

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091918\
 Data File : VF060283.D
 Acq On : 19 Sep 2018 15:38
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 9/20/2018 11:41:31 AM

Quant Time: Sep 20 02:54:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:18:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	265043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	476921	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	420122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	216626	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	494225	138.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.96%	
35) Dibromofluoromethane	4.29	113	535940	126.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	252.12%	
50) Toluene-d8	7.70	98	1385298	125.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	250.24%	
62) 4-Bromofluorobenzene	11.51	95	603077	126.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	252.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	547858	116.42	ug/l	98
3) Chloromethane	1.13	50	440770	123.44	ug/l	100
4) Vinyl Chloride	1.18	62	460778	125.18	ug/l	100
5) Bromomethane	1.35	94	276283	111.89	ug/l	97
6) Chloroethane	1.42	64	207803	118.54	ug/l	96
7) Trichlorofluoromethane	1.54	101	838490	122.27	ug/l	100
8) Diethyl Ether	1.70	74	148707	130.34	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.89	101	436843	119.78	ug/l	94
10) Methyl Iodide	1.96	142	763543	129.84	ug/l	93
11) Tert butyl alcohol	2.69	59	145222	638.33	ug/l	94
12) 1,1-Dichloroethene	1.85	96	359439	119.17	ug/l	97
13) Acrolein	2.08	56	50681	455.75	ug/l	84
14) Allyl chloride	2.18	41	675241	128.29	ug/l	96
15) Acrylonitrile	3.07	53	328793	652.30	ug/l	96
16) Acetone	2.34	43	621122	617.98	ug/l	100
17) Carbon Disulfide	1.90	76	1036596	113.87	ug/l	99
18) Methyl Acetate	2.45	43	234175	139.86	ug/l	96
19) Methyl tert-butyl Ether	2.54	73	994029	132.20	ug/l	99
20) Methylene Chloride	2.28	84	370200m	103.62	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	395182	126.86	ug/l	94
22) Diisopropyl ether	2.92	45	1275344	128.43	ug/l	99
23) Vinyl Acetate	3.33	43	2602495	667.27	ug/l	98
24) 1,1-Dichloroethane	3.00	63	813043	126.24	ug/l	98
25) 2-Butanone	4.50	43	917108	677.92	ug/l	99
26) 2,2-Dichloropropane	3.76	77	455308	123.90	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	540945	132.18	ug/l	88
28) Bromochloromethane	3.88	49	321640	128.27	ug/l	89
29) Tetrahydrofuran	4.24	42	327203	660.47	ug/l	99
30) Chloroform	4.04	83	994008	127.91	ug/l	96
31) Cyclohexane	3.86	56	642408	118.09	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	807896	131.76	ug/l	99
36) 1,1-Dichloropropene	4.45	75	702636	118.11	ug/l	98
37) Ethyl Acetate	4.28	43	310874	123.50	ug/l	94
38) Carbon Tetrachloride	4.16	117	772707m	113.83	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	721316	111.88	ug/l	96
40) Benzene	4.80	78	1659607	123.03	ug/l	99
41) Methacrylonitrile	4.91	41	172861	126.56	ug/l	98
42) 1,2-Dichloroethane	5.11	62	658039	132.54	ug/l	100
43) Isopropyl Acetate	7.10	43	418404	138.07	ug/l	93
44) Trichloroethene	5.67	130	480390	119.66	ug/l	100
45) 1,2-Dichloropropane	6.40	63	441802	126.55	ug/l	100
46) Dibromomethane	6.24	93	326415	130.81	ug/l	92
47) Bromodichloromethane	6.54	83	769864	128.38	ug/l	95
48) Methyl methacrylate	6.86	41	274582	129.08	ug/l	96
49) 1,4-Dioxane	6.85	88	50279	2645.68	ug/l	97
51) 4-Methyl-2-Pentanone	8.40	43	1614335	691.19	ug/l	96
52) Toluene	7.77	92	1037295	121.55	ug/l	90
53) t-1,3-Dichloropropene	8.42	75	621850	128.56	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	773138	126.87	ug/l	100
55) 1,1,2-Trichloroethane	8.63	97	342668	132.30	ug/l	97
56) Ethyl methacrylate	8.76	69	430190	137.53	ug/l	98
57) 1,3-Dichloropropane	8.99	76	585597	136.55	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	156133	564.62	ug/l	100
59) 2-Hexanone	9.62	43	1156538	695.47	ug/l	95
60) Dibromochloromethane	8.86	129	517394	134.03	ug/l	99
61) 1,2-Dibromoethane	9.13	107	386986	134.18	ug/l	95
64) Tetrachloroethene	8.30	164	437970	115.00	ug/l	94
65) Chlorobenzene	9.94	112	1194382	125.44	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	489796	123.95	ug/l	98
67) Ethyl Benzene	10.04	91	1987212	112.88	ug/l	94
68) m/p-Xylenes	10.27	106	1445810	237.70	ug/l	82
69) o-Xylene	10.83	106	822771	120.60	ug/l	86
70) Styrene	10.90	104	1148001	119.32	ug/l	96
71) Bromoform	10.89	173	295310	136.08	ug/l #	93
73) Isopropylbenzene	11.22	105	2206511	113.46	ug/l	93
74) N-amyl acetate	11.46	43	579688	139.79	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	438183	127.14	ug/l	93
76) 1,2,3-Trichloropropane	11.88	75	322636	130.74	ug/l	89
77) Bromobenzene	11.60	156	515122	122.91	ug/l	94
78) n-propylbenzene	11.68	91	2487748	108.36	ug/l	94
79) 2-Chlorotoluene	11.81	91	1504963	114.72	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	1728663	110.43	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	175151m	110.16	ug/l	
82) 4-Chlorotoluene	11.99	91	1597404	121.15	ug/l	94
83) tert-Butylbenzene	12.22	119	1814041	114.31	ug/l	94
84) 1,2,4-Trimethylbenzene	12.29	105	1853616	116.61	ug/l	89
85) sec-Butylbenzene	12.38	105	2405115	109.46	ug/l	94
86) p-Isopropyltoluene	12.54	119	1937433	111.43	ug/l	94
87) 1,3-Dichlorobenzene	12.56	146	929947	118.74	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	937871	121.16	ug/l	92
89) n-Butylbenzene	12.92	91	1943336	105.67	ug/l	89
90) Hexachloroethane	13.00	117	533599	120.17	ug/l	83
91) 1,2-Dichlorobenzene	13.03	146	879819	117.77	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	92652	143.18	ug/l	88

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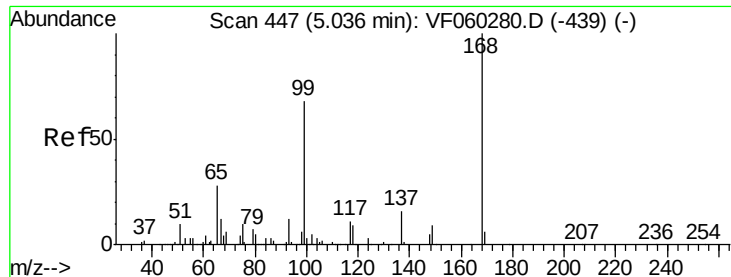
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	649418	119.59	ug/l	99
94) Hexachlorobutadiene	14.26	225	445569	121.38	ug/l	99
95) Naphthalene	14.52	128	1323759	139.04	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	625428	124.65	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 447

Delta R.T. 0.00 min

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Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 265043

Ion Ratio Lower Upper

168 100

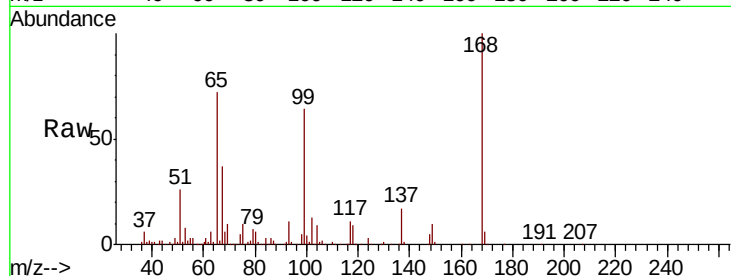
99 64.1 54.8 82.2

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

100000

80000

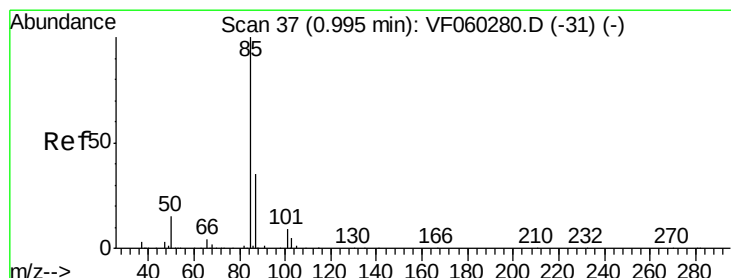
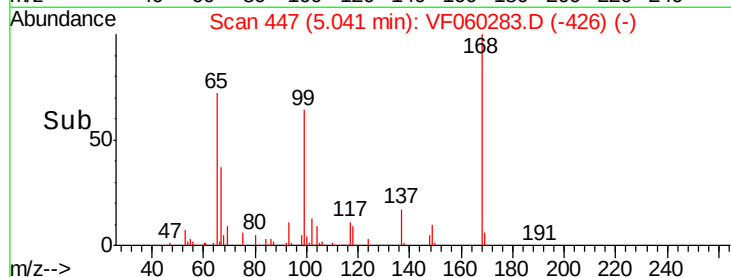
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 116.42 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060283.D

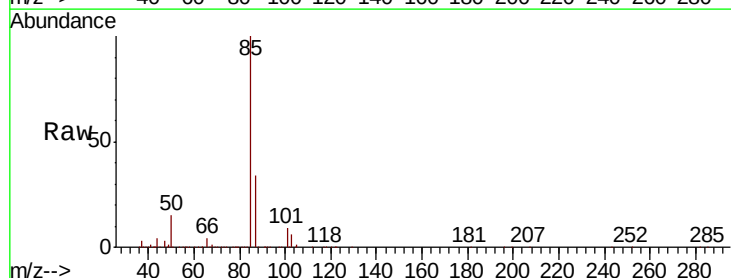
Acq: 19 Sep 2018 15:38

Tgt Ion: 85 Resp: 547858

Ion Ratio Lower Upper

85 100

87 33.7 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

250000

200000

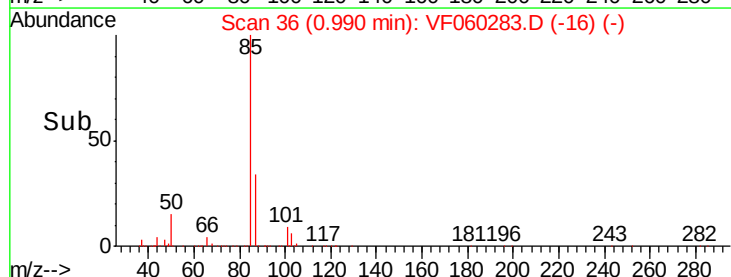
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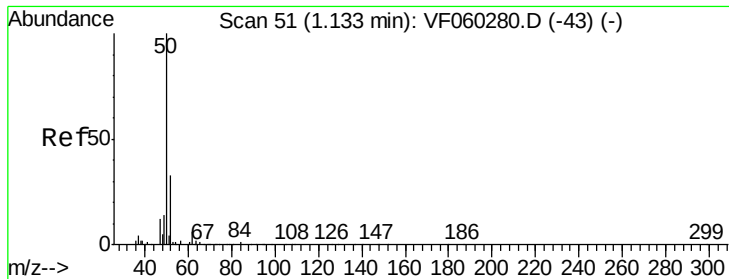
100000

50000

0

Time-->





#3

Chloromethane

Concen: 123.44 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 440770

Ion Ratio Lower Upper

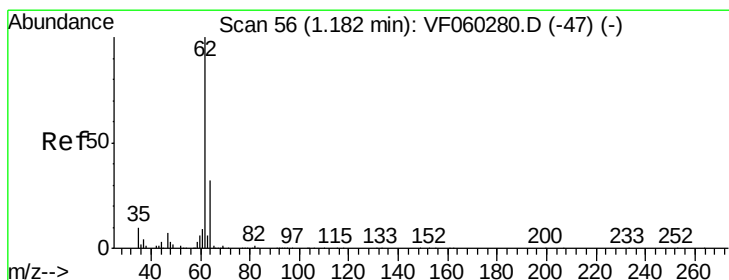
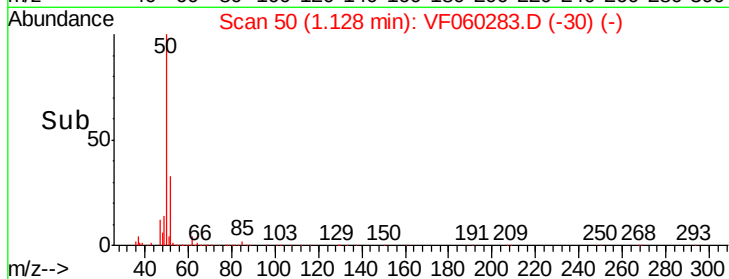
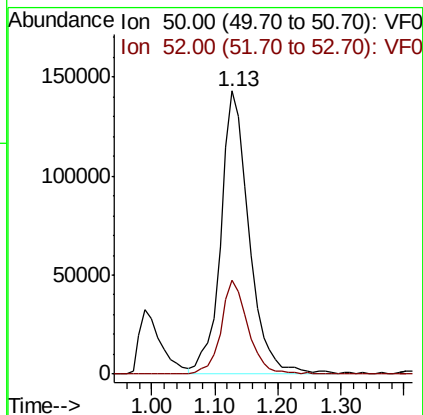
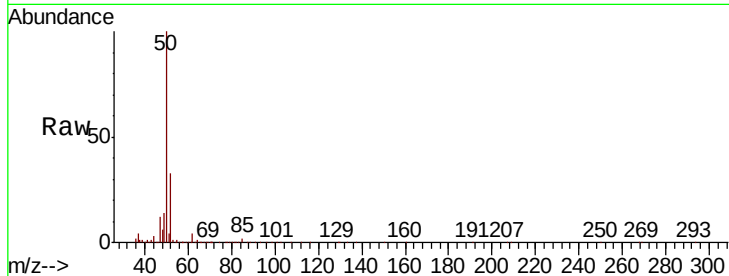
50 100

52 33.4 26.5 39.7

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#4

Vinyl Chloride

Concen: 125.18 ug/l

RT: 1.18 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060283.D

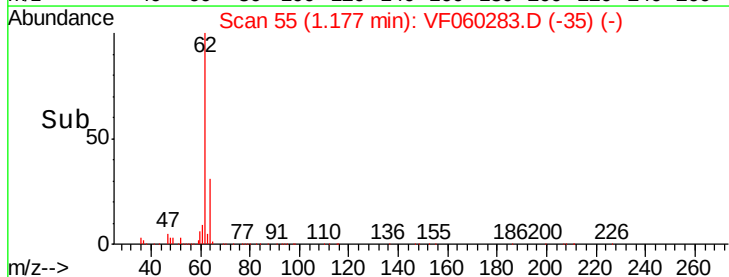
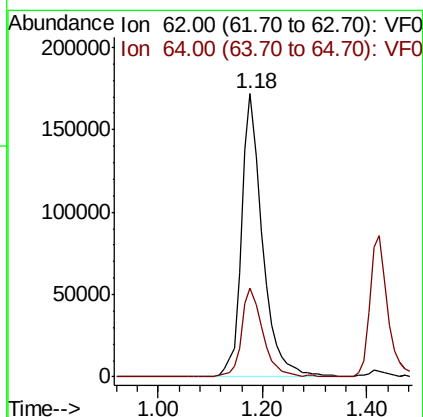
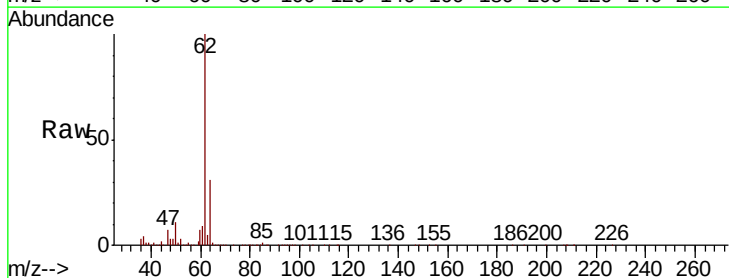
Acq: 19 Sep 2018 15:38

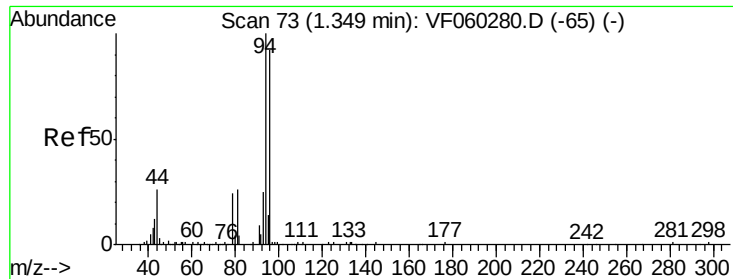
Tgt Ion: 62 Resp: 460778

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8





#5

Bromomethane

Concen: 111.89 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 276283

Ion Ratio Lower Upper

94 100

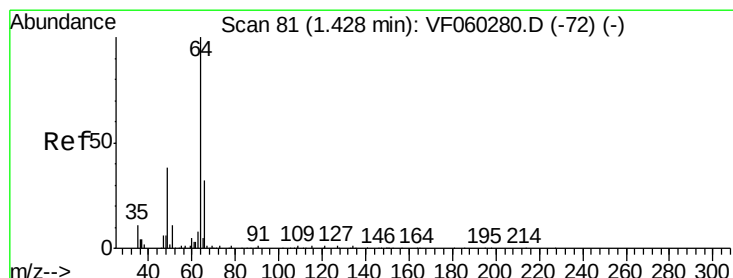
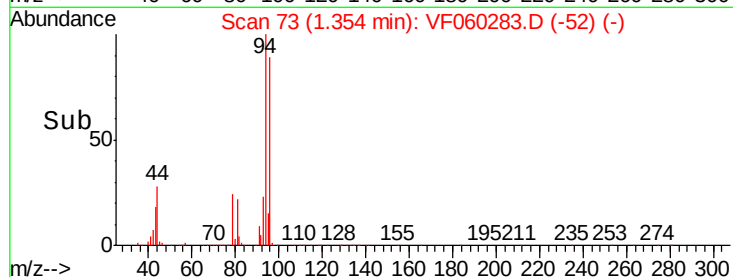
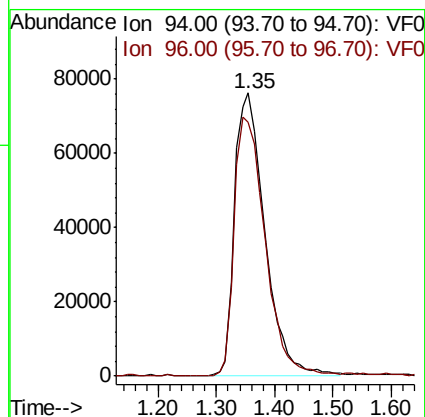
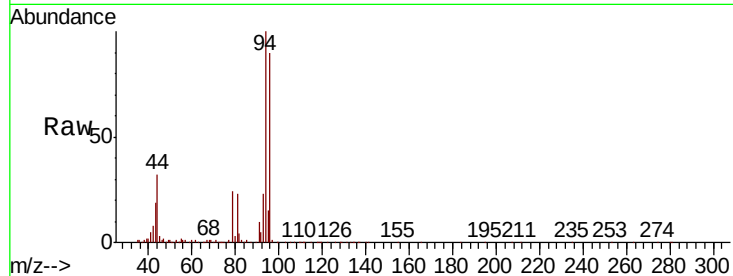
96 89.9 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 118.54 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060283.D

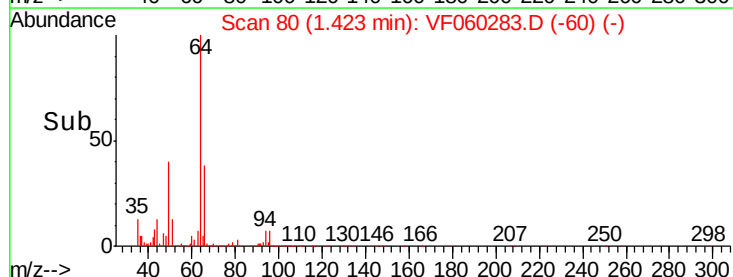
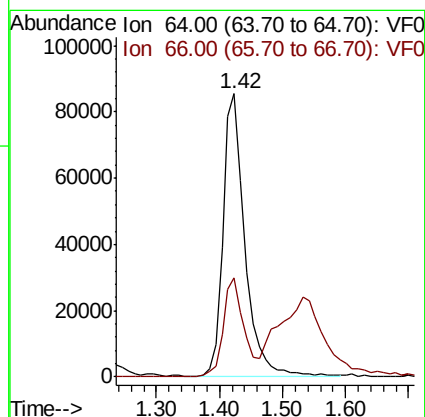
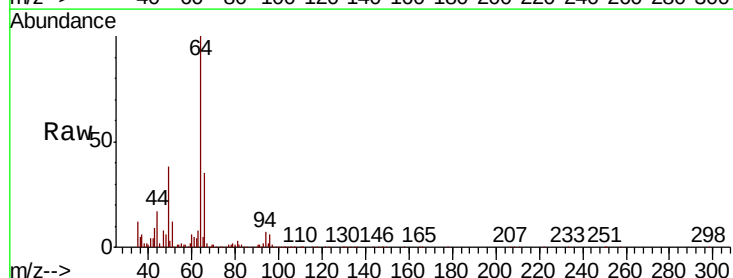
Acq: 19 Sep 2018 15:38

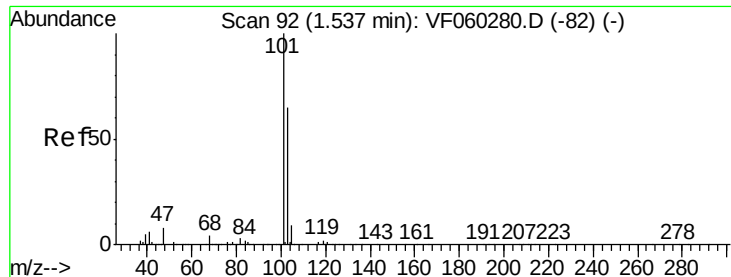
Tgt Ion: 64 Resp: 207803

Ion Ratio Lower Upper

64 100

66 35.1 26.2 39.2





#7

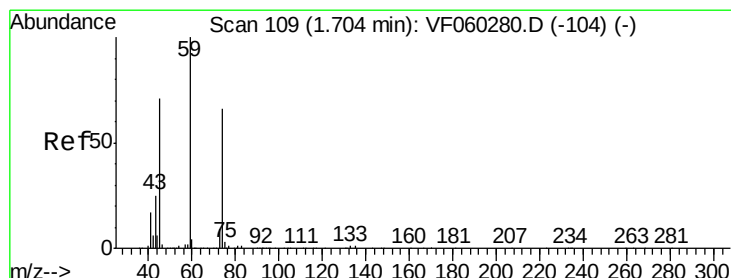
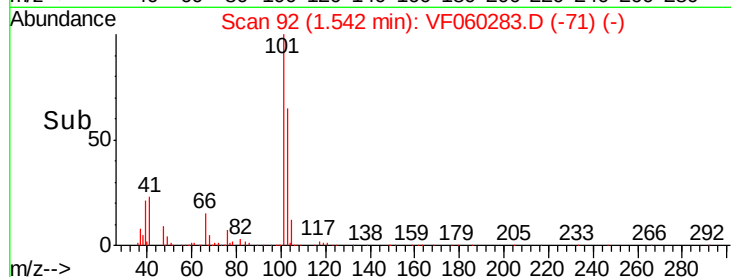
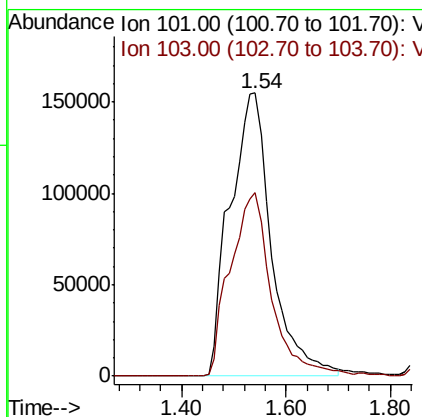
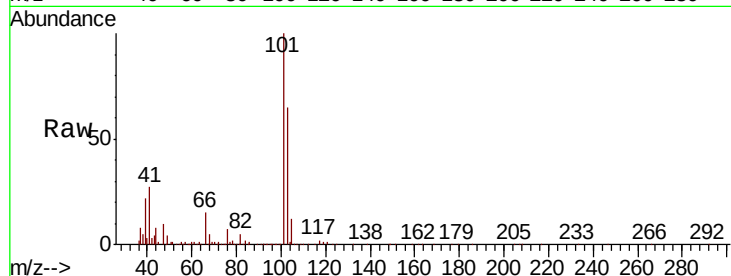
Trichlorofluoromethane
Concen: 122.27 ug/l
RT: 1.54 min Scan# 92
Delta R.T. 0.00 min
Lab File: VF060283.D
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.0	78.0

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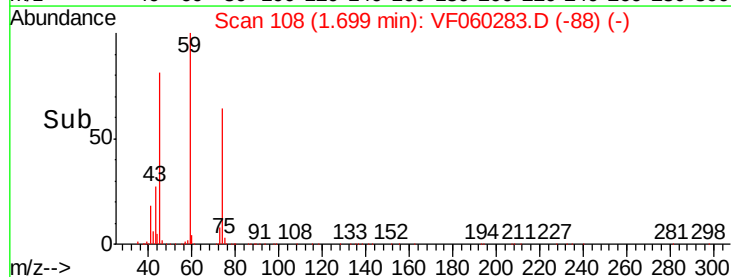
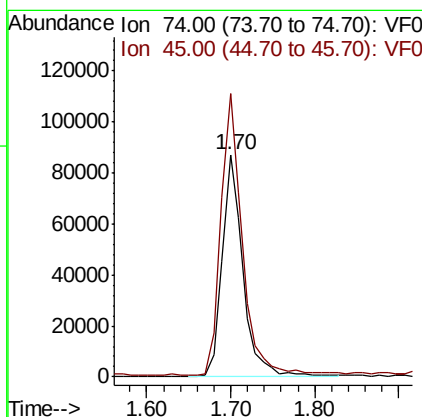
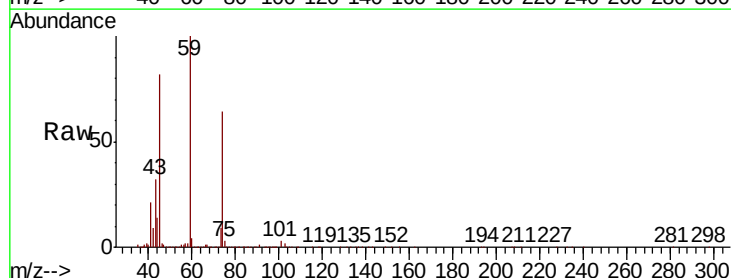
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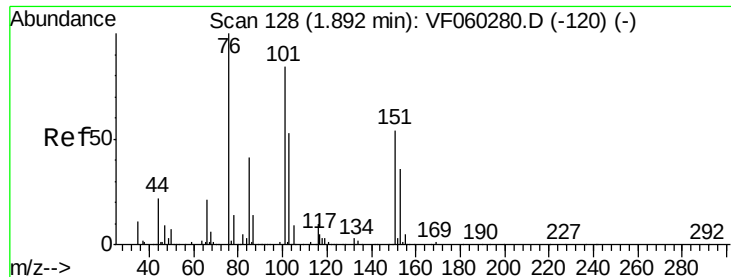


#8

Diethyl Ether
Concen: 130.34 ug/l
RT: 1.70 min Scan# 108
Delta R.T. -0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	127.5	53.9	161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 119.78 ug/l

RT: 1.89 min Scan# 127

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

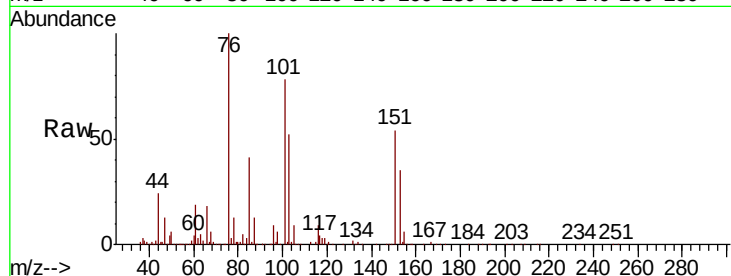
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	436843
Ion Ratio	Lower	Upper	
101	100		
85	52.2	38.7	58.1
151	68.9	50.8	76.2

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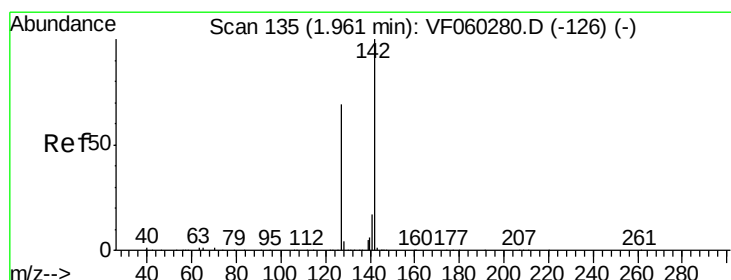
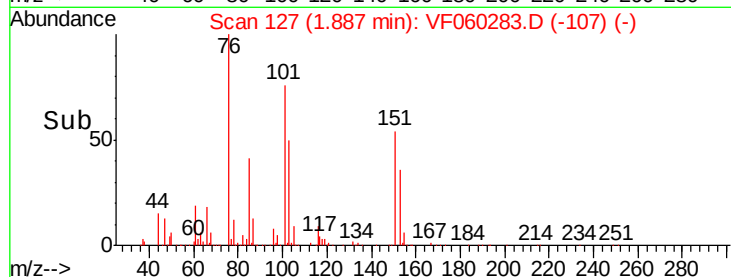
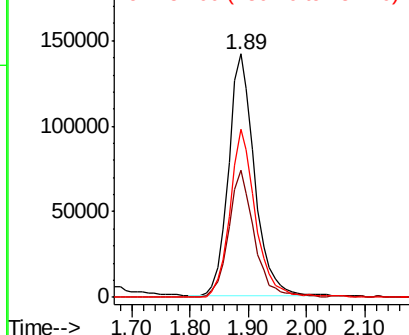


Abundance

Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 129.84 ug/l

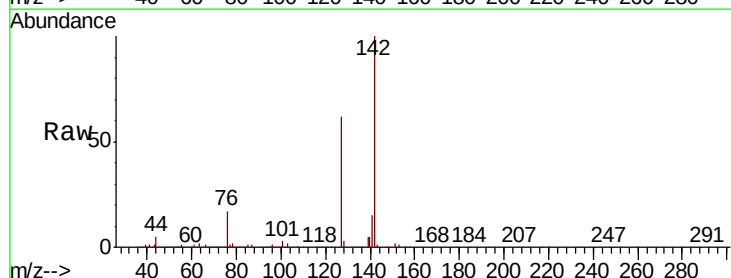
RT: 1.96 min Scan# 134

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Tgt Ion:	142	Resp:	763543
Ion Ratio	Lower	Upper	
142	100		
127	62.1	55.4	83.0
141	15.5	13.3	19.9

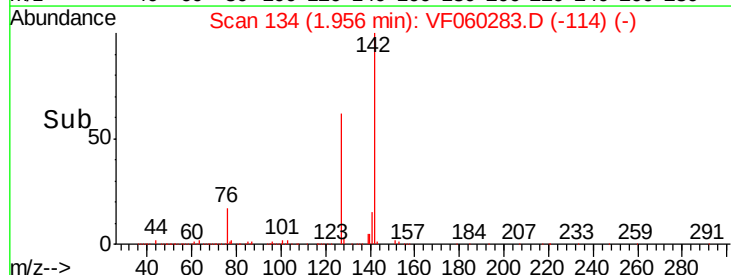
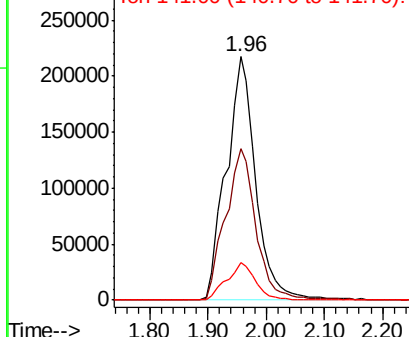


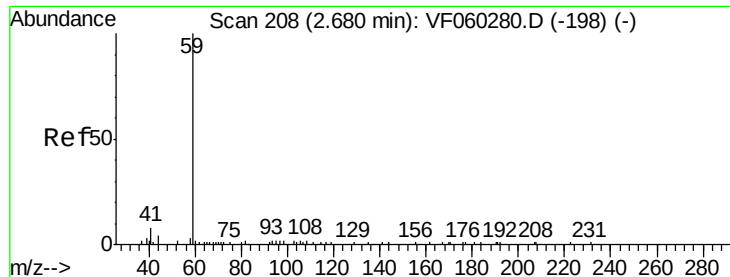
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#11

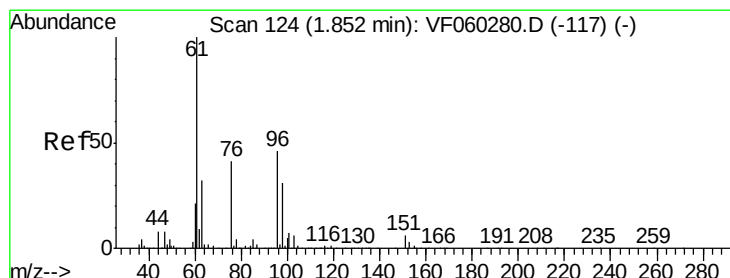
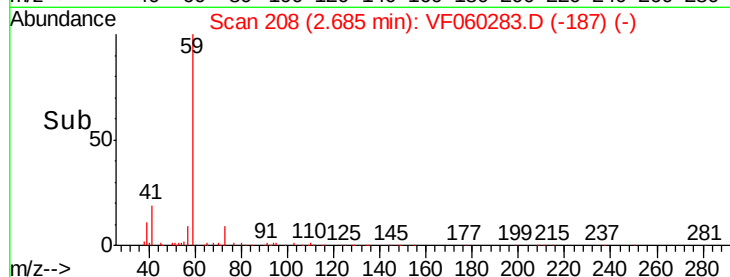
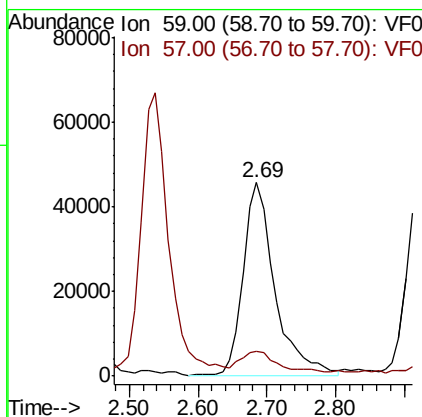
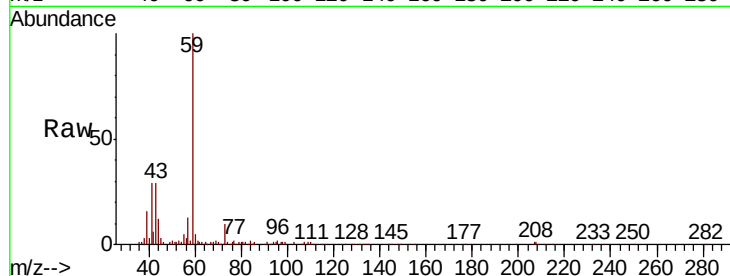
Tert butyl alcohol
Concen: 638.33 ug/l
RT: 2.69 min Scan# 208
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	59.00 (58.70 to 59.70): VF0	Resp	145222
Ion	Ratio	Lower	Upper
59	100		
57	12.8	12.4	18.6

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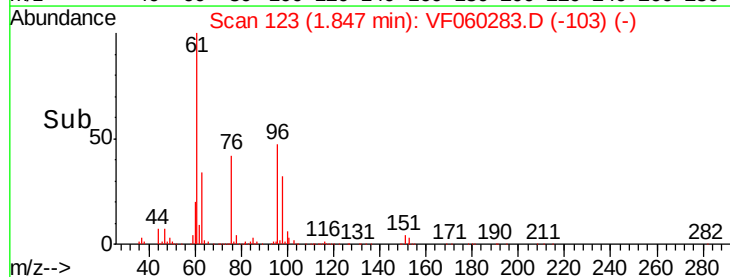
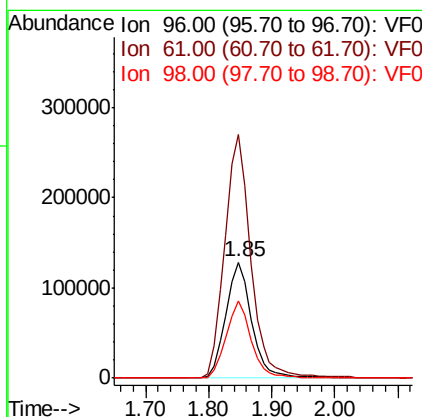
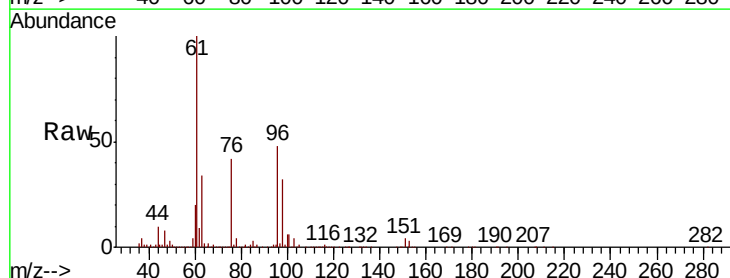
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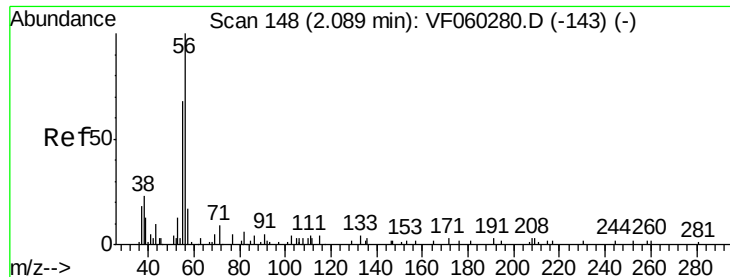


#12

1,1-Dichloroethene
Concen: 119.17 ug/l
RT: 1.85 min Scan# 123
Delta R.T. -0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion	96.00 (95.70 to 96.70): VF0	Resp	359439
Ion	Ratio	Lower	Upper
96	100		
61	210.3	172.2	258.2
98	66.6	54.1	81.1





#13

Acrolein

Concen: 455.75 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Tot Ion: 56 Resp: 50681

Ion Ratio Lower Upper

56 100

55 72.8 69.9 104.9

Instrument :

MSVOA_F

ClientSampleId :

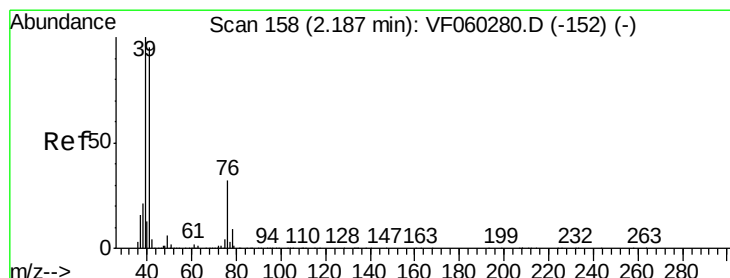
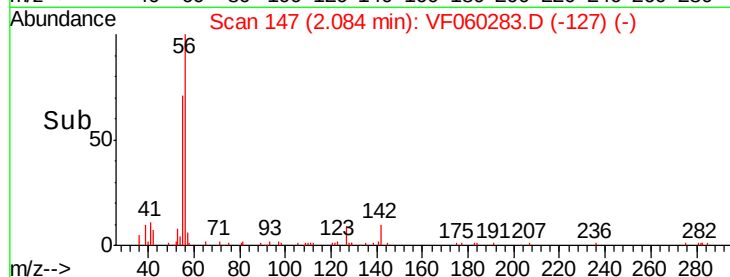
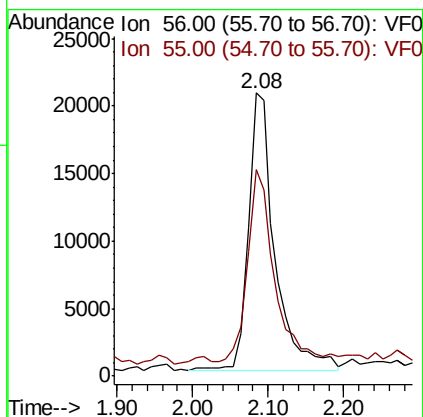
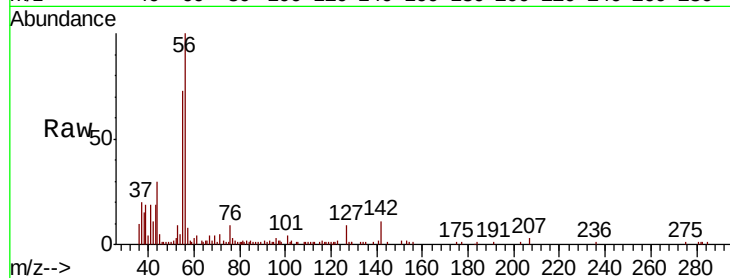
VSTDIC150

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#14

Allyl chloride

Concen: 128.29 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

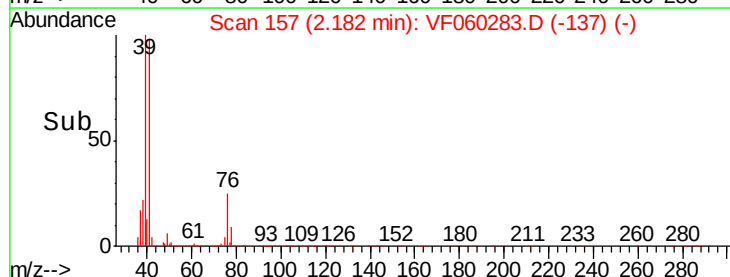
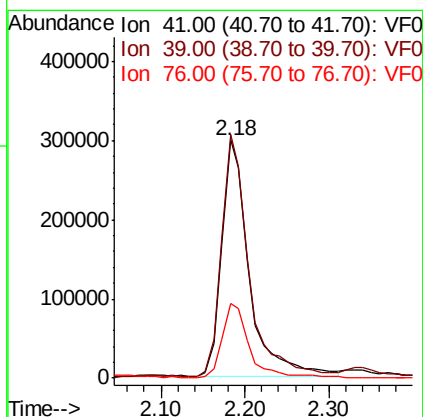
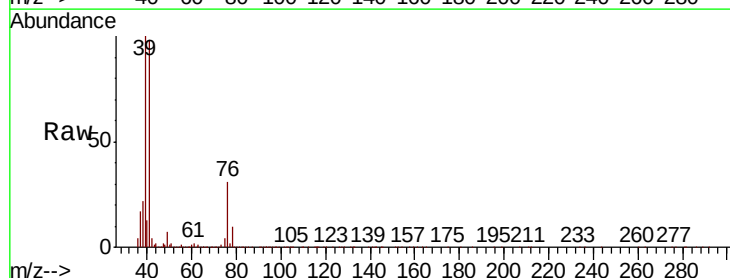
Tgt Ion: 41 Resp: 675241

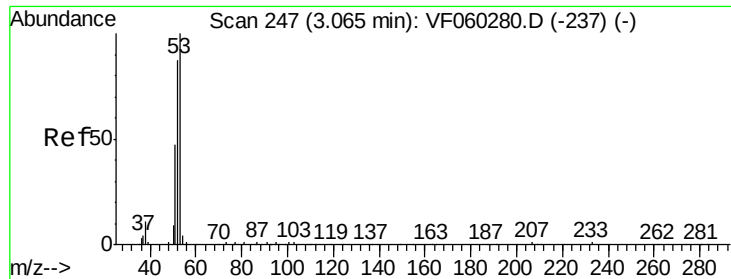
Ion Ratio Lower Upper

41 100

39 102.3 84.8 127.2

76 31.6 27.4 41.2





#15

Acrylonitrile

Concen: 652.30 ug/l

RT: 3.07 min Scan# 247

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

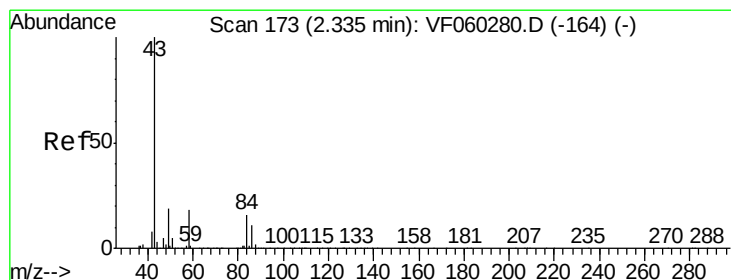
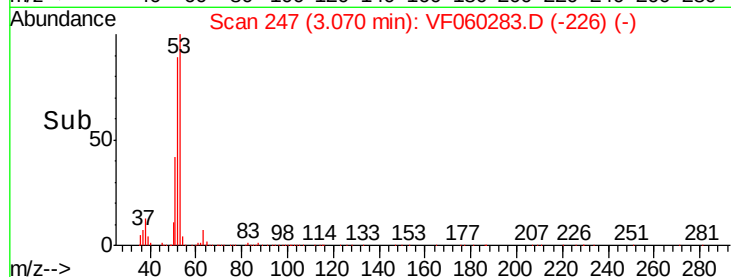
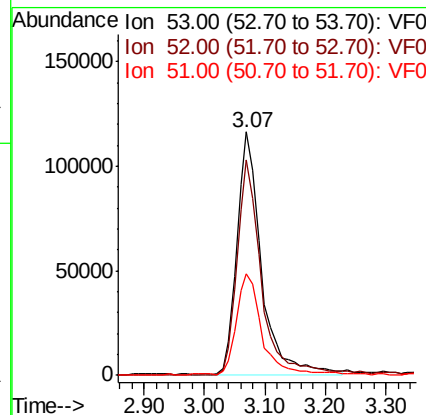
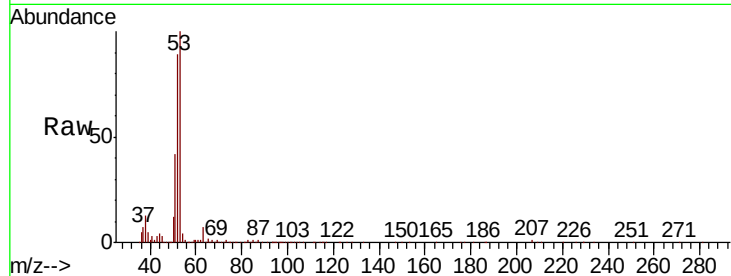
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	328793
Ion	Ratio	Lower	Upper
53	100		
52	88.6	69.5	104.3
51	41.7	38.1	57.1

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#16

Acetone

Concen: 617.98 ug/l

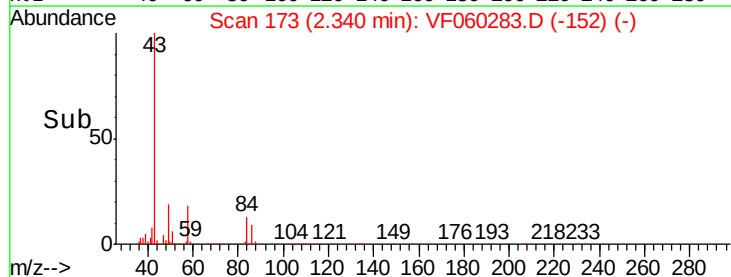
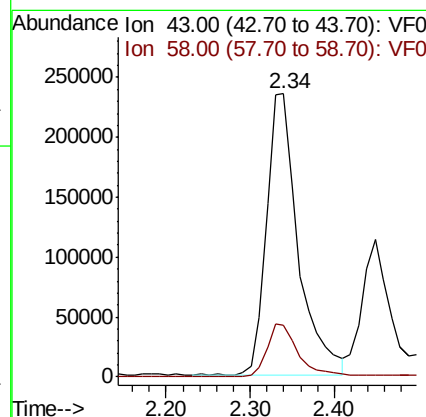
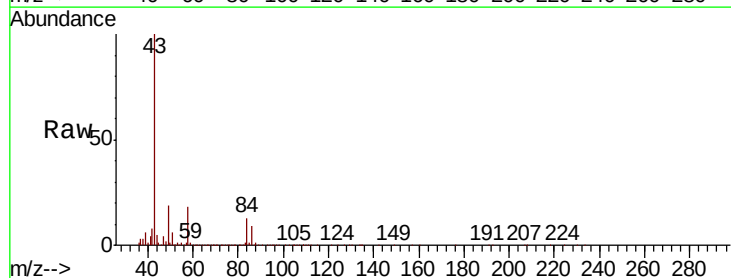
RT: 2.34 min Scan# 173

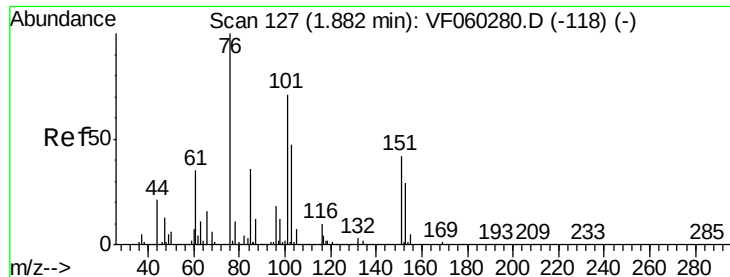
Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Tgt Ion:	43	Resp:	621122
Ion	Ratio	Lower	Upper
43	100		
58	18.2	14.5	21.7





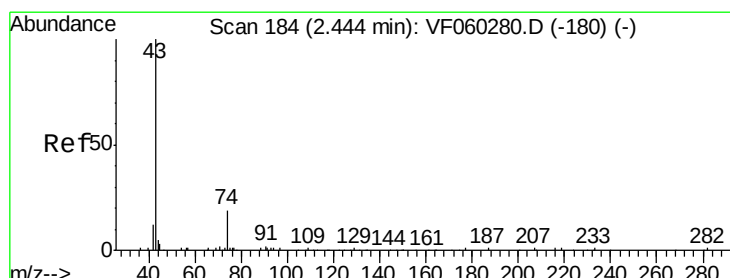
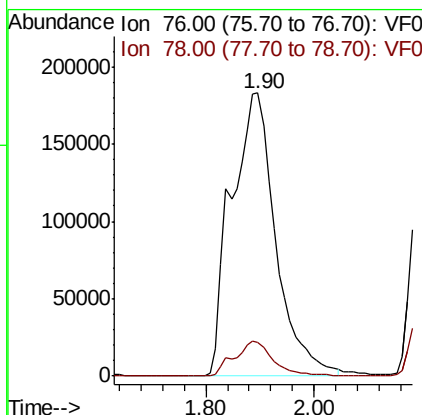
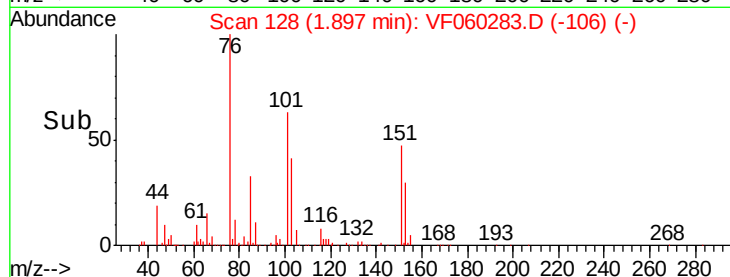
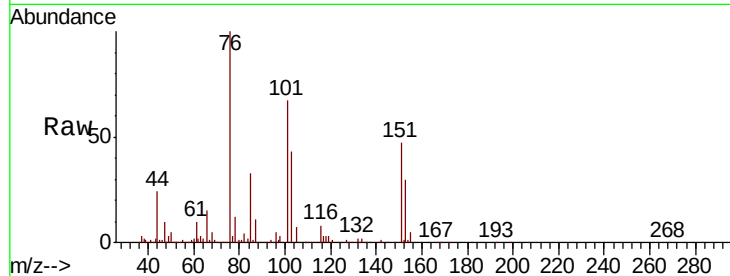
#17
Carbon Disulfide
Concen: 113.87 ug/l
RT: 1.90 min Scan# 128
Delta R.T. 0.01 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1036596
Ion Ratio Lower Upper
76 100
78 12.0 9.4 14.0

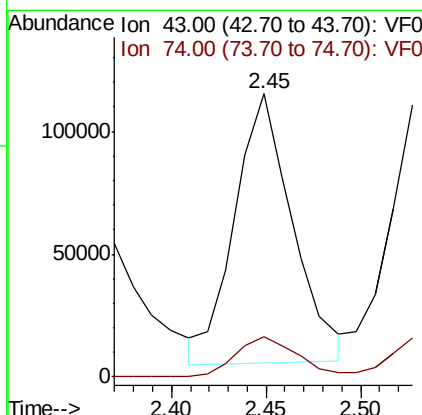
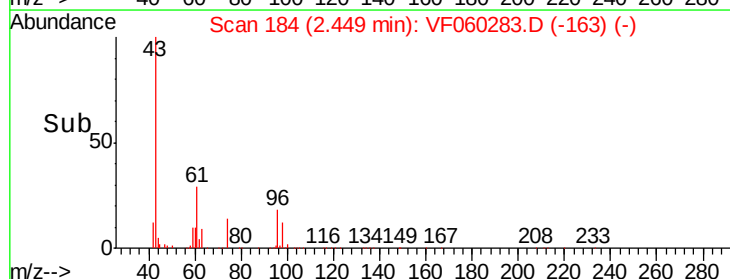
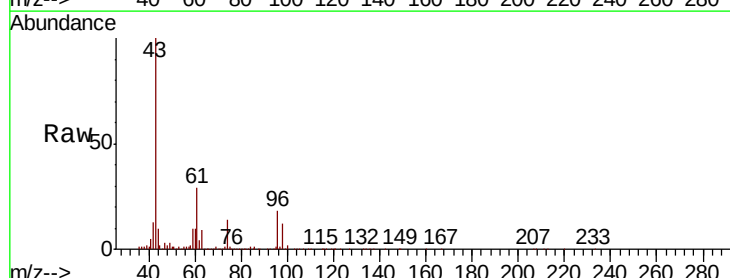
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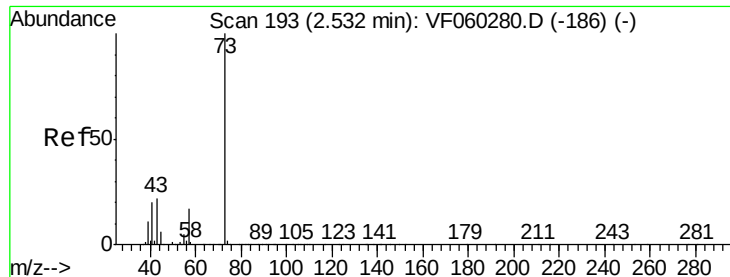
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#18
Methyl Acetate
Concen: 139.86 ug/l
RT: 2.45 min Scan# 184
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion: 43 Resp: 234175
Ion Ratio Lower Upper
43 100
74 14.3 12.7 19.1





#19

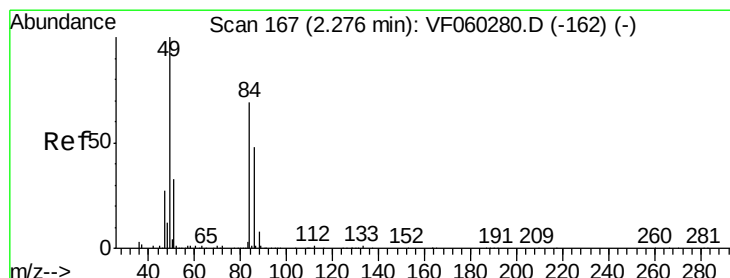
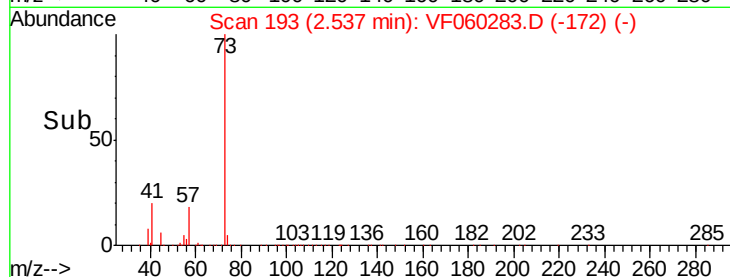
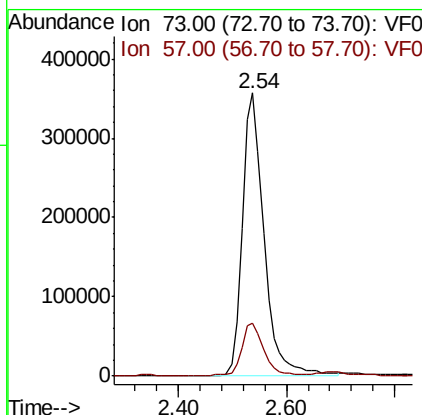
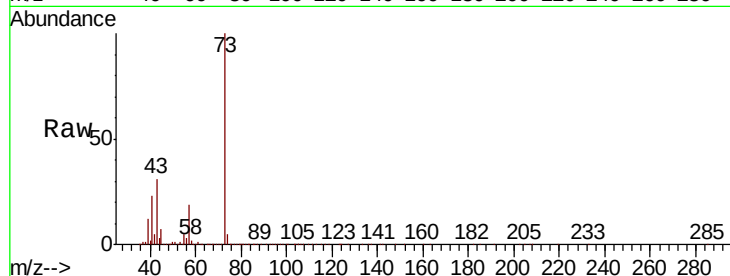
Methyl tert-butyl Ether
 Concen: 132.20 ug/l
 RT: 2.54 min Scan# 193
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.7	14.5	21.7

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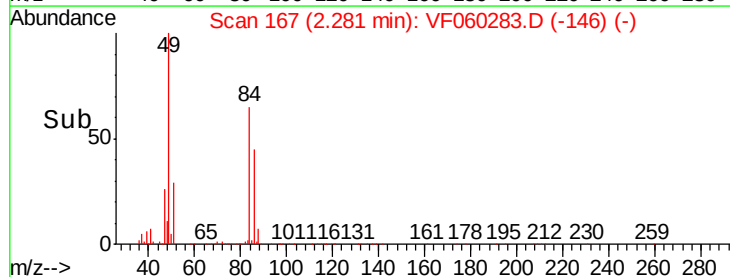
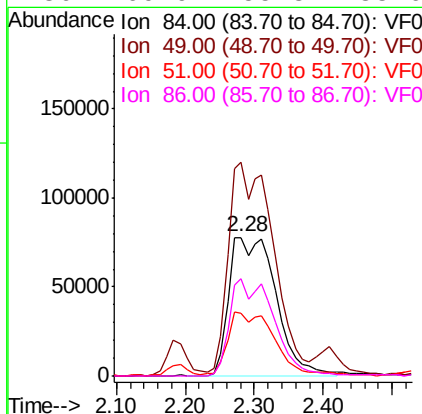
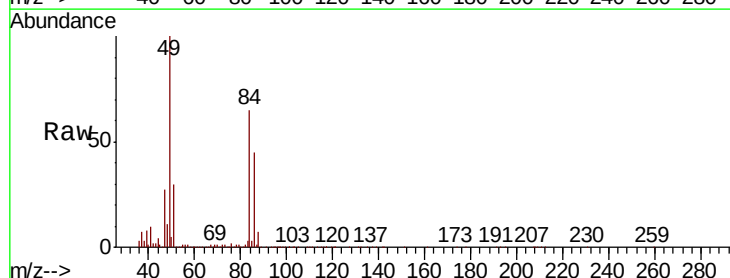
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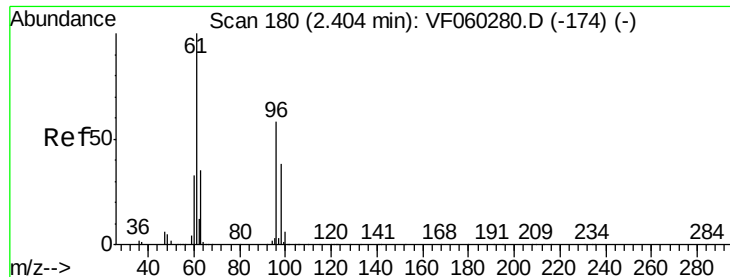


#20

Methylene Chloride
 Concen: 103.62 ug/l m
 RT: 2.28 min Scan# 167
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.3	118.3	177.5
51	45.5	38.7	58.1
86	69.9	55.8	83.6





#21

trans-1,2-Dichloroethene

Concen: 126.86 ug/l

RT: 2.41 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

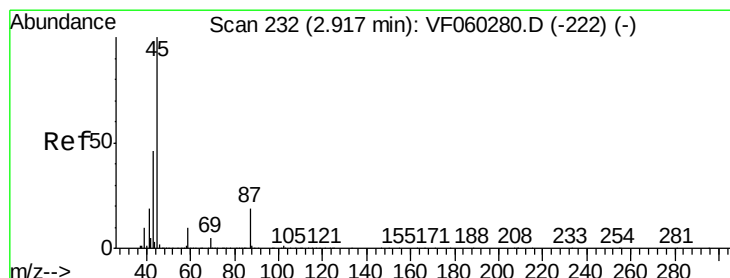
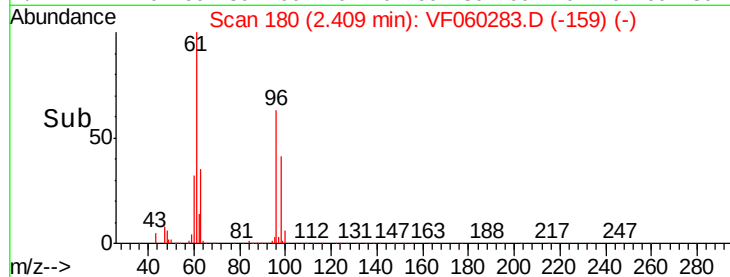
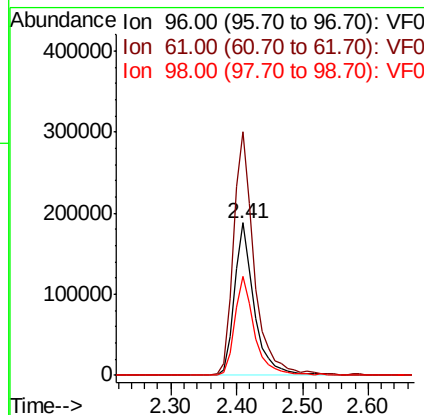
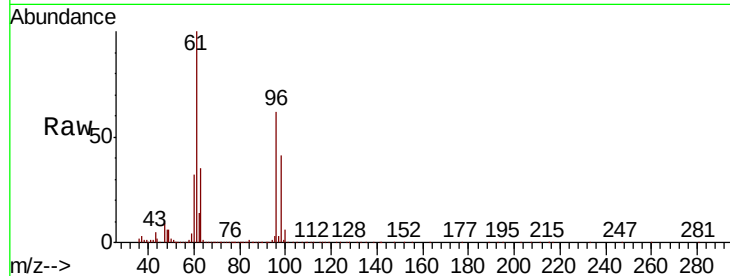
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	395182
Ion Ratio	Lower	Upper	
96	100		
61	160.1	136.4	204.6
98	64.8	51.8	77.6

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#22

Diisopropyl ether

Concen: 128.43 ug/l

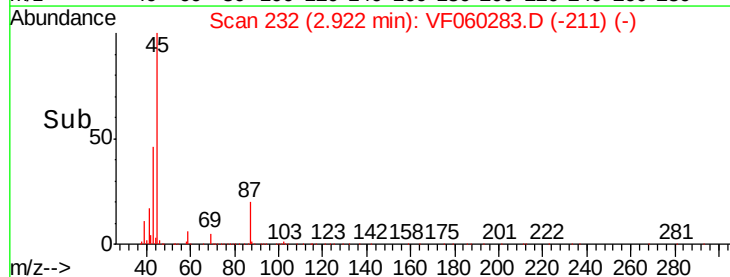
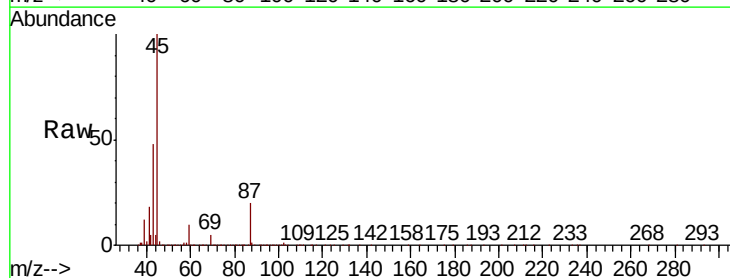
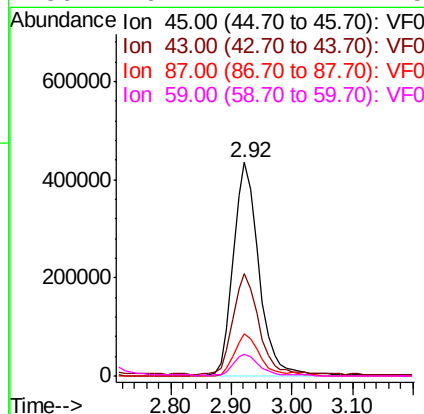
RT: 2.92 min Scan# 232

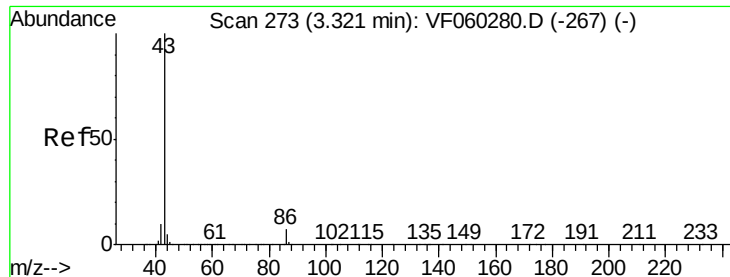
Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Tgt Ion:	45	Resp:	1275344
Ion Ratio	Lower	Upper	
45	100		
43	47.8	38.2	57.2
87	19.8	15.5	23.3
59	10.2	7.7	11.5





#23

Vinyl Acetate

Concen: 667.27 ug/l

RT: 3.33 min Scan# 273

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2602495

Ion Ratio Lower Upper

43 100

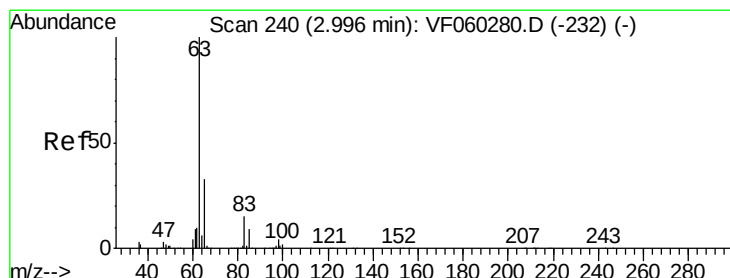
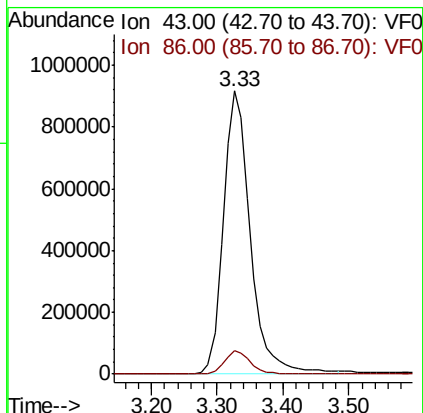
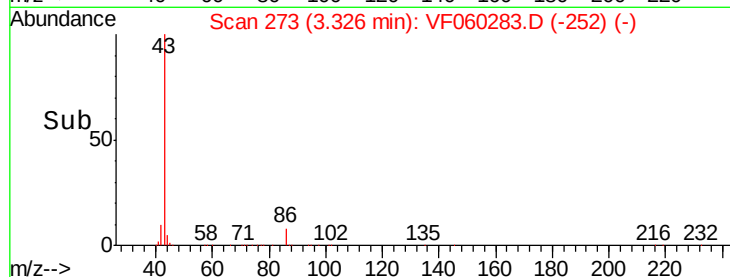
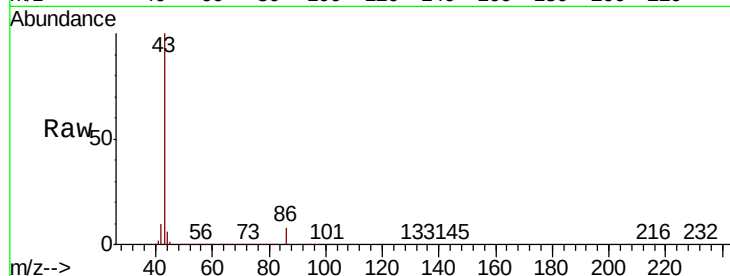
86 8.2 5.9 8.9

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#24

1,1-Dichloroethane

Concen: 126.24 ug/l

RT: 3.00 min Scan# 240

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

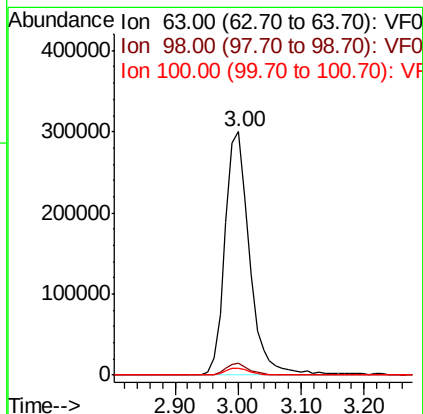
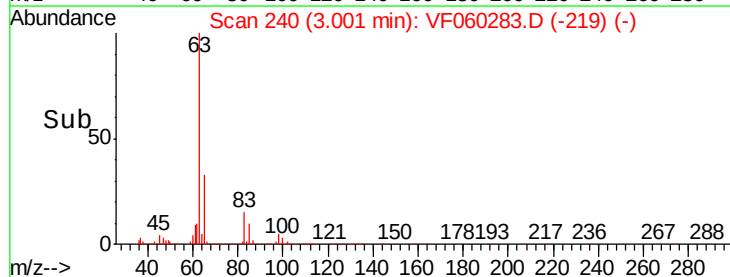
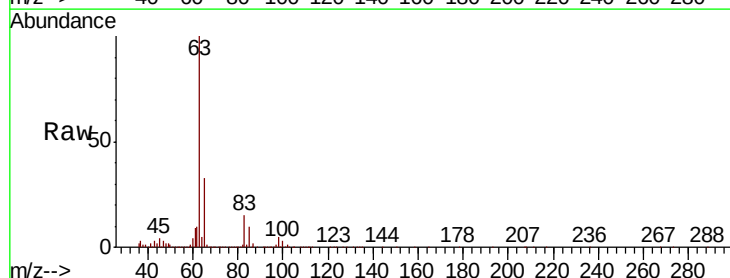
Tgt Ion: 63 Resp: 813043

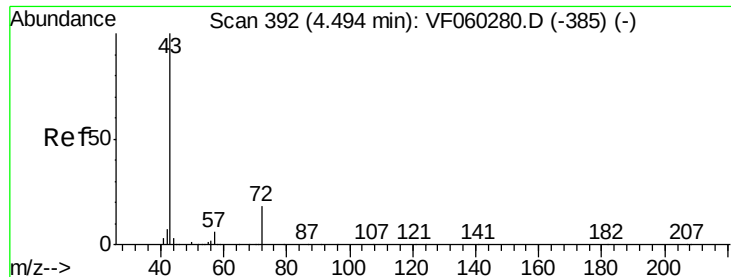
Ion Ratio Lower Upper

63 100

98 5.0 2.1 6.5

100 3.0 1.1 3.3





#25

2-Butanone

Concen: 677.92 ug/l

RT: 4.50 min Scan# 392

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 917108

Ion Ratio Lower Upper

43 100

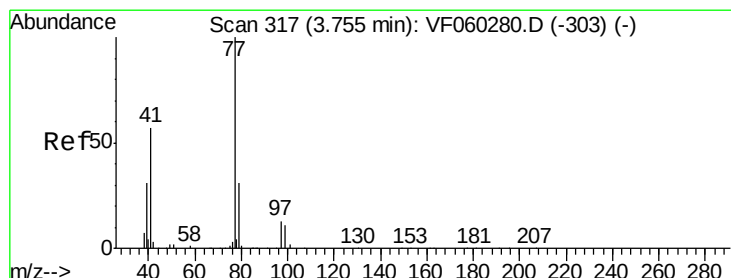
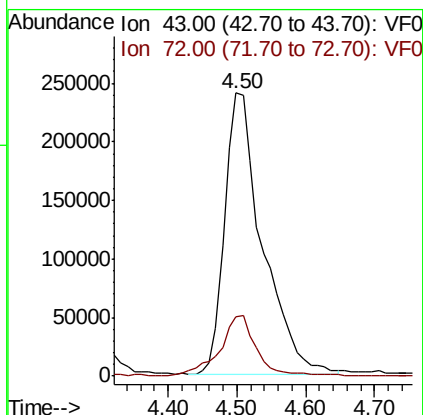
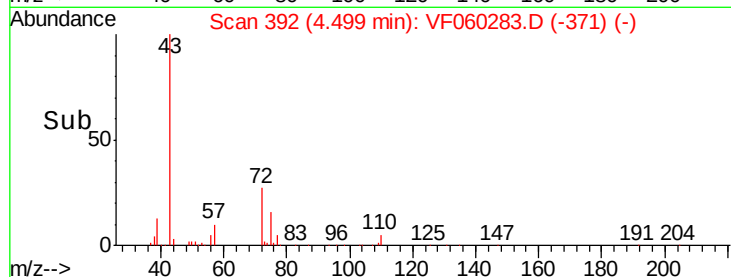
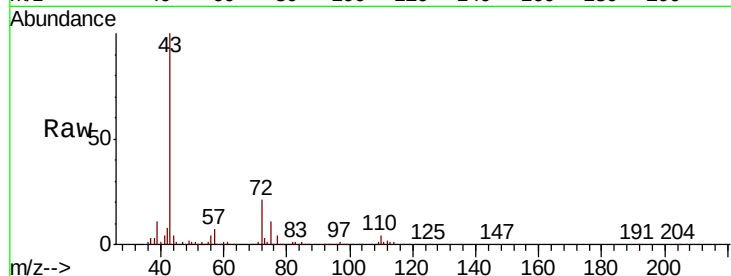
72 20.8 16.2 24.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 123.90 ug/l

RT: 3.76 min Scan# 317

Delta R.T. 0.00 min

Lab File: VF060283.D

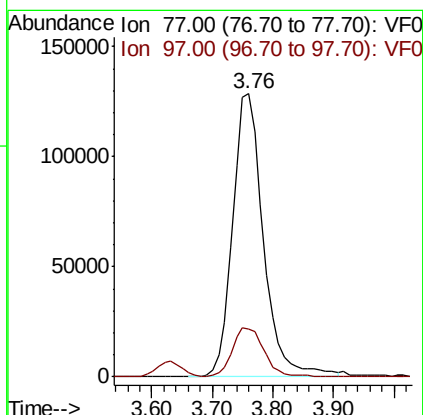
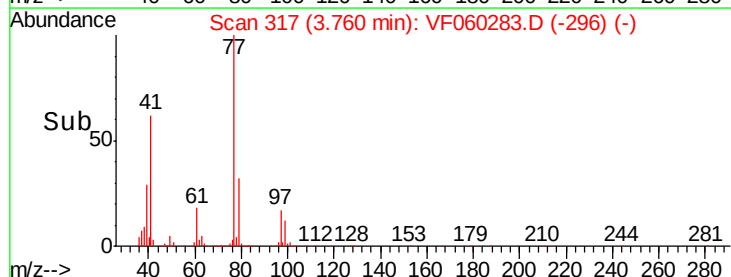
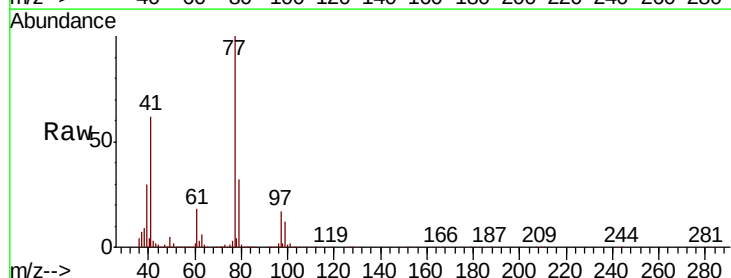
Acq: 19 Sep 2018 15:38

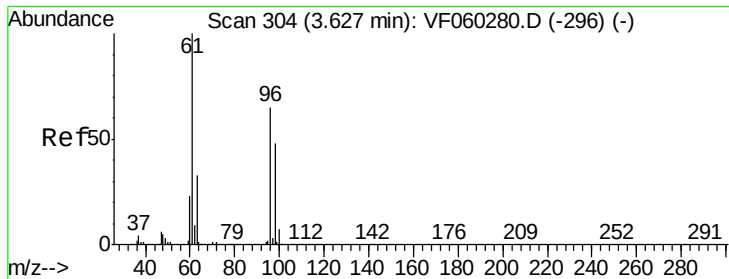
Tgt Ion: 77 Resp: 455308

Ion Ratio Lower Upper

77 100

97 17.0 9.3 27.9





#27

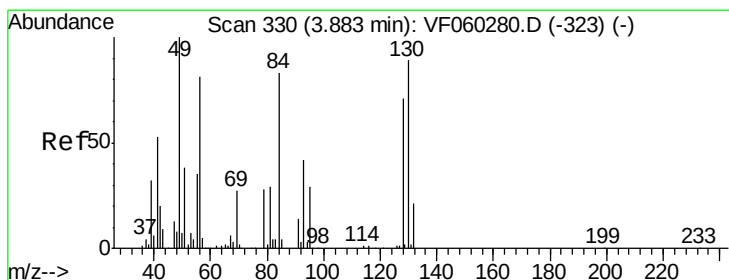
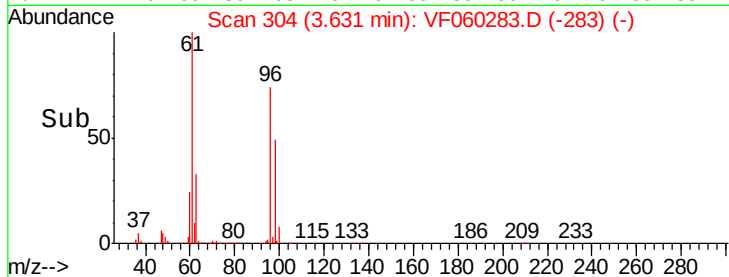
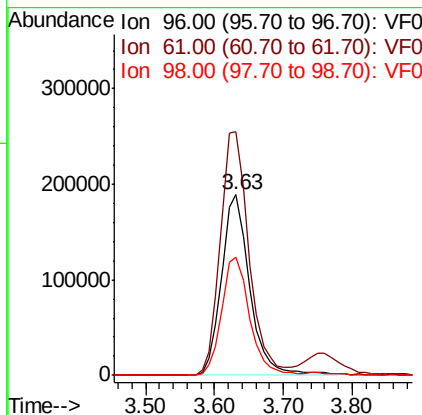
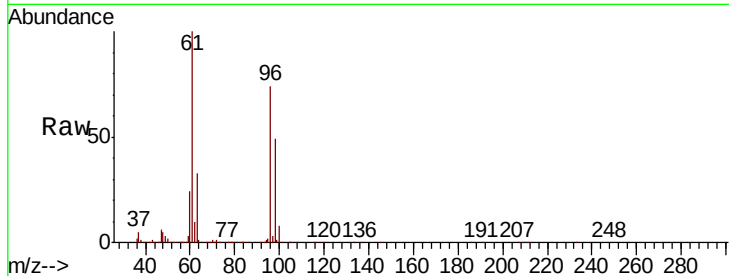
cis-1,2-Dichloroethene
Concen: 132.18 ug/l
RT: 3.63 min Scan# 304
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	540945		
61	134.7		0.0	304.8
98	65.5		0.0	146.4

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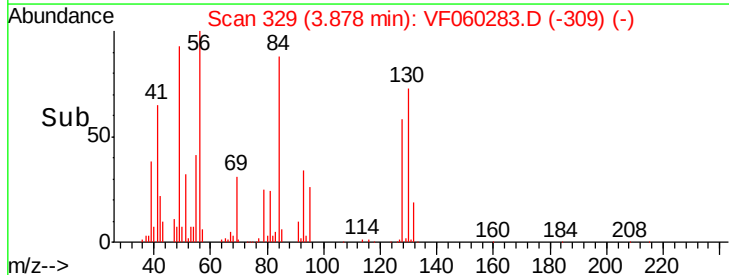
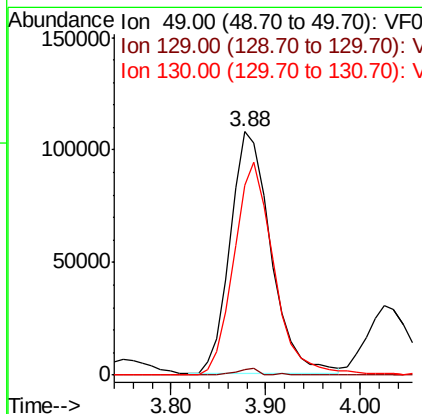
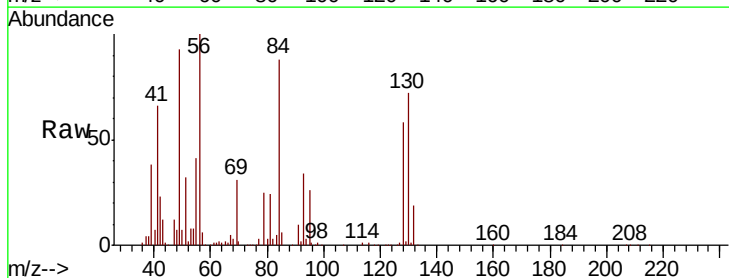
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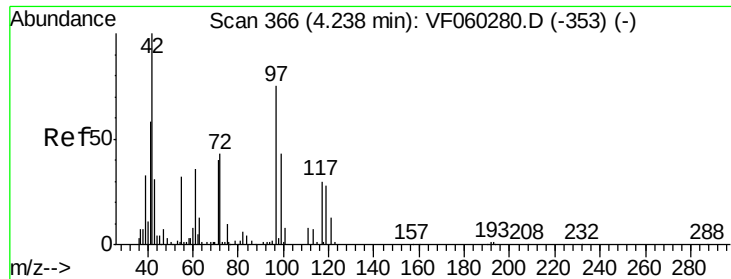


#28

Bromochloromethane
Concen: 128.27 ug/l
RT: 3.88 min Scan# 329
Delta R.T. -0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	321640		
129	2.4		0.0	4.2
130	77.8		70.3	105.5





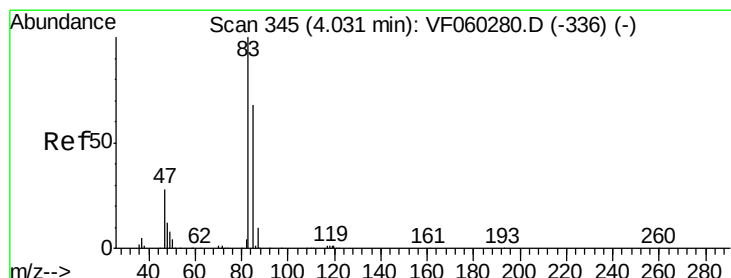
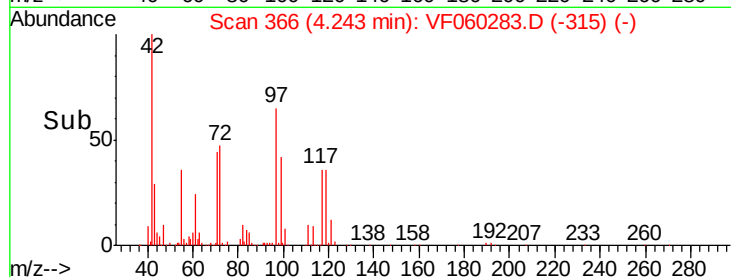
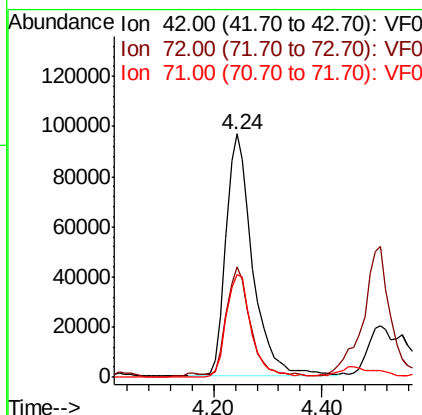
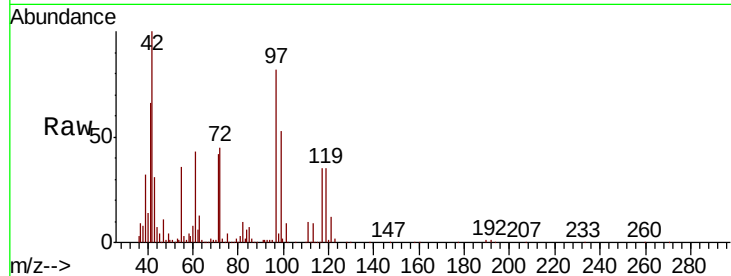
#29
Tetrahydrofuran
Concen: 660.47 ug/l
RT: 4.24 min Scan# 366
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	32.6	49.0
71	41.0	32.7	49.1

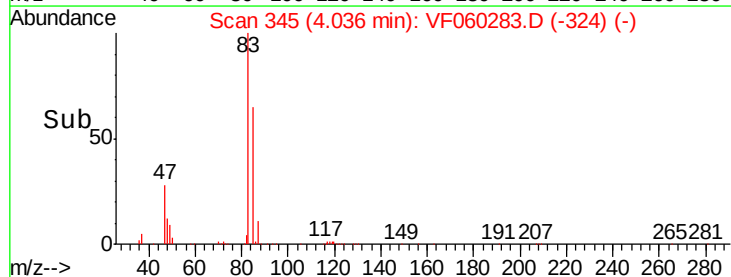
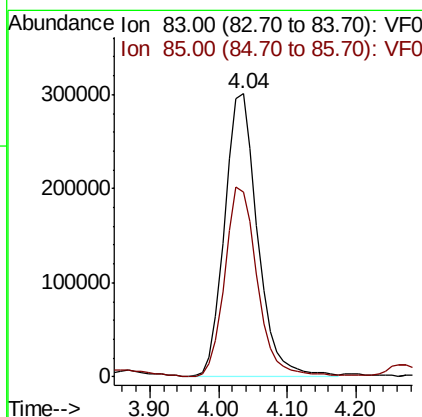
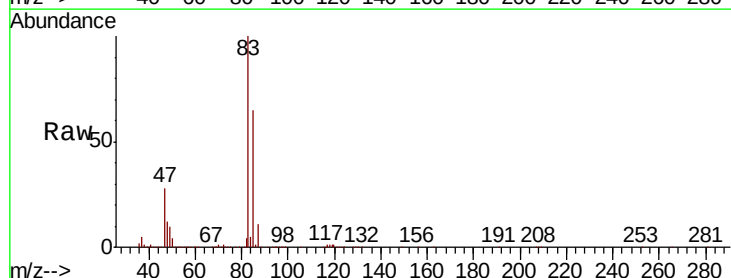
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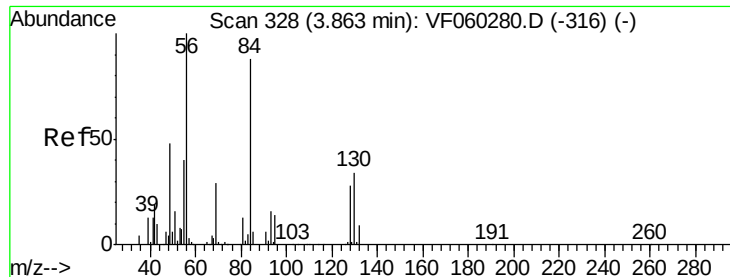
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#30
Chloroform
Concen: 127.91 ug/l
RT: 4.04 min Scan# 345
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	54.9	82.3





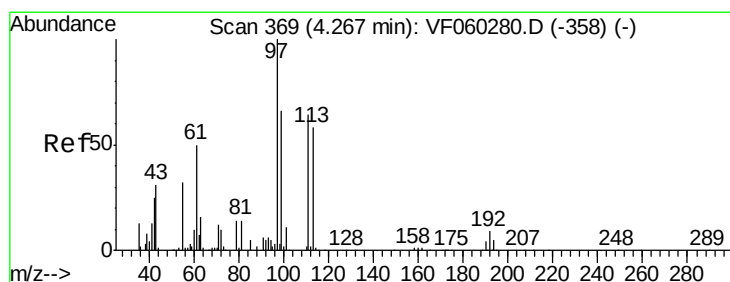
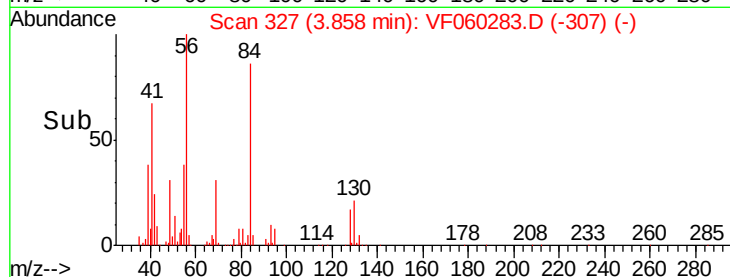
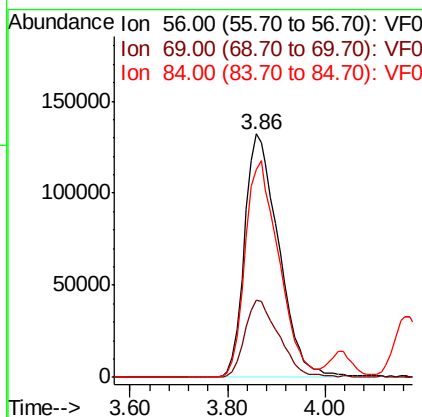
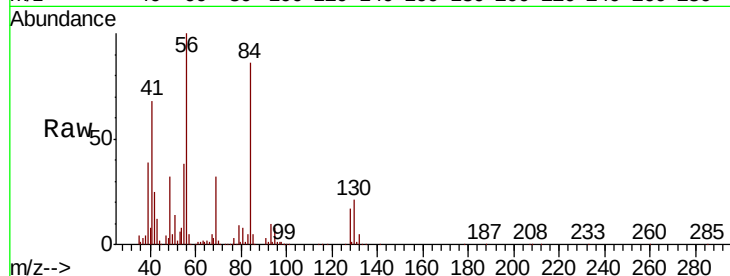
#31
Cyclohexane
Concen: 118.09 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	23.8	35.6
84	85.5	70.2	105.4

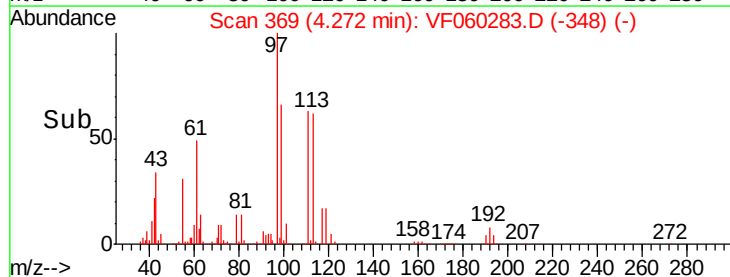
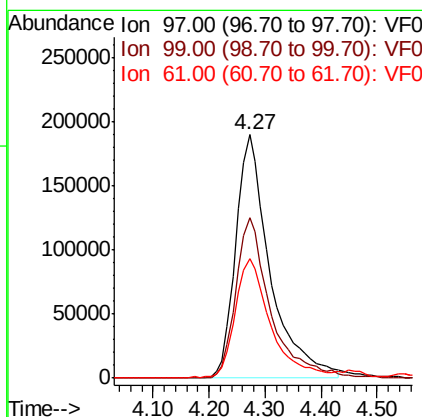
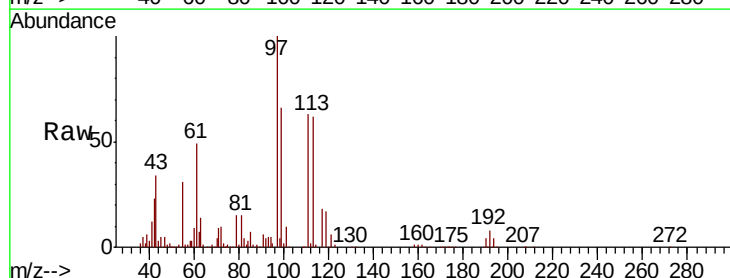
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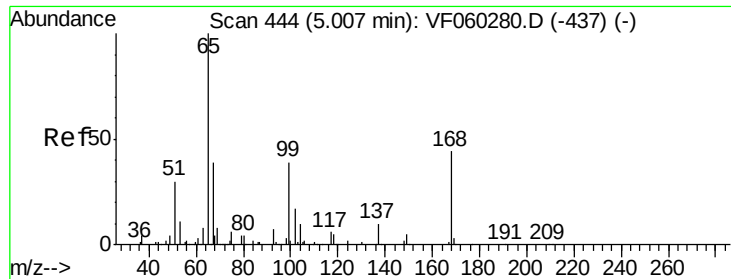
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#32
1,1,1-Trichloroethane
Concen: 131.76 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	53.0	79.4
61	49.1	40.6	61.0





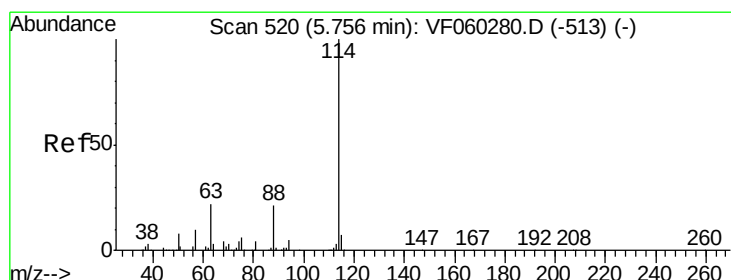
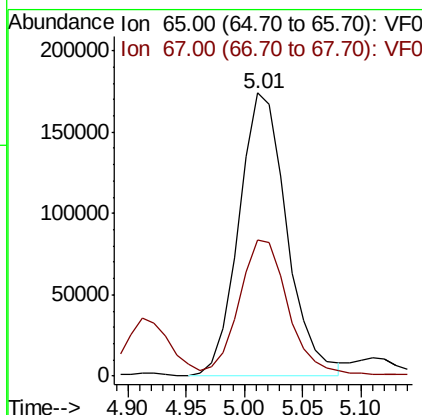
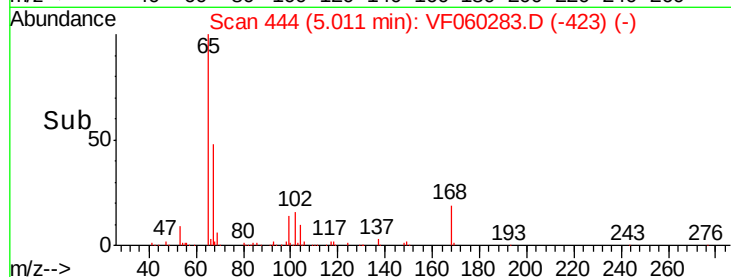
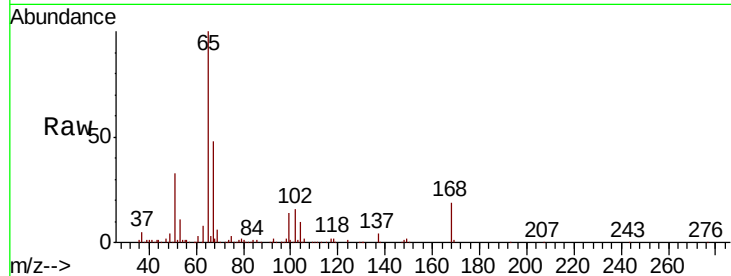
#33
 1,2-Dichloroethane-d4
 Concen: 138.48 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	494225		
67	48.3	0.0	94.4	

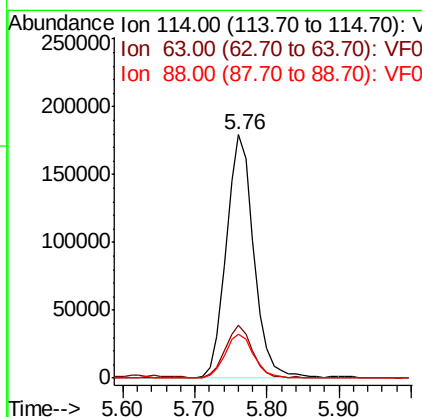
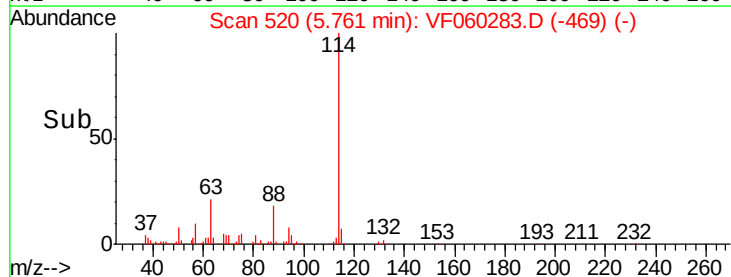
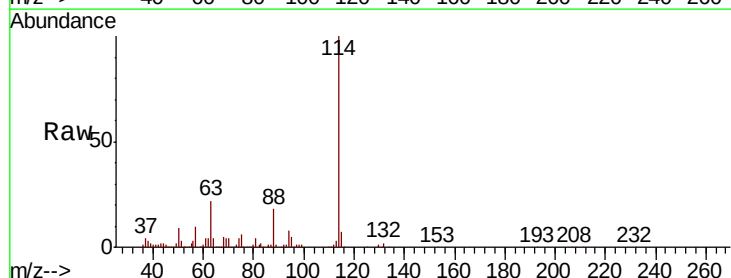
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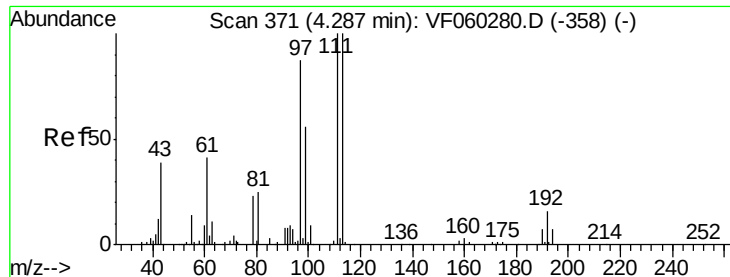
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	476921		
63	21.6	0.0	43.8	
88	18.1	0.0	41.2	





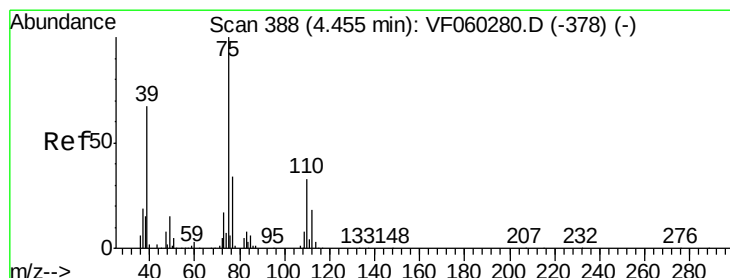
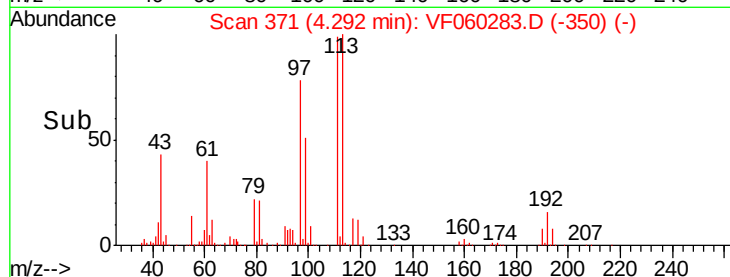
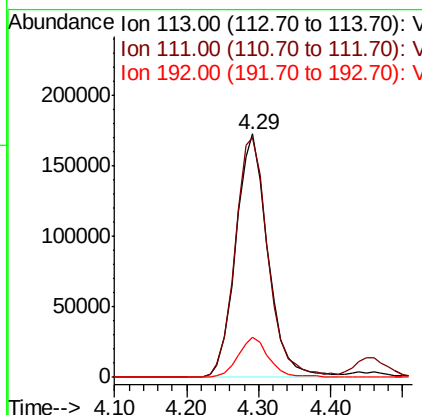
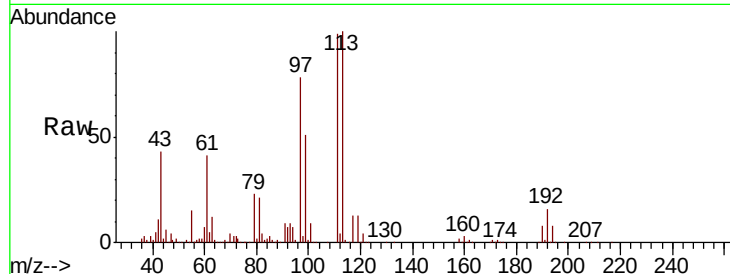
#35
Dibromofluoromethane
Concen: 126.06 ug/l
RT: 4.29 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	535940		
111	98.6	79.6	119.4	
192	16.3	13.0	19.6	

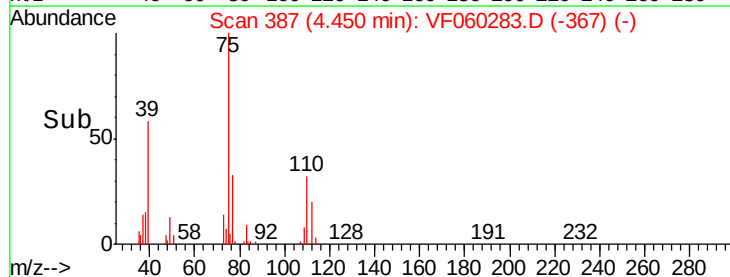
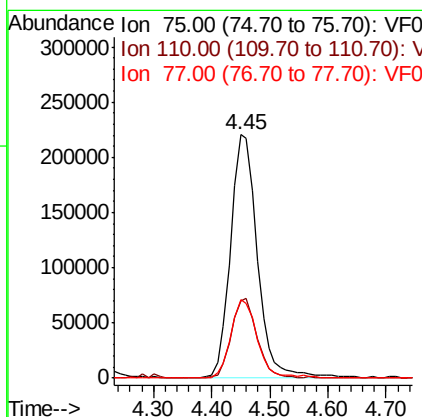
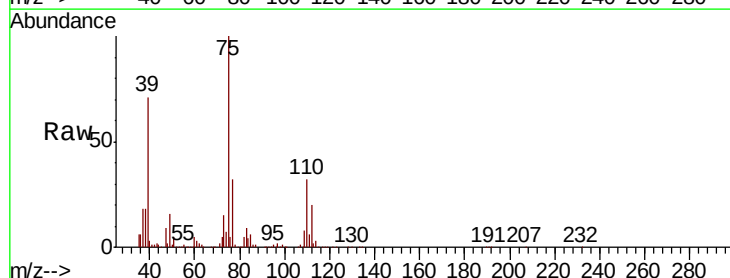
Manual Integrations
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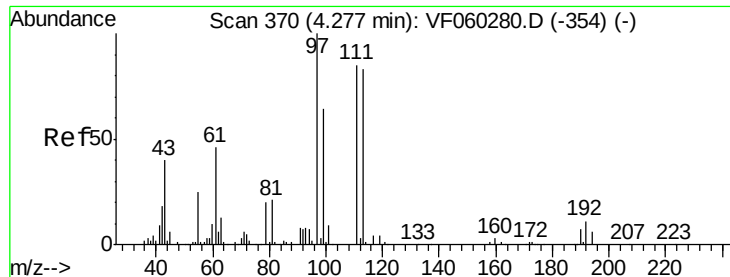
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#36
1,1-Dichloropropene
Concen: 118.11 ug/l
RT: 4.45 min Scan# 387
Delta R.T. -0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	702636		
110	31.8	16.4	49.2	
77	32.4	27.3	40.9	





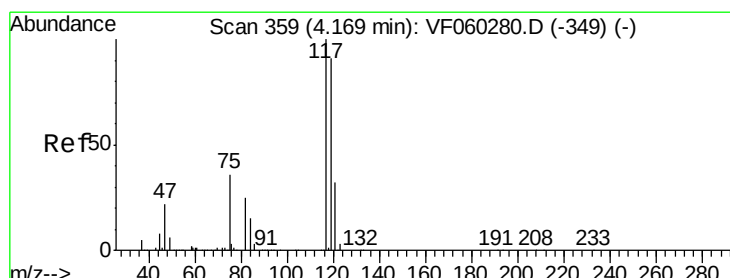
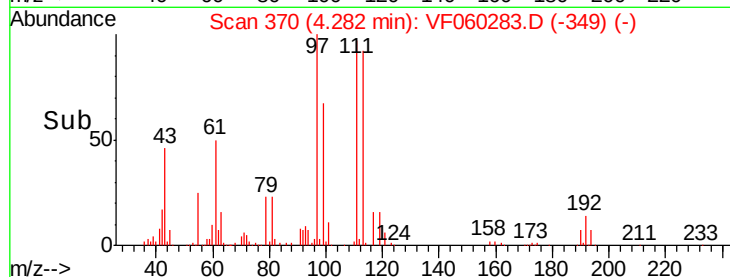
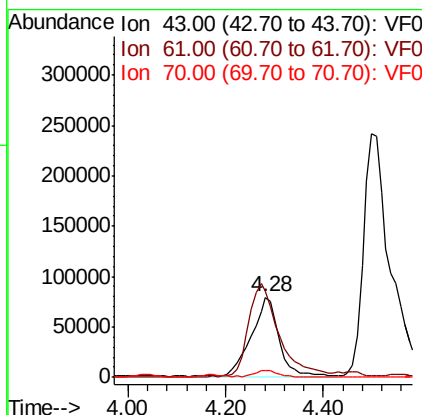
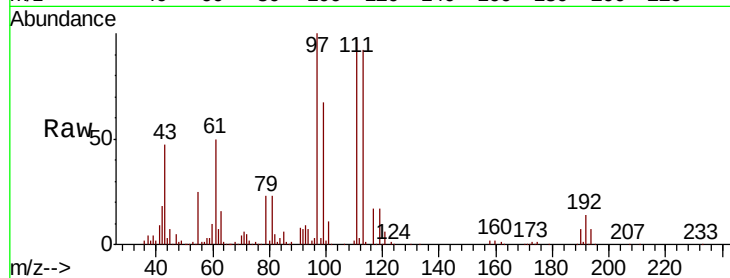
#37
Ethyl Acetate
Concen: 123.50 ug/l
RT: 4.28 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	107.3	91.1	136.7
70	8.9	6.9	10.3

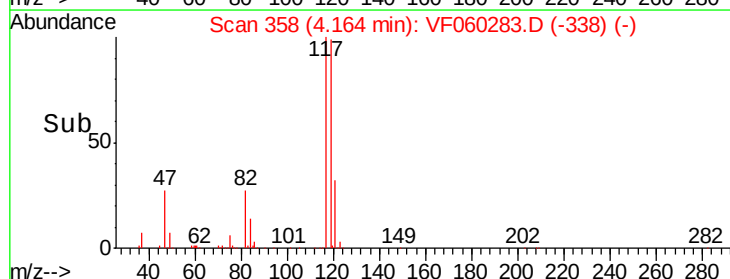
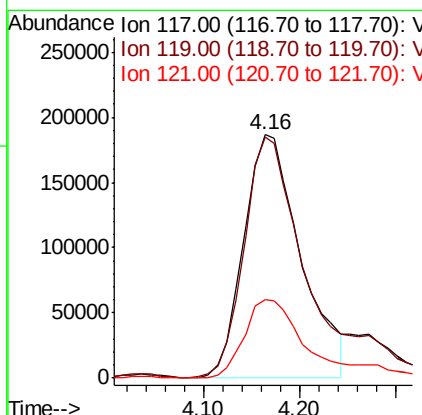
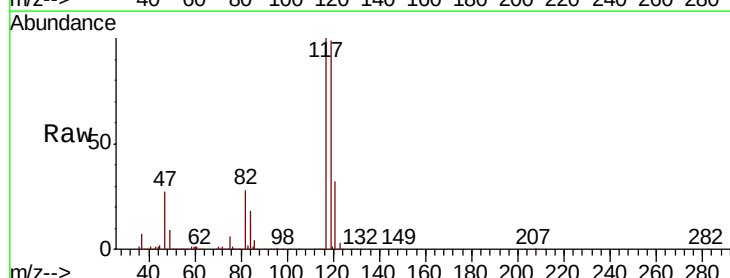
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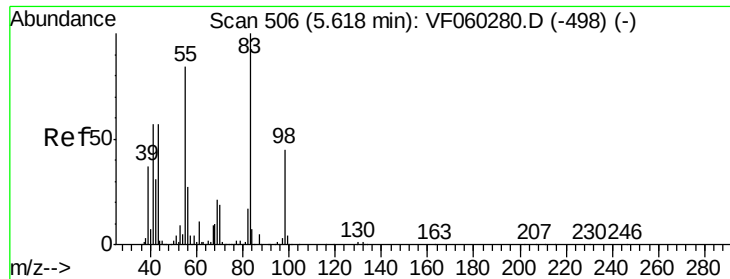
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#38
Carbon Tetrachloride
Concen: 113.83 ug/l m
RT: 4.16 min Scan# 358
Delta R.T. -0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	73.0	109.6
121	32.1	25.4	38.2





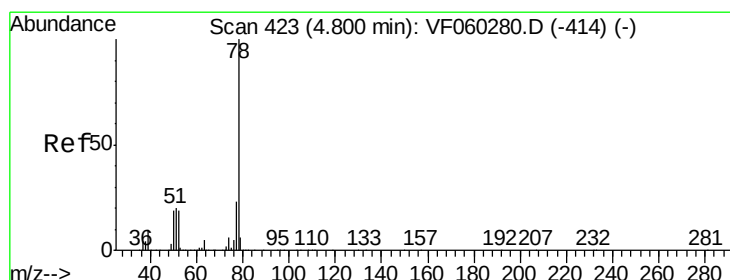
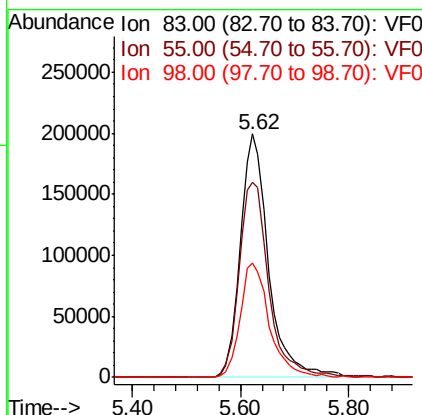
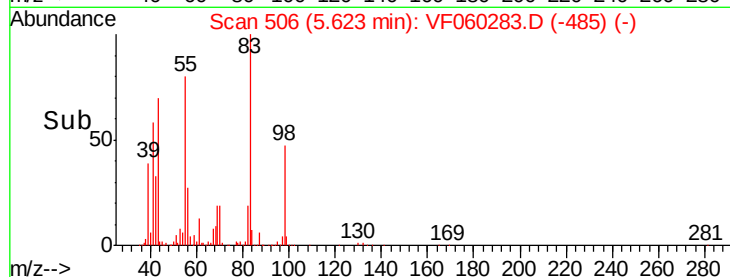
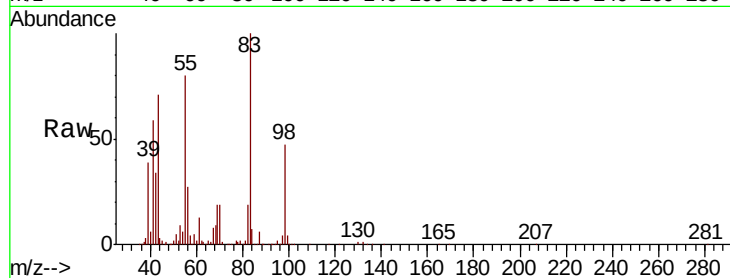
#39
Methylvlcyclohexane
Concen: 111.88 ug/l
RT: 5.62 min Scan# 506
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.3	67.3	100.9
98	47.0	36.1	54.1

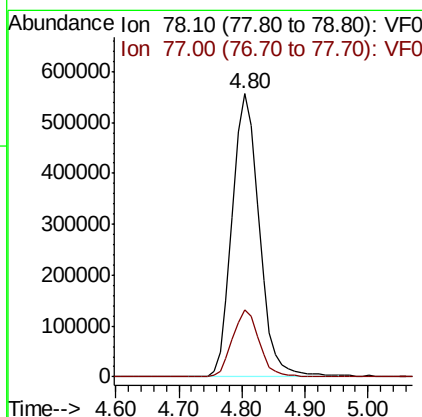
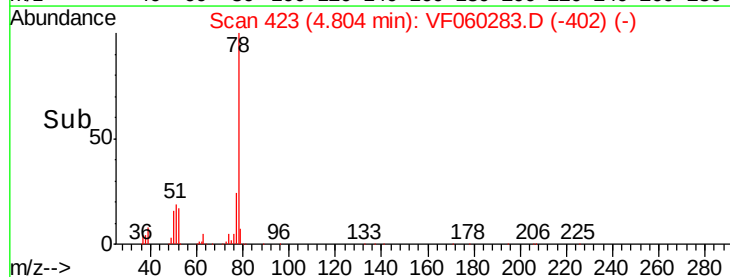
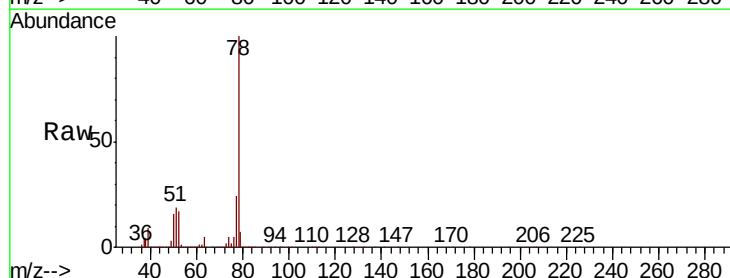
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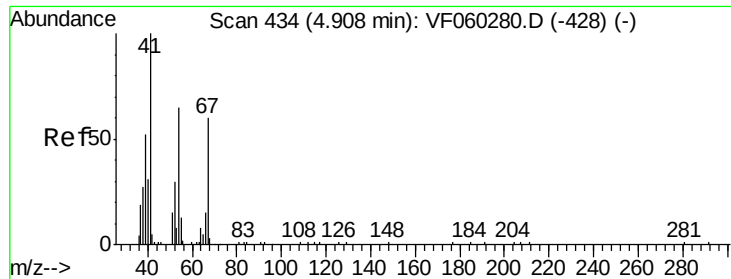
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#40
Benzene
Concen: 123.03 ug/l
RT: 4.80 min Scan# 423
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.4	27.6





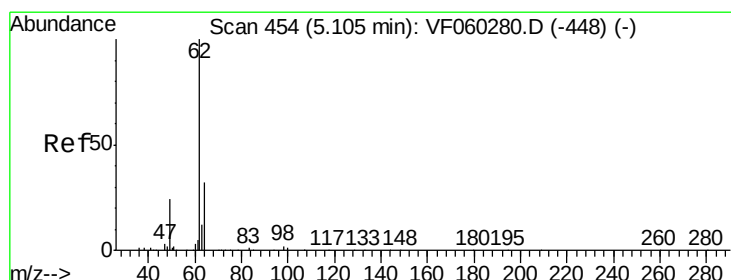
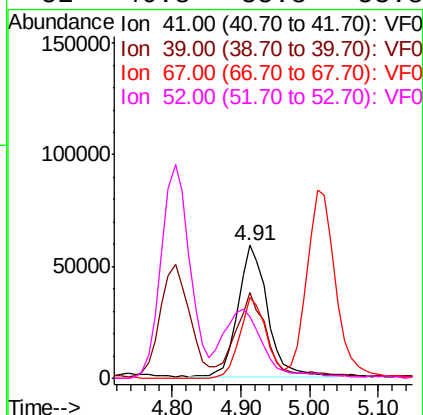
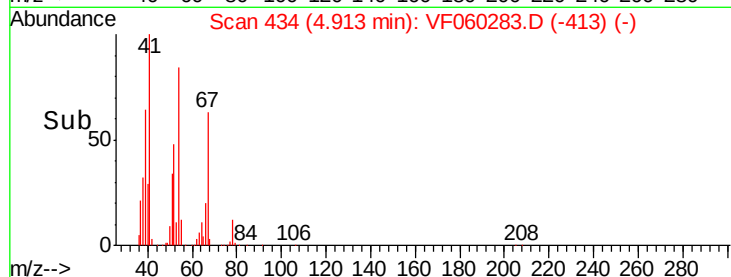
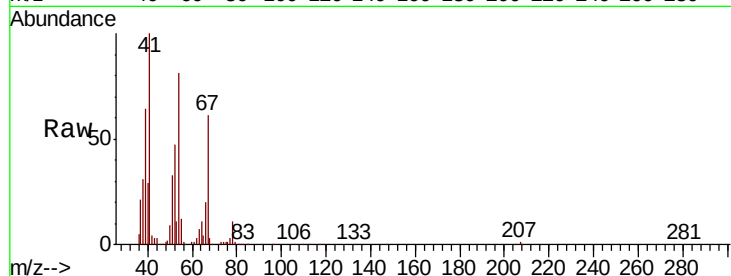
#41
Methacrylonitrile
Concen: 126.56 ug/l
RT: 4.91 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.3	49.1	73.7
67	60.8	48.2	72.4
52	46.8	35.8	53.8

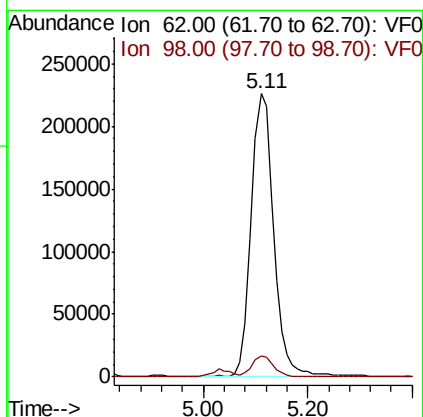
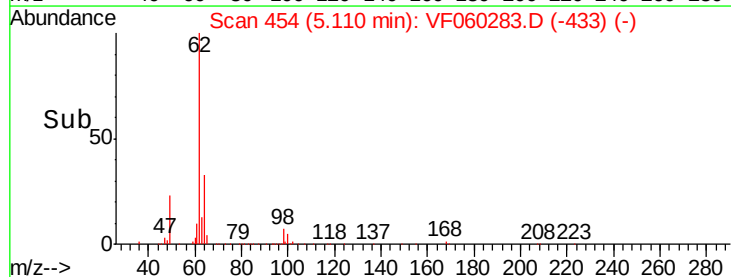
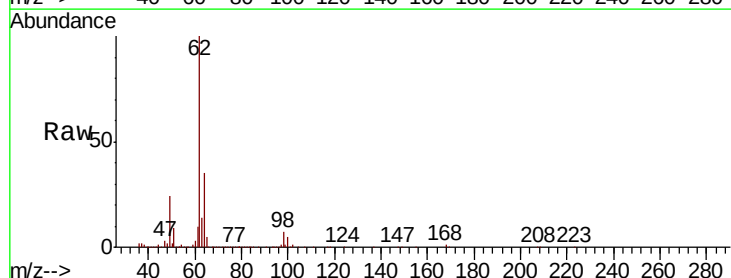
Manual Integrations
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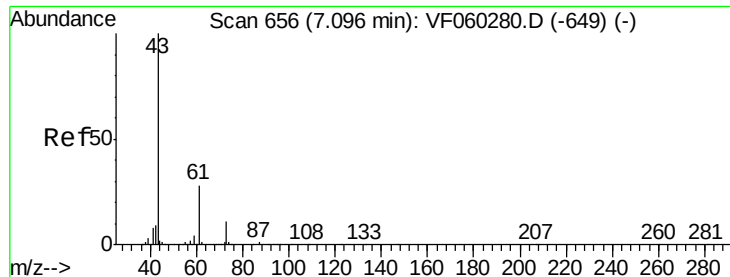
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#42
1,2-Dichloroethane
Concen: 132.54 ug/l
RT: 5.11 min Scan# 454
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	14.4





#43

Isopropyl Acetate

Concen: 138.07 ug/l

RT: 7.10 min Scan# 656

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

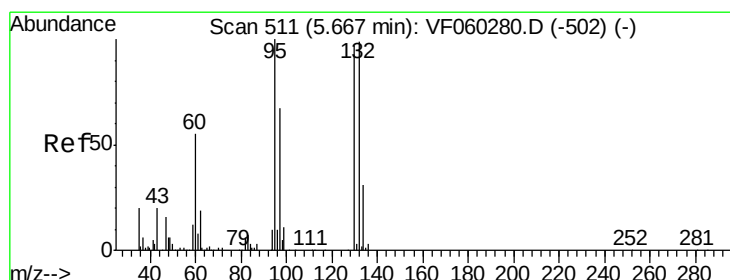
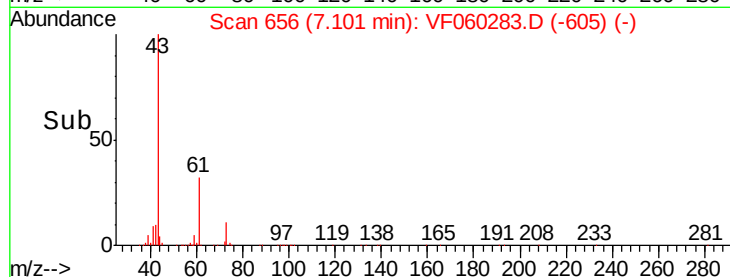
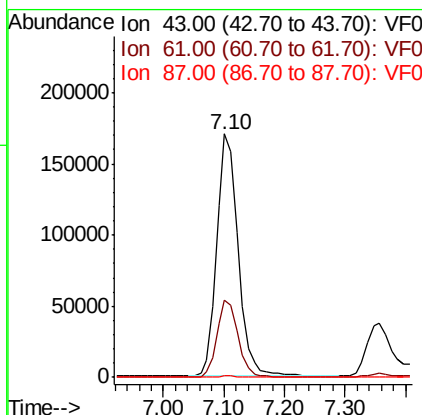
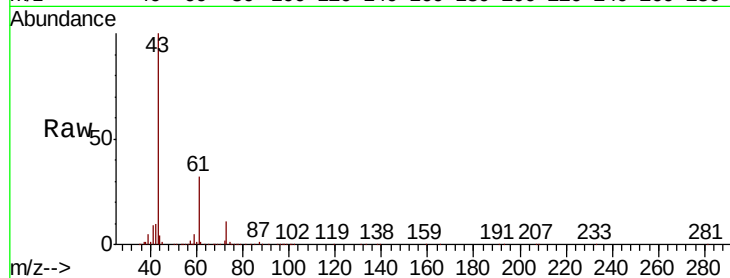
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	418404
Ion	Ratio	Lower	Upper
43	100		
61	31.9	22.4	33.6
87	0.6	0.6	0.8

Manual Integrations
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#44

Trichloroethene

Concen: 119.66 ug/l

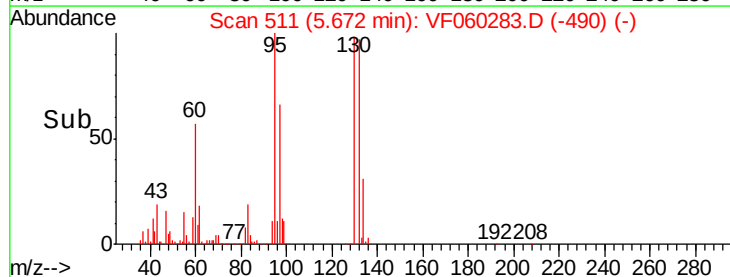
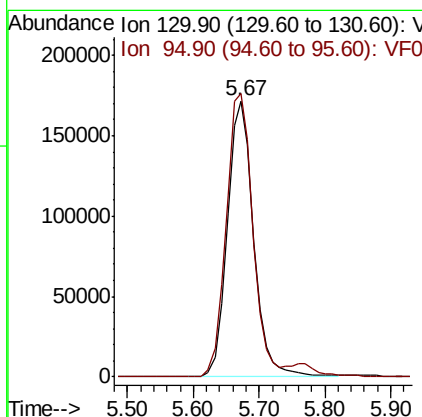
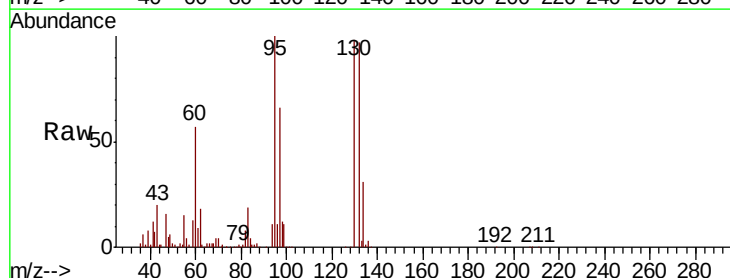
RT: 5.67 min Scan# 511

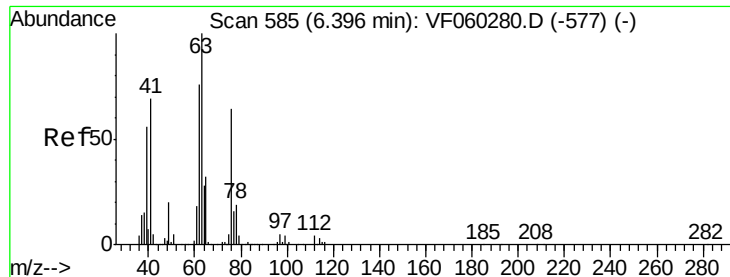
Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Tgt Ion:	130	Resp:	480390
Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	205.6





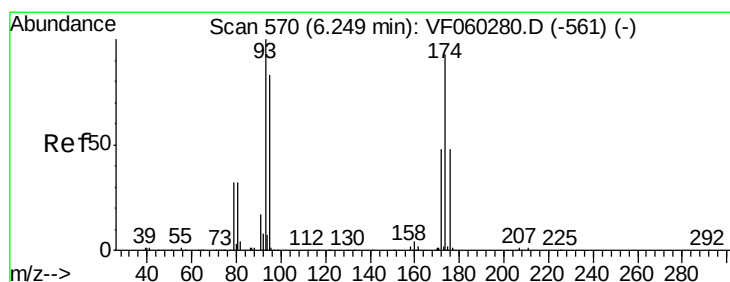
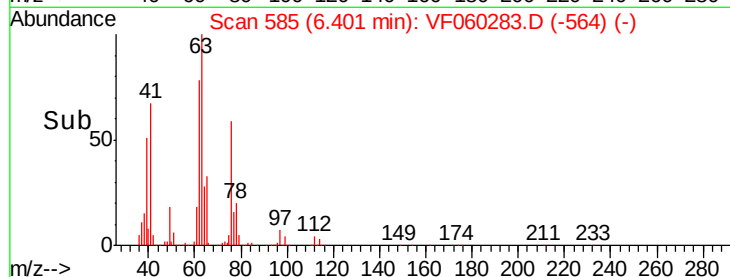
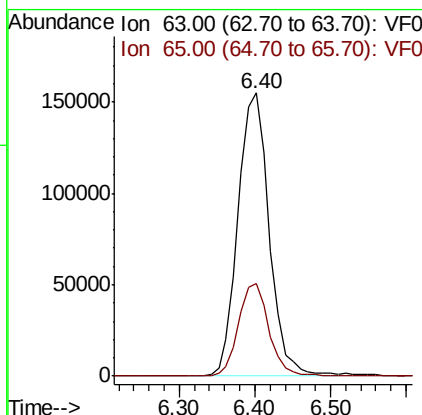
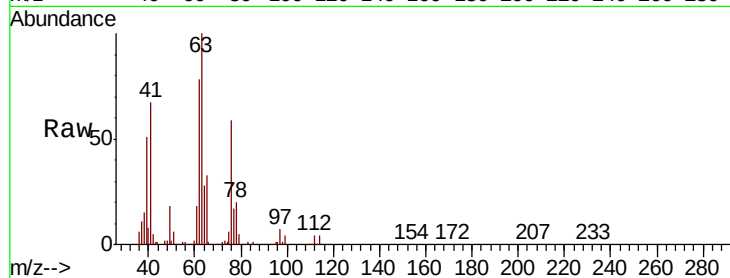
#45
 1,2-Dichloropropane
 Concen: 126.55 ug/l
 RT: 6.40 min Scan# 585
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	26.2	39.4

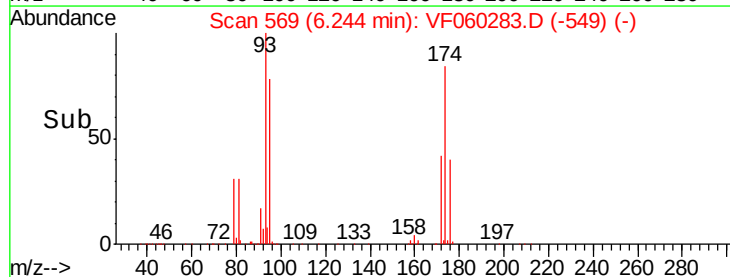
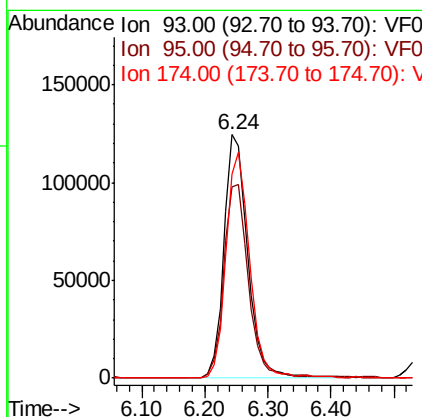
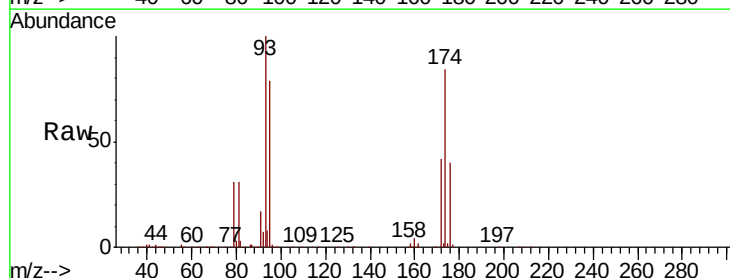
Manual Integrations
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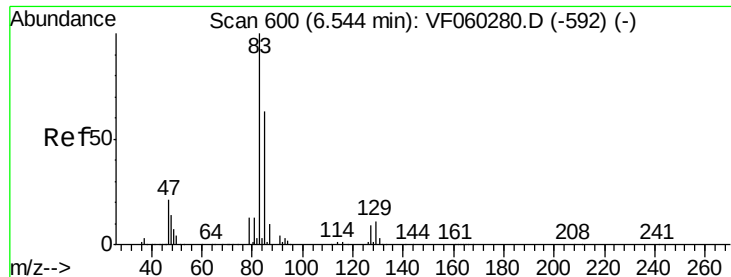
apatel
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#46
 Dibromomethane
 Concen: 130.81 ug/l
 RT: 6.24 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	78.5	67.0	100.6
174	83.7	74.8	112.2





#47

Bromodichloromethane

Concen: 128.38 ug/l

RT: 6.54 min Scan# 599

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

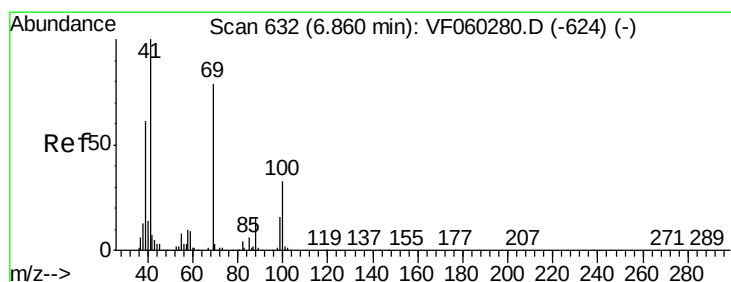
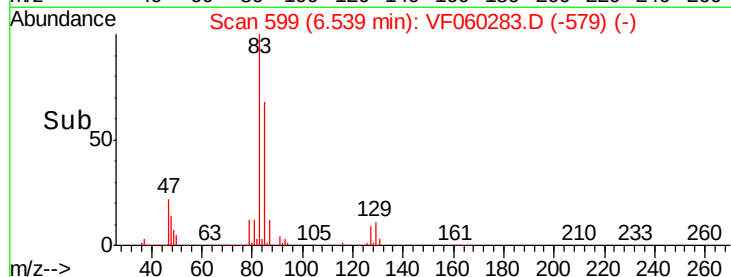
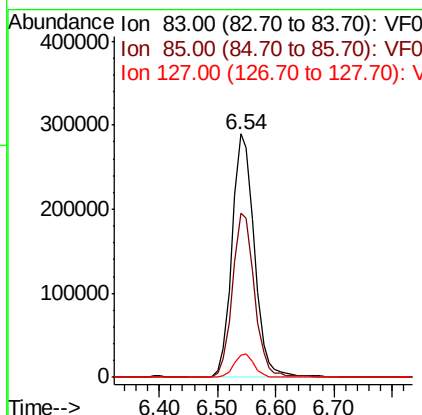
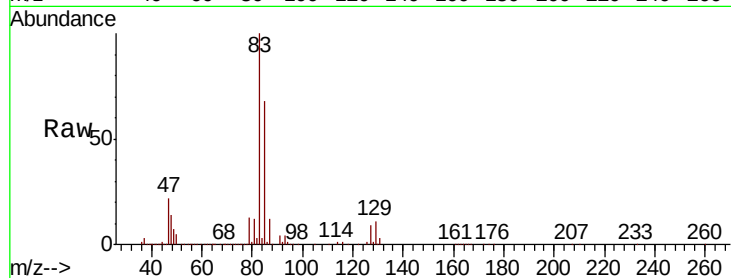
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	769864
Ion Ratio	Lower	Upper	
83	100		
85	67.6	50.6	76.0
127	9.4	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 129.08 ug/l

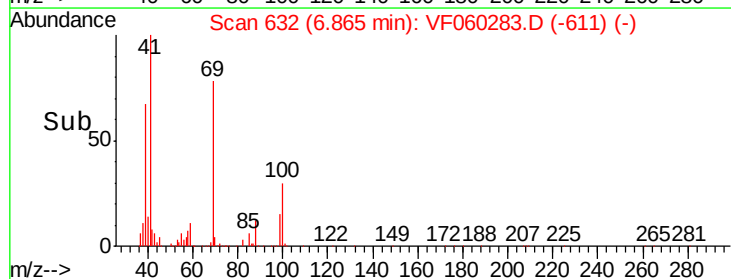
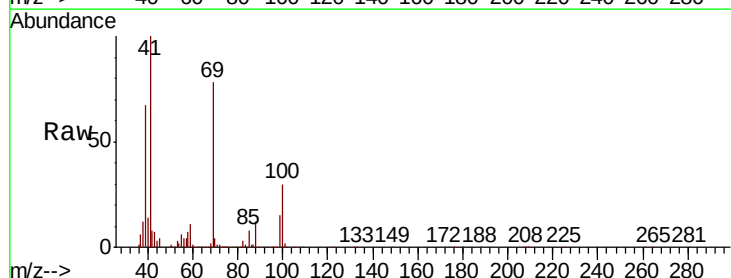
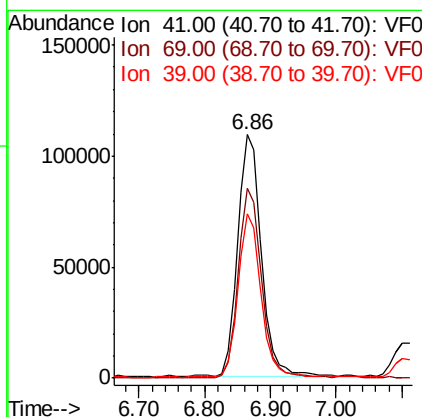
RT: 6.86 min Scan# 632

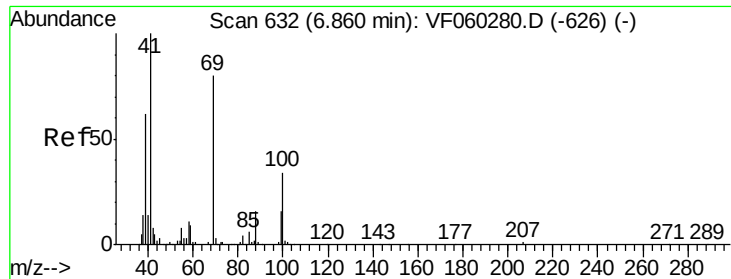
Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Tgt Ion:	41	Resp:	274582
Ion Ratio	Lower	Upper	
41	100		
69	78.0	62.6	94.0
39	67.3	49.1	73.7





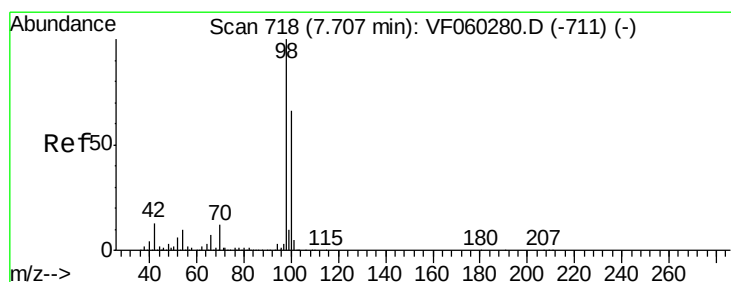
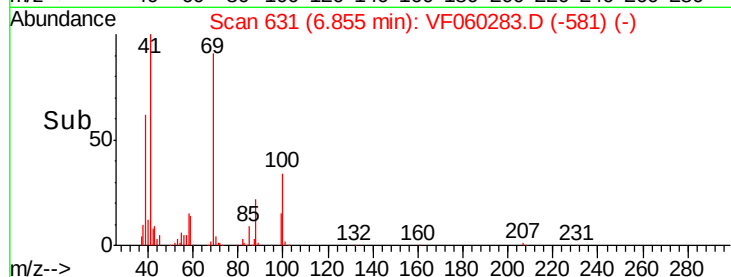
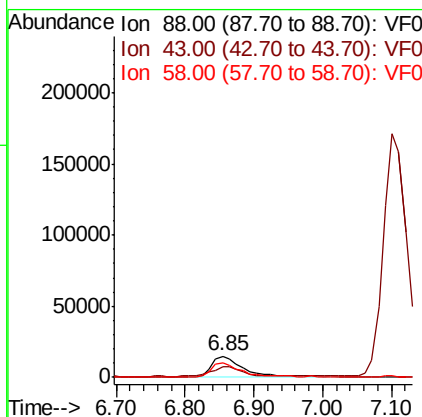
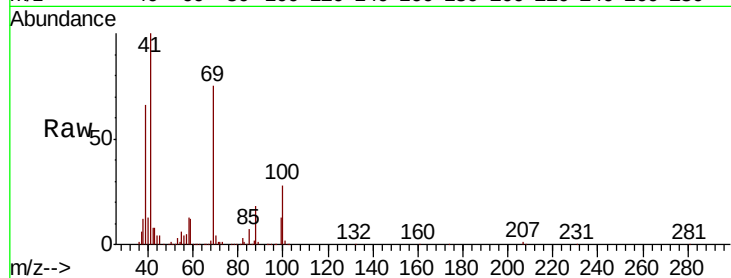
#49
1,4-Dioxane
Concen: 2645.68 ug/l
RT: 6.85 min Scan# 631
Delta R.T. -0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	47.1	40.2	60.4
58	70.0	56.7	85.1

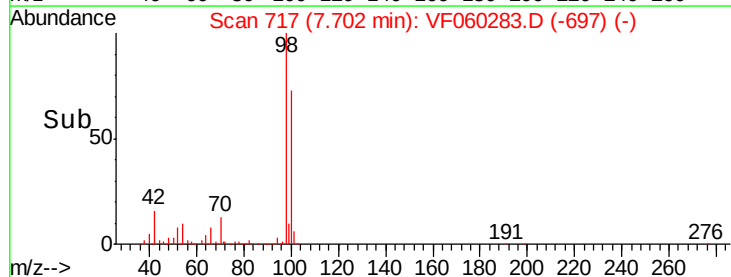
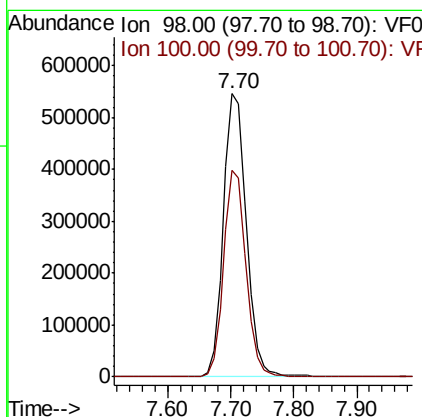
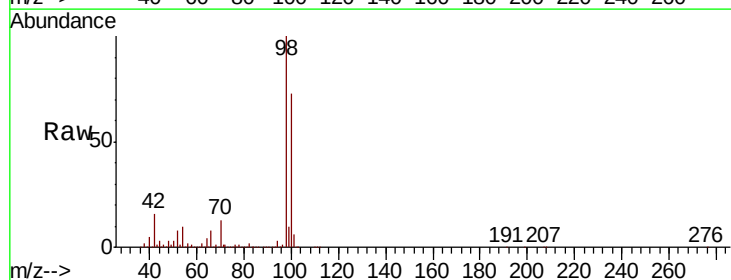
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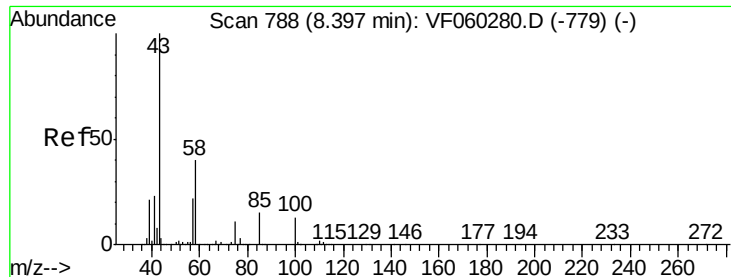
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#50
Toluene-d8
Concen: 125.12 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	72.9	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 691.19 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Tot Ion: 43 Resp: 1614335

Ion Ratio Lower Upper

43 100

58 42.0 31.8 47.8

Instrument :

MSVOA_F

ClientSampleId :

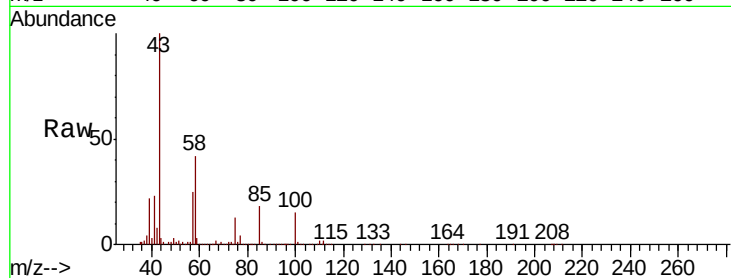
VSTDIC150

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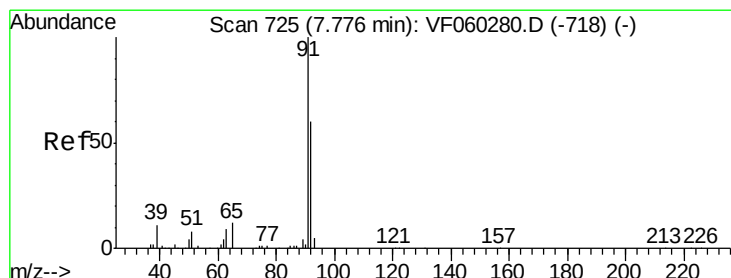
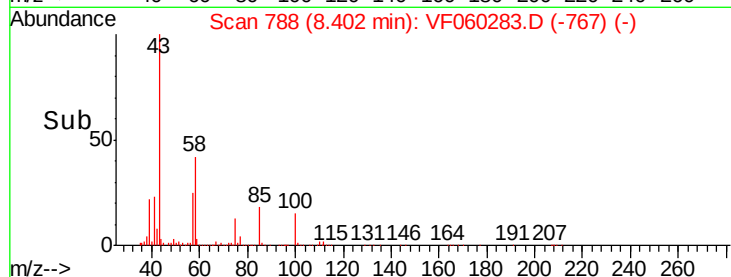
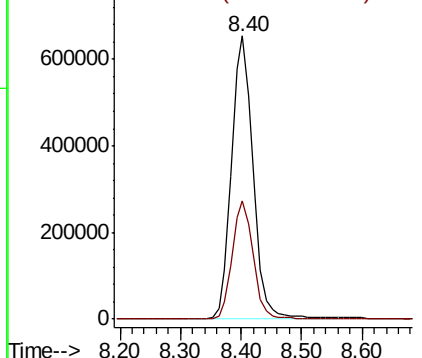
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 121.55 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.00 min

Lab File: VF060283.D

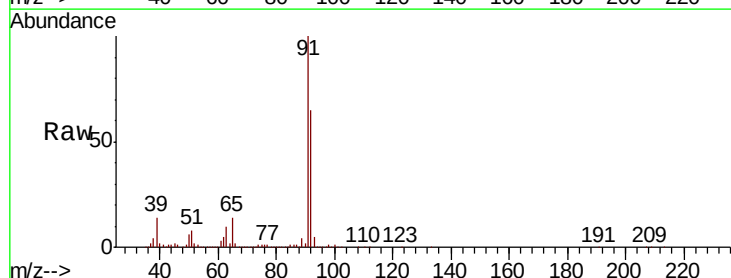
Acq: 19 Sep 2018 15:38

Tgt Ion: 92 Resp: 1037295

Ion Ratio Lower Upper

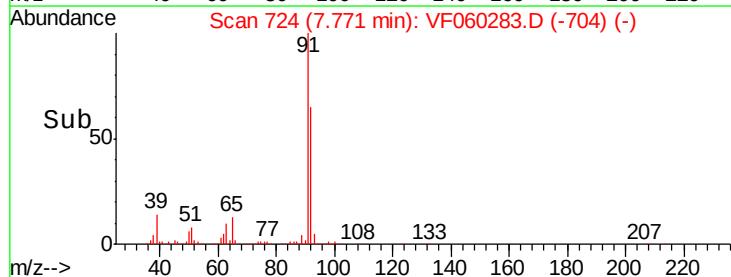
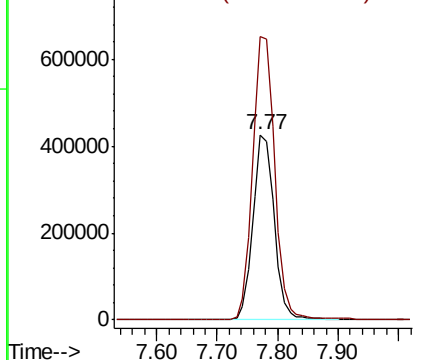
92 100

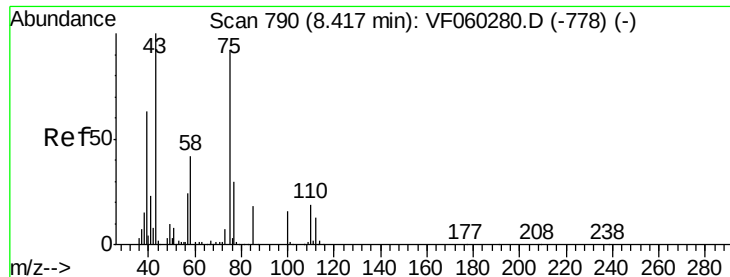
91 153.1 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 128.56 ug/l

RT: 8.42 min Scan# 790

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 621850

Ion Ratio Lower Upper

75 100

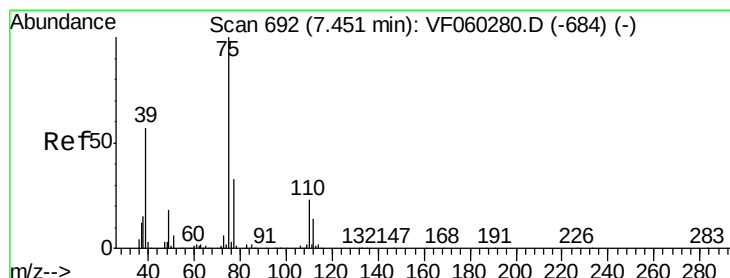
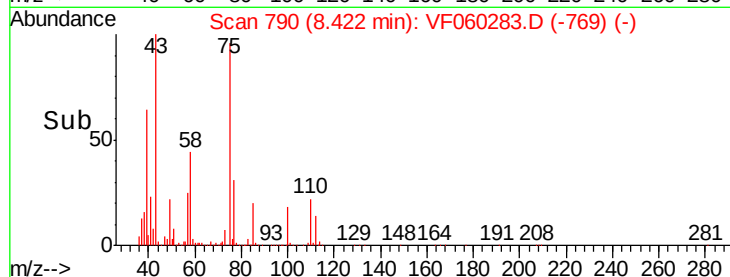
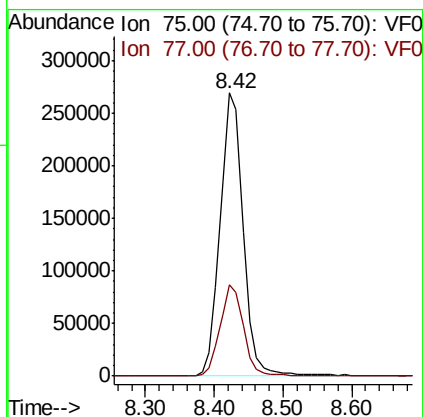
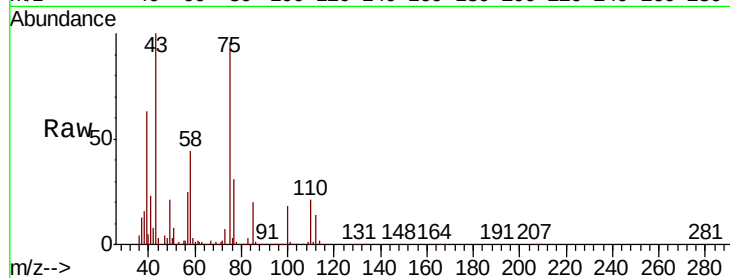
77 32.4 25.9 38.9

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#54

cis-1,3-Dichloropropene

Concen: 126.87 ug/l

RT: 7.46 min Scan# 692

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

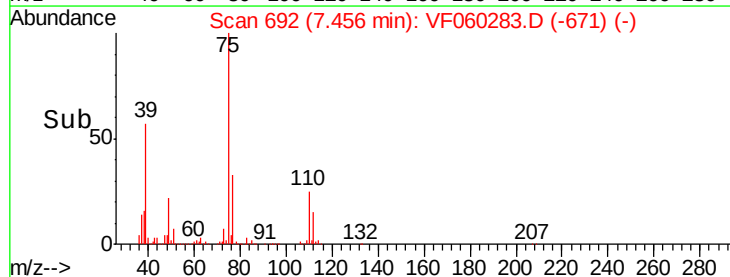
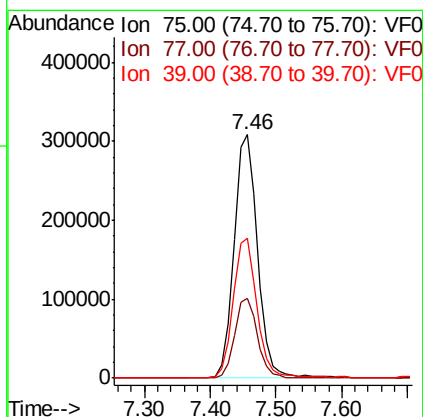
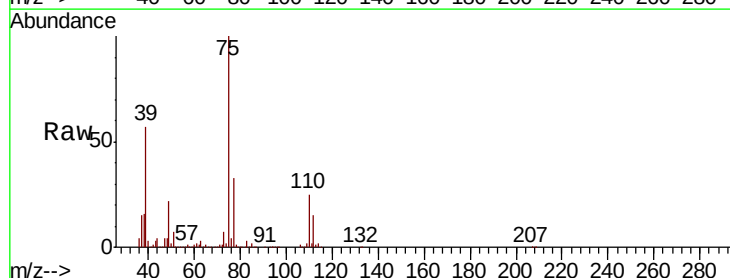
Tgt Ion: 75 Resp: 773138

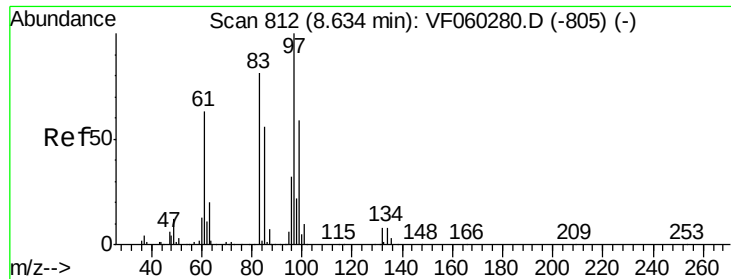
Ion Ratio Lower Upper

75 100

77 33.0 26.3 39.5

39 57.3 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 132.30 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

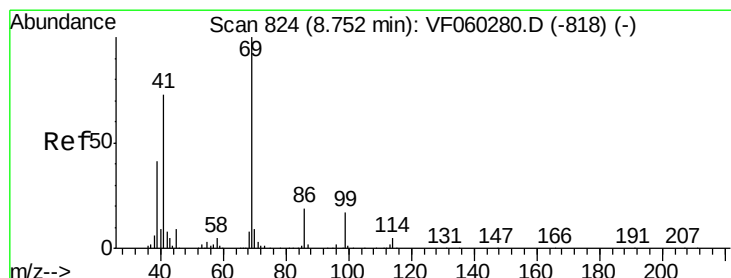
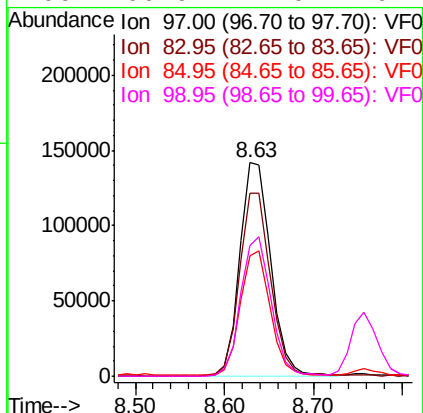
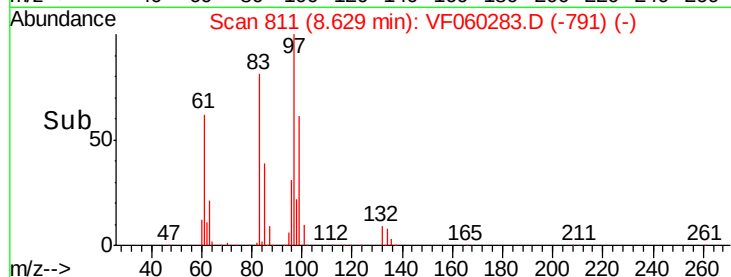
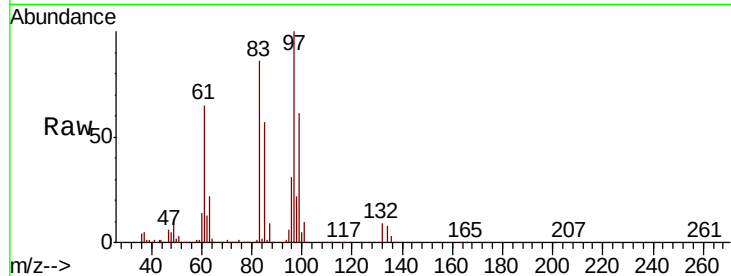
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	342668
Ion	Ratio	Lower	Upper
97	100		
83	85.7	65.3	97.9
85	56.6	44.7	67.1
99	60.9	47.0	70.4

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#56

Ethyl methacrylate

Concen: 137.53 ug/l

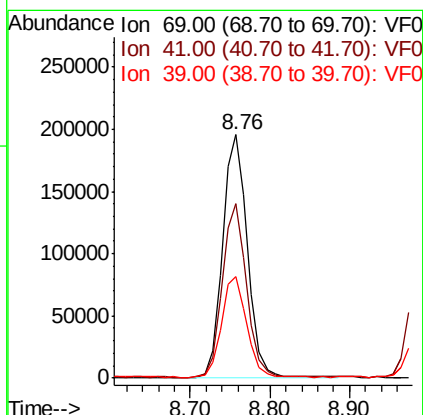
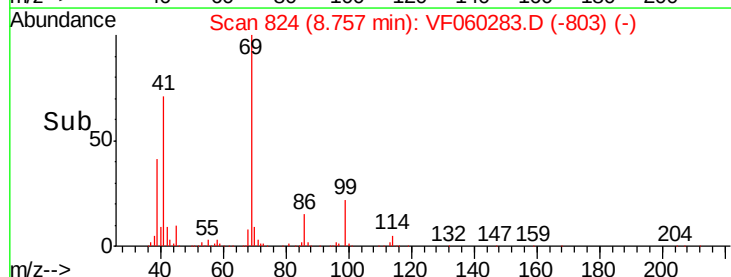
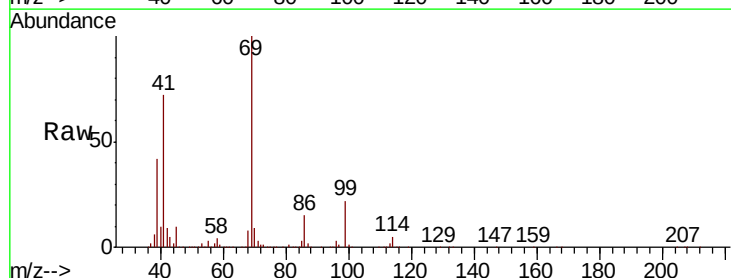
RT: 8.76 min Scan# 824

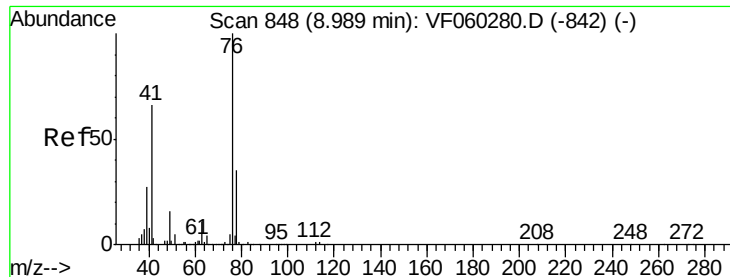
Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Tgt Ion:	69	Resp:	430190
Ion	Ratio	Lower	Upper
69	100		
41	71.7	59.4	89.2
39	41.9	33.5	50.3





#57

1,3-Dichloropropane

Concen: 136.55 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 585597

Ion Ratio Lower Upper

76 100

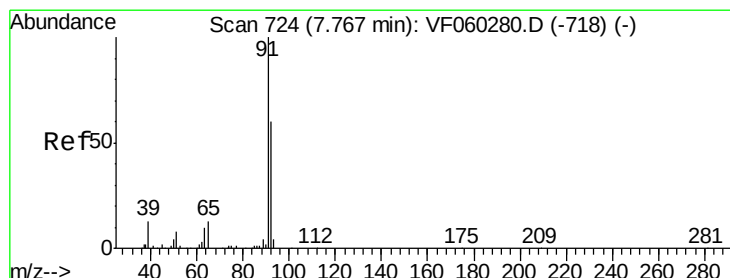
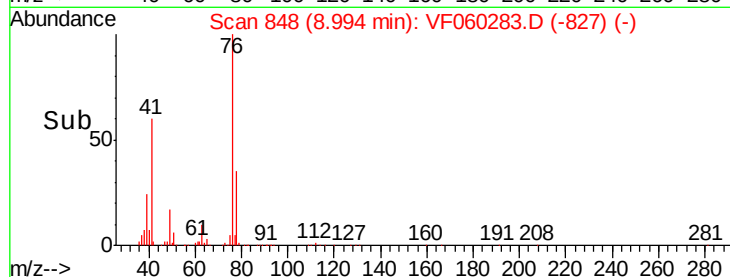
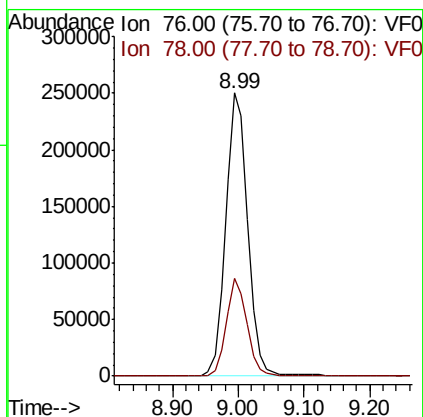
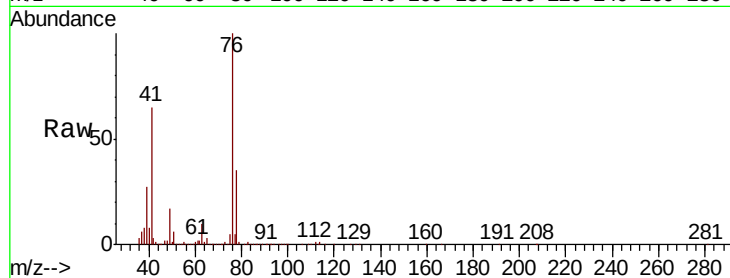
78 34.6 28.2 42.2

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#58

2-Chloroethyl Vinyl ether

Concen: 564.62 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.00 min

Lab File: VF060283.D

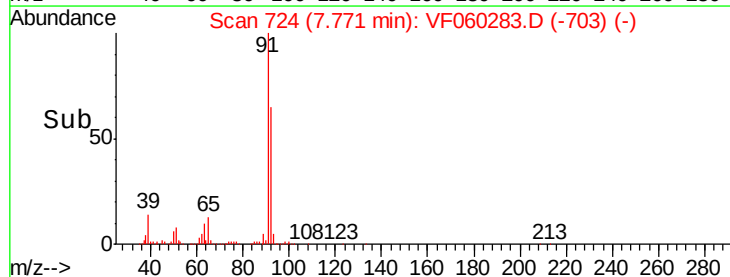
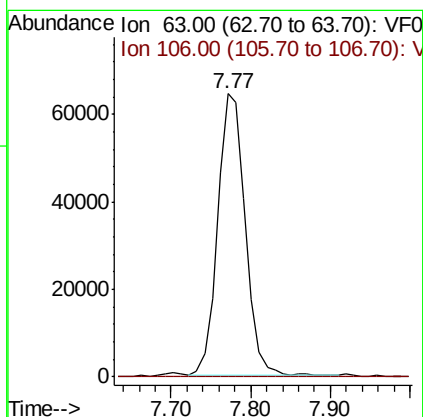
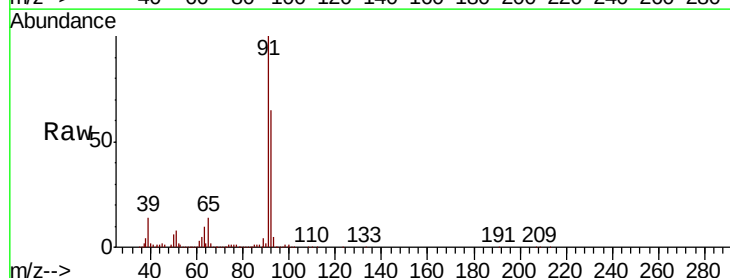
Acq: 19 Sep 2018 15:38

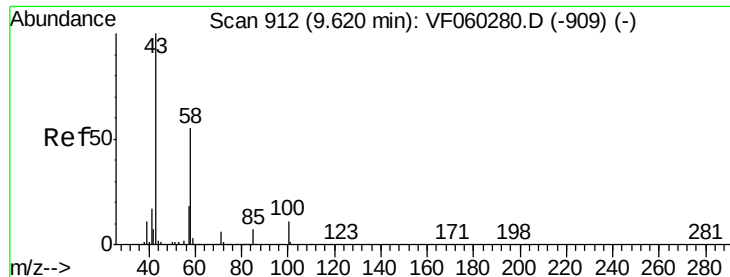
Tgt Ion: 63 Resp: 156133

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





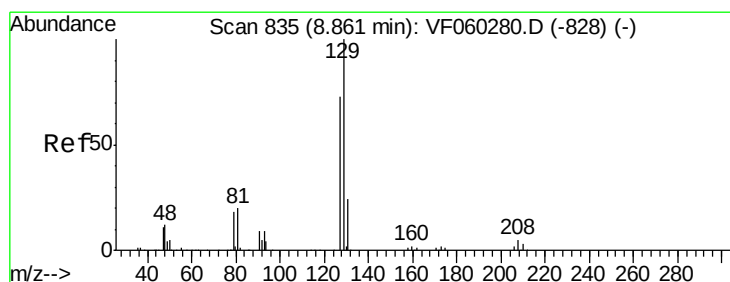
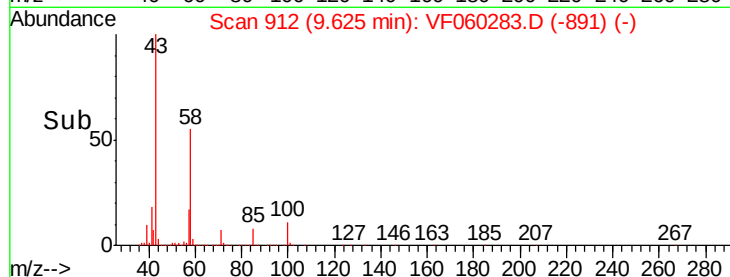
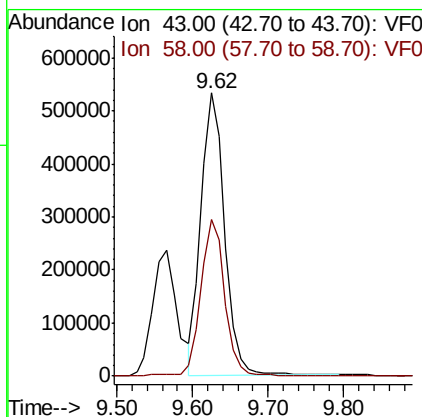
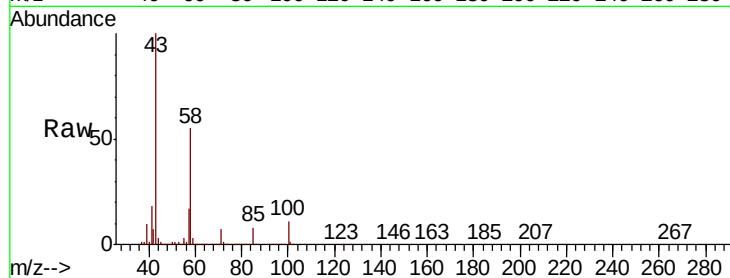
#59
2-Hexanone
Concen: 695.47 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1156538
Ion Ratio Lower Upper
43 100
58 55.3 25.9 77.6

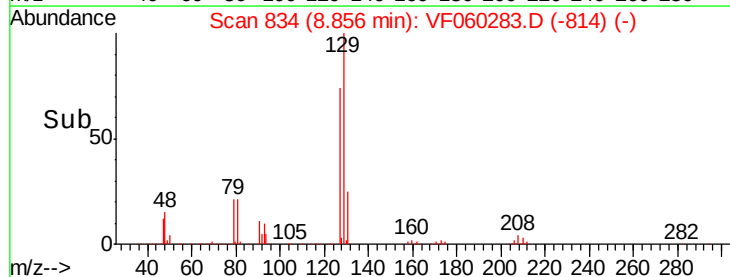
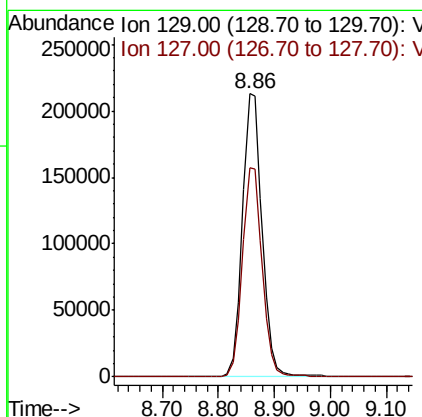
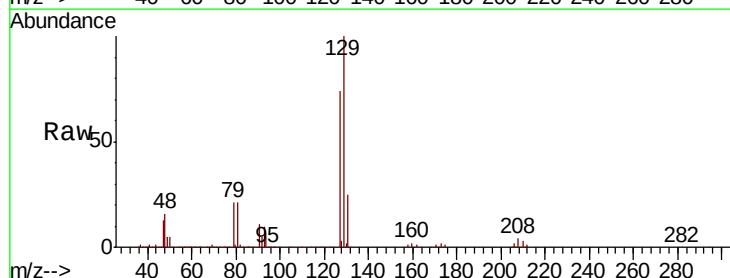
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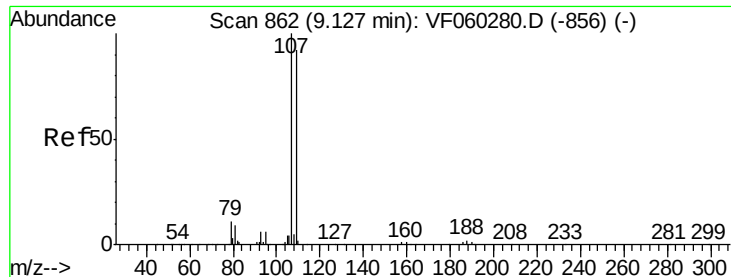
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#60
Dibromochloromethane
Concen: 134.03 ug/l
RT: 8.86 min Scan# 834
Delta R.T. -0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion: 129 Resp: 517394
Ion Ratio Lower Upper
129 100
127 73.9 36.6 109.8





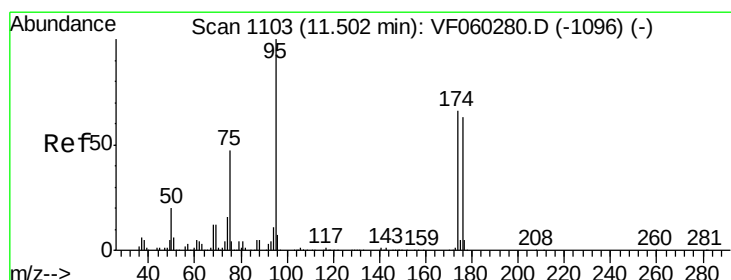
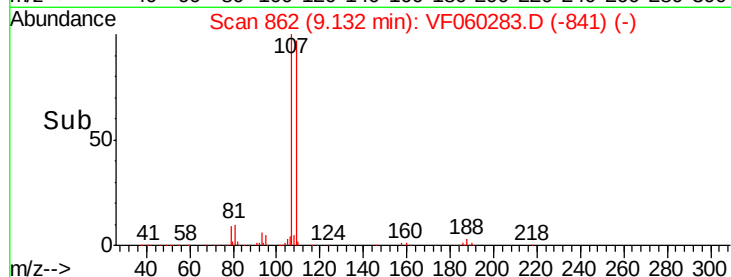
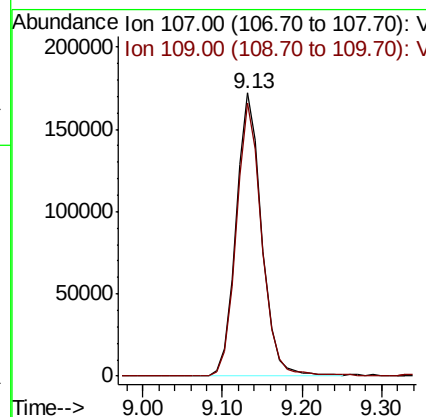
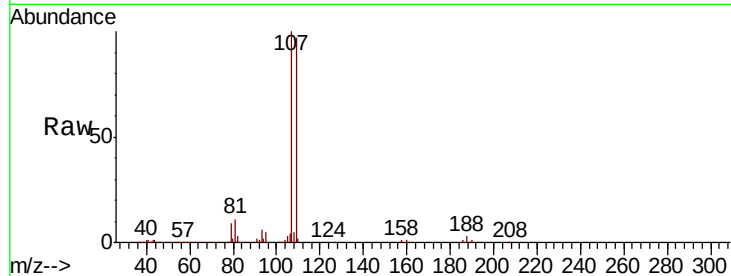
#61
 1,2-Dibromoethane
 Concen: 134.18 ug/l
 RT: 9.13 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	386986		
109	96.6	73.2	109.8	

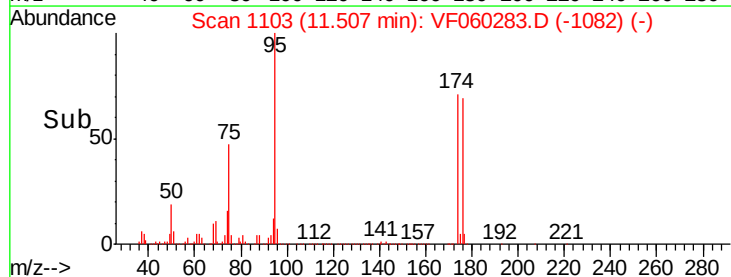
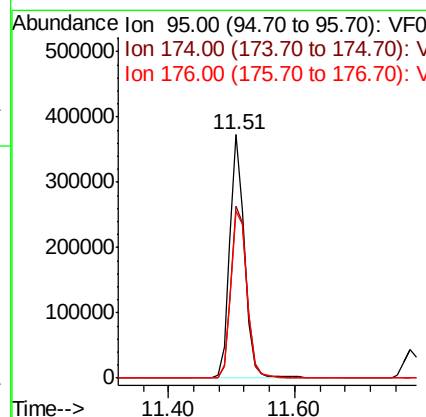
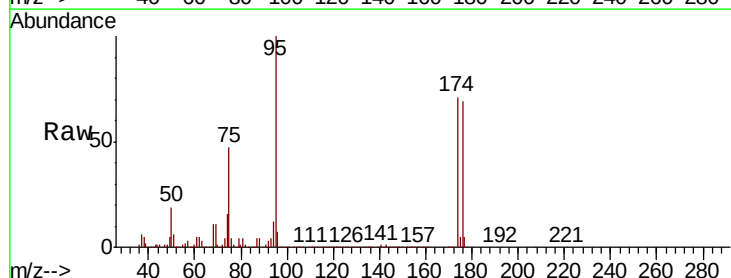
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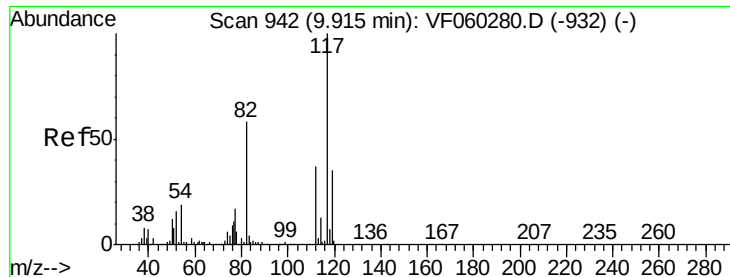
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#62
 4-Bromofluorobenzene
 Concen: 126.01 ug/l
 RT: 11.51 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	603077		
174	70.8	0.0	131.2	
176	68.8	0.0	126.6	





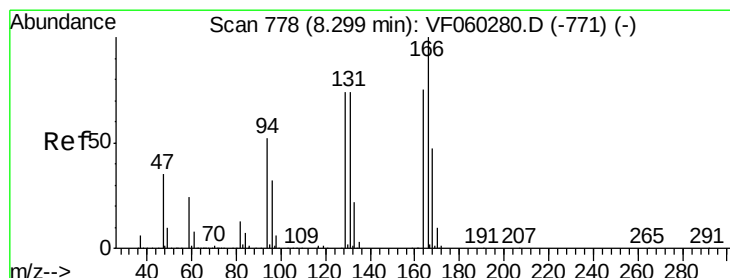
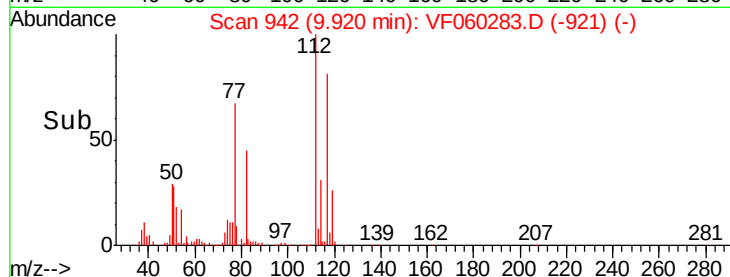
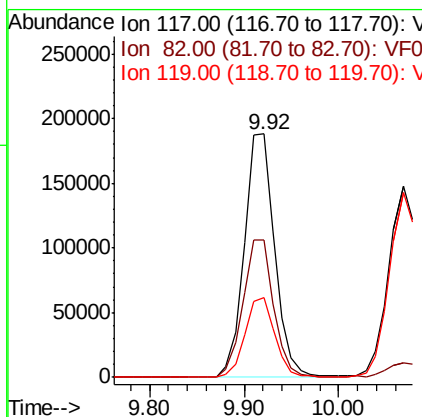
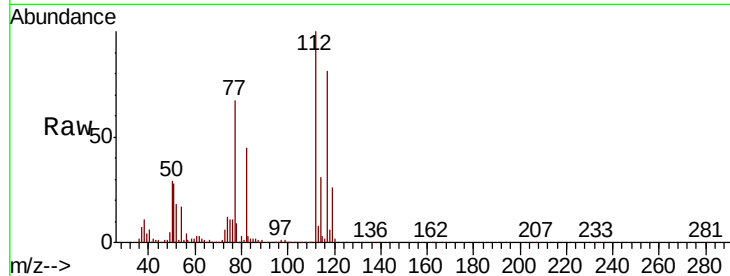
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion:	117	Resp:	420122
Ion Ratio	Lower	Upper	
117	100		
82	56.3	46.2	69.2
119	32.9	27.8	41.6

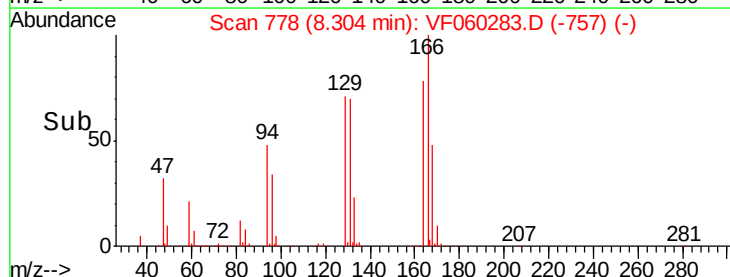
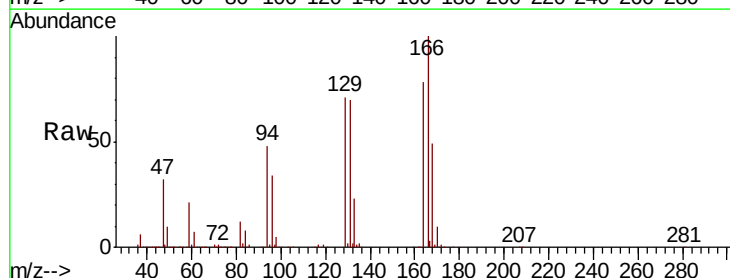
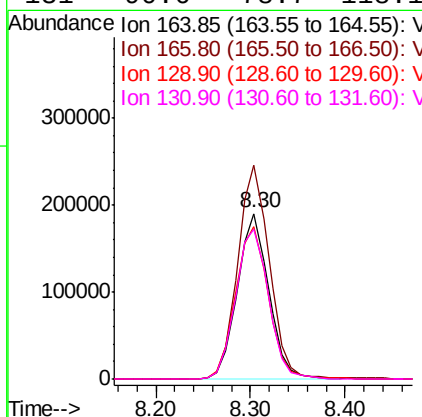
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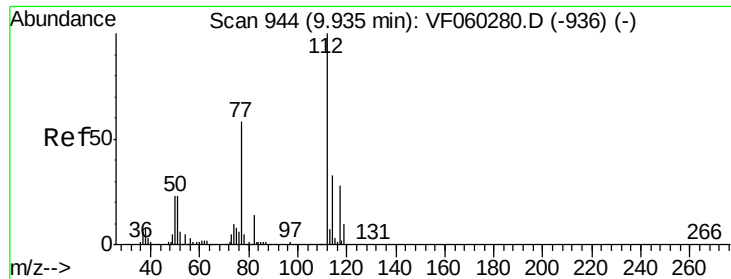
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#64
Tetrachloroethene
Concen: 115.00 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion:	164	Resp:	437970
Ion Ratio	Lower	Upper	
164	100		
166	128.9	106.8	160.2
129	92.1	78.8	118.2
131	90.6	78.7	118.1





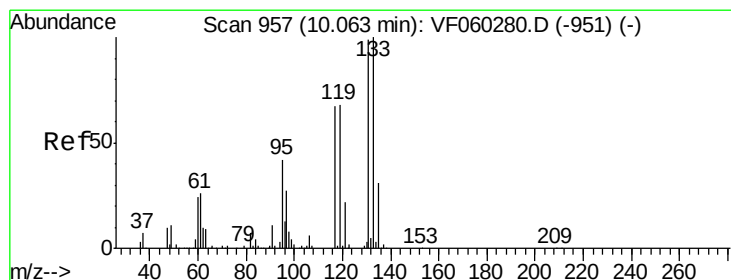
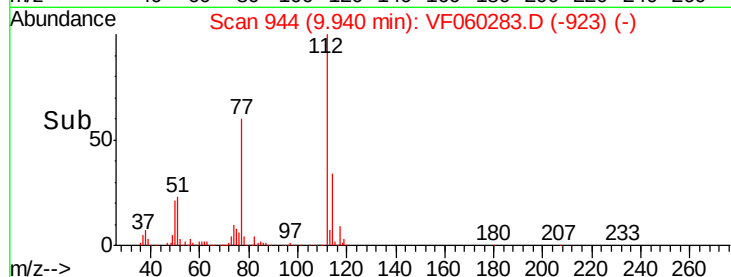
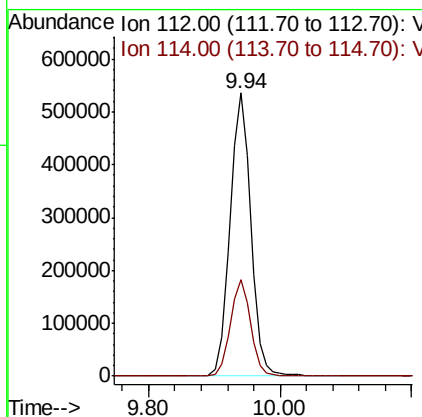
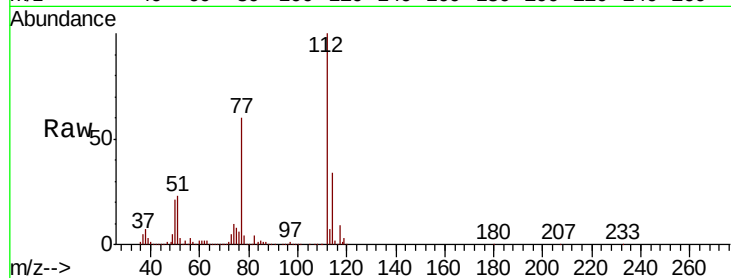
#65
Chlorobenzene
Concen: 125.44 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1194382
Ion Ratio Lower Upper
112 100
114 34.1 26.6 40.0

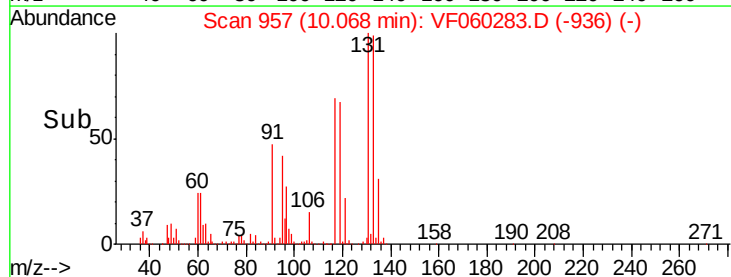
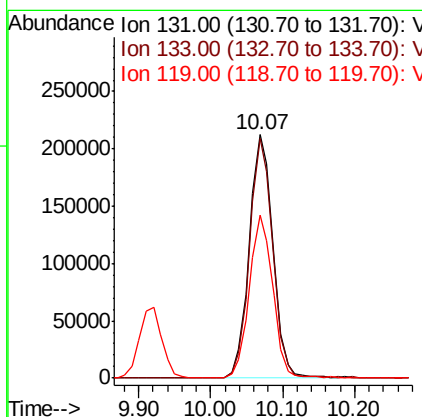
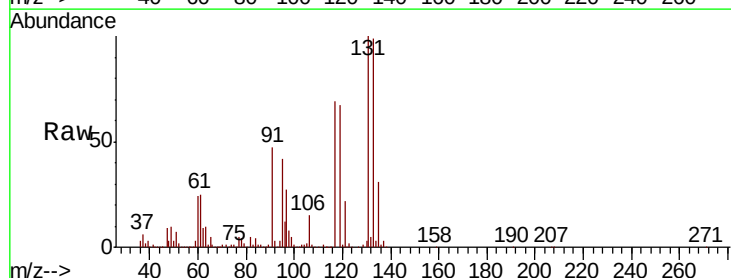
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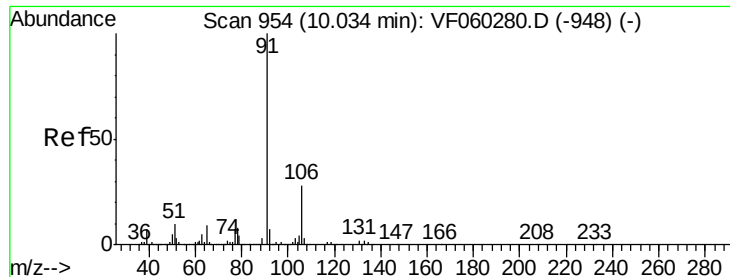
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#66
1,1,1,2-Tetrachloroethane
Concen: 123.95 ug/l
RT: 10.07 min Scan# 957
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion:131 Resp: 489796
Ion Ratio Lower Upper
131 100
133 98.6 50.4 151.2
119 67.1 34.8 104.3





#67

Ethyl Benzene

Concen: 112.88 ug/l

RT: 10.04 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1987212

Ion Ratio Lower Upper

91 100

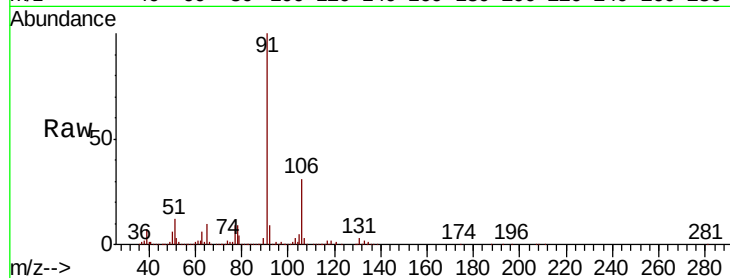
106 31.3 22.7 34.1

Manual Integrations

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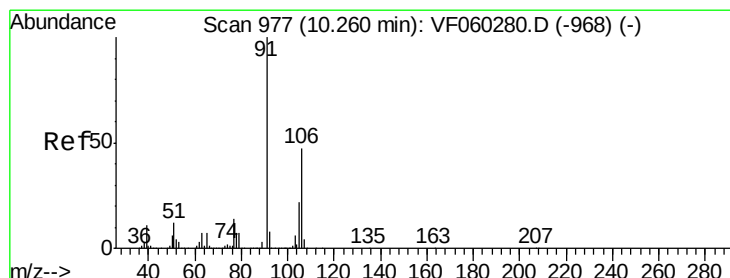
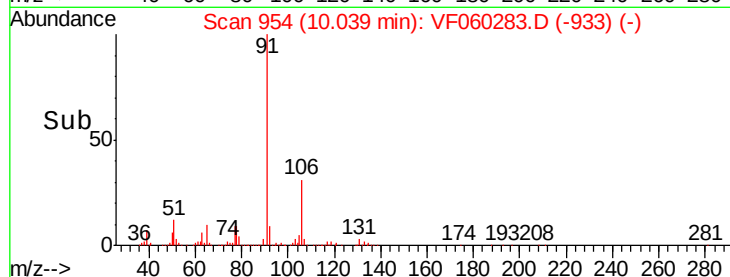
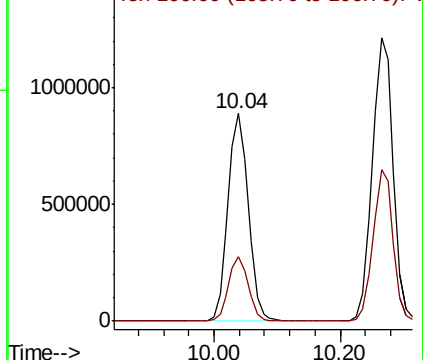
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 237.70 ug/l

RT: 10.27 min Scan# 977

Delta R.T. 0.00 min

Lab File: VF060283.D

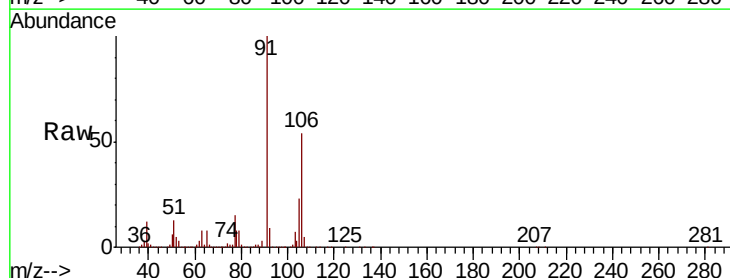
Acq: 19 Sep 2018 15:38

Tgt Ion: 106 Resp: 1445810

Ion Ratio Lower Upper

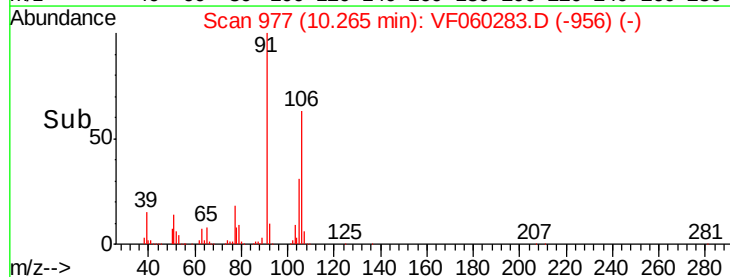
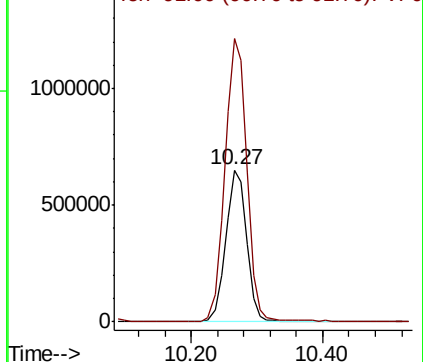
106 100

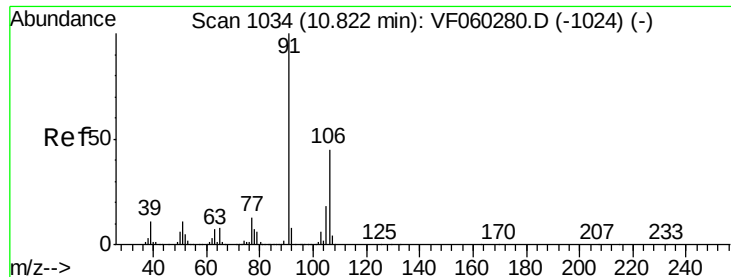
91 186.1 172.3 258.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





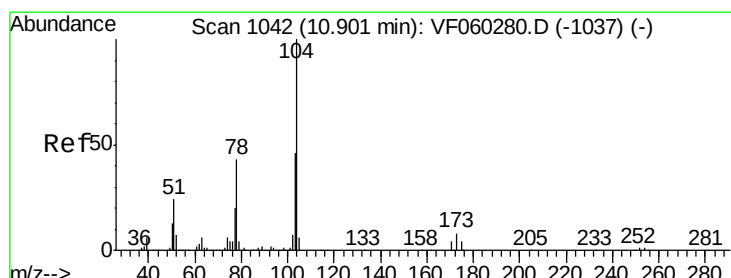
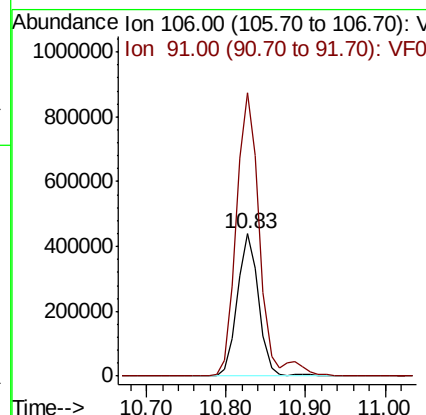
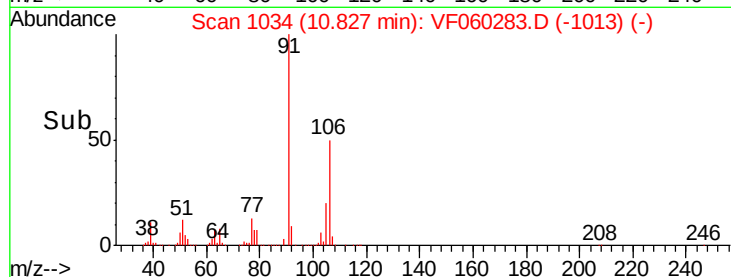
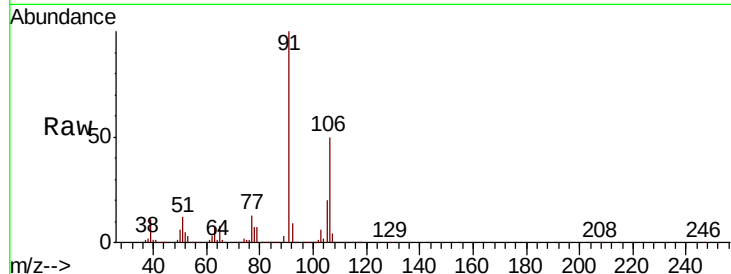
#69
o-Xylene
Concen: 120.60 ug/l
RT: 10.83 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 822771
Ion Ratio Lower Upper
106 100
91 199.3 110.9 332.6

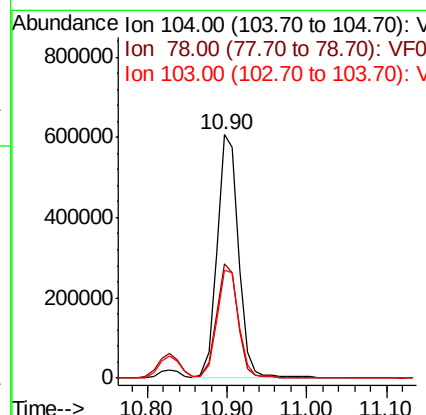
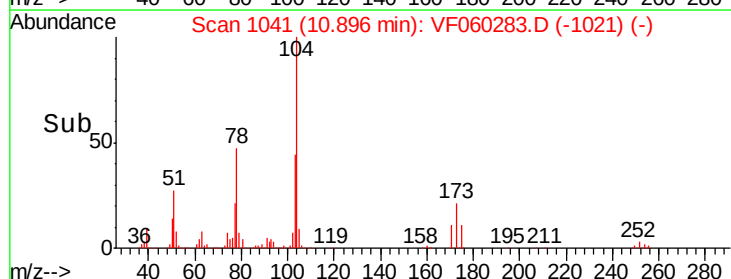
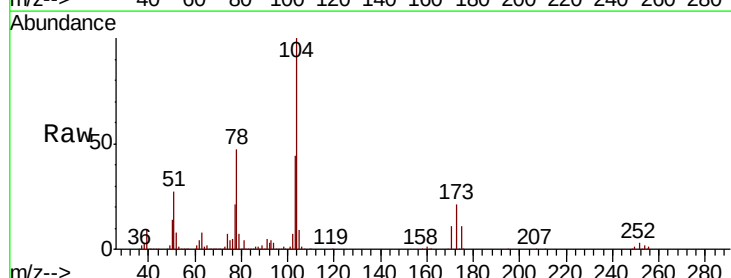
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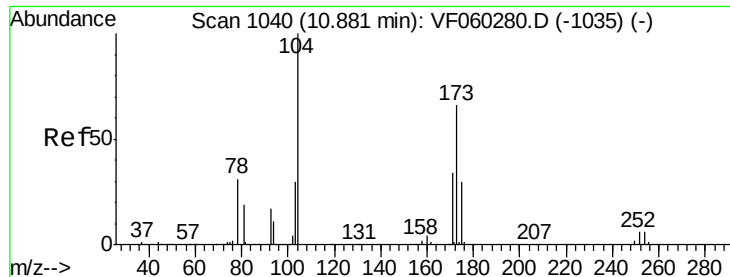
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#70
Styrene
Concen: 119.32 ug/l
RT: 10.90 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion:104 Resp: 1148001
Ion Ratio Lower Upper
104 100
78 46.9 35.0 52.6
103 44.2 37.4 56.0





#71

Bromoform

Concen: 136.08 ug/l

RT: 10.89 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 295310
Ion Ratio Lower Upper

173 100

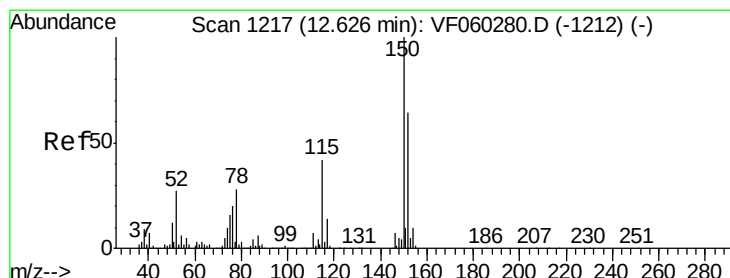
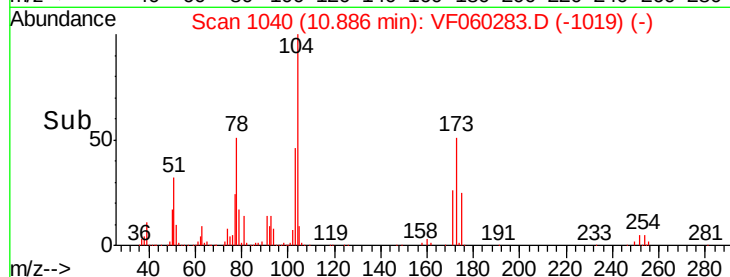
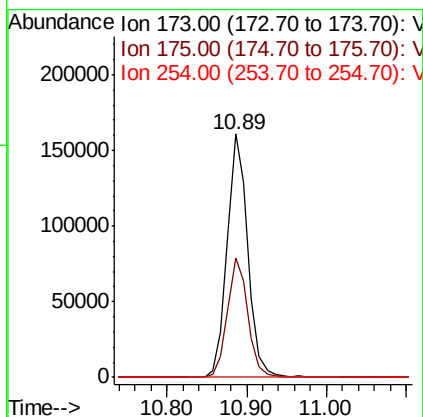
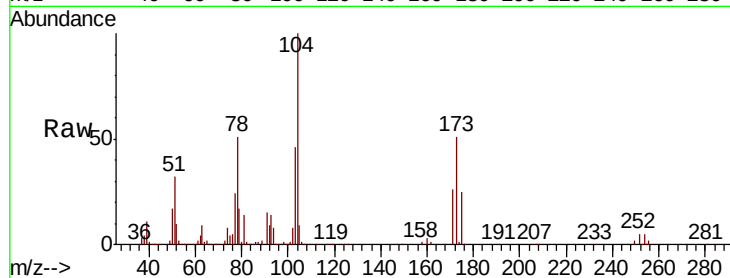
175 49.2 22.3 66.9

254 0.1 0.0 0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060283.D

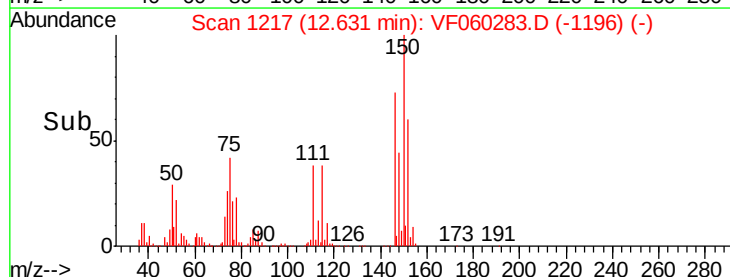
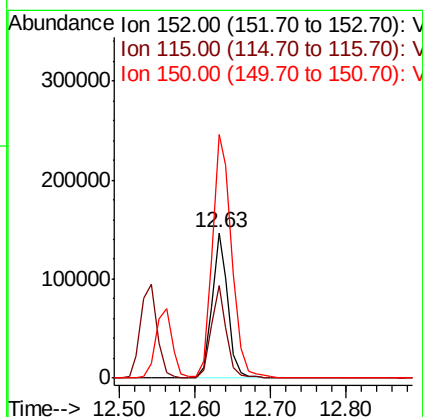
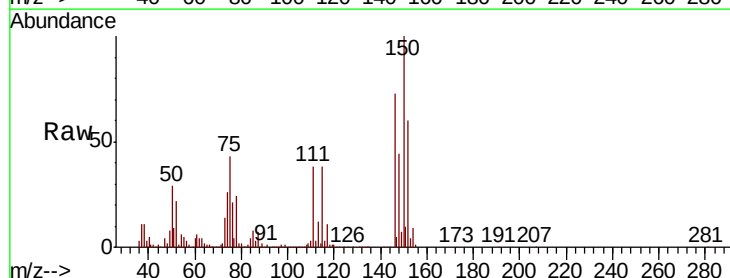
Acq: 19 Sep 2018 15:38

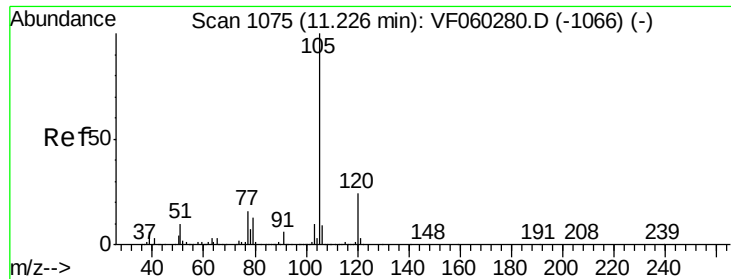
Tgt Ion:152 Resp: 216626
Ion Ratio Lower Upper

152 100

115 63.5 32.6 97.8

150 167.5 0.0 314.2





#73

Isopropylbenzene

Concen: 113.46 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2206511

Ion Ratio Lower Upper

105 100

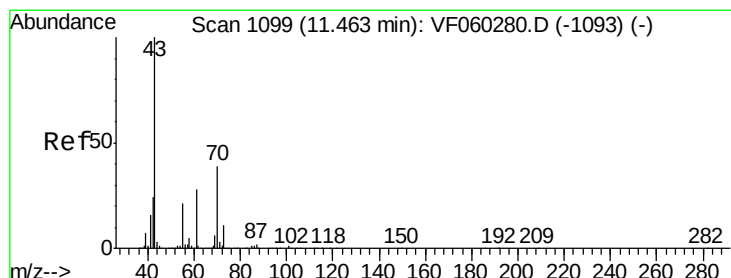
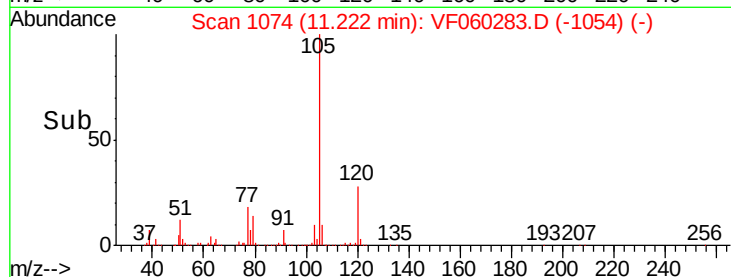
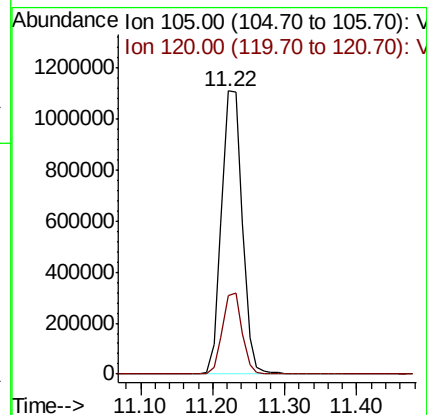
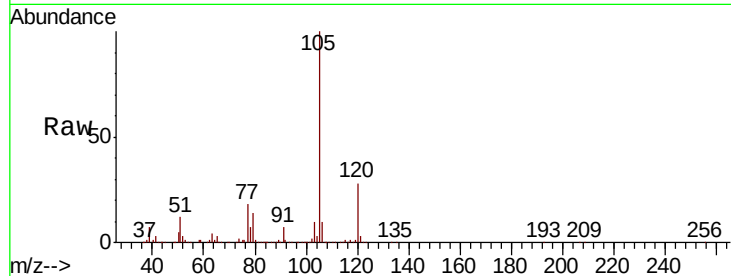
120 27.8 12.2 36.6

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#74

N-ethyl acetate

Concen: 139.79 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Tgt Ion: 43 Resp: 579688

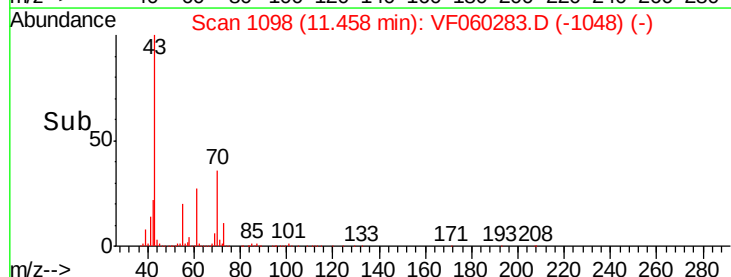
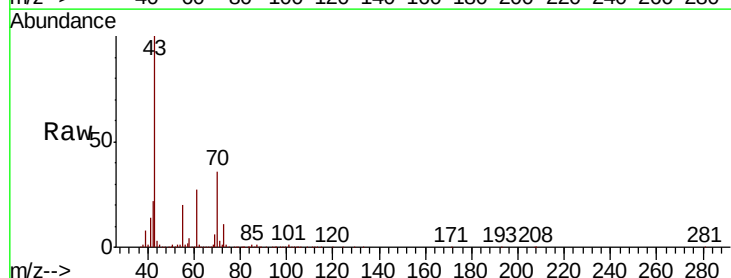
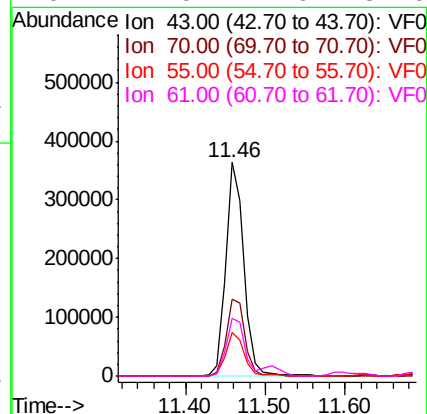
Ion Ratio Lower Upper

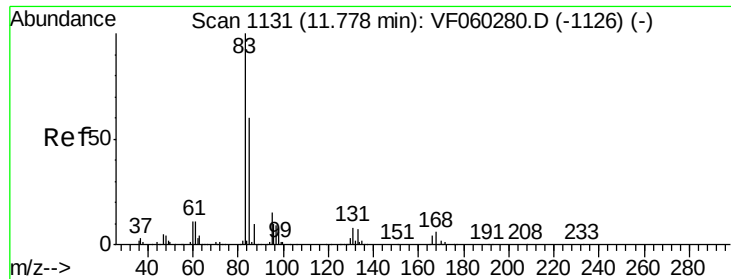
43 100

70 36.0 31.4 47.2

55 20.2 16.8 25.2

61 27.0 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 127.14 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

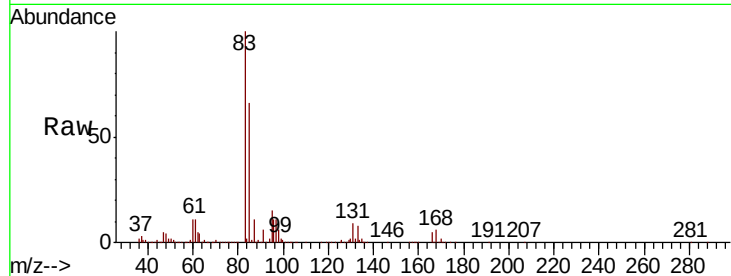
ClientSampleId :

VSTDIC150

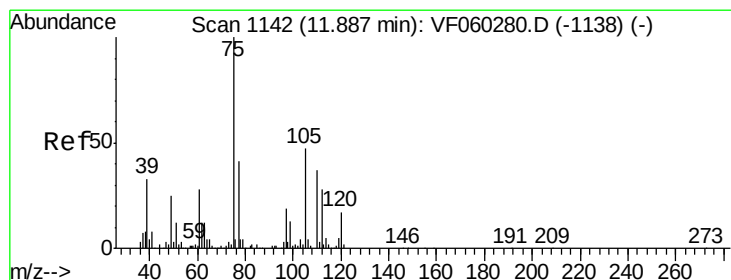
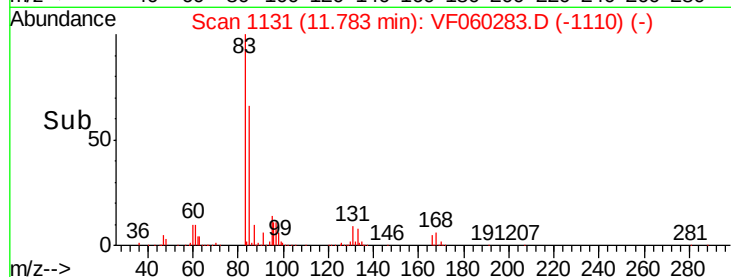
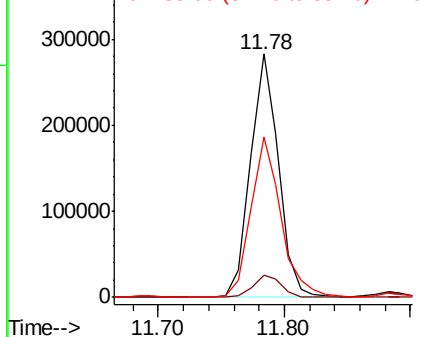
Tot Ion:	83	Resp:	438183
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.2	12.4
85	66.0	30.1	90.5

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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 130.74 ug/l

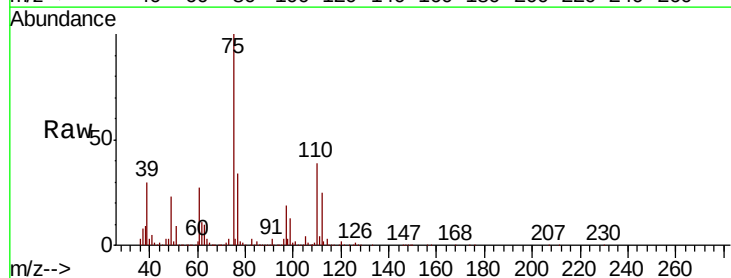
RT: 11.88 min Scan# 1141

Delta R.T. -0.00 min

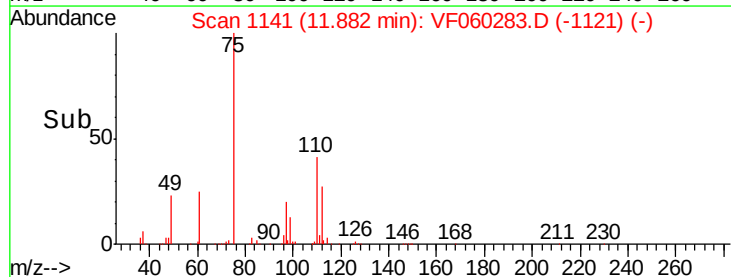
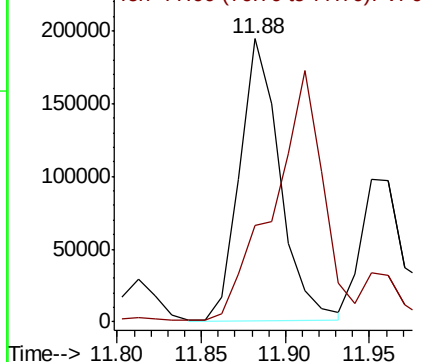
Lab File: VF060283.D

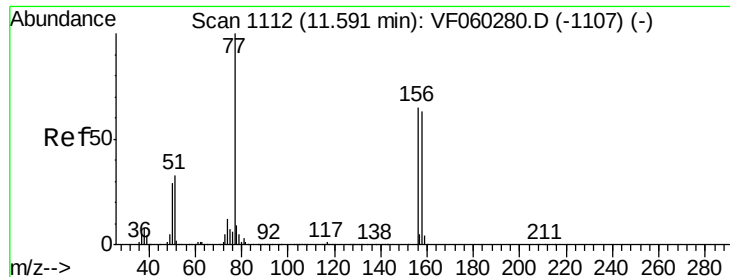
Acq: 19 Sep 2018 15:38

Tgt Ion:	75	Resp:	322636
Ion Ratio	Lower	Upper	
75	100		
77	34.1	20.5	61.5



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 122.91 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

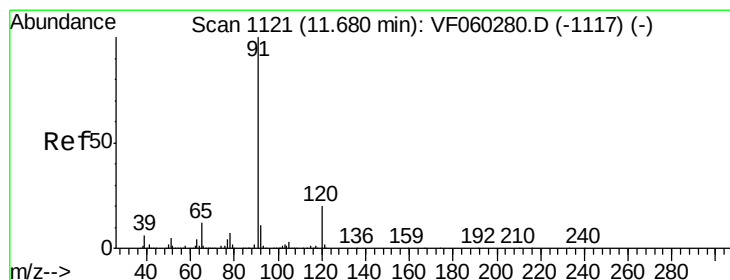
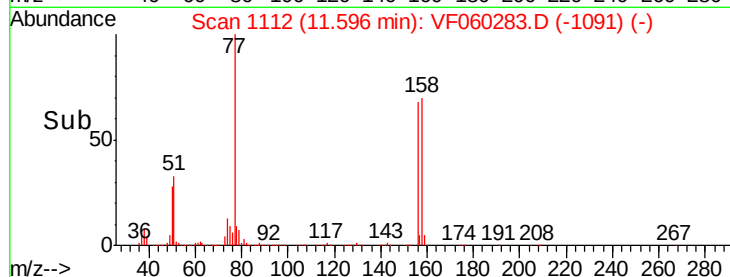
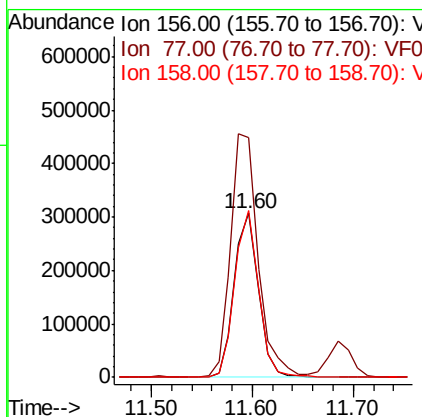
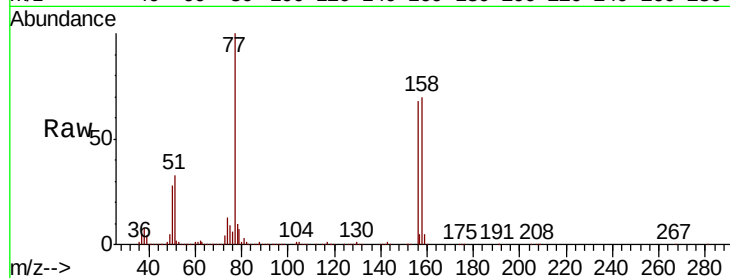
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	515122
Ion Ratio	Lower	Upper	
156	100		
77	146.3	77.3	232.1
158	101.7	48.4	145.2

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#78

n-propylbenzene

Concen: 108.36 ug/l

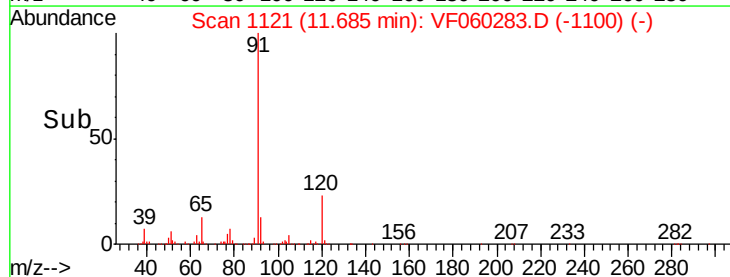
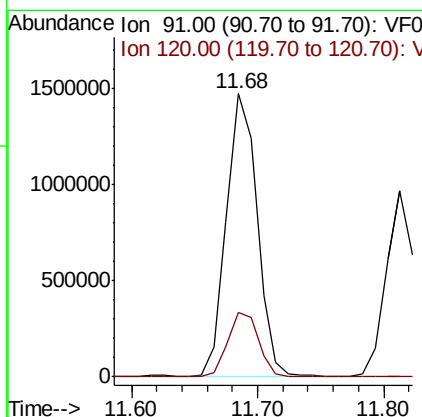
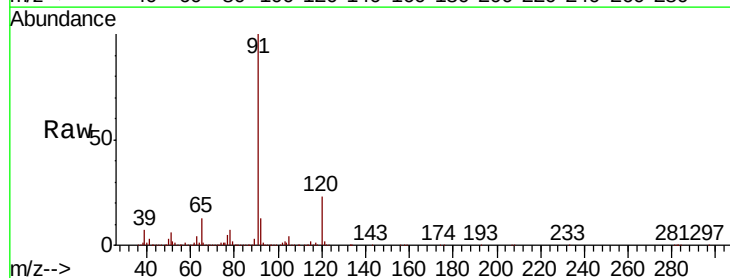
RT: 11.68 min Scan# 1121

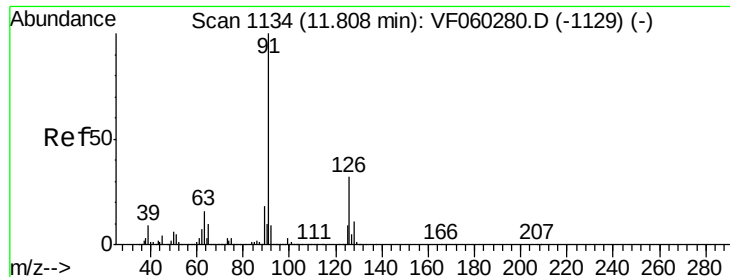
Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Tgt Ion:	91	Resp:	2487748
Ion Ratio	Lower	Upper	
91	100		
120	22.9	10.0	29.8





#79

2-Chlorotoluene

Concen: 114.72 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1504963

Ion Ratio Lower Upper

91 100

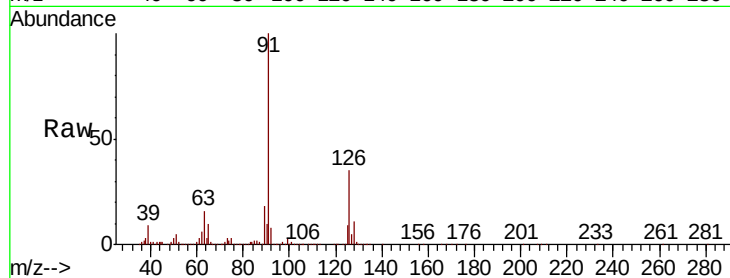
126 34.6 16.1 48.3

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Abundance Ion 91.00 (90.70 to 91.70): VF060283.D (-1129) (-)

Ion 126.00 (125.70 to 126.70): VF060283.D (-1129) (-)

11.81

1000000

800000

600000

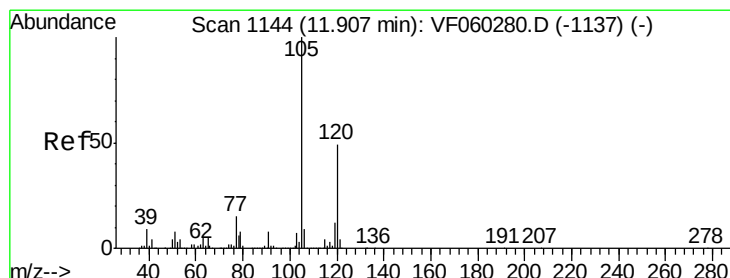
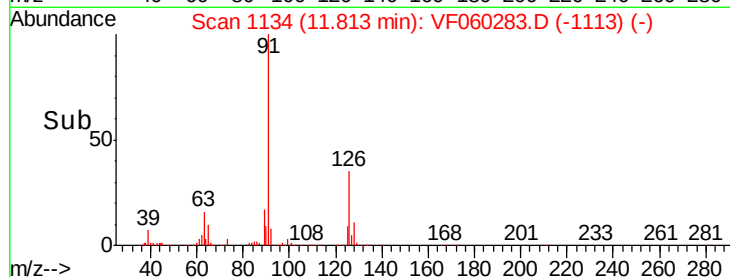
400000

200000

0

11.75 11.80 11.85 11.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 110.43 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060283.D

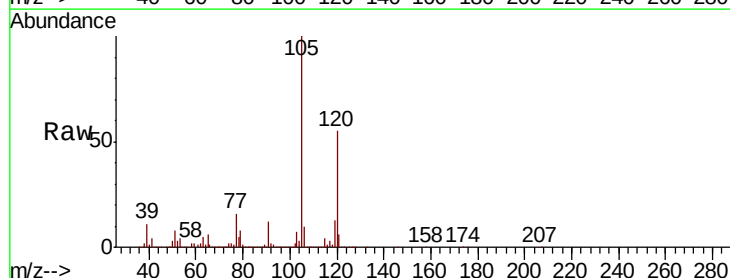
Acq: 19 Sep 2018 15:38

Tgt Ion:105 Resp: 1728663

Ion Ratio Lower Upper

105 100

120 54.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VF060283.D (-1123) (-)

Ion 120.00 (119.70 to 120.70): VF060283.D (-1123) (-)

11.91

1200000

1000000

800000

600000

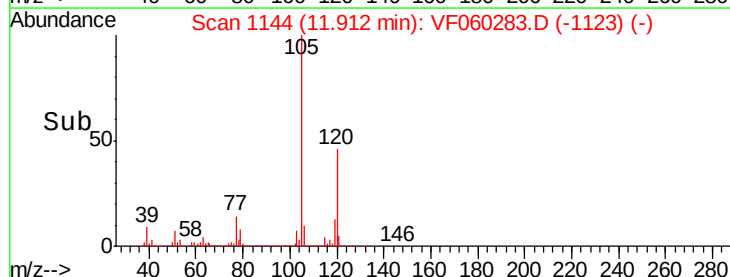
400000

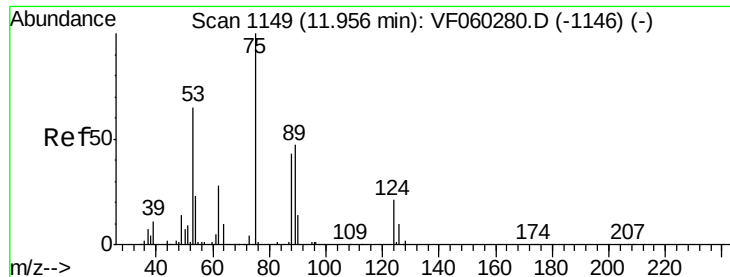
200000

0

11.80 11.90 12.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 110.16 ug/l m

RT: 11.95 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

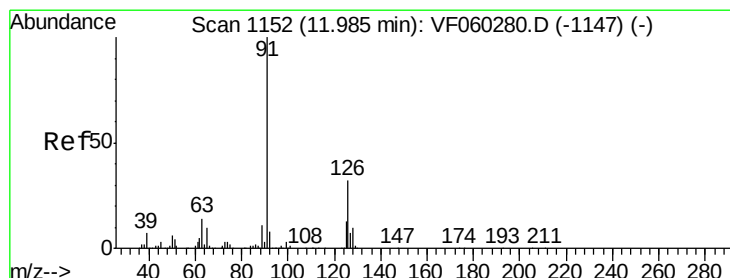
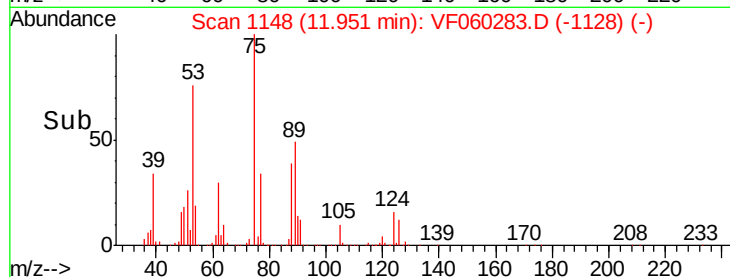
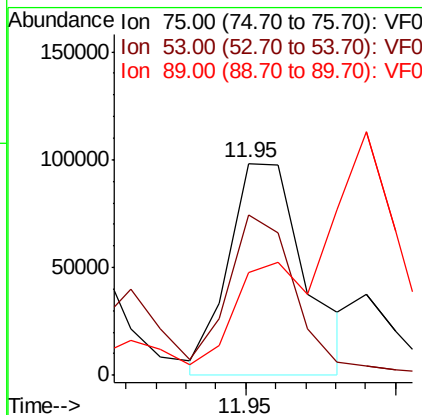
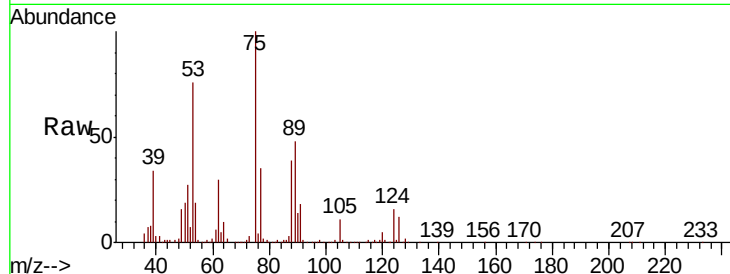
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	175151
Ion	Ratio	Lower	Upper
75	100		
53	75.5	56.5	84.7
89	48.5	40.6	60.8

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#82

4-Chlorotoluene

Concen: 121.15 ug/l

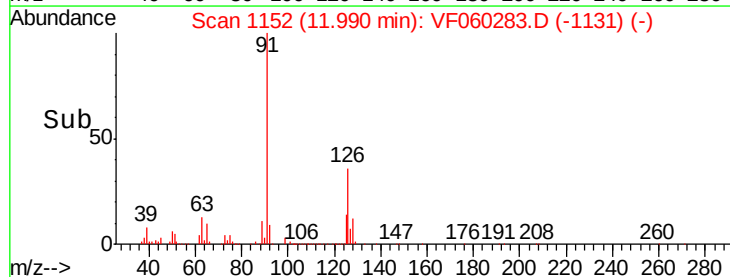
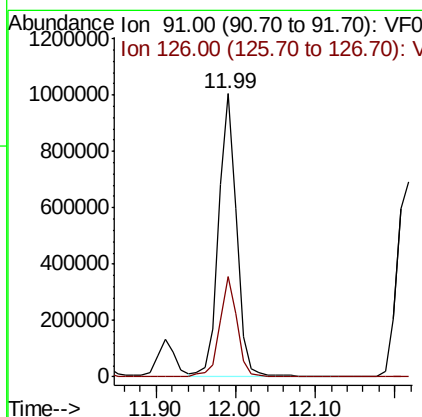
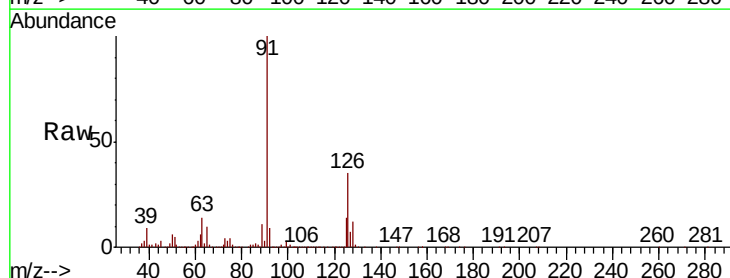
RT: 11.99 min Scan# 1152

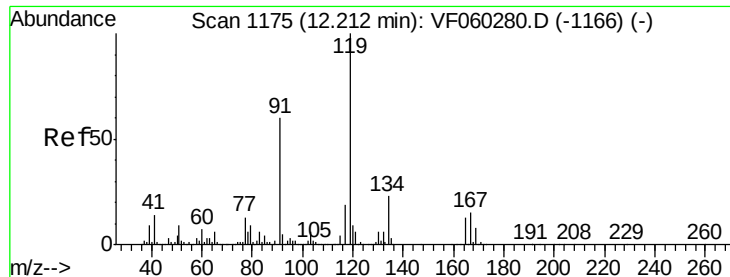
Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Tgt Ion:	91	Resp:	1597404
Ion	Ratio	Lower	Upper
91	100		
126	35.3	16.1	48.2





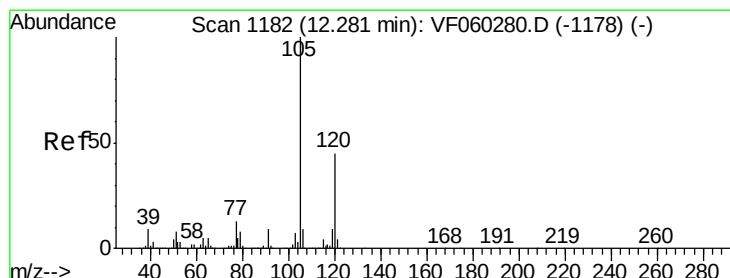
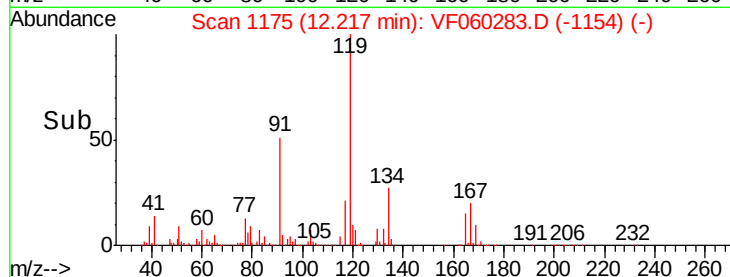
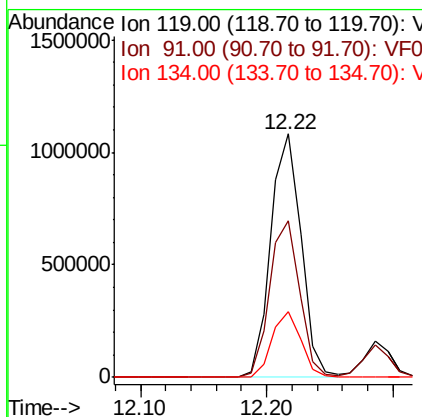
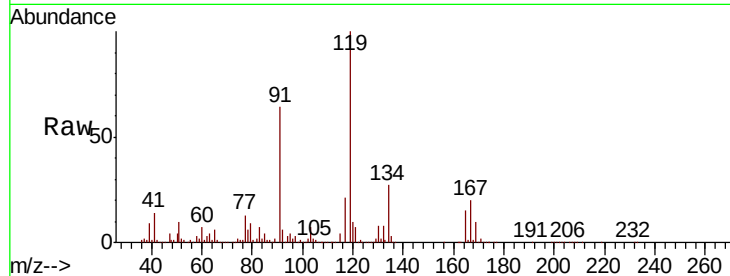
#83
 tert-Butylbenzene
 Concen: 114.31 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	30.3	91.0
134	27.2	11.6	34.8

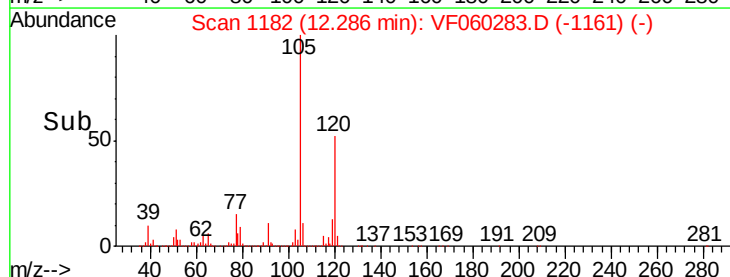
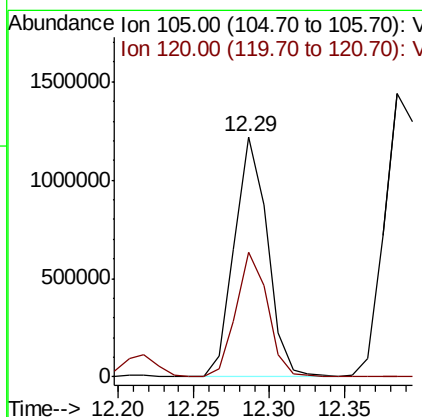
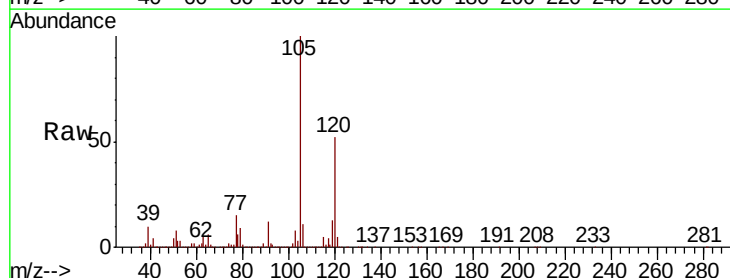
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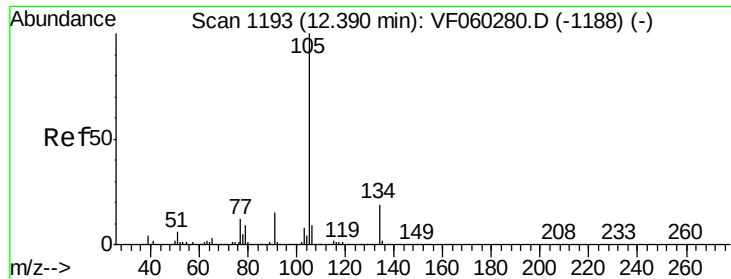
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#84
 1,2,4-Trimethylbenzene
 Concen: 116.61 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.1	22.4	67.0





#85

sec-Butylbenzene

Concen: 109.46 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2405115

Ion Ratio Lower Upper

105 100

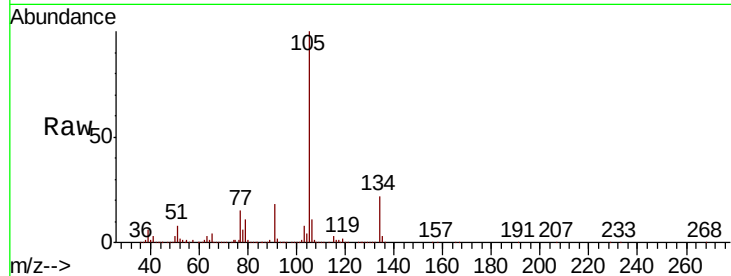
134 22.0 9.6 28.6

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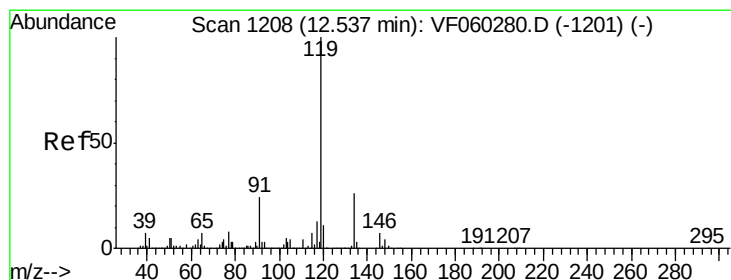
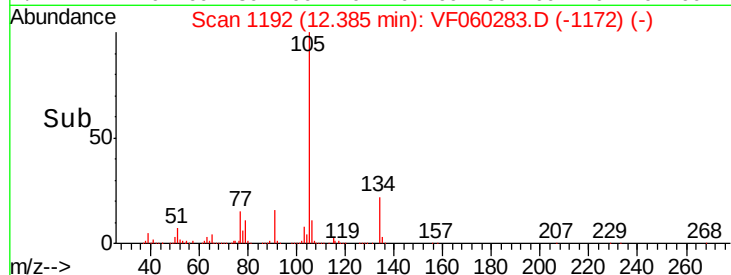
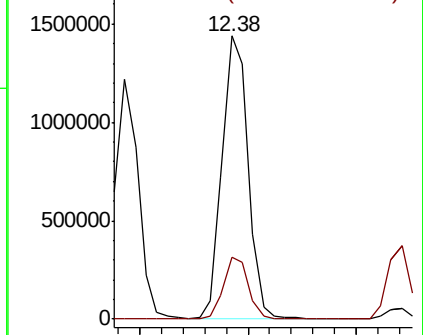
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 111.43 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

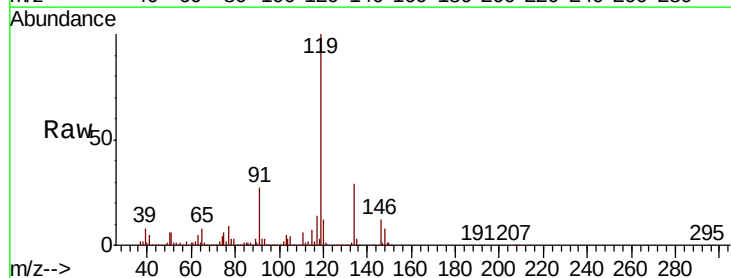
Tgt Ion:119 Resp: 1937433

Ion Ratio Lower Upper

119 100

134 29.2 12.9 38.7

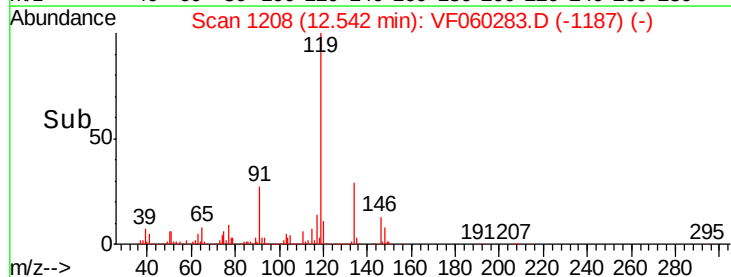
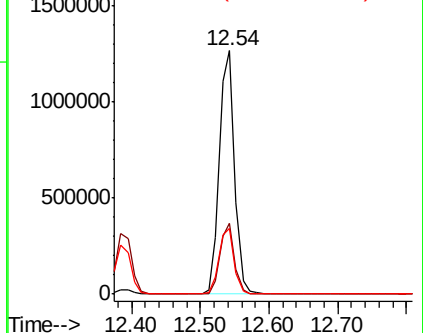
91 26.8 11.9 35.7

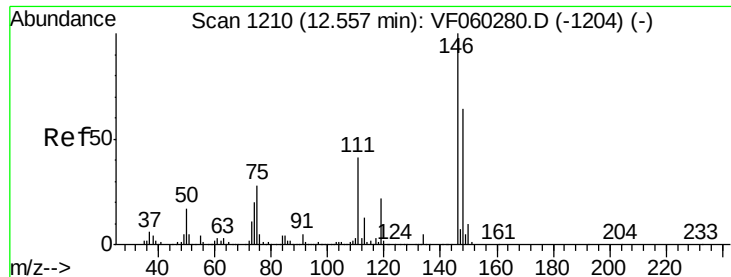


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





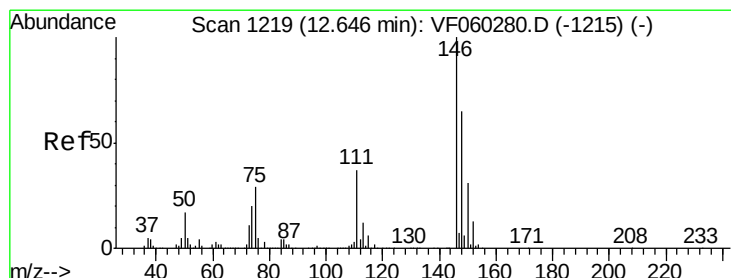
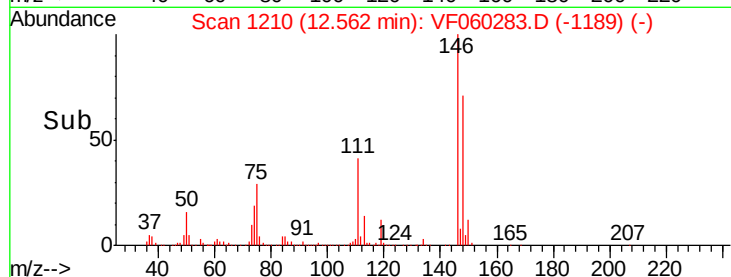
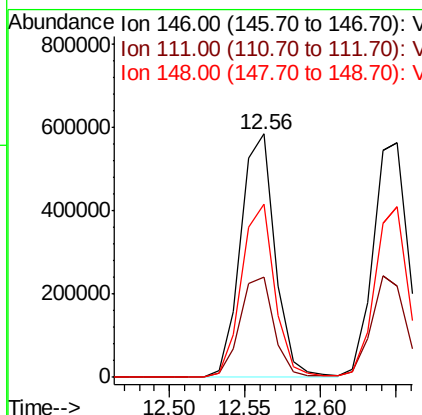
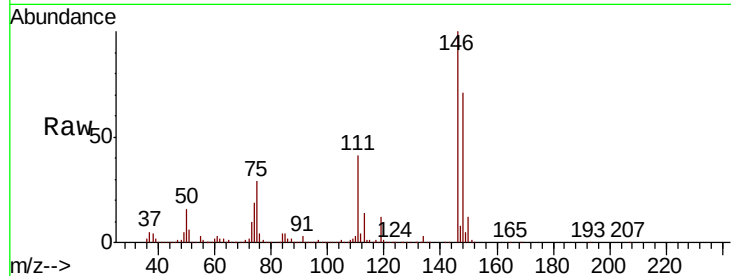
#87
 1,3-Dichlorobenzene
 Concen: 118.74 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.6
148	71.0	32.2	96.6

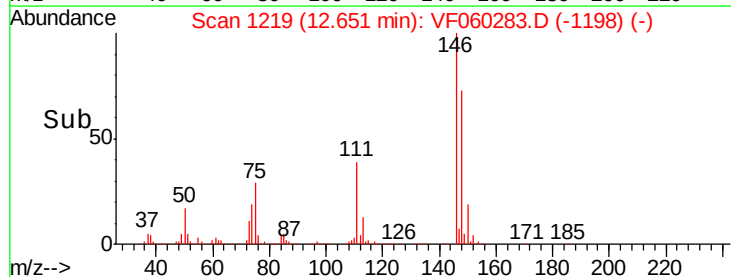
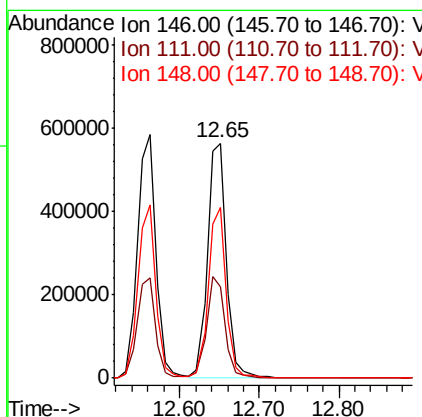
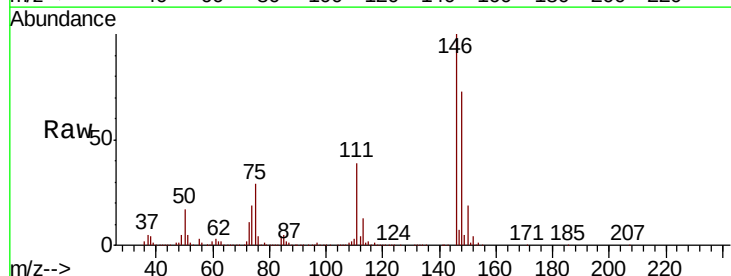
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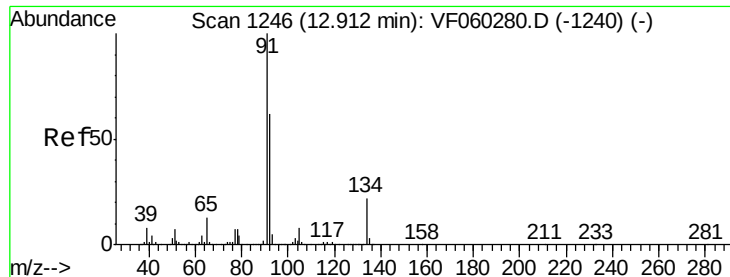
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#88
 1,4-Dichlorobenzene
 Concen: 121.16 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.7	56.1
148	72.9	32.4	97.0





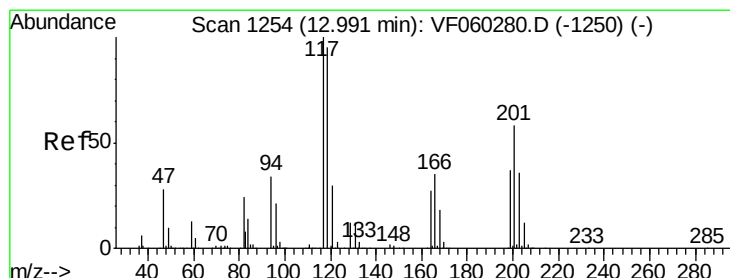
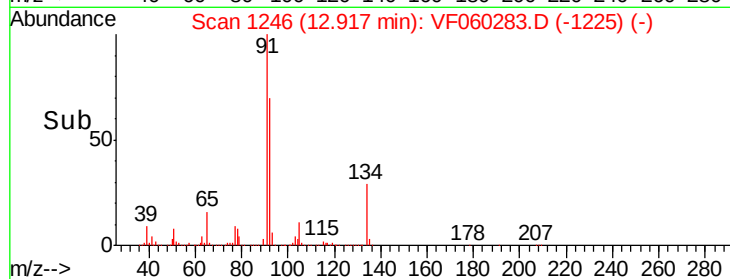
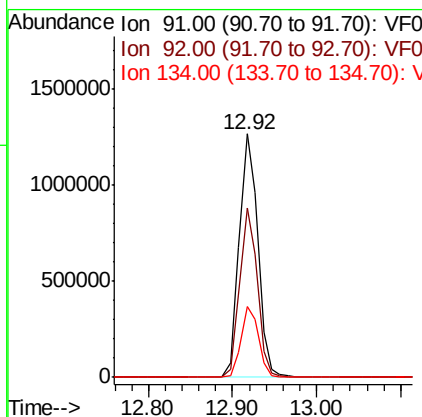
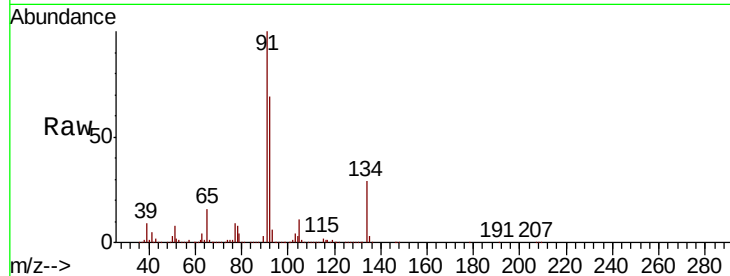
#89
n-Butylbenzene
Concen: 105.67 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	69.5	31.1	93.5
134	28.9	11.0	33.0

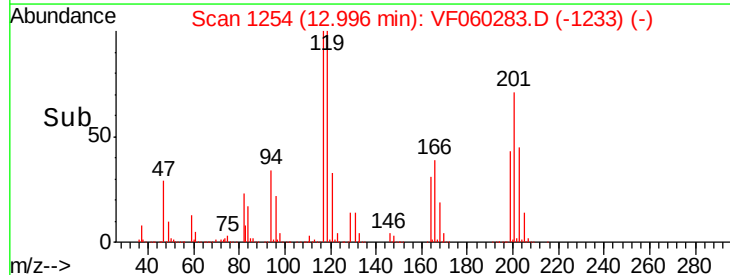
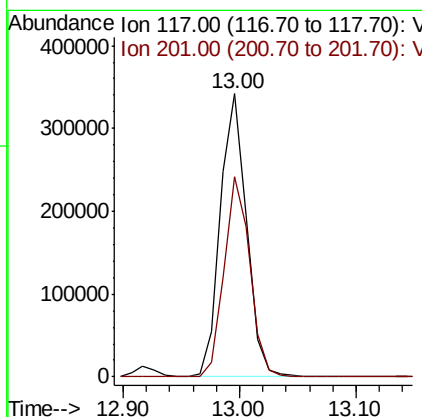
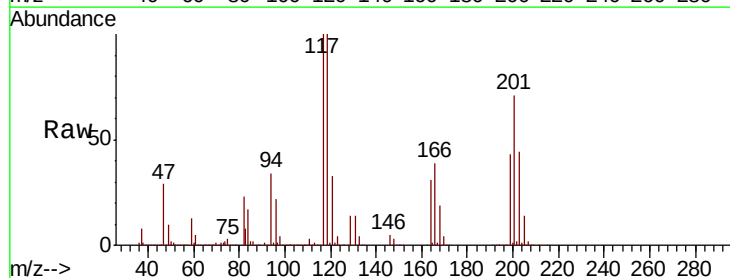
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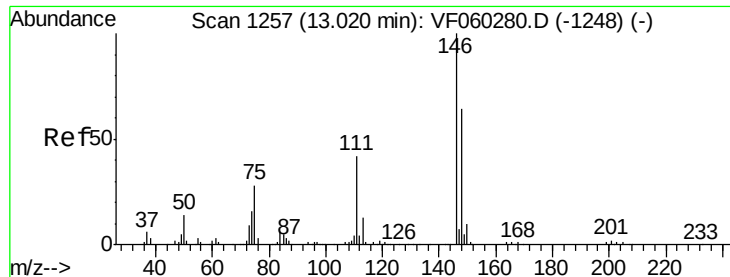
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#90
Hexachloroethane
Concen: 120.17 ug/l
RT: 13.00 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.7	29.0	87.0





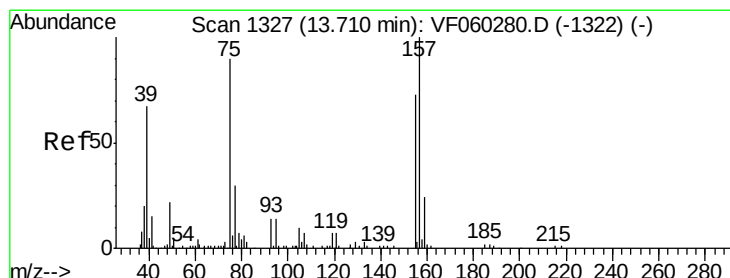
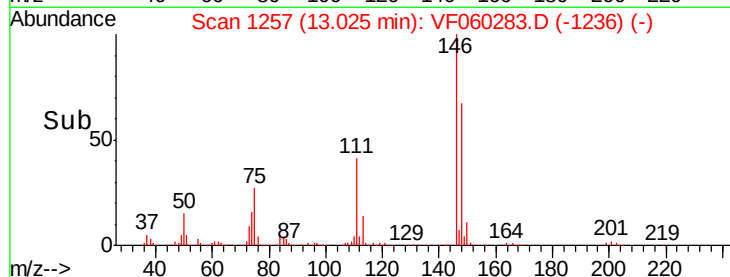
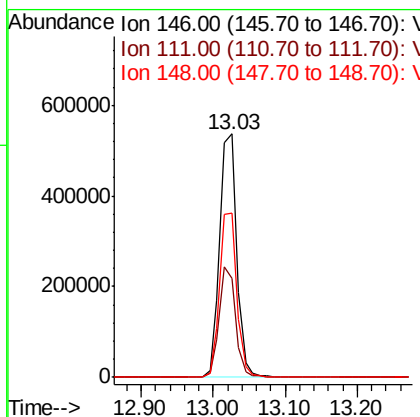
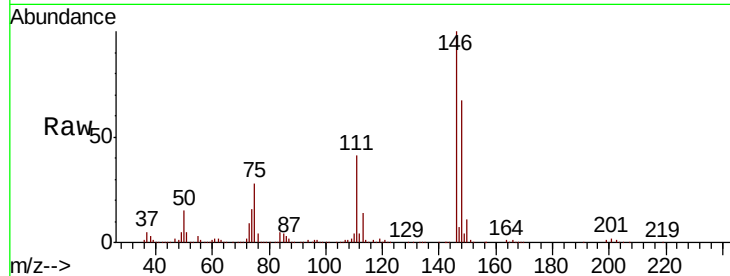
#91
 1,2-Dichlorobenzene
 Concen: 117.77 ug/l
 RT: 13.03 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.9	62.8
148	67.4	31.9	95.9

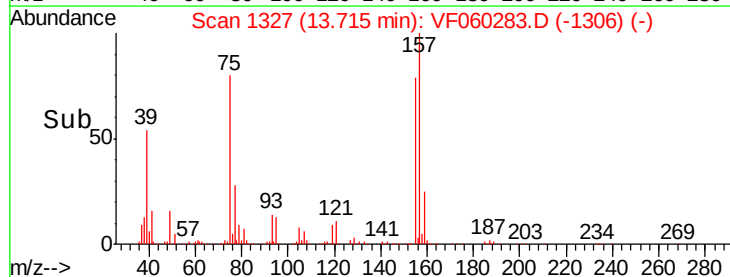
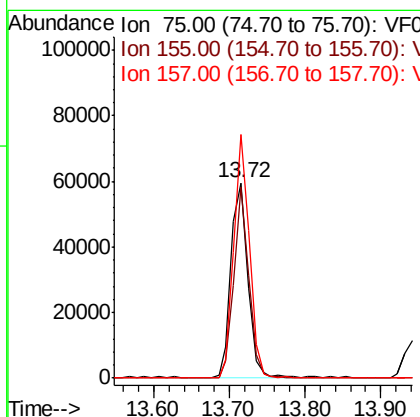
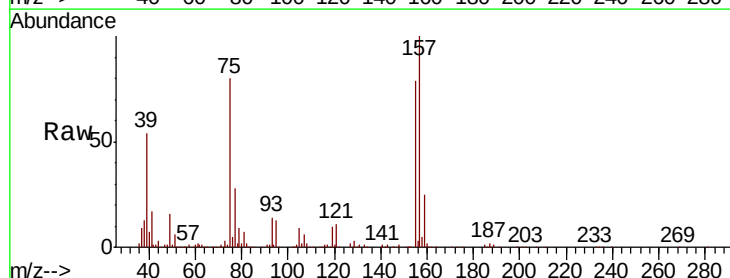
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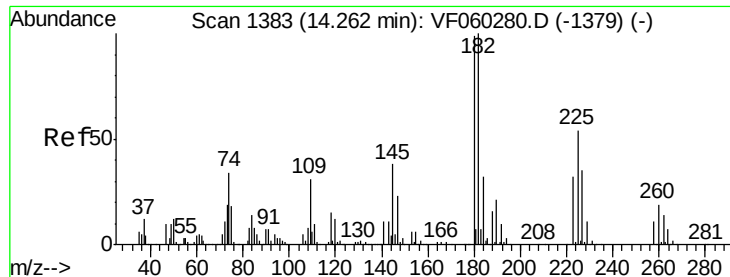
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 143.18 ug/l
 RT: 13.72 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.0	41.9	125.7
157	124.6	57.4	172.0





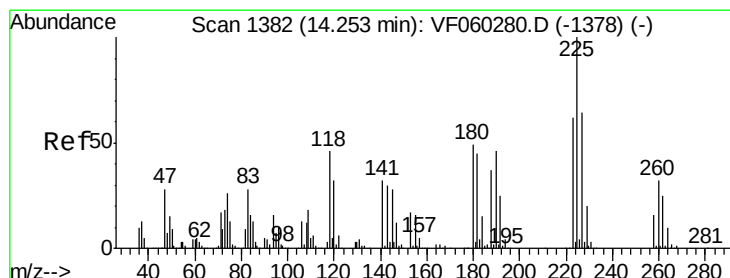
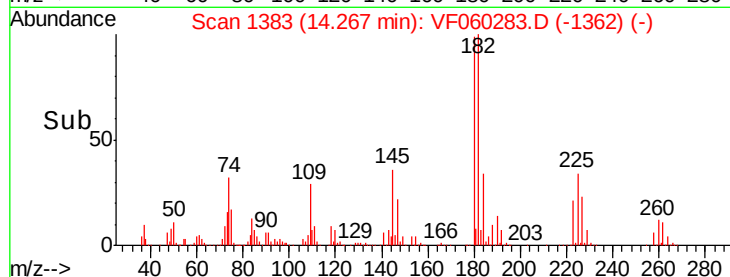
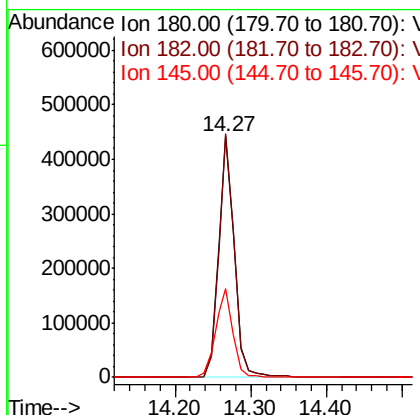
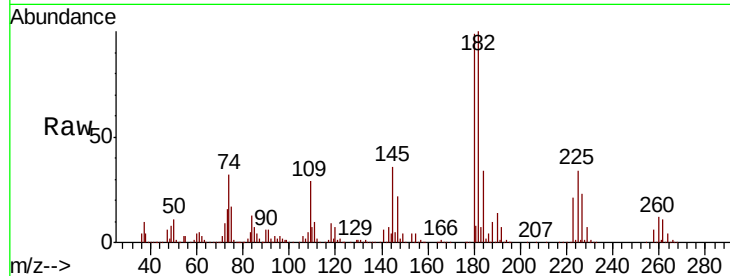
#93
 1,2,4-Trichlorobenzene
 Concen: 119.59 ug/l
 RT: 14.27 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	649418		
182	101.1	50.3	151.0	
145	36.8	18.9	56.9	

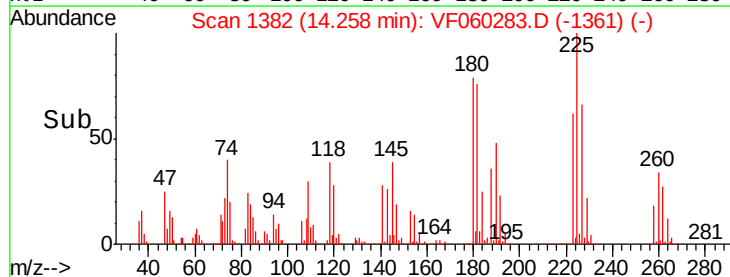
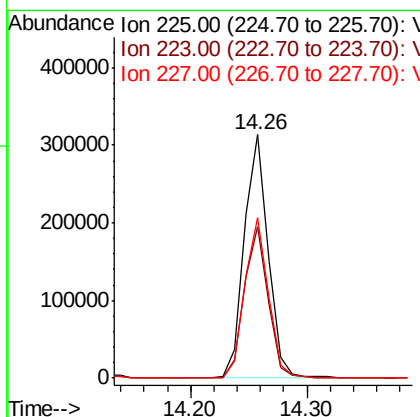
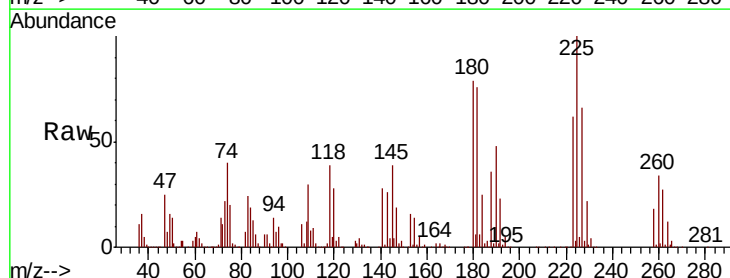
Manual Integrations
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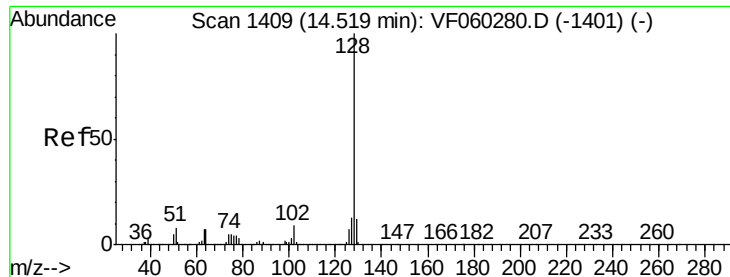
apatel
 9/20/2018 11:41:31 AM



#94
 Hexachlorobutadiene
 Concen: 121.38 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	445569		
223	62.1	31.2	93.6	
227	66.1	32.2	96.6	





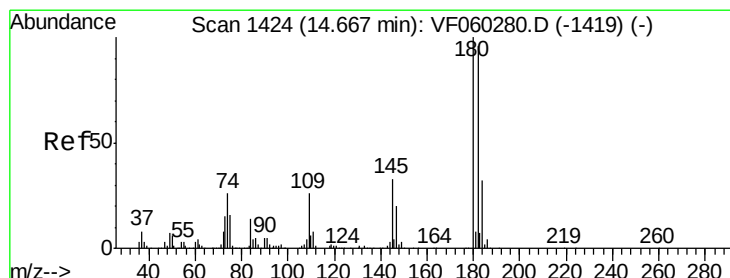
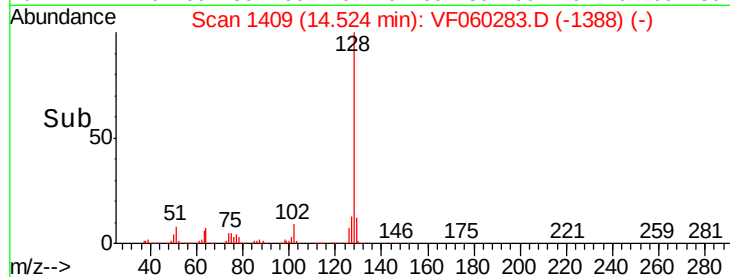
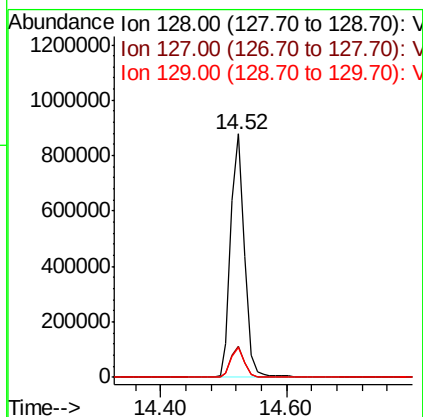
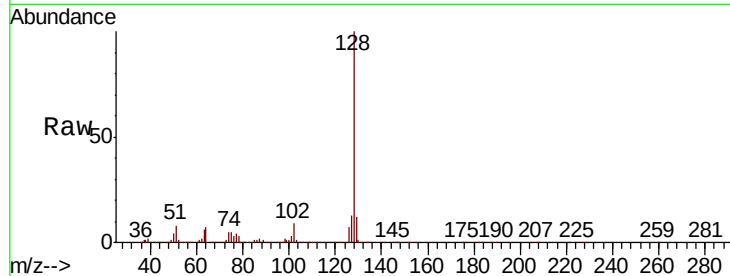
#95
Naphthalene
Concen: 139.04 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	12.2	9.8	14.8

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#96
1,2,3-Trichlorobenzene
Concen: 124.65 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.1	47.8	143.4
145	32.3	16.4	49.1

