

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
 Data File : VF060243.D
 Acq On : 10 Sep 2018 19:05
 Operator : VA/AP
 Sample : J4803-19MSD
 Misc : 5.39/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MSD

Manual Integrations
 APPROVED

apatel
 9/11/2018 11:08:04 AM

Quant Time: Sep 11 10:41:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	138609	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.77	114	203419	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	207998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	119864	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	119623	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	4.30	113	58473	29.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.68%	
50) Toluene-d8	7.72	98	255070	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	11.51	95	133274	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	132003	49.96	ug/l	96
3) Chloromethane	1.07	50	71498	51.32	ug/l	98
4) Vinyl Chloride	1.12	62	69699	64.91	ug/l	100
5) Bromomethane	1.32	94	59195	61.54	ug/l	99
6) Chloroethane	1.40	64	40668	59.13	ug/l	93
7) Trichlorofluoromethane	1.49	101	179051	59.79	ug/l	96
8) Diethyl Ether	1.70	74	22937	51.80	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.86	101	78106	53.34	ug/l	98
10) Methyl Iodide	1.93	142	68800	52.16	ug/l #	90
11) Tert butyl alcohol	2.67	59	16553	134.93	ug/l #	87
12) 1,1-Dichloroethene	1.83	96	58849	59.07	ug/l	88
13) Acrolein	2.09	56	12129	240.32	ug/l #	1
14) Allyl chloride	2.19	41	102595	68.66	ug/l	88
15) Acrylonitrile	3.07	53	47460	257.80	ug/l	97
16) Acetone	2.33	43	148963	256.38	ug/l	96
17) Carbon Disulfide	1.84	76	161061	55.47	ug/l	98
18) Methyl Acetate	2.45	43	28851	35.26	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	153967	46.71	ug/l	100
20) Methylene Chloride	2.29	84	67547	58.62	ug/l	91
21) trans-1,2-Dichloroethene	2.41	96	58701	57.58	ug/l	93
22) Diisopropyl ether	2.93	45	201530	53.82	ug/l	96
23) Vinyl Acetate	3.37	43	176	22.90	ug/l #	82
24) 1,1-Dichloroethane	3.00	63	146476	60.14	ug/l	100
25) 2-Butanone	4.51	43	149866	220.20	ug/l	95
26) 2,2-Dichloropropane	3.76	77	146632	43.64	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	79157	59.49	ug/l	97
28) Bromochloromethane	3.89	49	42345	51.05	ug/l	98
29) Tetrahydrofuran	4.25	42	43807	194.70	ug/l	92
30) Chloroform	4.04	83	197827	55.44	ug/l	98
31) Cyclohexane	3.86	56	93696	56.23	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	187691	52.80	ug/l	94
36) 1,1-Dichloropropene	4.46	75	129650	54.15	ug/l	97
37) Ethyl Acetate	4.29	43	29953	23.24	ug/l #	1
38) Carbon Tetrachloride	4.18	117	160535	48.77	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	102737	51.22	ug/l	99
40) Benzene	4.82	78	238606	55.94	ug/l	99
41) Methacrylonitrile	4.92	41	25964	41.69	ug/l	91
42) 1,2-Dichloroethane	5.12	62	142078	46.09	ug/l	99
43) Isopropyl Acetate	7.12	43	33774	24.25	ug/l #	98
44) Trichloroethene	5.68	130	147095	85.14	ug/l	99
45) 1,2-Dichloropropane	6.41	63	64209	52.96	ug/l	97
46) Dibromomethane	6.26	93	52219	48.91	ug/l	92
47) Bromodichloromethane	6.55	83	143249	49.44	ug/l	97
48) Methyl methacrylate	6.88	41	32111	29.03	ug/l	93
49) 1,4-Dioxane	6.88	88	5611	345.19	ug/l #	86
51) 4-Methyl-2-Pentanone	8.41	43	283310	228.97	ug/l	98
52) Toluene	7.79	92	169167	51.21	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	113476	46.61	ug/l	95
54) cis-1,3-Dichloropropene	7.46	75	130382	51.59	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	55099	45.35	ug/l	97
56) Ethyl methacrylate	8.76	69	51805	37.30	ug/l	94
57) 1,3-Dichloropropane	9.01	76	103551	47.93	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.79	63	36306	243.05	ug/l	100
59) 2-Hexanone	9.63	43	241502	261.02	ug/l	98
60) Dibromochloromethane	8.87	129	99439	49.41	ug/l	96
61) 1,2-Dibromoethane	9.15	107	65114	44.68	ug/l	95
64) Tetrachloroethene	8.32	164	143770	69.05	ug/l	92
65) Chlorobenzene	9.94	112	222563	51.70	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	89269	46.78	ug/l	96
67) Ethyl Benzene	10.04	91	412499	51.36	ug/l	99
68) m/p-Xylenes	10.28	106	287531	106.69	ug/l	99
69) o-Xylene	10.83	106	150189	52.25	ug/l	94
70) Styrene	10.91	104	228838	52.52	ug/l	98
71) Bromoform	10.89	173	56897	51.65	ug/l #	99
73) Isopropylbenzene	11.24	105	489984	59.26	ug/l	100
74) N-amyl acetate	11.47	43	51637	33.15	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	2378	1.91	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	59061	44.83	ug/l	93
77) Bromobenzene	11.60	156	113502	52.42	ug/l	94
78) n-propylbenzene	11.69	91	538541	54.36	ug/l	98
79) 2-Chlorotoluene	11.82	91	323347	54.02	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	401652	55.03	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	17506m	56.54	ug/l	
82) 4-Chlorotoluene	11.99	91	352901	53.13	ug/l	95
83) tert-Butylbenzene	12.22	119	356981	53.67	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	411329	55.47	ug/l	98
85) sec-Butylbenzene	12.39	105	477844	52.08	ug/l	99
86) p-Isopropyltoluene	12.55	119	433032	53.15	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	200264	50.62	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	202276	51.66	ug/l	96
89) n-Butylbenzene	12.92	91	376844	47.83	ug/l	98
90) Hexachloroethane	13.00	117	97106	58.80	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	194614	51.81	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	15836	49.91	ug/l	88

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QLast Update : Fri Sep 07 10:44:05 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	118675	40.88	ug/l	97
94) Hexachlorobutadiene	14.26	225	77610	37.51	ug/l	97
95) Naphthalene	14.53	128	160888	36.25	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	111459	40.90	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

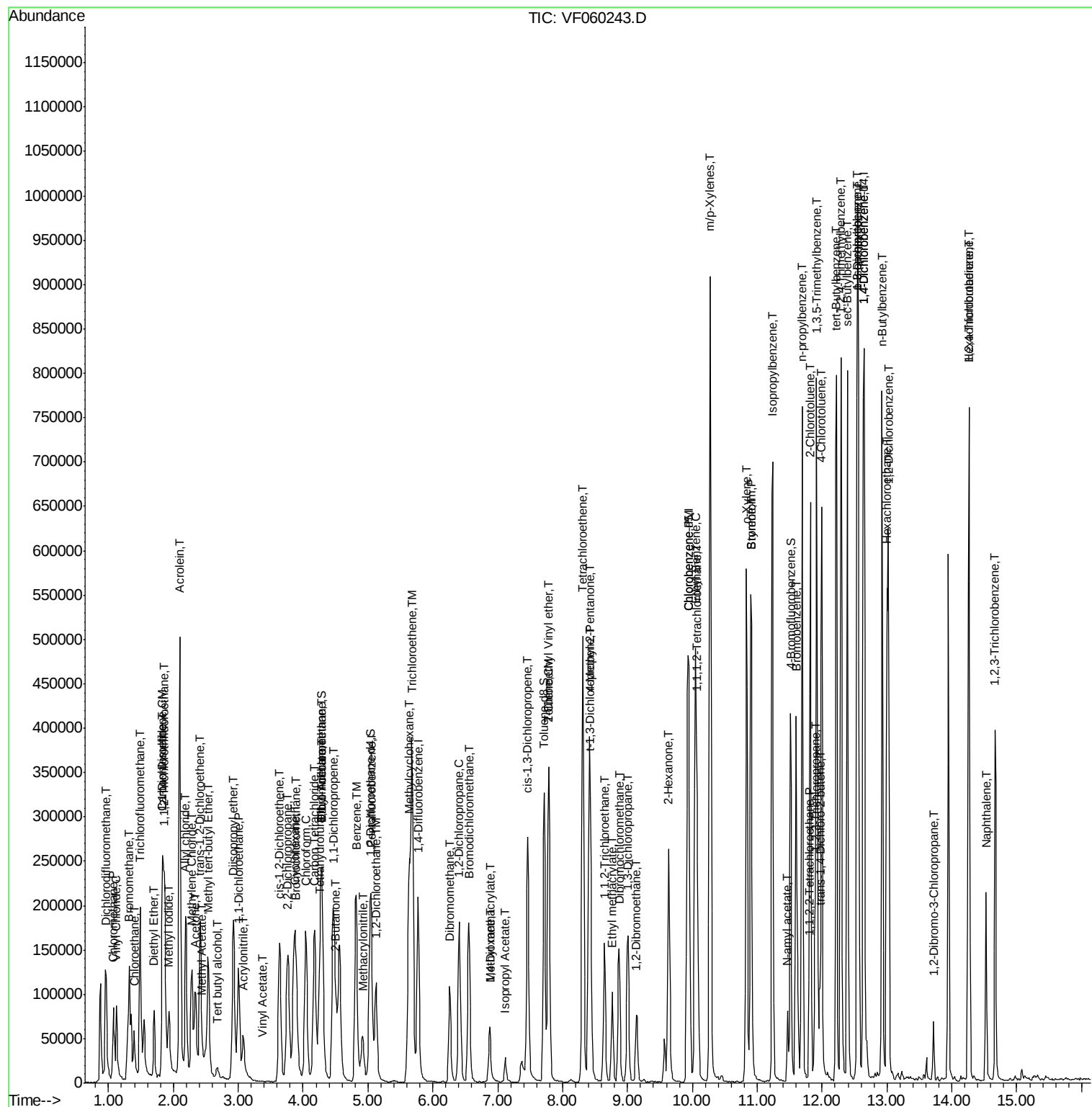
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF091018\
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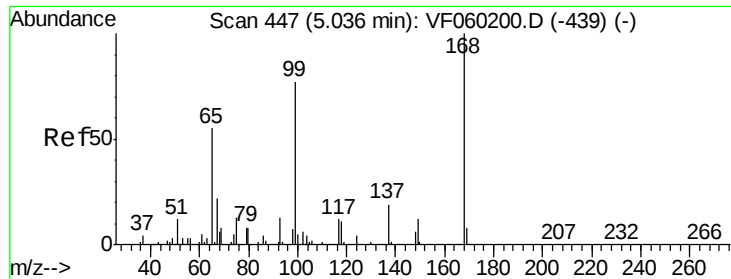
Instrument :
 MSVOA_F
 ClientSampleId :
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#1

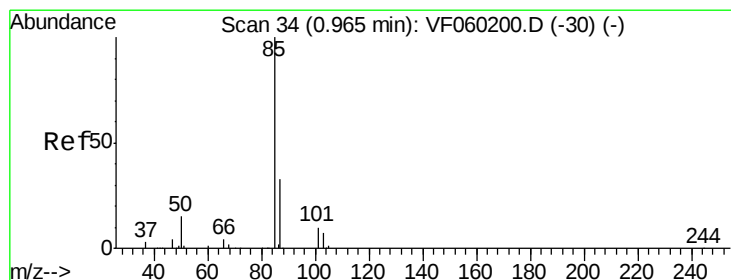
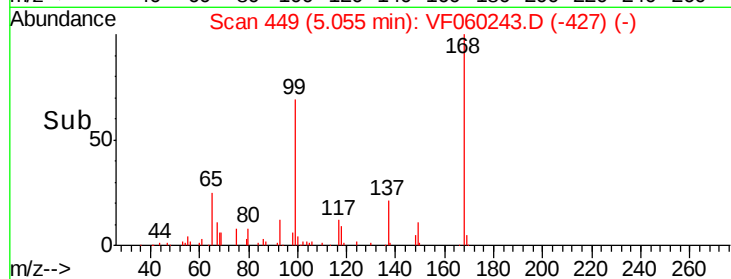
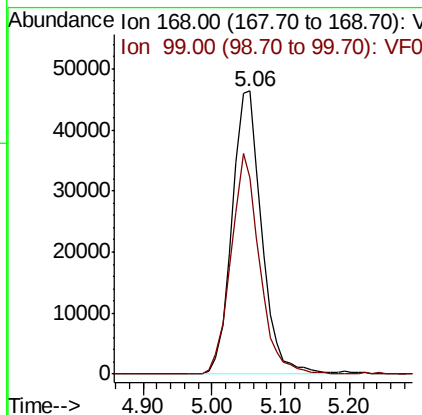
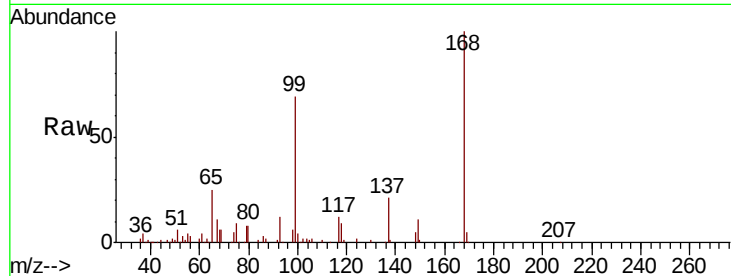
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.06 min Scan# 449
 Delta R.T. 0.02 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MSD

Tot Ion	Ratio	Lower	Upper
168	100		
99	69.2	61.8	92.6

Manual Integrations
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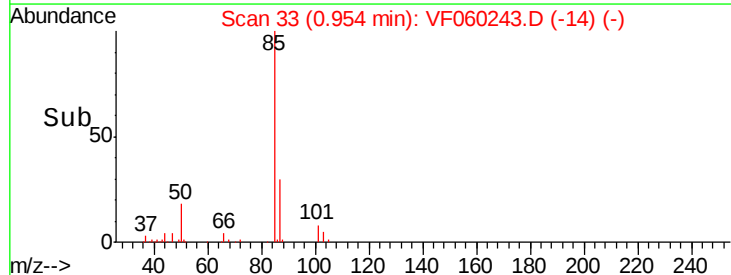
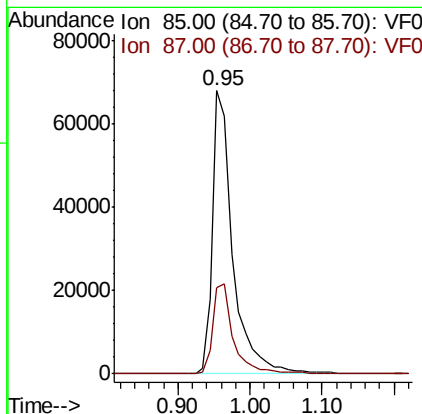
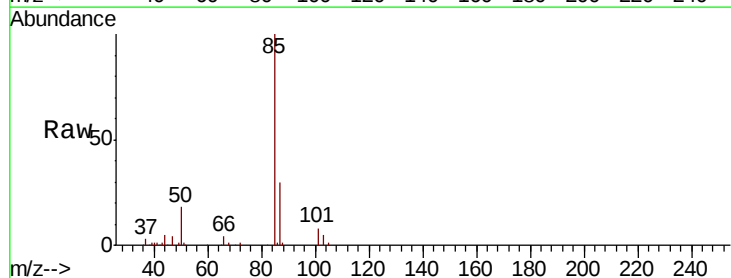
apatel
 9/11/2018 11:08:04 AM

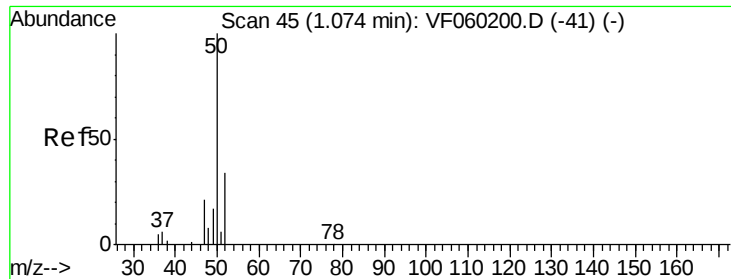


#2

Dichlorodifluoromethane
 Concen: 49.96 ug/l
 RT: 0.95 min Scan# 33
 Delta R.T. -0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.3	16.3	48.9





#3

Chloromethane

Concen: 51.32 ug/l

RT: 1.07 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

Tot Ion: 50 Resp: 71498

Ion Ratio Lower Upper

50 100

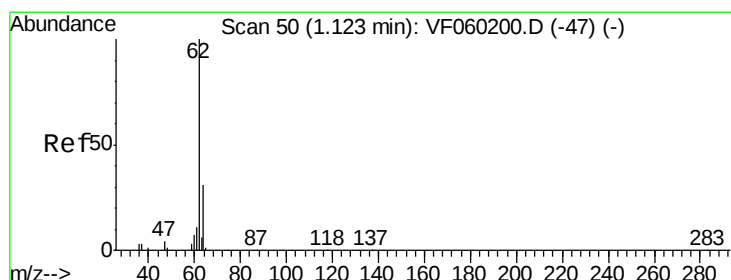
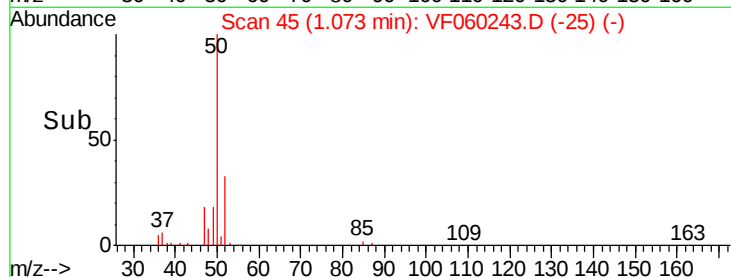
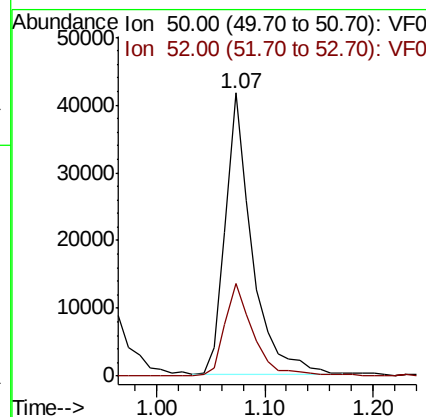
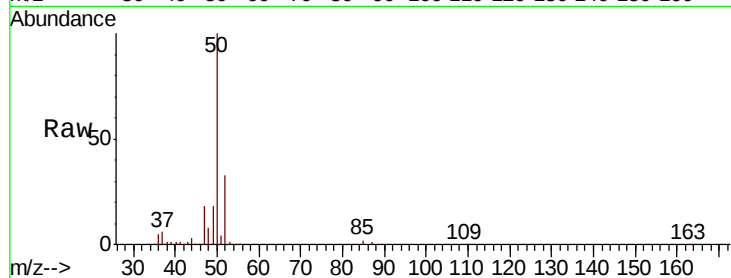
52 32.6 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 64.91 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060243.D

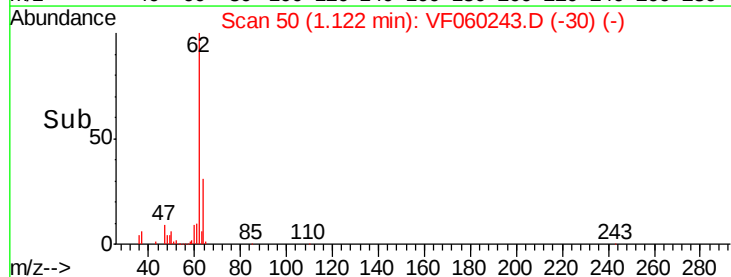
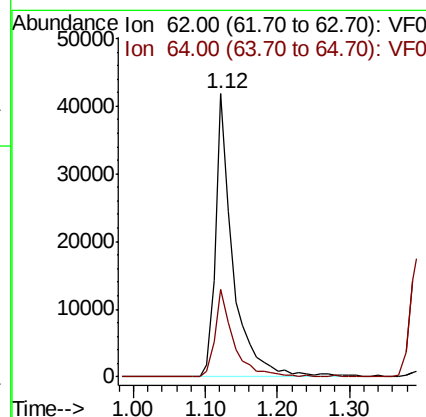
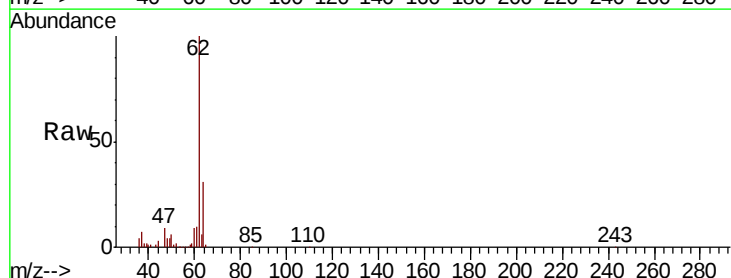
Acq: 10 Sep 2018 19:05

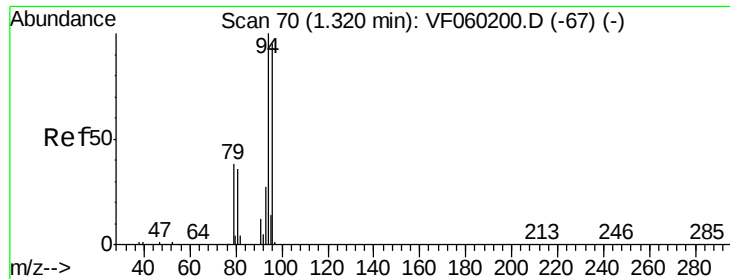
Tgt Ion: 62 Resp: 69699

Ion Ratio Lower Upper

62 100

64 31.0 24.8 37.2





#5

Bromomethane

Concen: 61.54 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

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ClientSampleId :

J4803-17MSD

Tot Ion: 94 Resp: 59195

Ion Ratio Lower Upper

94 100

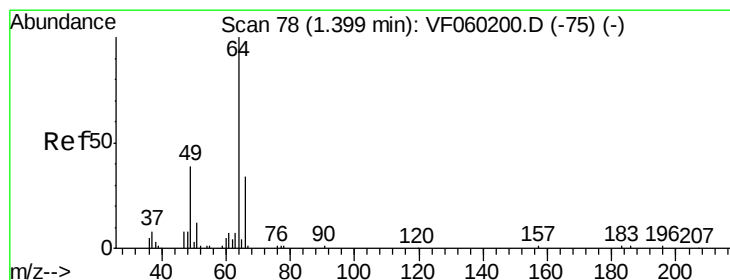
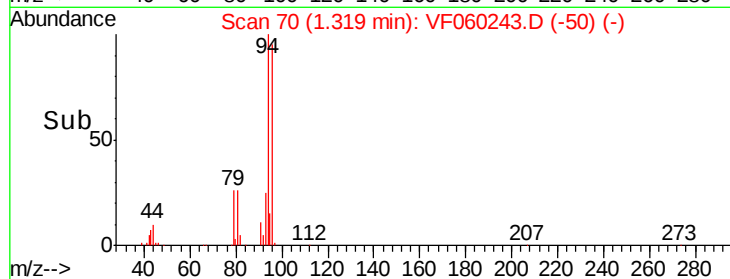
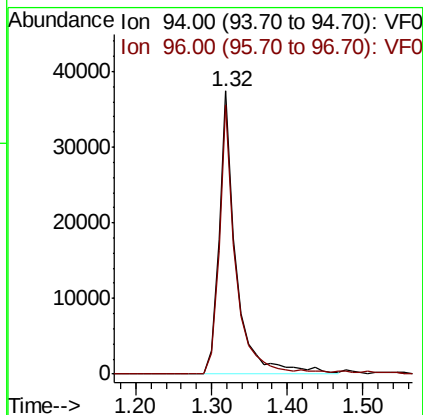
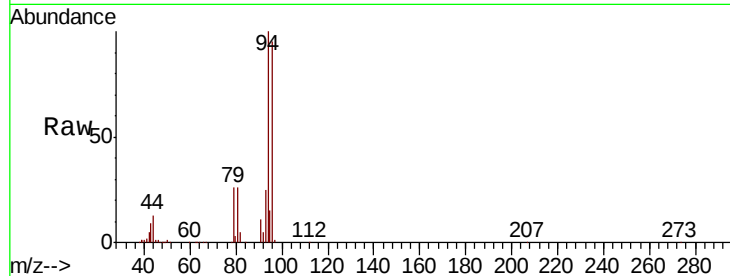
96 95.3 75.8 113.6

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#6

Chloroethane

Concen: 59.13 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.00 min

Lab File: VF060243.D

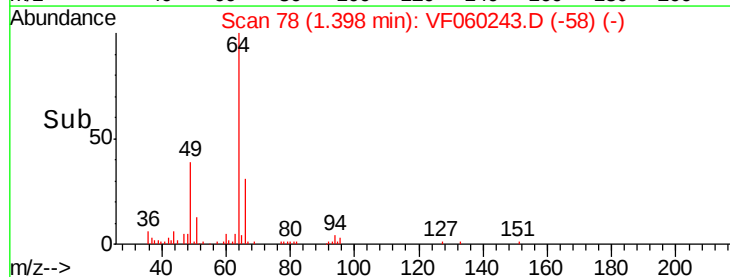
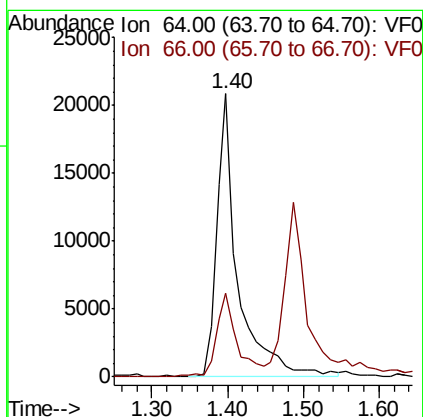
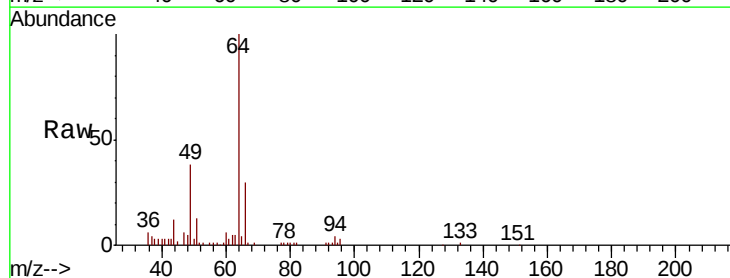
Acq: 10 Sep 2018 19:05

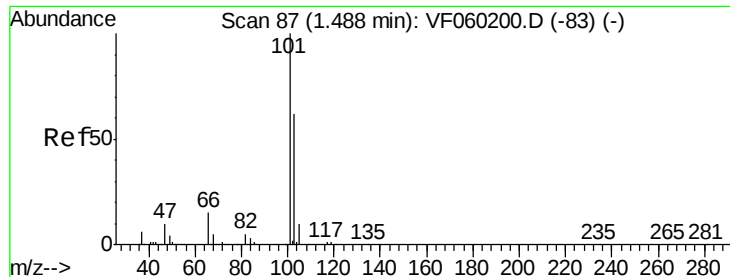
Tgt Ion: 64 Resp: 40668

Ion Ratio Lower Upper

64 100

66 29.8 27.1 40.7





#7

Trichlorofluoromethane

Concen: 59.79 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

Tot Ion:101 Resp: 179051

Ion Ratio Lower Upper

101 100

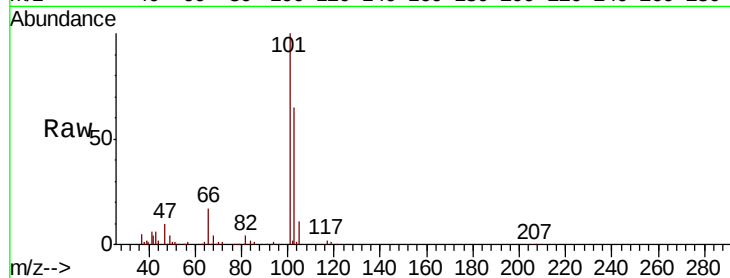
103 65.3 49.5 74.3

Manual Integrations

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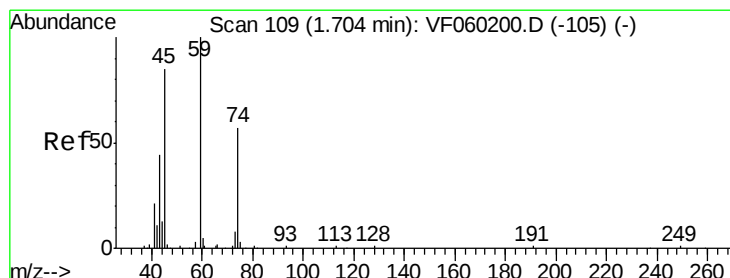
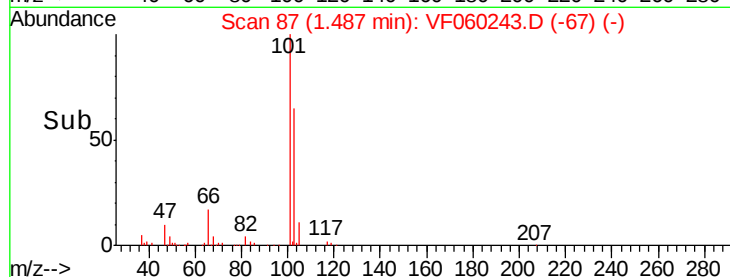
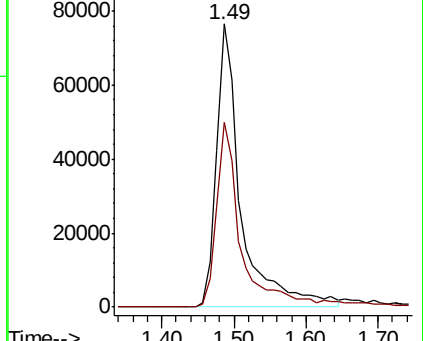
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9/11/2018 11:08:04 AM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 51.80 ug/l

RT: 1.70 min Scan# 109

Delta R.T. -0.00 min

Lab File: VF060243.D

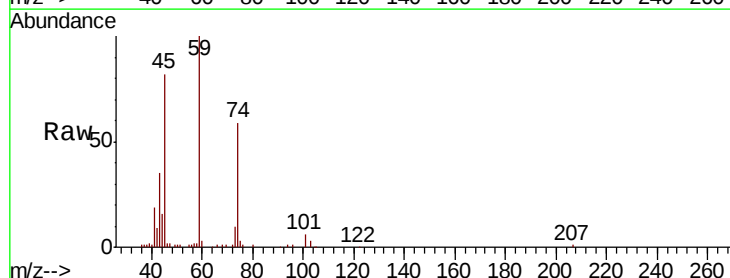
Acq: 10 Sep 2018 19:05

Tgt Ion: 74 Resp: 22937

Ion Ratio Lower Upper

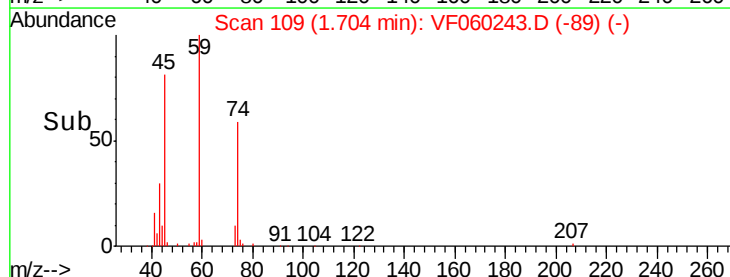
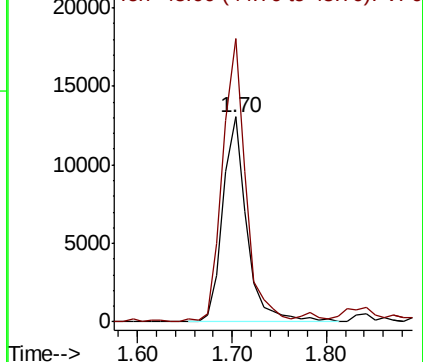
74 100

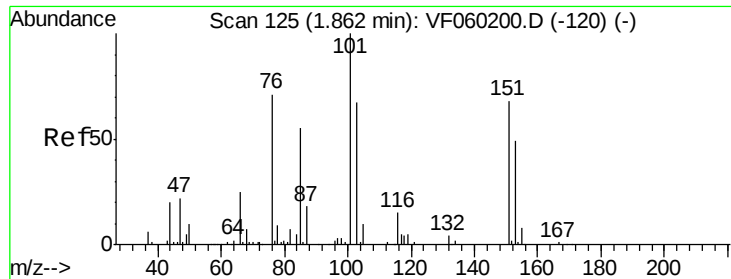
45 138.2 75.3 225.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.34 ug/l

RT: 1.86 min Scan# 125

Delta R.T. -0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

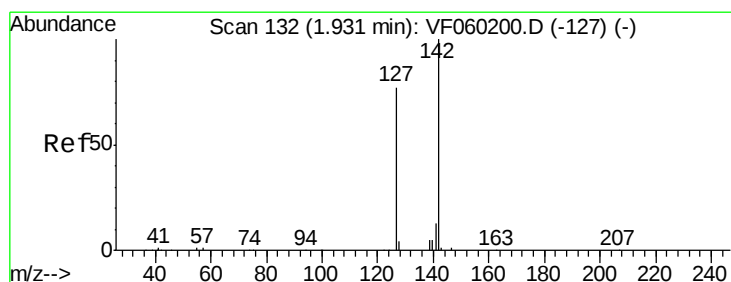
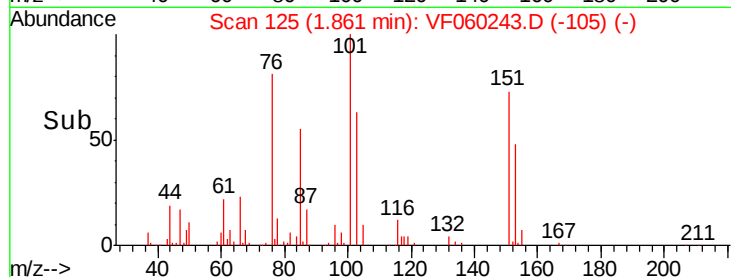
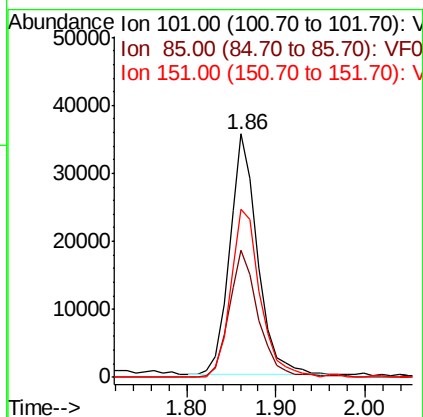
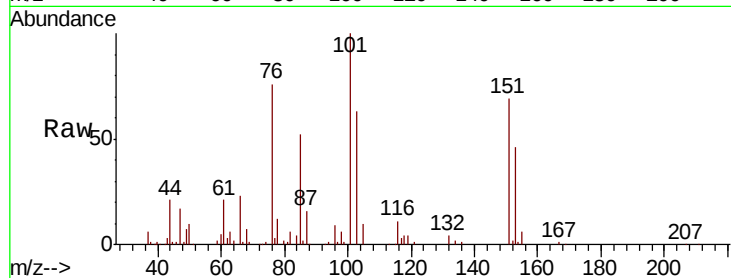
ClientSampleId :

J4803-17MSD

Tot Ion:	101	Resp:	78106
Ion Ratio	Lower	Upper	
101	100		
85	52.1	43.0	64.4
151	69.1	53.6	80.4

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#10

Methyl Iodide

Concen: 52.16 ug/l

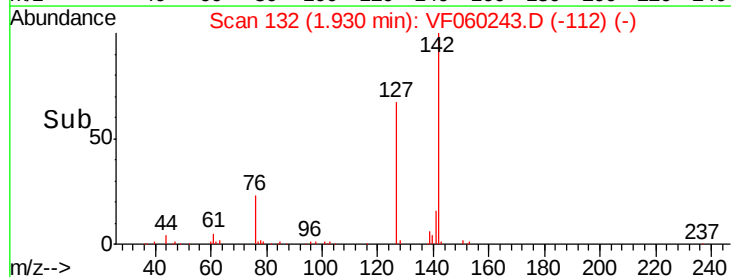
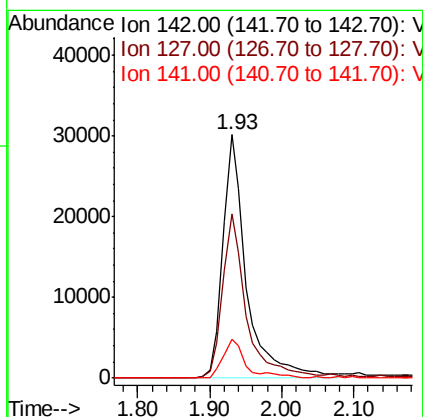
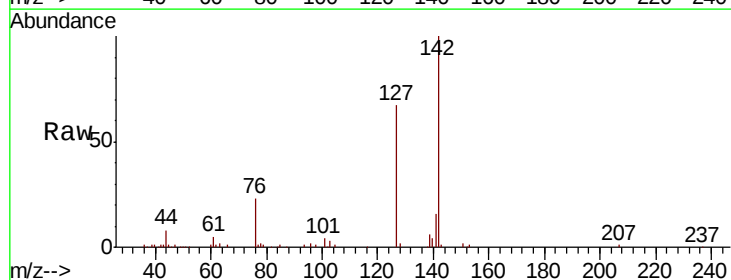
RT: 1.93 min Scan# 132

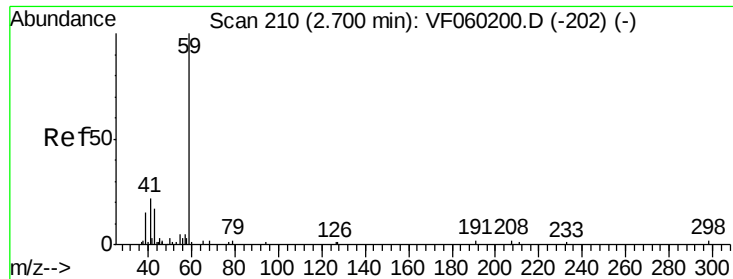
Delta R.T. -0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Tgt Ion:	142	Resp:	68800
Ion Ratio	Lower	Upper	
142	100		
127	67.3	61.1	91.7
141	16.2	10.6	15.8#





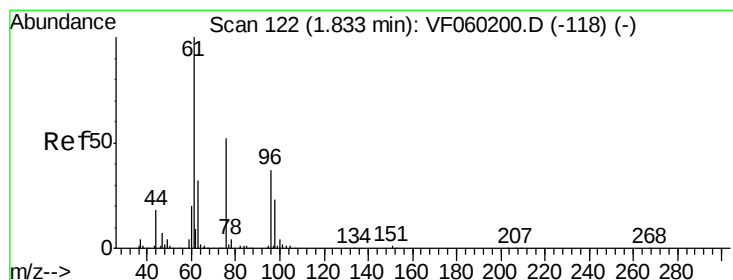
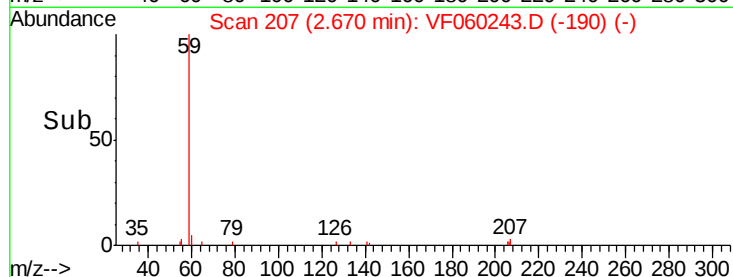
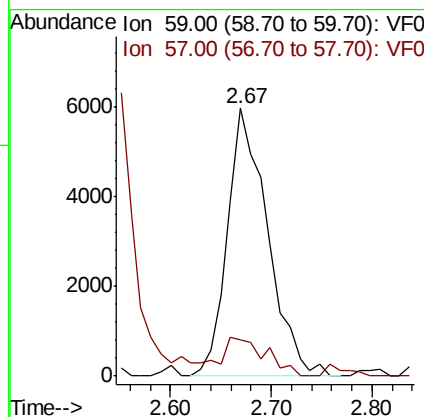
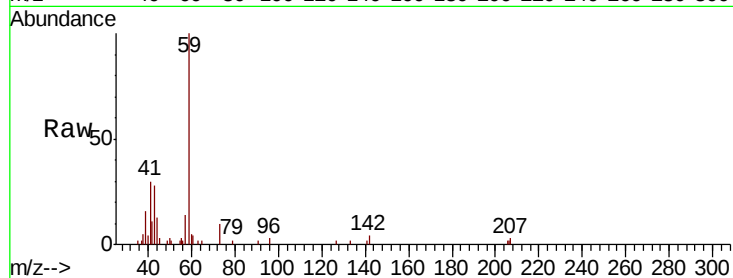
#11
Tert butyl alcohol
Concen: 134.93 ug/l
RT: 2.67 min Scan# 207
Delta R.T. -0.03 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.7	7.2	10.8#

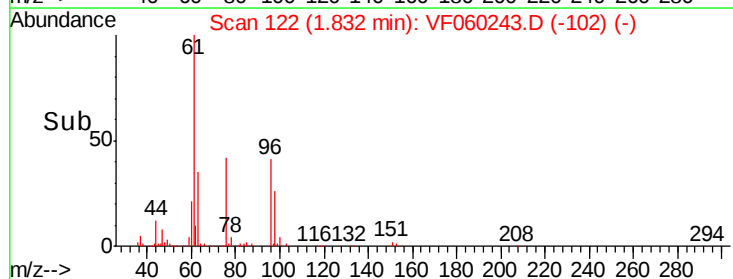
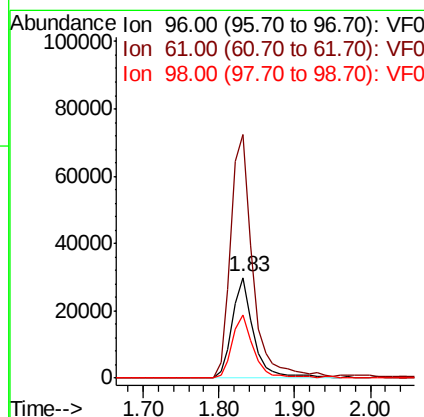
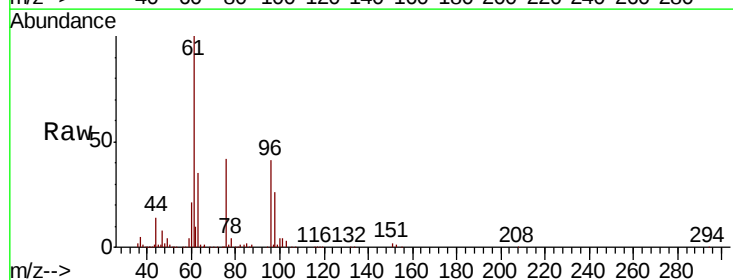
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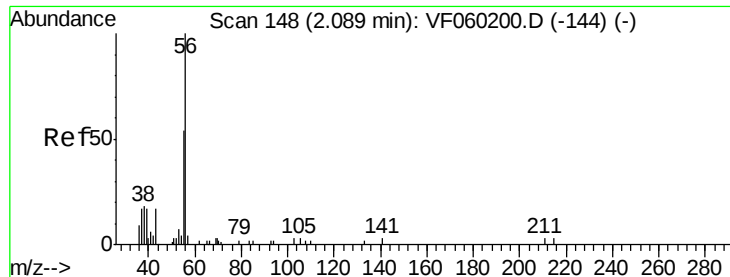
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#12
1,1-Dichloroethene
Concen: 59.07 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	242.0	214.6	321.8
98	62.7	50.7	76.1





#13

Acrolein

Concen: 240.32 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

Tot Ion: 56 Resp: 12129

Ion Ratio Lower Upper

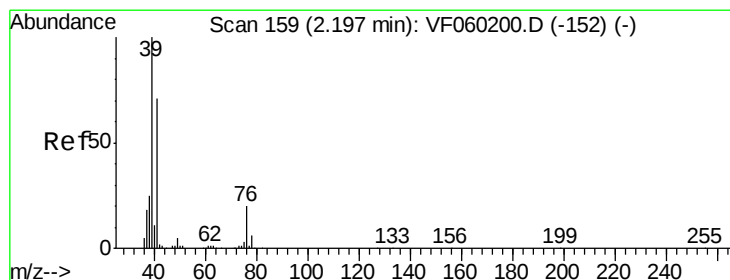
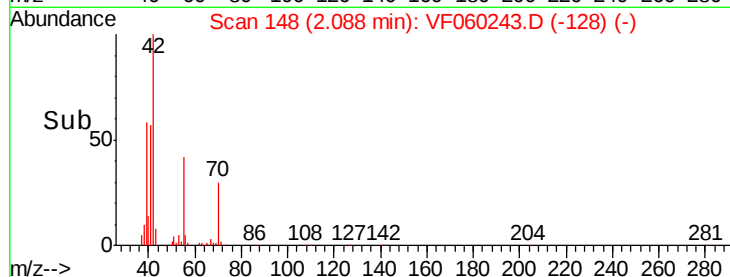
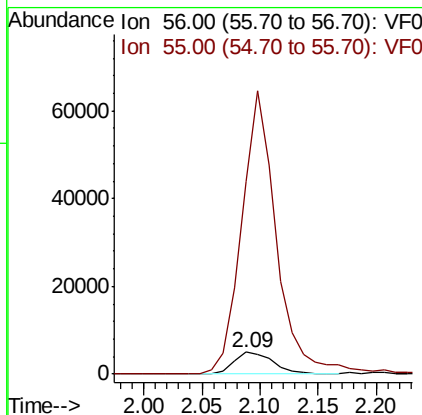
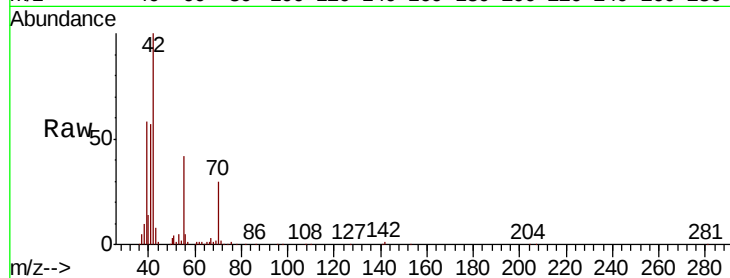
56 100

55 887.5 45.1 67.7#

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#14

Allyl chloride

Concen: 68.66 ug/l

RT: 2.19 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

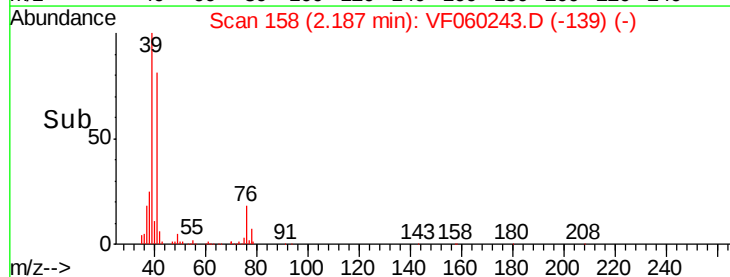
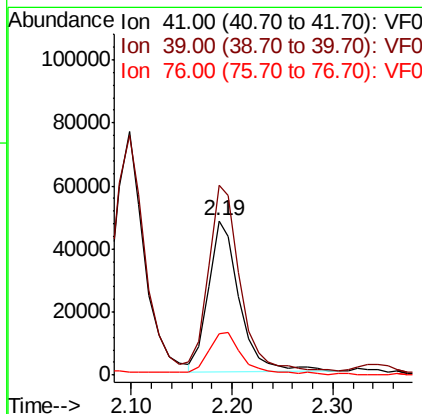
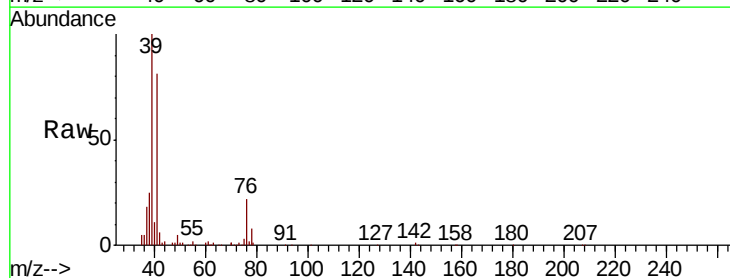
Tgt Ion: 41 Resp: 102595

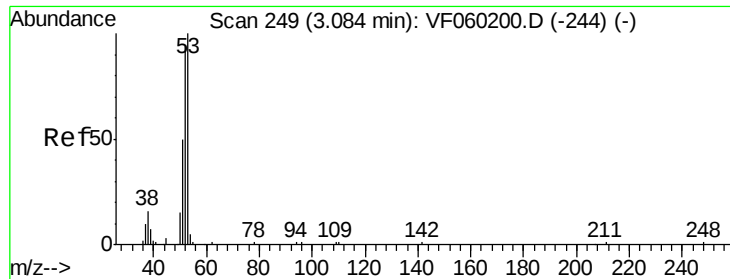
Ion Ratio Lower Upper

41 100

39 123.5 112.2 168.2

76 27.1 23.2 34.8





#15

Acrylonitrile

Concen: 257.80 ug/l

RT: 3.07 min Scan# 248

Delta R.T. -0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

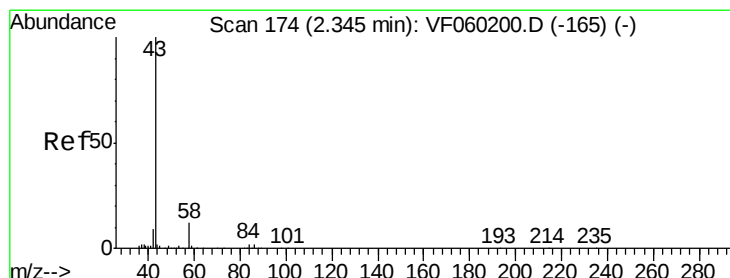
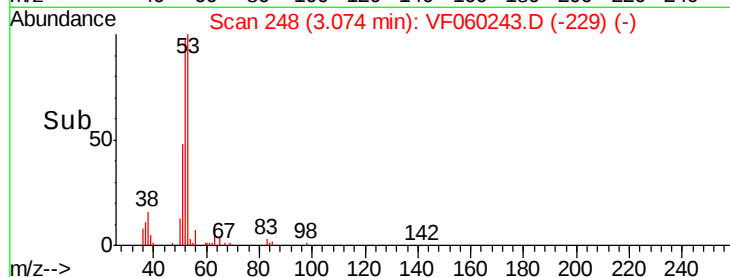
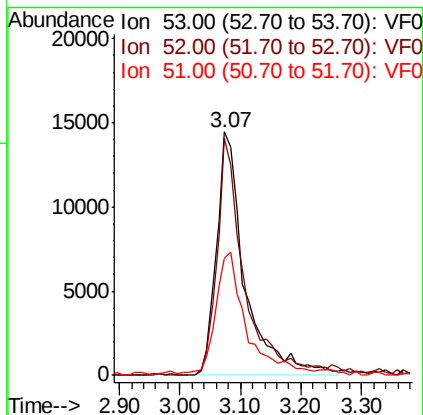
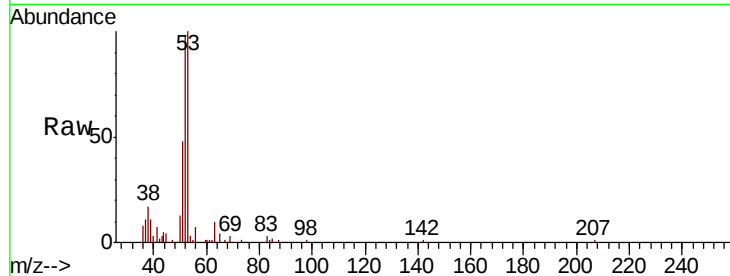
ClientSampleId :

J4803-17MSD

Tot Ion:	53	Resp:	47460
Ion	Ratio	Lower	Upper
53	100		
52	97.5	75.0	112.6
51	48.0	39.9	59.9

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#16

Acetone

Concen: 256.38 ug/l

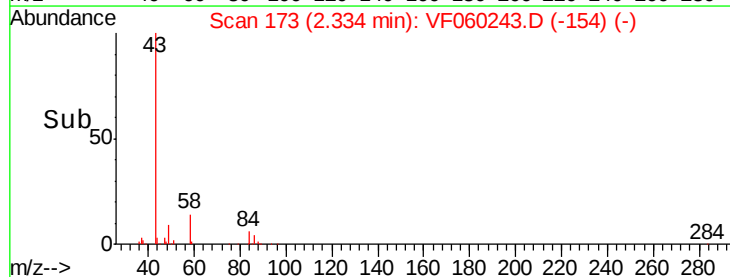
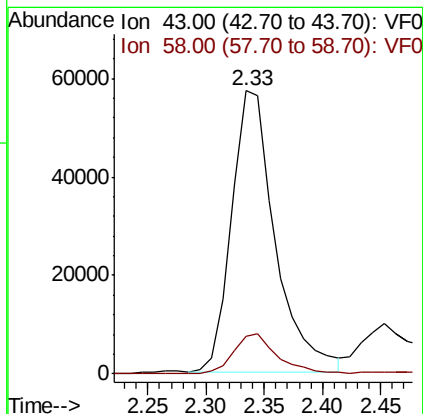
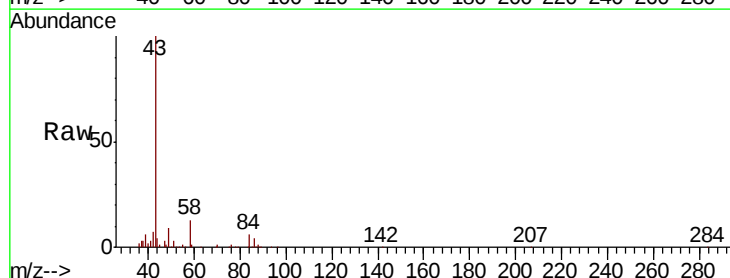
RT: 2.33 min Scan# 173

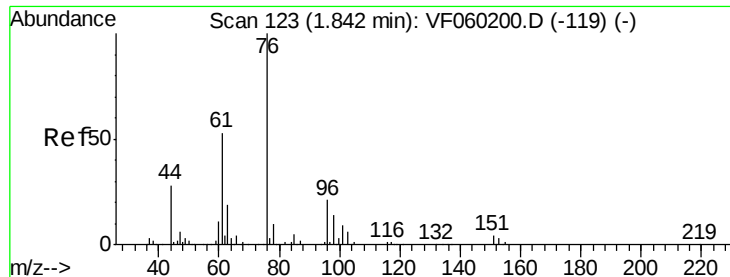
Delta R.T. -0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Tgt Ion:	43	Resp:	148963
Ion	Ratio	Lower	Upper
43	100		
58	13.5	9.7	14.5





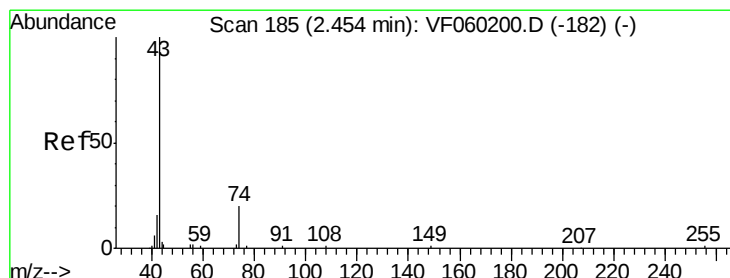
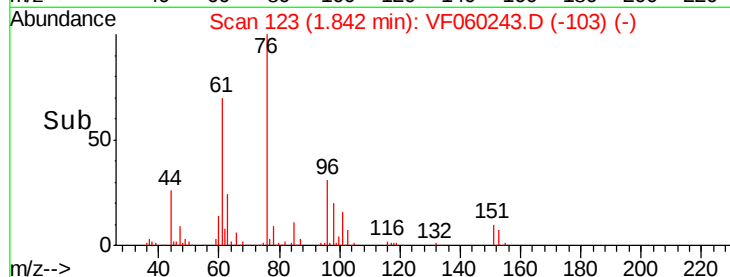
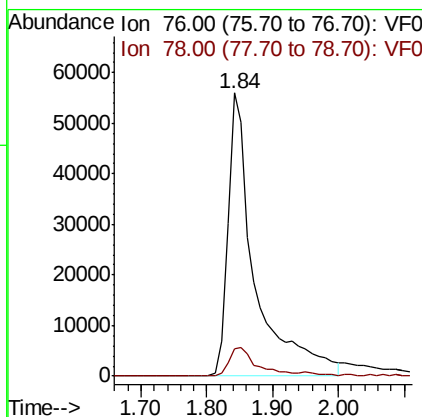
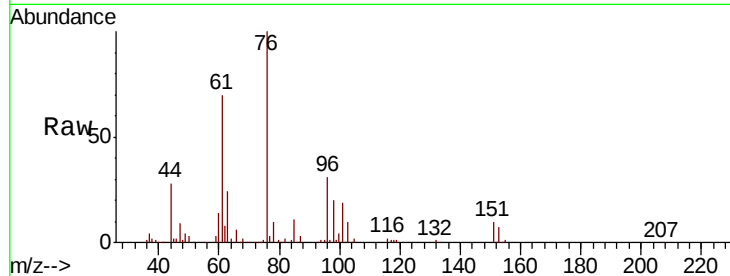
#17
Carbon Disulfide
Concen: 55.47 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.00 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	8.5	12.7

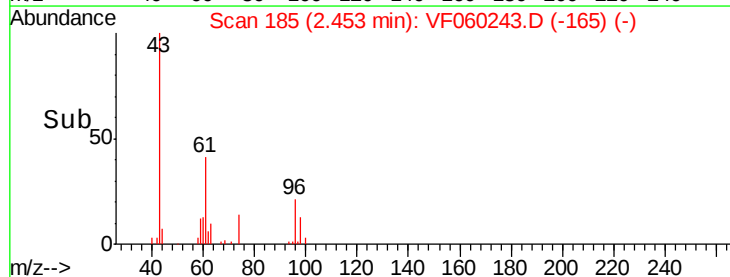
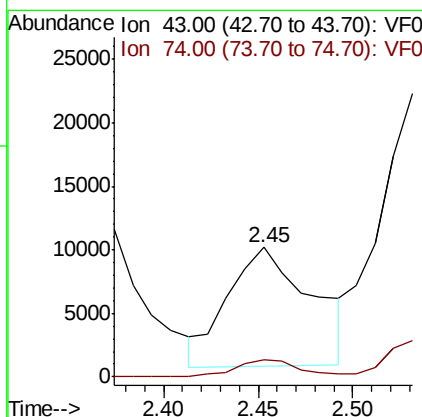
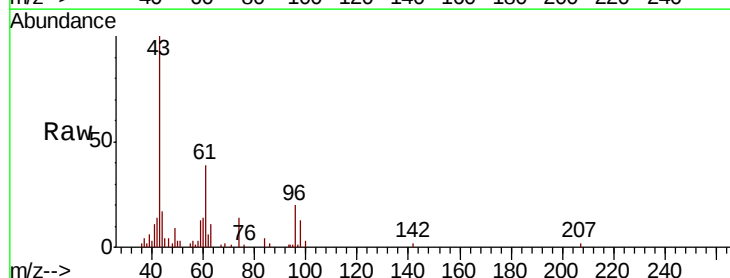
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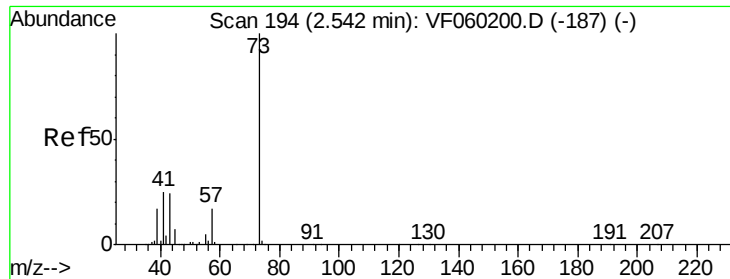
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#18
Methyl Acetate
Concen: 35.26 ug/l
RT: 2.45 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	13.5	11.9	17.9





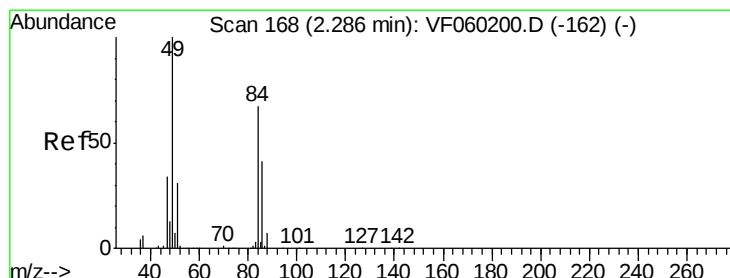
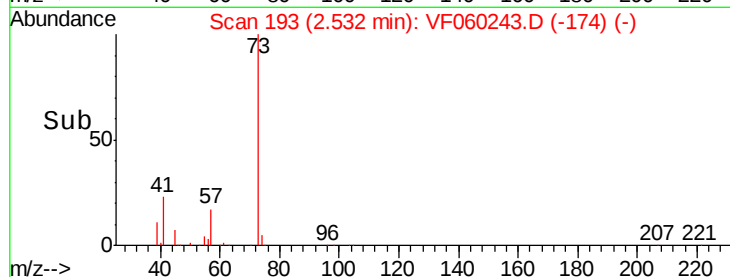
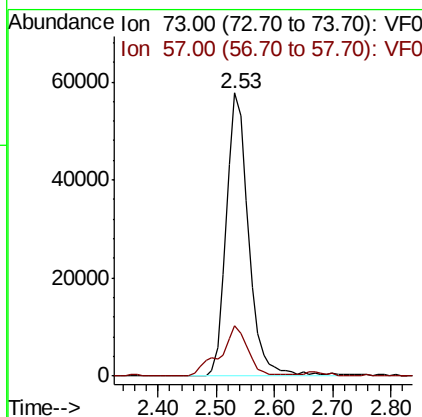
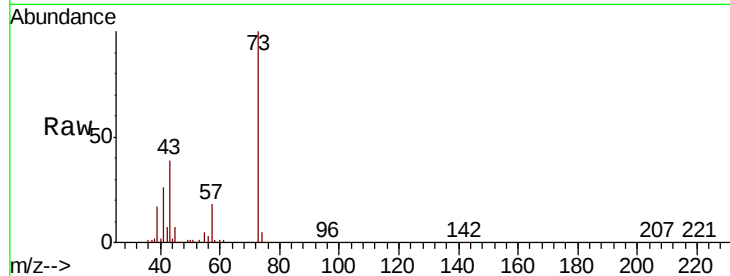
#19
Methvl tert-butvl Ether
Concen: 46.71 ug/l
RT: 2.53 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.7	14.3	21.5

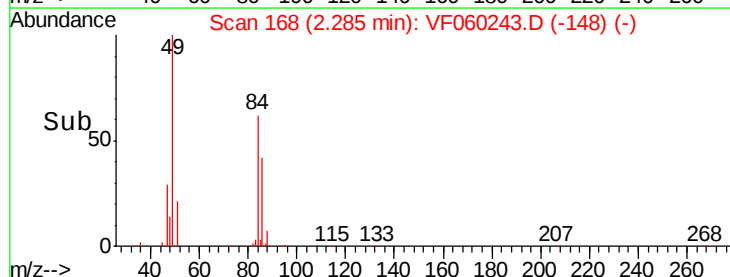
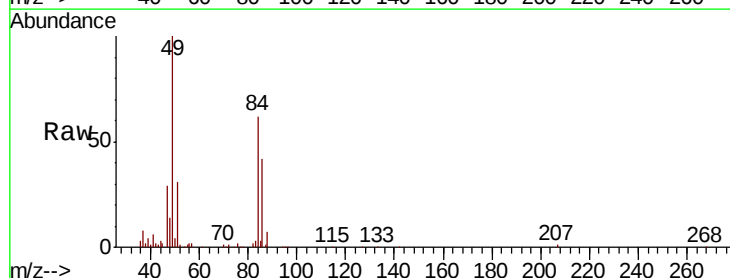
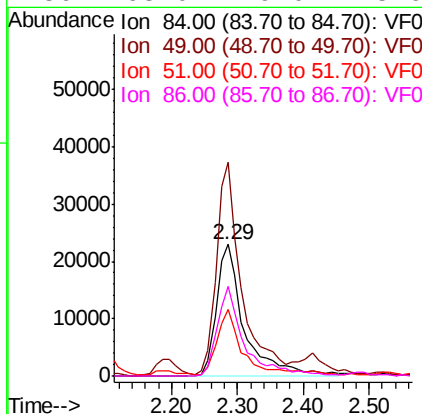
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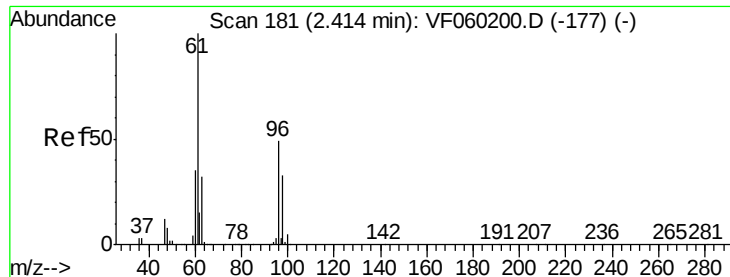
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#20
Methylene Chloride
Concen: 58.62 ug/l
RT: 2.29 min Scan# 168
Delta R.T. -0.00 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	162.3	120.1	180.1
51	50.8	37.0	55.6
86	68.0	49.0	73.6





#21

trans-1,2-Dichloroethene

Concen: 57.58 ug/l

RT: 2.41 min Scan# 181

Delta R.T. -0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

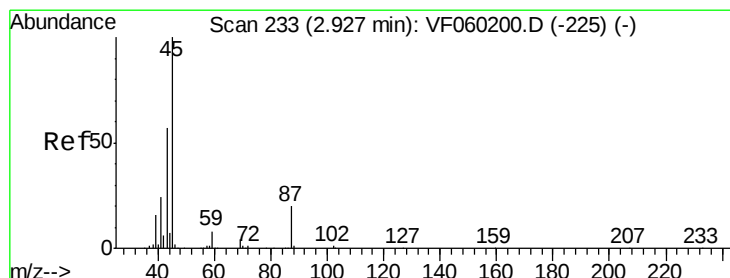
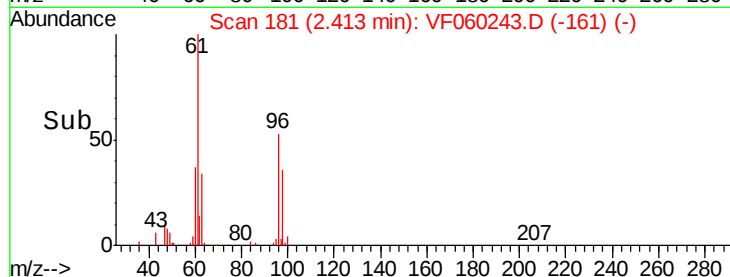
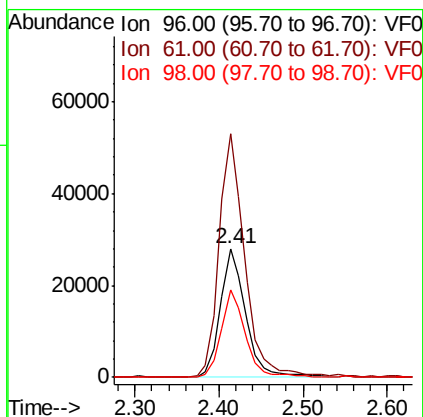
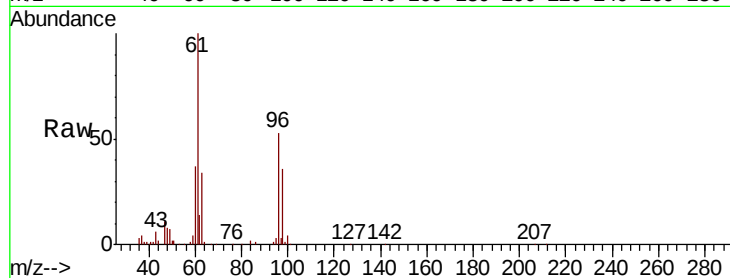
ClientSampleId :

J4803-17MSD

Tot Ion:	96	Resp:	58701
Ion	Ratio	Lower	Upper
96	100		
61	189.0	163.1	244.7
98	67.4	54.1	81.1

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#22

Diisopropyl ether

Concen: 53.82 ug/l

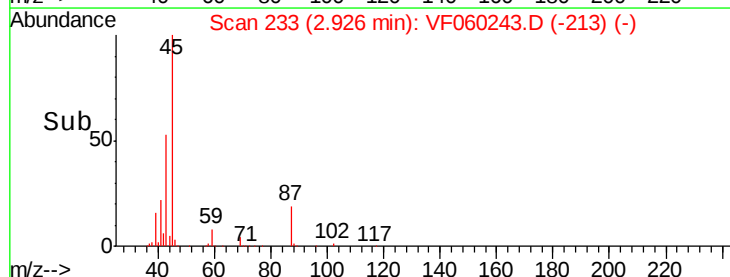
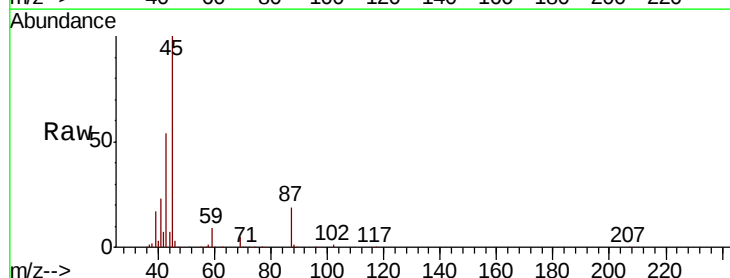
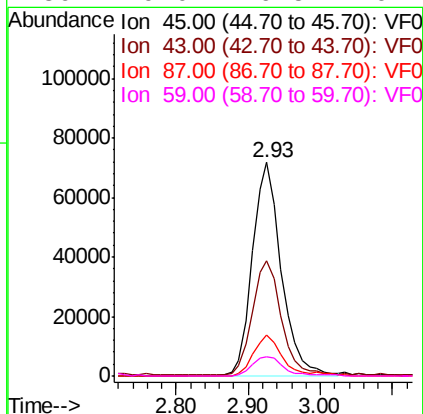
RT: 2.93 min Scan# 233

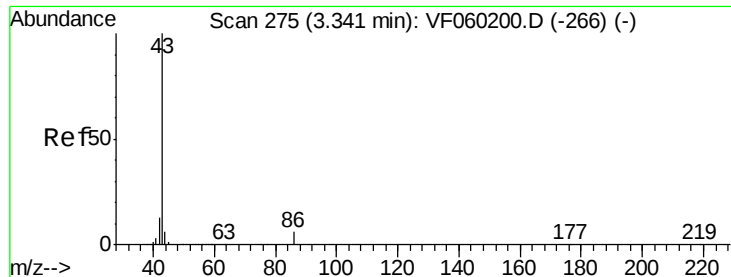
Delta R.T. -0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Tgt Ion:	45	Resp:	201530
Ion	Ratio	Lower	Upper
45	100		
43	53.8	46.2	69.4
87	19.3	16.1	24.1
59	9.0	6.5	9.7





#23

Vinyl Acetate

Concen: 22.90 ug/l

RT: 3.37 min Scan# 278

Delta R.T. 0.03 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

Tot Ion: 43 Resp: 176

Ion Ratio Lower Upper

43 100

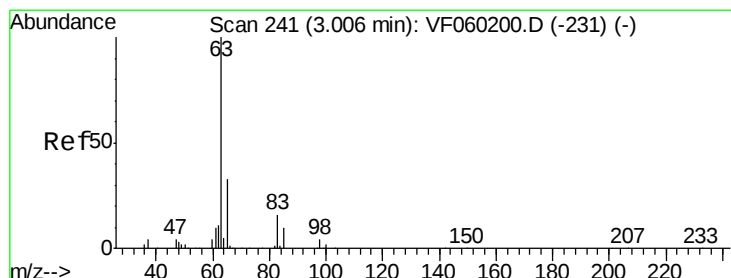
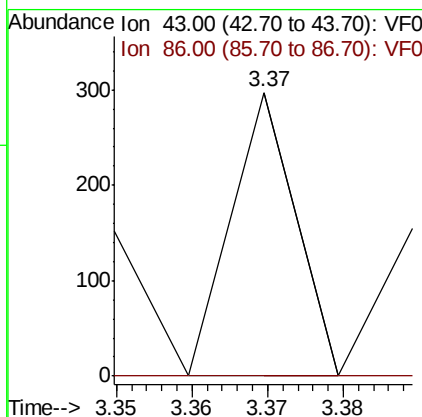
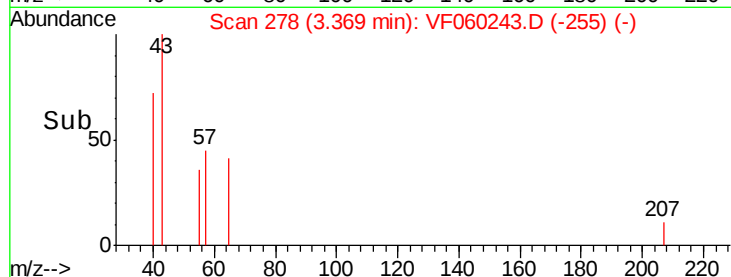
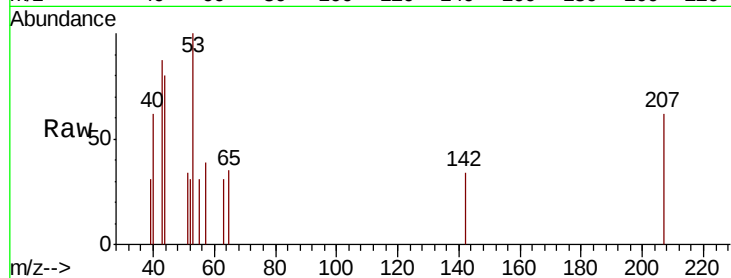
86 0.0 4.8 7.2#

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#24

1,1-Dichloroethane

Concen: 60.14 ug/l

RT: 3.00 min Scan# 241

Delta R.T. -0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

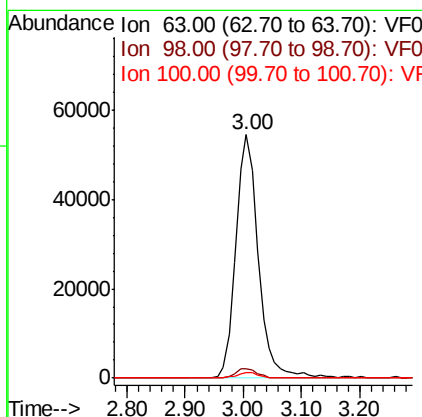
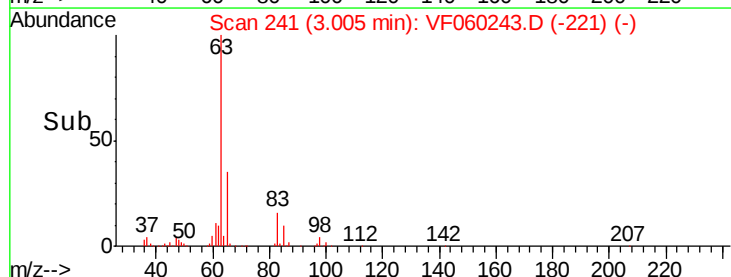
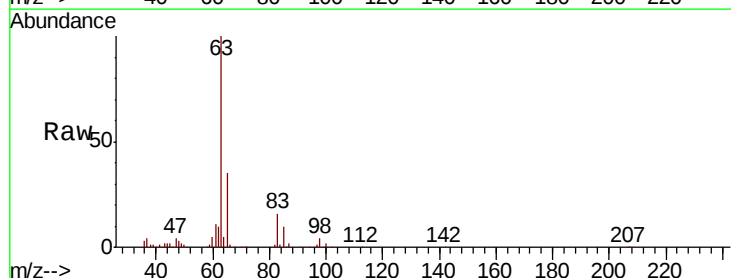
Tgt Ion: 63 Resp: 146476

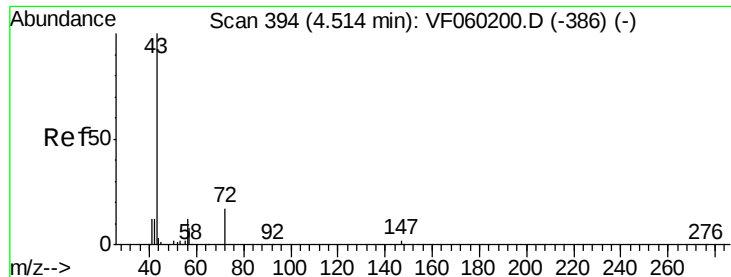
Ion Ratio Lower Upper

63 100

98 3.8 1.9 5.7

100 2.3 1.1 3.1





#25

2-Butanone

Concen: 220.20 ug/l

RT: 4.51 min Scan# 394

Delta R.T. -0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

Tot Ion: 43 Resp: 149866

Ion Ratio Lower Upper

43 100

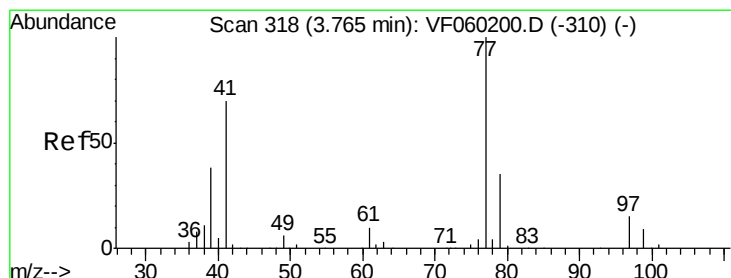
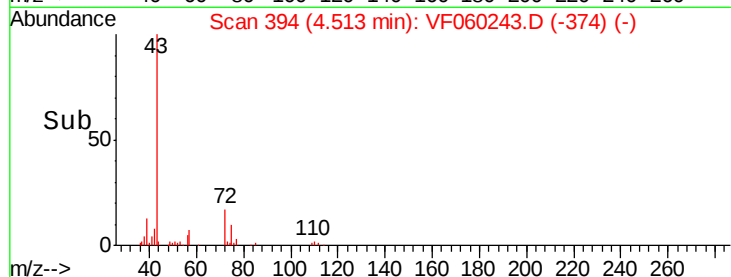
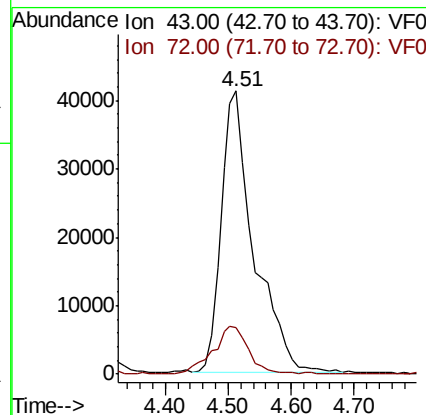
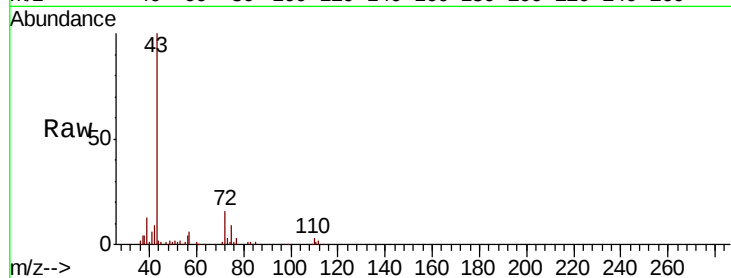
72 16.4 14.8 22.2

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#26

2,2-Dichloropropane

Concen: 43.64 ug/l

RT: 3.76 min Scan# 318

Delta R.T. -0.00 min

Lab File: VF060243.D

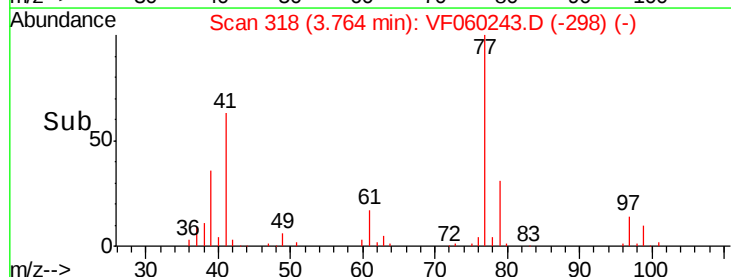
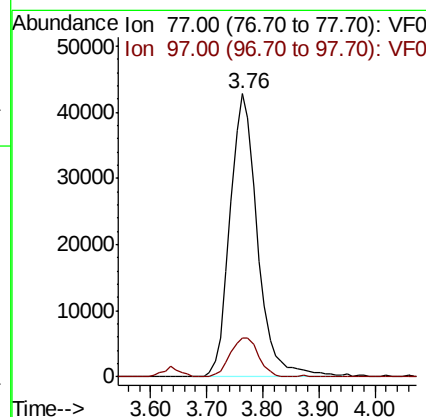
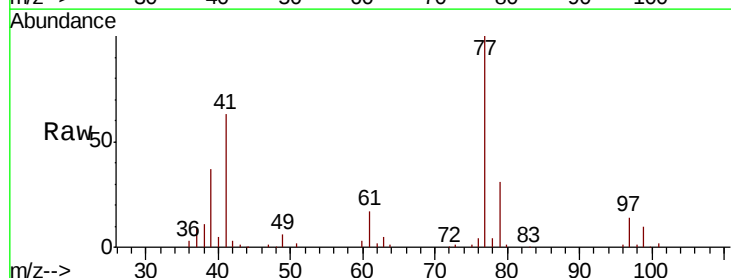
Acq: 10 Sep 2018 19:05

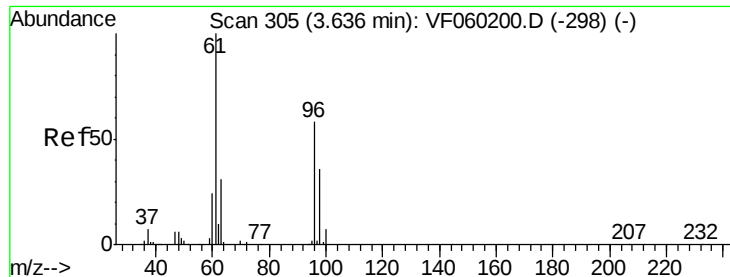
Tgt Ion: 77 Resp: 146632

Ion Ratio Lower Upper

77 100

97 13.8 7.5 22.5





#27

cis-1,2-Dichloroethene

Concen: 59.49 ug/l

RT: 3.64 min Scan# 305

Delta R.T. -0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

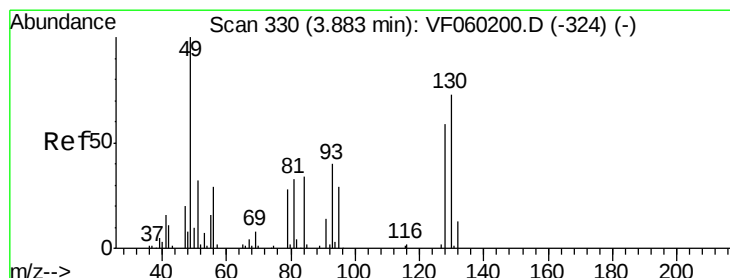
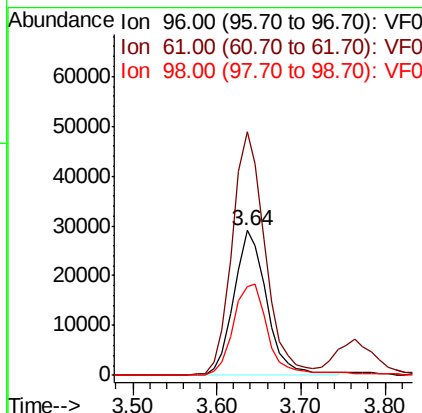
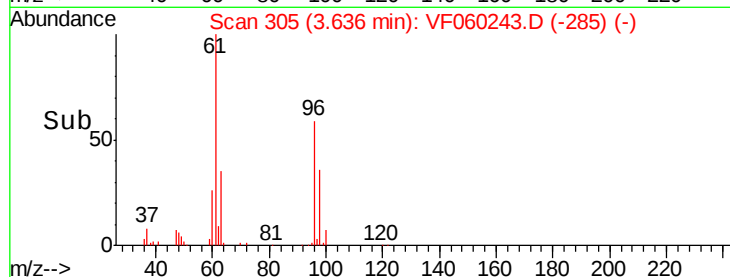
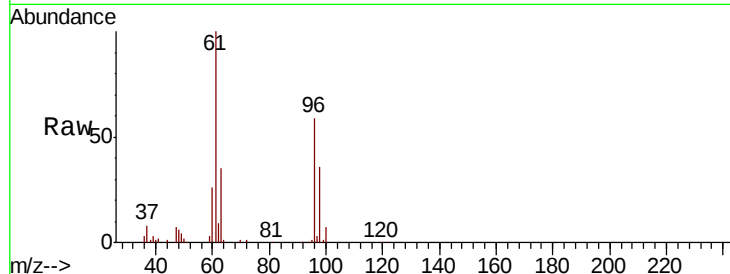
ClientSampleId :

J4803-17MSD

Tot Ion:	96	Resp:	79157
Ion	Ratio	Lower	Upper
96	100		
61	168.3	0.0	345.2
98	60.9	0.0	124.6

Manual Integrations
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#28

Bromochloromethane

Concen: 51.05 ug/l

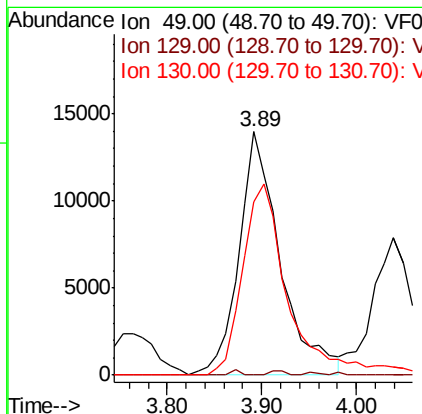
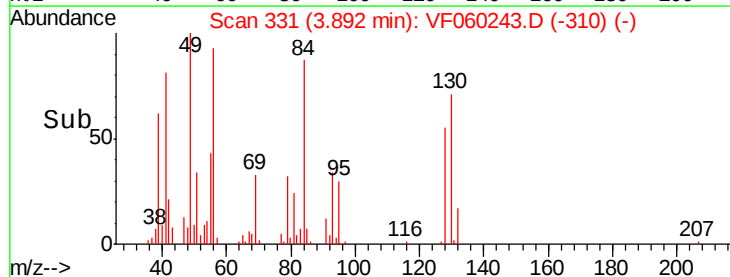
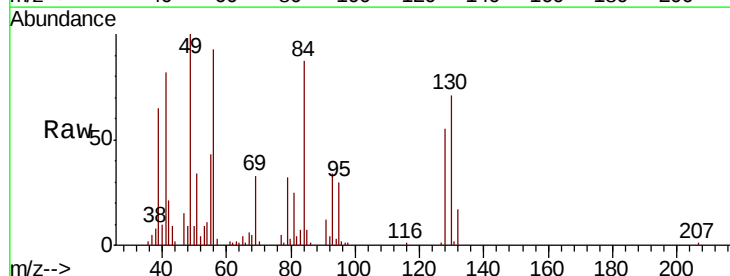
RT: 3.89 min Scan# 331

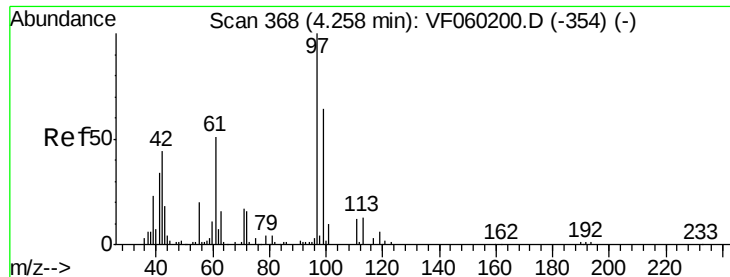
Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Tgt Ion:	49	Resp:	42345
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	70.9	57.8	86.6





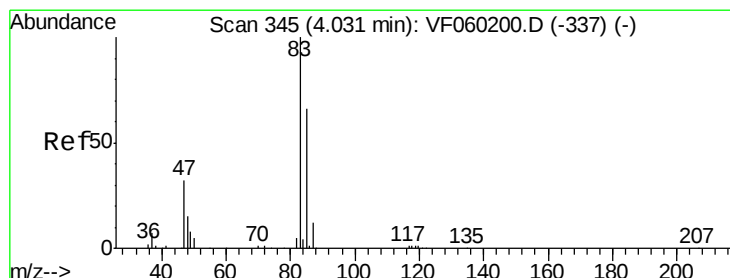
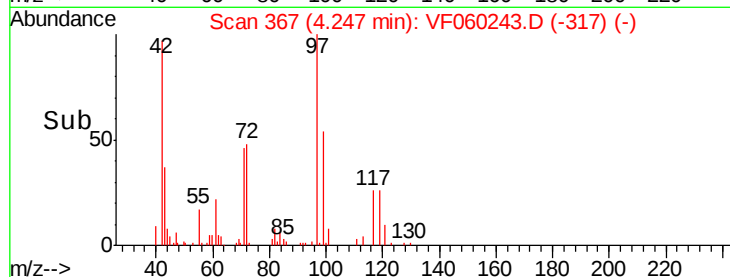
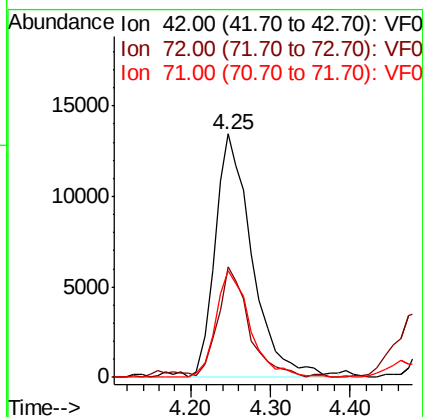
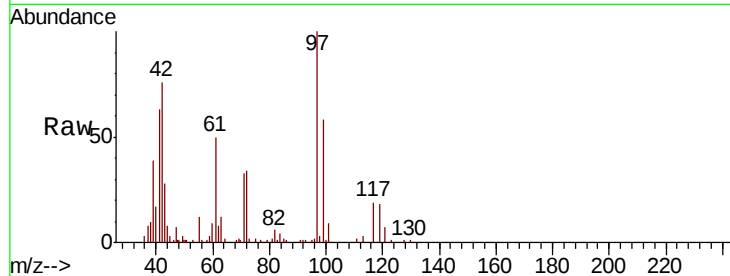
#29
Tetrahydrofuran
Concen: 194.70 ug/l
RT: 4.25 min Scan# 367
Delta R.T. -0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	27.4	41.0
71	40.6	28.5	42.7

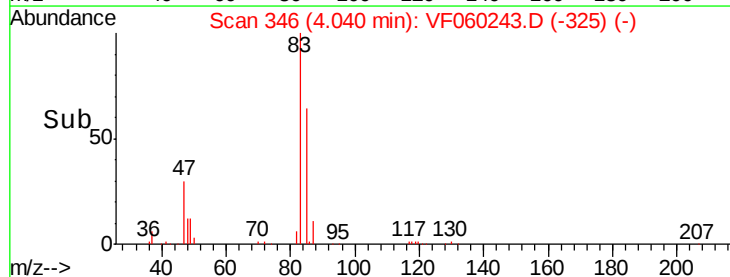
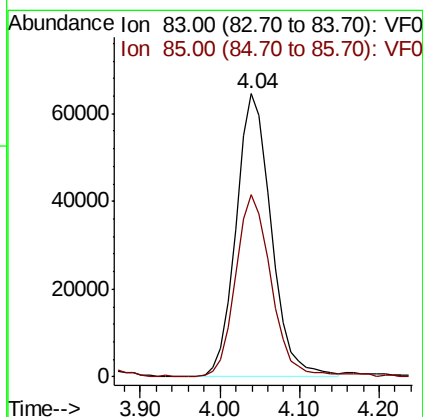
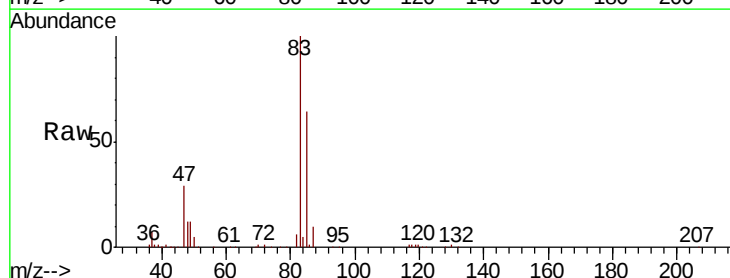
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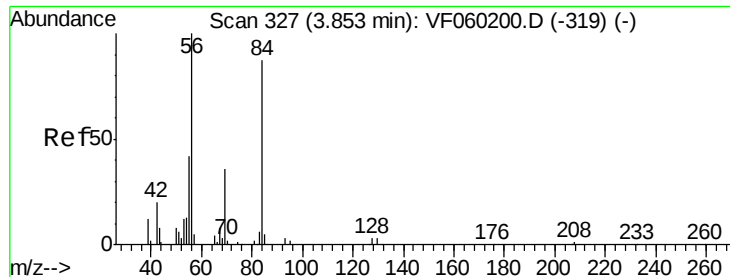
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#30
Chloroform
Concen: 55.44 ug/l
RT: 4.04 min Scan# 346
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.6	79.0





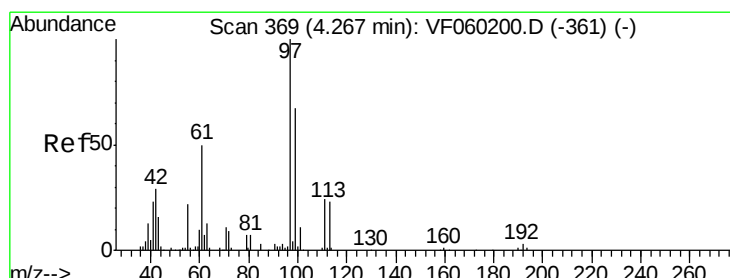
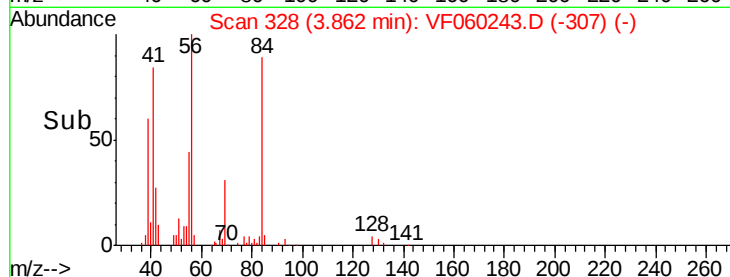
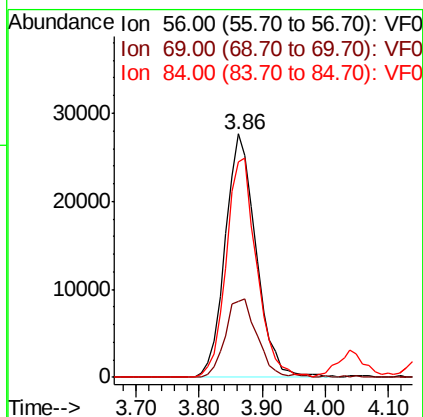
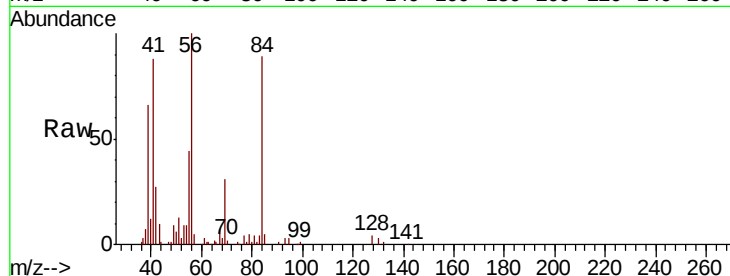
#31
Cyclohexane
Concen: 56.23 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	28.7	43.1
84	88.7	69.7	104.5

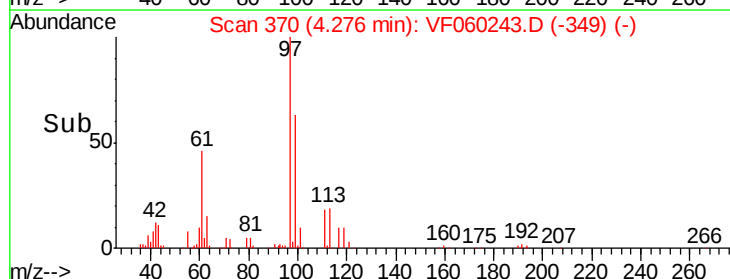
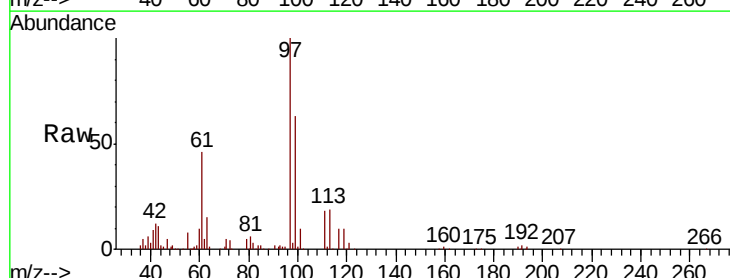
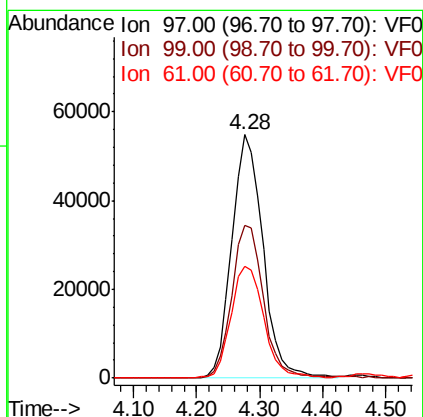
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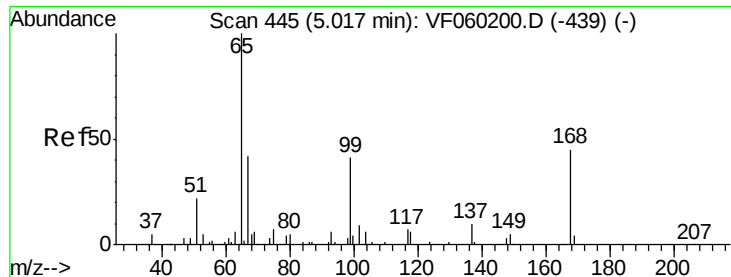
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#32
1,1,1-Trichloroethane
Concen: 52.80 ug/l
RT: 4.28 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	53.5	80.3
61	45.8	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 49.40 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Tot Ion: 65 Resp: 119623

Ion Ratio Lower Upper

65 100

67 41.5 0.0 87.2

Instrument :

MSVOA_F

ClientSampleId :

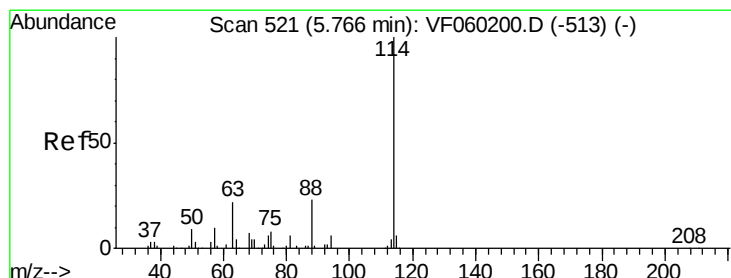
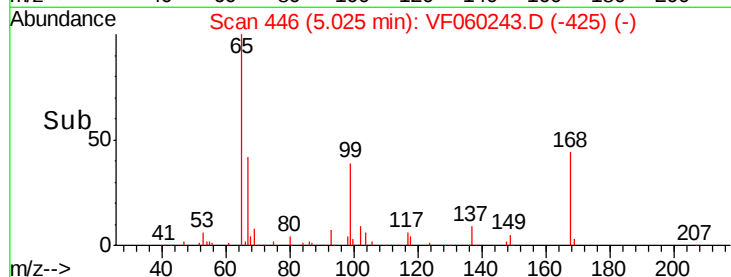
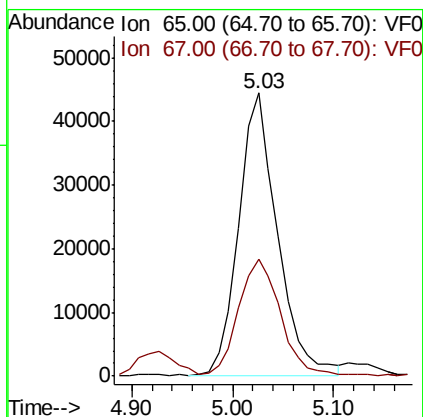
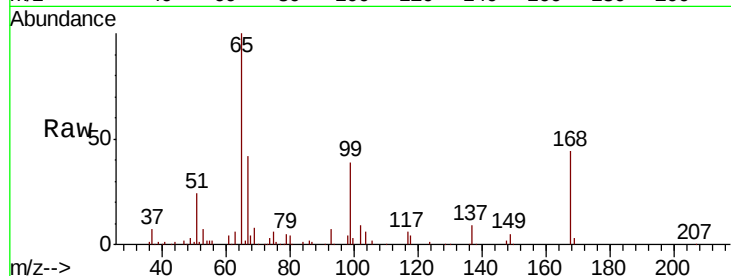
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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 522

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

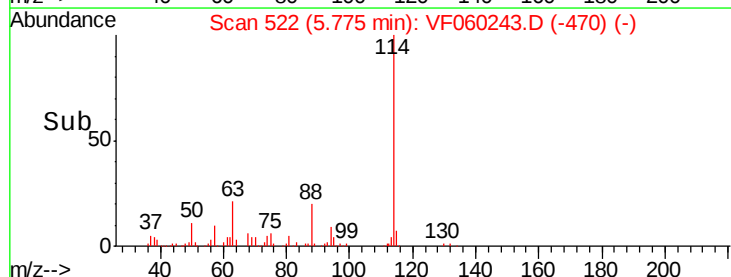
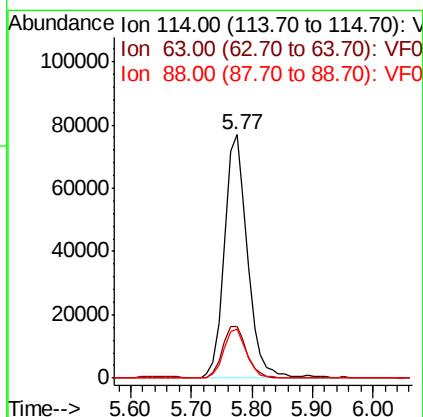
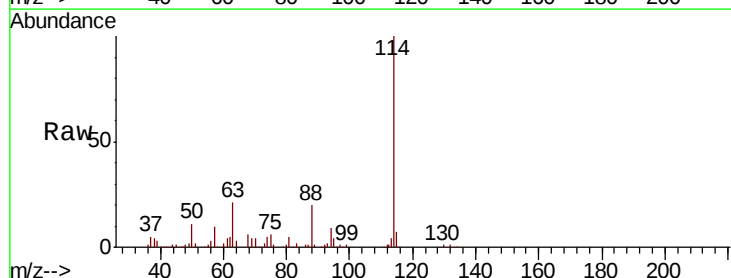
Tgt Ion: 114 Resp: 203419

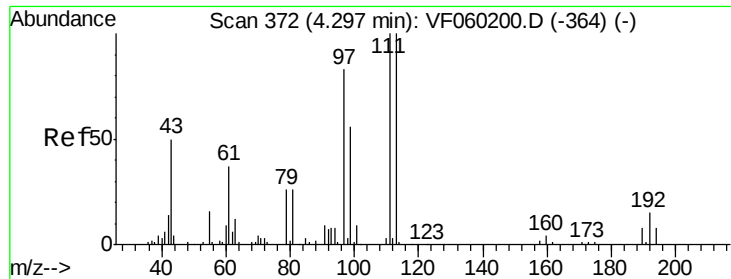
Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.6

88 20.2 0.0 46.4





#35

Dibromofluoromethane

Concen: 29.34 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.00 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

Tot Ion:113 Resp: 58473

Ion Ratio Lower Upper

113 100

111 95.8 80.2 120.2

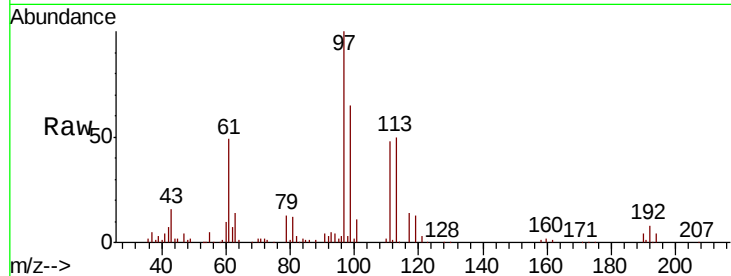
192 15.3 11.8 17.8

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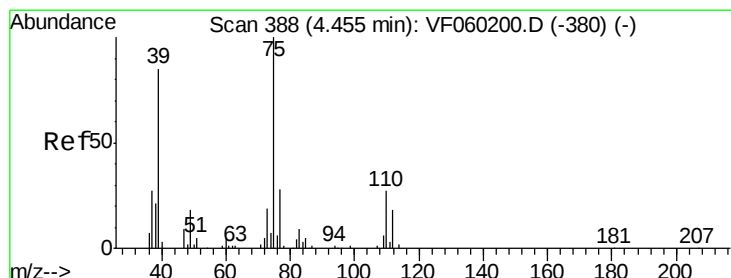
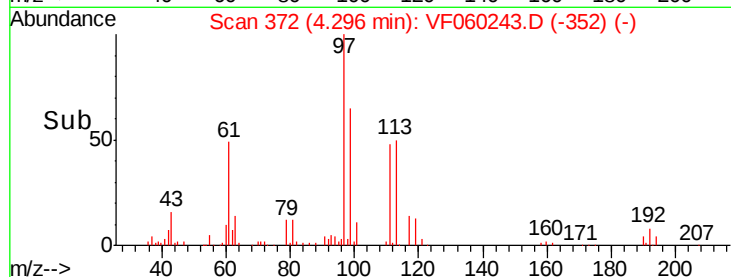
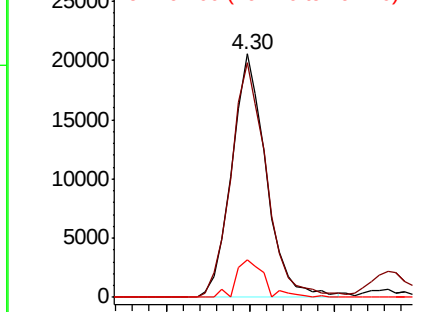


Abundance

Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 54.15 ug/l

RT: 4.46 min Scan# 389

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

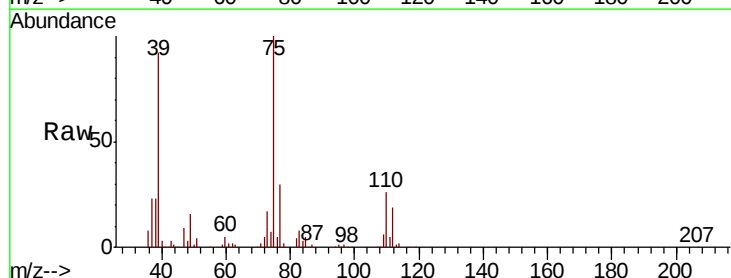
Tgt Ion: 75 Resp: 129650

Ion Ratio Lower Upper

75 100

110 25.6 13.6 40.7

77 30.1 22.7 34.1

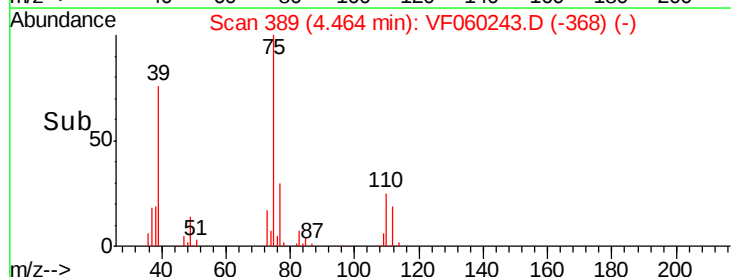
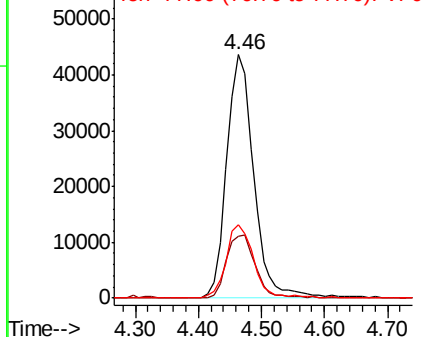


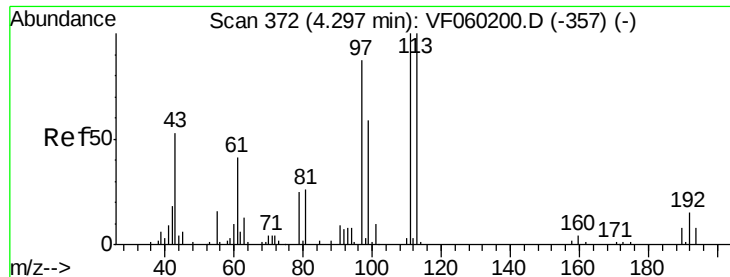
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 23.24 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

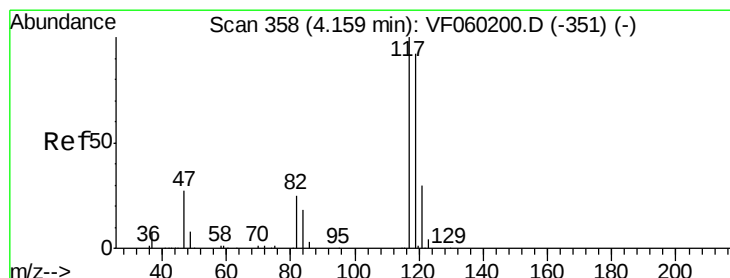
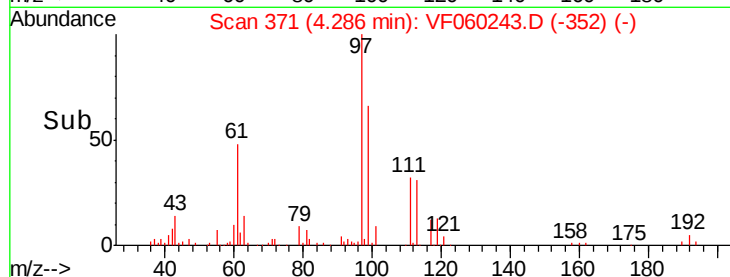
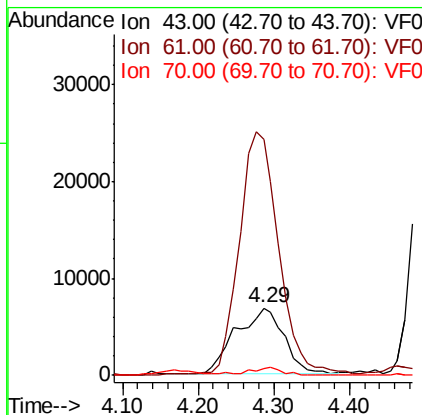
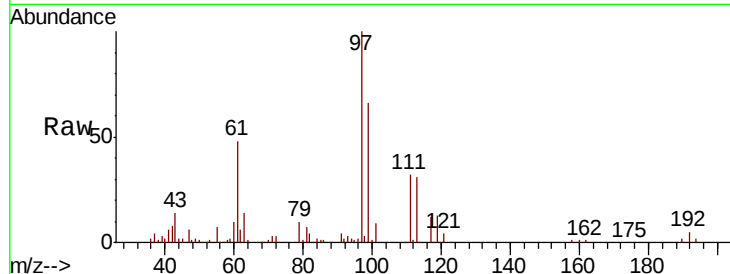
ClientSampleId :

J4803-17MSD

Tot Ion:	43	Resp:	29953
Ion	Ratio	Lower	Upper
43	100		
61	348.7	61.6	92.4#
70	10.5	6.9	10.3#

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#38

Carbon Tetrachloride

Concen: 48.77 ug/l

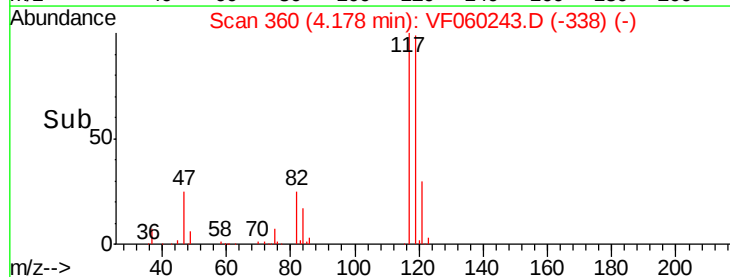
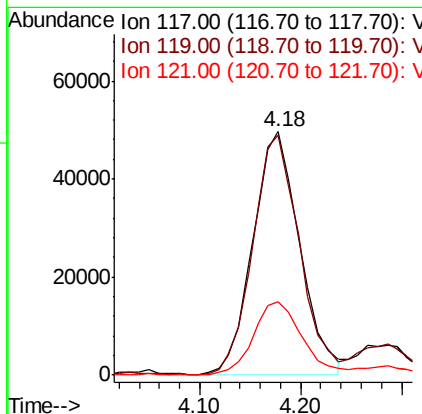
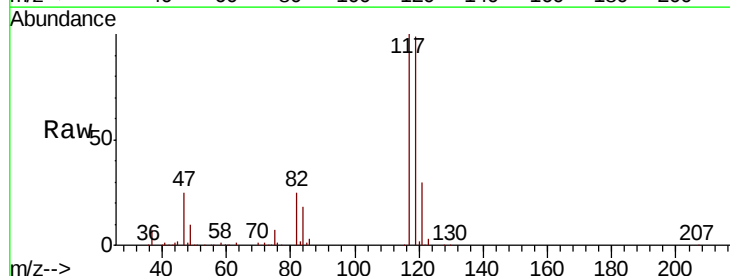
RT: 4.18 min Scan# 360

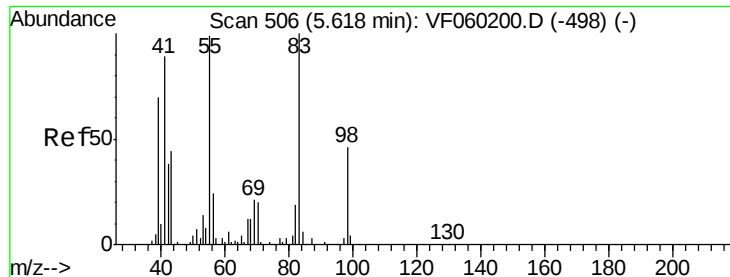
Delta R.T. 0.02 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Tgt Ion:	117	Resp:	160535
Ion	Ratio	Lower	Upper
117	100		
119	98.6	73.0	109.6
121	29.9	23.9	35.9





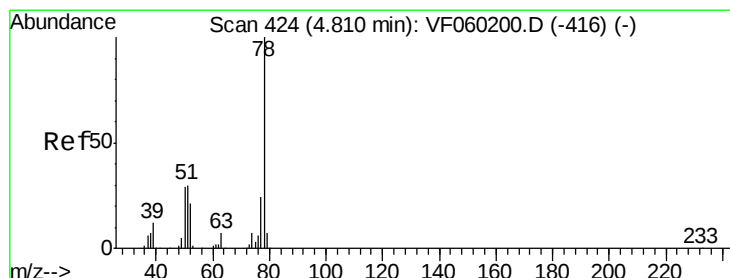
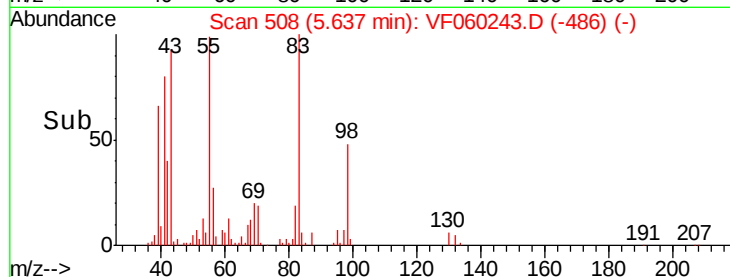
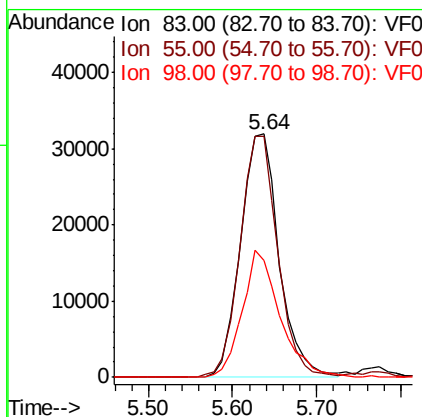
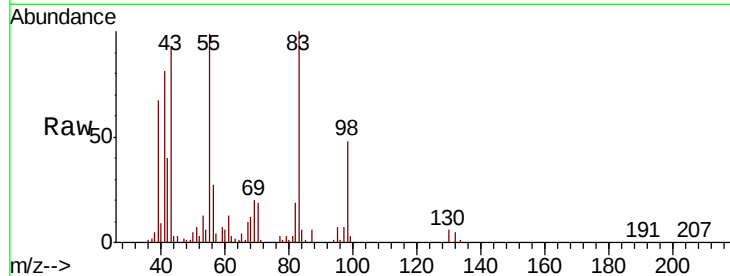
#39
Methvlcvclohexane
Concen: 51.22 ug/l
RT: 5.64 min Scan# 508
Delta R.T. 0.02 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	99.0	79.0	118.4
98	47.8	36.7	55.1

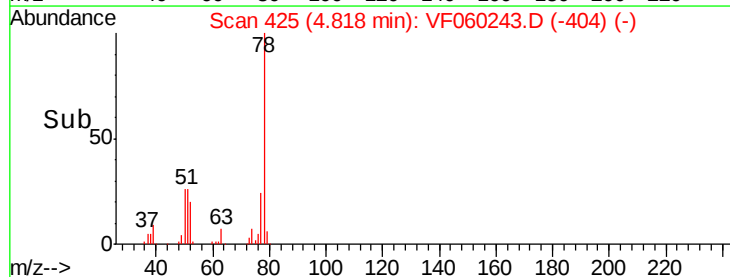
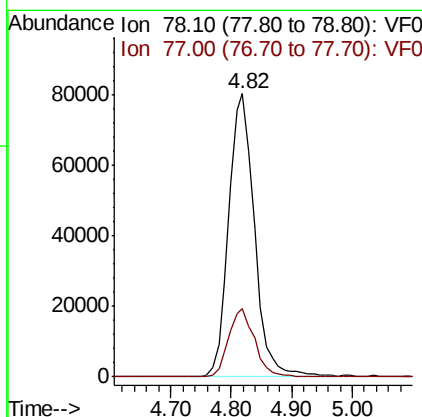
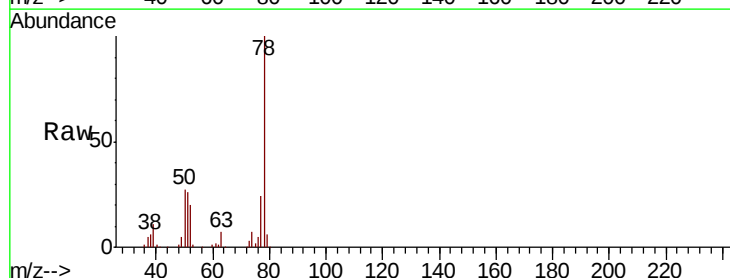
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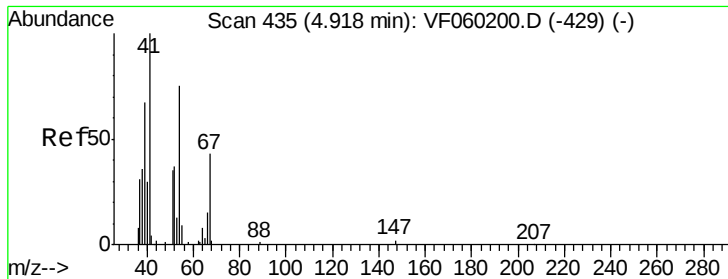
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#40
Benzene
Concen: 55.94 ug/l
RT: 4.82 min Scan# 425
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.4





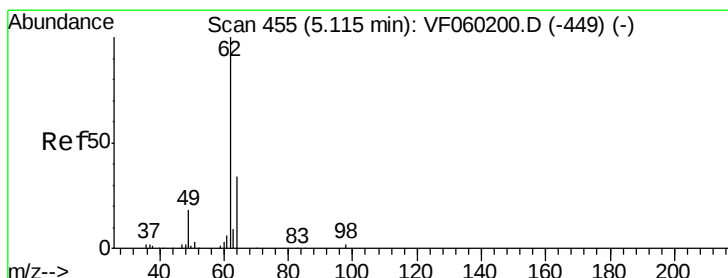
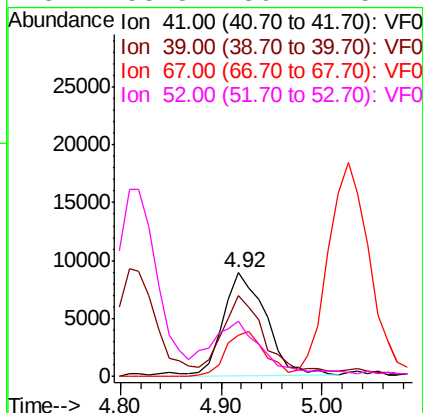
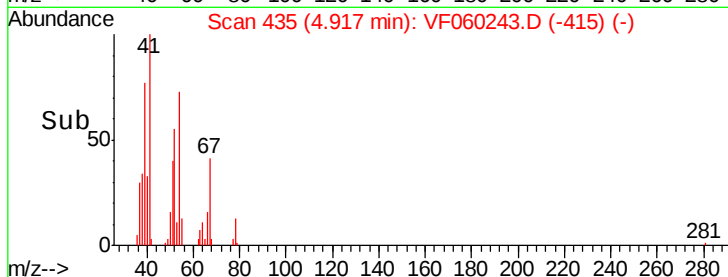
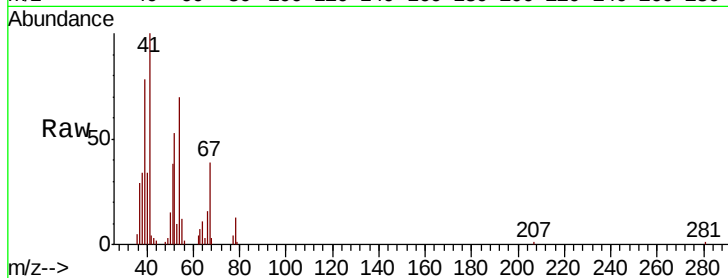
#41
Methacrylonitrile
Concen: 41.69 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.00 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

Tot Ion:	41	Resp:	25964
Ion	Ratio	Lower	Upper
41	100		
39	78.2	57.4	86.2
67	39.1	34.6	52.0
52	53.3	36.2	54.4

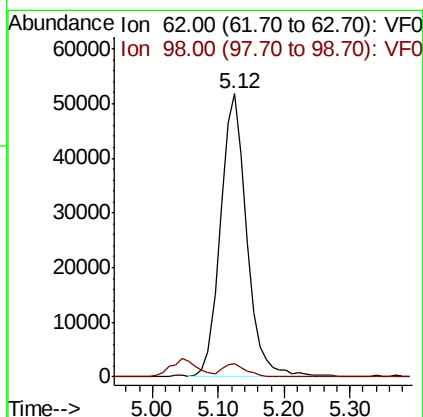
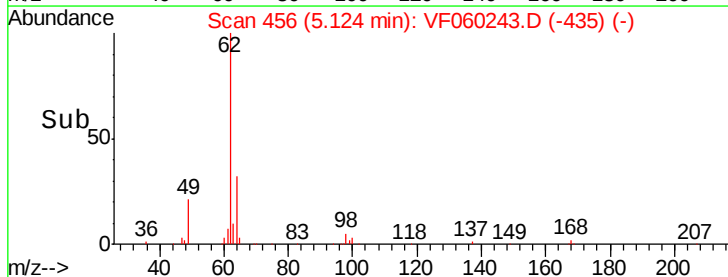
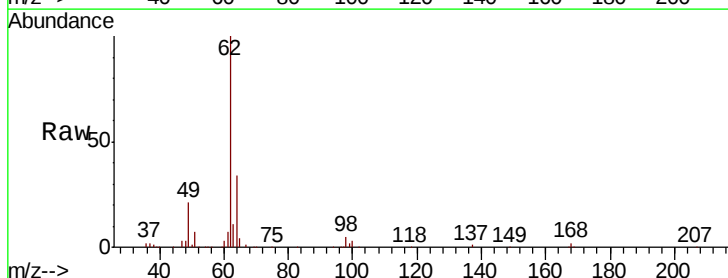
Manual Integrations
APPROVED

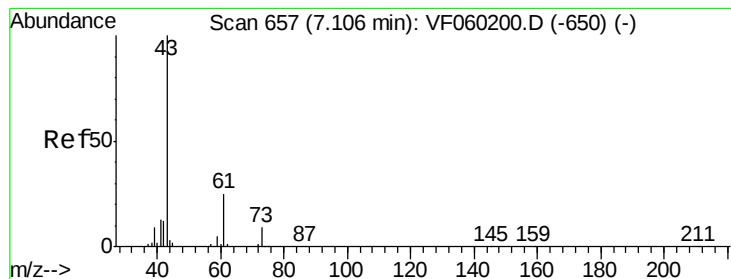
apatel
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#42
1,2-Dichloroethane
Concen: 46.09 ug/l
RT: 5.12 min Scan# 456
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion:	62	Resp:	142078
Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	8.8





#43

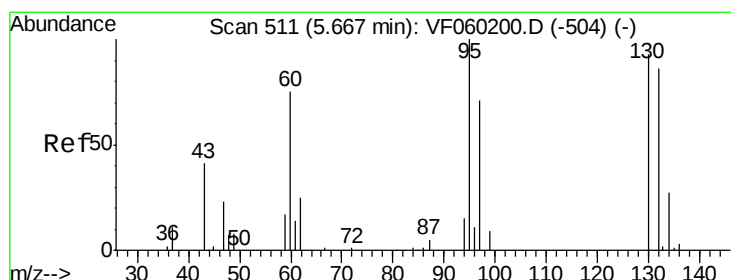
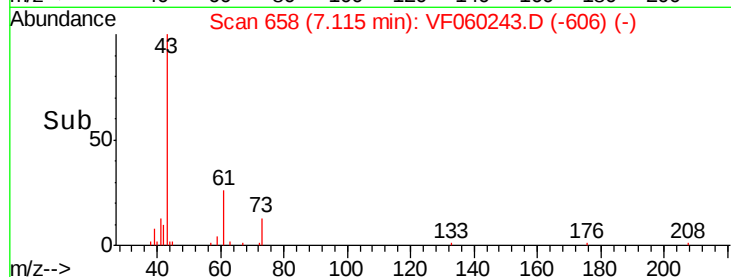
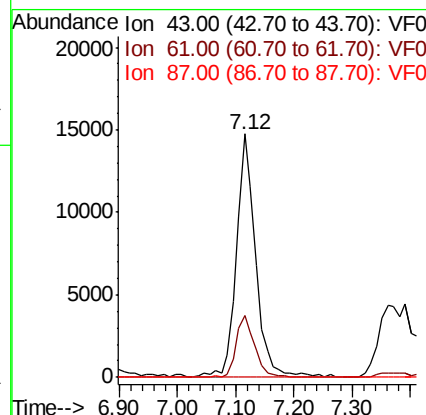
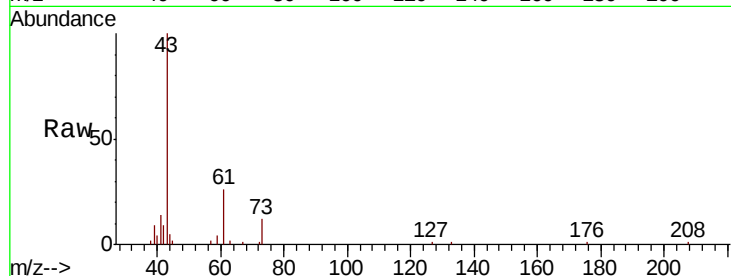
Isopropyl Acetate
 Concen: 24.25 ug/l
 RT: 7.12 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	19.9	29.9
87	0.0	0.4	0.6

Manual Integrations
 APPROVED

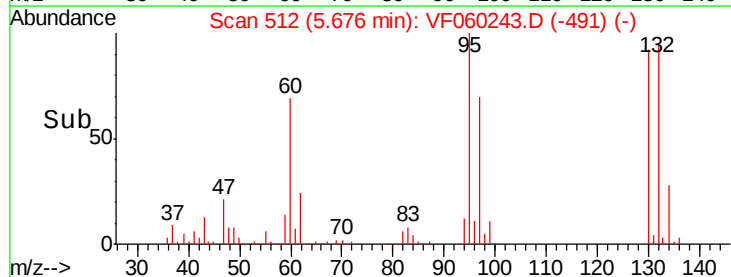
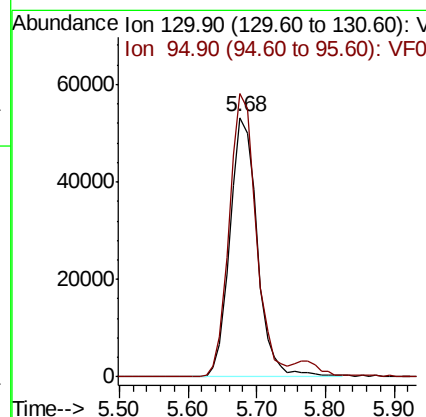
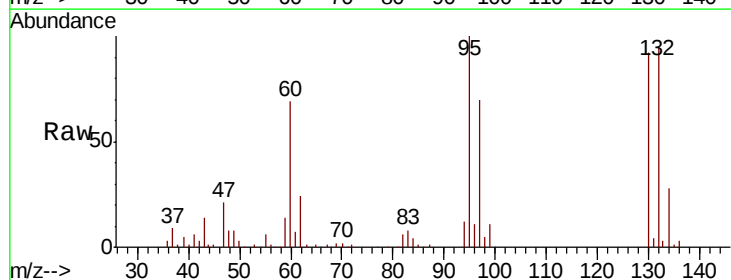
apatel
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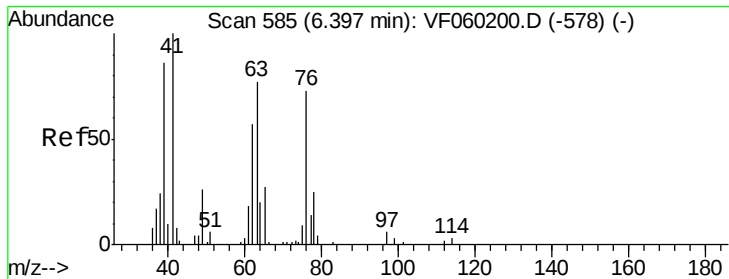


#44

Trichloroethene
 Concen: 85.14 ug/l
 RT: 5.68 min Scan# 512
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.0	0.0	215.4





#45

1,2-Dichloropropane

Concen: 52.96 ug/l

RT: 6.41 min Scan# 586

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

Tot Ion: 63 Resp: 64209

Ion Ratio Lower Upper

63 100

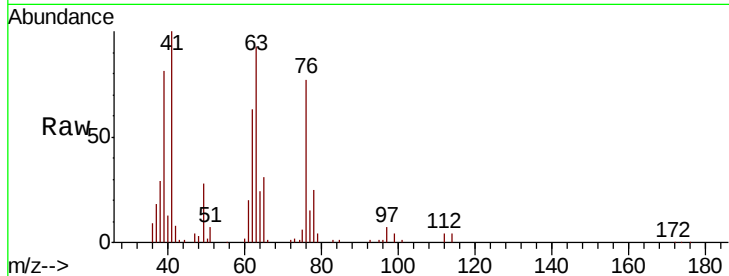
65 33.1 27.9 41.9

Manual Integrations

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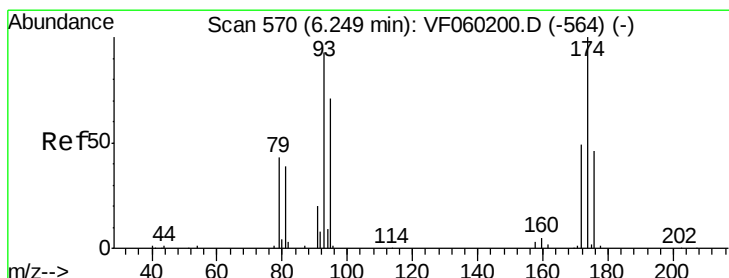
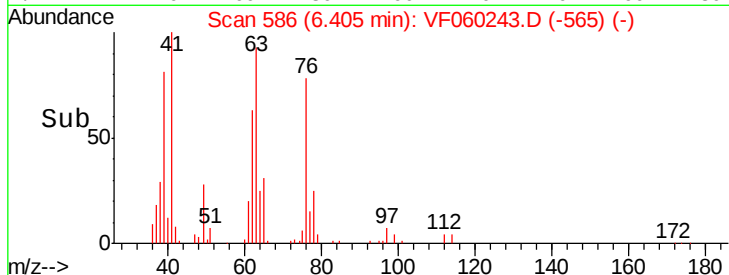
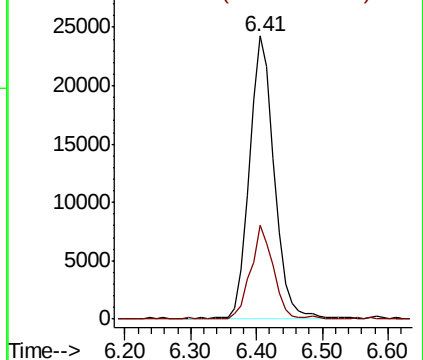
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 48.91 ug/l

RT: 6.26 min Scan# 571

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

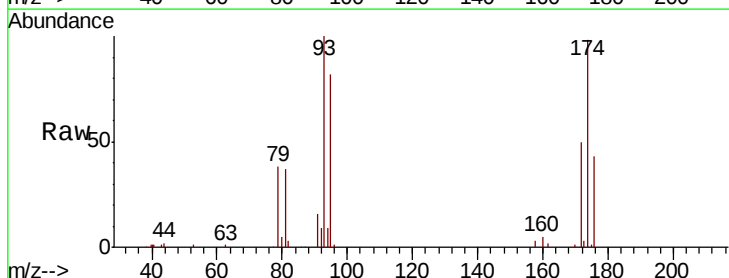
Tgt Ion: 93 Resp: 52219

Ion Ratio Lower Upper

93 100

95 81.7 61.4 92.2

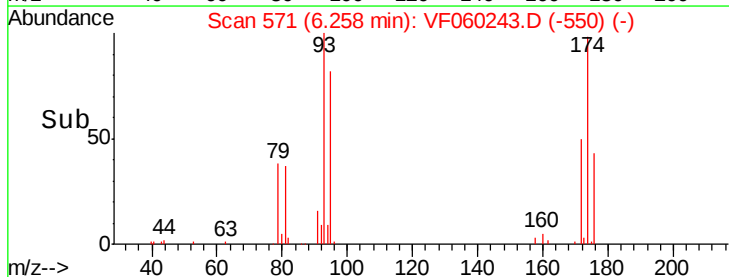
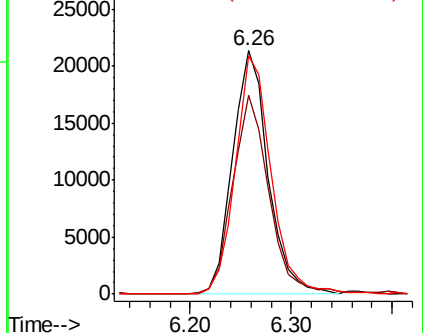
174 98.1 85.9 128.9

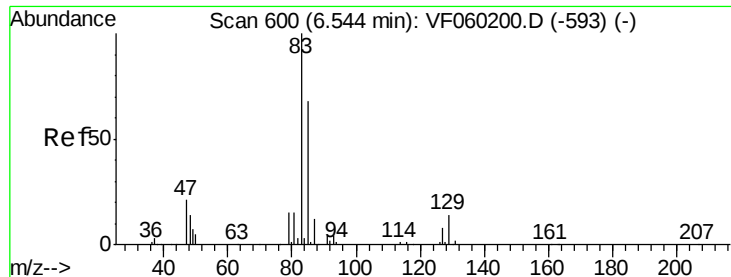


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 49.44 ug/l

RT: 6.55 min Scan# 601

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

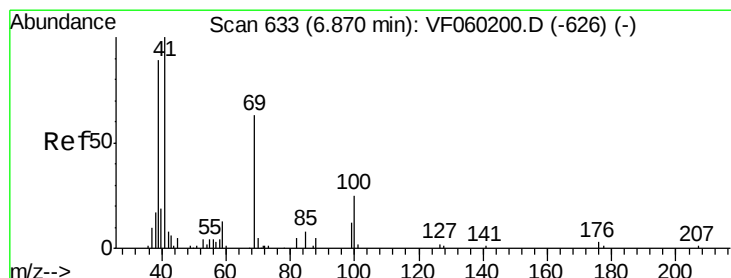
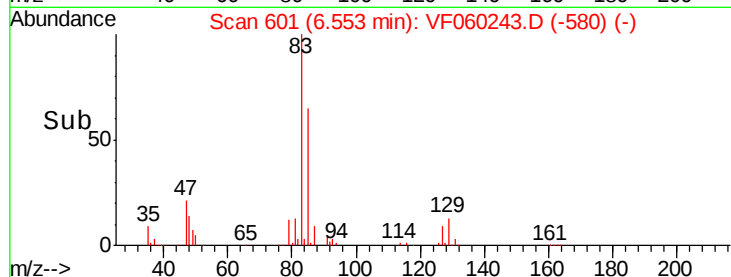
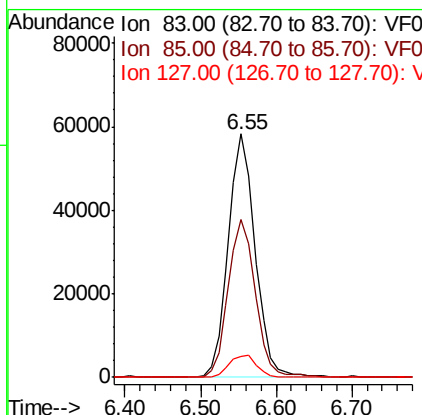
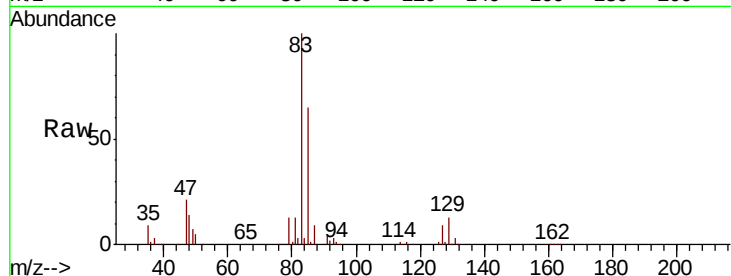
ClientSampleId :

J4803-17MSD

Tot Ion:	83	Resp:	143249
Ion Ratio	Lower	Upper	
83	100		
85	64.8	54.0	81.0
127	8.7	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 29.03 ug/l

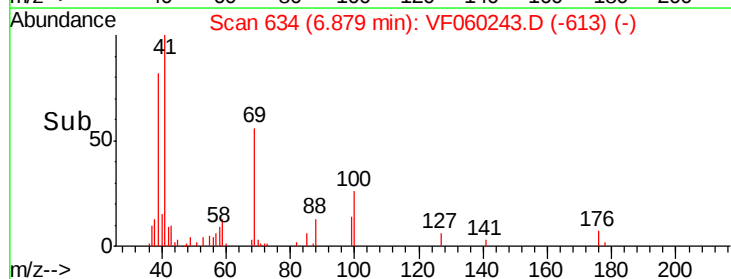
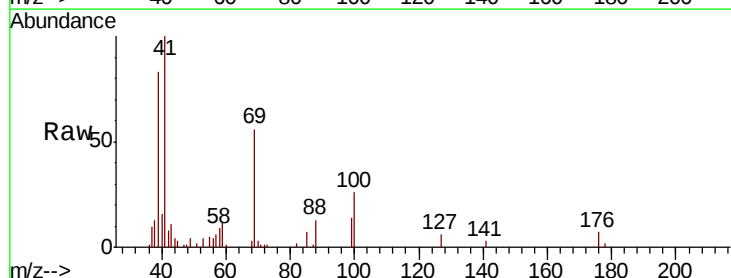
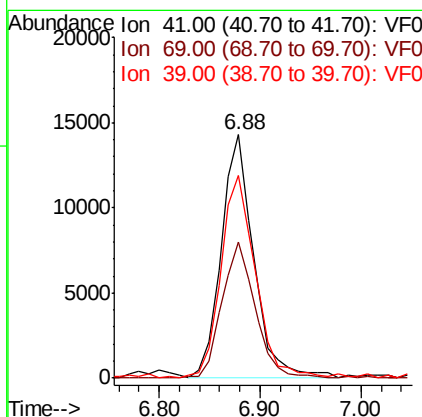
RT: 6.88 min Scan# 634

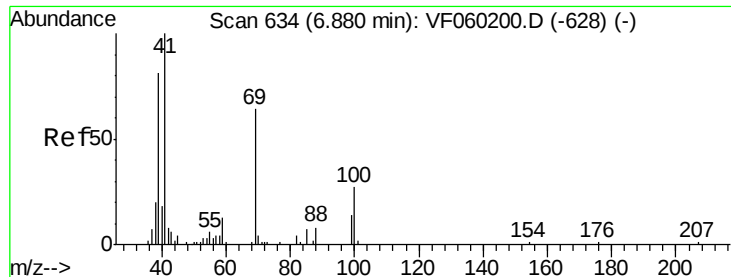
Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Tgt Ion:	41	Resp:	32111
Ion Ratio	Lower	Upper	
41	100		
69	55.7	50.4	75.6
39	83.0	70.6	106.0





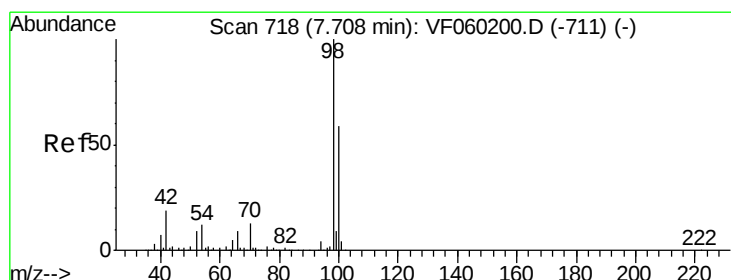
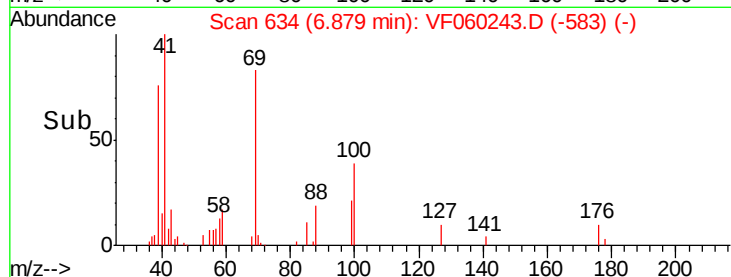
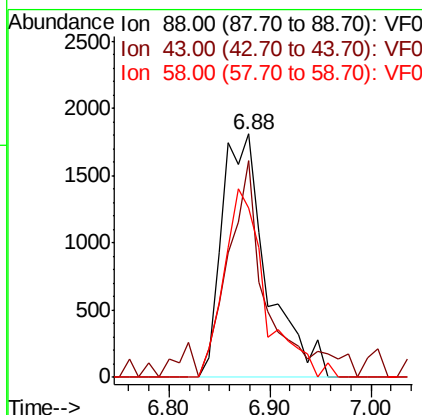
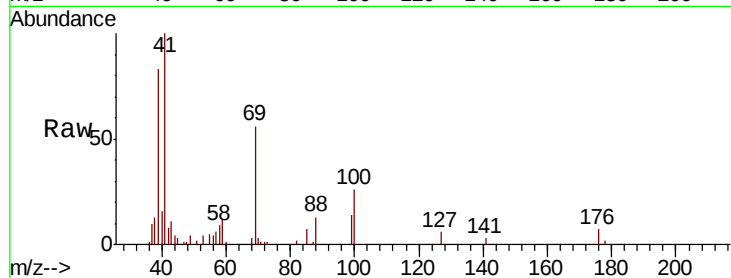
#49
 1,4-Dioxane
 Concen: 345.19 ug/l
 RT: 6.88 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	89.1	68.1	102.1
58	69.4	38.1	57.1#

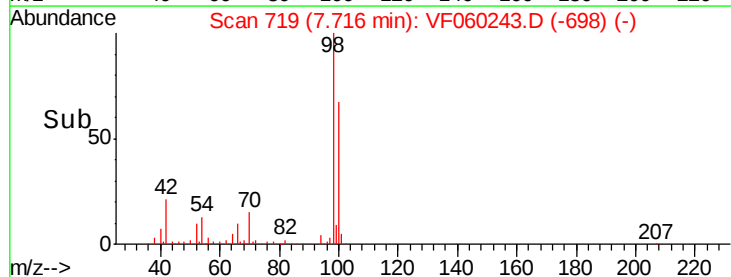
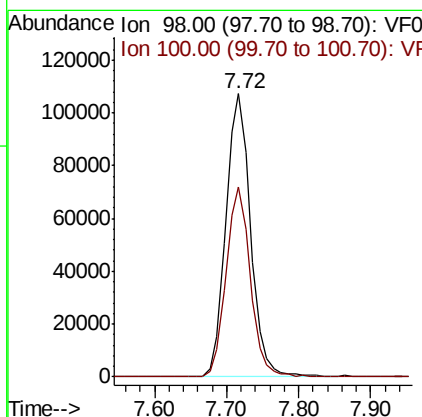
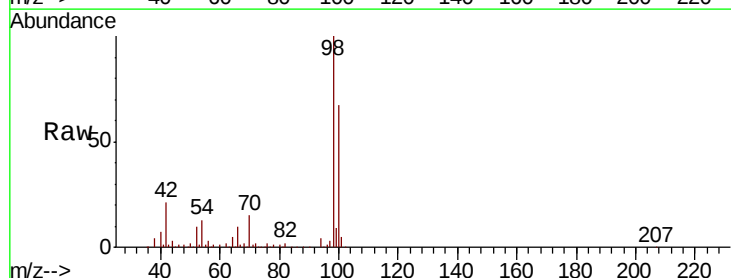
Manual Integrations
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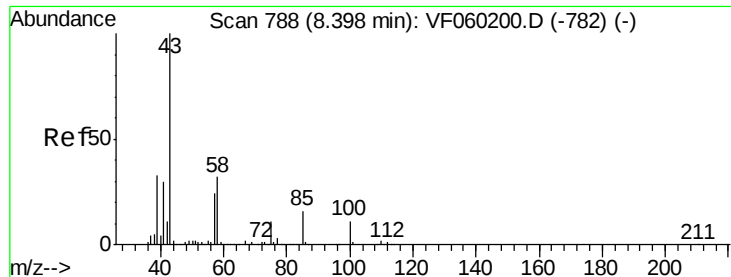
apatel
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#50
 Toluene-d8
 Concen: 51.29 ug/l
 RT: 7.72 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	47.4	71.0





#51

4-Methyl-2-Pentanone

Concen: 228.97 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

Tot Ion: 43 Resp: 283310

Ion Ratio Lower Upper

43 100

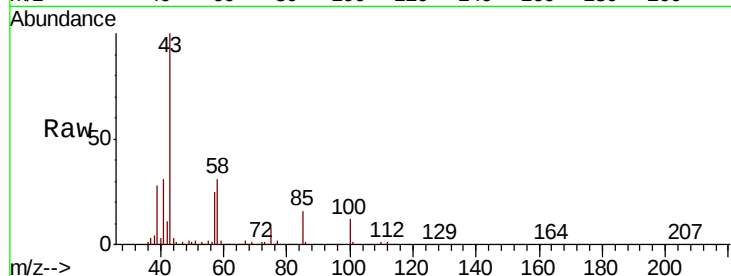
58 31.3 25.8 38.6

Manual Integrations

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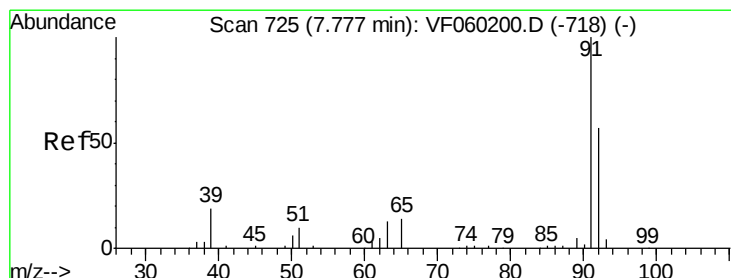
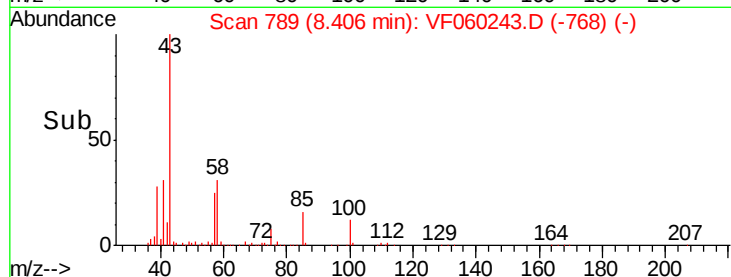
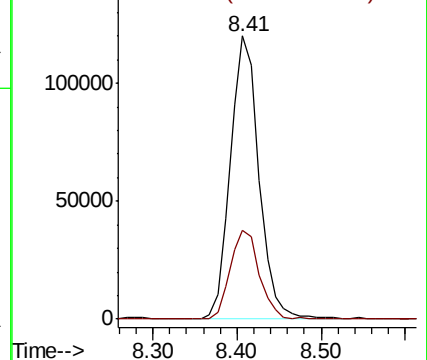
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 51.21 ug/l

RT: 7.79 min Scan# 726

Delta R.T. 0.01 min

Lab File: VF060243.D

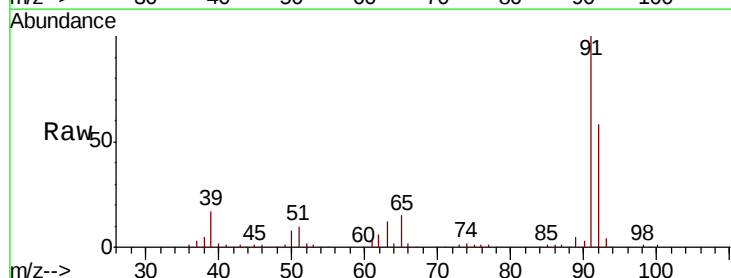
Acq: 10 Sep 2018 19:05

Tgt Ion: 92 Resp: 169167

Ion Ratio Lower Upper

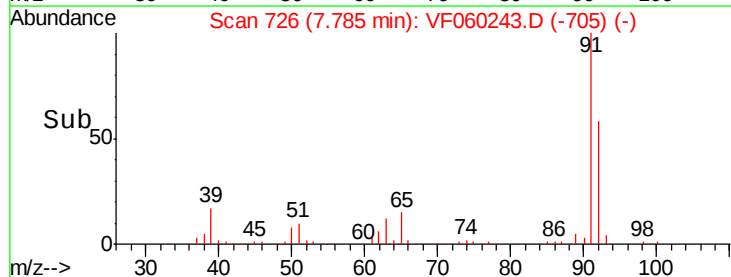
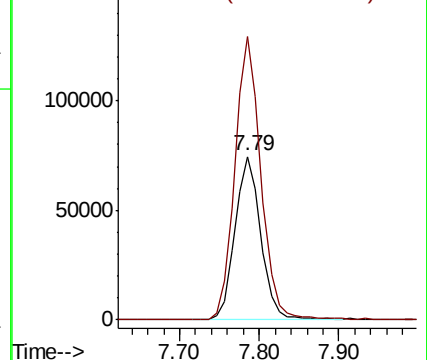
92 100

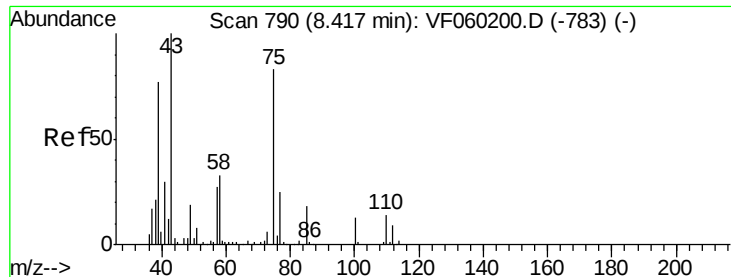
91 173.1 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 46.61 ug/l

RT: 8.44 min Scan# 792

Delta R.T. 0.02 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

Tot Ion: 75 Resp: 113476

Ion Ratio Lower Upper

75 100

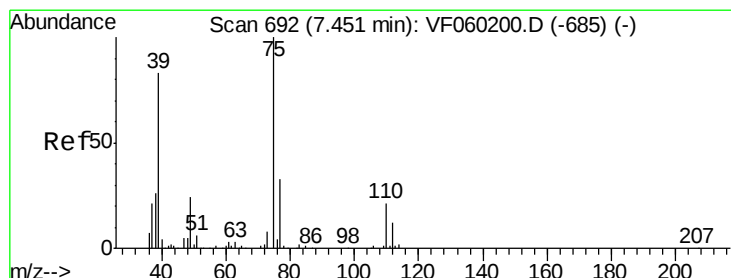
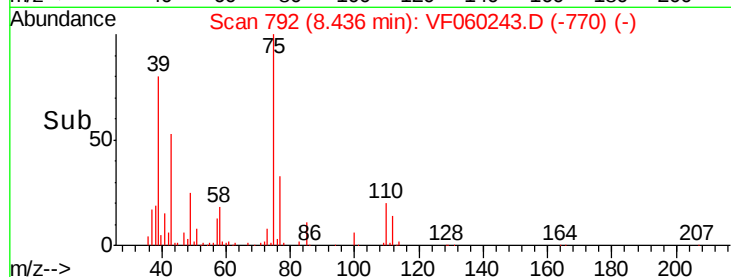
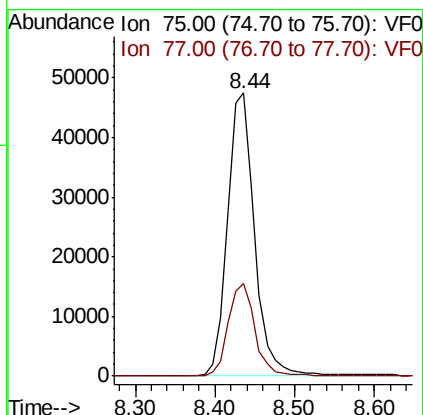
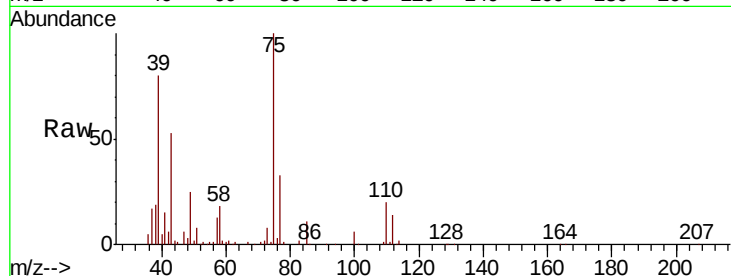
77 32.9 24.3 36.5

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#54

cis-1,3-Dichloropropene

Concen: 51.59 ug/l

RT: 7.46 min Scan# 693

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

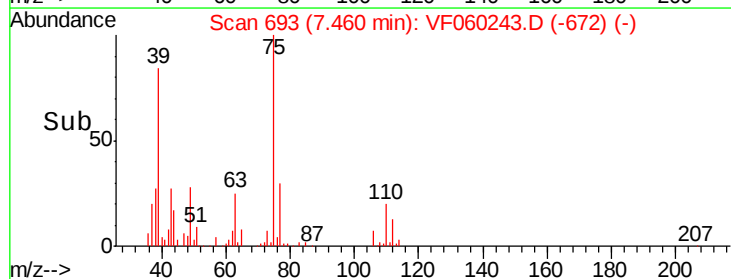
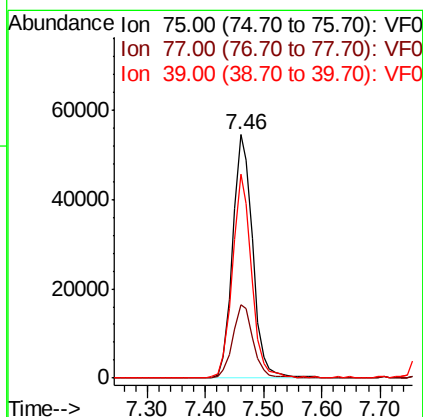
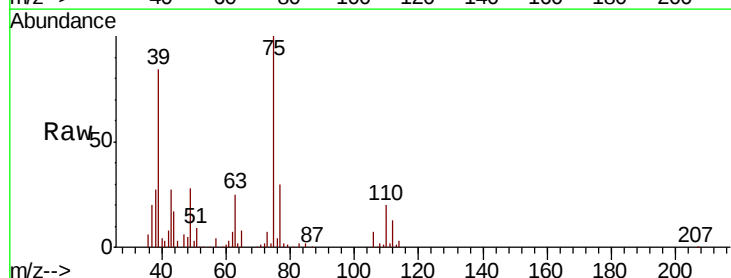
Tgt Ion: 75 Resp: 130382

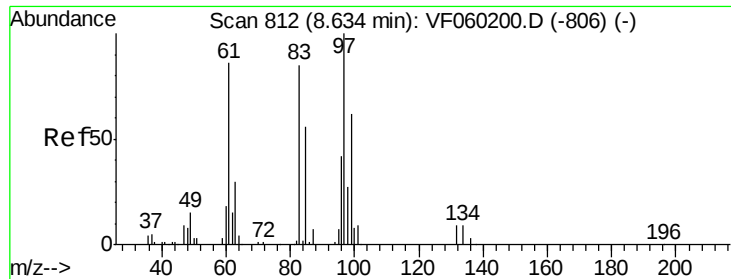
Ion Ratio Lower Upper

75 100

77 30.4 26.6 39.8

39 83.9 66.6 100.0





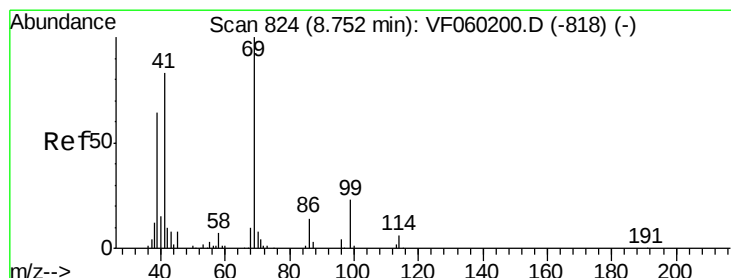
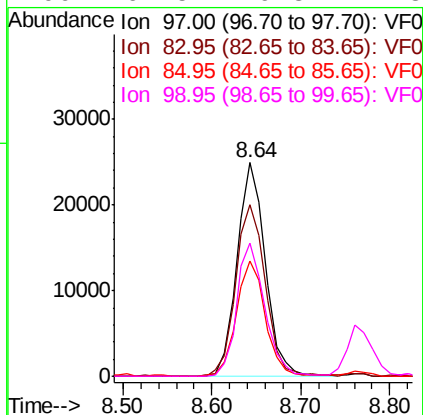
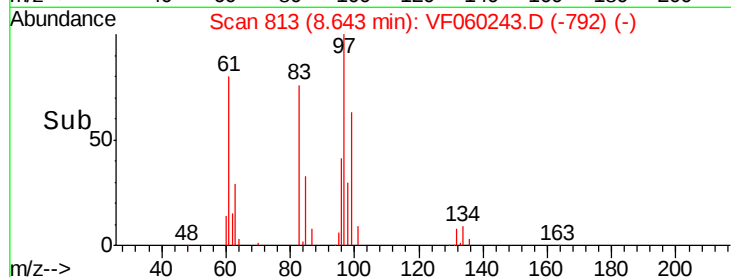
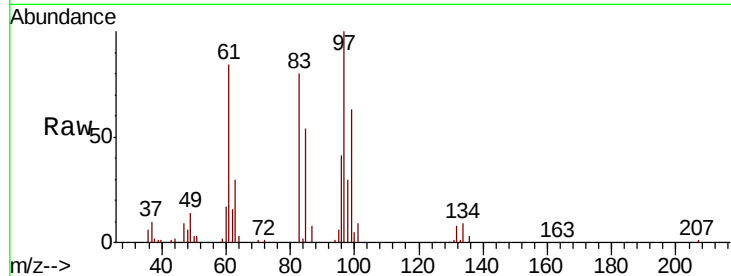
#55
 1,1,2-Trichloroethane
 Concen: 45.35 ug/l
 RT: 8.64 min Scan# 813
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MSD

Tot Ion:	97	Resp:	55099
Ion	Ratio	Lower	Upper
97	100		
83	80.5	68.1	102.1
85	53.7	44.6	66.8
99	62.5	49.8	74.8

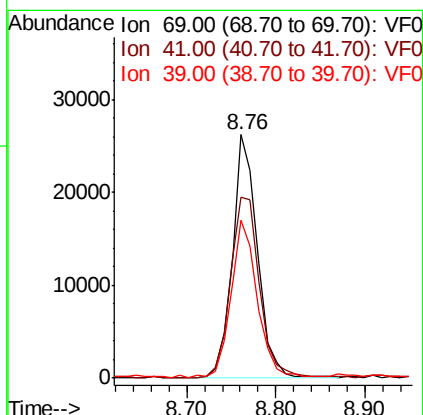
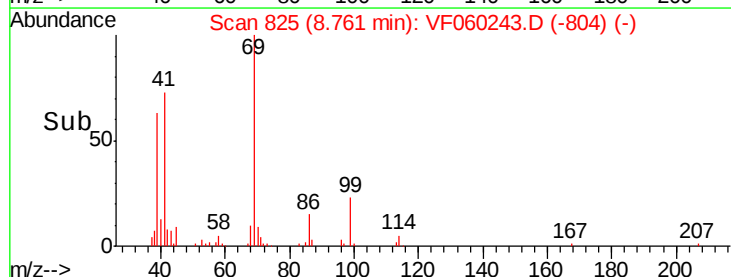
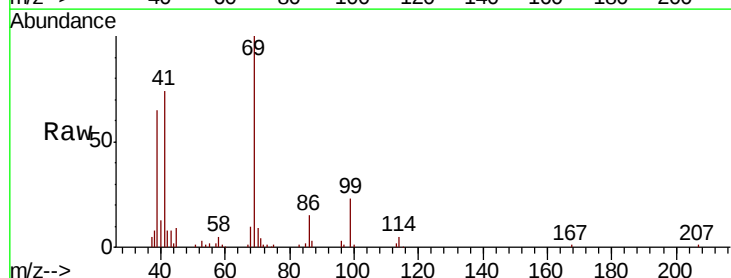
Manual Integrations
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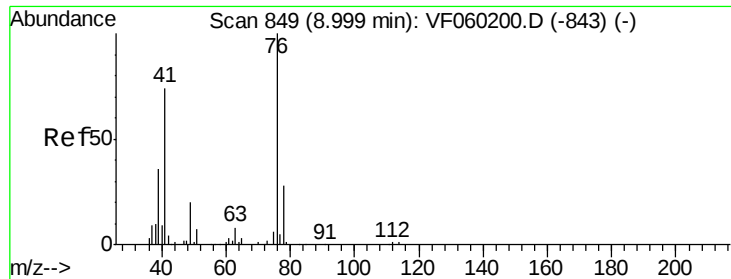
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#56
 Ethyl methacrylate
 Concen: 37.30 ug/l
 RT: 8.76 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Tgt Ion:	69	Resp:	51805
Ion	Ratio	Lower	Upper
69	100		
41	74.2	66.6	100.0
39	64.6	51.5	77.3





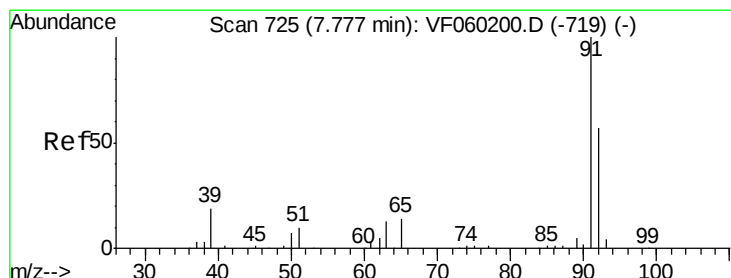
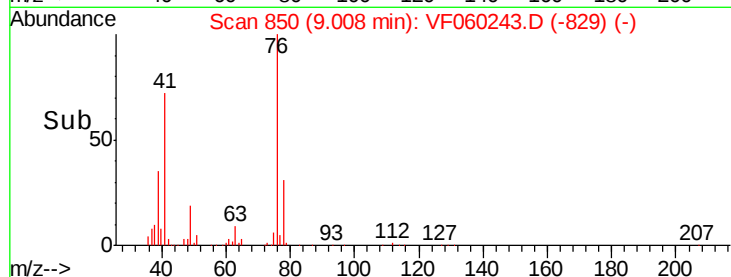
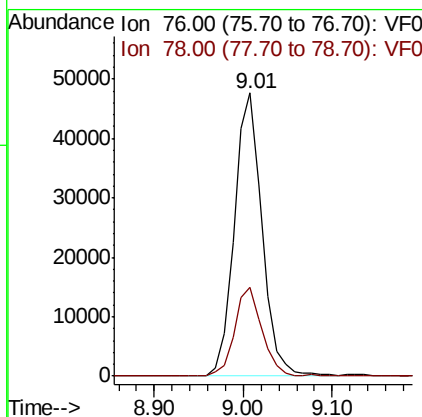
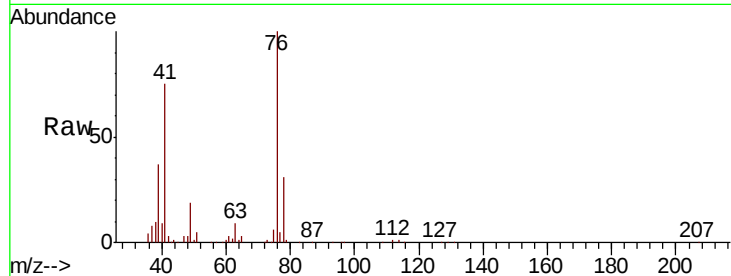
#57
 1,3-Dichloropropane
 Concen: 47.93 ug/l
 RT: 9.01 min Scan# 850
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MSD

Tot Ion: 76 Resp: 103551
 Ion Ratio Lower Upper
 76 100
 78 31.4 22.8 34.2

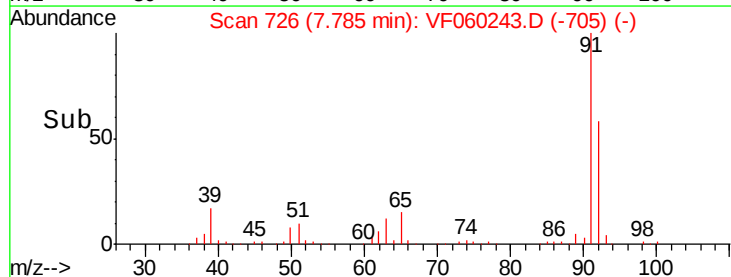
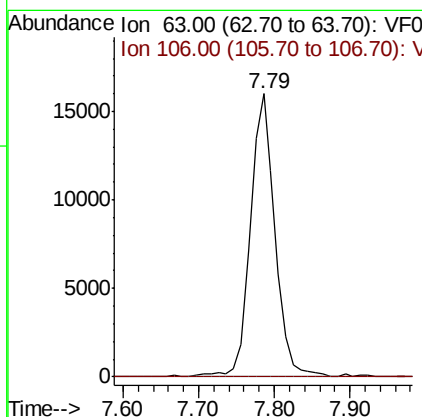
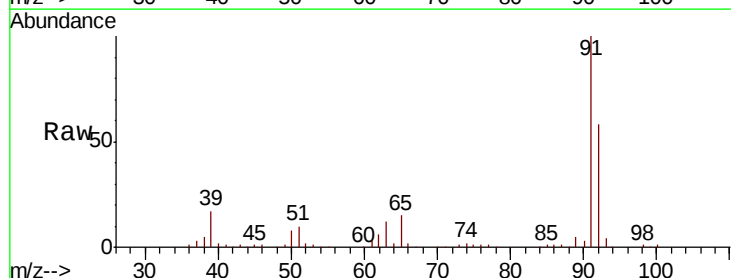
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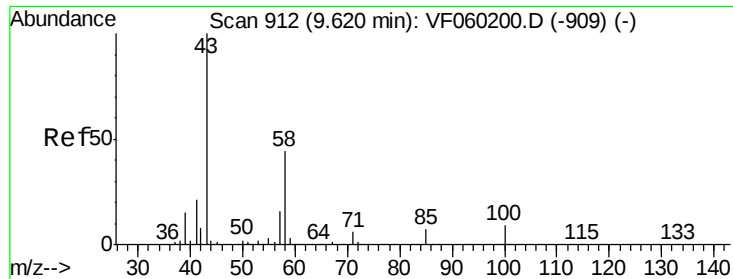
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 243.05 ug/l
 RT: 7.79 min Scan# 726
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Tgt Ion: 63 Resp: 36306
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0





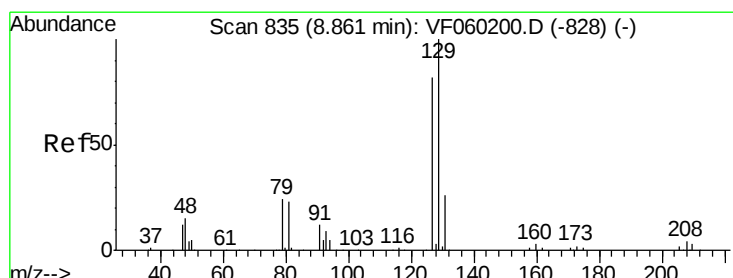
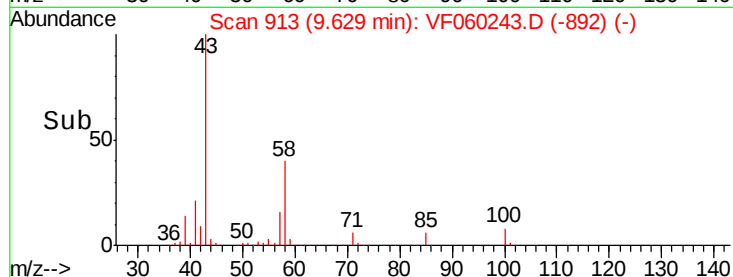
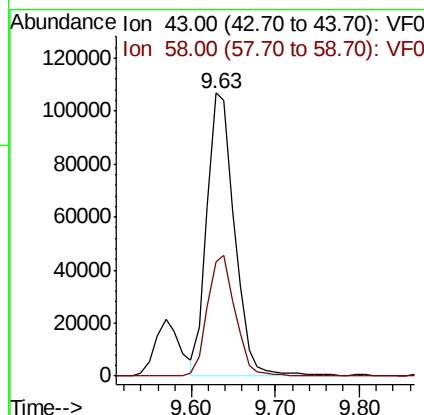
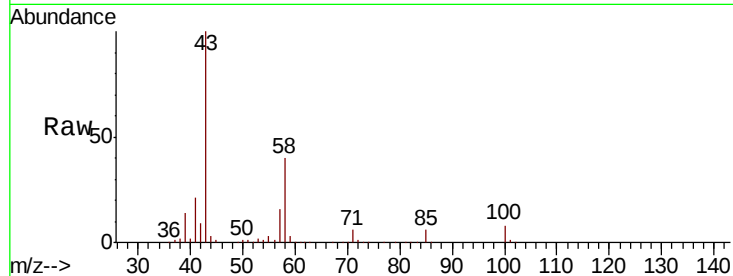
#59
2-Hexanone
Concen: 261.02 ug/l
RT: 9.63 min Scan# 913
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

Tot Ion: 43 Resp: 241502
Ion Ratio Lower Upper
43 100
58 40.4 20.8 62.5

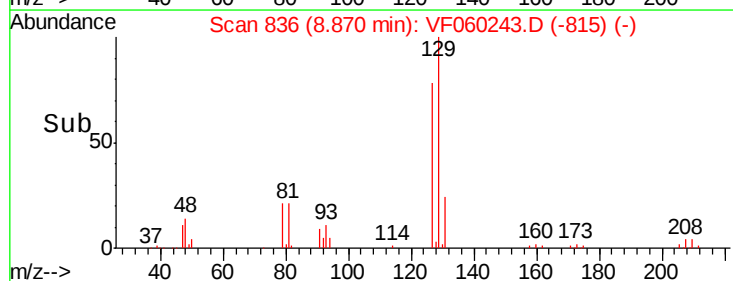
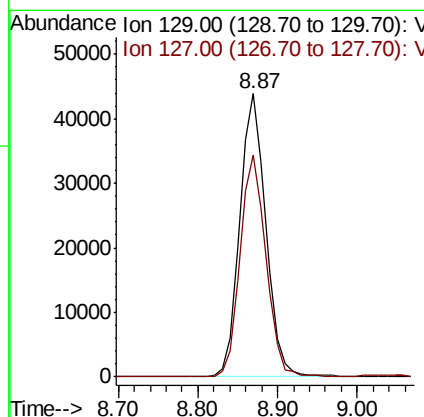
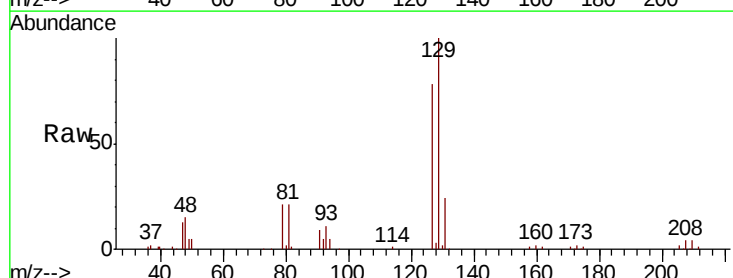
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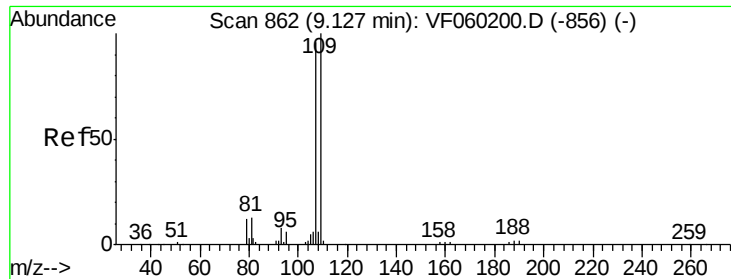
apatel
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#60
Dibromochloromethane
Concen: 49.41 ug/l
RT: 8.87 min Scan# 836
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion: 129 Resp: 99439
Ion Ratio Lower Upper
129 100
127 78.3 40.9 122.8





#61

1,2-Dibromoethane

Concen: 44.68 ug/l

RT: 9.15 min Scan# 864

Delta R.T. 0.02 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

Tot Ion:107 Resp: 65114

Ion Ratio Lower Upper

107 100

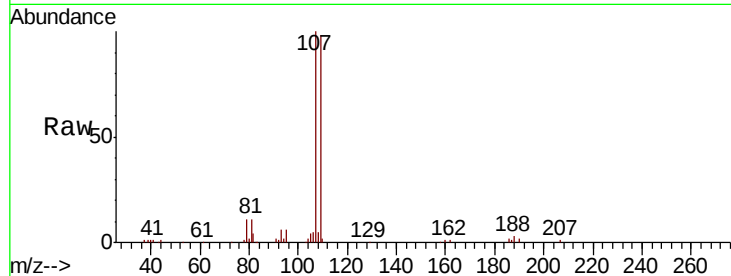
109 98.3 83.0 124.4

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.15

30000

25000

20000

15000

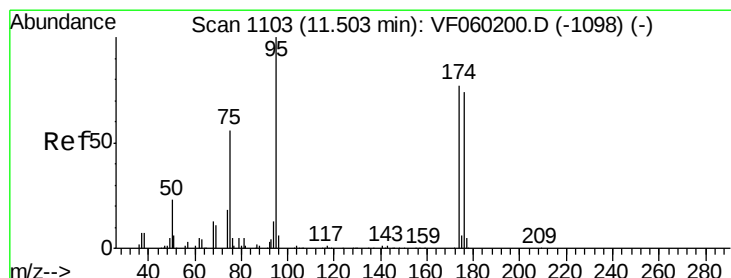
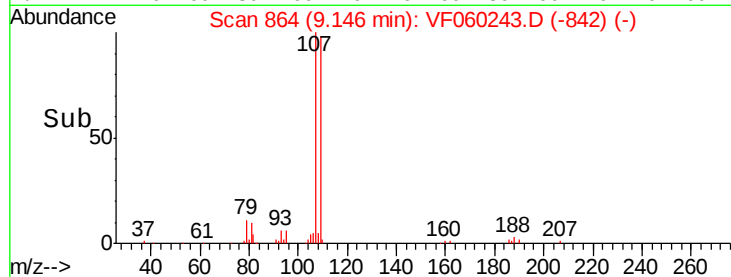
10000

5000

0

Time-->

9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 47.50 ug/l

RT: 11.51 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

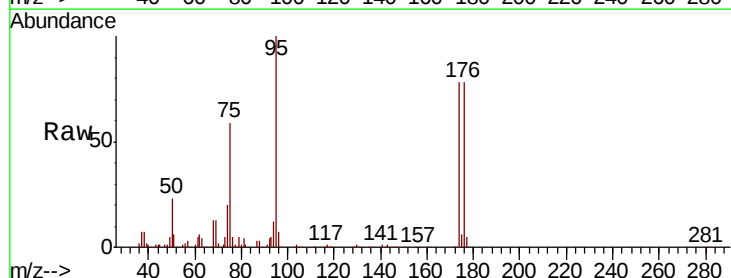
Tgt Ion: 95 Resp: 133274

Ion Ratio Lower Upper

95 100

174 78.3 0.0 153.2

176 77.8 0.0 147.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.51

100000

80000

60000

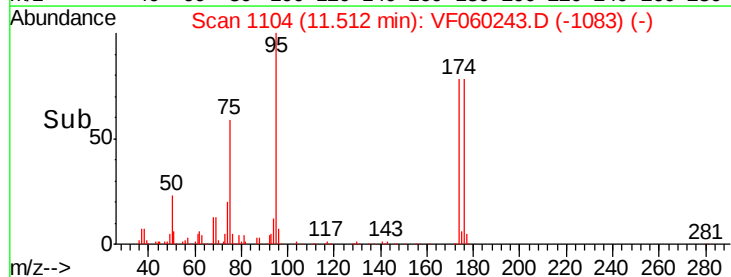
40000

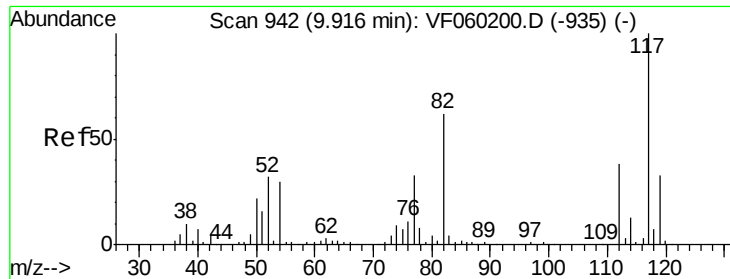
20000

0

Time-->

11.40 11.50 11.60 11.70





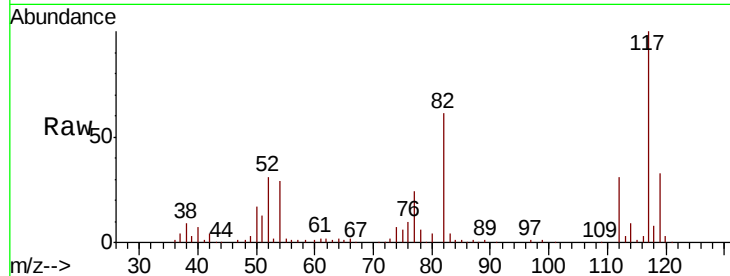
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	49.3	73.9
119	32.8	26.5	39.7

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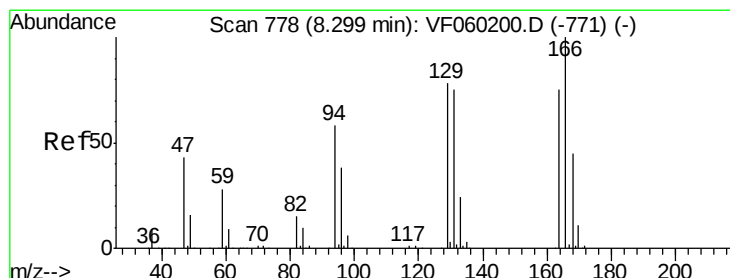
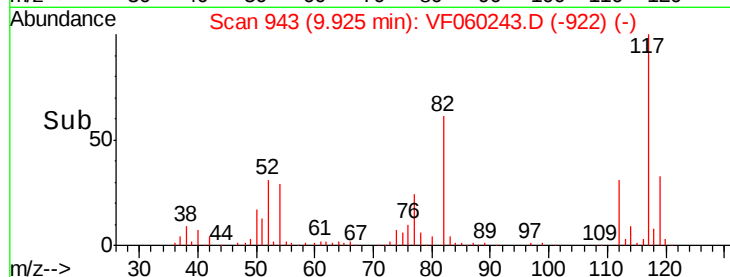
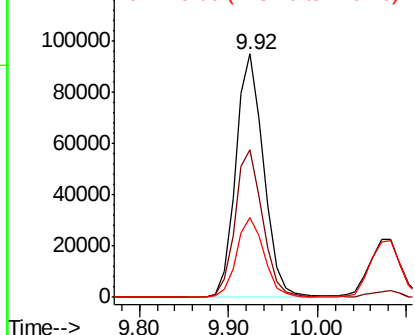


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 69.05 ug/l
RT: 8.32 min Scan# 780
Delta R.T. 0.02 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	107.0	160.4
129	96.3	83.0	124.6
131	89.7	79.8	119.8

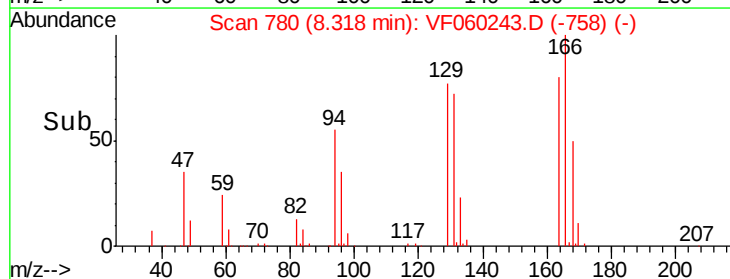
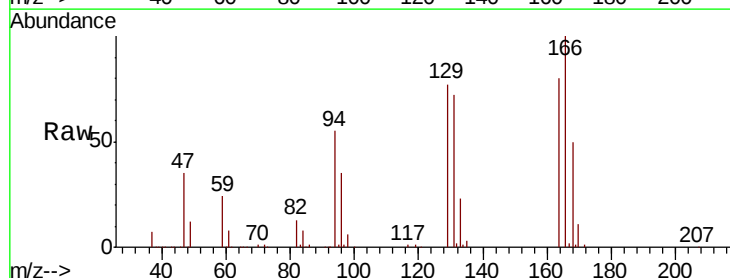
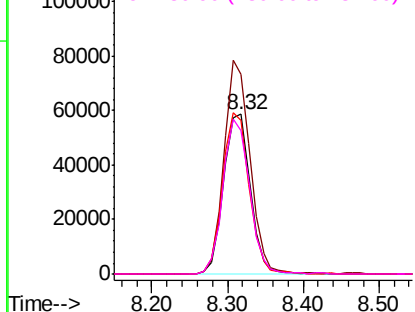
Abundance

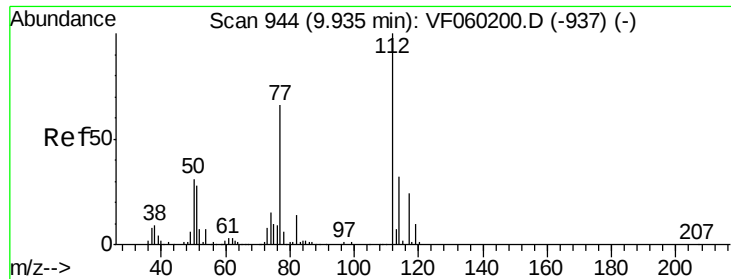
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





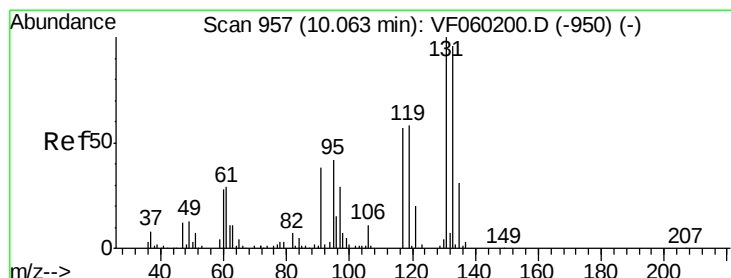
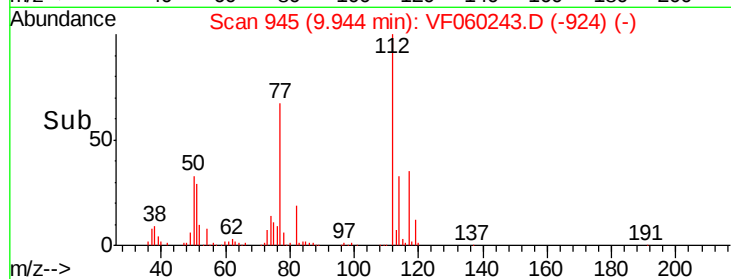
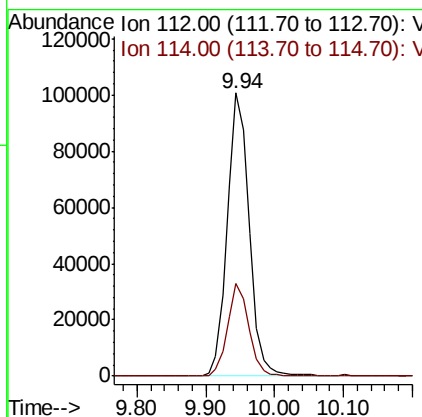
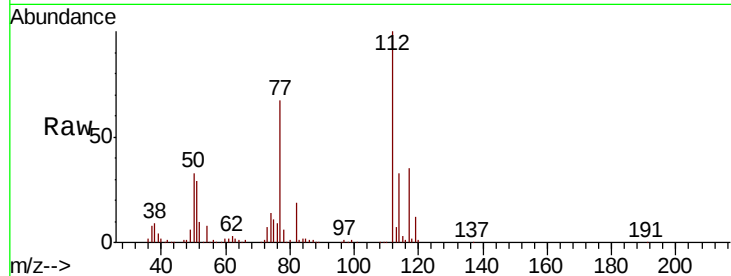
#65
Chlorobenzene
Concen: 51.70 ug/l
RT: 9.94 min Scan# 945
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.7	38.5

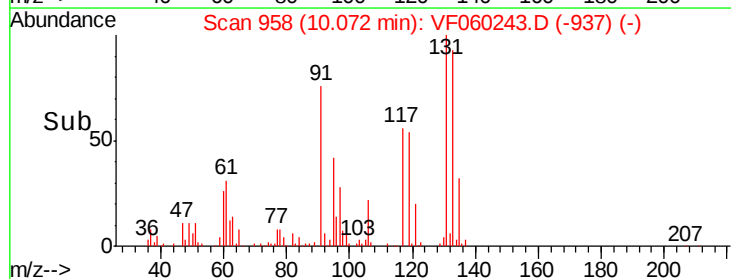
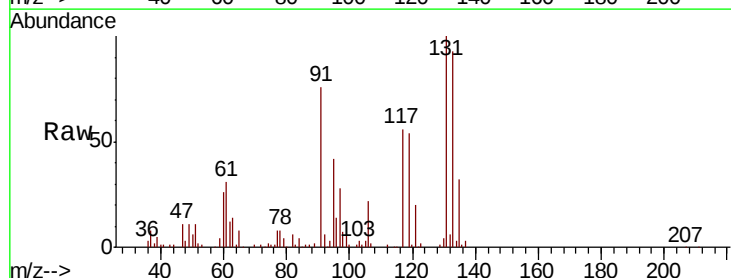
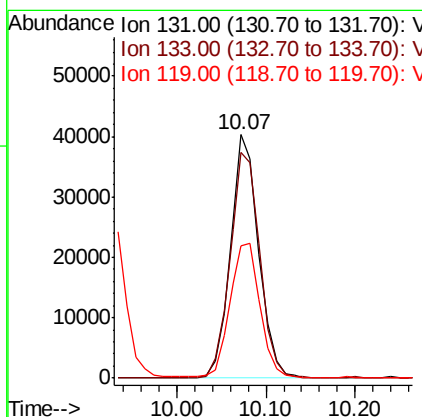
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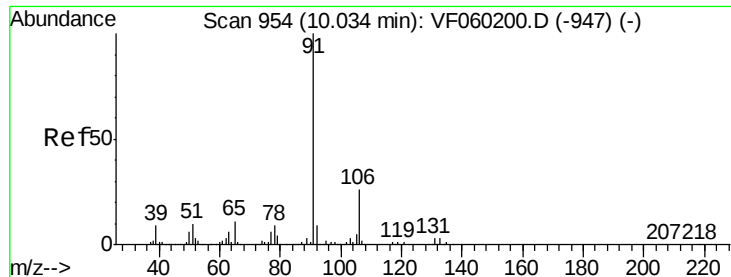
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.78 ug/l
RT: 10.07 min Scan# 958
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.9	47.9	143.8
119	54.1	29.0	87.0





#67

Ethyl Benzene

Concen: 51.36 ug/l

RT: 10.04 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

Tot Ion: 91 Resp: 412499

Ion Ratio Lower Upper

91 100

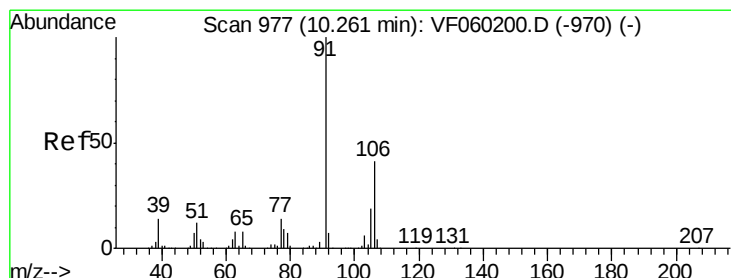
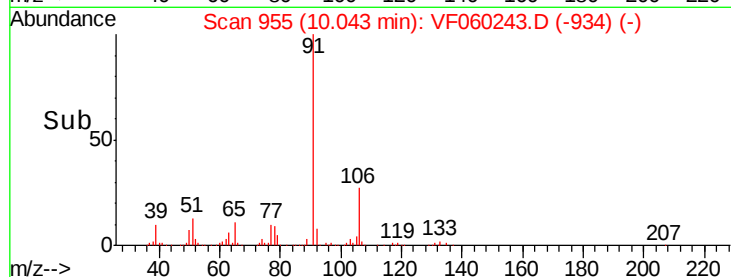
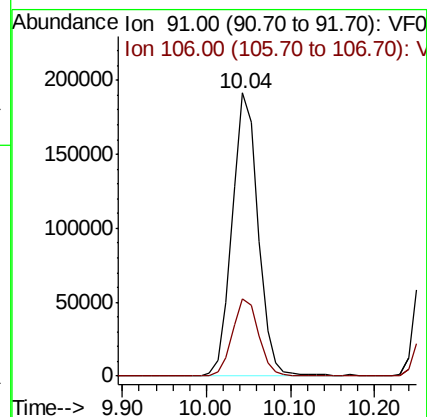
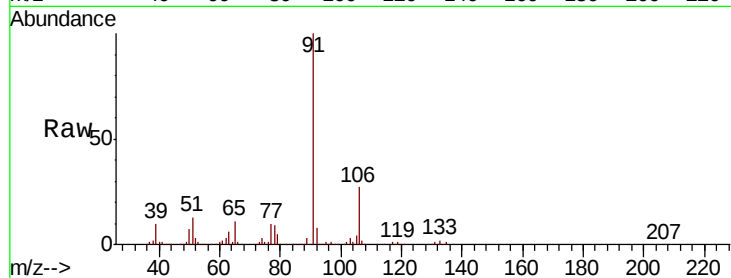
106 27.1 21.1 31.7

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#68

m/p-Xylenes

Concen: 106.69 ug/l

RT: 10.28 min Scan# 979

Delta R.T. 0.02 min

Lab File: VF060243.D

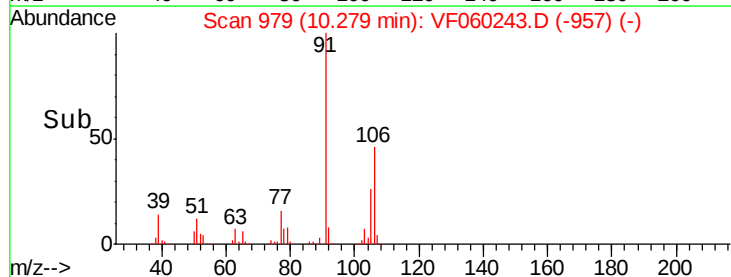
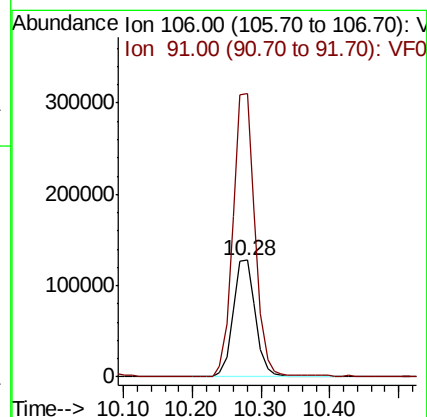
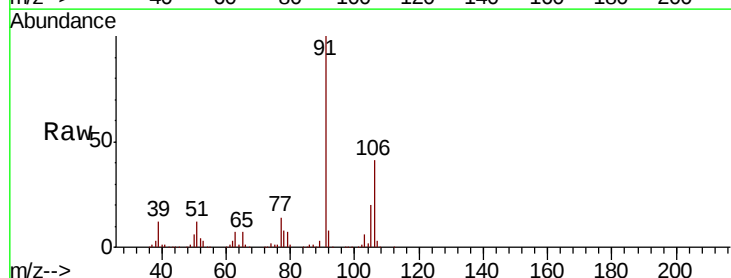
Acq: 10 Sep 2018 19:05

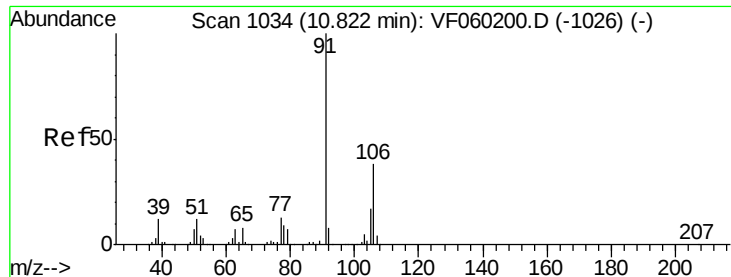
Tgt Ion: 106 Resp: 287531

Ion Ratio Lower Upper

106 100

91 242.0 194.6 291.8





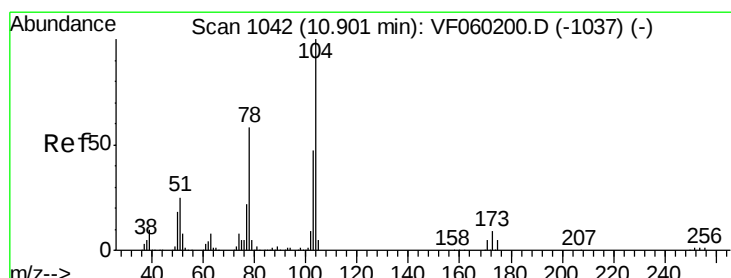
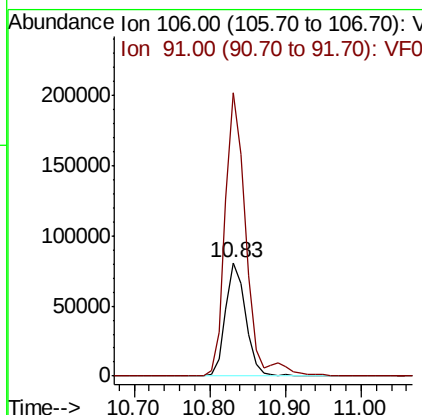
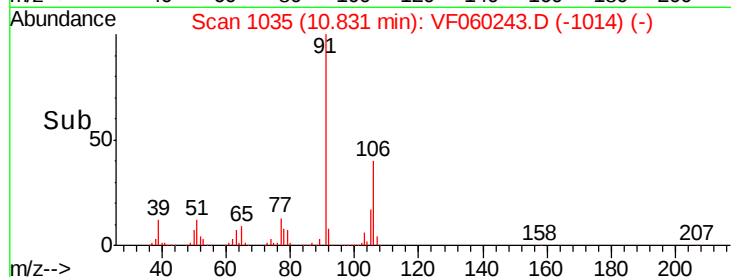
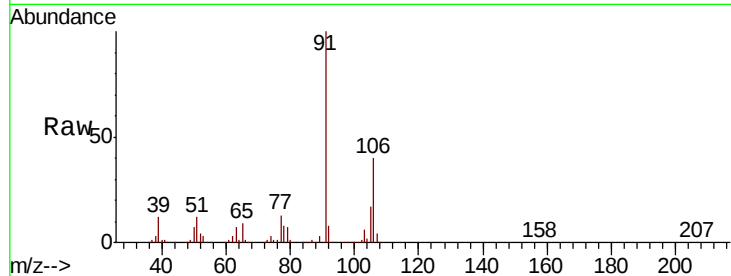
#69
o-Xylene
Concen: 52.25 ug/l
RT: 10.83 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	150189		
91	91	249.7	130.5	391.5	

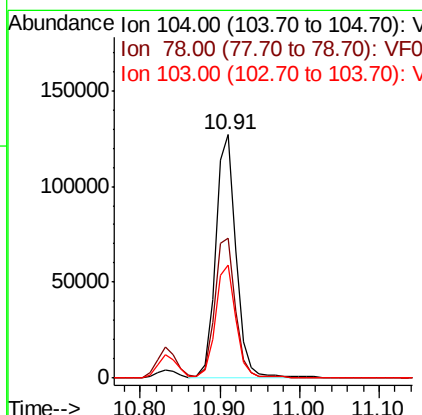
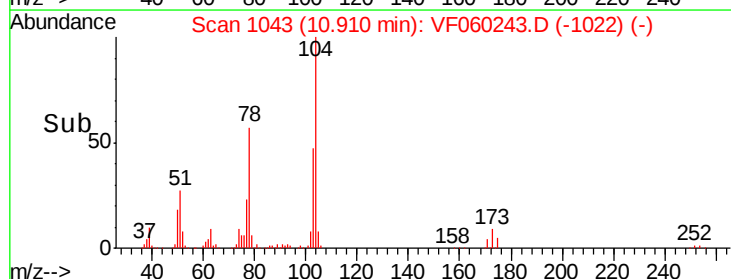
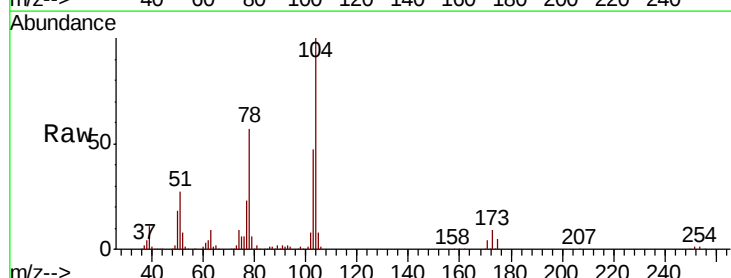
Manual Integrations
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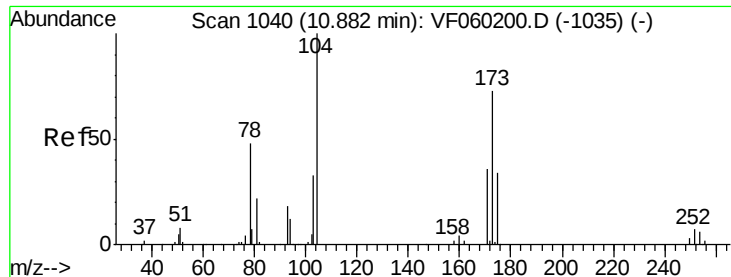
apatel
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#70
Styrene
Concen: 52.52 ug/l
RT: 10.91 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	228838		
78	78	57.4	47.1	70.7	
103	103	46.5	38.6	57.8	





#71

Bromoform

Concen: 51.65 ug/l

RT: 10.89 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

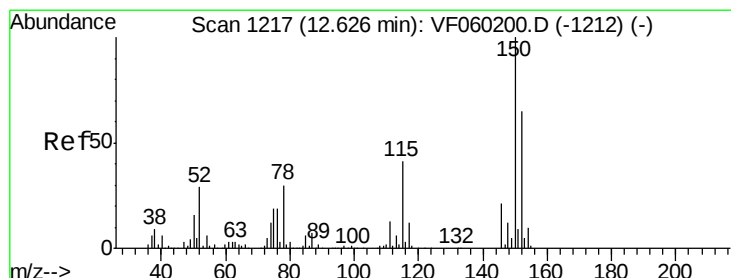
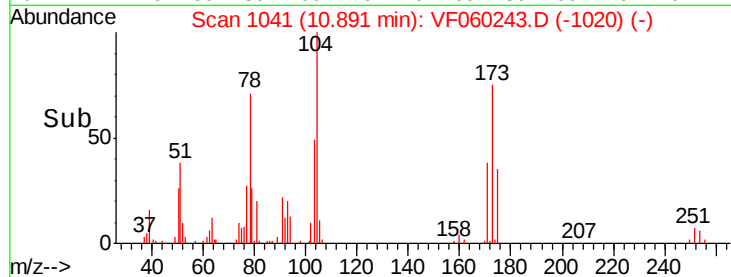
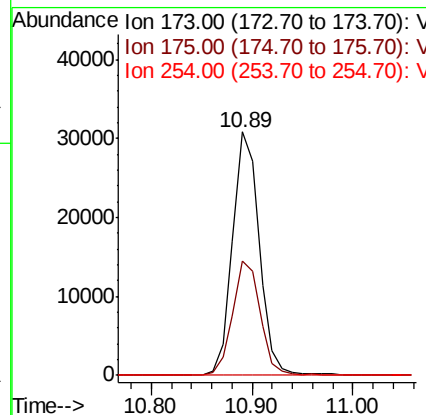
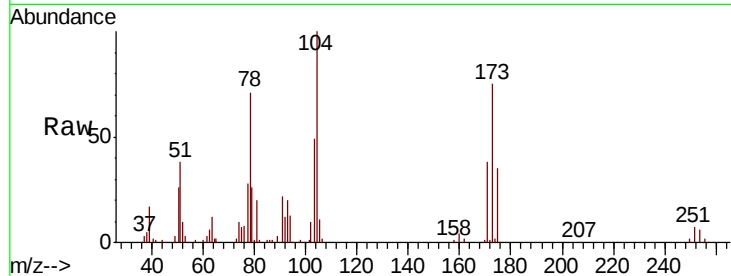
ClientSampleId :

J4803-17MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	23.1	69.3
254	0.0	0.2	0.4

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

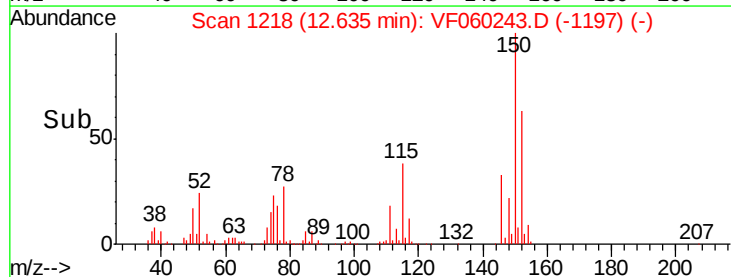
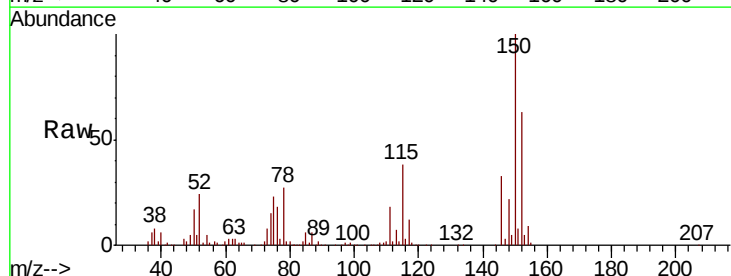
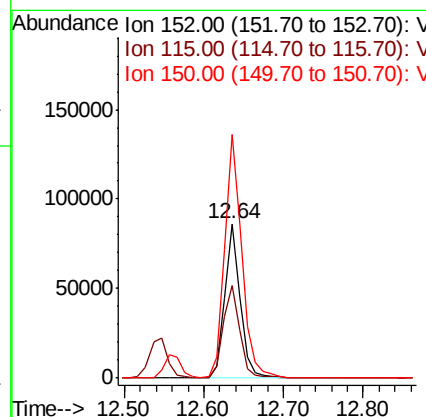
RT: 12.64 min Scan# 1218

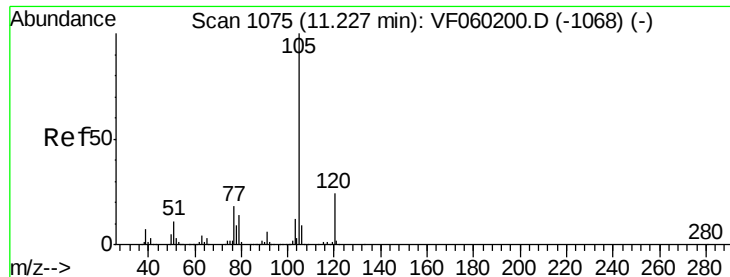
Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	31.5	94.5
150	157.8	0.0	310.4





#73

Isopropylbenzene

Concen: 59.26 ug/l

RT: 11.24 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

Tot Ion:105 Resp: 489984

Ion Ratio Lower Upper

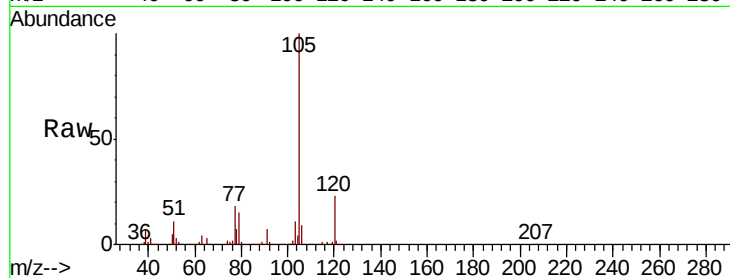
105 100

120 23.3 11.8 35.3

Manual Integrations
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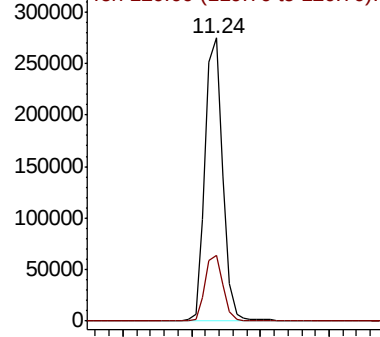
apatel

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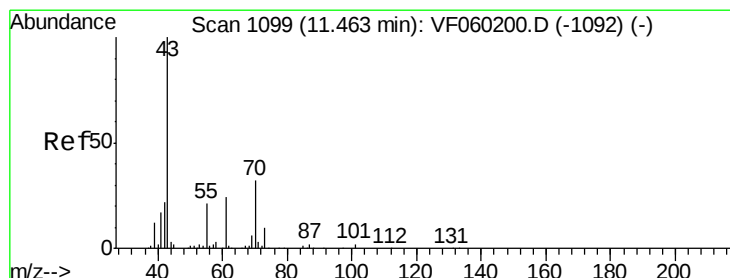
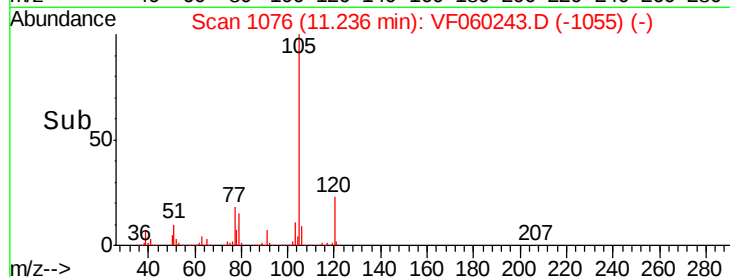


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 33.15 ug/l

RT: 11.47 min Scan# 1100

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Tgt Ion: 43 Resp: 51637

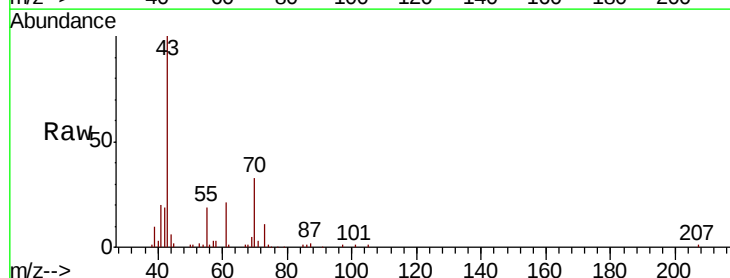
Ion Ratio Lower Upper

43 100

70 33.2 25.8 38.6

55 19.3 16.8 25.2

61 21.3 18.9 28.3

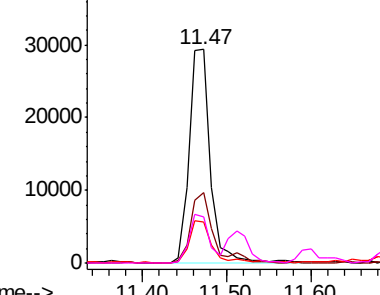


Abundance Ion 43.00 (42.70 to 43.70): VF0

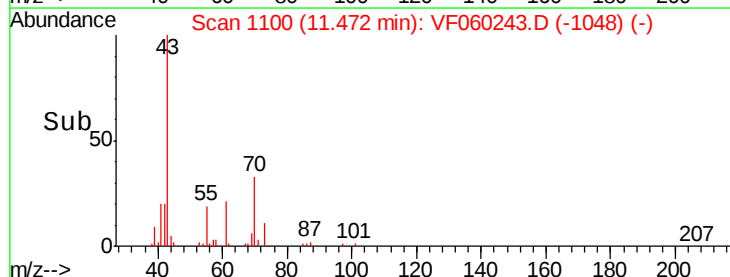
Ion 70.00 (69.70 to 70.70): VF0

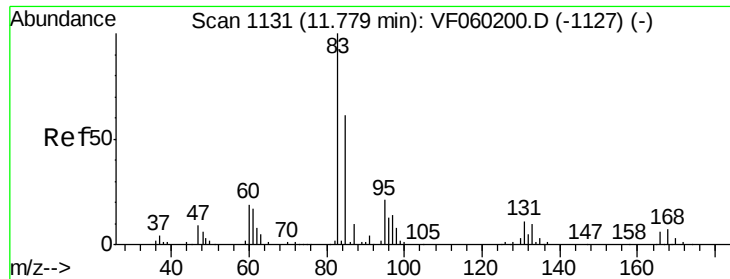
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 1.91 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

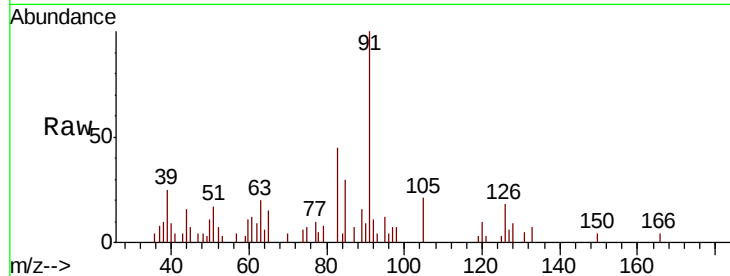
ClientSampleId :

J4803-17MSD

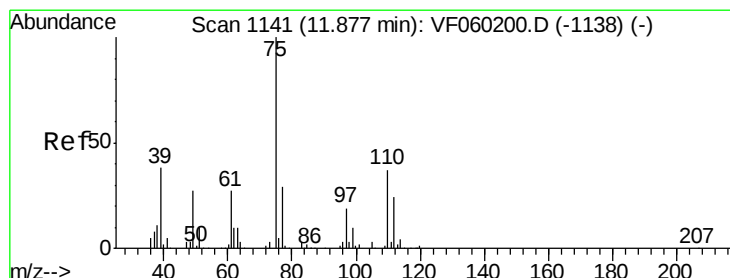
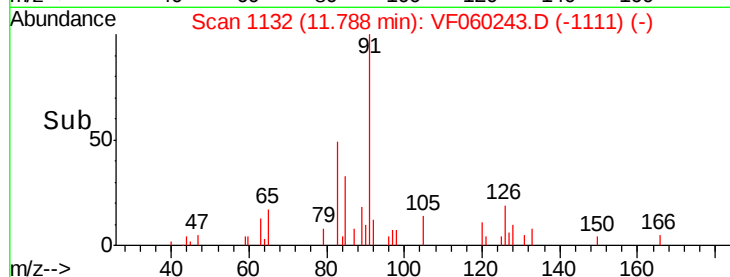
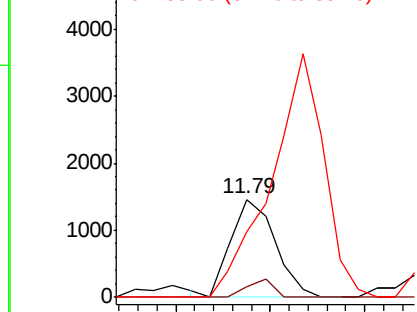
Tot Ion:	83	Resp:	2378
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.5	16.4
85	66.7	31.1	93.5

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 44.83 ug/l

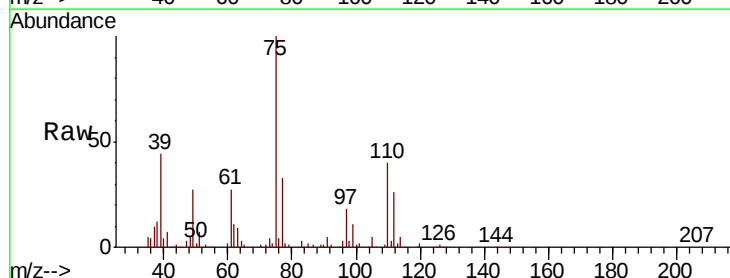
RT: 11.89 min Scan# 1142

Delta R.T. 0.01 min

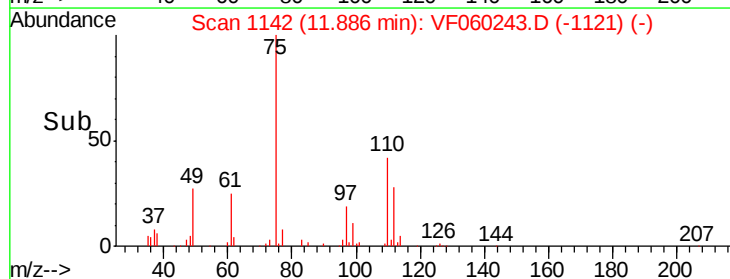
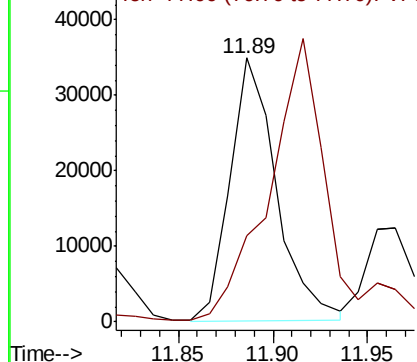
Lab File: VF060243.D

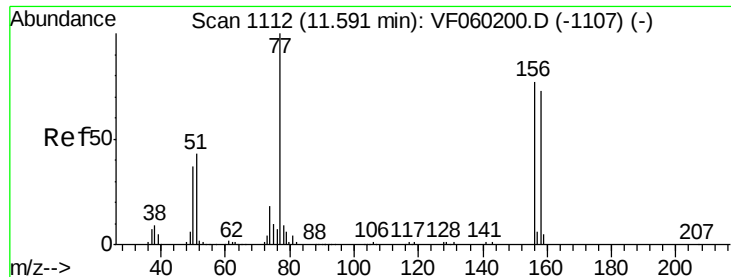
Acq: 10 Sep 2018 19:05

Tgt Ion:	75	Resp:	59061
Ion Ratio	Lower	Upper	
75	100		
77	32.7	14.6	43.8



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 52.42 ug/l

RT: 11.60 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

Tot Ion: 156 Resp: 113502

Ion Ratio Lower Upper

156 100

77 136.0 64.8 194.3

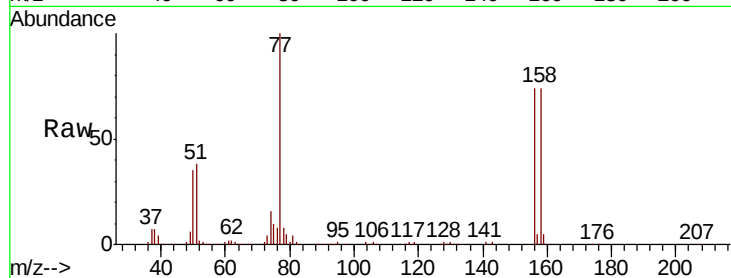
158 101.1 47.3 141.8

Manual Integrations

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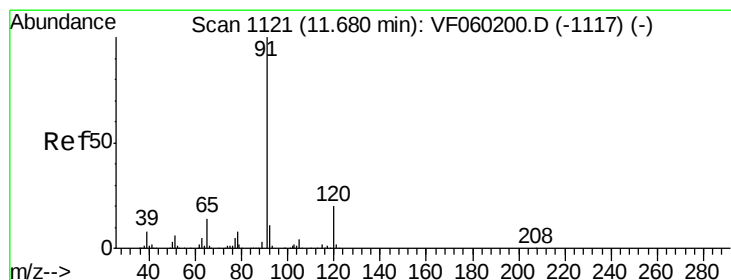
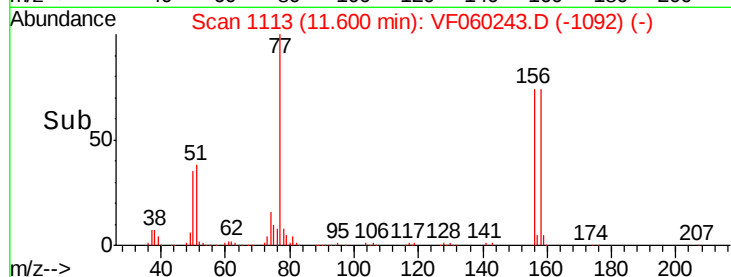
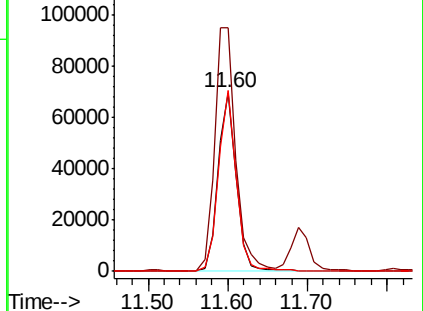
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 54.36 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF060243.D

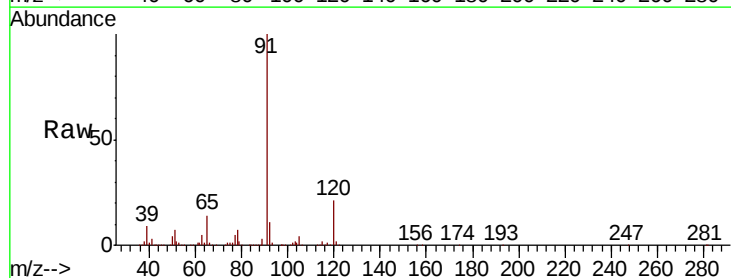
Acq: 10 Sep 2018 19:05

Tgt Ion: 91 Resp: 538541

Ion Ratio Lower Upper

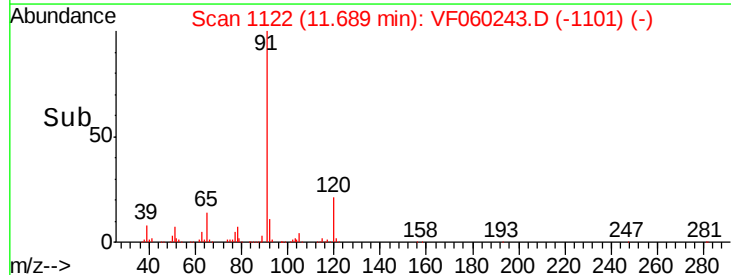
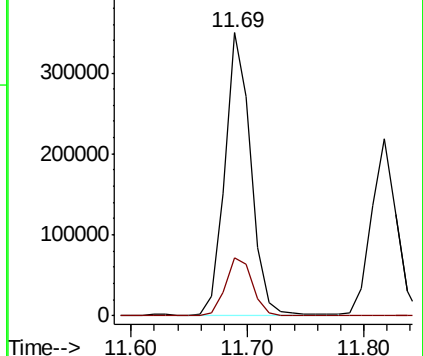
91 100

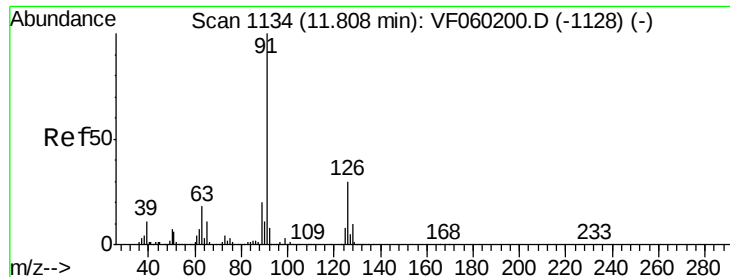
120 20.6 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.02 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

Tot Ion: 91 Resp: 323347

Ion Ratio Lower Upper

91 100

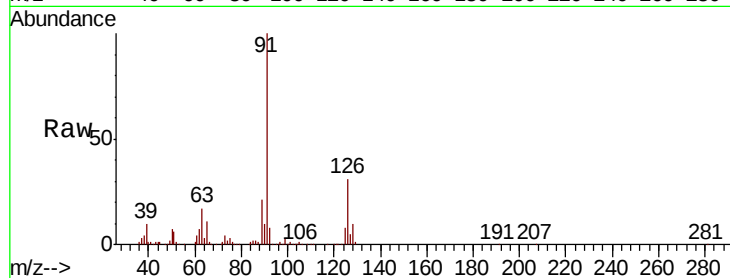
126 30.9 15.2 45.5

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Abundance Ion 91.00 (90.70 to 91.70): VF060200.D (-1128) (-)

Ion 126.00 (125.70 to 126.70): VF060200.D (-1128) (-)

250000

200000

150000

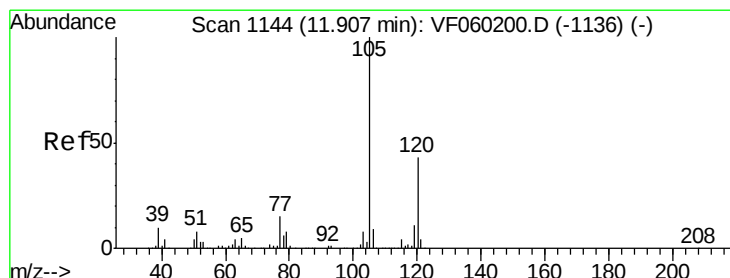
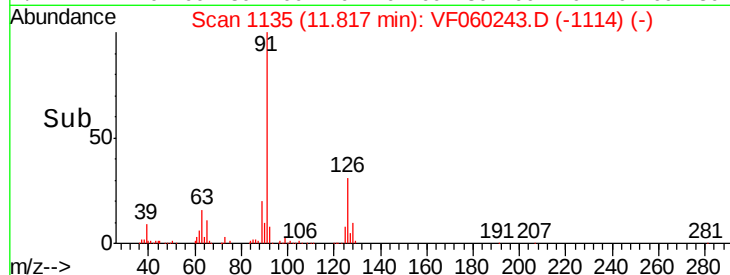
100000

50000

0

11.75 11.80 11.85 11.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 55.03 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF060243.D

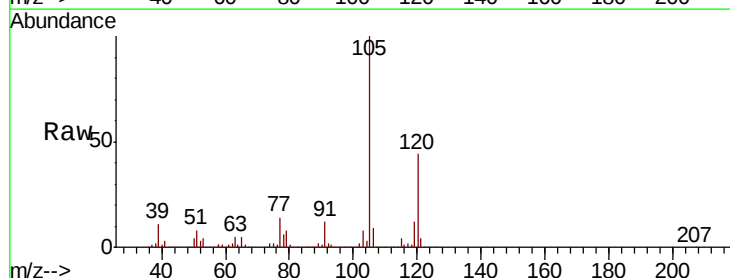
Acq: 10 Sep 2018 19:05

Tgt Ion: 105 Resp: 401652

Ion Ratio Lower Upper

105 100

120 44.4 21.6 64.8



Abundance Ion 105.00 (104.70 to 105.70): VF060200.D (-1136) (-)

Ion 120.00 (119.70 to 120.70): VF060200.D (-1136) (-)

300000

250000

200000

150000

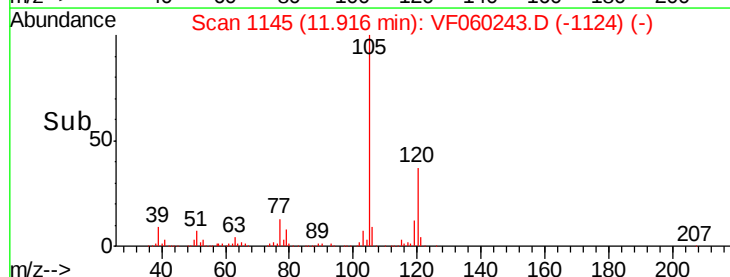
100000

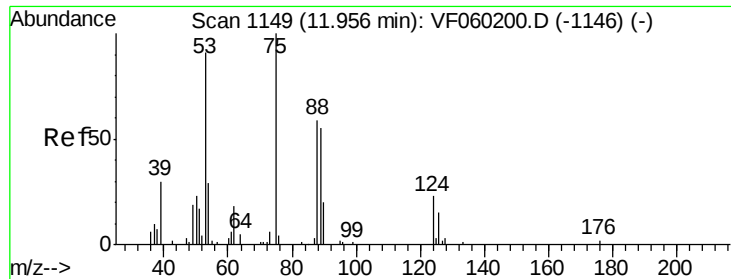
50000

0

11.80 11.90 12.00

Time-->





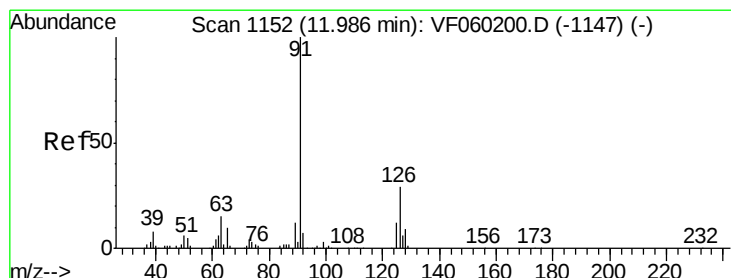
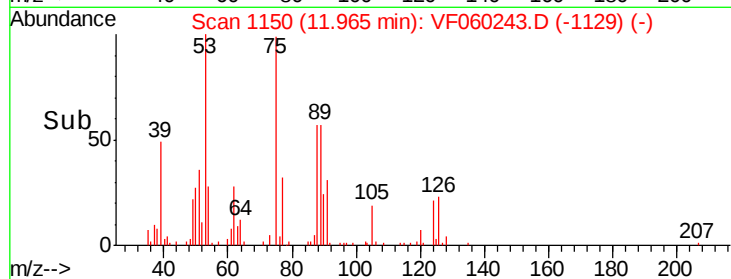
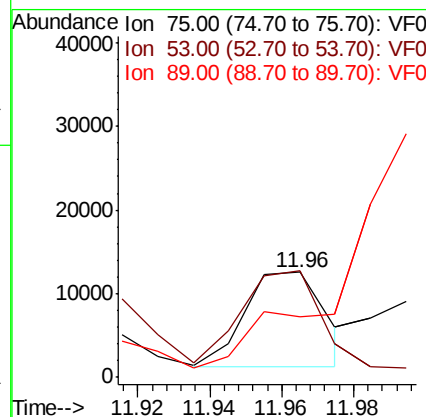
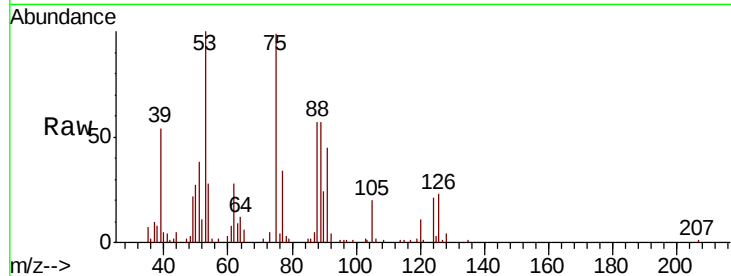
#81
trans-1,4-Dichloro-2-butene
Concen: 56.54 ug/l m
RT: 11.96 min Scan# 1150
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.3	76.5	114.7
89	57.3	46.5	69.7

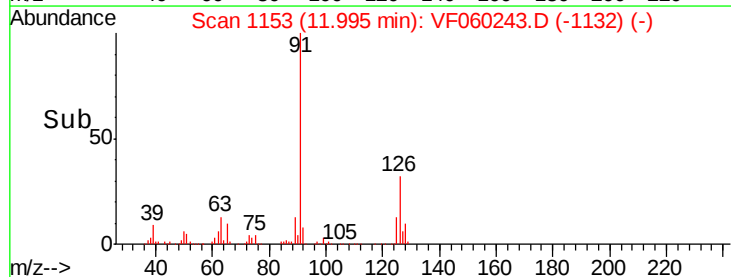
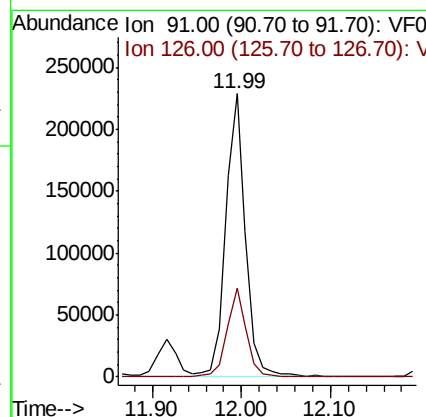
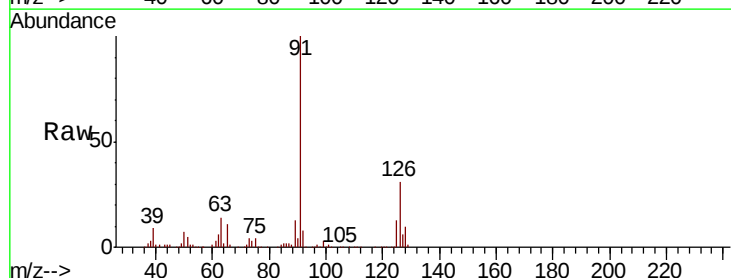
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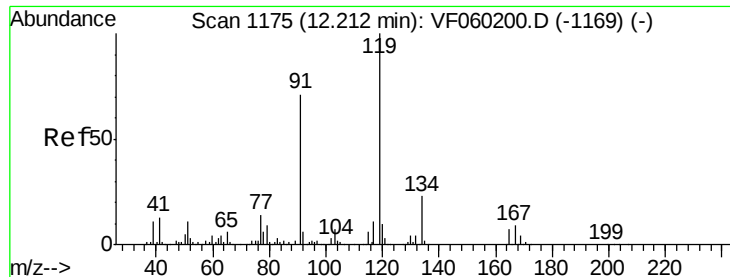
apatel
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#82
4-Chlorotoluene
Concen: 53.13 ug/l
RT: 11.99 min Scan# 1153
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	14.4	43.4





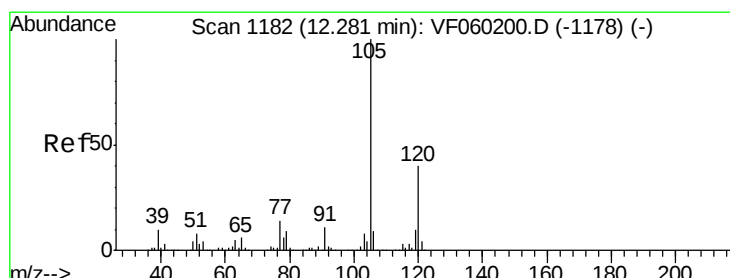
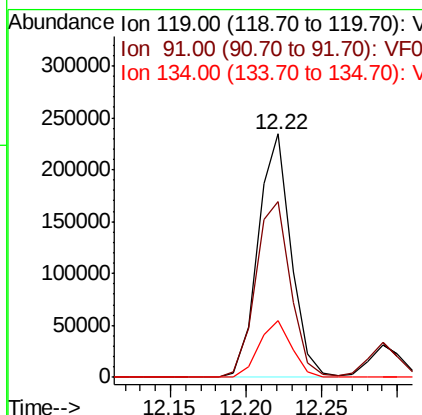
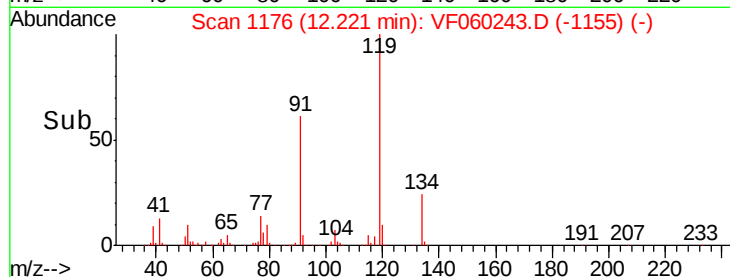
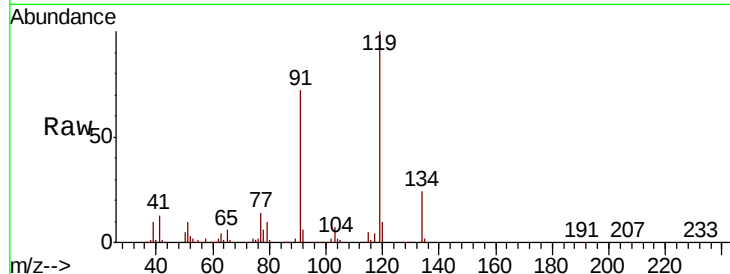
#83
 tert-Butylbenzene
 Concen: 53.67 ug/l
 RT: 12.22 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.4	35.8	107.4
134	23.5	11.6	34.7

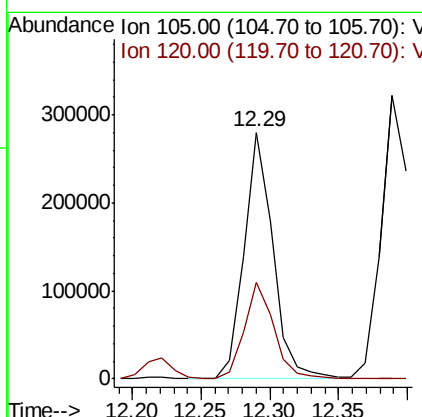
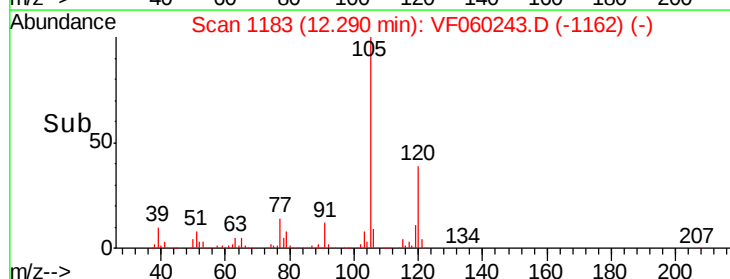
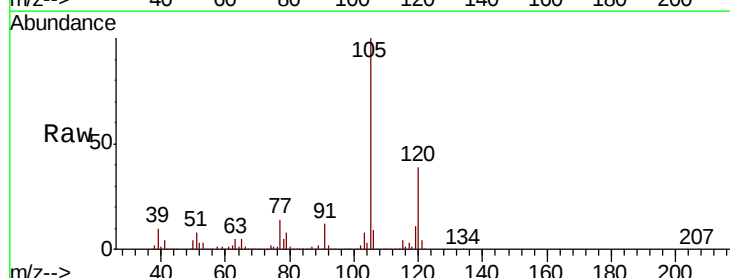
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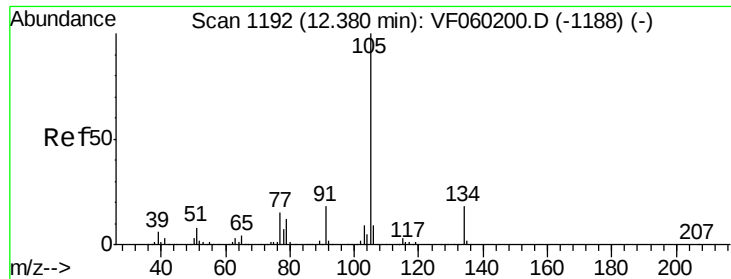
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.47 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	38.9	20.2	60.5





#85

sec-Butylbenzene

Concen: 52.08 ug/l

RT: 12.39 min Scan# 1193

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

J4803-17MSD

Tot Ion:105 Resp: 477844

Ion Ratio Lower Upper

105 100

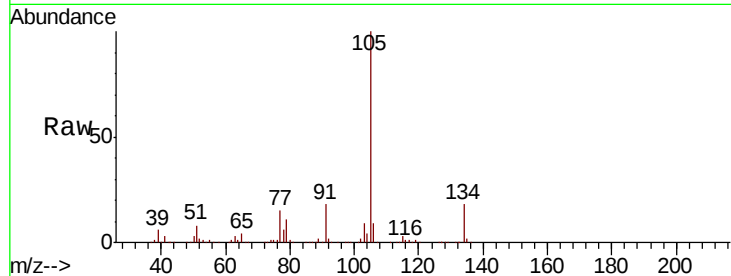
134 18.3 8.8 26.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.39

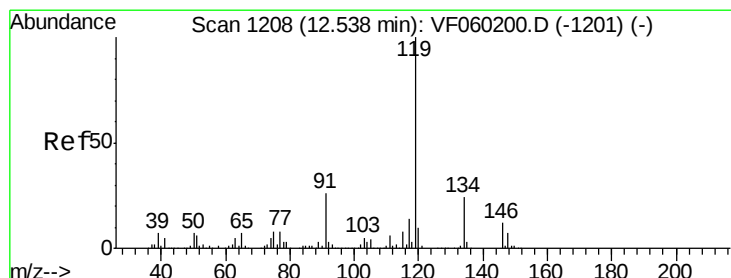
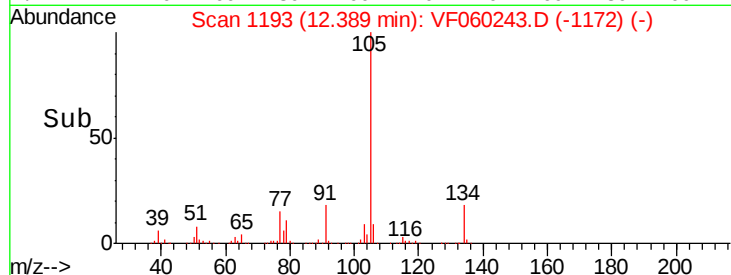
300000

200000

100000

0

Time--> 12.30 12.40 12.50



#86

p-Isopropyltoluene

Concen: 53.15 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF060243.D

Acq: 10 Sep 2018 19:05

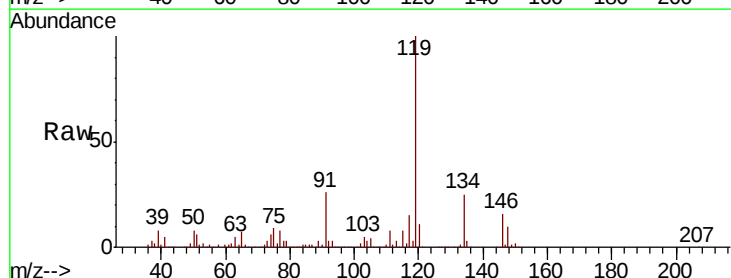
Tgt Ion:119 Resp: 433032

Ion Ratio Lower Upper

119 100

134 24.5 12.0 36.0

91 25.9 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.55

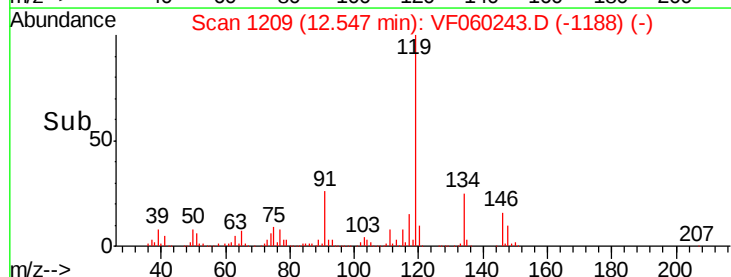
300000

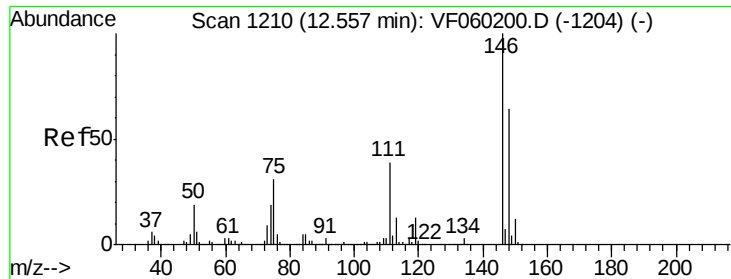
200000

100000

0

Time--> 12.50 12.60





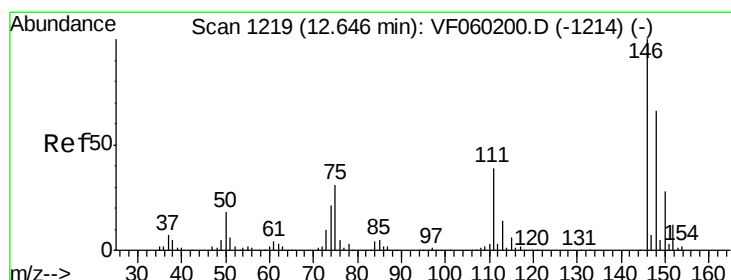
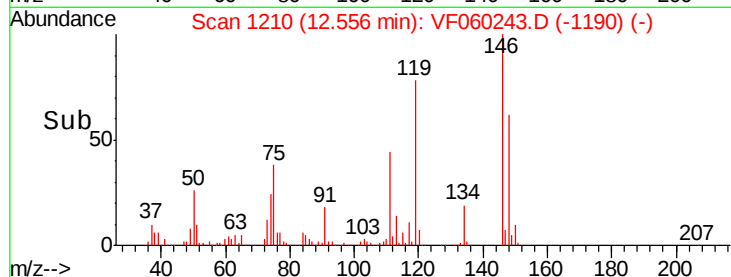
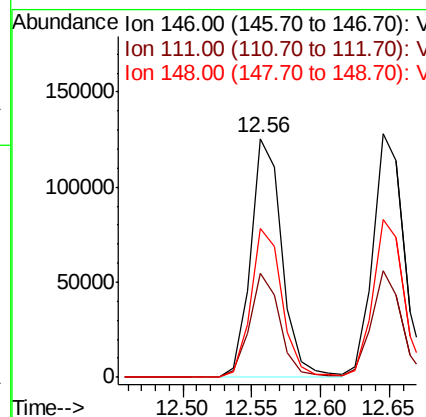
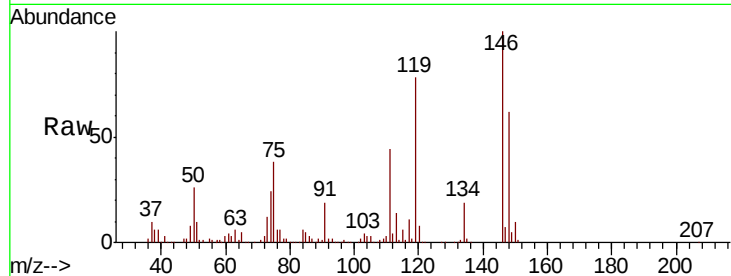
#87
 1,3-Dichlorobenzene
 Concen: 50.62 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	200264		
111	43.7	19.7	59.1	
148	62.2	32.0	96.0	

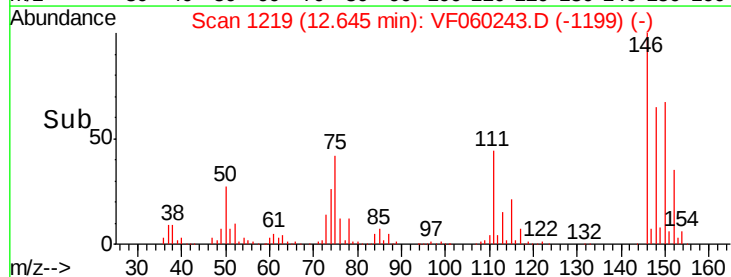
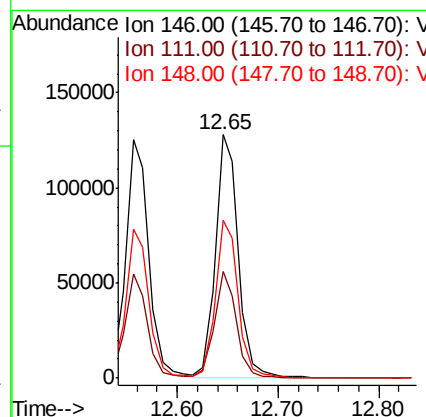
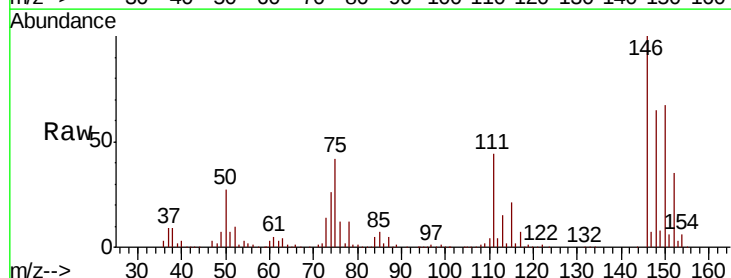
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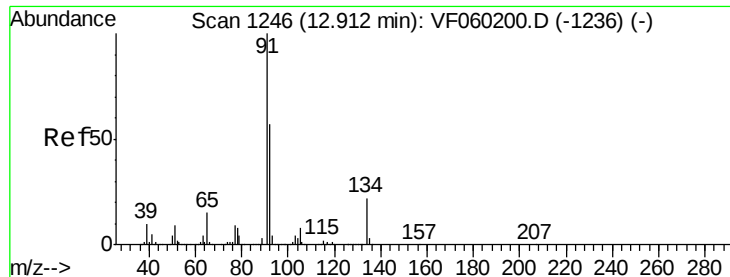
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#88
 1,4-Dichlorobenzene
 Concen: 51.66 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	202276		
111	43.8	19.7	59.1	
148	64.9	33.1	99.5	





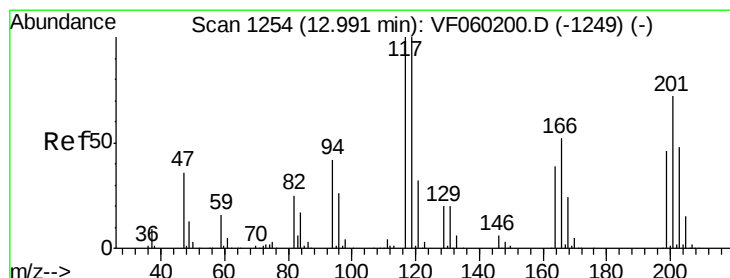
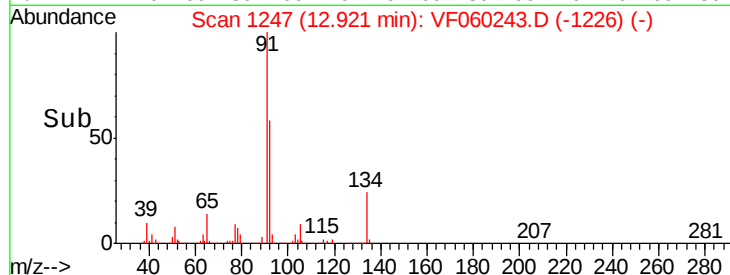
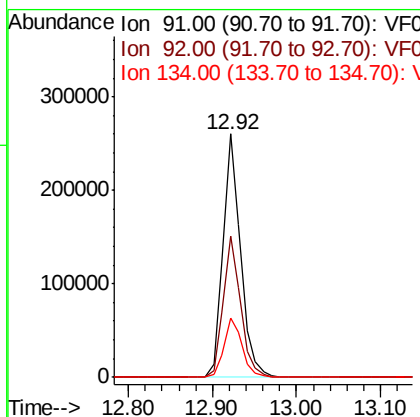
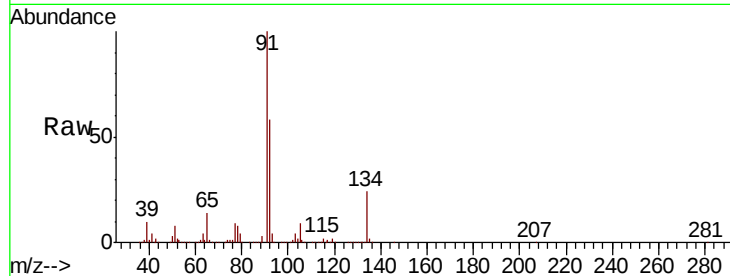
#89
n-Butylbenzene
Concen: 47.83 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.1	28.4	85.3
134	24.2	11.1	33.3

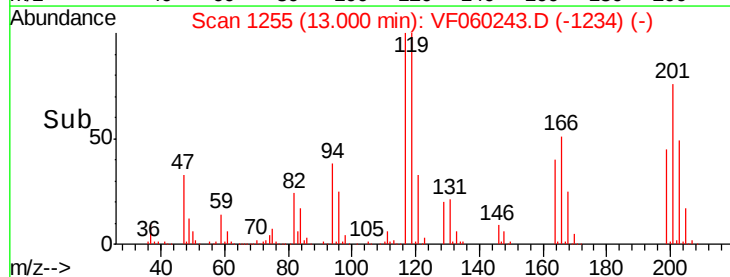
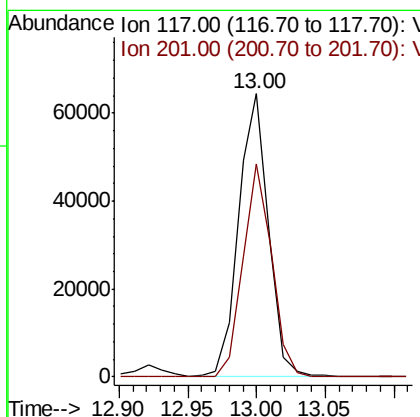
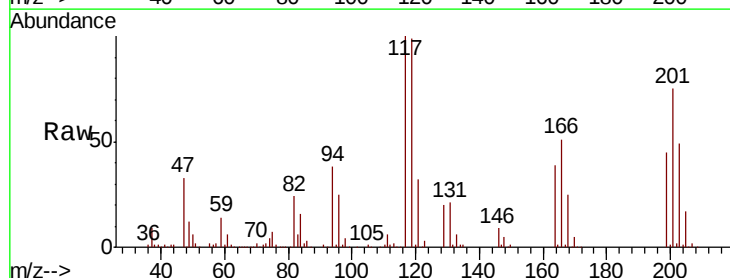
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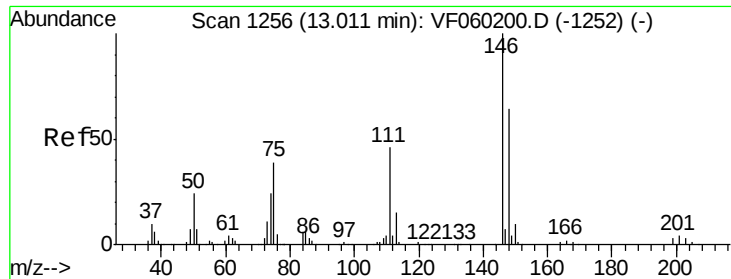
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#90
Hexachloroethane
Concen: 58.80 ug/l
RT: 13.00 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.5	35.7	107.1





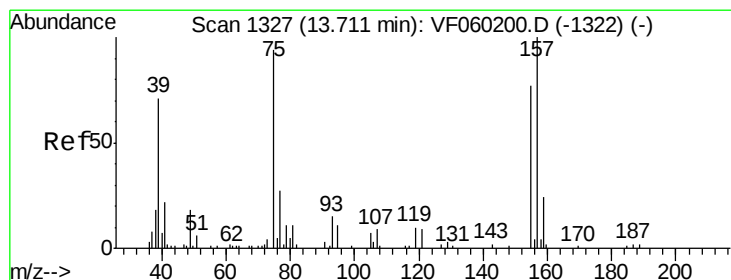
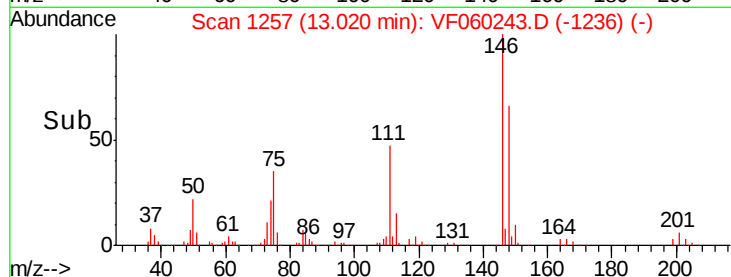
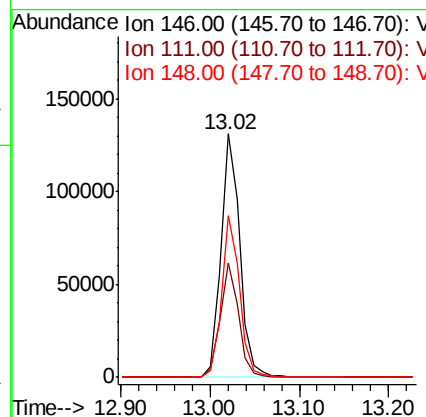
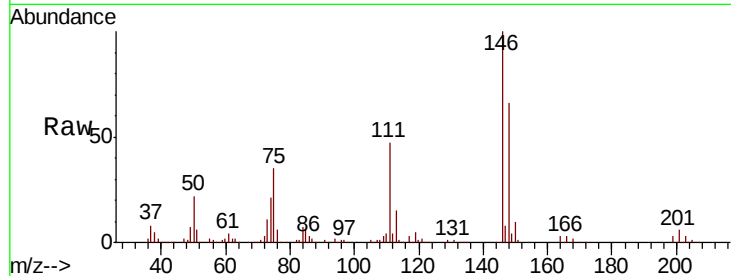
#91
 1,2-Dichlorobenzene
 Concen: 51.81 ug/l
 RT: 13.02 min Scan# 1257
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.0	69.0
148	66.4	32.2	96.6

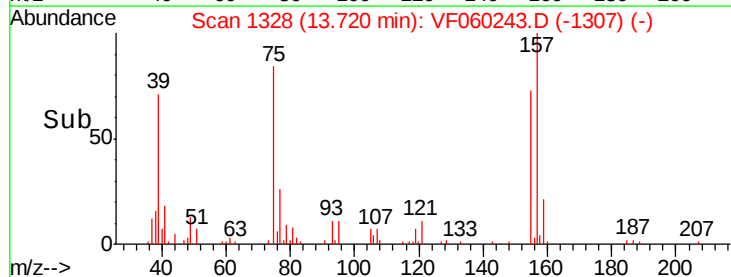
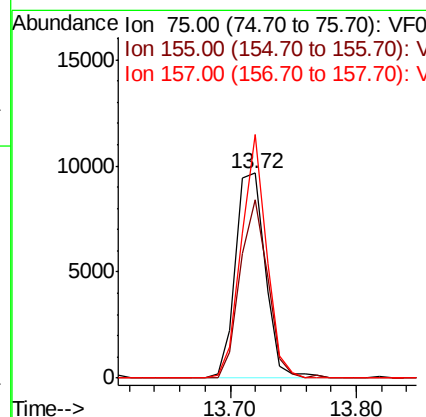
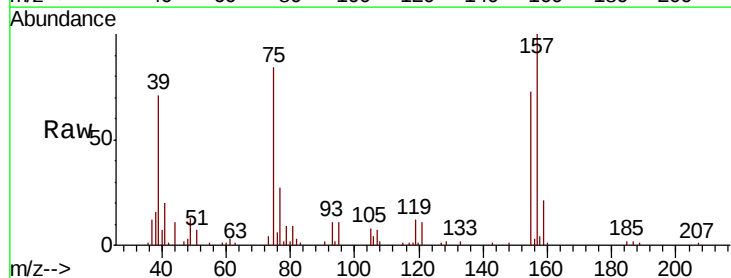
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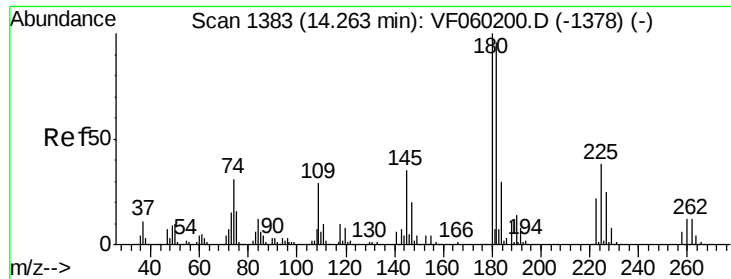
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.91 ug/l
 RT: 13.72 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	40.8	122.5
157	123.1	53.3	159.9





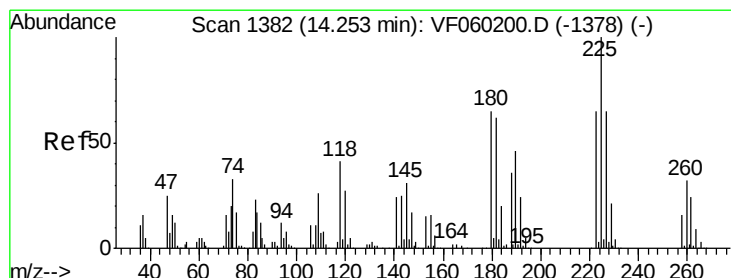
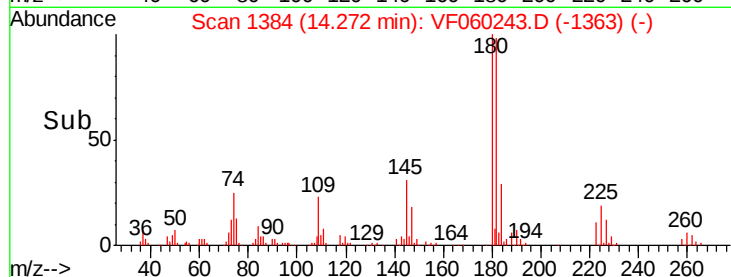
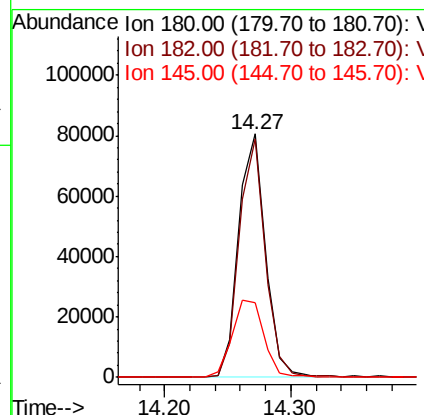
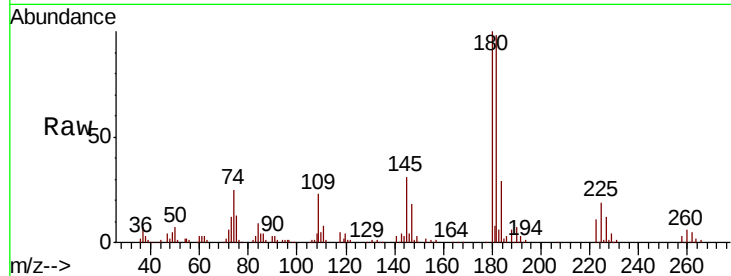
#93
 1,2,4-Trichlorobenzene
 Concen: 40.88 ug/l
 RT: 14.27 min Scan# 1384
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Instrument :
 MSVOA_F
 ClientSampleId :
 J4803-17MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	48.2	144.6
145	30.8	17.4	52.2

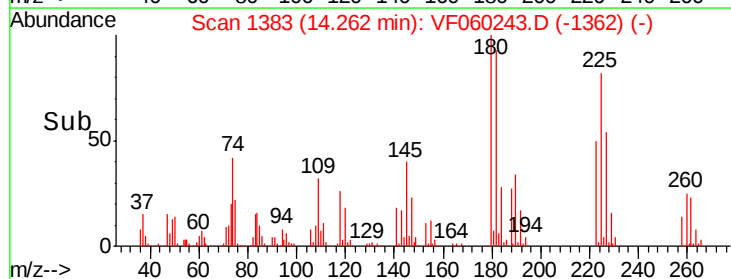
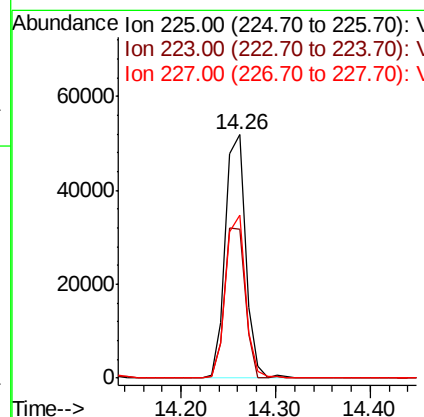
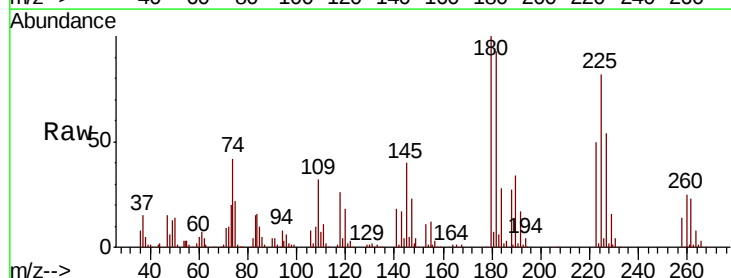
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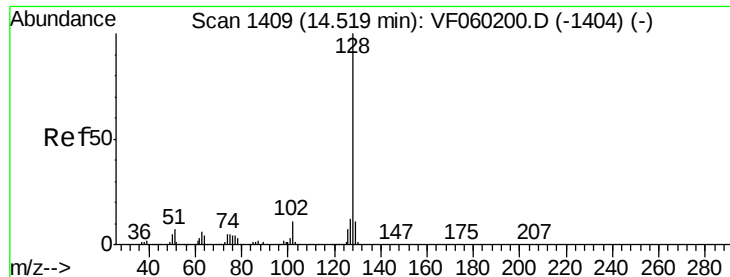
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#94
 Hexachlorobutadiene
 Concen: 37.51 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.01 min
 Lab File: VF060243.D
 Acq: 10 Sep 2018 19:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	32.3	96.8
227	66.8	32.4	97.0





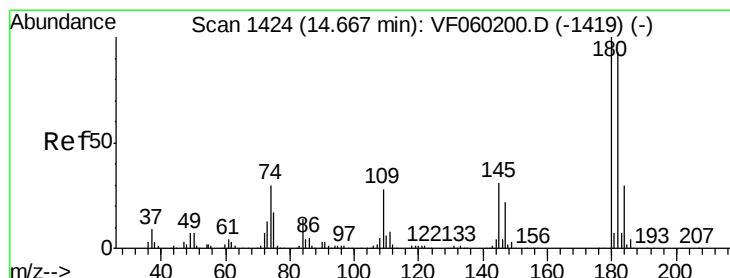
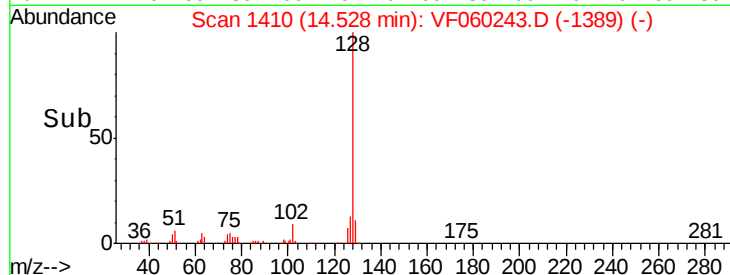
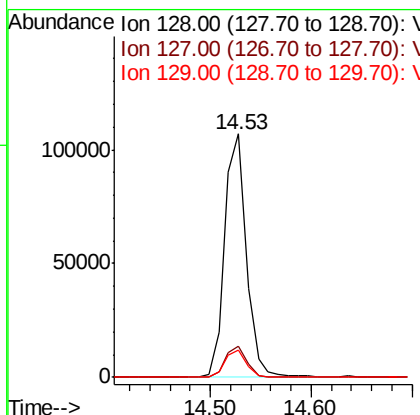
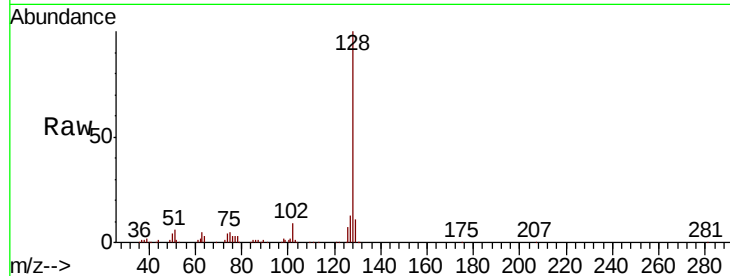
#95
Naphthalene
Concen: 36.25 ug/l
RT: 14.53 min Scan# 1410
Delta R.T. 0.01 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :
J4803-17MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	160888		
127	12.9		9.9	14.9
129	11.2		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 40.90 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. -0.00 min
Lab File: VF060243.D
Acq: 10 Sep 2018 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	111459		
182	92.2		46.6	139.7
145	33.5		15.7	47.0

