

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF083018\
 Data File : VF060191.D
 Acq On : 29 Aug 2018 16:03
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 8/30/2018 3:04:34 PM

Quant Time: Aug 30 04:00:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F083018S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 02:37:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	149640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	219941	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	242351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	156686	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	58700	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
35) Dibromofluoromethane	4.30	113	43989	28.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.42%	
50) Toluene-d8	7.71	98	110507	22.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.04%	
62) 4-Bromofluorobenzene	11.51	95	64560	32.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	65644	21.86	ug/l	100
3) Chloromethane	1.07	50	33990	27.76	ug/l	99
4) Vinyl Chloride	1.12	62	26099	22.55	ug/l	98
5) Bromomethane	1.32	94	22442	34.10	ug/l	93
6) Chloroethane	1.39	64	14413	21.08	ug/l	96
7) Trichlorofluoromethane	1.48	101	72583	14.58	ug/l	99
8) Diethyl Ether	1.70	74	10315	42.35	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.86	101	35041	15.99	ug/l	93
10) Methyl Iodide	1.93	142	29271	25.01	ug/l #	94
11) Tert butyl alcohol	2.69	59	16161	473.50	ug/l	95
12) 1,1-Dichloroethene	1.83	96	21877	15.81	ug/l	86
13) Acrolein	2.09	56	8279	281.63	ug/l	93
14) Allyl chloride	2.19	41	34518	27.45	ug/l	93
15) Acrylonitrile	3.07	53	22652	322.99	ug/l #	86
16) Acetone	2.34	43	72527	356.29	ug/l #	93
17) Carbon Disulfide	1.84	76	71926	17.68	ug/l	96
18) Methyl Acetate	2.45	43	21863	53.52	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	78328	52.85	ug/l	96
20) Methylene Chloride	2.28	84	26773	29.70	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	24017	20.10	ug/l	96
22) Diisopropyl ether	2.93	45	75960	33.31	ug/l	95
23) Vinyl Acetate	3.33	43	269476	334.70	ug/l #	96
24) 1,1-Dichloroethane	2.99	63	53378	24.92	ug/l	99
25) 2-Butanone	4.51	43	93718	427.98	ug/l	100
26) 2,2-Dichloropropane	3.76	77	69799	40.47	ug/l	98
27) cis-1,2-Dichloroethene	3.64	96	34177	35.39	ug/l	91
28) Bromochloromethane	3.88	49	21379	39.99	ug/l	83
29) Tetrahydrofuran	4.26	42	32288	362.51	ug/l	99
30) Chloroform	4.04	83	87682	33.58	ug/l	87
31) Cyclohexane	3.86	56	36937	19.20	ug/l	92
32) 1,1,1-Trichloroethane	4.27	97	80973	24.08	ug/l	97
36) 1,1-Dichloropropene	4.46	75	50767	17.24	ug/l	98
37) Ethyl Acetate	4.29	43	36971	65.67	ug/l	90
38) Carbon Tetrachloride	4.18	117	70221	17.58	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	45182	16.42	ug/l	97
40) Benzene	4.81	78	101168	23.82	ug/l	96
41) Methacrylonitrile	4.92	41	13802	47.69	ug/l	95
42) 1,2-Dichloroethane	5.12	62	71413	39.61	ug/l	98
43) Isopropyl Acetate	7.12	43	38896	56.53	ug/l #	100
44) Trichloroethene	5.68	130	36458	20.78	ug/l	100
45) 1,2-Dichloropropane	6.41	63	31060	32.12	ug/l	97
46) Dibromomethane	6.26	93	27773	46.49	ug/l	93
47) Bromodichloromethane	6.55	83	68256	34.77	ug/l	95
48) Methyl methacrylate	6.87	41	26601	48.67	ug/l	93
49) 1,4-Dioxane	6.86	88	5545	1462.43	ug/l #	74
51) 4-Methyl-2-Pentanone	8.41	43	186951	300.98	ug/l	99
52) Toluene	7.78	92	75756	23.56	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	63849	49.40	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	64986	41.48	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	32099	45.97	ug/l	94
56) Ethyl methacrylate	8.76	69	36615	53.25	ug/l	94
57) 1,3-Dichloropropane	9.00	76	53859	44.40	ug/l	89
58) 2-Chloroethyl Vinyl ether	7.78	63	17386	130.09	ug/l	100
59) 2-Hexanone	9.63	43	153141	327.81	ug/l	96
60) Dibromochloromethane	8.87	129	49665	43.69	ug/l	85
61) 1,2-Dibromoethane	9.14	107	36617	47.75	ug/l	97
64) Tetrachloroethene	8.31	164	37617	13.51	ug/l	93
65) Chlorobenzene	9.94	112	106333	21.77	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	43175	25.44	ug/l	91
67) Ethyl Benzene	10.04	91	192174	18.18	ug/l	95
68) m/p-Xylenes	10.27	106	138434	39.20	ug/l	97
69) o-Xylene	10.83	106	70831	21.87	ug/l	96
70) Styrene	10.90	104	113733	27.26	ug/l	95
71) Bromoform	10.89	173	33534	46.70	ug/l	92
73) Isopropylbenzene	11.23	105	240098	15.17	ug/l	98
74) N-amyl acetate	11.46	43	67718	41.45	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	47639	35.79	ug/l	90
76) 1,2,3-Trichloropropane	11.89	75	39217	34.79	ug/l	97
77) Bromobenzene	11.60	156	59269	23.37	ug/l	92
78) n-propylbenzene	11.69	91	277070	14.51	ug/l	96
79) 2-Chlorotoluene	11.82	91	163029	17.69	ug/l	95
80) 1,3,5-Trimethylbenzene	11.92	105	193207	15.81	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	13445m	40.47	ug/l	
82) 4-Chlorotoluene	11.99	91	183631	19.99	ug/l	93
83) tert-Butylbenzene	12.22	119	190783	14.88	ug/l	93
84) 1,2,4-Trimethylbenzene	12.29	105	204848	19.23	ug/l	98
85) sec-Butylbenzene	12.39	105	253192	13.51	ug/l	99
86) p-Isopropyltoluene	12.54	119	226847	16.12	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	114651	21.76	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	110304	22.70	ug/l	98
89) n-Butylbenzene	12.92	91	221074	18.06	ug/l	95
90) Hexachloroethane	13.00	117	48876	16.07	ug/l	82
91) 1,2-Dichlorobenzene	13.02	146	105164	24.75	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	12122	46.84	ug/l	91

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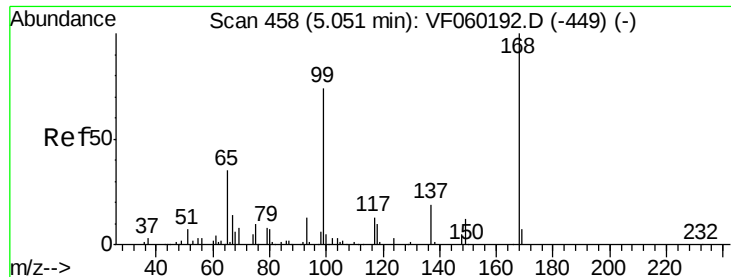
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	80094	37.53	ug/l	98
94) Hexachlorobutadiene	14.26	225	52724	15.39	ug/l	98
95) Naphthalene	14.53	128	118586	53.71	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	79555	43.35	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 149640

Ion Ratio Lower Upper

168 100

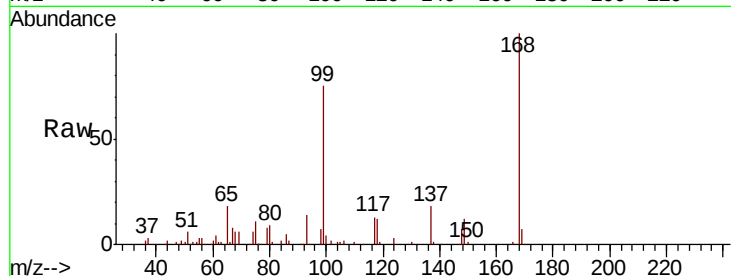
99 74.9 59.4 89.0

Manual Integrations

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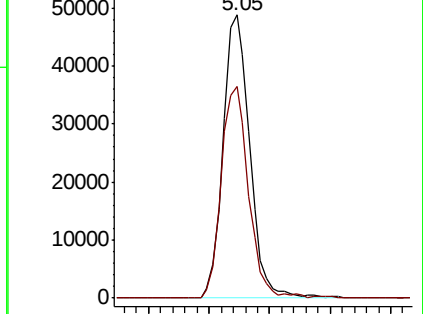
apatel

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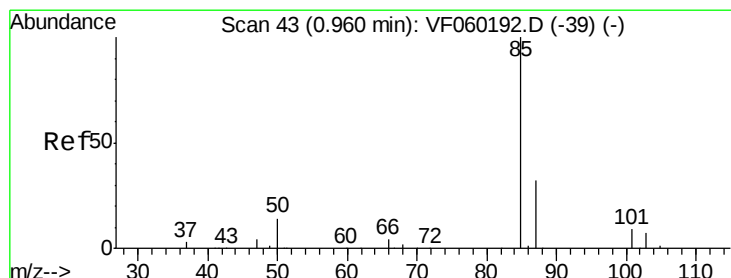
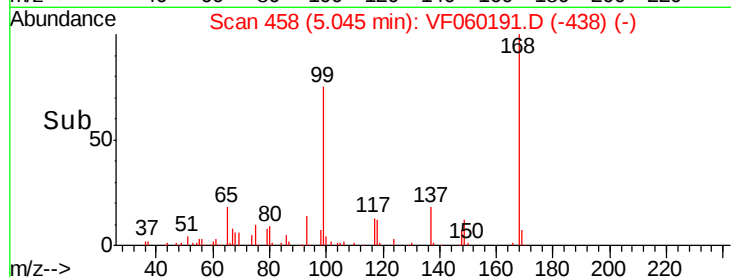


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



Time-->



#2

Dichlorodifluoromethane

Concen: 21.86 ug/l

RT: 0.95 min Scan# 43

Delta R.T. -0.01 min

Lab File: VF060191.D

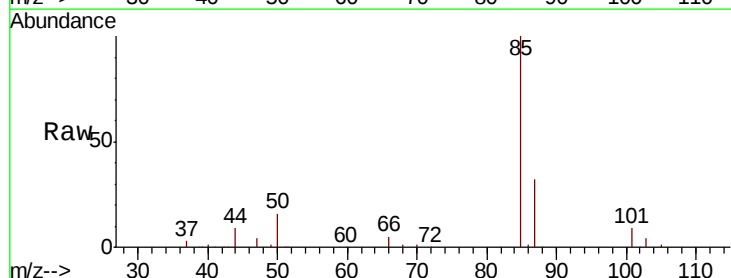
Acq: 29 Aug 2018 16:03

Tgt Ion: 85 Resp: 65644

Ion Ratio Lower Upper

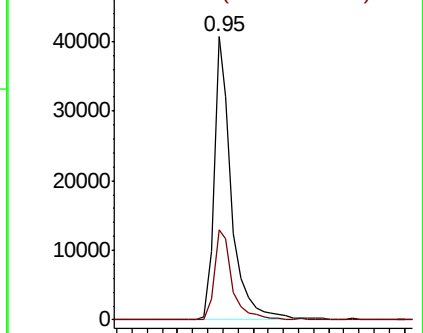
85 100

87 32.0 15.9 47.7

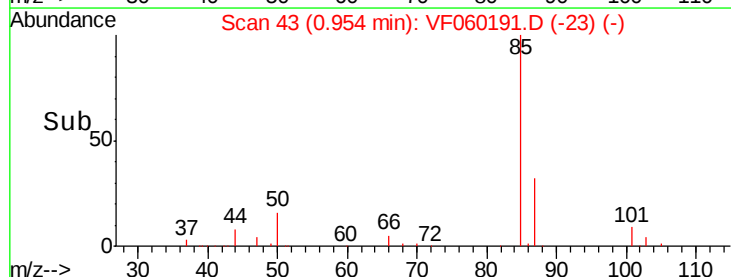


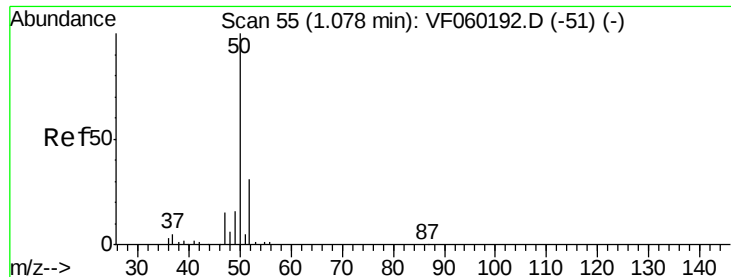
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



Time-->





#3

Chloromethane

Concen: 27.76 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 33990

Ion Ratio Lower Upper

50 100

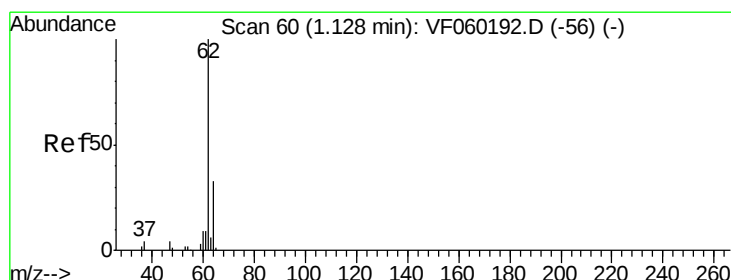
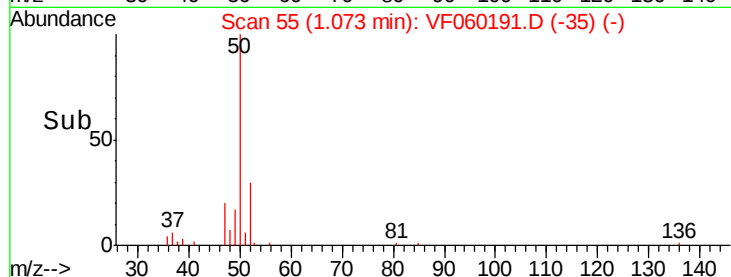
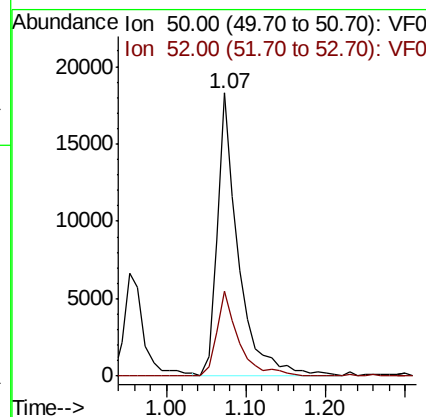
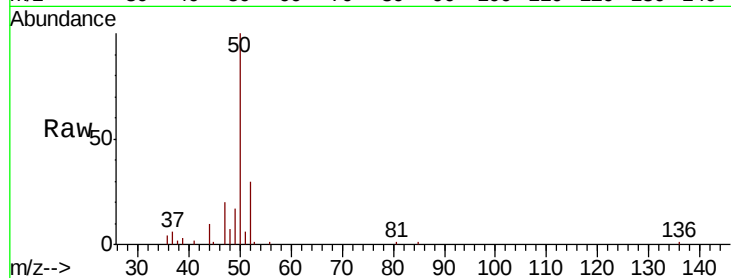
52 29.9 24.3 36.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.55 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.01 min

Lab File: VF060191.D

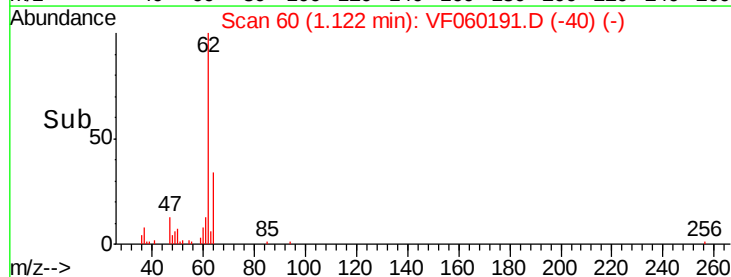
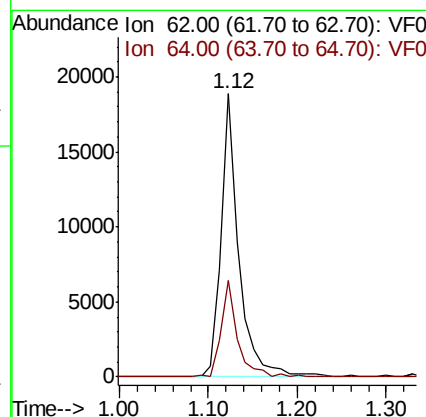
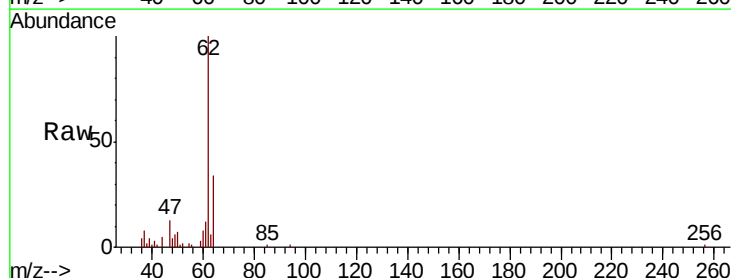
Acq: 29 Aug 2018 16:03

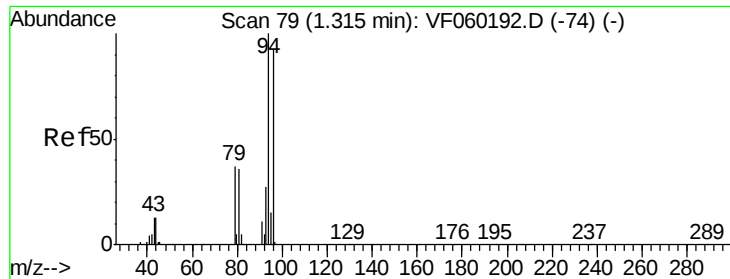
Tgt Ion: 62 Resp: 26099

Ion Ratio Lower Upper

62 100

64 33.9 26.1 39.1





#5

Bromomethane

Concen: 34.10 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

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Tot Ion: 94 Resp: 22442

Ion Ratio Lower Upper

94 100

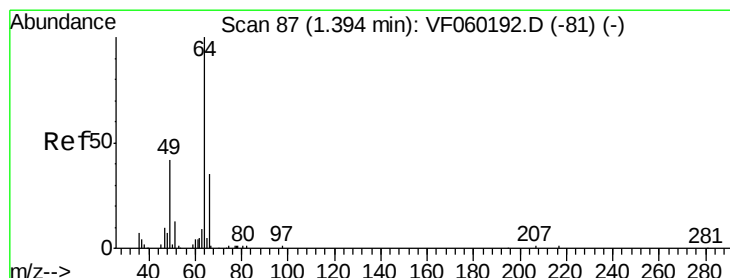
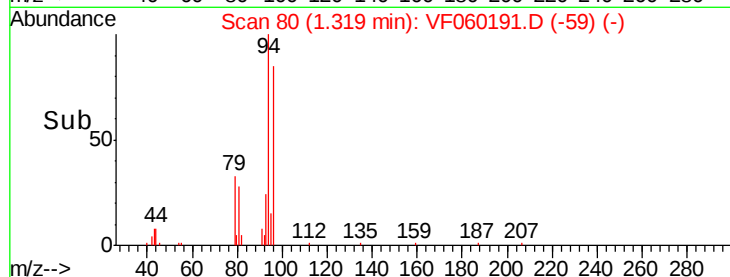
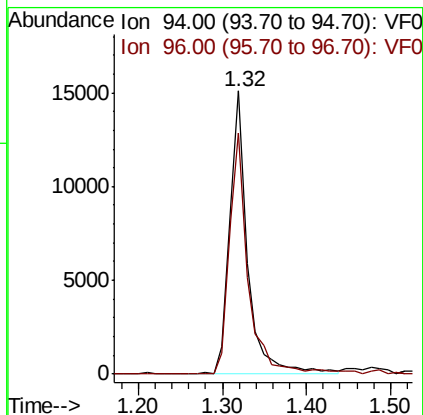
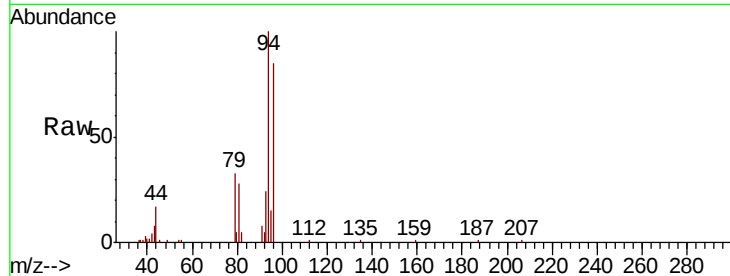
96 85.4 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 21.08 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF060191.D

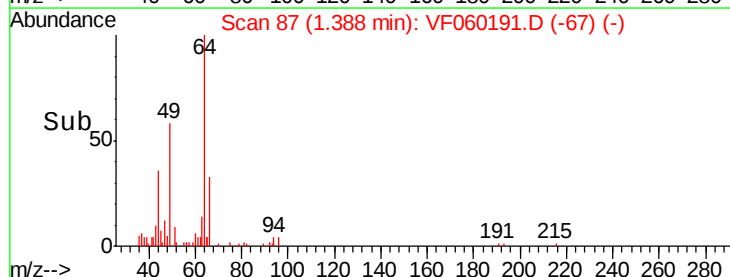
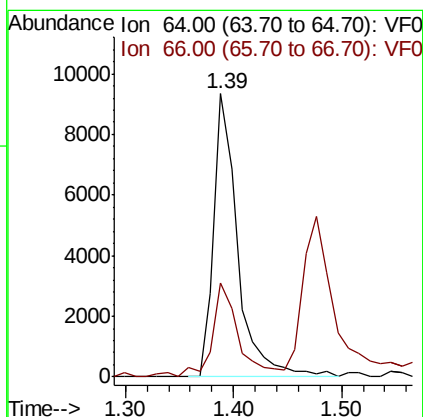
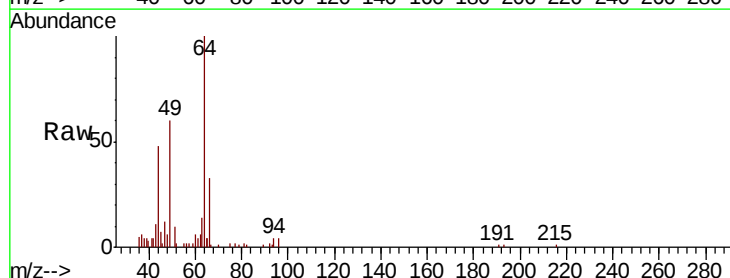
Acq: 29 Aug 2018 16:03

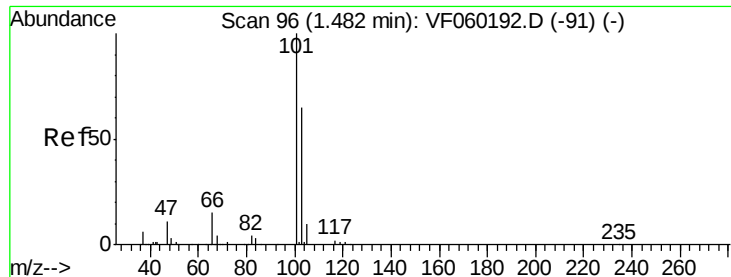
Tgt Ion: 64 Resp: 14413

Ion Ratio Lower Upper

64 100

66 33.0 28.2 42.4





#7

Trichlorofluoromethane

Concen: 14.58 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

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Tot Ion:101 Resp: 72583

Ion Ratio Lower Upper

101 100

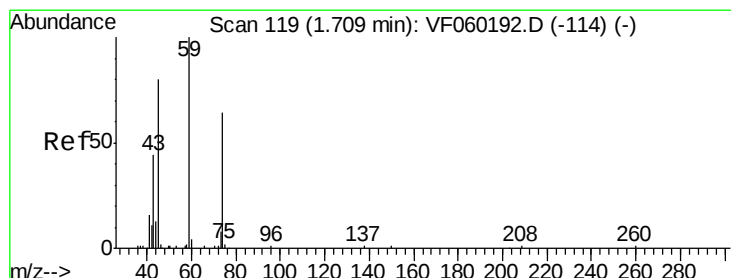
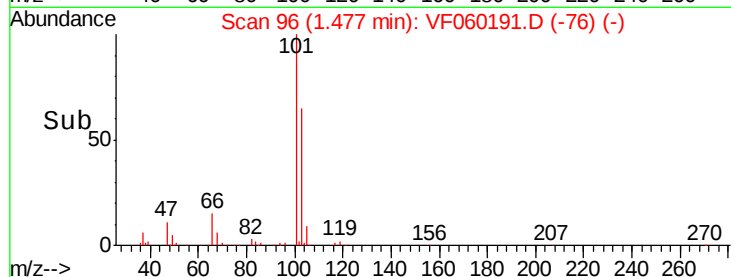
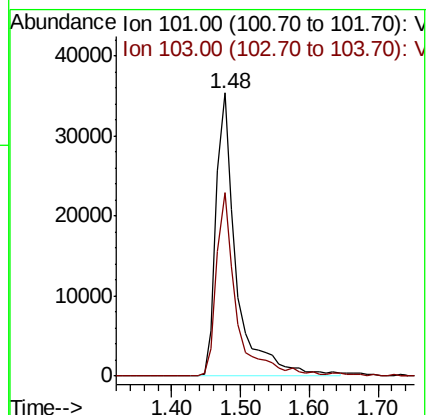
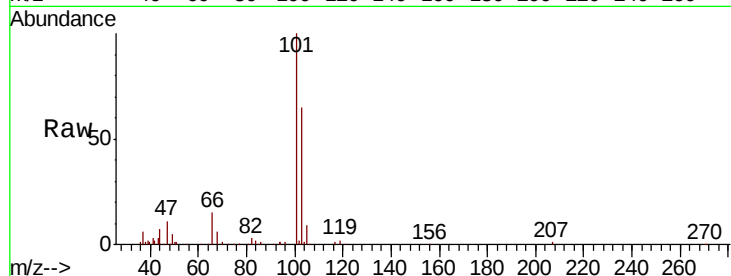
103 64.8 52.4 78.6

Manual Integrations

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#8

Diethyl Ether

Concen: 42.35 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.01 min

Lab File: VF060191.D

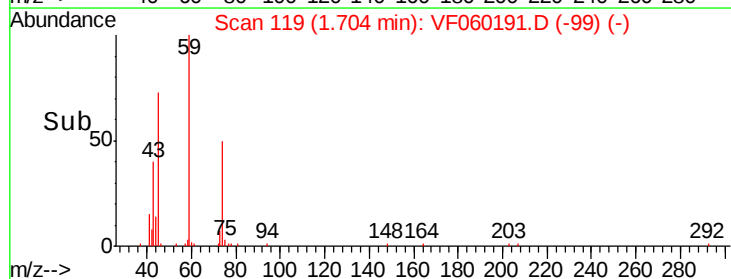
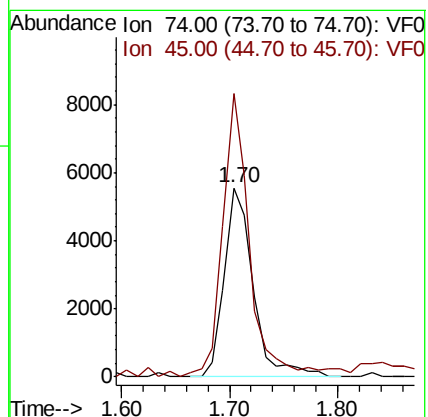
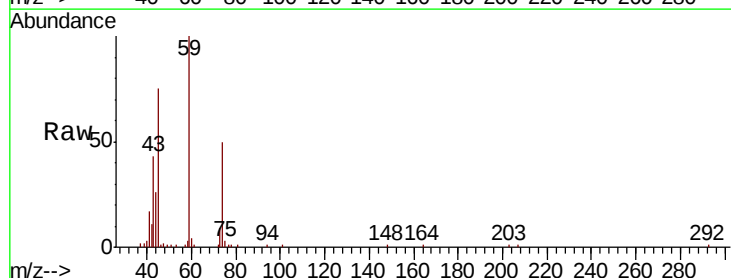
Acq: 29 Aug 2018 16:03

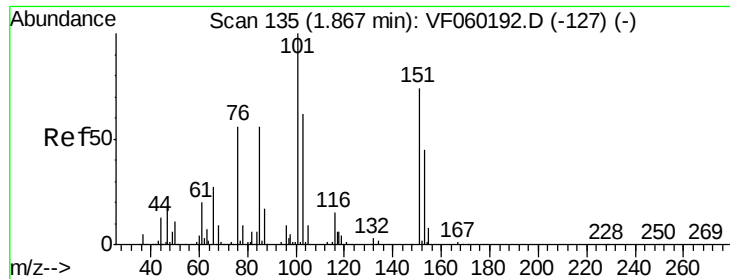
Tgt Ion: 74 Resp: 10315

Ion Ratio Lower Upper

74 100

45 150.1 63.3 190.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.99 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

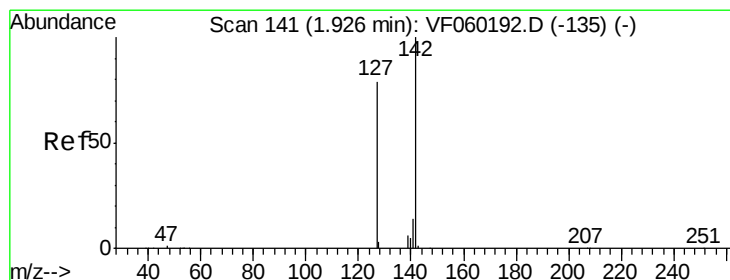
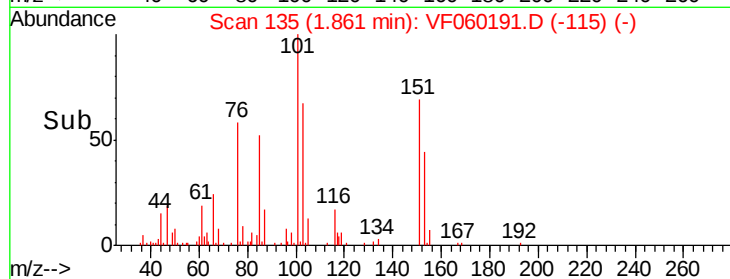
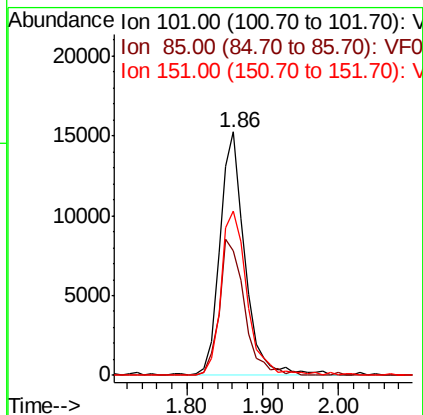
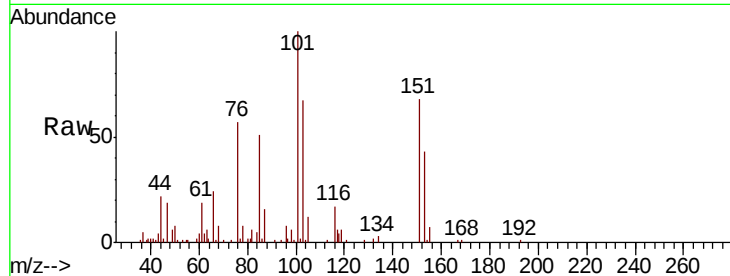
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	35041
Ion Ratio	Lower	Upper	
101	100		
85	51.3	44.5	66.7
151	67.6	58.8	88.2

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#10

Methyl Iodide

Concen: 25.01 ug/l

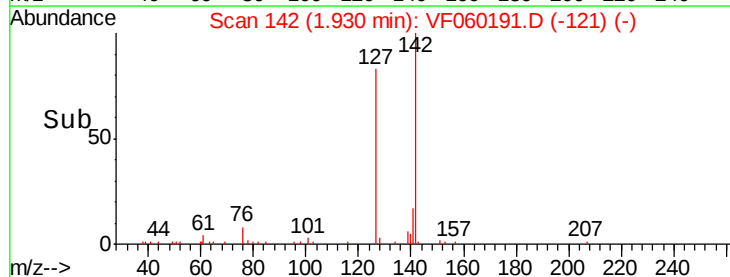
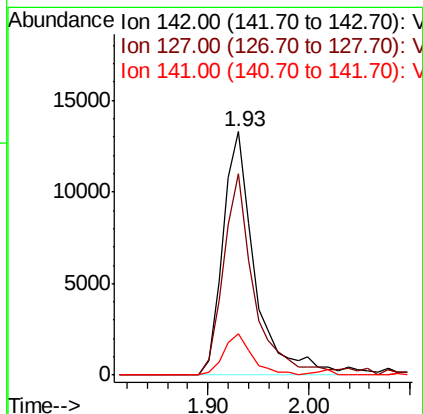
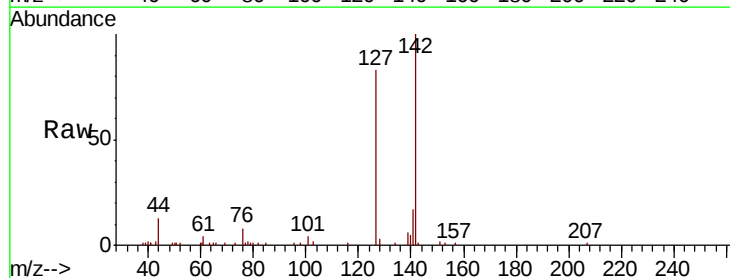
RT: 1.93 min Scan# 142

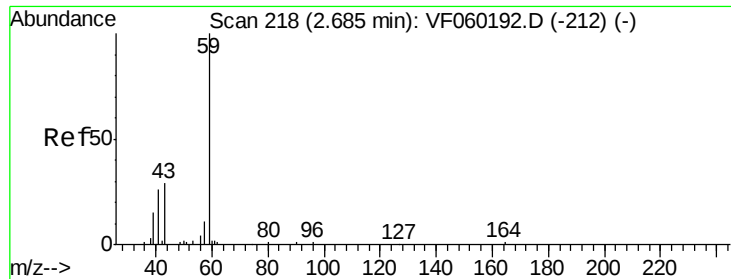
Delta R.T. 0.00 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Tgt Ion:	142	Resp:	29271
Ion Ratio	Lower	Upper	
142	100		
127	82.7	62.6	94.0
141	17.2	10.9	16.3#





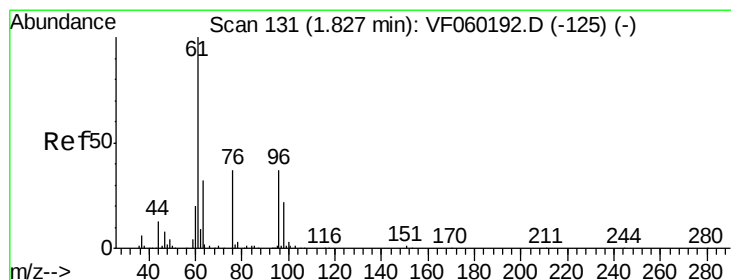
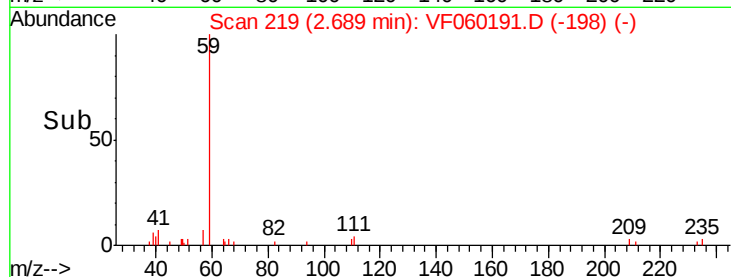
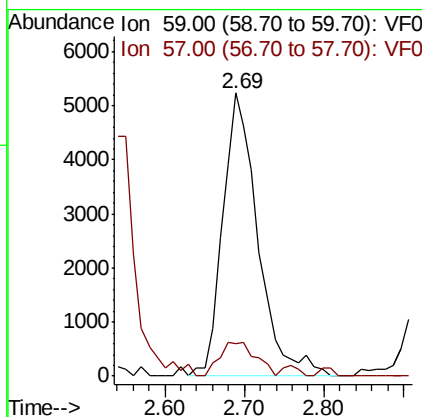
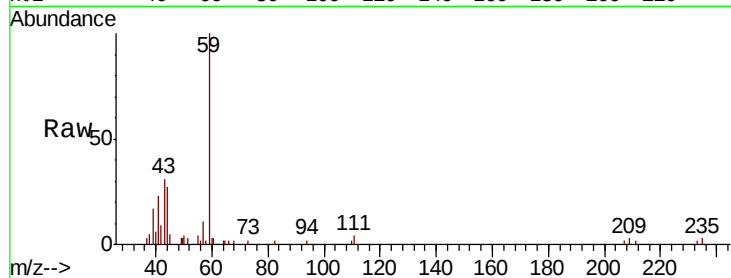
#11
Tert butyl alcohol
Concen: 473.50 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	59	Resp	16161
Ion Ratio	100	Lower	Upper
57	11.4	10.7	16.1

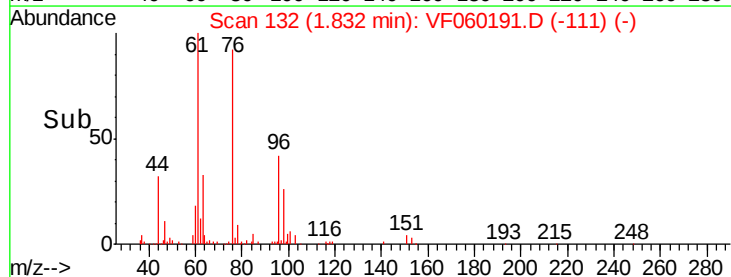
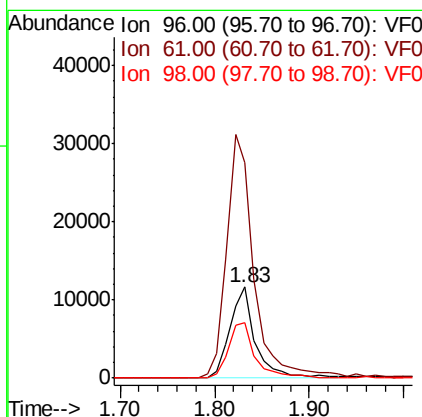
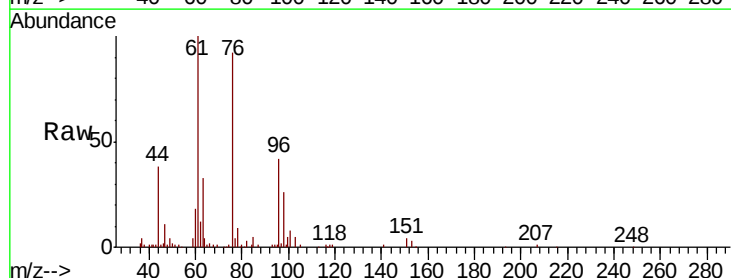
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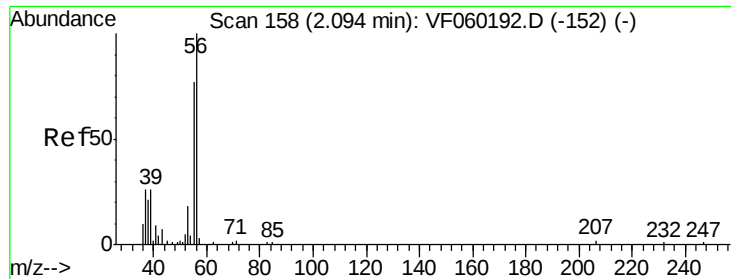
apatel
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#12
1,1-Dichloroethene
Concen: 15.81 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.00 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Tgt Ion	96	Resp	21877
Ion Ratio	100	Lower	Upper
61	237.6	215.2	322.8
98	61.1	47.6	71.4





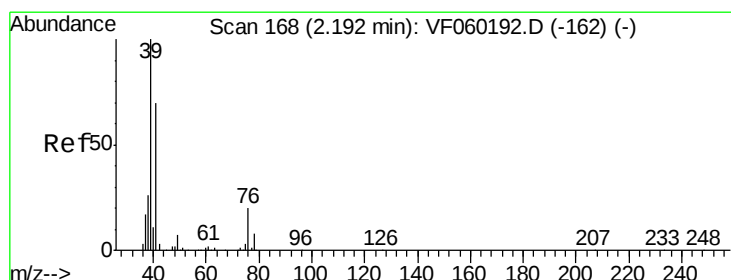
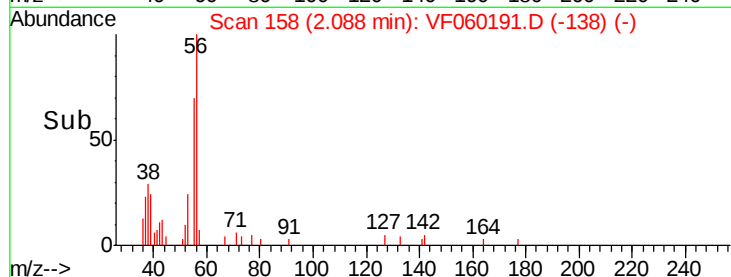
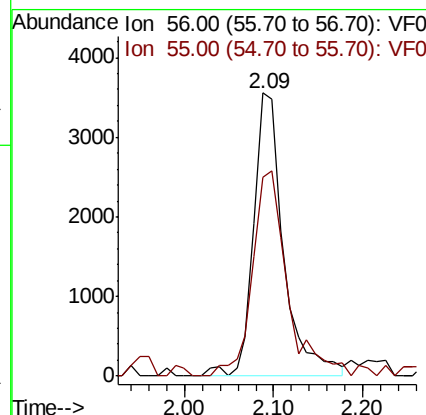
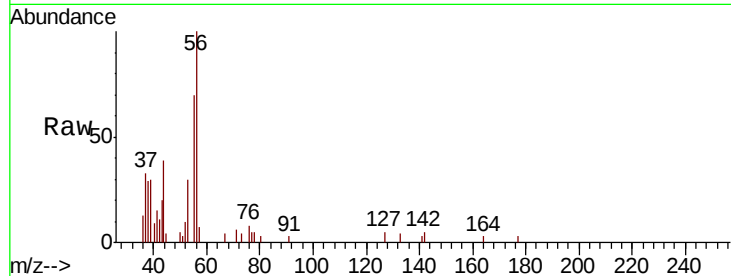
#13
Acrolein
Concen: 281.63 ug/l
RT: 2.09 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	56	Resp	8279
Ion Ratio	100	Lower	Upper
55	70.5	61.4	92.0

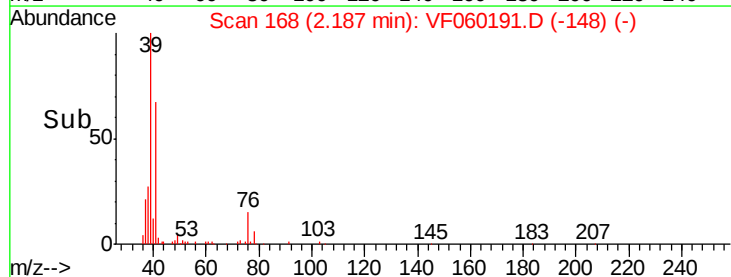
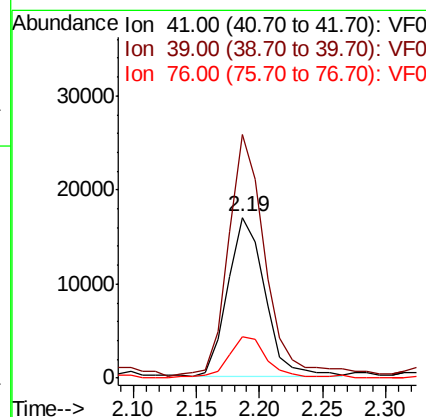
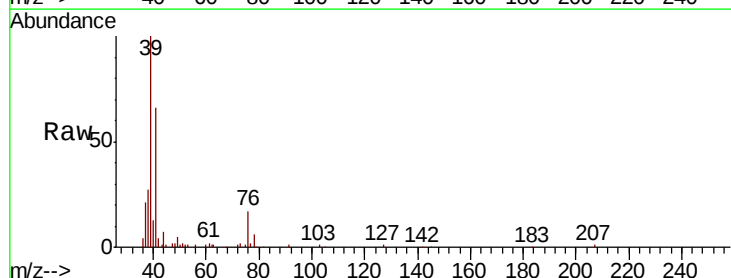
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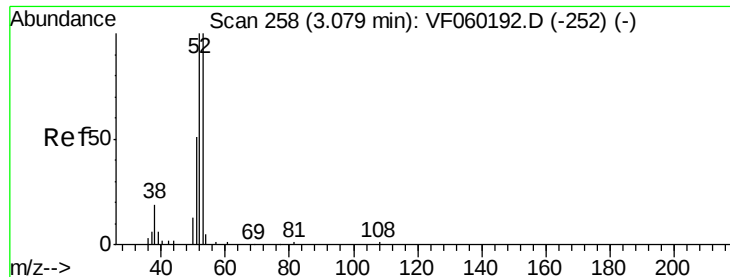
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#14
Allyl chloride
Concen: 27.45 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.01 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Tgt Ion	41	Resp	34518
Ion Ratio	100	Lower	Upper
39	151.7	114.6	172.0
76	25.8	23.1	34.7





#15

Acrylonitrile

Concen: 322.99 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

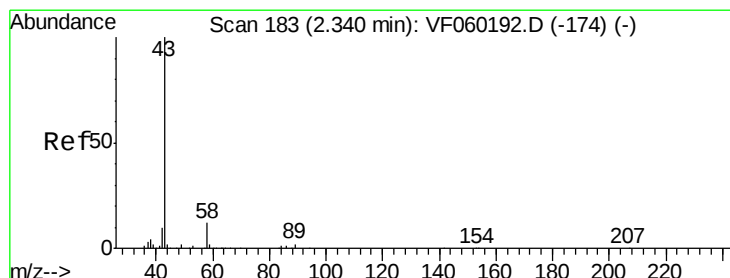
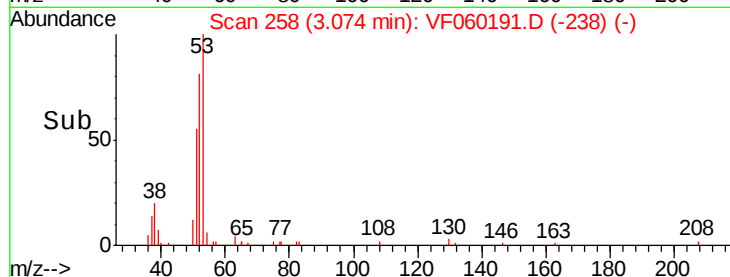
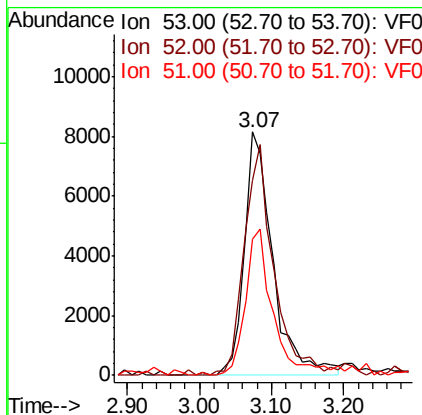
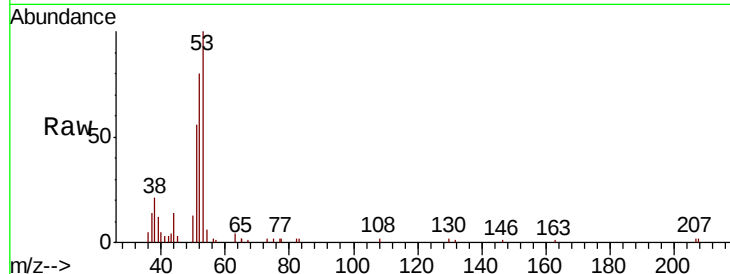
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	22652
Ion	Ratio	Lower	Upper
53	100		
52	80.1	80.2	120.4#
51	55.7	42.4	63.6

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#16

Acetone

Concen: 356.29 ug/l

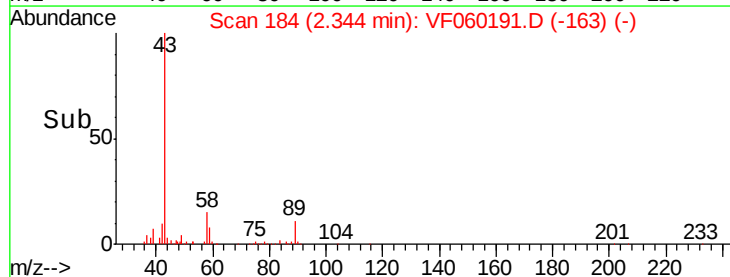
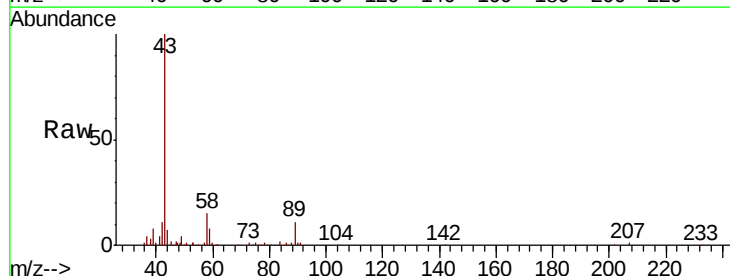
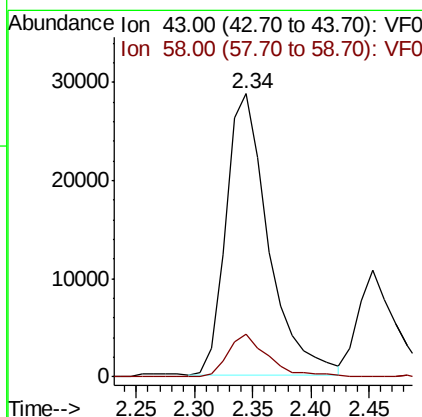
RT: 2.34 min Scan# 184

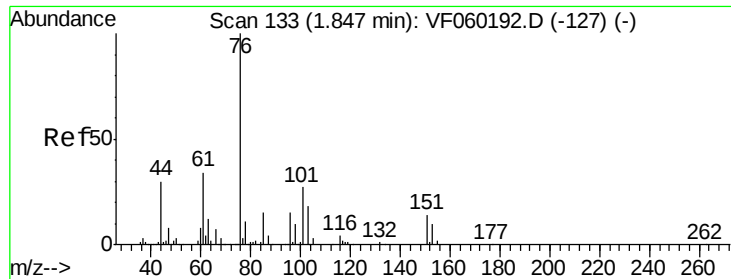
Delta R.T. 0.00 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Tgt Ion:	43	Resp:	72527
Ion	Ratio	Lower	Upper
43	100		
58	14.9	9.6	14.4#





#17

Carbon Disulfide

Concen: 17.68 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 71926

Ion Ratio Lower Upper

76 100

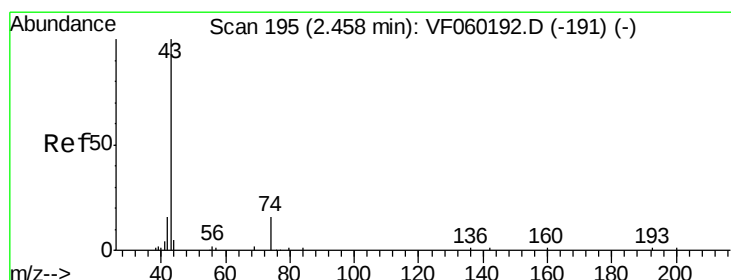
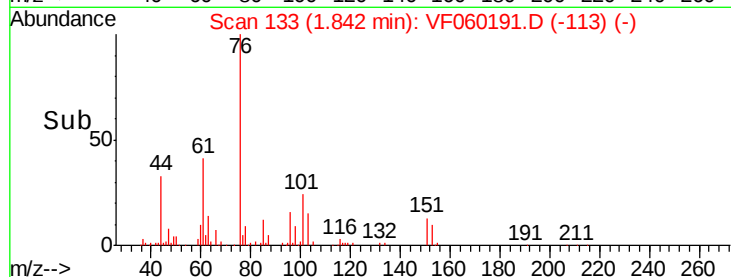
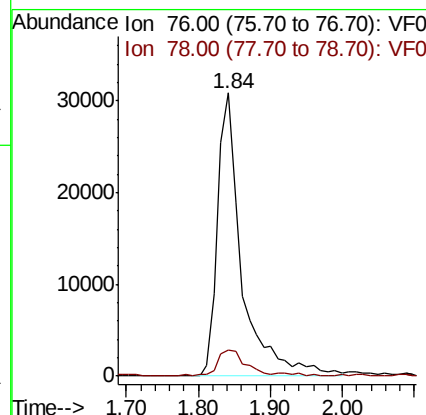
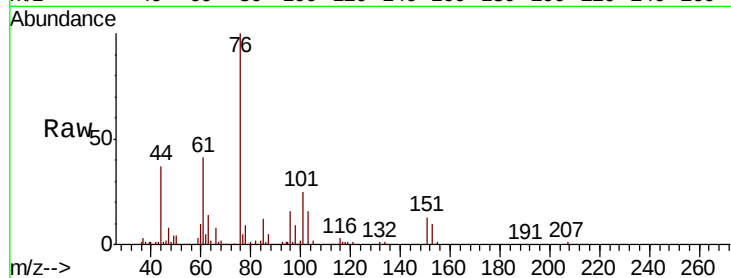
78 9.2 8.6 13.0

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#18

Methyl Acetate

Concen: 53.52 ug/l

RT: 2.45 min Scan# 195

Delta R.T. -0.01 min

Lab File: VF060191.D

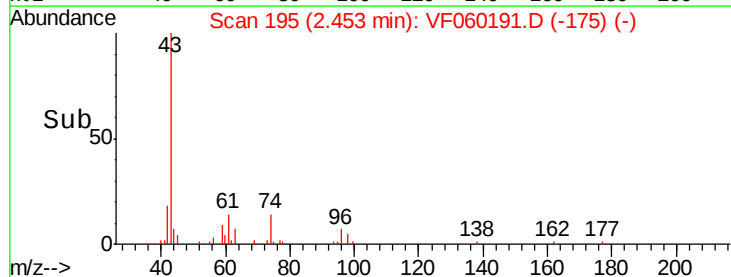
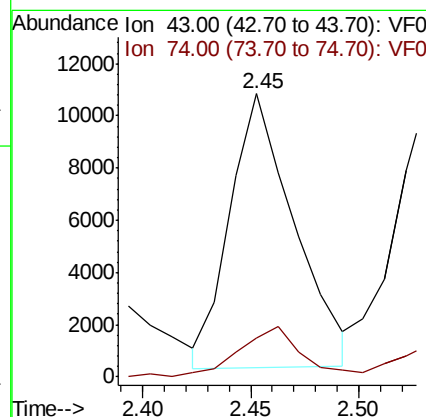
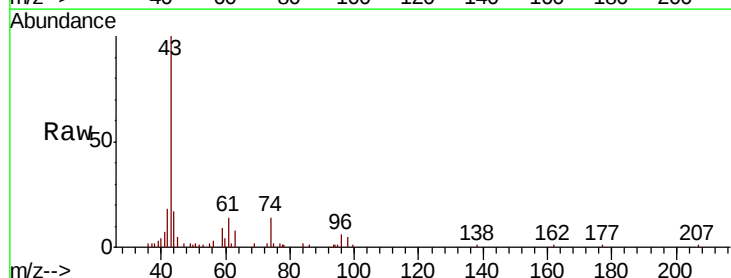
Acq: 29 Aug 2018 16:03

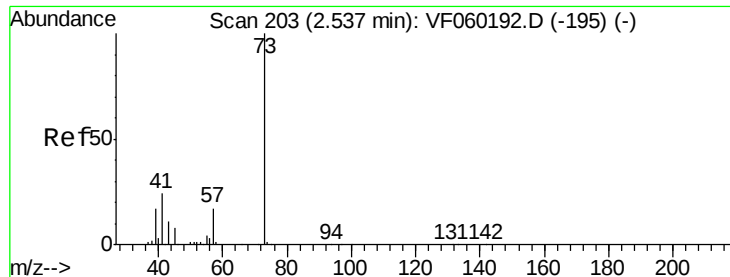
Tgt Ion: 43 Resp: 21863

Ion Ratio Lower Upper

43 100

74 13.7 11.0 16.4





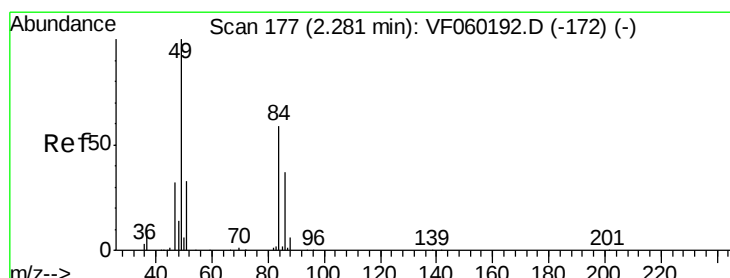
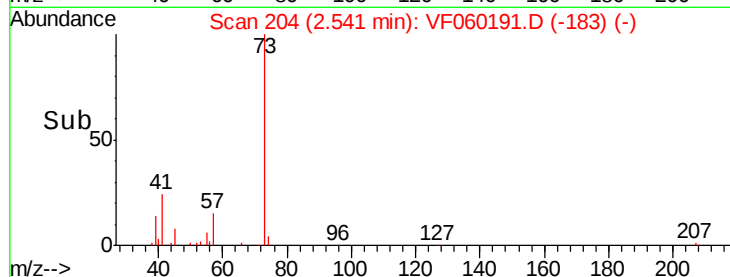
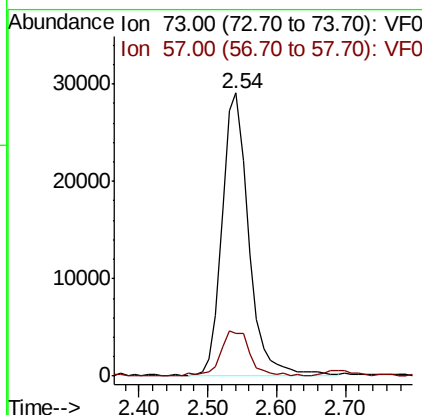
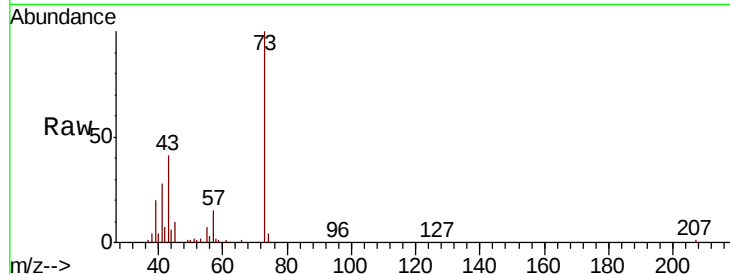
#19
Methvl tert-butvl Ether
Concen: 52.85 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 78328
Ion Ratio Lower Upper
73 100
57 15.3 13.6 20.4

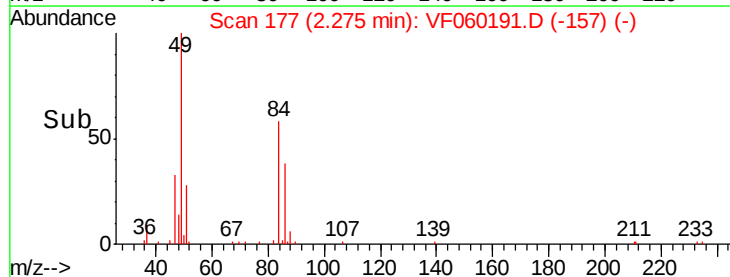
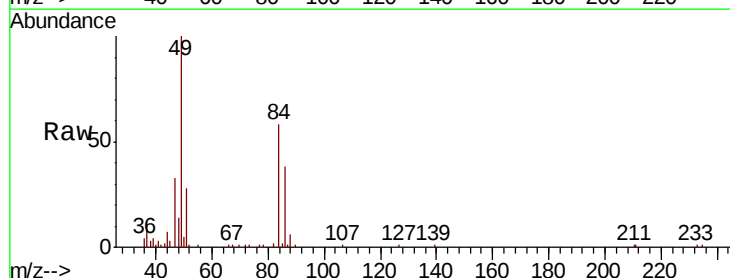
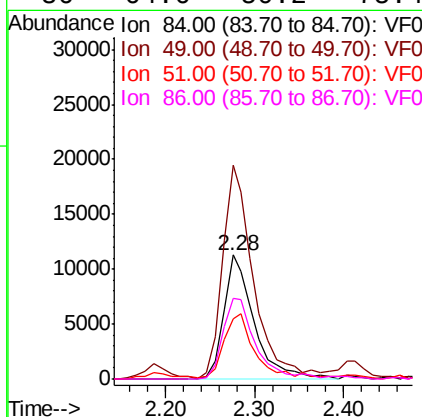
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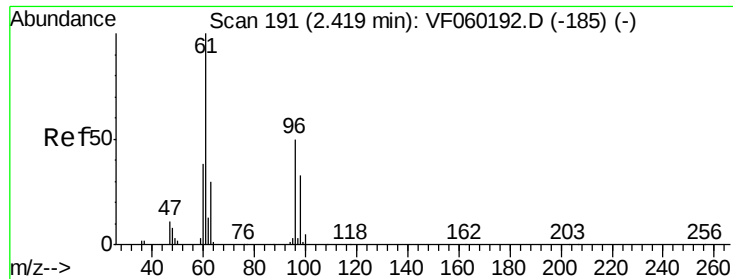
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#20
Methylene Chloride
Concen: 29.70 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.01 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Tgt Ion: 84 Resp: 26773
Ion Ratio Lower Upper
84 100
49 172.3 136.4 204.6
51 48.8 45.1 67.7
86 64.6 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 20.10 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

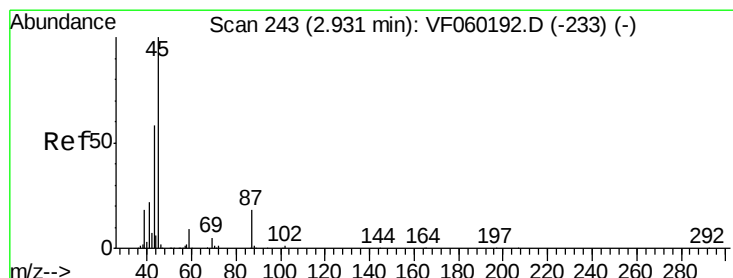
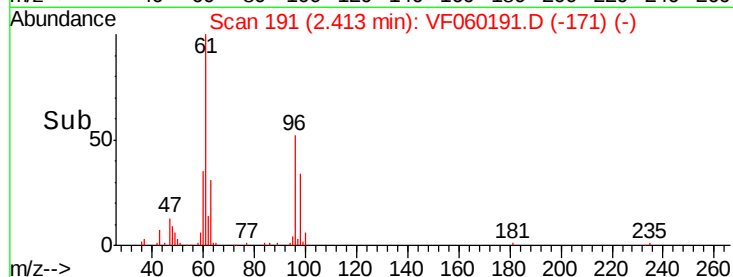
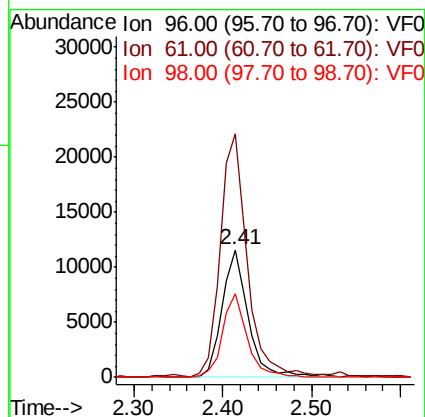
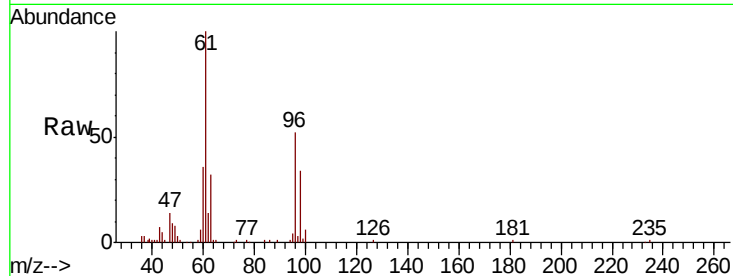
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	24017
Ion	Ratio	Lower	Upper
96	100		
61	191.5	159.8	239.8
98	65.4	51.9	77.9

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#22

Diisopropyl ether

Concen: 33.31 ug/l

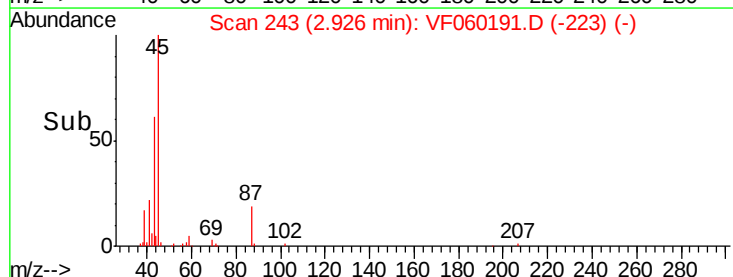
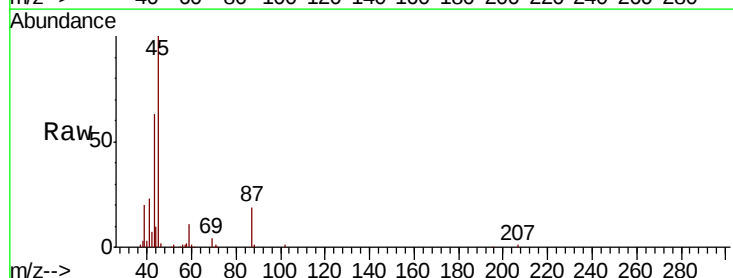
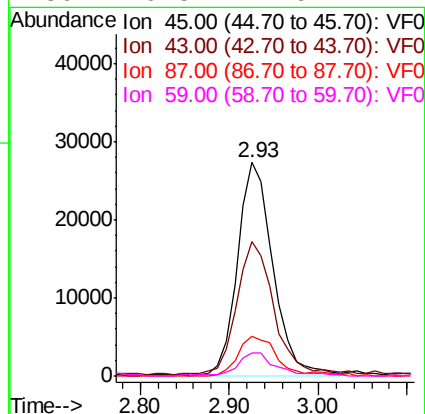
RT: 2.93 min Scan# 243

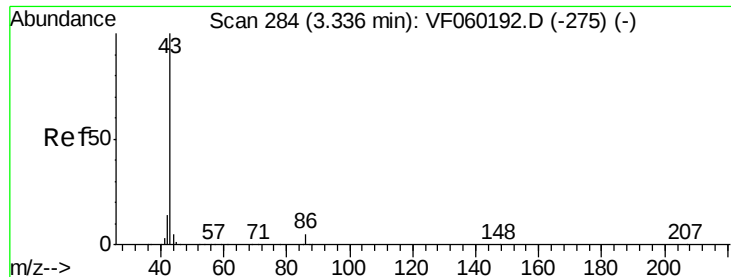
Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Tgt Ion:	45	Resp:	75960
Ion	Ratio	Lower	Upper
45	100		
43	62.8	46.6	70.0
87	18.9	14.3	21.5
59	10.5	7.6	11.4





#23

Vinyl Acetate

Concen: 334.70 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 269476

Ion Ratio Lower Upper

43 100

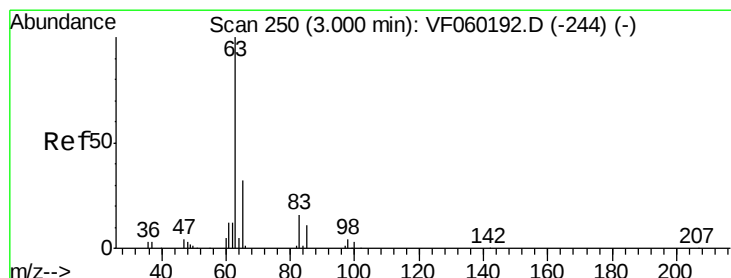
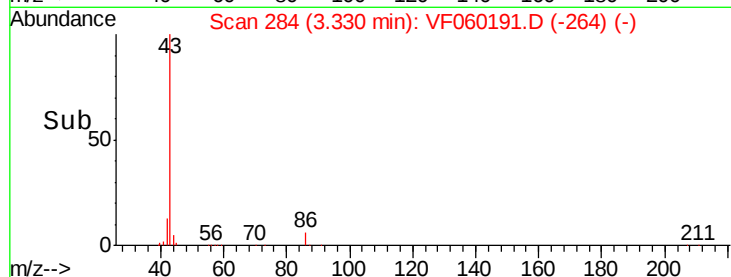
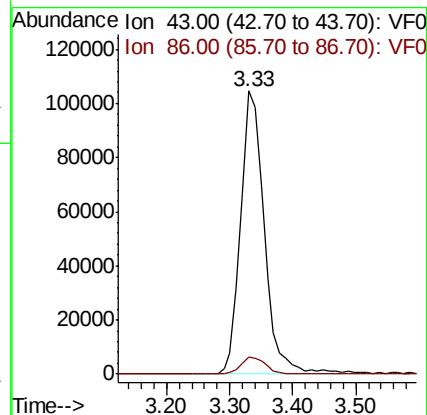
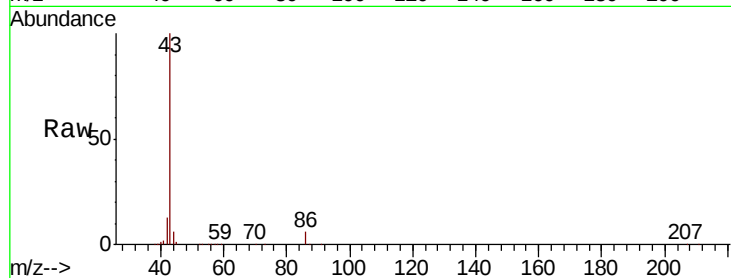
86 6.3 4.0 6.0#

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#24

1,1-Dichloroethane

Concen: 24.92 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

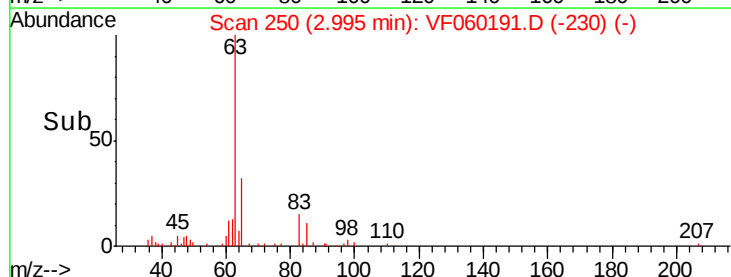
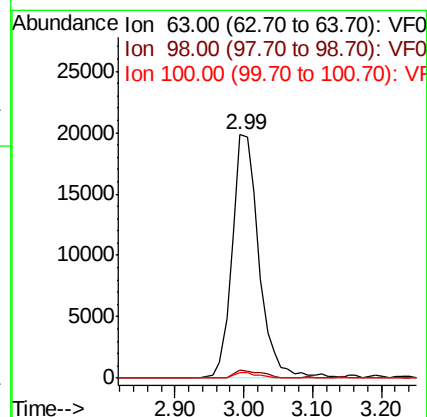
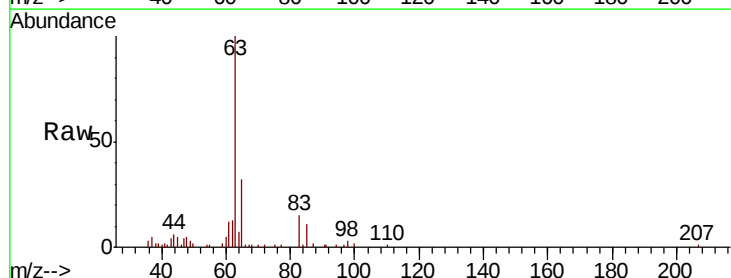
Tgt Ion: 63 Resp: 53378

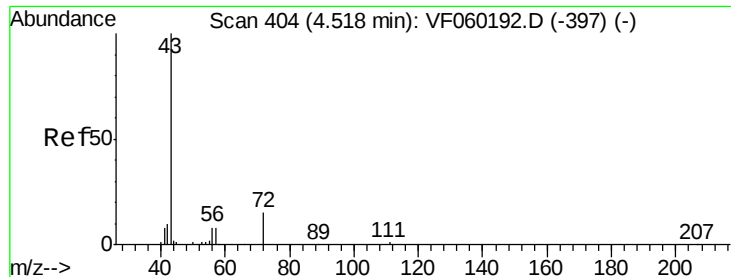
Ion Ratio Lower Upper

63 100

98 3.4 1.9 5.7

100 2.5 1.5 4.4





#25

2-Butanone

Concen: 427.98 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 93718

Ion Ratio Lower Upper

43 100

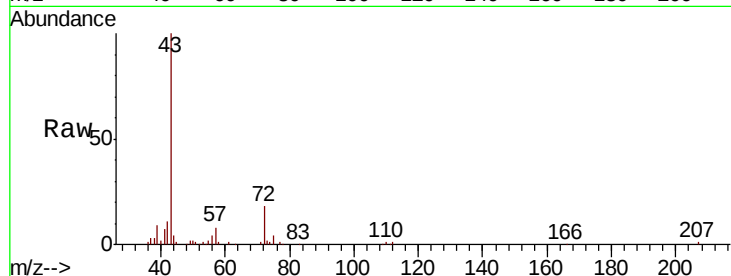
72 17.9 14.4 21.6

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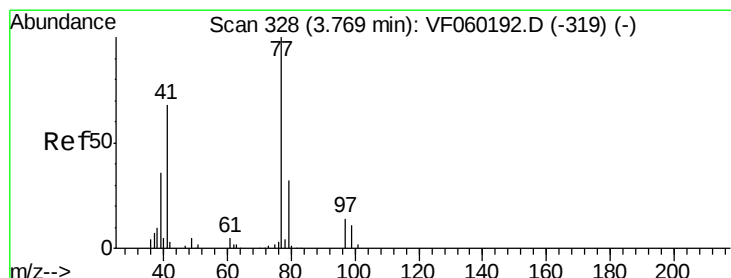
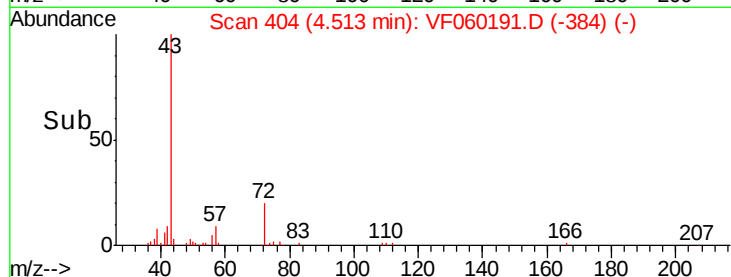
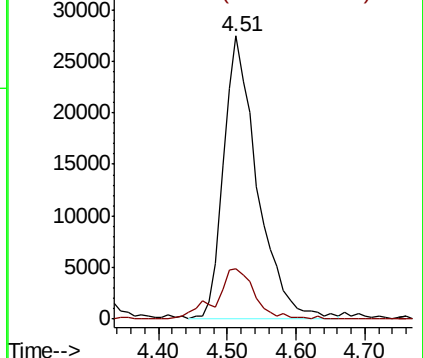
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 40.47 ug/l

RT: 3.76 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF060191.D

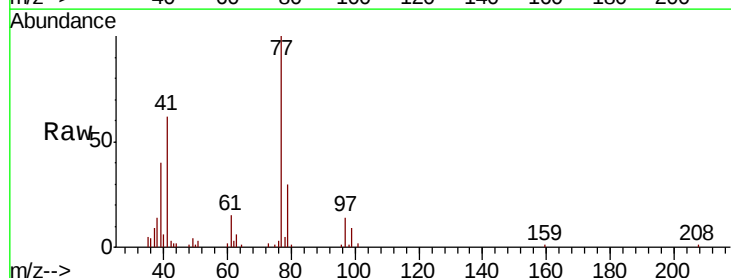
Acq: 29 Aug 2018 16:03

Tgt Ion: 77 Resp: 69799

Ion Ratio Lower Upper

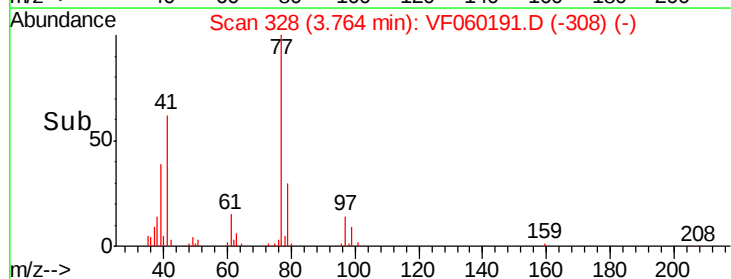
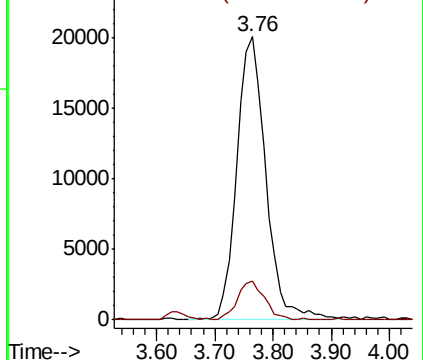
77 100

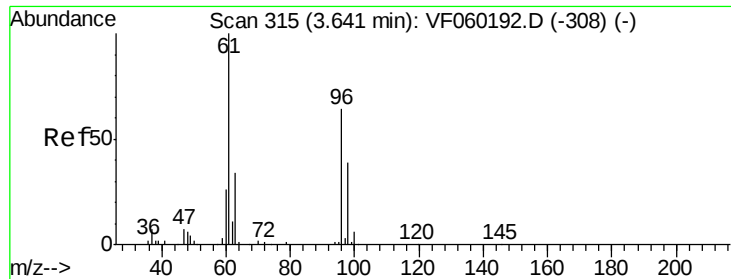
97 13.5 7.1 21.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

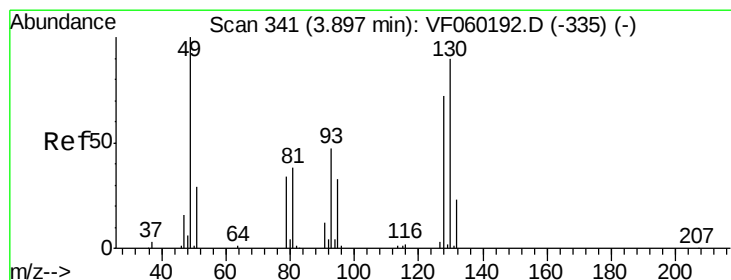
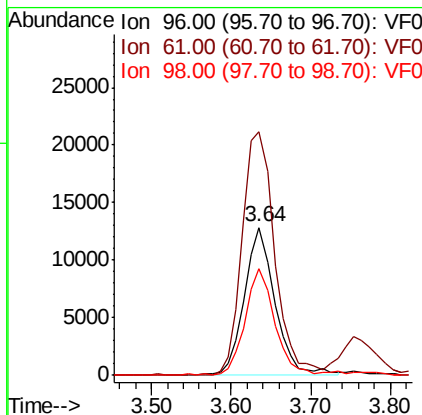
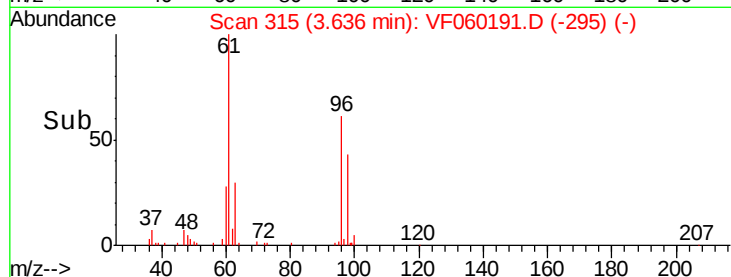
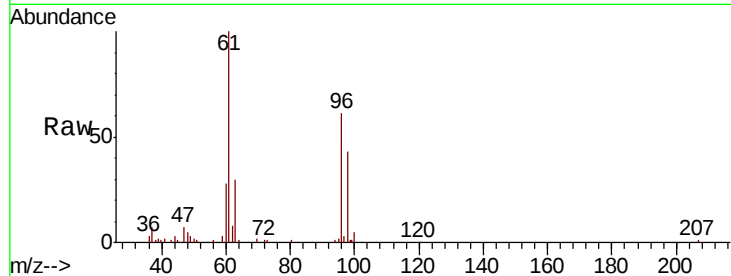
cis-1,2-Dichloroethene
 Concen: 35.39 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VF060191.D
 Acq: 29 Aug 2018 16:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	164.9	0.0	34177	311.8	
98	72.4	0.0	121.4		

Manual Integrations
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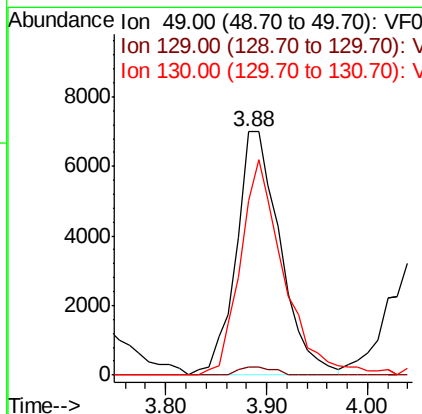
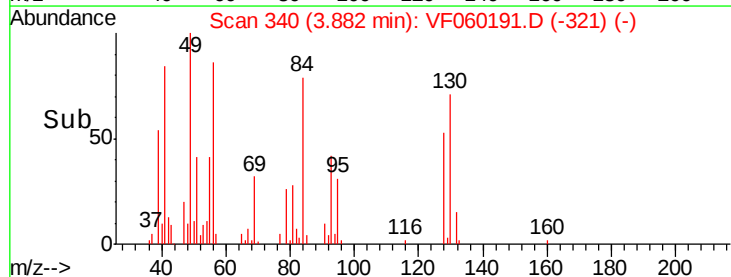
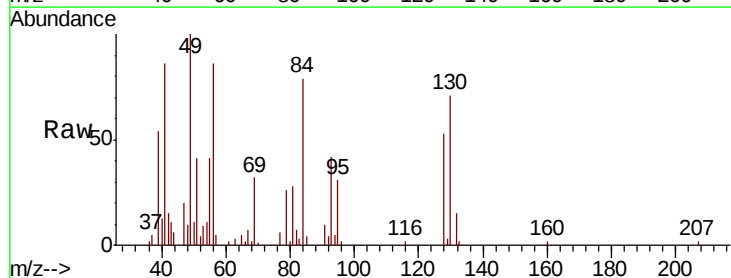
apatel
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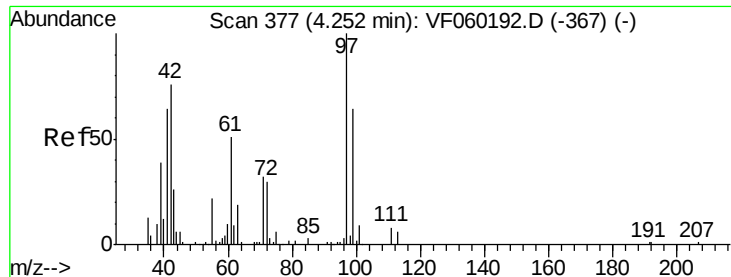


#28

Bromochloromethane
 Concen: 39.99 ug/l
 RT: 3.88 min Scan# 340
 Delta R.T. -0.02 min
 Lab File: VF060191.D
 Acq: 29 Aug 2018 16:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	3.2	0.0	21379	3.8	
130	71.5	70.3	105.5		





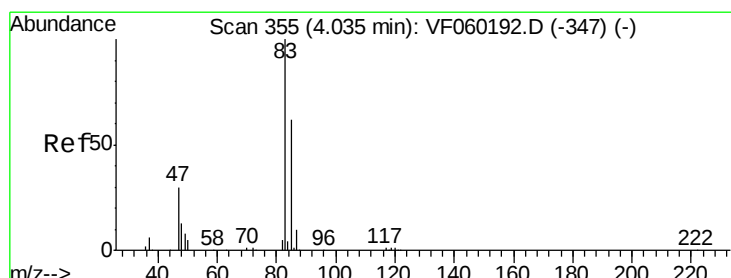
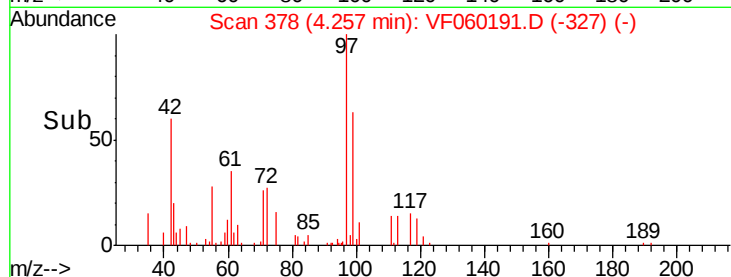
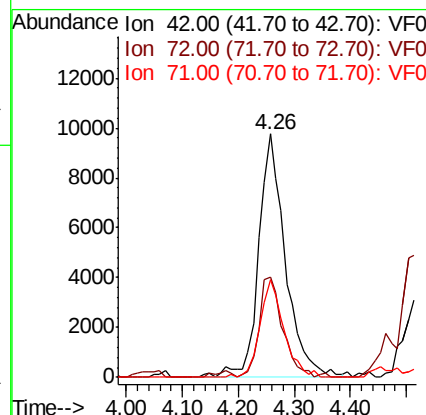
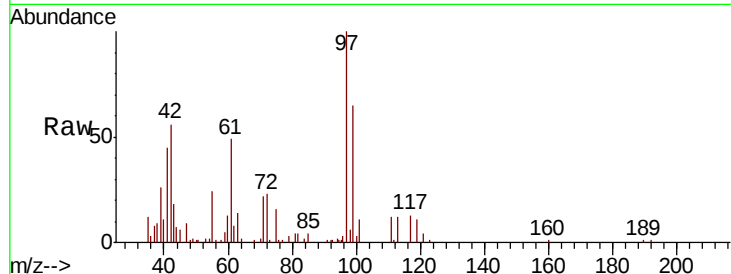
#29
Tetrahydrofuran
Concen: 362.51 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	28.2	42.2
71	35.8	28.6	42.8

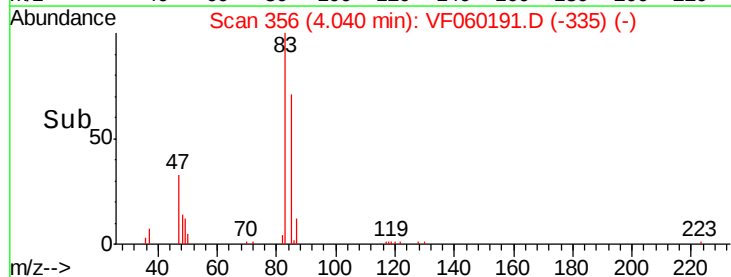
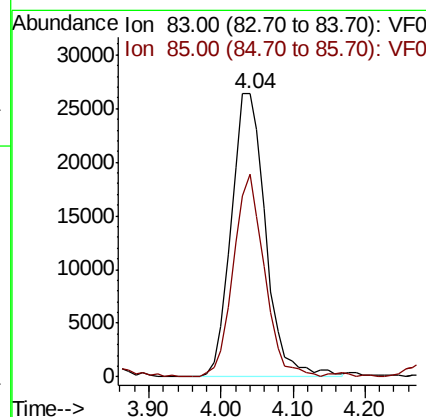
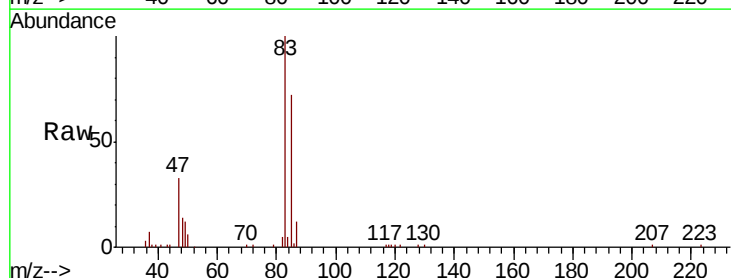
Manual Integrations
APPROVED

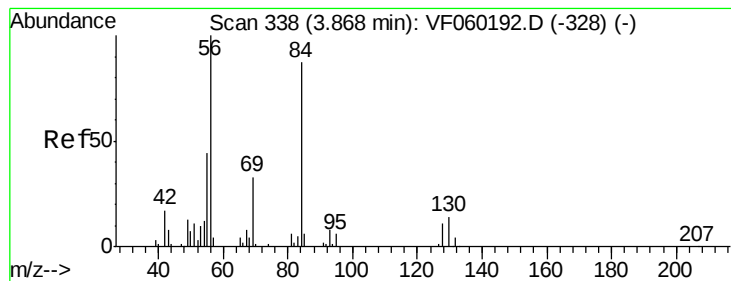
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#30
Chloroform
Concen: 33.58 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.5	49.5	74.3





#31

Cyclohexane

Concen: 19.20 ug/l

RT: 3.86 min Scan# 338

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

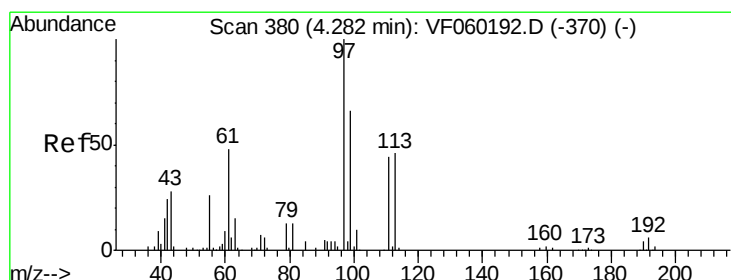
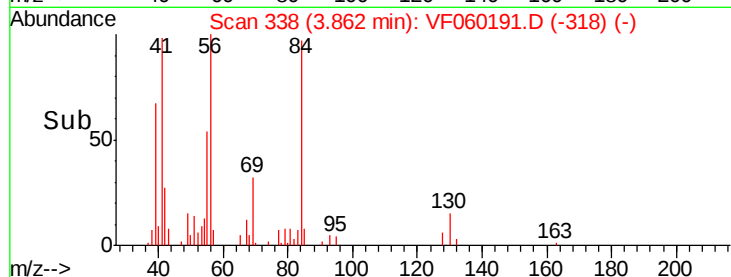
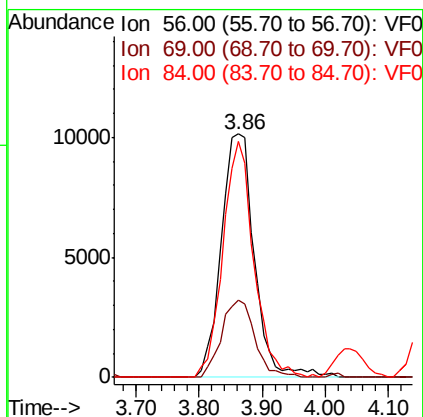
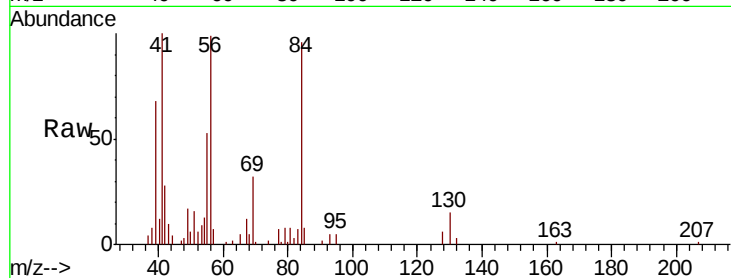
ClientSampled :

VSTDIC020

Tot Ion:	56	Resp:	36937
Ion	Ratio	Lower	Upper
56	100		
69	31.9	26.4	39.6
84	97.1	69.9	104.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 24.08 ug/l

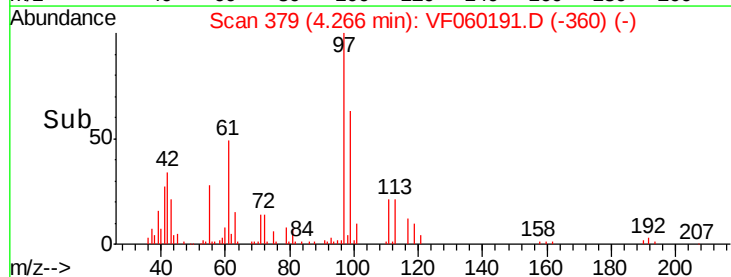
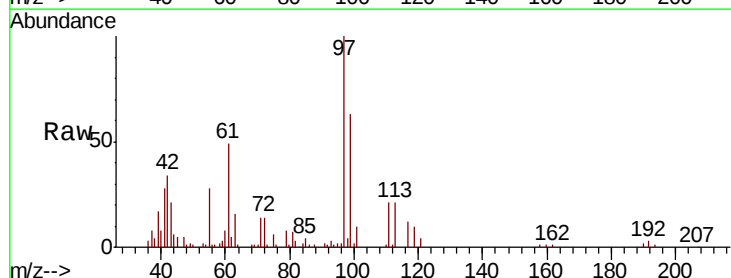
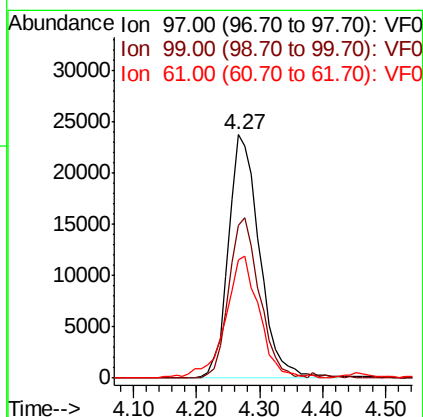
RT: 4.27 min Scan# 379

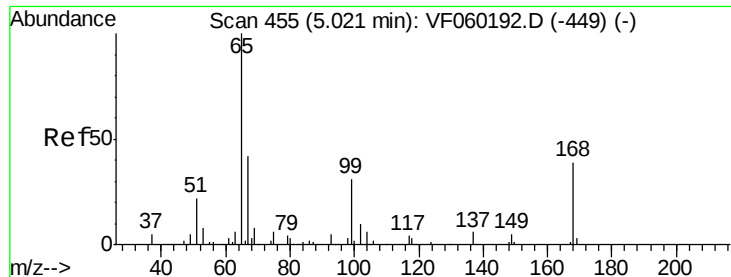
Delta R.T. -0.02 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Tgt Ion:	97	Resp:	80973
Ion	Ratio	Lower	Upper
97	100		
99	62.7	53.0	79.6
61	48.5	38.9	58.3





#33

1,2-Dichloroethane-d4

Concen: 47.13 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 58700

Ion Ratio Lower Upper

65 100

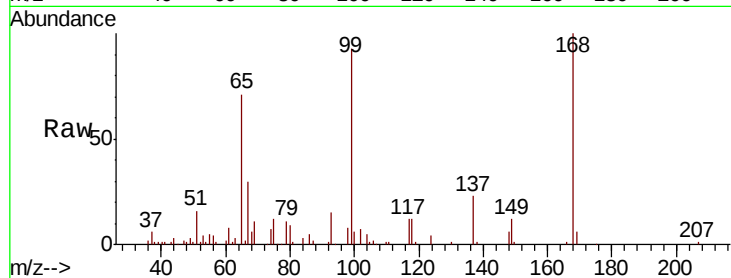
67 42.0 0.0 87.8

Manual Integrations

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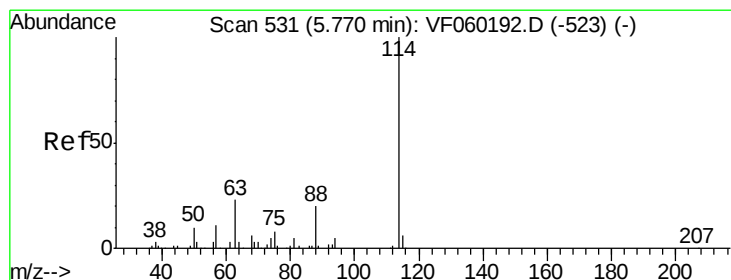
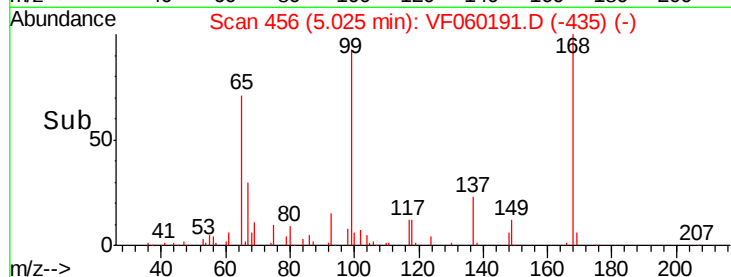
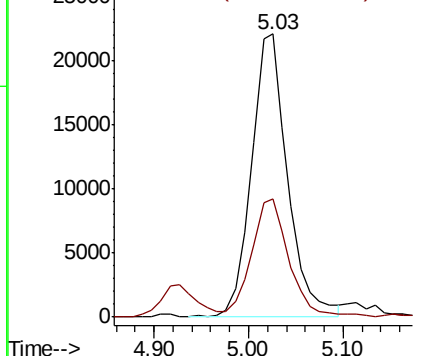
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

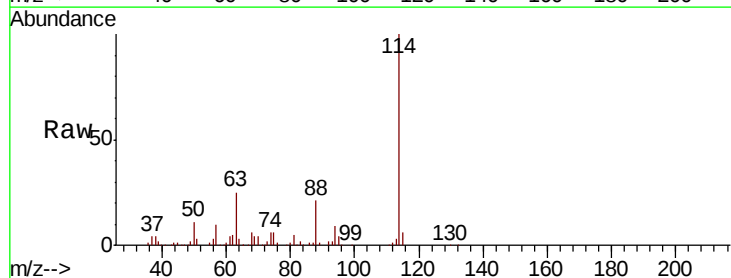
Tgt Ion: 114 Resp: 219941

Ion Ratio Lower Upper

114 100

63 24.8 0.0 46.4

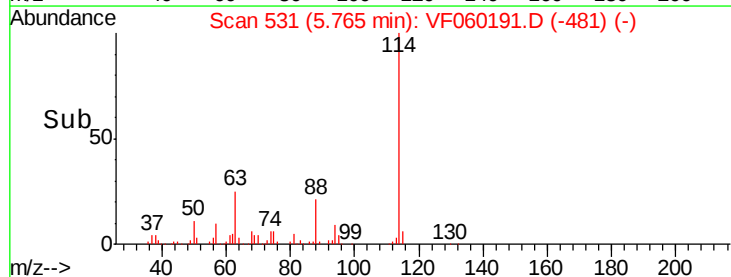
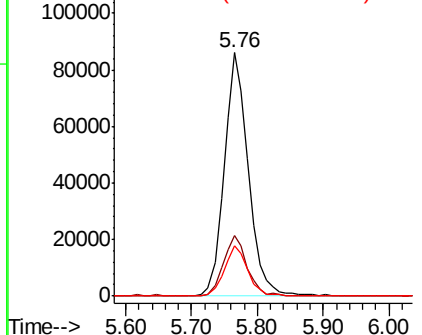
88 20.8 0.0 40.4

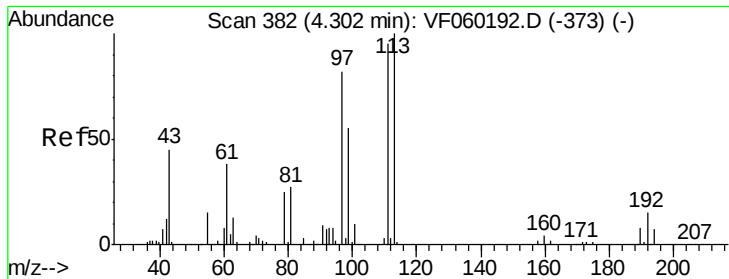


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





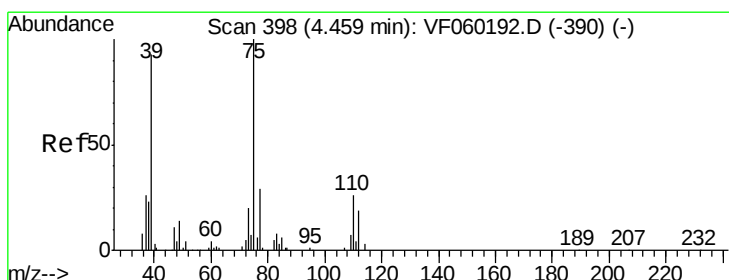
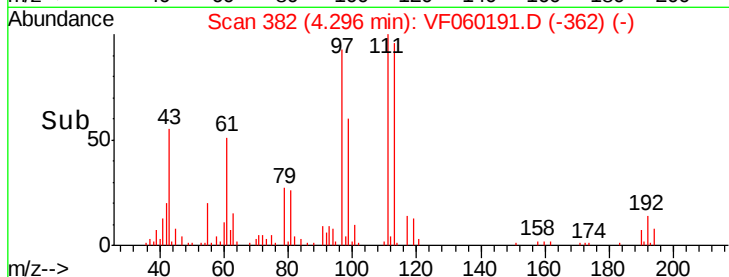
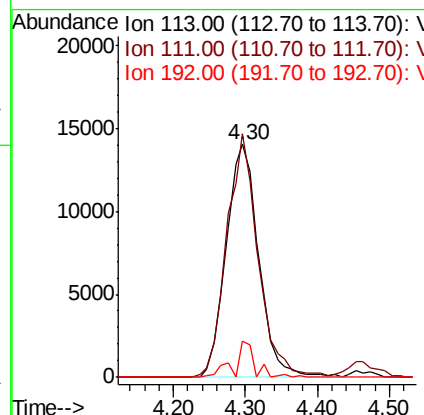
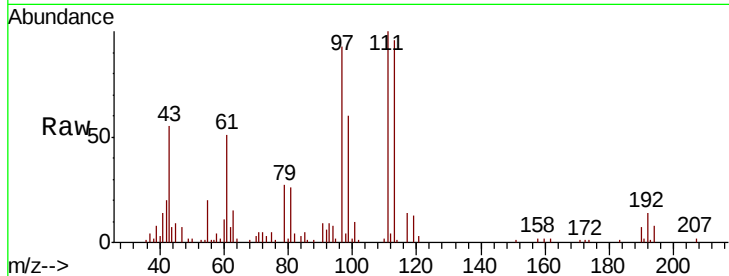
#35
 Dibromofluoromethane
 Concen: 28.71 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF060191.D
 Acq: 29 Aug 2018 16:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	75.8	113.8
192	15.7	12.2	18.4

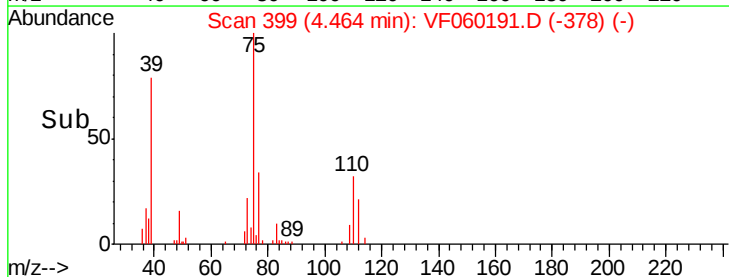
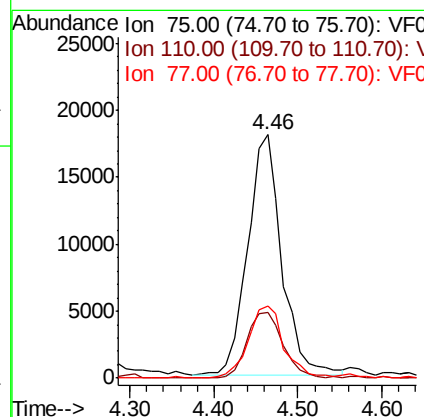
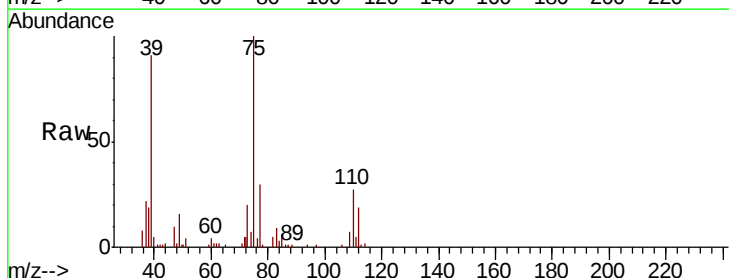
Manual Integrations
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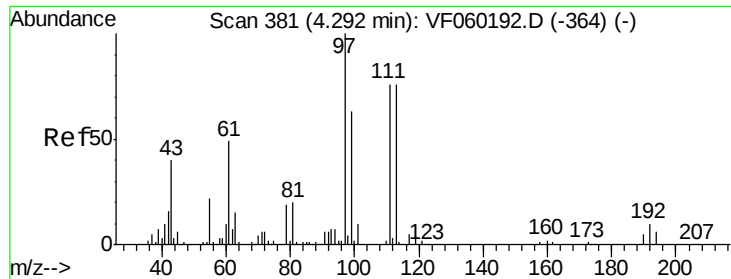
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#36
 1,1-Dichloropropene
 Concen: 17.24 ug/l
 RT: 4.46 min Scan# 399
 Delta R.T. 0.00 min
 Lab File: VF060191.D
 Acq: 29 Aug 2018 16:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	26.9	13.0	38.9
77	29.9	22.9	34.3





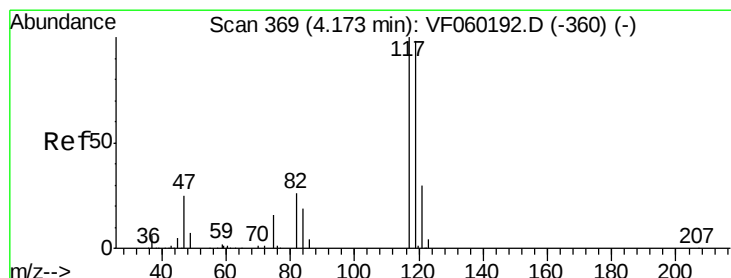
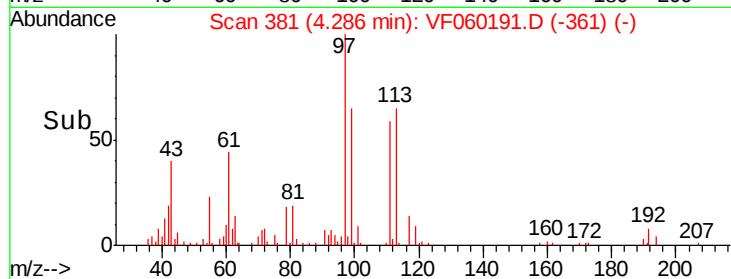
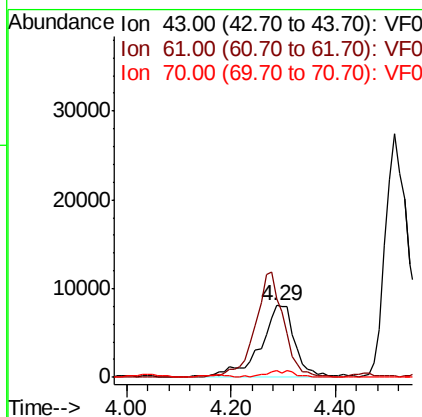
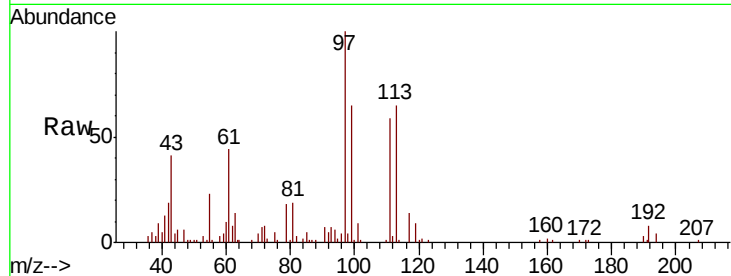
#37
Ethyl Acetate
Concen: 65.67 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	43	61	70	Resp	Lower	Upper
36971	100	109.2	9.2			
		97.2	9.0		145.8	13.6

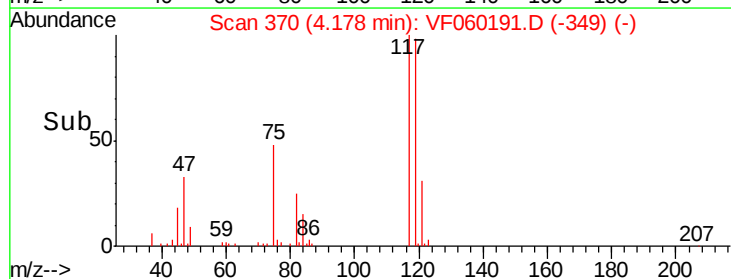
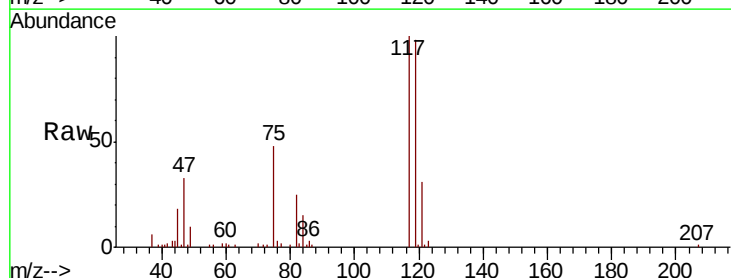
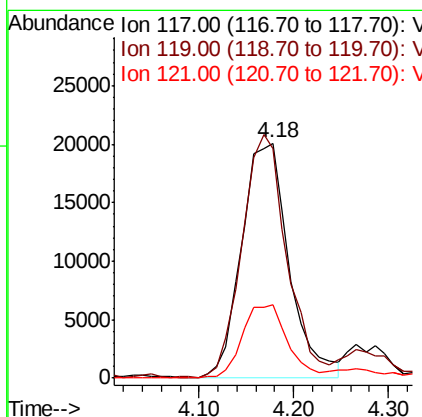
Manual Integrations
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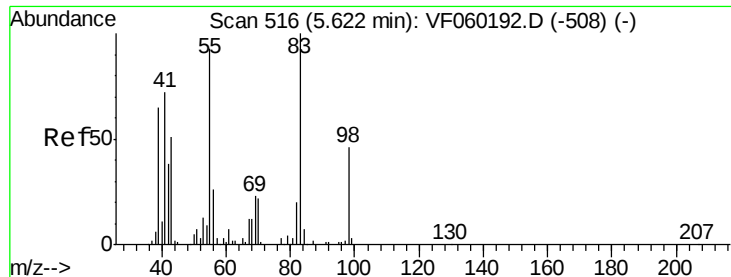
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#38
Carbon Tetrachloride
Concen: 17.58 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Tgt Ion	117	119	121	Resp	Lower	Upper
70221	100	97.8	31.3			
		79.0	24.6		118.6	37.0





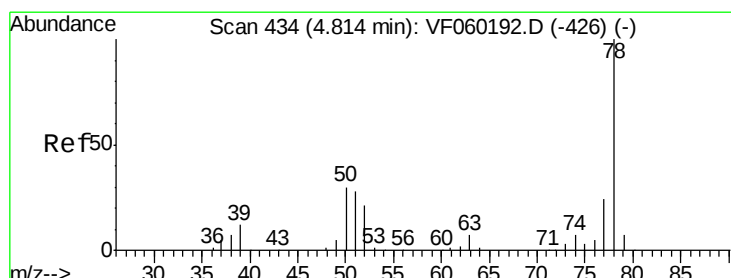
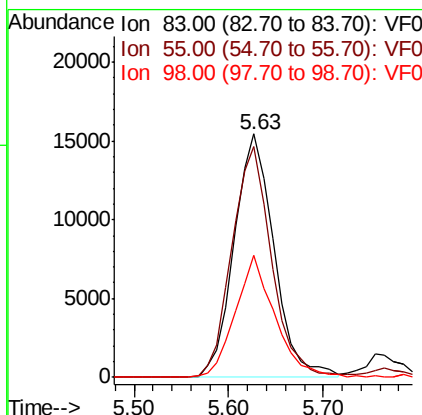
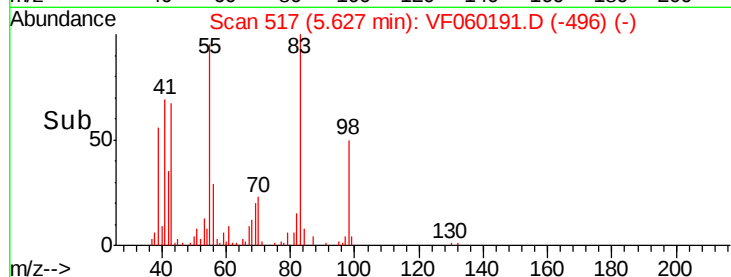
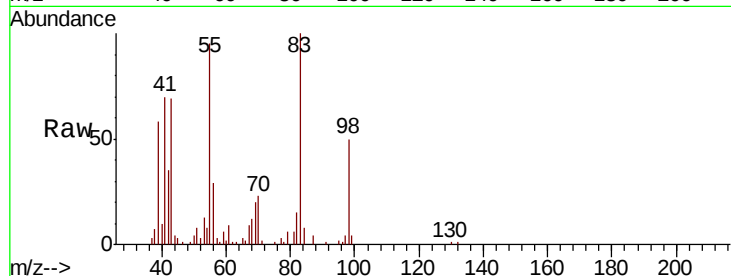
#39
Methvlcvclohexane
Concen: 16.42 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.00 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.0	74.5	111.7
98	50.2	36.7	55.1

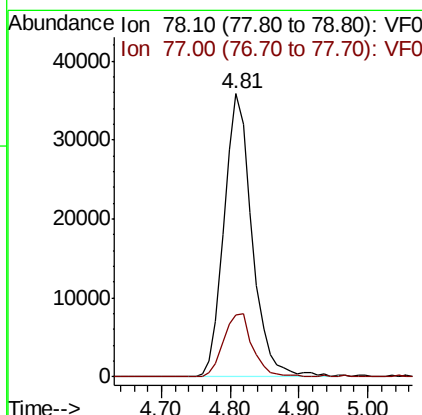
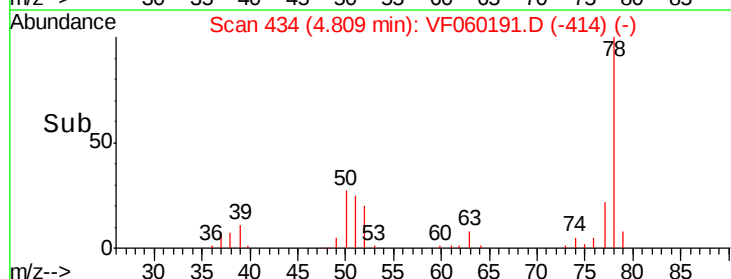
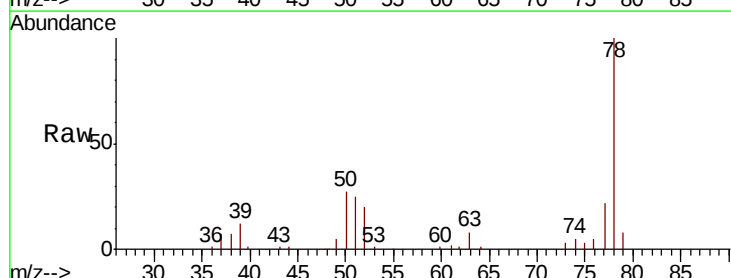
Manual Integrations
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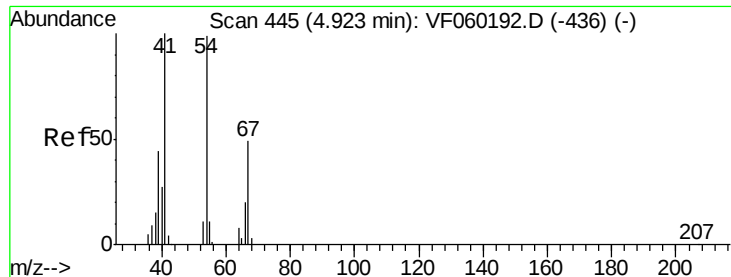
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#40
Benzene
Concen: 23.82 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	19.4	29.0





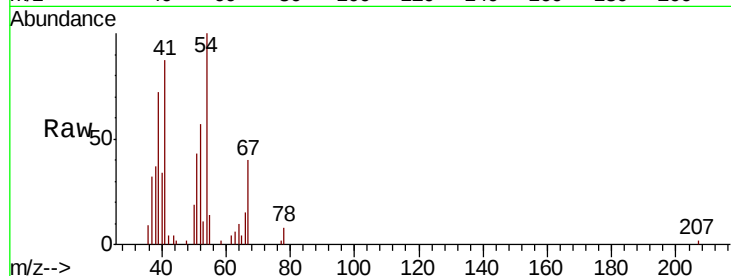
#41
Methacrylonitrile
Concen: 47.69 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.01 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

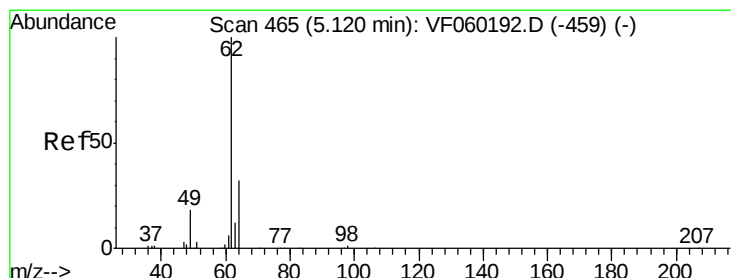
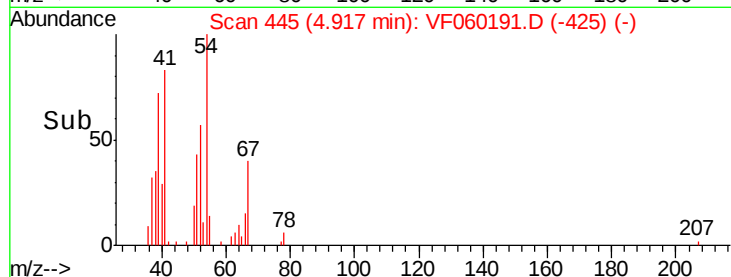
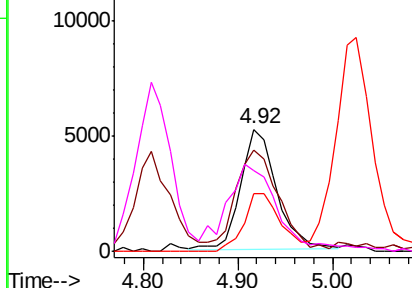
Tot Ion	Ratio	Lower	Upper
41	100		
39	82.6	64.5	96.7
67	46.7	38.5	57.7
52	66.4	47.1	70.7

Manual Integrations
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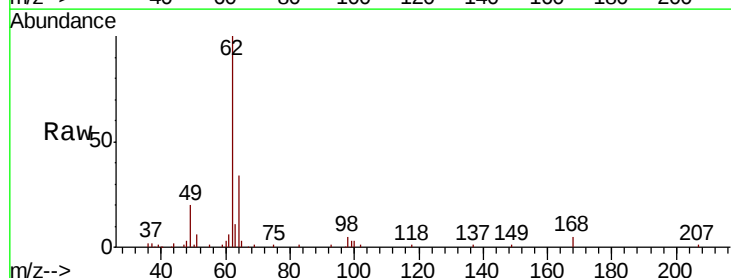


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

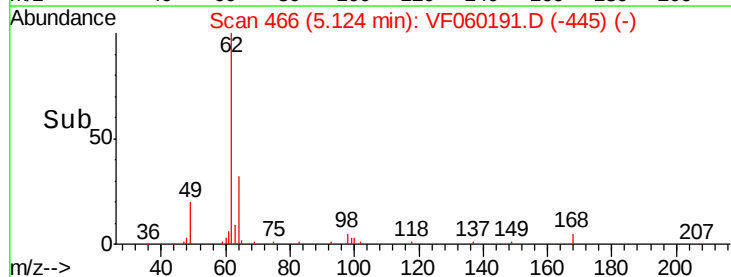
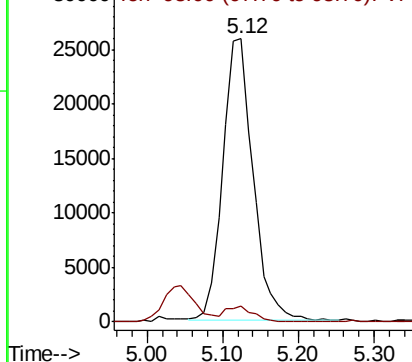


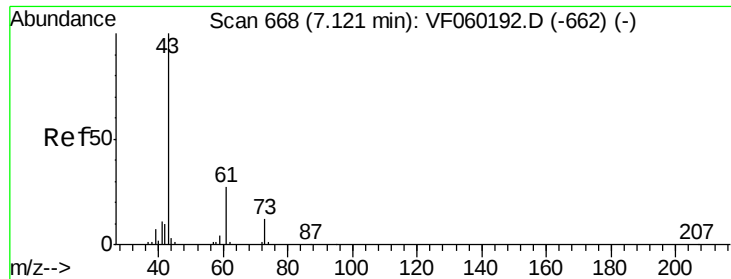
#42
1,2-Dichloroethane
Concen: 39.61 ug/l
RT: 5.12 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.4	0.0	9.2



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

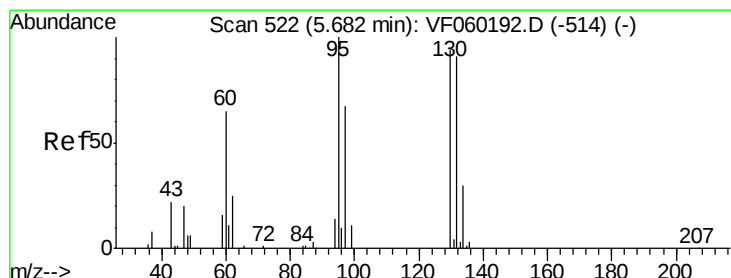
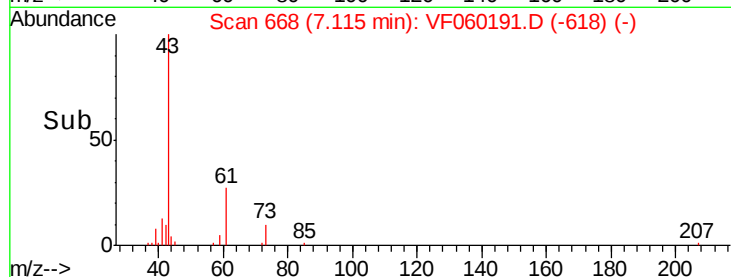
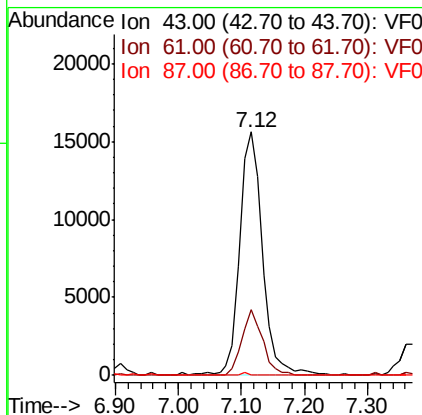
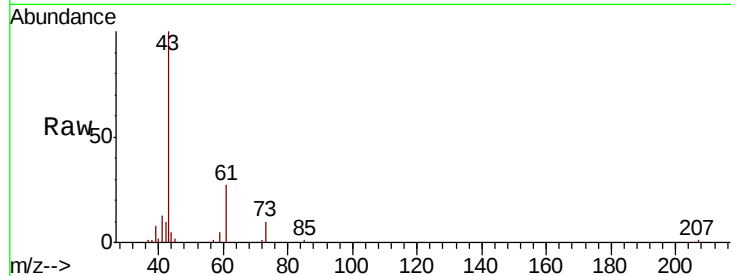
Isopropyl Acetate
 Concen: 56.53 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: VF060191.D
 Acq: 29 Aug 2018 16:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.4	32.0
87	0.0	0.3	0.5

Manual Integrations
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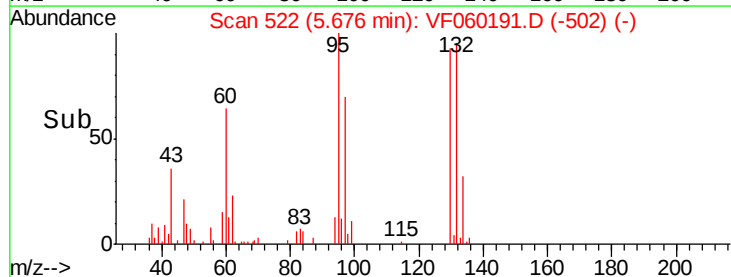
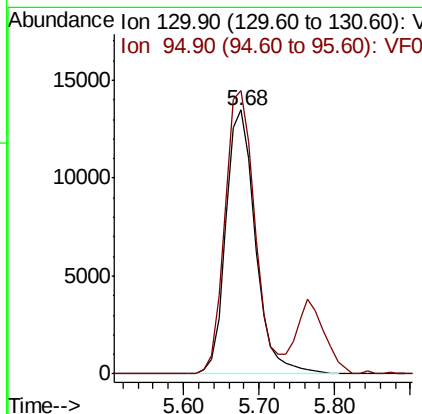
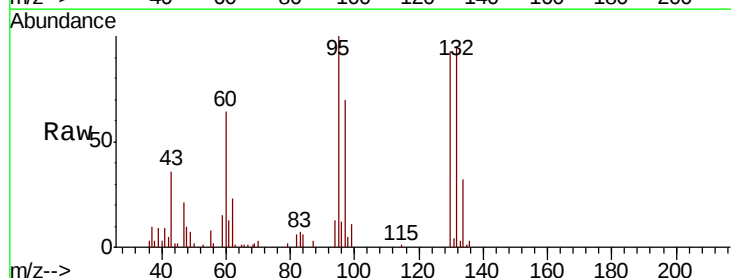
apatel
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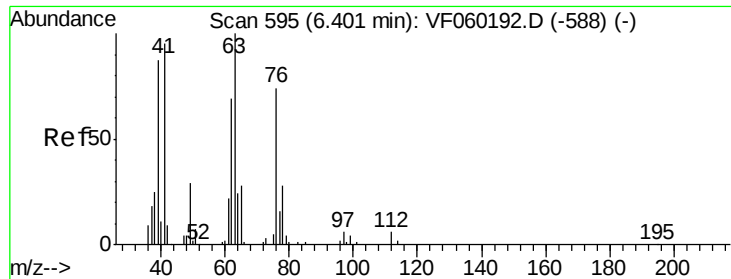


#44

Trichloroethene
 Concen: 20.78 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: VF060191.D
 Acq: 29 Aug 2018 16:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.2	0.0	213.4





#45

1,2-Dichloropropane

Concen: 32.12 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 31060

Ion Ratio Lower Upper

63 100

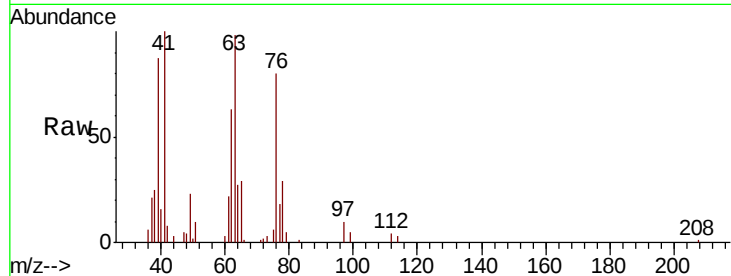
65 29.6 22.2 33.4

Manual Integrations

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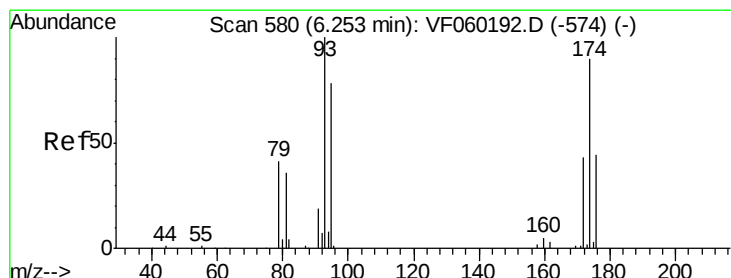
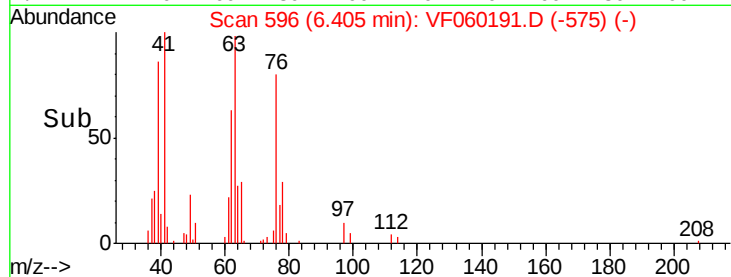
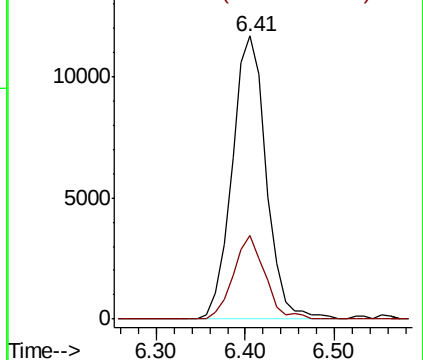
apatel

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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: 46.49 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

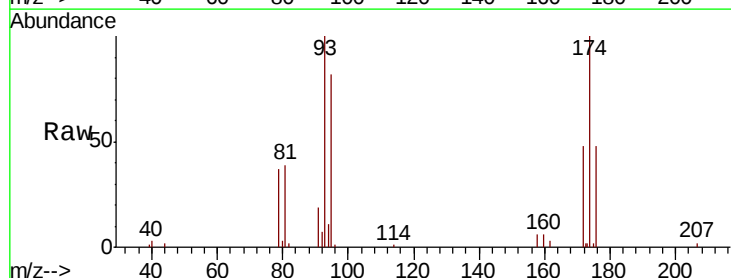
Tgt Ion: 93 Resp: 27773

Ion Ratio Lower Upper

93 100

95 82.5 63.4 95.2

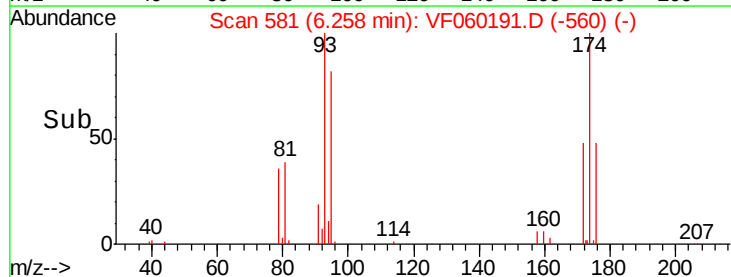
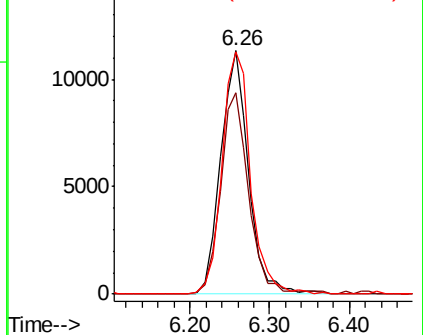
174 99.8 72.0 108.0

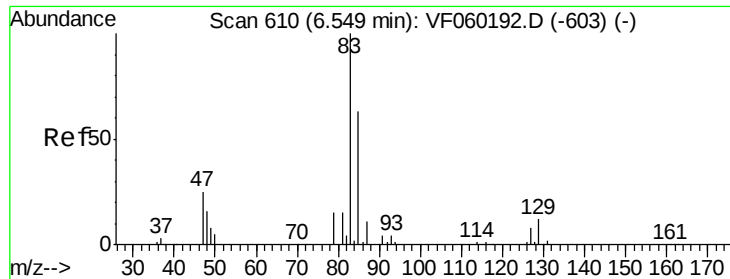


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 34.77 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

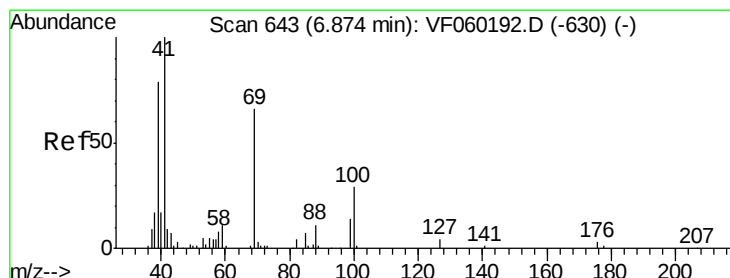
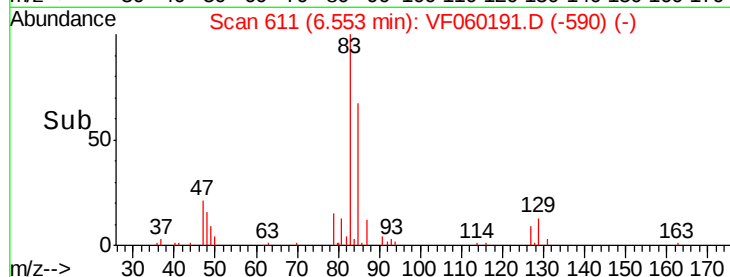
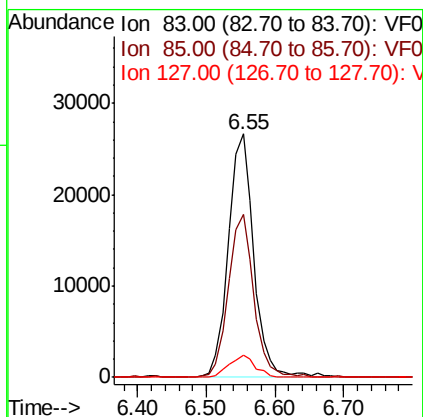
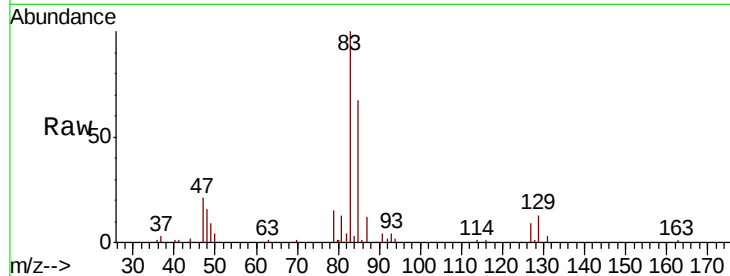
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	68256
Ion Ratio	Lower	Upper	
83	100		
85	67.0	50.1	75.1
127	9.0	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.67 ug/l

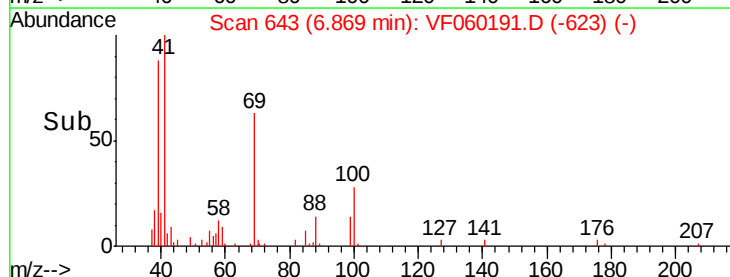
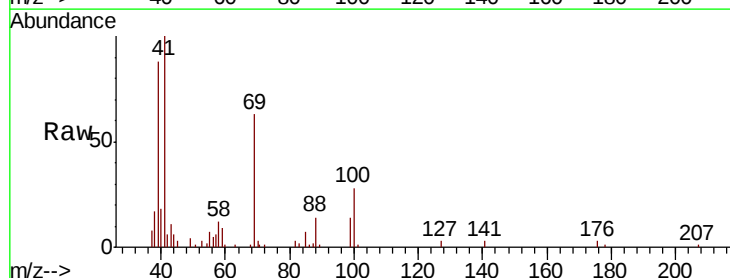
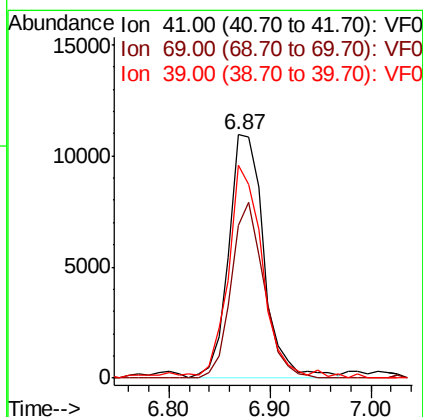
RT: 6.87 min Scan# 643

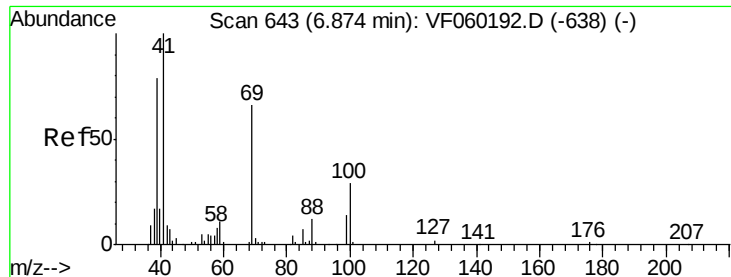
Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Tgt Ion:	41	Resp:	26601
Ion Ratio	Lower	Upper	
41	100		
69	62.5	52.4	78.6
39	87.6	63.6	95.4





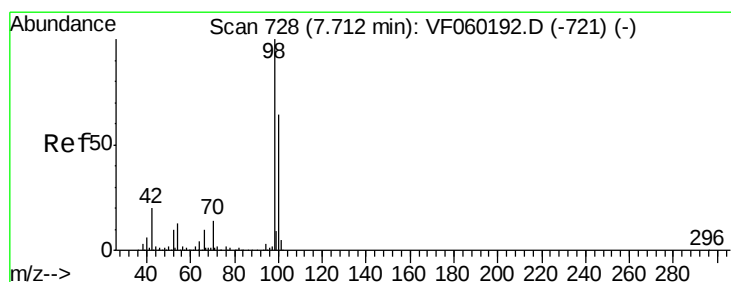
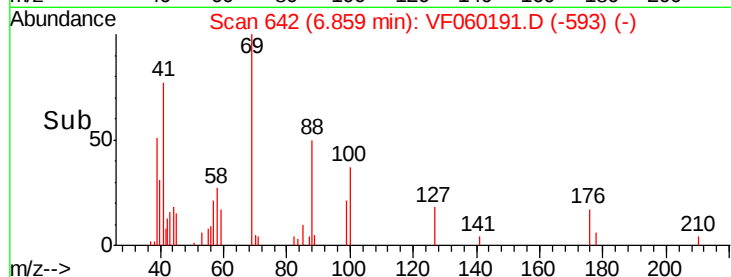
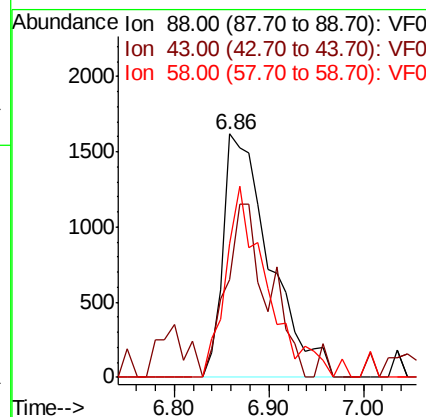
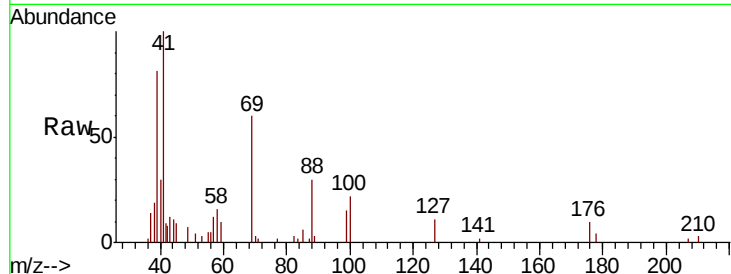
#49
1,4-Dioxane
Concen: 1462.43 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.02 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	39.9		56.5	84.7#
58	54.9		53.5	80.3

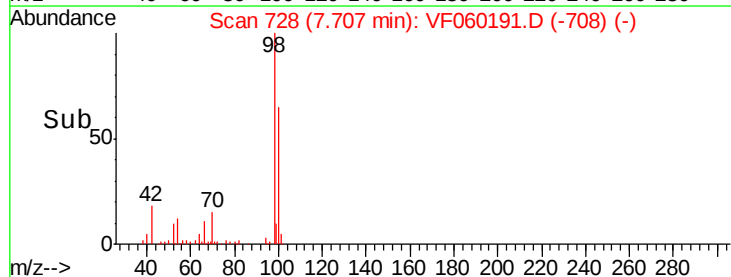
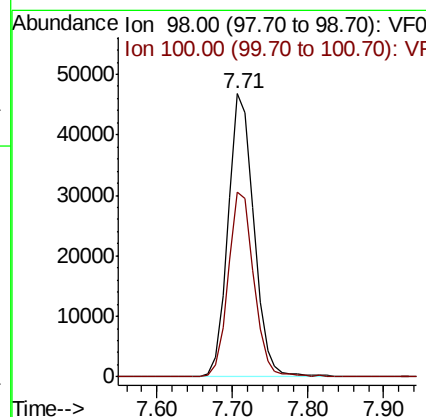
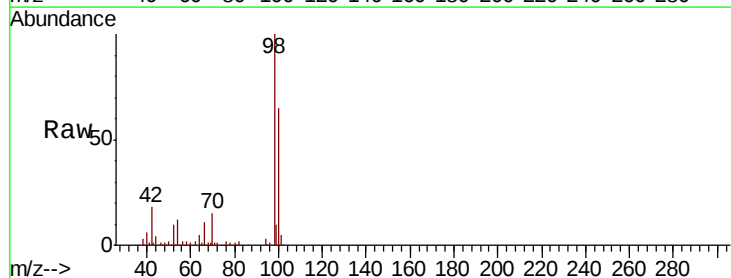
Manual Integrations
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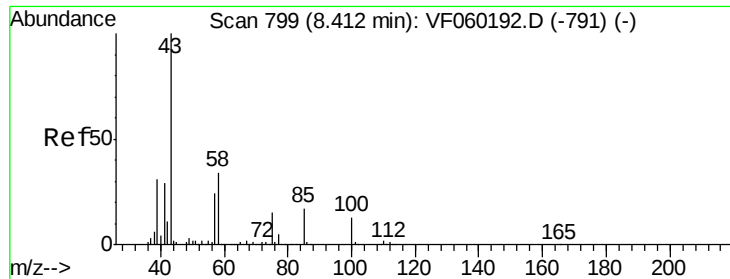
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#50
Toluene-d8
Concen: 22.52 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.3		51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 300.98 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 186951

Ion Ratio Lower Upper

43 100

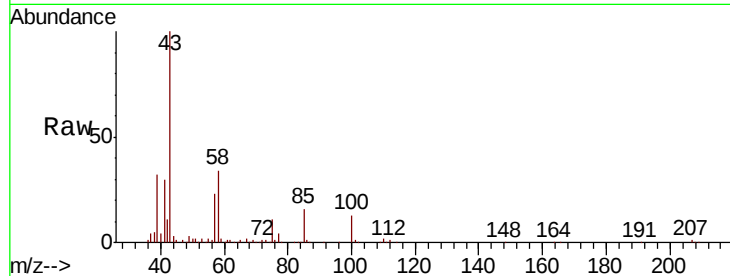
58 34.3 27.2 40.8

Manual Integrations

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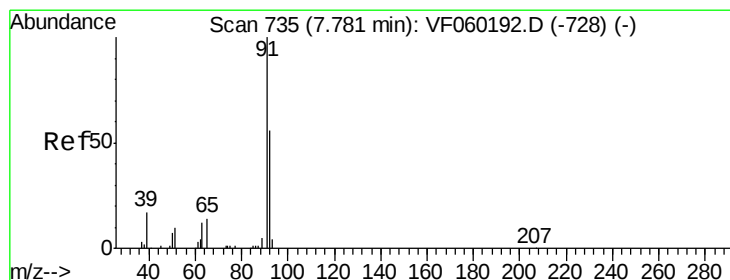
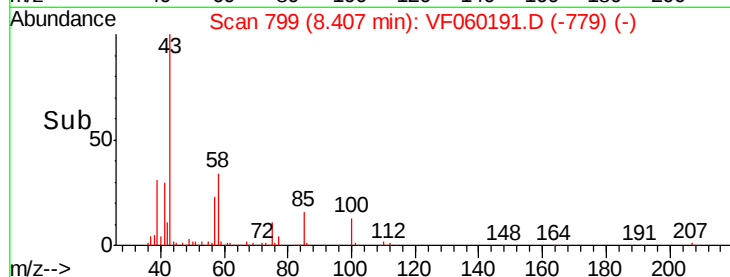
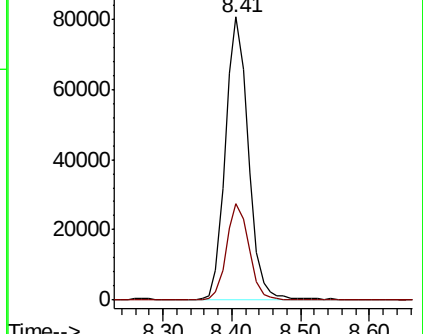
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 23.56 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060191.D

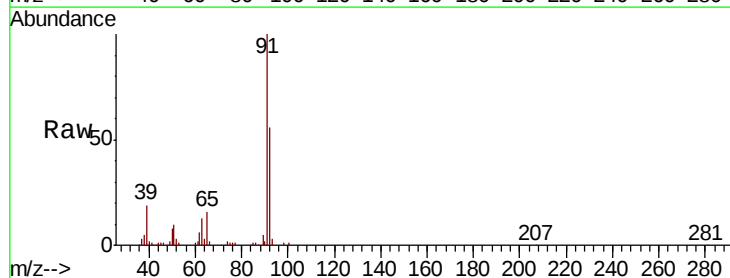
Acq: 29 Aug 2018 16:03

Tgt Ion: 92 Resp: 75756

Ion Ratio Lower Upper

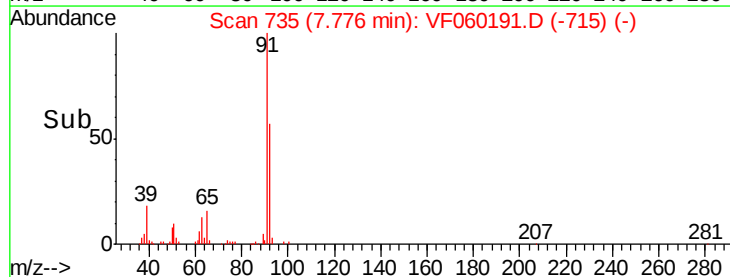
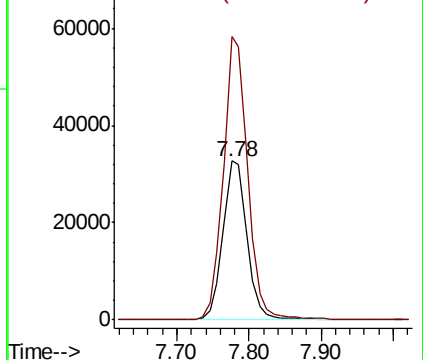
92 100

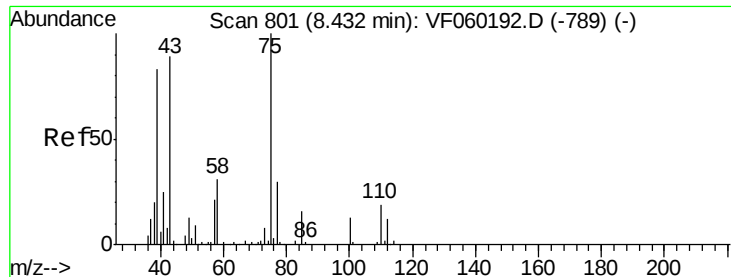
91 178.1 143.2 214.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 49.40 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 63849

Ion Ratio Lower Upper

75 100

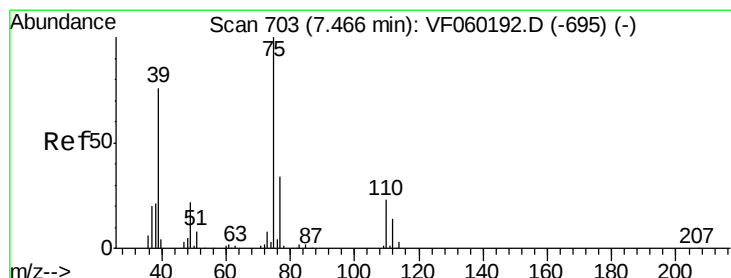
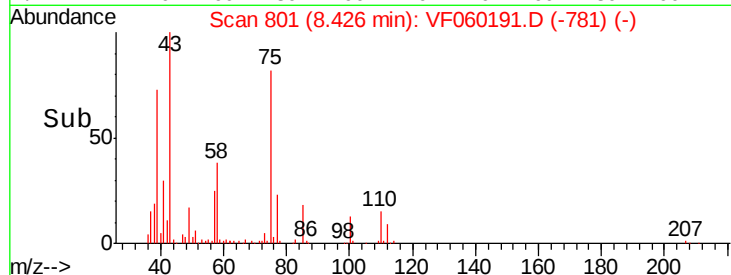
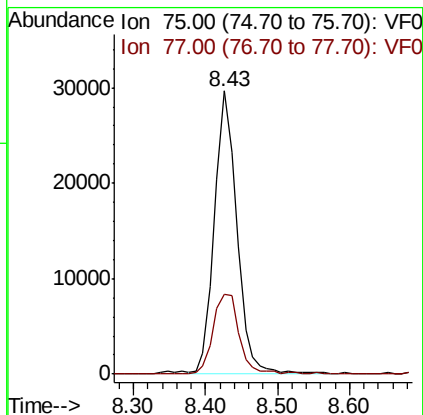
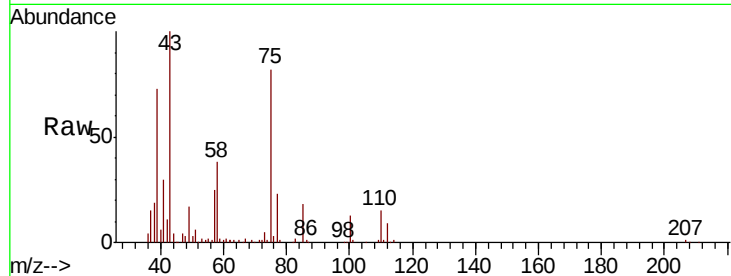
77 28.4 24.2 36.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 41.48 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

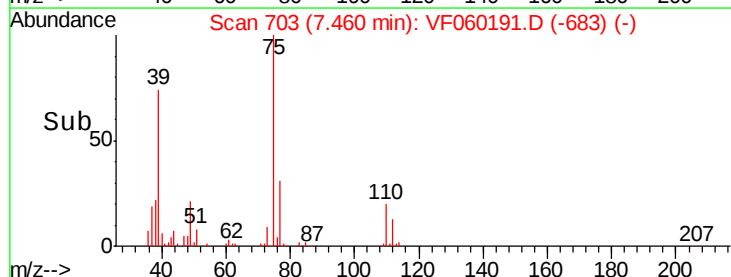
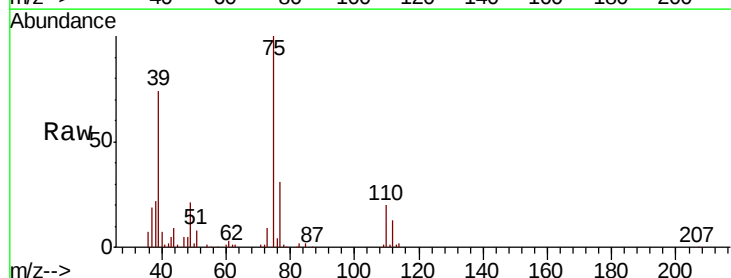
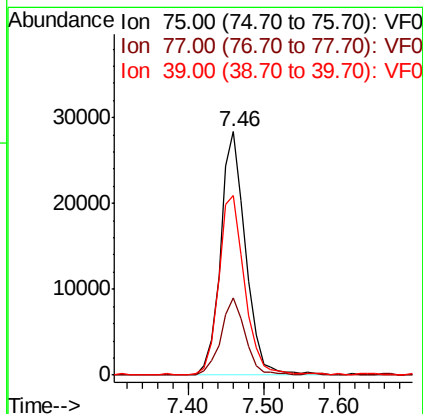
Tgt Ion: 75 Resp: 64986

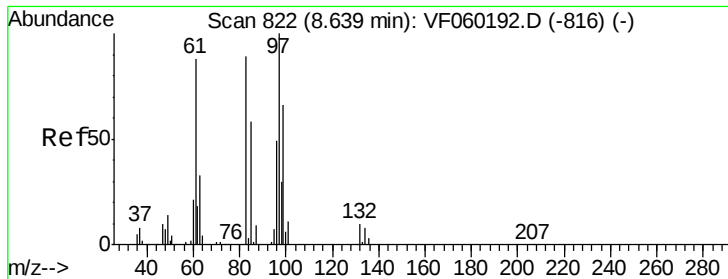
Ion Ratio Lower Upper

75 100

77 31.5 27.0 40.4

39 73.9 61.4 92.0





#55

1,1,2-Trichloroethane

Concen: 45.97 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

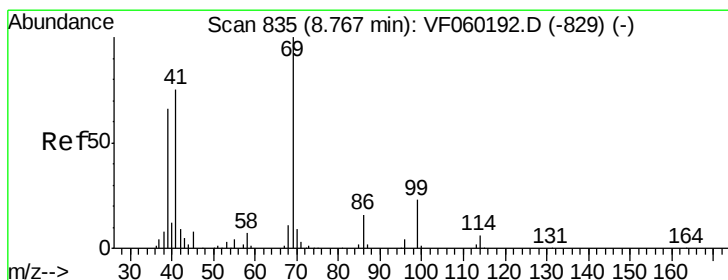
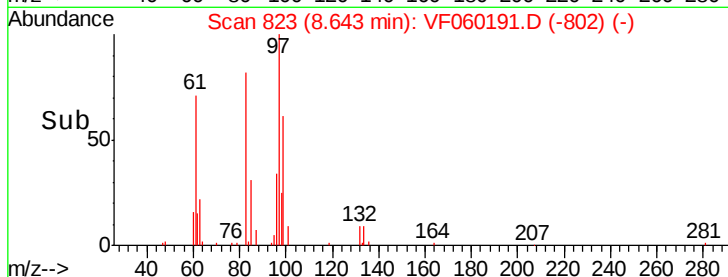
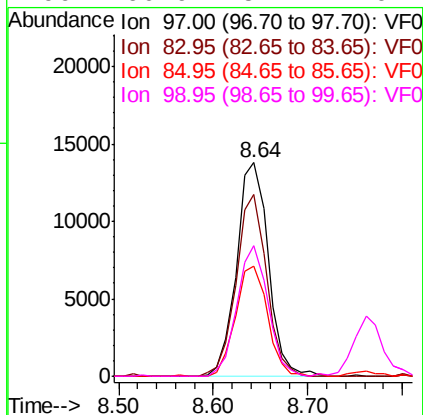
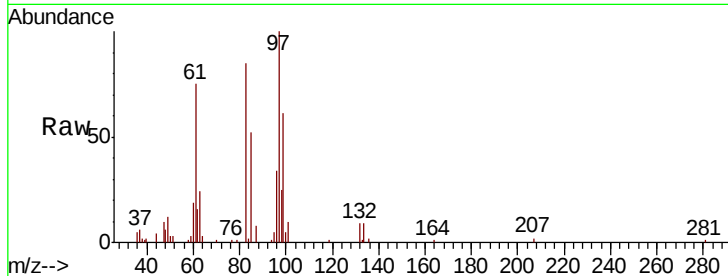
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	32099
Ion	Ratio	Lower	Upper
97	100		
83	85.0	71.0	106.4
85	51.6	46.6	70.0
99	60.9	52.7	79.1

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#56

Ethyl methacrylate

Concen: 53.25 ug/l

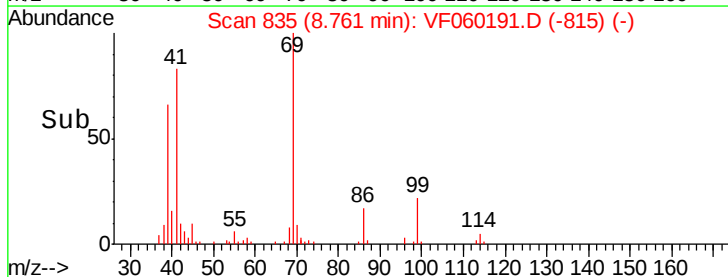
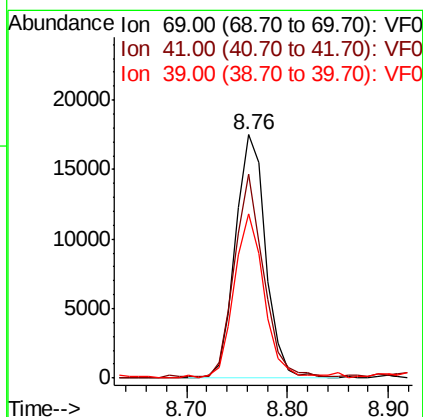
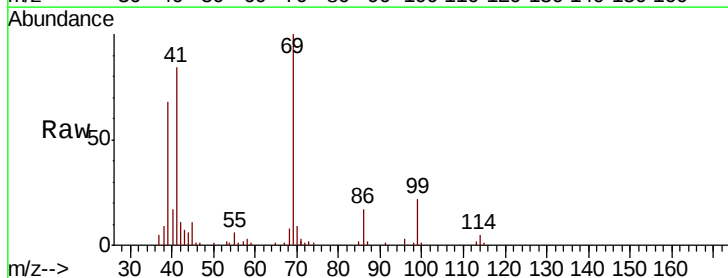
RT: 8.76 min Scan# 835

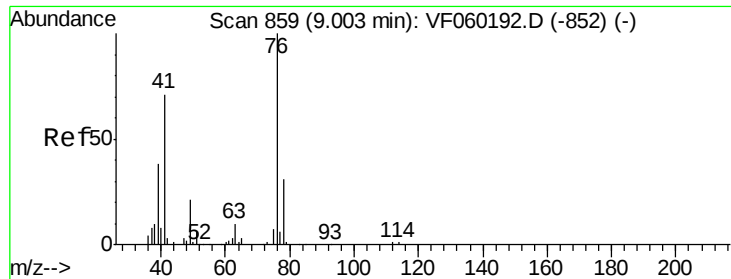
Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Tgt Ion:	69	Resp:	36615
Ion	Ratio	Lower	Upper
69	100		
41	83.9	60.6	90.8
39	67.7	53.4	80.2





#57

1,3-Dichloropropane

Concen: 44.40 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 53859

Ion Ratio Lower Upper

76 100

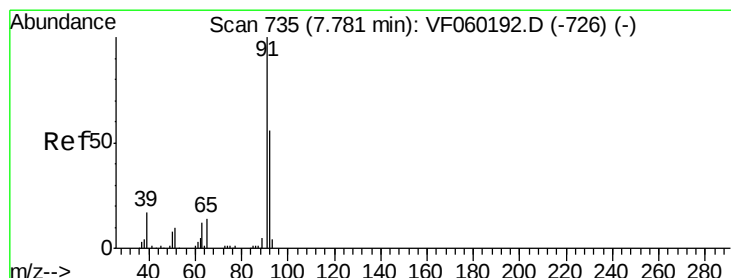
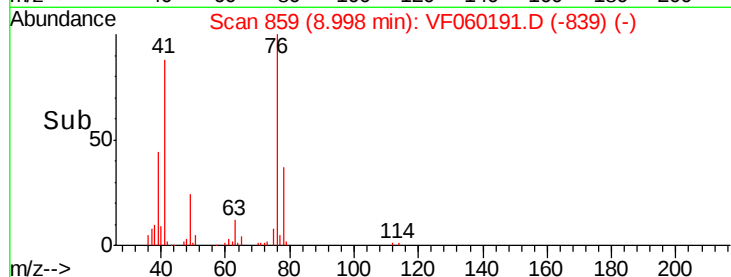
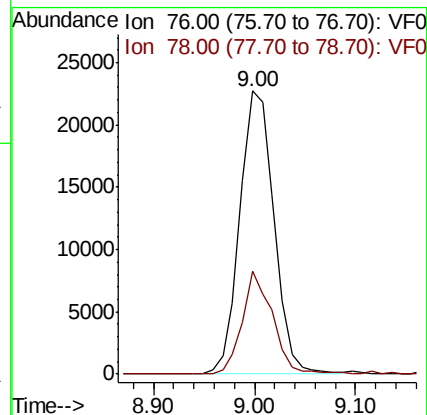
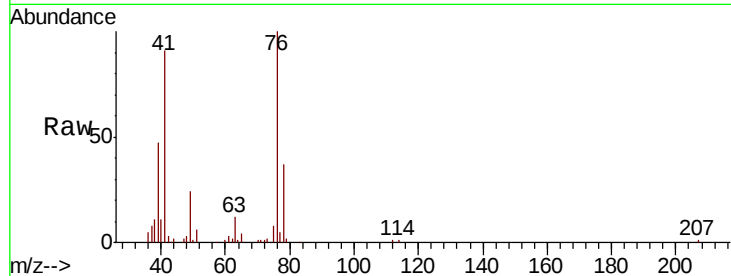
78 36.6 24.5 36.7

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 130.09 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060191.D

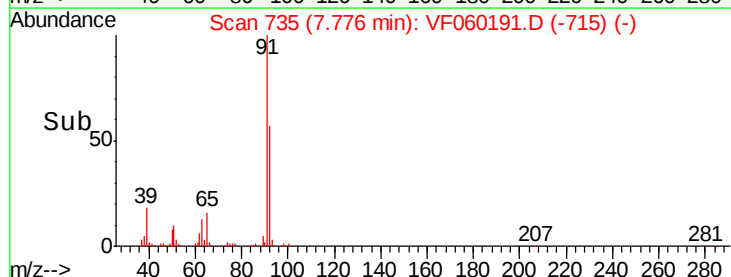
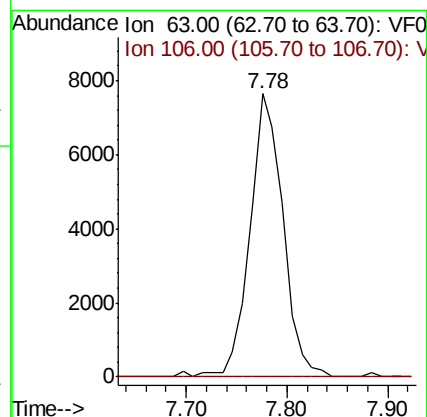
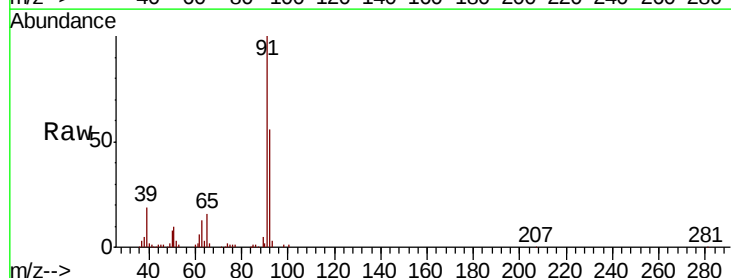
Acq: 29 Aug 2018 16:03

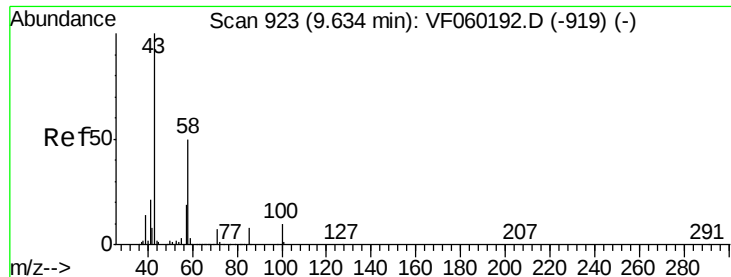
Tgt Ion: 63 Resp: 17386

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





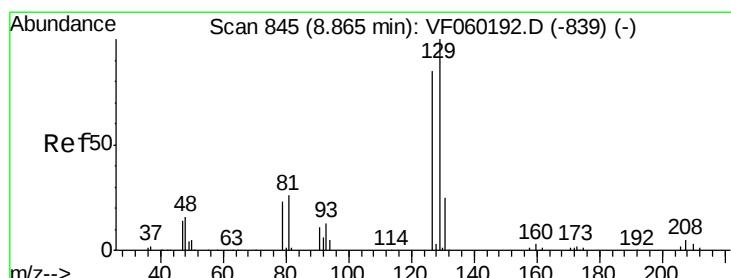
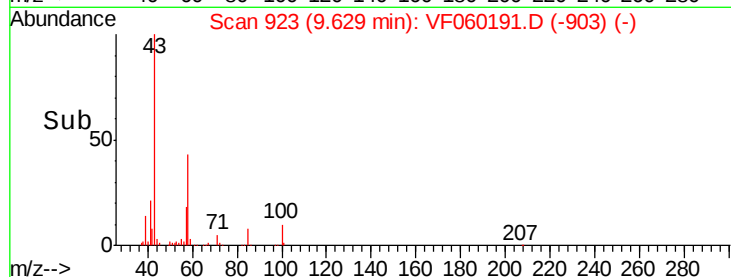
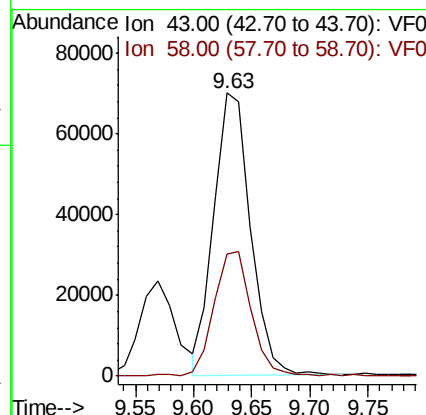
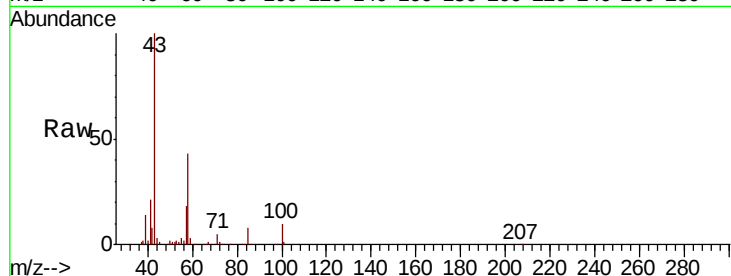
#59
2-Hexanone
Concen: 327.81 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.4	23.0	69.0

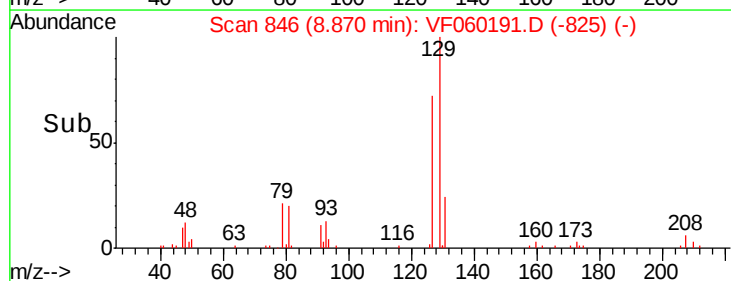
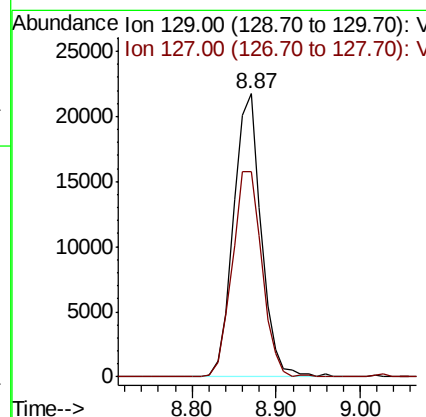
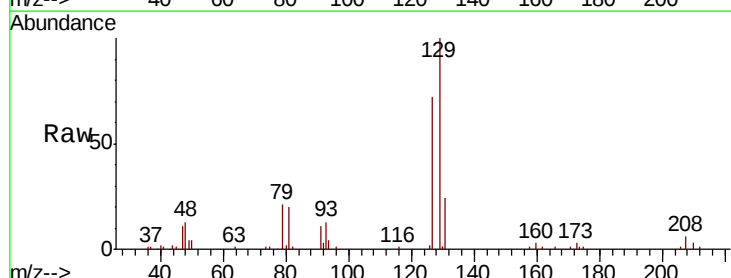
Manual Integrations
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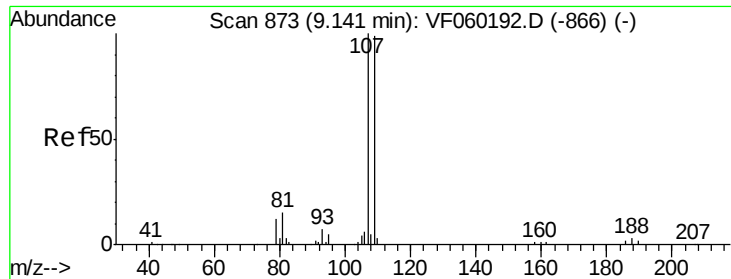
apatel
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#60
Dibromochloromethane
Concen: 43.69 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	71.6	42.5	127.5





#61

1,2-Dibromoethane

Concen: 47.75 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 36617

Ion Ratio Lower Upper

107 100

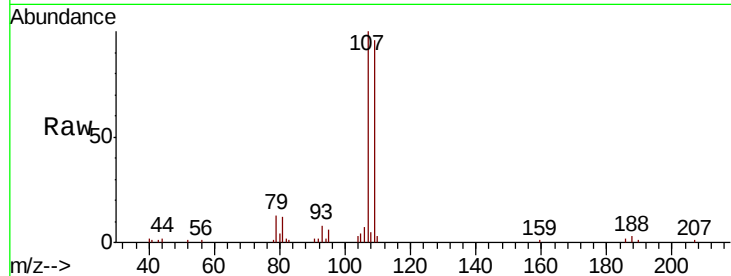
109 96.4 79.5 119.3

Manual Integrations

APPROVED

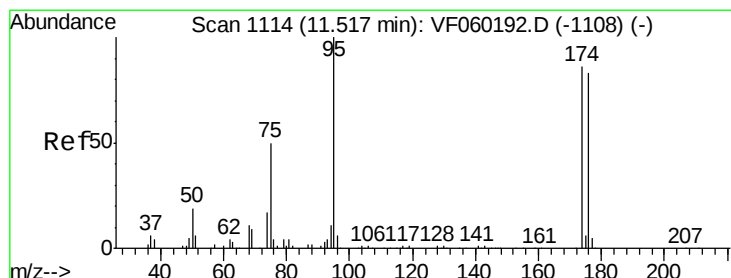
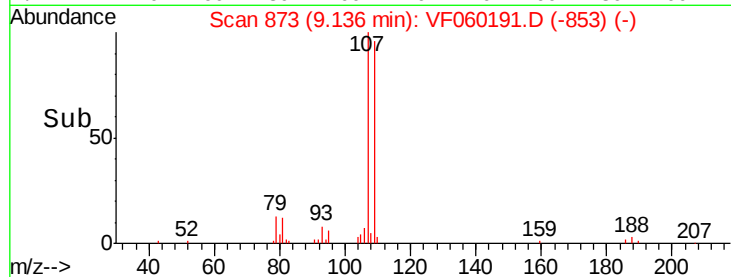
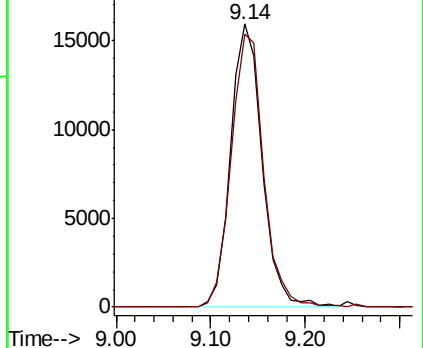
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 32.09 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

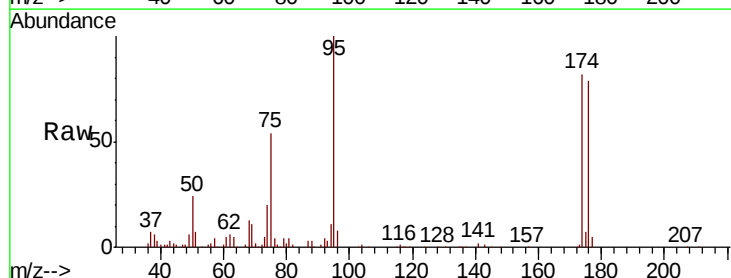
Tgt Ion: 95 Resp: 64560

Ion Ratio Lower Upper

95 100

174 81.9 0.0 171.2

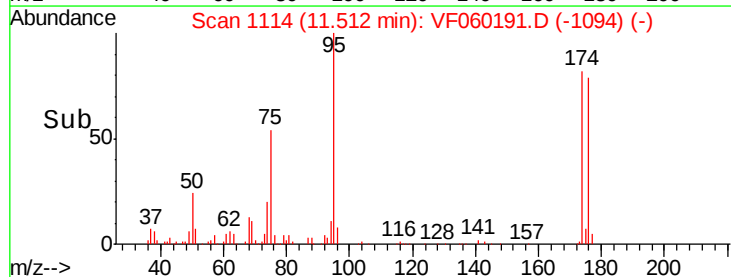
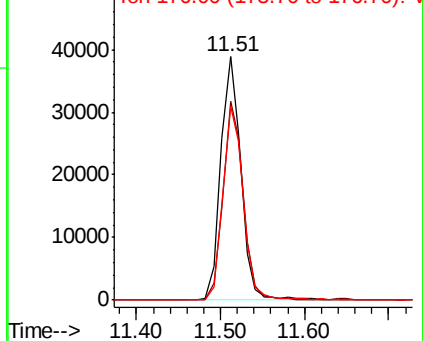
176 79.4 0.0 167.0

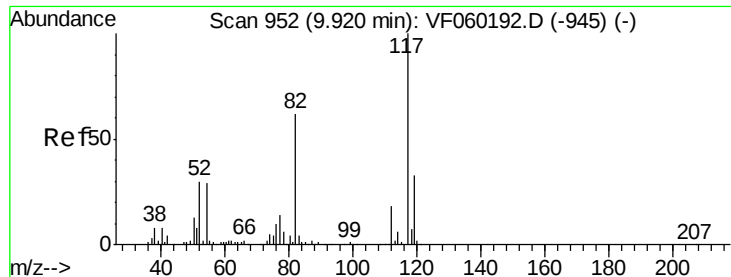


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





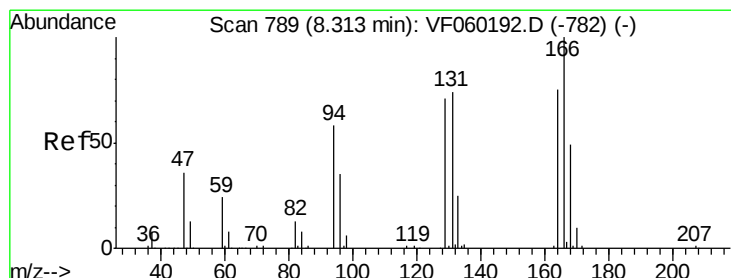
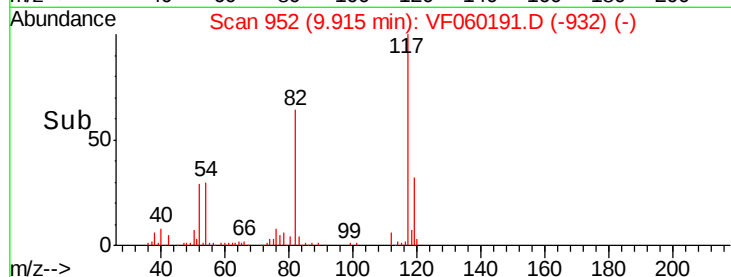
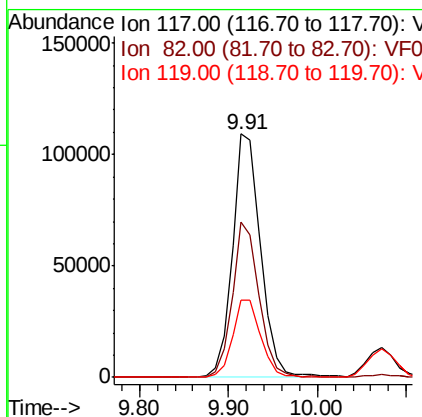
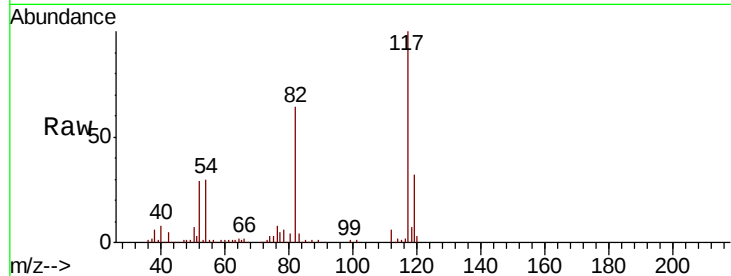
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:	117	Resp:	242351
Ion Ratio	Lower	Upper	
117	100		
82	63.7	49.9	74.9
119	31.6	26.5	39.7

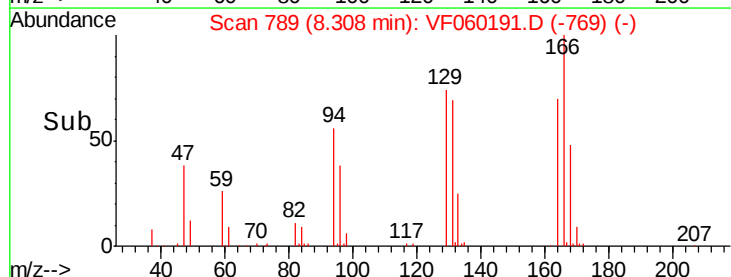
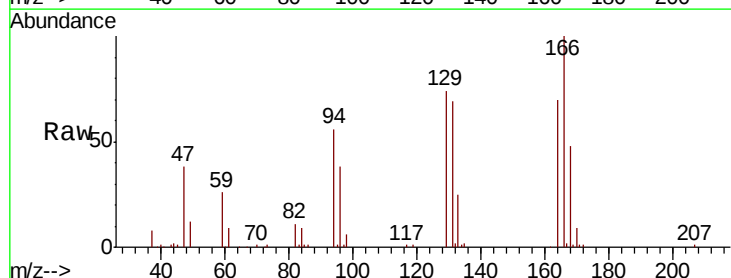
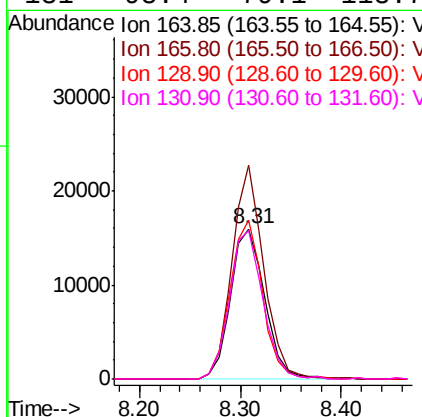
Manual Integrations
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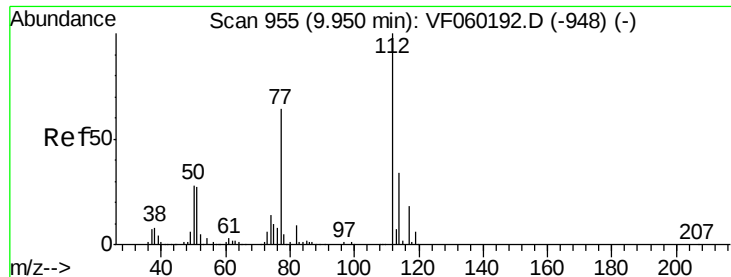
apatel
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#64
Tetrachloroethene
Concen: 13.51 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Tgt Ion:	164	Resp:	37617
Ion Ratio	Lower	Upper	
164	100		
166	142.1	106.6	160.0
129	105.8	75.4	113.0
131	98.4	79.1	118.7





#65

Chlorobenzene

Concen: 21.77 ug/l

RT: 9.94 min Scan# 955

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 106333

Ion Ratio Lower Upper

112 100

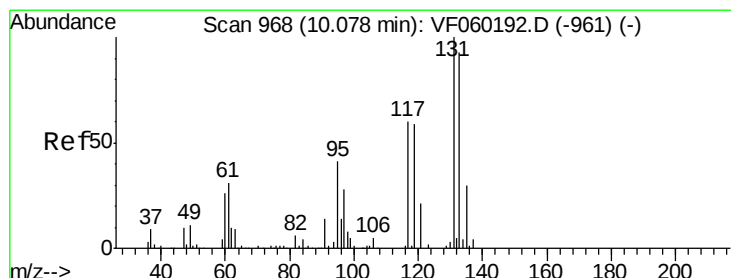
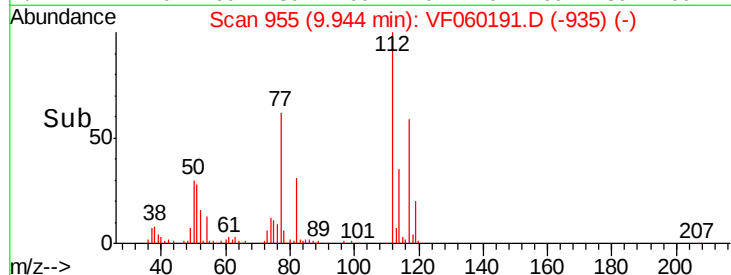
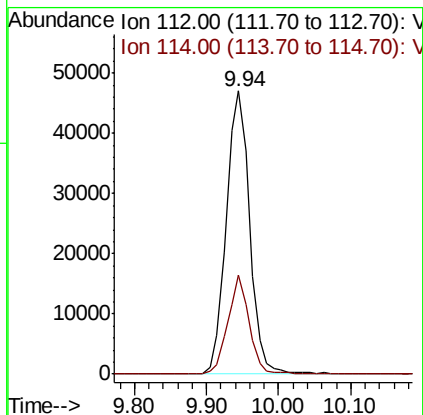
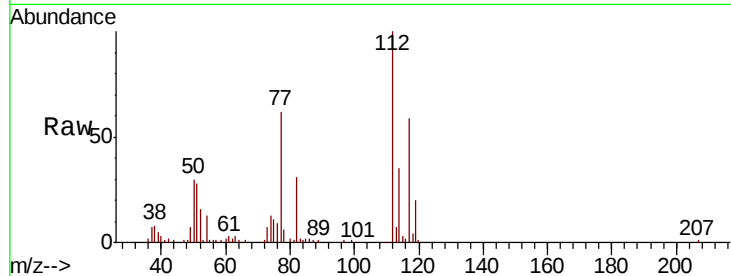
114 35.0 26.8 40.2

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 25.44 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

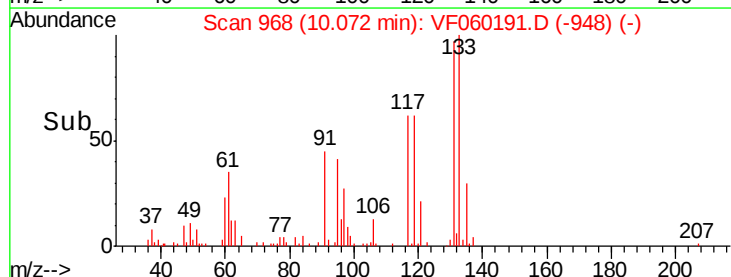
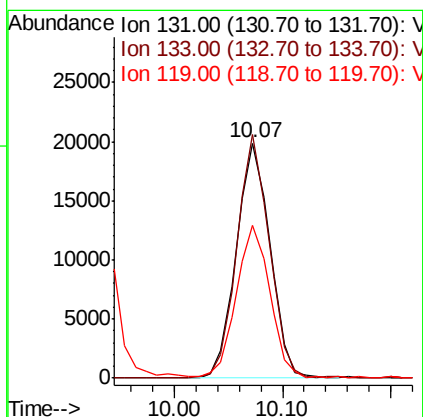
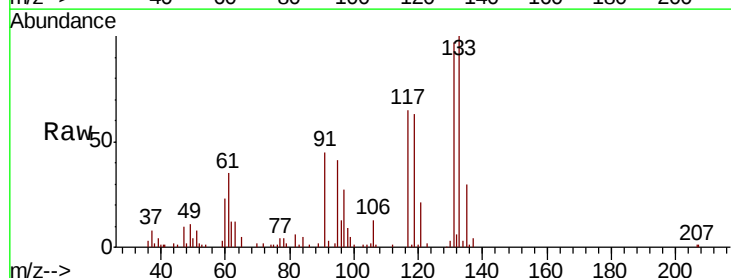
Tgt Ion:131 Resp: 43175

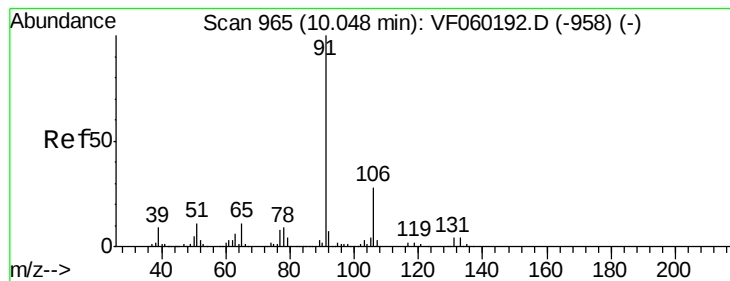
Ion Ratio Lower Upper

131 100

133 103.6 46.6 139.7

119 64.9 29.9 89.7





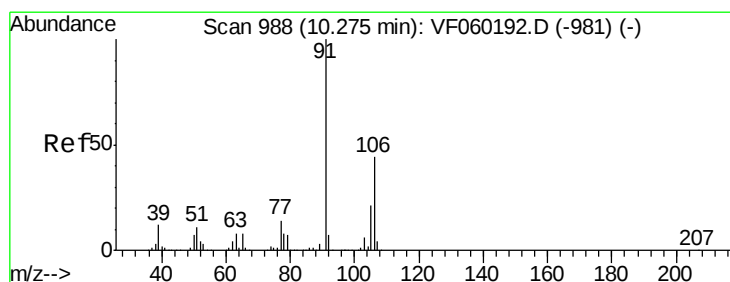
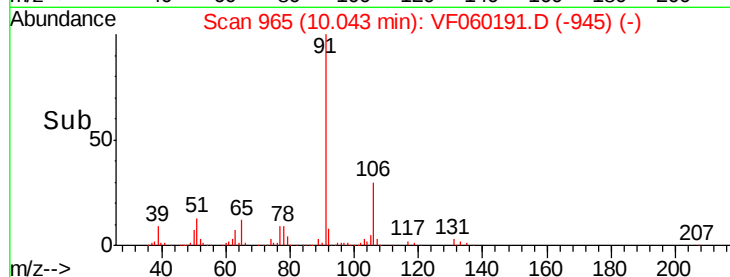
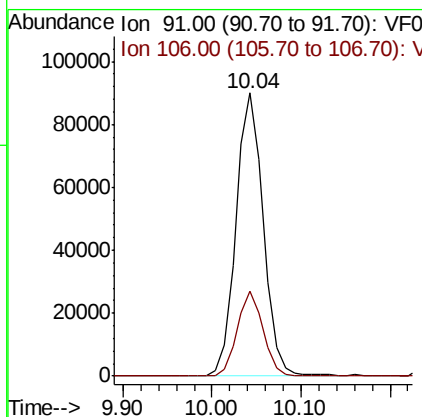
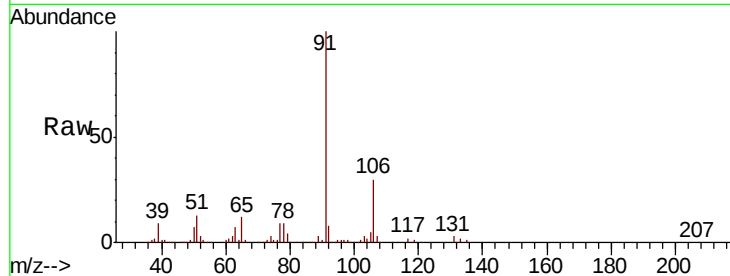
#67
Ethyl Benzene
Concen: 18.18 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	91	Resp	192174
Ion Ratio	100	Lower	Upper
106	30.0	22.0	33.0

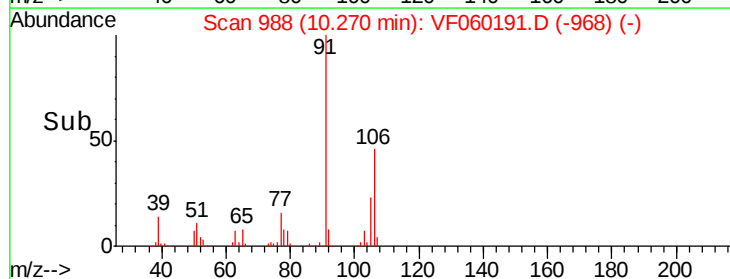
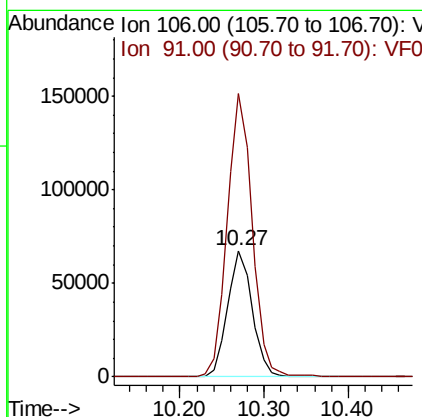
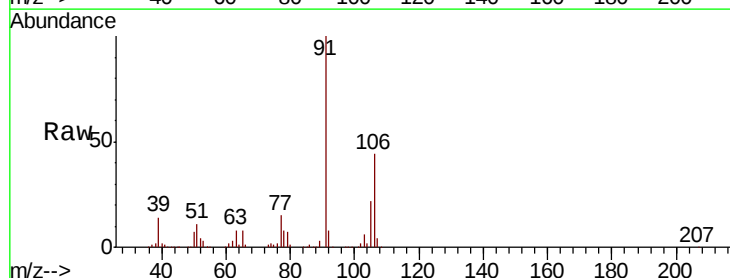
Manual Integrations
APPROVED

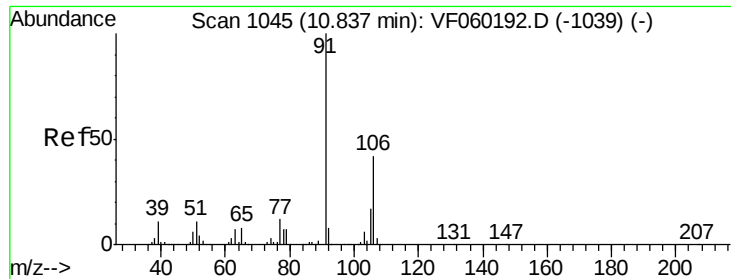
apatel
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#68
m/p-Xylenes
Concen: 39.20 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.01 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Tgt Ion	106	Resp	138434
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	224.8	183.4	275.0





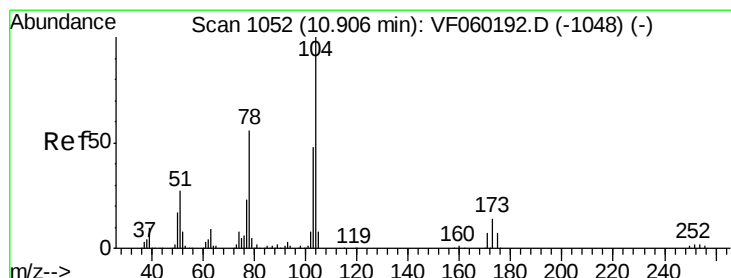
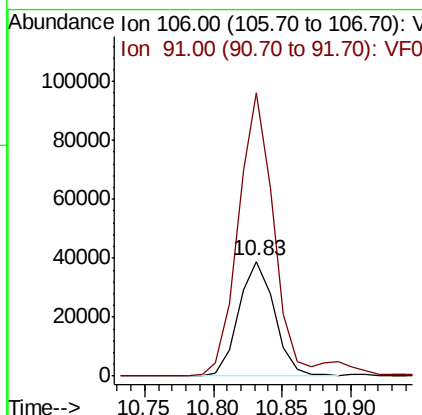
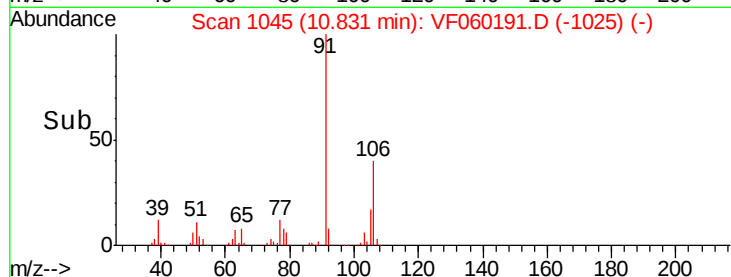
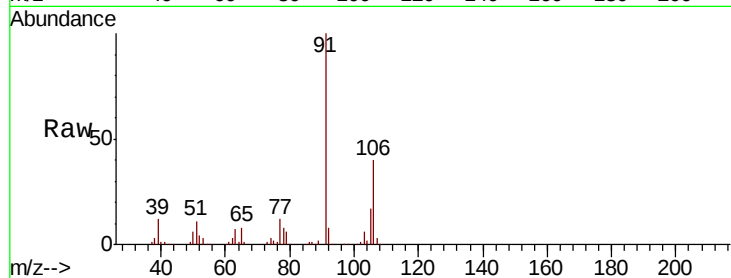
#69
o-Xylene
Concen: 21.87 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Instrument :
MSVOA_F
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	247.4	120.2	360.6

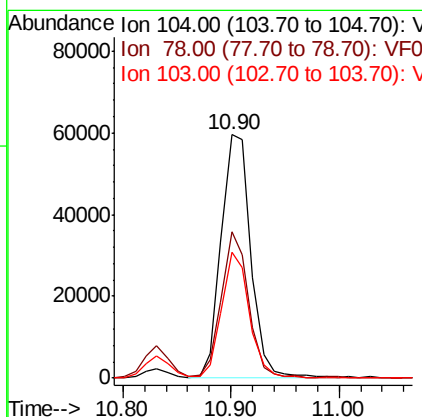
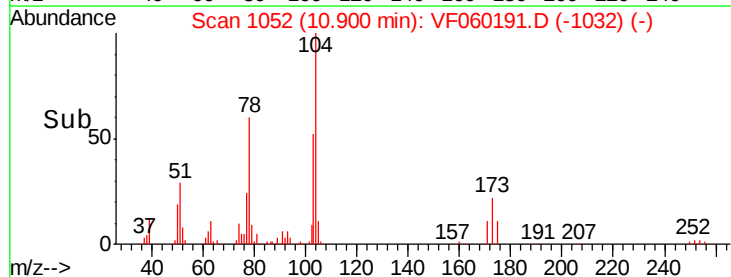
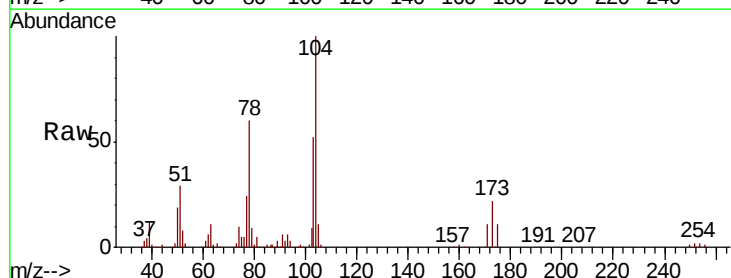
Manual Integrations
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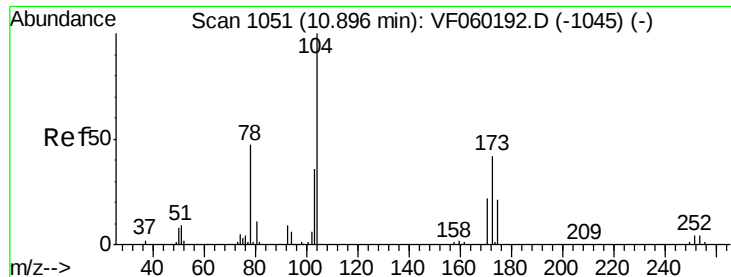
apatel
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#70
Styrene
Concen: 27.26 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	60.3	45.4	68.0
103	51.9	38.9	58.3





#71

Bromoform

Concen: 46.70 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

ClientSampled :

VSTDIC020

Tot Ion:173 Resp: 33534

Ion Ratio Lower Upper

173 100

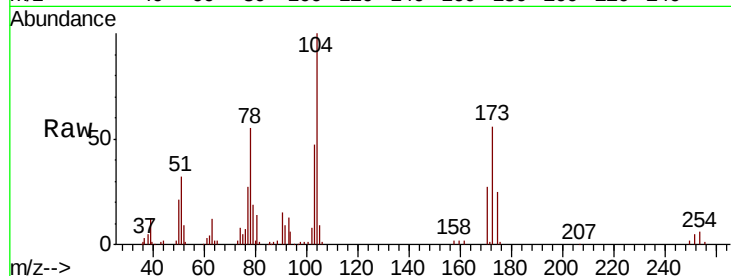
175 44.2 24.8 74.3

254 0.0 0.0 0.0

Manual Integrations
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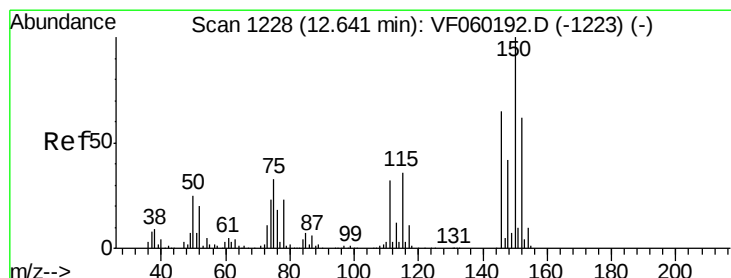
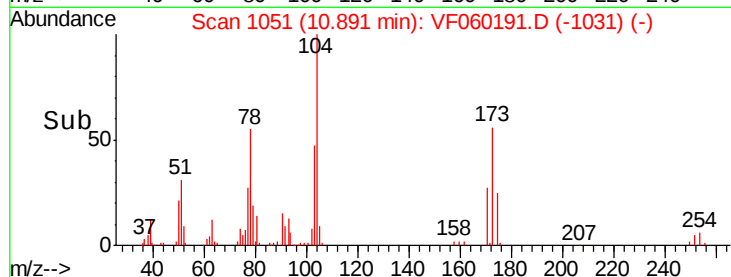
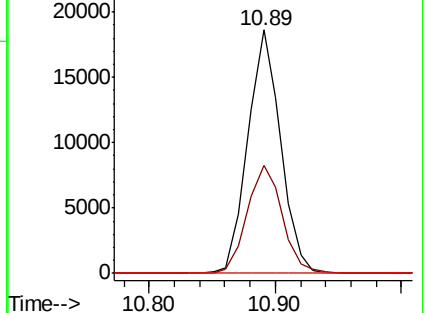
8/30/2018 3:04:34 PM



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: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

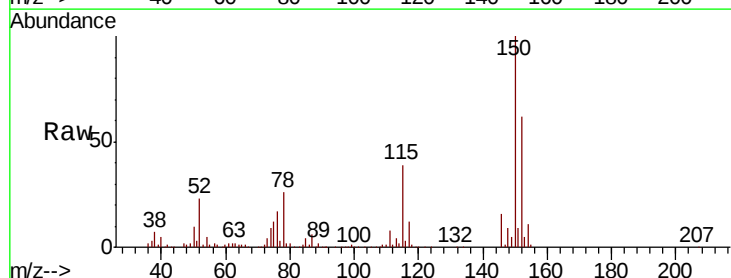
Tgt Ion:152 Resp: 156686

Ion Ratio Lower Upper

152 100

115 61.6 28.9 86.8

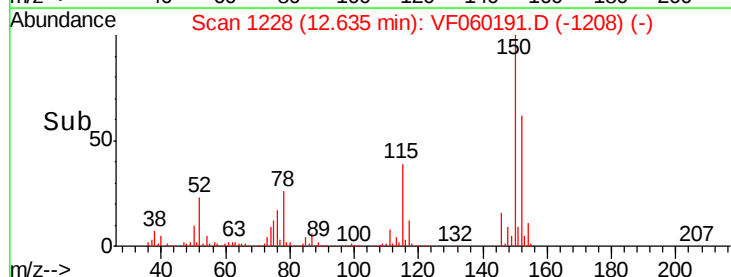
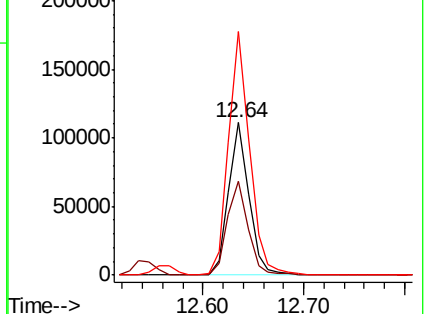
150 160.0 0.0 323.2

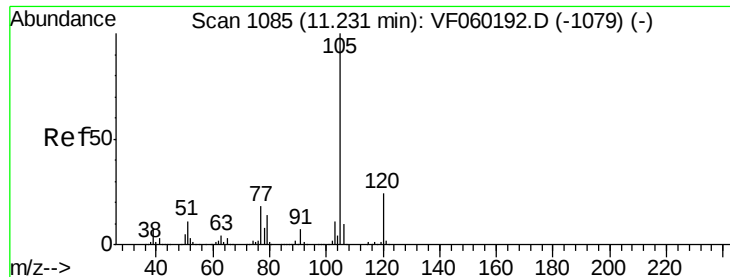


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 15.17 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 240098

Ion Ratio Lower Upper

105 100

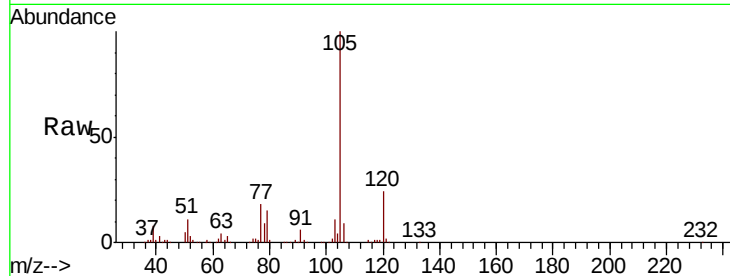
120 23.6 12.3 36.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

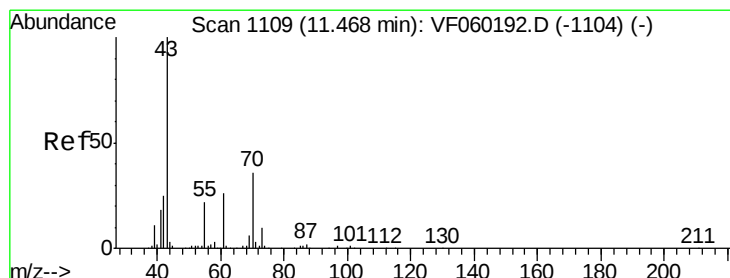
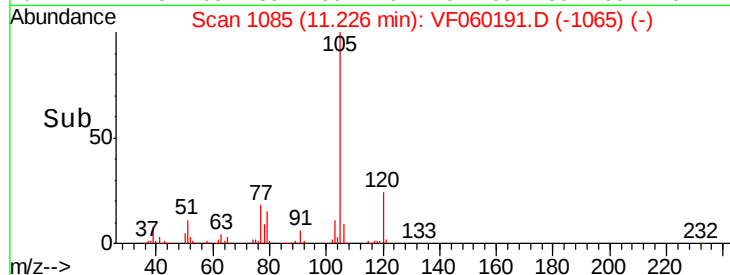
150000

100000

50000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 41.45 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Tgt Ion: 43 Resp: 67718

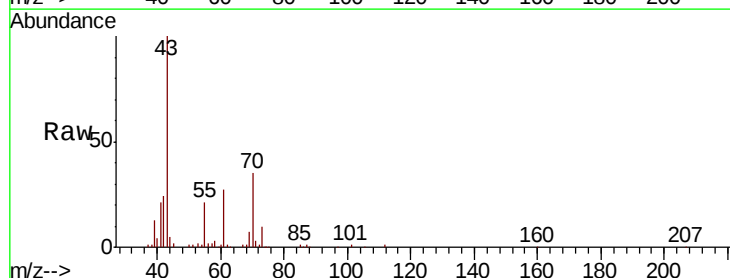
Ion Ratio Lower Upper

43 100

70 34.8 28.6 43.0

55 20.9 17.4 26.2

61 27.2 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

60000

50000

40000

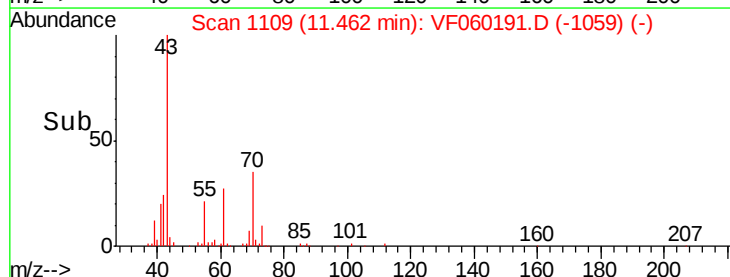
30000

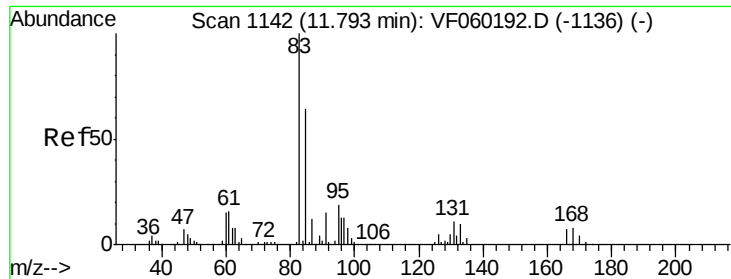
20000

10000

0

Time--> 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 35.79 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

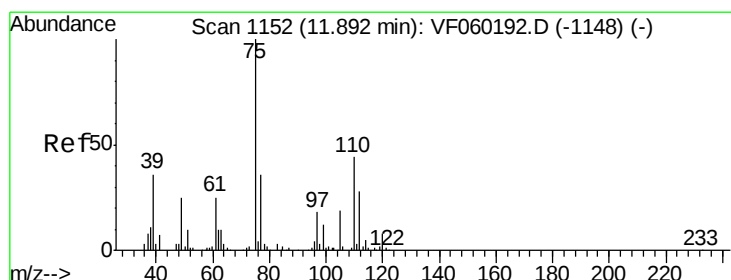
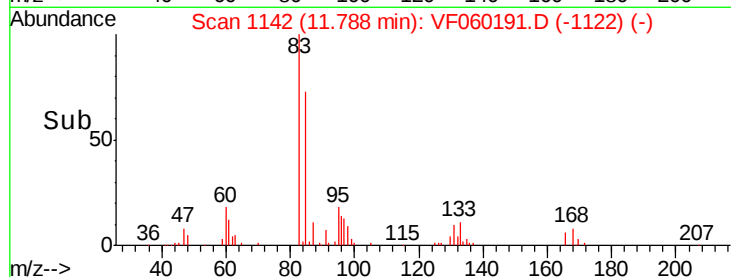
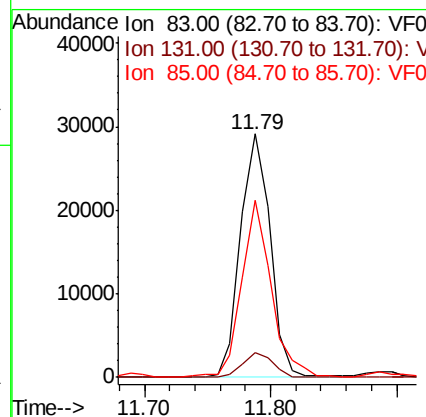
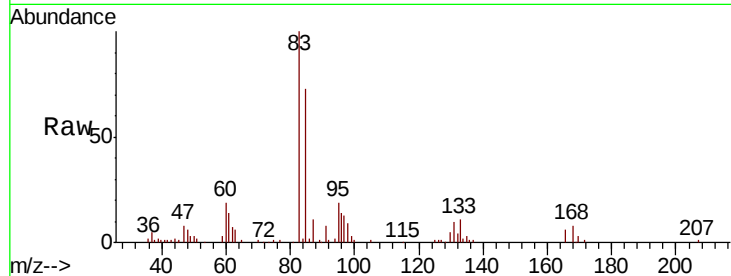
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	47639
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.5	16.5
85	73.0	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 34.79 ug/l

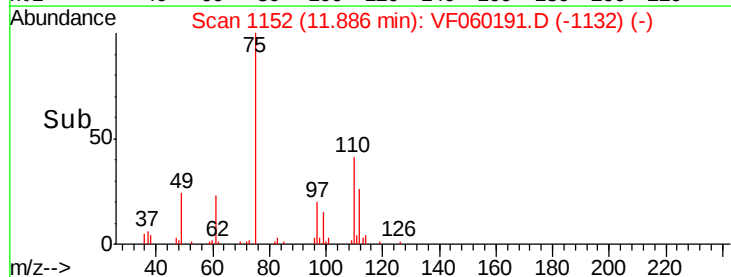
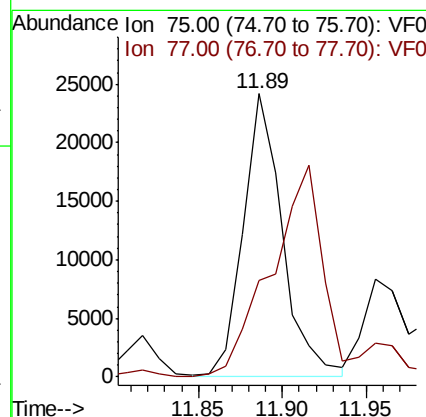
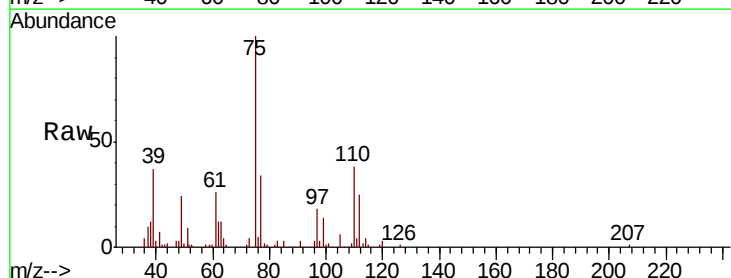
RT: 11.89 min Scan# 1152

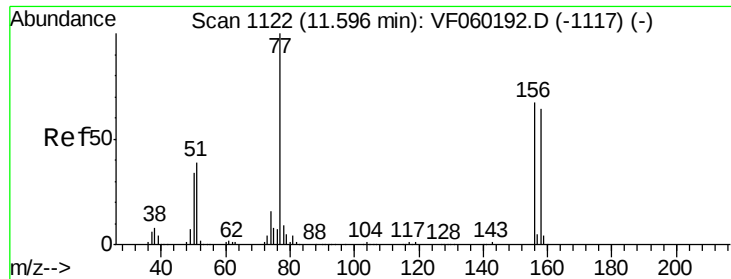
Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Tgt Ion:	75	Resp:	39217
Ion Ratio	Lower	Upper	
75	100		
77	34.1	17.9	53.8





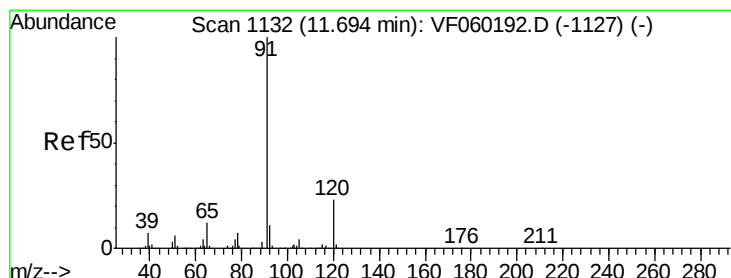
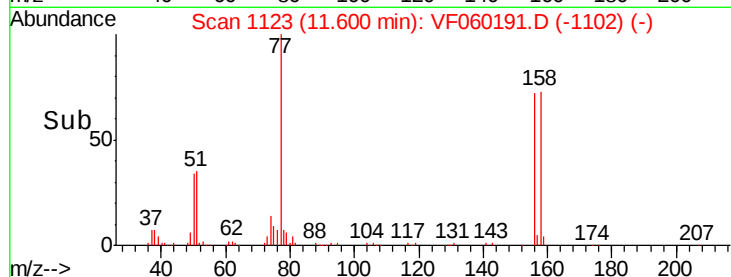
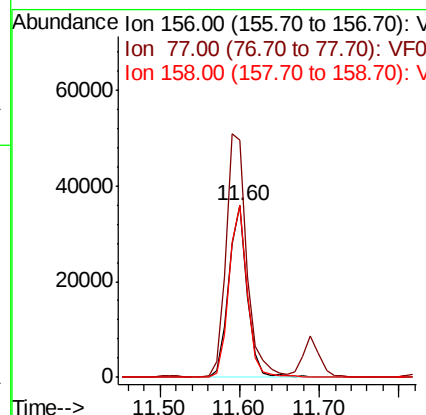
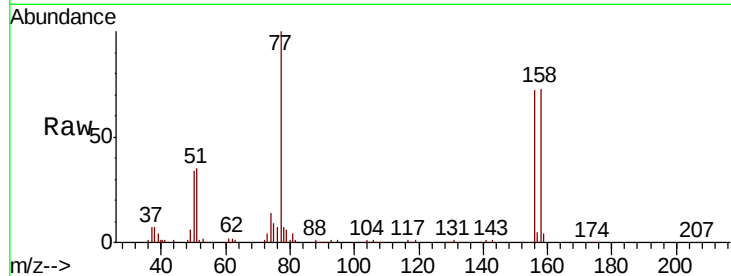
#77
Bromobenzene
Concen: 23.37 ug/l
RT: 11.60 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	138.1	74.5	223.5	
158	100.4	47.3	141.8	

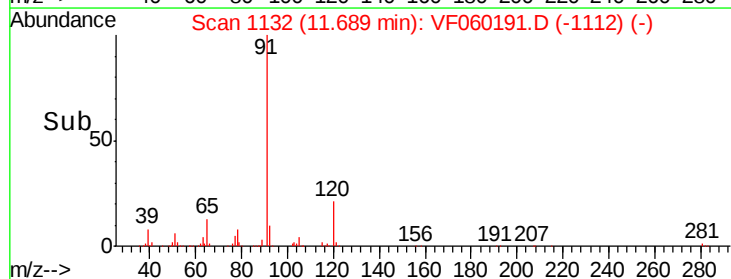
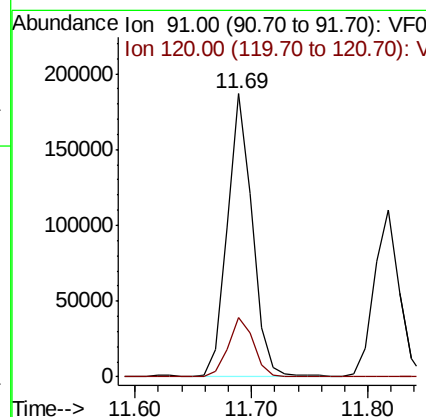
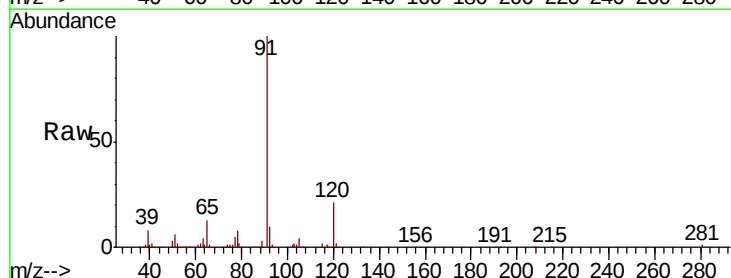
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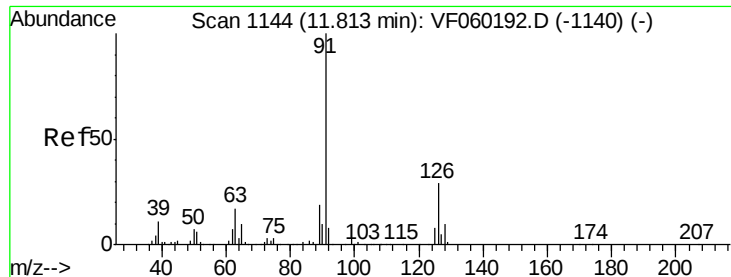
apatel
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#78
n-propylbenzene
Concen: 14.51 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. -0.01 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.9	11.3	33.9	





#79

2-Chlorotoluene

Concen: 17.69 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 163029

Ion Ratio Lower Upper

91 100

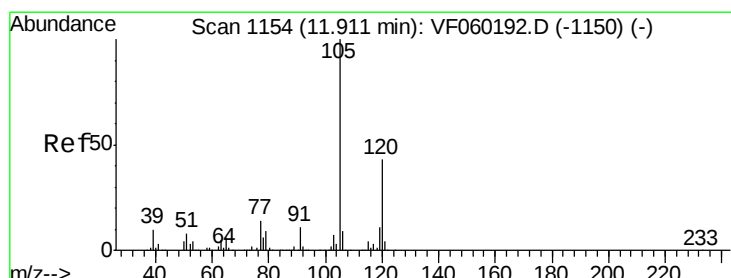
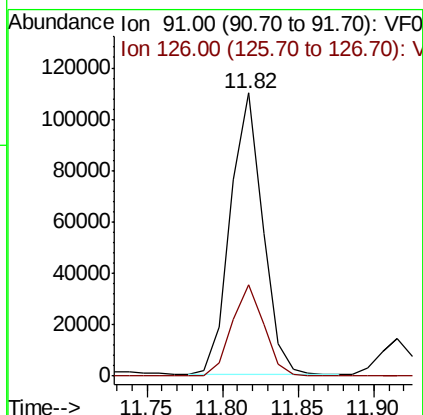
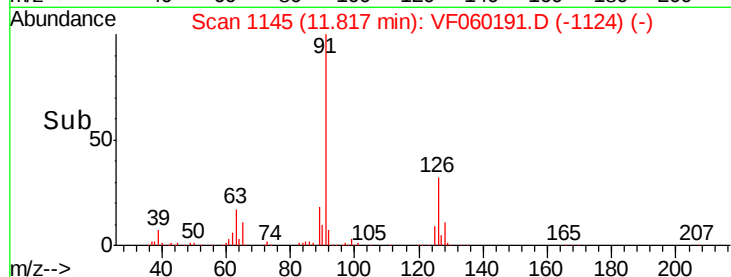
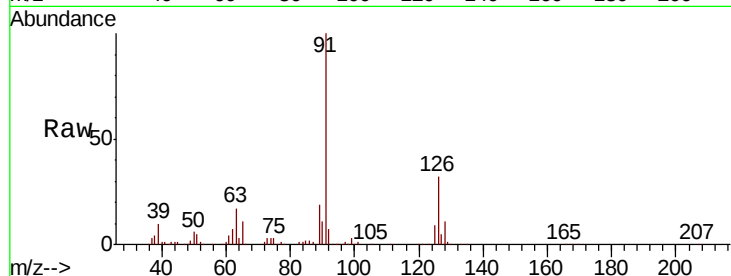
126 32.1 14.7 44.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 15.81 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF060191.D

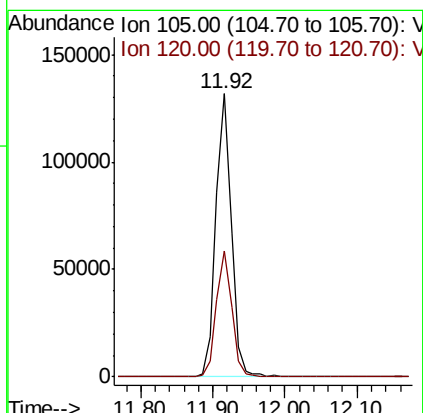
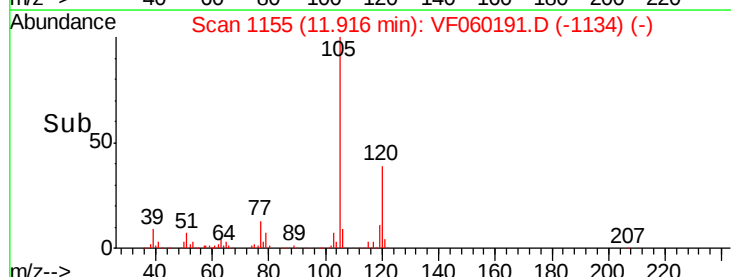
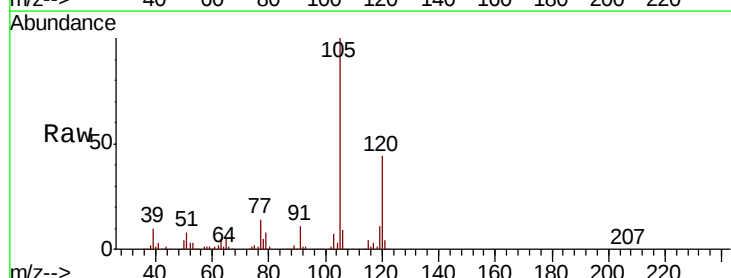
Acq: 29 Aug 2018 16:03

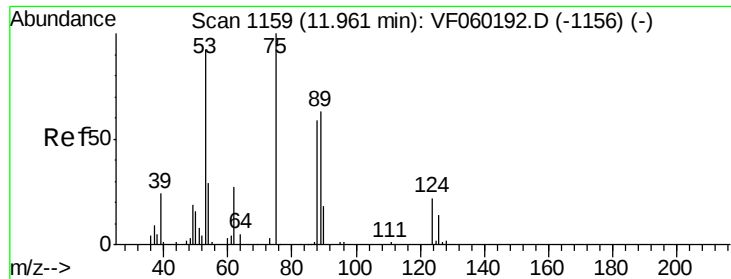
Tgt Ion: 105 Resp: 193207

Ion Ratio Lower Upper

105 100

120 44.3 21.5 64.5





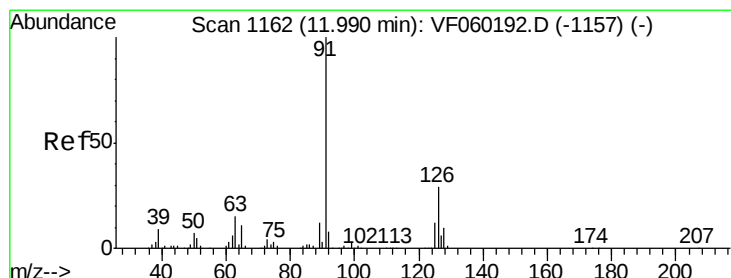
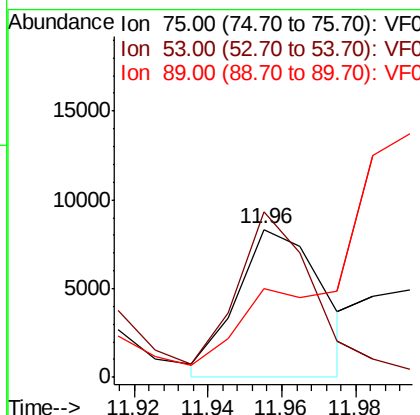
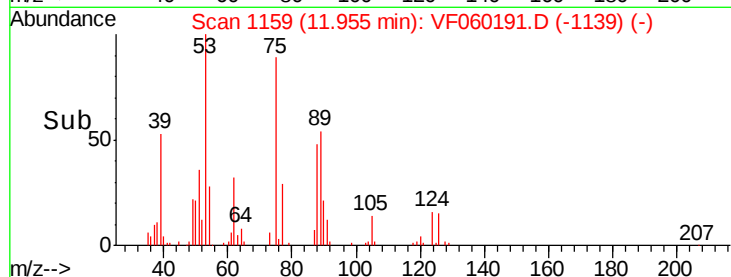
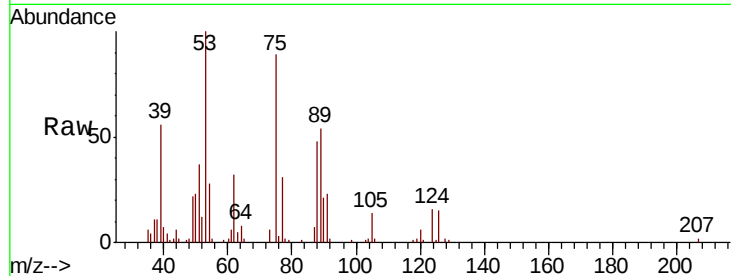
#81
trans-1,4-Dichloro-2-butene
Concen: 40.47 ug/l m
RT: 11.96 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.1	78.0	117.0
89	60.5	51.8	77.6

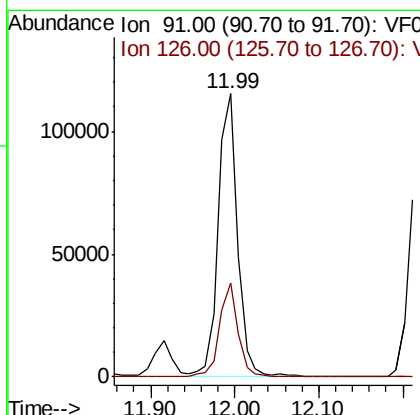
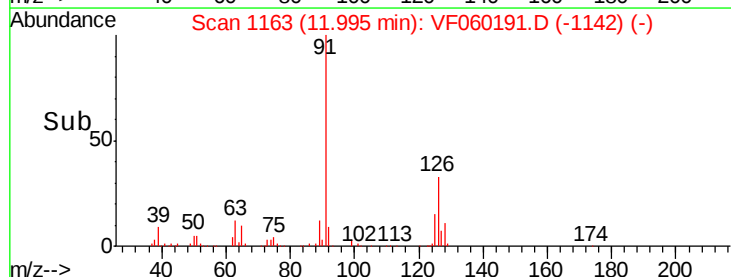
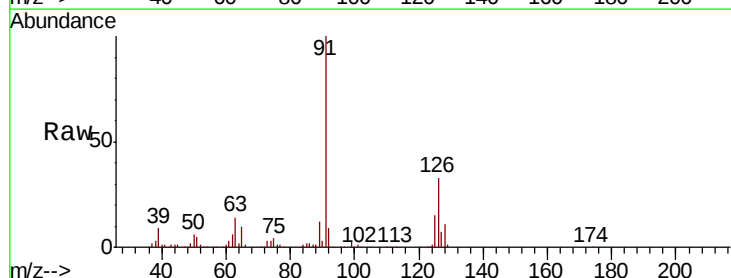
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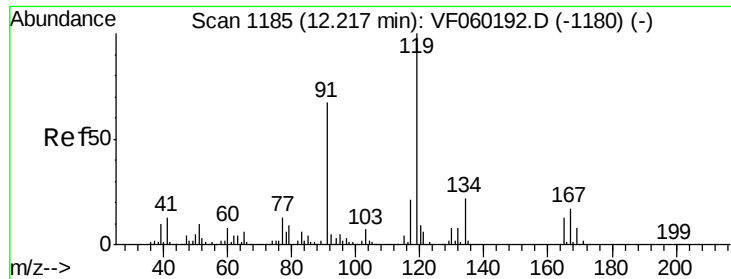
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#82
4-Chlorotoluene
Concen: 19.99 ug/l
RT: 11.99 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	14.6	44.0





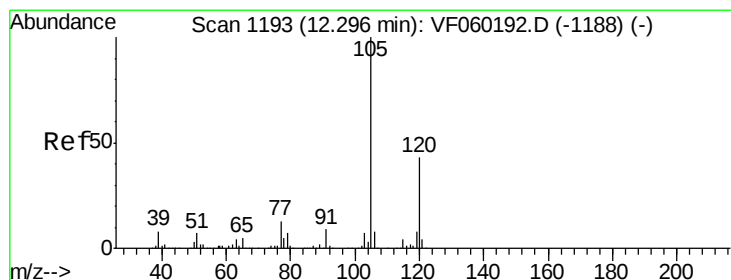
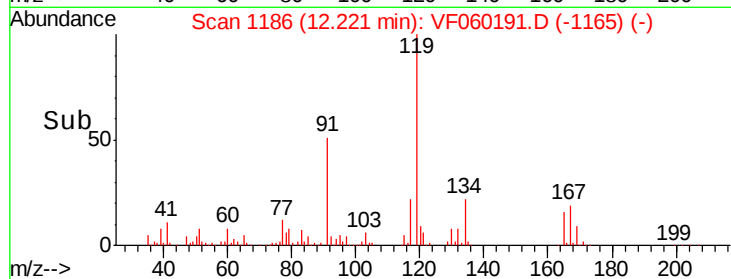
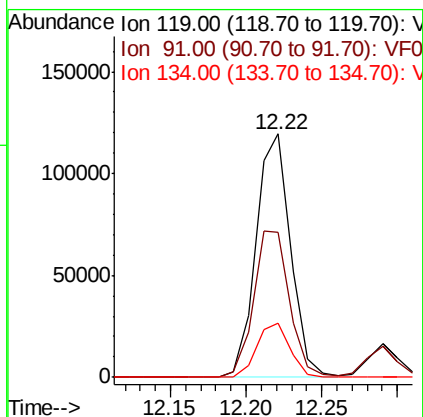
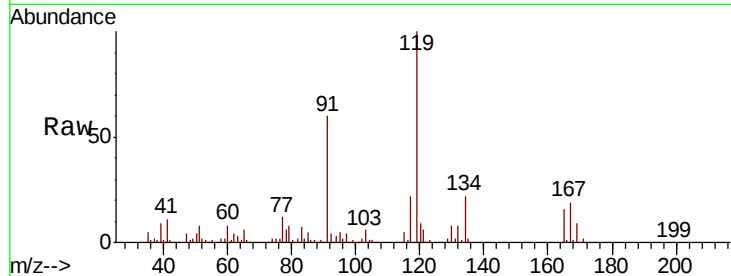
#83
tert-Butylbenzene
Concen: 14.88 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	190783		
91	59.8		33.8	101.4
134	22.3		11.1	33.3

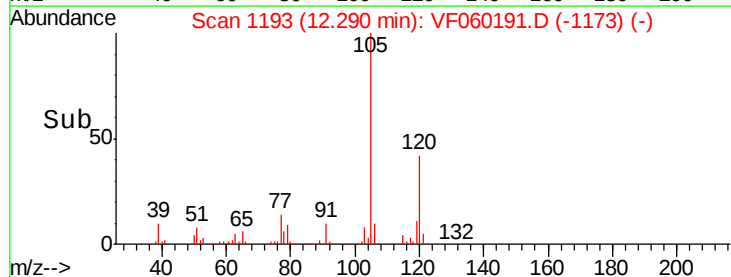
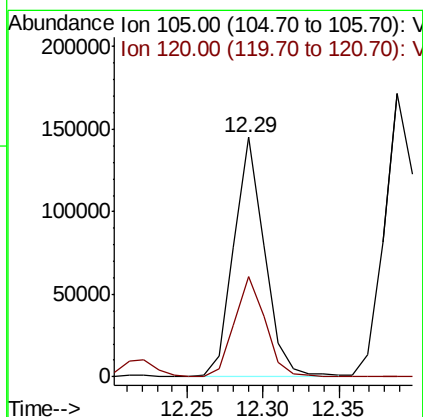
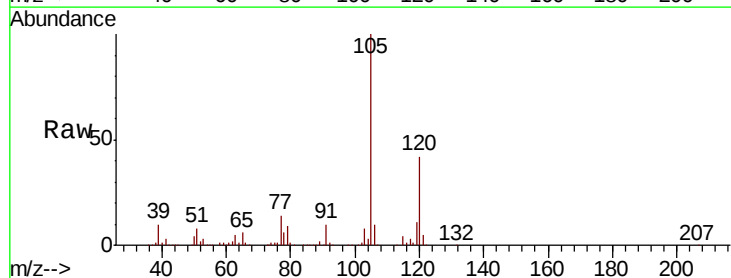
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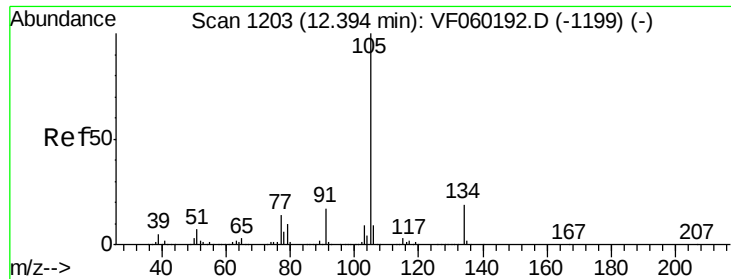
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#84
1,2,4-Trimethylbenzene
Concen: 19.23 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	204848		
120	41.6		21.6	64.6





#85

sec-Butylbenzene

Concen: 13.51 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 253192

Ion Ratio Lower Upper

105 100

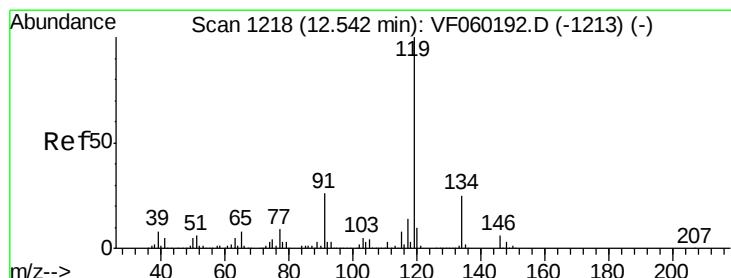
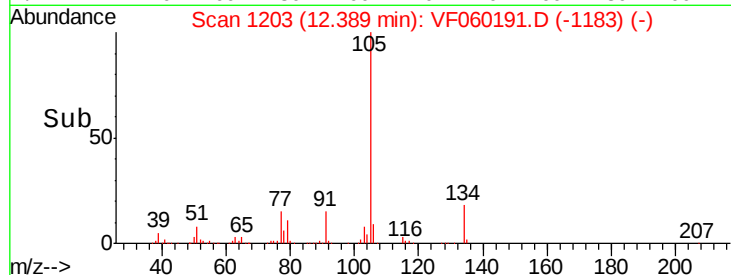
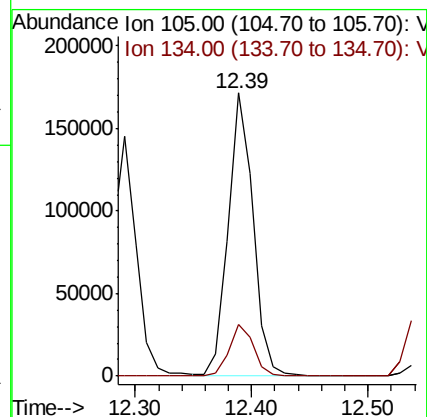
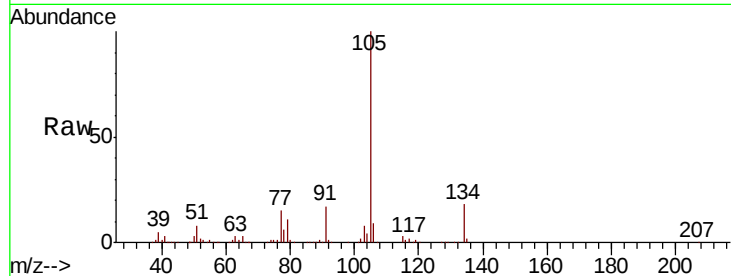
134 18.3 9.4 28.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 16.12 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

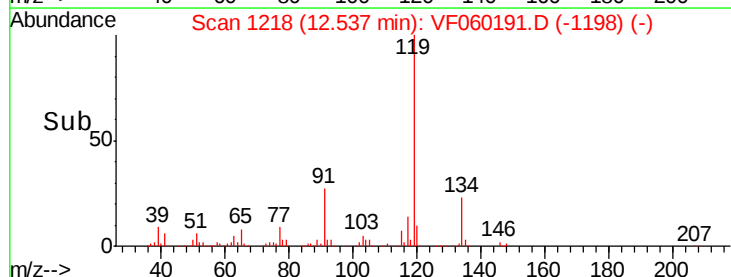
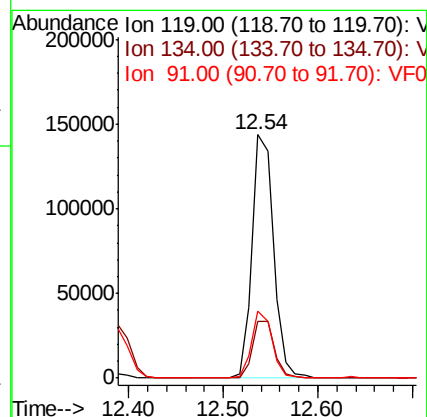
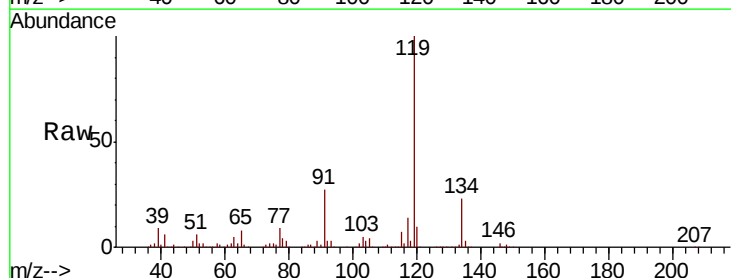
Tgt Ion:119 Resp: 226847

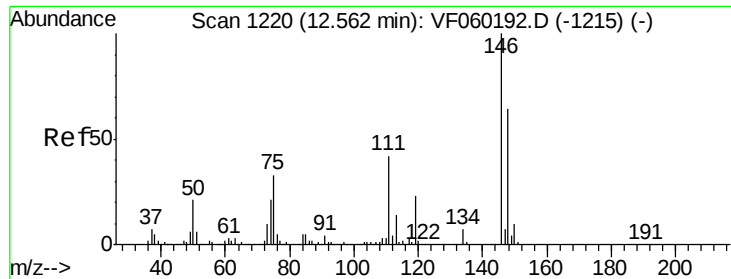
Ion Ratio Lower Upper

119 100

134 23.4 12.3 36.9

91 27.4 13.3 39.8





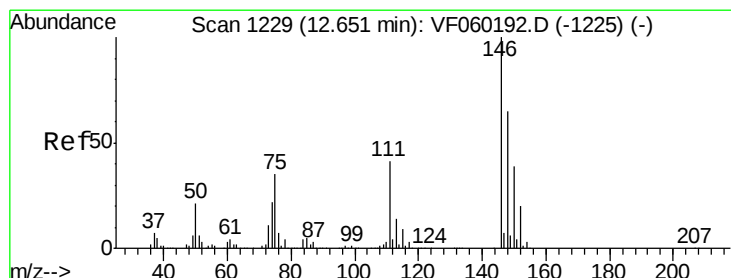
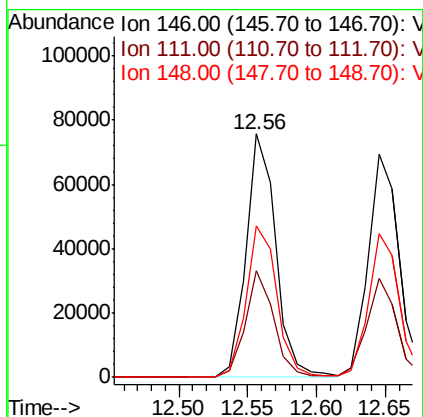
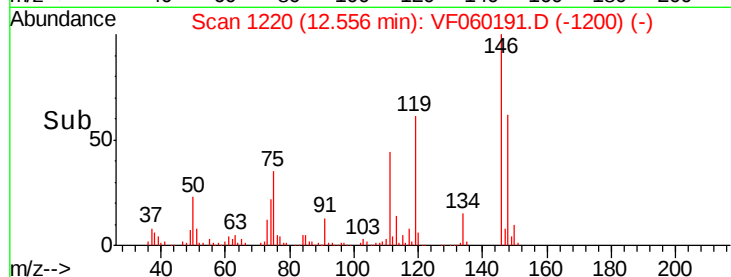
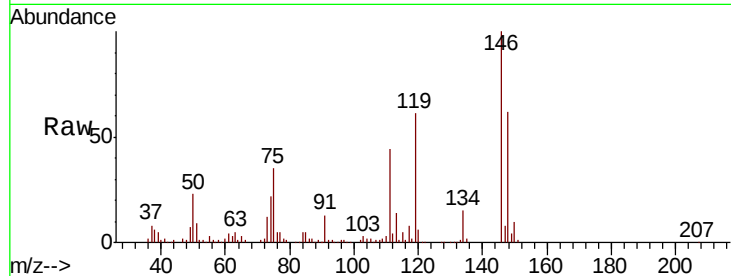
#87
 1,3-Dichlorobenzene
 Concen: 21.76 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: VF060191.D
 Acq: 29 Aug 2018 16:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.8	62.4
148	62.2	32.0	96.2

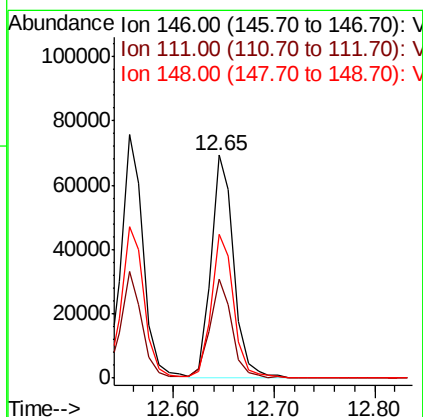
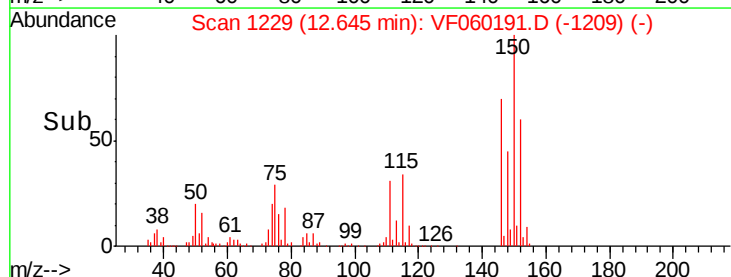
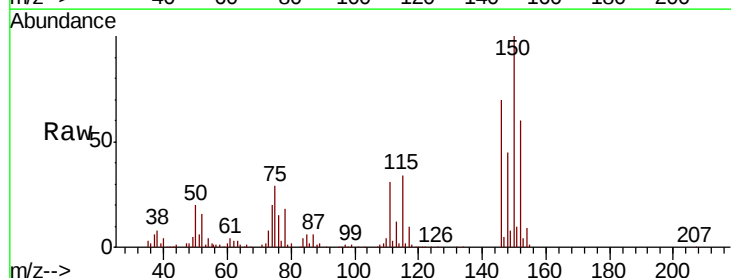
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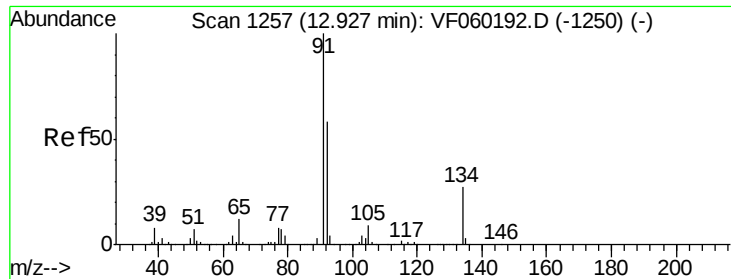
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#88
 1,4-Dichlorobenzene
 Concen: 22.70 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VF060191.D
 Acq: 29 Aug 2018 16:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	20.5	61.5
148	64.6	32.4	97.0





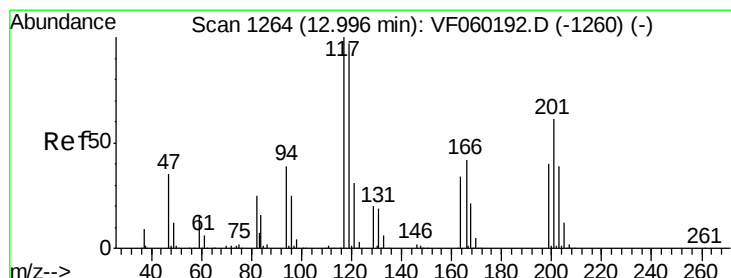
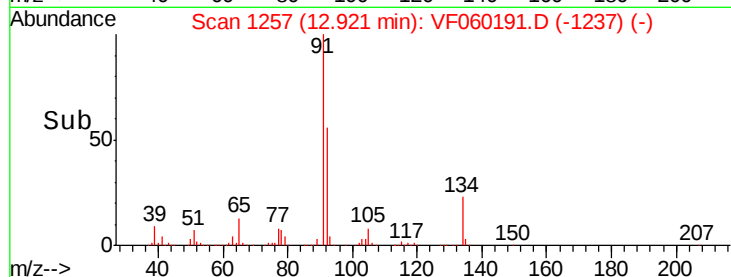
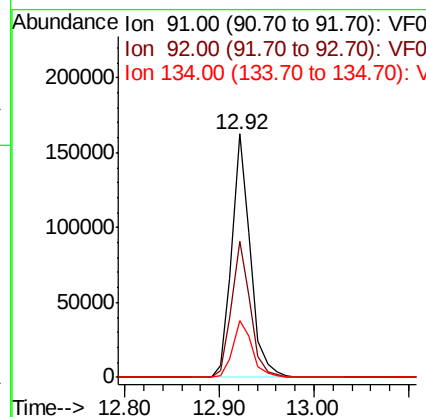
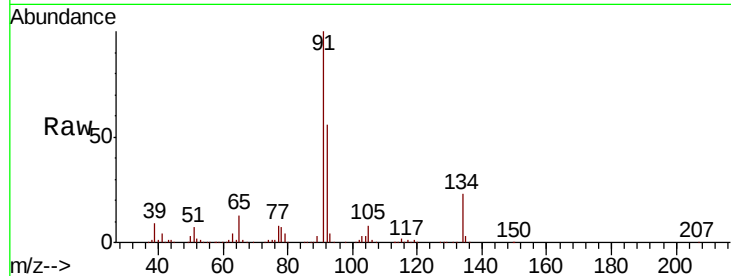
#89
n-Butylbenzene
Concen: 18.06 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.01 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.6	29.3	87.8
134	23.1	13.5	40.4

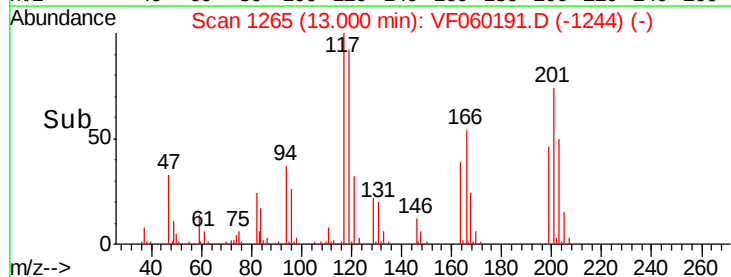
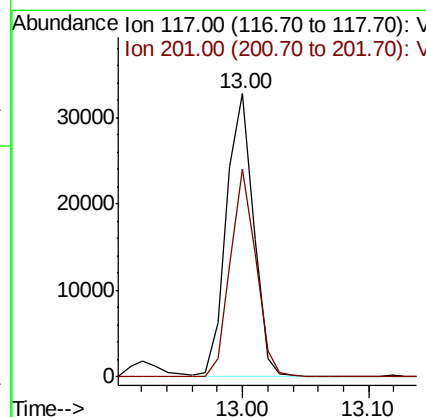
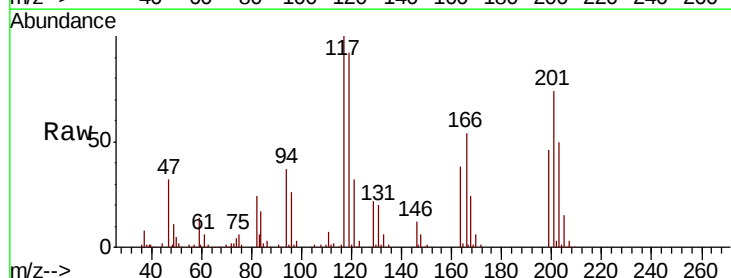
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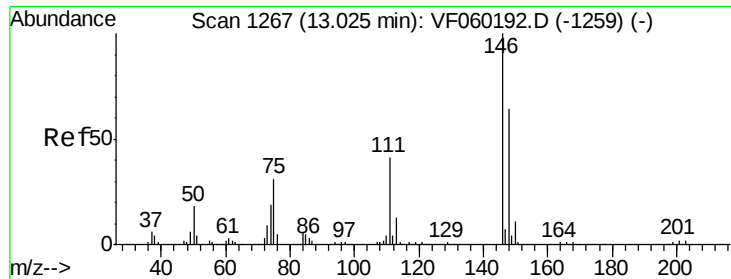
apatel
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#90
Hexachloroethane
Concen: 16.07 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF060191.D
Acq: 29 Aug 2018 16:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.2	31.3	93.9





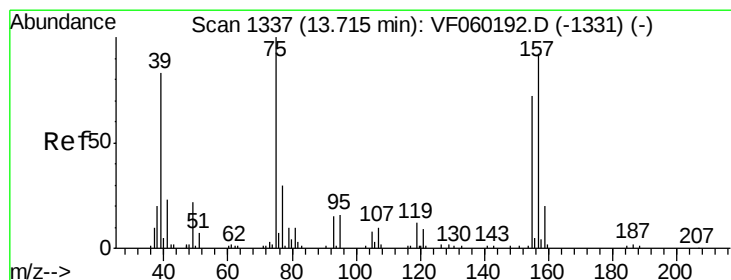
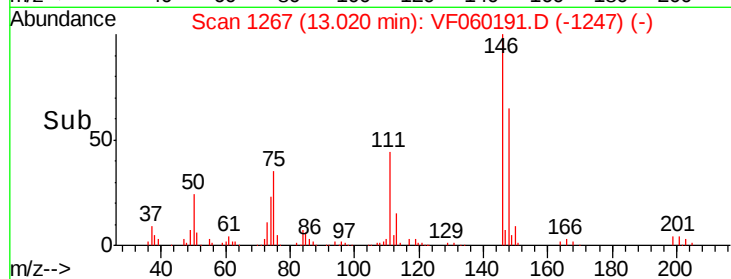
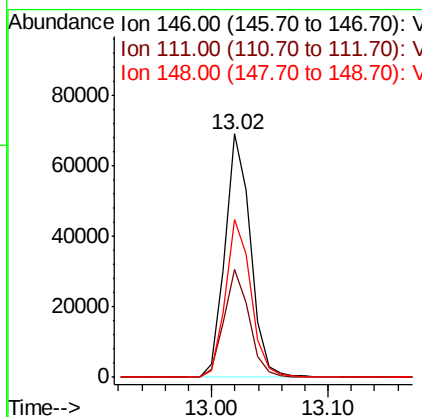
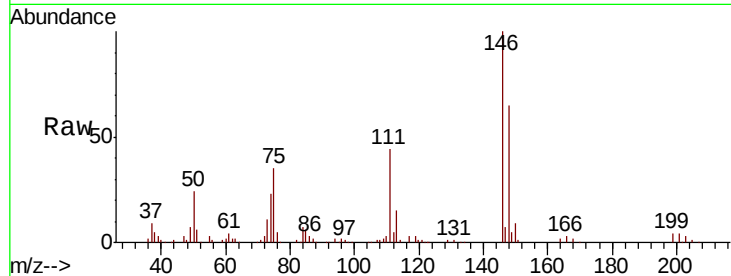
#91
 1,2-Dichlorobenzene
 Concen: 24.75 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VF060191.D
 Acq: 29 Aug 2018 16:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	20.7	62.1
148	64.7	31.9	95.7

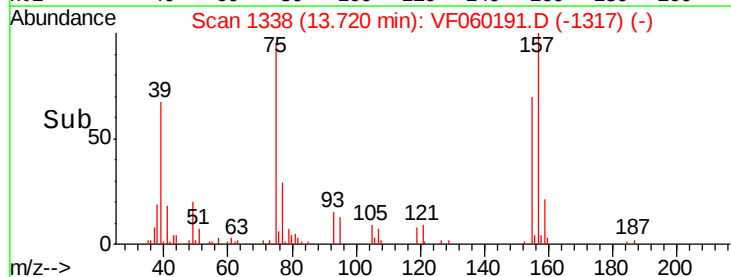
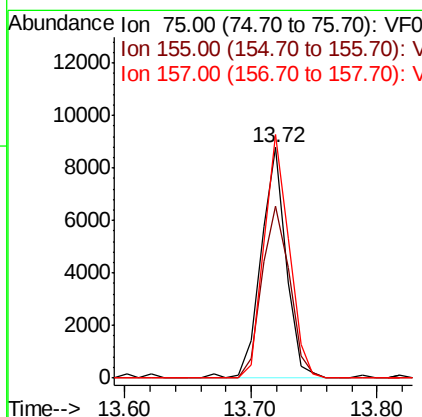
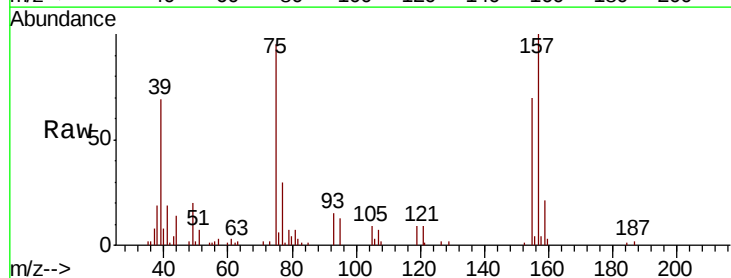
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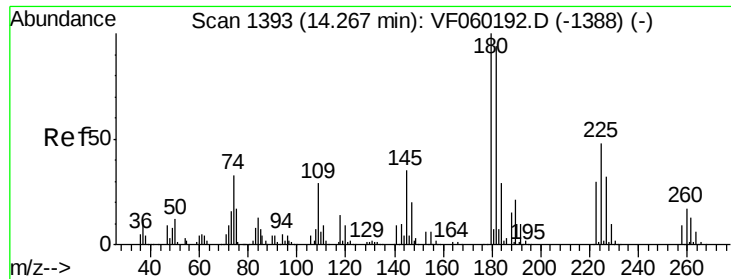
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.84 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF060191.D
 Acq: 29 Aug 2018 16:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.3	35.9	107.7
157	105.6	46.1	138.3





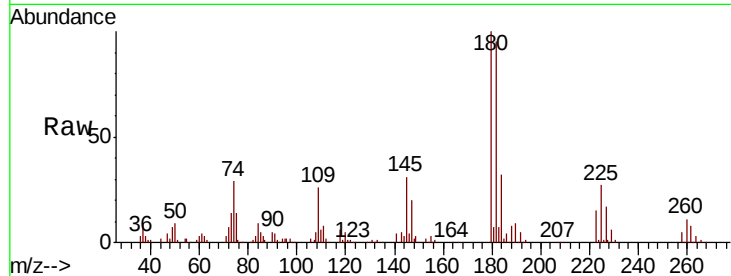
#93
 1,2,4-Trichlorobenzene
 Concen: 37.53 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF060191.D
 Acq: 29 Aug 2018 16:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	80094		
182	94.5		47.1	141.4
145	30.8		17.3	51.7

Manual Integrations
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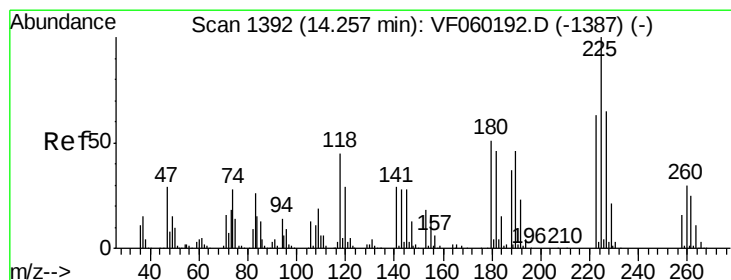
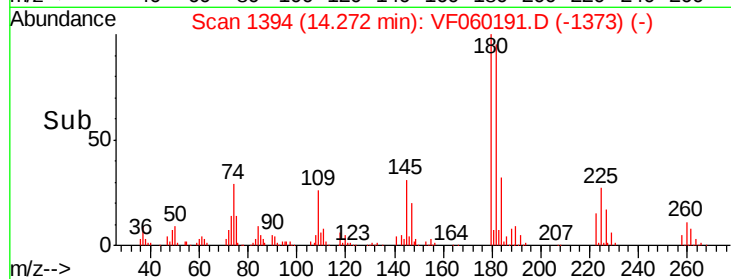
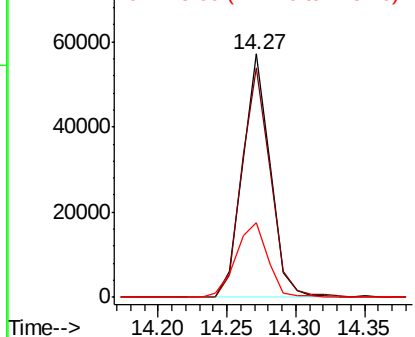


Abundance

Ion 180.00 (179.70 to 180.70): V

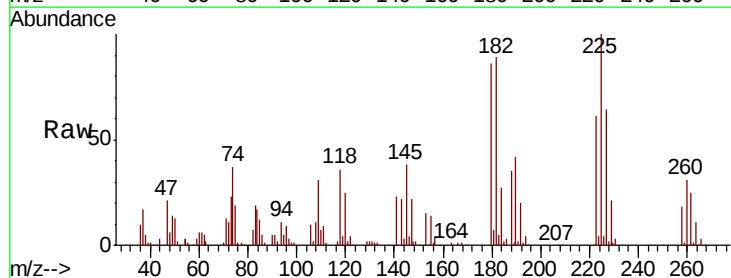
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 15.39 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF060191.D
 Acq: 29 Aug 2018 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52724		
223	61.0		31.6	95.0
227	64.1		32.3	96.9

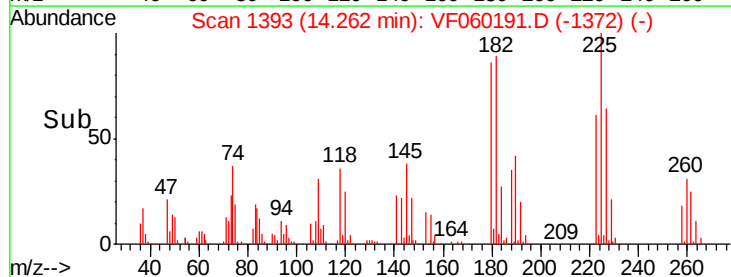
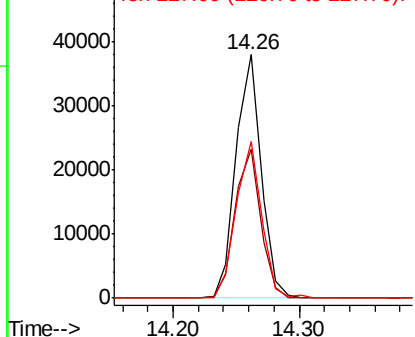


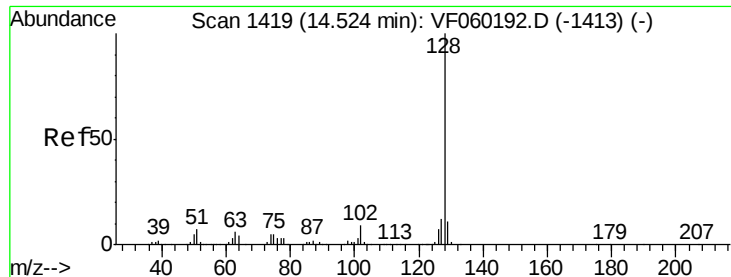
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 53.71 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Instrument :

MSVOA_F

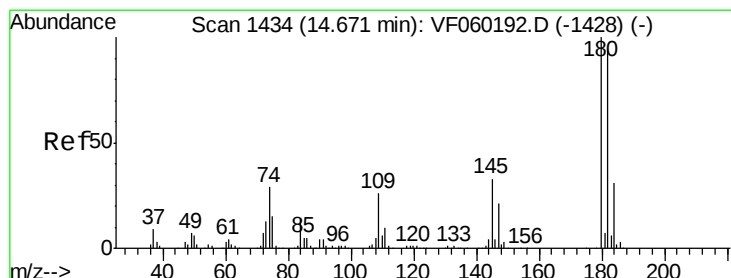
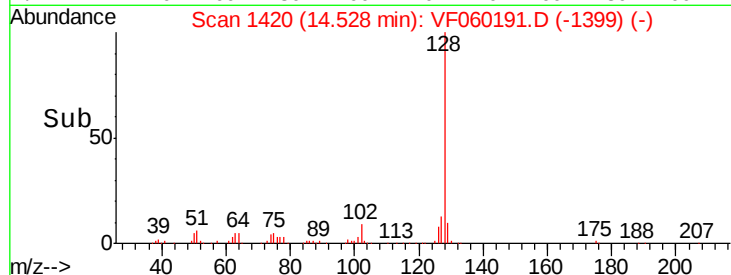
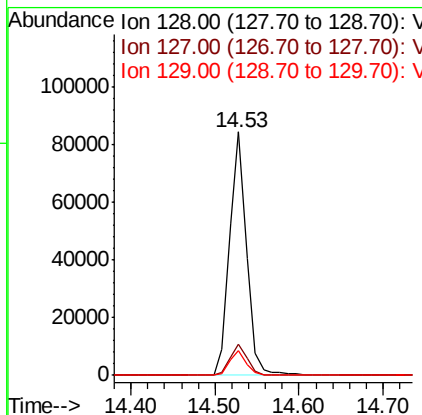
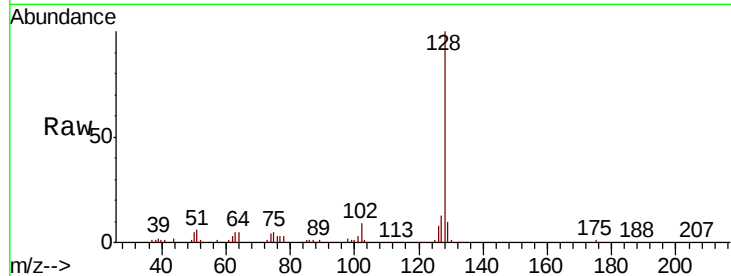
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	118586
Ion Ratio	Lower	Upper	
128	100		
127	12.8	9.8	14.8
129	10.2	8.6	13.0

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#96

1,2,3-Trichlorobenzene

Concen: 43.35 ug/l

RT: 14.68 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VF060191.D

Acq: 29 Aug 2018 16:03

Tgt Ion:	180	Resp:	79555
Ion Ratio	Lower	Upper	
180	100		
182	92.9	46.9	140.6
145	32.5	16.4	49.4

