

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060889.D
 Acq On : 3 Dec 2018 14:06
 Operator : VA/AP
 Sample : VF1203SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Manual Integrations
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 12/4/2018 2:47:19 PM

Quant Time: Dec 04 03:27:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	195419	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	316283	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	295158	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	164762	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.87	65	139846	60.75	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	121.50%	
35) Dibromofluoromethane	4.13	113	138741	55.29	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	110.58%	
50) Toluene-d8	7.57	98	403390	54.58	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.16%	
62) 4-Bromofluorobenzene	11.43	95	187132	55.71	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	111.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	65589	22.447	ug/l	97
3) Chloromethane	1.11	50	42247	22.220	ug/l	94
4) Vinyl Chloride	1.14	62	40833	23.024	ug/l	90
5) Bromomethane	1.33	94	25225	20.171	ug/l	97
6) Chloroethane	1.39	64	14785	19.285	ug/l	95
7) Trichlorofluoromethane	1.49	101	81968	21.541	ug/l	83
8) Diethyl Ether	1.64	74	12510	22.862	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.84	101	39088	20.319	ug/l	98
10) Methyl Iodide	1.91	142	60903	20.828	ug/l #	86
11) Tert butyl alcohol	2.59	59	13186	139.728	ug/l #	92
12) 1,1-Dichloroethene	1.79	96	30363	19.623	ug/l	92
13) Acrolein	2.02	56	7421	82.999	ug/l	90
14) Allyl chloride	2.11	41	38280	19.848	ug/l	95
15) Acrylonitrile	2.97	53	25239	119.295	ug/l	90
16) Acetone	2.26	43	55333	130.342	ug/l #	90
17) Carbon Disulfide	1.84	76	82380	19.856	ug/l	100
18) Methyl Acetate	2.36	43	20421	27.944	ug/l	97
19) Methyl tert-butyl Ether	2.44	73	80350	23.056	ug/l	92
20) Methylene Chloride	2.26	84	32294m	20.736	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	31550m	21.150	ug/l	
22) Diisopropyl ether	2.82	45	116879	22.264	ug/l	97
23) Vinyl Acetate	3.20	43	302975	126.256	ug/l	98
24) 1,1-Dichloroethane	2.89	63	66019	21.137	ug/l	97
25) 2-Butanone	4.36	43	88761	120.883	ug/l	97
26) 2,2-Dichloropropane	3.62	77	42828	21.151	ug/l	99
27) cis-1,2-Dichloroethene	3.50	96	54125	22.287	ug/l	91
28) Bromochloromethane	3.73	49	36566	24.394	ug/l	96
29) Tetrahydrofuran	4.10	42	36349	116.785	ug/l	97
30) Chloroform	3.88	83	106835	22.225	ug/l	93
31) Cyclohexane	3.71	56	69533	21.451	ug/l #	91
32) 1,1,1-Trichloroethane	4.12	97	60827	18.246	ug/l	95
36) 1,1-Dichloropropene	4.30	75	75949	21.650	ug/l	97
37) Ethyl Acetate	4.13	43	35730	25.063	ug/l #	85
38) Carbon Tetrachloride	4.01	117	66330	21.407	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	74560	20.281	ug/l	92
40) Benzene	4.65	78	173701	22.413	ug/l	95
41) Methacrylonitrile	4.77	41	18531	23.012	ug/l #	87
42) 1,2-Dichloroethane	4.96	62	64469	22.785	ug/l	94
43) Isopropyl Acetate	6.98	43	45055	24.212	ug/l #	98
44) Trichloroethene	5.52	130	56028	22.110	ug/l	96
45) 1,2-Dichloropropane	6.26	63	46698	23.200	ug/l	90
46) Dibromomethane	6.11	93	32806	24.026	ug/l	96
47) Bromodichloromethane	6.41	83	80782	22.275	ug/l	97
48) Methyl methacrylate	6.73	41	28189	21.845	ug/l	91
49) 1,4-Dioxane	6.72	88	4132	437.519	ug/l #	68
51) 4-Methyl-2-Pentanone	8.27	43	162075	123.285	ug/l	93
52) Toluene	7.64	92	114422	21.019	ug/l	92
53) t-1,3-Dichloropropene	8.30	75	69036	23.403	ug/l	94
54) cis-1,3-Dichloropropene	7.33	75	84739	23.204	ug/l	98
55) 1,1,2-Trichloroethane	8.51	97	37505	23.644	ug/l	97
56) Ethyl methacrylate	8.64	69	42902	24.347	ug/l	90
57) 1,3-Dichloropropane	8.87	76	63923	23.033	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.32	63	21447	118.991	ug/l	100
59) 2-Hexanone	9.52	43	128640	139.478	ug/l	99
60) Dibromochloromethane	8.74	129	51760	21.900	ug/l	97
61) 1,2-Dibromoethane	9.01	107	39082	22.807	ug/l	99
64) Tetrachloroethene	8.17	164	46208	20.497	ug/l	97
65) Chlorobenzene	9.82	112	127058	22.128	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.95	131	54419	22.046	ug/l	99
67) Ethyl Benzene	9.92	91	242578	22.693	ug/l	98
68) m/p-Xylenes	10.16	106	165730	43.106	ug/l	96
69) o-Xylene	10.73	106	93663	22.092	ug/l	83
70) Styrene	10.81	104	134691	22.918	ug/l	98
71) Bromoform	10.79	173	28142	23.602	ug/l #	93
73) Isopropylbenzene	11.14	105	282401	21.689	ug/l	100
74) N-amyl acetate	11.39	43	71023	23.622	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.72	83	50695	23.657	ug/l	100
76) 1,2,3-Trichloropropane	11.81	75	35767	22.963	ug/l	92
77) Bromobenzene	11.51	156	60819	21.306	ug/l	75
78) n-propylbenzene	11.61	91	326560	21.417	ug/l	97
79) 2-Chlorotoluene	11.73	91	184490	21.102	ug/l	97
80) 1,3,5-Trimethylbenzene	11.84	105	223942	21.186	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.88	75	18170m	23.809	ug/l	
82) 4-Chlorotoluene	11.91	91	199571	21.690	ug/l	97
83) tert-Butylbenzene	12.15	119	234921	21.818	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	225627	21.388	ug/l	95
85) sec-Butylbenzene	12.32	105	306856	20.819	ug/l	98
86) p-Isopropyltoluene	12.47	119	247789	20.052	ug/l	97
87) 1,3-Dichlorobenzene	12.49	146	112018	20.630	ug/l	96
88) 1,4-Dichlorobenzene	12.58	146	111813	21.131	ug/l	98
89) n-Butylbenzene	12.86	91	264485	21.167	ug/l	97
90) Hexachloroethane	12.93	117	64119	21.547	ug/l	98
91) 1,2-Dichlorobenzene	12.96	146	114835	22.333	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	8985	21.687	ug/l	90

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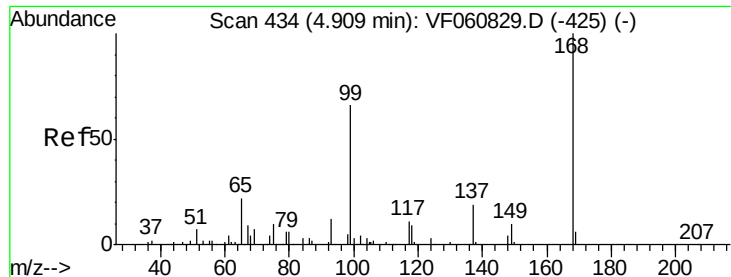
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	83539	23.252	ug/l	95
94) Hexachlorobutadiene	14.20	225	49880	20.826	ug/l	96
95) Naphthalene	14.47	128	152790	19.797	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	76248	22.856	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion:168 Resp: 195419

Ion Ratio Lower Upper

168 100

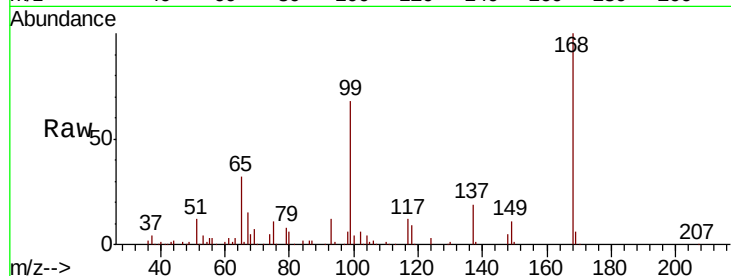
99 67.9 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

60000

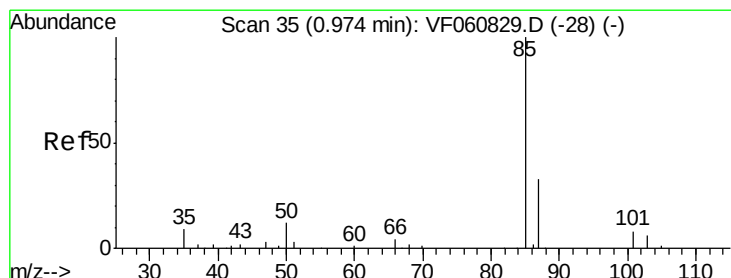
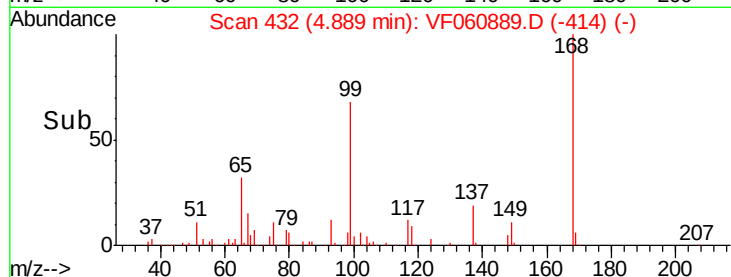
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 22.447 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060889.D

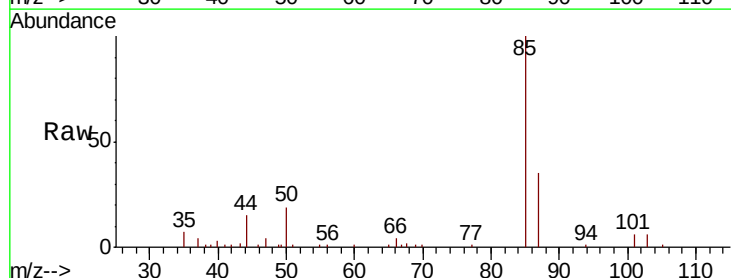
Acq: 3 Dec 2018 14:06

Tgt Ion: 85 Resp: 65589

Ion Ratio Lower Upper

85 100

87 34.8 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

20000

15000

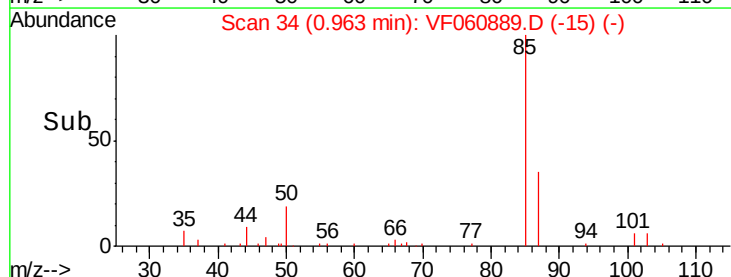
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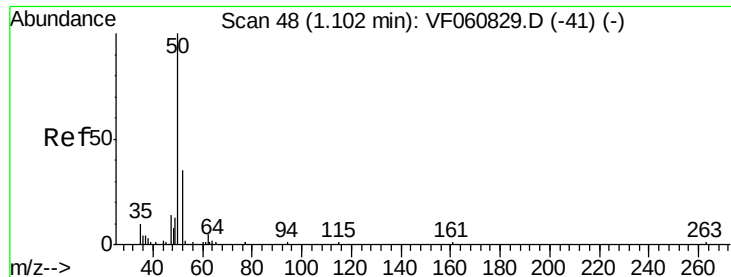
5000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 22.220 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 50 Resp: 42247

Ion Ratio Lower Upper

50 100

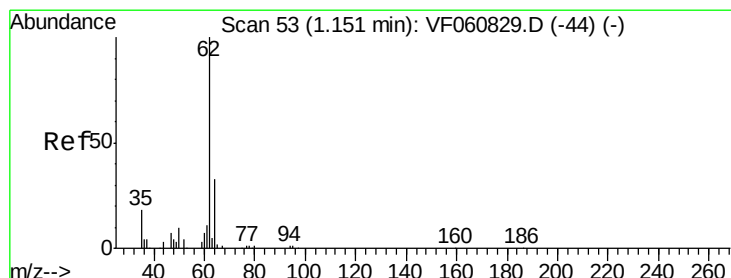
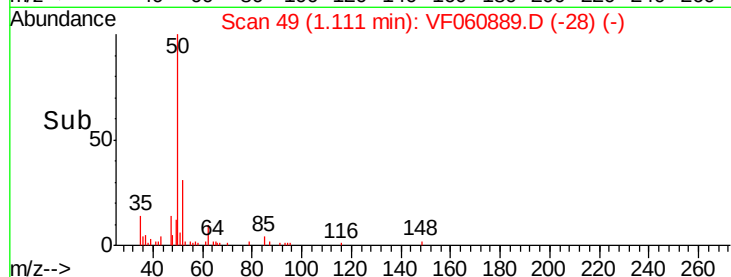
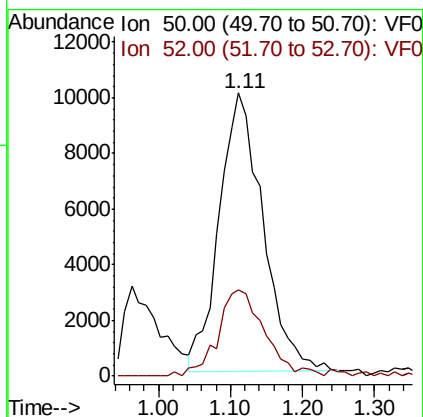
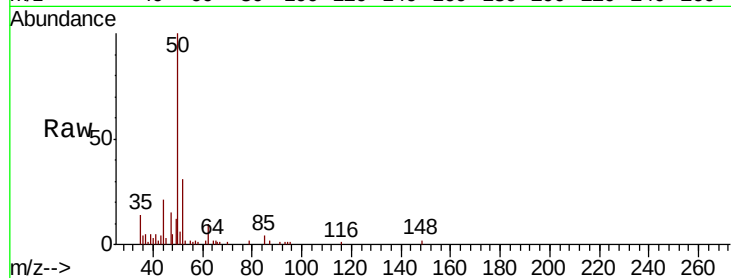
52 30.5 27.0 40.4

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#4

Vinyl Chloride

Concen: 23.024 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060889.D

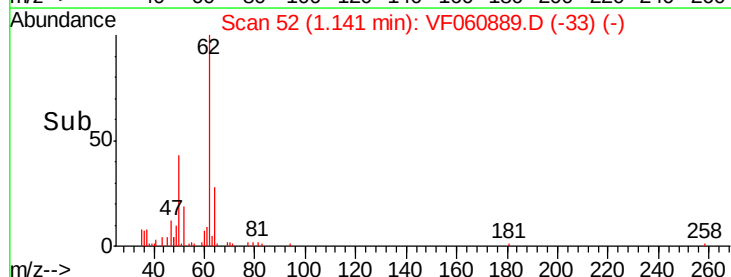
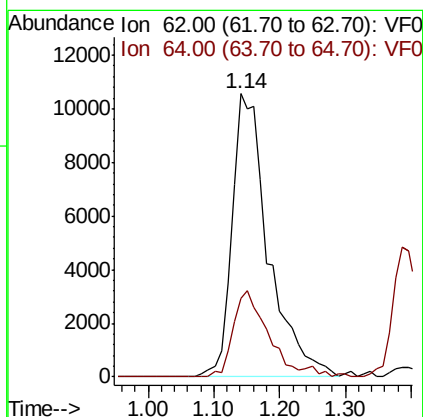
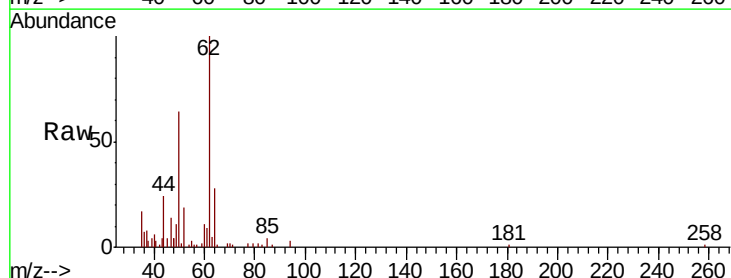
Acq: 3 Dec 2018 14:06

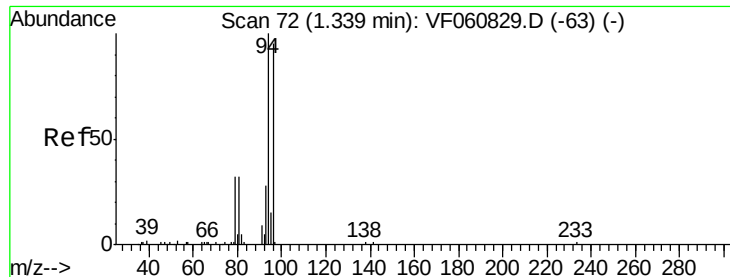
Tgt Ion: 62 Resp: 40833

Ion Ratio Lower Upper

62 100

64 27.6 26.4 39.6





#5

Bromomethane

Concen: 20.171 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 94 Resp: 25225

Ion Ratio Lower Upper

94 100

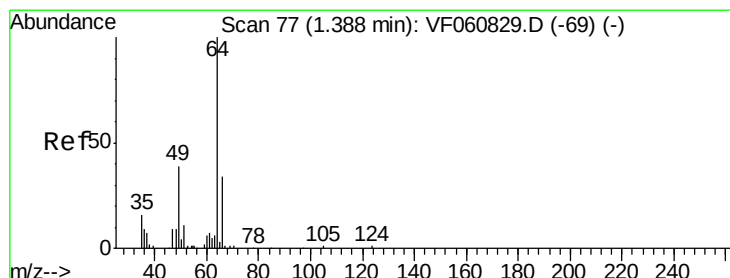
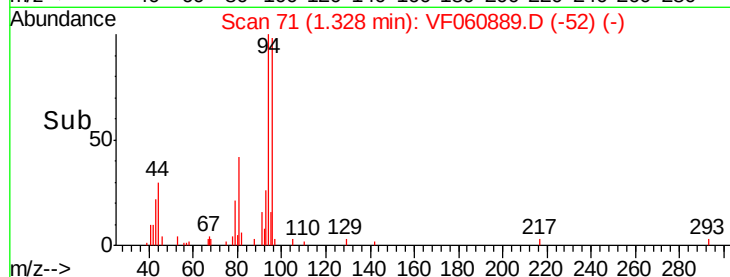
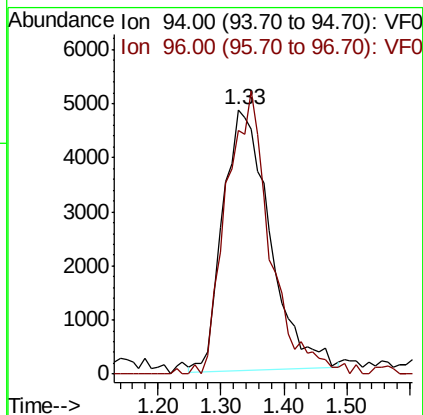
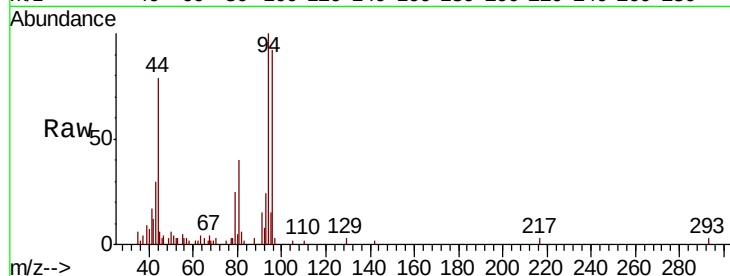
96 92.4 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 19.285 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF060889.D

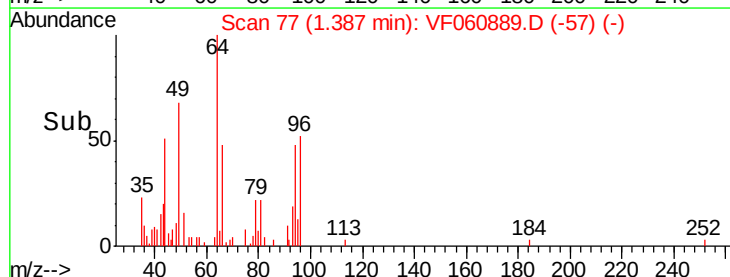
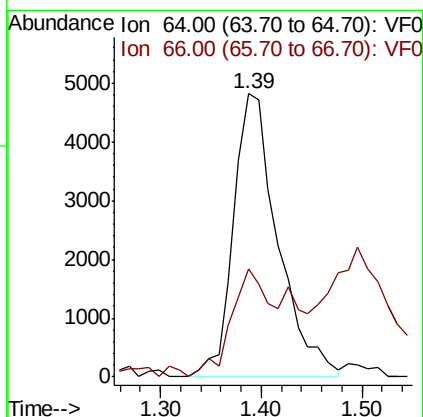
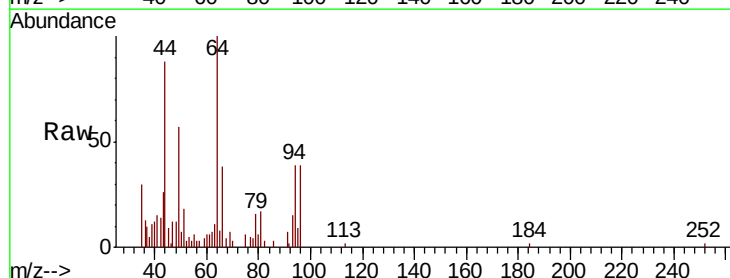
Acq: 3 Dec 2018 14:06

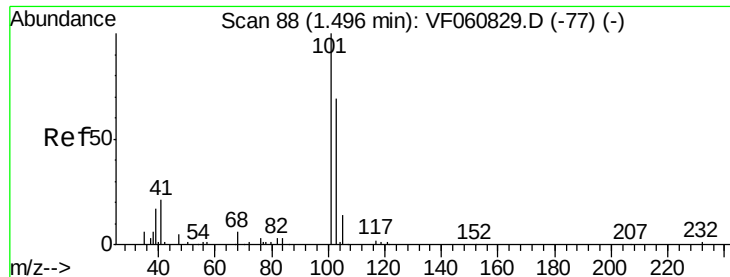
Tgt Ion: 64 Resp: 14785

Ion Ratio Lower Upper

64 100

66 38.0 28.1 42.1





#7

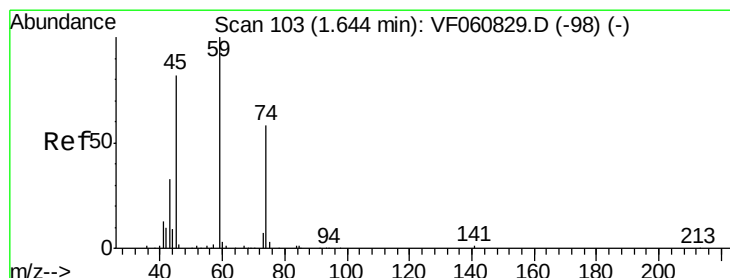
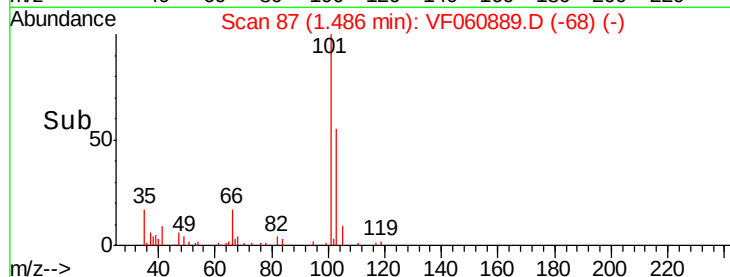
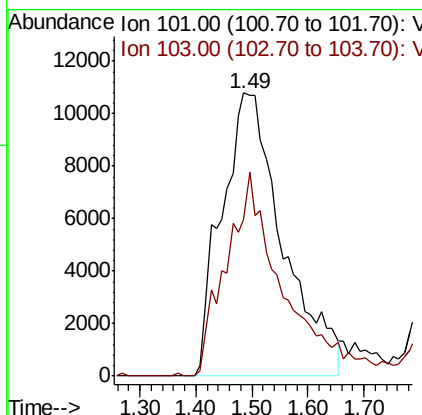
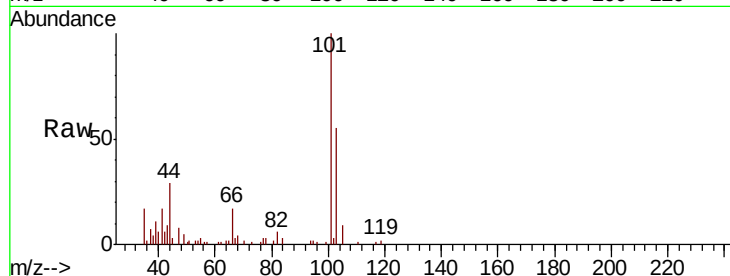
Trichlorofluoromethane
Concen: 21.541 ug/l
RT: 1.49 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
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ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	55.4	55.4	83.0

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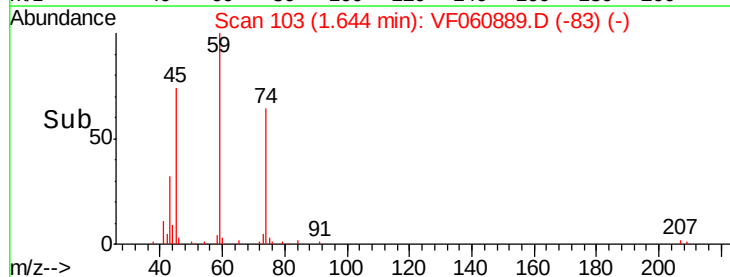
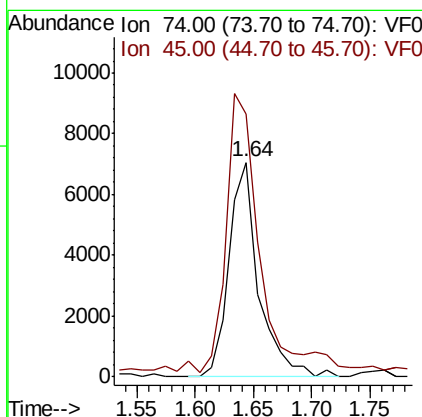
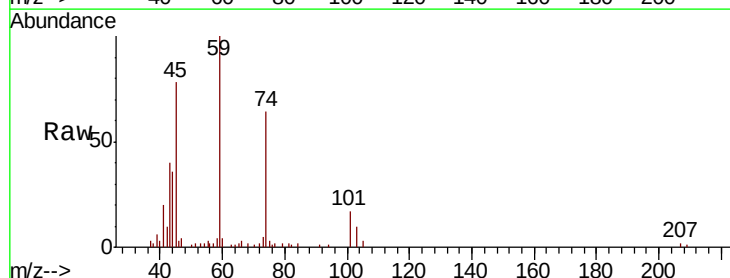
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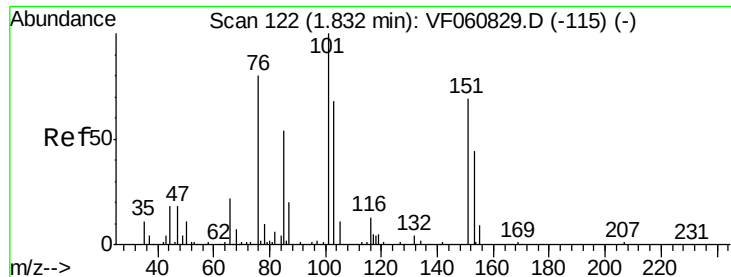


#8

Diethyl Ether
Concen: 22.862 ug/l
RT: 1.64 min Scan# 103
Delta R.T. -0.00 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.2	71.0	212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.319 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

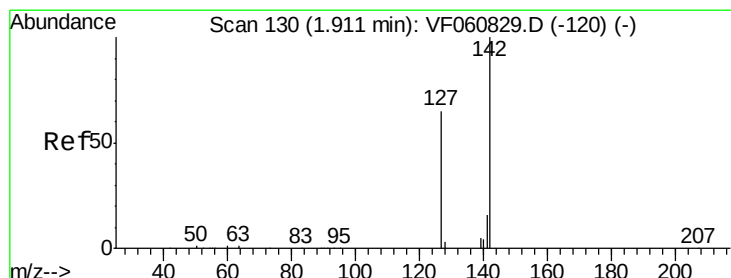
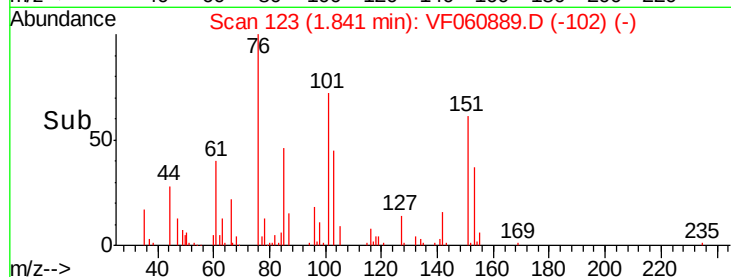
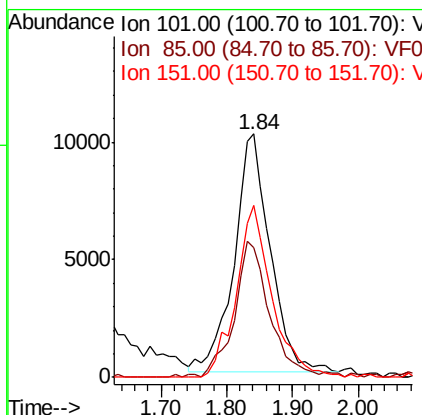
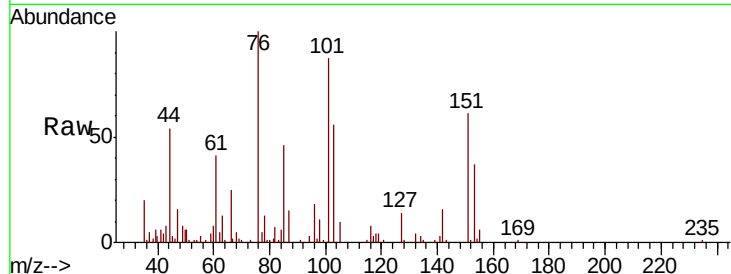
ClientSampleId :

VF1203SBS01

Tot Ion:	101	Resp:	39088
Ion Ratio	Lower	Upper	
101	100		
85	53.2	42.8	64.2
151	70.4	54.4	81.6

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#10

Methyl Iodide

Concen: 20.828 ug/l

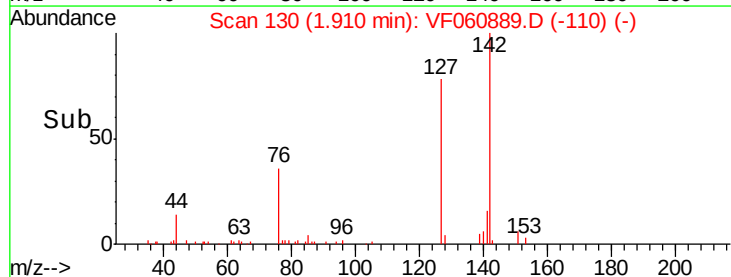
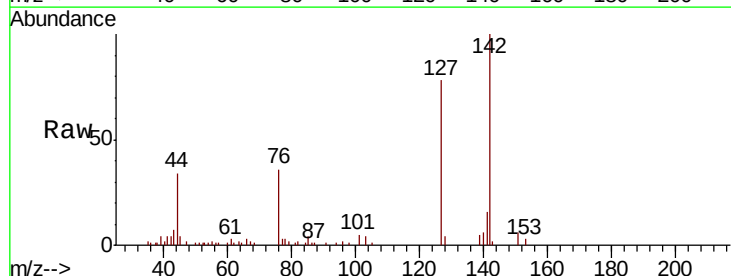
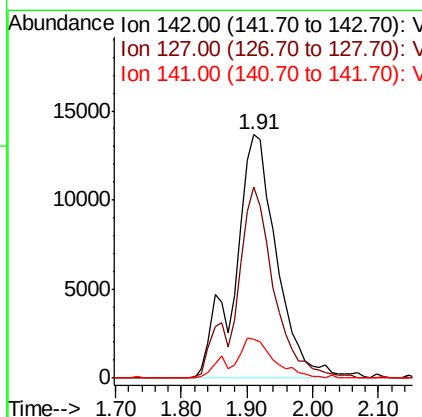
RT: 1.91 min Scan# 130

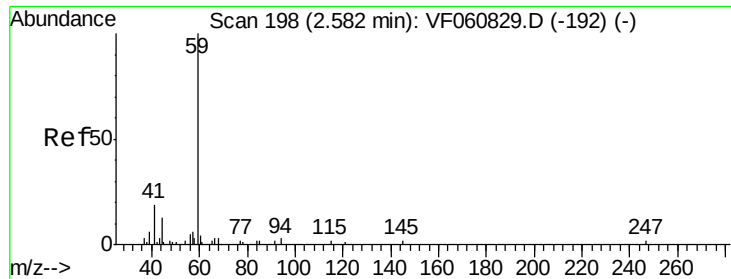
Delta R.T. -0.00 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Tgt Ion:	142	Resp:	60903
Ion Ratio	Lower	Upper	
142	100		
127	78.3	51.9	77.9#
141	16.0	12.7	19.1





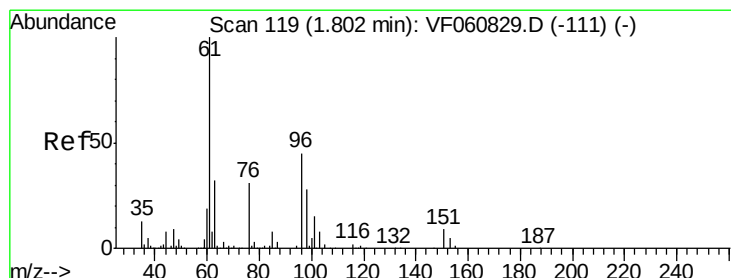
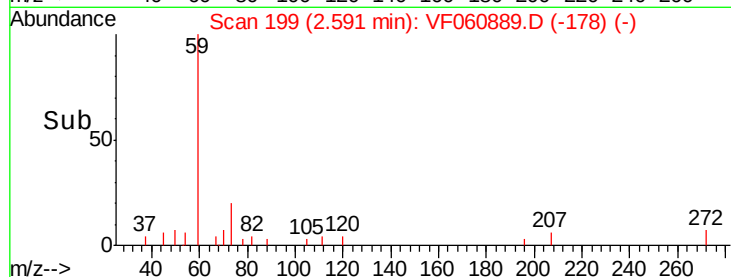
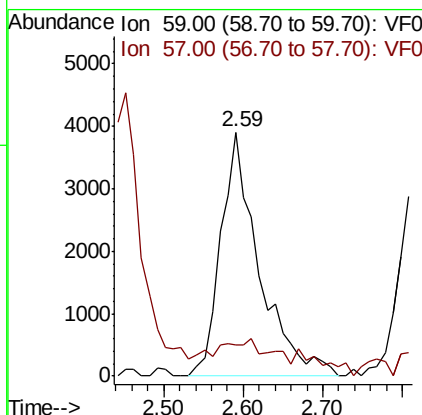
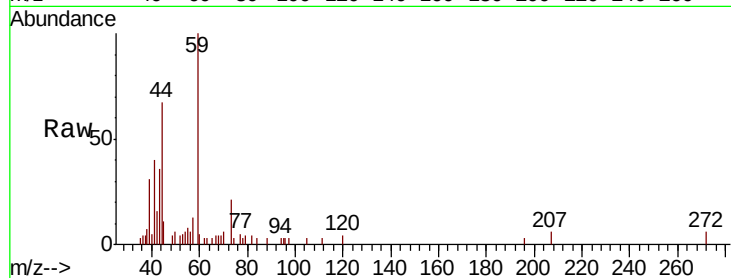
#11
Tert butyl alcohol
Concen: 139.728 ug/l
RT: 2.59 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion: 59 Resp: 13186
Ion Ratio Lower Upper
59 100
57 12.7 12.7 19.1#

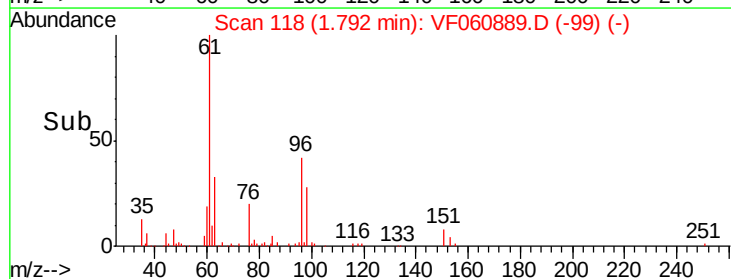
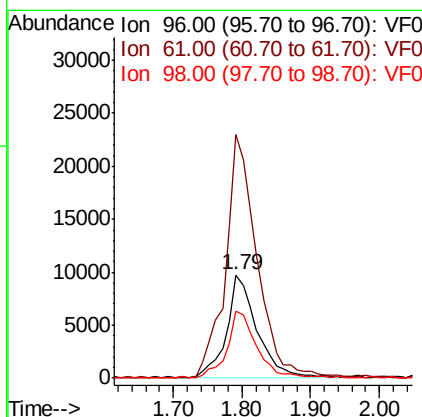
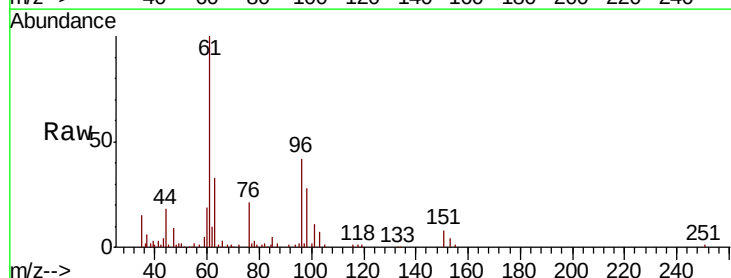
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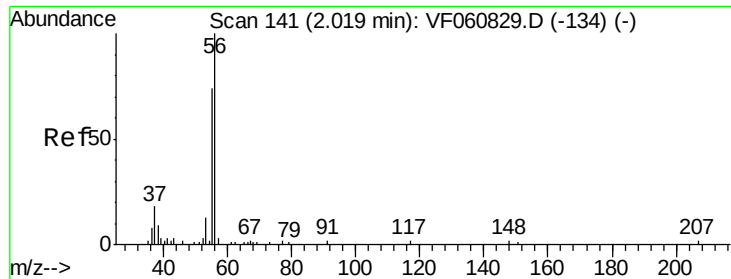
apatel
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#12
1,1-Dichloroethene
Concen: 19.623 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion: 96 Resp: 30363
Ion Ratio Lower Upper
96 100
61 236.5 177.3 265.9
98 65.5 49.6 74.4





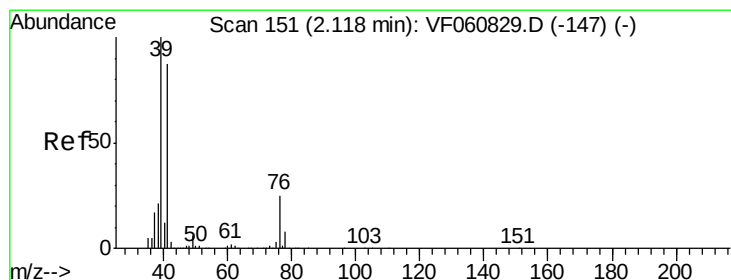
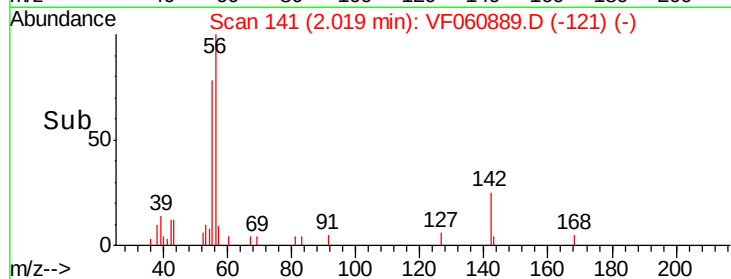
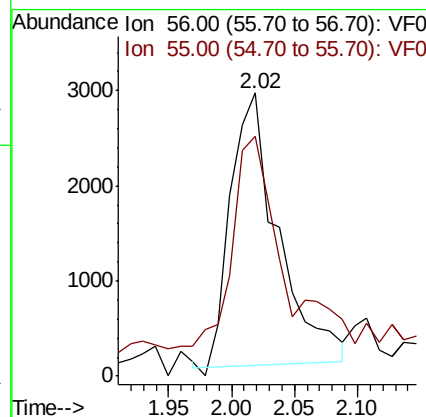
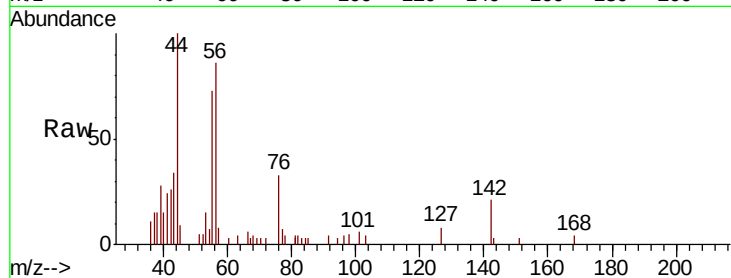
#13
Acrolein
Concen: 82.999 ug/l
RT: 2.02 min Scan# 141
Delta R.T. -0.00 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	56	Resp	7421
Ion Ratio	100	Lower	Upper
55	84.9	61.2	91.8

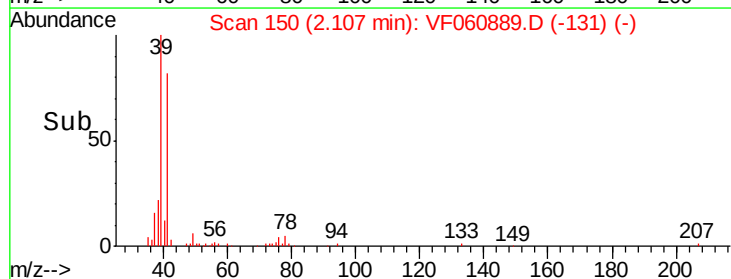
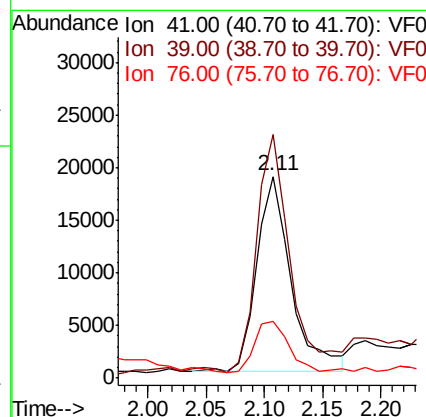
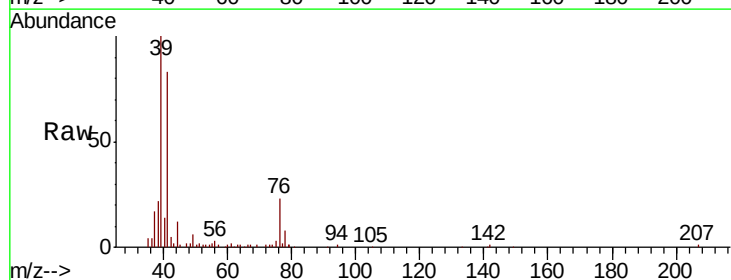
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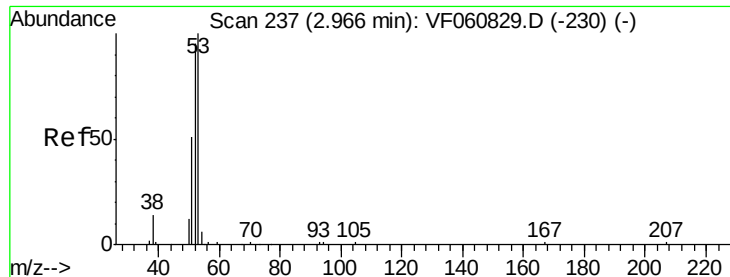
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#14
Allyl chloride
Concen: 19.848 ug/l
RT: 2.11 min Scan# 150
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion	41	Resp	38280
Ion Ratio	100	Lower	Upper
39	120.8	91.7	137.5
76	28.2	23.5	35.3





#15

Acrylonitrile

Concen: 119.295 ug/l

RT: 2.97 min Scan# 237

Delta R.T. -0.00 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

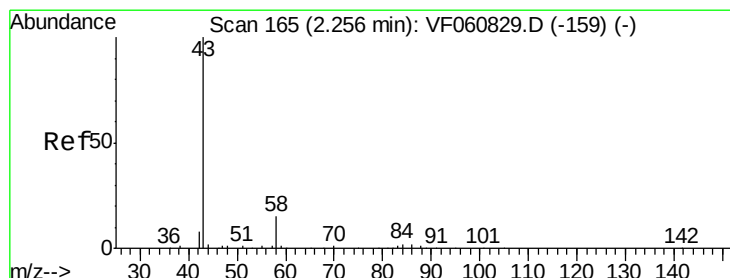
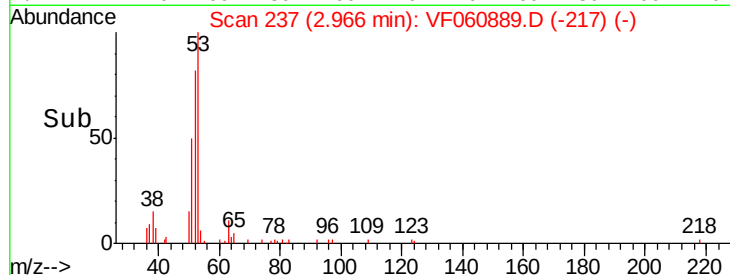
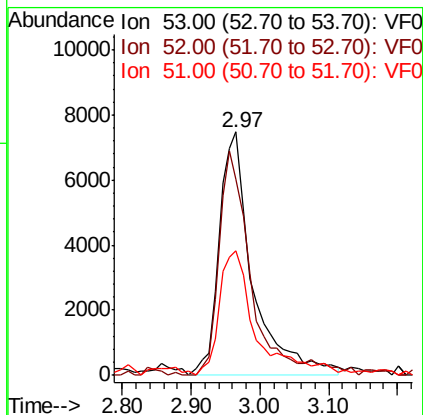
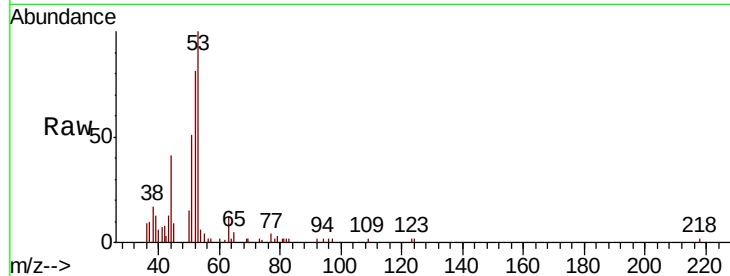
ClientSampleId :

VF1203SBS01

Tot Ion:	53	Resp:	25239
Ion	Ratio	Lower	Upper
53	100		
52	80.6	76.5	114.7
51	51.0	40.7	61.1

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#16

Acetone

Concen: 130.342 ug/l

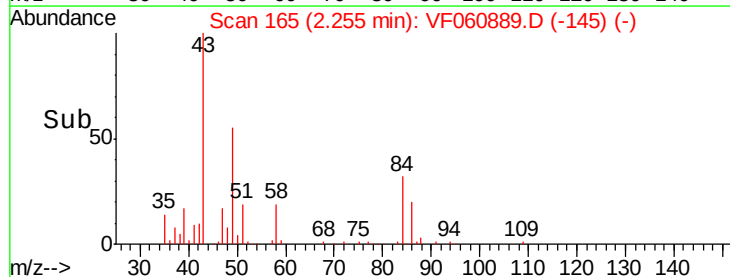
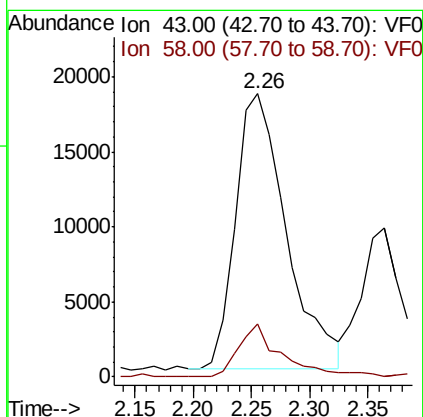
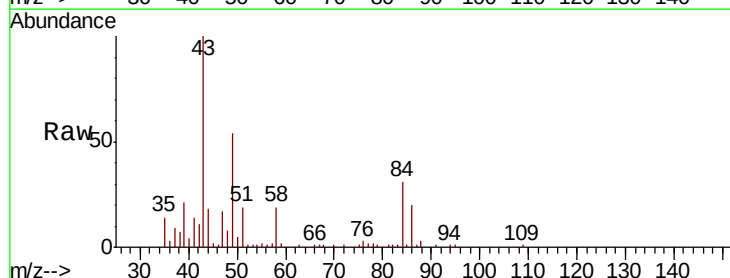
RT: 2.26 min Scan# 165

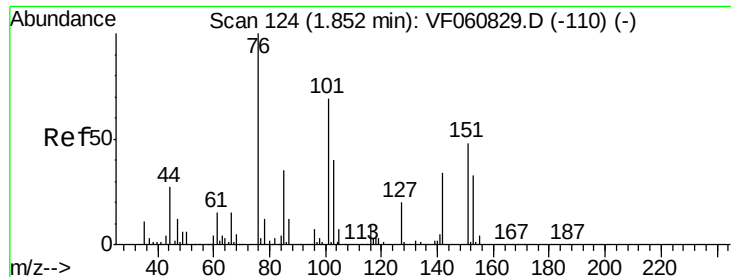
Delta R.T. -0.00 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Tgt Ion:	43	Resp:	55333
Ion	Ratio	Lower	Upper
43	100		
58	18.6	11.4	17.2#





#17

Carbon Disulfide

Concen: 19.856 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 76 Resp: 82380

Ion Ratio Lower Upper

76 100

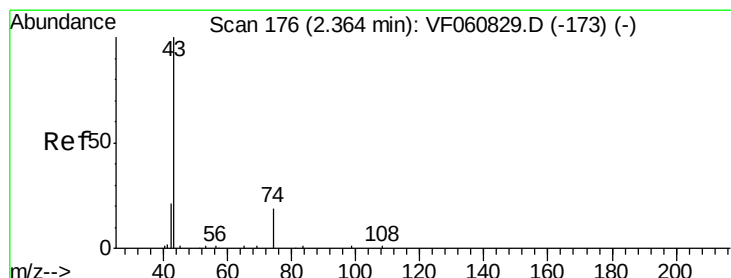
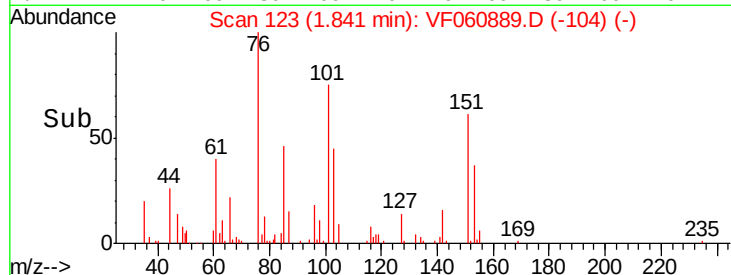
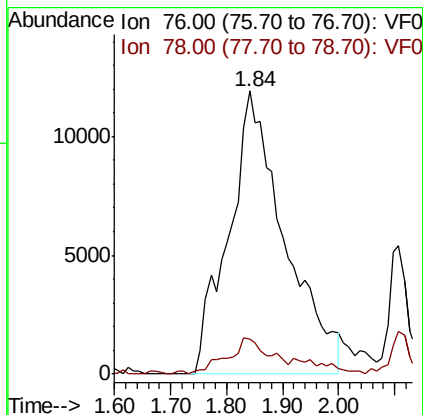
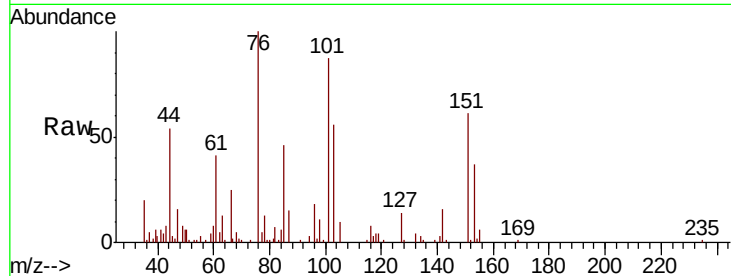
78 12.5 10.2 15.2

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#18

Methyl Acetate

Concen: 27.944 ug/l

RT: 2.36 min Scan# 176

Delta R.T. -0.00 min

Lab File: VF060889.D

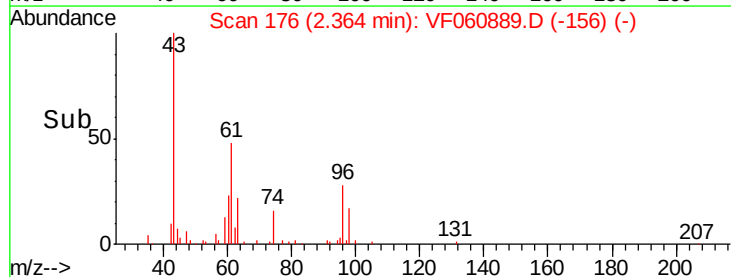
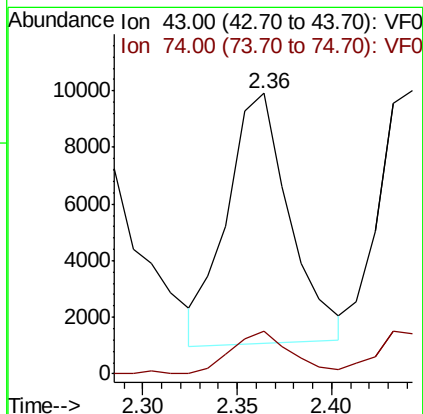
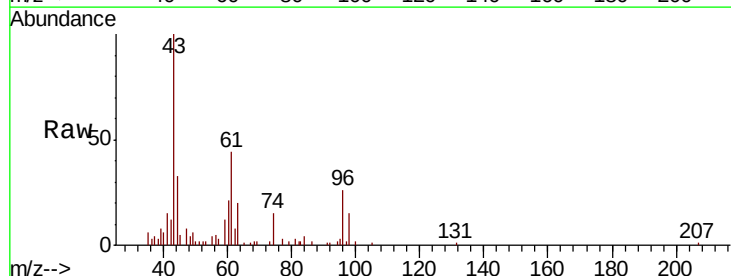
Acq: 3 Dec 2018 14:06

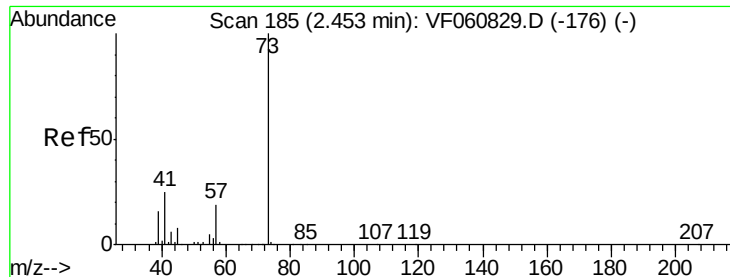
Tgt Ion: 43 Resp: 20421

Ion Ratio Lower Upper

43 100

74 15.1 13.3 19.9





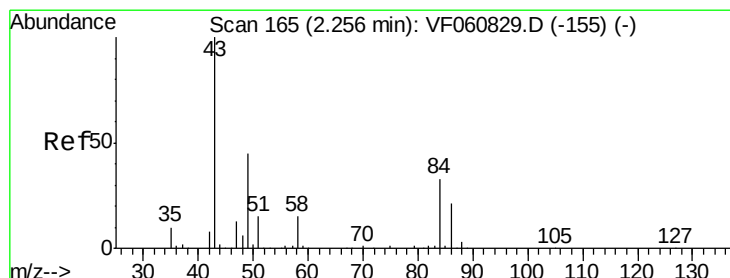
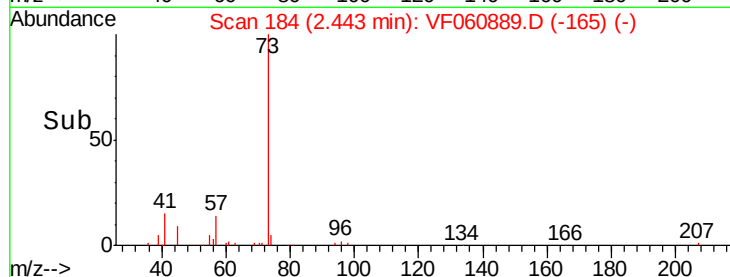
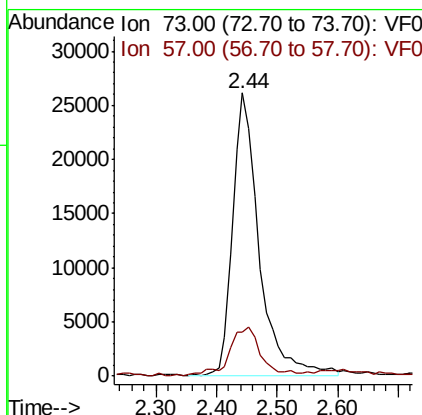
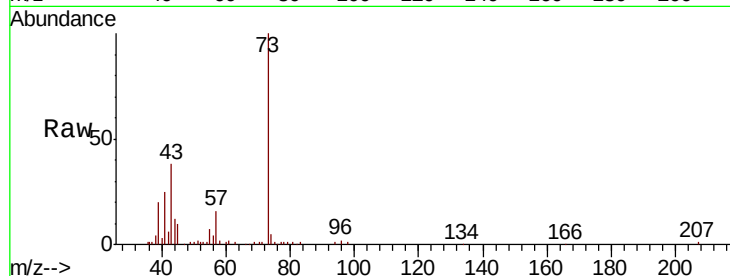
#19
Methyl tert-butyl Ether
Concen: 23.056 ug/l
RT: 2.44 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	73	Resp	80350
Ion Ratio	100	Lower	Upper
73	100	15.3	22.9
57	15.6		

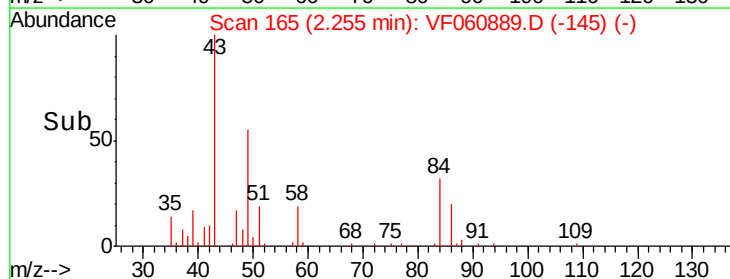
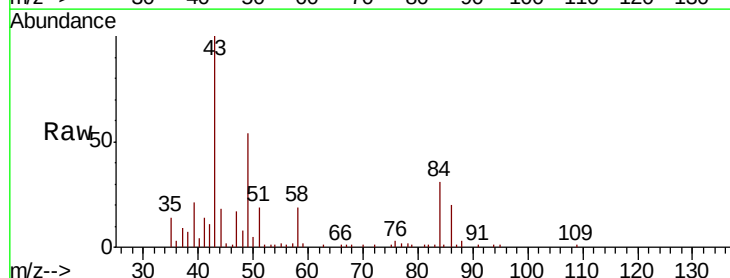
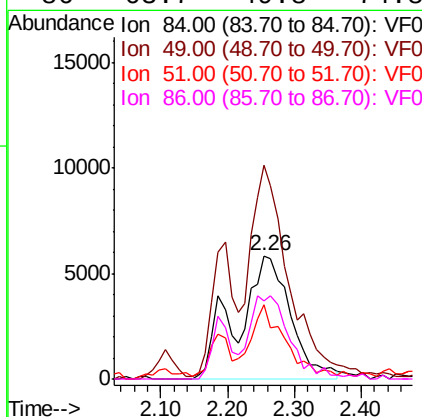
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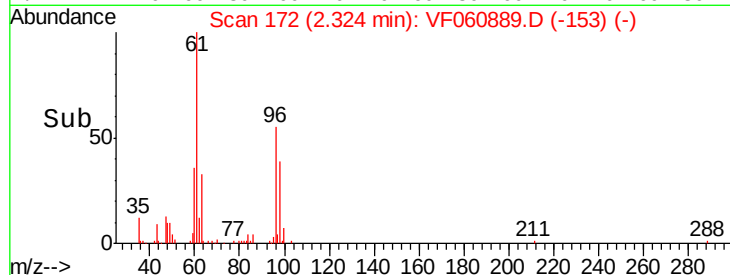
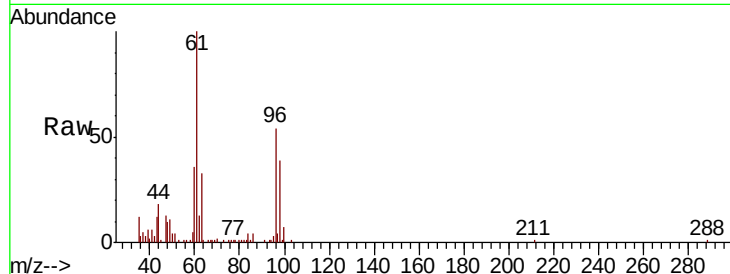
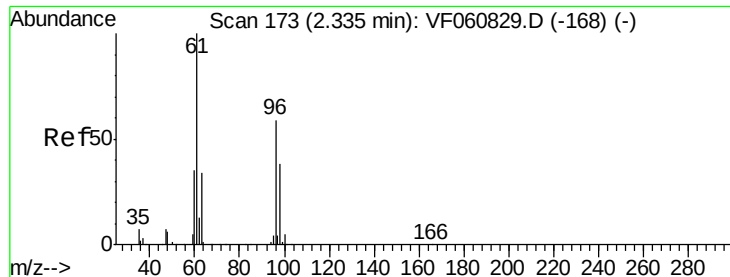
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#20
Methylene Chloride
Concen: 20.736 ug/l m
RT: 2.26 min Scan# 165
Delta R.T. -0.00 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion	84	Resp	32294
Ion Ratio	100	Lower	Upper
84	100	111.3	166.9#
49	173.8	38.0	57.0#
51	60.9	49.8	74.8
86	63.7		





#21

trans-1,2-Dichloroethene

Concen: 21.150 ug/l m

RT: 2.32 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060889.D

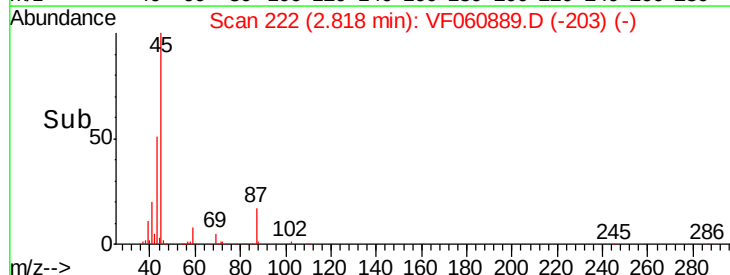
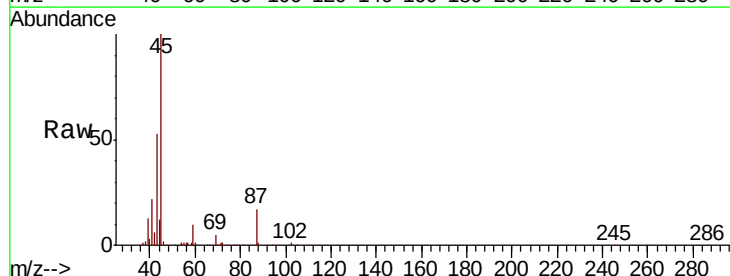
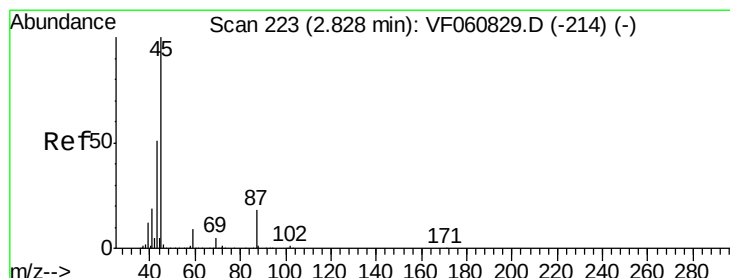
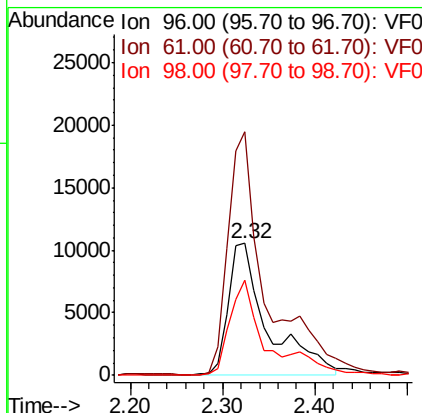
Acq: 3 Dec 2018 14:06

Tot Ion:	96	Resp:	31550
Ion Ratio	Lower	Upper	
96	100		
61	184.4	134.5	201.7
98	72.0	51.6	77.4

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

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#22

Diisopropyl ether

Concen: 22.264 ug/l

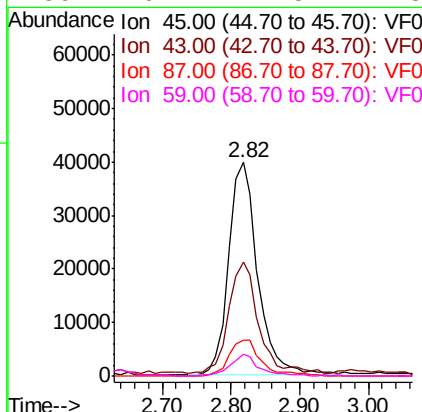
RT: 2.82 min Scan# 222

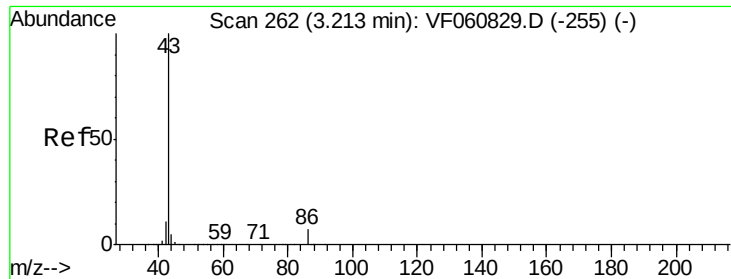
Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Tgt Ion:	45	Resp:	116879
Ion Ratio	Lower	Upper	
45	100		
43	53.2	41.0	61.6
87	16.6	14.6	22.0
59	10.1	7.5	11.3





#23

Vinyl Acetate

Concen: 126.256 ug/l

RT: 3.20 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF060889.D

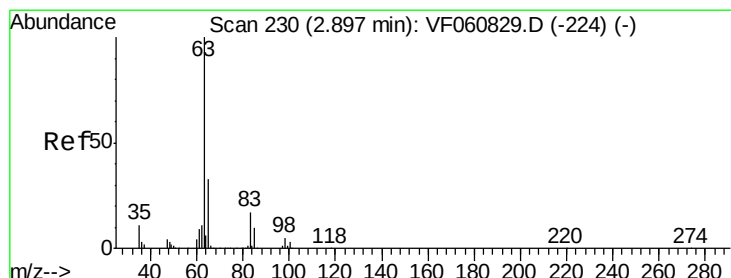
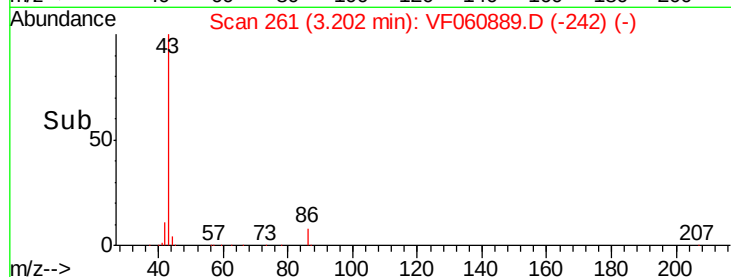
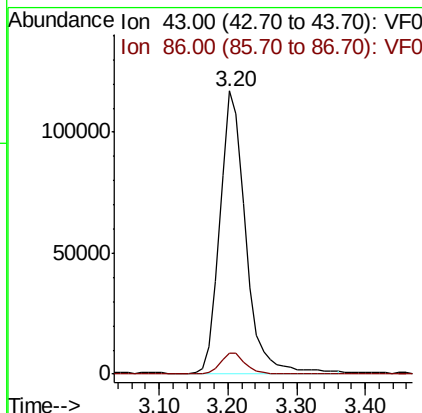
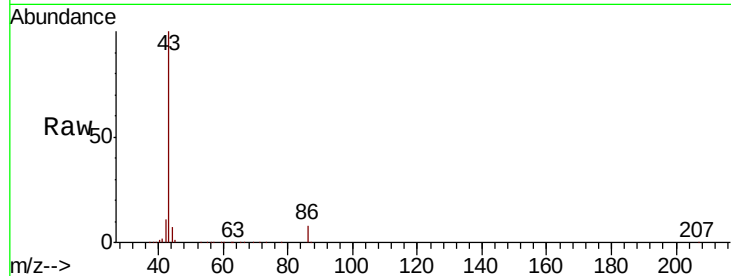
Acq: 3 Dec 2018 14:06

Tot Ion	43	Resp	302975
Ion Ratio	100	Lower	Upper
43	100		
86	7.5	5.4	8.0

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 21.137 ug/l

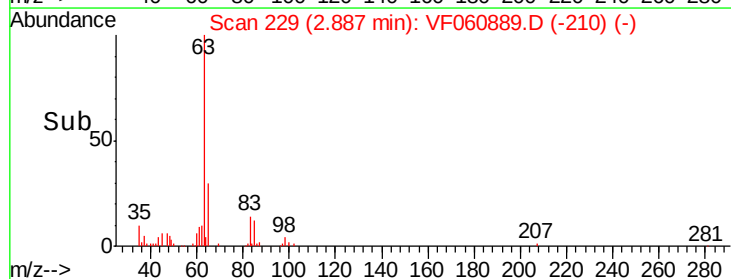
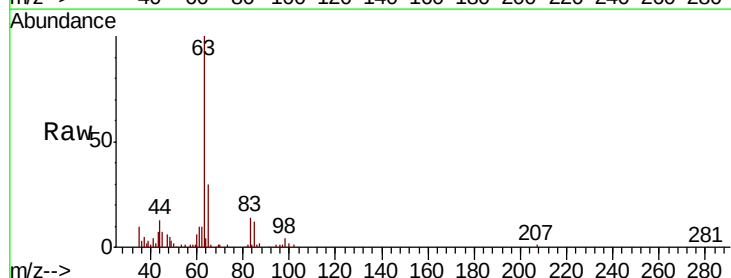
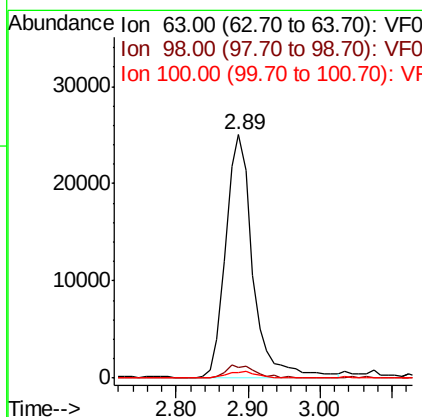
RT: 2.89 min Scan# 229

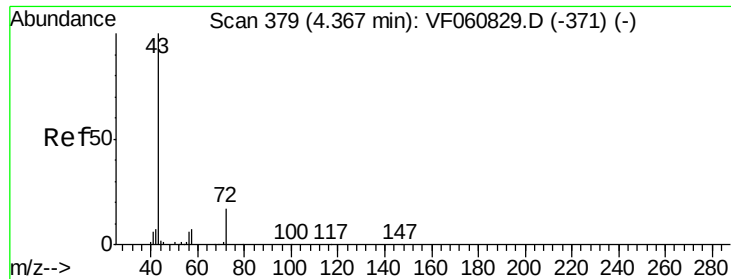
Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Tgt Ion	63	Resp	66019
Ion Ratio	100	Lower	Upper
63	100		
98	4.2	2.7	8.1
100	2.1	1.5	4.5





#25

2-Butanone

Concen: 120.883 ug/l

RT: 4.36 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Tot Ion: 43 Resp: 88761

Ion Ratio Lower Upper

43 100

72 20.5 15.4 23.2

Instrument :

MSVOA_F

ClientSampleId :

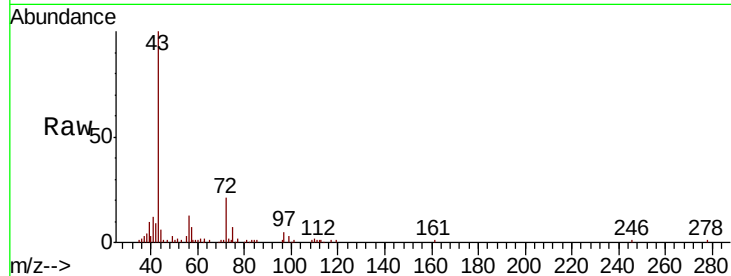
VF1203SBS01

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

25000

20000

15000

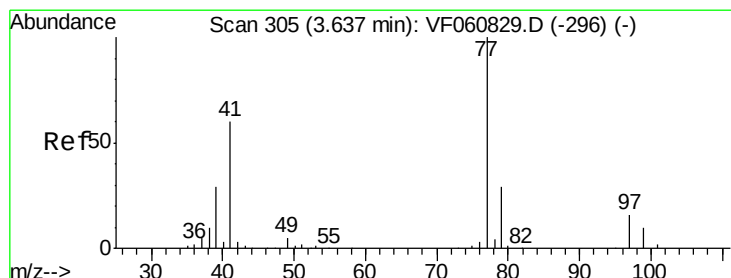
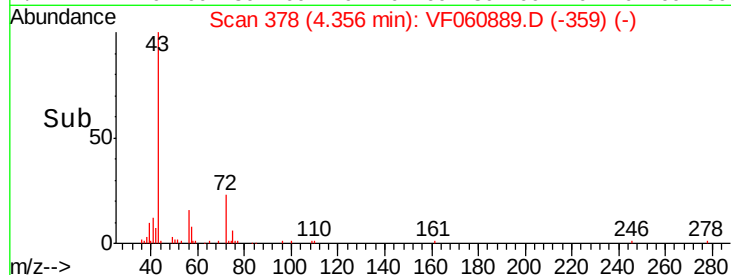
10000

5000

0

4.20 4.30 4.40 4.50

Time-->



#26

2,2-Dichloropropane

Concen: 21.151 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.02 min

Lab File: VF060889.D

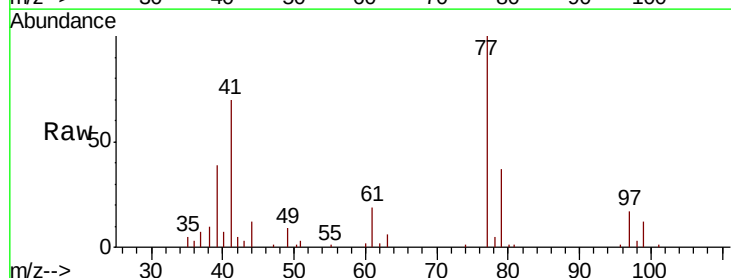
Acq: 3 Dec 2018 14:06

Tgt Ion: 77 Resp: 42828

Ion Ratio Lower Upper

77 100

97 16.6 8.6 25.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

15000

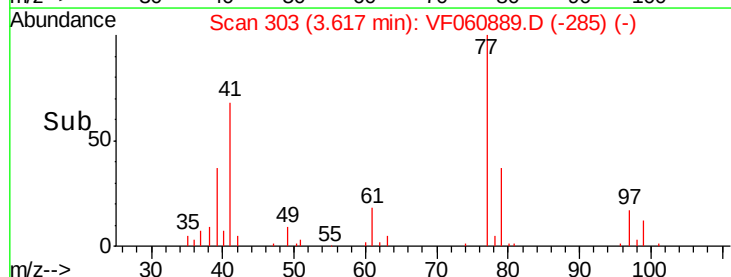
10000

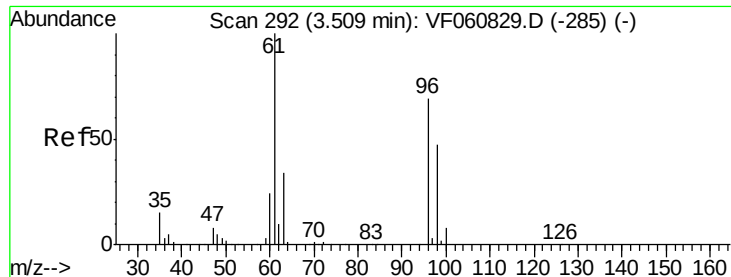
5000

0

3.50 3.60 3.70 3.80

Time-->





#27

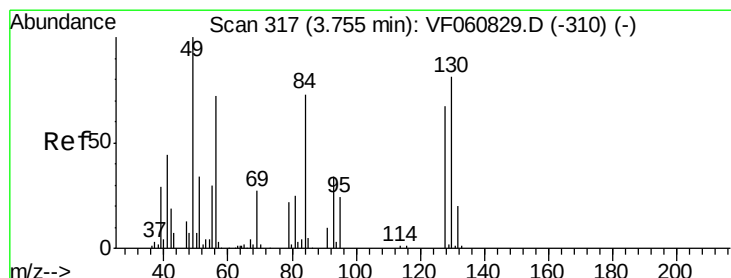
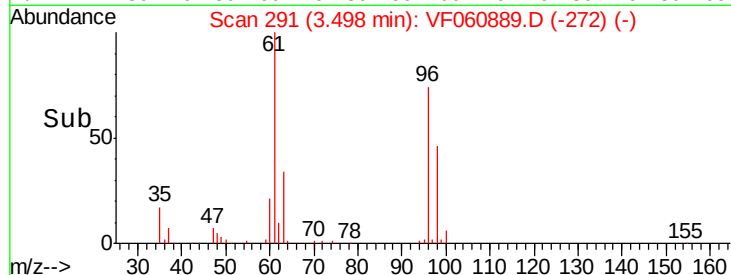
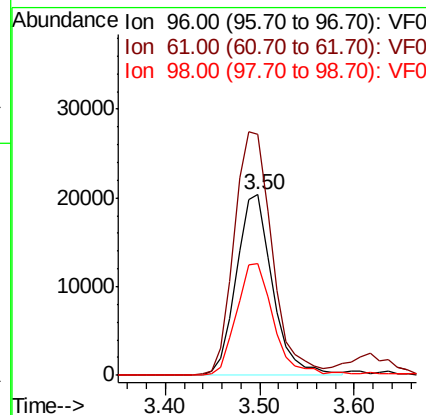
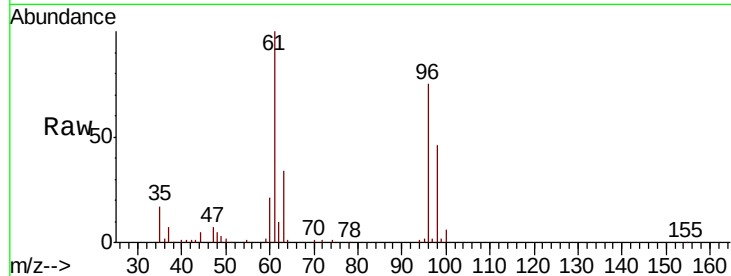
cis-1,2-Dichloroethene
Concen: 22.287 ug/l
RT: 3.50 min Scan# 291
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	54125		
61	133.6		0.0	290.6
98	61.6		0.0	137.8

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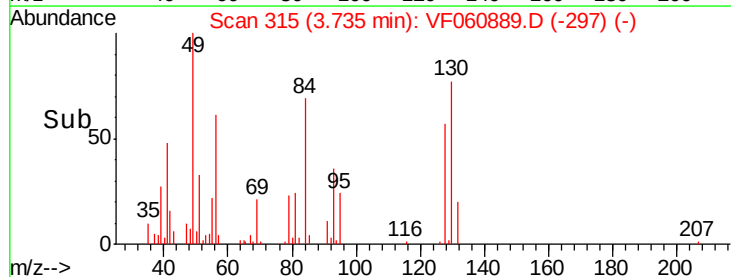
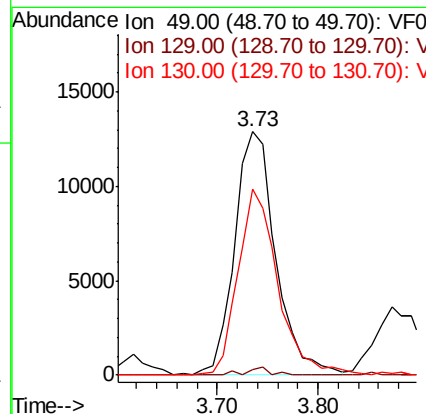
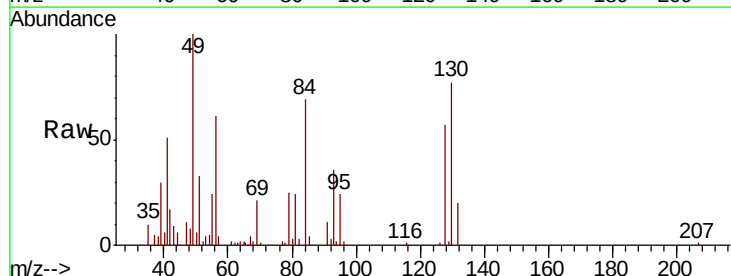
apatel
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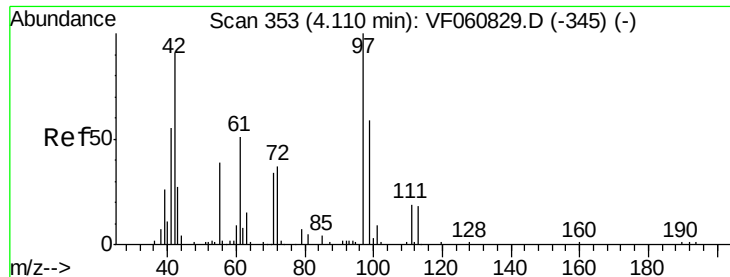


#28

Bromochloromethane
Concen: 24.394 ug/l
RT: 3.73 min Scan# 315
Delta R.T. -0.02 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	36566		
129	2.0		0.0	4.4
130	76.7		64.2	96.4





#29

Tetrahydrofuran

Concen: 116.785 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

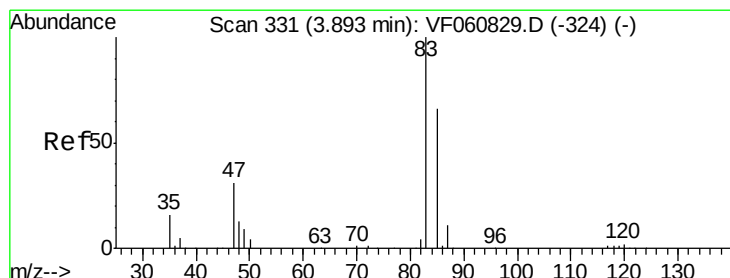
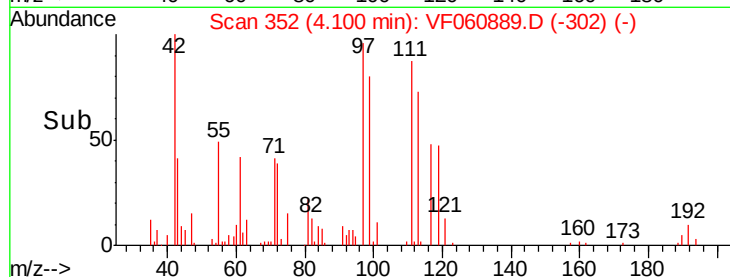
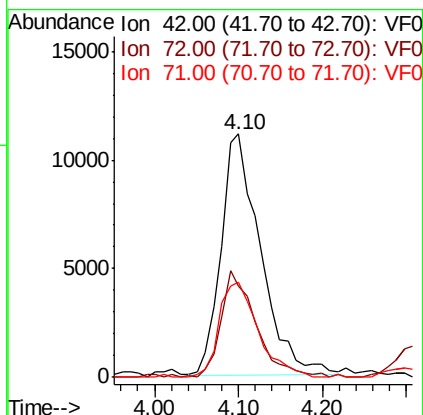
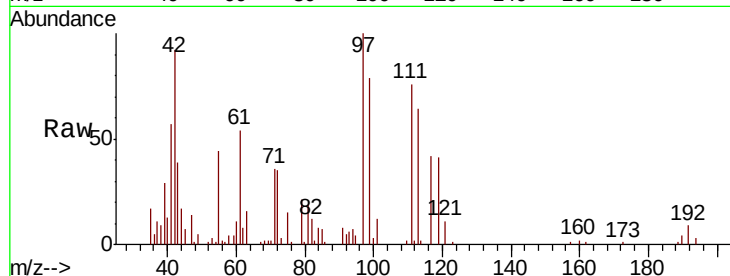
ClientSampleId :

VF1203SBS01

Tot Ion:	42	Resp:	36349
Ion	Ratio	Lower	Upper
42	100		
72	39.2	31.9	47.9
71	39.1	28.7	43.1

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#30

Chloroform

Concen: 22.225 ug/l

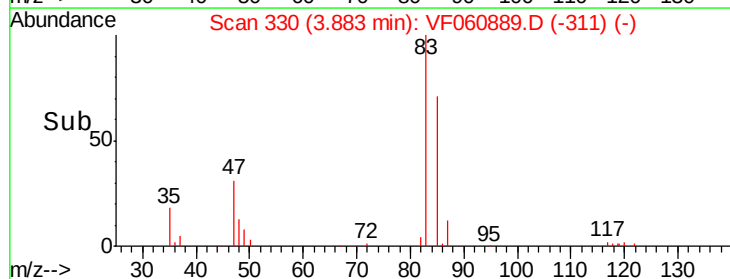
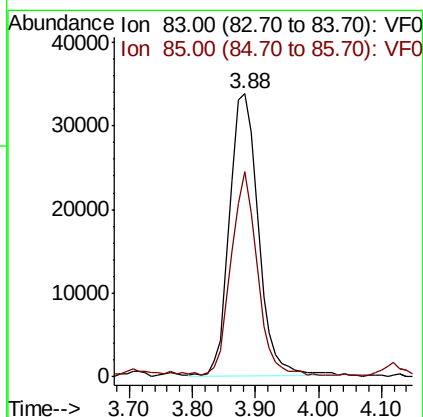
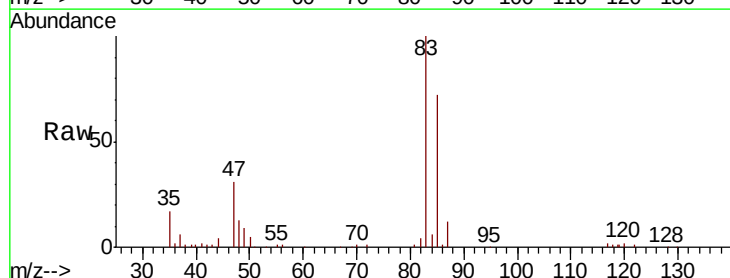
RT: 3.88 min Scan# 330

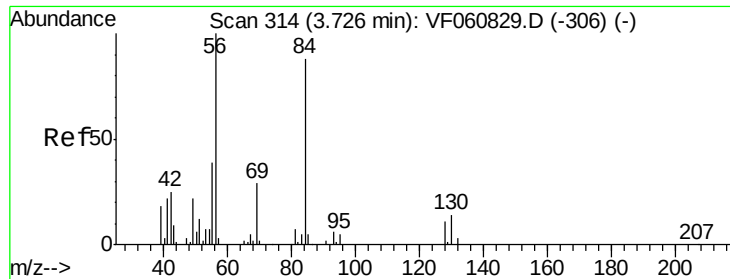
Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Tgt Ion:	83	Resp:	106835
Ion	Ratio	Lower	Upper
83	100		
85	72.4	53.4	80.2





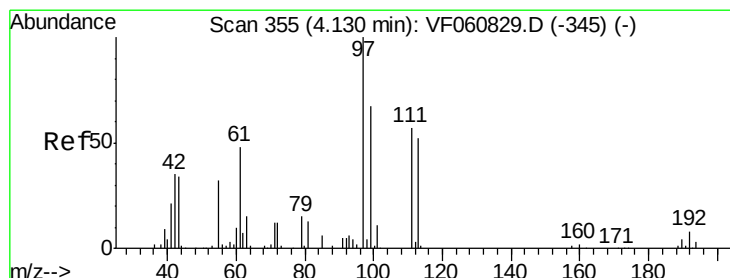
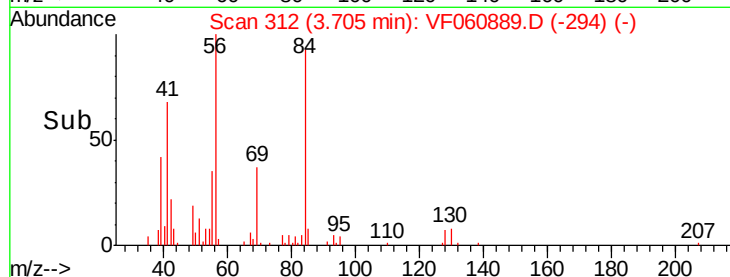
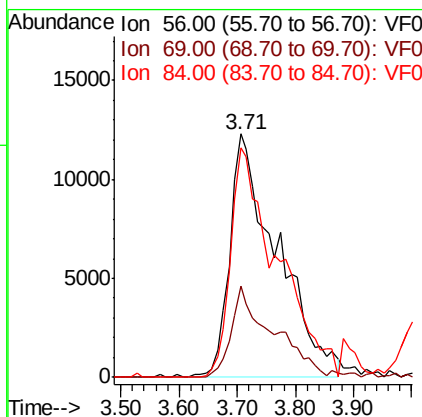
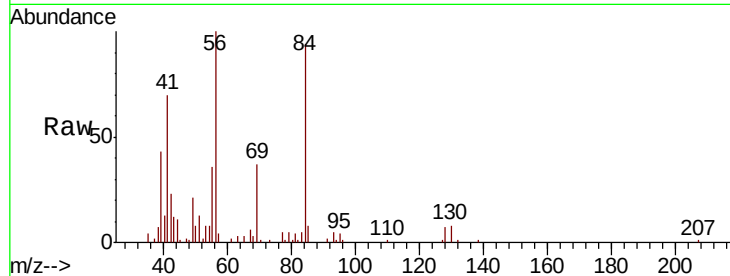
#31
Cyclohexane
Concen: 21.451 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.02 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	23.0	34.4#
84	94.2	70.4	105.6

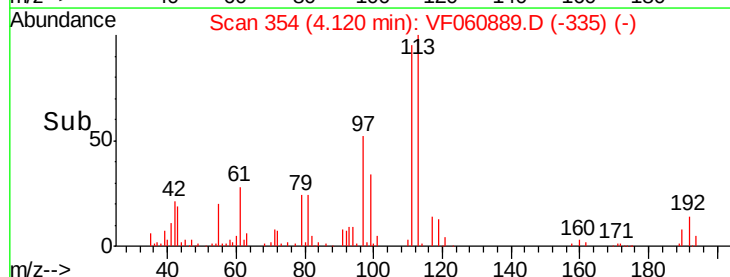
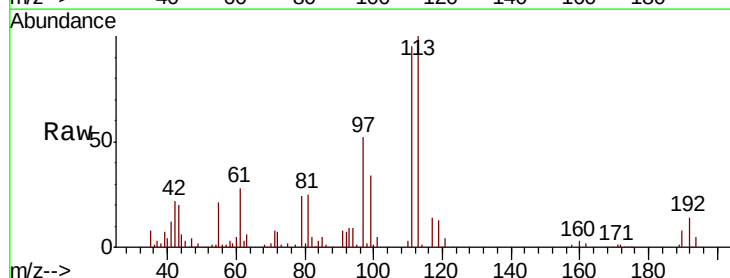
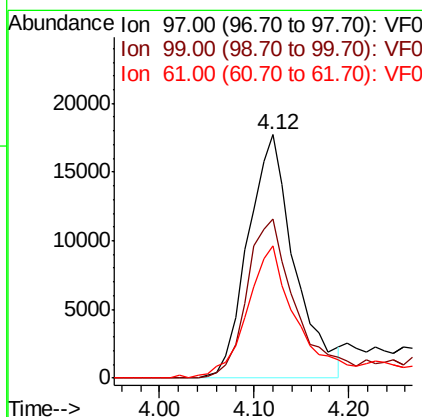
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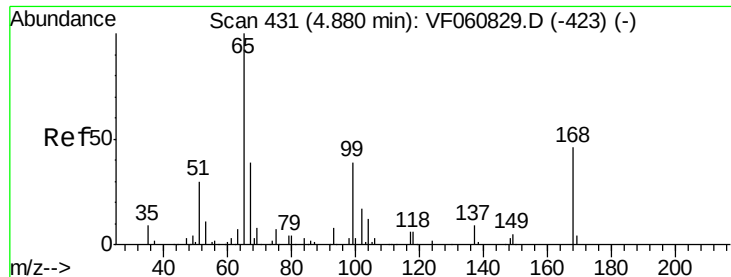
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#32
1,1,1-Trichloroethane
Concen: 18.246 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	53.5	80.3
61	54.2	38.6	58.0





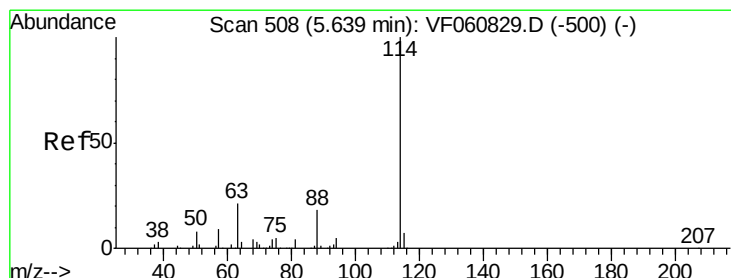
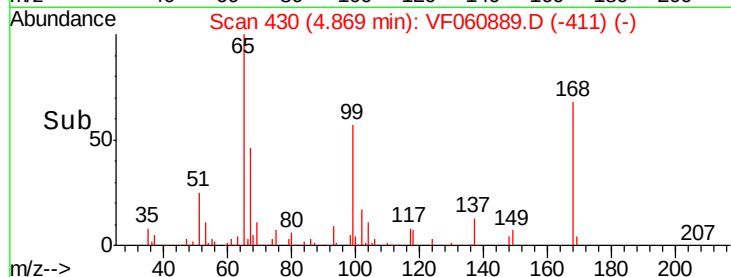
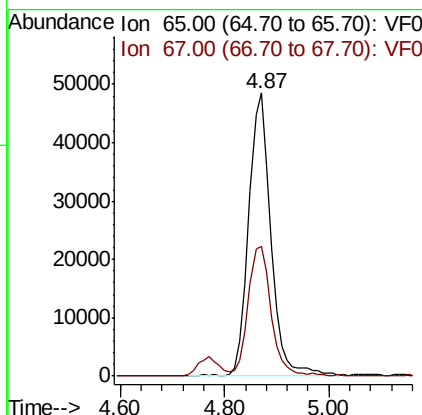
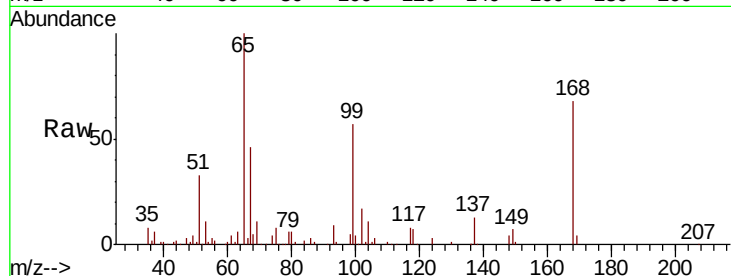
#33
 1,2-Dichloroethane-d4
 Concen: 60.747 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	139846		
67	45.8	0.0	96.4	

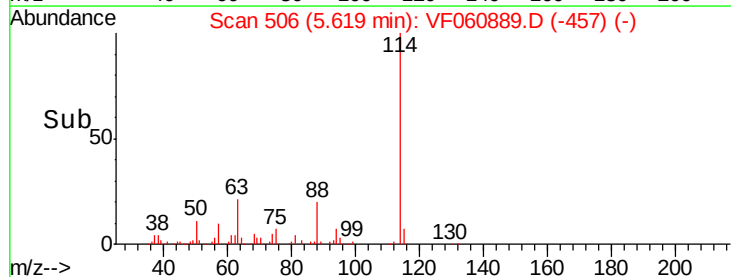
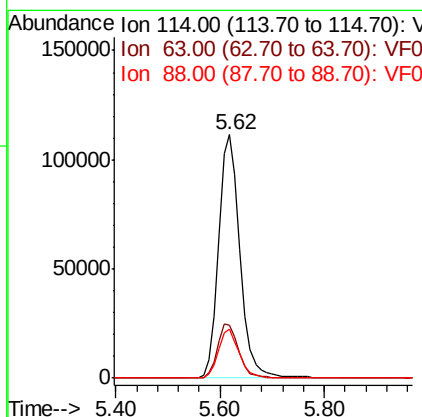
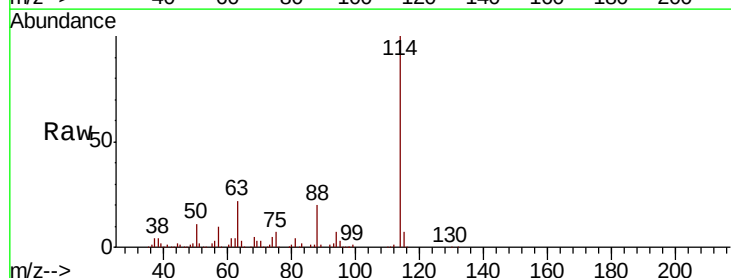
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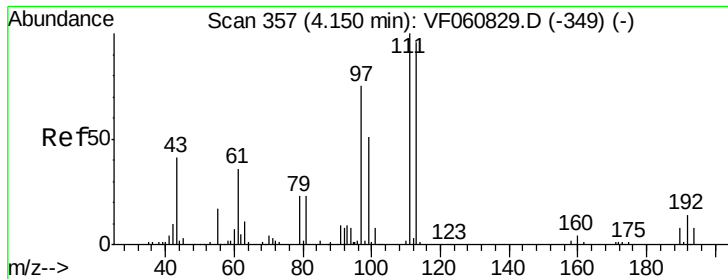
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. -0.02 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	316283		
63	21.5	0.0	41.6	
88	20.1	0.0	36.6	





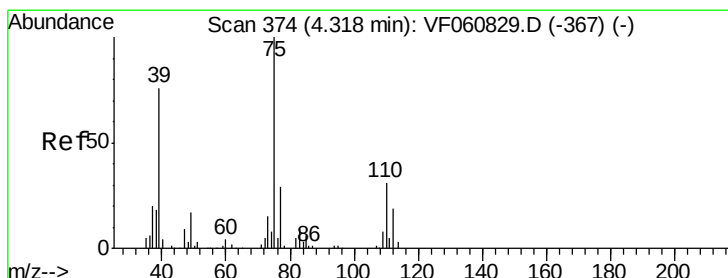
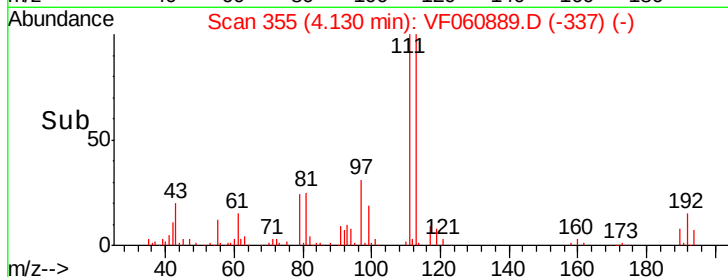
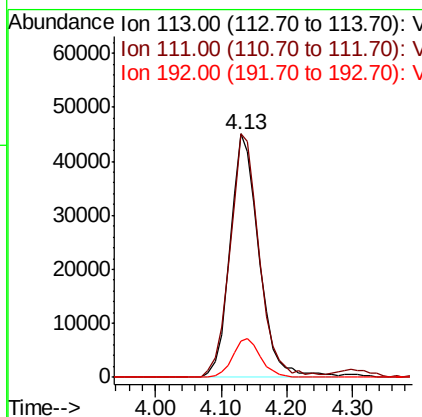
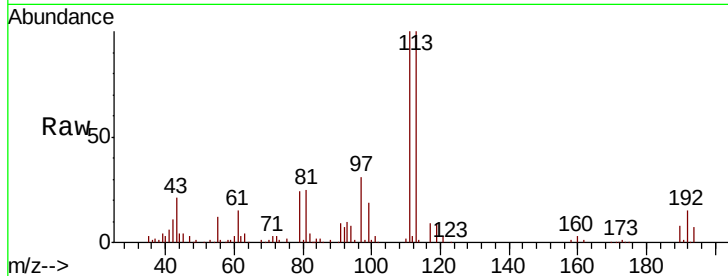
#35
Dibromofluoromethane
Concen: 55.294 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	138741		
111	100.2	83.0	124.6	
192	15.3	12.3	18.5	

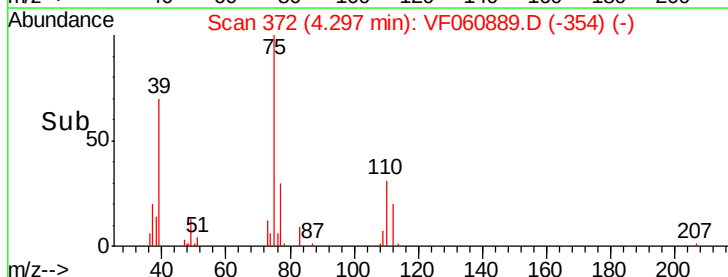
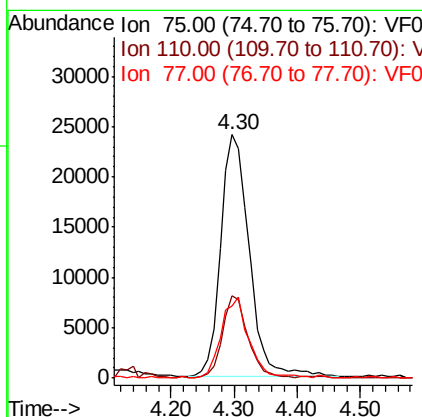
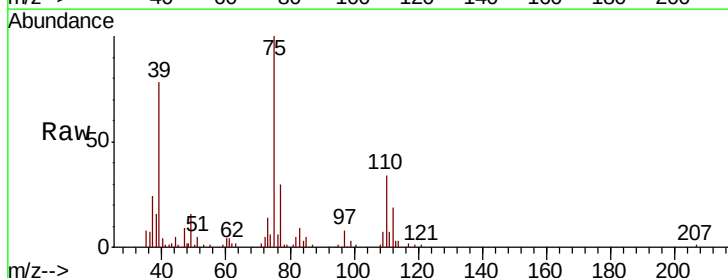
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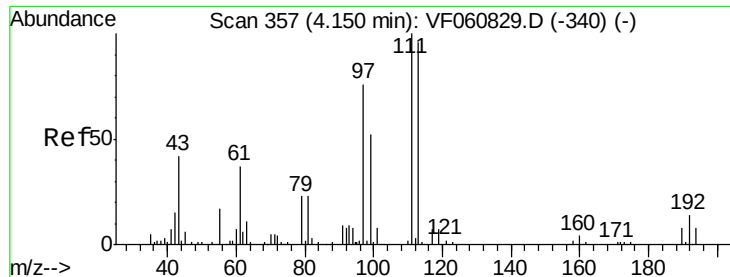
apatel
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#36
1,1-Dichloropropene
Concen: 21.650 ug/l
RT: 4.30 min Scan# 372
Delta R.T. -0.02 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75949		
110	33.9	15.6	46.8	
77	29.8	23.4	35.0	





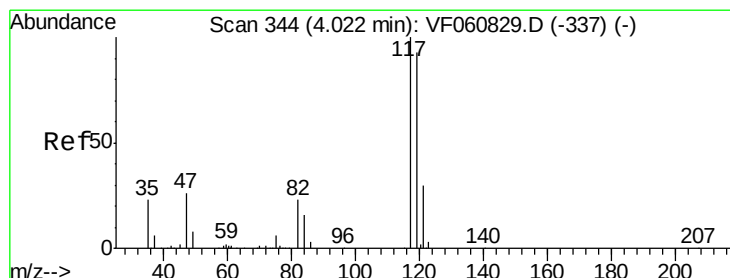
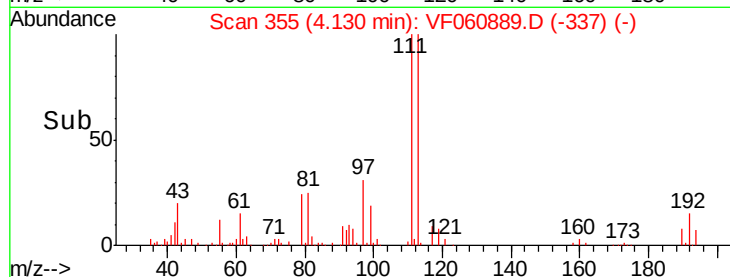
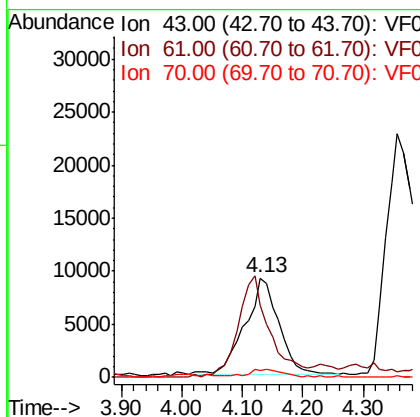
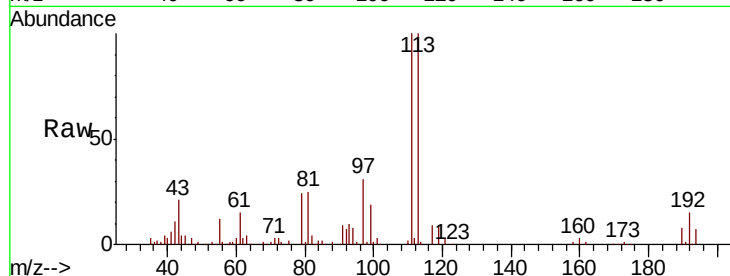
#37
Ethyl Acetate
Concen: 25.063 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	43	61	70
Resp	35730		
Ratio	100	72.2	6.5
Lower		68.6	9.0
Upper		103.0	13.4

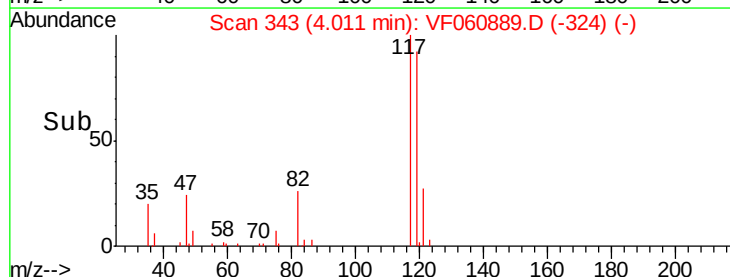
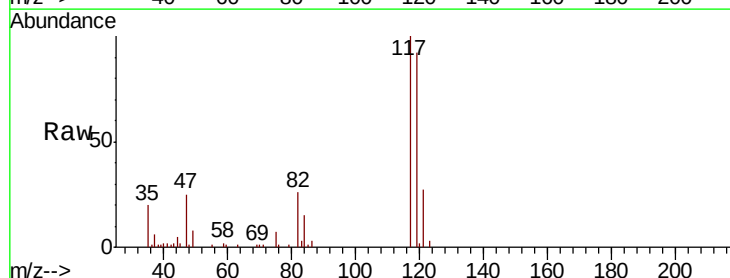
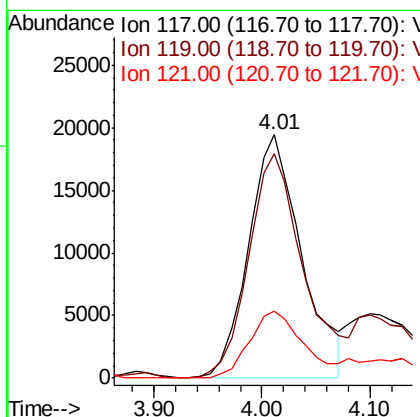
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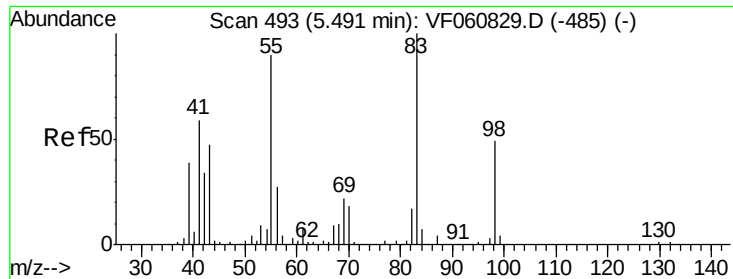
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#38
Carbon Tetrachloride
Concen: 21.407 ug/l
RT: 4.01 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion	117	119	121
Resp	66330		
Ratio	100	92.0	27.4
Lower		74.4	23.5
Upper		111.6	35.3





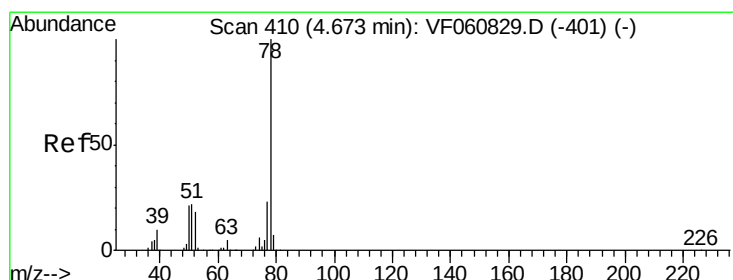
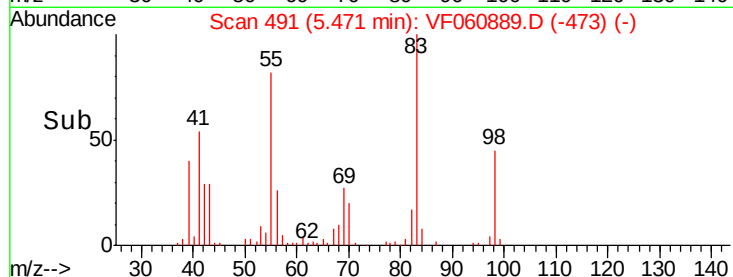
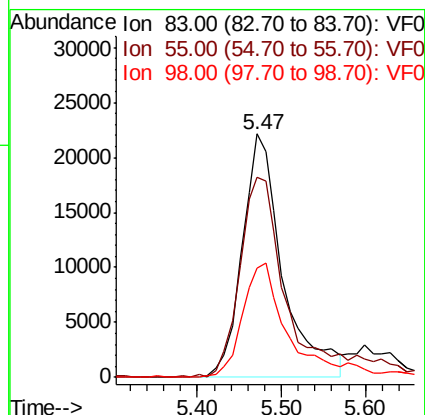
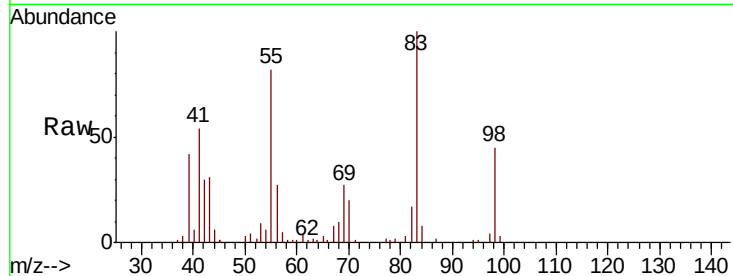
#39
Methylvlcyclohexane
Concen: 20.281 ug/l
RT: 5.47 min Scan# 491
Delta R.T. -0.02 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.2	72.1	108.1
98	44.7	39.1	58.7

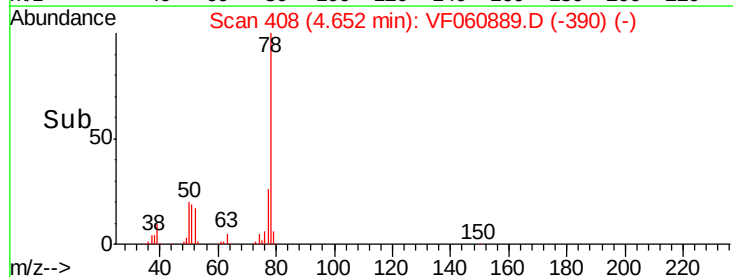
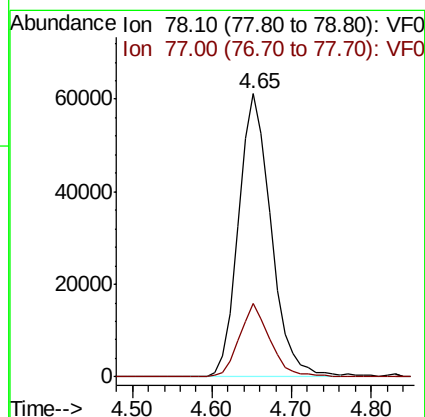
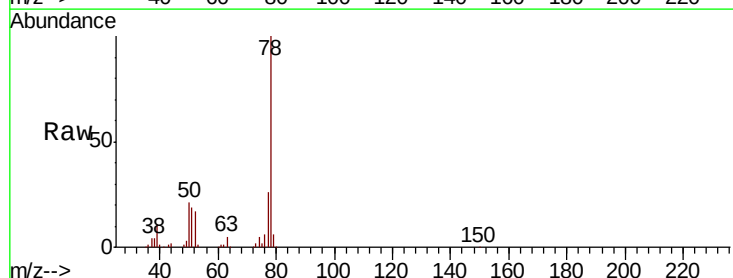
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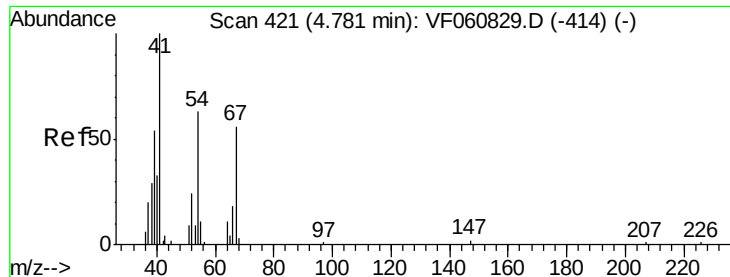
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#40
Benzene
Concen: 22.413 ug/l
RT: 4.65 min Scan# 408
Delta R.T. -0.02 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.9	18.7	28.1





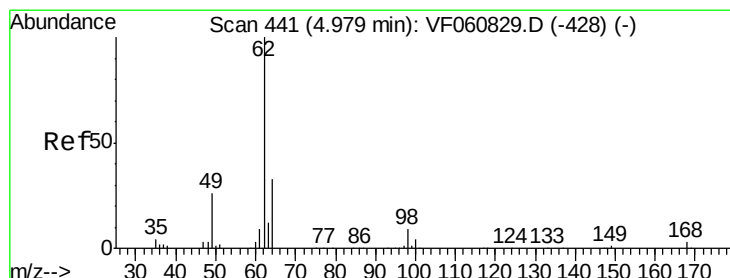
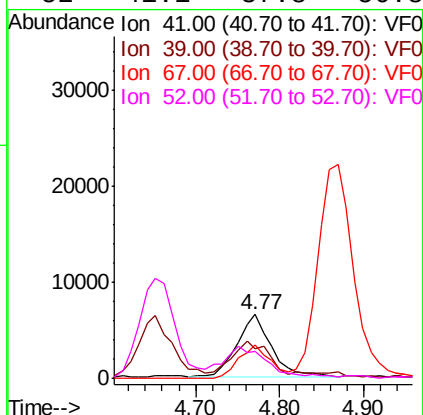
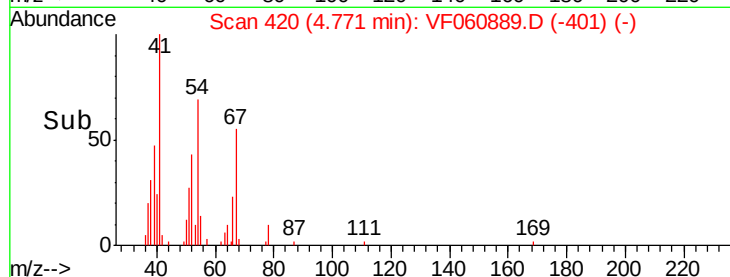
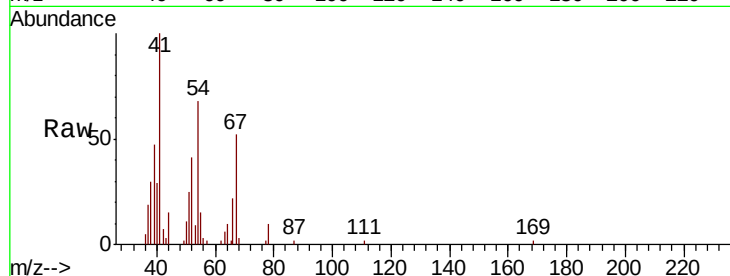
#41
Methacrylonitrile
Concen: 23.012 ug/l
RT: 4.77 min Scan# 420
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.6	53.0	79.6#
67	52.3	43.8	65.6
52	41.1	37.8	56.8

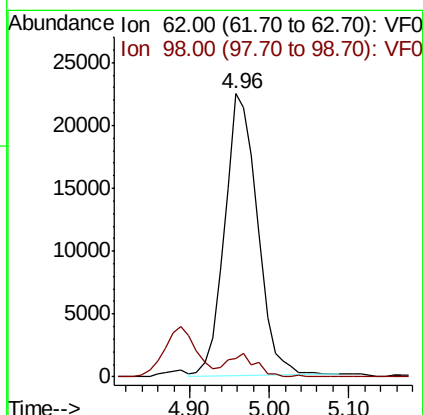
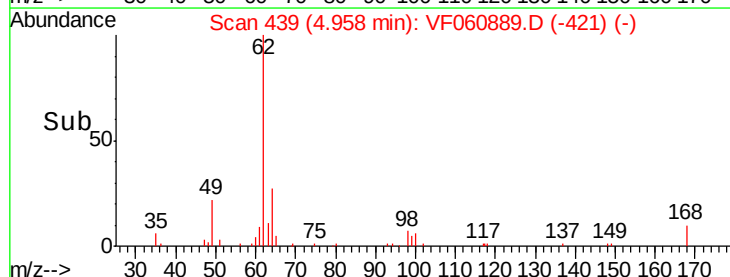
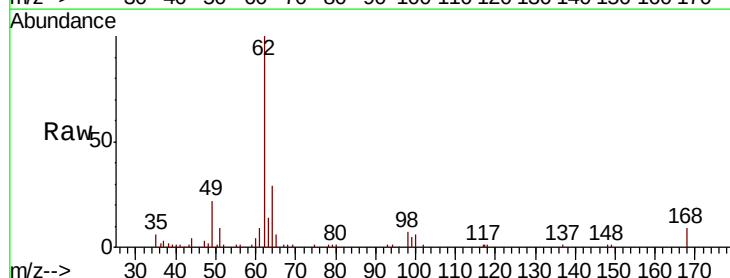
Manual Integrations
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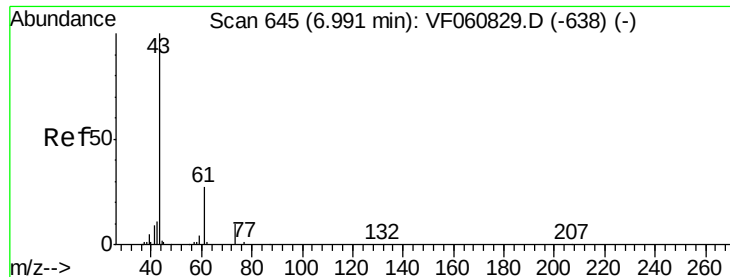
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#42
1,2-Dichloroethane
Concen: 22.785 ug/l
RT: 4.96 min Scan# 439
Delta R.T. -0.02 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.6	0.0	17.2





#43

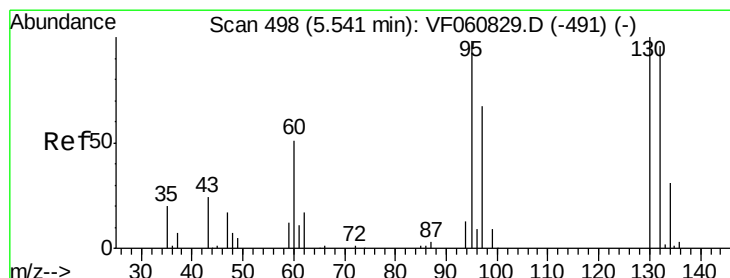
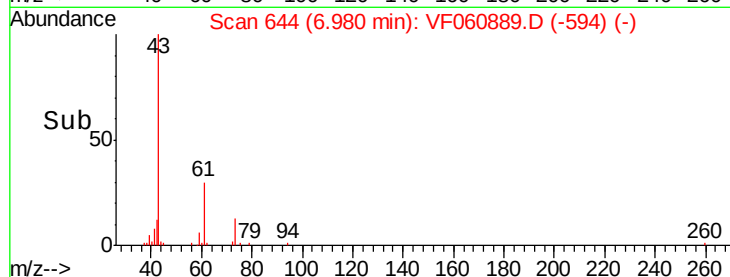
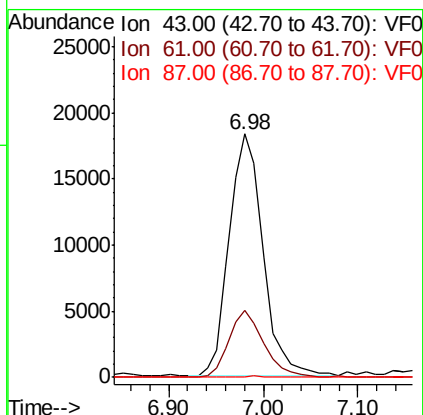
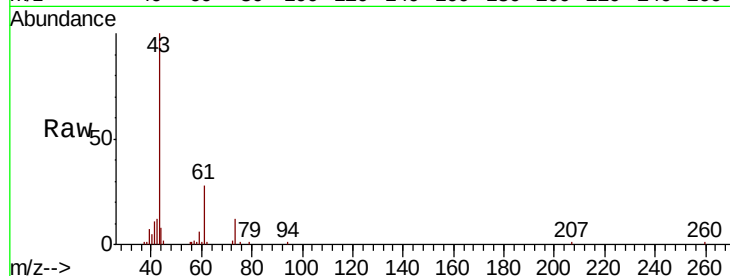
Isopropyl Acetate
 Concen: 24.212 ug/l
 RT: 6.98 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.5	21.4	32.0
87	0.0	0.2	0.4

Manual Integrations
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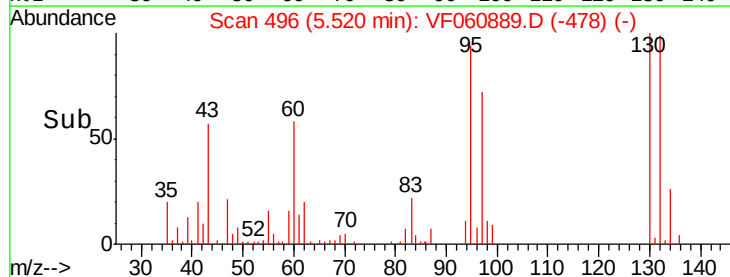
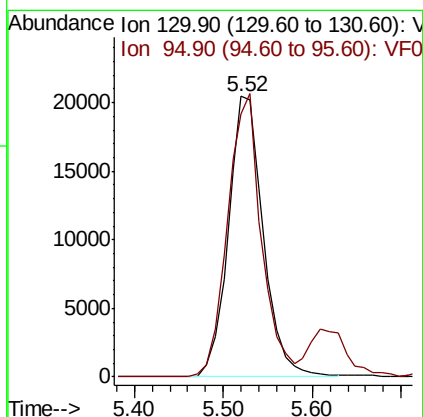
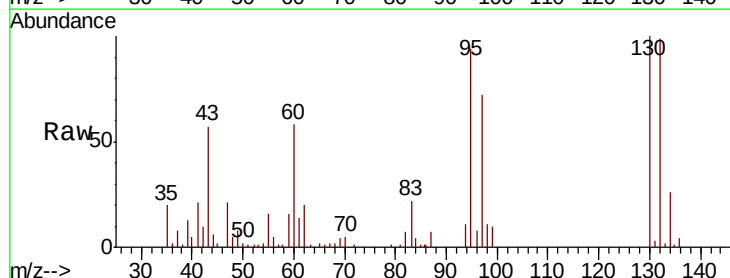
apatel
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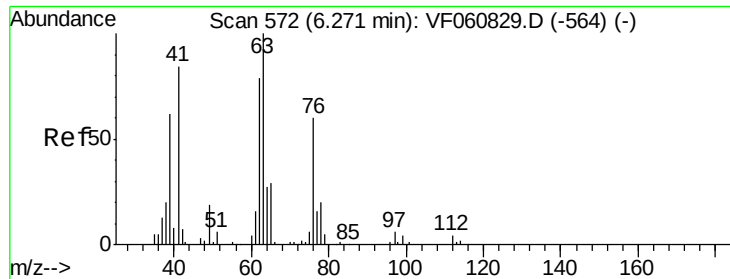


#44

Trichloroethene
 Concen: 22.110 ug/l
 RT: 5.52 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	195.6





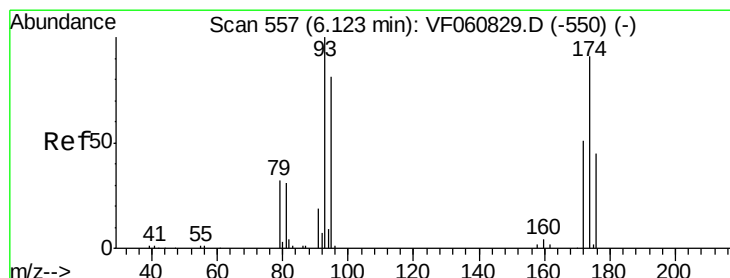
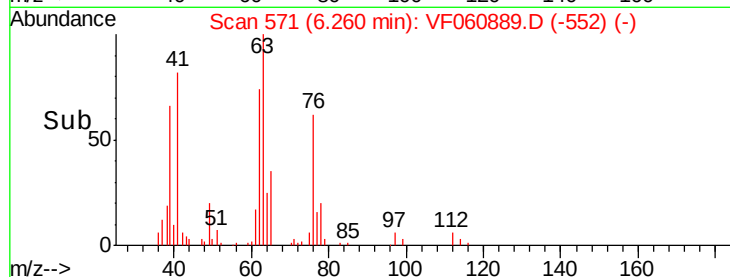
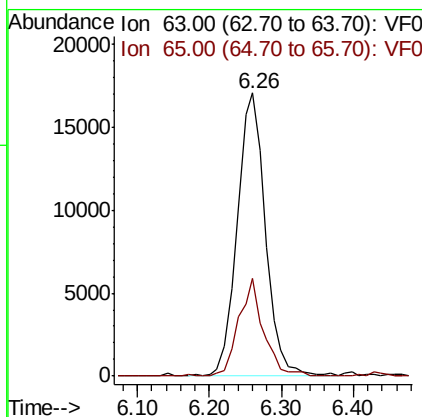
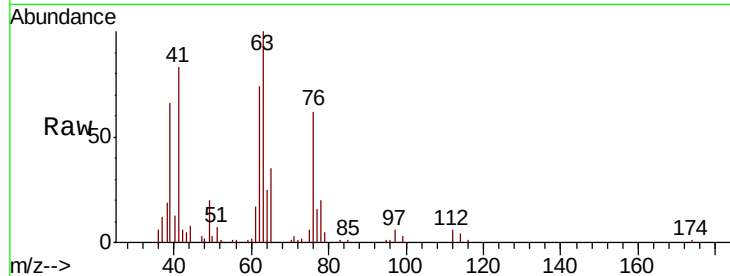
#45
 1,2-Dichloropropane
 Concen: 23.200 ug/l
 RT: 6.26 min Scan# 571
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Tot Ion: 63 Resp: 46698
 Ion Ratio Lower Upper
 63 100
 65 34.6 23.2 34.8

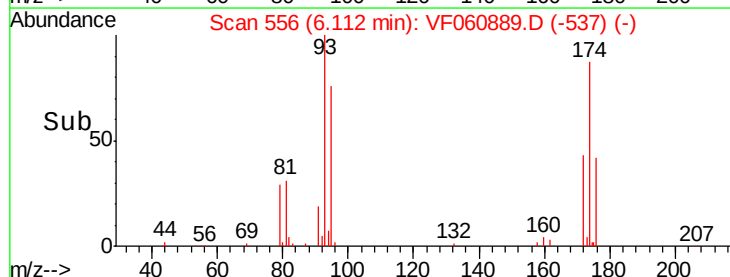
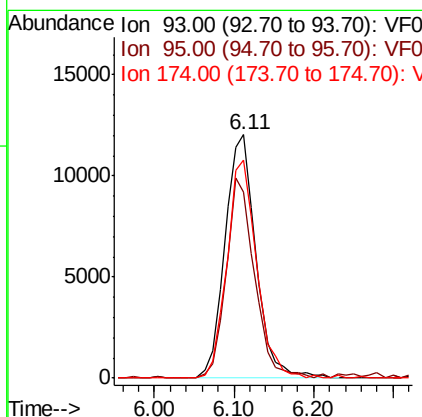
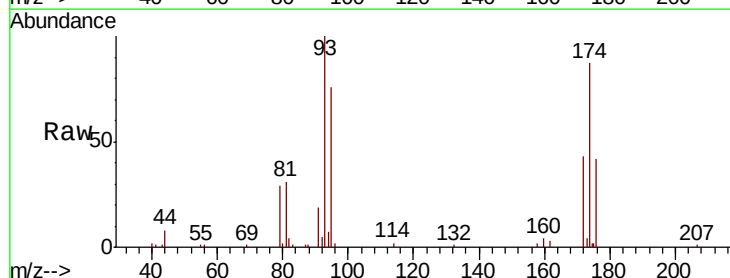
Manual Integrations
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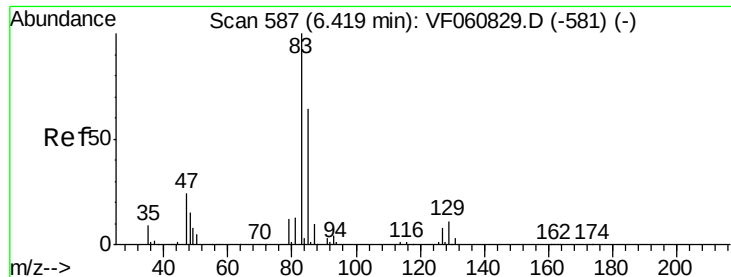
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#46
 Dibromomethane
 Concen: 24.026 ug/l
 RT: 6.11 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Tgt Ion: 93 Resp: 32806
 Ion Ratio Lower Upper
 93 100
 95 76.2 64.7 97.1
 174 89.4 73.0 109.6





#47

Bromodichloromethane

Concen: 22.275 ug/l

RT: 6.41 min Scan# 586

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

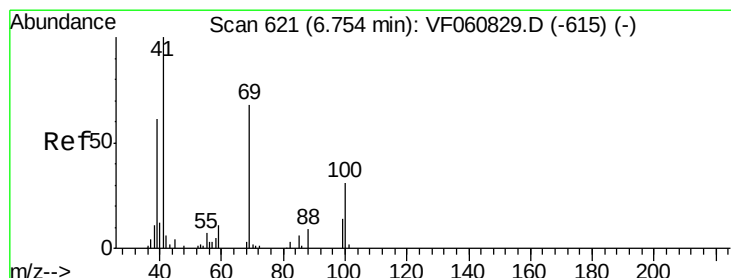
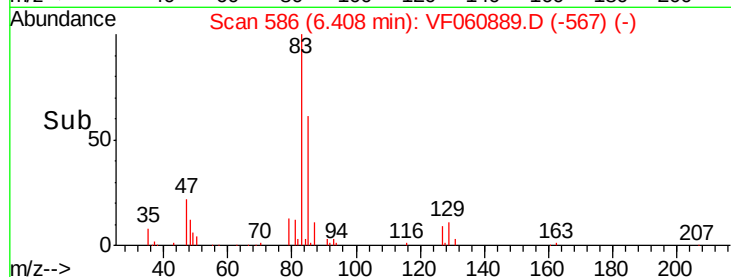
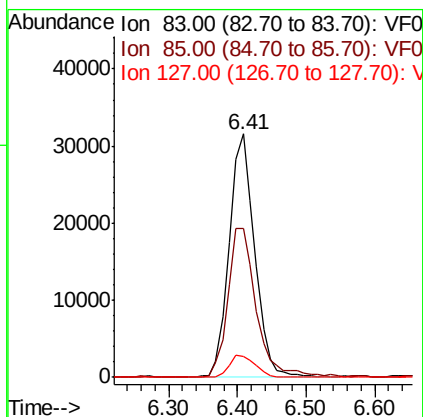
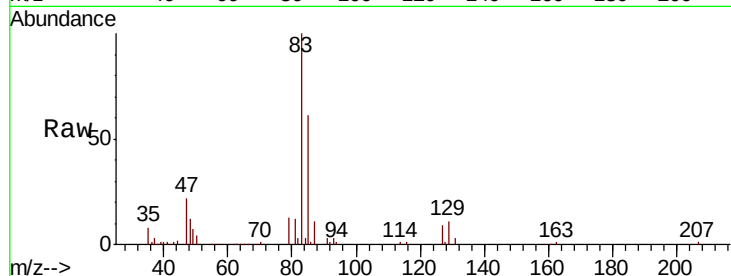
ClientSampleId :

VF1203SBS01

Tot Ion:	83	Resp:	80782
Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.1	76.7
127	8.8	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.845 ug/l

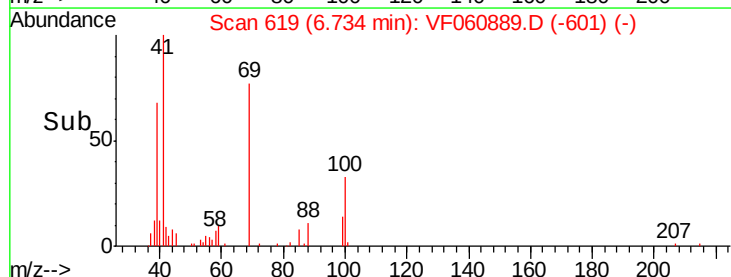
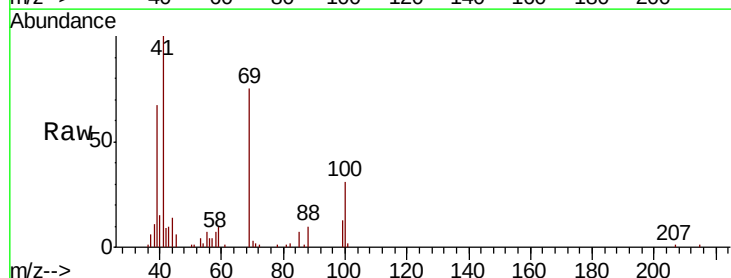
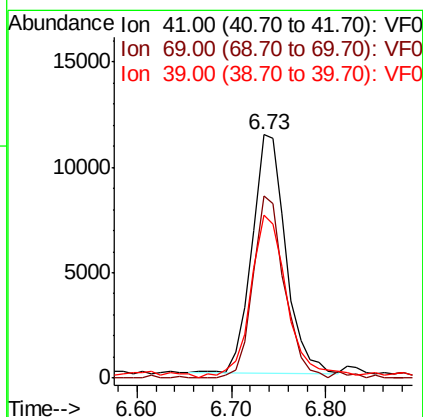
RT: 6.73 min Scan# 619

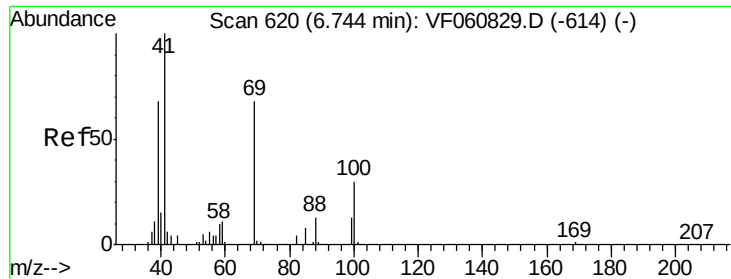
Delta R.T. -0.02 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Tgt Ion:	41	Resp:	28189
Ion	Ratio	Lower	Upper
41	100		
69	75.0	53.9	80.9
39	67.0	49.0	73.6





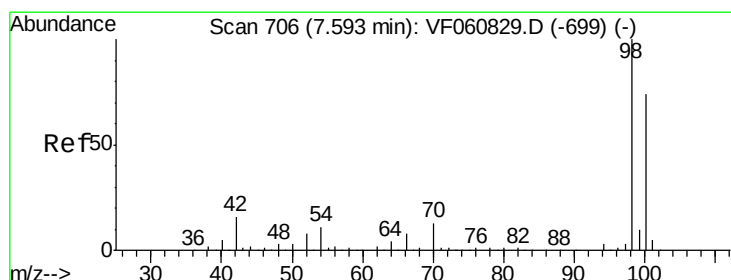
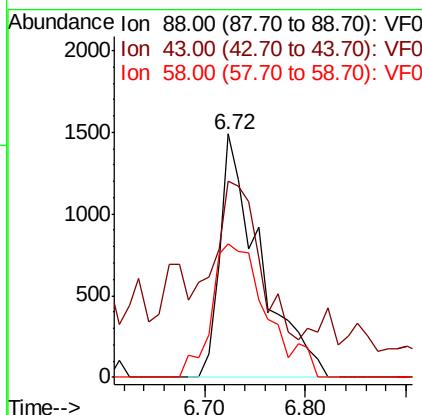
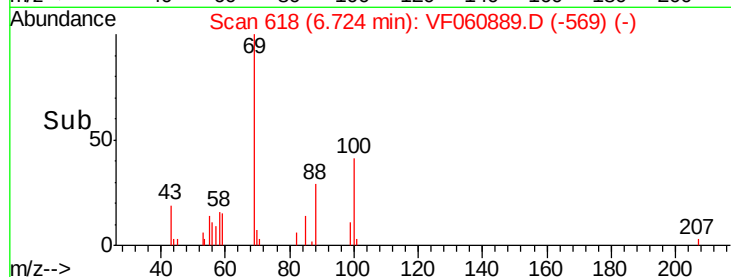
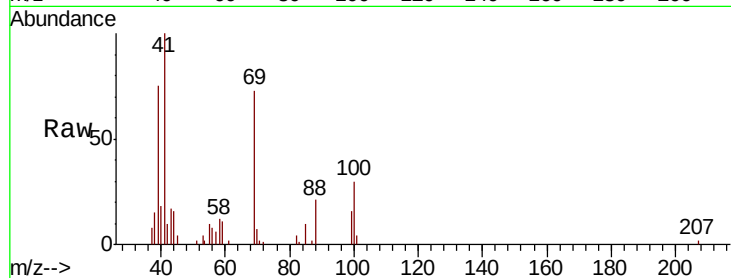
#49
1,4-Dioxane
Concen: 437.519 ug/l
RT: 6.72 min Scan# 618
Delta R.T. -0.02 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	80.5	42.0	63.0#
58	54.7	61.8	92.8#

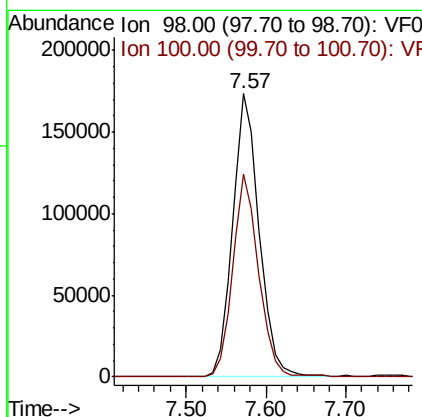
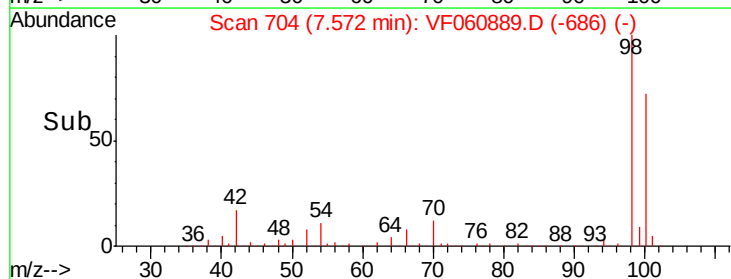
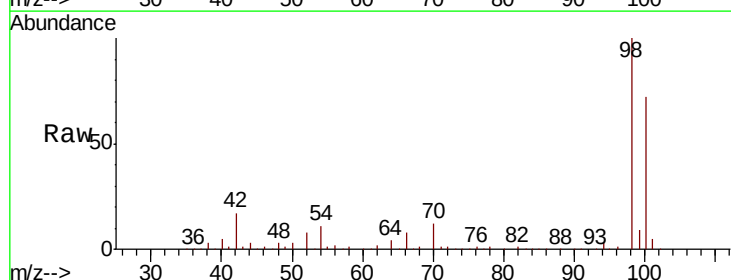
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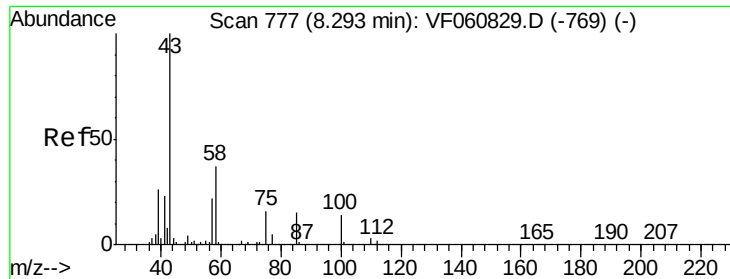
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#50
Toluene-d8
Concen: 54.577 ug/l
RT: 7.57 min Scan# 704
Delta R.T. -0.02 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.6	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 123.285 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.02 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 43 Resp: 162075

Ion Ratio Lower Upper

43 100

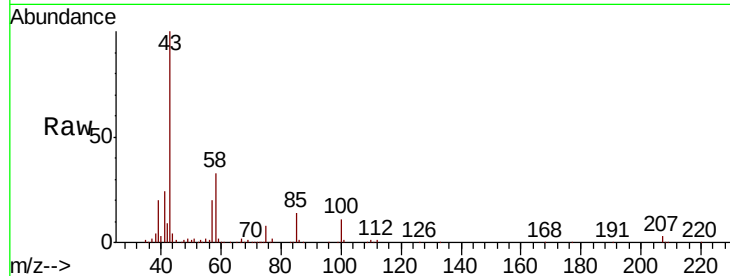
58 32.7 29.7 44.5

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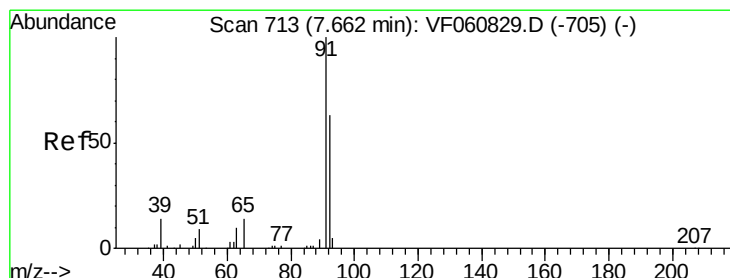
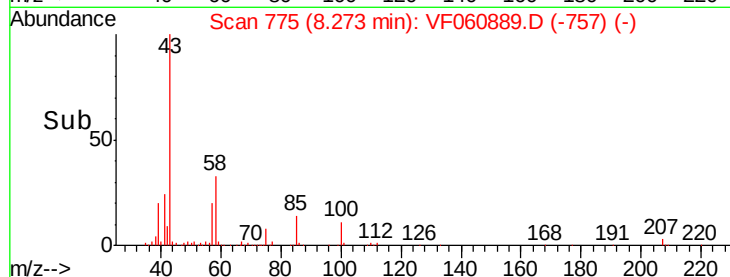
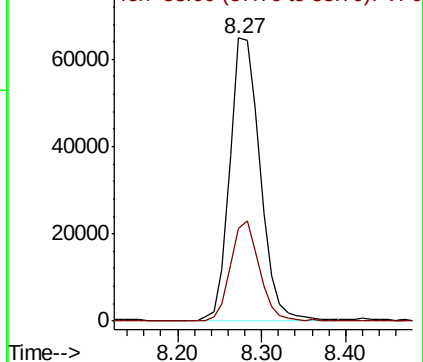
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.019 ug/l

RT: 7.64 min Scan# 711

Delta R.T. -0.02 min

Lab File: VF060889.D

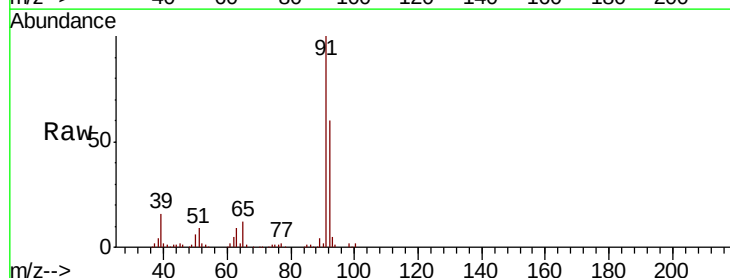
Acq: 3 Dec 2018 14:06

Tgt Ion: 92 Resp: 114422

Ion Ratio Lower Upper

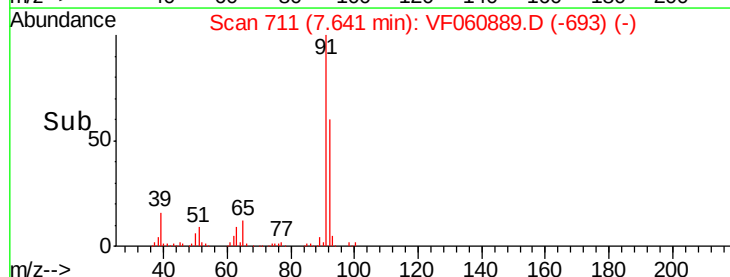
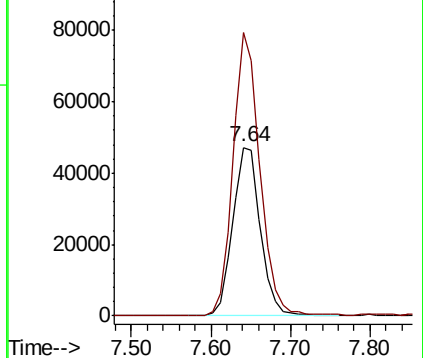
92 100

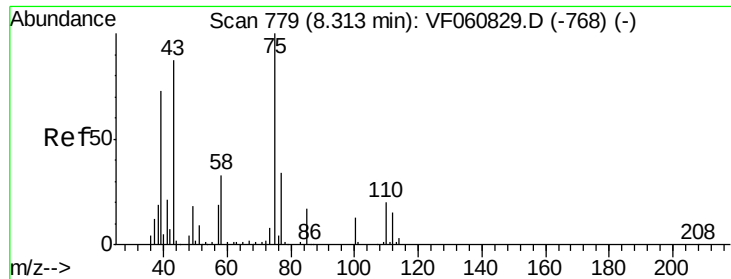
91 167.8 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





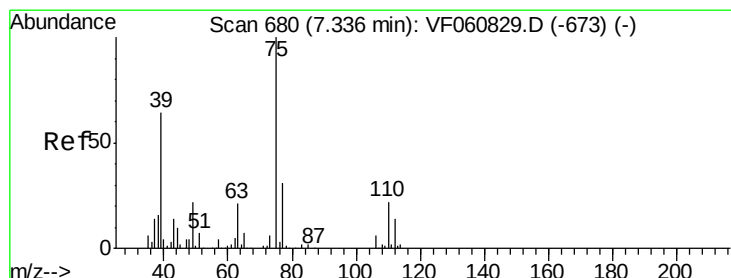
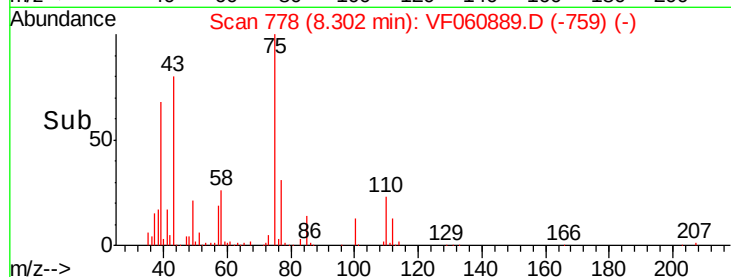
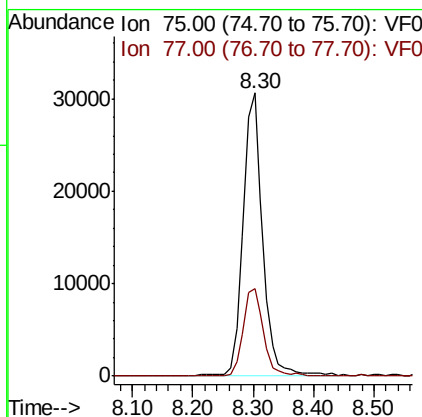
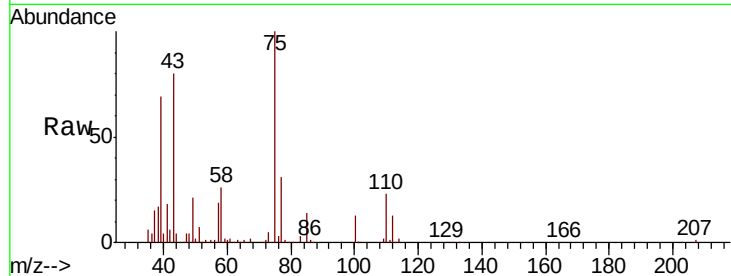
#53
t-1,3-Dichloropropene
Concen: 23.403 ug/l
RT: 8.30 min Scan# 778
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion: 75 Resp: 69036
Ion Ratio Lower Upper
75 100
77 30.7 27.4 41.2

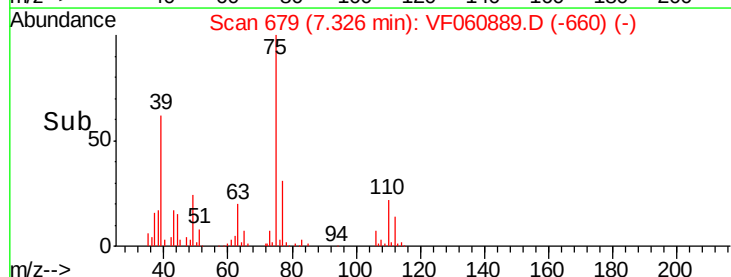
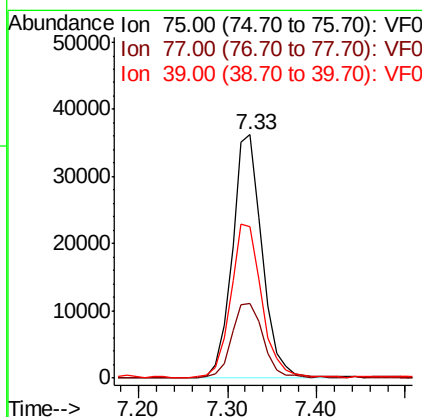
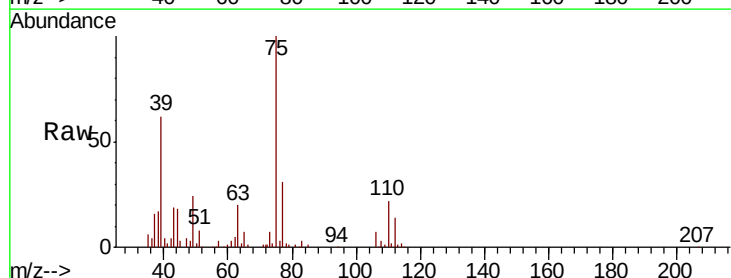
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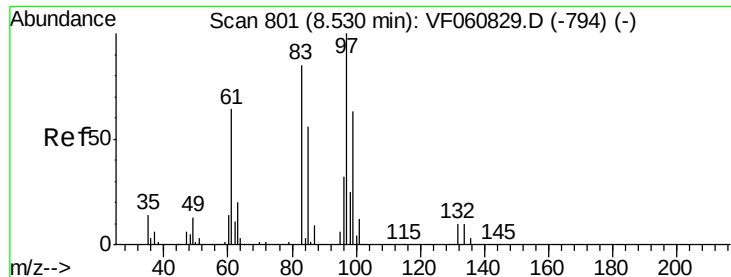
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#54
cis-1,3-Dichloropropene
Concen: 23.204 ug/l
RT: 7.33 min Scan# 679
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion: 75 Resp: 84739
Ion Ratio Lower Upper
75 100
77 30.8 25.0 37.6
39 62.3 51.1 76.7





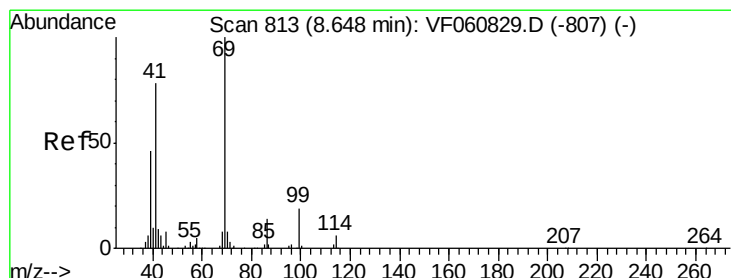
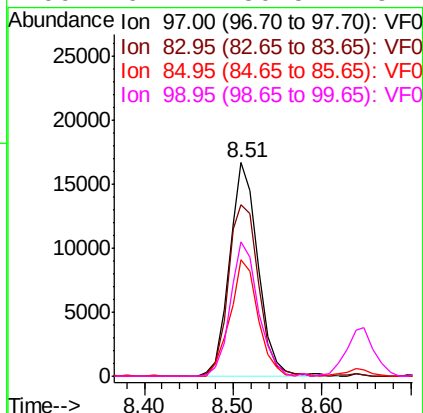
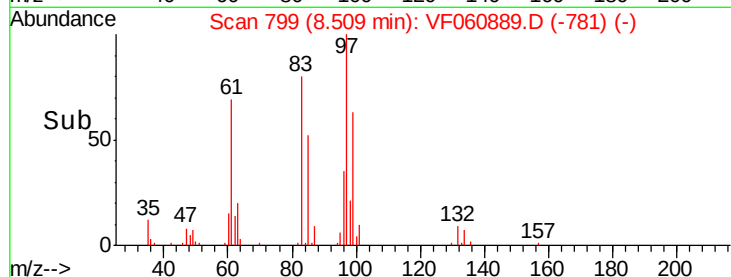
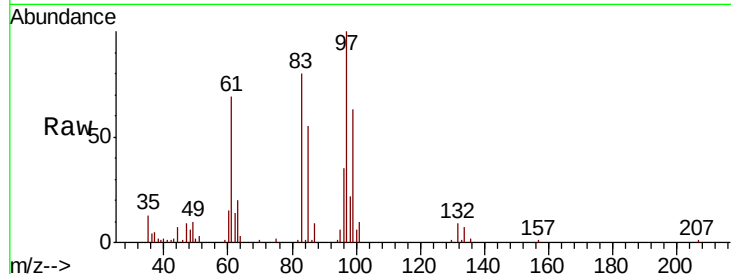
#55
 1,1,2-Trichloroethane
 Concen: 23.644 ug/l
 RT: 8.51 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Tot Ion:	97	Resp:	37505
Ion	Ratio	Lower	Upper
97	100		
83	80.4	67.8	101.6
85	54.7	45.0	67.6
99	62.7	50.5	75.7

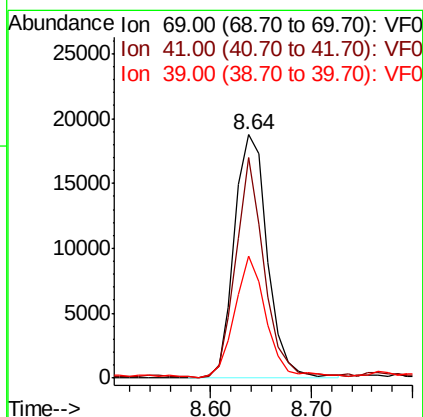
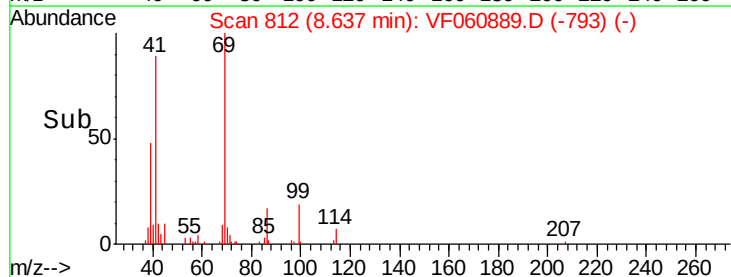
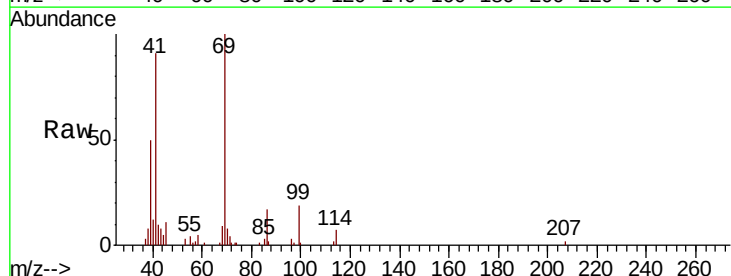
Manual Integrations
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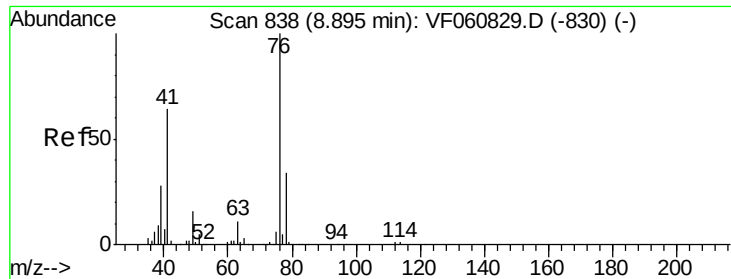
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#56
 Ethyl methacrylate
 Concen: 24.347 ug/l
 RT: 8.64 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Tgt Ion:	69	Resp:	42902
Ion	Ratio	Lower	Upper
69	100		
41	90.6	62.6	94.0
39	50.0	37.8	56.6





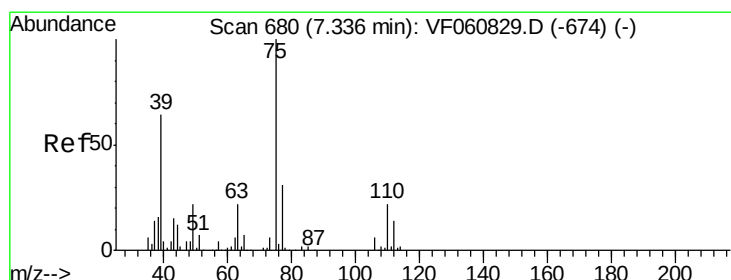
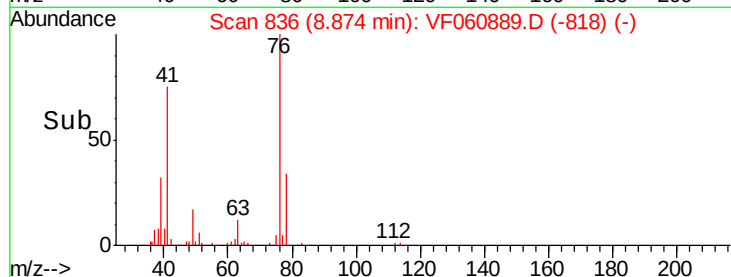
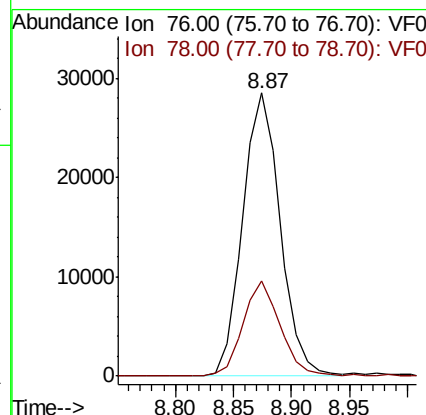
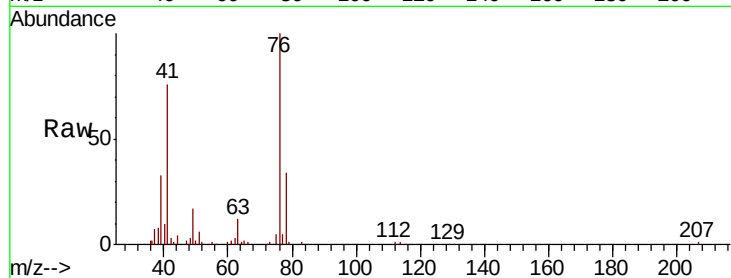
#57
 1,3-Dichloropropane
 Concen: 23.033 ug/l
 RT: 8.87 min Scan# 836
 Delta R.T. -0.02 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Tot Ion: 76 Resp: 63923
 Ion Ratio Lower Upper
 76 100
 78 33.7 27.0 40.4

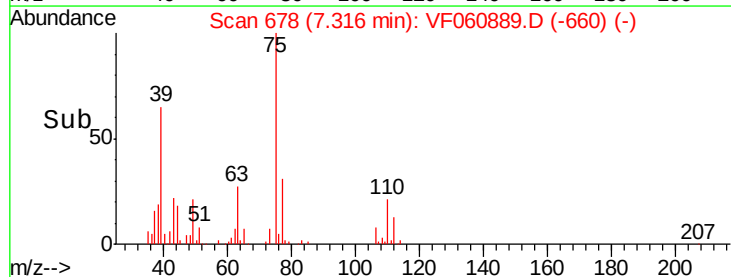
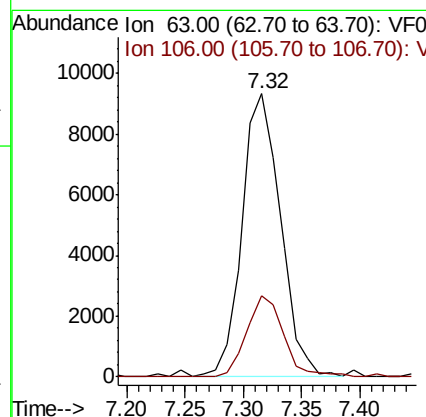
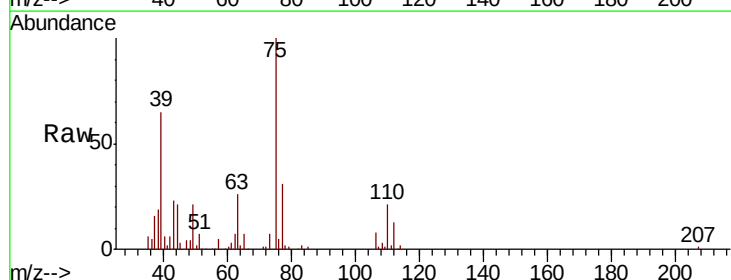
Manual Integrations
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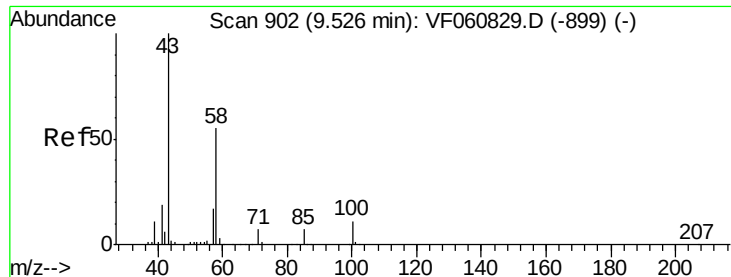
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#58
 2-Chloroethyl Vinyl ether
 Concen: 118.991 ug/l
 RT: 7.32 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Tgt Ion: 63 Resp: 21447
 Ion Ratio Lower Upper
 63 100
 106 28.5 23.0 34.6





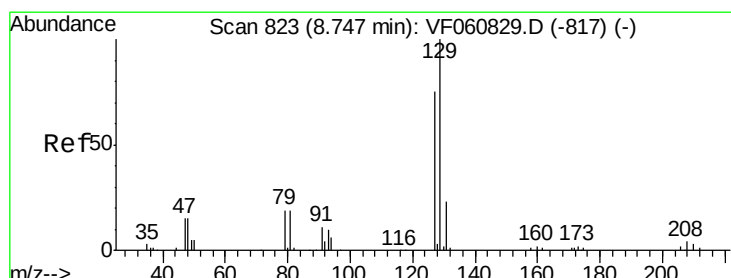
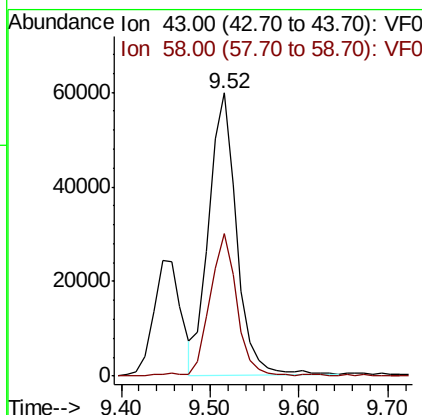
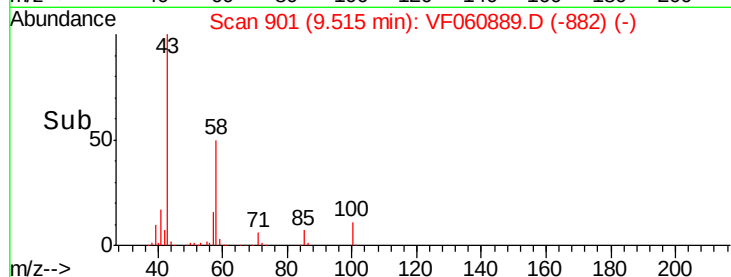
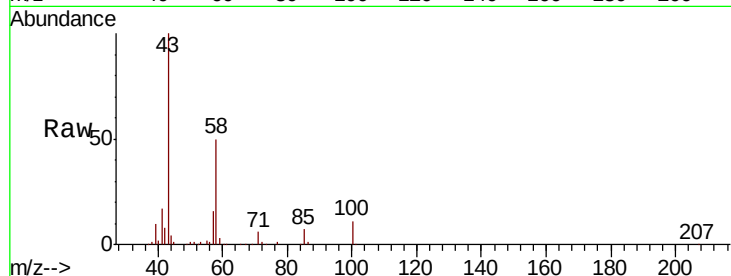
#59
2-Hexanone
Concen: 139.478 ug/l
RT: 9.52 min Scan# 901
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion: 43 Resp: 128640
Ion Ratio Lower Upper
43 100
58 50.2 25.6 76.6

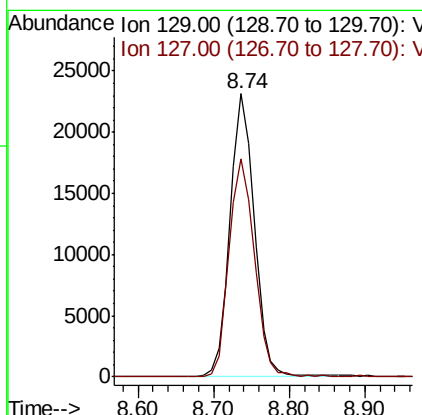
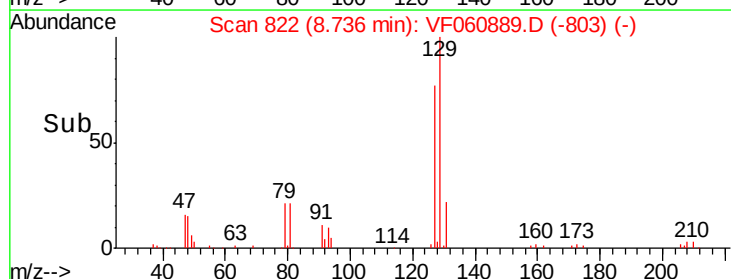
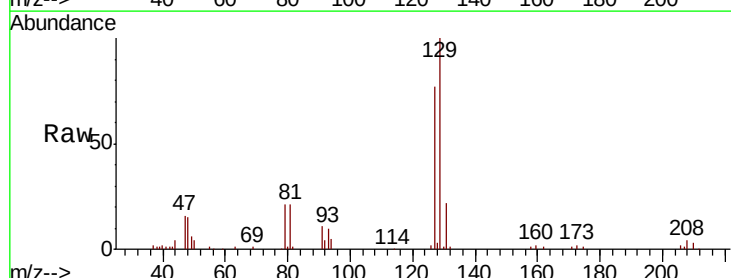
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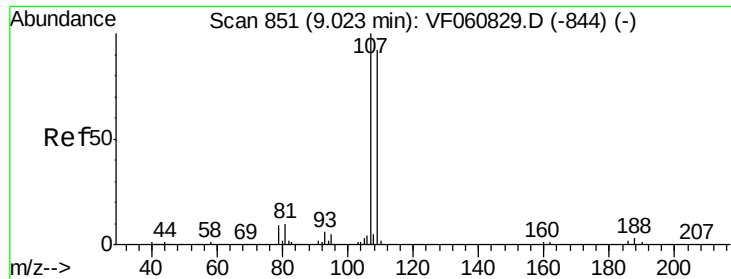
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#60
Dibromochloromethane
Concen: 21.900 ug/l
RT: 8.74 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion:129 Resp: 51760
Ion Ratio Lower Upper
129 100
127 77.2 37.3 111.9





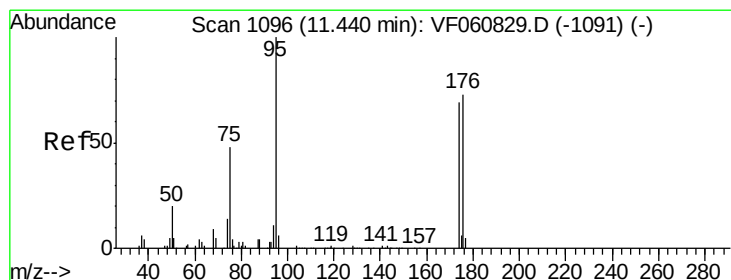
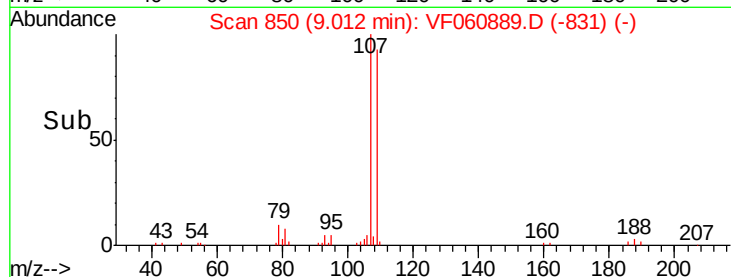
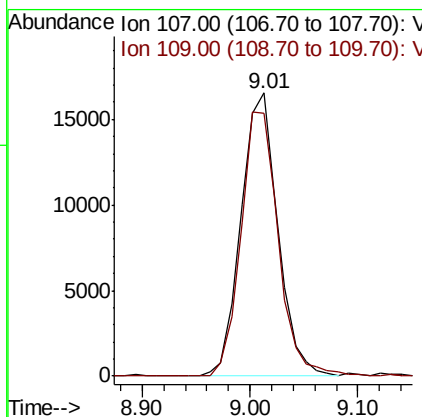
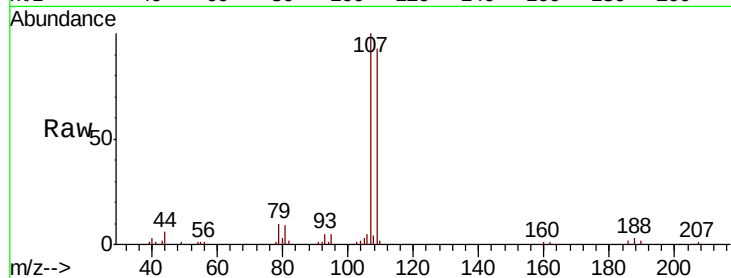
#61
 1,2-Dibromoethane
 Concen: 22.807 ug/l
 RT: 9.01 min Scan# 850
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	73.6	110.4

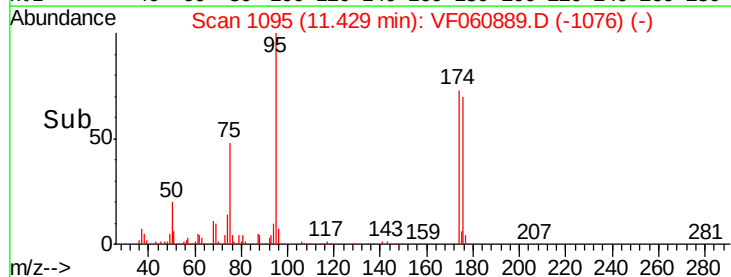
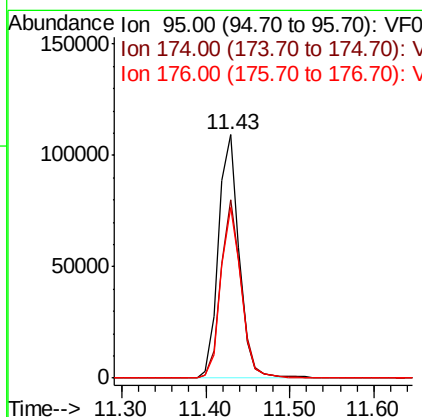
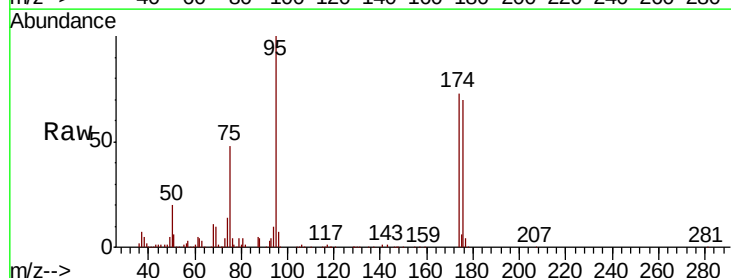
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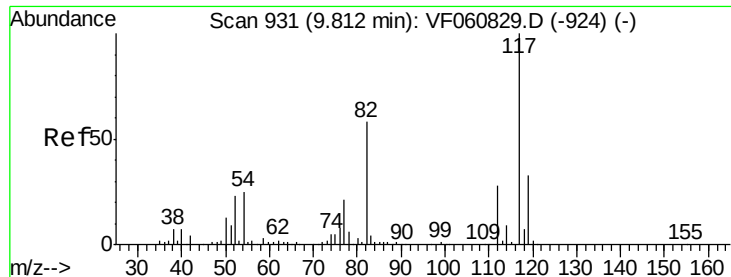
apatel
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#62
 4-Bromofluorobenzene
 Concen: 55.707 ug/l
 RT: 11.43 min Scan# 1095
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	138.2
176	70.3	0.0	146.2





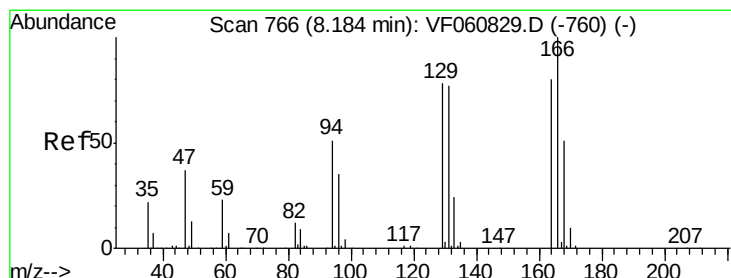
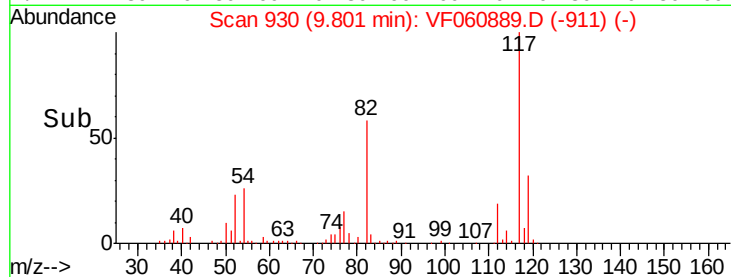
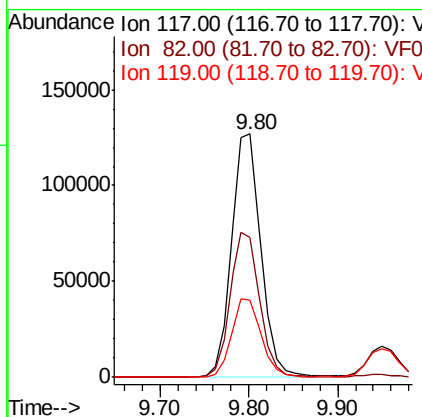
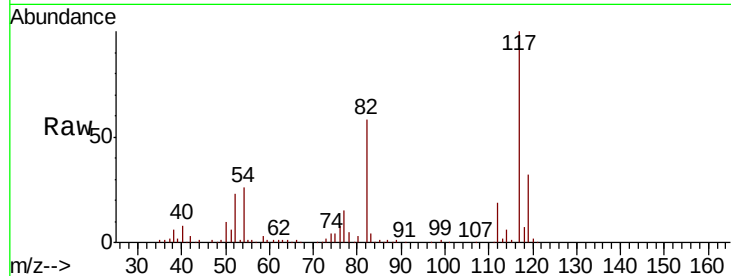
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	295158		
82	57.6	46.6	69.8	
119	31.9	26.4	39.6	

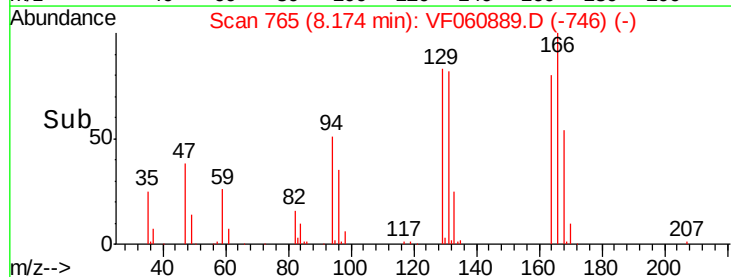
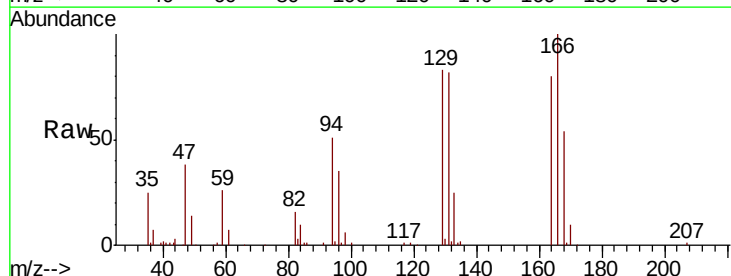
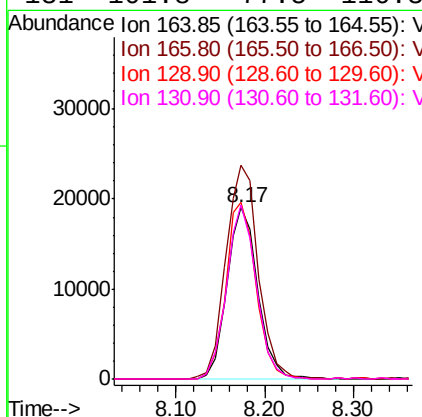
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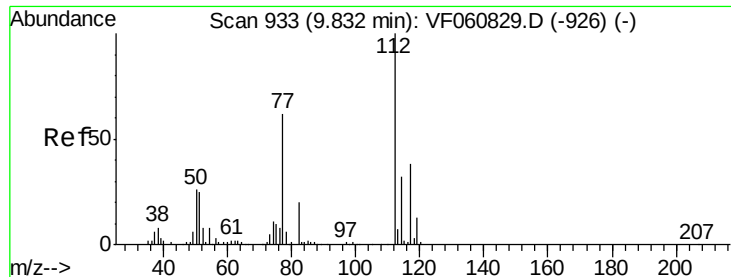
apatel
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#64
Tetrachloroethene
Concen: 20.497 ug/l
RT: 8.17 min Scan# 765
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	46208		
166	124.9	100.3	150.5	
129	103.2	77.9	116.9	
131	101.8	77.5	116.3	





#65

Chlorobenzene

Concen: 22.128 ug/l

RT: 9.82 min Scan# 932

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion:112 Resp: 127058

Ion Ratio Lower Upper

112 100

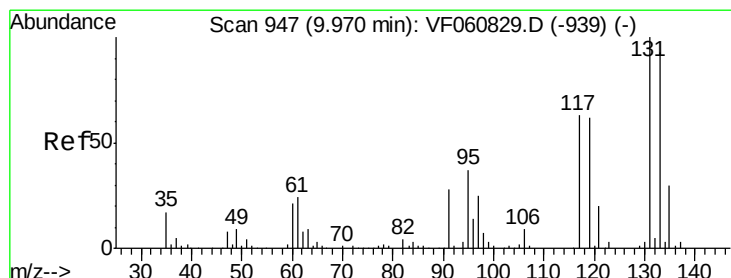
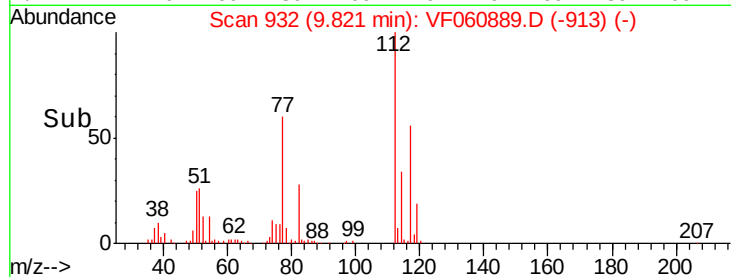
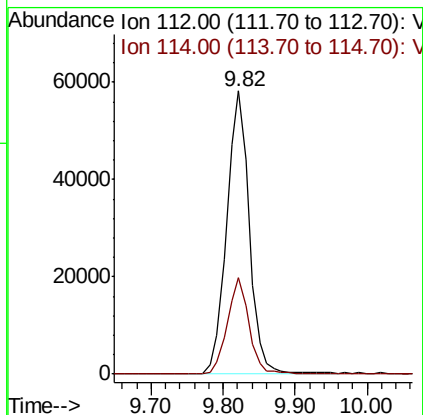
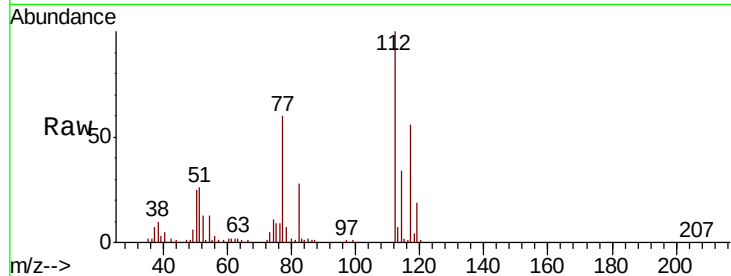
114 34.0 26.0 39.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 22.046 ug/l

RT: 9.95 min Scan# 945

Delta R.T. -0.02 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

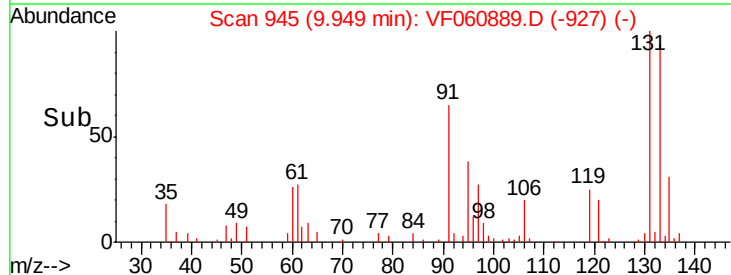
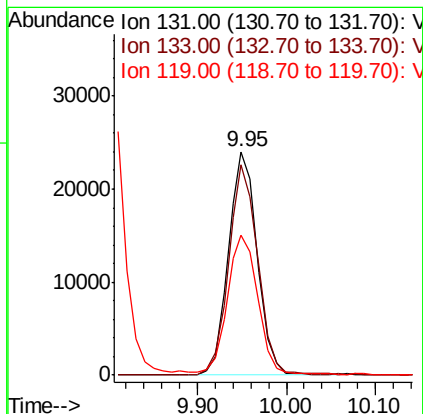
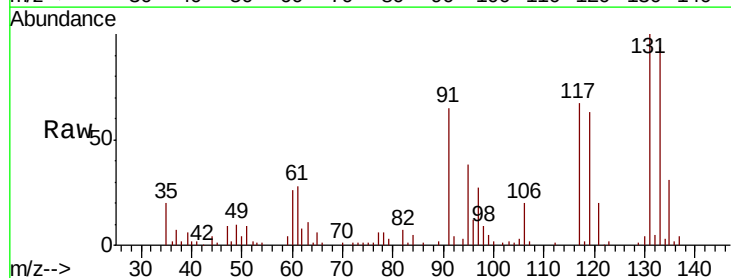
Tgt Ion:131 Resp: 54419

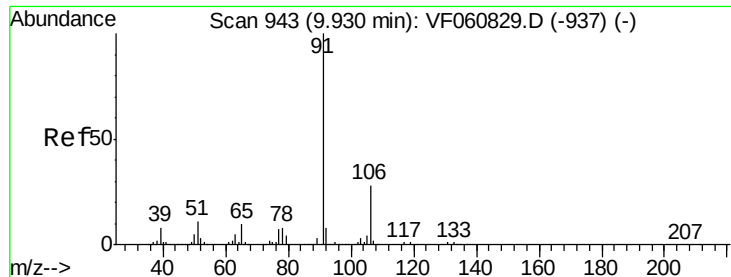
Ion Ratio Lower Upper

131 100

133 94.1 46.5 139.3

119 62.6 31.1 93.3





#67

Ethyl Benzene

Concen: 22.693 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion: 91 Resp: 242578

Ion Ratio Lower Upper

91 100

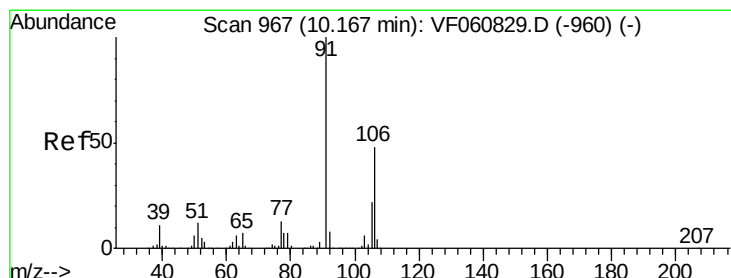
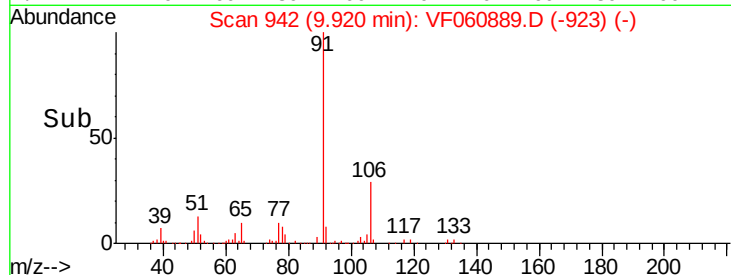
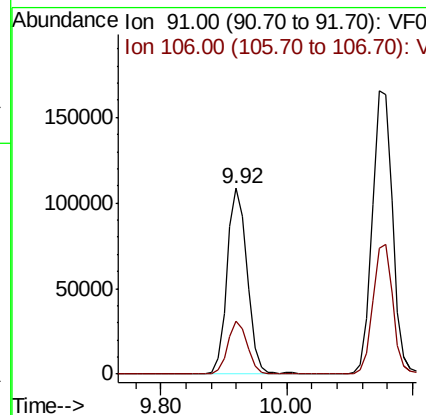
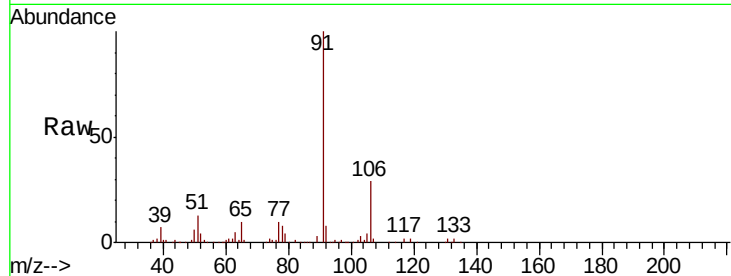
106 28.7 22.2 33.2

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#68

m/p-Xylenes

Concen: 43.106 ug/l

RT: 10.16 min Scan# 966

Delta R.T. -0.01 min

Lab File: VF060889.D

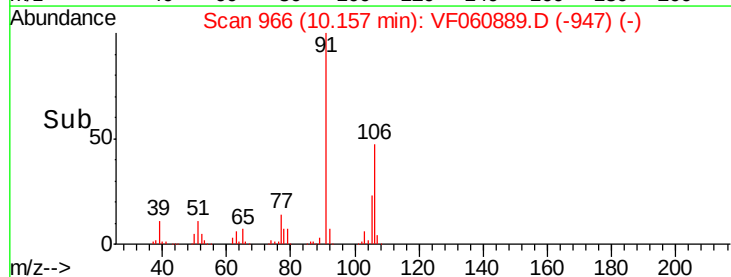
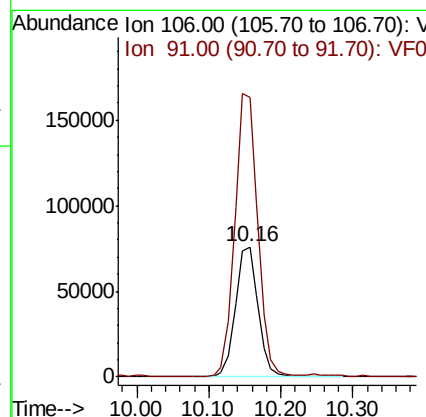
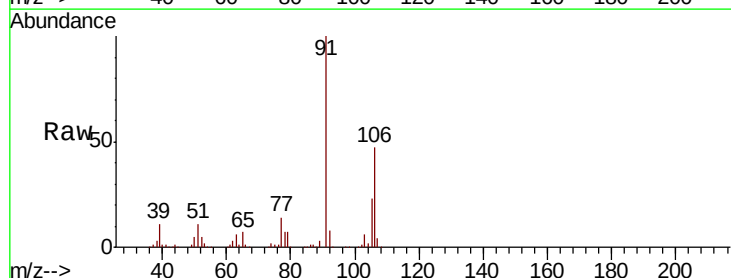
Acq: 3 Dec 2018 14:06

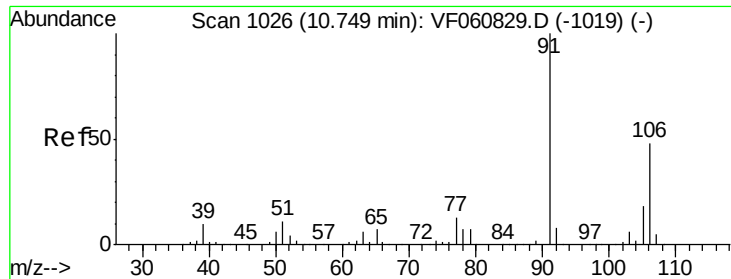
Tgt Ion: 106 Resp: 165730

Ion Ratio Lower Upper

106 100

91 214.5 166.7 250.1





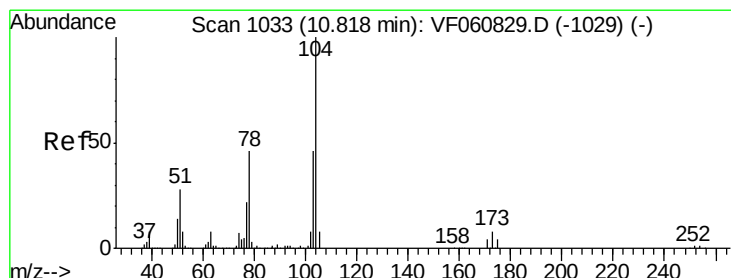
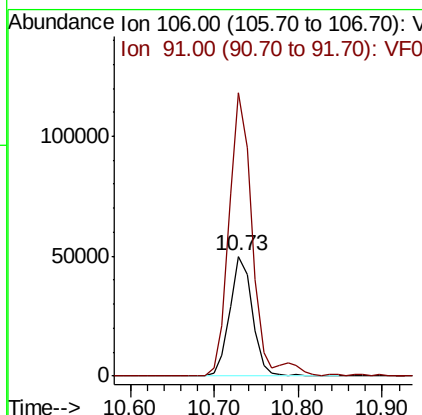
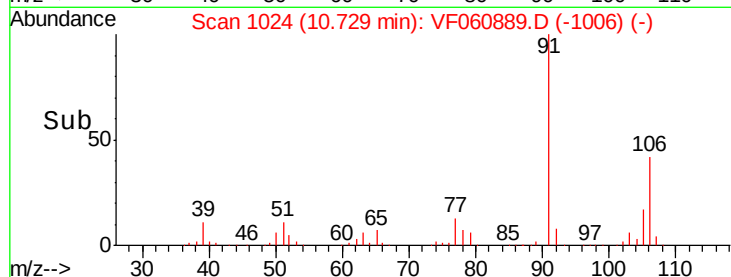
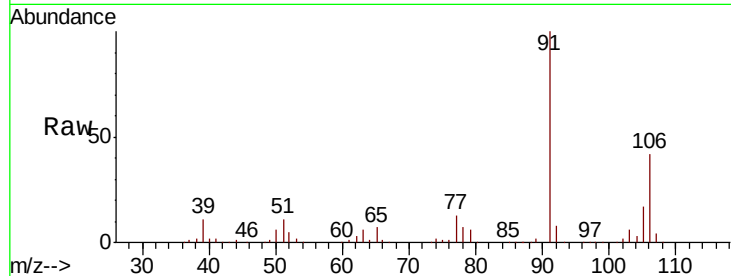
#69
o-Xylene
Concen: 22.092 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.02 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion:106 Resp: 93663
Ion Ratio Lower Upper
106 100
91 236.4 104.8 314.6

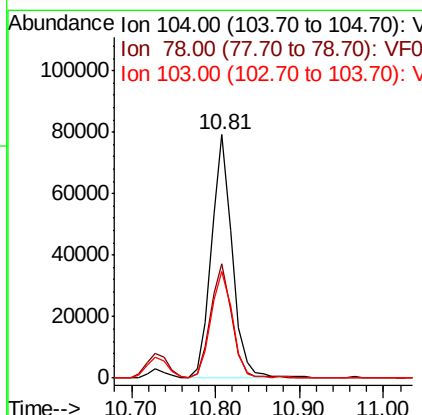
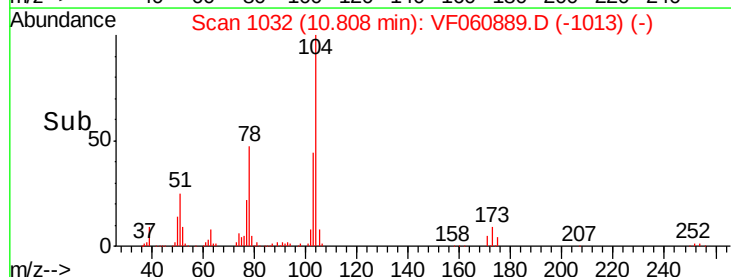
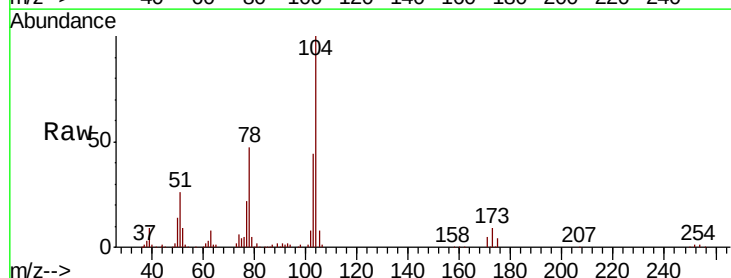
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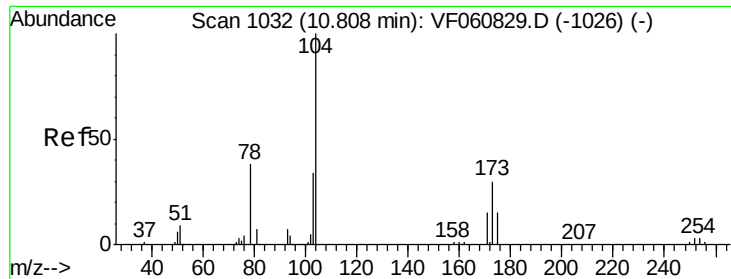
apatel
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#70
Styrene
Concen: 22.918 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion:104 Resp: 134691
Ion Ratio Lower Upper
104 100
78 47.2 37.3 55.9
103 44.0 36.8 55.2





#71

Bromoform

Concen: 23.602 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion:173 Resp: 28142

Ion Ratio Lower Upper

173 100

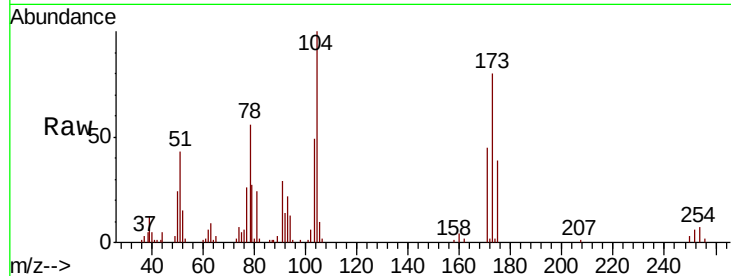
175 48.5 25.5 76.5

254 0.0 7.5 11.3#

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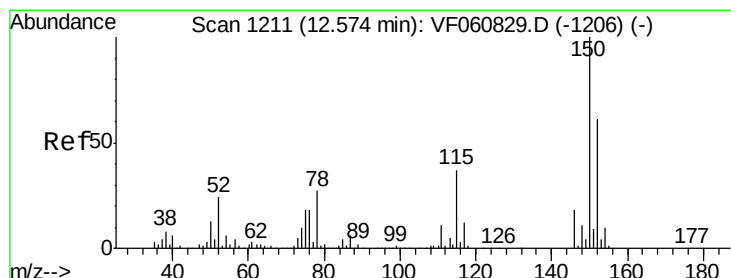
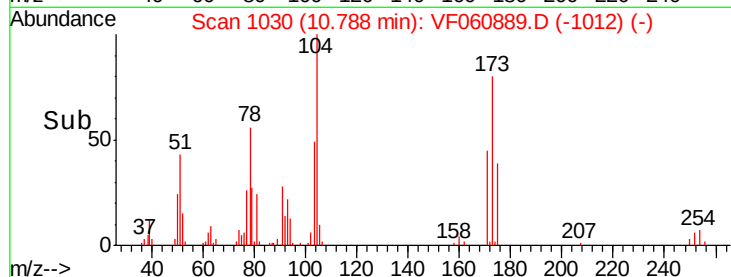
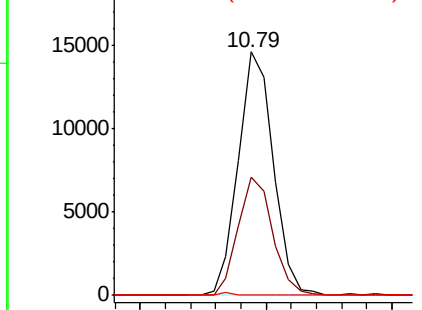
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

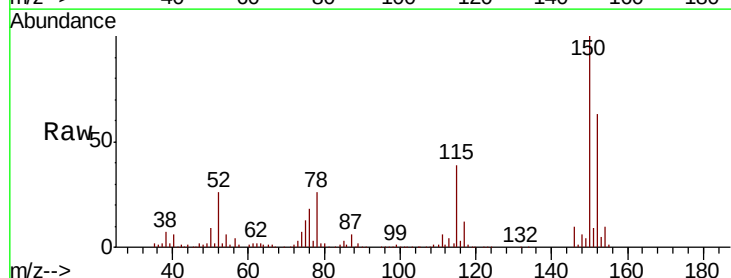
Tgt Ion:152 Resp: 164762

Ion Ratio Lower Upper

152 100

115 62.1 30.1 90.5

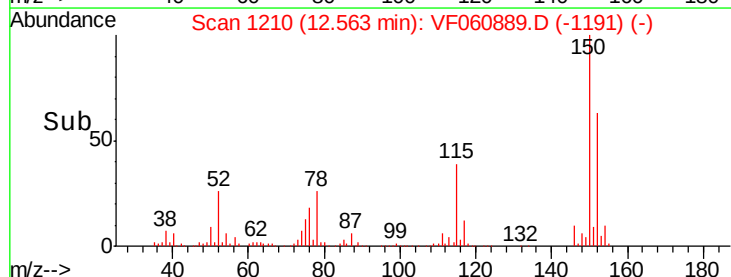
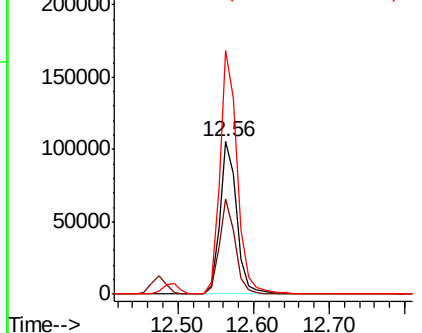
150 159.5 0.0 327.6

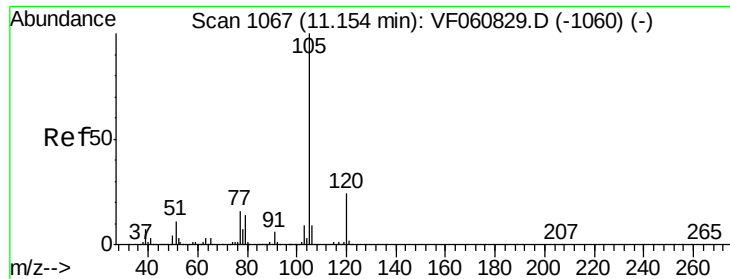


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





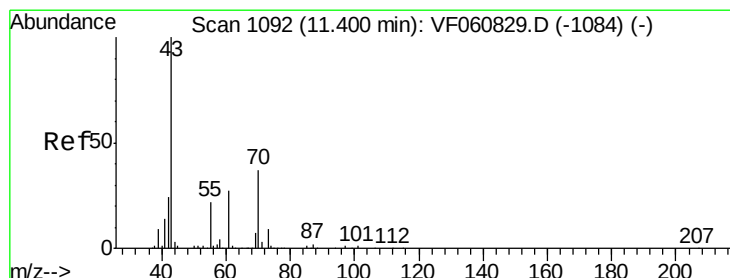
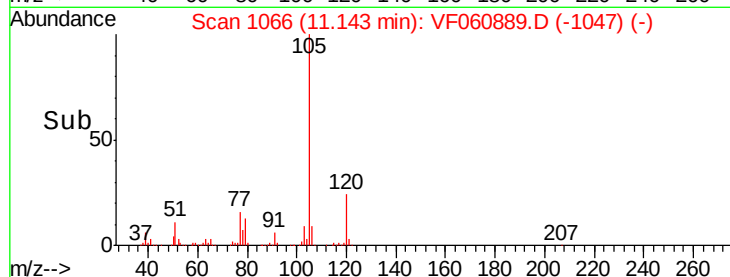
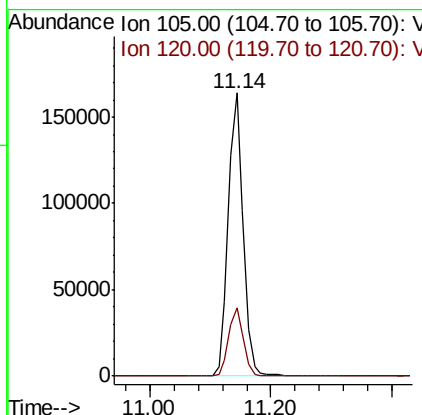
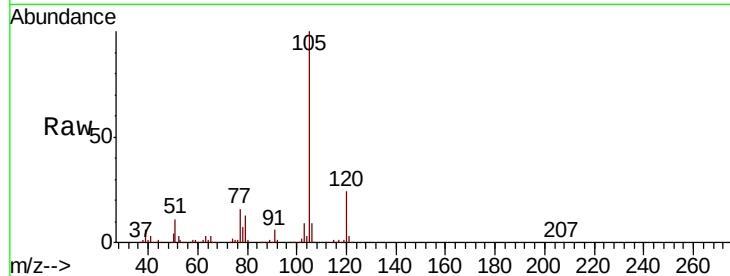
#73
Isopropylbenzene
Concen: 21.689 ug/l
RT: 11.14 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.3	12.2	36.4

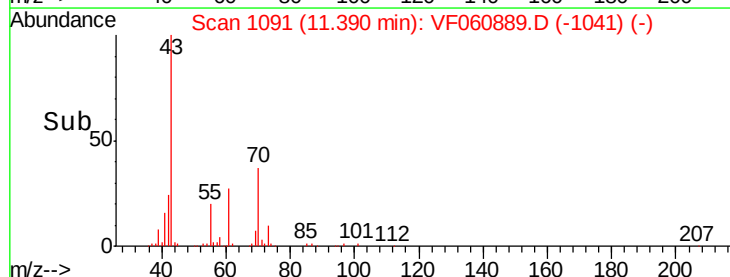
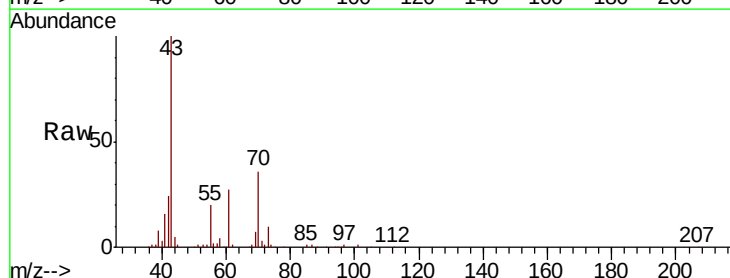
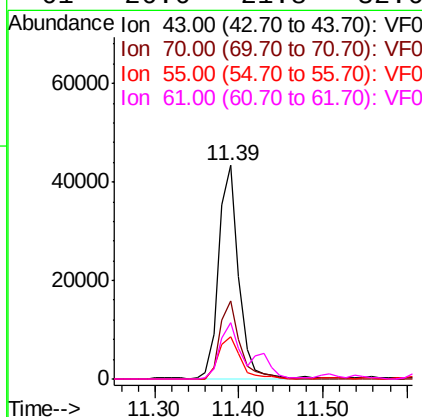
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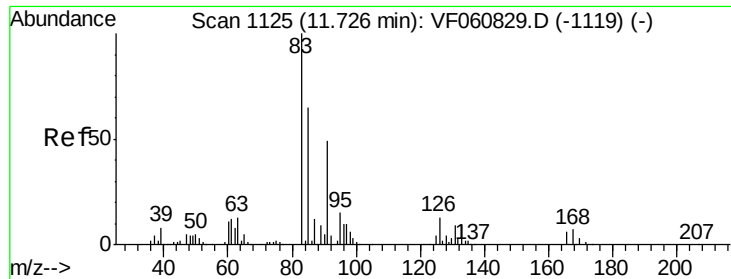
apatel
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#74
N-ethyl acetate
Concen: 23.622 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.4	29.6	44.4
55	19.9	17.2	25.8
61	26.6	21.8	32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.657 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

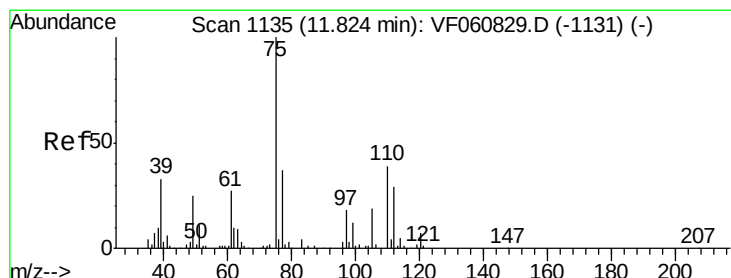
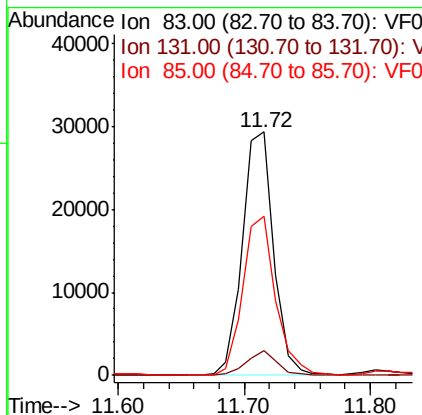
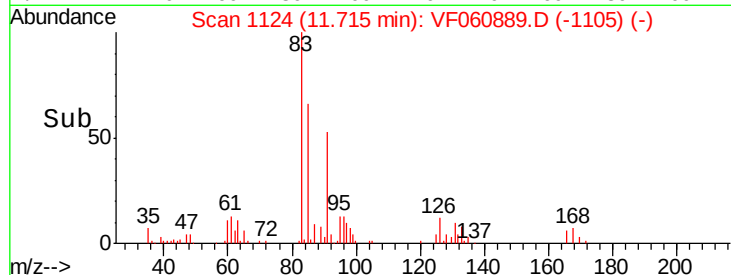
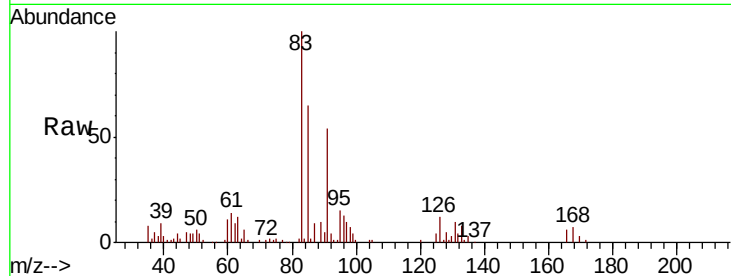
ClientSampleId :

VF1203SBS01

Tot Ion:	83	Resp:	50695
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.7	14.1
85	65.3	32.6	97.8

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#76

1,2,3-Trichloropropane

Concen: 22.963 ug/l

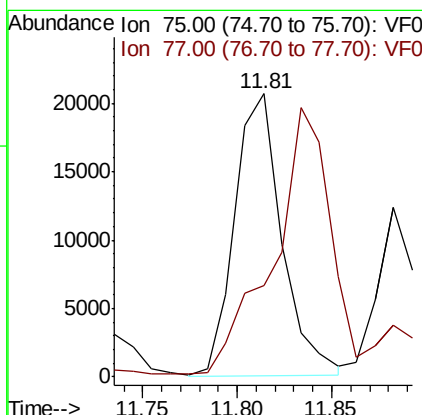
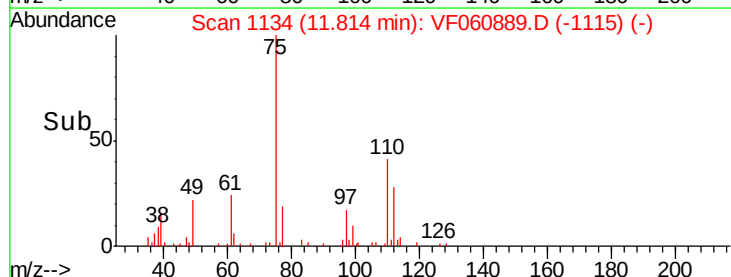
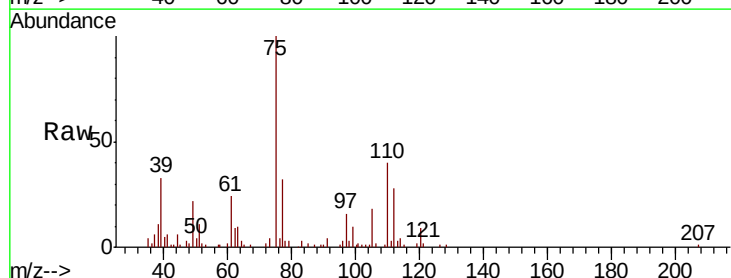
RT: 11.81 min Scan# 1134

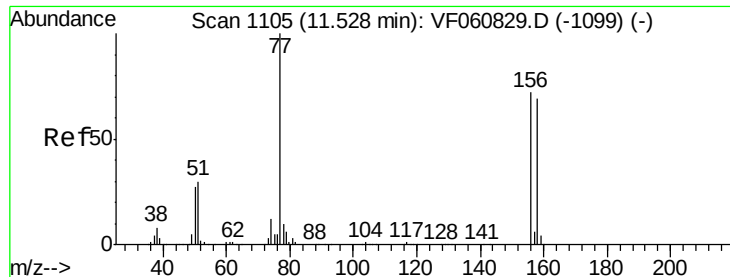
Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Tgt Ion:	75	Resp:	35767
Ion Ratio	Lower	Upper	
75	100		
77	32.3	18.4	55.4





#77

Bromobenzene

Concen: 21.306 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.02 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion:156 Resp: 60819

Ion Ratio Lower Upper

156 100

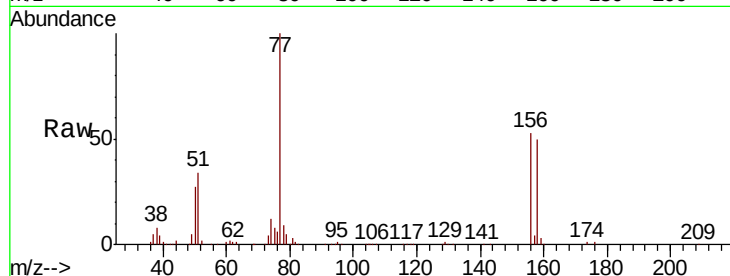
77 190.0 69.7 209.0

158 95.5 47.8 143.4

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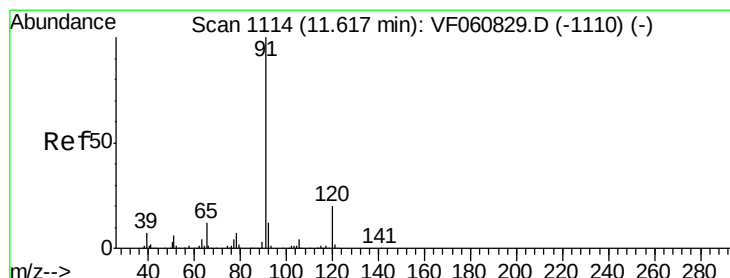
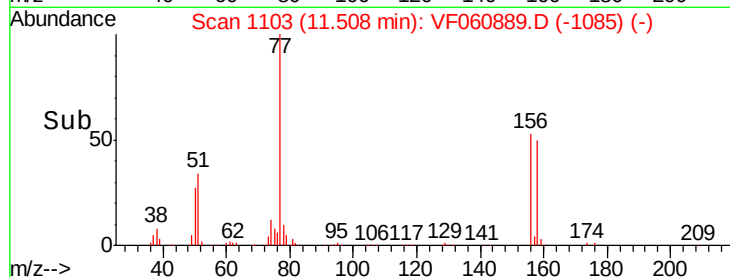
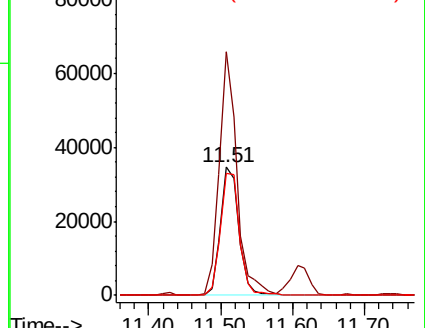
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 21.417 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060889.D

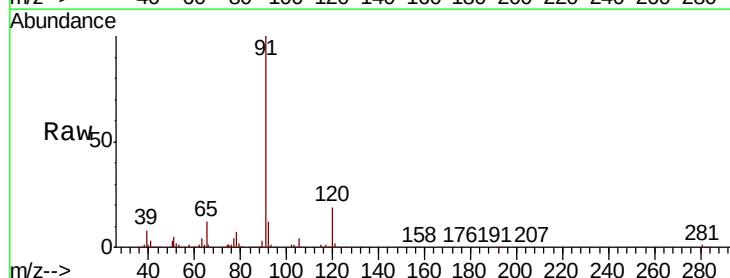
Acq: 3 Dec 2018 14:06

Tgt Ion: 91 Resp: 326560

Ion Ratio Lower Upper

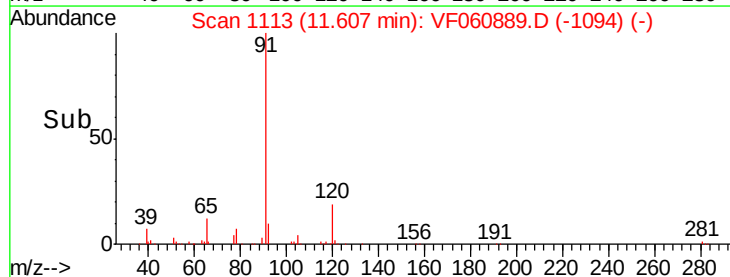
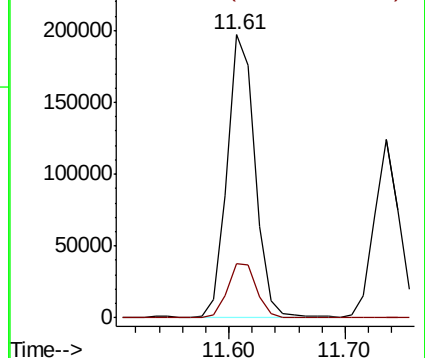
91 100

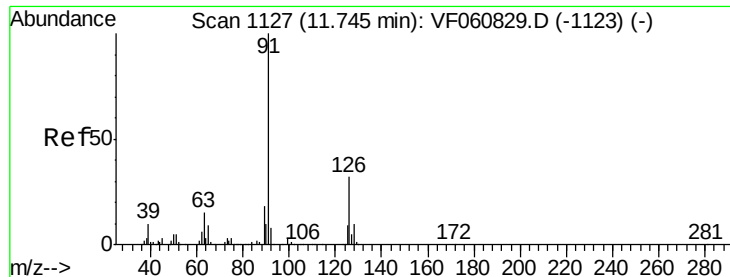
120 19.1 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





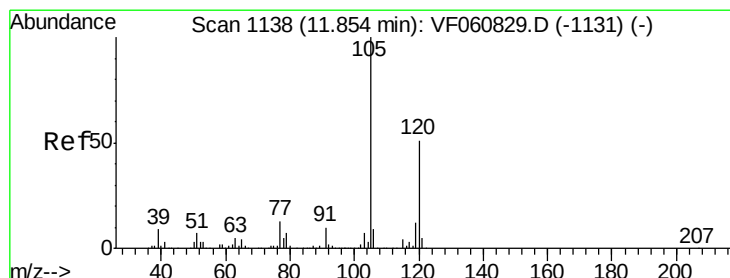
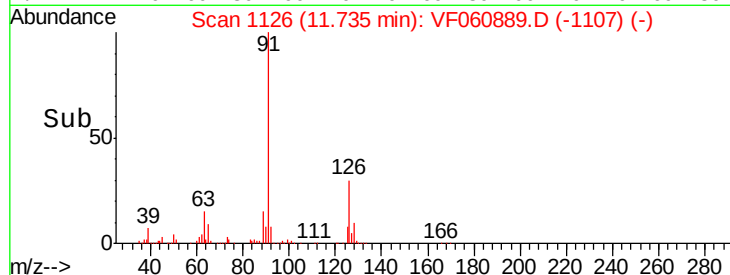
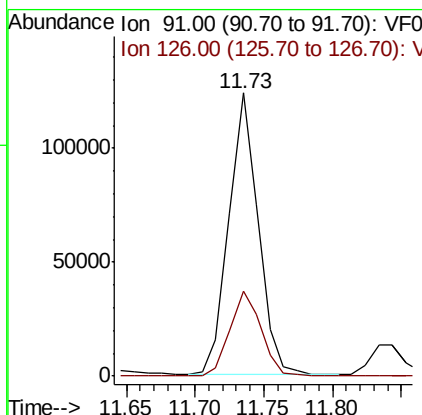
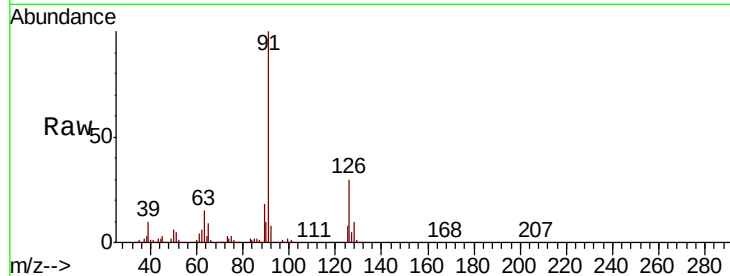
#79
 2-Chlorotoluene
 Concen: 21.102 ug/l
 RT: 11.73 min Scan# 1126
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.9	47.6

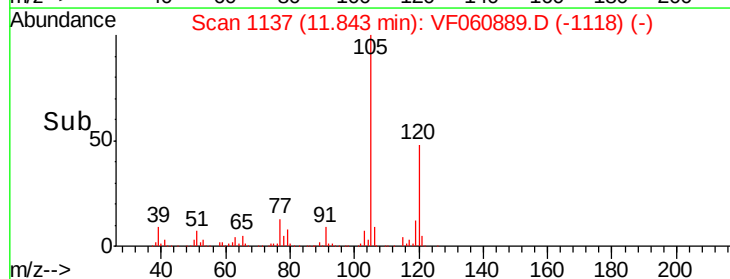
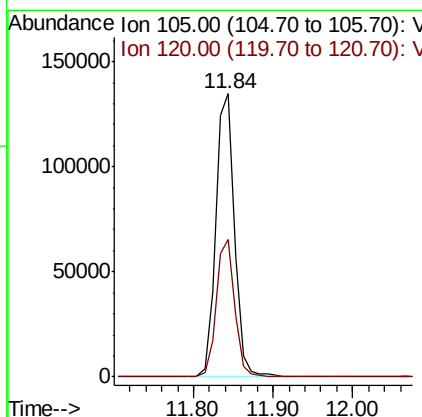
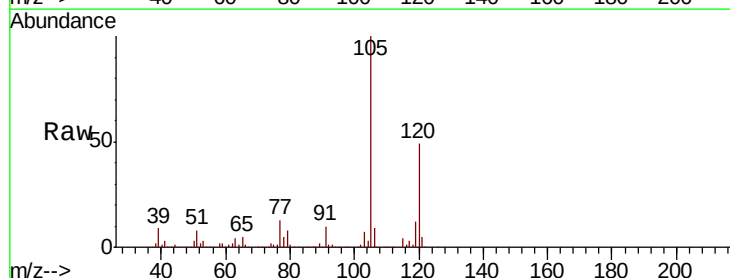
Manual Integrations
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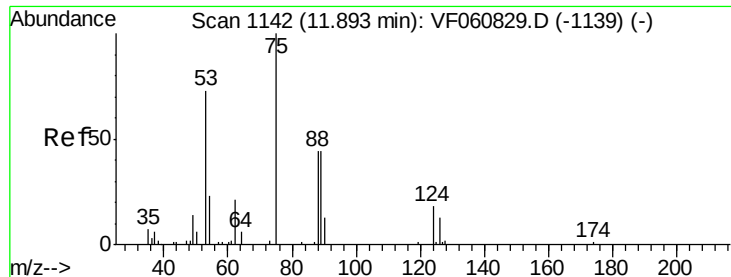
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.186 ug/l
 RT: 11.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.8	25.8	77.3





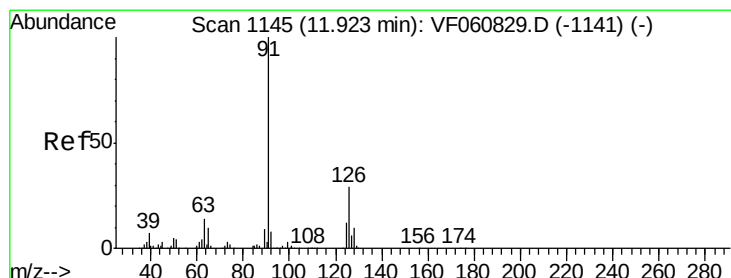
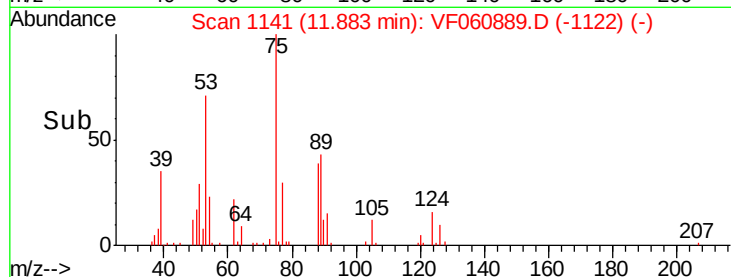
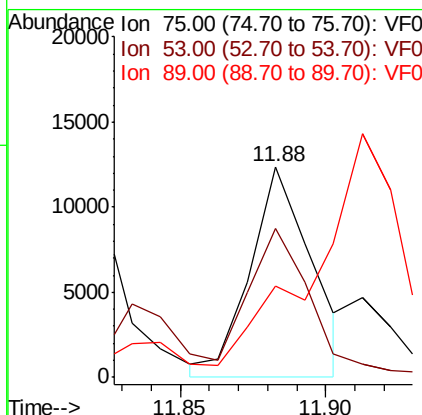
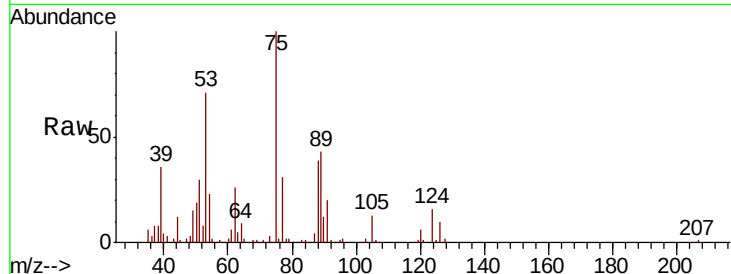
#81
trans-1,4-Dichloro-2-butene
Concen: 23.809 ug/l m
RT: 11.88 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	70.7	65.9	98.9
89	43.3	38.8	58.2

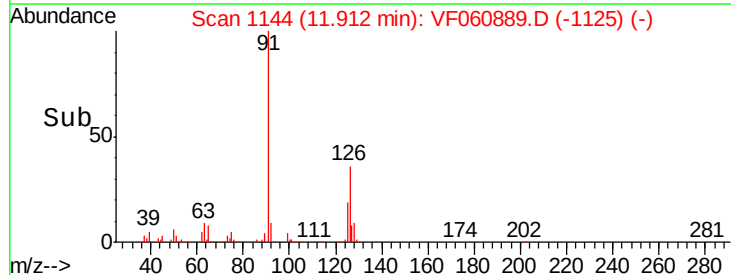
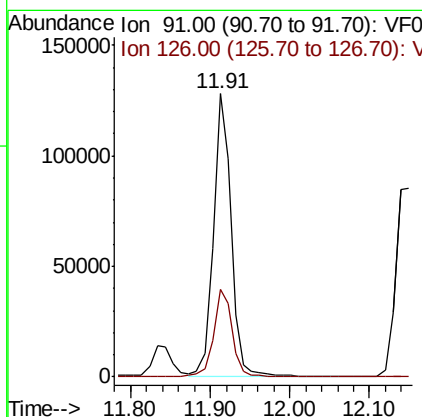
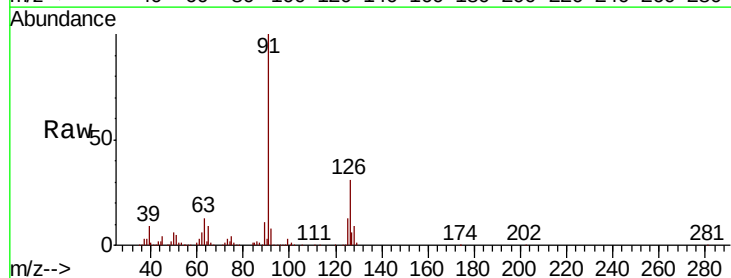
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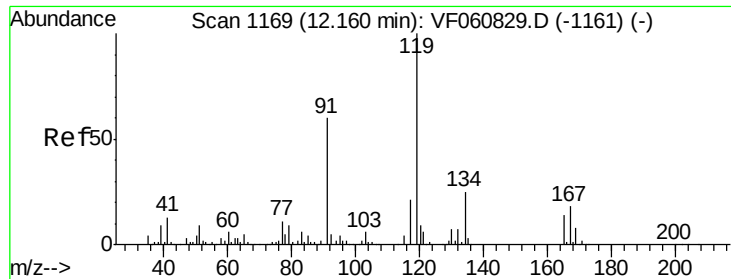
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#82
4-Chlorotoluene
Concen: 21.690 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	14.8	44.4





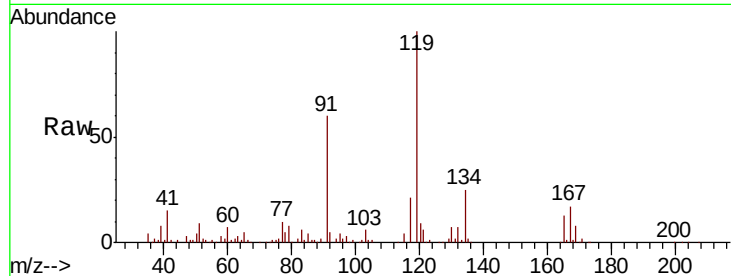
#83
tert-Butylbenzene
Concen: 21.818 ug/l
RT: 12.15 min Scan# 1168
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

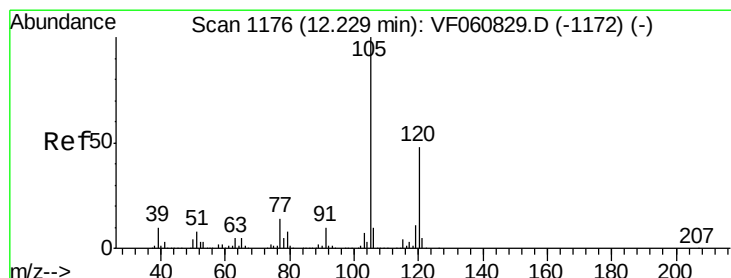
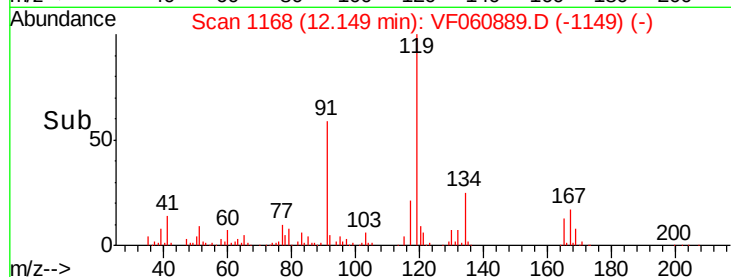
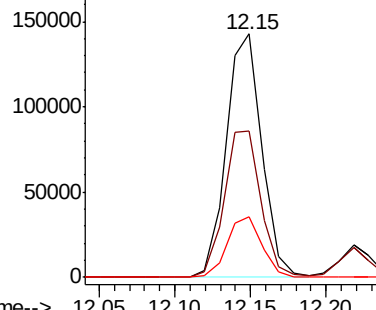
Tot Ion	Ratio	Resp	Lower	Upper
119	100	234921		
91	60.0	30.1	90.3	
134	24.7	12.6	37.8	

Manual Integrations
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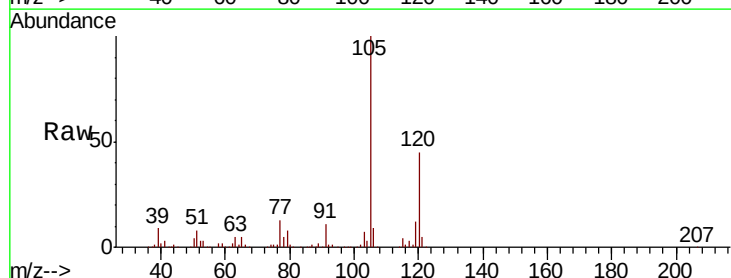


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

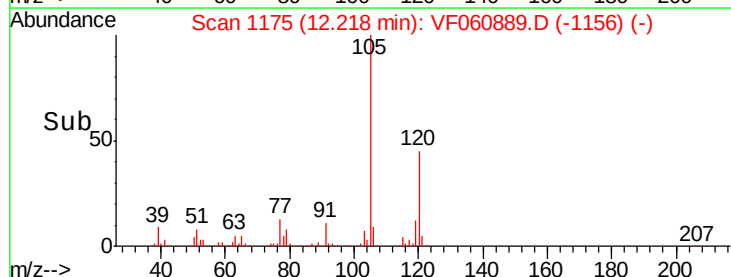
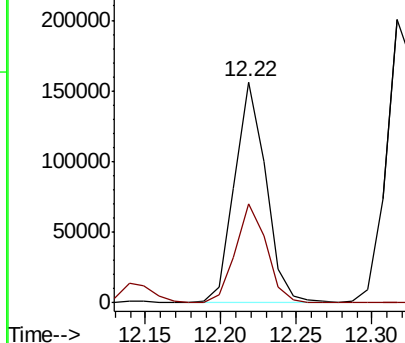


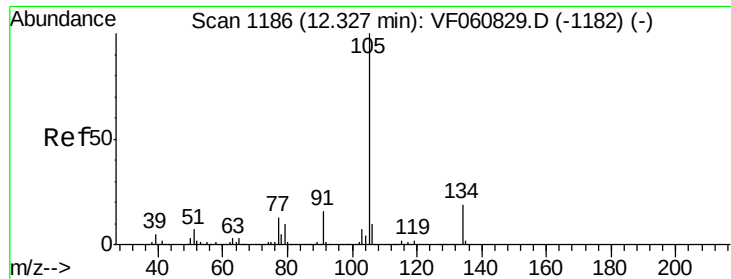
#84
1,2,4-Trimethylbenzene
Concen: 21.388 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	225627		
120	44.6	23.8	71.5	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.819 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

Instrument :

MSVOA_F

ClientSampleId :

VF1203SBS01

Tot Ion:105 Resp: 306856

Ion Ratio Lower Upper

105 100

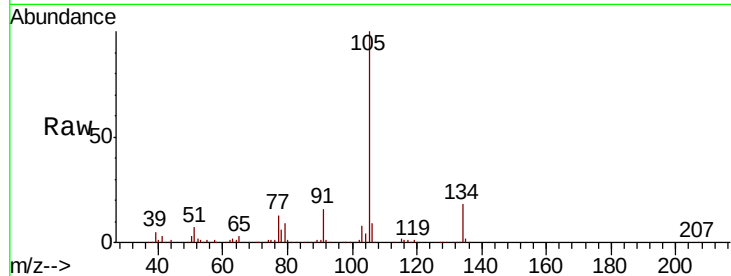
134 18.2 9.5 28.5

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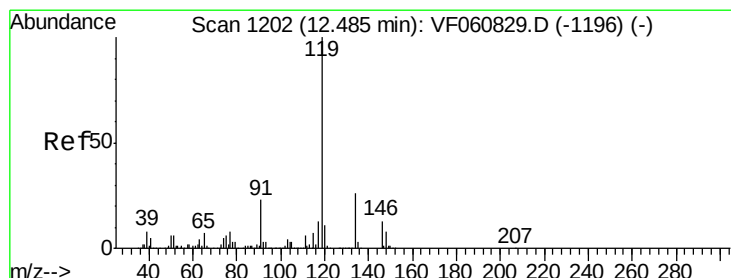
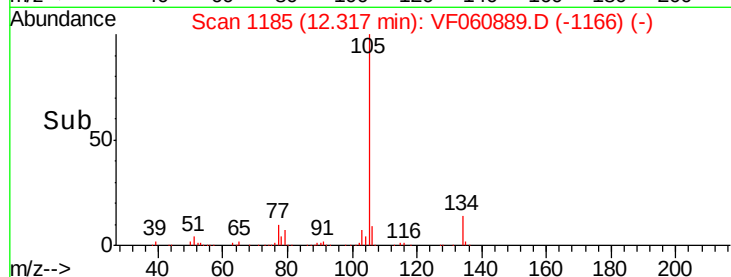
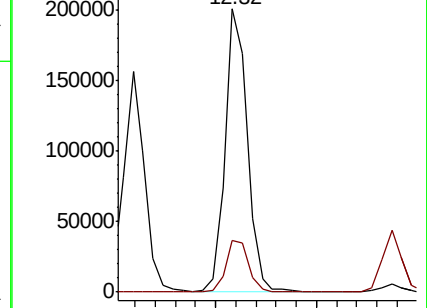
apatel

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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: 20.052 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF060889.D

Acq: 3 Dec 2018 14:06

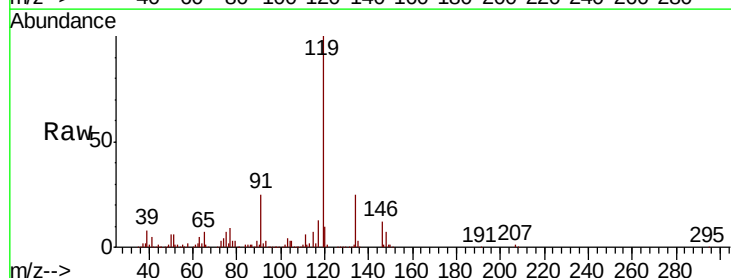
Tgt Ion:119 Resp: 247789

Ion Ratio Lower Upper

119 100

134 24.8 12.9 38.6

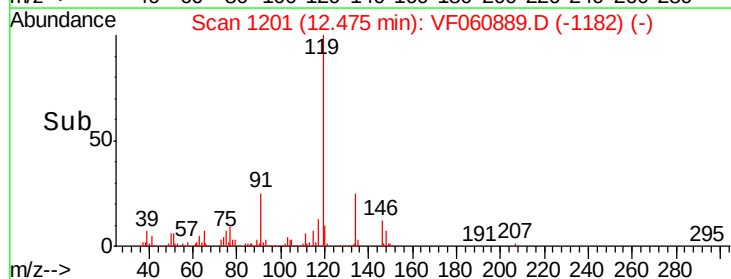
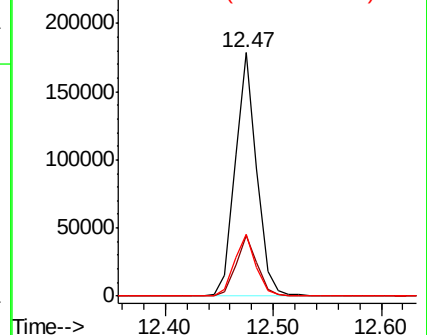
91 25.4 11.8 35.3

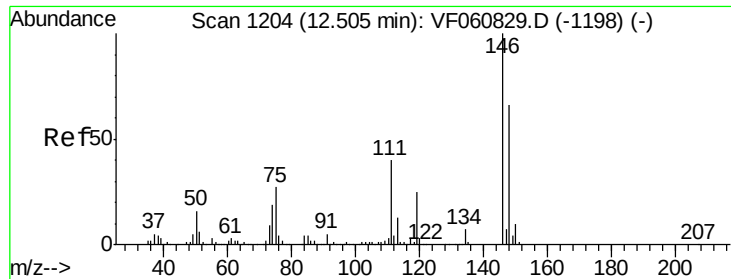


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





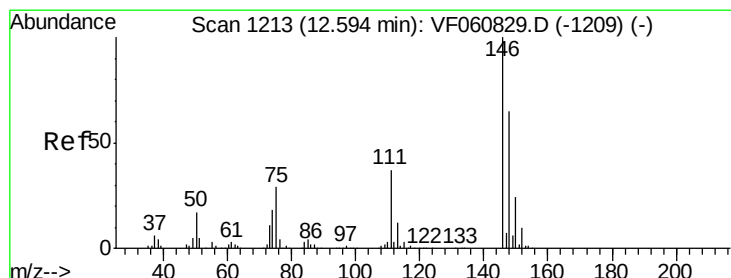
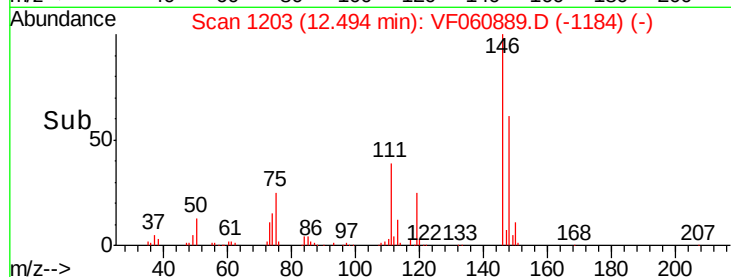
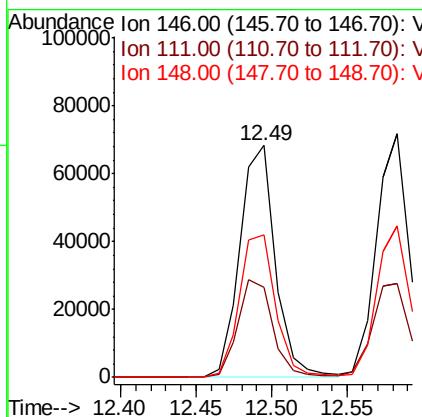
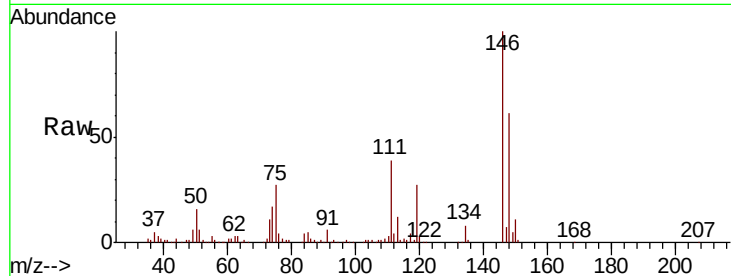
#87
 1,3-Dichlorobenzene
 Concen: 20.630 ug/l
 RT: 12.49 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.0	59.9
148	61.3	32.9	98.6

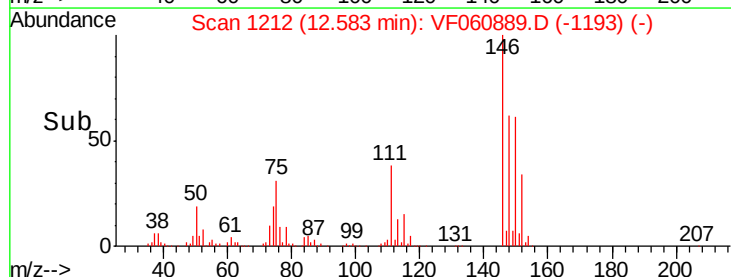
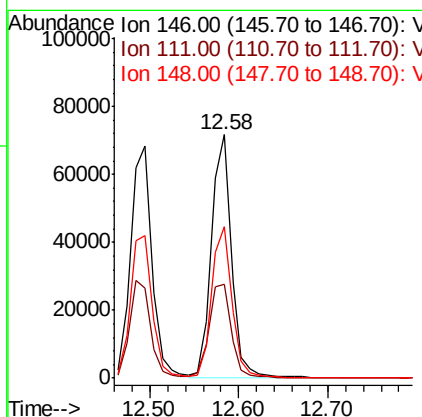
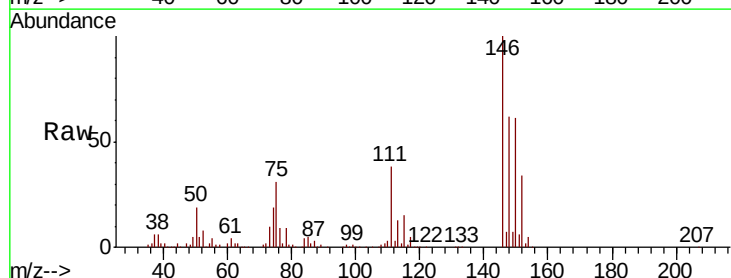
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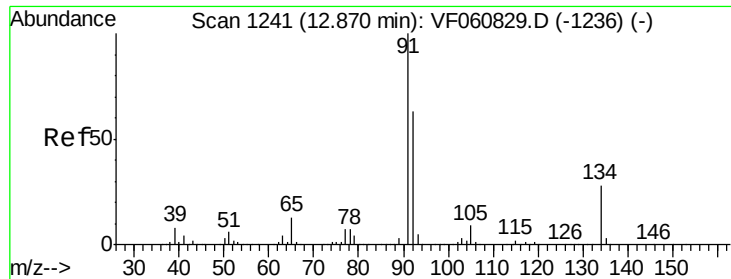
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#88
 1,4-Dichlorobenzene
 Concen: 21.131 ug/l
 RT: 12.58 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.7
148	62.2	32.3	96.9





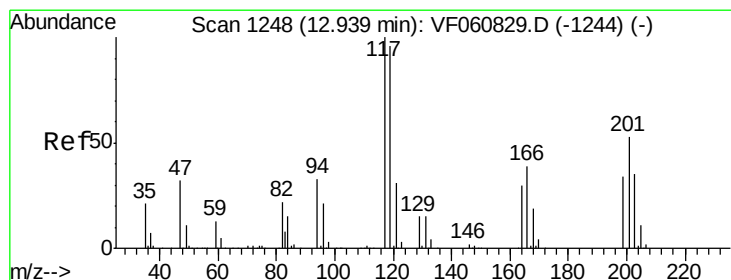
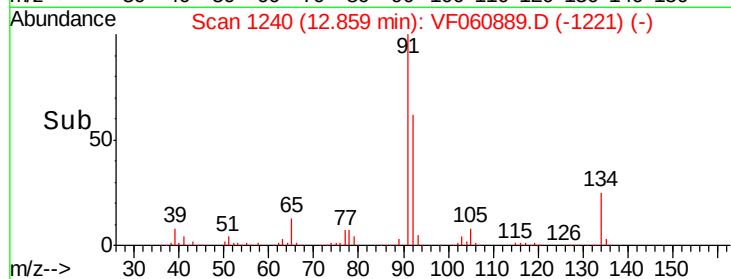
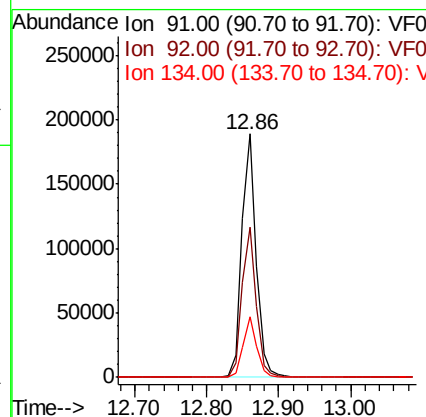
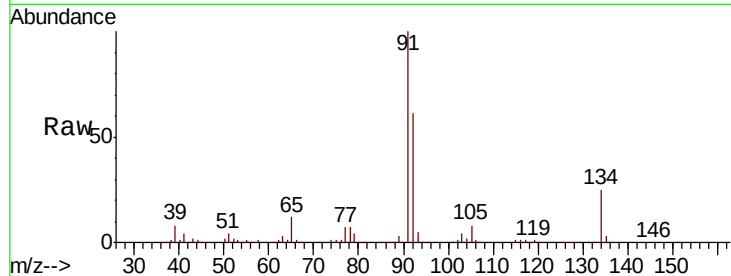
#89
n-Butylbenzene
Concen: 21.167 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.5	31.6	94.7
134	25.1	13.8	41.4

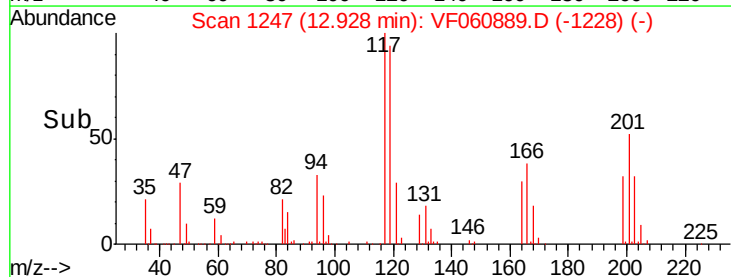
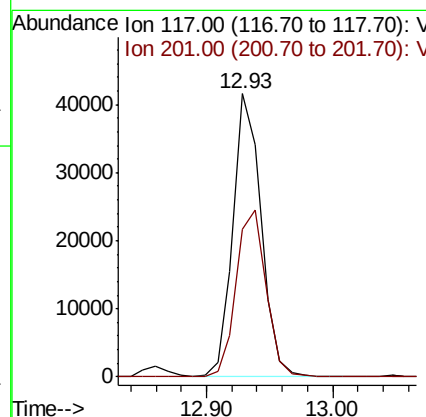
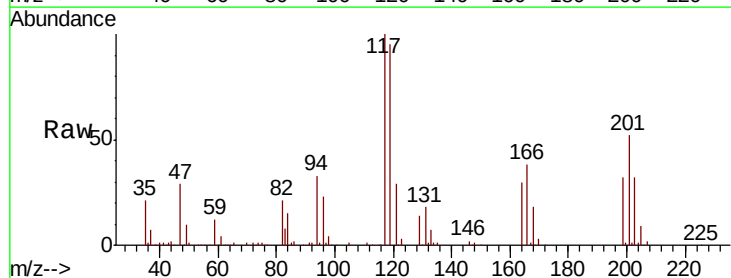
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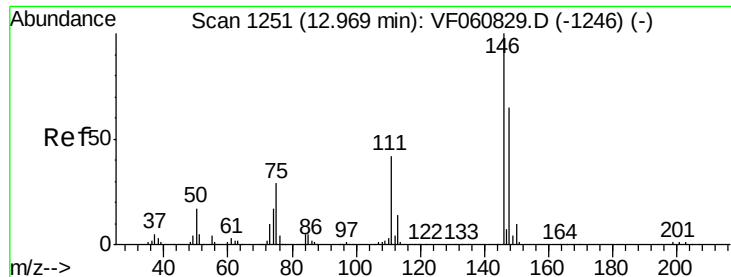
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#90
Hexachloroethane
Concen: 21.547 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	52.1	26.7	80.1





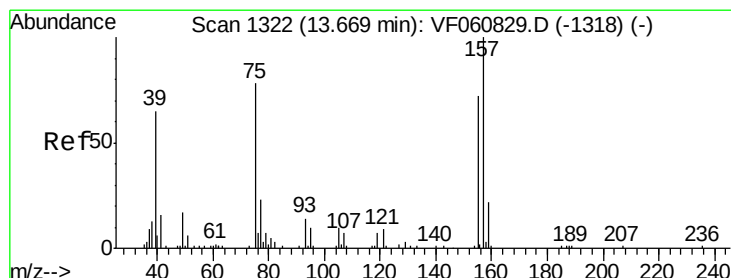
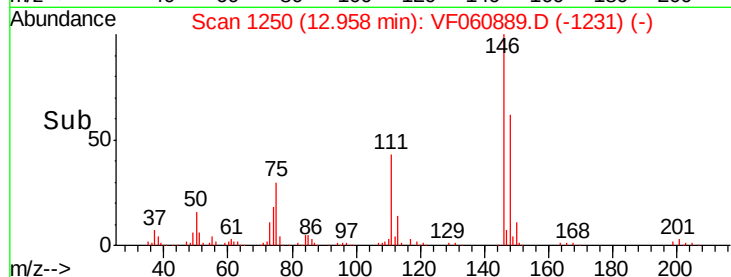
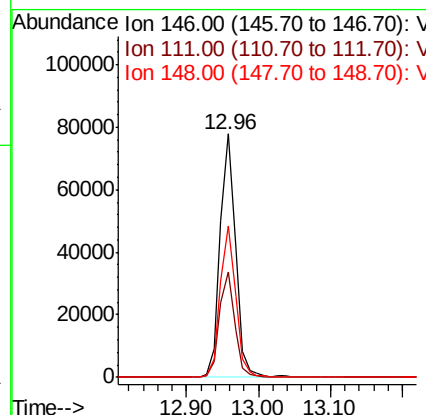
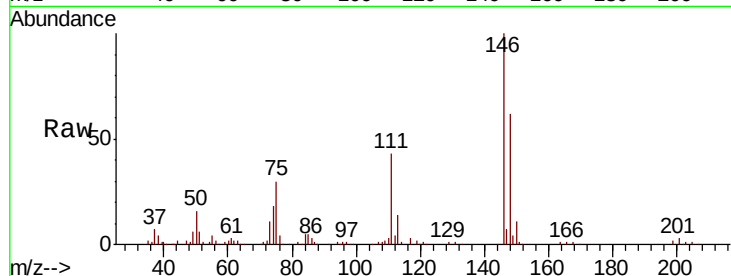
#91
 1,2-Dichlorobenzene
 Concen: 22.333 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Instrument :
 MSVOA_F
 ClientSampled :
 VF1203SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.2	63.6
148	62.1	32.5	97.5

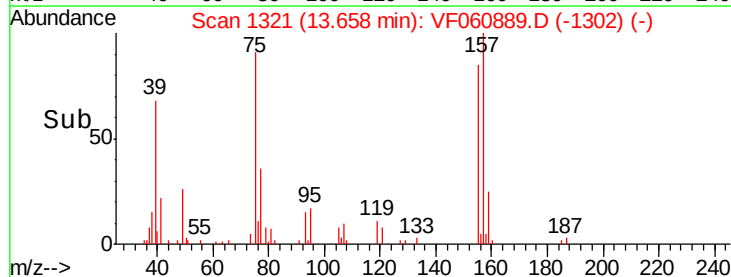
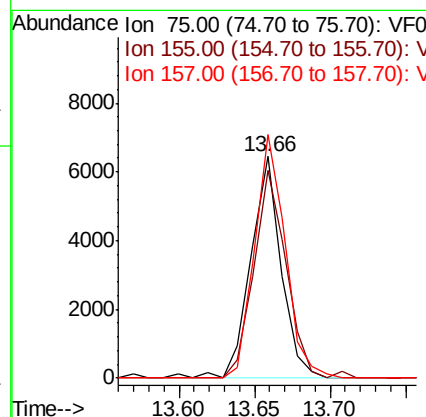
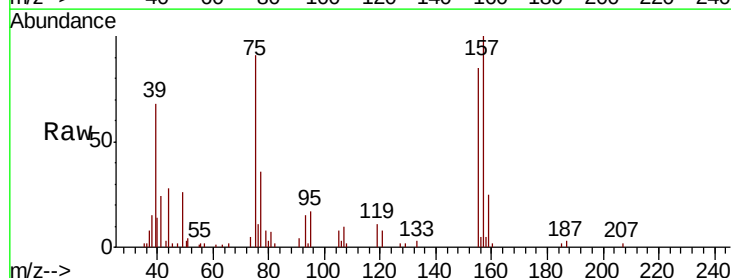
Manual Integrations
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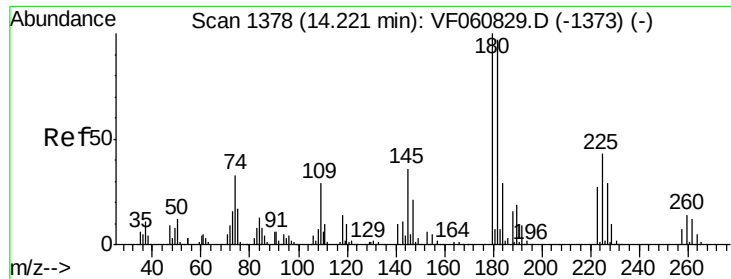
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.687 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.8	45.6	136.9
157	109.9	63.8	191.5





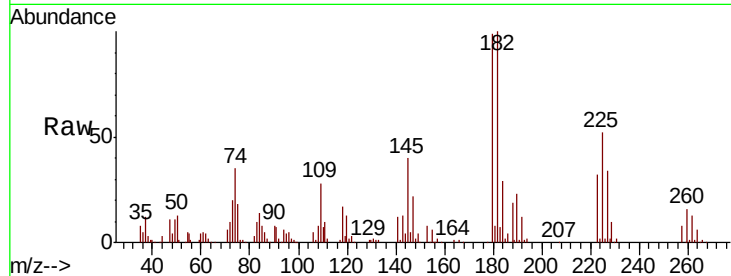
#93
 1,2,4-Trichlorobenzene
 Concen: 23.252 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1203SBS01

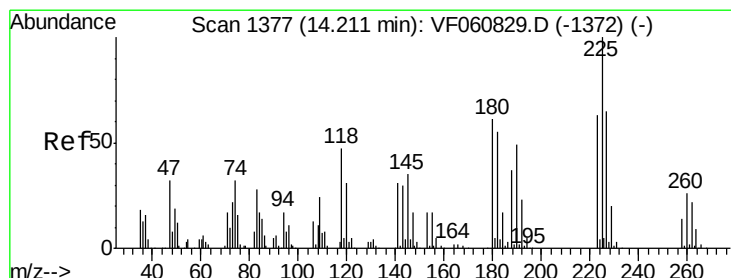
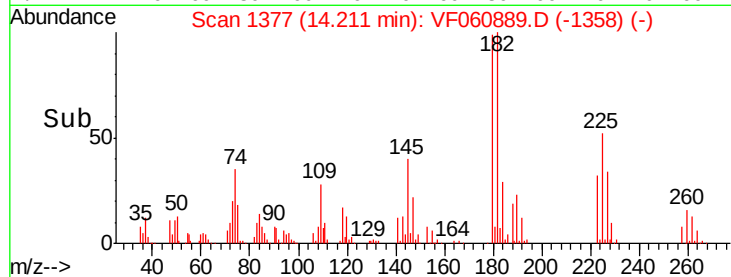
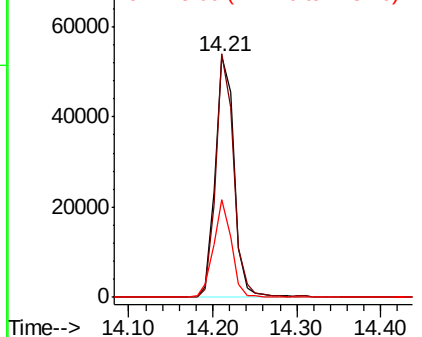
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	101.1	48.5	145.5	
145	40.7	18.1	54.3	

Manual Integrations
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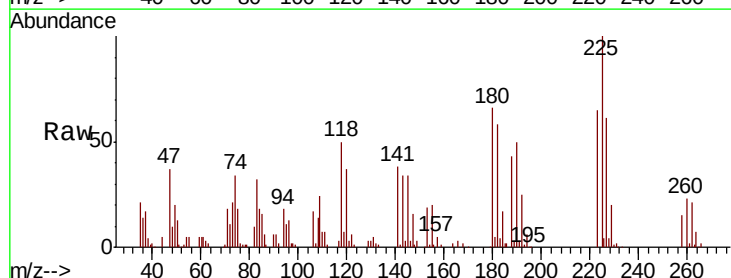


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

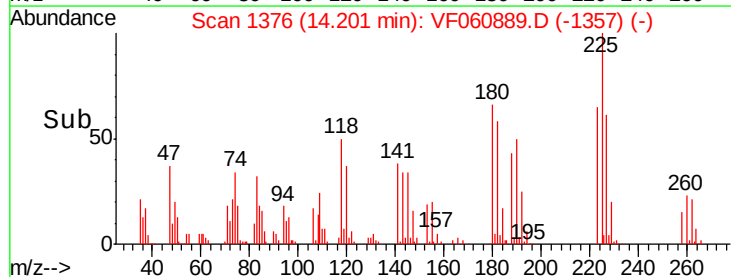
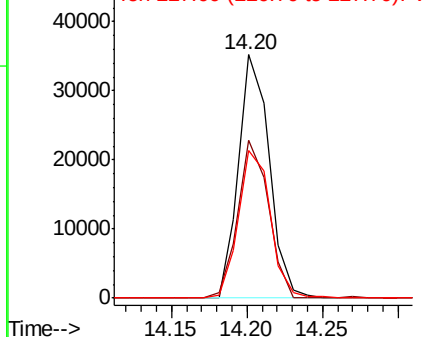


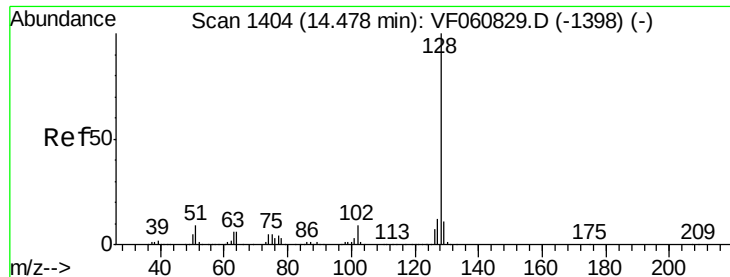
#94
 Hexachlorobutadiene
 Concen: 20.826 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060889.D
 Acq: 3 Dec 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.8	31.4	94.3	
227	60.7	32.5	97.5	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





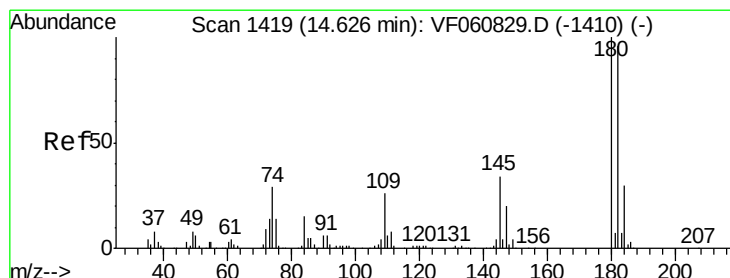
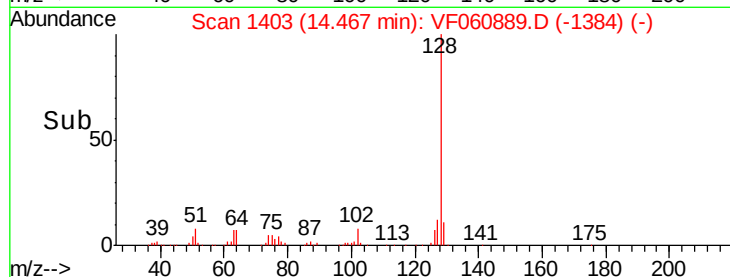
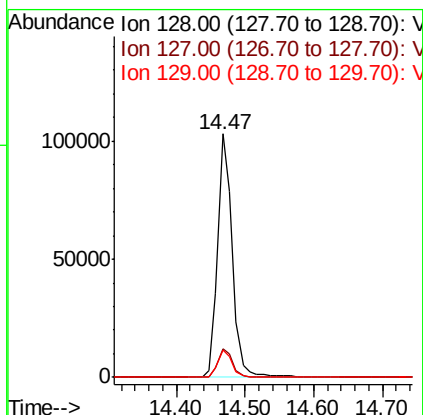
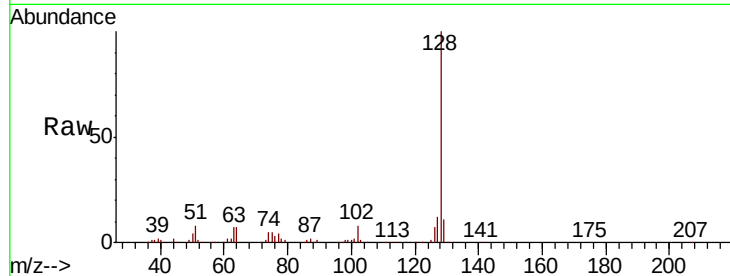
#95
Naphthalene
Concen: 19.797 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Instrument :
MSVOA_F
ClientSampleId :
VF1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	152790		
127	11.9		9.9	14.9
129	11.1		9.1	13.7

Manual Integrations
APPROVED

apatel
12/4/2018 2:47:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.856 ug/l
RT: 14.62 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF060889.D
Acq: 3 Dec 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	76248		
182	97.1		47.9	143.8
145	34.9		17.2	51.5

