

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112918\
 Data File : VF060883.D
 Acq On : 29 Nov 2018 23:02
 Operator : VA/AP
 Sample : J6139-02MS
 Misc : 7.25g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MS

Manual Integrations
 APPROVED

apatel
 12/3/2018 2:16:21 PM

Quant Time: Nov 30 06:49:59 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	4.87	168	172930	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	303216	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	293409	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	146787	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	116358	57.12	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	114.24%	
35) Dibromofluoromethane	4.11	113	116648	48.49	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	96.98%	
50) Toluene-d8	7.56	98	343739	48.51	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	11.42	95	162099	50.33	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	100.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	131318	50.787	ug/l	96
3) Chloromethane	1.10	50	92731	55.114	ug/l	99
4) Vinyl Chloride	1.14	62	98213	62.579	ug/l	97
5) Bromomethane	1.31	94	54402	49.159	ug/l	84
6) Chloroethane	1.37	64	33066	48.740	ug/l	90
7) Trichlorofluoromethane	1.49	101	170298	50.573	ug/l	90
8) Diethyl Ether	1.62	74	26960	55.677	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.81	101	89777	52.737	ug/l	95
10) Methyl Iodide	1.88	142	135650	52.423	ug/l	96
11) Tert butyl alcohol	2.58	59	30086	360.274	ug/l #	89
12) 1,1-Dichloroethene	1.77	96	66280	48.405	ug/l	88
13) Acrolein	2.00	56	6494	82.076	ug/l	83
14) Allyl chloride	2.09	41	116883	68.486	ug/l	97
15) Acrylonitrile	2.95	53	67095	358.376	ug/l #	88
16) Acetone	2.24	43	156764	417.296	ug/l	97
17) Carbon Disulfide	1.83	76	201120	54.780	ug/l #	94
18) Methyl Acetate	2.34	43	54669	87.997	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	179077	58.067	ug/l	96
20) Methylene Chloride	2.23	84	79868m	57.953	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	82635	62.598	ug/l	94
22) Diisopropyl ether	2.80	45	260612	56.099	ug/l	94
23) Vinyl Acetate	3.18	43	542489	255.466	ug/l	97
24) 1,1-Dichloroethane	2.87	63	161429	58.406	ug/l	99
25) 2-Butanone	4.34	43	212111	326.439	ug/l	98
26) 2,2-Dichloropropane	3.60	77	91347	50.978	ug/l	93
27) cis-1,2-Dichloroethene	3.48	96	205138	95.452	ug/l	91
28) Bromochloromethane	3.71	49	76571	57.725	ug/l	97
29) Tetrahydrofuran	4.07	42	92106	334.410	ug/l	98
30) Chloroform	3.86	83	230891	54.278	ug/l	96
31) Cyclohexane	3.69	56	153326	53.453	ug/l	98
32) 1,1,1-Trichloroethane	4.09	97	171800	58.235	ug/l	96
36) 1,1-Dichloropropene	4.28	75	161789	48.106	ug/l	95
37) Ethyl Acetate	4.12	43	83225	60.895	ug/l #	81
38) Carbon Tetrachloride	3.99	117	140493	47.296	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	149680	42.468	ug/l	95
40) Benzene	4.63	78	361353	48.635	ug/l	97
41) Methacrylonitrile	4.74	41	45126	64.931	ug/l	95
42) 1,2-Dichloroethane	4.95	62	148413	54.714	ug/l	100
43) Isopropyl Acetate	6.96	43	104882	62.900	ug/l #	88
44) Trichloroethene	5.51	130	328137	135.073	ug/l	98
45) 1,2-Dichloropropane	6.24	63	108279	56.113	ug/l	94
46) Dibromomethane	6.09	93	73477	56.132	ug/l	98
47) Bromodichloromethane	6.39	83	181954	52.335	ug/l	98
48) Methyl methacrylate	6.72	41	73996	59.814	ug/l	94
49) 1,4-Dioxane	6.70	88	11753	1298.101	ug/l	97
51) 4-Methyl-2-Pentanone	8.26	43	382425	303.435	ug/l	97
52) Toluene	7.63	92	259987	49.816	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	147791	52.260	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	180329	51.508	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	87013	57.218	ug/l	97
56) Ethyl methacrylate	8.63	69	99343	58.806	ug/l	98
57) 1,3-Dichloropropane	8.86	76	156506	58.824	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.30	63	46192	267.325	ug/l	99
59) 2-Hexanone	9.50	43	288304	326.065	ug/l	97
60) Dibromochloromethane	8.73	129	120283	53.086	ug/l	97
61) 1,2-Dibromoethane	8.99	107	95195	57.946	ug/l	95
64) Tetrachloroethene	8.16	164	207314	92.507	ug/l	97
65) Chlorobenzene	9.80	112	292049	51.165	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.94	131	118990	48.491	ug/l	97
67) Ethyl Benzene	9.91	91	518933	48.834	ug/l	95
68) m/p-Xylenes	10.14	106	349264	91.385	ug/l	98
69) o-Xylene	10.72	106	211855	50.269	ug/l	93
70) Styrene	10.80	104	286850	49.100	ug/l	98
71) Bromoform	10.78	173	64302	54.251	ug/l	98
73) Isopropylbenzene	11.13	105	600018	51.726	ug/l	94
74) N-amyl acetate	11.38	43	160764	60.018	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	121048	63.406	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	85907	61.908	ug/l	99
77) Bromobenzene	11.50	156	131599	51.747	ug/l	78
78) n-propylbenzene	11.60	91	679931	50.052	ug/l	100
79) 2-Chlorotoluene	11.72	91	404246	51.899	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	461551	49.013	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	39557m	58.181	ug/l	
82) 4-Chlorotoluene	11.90	91	410973	50.136	ug/l	99
83) tert-Butylbenzene	12.14	119	463882	48.359	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	467246	49.716	ug/l	100
85) sec-Butylbenzene	12.31	105	621711	47.345	ug/l	100
86) p-Isopropyltoluene	12.46	119	509272	46.258	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	232126	47.985	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	231248	49.053	ug/l	99
89) n-Butylbenzene	12.85	91	486323	43.686	ug/l	97
90) Hexachloroethane	12.92	117	128329	48.406	ug/l	98
91) 1,2-Dichlorobenzene	12.95	146	235897	51.494	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.65	75	24256	65.717	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	158790	49.608	ug/l	98
94) Hexachlorobutadiene	14.19	225	70573	33.074	ug/l	98
95) Naphthalene	14.46	128	347787	56.430	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	151761	51.063	ug/l	99

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

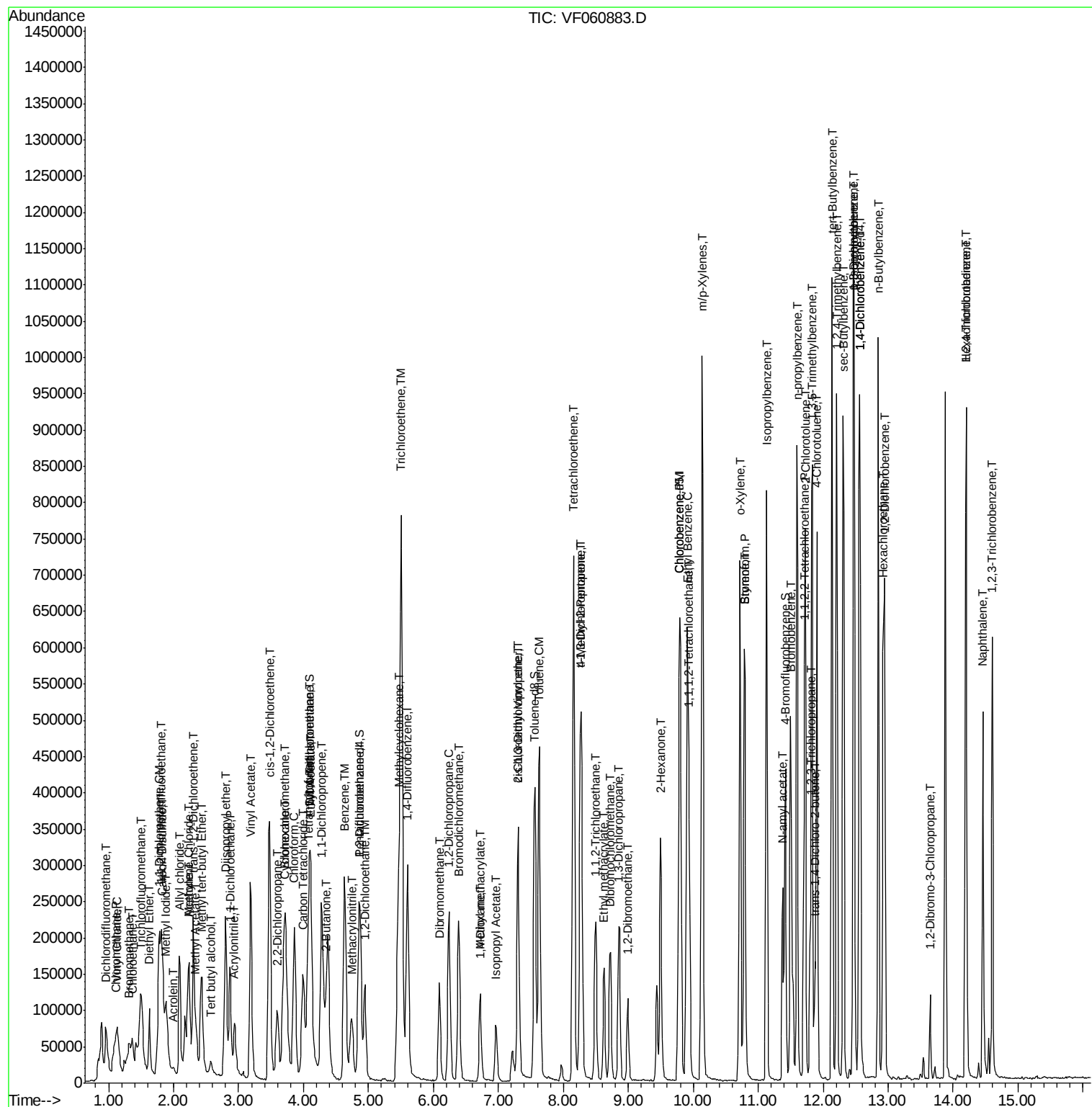
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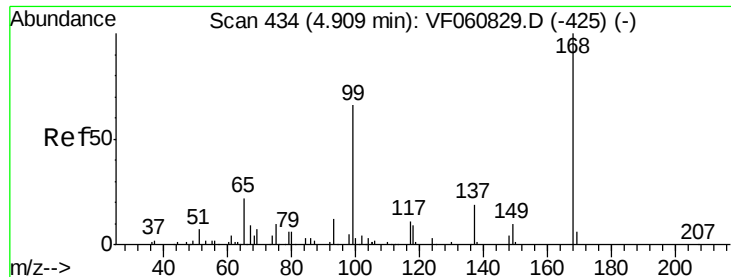
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion:168 Resp: 172930

Ion Ratio Lower Upper

168 100

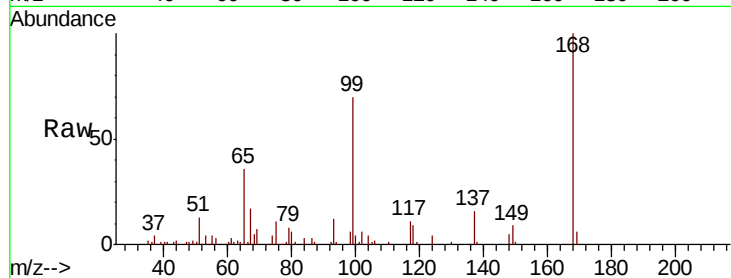
99 70.1 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

50000

40000

30000

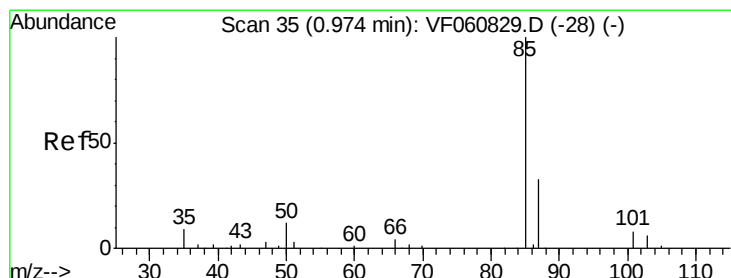
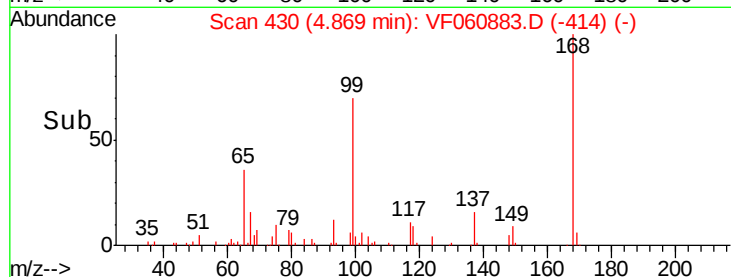
20000

10000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.787 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.02 min

Lab File: VF060883.D

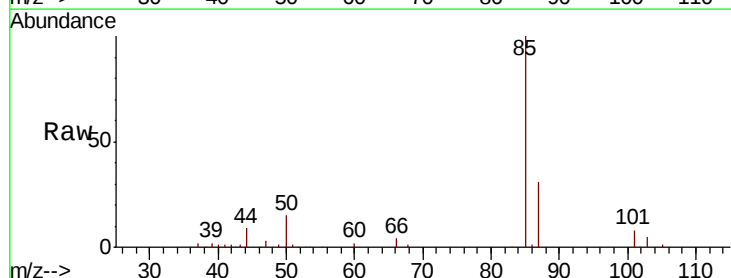
Acq: 29 Nov 2018 23:02

Tgt Ion: 85 Resp: 131318

Ion Ratio Lower Upper

85 100

87 30.8 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

40000

30000

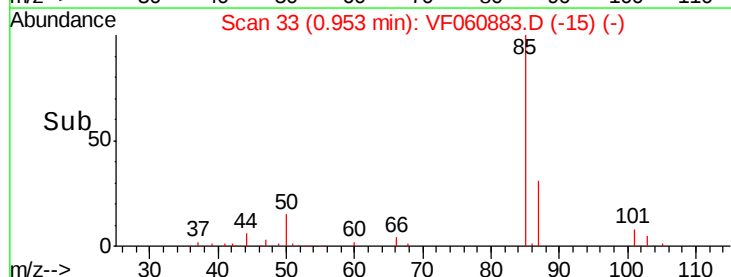
20000

10000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 55.114 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion: 50 Resp: 92731

Ion Ratio Lower Upper

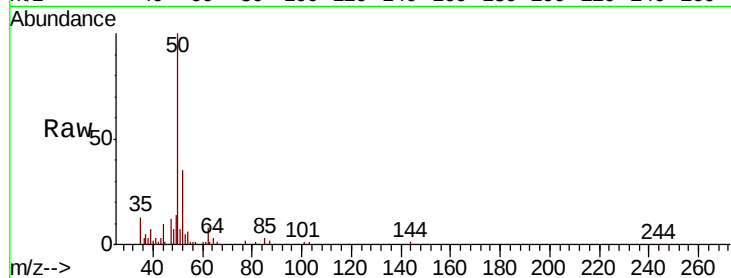
50 100

52 34.5 27.0 40.4

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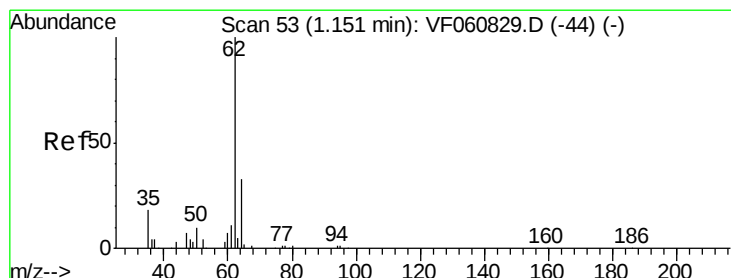
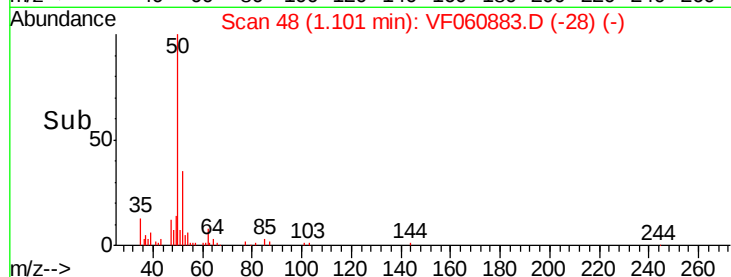
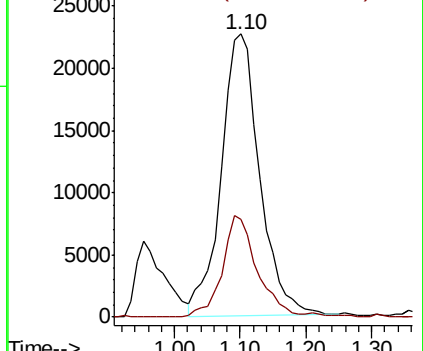
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 62.579 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060883.D

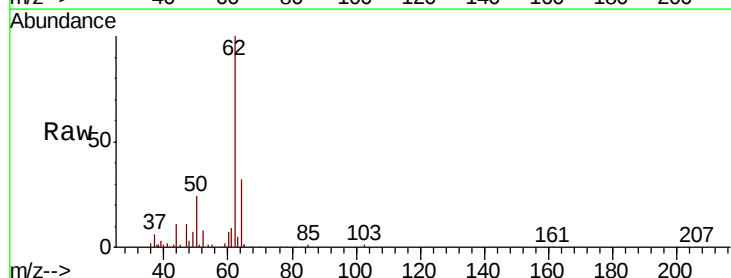
Acq: 29 Nov 2018 23:02

Tgt Ion: 62 Resp: 98213

Ion Ratio Lower Upper

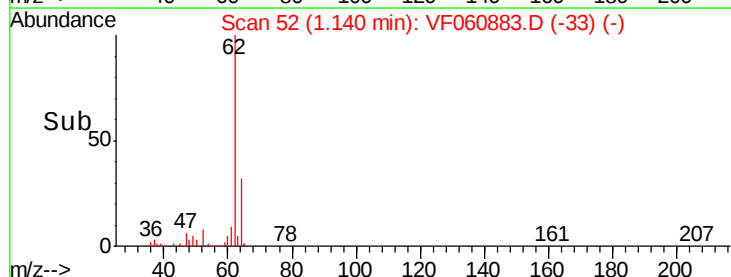
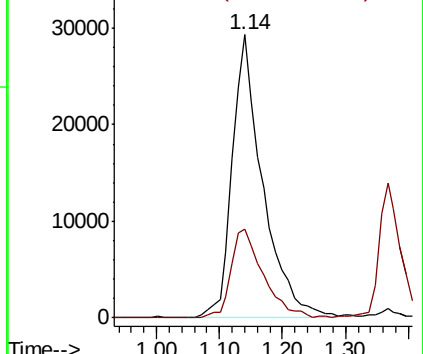
62 100

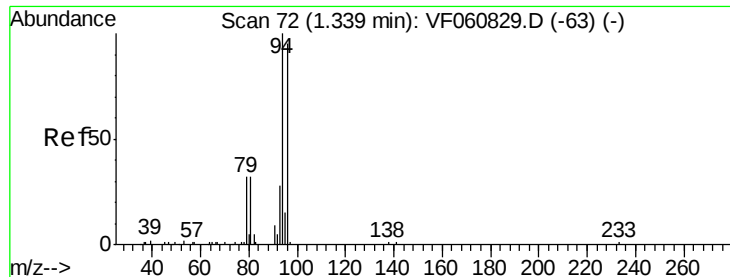
64 31.6 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 49.159 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.03 min

Lab File: VF060883.D

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Tot Ion: 94 Resp: 54402

Ion Ratio Lower Upper

94 100

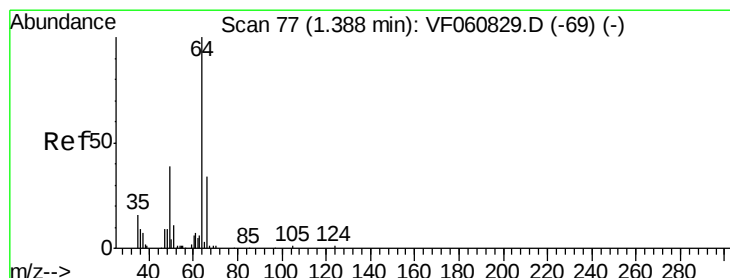
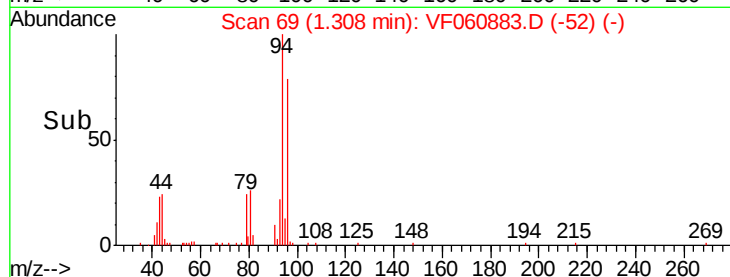
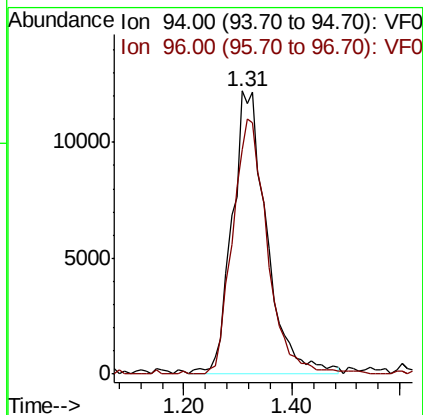
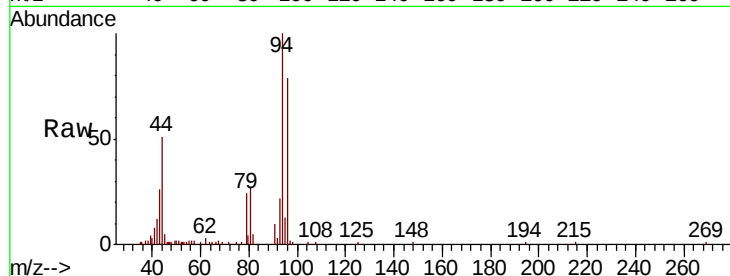
96 79.4 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 48.740 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

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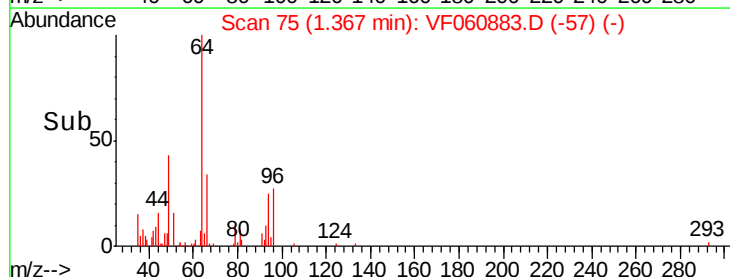
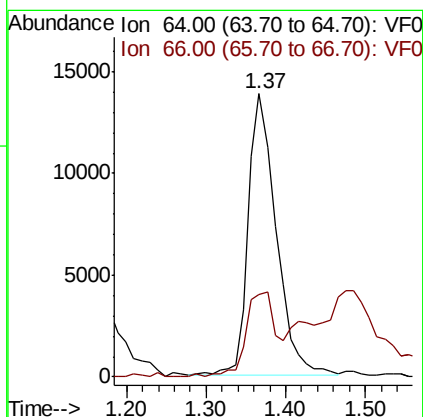
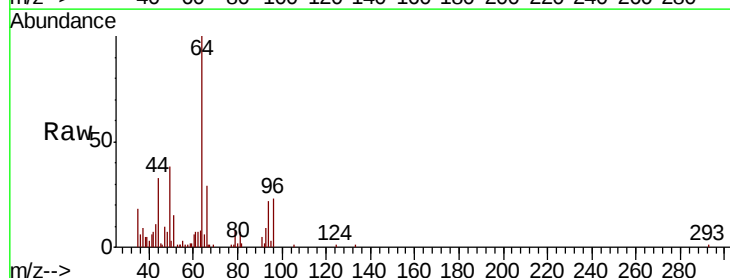
Acq: 29 Nov 2018 23:02

Tgt Ion: 64 Resp: 33066

Ion Ratio Lower Upper

64 100

66 29.2 28.1 42.1





#7

Trichlorofluoromethane

Concen: 50.573 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion:101 Resp: 170298

Ion Ratio Lower Upper

101 100

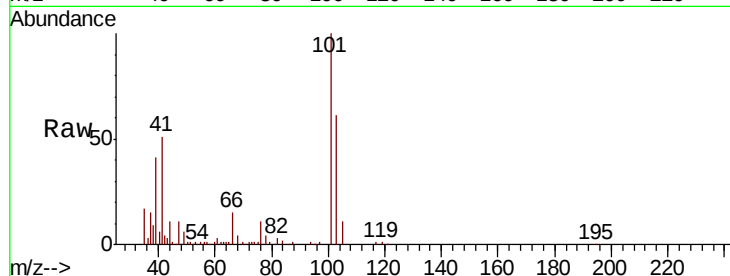
103 61.3 55.4 83.0

Manual Integrations

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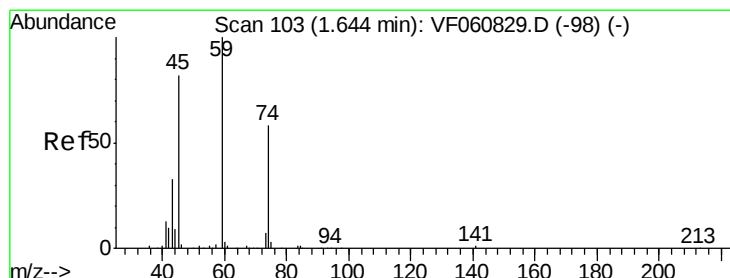
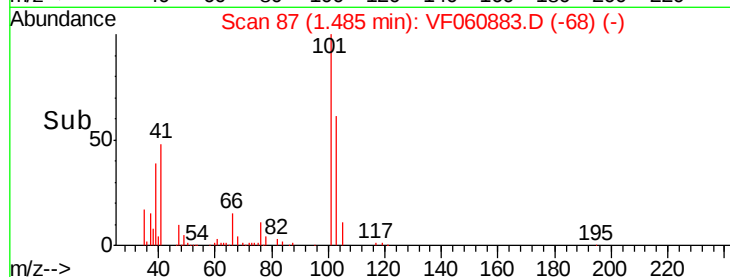
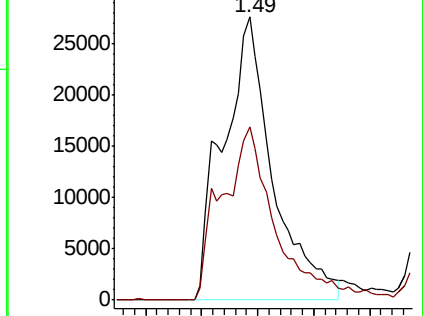
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 55.677 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.02 min

Lab File: VF060883.D

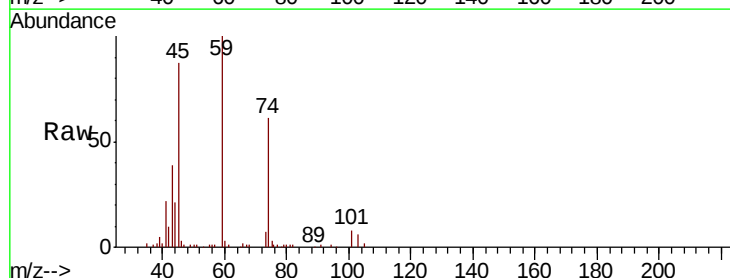
Acq: 29 Nov 2018 23:02

Tgt Ion: 74 Resp: 26960

Ion Ratio Lower Upper

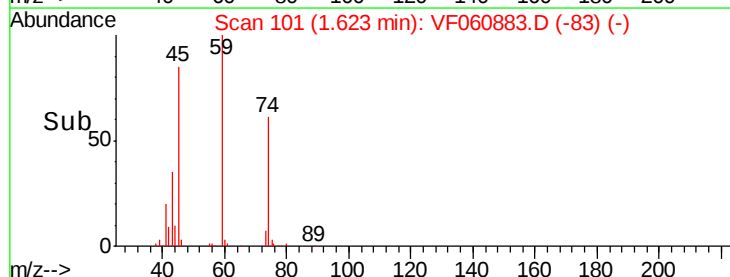
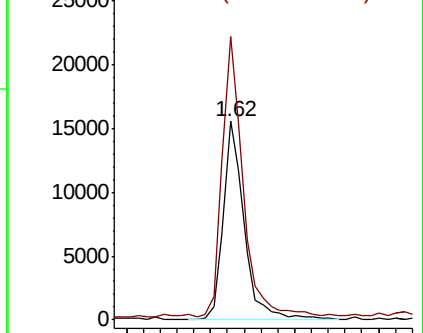
74 100

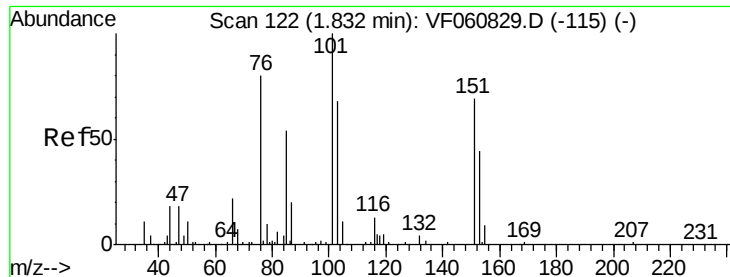
45 142.7 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.737 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.02 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Instrument :

MSVOA_F

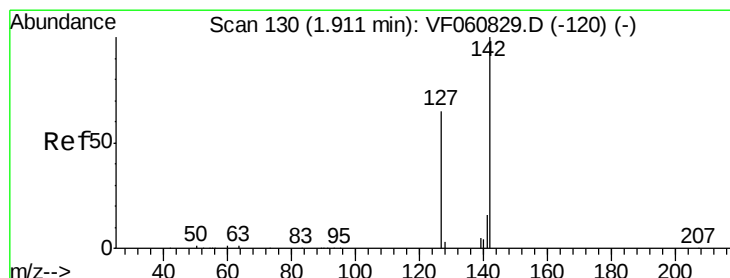
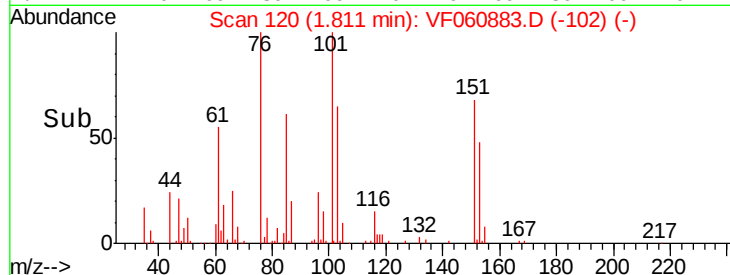
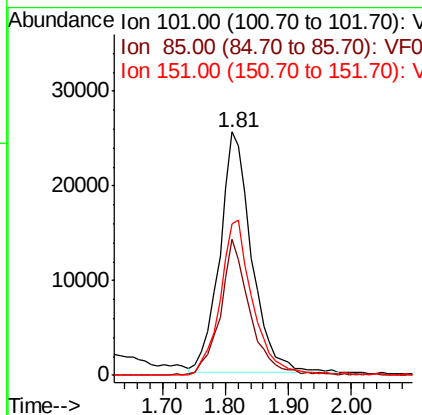
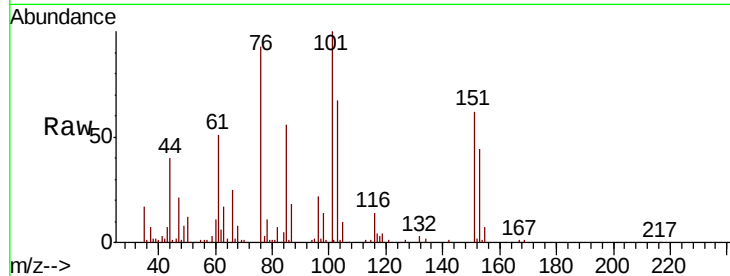
ClientSampleId :

S49-0483MS

Tot Ion:	101	Resp:	89777
Ion Ratio	Lower	Upper	
101	100		
85	55.9	42.8	64.2
151	62.4	54.4	81.6

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#10

Methyl Iodide

Concen: 52.423 ug/l

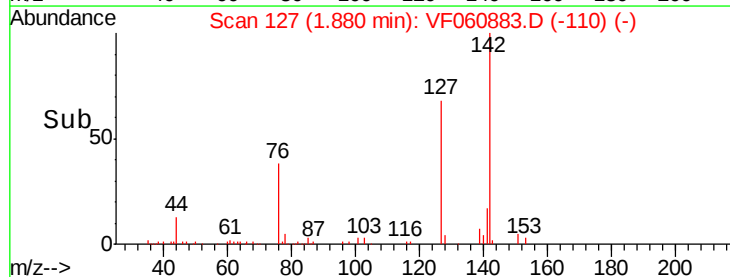
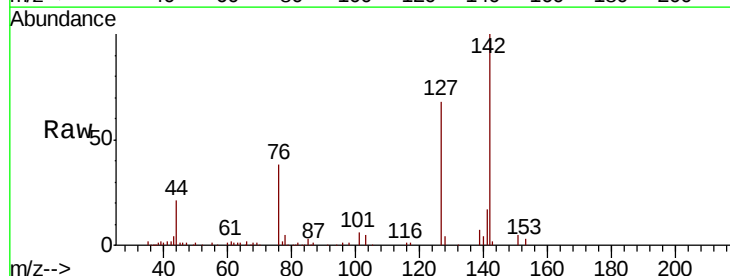
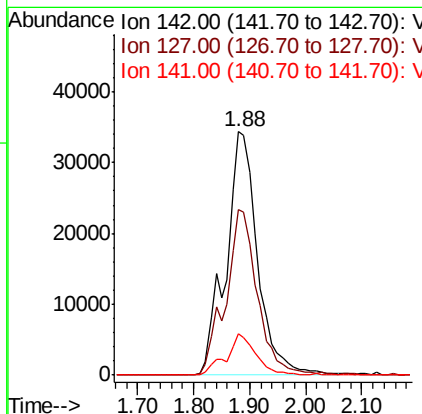
RT: 1.88 min Scan# 127

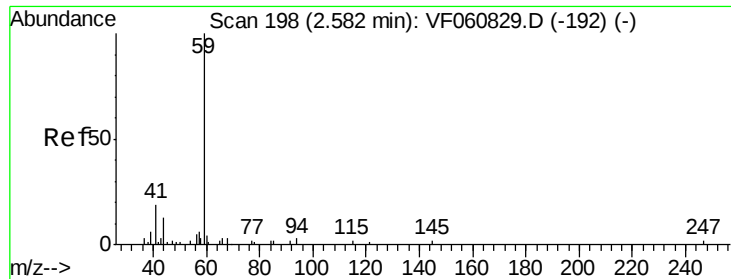
Delta R.T. -0.03 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Tgt Ion:	142	Resp:	135650
Ion Ratio	Lower	Upper	
142	100		
127	67.9	51.9	77.9
141	17.2	12.7	19.1





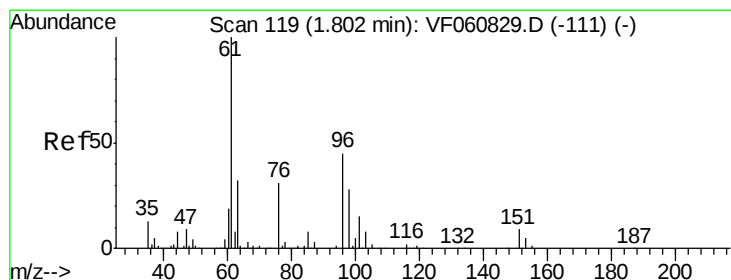
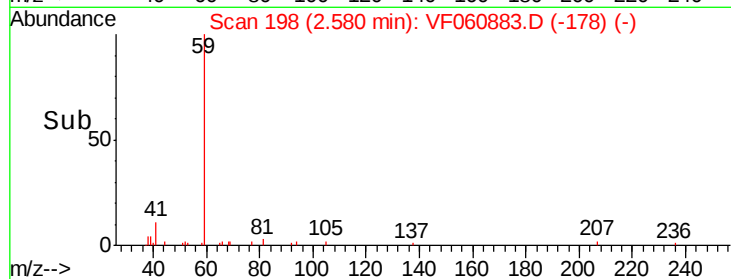
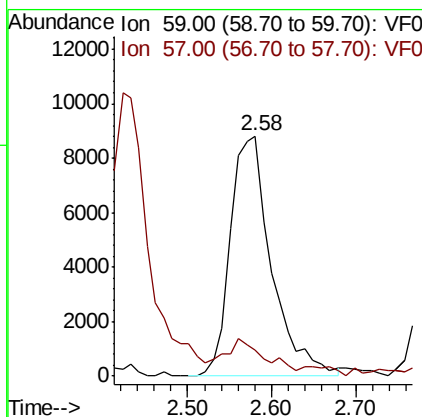
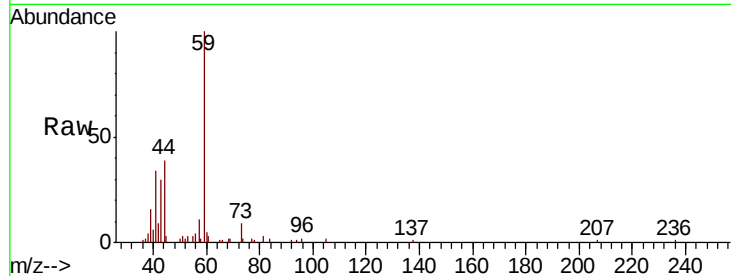
#11
Tert butyl alcohol
Concen: 360.274 ug/l
RT: 2.58 min Scan# 198
Delta R.T. -0.00 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion: 59 Resp: 30086
Ion Ratio Lower Upper
59 100
57 11.1 12.7 19.1#

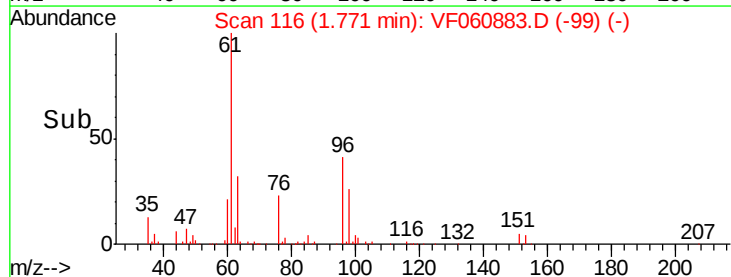
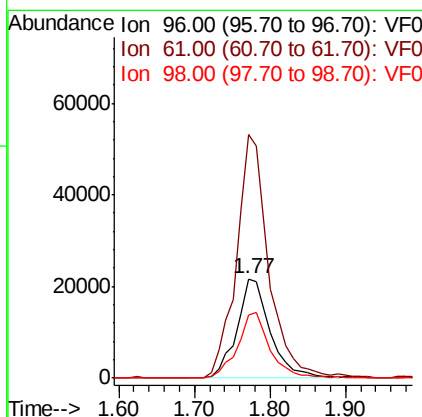
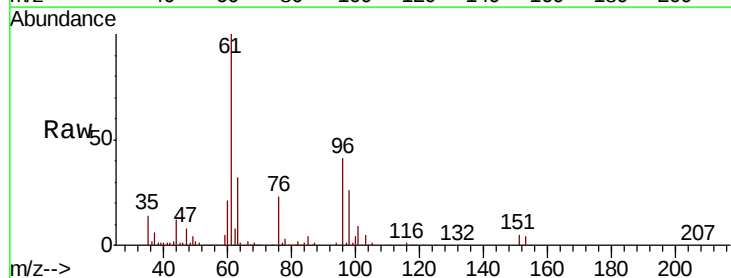
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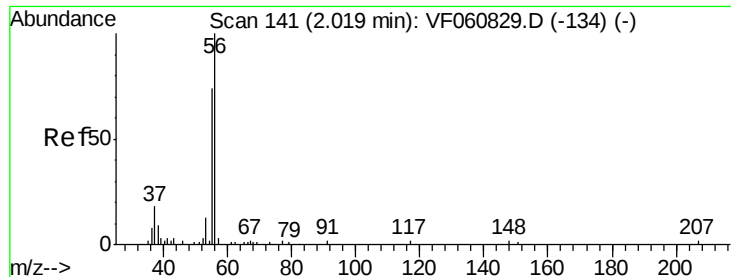
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#12
1,1-Dichloroethene
Concen: 48.405 ug/l
RT: 1.77 min Scan# 116
Delta R.T. -0.03 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Tgt Ion: 96 Resp: 66280
Ion Ratio Lower Upper
96 100
61 244.7 177.3 265.9
98 63.8 49.6 74.4





#13

Acrolein

Concen: 82.076 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion: 56 Resp: 6494

Ion Ratio Lower Upper

56 100

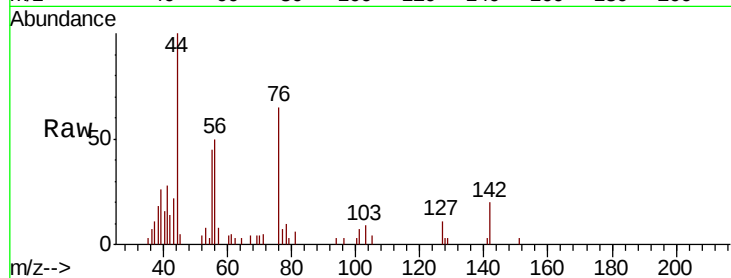
55 91.5 61.2 91.8

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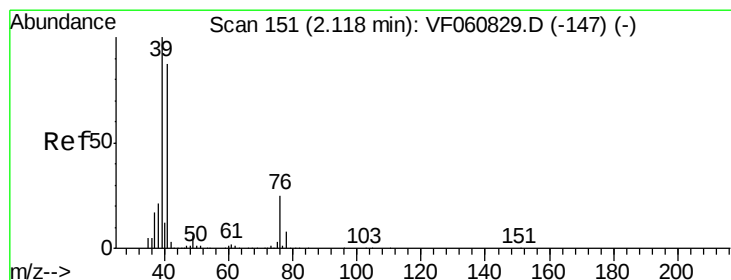
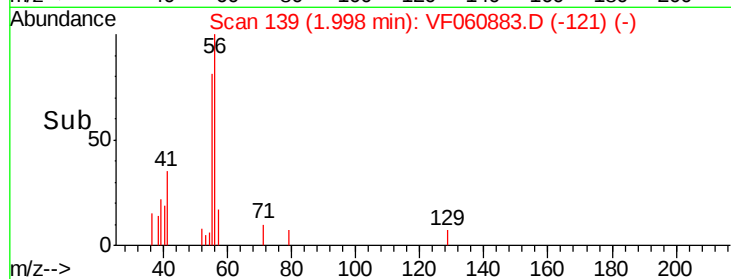
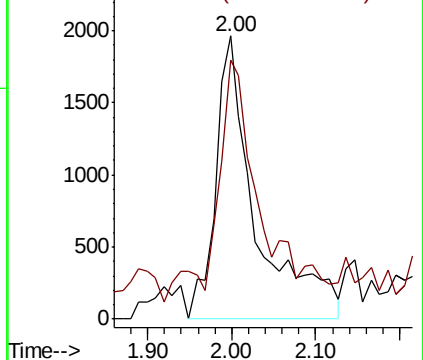
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 68.486 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.03 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

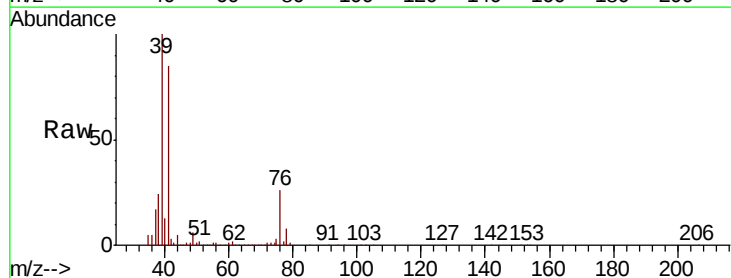
Tgt Ion: 41 Resp: 116883

Ion Ratio Lower Upper

41 100

39 118.1 91.7 137.5

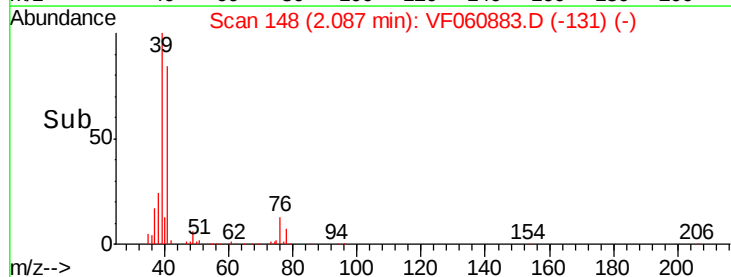
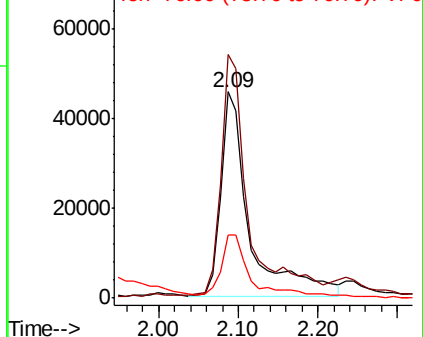
76 30.8 23.5 35.3

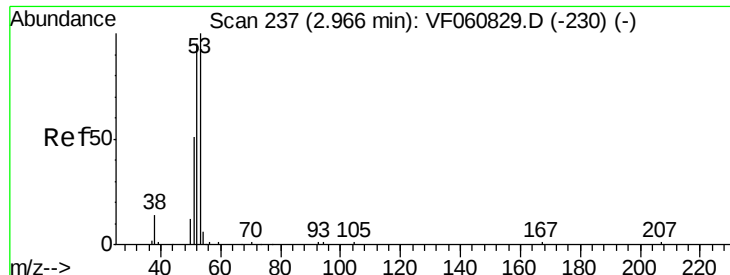


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 358.376 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.02 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Instrument :

MSVOA_F

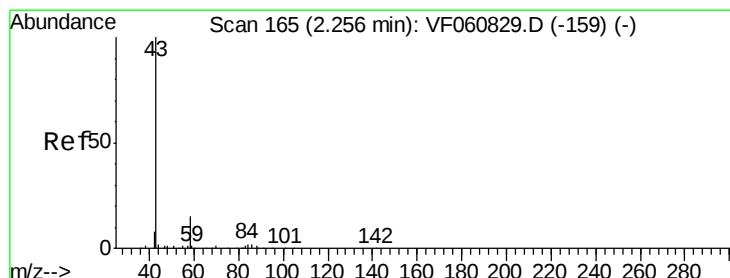
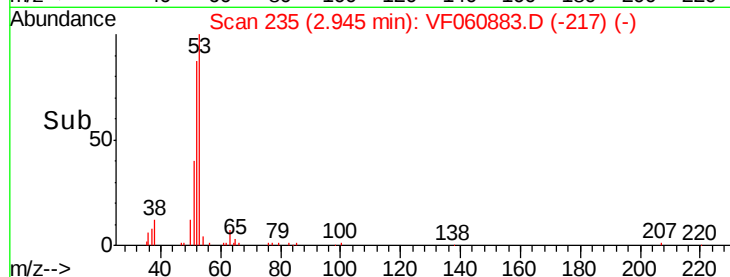
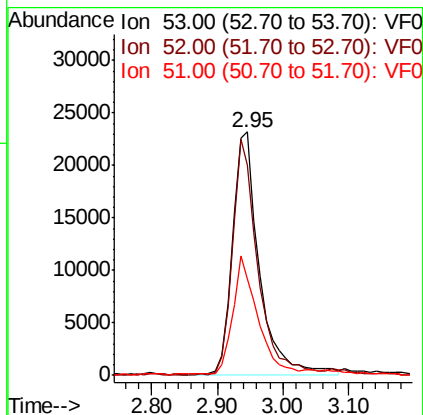
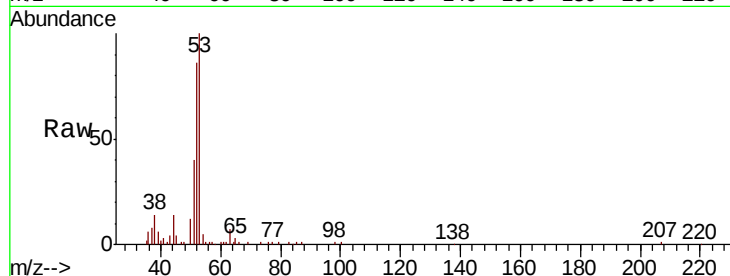
ClientSampleId :

S49-0483MS

Tot Ion:	53	Resp:	67095
Ion	Ratio	Lower	Upper
53	100		
52	86.2	76.5	114.7
51	39.7	40.7	61.1#

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#16

Acetone

Concen: 417.296 ug/l

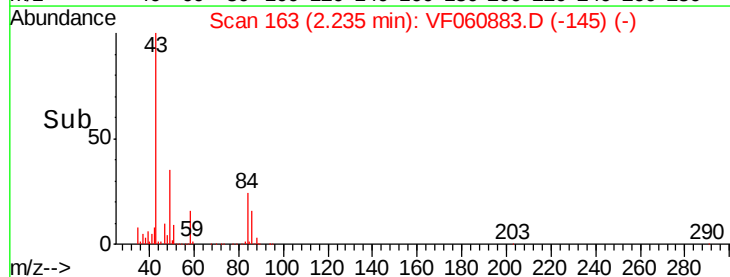
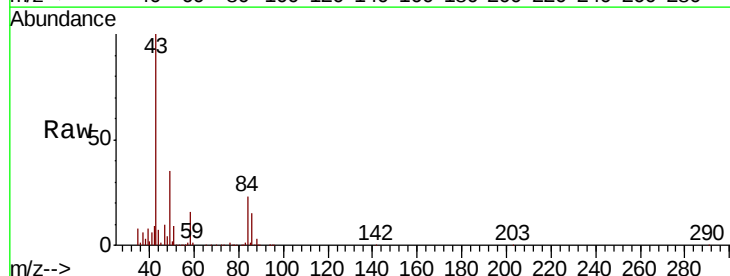
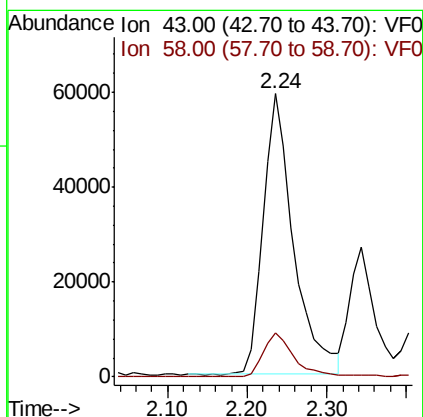
RT: 2.24 min Scan# 163

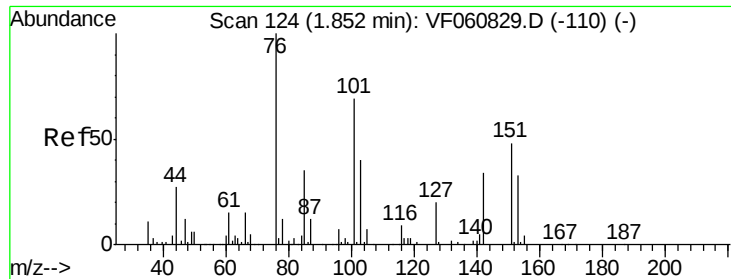
Delta R.T. -0.02 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Tgt Ion:	43	Resp:	156764
Ion	Ratio	Lower	Upper
43	100		
58	15.7	11.4	17.2





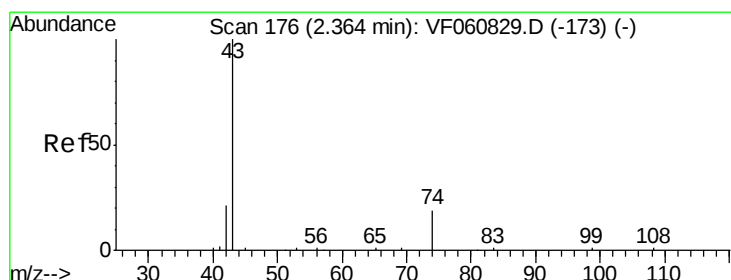
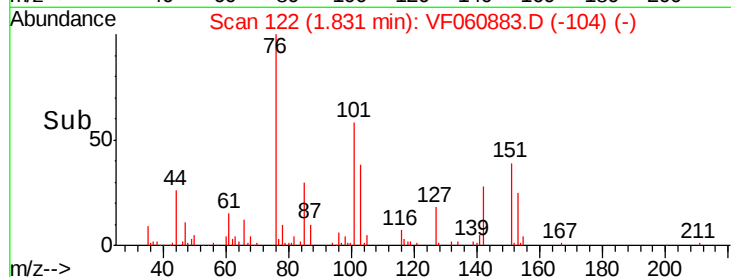
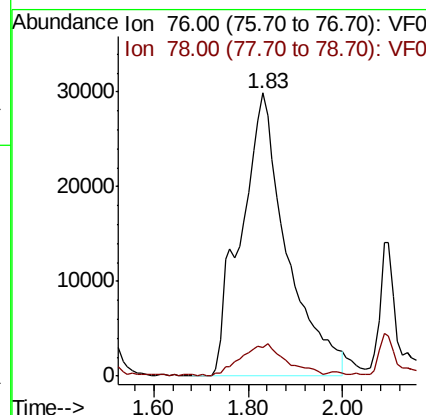
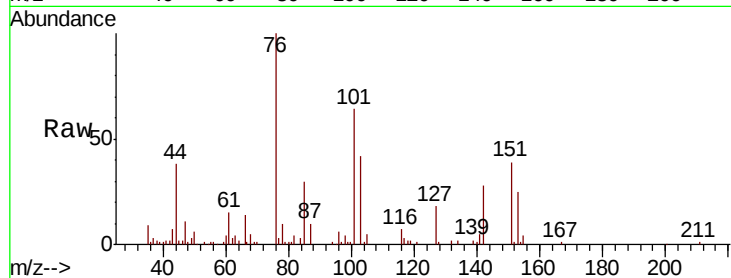
#17
Carbon Disulfide
Concen: 54.780 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion: 76 Resp: 201120
Ion Ratio Lower Upper
76 100
78 10.1 10.2 15.2#

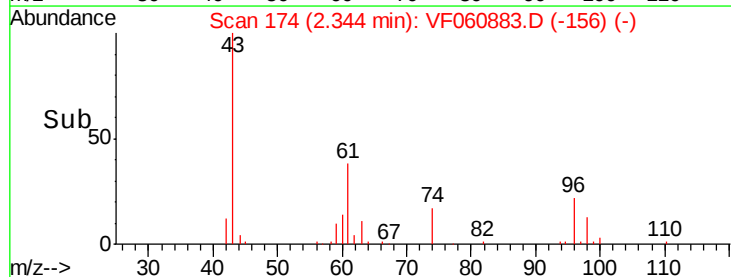
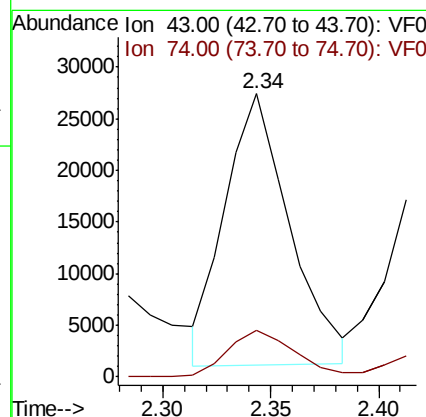
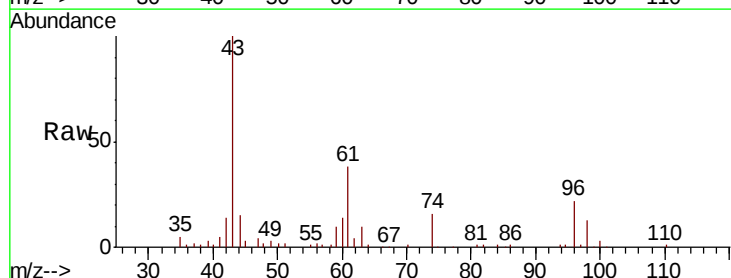
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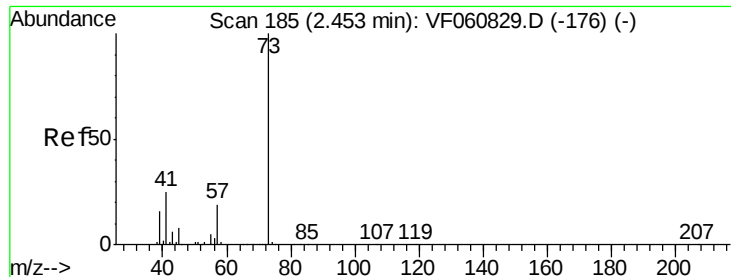
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#18
Methyl Acetate
Concen: 87.997 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.02 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Tgt Ion: 43 Resp: 54669
Ion Ratio Lower Upper
43 100
74 16.4 13.3 19.9





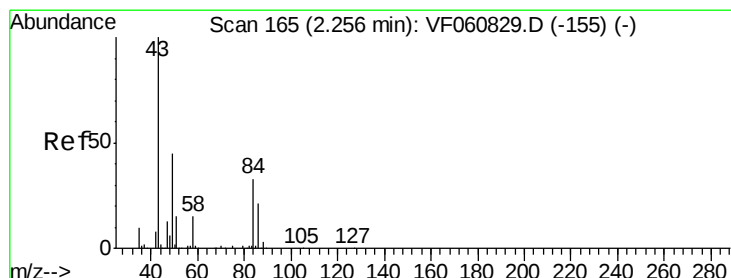
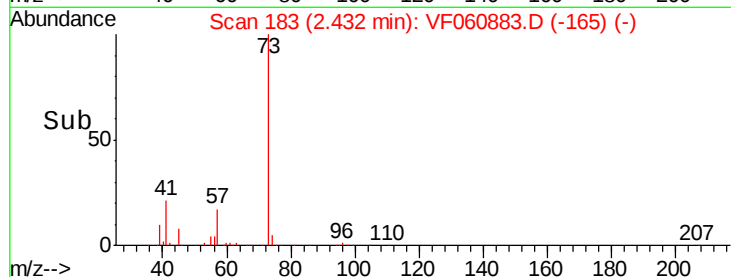
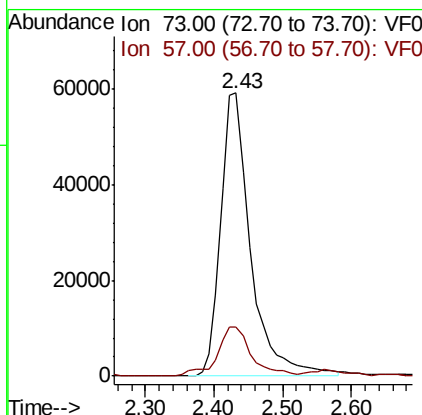
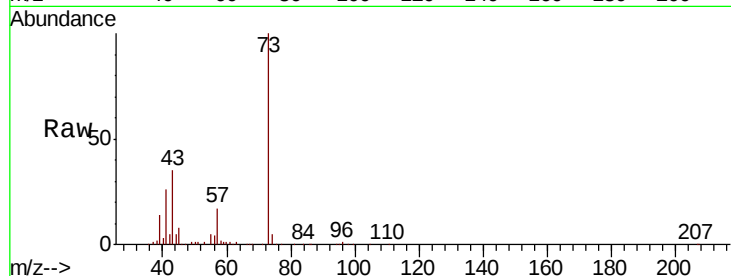
#19
Methyl tert-butyl Ether
Concen: 58.067 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.2	15.3	22.9

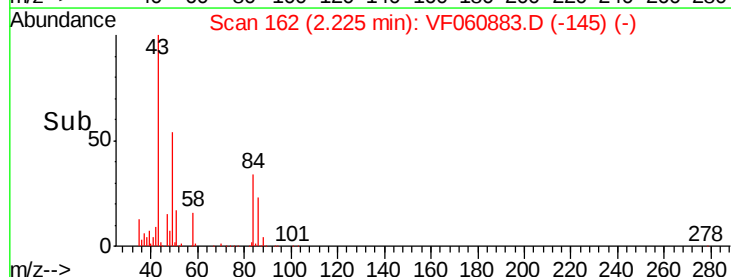
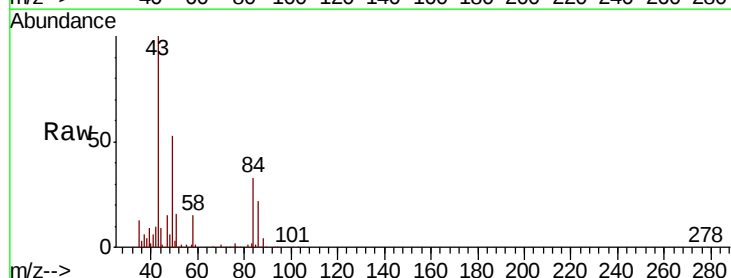
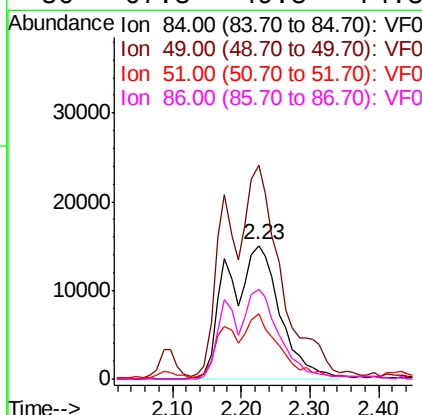
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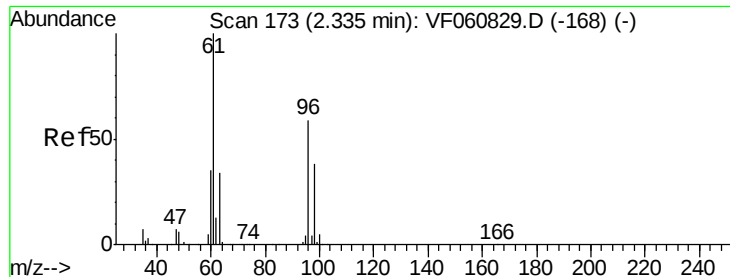
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#20
Methylene Chloride
Concen: 57.953 ug/l m
RT: 2.23 min Scan# 162
Delta R.T. -0.03 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	159.7	111.3	166.9
51	49.1	38.0	57.0
86	67.3	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 62.598 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Instrument :

MSVOA_F

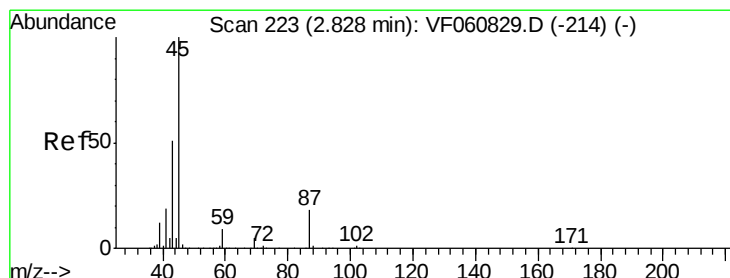
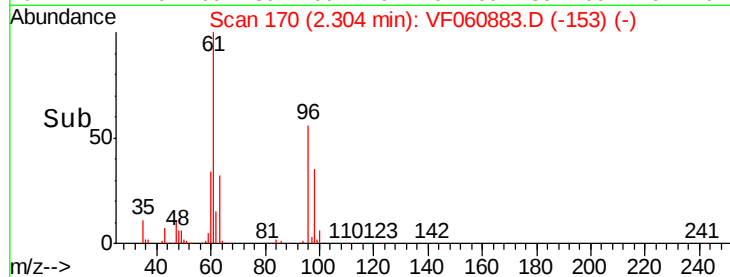
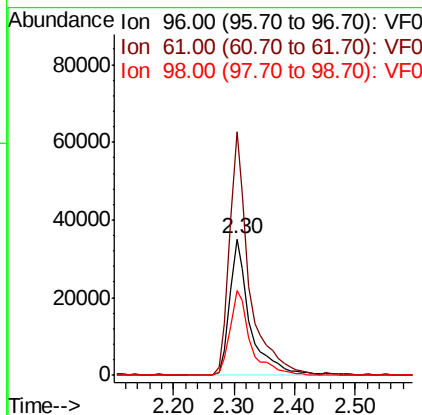
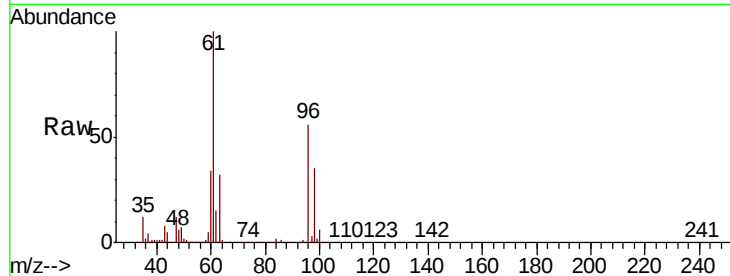
ClientSampleId :

S49-0483MS

Tot Ion:	96	Resp:	82635
Ion	Ratio	Lower	Upper
96	100		
61	178.1	134.5	201.7
98	62.1	51.6	77.4

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#22

Diisopropyl ether

Concen: 56.099 ug/l

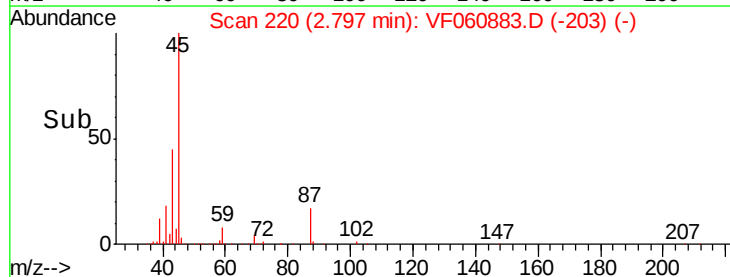
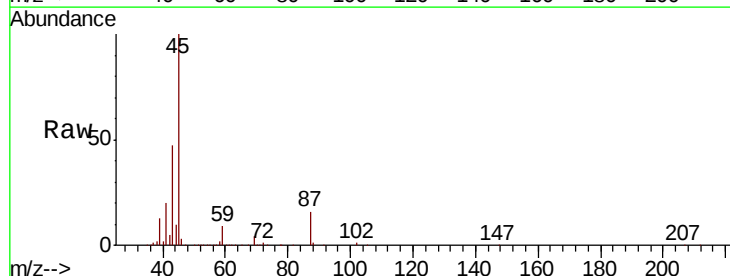
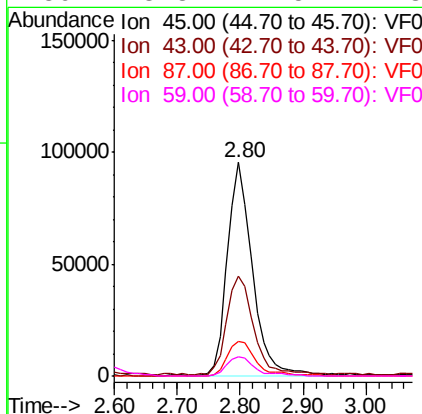
RT: 2.80 min Scan# 220

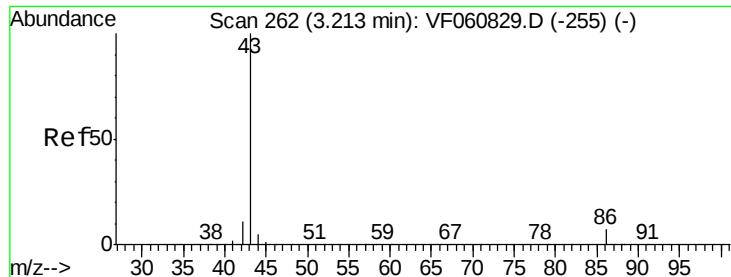
Delta R.T. -0.03 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Tgt Ion:	45	Resp:	260612
Ion	Ratio	Lower	Upper
45	100		
43	46.6	41.0	61.6
87	16.5	14.6	22.0
59	8.8	7.5	11.3





#23

Vinyl Acetate

Concen: 255.466 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.03 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion: 43 Resp: 542489

Ion Ratio Lower Upper

43 100

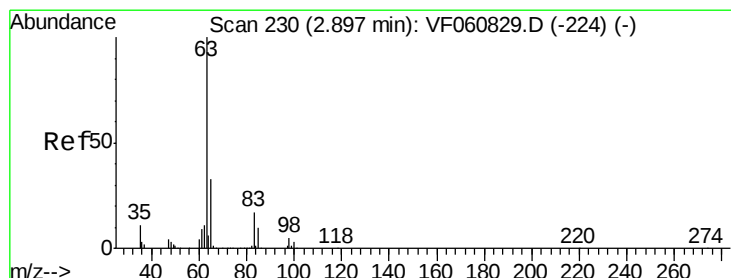
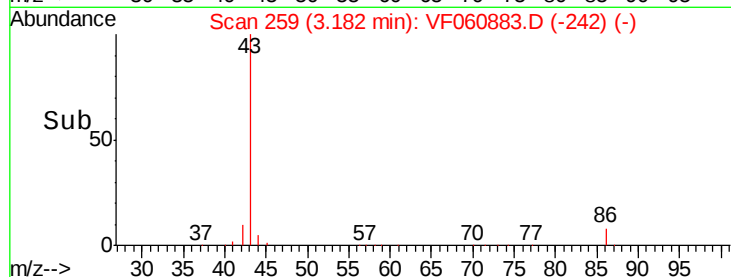
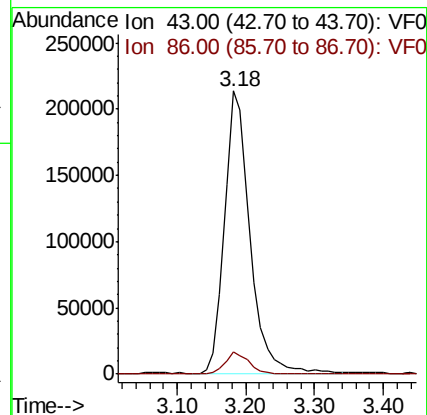
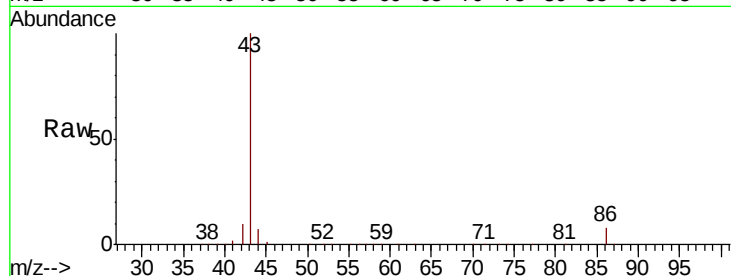
86 7.7 5.4 8.0

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#24

1,1-Dichloroethane

Concen: 58.406 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.03 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

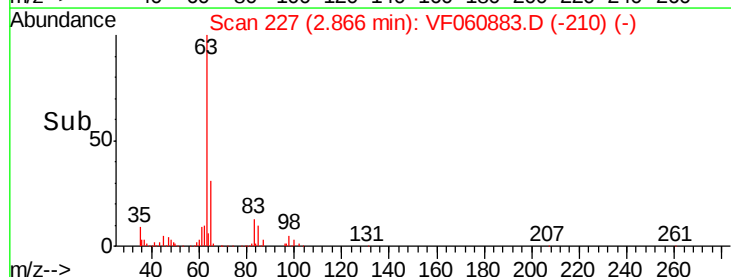
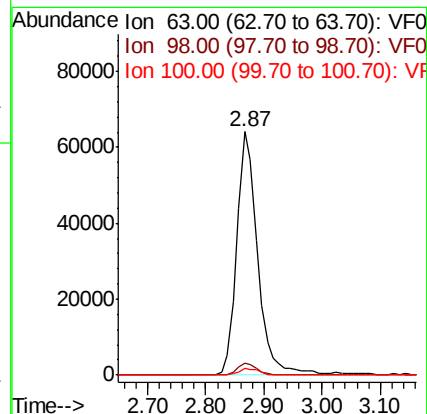
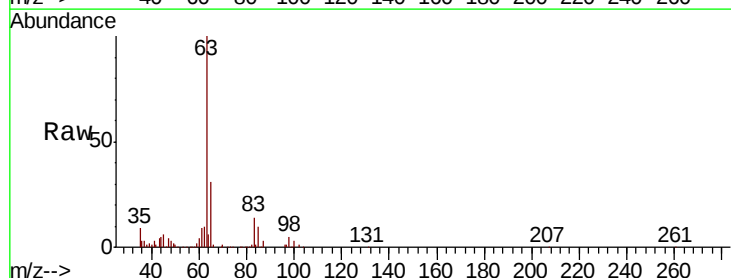
Tgt Ion: 63 Resp: 161429

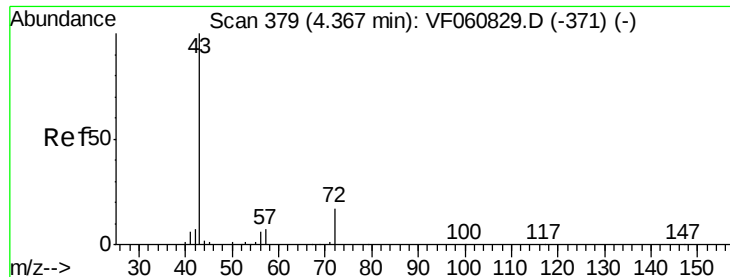
Ion Ratio Lower Upper

63 100

98 4.9 2.7 8.1

100 2.8 1.5 4.5





#25

2-Butanone

Concen: 326.439 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.03 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion: 43 Resp: 212111

Ion Ratio Lower Upper

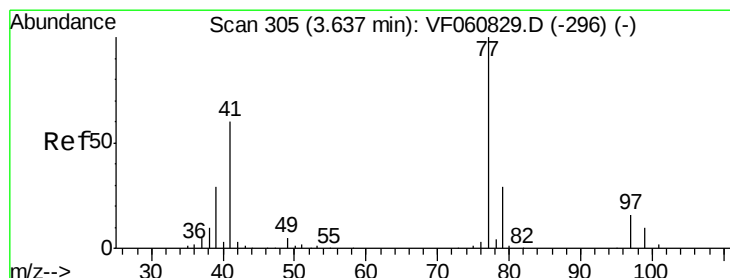
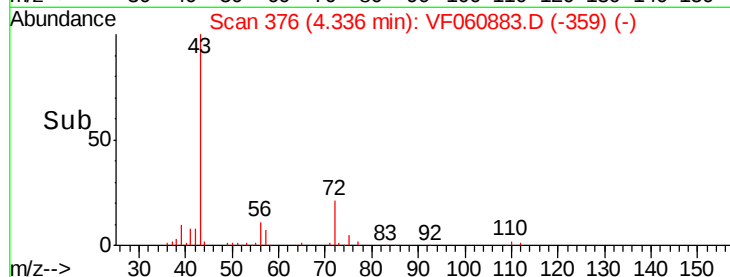
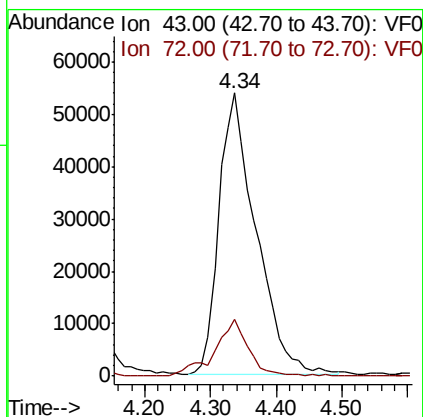
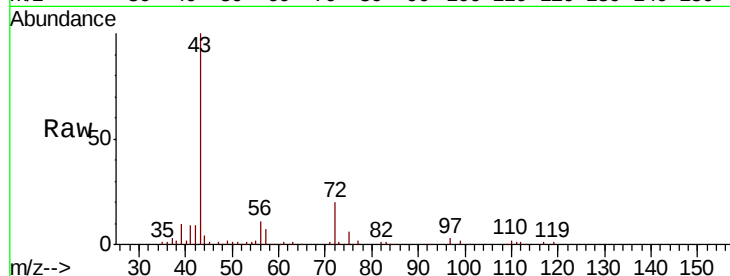
43 100

72 20.3 15.4 23.2

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 50.978 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.04 min

Lab File: VF060883.D

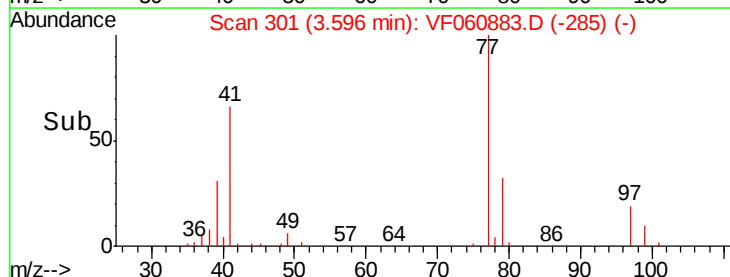
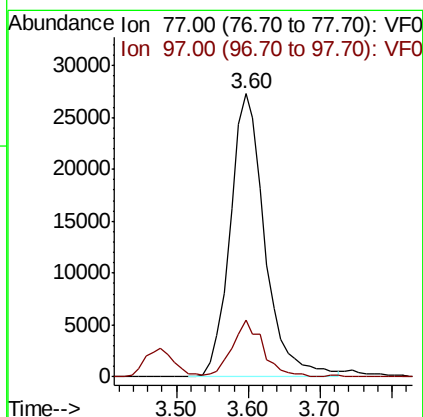
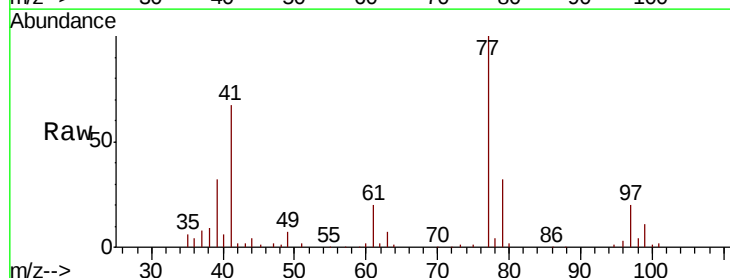
Acq: 29 Nov 2018 23:02

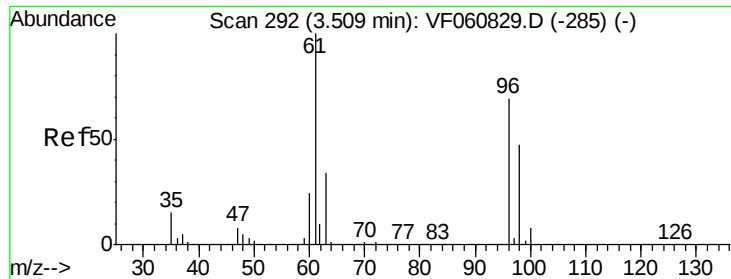
Tgt Ion: 77 Resp: 91347

Ion Ratio Lower Upper

77 100

97 20.2 8.6 25.8





#27

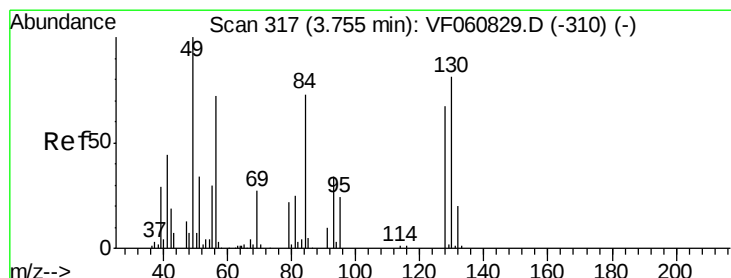
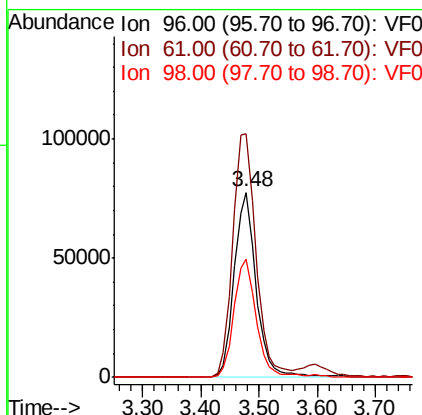
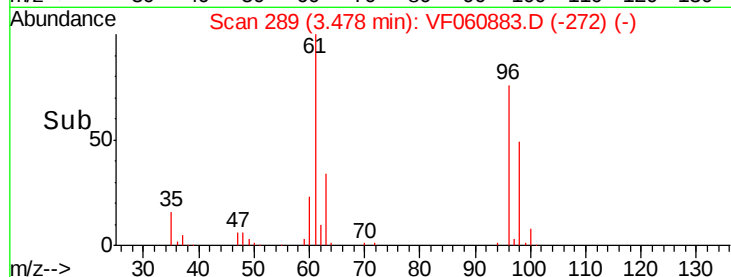
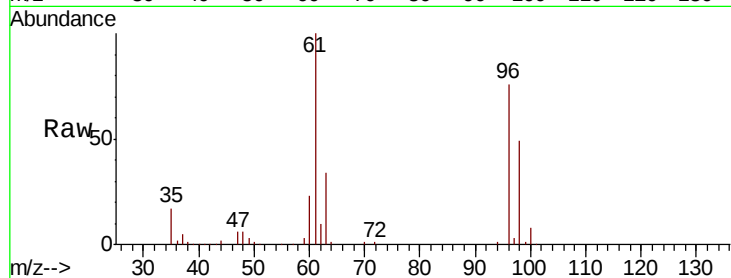
cis-1,2-Dichloroethene
Concen: 95.452 ug/l
RT: 3.48 min Scan# 289
Delta R.T. -0.03 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Instrument :
MSVOA_F
ClientSampled :
S49-0483MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	205138		
61	131.7		0.0	290.6
98	63.9		0.0	137.8

Manual Integrations
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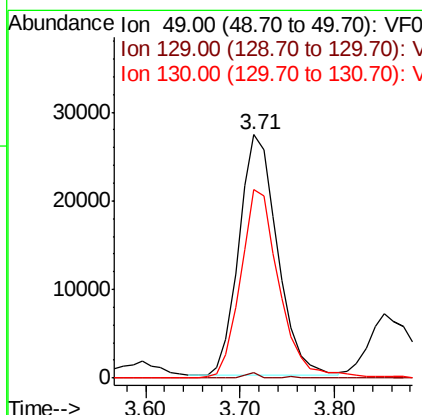
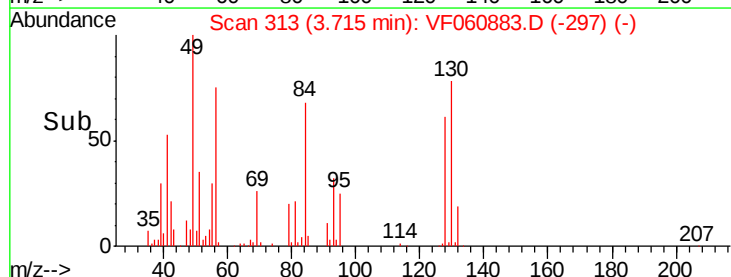
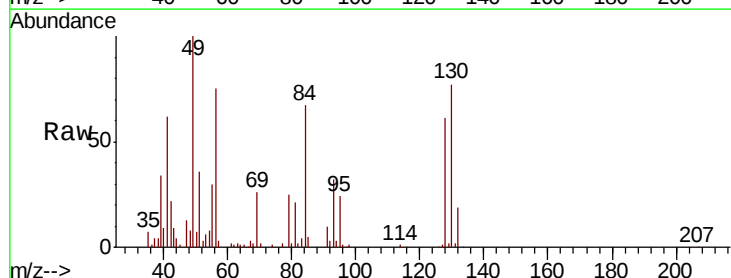
apatel
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#28

Bromochloromethane
Concen: 57.725 ug/l
RT: 3.71 min Scan# 313
Delta R.T. -0.04 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	76571		
129	2.5		0.0	4.4
130	77.4		64.2	96.4





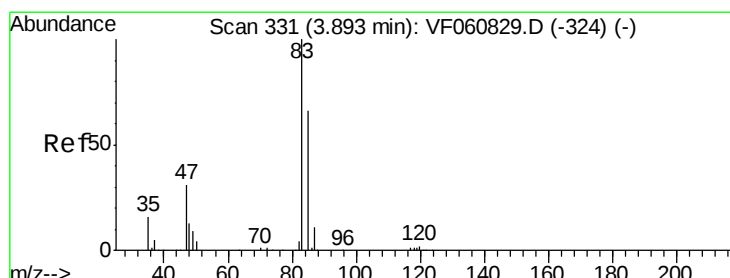
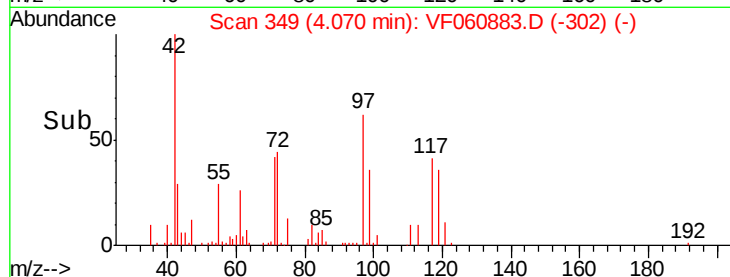
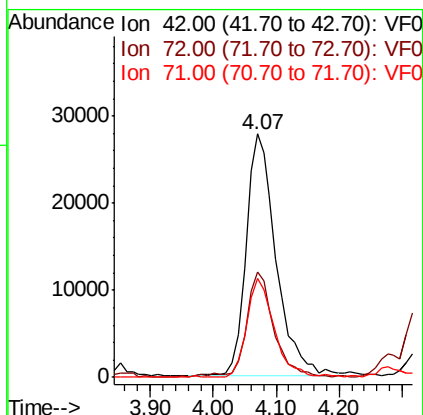
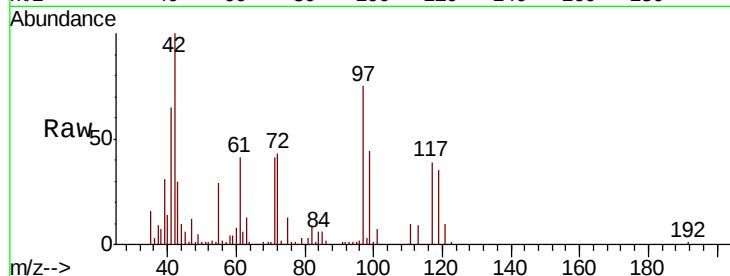
#29
Tetrahydrofuran
Concen: 334.410 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.04 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	31.9	47.9
71	37.6	28.7	43.1

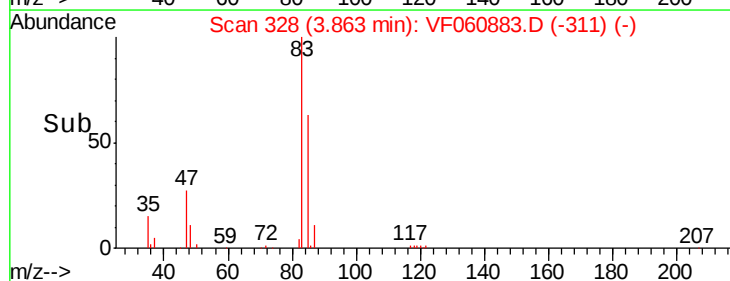
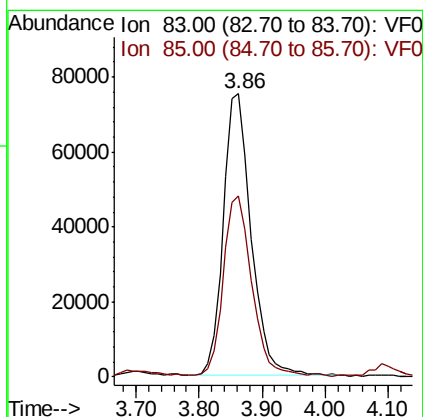
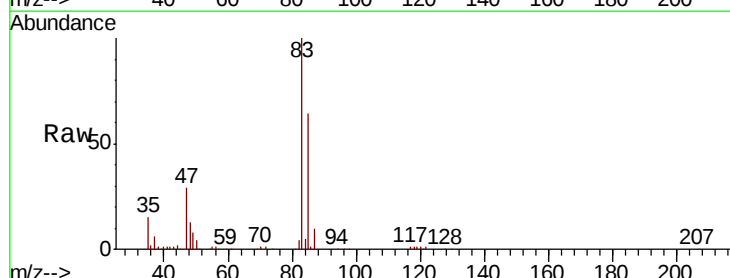
Manual Integrations
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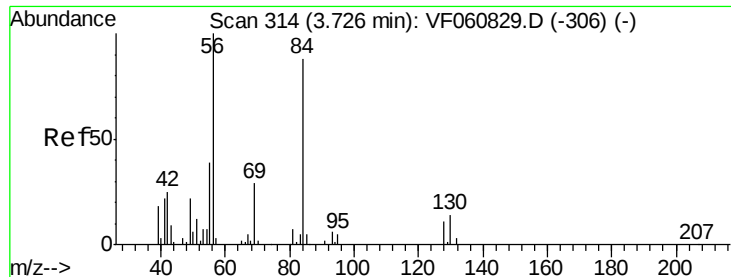
apatel
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#30
Chloroform
Concen: 54.278 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.03 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	53.4	80.2





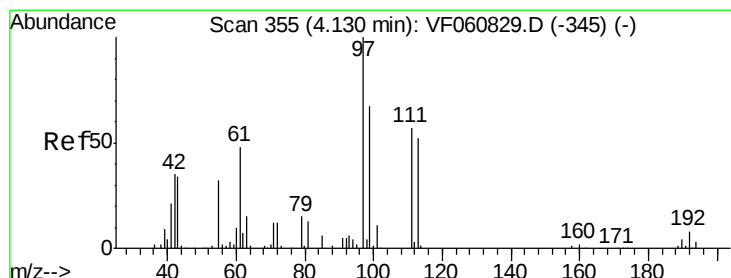
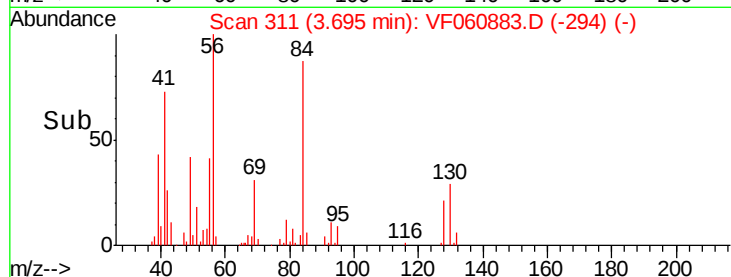
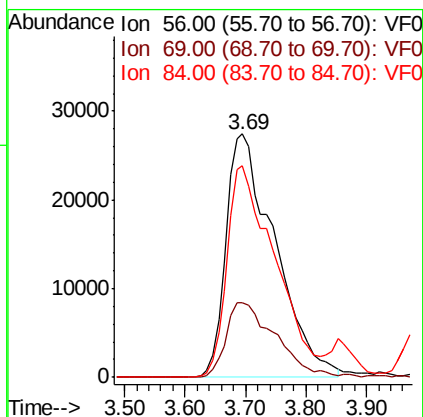
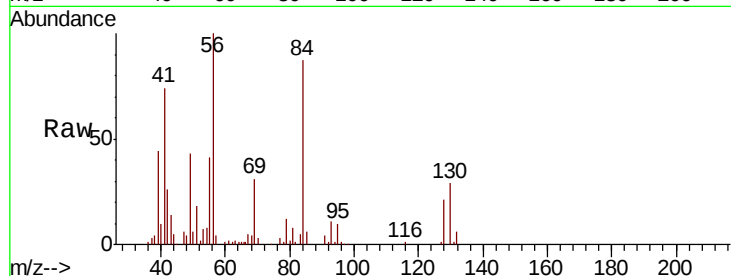
#31
Cyclohexane
Concen: 53.453 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.03 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.0	34.4
84	86.9	70.4	105.6

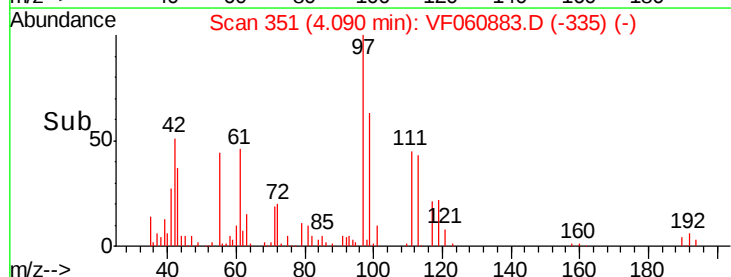
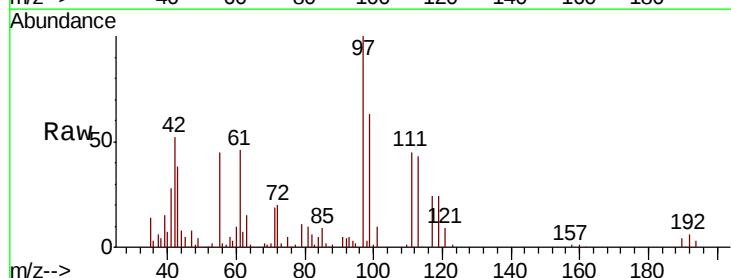
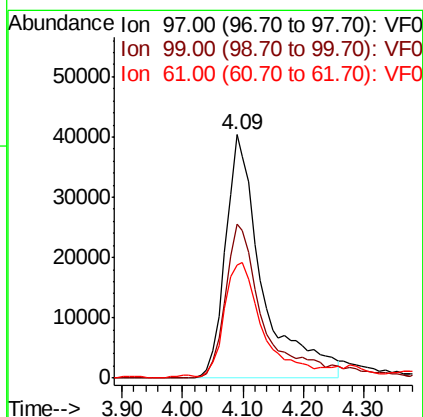
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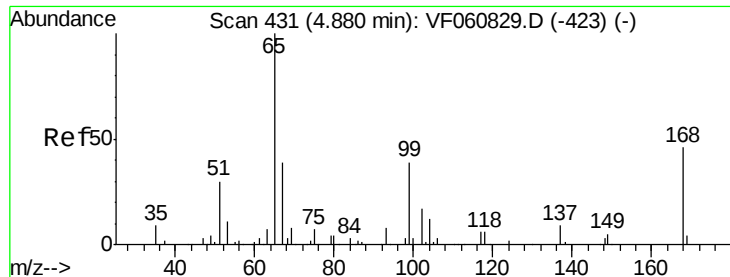
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#32
1,1,1-Trichloroethane
Concen: 58.235 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.04 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	53.5	80.3
61	46.3	38.6	58.0





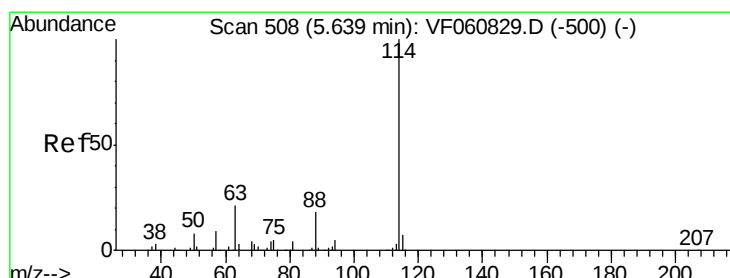
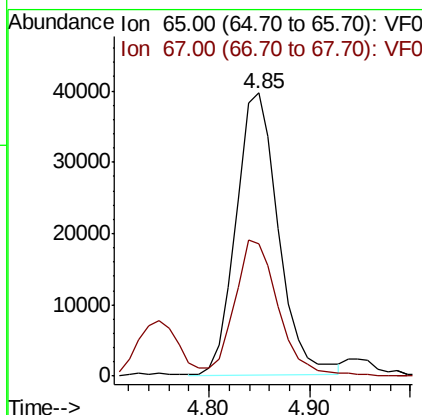
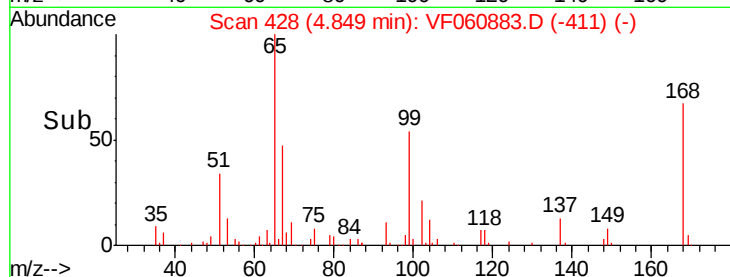
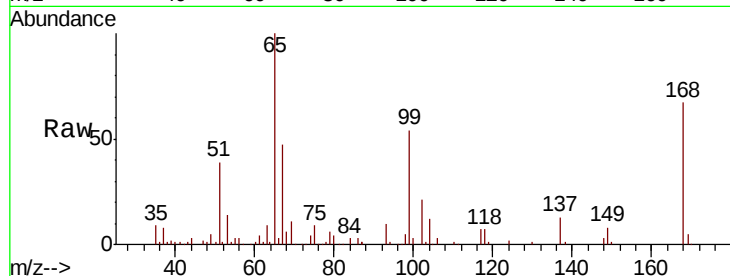
#33
 1,2-Dichloroethane-d4
 Concen: 57.117 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.03 min
 Lab File: VF060883.D
 Acq: 29 Nov 2018 23:02

Instrument :
 MSVOA_F
 ClientSampled :
 S49-0483MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	116358		
67	46.9	0.0	96.4	

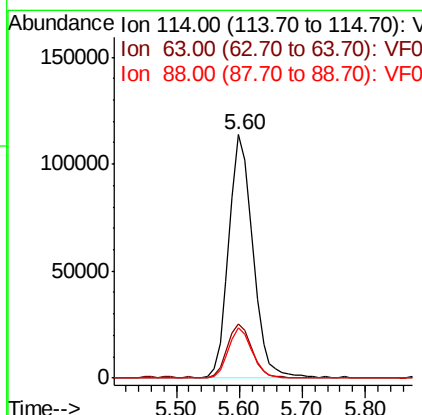
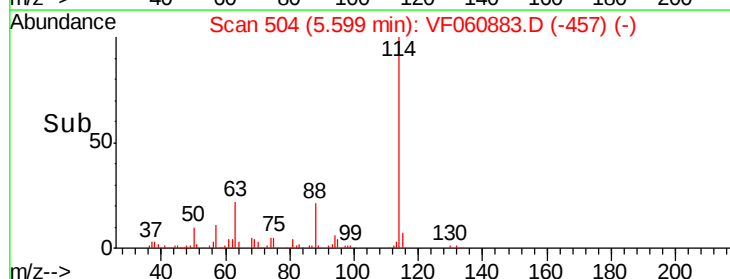
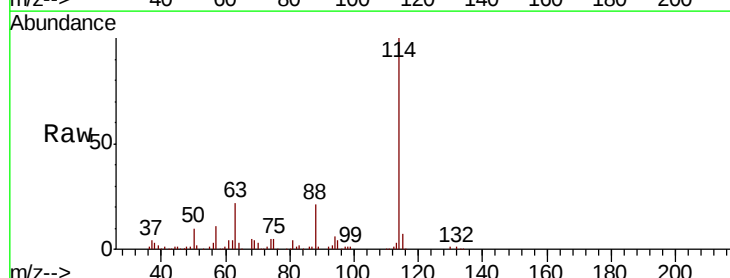
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.04 min
 Lab File: VF060883.D
 Acq: 29 Nov 2018 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	303216		
63	22.3	0.0	41.6	
88	20.9	0.0	36.6	





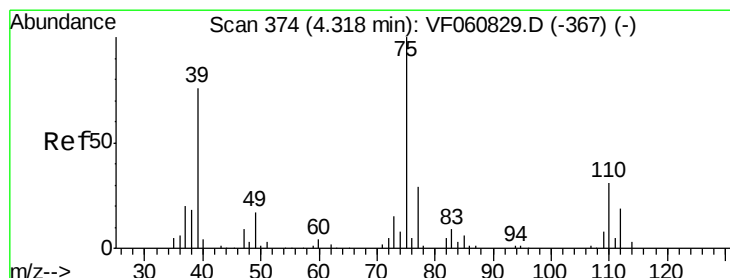
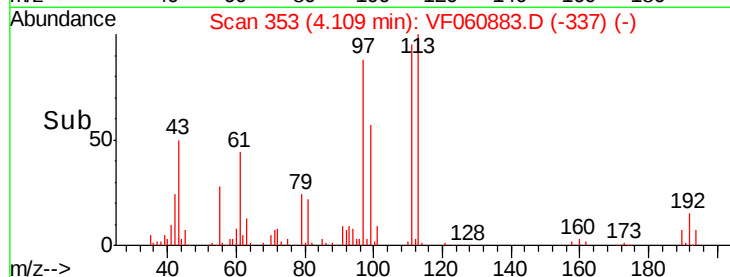
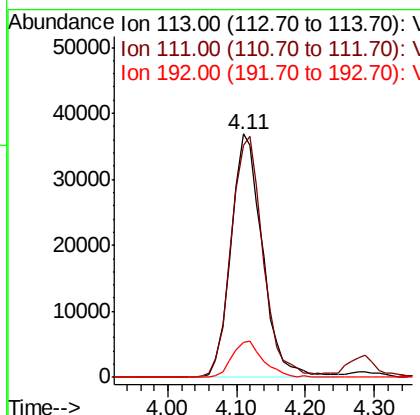
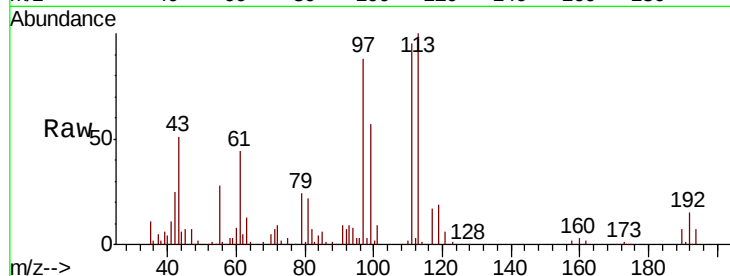
#35
 Dibromofluoromethane
 Concen: 48.492 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.04 min
 Lab File: VF060883.D
 Acq: 29 Nov 2018 23:02

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	116648		
111	95.2	83.0	124.6	
192	15.0	12.3	18.5	

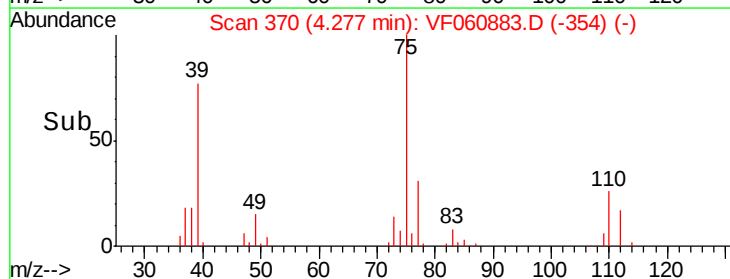
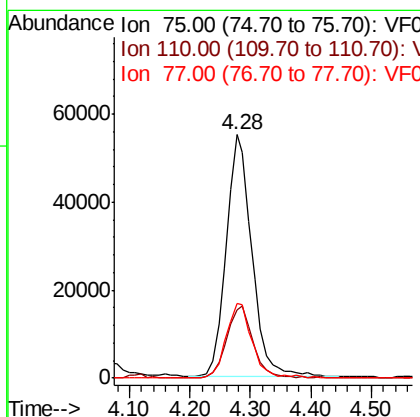
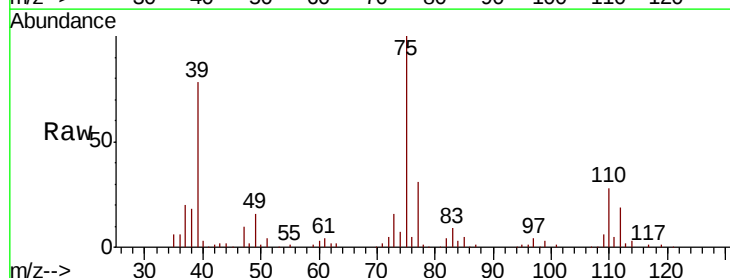
Manual Integrations
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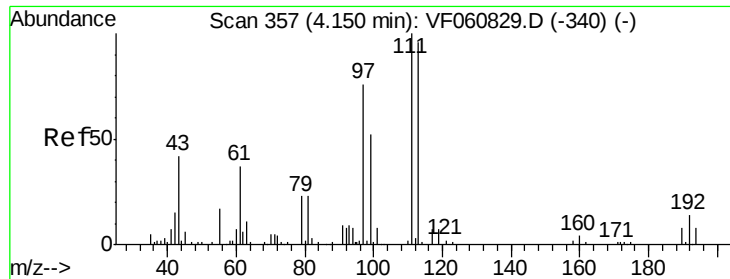
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#36
 1,1-Dichloropropene
 Concen: 48.106 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.04 min
 Lab File: VF060883.D
 Acq: 29 Nov 2018 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	161789		
110	27.9	15.6	46.8	
77	30.9	23.4	35.0	





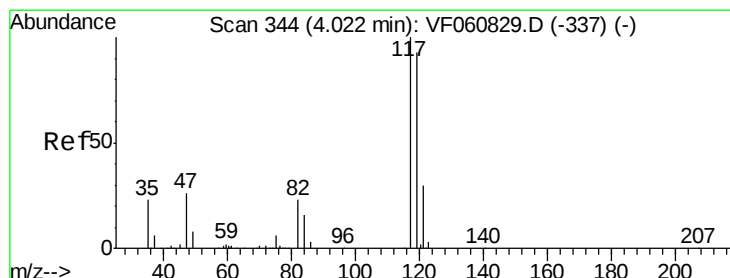
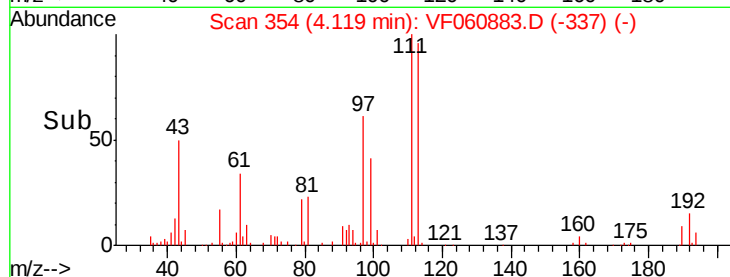
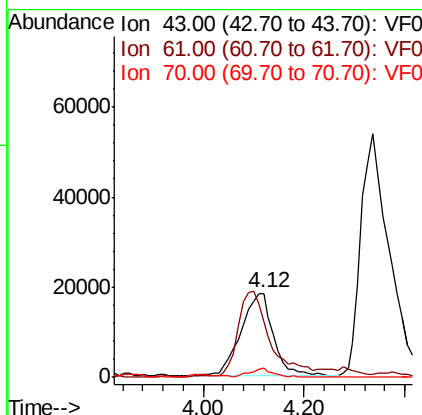
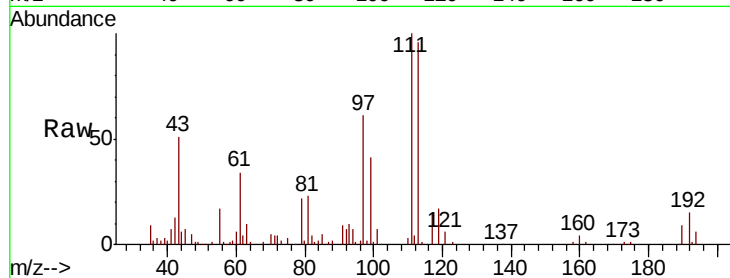
#37
Ethyl Acetate
Concen: 60.895 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.03 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	66.6	68.6	103.0#
70	10.5	9.0	13.4

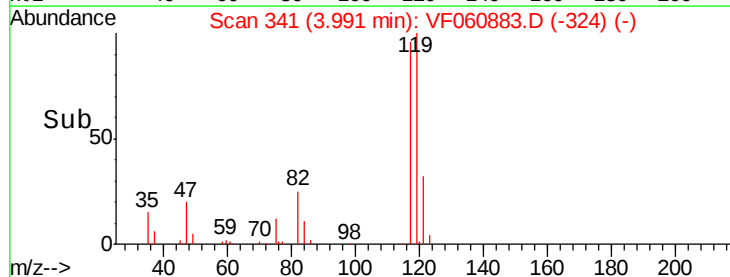
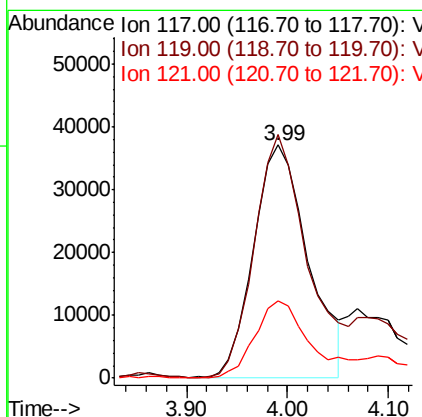
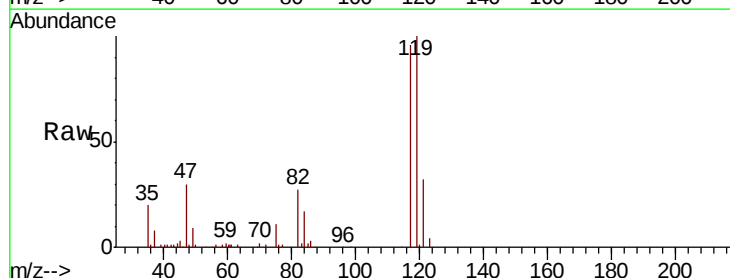
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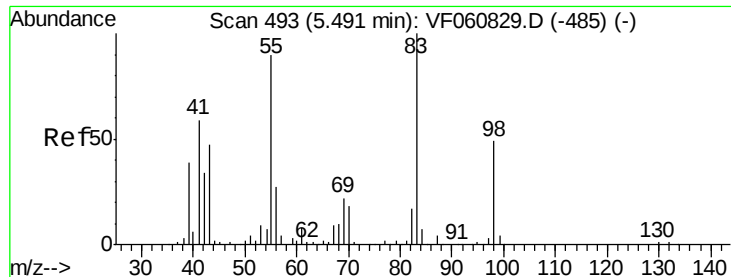
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#38
Carbon Tetrachloride
Concen: 47.296 ug/l
RT: 3.99 min Scan# 341
Delta R.T. -0.03 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	104.5	74.4	111.6
121	33.3	23.5	35.3





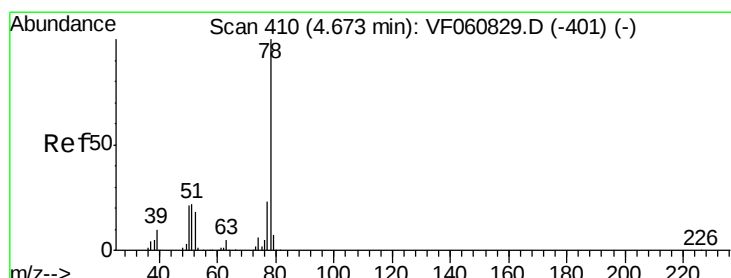
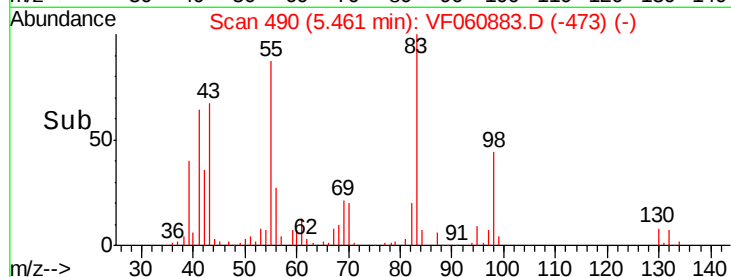
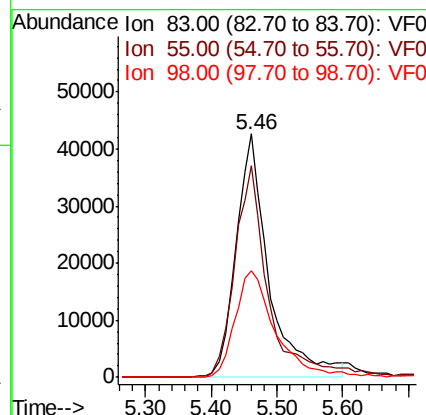
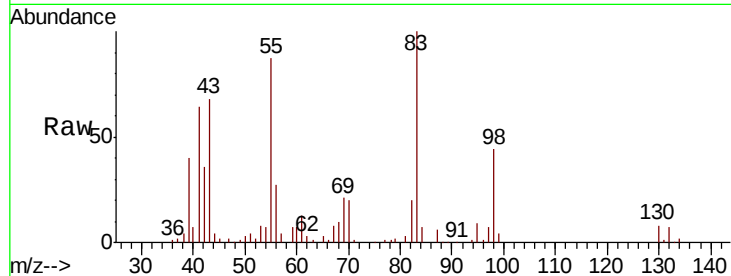
#39
Methvlcvclohexane
Concen: 42.468 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.03 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.1	72.1	108.1
98	44.0	39.1	58.7

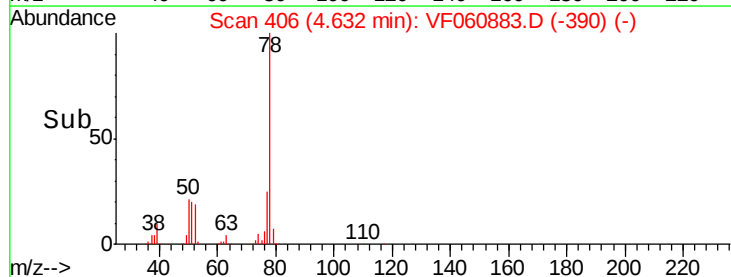
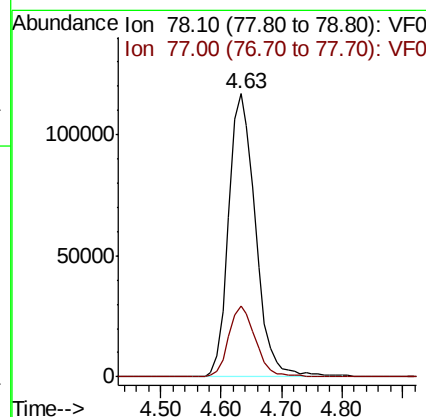
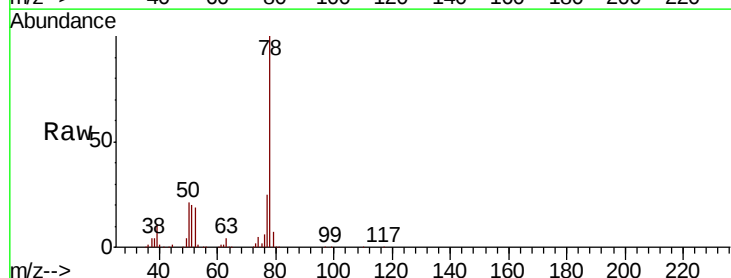
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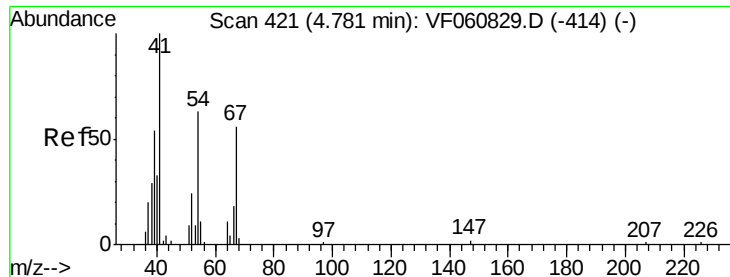
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#40
Benzene
Concen: 48.635 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.04 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	18.7	28.1





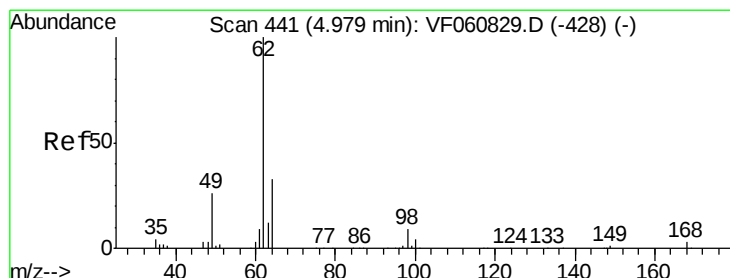
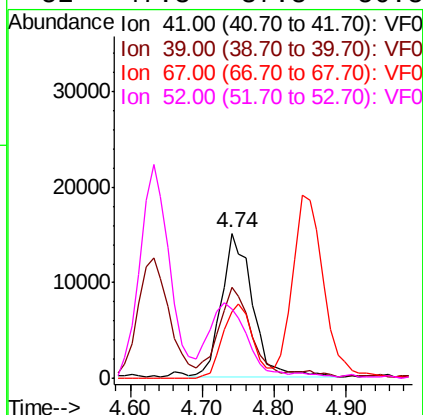
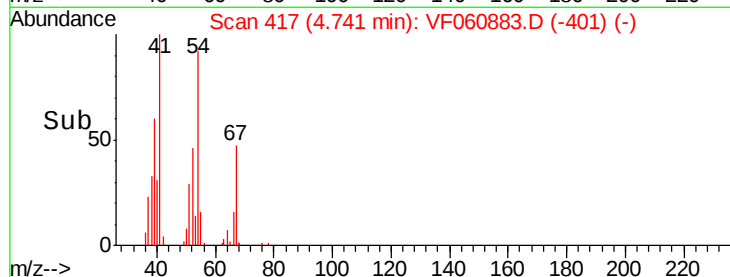
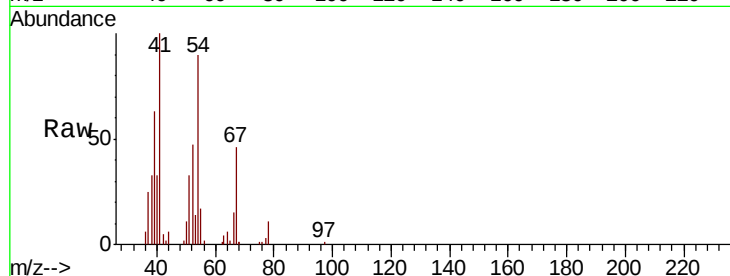
#41
Methacrylonitrile
Concen: 64.931 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.04 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.1	53.0	79.6
67	46.3	43.8	65.6
52	47.3	37.8	56.8

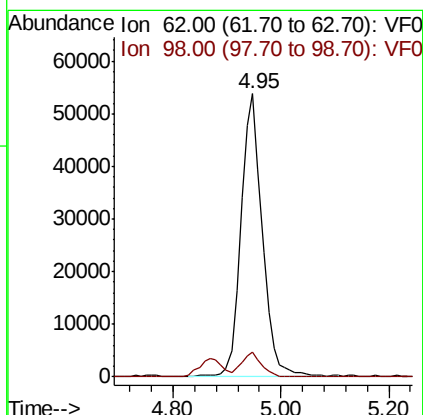
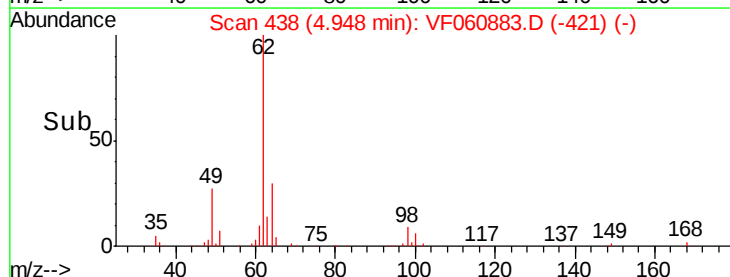
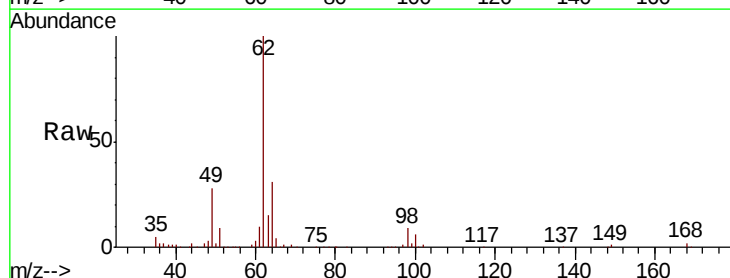
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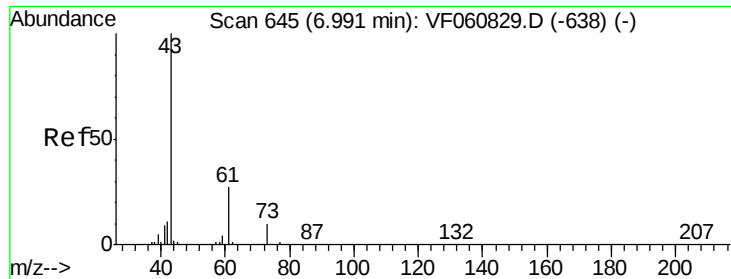
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#42
1,2-Dichloroethane
Concen: 54.714 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.03 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.2





#43

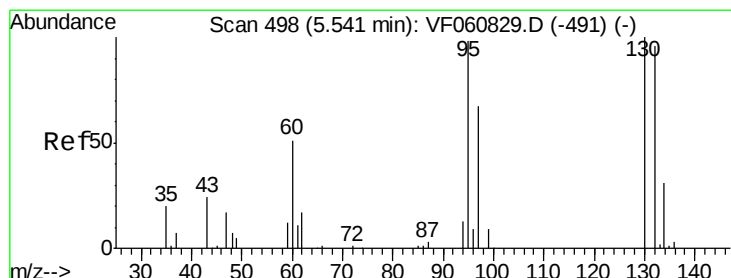
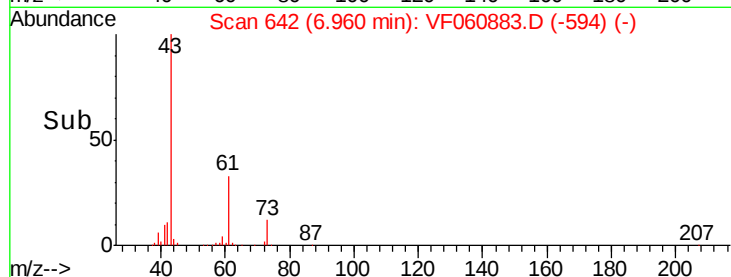
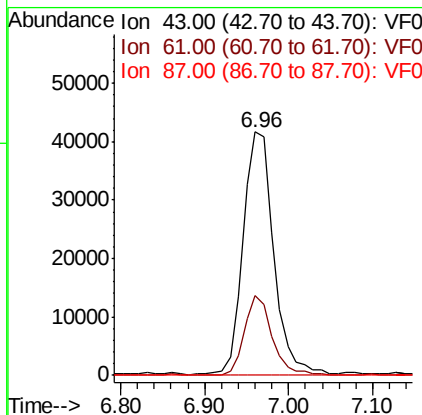
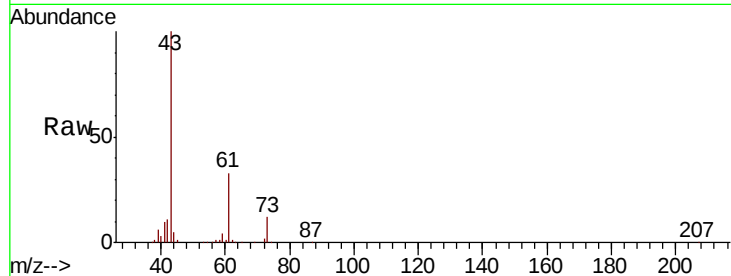
Isopropyl Acetate
 Concen: 62.900 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. -0.03 min
 Lab File: VF060883.D
 Acq: 29 Nov 2018 23:02

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MS

Tot Ion	43	Resp	104882
Ion Ratio	Lower	Upper	
43	100		
61	33.0	21.4	32.0#
87	0.3	0.2	0.4

Manual Integrations
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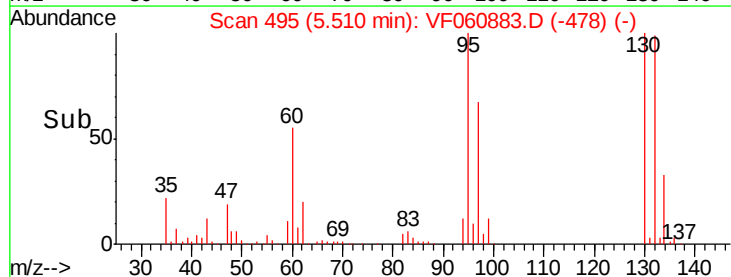
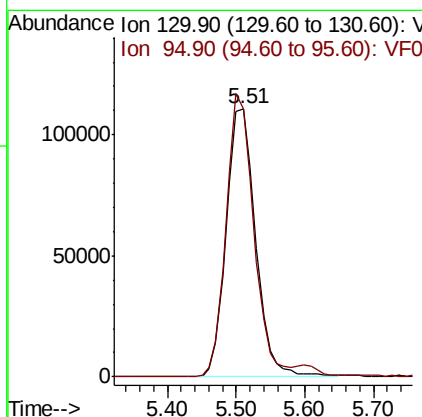
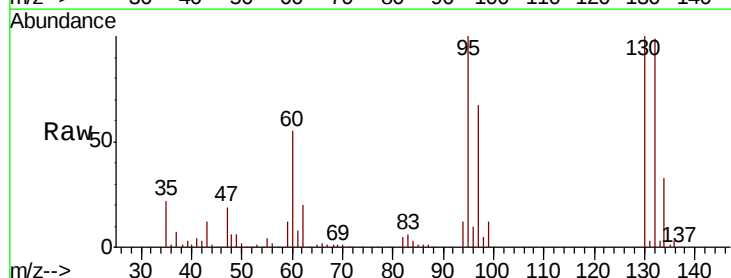
apatel
 12/3/2018 2:16:21 PM

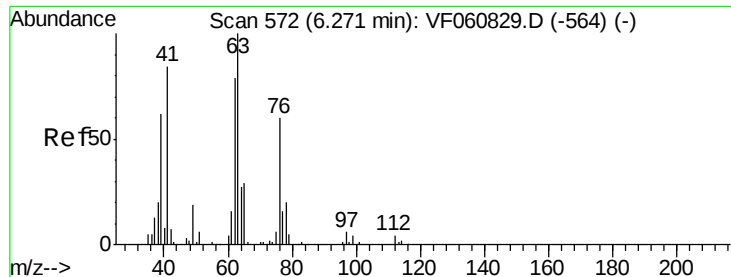


#44

Trichloroethene
 Concen: 135.073 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. -0.03 min
 Lab File: VF060883.D
 Acq: 29 Nov 2018 23:02

Tgt Ion	130	Resp	328137
Ion Ratio	Lower	Upper	
130	100		
95	99.7	0.0	195.6





#45

1,2-Dichloropropane

Concen: 56.113 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.03 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion: 63 Resp: 108279

Ion Ratio Lower Upper

63 100

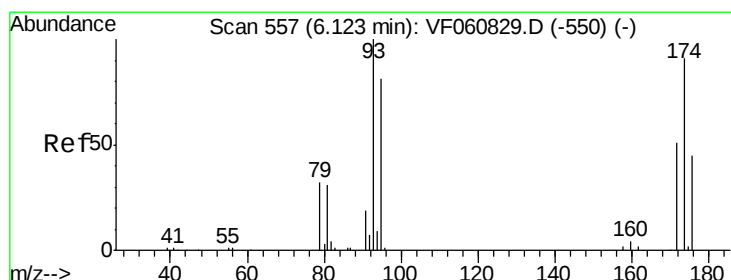
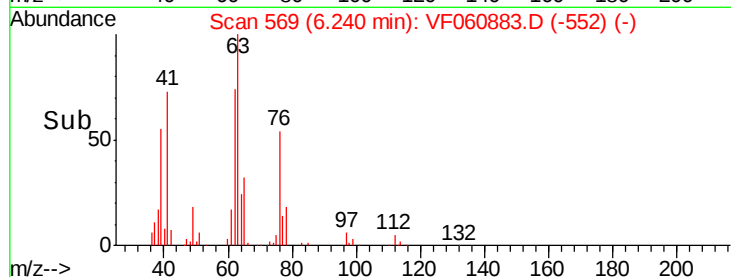
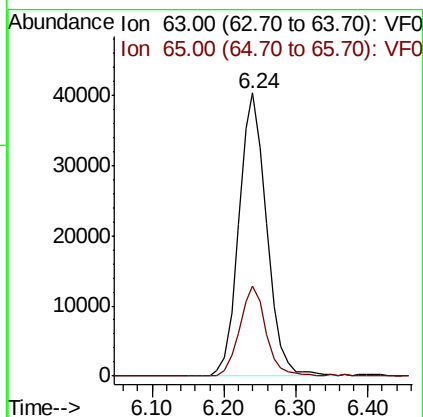
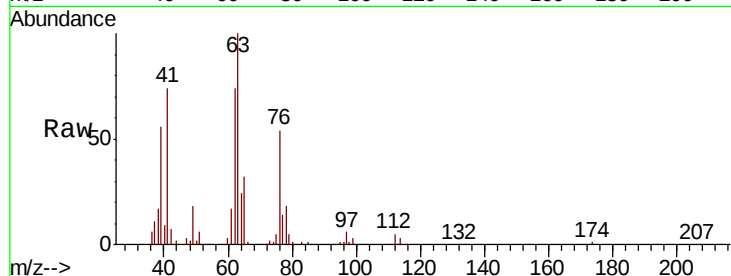
65 32.0 23.2 34.8

Manual Integrations

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#46

Dibromomethane

Concen: 56.132 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.03 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

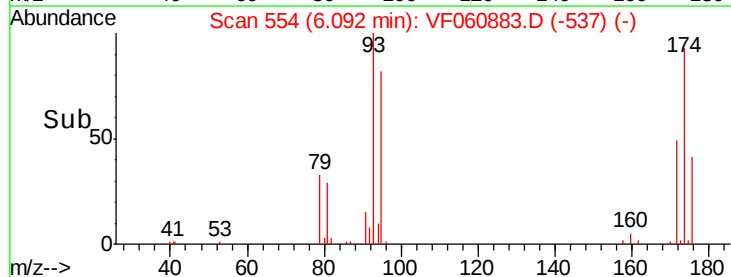
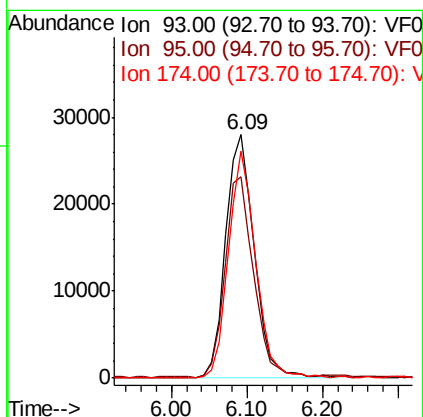
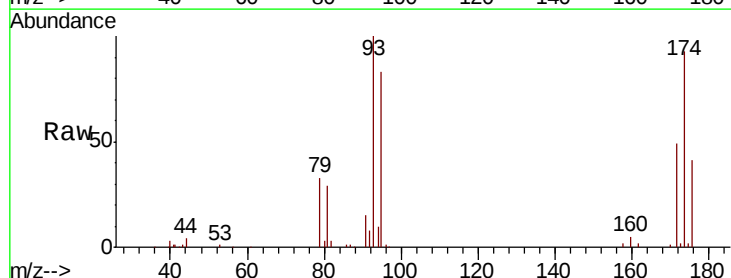
Tgt Ion: 93 Resp: 73477

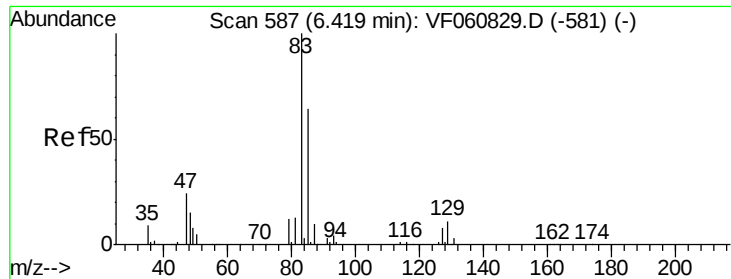
Ion Ratio Lower Upper

93 100

95 82.5 64.7 97.1

174 93.1 73.0 109.6





#47

Bromodichloromethane

Concen: 52.335 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.03 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Instrument :

MSVOA_F

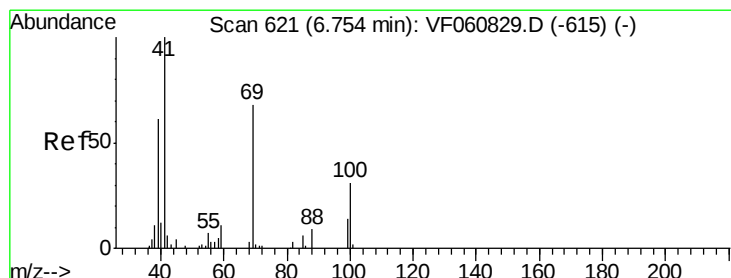
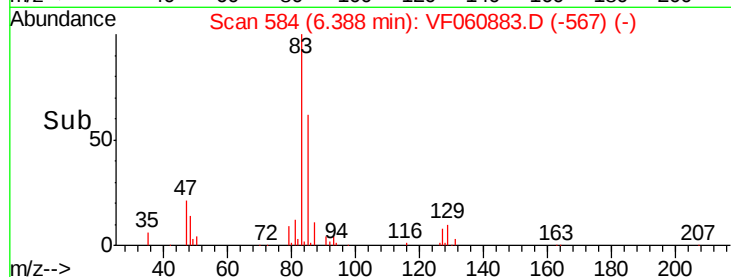
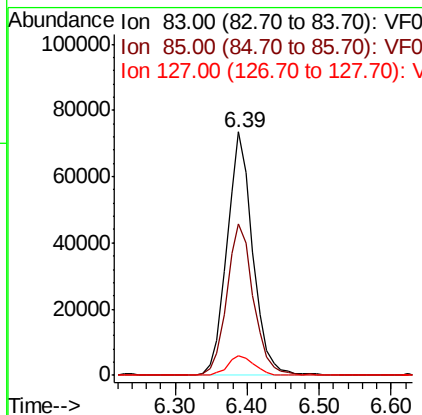
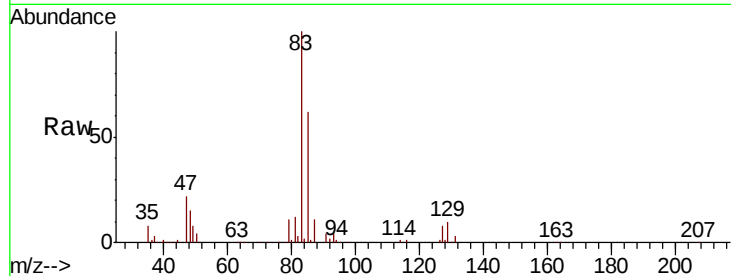
ClientSampleId :

S49-0483MS

Tot Ion:	83	Resp:	181954
Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.1	76.7
127	7.9	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 59.814 ug/l

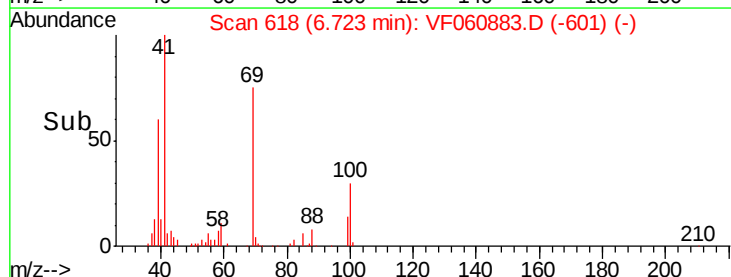
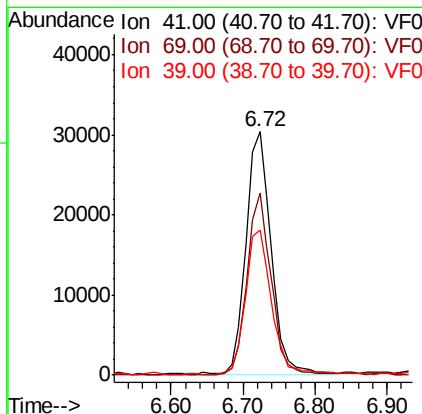
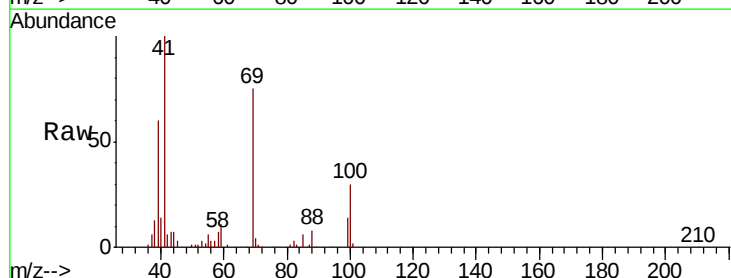
RT: 6.72 min Scan# 618

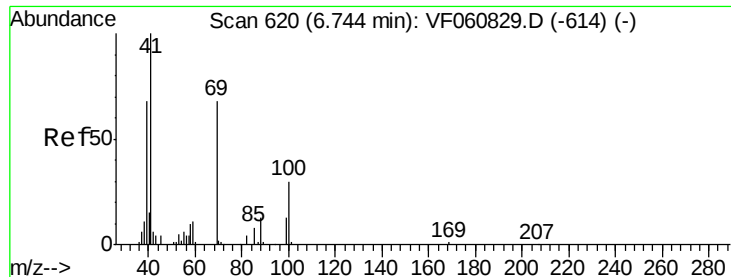
Delta R.T. -0.03 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Tgt Ion:	41	Resp:	73996
Ion	Ratio	Lower	Upper
41	100		
69	74.7	53.9	80.9
39	59.6	49.0	73.6





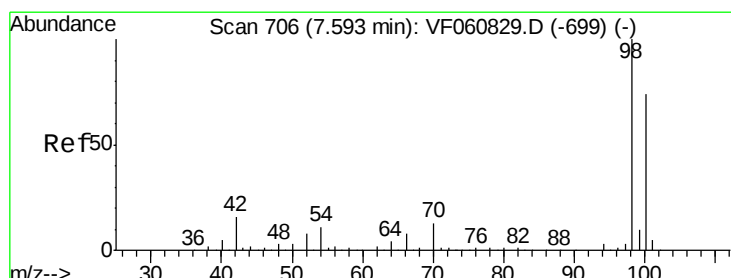
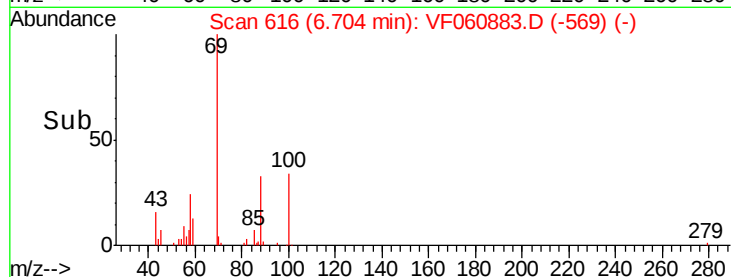
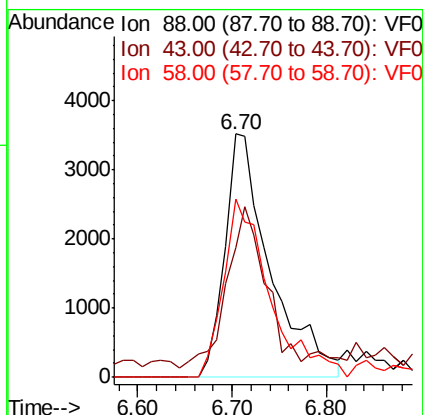
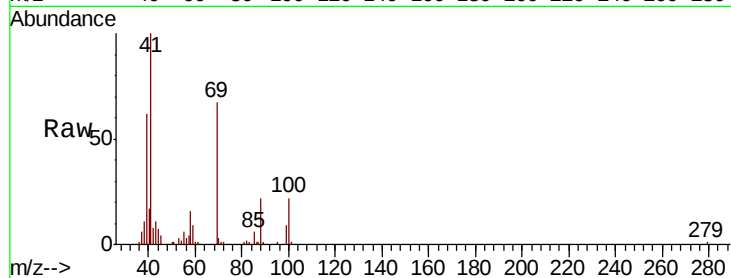
#49
1,4-Dioxane
Concen: 1298.101 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.04 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	53.1	42.0	63.0
58	73.4	61.8	92.8

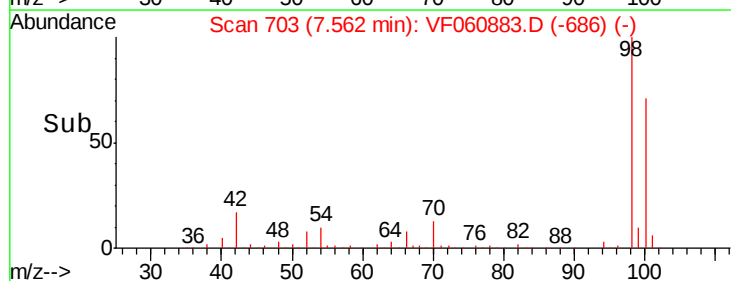
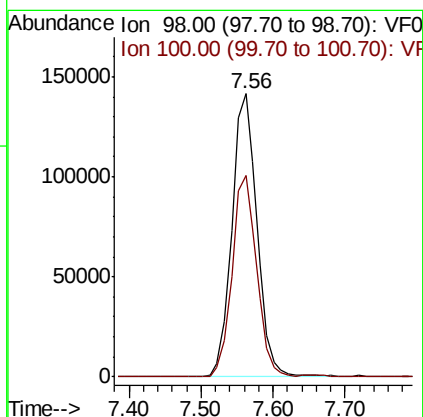
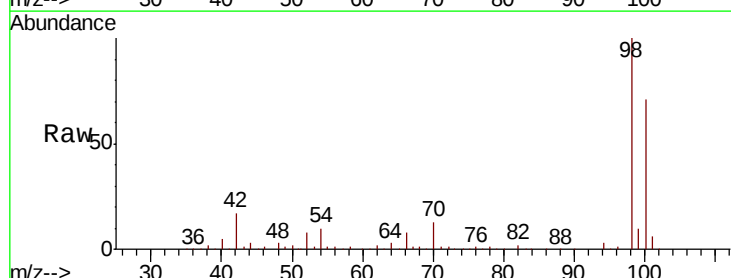
Manual Integrations
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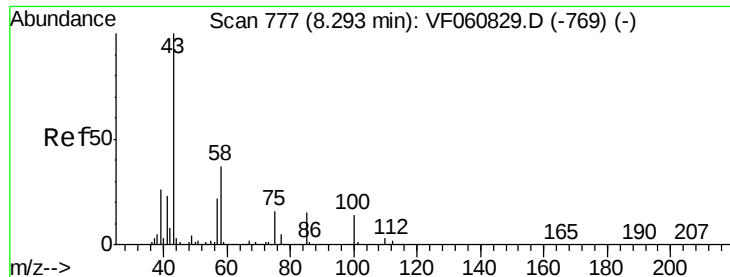
apatel
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#50
Toluene-d8
Concen: 48.511 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.03 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.2	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 303.435 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.03 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion: 43 Resp: 382425

Ion Ratio Lower Upper

43 100

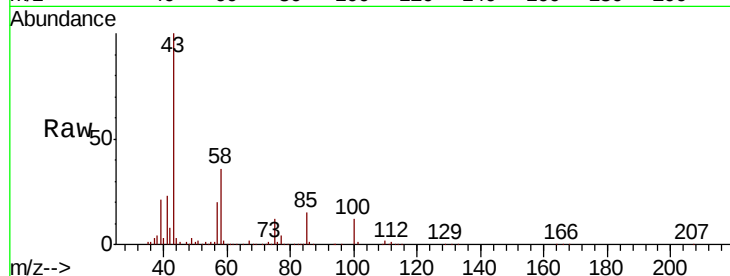
58 35.5 29.7 44.5

Manual Integrations

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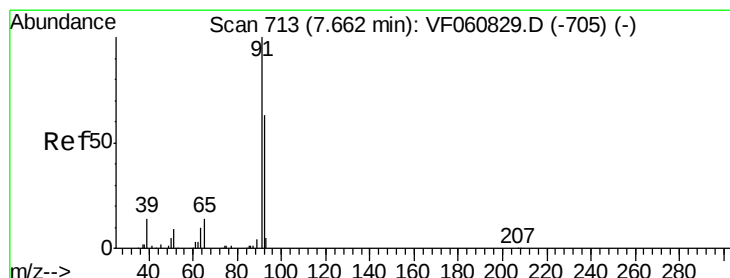
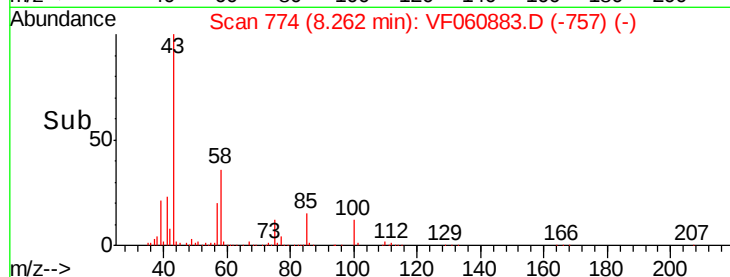
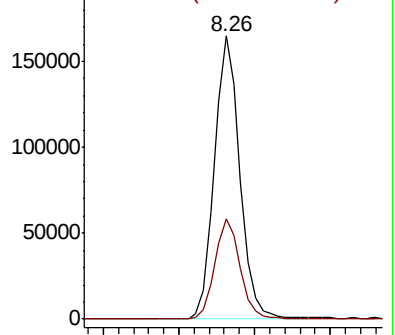
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 49.816 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.03 min

Lab File: VF060883.D

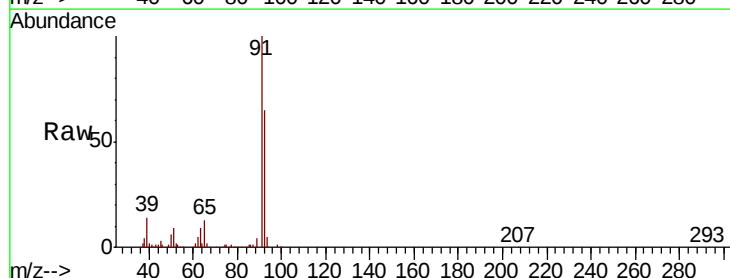
Acq: 29 Nov 2018 23:02

Tgt Ion: 92 Resp: 259987

Ion Ratio Lower Upper

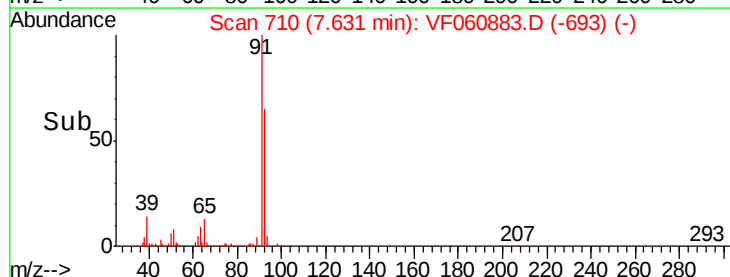
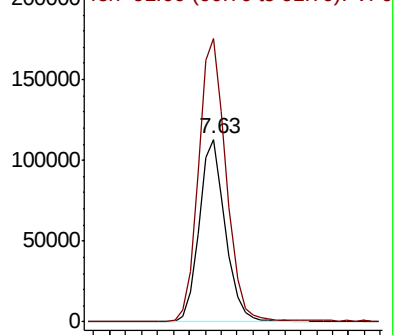
92 100

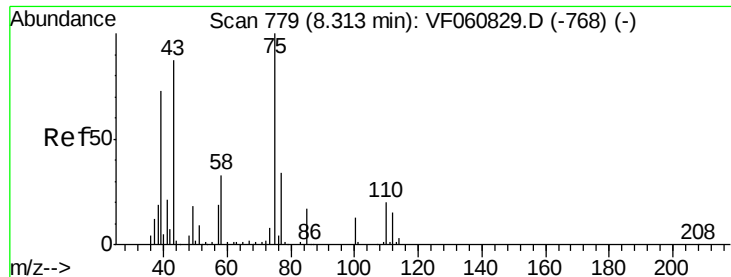
91 154.8 126.2 189.2



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: 52.260 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.03 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion: 75 Resp: 147791

Ion Ratio Lower Upper

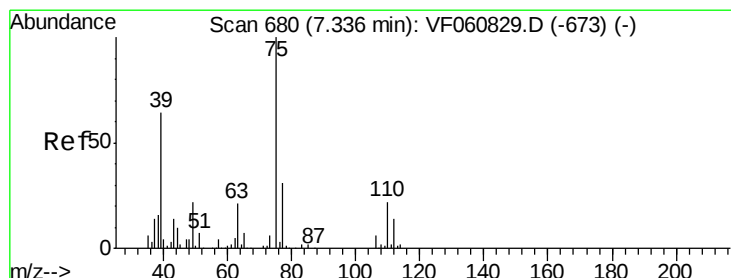
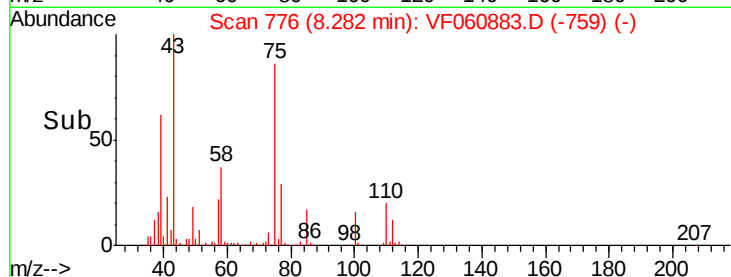
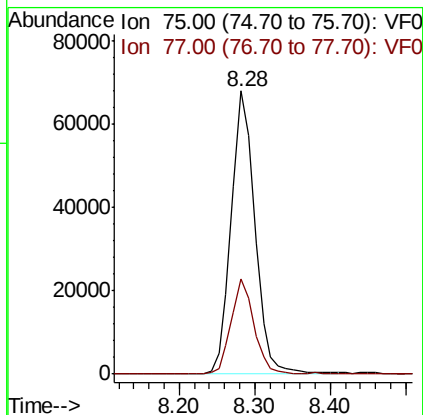
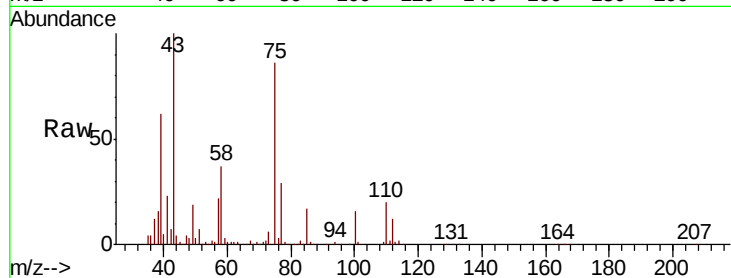
75 100

77 33.5 27.4 41.2

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#54

cis-1,3-Dichloropropene

Concen: 51.508 ug/l

RT: 7.31 min Scan# 677

Delta R.T. -0.03 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

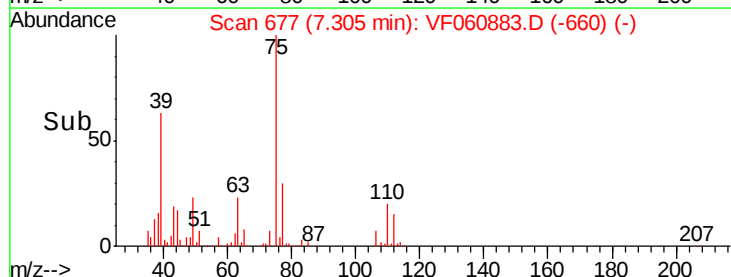
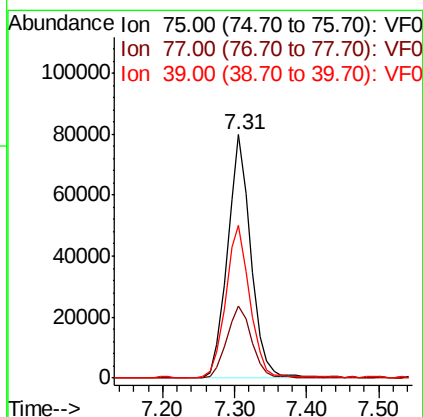
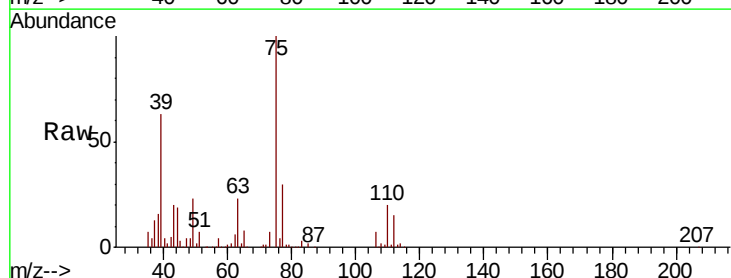
Tgt Ion: 75 Resp: 180329

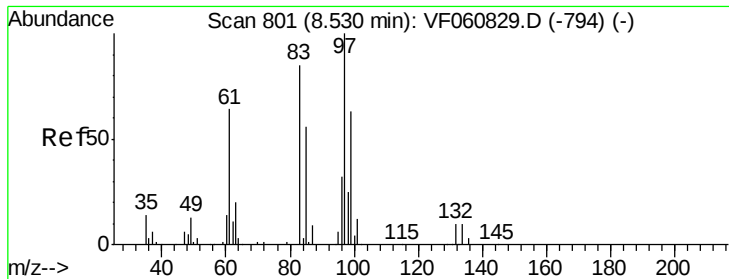
Ion Ratio Lower Upper

75 100

77 29.7 25.0 37.6

39 62.9 51.1 76.7





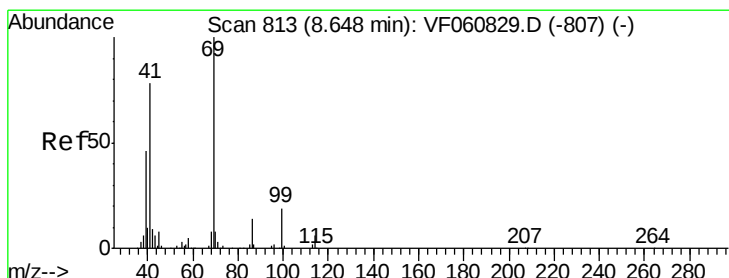
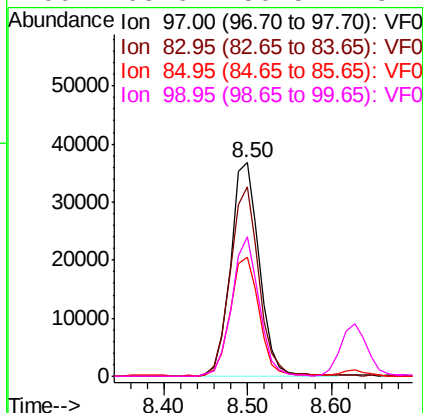
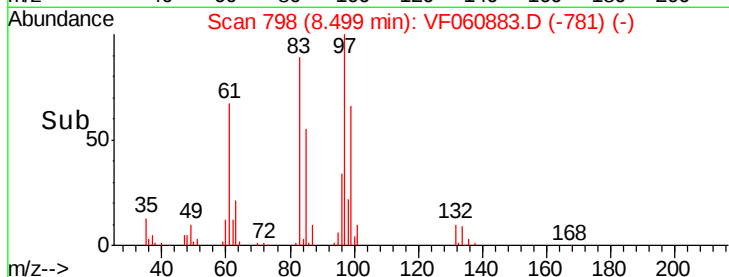
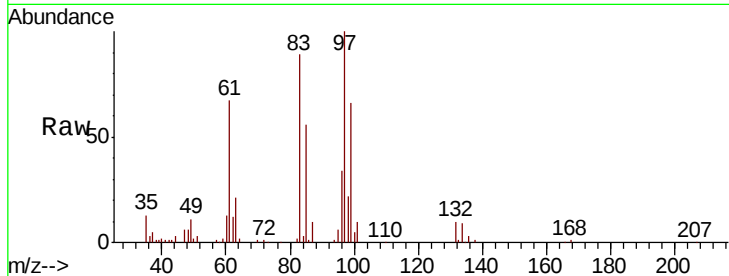
#55
 1,1,2-Trichloroethane
 Concen: 57.218 ug/l
 RT: 8.50 min Scan# 798
 Delta R.T. -0.03 min
 Lab File: VF060883.D
 Acq: 29 Nov 2018 23:02

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MS

Tot Ion:	97	Resp:	87013
Ion	Ratio	Lower	Upper
97	100		
83	88.9	67.8	101.6
85	55.7	45.0	67.6
99	65.6	50.5	75.7

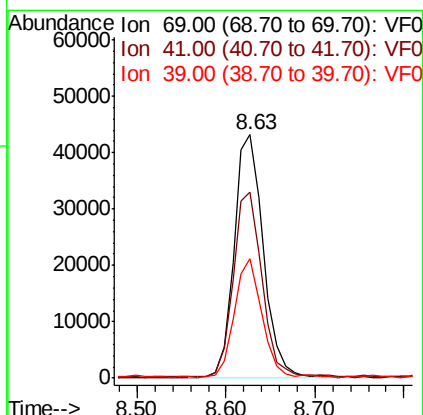
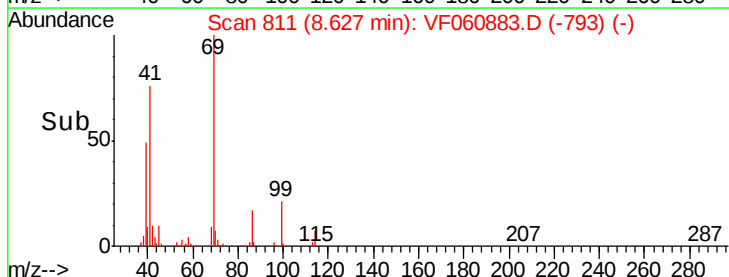
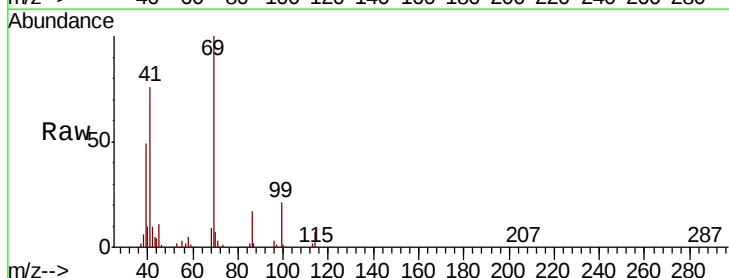
Manual Integrations
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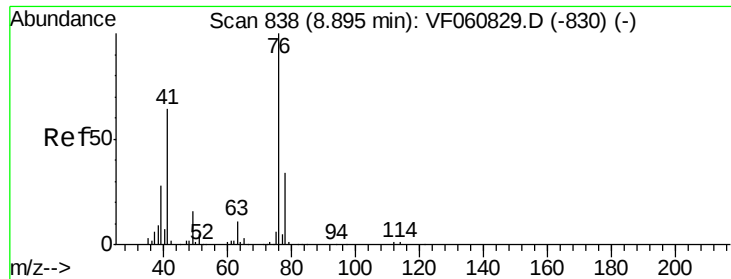
apatel
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#56
 Ethyl methacrylate
 Concen: 58.806 ug/l
 RT: 8.63 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: VF060883.D
 Acq: 29 Nov 2018 23:02

Tgt Ion:	69	Resp:	99343
Ion	Ratio	Lower	Upper
69	100		
41	76.5	62.6	94.0
39	49.2	37.8	56.6





#57

1,3-Dichloropropane

Concen: 58.824 ug/l

RT: 8.86 min Scan# 835

Delta R.T. -0.03 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion: 76 Resp: 156506

Ion Ratio Lower Upper

76 100

78 32.5

27.0

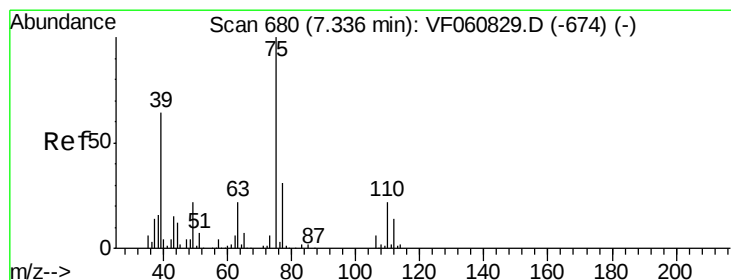
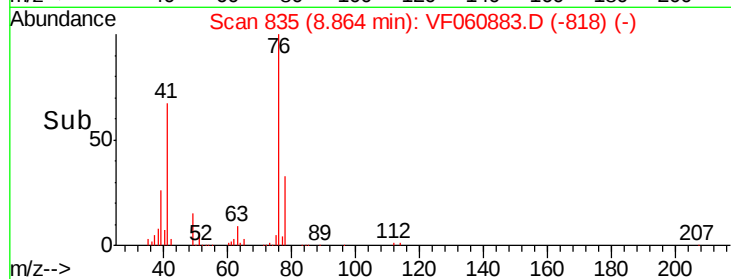
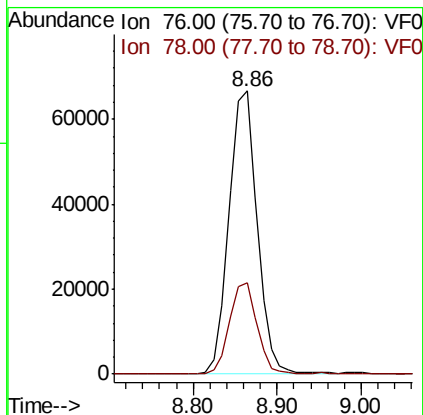
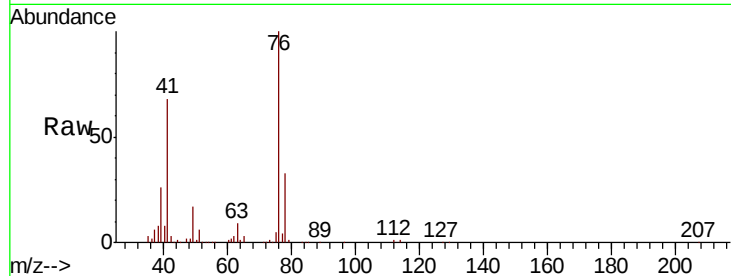
40.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 267.325 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.04 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Tgt Ion: 63 Resp: 46192

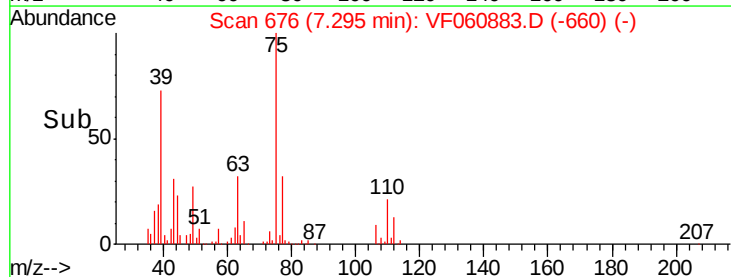
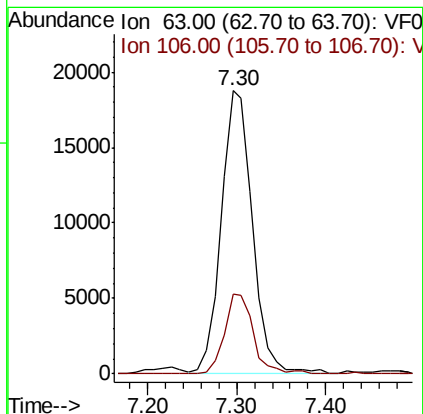
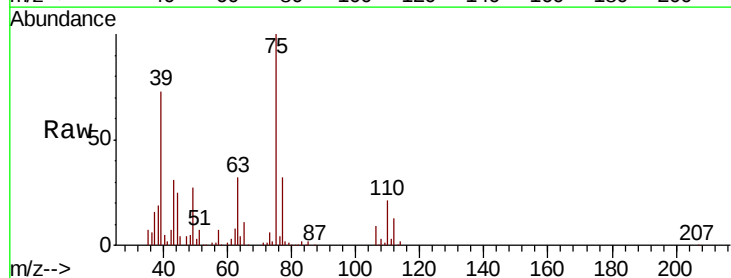
Ion Ratio Lower Upper

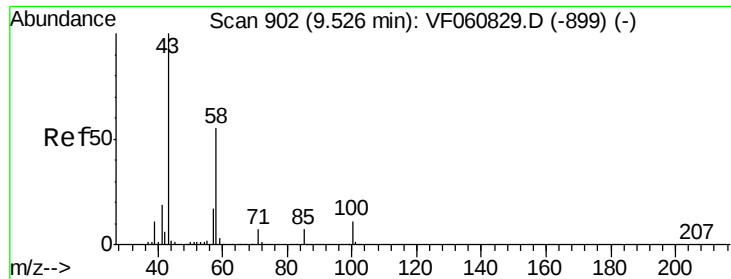
63 100

106 28.2

23.0

34.6





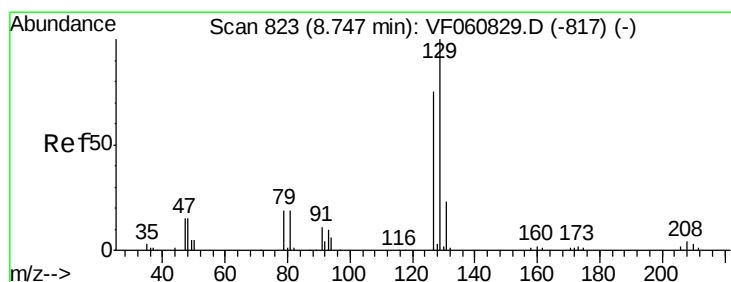
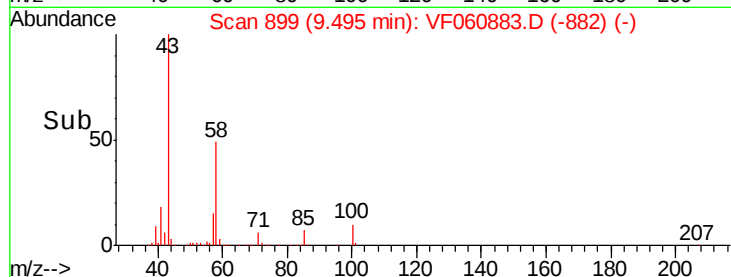
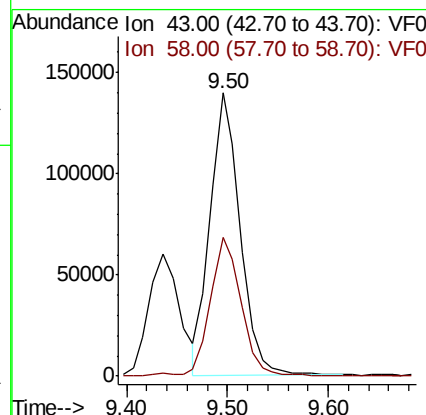
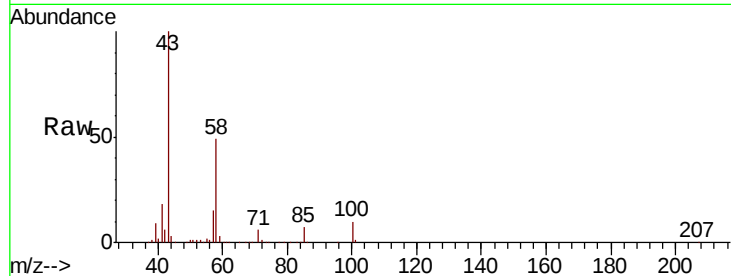
#59
2-Hexanone
Concen: 326.065 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.03 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	43	Resp	288304
Ion Ratio	43	100	
Lower	58	48.8	25.6
Upper			76.6

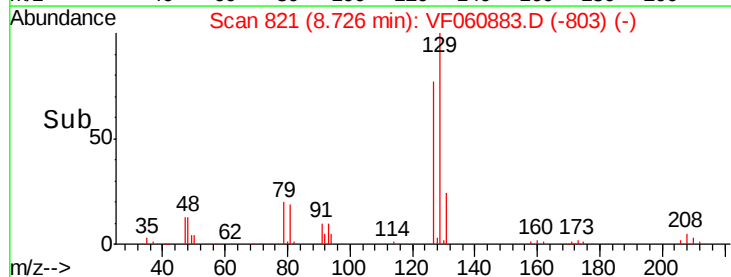
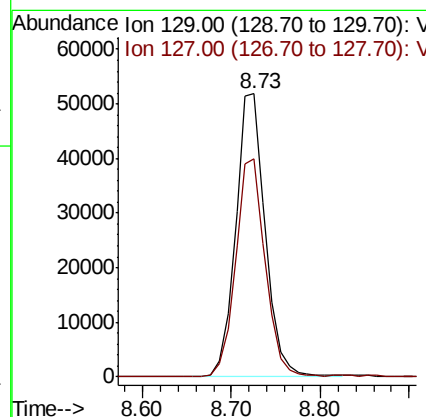
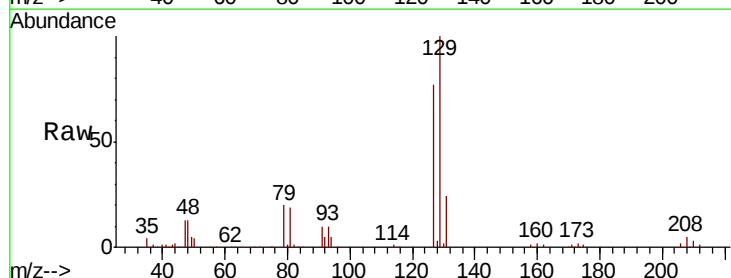
Manual Integrations
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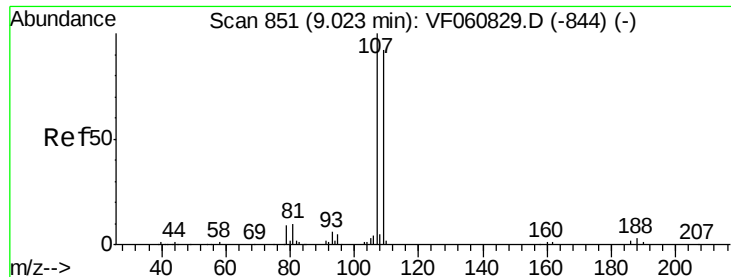
apatel
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#60
Dibromochloromethane
Concen: 53.086 ug/l
RT: 8.73 min Scan# 821
Delta R.T. -0.02 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Tgt Ion	129	Resp	120283
Ion Ratio	129	100	
Lower	127	77.2	37.3
Upper			111.9





#61

1,2-Dibromoethane

Concen: 57.946 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.03 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion:107 Resp: 95195

Ion Ratio Lower Upper

107 100

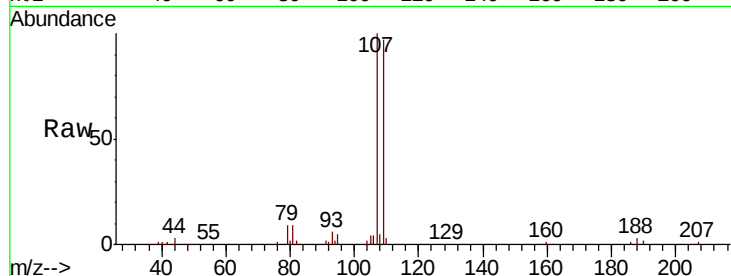
109 96.6 73.6 110.4

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.99

40000

30000

20000

10000

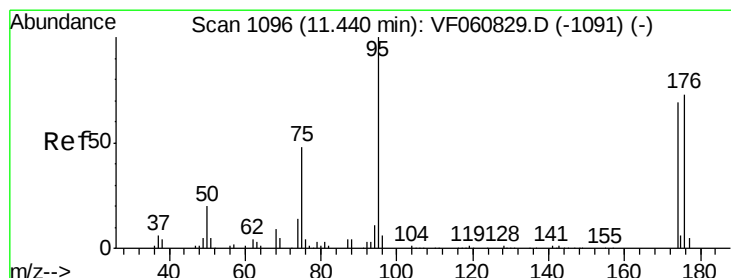
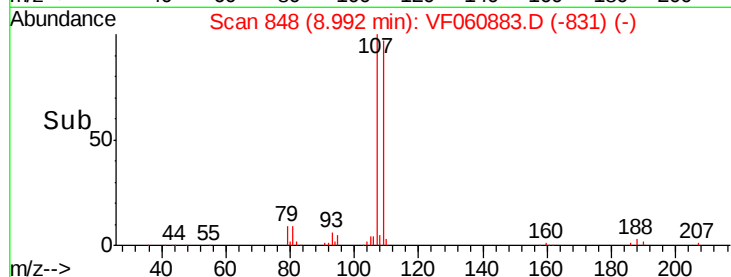
0

Time-->

8.90

9.00

9.10



#62

4-Bromofluorobenzene

Concen: 50.335 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.02 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

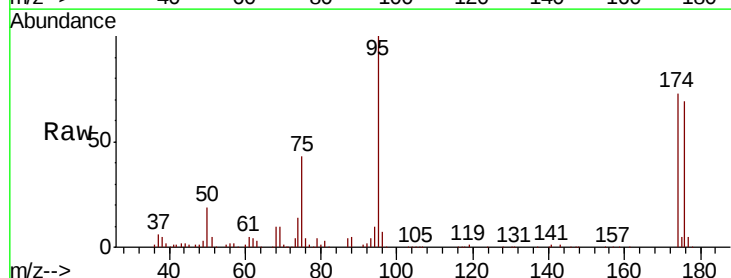
Tgt Ion: 95 Resp: 162099

Ion Ratio Lower Upper

95 100

174 73.4 0.0 138.2

176 68.9 0.0 146.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.42

120000

100000

80000

60000

40000

20000

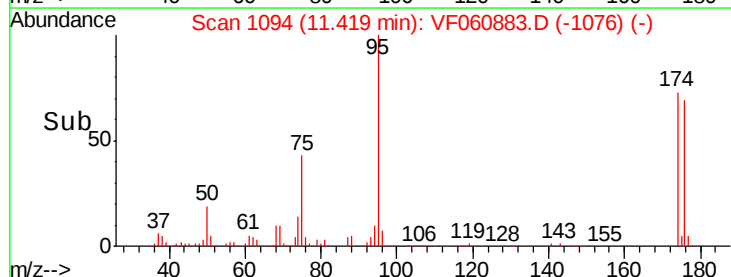
0

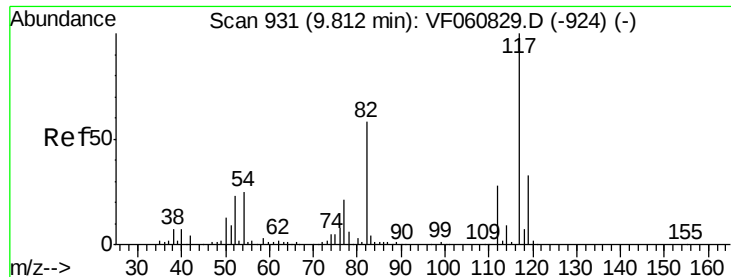
Time-->

11.30

11.40

11.50





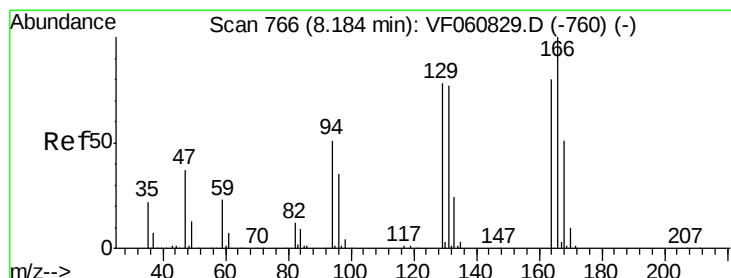
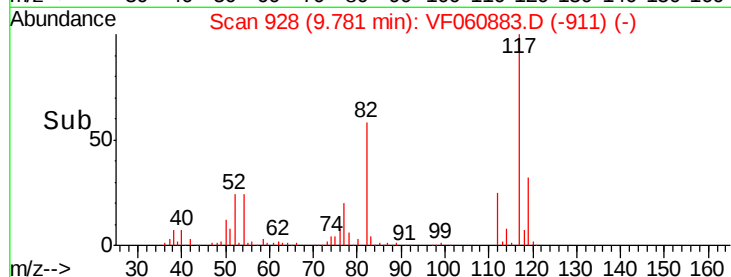
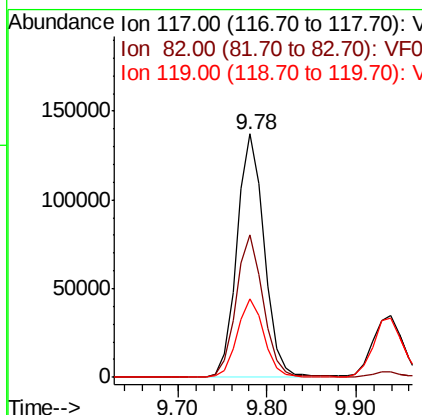
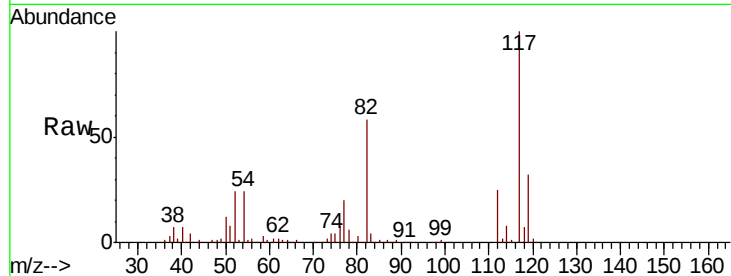
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	293409		
82	58.3		46.6	69.8
119	32.1		26.4	39.6

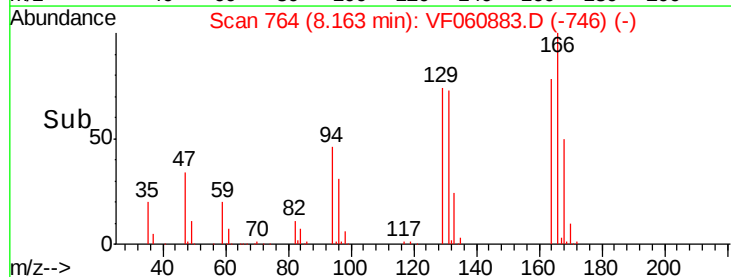
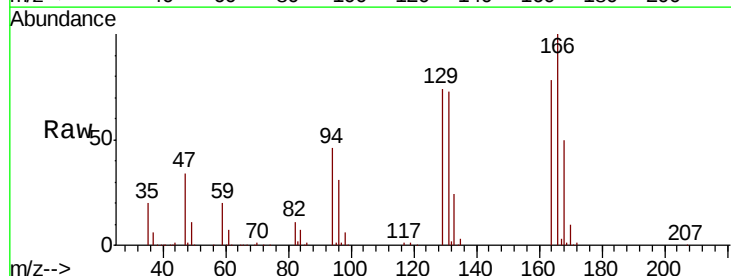
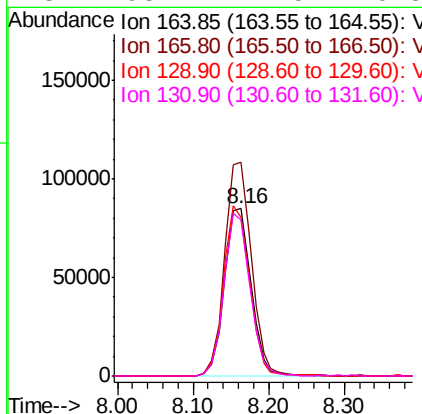
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#64
Tetrachloroethene
Concen: 92.507 ug/l
RT: 8.16 min Scan# 764
Delta R.T. -0.02 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	207314		
166	127.4		100.3	150.5
129	94.7		77.9	116.9
131	93.4		77.5	116.3





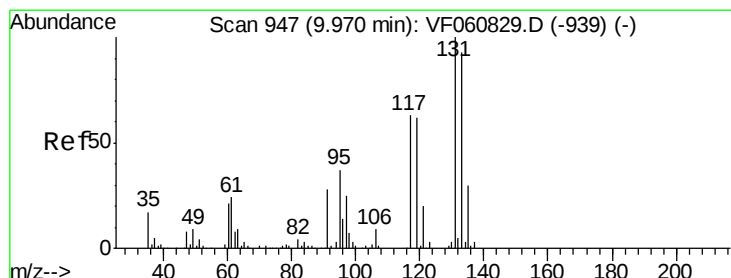
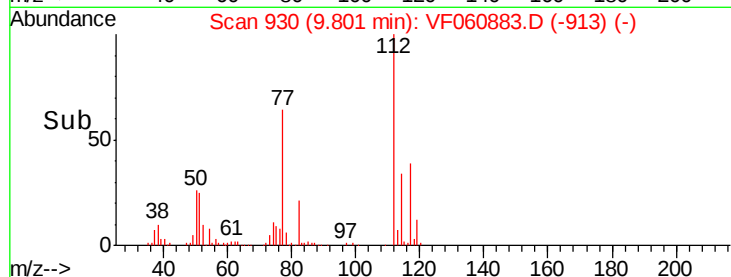
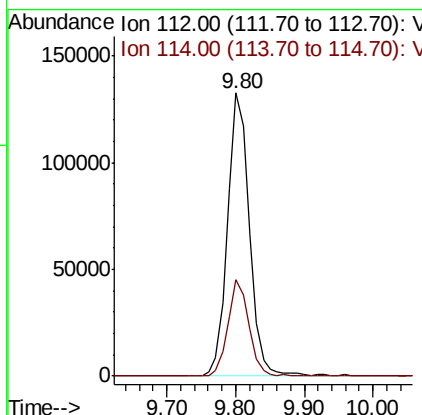
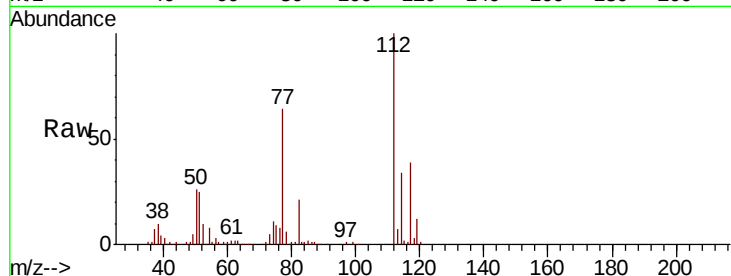
#65
Chlorobenzene
Concen: 51.165 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.03 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.1	26.0	39.0

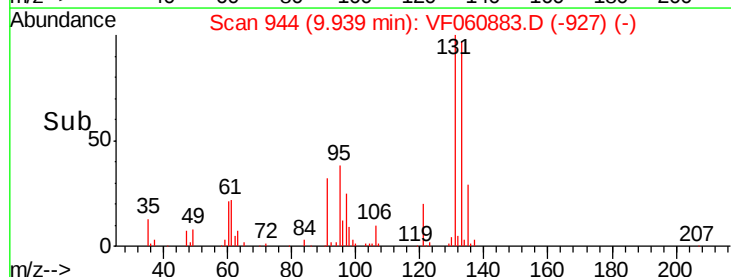
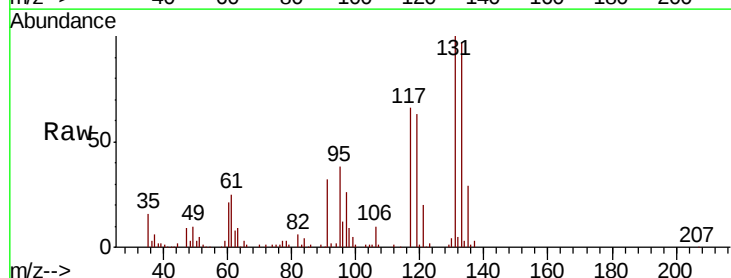
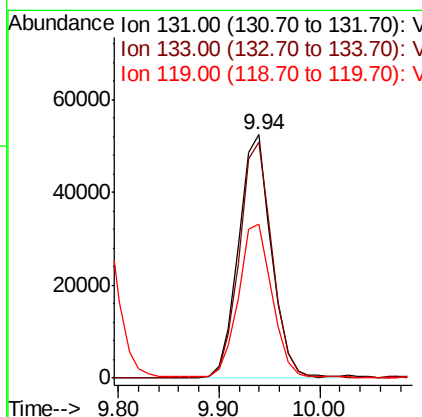
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.491 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.03 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	46.5	139.3
119	63.3	31.1	93.3





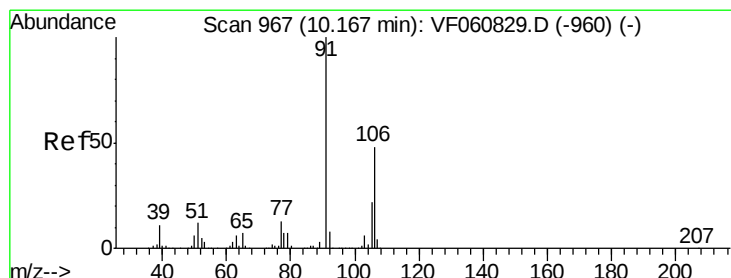
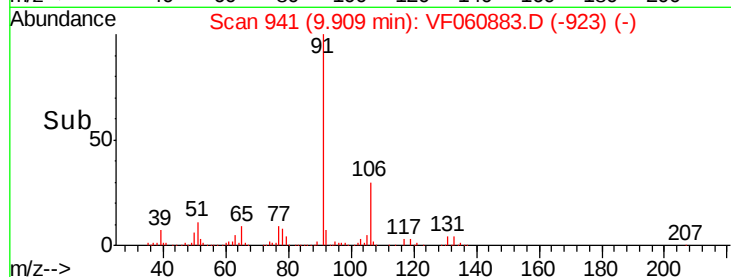
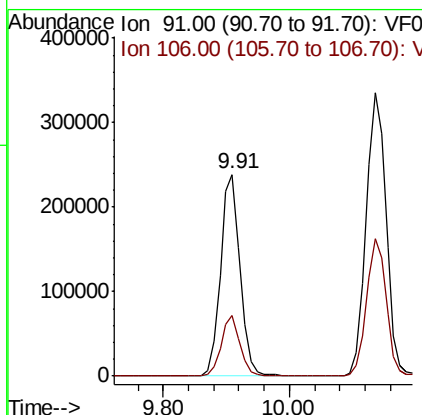
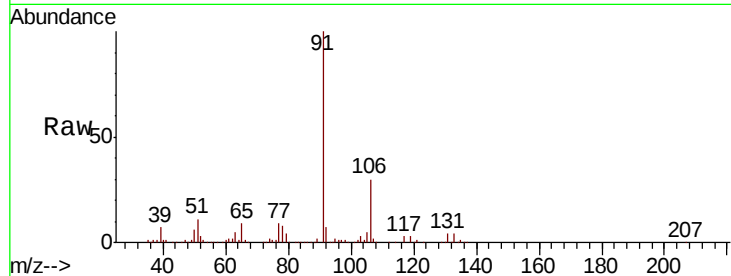
#67
Ethyl Benzene
Concen: 48.834 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.02 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion: 91 Resp: 518933
Ion Ratio Lower Upper
91 100
106 30.1 22.2 33.2

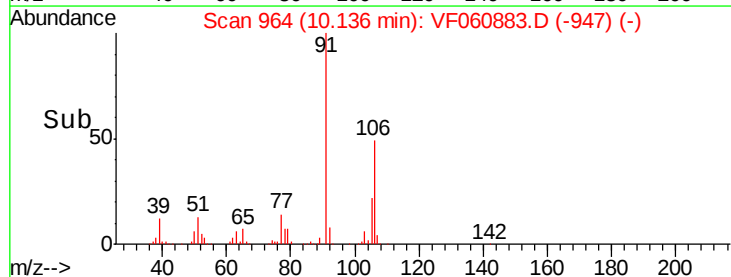
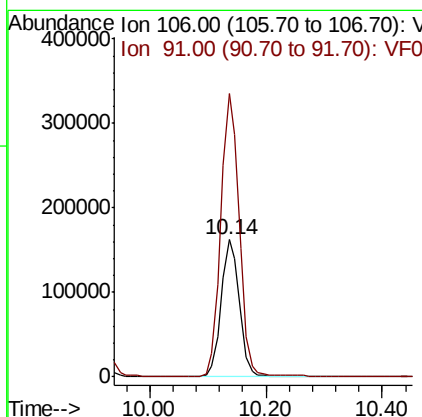
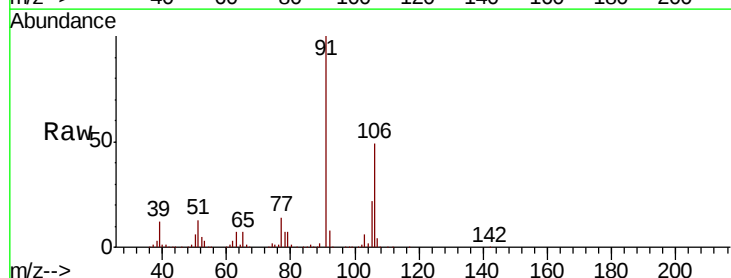
Manual Integrations
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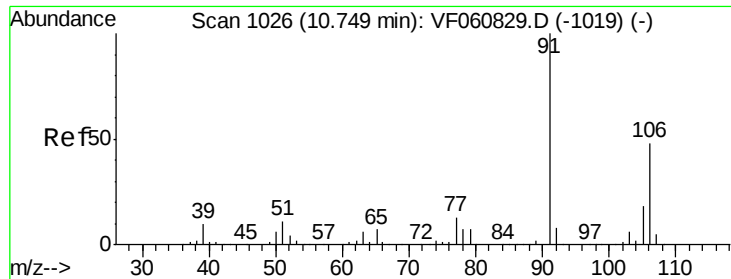
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#68
m/p-Xylenes
Concen: 91.385 ug/l
RT: 10.14 min Scan# 964
Delta R.T. -0.03 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Tgt Ion: 106 Resp: 349264
Ion Ratio Lower Upper
106 100
91 206.1 166.7 250.1





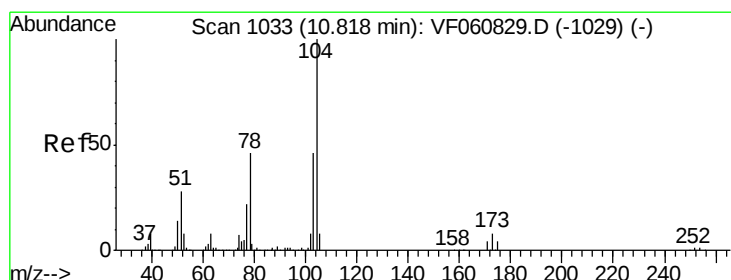
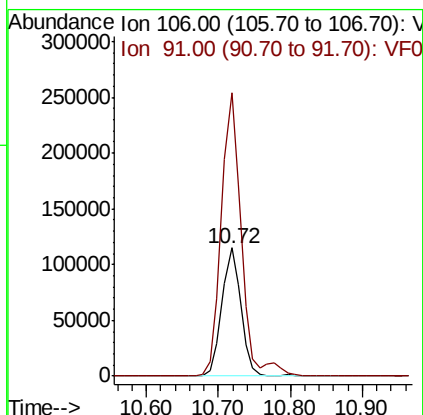
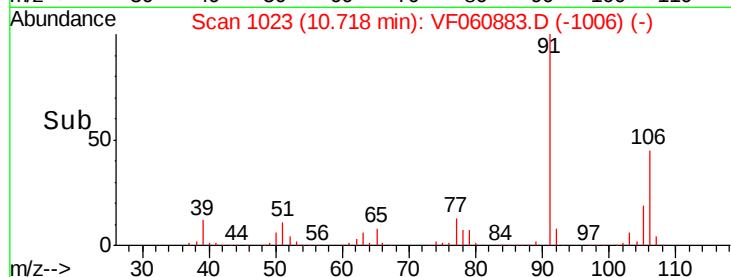
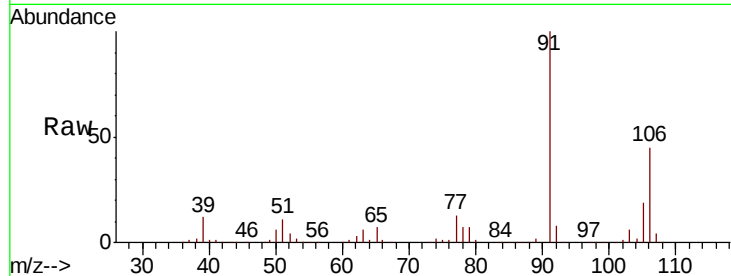
#69
o-Xylene
Concen: 50.269 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.03 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		211855		
91	220.9	104.8	314.6		

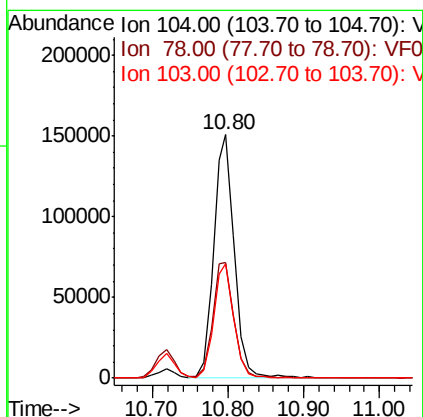
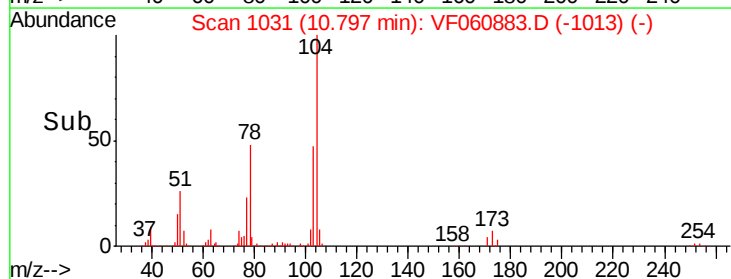
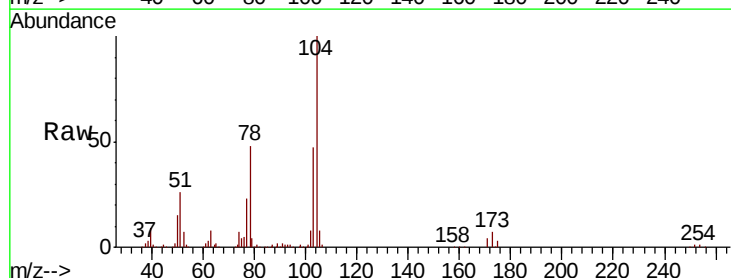
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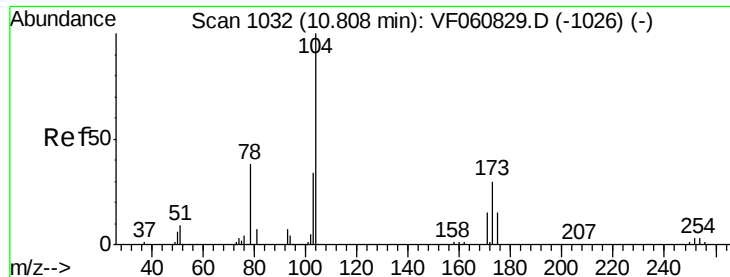
apatel
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#70
Styrene
Concen: 49.100 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.02 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		286850		
78	47.5	37.3	55.9		
103	47.2	36.8	55.2		





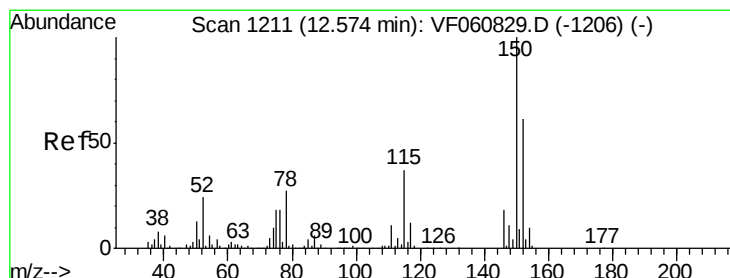
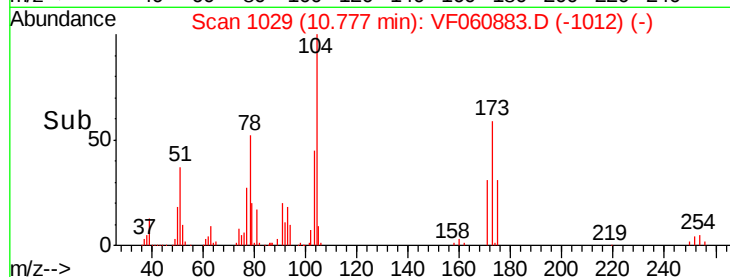
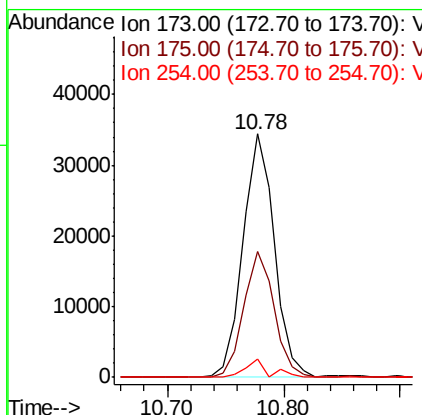
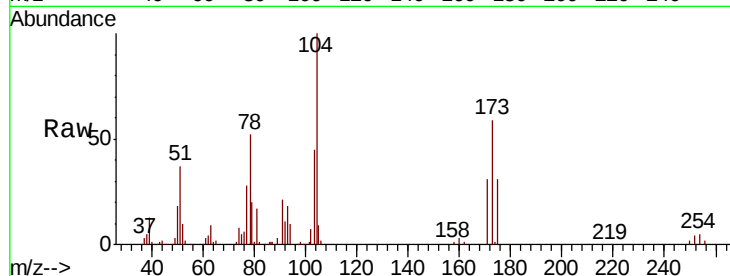
#71
Bromoform
Concen: 54.251 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.03 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.8	25.5	76.5
254	7.7	7.5	11.3

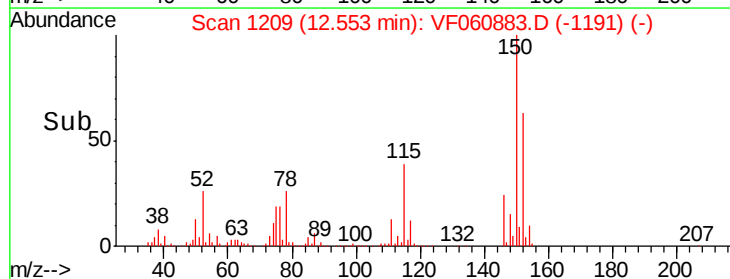
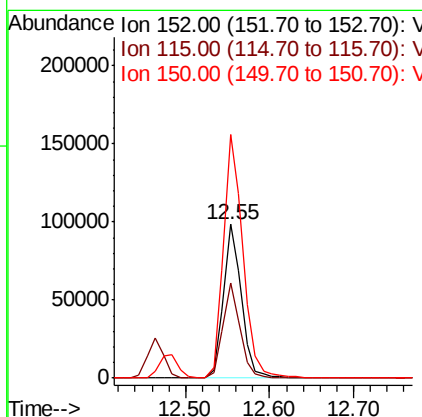
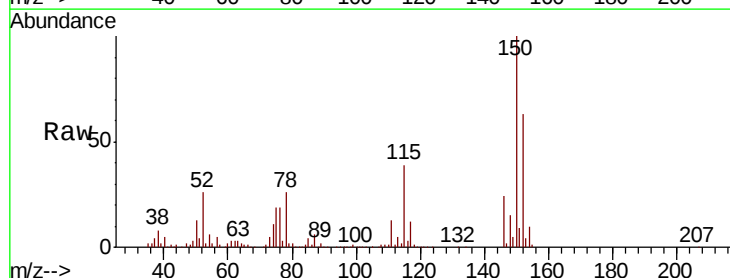
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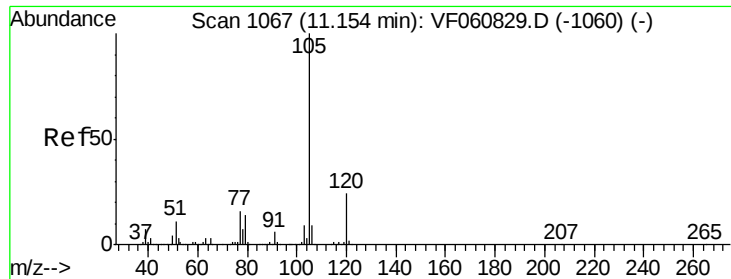
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	30.1	90.5
150	158.5	0.0	327.6





#73

Isopropylbenzene

Concen: 51.726 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.02 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion: 105 Resp: 600018

Ion Ratio Lower Upper

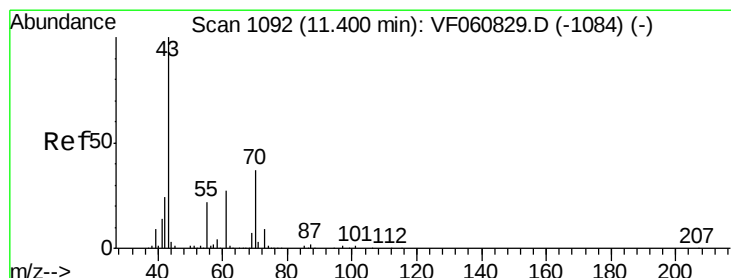
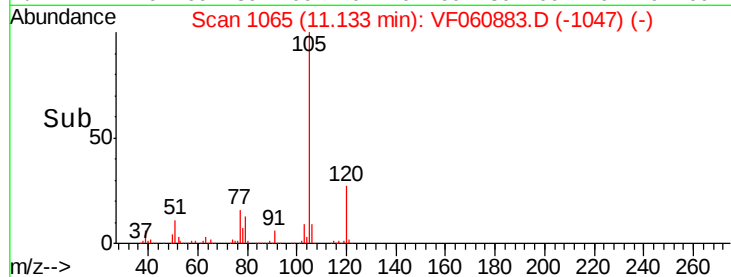
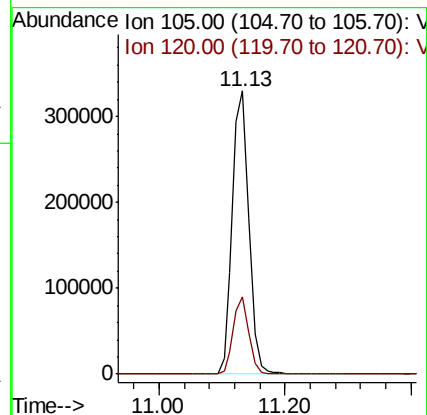
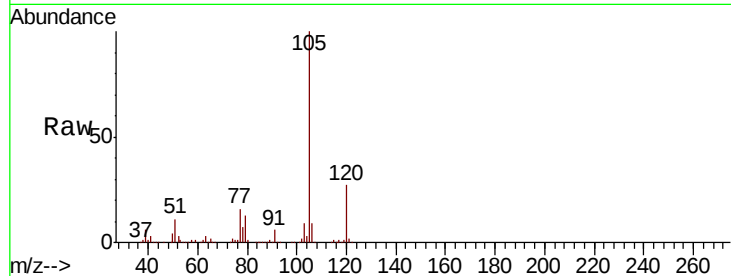
105 100

120 27.2 12.2 36.4

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#74

N-ethyl acetate

Concen: 60.018 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Tgt Ion: 43 Resp: 160764

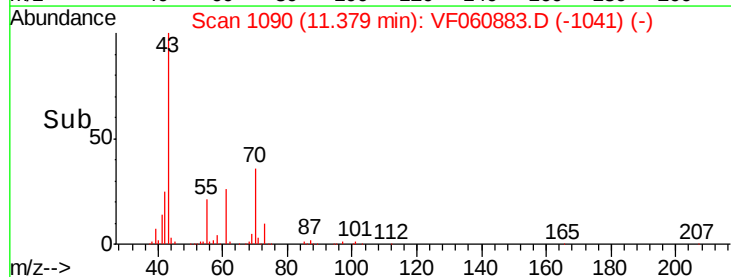
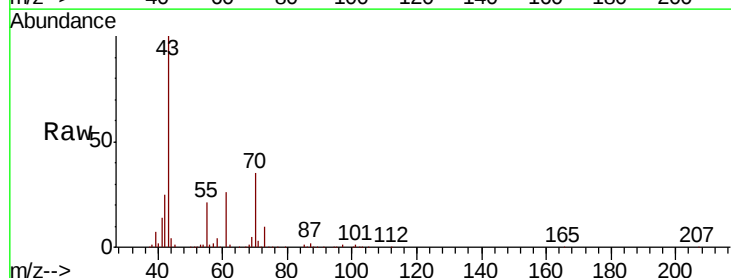
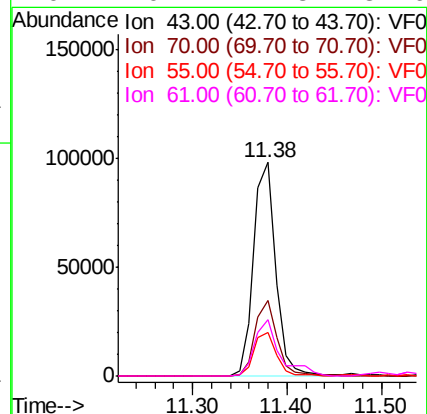
Ion Ratio Lower Upper

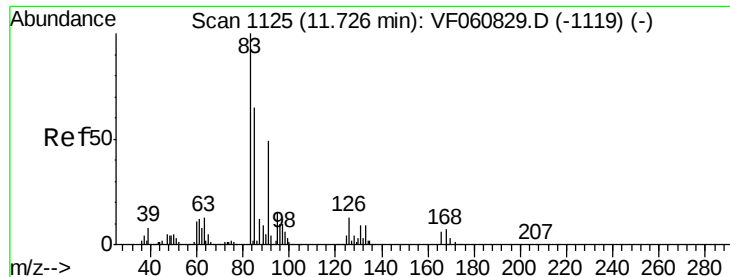
43 100

70 35.4 29.6 44.4

55 20.7 17.2 25.8

61 26.1 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 63.406 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Instrument :

MSVOA_F

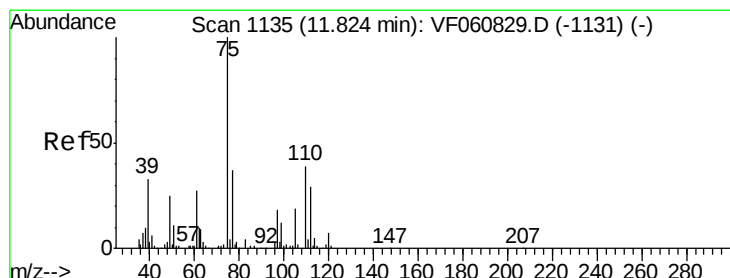
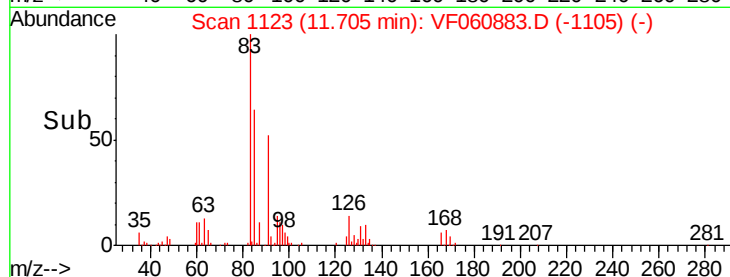
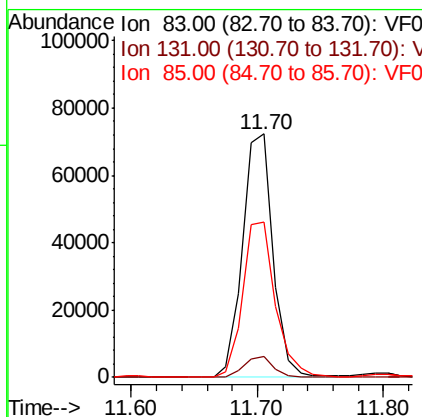
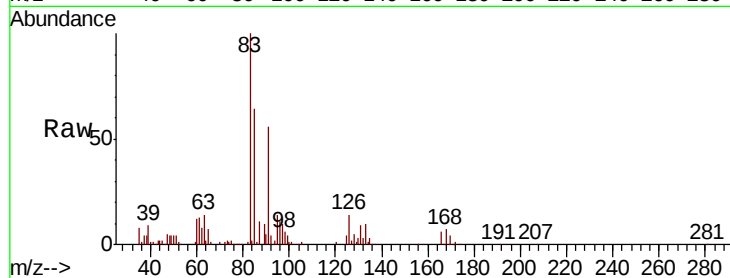
ClientSampleId :

S49-0483MS

Tot Ion:	83	Resp:	121048
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.7	14.1
85	63.9	32.6	97.8

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#76

1,2,3-Trichloropropane

Concen: 61.908 ug/l

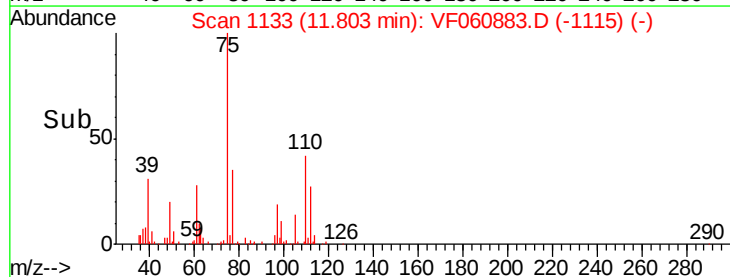
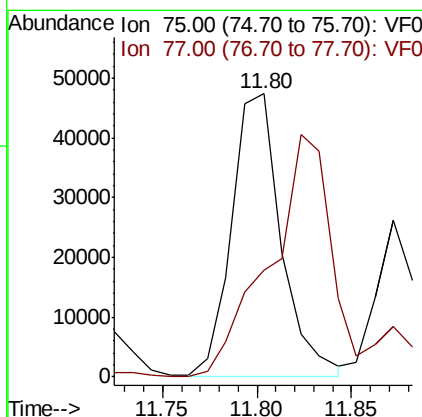
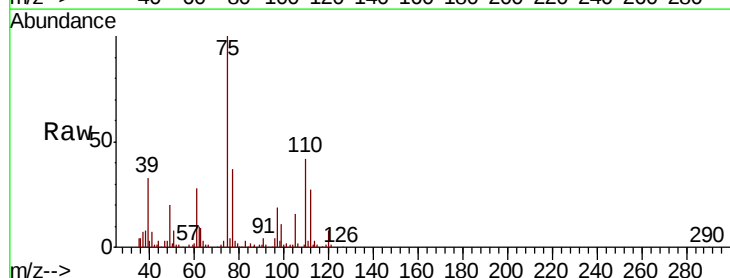
RT: 11.80 min Scan# 1133

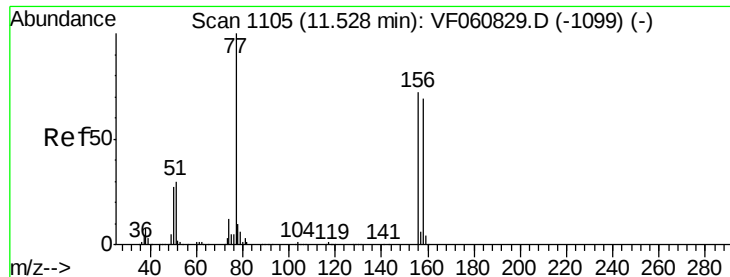
Delta R.T. -0.02 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Tgt Ion:	75	Resp:	85907
Ion Ratio	Lower	Upper	
75	100		
77	37.5	18.4	55.4





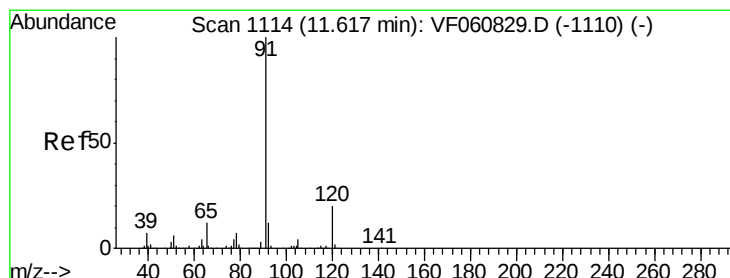
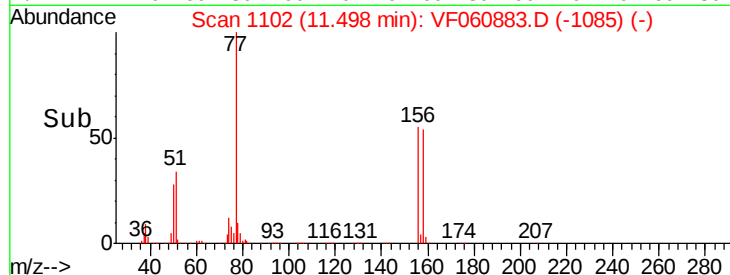
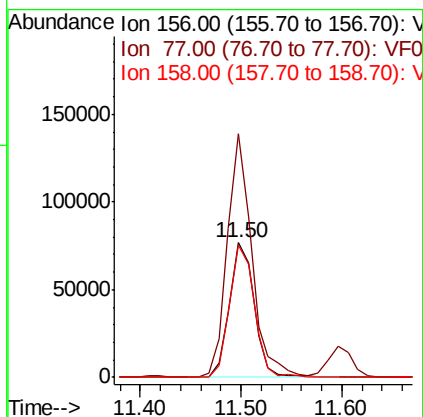
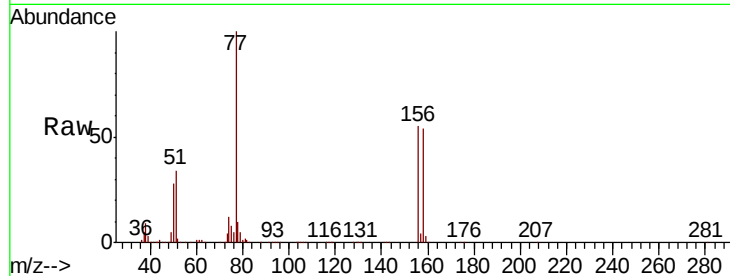
#77
Bromobenzene
Concen: 51.747 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. -0.03 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	181.4	69.7	209.0
158	98.3	47.8	143.4

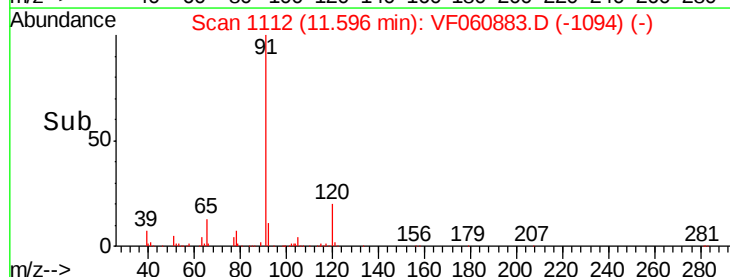
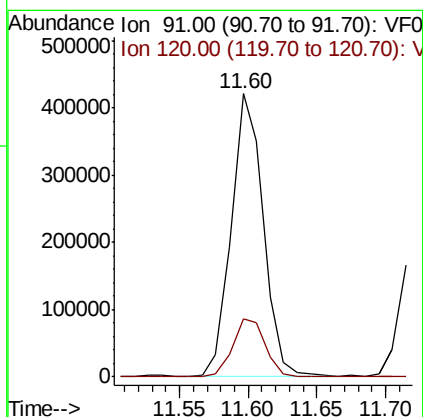
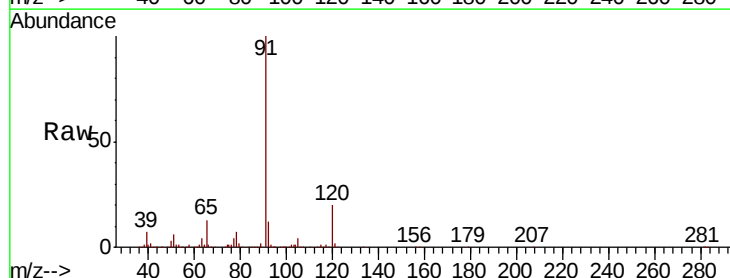
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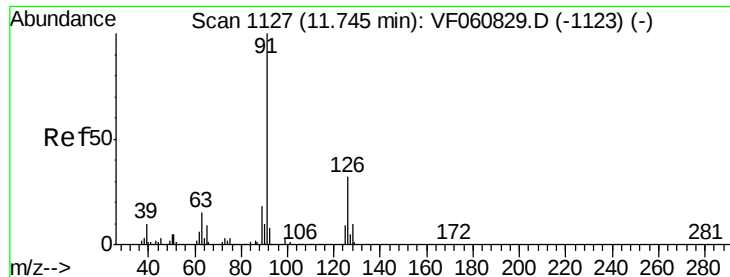
apatel
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#78
n-propylbenzene
Concen: 50.052 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. -0.02 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.4	10.3	30.8





#79

2-Chlorotoluene

Concen: 51.899 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.02 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion: 91 Resp: 404246

Ion Ratio Lower Upper

91 100

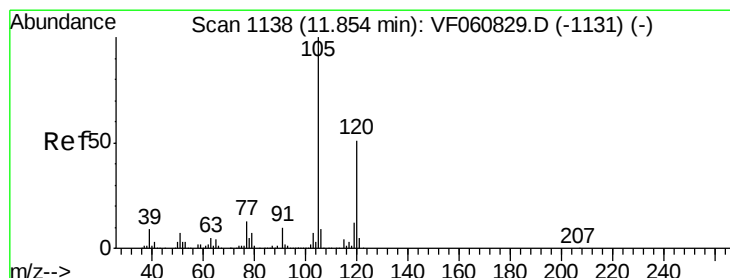
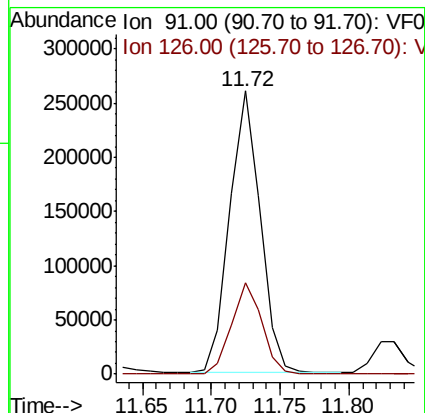
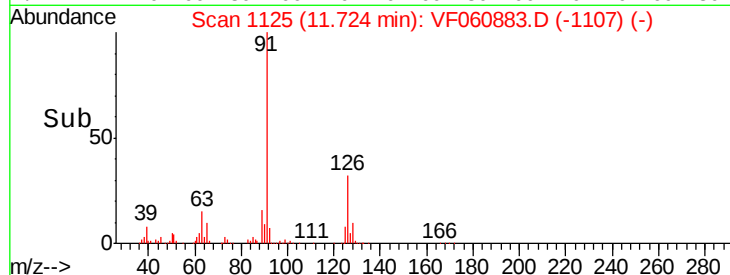
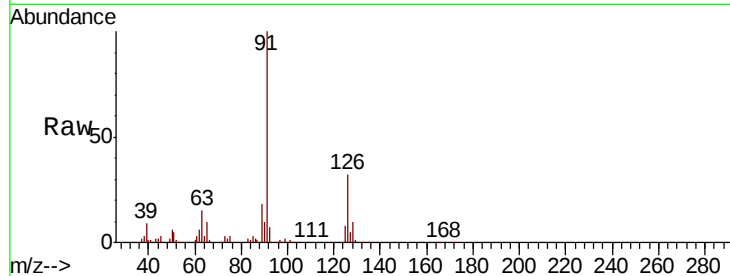
126 32.1 15.9 47.6

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#80

1,3,5-Trimethylbenzene

Concen: 49.013 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. -0.02 min

Lab File: VF060883.D

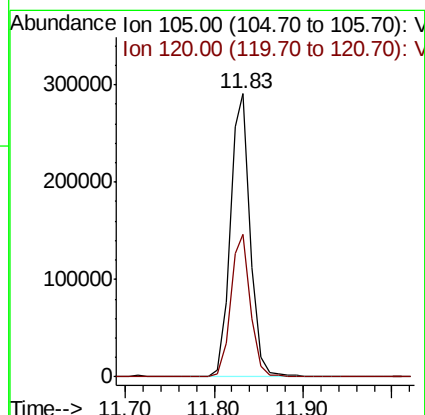
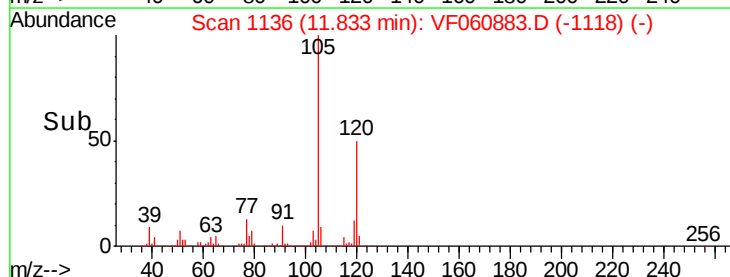
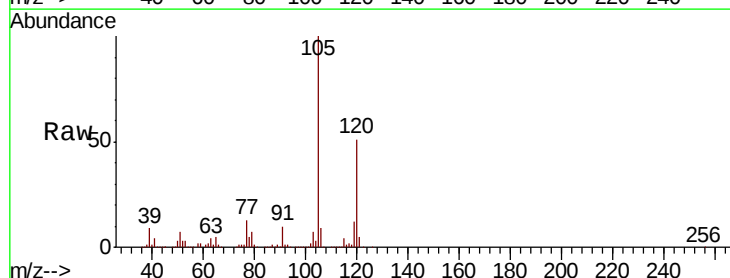
Acq: 29 Nov 2018 23:02

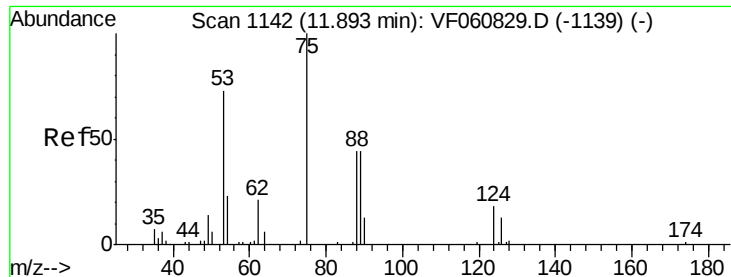
Tgt Ion: 105 Resp: 461551

Ion Ratio Lower Upper

105 100

120 50.6 25.8 77.3





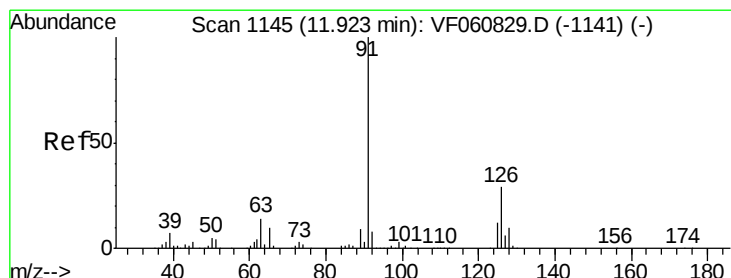
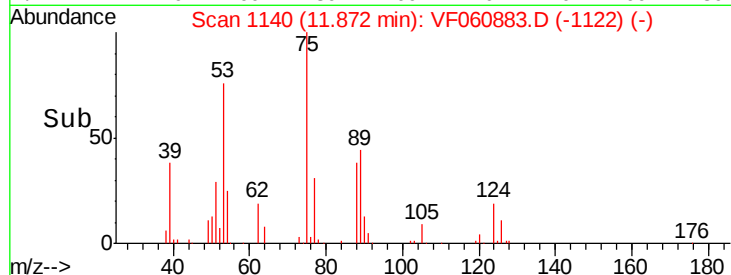
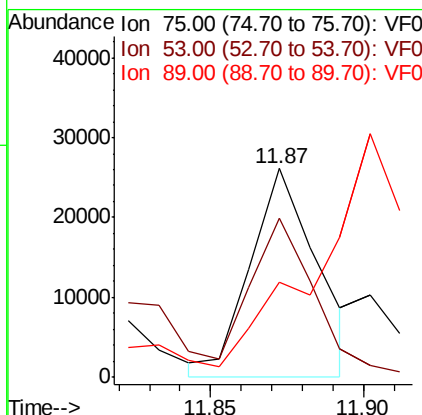
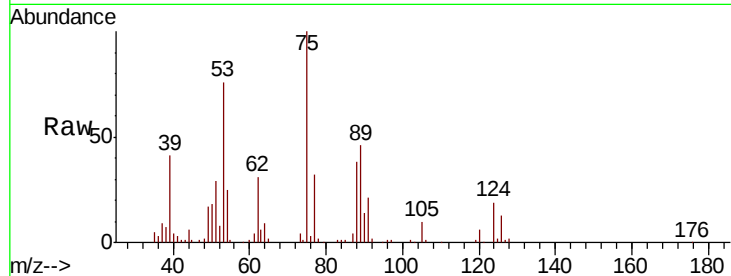
#81
trans-1,4-Dichloro-2-butene
Concen: 58.181 ug/l m
RT: 11.87 min Scan# 1140
Delta R.T. -0.02 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	76.1	65.9	98.9
89	45.8	38.8	58.2

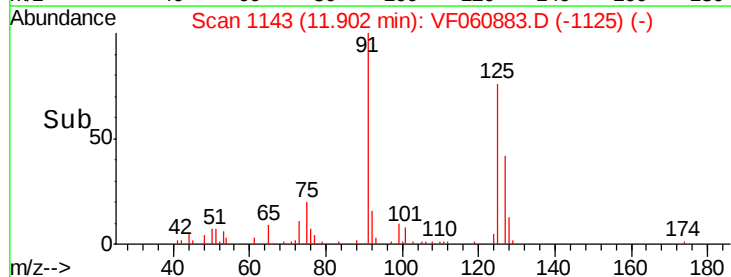
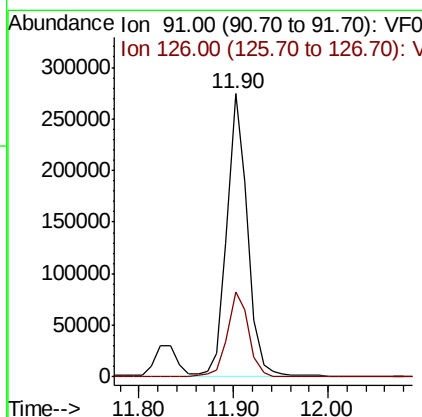
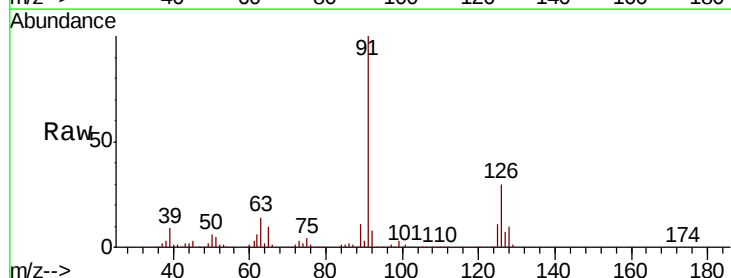
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#82
4-Chlorotoluene
Concen: 50.136 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. -0.02 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.9	14.8	44.4





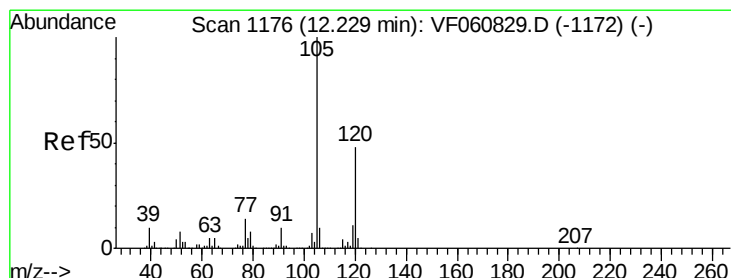
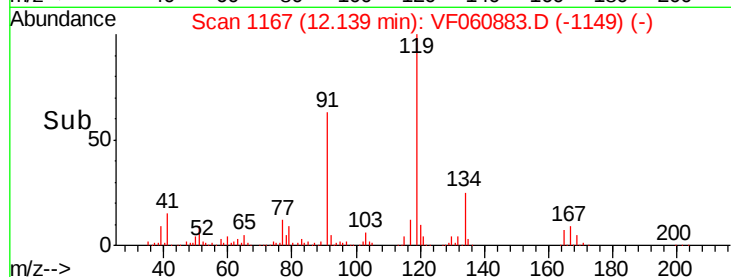
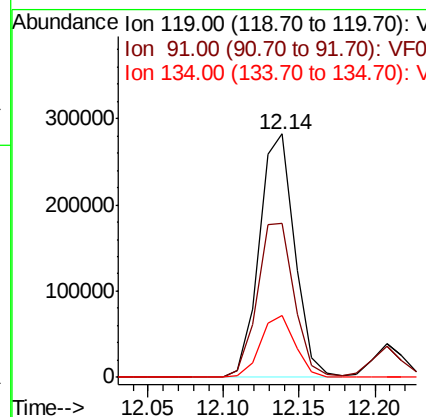
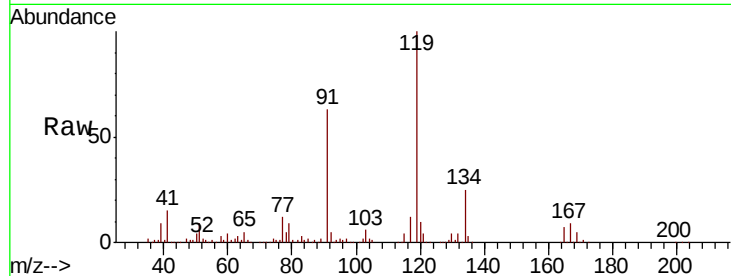
#83
tert-Butylbenzene
Concen: 48.359 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. -0.02 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	463882		
91	63.3	30.1	90.3	
134	25.5	12.6	37.8	

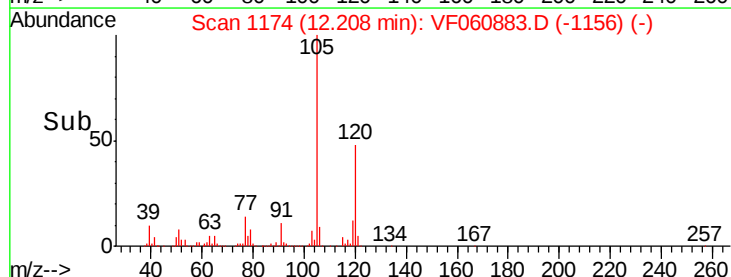
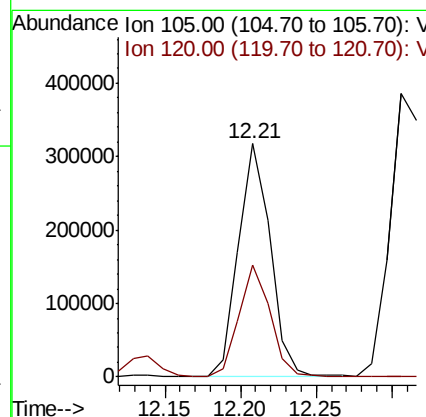
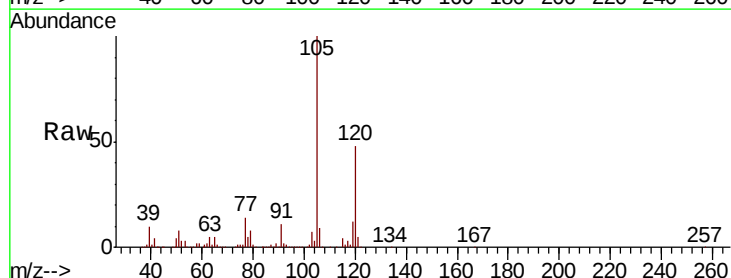
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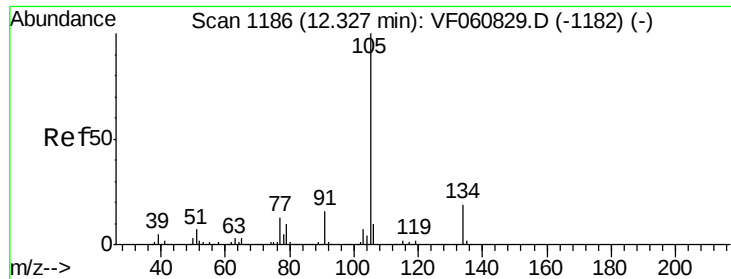
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#84
1,2,4-Trimethylbenzene
Concen: 49.716 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.02 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	467246		
120	47.7	23.8	71.5	





#85

sec-Butylbenzene

Concen: 47.345 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion:105 Resp: 621711

Ion Ratio Lower Upper

105 100

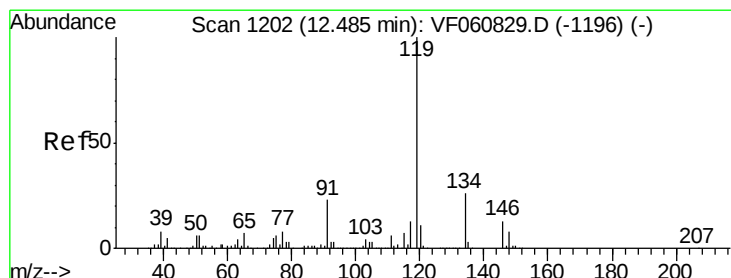
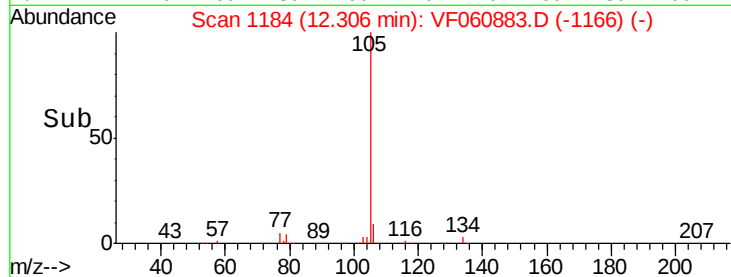
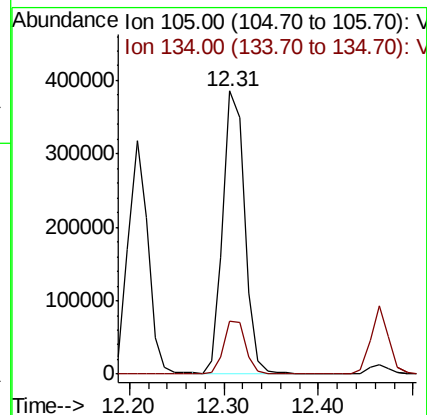
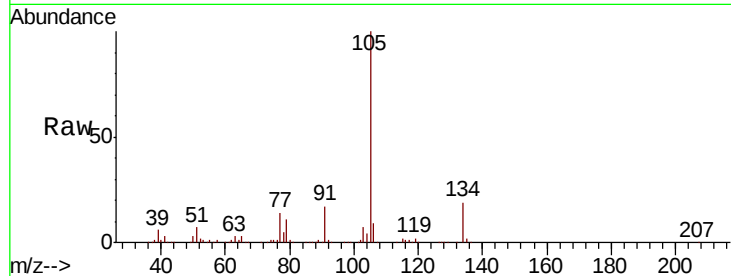
134 18.9 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 46.258 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

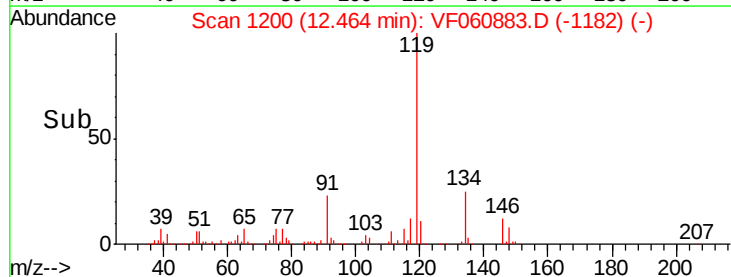
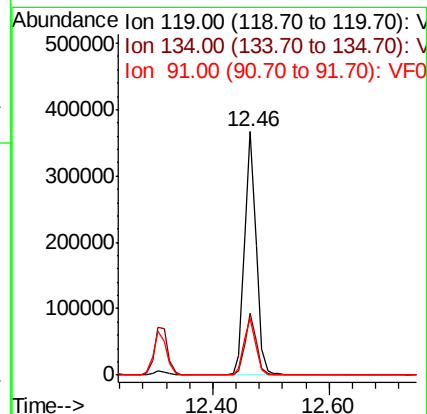
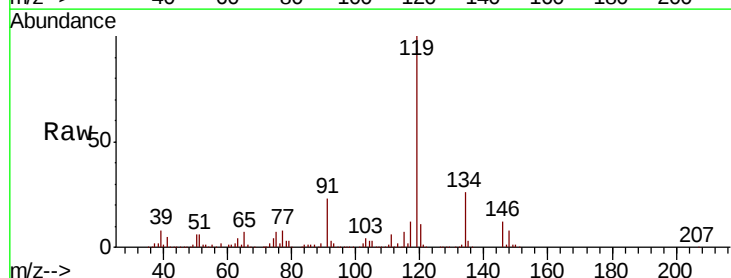
Tgt Ion:119 Resp: 509272

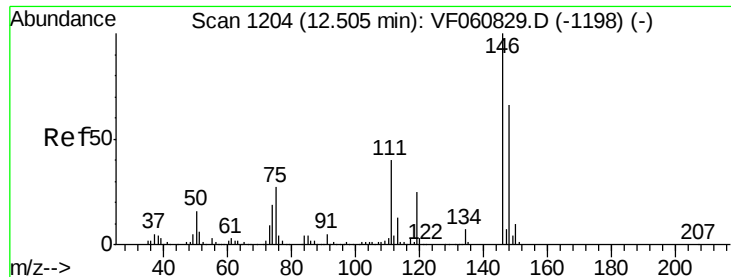
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

91 23.5 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 47.985 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. -0.03 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Instrument :

MSVOA_F

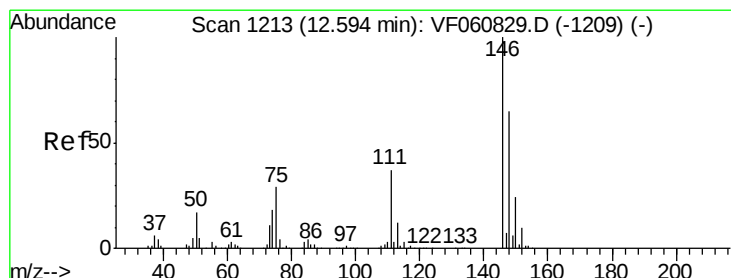
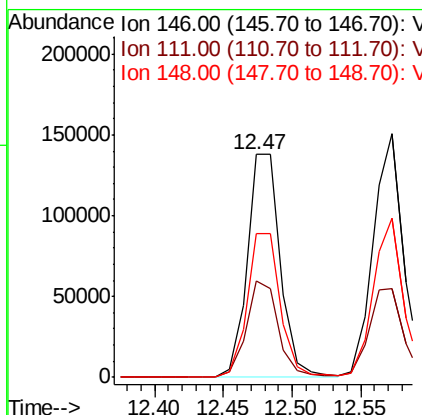
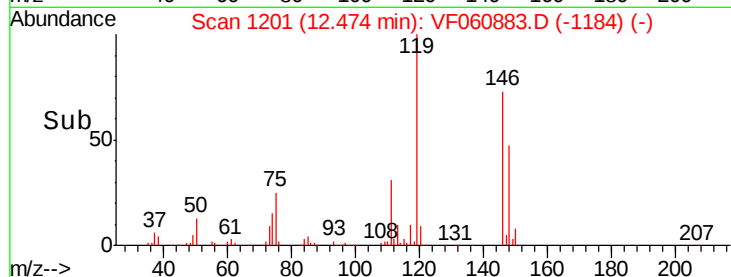
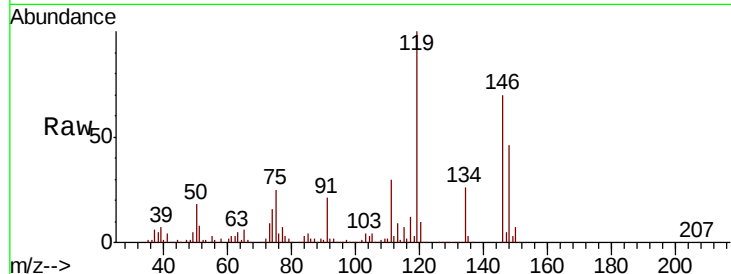
ClientSampleId :

S49-0483MS

Tot Ion:	146	Resp:	232126
Ion Ratio	Lower	Upper	
146	100		
111	43.0	20.0	59.9
148	64.7	32.9	98.6

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#88

1,4-Dichlorobenzene

Concen: 49.053 ug/l

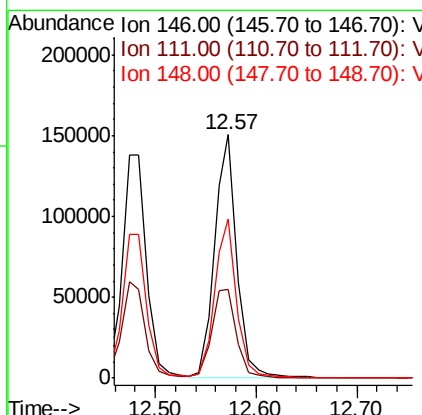
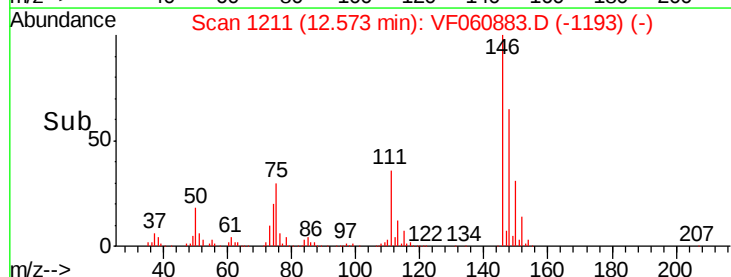
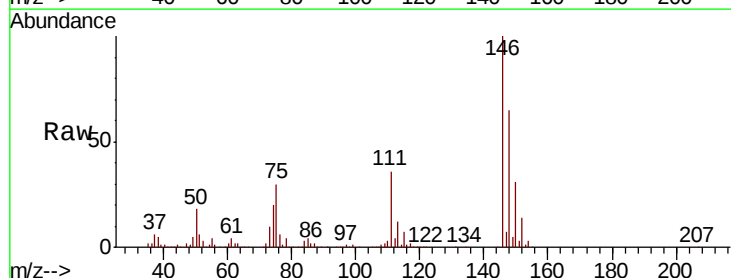
RT: 12.57 min Scan# 1211

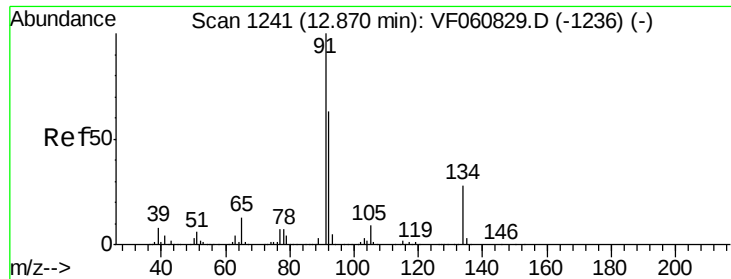
Delta R.T. -0.02 min

Lab File: VF060883.D

Acq: 29 Nov 2018 23:02

Tgt Ion:	146	Resp:	231248
Ion Ratio	Lower	Upper	
146	100		
111	36.4	18.9	56.7
148	65.2	32.3	96.9





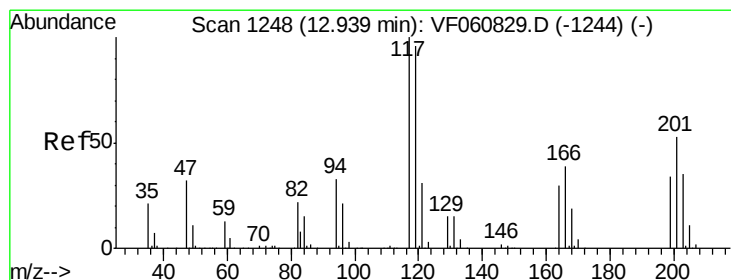
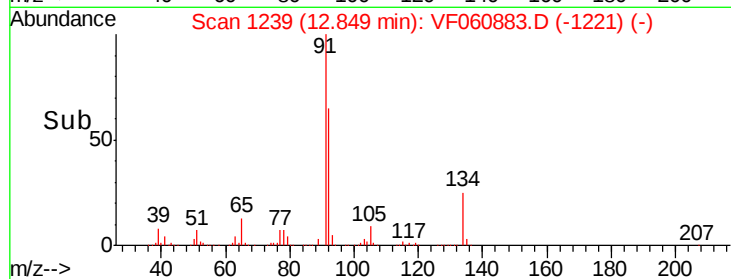
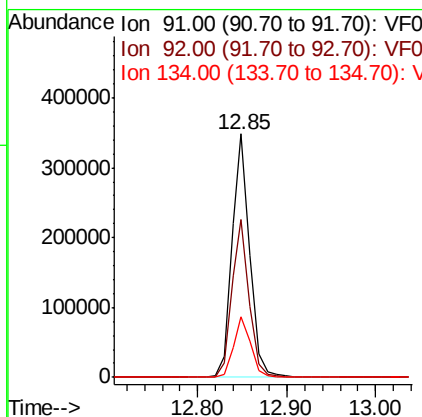
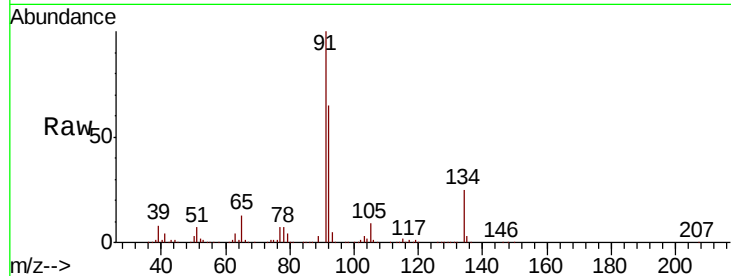
#89
n-Butylbenzene
Concen: 43.686 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.02 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	64.9	31.6	94.7	
134	24.9	13.8	41.4	

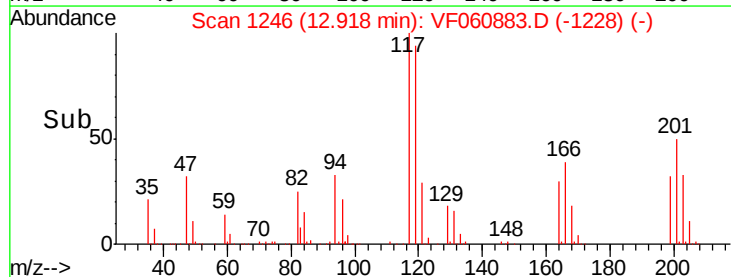
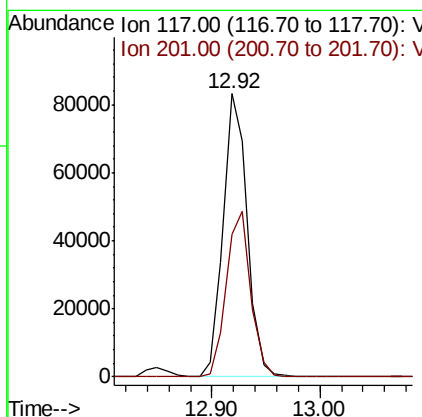
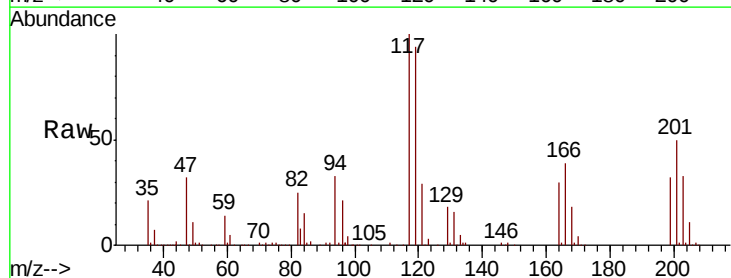
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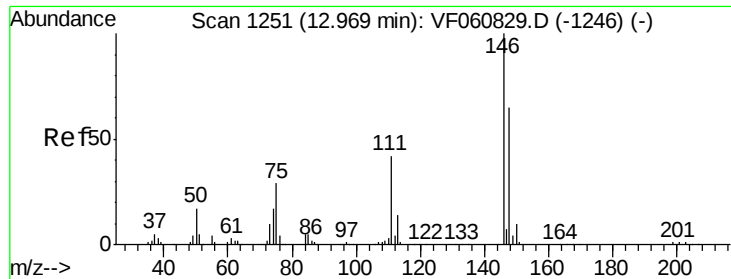
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#90
Hexachloroethane
Concen: 48.406 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.02 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	51.7	26.7	80.1	





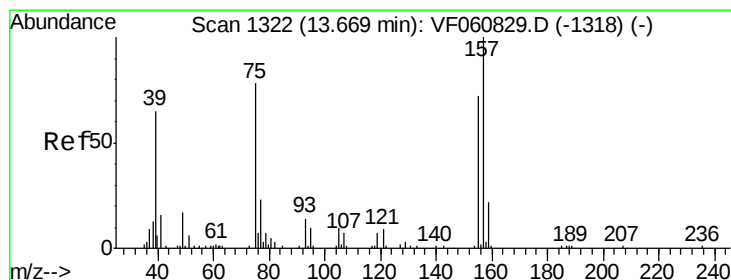
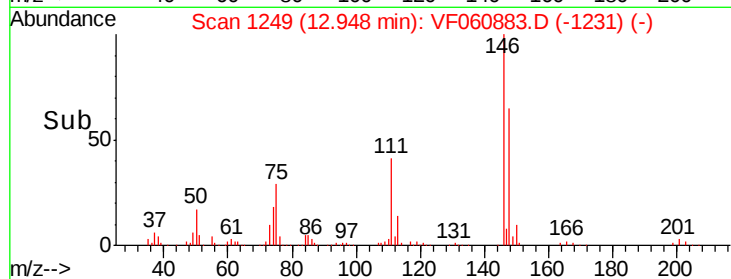
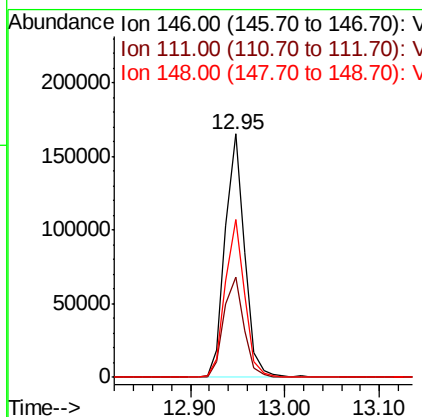
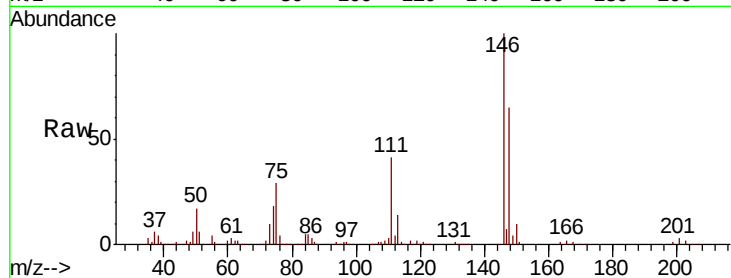
#91
 1,2-Dichlorobenzene
 Concen: 51.494 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.02 min
 Lab File: VF060883.D
 Acq: 29 Nov 2018 23:02

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.2	63.6
148	65.0	32.5	97.5

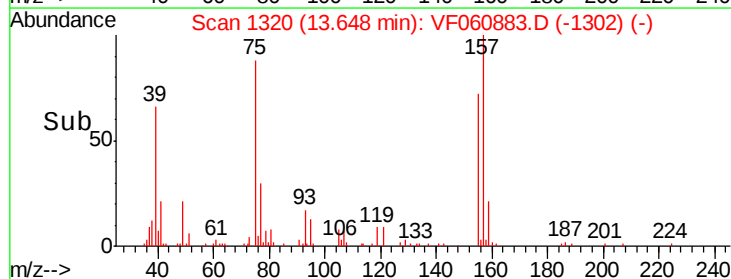
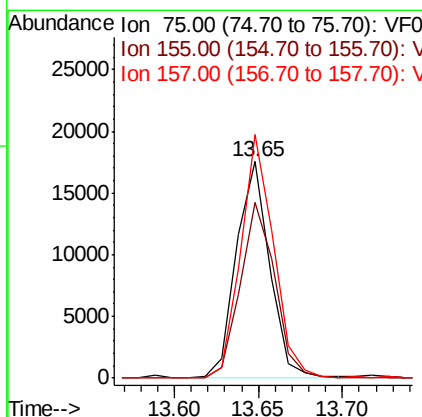
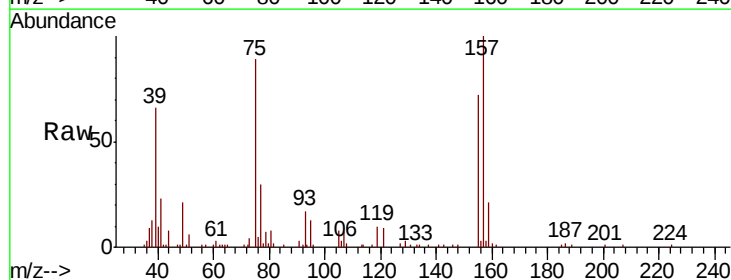
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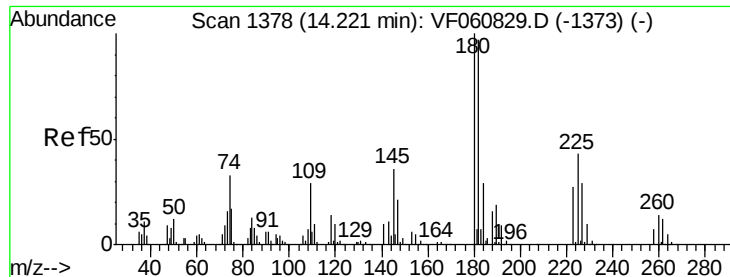
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 65.717 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. -0.02 min
 Lab File: VF060883.D
 Acq: 29 Nov 2018 23:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.0	45.6	136.9
157	112.5	63.8	191.5





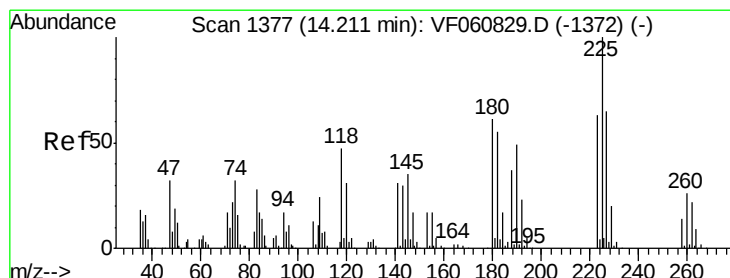
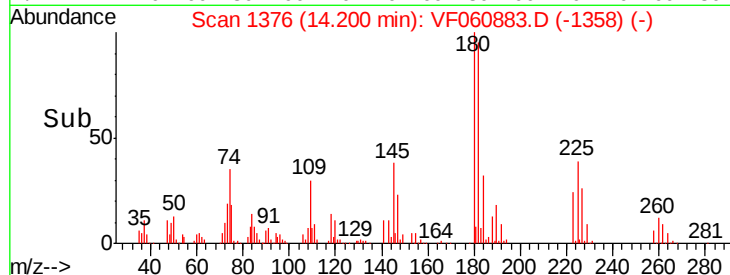
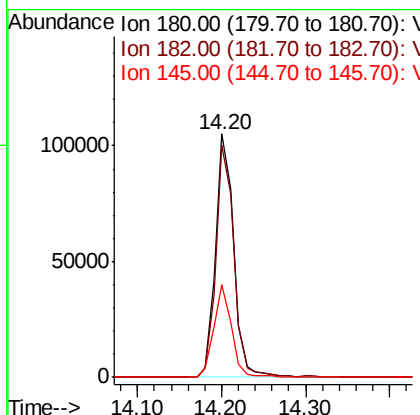
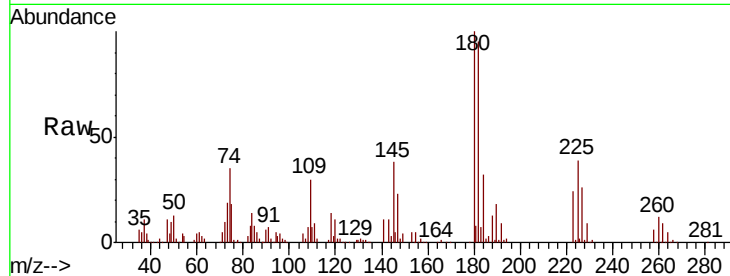
#93
 1,2,4-Trichlorobenzene
 Concen: 49.608 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VF060883.D
 Acq: 29 Nov 2018 23:02

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	158790		
182	95.5	48.5	145.5	
145	37.8	18.1	54.3	

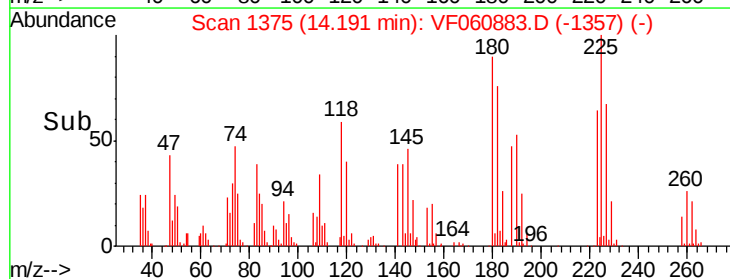
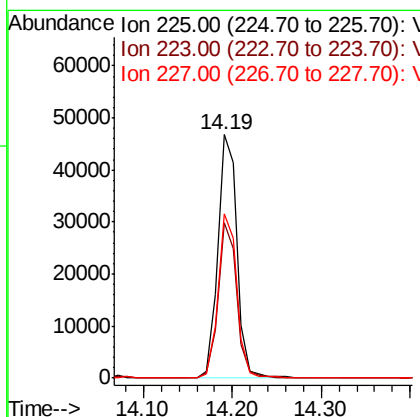
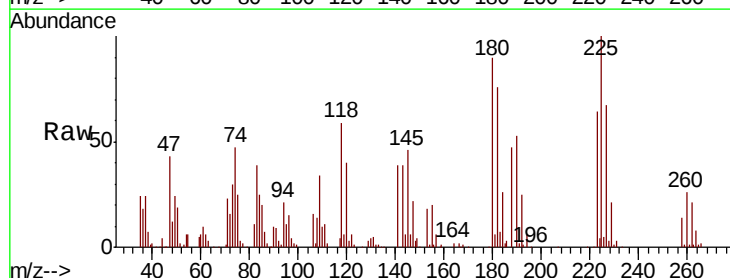
Manual Integrations
 APPROVED

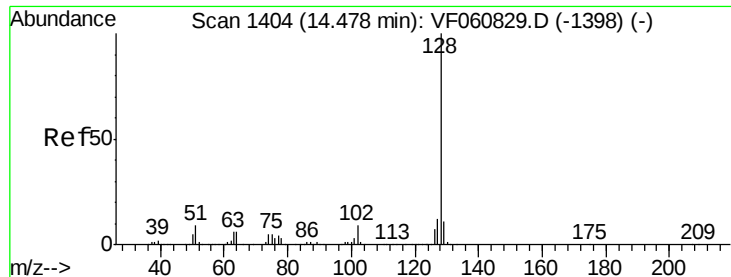
apatel
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#94
 Hexachlorobutadiene
 Concen: 33.074 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF060883.D
 Acq: 29 Nov 2018 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70573		
223	64.0	31.4	94.3	
227	67.4	32.5	97.5	





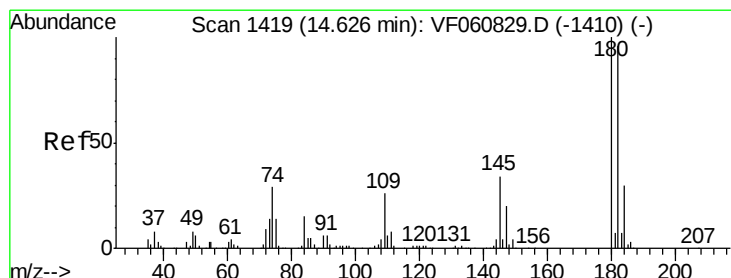
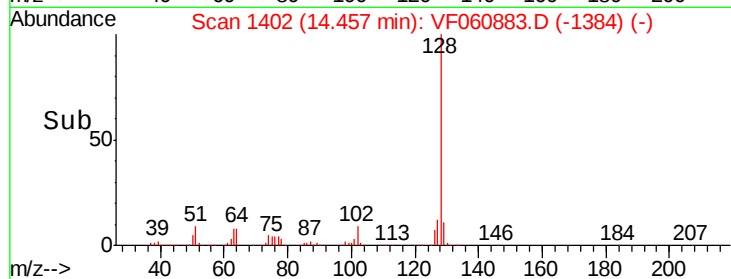
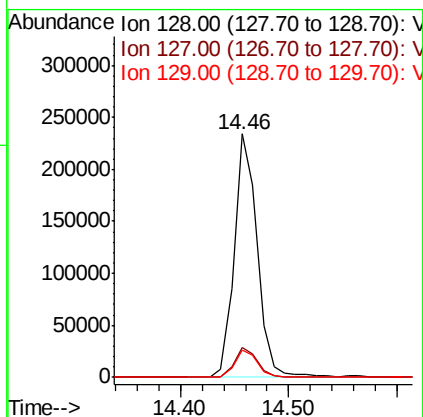
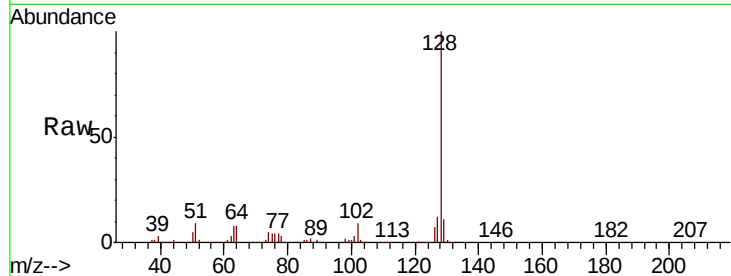
#95
Naphthalene
Concen: 56.430 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.02 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.9	14.9
129	11.4	9.1	13.7

Manual Integrations
APPROVED

apatel
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#96
1,2,3-Trichlorobenzene
Concen: 51.063 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.02 min
Lab File: VF060883.D
Acq: 29 Nov 2018 23:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.8
145	36.8	17.2	51.5

