

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059634.D
 Acq On : 24 Jul 2018 16:07
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 7/25/2018 2:01:52 PM

Quant Time: Jul 25 01:03:12 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	241547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	339180	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	309546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	213241	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	18134	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
35) Dibromofluoromethane	4.27	113	16007	5.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.32%	
50) Toluene-d8	7.70	98	37590	4.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.68%	
62) 4-Bromofluorobenzene	11.50	95	19503	4.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.82%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.98	85	17262	5.808	ug/l 90
3) Chloromethane	1.08	50	9799	6.983	ug/l 92
4) Vinyl Chloride	1.15	62	8986	5.825	ug/l 94
5) Bromomethane	1.33	94	7759	5.898	ug/l 90
6) Chloroethane	1.42	64	5636	5.984	ug/l 88
7) Trichlorofluoromethane	1.48	101	23435m	5.619	ug/l
8) Diethyl Ether	1.69	74	3461	5.866	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	1.88	101	13712	6.399	ug/l 86
10) Methyl Iodide	1.94	142	20636	5.848	ug/l # 92
11) Tert butyl alcohol	2.67	59	3667	24.533	ug/l 94
12) 1,1-Dichloroethene	1.83	96	11356	6.787	ug/l # 62
13) Acrolein	2.08	56	1719	23.427	ug/l 83
14) Allyl chloride	2.18	41	14567	4.811	ug/l 86
15) Acrylonitrile	3.06	53	5873	25.442	ug/l 93
16) Acetone	2.33	43	16779	26.812	ug/l 94
17) Carbon Disulfide	1.83	76	27040	6.217	ug/l 97
18) Methyl Acetate	2.44	43	6300	5.934	ug/l # 91
19) Methyl tert-butyl Ether	2.53	73	25030	5.166	ug/l # 79
20) Methylene Chloride	2.26	84	11293	5.965	ug/l 88
21) trans-1,2-Dichloroethene	2.40	96	10947	6.305	ug/l 79
22) Diisopropyl ether	2.92	45	31293	5.653	ug/l 98
23) Vinyl Acetate	3.32	43	61103	22.149	ug/l 97
24) 1,1-Dichloroethane	2.98	63	22325	5.599	ug/l 99
25) 2-Butanone	4.49	43	19984	30.589	ug/l 97
26) 2,2-Dichloropropane	3.73	77	19175	5.776	ug/l 99
27) cis-1,2-Dichloroethene	3.62	96	12093	6.070	ug/l 94
28) Bromochloromethane	3.87	49	8576	5.852	ug/l 94
29) Tetrahydrofuran	4.25	42	8281	31.112	ug/l 92
30) Chloroform	4.02	83	30021	5.454	ug/l 91
31) Cyclohexane	3.85	56	12717	5.689	ug/l 97
32) 1,1,1-Trichloroethane	4.26	97	26995	5.483	ug/l 93
36) 1,1-Dichloropropene	4.44	75	18159	5.324	ug/l 99
37) Ethyl Acetate	4.27	43	9127	6.800	ug/l # 58
38) Carbon Tetrachloride	4.15	117	26442	5.122	ug/l 94

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Manual Integrations
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Quant Time: Jul 25 01:03:12 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)
39) Methylcyclohexane	5.62	83	15165	5.512	ug/l	87
40) Benzene	4.80	78	36555	5.862	ug/l	90
41) Methacrylonitrile	4.92	41	3414	5.150	ug/l #	85
42) 1,2-Dichloroethane	5.10	62	21098	5.114	ug/l	97
43) Isopropyl Acetate	7.10	43	9040	5.408	ug/l #	76
44) Trichloroethene	5.66	130	12786	5.374	ug/l	59
45) 1,2-Dichloropropane	6.38	63	8291	4.973	ug/l	91
46) Dibromomethane	6.24	93	7367	5.435	ug/l	86
47) Bromodichloromethane	6.53	83	22381	5.392	ug/l	97
48) Methyl methacrylate	6.86	41	5445	4.279	ug/l #	89
49) 1,4-Dioxane	6.86	88	924	103.287	ug/l #	48
51) 4-Methyl-2-Pentanone	8.40	43	31381	25.097	ug/l #	87
52) Toluene	7.76	92	28339	6.009	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	18022	5.188	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	18627	5.382	ug/l #	92
55) 1,1,2-Trichloroethane	8.63	97	7695	4.919	ug/l	91
56) Ethyl methacrylate	8.74	69	7887	4.548	ug/l #	76
57) 1,3-Dichloropropane	8.99	76	12737	4.659	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.76	63	5588	27.146	ug/l	100
59) 2-Hexanone	9.62	43	23889	24.048	ug/l	95
60) Dibromochloromethane	8.85	129	13933	4.960	ug/l	98
61) 1,2-Dibromoethane	9.12	107	9986	5.546	ug/l	88
64) Tetrachloroethene	8.29	164	15072	6.503	ug/l	96
65) Chlorobenzene	9.92	112	32845	5.820	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.06	131	16401	6.379	ug/l	96
67) Ethyl Benzene	10.02	91	59520	5.823	ug/l	91
68) m/p-Xylenes	10.26	106	42296	11.928	ug/l	98
69) o-Xylene	10.82	106	21780	5.696	ug/l	94
70) Styrene	10.89	104	31454	5.521	ug/l	96
71) Bromoform	10.88	173	7548	4.782	ug/l	78
73) Isopropylbenzene	11.22	105	71677	5.302	ug/l	99
74) N-amyl acetate	11.45	43	15339	5.166	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	10764	4.817	ug/l #	89
76) 1,2,3-Trichloropropane	11.88	75	8625	4.407	ug/l	89
77) Bromobenzene	11.59	156	17968	5.211	ug/l	95
78) n-propylbenzene	11.68	91	91326	5.663	ug/l	99
79) 2-Chlorotoluene	11.81	91	54556	5.626	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	64594	5.324	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	5562	6.865	ug/l	94
82) 4-Chlorotoluene	11.98	91	57897	5.387	ug/l	97
83) tert-Butylbenzene	12.21	119	67446	5.629	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	66987	5.451	ug/l	99
85) sec-Butylbenzene	12.38	105	91741	5.897	ug/l	96
86) p-Isopropyltoluene	12.53	119	76785	5.639	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	40345	6.024	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	38943	6.238	ug/l	94
89) n-Butylbenzene	12.91	91	79749	6.096	ug/l	94
90) Hexachloroethane	12.99	117	18224	5.361	ug/l #	1
91) 1,2-Dichlorobenzene	13.01	146	36742	5.831	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	3022	5.558	ug/l	83

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Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 82 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

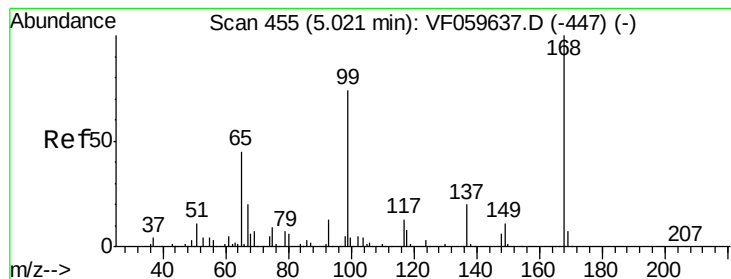
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Quant Time: Jul 25 01:03:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 25 00:58:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	28555	6.065	µg/l	89
94) Hexachlorobutadiene	14.25	225	19715	5.999	µg/l	92
95) Naphthalene	14.52	128	38394	5.059	µg/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	22515	5.274	µg/l	93

(#) = 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: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 241547

Ion Ratio Lower Upper

168 100

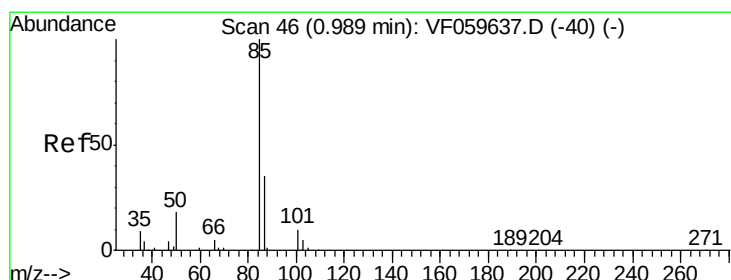
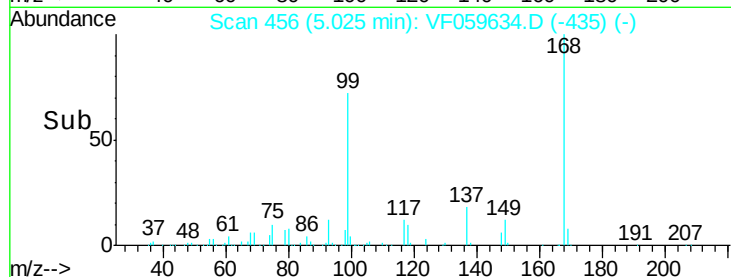
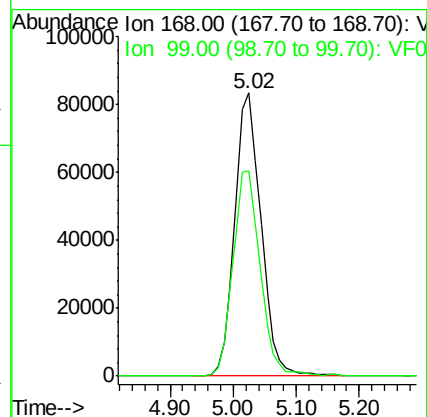
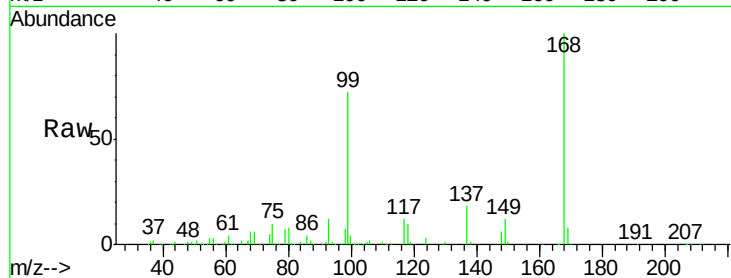
99 72.4 59.5 89.3

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#2

Dichlorodifluoromethane

Concen: 5.808 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059634.D

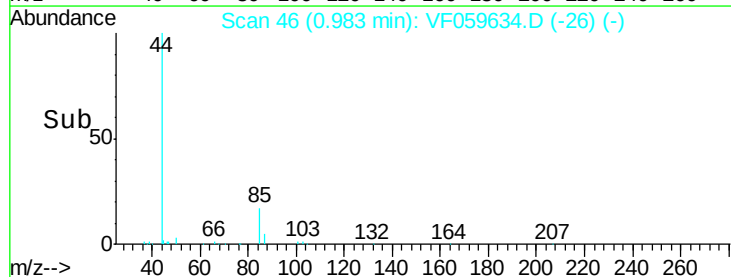
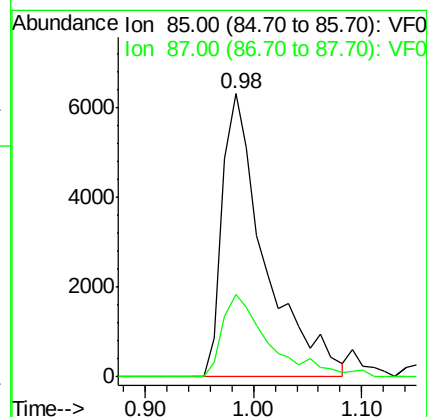
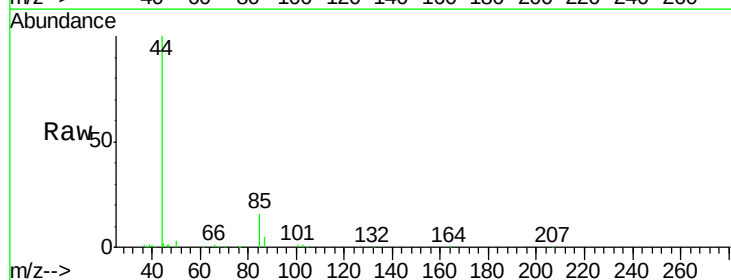
Acq: 24 Jul 2018 16:07

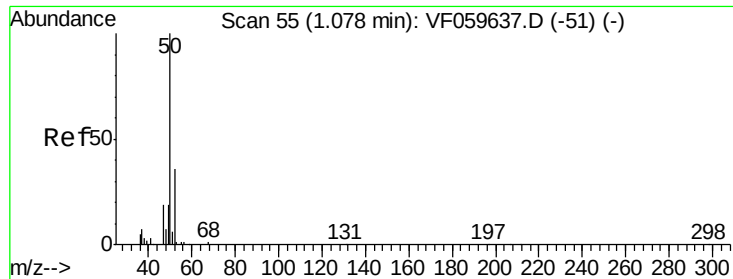
Tgt Ion: 85 Resp: 17262

Ion Ratio Lower Upper

85 100

87 29.2 17.4 52.2





#3

Chloromethane

Concen: 6.983 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 9799

Ion Ratio Lower Upper

50 100

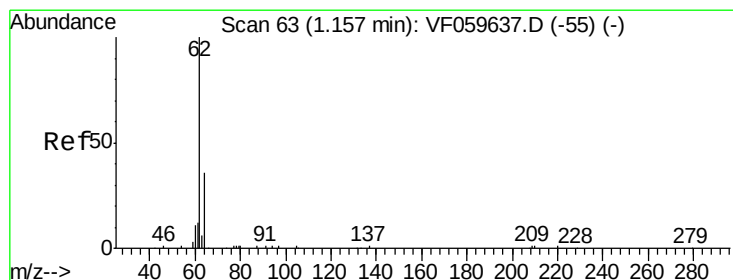
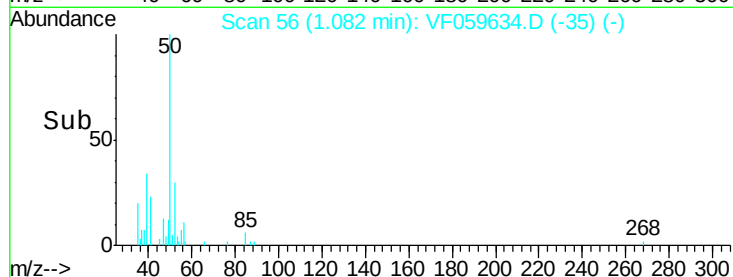
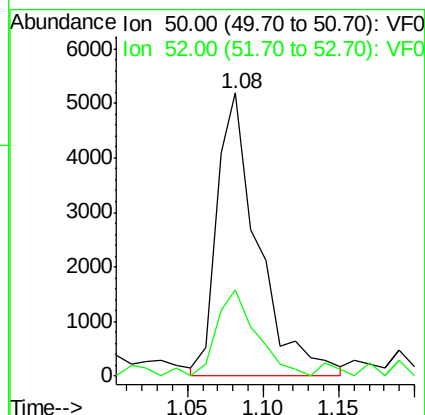
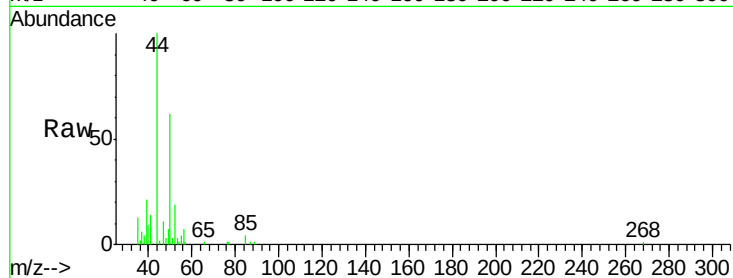
52 30.3 28.0 42.0

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#4

Vinyl Chloride

Concen: 5.825 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059634.D

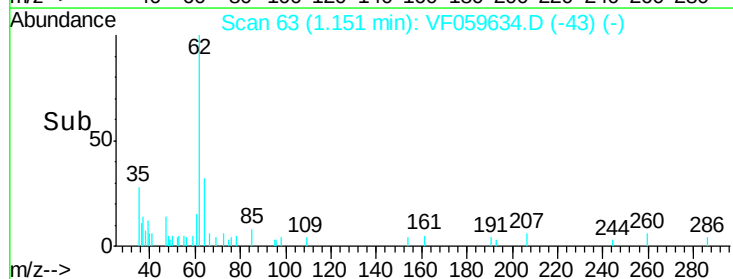
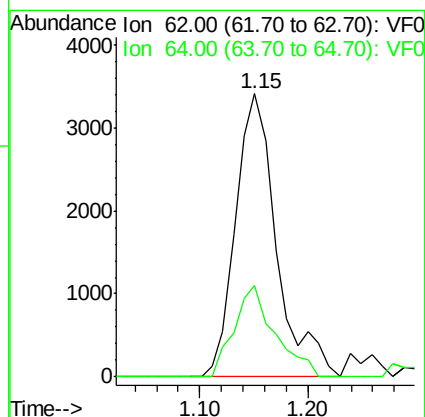
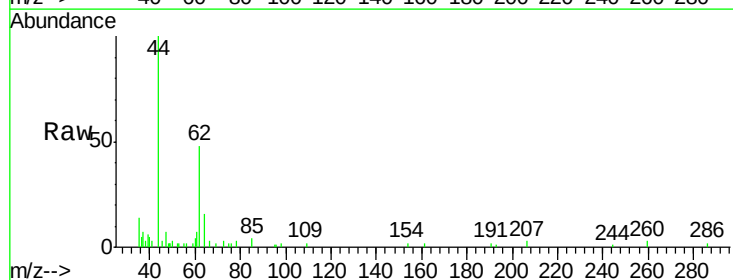
Acq: 24 Jul 2018 16:07

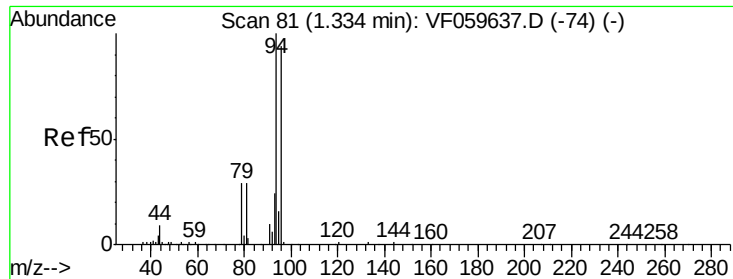
Tgt Ion: 62 Resp: 8986

Ion Ratio Lower Upper

62 100

64 32.5 28.6 43.0





#5

Bromomethane

Concen: 5.898 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 7759

Ion Ratio Lower Upper

94 100

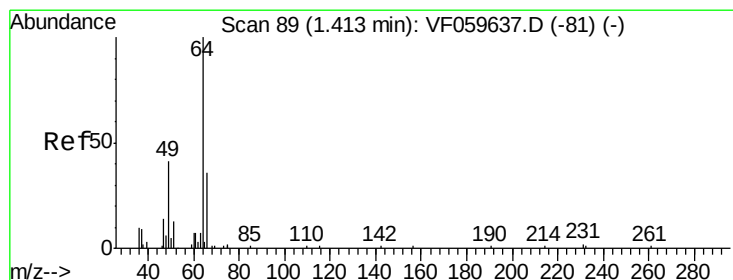
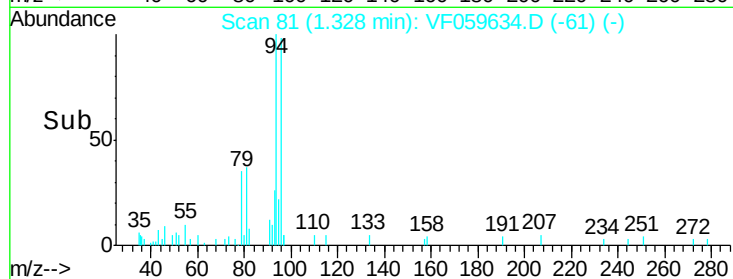
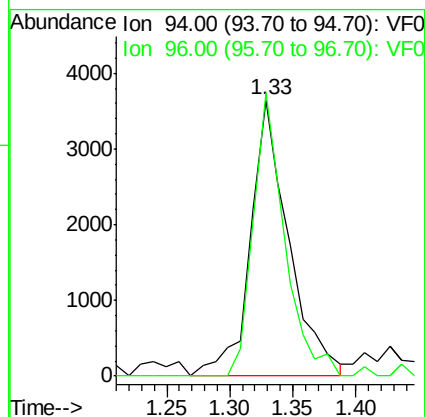
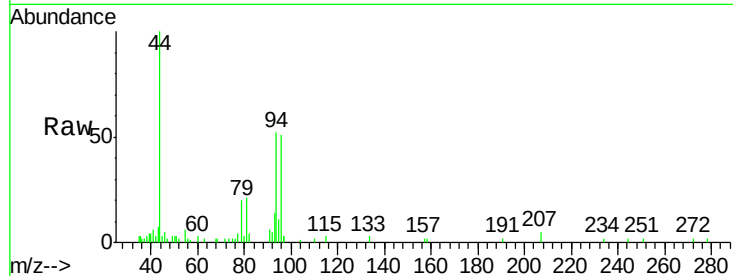
96 102.7 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 5.984 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059634.D

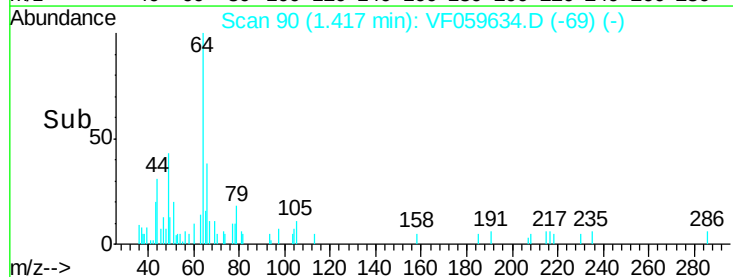
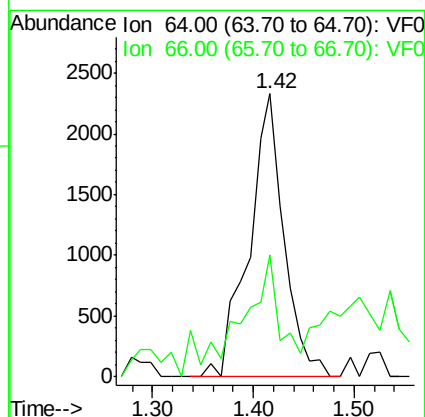
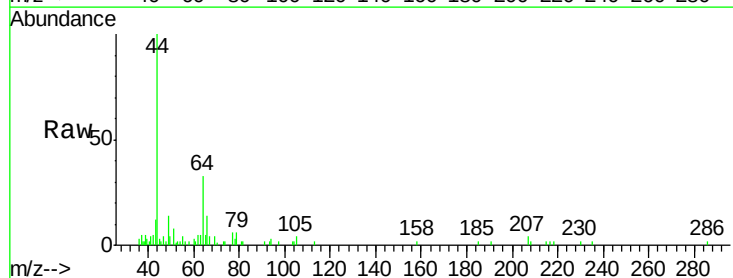
Acq: 24 Jul 2018 16:07

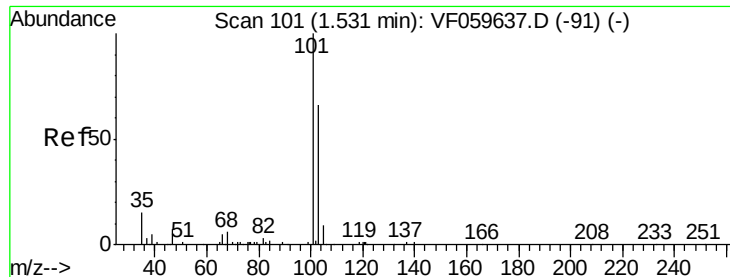
Tgt Ion: 64 Resp: 5636

Ion Ratio Lower Upper

64 100

66 43.1 29.0 43.6





#7

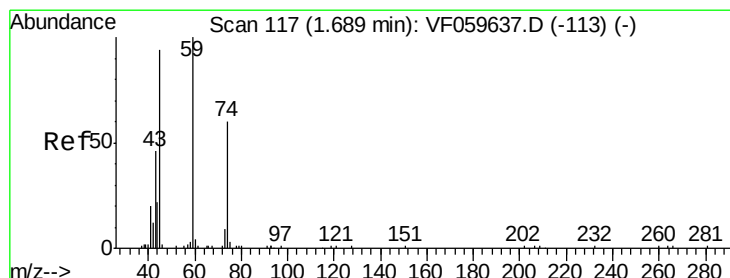
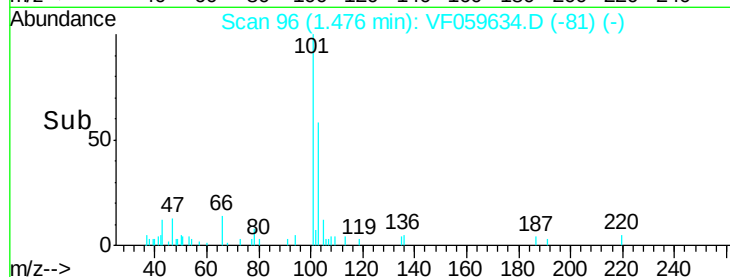
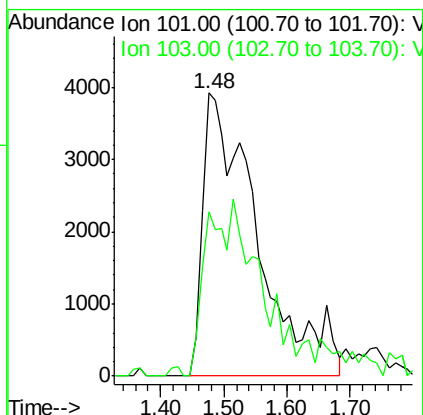
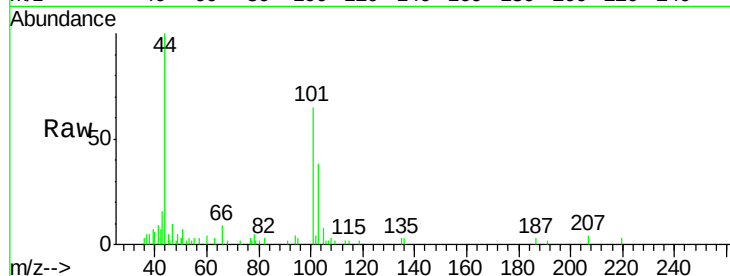
Trichlorofluoromethane
Concen: 5.619 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. -0.06 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.1	52.5	78.7

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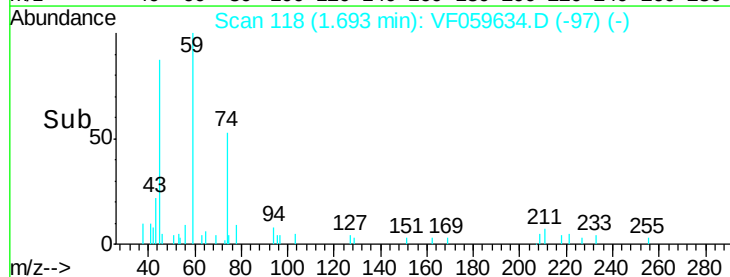
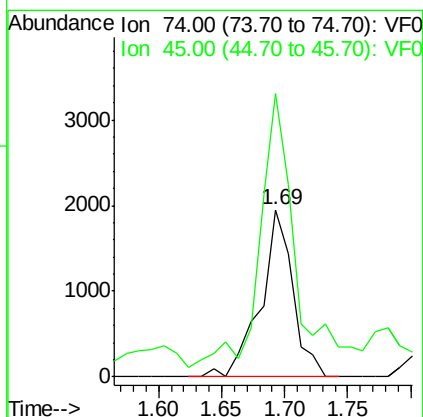
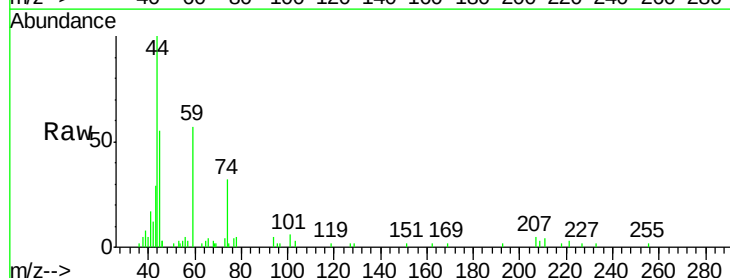
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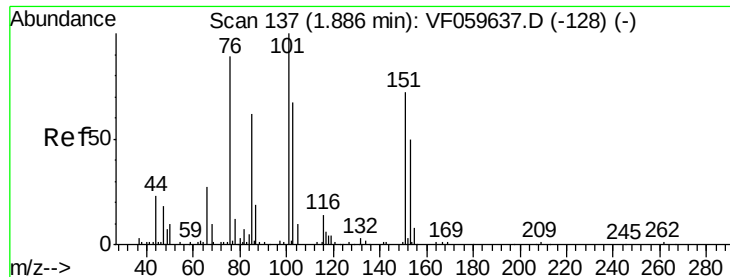


#8

Diethyl Ether
Concen: 5.866 ug/l
RT: 1.69 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	169.0	80.3	241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.399 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

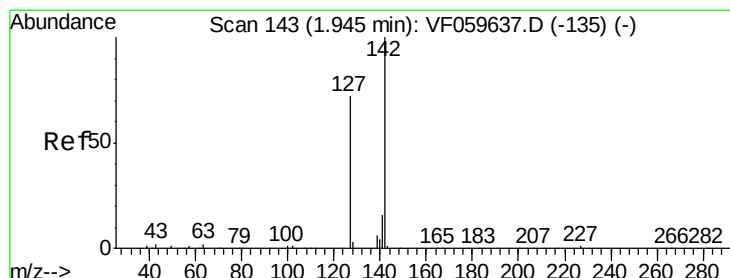
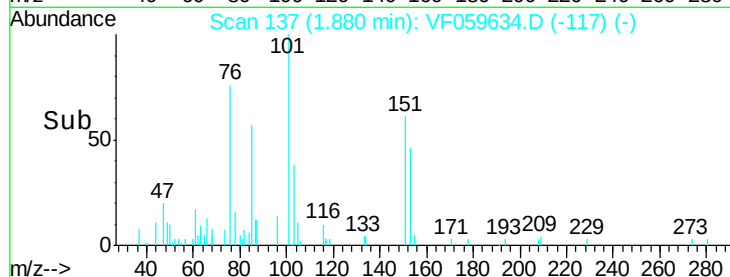
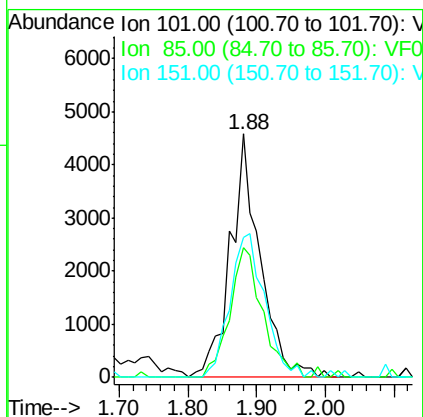
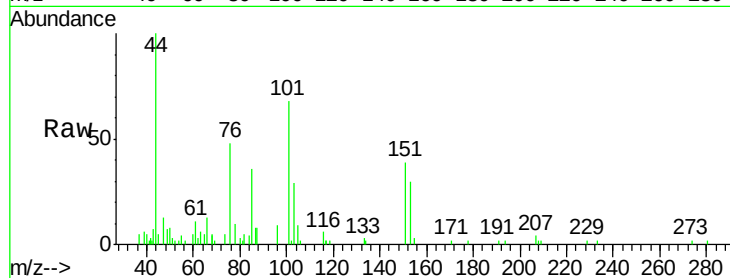
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	13712
Ion Ratio	Lower	Upper	
101	100		
85	53.5	49.0	73.4
151	57.3	56.8	85.2

Manual Integrations
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#10

Methyl Iodide

Concen: 5.848 ug/l

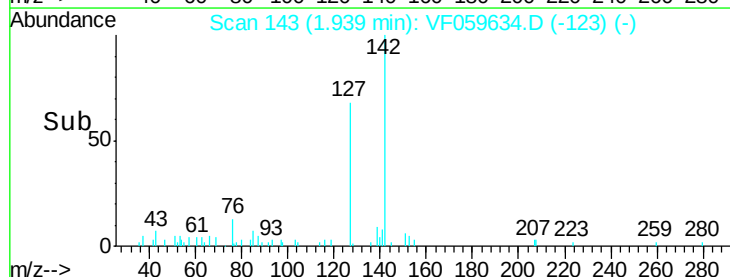
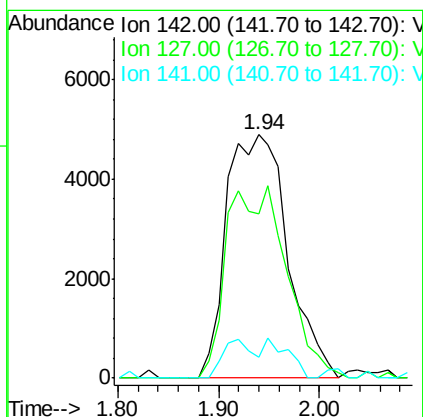
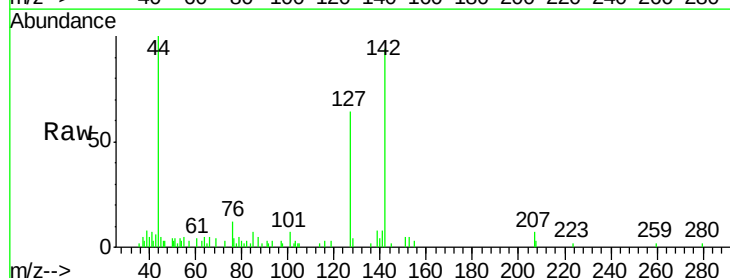
RT: 1.94 min Scan# 143

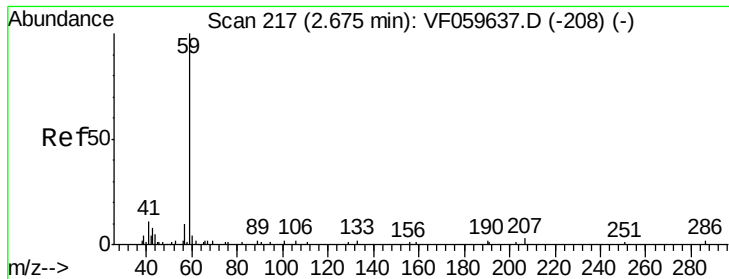
Delta R.T. -0.01 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Tgt Ion:	142	Resp:	20636
Ion Ratio	Lower	Upper	
142	100		
127	67.6	57.5	86.3
141	8.3	13.2	19.8#





#11

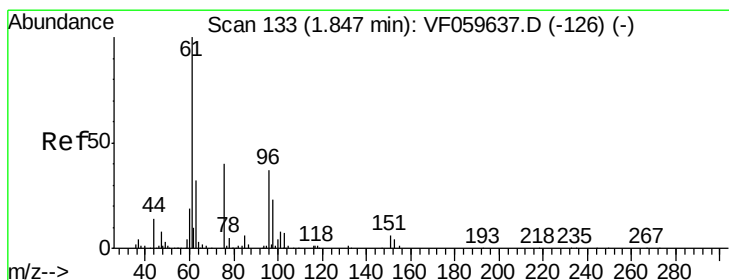
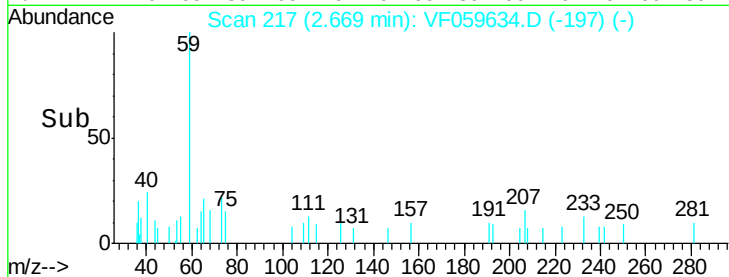
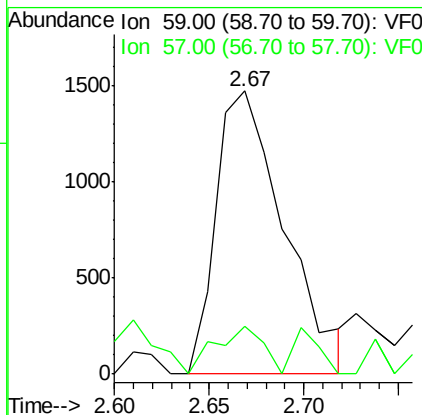
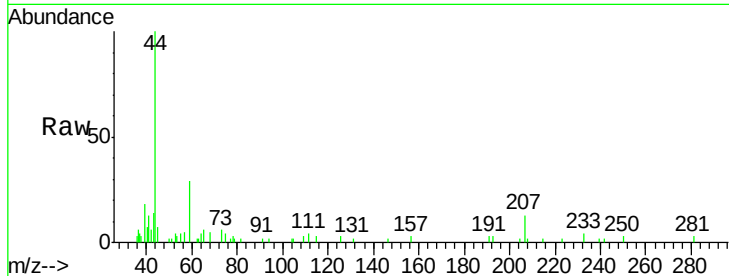
Tert butyl alcohol
Concen: 24.533 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	16.7	11.4	17.2

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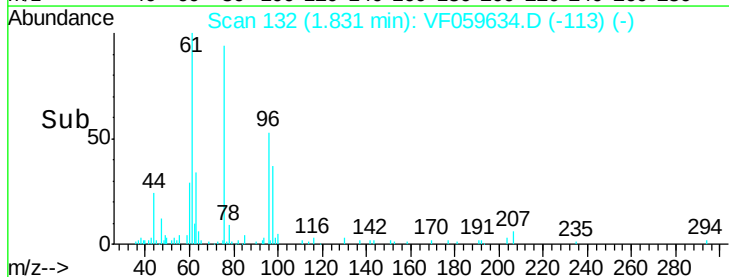
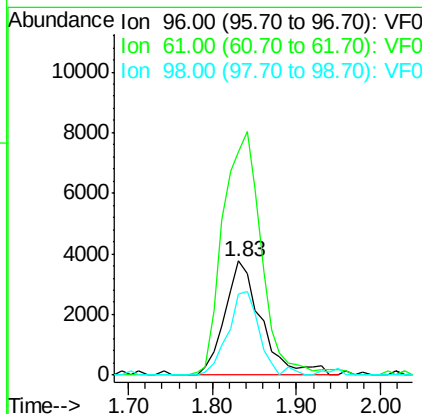
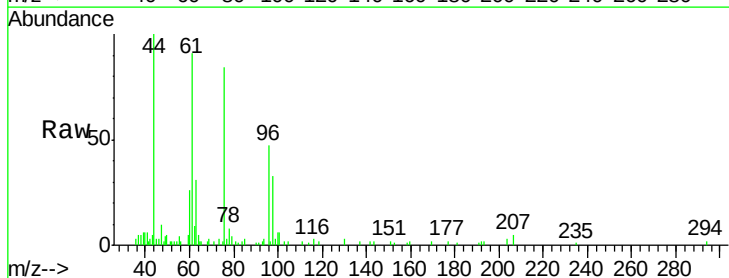
apatel
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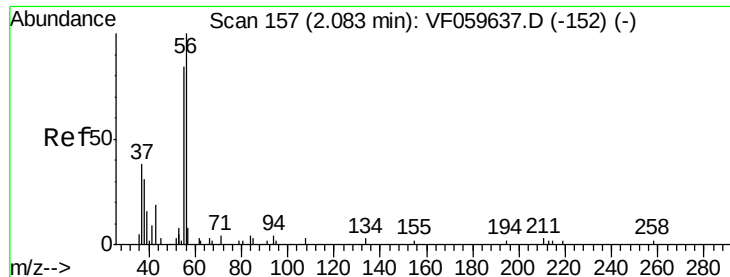


#12

1,1-Dichloroethene
Concen: 6.787 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.02 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.9	218.2	327.4#
98	68.5	50.6	76.0





#13

Acrolein

Concen: 23.427 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 1719

Ion Ratio Lower Upper

56 100

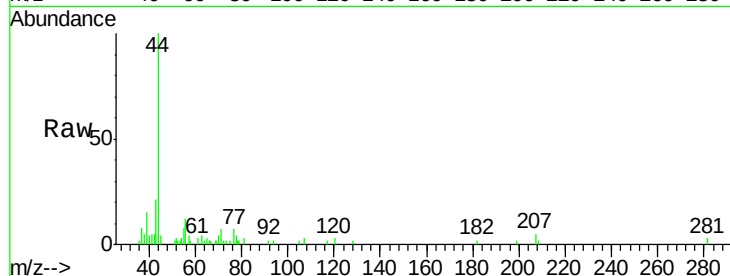
55 68.9 67.2 100.8

Manual Integrations

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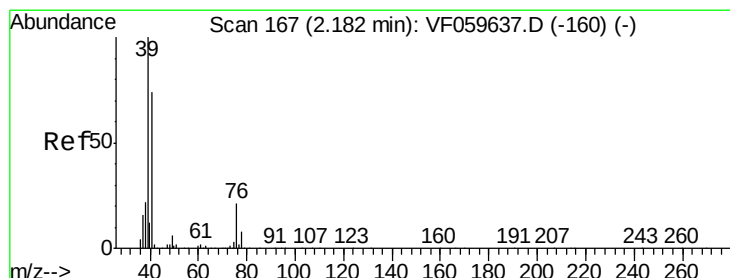
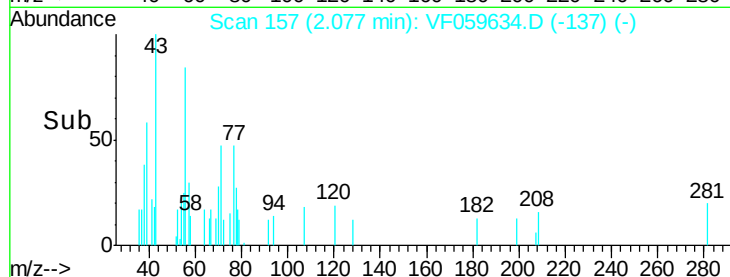
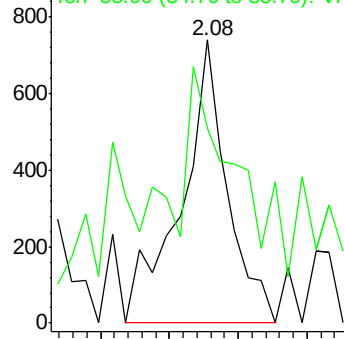
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 4.811 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

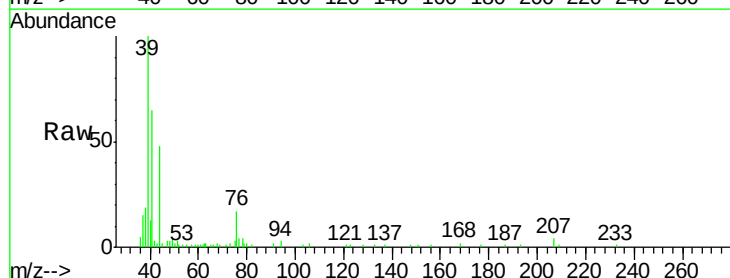
Tgt Ion: 41 Resp: 14567

Ion Ratio Lower Upper

41 100

39 154.7 108.6 162.8

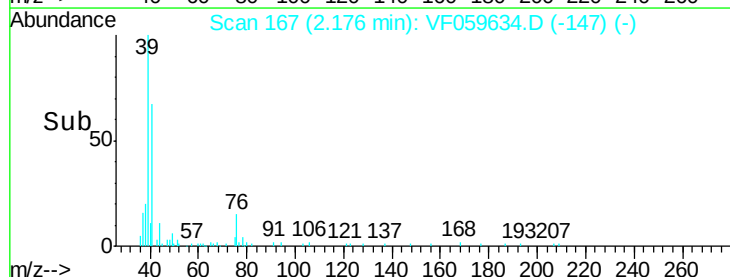
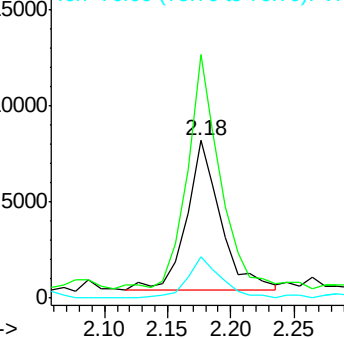
76 26.1 23.0 34.6

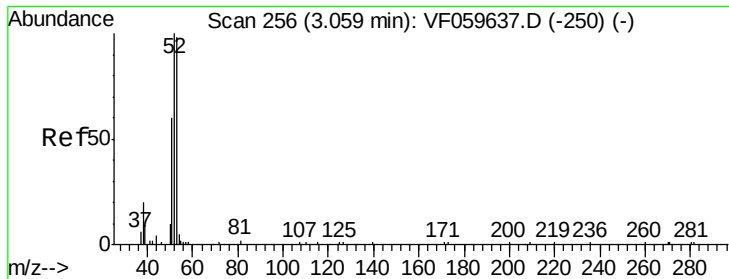


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 25.442 ug/l

RT: 3.06 min Scan# 257

Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

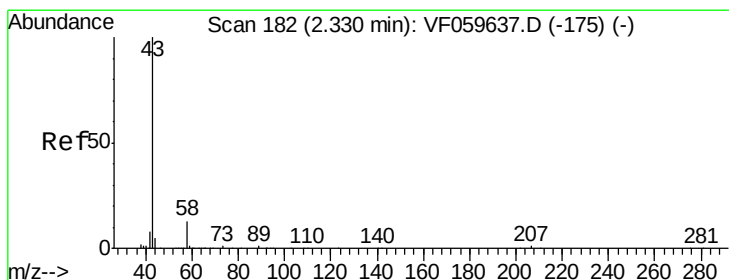
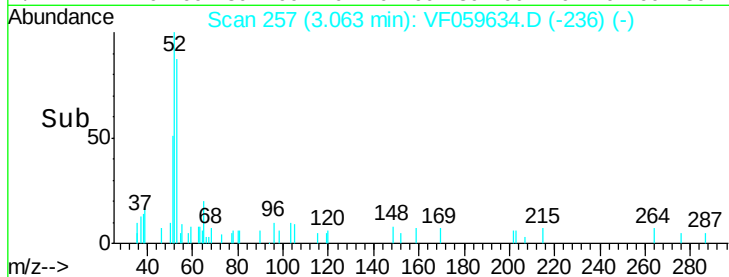
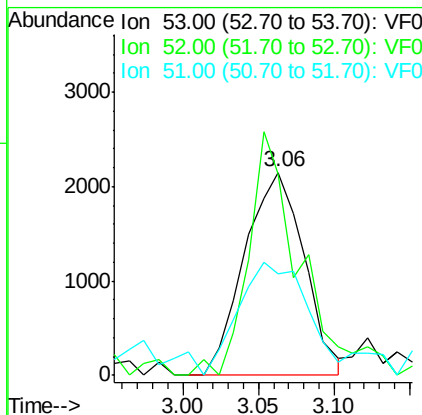
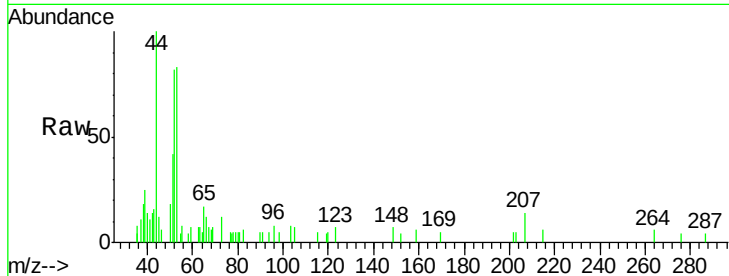
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	5873
Ion	Ratio	Lower	Upper
53	100		
52	98.9	80.9	121.3
51	50.0	49.4	74.2

Manual Integrations
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#16

Acetone

Concen: 26.812 ug/l

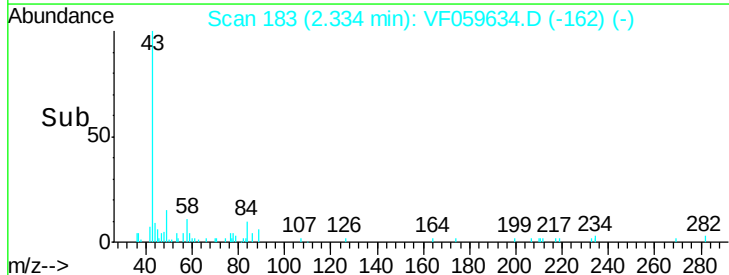
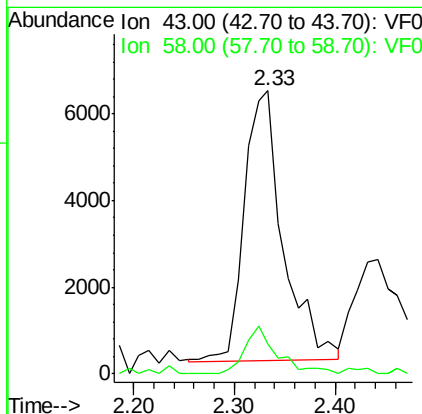
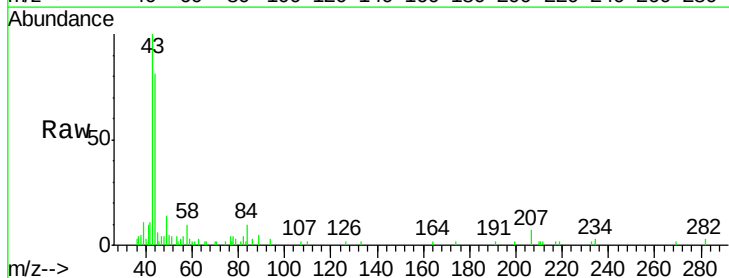
RT: 2.33 min Scan# 183

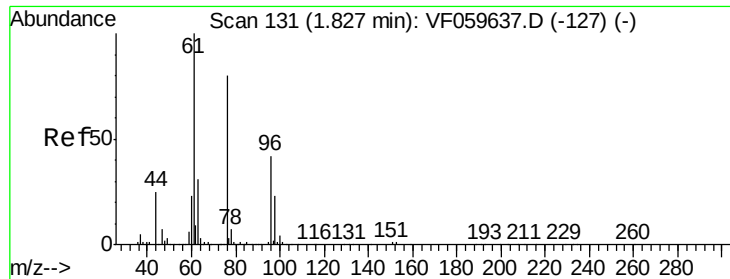
Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Tgt Ion:	43	Resp:	16779
Ion	Ratio	Lower	Upper
43	100		
58	10.4	10.2	15.2





#17

Carbon Disulfide

Concen: 6.217 ug/l

RT: 1.83 min Scan# 132

Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 27040

Ion Ratio Lower Upper

76 100

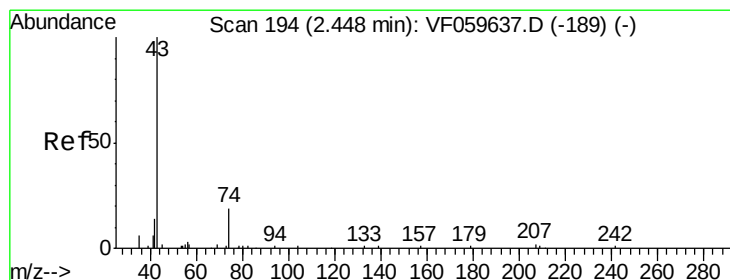
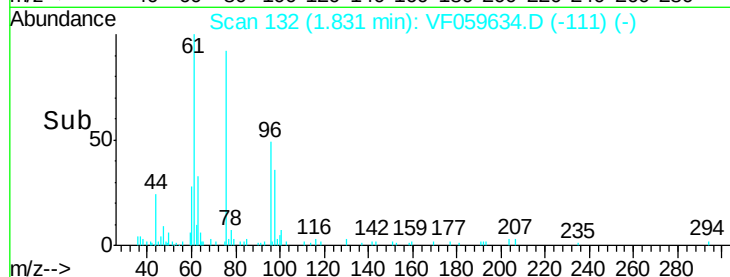
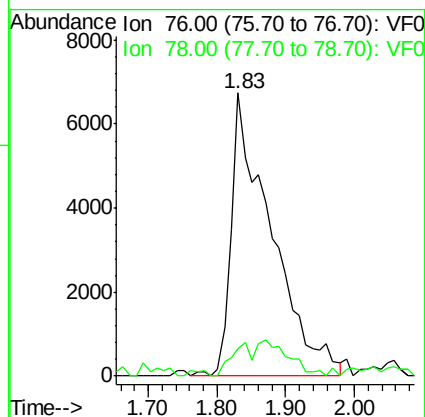
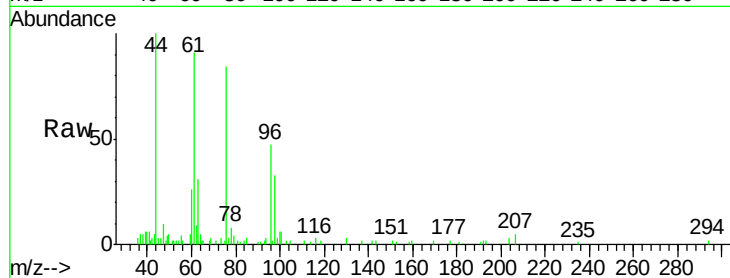
78 9.8 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 5.934 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF059634.D

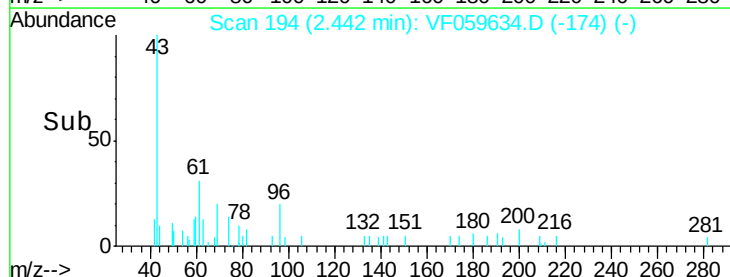
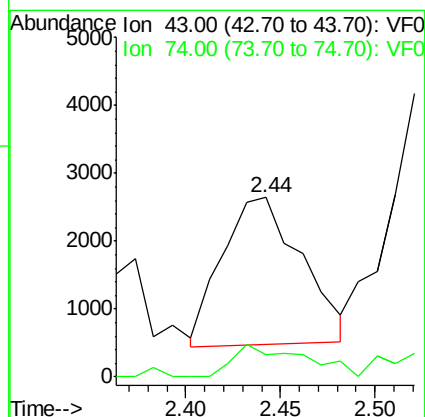
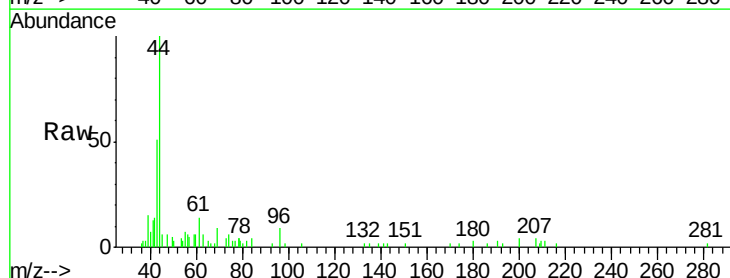
Acq: 24 Jul 2018 16:07

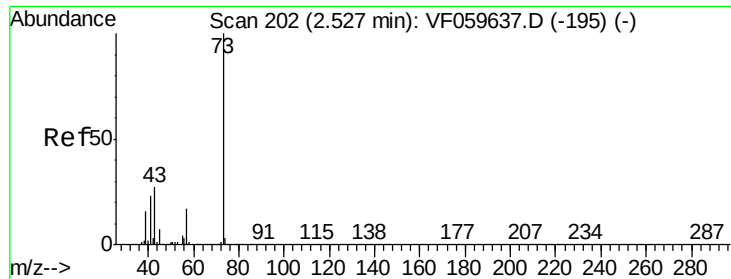
Tgt Ion: 43 Resp: 6300

Ion Ratio Lower Upper

43 100

74 12.4 13.0 19.6#





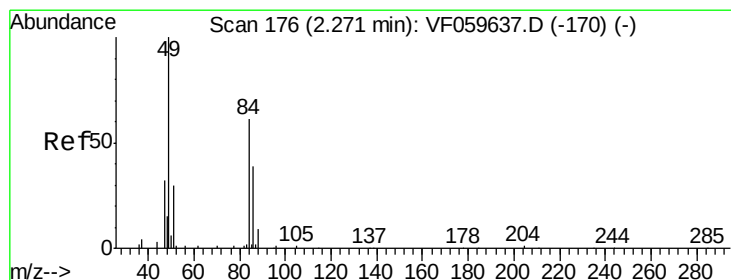
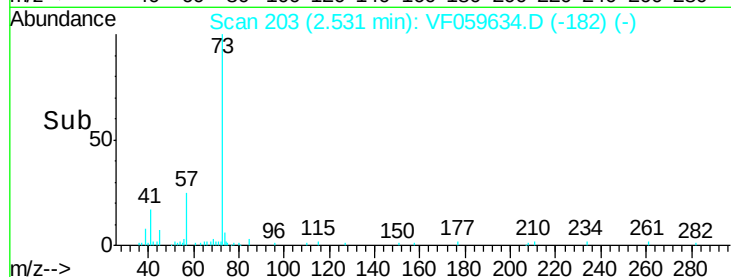
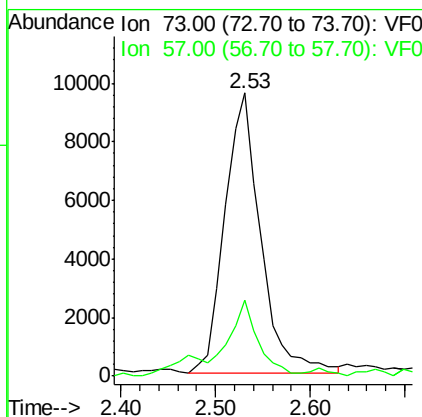
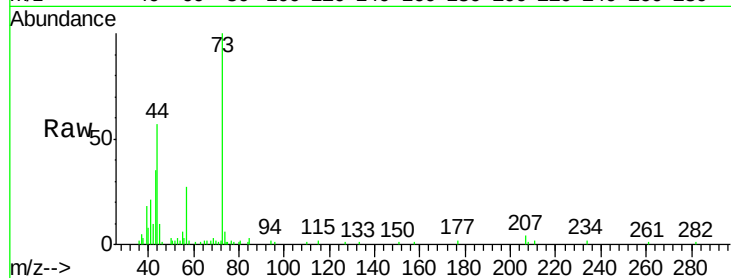
#19
Methyl tert-butyl Ether
Concen: 5.166 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Instrument :
MSVOA_F
ClientSampled :
VSTDIC005

Tot Ion: 73 Resp: 25030
Ion Ratio Lower Upper
73 100
57 26.9 14.2 21.4#

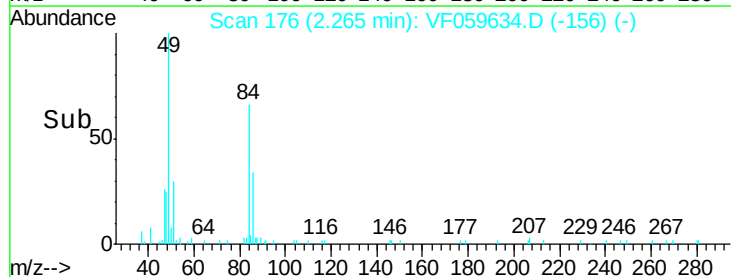
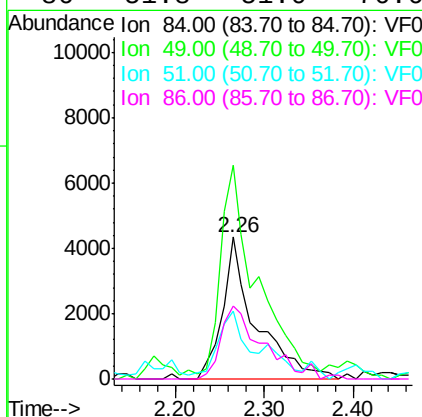
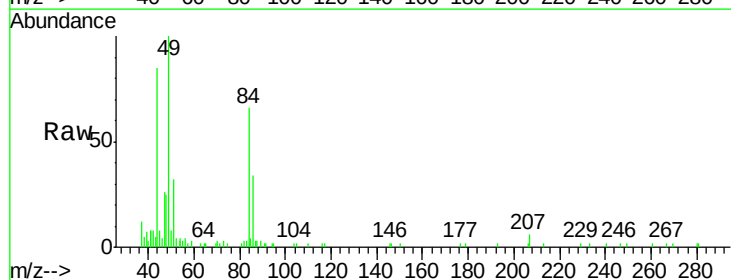
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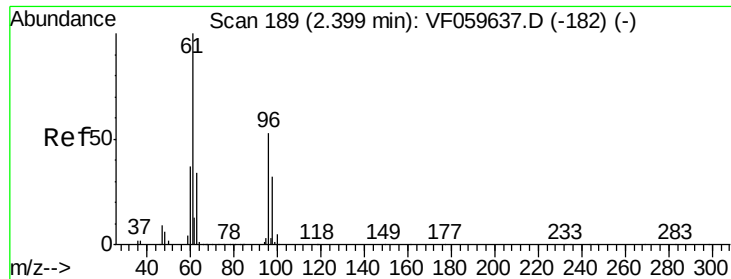
apatel
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#20
Methylene Chloride
Concen: 5.965 ug/l
RT: 2.26 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Tgt Ion: 84 Resp: 11293
Ion Ratio Lower Upper
84 100
49 150.6 133.8 200.8
51 48.3 41.1 61.7
86 51.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 6.305 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

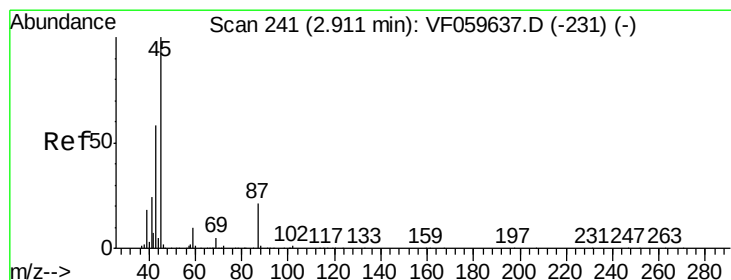
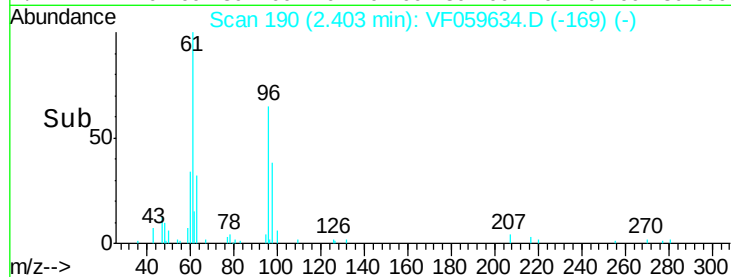
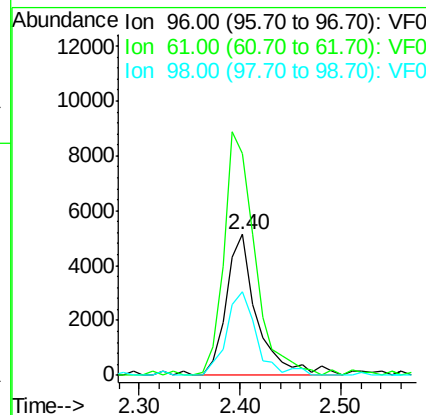
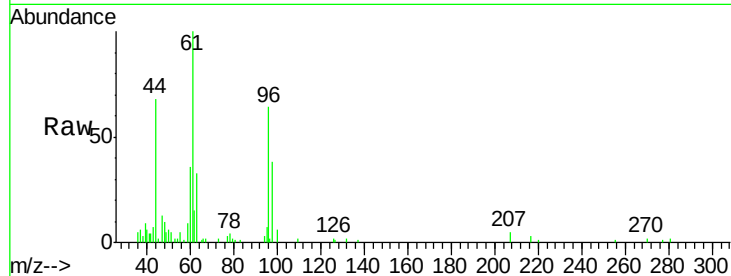
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	10947
Ion	Ratio	Lower	Upper
96	100		
61	151.5	151.4	227.2
98	57.1	49.0	73.6

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#22

Diisopropyl ether

Concen: 5.653 ug/l

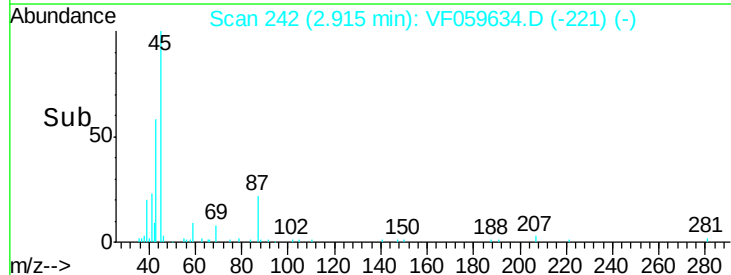
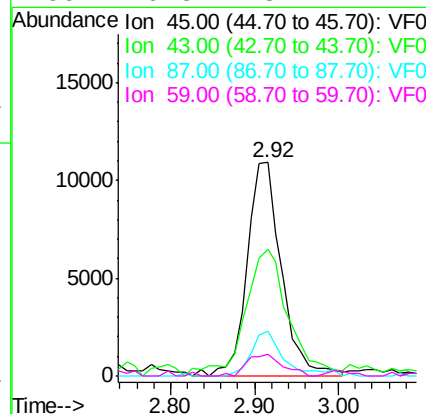
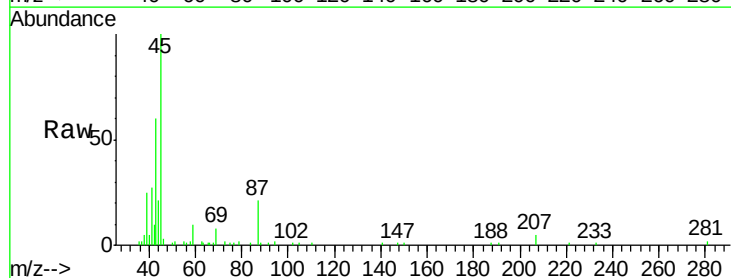
RT: 2.92 min Scan# 242

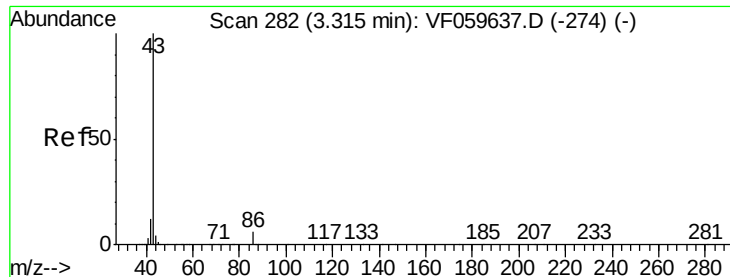
Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Tgt Ion:	45	Resp:	31293
Ion	Ratio	Lower	Upper
45	100		
43	59.6	46.5	69.7
87	21.3	16.5	24.7
59	10.3	8.2	12.2





#23

Vinyl Acetate

Concen: 22.149 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 61103

Ion Ratio Lower Upper

43 100

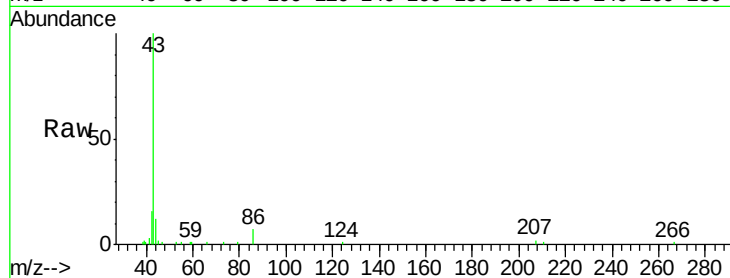
86 6.5 4.5 6.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

25000

20000

15000

10000

5000

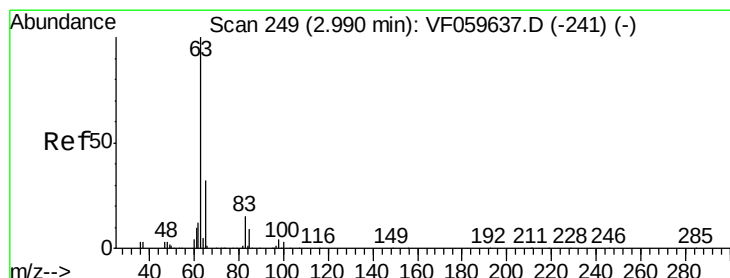
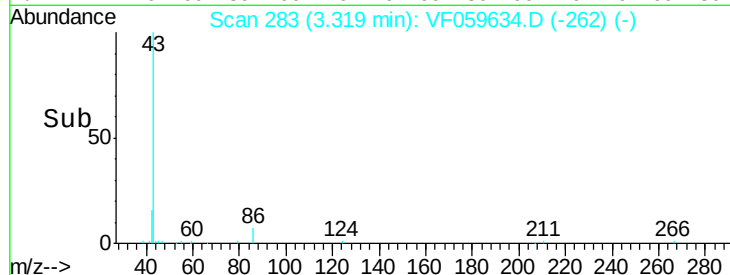
0

Time-->

3.20

3.30

3.40



#24

1,1-Dichloroethane

Concen: 5.599 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

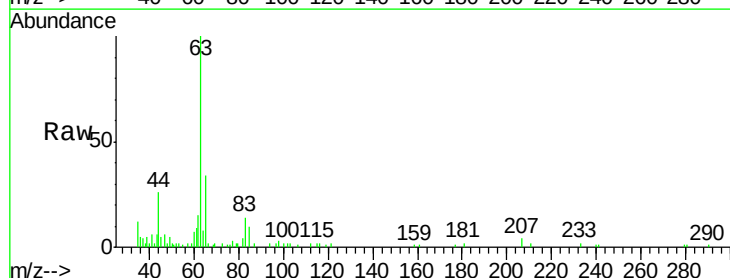
Tgt Ion: 63 Resp: 22325

Ion Ratio Lower Upper

63 100

98 3.3 1.8 5.5

100 2.2 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

12000

10000

8000

6000

4000

2000

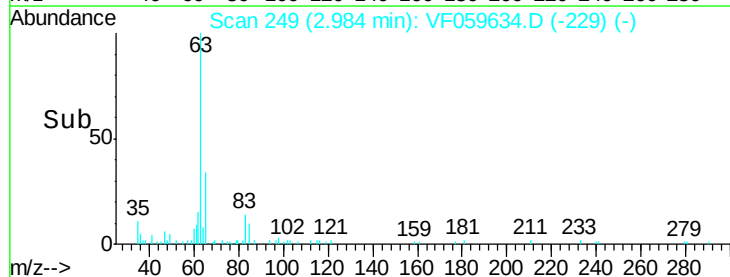
0

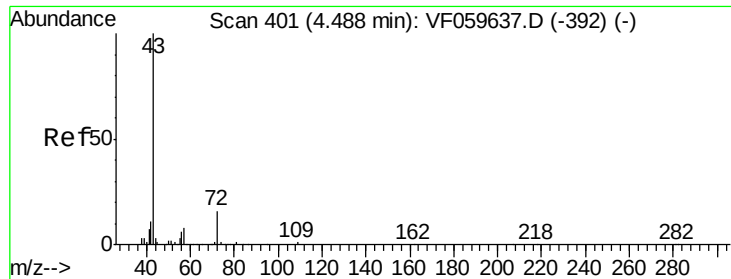
Time-->

2.90

3.00

3.10





#25

2-Butanone

Concen: 30.589 ug/l

RT: 4.49 min Scan# 402

Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 19984

Ion Ratio Lower Upper

43 100

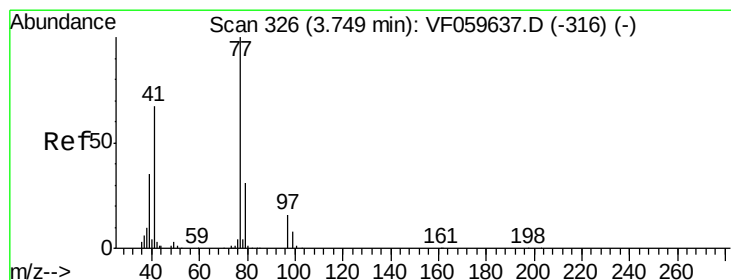
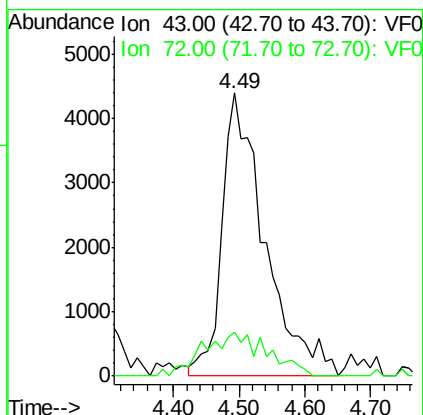
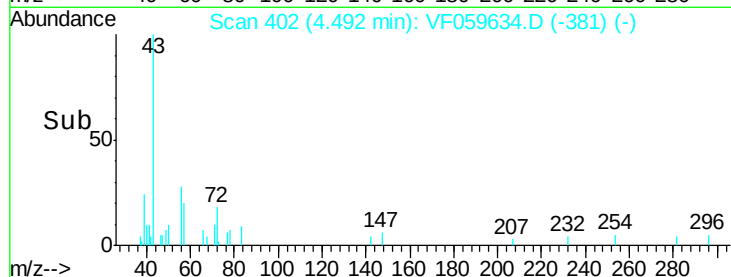
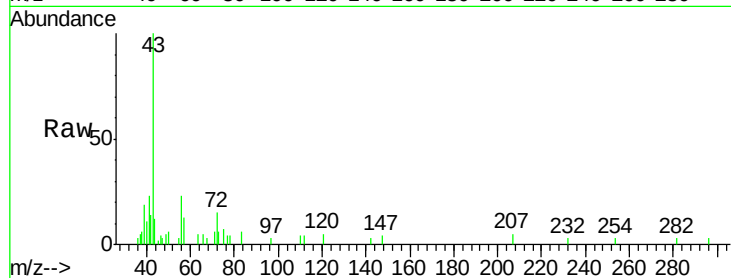
72 15.4 13.5 20.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.776 ug/l

RT: 3.73 min Scan# 325

Delta R.T. -0.02 min

Lab File: VF059634.D

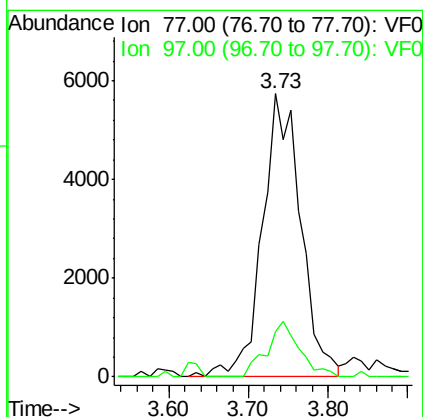
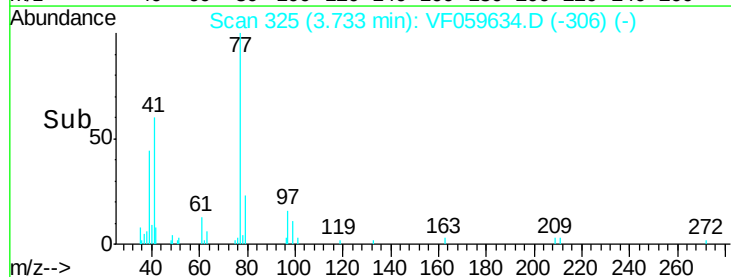
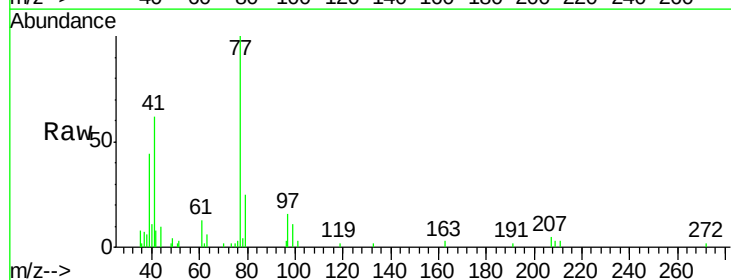
Acq: 24 Jul 2018 16:07

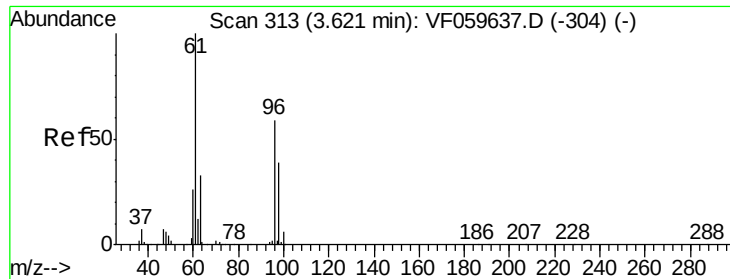
Tgt Ion: 77 Resp: 19175

Ion Ratio Lower Upper

77 100

97 16.0 7.8 23.3





#27

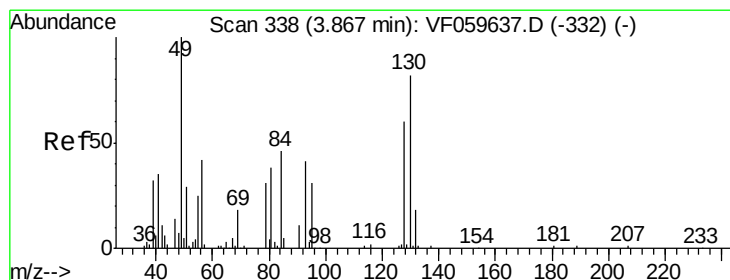
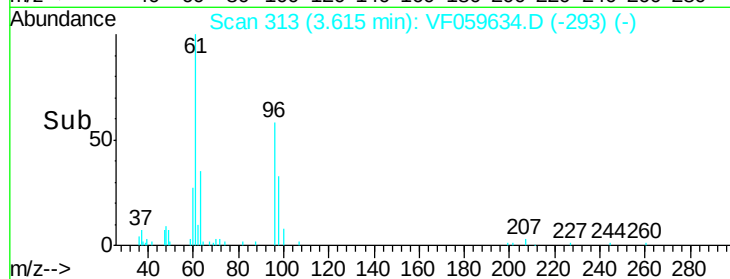
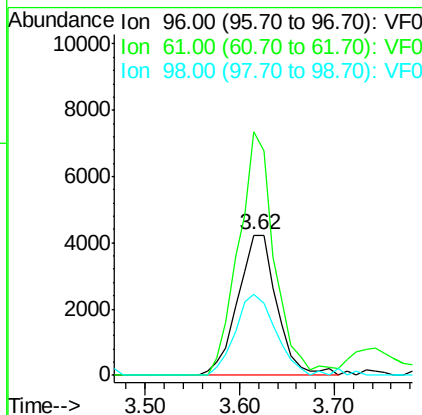
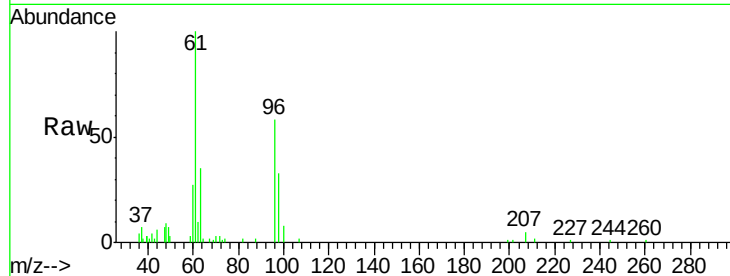
cis-1,2-Dichloroethene
Concen: 6.070 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.01 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	173.2	0.0	337.4
98	57.5	0.0	132.8

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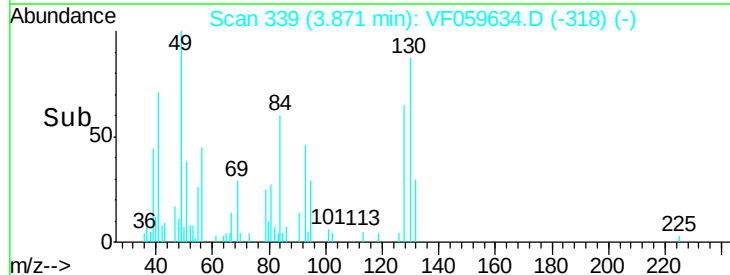
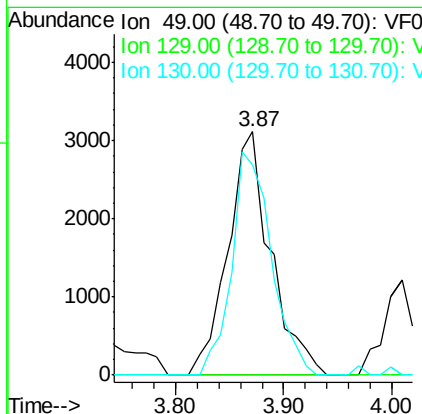
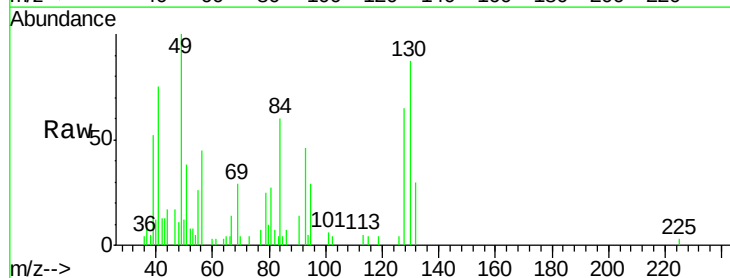
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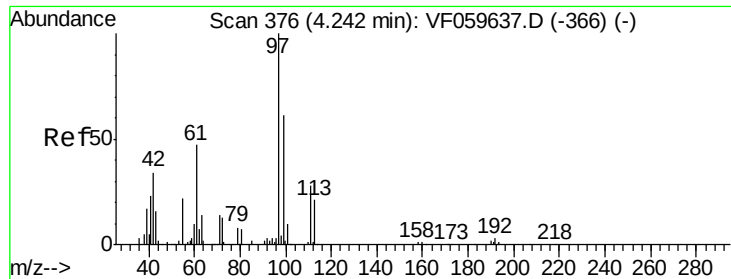


#28

Bromochloromethane
Concen: 5.852 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	86.6	65.0	97.4





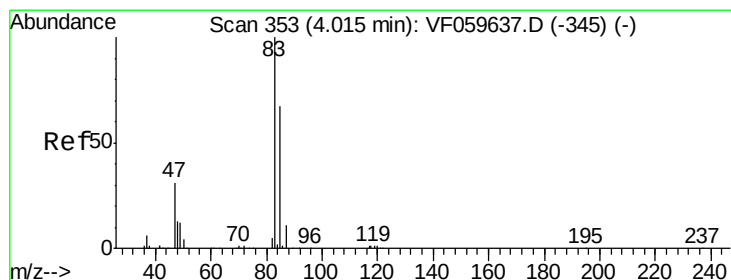
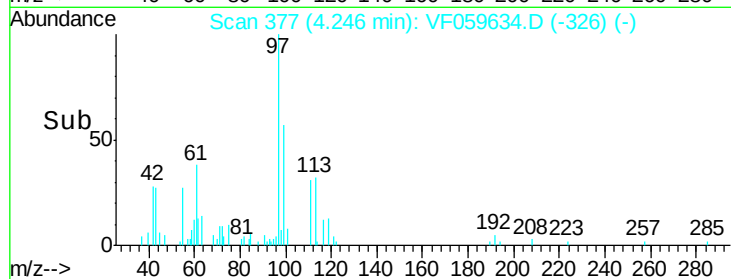
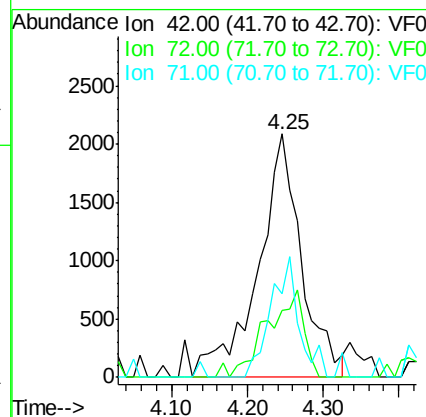
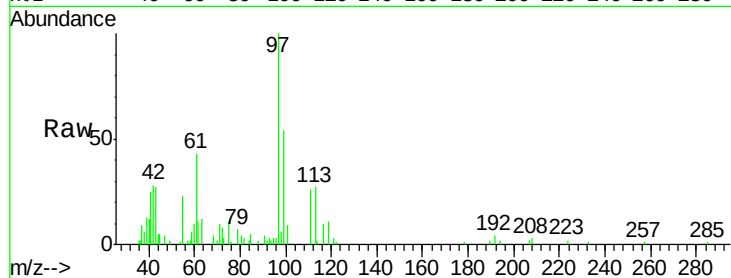
#29
Tetrahydrofuran
Concen: 31.112 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.00 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	31.1	30.0	45.0
71	32.4	28.6	42.8

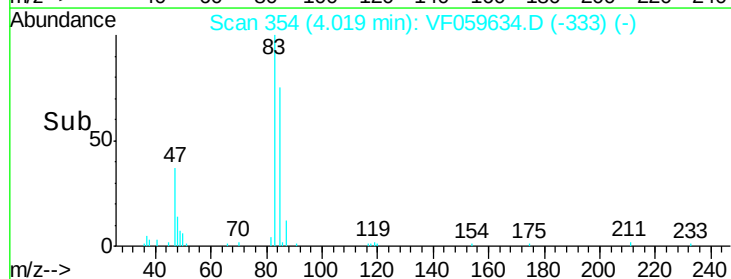
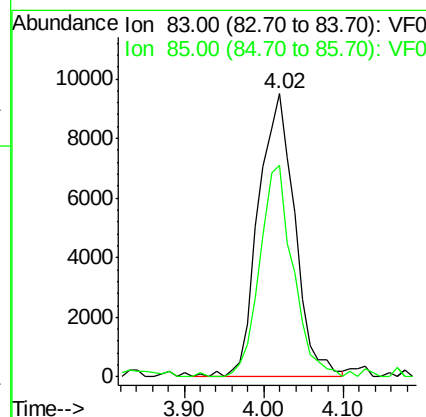
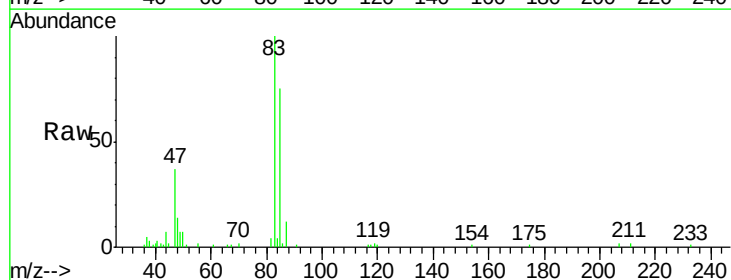
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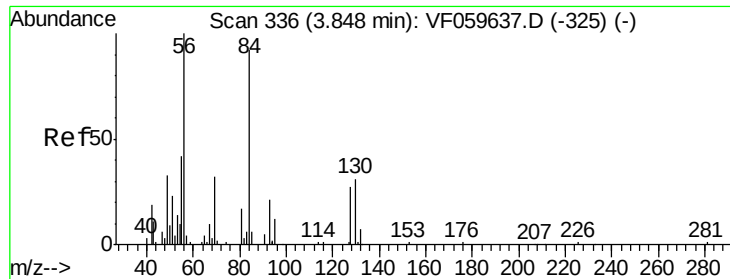
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#30
Chloroform
Concen: 5.454 ug/l
RT: 4.02 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	74.6	53.8	80.8





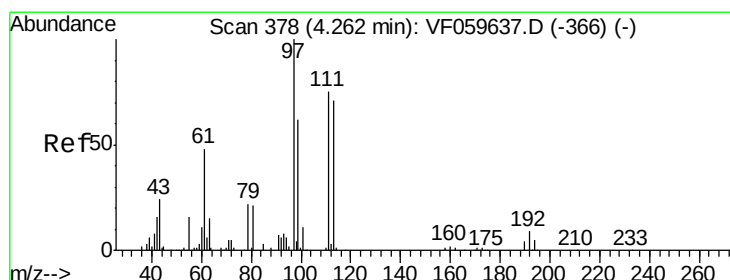
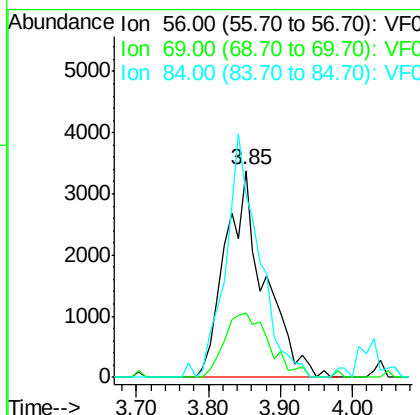
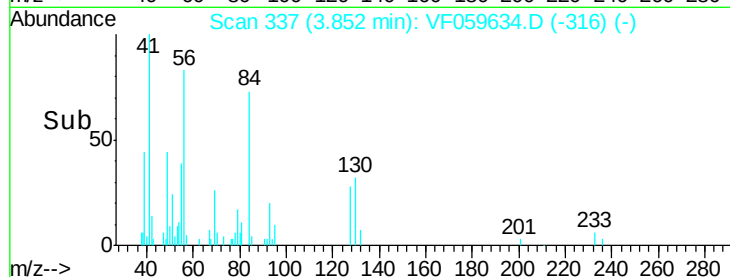
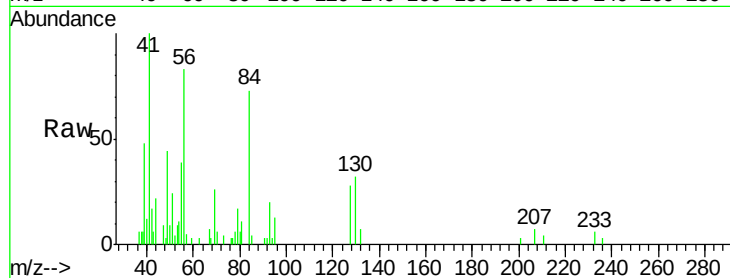
#31
Cyclohexane
Concen: 5.689 ug/l
RT: 3.85 min Scan# 337
Delta R.T. 0.00 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	31.2	26.0	39.0	
84	88.4	73.5	110.3	

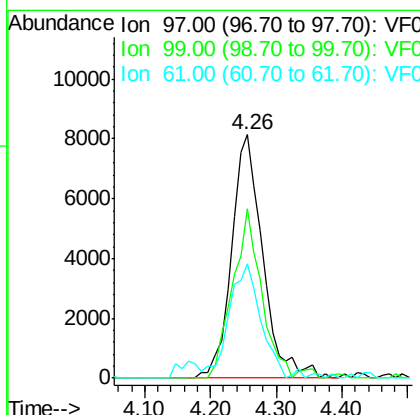
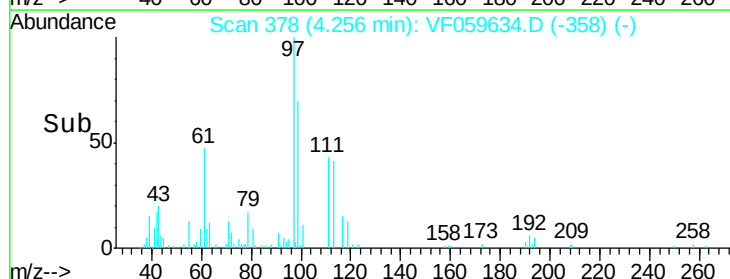
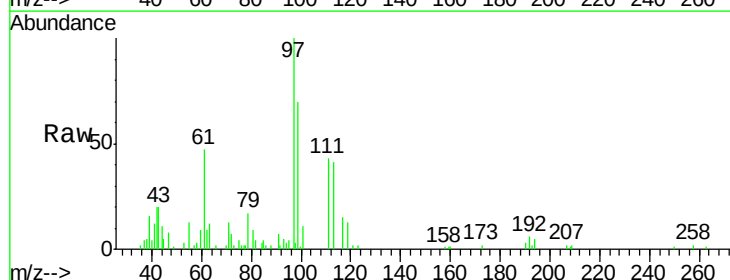
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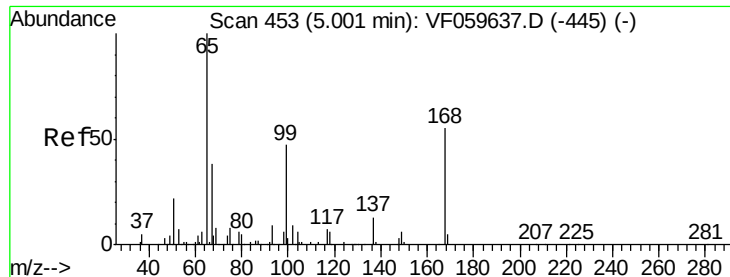
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#32
1,1,1-Trichloroethane
Concen: 5.483 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	70.9	49.8	74.6	
61	47.2	38.9	58.3	





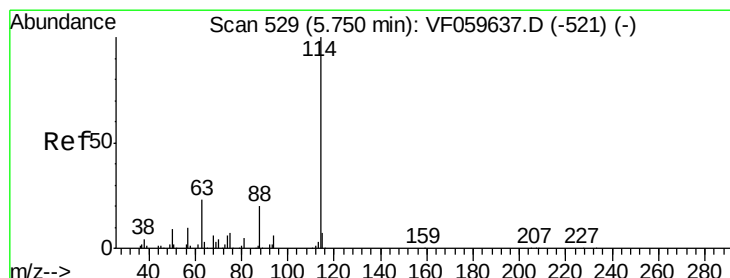
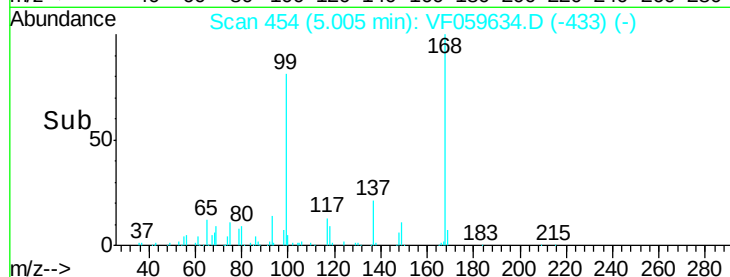
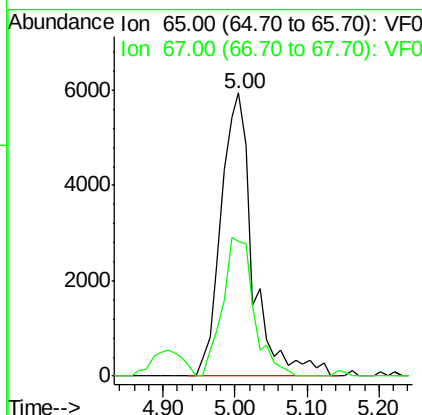
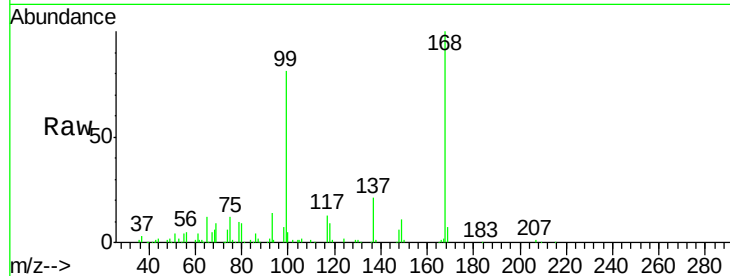
#33
 1,2-Dichloroethane-d4
 Concen: 4.869 ug/l
 RT: 5.00 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: VF059634.D
 Acq: 24 Jul 2018 16:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	18134		
67	47.6	0.0	86.6	

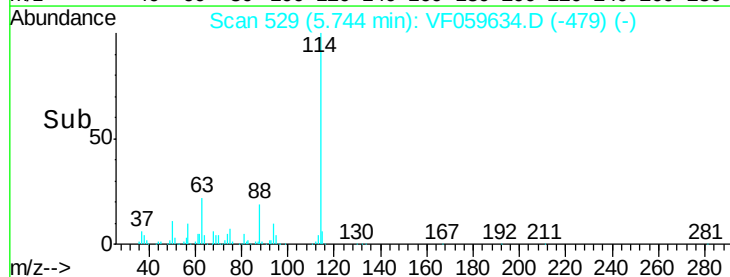
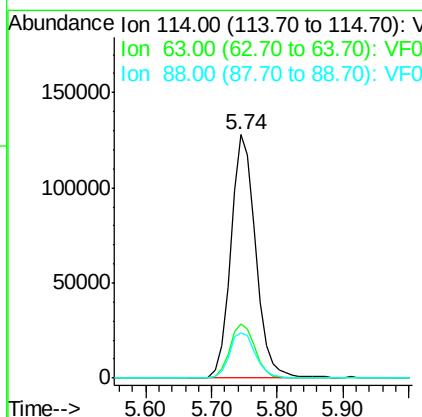
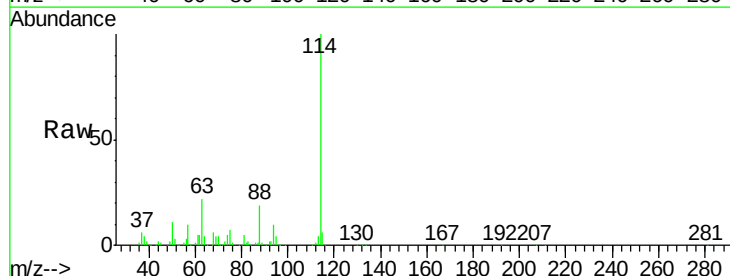
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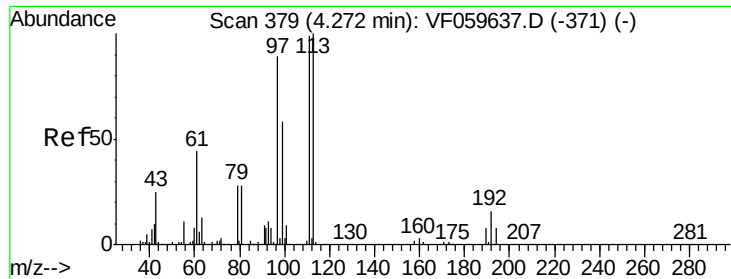
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.74 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF059634.D
 Acq: 24 Jul 2018 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	339180		
63	22.1	0.0	45.6	
88	18.6	0.0	40.8	





#35

Dibromofluoromethane

Concen: 5.158 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

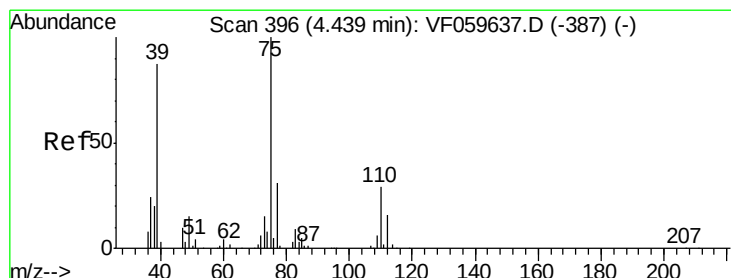
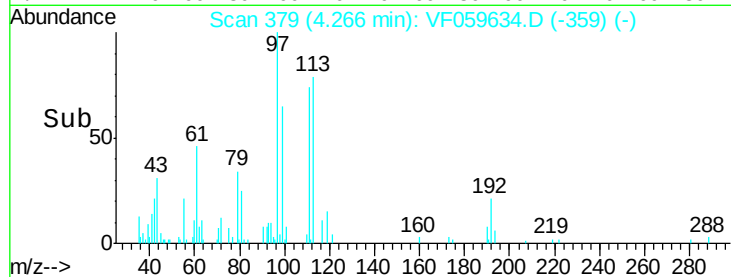
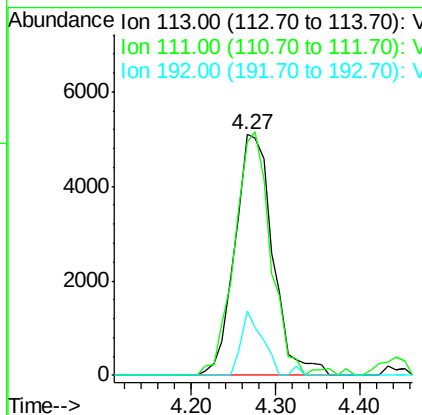
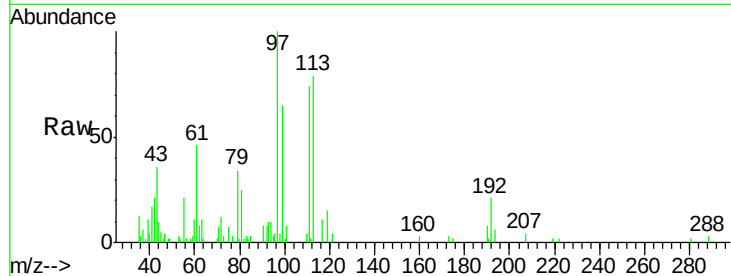
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	97.3	79.3	118.9
192	26.6	13.4	20.2

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#36

1,1-Dichloropropene

Concen: 5.324 ug/l

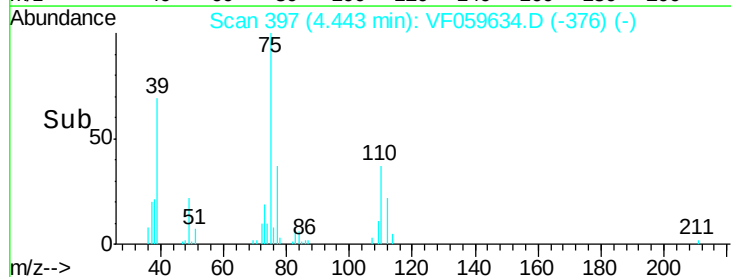
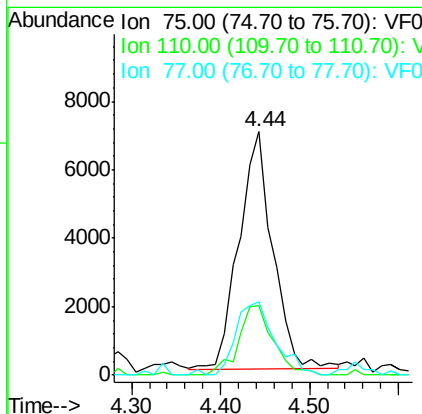
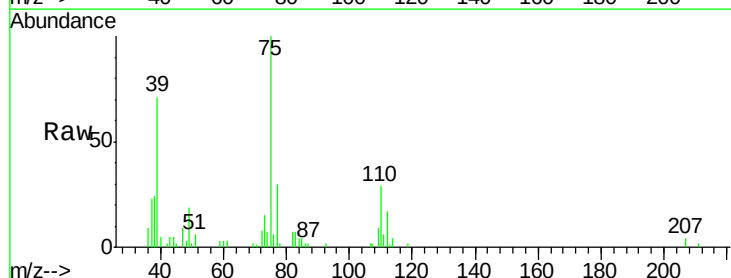
RT: 4.44 min Scan# 397

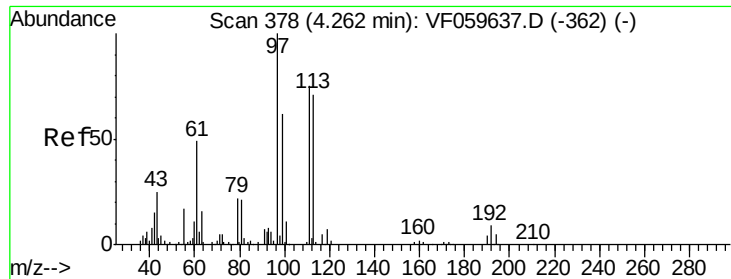
Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.5	14.6	43.8
77	30.0	24.4	36.6





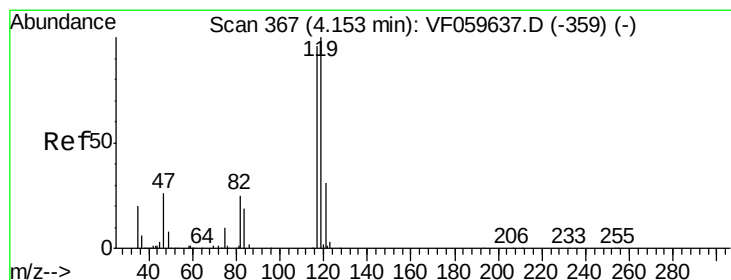
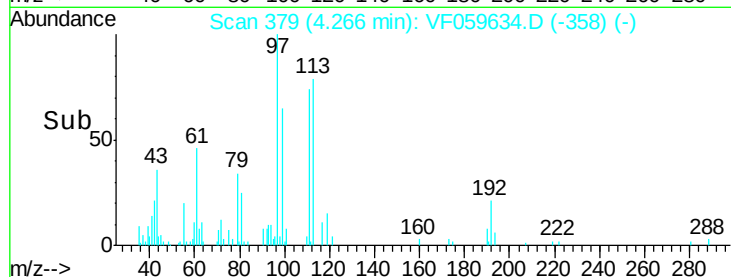
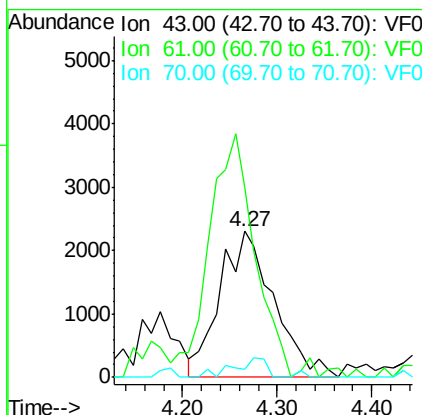
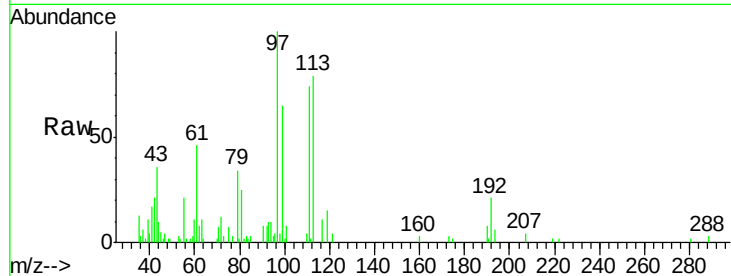
#37
Ethyl Acetate
Concen: 6.800 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	43	61	70
Resp:	9127		
Ratio	100	130.3	5.2
Lower		156.6	7.3
Upper		234.8#	10.9#

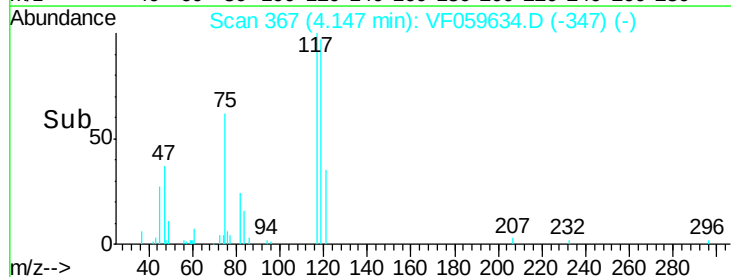
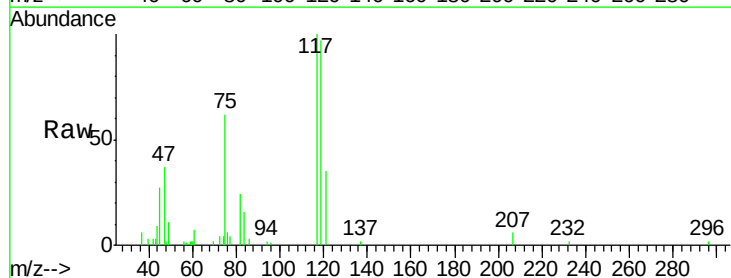
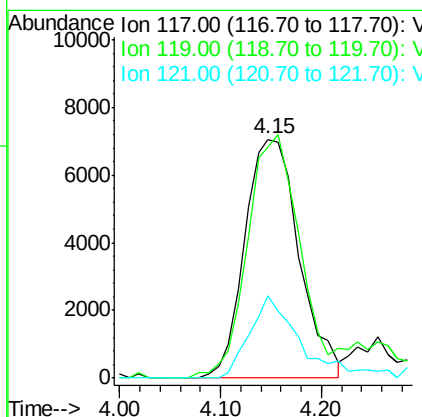
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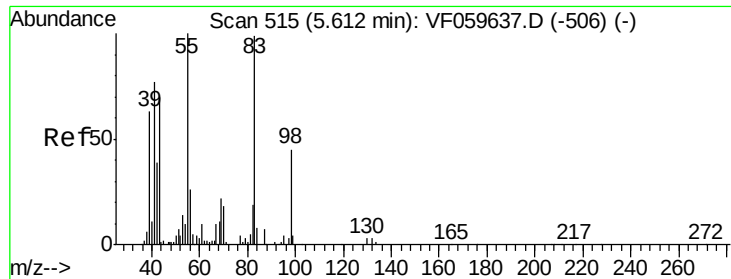
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#38
Carbon Tetrachloride
Concen: 5.122 ug/l
RT: 4.15 min Scan# 367
Delta R.T. -0.01 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Tgt Ion	117	119	121
Resp:	26442		
Ratio	100	96.9	34.5
Lower		83.0	26.2
Upper		124.6	39.4





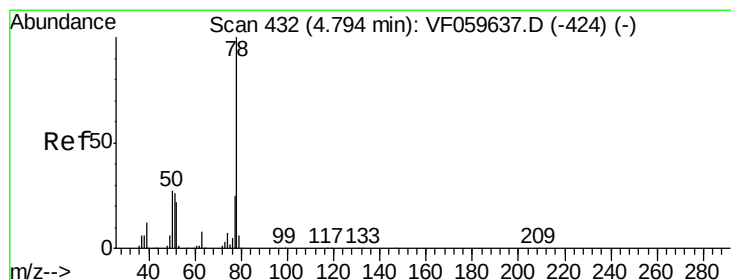
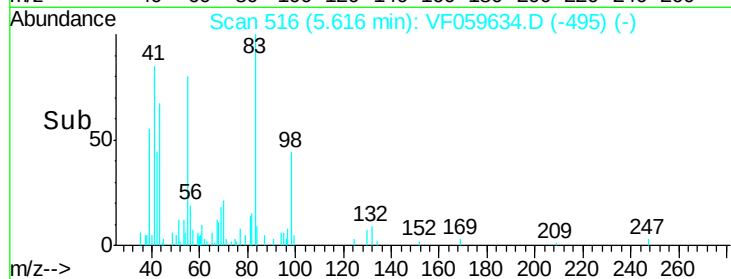
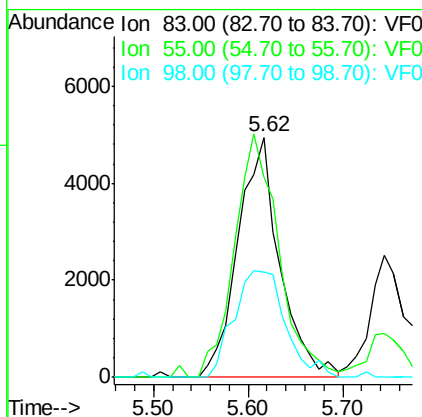
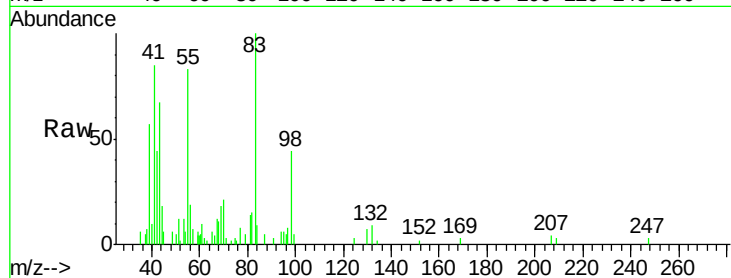
#39
Methylvlcyclohexane
Concen: 5.512 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.3	81.5	122.3
98	44.2	36.7	55.1

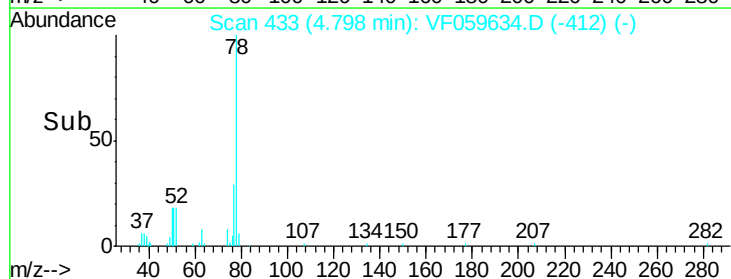
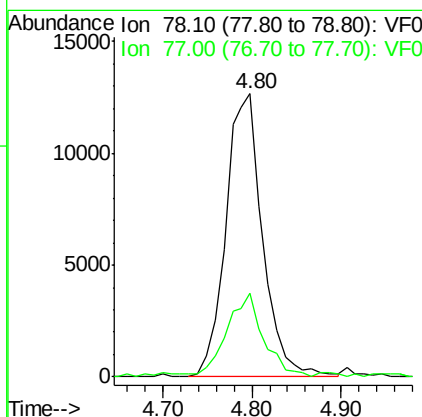
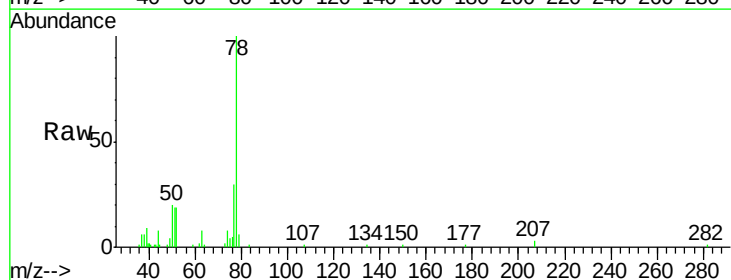
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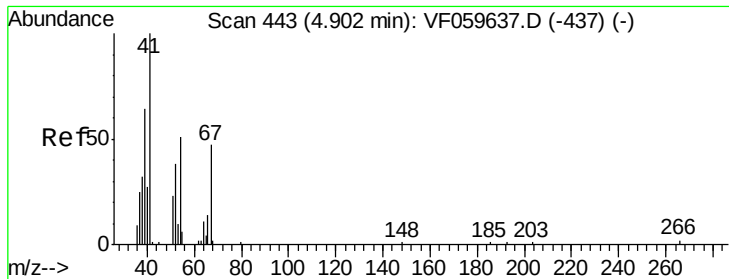
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#40
Benzene
Concen: 5.862 ug/l
RT: 4.80 min Scan# 433
Delta R.T. 0.00 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	29.5	19.8	29.6





#41

Methacrylonitrile

Concen: 5.150 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

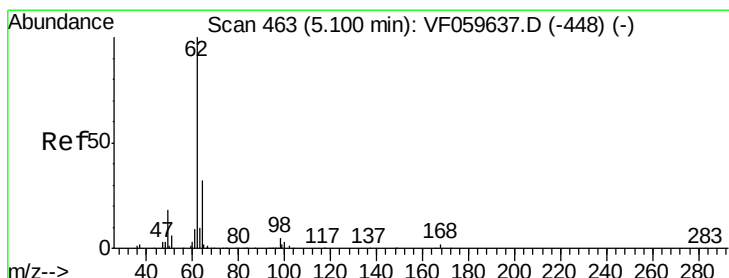
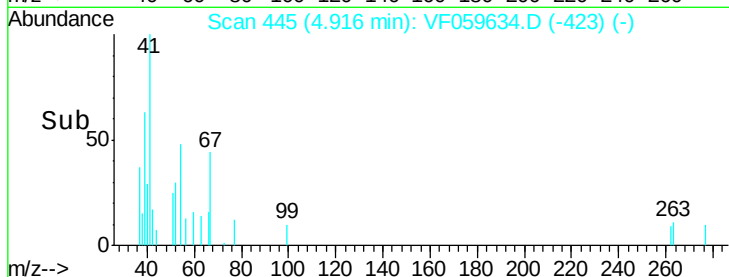
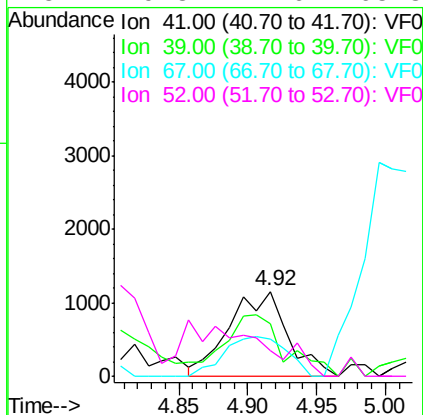
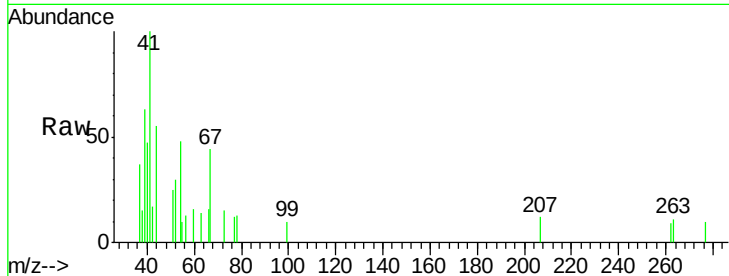
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.8	56.9	85.3
67	43.8	36.6	54.8
52	29.8	42.6	63.8#

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#42

1,2-Dichloroethane

Concen: 5.114 ug/l

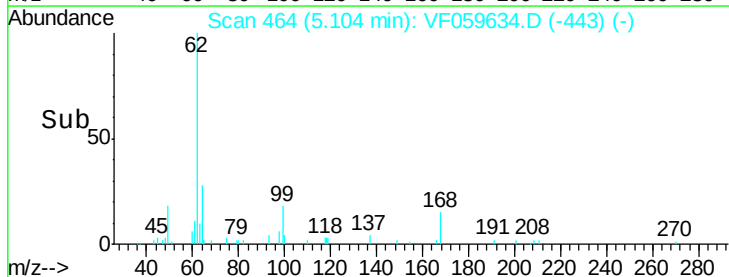
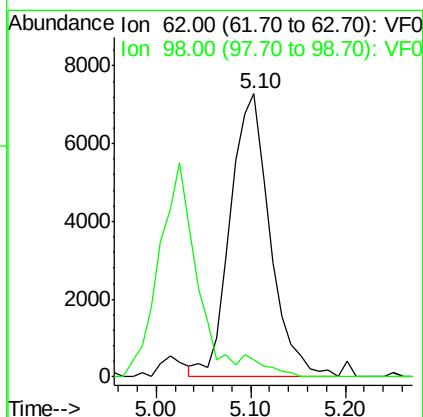
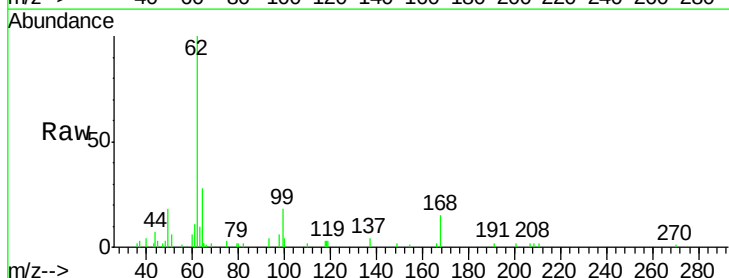
RT: 5.10 min Scan# 464

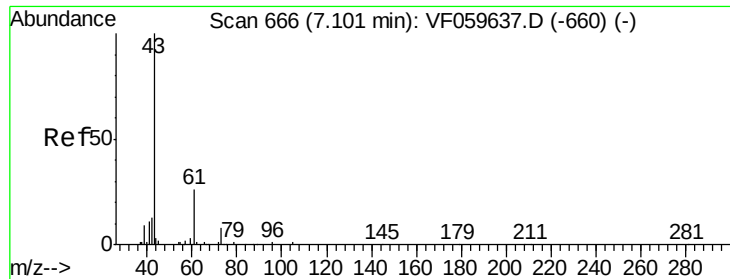
Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.2	0.0	10.6





#43

Isopropyl Acetate

Concen: 5.408 ug/l

RT: 7.10 min Scan# 667

Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

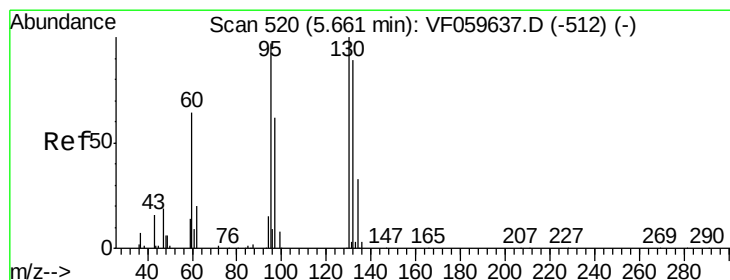
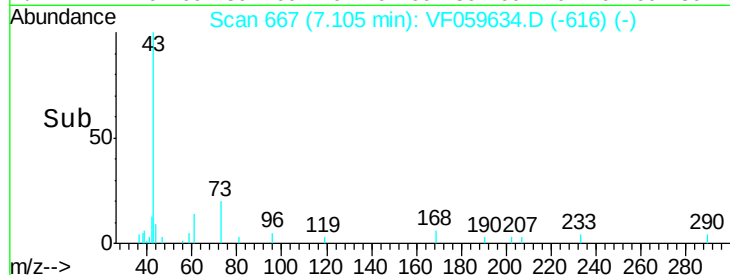
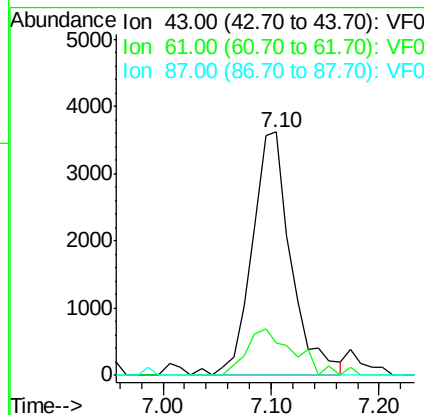
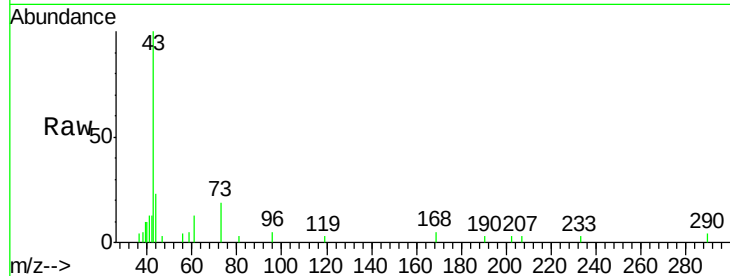
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	9040
Ion	Ratio	Lower	Upper
43	100		
61	13.4	20.5	30.7#
87	0.0	0.4	0.6#

Manual Integrations
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#44

Trichloroethene

Concen: 5.374 ug/l

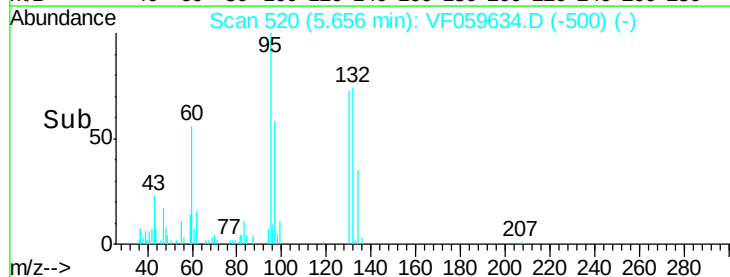
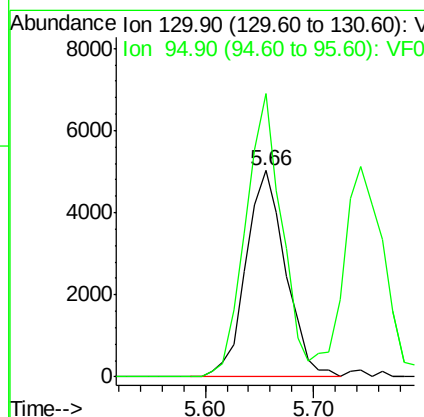
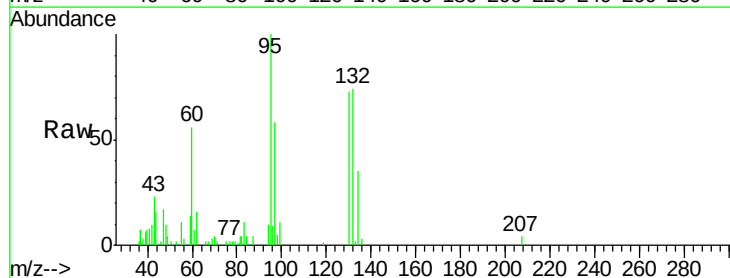
RT: 5.66 min Scan# 520

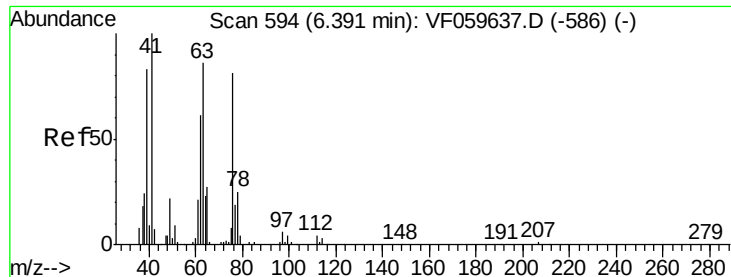
Delta R.T. -0.01 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Tgt Ion:	130	Resp:	12786
Ion	Ratio	Lower	Upper
130	100		
95	137.1	0.0	193.4





#45

1,2-Dichloropropane

Concen: 4.973 ug/l

RT: 6.38 min Scan# 594

Delta R.T. -0.01 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 8291

Ion Ratio Lower Upper

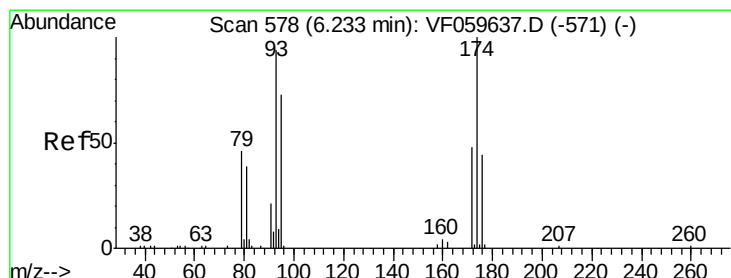
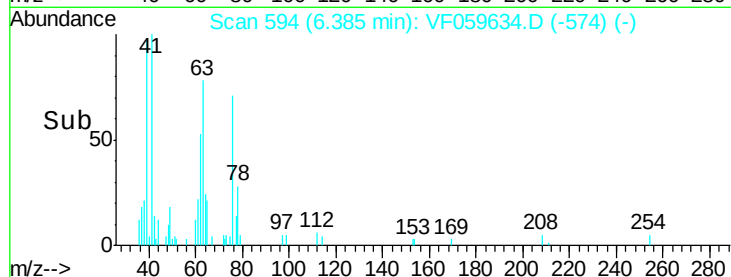
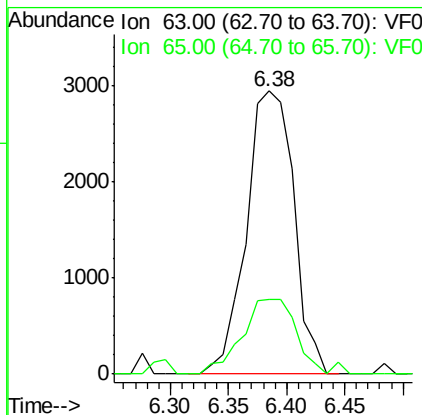
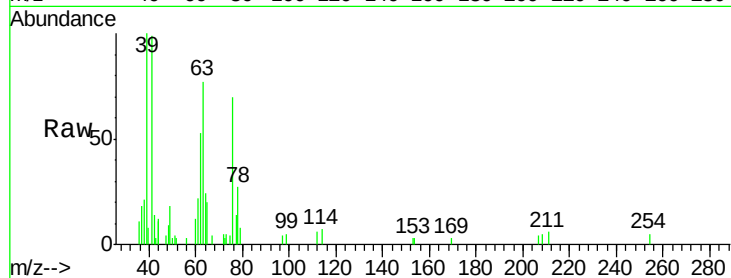
63 100

65 26.4 25.1 37.7

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#46

Dibromomethane

Concen: 5.435 ug/l

RT: 6.24 min Scan# 579

Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

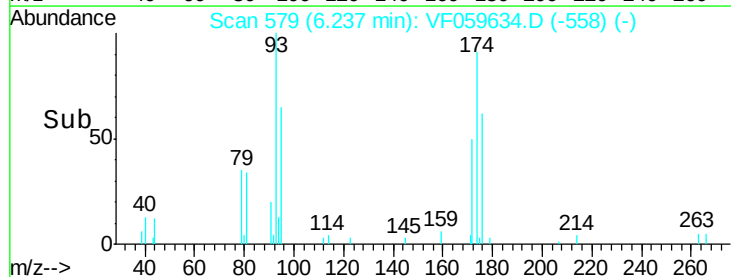
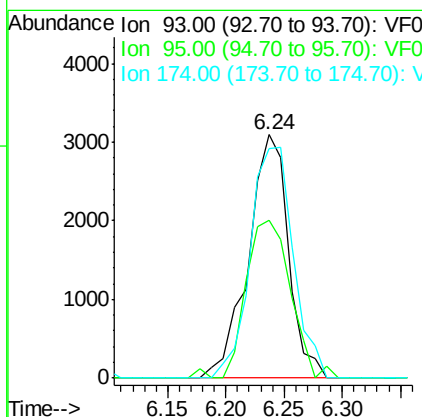
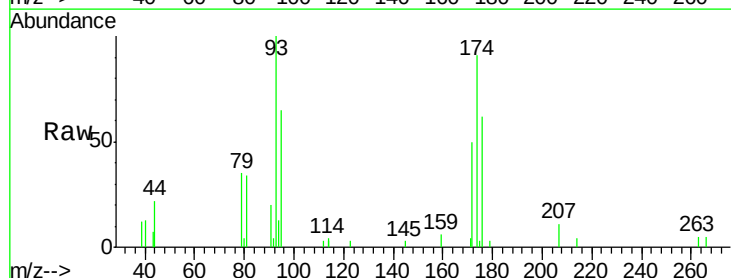
Tgt Ion: 93 Resp: 7367

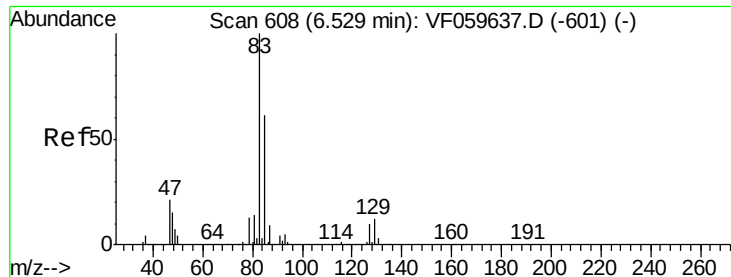
Ion Ratio Lower Upper

93 100

95 64.8 63.1 94.7

174 94.4 85.3 127.9





#47

Bromodichloromethane

Concen: 5.392 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

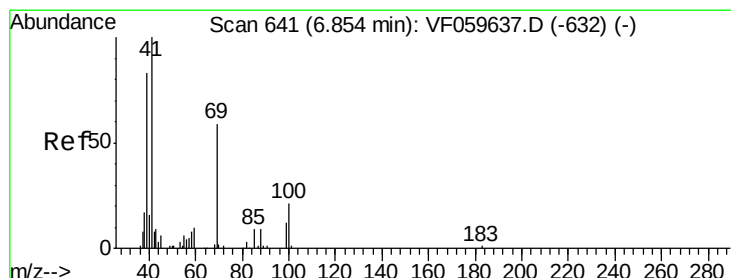
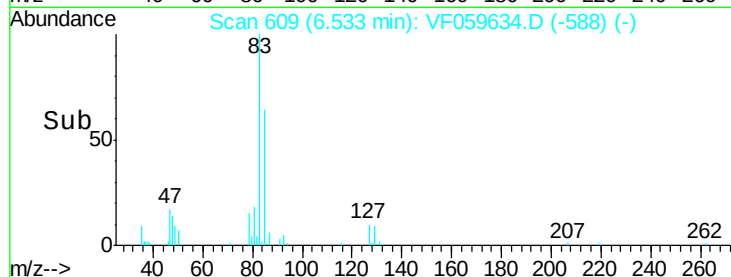
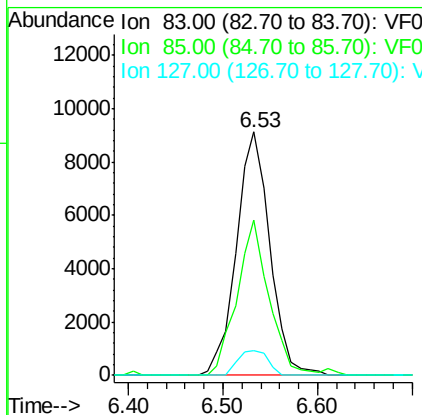
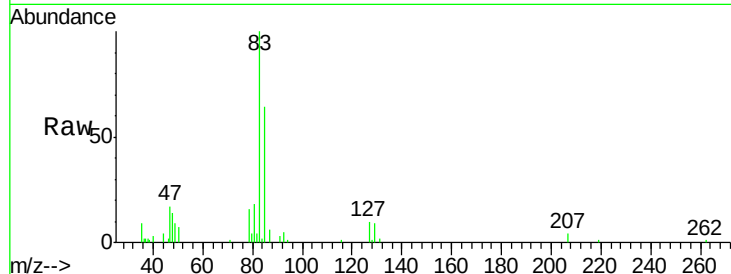
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	22381
Ion	Ratio	Lower	Upper
83	100		
85	63.6	48.6	72.8
127	10.2	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.279 ug/l

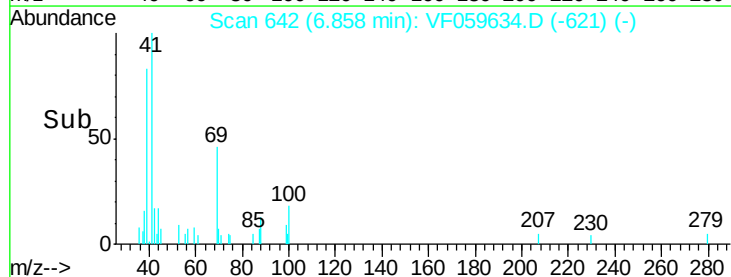
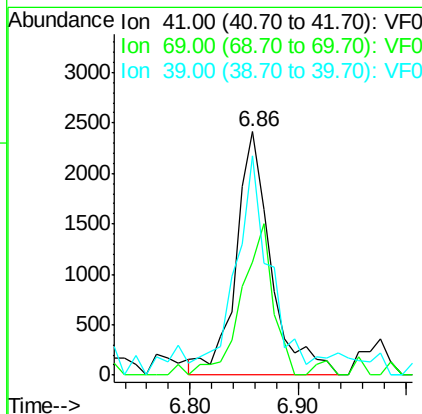
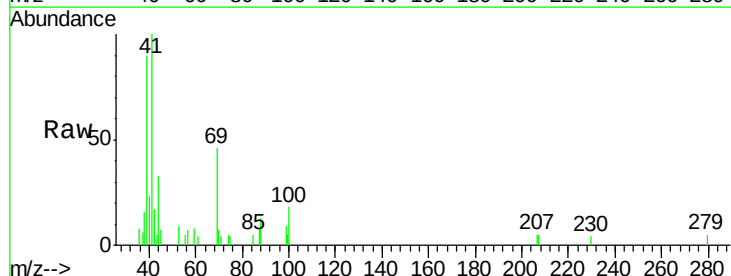
RT: 6.86 min Scan# 642

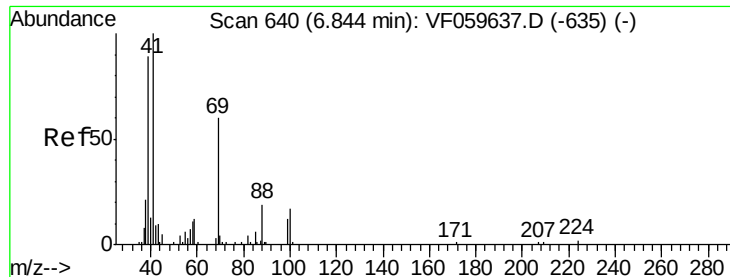
Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Tgt Ion:	41	Resp:	5445
Ion	Ratio	Lower	Upper
41	100		
69	46.3	47.5	71.3#
39	90.0	67.0	100.6





#49

1,4-Dioxane

Concen: 103.287 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.01 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

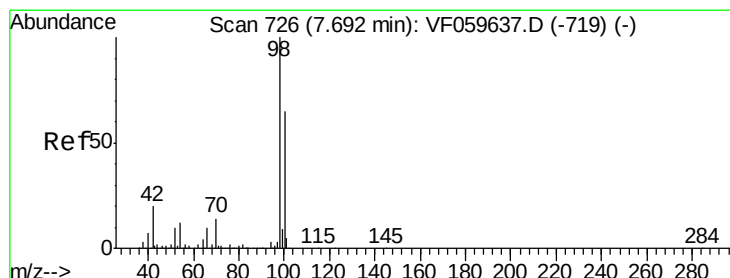
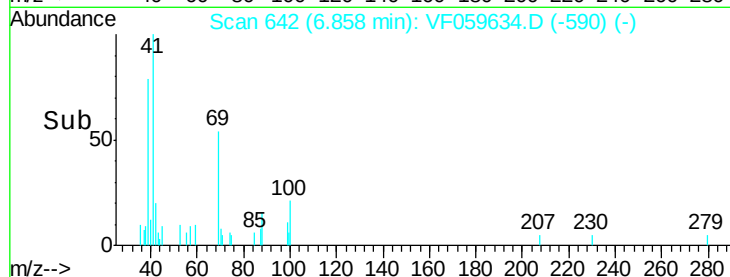
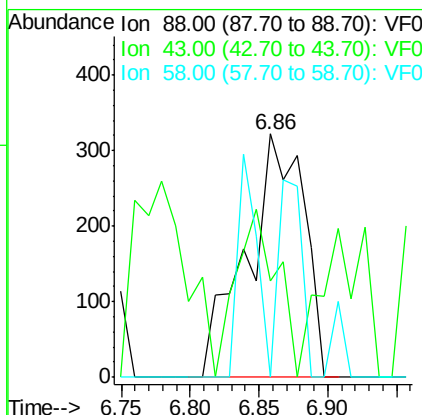
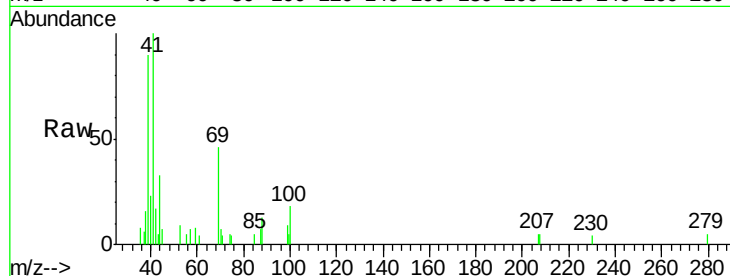
ClientSampleId :

VSTDIC005

Tot Ion:	88	Resp:	924
Ion	Ratio	Lower	Upper
88	100		
43	39.4	45.3	67.9#
58	0.0	47.7	71.5#

Manual Integrations
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#50

Toluene-d8

Concen: 4.839 ug/l

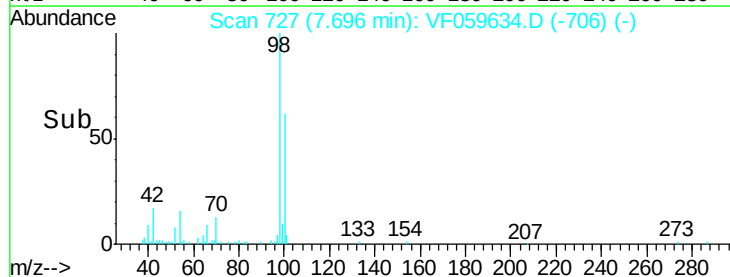
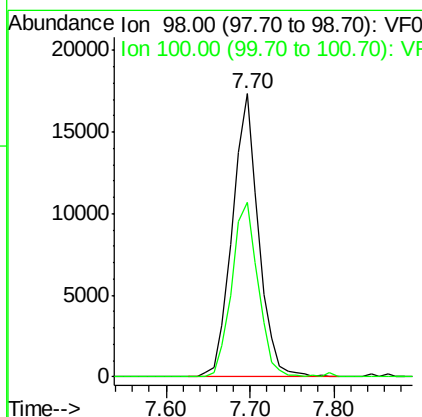
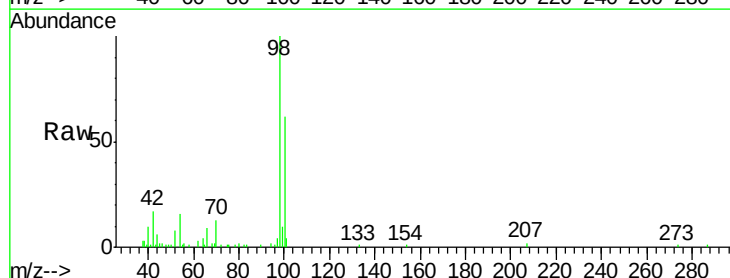
RT: 7.70 min Scan# 727

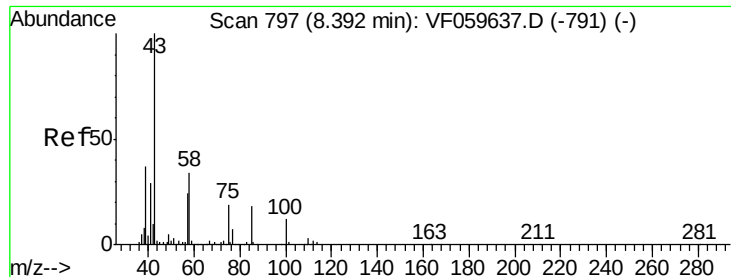
Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Tgt Ion:	98	Resp:	37590
Ion	Ratio	Lower	Upper
98	100		
100	61.8	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 25.097 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 31381

Ion Ratio Lower Upper

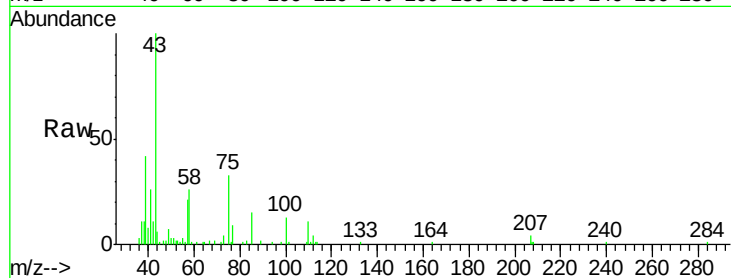
43 100

58 26.4 27.3 40.9#

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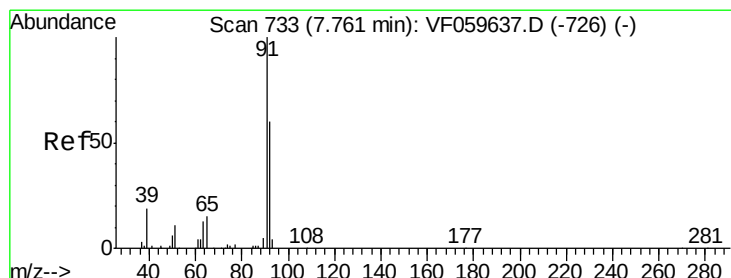
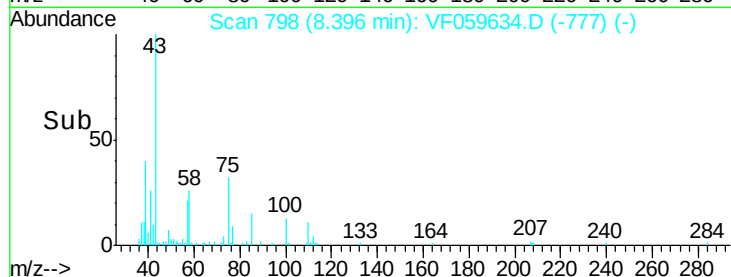
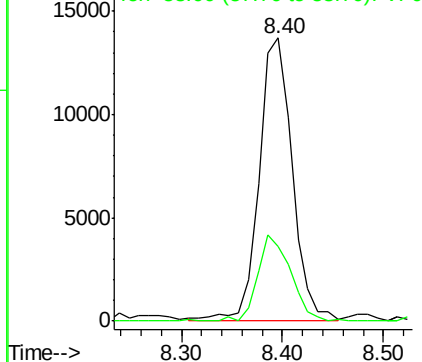
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 6.009 ug/l

RT: 7.76 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059634.D

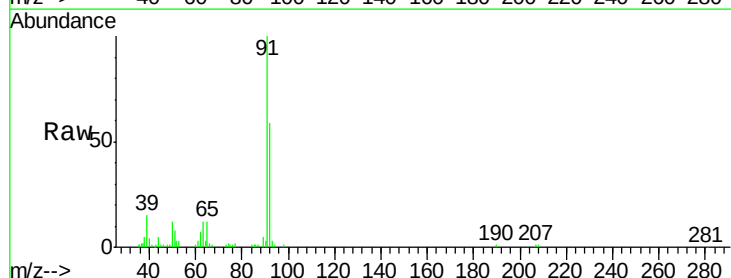
Acq: 24 Jul 2018 16:07

Tgt Ion: 92 Resp: 28339

Ion Ratio Lower Upper

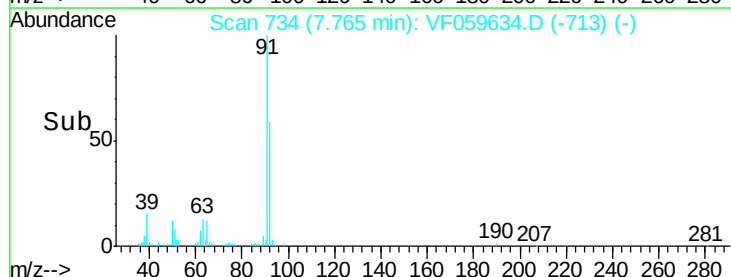
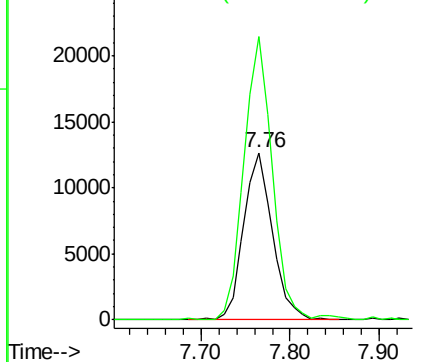
92 100

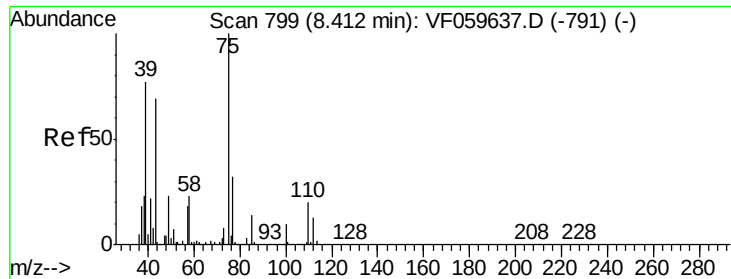
91 169.5 134.2 201.4



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: 5.188 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 18022

Ion Ratio Lower Upper

75 100

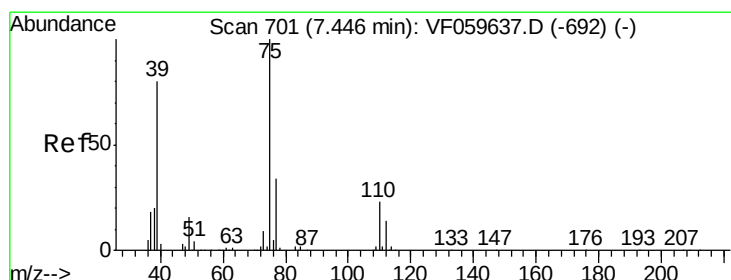
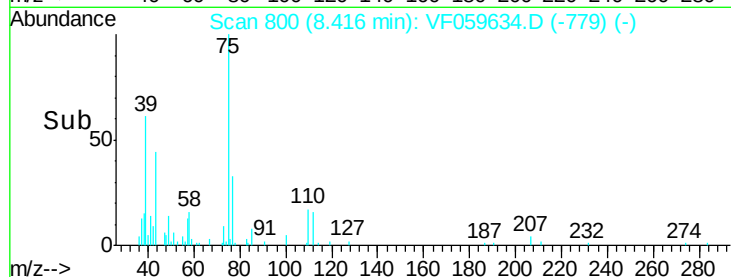
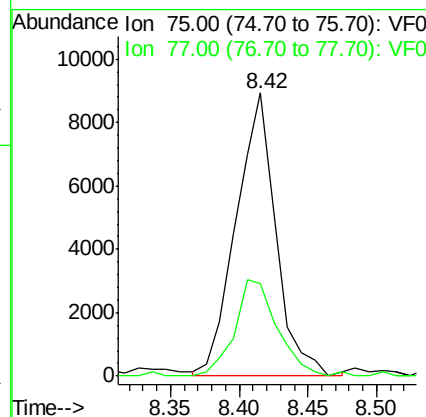
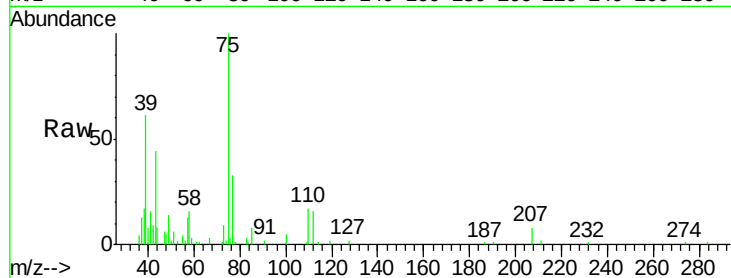
77 32.8 25.2 37.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 5.382 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

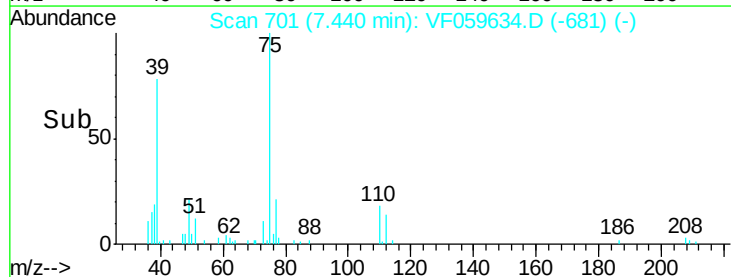
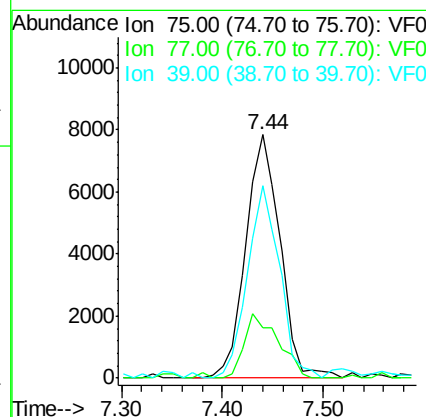
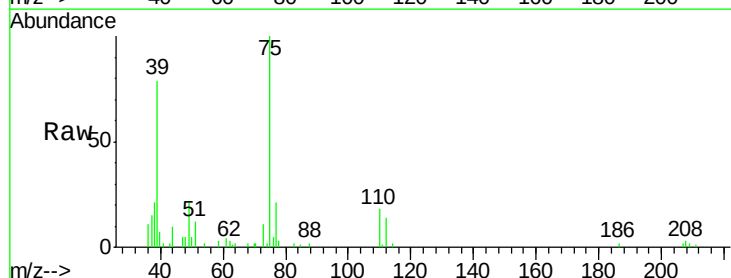
Tgt Ion: 75 Resp: 18627

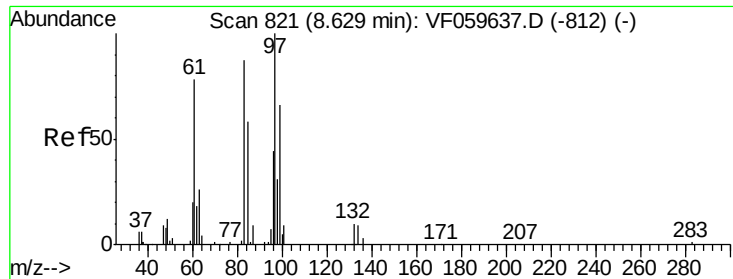
Ion Ratio Lower Upper

75 100

77 20.8 27.5 41.3#

39 79.0 64.4 96.6





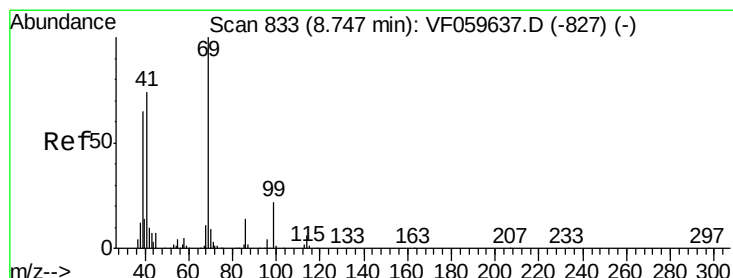
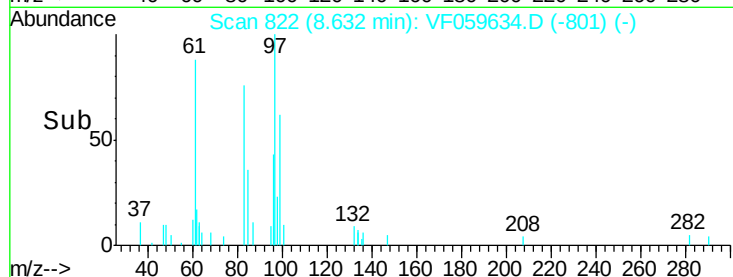
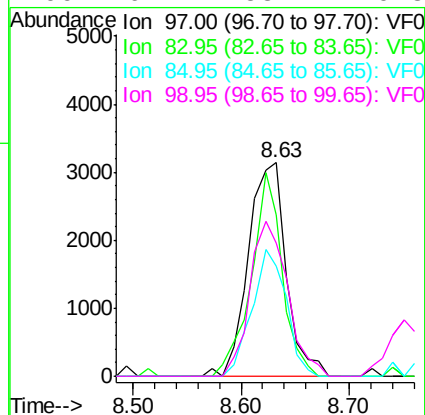
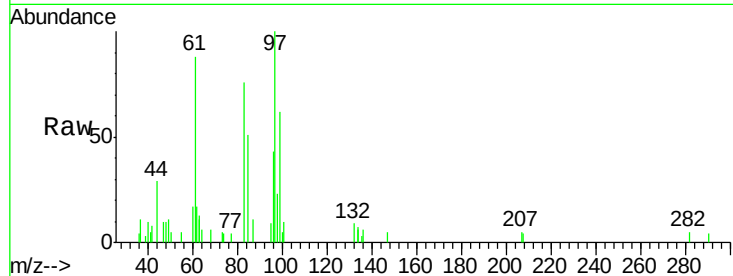
#55
 1,1,2-Trichloroethane
 Concen: 4.919 ug/l
 RT: 8.63 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: VF059634.D
 Acq: 24 Jul 2018 16:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	7695
Ion	Ratio	Lower	Upper
97	100		
83	75.7	69.5	104.3
85	51.4	46.0	69.0
99	62.1	53.2	79.8

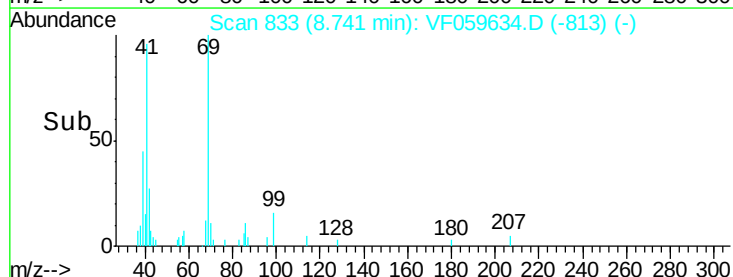
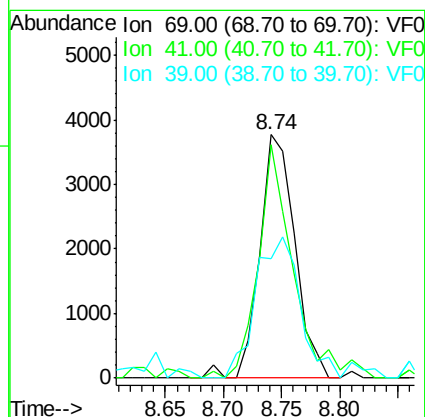
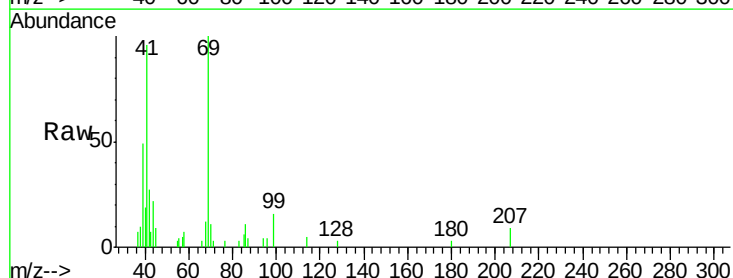
Manual Integrations
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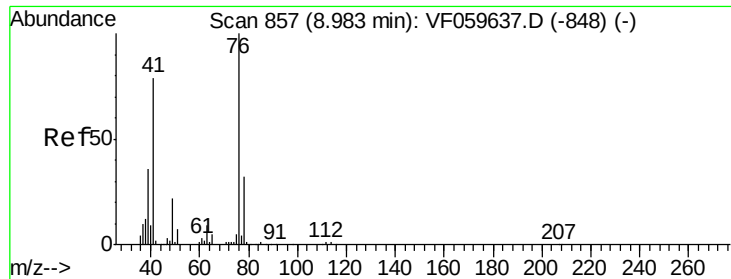
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#56
 Ethyl methacrylate
 Concen: 4.548 ug/l
 RT: 8.74 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: VF059634.D
 Acq: 24 Jul 2018 16:07

Tgt Ion:	69	Resp:	7887
Ion	Ratio	Lower	Upper
69	100		
41	95.8	59.1	88.7#
39	48.8	52.4	78.6#





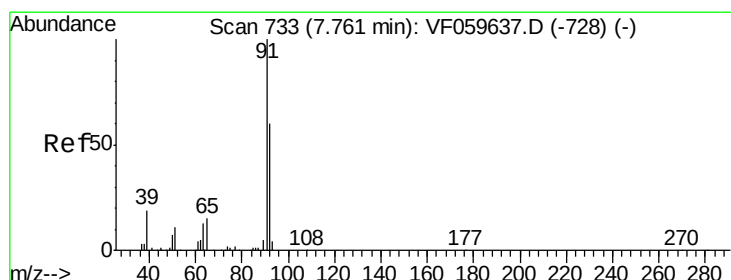
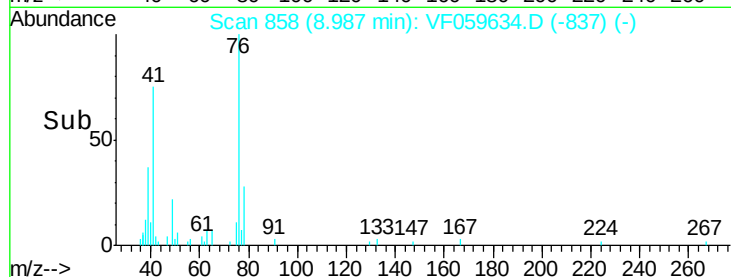
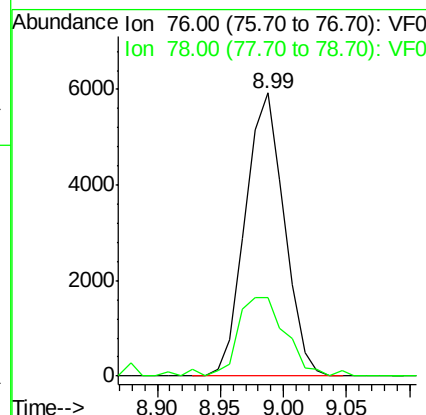
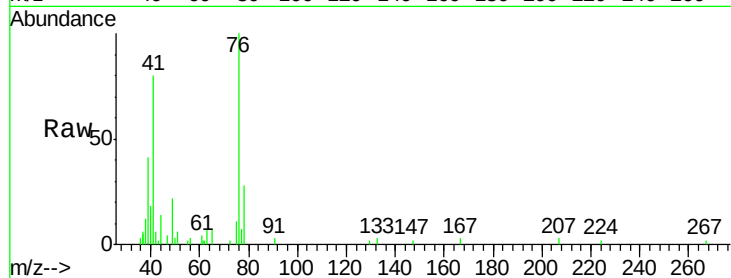
#57
 1,3-Dichloropropane
 Concen: 4.659 ug/l
 RT: 8.99 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VF059634.D
 Acq: 24 Jul 2018 16:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	27.6	25.5	38.3

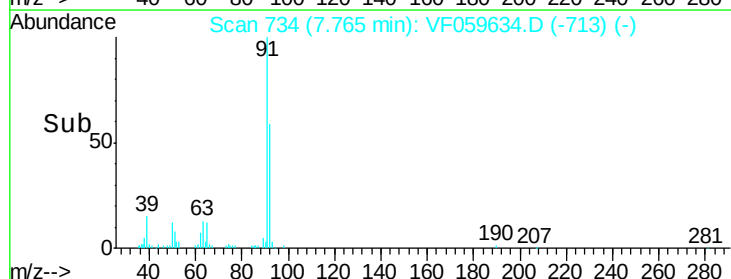
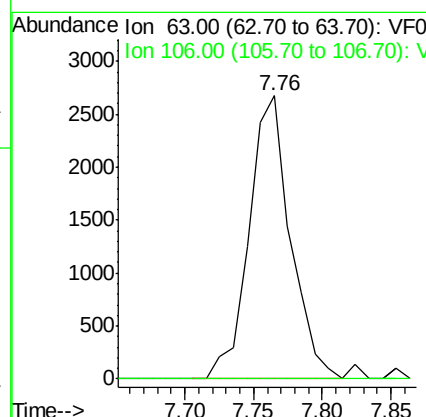
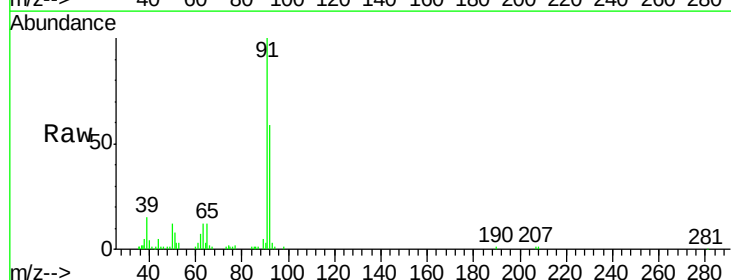
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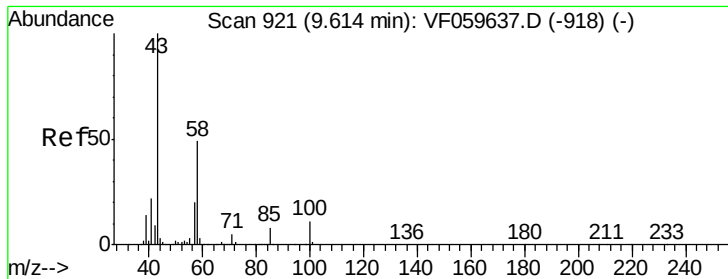
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#58
 2-Chloroethyl Vinyl ether
 Concen: 27.146 ug/l
 RT: 7.76 min Scan# 734
 Delta R.T. 0.00 min
 Lab File: VF059634.D
 Acq: 24 Jul 2018 16:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





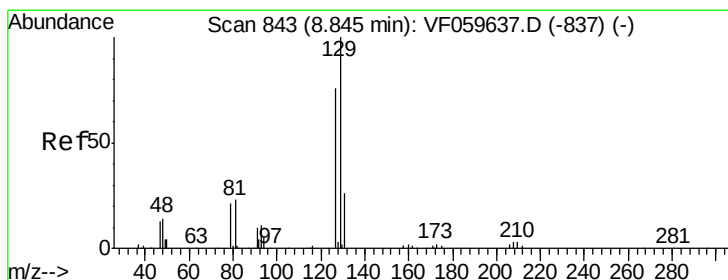
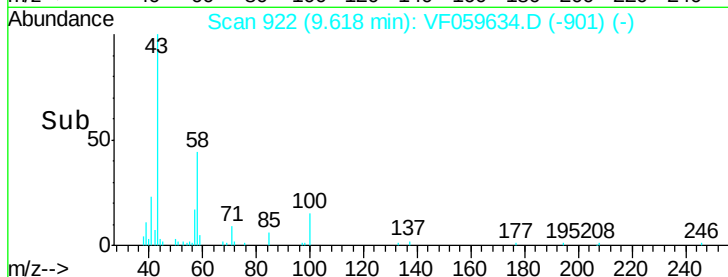
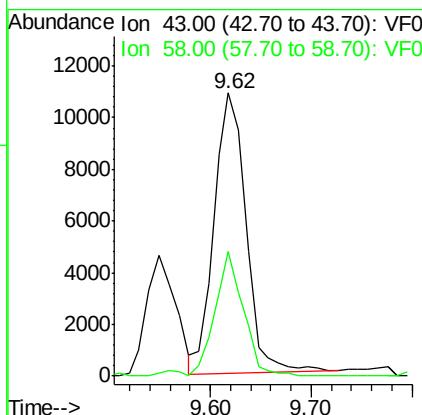
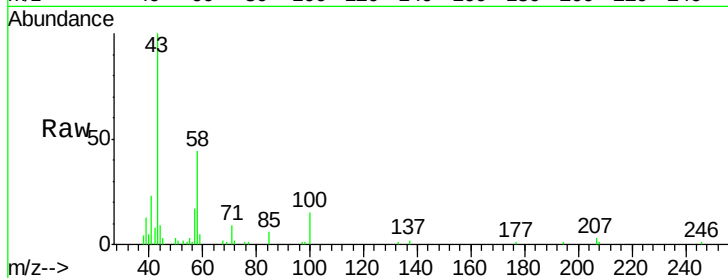
#59
2-Hexanone
Concen: 24.048 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 23889
Ion Ratio Lower Upper
43 100
58 44.0 23.6 71.0

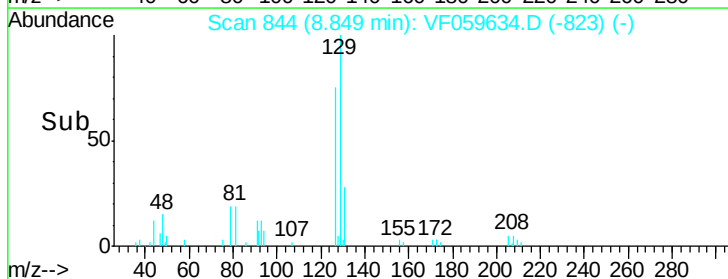
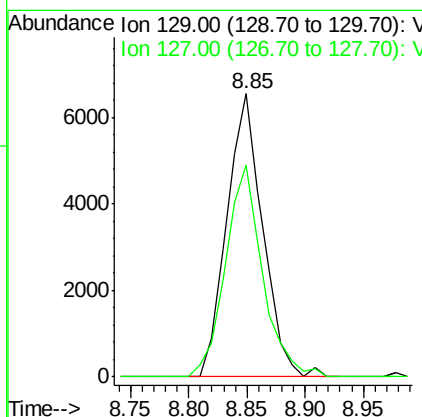
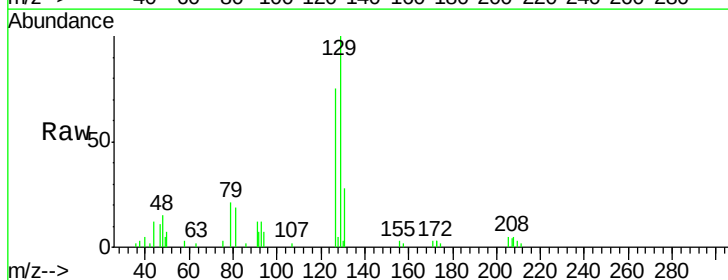
Manual Integrations
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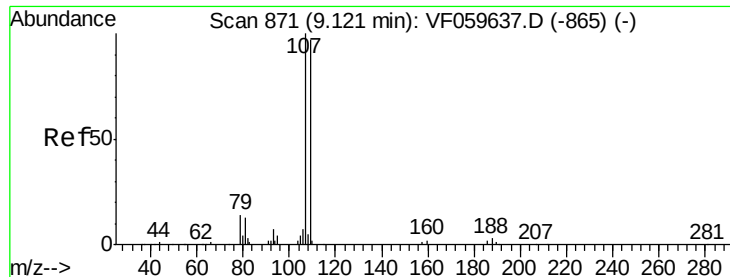
apatel
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#60
Dibromochloromethane
Concen: 4.960 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.00 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Tgt Ion: 129 Resp: 13933
Ion Ratio Lower Upper
129 100
127 74.6 38.1 114.5





#61

1,2-Dibromoethane

Concen: 5.546 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 9986

Ion Ratio Lower Upper

107 100

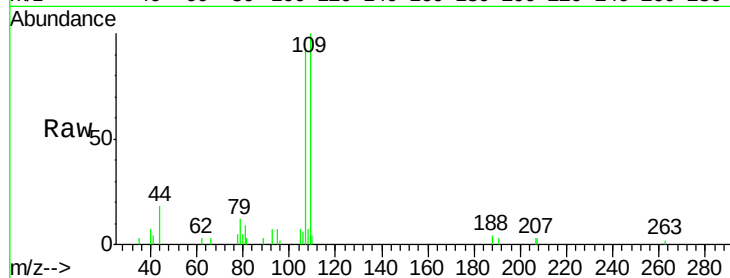
109 108.0 77.3 115.9

Manual Integrations

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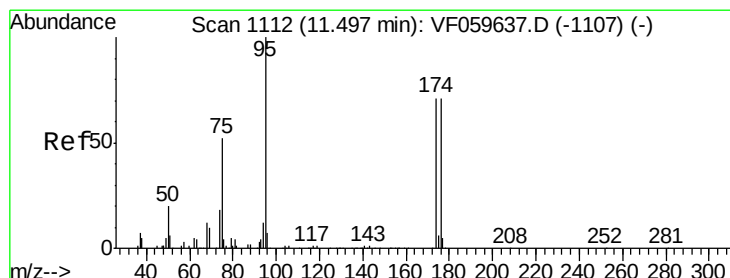
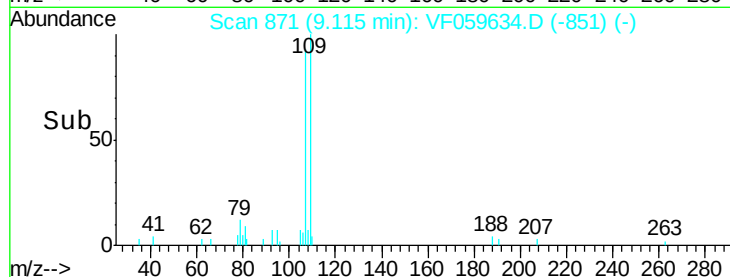
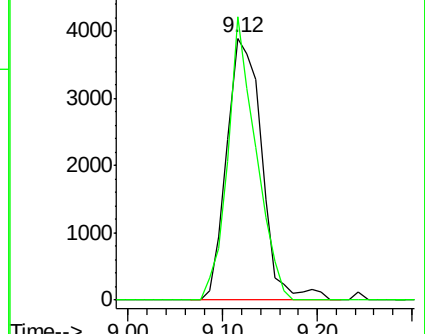
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 4.406 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

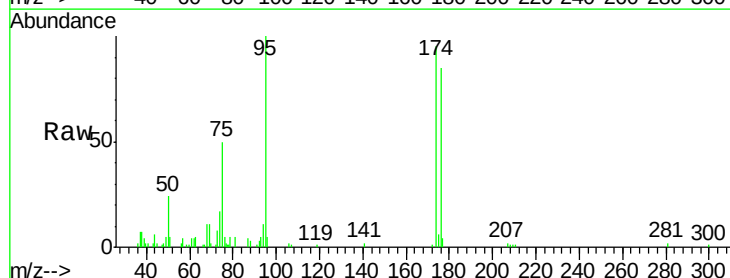
Tgt Ion: 95 Resp: 19503

Ion Ratio Lower Upper

95 100

174 95.1 0.0 141.8

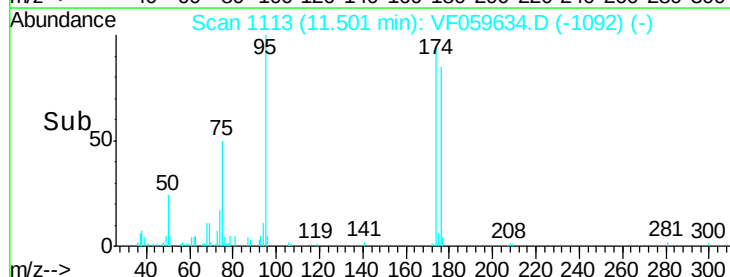
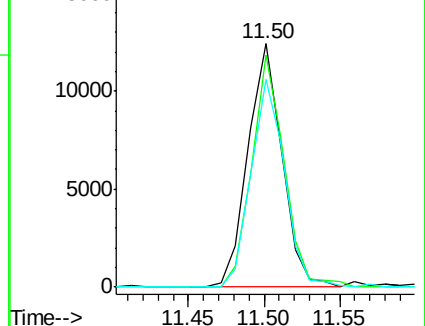
176 85.2 0.0 142.0

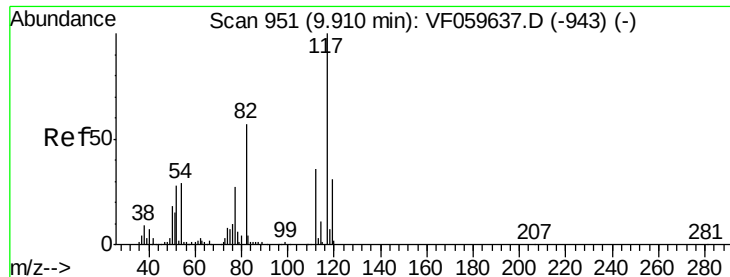


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 951

Delta R.T. -0.01 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

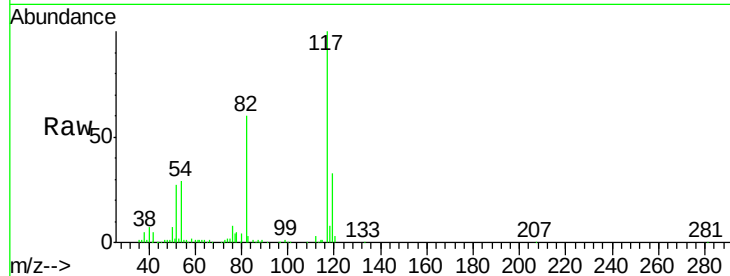
ClientSampleId :

VSTDIC005

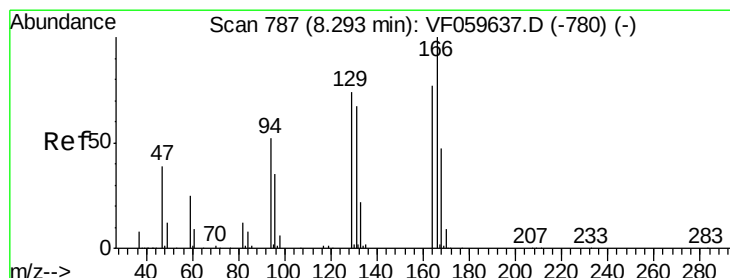
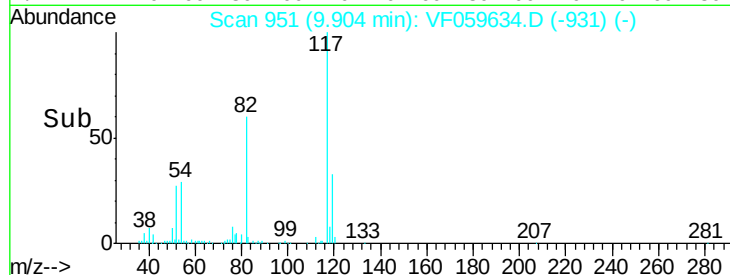
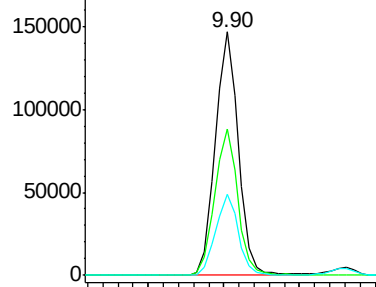
Tot Ion:	117	Resp:	309546
Ion Ratio	Lower	Upper	
117	100		
82	60.3	45.9	68.9
119	33.2	25.1	37.7

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 6.503 ug/l

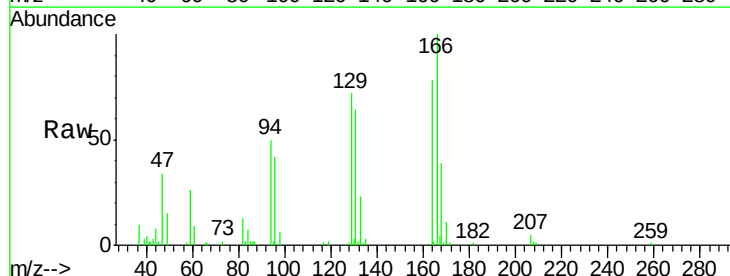
RT: 8.29 min Scan# 787

Delta R.T. -0.01 min

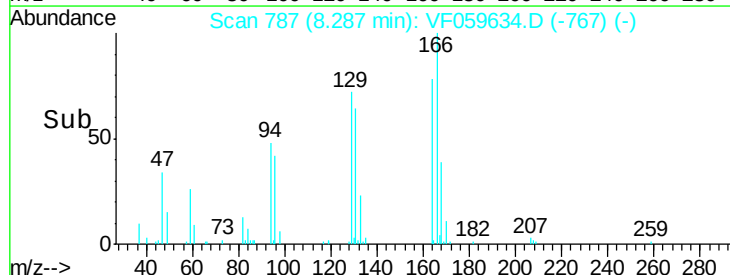
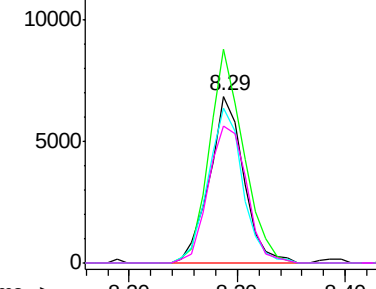
Lab File: VF059634.D

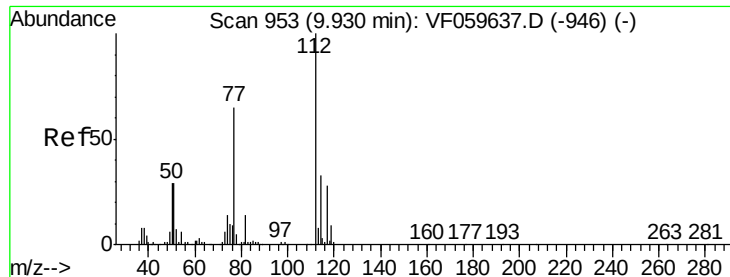
Acq: 24 Jul 2018 16:07

Tgt Ion:	164	Resp:	15072
Ion Ratio	Lower	Upper	
164	100		
166	125.4	103.3	154.9
129	90.7	76.2	114.2
131	80.8	69.1	103.7



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





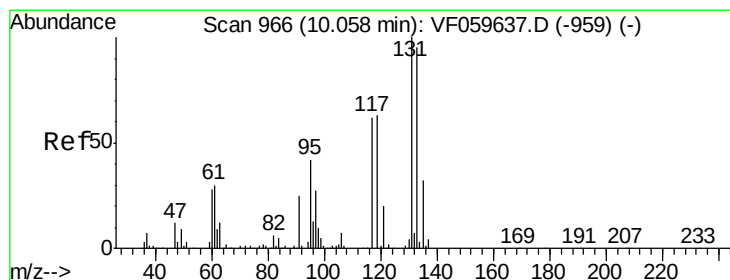
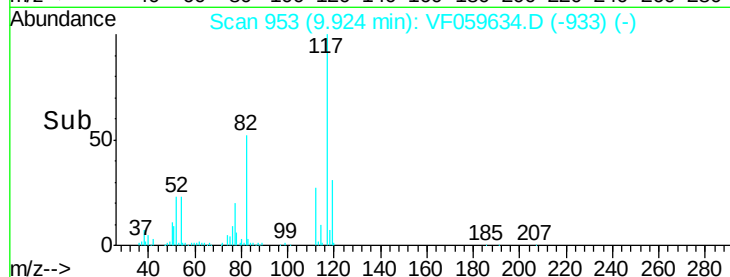
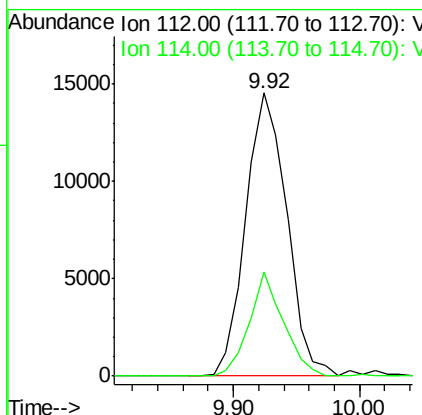
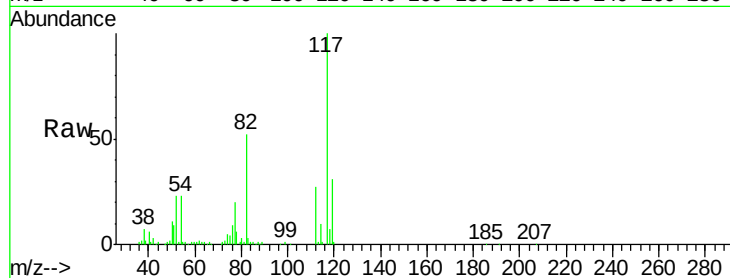
#65
Chlorobenzene
Concen: 5.820 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	36.9	26.4	39.6

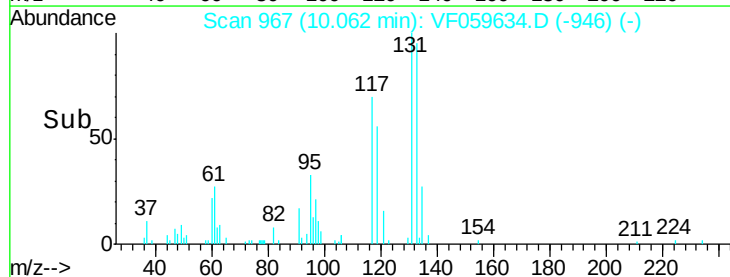
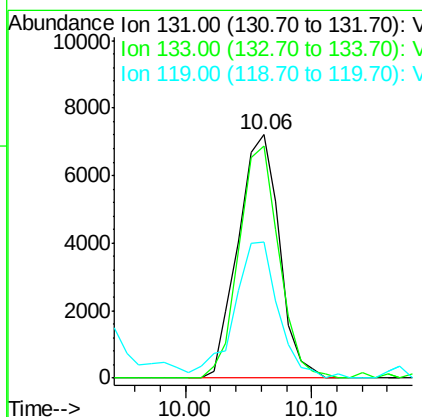
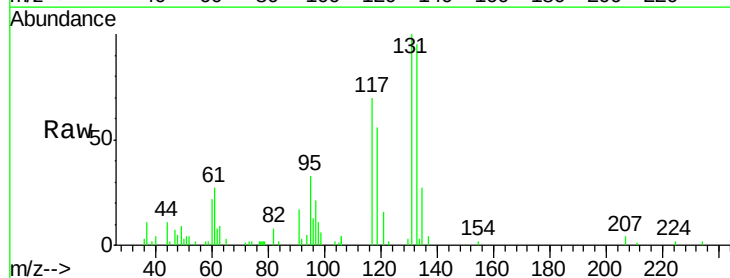
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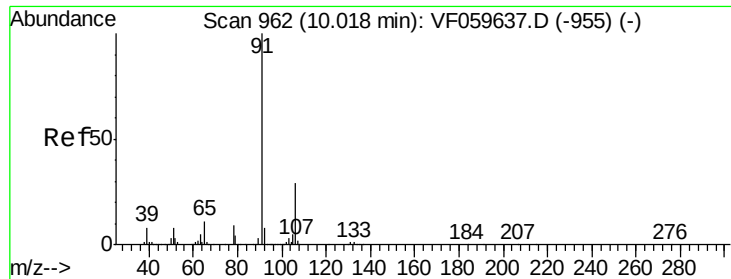
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#66
1,1,1,2-Tetrachloroethane
Concen: 6.379 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.00 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.5	142.6
119	56.1	31.8	95.4





#67

Ethyl Benzene

Concen: 5.823 ug/l

RT: 10.02 min Scan# 963

Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 59520

Ion Ratio Lower Upper

91 100

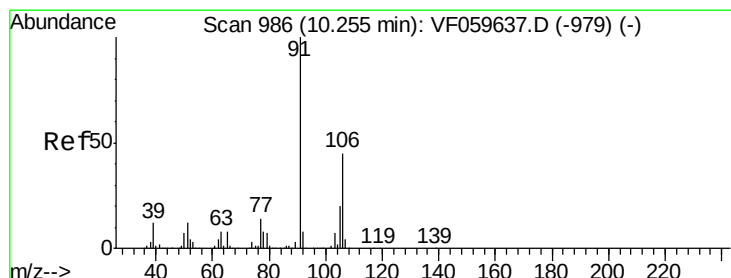
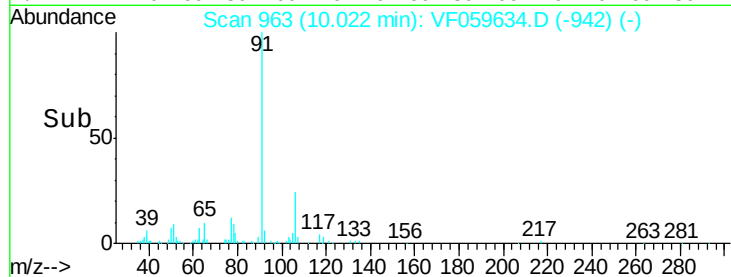
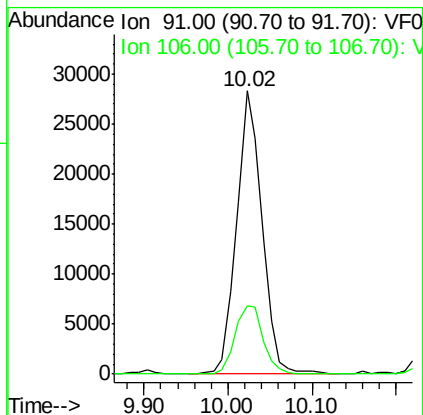
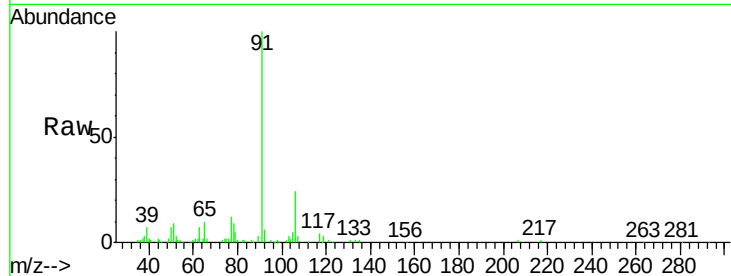
106 24.2 23.4 35.0

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#68

m/p-Xylenes

Concen: 11.928 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.00 min

Lab File: VF059634.D

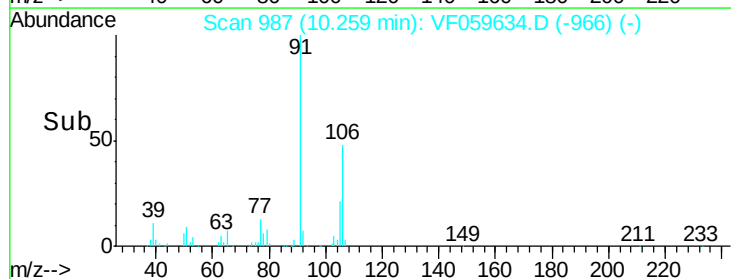
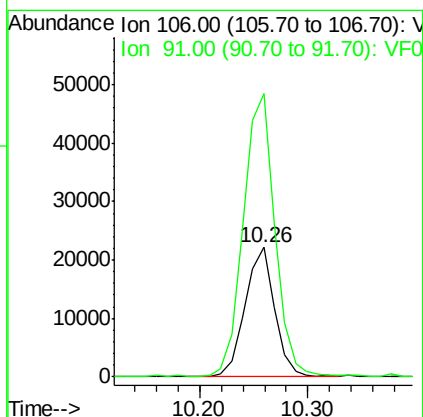
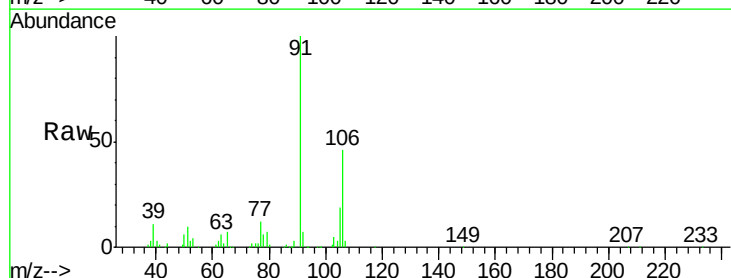
Acq: 24 Jul 2018 16:07

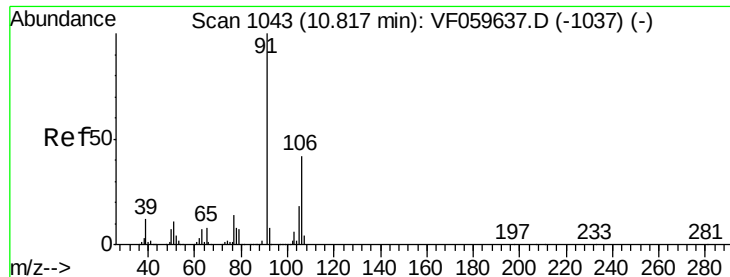
Tgt Ion: 106 Resp: 42296

Ion Ratio Lower Upper

106 100

91 218.6 177.8 266.8





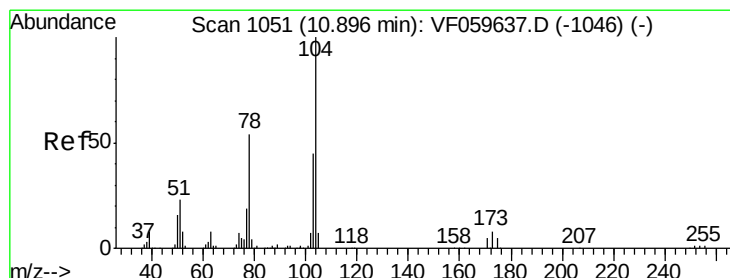
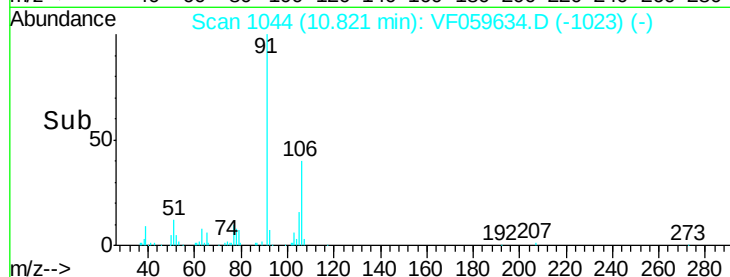
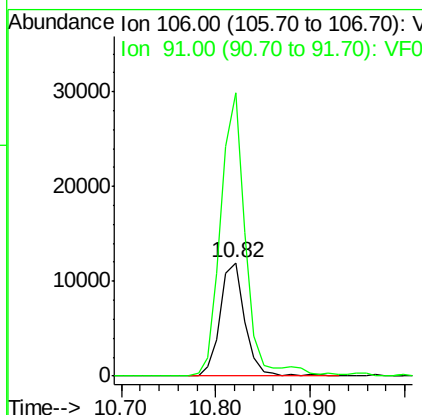
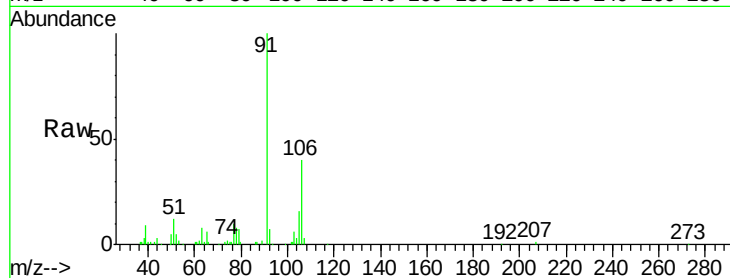
#69
o-Xylene
Concen: 5.696 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Instrument :
MSVOA_F
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 21780
Ion Ratio Lower Upper
106 100
91 248.9 119.3 357.9

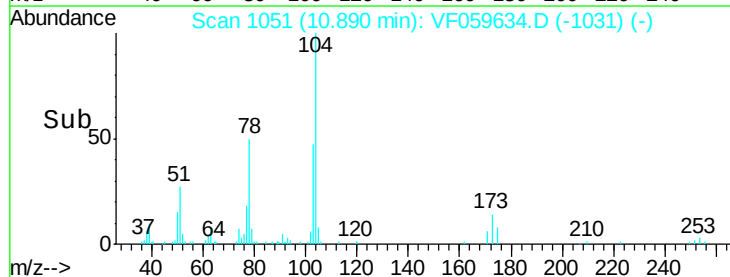
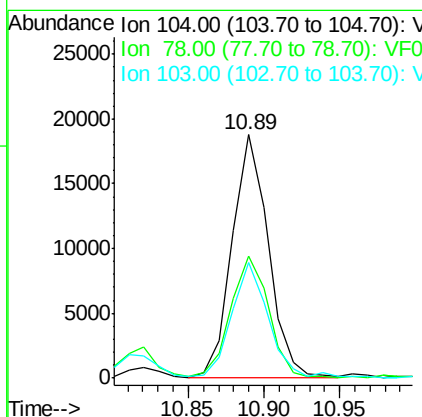
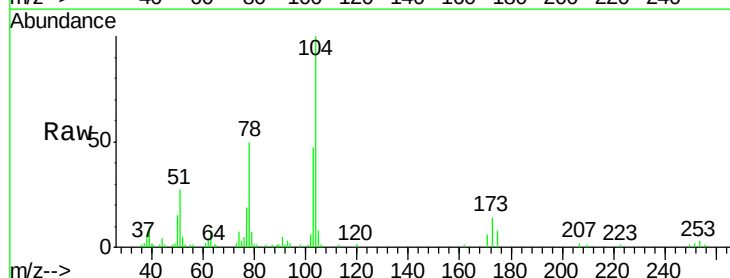
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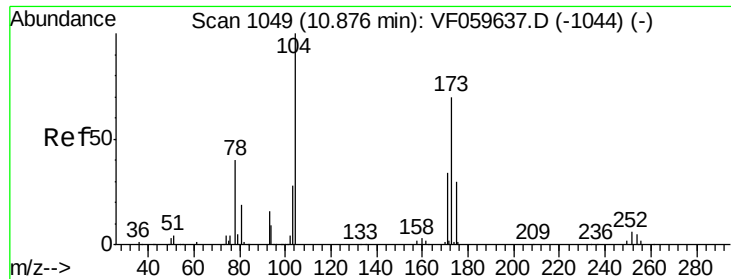
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#70
Styrene
Concen: 5.521 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Tgt Ion:104 Resp: 31454
Ion Ratio Lower Upper
104 100
78 50.0 43.4 65.2
103 47.4 36.7 55.1





#71

Bromoform

Concen: 4.782 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

ClientSampleId :

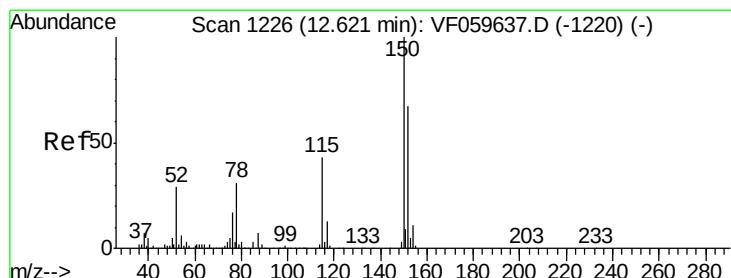
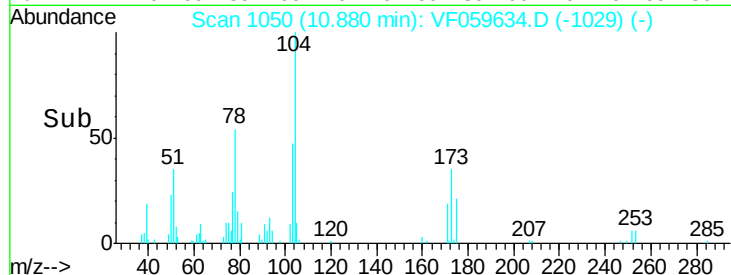
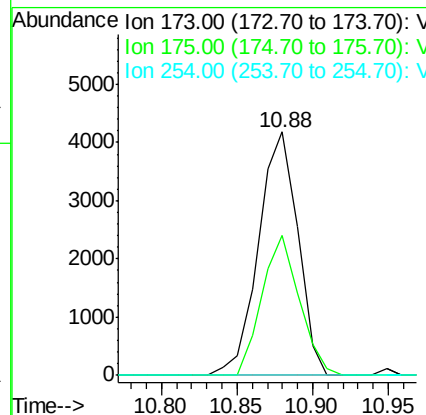
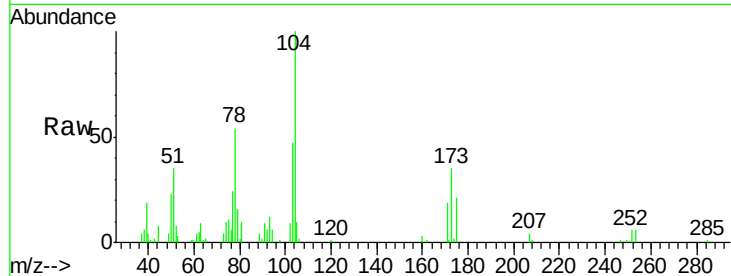
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	57.4	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

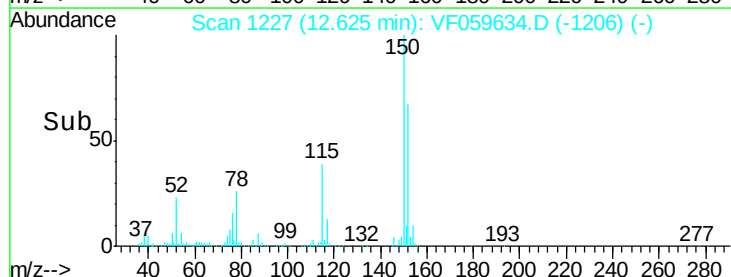
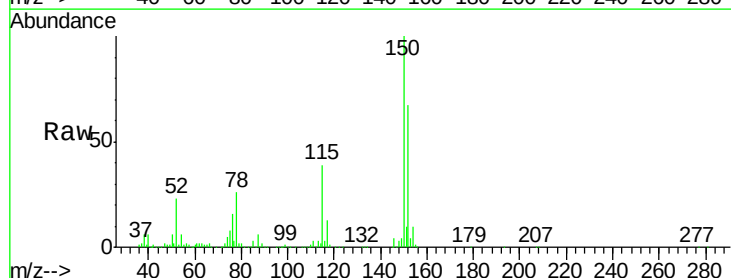
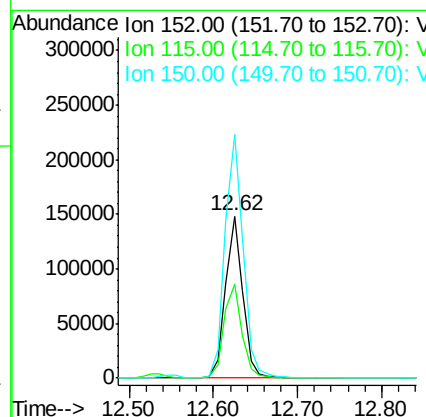
RT: 12.62 min Scan# 1227

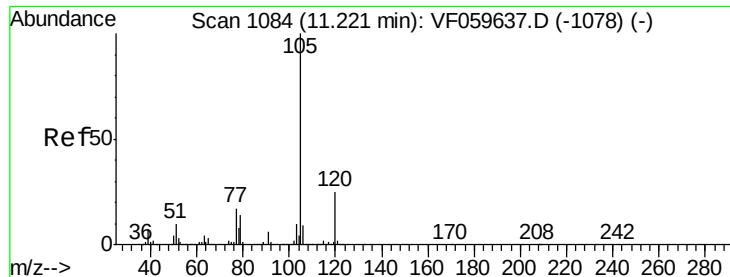
Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	32.0	96.2
150	150.3	0.0	313.2





#73

Isopropylbenzene

Concen: 5.302 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 71677

Ion Ratio Lower Upper

105 100

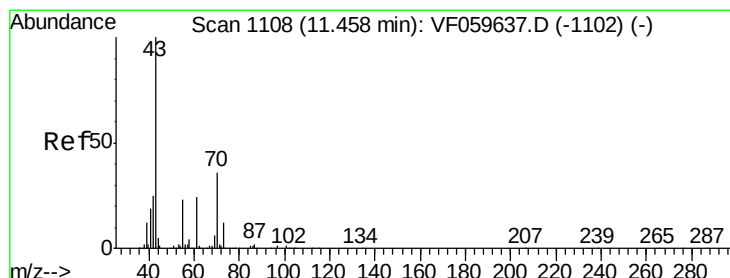
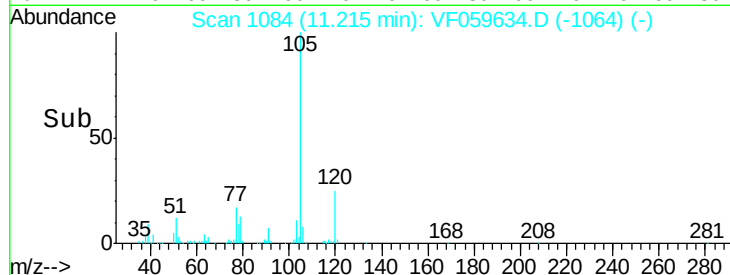
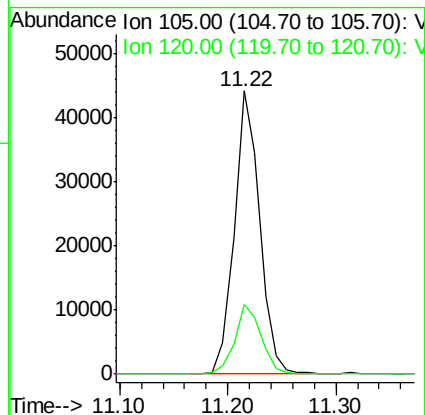
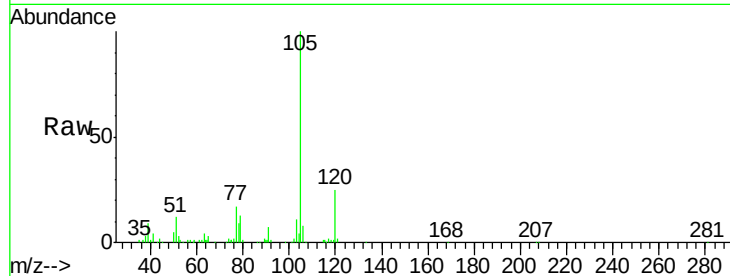
120 24.6 12.6 37.8

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#74

N-ethyl acetate

Concen: 5.166 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Tgt Ion: 43 Resp: 15339

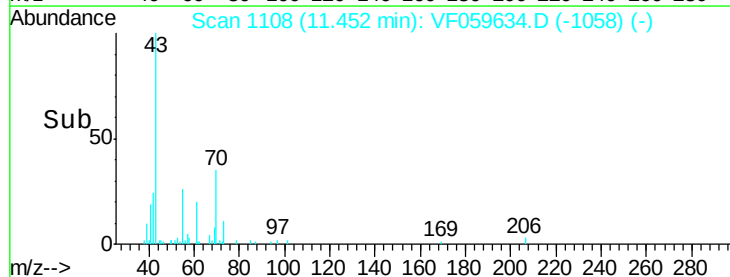
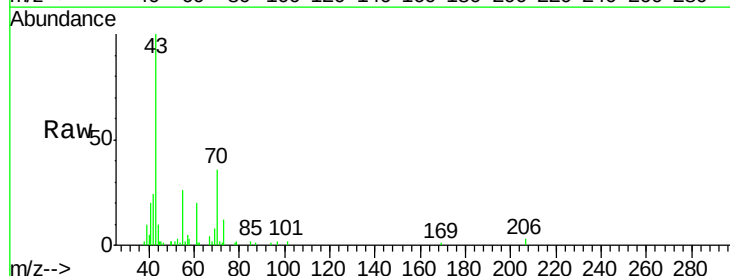
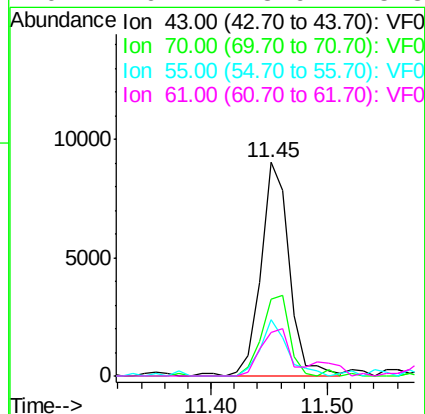
Ion Ratio Lower Upper

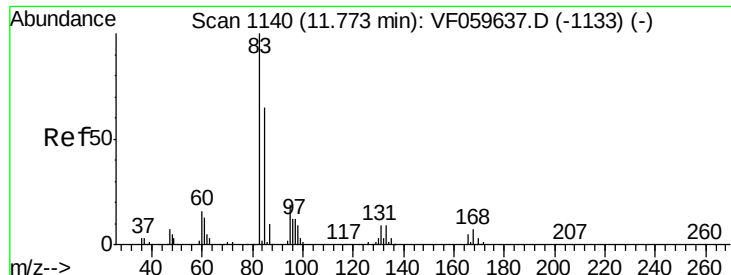
43 100

70 36.0 29.4 44.0

55 26.2 18.2 27.4

61 20.4 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 4.817 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

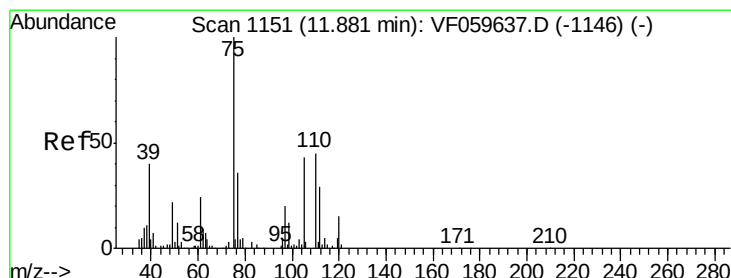
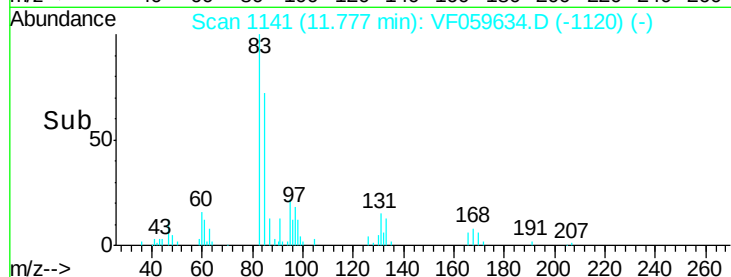
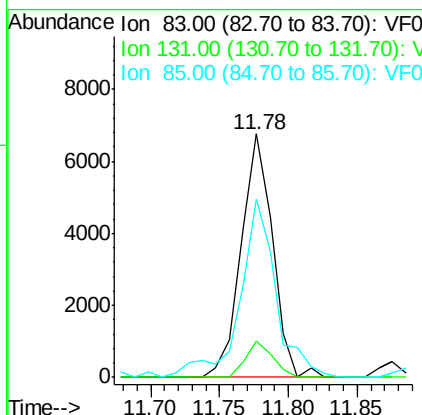
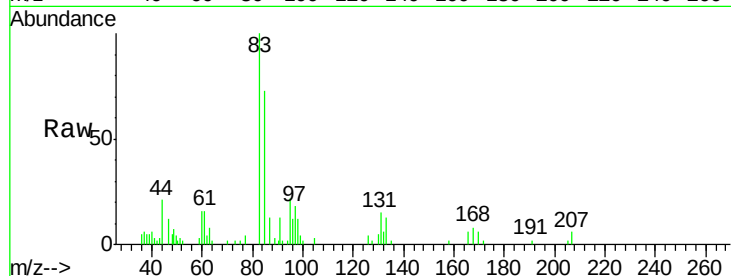
ClientSampleId :

VSTDIC005

Tot Ion	83	Resp	10764
Ion Ratio	100	Lower	Upper
83	100		
131	15.1	4.5	13.5#
85	73.0	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 4.407 ug/l

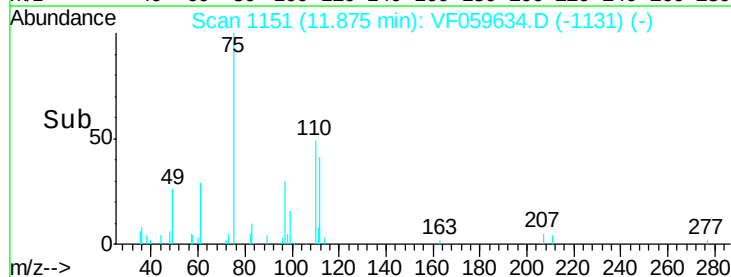
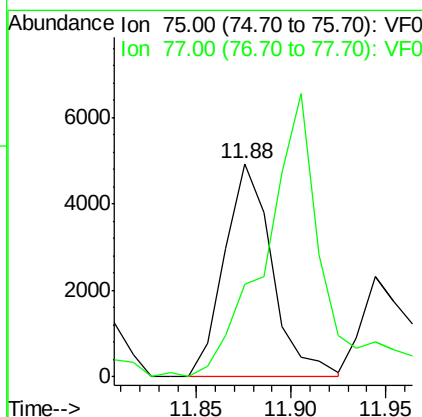
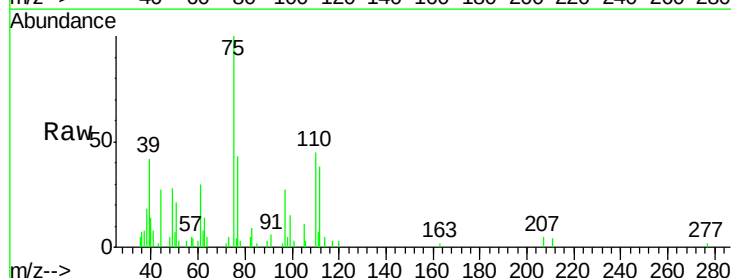
RT: 11.88 min Scan# 1151

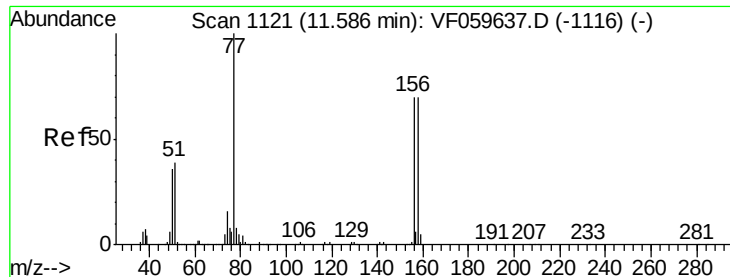
Delta R.T. -0.01 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Tgt Ion	75	Resp	8625
Ion Ratio	100	Lower	Upper
75	100		
77	43.2	18.4	55.0





#77

Bromobenzene

Concen: 5.211 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

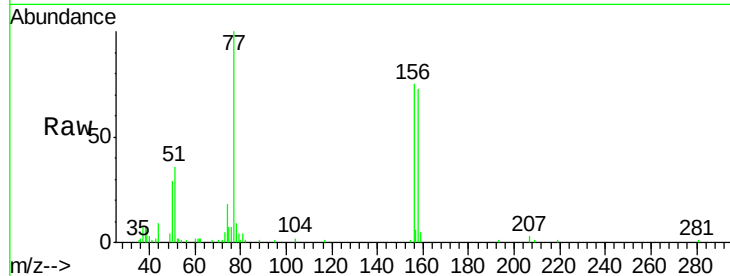
ClientSampleId :

VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		17968		
77	134.2		71.5	214.3	
158	98.2		50.0	149.8	

Manual Integrations
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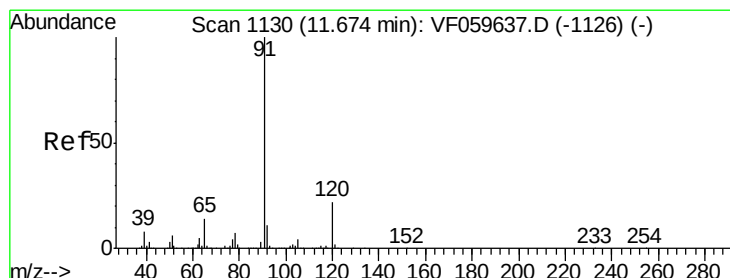
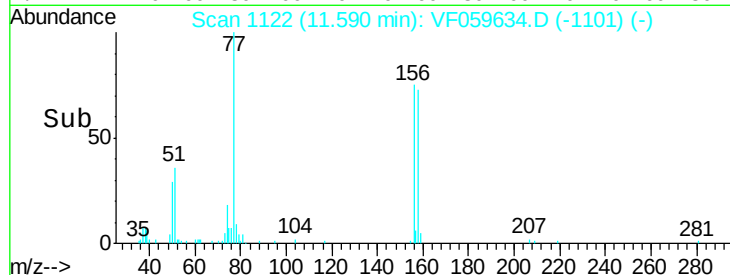
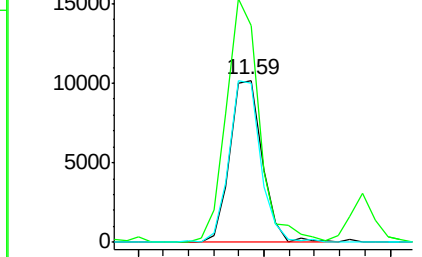
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 5.663 ug/l

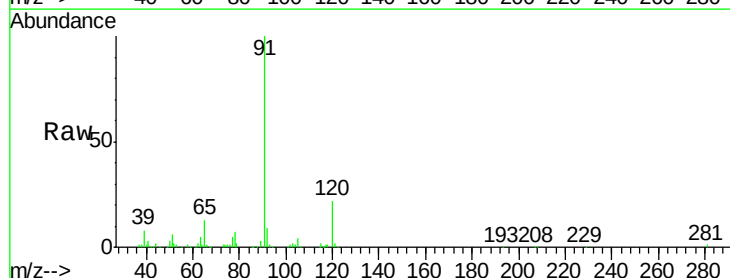
RT: 11.68 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF059634.D

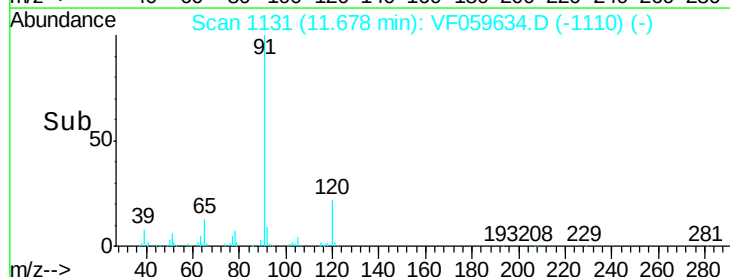
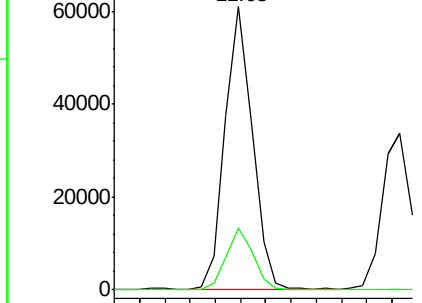
Acq: 24 Jul 2018 16:07

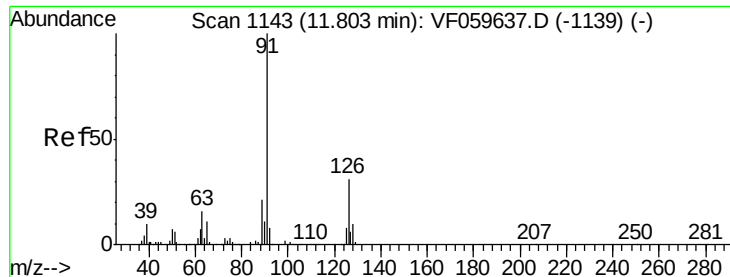
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		91326		
120	22.0		10.8	32.4	



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.626 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 54556

Ion Ratio Lower Upper

91 100

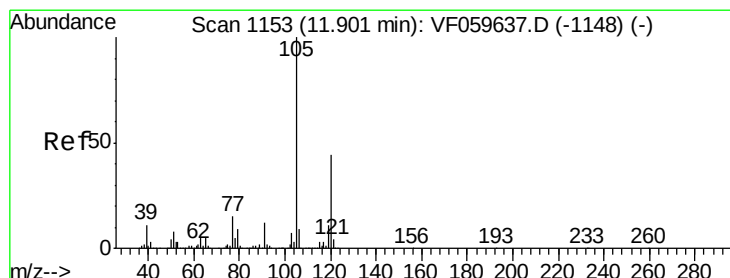
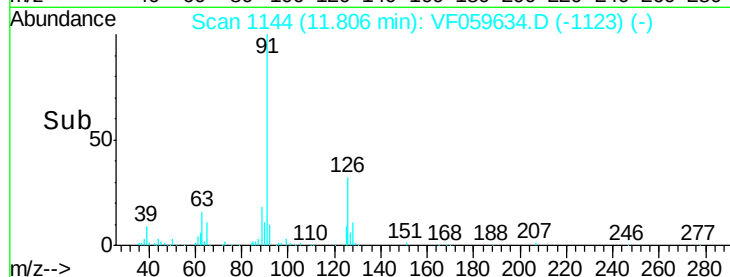
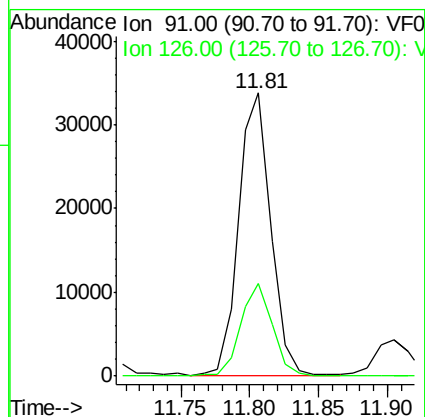
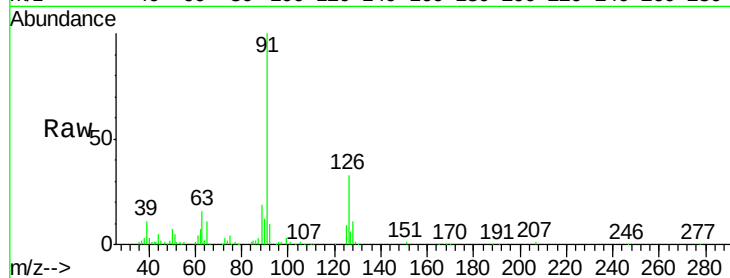
126 32.8 15.4 46.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.324 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059634.D

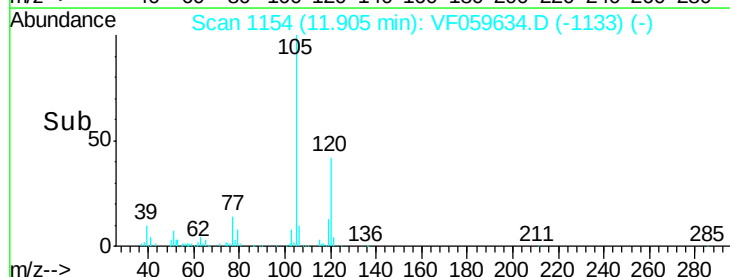
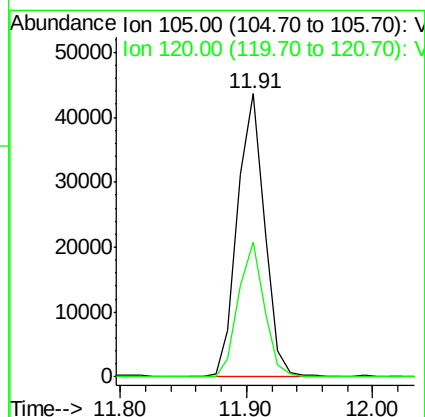
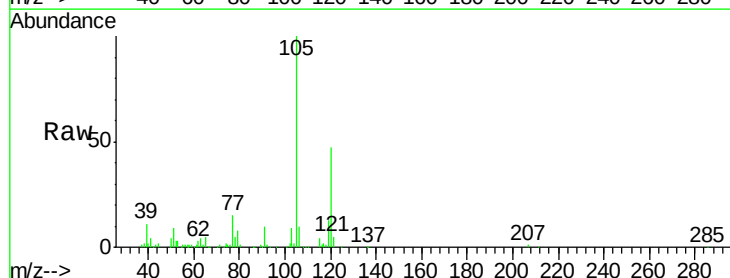
Acq: 24 Jul 2018 16:07

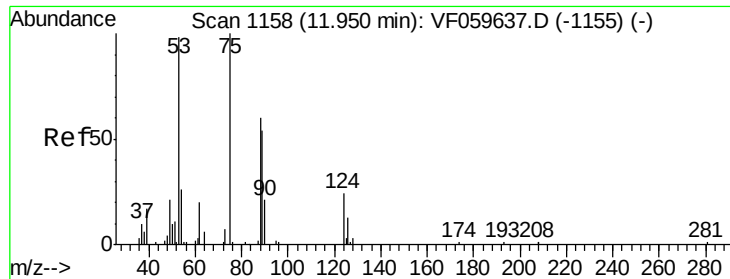
Tgt Ion: 105 Resp: 64594

Ion Ratio Lower Upper

105 100

120 47.5 21.8 65.4





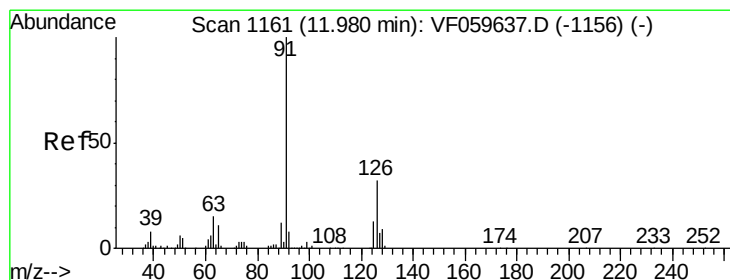
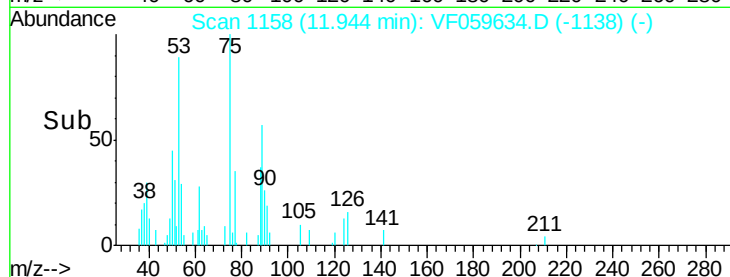
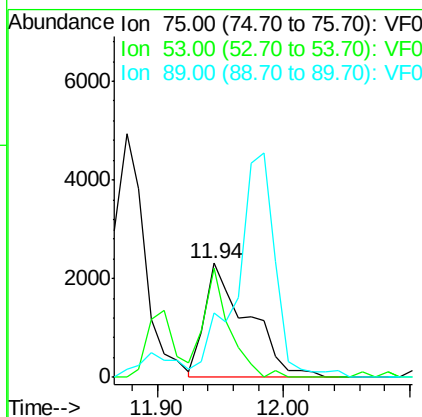
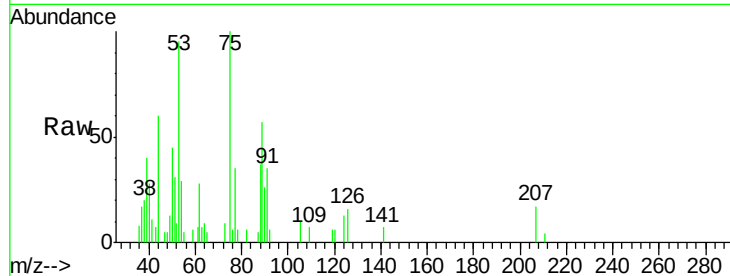
#81
trans-1,4-Dichloro-2-butene
Concen: 6.865 ug/l
RT: 11.94 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.4	82.3	123.5
89	56.8	48.2	72.2

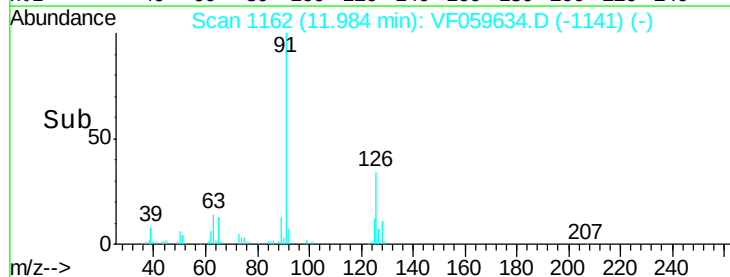
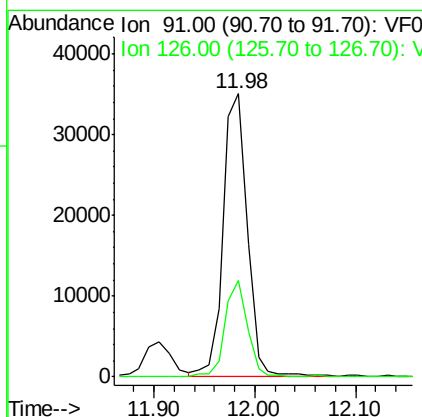
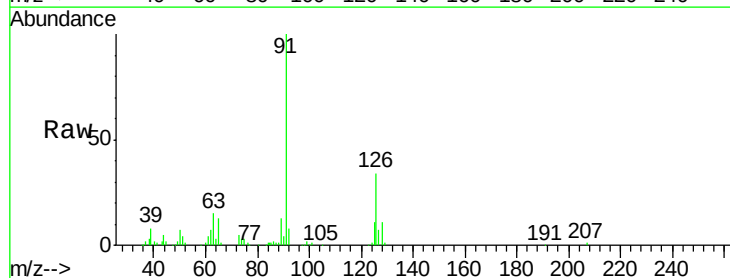
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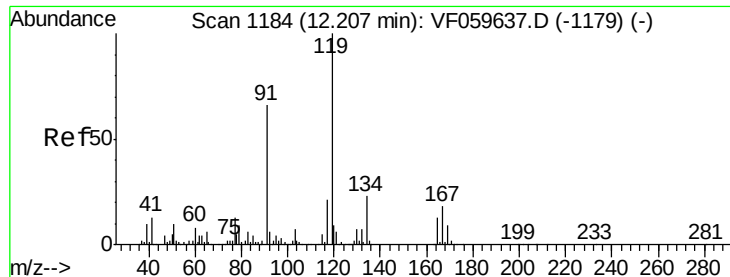
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#82
4-Chlorotoluene
Concen: 5.387 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.1	48.2





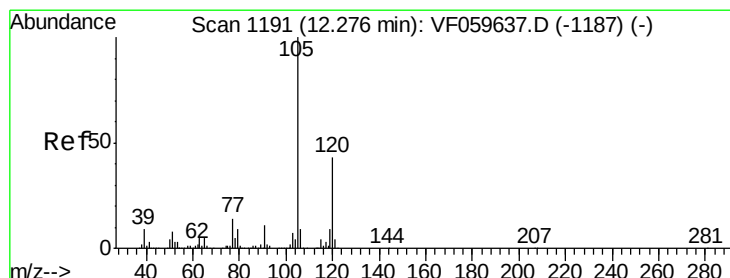
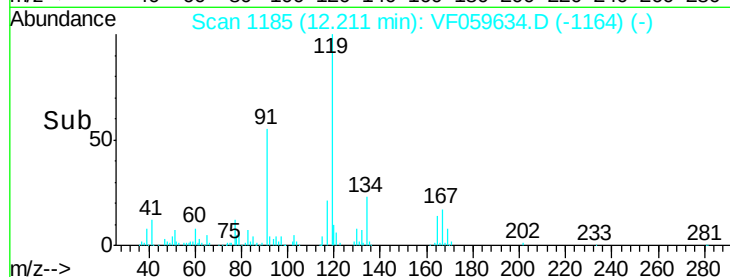
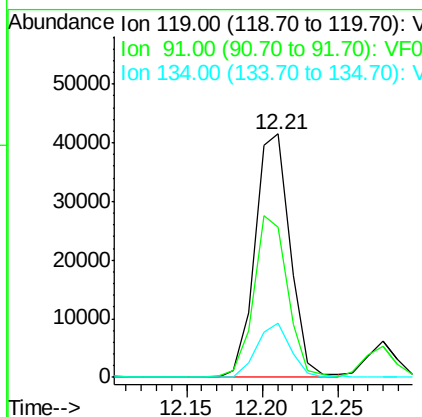
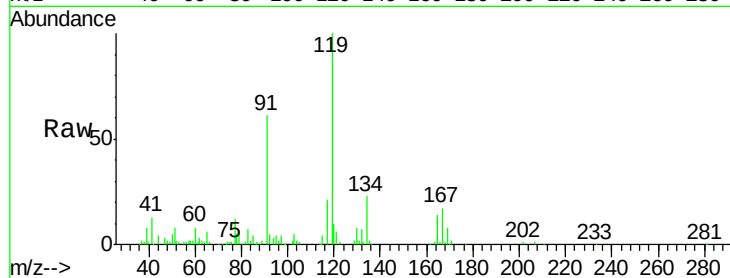
#83
 tert-Butylbenzene
 Concen: 5.629 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059634.D
 Acq: 24 Jul 2018 16:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.4	33.2	99.6
134	22.5	11.5	34.4

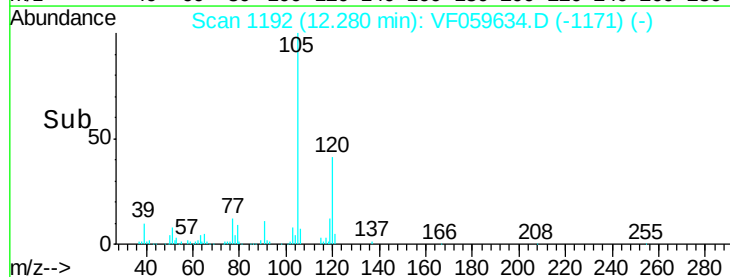
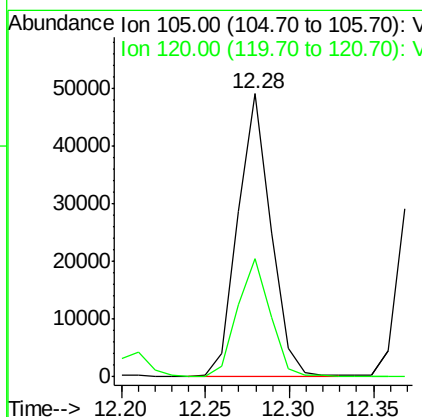
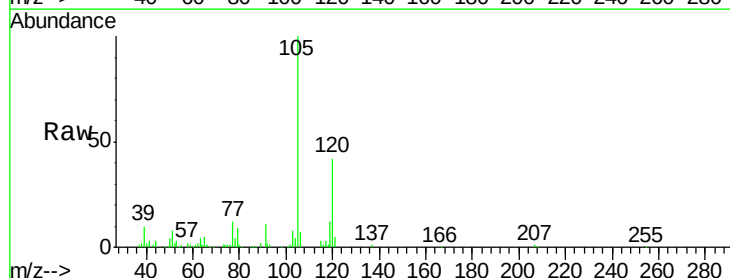
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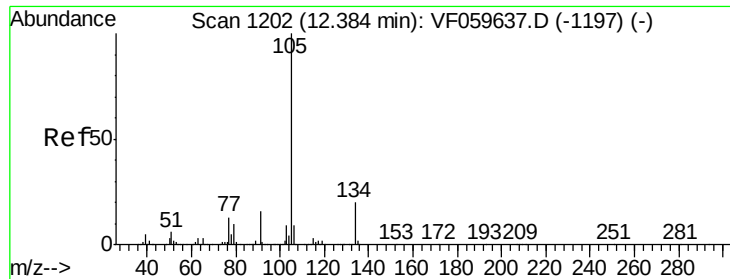
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.451 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF059634.D
 Acq: 24 Jul 2018 16:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.9	21.4	64.2





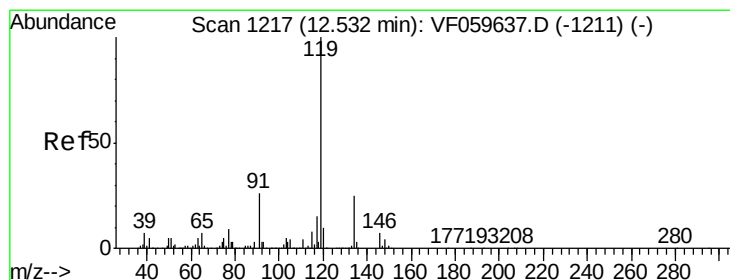
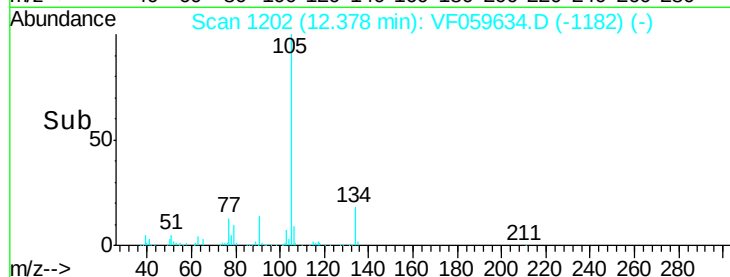
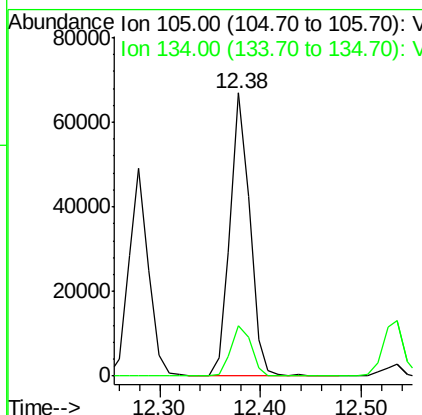
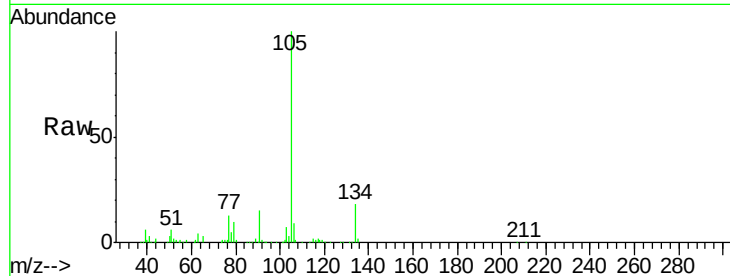
#85
 sec-Butylbenzene
 Concen: 5.897 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF059634.D
 Acq: 24 Jul 2018 16:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.0	9.9	29.7

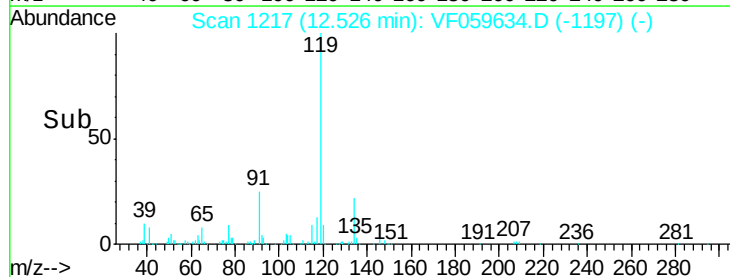
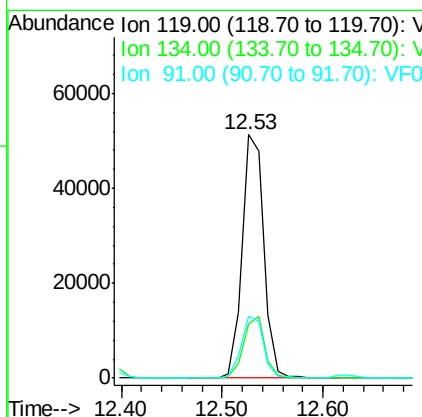
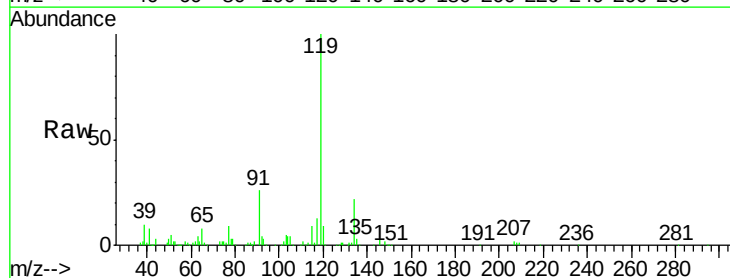
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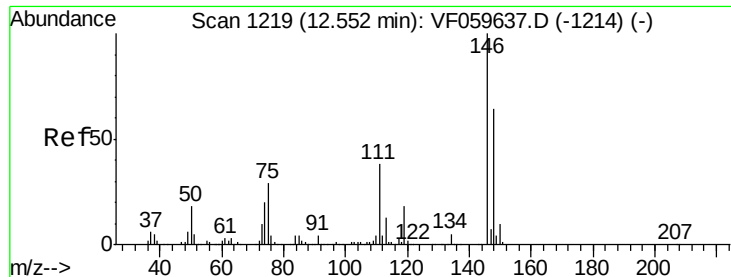
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#86
 p-Isopropyltoluene
 Concen: 5.639 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF059634.D
 Acq: 24 Jul 2018 16:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	22.5	12.4	37.0
91	25.6	13.1	39.1





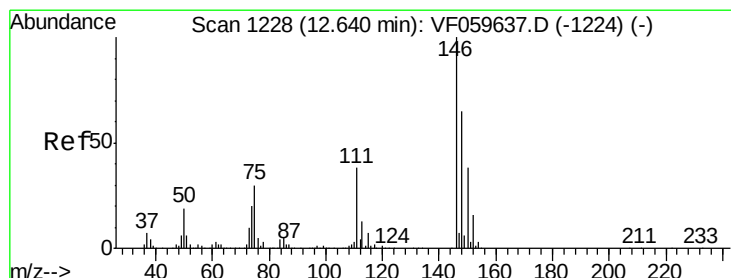
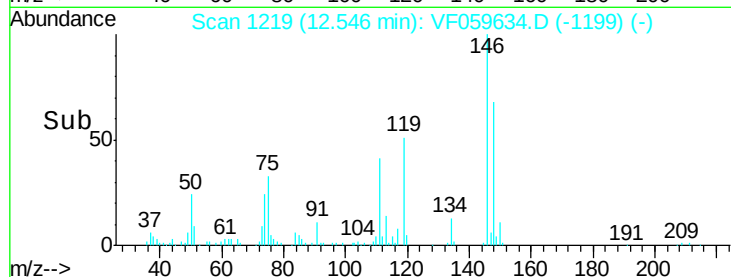
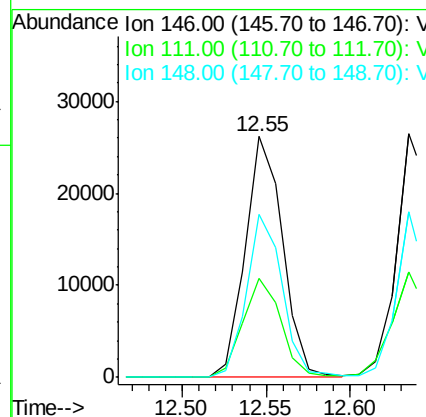
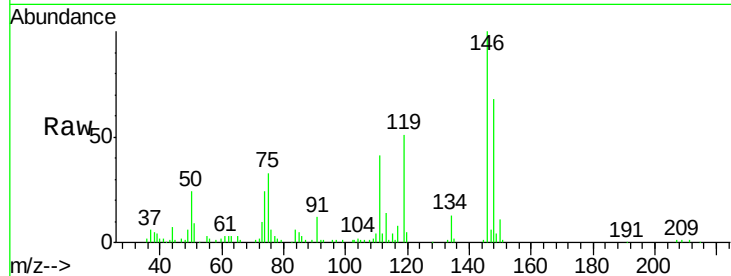
#87
 1,3-Dichlorobenzene
 Concen: 6.024 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF059634.D
 Acq: 24 Jul 2018 16:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.1	57.1
148	67.9	31.9	95.9

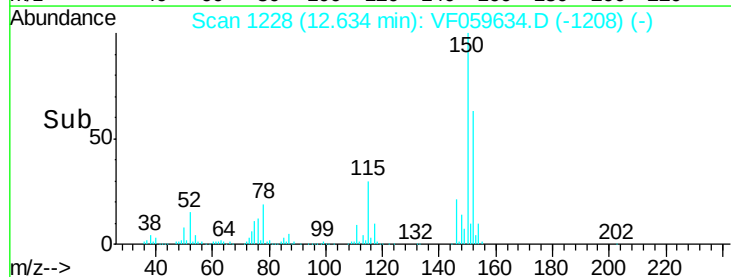
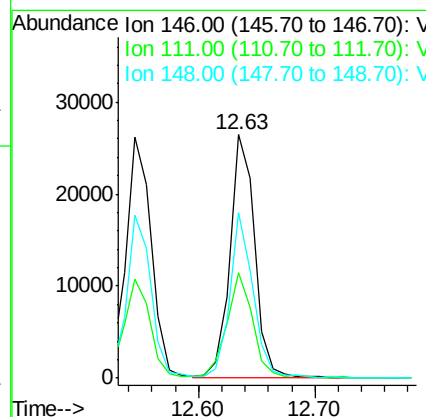
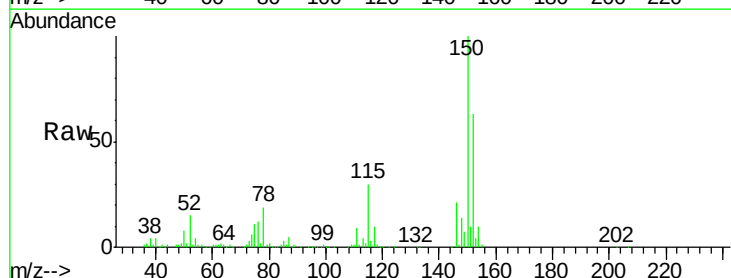
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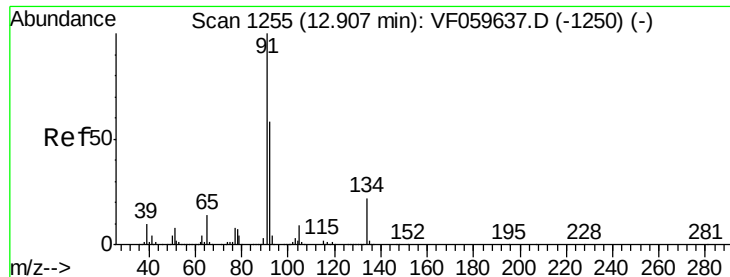
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#88
 1,4-Dichlorobenzene
 Concen: 6.238 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF059634.D
 Acq: 24 Jul 2018 16:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	19.1	57.1
148	68.2	32.4	97.2





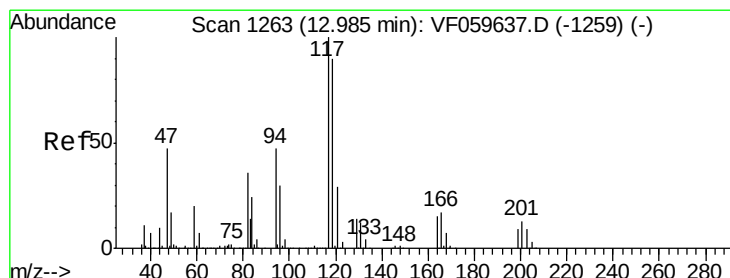
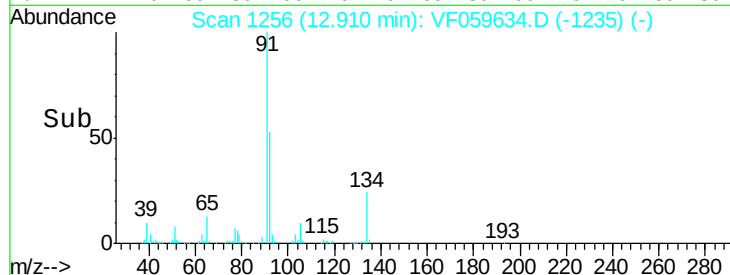
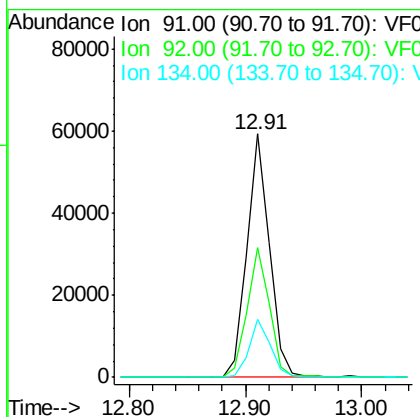
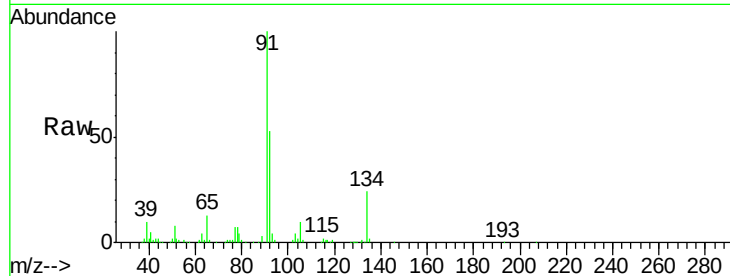
#89
n-Butylbenzene
Concen: 6.096 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	29.1	87.3
134	24.0	11.2	33.6

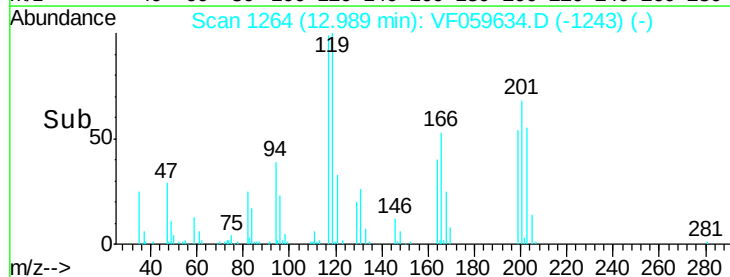
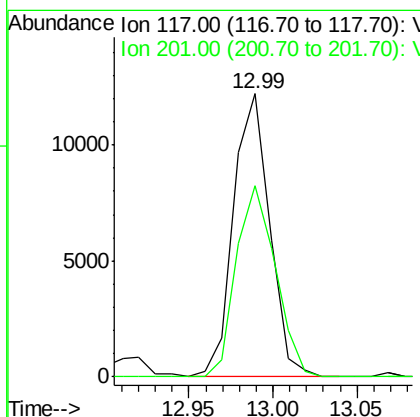
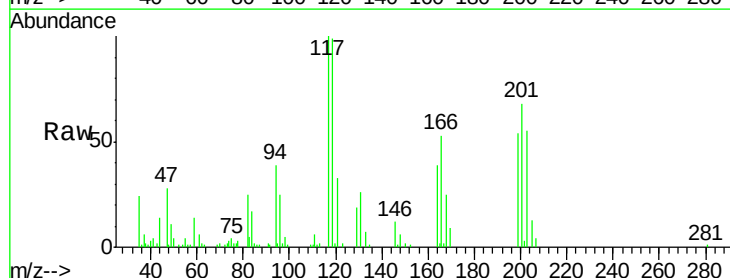
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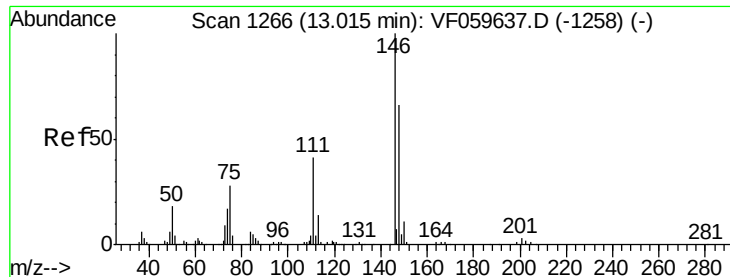
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#90
Hexachloroethane
Concen: 5.361 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.4	6.6	19.7#





#91

1,2-Dichlorobenzene

Concen: 5.831 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Instrument :

MSVOA_F

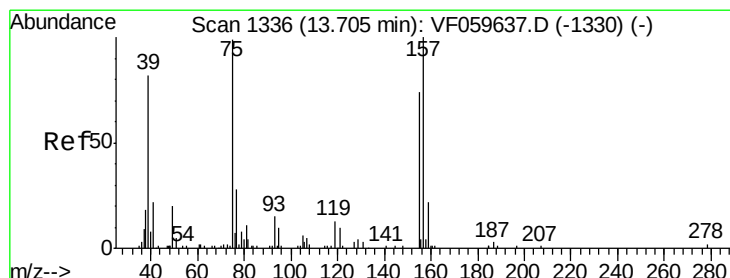
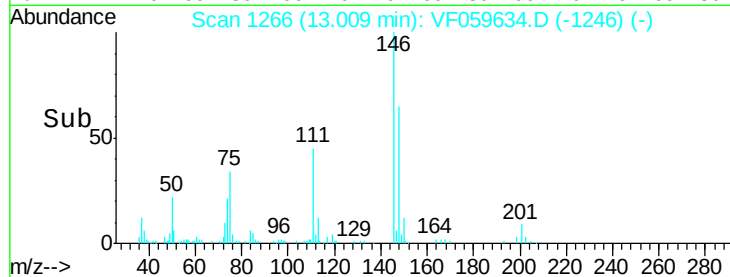
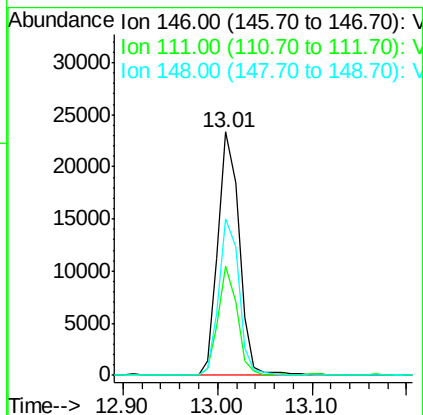
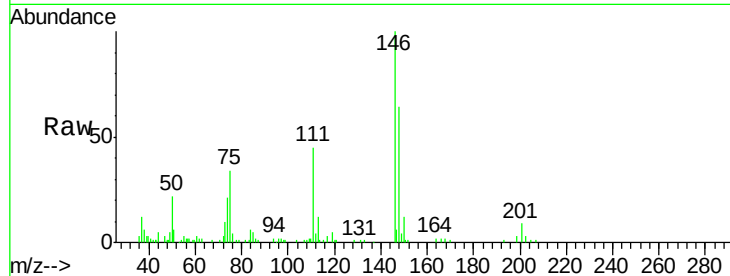
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	36742
Ion	Ratio	Lower	Upper
146	100		
111	44.9	20.3	61.0
148	64.1	32.9	98.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 5.558 ug/l

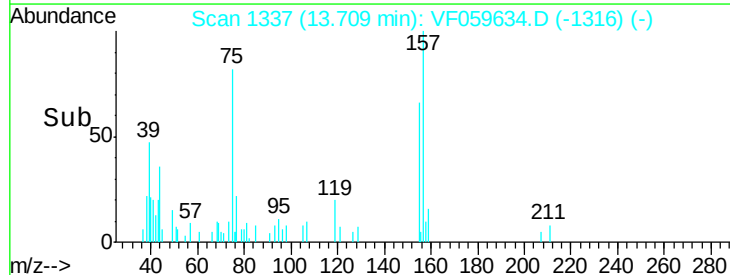
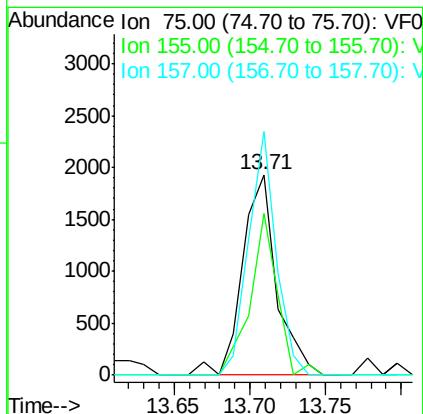
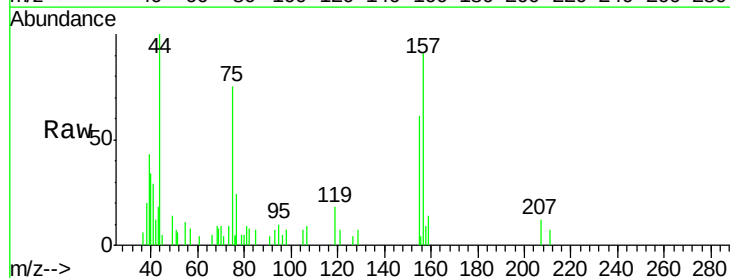
RT: 13.71 min Scan# 1337

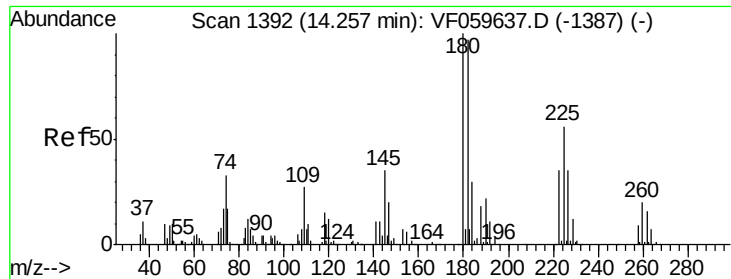
Delta R.T. 0.00 min

Lab File: VF059634.D

Acq: 24 Jul 2018 16:07

Tgt Ion:	75	Resp:	3022
Ion	Ratio	Lower	Upper
75	100		
155	86.2	37.5	112.7
157	121.5	50.6	151.9





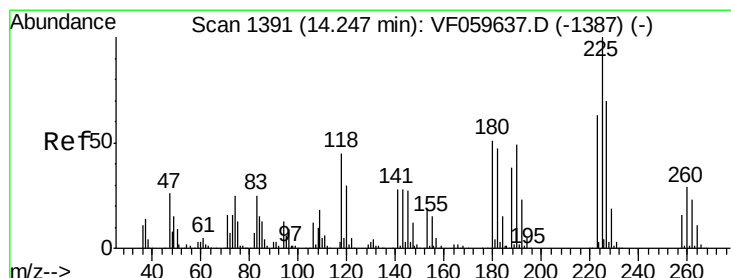
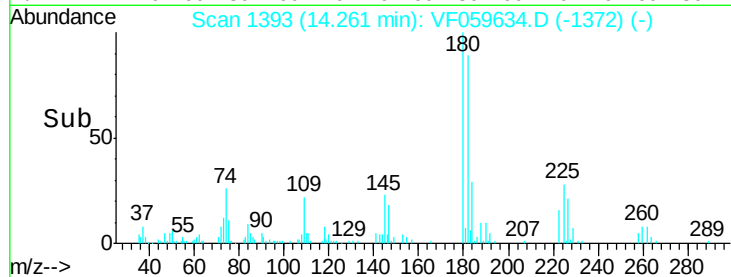
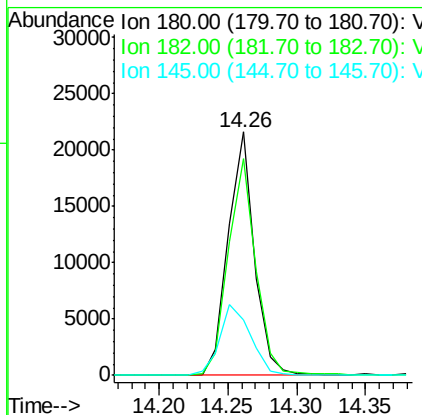
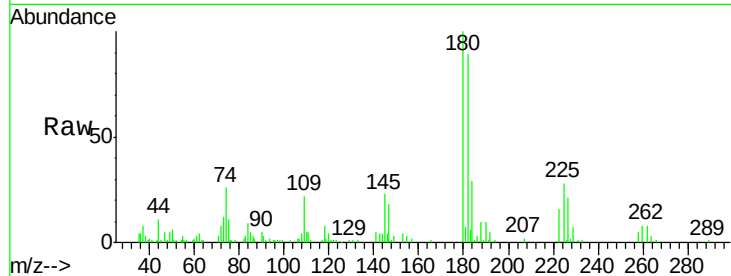
#93
 1,2,4-Trichlorobenzene
 Concen: 6.065 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059634.D
 Acq: 24 Jul 2018 16:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	28555		
182	89.2	48.5	145.6	
145	22.7	17.4	52.2	

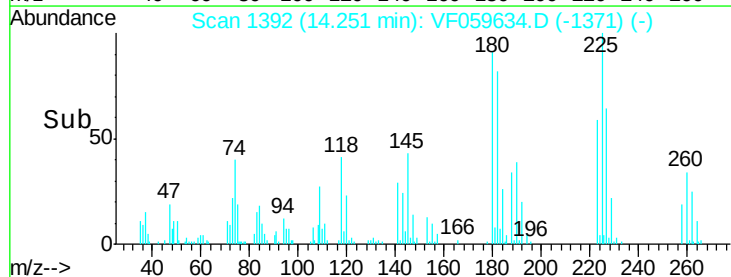
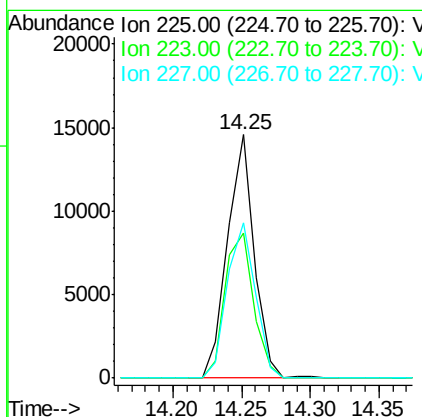
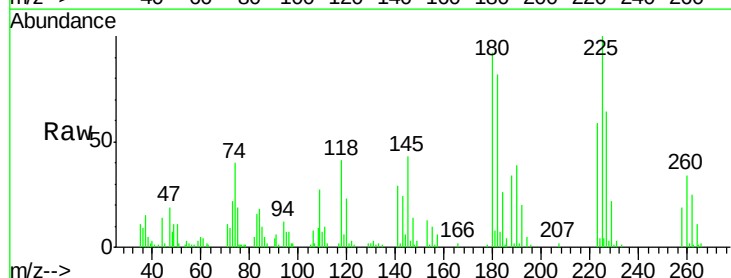
Manual Integrations
 APPROVED

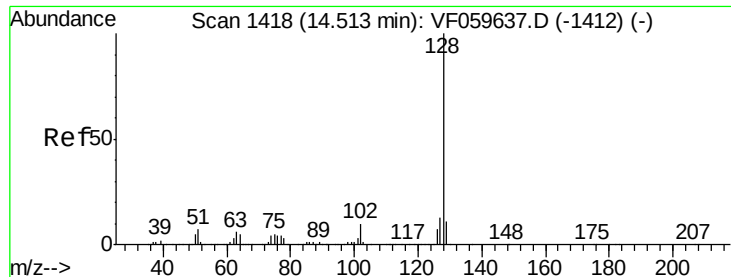
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#94
 Hexachlorobutadiene
 Concen: 5.999 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059634.D
 Acq: 24 Jul 2018 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	19715		
223	59.4	33.3	99.8	
227	63.6	34.8	104.4	





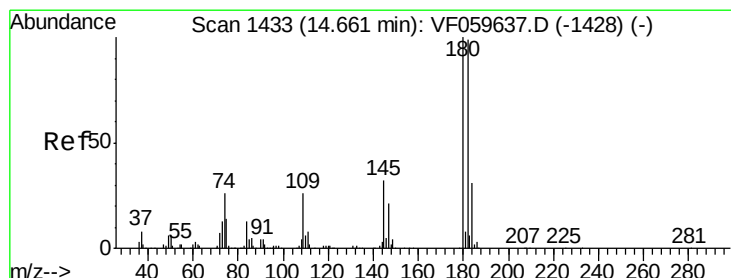
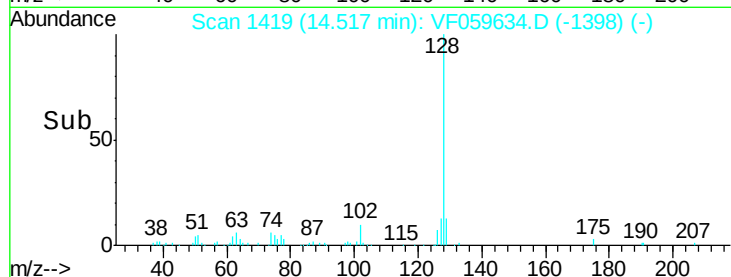
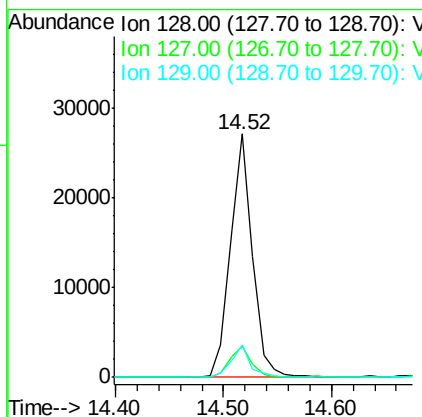
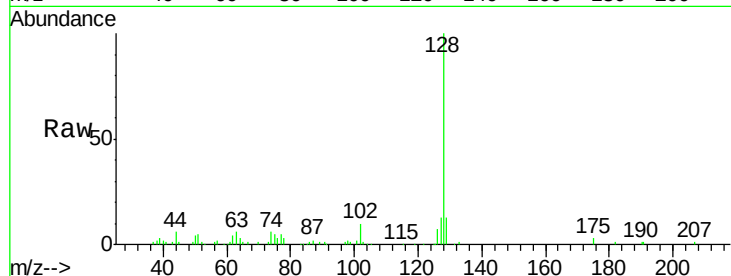
#95
Naphthalene
Concen: 5.059 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	13.4	9.1	13.7

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#96
1,2,3-Trichlorobenzene
Concen: 5.274 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059634.D
Acq: 24 Jul 2018 16:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	105.9	49.5	148.5
145	35.9	16.0	48.0

