

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059615.D
 Acq On : 23 Jul 2018 15:14
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
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 7/24/2018 1:13:43 PM

Quant Time: Jul 23 15:36:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 23 15:11:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	240819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	338098	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	337211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	212087	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	365408	97.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.26%	
35) Dibromofluoromethane	4.29	113	299545	98.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.56%	
50) Toluene-d8	7.70	98	775375	104.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.34%	
62) 4-Bromofluorobenzene	11.50	95	402047	93.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	270315	88.65	ug/l	91
3) Chloromethane	1.09	50	129843	87.41	ug/l	92
4) Vinyl Chloride	1.15	62	153401	95.72	ug/l #	84
5) Bromomethane	1.33	94	114764	86.33	ug/l	92
6) Chloroethane	1.42	64	87308	93.44	ug/l	97
7) Trichlorofluoromethane	1.48	101	388159m	92.49	ug/l	
8) Diethyl Ether	1.70	74	54813	82.98	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.89	101	176706	84.21	ug/l	90
10) Methyl Iodide	1.95	142	329943	94.64	ug/l	95
11) Tert butyl alcohol	2.67	59	64516	397.67	ug/l	95
12) 1,1-Dichloroethene	1.84	96	152983	87.18	ug/l	95
13) Acrolein	2.08	56	39959	563.48	ug/l	99
14) Allyl chloride	2.18	41	280696	97.85	ug/l #	87
15) Acrylonitrile	3.07	53	105818	398.98	ug/l	97
16) Acetone	2.33	43	258600	398.54	ug/l	100
17) Carbon Disulfide	1.83	76	396058m	87.35	ug/l	
18) Methyl Acetate	2.45	43	81572	66.57	ug/l	94
19) Methyl tert-butyl Ether	2.52	73	442304	85.37	ug/l	97
20) Methylene Chloride	2.27	84	141362m	71.47	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	155345	87.68	ug/l	89
22) Diisopropyl ether	2.92	45	526963	88.68	ug/l	98
23) Vinyl Acetate	3.32	43	1302816	422.41	ug/l	98
24) 1,1-Dichloroethane	2.99	63	358623	88.68	ug/l	100
25) 2-Butanone	4.51	43	288414	396.55	ug/l	97
26) 2,2-Dichloropropane	3.76	77	286267	90.86	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	188431	94.71	ug/l	98
28) Bromochloromethane	3.89	49	129091	82.27	ug/l	97
29) Tetrahydrofuran	4.24	42	113736	369.55	ug/l	97
30) Chloroform	4.02	83	509969	90.80	ug/l	98
31) Cyclohexane	3.86	56	201158	89.85	ug/l	90
32) 1,1,1-Trichloroethane	4.27	97	437630	93.27	ug/l	95
36) 1,1-Dichloropropene	4.45	75	317510	92.57	ug/l	94
37) Ethyl Acetate	4.28	43	120260	78.55	ug/l #	80
38) Carbon Tetrachloride	4.16	117	460237	91.74	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	253647	93.12	ug/l	97
40) Benzene	4.80	78	570875	89.91	ug/l	97
41) Methacrylonitrile	4.92	41	58668	74.22	ug/l #	68
42) 1,2-Dichloroethane	5.11	62	377156	87.05	ug/l	98
43) Isopropyl Acetate	7.11	43	164612	83.00	ug/l #	100
44) Trichloroethene	5.67	130	211837	87.24	ug/l	96
45) 1,2-Dichloropropane	6.40	63	157452	90.70	ug/l	96
46) Dibromomethane	6.25	93	128835	86.88	ug/l	95
47) Bromodichloromethane	6.54	83	382597	88.29	ug/l #	95
48) Methyl methacrylate	6.87	41	125955	85.21	ug/l	94
49) 1,4-Dioxane	6.86	88	15968	1906.24	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	568769	410.43	ug/l	98
52) Toluene	7.78	92	408992	84.99	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	334767	91.14	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	341789	92.92	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	150695	88.42	ug/l	93
56) Ethyl methacrylate	8.75	69	174924	89.14	ug/l	92
57) 1,3-Dichloropropane	8.99	76	252964	84.91	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	88019	423.04	ug/l	100
59) 2-Hexanone	9.62	43	451736	402.91	ug/l	98
60) Dibromochloromethane	8.86	129	272667	91.45	ug/l	98
61) 1,2-Dibromoethane	9.13	107	180731	90.22	ug/l	92
64) Tetrachloroethene	8.30	164	222326	87.18	ug/l	95
65) Chlorobenzene	9.94	112	569305	89.71	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	253190	88.02	ug/l	96
67) Ethyl Benzene	10.04	91	1008482	89.08	ug/l	99
68) m/p-Xylenes	10.26	106	703497	181.82	ug/l	92
69) o-Xylene	10.82	106	376368	88.49	ug/l	92
70) Styrene	10.89	104	568687	89.48	ug/l	96
71) Bromoform	10.88	173	152534	80.65	ug/l	96
73) Isopropylbenzene	11.22	105	1194865	87.96	ug/l	98
74) N-amyl acetate	11.46	43	296182	87.49	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	188412	75.70	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	181415	85.64	ug/l	85
77) Bromobenzene	11.59	156	304590	84.67	ug/l	92
78) n-propylbenzene	11.68	91	1377005	85.15	ug/l	98
79) 2-Chlorotoluene	11.81	91	798919	82.12	ug/l	89
80) 1,3,5-Trimethylbenzene	11.91	105	1015095	84.61	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	76048m	72.07	ug/l	
82) 4-Chlorotoluene	11.99	91	920351	84.91	ug/l	95
83) tert-Butylbenzene	12.21	119	981161	83.17	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	1037808	84.85	ug/l	94
85) sec-Butylbenzene	12.38	105	1307705	86.77	ug/l	99
86) p-Isopropyltoluene	12.54	119	1170717	89.16	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	567463	84.73	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	542739	85.10	ug/l	97
89) n-Butylbenzene	12.91	91	1108287	88.56	ug/l	96
90) Hexachloroethane	12.99	117	286732	88.99	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	531414	84.77	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	49513	81.89	ug/l	76

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VSTDICC100

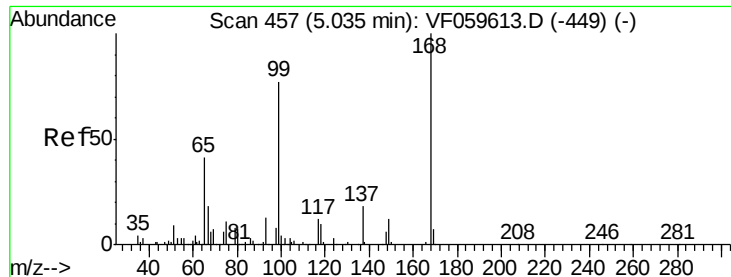
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	389384	86.62	ug/l	98
94) Hexachlorobutadiene	14.26	225	281895	96.49	ug/l	95
95) Naphthalene	14.52	128	684796	87.47	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	381374	92.80	ug/l	97

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



#1

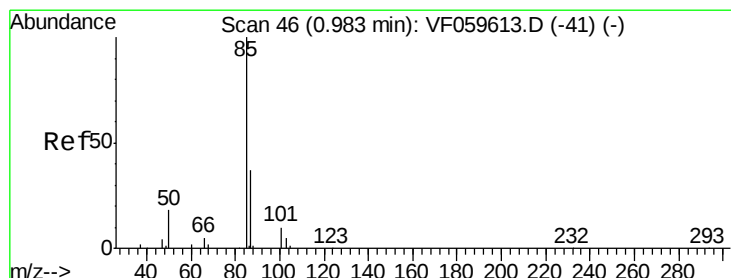
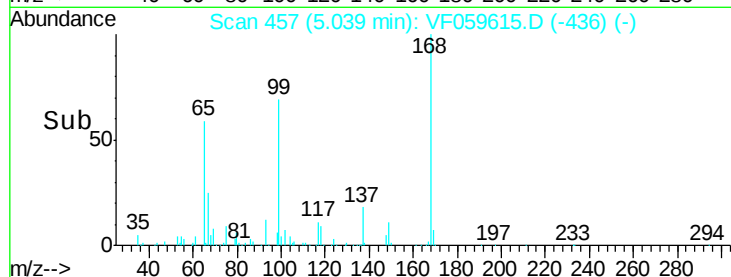
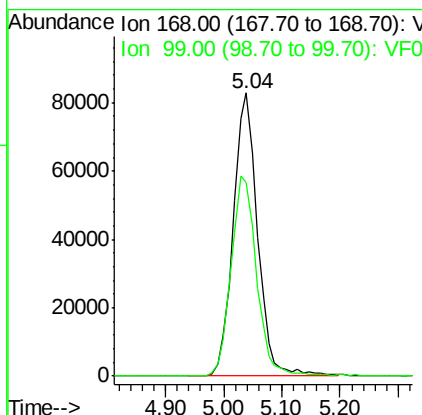
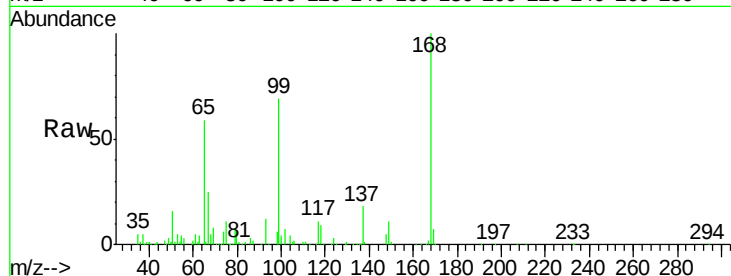
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
168	100		
99	68.6	61.5	92.3

Manual Integrations
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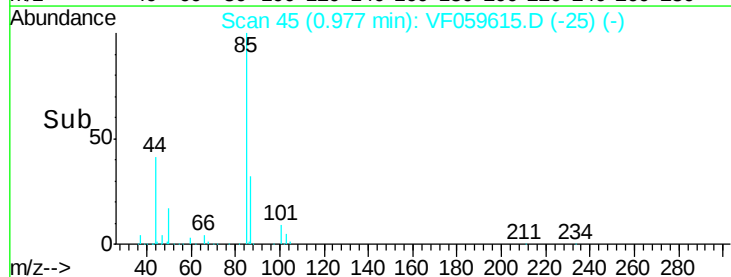
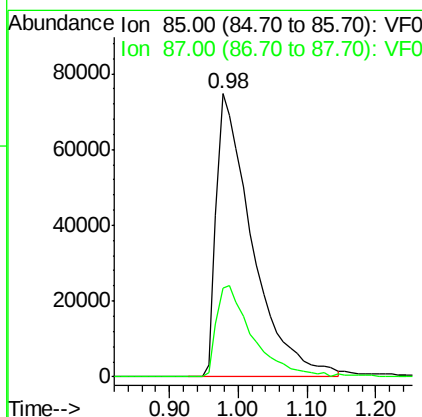
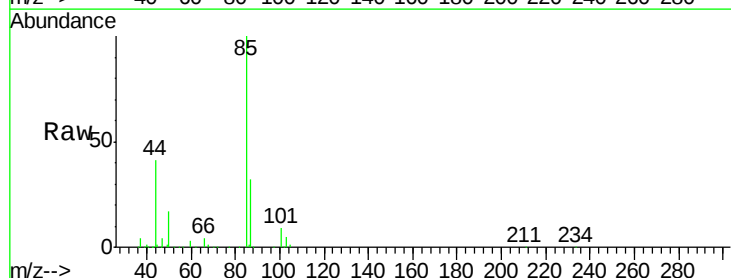
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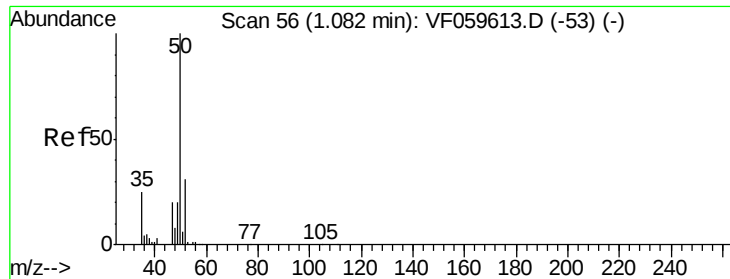


#2

Dichlorodifluoromethane
 Concen: 88.65 ug/l
 RT: 0.98 min Scan# 45
 Delta R.T. -0.01 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.5	18.3	54.9





#3

Chloromethane

Concen: 87.41 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 129843

Ion Ratio Lower Upper

50 100

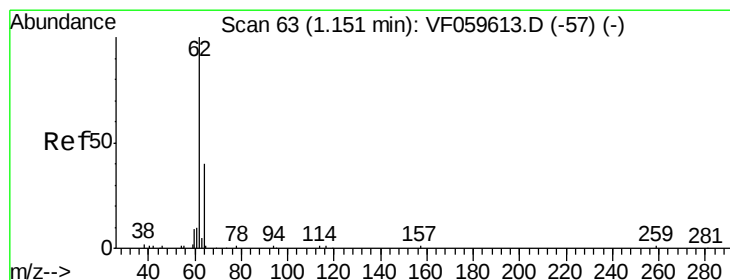
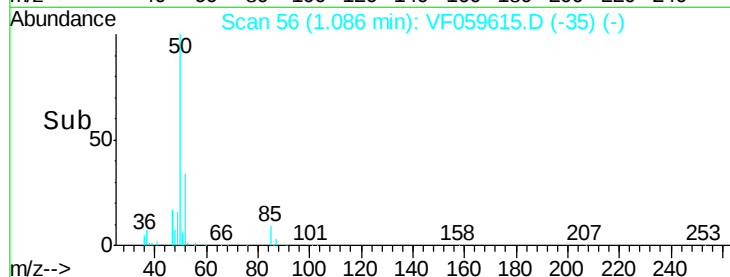
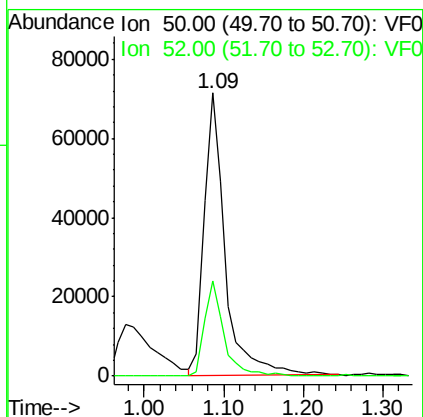
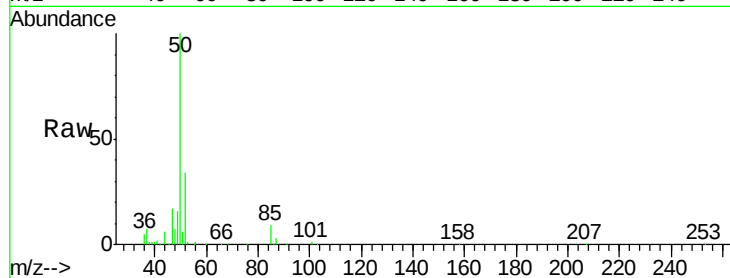
52 33.7 23.7 35.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 95.72 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059615.D

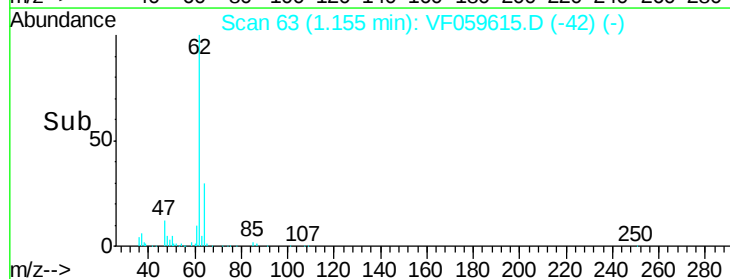
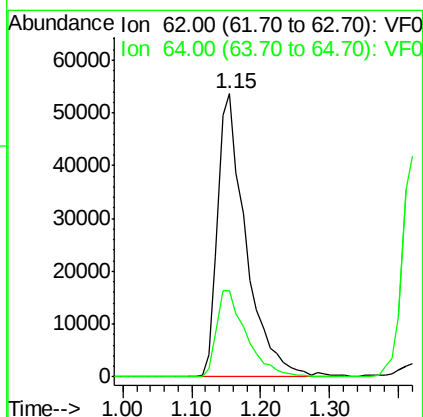
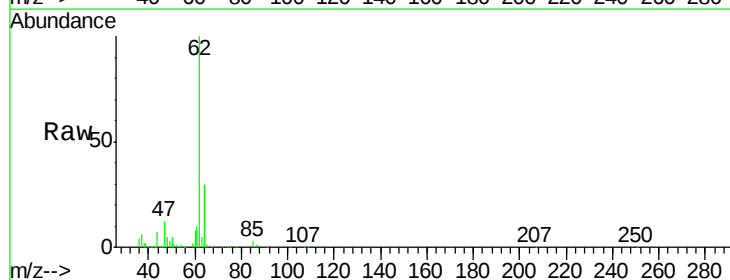
Acq: 23 Jul 2018 15:14

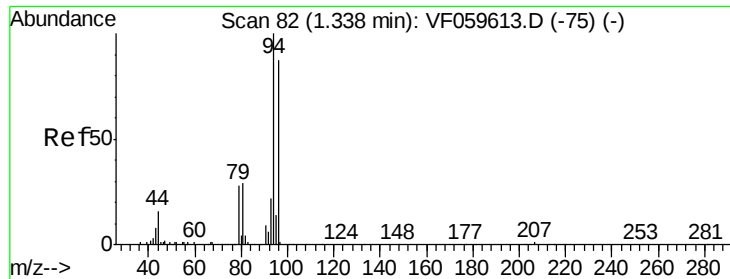
Tgt Ion: 62 Resp: 153401

Ion Ratio Lower Upper

62 100

64 30.4 32.2 48.4#





#5

Bromomethane

Concen: 86.33 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 114764

Ion Ratio Lower Upper

94 100

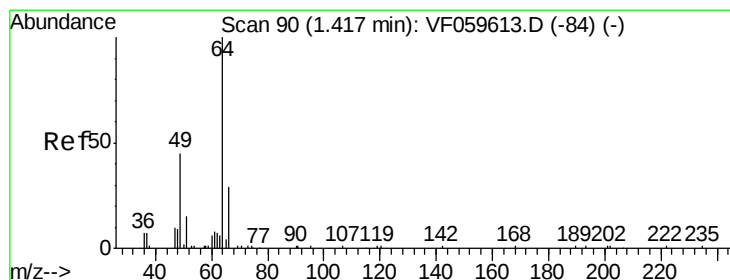
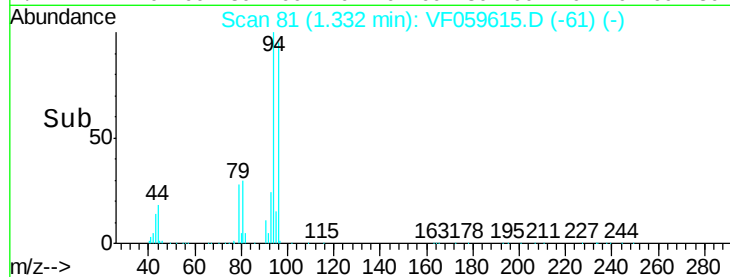
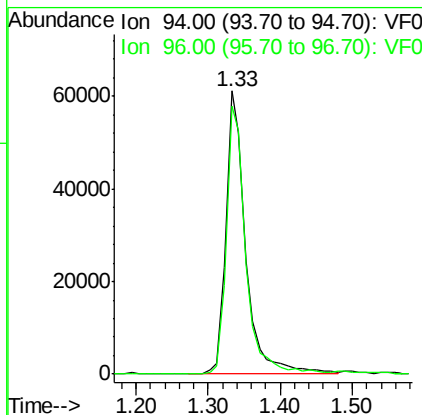
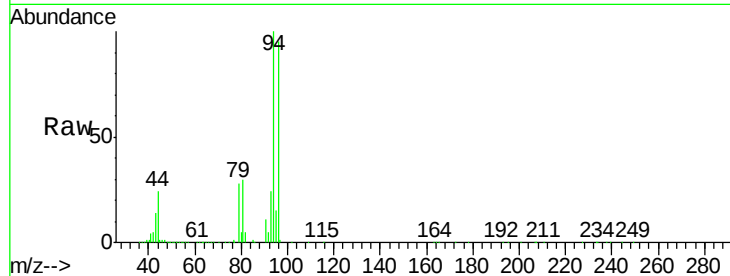
96 94.6 69.8 104.8

Manual Integrations

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#6

Chloroethane

Concen: 93.44 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059615.D

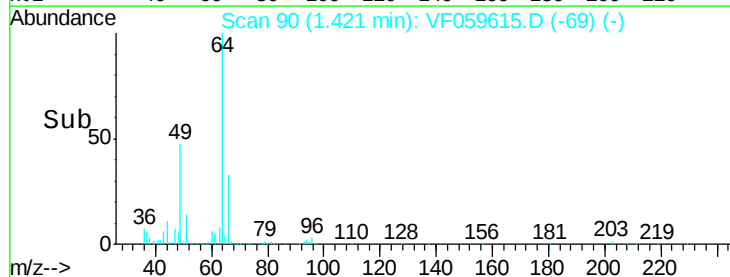
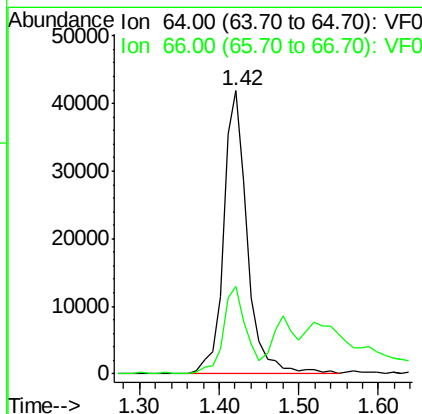
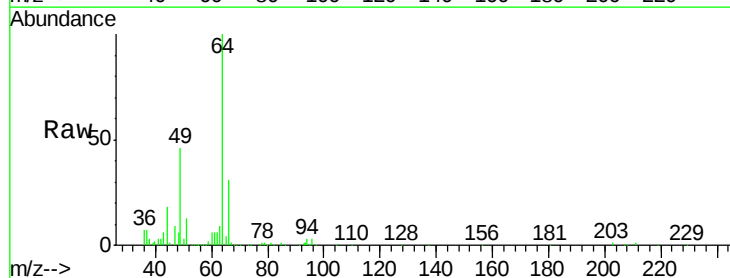
Acq: 23 Jul 2018 15:14

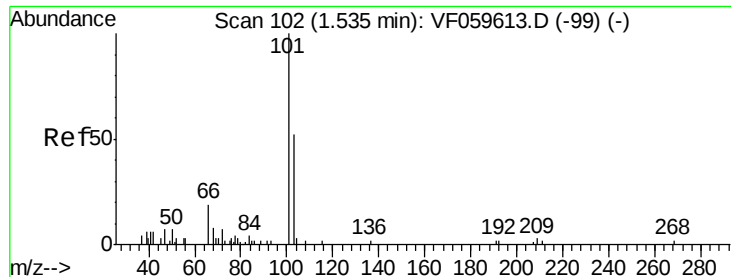
Tgt Ion: 64 Resp: 87308

Ion Ratio Lower Upper

64 100

66 31.1 23.7 35.5





#7

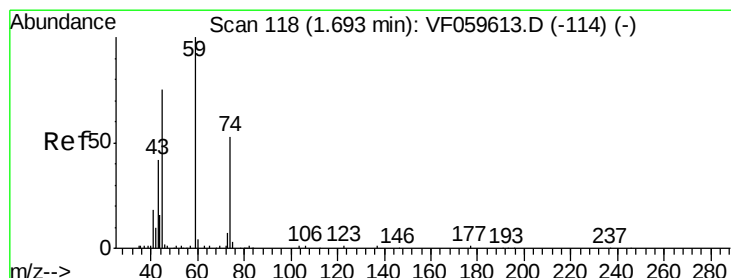
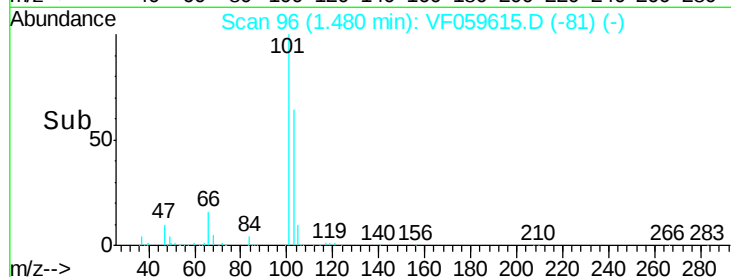
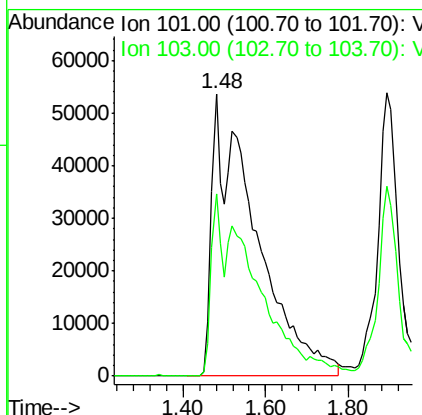
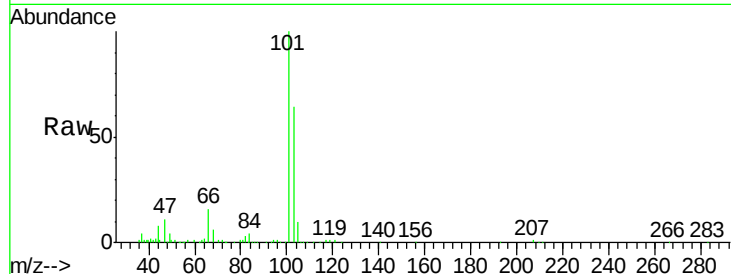
Trichlorofluoromethane
Concen: 92.49 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. -0.06 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 388159
Ion Ratio Lower Upper
101 100
103 64.4 48.2 72.4

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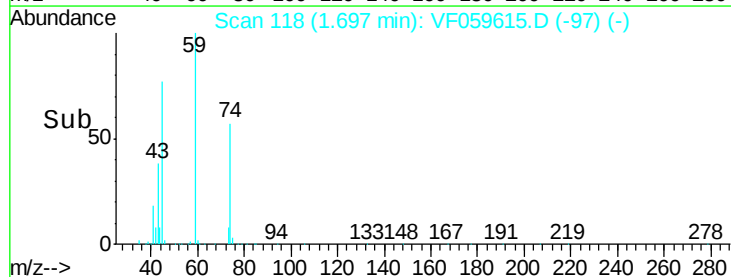
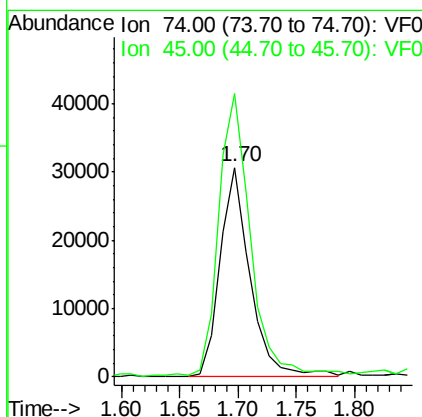
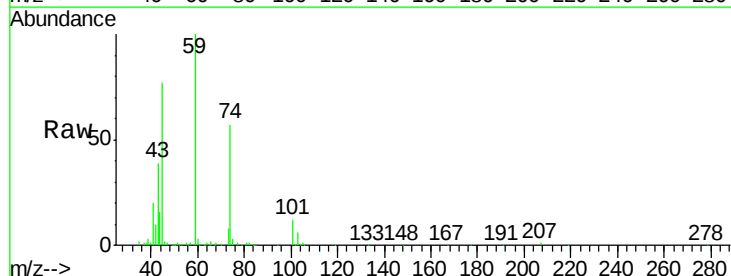
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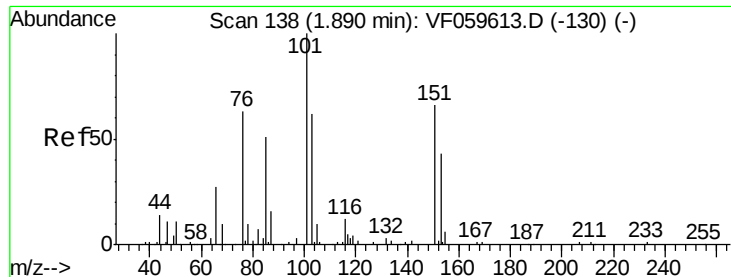


#8

Diethyl Ether
Concen: 82.98 ug/l
RT: 1.70 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion: 74 Resp: 54813
Ion Ratio Lower Upper
74 100
45 135.0 72.0 215.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 84.21 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

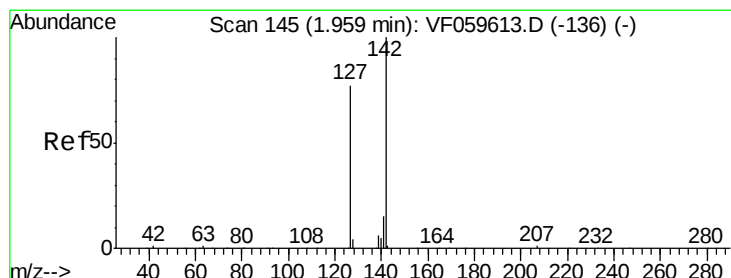
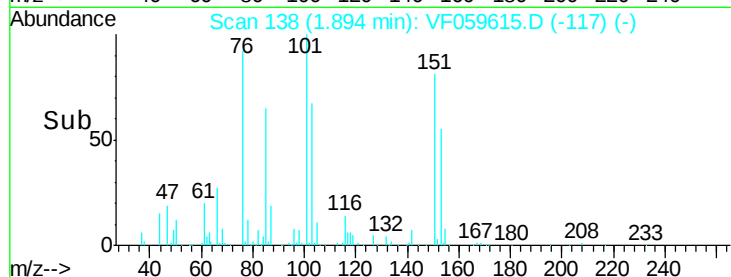
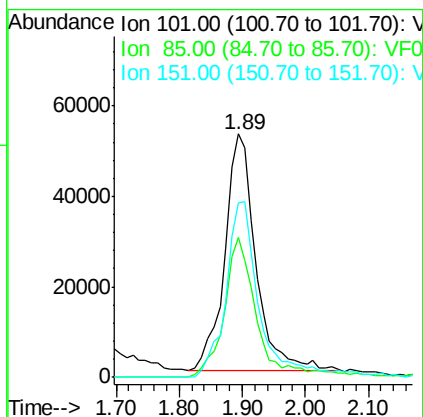
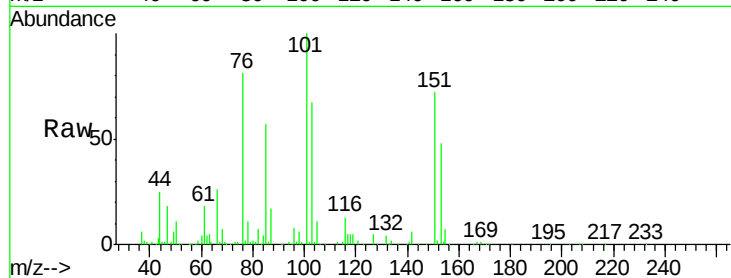
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	176706
Ion Ratio	Lower	Upper	
101	100		
85	57.3	40.2	60.2
151	71.6	51.4	77.2

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#10

Methyl Iodide

Concen: 94.64 ug/l

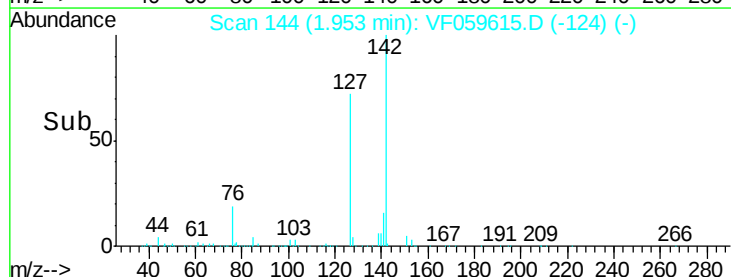
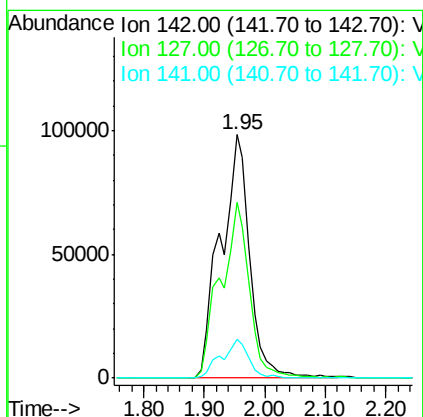
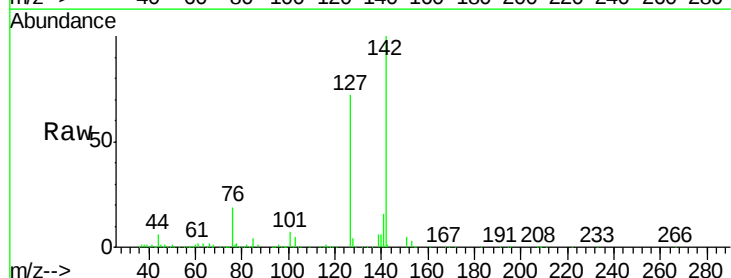
RT: 1.95 min Scan# 144

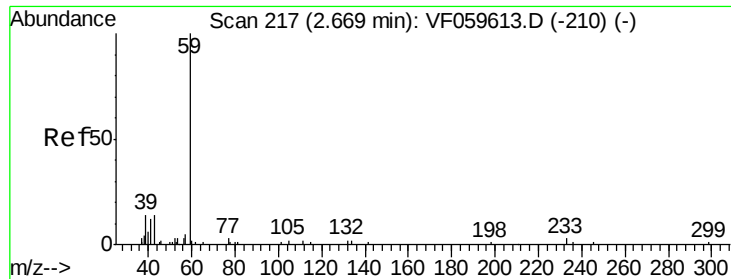
Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Tgt Ion:	142	Resp:	329943
Ion Ratio	Lower	Upper	
142	100		
127	72.2	61.2	91.8
141	15.7	12.0	18.0





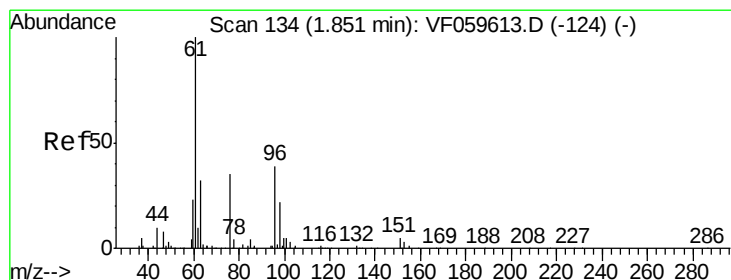
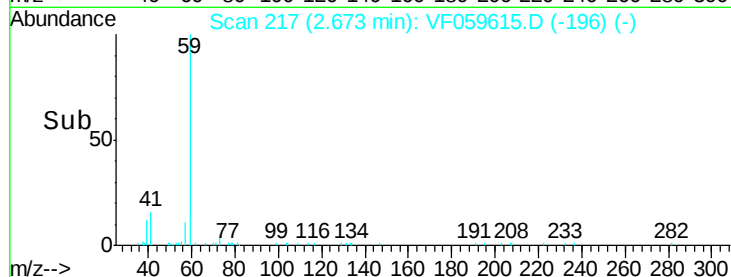
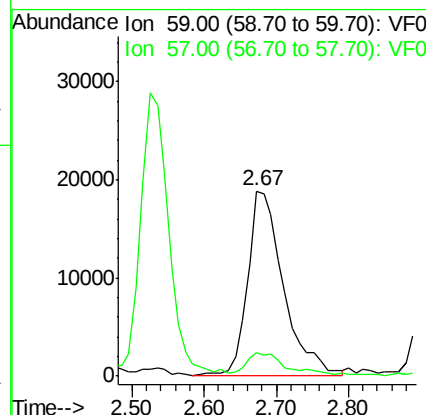
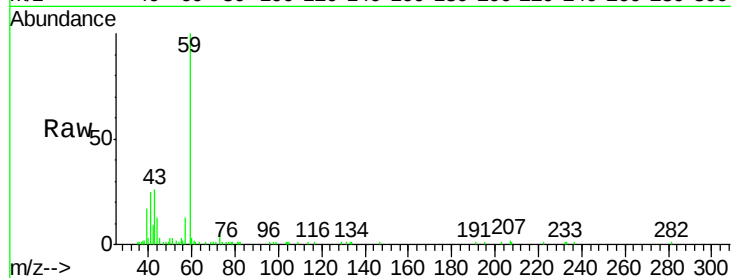
#11
Tert butyl alcohol
Concen: 397.67 ug/l
RT: 2.67 min Scan# 217
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.6	8.6	12.8

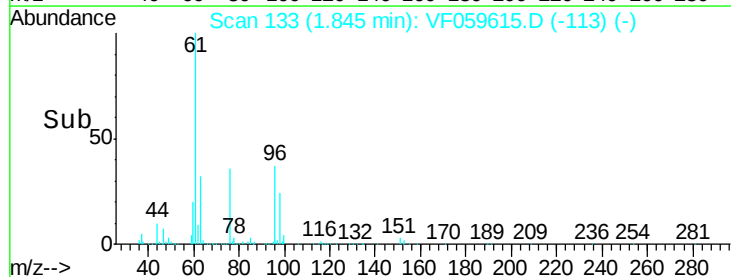
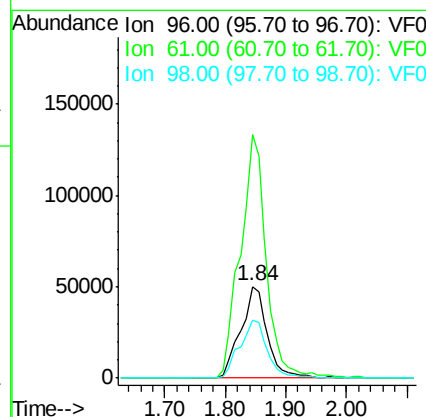
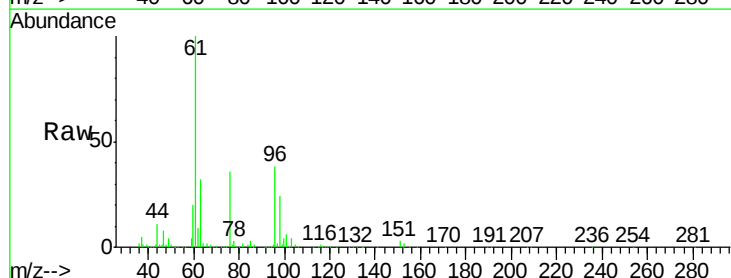
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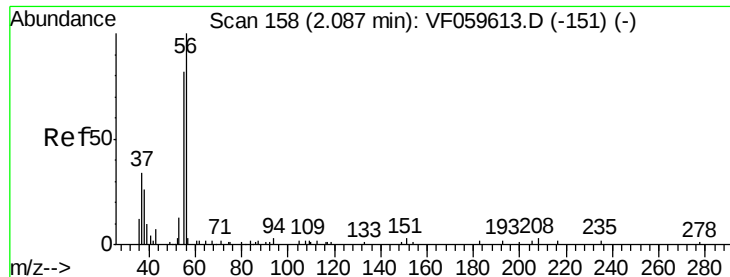
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#12
1,1-Dichloroethene
Concen: 87.18 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	265.9	207.2	310.8
98	62.7	45.5	68.3





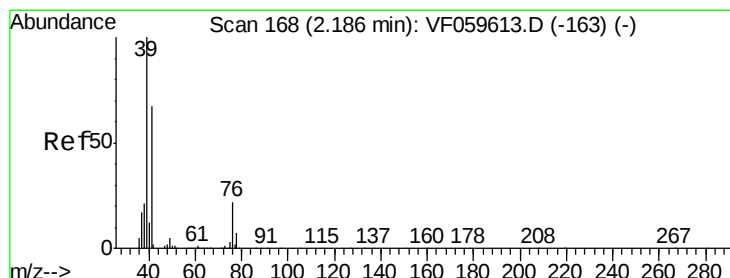
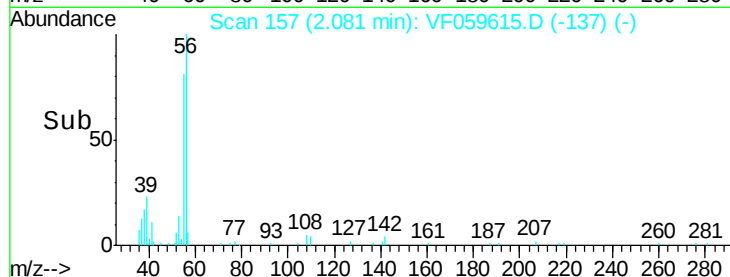
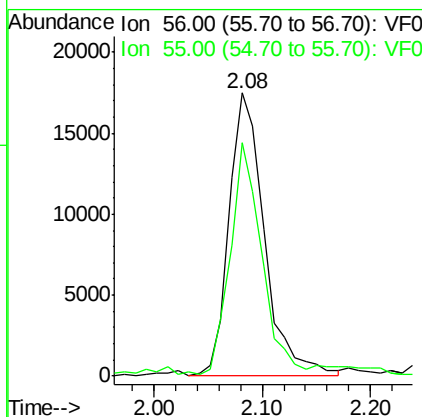
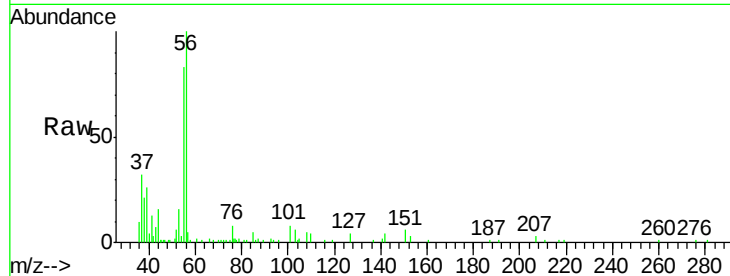
#13
Acrolein
Concen: 563.48 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	82.7	65.6	98.4

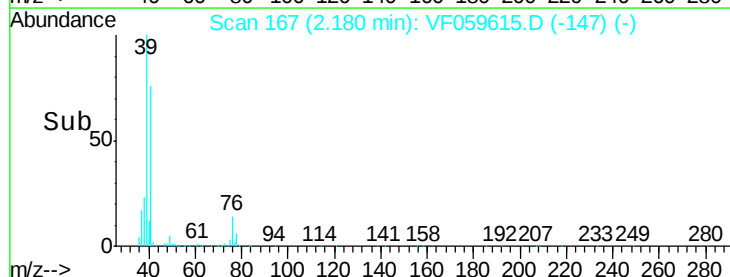
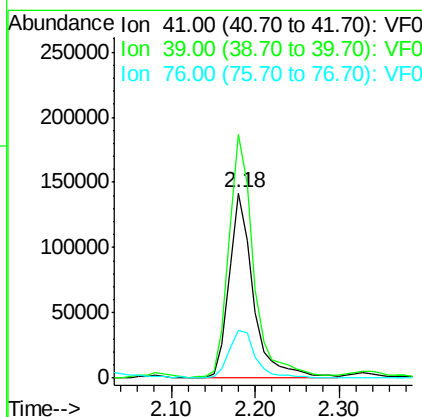
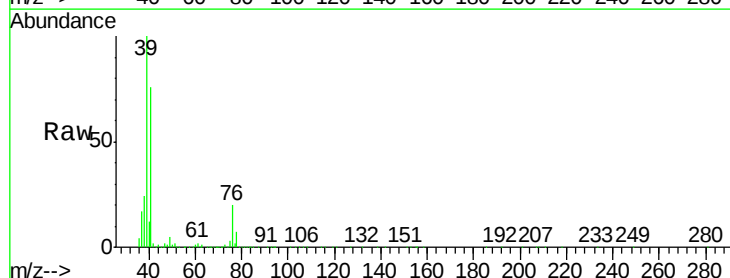
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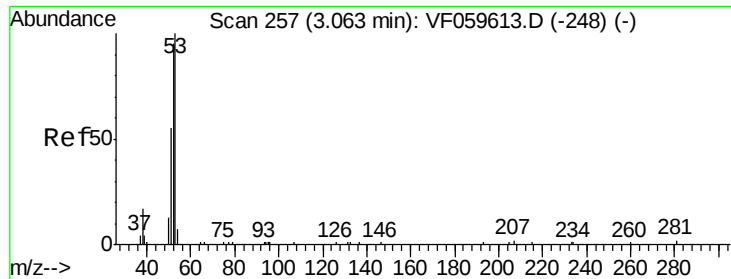
apatel
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#14
Allyl chloride
Concen: 97.85 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
41	100		
39	131.8	119.0	178.4
76	26.1	26.3	39.5#





#15

Acrylonitrile

Concen: 398.98 ug/l

RT: 3.07 min Scan# 257

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

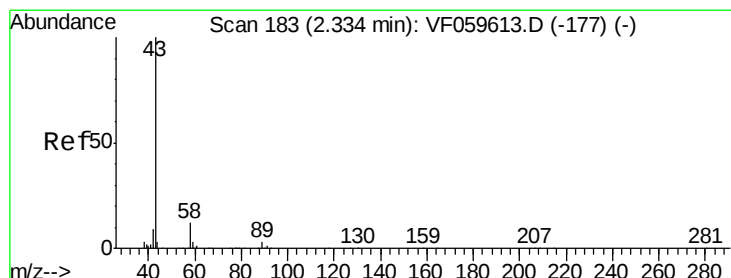
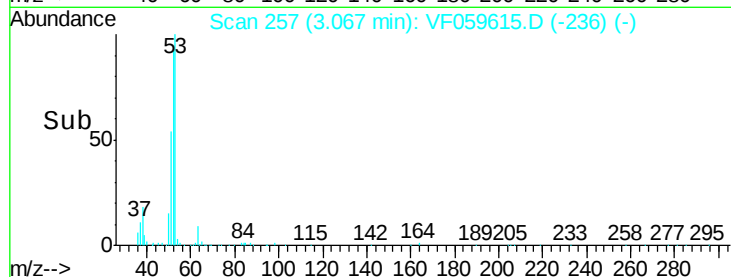
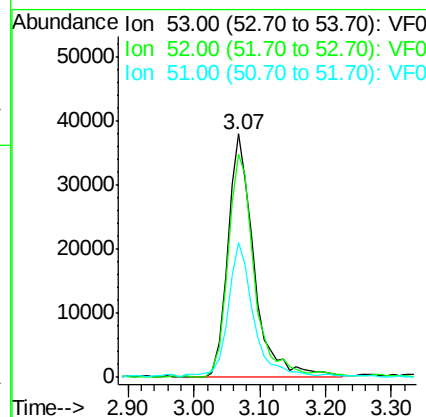
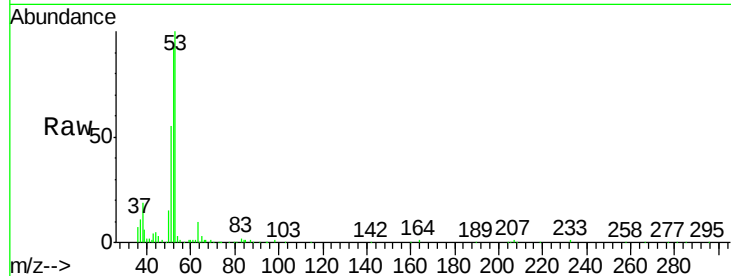
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	105818
Ion	Ratio	Lower	Upper
53	100		
52	91.8	76.2	114.2
51	55.2	45.8	68.8

Manual Integrations
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#16

Acetone

Concen: 398.54 ug/l

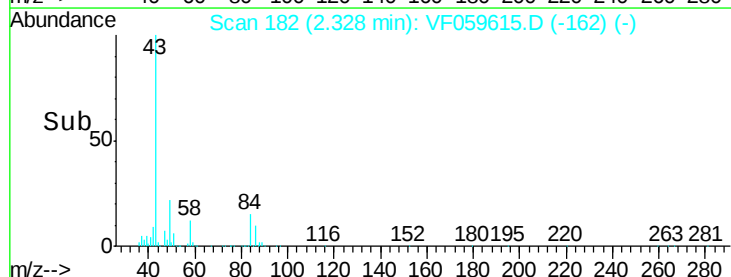
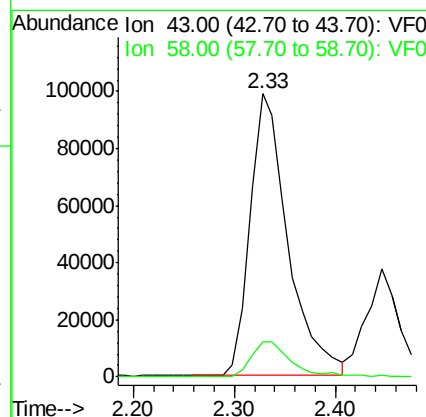
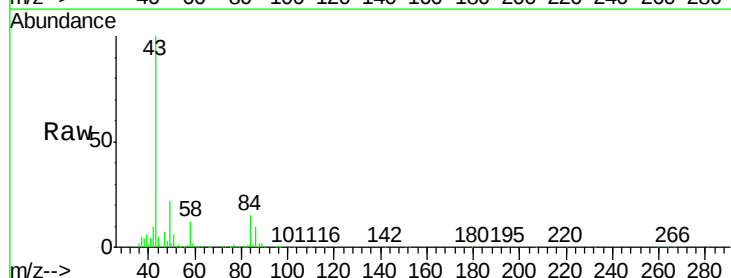
RT: 2.33 min Scan# 182

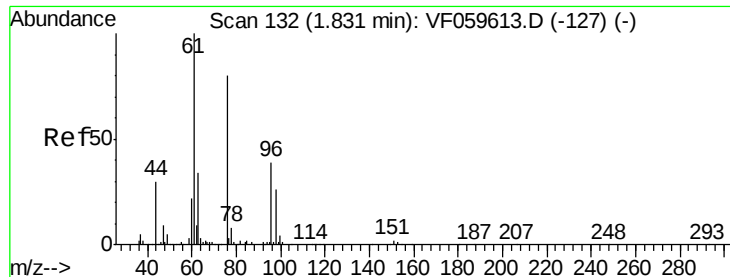
Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Tgt Ion:	43	Resp:	258600
Ion	Ratio	Lower	Upper
43	100		
58	12.3	9.8	14.8





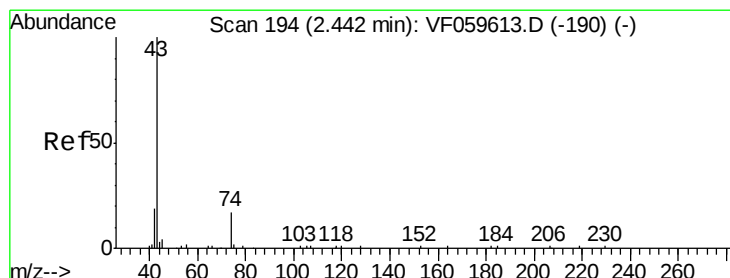
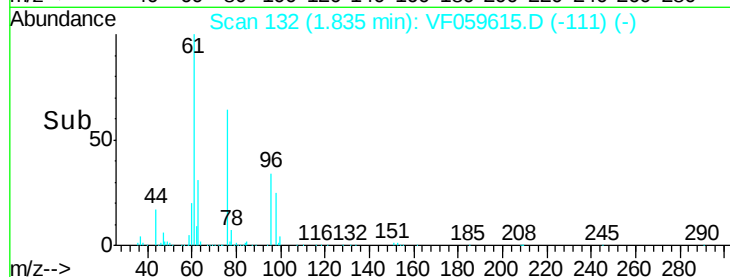
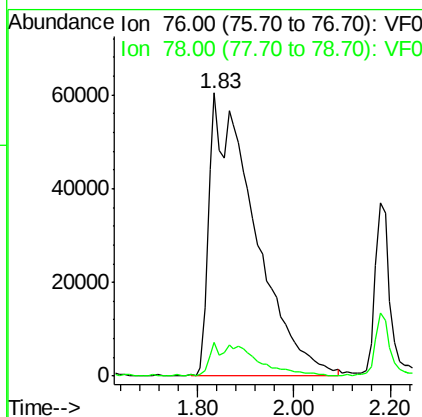
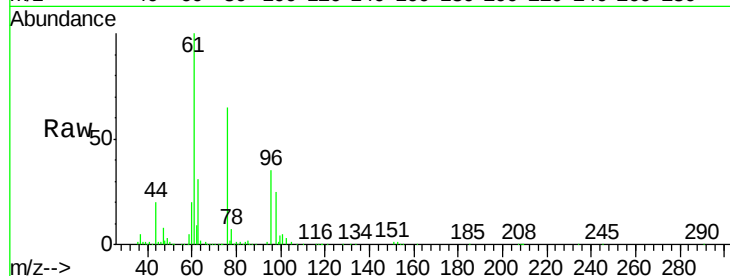
#17
Carbon Disulfide
Concen: 87.35 ug/l m
RT: 1.83 min Scan# 132
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.4	7.7	11.5

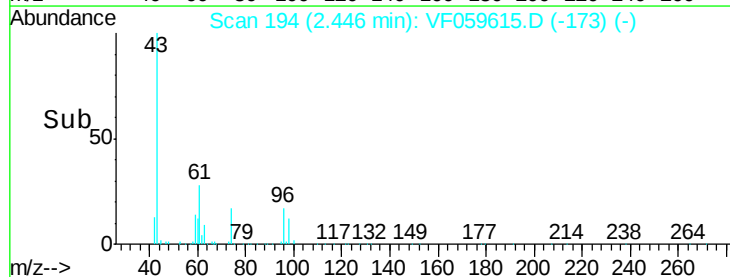
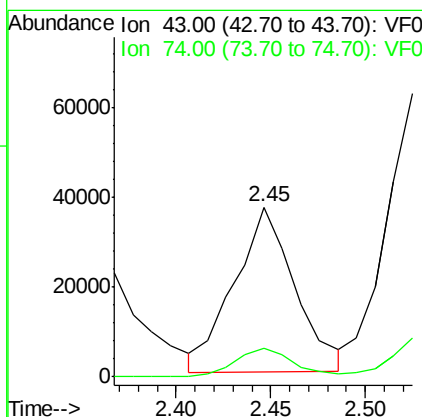
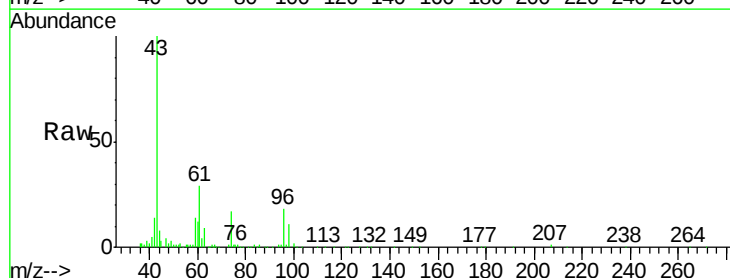
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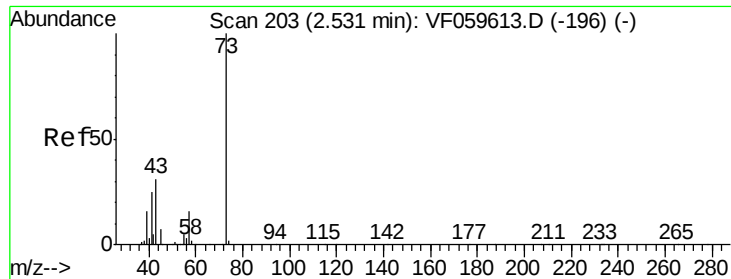
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#18
Methyl Acetate
Concen: 66.57 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.6	11.4	17.0





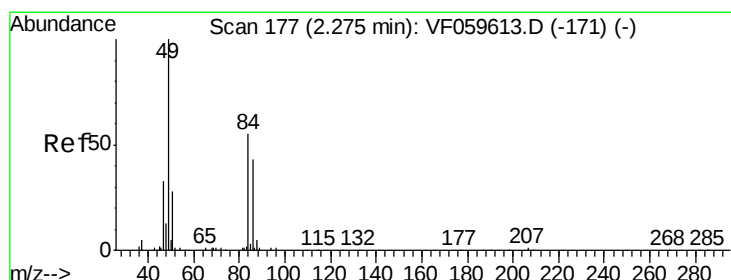
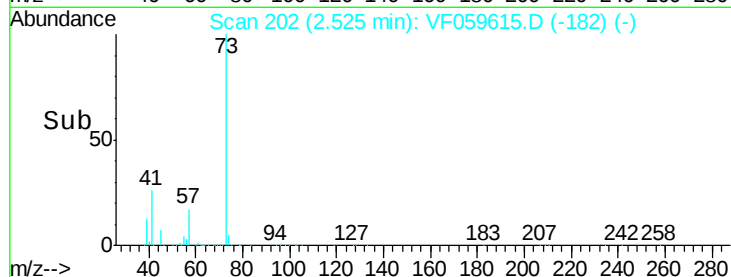
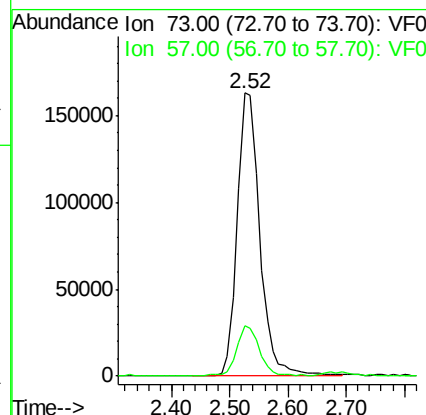
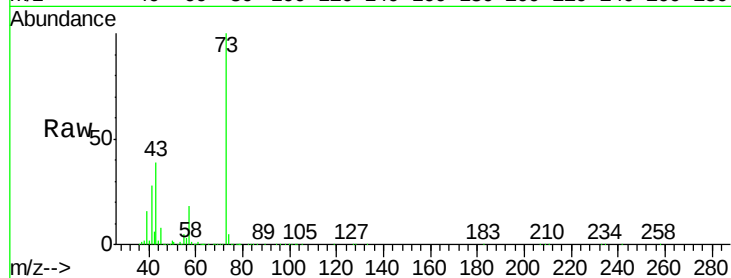
#19
Methvl tert-butvl Ether
Concen: 85.37 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 442304
Ion Ratio Lower Upper
73 100
57 17.7 13.2 19.8

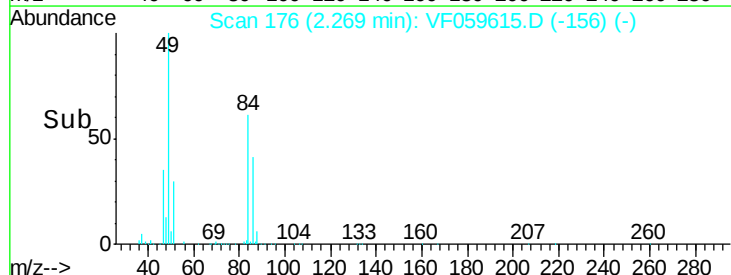
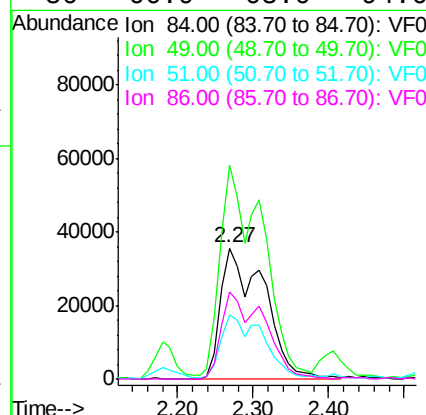
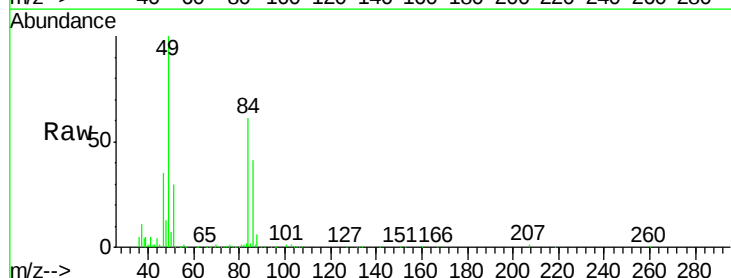
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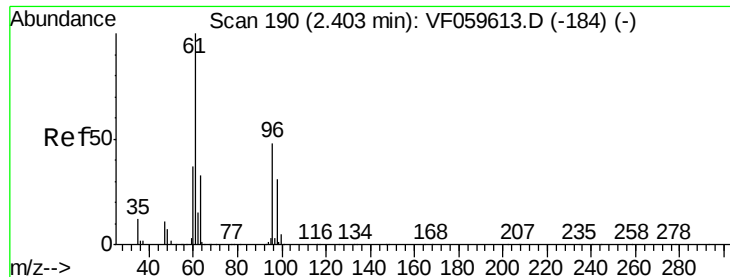
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#20
Methylene Chloride
Concen: 71.47 ug/l m
RT: 2.27 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion: 84 Resp: 141362
Ion Ratio Lower Upper
84 100
49 163.2 148.6 222.8
51 49.1 42.7 64.1
86 66.9 63.0 94.6





#21

trans-1,2-Dichloroethene

Concen: 87.68 ug/l

RT: 2.41 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

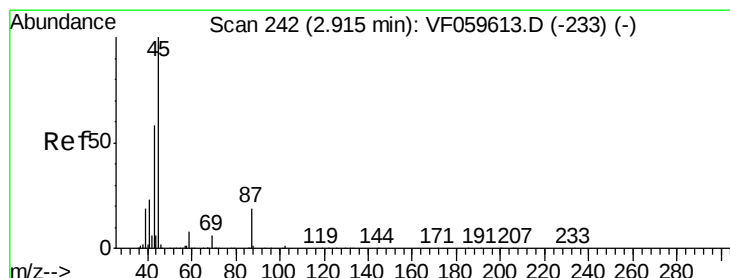
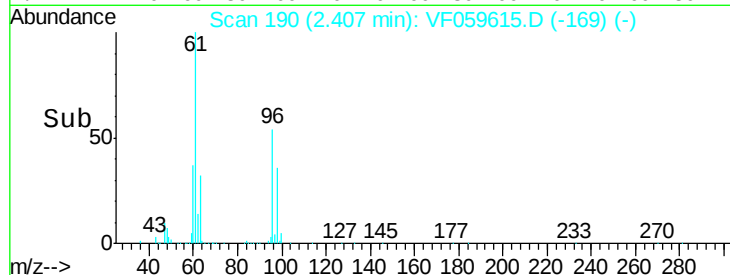
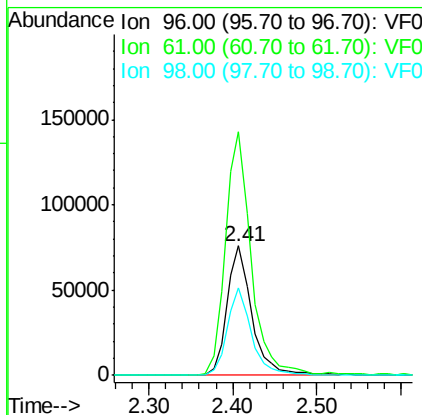
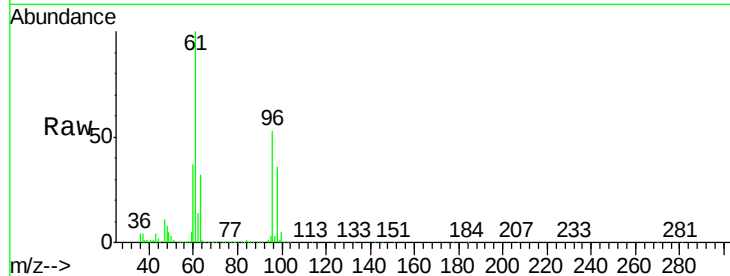
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	155345
Ion	Ratio	Lower	Upper
96	100		
61	188.0	167.0	250.6
98	67.9	51.8	77.8

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#22

Diisopropyl ether

Concen: 88.68 ug/l

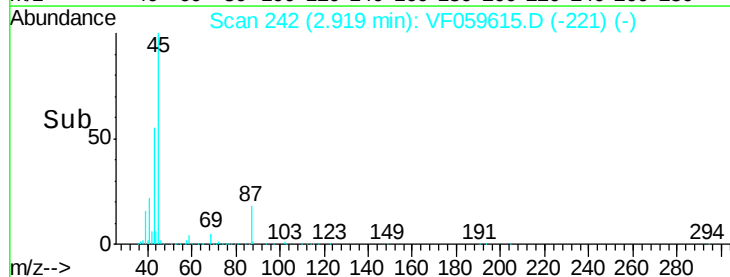
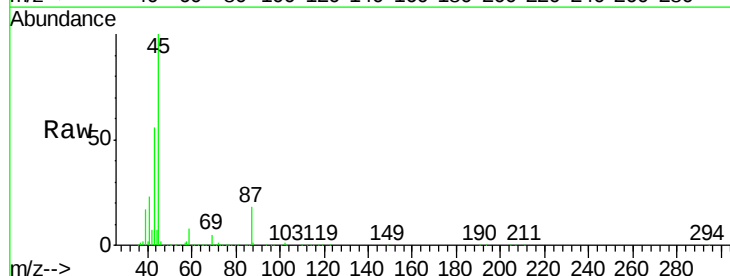
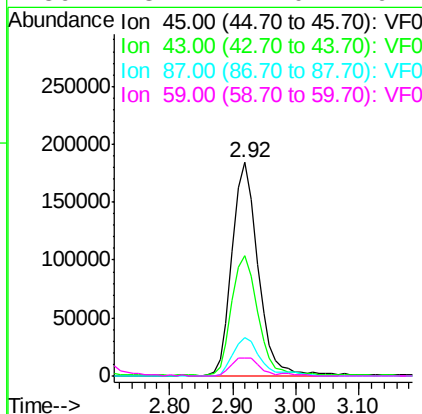
RT: 2.92 min Scan# 242

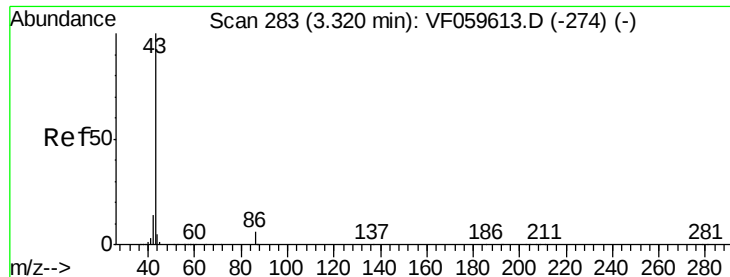
Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Tgt Ion:	45	Resp:	526963
Ion	Ratio	Lower	Upper
45	100		
43	56.5	46.7	70.1
87	18.1	15.0	22.6
59	8.4	7.0	10.4





#23

Vinyl Acetate

Concen: 422.41 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 1302816

Ion Ratio Lower Upper

43 100

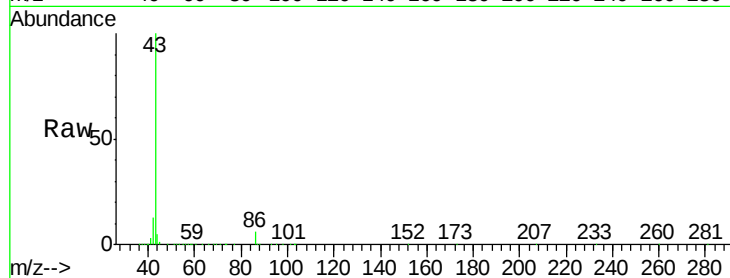
86 6.5 4.6 6.8

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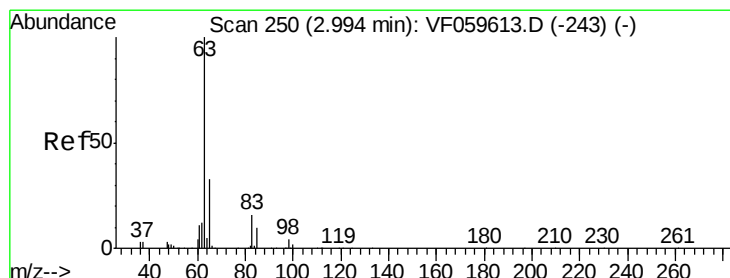
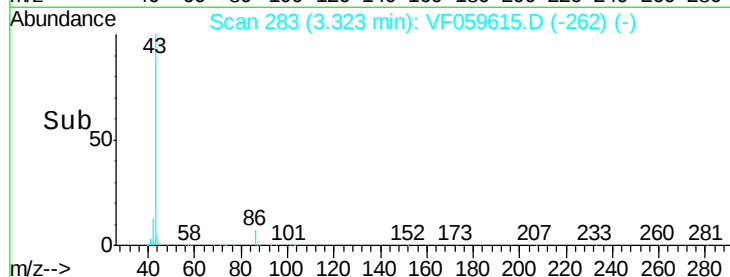
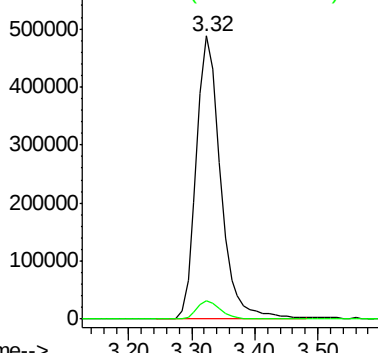
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 88.68 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

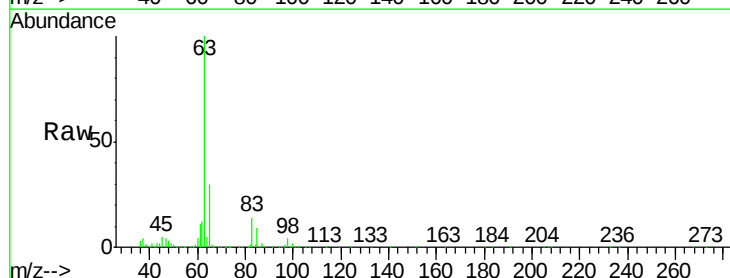
Tgt Ion: 63 Resp: 358623

Ion Ratio Lower Upper

63 100

98 3.7 1.9 5.7

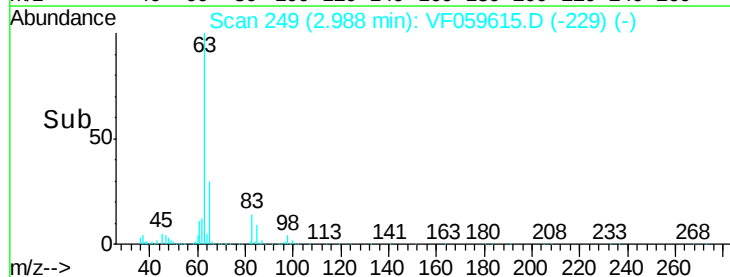
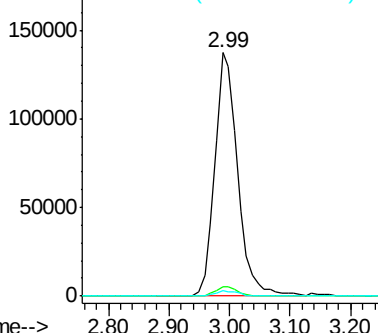
100 2.2 1.2 3.6

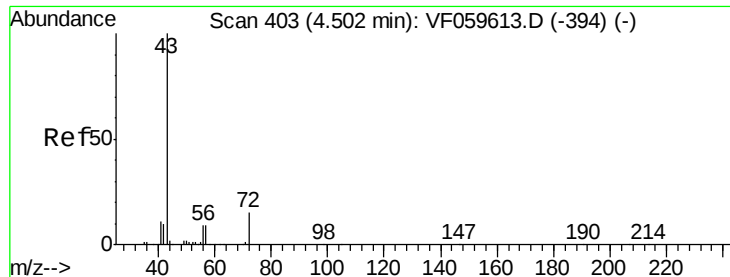


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 396.55 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 288414

Ion Ratio Lower Upper

43 100

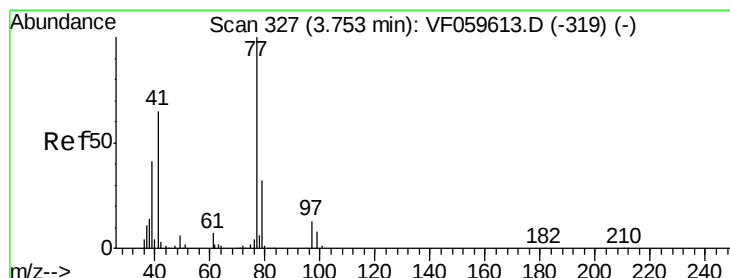
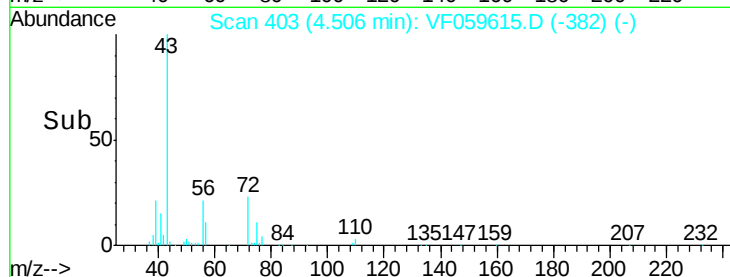
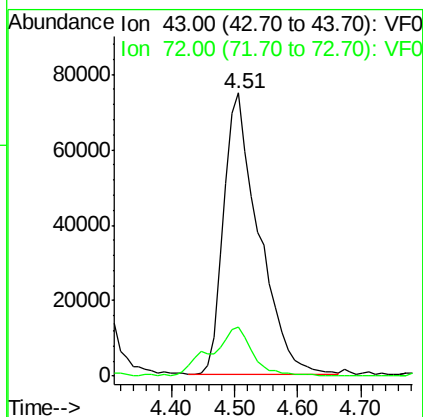
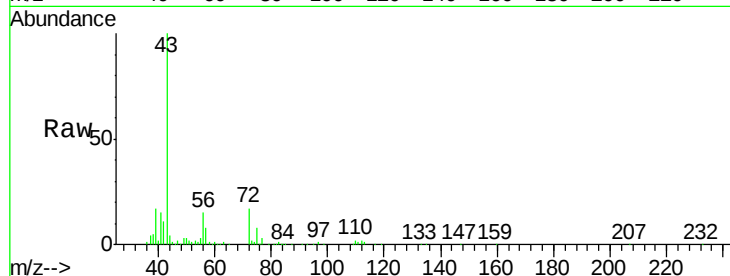
72 17.4 12.9 19.3

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#26

2,2-Dichloropropane

Concen: 90.86 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059615.D

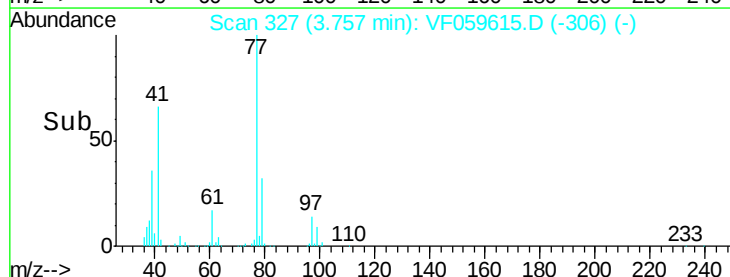
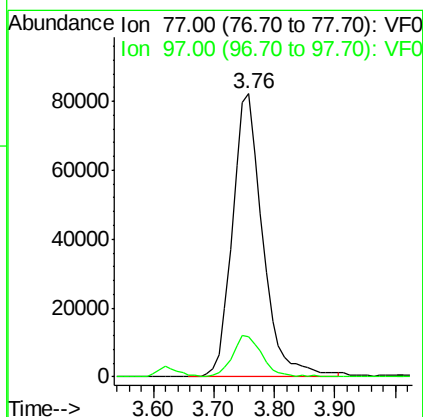
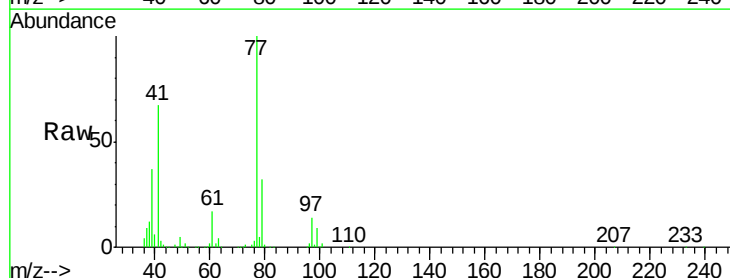
Acq: 23 Jul 2018 15:14

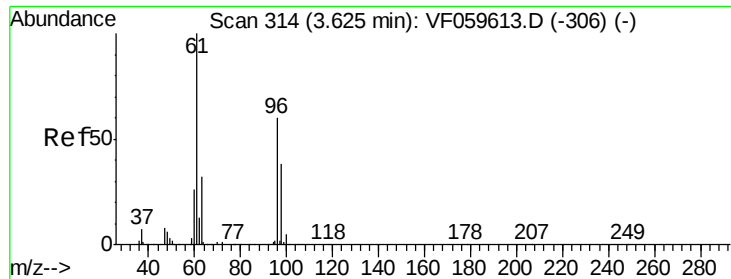
Tgt Ion: 77 Resp: 286267

Ion Ratio Lower Upper

77 100

97 14.2 7.1 21.3





#27

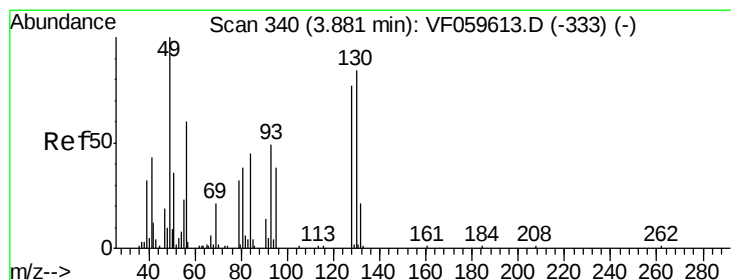
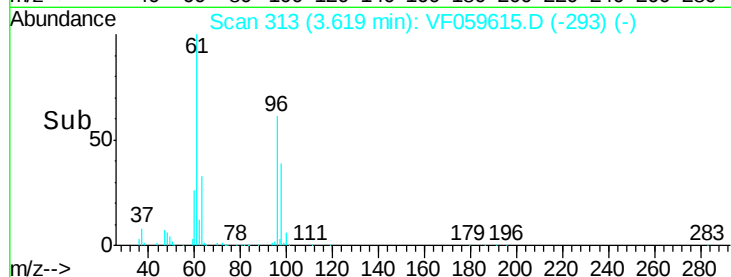
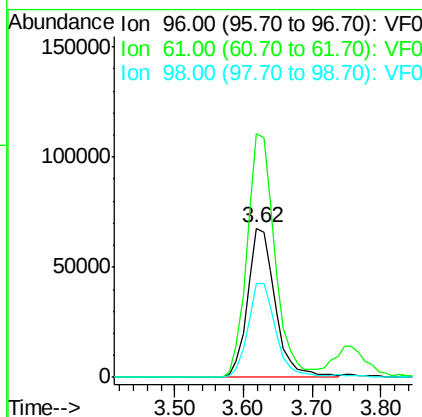
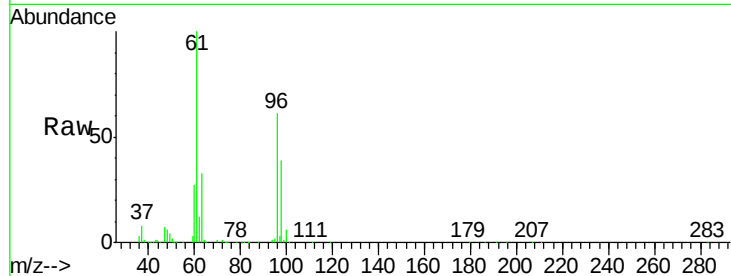
cis-1,2-Dichloroethene
Concen: 94.71 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	188431		
61	163.2	0.0	335.2	
98	63.3	0.0	126.6	

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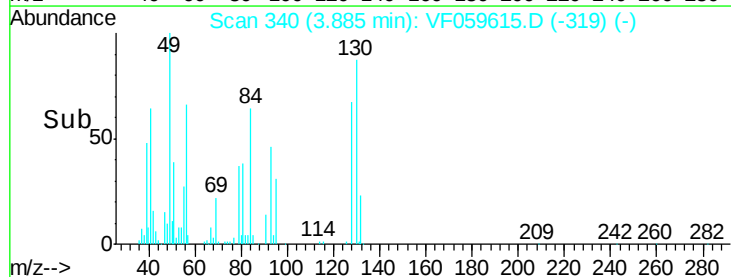
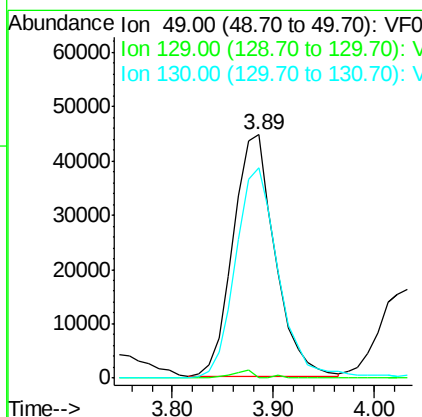
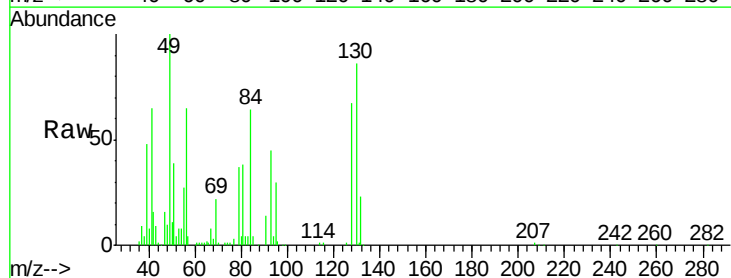
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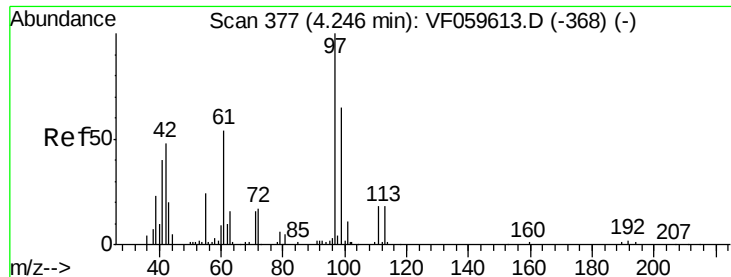


#28

Bromochloromethane
Concen: 82.27 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	129091		
129	0.0	0.0	4.6	
130	86.2	67.1	100.7	





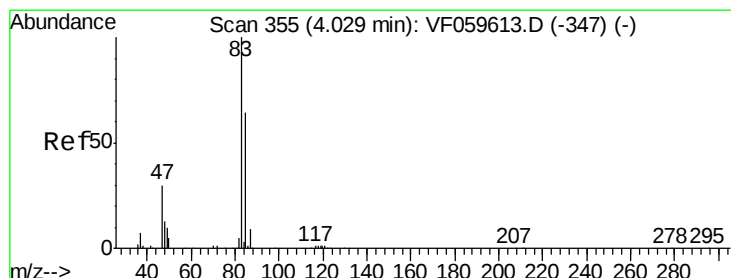
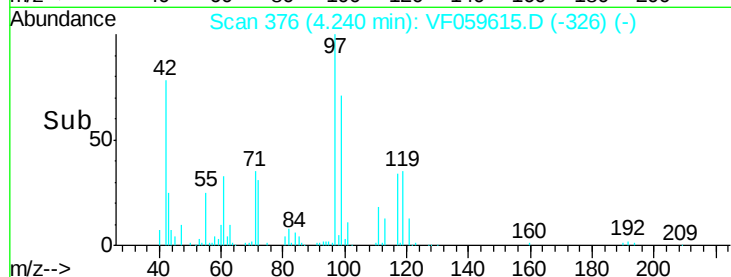
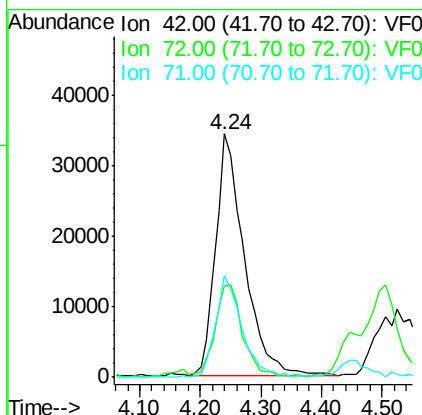
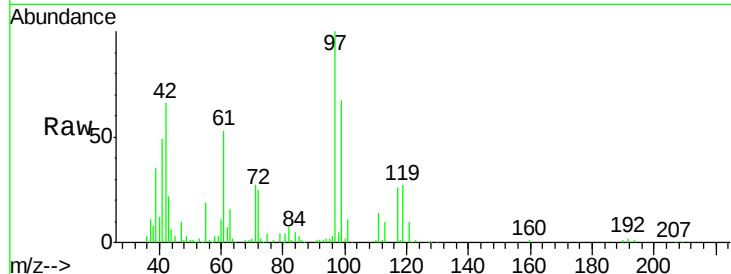
#29
Tetrahydrofuran
Concen: 369.55 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	37.1		27.9	41.9
71	38.5		29.3	43.9

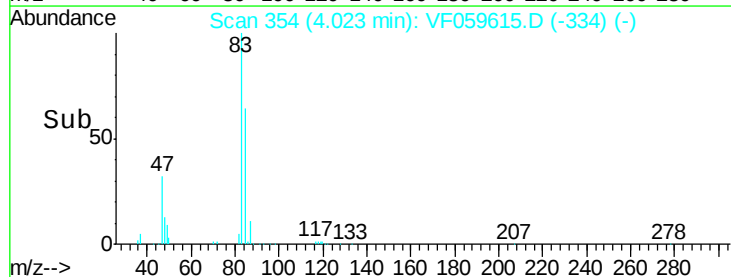
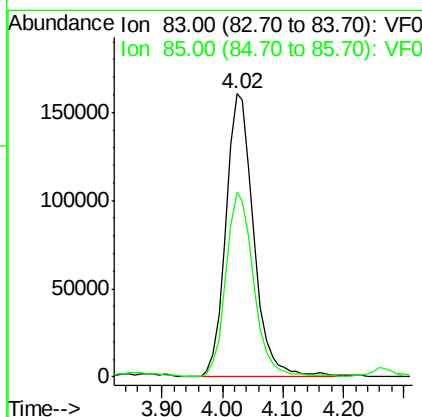
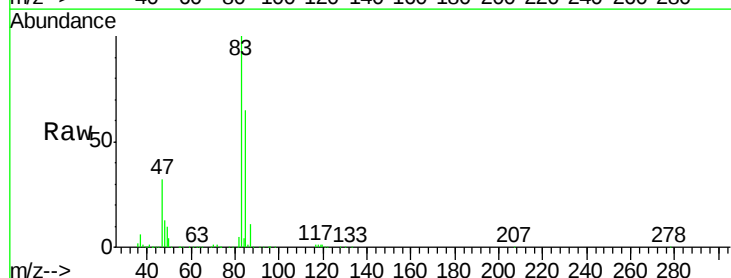
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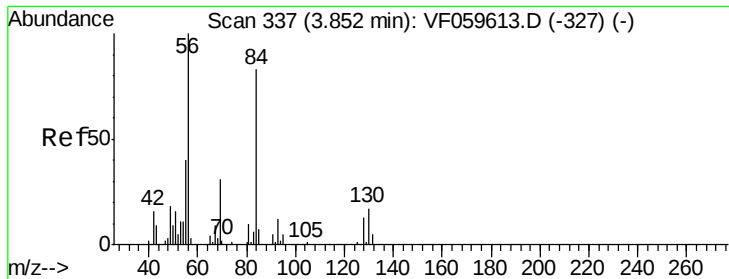
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#30
Chloroform
Concen: 90.80 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.1		51.1	76.7





#31

Cyclohexane

Concen: 89.85 ug/l

RT: 3.86 min Scan# 337

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

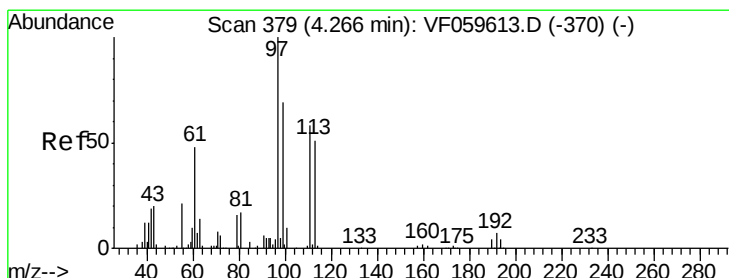
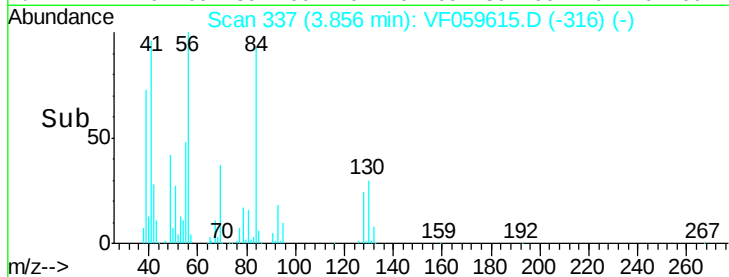
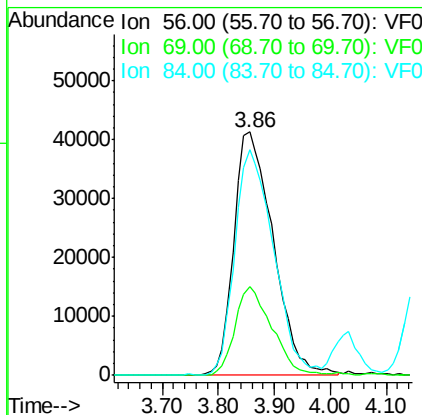
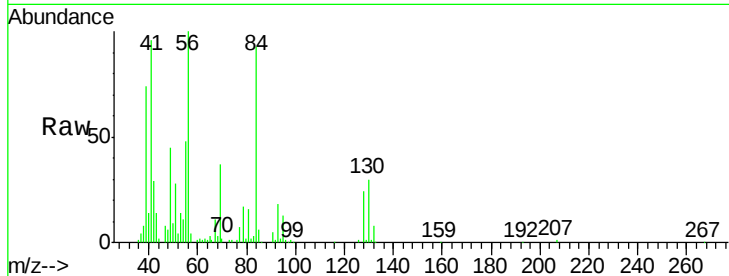
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	201158
Ion Ratio		Lower	Upper
56	100		
69	36.5	24.6	37.0
84	92.7	66.6	99.8

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#32

1,1,1-Trichloroethane

Concen: 93.27 ug/l

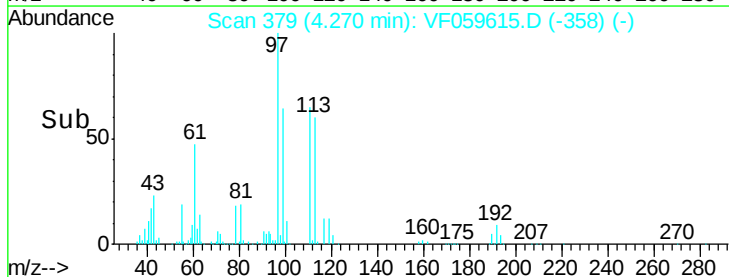
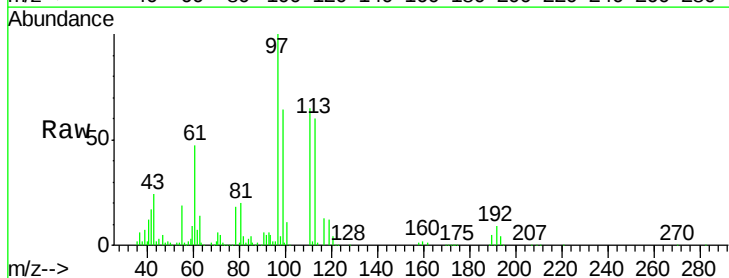
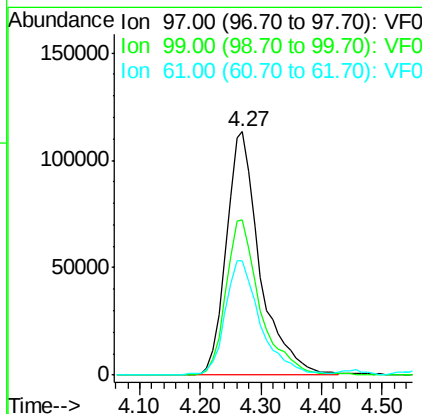
RT: 4.27 min Scan# 379

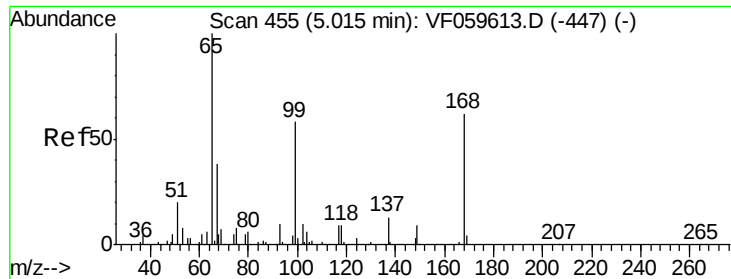
Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Tgt Ion:	97	Resp:	437630
Ion Ratio		Lower	Upper
97	100		
99	63.6	55.4	83.2
61	47.0	39.3	58.9





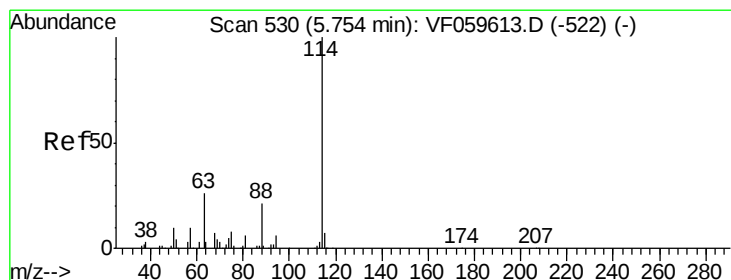
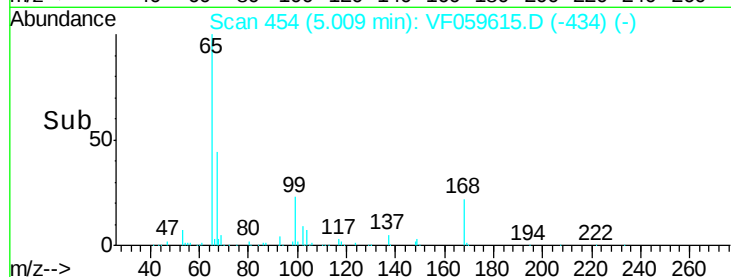
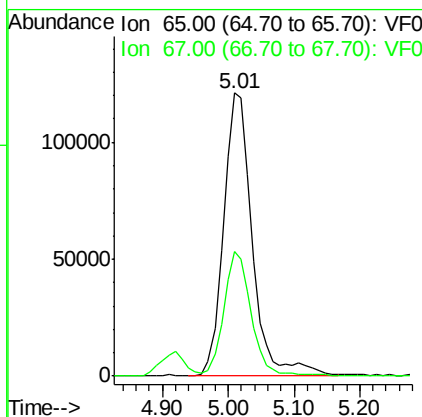
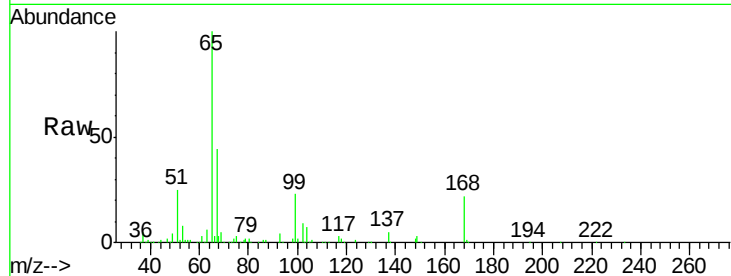
#33
 1,2-Dichloroethane-d4
 Concen: 97.63 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	365408		
67	44.1	0.0	83.8	

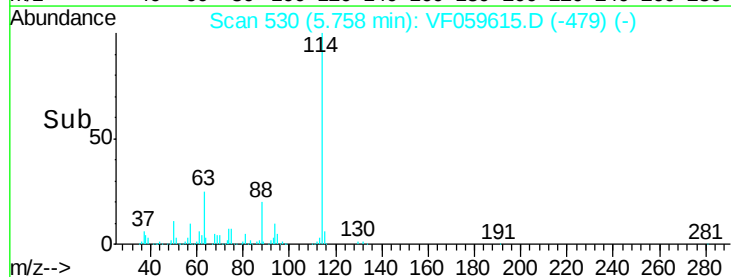
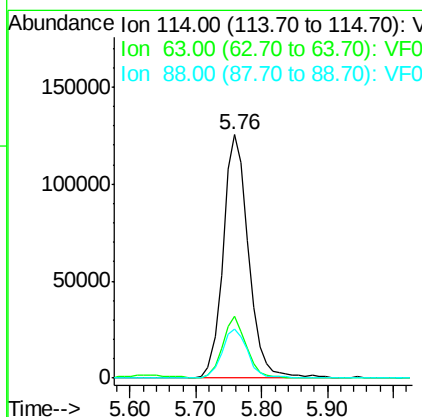
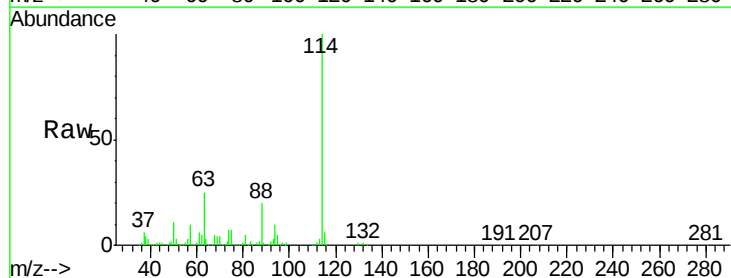
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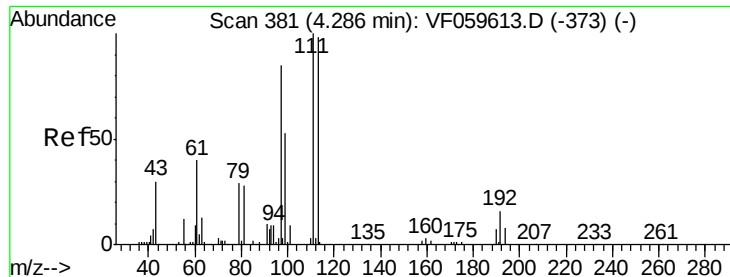
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	338098		
63	25.5	0.0	51.8	
88	19.9	0.0	42.8	





#35

Dibromofluoromethane

Concen: 98.78 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059615.D

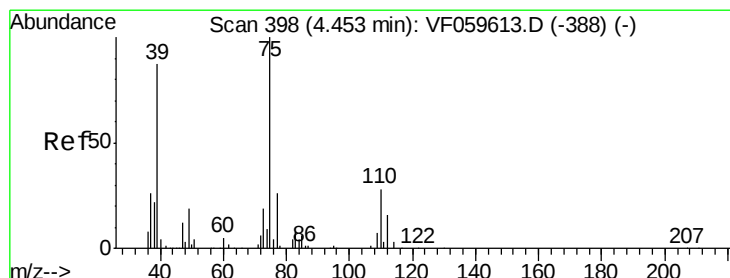
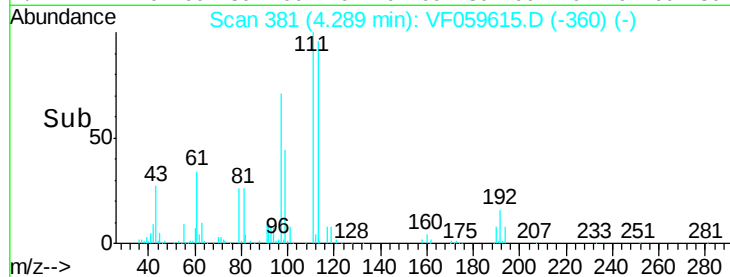
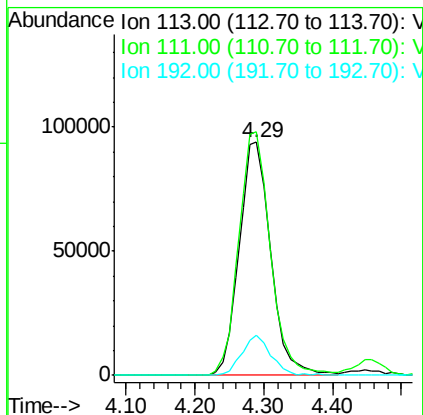
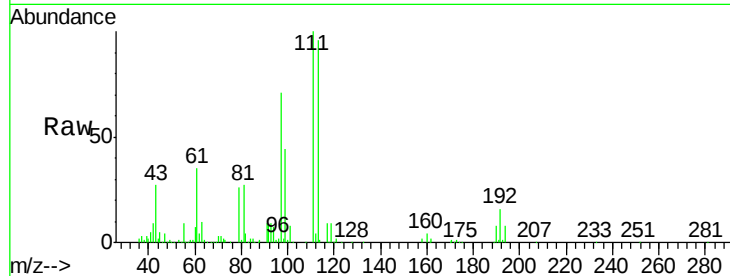
Acq: 23 Jul 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:	113	Resp:	299545
Ion Ratio	Lower	Upper	
113	100		
111	104.4	81.5	122.3
192	17.2	13.4	20.2

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#36

1,1-Dichloropropene

Concen: 92.57 ug/l

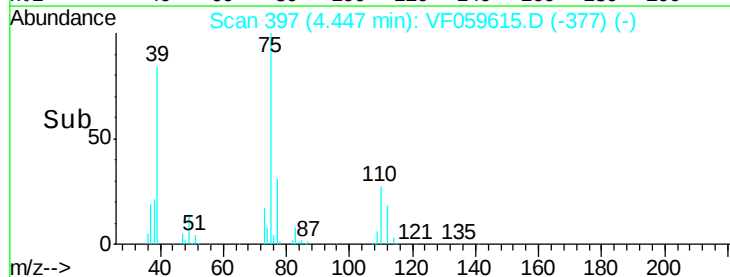
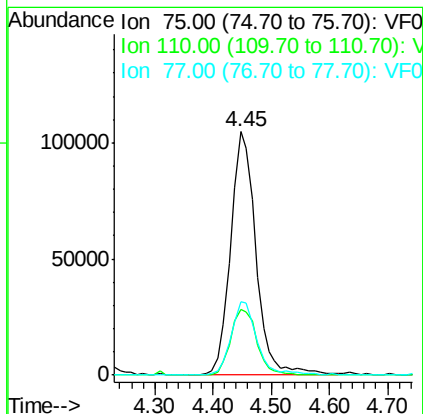
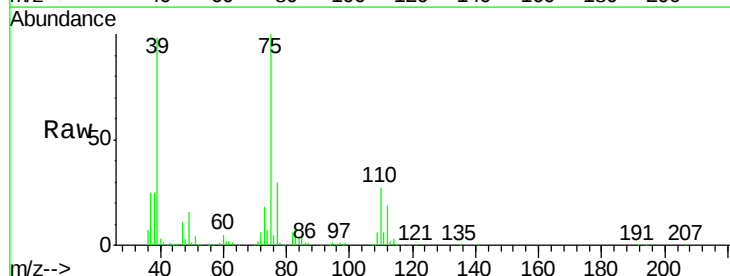
RT: 4.45 min Scan# 397

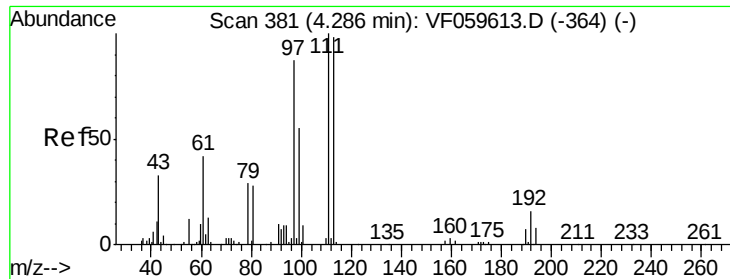
Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Tgt Ion:	75	Resp:	317510
Ion Ratio	Lower	Upper	
75	100		
110	26.8	14.2	42.6
77	30.4	20.3	30.5





#37

Ethyl Acetate

Concen: 78.55 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

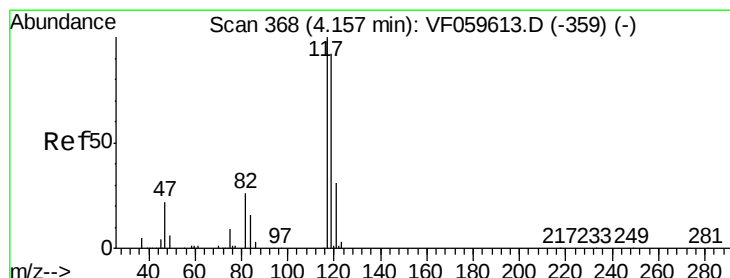
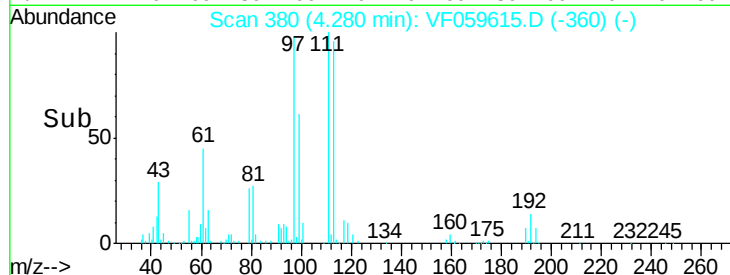
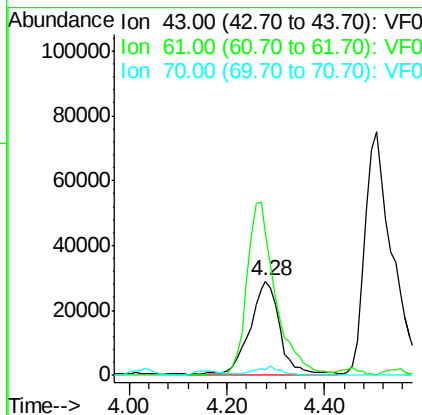
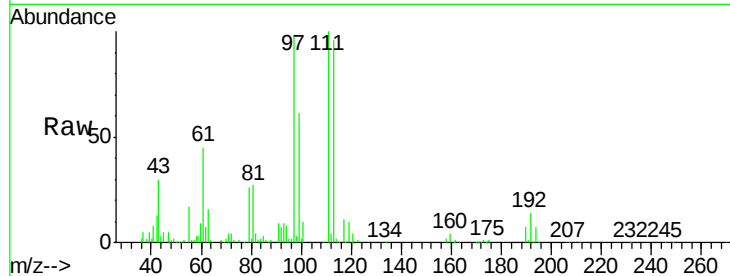
ClientSampleId :

VSTDIC100

Tot Ion	43	61	70	Ratio	Lower	Upper
120260	100	151.2	6.3			
		101.9	7.9			
		152.9	11.9			

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#38

Carbon Tetrachloride

Concen: 91.74 ug/l

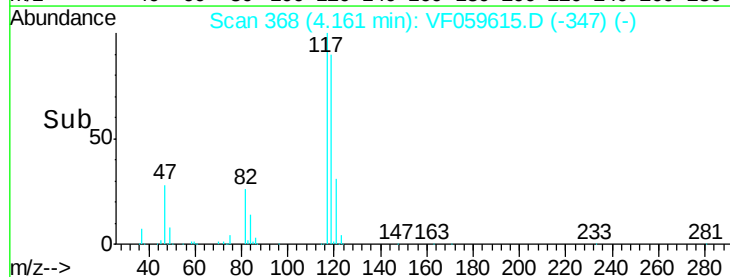
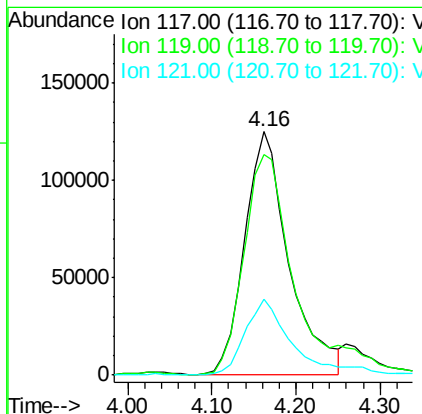
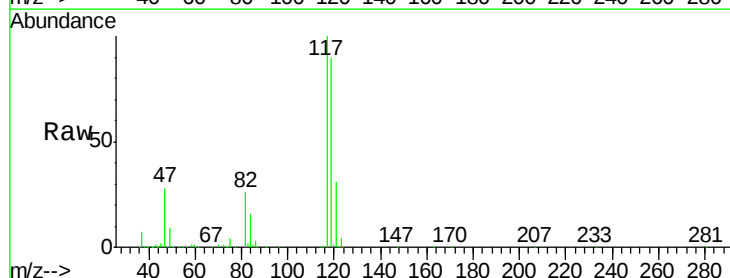
RT: 4.16 min Scan# 368

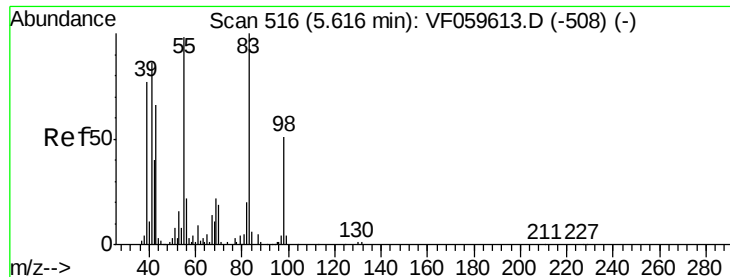
Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Tgt Ion	117	119	121	Ratio	Lower	Upper
460237	100	90.4	31.1			
		74.2	24.7			
		111.4	37.1			





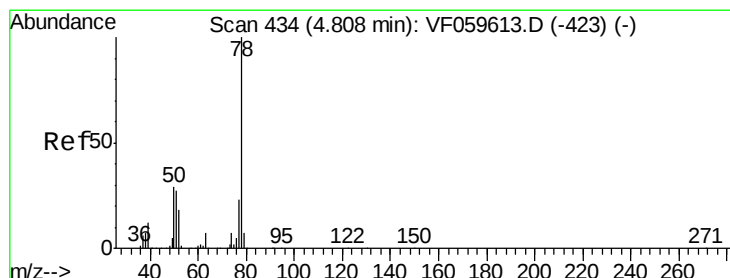
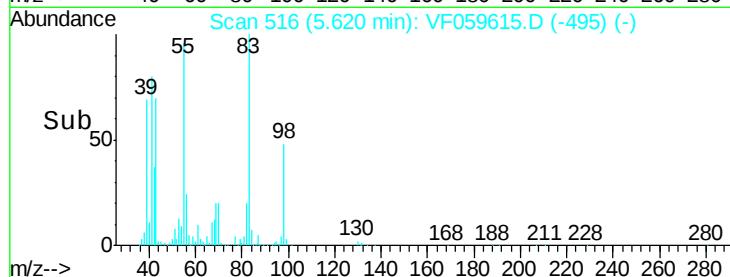
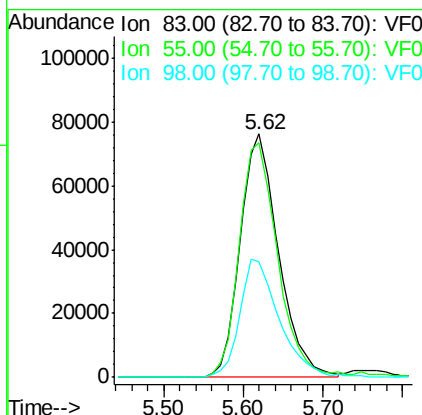
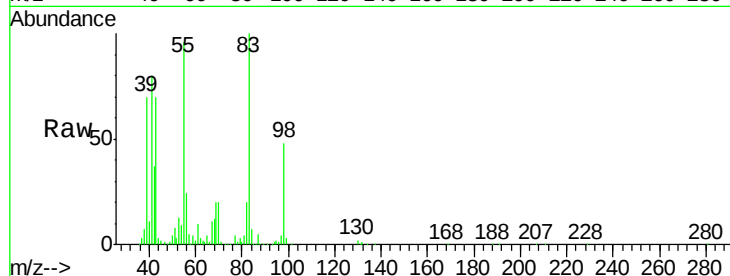
#39
Methvlcvclohexane
Concen: 93.12 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	96.3	78.5	117.7
98	47.5	41.1	61.7

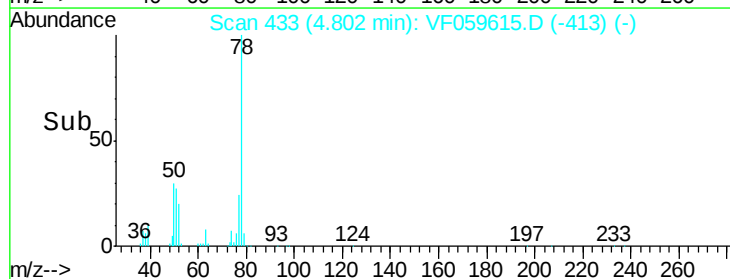
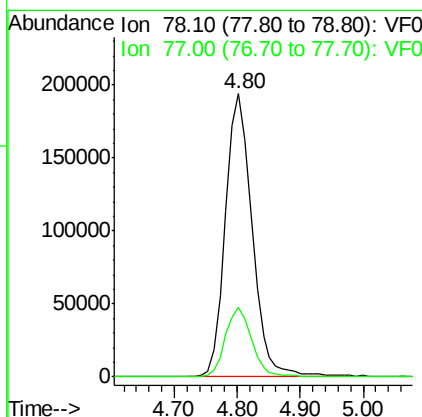
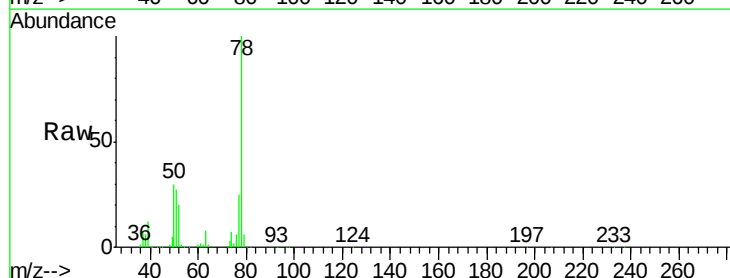
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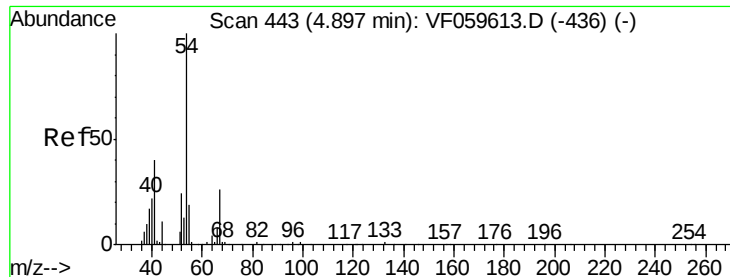
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#40
Benzene
Concen: 89.91 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.4	27.6





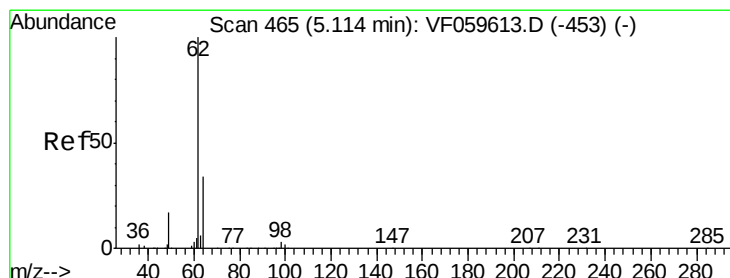
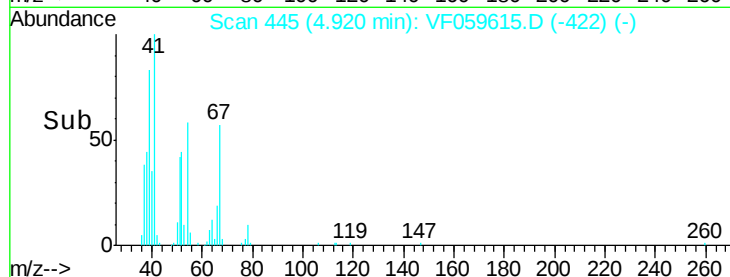
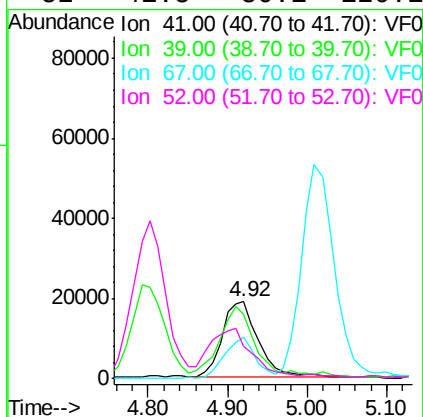
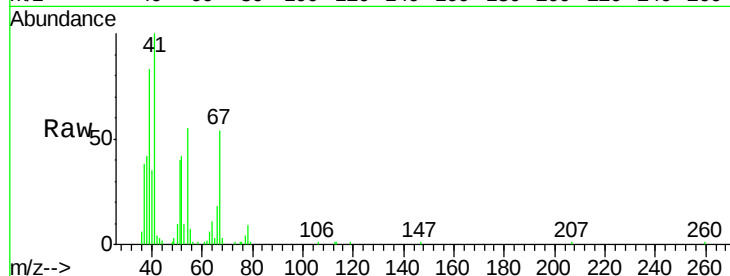
#41
Methacrylonitrile
Concen: 74.22 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.02 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	83.2	58.2	87.4
67	54.2	51.0	76.6
52	41.5	80.1	120.1#

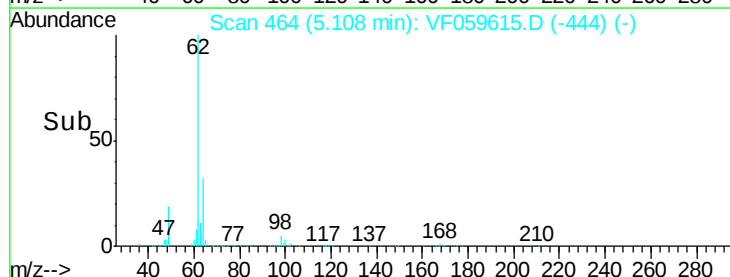
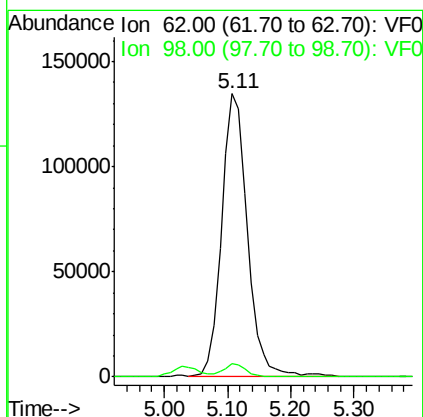
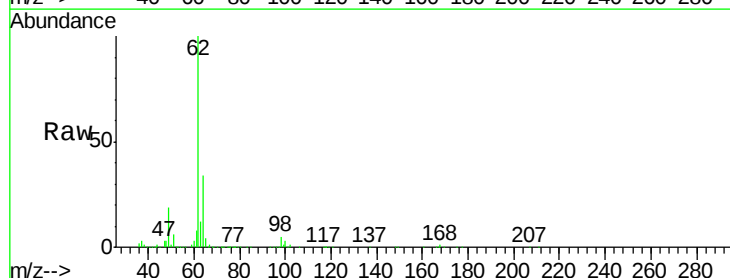
Manual Integrations
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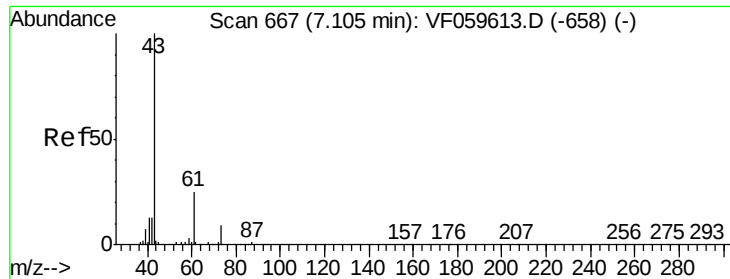
apatel
7/24/2018 1:13:43 PM



#42
1,2-Dichloroethane
Concen: 87.05 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	8.4





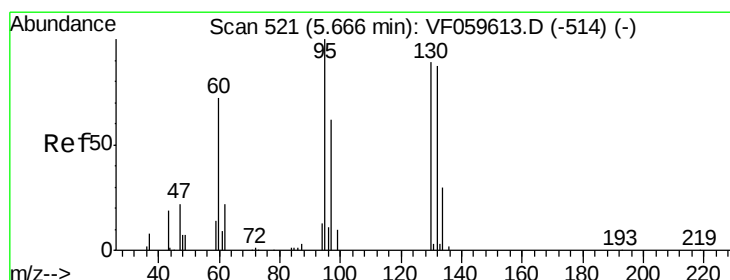
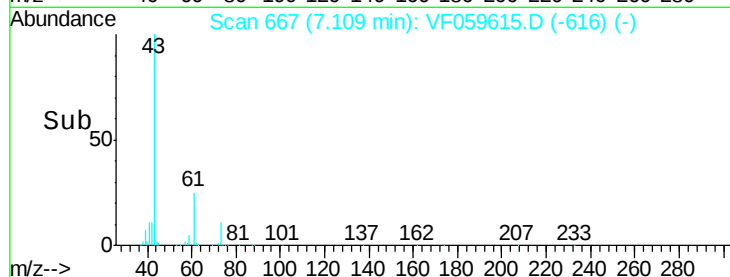
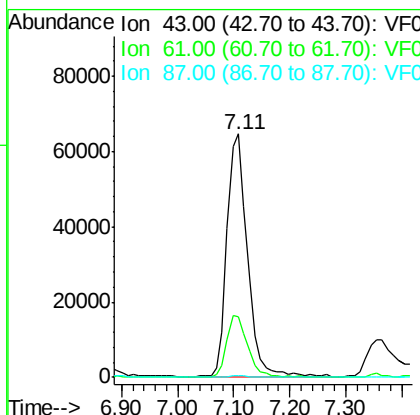
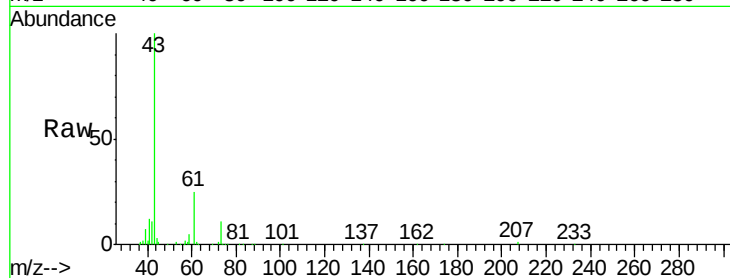
#43
Isopropyl Acetate
Concen: 83.00 ug/l
RT: 7.11 min Scan# 667
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.1	30.1
87	0.5	0.5	0.7

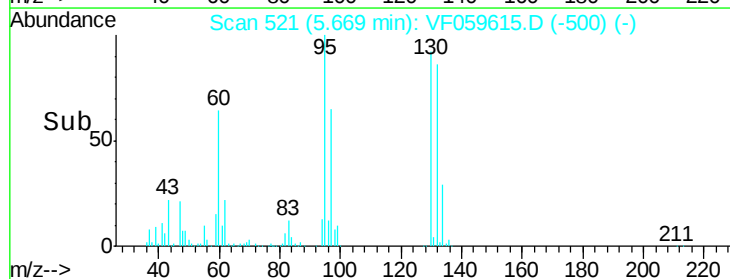
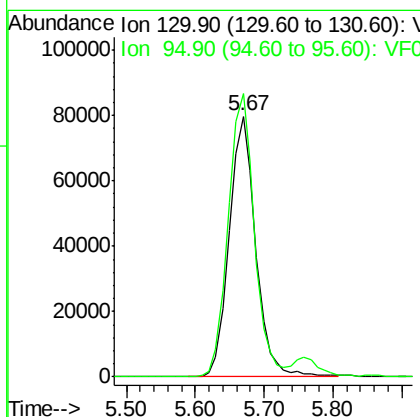
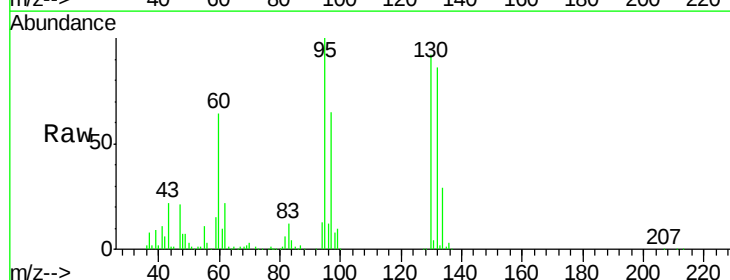
Manual Integrations
APPROVED

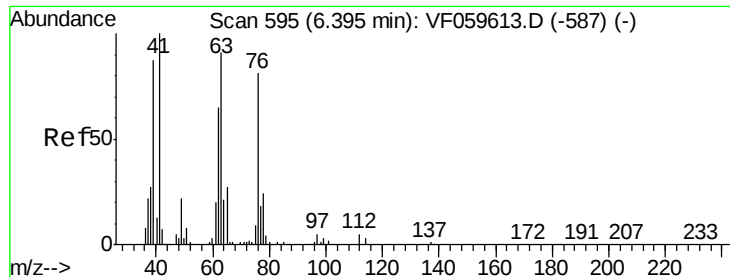
apatel
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#44
Trichloroethene
Concen: 87.24 ug/l
RT: 5.67 min Scan# 521
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.6	0.0	226.4





#45

1,2-Dichloropropane

Concen: 90.70 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 157452

Ion Ratio Lower Upper

63 100

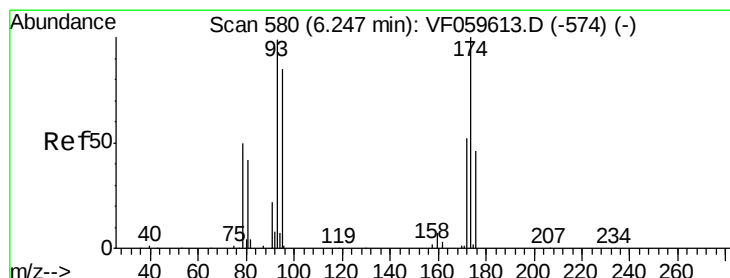
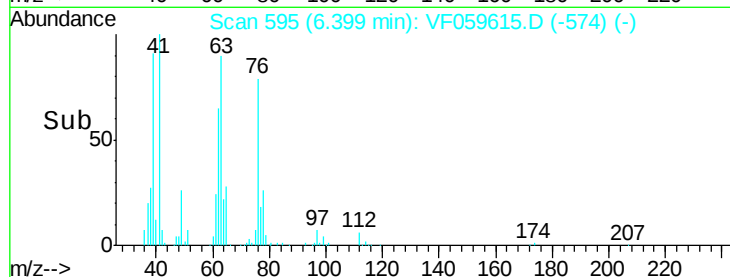
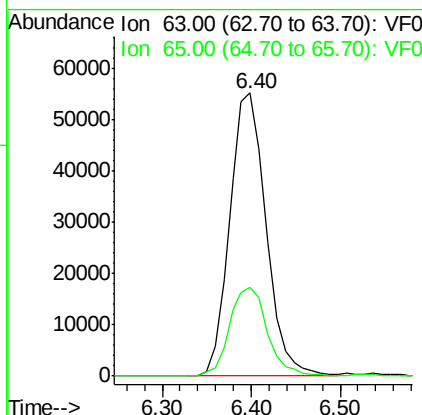
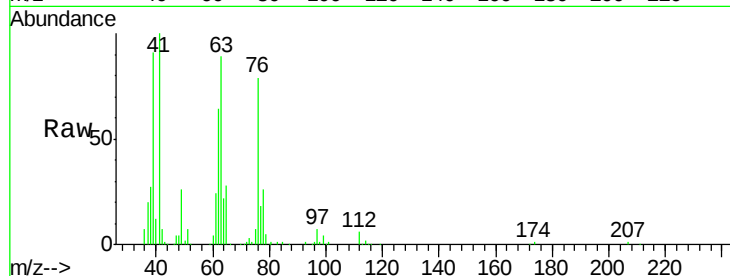
65 31.2 23.4 35.0

Manual Integrations

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#46

Dibromomethane

Concen: 86.88 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

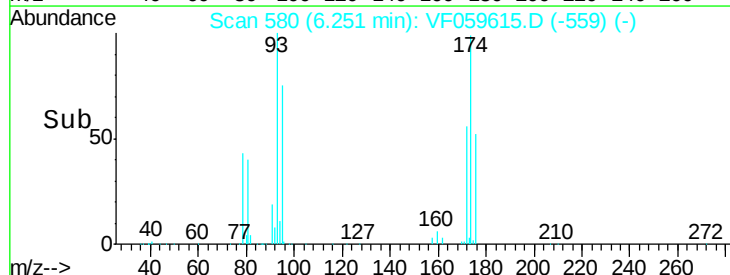
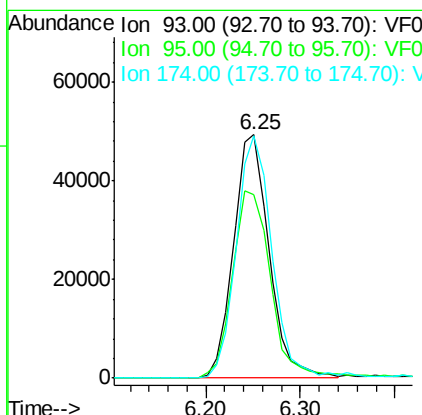
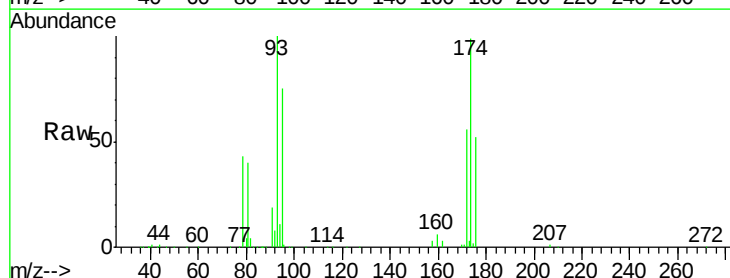
Tgt Ion: 93 Resp: 128835

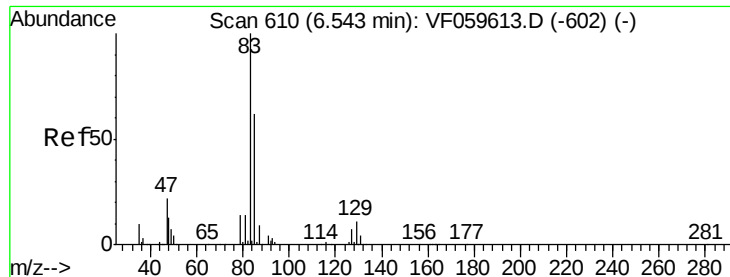
Ion Ratio Lower Upper

93 100

95 75.4 68.6 102.8

174 101.4 80.8 121.2





#47

Bromodichloromethane

Concen: 88.29 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

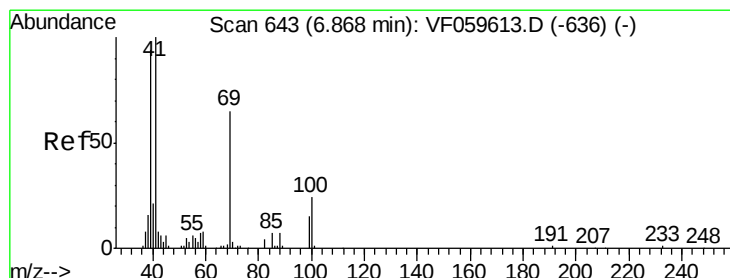
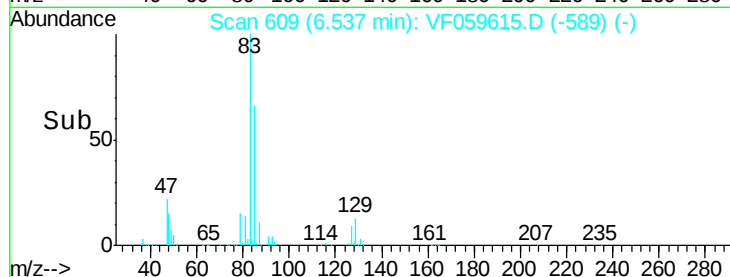
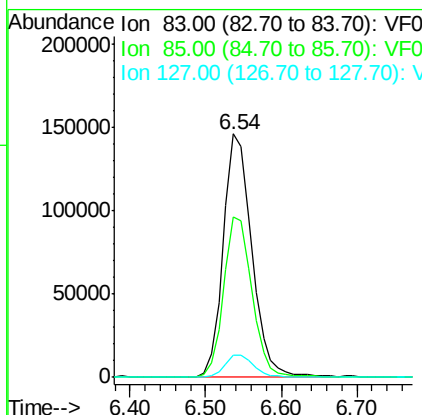
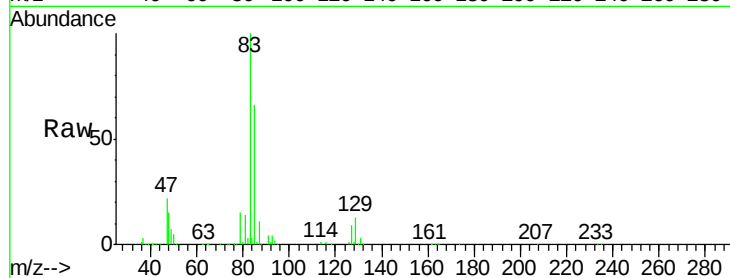
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	382597
Ion Ratio		Lower	Upper
83	100		
85	65.8	49.4	74.0
127	9.2	5.9	8.9#

Manual Integrations
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#48

Methyl methacrylate

Concen: 85.21 ug/l

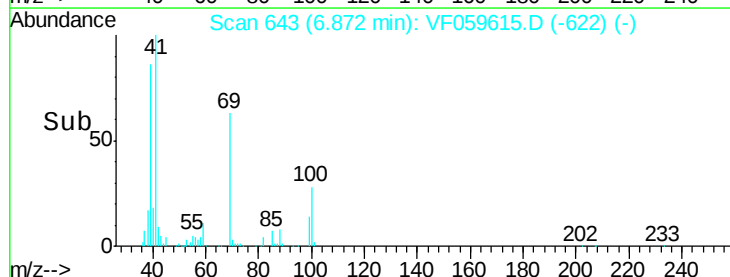
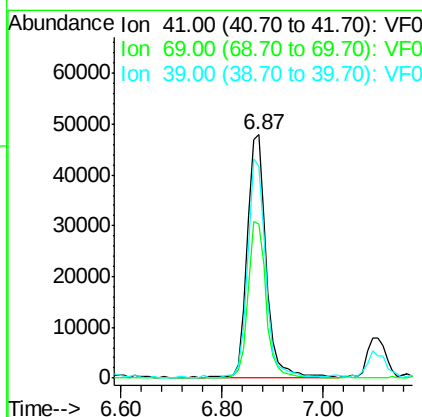
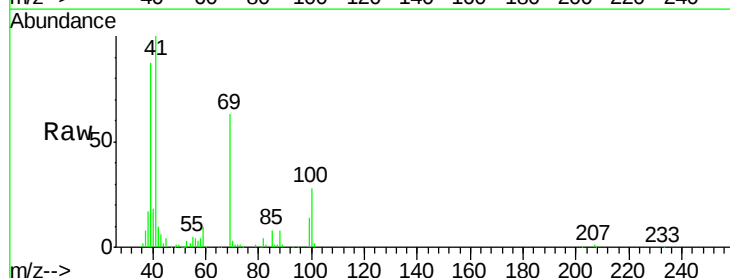
RT: 6.87 min Scan# 643

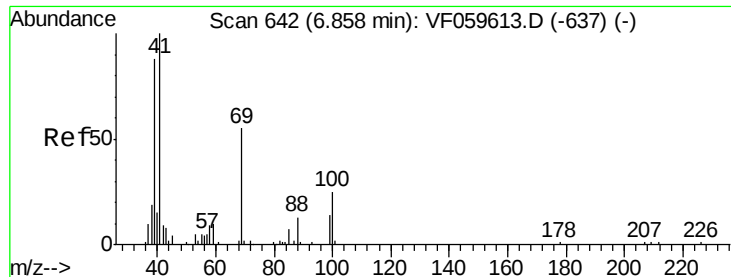
Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Tgt Ion:	41	Resp:	125955
Ion Ratio		Lower	Upper
41	100		
69	63.0	51.6	77.4
39	86.8	76.3	114.5





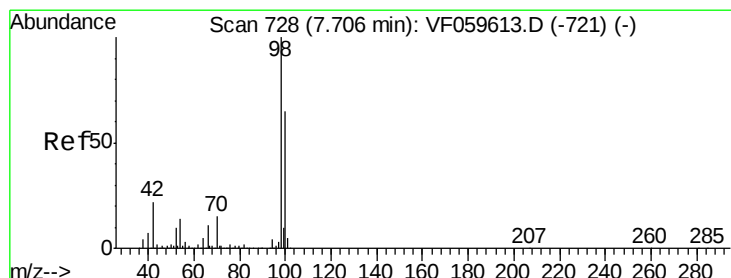
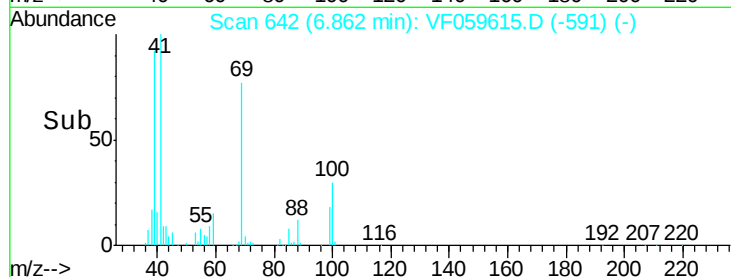
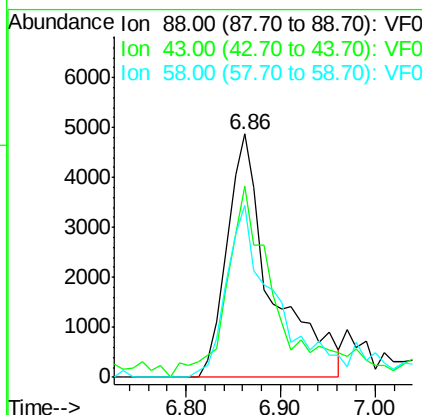
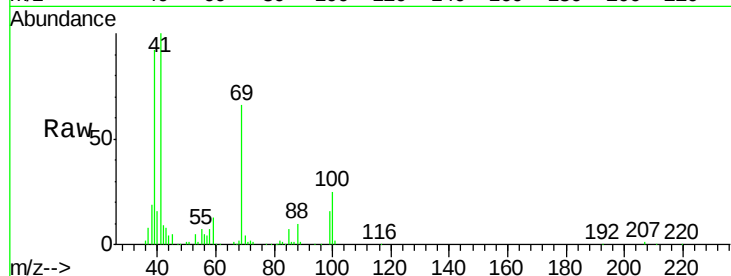
#49
1,4-Dioxane
Concen: 1906.24 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	78.4	54.2	81.4
58	70.5	54.3	81.5

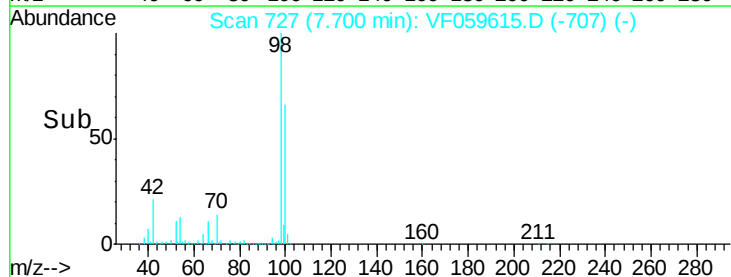
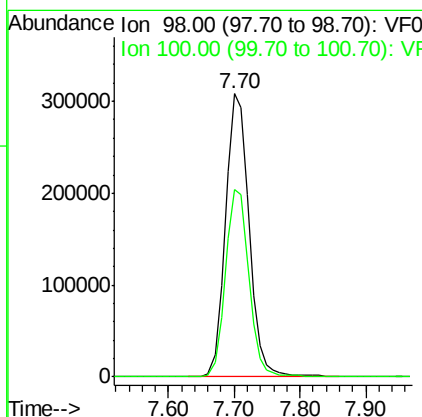
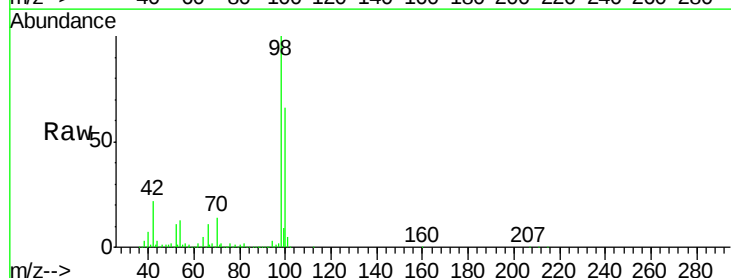
Manual Integrations
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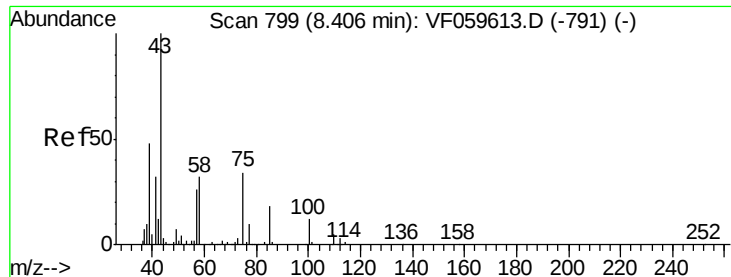
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#50
Toluene-d8
Concen: 104.17 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 410.43 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 568769

Ion Ratio Lower Upper

43 100

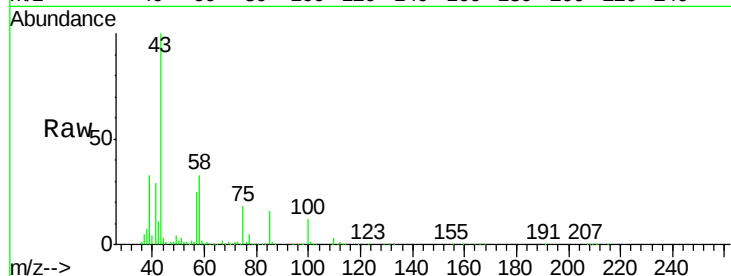
58 33.4 25.8 38.6

Manual Integrations

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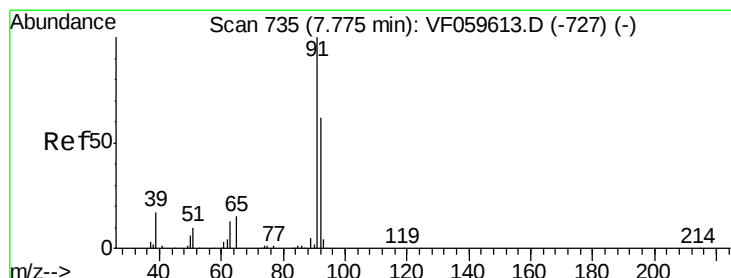
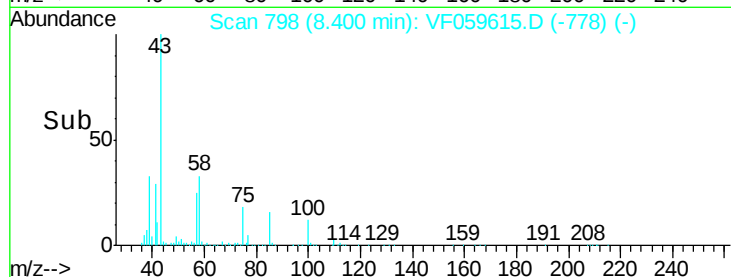
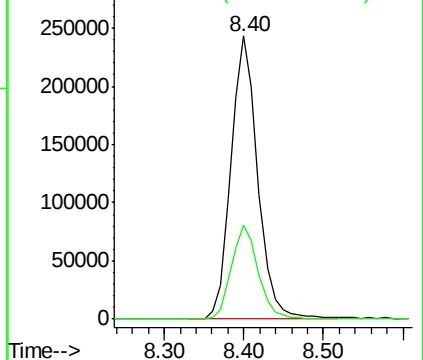
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 84.99 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059615.D

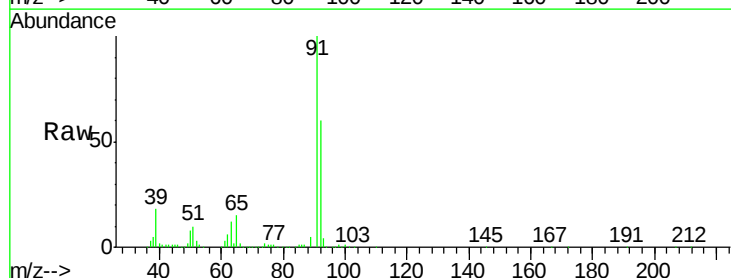
Acq: 23 Jul 2018 15:14

Tgt Ion: 92 Resp: 408992

Ion Ratio Lower Upper

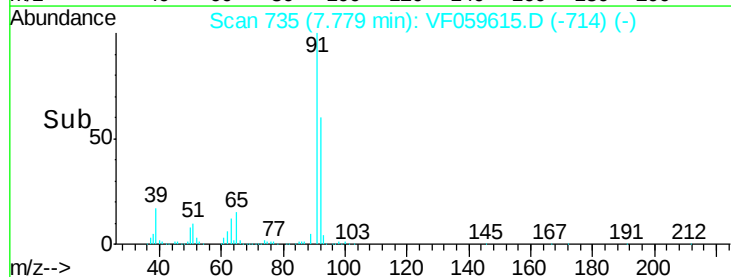
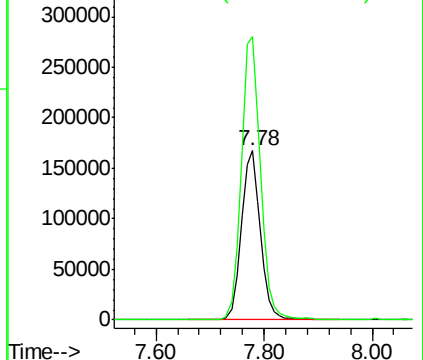
92 100

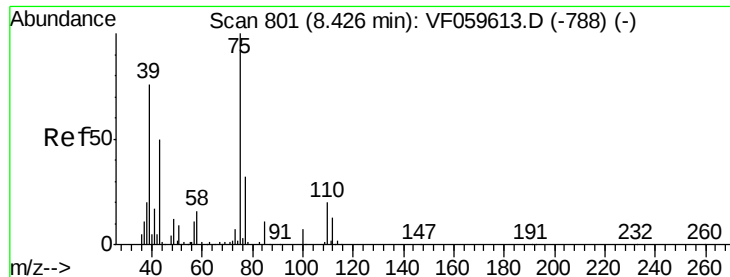
91 167.5 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





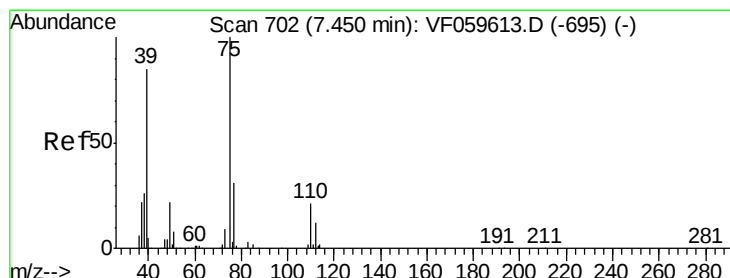
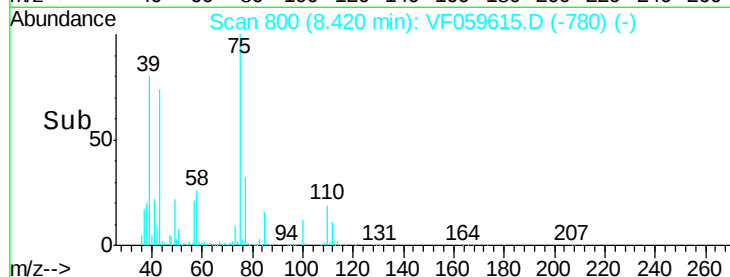
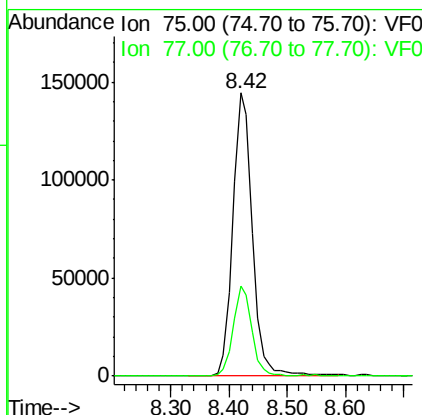
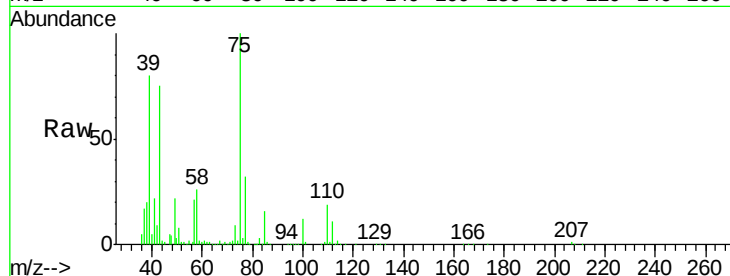
#53
 t-1,3-Dichloropropene
 Concen: 91.14 ug/l
 RT: 8.42 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.6	38.4

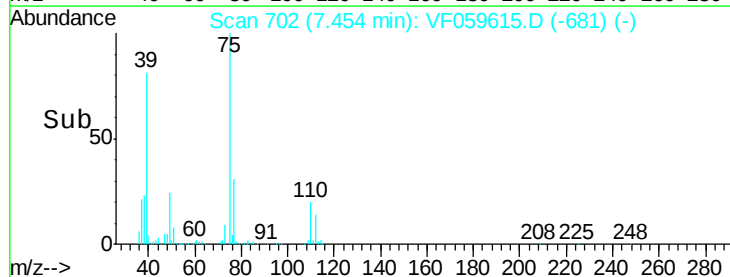
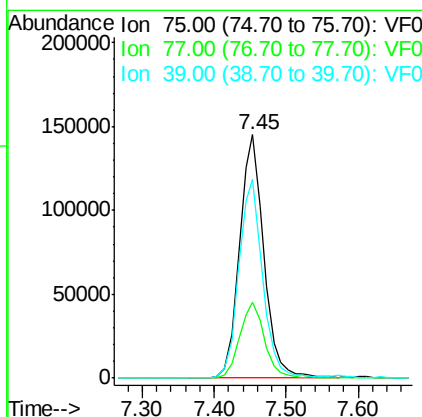
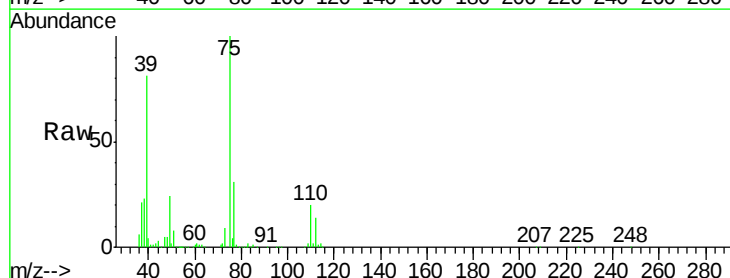
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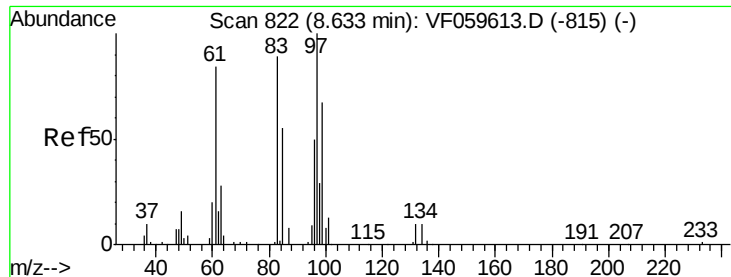
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#54
 cis-1,3-Dichloropropene
 Concen: 92.92 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. 0.00 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.6	37.0
39	81.4	67.8	101.6





#55

1,1,2-Trichloroethane

Concen: 88.42 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

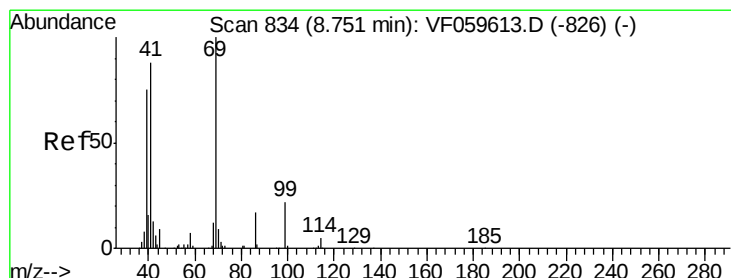
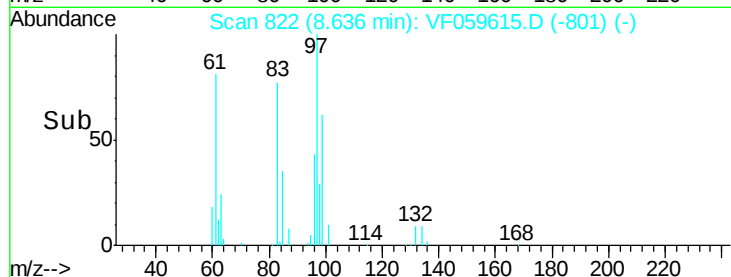
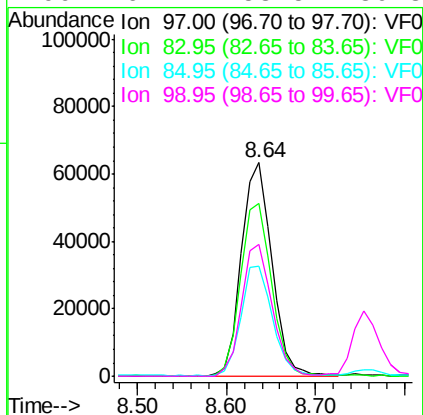
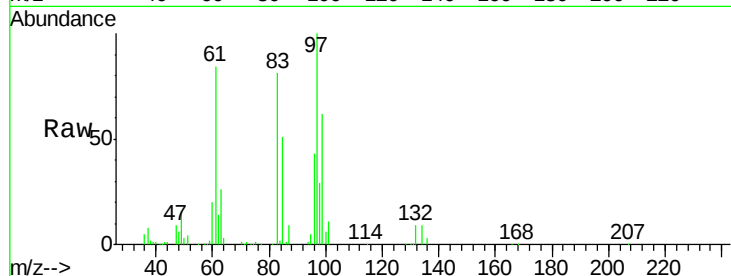
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	150695
Ion	Ratio	Lower	Upper
97	100		
83	80.9	71.8	107.6
85	51.4	43.9	65.9
99	61.7	53.5	80.3

Manual Integrations
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#56

Ethyl methacrylate

Concen: 89.14 ug/l

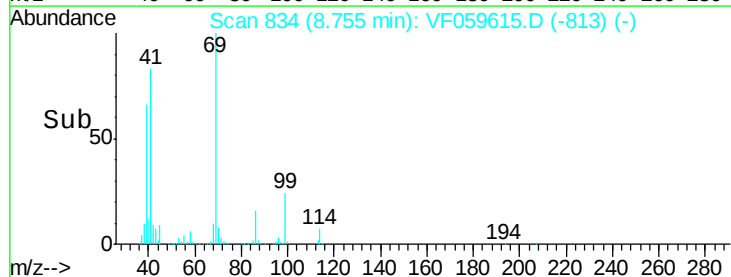
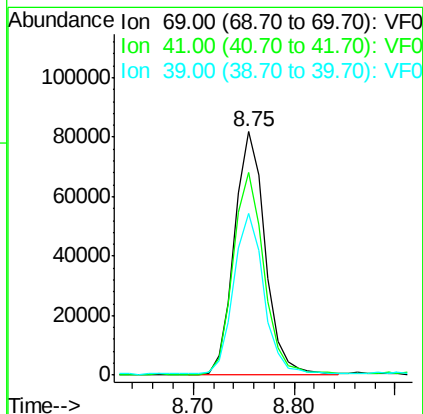
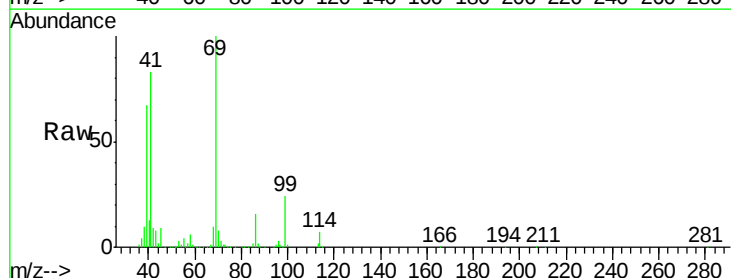
RT: 8.75 min Scan# 834

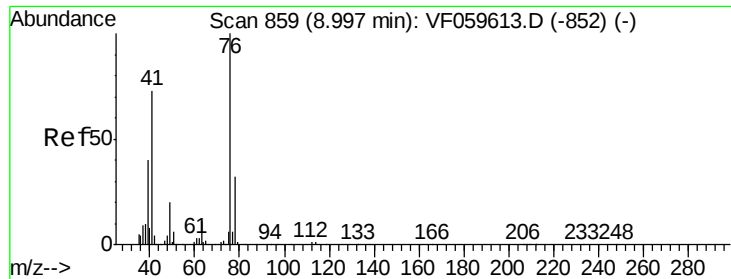
Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Tgt Ion:	69	Resp:	174924
Ion	Ratio	Lower	Upper
69	100		
41	83.2	70.8	106.2
39	66.5	60.7	91.1





#57

1,3-Dichloropropane

Concen: 84.91 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 252964

Ion Ratio Lower Upper

76 100

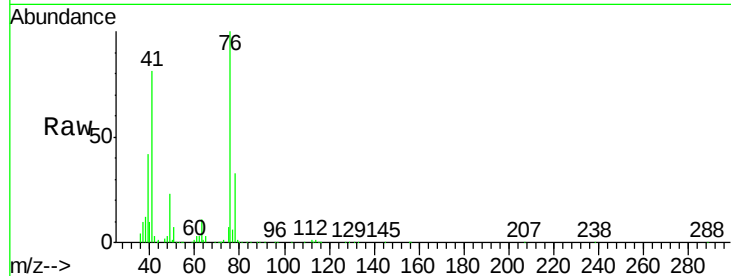
78 33.1 25.3 37.9

Manual Integrations

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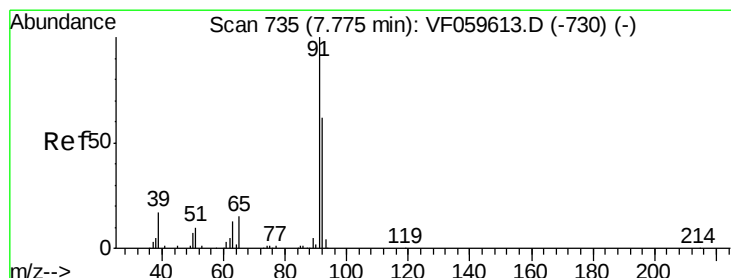
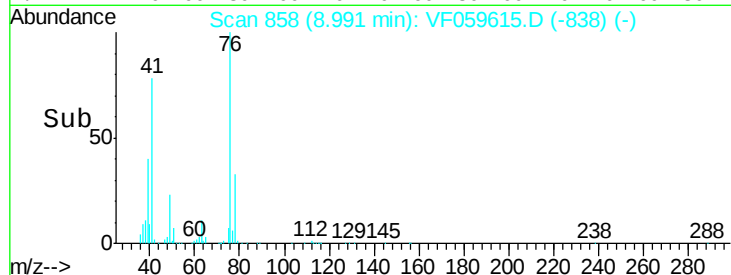
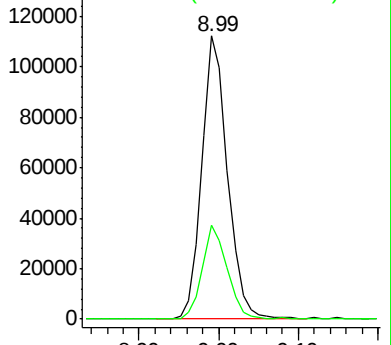
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 423.04 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059615.D

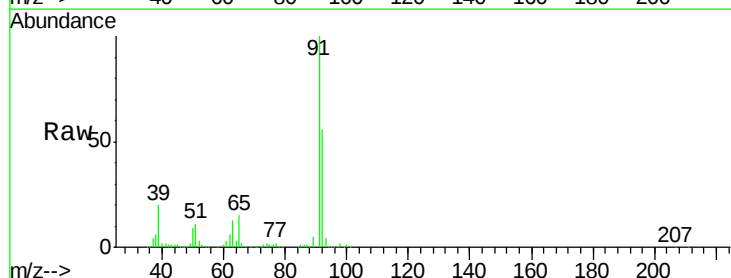
Acq: 23 Jul 2018 15:14

Tgt Ion: 63 Resp: 88019

Ion Ratio Lower Upper

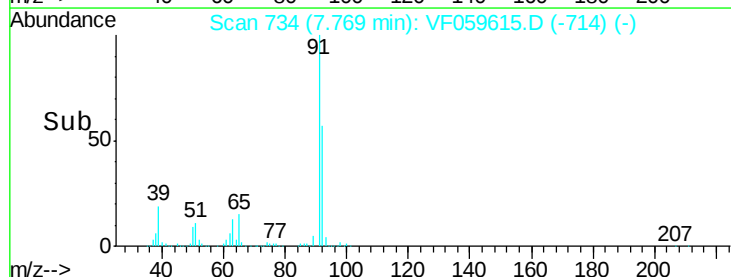
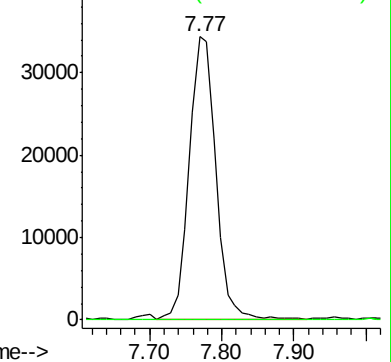
63 100

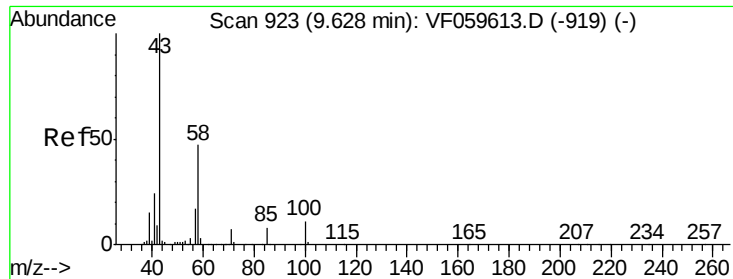
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





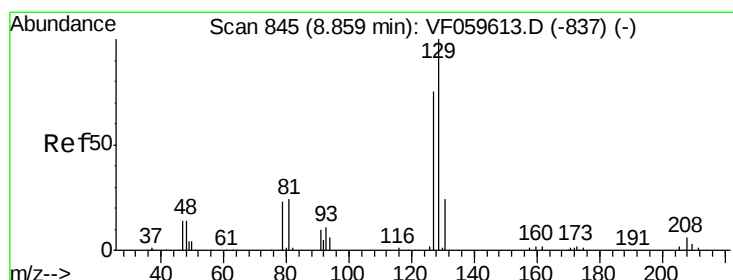
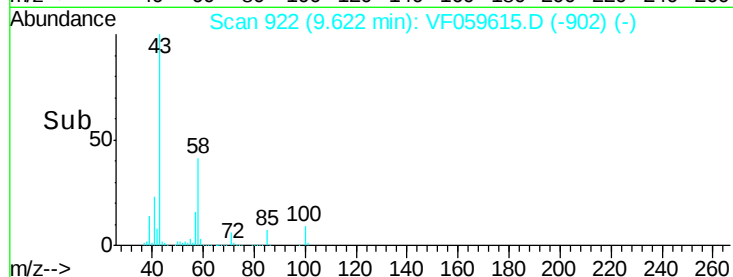
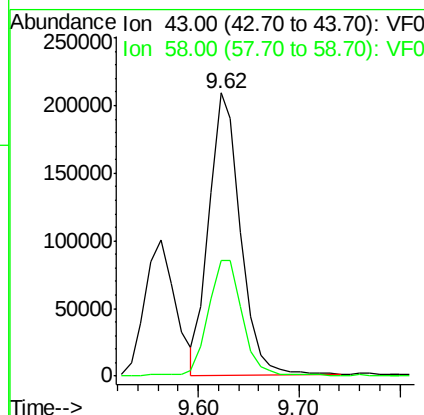
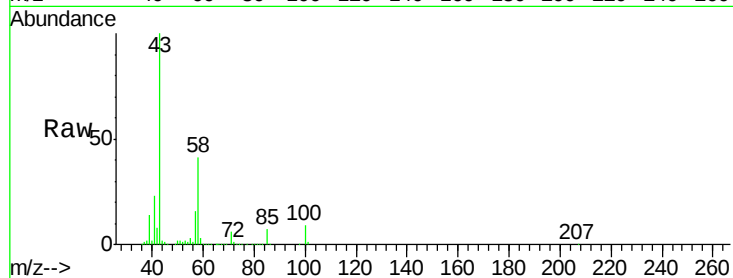
#59
2-Hexanone
Concen: 402.91 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 451736
Ion Ratio Lower Upper
43 100
58 41.0 21.1 63.4

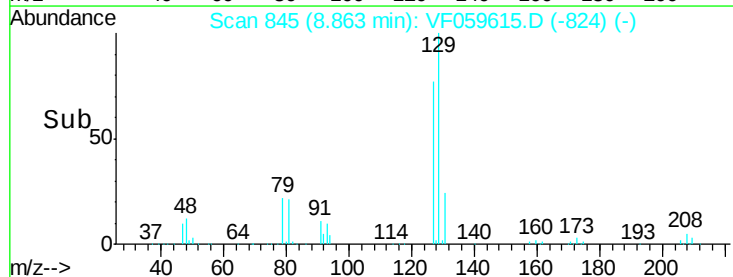
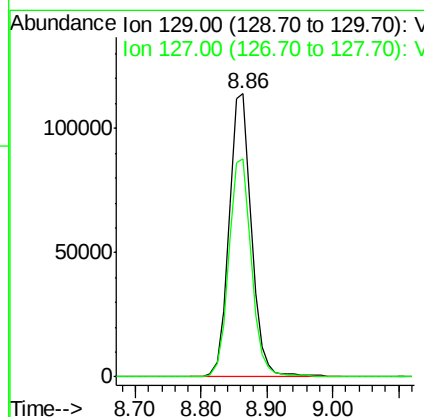
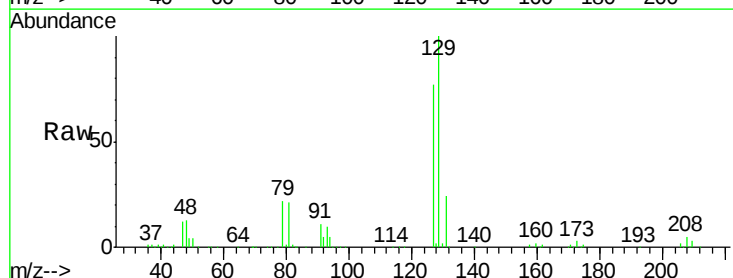
Manual Integrations
APPROVED

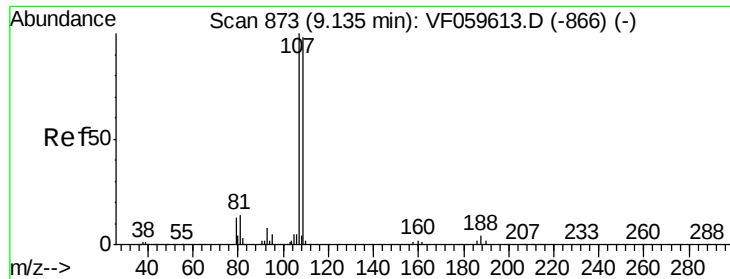
apatel
7/24/2018 1:13:43 PM



#60
Dibromochloromethane
Concen: 91.45 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion: 129 Resp: 272667
Ion Ratio Lower Upper
129 100
127 76.9 37.5 112.7





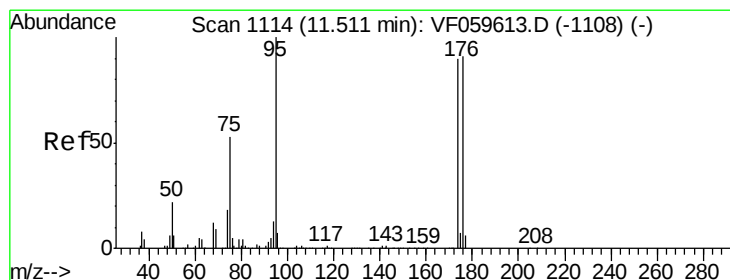
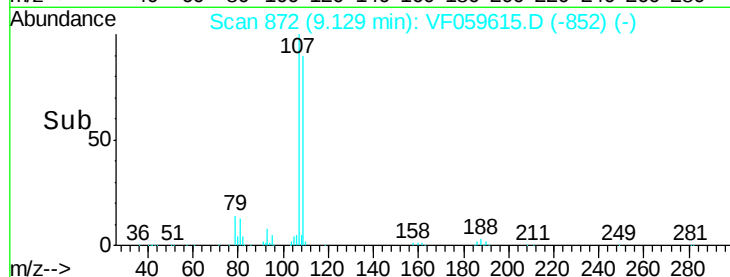
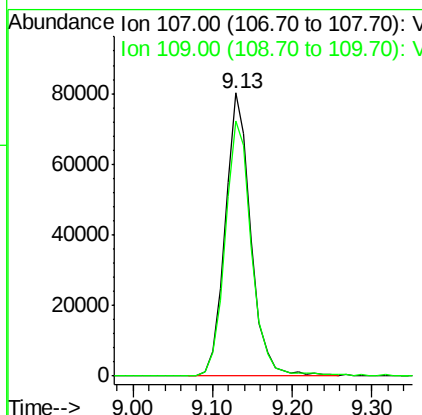
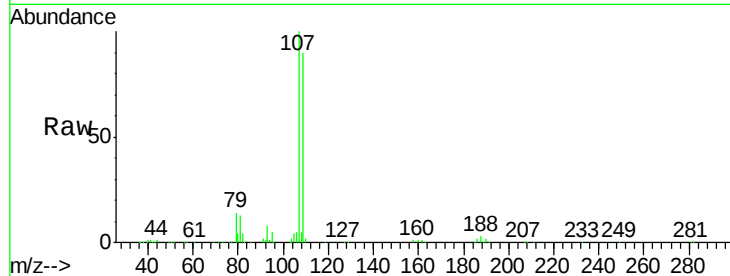
#61
 1,2-Dibromoethane
 Concen: 90.22 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.2	78.2	117.4

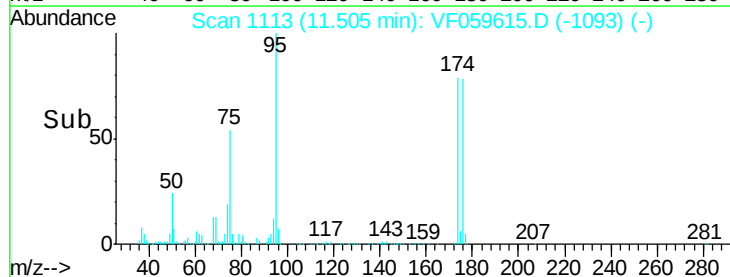
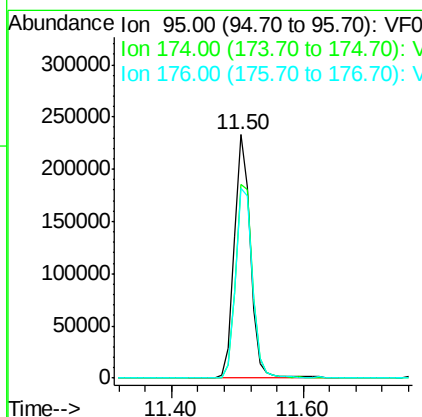
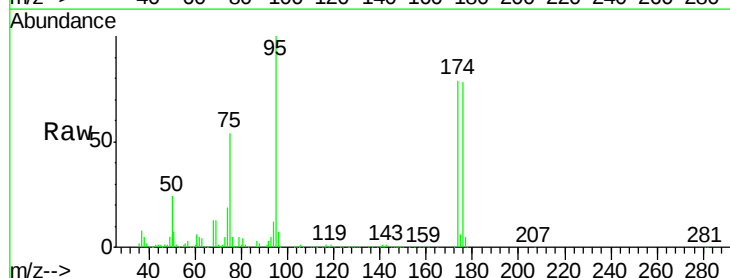
Manual Integrations
 APPROVED

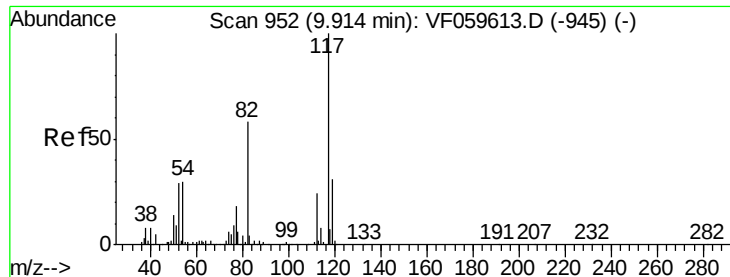
apatel
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#62
 4-Bromofluorobenzene
 Concen: 93.76 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.5	0.0	180.6
176	77.9	0.0	182.4





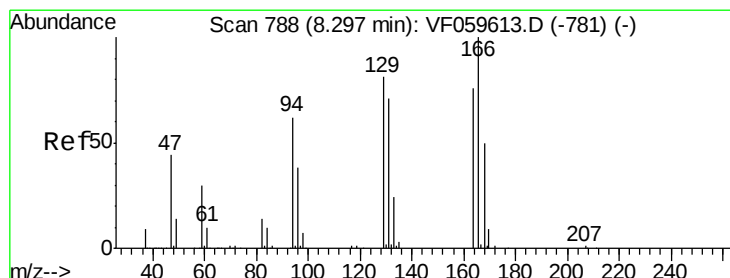
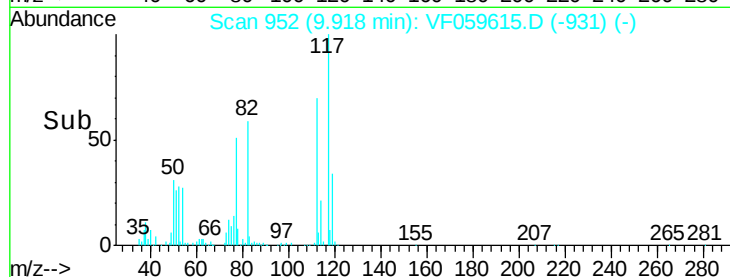
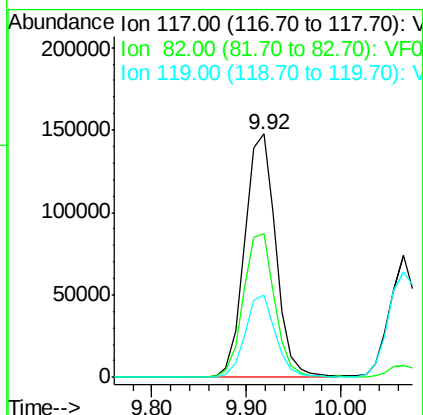
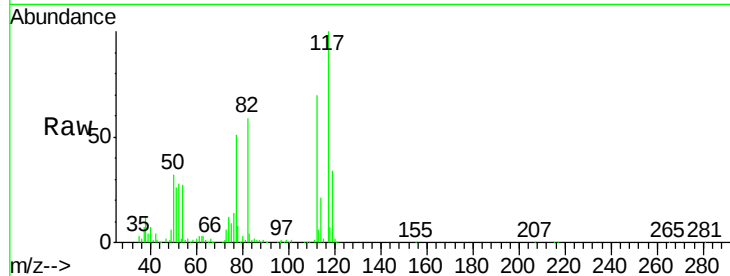
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	337211		
82	59.2	46.5	69.7	
119	33.8	24.4	36.6	

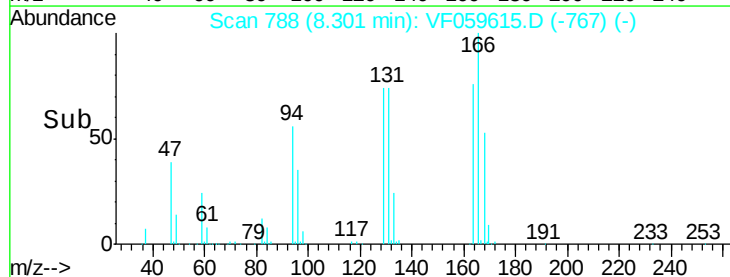
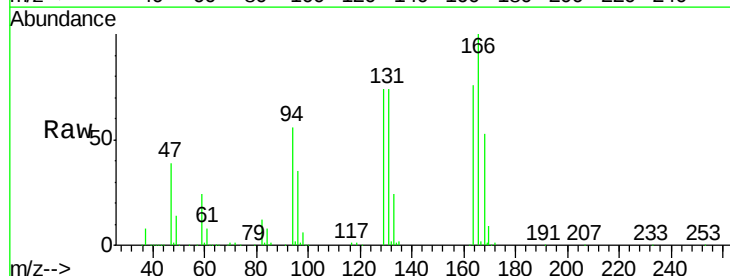
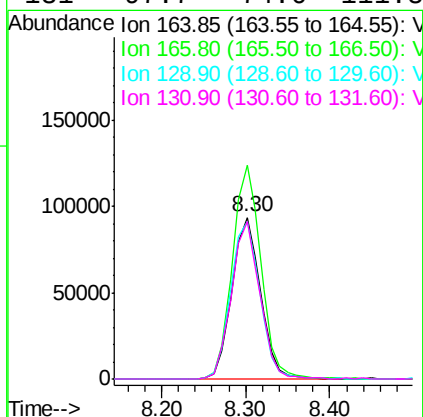
Manual Integrations
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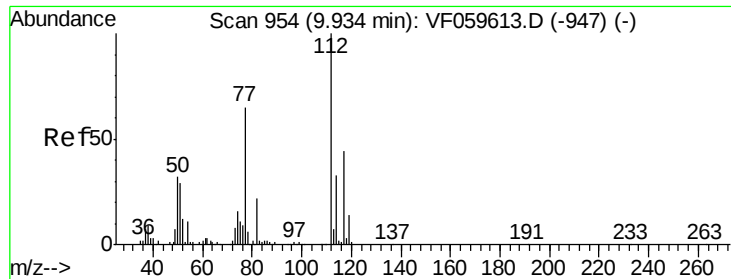
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#64
Tetrachloroethene
Concen: 87.18 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	222326		
166	132.4	104.8	157.2	
129	97.8	85.3	127.9	
131	97.7	74.6	111.8	





#65

Chlorobenzene

Concen: 89.71 ug/l

RT: 9.94 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 569305

Ion Ratio Lower Upper

112 100

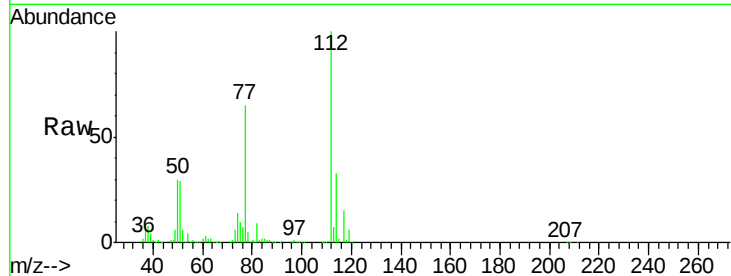
114 32.5 26.8 40.2

Manual Integrations

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

300000

250000

200000

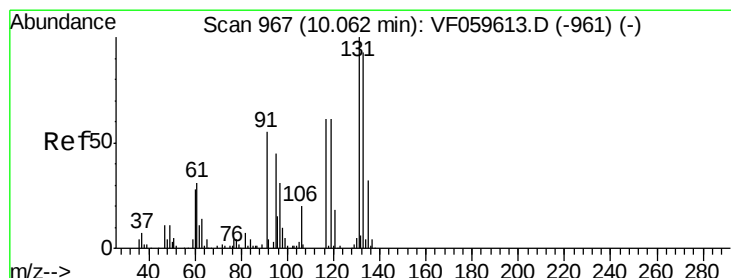
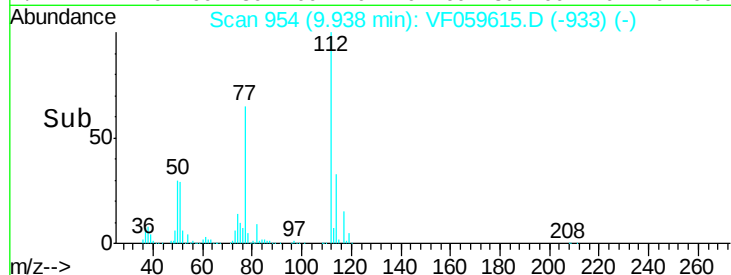
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 88.02 ug/l

RT: 10.07 min Scan# 967

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

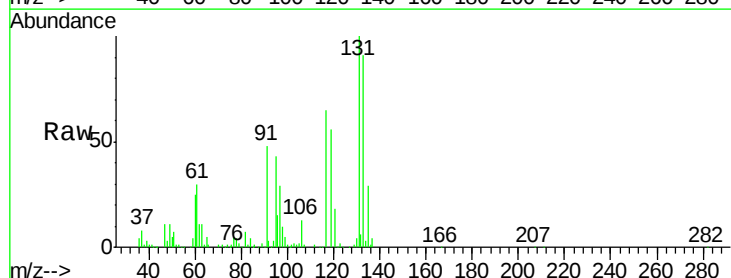
Tgt Ion:131 Resp: 253190

Ion Ratio Lower Upper

131 100

133 91.3 46.4 139.2

119 56.1 30.6 91.8



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

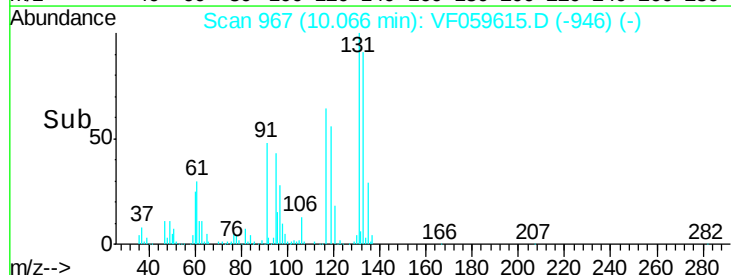
150000

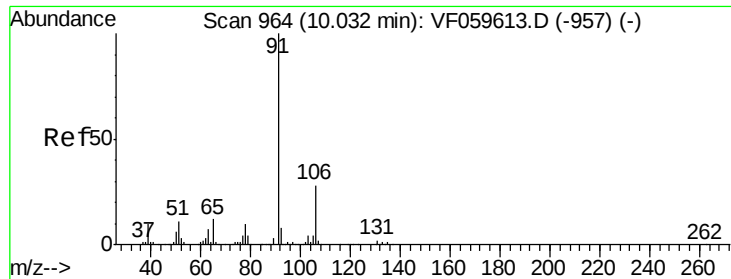
100000

50000

0

Time-->





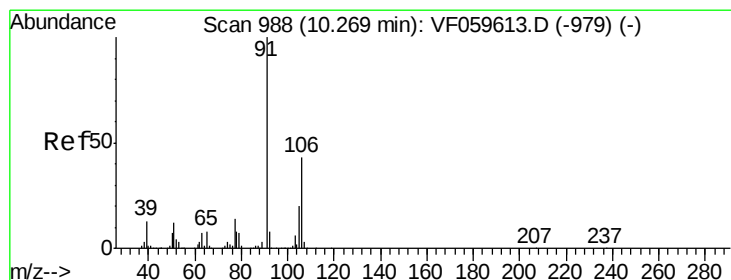
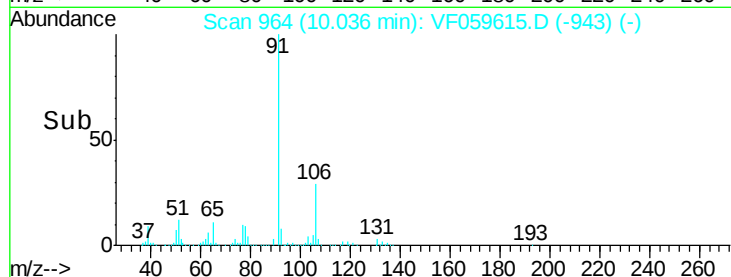
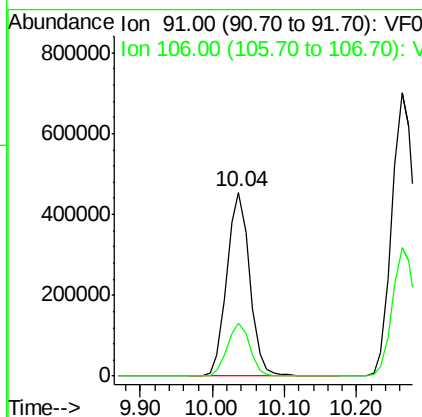
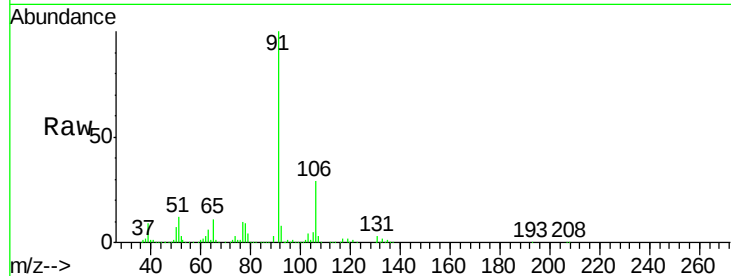
#67
Ethyl Benzene
Concen: 89.08 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1008482
Ion Ratio Lower Upper
91 100
106 28.9 22.5 33.7

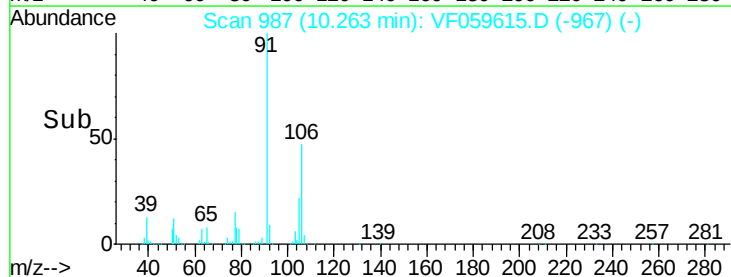
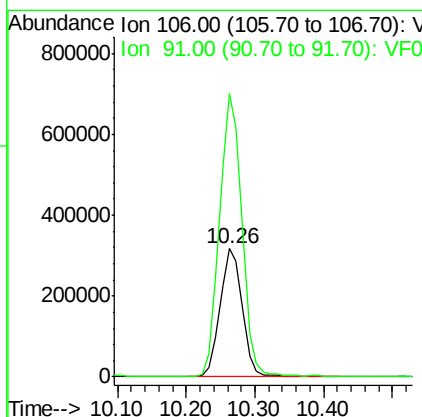
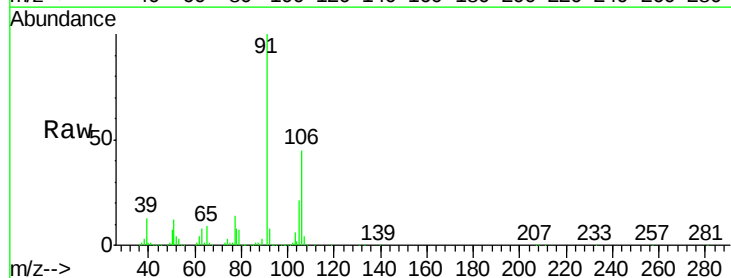
Manual Integrations
APPROVED

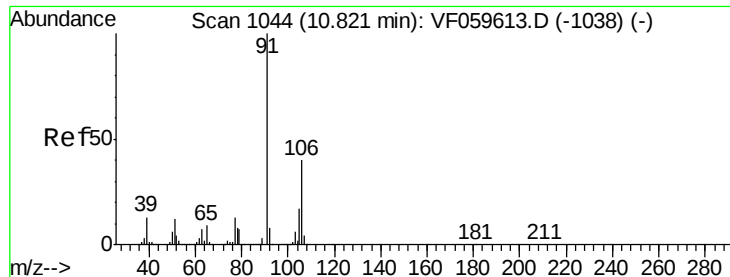
apatel
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#68
m/p-Xylenes
Concen: 181.82 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion: 106 Resp: 703497
Ion Ratio Lower Upper
106 100
91 221.1 187.0 280.4





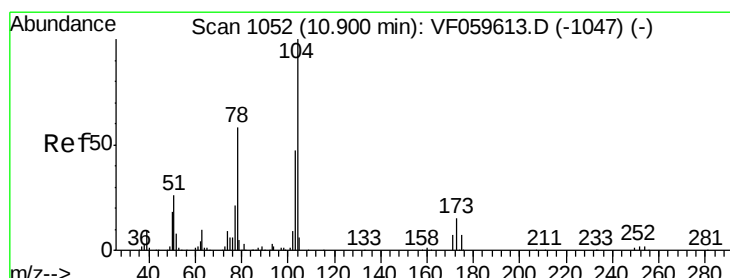
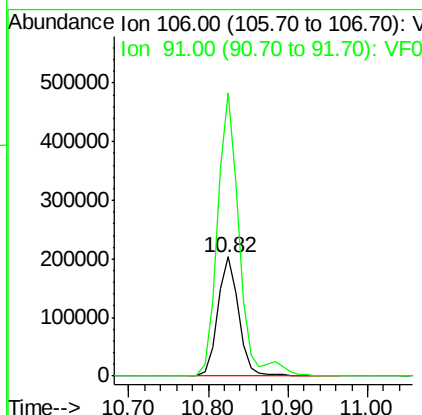
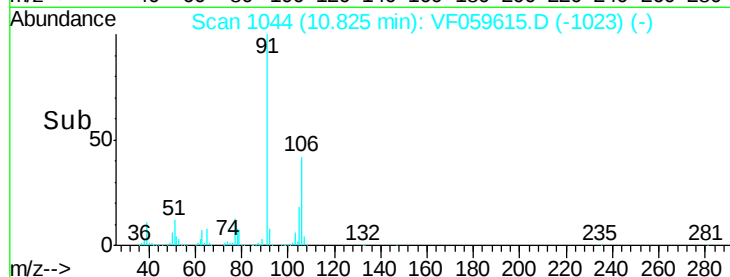
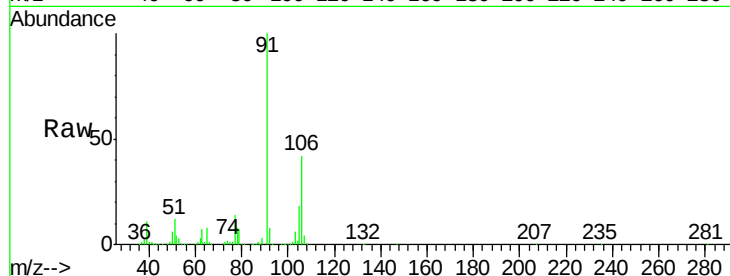
#69
o-Xylene
Concen: 88.49 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 376368
Ion Ratio Lower Upper
106 100
91 237.0 125.8 377.3

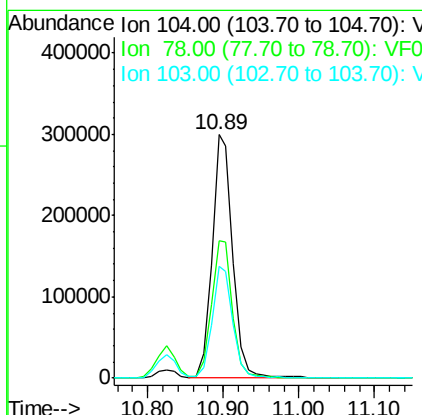
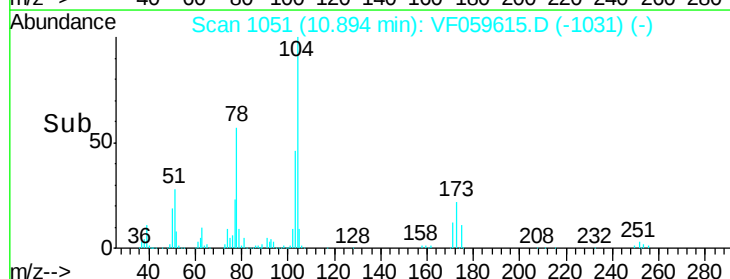
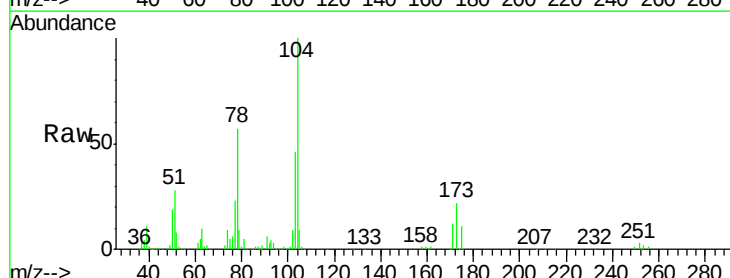
Manual Integrations
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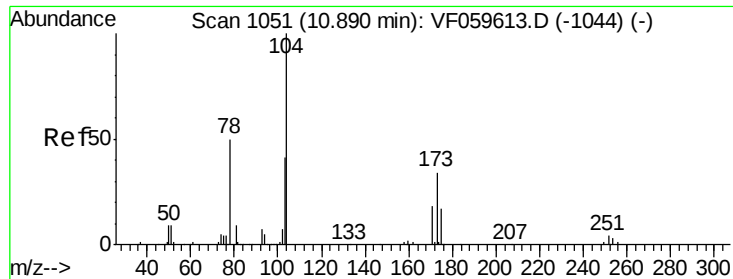
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#70
Styrene
Concen: 89.48 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion:104 Resp: 568687
Ion Ratio Lower Upper
104 100
78 56.6 47.4 71.2
103 46.1 38.8 58.2





#71

Bromoform

Concen: 80.65 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampled :

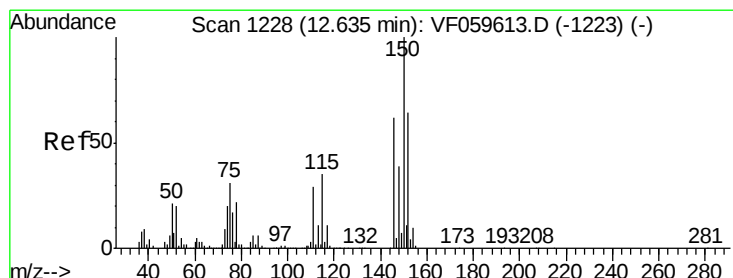
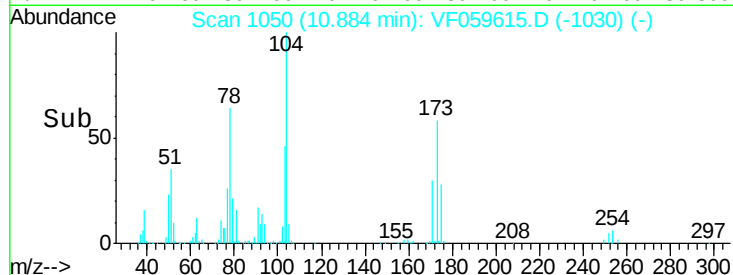
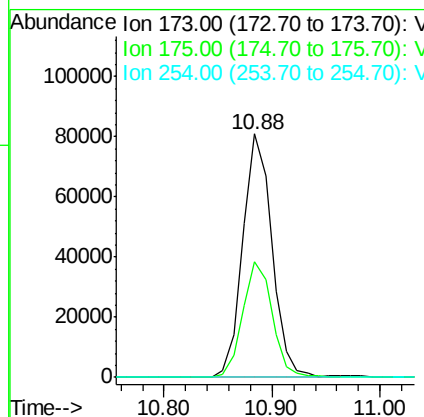
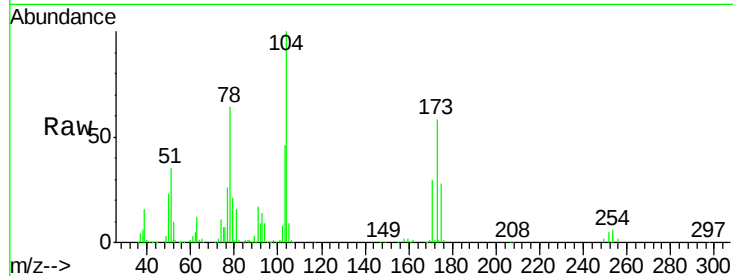
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	25.1	75.2
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

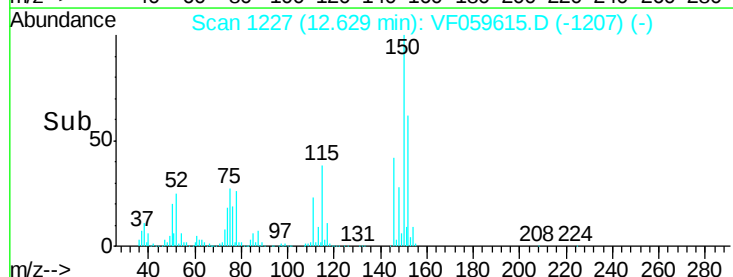
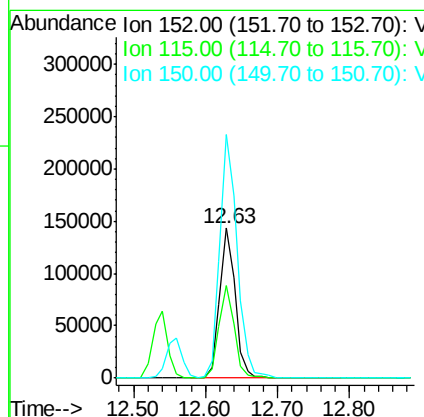
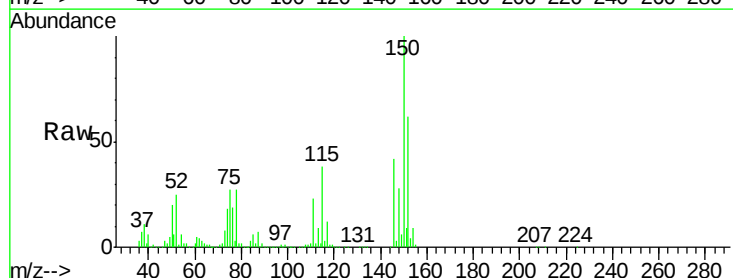
RT: 12.63 min Scan# 1227

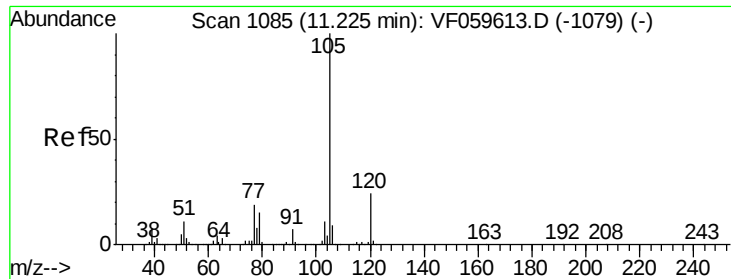
Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	27.8	83.4
150	162.5	0.0	314.6





#73

Isopropylbenzene

Concen: 87.96 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1194865

Ion Ratio Lower Upper

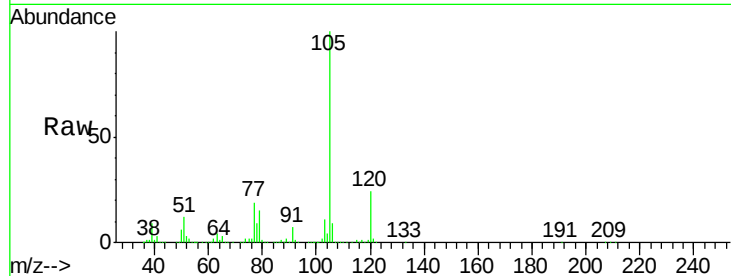
105 100

120 24.4 11.8 35.4

Manual Integrations
APPROVED

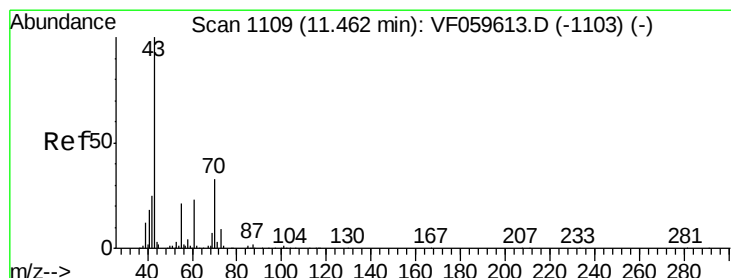
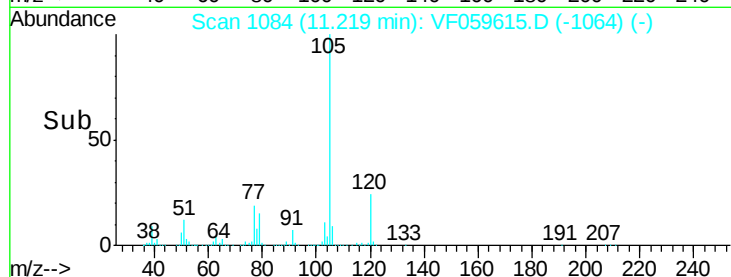
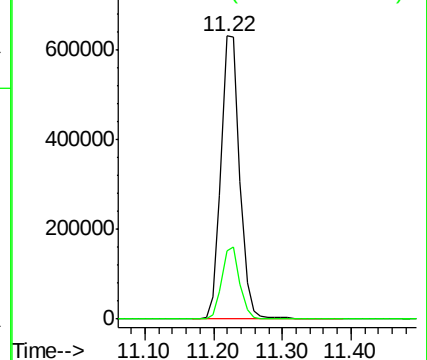
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 87.49 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Tgt Ion: 43 Resp: 296182

Ion Ratio Lower Upper

43 100

70 31.7 26.6 40.0

55 20.8 17.0 25.6

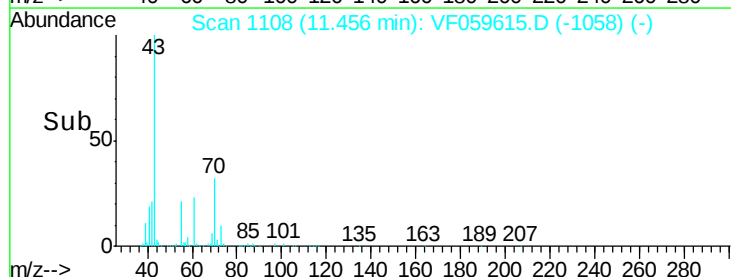
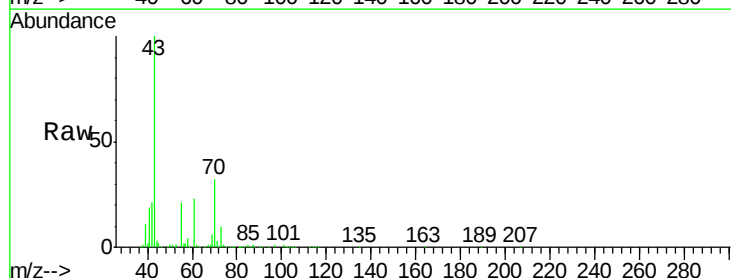
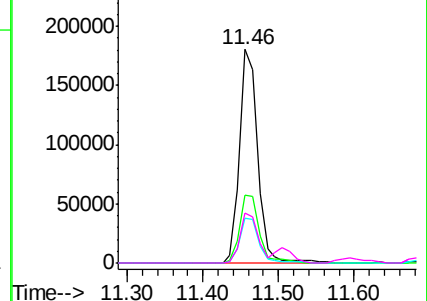
61 23.3 18.3 27.5

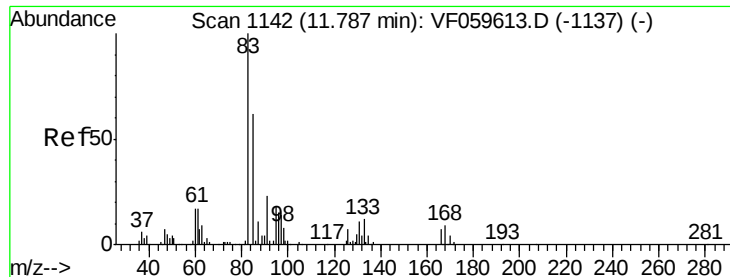
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 75.70 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

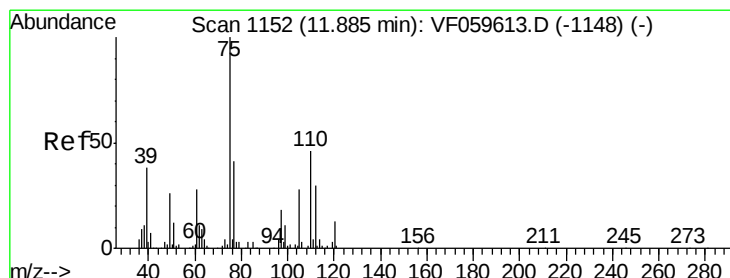
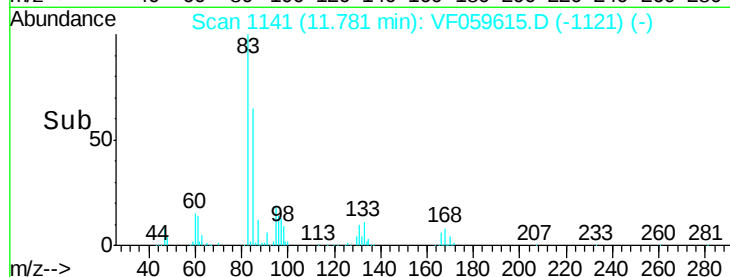
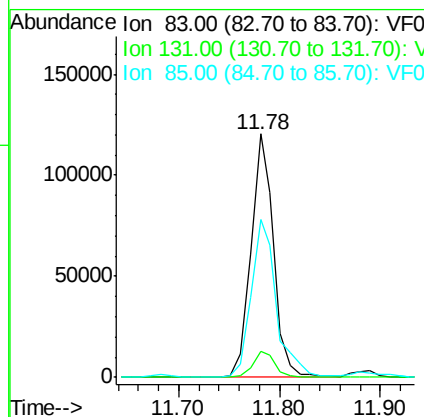
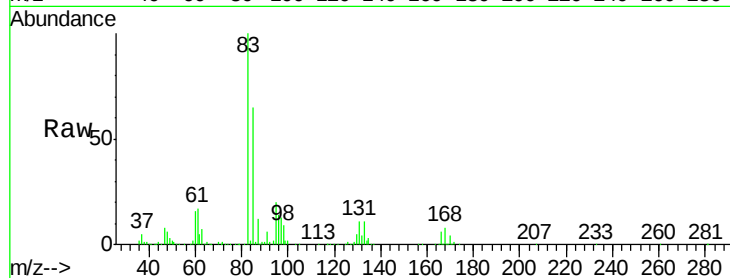
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	188412
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.7	17.0
85	65.0	31.1	93.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 85.64 ug/l

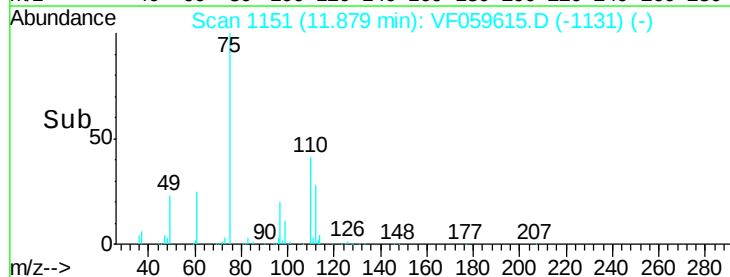
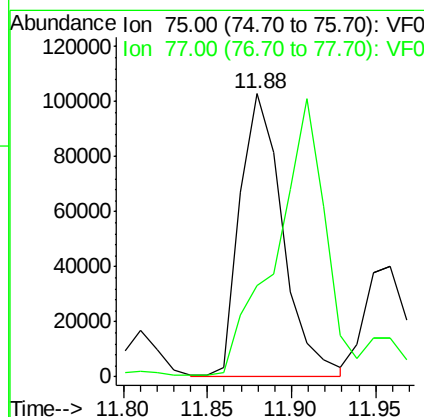
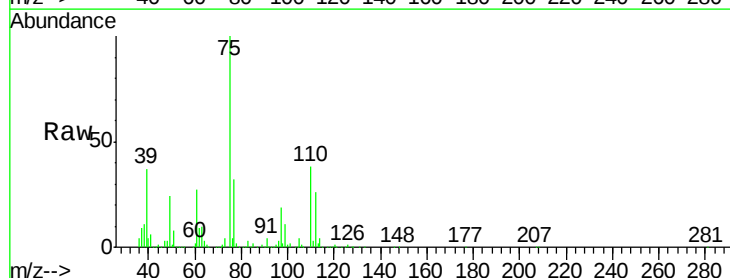
RT: 11.88 min Scan# 1151

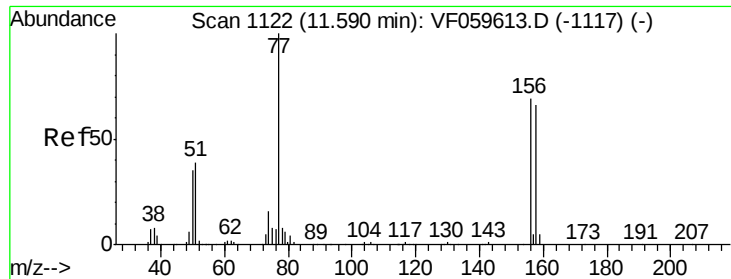
Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Tgt Ion:	75	Resp:	181415
Ion Ratio	Lower	Upper	
75	100		
77	32.2	20.9	62.8





#77

Bromobenzene

Concen: 84.67 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 304590

Ion Ratio Lower Upper

156 100

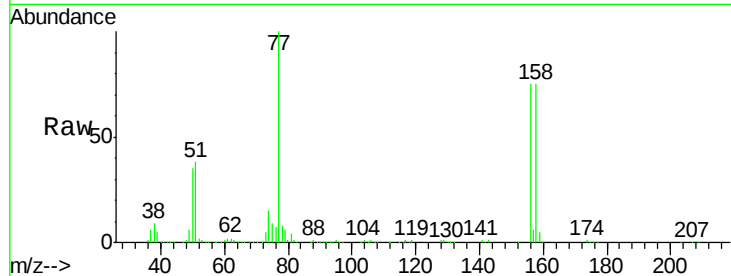
77 133.1 72.1 216.3

158 100.1 47.3 141.9

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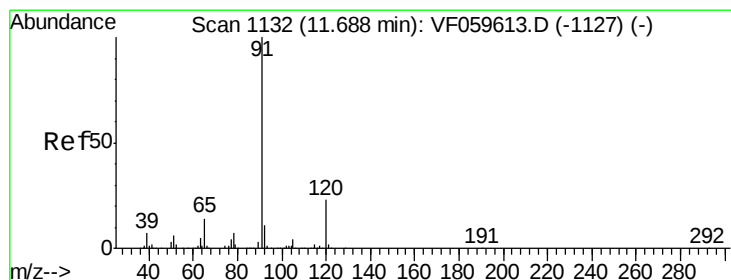
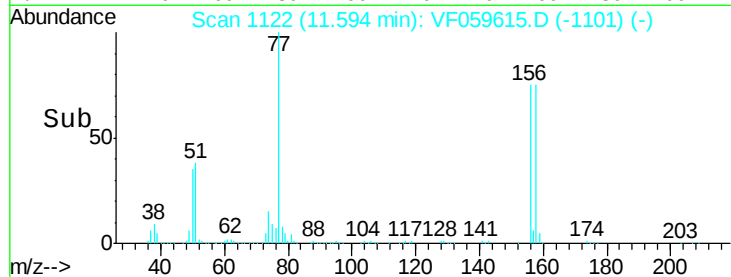
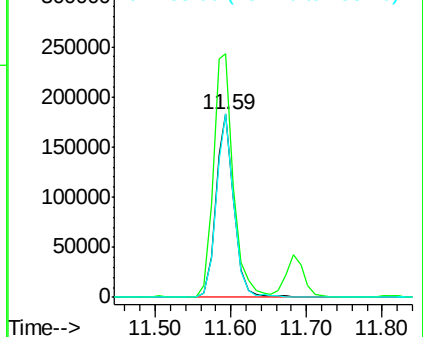
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 85.15 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059615.D

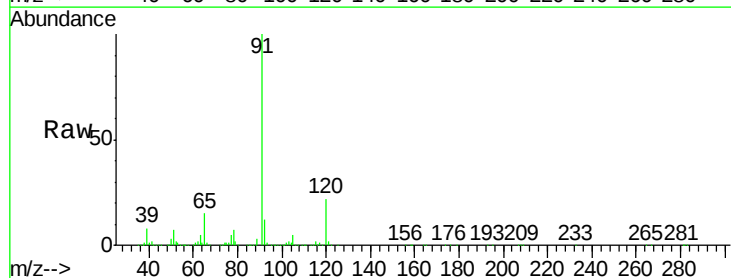
Acq: 23 Jul 2018 15:14

Tgt Ion: 91 Resp: 1377005

Ion Ratio Lower Upper

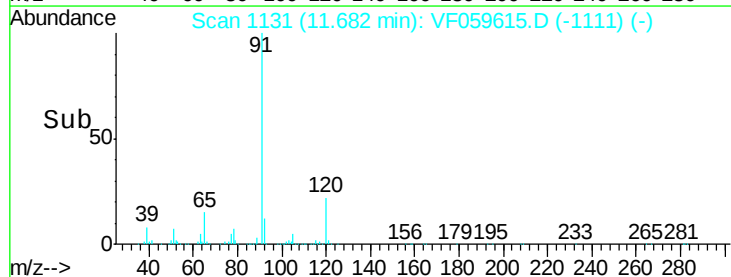
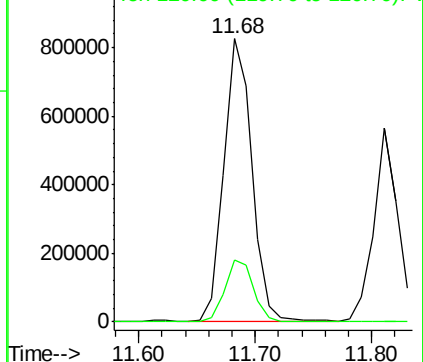
91 100

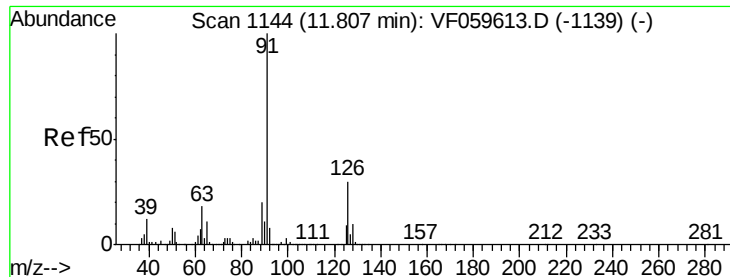
120 21.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 82.12 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 798919

Ion Ratio Lower Upper

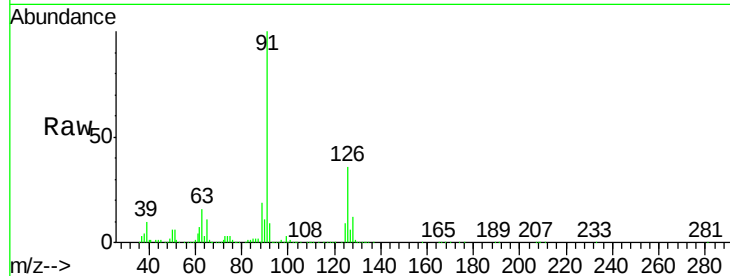
91 100

126 36.0 15.1 45.3

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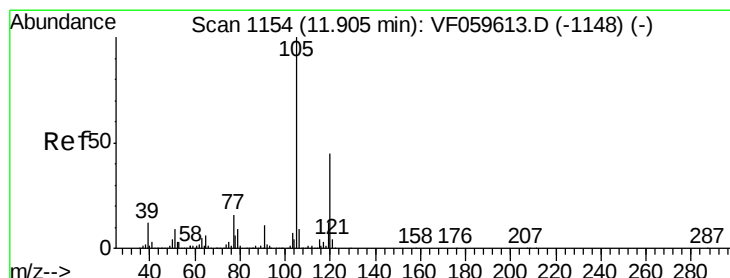
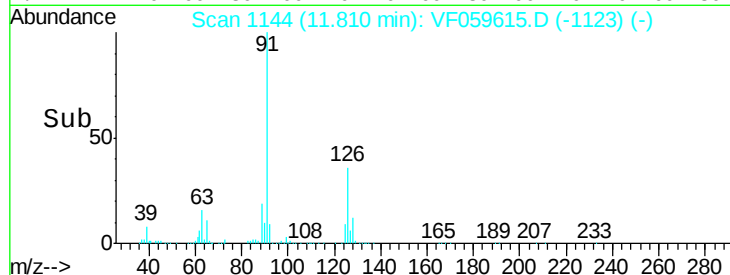
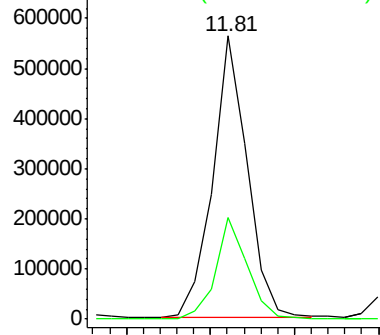
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 84.61 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059615.D

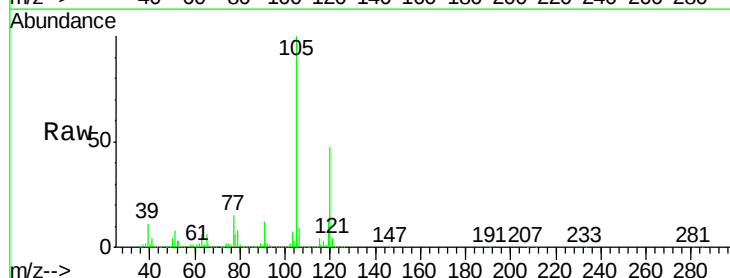
Acq: 23 Jul 2018 15:14

Tgt Ion:105 Resp: 1015095

Ion Ratio Lower Upper

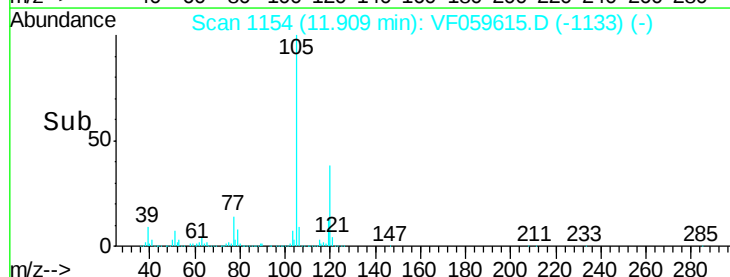
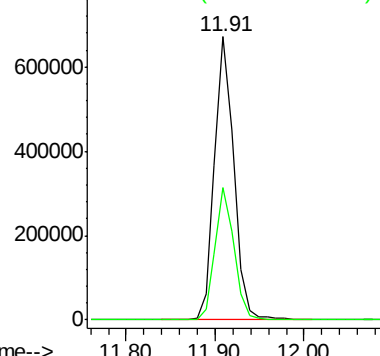
105 100

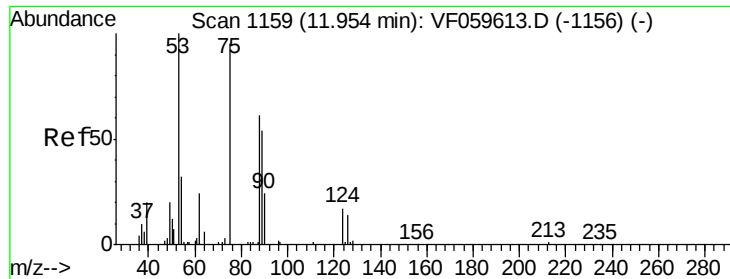
120 46.7 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





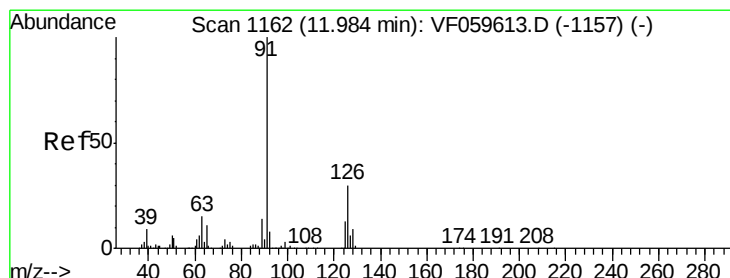
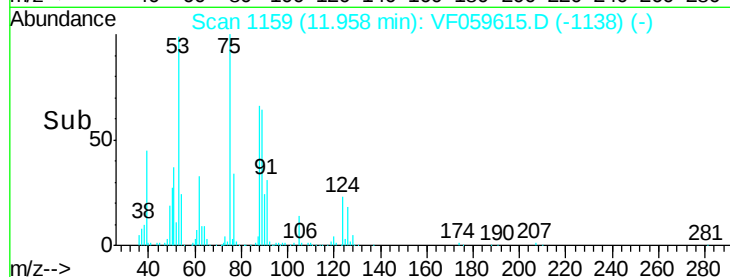
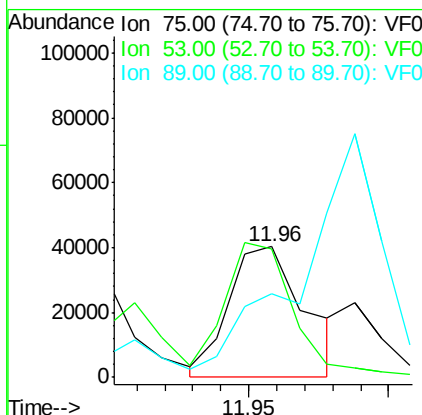
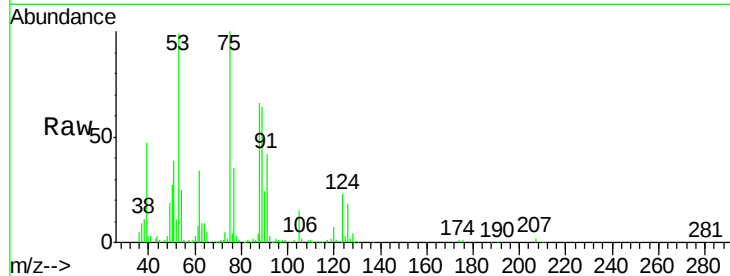
#81
trans-1,4-Dichloro-2-butene
Concen: 72.07 ug/l m
RT: 11.96 min Scan# 1159
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.7	86.4	129.6
89	64.3	46.8	70.2

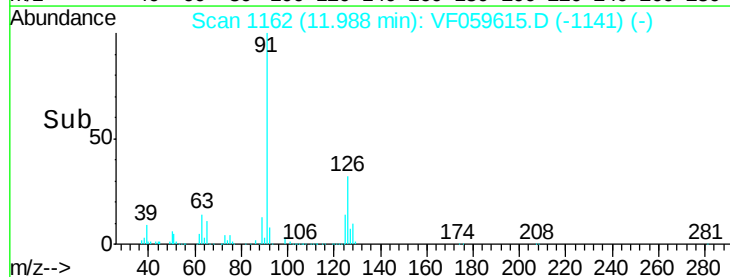
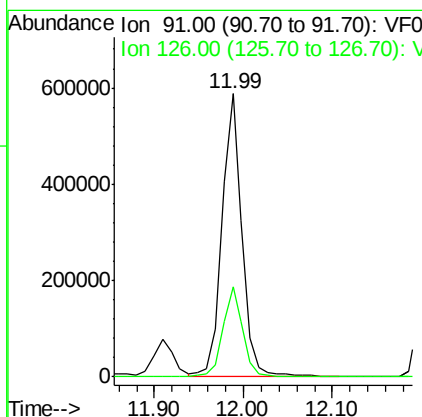
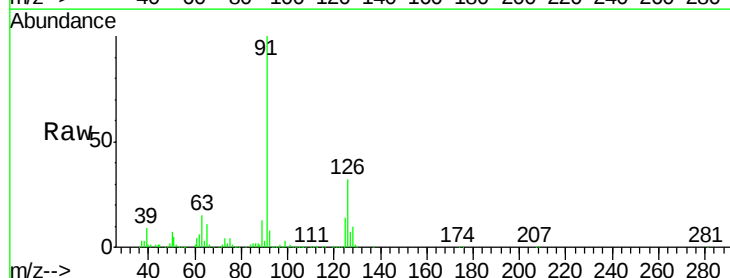
Manual Integrations
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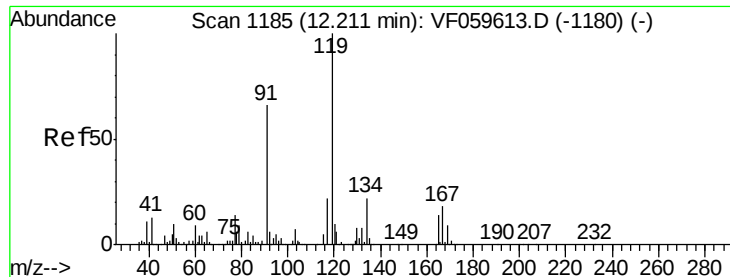
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#82
4-Chlorotoluene
Concen: 84.91 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	14.7	44.1





#83

tert-Butylbenzene

Concen: 83.17 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

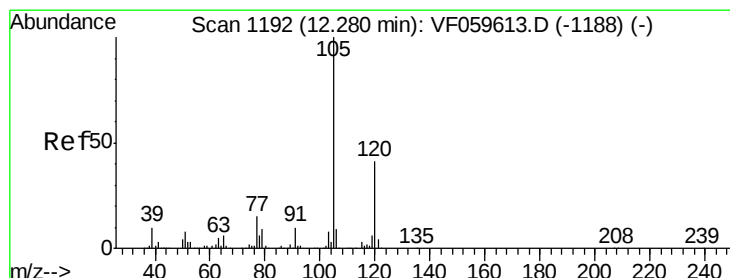
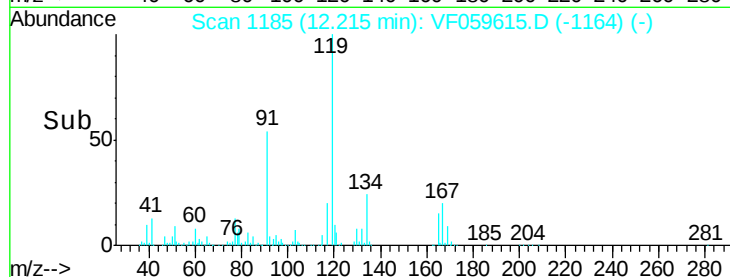
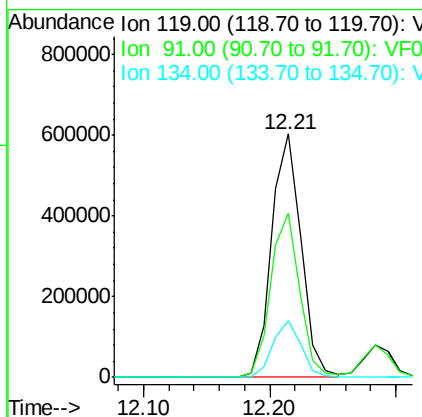
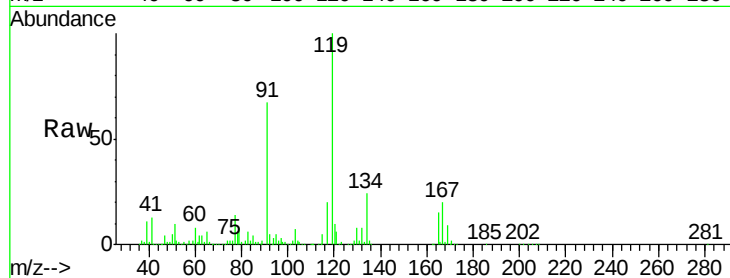
ClientSampleId :

VSTDIC100

Tot Ion:	119	Resp:	981161
Ion Ratio	Lower	Upper	
119	100		
91	67.4	33.2	99.6
134	23.5	10.9	32.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 84.85 ug/l

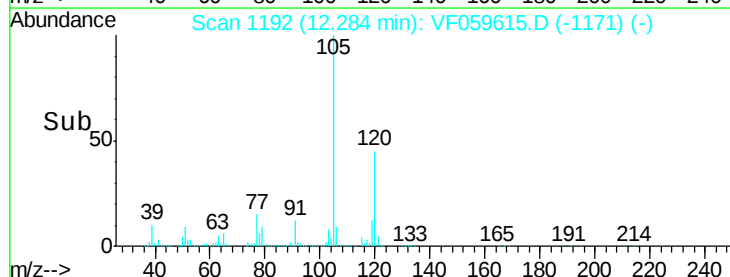
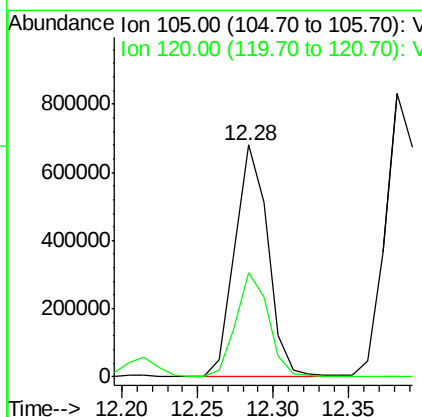
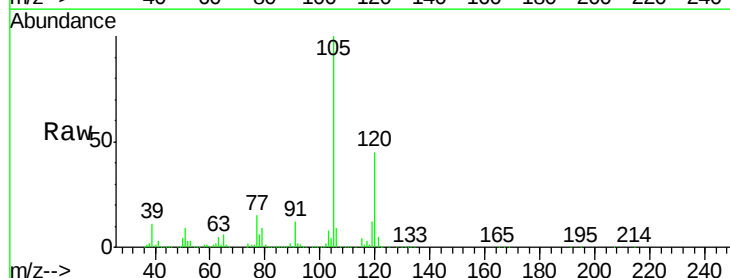
RT: 12.28 min Scan# 1192

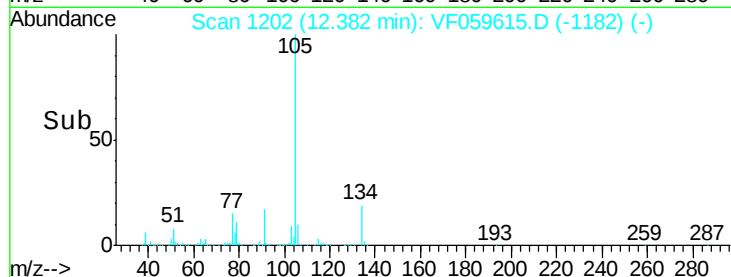
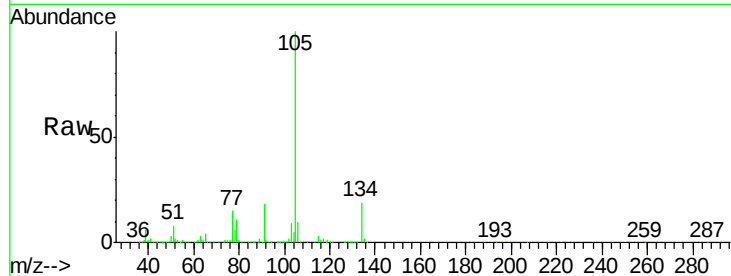
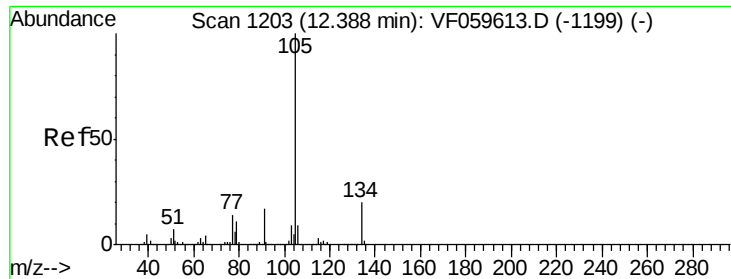
Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Tgt Ion:	105	Resp:	1037808
Ion Ratio	Lower	Upper	
105	100		
120	44.9	20.4	61.3





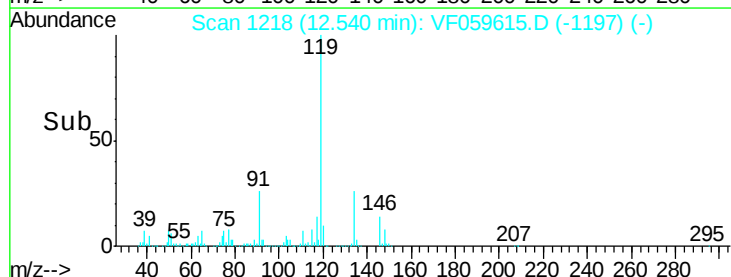
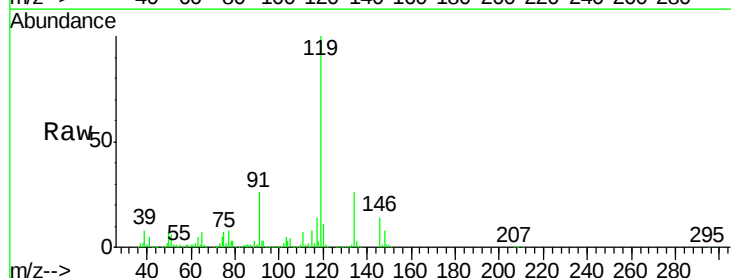
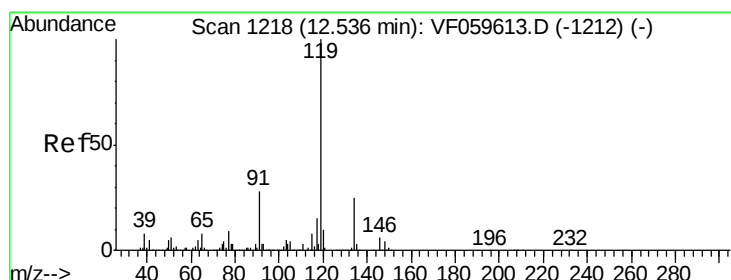
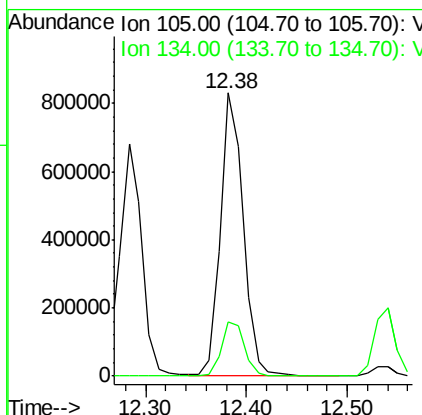
#85
 sec-Butylbenzene
 Concen: 86.77 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Tot Ion:105 Resp: 1307705
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.9 29.7

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

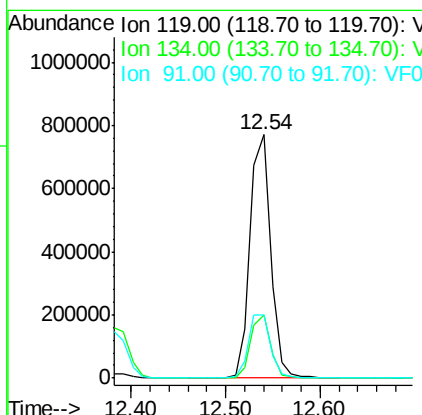
Manual Integrations
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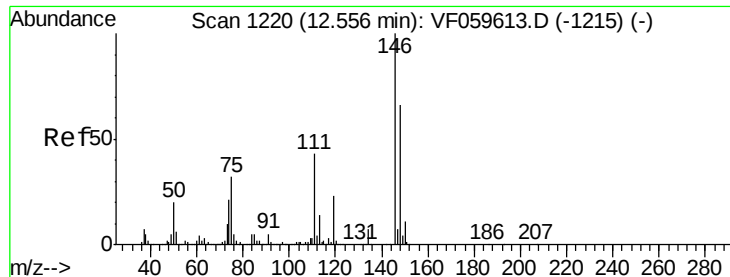
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#86
 p-Isopropyltoluene
 Concen: 89.16 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Tgt Ion:119 Resp: 1170717
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.4 37.2
 91 25.9 13.9 41.7





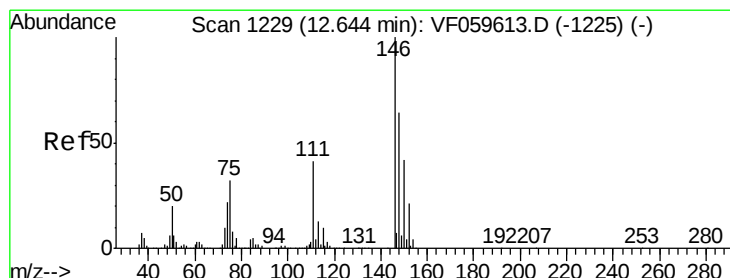
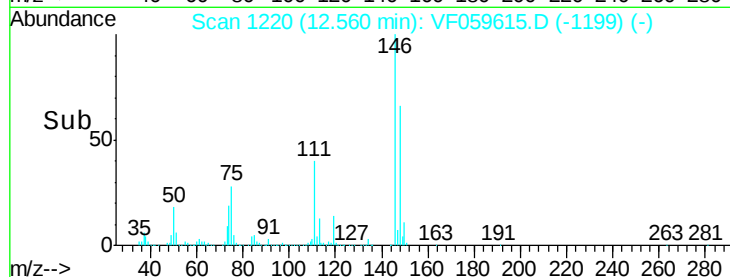
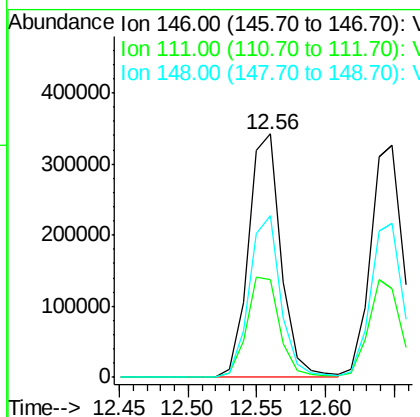
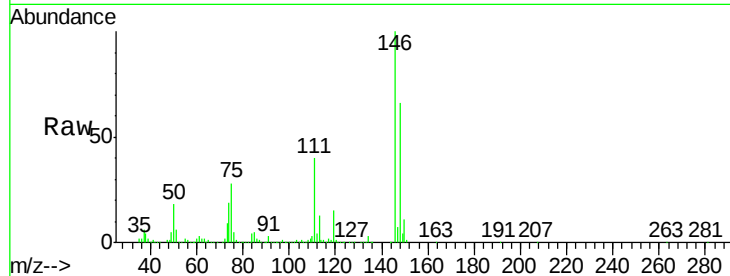
#87
 1,3-Dichlorobenzene
 Concen: 84.73 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.6	64.8
148	66.2	33.1	99.3

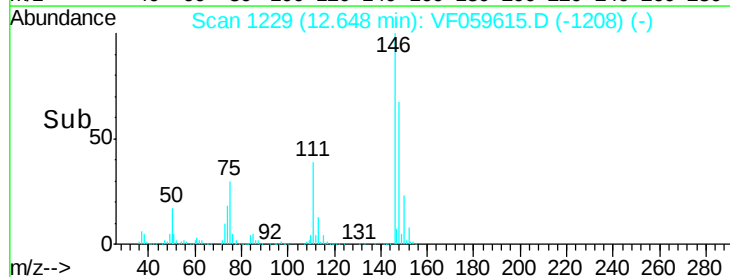
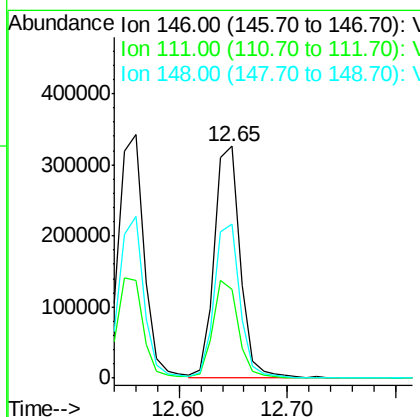
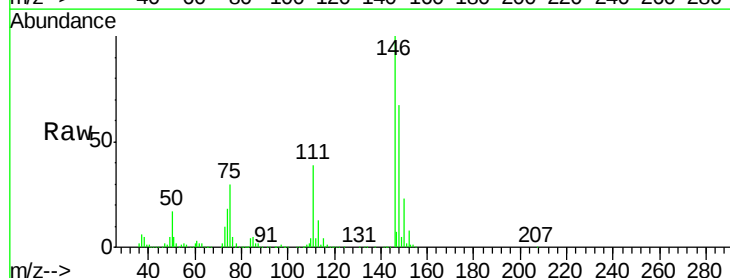
Manual Integrations
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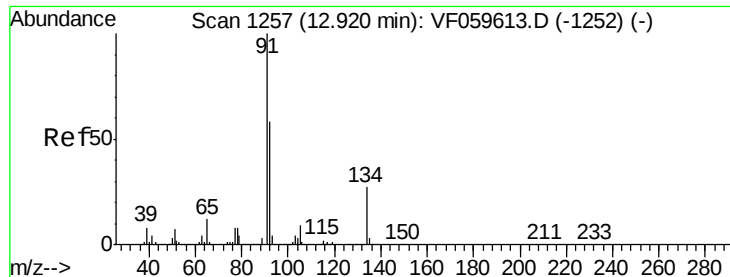
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#88
 1,4-Dichlorobenzene
 Concen: 85.10 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.5	61.5
148	66.7	32.3	96.8





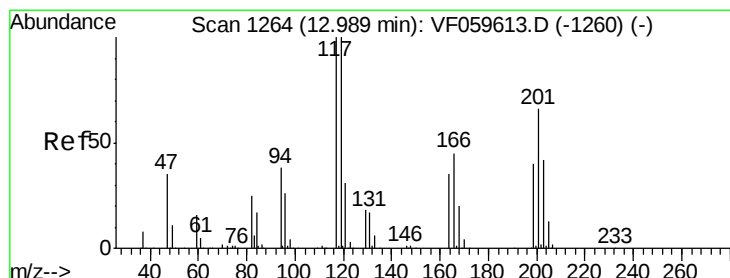
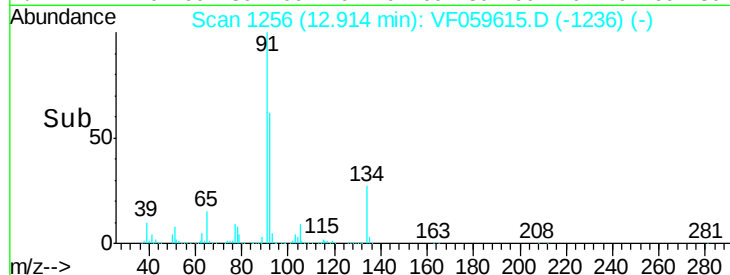
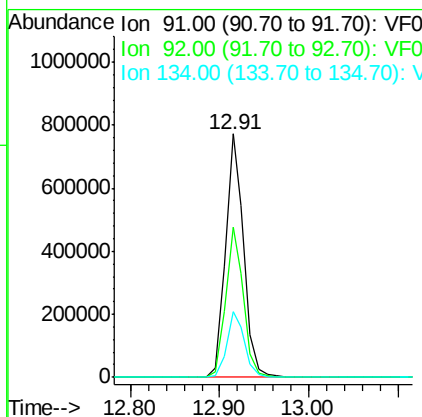
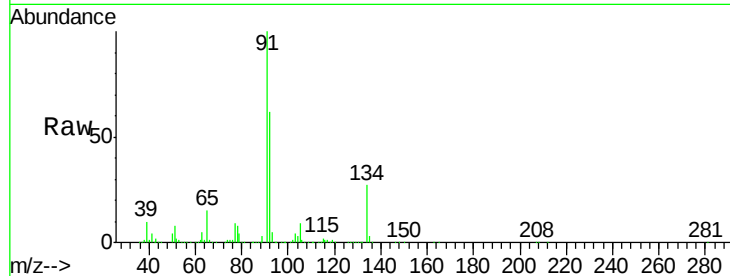
#89
n-Butylbenzene
Concen: 88.56 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.8	28.8	86.4
134	26.8	13.5	40.4

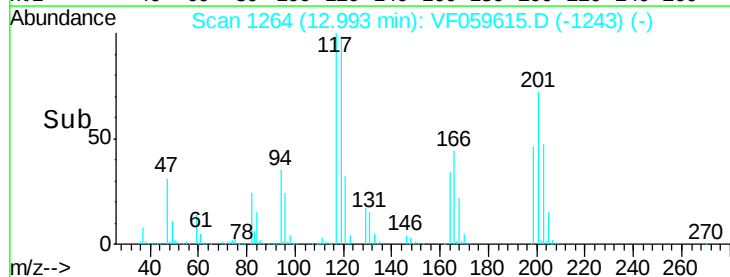
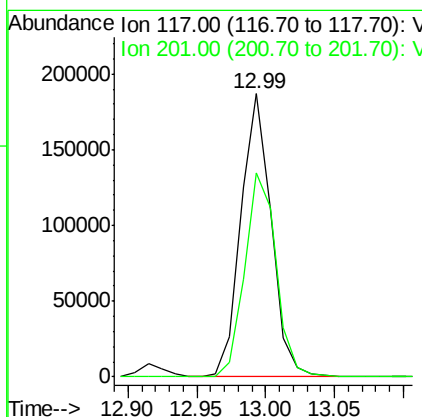
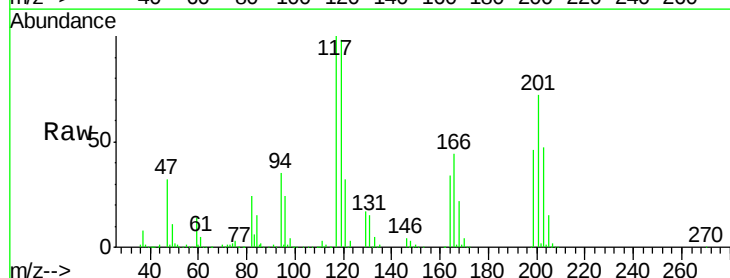
Manual Integrations
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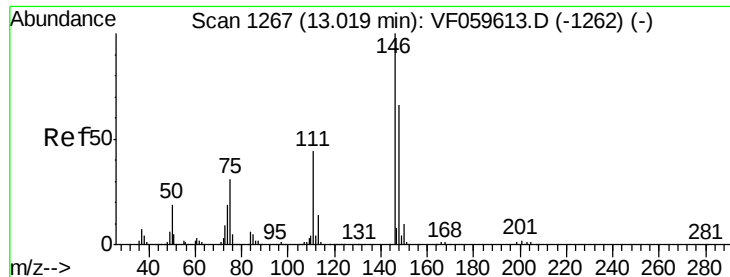
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#90
Hexachloroethane
Concen: 88.99 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.0	33.6	100.6





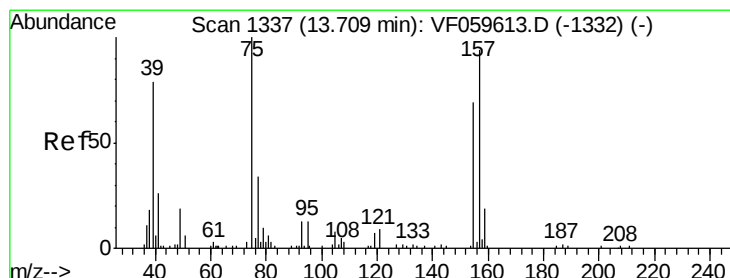
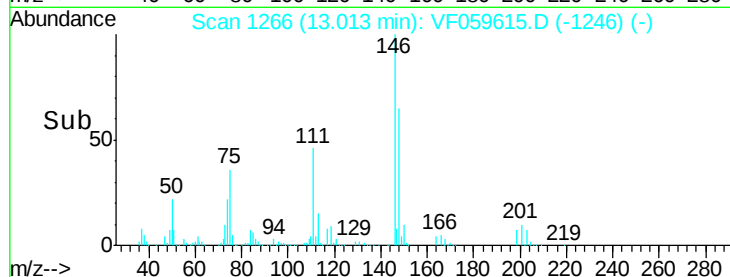
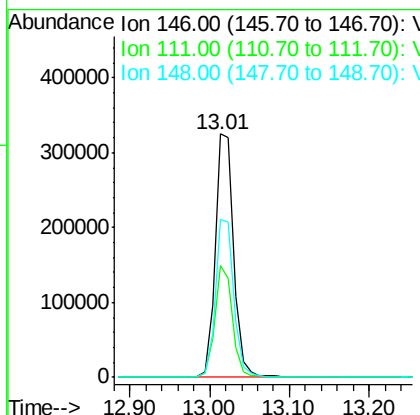
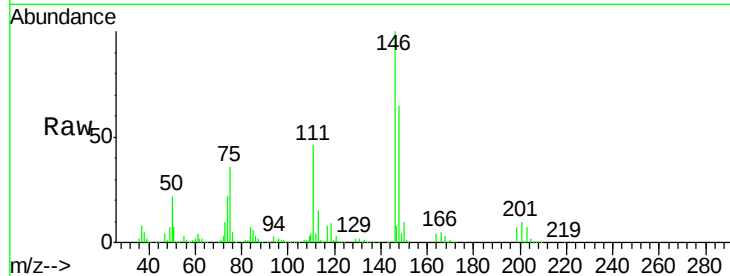
#91
 1,2-Dichlorobenzene
 Concen: 84.77 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	21.8	65.3
148	64.6	32.9	98.7

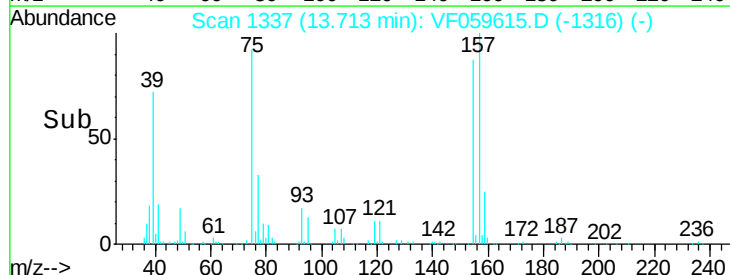
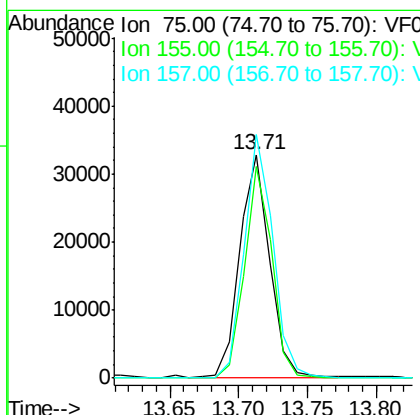
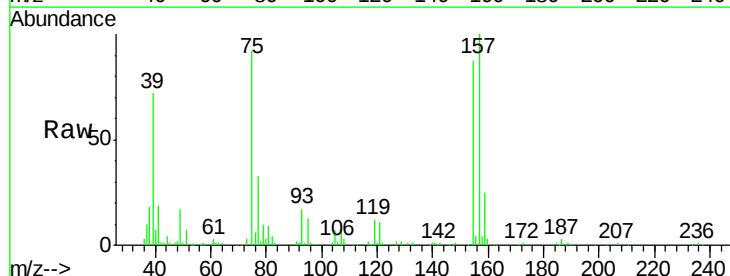
Manual Integrations
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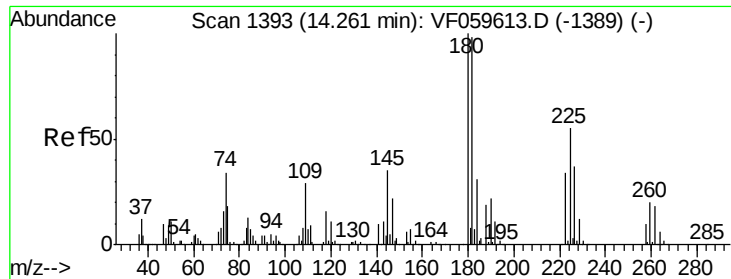
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 81.89 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.0	34.6	103.8
157	108.8	47.0	141.0





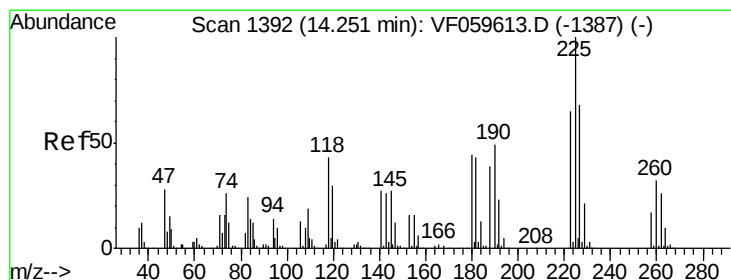
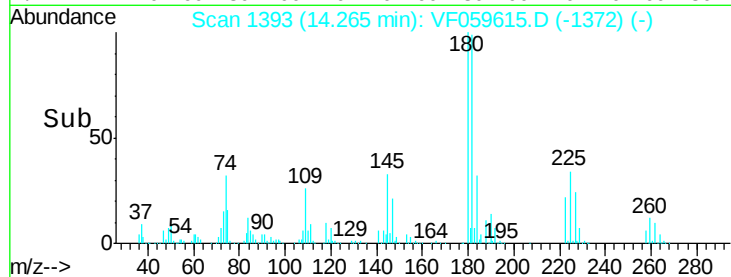
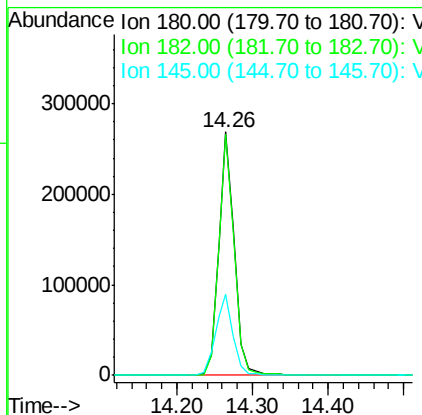
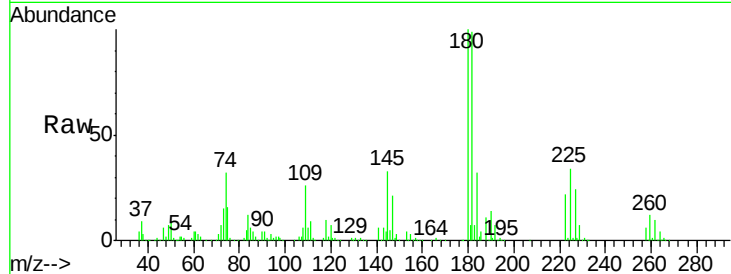
#93
 1,2,4-Trichlorobenzene
 Concen: 86.62 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	389384		
182	98.8	48.8	146.3	
145	33.1	17.5	52.6	

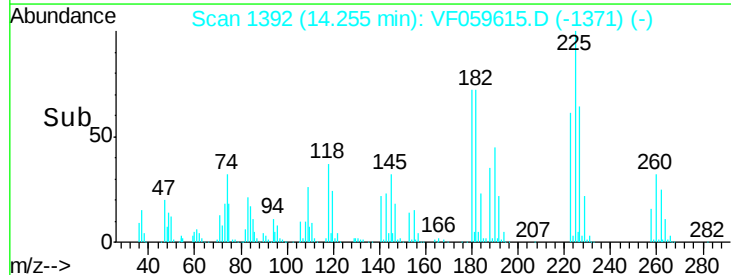
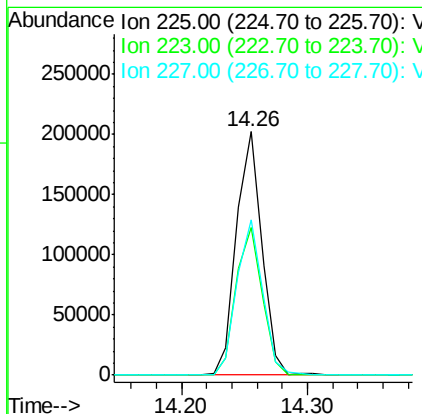
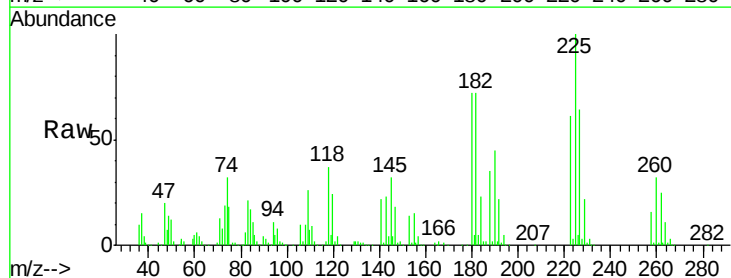
Manual Integrations
 APPROVED

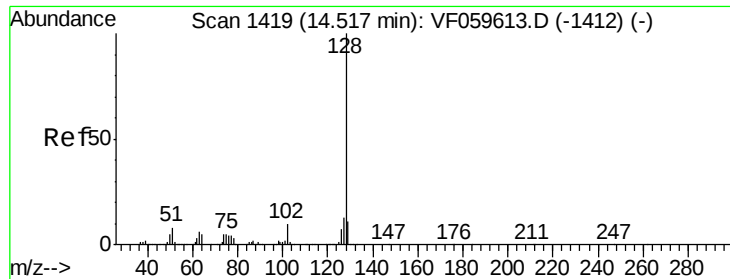
apatel
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#94
 Hexachlorobutadiene
 Concen: 96.49 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	281895		
223	60.8	32.6	98.0	
227	63.6	33.9	101.6	





#95

Naphthalene

Concen: 87.47 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

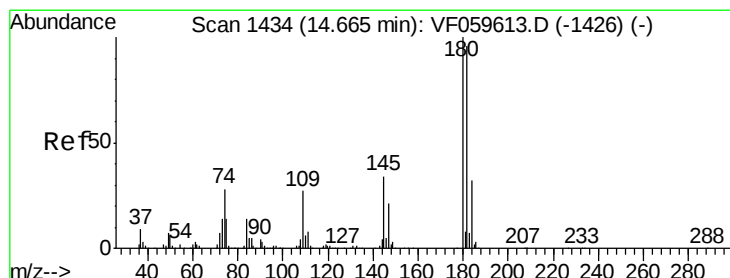
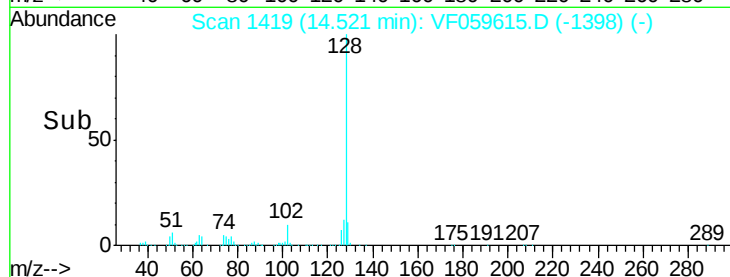
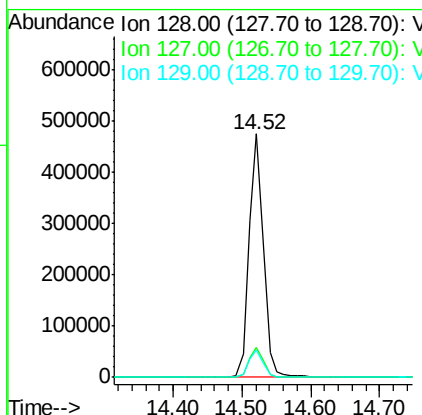
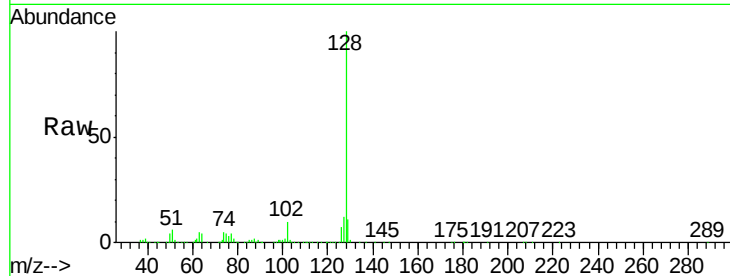
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	684796
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.2	15.2
129	11.3	9.1	13.7

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 92.80 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Tgt Ion:	180	Resp:	381374
Ion Ratio	Lower	Upper	
180	100		
182	97.5	48.0	144.2
145	30.3	17.1	51.2

