

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059636.D
 Acq On : 24 Jul 2018 17:02
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
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Quant Time: Jul 25 01:23:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 00:58:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	239363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	320582	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	314061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	198982	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	64729	17.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.08%	
35) Dibromofluoromethane	4.28	113	59317	20.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.44%	
50) Toluene-d8	7.70	98	145498	19.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.64%	
62) 4-Bromofluorobenzene	11.50	95	76519	18.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	58134	19.740	ug/l	98
3) Chloromethane	1.08	50	32445	23.334	ug/l	93
4) Vinyl Chloride	1.15	62	33473	21.898	ug/l	99
5) Bromomethane	1.33	94	28863	22.139	ug/l	95
6) Chloroethane	1.41	64	20846	22.334	ug/l	92
7) Trichlorofluoromethane	1.48	101	93510m	22.625	ug/l	
8) Diethyl Ether	1.69	74	11173	19.110	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.88	101	46709	21.997	ug/l	92
10) Methyl Iodide	1.92	142	72969	20.866	ug/l	98
11) Tert butyl alcohol	2.68	59	12725	85.911	ug/l	96
12) 1,1-Dichloroethene	1.83	96	34028	20.522	ug/l	91
13) Acrolein	2.08	56	4366m	60.045	ug/l	
14) Allyl chloride	2.18	41	60051	20.015	ug/l	99
15) Acrylonitrile	3.05	53	21243	92.866	ug/l	87
16) Acetone	2.32	43	48860	78.788	ug/l	99
17) Carbon Disulfide	1.83	76	96542m	22.399	ug/l	
18) Methyl Acetate	2.44	43	16954	16.114	ug/l	99
19) Methyl tert-butyl Ether	2.52	73	89687	18.679	ug/l	98
20) Methylene Chloride	2.26	84	34505	18.393	ug/l	97
21) trans-1,2-Dichloroethene	2.39	96	36064	20.962	ug/l	92
22) Diisopropyl ether	2.92	45	112882	20.577	ug/l	98
23) Vinyl Acetate	3.32	43	276171	101.020	ug/l	97
24) 1,1-Dichloroethane	2.98	63	80533	20.380	ug/l	98
25) 2-Butanone	4.49	43	63507	98.096	ug/l #	82
26) 2,2-Dichloropropane	3.74	77	66486	20.210	ug/l	95
27) cis-1,2-Dichloroethene	3.62	96	43134	21.848	ug/l	97
28) Bromochloromethane	3.86	49	28568	19.672	ug/l #	99
29) Tetrahydrofuran	4.25	42	26219	99.404	ug/l	90
30) Chloroform	4.02	83	115368	21.150	ug/l	95
31) Cyclohexane	3.84	56	47433	21.413	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	99226	20.336	ug/l	94
36) 1,1-Dichloropropene	4.43	75	73515	22.804	ug/l	94
37) Ethyl Acetate	4.28	43	27117	21.375	ug/l #	62
38) Carbon Tetrachloride	4.15	117	100223	20.538	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	59327	22.815	ug/l	87
40) Benzene	4.79	78	131999	22.397	ug/l	96
41) Methacrylonitrile	4.91	41	12627	20.151	ug/l	93
42) 1,2-Dichloroethane	5.10	62	79399	20.363	ug/l	100
43) Isopropyl Acetate	7.09	43	29311	18.554	ug/l #	93
44) Trichloroethene	5.67	130	49561	22.039	ug/l	99
45) 1,2-Dichloropropane	6.38	63	34771	22.064	ug/l #	83
46) Dibromomethane	6.24	93	29495	23.024	ug/l	93
47) Bromodichloromethane	6.53	83	84806	21.618	ug/l	91
48) Methyl methacrylate	6.86	41	23414	19.466	ug/l	95
49) 1,4-Dioxane	6.86	88	3388	400.691	ug/l #	60
51) 4-Methyl-2-Pentanone	8.39	43	113988	96.450	ug/l	99
52) Toluene	7.76	92	97060	21.775	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	67888	20.676	ug/l	96
54) cis-1,3-Dichloropropene	7.44	75	71132	21.747	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	28309	19.145	ug/l	97
56) Ethyl methacrylate	8.75	69	30225	18.439	ug/l	99
57) 1,3-Dichloropropane	8.99	76	49985	19.345	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	20567	105.708	ug/l	100
59) 2-Hexanone	9.62	43	89192	94.994	ug/l	97
60) Dibromochloromethane	8.85	129	53802	20.263	ug/l	94
61) 1,2-Dibromoethane	9.13	107	35958	21.129	ug/l	94
64) Tetrachloroethene	8.29	164	53882	22.914	ug/l	95
65) Chlorobenzene	9.92	112	119307	20.836	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	55852	21.409	ug/l	92
67) Ethyl Benzene	10.02	91	231806	22.353	ug/l	97
68) m/p-Xylenes	10.26	106	159229	44.257	ug/l	97
69) o-Xylene	10.82	106	82902	21.367	ug/l	82
70) Styrene	10.89	104	122173	21.138	ug/l	95
71) Bromoform	10.88	173	32186	20.098	ug/l	98
73) Isopropylbenzene	11.21	105	280844	22.263	ug/l	97
74) N-amyl acetate	11.45	43	54196	19.559	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	41937	20.111	ug/l	91
76) 1,2,3-Trichloropropane	11.88	75	34045	18.641	ug/l	91
77) Bromobenzene	11.59	156	66376	20.629	ug/l	92
78) n-propylbenzene	11.68	91	336670	22.372	ug/l	99
79) 2-Chlorotoluene	11.81	91	203386	22.476	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	248852	21.981	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	20428	27.020	ug/l	95
82) 4-Chlorotoluene	11.98	91	209639	20.904	ug/l	97
83) tert-Butylbenzene	12.21	119	249484	22.313	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	260705	22.736	ug/l	99
85) sec-Butylbenzene	12.38	105	338986	23.352	ug/l	97
86) p-Isopropyltoluene	12.53	119	293992	23.136	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	135180	21.632	ug/l	94
88) 1,4-Dichlorobenzene	12.63	146	129346	22.203	ug/l	95
89) n-Butylbenzene	12.91	91	296157	24.260	ug/l	98
90) Hexachloroethane	12.99	117	71506	22.541	ug/l #	1
91) 1,2-Dichlorobenzene	13.01	146	123919	21.077	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10117	19.942	ug/l	70

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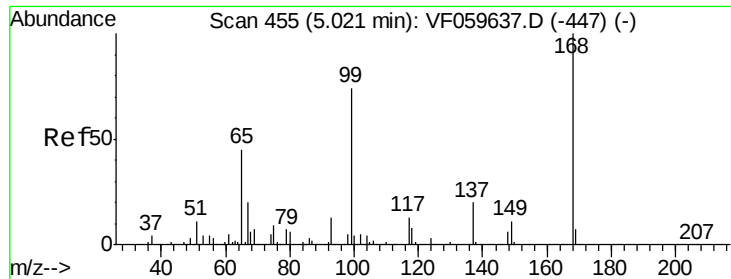
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	106083	24.146	ug/l	96
94) Hexachlorobutadiene	14.25	225	75665	24.674	ug/l	94
95) Naphthalene	14.52	128	157279	22.208	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	88952	22.331	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 239363

Ion Ratio Lower Upper

168 100

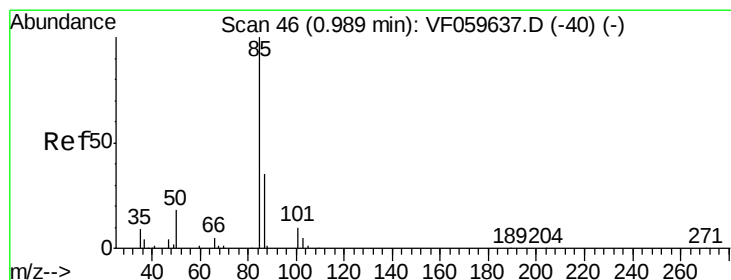
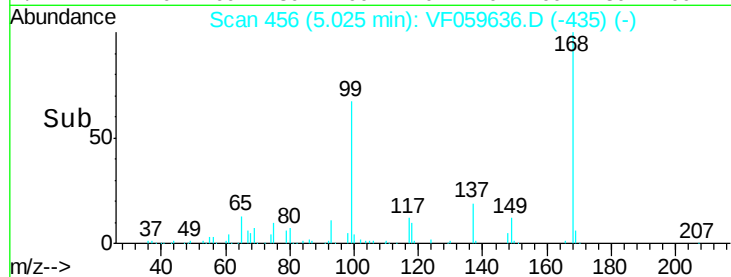
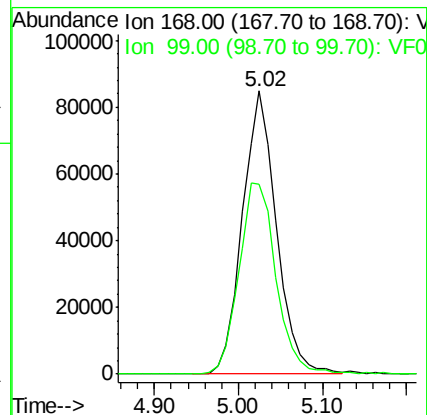
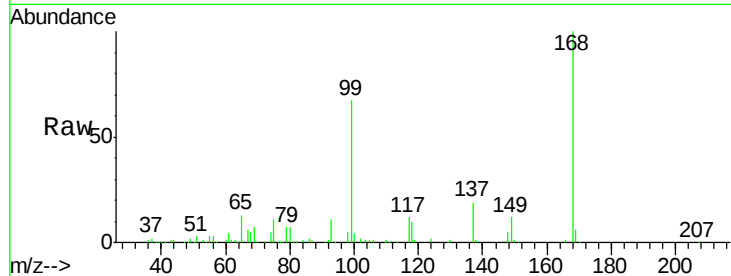
99 67.3 59.5 89.3

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#2

Dichlorodifluoromethane

Concen: 19.740 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059636.D

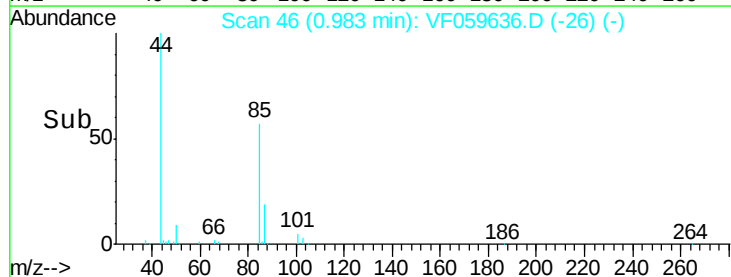
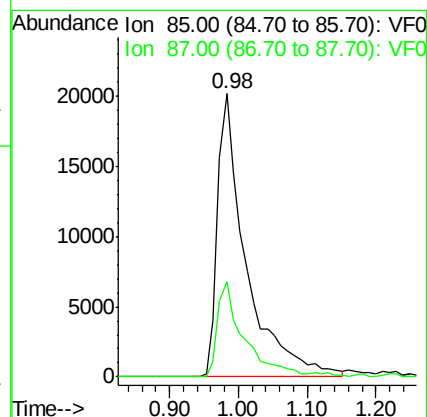
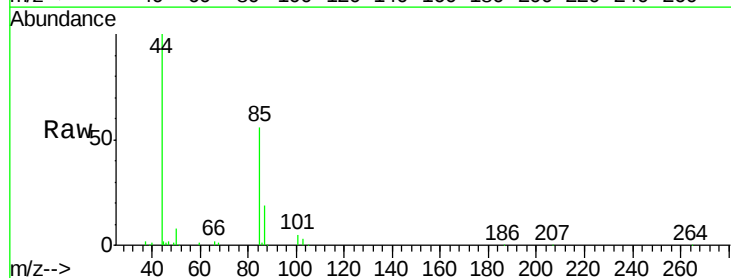
Acq: 24 Jul 2018 17:02

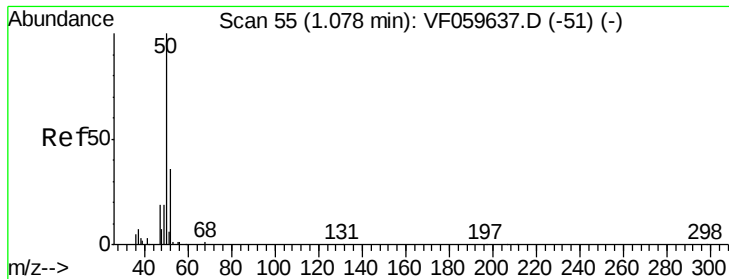
Tgt Ion: 85 Resp: 58134

Ion Ratio Lower Upper

85 100

87 33.4 17.4 52.2





#3

Chloromethane

Concen: 23.334 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 32445

Ion Ratio Lower Upper

50 100

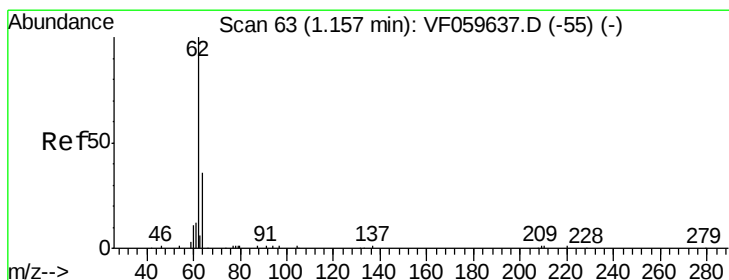
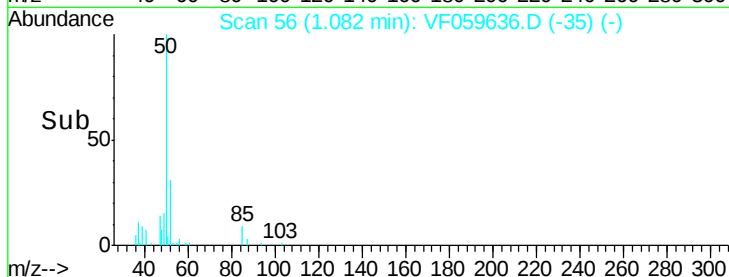
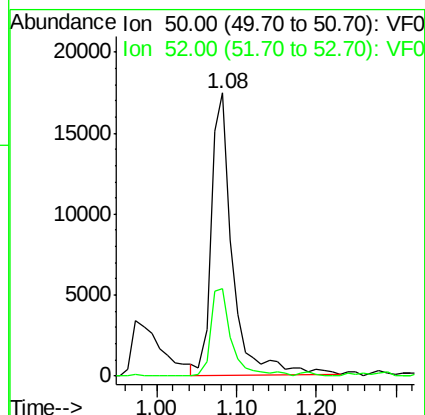
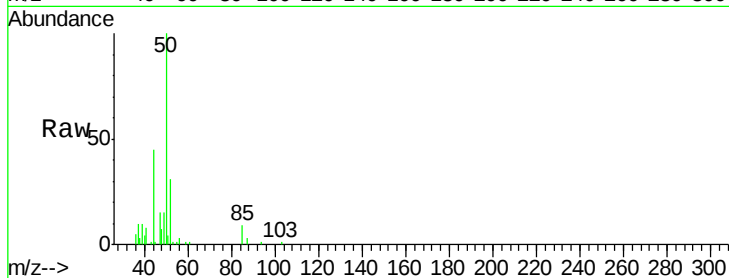
52 31.2 28.0 42.0

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#4

Vinyl Chloride

Concen: 21.898 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059636.D

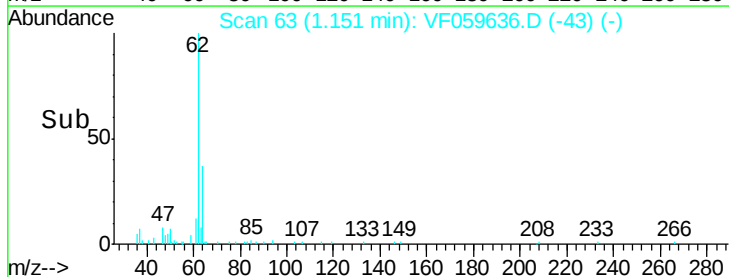
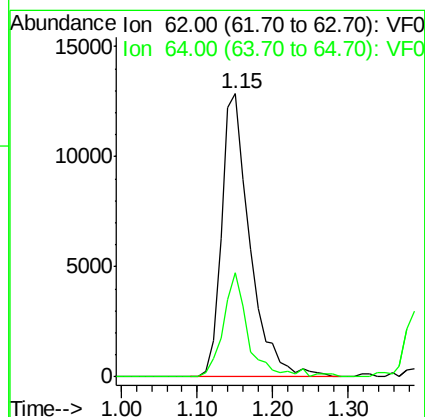
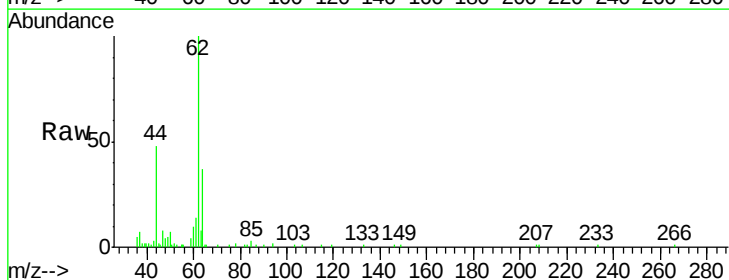
Acq: 24 Jul 2018 17:02

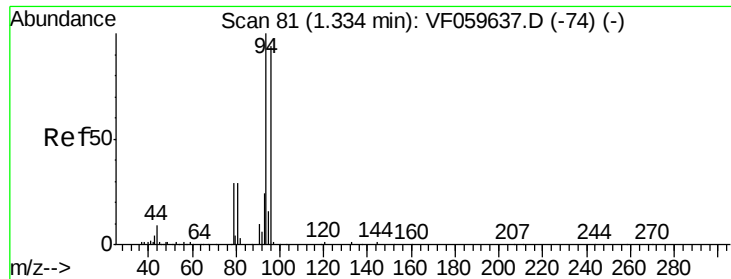
Tgt Ion: 62 Resp: 33473

Ion Ratio Lower Upper

62 100

64 36.6 28.6 43.0





#5

Bromomethane

Concen: 22.139 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 28863

Ion Ratio Lower Upper

94 100

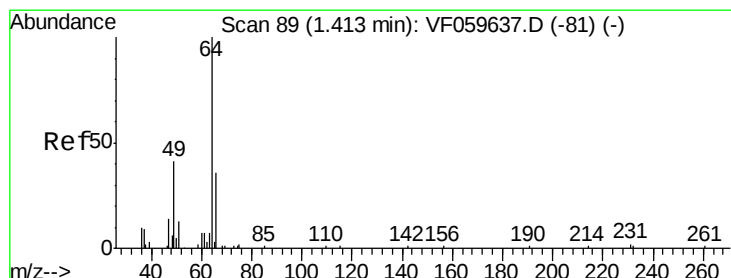
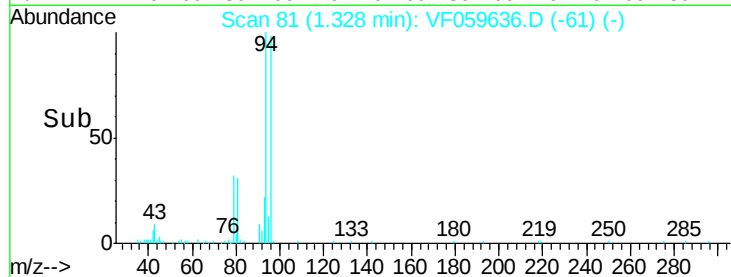
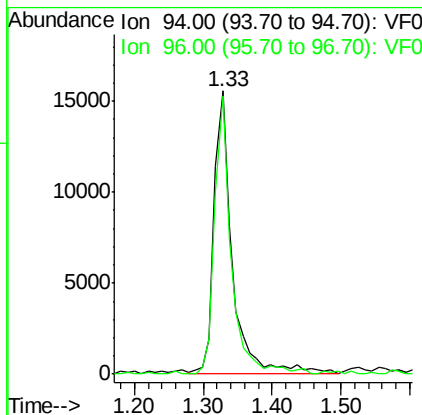
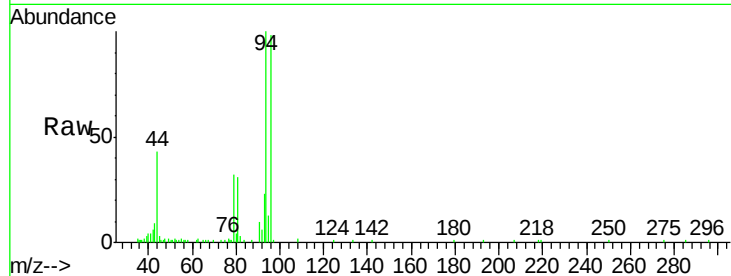
96 98.2 74.6 112.0

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#6

Chloroethane

Concen: 22.334 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059636.D

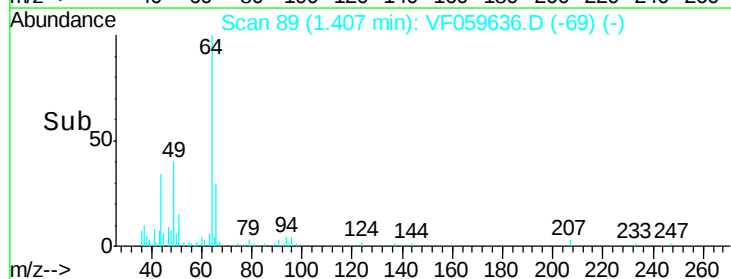
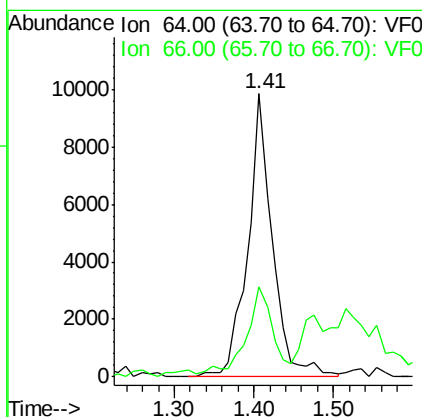
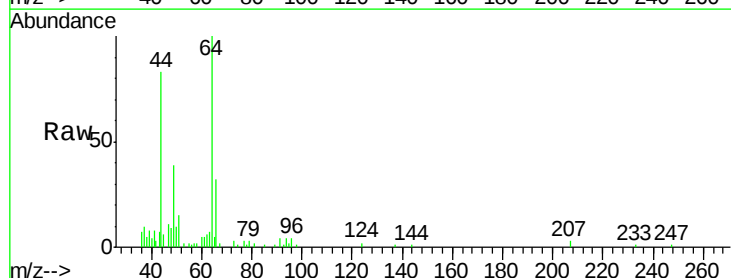
Acq: 24 Jul 2018 17:02

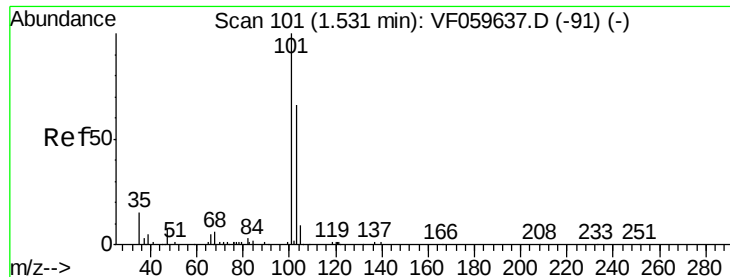
Tgt Ion: 64 Resp: 20846

Ion Ratio Lower Upper

64 100

66 31.8 29.0 43.6





#7

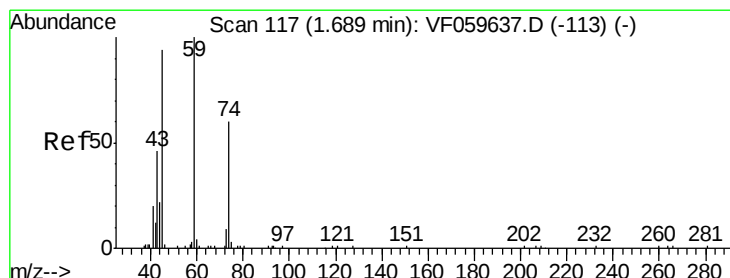
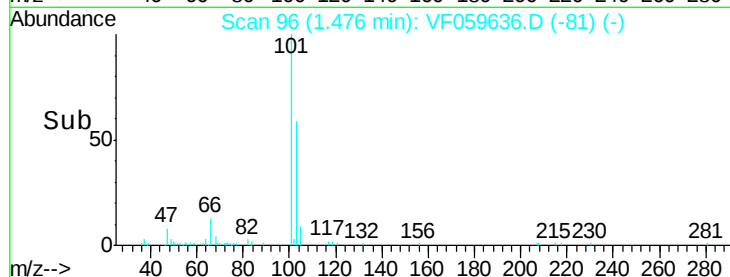
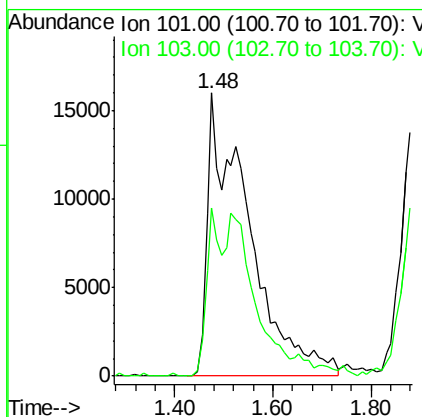
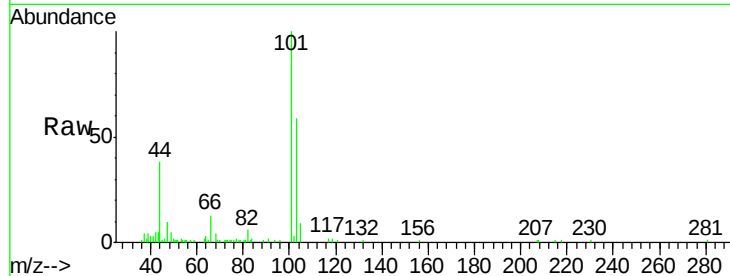
Trichlorofluoromethane
 Concen: 22.625 ug/l m
 RT: 1.48 min Scan# 96
 Delta R.T. -0.06 min
 Lab File: VF059636.D
 Acq: 24 Jul 2018 17:02

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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.3	52.5	78.7

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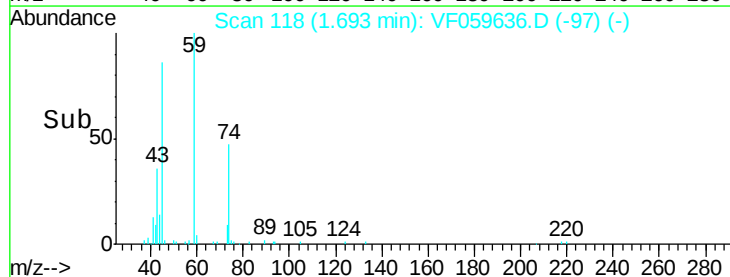
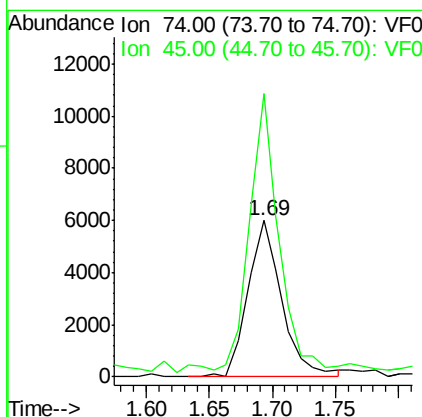
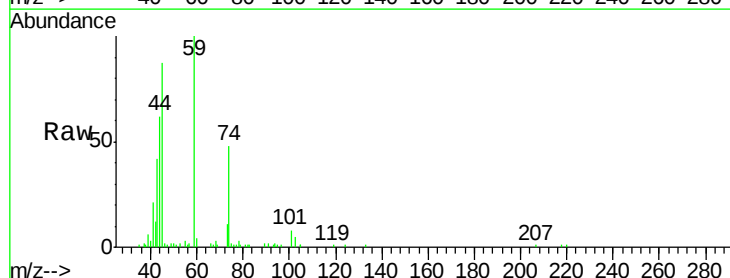
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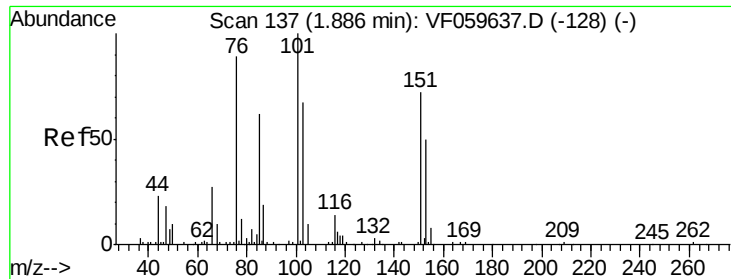


#8

Diethyl Ether
 Concen: 19.110 ug/l
 RT: 1.69 min Scan# 118
 Delta R.T. 0.00 min
 Lab File: VF059636.D
 Acq: 24 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	181.1	80.3	241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.997 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

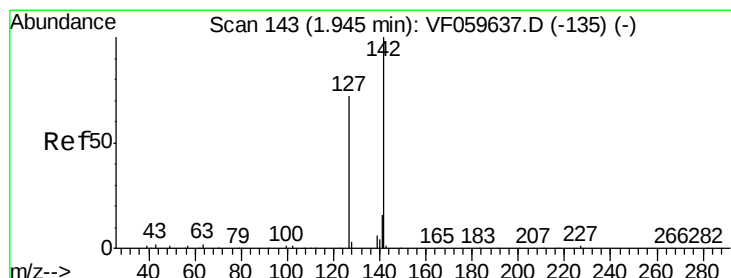
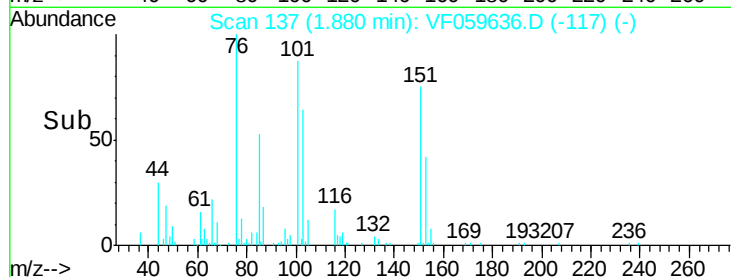
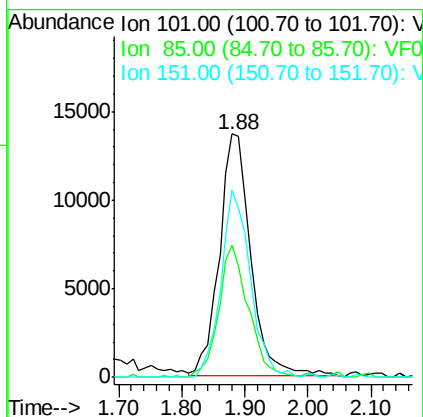
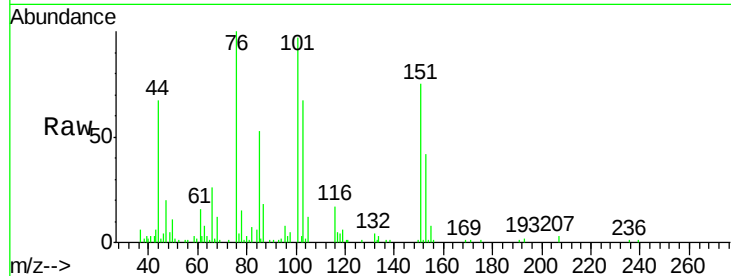
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	46709
Ion Ratio	Lower	Upper	
101	100		
85	54.5	49.0	73.4
151	77.0	56.8	85.2

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#10

Methyl Iodide

Concen: 20.866 ug/l

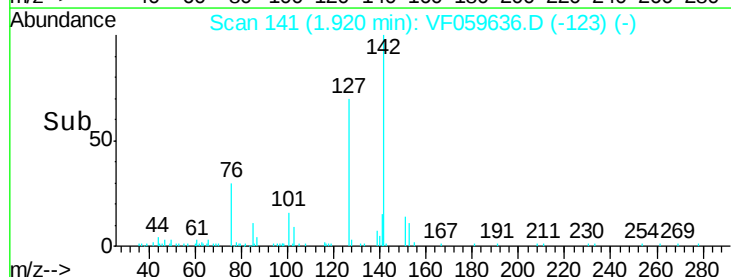
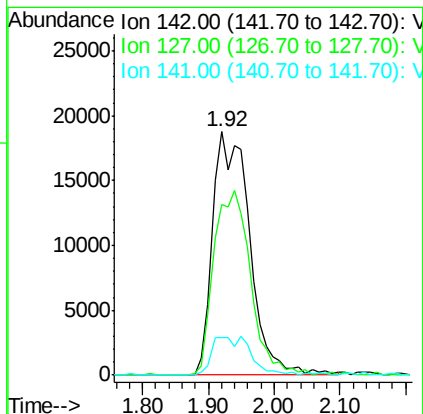
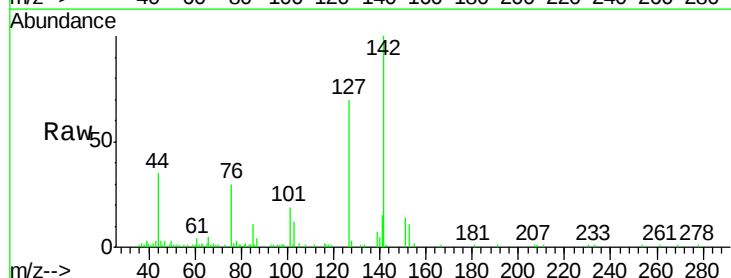
RT: 1.92 min Scan# 141

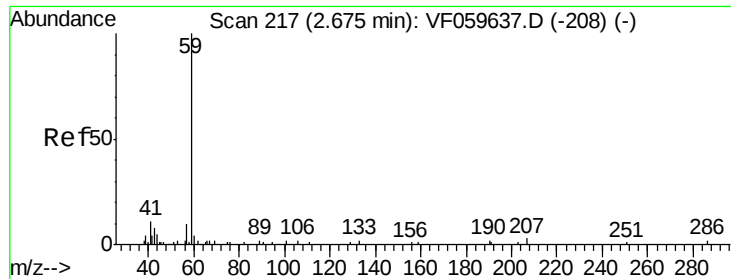
Delta R.T. -0.03 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Tgt Ion:	142	Resp:	72969
Ion Ratio	Lower	Upper	
142	100		
127	70.3	57.5	86.3
141	15.4	13.2	19.8





#11

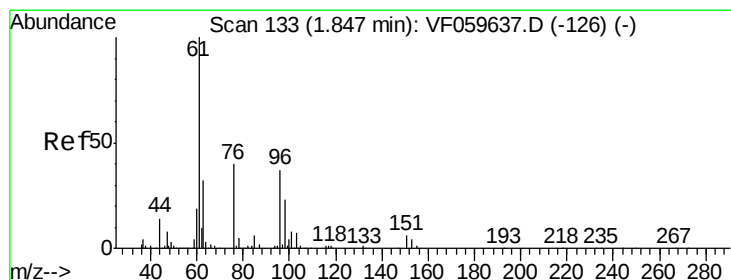
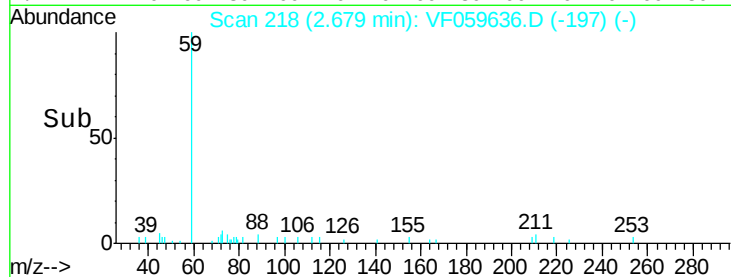
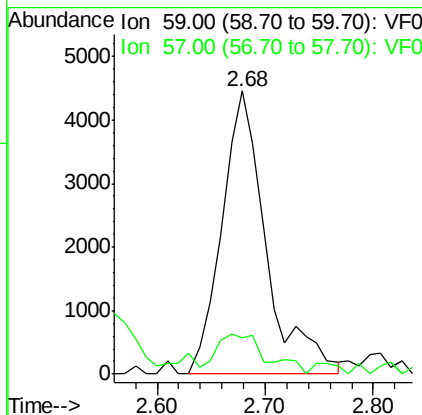
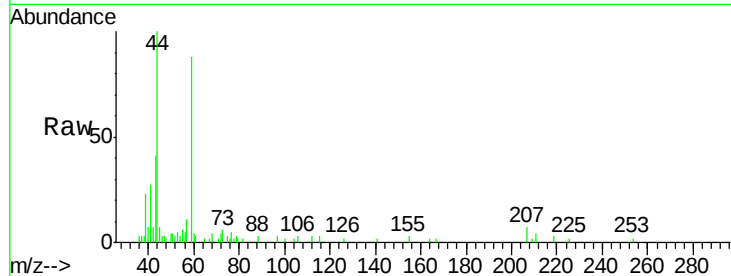
Tert butyl alcohol
Concen: 85.911 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.8	11.4	17.2

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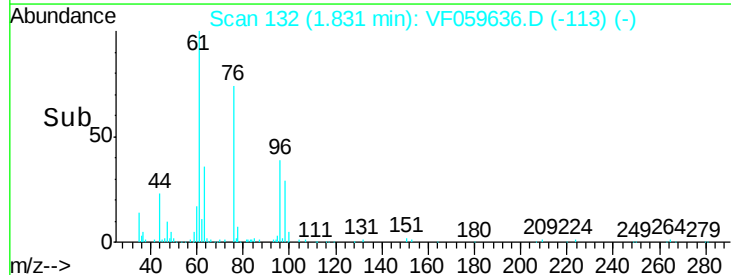
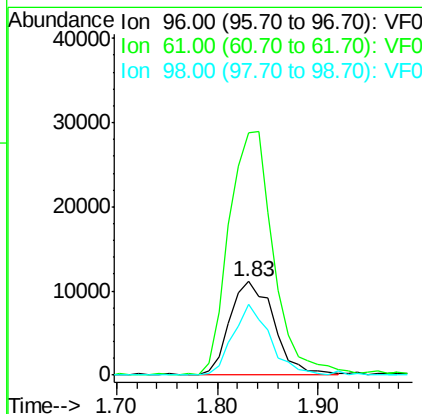
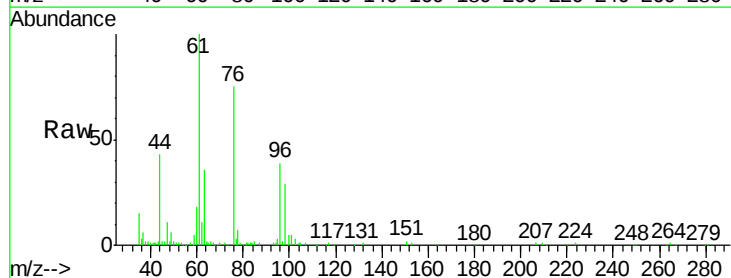
apatel
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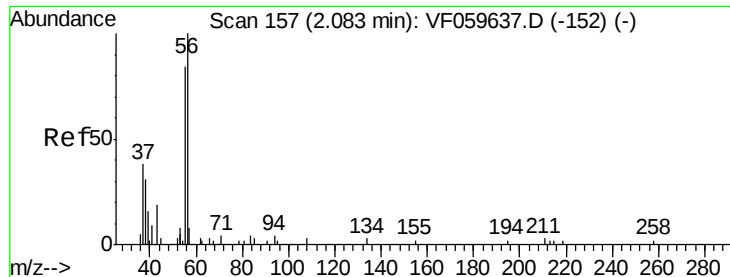


#12

1,1-Dichloroethene
Concen: 20.522 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.02 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	258.1	218.2	327.4
98	75.2	50.6	76.0





#13

Acrolein

Concen: 60.045 ug/l m

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 4366

Ion Ratio Lower Upper

56 100

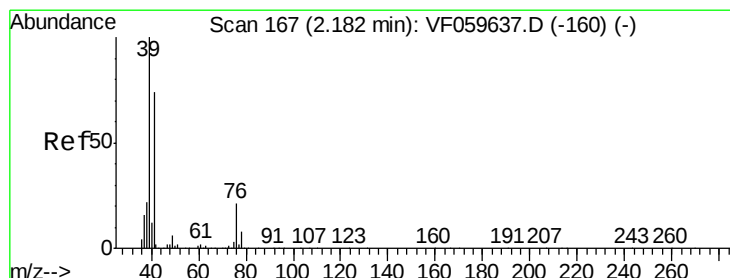
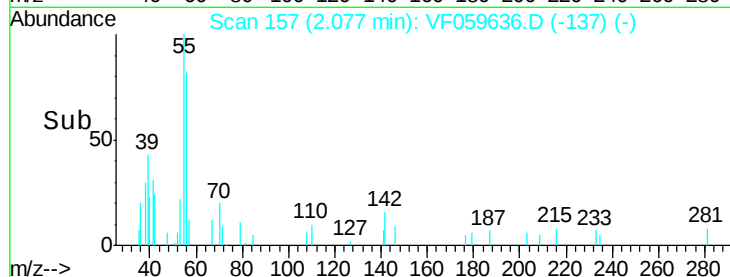
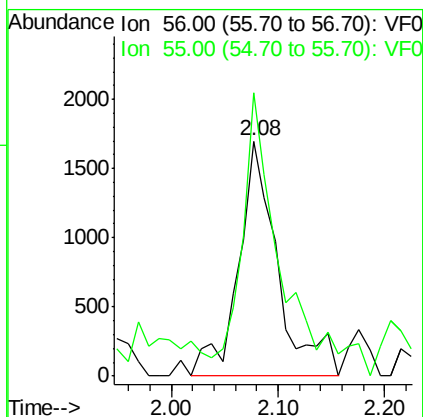
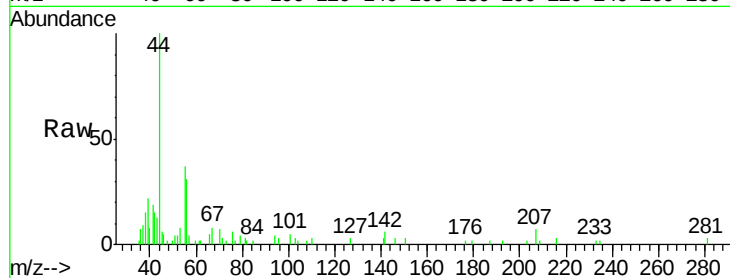
55 120.4 67.2 100.8#

Manual Integrations

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#14

Allyl chloride

Concen: 20.015 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

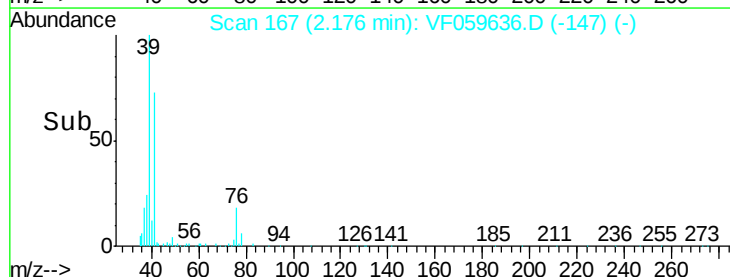
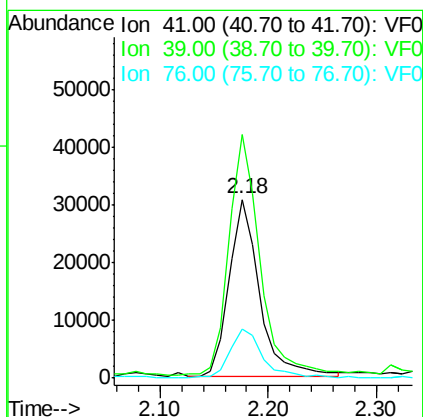
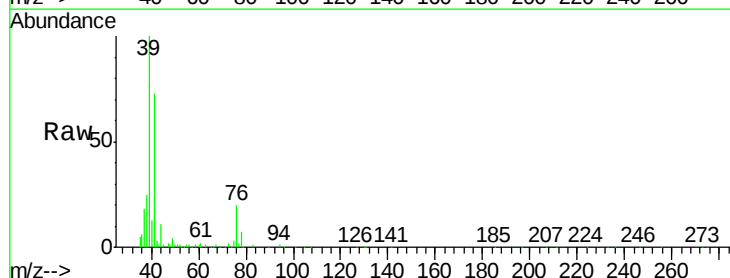
Tgt Ion: 41 Resp: 60051

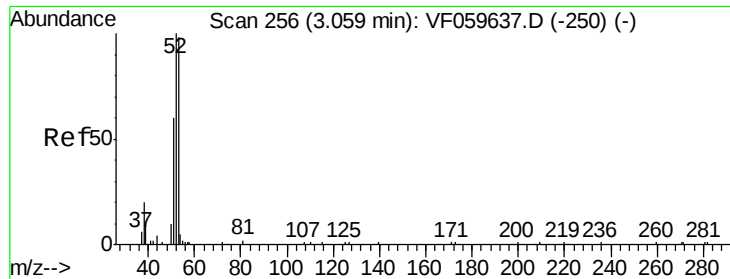
Ion Ratio Lower Upper

41 100

39 136.2 108.6 162.8

76 27.8 23.0 34.6





#15

Acrylonitrile

Concen: 92.866 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

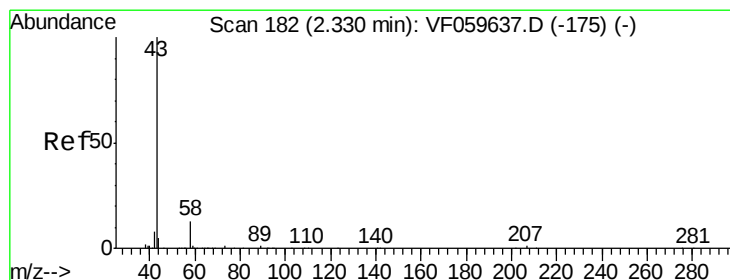
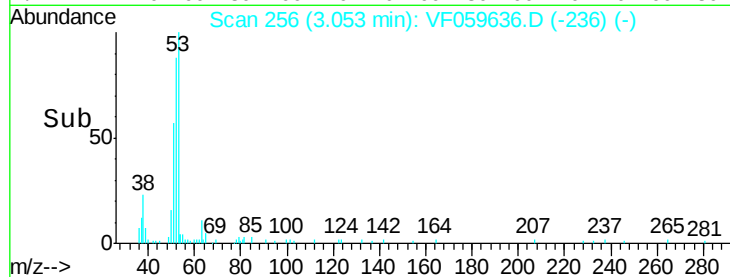
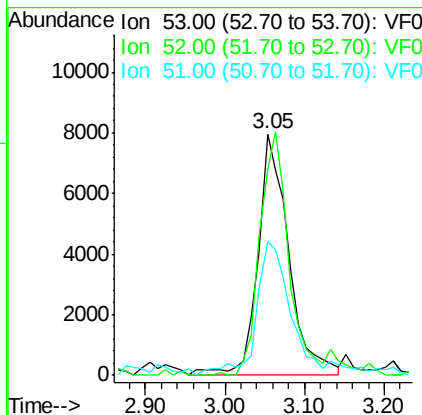
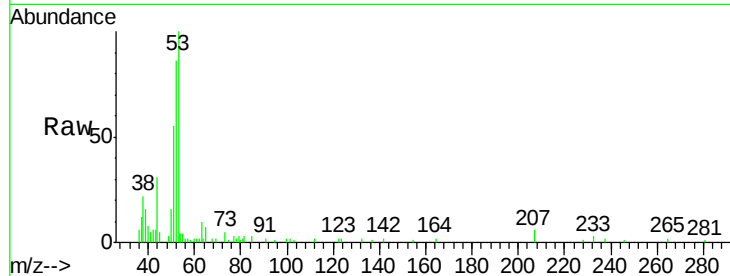
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	21243
Ion	Ratio	Lower	Upper
53	100		
52	85.8	80.9	121.3
51	55.4	49.4	74.2

Manual Integrations
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#16

Acetone

Concen: 78.788 ug/l

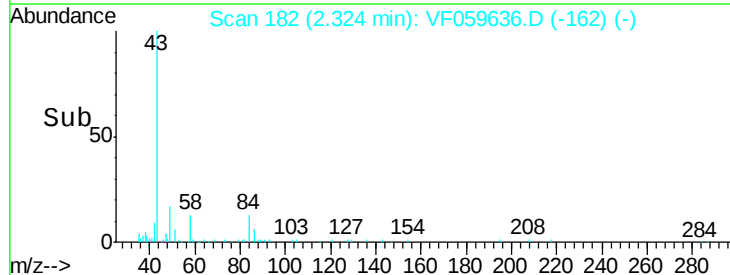
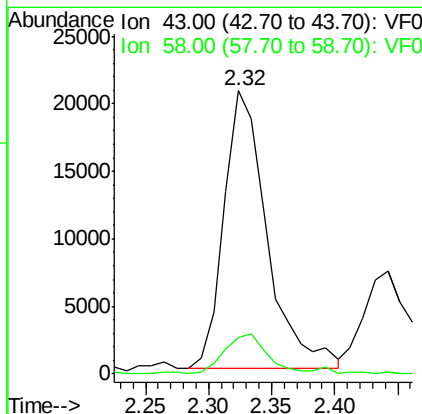
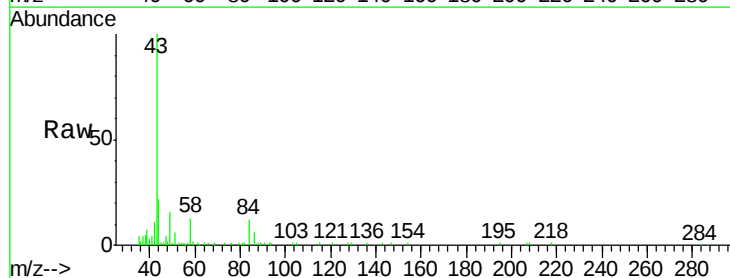
RT: 2.32 min Scan# 182

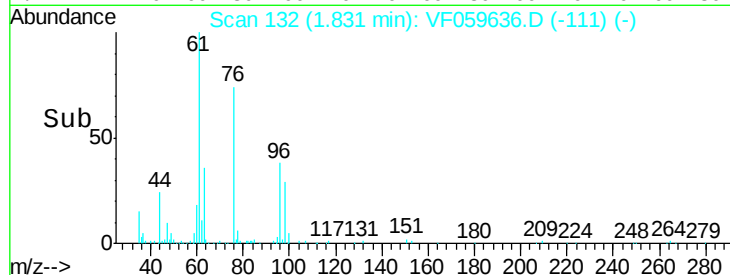
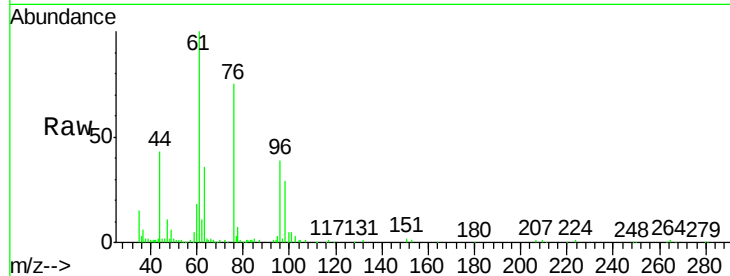
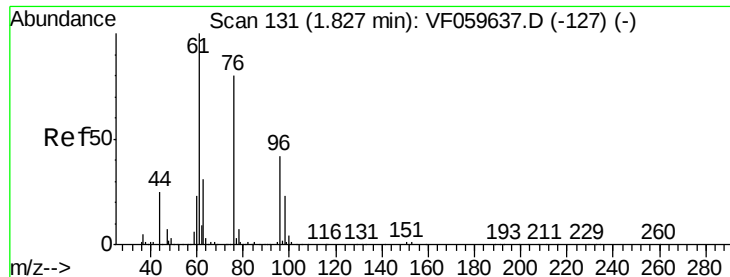
Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Tgt Ion:	43	Resp:	48860
Ion	Ratio	Lower	Upper
43	100		
58	13.0	10.2	15.2





#17

Carbon Disulfide

Concen: 22.399 ug/l m

RT: 1.83 min Scan# 132

Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Tot Ion: 76 Resp: 96542

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6

Instrument :

MSVOA_F

ClientSampleId :

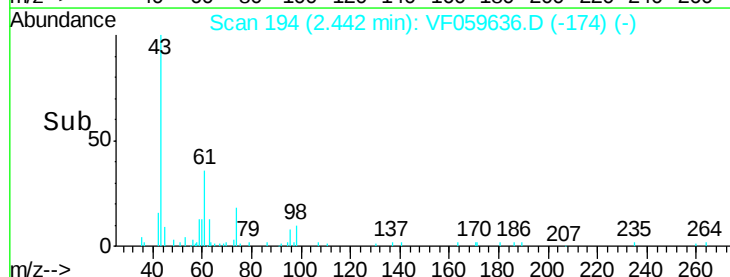
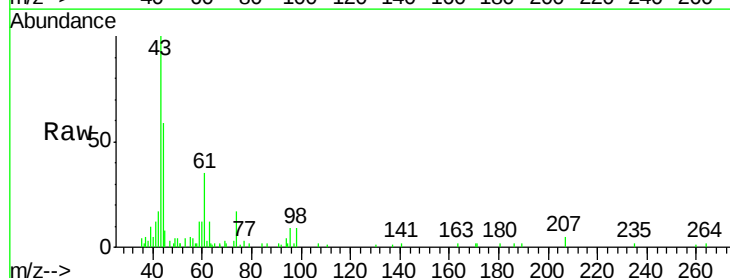
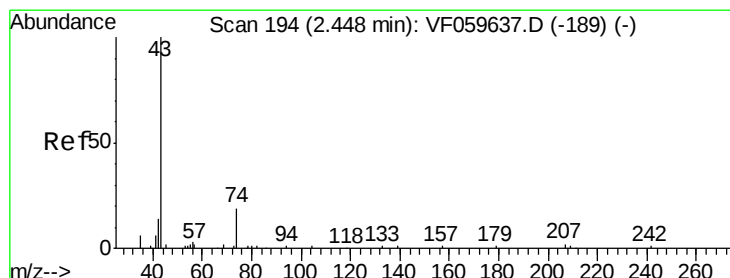
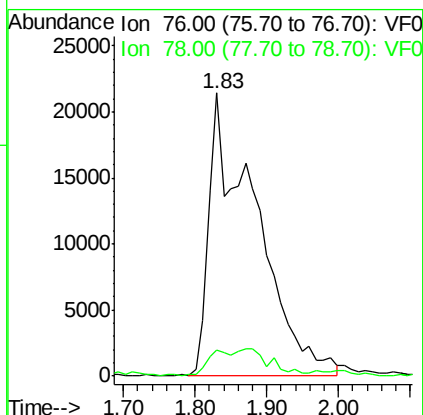
VSTDIC020

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#18

Methyl Acetate

Concen: 16.114 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF059636.D

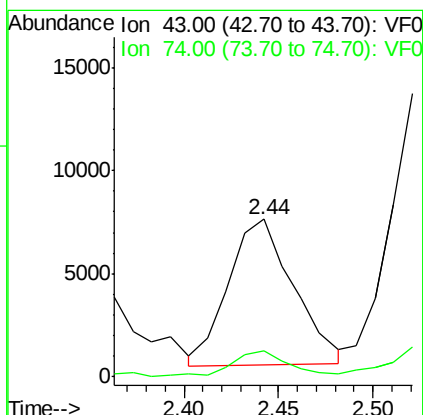
Acq: 24 Jul 2018 17:02

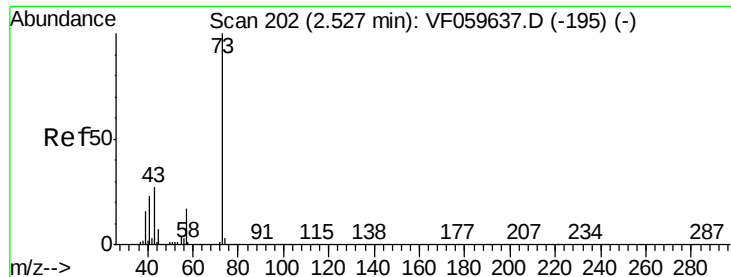
Tgt Ion: 43 Resp: 16954

Ion Ratio Lower Upper

43 100

74 16.7 13.0 19.6





#19

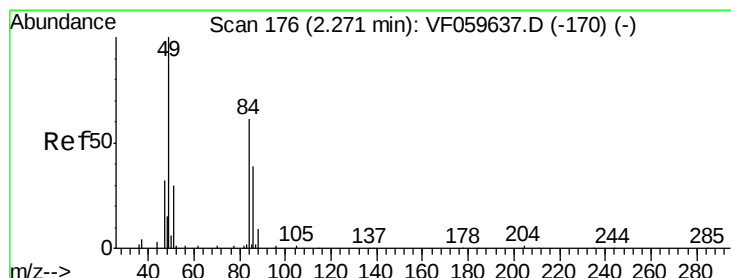
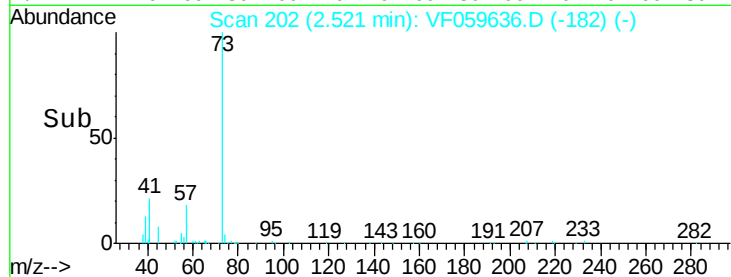
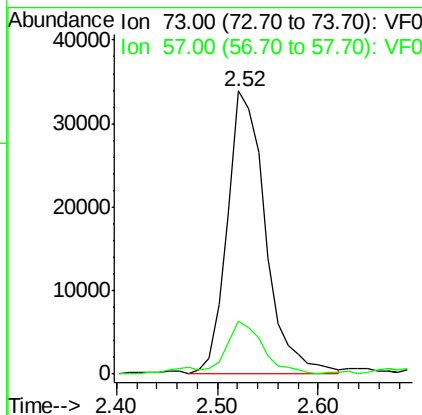
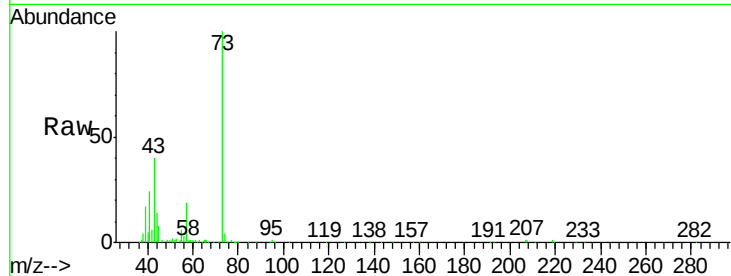
Methyl tert-butyl Ether
 Concen: 18.679 ug/l
 RT: 2.52 min Scan# 202
 Delta R.T. -0.01 min
 Lab File: VF059636.D
 Acq: 24 Jul 2018 17:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.9	14.2	21.4

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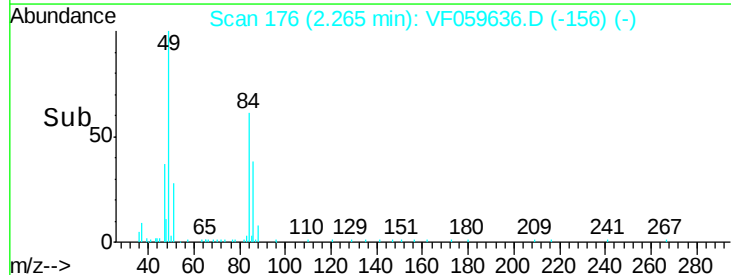
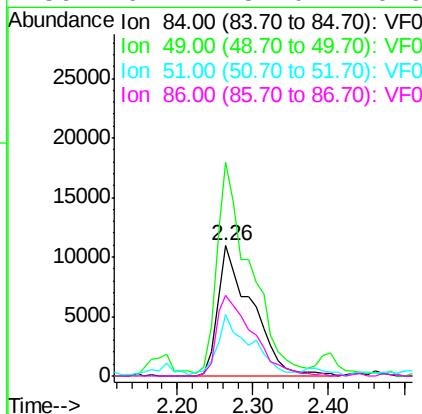
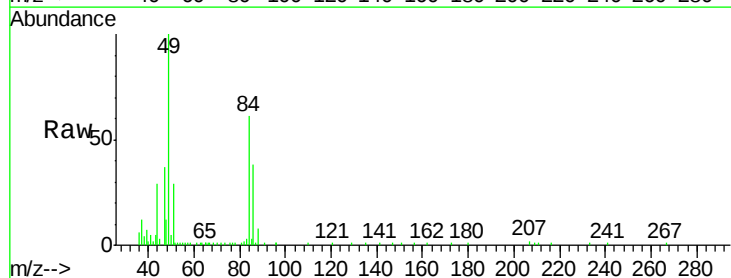
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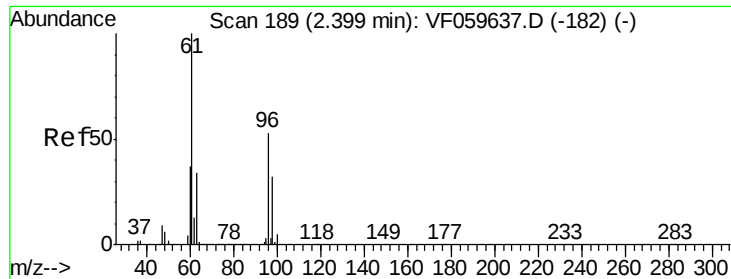


#20

Methylene Chloride
 Concen: 18.393 ug/l
 RT: 2.26 min Scan# 176
 Delta R.T. -0.01 min
 Lab File: VF059636.D
 Acq: 24 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	164.2	133.8	200.8
51	47.6	41.1	61.7
86	62.2	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 20.962 ug/l

RT: 2.39 min Scan# 189

Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

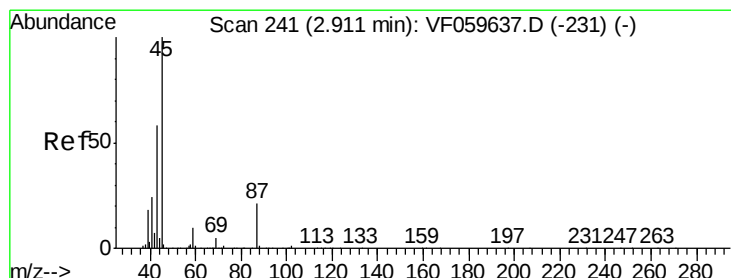
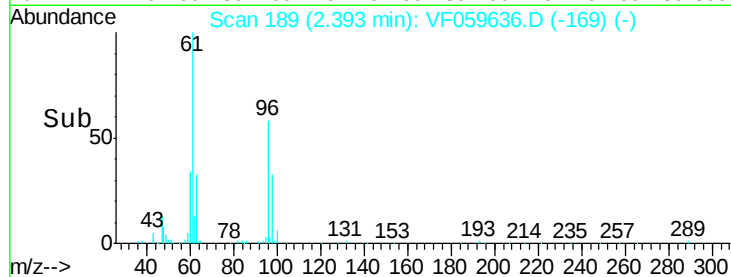
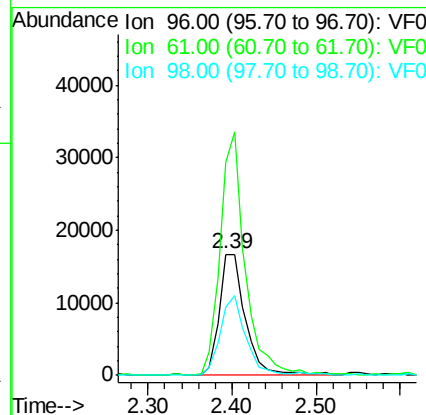
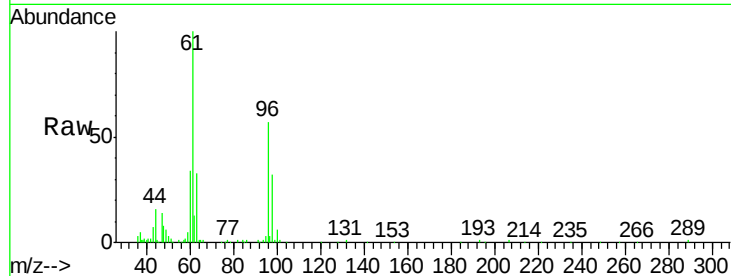
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	36064
Ion	Ratio	Lower	Upper
96	100		
61	176.0	151.4	227.2
98	56.9	49.0	73.6

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#22

Diisopropyl ether

Concen: 20.577 ug/l

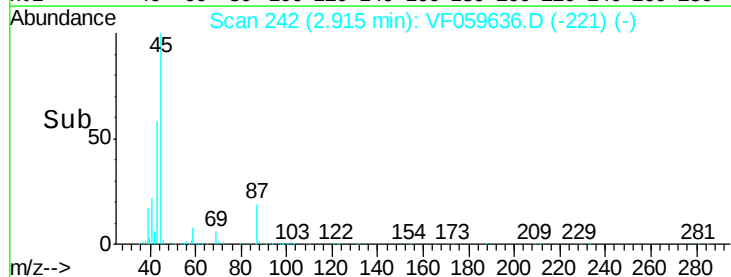
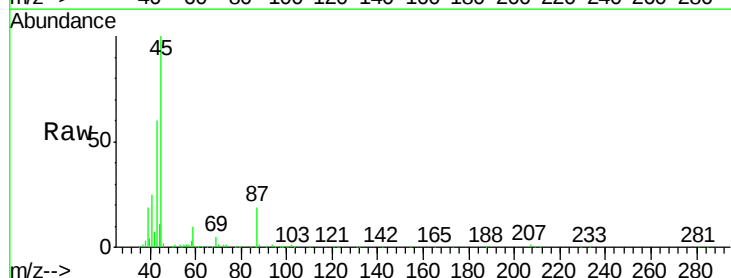
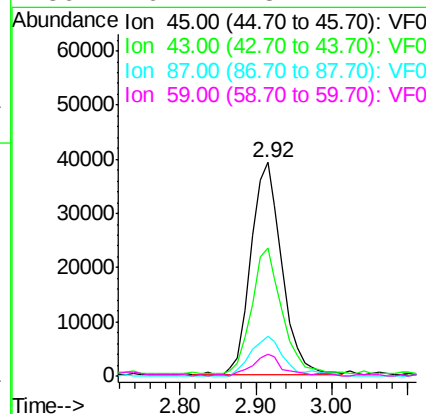
RT: 2.92 min Scan# 242

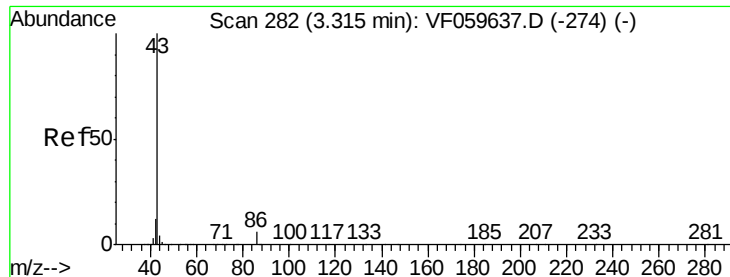
Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Tgt Ion:	45	Resp:	112882
Ion	Ratio	Lower	Upper
45	100		
43	59.9	46.5	69.7
87	18.9	16.5	24.7
59	10.2	8.2	12.2





#23

Vinyl Acetate

Concen: 101.020 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 276171

Ion Ratio Lower Upper

43 100

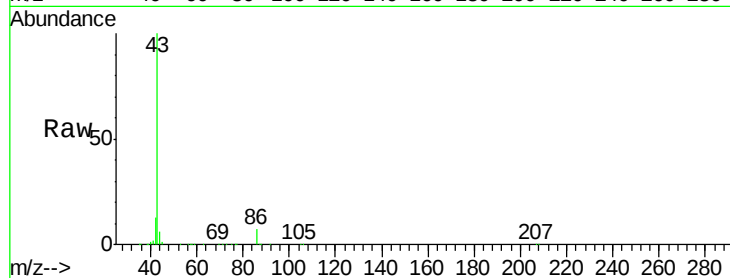
86 6.6 4.5 6.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

120000

100000

80000

60000

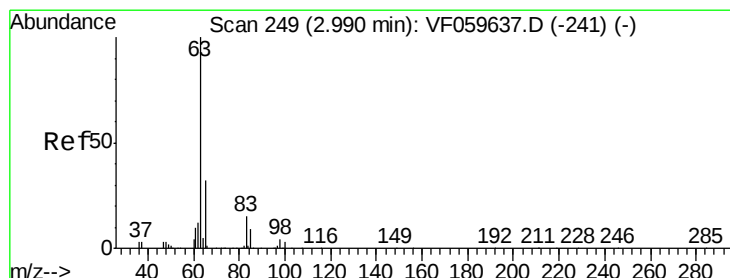
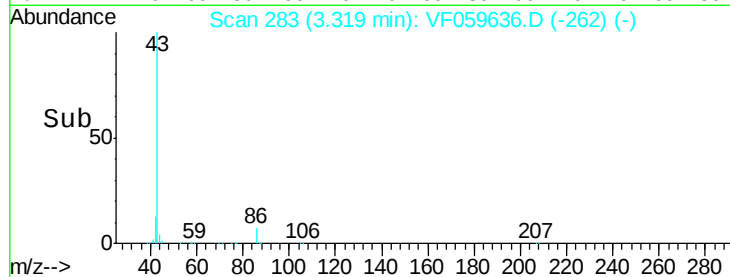
40000

20000

0

3.10 3.20 3.30 3.40 3.50

Time-->



#24

1,1-Dichloroethane

Concen: 20.380 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

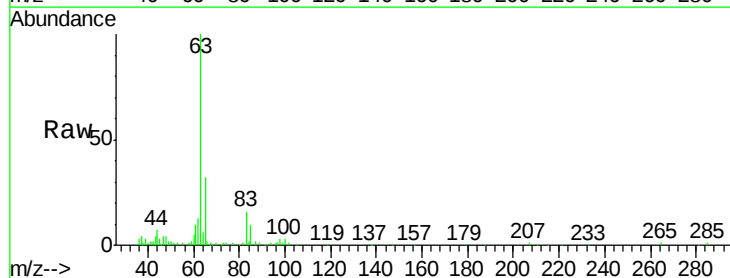
Tgt Ion: 63 Resp: 80533

Ion Ratio Lower Upper

63 100

98 3.2 1.8 5.5

100 3.2 1.3 3.9



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

40000

30000

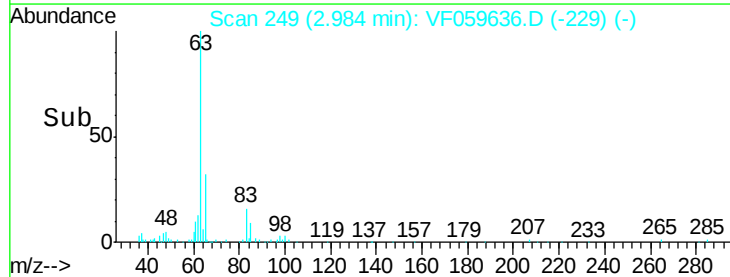
20000

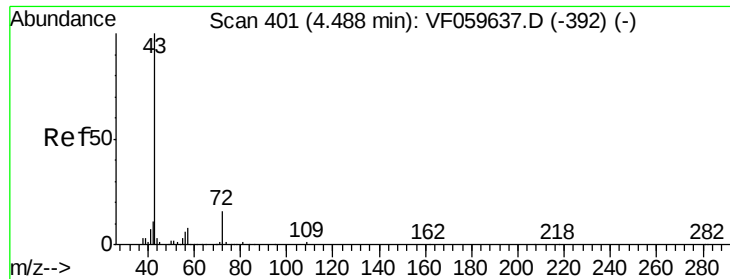
10000

0

2.90 3.00 3.10

Time-->





#25

2-Butanone

Concen: 98.096 ug/l

RT: 4.49 min Scan# 402

Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 63507

Ion Ratio Lower Upper

43 100

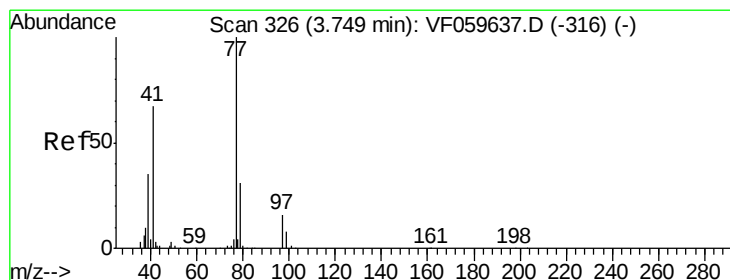
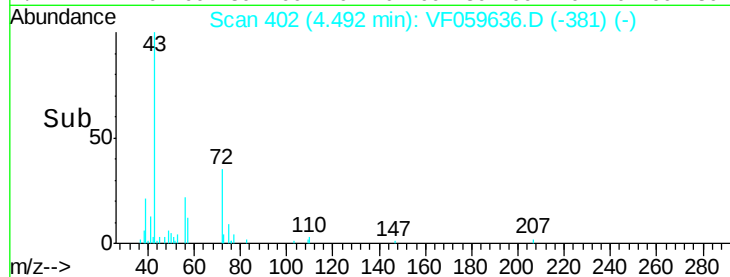
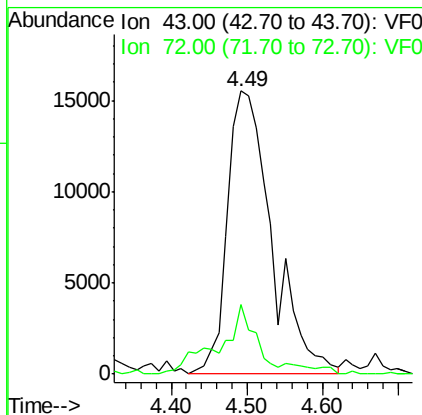
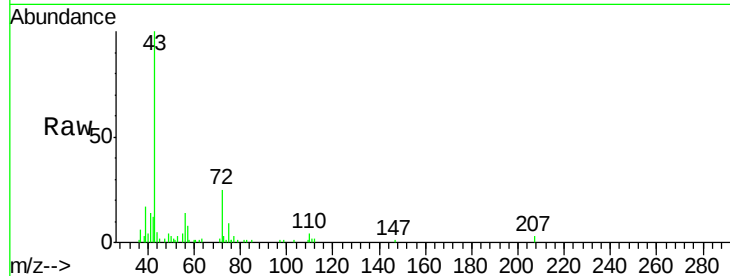
72 24.5 13.5 20.3#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.210 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF059636.D

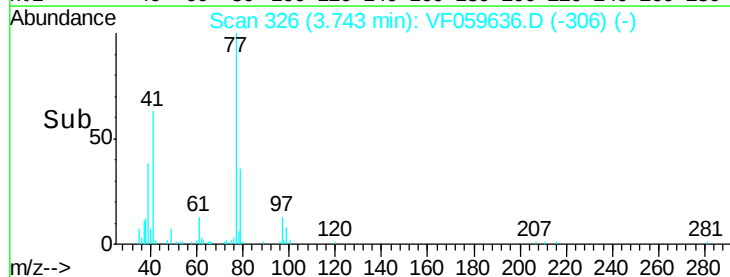
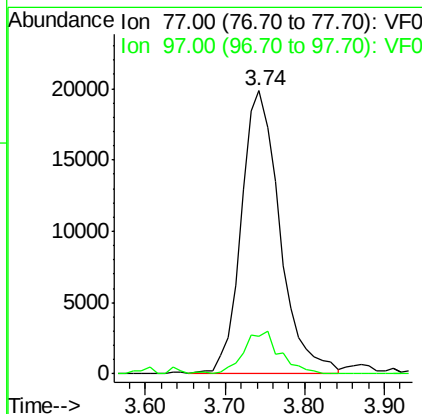
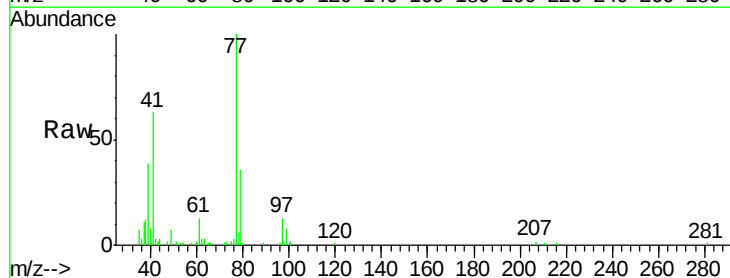
Acq: 24 Jul 2018 17:02

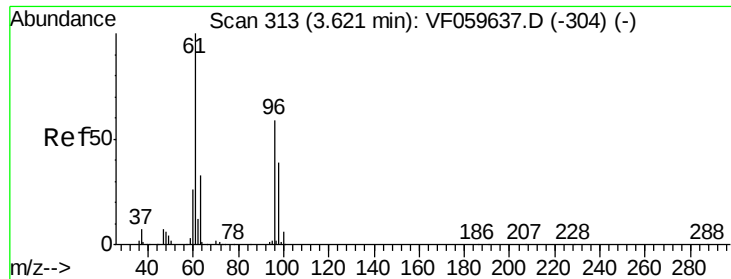
Tgt Ion: 77 Resp: 66486

Ion Ratio Lower Upper

77 100

97 13.2 7.8 23.3





#27

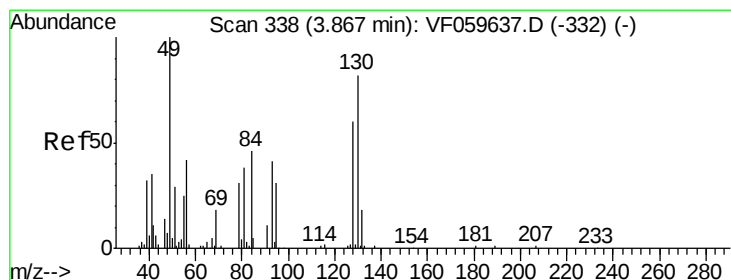
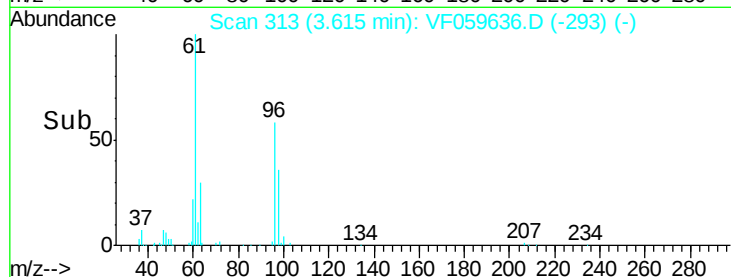
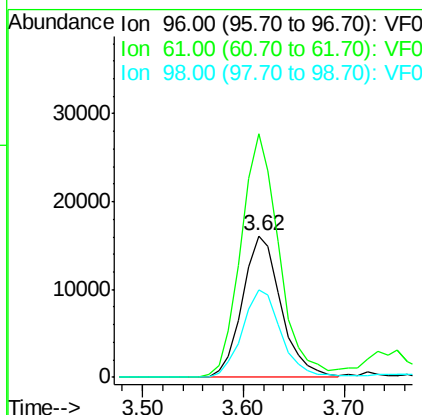
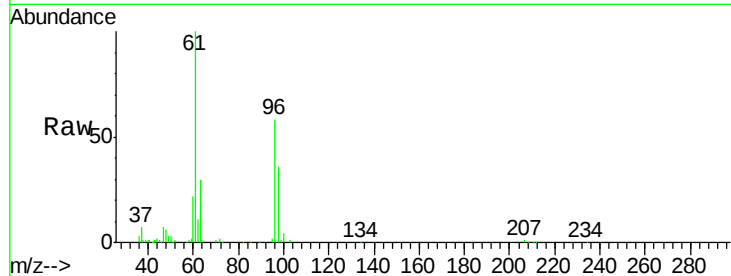
cis-1,2-Dichloroethene
Concen: 21.848 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.01 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	171.9	0.0	337.4
98	61.4	0.0	132.8

Manual Integrations
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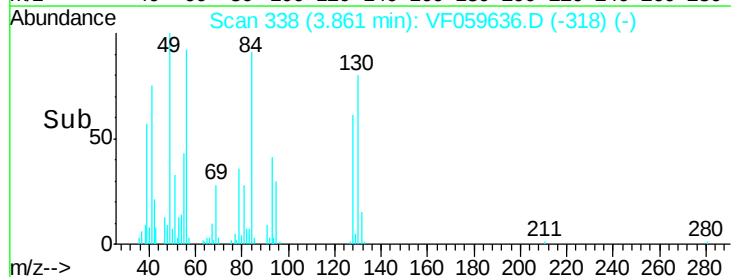
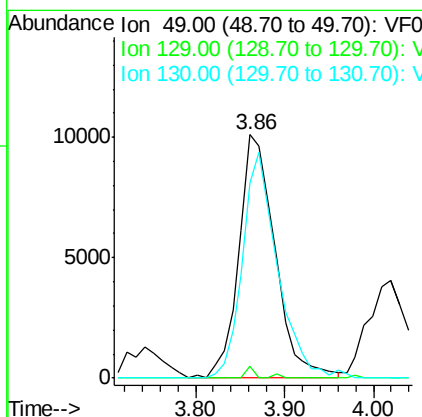
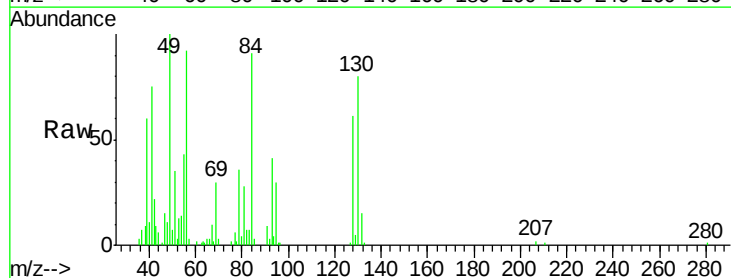
apatel
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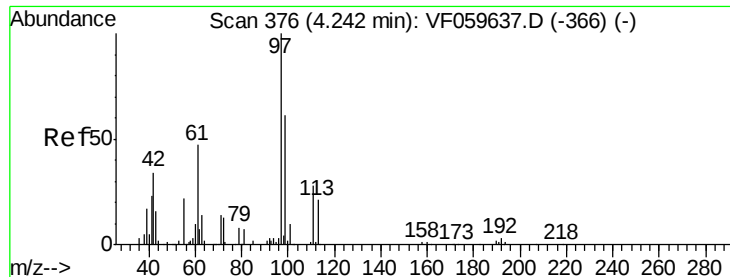


#28

Bromochloromethane
Concen: 19.672 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	4.8	0.0	4.6#
130	80.2	65.0	97.4





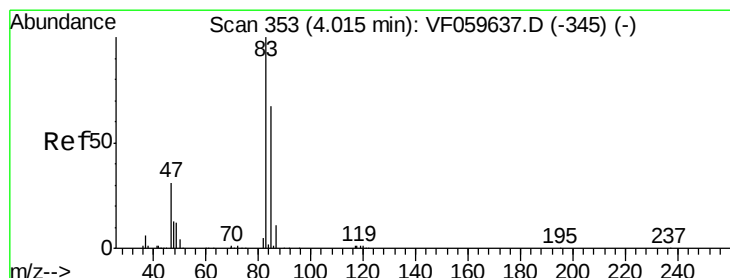
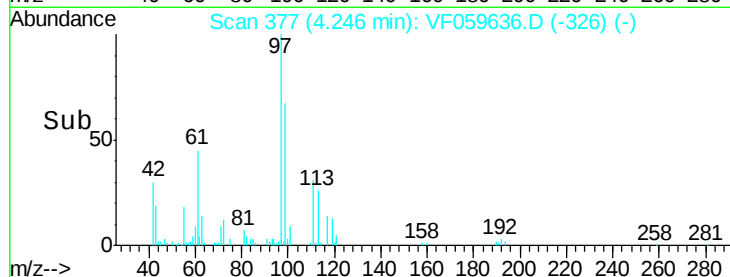
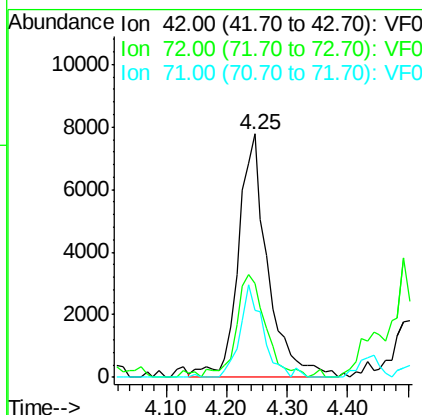
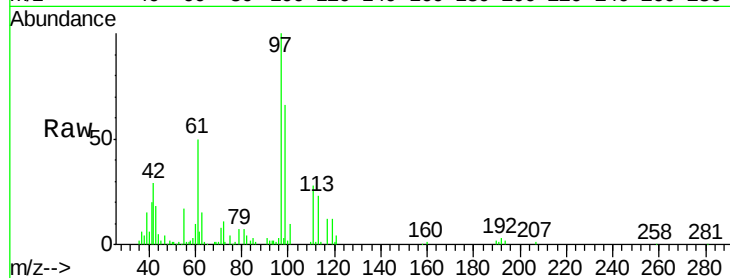
#29
Tetrahydrofuran
Concen: 99.404 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.00 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	30.0	45.0
71	29.1	28.6	42.8

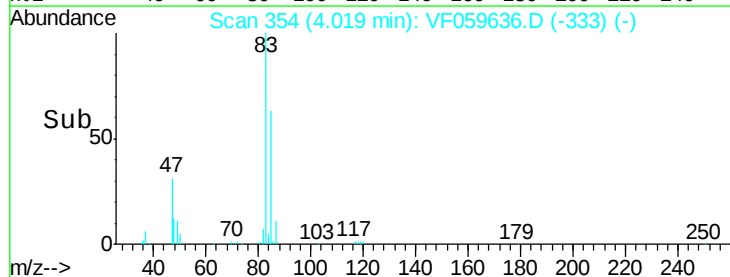
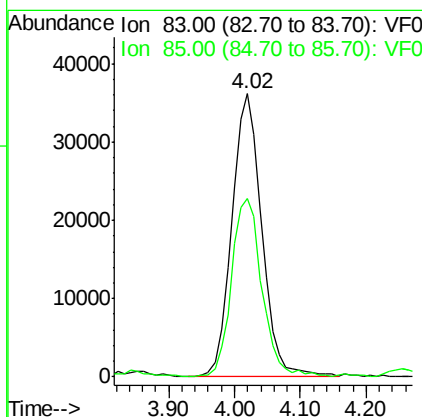
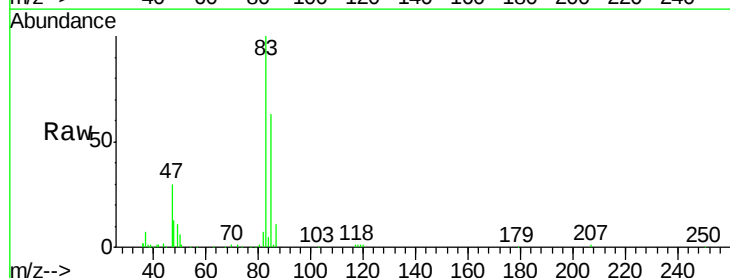
Manual Integrations
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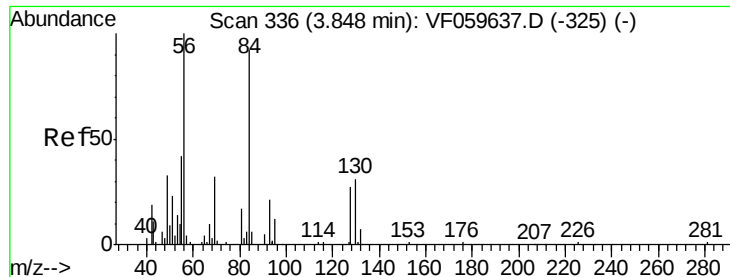
apatel
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#30
Chloroform
Concen: 21.150 ug/l
RT: 4.02 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	53.8	80.8





#31

Cyclohexane

Concen: 21.413 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

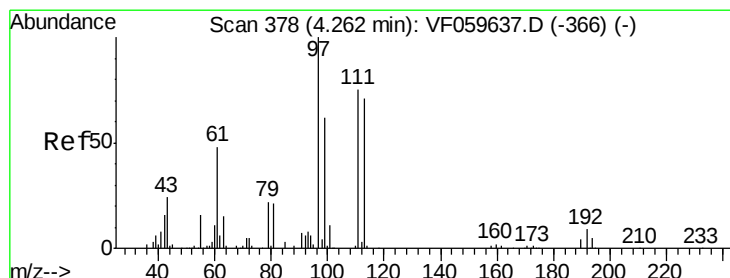
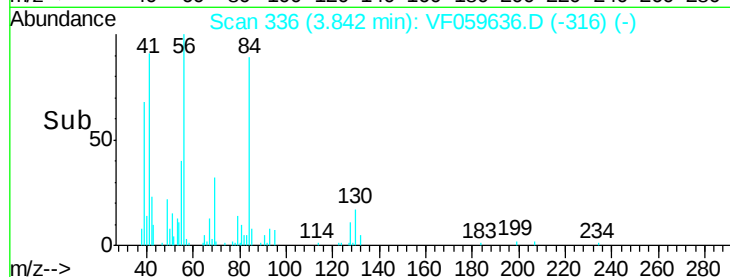
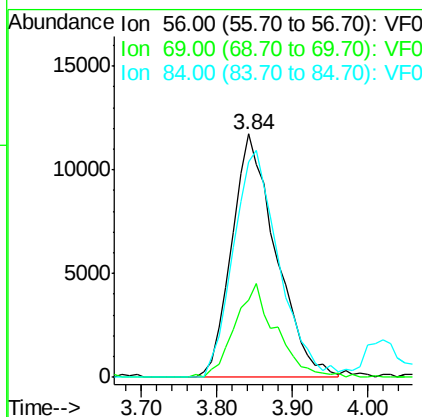
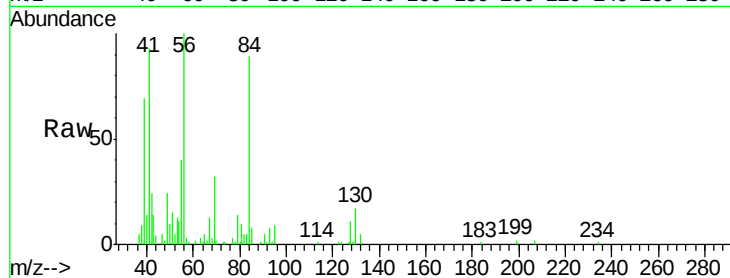
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	47433
Ion	Ratio	Lower	Upper
56	100		
69	31.6	26.0	39.0
84	88.5	73.5	110.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.336 ug/l

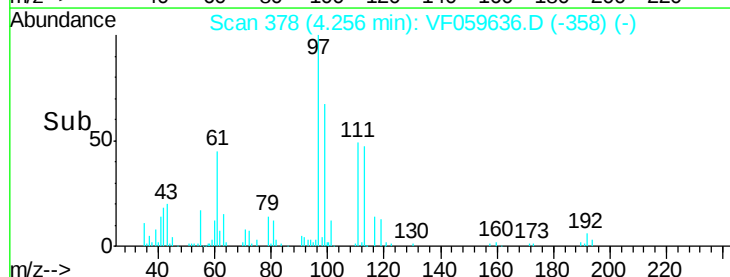
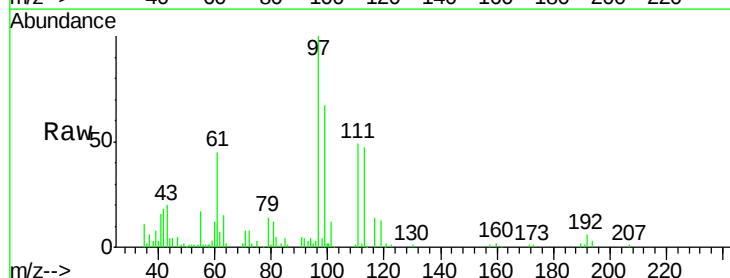
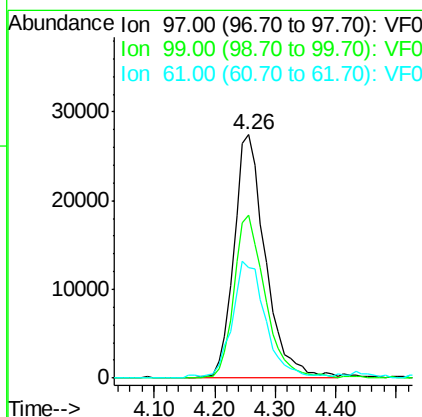
RT: 4.26 min Scan# 378

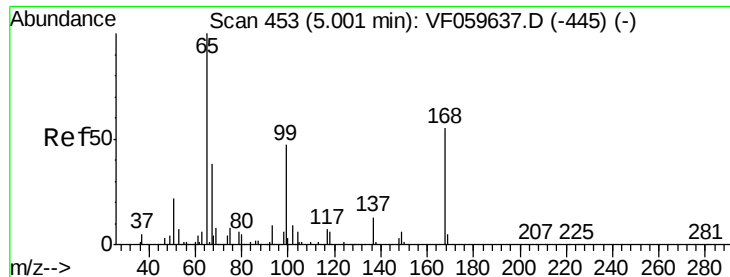
Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Tgt Ion:	97	Resp:	99226
Ion	Ratio	Lower	Upper
97	100		
99	67.2	49.8	74.6
61	45.2	38.9	58.3





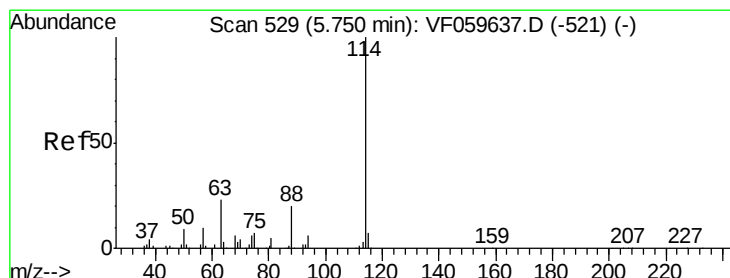
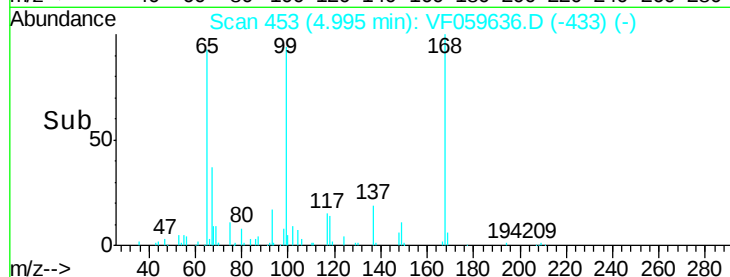
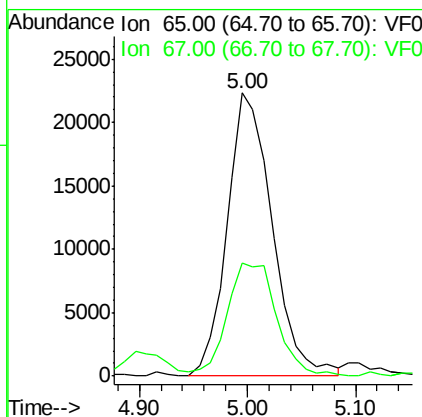
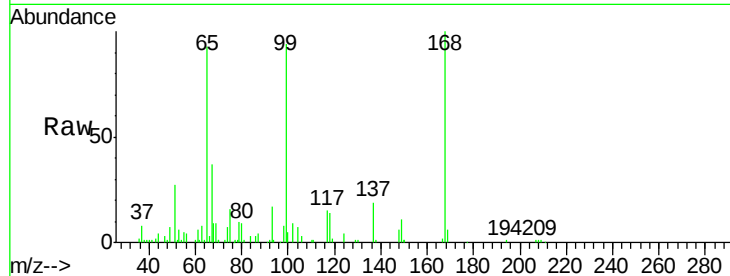
#33
 1,2-Dichloroethane-d4
 Concen: 17.538 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF059636.D
 Acq: 24 Jul 2018 17:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	40.0	0.0	86.6

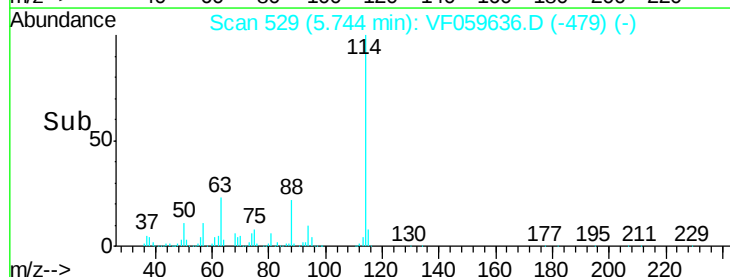
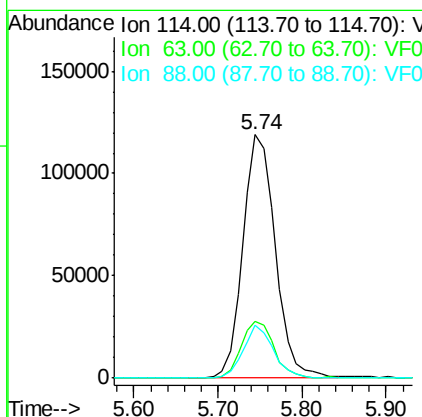
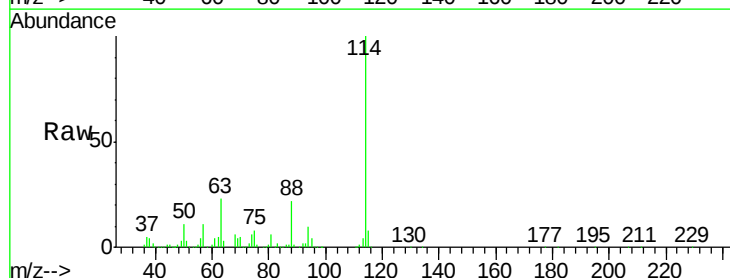
Manual Integrations
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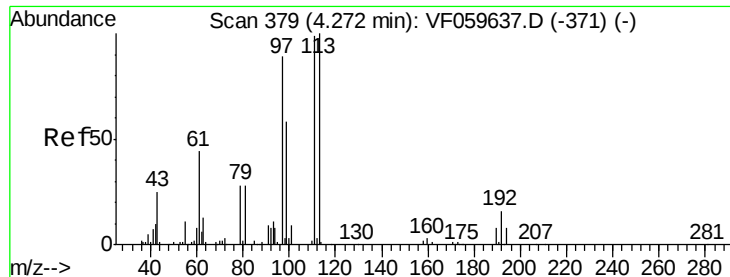
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.74 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF059636.D
 Acq: 24 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	45.6
88	21.8	0.0	40.8





#35

Dibromofluoromethane

Concen: 20.223 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

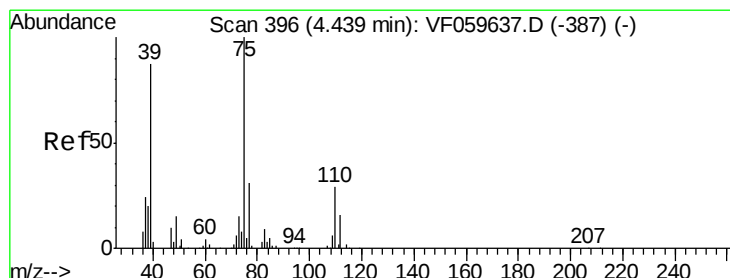
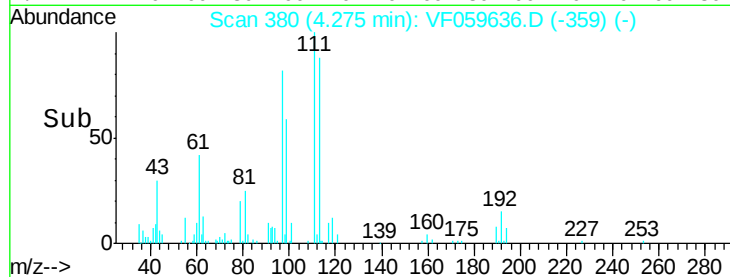
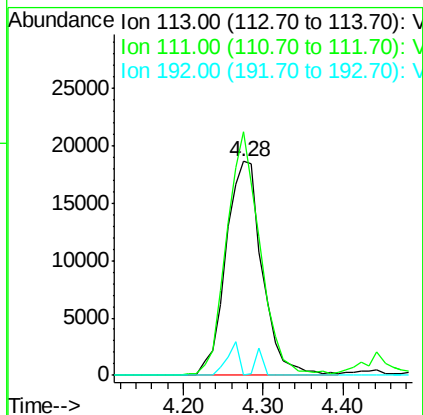
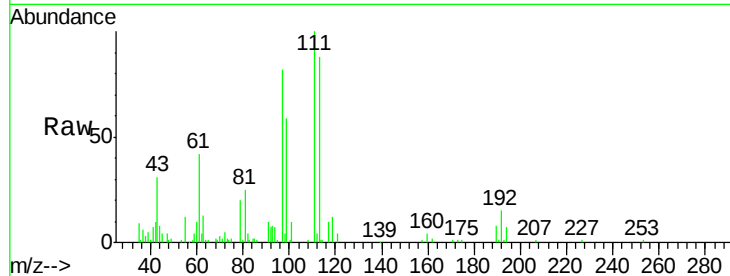
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	112.3	79.3	118.9
192	0.0	13.4	20.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.804 ug/l

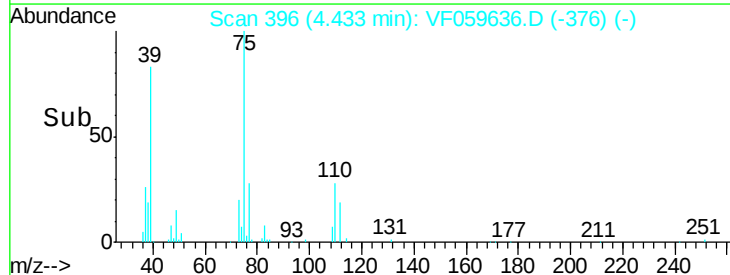
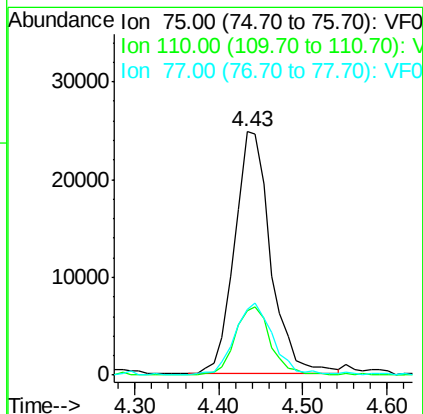
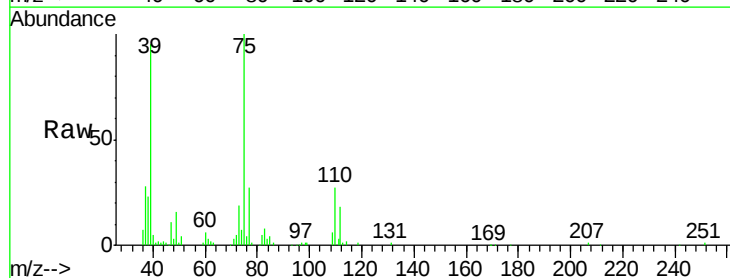
RT: 4.43 min Scan# 396

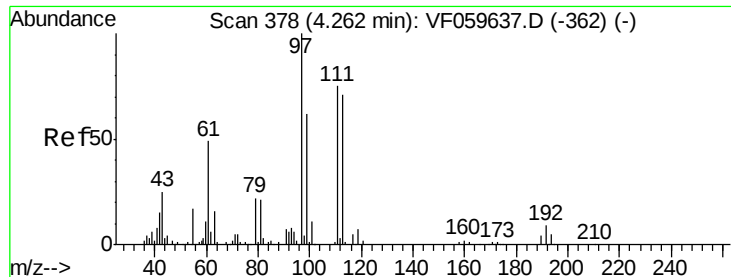
Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	26.5	14.6	43.8
77	26.9	24.4	36.6





#37

Ethyl Acetate

Concen: 21.375 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

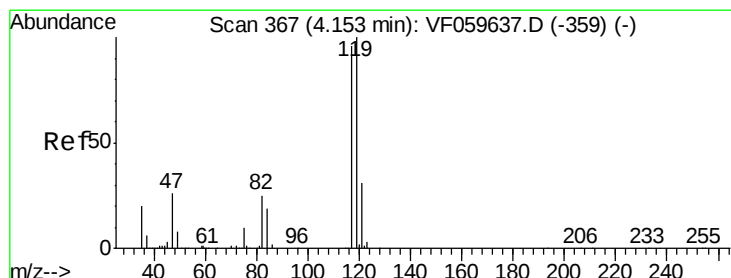
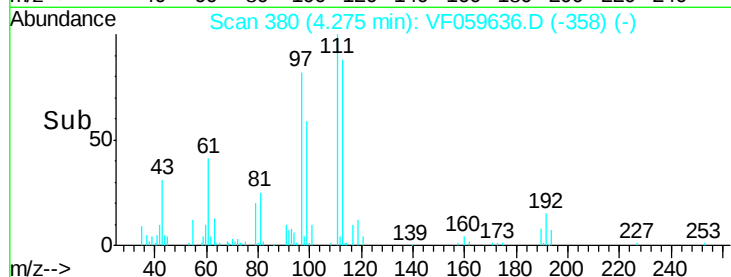
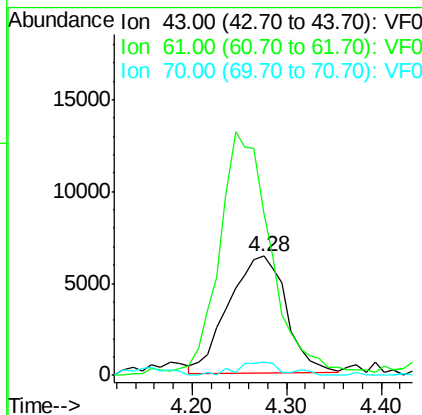
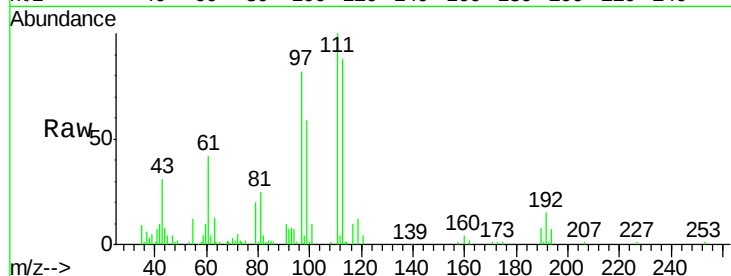
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	27117
Ion Ratio	Lower	Upper	
43	100		
61	135.9	156.6	234.8#
70	11.2	7.3	10.9#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 20.538 ug/l

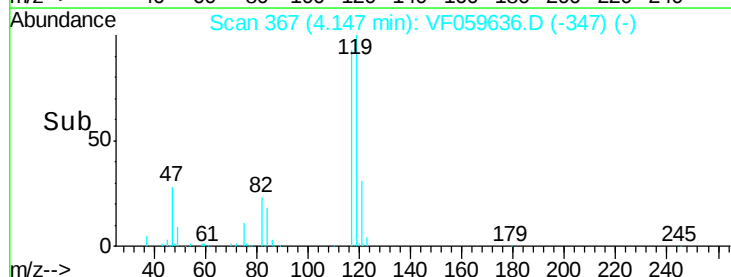
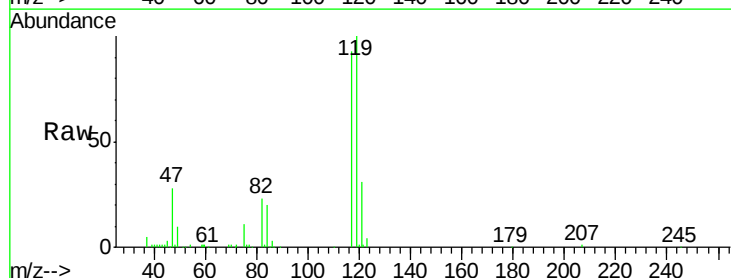
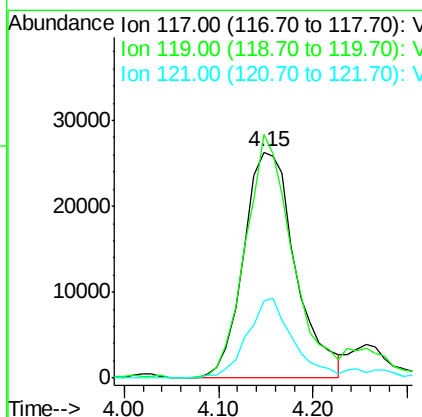
RT: 4.15 min Scan# 367

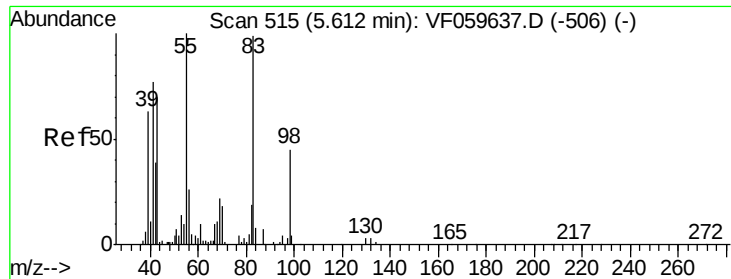
Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Tgt Ion:	117	Resp:	100223
Ion Ratio	Lower	Upper	
117	100		
119	107.8	83.0	124.6
121	34.1	26.2	39.4





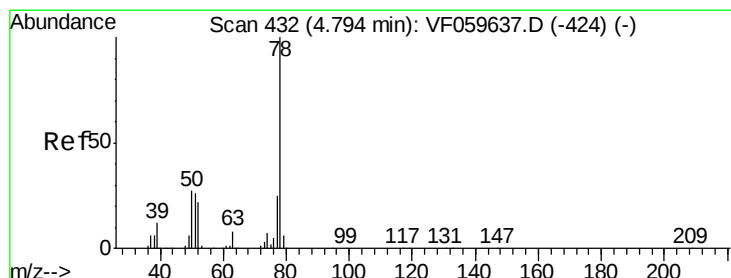
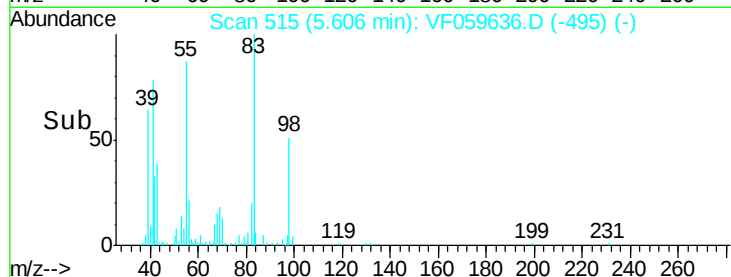
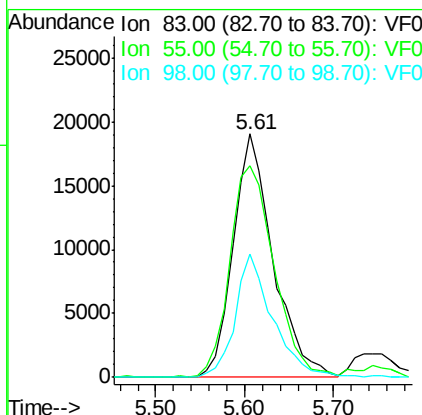
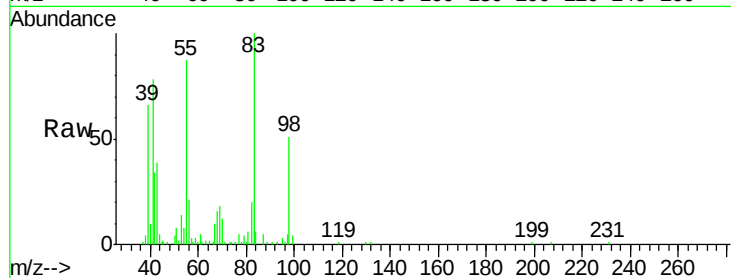
#39
Methvlcvclohexane
Concen: 22.815 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.01 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.8	81.5	122.3
98	50.7	36.7	55.1

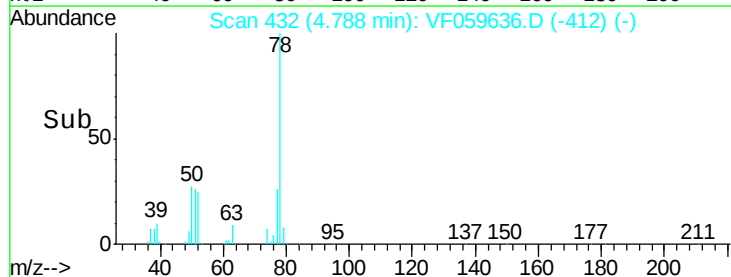
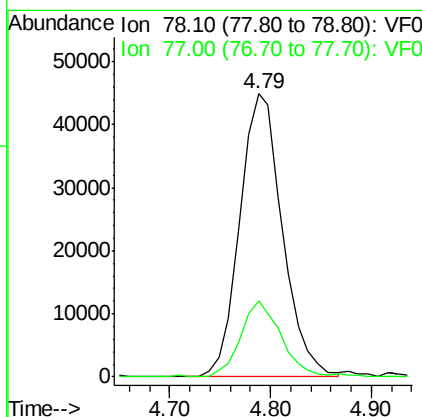
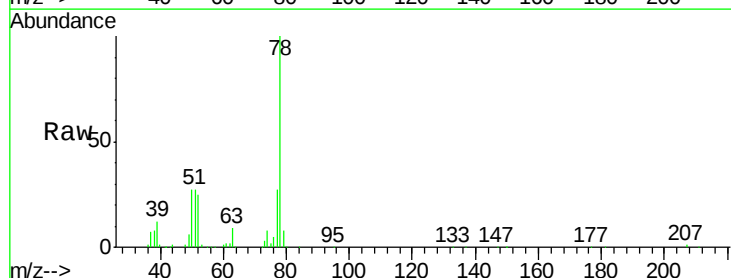
Manual Integrations
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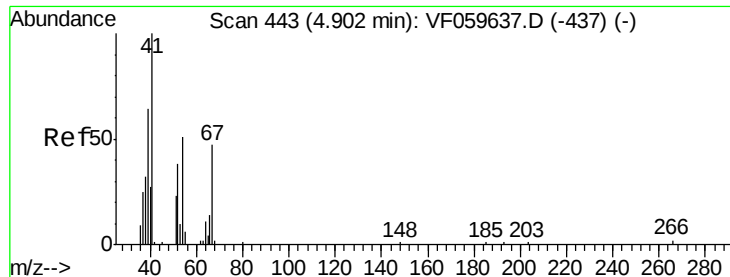
apatel
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#40
Benzene
Concen: 22.397 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.01 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.7	19.8	29.6





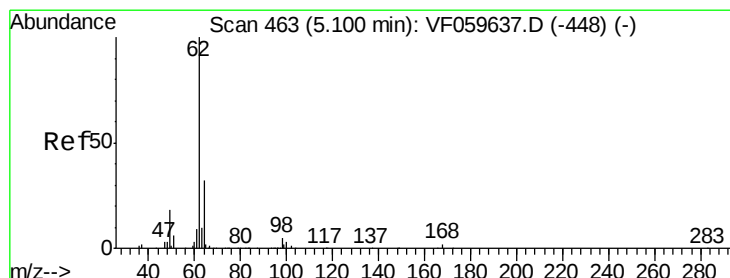
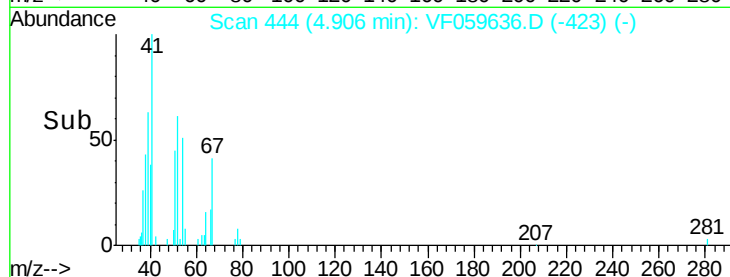
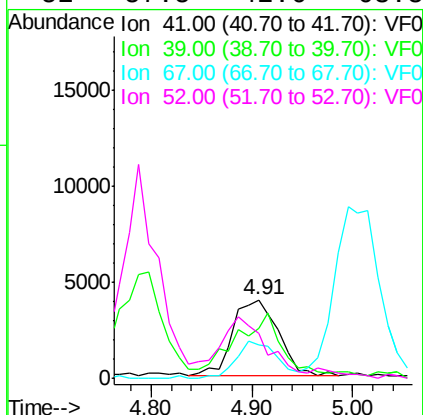
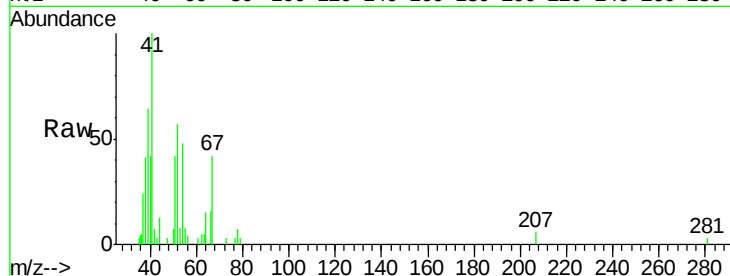
#41
Methacrylonitrile
Concen: 20.151 ug/l
RT: 4.91 min Scan# 444
Delta R.T. 0.00 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	41	Resp	12627
Ion Ratio	Lower	Upper	
41	100		
39	64.2	56.9	85.3
67	41.9	36.6	54.8
52	57.5	42.6	63.8

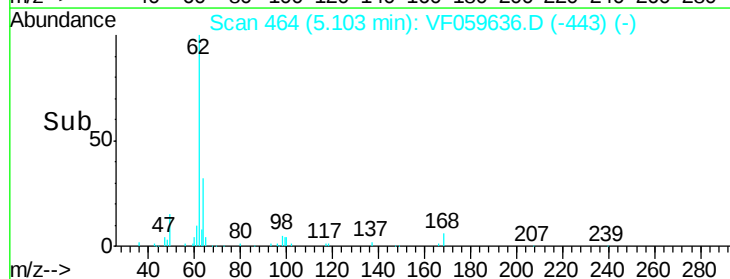
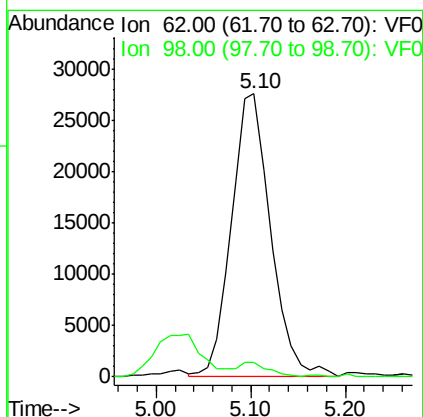
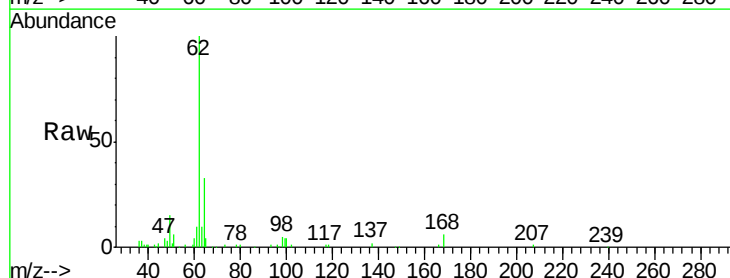
Manual Integrations
APPROVED

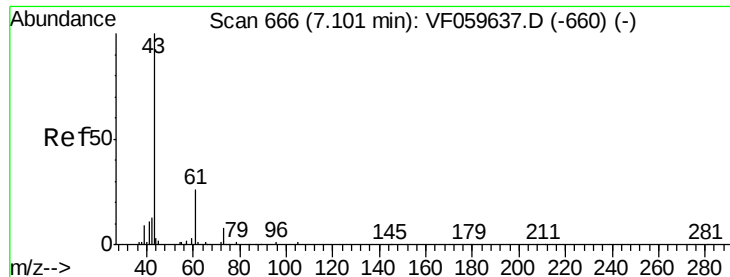
apatel
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#42
1,2-Dichloroethane
Concen: 20.363 ug/l
RT: 5.10 min Scan# 464
Delta R.T. 0.00 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Tgt Ion	62	Resp	79399
Ion Ratio	Lower	Upper	
62	100		
98	5.3	0.0	10.6





#43

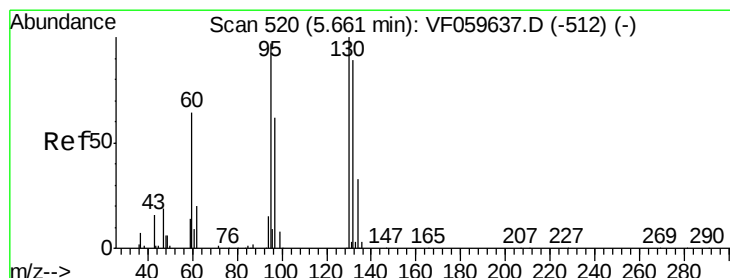
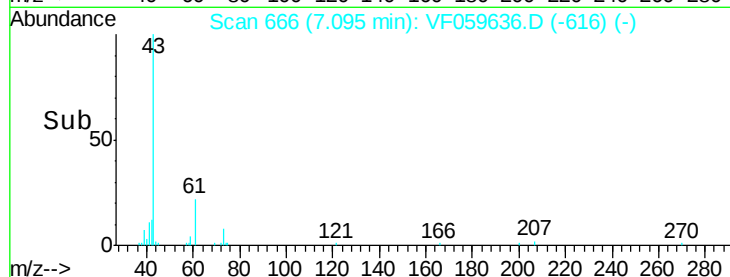
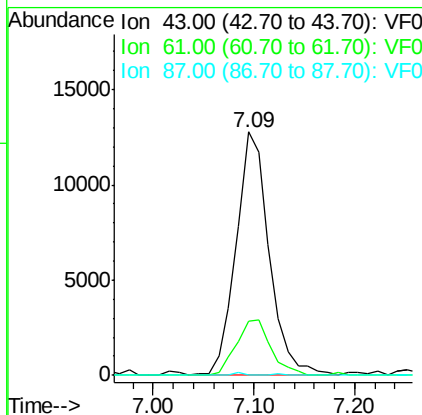
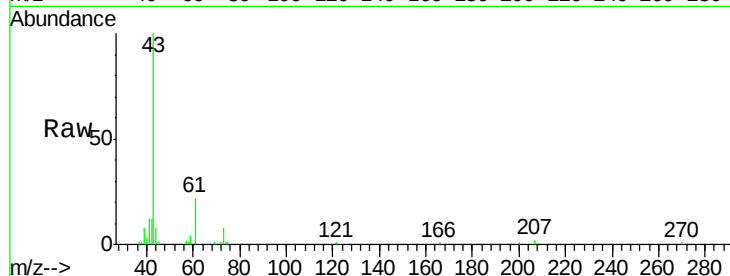
Isopropyl Acetate
 Concen: 18.554 ug/l
 RT: 7.09 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: VF059636.D
 Acq: 24 Jul 2018 17:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.1	20.5	30.7
87	0.0	0.4	0.6

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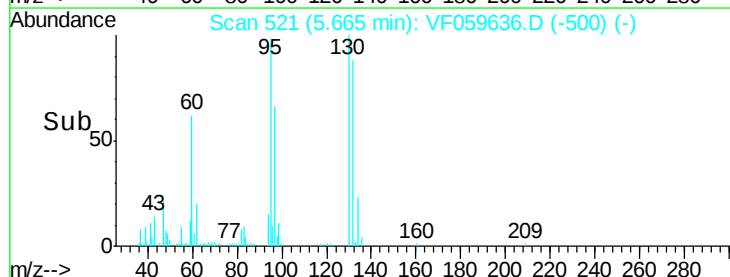
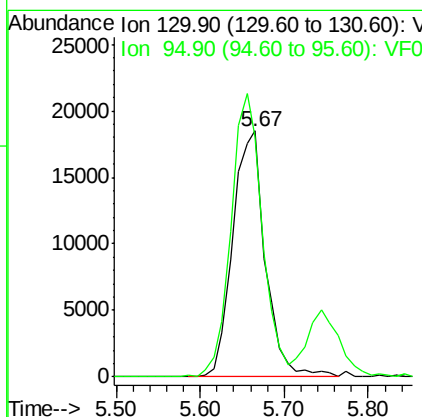
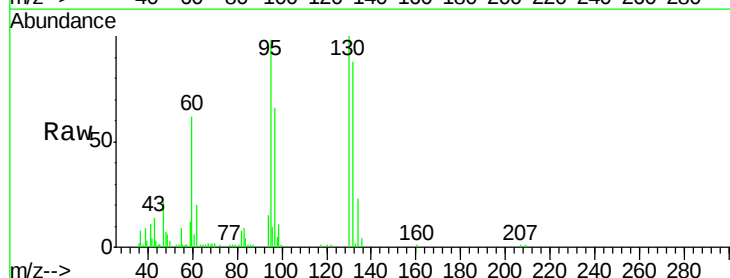
apatel
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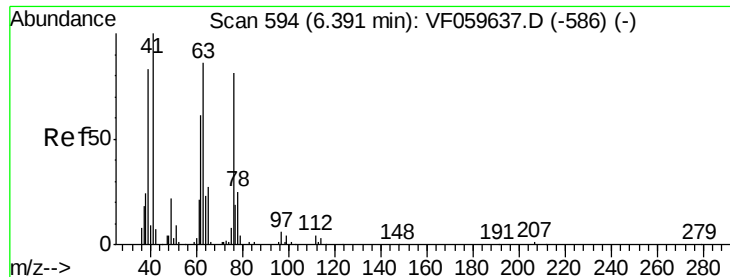


#44

Trichloroethene
 Concen: 22.039 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VF059636.D
 Acq: 24 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	193.4





#45

1,2-Dichloropropane

Concen: 22.064 ug/l

RT: 6.38 min Scan# 594

Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 34771

Ion Ratio Lower Upper

63 100

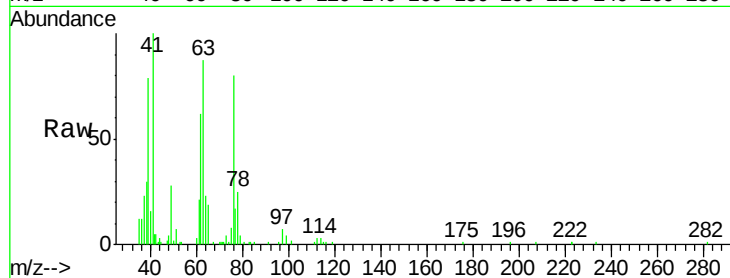
65 22.1 25.1 37.7#

Manual Integrations

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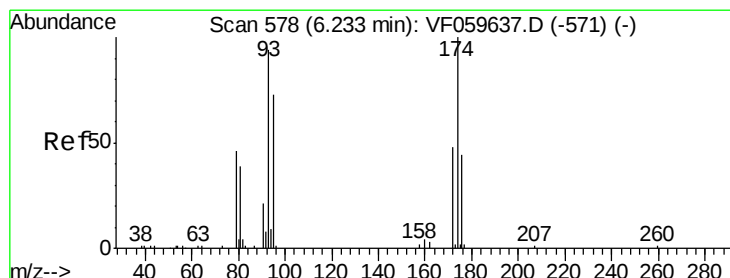
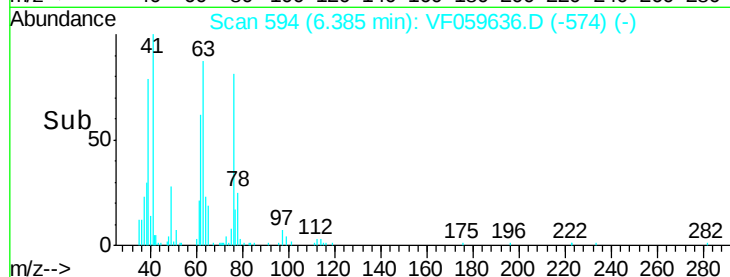
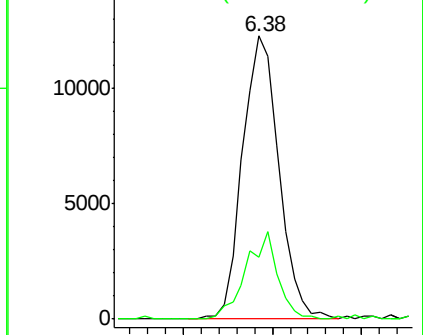
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 23.024 ug/l

RT: 6.24 min Scan# 579

Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

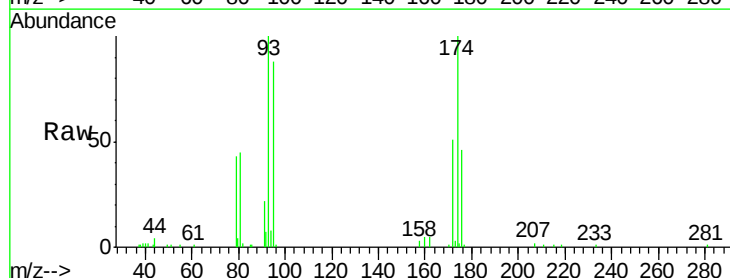
Tgt Ion: 93 Resp: 29495

Ion Ratio Lower Upper

93 100

95 88.1 63.1 94.7

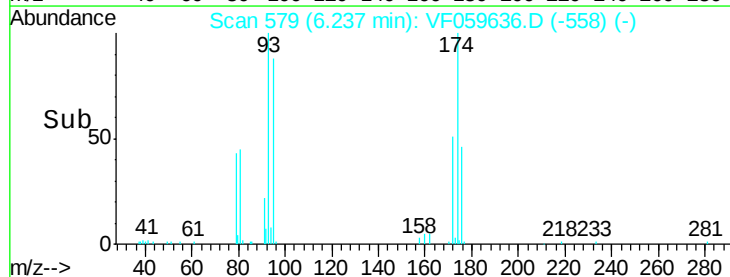
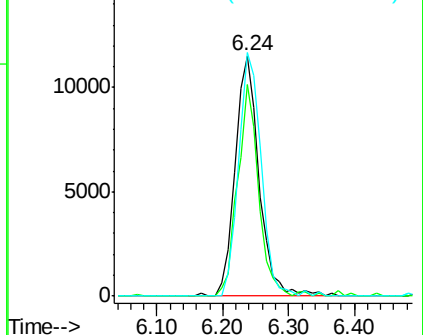
174 101.3 85.3 127.9

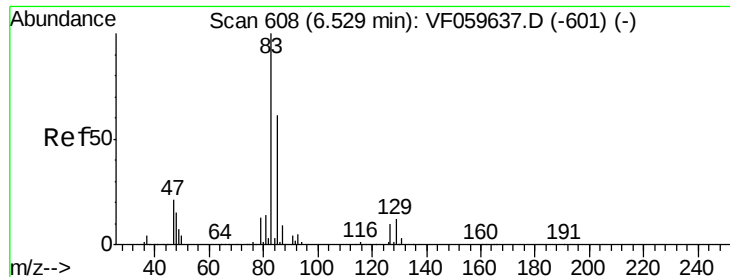


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 21.618 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

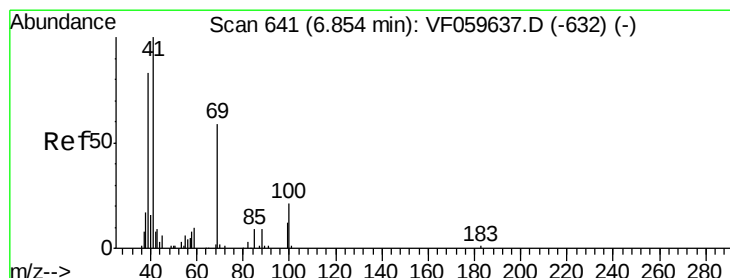
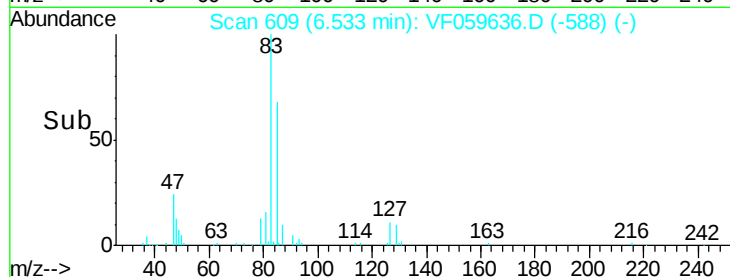
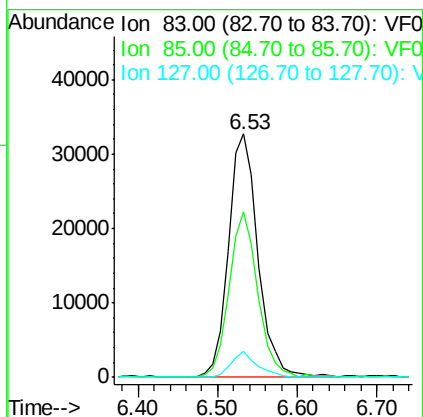
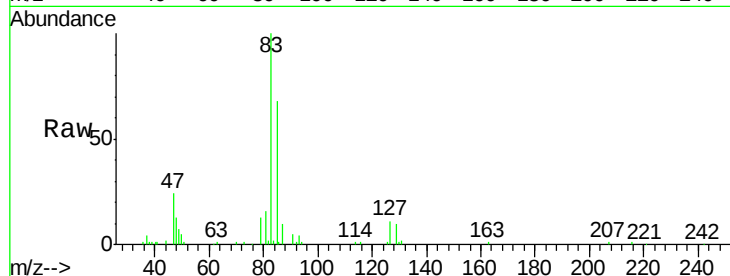
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	84806
Ion	Ratio	Lower	Upper
83	100		
85	67.9	48.6	72.8
127	10.9	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.466 ug/l

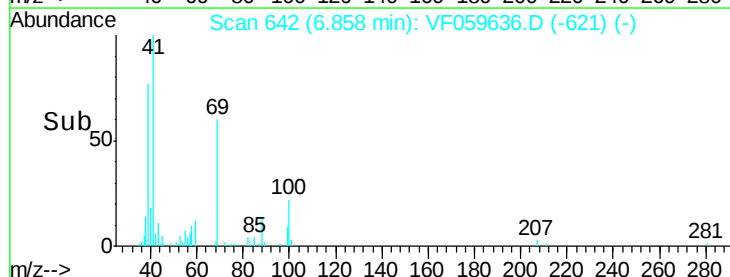
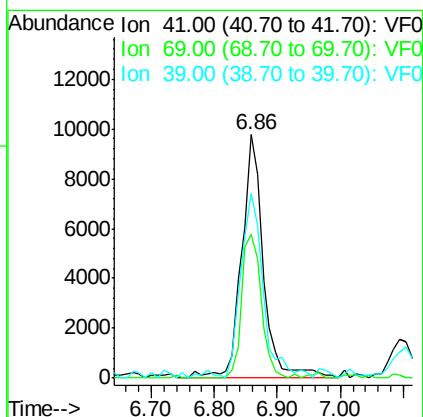
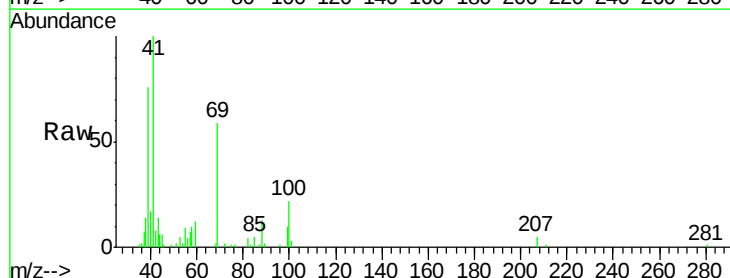
RT: 6.86 min Scan# 642

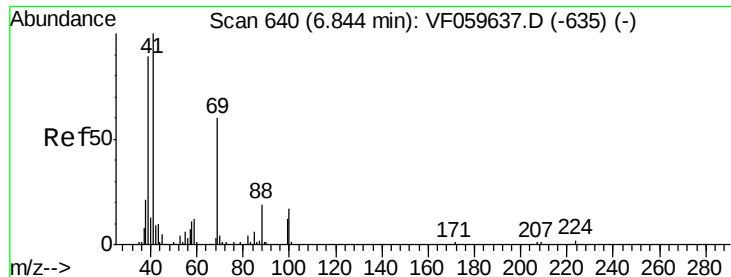
Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Tgt Ion:	41	Resp:	23414
Ion	Ratio	Lower	Upper
41	100		
69	59.0	47.5	71.3
39	75.7	67.0	100.6





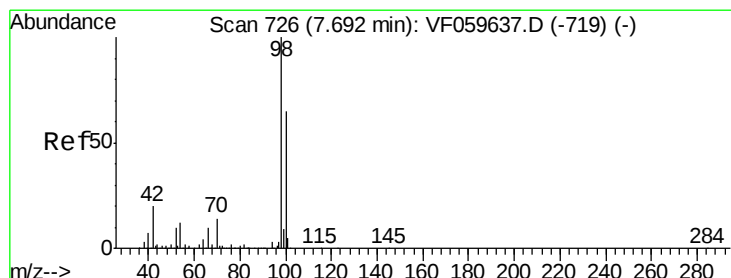
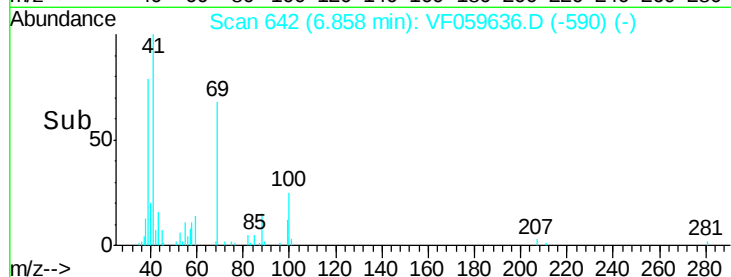
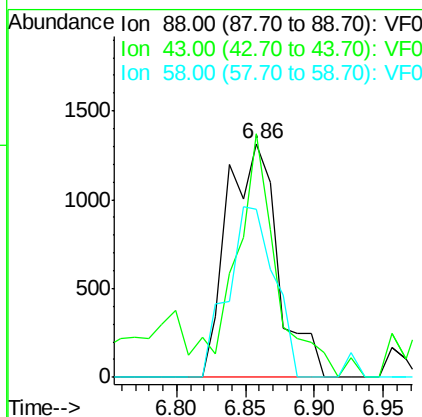
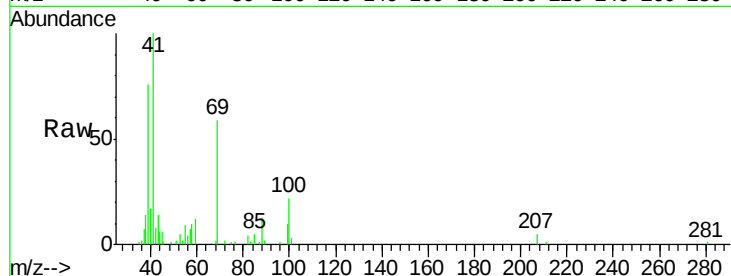
#49
1,4-Dioxane
Concen: 400.691 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.01 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	104.2	45.3	67.9#
58	72.0	47.7	71.5#

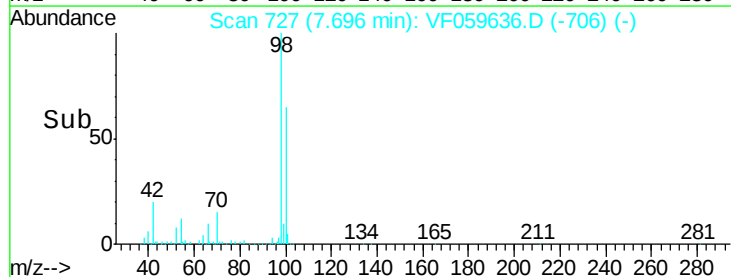
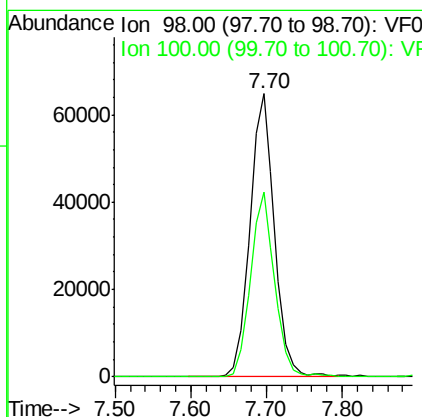
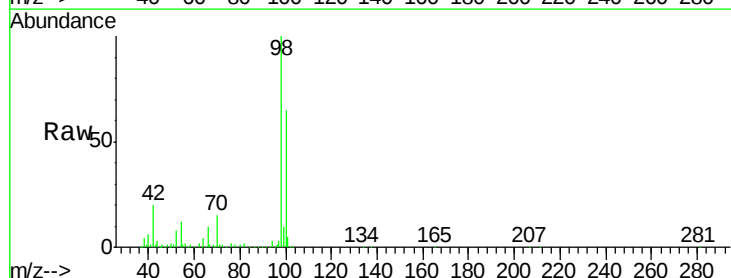
Manual Integrations
APPROVED

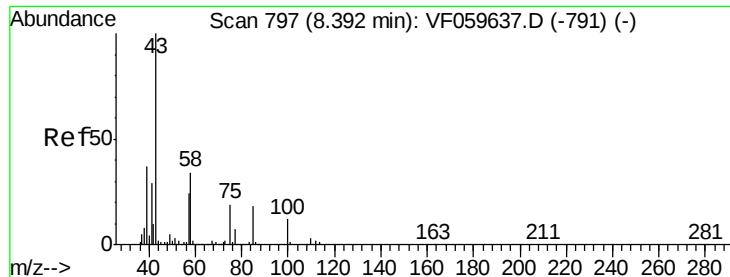
apatel
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#50
Toluene-d8
Concen: 19.816 ug/l
RT: 7.70 min Scan# 727
Delta R.T. 0.00 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 96.450 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 113988

Ion Ratio Lower Upper

43 100

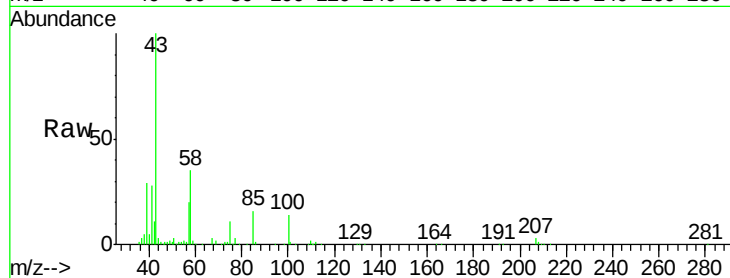
58 34.9 27.3 40.9

Manual Integrations

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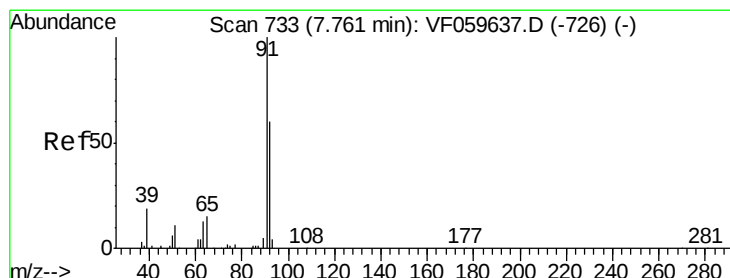
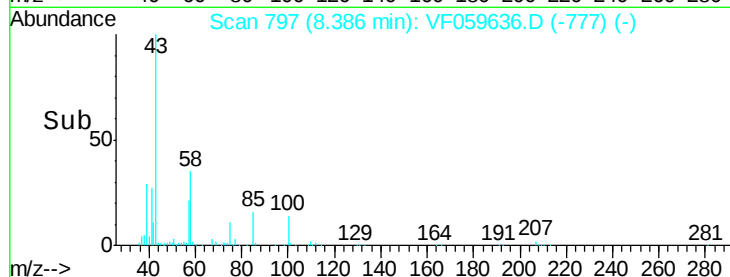
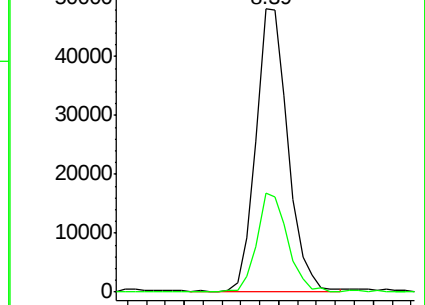
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.775 ug/l

RT: 7.76 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059636.D

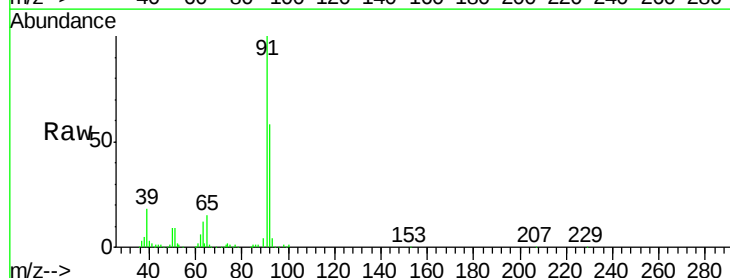
Acq: 24 Jul 2018 17:02

Tgt Ion: 92 Resp: 97060

Ion Ratio Lower Upper

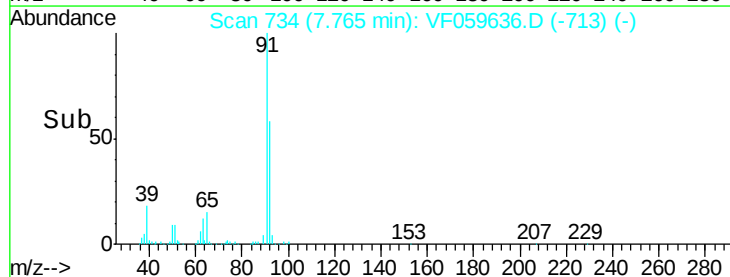
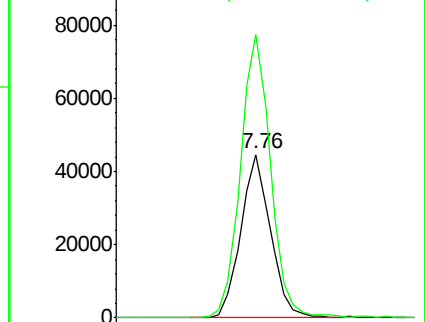
92 100

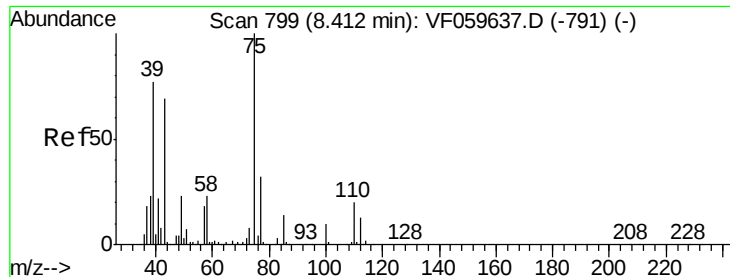
91 173.5 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





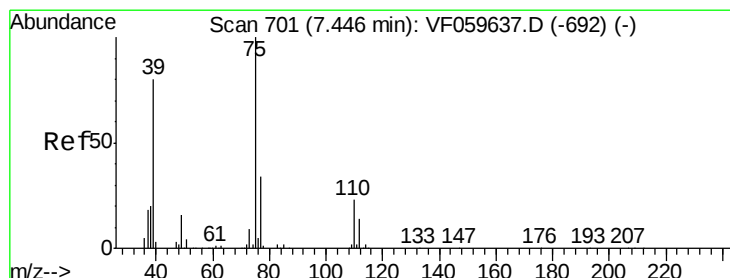
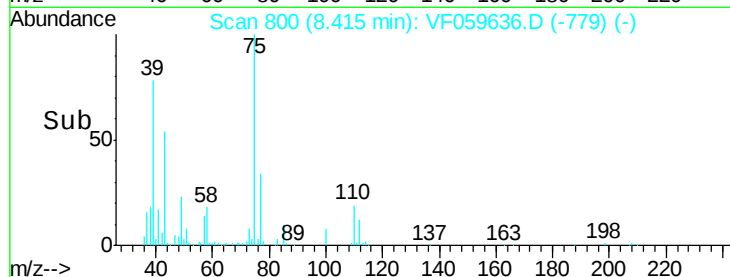
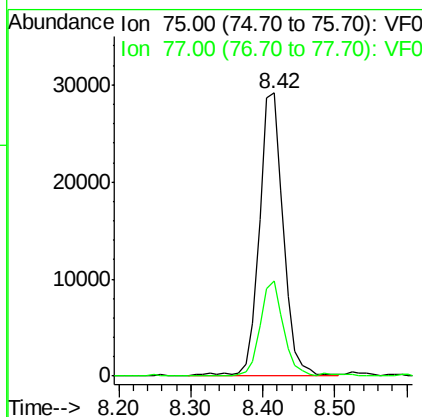
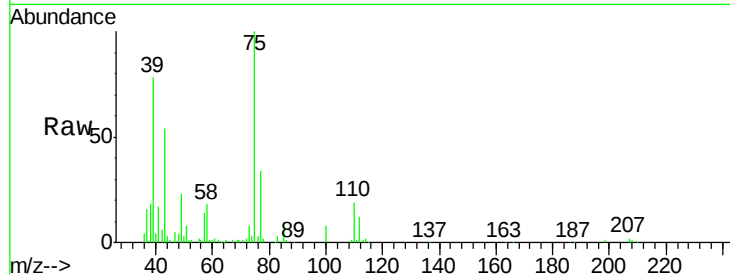
#53
t-1,3-Dichloropropene
Concen: 20.676 ug/l
RT: 8.42 min Scan# 800
Delta R.T. 0.00 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 67888
Ion Ratio Lower Upper
75 100
77 33.8 25.2 37.8

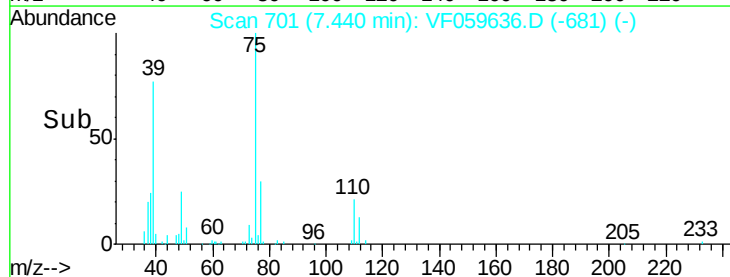
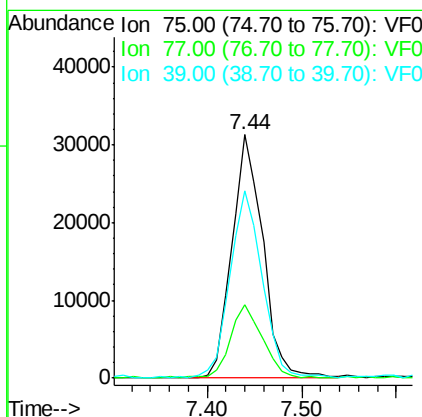
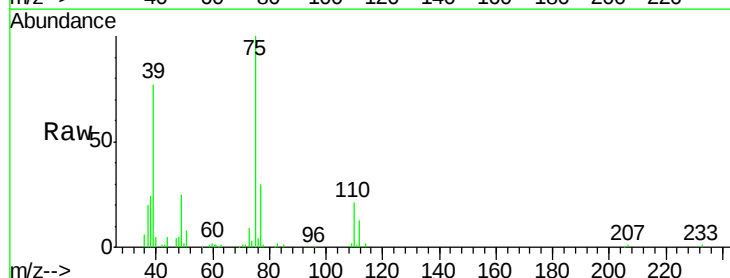
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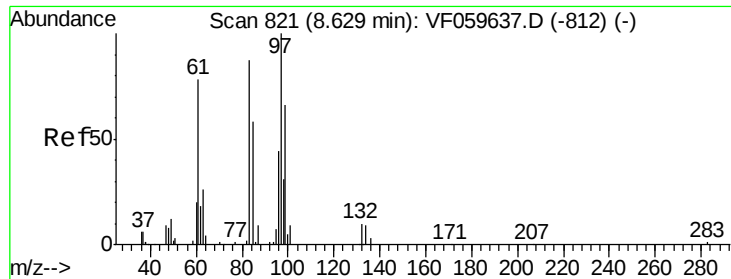
apatel
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#54
cis-1,3-Dichloropropene
Concen: 21.747 ug/l
RT: 7.44 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Tgt Ion: 75 Resp: 71132
Ion Ratio Lower Upper
75 100
77 30.1 27.5 41.3
39 76.7 64.4 96.6





#55

1,1,2-Trichloroethane

Concen: 19.145 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

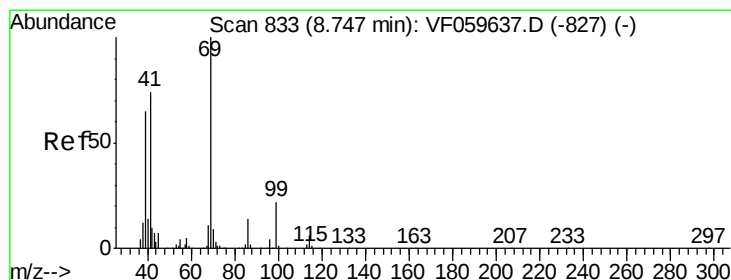
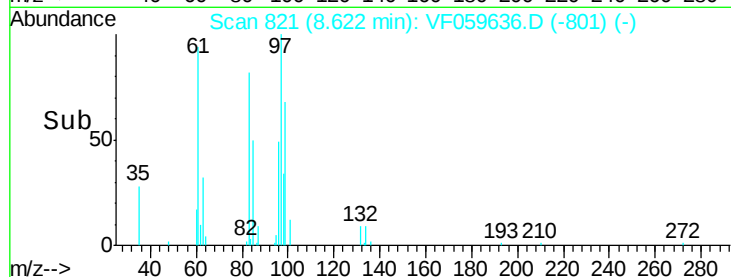
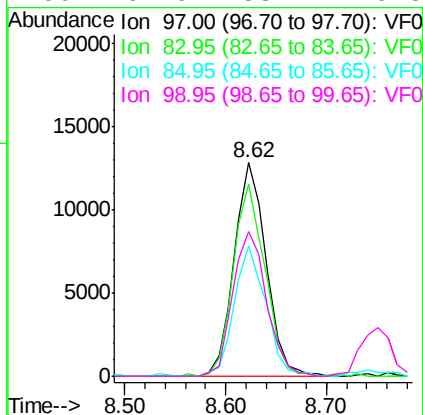
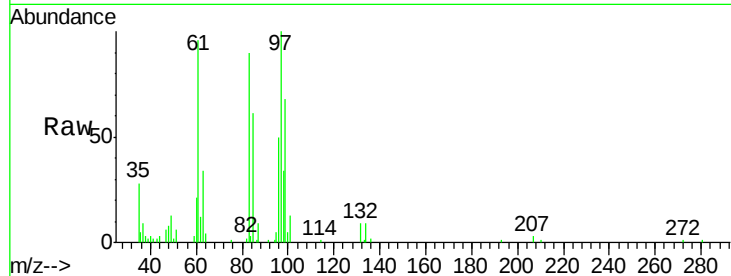
VSTDIC020

Tot Ion:	97	Resp:	28309
Ion	Ratio	Lower	Upper
97	100		
83	90.0	69.5	104.3
85	60.9	46.0	69.0
99	67.9	53.2	79.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.439 ug/l

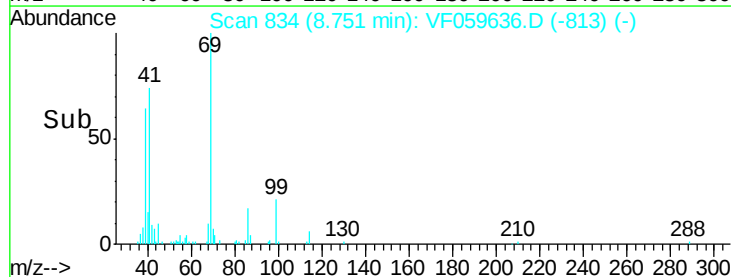
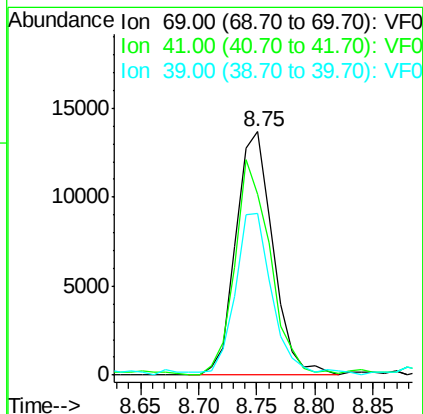
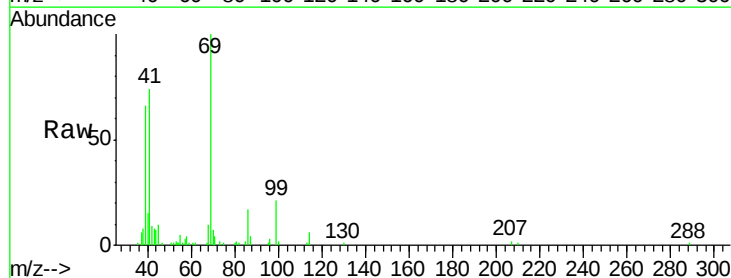
RT: 8.75 min Scan# 834

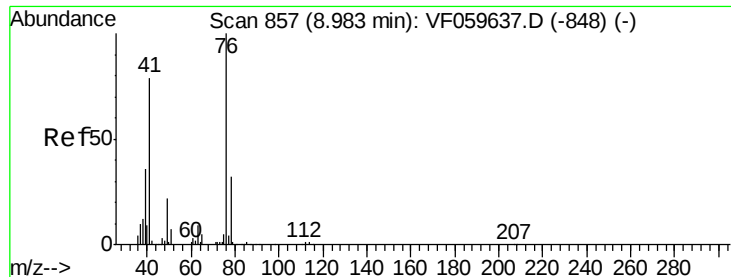
Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Tgt Ion:	69	Resp:	30225
Ion	Ratio	Lower	Upper
69	100		
41	74.4	59.1	88.7
39	66.4	52.4	78.6





#57

1,3-Dichloropropane

Concen: 19.345 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 49985

Ion Ratio Lower Upper

76 100

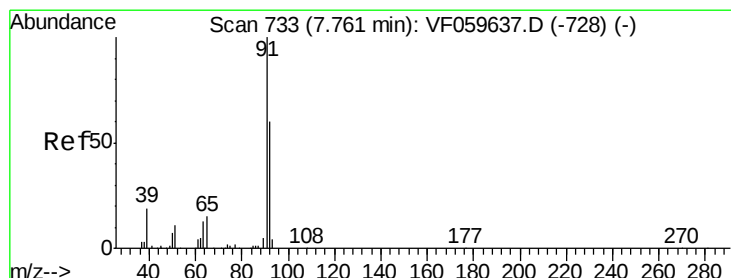
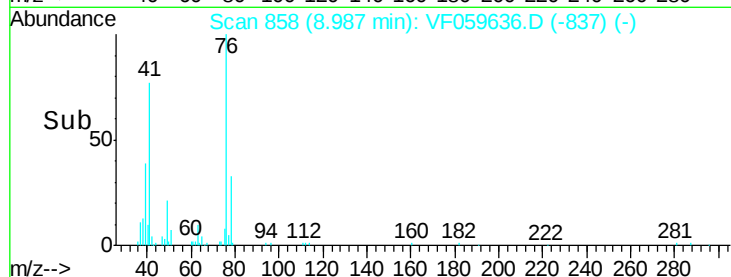
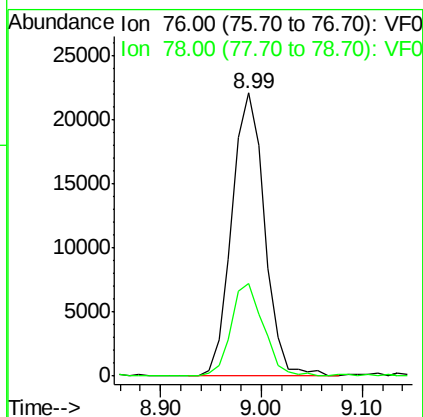
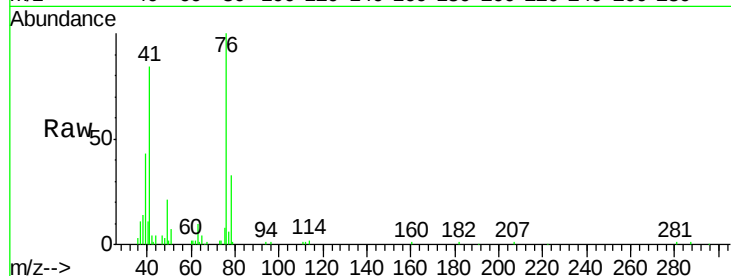
78 32.8 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 105.708 ug/l

RT: 7.76 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059636.D

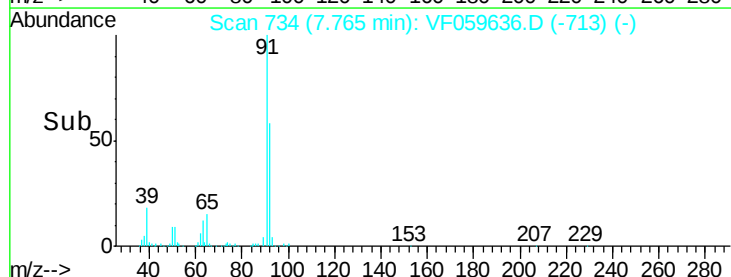
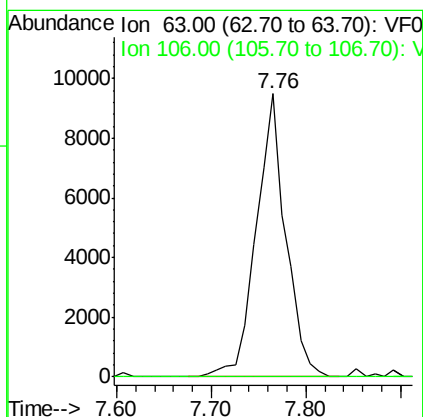
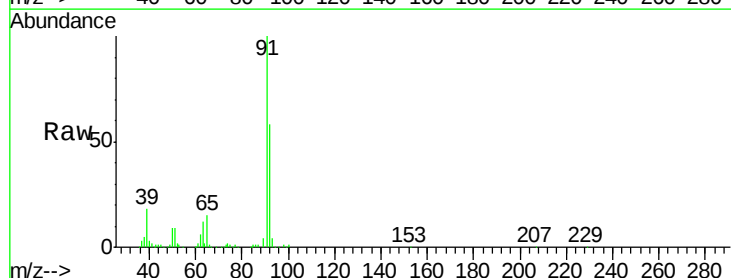
Acq: 24 Jul 2018 17:02

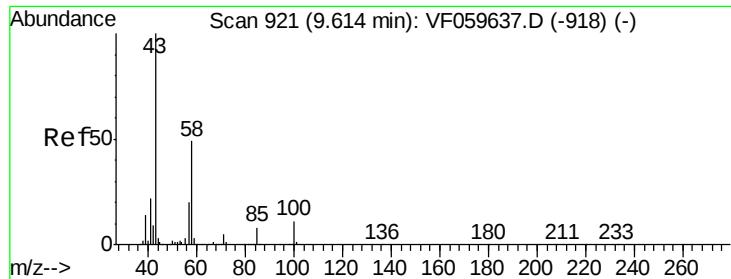
Tgt Ion: 63 Resp: 20567

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





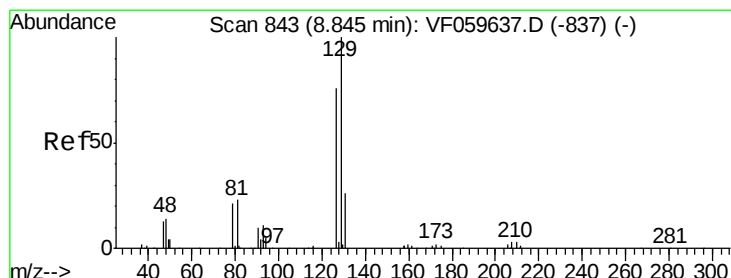
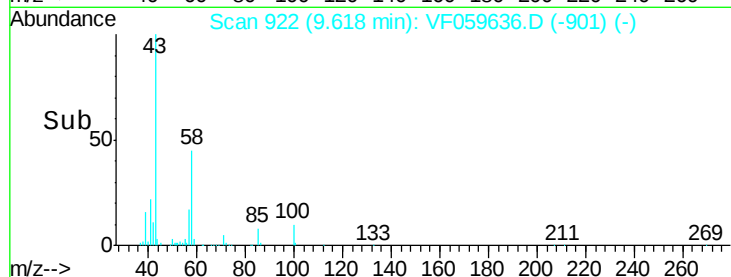
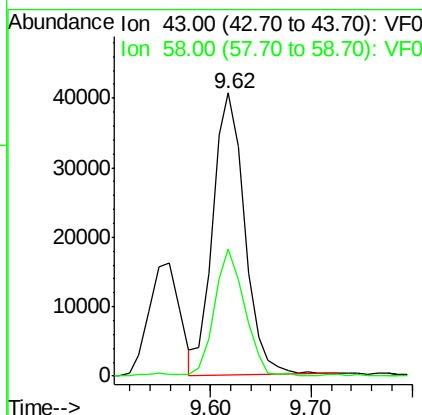
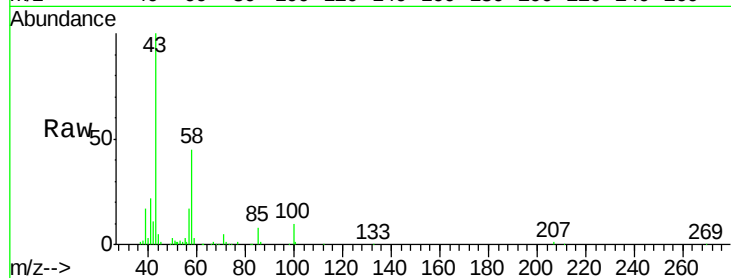
#59
2-Hexanone
Concen: 94.994 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 89192
Ion Ratio Lower Upper
43 100
58 45.0 23.6 71.0

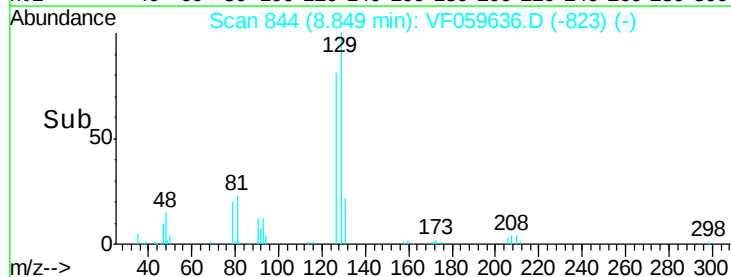
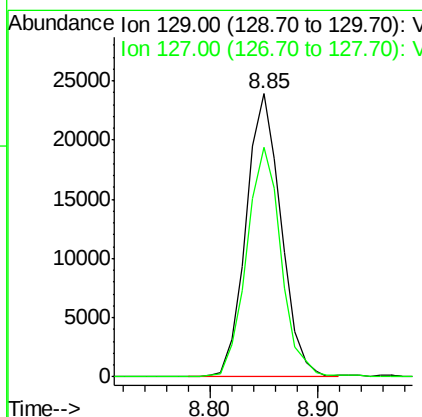
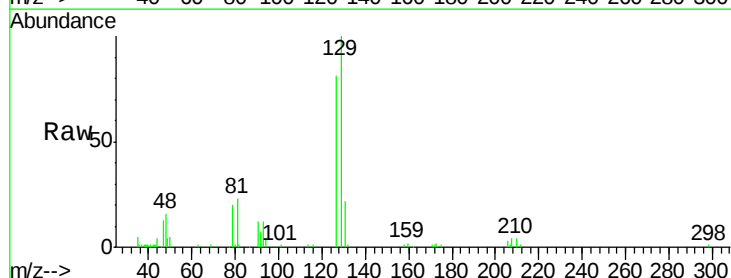
Manual Integrations
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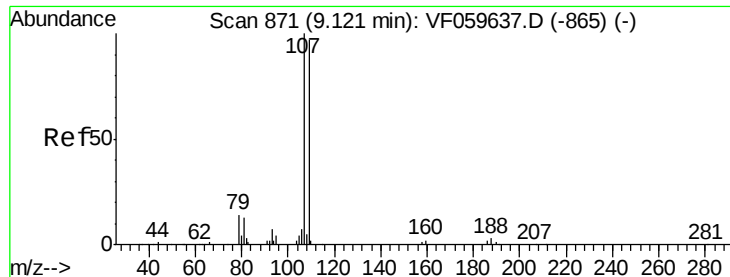
apatel
7/25/2018 2:13:37 PM



#60
Dibromochloromethane
Concen: 20.263 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.00 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Tgt Ion: 129 Resp: 53802
Ion Ratio Lower Upper
129 100
127 81.1 38.1 114.5





#61

1,2-Dibromoethane

Concen: 21.129 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 35958

Ion Ratio Lower Upper

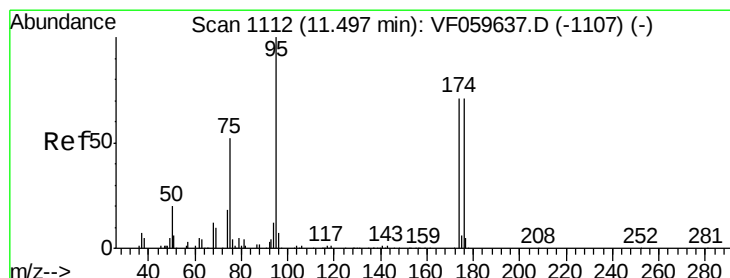
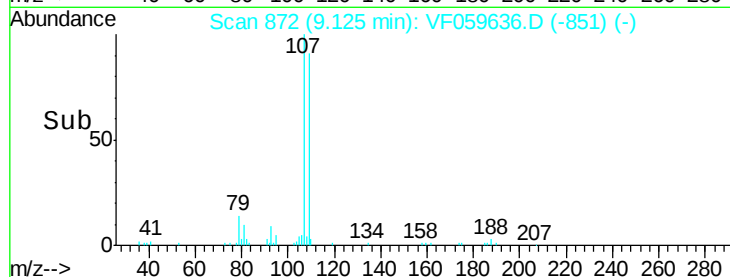
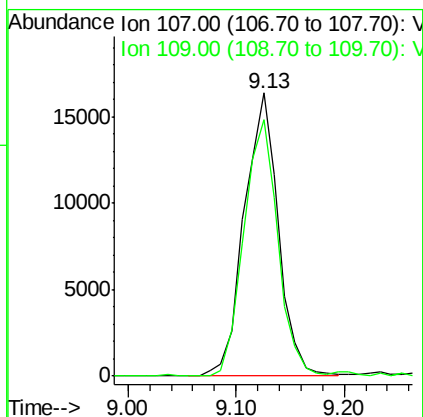
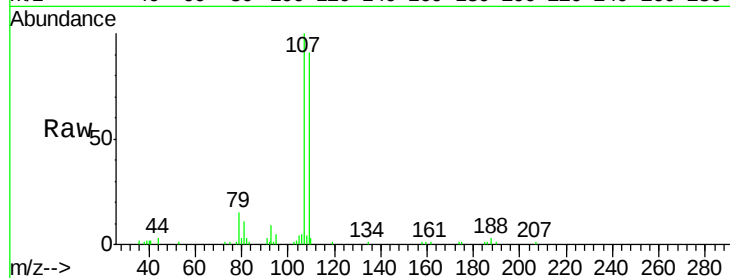
107 100

109 90.7 77.3 115.9

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#62

4-Bromofluorobenzene

Concen: 18.289 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

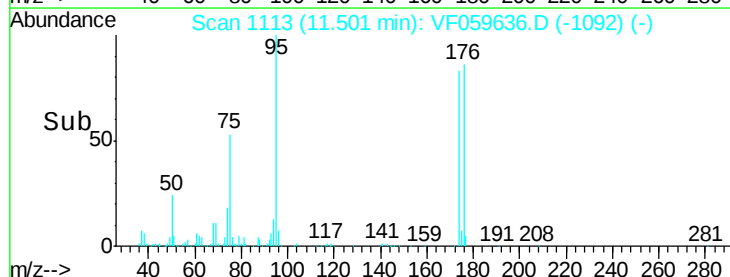
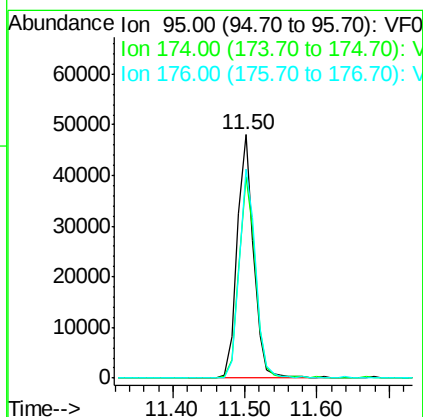
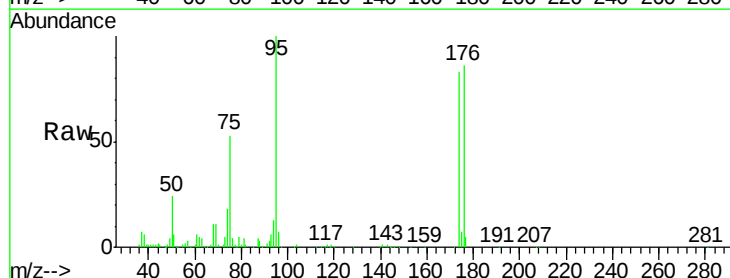
Tgt Ion: 95 Resp: 76519

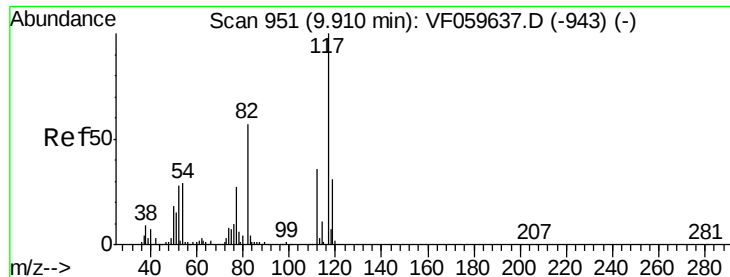
Ion Ratio Lower Upper

95 100

174 82.8 0.0 141.8

176 86.0 0.0 142.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 951

Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

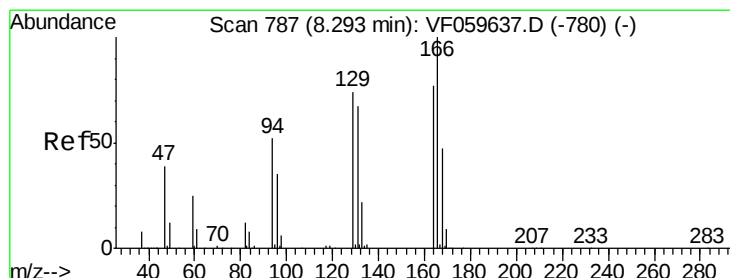
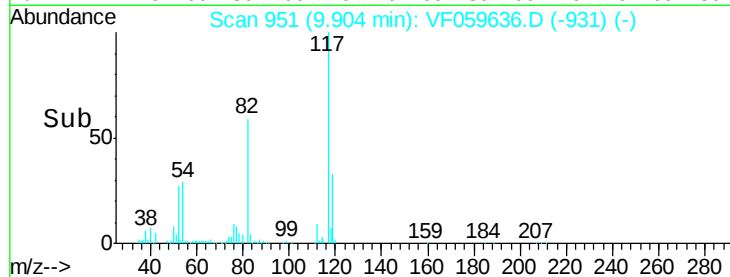
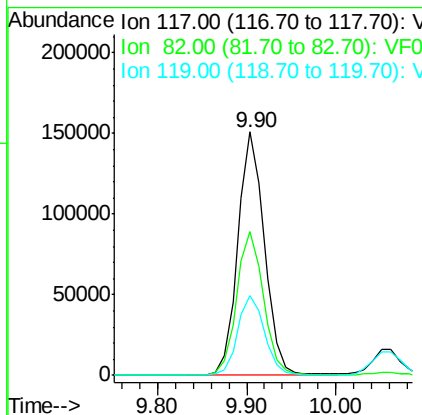
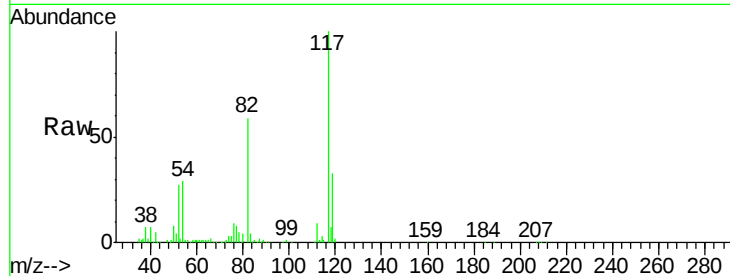
ClientSampleId :

VSTDIC020

Tot Ion:	117	Resp:	314061
Ion Ratio	Lower	Upper	
117	100		
82	58.8	45.9	68.9
119	32.9	25.1	37.7

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#64

Tetrachloroethene

Concen: 22.914 ug/l

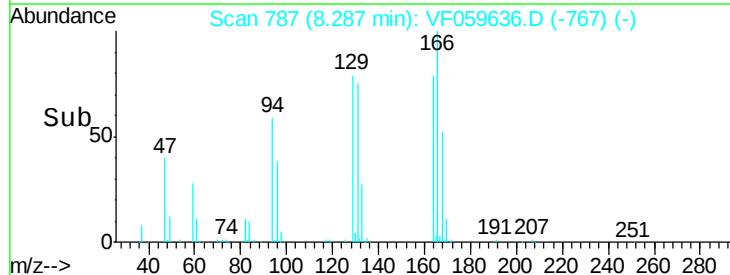
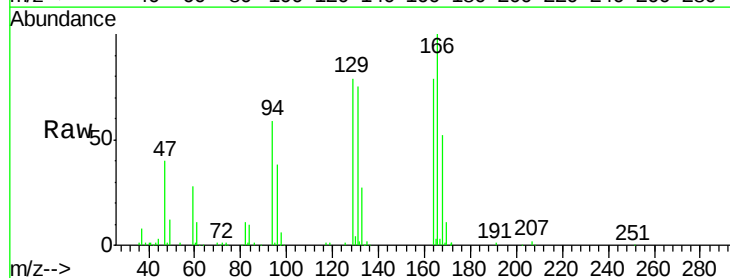
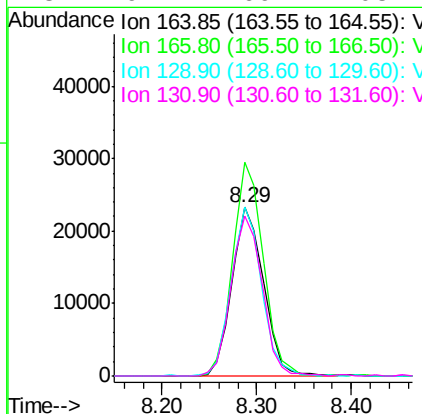
RT: 8.29 min Scan# 787

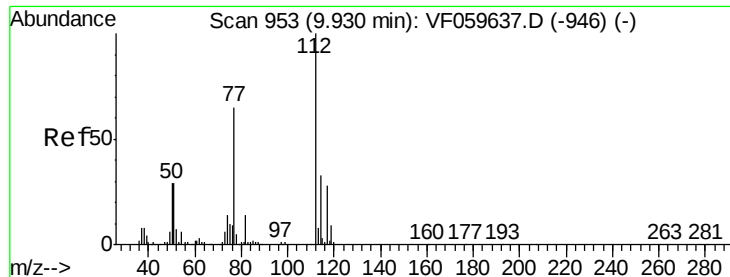
Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Tgt Ion:	164	Resp:	53882
Ion Ratio	Lower	Upper	
164	100		
166	126.6	103.3	154.9
129	99.9	76.2	114.2
131	94.7	69.1	103.7





#65

Chlorobenzene

Concen: 20.836 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 119307

Ion Ratio Lower Upper

112 100

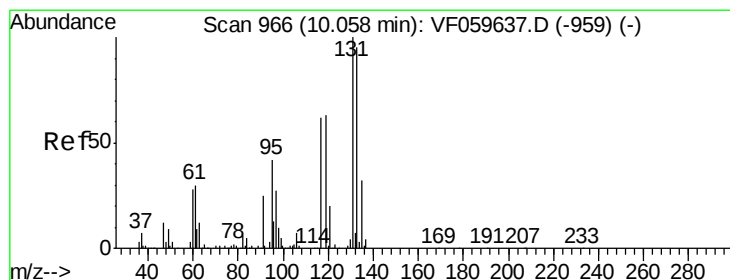
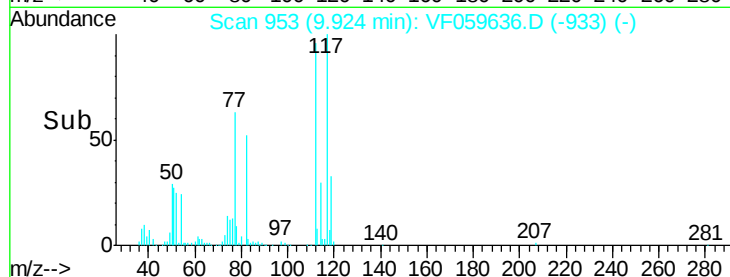
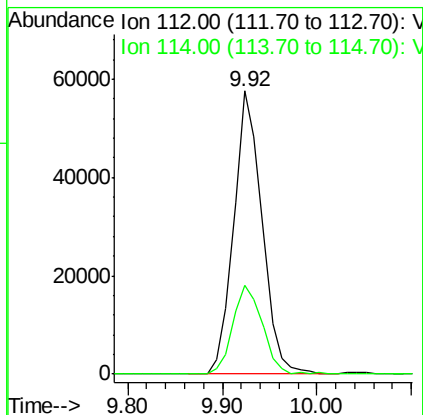
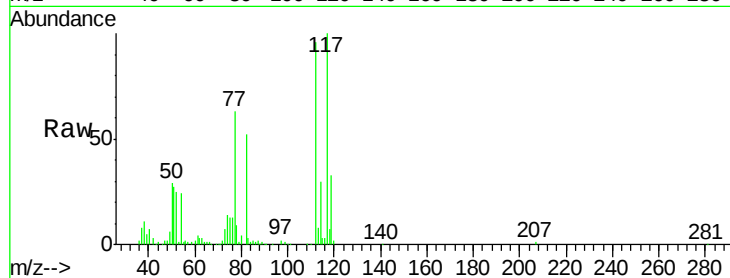
114 31.6 26.4 39.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.409 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

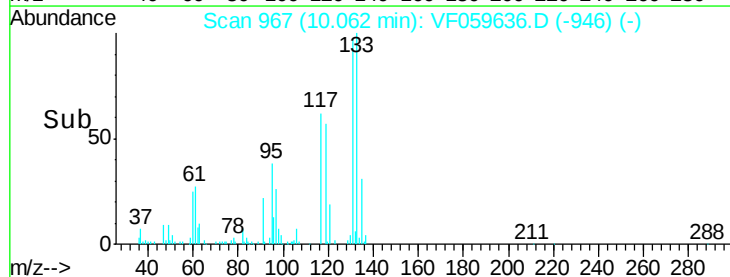
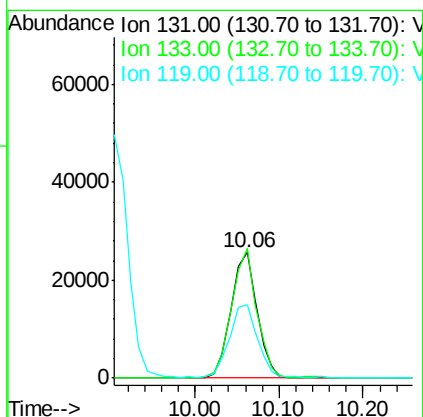
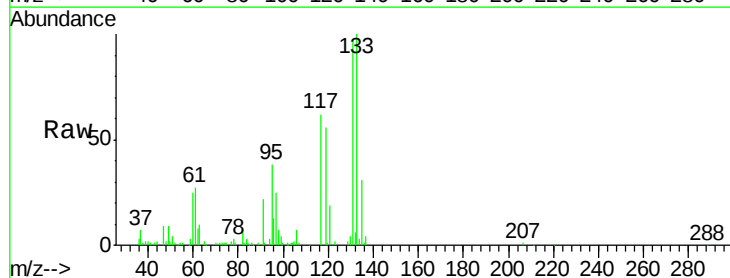
Tgt Ion:131 Resp: 55852

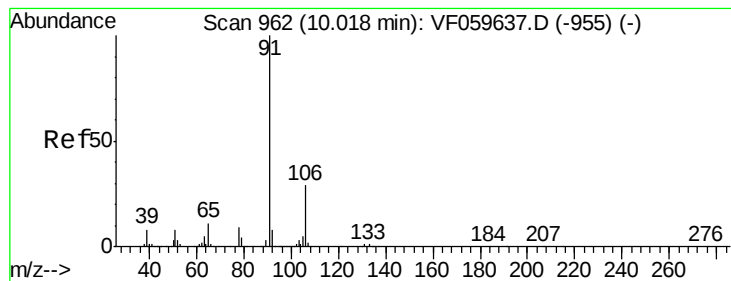
Ion Ratio Lower Upper

131 100

133 103.5 47.5 142.6

119 58.3 31.8 95.4





#67

Ethyl Benzene

Concen: 22.353 ug/l

RT: 10.02 min Scan# 963

Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 231806

Ion Ratio Lower Upper

91 100

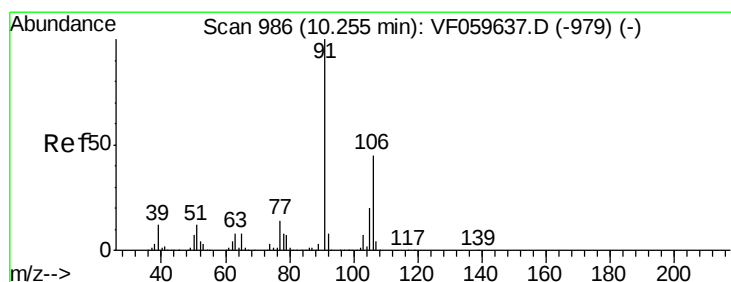
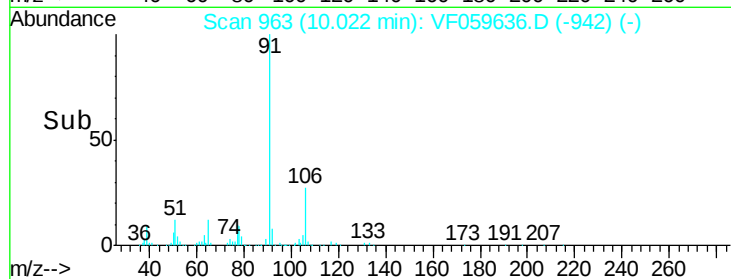
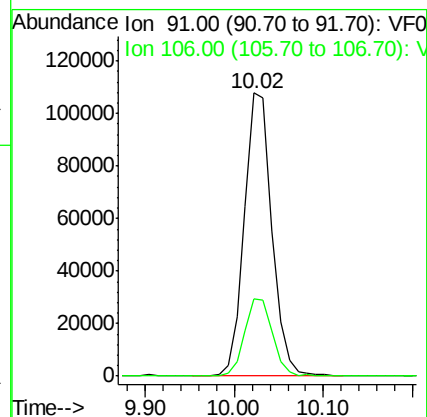
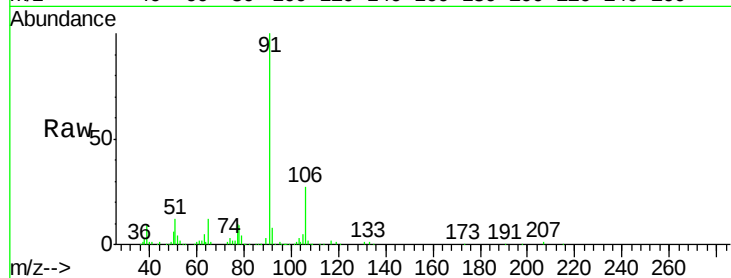
106 27.5 23.4 35.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 44.257 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.00 min

Lab File: VF059636.D

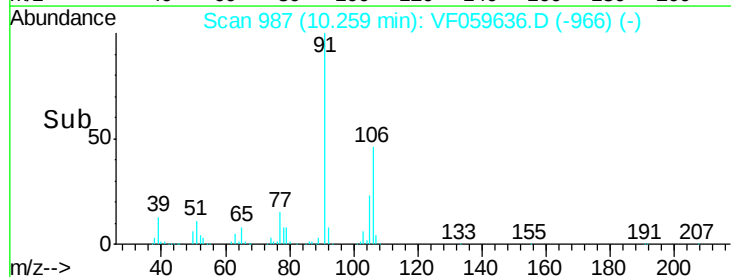
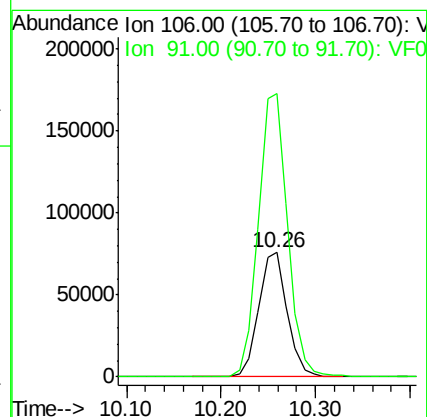
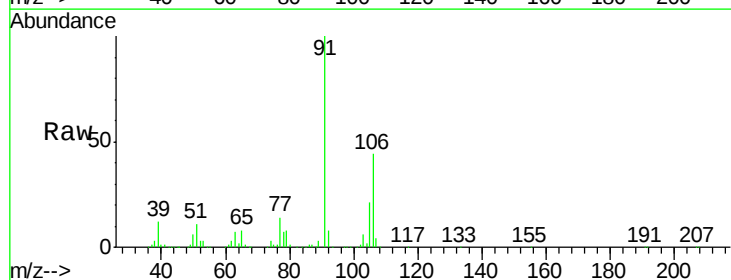
Acq: 24 Jul 2018 17:02

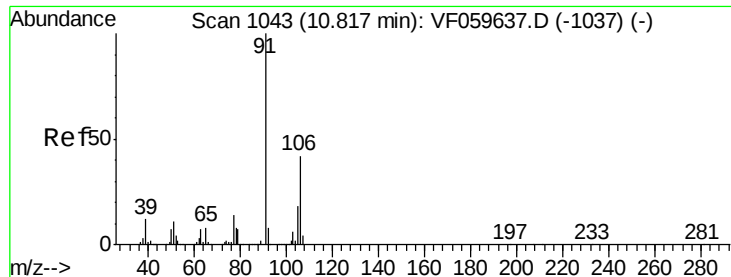
Tgt Ion: 106 Resp: 159229

Ion Ratio Lower Upper

106 100

91 227.2 177.8 266.8





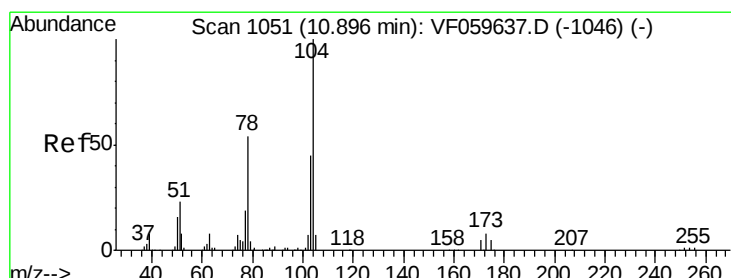
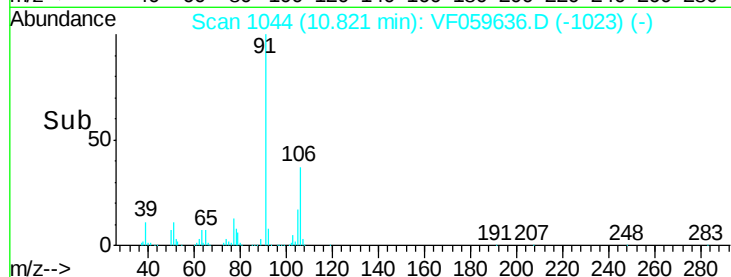
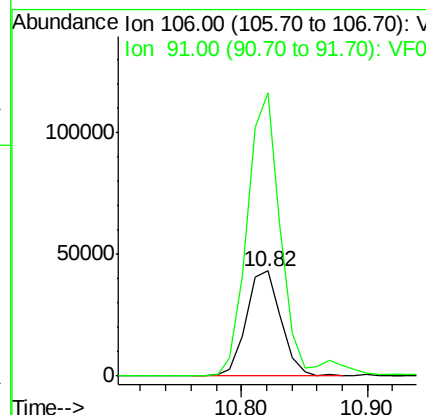
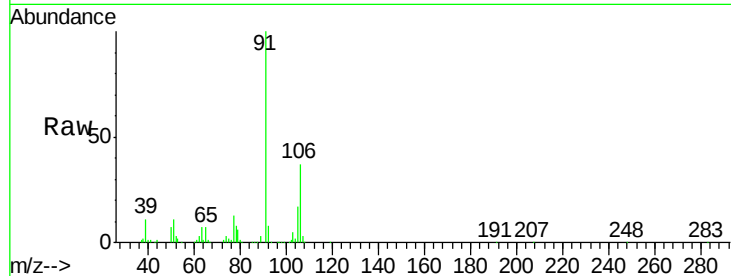
#69
o-Xylene
Concen: 21.367 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 82902
Ion Ratio Lower Upper
106 100
91 269.4 119.3 357.9

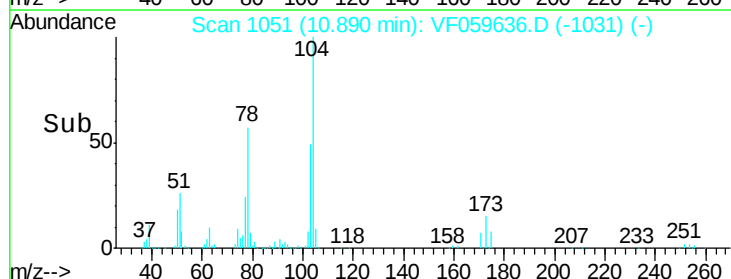
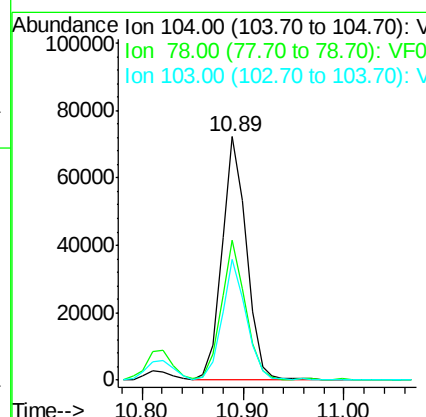
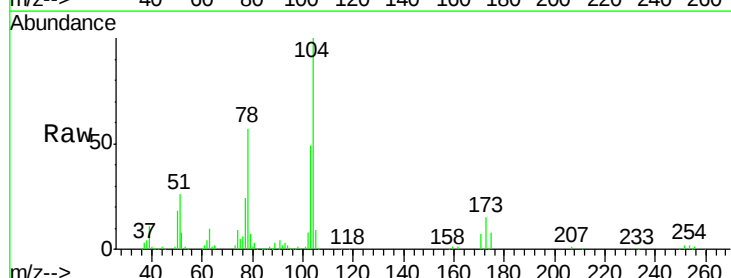
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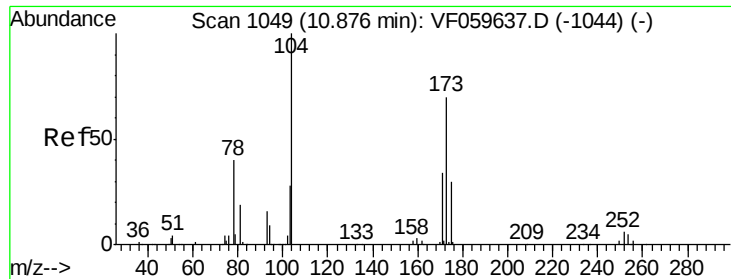
apatel
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#70
Styrene
Concen: 21.138 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Tgt Ion:104 Resp: 122173
Ion Ratio Lower Upper
104 100
78 57.5 43.4 65.2
103 49.5 36.7 55.1





#71

Bromoform

Concen: 20.098 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

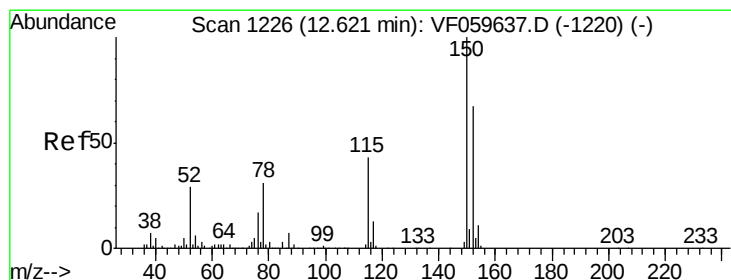
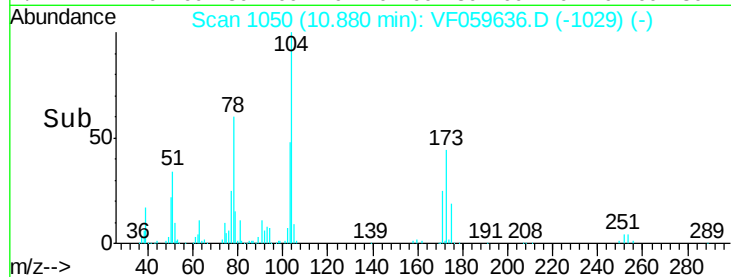
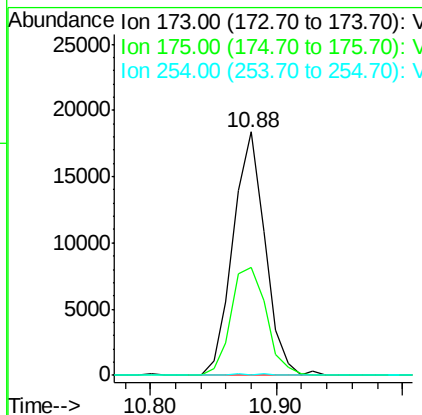
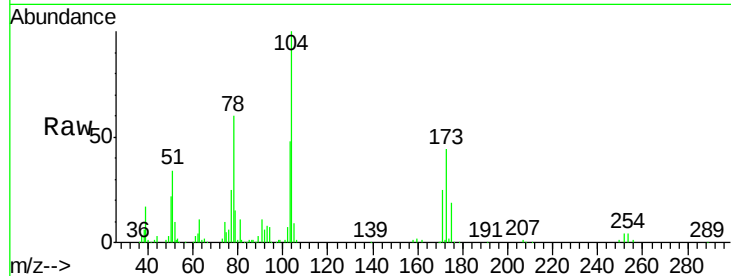
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	44.4	21.6	65.0
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

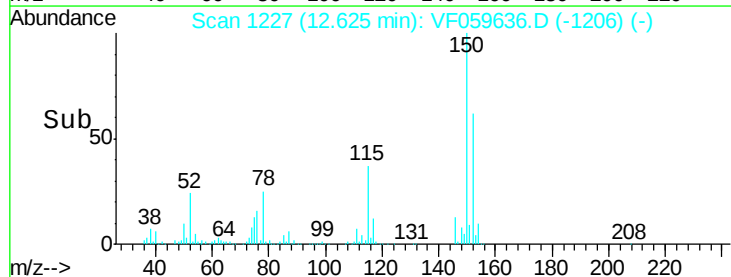
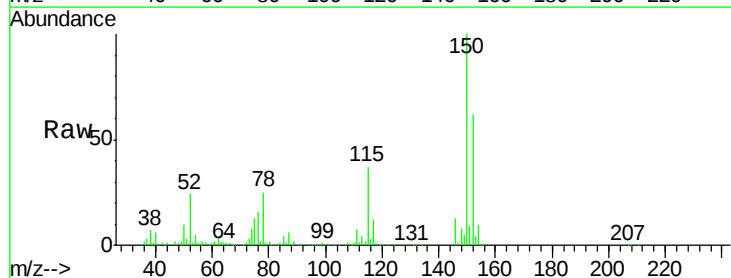
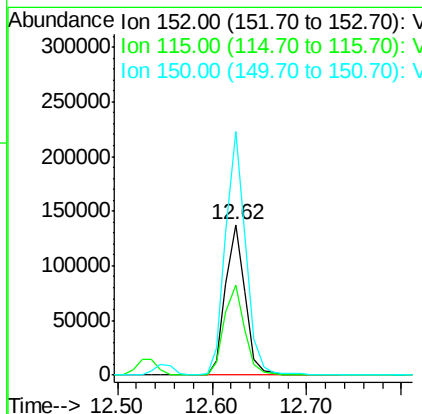
RT: 12.62 min Scan# 1227

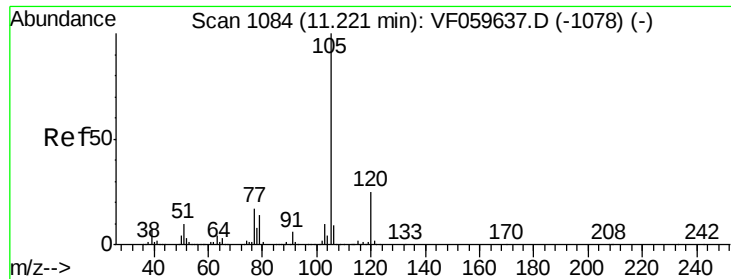
Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	32.0	96.2
150	162.1	0.0	313.2





#73

Isopropylbenzene

Concen: 22.263 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 280844

Ion Ratio Lower Upper

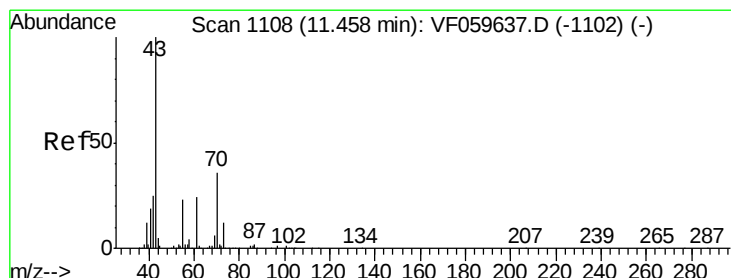
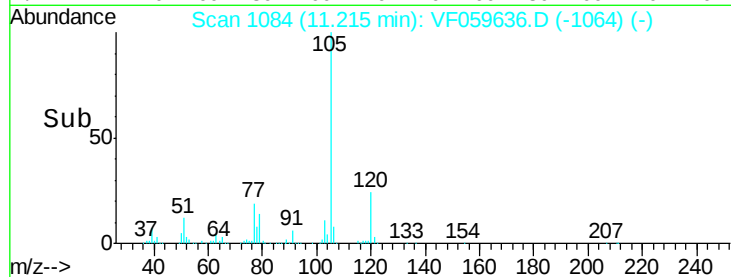
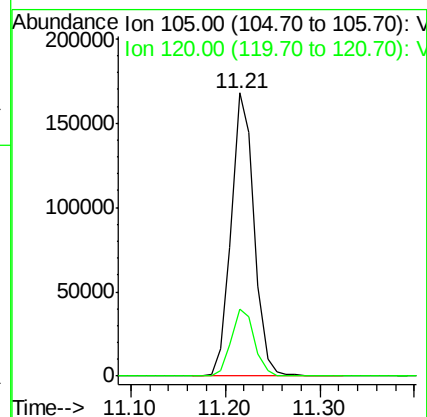
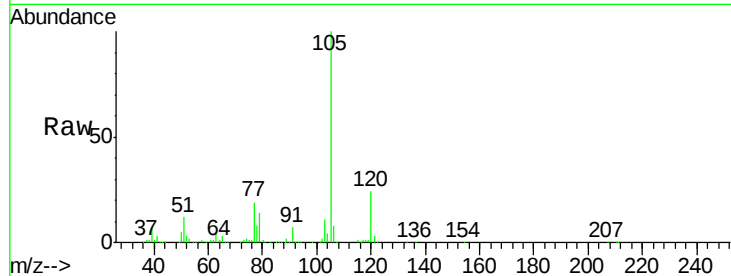
105 100

120 23.6 12.6 37.8

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#74

N-ethyl acetate

Concen: 19.559 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Tgt Ion: 43 Resp: 54196

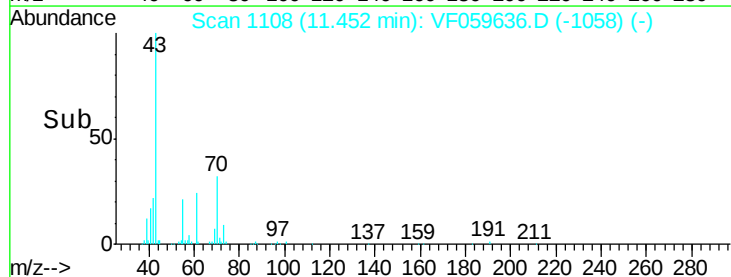
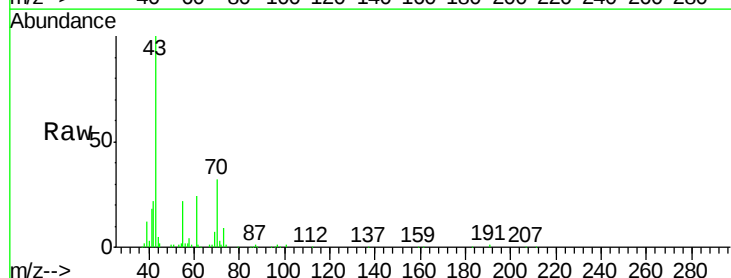
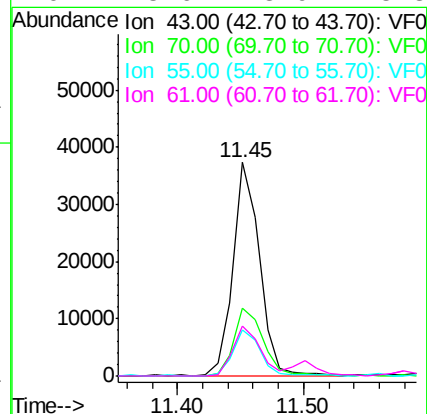
Ion Ratio Lower Upper

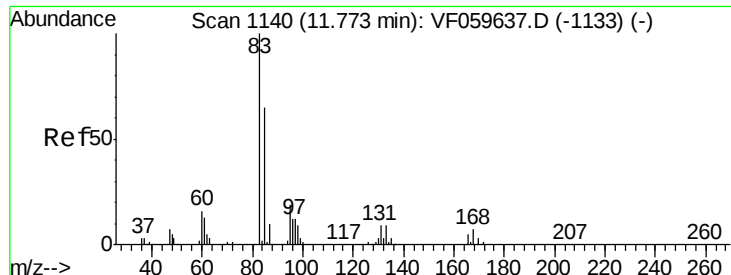
43 100

70 31.9 29.4 44.0

55 21.6 18.2 27.4

61 23.6 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.111 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

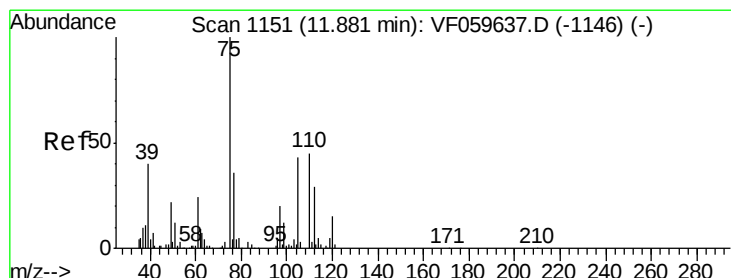
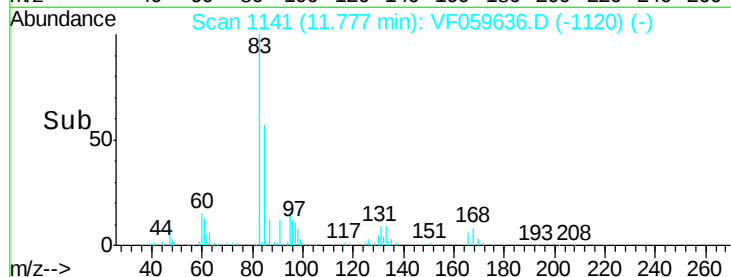
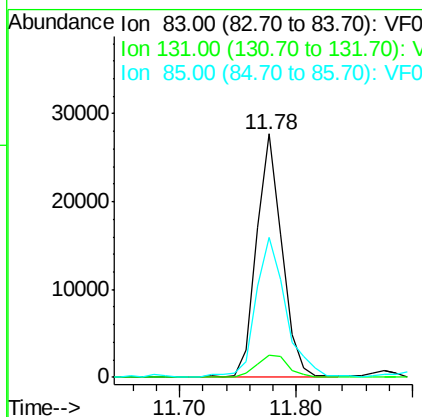
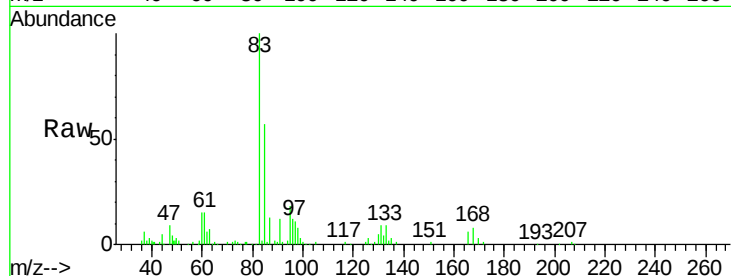
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	41937
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.5	13.5
85	57.4	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.641 ug/l

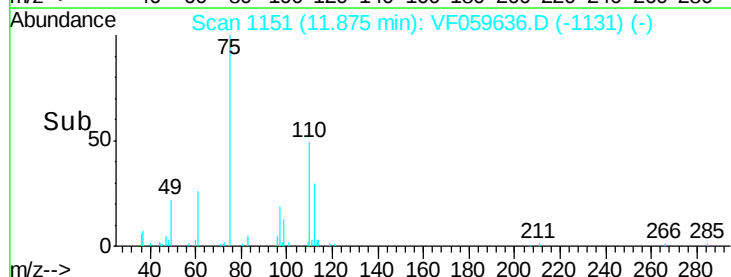
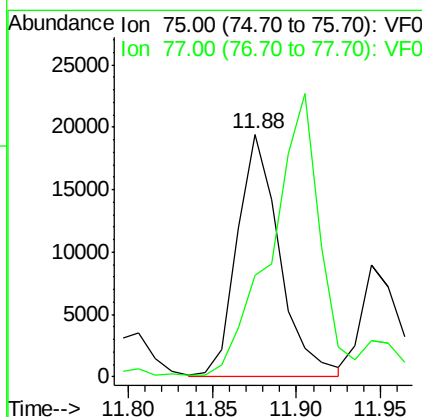
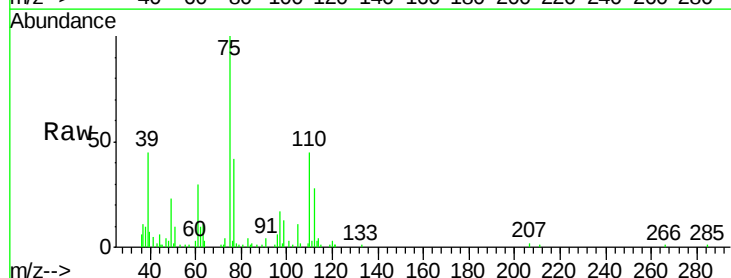
RT: 11.88 min Scan# 1151

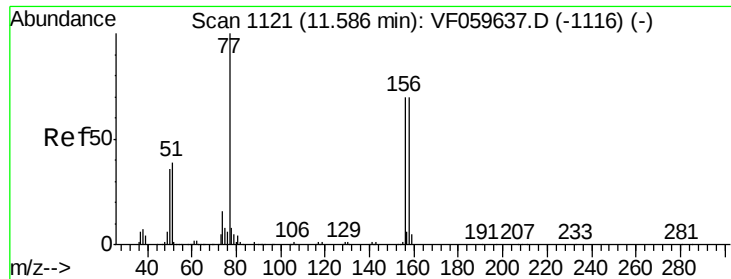
Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Tgt Ion:	75	Resp:	34045
Ion Ratio	Lower	Upper	
75	100		
77	41.9	18.4	55.0





#77

Bromobenzene

Concen: 20.629 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

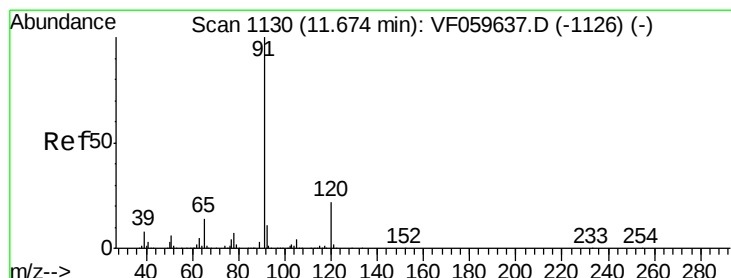
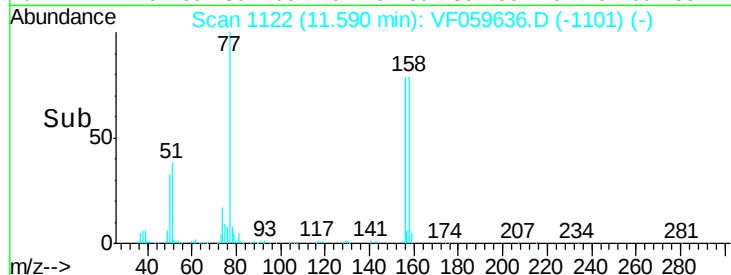
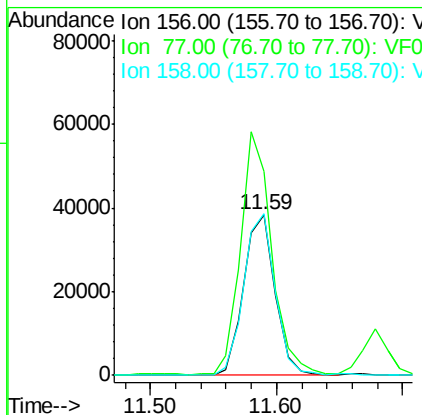
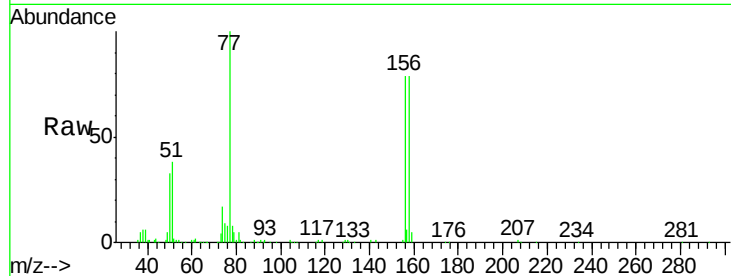
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		66376		
77	127.3		71.5	214.3	
158	100.6		50.0	149.8	

Manual Integrations
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#78

n-propylbenzene

Concen: 22.372 ug/l

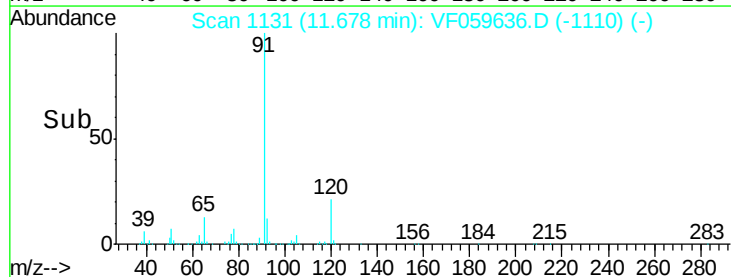
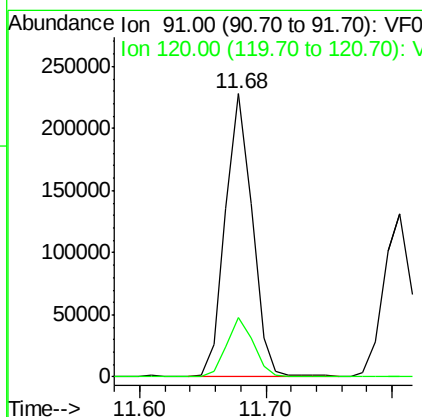
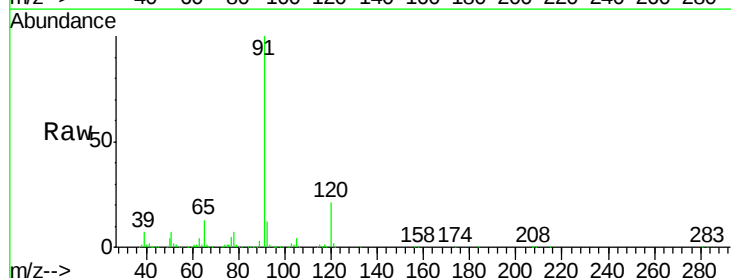
RT: 11.68 min Scan# 1131

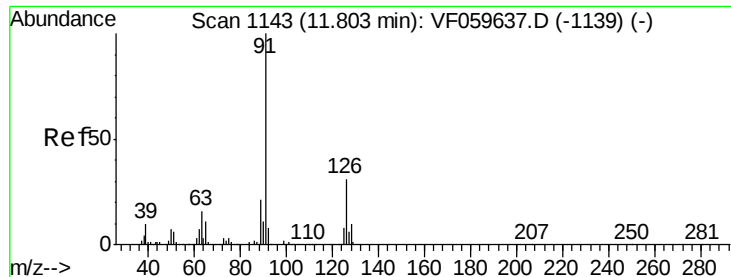
Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		336670		
120	21.1		10.8	32.4	





#79

2-Chlorotoluene

Concen: 22.476 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 203386

Ion Ratio Lower Upper

91 100

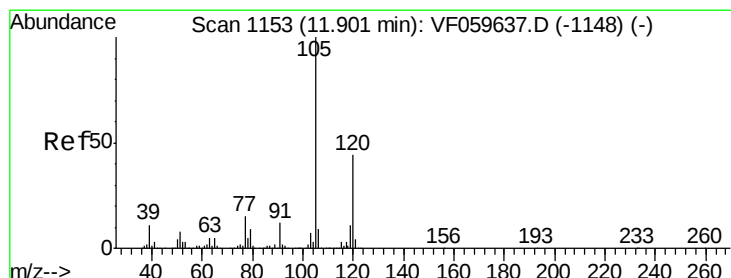
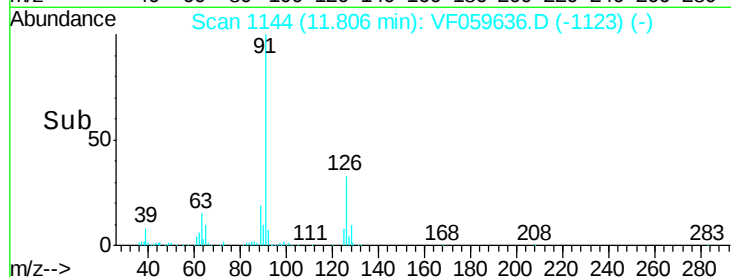
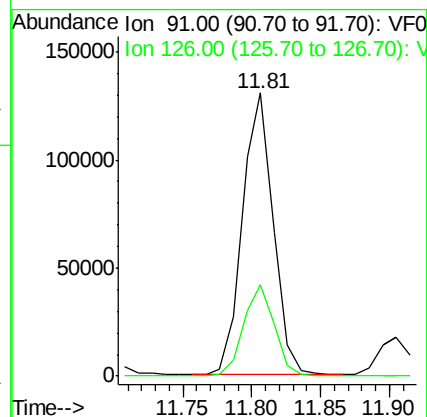
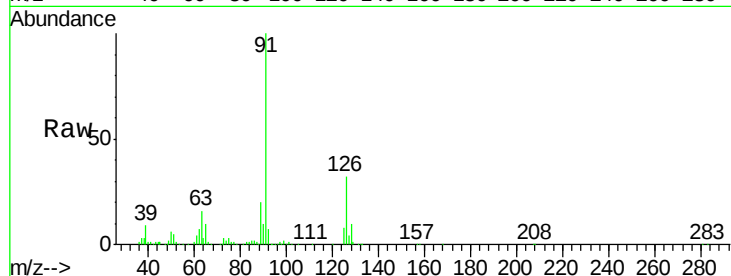
126 32.4 15.4 46.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.981 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059636.D

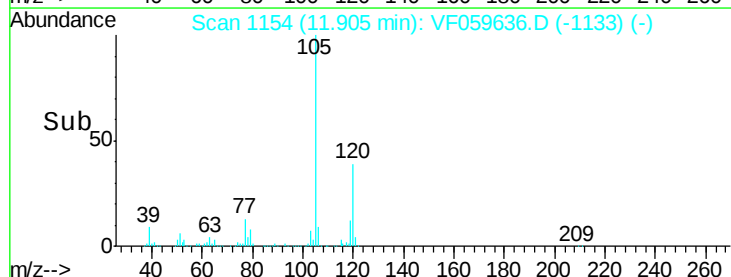
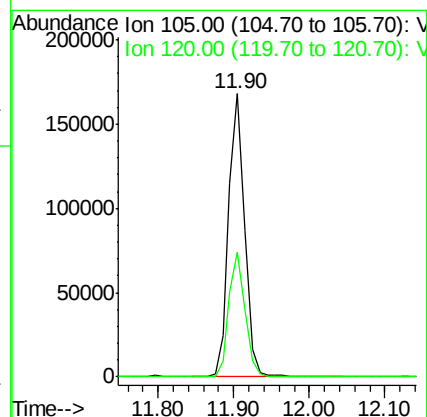
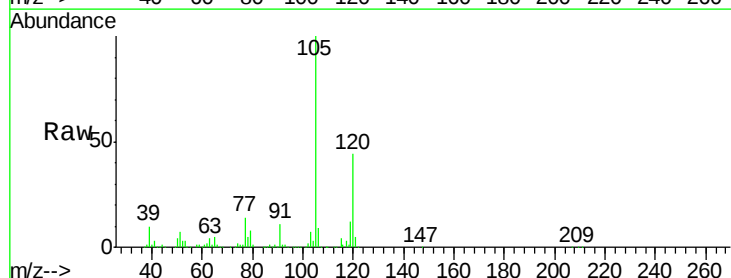
Acq: 24 Jul 2018 17:02

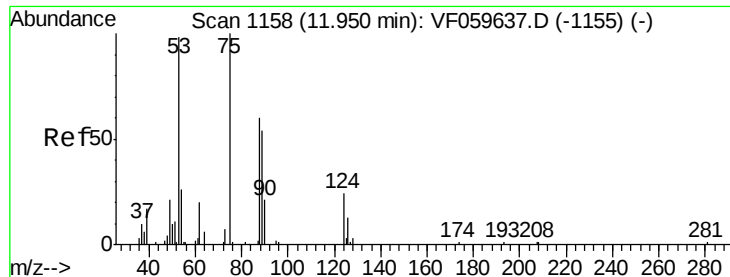
Tgt Ion: 105 Resp: 248852

Ion Ratio Lower Upper

105 100

120 44.0 21.8 65.4





#81

trans-1,4-Dichloro-2-butene

Concen: 27.020 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

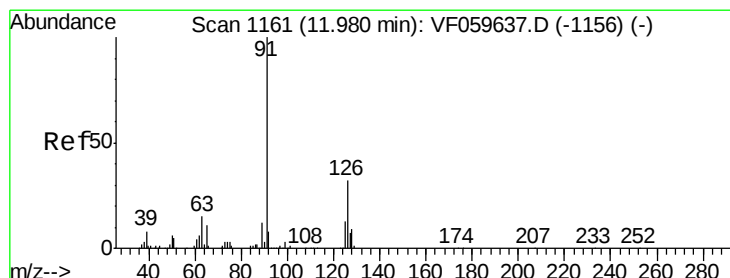
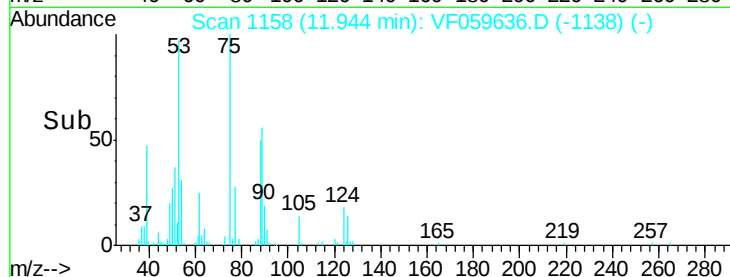
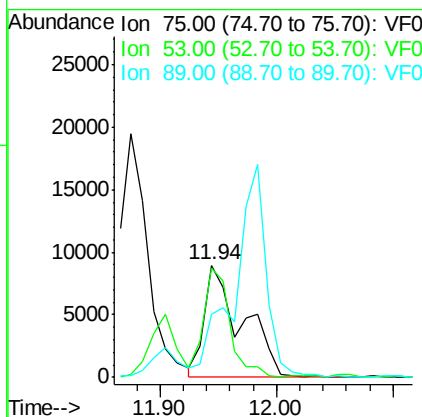
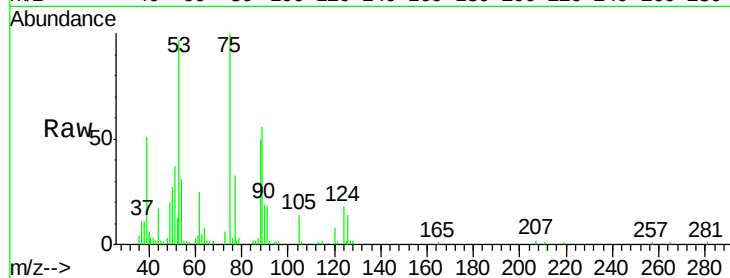
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	20428
Ion	Ratio	Lower	Upper
75	100		
53	97.3	82.3	123.5
89	56.4	48.2	72.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.904 ug/l

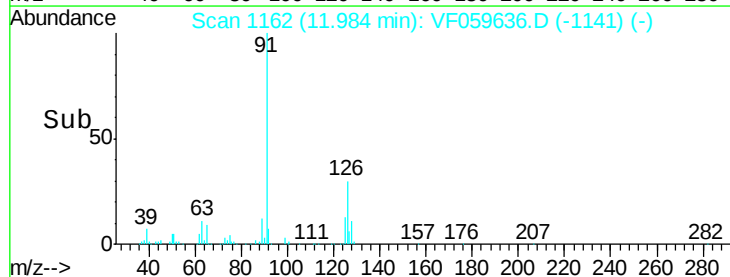
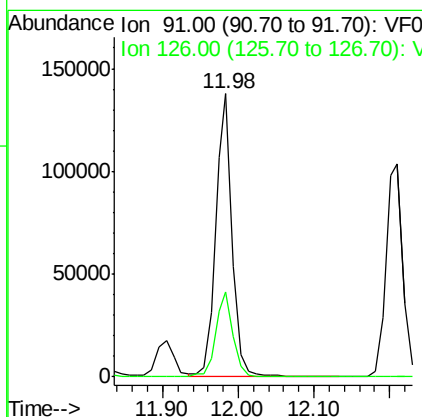
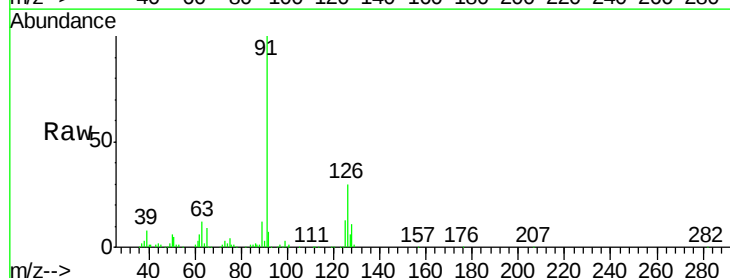
RT: 11.98 min Scan# 1162

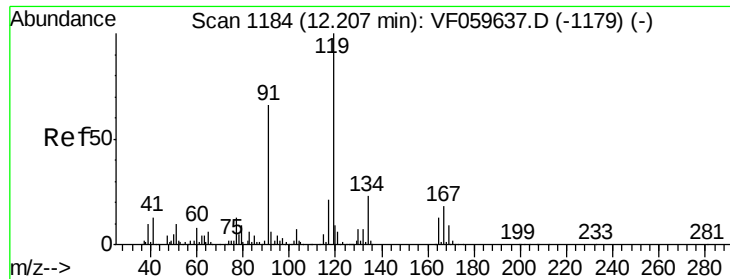
Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Tgt Ion:	91	Resp:	209639
Ion	Ratio	Lower	Upper
91	100		
126	30.2	16.1	48.2





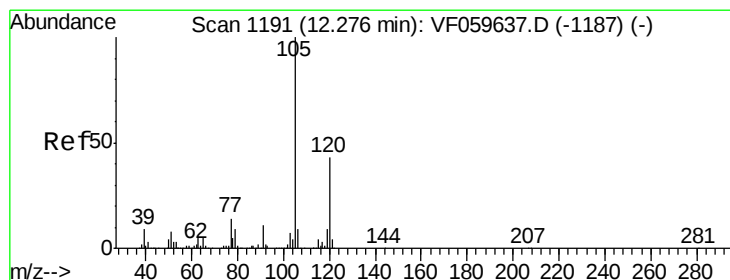
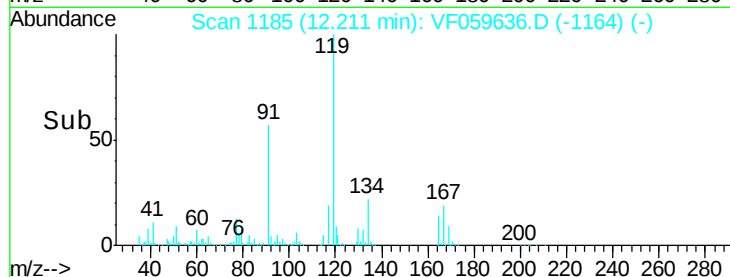
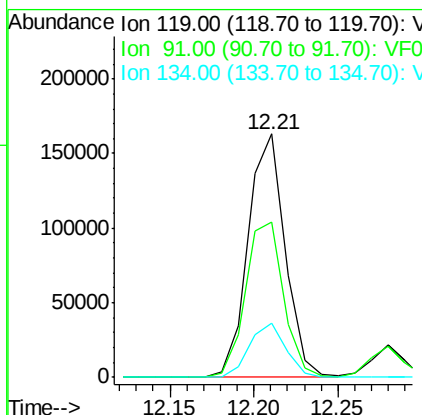
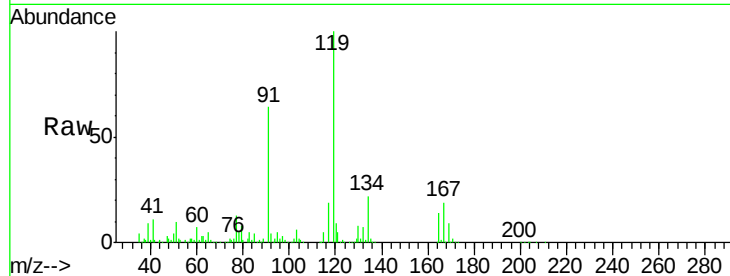
#83
 tert-Butylbenzene
 Concen: 22.313 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059636.D
 Acq: 24 Jul 2018 17:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.5	33.2	99.6
134	22.2	11.5	34.4

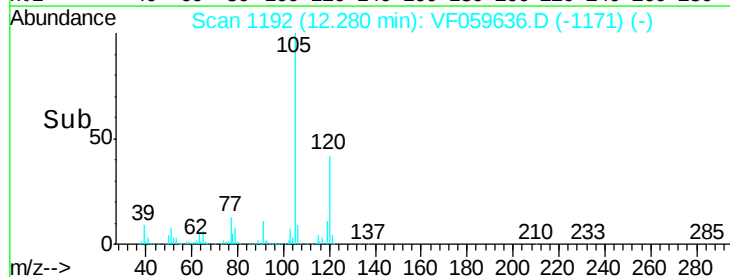
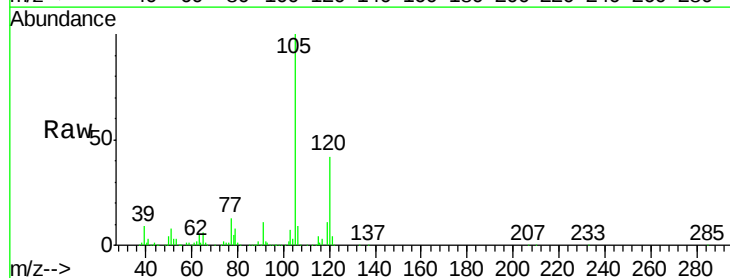
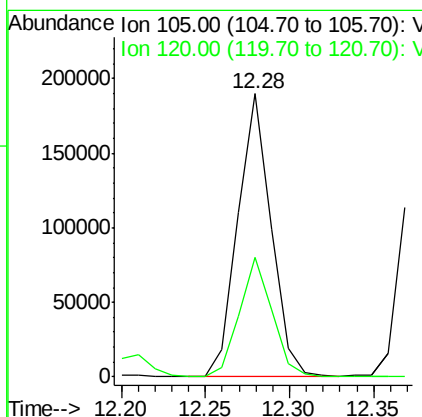
Manual Integrations
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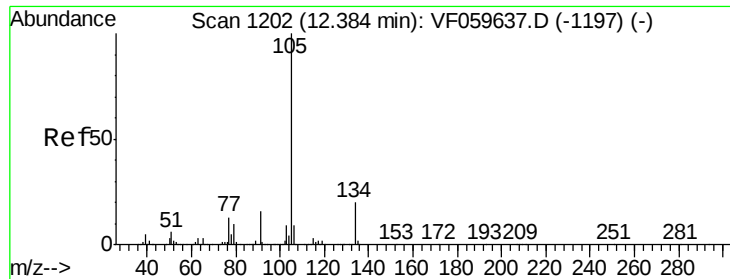
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.736 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF059636.D
 Acq: 24 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.2	21.4	64.2





#85

sec-Butylbenzene

Concen: 23.352 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 338986

Ion Ratio Lower Upper

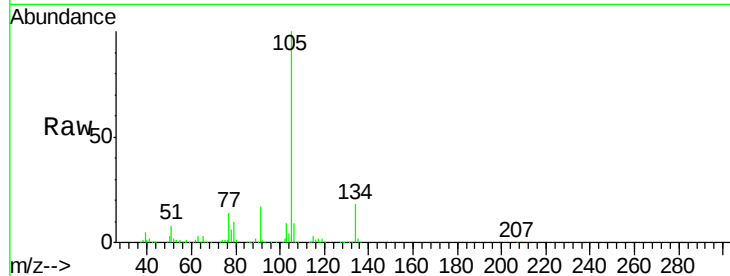
105 100

134 18.4 9.9 29.7

Manual Integrations
APPROVED

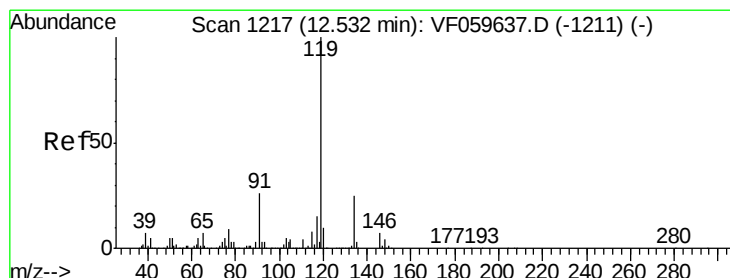
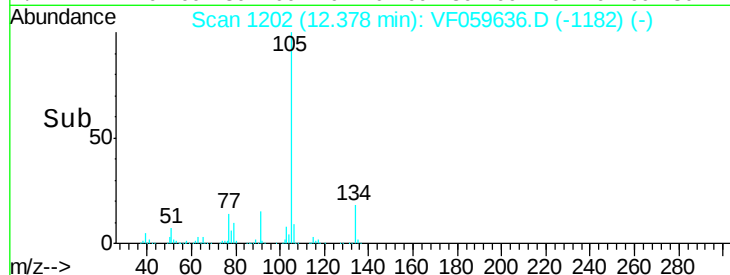
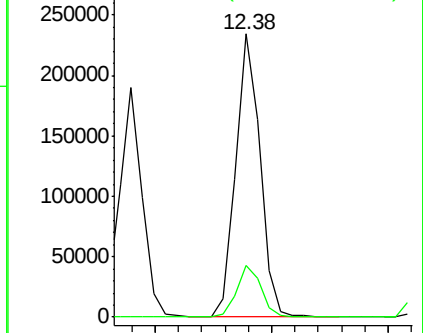
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.136 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

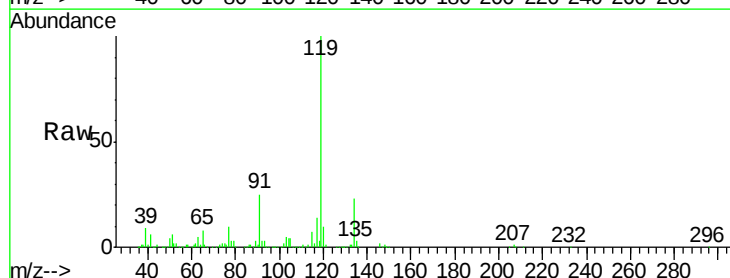
Tgt Ion:119 Resp: 293992

Ion Ratio Lower Upper

119 100

134 22.5 12.4 37.0

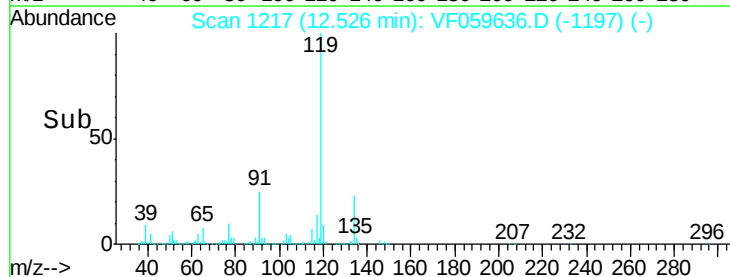
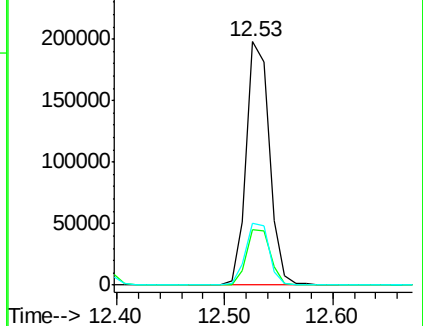
91 25.2 13.1 39.1

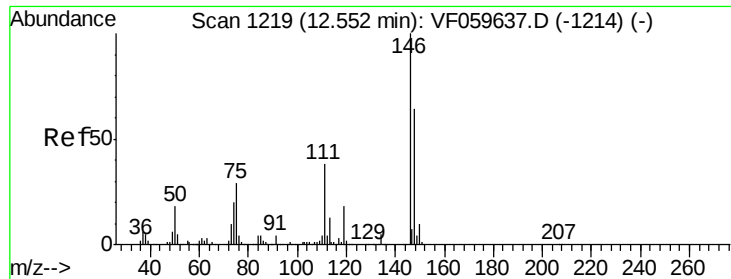


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





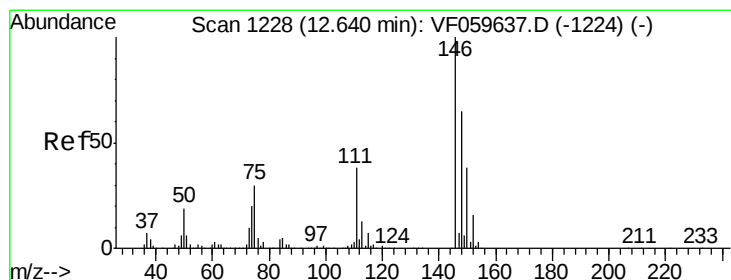
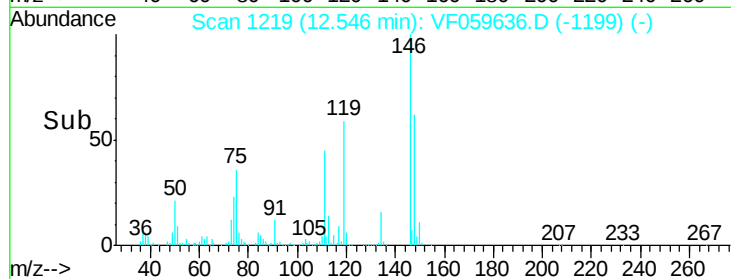
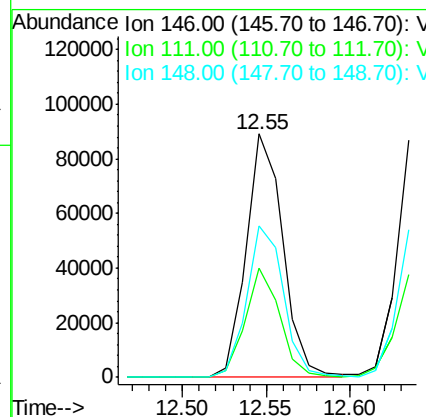
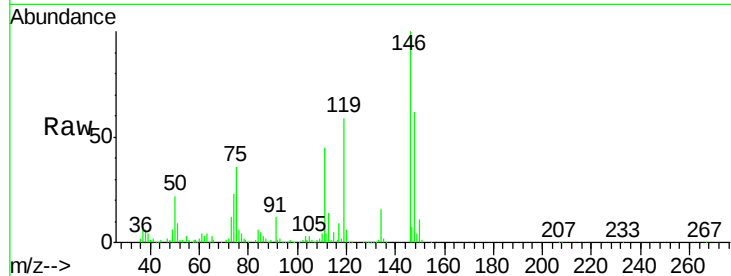
#87
 1,3-Dichlorobenzene
 Concen: 21.632 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF059636.D
 Acq: 24 Jul 2018 17:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	19.1	57.1
148	62.2	31.9	95.9

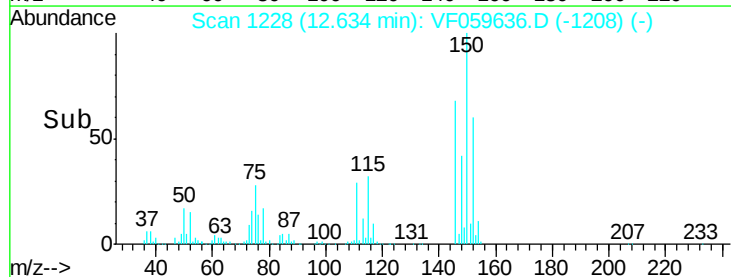
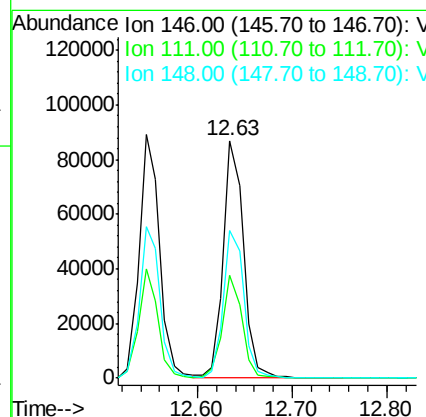
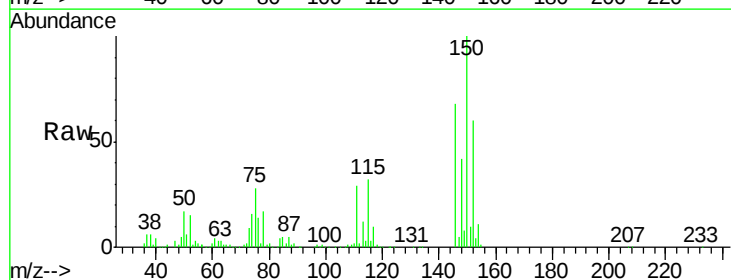
Manual Integrations
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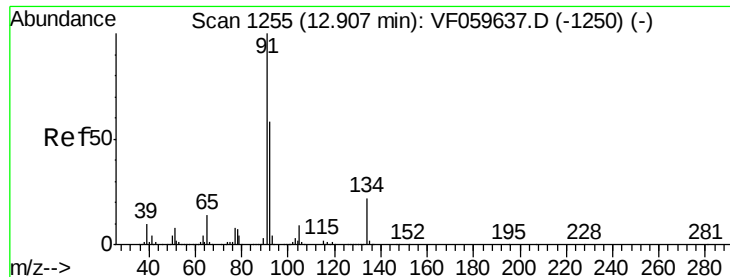
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#88
 1,4-Dichlorobenzene
 Concen: 22.203 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF059636.D
 Acq: 24 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	19.1	57.1
148	62.3	32.4	97.2





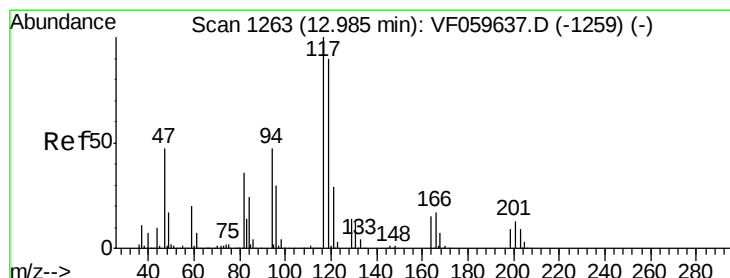
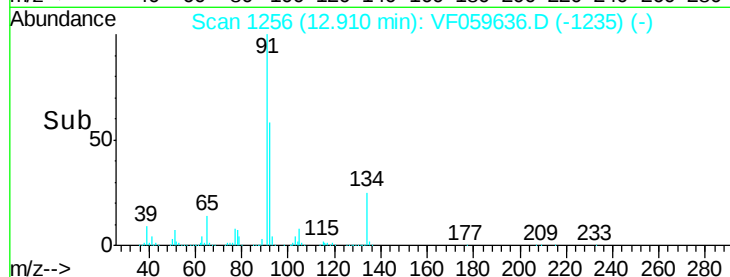
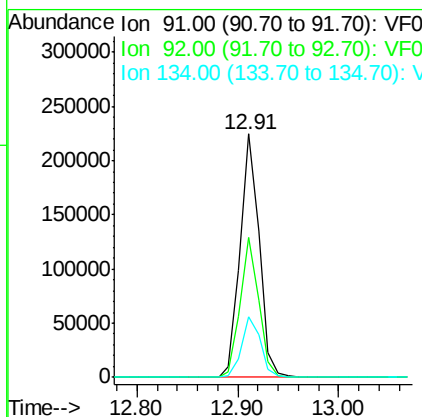
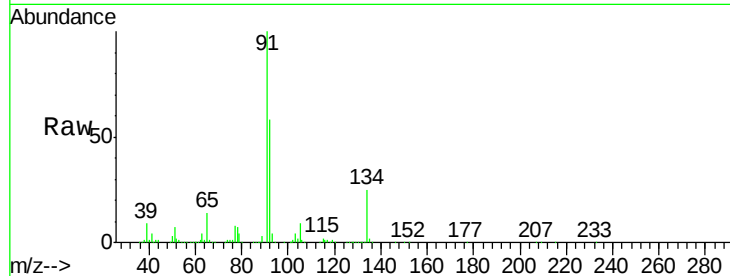
#89
n-Butylbenzene
Concen: 24.260 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.6	29.1	87.3
134	25.0	11.2	33.6

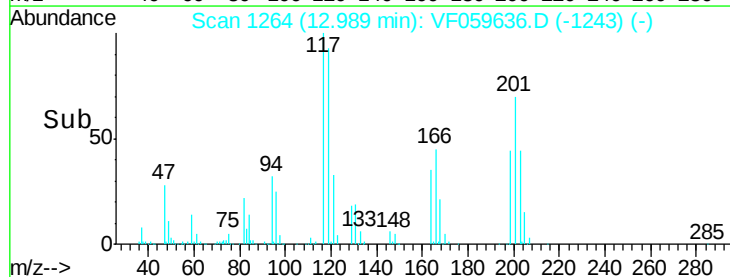
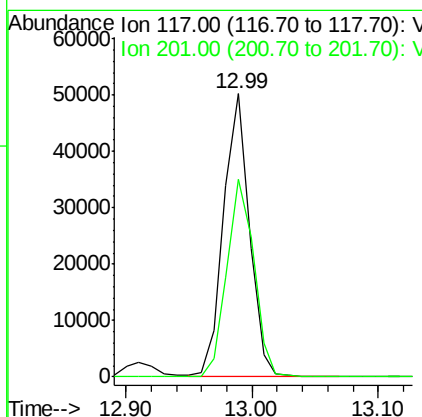
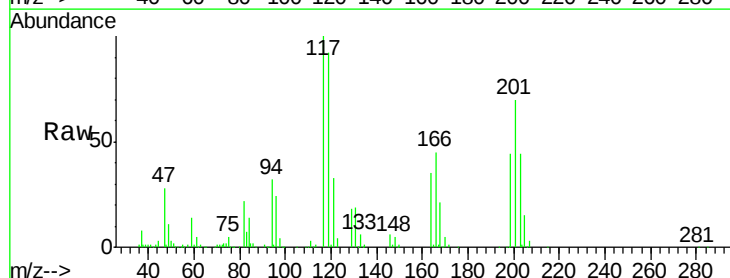
Manual Integrations
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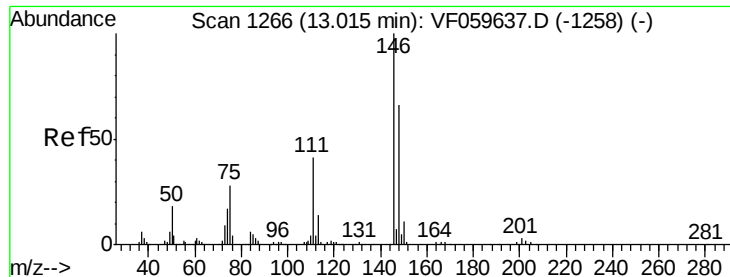
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#90
Hexachloroethane
Concen: 22.541 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.8	6.6	19.7#





#91

1,2-Dichlorobenzene

Concen: 21.077 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Instrument :

MSVOA_F

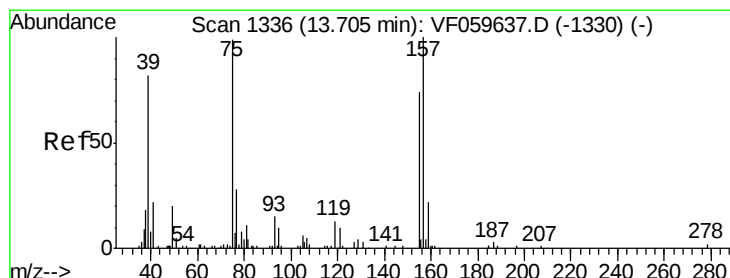
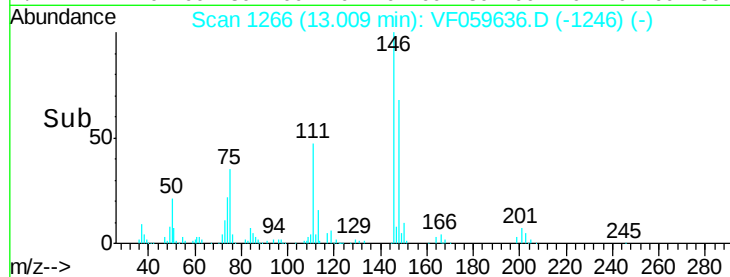
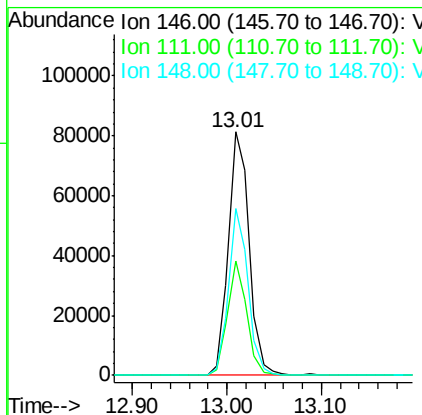
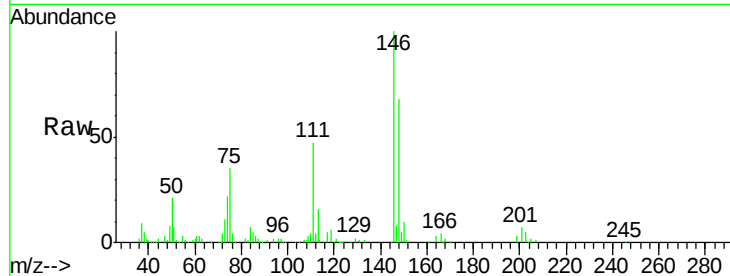
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	123919
Ion Ratio		Lower	Upper
146	100		
111	46.7	20.3	61.0
148	68.4	32.9	98.6

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.942 ug/l

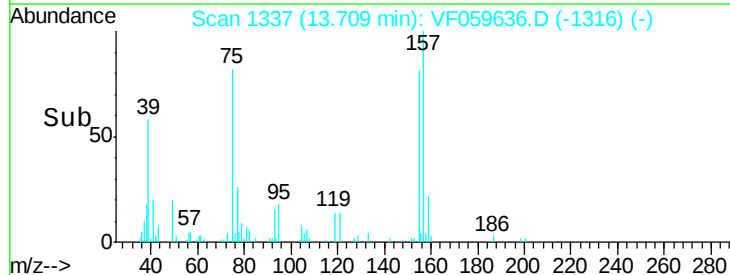
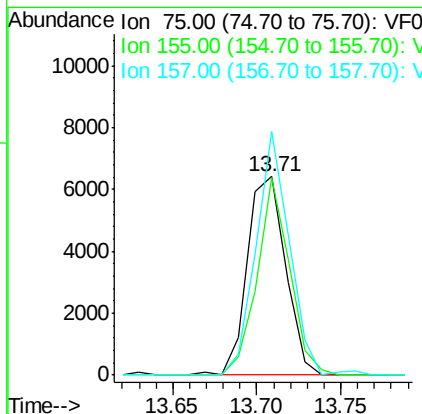
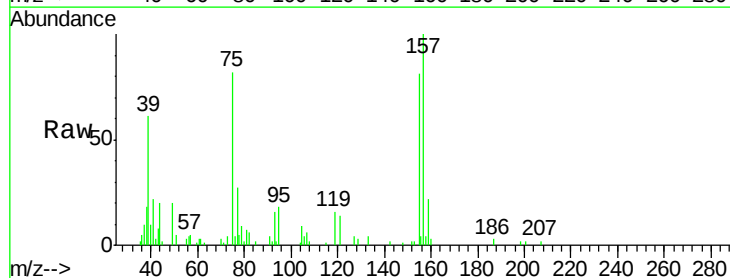
RT: 13.71 min Scan# 1337

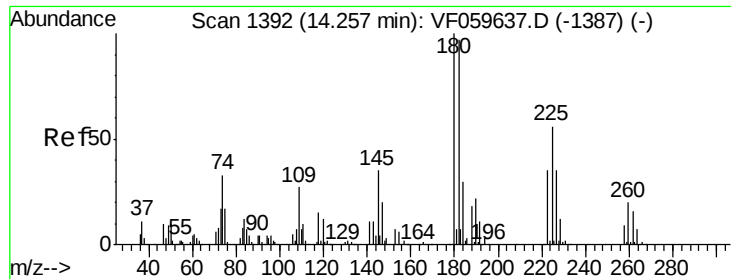
Delta R.T. 0.00 min

Lab File: VF059636.D

Acq: 24 Jul 2018 17:02

Tgt Ion:	75	Resp:	10117
Ion Ratio		Lower	Upper
75	100		
155	104.8	37.5	112.7
157	127.3	50.6	151.9





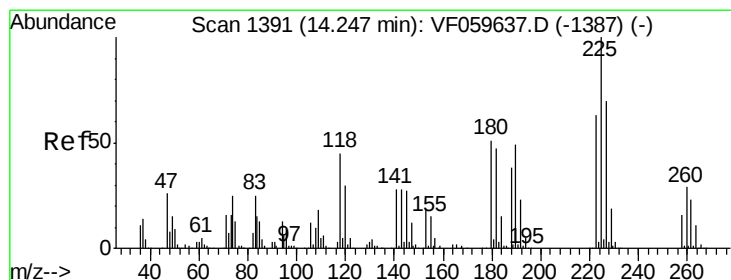
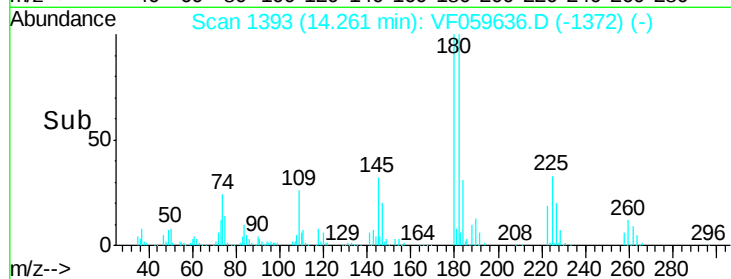
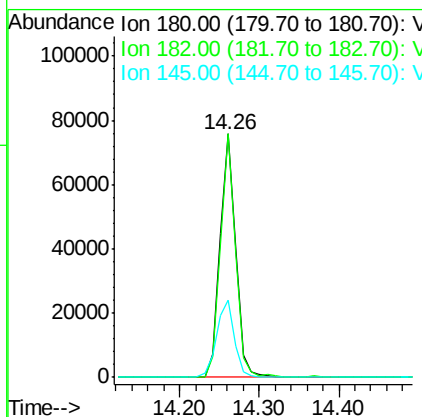
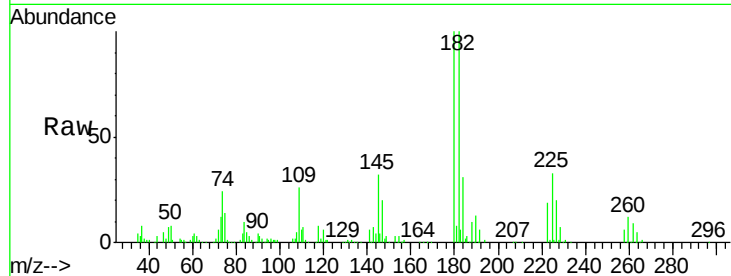
#93
 1,2,4-Trichlorobenzene
 Concen: 24.146 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059636.D
 Acq: 24 Jul 2018 17:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.0	48.5	145.6
145	31.7	17.4	52.2

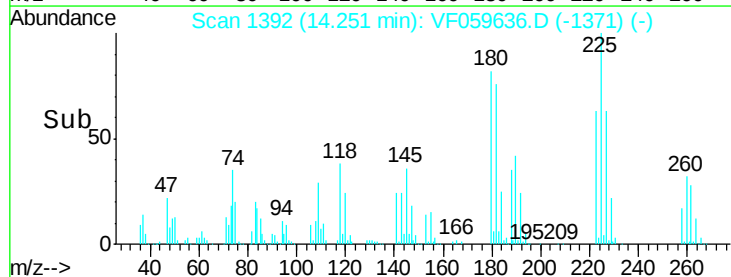
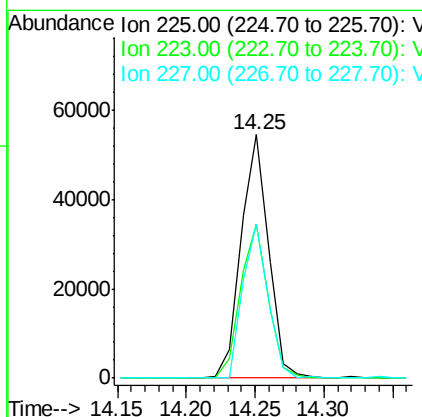
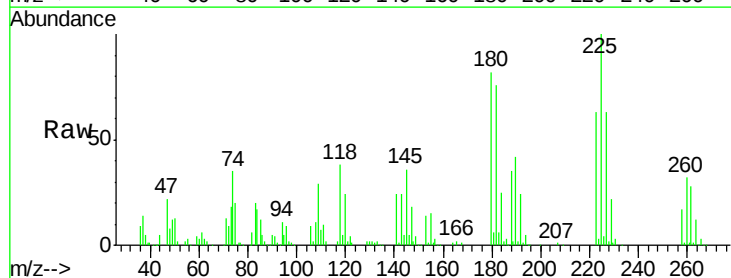
Manual Integrations
 APPROVED

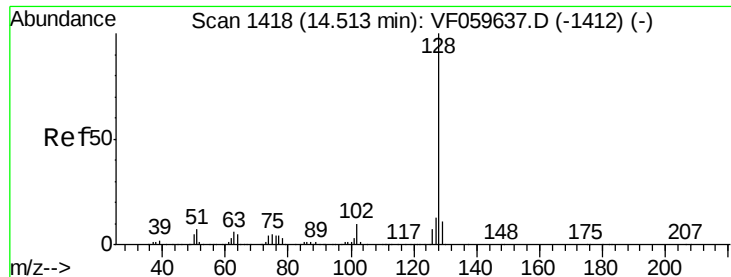
apatel
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#94
 Hexachlorobutadiene
 Concen: 24.674 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059636.D
 Acq: 24 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	33.3	99.8
227	63.3	34.8	104.4





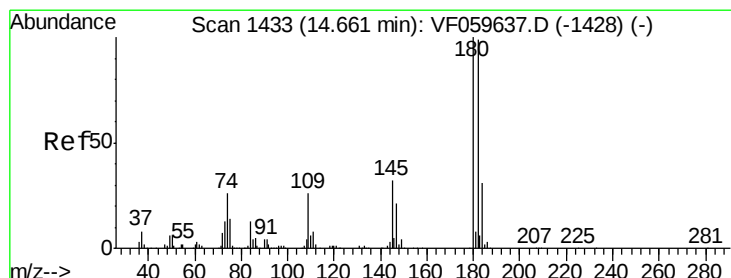
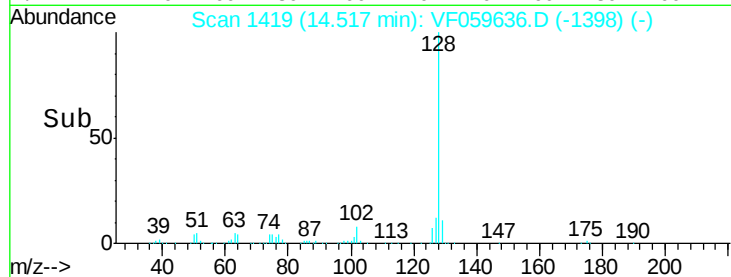
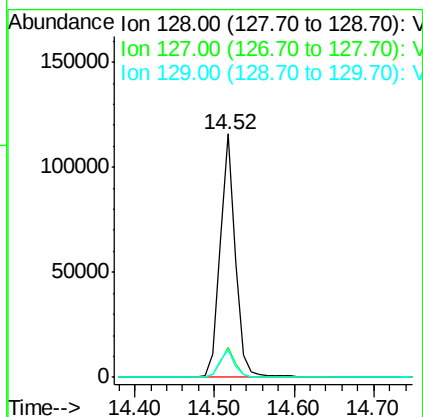
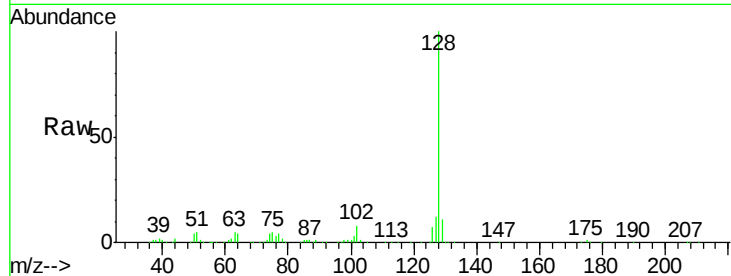
#95
Naphthalene
Concen: 22.208 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	11.1	9.1	13.7

Manual Integrations
APPROVED

apatel
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#96
1,2,3-Trichlorobenzene
Concen: 22.331 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059636.D
Acq: 24 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	49.5	148.5
145	32.1	16.0	48.0

