

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070718\
 Data File : VF059470.D
 Acq On : 7 Jul 2018 2:05
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 7/9/2018 9:34:09 AM

Quant Time: Jul 07 05:50:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:43:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	228510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	326324	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	321136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	231437	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	19935	6.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.60%	
35) Dibromofluoromethane	4.26	113	16984	6.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.50%	
50) Toluene-d8	7.68	98	35171	5.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.38%	
62) 4-Bromofluorobenzene	11.48	95	21003	6.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	17626	7.66	ug/l	92
3) Chloromethane	1.07	50	8474	5.87	ug/l	94
4) Vinyl Chloride	1.13	62	8258	5.80	ug/l	93
5) Bromomethane	1.32	94	6608	6.79	ug/l	98
6) Chloroethane	1.41	64	4574	6.34	ug/l	97
7) Trichlorofluoromethane	1.48	101	16103m	5.50	ug/l	
8) Diethyl Ether	1.68	74	3468	4.84	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.88	101	10446	6.26	ug/l	90
10) Methyl Iodide	1.94	142	18633	6.16	ug/l #	84
11) Tert butyl alcohol	2.66	59	4389	22.32	ug/l	96
12) 1,1-Dichloroethene	1.83	96	8796	6.20	ug/l	88
13) Acrolein	2.07	56	3694m	31.64	ug/l	
14) Allyl chloride	2.17	41	15088	5.84	ug/l #	93
15) Acrylonitrile	3.05	53	9066	26.38	ug/l	92
16) Acetone	2.32	43	16297	20.92	ug/l #	93
17) Carbon Disulfide	1.84	76	21990	6.51	ug/l	95
18) Methyl Acetate	2.43	43	7242	4.70	ug/l	94
19) Methyl tert-butyl Ether	2.51	73	28384	5.51	ug/l	96
20) Methylene Chloride	2.26	84	13827m	6.17	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	9513	6.32	ug/l	90
22) Diisopropyl ether	2.90	45	30527	5.39	ug/l #	92
23) Vinyl Acetate	3.30	43	87346	24.41	ug/l	99
24) 1,1-Dichloroethane	2.98	63	21391	5.96	ug/l #	93
25) 2-Butanone	4.47	43	20320	21.65	ug/l #	91
26) 2,2-Dichloropropane	3.73	77	13129	5.47	ug/l	98
27) cis-1,2-Dichloroethene	3.61	96	10888	4.93	ug/l	86
28) Bromochloromethane	3.86	49	8676	5.58	ug/l	100
29) Tetrahydrofuran	4.22	42	9750	23.55	ug/l	95
30) Chloroform	4.00	83	30384	5.85	ug/l	93
31) Cyclohexane	3.84	56	12094	5.22	ug/l	98
32) 1,1,1-Trichloroethane	4.23	97	24387	6.38	ug/l	89
36) 1,1-Dichloropropene	4.43	75	17161	5.76	ug/l	92
37) Ethyl Acetate	4.26	43	10797	5.36	ug/l #	97
38) Carbon Tetrachloride	4.13	117	27832	7.26	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	13616	5.15	ug/l #	76
40) Benzene	4.78	78	35644	5.56	ug/l	94
41) Methacrylonitrile	4.89	41	4124	4.23	ug/l #	74
42) 1,2-Dichloroethane	5.09	62	27468	7.04	ug/l	95
43) Isopropyl Acetate	7.09	43	10789	4.56	ug/l #	93
44) Trichloroethene	5.64	130	12692	5.65	ug/l	67
45) 1,2-Dichloropropane	6.38	63	10576	5.80	ug/l	98
46) Dibromomethane	6.22	93	9262	5.76	ug/l #	86
47) Bromodichloromethane	6.51	83	22748	5.81	ug/l #	98
48) Methyl methacrylate	6.84	41	8422	5.23	ug/l #	80
49) 1,4-Dioxane	6.83	88	759	78.19	ug/l #	89
51) 4-Methyl-2-Pentanone	8.37	43	42318	24.00	ug/l	100
52) Toluene	7.75	92	25410	5.26	ug/l	97
53) t-1,3-Dichloropropene	8.39	75	20139	5.68	ug/l #	85
54) cis-1,3-Dichloropropene	7.42	75	18549	4.89	ug/l	96
55) 1,1,2-Trichloroethane	8.60	97	9860	5.29	ug/l #	63
56) Ethyl methacrylate	8.73	69	10013	4.41	ug/l #	88
57) 1,3-Dichloropropane	8.97	76	17571	5.49	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.74	63	5636	31.50	ug/l	100
59) 2-Hexanone	9.60	43	30272	20.82	ug/l	96
60) Dibromochloromethane	8.82	129	15255	5.25	ug/l	96
61) 1,2-Dibromoethane	9.10	107	11174	4.93	ug/l	99
64) Tetrachloroethene	8.27	164	13992	6.35	ug/l	95
65) Chlorobenzene	9.91	112	33101	5.44	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.03	131	15885	5.99	ug/l	89
67) Ethyl Benzene	10.00	91	57702	5.57	ug/l	98
68) m/p-Xylenes	10.24	106	43261	11.82	ug/l	96
69) o-Xylene	10.80	106	21429	5.25	ug/l	98
70) Styrene	10.87	104	31826	5.11	ug/l	96
71) Bromoform	10.86	173	10086	5.58	ug/l	89
73) Isopropylbenzene	11.21	105	64401	4.67	ug/l	98
74) N-amyl acetate	11.44	43	17288	3.55	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	11.76	83	15805	4.66	ug/l	82
76) 1,2,3-Trichloropropane	11.87	75	12881	4.95	ug/l	91
77) Bromobenzene	11.57	156	18820	4.96	ug/l	95
78) n-propylbenzene	11.66	91	88740	5.37	ug/l	99
79) 2-Chlorotoluene	11.79	91	53538	5.28	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	63610	5.24	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.94	75	6414	4.25	ug/l	95
82) 4-Chlorotoluene	11.97	91	56098	5.22	ug/l	100
83) tert-Butylbenzene	12.19	119	60556	5.04	ug/l	95
84) 1,2,4-Trimethylbenzene	12.27	105	66925	5.28	ug/l	98
85) sec-Butylbenzene	12.37	105	82658	5.16	ug/l	99
86) p-Isopropyltoluene	12.52	119	69228	5.13	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	42564	6.04	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	39220	5.73	ug/l	88
89) n-Butylbenzene	12.90	91	67610	4.94	ug/l	97
90) Hexachloroethane	12.97	117	19139	5.68	ug/l	75
91) 1,2-Dichlorobenzene	13.00	146	40779	5.91	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	4069	5.29	ug/l	78

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Misc : 5.03g/5mL/MSVOA-F/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

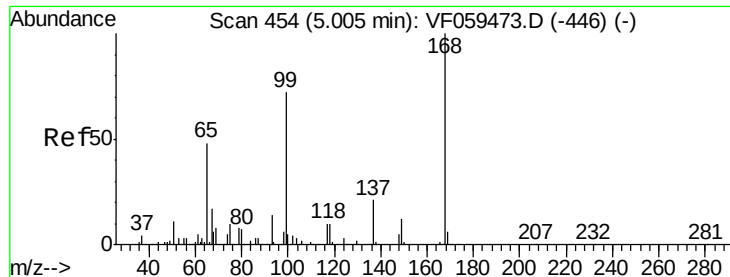
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	27872	5.44	ug/l	99
94) Hexachlorobutadiene	14.24	225	16841	5.73	ug/l	96
95) Naphthalene	14.51	128	46607	4.34	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.65	180	23273	4.77	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.01 min Scan# 454

Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 228510

Ion Ratio Lower Upper

168 100

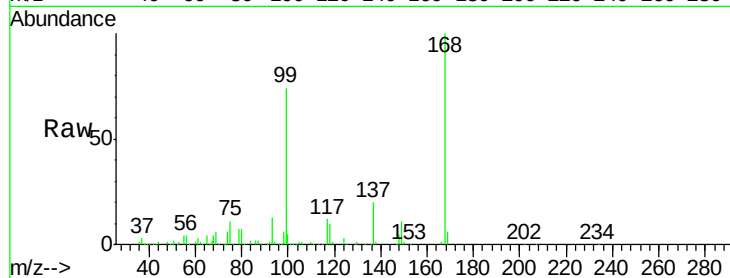
99 73.6 57.7 86.5

Manual Integrations

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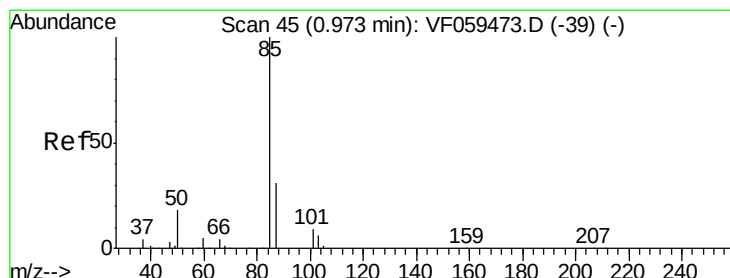
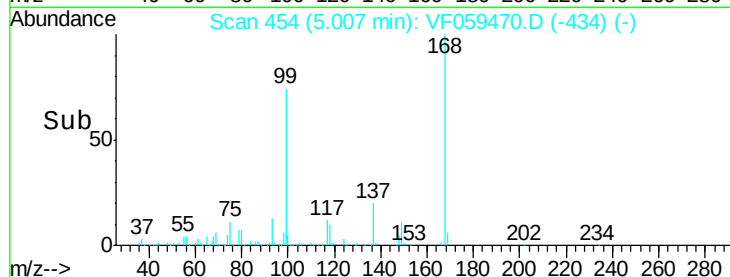
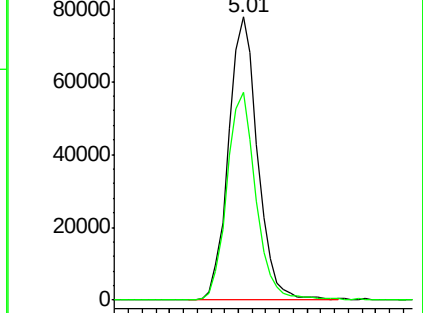
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 7.66 ug/l

RT: 0.98 min Scan# 45

Delta R.T. 0.00 min

Lab File: VF059470.D

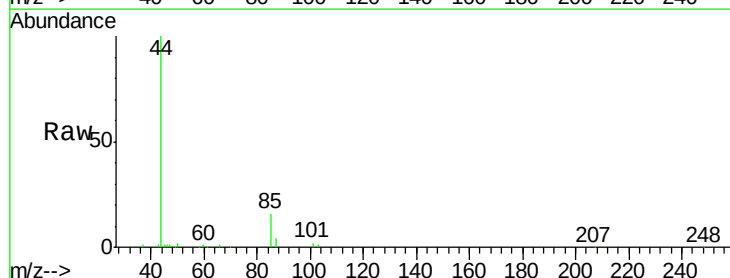
Acq: 7 Jul 2018 2:05

Tgt Ion: 85 Resp: 17626

Ion Ratio Lower Upper

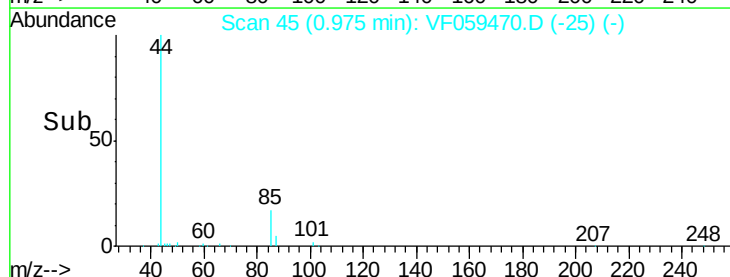
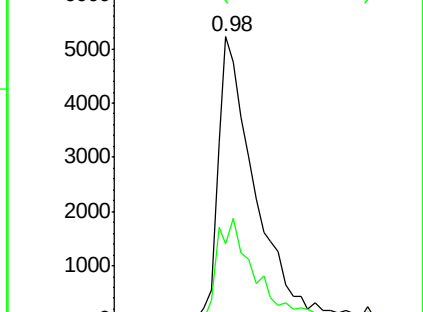
85 100

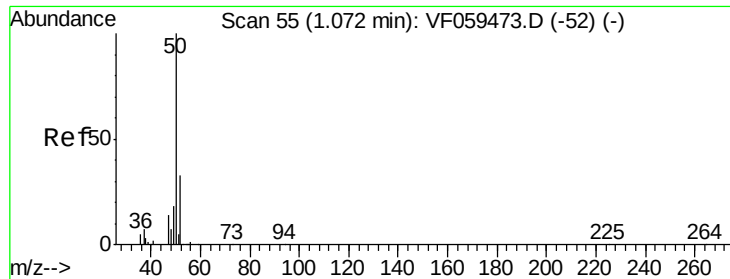
87 27.0 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 5.87 ug/l

RT: 1.07 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 8474

Ion Ratio Lower Upper

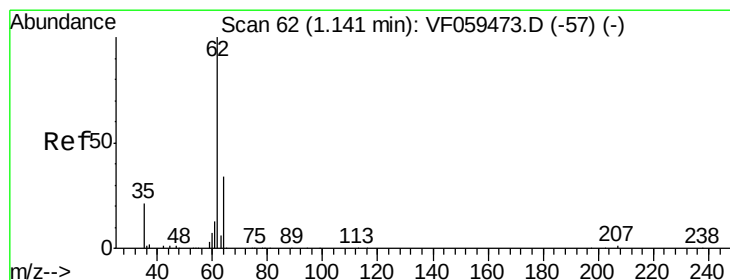
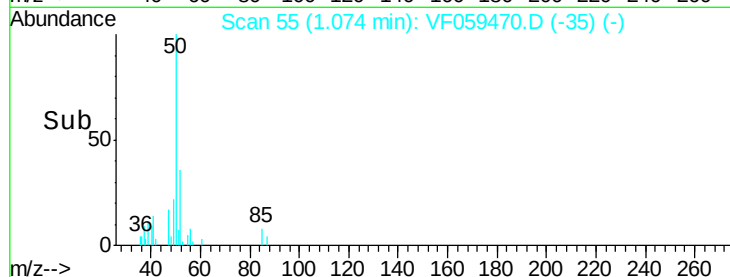
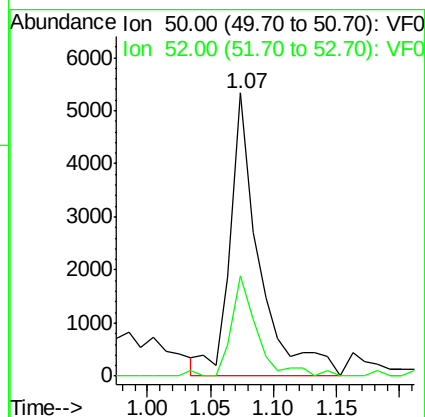
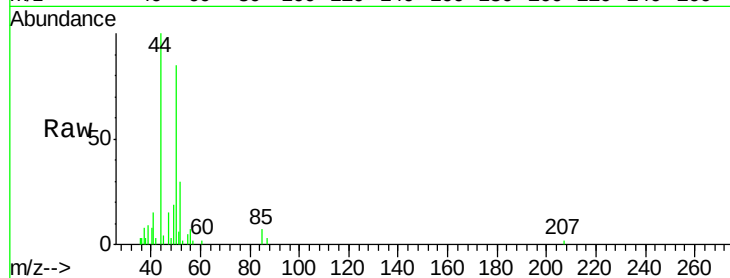
50 100

52 35.5 25.9 38.9

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#4

Vinyl Chloride

Concen: 5.80 ug/l

RT: 1.13 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF059470.D

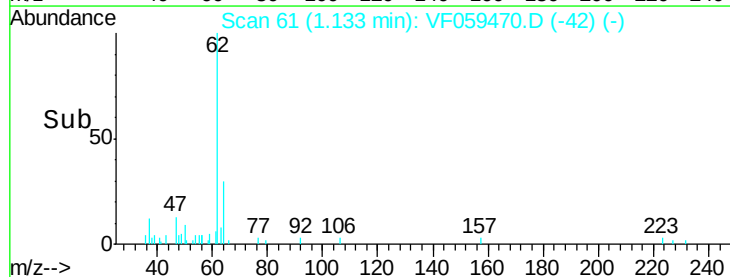
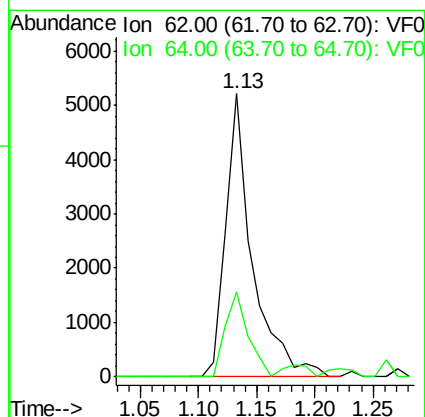
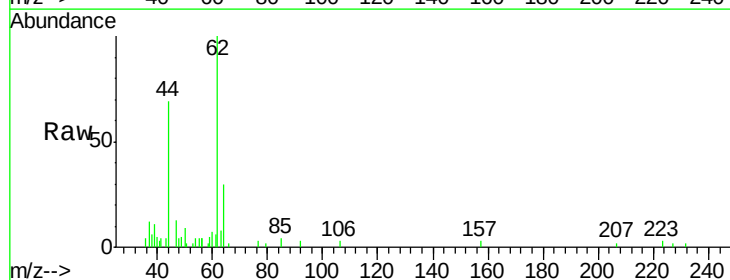
Acq: 7 Jul 2018 2:05

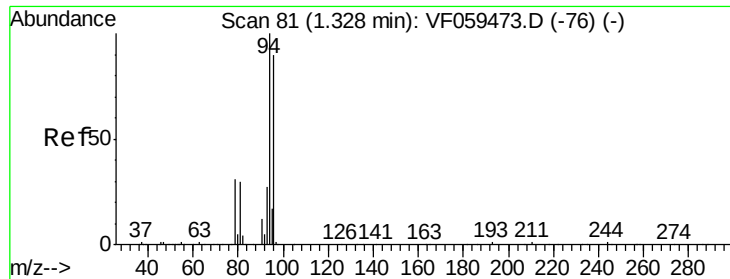
Tgt Ion: 62 Resp: 8258

Ion Ratio Lower Upper

62 100

64 30.2 27.3 40.9





#5

Bromomethane

Concen: 6.79 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Tot Ion: 94 Resp: 6608

Ion Ratio Lower Upper

94 100

96 92.2 72.0 108.0

Instrument :

MSVOA_F

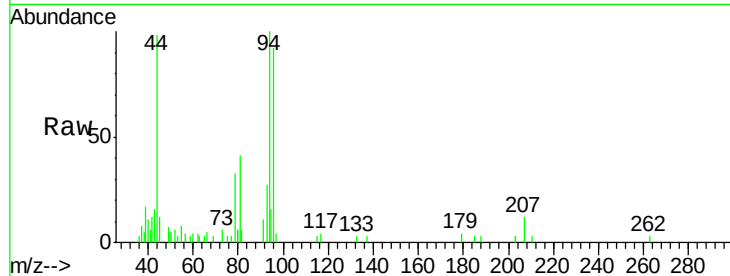
ClientSampleId :

VSTDIC005

Manual Integrations
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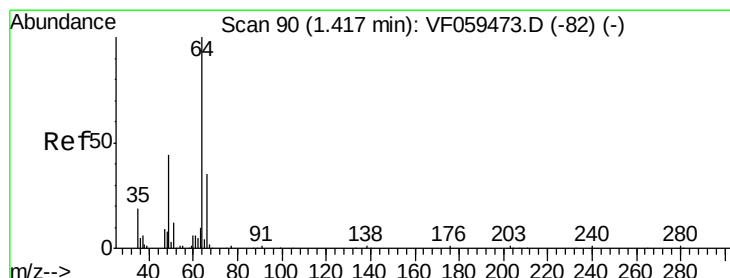
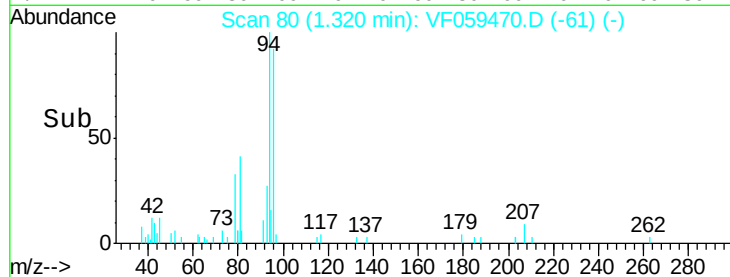
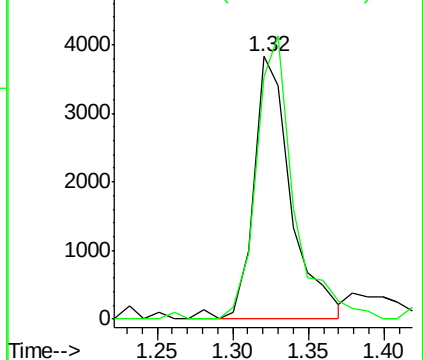
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 6.34 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059470.D

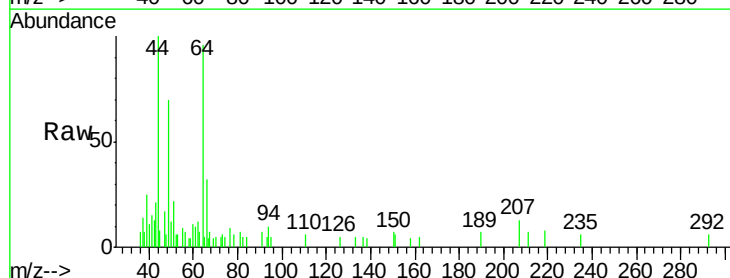
Acq: 7 Jul 2018 2:05

Tgt Ion: 64 Resp: 4574

Ion Ratio Lower Upper

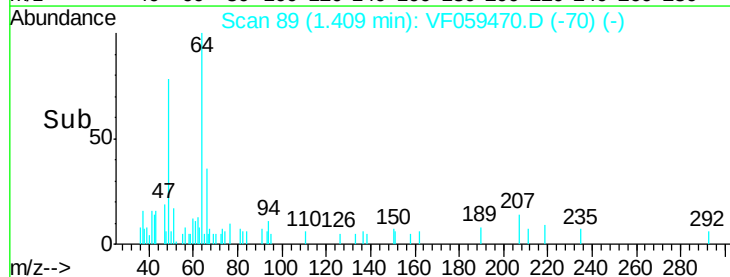
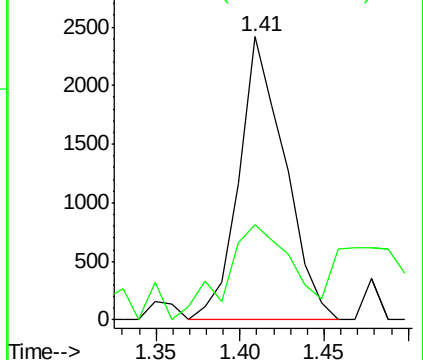
64 100

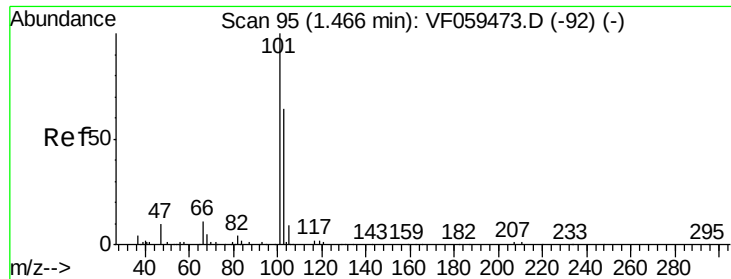
66 33.4 28.1 42.1



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 5.50 ug/l m

RT: 1.48 min Scan# 96

Delta R.T. 0.01 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 16103

Ion Ratio Lower Upper

101 100

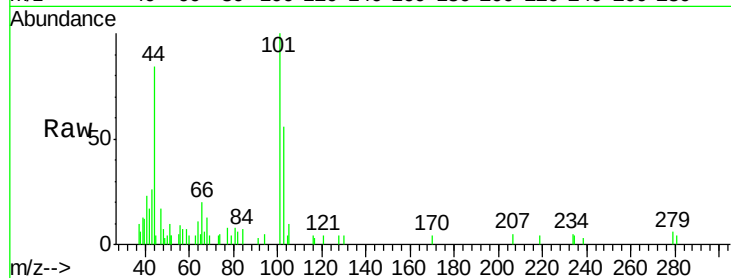
103 55.9 51.2 76.8

Manual Integrations

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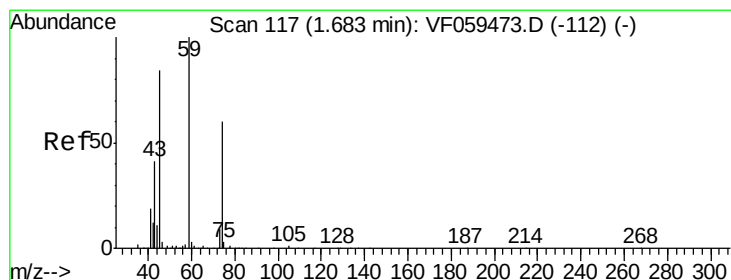
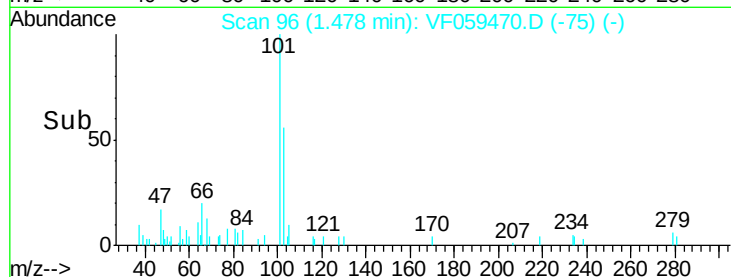
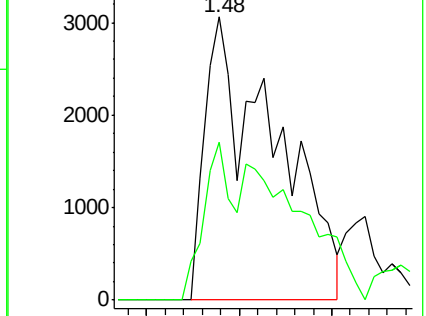
apatel

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 4.84 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.00 min

Lab File: VF059470.D

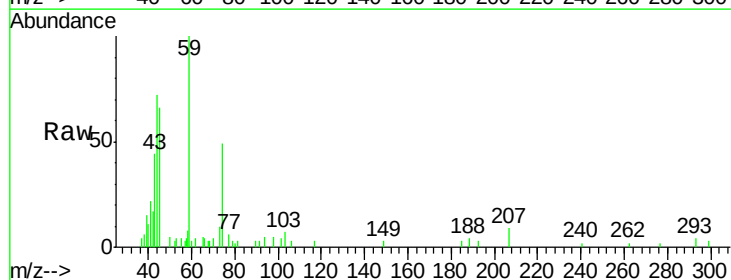
Acq: 7 Jul 2018 2:05

Tgt Ion: 74 Resp: 3468

Ion Ratio Lower Upper

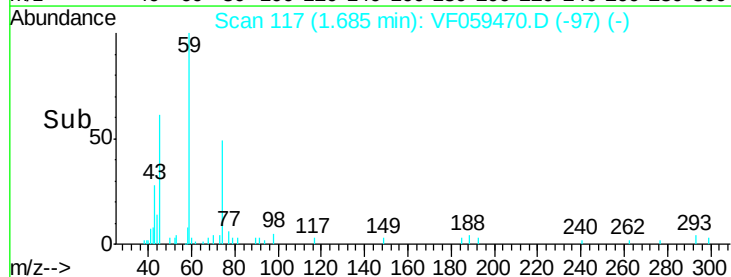
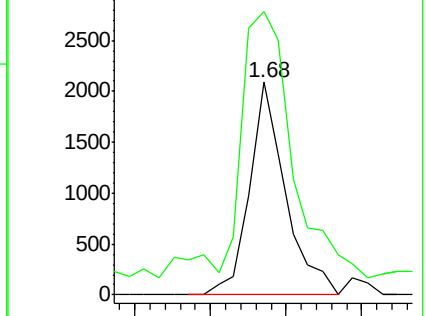
74 100

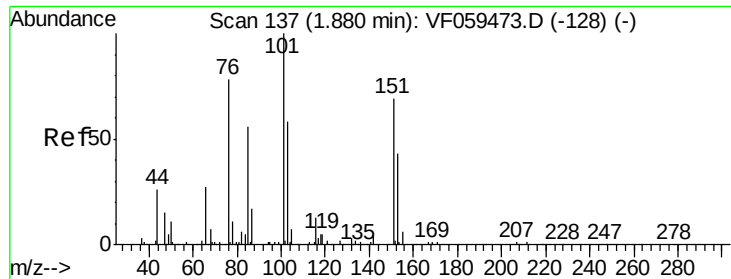
45 133.0 71.1 213.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.26 ug/l

RT: 1.88 min Scan# 137

Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Instrument :

MSVOA_F

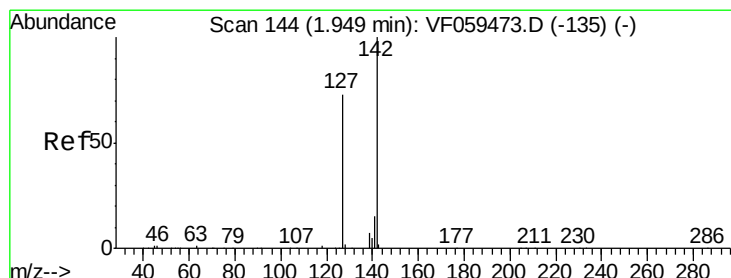
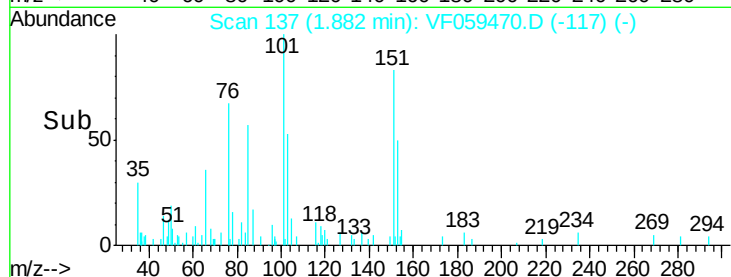
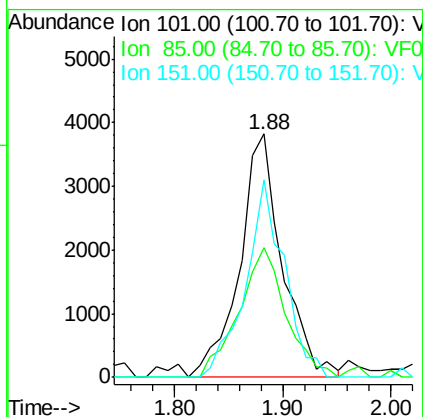
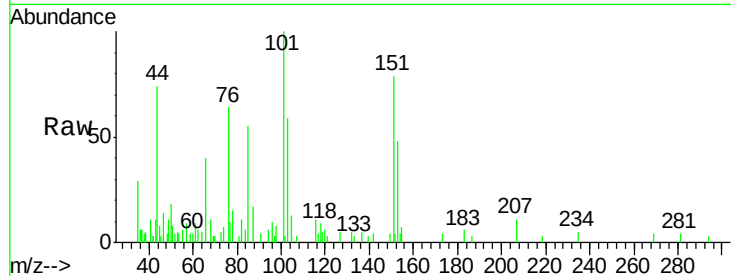
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	10446
Ion Ratio	Lower	Upper	
101	100		
85	53.2	43.8	65.8
151	81.1	54.2	81.4

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#10

Methyl Iodide

Concen: 6.16 ug/l

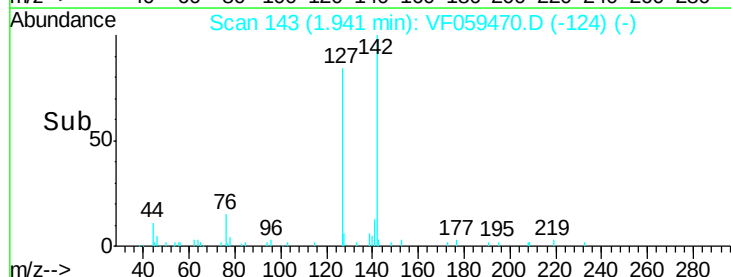
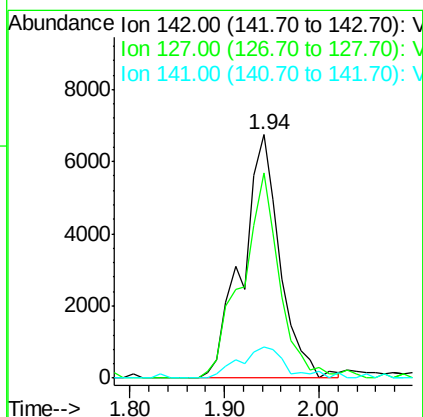
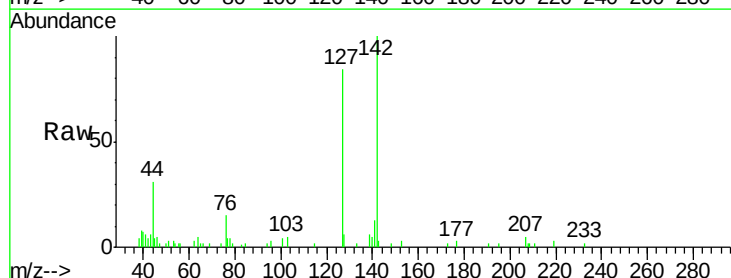
RT: 1.94 min Scan# 143

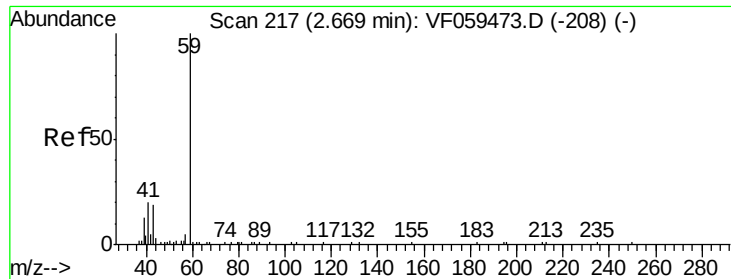
Delta R.T. -0.01 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Tgt Ion:	142	Resp:	18633
Ion Ratio	Lower	Upper	
142	100		
127	88.0	58.2	87.2#
141	12.3	11.7	17.5





#11

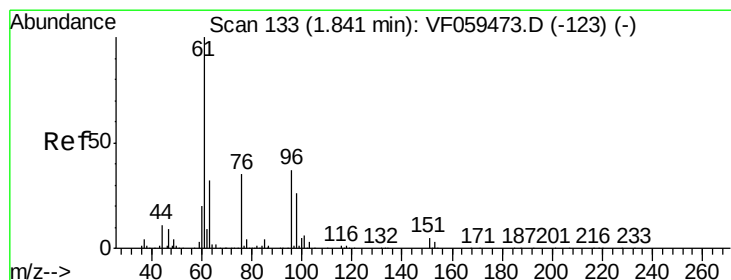
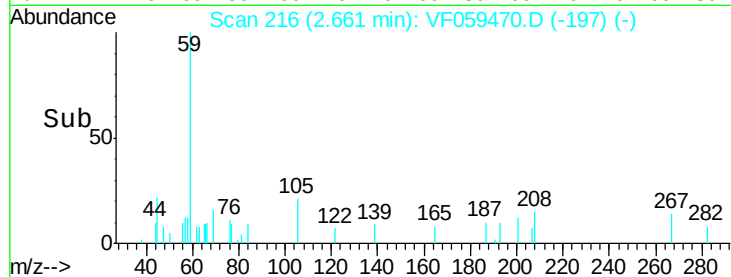
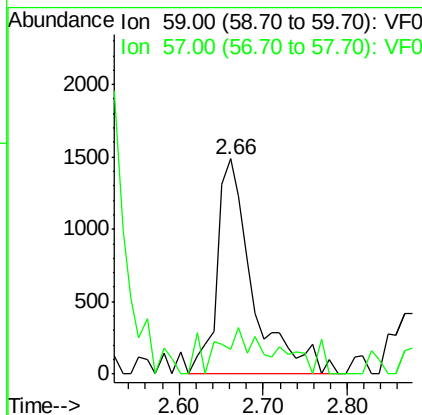
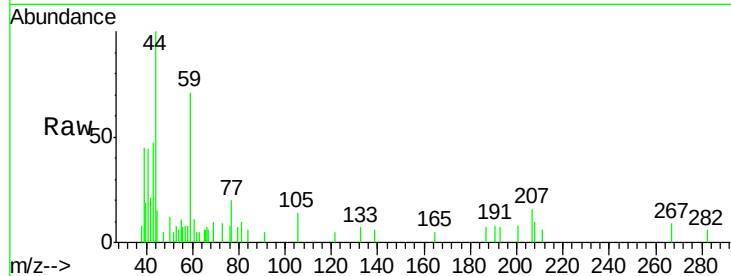
Tert butyl alcohol
Concen: 22.32 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.01 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	7.8	11.8

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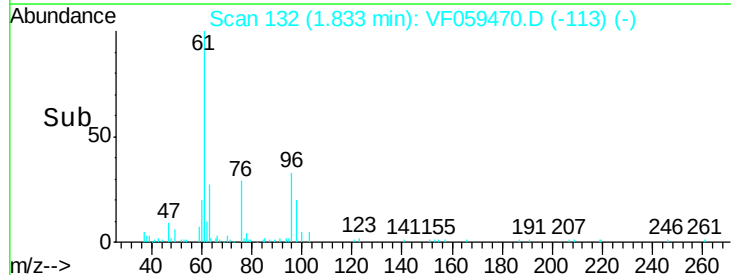
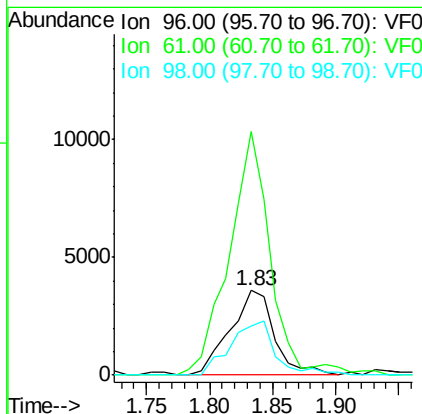
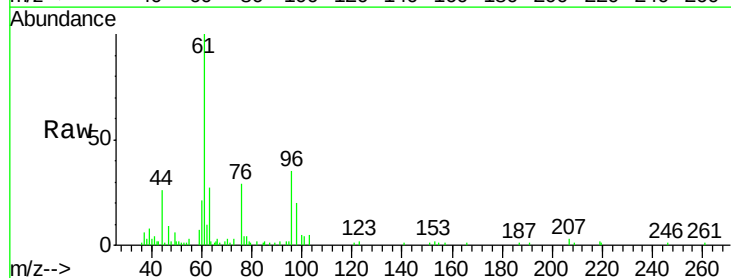
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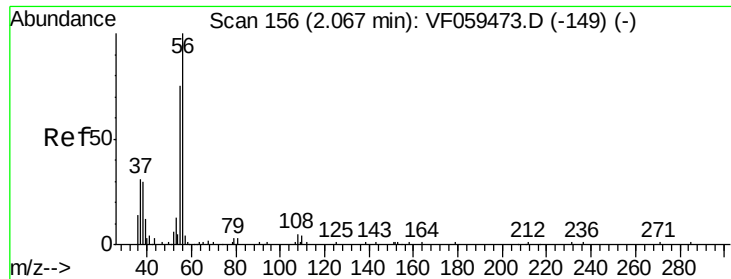


#12

1,1-Dichloroethene
Concen: 6.20 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.01 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	287.9	214.4	321.6
98	58.2	55.6	83.4





#13

Acrolein

Concen: 31.64 ug/l m

RT: 2.07 min Scan# 156

Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 3694

Ion Ratio Lower Upper

56 100

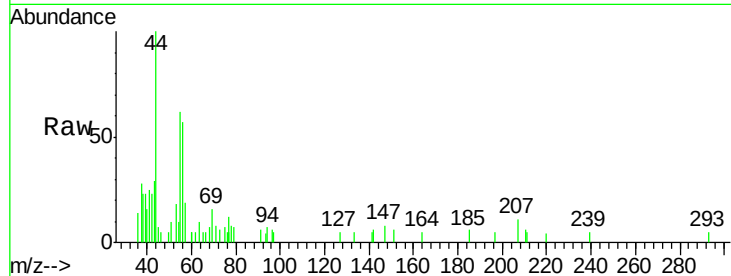
55 109.8 61.2 91.8#

Manual Integrations

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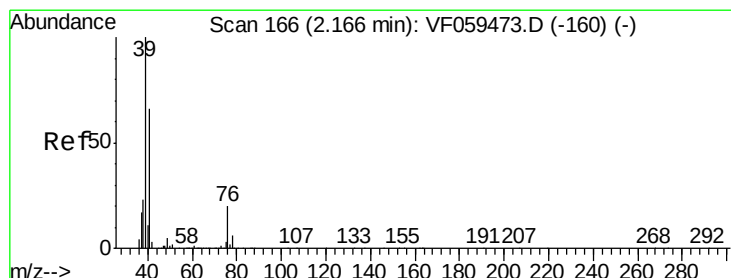
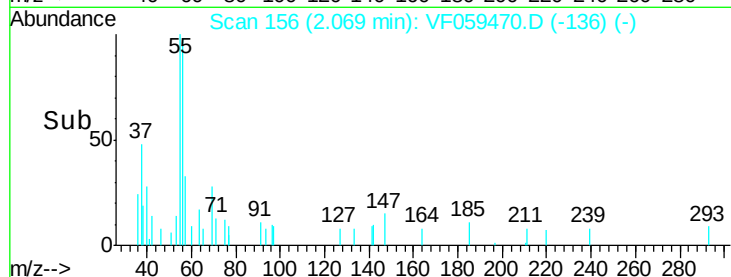
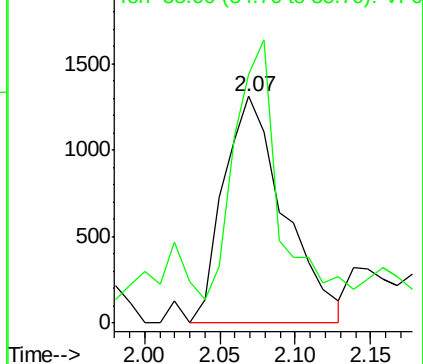
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 5.84 ug/l

RT: 2.17 min Scan# 166

Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

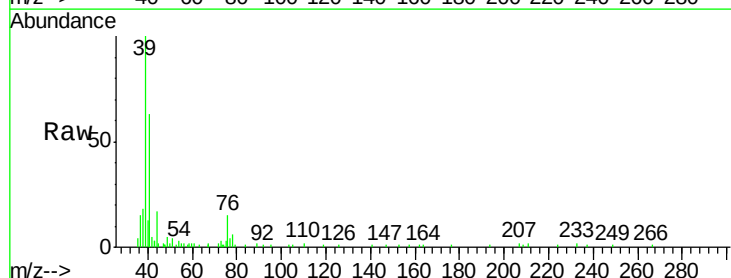
Tgt Ion: 41 Resp: 15088

Ion Ratio Lower Upper

41 100

39 158.1 120.7 181.1

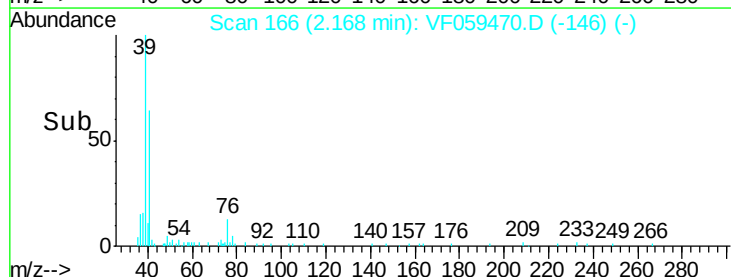
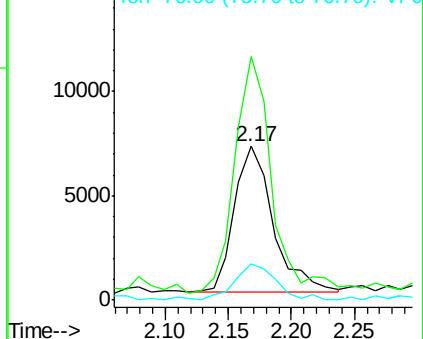
76 23.5 24.0 36.0#

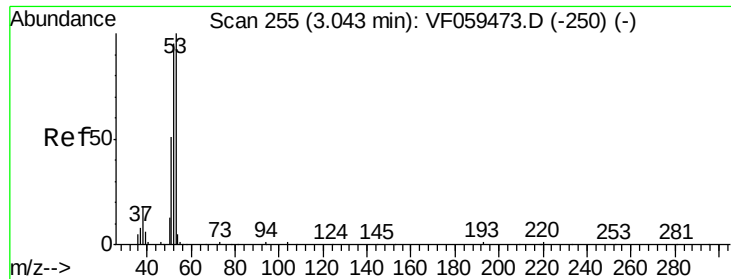


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





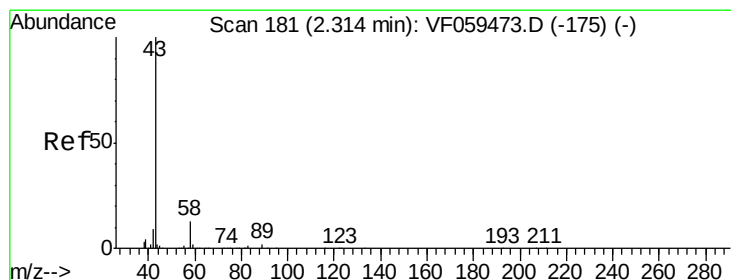
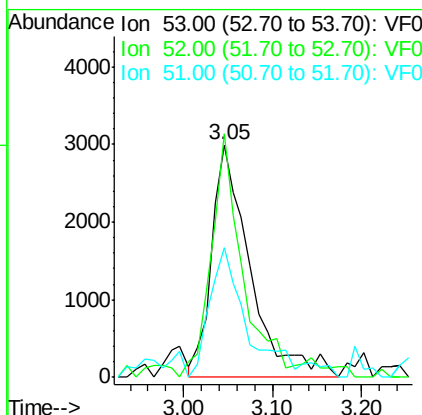
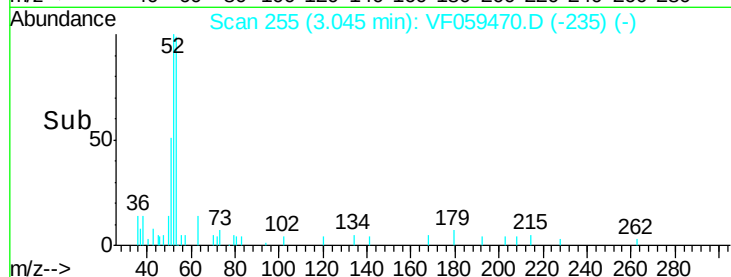
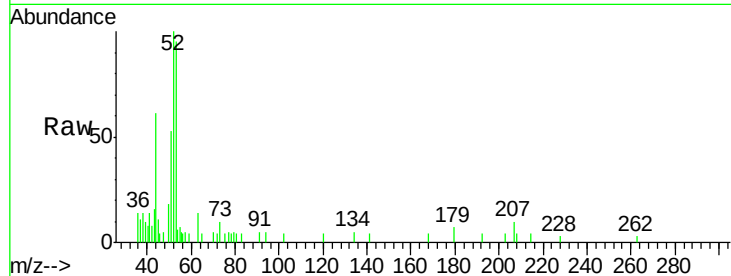
#15
 Acrylonitrile
 Concen: 26.38 ug/l
 RT: 3.05 min Scan# 255
 Delta R.T. 0.00 min
 Lab File: VF059470.D
 Acq: 7 Jul 2018 2:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion:	53	Resp:	9066
Ion	Ratio	Lower	Upper
53	100		
52	104.8	76.8	115.2
51	56.0	41.8	62.8

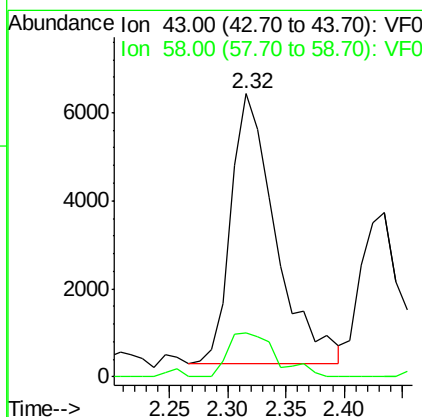
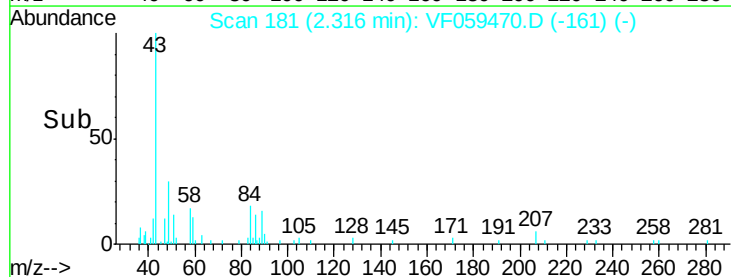
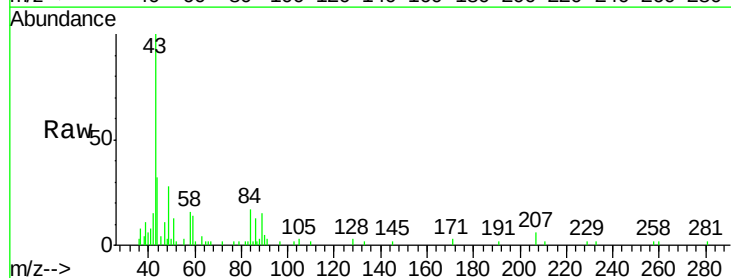
Manual Integrations
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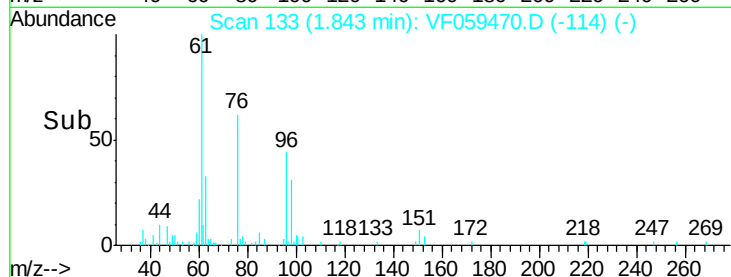
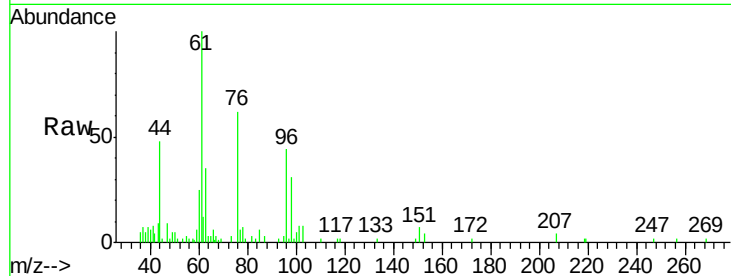
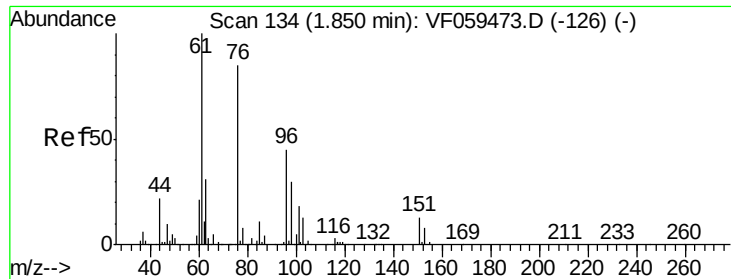
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#16
 Acetone
 Concen: 20.92 ug/l
 RT: 2.32 min Scan# 181
 Delta R.T. 0.00 min
 Lab File: VF059470.D
 Acq: 7 Jul 2018 2:05

Tgt Ion:	43	Resp:	16297
Ion	Ratio	Lower	Upper
43	100		
58	15.8	10.5	15.7#





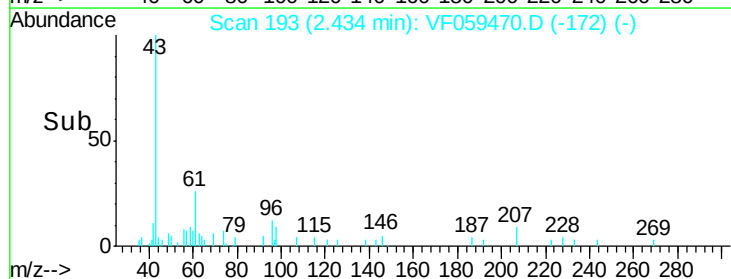
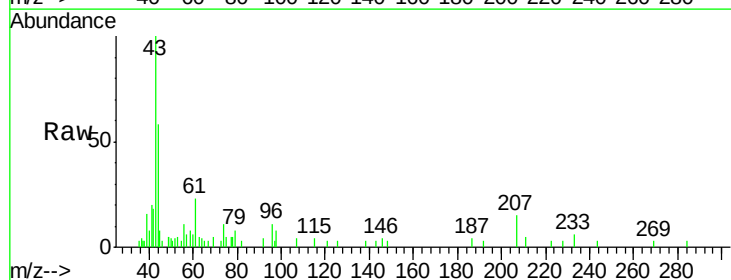
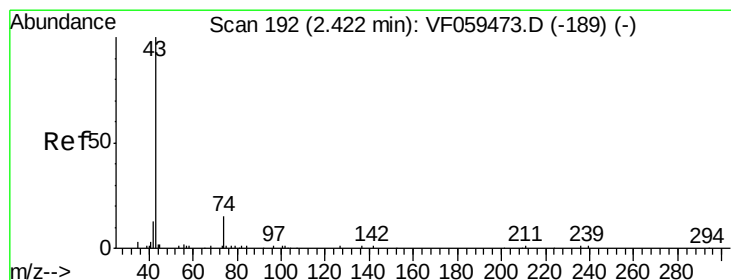
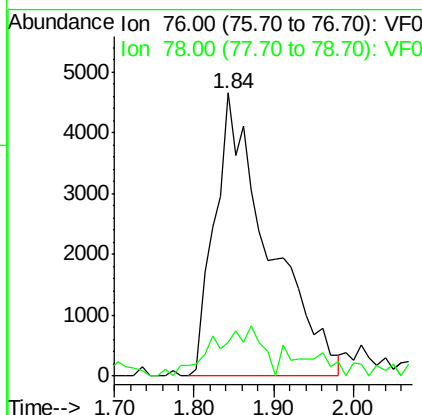
#17
Carbon Disulfide
Concen: 6.51 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Tot Ion	Ion	Ratio	Lower	Upper
76	76	100		
78	78	11.8	8.0	12.0

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

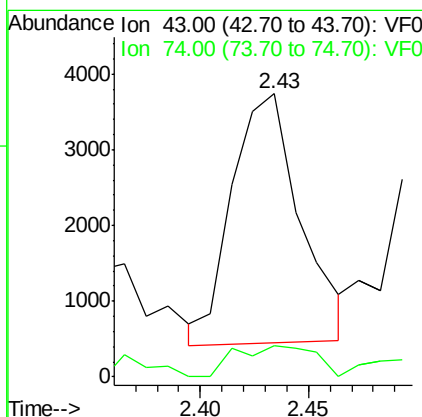
Manual Integrations
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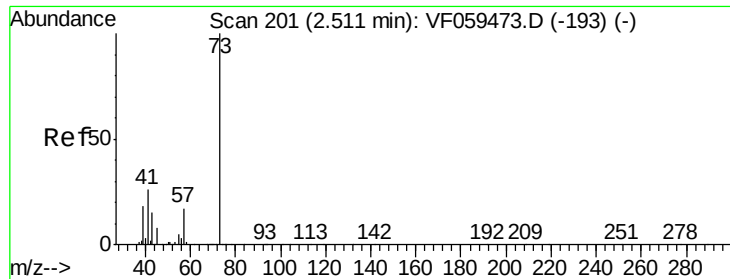
apatel
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#18
Methyl Acetate
Concen: 4.70 ug/l
RT: 2.43 min Scan# 193
Delta R.T. 0.01 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Tgt Ion	Ion	Ratio	Lower	Upper
43	43	100		
74	74	11.0	10.8	16.2





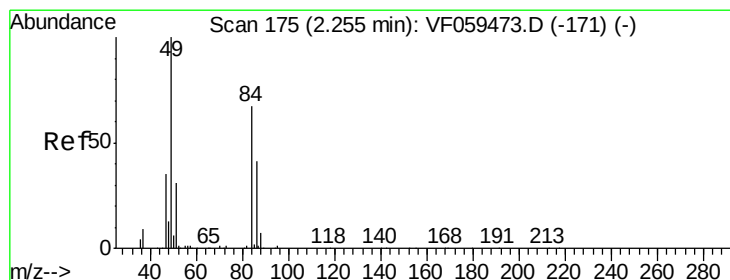
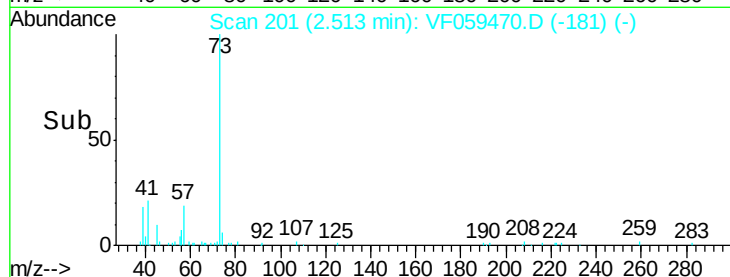
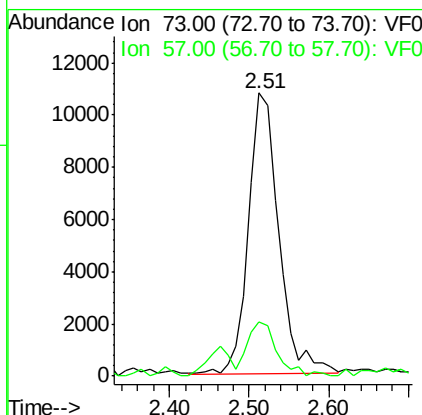
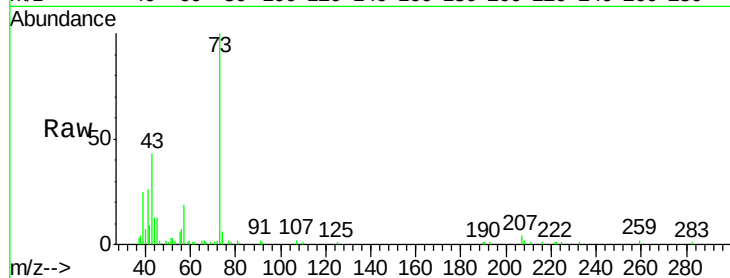
#19
Methyl tert-butyl Ether
Concen: 5.51 ug/l
RT: 2.51 min Scan# 201
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.1	13.7	20.5

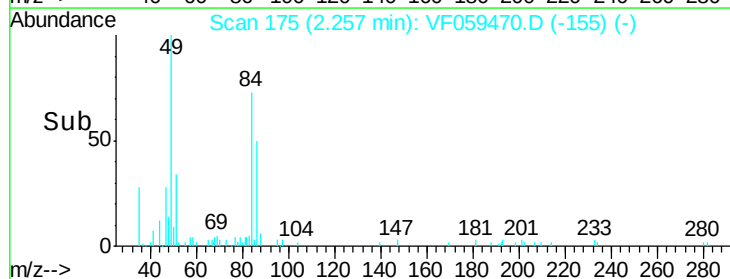
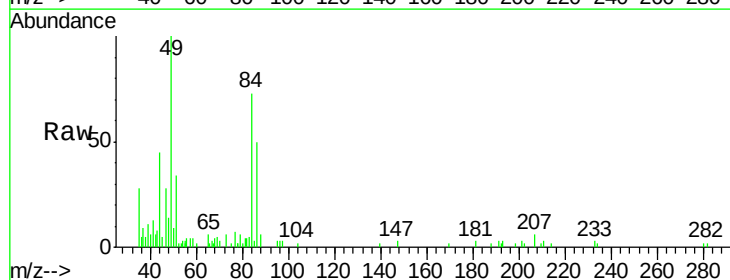
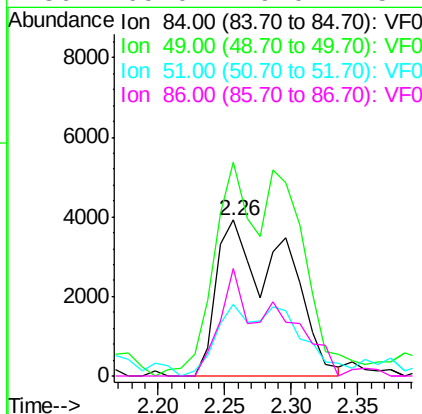
Manual Integrations
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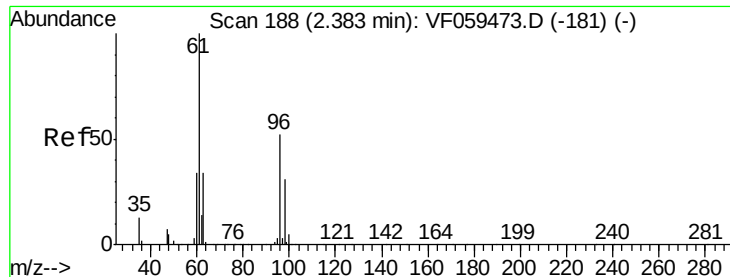
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#20
Methylene Chloride
Concen: 6.17 ug/l m
RT: 2.26 min Scan# 175
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.2	120.4	180.6
51	46.5	38.1	57.1
86	69.0	49.0	73.4





#21

trans-1,2-Dichloroethene

Concen: 6.32 ug/l

RT: 2.39 min Scan# 189

Delta R.T. 0.01 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Instrument :

MSVOA_F

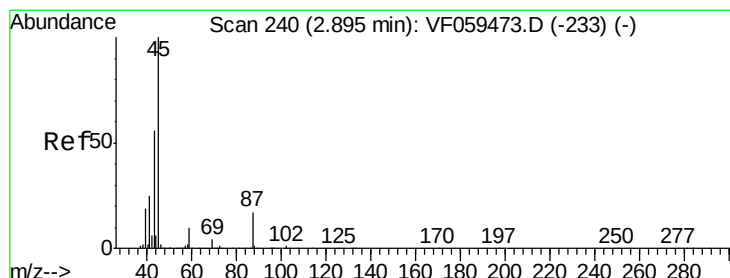
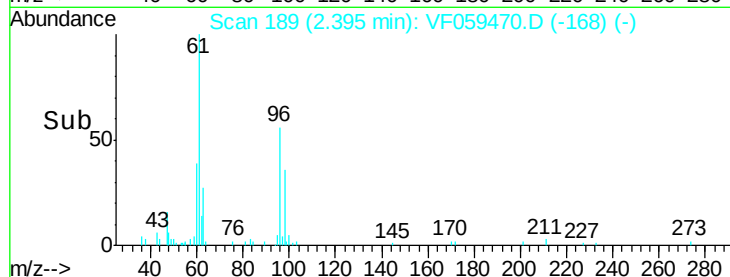
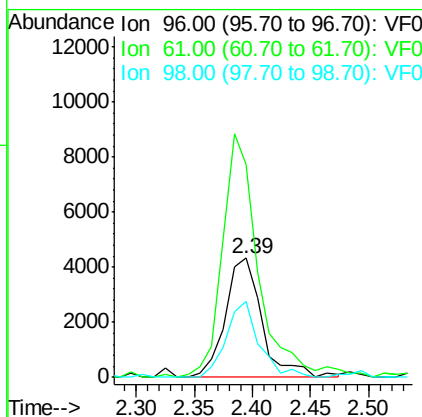
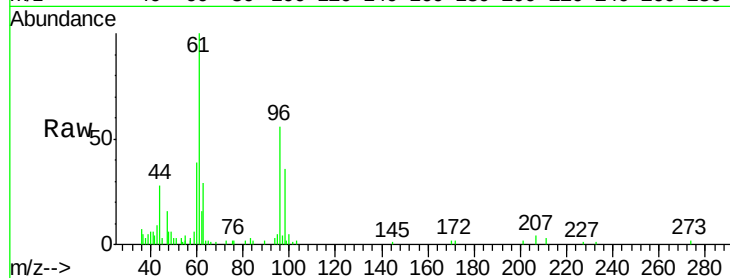
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	9513
Ion	Ratio	Lower	Upper
96	100		
61	178.5	154.3	231.5
98	67.2	48.2	72.4

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#22

Diisopropyl ether

Concen: 5.39 ug/l

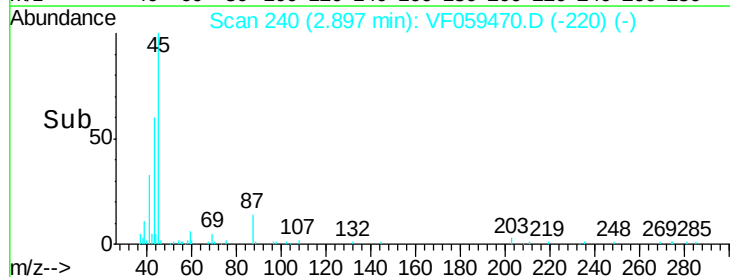
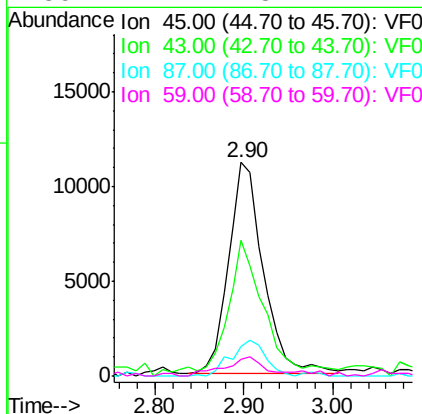
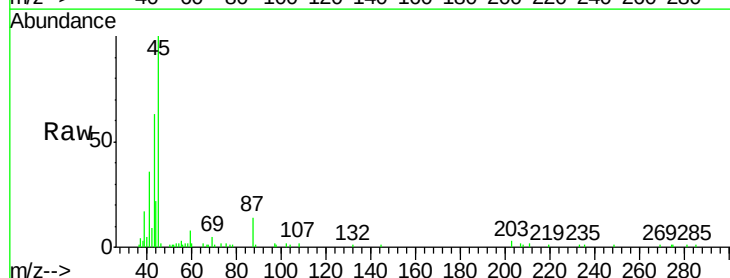
RT: 2.90 min Scan# 240

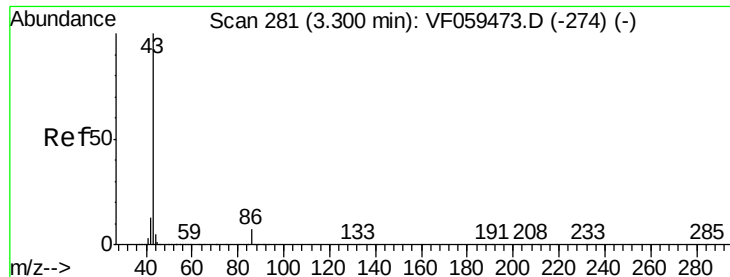
Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Tgt Ion:	45	Resp:	30527
Ion	Ratio	Lower	Upper
45	100		
43	63.2	45.4	68.2
87	13.7	13.5	20.3
59	7.7	8.2	12.4#





#23

Vinyl Acetate

Concen: 24.41 ug/l

RT: 3.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 87346

Ion Ratio Lower Upper

43 100

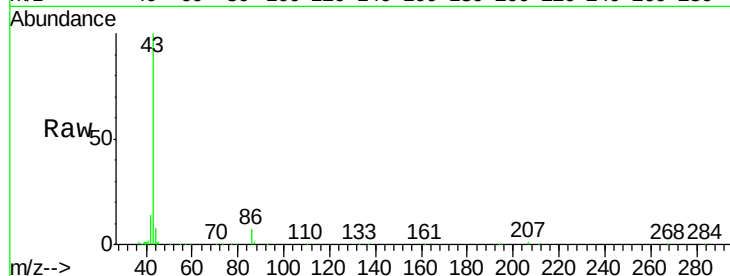
86 7.1 5.3 7.9

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.30

40000

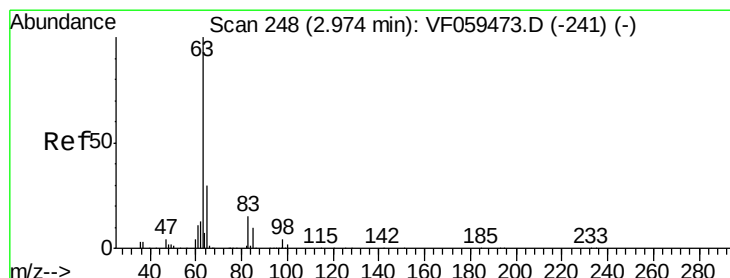
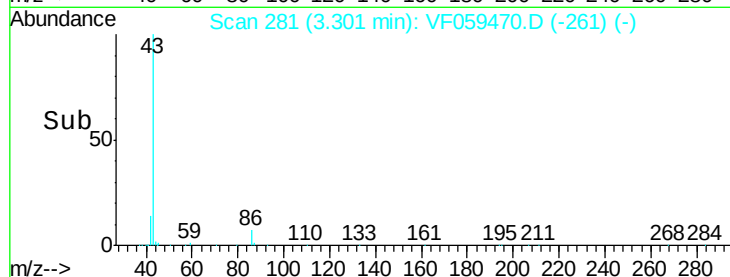
30000

20000

10000

0

Time-->



#24

1,1-Dichloroethane

Concen: 5.96 ug/l

RT: 2.98 min Scan# 248

Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

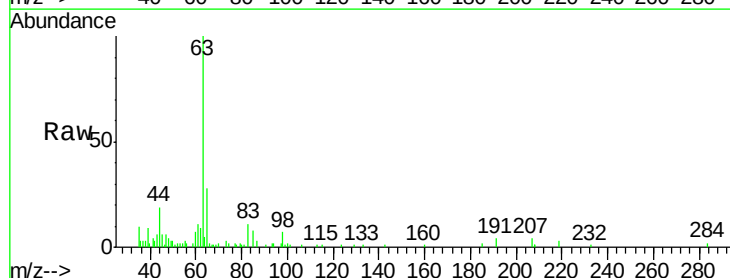
Tgt Ion: 63 Resp: 21391

Ion Ratio Lower Upper

63 100

98 7.4 1.8 5.5#

100 2.1 1.1 3.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.98

12000

10000

8000

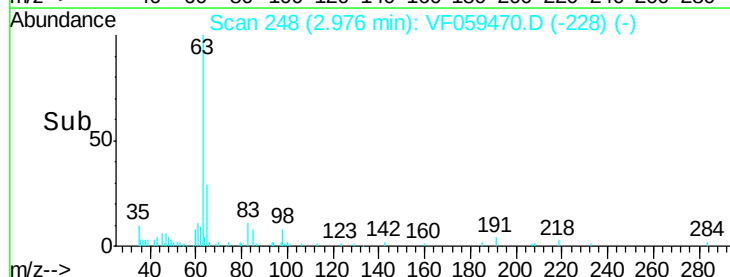
6000

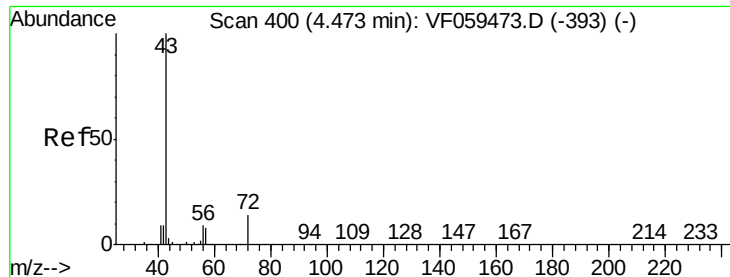
4000

2000

0

Time-->





#25

2-Butanone

Concen: 21.65 ug/l

RT: 4.47 min Scan# 400

Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 20320

Ion Ratio Lower Upper

43 100

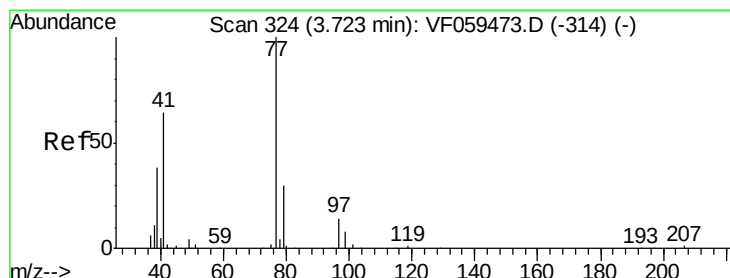
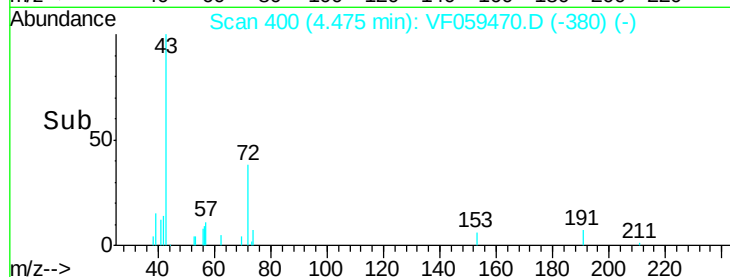
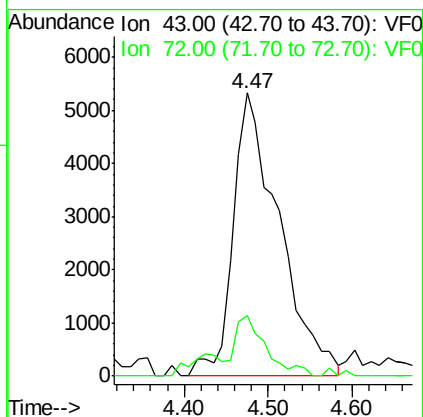
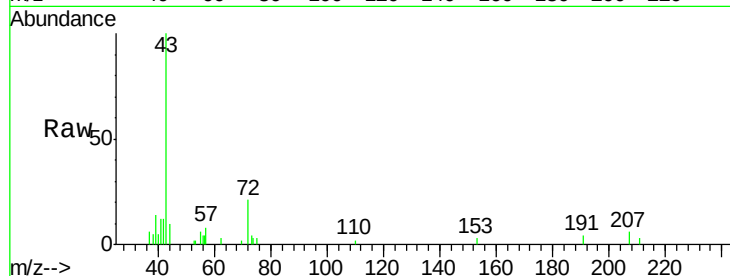
72 21.4 13.8 20.8#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.47 ug/l

RT: 3.73 min Scan# 324

Delta R.T. 0.00 min

Lab File: VF059470.D

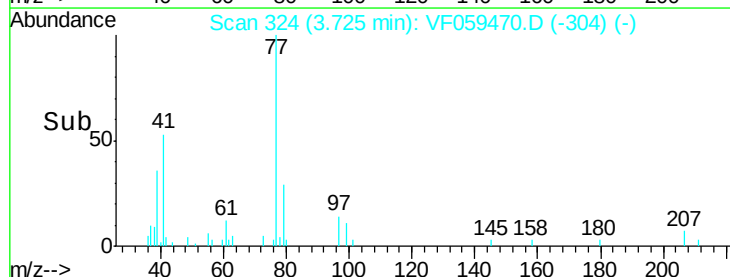
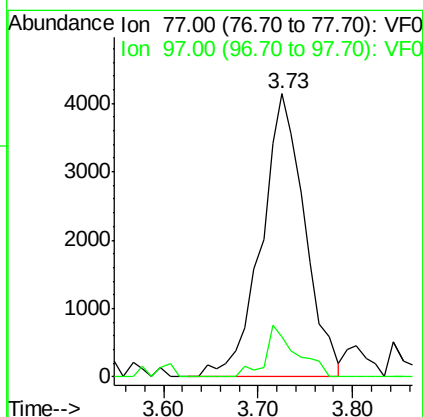
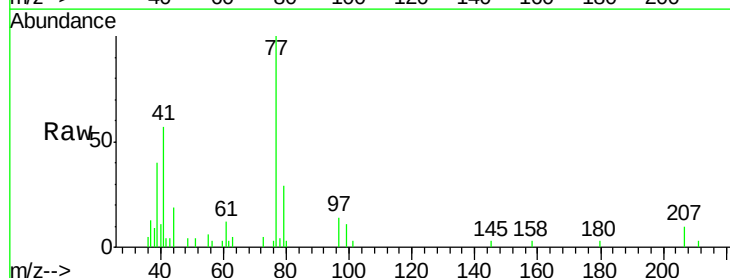
Acq: 7 Jul 2018 2:05

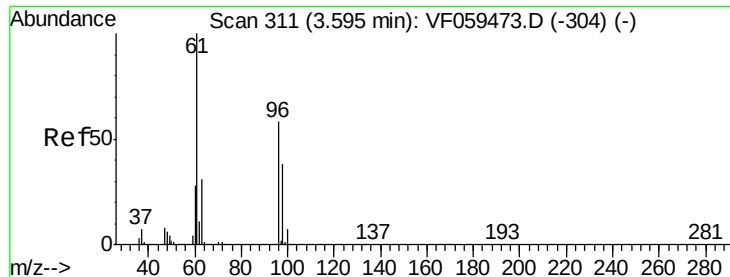
Tgt Ion: 77 Resp: 13129

Ion Ratio Lower Upper

77 100

97 14.4 7.7 23.1





#27

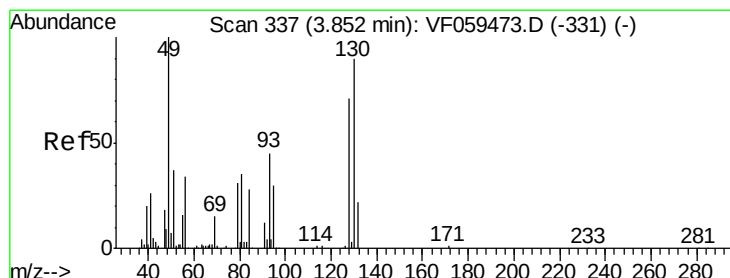
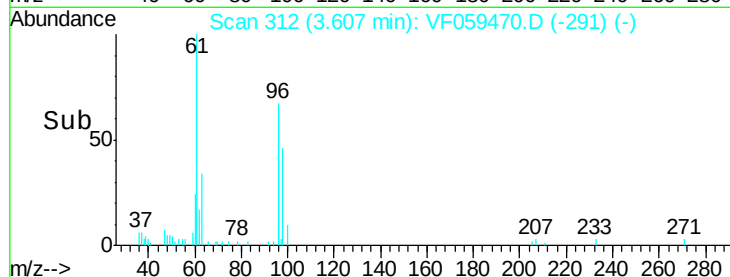
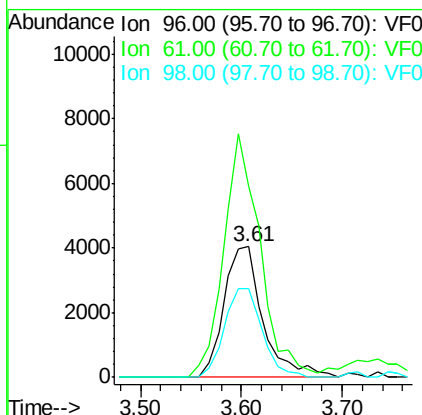
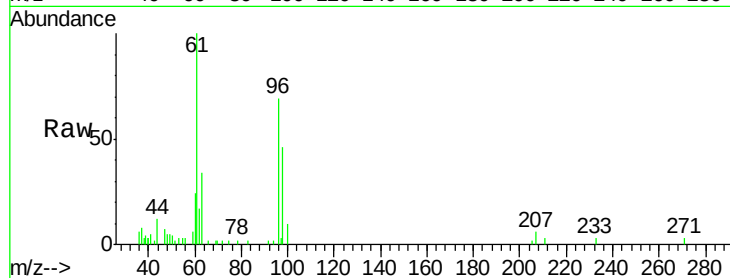
cis-1,2-Dichloroethene
Concen: 4.93 ug/l
RT: 3.61 min Scan# 312
Delta R.T. 0.01 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100	10888		
61	145.6		0.0	342.0
98	67.7		0.0	130.0

Manual Integrations
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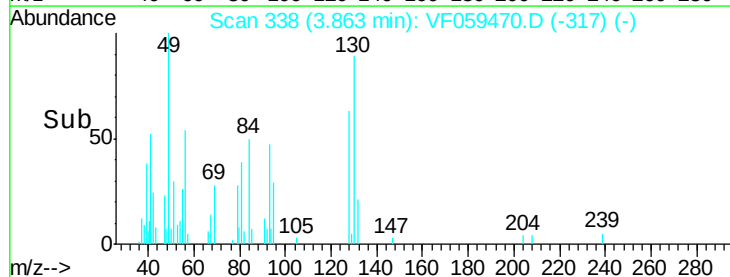
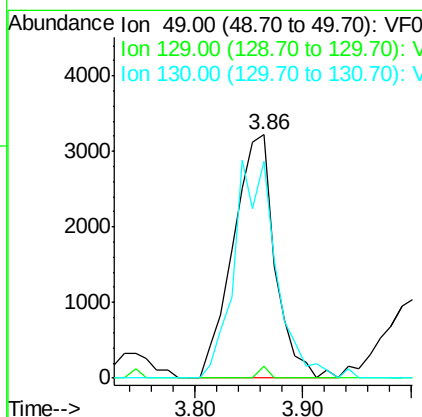
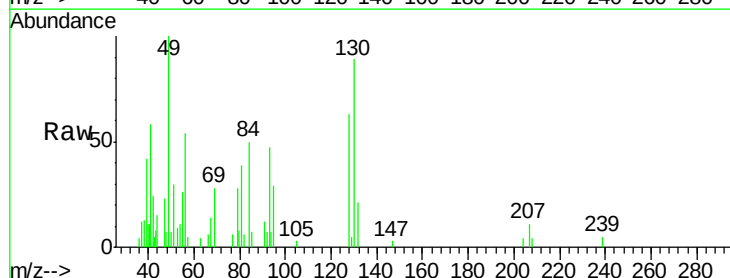
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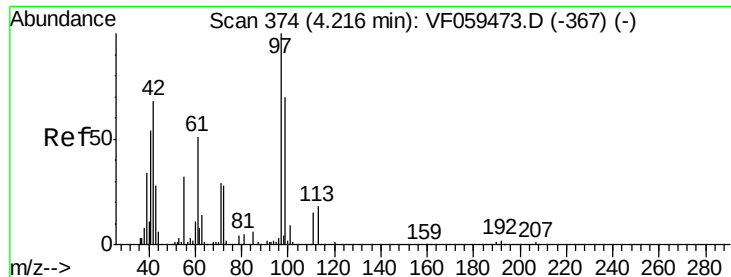


#28

Bromochloromethane
Concen: 5.58 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.01 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	8676		
129	5.2		0.0	6.2
130	89.2		71.4	107.0





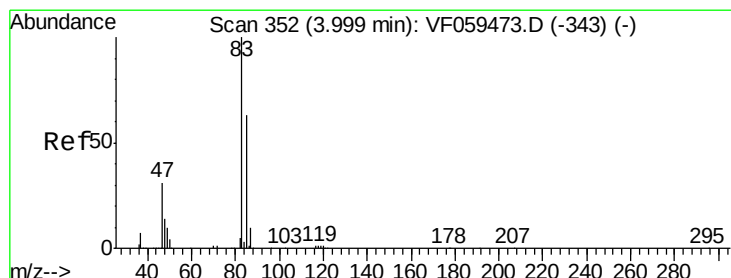
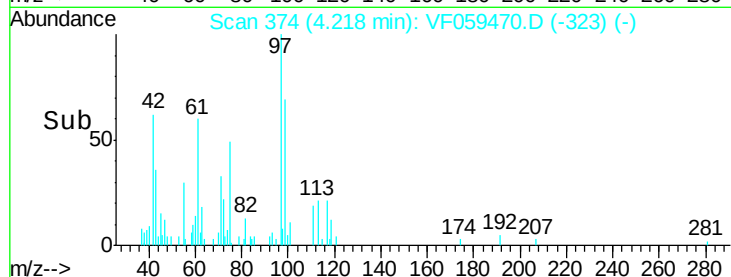
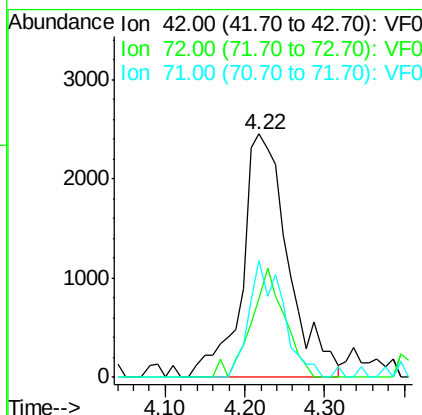
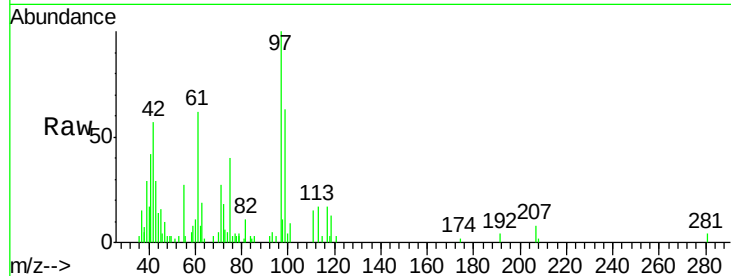
#29
Tetrahydrofuran
Concen: 23.55 ug/l
RT: 4.22 min Scan# 374
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.7	29.2	43.8
71	35.5	30.1	45.1

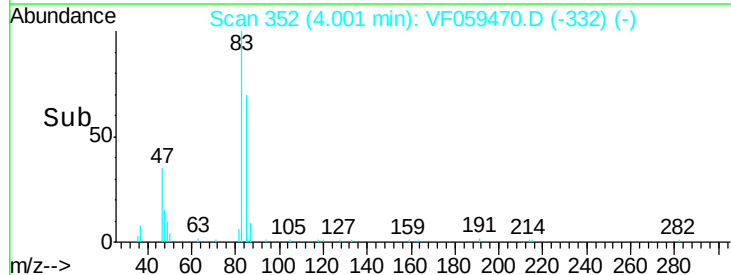
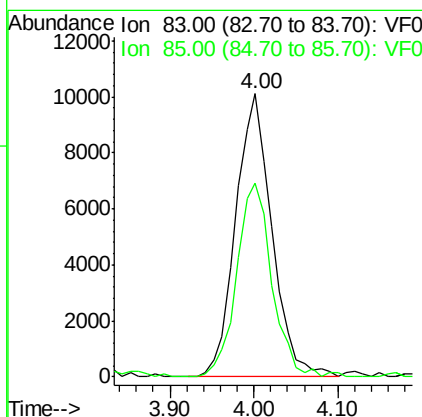
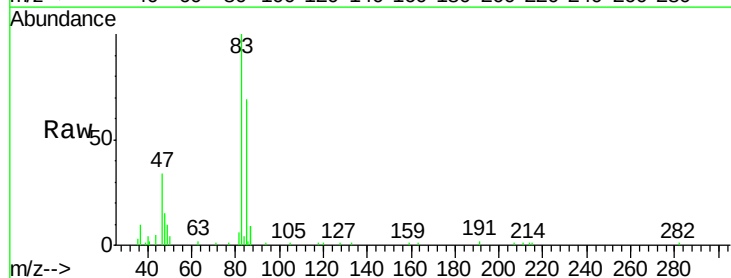
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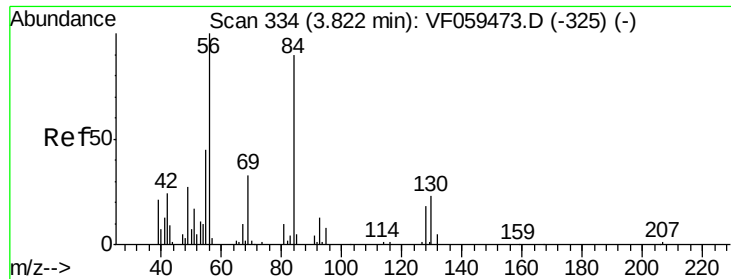
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#30
Chloroform
Concen: 5.85 ug/l
RT: 4.00 min Scan# 352
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.6	50.3	75.5





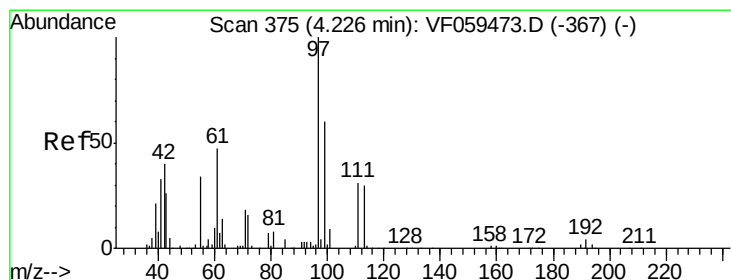
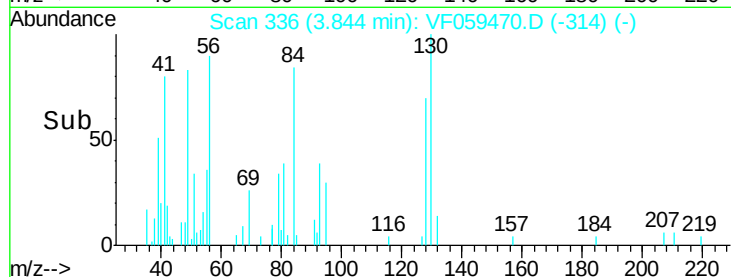
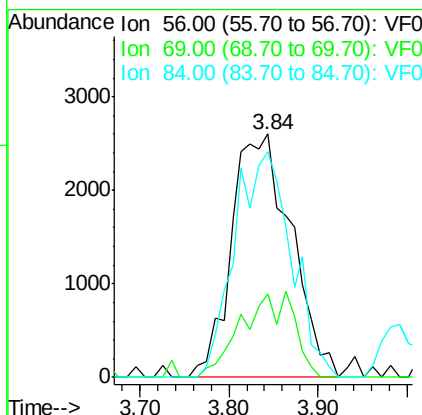
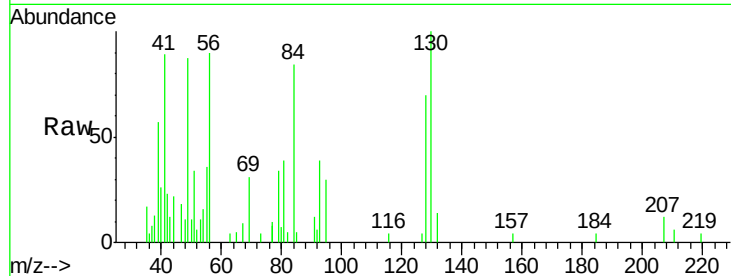
#31
Cyclohexane
Concen: 5.22 ug/l
RT: 3.84 min Scan# 336
Delta R.T. 0.02 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	34.4	26.2	39.2	
84	92.5	72.3	108.5	

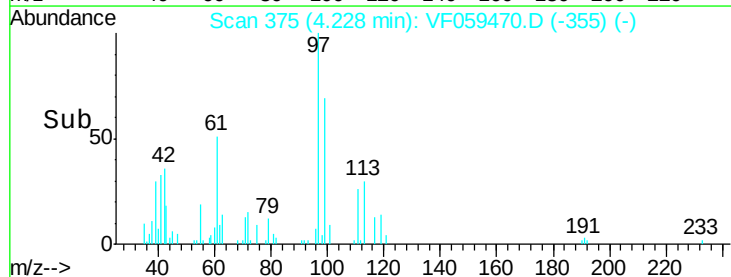
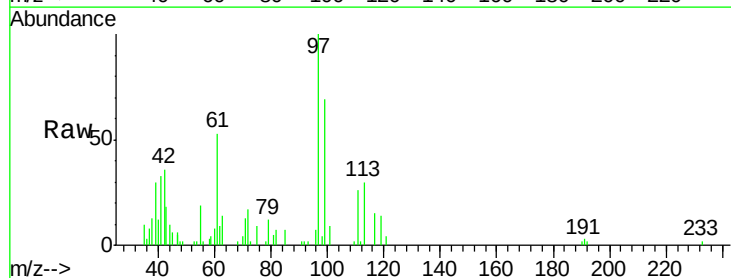
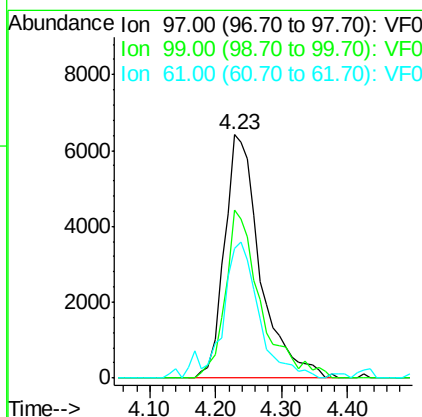
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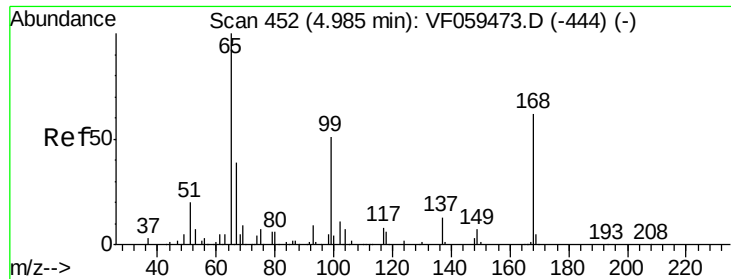
apatel
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#32
1,1,1-Trichloroethane
Concen: 6.38 ug/l
RT: 4.23 min Scan# 375
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	69.3	47.8	71.6	
61	53.3	37.9	56.9	





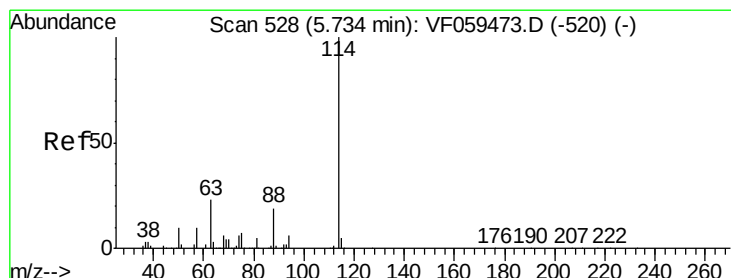
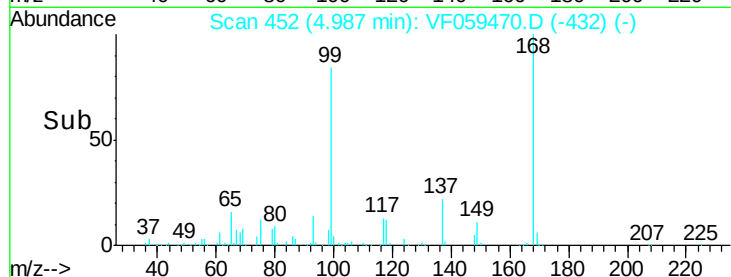
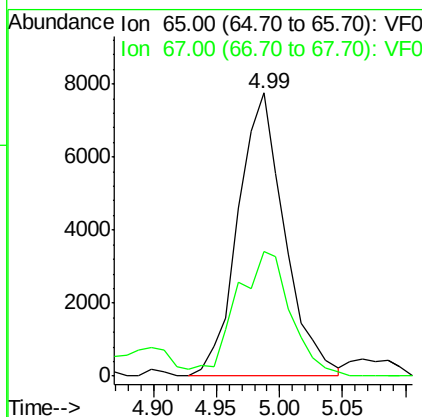
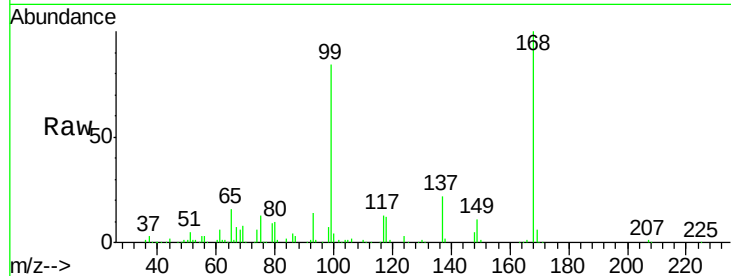
#33
 1,2-Dichloroethane-d4
 Concen: 6.30 ug/l
 RT: 4.99 min Scan# 452
 Delta R.T. 0.00 min
 Lab File: VF059470.D
 Acq: 7 Jul 2018 2:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	19935		
67	43.9	0.0	88.6	

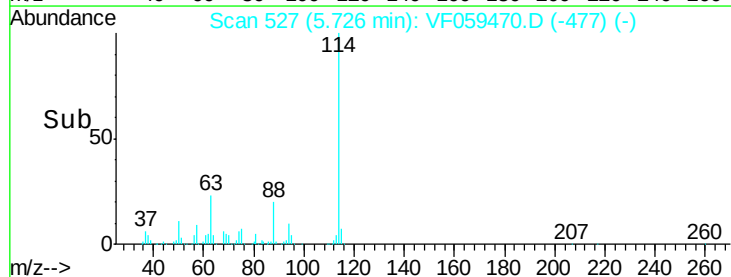
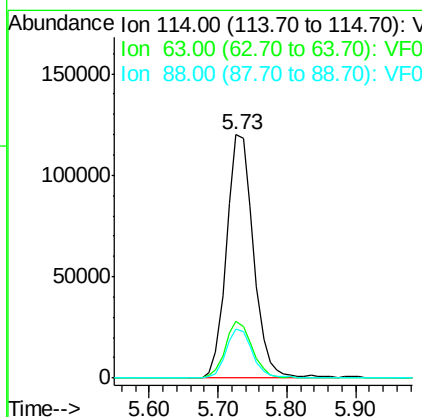
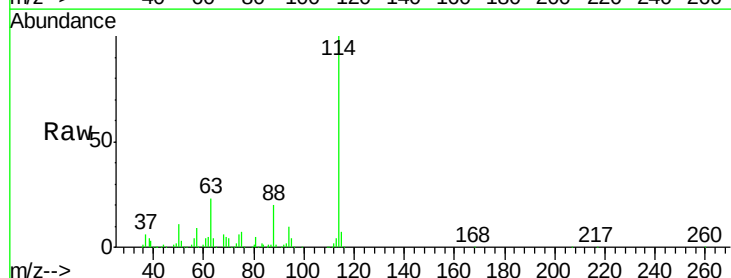
Manual Integrations
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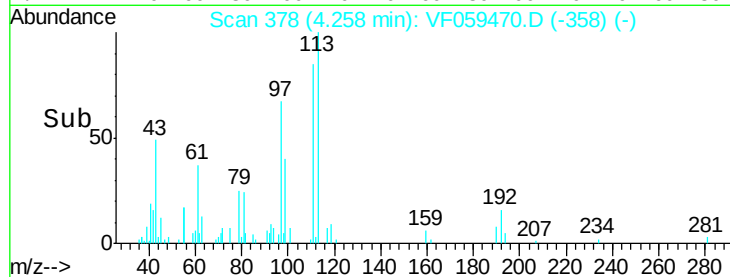
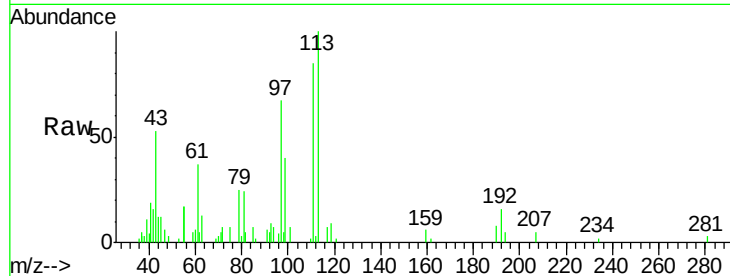
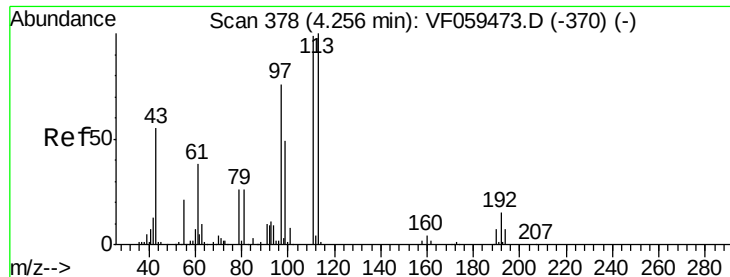
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.73 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VF059470.D
 Acq: 7 Jul 2018 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	326324		
63	23.3	0.0	47.2	
88	20.1	0.0	38.0	





#35

Dibromofluoromethane

Concen: 6.75 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF059470.D

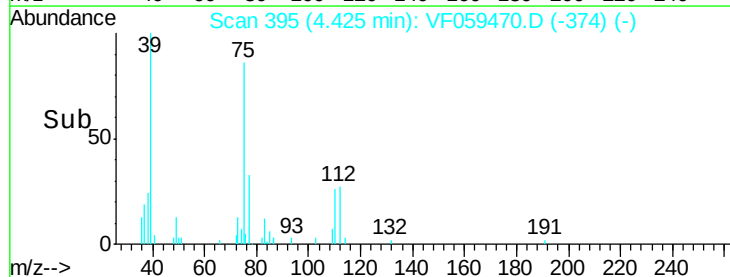
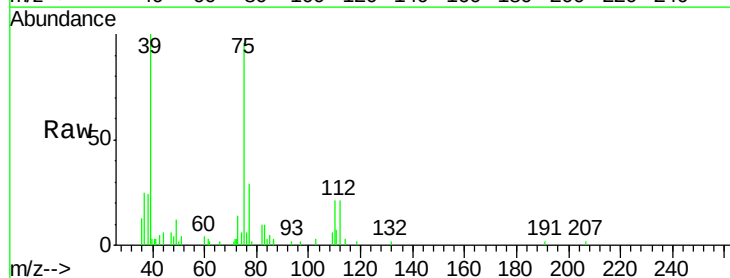
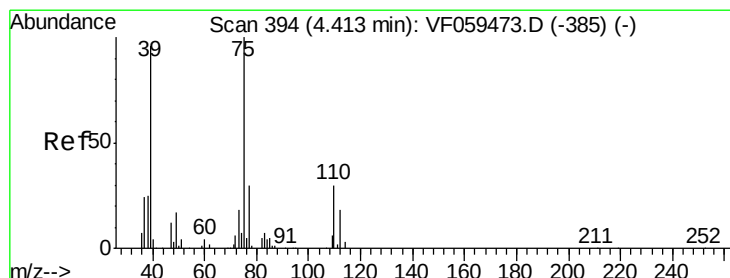
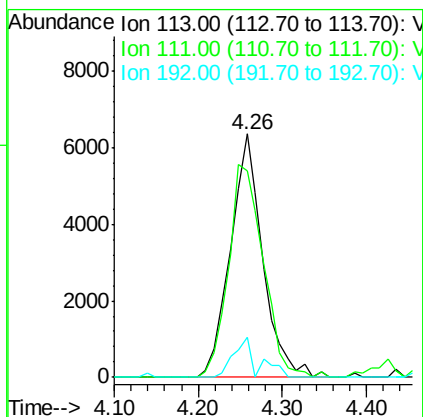
Acq: 7 Jul 2018 2:05

Tot Ion:	113	Resp:	16984
Ion	Ratio	Lower	Upper
113	100		
111	84.6	79.3	118.9
192	16.4	12.0	18.0

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 5.76 ug/l

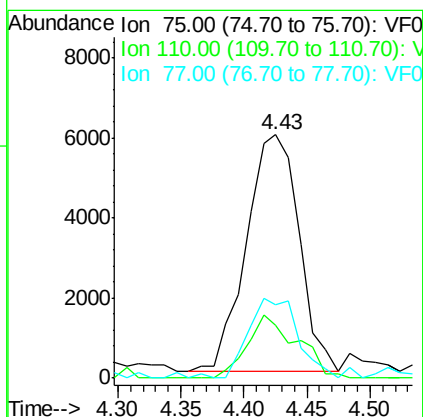
RT: 4.43 min Scan# 395

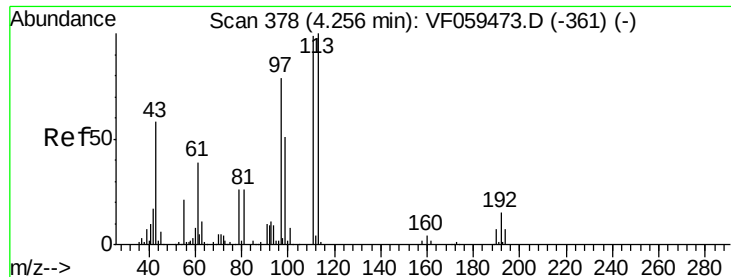
Delta R.T. 0.01 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Tgt Ion:	75	Resp:	17161
Ion	Ratio	Lower	Upper
75	100		
110	21.7	15.2	45.5
77	30.2	24.2	36.2





#37

Ethyl Acetate

Concen: 5.36 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Instrument :

MSVOA_F

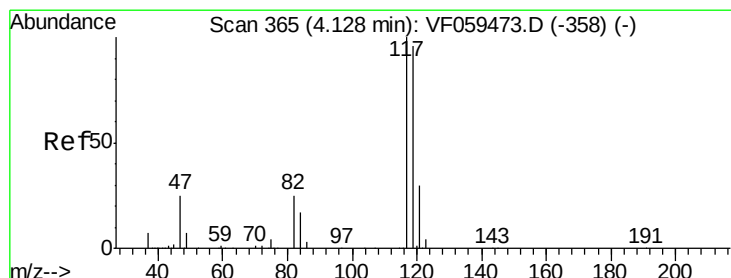
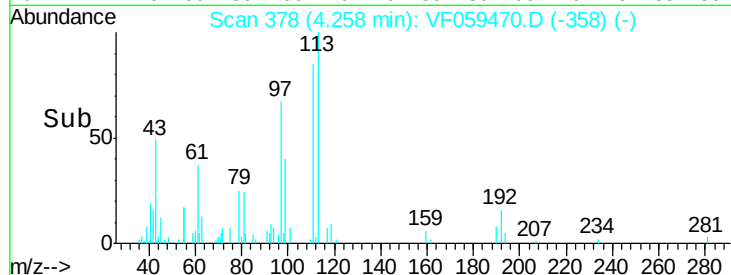
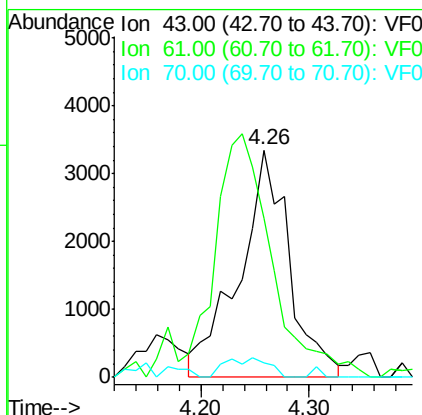
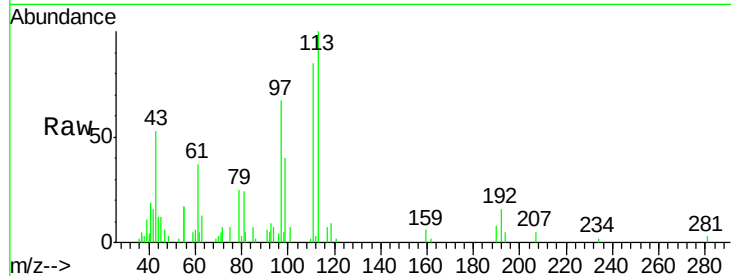
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	10797
Ion	Ratio	Lower	Upper
43	100		
61	69.9	54.2	81.4
70	6.1	7.0	10.6#

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#38

Carbon Tetrachloride

Concen: 7.26 ug/l

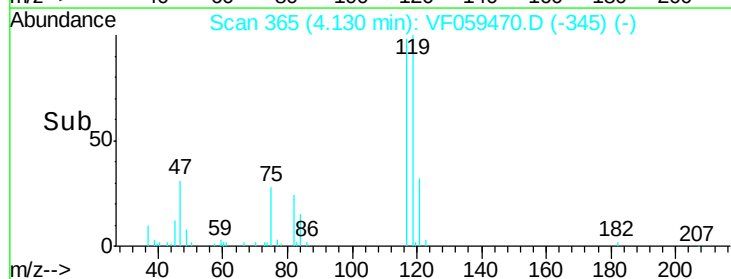
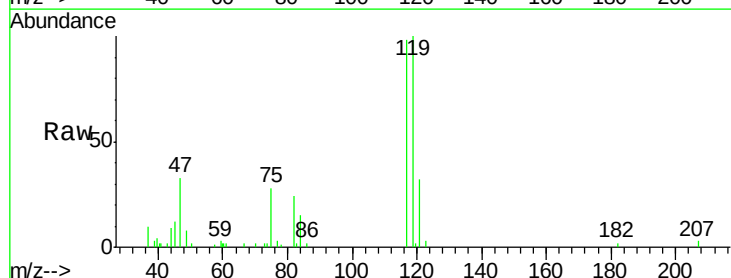
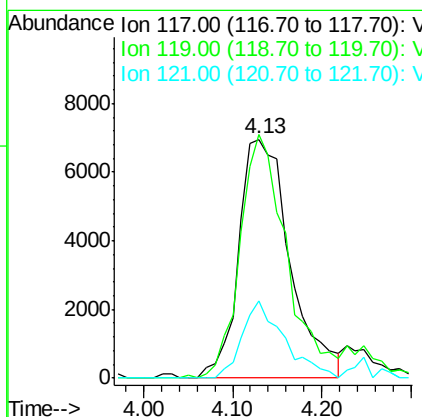
RT: 4.13 min Scan# 365

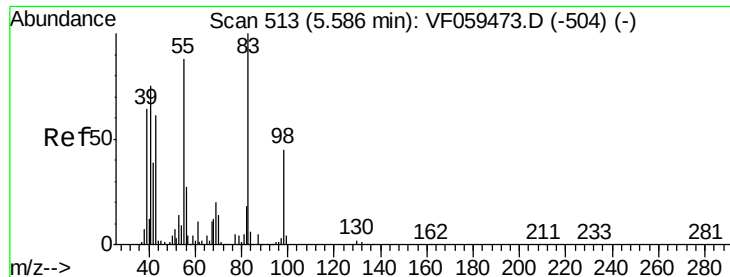
Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Tgt Ion:	117	Resp:	27832
Ion	Ratio	Lower	Upper
117	100		
119	102.1	76.5	114.7
121	32.4	23.6	35.4





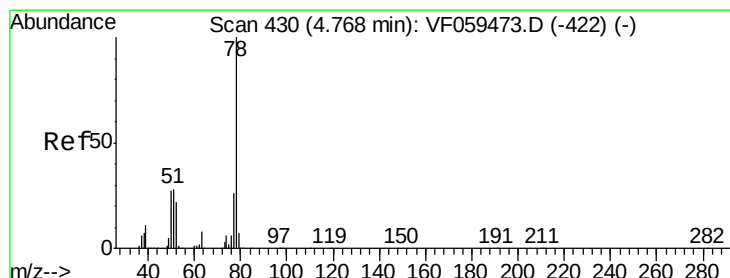
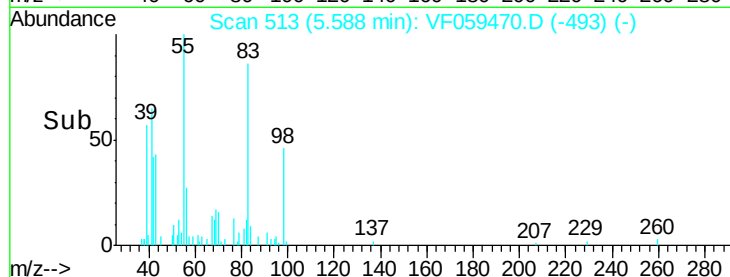
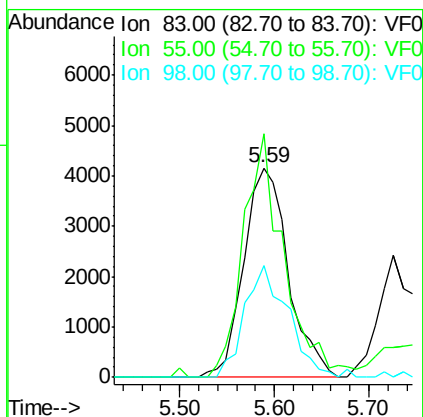
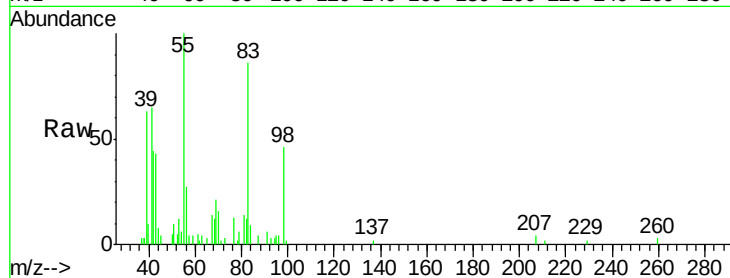
#39
Methylvlcyclohexane
Concen: 5.15 ug/l
RT: 5.59 min Scan# 513
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	116.2	70.6	105.8#
98	53.1	36.3	54.5

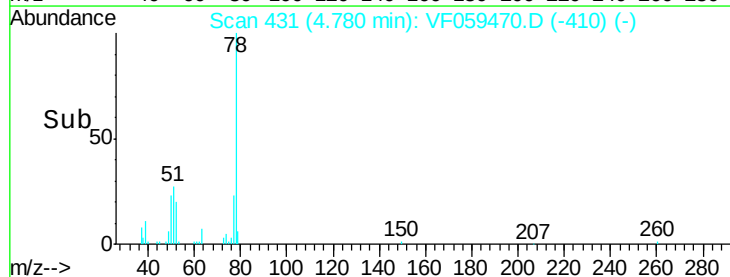
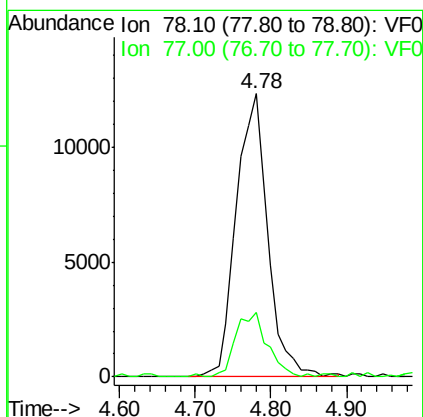
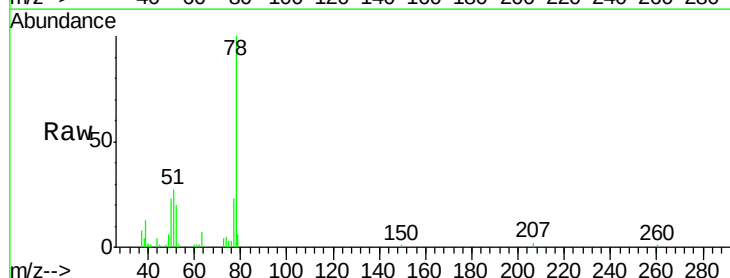
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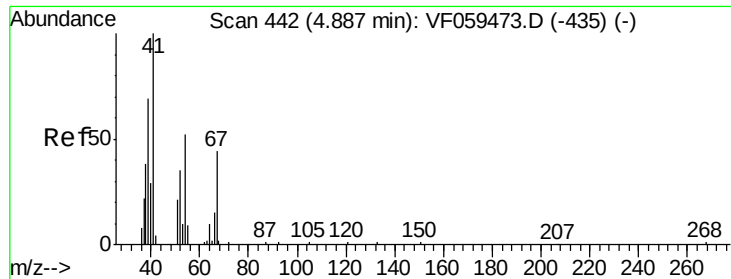
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#40
Benzene
Concen: 5.56 ug/l
RT: 4.78 min Scan# 431
Delta R.T. 0.01 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	20.8	31.2





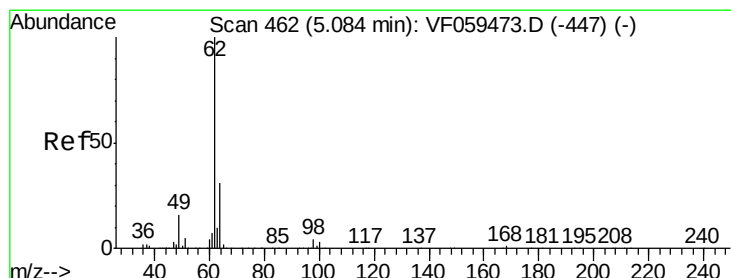
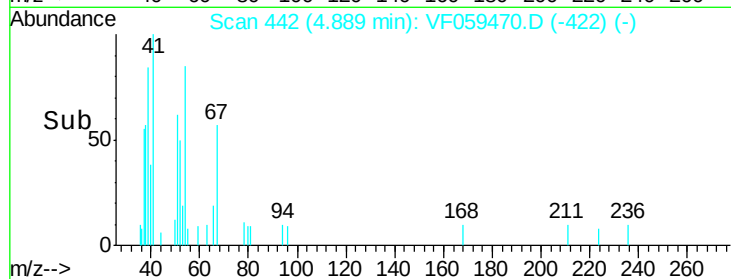
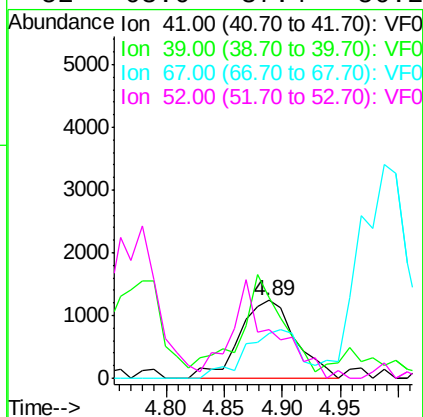
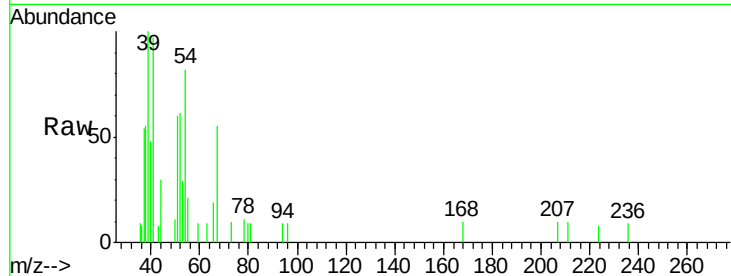
#41
Methacrylonitrile
Concen: 4.23 ug/l
RT: 4.89 min Scan# 442
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	103.5	61.7	92.5#
67	57.3	35.4	53.2#
52	63.0	37.4	56.2#

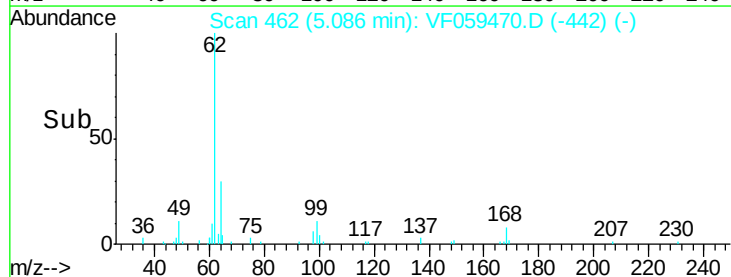
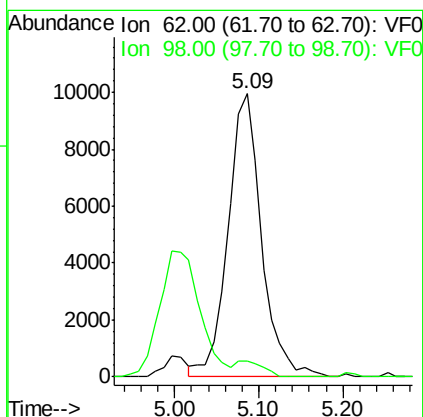
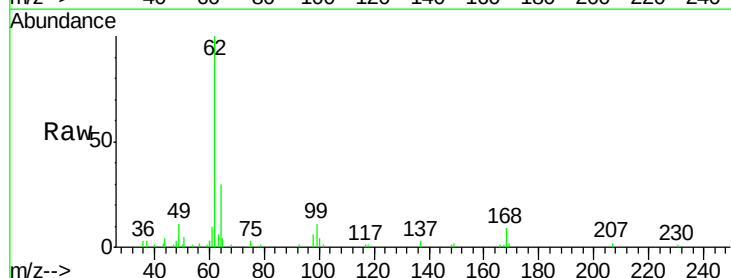
Manual Integrations
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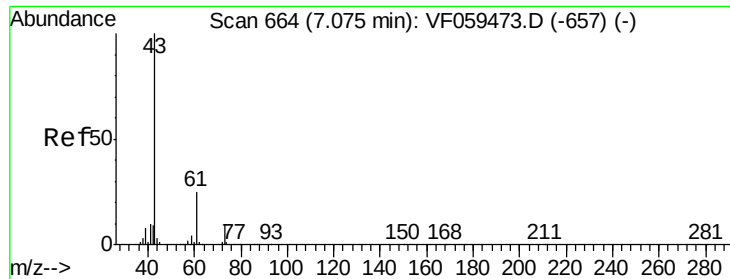
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#42
1,2-Dichloroethane
Concen: 7.04 ug/l
RT: 5.09 min Scan# 462
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.5	0.0	7.6





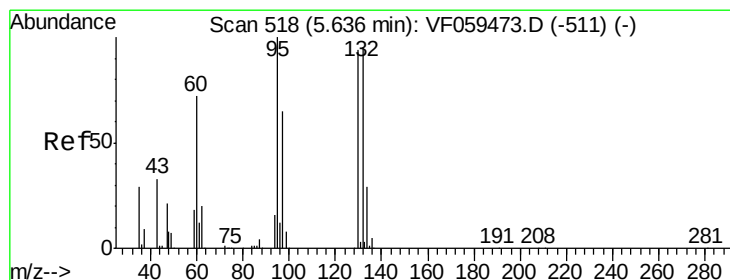
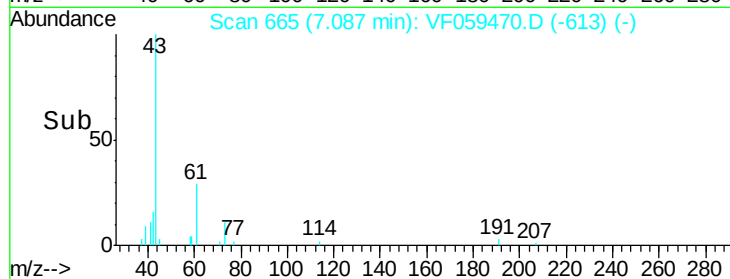
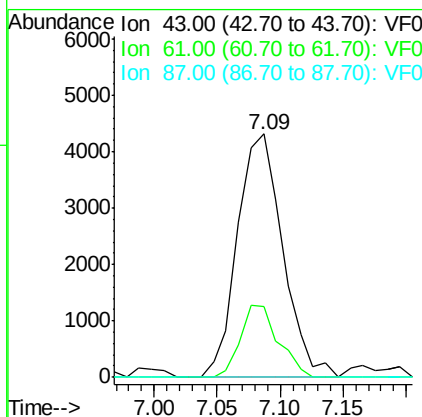
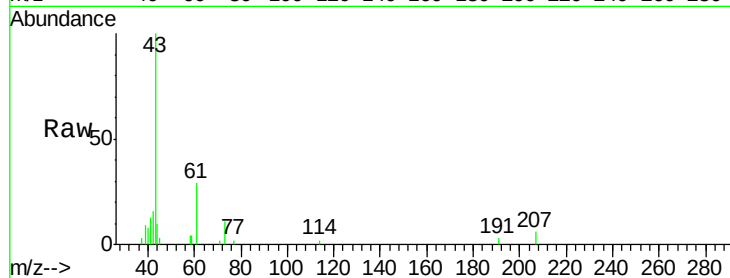
#43
Isopropyl Acetate
Concen: 4.56 ug/l
RT: 7.09 min Scan# 665
Delta R.T. 0.01 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	20.3	30.5
87	0.0	0.3	0.5

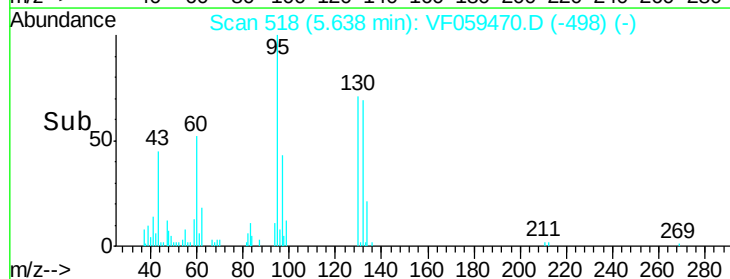
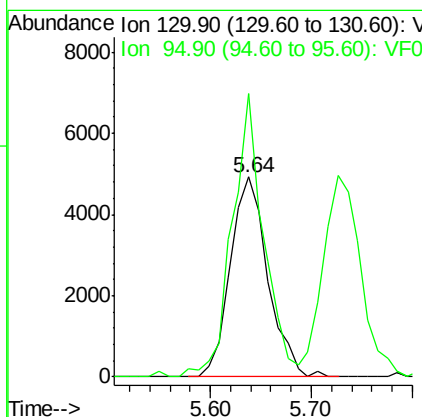
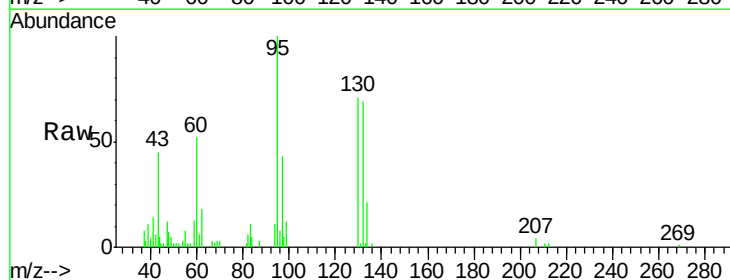
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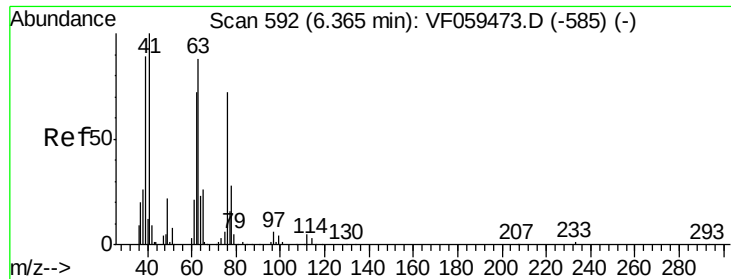
apatel
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#44
Trichloroethene
Concen: 5.65 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	141.6	0.0	214.6





#45

1,2-Dichloropropane

Concen: 5.80 ug/l

RT: 6.38 min Scan# 593

Delta R.T. 0.01 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Tot Ion: 63 Resp: 10576

Ion Ratio Lower Upper

63 100

65 28.6 23.5 35.3

Instrument :

MSVOA_F

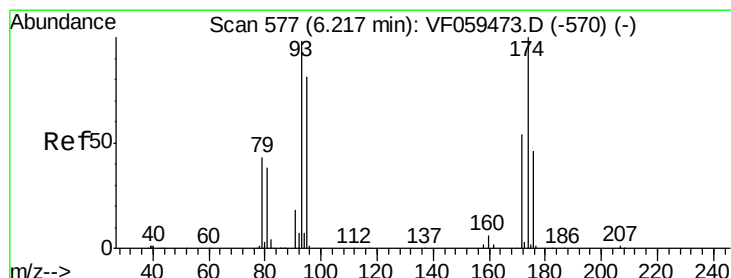
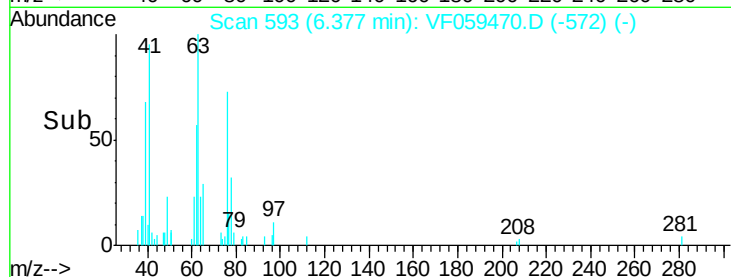
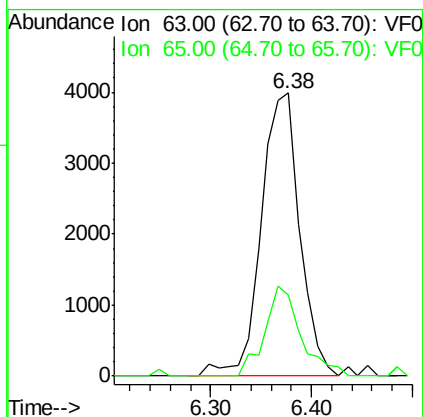
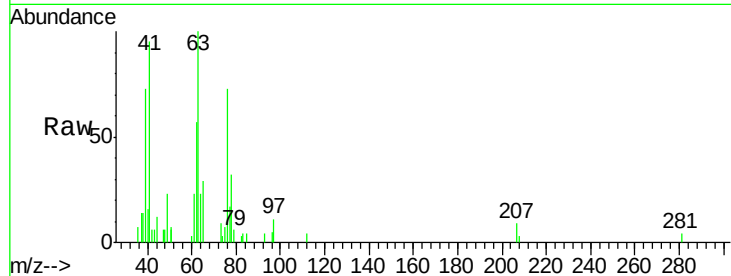
ClientSampleId :

VSTDIC005

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#46

Dibromomethane

Concen: 5.76 ug/l

RT: 6.22 min Scan# 577

Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

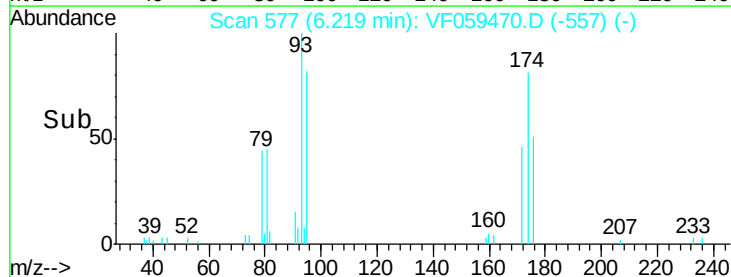
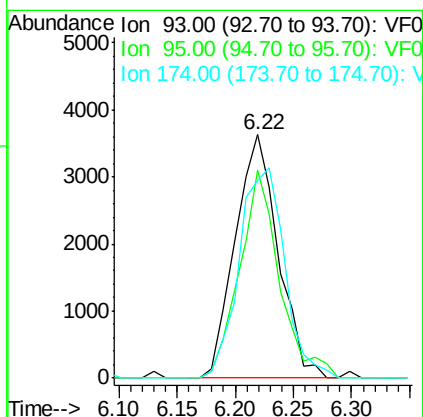
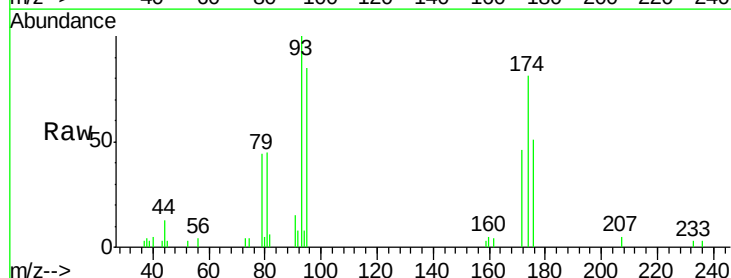
Tgt Ion: 93 Resp: 9262

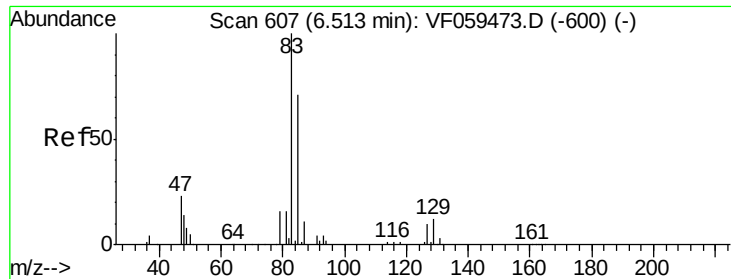
Ion Ratio Lower Upper

93 100

95 85.3 65.9 98.9

174 81.1 83.2 124.8#





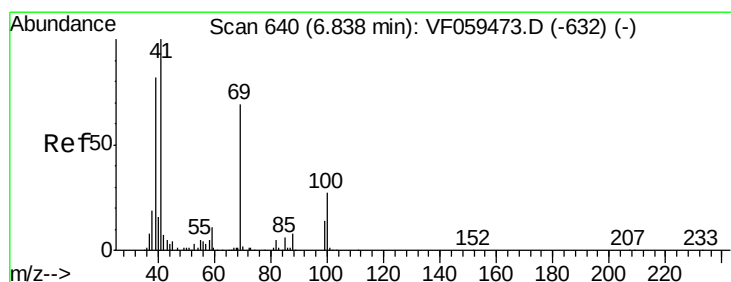
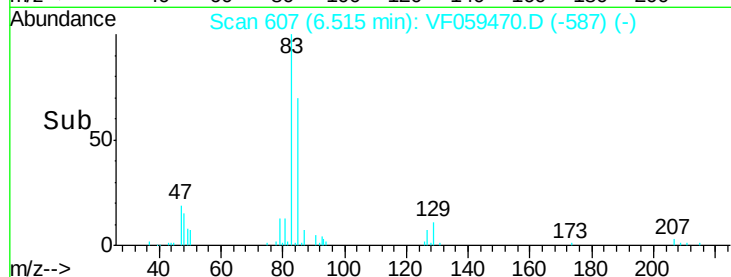
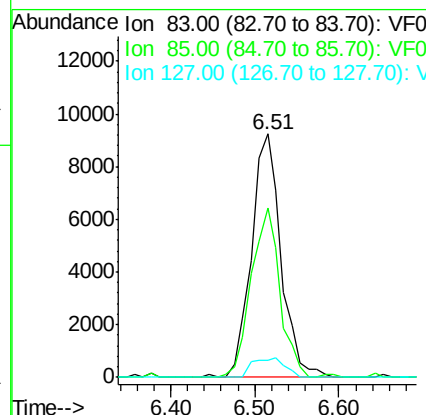
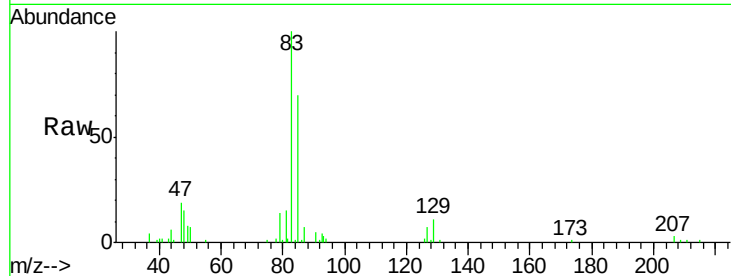
#47
Bromodichloromethane
Concen: 5.81 ug/l
RT: 6.51 min Scan# 607
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	22748
Ion Ratio	100	Lower	Upper
83	100		
85	69.6	56.6	84.8
127	6.9	8.1	12.1#

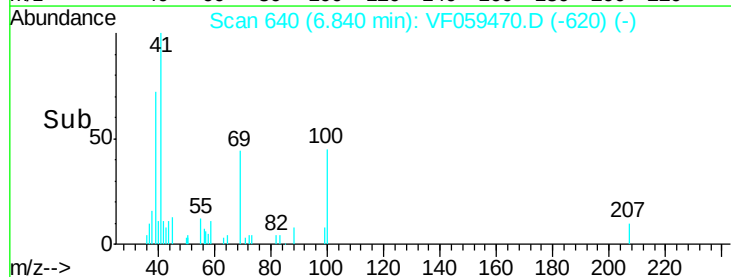
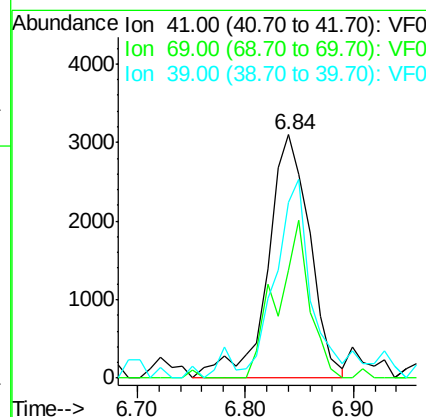
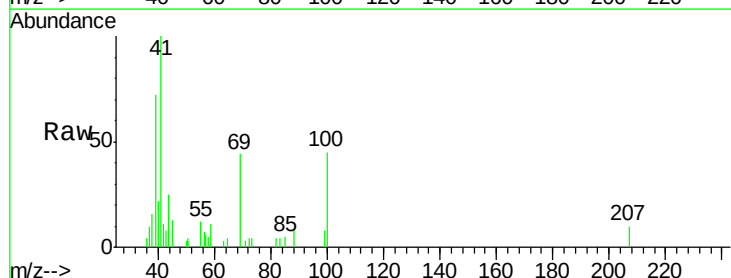
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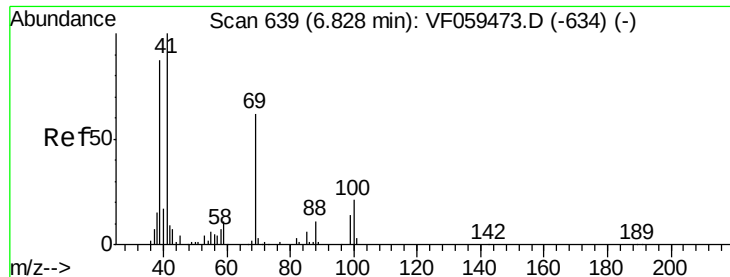
apatel
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#48
Methyl methacrylate
Concen: 5.23 ug/l
RT: 6.84 min Scan# 640
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Tgt Ion	41	Resp	8422
Ion Ratio	100	Lower	Upper
41	100		
69	44.5	55.6	83.4#
39	72.2	66.0	99.0





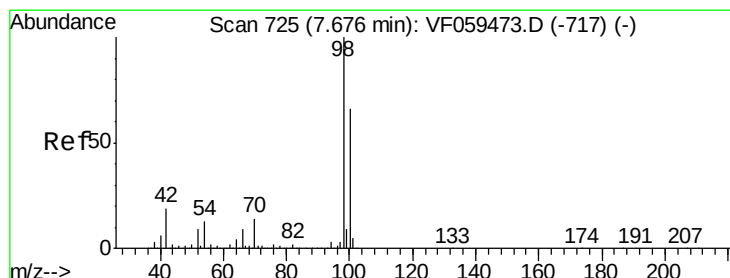
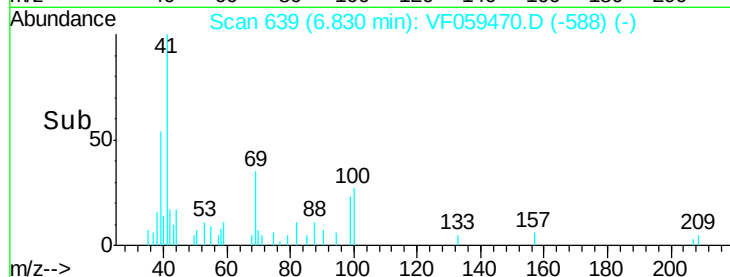
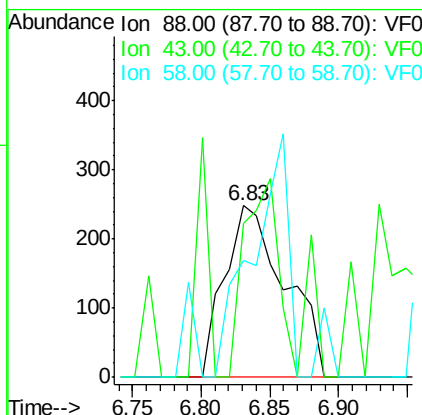
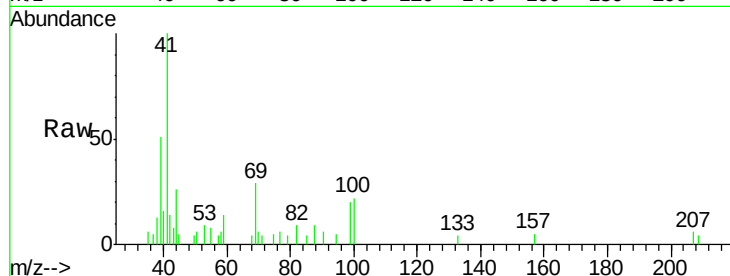
#49
1,4-Dioxane
Concen: 78.19 ug/l
RT: 6.83 min Scan# 639
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	89.5	57.3	85.9#
58	68.1	54.6	81.8

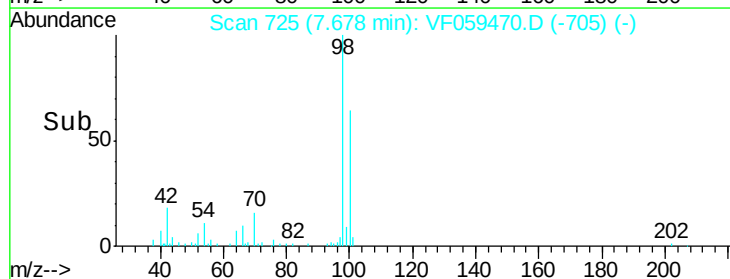
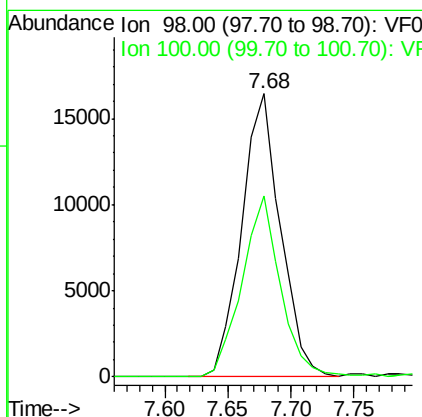
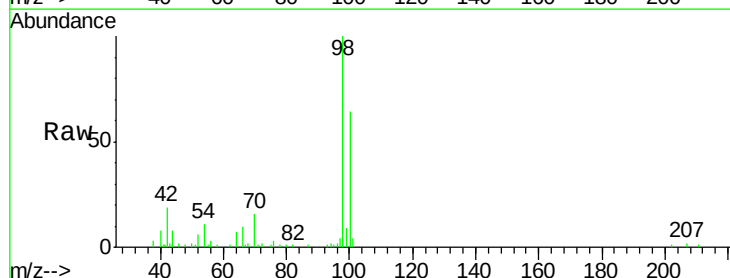
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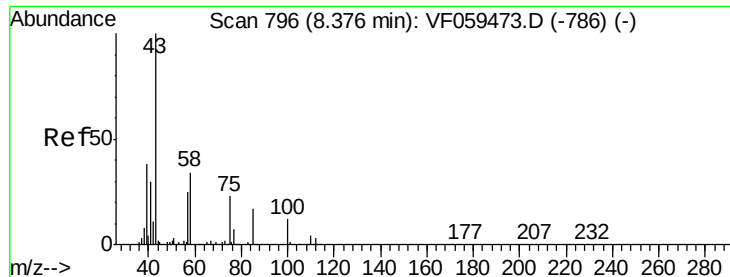
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#50
Toluene-d8
Concen: 5.69 ug/l
RT: 7.68 min Scan# 725
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 24.00 ug/l

RT: 8.37 min Scan# 795

Delta R.T. -0.01 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 42318

Ion Ratio Lower Upper

43 100

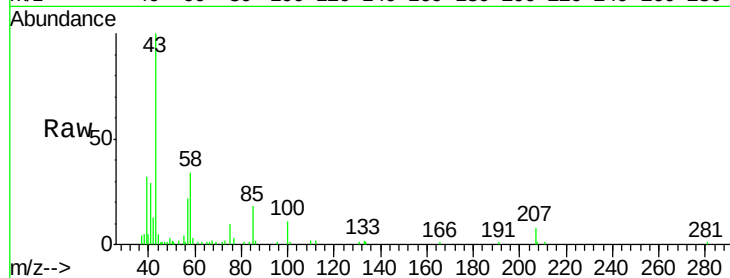
58 34.4 27.4 41.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

20000

15000

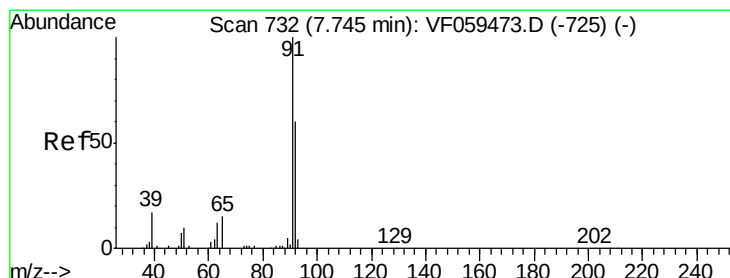
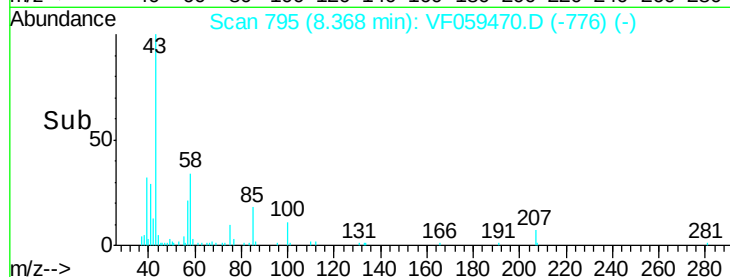
10000

5000

0

8.20 8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 5.26 ug/l

RT: 7.75 min Scan# 732

Delta R.T. 0.00 min

Lab File: VF059470.D

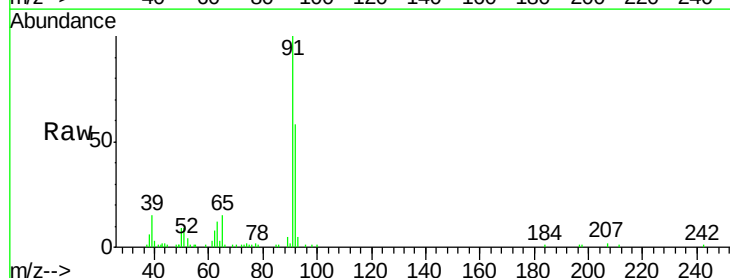
Acq: 7 Jul 2018 2:05

Tgt Ion: 92 Resp: 25410

Ion Ratio Lower Upper

92 100

91 171.6 134.3 201.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

20000

15000

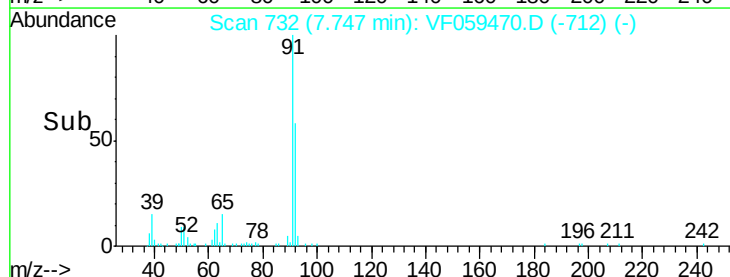
10000

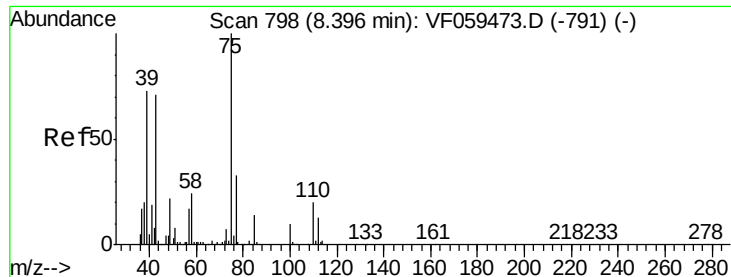
5000

0

7.70 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 5.68 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 20139

Ion Ratio Lower Upper

75 100

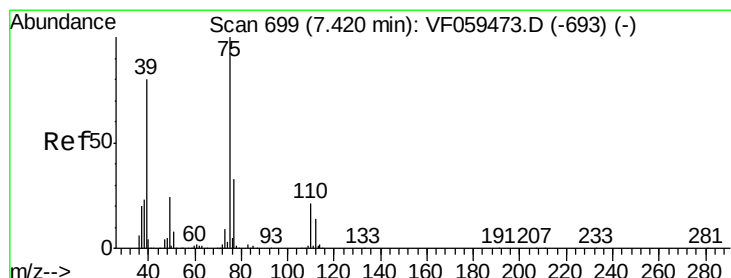
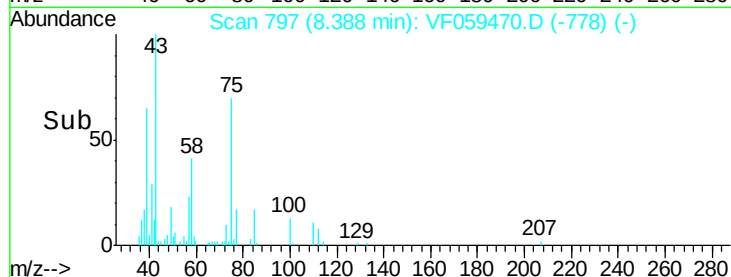
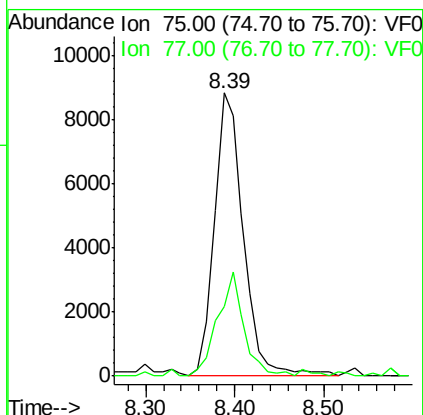
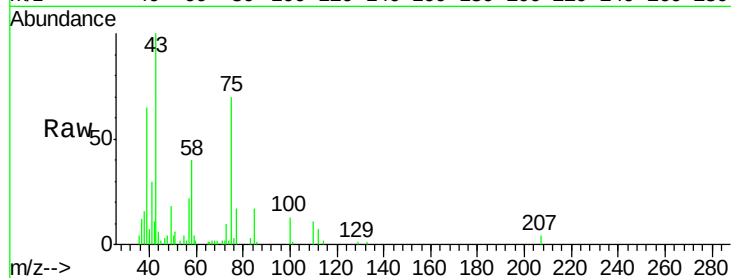
77 24.4 26.4 39.6#

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#54

cis-1,3-Dichloropropene

Concen: 4.89 ug/l

RT: 7.42 min Scan# 699

Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

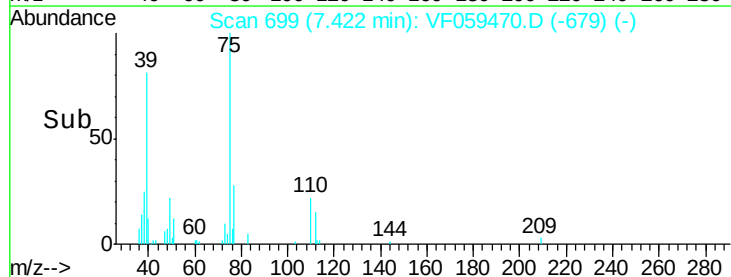
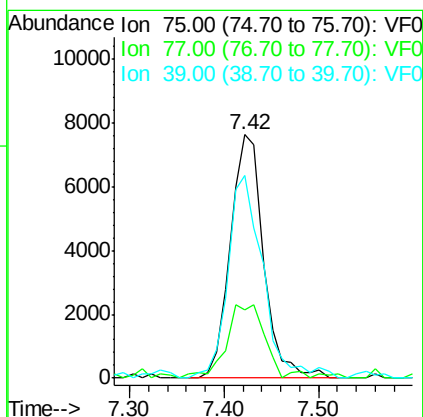
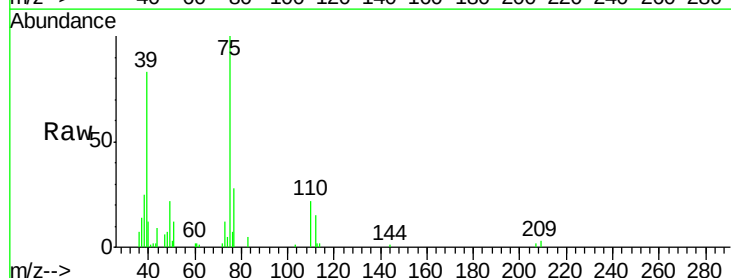
Tgt Ion: 75 Resp: 18549

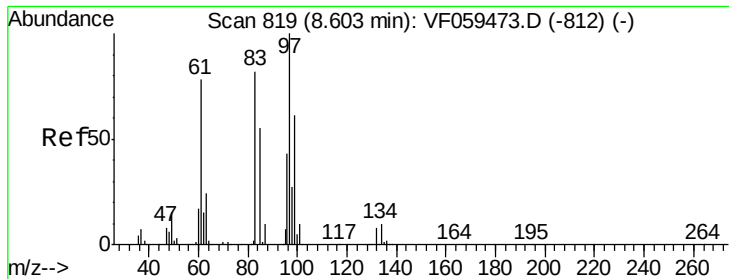
Ion Ratio Lower Upper

75 100

77 28.0 26.2 39.4

39 83.1 64.5 96.7





#55

1,1,2-Trichloroethane

Concen: 5.29 ug/l

RT: 8.60 min Scan# 819

Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Instrument :

MSVOA_F

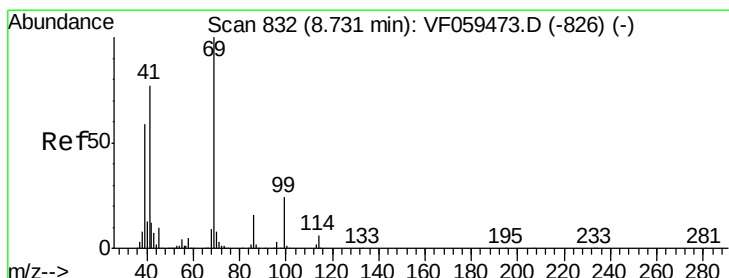
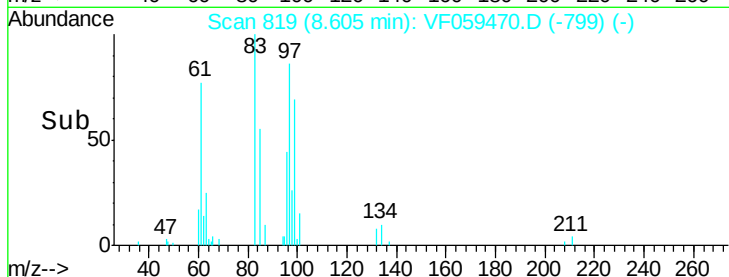
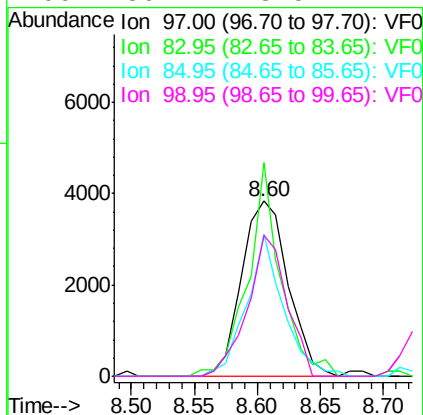
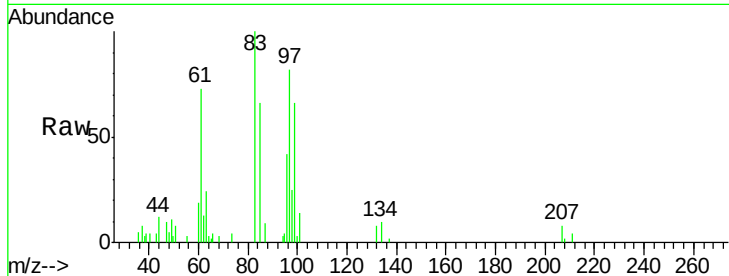
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	9860
Ion	Ratio	Lower	Upper
97	100		
83	122.0	65.7	98.5#
85	80.8	43.8	65.6#
99	80.7	48.5	72.7#

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#56

Ethyl methacrylate

Concen: 4.41 ug/l

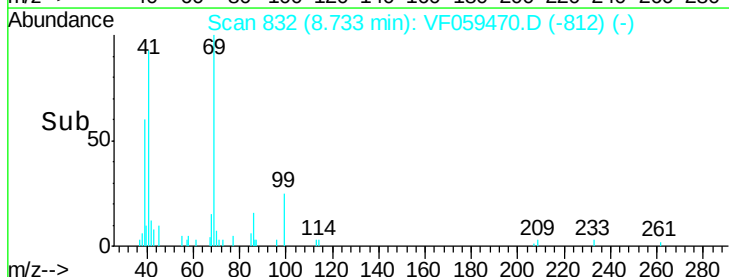
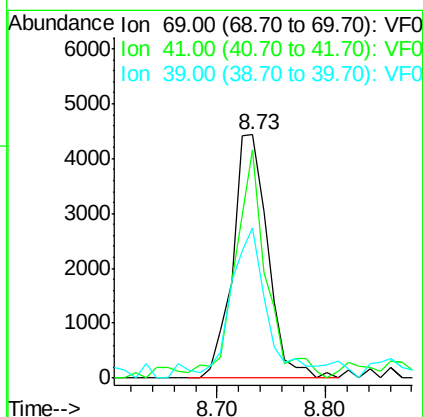
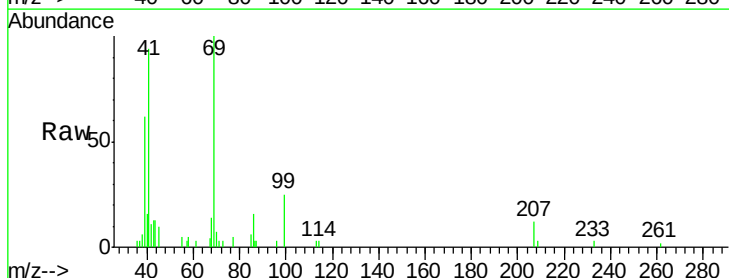
RT: 8.73 min Scan# 832

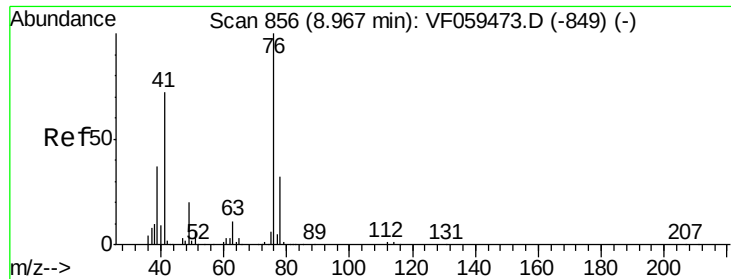
Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Tgt Ion:	69	Resp:	10013
Ion	Ratio	Lower	Upper
69	100		
41	93.9	62.2	93.4#
39	61.8	47.7	71.5





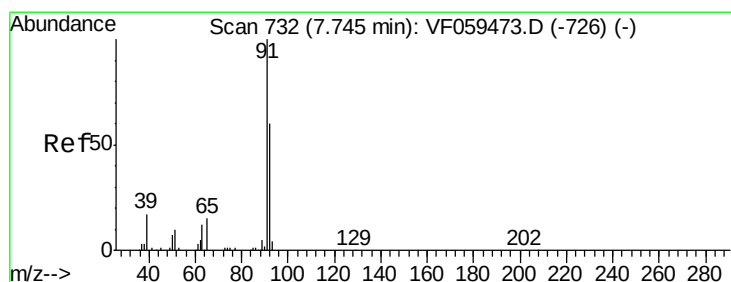
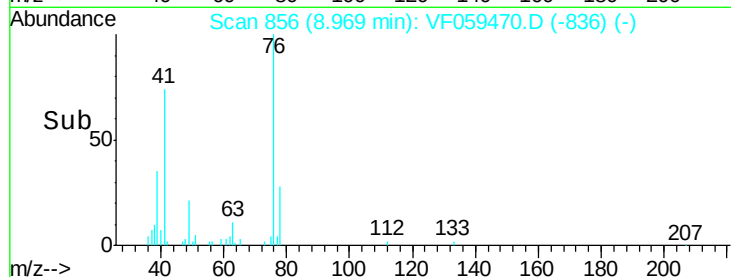
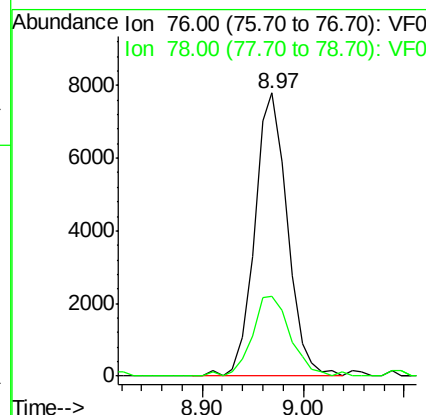
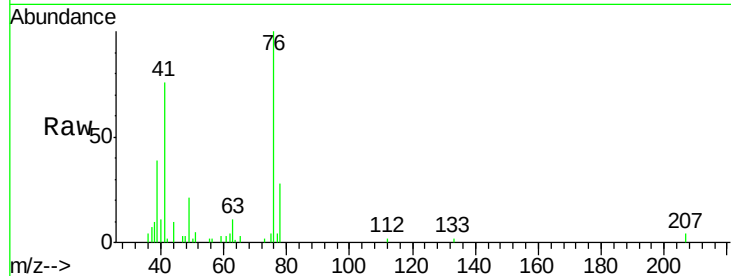
#57
 1,3-Dichloropropane
 Concen: 5.49 ug/l
 RT: 8.97 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VF059470.D
 Acq: 7 Jul 2018 2:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	28.1	25.2	37.8

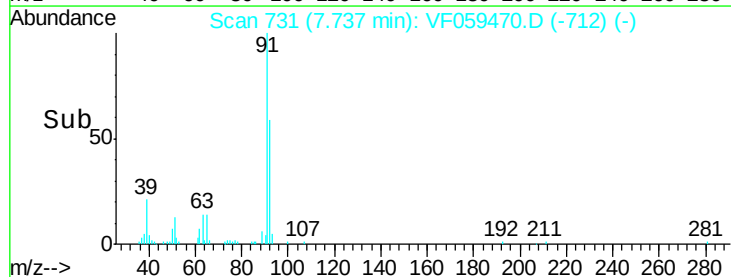
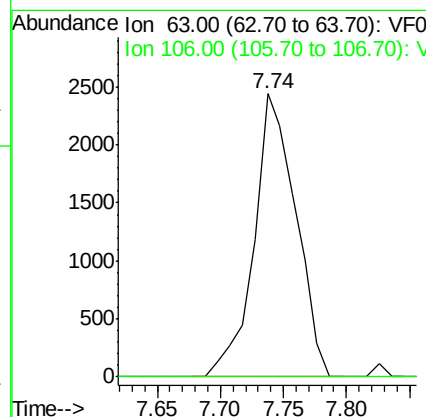
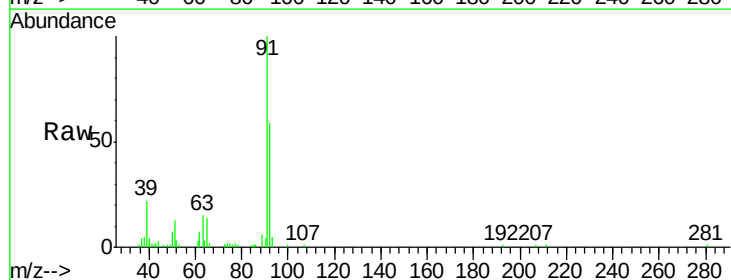
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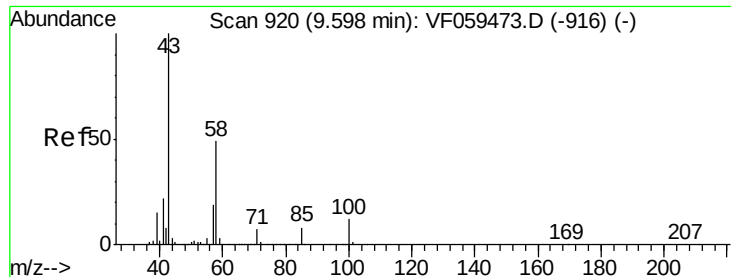
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 31.50 ug/l
 RT: 7.74 min Scan# 731
 Delta R.T. -0.01 min
 Lab File: VF059470.D
 Acq: 7 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





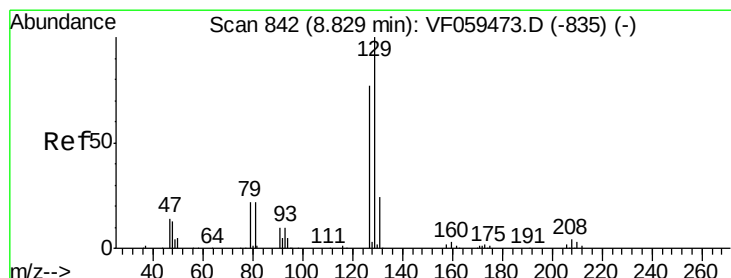
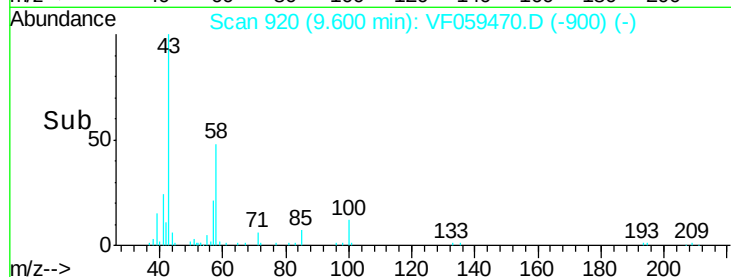
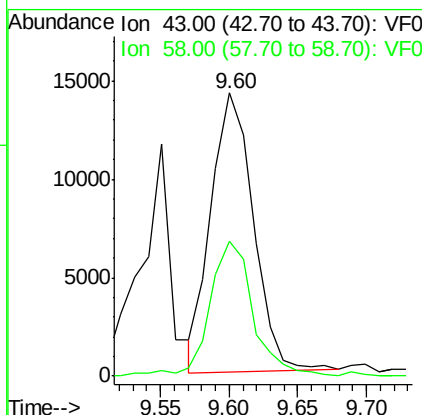
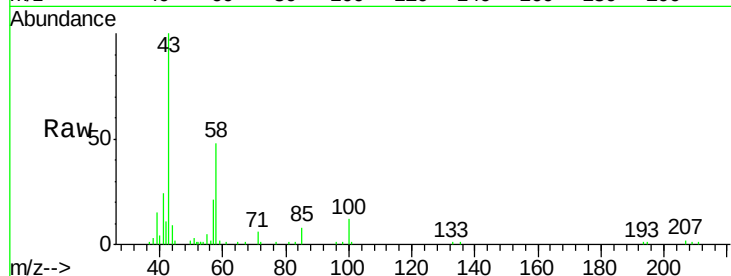
#59
2-Hexanone
Concen: 20.82 ug/l
RT: 9.60 min Scan# 920
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 30272
Ion Ratio Lower Upper
43 100
58 47.6 22.4 67.2

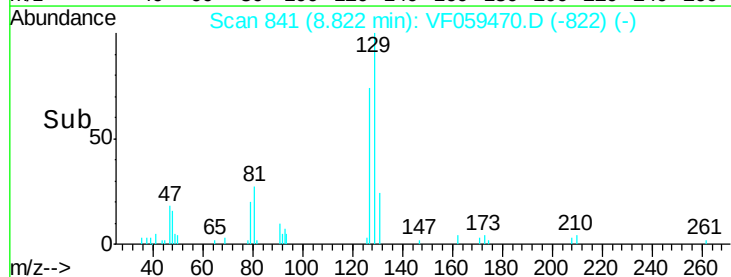
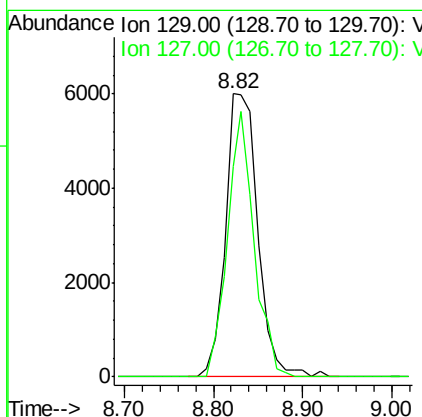
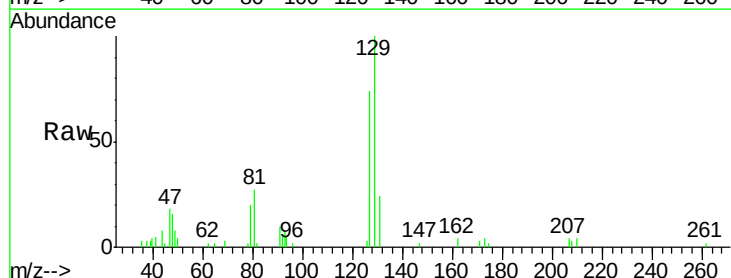
Manual Integrations
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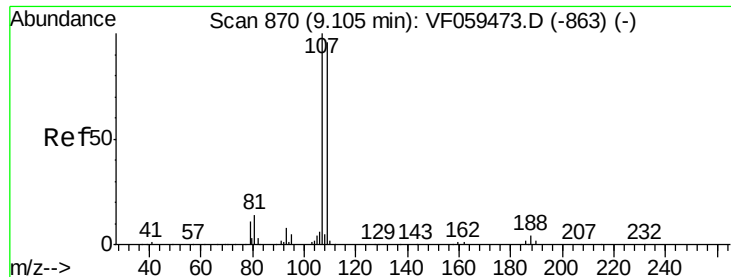
apatel
7/9/2018 9:34:09 AM



#60
Dibromochloromethane
Concen: 5.25 ug/l
RT: 8.82 min Scan# 841
Delta R.T. -0.01 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Tgt Ion: 129 Resp: 15255
Ion Ratio Lower Upper
129 100
127 74.1 38.8 116.3





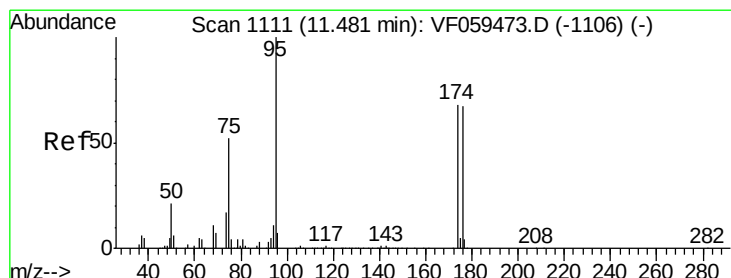
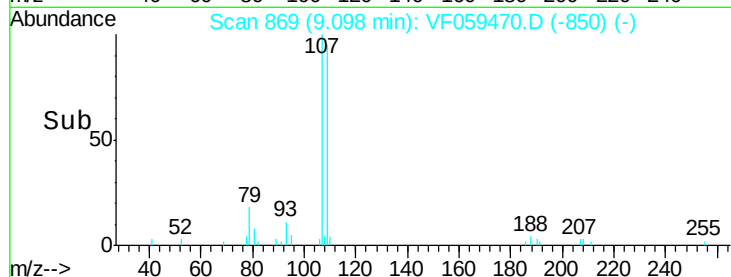
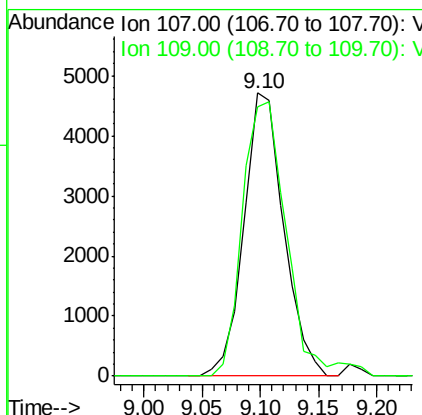
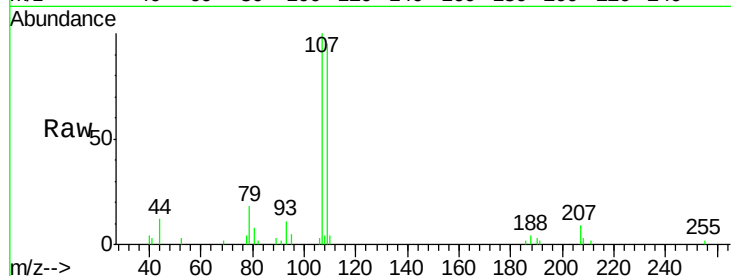
#61
 1,2-Dibromoethane
 Concen: 4.93 ug/l
 RT: 9.10 min Scan# 869
 Delta R.T. -0.01 min
 Lab File: VF059470.D
 Acq: 7 Jul 2018 2:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.7	115.1

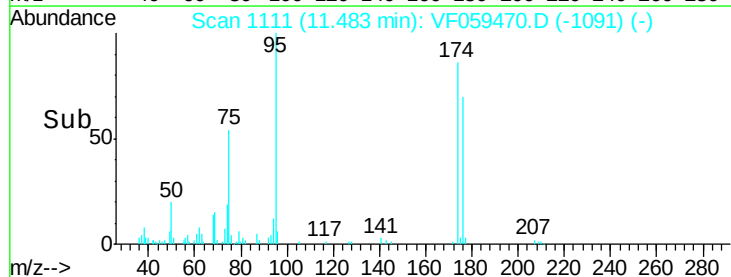
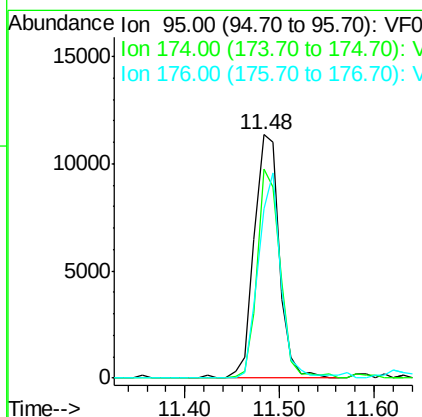
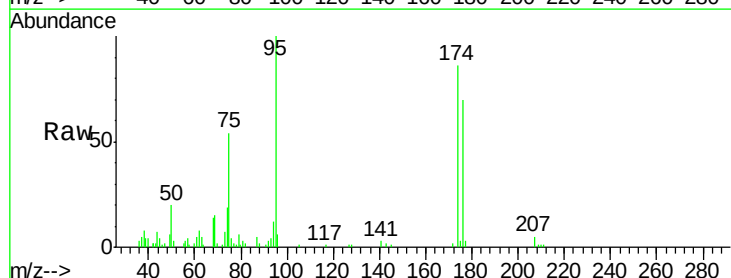
Manual Integrations
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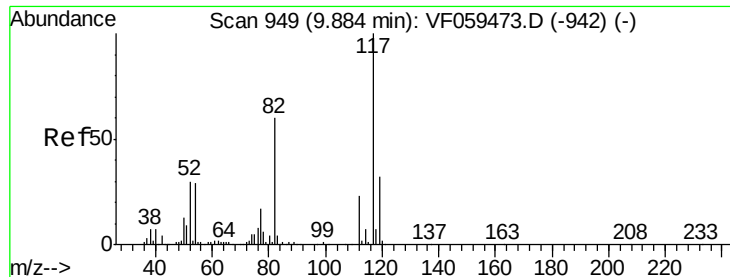
apatel
 7/9/2018 9:34:09 AM



#62
 4-Bromofluorobenzene
 Concen: 6.01 ug/l
 RT: 11.48 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VF059470.D
 Acq: 7 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.0	0.0	137.0
176	69.7	0.0	133.8





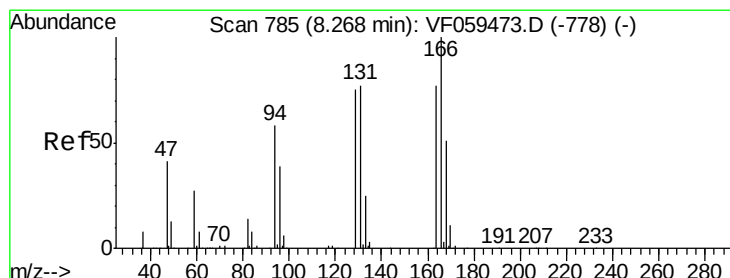
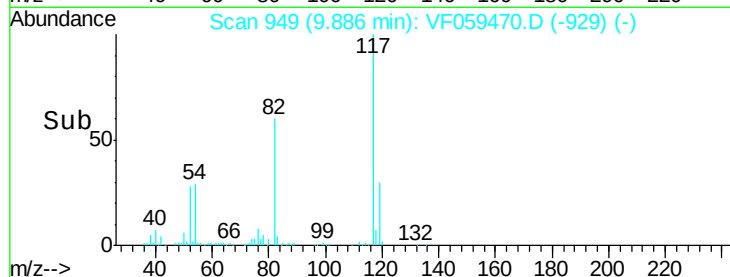
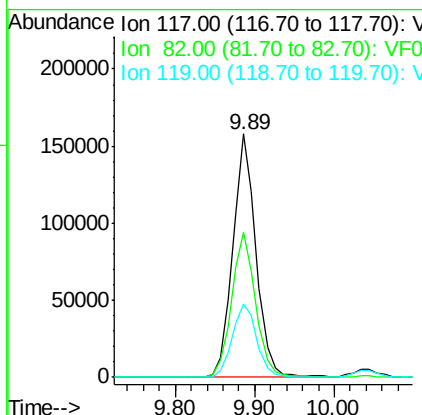
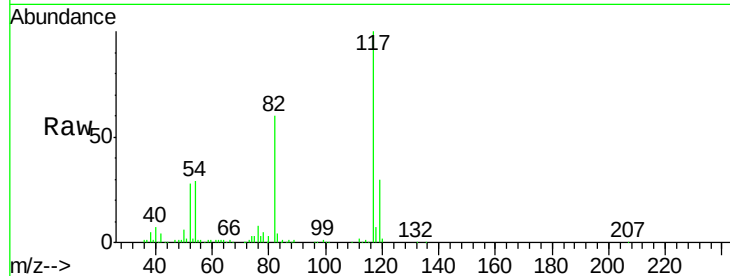
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.89 min Scan# 949
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.8	48.2	72.4
119	30.0	25.7	38.5

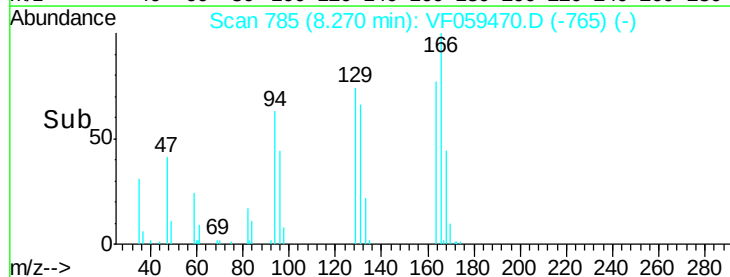
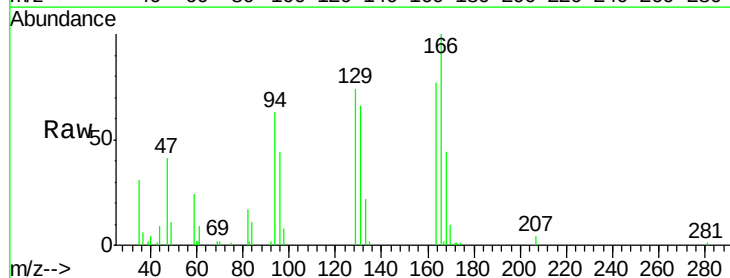
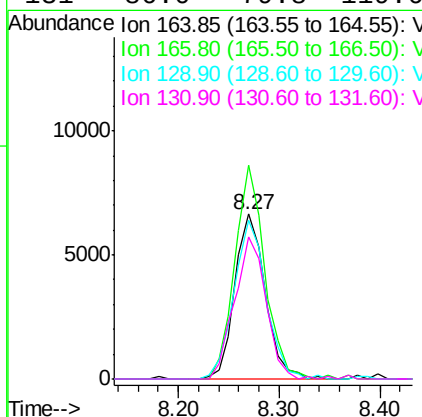
Manual Integrations
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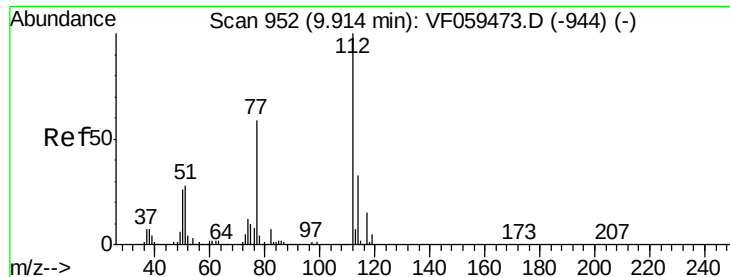
apatel
7/9/2018 9:34:09 AM



#64
Tetrachloroethene
Concen: 6.35 ug/l
RT: 8.27 min Scan# 785
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.5	155.3
129	96.0	77.6	116.4
131	86.0	79.8	119.6





#65

Chlorobenzene

Concen: 5.44 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.01 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 33101

Ion Ratio Lower Upper

112 100

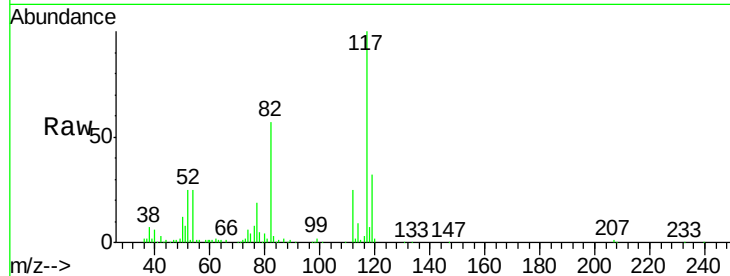
114 34.5 26.2 39.2

Manual Integrations

APPROVED

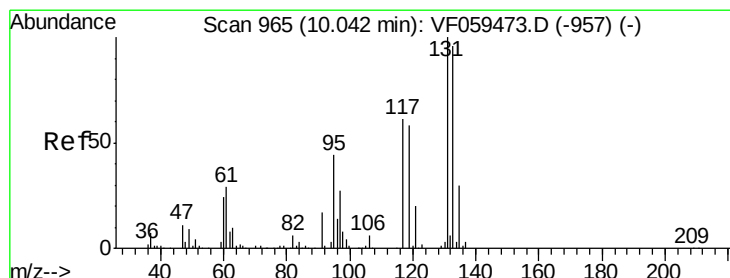
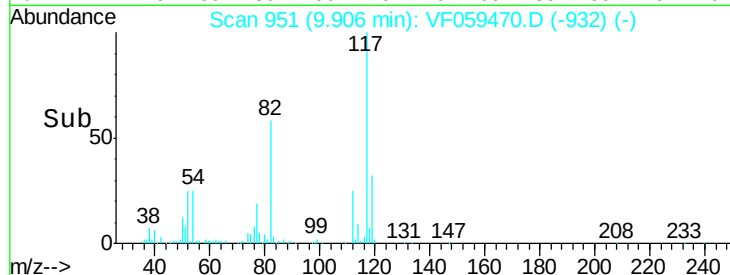
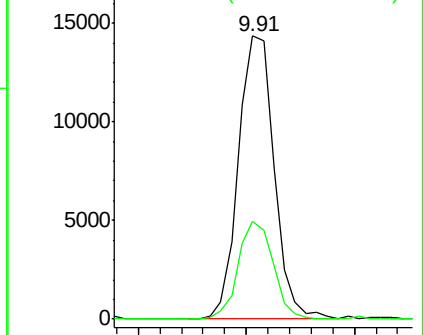
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.99 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

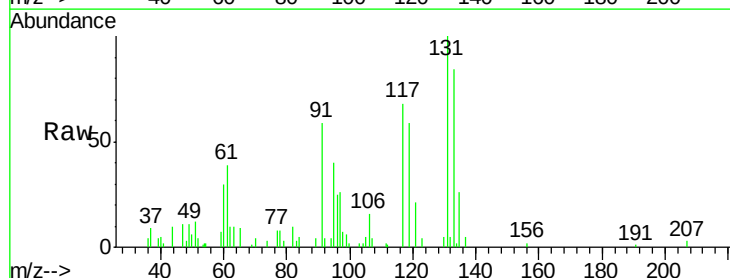
Tgt Ion:131 Resp: 15885

Ion Ratio Lower Upper

131 100

133 80.2 48.1 144.3

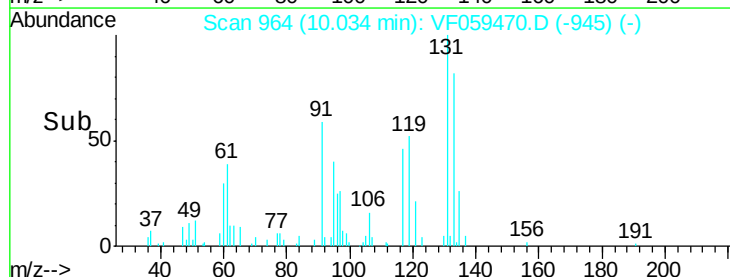
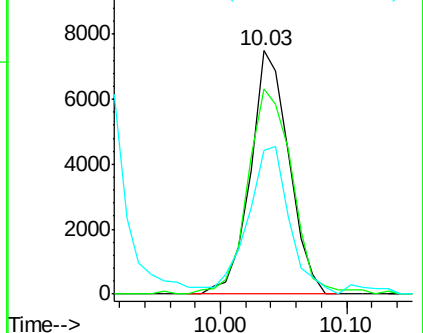
119 56.4 29.3 87.8

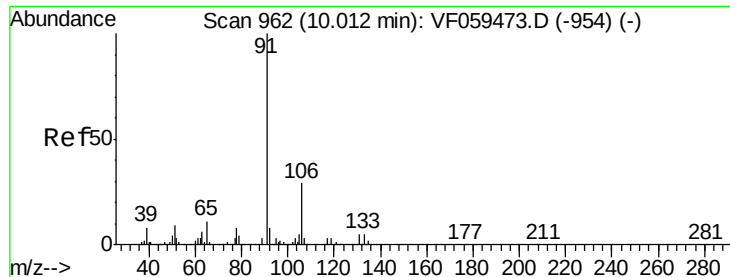


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





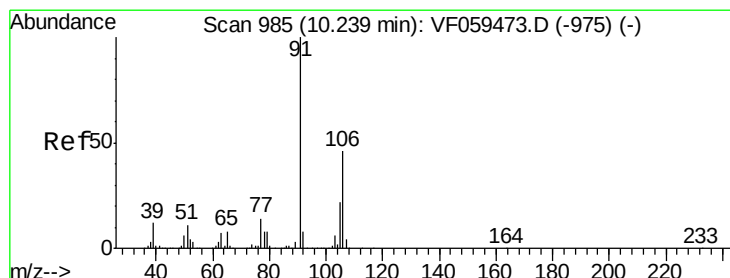
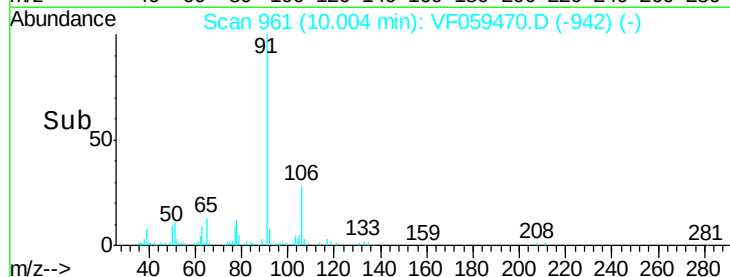
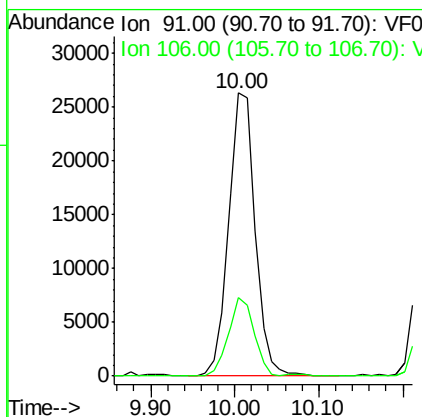
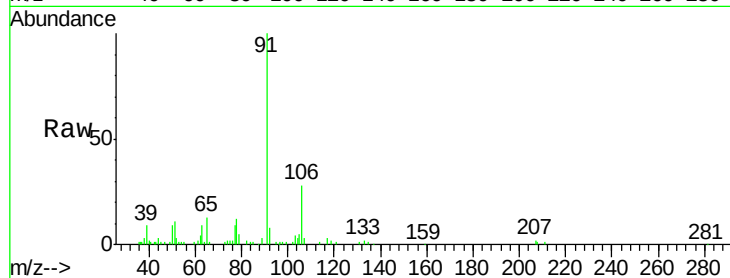
#67
Ethyl Benzene
Concen: 5.57 ug/l
RT: 10.00 min Scan# 961
Delta R.T. -0.01 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 57702
Ion Ratio Lower Upper
91 100
106 27.6 23.0 34.6

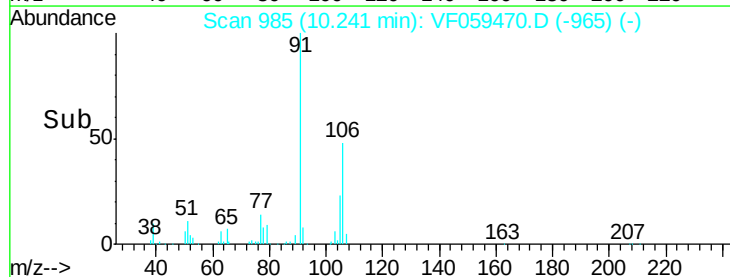
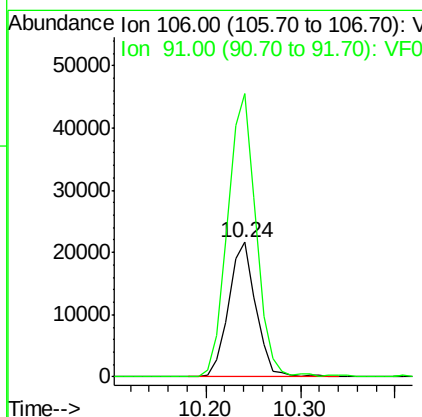
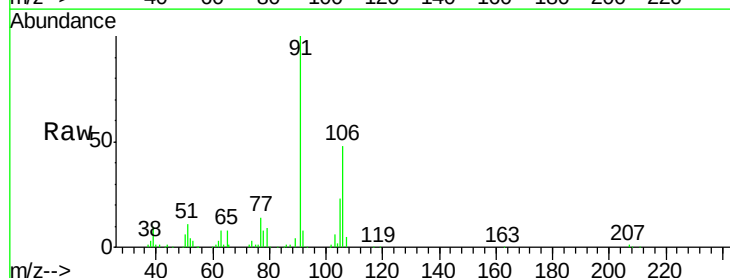
Manual Integrations
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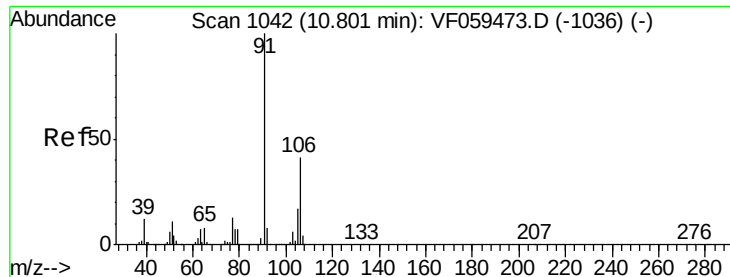
apatel
7/9/2018 9:34:09 AM



#68
m/p-Xylenes
Concen: 11.82 ug/l
RT: 10.24 min Scan# 985
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Tgt Ion: 106 Resp: 43261
Ion Ratio Lower Upper
106 100
91 210.5 173.5 260.3





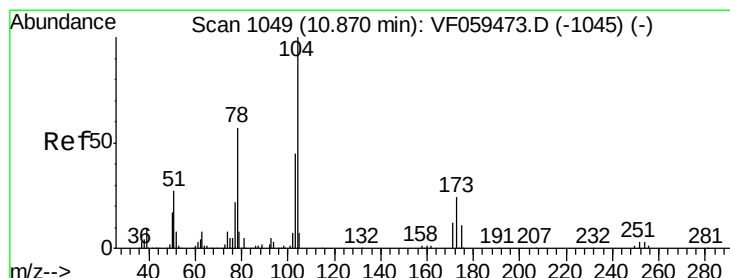
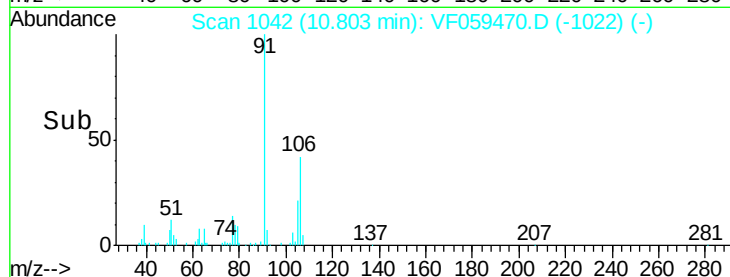
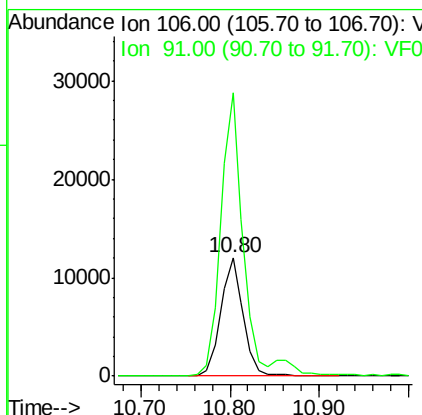
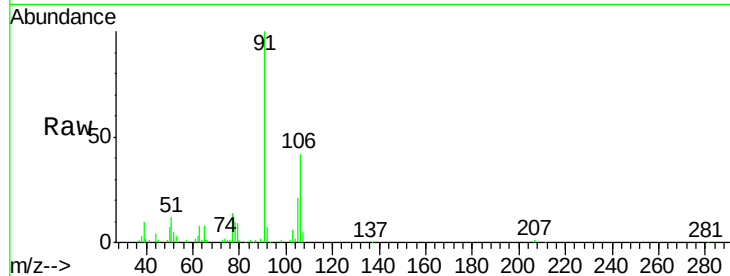
#69
o-Xylene
Concen: 5.25 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		21429		
91	239.3	121.8	365.3		

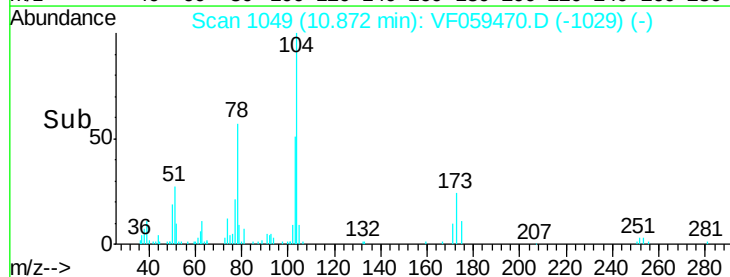
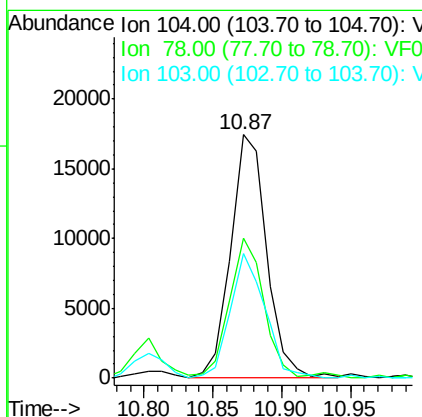
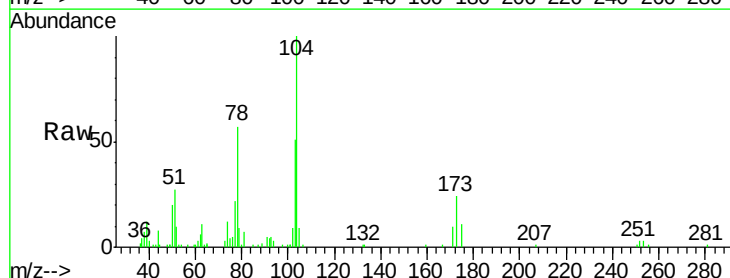
Manual Integrations
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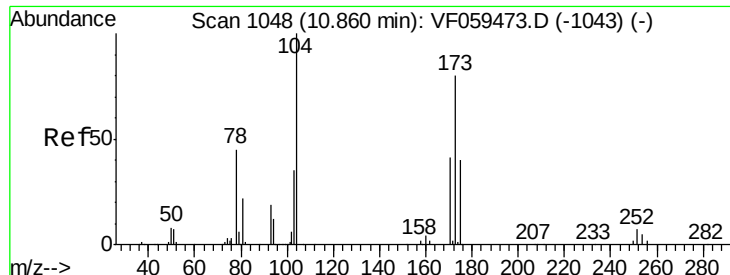
apatel
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#70
Styrene
Concen: 5.11 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		31826		
78	57.2	46.2	69.2		
103	51.3	36.8	55.2		





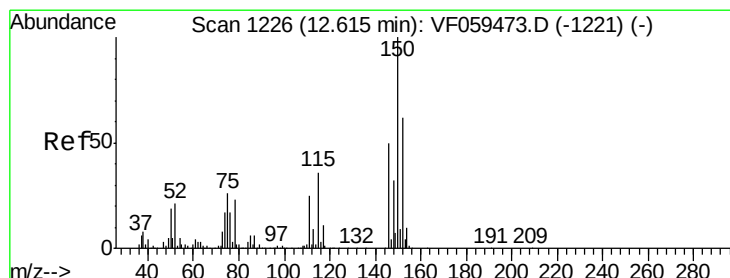
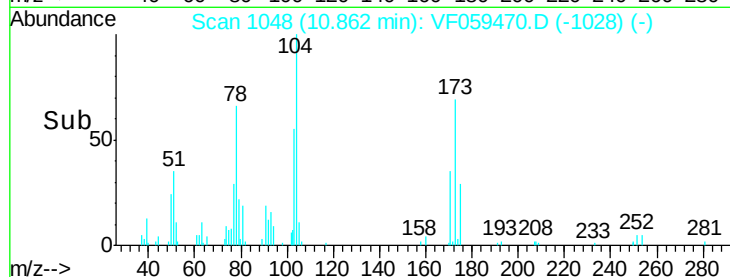
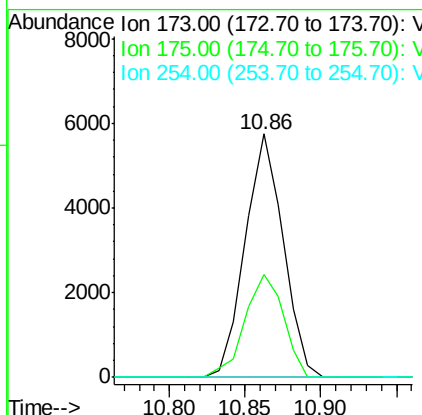
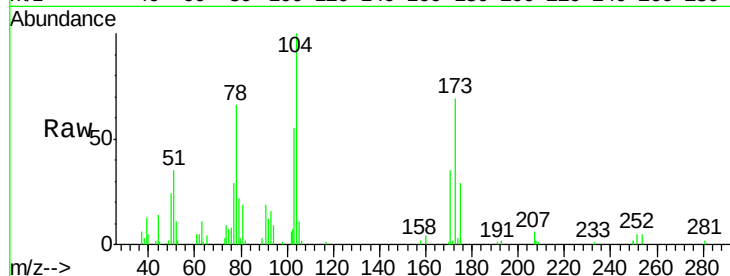
#71
Bromoform
Concen: 5.58 ug/l
RT: 10.86 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	42.3	24.9	74.8
254	0.0	0.0	0.0

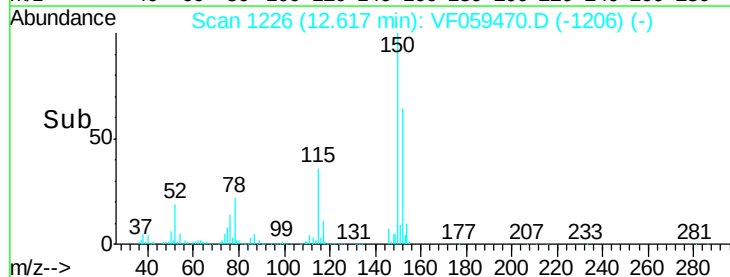
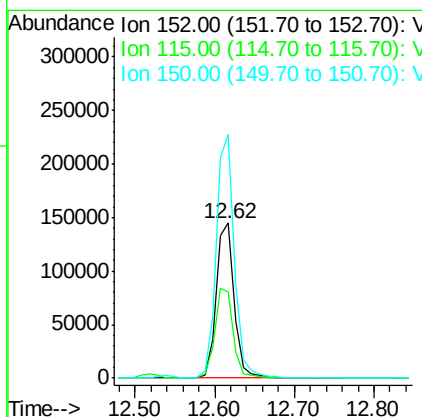
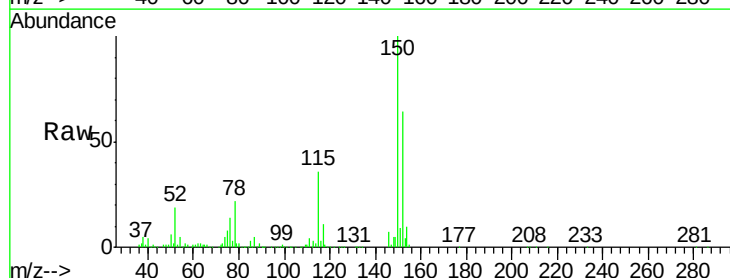
Manual Integrations
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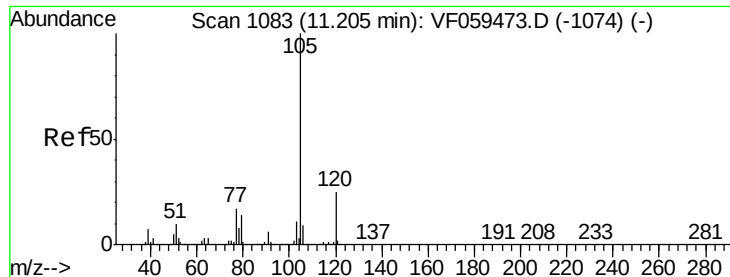
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.7	86.3
150	156.9	0.0	323.8





#73

Isopropylbenzene

Concen: 4.67 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 64401

Ion Ratio Lower Upper

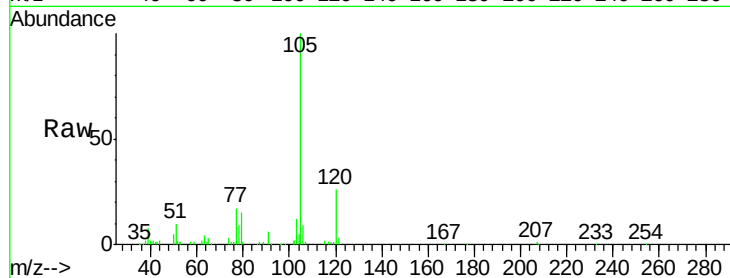
105 100

120 25.8 12.4 37.2

Manual Integrations
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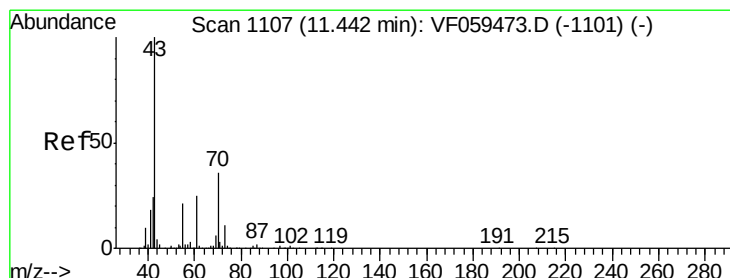
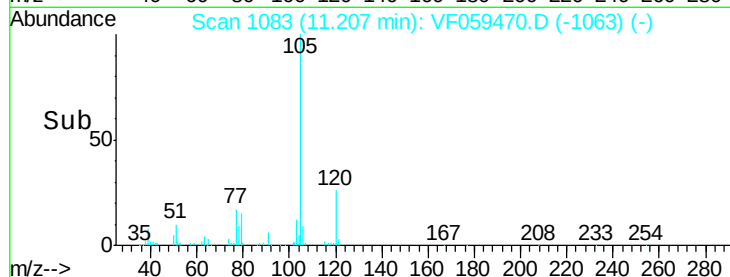
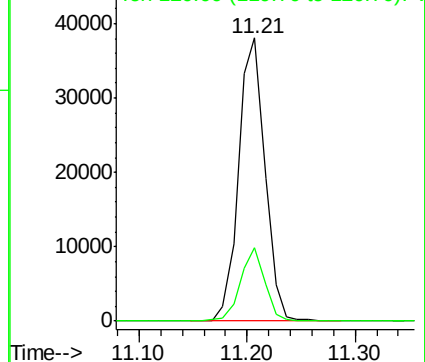
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 3.55 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Tgt Ion: 43 Resp: 17288

Ion Ratio Lower Upper

43 100

70 50.1 28.7 43.1#

55 26.6 16.6 24.8#

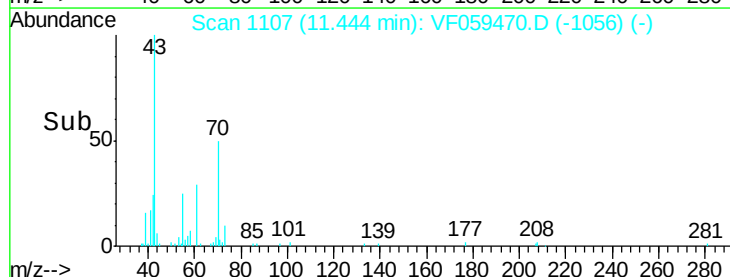
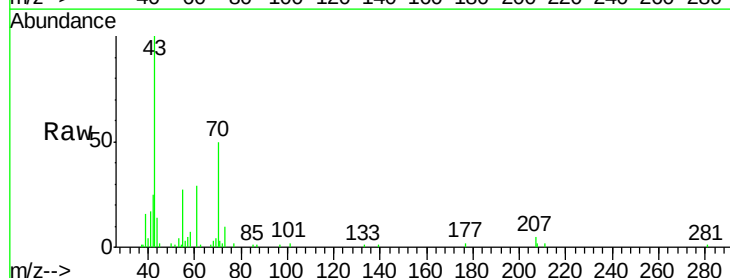
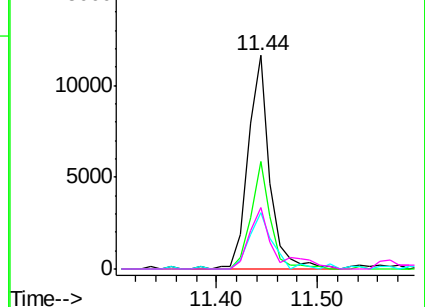
61 28.6 20.1 30.1

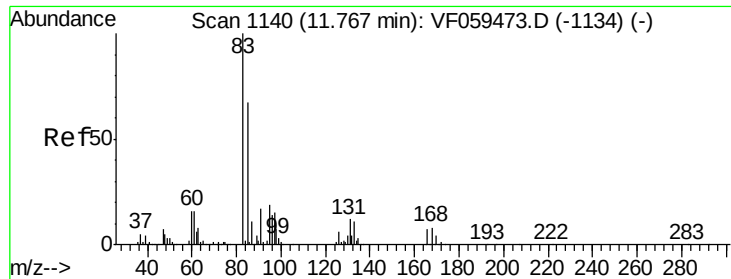
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 4.66 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Instrument :

MSVOA_F

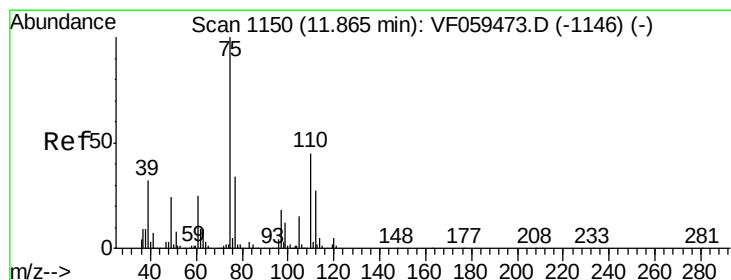
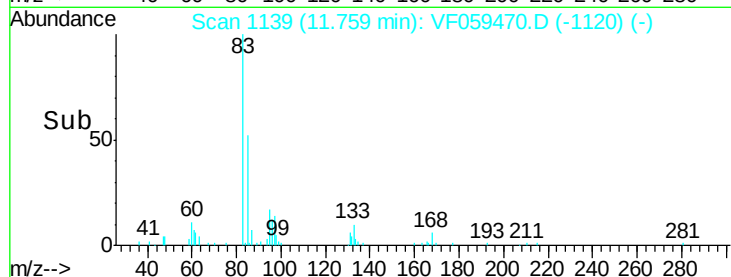
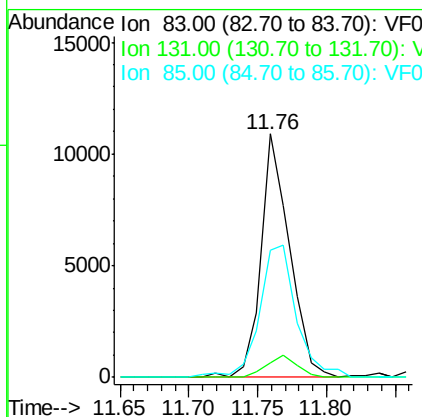
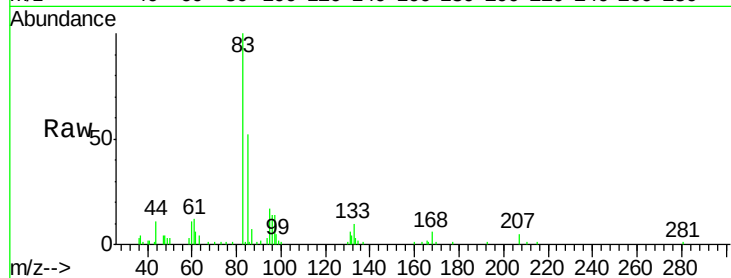
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	15805
Ion Ratio	Lower	Upper	
83	100		
131	6.1	6.0	18.0
85	52.3	33.7	101.1

Manual Integrations
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7/9/2018 9:34:09 AM



#76

1,2,3-Trichloropropane

Concen: 4.95 ug/l

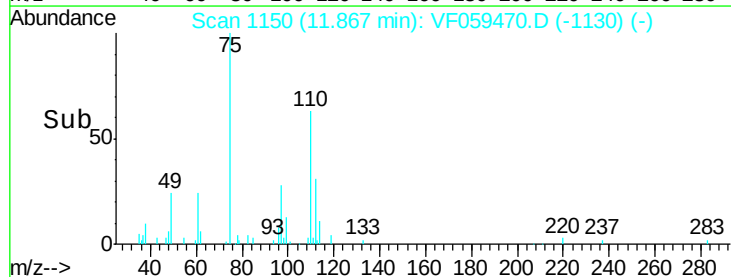
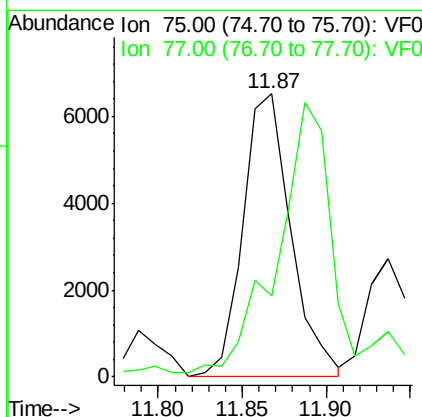
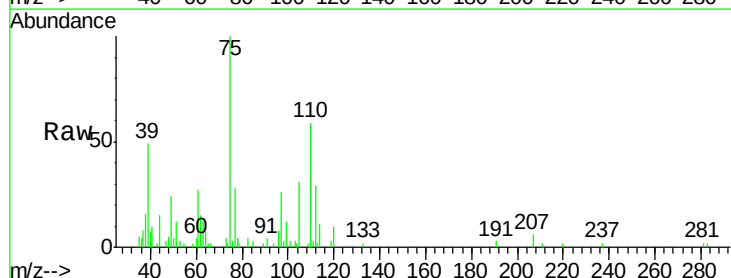
RT: 11.87 min Scan# 1150

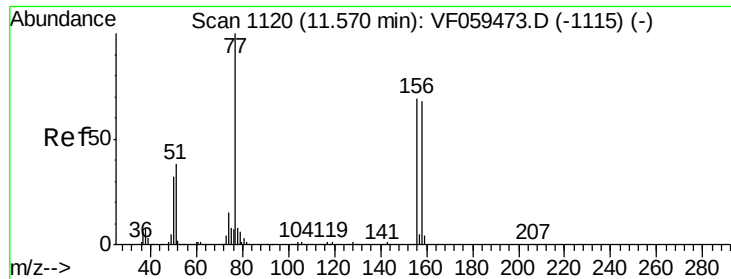
Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Tgt Ion:	75	Resp:	12881
Ion Ratio	Lower	Upper	
75	100		
77	28.4	16.9	50.6





#77

Bromobenzene

Concen: 4.96 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Instrument :

MSVOA_F

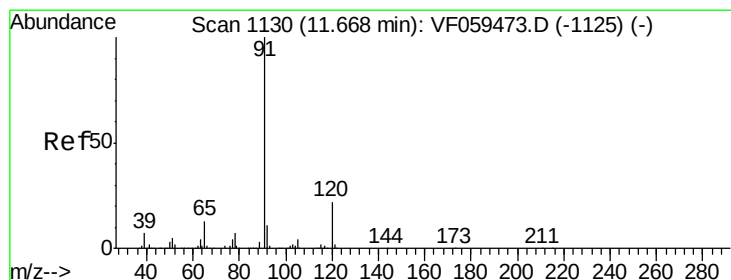
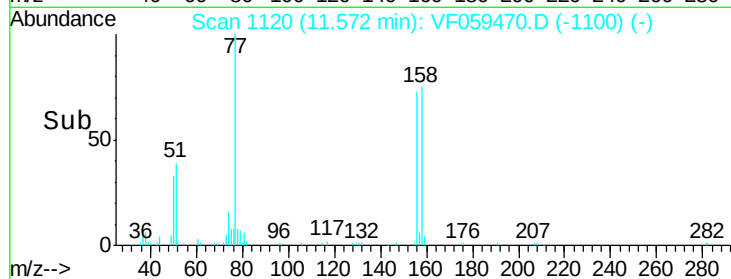
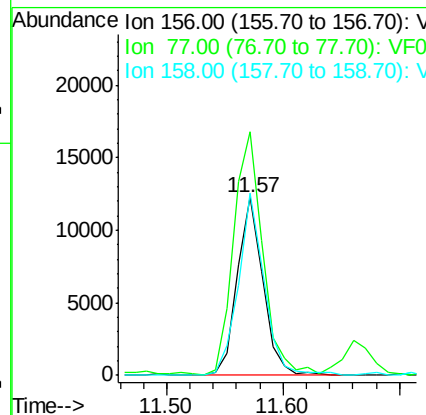
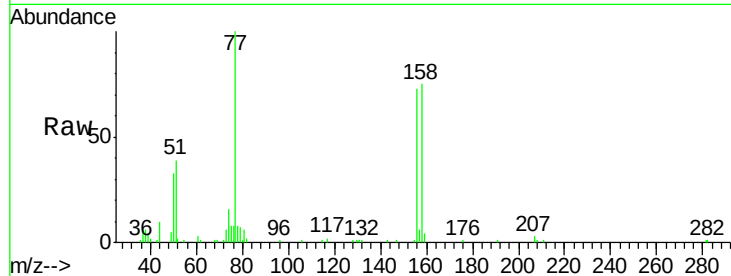
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	136.7	72.4	217.2
158	102.6	49.5	148.3

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#78

n-propylbenzene

Concen: 5.37 ug/l

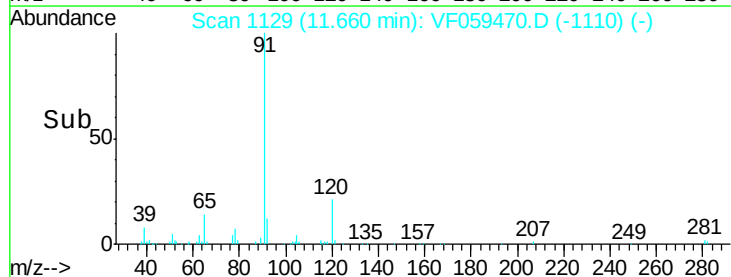
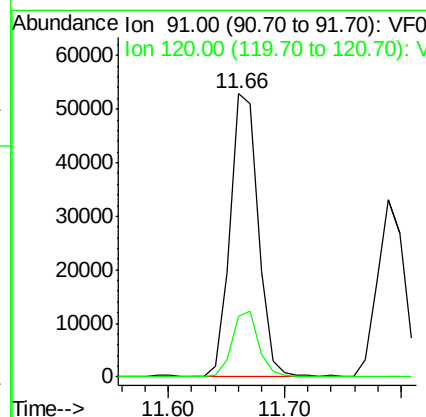
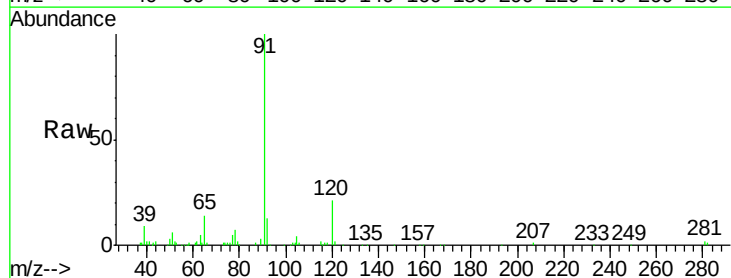
RT: 11.66 min Scan# 1129

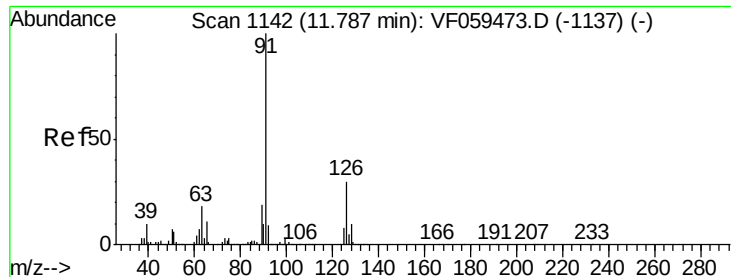
Delta R.T. -0.01 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.1





#79

2-Chlorotoluene

Concen: 5.28 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 53538

Ion Ratio Lower Upper

91 100

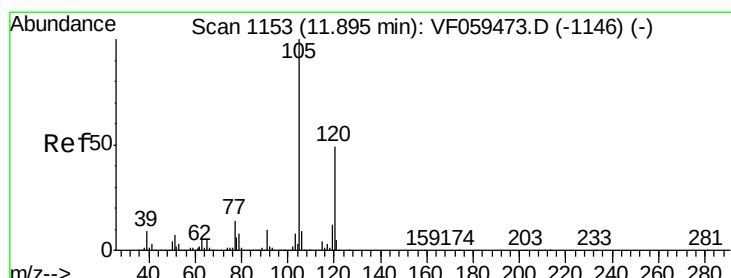
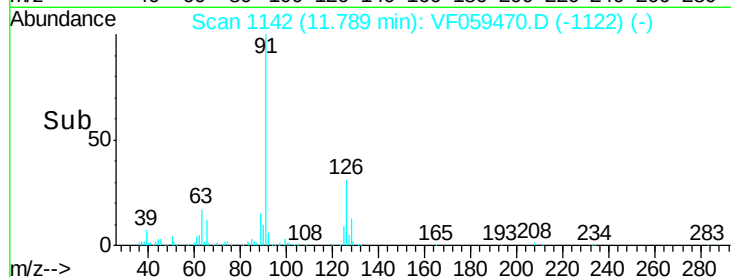
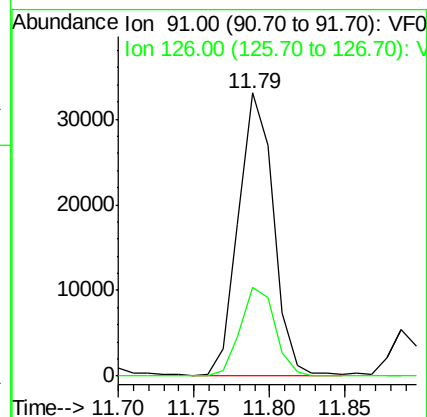
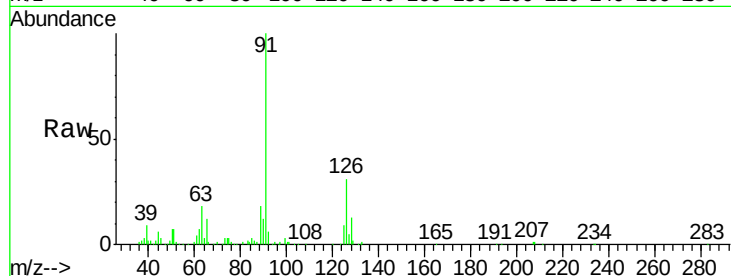
126 31.4 15.2 45.5

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#80

1,3,5-Trimethylbenzene

Concen: 5.24 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF059470.D

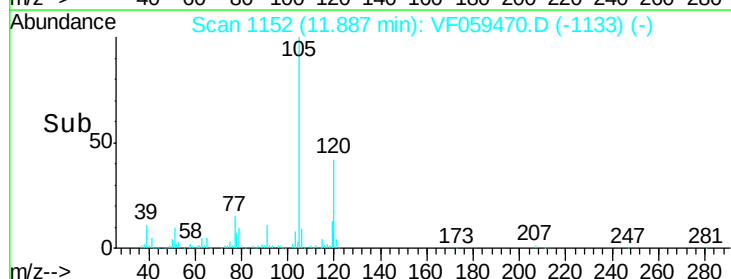
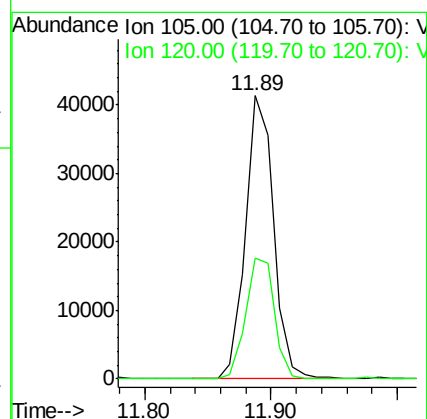
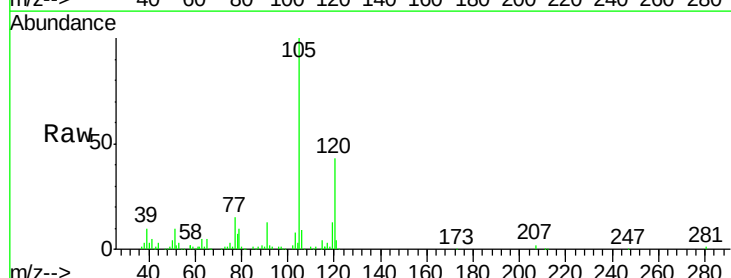
Acq: 7 Jul 2018 2:05

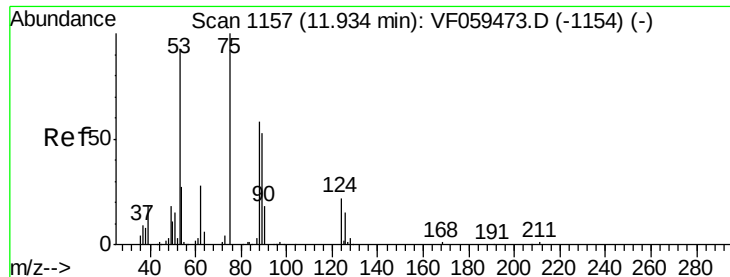
Tgt Ion: 105 Resp: 63610

Ion Ratio Lower Upper

105 100

120 42.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 4.25 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Instrument :

MSVOA_F

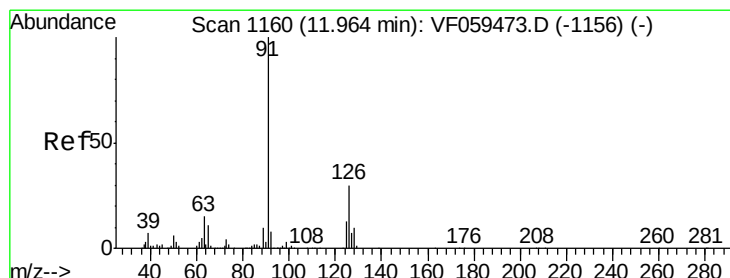
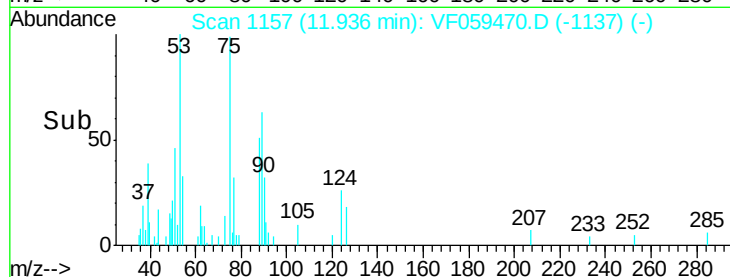
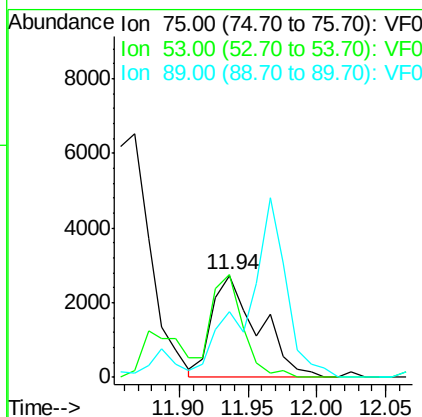
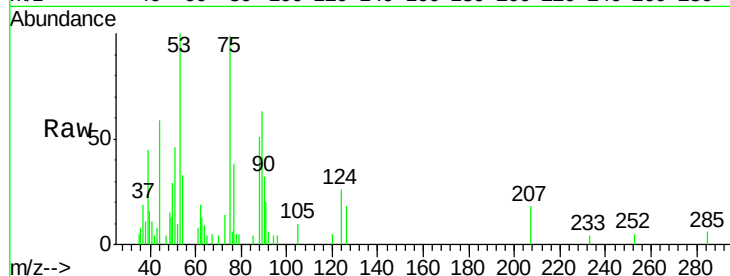
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	6414
Ion	Ratio	Lower	Upper
75	100		
53	101.4	79.0	118.6
89	64.2	45.9	68.9

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#82

4-Chlorotoluene

Concen: 5.22 ug/l

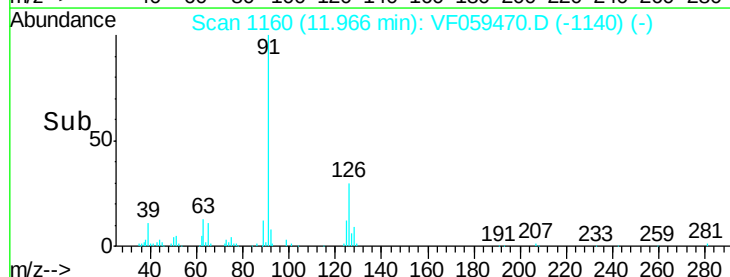
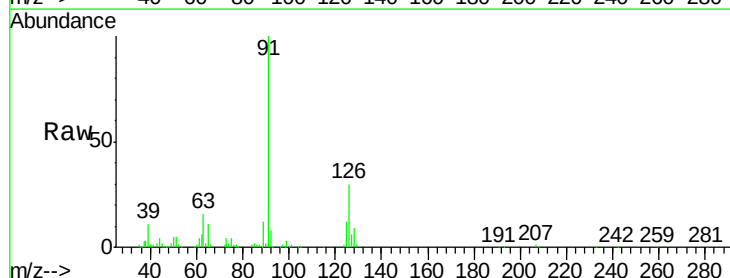
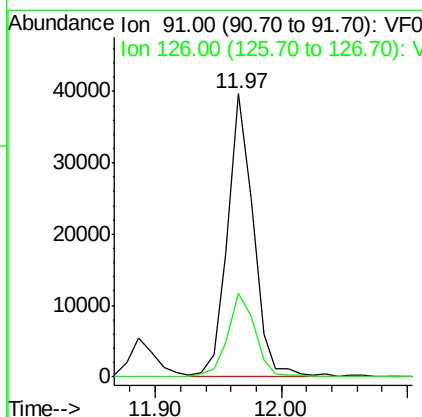
RT: 11.97 min Scan# 1160

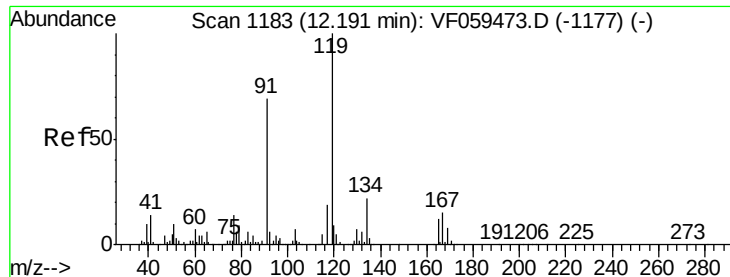
Delta R.T. 0.00 min

Lab File: VF059470.D

Acq: 7 Jul 2018 2:05

Tgt Ion:	91	Resp:	56098
Ion	Ratio	Lower	Upper
91	100		
126	29.6	14.9	44.5





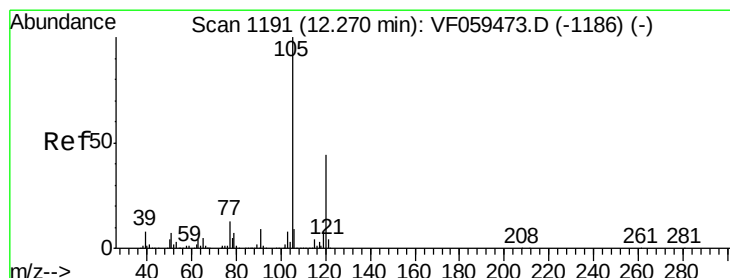
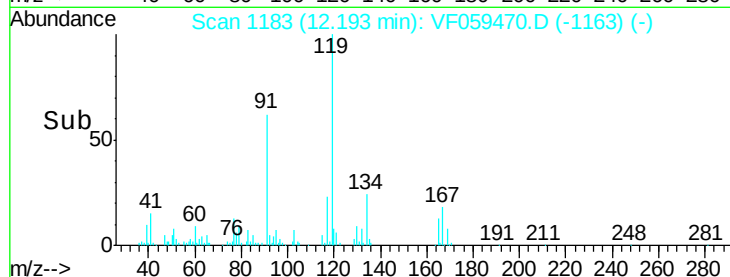
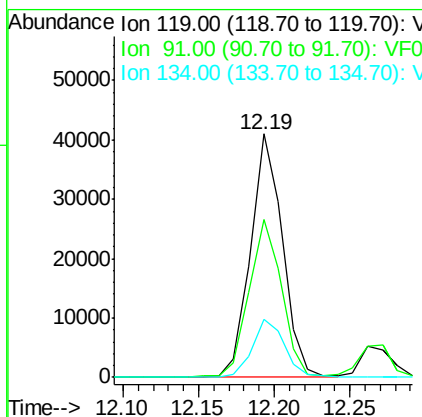
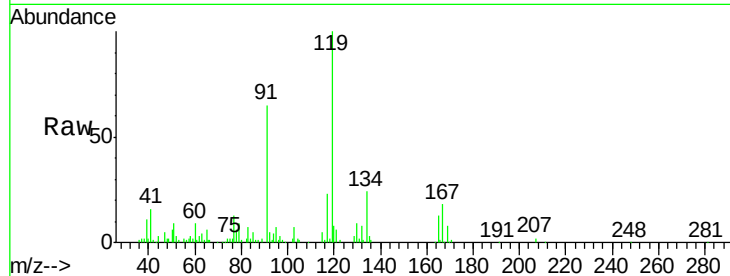
#83
 tert-Butylbenzene
 Concen: 5.04 ug/l
 RT: 12.19 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VF059470.D
 Acq: 7 Jul 2018 2:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	34.4	103.3
134	23.7	10.8	32.4

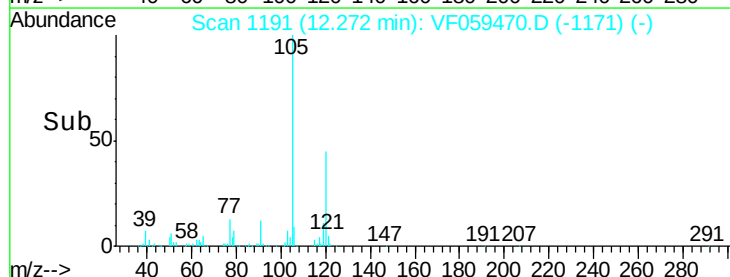
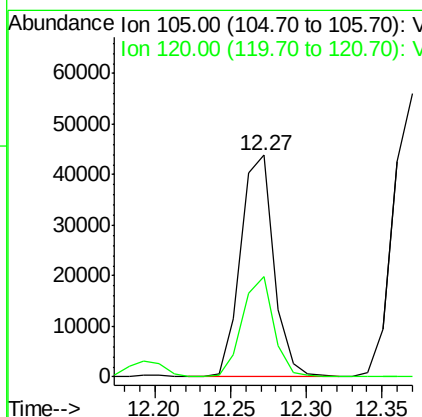
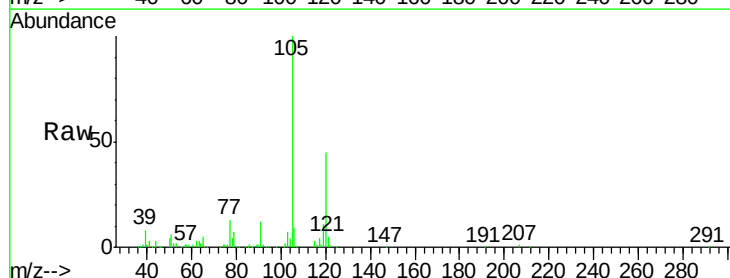
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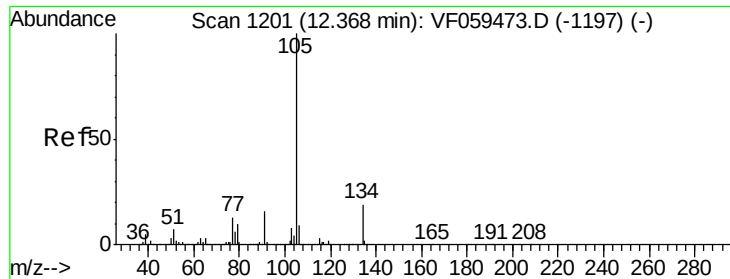
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.28 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF059470.D
 Acq: 7 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.1	66.1





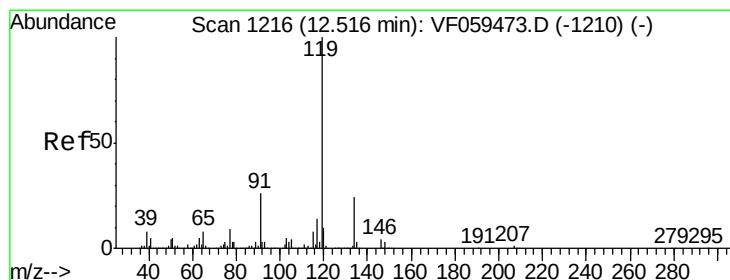
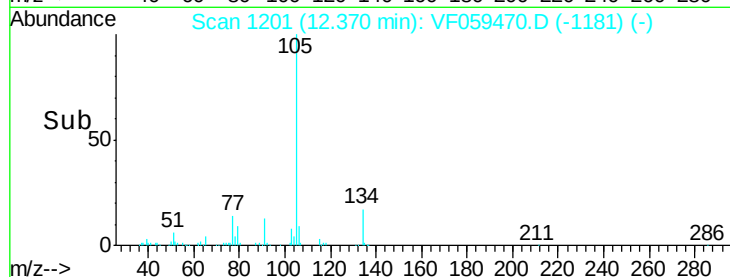
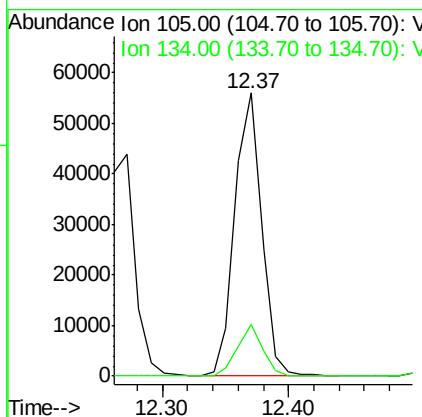
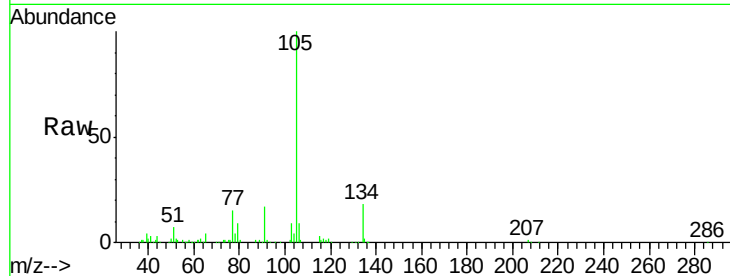
#85
 sec-Butylbenzene
 Concen: 5.16 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF059470.D
 Acq: 7 Jul 2018 2:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.5	9.6	28.6

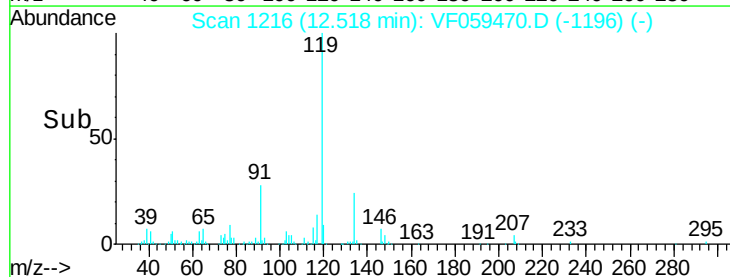
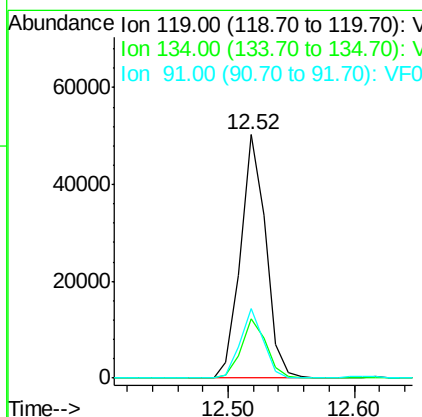
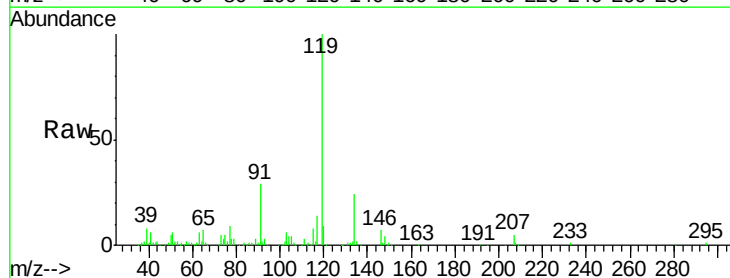
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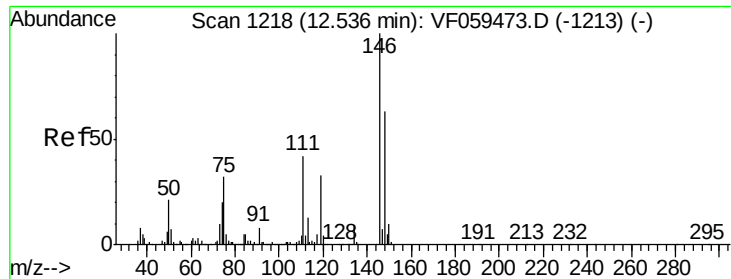
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#86
 p-Isopropyltoluene
 Concen: 5.13 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: VF059470.D
 Acq: 7 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.2	12.2	36.4
91	28.6	13.1	39.3





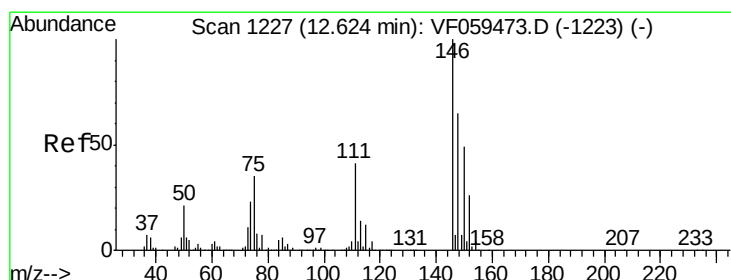
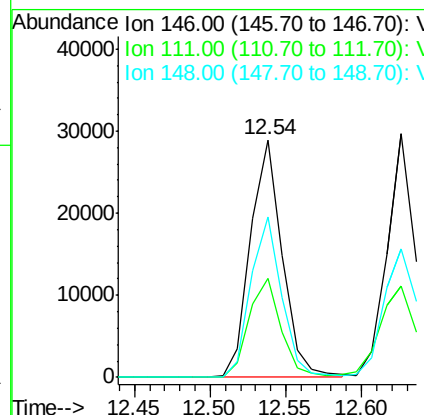
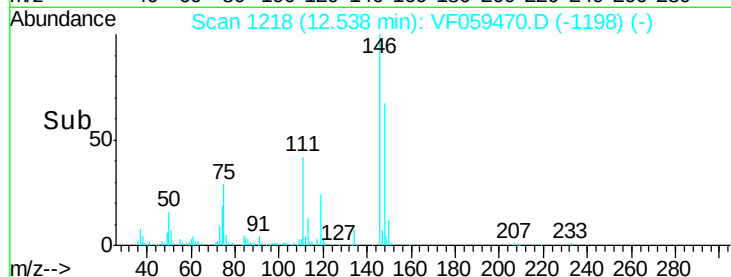
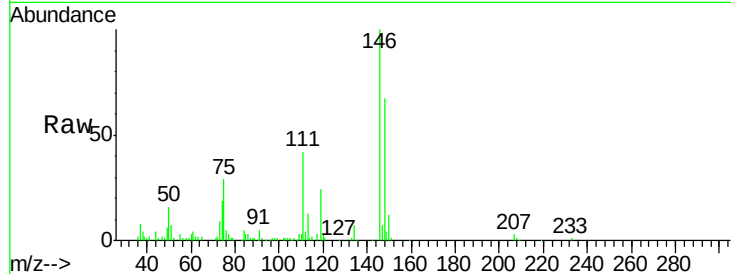
#87
 1,3-Dichlorobenzene
 Concen: 6.04 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059470.D
 Acq: 7 Jul 2018 2:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.0	63.0
148	67.4	31.6	94.8

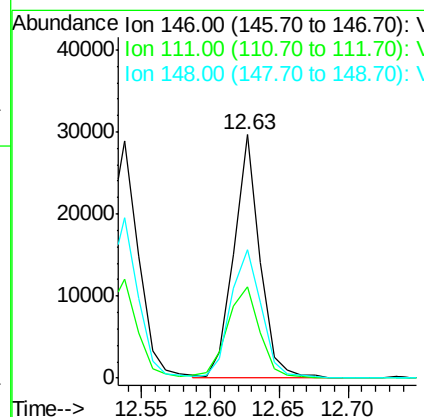
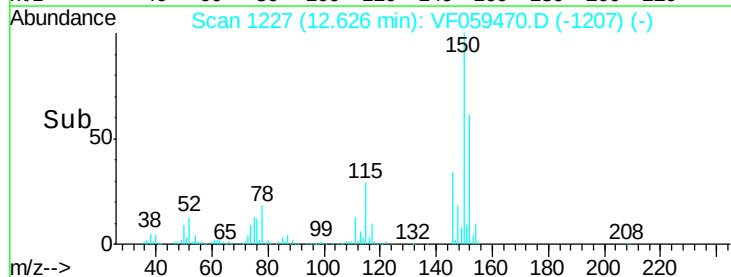
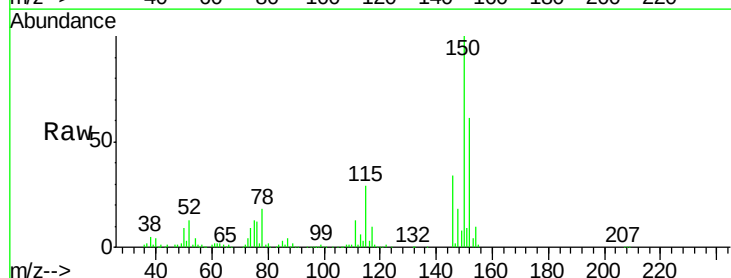
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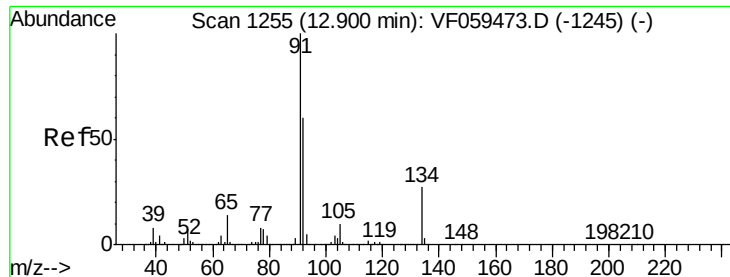
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#88
 1,4-Dichlorobenzene
 Concen: 5.73 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF059470.D
 Acq: 7 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	20.8	62.2
148	52.9	32.6	97.8





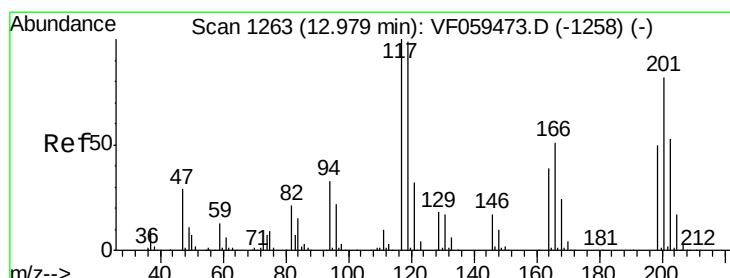
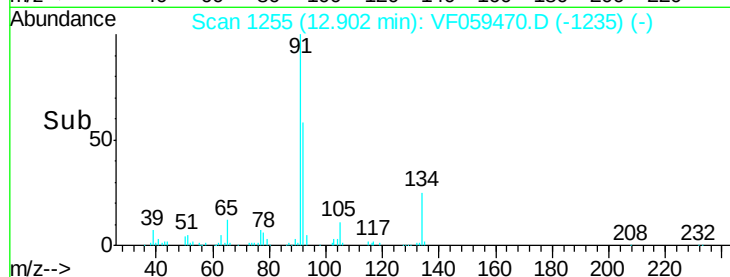
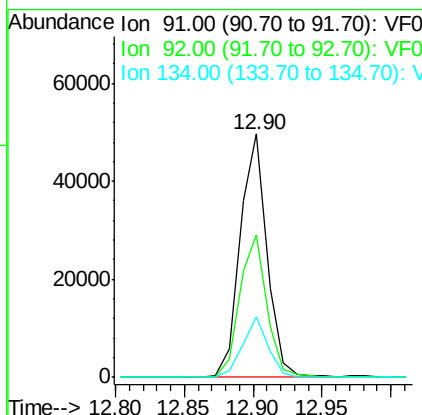
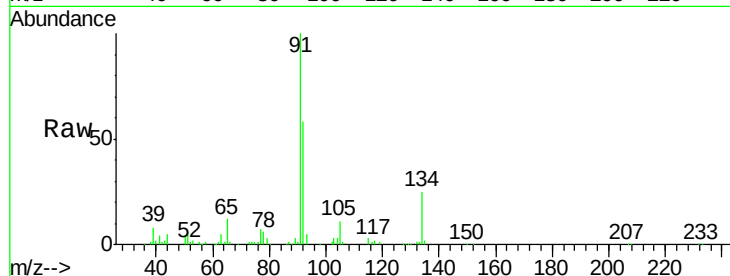
#89
n-Butylbenzene
Concen: 4.94 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.4	30.0	90.1
134	24.8	13.3	39.9

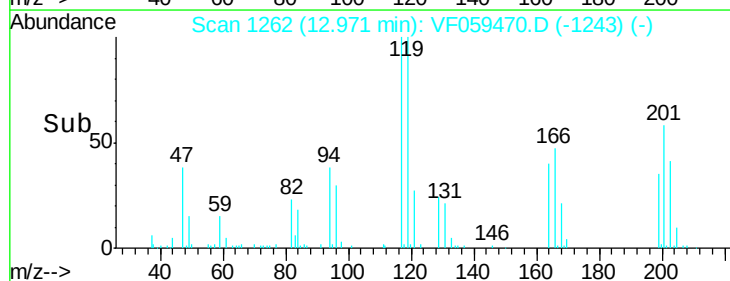
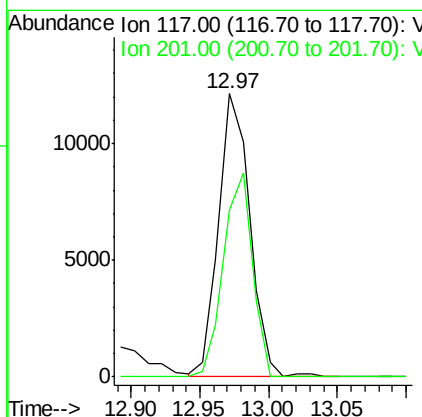
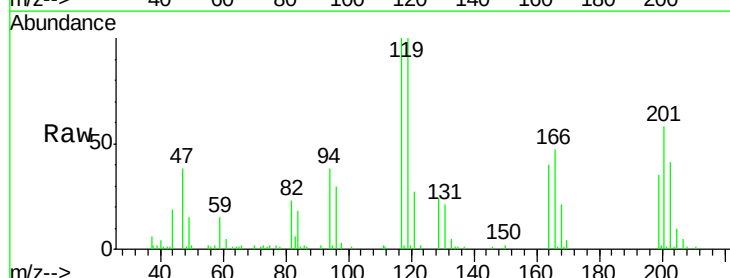
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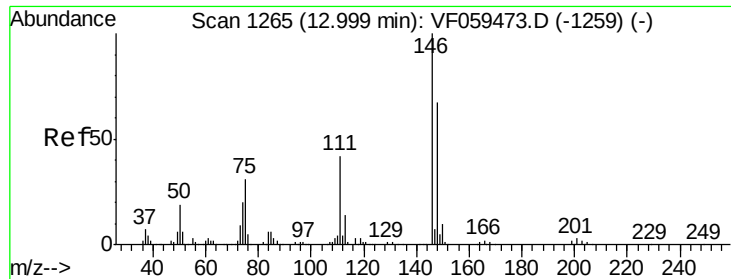
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#90
Hexachloroethane
Concen: 5.68 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	59.0	40.6	121.8





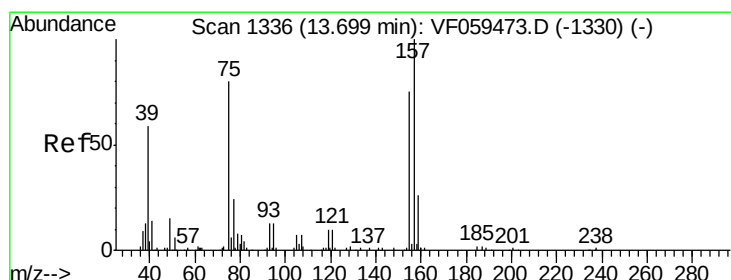
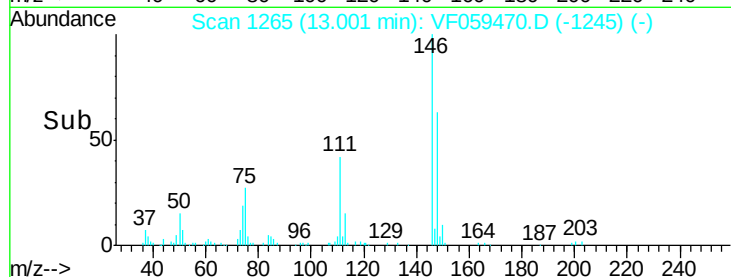
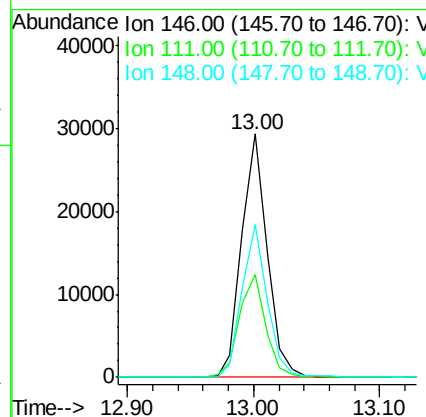
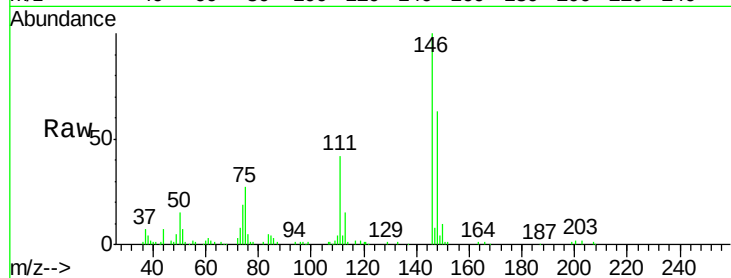
#91
 1,2-Dichlorobenzene
 Concen: 5.91 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF059470.D
 Acq: 7 Jul 2018 2:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	62.5	33.3	99.9

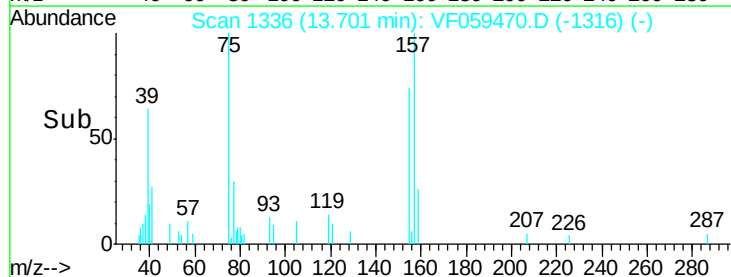
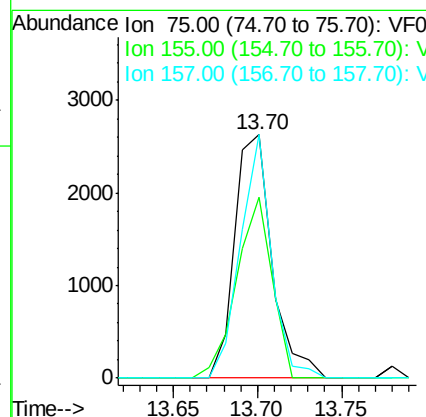
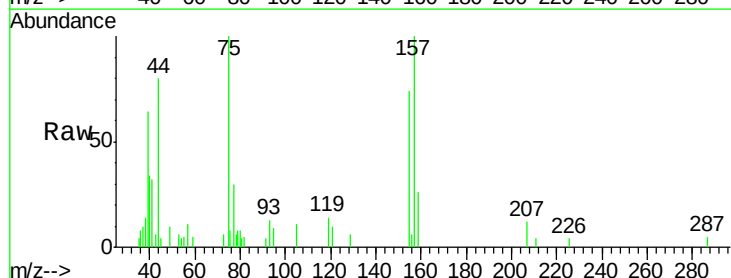
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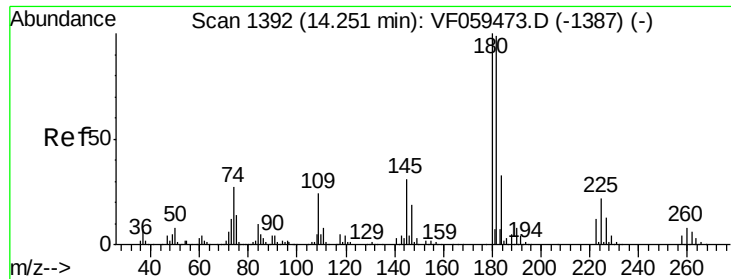
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.29 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VF059470.D
 Acq: 7 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.2	47.3	141.8
157	100.1	62.6	187.8





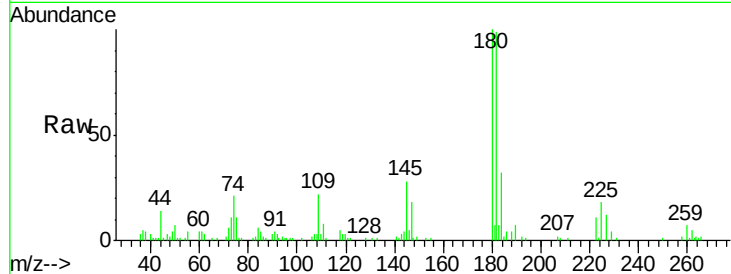
#93
 1,2,4-Trichlorobenzene
 Concen: 5.44 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059470.D
 Acq: 7 Jul 2018 2:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	27872		
182	99.4	49.5	148.7	
145	27.9	15.4	46.2	

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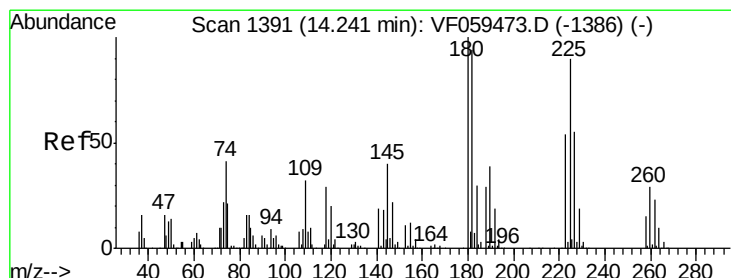
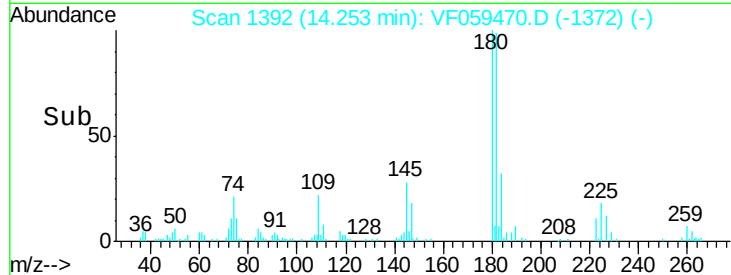
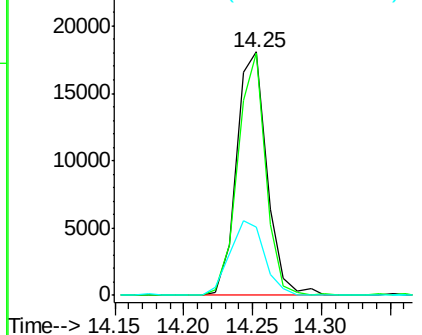


Abundance

Ion 180.00 (179.70 to 180.70): V

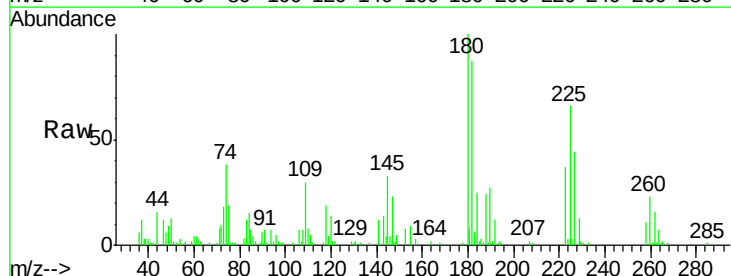
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 5.73 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF059470.D
 Acq: 7 Jul 2018 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	16841		
223	59.1	30.1	90.5	
227	66.8	30.8	92.4	

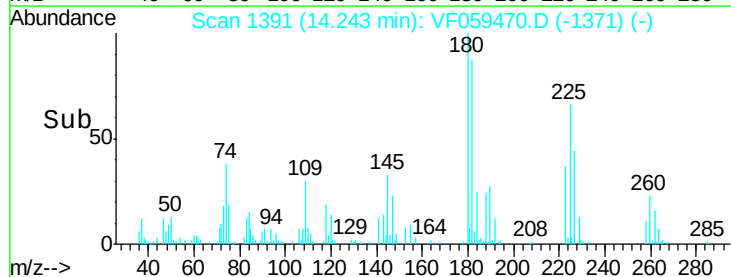
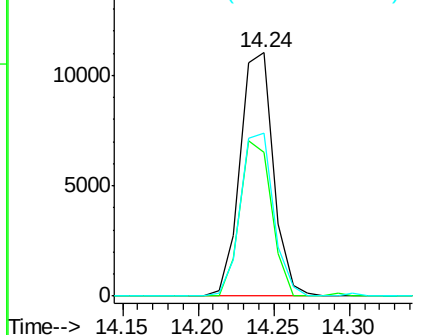


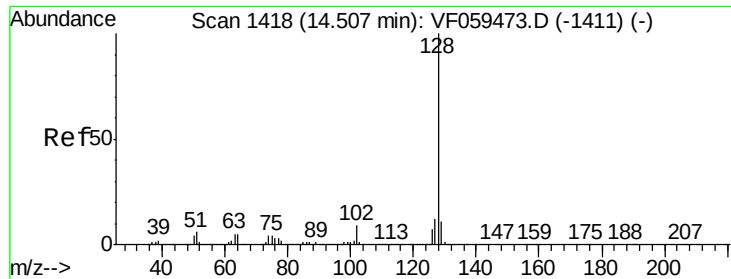
Abundance

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





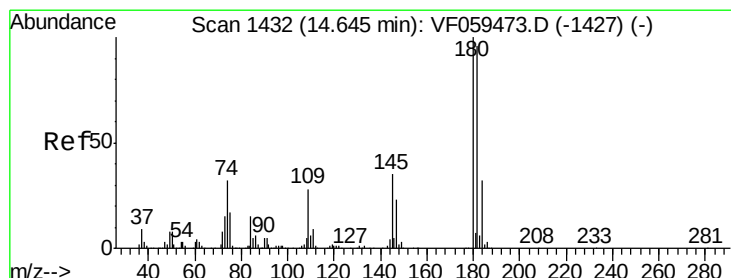
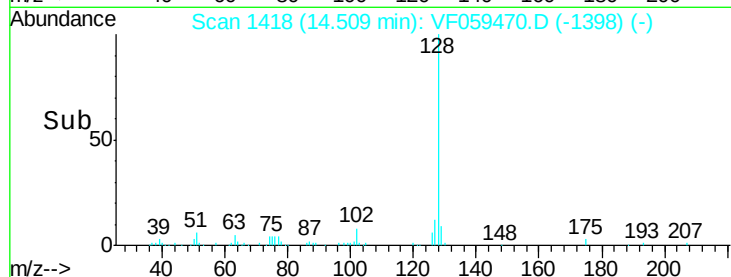
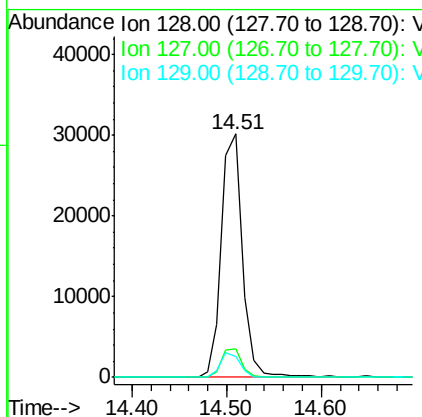
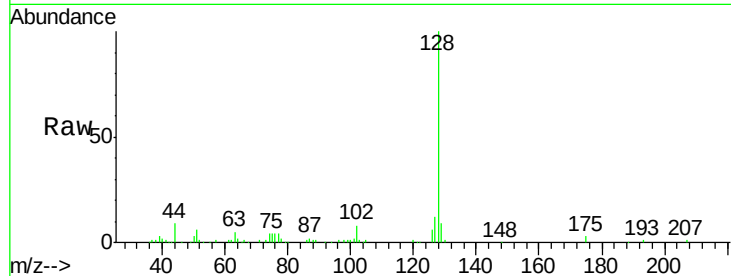
#95
Naphthalene
Concen: 4.34 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
128	100	46607		
127	11.7		9.9	14.9
129	8.7		9.0	13.6#

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 4.77 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VF059470.D
Acq: 7 Jul 2018 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	23273		
182	101.9		47.9	143.7
145	36.3		17.5	52.5

