

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF083018\
 Data File : VF060189.D
 Acq On : 29 Aug 2018 14:40
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 8/30/2018 3:00:36 PM

Quant Time: Aug 30 04:18:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F083018S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 04:14:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	184832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	275890	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	286993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	179494	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	15135	4.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.70%	
35) Dibromofluoromethane	4.29	113	13015	4.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.98%	
50) Toluene-d8	7.71	98	31539	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
62) 4-Bromofluorobenzene	11.51	95	19114	4.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	17704	4.93	ug/l	94
3) Chloromethane	1.07	50	11573	5.60	ug/l	98
4) Vinyl Chloride	1.12	62	8499	5.59	ug/l	97
5) Bromomethane	1.32	94	8673	6.49	ug/l	99
6) Chloroethane	1.40	64	4187	4.89	ug/l	91
7) Trichlorofluoromethane	1.49	101	22863	5.57	ug/l	96
8) Diethyl Ether	1.70	74	2700	4.53	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.86	101	10329	5.31	ug/l	88
10) Methyl Iodide	1.93	142	8455	5.06	ug/l	92
11) Tert butyl alcohol	2.67	59	4186	23.80	ug/l #	84
12) 1,1-Dichloroethene	1.83	96	6297	4.88	ug/l	98
13) Acrolein	2.09	56	2567	26.20	ug/l	93
14) Allyl chloride	2.18	41	10314	5.05	ug/l	99
15) Acrylonitrile	3.08	53	6331	25.08	ug/l #	78
16) Acetone	2.34	43	22466	27.29	ug/l #	92
17) Carbon Disulfide	1.84	76	20843	4.95	ug/l #	93
18) Methyl Acetate	2.45	43	6937	5.40	ug/l #	92
19) Methyl tert-butyl Ether	2.54	73	20655	4.60	ug/l	99
20) Methylene Chloride	2.28	84	11972	7.07	ug/l #	92
21) trans-1,2-Dichloroethene	2.41	96	6862	4.86	ug/l #	73
22) Diisopropyl ether	2.92	45	22651	4.75	ug/l	97
23) Vinyl Acetate	3.34	43	59156	19.87	ug/l #	95
24) 1,1-Dichloroethane	2.99	63	15164	4.79	ug/l	98
25) 2-Butanone	4.50	43	24123	24.31	ug/l #	90
26) 2,2-Dichloropropane	3.75	77	18433	4.71	ug/l	87
27) cis-1,2-Dichloroethene	3.63	96	8544	4.36	ug/l	94
28) Bromochloromethane	3.89	49	6527	5.47	ug/l #	94
29) Tetrahydrofuran	4.25	42	8643	23.92	ug/l	93
30) Chloroform	4.04	83	22905	4.55	ug/l	88
31) Cyclohexane	3.85	56	11182	4.87	ug/l	98
32) 1,1,1-Trichloroethane	4.28	97	21970	4.64	ug/l	92
36) 1,1-Dichloropropene	4.45	75	12826	4.24	ug/l	95
37) Ethyl Acetate	4.28	43	9303	5.09	ug/l #	90
38) Carbon Tetrachloride	4.17	117	19256	4.65	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	12369	4.83	ug/l	91
40) Benzene	4.81	78	27718	4.75	ug/l #	90
41) Methacrylonitrile	4.92	41	3779	4.44	ug/l #	75
42) 1,2-Dichloroethane	5.11	62	17789	4.29	ug/l	91
43) Isopropyl Acetate	7.11	43	11713	5.29	ug/l #	95
44) Trichloroethene	5.67	130	9400	4.51	ug/l	95
45) 1,2-Dichloropropane	6.39	63	7927	4.57	ug/l	96
46) Dibromomethane	6.26	93	7069	4.35	ug/l #	83
47) Bromodichloromethane	6.55	83	17224	4.41	ug/l	97
48) Methyl methacrylate	6.87	41	7165	4.60	ug/l	94
49) 1,4-Dioxane	6.87	88	1261	92.07	ug/l #	78
51) 4-Methyl-2-Pentanone	8.40	43	60854	29.96	ug/l	95
52) Toluene	7.77	92	23147	5.29	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	15749	4.44	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	14823	4.16	ug/l #	92
55) 1,1,2-Trichloroethane	8.64	97	7840	4.39	ug/l #	88
56) Ethyl methacrylate	8.75	69	11756	5.54	ug/l #	89
57) 1,3-Dichloropropane	9.00	76	14256	4.56	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	5147	26.98	ug/l	100
59) 2-Hexanone	9.63	43	52689	32.45	ug/l	100
60) Dibromochloromethane	8.86	129	11837	4.16	ug/l	87
61) 1,2-Dibromoethane	9.13	107	10512	4.90	ug/l	83
64) Tetrachloroethene	8.31	164	11059	5.21	ug/l	96
65) Chlorobenzene	9.94	112	30848	5.20	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.07	131	11450	4.65	ug/l	77
67) Ethyl Benzene	10.04	91	53409	5.09	ug/l	99
68) m/p-Xylenes	10.27	106	37705	10.15	ug/l	95
69) o-Xylene	10.83	106	19170	4.96	ug/l	87
70) Styrene	10.90	104	29689	4.86	ug/l	95
71) Bromoform	10.89	173	7803	4.45	ug/l	92
73) Isopropylbenzene	11.22	105	59014	5.03	ug/l	99
74) N-amyl acetate	11.46	43	20509	5.81	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	12942	5.37	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	10676	5.08	ug/l	95
77) Bromobenzene	11.60	156	15708	5.05	ug/l	91
78) n-propylbenzene	11.69	91	74415	5.32	ug/l	96
79) 2-Chlorotoluene	11.82	91	42758	5.08	ug/l	84
80) 1,3,5-Trimethylbenzene	11.91	105	51297	5.09	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	3476m	4.51	ug/l	
82) 4-Chlorotoluene	11.99	91	51311	5.38	ug/l	88
83) tert-Butylbenzene	12.22	119	52401	5.34	ug/l	94
84) 1,2,4-Trimethylbenzene	12.29	105	58605	5.57	ug/l	95
85) sec-Butylbenzene	12.39	105	72584	5.54	ug/l	95
86) p-Isopropyltoluene	12.54	119	60119	5.28	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	33104	5.64	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	30425	5.33	ug/l	95
89) n-Butylbenzene	12.92	91	52463	4.74	ug/l	96
90) Hexachloroethane	13.00	117	13014	5.07	ug/l	73
91) 1,2-Dichlorobenzene	13.02	146	29592	5.27	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	13.72	75	2723	4.47	ug/l	73

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MSVOA_F
ClientSampleId :
VSTDICC005

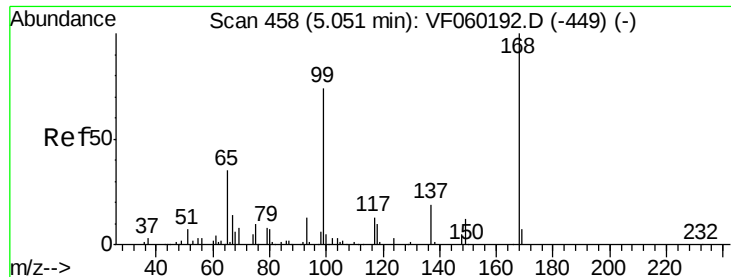
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	21359	5.16	ug/l	93
94) Hexachlorobutadiene	14.26	225	14933	5.39	ug/l	93
95) Naphthalene	14.53	128	31635	4.75	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	19983	4.88	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 184832

Ion Ratio Lower Upper

168 100

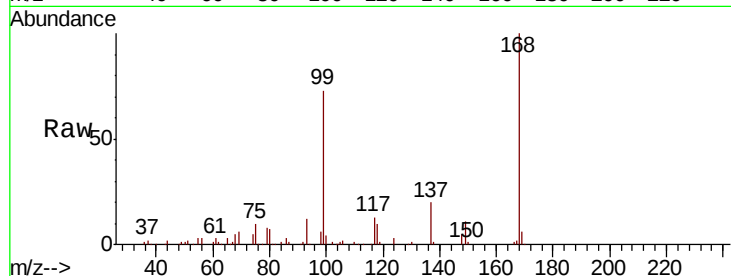
99 73.5 59.4 89.0

Manual Integrations

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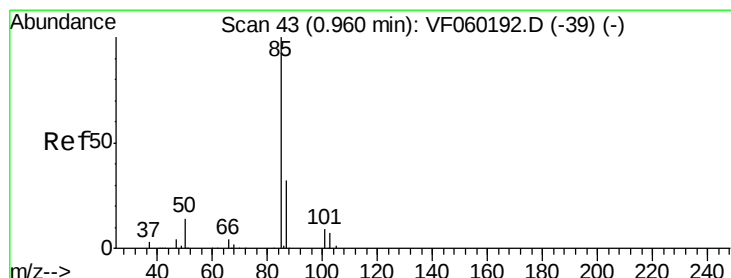
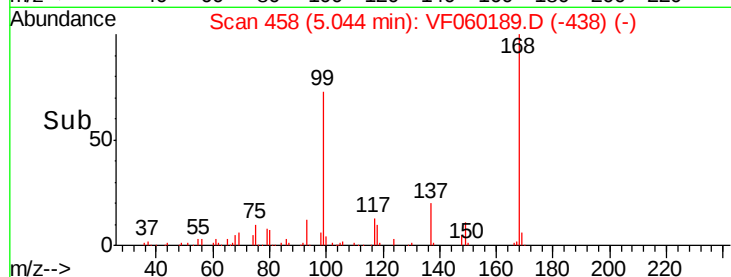
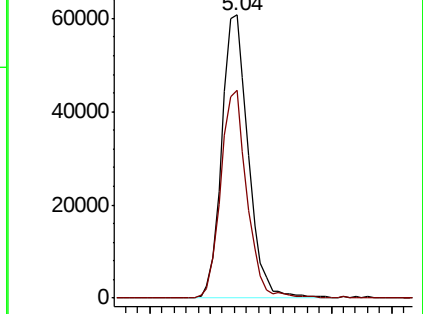
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 4.93 ug/l

RT: 0.96 min Scan# 44

Delta R.T. 0.00 min

Lab File: VF060189.D

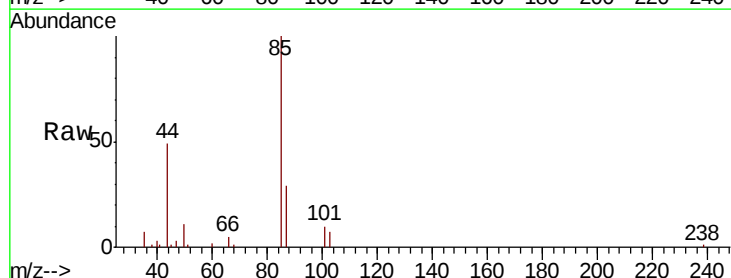
Acq: 29 Aug 2018 14:40

Tgt Ion: 85 Resp: 17704

Ion Ratio Lower Upper

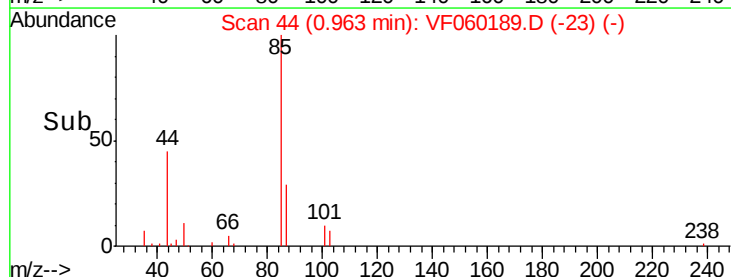
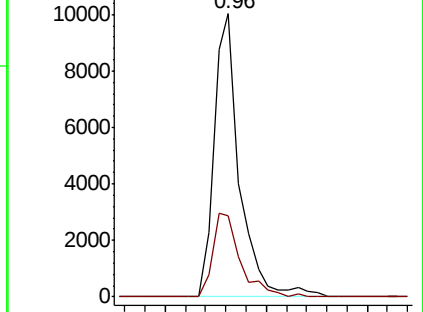
85 100

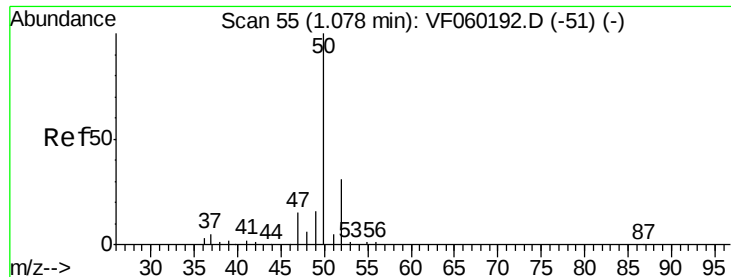
87 28.6 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 5.60 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 11573

Ion Ratio Lower Upper

50 100

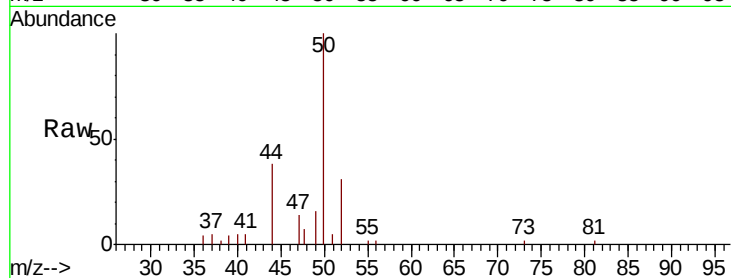
52 31.2 24.3 36.5

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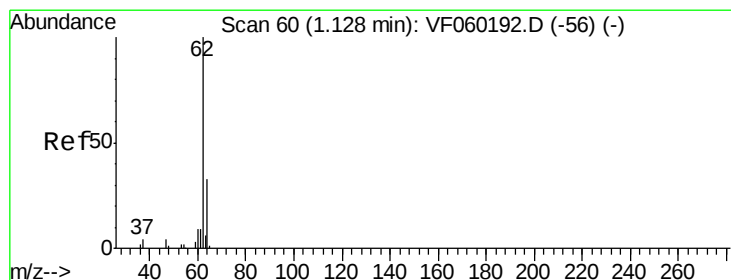
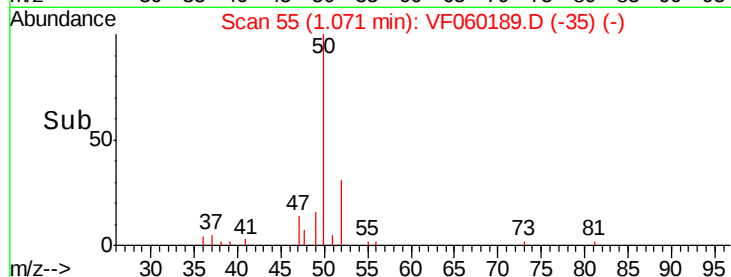
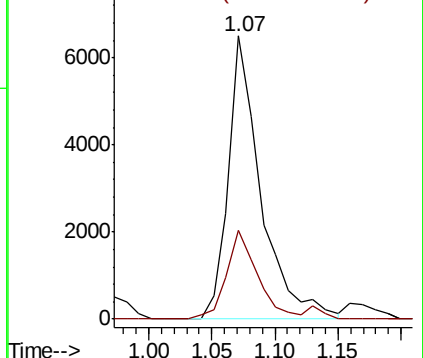
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 5.59 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.01 min

Lab File: VF060189.D

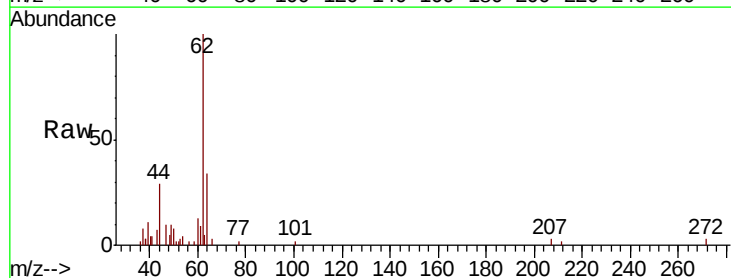
Acq: 29 Aug 2018 14:40

Tgt Ion: 62 Resp: 8499

Ion Ratio Lower Upper

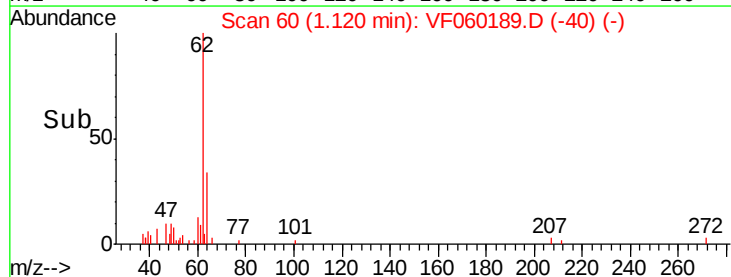
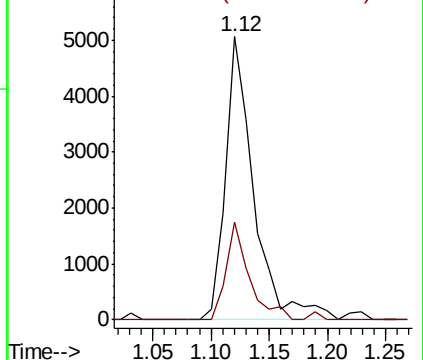
62 100

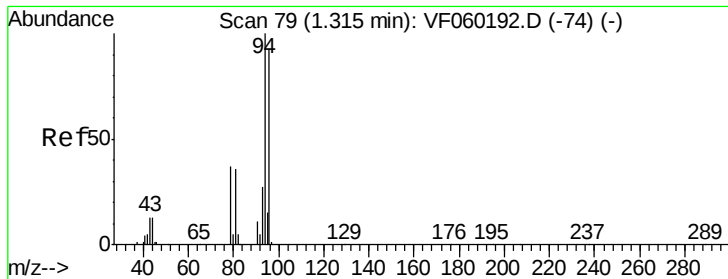
64 34.4 26.1 39.1



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 6.49 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8673

Ion Ratio Lower Upper

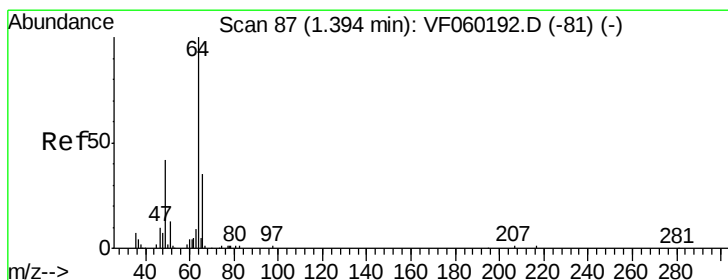
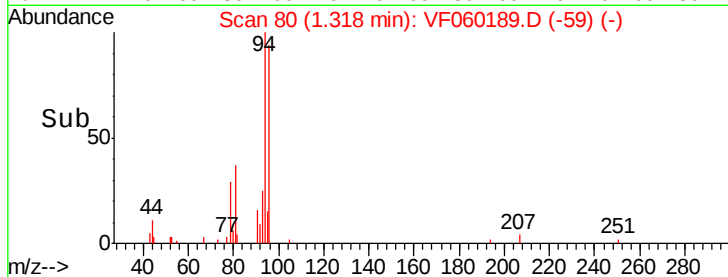
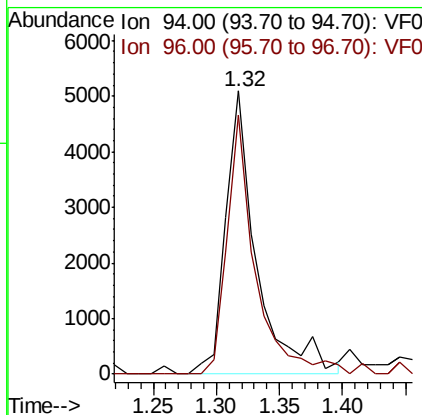
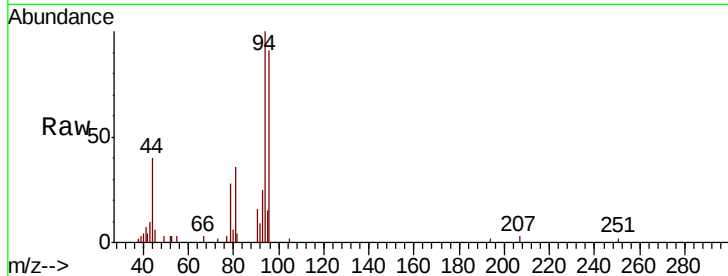
94 100

96 91.4 73.6 110.4

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#6

Chloroethane

Concen: 4.89 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF060189.D

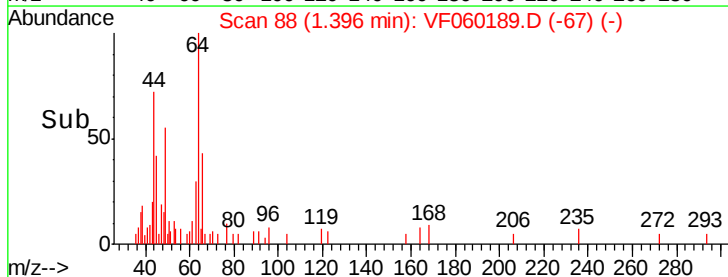
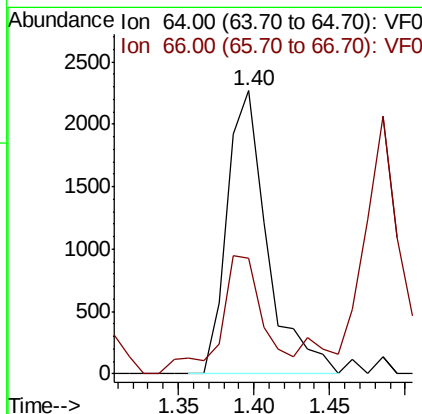
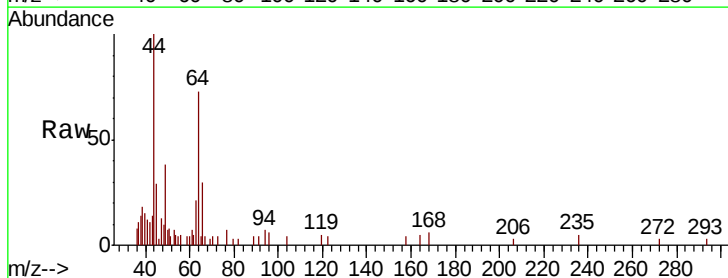
Acq: 29 Aug 2018 14:40

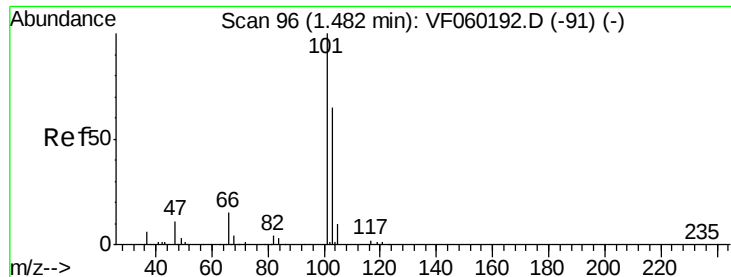
Tgt Ion: 64 Resp: 4187

Ion Ratio Lower Upper

64 100

66 40.7 28.2 42.4





#7

Trichlorofluoromethane

Concen: 5.57 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.00 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 22863

Ion Ratio Lower Upper

101 100

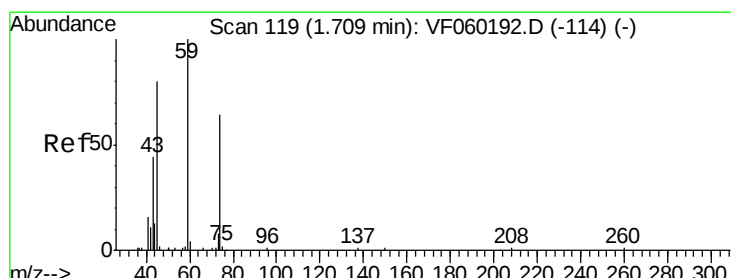
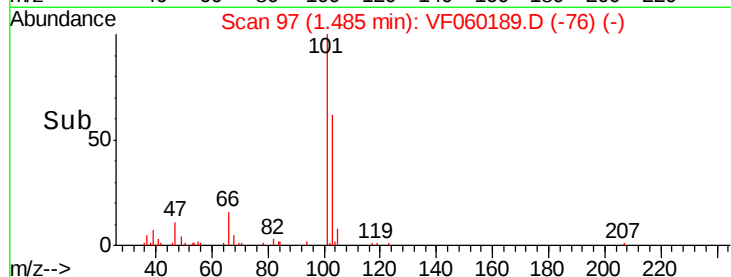
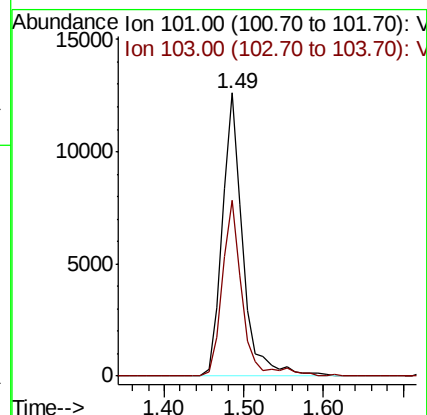
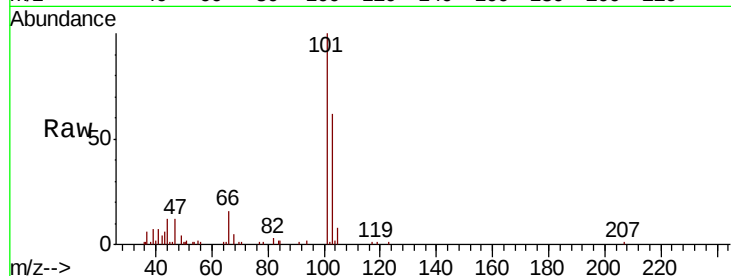
103 62.1 52.4 78.6

Manual Integrations

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#8

Diethyl Ether

Concen: 4.53 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.01 min

Lab File: VF060189.D

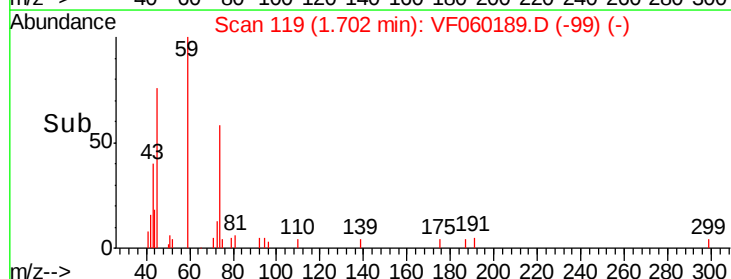
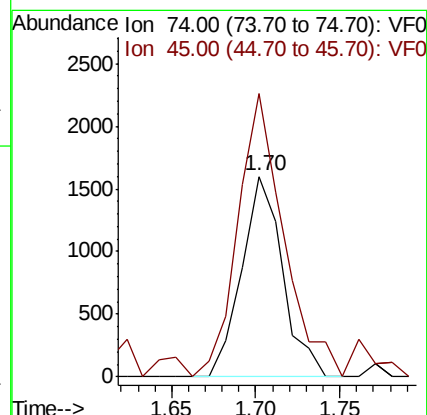
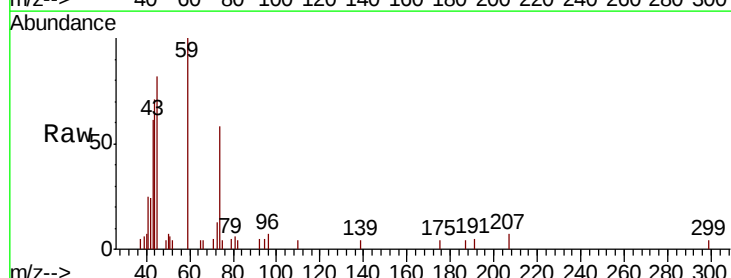
Acq: 29 Aug 2018 14:40

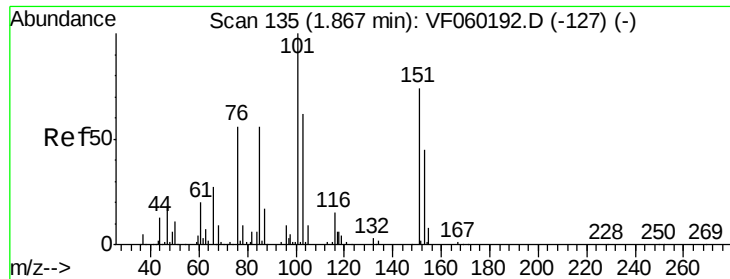
Tgt Ion: 74 Resp: 2700

Ion Ratio Lower Upper

74 100

45 141.3 63.3 190.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.31 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

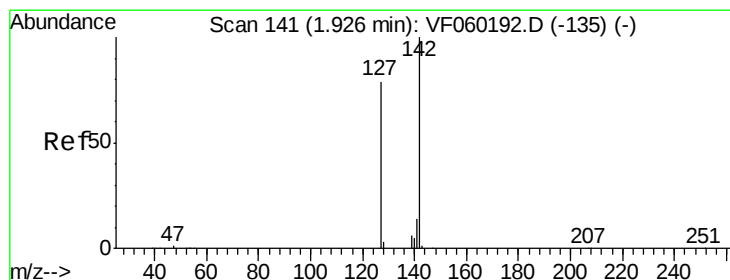
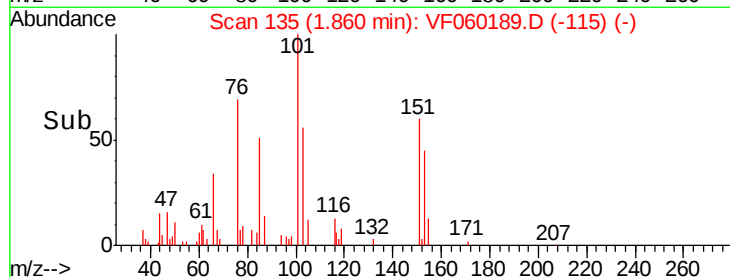
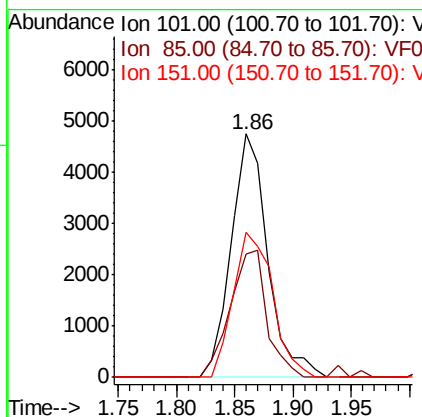
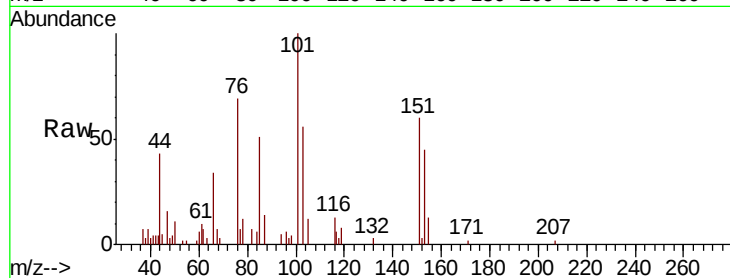
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	10329
Ion Ratio	Lower	Upper	
101	100		
85	50.6	44.5	66.7
151	59.5	58.8	88.2

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#10

Methyl Iodide

Concen: 5.06 ug/l

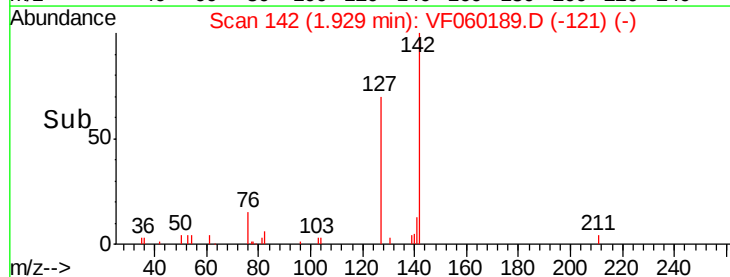
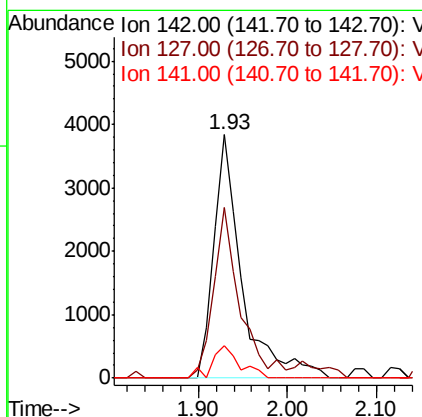
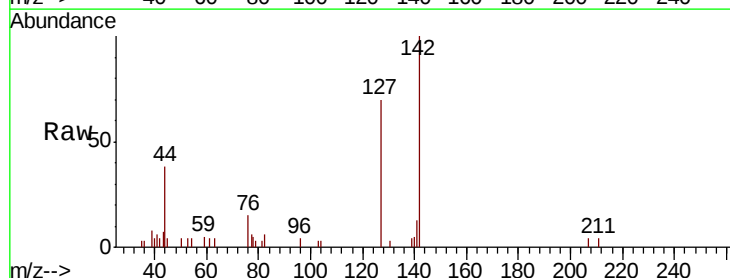
RT: 1.93 min Scan# 142

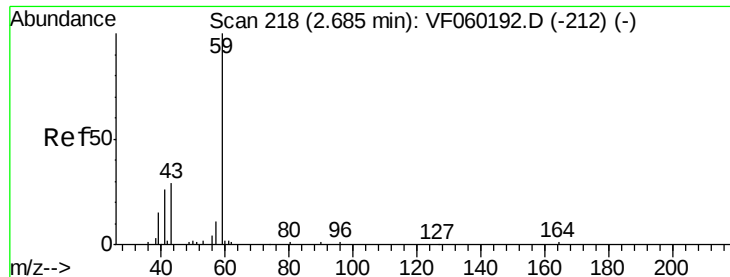
Delta R.T. 0.00 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Tgt Ion:	142	Resp:	8455
Ion Ratio	Lower	Upper	
142	100		
127	70.3	62.6	94.0
141	13.2	10.9	16.3





#11

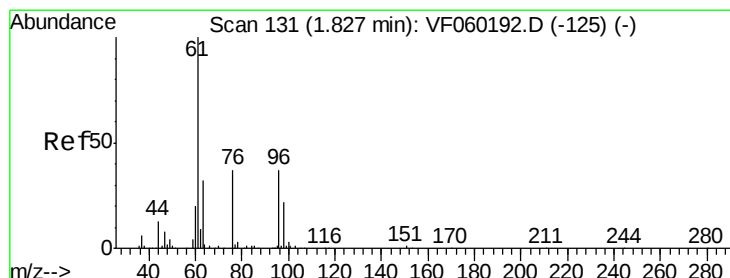
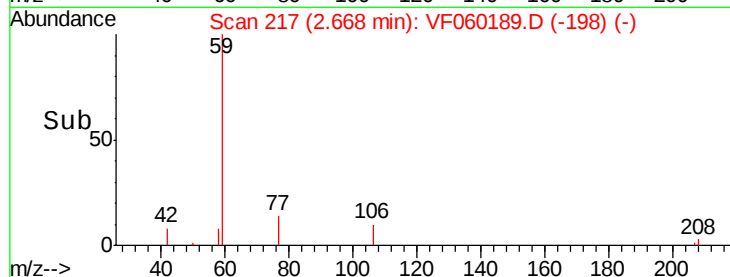
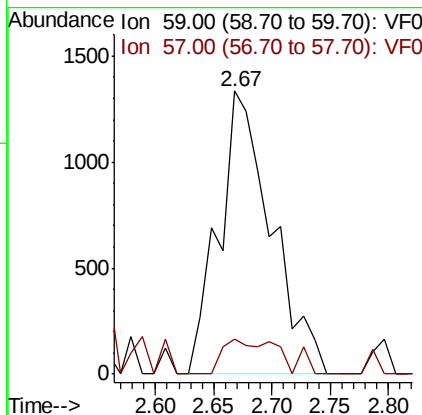
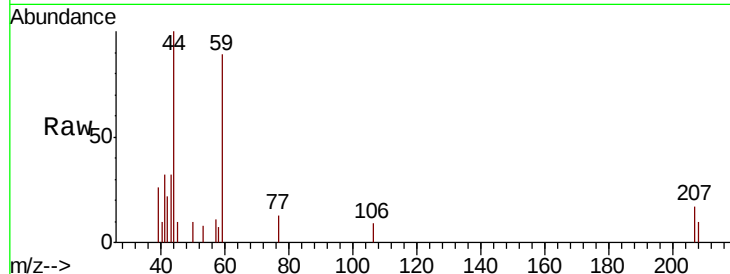
Tert butyl alcohol
Concen: 23.80 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.02 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 4186
Ion Ratio Lower Upper
59 100
57 19.9 10.7 16.1#

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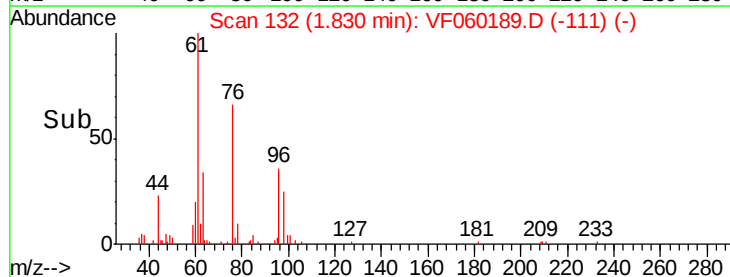
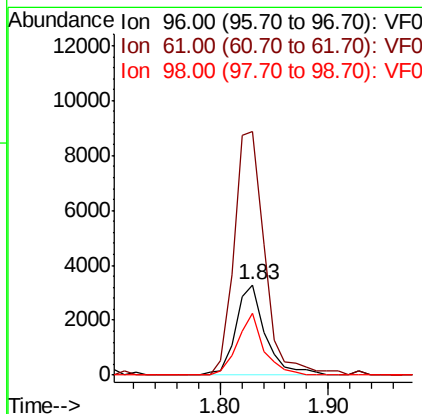
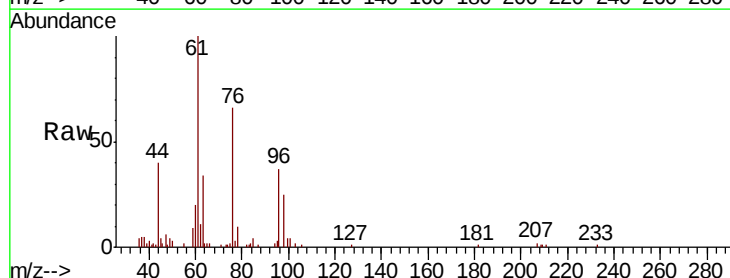
apatel
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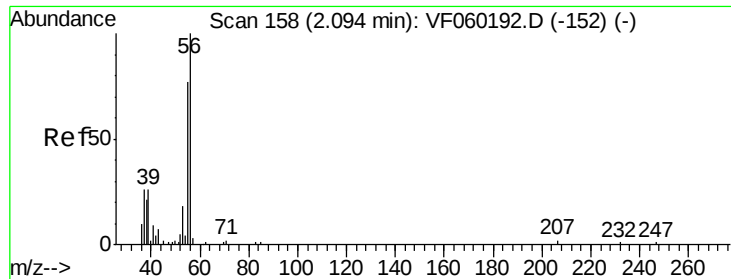


#12

1,1-Dichloroethene
Concen: 4.88 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.00 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Tgt Ion: 96 Resp: 6297
Ion Ratio Lower Upper
96 100
61 269.8 215.2 322.8
98 68.4 47.6 71.4





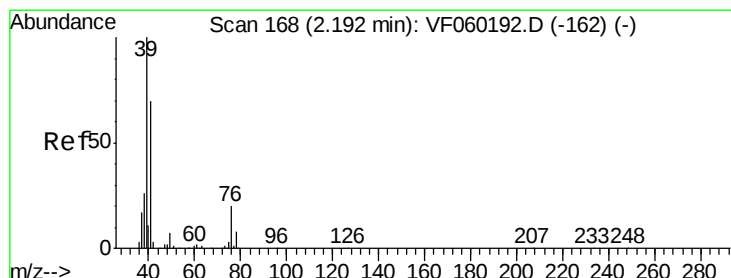
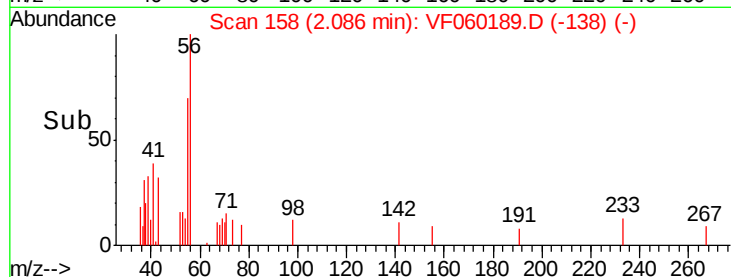
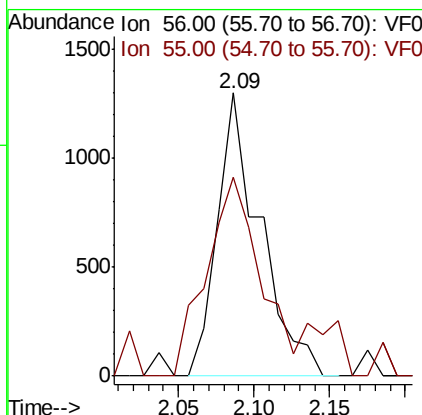
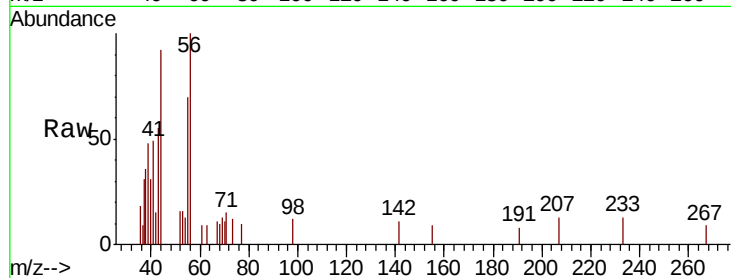
#13
Acrolein
Concen: 26.20 ug/l
RT: 2.09 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	56	Resp	2567
Ion Ratio	Lower	Upper	
56	100		
55	70.4	61.4	92.0

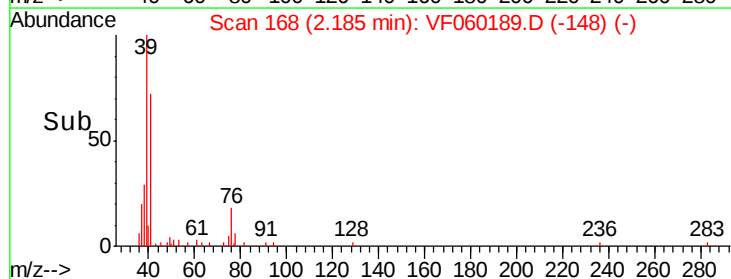
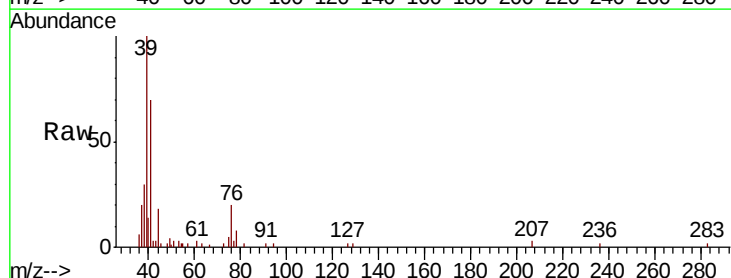
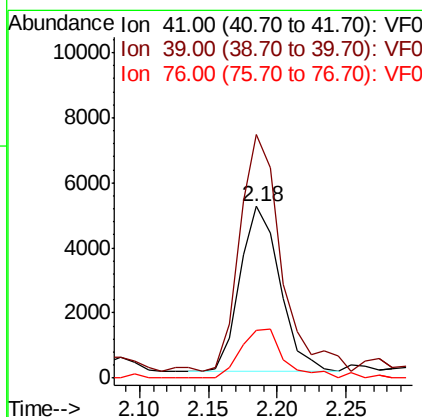
Manual Integrations
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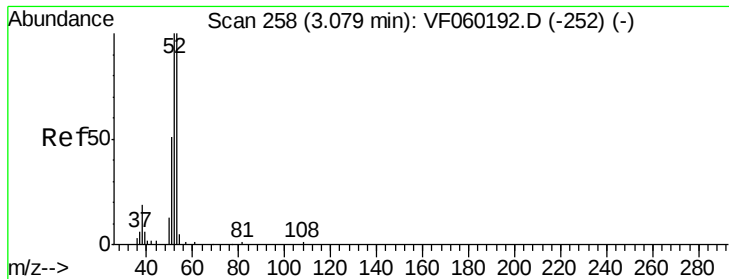
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#14
Allyl chloride
Concen: 5.05 ug/l
RT: 2.18 min Scan# 168
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Tgt Ion	41	Resp	10314
Ion Ratio	Lower	Upper	
41	100		
39	142.1	114.6	172.0
76	27.8	23.1	34.7





#15

Acrylonitrile

Concen: 25.08 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

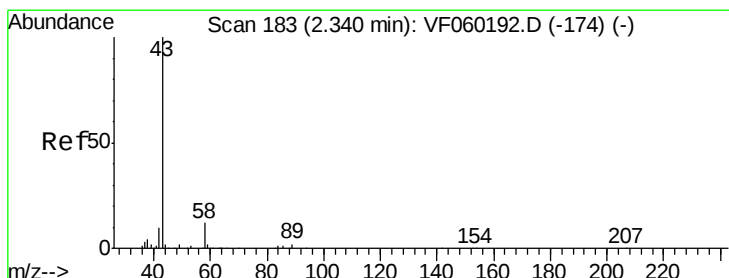
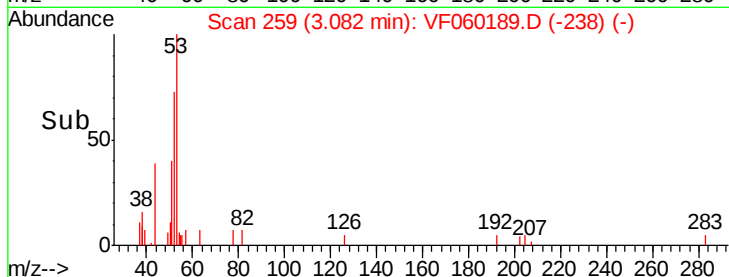
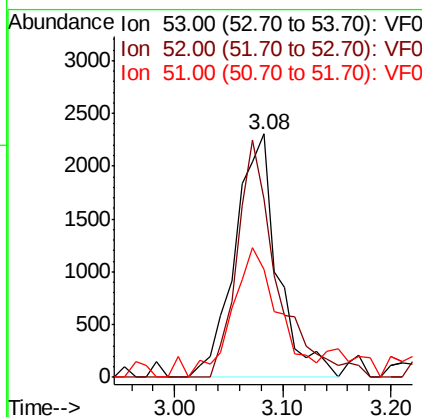
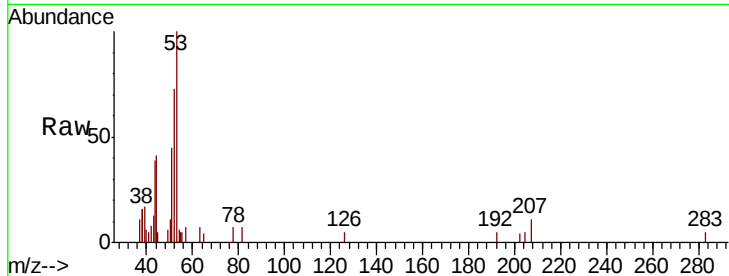
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	6331
Ion	Ratio	Lower	Upper
53	100		
52	73.0	80.2	120.4#
51	44.6	42.4	63.6

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#16

Acetone

Concen: 27.29 ug/l

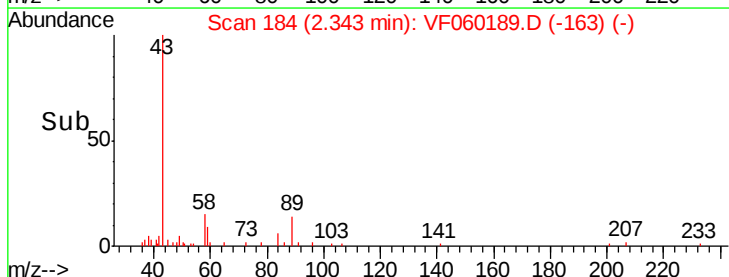
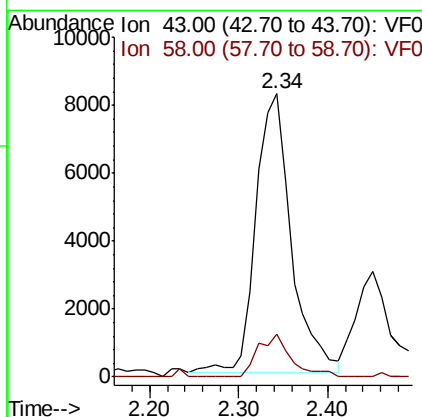
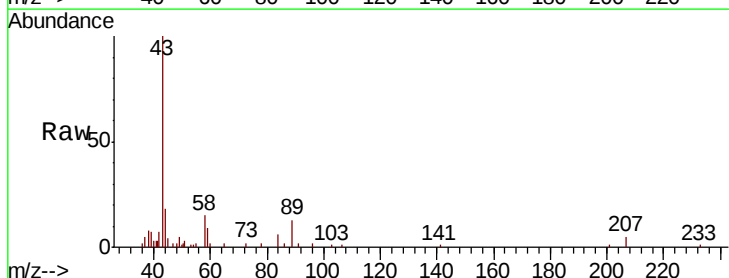
RT: 2.34 min Scan# 184

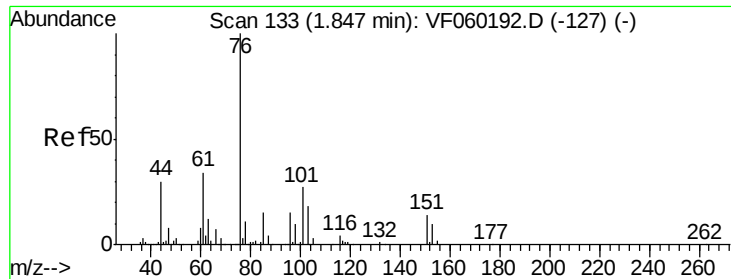
Delta R.T. 0.00 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Tgt Ion:	43	Resp:	22466
Ion	Ratio	Lower	Upper
43	100		
58	15.0	9.6	14.4#





#17

Carbon Disulfide

Concen: 4.95 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 20843

Ion Ratio Lower Upper

76 100

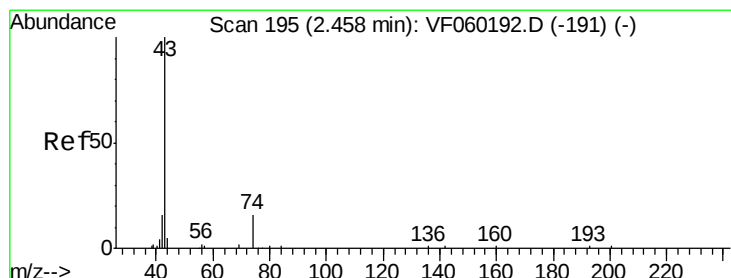
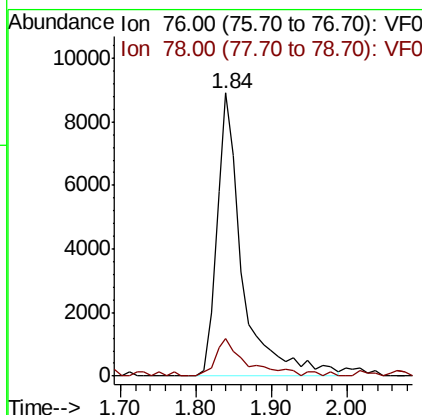
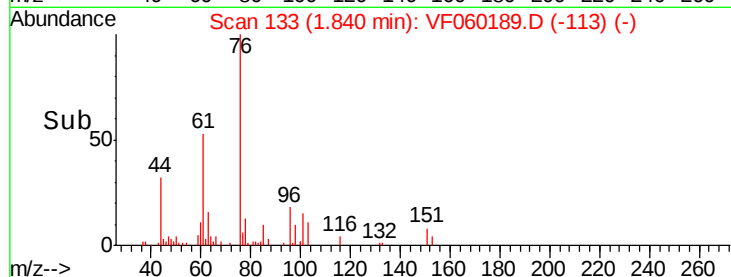
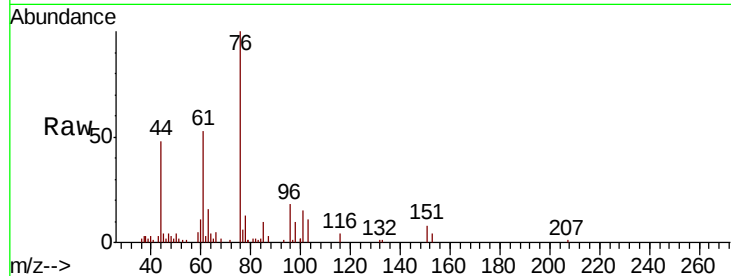
78 13.4 8.6 13.0#

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#18

Methyl Acetate

Concen: 5.40 ug/l

RT: 2.45 min Scan# 195

Delta R.T. -0.01 min

Lab File: VF060189.D

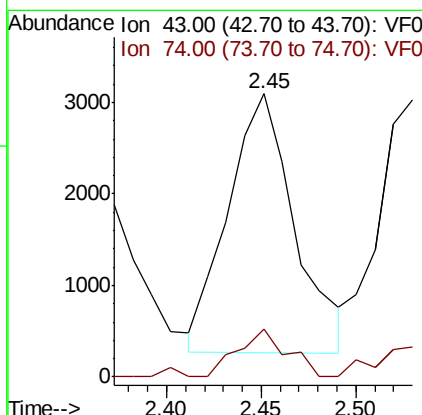
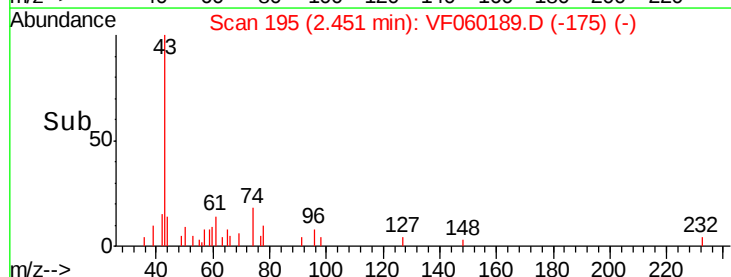
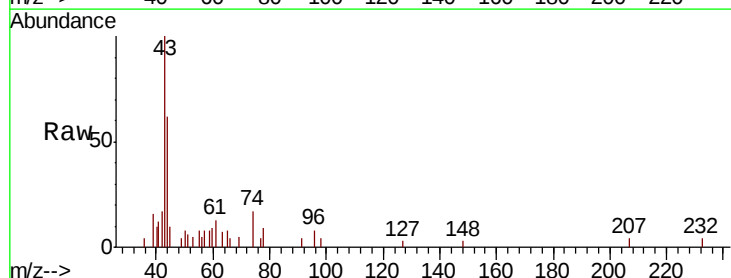
Acq: 29 Aug 2018 14:40

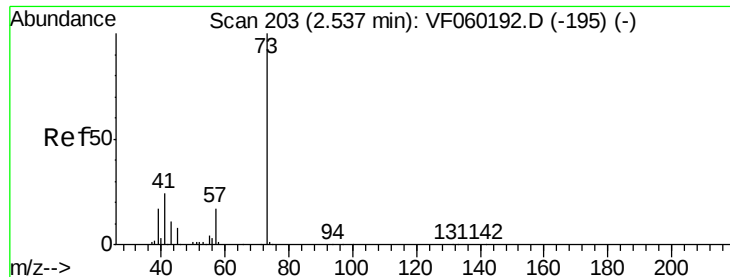
Tgt Ion: 43 Resp: 6937

Ion Ratio Lower Upper

43 100

74 17.0 11.0 16.4#





#19

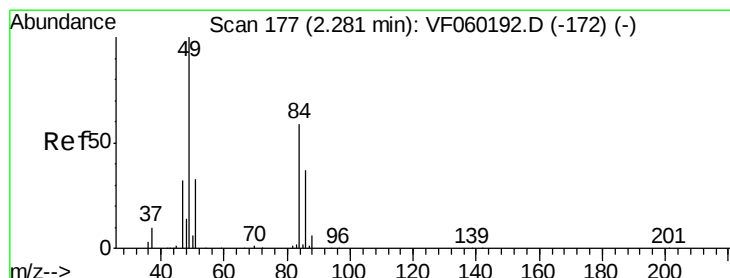
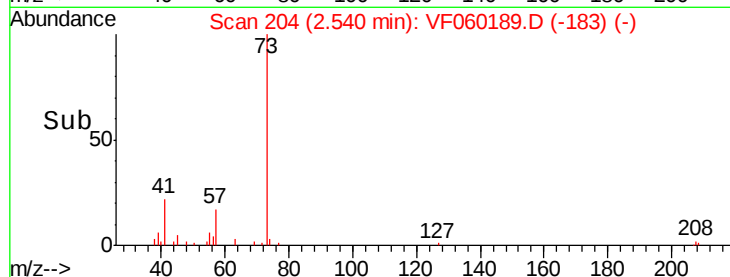
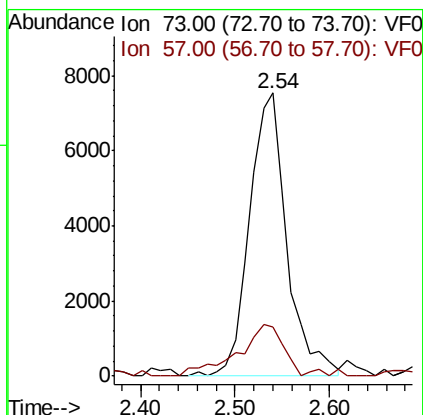
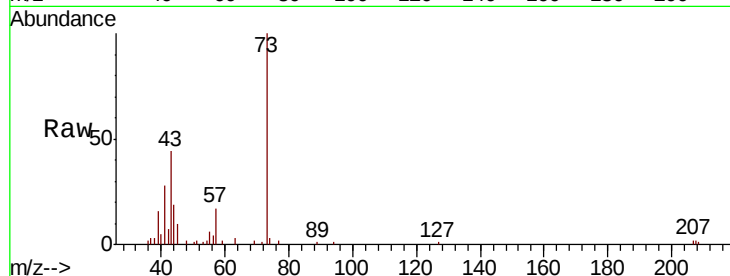
Methyl tert-butyl Ether
 Concen: 4.60 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF060189.D
 Acq: 29 Aug 2018 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.3	13.6	20.4

Manual Integrations
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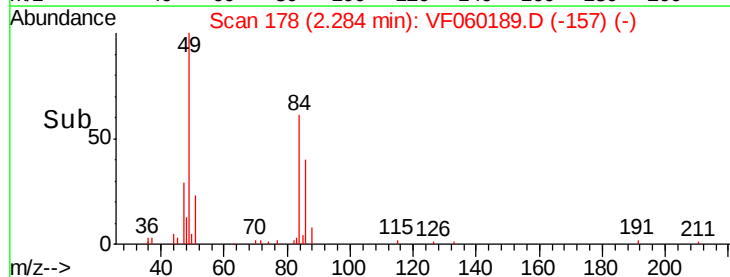
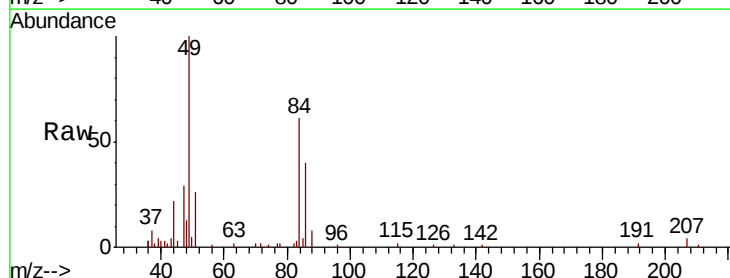
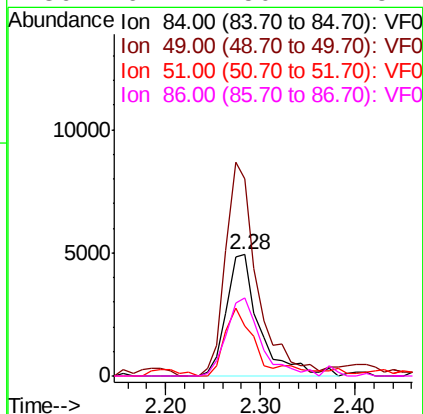
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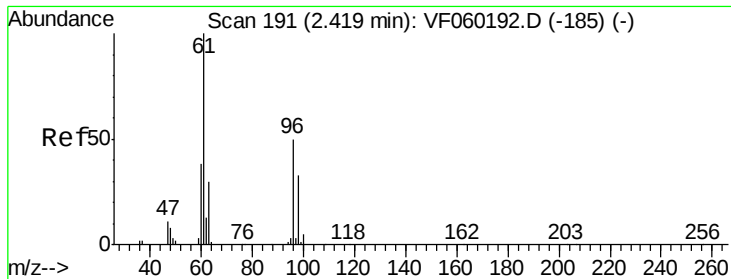


#20

Methylene Chloride
 Concen: 7.07 ug/l
 RT: 2.28 min Scan# 178
 Delta R.T. 0.00 min
 Lab File: VF060189.D
 Acq: 29 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	162.8	136.4	204.6
51	41.7	45.1	67.7#
86	64.7	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 4.86 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

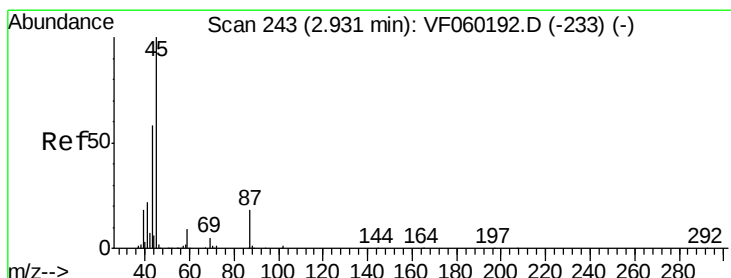
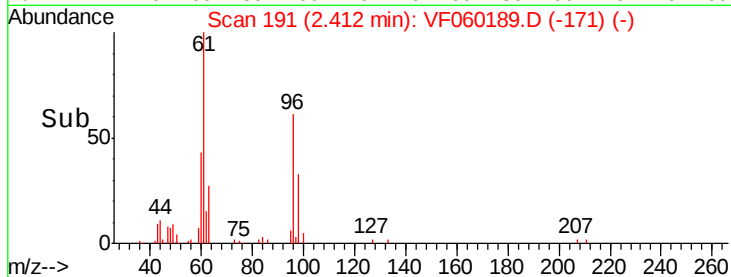
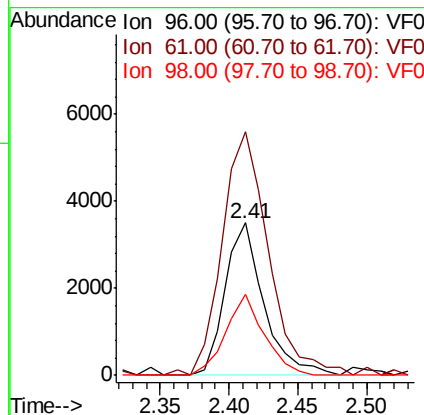
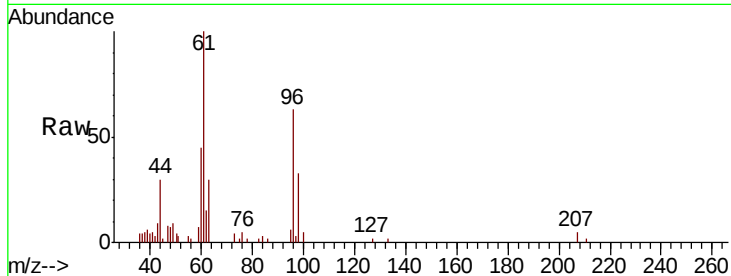
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	6862
Ion	Ratio	Lower	Upper
96	100		
61	153.6	159.8	239.8#
98	51.1	51.9	77.9#

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#22

Diisopropyl ether

Concen: 4.75 ug/l

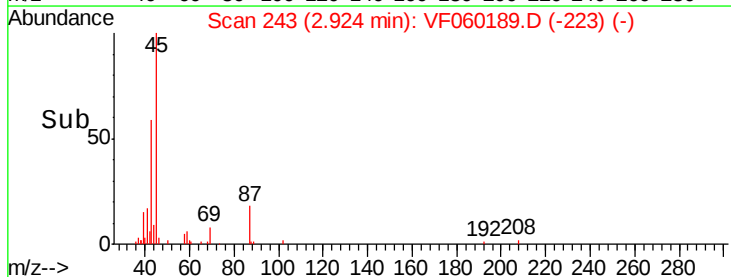
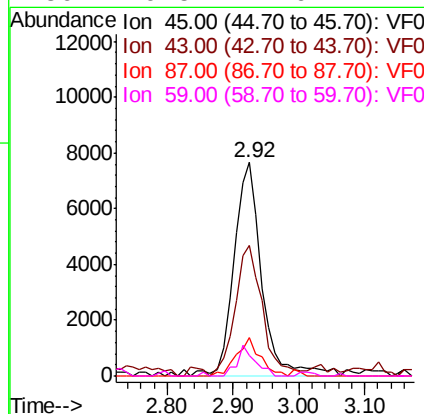
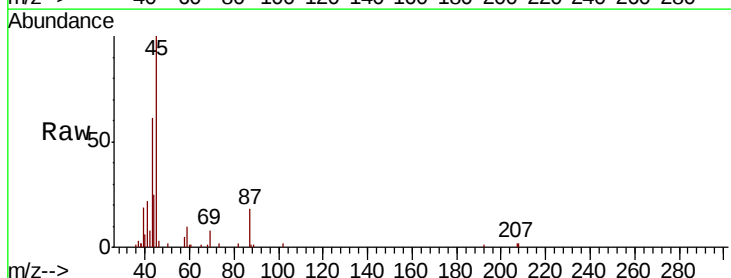
RT: 2.92 min Scan# 243

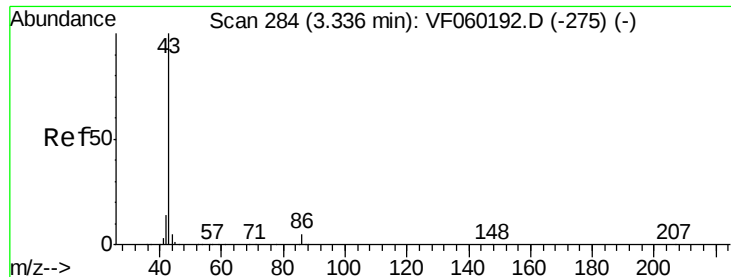
Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Tgt Ion:	45	Resp:	22651
Ion	Ratio	Lower	Upper
45	100		
43	61.0	46.6	70.0
87	18.0	14.3	21.5
59	9.5	7.6	11.4





#23

Vinyl Acetate

Concen: 19.87 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 59156

Ion Ratio Lower Upper

43 100

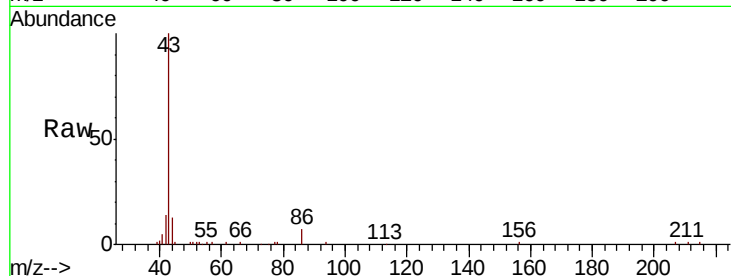
86 6.6 4.0 6.0#

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

25000

20000

15000

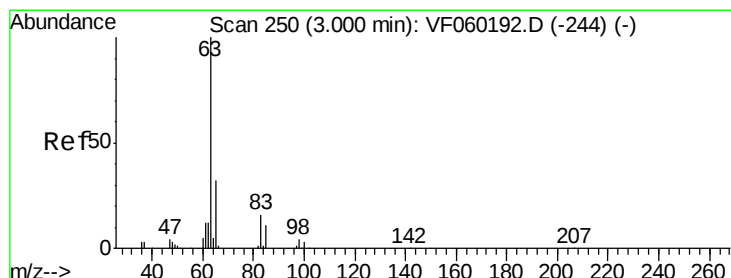
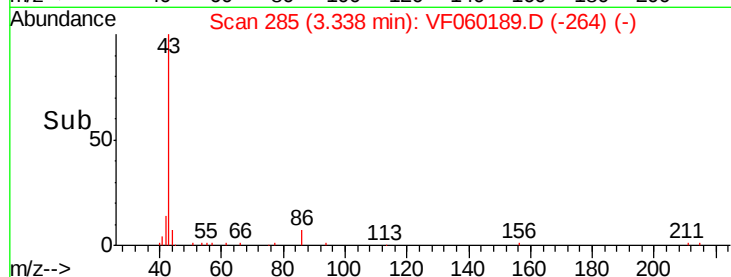
10000

5000

0

3.20 3.30 3.40 3.50

Time-->



#24

1,1-Dichloroethane

Concen: 4.79 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

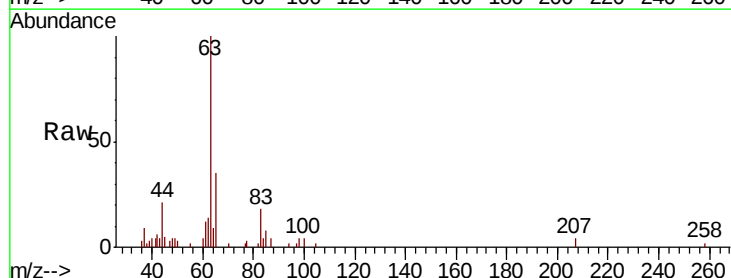
Tgt Ion: 63 Resp: 15164

Ion Ratio Lower Upper

63 100

98 3.8 1.9 5.7

100 4.1 1.5 4.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

6000

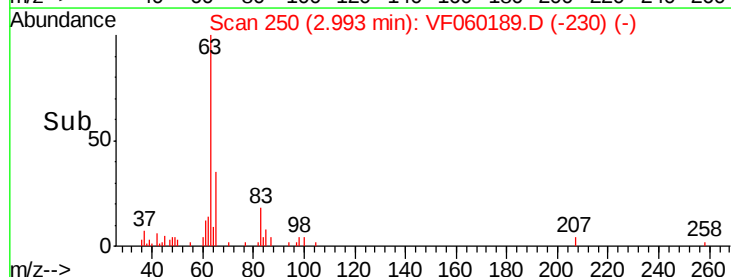
4000

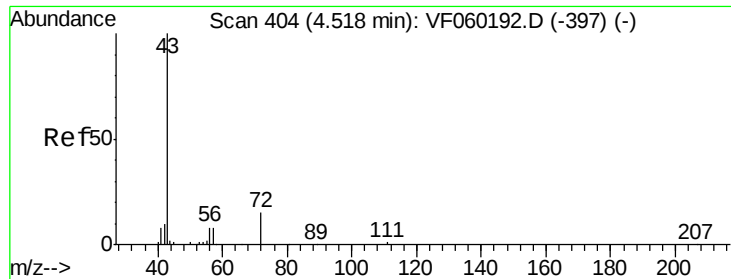
2000

0

2.90 3.00 3.10 3.20

Time-->





#25

2-Butanone

Concen: 24.31 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.02 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 24123

Ion Ratio Lower Upper

43 100

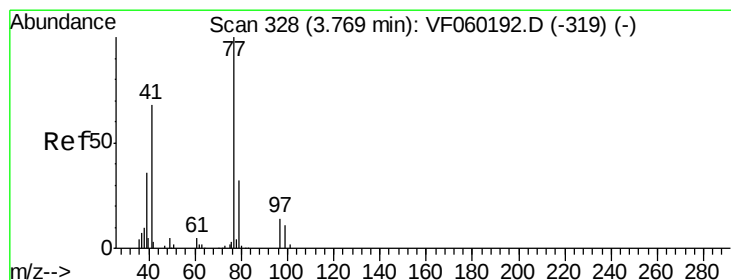
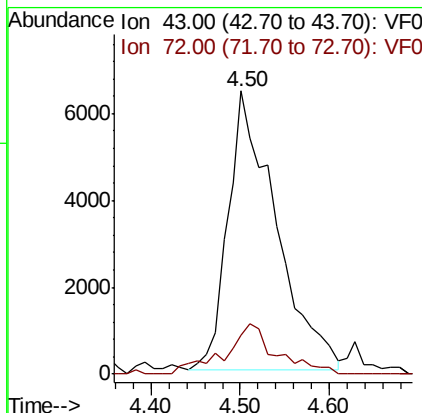
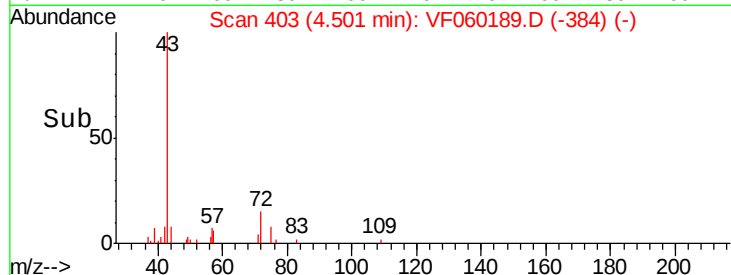
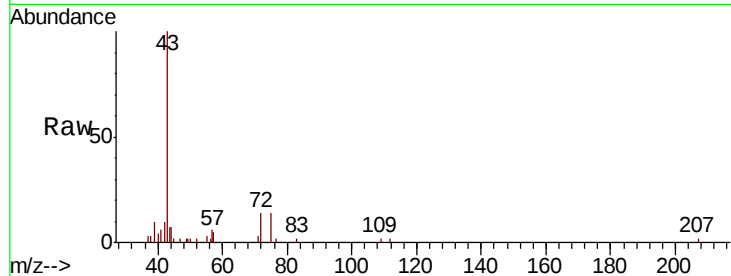
72 13.6 14.4 21.6#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 4.71 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF060189.D

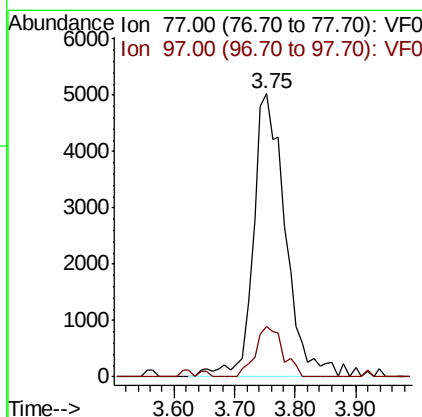
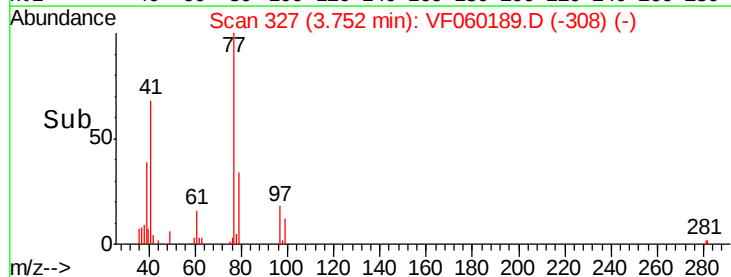
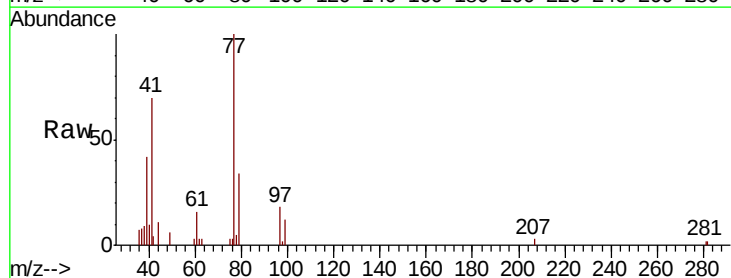
Acq: 29 Aug 2018 14:40

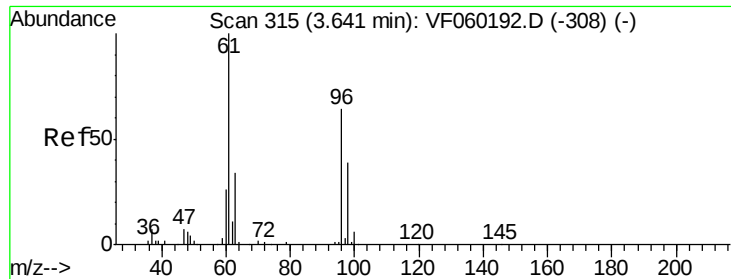
Tgt Ion: 77 Resp: 18433

Ion Ratio Lower Upper

77 100

97 19.8 7.1 21.4





#27

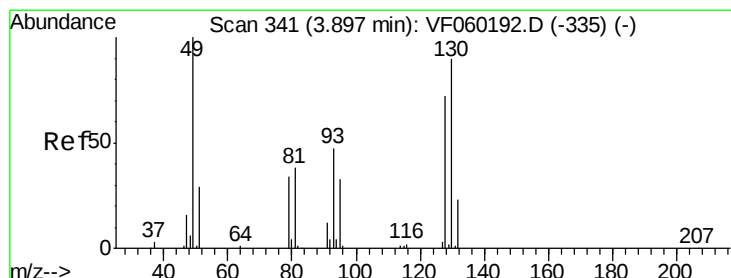
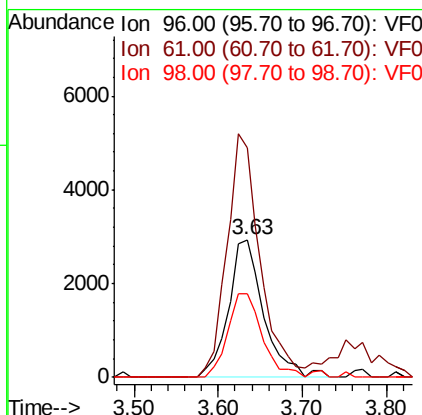
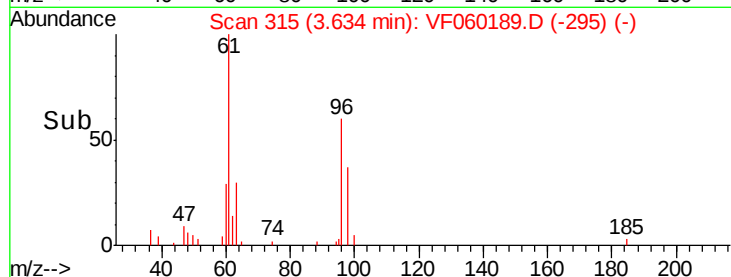
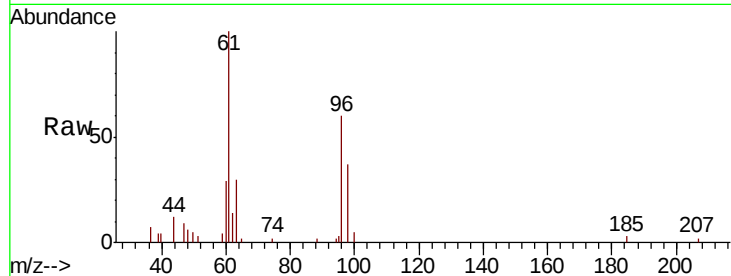
cis-1,2-Dichloroethene
Concen: 4.36 ug/l
RT: 3.63 min Scan# 315
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.4	0.0	311.8
98	60.9	0.0	121.4

Manual Integrations
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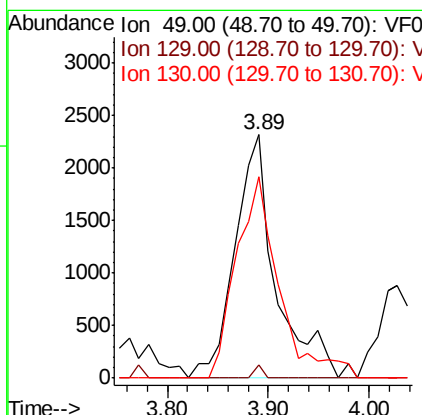
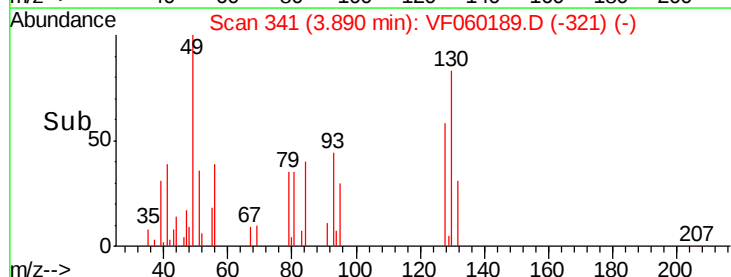
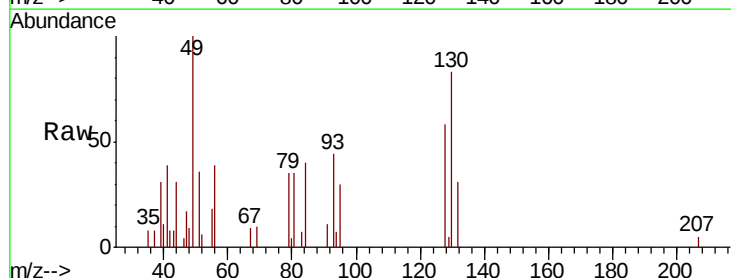
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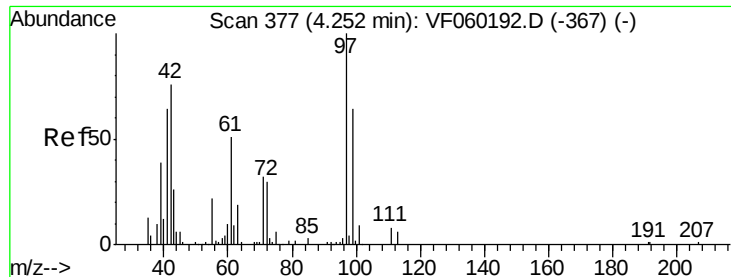


#28

Bromochloromethane
Concen: 5.47 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	5.5	0.0	3.8#
130	82.6	70.3	105.5





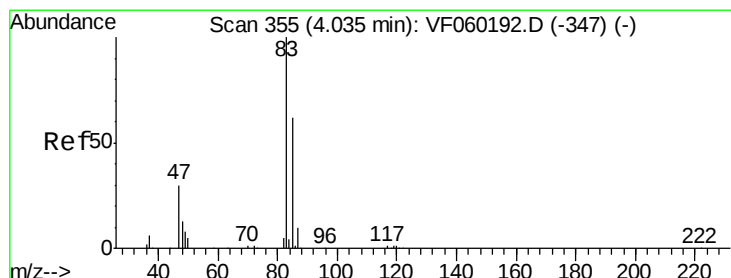
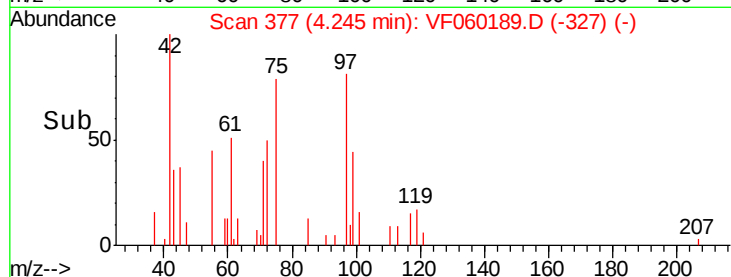
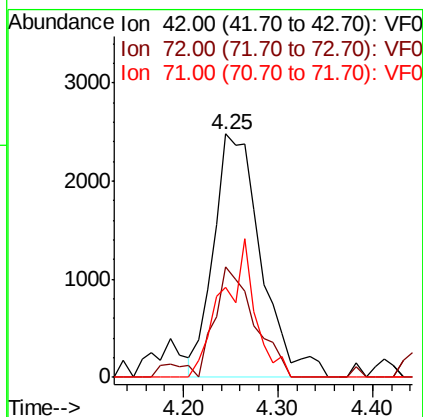
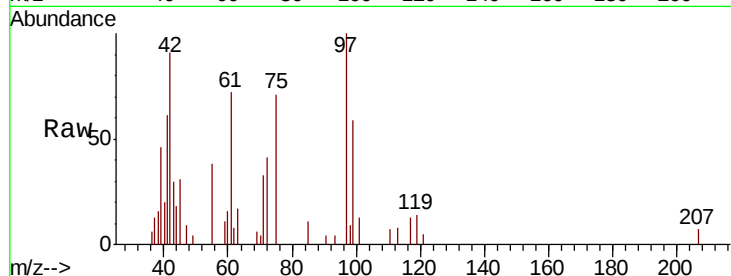
#29
Tetrahydrofuran
Concen: 23.92 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.7	28.2	42.2
71	40.0	28.6	42.8

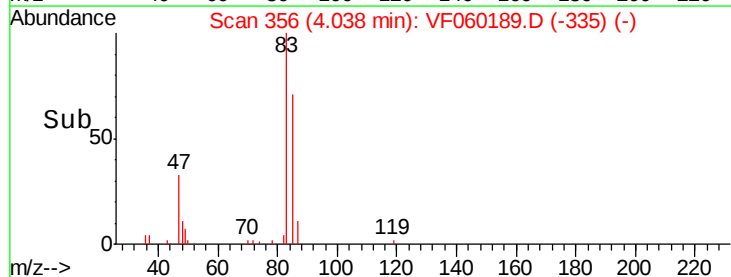
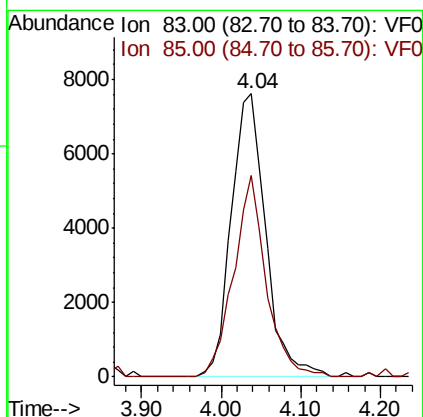
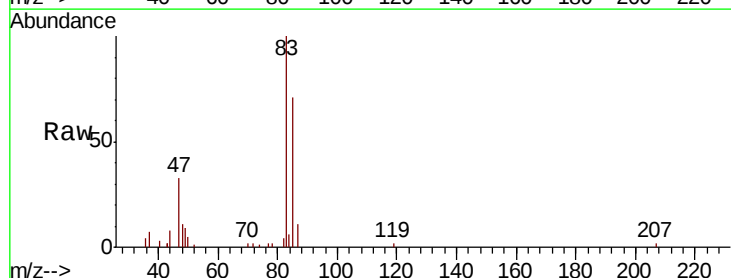
Manual Integrations
APPROVED

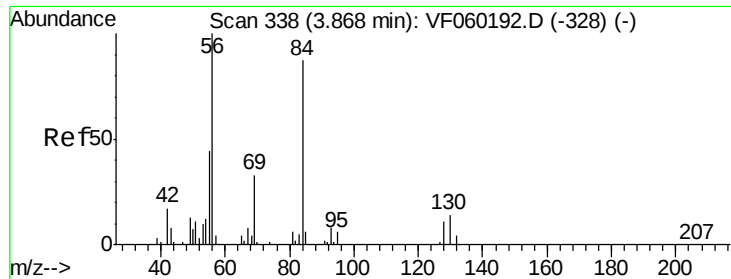
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#30
Chloroform
Concen: 4.55 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.2	49.5	74.3





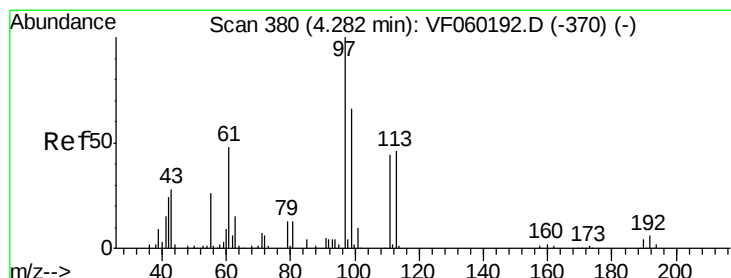
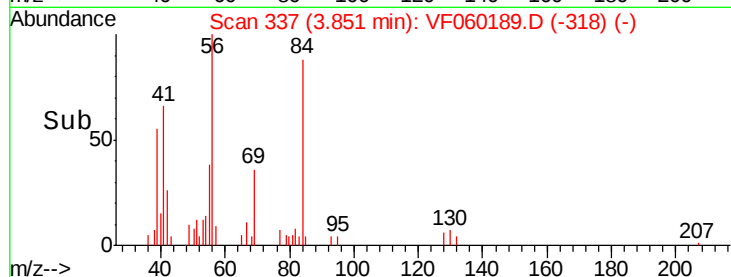
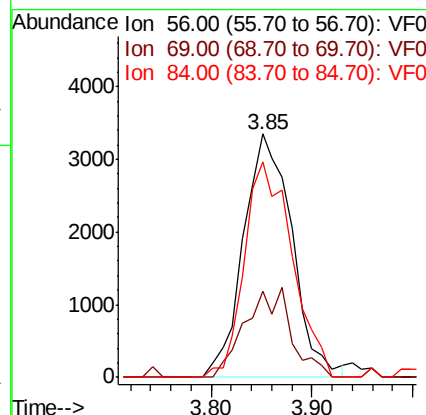
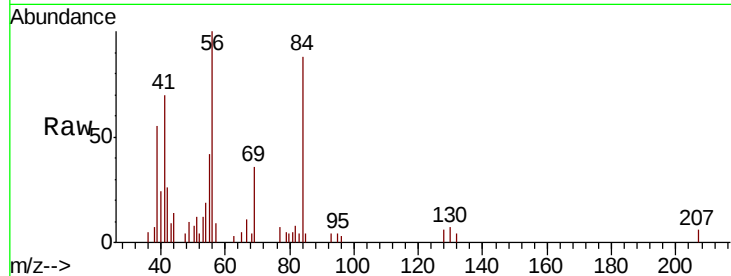
#31
Cyclohexane
Concen: 4.87 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.02 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.5	26.4	39.6
84	88.4	69.9	104.9

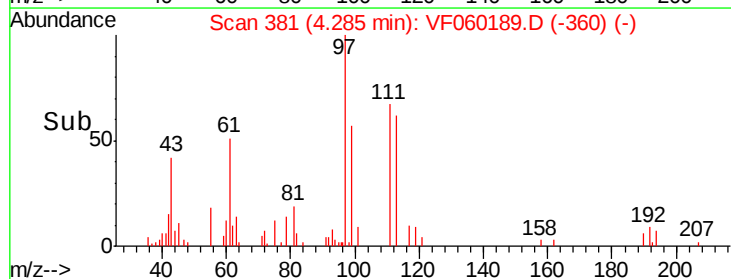
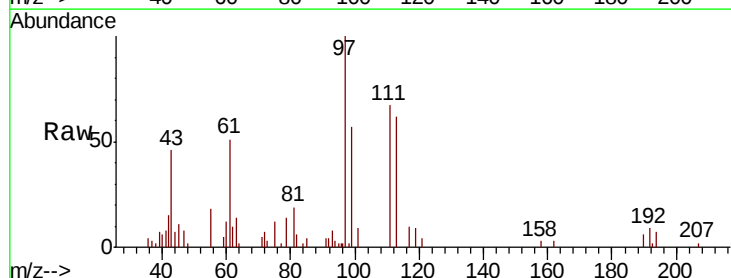
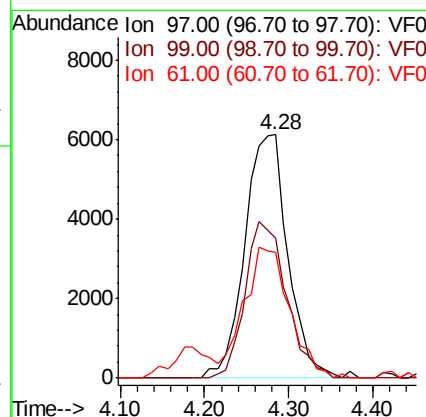
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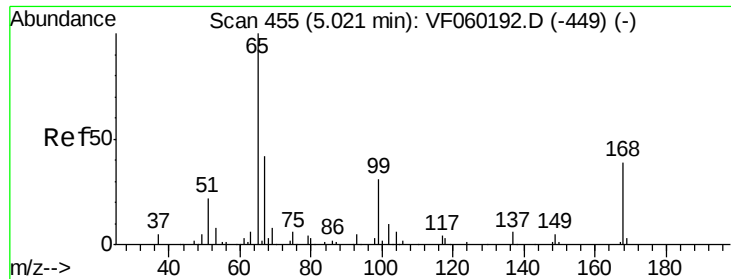
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#32
1,1,1-Trichloroethane
Concen: 4.64 ug/l
RT: 4.28 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	57.4	53.0	79.6
61	51.4	38.9	58.3





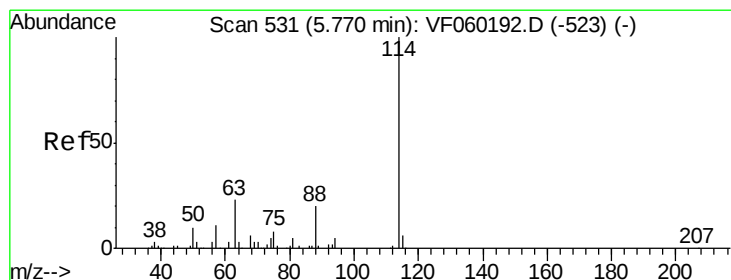
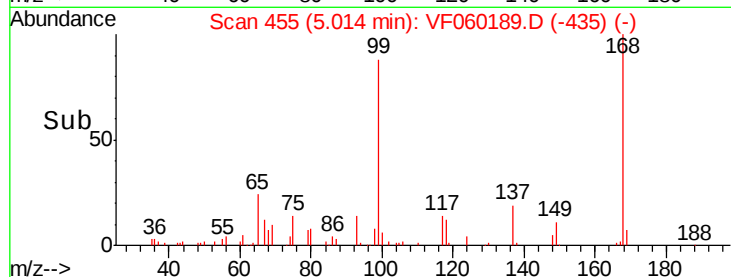
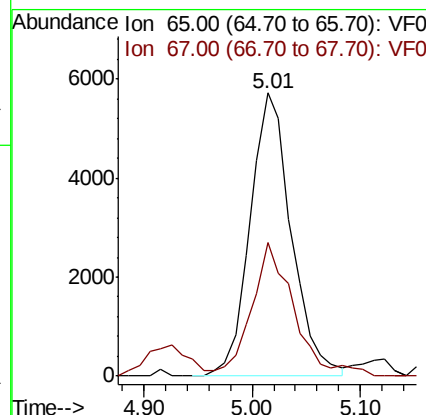
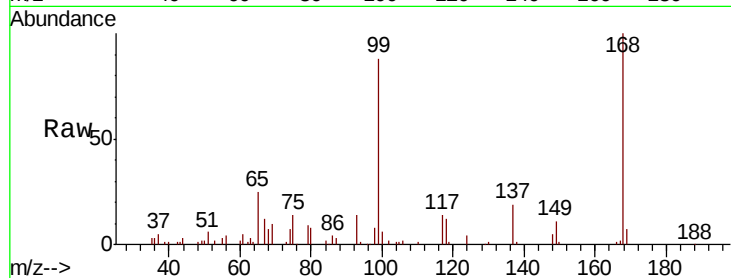
#33
 1,2-Dichloroethane-d4
 Concen: 4.35 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VF060189.D
 Acq: 29 Aug 2018 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	15135		
67	47.2	0.0	87.8	

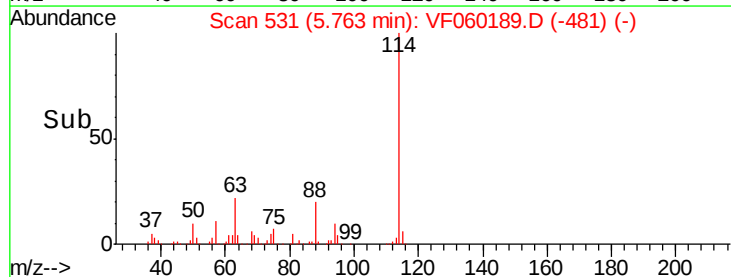
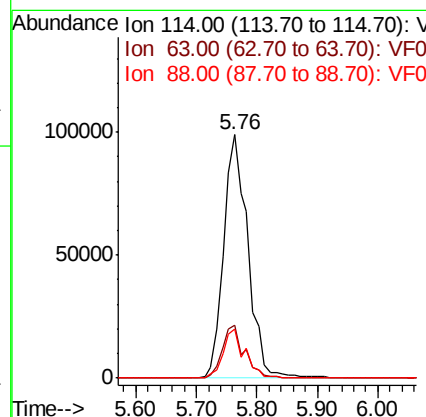
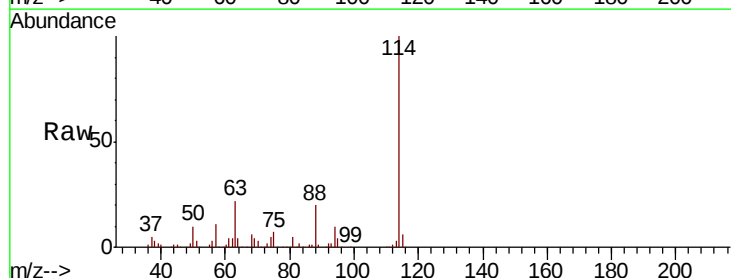
Manual Integrations
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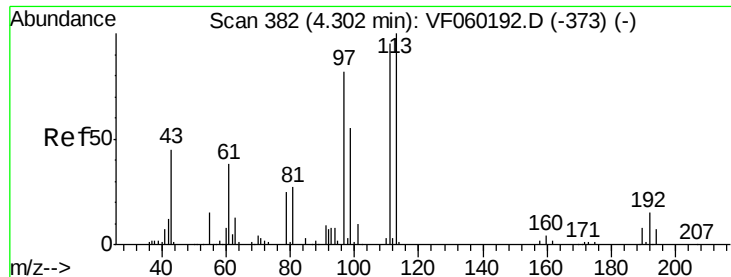
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF060189.D
 Acq: 29 Aug 2018 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	275890		
63	21.6	0.0	46.4	
88	20.2	0.0	40.4	





#35

Dibromofluoromethane

Concen: 4.99 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

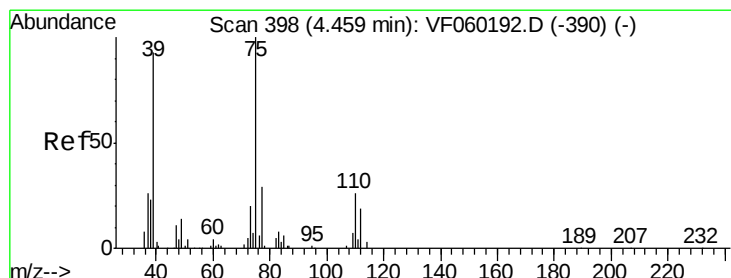
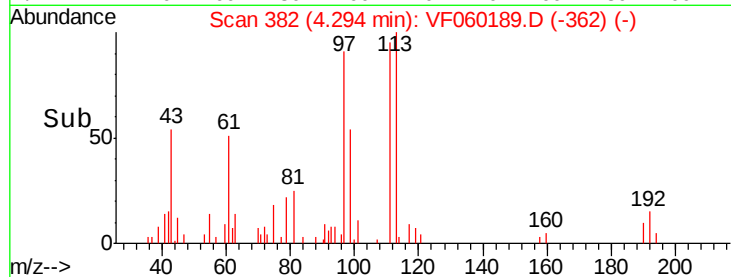
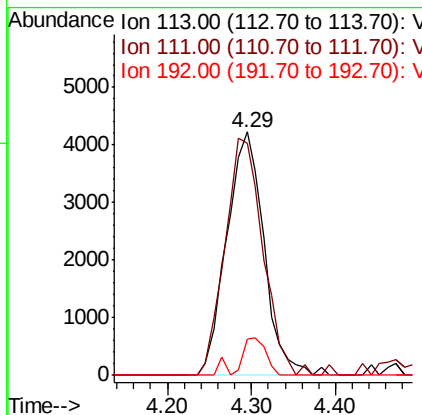
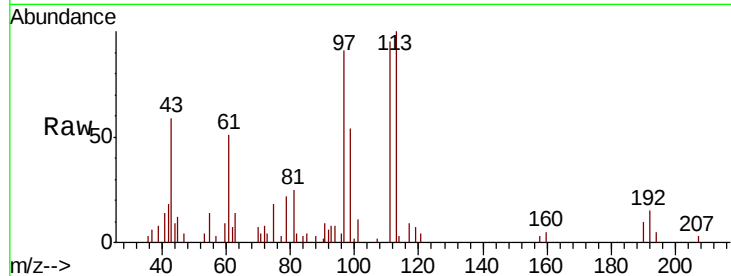
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	13015
Ion	Ratio	Lower	Upper
113	100		
111	95.4	75.8	113.8
192	14.8	12.2	18.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 4.24 ug/l

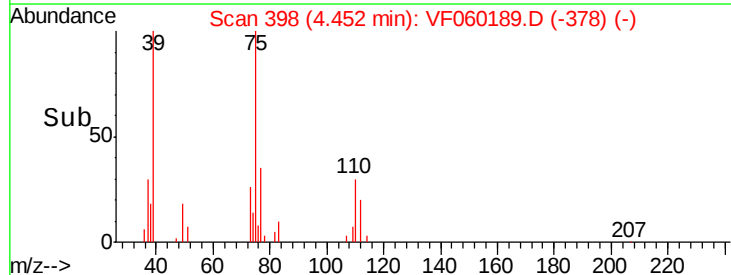
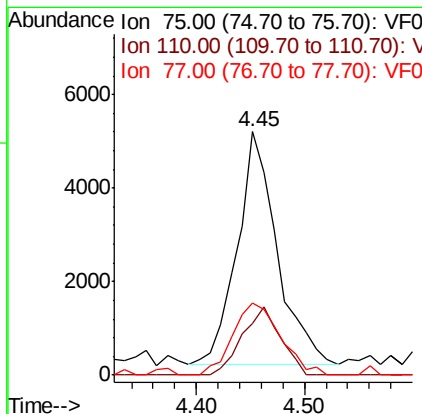
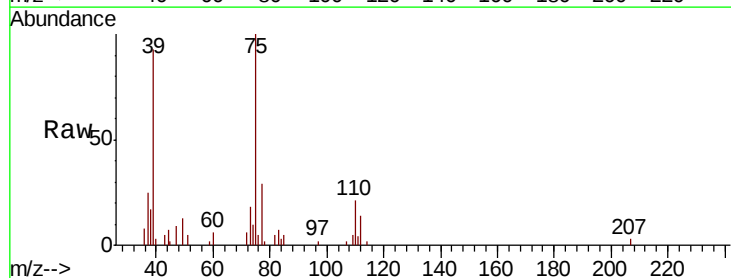
RT: 4.45 min Scan# 398

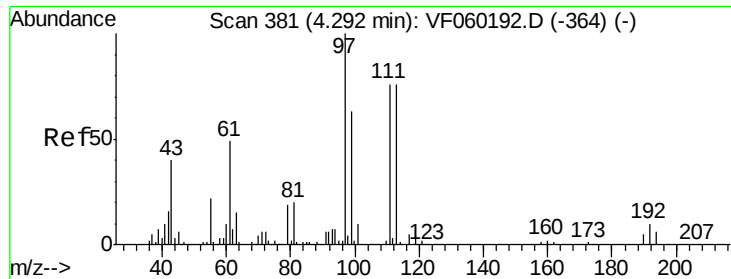
Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Tgt Ion:	75	Resp:	12826
Ion	Ratio	Lower	Upper
75	100		
110	21.3	13.0	38.9
77	29.4	22.9	34.3





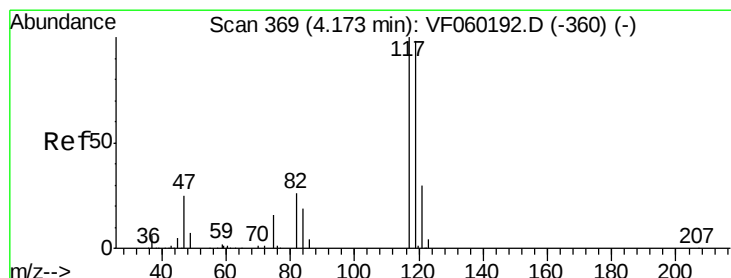
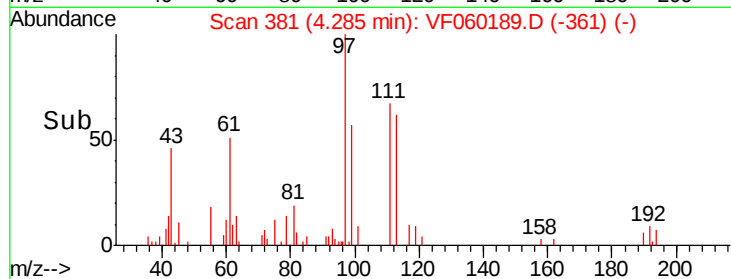
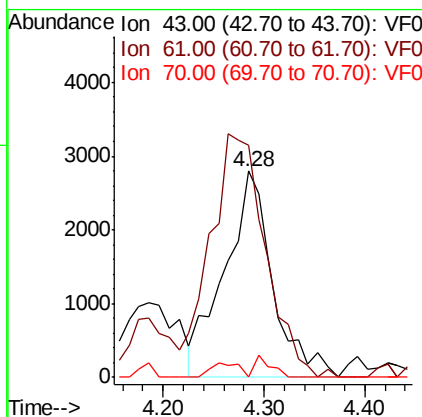
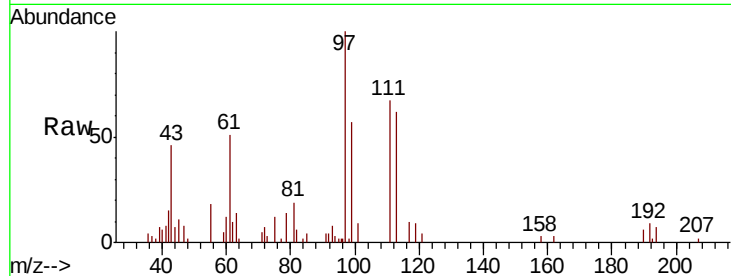
#37
Ethyl Acetate
Concen: 5.09 ug/l
RT: 4.28 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	112.9	97.2	145.8
70	0.0	9.0	13.6

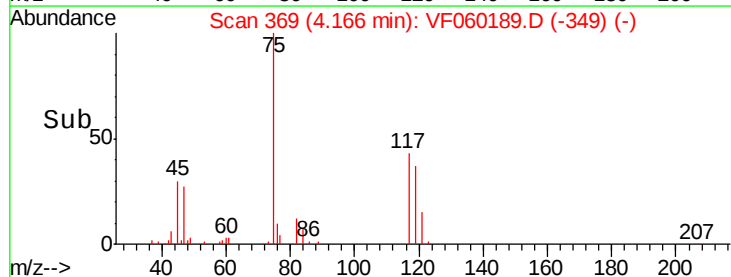
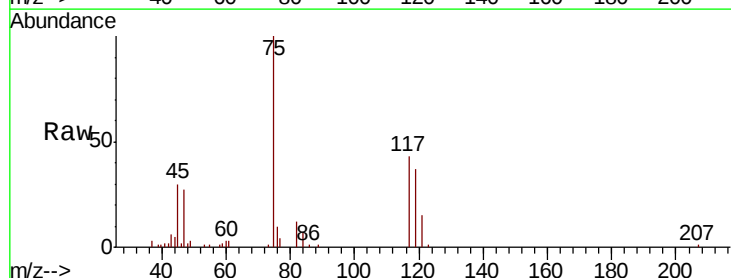
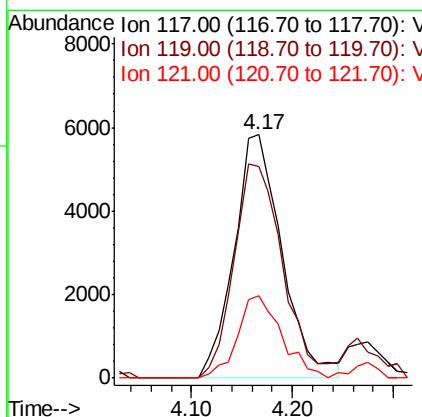
Manual Integrations
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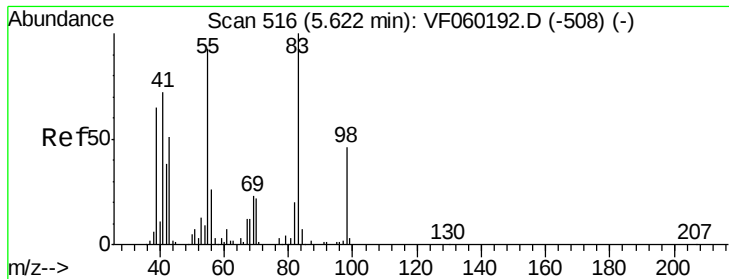
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#38
Carbon Tetrachloride
Concen: 4.65 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.1	79.0	118.6
121	33.9	24.6	37.0





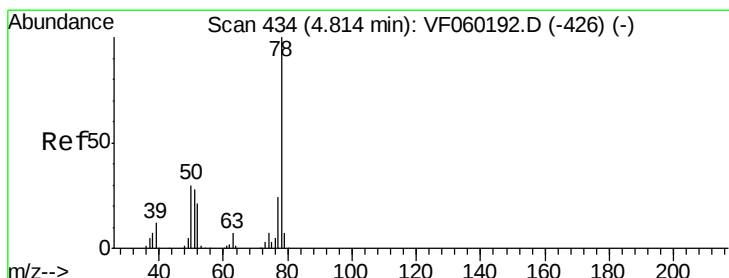
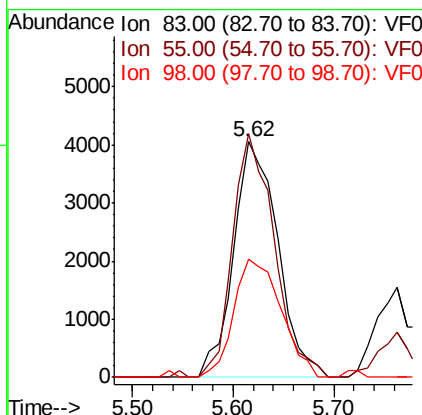
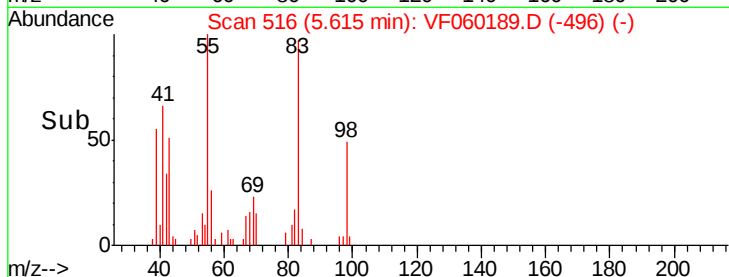
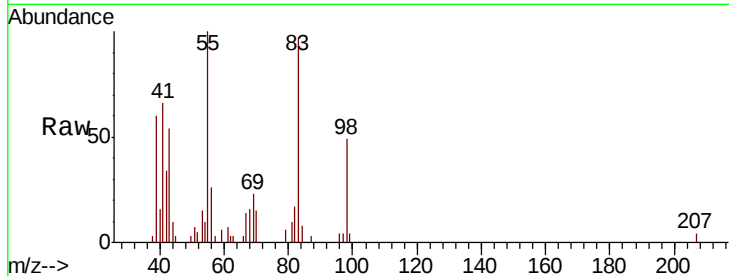
#39
Methvlcvclohexane
Concen: 4.83 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:	83	Resp:	12369
Ion	Ratio	Lower	Upper
83	100		
55	103.3	74.5	111.7
98	50.4	36.7	55.1

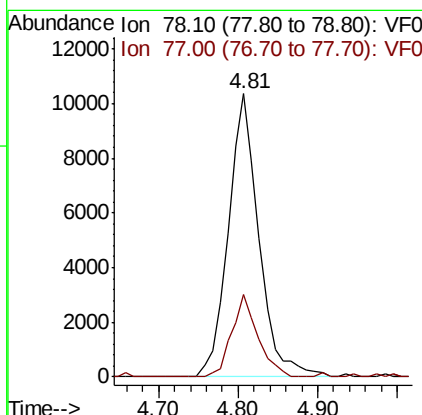
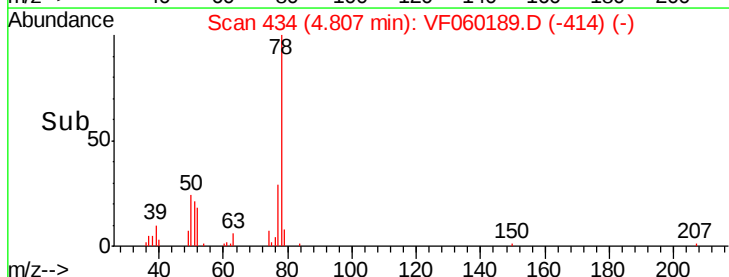
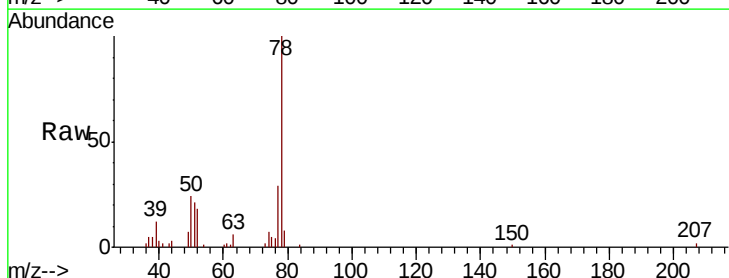
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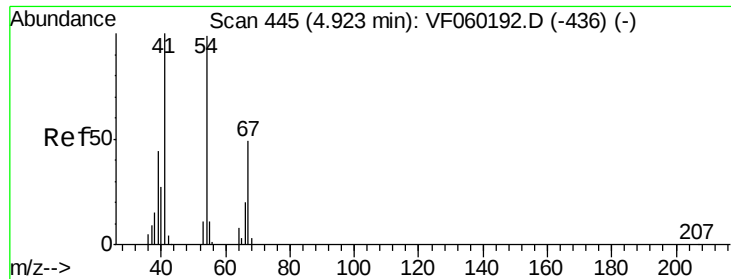
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#40
Benzene
Concen: 4.75 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Tgt Ion:	78	Resp:	27718
Ion	Ratio	Lower	Upper
78	100		
77	29.2	19.4	29.0#





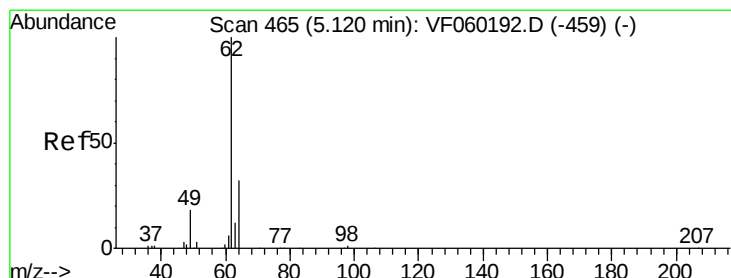
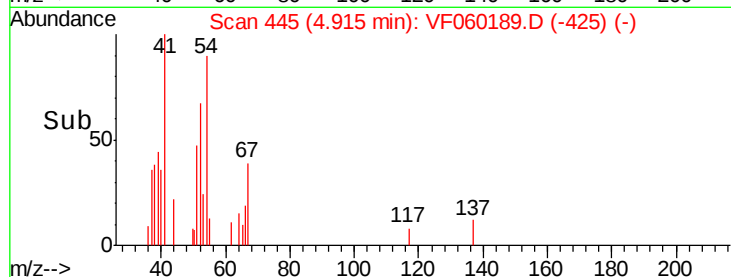
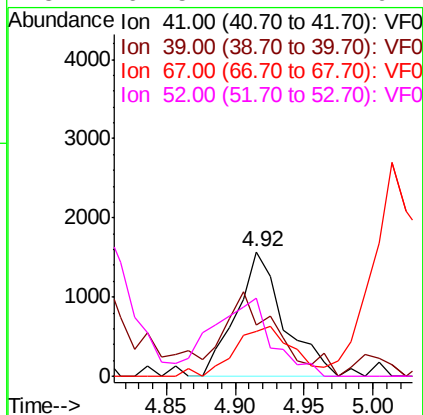
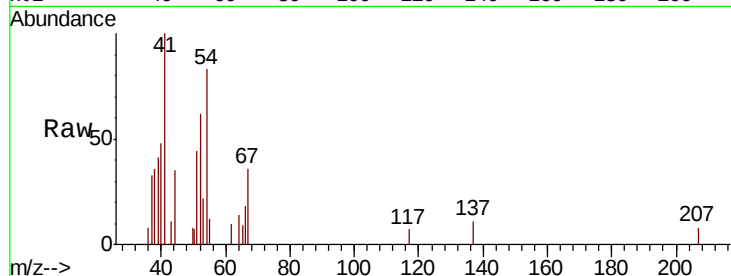
#41
Methacrylonitrile
Concen: 4.44 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
3779	41	100		
	39	40.9	64.5	96.7#
	67	35.9	38.5	57.7#
	52	62.5	47.1	70.7

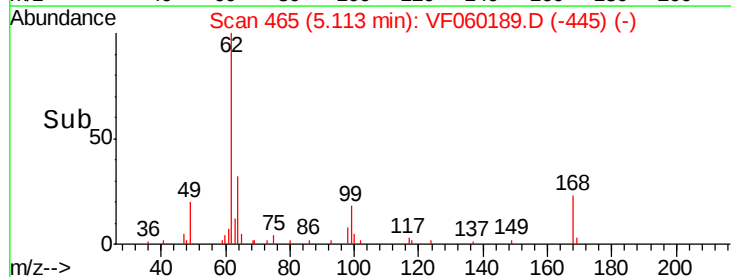
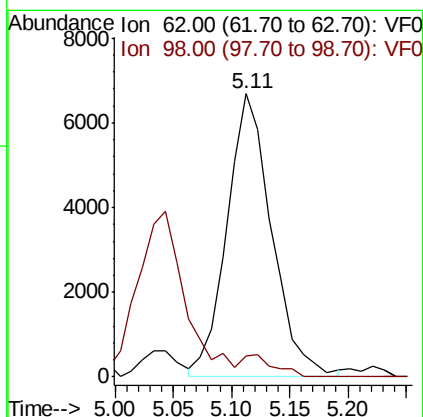
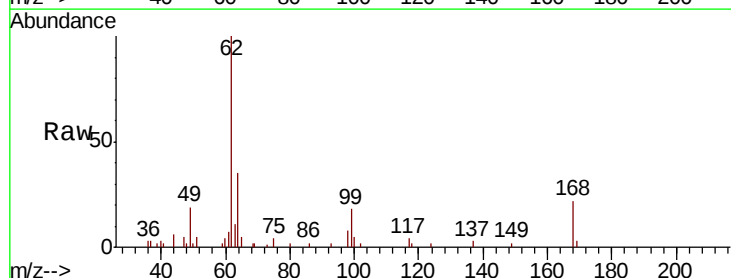
Manual Integrations
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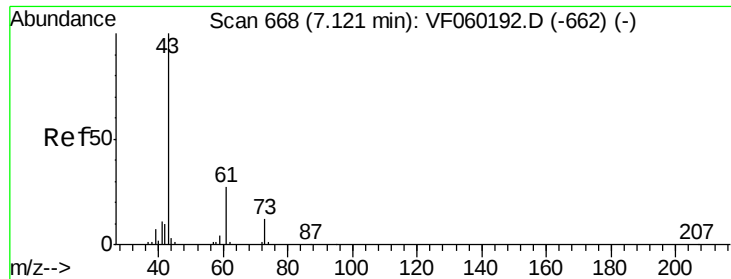
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#42
1,2-Dichloroethane
Concen: 4.29 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Tgt Ion	Ion	Ratio	Lower	Upper
17789	62	100		
	98	7.5	0.0	9.2





#43

Isopropyl Acetate

Concen: 5.29 ug/l

RT: 7.11 min Scan# 668

Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

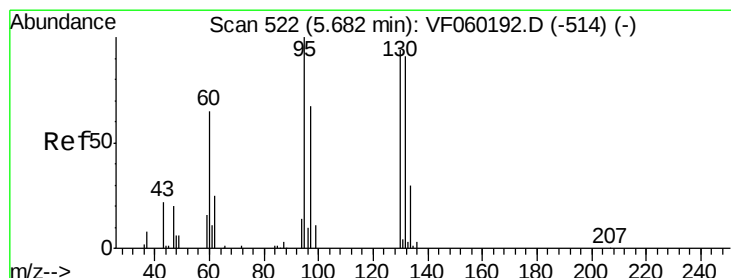
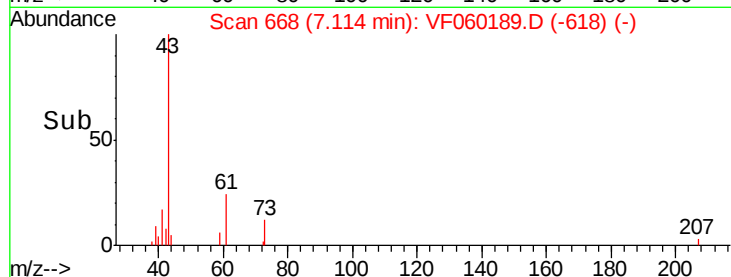
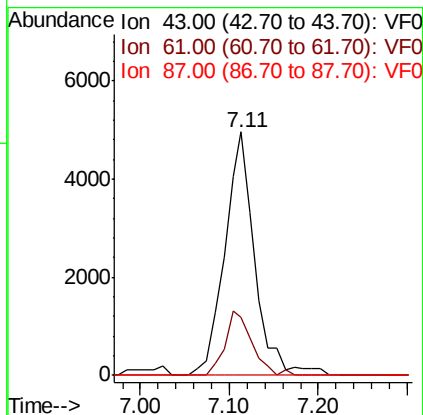
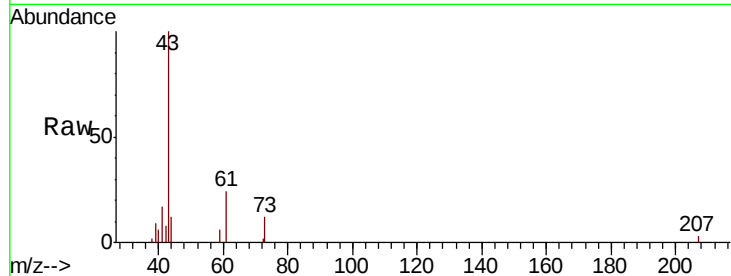
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	11713
Ion	Ratio	Lower	Upper
43	100		
61	24.1	21.4	32.0
87	0.0	0.3	0.5#

Manual Integrations
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#44

Trichloroethene

Concen: 4.51 ug/l

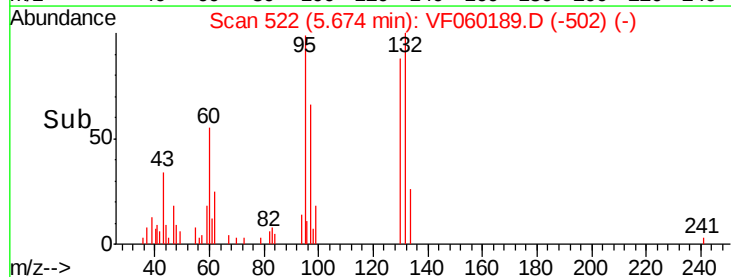
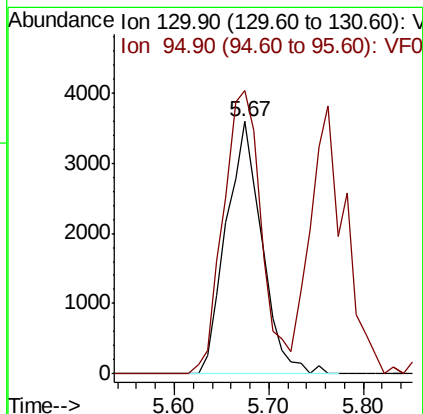
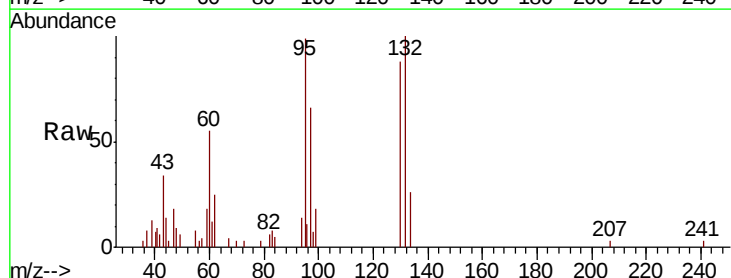
RT: 5.67 min Scan# 522

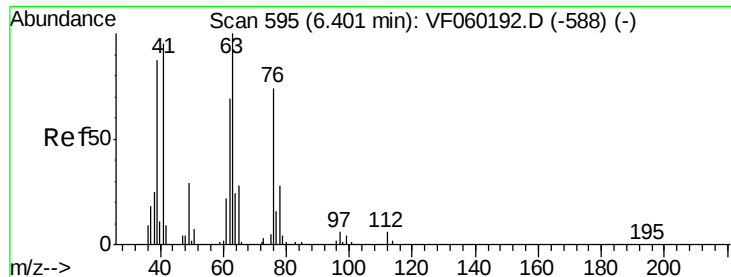
Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Tgt Ion:	130	Resp:	9400
Ion	Ratio	Lower	Upper
130	100		
95	112.1	0.0	213.4





#45

1,2-Dichloropropane

Concen: 4.57 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 7927

Ion Ratio Lower Upper

63 100

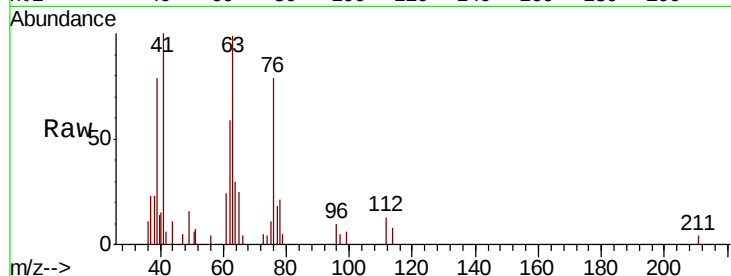
65 25.6 22.2 33.4

Manual Integrations

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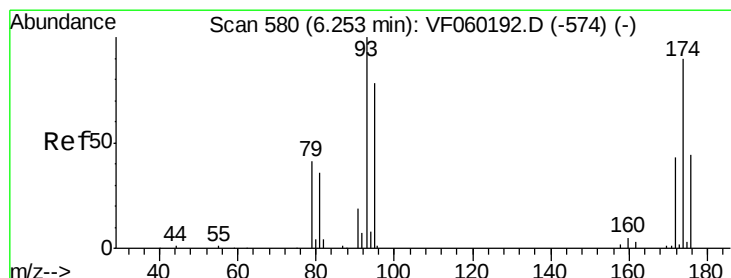
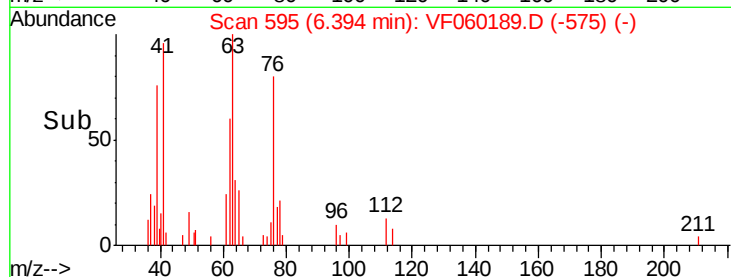
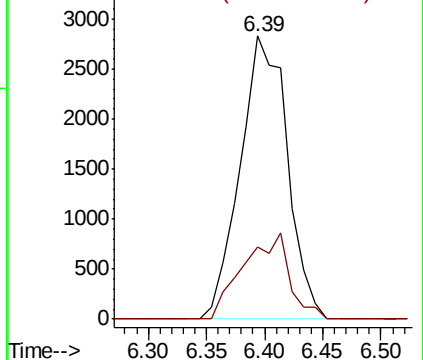
apatel

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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: 4.35 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

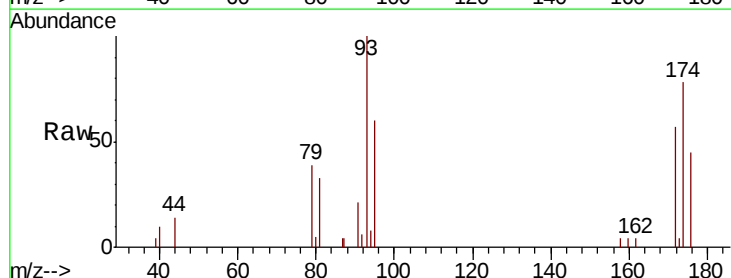
Tgt Ion: 93 Resp: 7069

Ion Ratio Lower Upper

93 100

95 60.5 63.4 95.2#

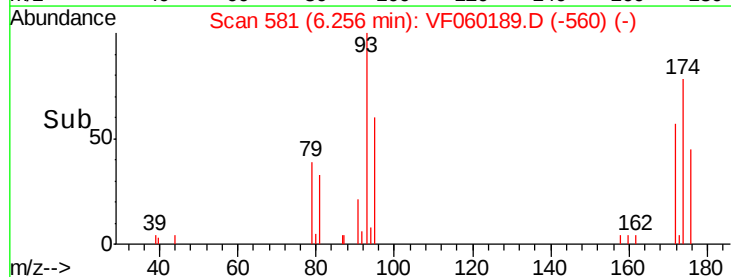
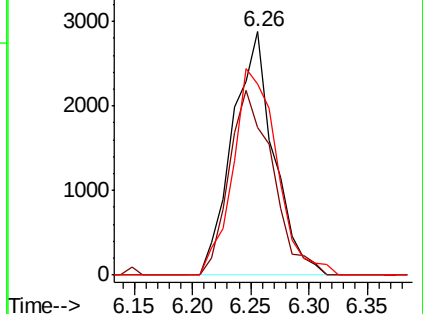
174 78.3 72.0 108.0

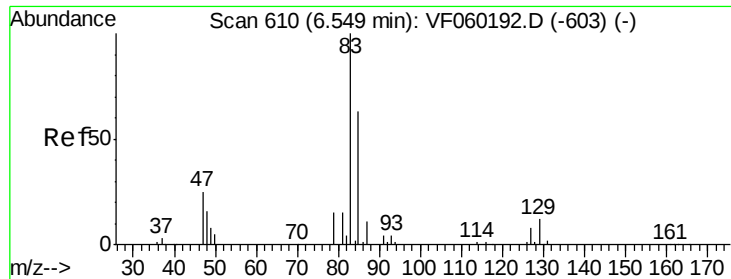


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 4.41 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

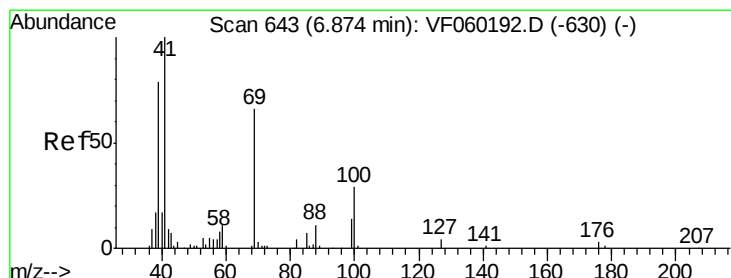
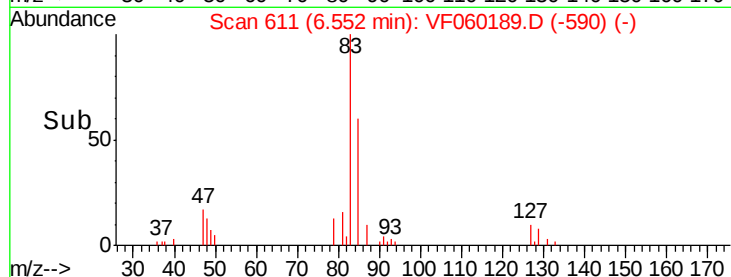
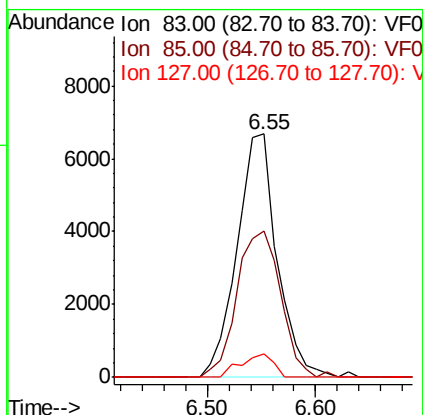
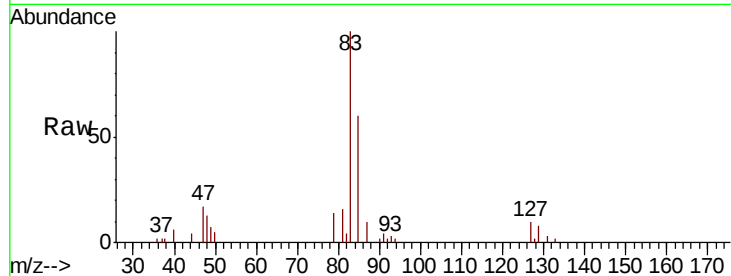
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	17224
Ion	Ratio	Lower	Upper
83	100		
85	60.1	50.1	75.1
127	9.6	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.60 ug/l

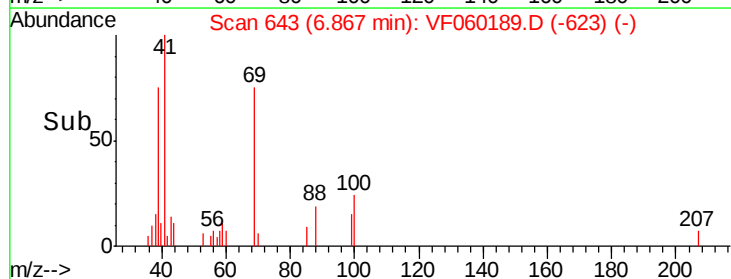
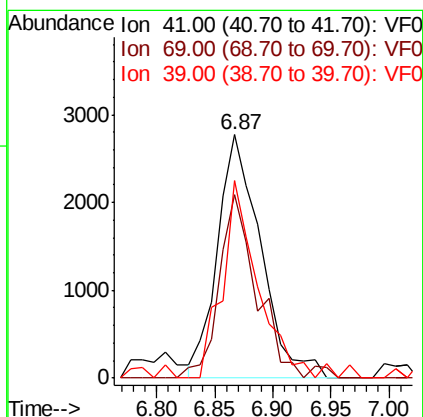
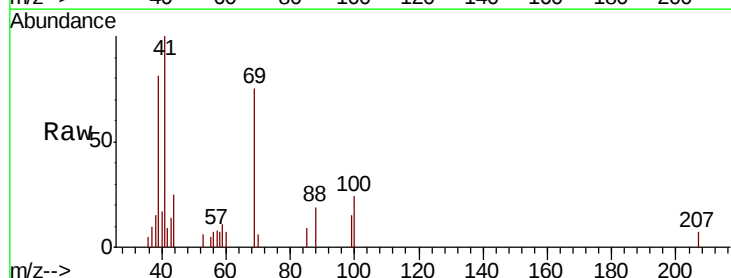
RT: 6.87 min Scan# 643

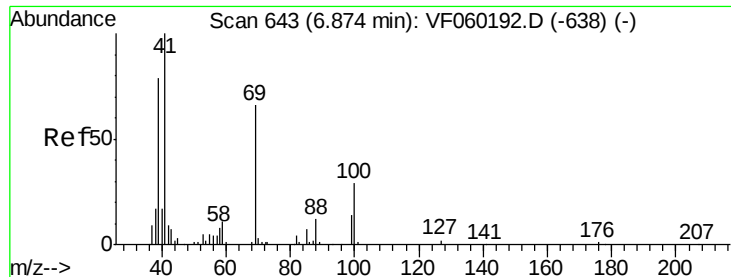
Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Tgt Ion:	41	Resp:	7165
Ion	Ratio	Lower	Upper
41	100		
69	75.2	52.4	78.6
39	81.0	63.6	95.4





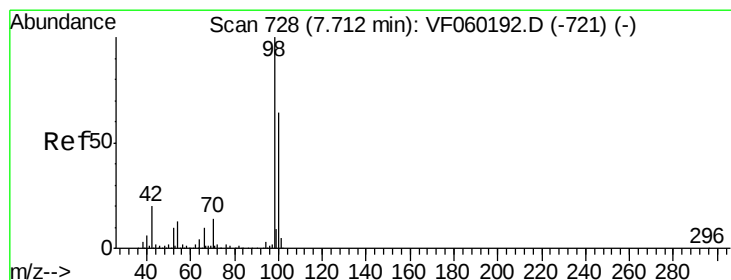
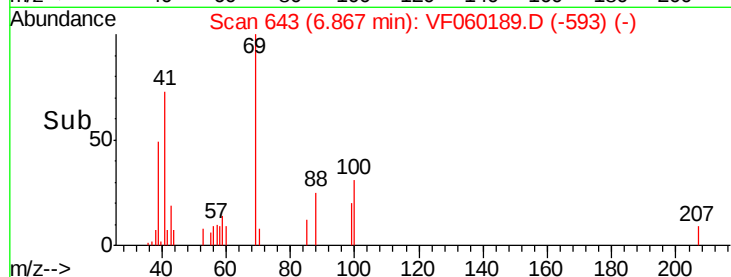
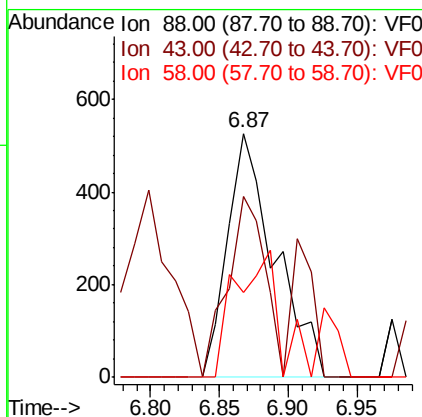
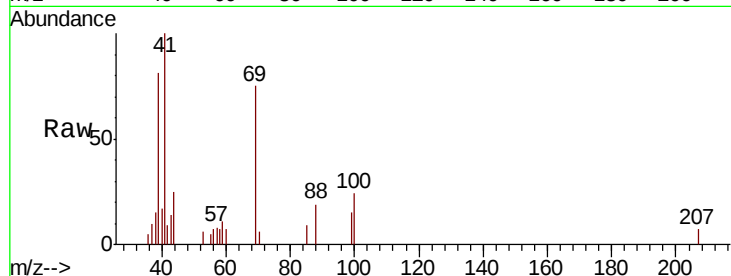
#49
1,4-Dioxane
Concen: 92.07 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
88	100	1261		
43	74.1		56.5	84.7
58	34.6		53.5	80.3

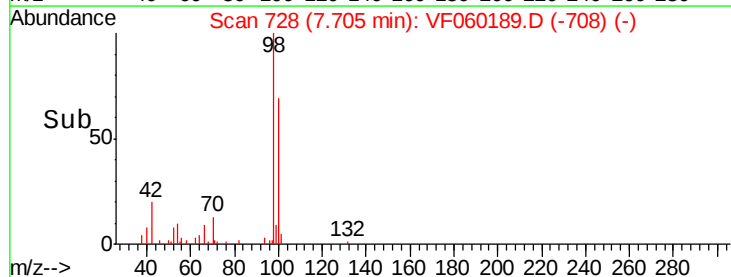
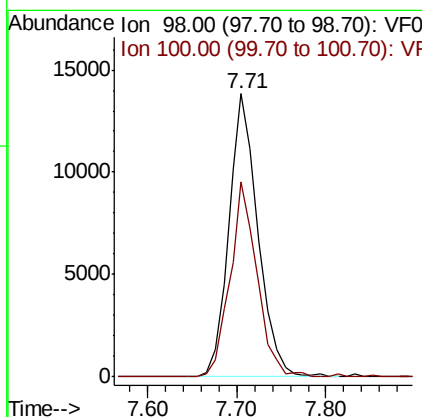
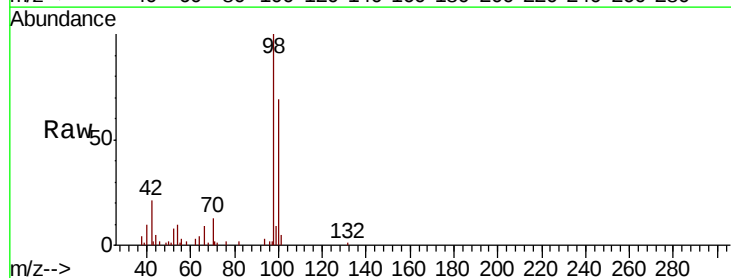
Manual Integrations
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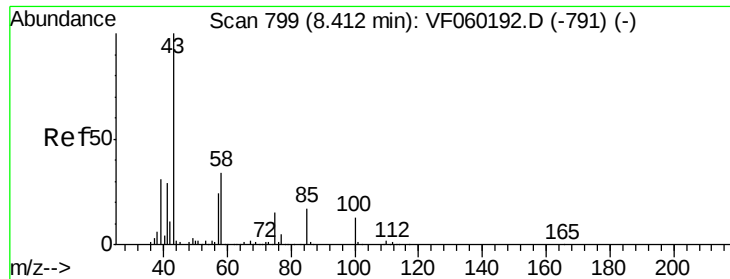
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#50
Toluene-d8
Concen: 4.88 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	31539		
100	69.1		51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 29.96 ug/l

RT: 8.40 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 60854

Ion Ratio Lower Upper

43 100

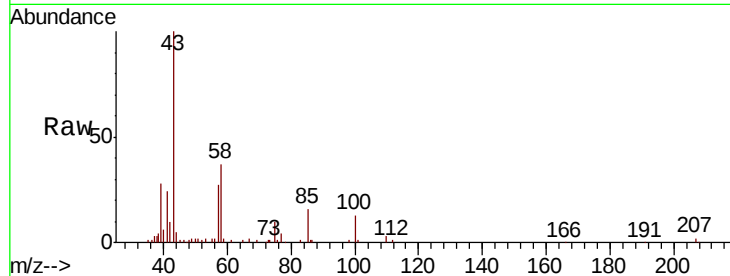
58 36.7 27.2 40.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

25000

20000

15000

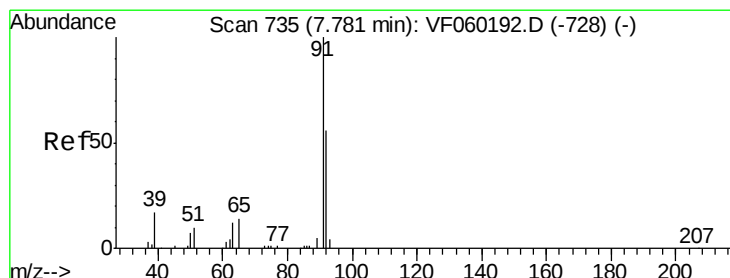
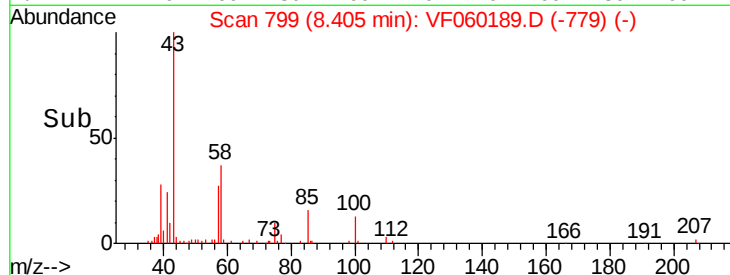
10000

5000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 5.29 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060189.D

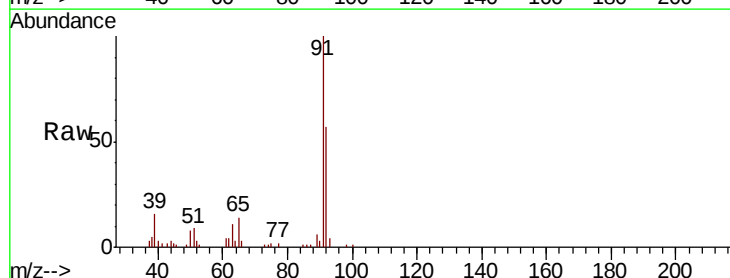
Acq: 29 Aug 2018 14:40

Tgt Ion: 92 Resp: 23147

Ion Ratio Lower Upper

92 100

91 175.1 143.2 214.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

20000

15000

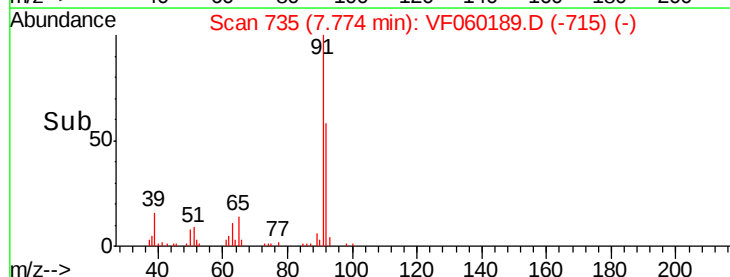
10000

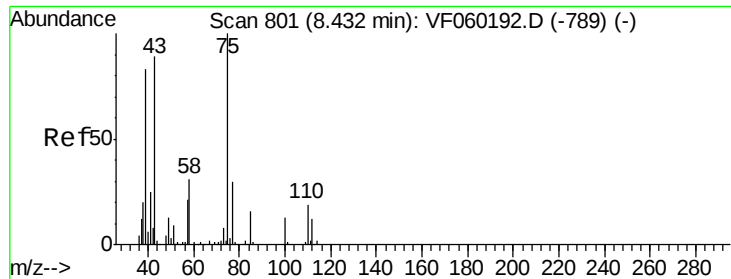
5000

0

7.70 7.80 7.90

Time-->





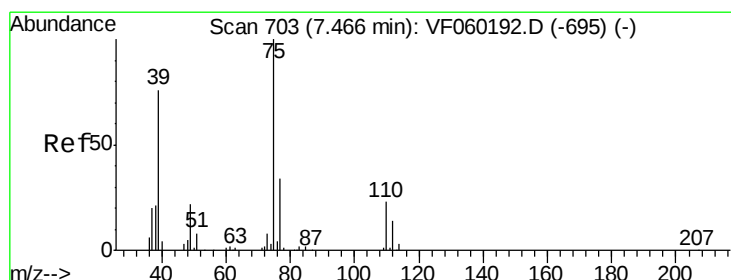
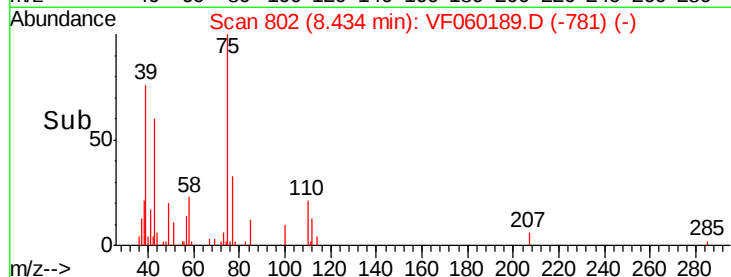
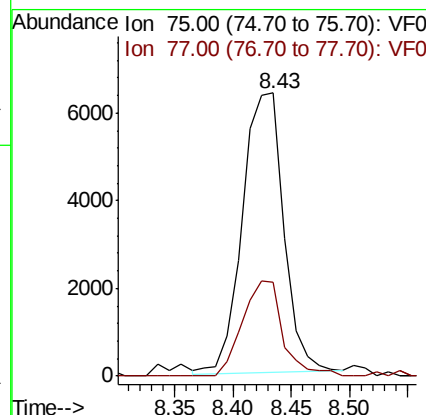
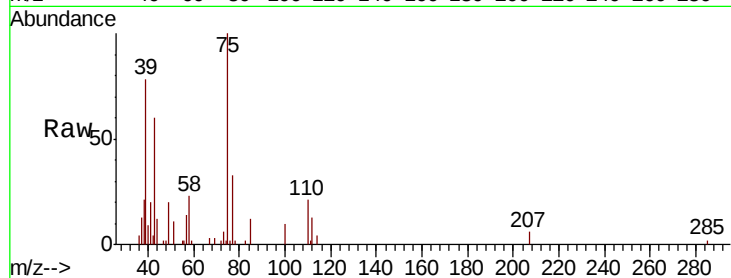
#53
t-1,3-Dichloropropene
Concen: 4.44 ug/l
RT: 8.43 min Scan# 802
Delta R.T. 0.00 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 15749
Ion Ratio Lower Upper
75 100
77 33.4 24.2 36.4

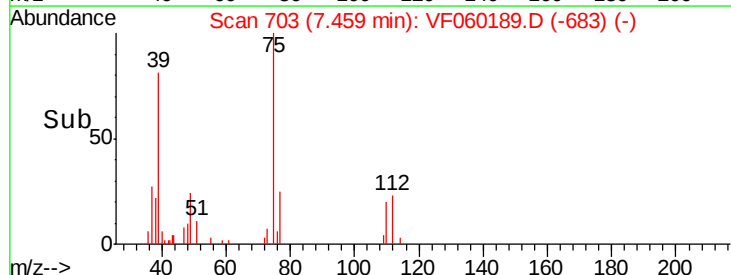
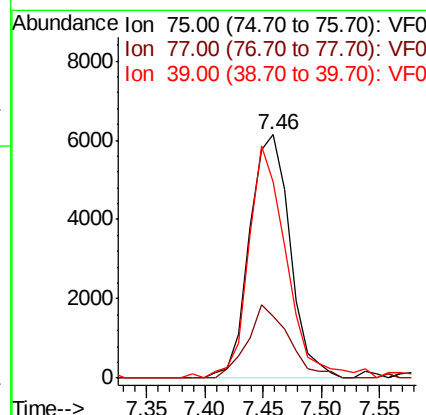
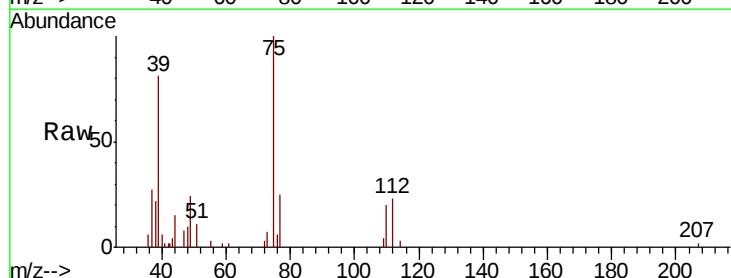
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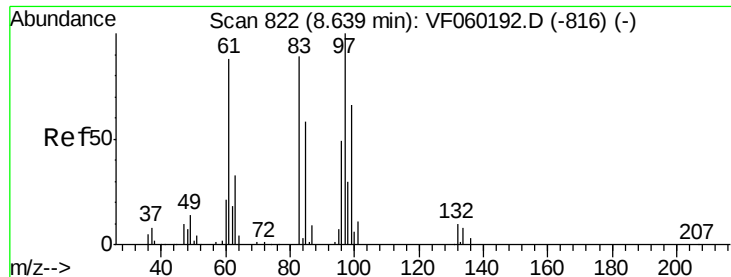
apatel
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#54
cis-1,3-Dichloropropene
Concen: 4.16 ug/l
RT: 7.46 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Tgt Ion: 75 Resp: 14823
Ion Ratio Lower Upper
75 100
77 25.4 27.0 40.4#
39 80.5 61.4 92.0





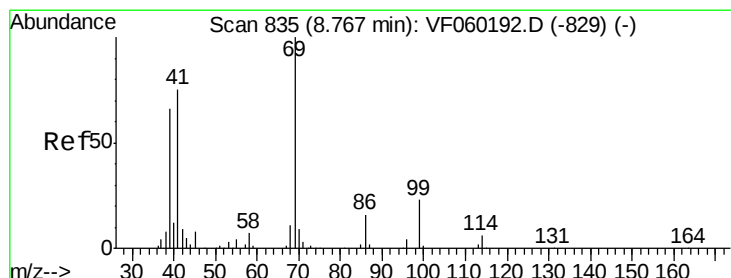
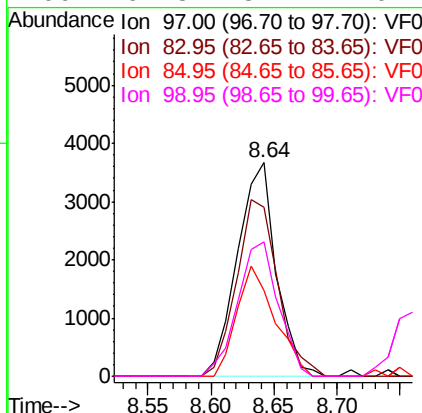
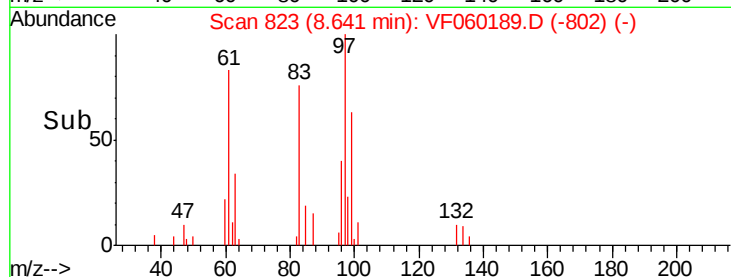
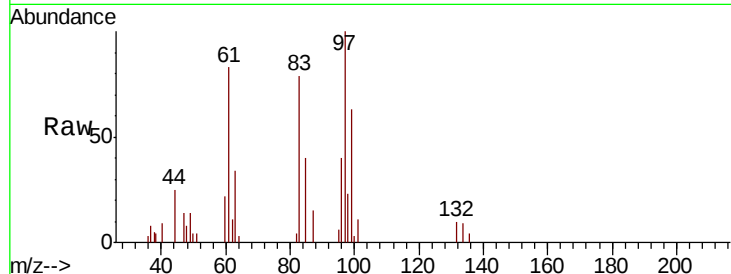
#55
 1,1,2-Trichloroethane
 Concen: 4.39 ug/l
 RT: 8.64 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VF060189.D
 Acq: 29 Aug 2018 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	7840
Ion	Ratio	Lower	Upper
97	100		
83	79.2	71.0	106.4
85	40.2	46.6	70.0#
99	62.8	52.7	79.1

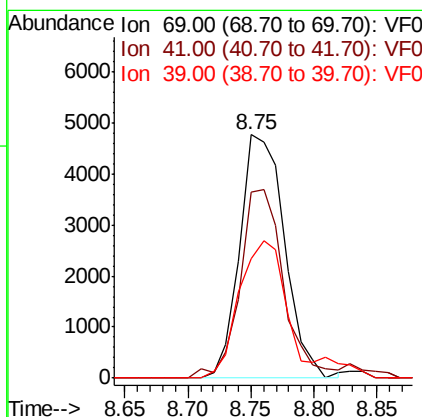
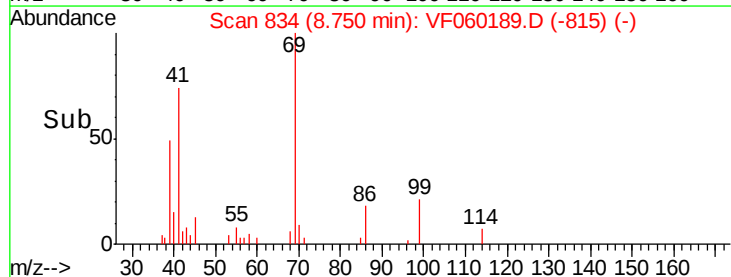
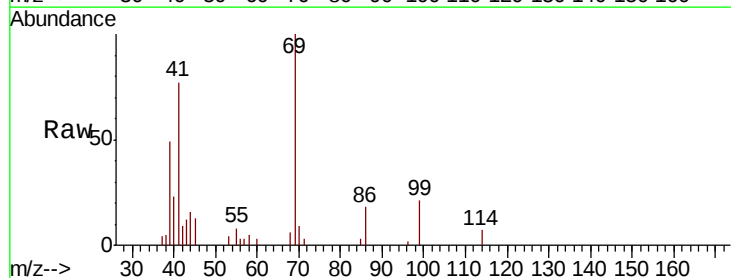
Manual Integrations
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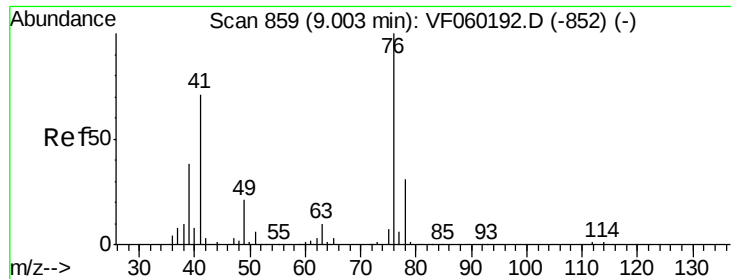
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#56
 Ethyl methacrylate
 Concen: 5.54 ug/l
 RT: 8.75 min Scan# 834
 Delta R.T. -0.02 min
 Lab File: VF060189.D
 Acq: 29 Aug 2018 14:40

Tgt Ion:	69	Resp:	11756
Ion	Ratio	Lower	Upper
69	100		
41	76.6	60.6	90.8
39	48.8	53.4	80.2#





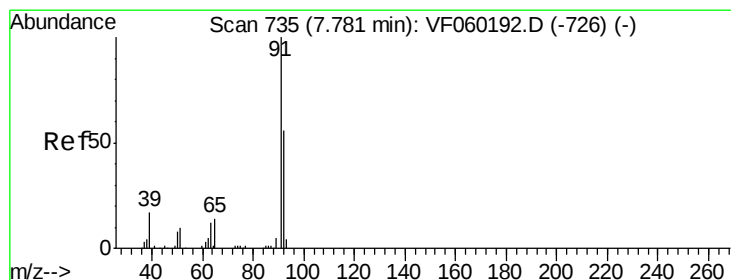
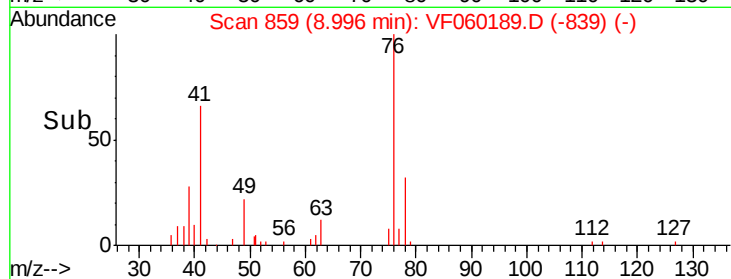
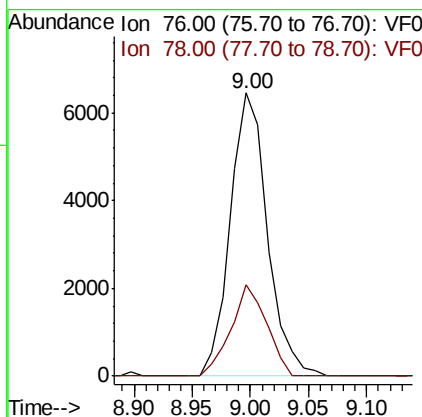
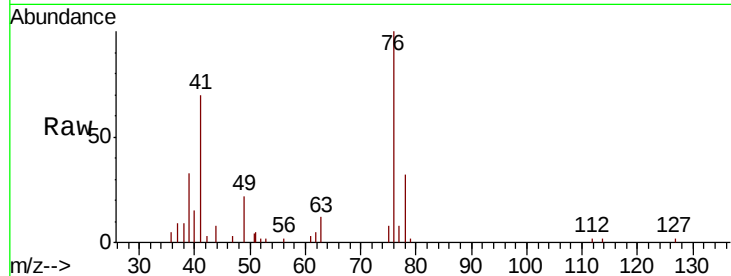
#57
 1,3-Dichloropropane
 Concen: 4.56 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.01 min
 Lab File: VF060189.D
 Acq: 29 Aug 2018 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	24.5	36.7

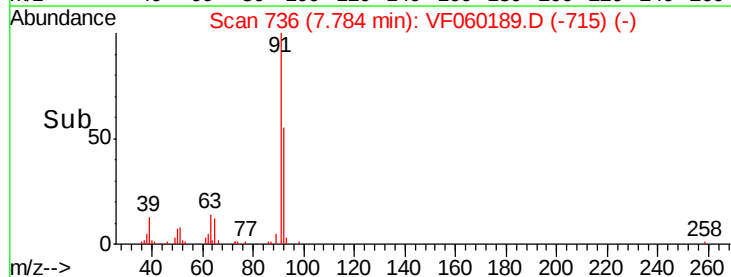
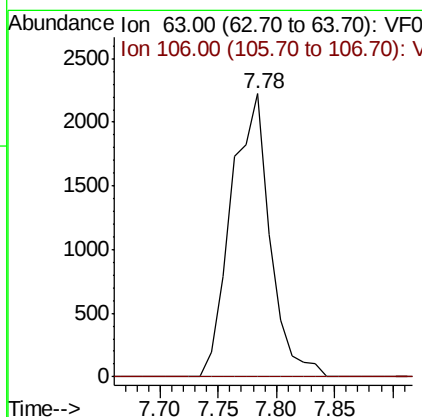
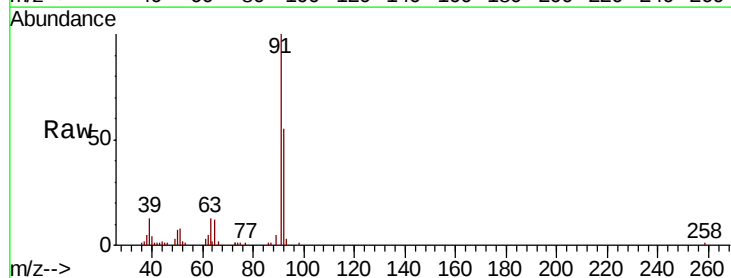
Manual Integrations
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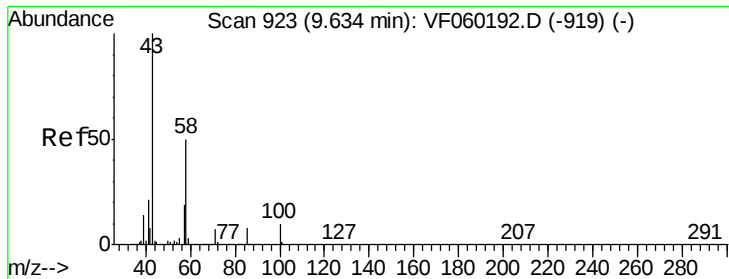
apatel
 8/30/2018 3:00:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 26.98 ug/l
 RT: 7.78 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: VF060189.D
 Acq: 29 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





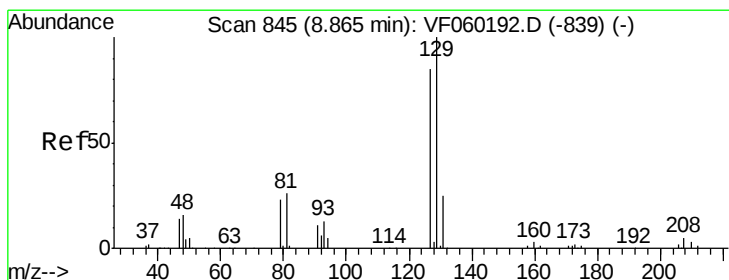
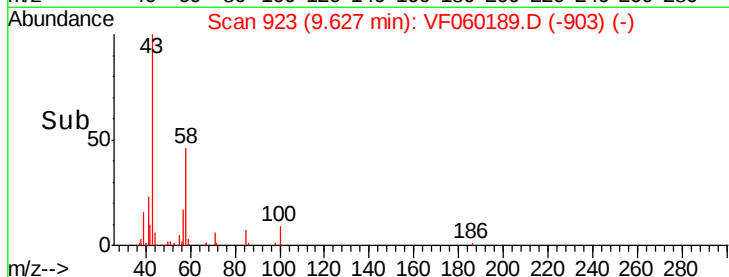
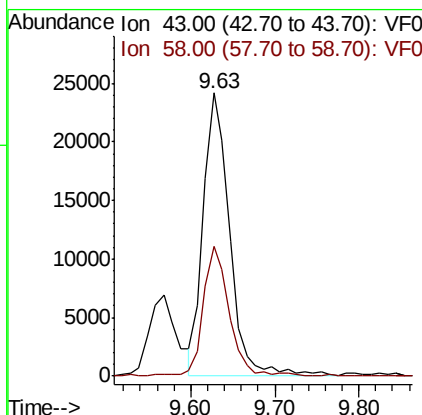
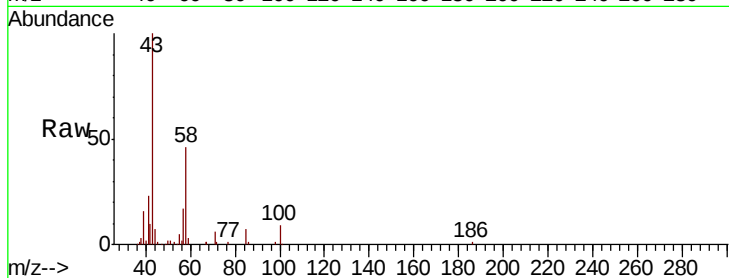
#59
2-Hexanone
Concen: 32.45 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 52689
Ion Ratio Lower Upper
43 100
58 45.7 23.0 69.0

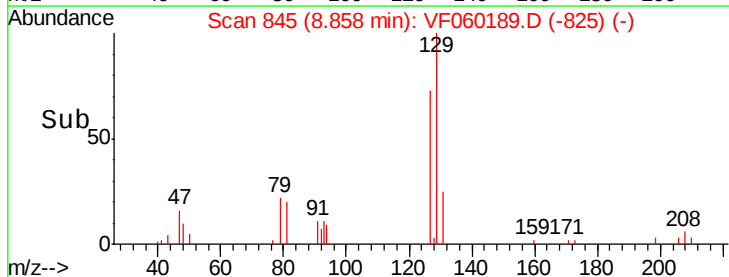
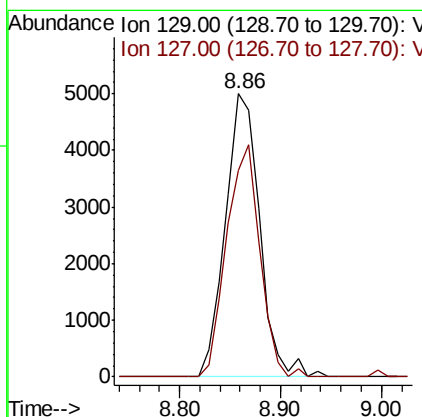
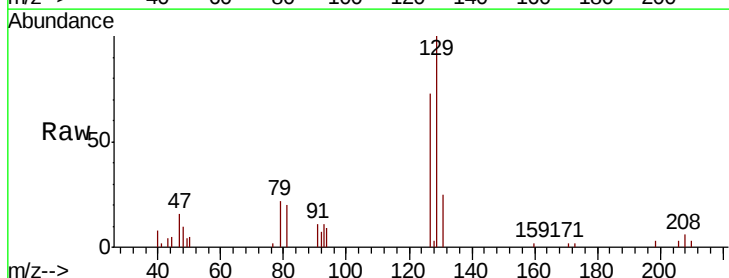
Manual Integrations
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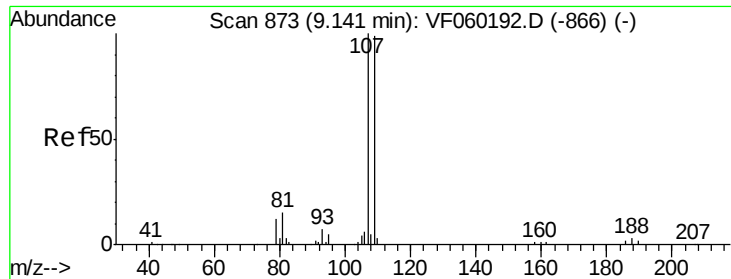
apatel
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#60
Dibromochloromethane
Concen: 4.16 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Tgt Ion: 129 Resp: 11837
Ion Ratio Lower Upper
129 100
127 72.8 42.5 127.5





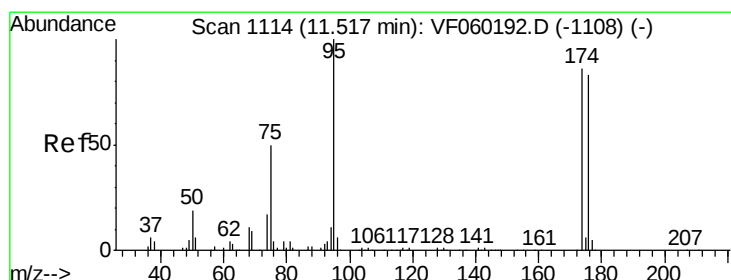
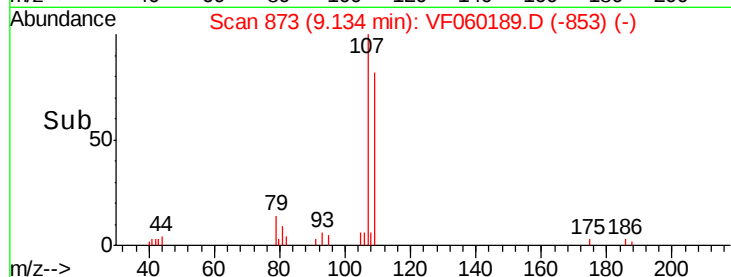
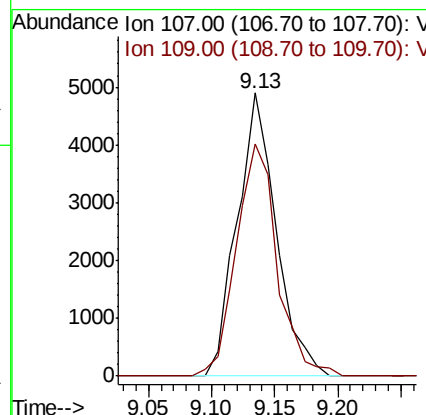
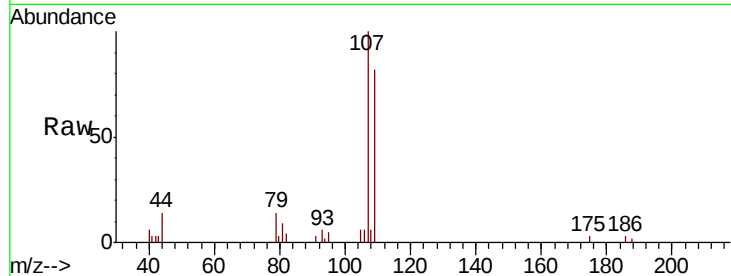
#61
 1,2-Dibromoethane
 Concen: 4.90 ug/l
 RT: 9.13 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VF060189.D
 Acq: 29 Aug 2018 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	82.2	79.5	119.3

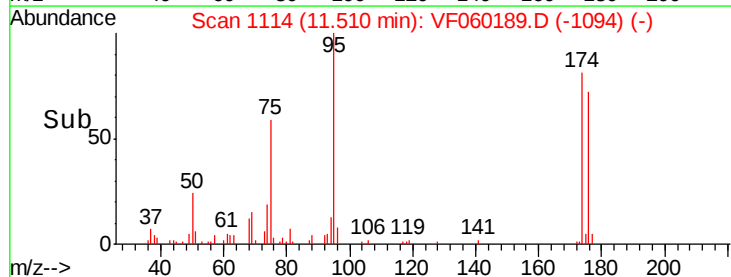
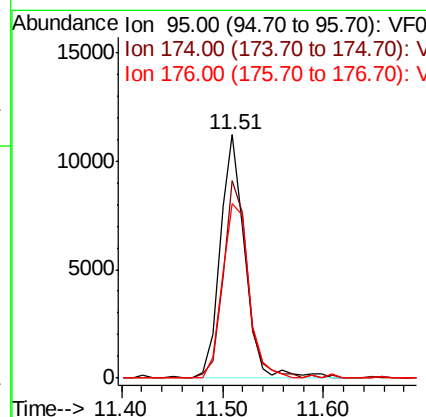
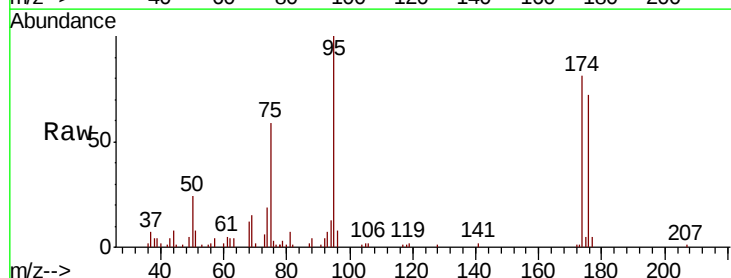
Manual Integrations
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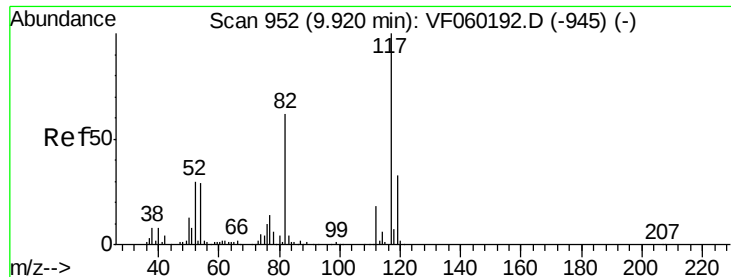
apatel
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#62
 4-Bromofluorobenzene
 Concen: 4.95 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. -0.01 min
 Lab File: VF060189.D
 Acq: 29 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	171.2
176	71.8	0.0	167.0





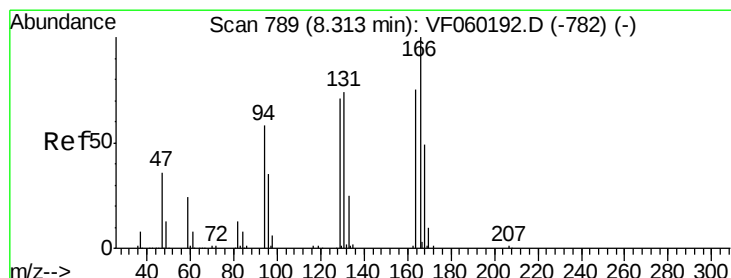
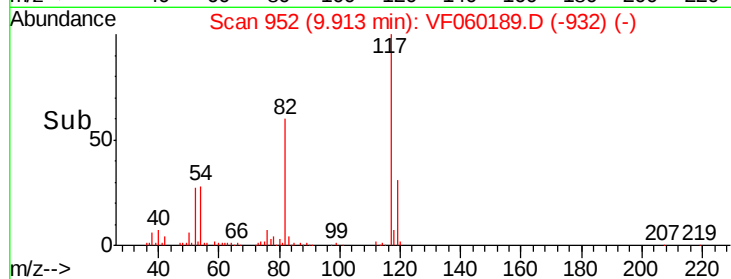
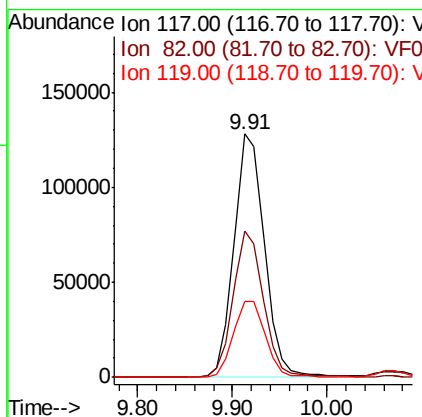
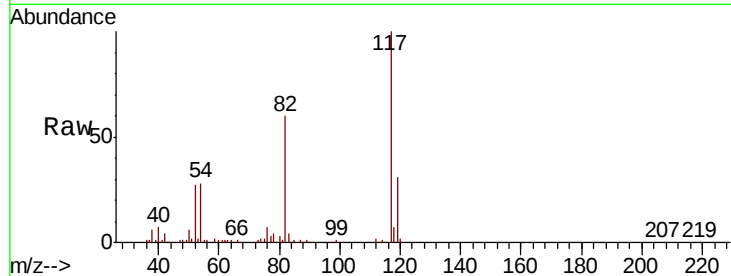
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.0	49.9	74.9
119	31.1	26.5	39.7

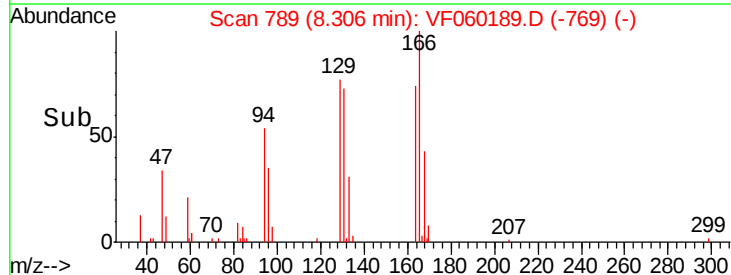
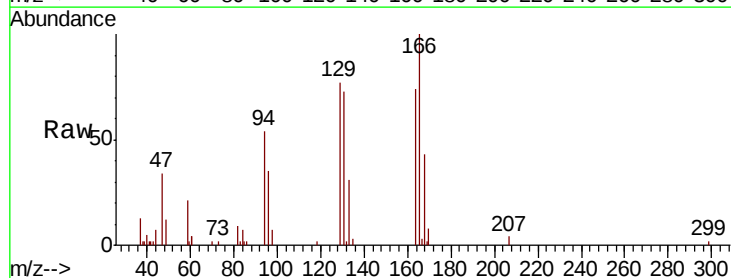
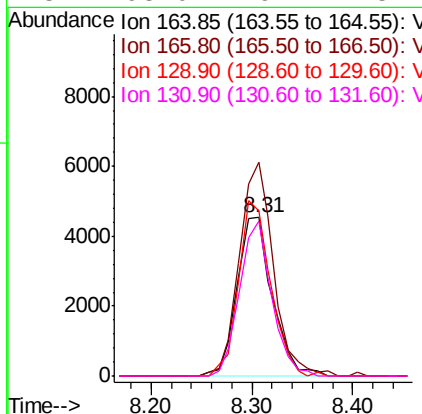
Manual Integrations
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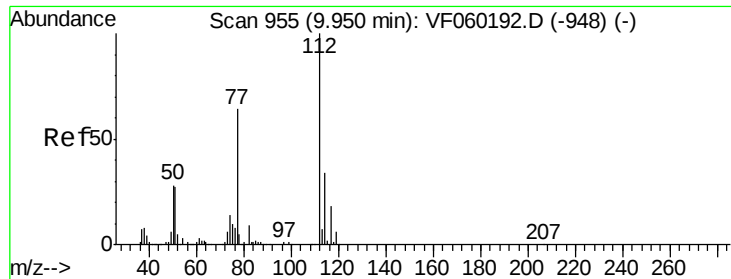
apatel
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#64
Tetrachloroethene
Concen: 5.21 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.7	106.6	160.0
129	104.2	75.4	113.0
131	98.0	79.1	118.7





#65

Chlorobenzene

Concen: 5.20 ug/l

RT: 9.94 min Scan# 955

Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 30848

Ion Ratio Lower Upper

112 100

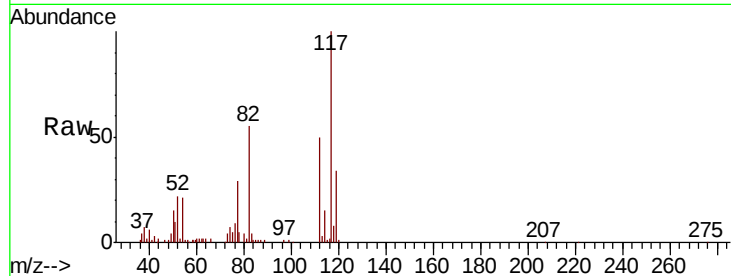
114 30.2 26.8 40.2

Manual Integrations

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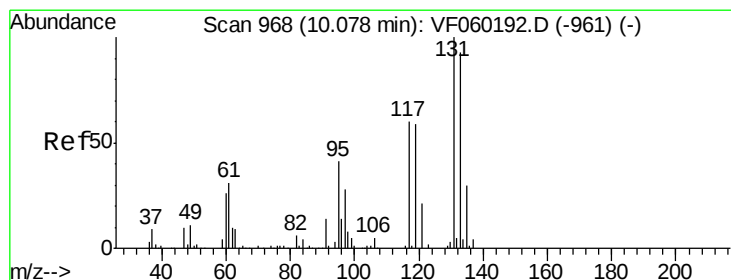
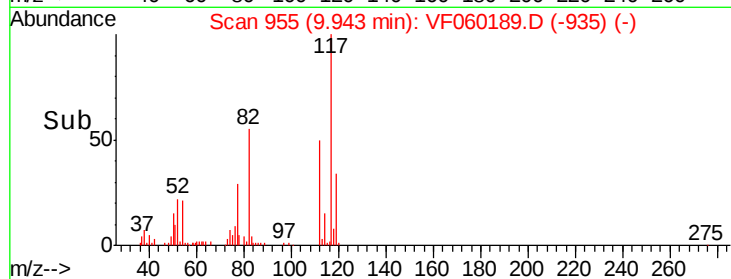
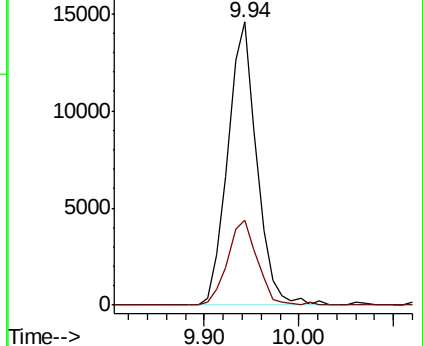
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.65 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

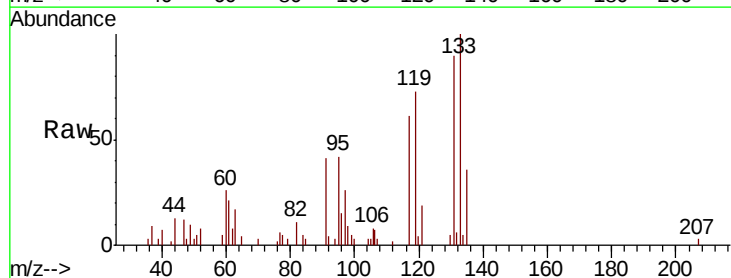
Tgt Ion:131 Resp: 11450

Ion Ratio Lower Upper

131 100

133 111.2 46.6 139.7

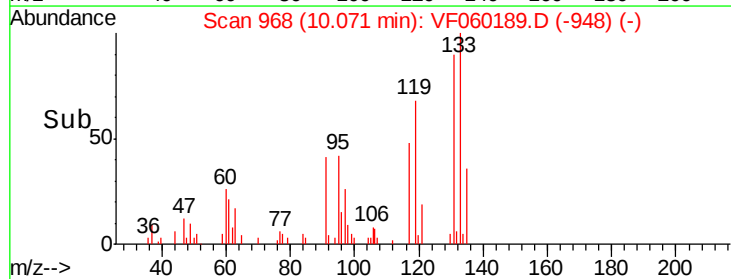
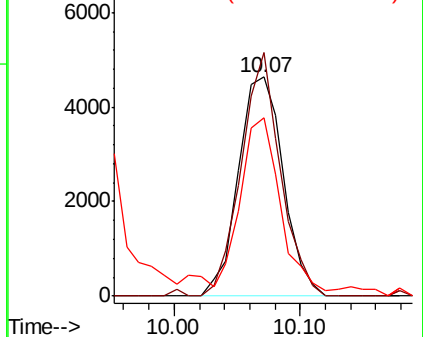
119 81.2 29.9 89.7

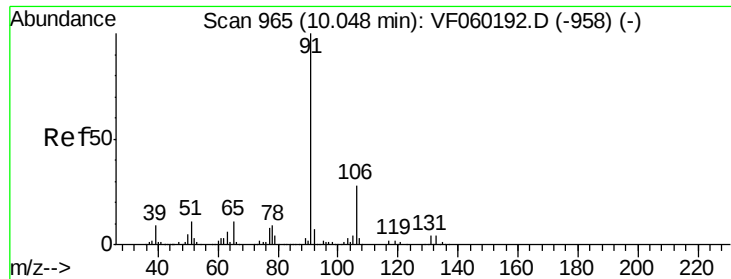


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





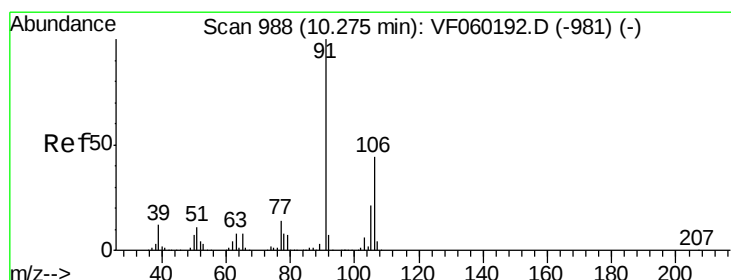
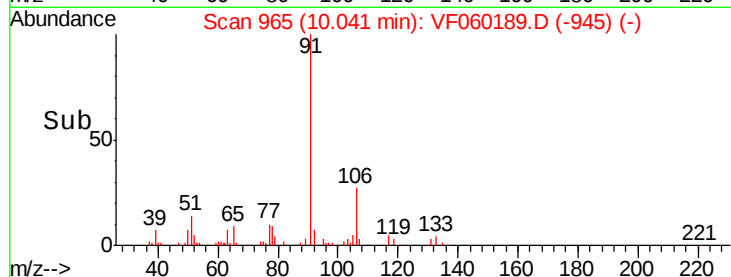
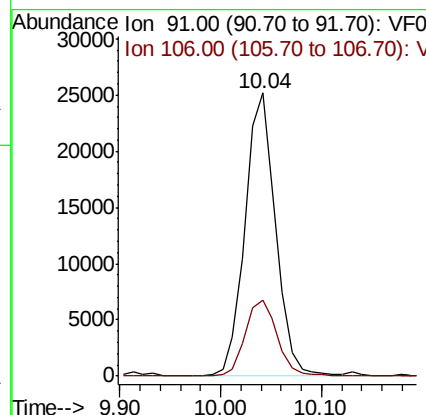
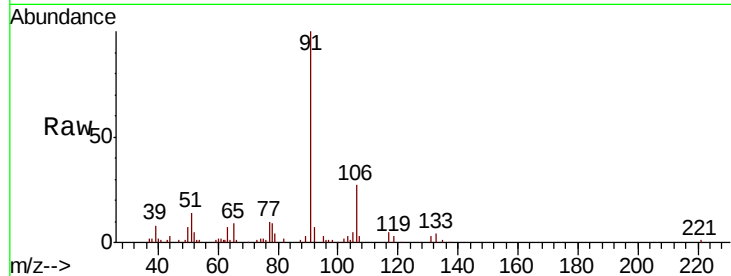
#67
Ethyl Benzene
Concen: 5.09 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	91	Resp	53409
Ion Ratio	Lower	Upper	
91	100		
106	27.1	22.0	33.0

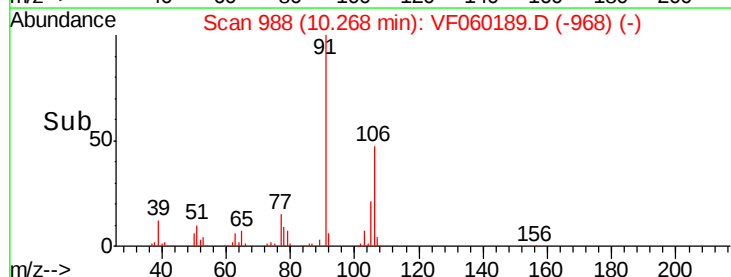
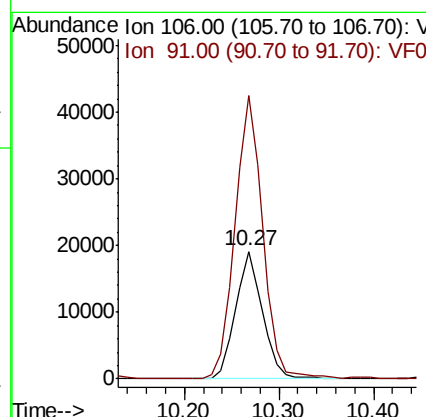
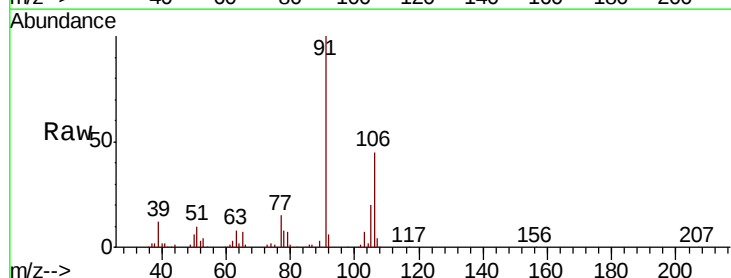
Manual Integrations
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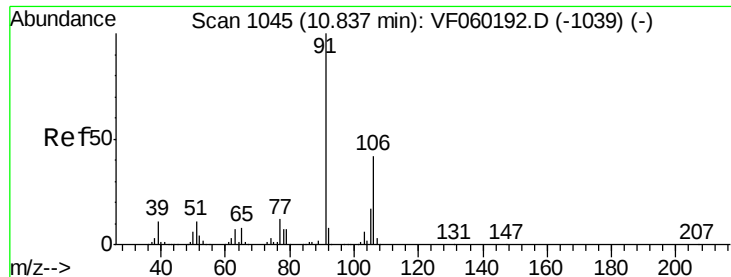
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#68
m/p-Xylenes
Concen: 10.15 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Tgt Ion	106	Resp	37705
Ion Ratio	Lower	Upper	
106	100		
91	221.4	183.4	275.0





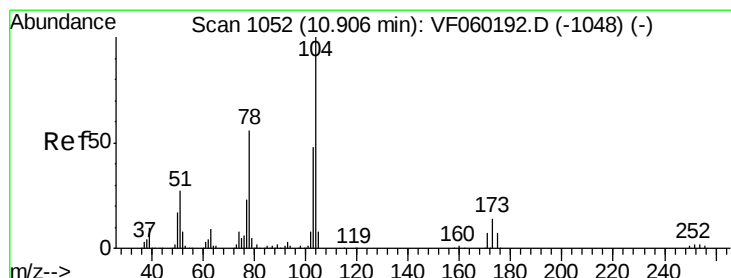
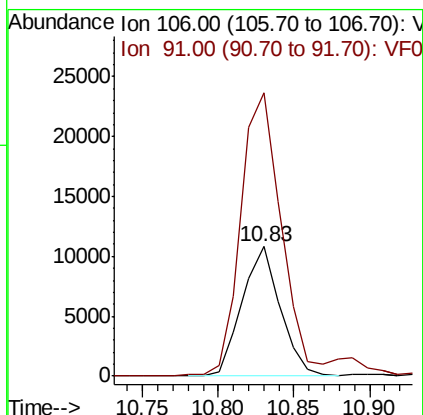
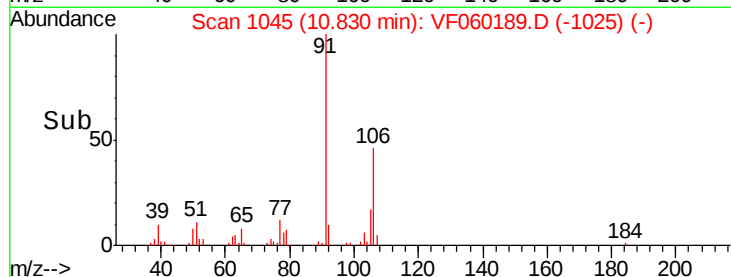
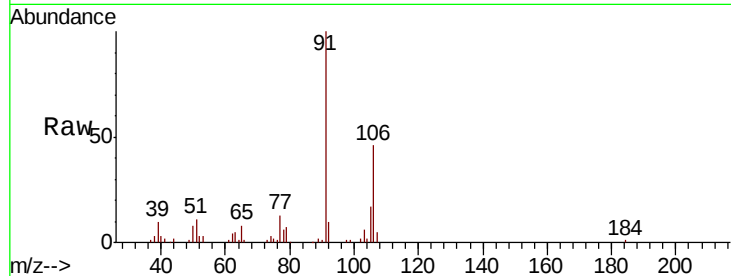
#69
o-Xylene
Concen: 4.96 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Instrument :
MSVOA_F
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 19170
Ion Ratio Lower Upper
106 100
91 218.9 120.2 360.6

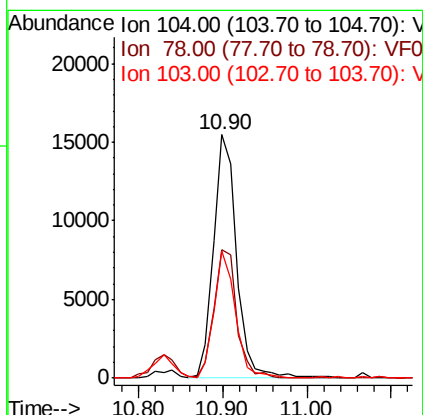
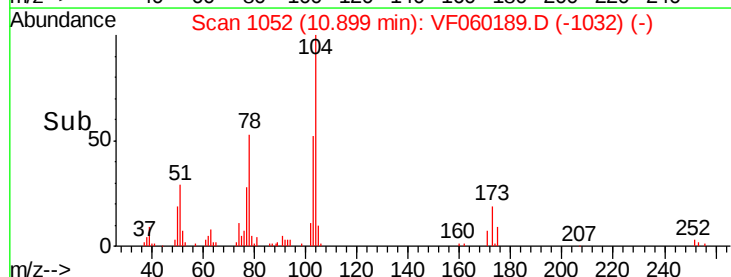
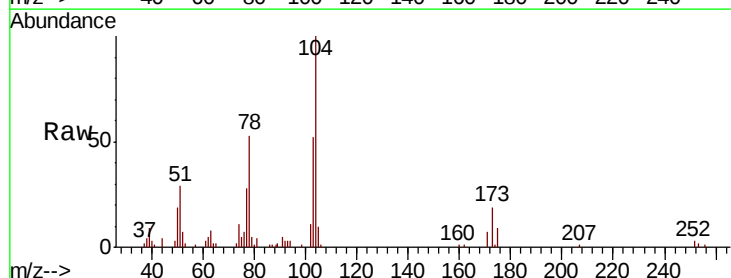
Manual Integrations
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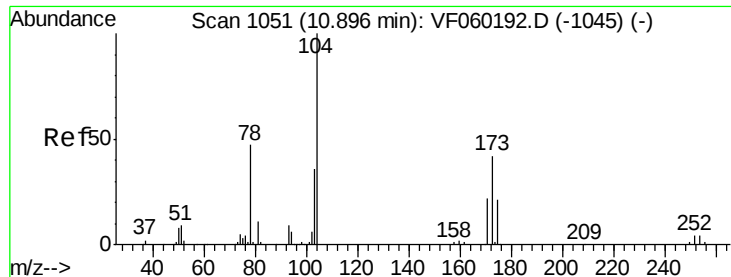
apatel
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#70
Styrene
Concen: 4.86 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Tgt Ion:104 Resp: 29689
Ion Ratio Lower Upper
104 100
78 52.8 45.4 68.0
103 52.4 38.9 58.3





#71

Bromoform

Concen: 4.45 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

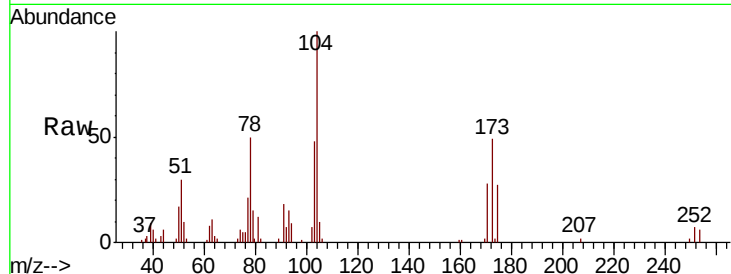
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	55.3	24.8	74.3
254	0.0	0.0	0.0

Manual Integrations
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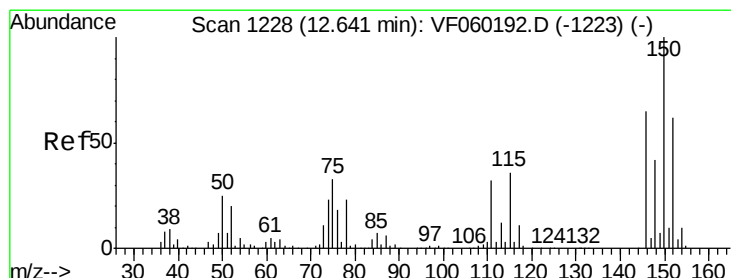
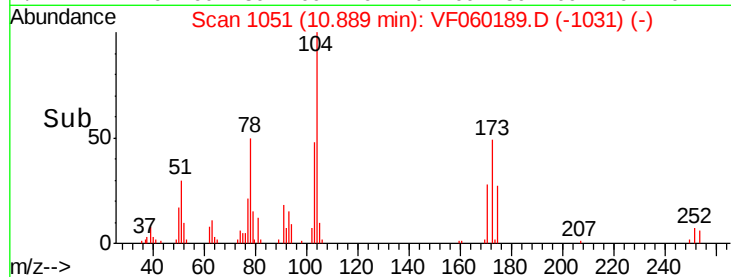
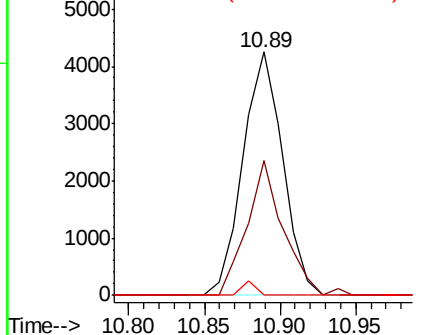


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

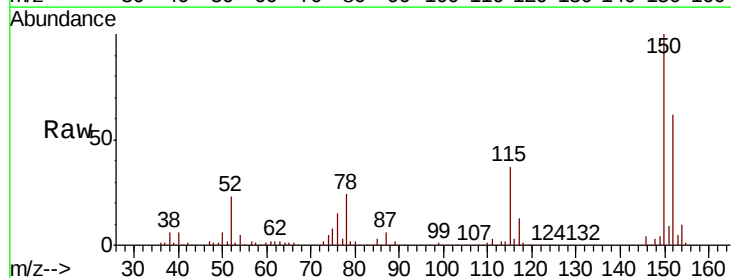
RT: 12.63 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	28.9	86.8
150	162.1	0.0	323.2

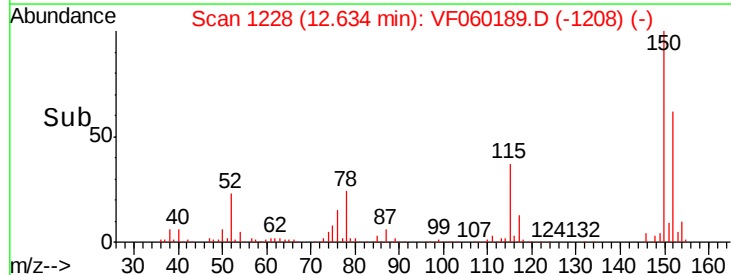
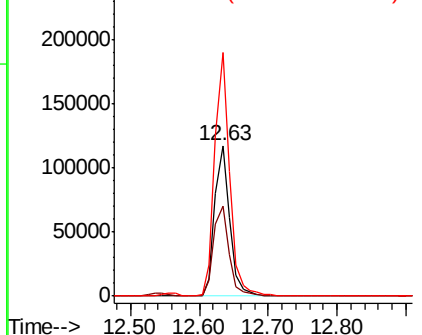


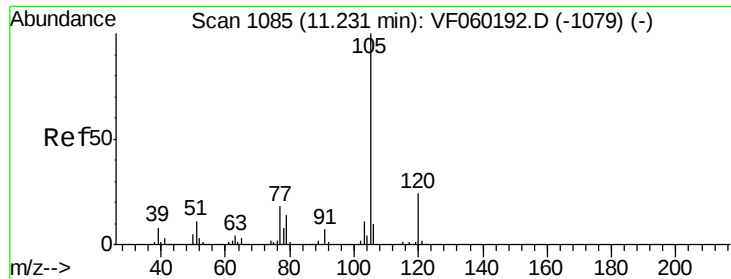
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 5.03 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 59014

Ion Ratio Lower Upper

105 100

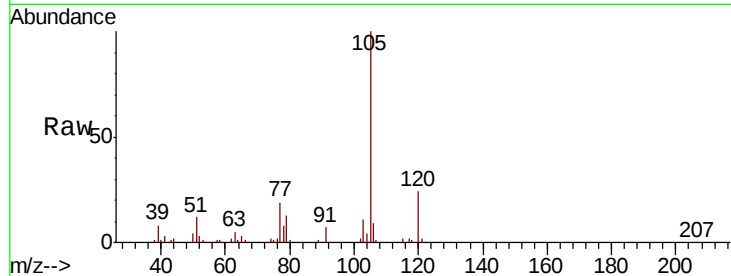
120 23.9 12.3 36.8

Manual Integrations

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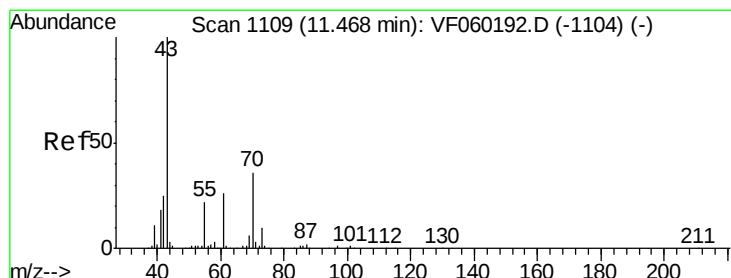
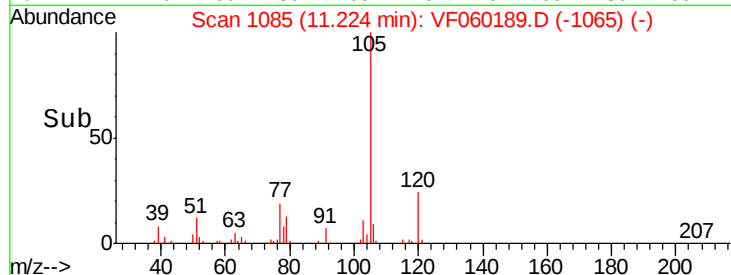
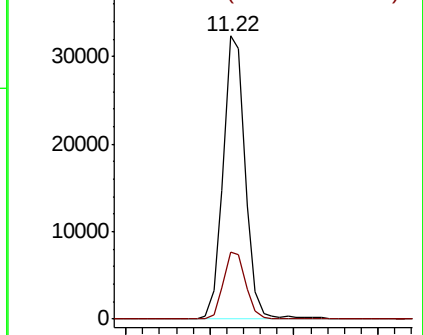
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.81 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Tgt Ion: 43 Resp: 20509

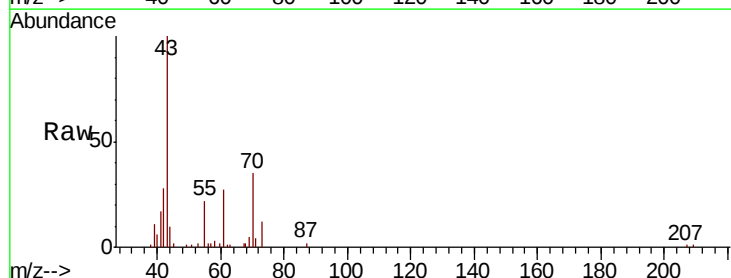
Ion Ratio Lower Upper

43 100

70 34.9 28.6 43.0

55 21.8 17.4 26.2

61 26.7 20.8 31.2

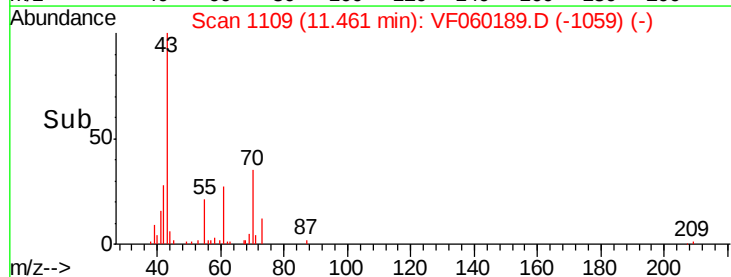
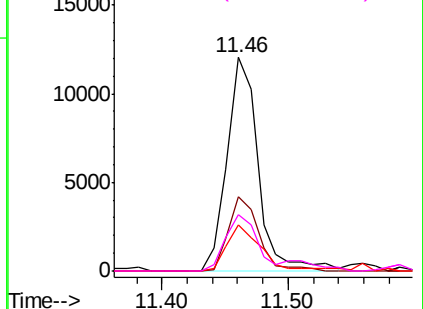


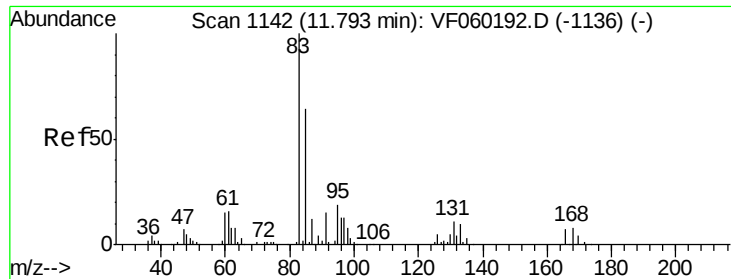
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 5.37 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

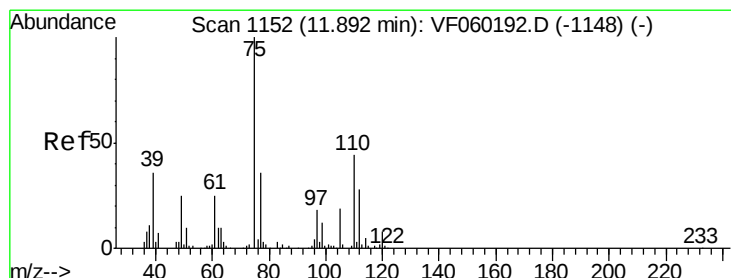
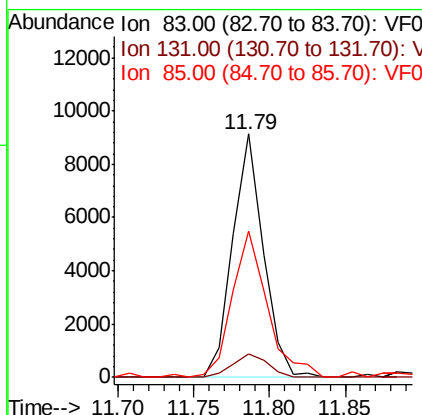
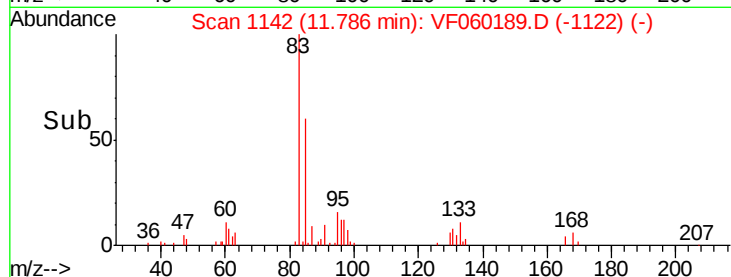
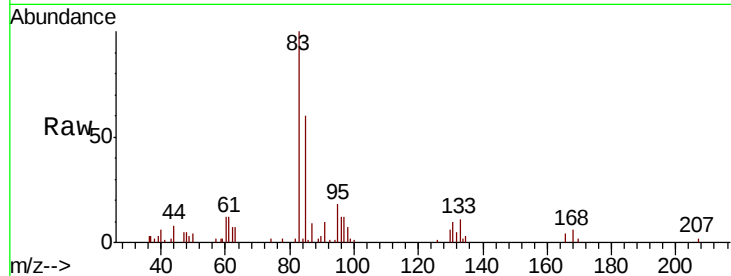
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	12942
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.5	16.5
85	60.2	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.08 ug/l

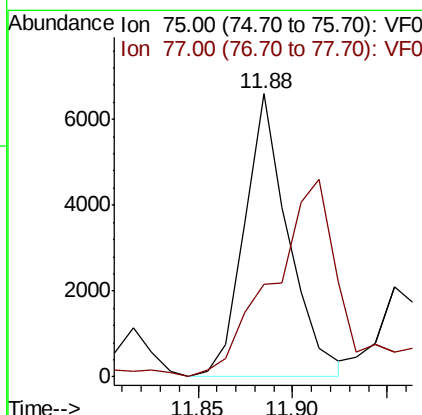
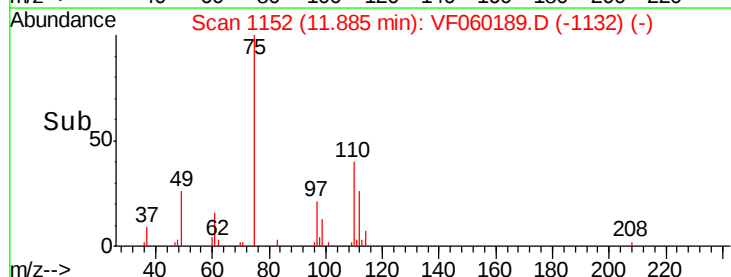
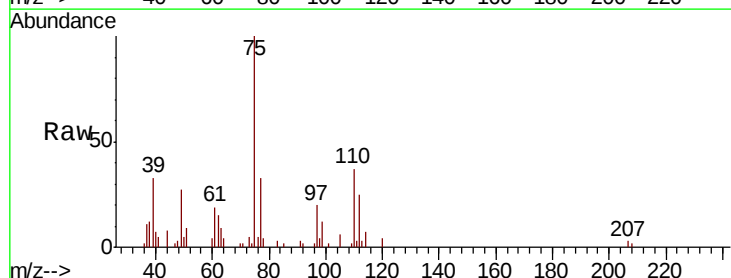
RT: 11.88 min Scan# 1152

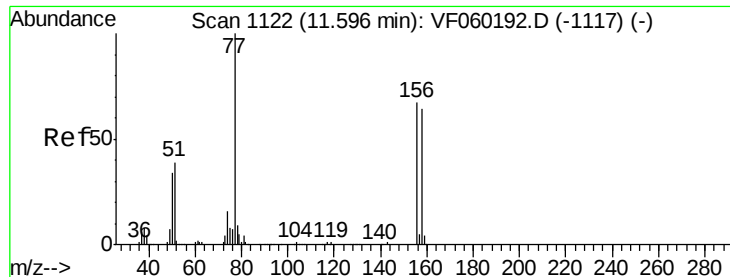
Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Tgt Ion:	75	Resp:	10676
Ion Ratio	Lower	Upper	
75	100		
77	32.9	17.9	53.8





#77

Bromobenzene

Concen: 5.05 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 15708

Ion Ratio Lower Upper

156 100

77 139.7 74.5 223.5

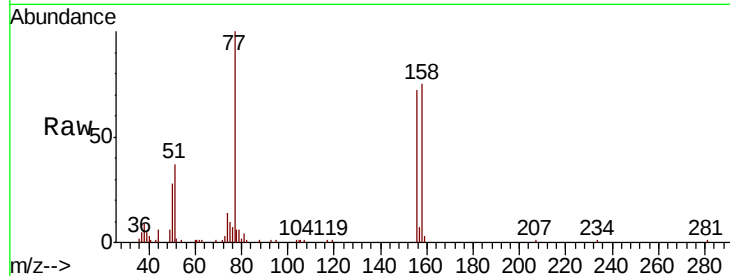
158 105.3 47.3 141.8

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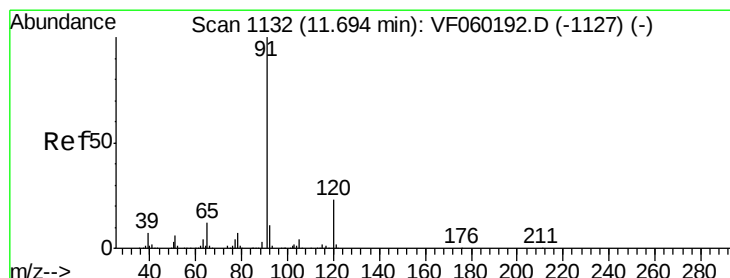
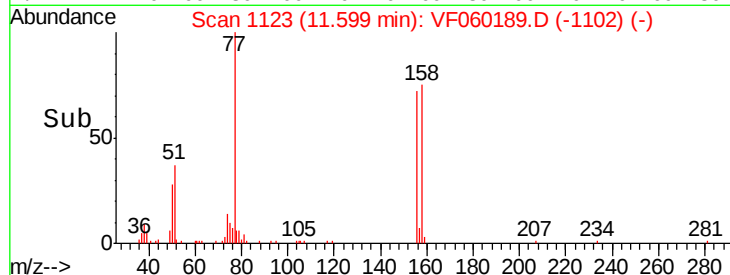
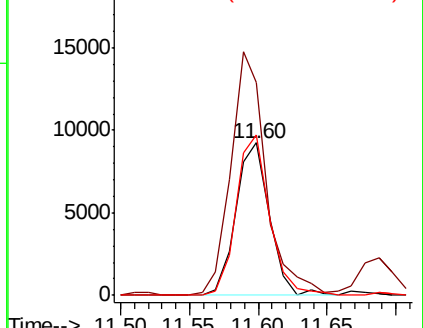
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 5.32 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060189.D

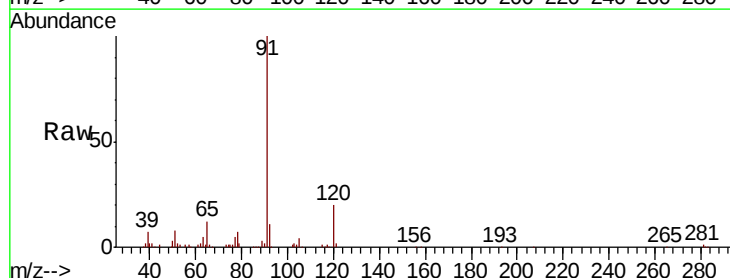
Acq: 29 Aug 2018 14:40

Tgt Ion: 91 Resp: 74415

Ion Ratio Lower Upper

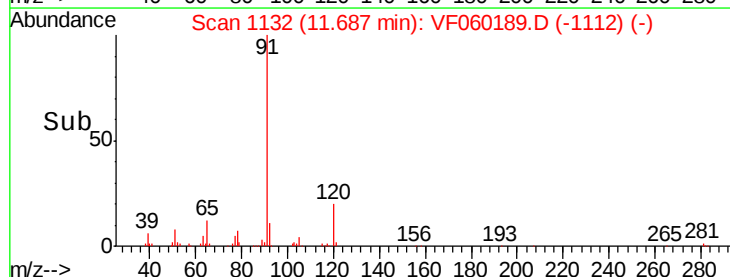
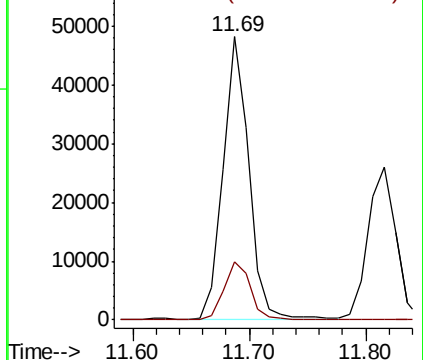
91 100

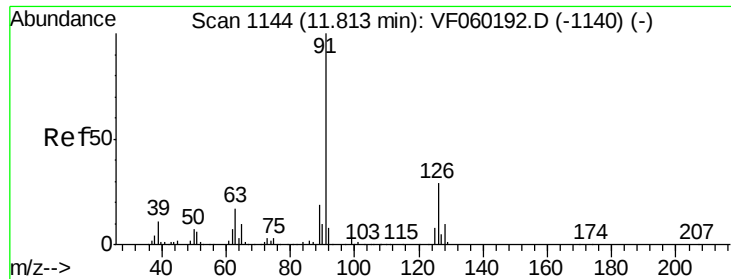
120 20.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.08 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 42758

Ion Ratio Lower Upper

91 100

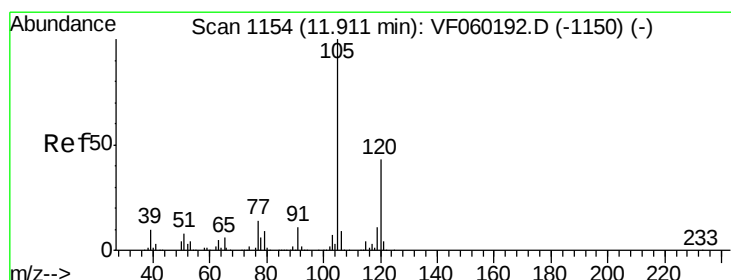
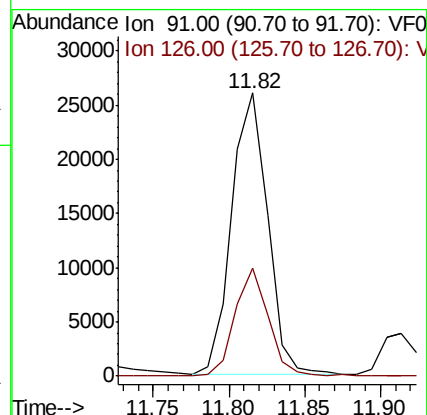
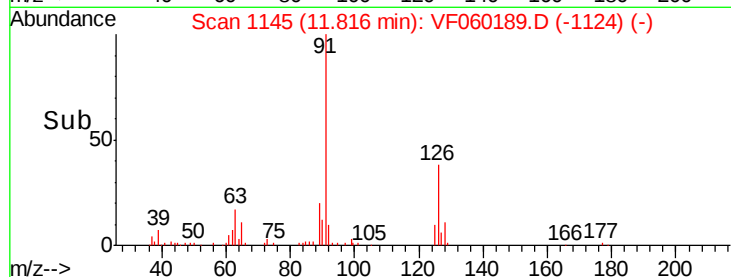
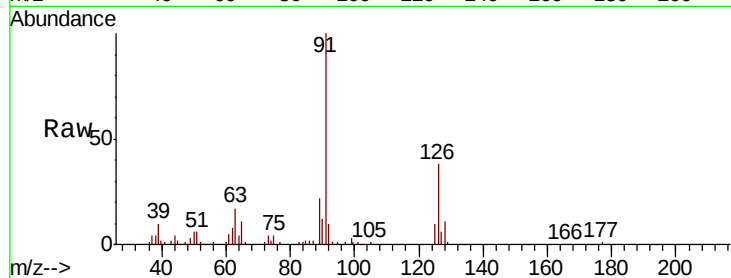
126 38.2 14.7 44.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.09 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF060189.D

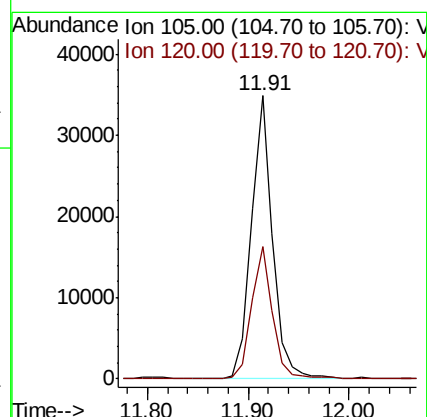
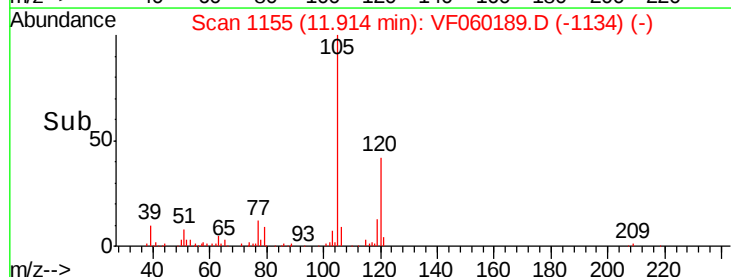
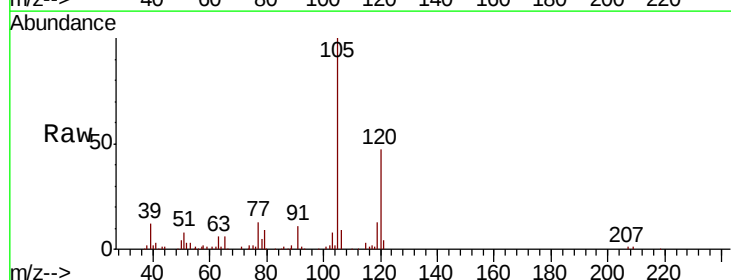
Acq: 29 Aug 2018 14:40

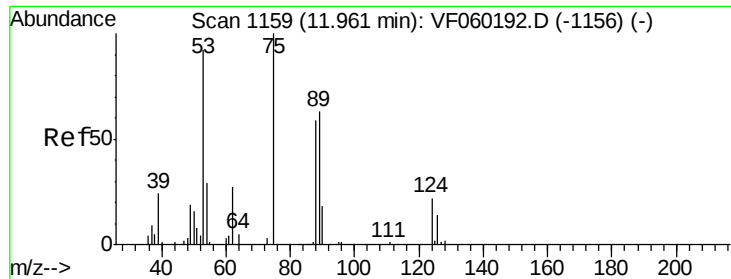
Tgt Ion: 105 Resp: 51297

Ion Ratio Lower Upper

105 100

120 46.8 21.5 64.5





#81

trans-1,4-Dichloro-2-butene

Concen: 4.51 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

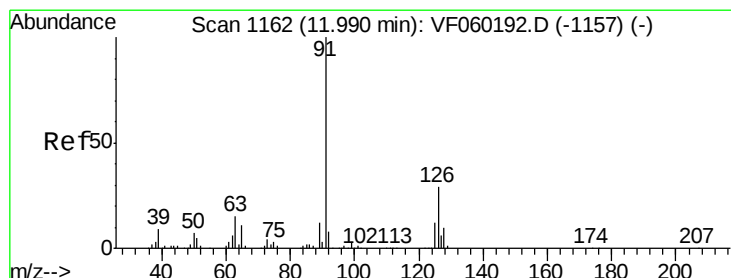
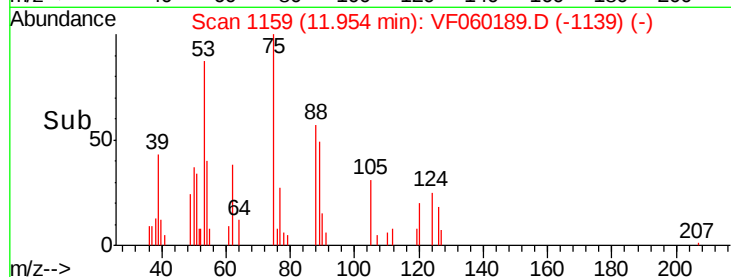
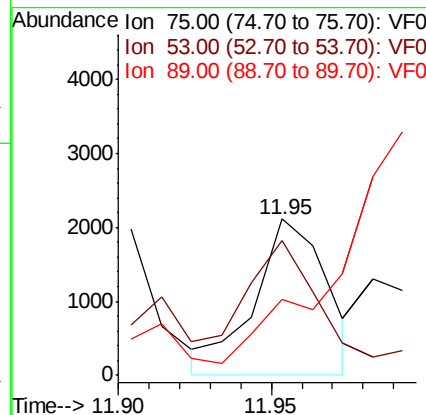
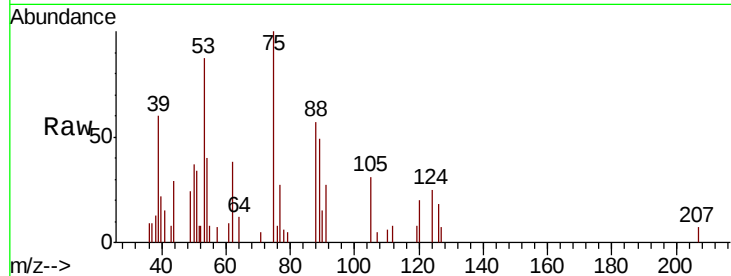
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	3476
Ion	Ratio	Lower	Upper
75	100		
53	86.5	78.0	117.0
89	48.5	51.8	77.6#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.38 ug/l

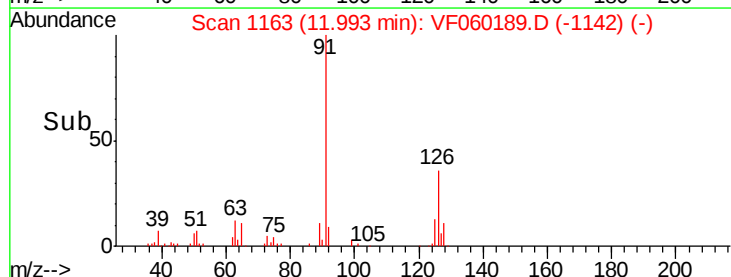
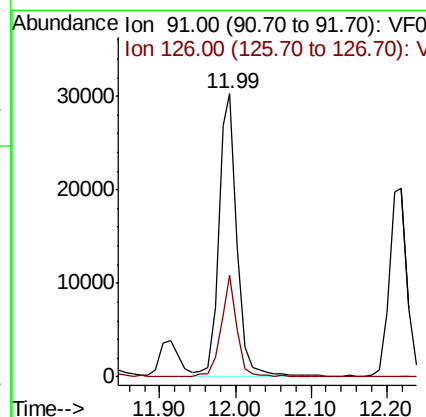
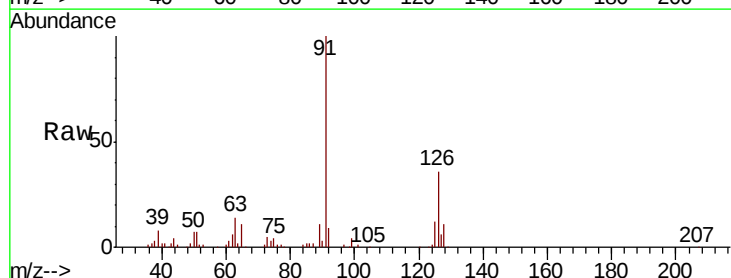
RT: 11.99 min Scan# 1163

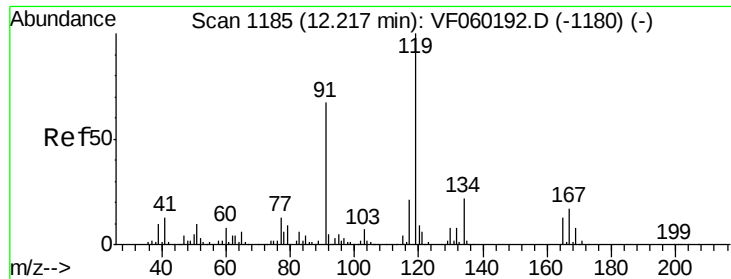
Delta R.T. 0.00 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Tgt Ion:	91	Resp:	51311
Ion	Ratio	Lower	Upper
91	100		
126	35.7	14.6	44.0





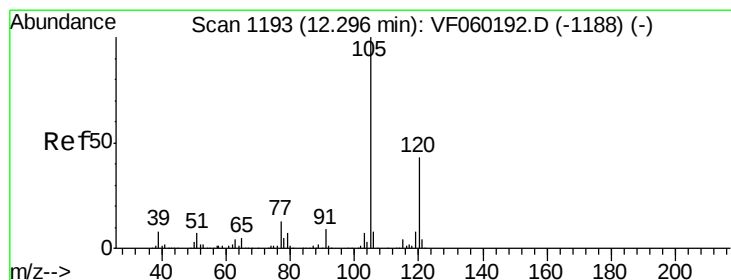
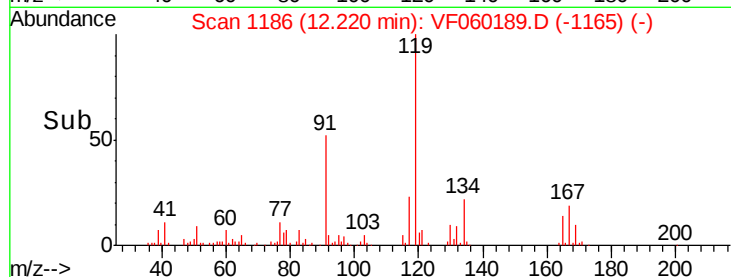
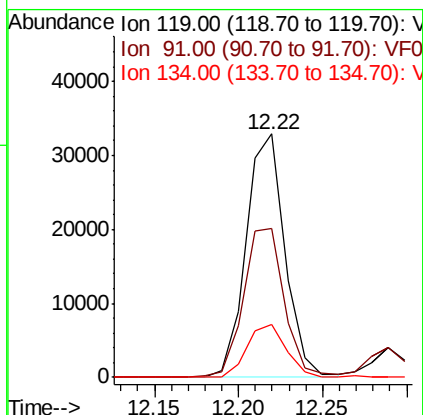
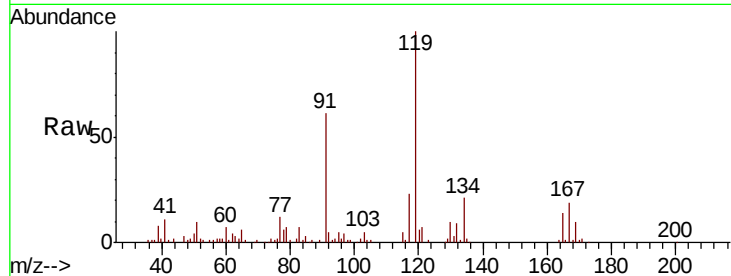
#83
tert-Butylbenzene
Concen: 5.34 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.3	33.8	101.4
134	21.5	11.1	33.3

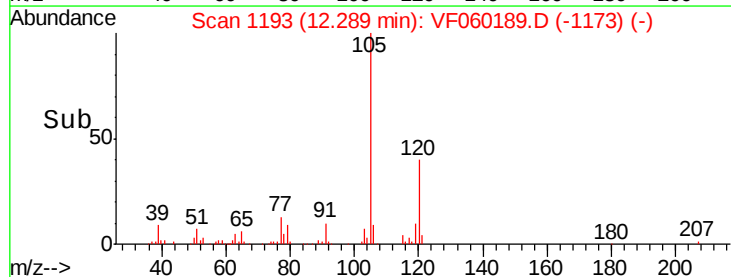
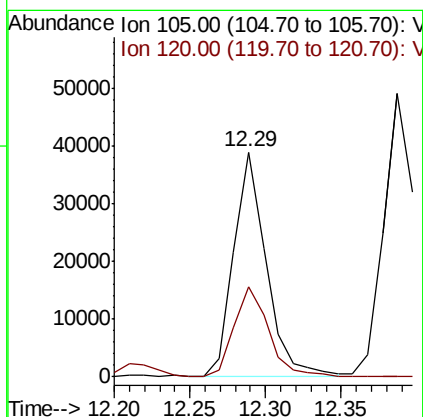
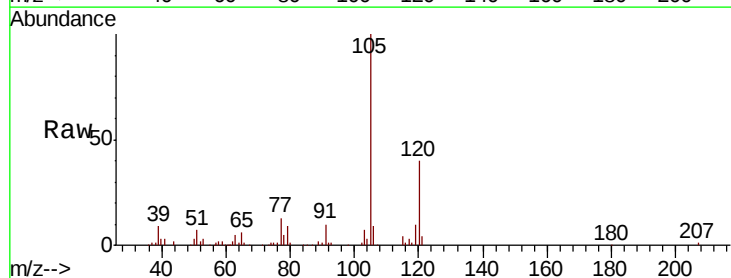
Manual Integrations
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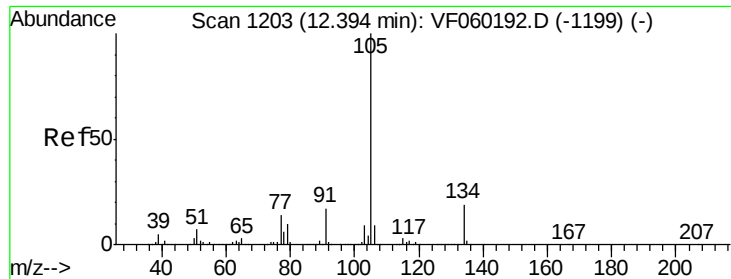
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#84
1,2,4-Trimethylbenzene
Concen: 5.57 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	39.9	21.6	64.6





#85

sec-Butylbenzene

Concen: 5.54 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 72584

Ion Ratio Lower Upper

105 100

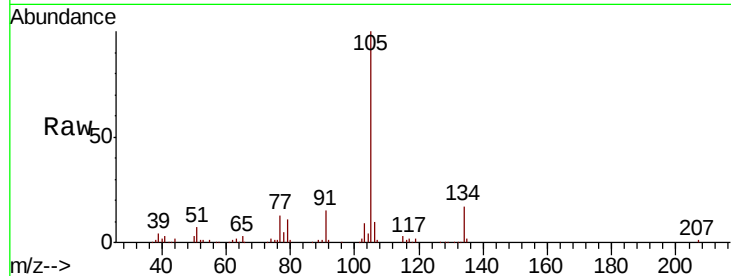
134 16.7 9.4 28.3

Manual Integrations

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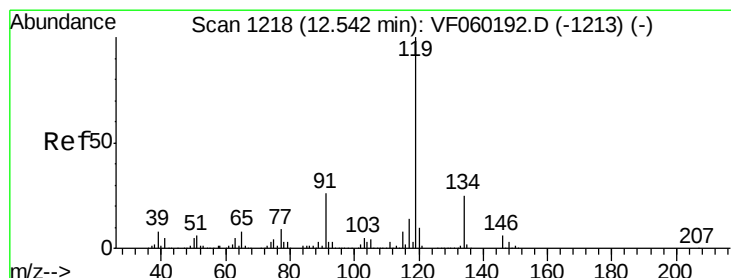
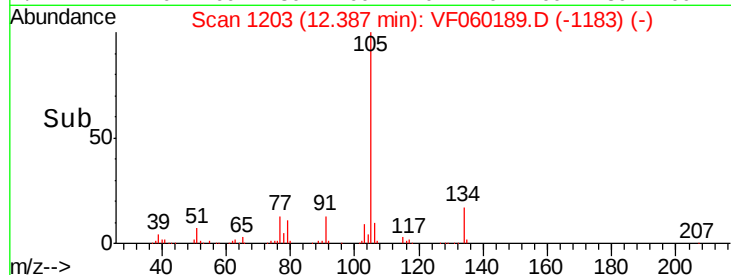
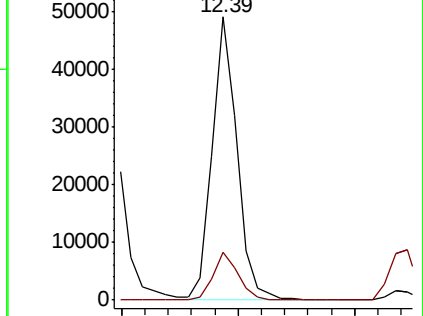
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.28 ug/l

RT: 12.54 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

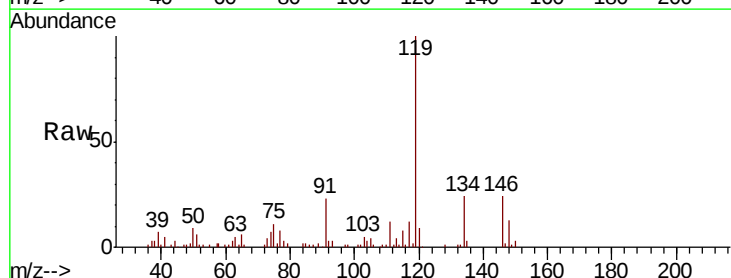
Tgt Ion:119 Resp: 60119

Ion Ratio Lower Upper

119 100

134 24.4 12.3 36.9

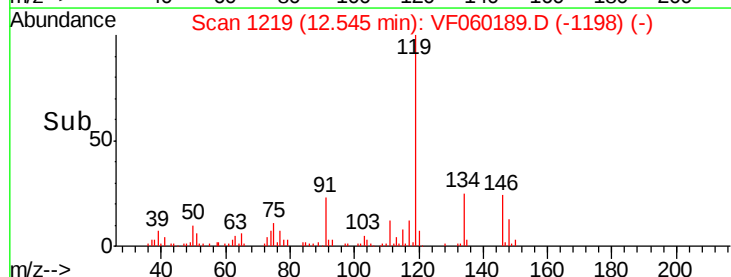
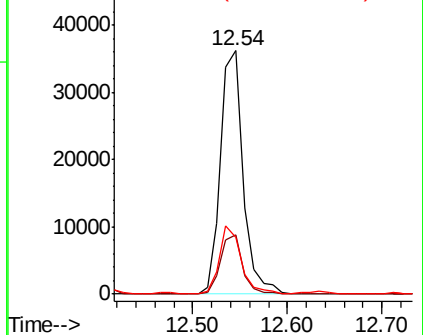
91 23.3 13.3 39.8

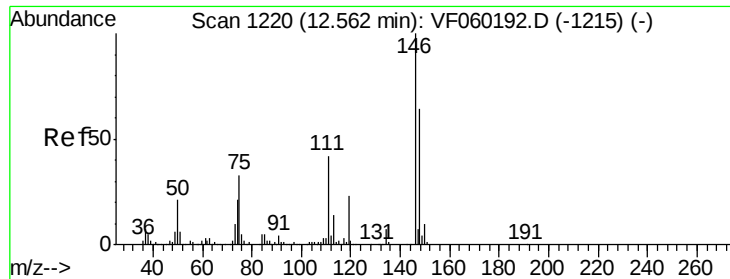


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





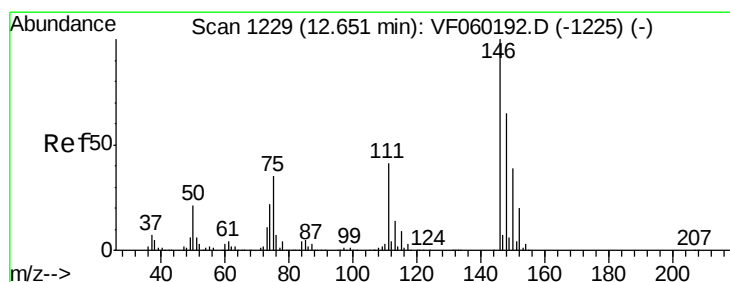
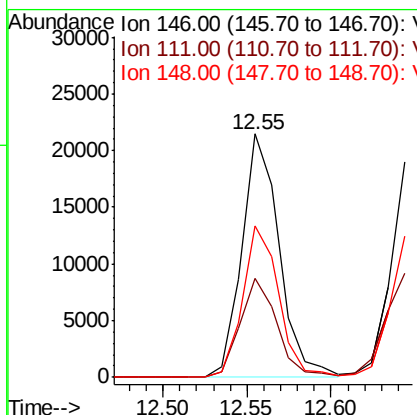
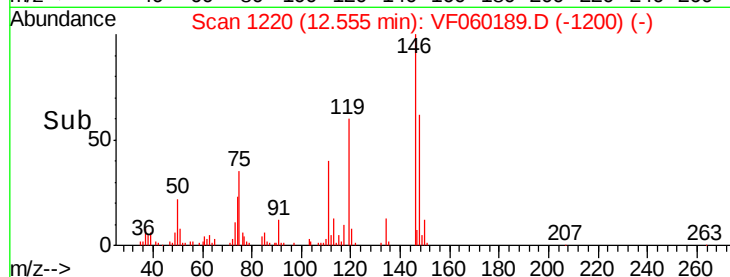
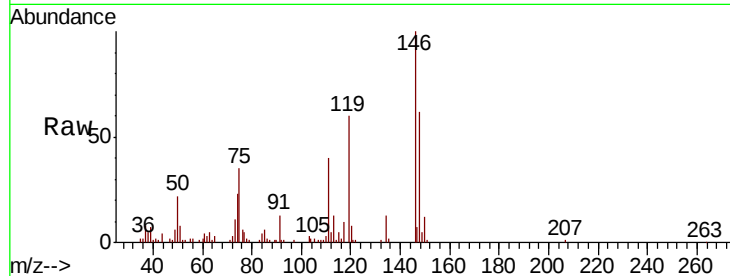
#87
 1,3-Dichlorobenzene
 Concen: 5.64 ug/l
 RT: 12.55 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: VF060189.D
 Acq: 29 Aug 2018 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.8	62.4
148	62.2	32.0	96.2

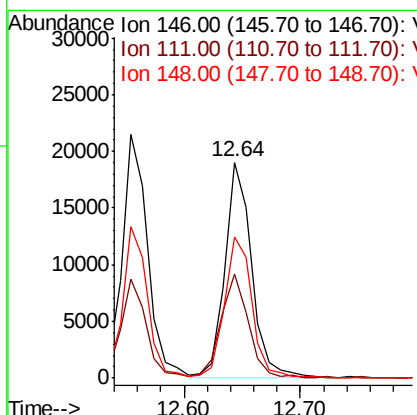
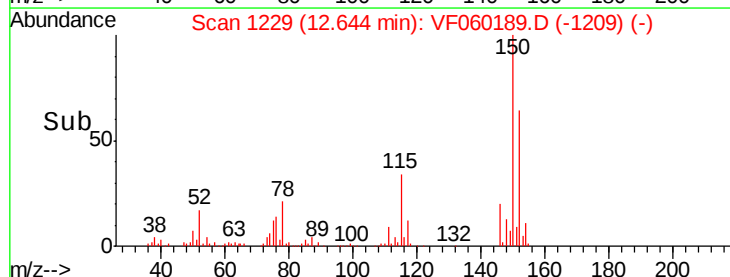
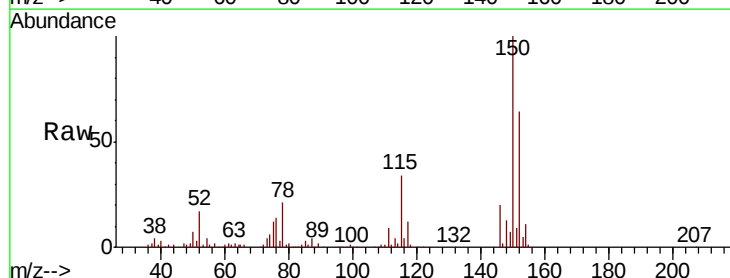
Manual Integrations
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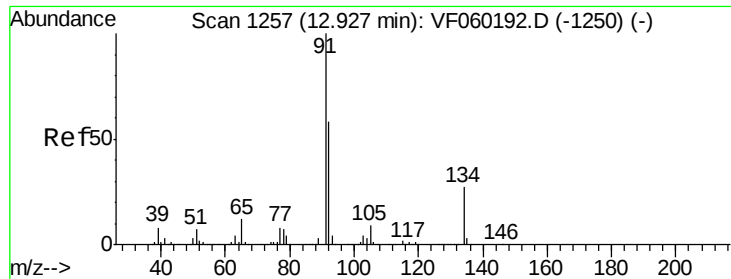
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 5.33 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VF060189.D
 Acq: 29 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.3	20.5	61.5
148	65.2	32.4	97.0





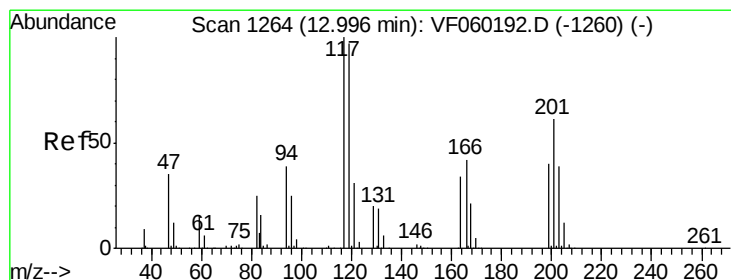
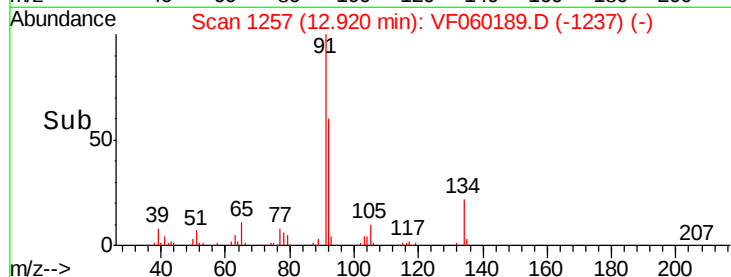
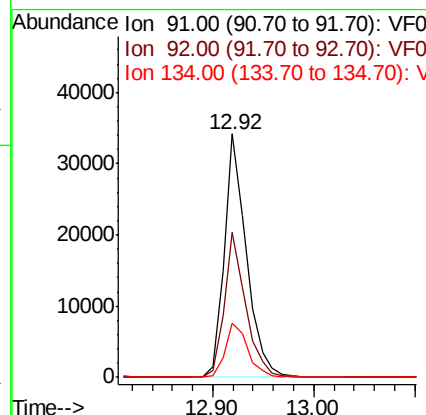
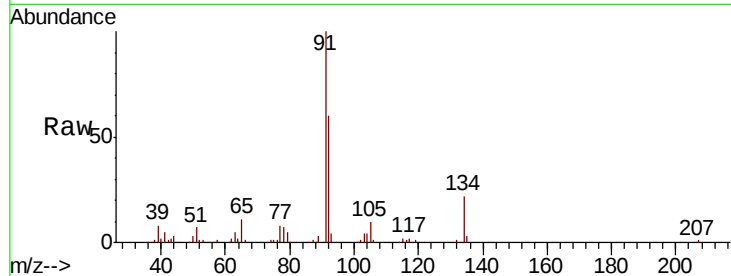
#89
n-Butylbenzene
Concen: 4.74 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.01 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.5	29.3	87.8
134	22.4	13.5	40.4

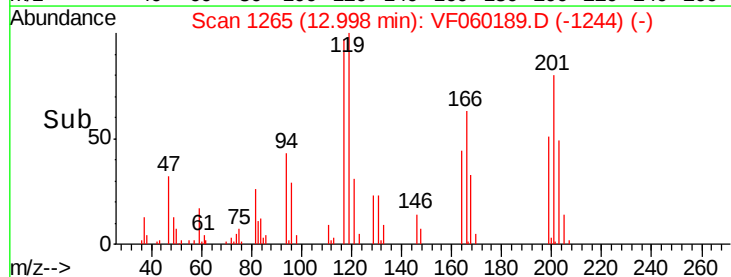
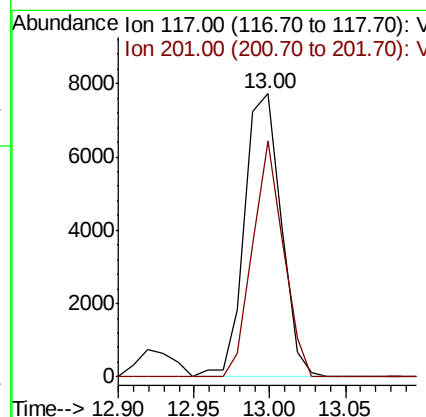
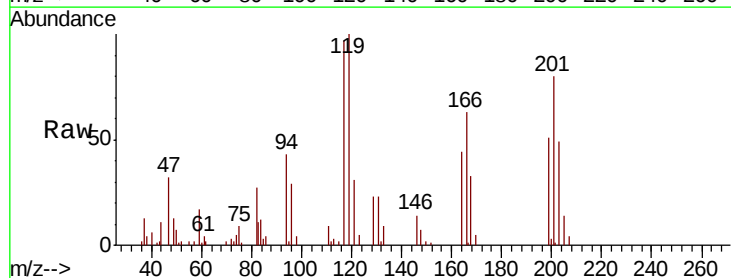
Manual Integrations
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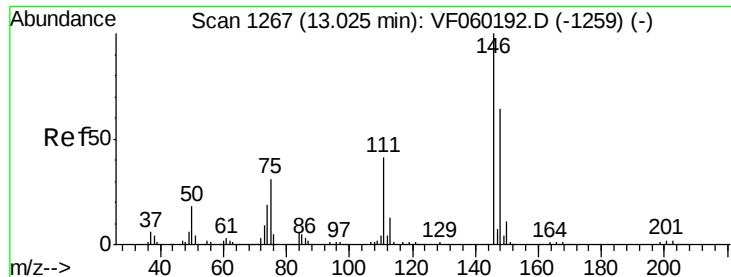
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#90
Hexachloroethane
Concen: 5.07 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF060189.D
Acq: 29 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.5	31.3	93.9





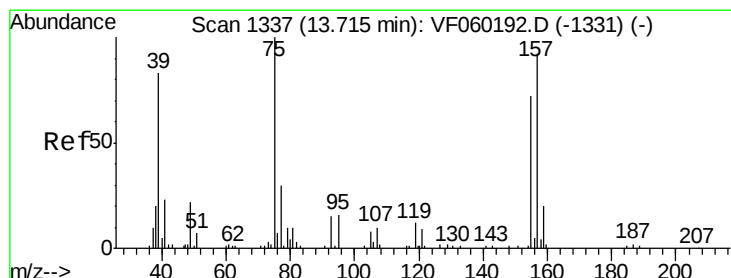
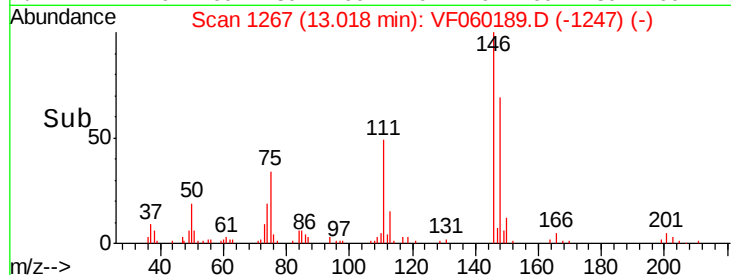
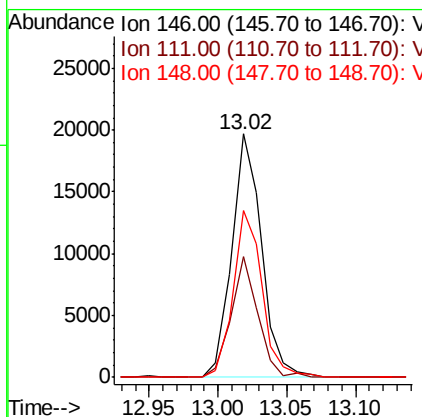
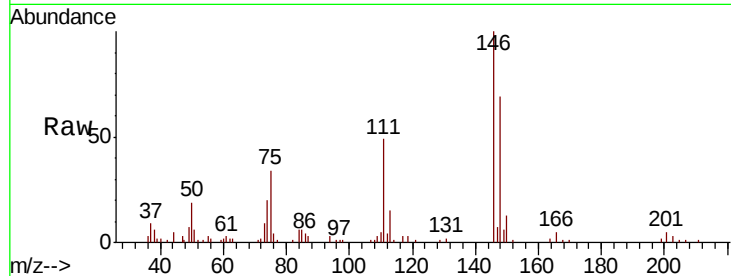
#91
 1,2-Dichlorobenzene
 Concen: 5.27 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VF060189.D
 Acq: 29 Aug 2018 14:40

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.4	20.7	62.1
148	68.7	31.9	95.7

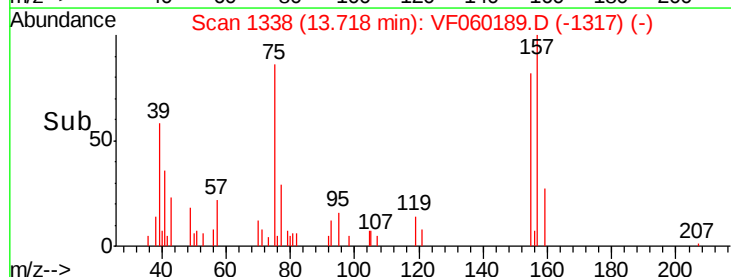
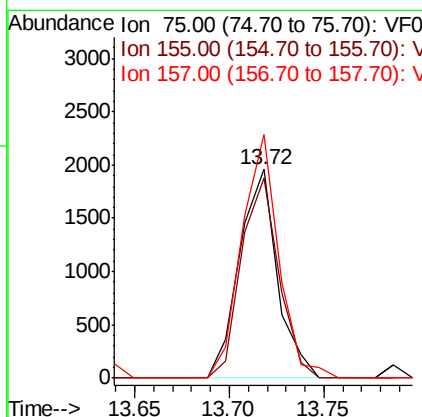
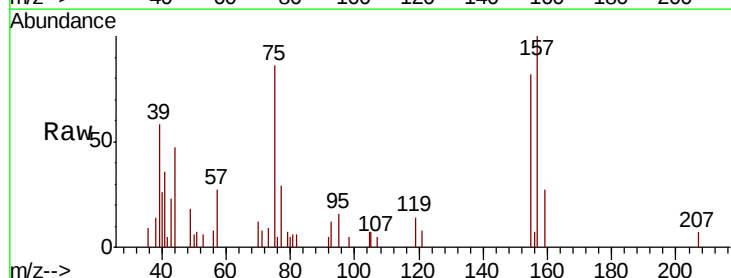
Manual Integrations
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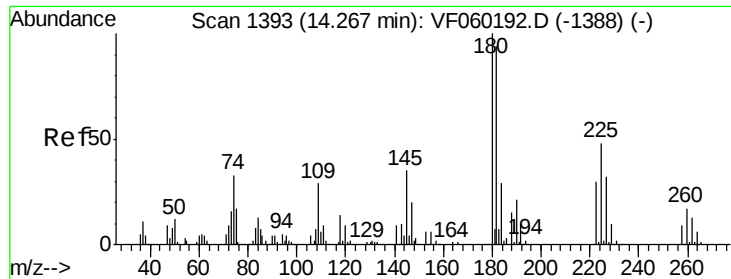
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.47 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF060189.D
 Acq: 29 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.8	35.9	107.7
157	116.8	46.1	138.3





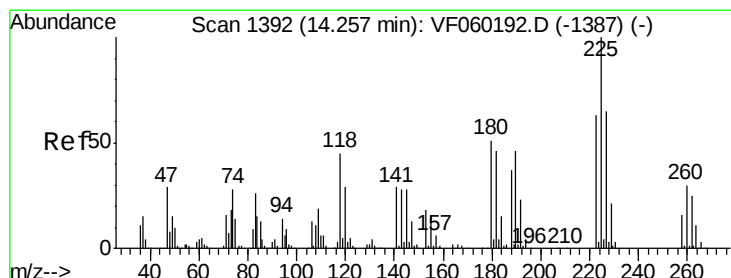
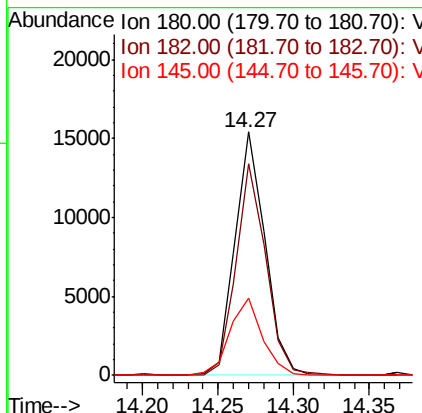
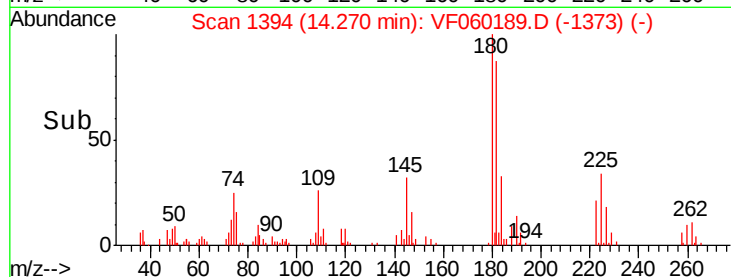
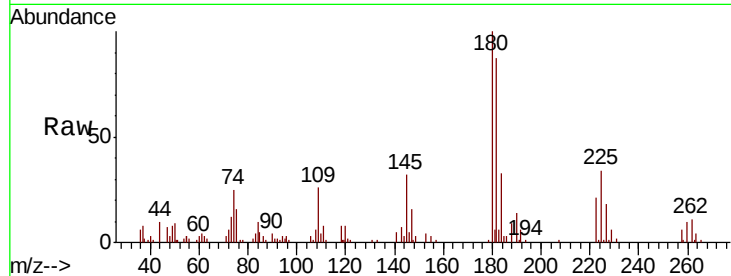
#93
 1,2,4-Trichlorobenzene
 Concen: 5.16 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF060189.D
 Acq: 29 Aug 2018 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.1	47.1	141.4
145	32.0	17.3	51.7

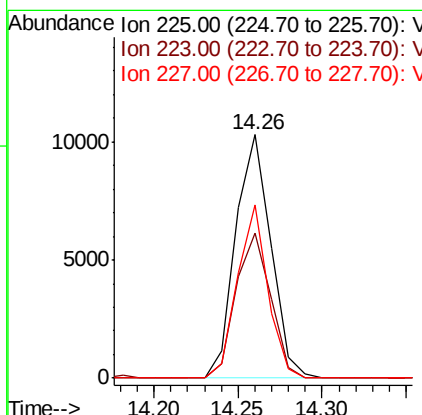
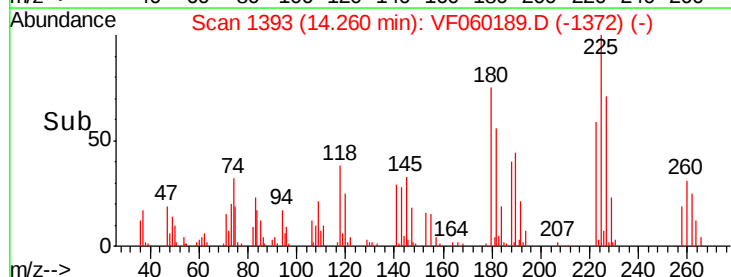
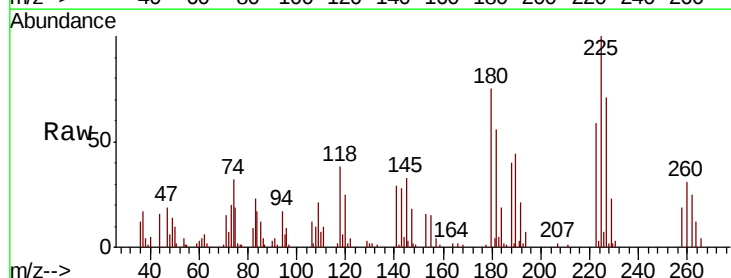
Manual Integrations
 APPROVED

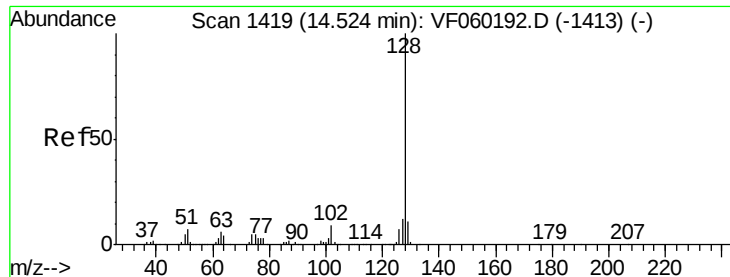
apatel
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#94
 Hexachlorobutadiene
 Concen: 5.39 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF060189.D
 Acq: 29 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.5	31.6	95.0
227	71.2	32.3	96.9





#95

Naphthalene

Concen: 4.75 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Instrument :

MSVOA_F

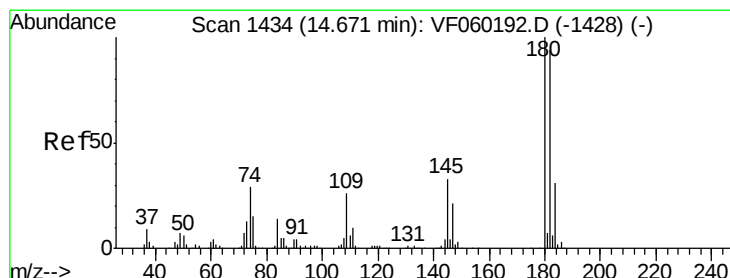
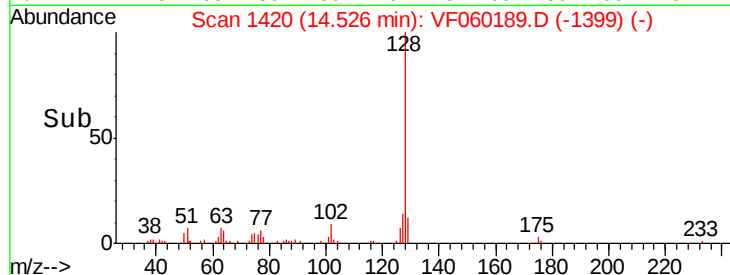
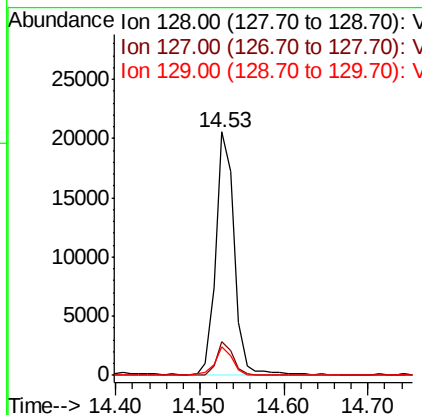
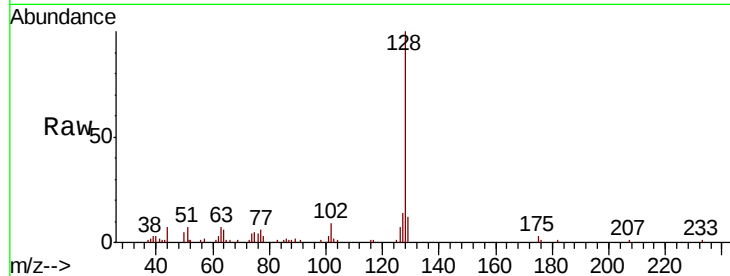
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	31635
Ion Ratio	Lower	Upper	
128	100		
127	13.7	9.8	14.8
129	11.7	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 4.88 ug/l

RT: 14.67 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VF060189.D

Acq: 29 Aug 2018 14:40

Tgt Ion:	180	Resp:	19983
Ion Ratio	Lower	Upper	
180	100		
182	102.0	46.9	140.6
145	33.1	16.4	49.4

