

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059614.D
 Acq On : 23 Jul 2018 14:46
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

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 7/24/2018 1:13:39 PM

Quant Time: Jul 23 15:06:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 23 15:04:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	234705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	325662	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	334307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	215113	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	265118	72.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.36%	
35) Dibromofluoromethane	4.29	113	215879	73.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.82%	
50) Toluene-d8	7.70	98	544901	76.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.00%	
62) 4-Bromofluorobenzene	11.51	95	300396	72.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	196486	66.12	ug/l	87
3) Chloromethane	1.09	50	88760	61.31	ug/l	93
4) Vinyl Chloride	1.15	62	106251	68.03	ug/l #	84
5) Bromomethane	1.33	94	79171	61.11	ug/l	90
6) Chloroethane	1.42	64	60917	66.89	ug/l	94
7) Trichlorofluoromethane	1.48	101	283993m	69.43	ug/l	
8) Diethyl Ether	1.70	74	43801	68.04	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	131299	64.20	ug/l	93
10) Methyl Iodide	1.95	142	231042	67.99	ug/l	96
11) Tert butyl alcohol	2.68	59	46430	293.64	ug/l	96
12) 1,1-Dichloroethene	1.85	96	108478	63.43	ug/l	98
13) Acrolein	2.08	56	27573	398.95	ug/l	95
14) Allyl chloride	2.18	41	189267	67.70	ug/l	92
15) Acrylonitrile	3.07	53	81172	314.03	ug/l	96
16) Acetone	2.33	43	197508	312.32	ug/l	96
17) Carbon Disulfide	1.84	76	272573m	61.68	ug/l	
18) Methyl Acetate	2.45	43	61162	51.21	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	327817	64.92	ug/l	99
20) Methylene Chloride	2.27	84	98475m	51.09	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	106868	61.89	ug/l	94
22) Diisopropyl ether	2.92	45	363490	62.77	ug/l	96
23) Vinyl Acetate	3.32	43	933199	310.45	ug/l	100
24) 1,1-Dichloroethane	2.99	63	265434	67.35	ug/l	98
25) 2-Butanone	4.51	43	213240	300.82	ug/l	99
26) 2,2-Dichloropropane	3.75	77	215091	70.05	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	133785	68.99	ug/l	98
28) Bromochloromethane	3.88	49	92830	60.70	ug/l	94
29) Tetrahydrofuran	4.25	42	82594	275.35	ug/l	95
30) Chloroform	4.02	83	359132	65.61	ug/l	98
31) Cyclohexane	3.86	56	139732	64.04	ug/l	89
32) 1,1,1-Trichloroethane	4.26	97	314106	68.69	ug/l	98
36) 1,1-Dichloropropene	4.45	75	225964	68.40	ug/l #	92
37) Ethyl Acetate	4.27	43	91061	61.75	ug/l #	70
38) Carbon Tetrachloride	4.16	117	336736	68.81	ug/l	96

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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)
39) Methylcyclohexane	5.62	83	177621	67.70	ug/l	94
40) Benzene	4.80	78	399609	65.34	ug/l	99
41) Methacrylonitrile	4.91	41	44171	58.01	ug/l #	72
42) 1,2-Dichloroethane	5.11	62	270541	64.83	ug/l	99
43) Isopropyl Acetate	7.10	43	115659	60.55	ug/l #	97
44) Trichloroethene	5.67	130	151908	64.95	ug/l	95
45) 1,2-Dichloropropane	6.39	63	110713	66.21	ug/l	98
46) Dibromomethane	6.24	93	97262	68.10	ug/l	99
47) Bromodichloromethane	6.54	83	279270	66.90	ug/l #	95
48) Methyl methacrylate	6.86	41	84963	59.68	ug/l	97
49) 1,4-Dioxane	6.86	88	12051	1493.57	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	424872	318.30	ug/l	99
52) Toluene	7.77	92	304823	65.76	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	238461	67.40	ug/l	95
54) cis-1,3-Dichloropropene	7.46	75	240501	67.88	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	109175	66.51	ug/l	96
56) Ethyl methacrylate	8.76	69	128095	67.77	ug/l	92
57) 1,3-Dichloropropane	8.99	76	189385	65.99	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	65790	328.28	ug/l	100
59) 2-Hexanone	9.62	43	346513	320.86	ug/l	99
60) Dibromochloromethane	8.85	129	197754	68.86	ug/l	99
61) 1,2-Dibromoethane	9.13	107	125674	65.13	ug/l	99
64) Tetrachloroethene	8.30	164	158730	62.78	ug/l	94
65) Chlorobenzene	9.94	112	390962	62.14	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	182574	64.02	ug/l	95
67) Ethyl Benzene	10.04	91	743851	66.28	ug/l	100
68) m/p-Xylenes	10.26	106	495400	129.15	ug/l	100
69) o-Xylene	10.83	106	276051	65.47	ug/l	97
70) Styrene	10.90	104	418384	66.40	ug/l	99
71) Bromoform	10.89	173	115944	61.84	ug/l	95
73) Isopropylbenzene	11.22	105	859491	62.38	ug/l	98
74) N-amyl acetate	11.46	43	225012	65.53	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	148529	58.84	ug/l	92
76) 1,2,3-Trichloropropane	11.88	75	125877	58.59	ug/l	87
77) Bromobenzene	11.60	156	228814	62.71	ug/l	91
78) n-propylbenzene	11.68	91	982163	59.88	ug/l	98
79) 2-Chlorotoluene	11.81	91	622444	63.08	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	765755	62.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	50669m	47.34	ug/l	
82) 4-Chlorotoluene	11.99	91	685655	62.37	ug/l	93
83) tert-Butylbenzene	12.22	119	760619	63.57	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	779196	62.81	ug/l	96
85) sec-Butylbenzene	12.38	105	999295	65.37	ug/l	98
86) p-Isopropyltoluene	12.53	119	872811	65.54	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	414327	61.00	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	414726	64.11	ug/l	96
89) n-Butylbenzene	12.92	91	836918	65.94	ug/l	97
90) Hexachloroethane	12.99	117	213325	65.28	ug/l	81
91) 1,2-Dichlorobenzene	13.01	146	389784	61.31	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	36588	59.66	ug/l	75

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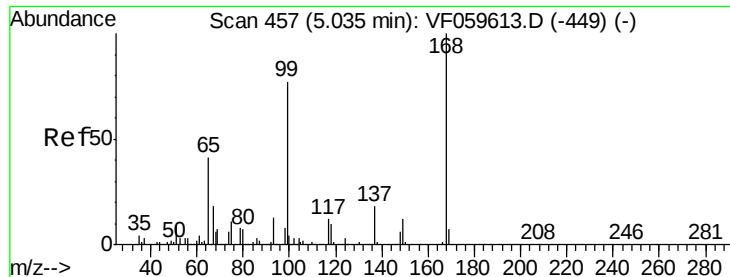
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	297970	65.36	ug/l	98
94) Hexachlorobutadiene	14.26	225	215635	72.77	ug/l	94
95) Naphthalene	14.52	128	525865	66.23	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	291705	69.98	ug/l	98

(#) = 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. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 234705

Ion Ratio Lower Upper

168 100

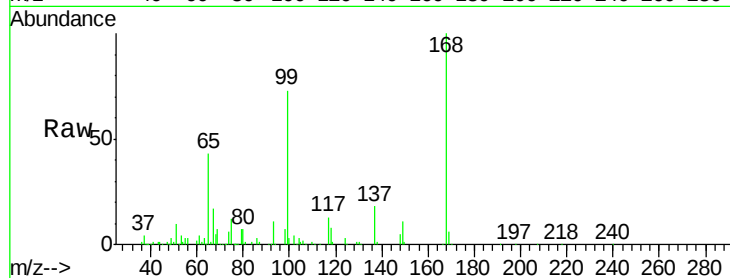
99 73.1 61.5 92.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

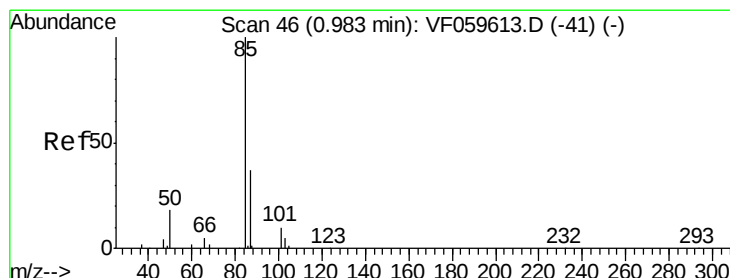
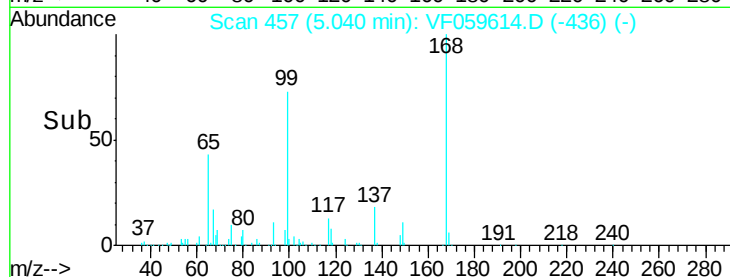
40000

20000

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Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 66.12 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059614.D

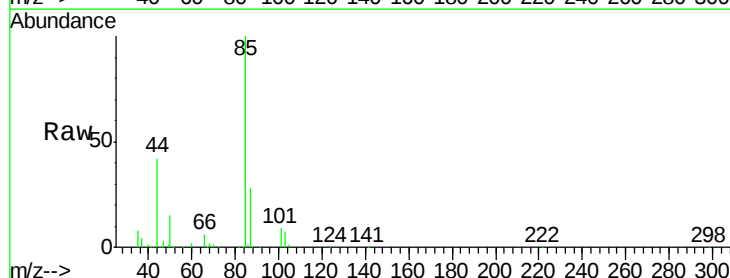
Acq: 23 Jul 2018 14:46

Tgt Ion: 85 Resp: 196486

Ion Ratio Lower Upper

85 100

87 28.9 18.3 54.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

60000

50000

40000

30000

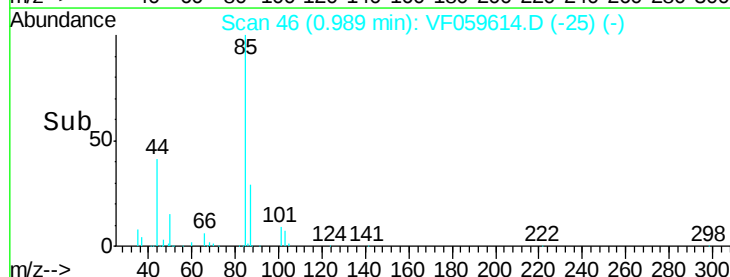
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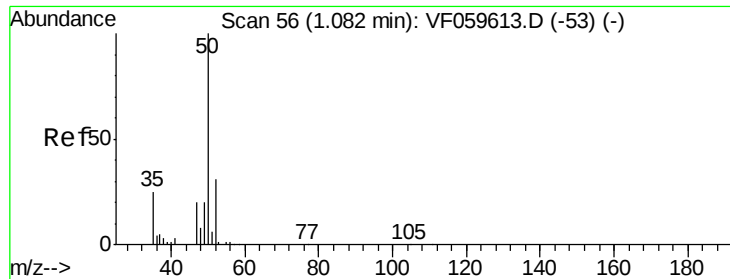
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Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 61.31 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 88760

Ion Ratio Lower Upper

50 100

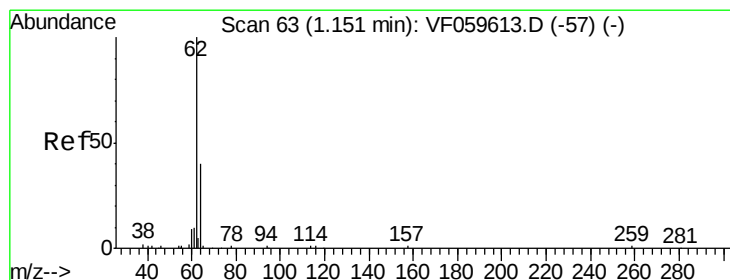
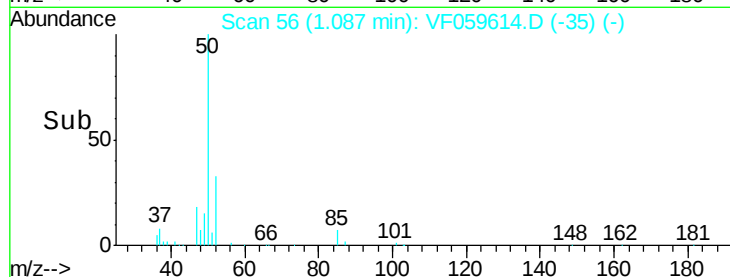
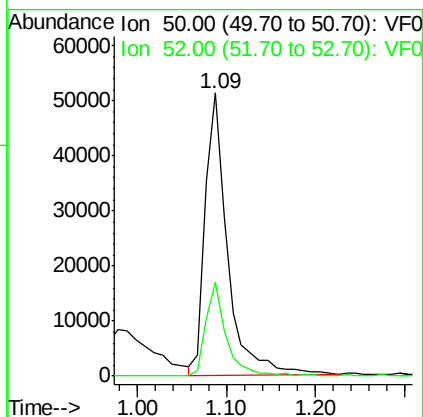
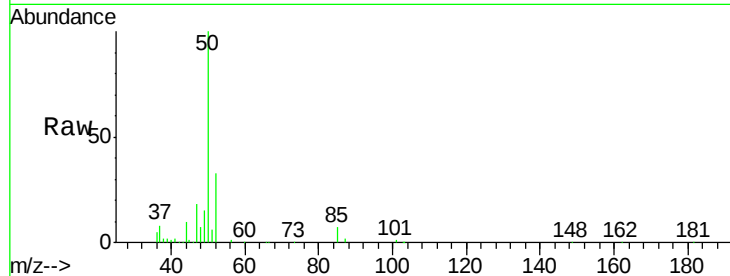
52 33.3 23.7 35.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 68.03 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059614.D

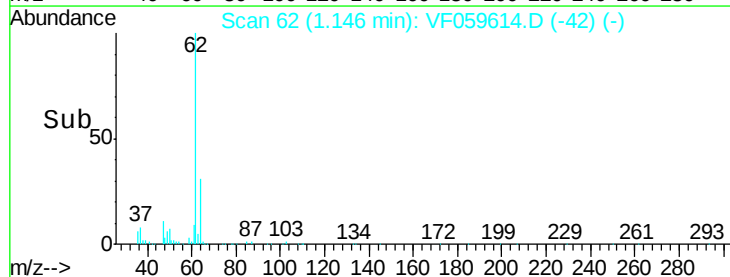
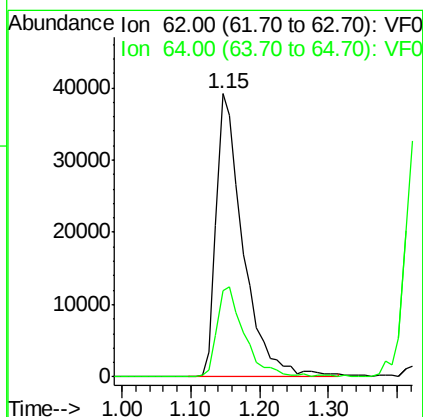
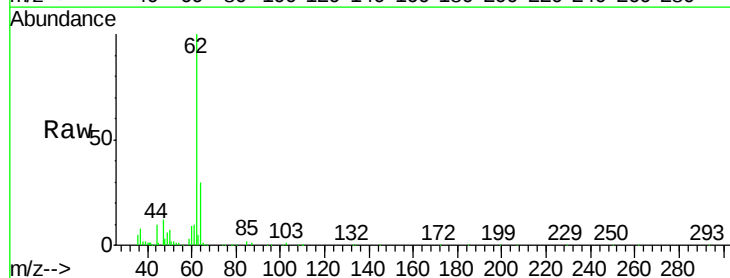
Acq: 23 Jul 2018 14:46

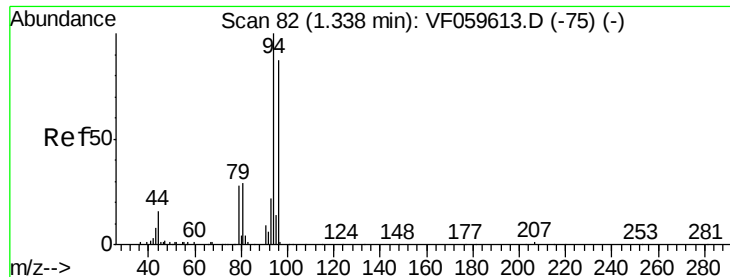
Tgt Ion: 62 Resp: 106251

Ion Ratio Lower Upper

62 100

64 30.4 32.2 48.4#





#5

Bromomethane

Concen: 61.11 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 79171

Ion Ratio Lower Upper

94 100

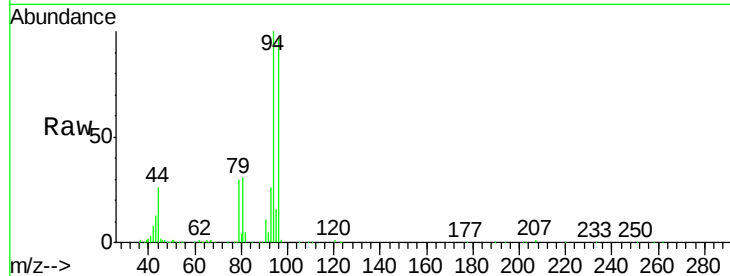
96 96.5 69.8 104.8

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.33

40000

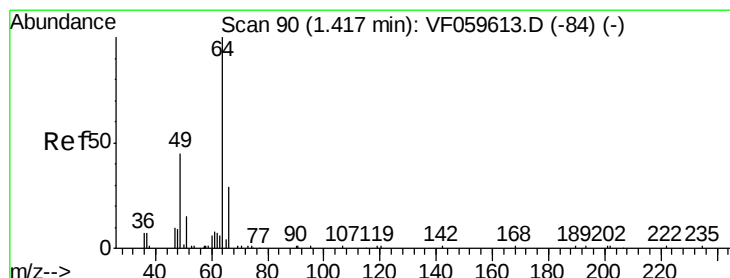
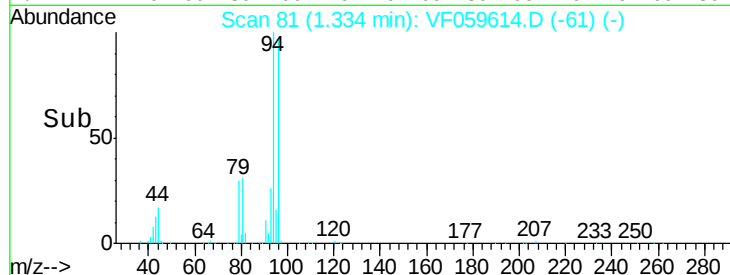
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 66.89 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.01 min

Lab File: VF059614.D

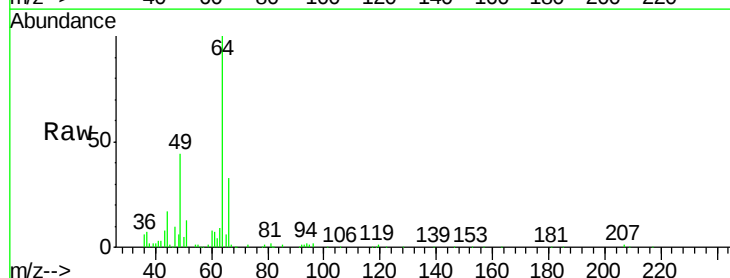
Acq: 23 Jul 2018 14:46

Tgt Ion: 64 Resp: 60917

Ion Ratio Lower Upper

64 100

66 32.9 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.42

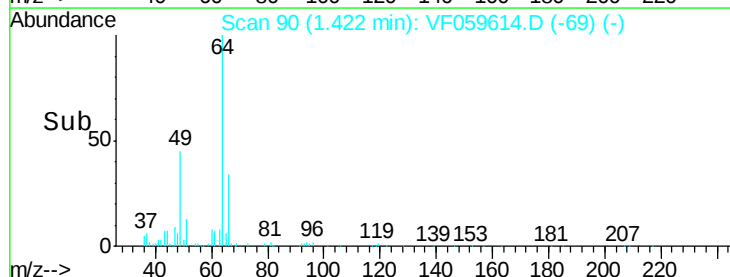
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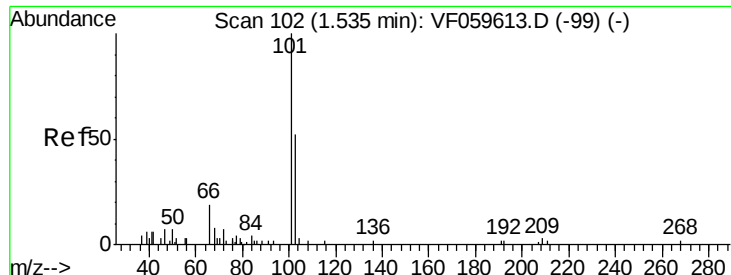
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Time-->





#7

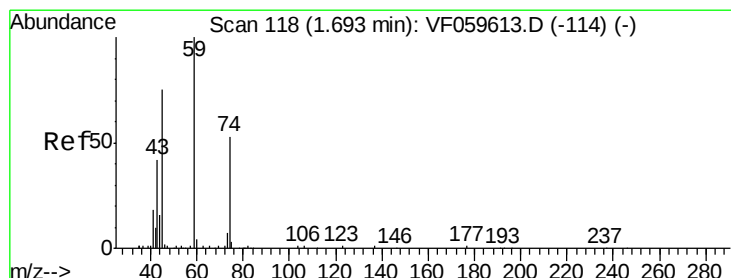
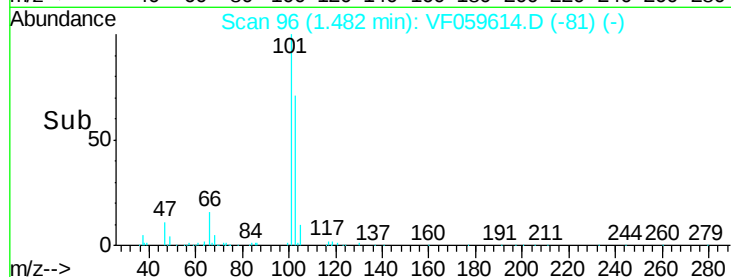
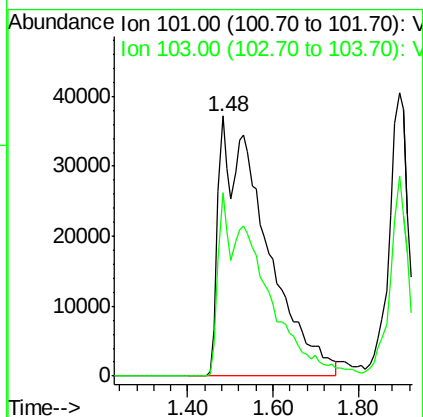
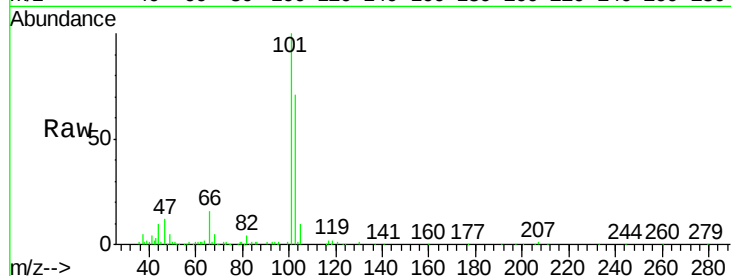
Trichlorofluoromethane
Concen: 69.43 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. -0.05 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:101 Resp: 283993
Ion Ratio Lower Upper
101 100
103 70.7 48.2 72.4

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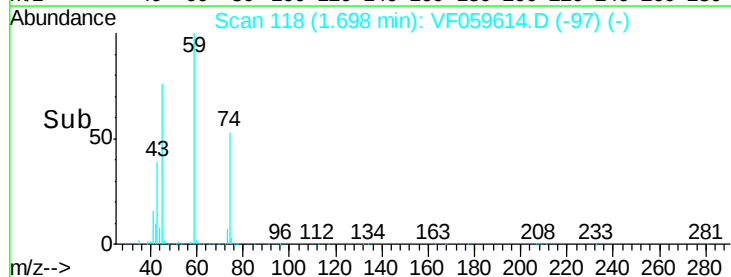
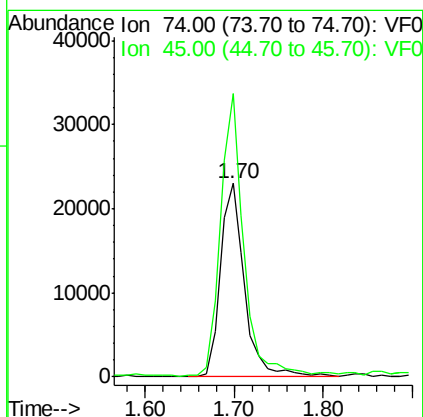
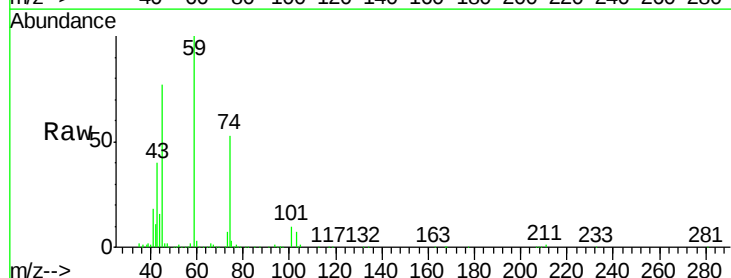
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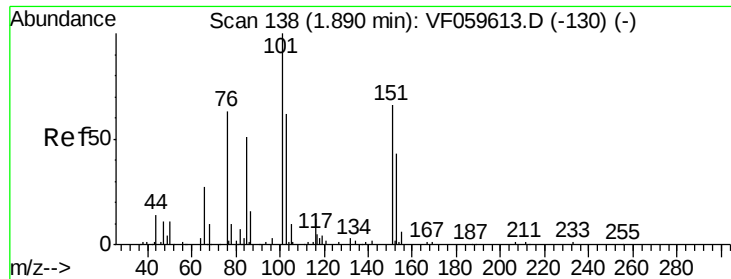


#8

Diethyl Ether
Concen: 68.04 ug/l
RT: 1.70 min Scan# 118
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion: 74 Resp: 43801
Ion Ratio Lower Upper
74 100
45 146.4 72.0 215.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 64.20 ug/l

RT: 1.90 min Scan# 138

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

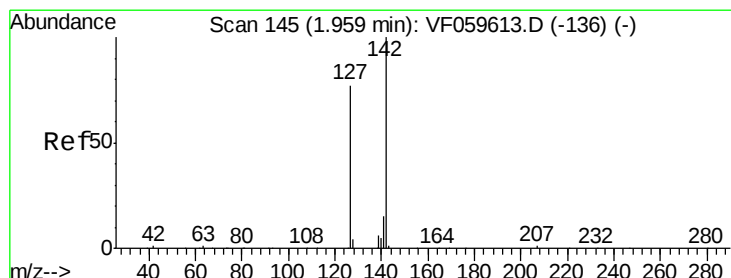
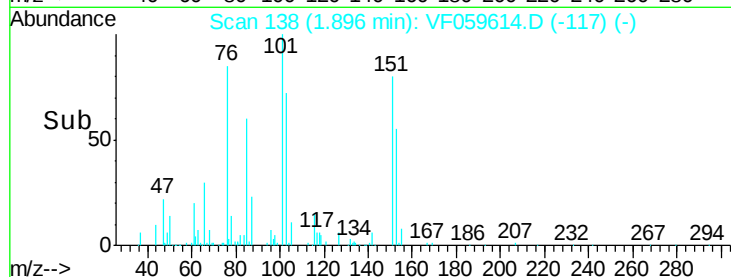
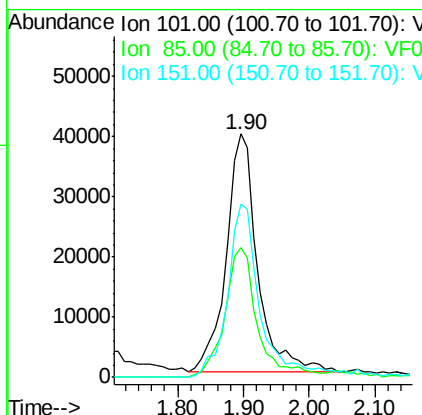
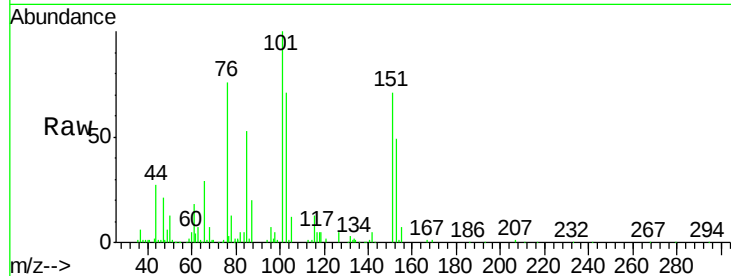
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	131299
Ion Ratio	Lower	Upper	
101	100		
85	53.5	40.2	60.2
151	71.3	51.4	77.2

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#10

Methyl Iodide

Concen: 67.99 ug/l

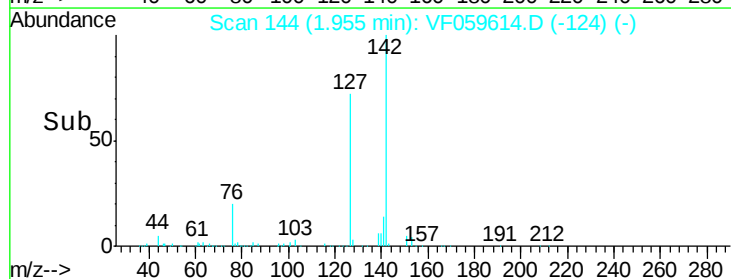
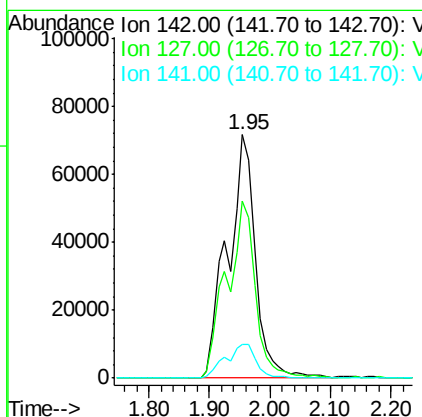
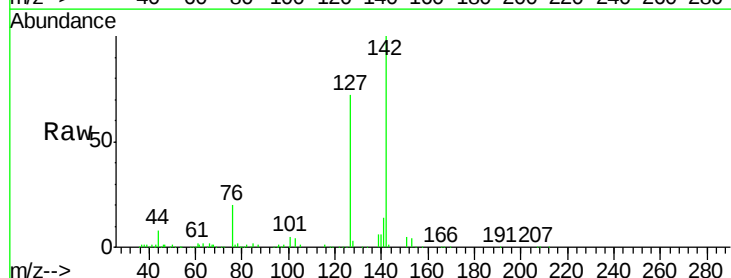
RT: 1.95 min Scan# 144

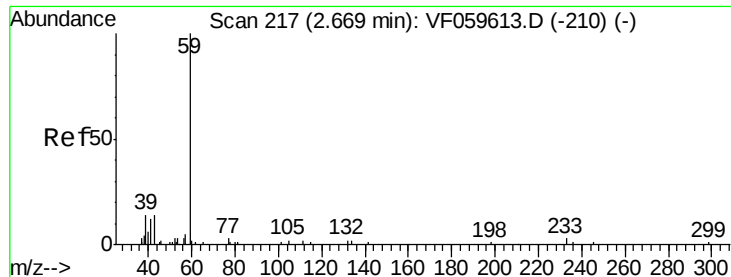
Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Tgt Ion:	142	Resp:	231042
Ion Ratio	Lower	Upper	
142	100		
127	72.5	61.2	91.8
141	14.0	12.0	18.0





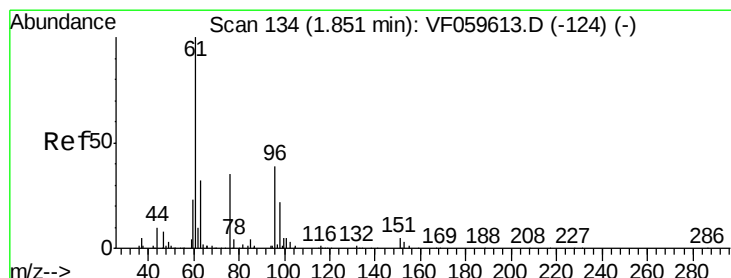
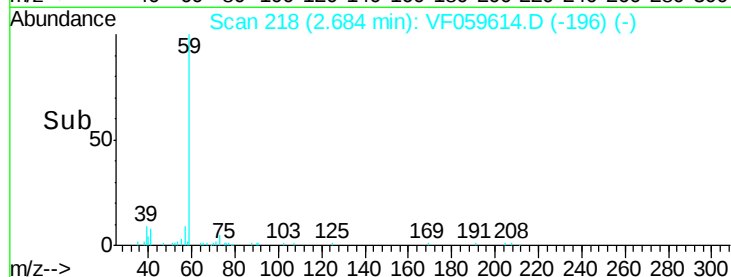
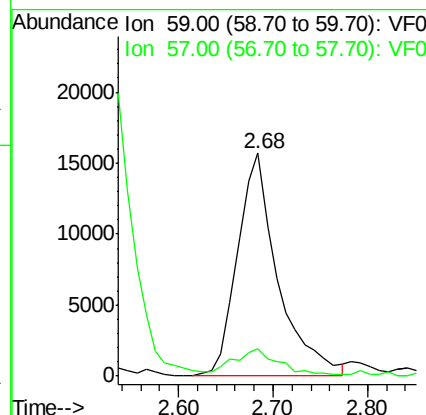
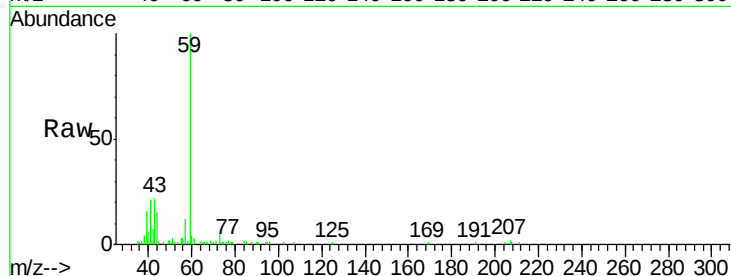
#11
Tert butyl alcohol
Concen: 293.64 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.02 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 59 Resp: 46430
Ion Ratio Lower Upper
59 100
57 12.2 8.6 12.8

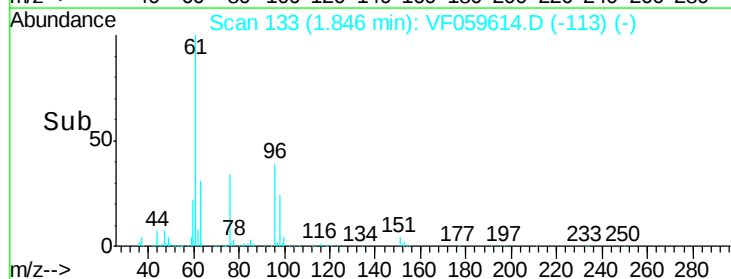
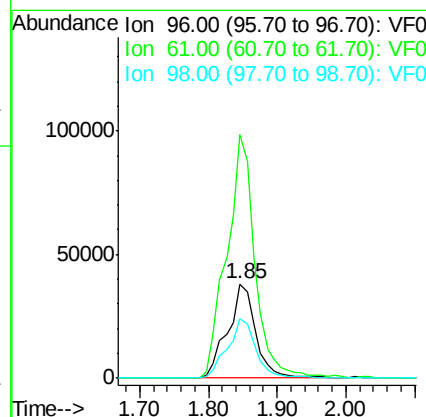
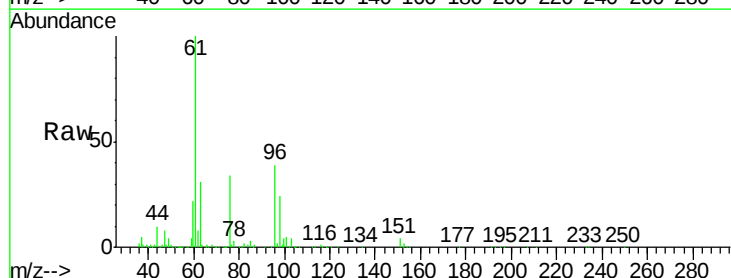
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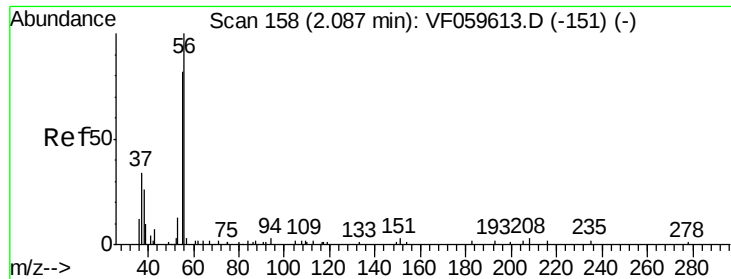
apatel
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#12
1,1-Dichloroethene
Concen: 63.43 ug/l
RT: 1.85 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion: 96 Resp: 108478
Ion Ratio Lower Upper
96 100
61 258.0 207.2 310.8
98 62.5 45.5 68.3





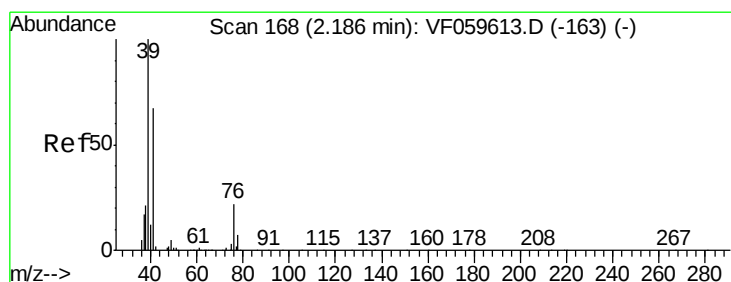
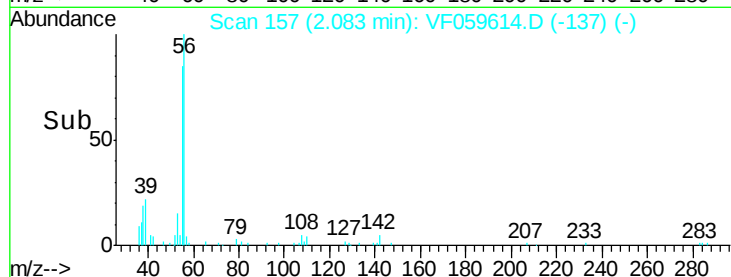
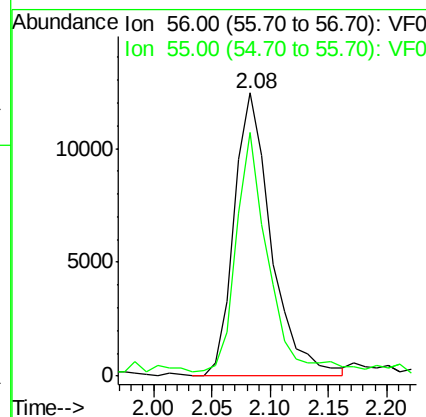
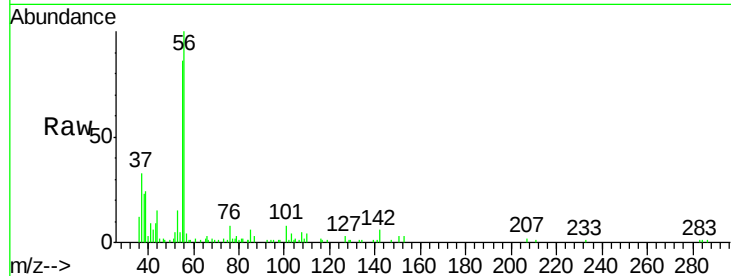
#13
Acrolein
Concen: 398.95 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
56	100		
55	86.3	65.6	98.4

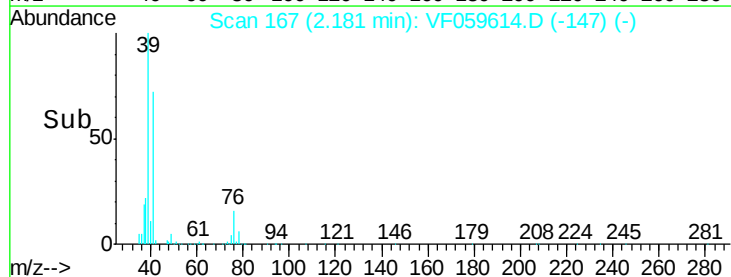
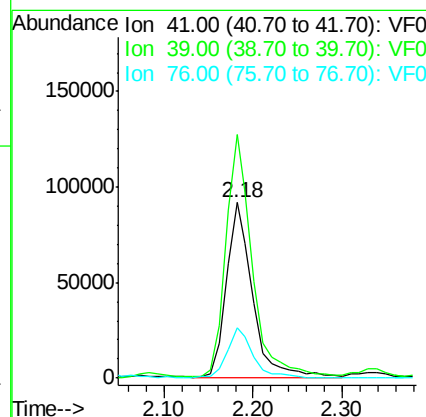
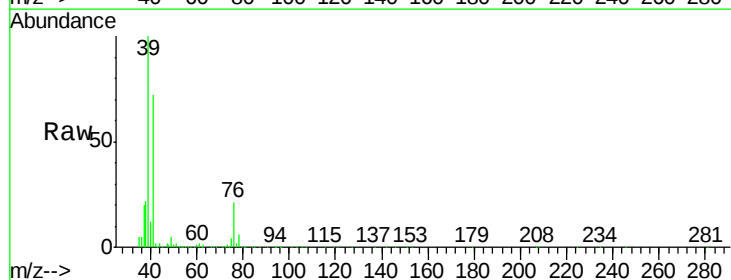
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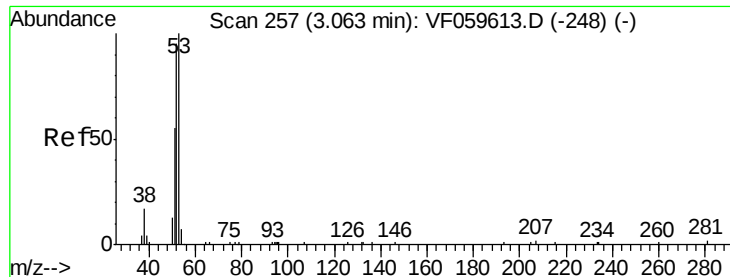
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#14
Allyl chloride
Concen: 67.70 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion	Ratio	Lower	Upper
41	100		
39	139.0	119.0	178.4
76	29.1	26.3	39.5





#15

Acrylonitrile

Concen: 314.03 ug/l

RT: 3.07 min Scan# 257

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

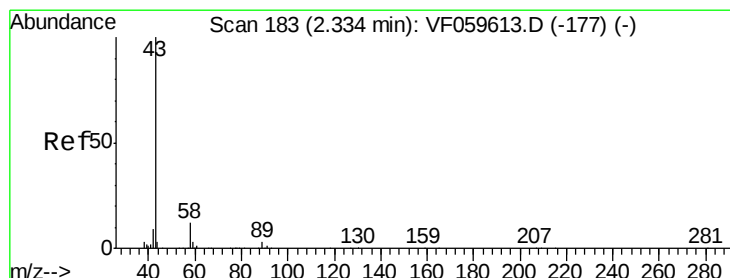
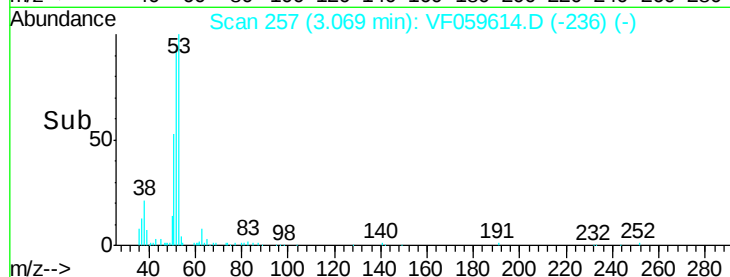
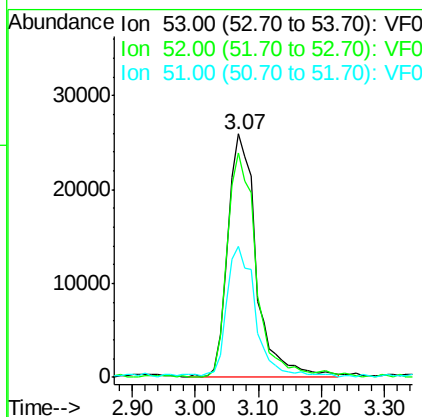
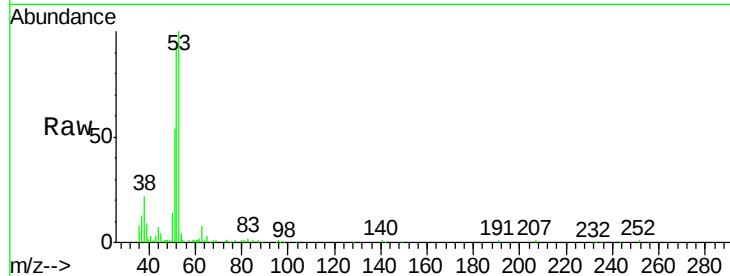
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	81172
Ion Ratio	Lower	Upper	
53	100		
52	92.1	76.2	114.2
51	53.6	45.8	68.8

Manual Integrations
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#16

Acetone

Concen: 312.32 ug/l

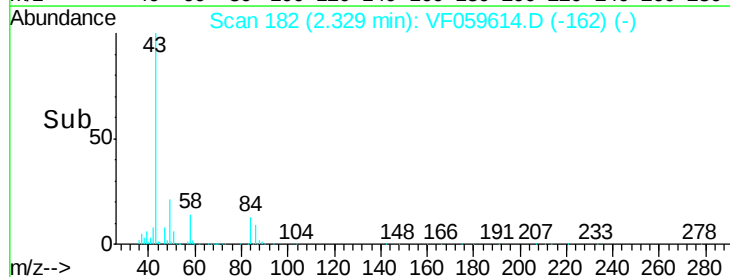
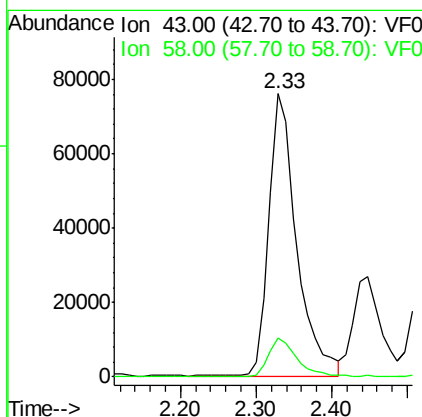
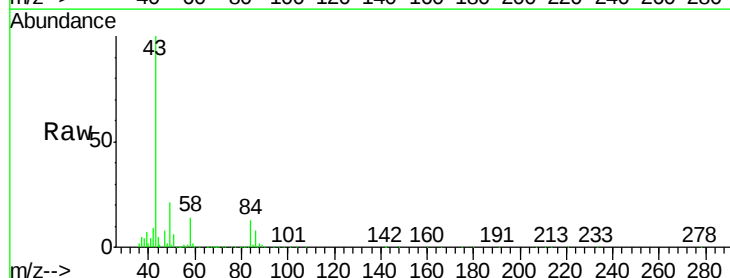
RT: 2.33 min Scan# 182

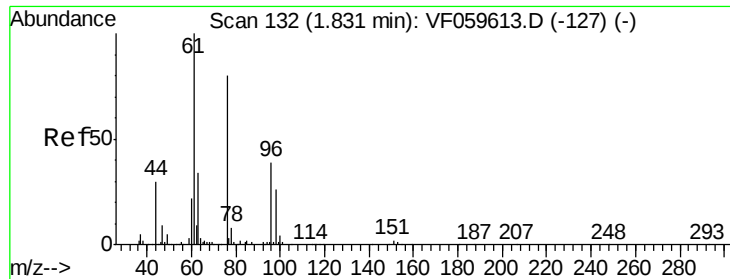
Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Tgt Ion:	43	Resp:	197508
Ion Ratio	Lower	Upper	
43	100		
58	13.8	9.8	14.8





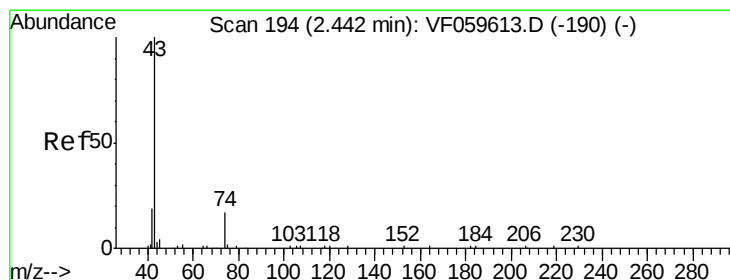
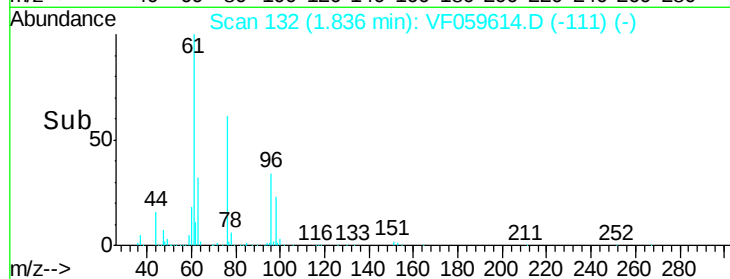
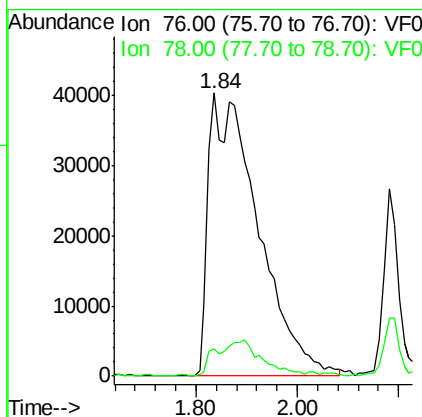
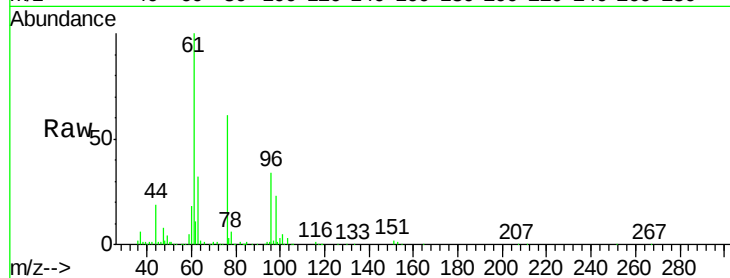
#17
Carbon Disulfide
Concen: 61.68 ug/l m
RT: 1.84 min Scan# 132
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.7	11.5

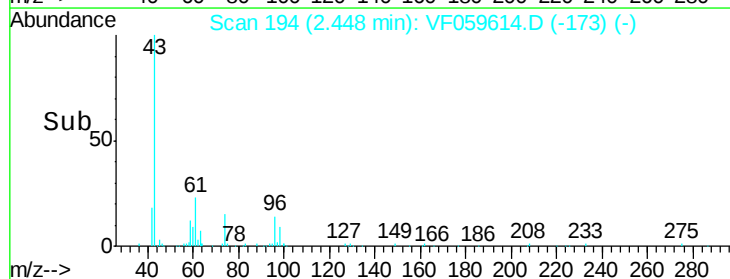
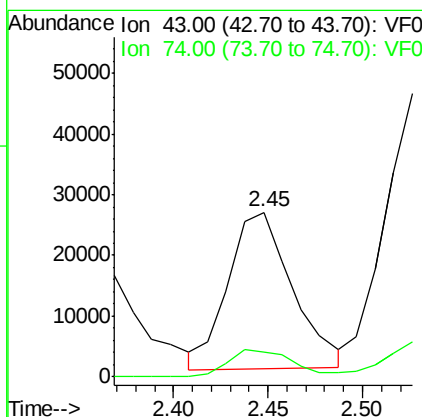
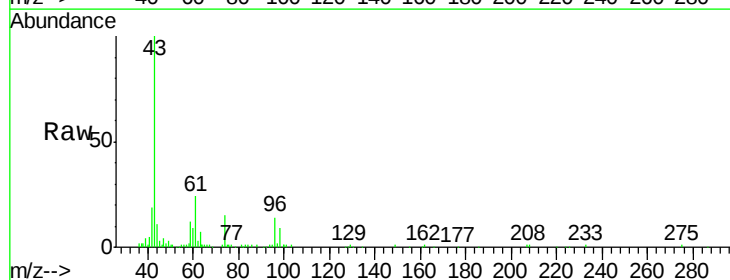
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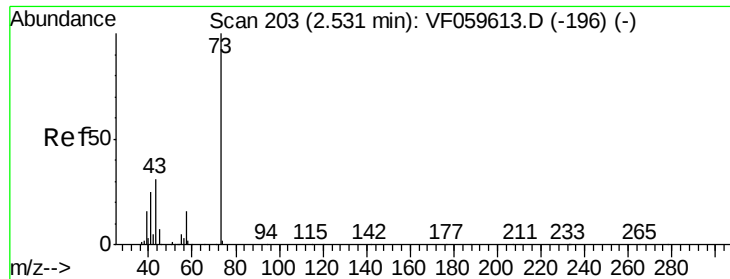
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#18
Methyl Acetate
Concen: 51.21 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.0	11.4	17.0





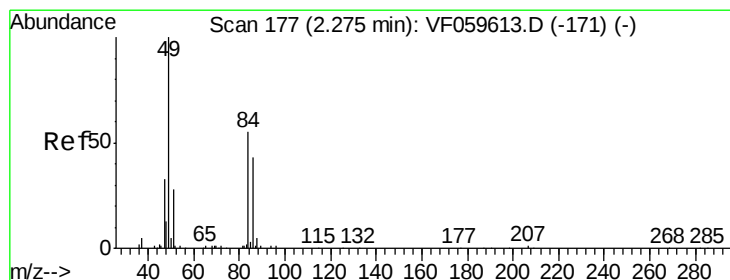
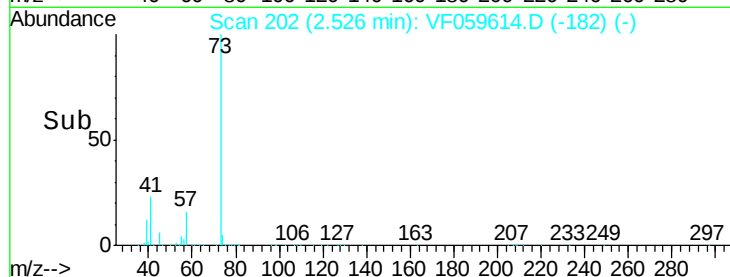
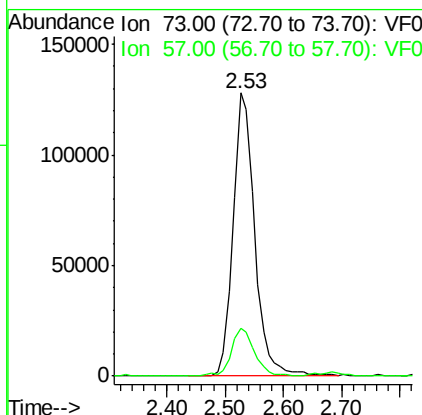
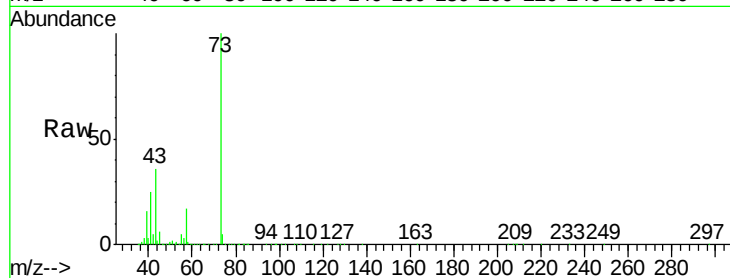
#19
Methvl tert-butvl Ether
Concen: 64.92 ug/l
RT: 2.53 min Scan# 202
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.9	13.2	19.8

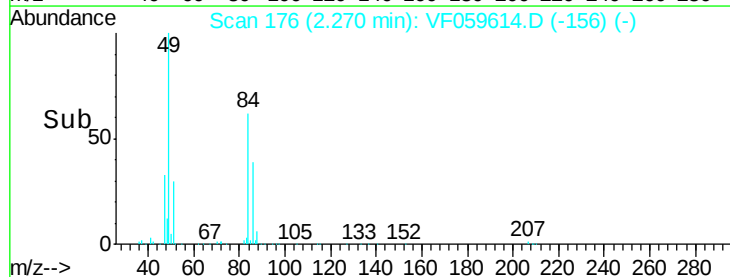
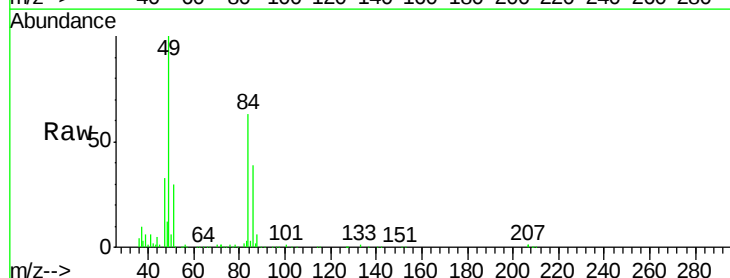
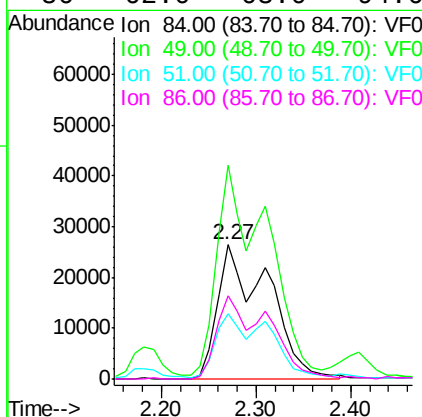
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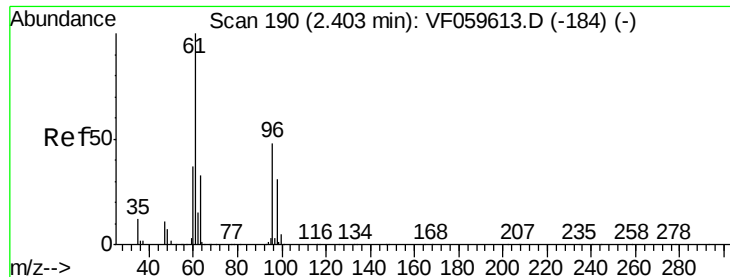
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#20
Methylene Chloride
Concen: 51.09 ug/l m
RT: 2.27 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	159.6	148.6	222.8
51	48.6	42.7	64.1
86	62.0	63.0	94.6#





#21

trans-1,2-Dichloroethene

Concen: 61.89 ug/l

RT: 2.41 min Scan# 190

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

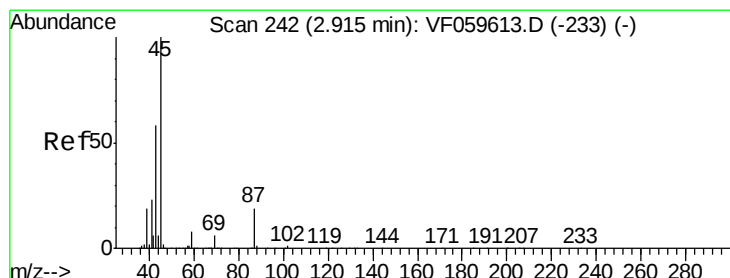
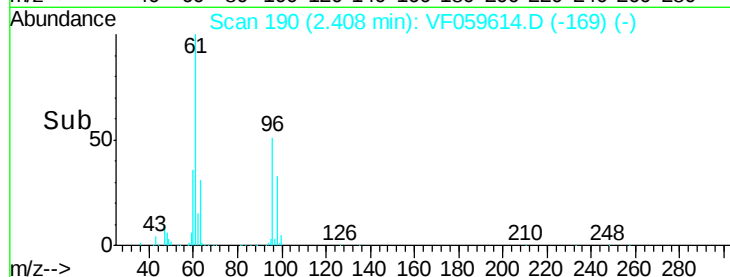
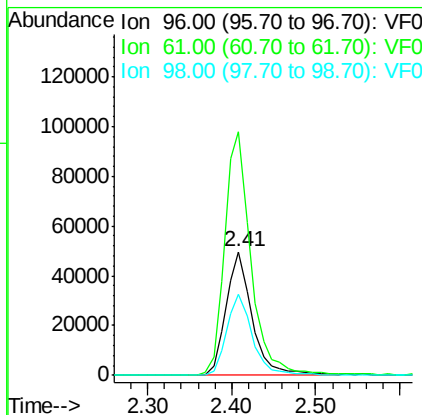
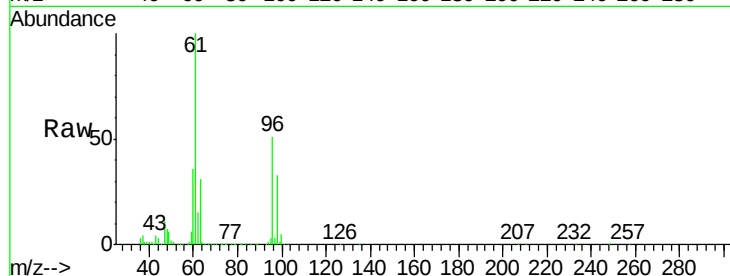
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	106868
Ion	Ratio	Lower	Upper
96	100		
61	196.6	167.0	250.6
98	65.0	51.8	77.8

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#22

Diisopropyl ether

Concen: 62.77 ug/l

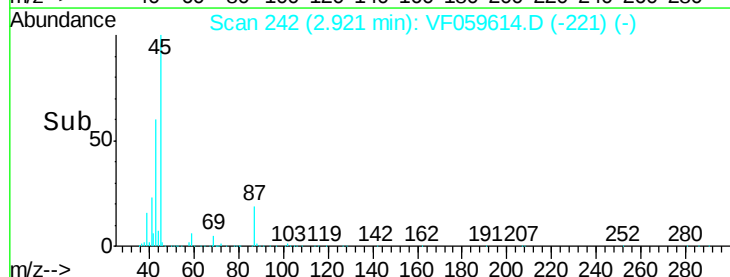
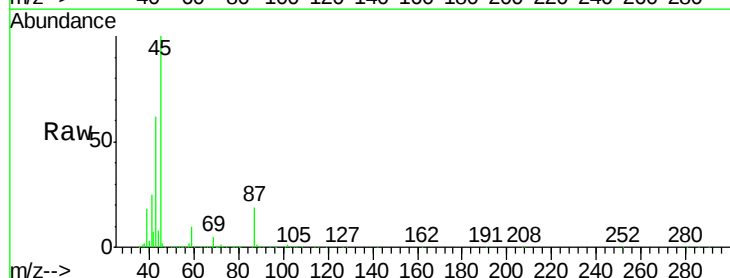
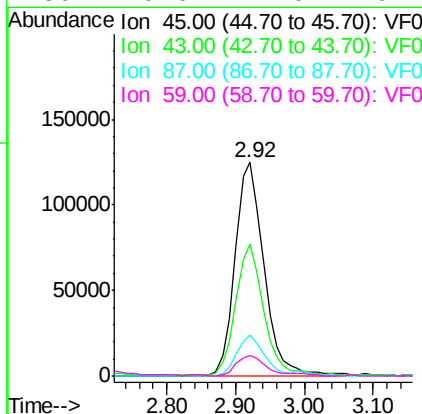
RT: 2.92 min Scan# 242

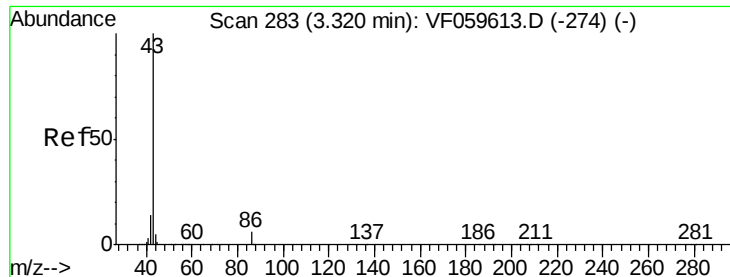
Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Tgt Ion:	45	Resp:	363490
Ion	Ratio	Lower	Upper
45	100		
43	61.6	46.7	70.1
87	19.5	15.0	22.6
59	9.6	7.0	10.4





#23

Vinyl Acetate

Concen: 310.45 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 933199

Ion Ratio Lower Upper

43 100

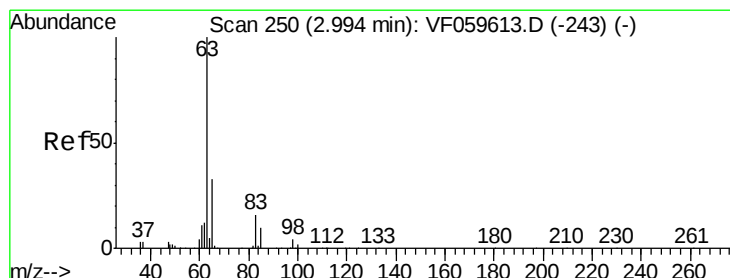
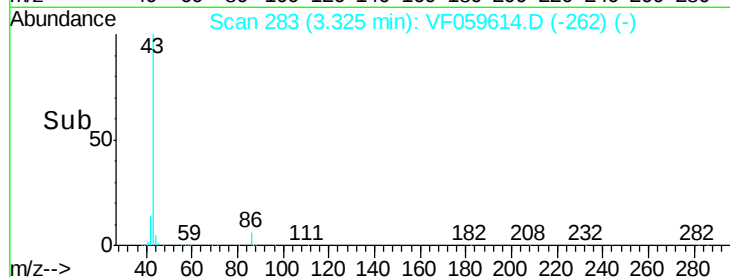
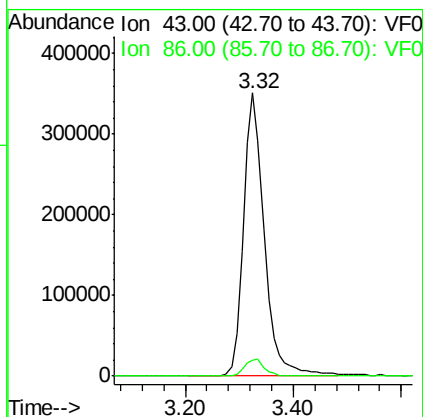
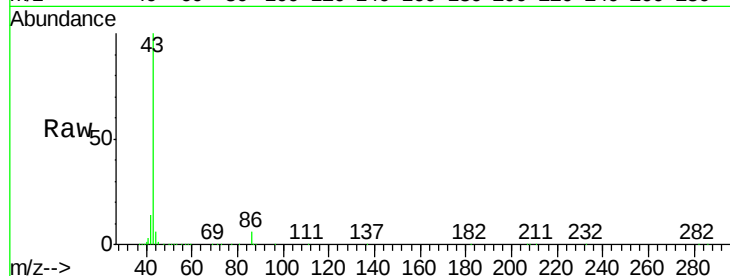
86 5.7 4.6 6.8

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#24

1,1-Dichloroethane

Concen: 67.35 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

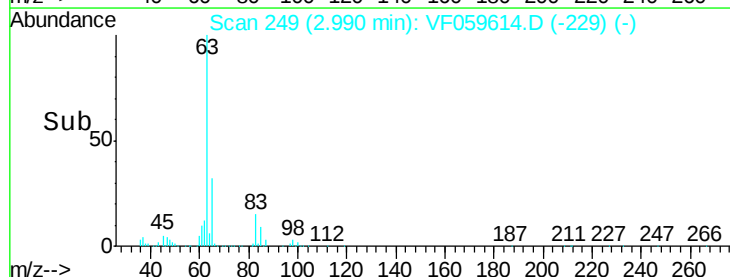
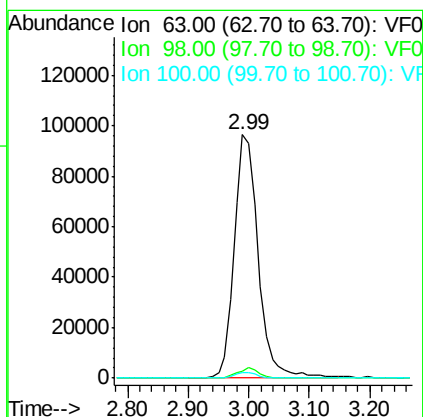
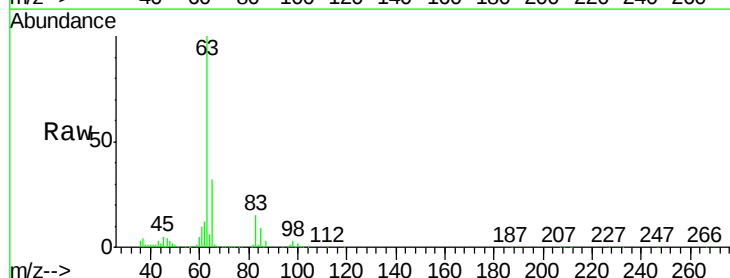
Tgt Ion: 63 Resp: 265434

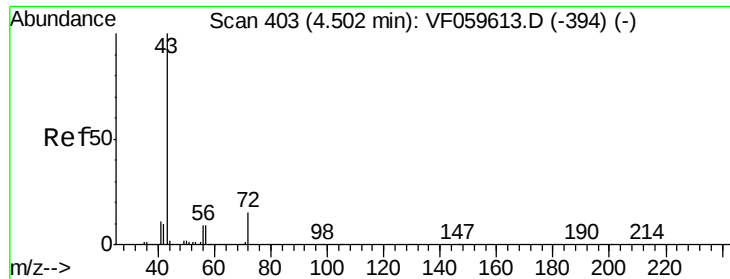
Ion Ratio Lower Upper

63 100

98 2.6 1.9 5.7

100 2.4 1.2 3.6





#25

2-Butanone

Concen: 300.82 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 213240

Ion Ratio Lower Upper

43 100

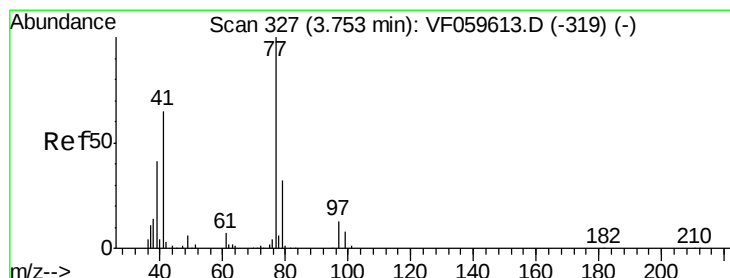
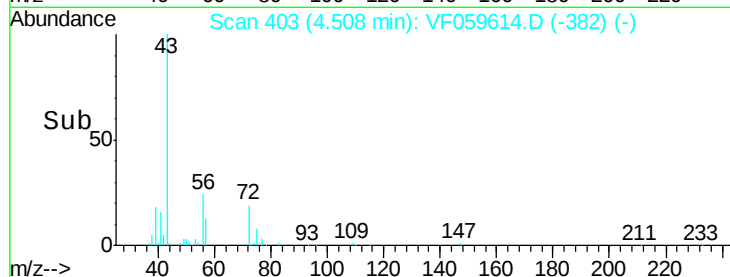
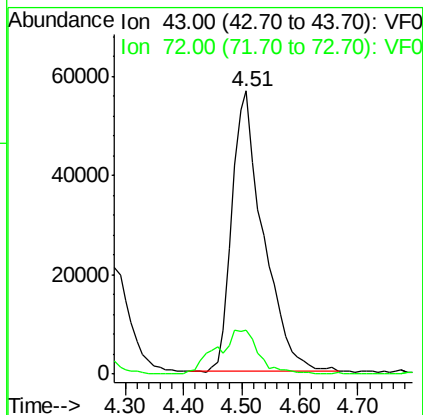
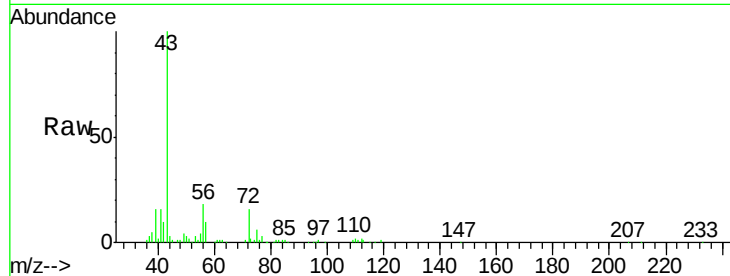
72 15.5 12.9 19.3

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#26

2,2-Dichloropropane

Concen: 70.05 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059614.D

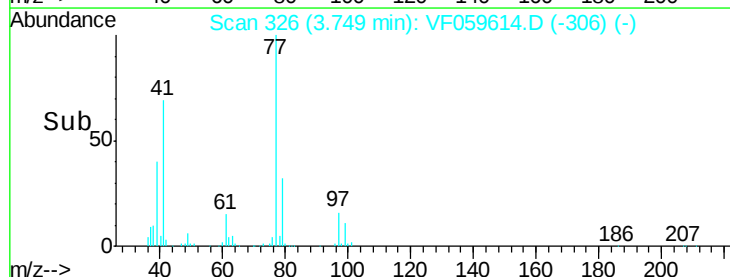
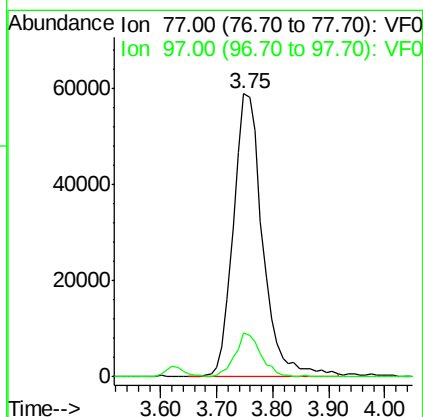
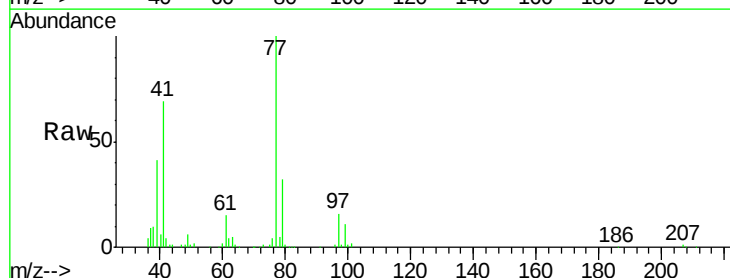
Acq: 23 Jul 2018 14:46

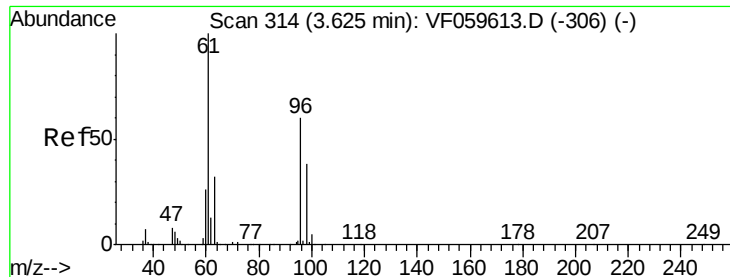
Tgt Ion: 77 Resp: 215091

Ion Ratio Lower Upper

77 100

97 15.5 7.1 21.3





#27

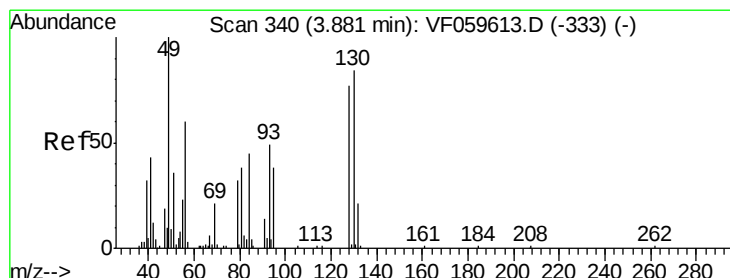
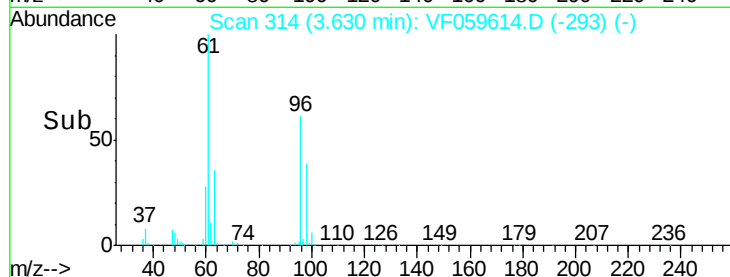
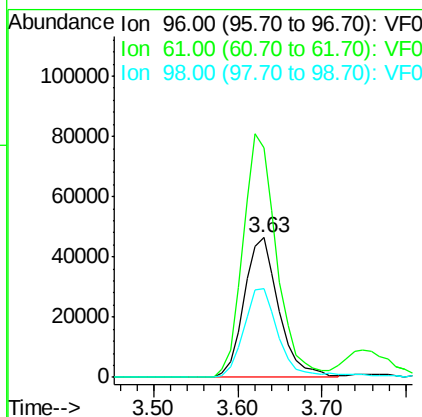
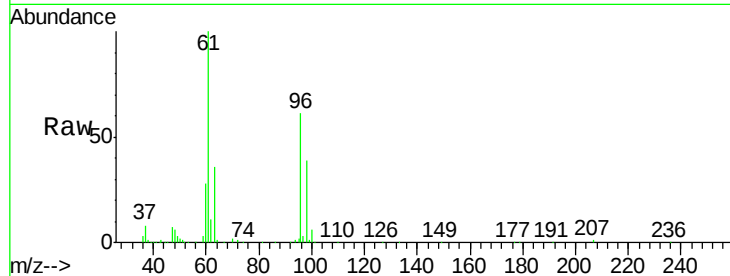
cis-1,2-Dichloroethene
Concen: 68.99 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	133785		
61	164.5	0.0	335.2	
98	63.8	0.0	126.6	

Manual Integrations
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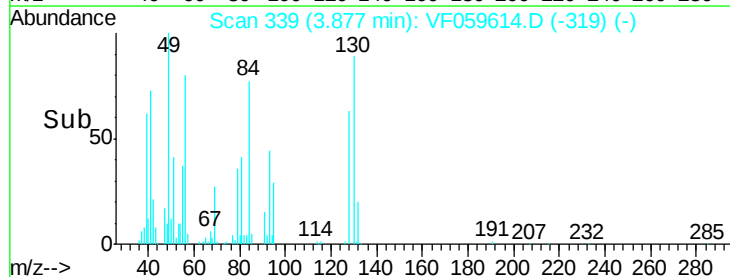
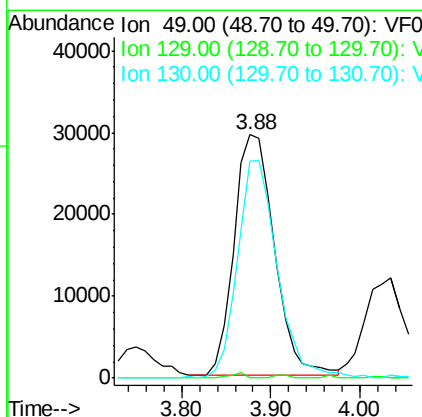
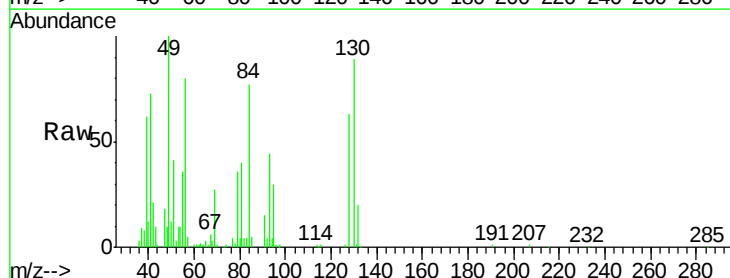
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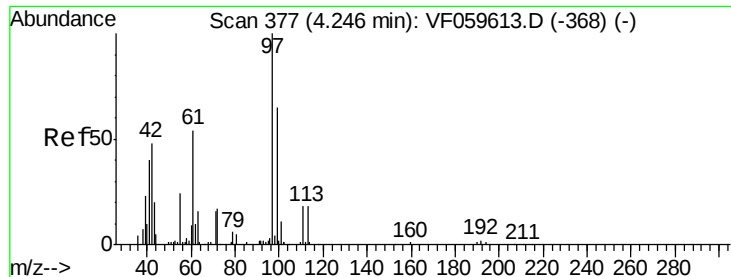


#28

Bromochloromethane
Concen: 60.70 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	92830		
129	0.0	0.0	4.6	
130	89.0	67.1	100.7	





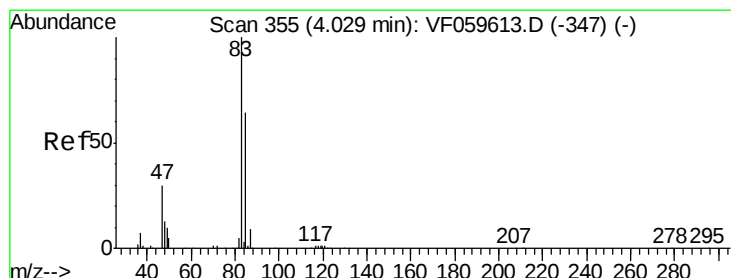
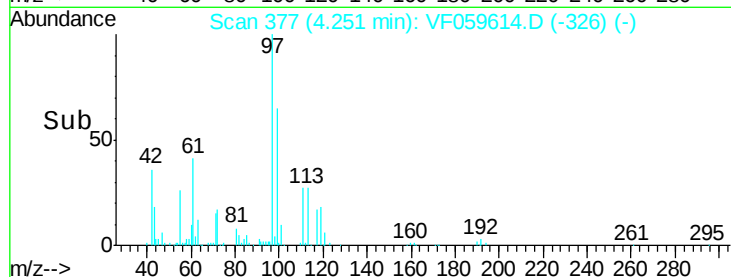
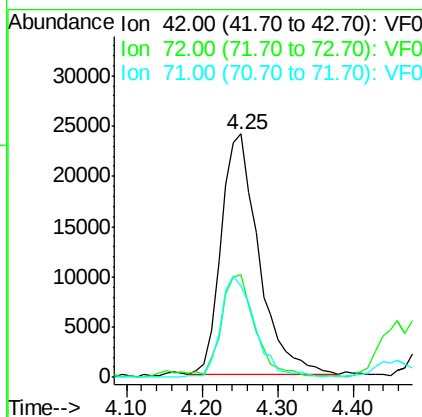
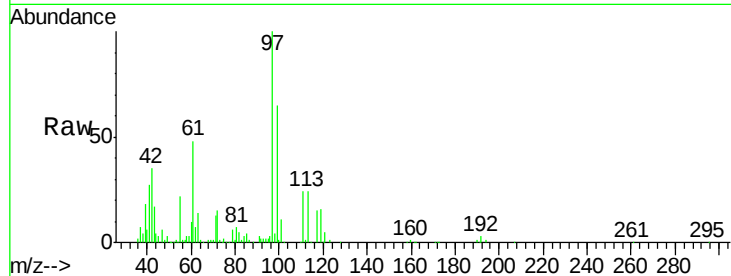
#29
Tetrahydrofuran
Concen: 275.35 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	27.9	41.9
71	38.5	29.3	43.9

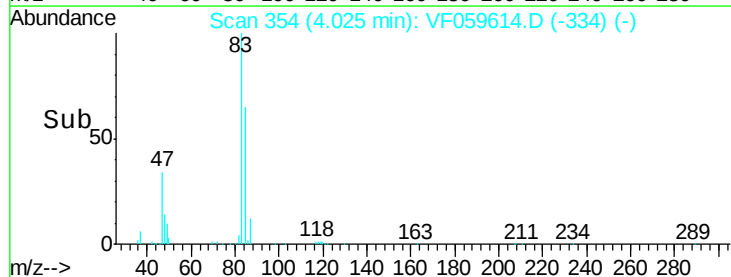
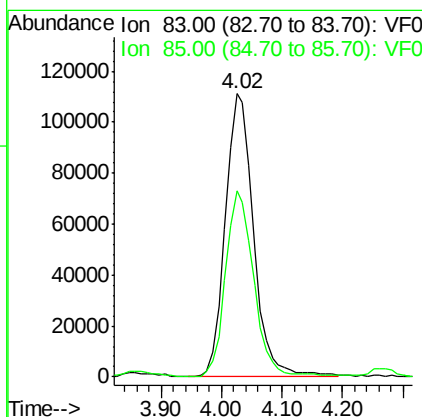
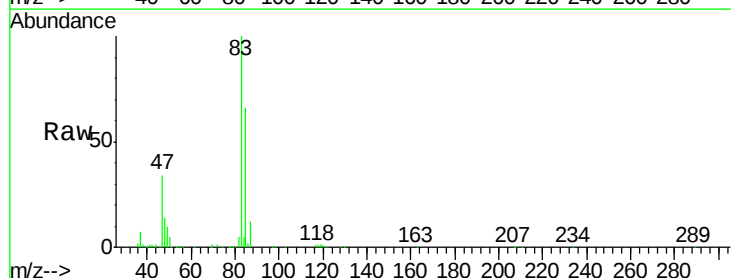
Manual Integrations
APPROVED

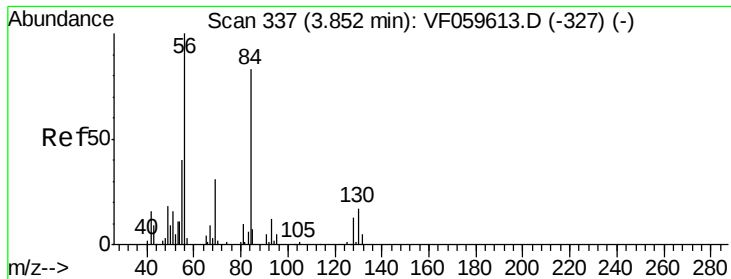
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#30
Chloroform
Concen: 65.61 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.1	76.7





#31

Cyclohexane

Concen: 64.04 ug/l

RT: 3.86 min Scan# 337

Delta R.T. 0.01 min

Lab File: VF059614.D

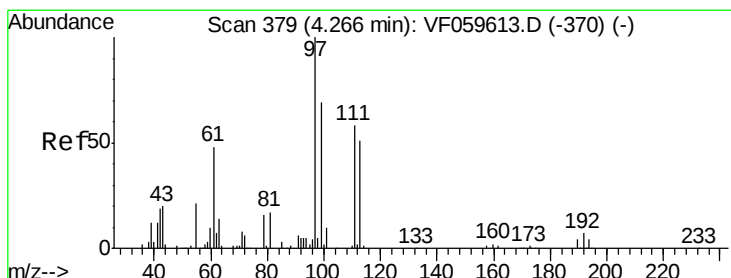
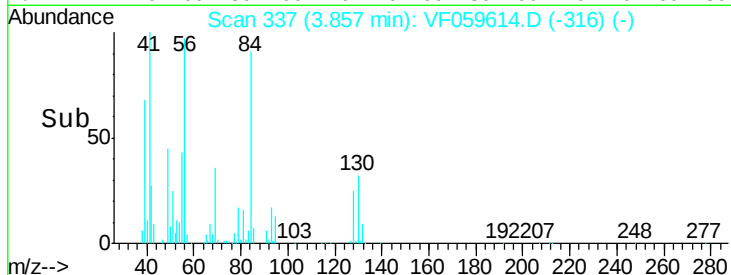
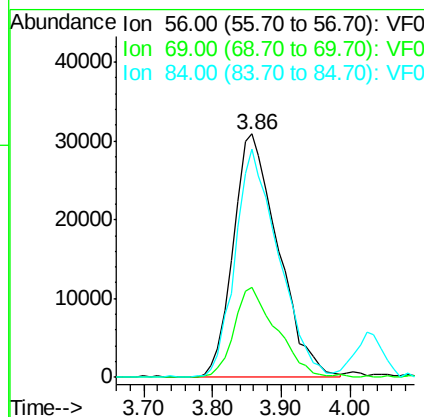
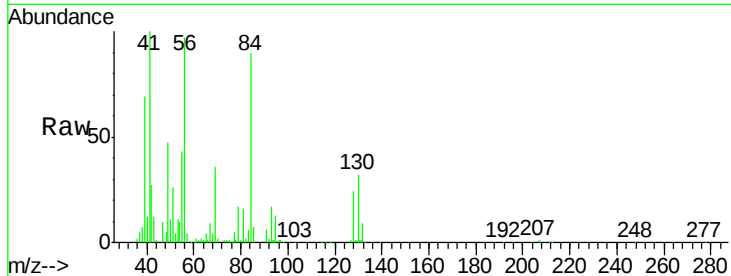
Acq: 23 Jul 2018 14:46

Tot Ion:	56	Resp:	139732
Ion Ratio	Lower	Upper	
56	100		
69	36.8	24.6	37.0
84	93.7	66.6	99.8

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 68.69 ug/l

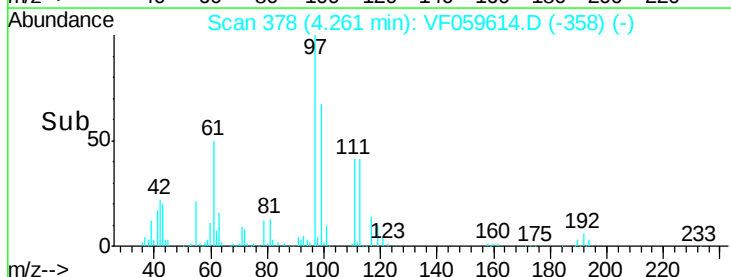
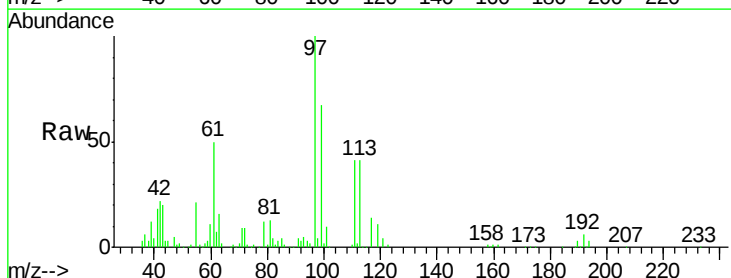
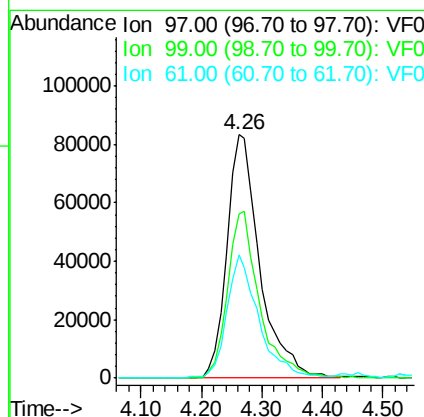
RT: 4.26 min Scan# 378

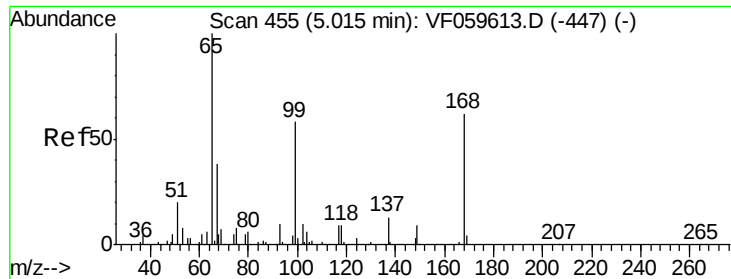
Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Tgt Ion:	97	Resp:	314106
Ion Ratio	Lower	Upper	
97	100		
99	67.5	55.4	83.2
61	50.4	39.3	58.9





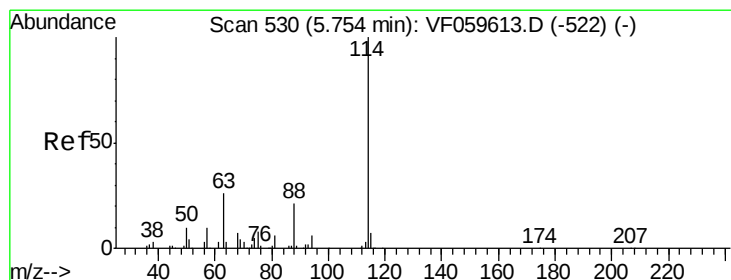
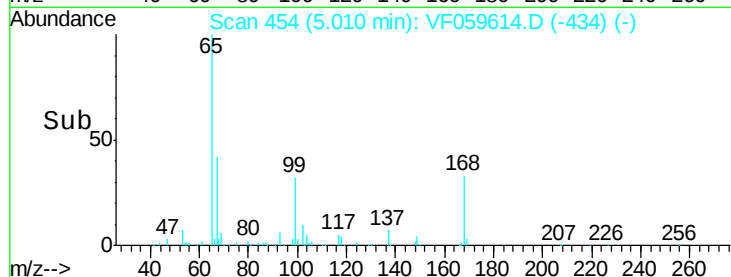
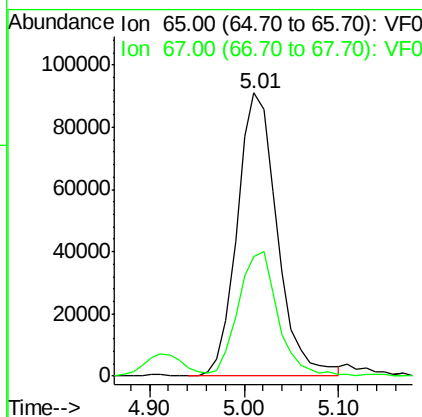
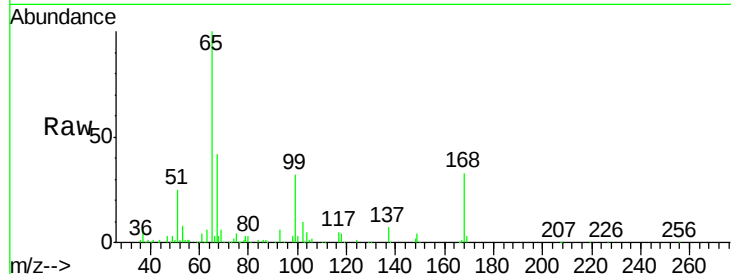
#33
 1,2-Dichloroethane-d4
 Concen: 72.68 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.00 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
65	100	265118		
67	42.2	0.0	83.8	

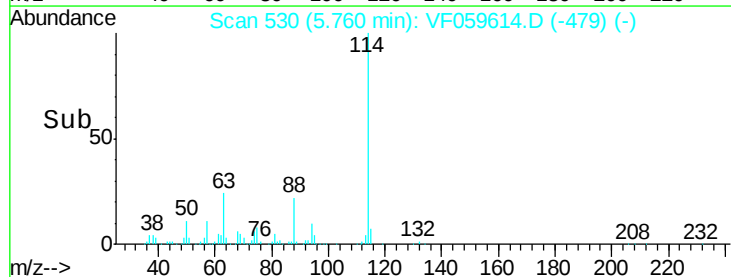
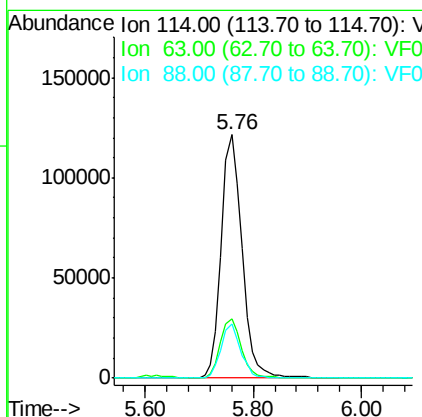
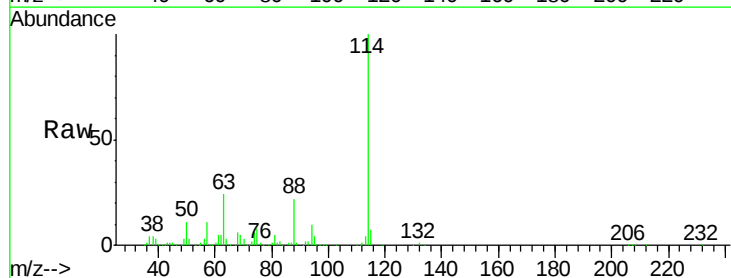
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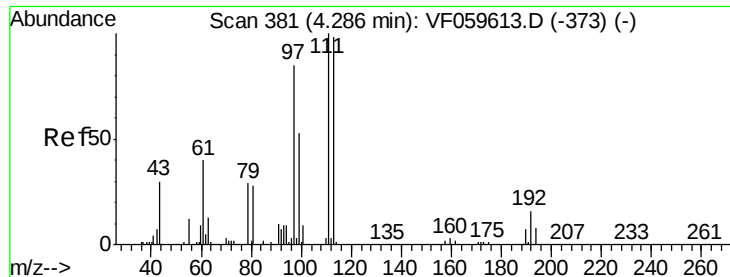
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	325662		
63	24.3	0.0	51.8	
88	22.1	0.0	42.8	





#35

Dibromofluoromethane

Concen: 73.91 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

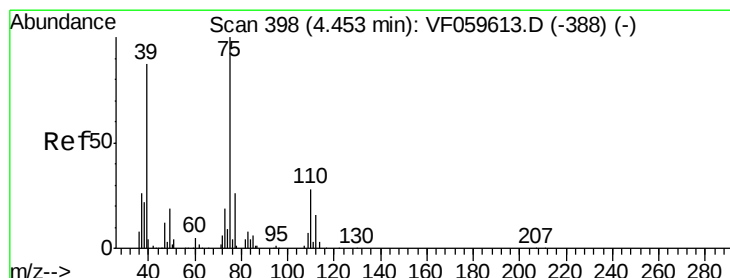
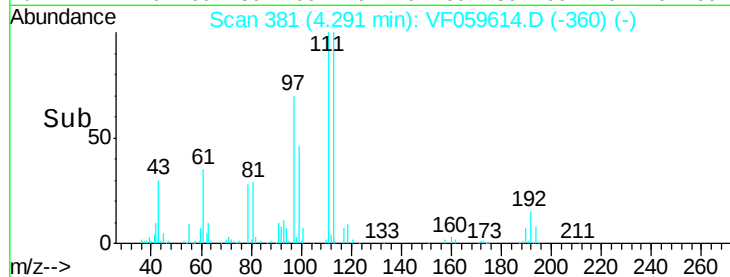
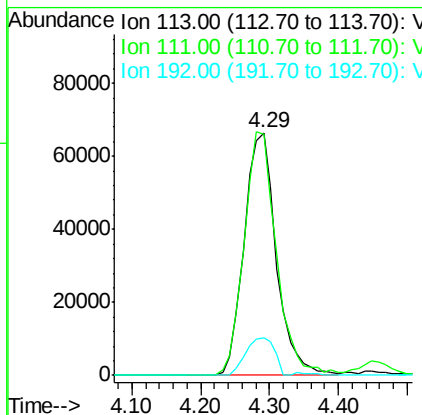
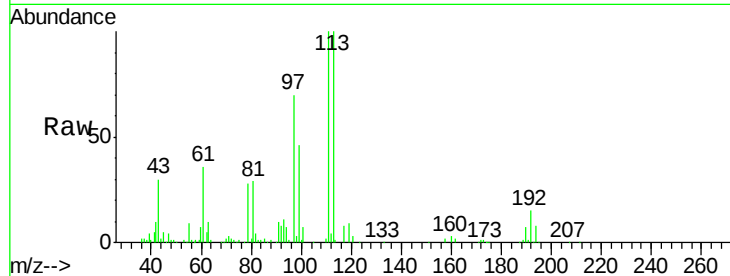
ClientSampleId :

VSTDIC075

Tot Ion:	113	Resp:	215879
Ion Ratio	Lower	Upper	
113	100		
111	98.8	81.5	122.3
192	15.2	13.4	20.2

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#36

1,1-Dichloropropene

Concen: 68.40 ug/l

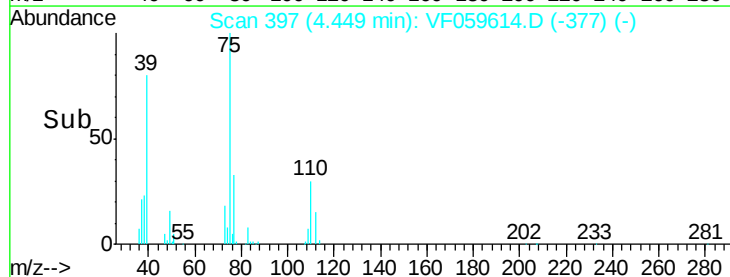
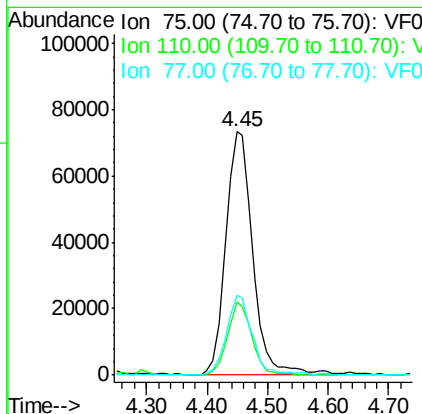
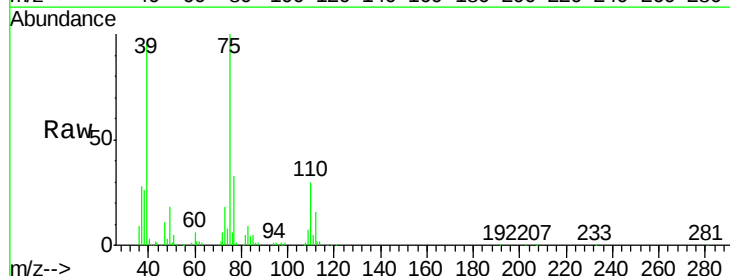
RT: 4.45 min Scan# 397

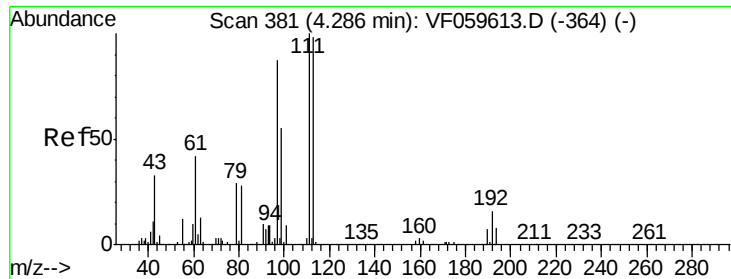
Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Tgt Ion:	75	Resp:	225964
Ion Ratio	Lower	Upper	
75	100		
110	30.1	14.2	42.6
77	32.5	20.3	30.5#





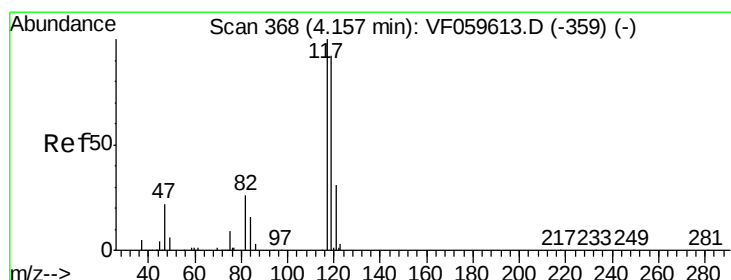
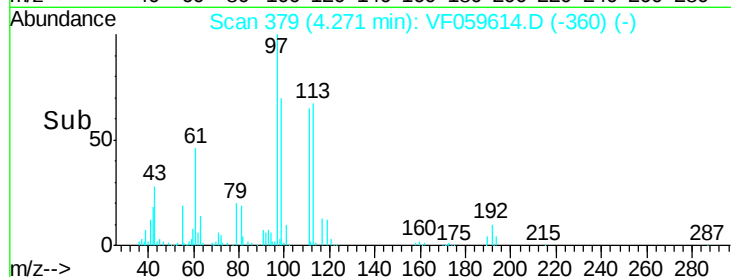
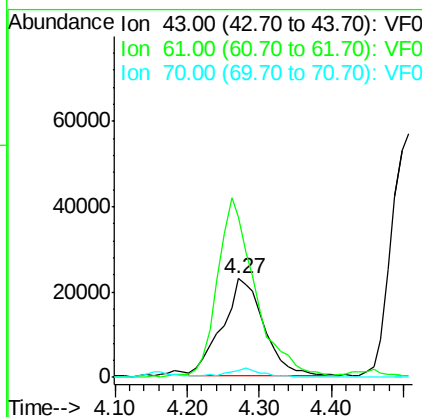
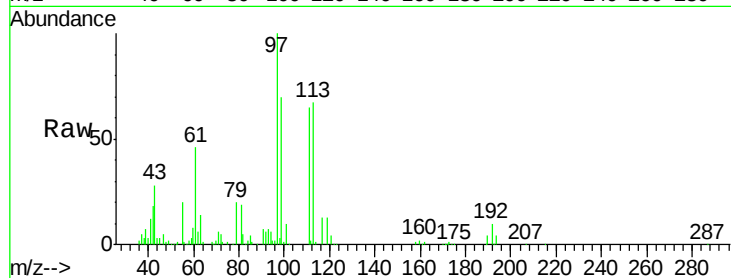
#37
Ethyl Acetate
Concen: 61.75 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	43	Resp	91061
Ion Ratio	100	Lower	Upper
43	100		
61	163.3	101.9	152.9#
70	6.4	7.9	11.9#

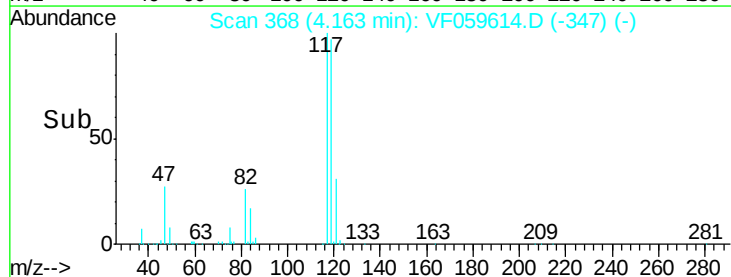
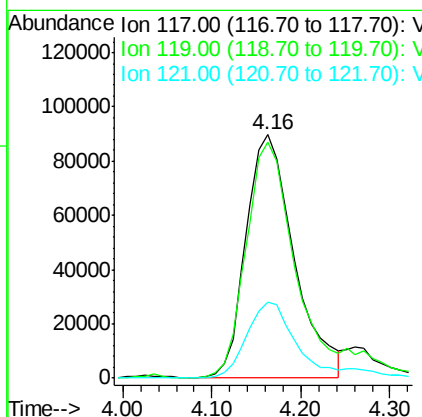
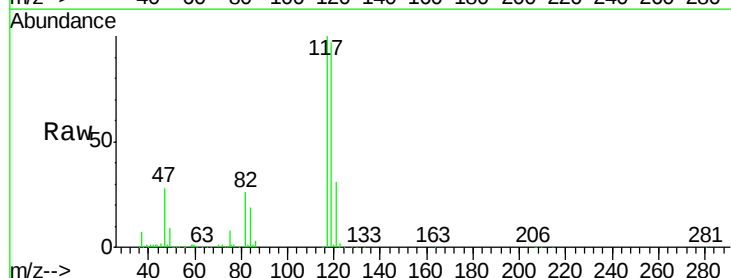
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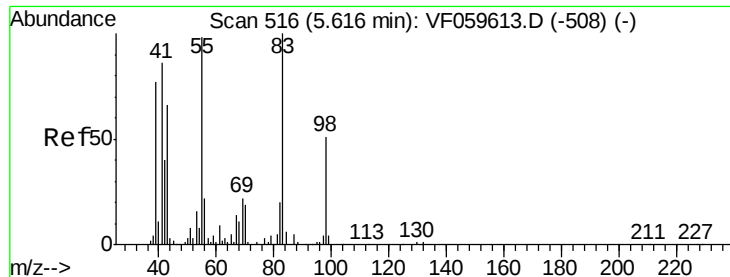
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#38
Carbon Tetrachloride
Concen: 68.81 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion	117	Resp	336736
Ion Ratio	100	Lower	Upper
117	100		
119	97.2	74.2	111.4
121	31.2	24.7	37.1





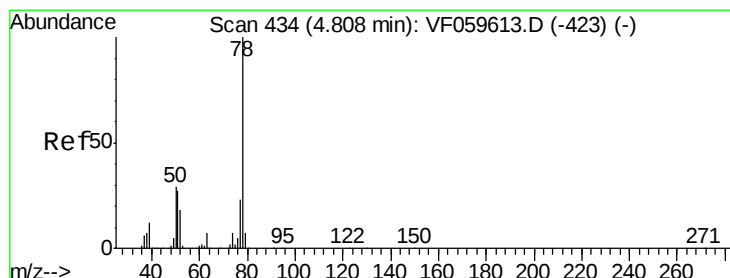
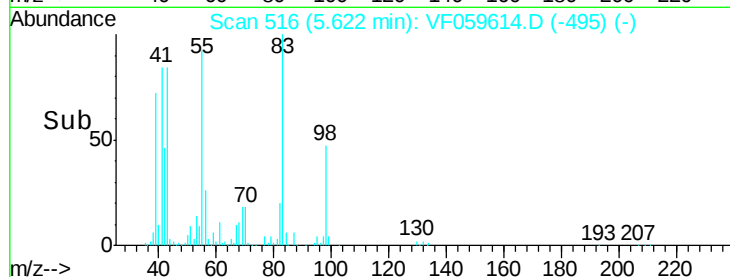
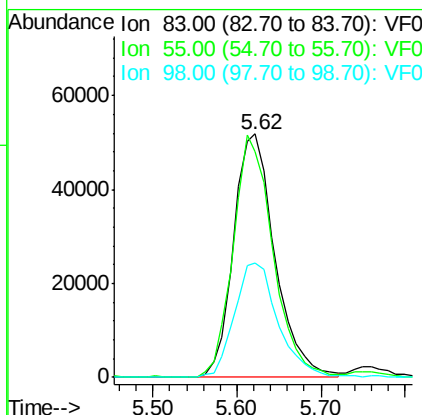
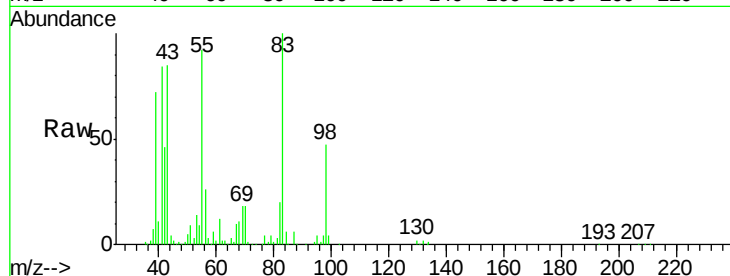
#39
Methvlcvclohexane
Concen: 67.70 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.5	78.5	117.7
98	47.1	41.1	61.7

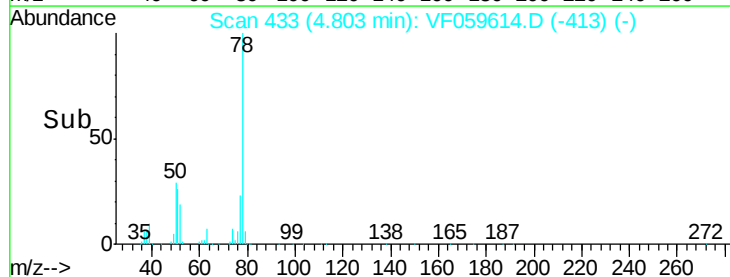
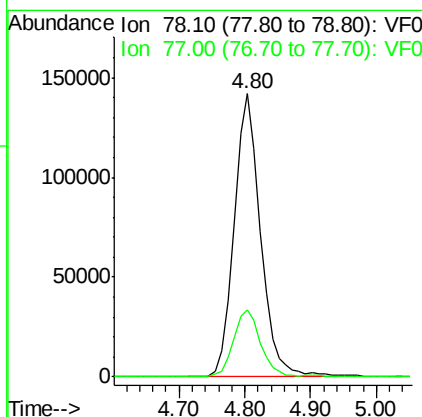
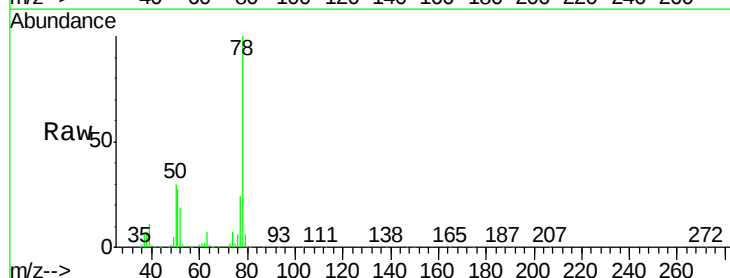
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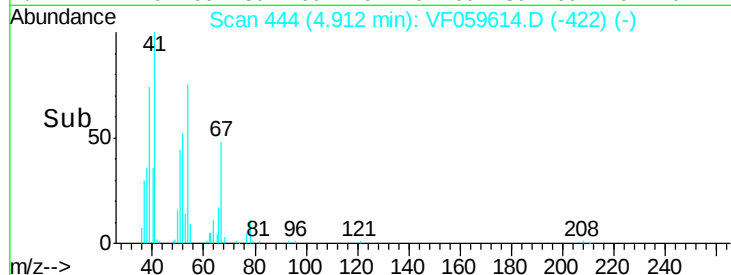
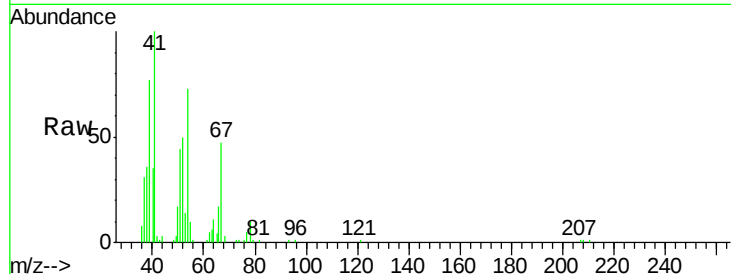
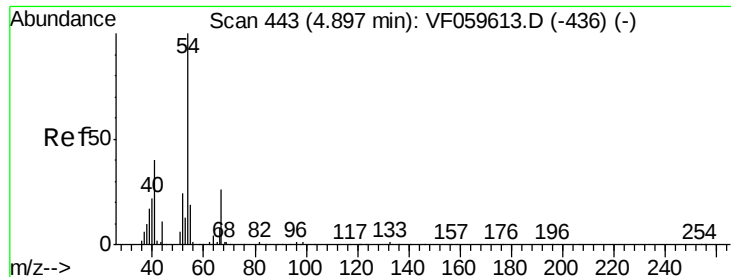
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#40
Benzene
Concen: 65.34 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.4	27.6





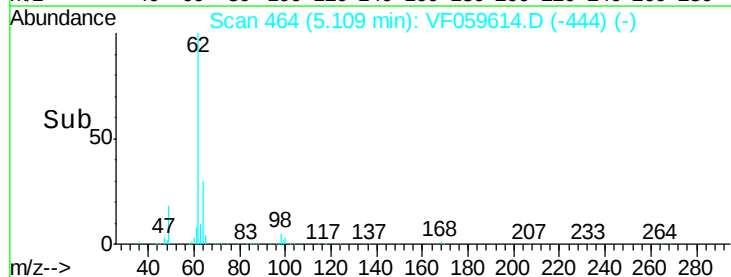
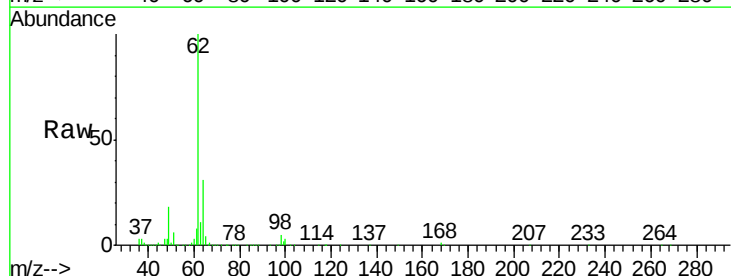
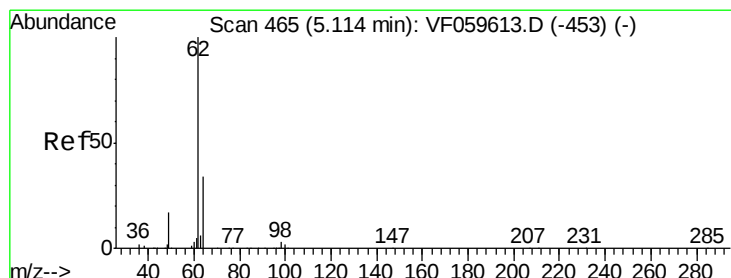
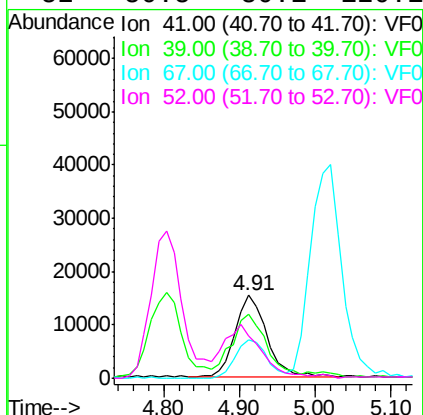
#41
Methacrylonitrile
Concen: 58.01 ug/l
RT: 4.91 min Scan# 444
Delta R.T. 0.02 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tot Ion	Ratio	Lower	Upper
41	100		
39	77.5	58.2	87.4
67	47.0	51.0	76.6
52	50.5	80.1	120.1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

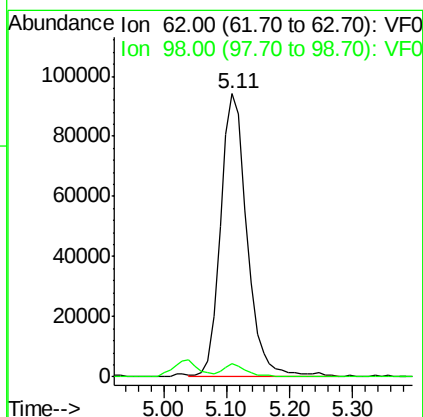
Manual Integrations
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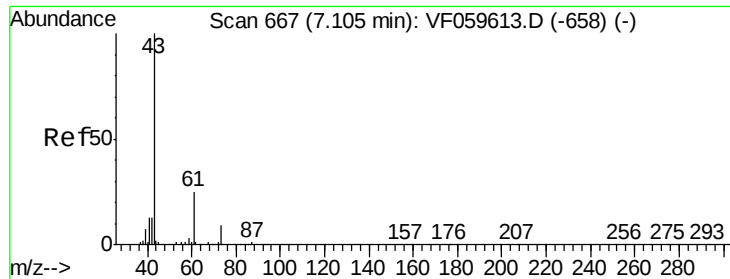
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#42
1,2-Dichloroethane
Concen: 64.83 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.5	0.0	8.4





#43

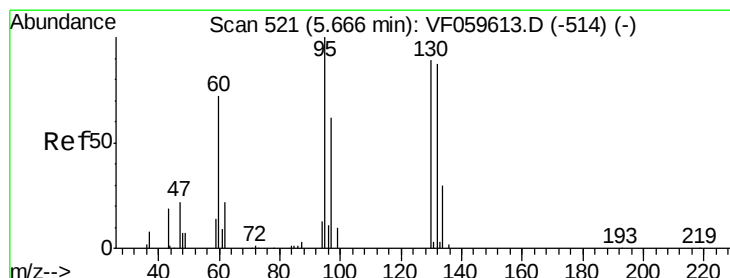
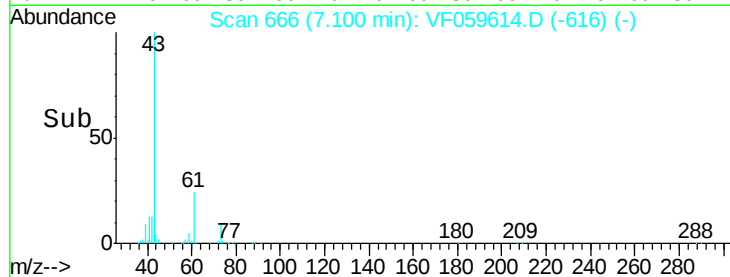
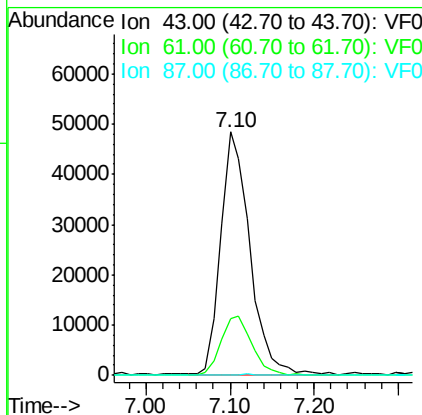
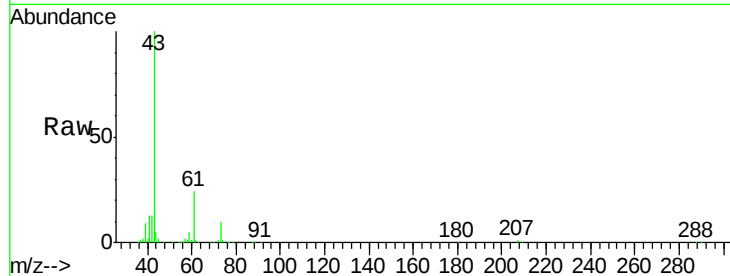
Isopropyl Acetate
 Concen: 60.55 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.5	20.1	30.1
87	0.4	0.5	0.7#

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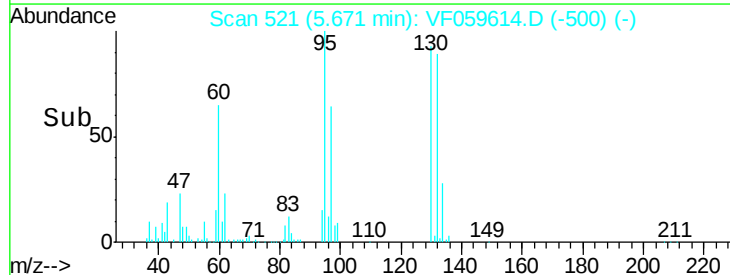
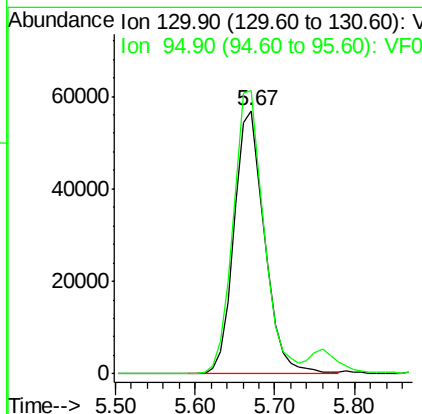
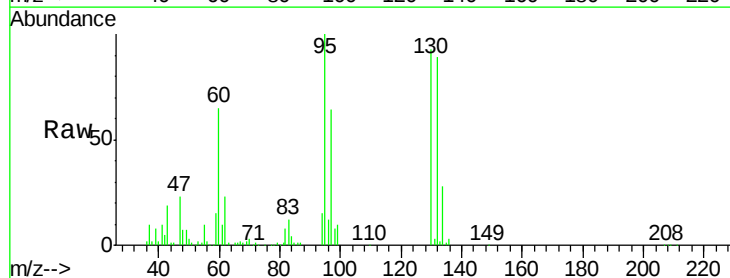
apatel
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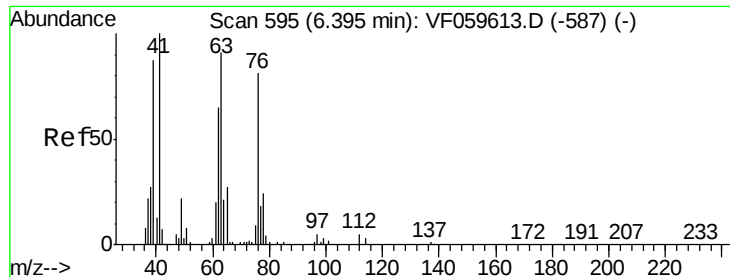


#44

Trichloroethene
 Concen: 64.95 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. 0.01 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.5	0.0	226.4





#45

1,2-Dichloropropane

Concen: 66.21 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 110713

Ion Ratio Lower Upper

63 100

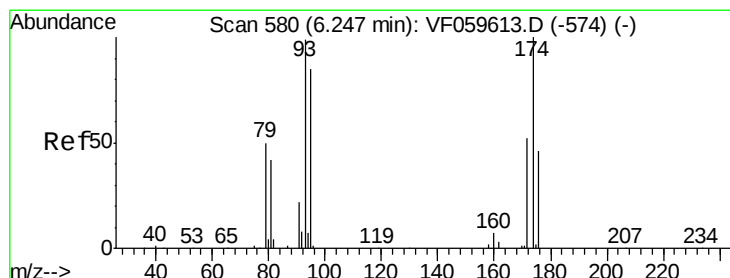
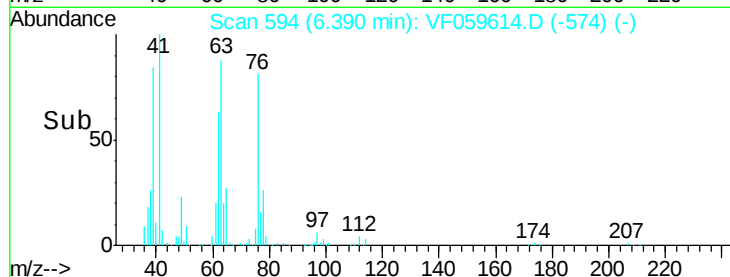
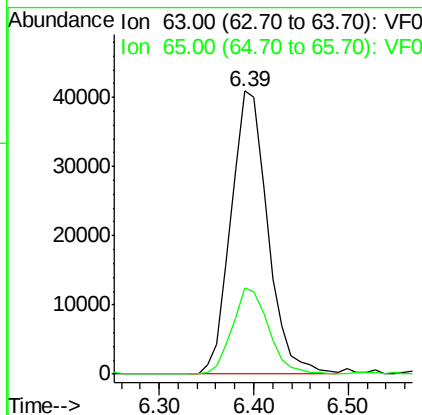
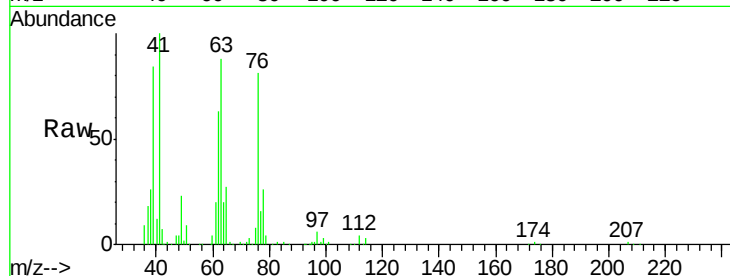
65 30.5 23.4 35.0

Manual Integrations

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#46

Dibromomethane

Concen: 68.10 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

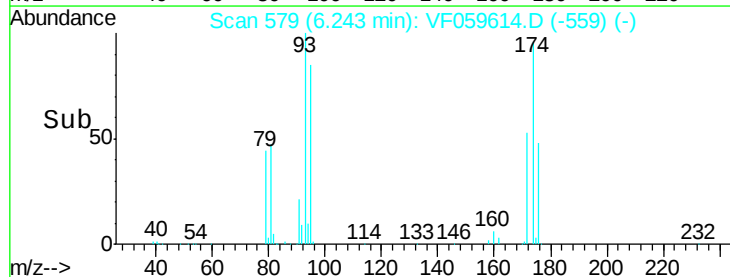
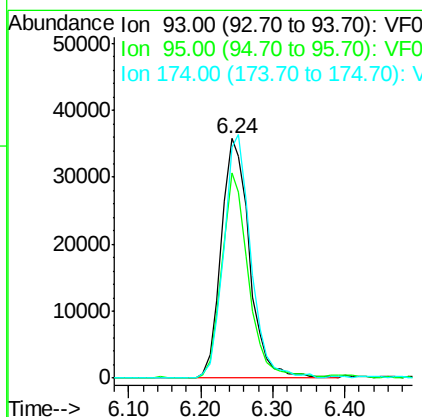
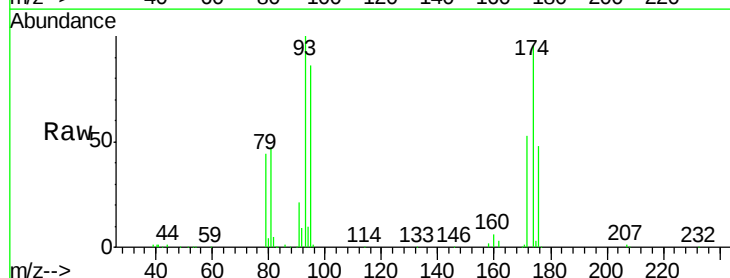
Tgt Ion: 93 Resp: 97262

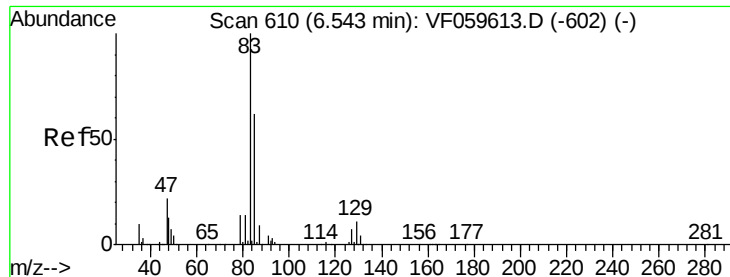
Ion Ratio Lower Upper

93 100

95 85.9 68.6 102.8

174 99.1 80.8 121.2





#47

Bromodichloromethane

Concen: 66.90 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

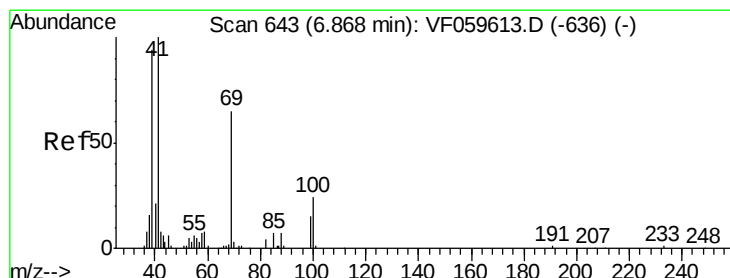
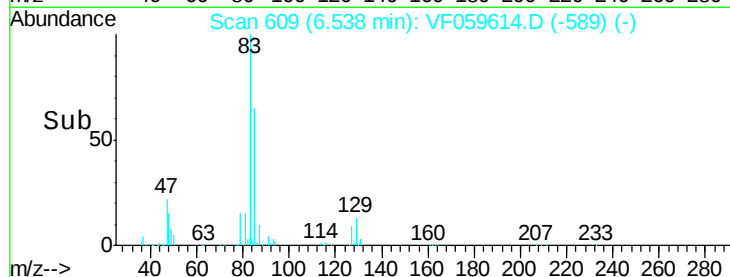
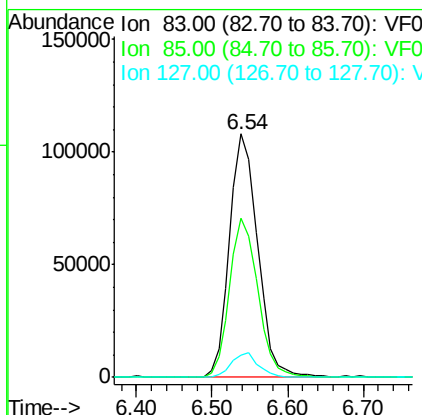
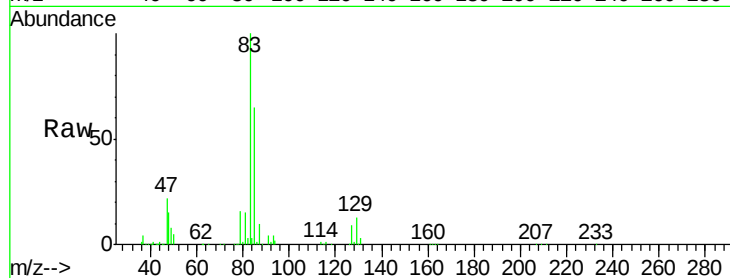
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	279270
Ion Ratio	Lower	Upper	
83	100		
85	65.3	49.4	74.0
127	9.4	5.9	8.9#

Manual Integrations
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#48

Methyl methacrylate

Concen: 59.68 ug/l

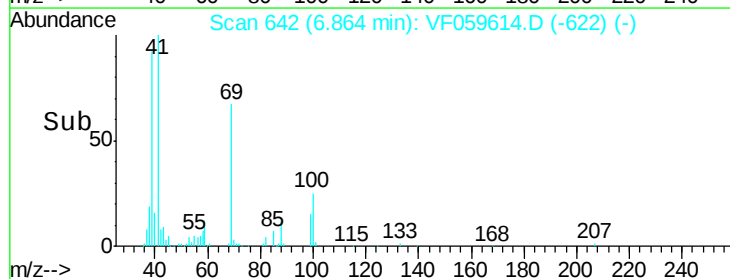
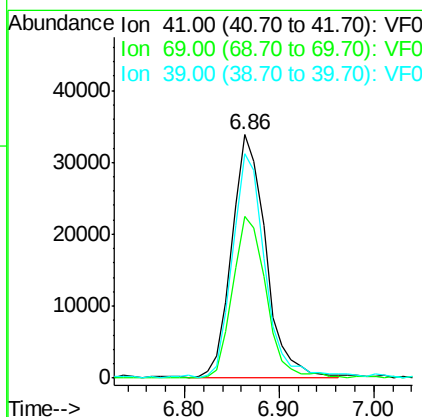
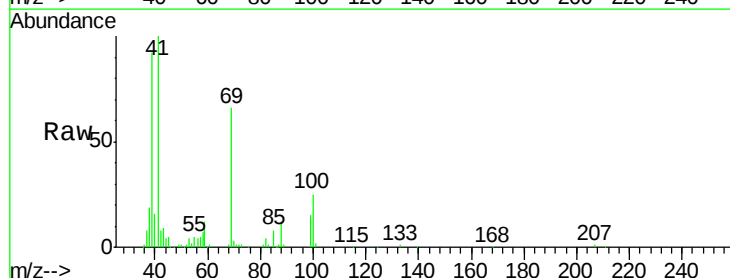
RT: 6.86 min Scan# 642

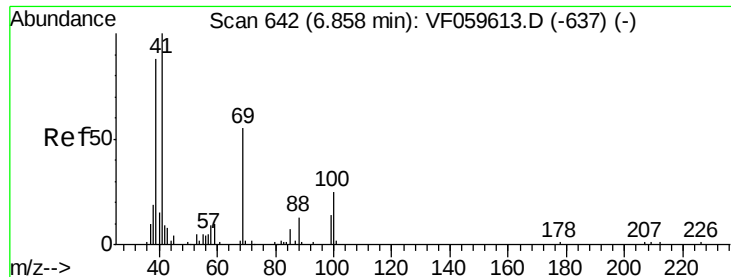
Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Tgt Ion:	41	Resp:	84963
Ion Ratio	Lower	Upper	
41	100		
69	66.5	51.6	77.4
39	92.1	76.3	114.5





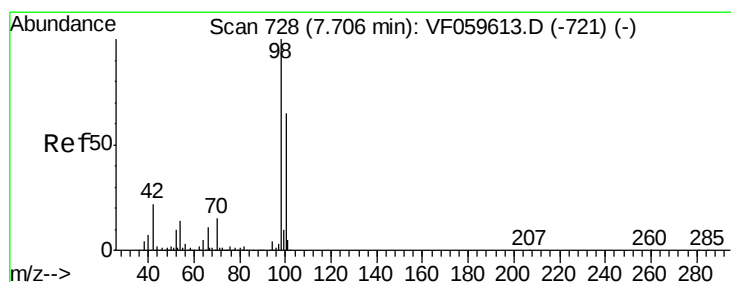
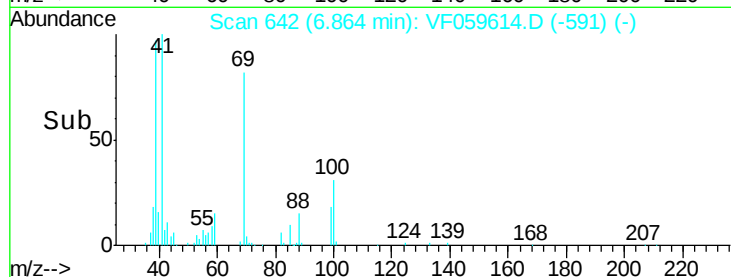
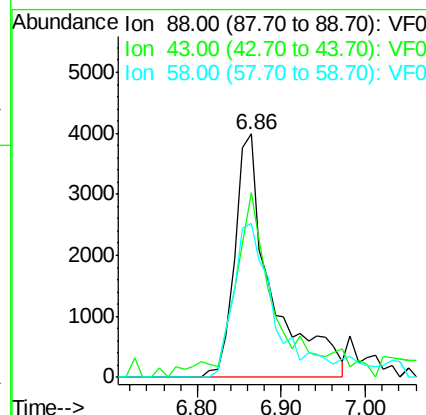
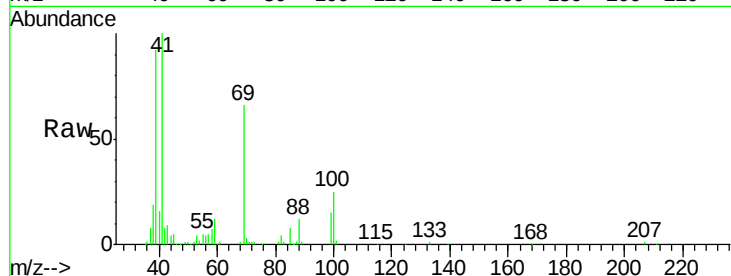
#49
1,4-Dioxane
Concen: 1493.57 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
88	100		
43	75.8	54.2	81.4
58	63.2	54.3	81.5

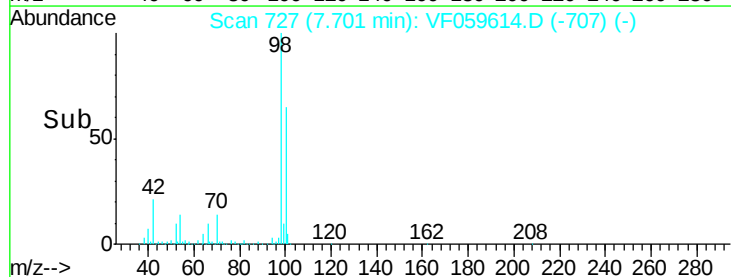
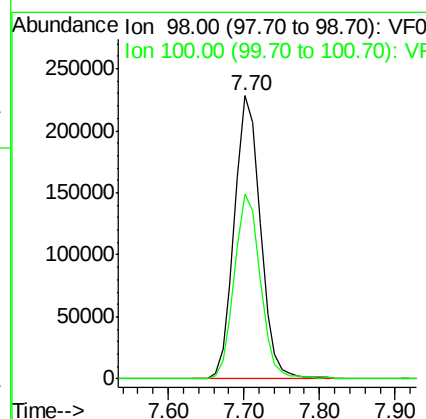
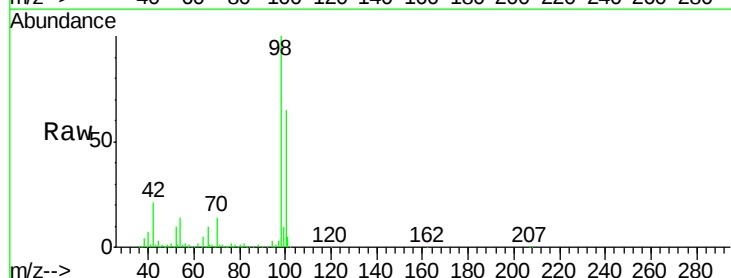
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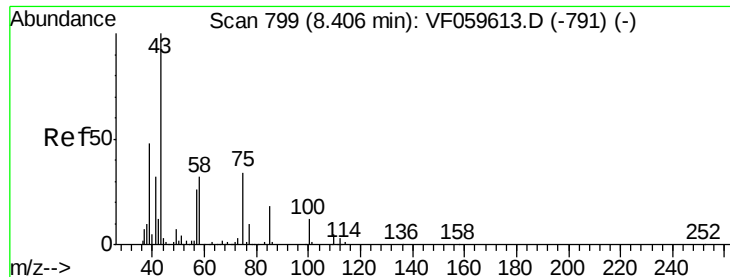
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#50
Toluene-d8
Concen: 76.00 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 318.30 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 424872

Ion Ratio Lower Upper

43 100

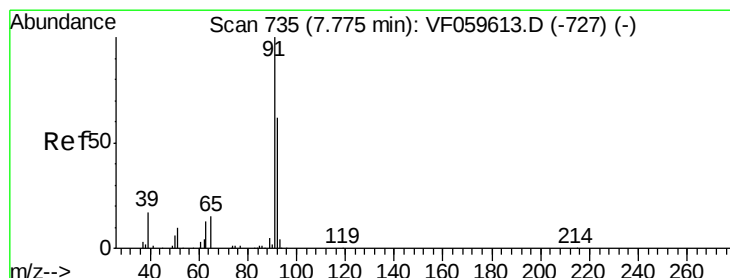
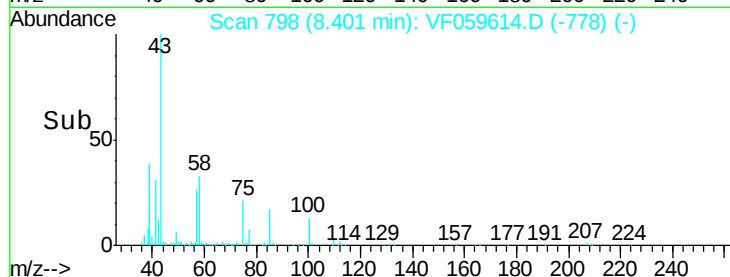
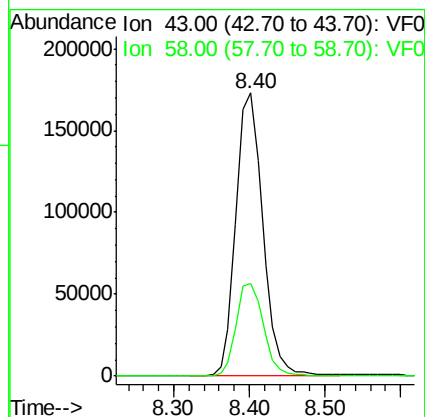
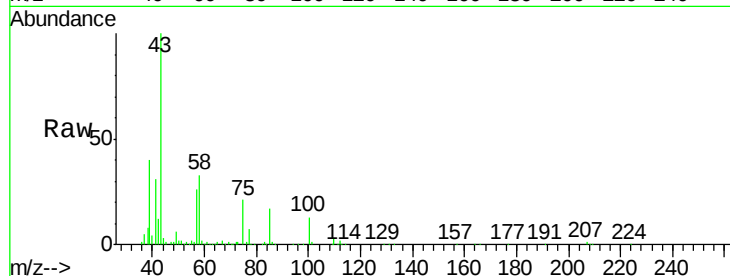
58 32.9 25.8 38.6

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#52

Toluene

Concen: 65.76 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059614.D

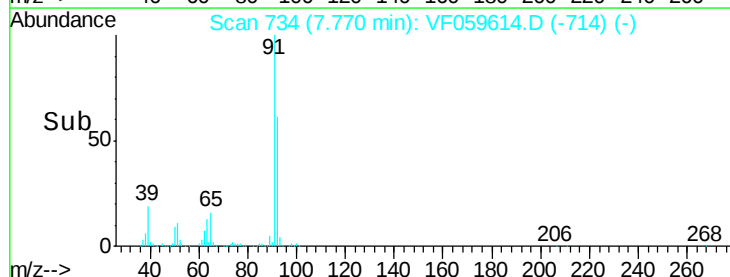
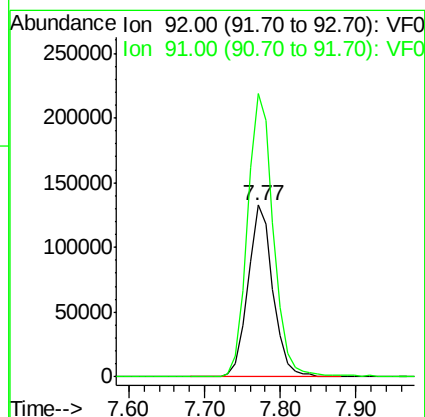
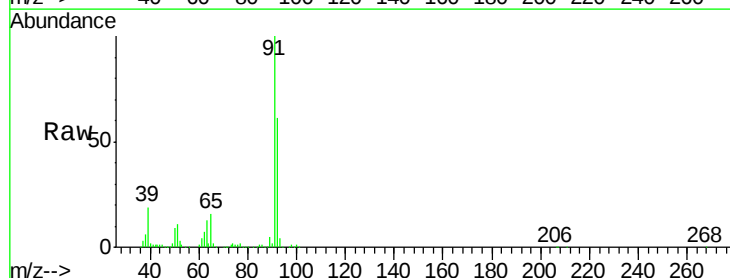
Acq: 23 Jul 2018 14:46

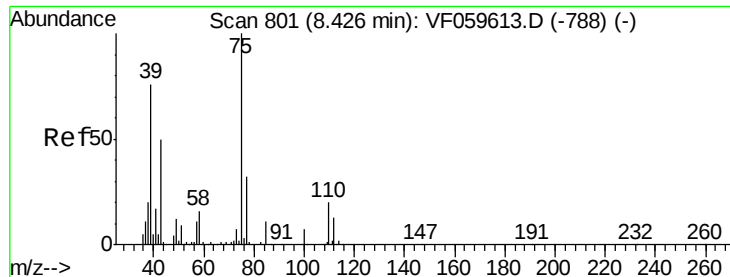
Tgt Ion: 92 Resp: 304823

Ion Ratio Lower Upper

92 100

91 164.7 129.8 194.8





#53

t-1,3-Dichloropropene

Concen: 67.40 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 238461

Ion Ratio Lower Upper

75 100

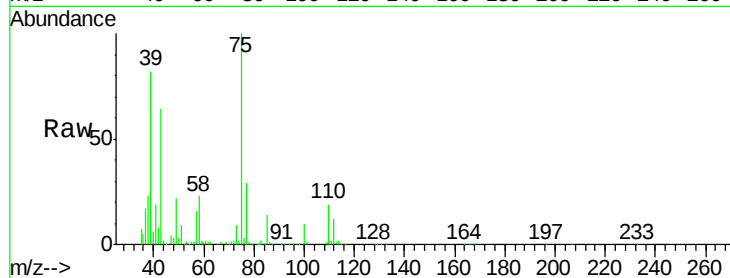
77 29.3 25.6 38.4

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.42

120000

100000

80000

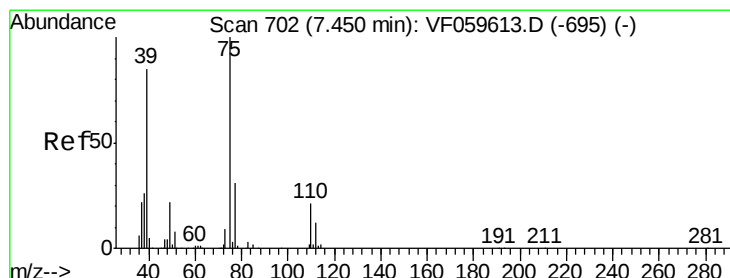
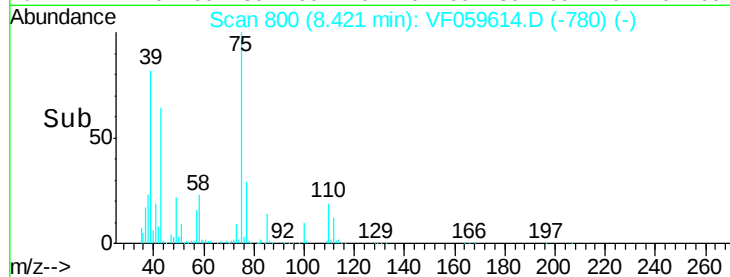
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 67.88 ug/l

RT: 7.46 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

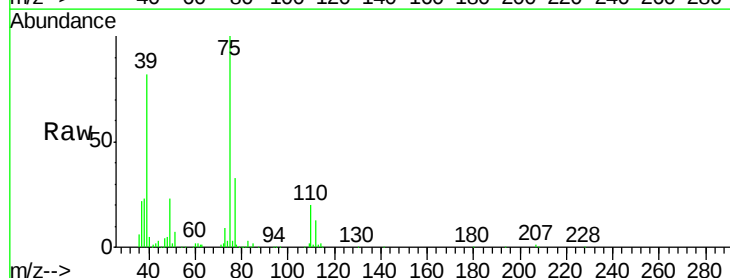
Tgt Ion: 75 Resp: 240501

Ion Ratio Lower Upper

75 100

77 33.5 24.6 37.0

39 81.5 67.8 101.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.46

120000

100000

80000

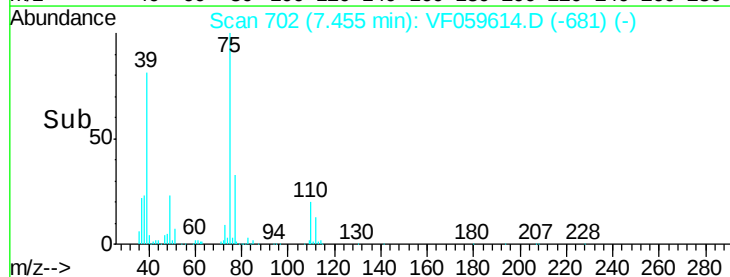
60000

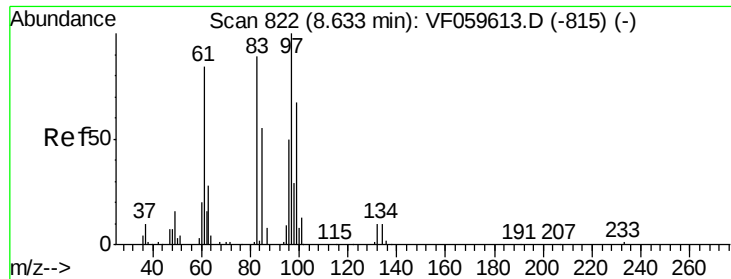
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 66.51 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

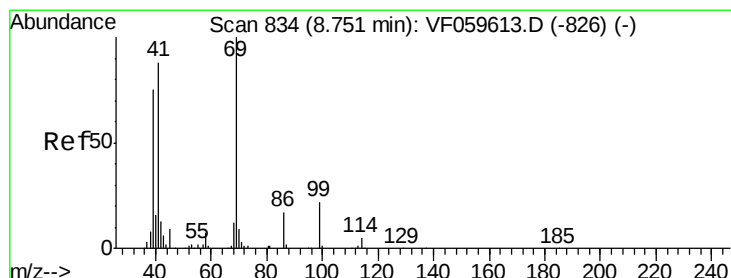
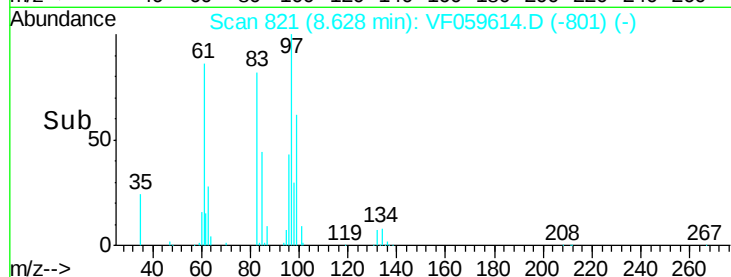
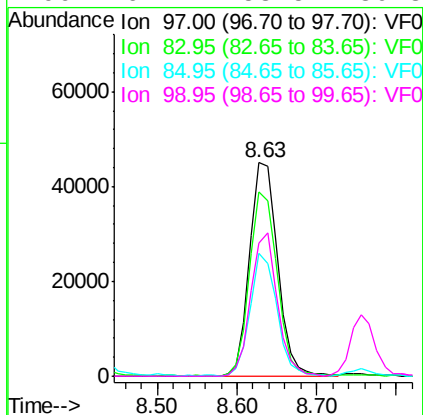
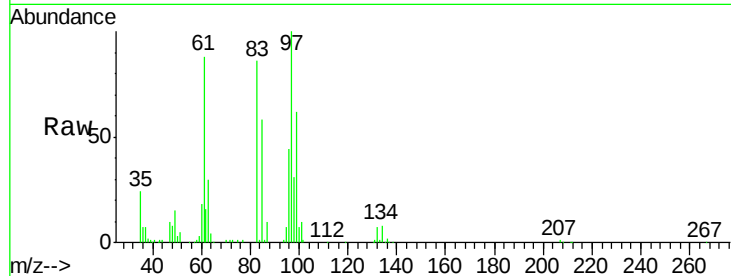
ClientSampleId :

VSTDIC075

Tot Ion:	97	Resp:	109175
Ion	Ratio	Lower	Upper
97	100		
83	86.4	71.8	107.6
85	57.6	43.9	65.9
99	62.4	53.5	80.3

Manual Integrations
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#56

Ethyl methacrylate

Concen: 67.77 ug/l

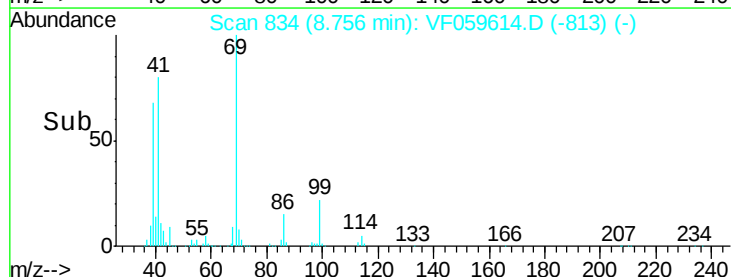
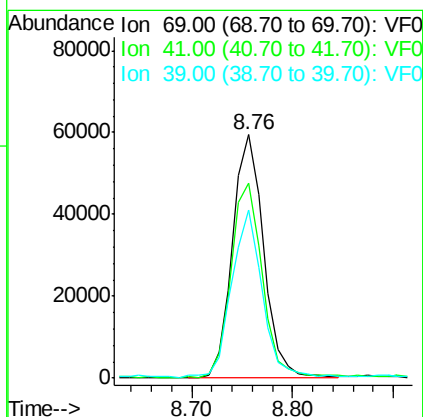
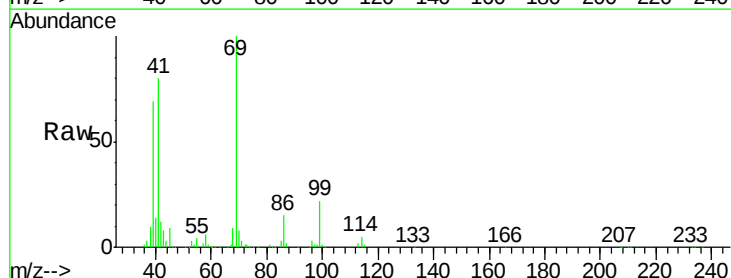
RT: 8.76 min Scan# 834

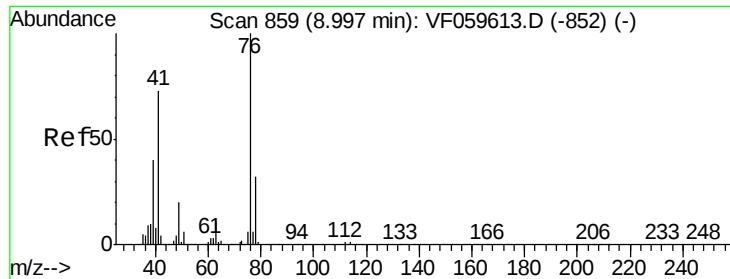
Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Tgt Ion:	69	Resp:	128095
Ion	Ratio	Lower	Upper
69	100		
41	80.3	70.8	106.2
39	69.2	60.7	91.1





#57

1,3-Dichloropropane

Concen: 65.99 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 189385

Ion Ratio Lower Upper

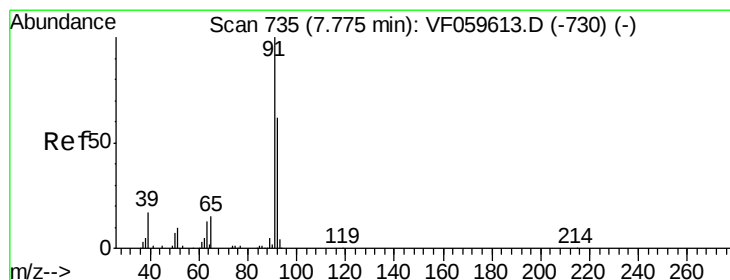
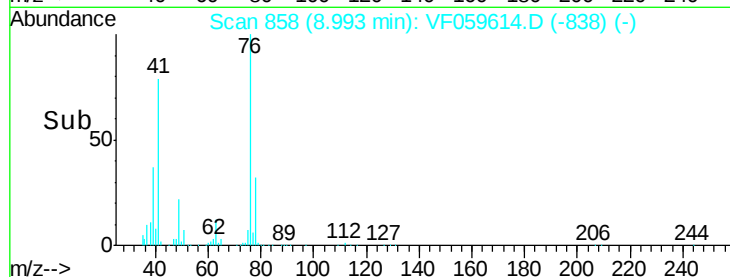
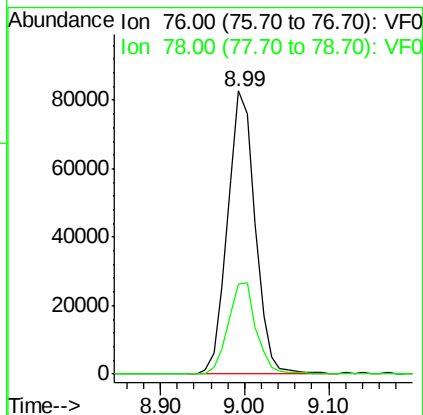
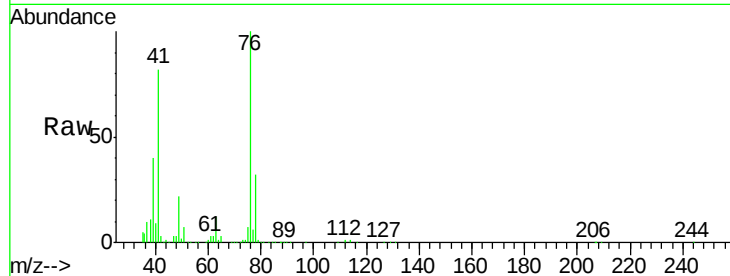
76 100

78 31.9 25.3 37.9

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 328.28 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059614.D

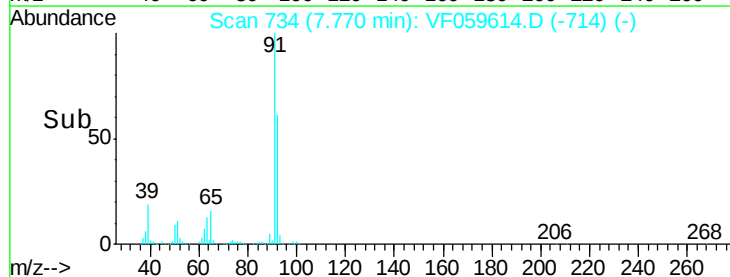
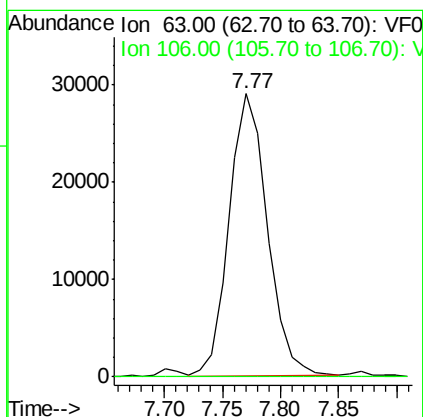
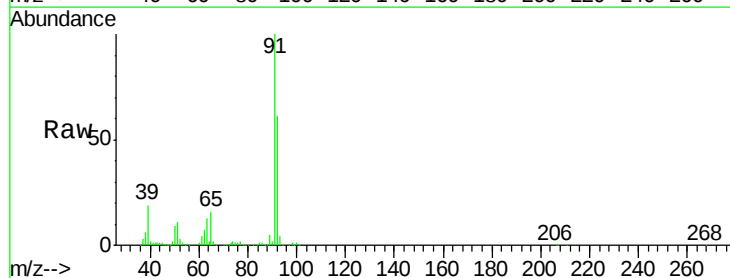
Acq: 23 Jul 2018 14:46

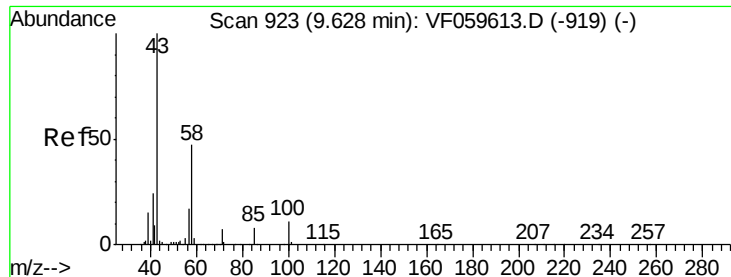
Tgt Ion: 63 Resp: 65790

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





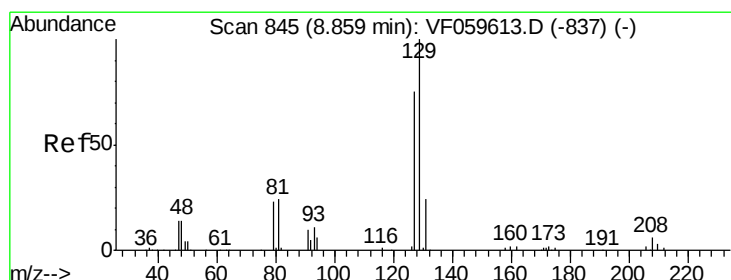
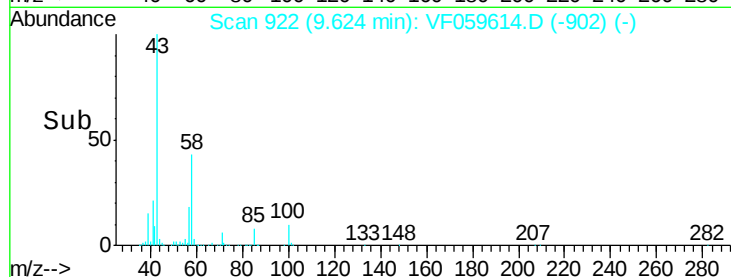
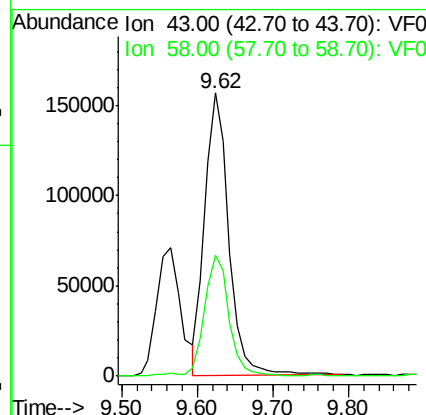
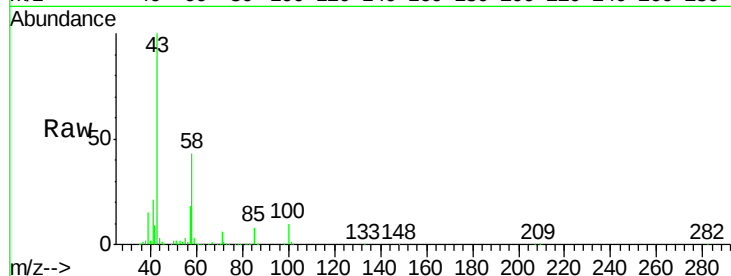
#59
2-Hexanone
Concen: 320.86 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 346513
Ion Ratio Lower Upper
43 100
58 42.9 21.1 63.4

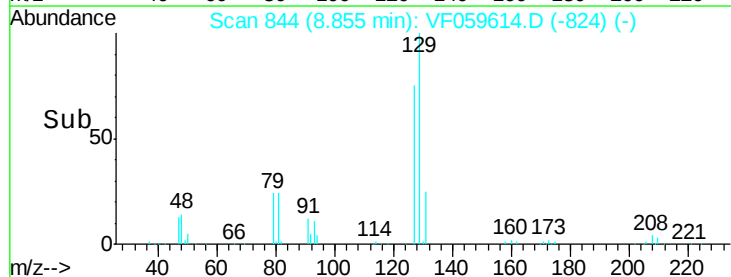
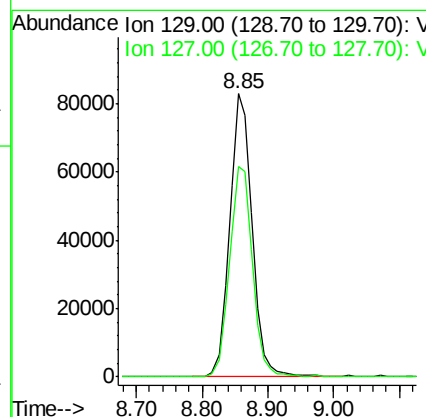
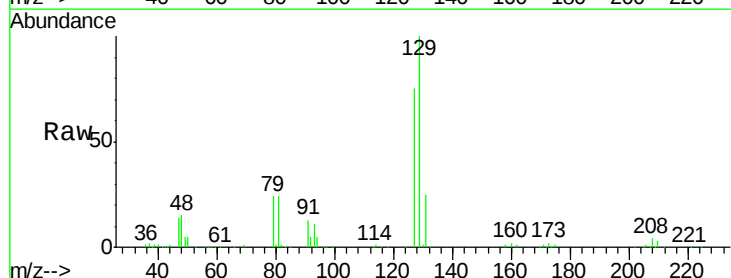
Manual Integrations
APPROVED

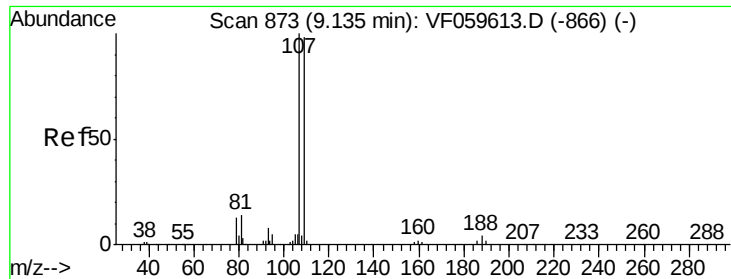
apatel
7/24/2018 1:13:39 PM



#60
Dibromochloromethane
Concen: 68.86 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion: 129 Resp: 197754
Ion Ratio Lower Upper
129 100
127 74.5 37.5 112.7





#61

1,2-Dibromoethane

Concen: 65.13 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:107 Resp: 125674

Ion Ratio Lower Upper

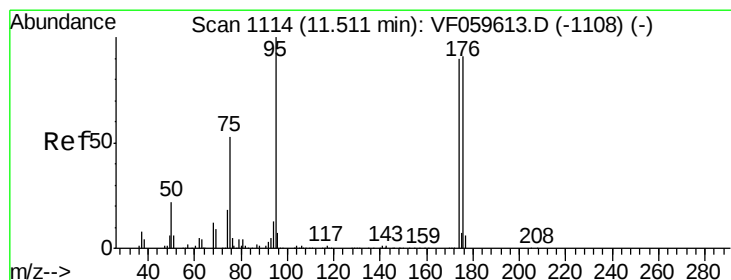
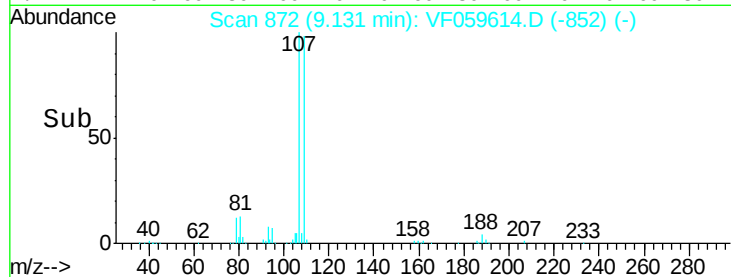
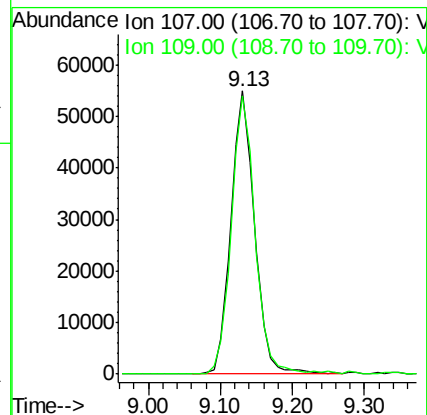
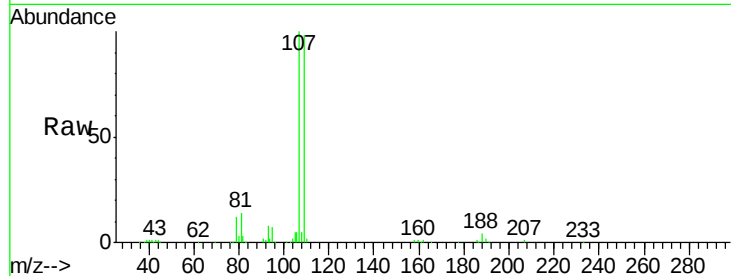
107 100

109 98.4 78.2 117.4

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 72.73 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

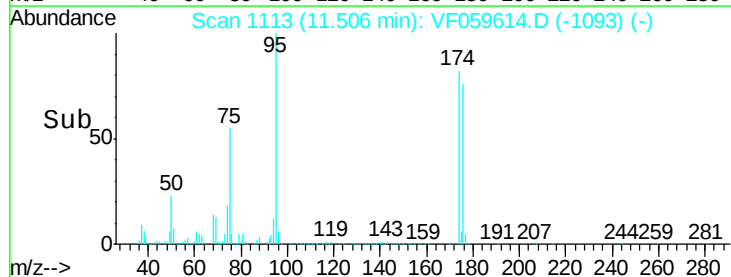
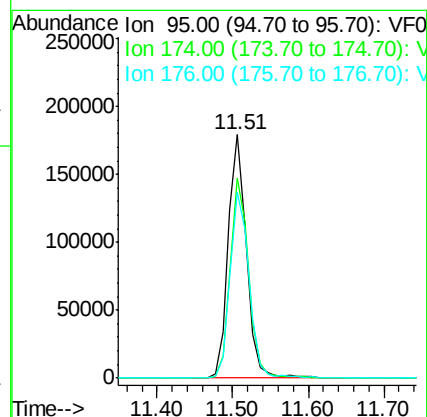
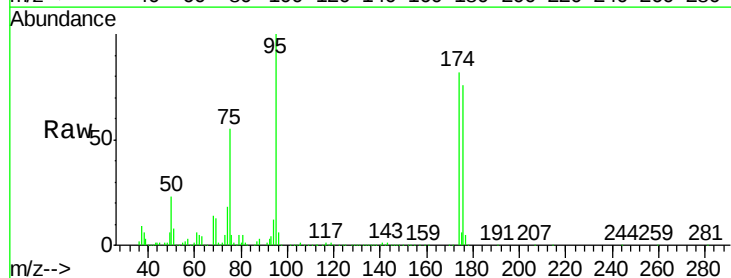
Tgt Ion: 95 Resp: 300396

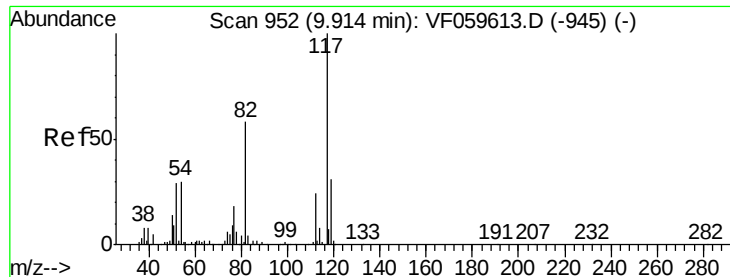
Ion Ratio Lower Upper

95 100

174 82.3 0.0 180.6

176 76.2 0.0 182.4





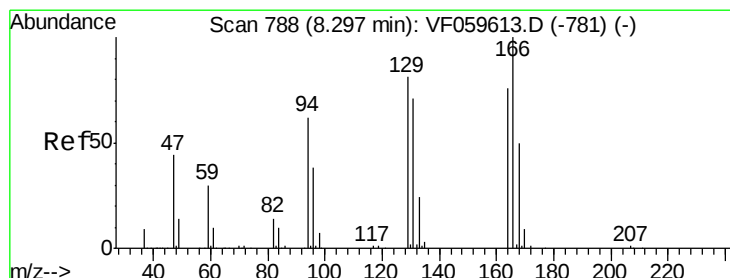
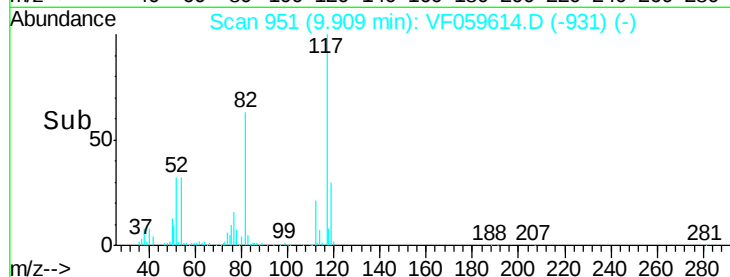
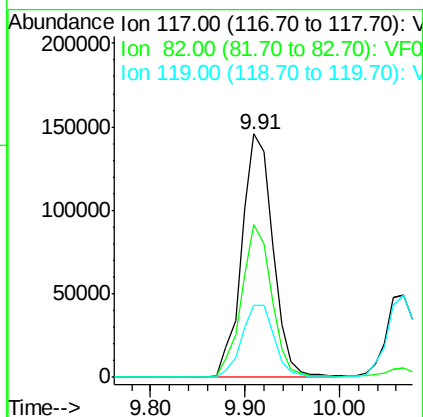
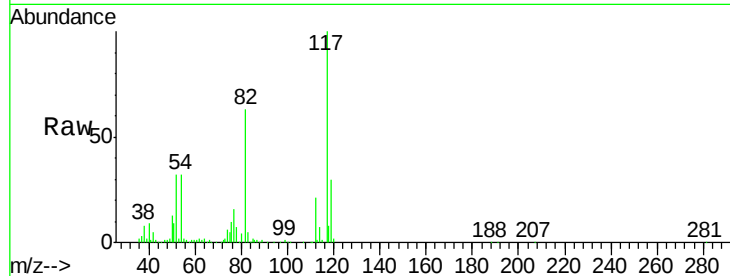
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:	117	Resp:	334307
Ion Ratio	Lower	Upper	
117	100		
82	62.6	46.5	69.7
119	29.7	24.4	36.6

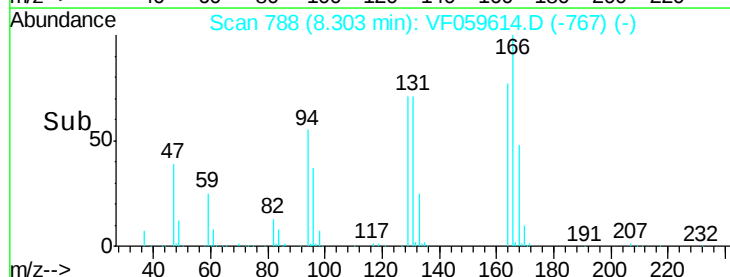
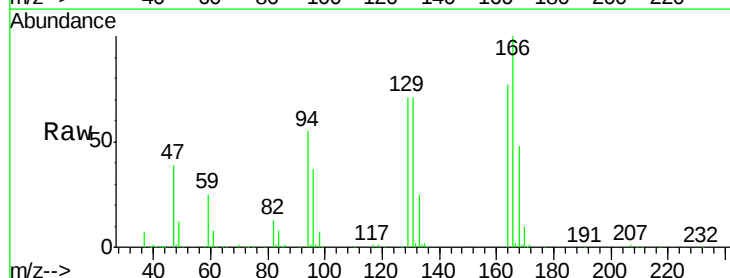
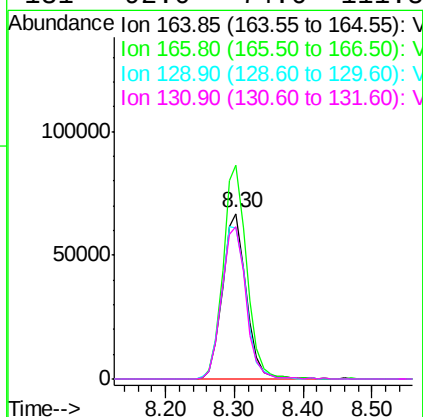
Manual Integrations
APPROVED

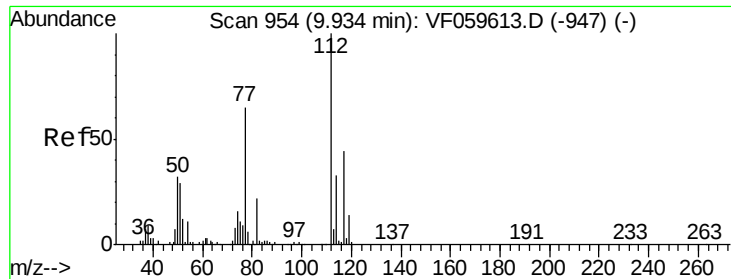
apatel
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#64
Tetrachloroethene
Concen: 62.78 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion:	164	Resp:	158730
Ion Ratio	Lower	Upper	
164	100		
166	129.2	104.8	157.2
129	91.6	85.3	127.9
131	92.0	74.6	111.8





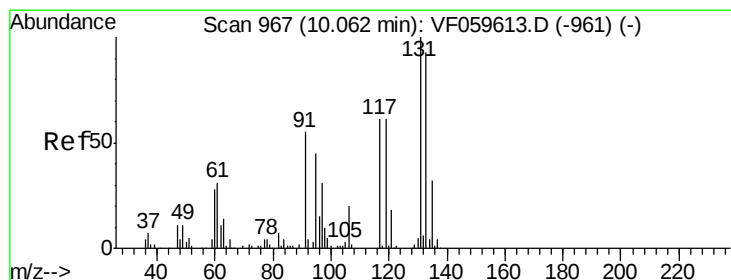
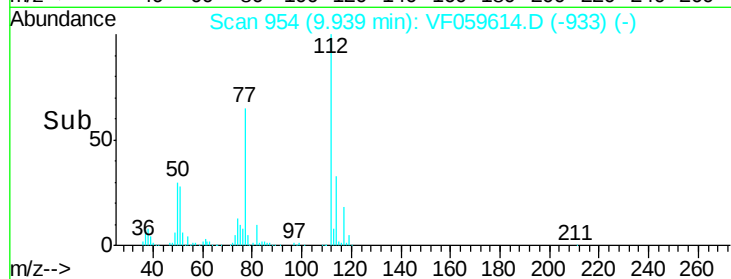
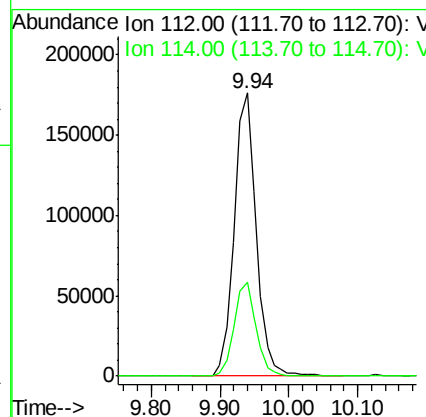
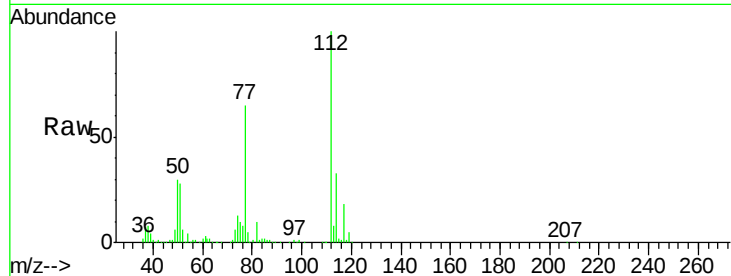
#65
Chlorobenzene
Concen: 62.14 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.0	26.8	40.2

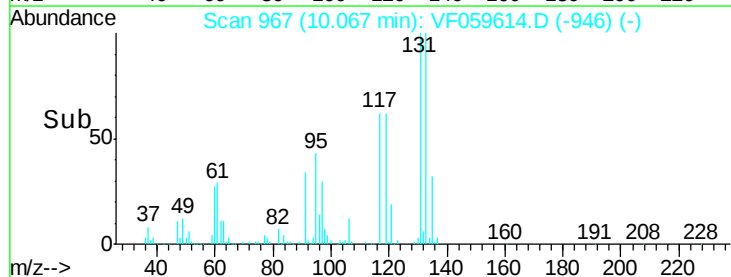
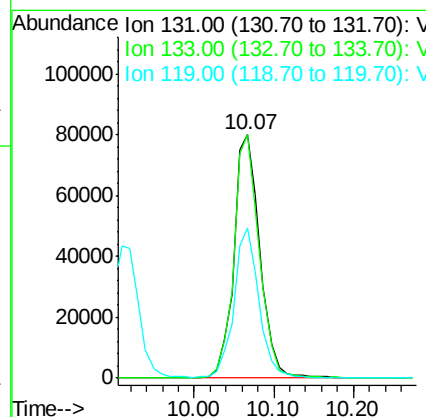
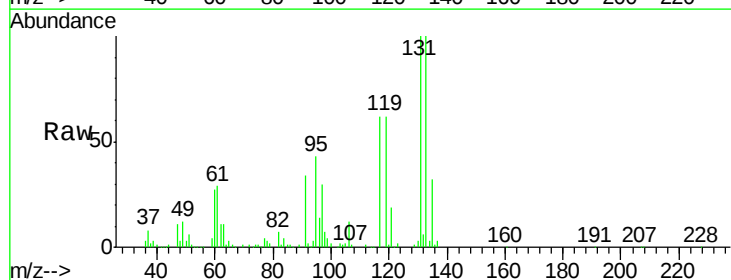
Manual Integrations
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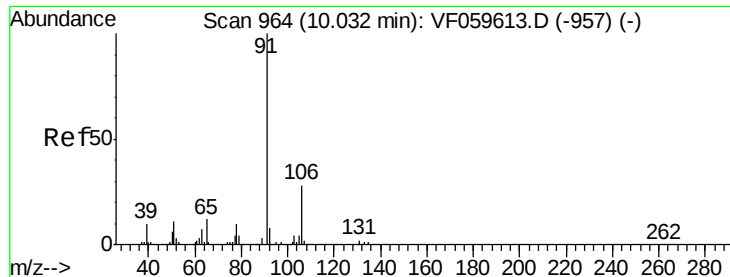
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 64.02 ug/l
RT: 10.07 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.9	46.4	139.2
119	61.9	30.6	91.8





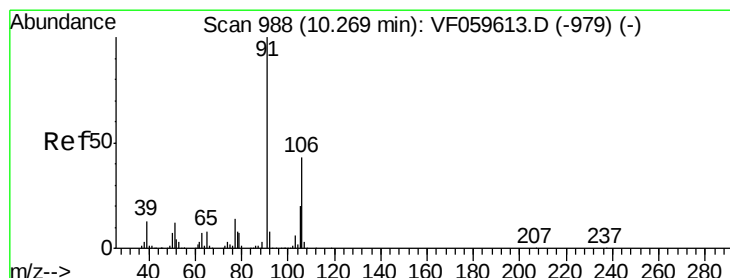
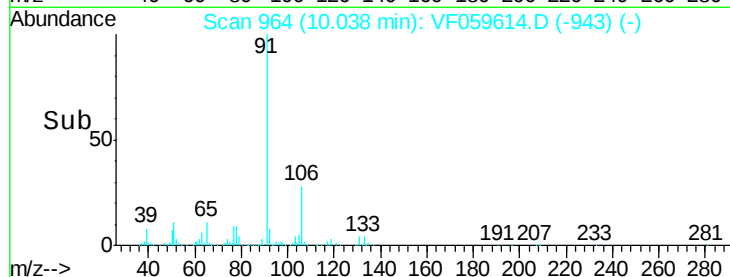
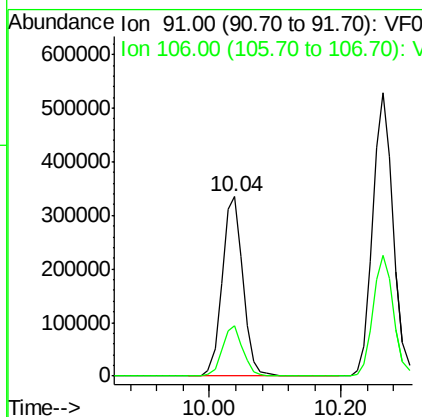
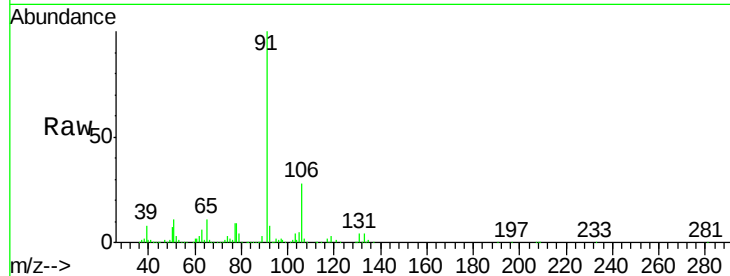
#67
Ethyl Benzene
Concen: 66.28 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 743851
Ion Ratio Lower Upper
91 100
106 28.3 22.5 33.7

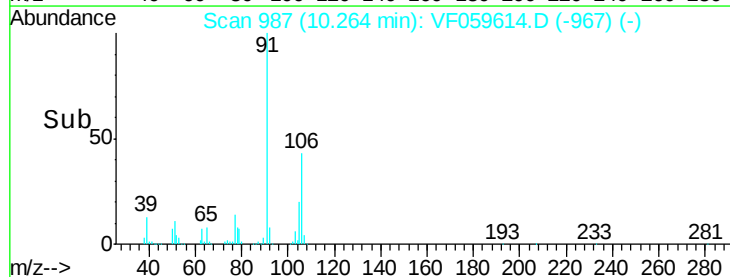
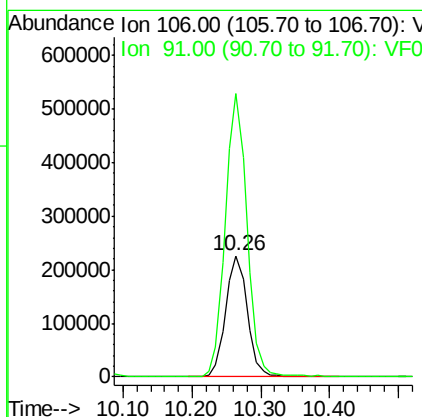
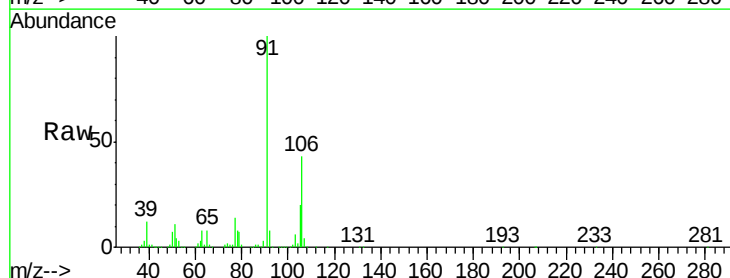
Manual Integrations
APPROVED

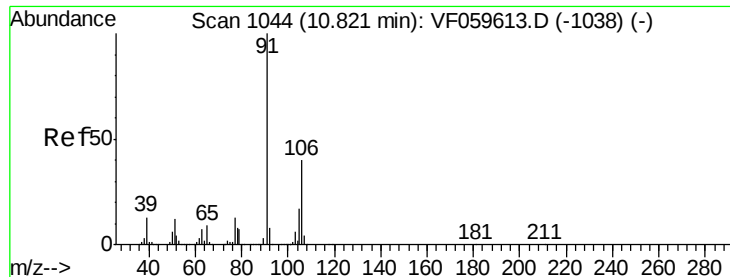
apatel
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#68
m/p-Xylenes
Concen: 129.15 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion: 106 Resp: 495400
Ion Ratio Lower Upper
106 100
91 233.8 187.0 280.4





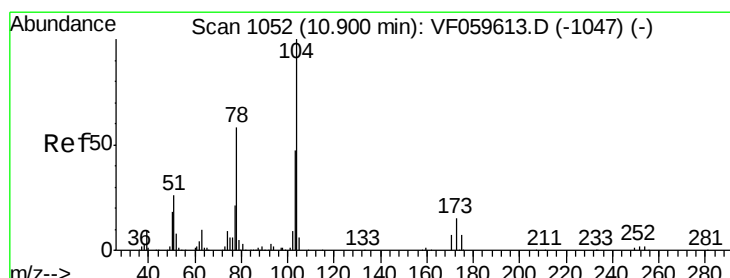
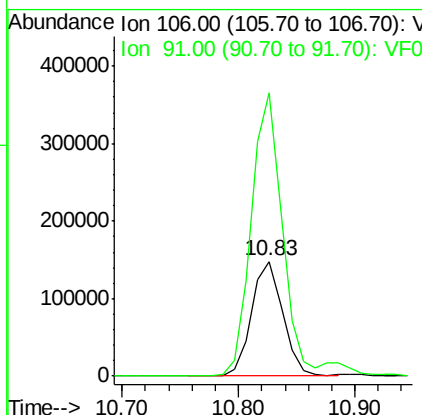
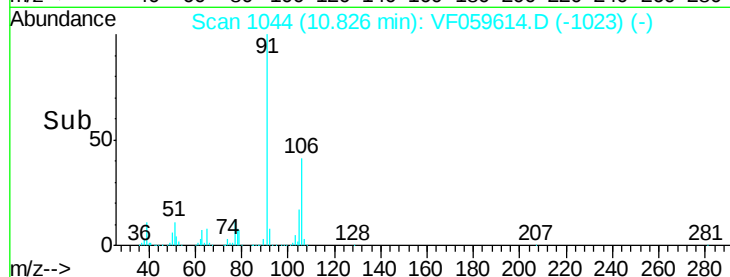
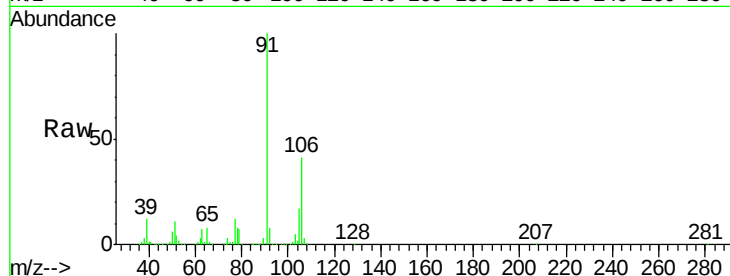
#69
o-Xylene
Concen: 65.47 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 276051
Ion Ratio Lower Upper
106 100
91 246.2 125.8 377.3

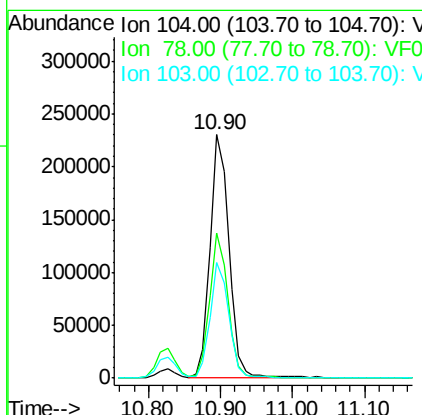
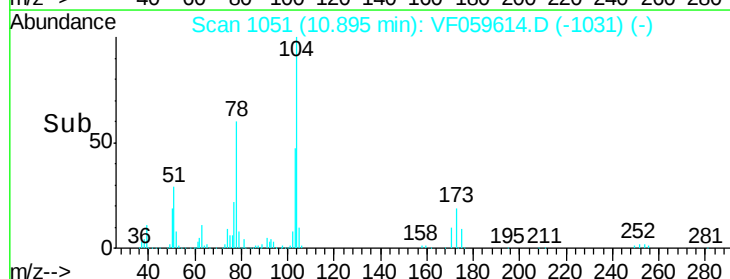
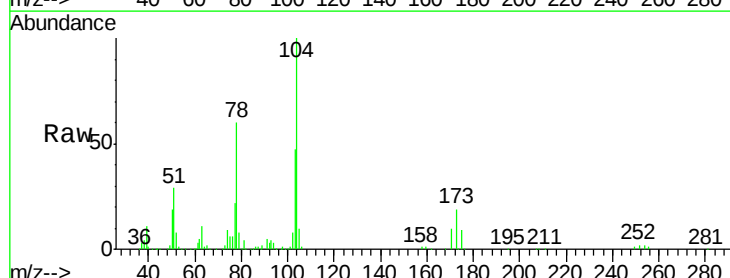
Manual Integrations
APPROVED

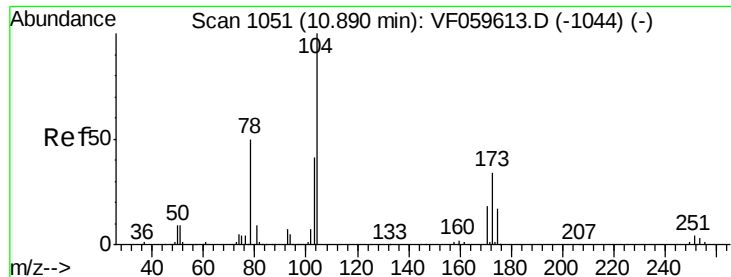
apatel
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#70
Styrene
Concen: 66.40 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion:104 Resp: 418384
Ion Ratio Lower Upper
104 100
78 59.8 47.4 71.2
103 47.4 38.8 58.2





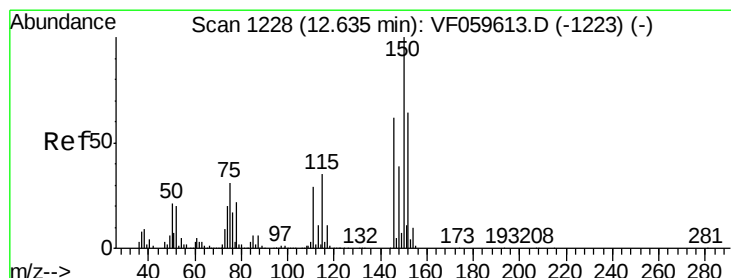
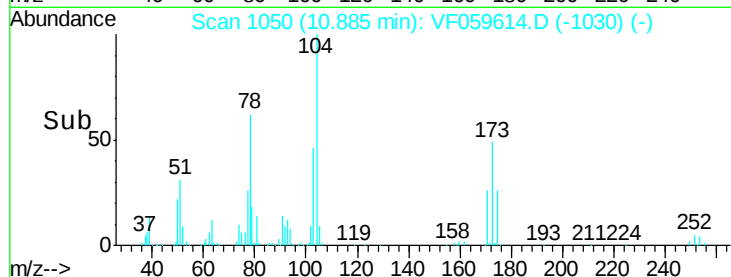
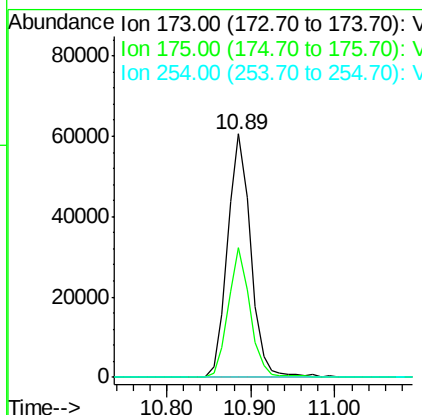
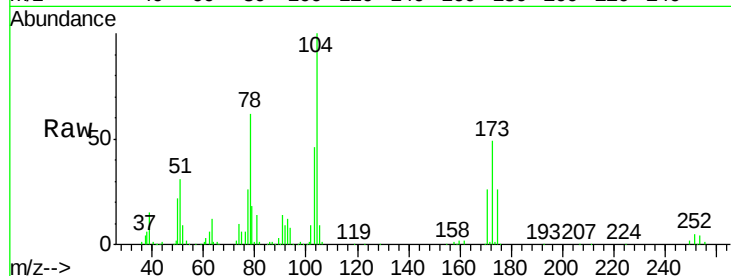
#71
Bromoform
Concen: 61.84 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
173	100		
175	53.3	25.1	75.2
254	0.0	0.0	0.0

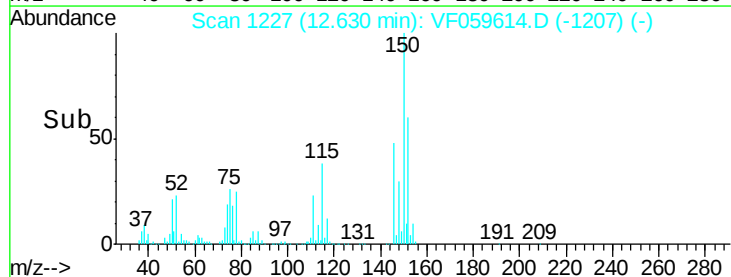
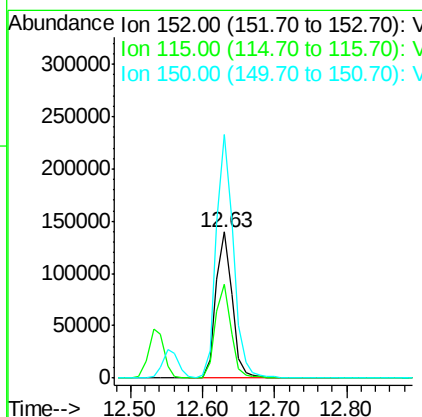
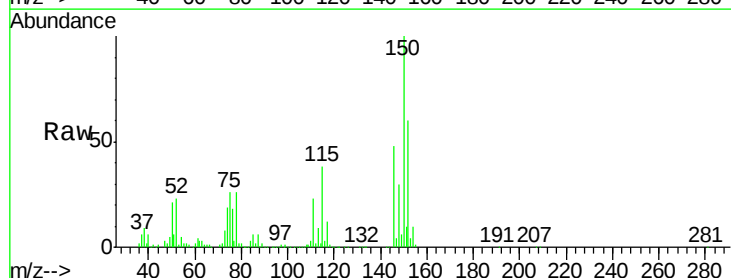
Manual Integrations
APPROVED

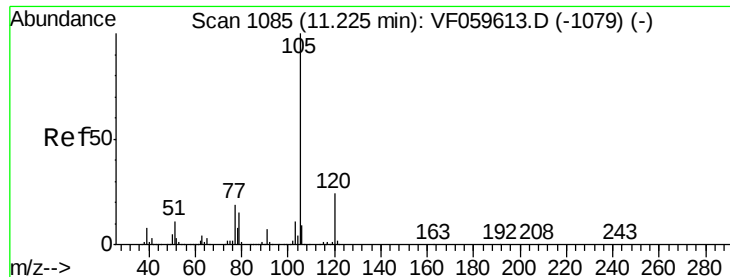
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.0	27.8	83.4
150	166.6	0.0	314.6





#73

Isopropylbenzene

Concen: 62.38 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampled :

VSTDIC075

Tot Ion: 105 Resp: 859491

Ion Ratio Lower Upper

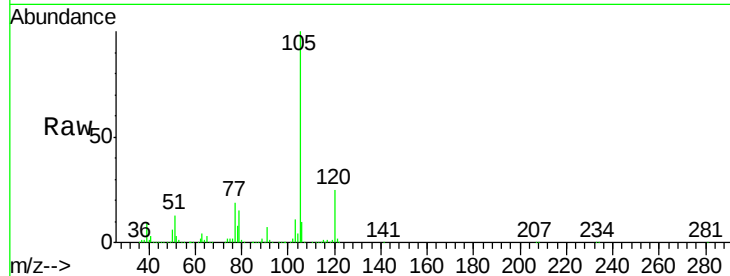
105 100

120 24.7 11.8 35.4

Manual Integrations
APPROVED

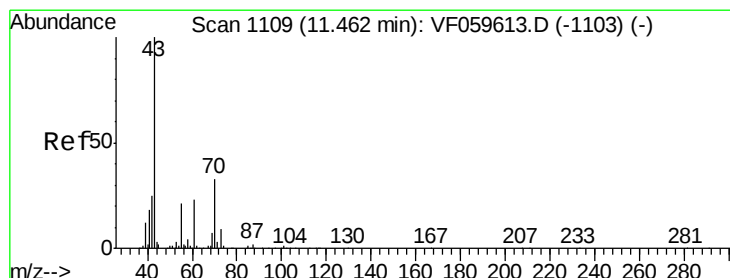
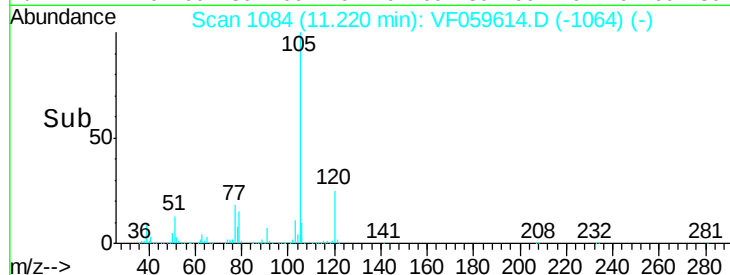
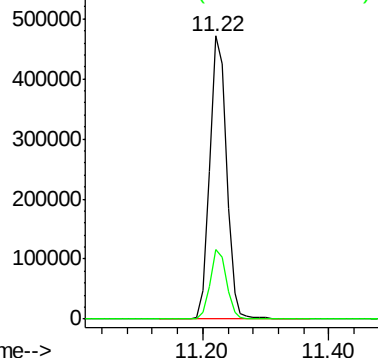
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 65.53 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Tgt Ion: 43 Resp: 225012

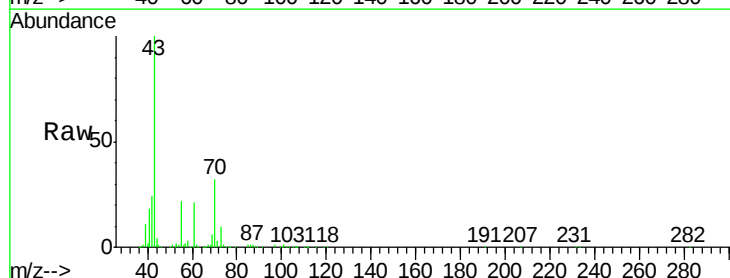
Ion Ratio Lower Upper

43 100

70 32.0 26.6 40.0

55 21.8 17.0 25.6

61 20.8 18.3 27.5

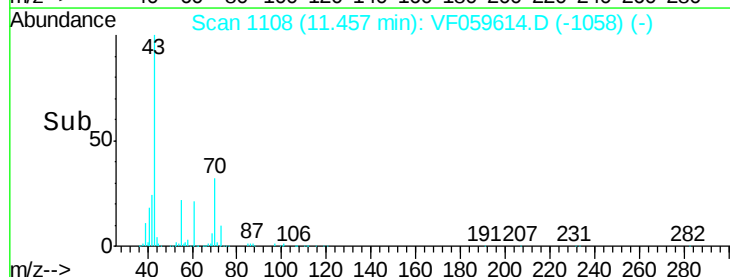
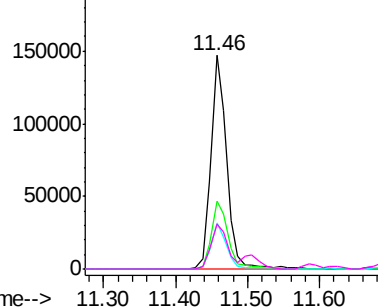


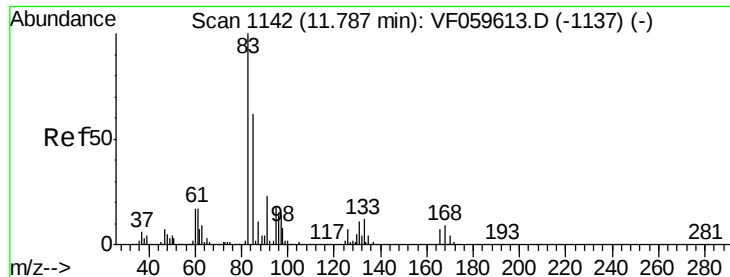
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 58.84 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

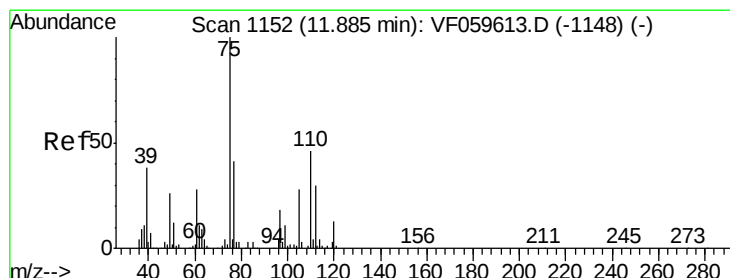
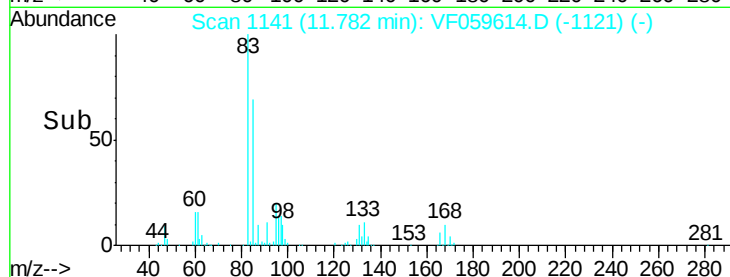
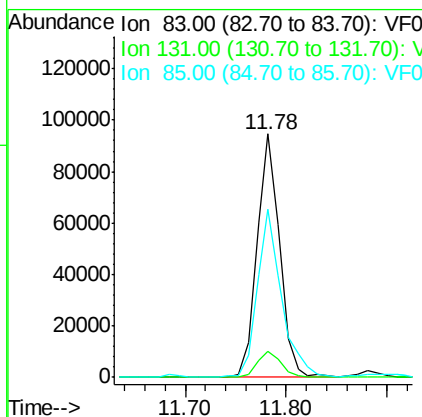
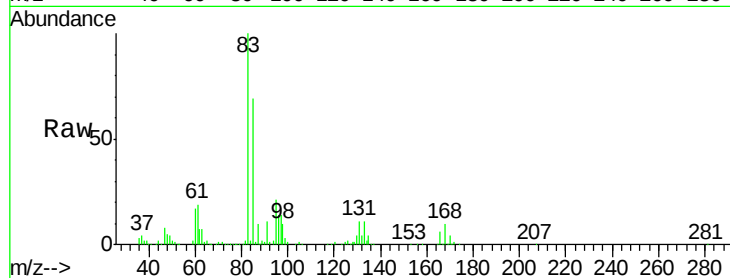
ClientSampleId :

VSTDIC075

Tot Ion	83	Resp	148529
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.7	17.0
85	68.9	31.1	93.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 58.59 ug/l

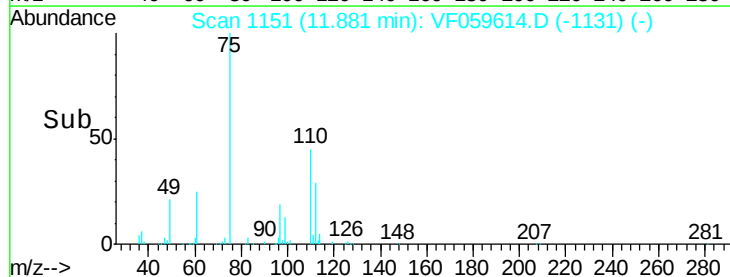
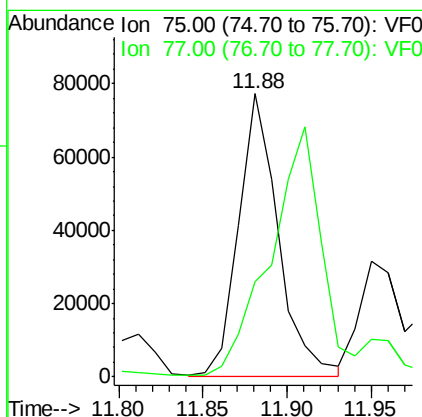
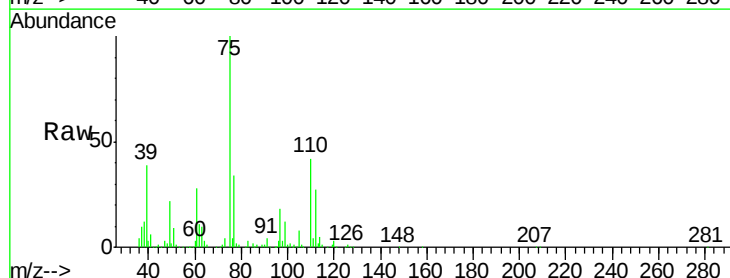
RT: 11.88 min Scan# 1151

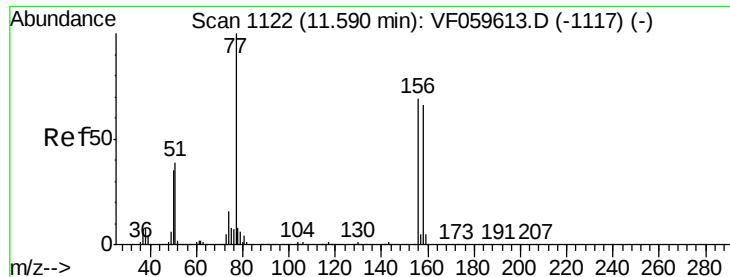
Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Tgt Ion	75	Resp	125877
Ion	Ratio	Lower	Upper
75	100		
77	33.8	20.9	62.8





#77

Bromobenzene

Concen: 62.71 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

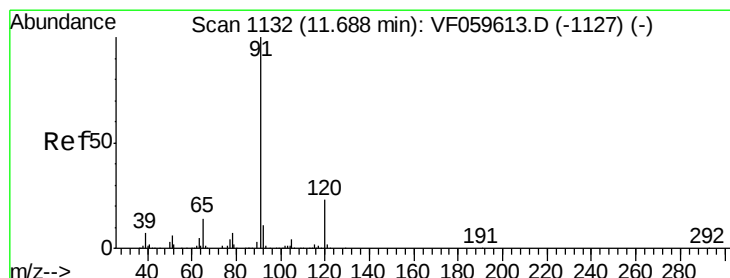
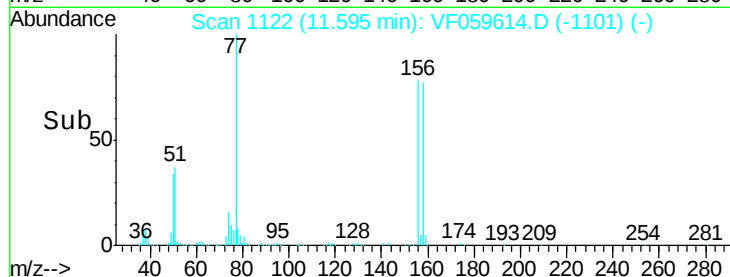
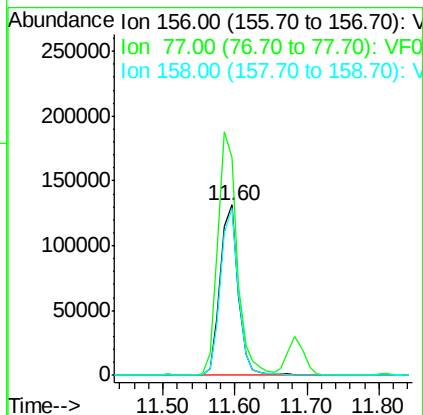
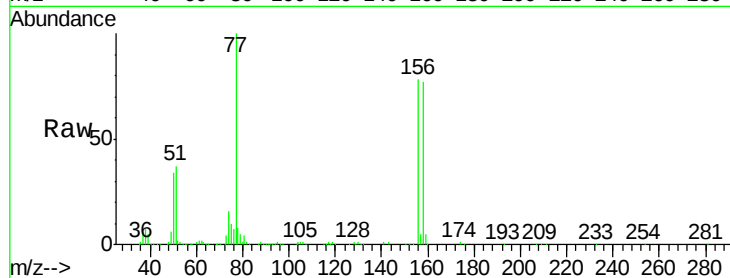
ClientSampleId :

VSTDIC075

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		228814		
77	128.4	72.1	216.3		
158	98.3	47.3	141.9		

Manual Integrations
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#78

n-propylbenzene

Concen: 59.88 ug/l

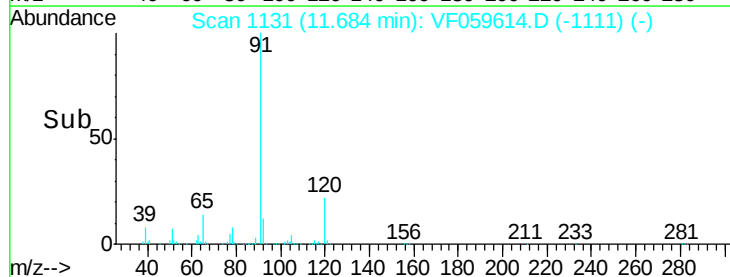
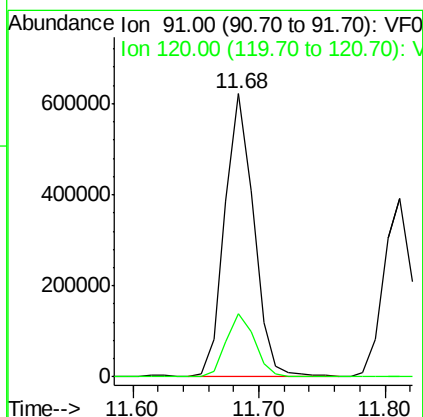
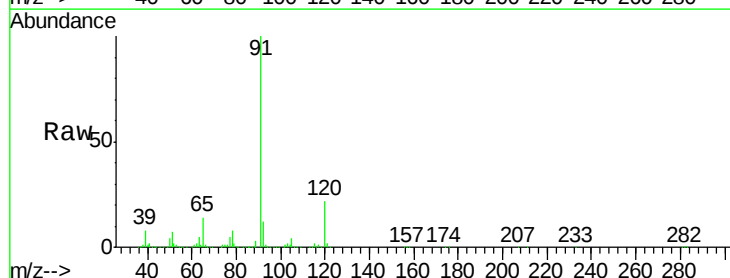
RT: 11.68 min Scan# 1131

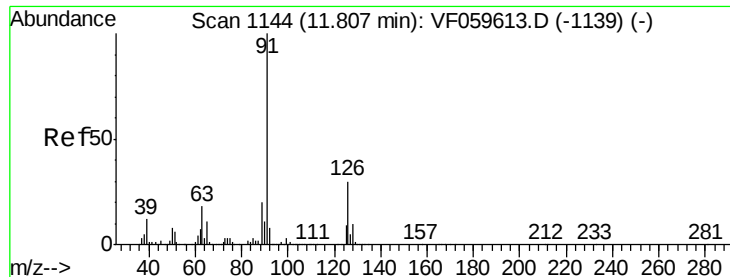
Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		982163		
120	22.1	11.6	34.7		





#79

2-Chlorotoluene

Concen: 63.08 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 622444

Ion Ratio Lower Upper

91 100

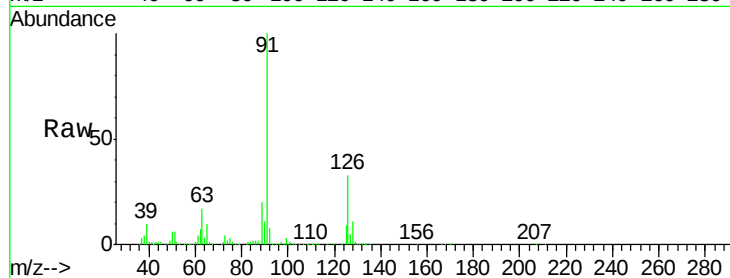
126 33.0 15.1 45.3

Manual Integrations

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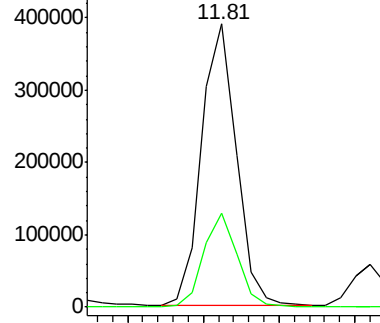
apatel

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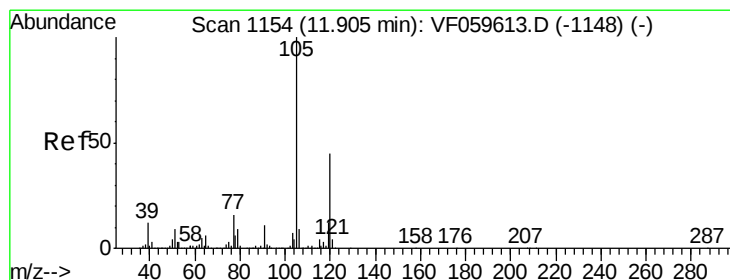
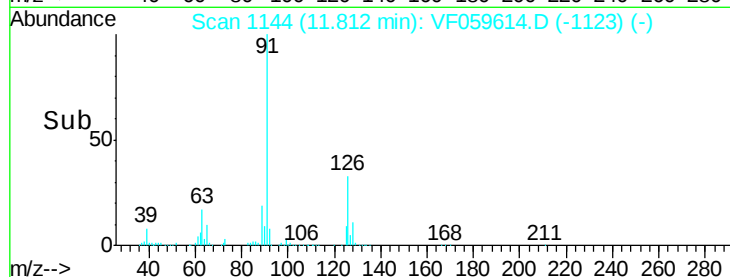


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 62.93 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF059614.D

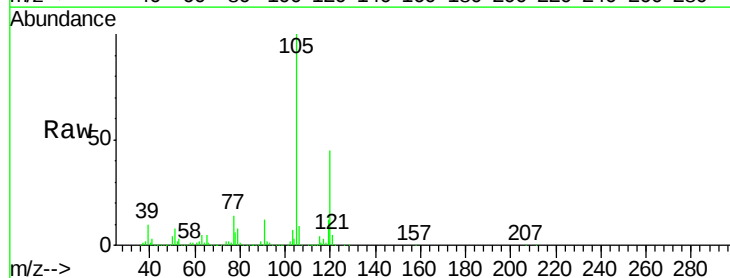
Acq: 23 Jul 2018 14:46

Tgt Ion:105 Resp: 765755

Ion Ratio Lower Upper

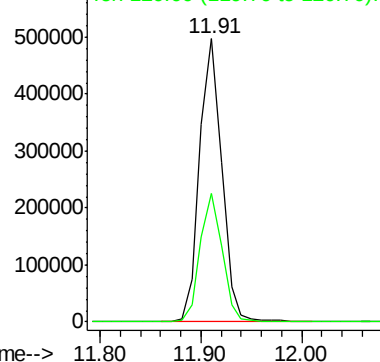
105 100

120 45.4 22.4 67.0

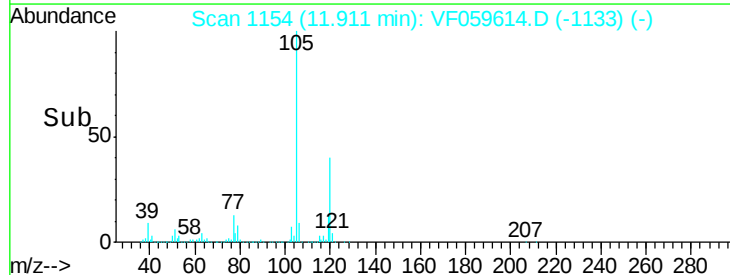


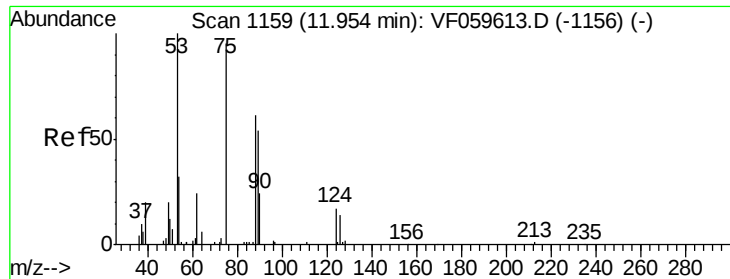
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 47.34 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Instrument :

MSVOA_F

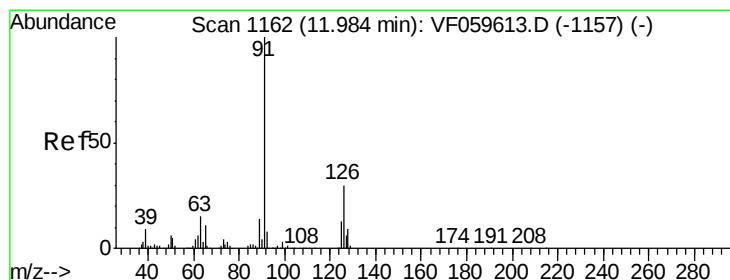
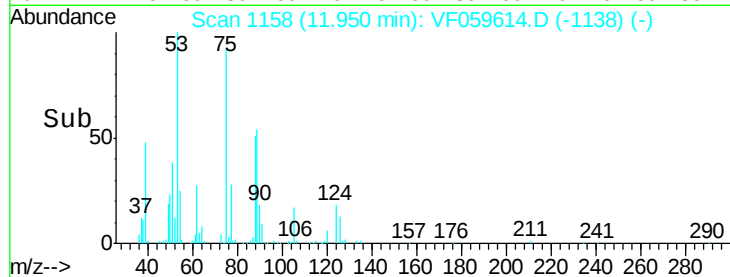
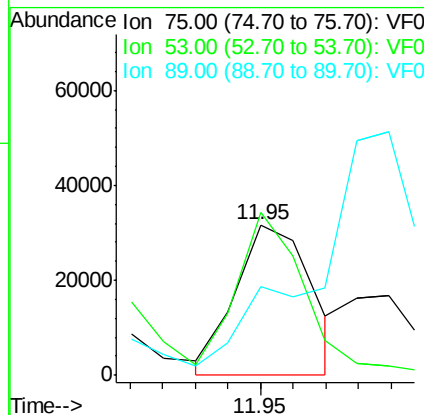
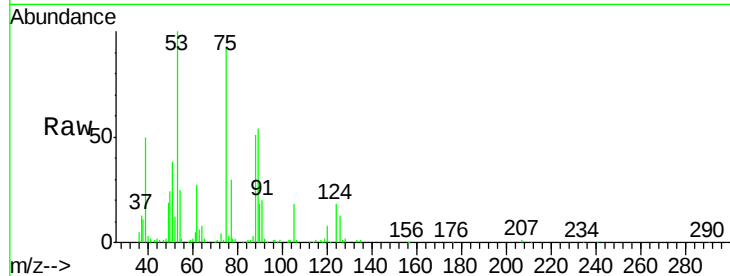
ClientSampleId :

VSTDIC075

Tot Ion:	75	Resp:	50669
Ion	Ratio	Lower	Upper
75	100		
53	108.4	86.4	129.6
89	58.9	46.8	70.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 62.37 ug/l

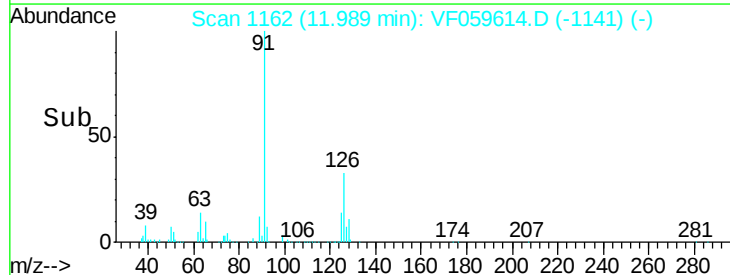
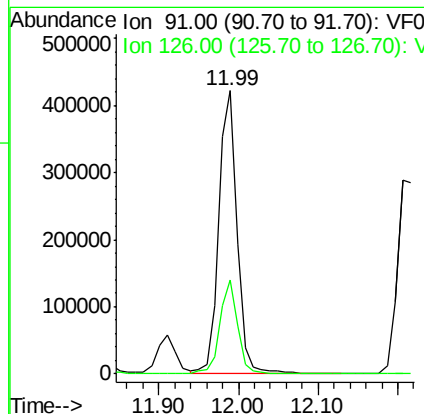
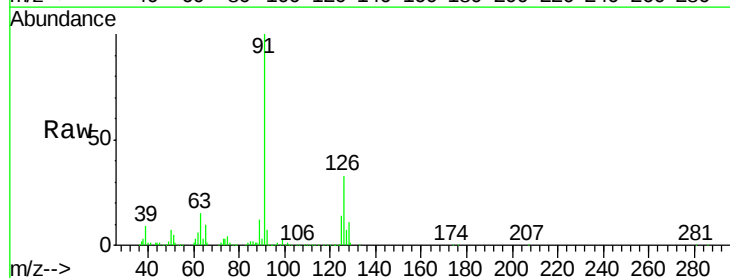
RT: 11.99 min Scan# 1162

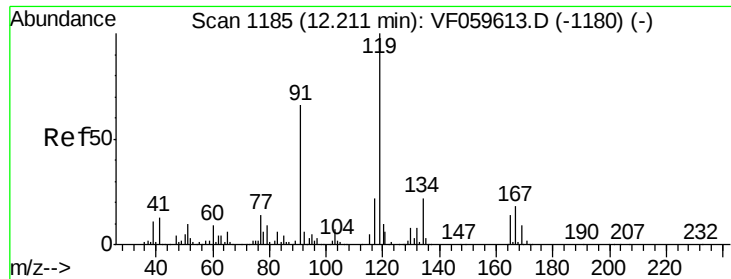
Delta R.T. 0.01 min

Lab File: VF059614.D

Acq: 23 Jul 2018 14:46

Tgt Ion:	91	Resp:	685655
Ion	Ratio	Lower	Upper
91	100		
126	33.0	14.7	44.1





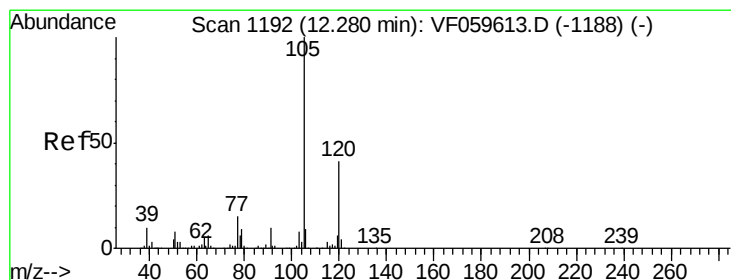
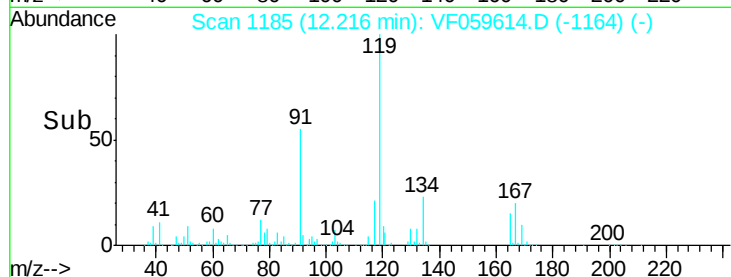
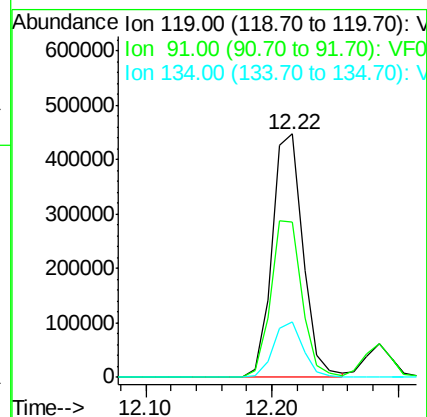
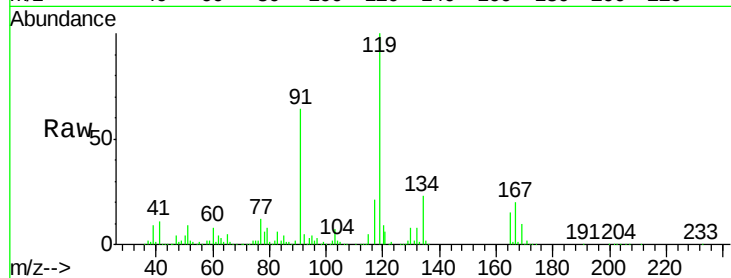
#83
 tert-Butylbenzene
 Concen: 63.57 ug/l
 RT: 12.22 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	33.2	99.6
134	22.8	10.9	32.6

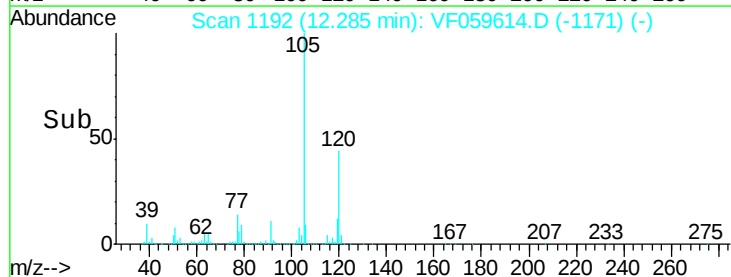
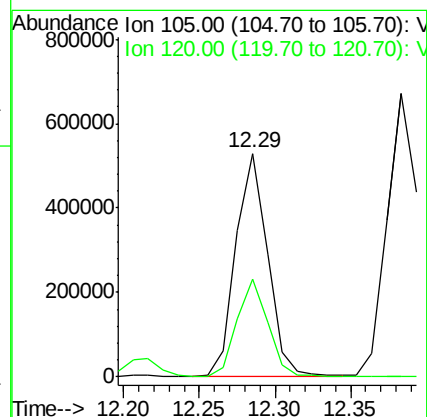
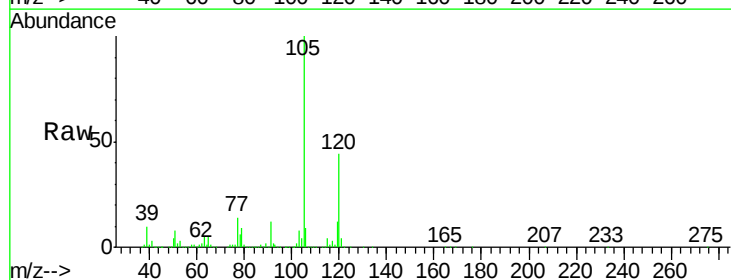
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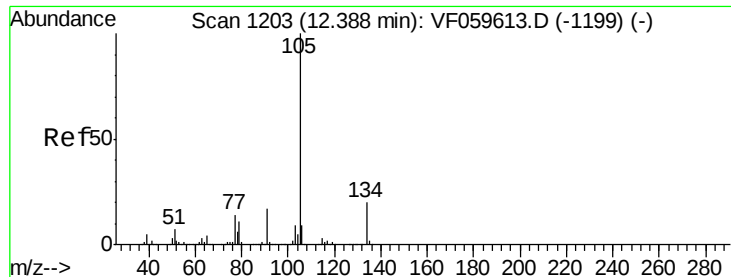
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#84
 1,2,4-Trimethylbenzene
 Concen: 62.81 ug/l
 RT: 12.29 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	20.4	61.3





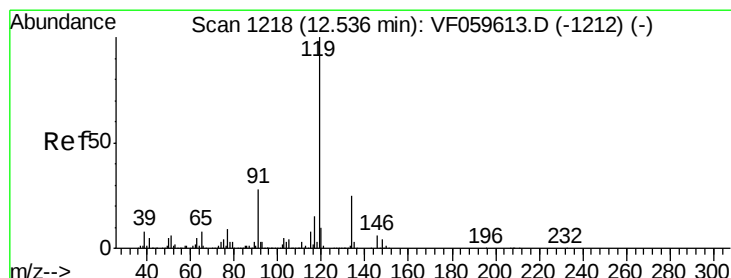
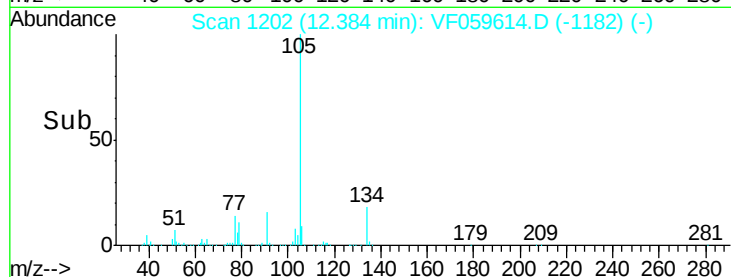
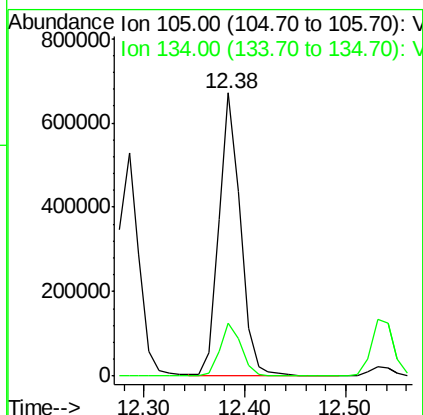
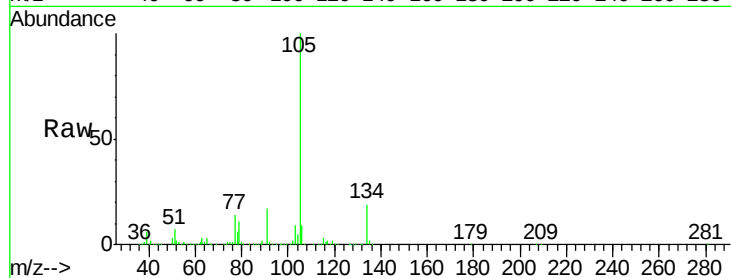
#85
 sec-Butylbenzene
 Concen: 65.37 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
105	100	999295		
134	18.8	9.9	29.7	

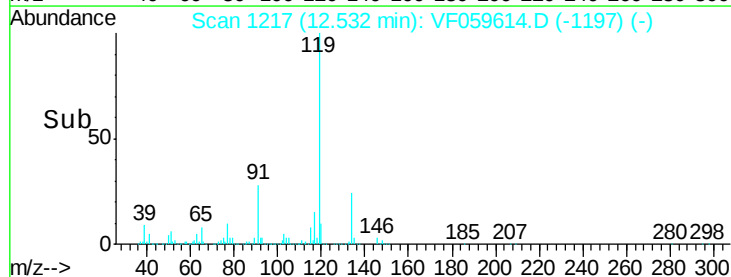
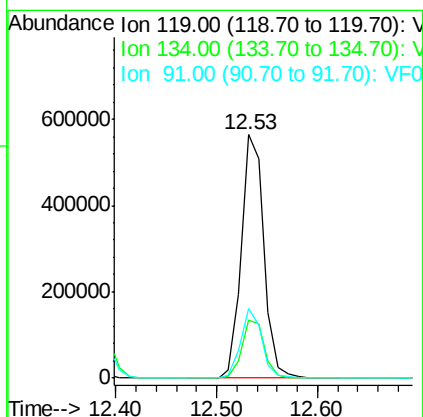
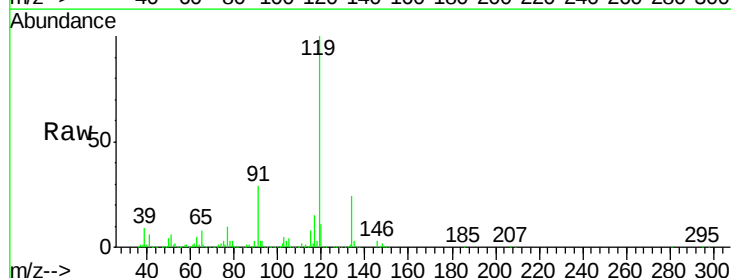
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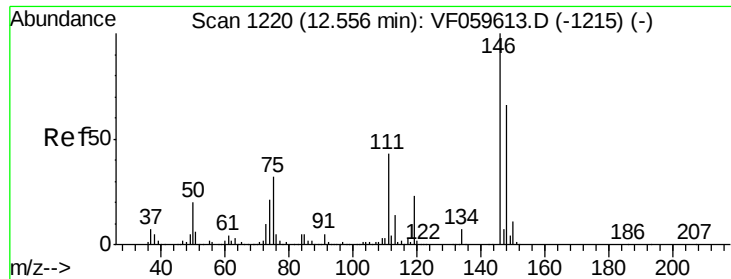
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#86
 p-Isopropyltoluene
 Concen: 65.54 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	872811		
134	23.9	12.4	37.2	
91	28.6	13.9	41.7	





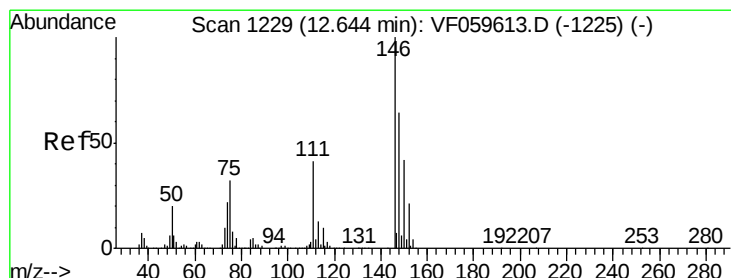
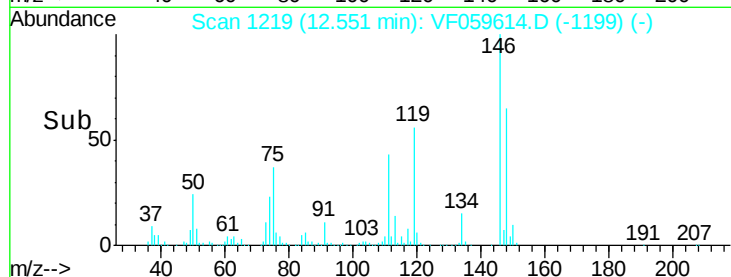
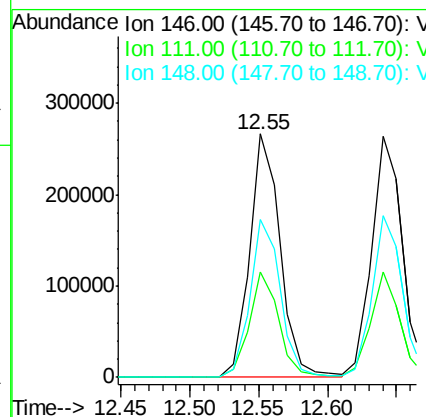
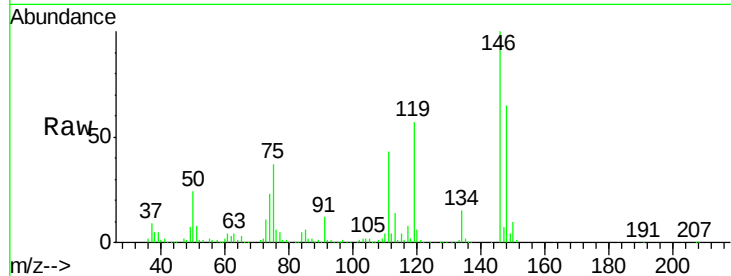
#87
 1,3-Dichlorobenzene
 Concen: 61.00 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	64.8
148	64.7	33.1	99.3

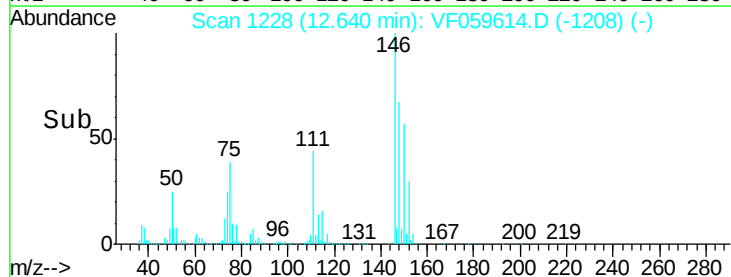
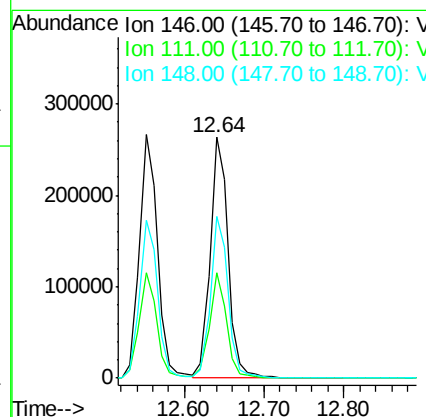
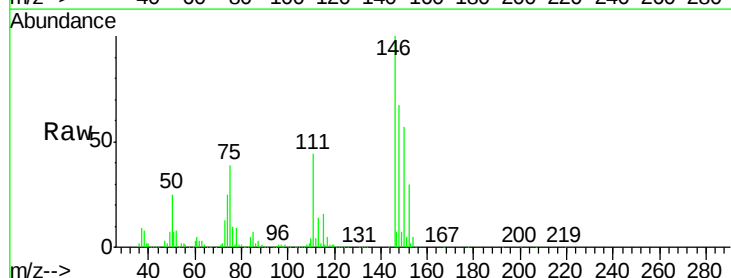
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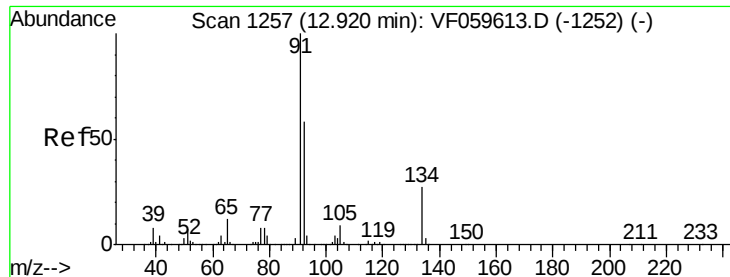
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#88
 1,4-Dichlorobenzene
 Concen: 64.11 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.5	61.5
148	67.0	32.3	96.8





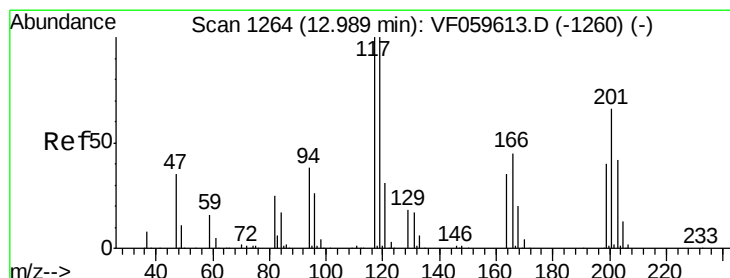
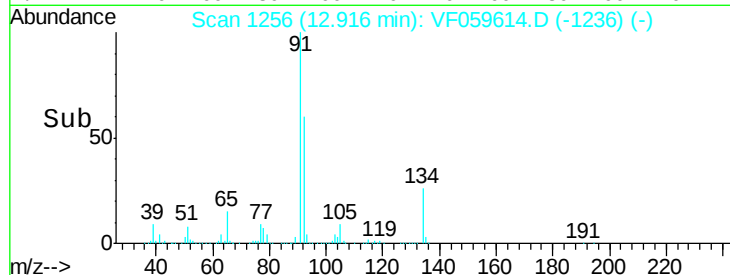
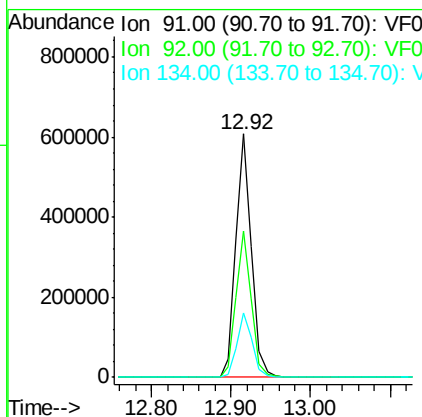
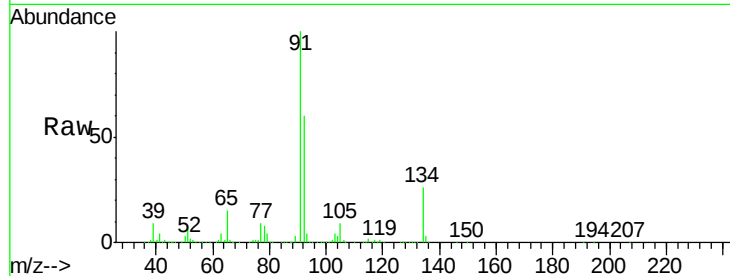
#89
n-Butylbenzene
Concen: 65.94 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.2	28.8	86.4
134	26.5	13.5	40.4

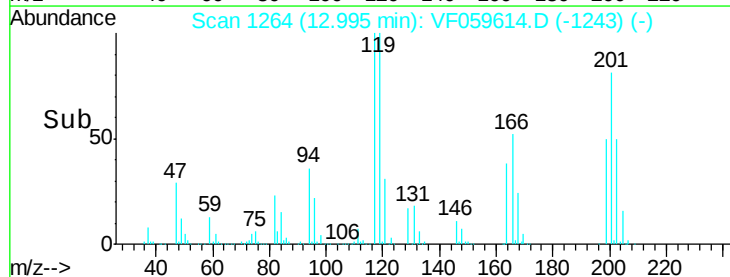
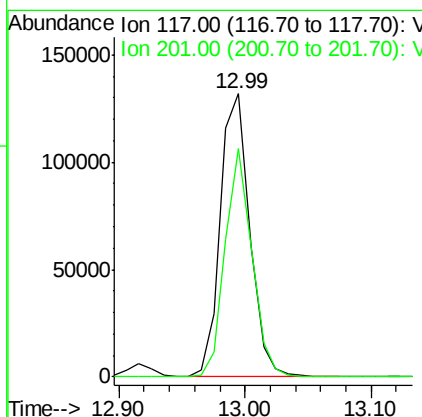
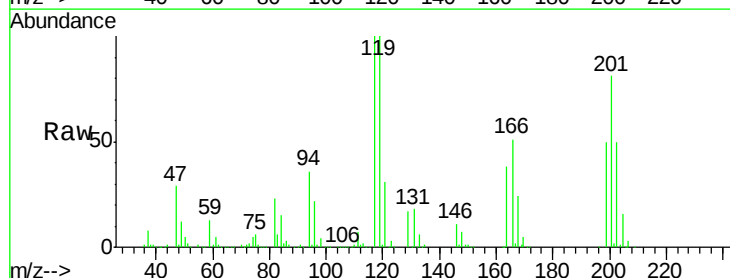
Manual Integrations
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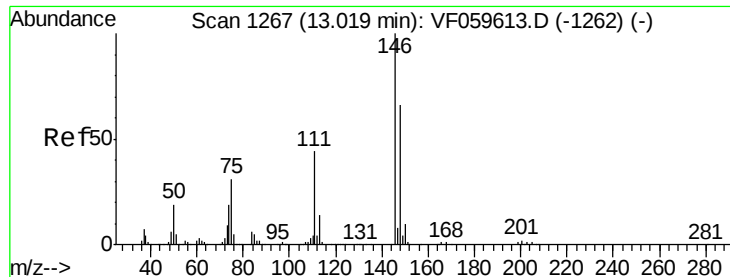
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#90
Hexachloroethane
Concen: 65.28 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.6	33.6	100.6





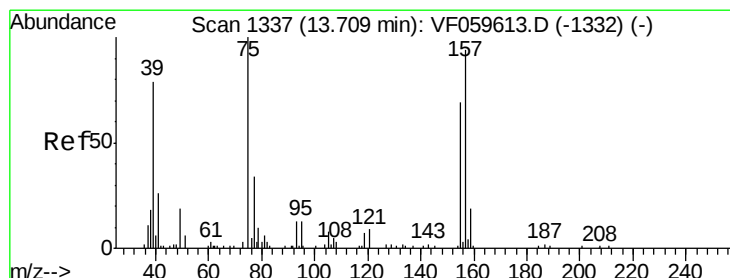
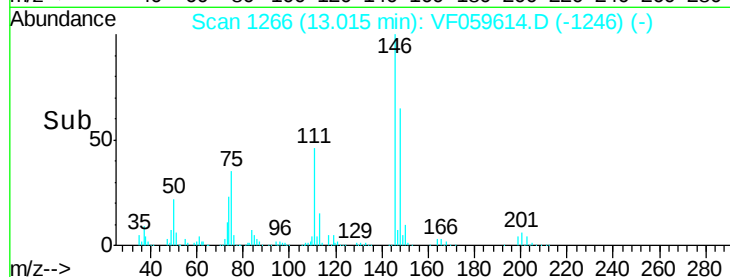
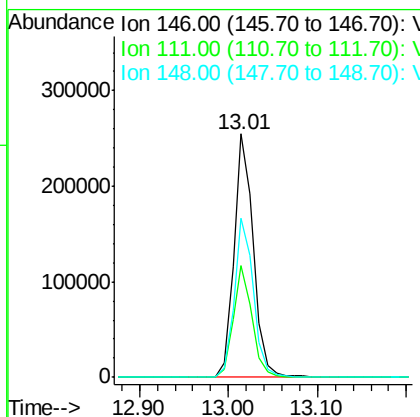
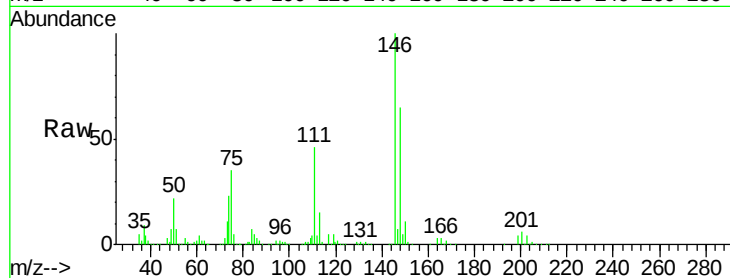
#91
 1,2-Dichlorobenzene
 Concen: 61.31 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

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

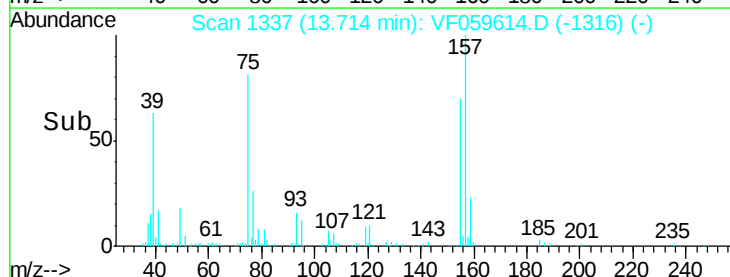
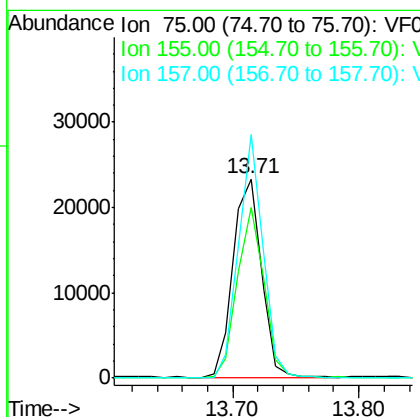
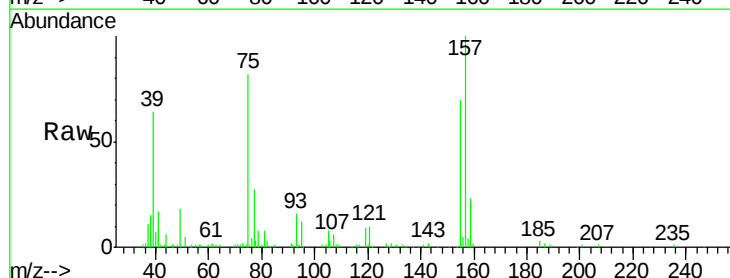
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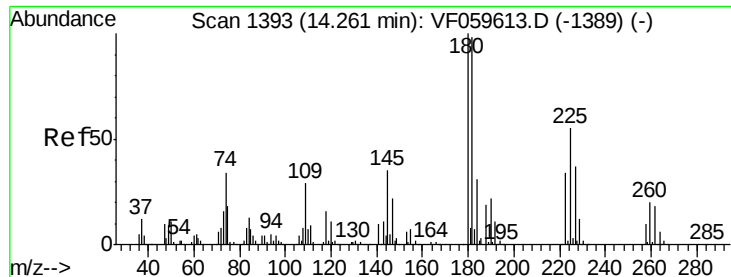
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.66 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.01 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.5	34.6	103.8
157	122.3	47.0	141.0





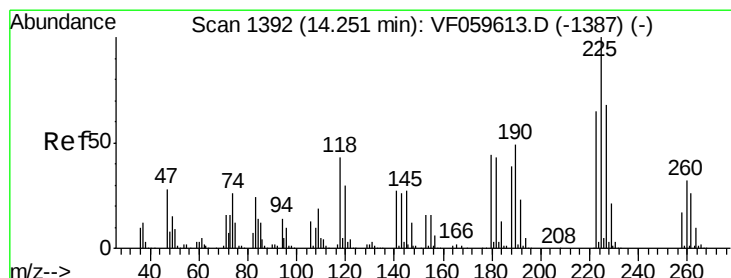
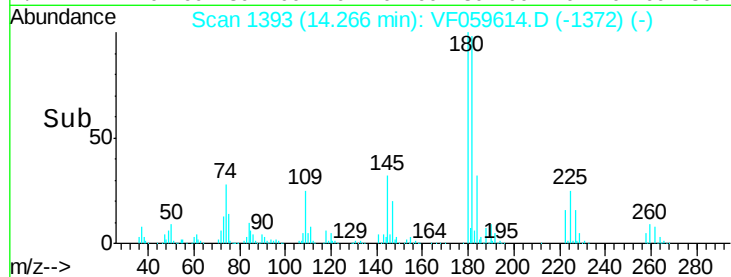
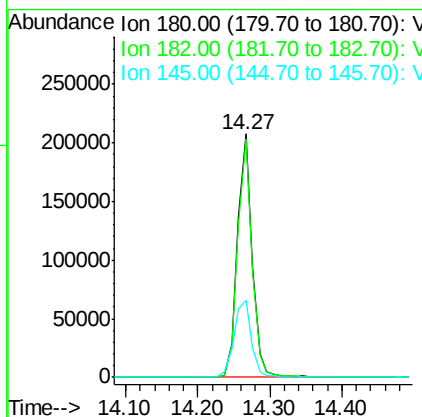
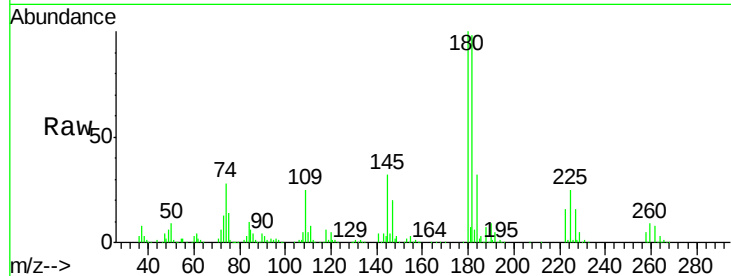
#93
 1,2,4-Trichlorobenzene
 Concen: 65.36 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100	297970		
182	98.2	48.8	146.3	
145	31.9	17.5	52.6	

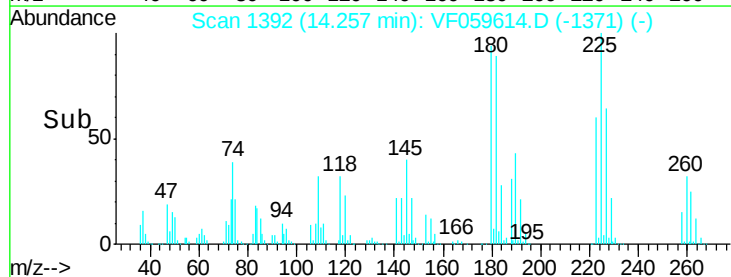
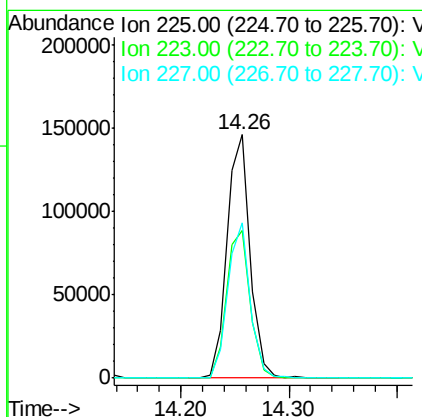
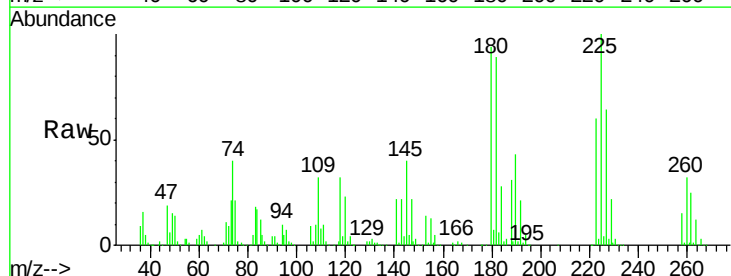
Manual Integrations
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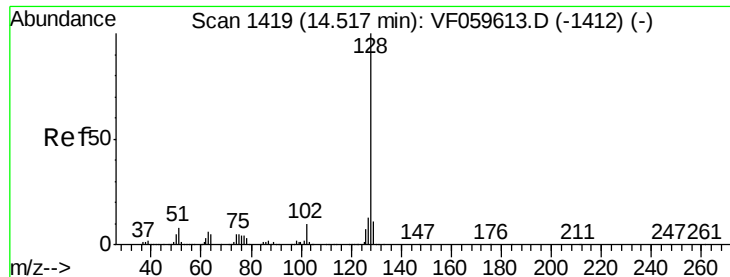
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#94
 Hexachlorobutadiene
 Concen: 72.77 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF059614.D
 Acq: 23 Jul 2018 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	215635		
223	60.4	32.6	98.0	
227	63.8	33.9	101.6	





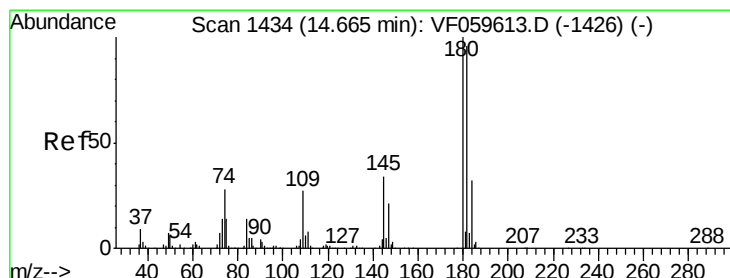
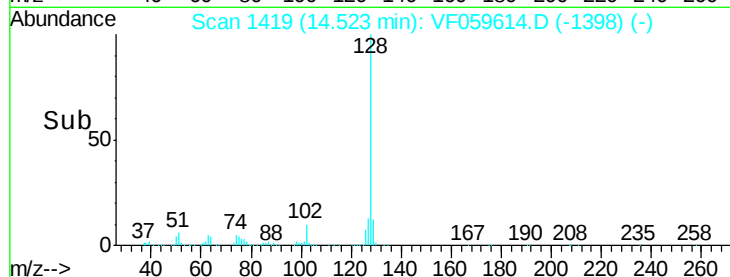
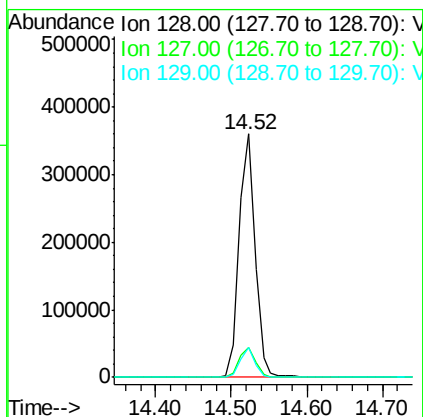
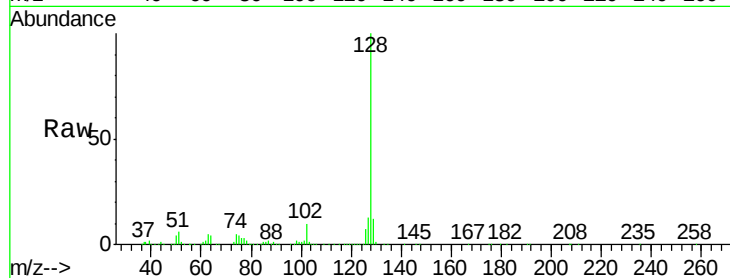
#95
Naphthalene
Concen: 66.23 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	12.1	9.1	13.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 69.98 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VF059614.D
Acq: 23 Jul 2018 14:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.0	144.2
145	30.7	17.1	51.2

