

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112918\
 Data File : VF060884.D
 Acq On : 29 Nov 2018 23:30
 Operator : VA/AP
 Sample : J6139-03MSD
 Misc : 7.28g/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MSD

Manual Integrations
 APPROVED

apatel
 12/3/2018 2:16:24 PM

Quant Time: Nov 30 06:51:49 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	171194	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	293997	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.79	117	282740	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.56	152	149826	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	125304	62.13	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	124.26%	
35) Dibromofluoromethane	4.11	113	121684	52.17	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	104.34%	
50) Toluene-d8	7.56	98	361798	52.66	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	105.32%	
62) 4-Bromofluorobenzene	11.41	95	164165	52.57	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	131492	51.370	ug/l	98
3) Chloromethane	1.11	50	86214	51.760	ug/l	95
4) Vinyl Chloride	1.15	62	174656	112.415	ug/l	95
5) Bromomethane	1.33	94	57946	52.892	ug/l	96
6) Chloroethane	1.38	64	37241	55.451	ug/l	95
7) Trichlorofluoromethane	1.49	101	185196	55.555	ug/l	92
8) Diethyl Ether	1.63	74	28926	60.343	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.84	101	92163	54.687	ug/l	97
10) Methyl Iodide	1.91	142	118154	46.125	ug/l	95
11) Tert butyl alcohol	2.57	59	25206	304.897	ug/l	97
12) 1,1-Dichloroethene	1.80	96	75555	55.739	ug/l	91
13) Acrolein	2.00	56	14116	180.218	ug/l	88
14) Allyl chloride	2.09	41	93459	55.316	ug/l	96
15) Acrylonitrile	2.94	53	63650	343.422	ug/l	100
16) Acetone	2.24	43	154448	415.300	ug/l #	93
17) Carbon Disulfide	1.84	76	197456	54.328	ug/l	99
18) Methyl Acetate	2.35	43	50103	81.338	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	184728	60.506	ug/l	97
20) Methylene Chloride	2.18	84	81790m	59.949	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	162288	124.184	ug/l	96
22) Diisopropyl ether	2.80	45	277961	60.441	ug/l	95
23) Vinyl Acetate	3.19	43	570005	271.146	ug/l	98
24) 1,1-Dichloroethane	2.87	63	157629	57.609	ug/l	99
25) 2-Butanone	4.34	43	210821	327.744	ug/l	99
26) 2,2-Dichloropropane	3.60	77	87440	49.293	ug/l	96
27) cis-1,2-Dichloroethene	3.48	96	738192	346.970	ug/l	96
28) Bromochloromethane	3.72	49	76806	58.490	ug/l	89
29) Tetrahydrofuran	4.08	42	88456	324.414	ug/l	98
30) Chloroform	3.87	83	243746	57.881	ug/l	98
31) Cyclohexane	3.69	56	155673	54.821	ug/l	99
32) 1,1,1-Trichloroethane	4.10	97	147302	50.437	ug/l	97
36) 1,1-Dichloropropene	4.28	75	172138	52.788	ug/l	96
37) Ethyl Acetate	4.11	43	80363	60.644	ug/l	94
38) Carbon Tetrachloride	4.00	117	140375	48.738	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	167557	49.031	ug/l	97
40) Benzene	4.64	78	376869	52.314	ug/l	99
41) Methacrylonitrile	4.76	41	47046	70.132	ug/l #	87
42) 1,2-Dichloroethane	4.95	62	143130	54.421	ug/l	95
43) Isopropyl Acetate	6.97	43	102965	63.722	ug/l #	95
44) Trichloroethene	5.51	130	716848	304.332	ug/l	98
45) 1,2-Dichloropropane	6.24	63	103791	55.474	ug/l	99
46) Dibromomethane	6.10	93	75918	59.815	ug/l	97
47) Bromodichloromethane	6.39	83	180618	53.580	ug/l	100
48) Methyl methacrylate	6.72	41	70396	58.688	ug/l	99
49) 1,4-Dioxane	6.71	88	9660	1100.389	ug/l #	90
51) 4-Methyl-2-Pentanone	8.26	43	375540	307.316	ug/l	98
52) Toluene	7.64	92	258101	51.006	ug/l	98
53) t-1,3-Dichloropropene	8.29	75	147243	53.699	ug/l	96
54) cis-1,3-Dichloropropene	7.31	75	178398	52.554	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	79851	54.155	ug/l	96
56) Ethyl methacrylate	8.62	69	99514	60.755	ug/l	97
57) 1,3-Dichloropropane	8.86	76	148924	57.730	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.30	63	43870	261.848	ug/l	93
59) 2-Hexanone	9.50	43	280247	326.892	ug/l	98
60) Dibromochloromethane	8.72	129	123720	56.315	ug/l	99
61) 1,2-Dibromoethane	9.00	107	92020	57.770	ug/l	98
64) Tetrachloroethene	8.16	164	143294	66.353	ug/l	100
65) Chlorobenzene	9.81	112	287712	52.308	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	124203	52.526	ug/l	91
67) Ethyl Benzene	9.91	91	515579	50.349	ug/l	100
68) m/p-Xylenes	10.14	106	355202	96.445	ug/l	97
69) o-Xylene	10.71	106	206188	50.770	ug/l	91
70) Styrene	10.79	104	284864	50.600	ug/l	97
71) Bromoform	10.78	173	65196	57.081	ug/l	95
73) Isopropylbenzene	11.13	105	610063	51.525	ug/l	96
74) N-amyl acetate	11.37	43	159815	58.454	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	118948	61.042	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	88094	62.197	ug/l	94
77) Bromobenzene	11.50	156	131596	50.696	ug/l	89
78) n-propylbenzene	11.60	91	676476	48.788	ug/l	95
79) 2-Chlorotoluene	11.72	91	415781	52.297	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	470847	48.986	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.88	75	35927m	51.770	ug/l	
82) 4-Chlorotoluene	11.91	91	414300	49.517	ug/l	96
83) tert-Butylbenzene	12.13	119	469827	47.986	ug/l	95
84) 1,2,4-Trimethylbenzene	12.21	105	457923	47.735	ug/l	97
85) sec-Butylbenzene	12.31	105	658691	49.144	ug/l	99
86) p-Isopropyltoluene	12.46	119	536213	47.717	ug/l	96
87) 1,3-Dichlorobenzene	12.48	146	238957	48.395	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	248034	51.547	ug/l	98
89) n-Butylbenzene	12.84	91	525342	46.234	ug/l	98
90) Hexachloroethane	12.92	117	138669	51.246	ug/l	84
91) 1,2-Dichlorobenzene	12.94	146	235089	50.277	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	22527	59.794	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	160684	49.182	ug/l	98
94) Hexachlorobutadiene	14.20	225	92309	42.384	ug/l	97
95) Naphthalene	14.46	128	367400	58.535	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	160124	52.784	ug/l	97

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

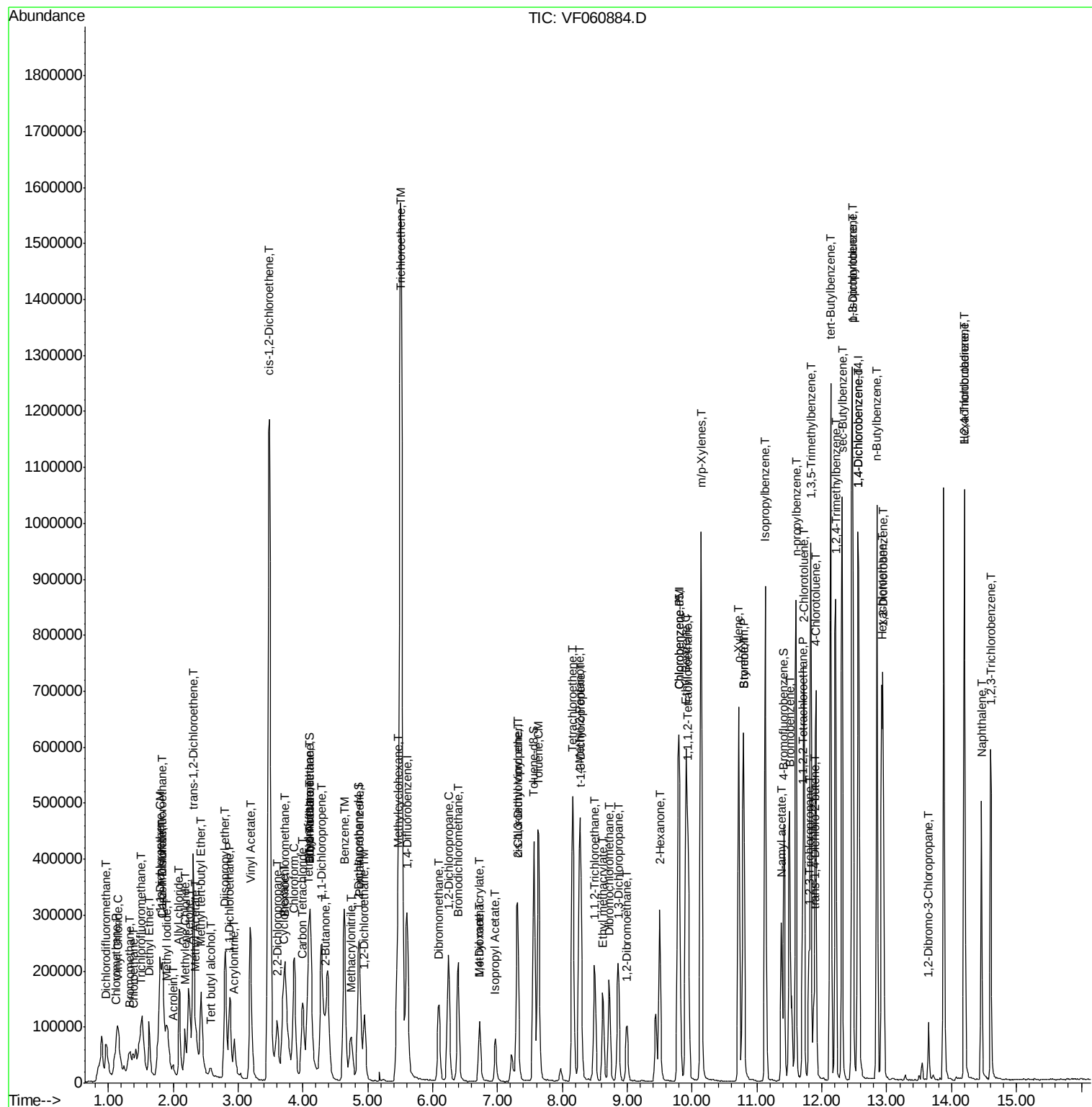
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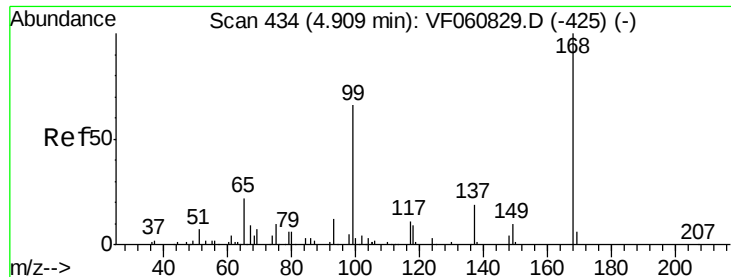
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MSD

Tot Ion:168 Resp: 171194

Ion Ratio Lower Upper

168 100

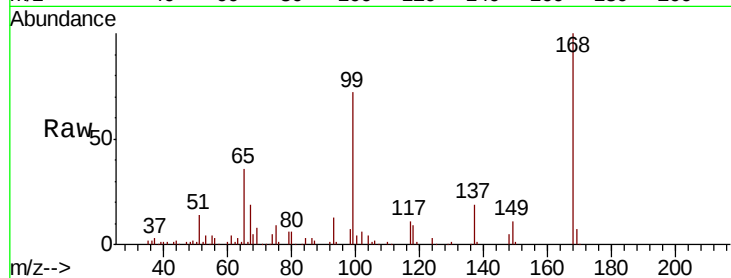
99 71.9 52.6 79.0

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

50000

40000

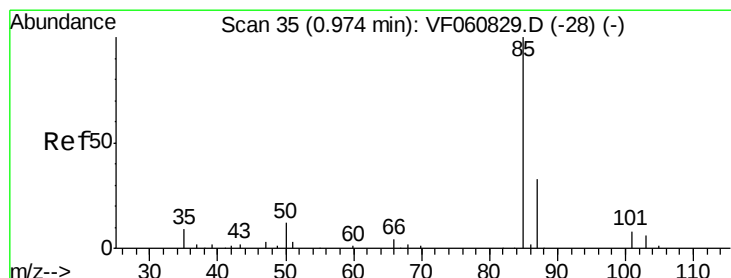
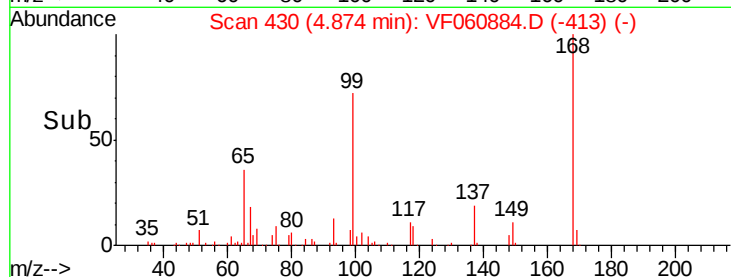
30000

20000

10000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 51.370 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060884.D

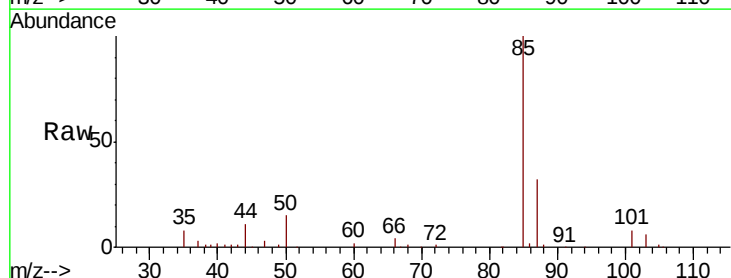
Acq: 29 Nov 2018 23:30

Tgt Ion: 85 Resp: 131492

Ion Ratio Lower Upper

85 100

87 32.2 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

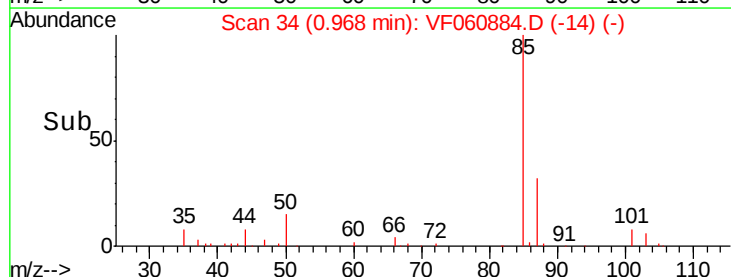
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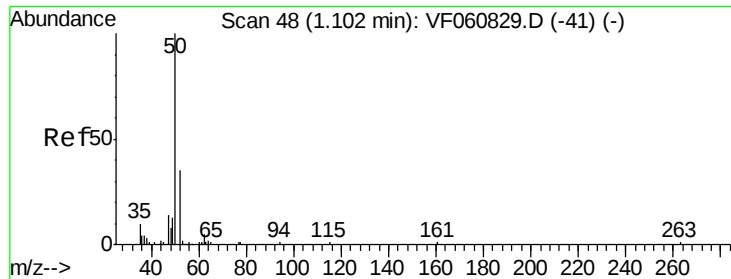
20000

10000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 51.760 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MSD

Tot Ion: 50 Resp: 86214

Ion Ratio Lower Upper

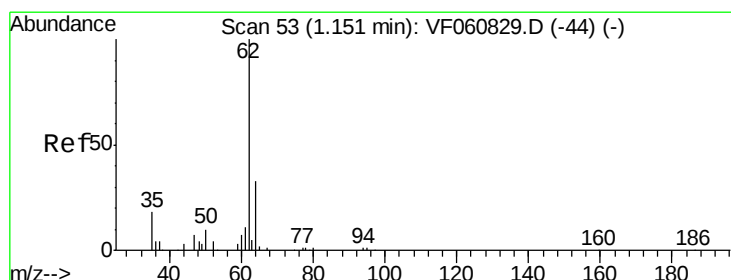
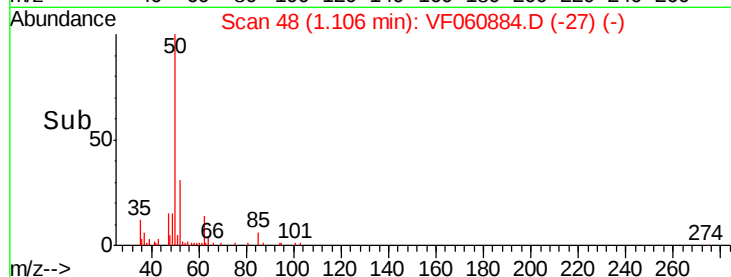
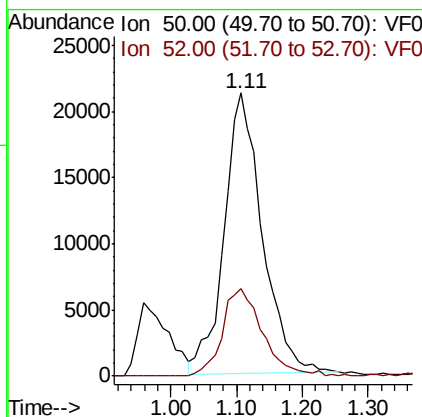
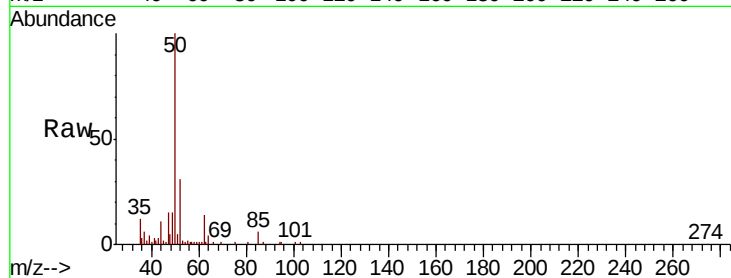
50 100

52 31.1 27.0 40.4

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#4

Vinyl Chloride

Concen: 112.415 ug/l

RT: 1.15 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060884.D

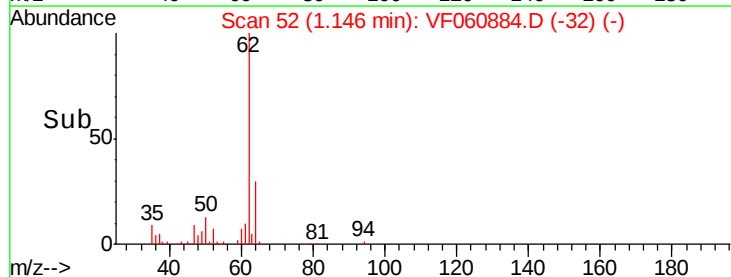
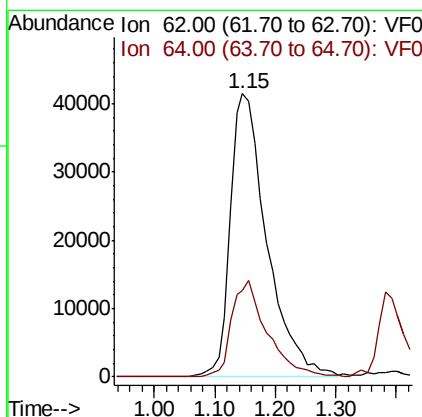
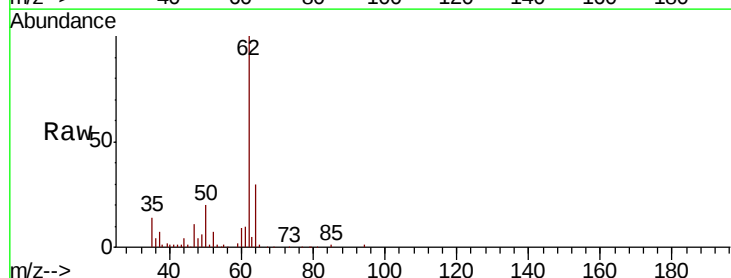
Acq: 29 Nov 2018 23:30

Tgt Ion: 62 Resp: 174656

Ion Ratio Lower Upper

62 100

64 30.3 26.4 39.6





#5

Bromomethane

Concen: 52.892 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Instrument :

MSVOA_F

ClientSampled :

S49-0483MSD

Tot Ion: 94 Resp: 57946

Ion Ratio Lower Upper

94 100

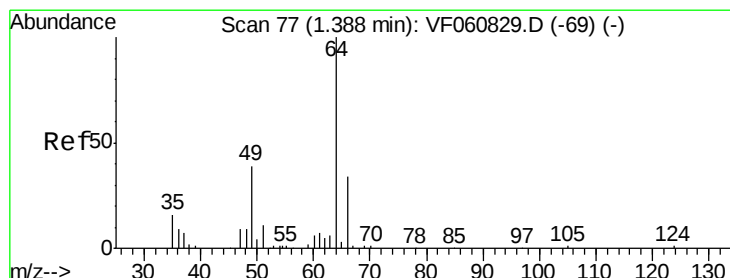
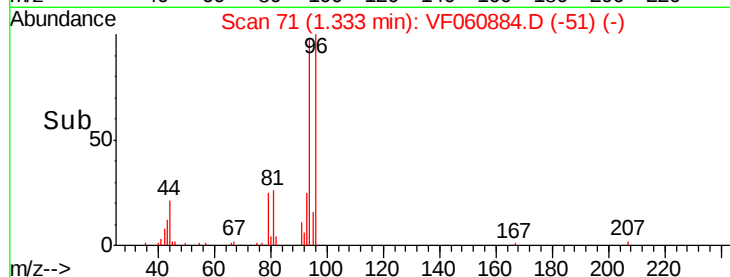
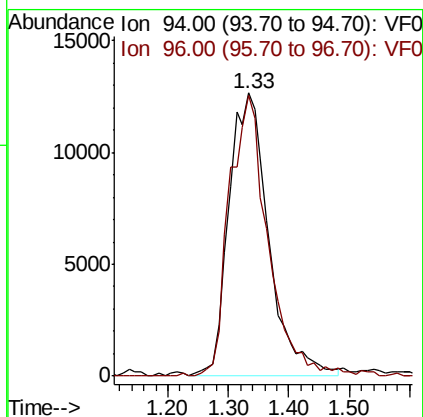
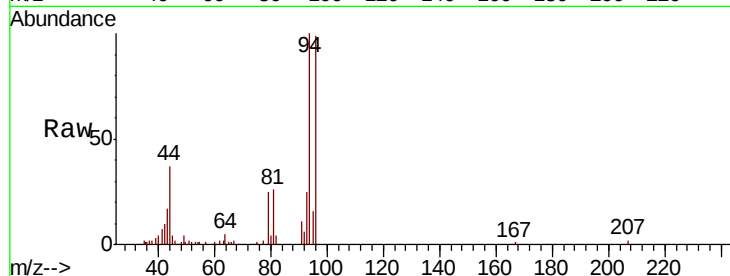
96 99.3 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 55.451 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF060884.D

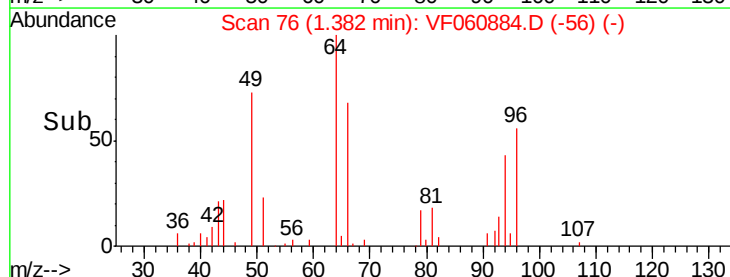
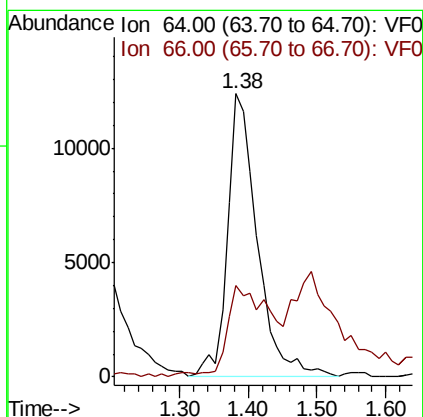
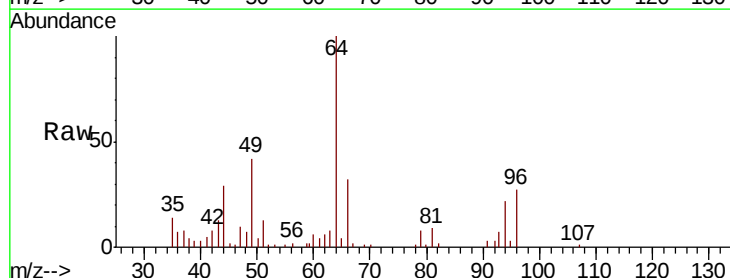
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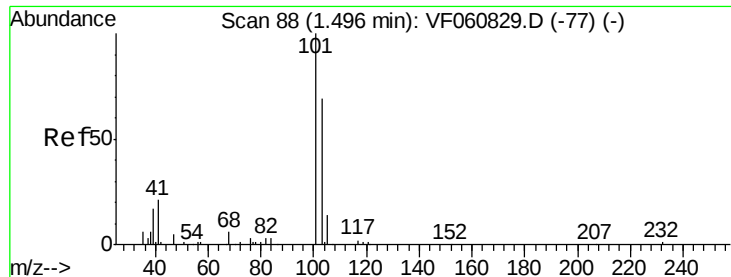
Tgt Ion: 64 Resp: 37241

Ion Ratio Lower Upper

64 100

66 32.4 28.1 42.1





#7

Trichlorofluoromethane

Concen: 55.555 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.01 min

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ClientSampleId :

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Tot Ion:101 Resp: 185196

Ion Ratio Lower Upper

101 100

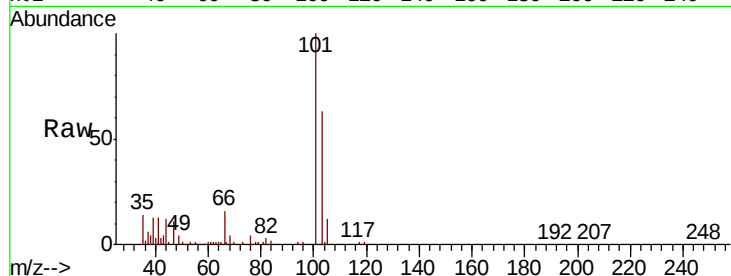
103 62.8 55.4 83.0

Manual Integrations

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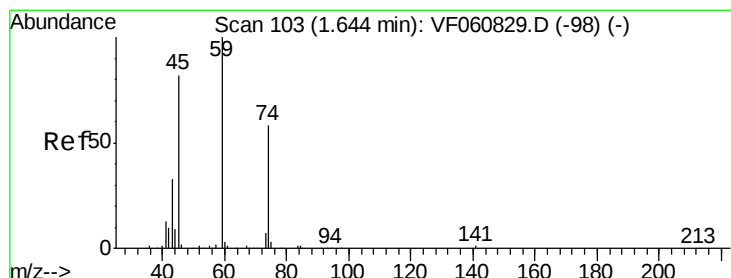
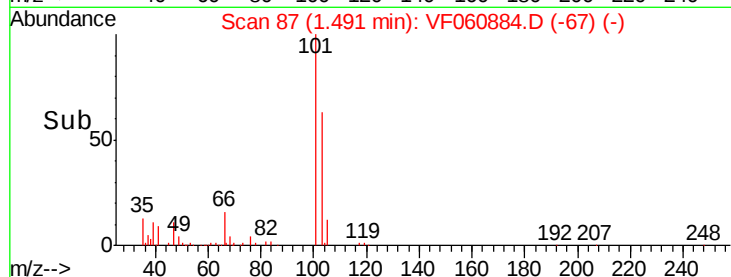
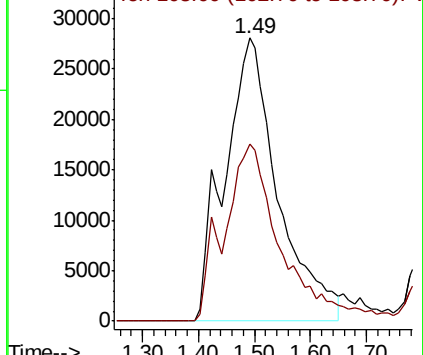
apatel

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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: 60.343 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.02 min

Lab File: VF060884.D

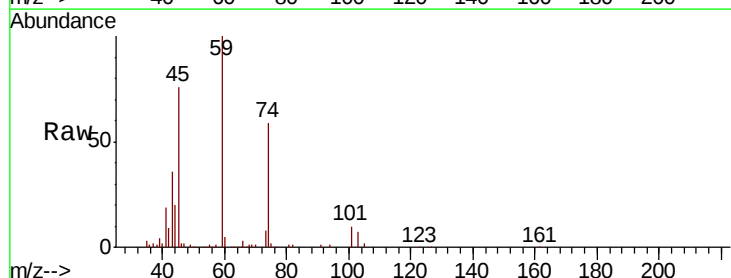
Acq: 29 Nov 2018 23:30

Tgt Ion: 74 Resp: 28926

Ion Ratio Lower Upper

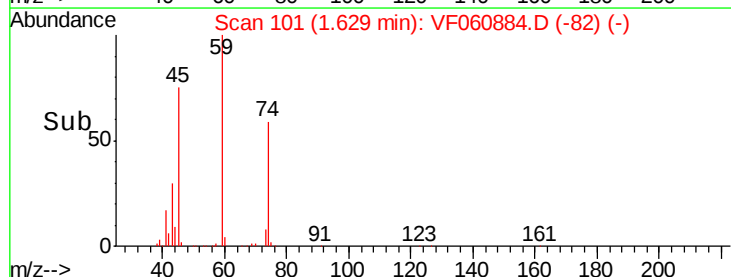
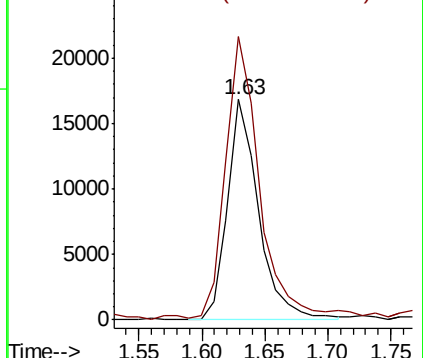
74 100

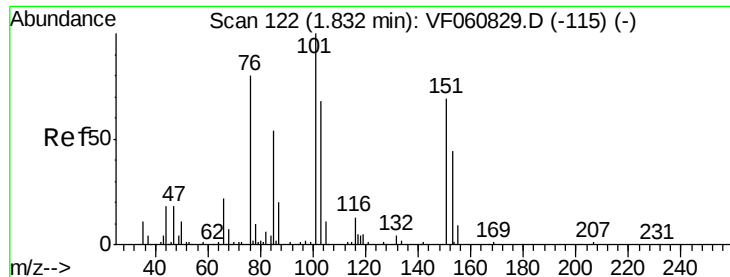
45 128.3 71.0 212.8



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: 54.687 ug/l

RT: 1.84 min Scan# 122

Delta R.T. 0.00 min

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MSVOA_F

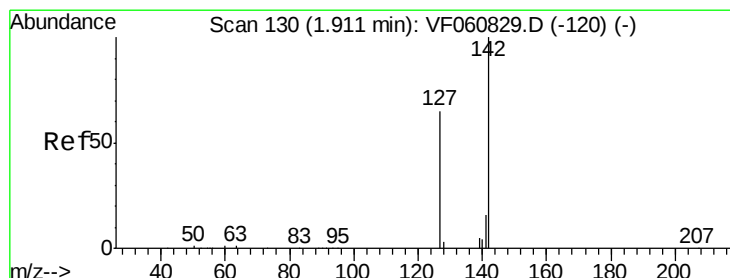
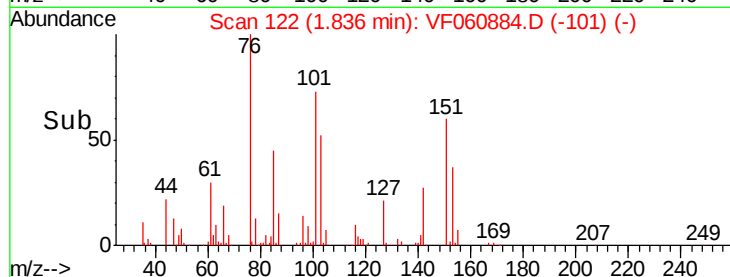
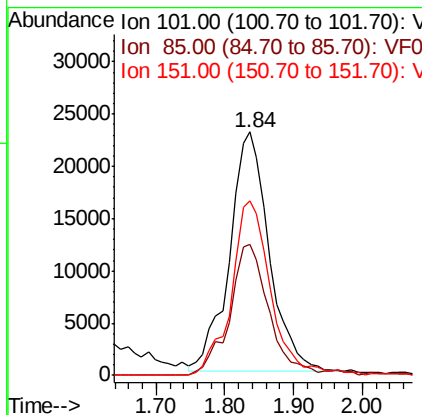
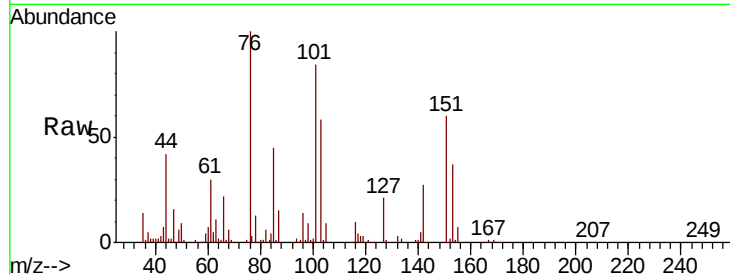
ClientSampleId :

S49-0483MSD

Tot Ion:	101	Resp:	92163
Ion Ratio	Lower	Upper	
101	100		
85	54.0	42.8	64.2
151	71.7	54.4	81.6

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#10

Methyl Iodide

Concen: 46.125 ug/l

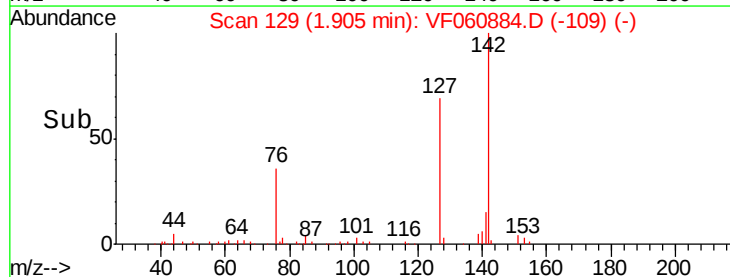
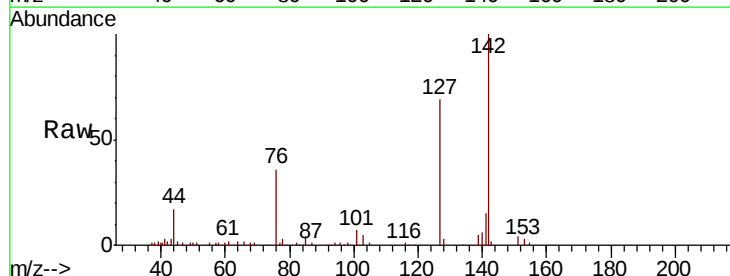
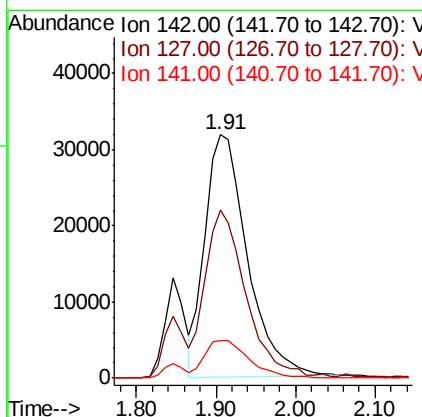
RT: 1.91 min Scan# 129

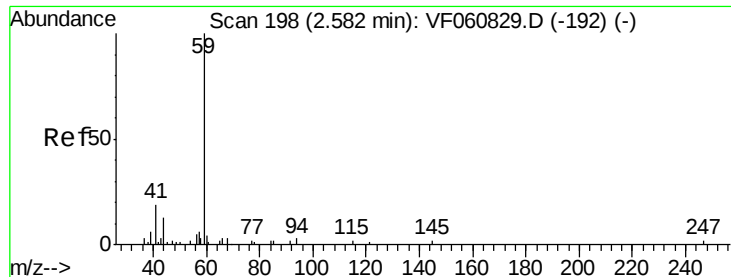
Delta R.T. -0.01 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Tgt Ion:	142	Resp:	118154
Ion Ratio	Lower	Upper	
142	100		
127	69.3	51.9	77.9
141	15.3	12.7	19.1





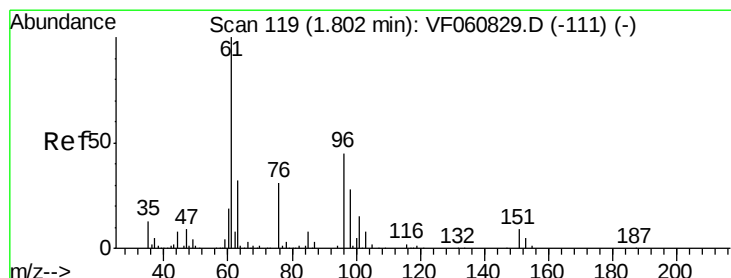
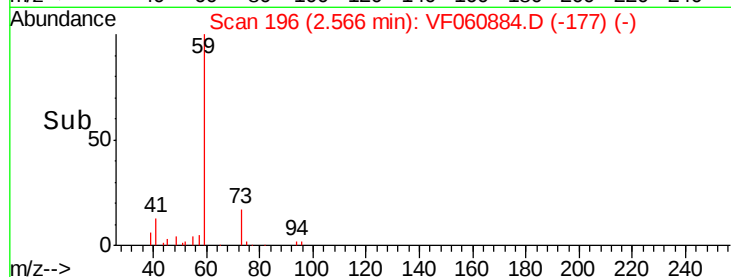
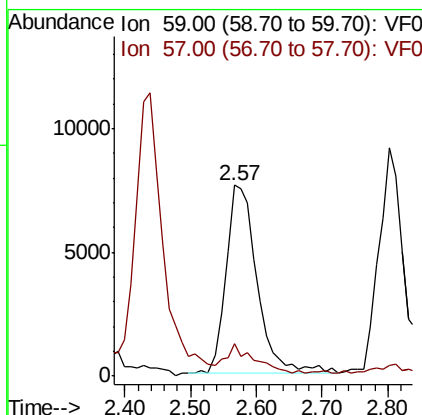
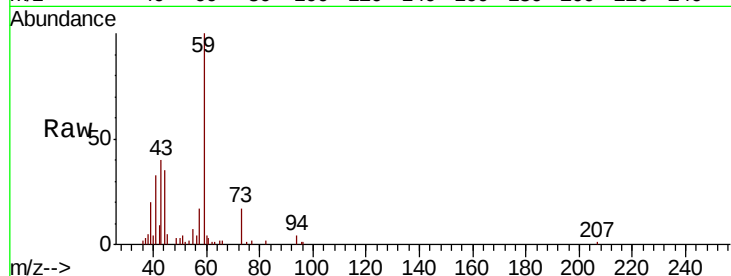
#11
Tert butyl alcohol
Concen: 304.897 ug/l
RT: 2.57 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion: 59 Resp: 25206
Ion Ratio Lower Upper
59 100
57 17.3 12.7 19.1

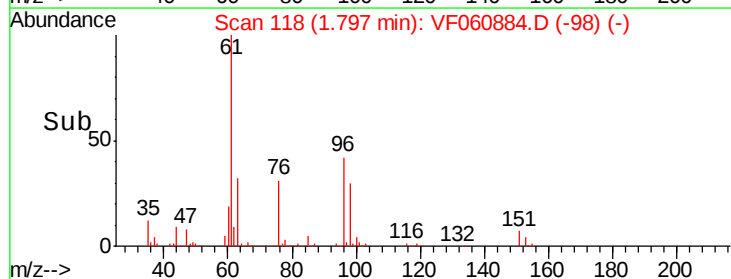
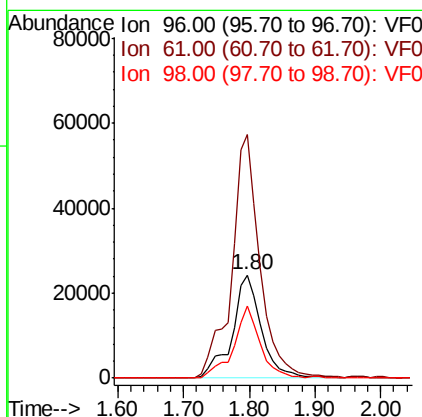
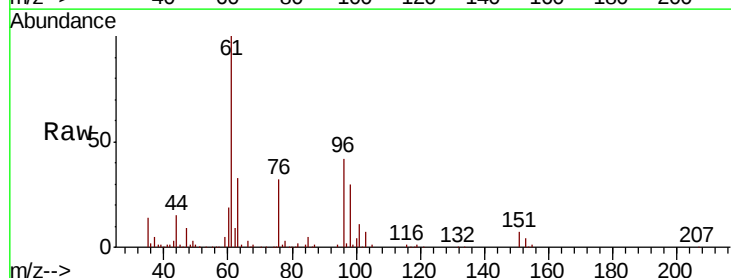
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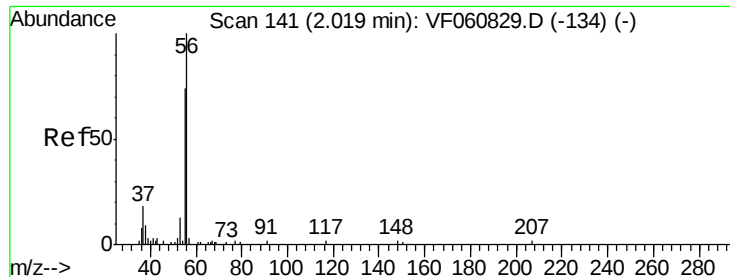
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#12
1,1-Dichloroethene
Concen: 55.739 ug/l
RT: 1.80 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tgt Ion: 96 Resp: 75555
Ion Ratio Lower Upper
96 100
61 235.4 177.3 265.9
98 69.7 49.6 74.4





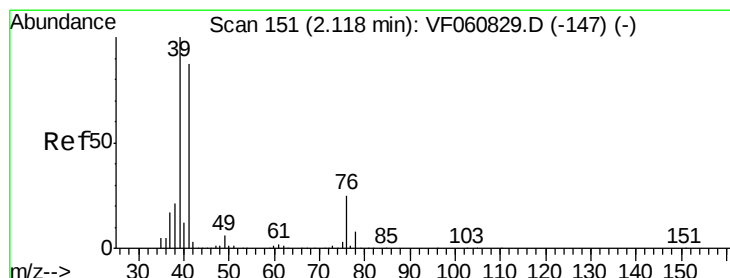
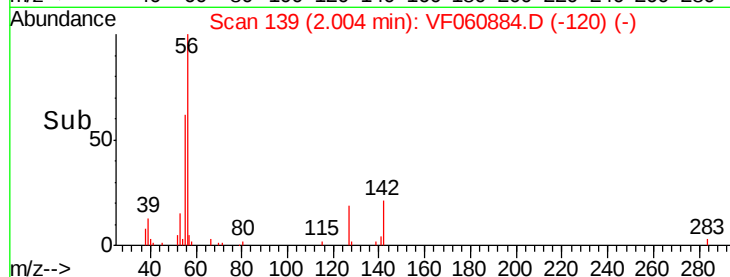
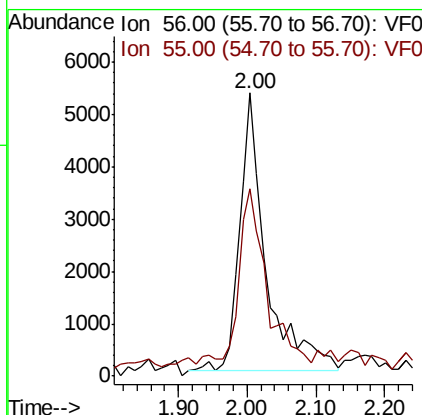
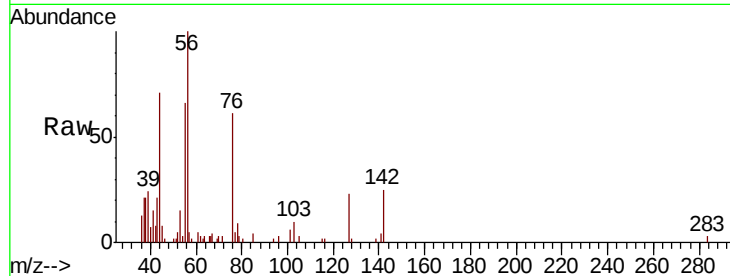
#13
Acrolein
Concen: 180.218 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.02 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	56	Resp	14116
Ion Ratio	100	Lower	Upper
55	66.1	61.2	91.8

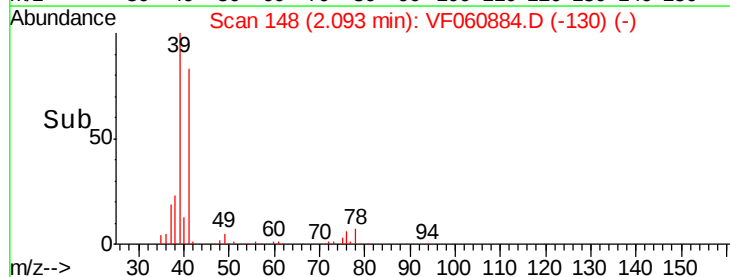
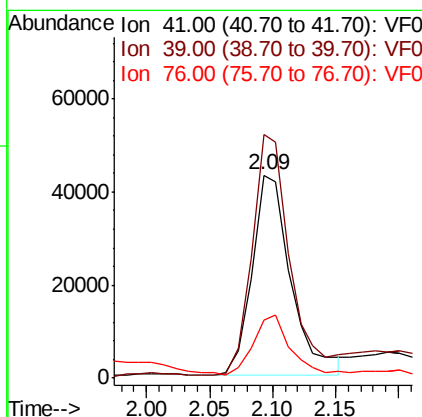
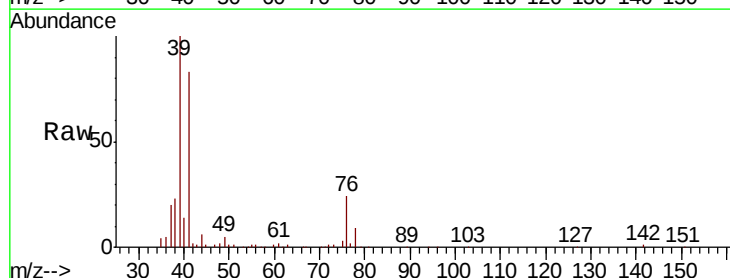
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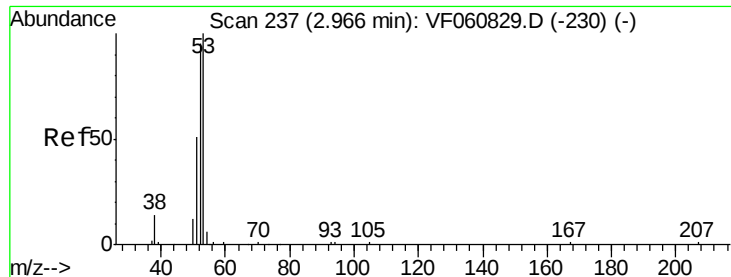
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#14
Allyl chloride
Concen: 55.316 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.03 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tgt Ion	41	Resp	93459
Ion Ratio	100	Lower	Upper
39	119.8	91.7	137.5
76	28.2	23.5	35.3





#15

Acrylonitrile

Concen: 343.422 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.03 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Instrument :

MSVOA_F

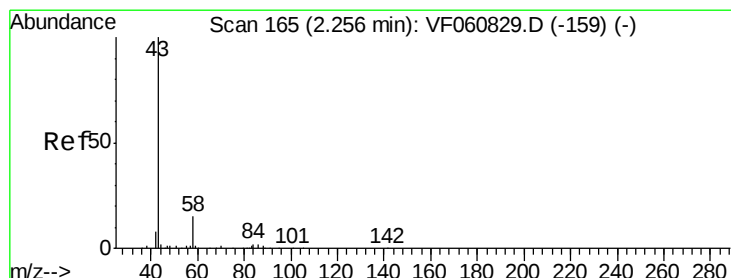
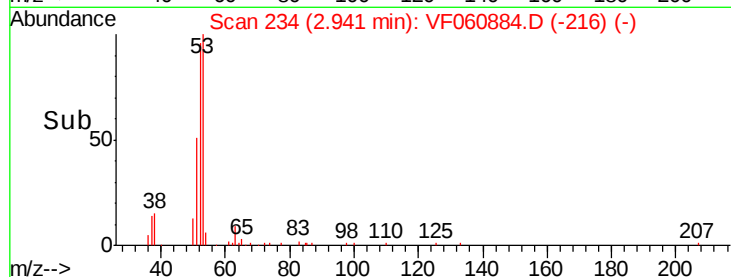
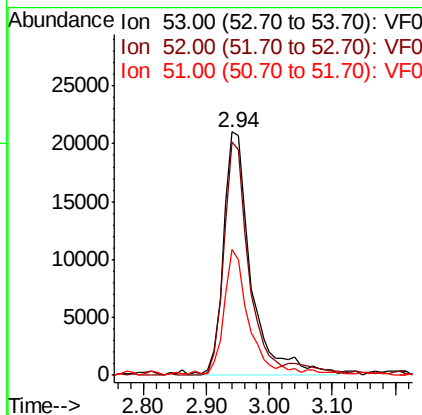
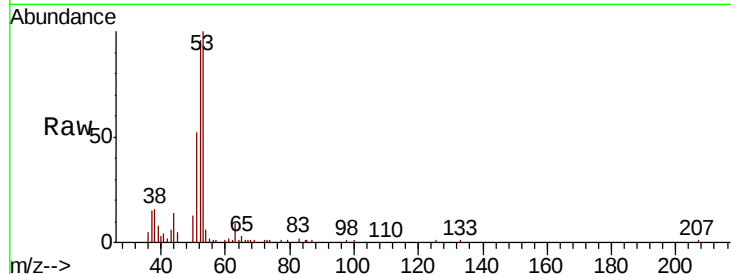
ClientSampleId :

S49-0483MSD

Tot Ion:	53	Resp:	63650
Ion	Ratio	Lower	Upper
53	100		
52	95.8	76.5	114.7
51	51.6	40.7	61.1

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#16

Acetone

Concen: 415.300 ug/l

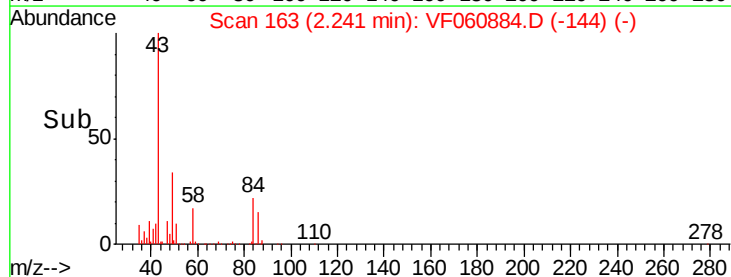
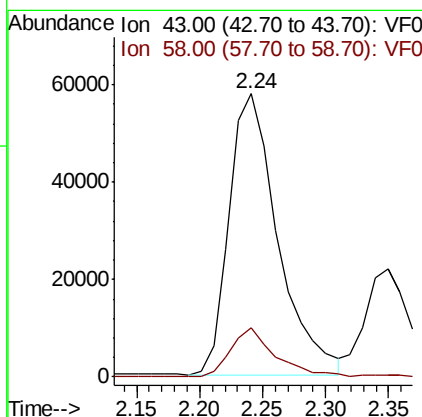
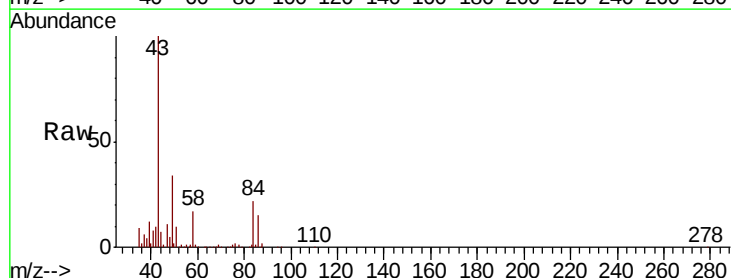
RT: 2.24 min Scan# 163

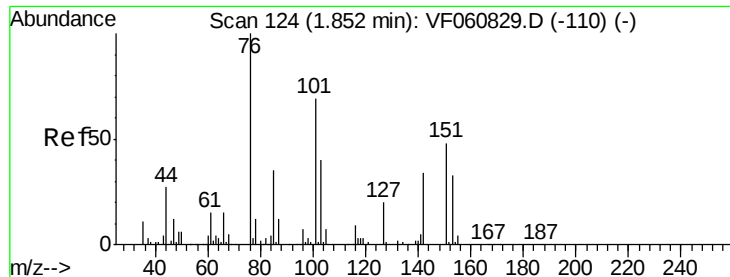
Delta R.T. -0.02 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Tgt Ion:	43	Resp:	154448
Ion	Ratio	Lower	Upper
43	100		
58	17.2	11.4	17.2#





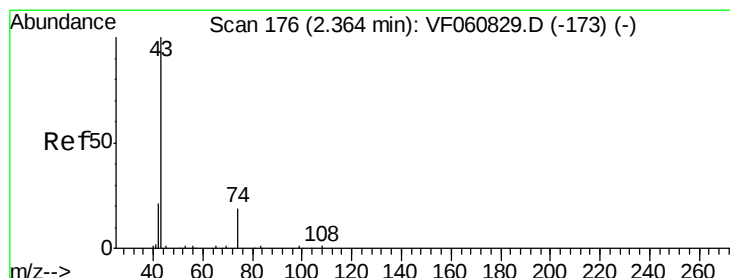
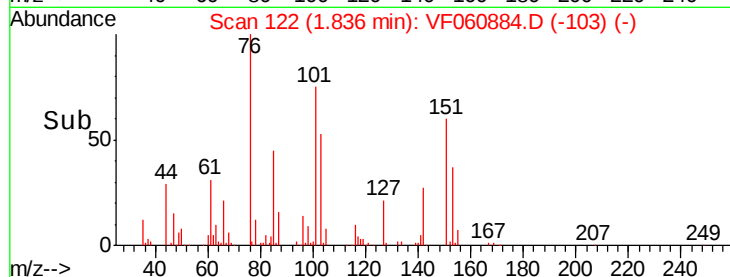
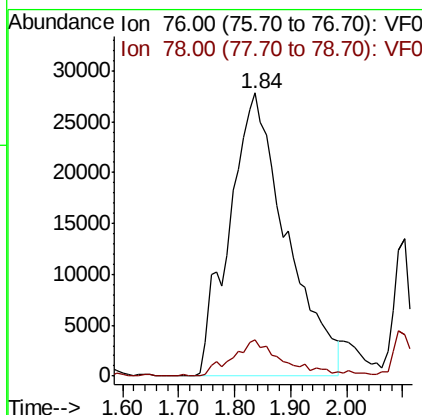
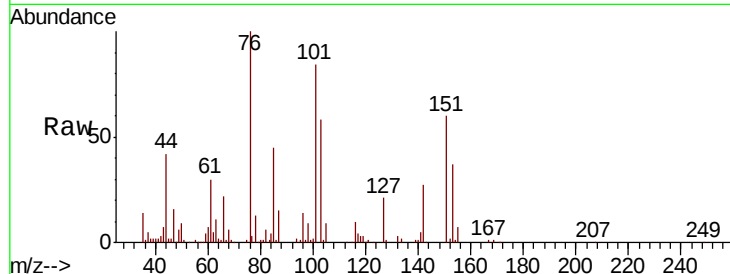
#17
Carbon Disulfide
Concen: 54.328 ug/l
RT: 1.84 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion: 76 Resp: 197456
Ion Ratio Lower Upper
76 100
78 12.9 10.2 15.2

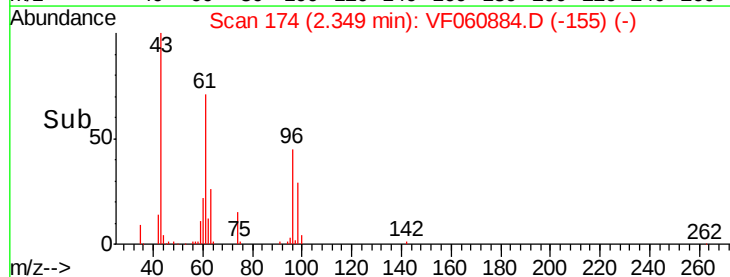
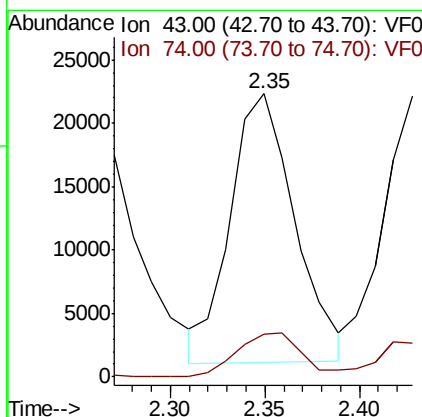
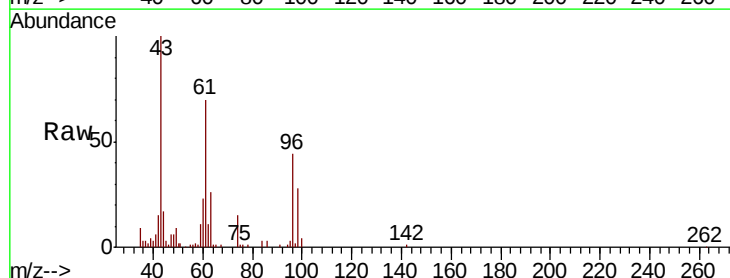
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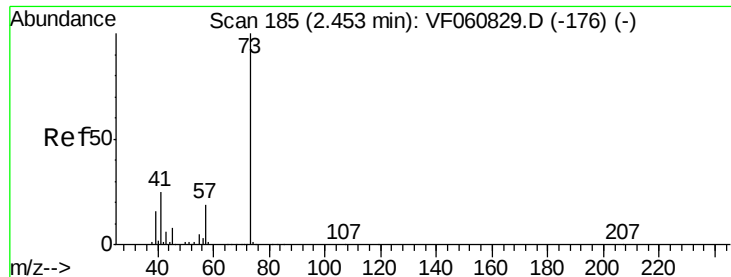
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#18
Methyl Acetate
Concen: 81.338 ug/l
RT: 2.35 min Scan# 174
Delta R.T. -0.01 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tgt Ion: 43 Resp: 50103
Ion Ratio Lower Upper
43 100
74 15.2 13.3 19.9





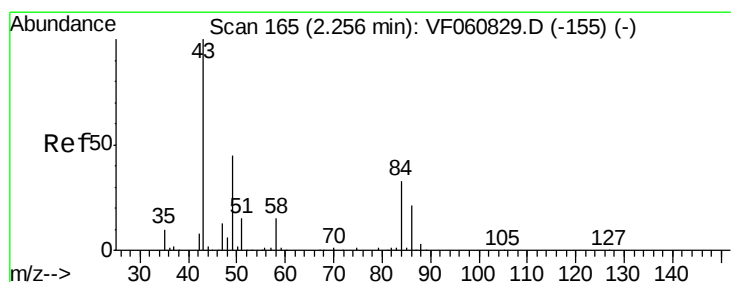
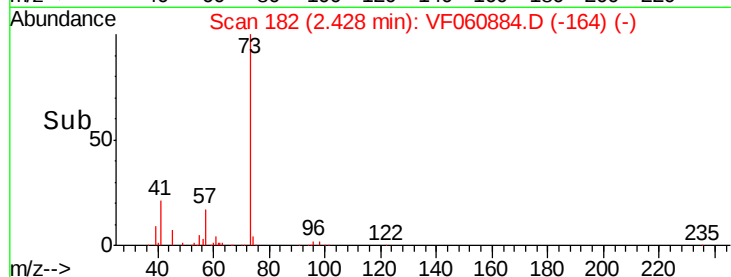
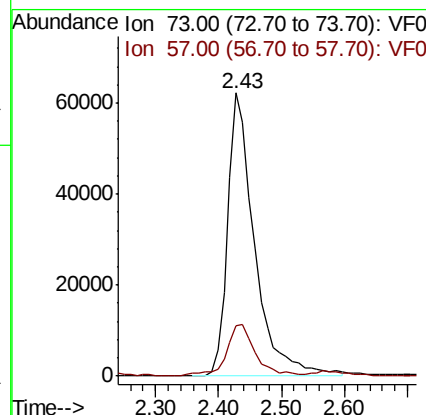
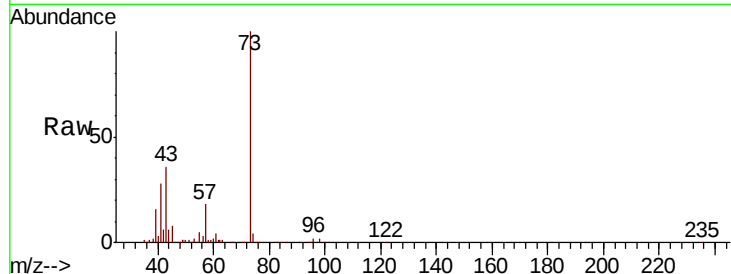
#19
Methvl tert-butvl Ether
Concen: 60.506 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.03 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.8	15.3	22.9

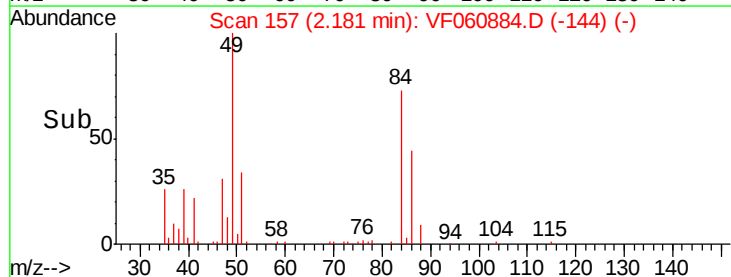
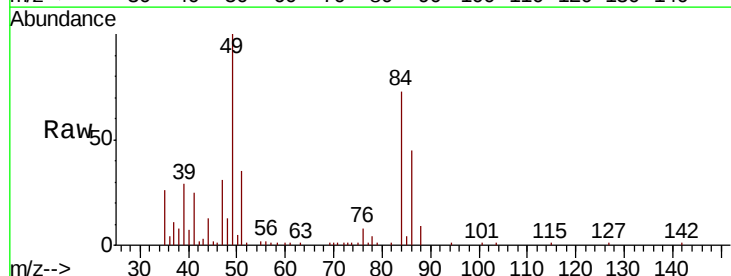
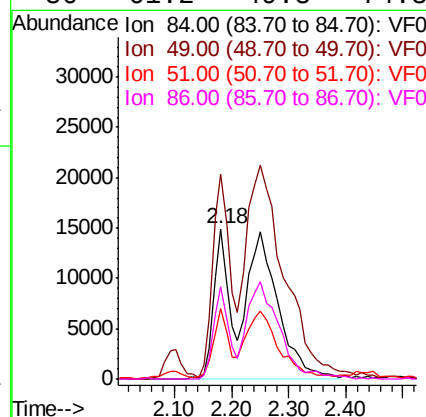
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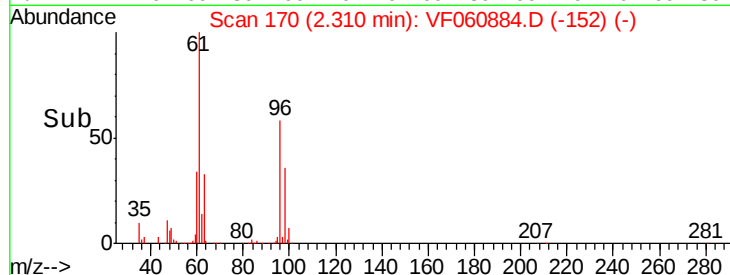
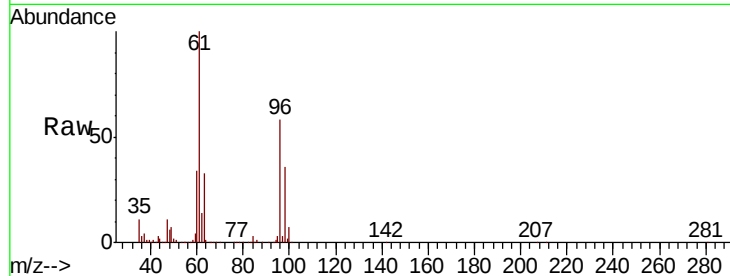
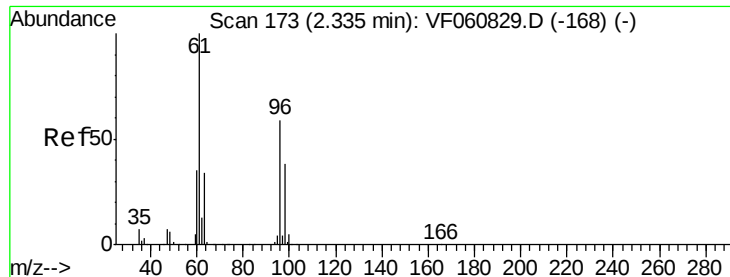
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#20
Methylene Chloride
Concen: 59.949 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.07 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.3	111.3	166.9
51	47.0	38.0	57.0
86	61.2	49.8	74.8





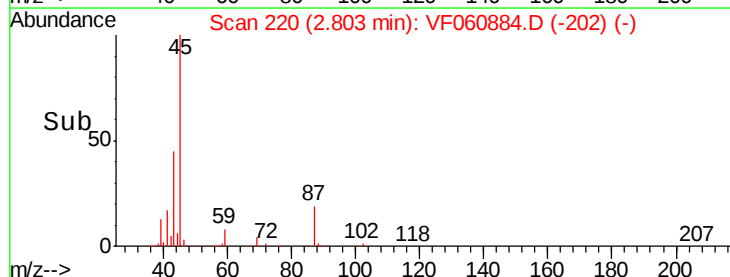
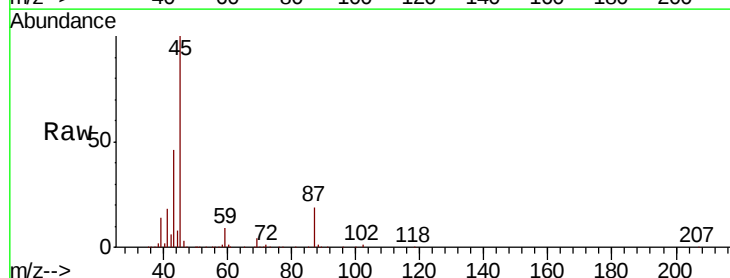
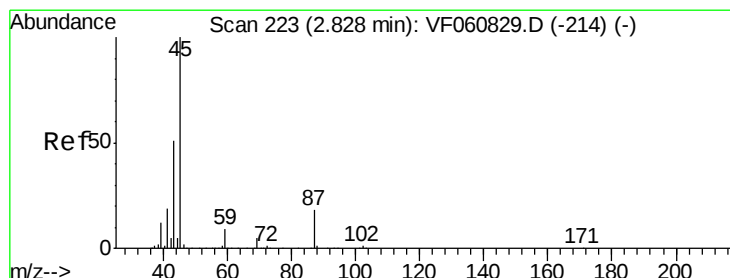
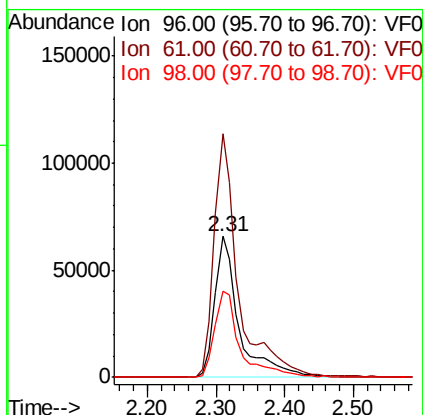
#21
trans-1,2-Dichloroethene
Concen: 124.184 ug/l
RT: 2.31 min Scan# 170
Delta R.T. -0.03 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tot Ion	Ratio	Lower	Upper
96	100		
61	173.1	134.5	201.7
98	61.6	51.6	77.4

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

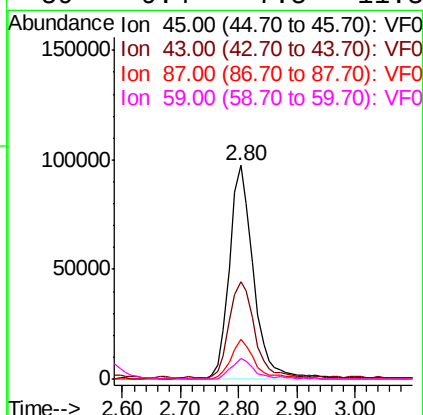
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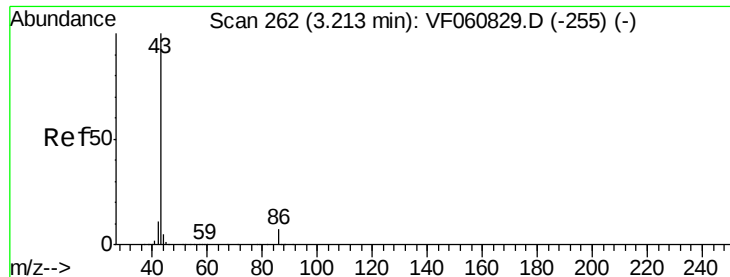
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#22
Diisopropyl ether
Concen: 60.441 ug/l
RT: 2.80 min Scan# 220
Delta R.T. -0.03 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	45.8	41.0	61.6
87	18.6	14.6	22.0
59	9.4	7.5	11.3





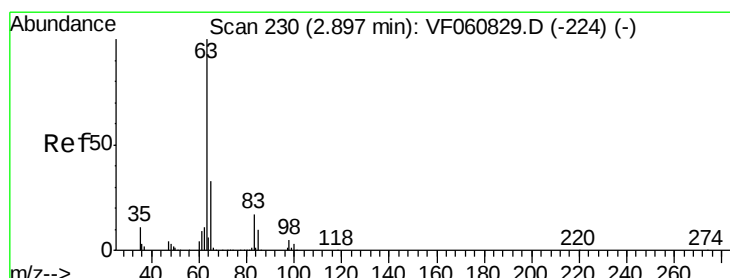
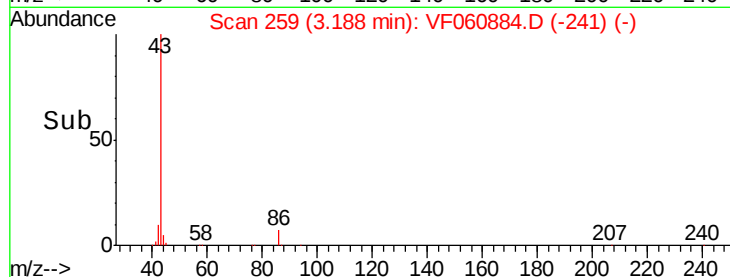
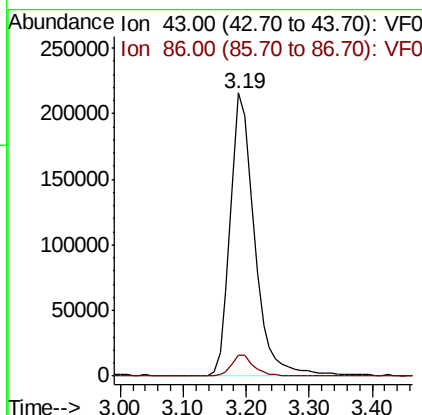
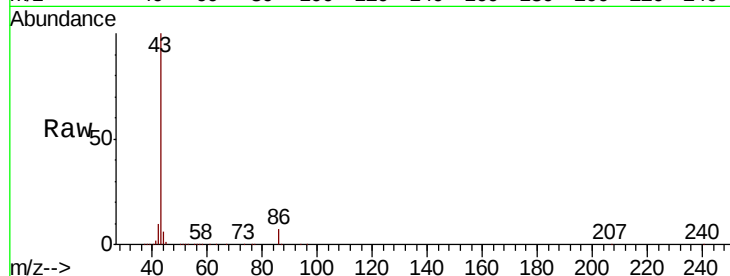
#23
 Vinyl Acetate
 Concen: 271.146 ug/l
 RT: 3.19 min Scan# 259
 Delta R.T. -0.03 min
 Lab File: VF060884.D
 Acq: 29 Nov 2018 23:30

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MSD

Tot Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.4	8.0

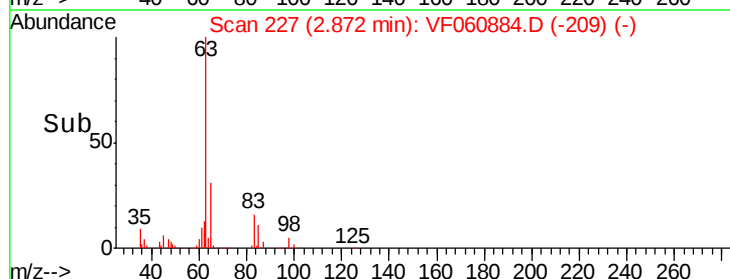
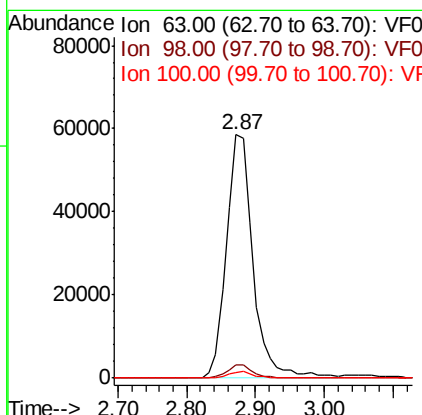
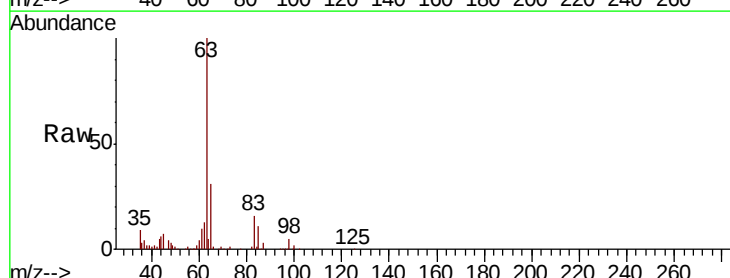
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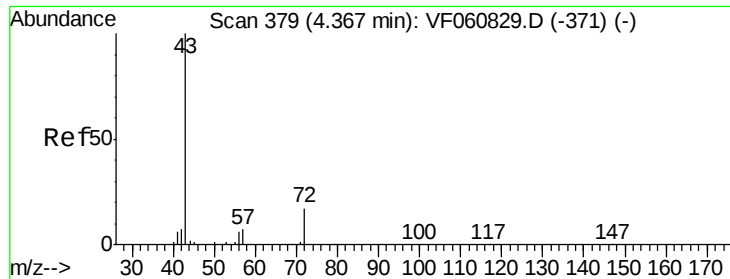
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#24
 1,1-Dichloroethane
 Concen: 57.609 ug/l
 RT: 2.87 min Scan# 227
 Delta R.T. -0.03 min
 Lab File: VF060884.D
 Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.7	8.1
100	2.4	1.5	4.5





#25

2-Butanone

Concen: 327.744 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.03 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MSD

Tot Ion: 43 Resp: 210821

Ion Ratio Lower Upper

43 100

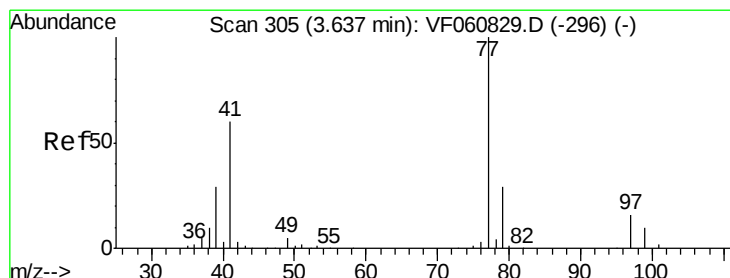
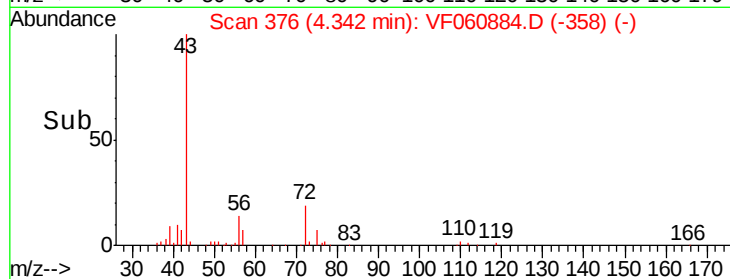
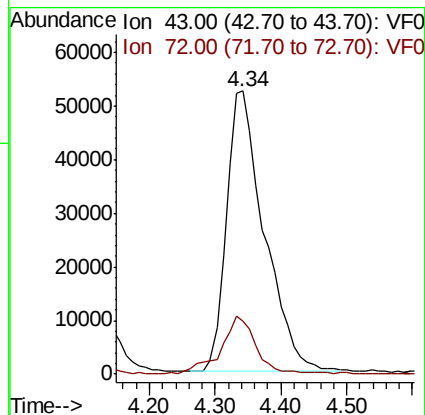
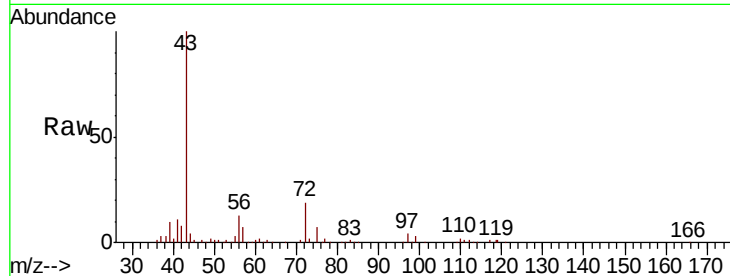
72 18.7 15.4 23.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.293 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.04 min

Lab File: VF060884.D

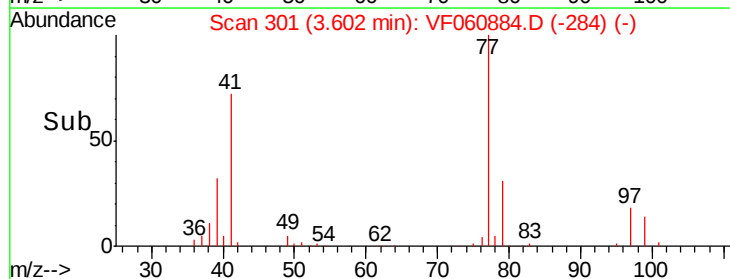
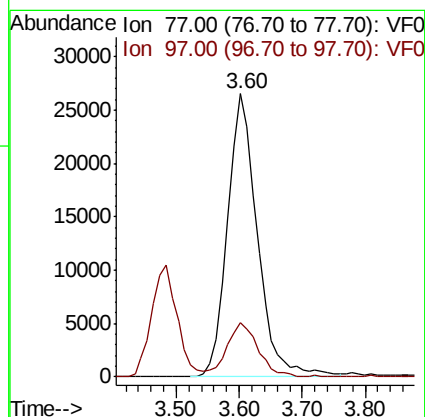
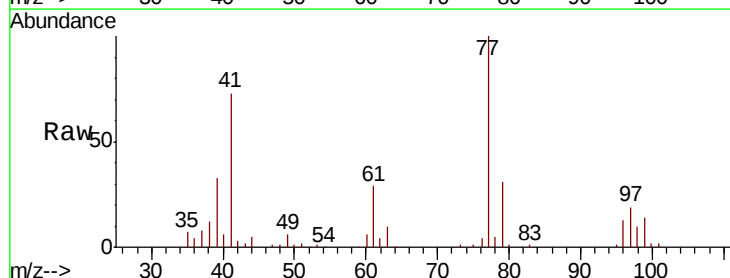
Acq: 29 Nov 2018 23:30

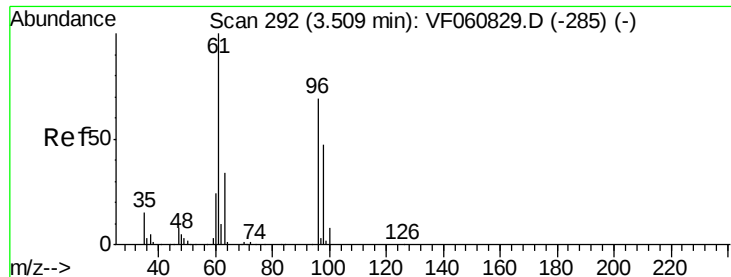
Tgt Ion: 77 Resp: 87440

Ion Ratio Lower Upper

77 100

97 19.0 8.6 25.8





#27

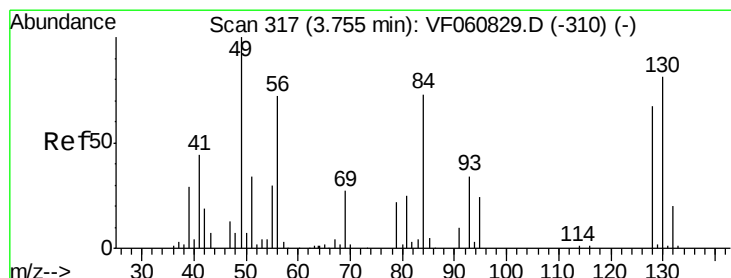
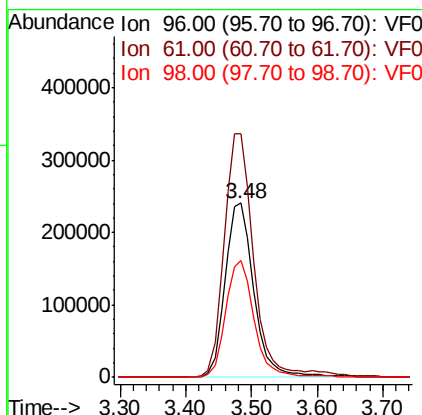
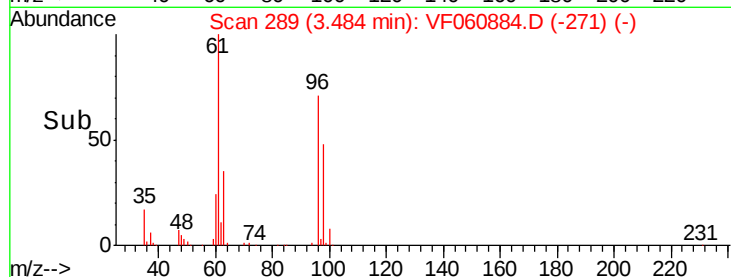
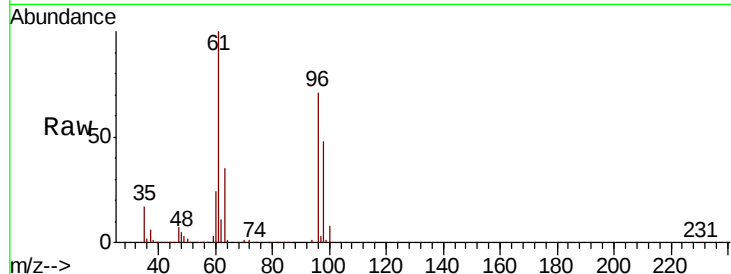
cis-1,2-Dichloroethene
Concen: 346.970 ug/l
RT: 3.48 min Scan# 289
Delta R.T. -0.03 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	96	Resp	738192
Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	290.6
98	67.2	0.0	137.8

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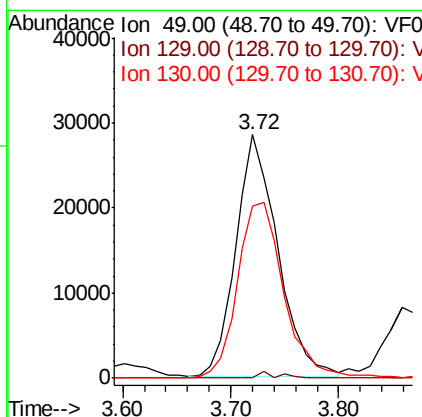
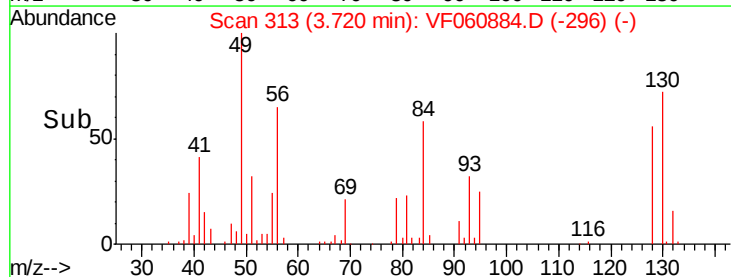
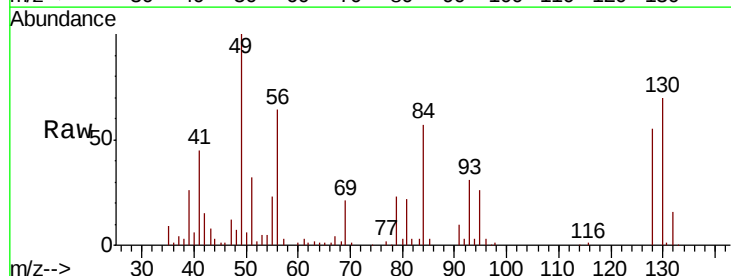
apatel
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#28

Bromochloromethane
Concen: 58.490 ug/l
RT: 3.72 min Scan# 313
Delta R.T. -0.04 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tgt Ion	49	Resp	76806
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	70.4	64.2	96.4





#29

Tetrahydrofuran

Concen: 324.414 ug/l

RT: 4.08 min Scan# 349

Delta R.T. -0.04 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Instrument :

MSVOA_F

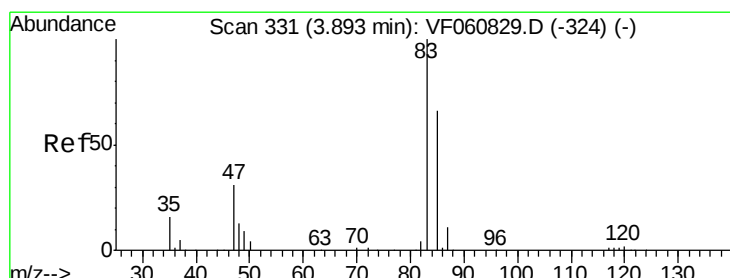
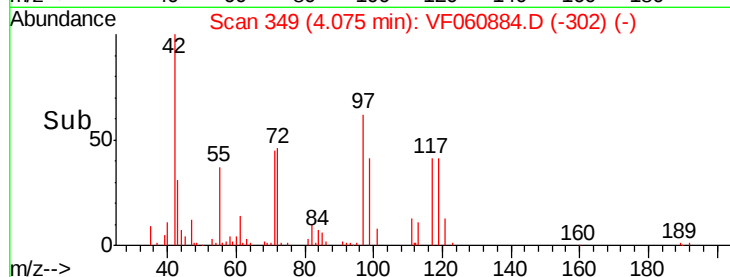
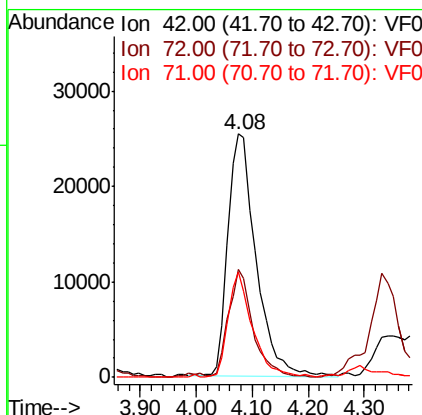
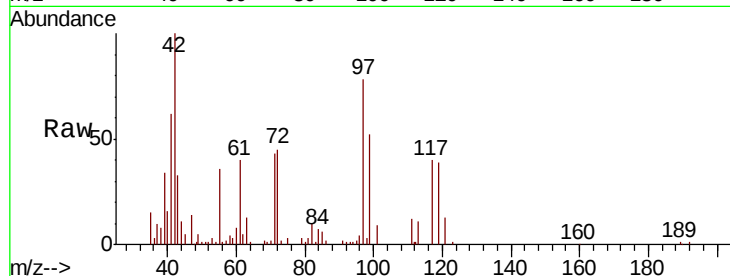
ClientSampleId :

S49-0483MSD

Tot Ion:	42	Resp:	88456
Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.9	47.9
71	37.8	28.7	43.1

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#30

Chloroform

Concen: 57.881 ug/l

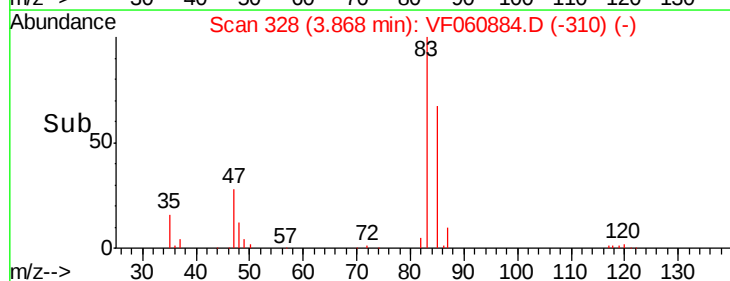
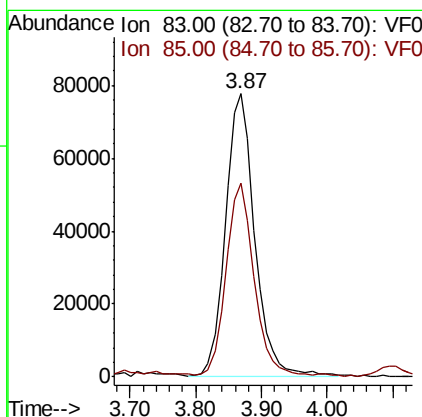
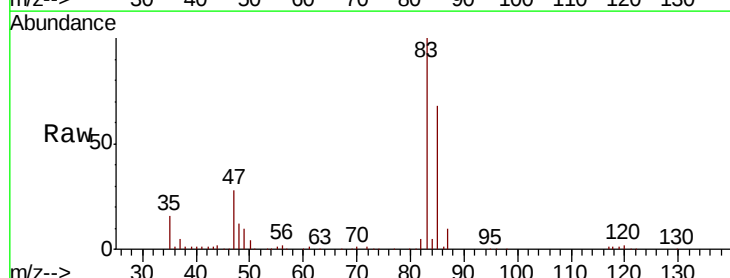
RT: 3.87 min Scan# 328

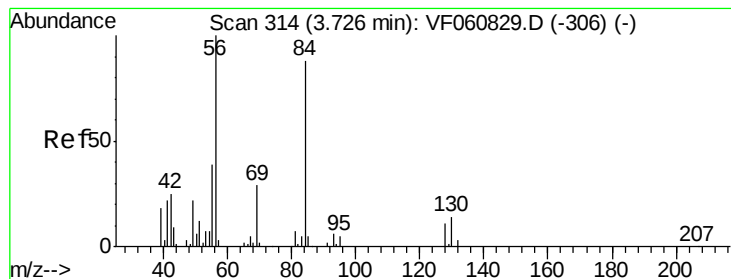
Delta R.T. -0.03 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Tgt Ion:	83	Resp:	243746
Ion	Ratio	Lower	Upper
83	100		
85	68.5	53.4	80.2





#31

Cyclohexane

Concen: 54.821 ug/l

RT: 3.69 min Scan# 310

Delta R.T. -0.04 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Instrument :

MSVOA_F

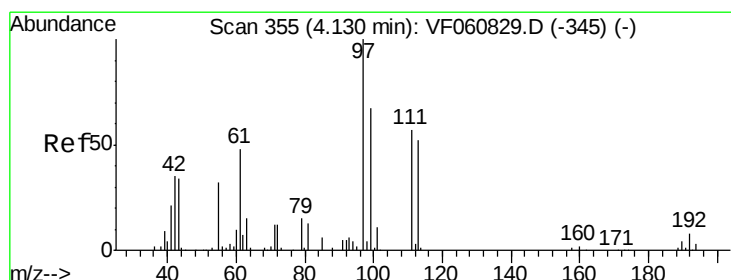
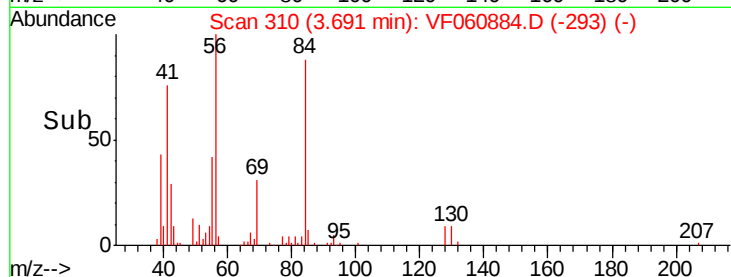
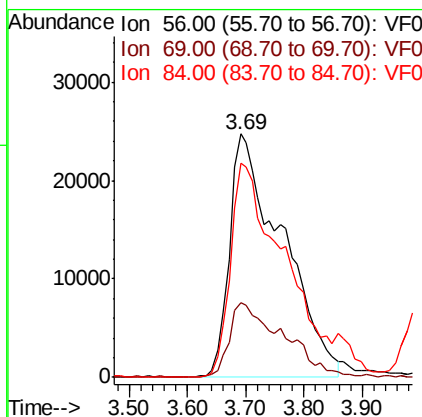
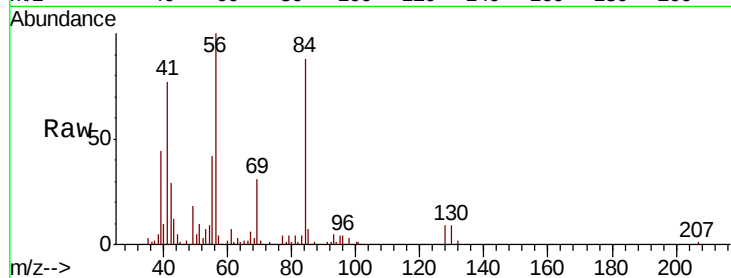
ClientSampleId :

S49-0483MSD

Tot Ion:	56	Resp:	155673
Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.0	34.4
84	88.0	70.4	105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.437 ug/l

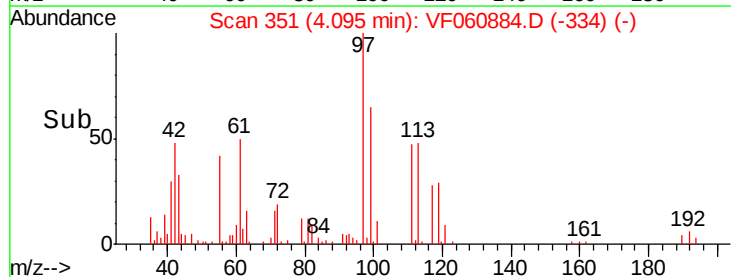
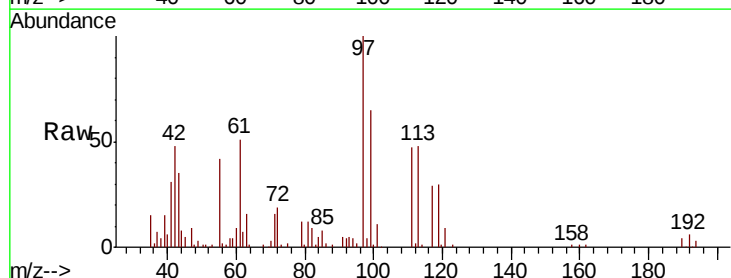
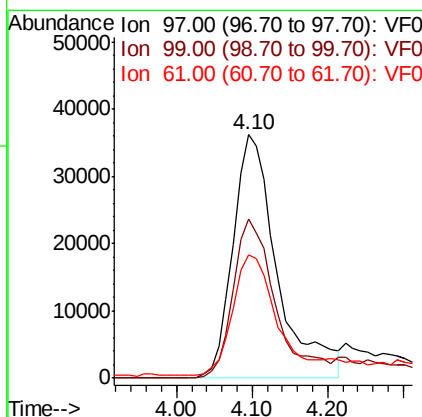
RT: 4.10 min Scan# 351

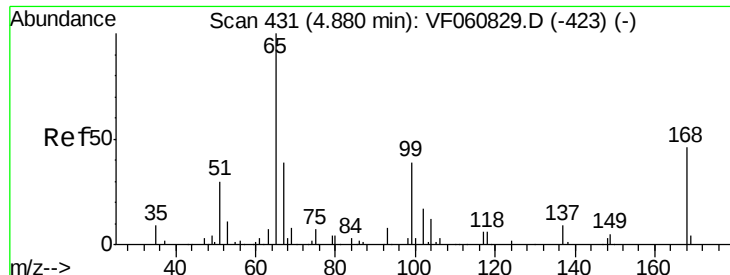
Delta R.T. -0.04 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Tgt Ion:	97	Resp:	147302
Ion	Ratio	Lower	Upper
97	100		
99	65.2	53.5	80.3
61	50.7	38.6	58.0





#33

1,2-Dichloroethane-d4

Concen: 62.132 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MSD

Tot Ion: 65 Resp: 125304

Ion Ratio Lower Upper

65 100

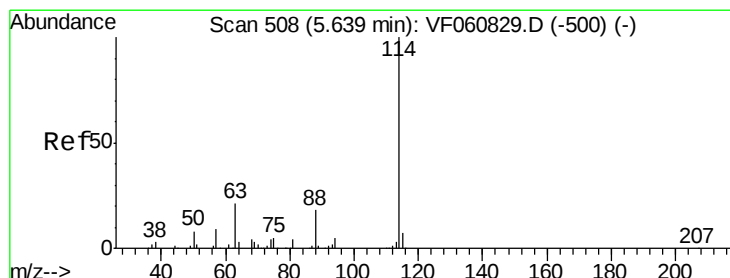
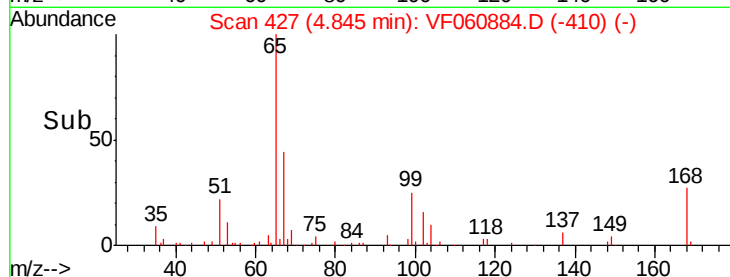
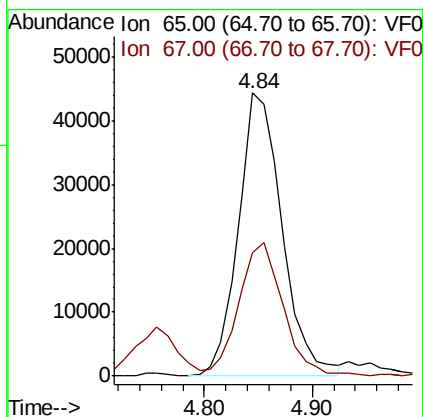
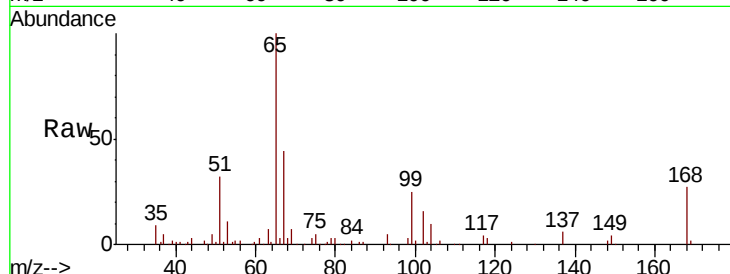
67 43.7 0.0 96.4

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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: VF060884.D

Acq: 29 Nov 2018 23:30

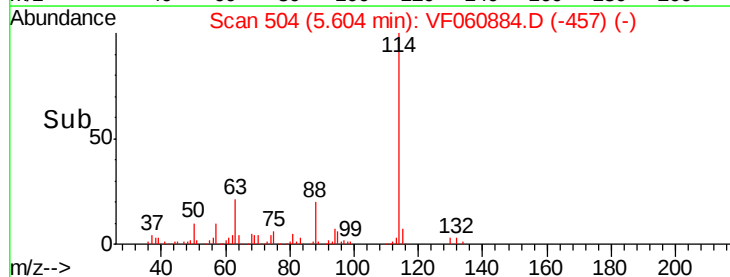
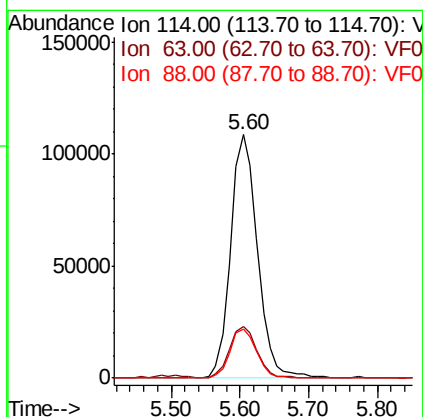
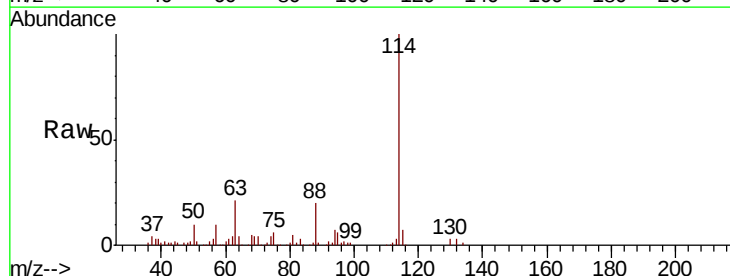
Tgt Ion: 114 Resp: 293997

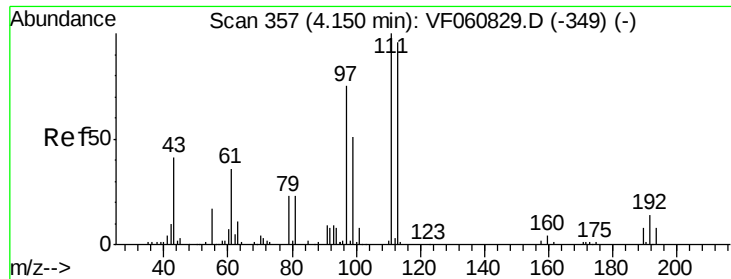
Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.6

88 20.0 0.0 36.6





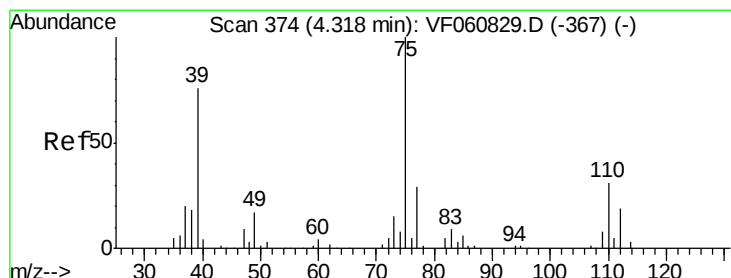
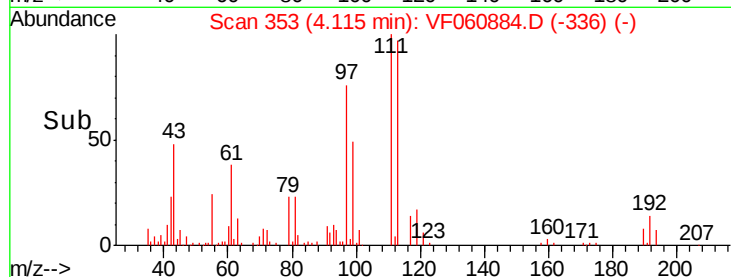
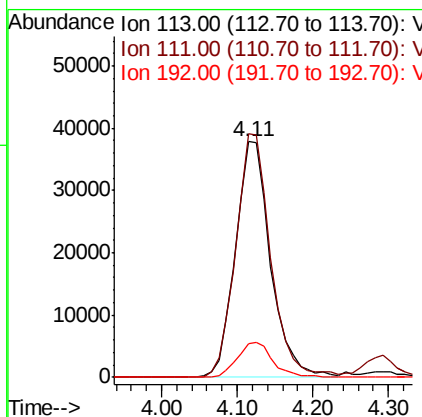
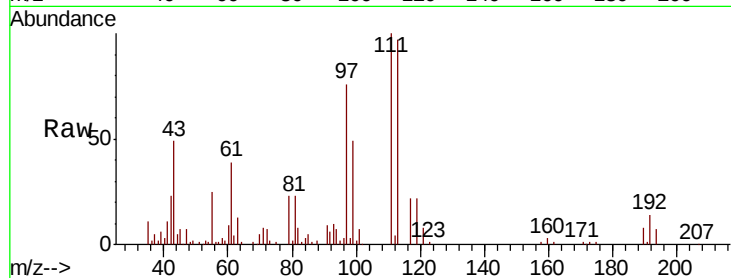
#35
Dibromofluoromethane
Concen: 52.172 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.04 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	121684		
111	103.3	83.0	124.6	
192	14.0	12.3	18.5	

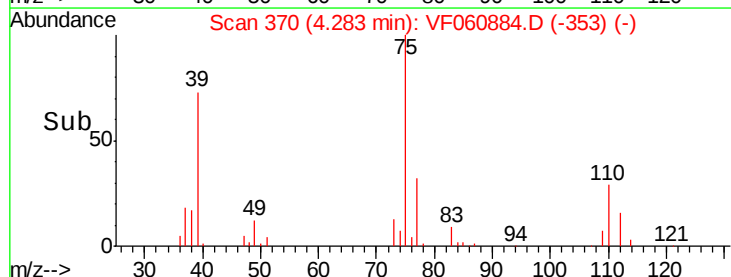
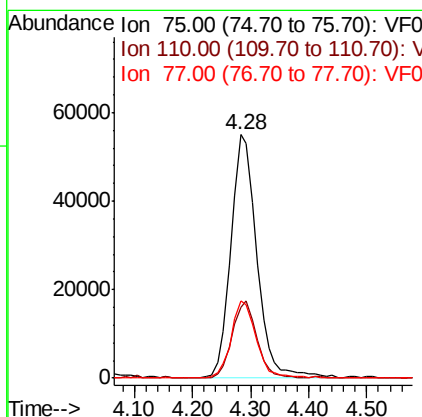
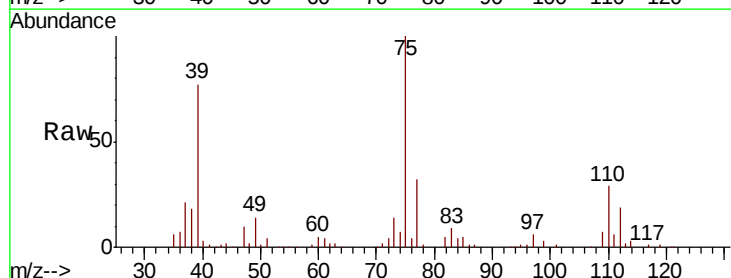
Manual Integrations
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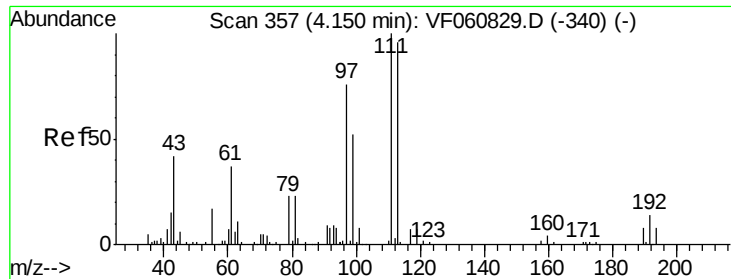
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#36
1,1-Dichloropropene
Concen: 52.788 ug/l
RT: 4.28 min Scan# 370
Delta R.T. -0.04 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	172138		
110	28.8	15.6	46.8	
77	31.6	23.4	35.0	





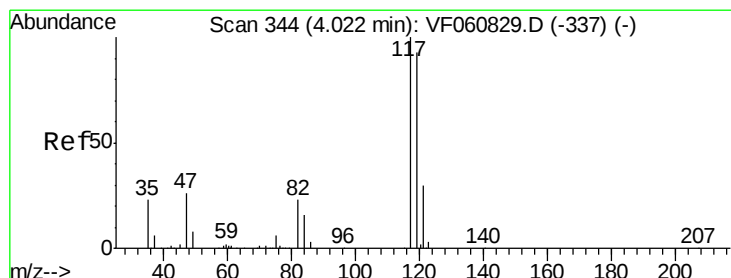
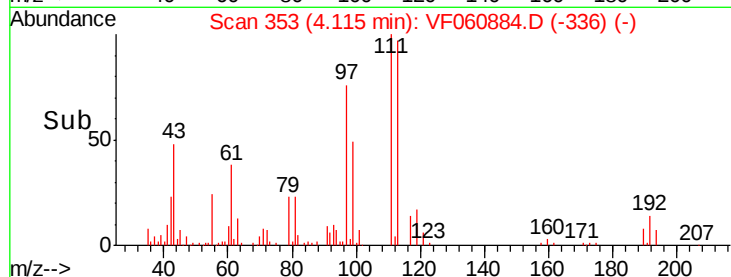
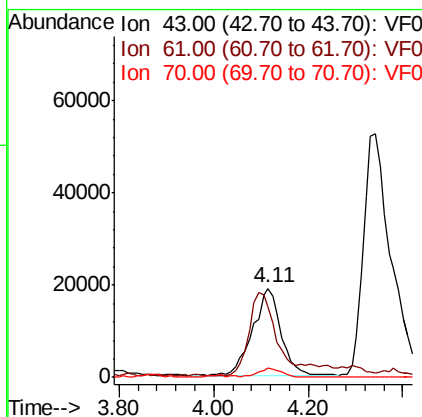
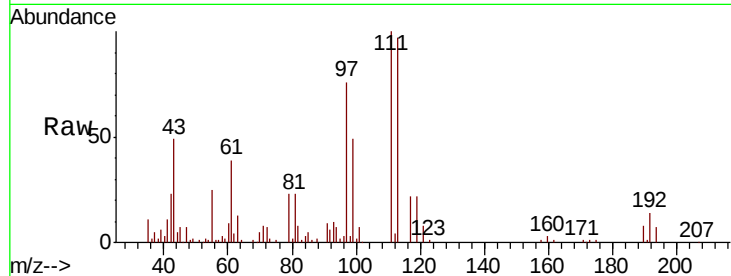
#37
Ethyl Acetate
Concen: 60.644 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.04 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	79.7	68.6	103.0
70	9.9	9.0	13.4

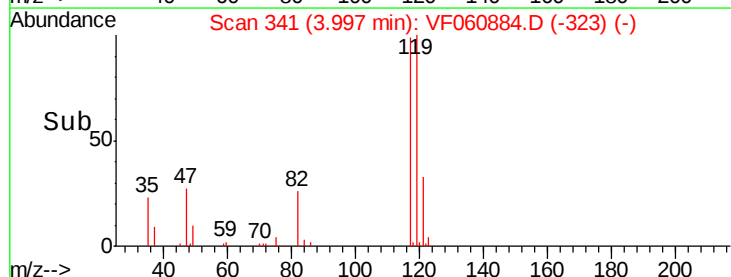
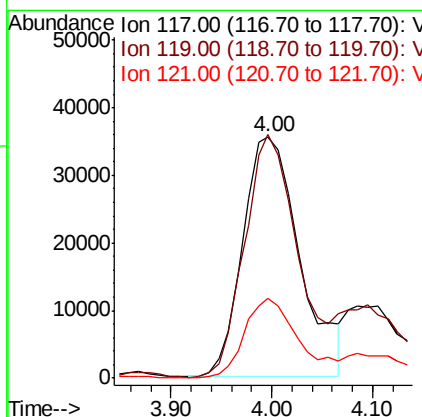
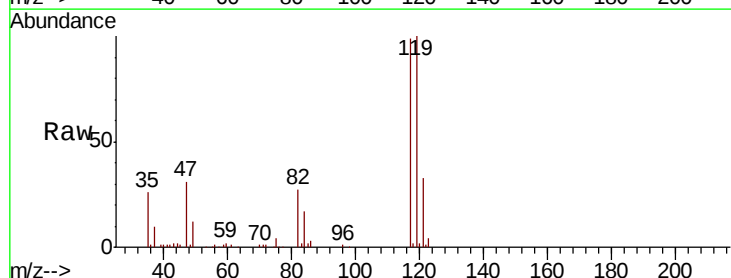
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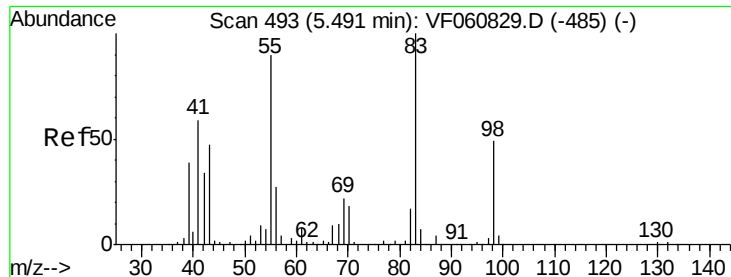
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#38
Carbon Tetrachloride
Concen: 48.738 ug/l
RT: 4.00 min Scan# 341
Delta R.T. -0.03 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.8	74.4	111.6
121	33.0	23.5	35.3





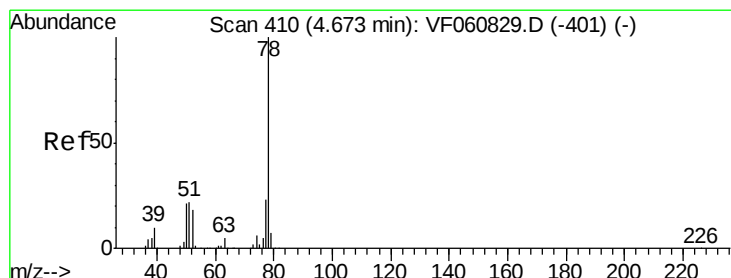
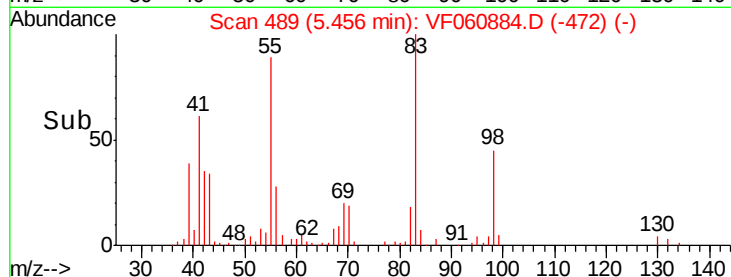
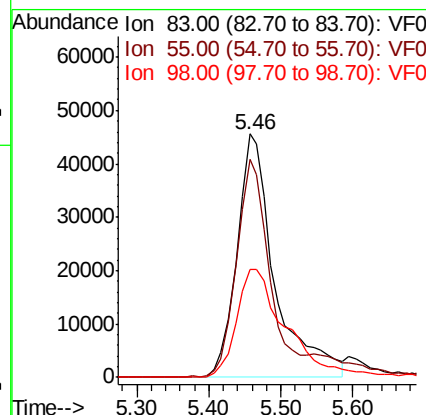
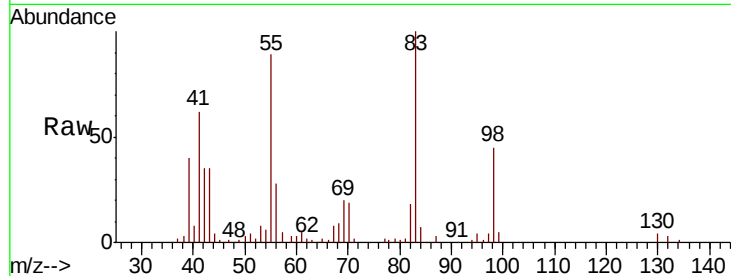
#39
Methvlcvclohexane
Concen: 49.031 ug/l
RT: 5.46 min Scan# 489
Delta R.T. -0.04 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.4	72.1	108.1
98	44.5	39.1	58.7

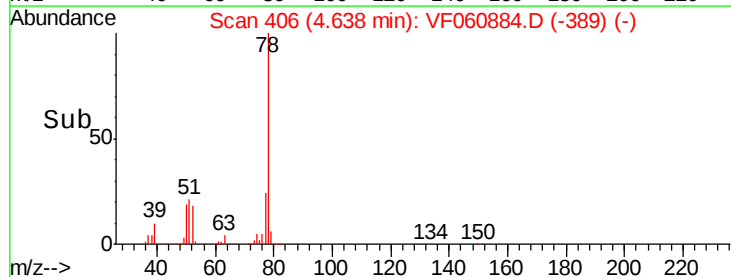
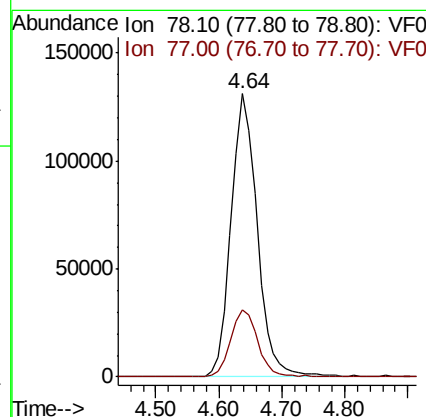
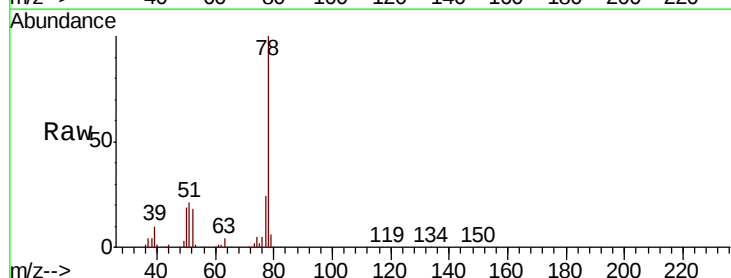
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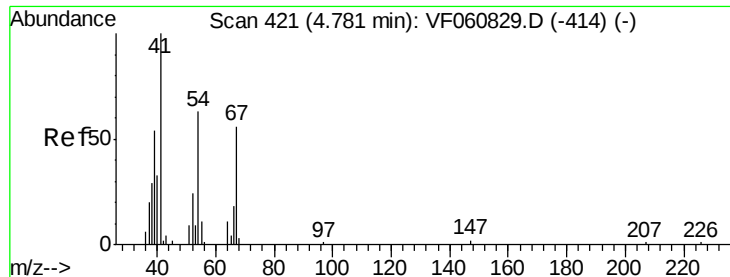
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#40
Benzene
Concen: 52.314 ug/l
RT: 4.64 min Scan# 406
Delta R.T. -0.04 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.7	28.1





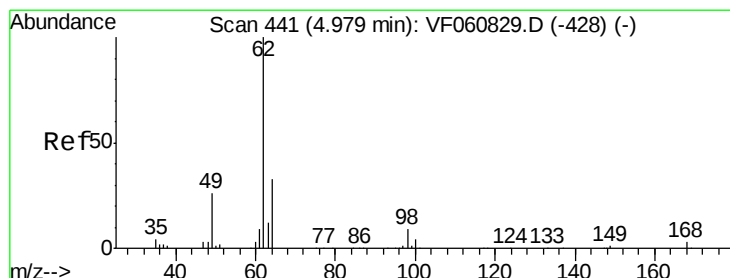
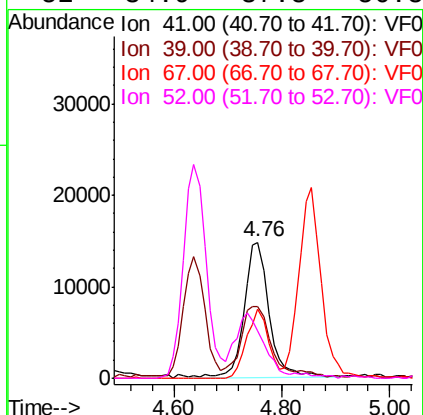
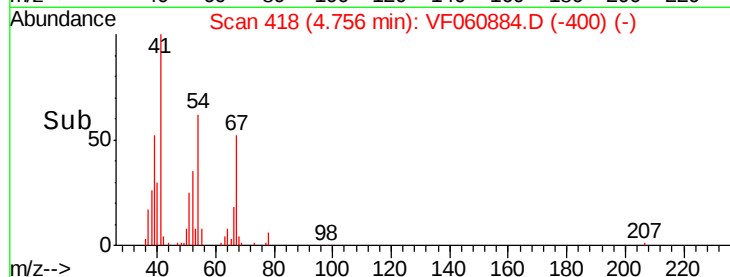
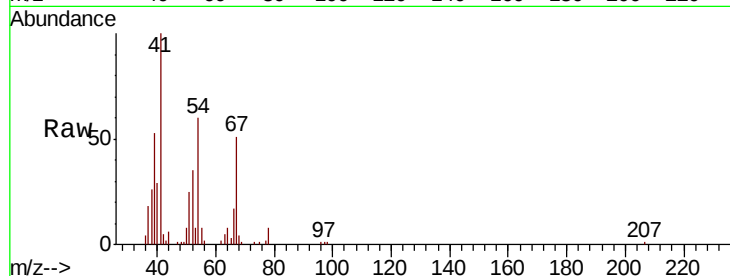
#41
Methacrylonitrile
Concen: 70.132 ug/l
RT: 4.76 min Scan# 418
Delta R.T. -0.02 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.1	53.0	79.6
67	51.2	43.8	65.6
52	34.9	37.8	56.8

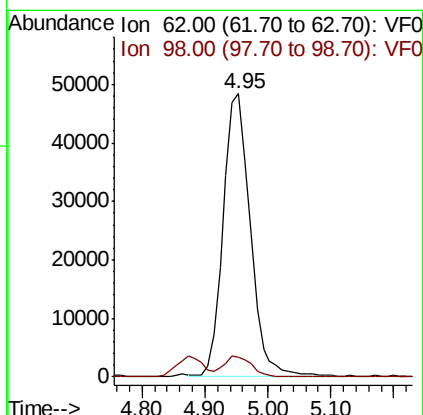
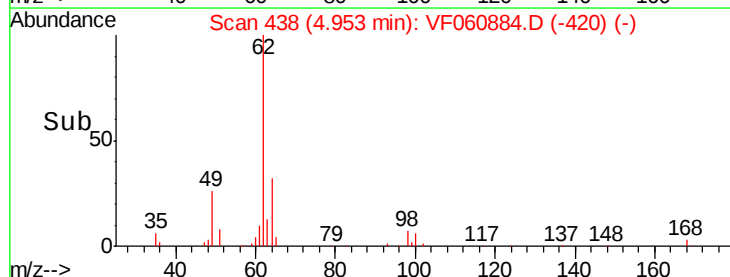
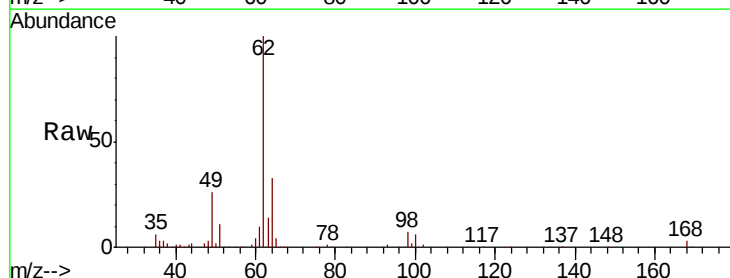
Manual Integrations
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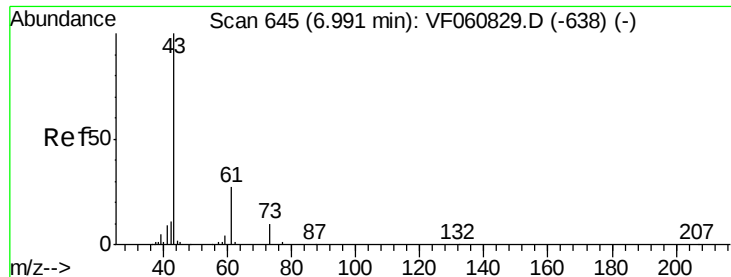
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#42
1,2-Dichloroethane
Concen: 54.421 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.03 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	17.2





#43

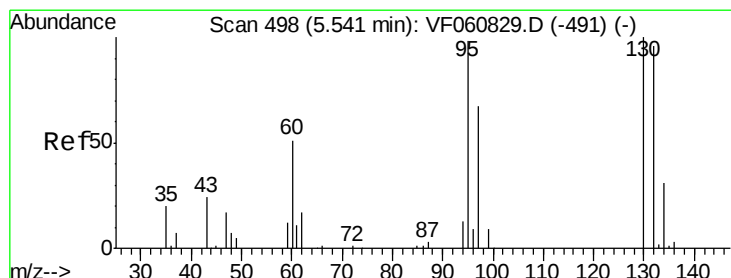
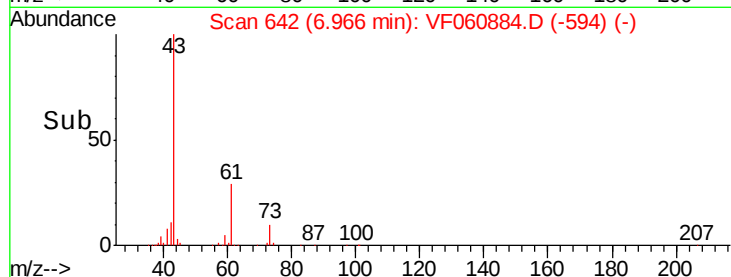
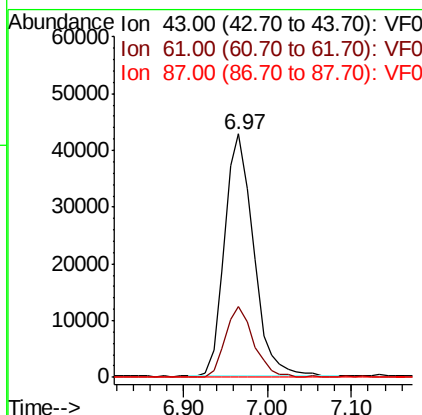
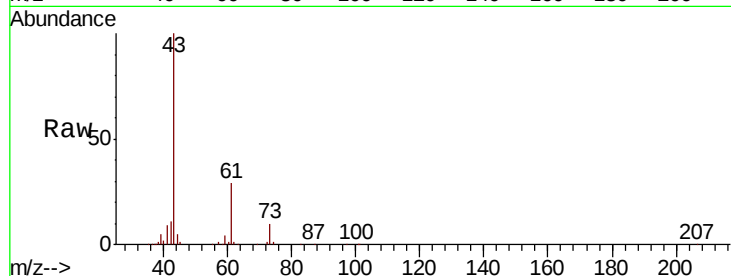
Isopropyl Acetate
 Concen: 63.722 ug/l
 RT: 6.97 min Scan# 642
 Delta R.T. -0.02 min
 Lab File: VF060884.D
 Acq: 29 Nov 2018 23:30

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MSD

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	29.1	21.4	32.0	
87	0.4	0.2	0.4	

Manual Integrations
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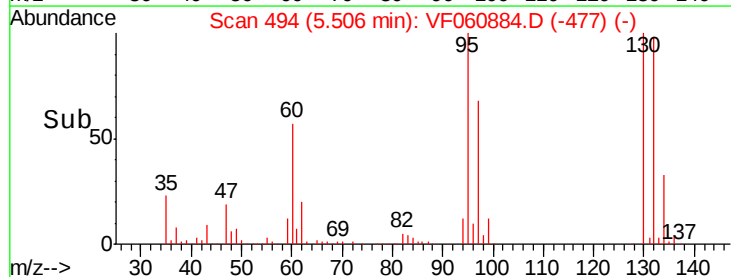
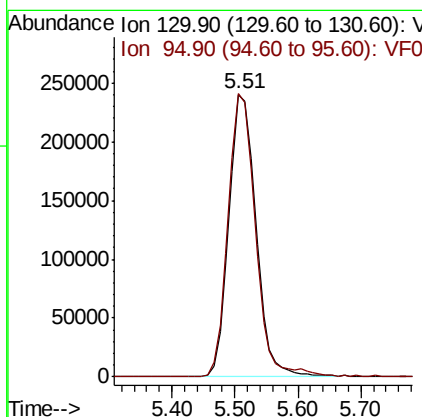
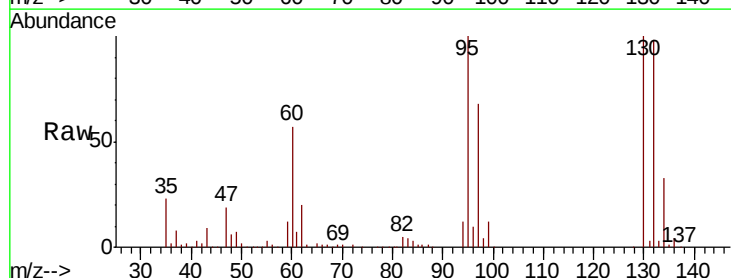
apatel
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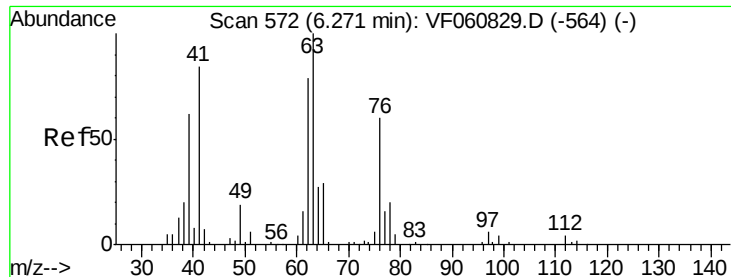


#44

Trichloroethene
 Concen: 304.332 ug/l
 RT: 5.51 min Scan# 494
 Delta R.T. -0.04 min
 Lab File: VF060884.D
 Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
130	100			
95	100.2	0.0	195.6	





#45

1,2-Dichloropropane

Concen: 55.474 ug/l

RT: 6.24 min Scan# 568

Delta R.T. -0.04 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MSD

Tot Ion: 63 Resp: 103791

Ion Ratio Lower Upper

63 100

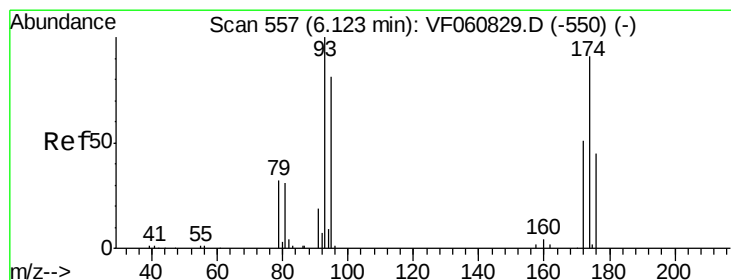
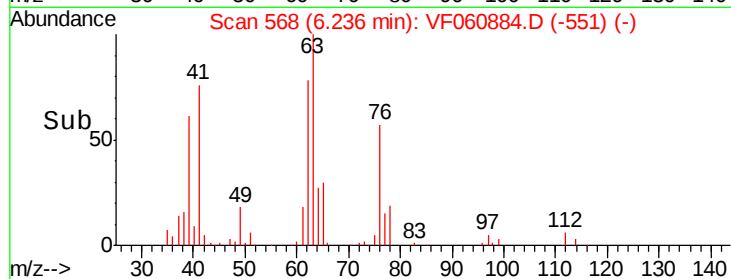
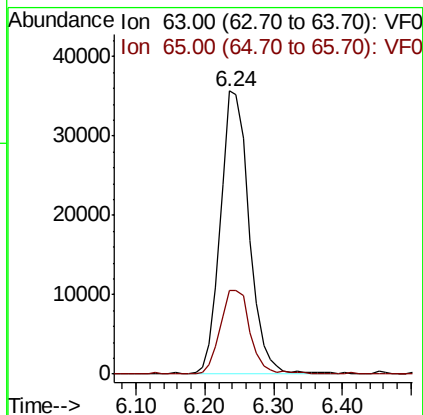
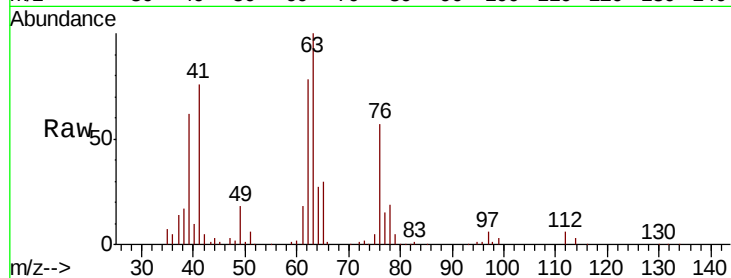
65 29.6 23.2 34.8

Manual Integrations

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#46

Dibromomethane

Concen: 59.815 ug/l

RT: 6.10 min Scan# 554

Delta R.T. -0.03 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

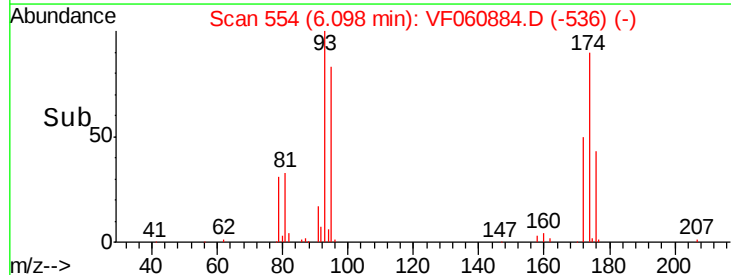
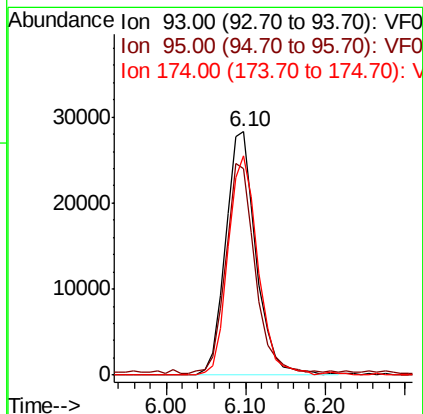
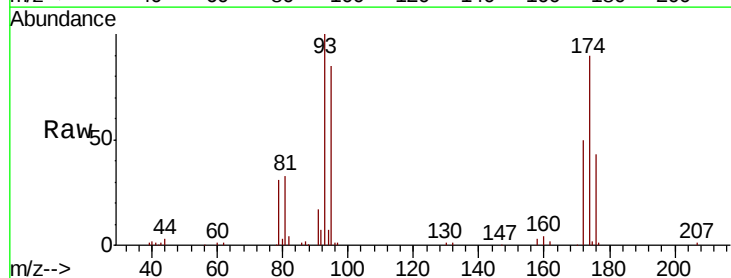
Tgt Ion: 93 Resp: 75918

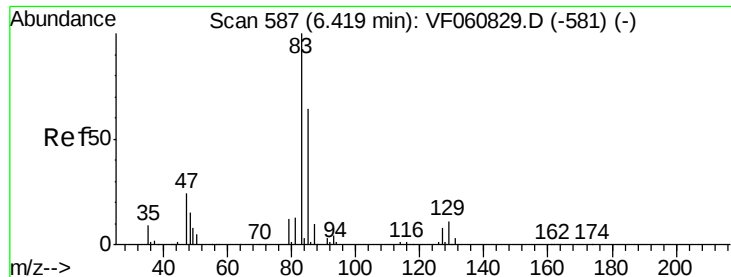
Ion Ratio Lower Upper

93 100

95 84.8 64.7 97.1

174 90.1 73.0 109.6





#47

Bromodichloromethane

Concen: 53.580 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.03 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Instrument :

MSVOA_F

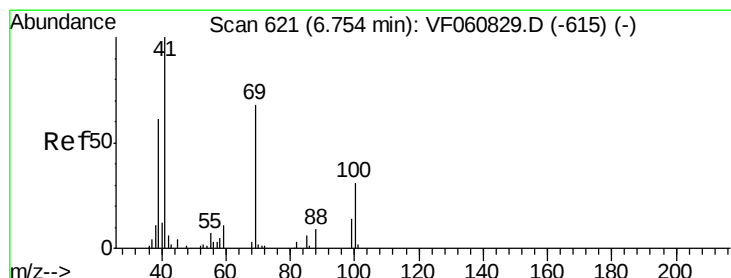
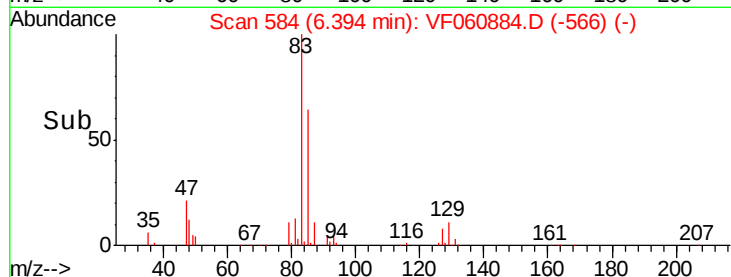
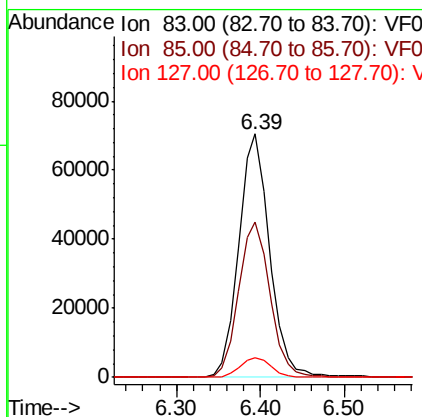
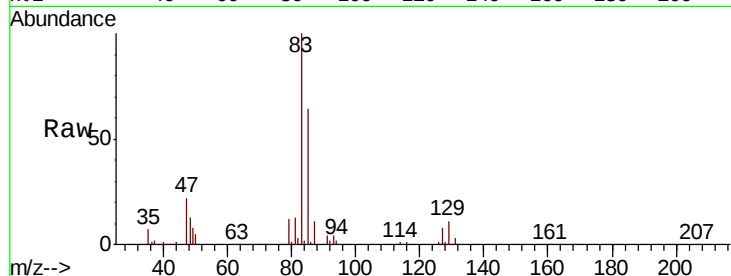
ClientSampleId :

S49-0483MSD

Tot Ion:	83	Resp:	180618
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.1	76.7
127	8.2	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 58.688 ug/l

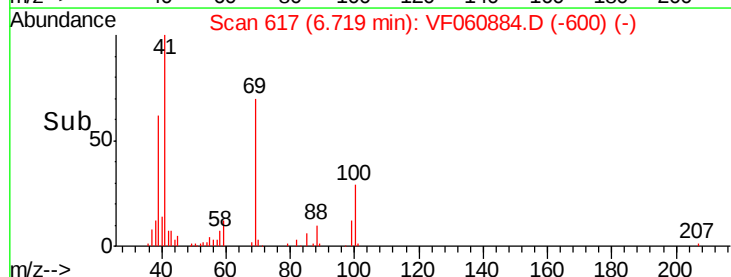
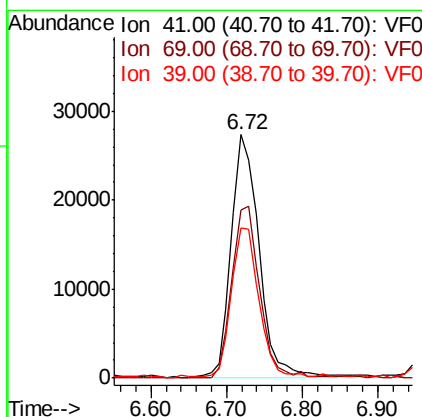
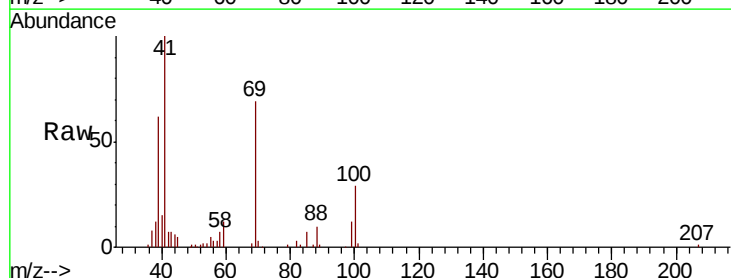
RT: 6.72 min Scan# 617

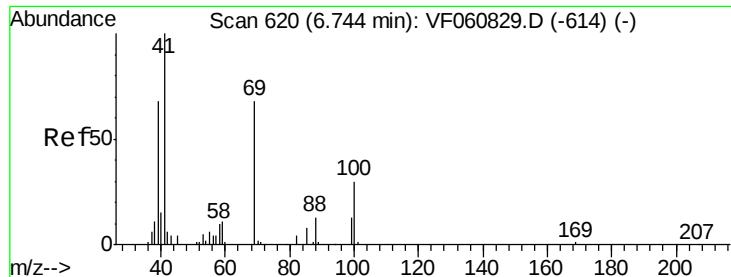
Delta R.T. -0.04 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Tgt Ion:	41	Resp:	70396
Ion Ratio	Lower	Upper	
41	100		
69	69.1	53.9	80.9
39	61.6	49.0	73.6





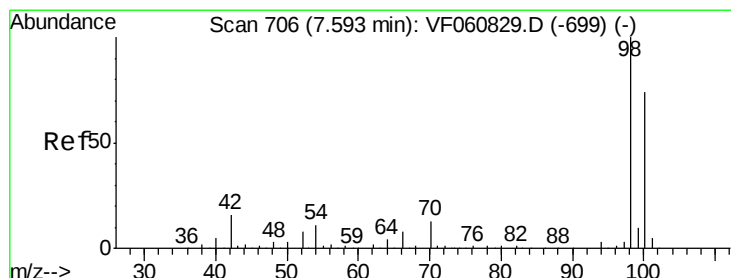
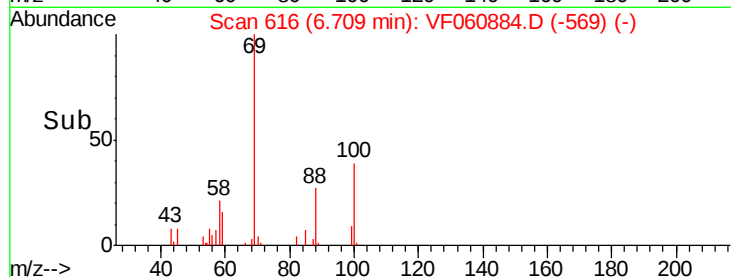
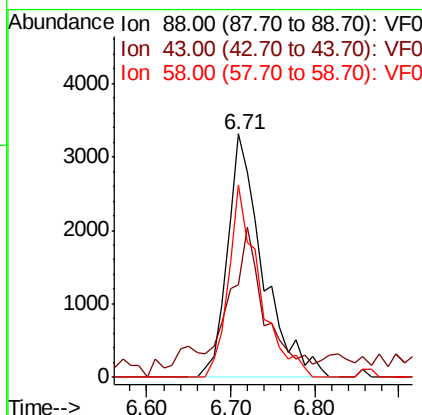
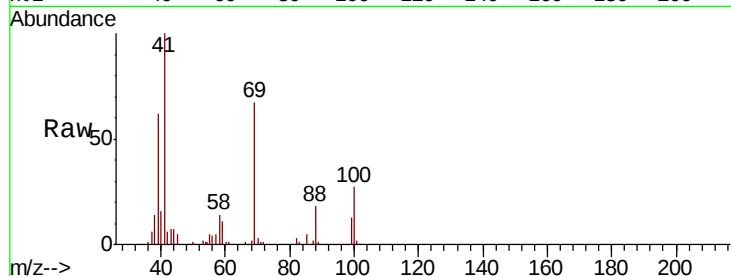
#49
1,4-Dioxane
Concen: 1100.389 ug/l
RT: 6.71 min Scan# 616
Delta R.T. -0.04 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	37.9	42.0	63.0#	
58	78.9	61.8	92.8	

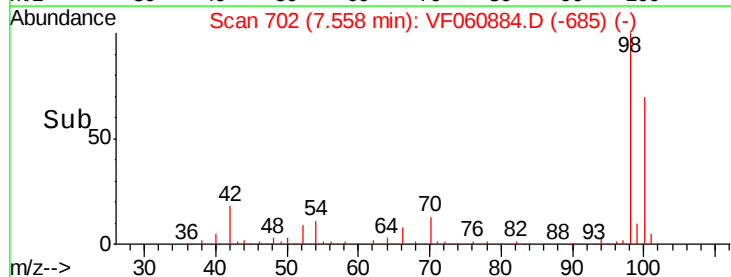
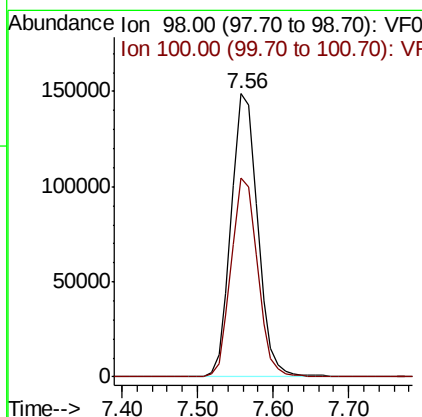
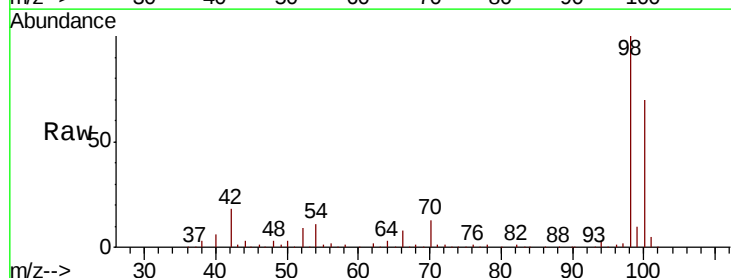
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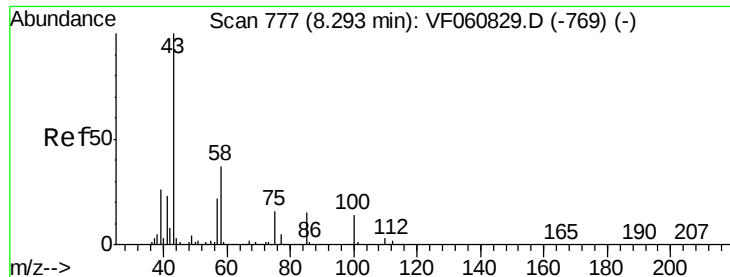
apatel
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#50
Toluene-d8
Concen: 52.660 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	70.5	59.3	88.9	





#51

4-Methyl-2-Pentanone

Concen: 307.316 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MSD

Tot Ion: 43 Resp: 375540

Ion Ratio Lower Upper

43 100

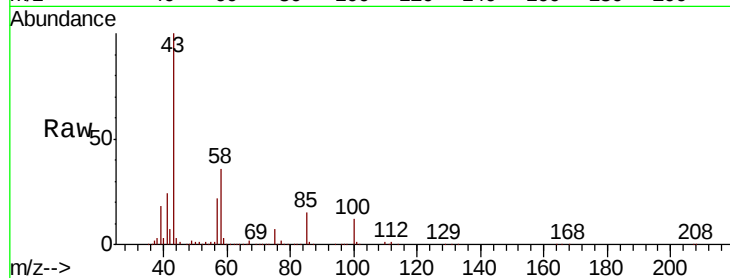
58 35.9 29.7 44.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

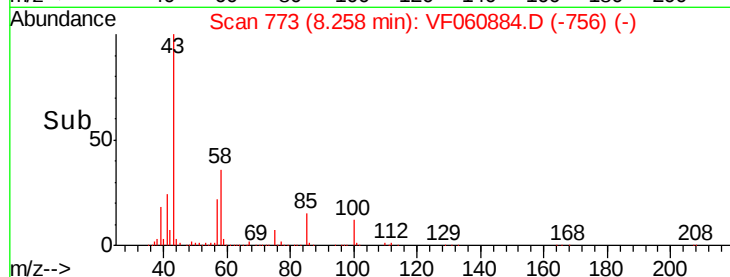
100000

50000

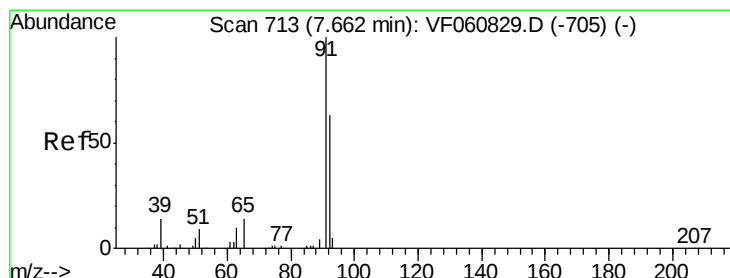
0

8.26

8.10 8.20 8.30 8.40



Time-->



#52

Toluene

Concen: 51.006 ug/l

RT: 7.64 min Scan# 710

Delta R.T. -0.03 min

Lab File: VF060884.D

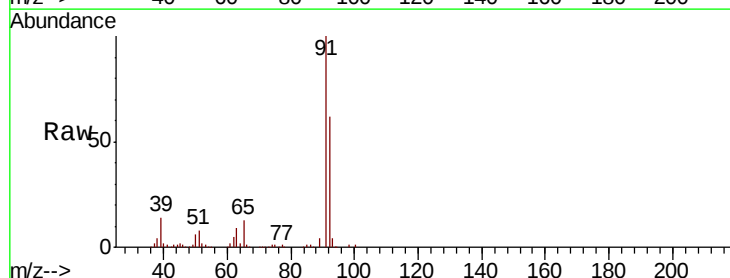
Acq: 29 Nov 2018 23:30

Tgt Ion: 92 Resp: 258101

Ion Ratio Lower Upper

92 100

91 160.5 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

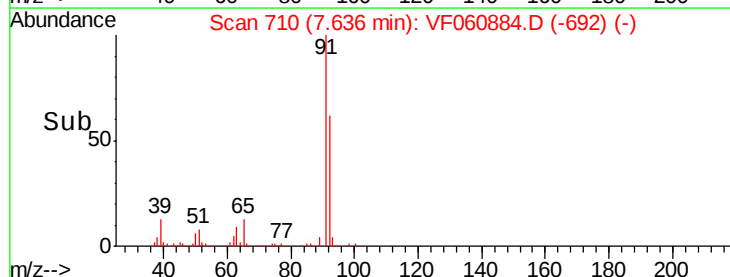
100000

50000

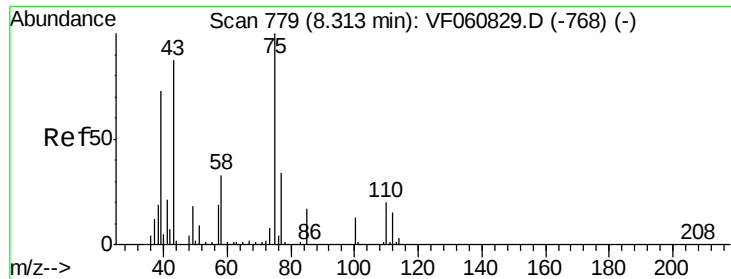
0

7.64

7.50 7.60 7.70 7.80



Time-->



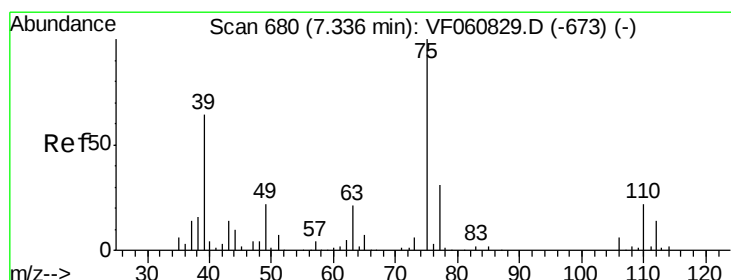
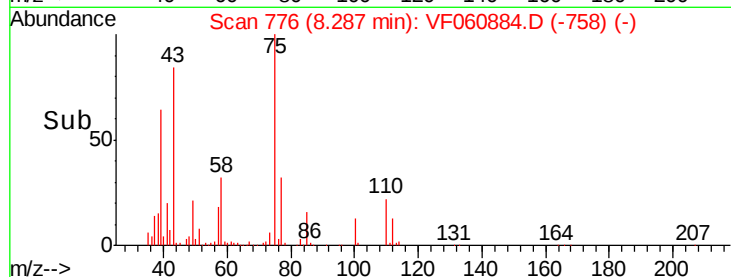
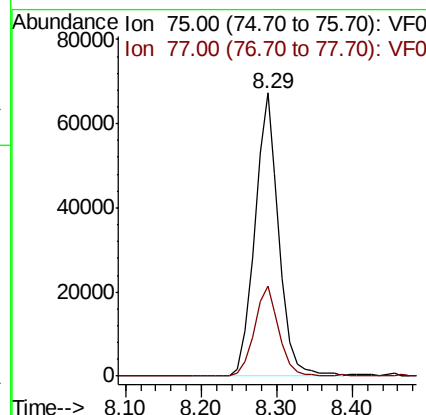
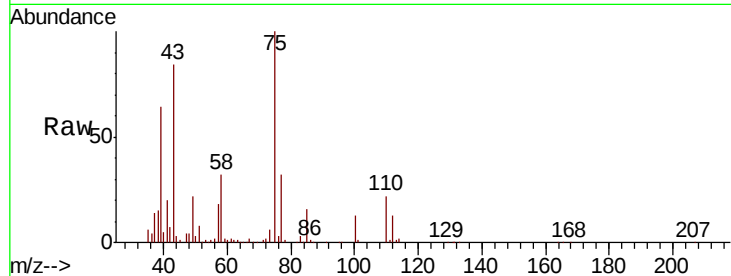
#53
t-1,3-Dichloropropene
Concen: 53.699 ug/l
RT: 8.29 min Scan# 776
Delta R.T. -0.03 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	27.4	41.2

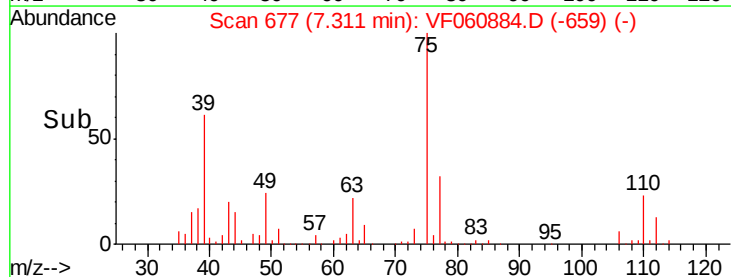
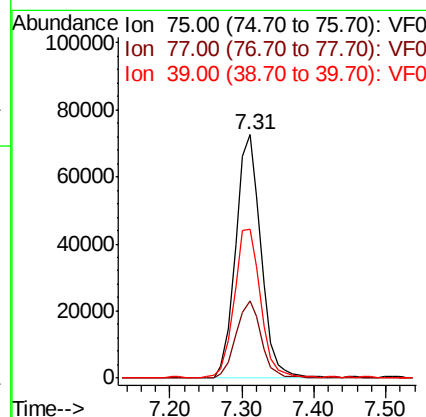
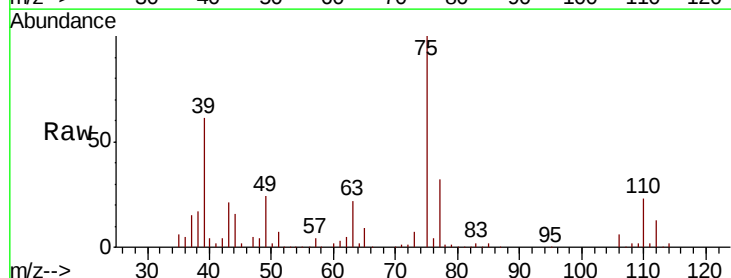
Manual Integrations
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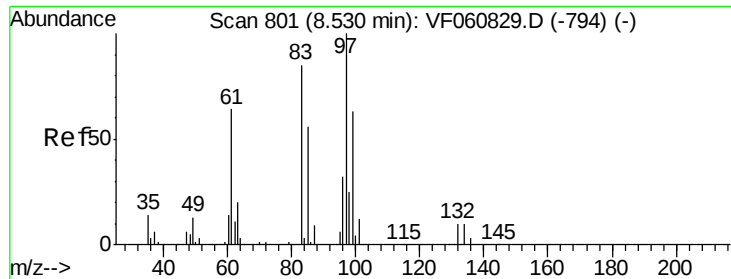
apatel
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#54
cis-1,3-Dichloropropene
Concen: 52.554 ug/l
RT: 7.31 min Scan# 677
Delta R.T. -0.03 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.6
39	61.3	51.1	76.7





#55

1,1,2-Trichloroethane

Concen: 54.155 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.04 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Instrument :

MSVOA_F

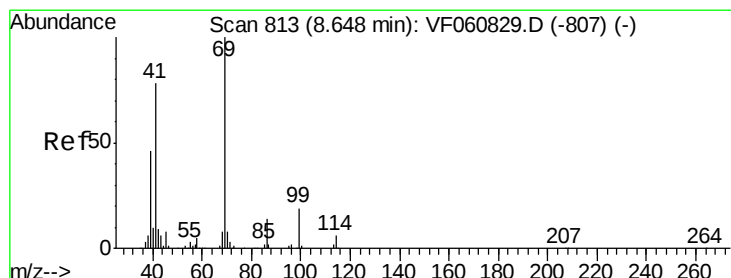
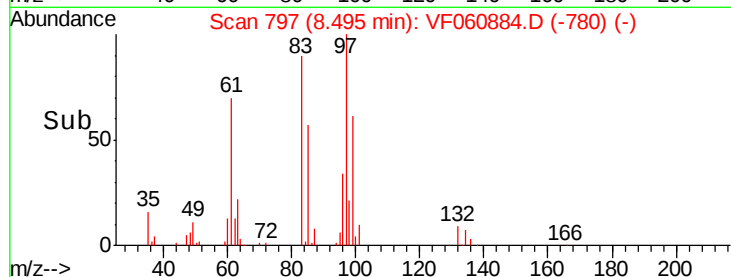
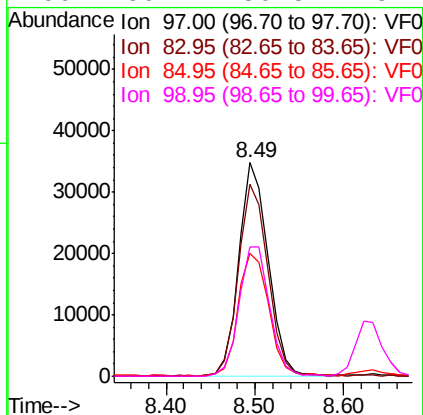
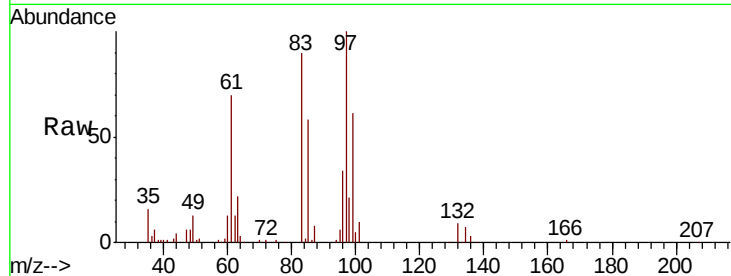
ClientSampleId :

S49-0483MSD

Tot Ion:	97	Resp:	79851
Ion	Ratio	Lower	Upper
97	100		
83	90.2	67.8	101.6
85	57.6	45.0	67.6
99	60.7	50.5	75.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 60.755 ug/l

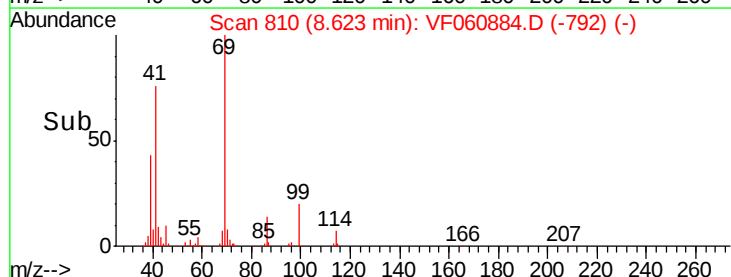
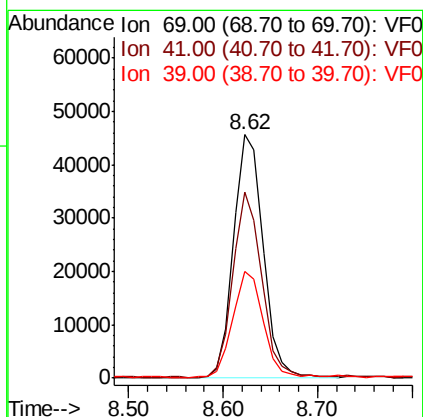
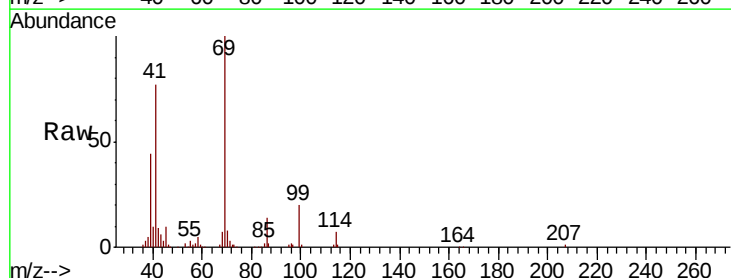
RT: 8.62 min Scan# 810

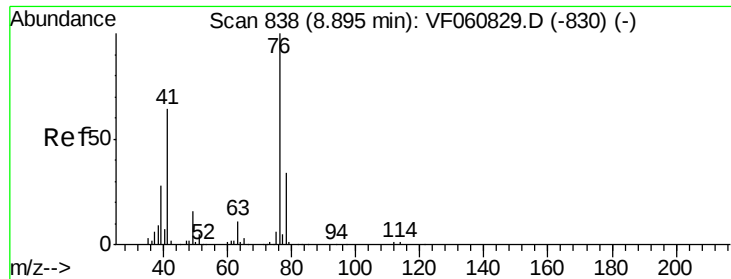
Delta R.T. -0.03 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Tgt Ion:	69	Resp:	99514
Ion	Ratio	Lower	Upper
69	100		
41	76.6	62.6	94.0
39	43.9	37.8	56.6





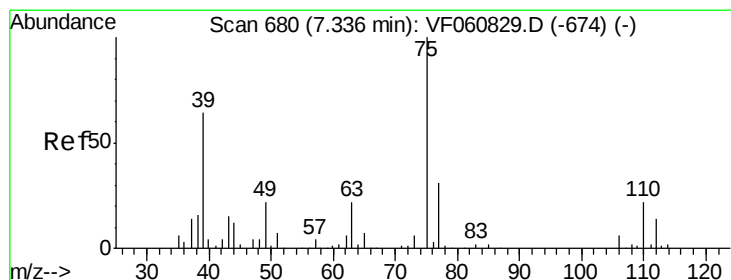
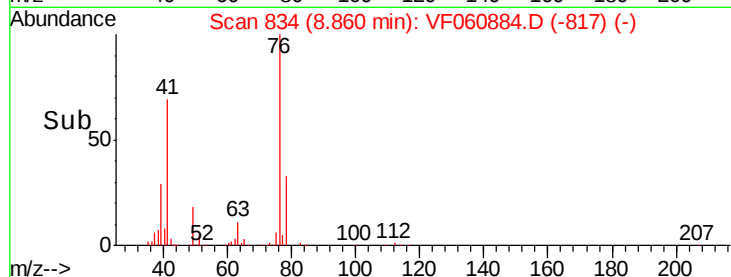
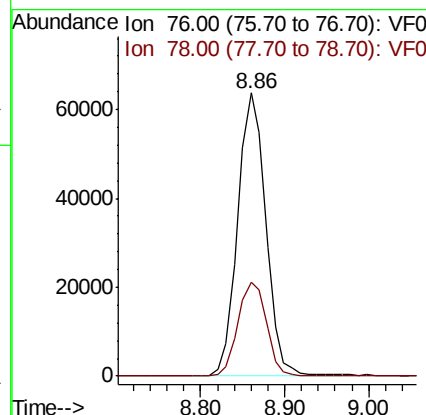
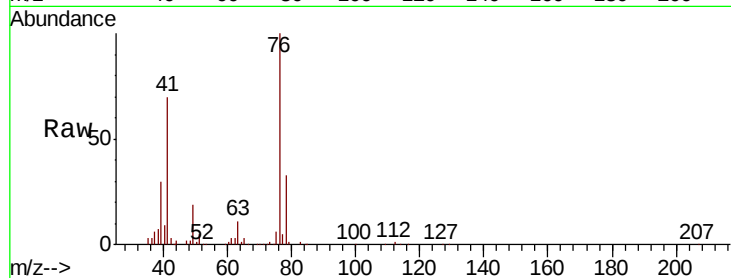
#57
 1,3-Dichloropropane
 Concen: 57.730 ug/l
 RT: 8.86 min Scan# 834
 Delta R.T. -0.04 min
 Lab File: VF060884.D
 Acq: 29 Nov 2018 23:30

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	27.0	40.4

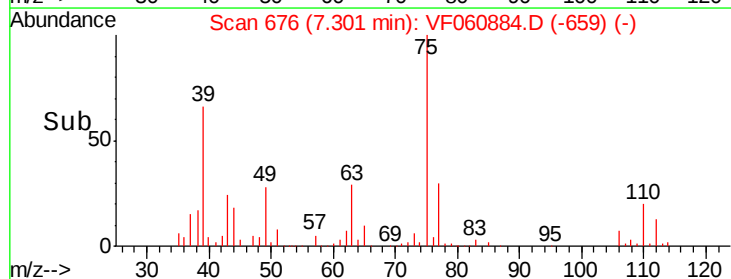
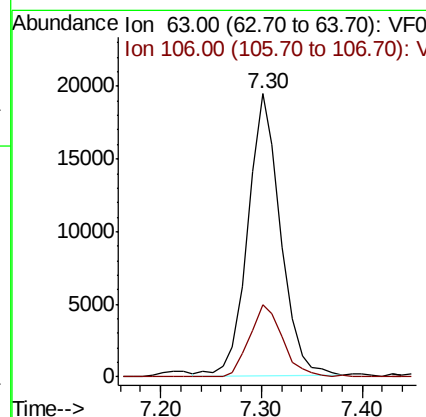
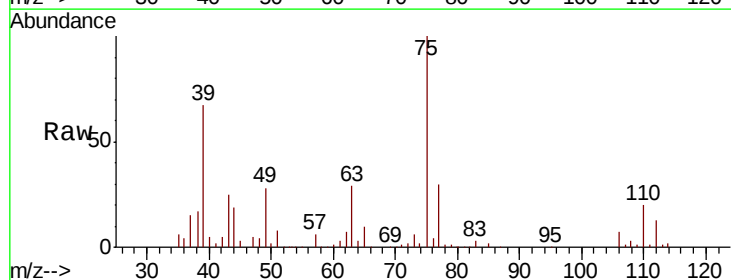
Manual Integrations
 APPROVED

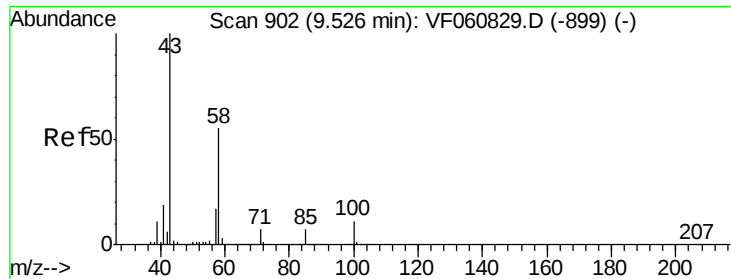
apatel
 12/3/2018 2:16:24 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.848 ug/l
 RT: 7.30 min Scan# 676
 Delta R.T. -0.04 min
 Lab File: VF060884.D
 Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.3	23.0	34.6





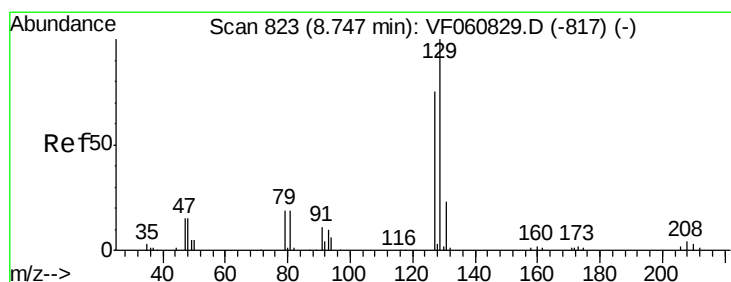
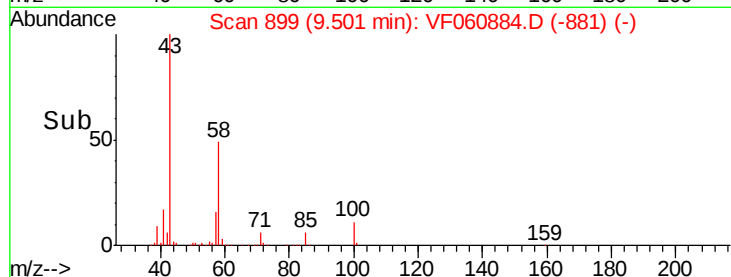
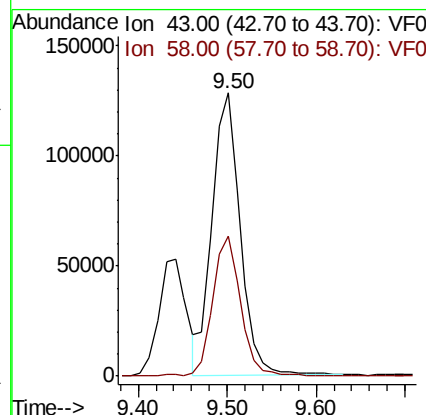
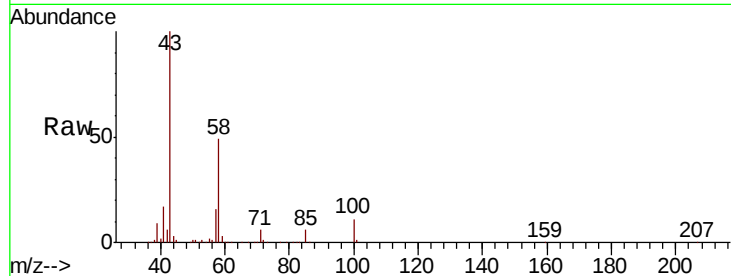
#59
2-Hexanone
Concen: 326.892 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.03 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.4	25.6	76.6

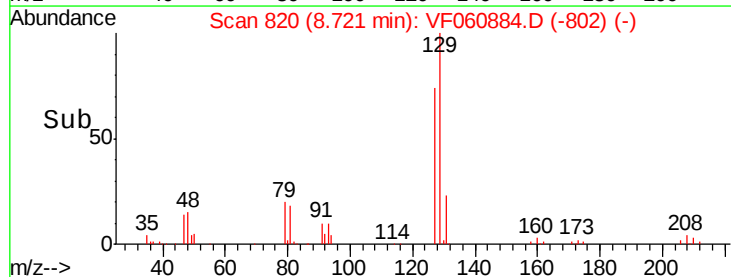
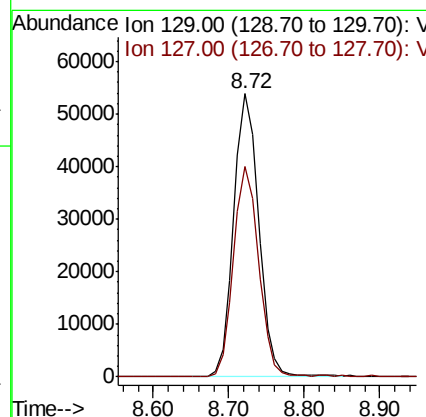
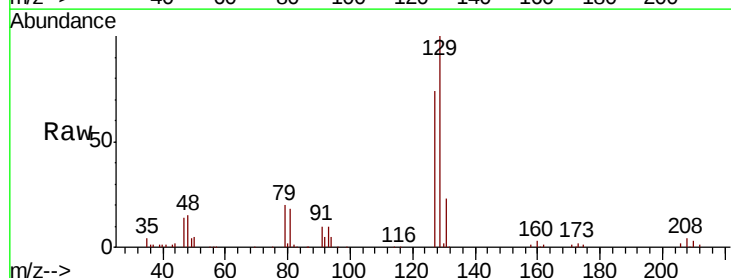
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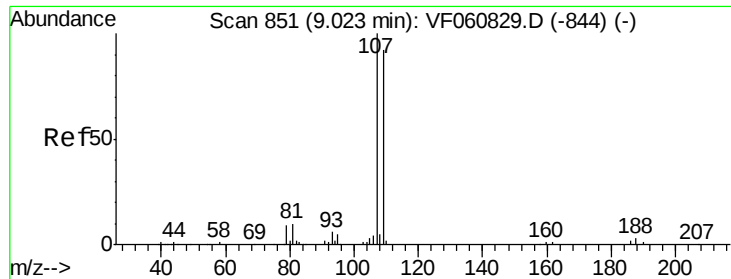
apatel
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#60
Dibromochloromethane
Concen: 56.315 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.03 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.1	37.3	111.9





#61

1,2-Dibromoethane

Concen: 57.770 ug/l

RT: 9.00 min Scan# 848

Delta R.T. -0.03 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MSD

Tot Ion: 107 Resp: 92020

Ion Ratio Lower Upper

107 100

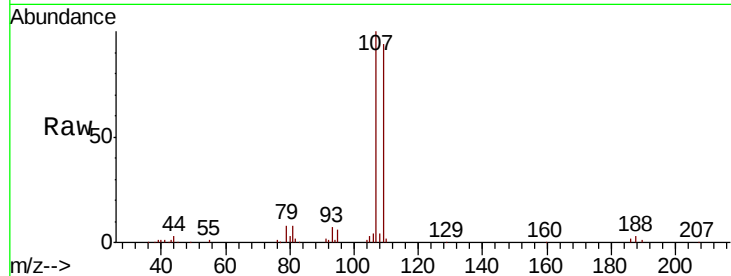
109 93.9 73.6 110.4

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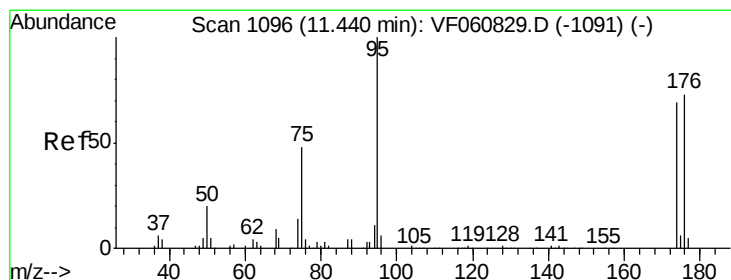
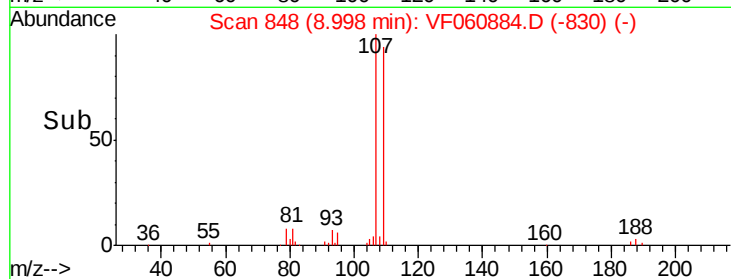
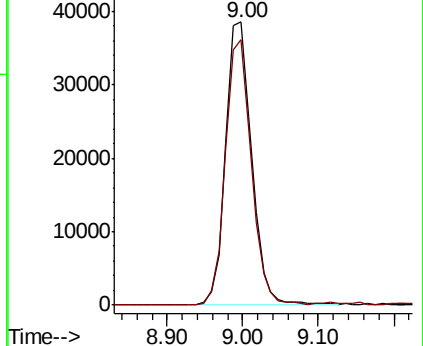
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 52.575 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

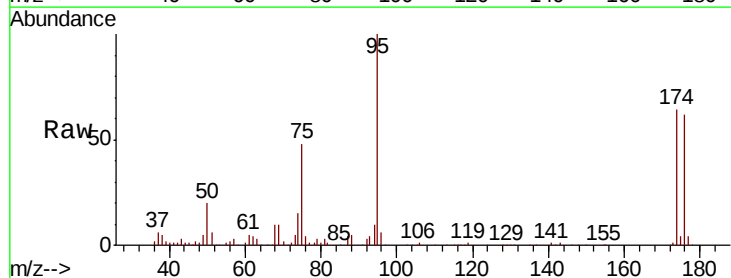
Tgt Ion: 95 Resp: 164165

Ion Ratio Lower Upper

95 100

174 64.1 0.0 138.2

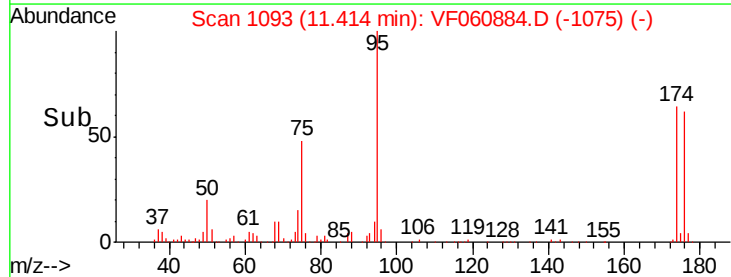
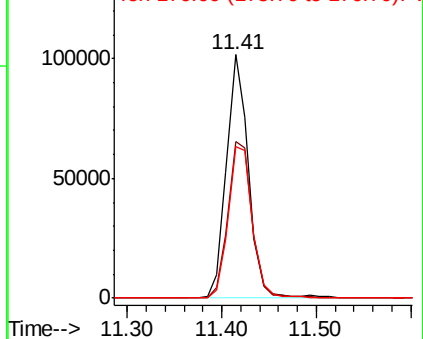
176 62.4 0.0 146.2

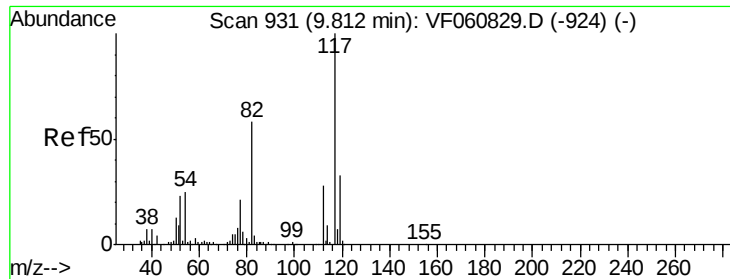


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





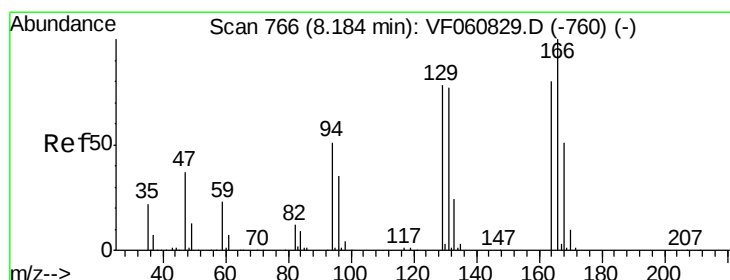
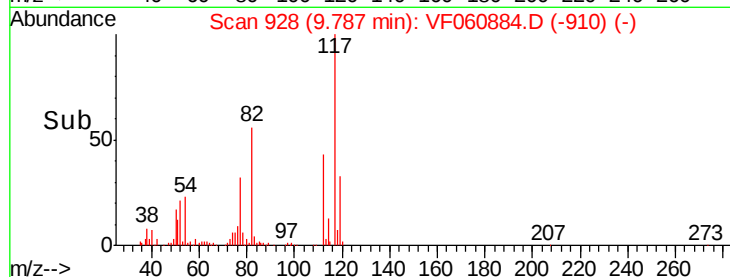
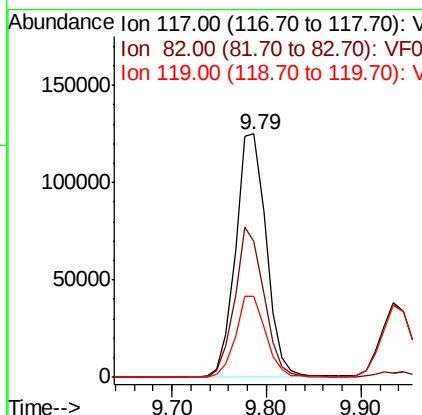
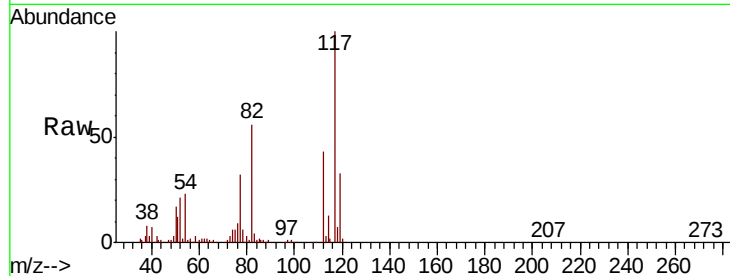
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.6	69.8
119	33.3	26.4	39.6

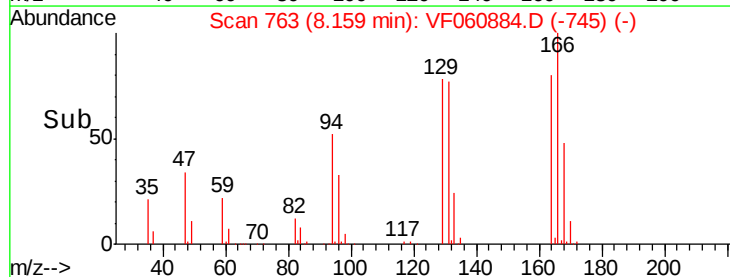
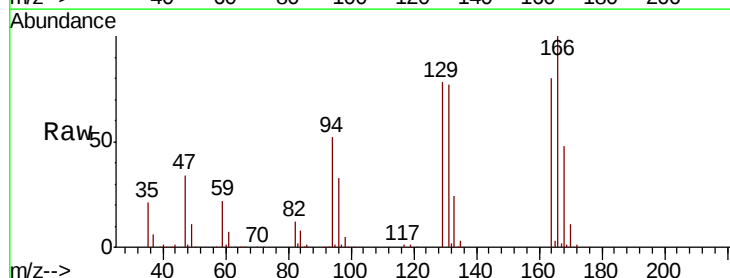
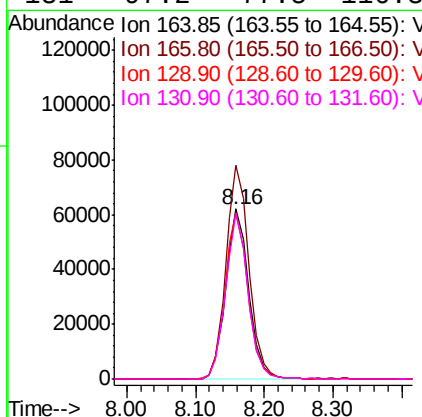
Manual Integrations
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#64
Tetrachloroethene
Concen: 66.353 ug/l
RT: 8.16 min Scan# 763
Delta R.T. -0.03 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	100.3	150.5
129	98.1	77.9	116.9
131	97.2	77.5	116.3





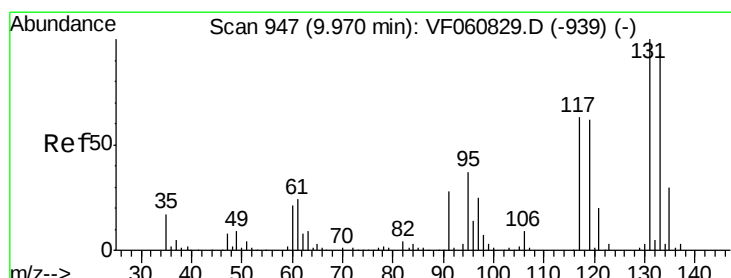
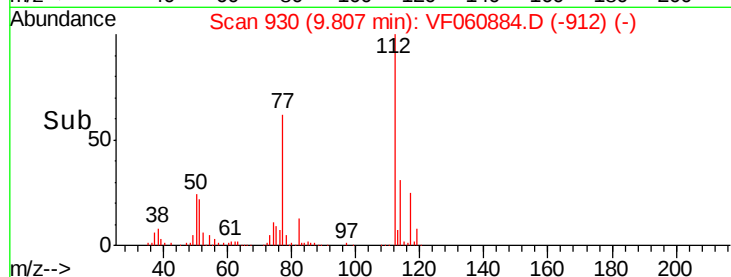
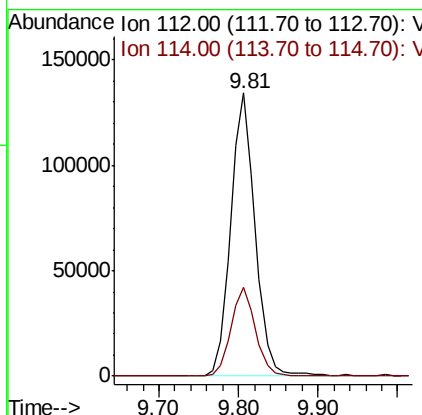
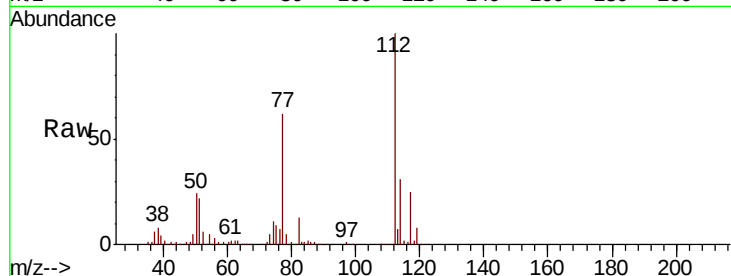
#65
Chlorobenzene
Concen: 52.308 ug/l
RT: 9.81 min Scan# 930
Delta R.T. -0.03 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.0	39.0

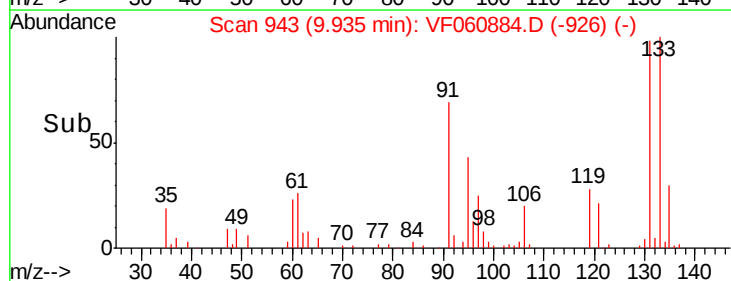
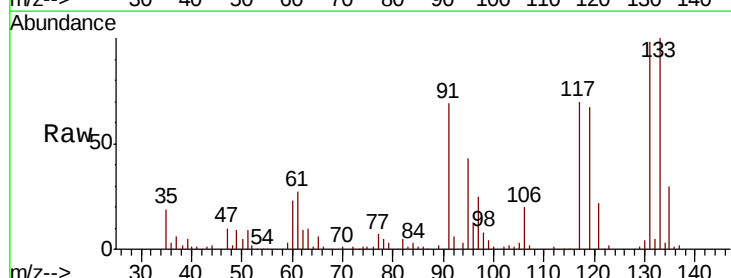
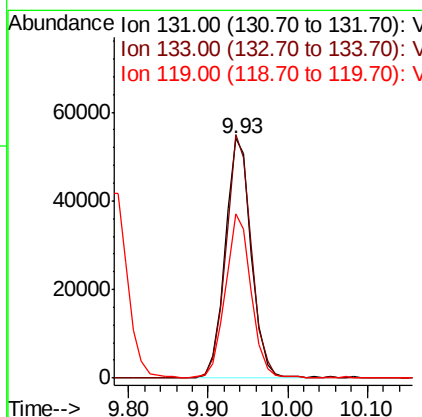
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.526 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.04 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	101.8	46.5	139.3
119	68.5	31.1	93.3





#67

Ethyl Benzene

Concen: 50.349 ug/l

RT: 9.91 min Scan# 940

Delta R.T. -0.03 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MSD

Tot Ion: 91 Resp: 515579

Ion Ratio Lower Upper

91 100

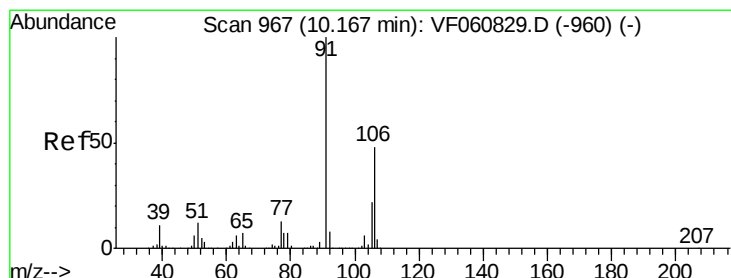
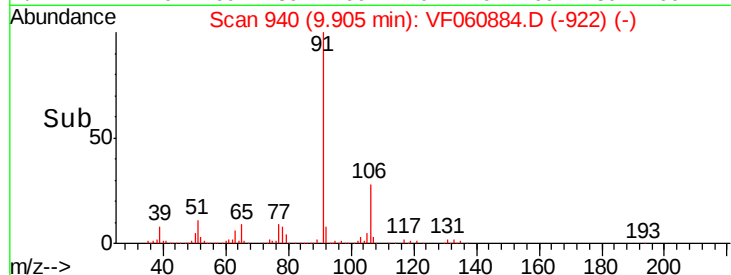
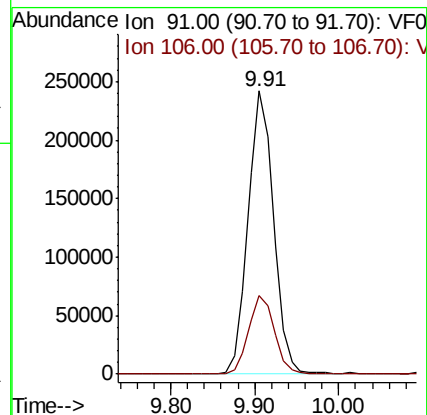
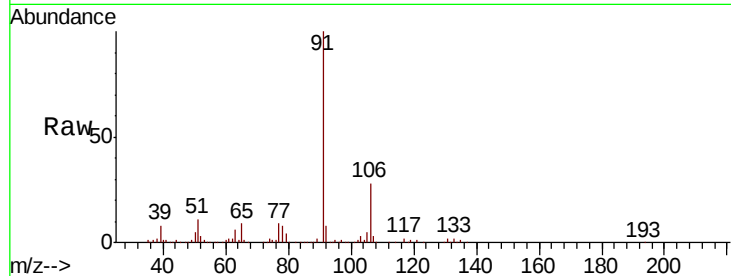
106 27.8 22.2 33.2

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#68

m/p-Xylenes

Concen: 96.445 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.03 min

Lab File: VF060884.D

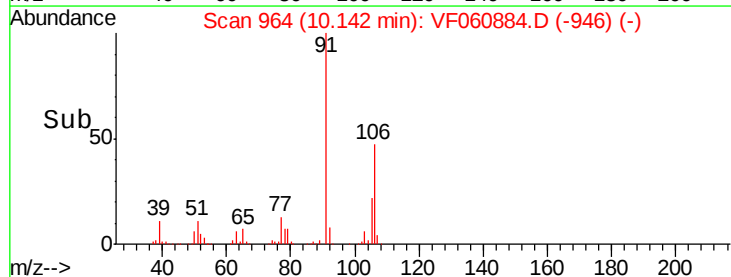
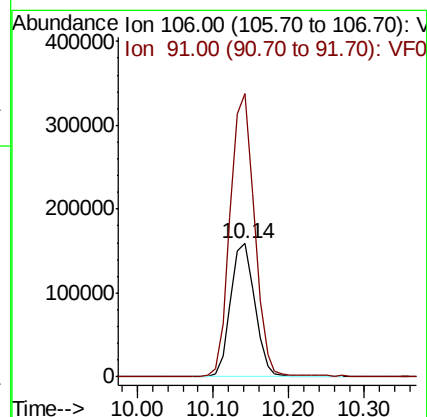
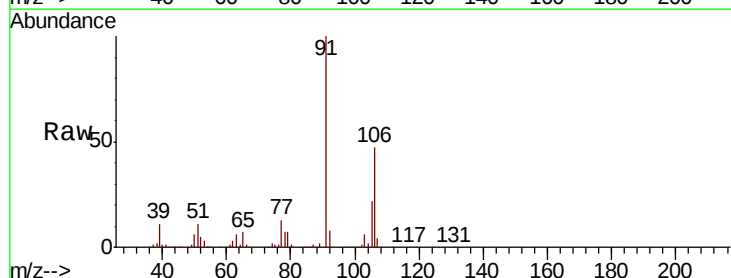
Acq: 29 Nov 2018 23:30

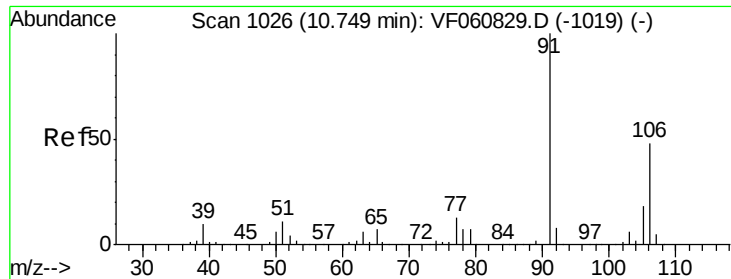
Tgt Ion: 106 Resp: 355202

Ion Ratio Lower Upper

106 100

91 212.6 166.7 250.1





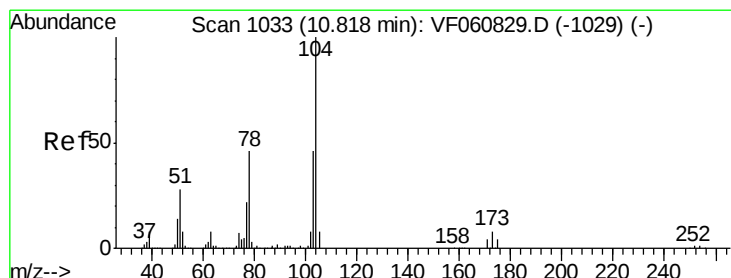
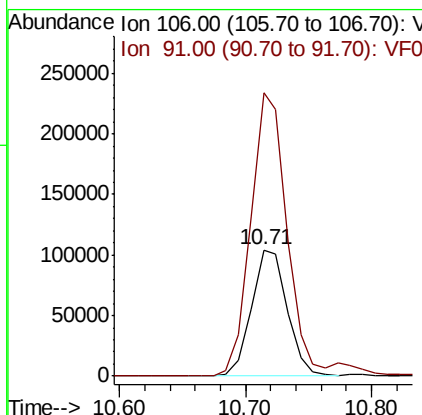
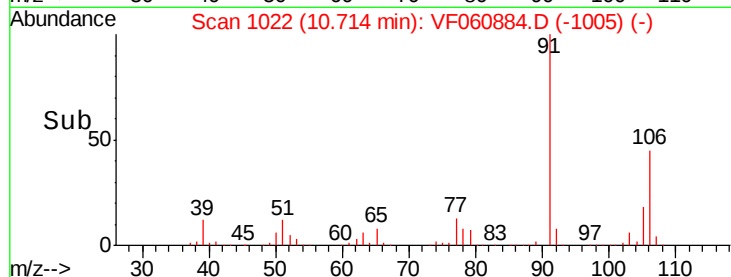
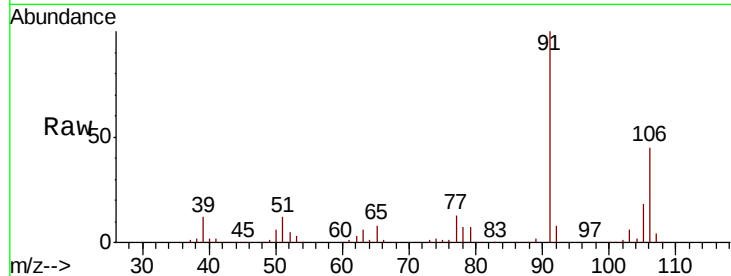
#69
o-Xylene
Concen: 50.770 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.04 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion:106 Resp: 206188
Ion Ratio Lower Upper
106 100
91 223.8 104.8 314.6

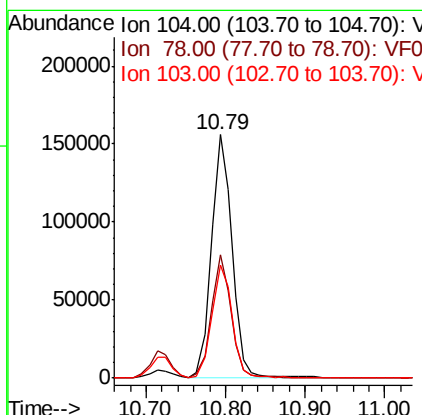
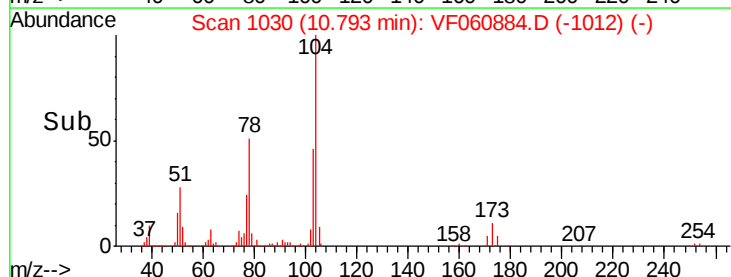
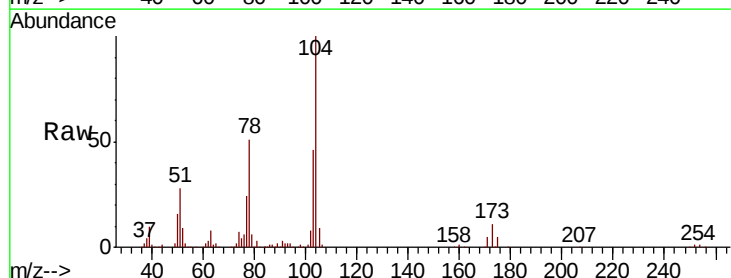
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#70
Styrene
Concen: 50.600 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.03 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tgt Ion:104 Resp: 284864
Ion Ratio Lower Upper
104 100
78 50.6 37.3 55.9
103 46.2 36.8 55.2





#71

Bromoform

Concen: 57.081 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.03 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Instrument :

MSVOA_F

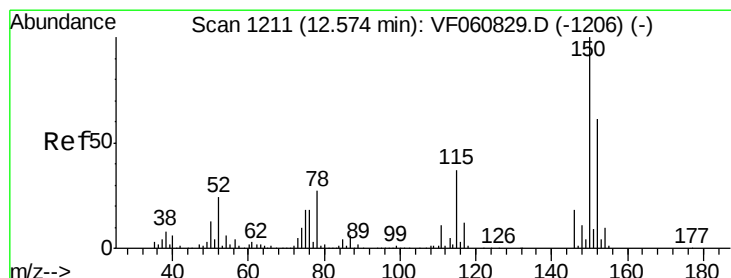
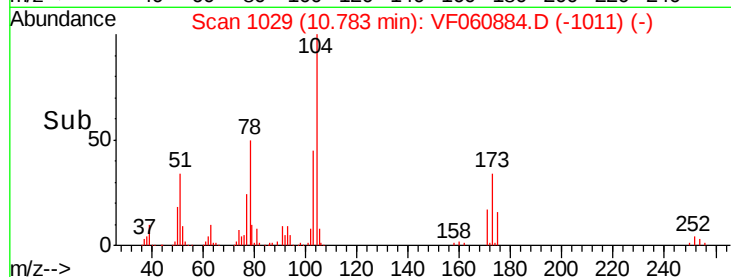
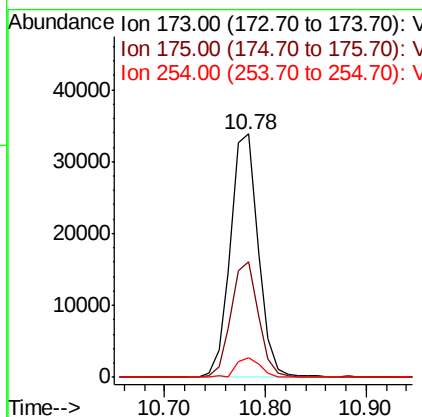
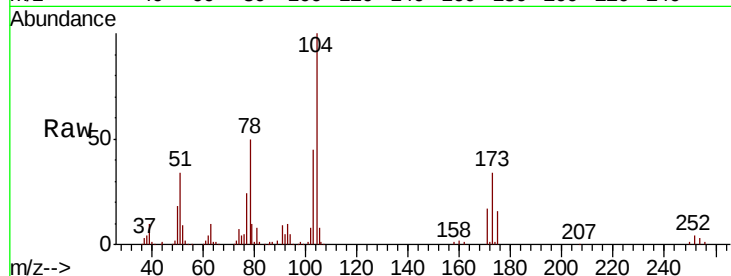
ClientSampleId :

S49-0483MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100		65196		
175	47.3	25.5	76.5		
254	8.1	7.5	11.3		

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

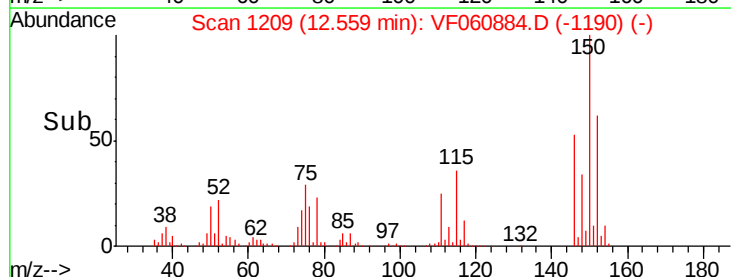
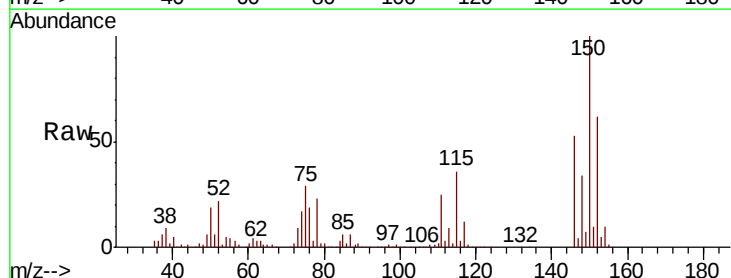
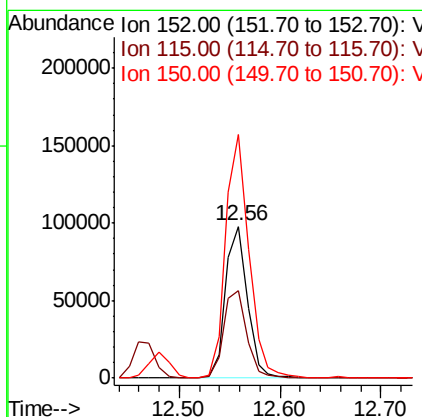
RT: 12.56 min Scan# 1209

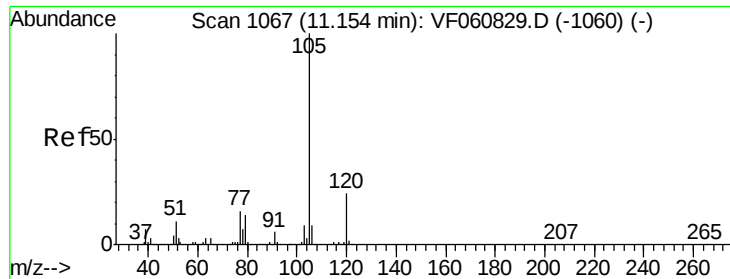
Delta R.T. -0.02 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100		149826		
115	57.5	30.1	90.5		
150	160.5	0.0	327.6		





#73

Isopropylbenzene

Concen: 51.525 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.03 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MSD

Tot Ion: 105 Resp: 610063

Ion Ratio Lower Upper

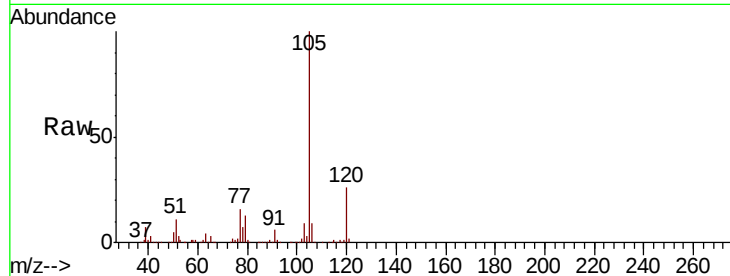
105 100

120 26.1 12.2 36.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.13

400000

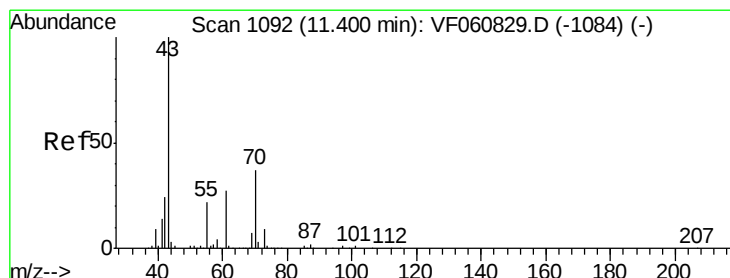
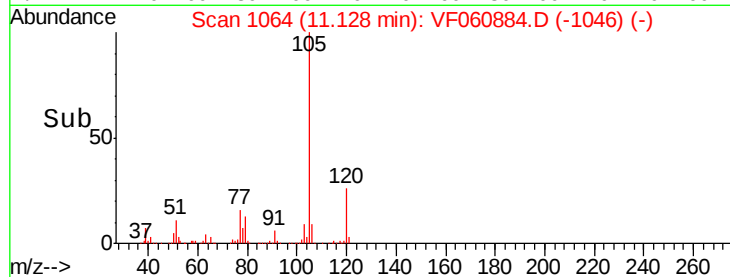
300000

200000

100000

0

Time--> 11.00 11.20



#74

N-ethyl acetate

Concen: 58.454 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.03 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Tgt Ion: 43 Resp: 159815

Ion Ratio Lower Upper

43 100

70 36.2 29.6 44.4

55 20.4 17.2 25.8

61 24.0 21.8 32.6

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

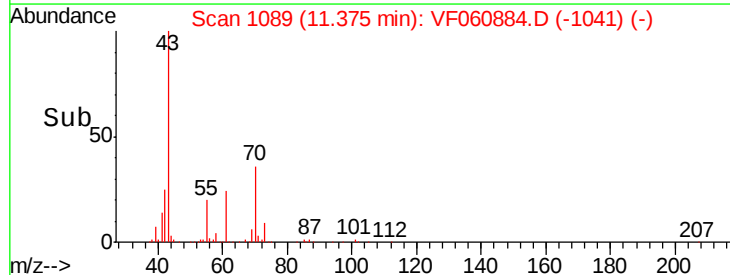
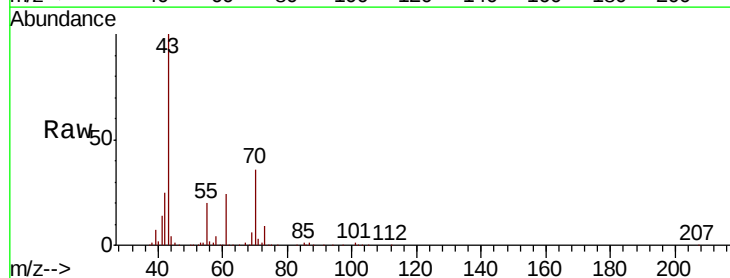
150000

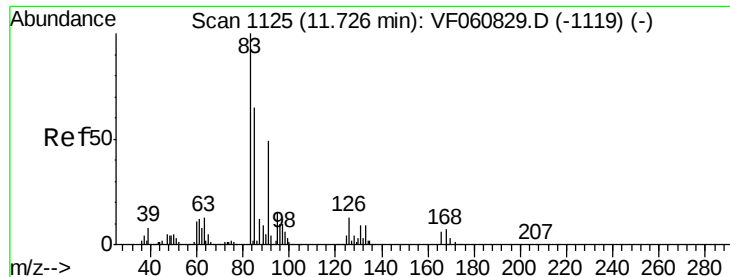
100000

50000

0

Time--> 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 61.042 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Instrument :

MSVOA_F

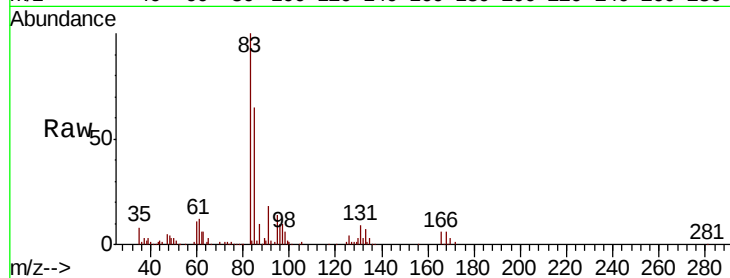
ClientSampleId :

S49-0483MSD

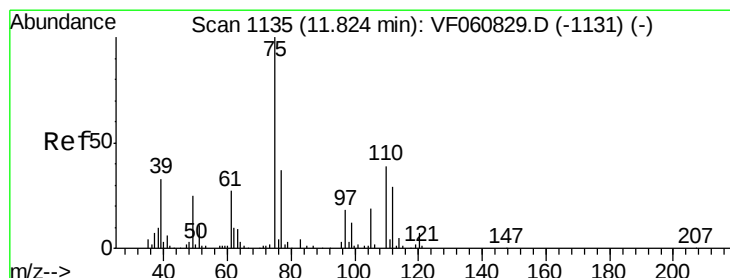
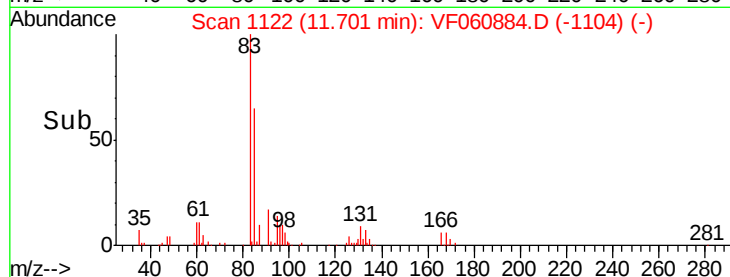
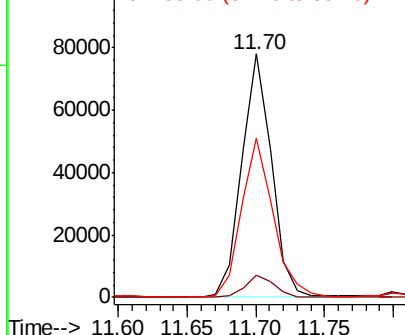
Tot Ion:	83	Resp:	118948
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.7	14.1
85	65.3	32.6	97.8

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



#76

1,2,3-Trichloropropane

Concen: 62.197 ug/l

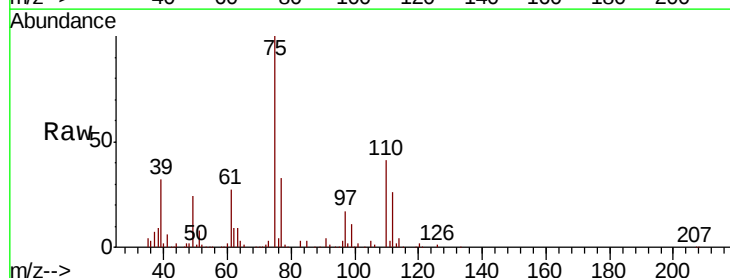
RT: 11.80 min Scan# 1132

Delta R.T. -0.03 min

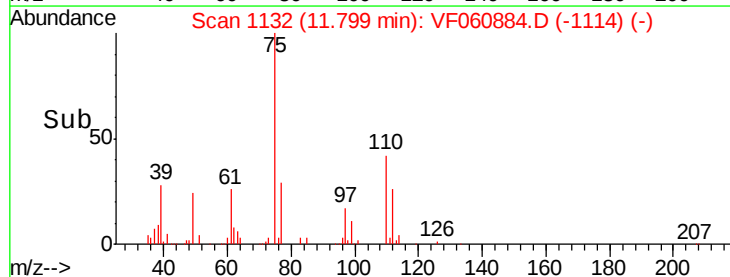
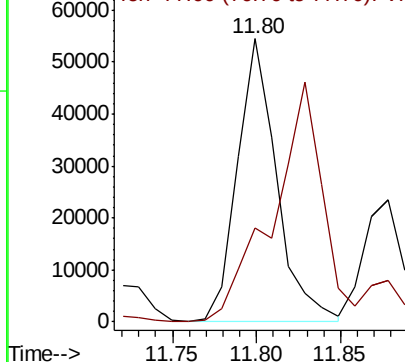
Lab File: VF060884.D

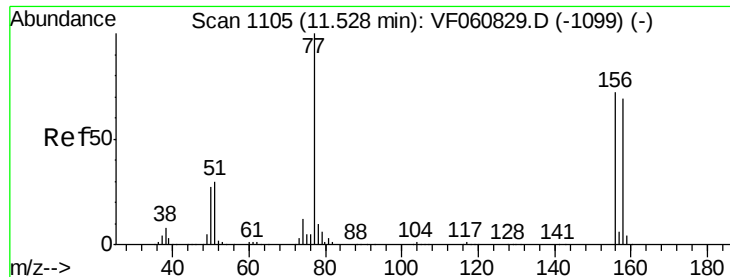
Acq: 29 Nov 2018 23:30

Tgt Ion:	75	Resp:	88094
Ion Ratio	Lower	Upper	
75	100		
77	33.2	18.4	55.4



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





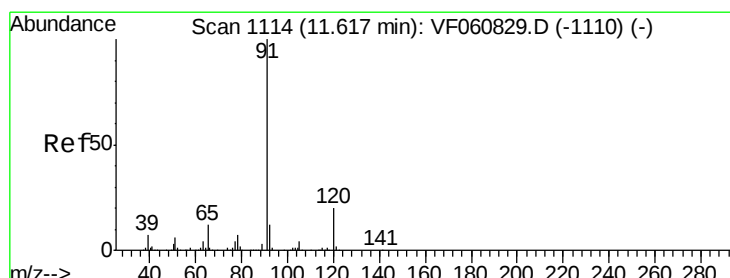
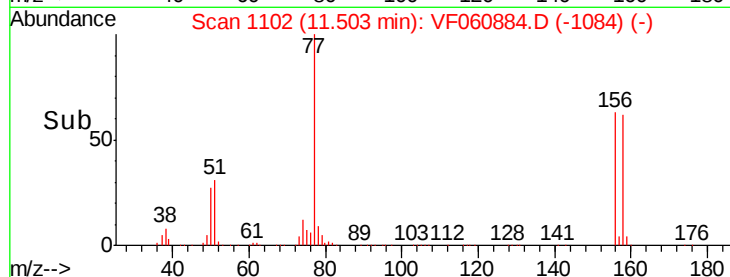
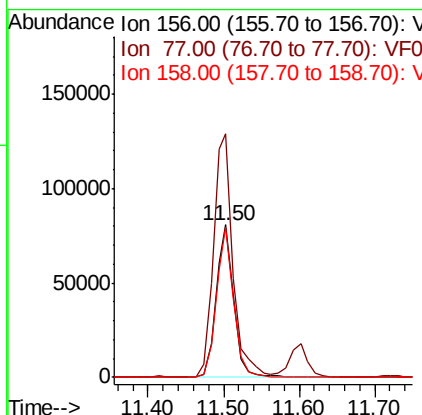
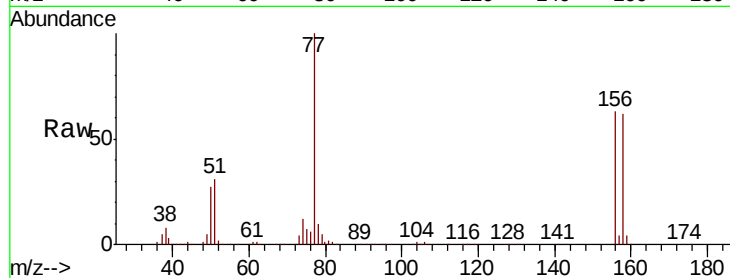
#77
Bromobenzene
Concen: 50.696 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. -0.03 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	160.0	69.7	209.0		
158	98.7	47.8	143.4		

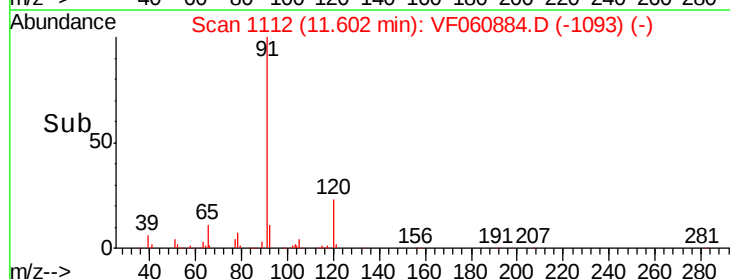
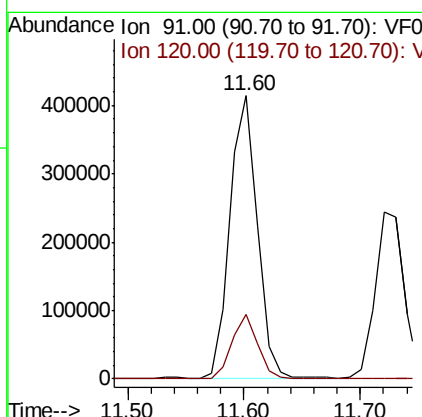
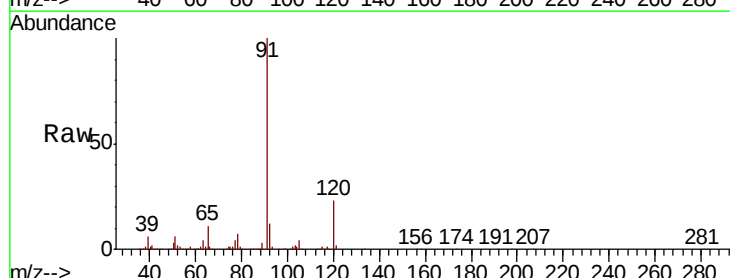
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#78
n-propylbenzene
Concen: 48.788 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. -0.02 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.8	10.3	30.8		





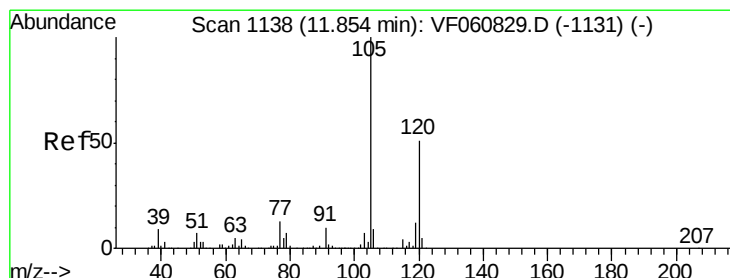
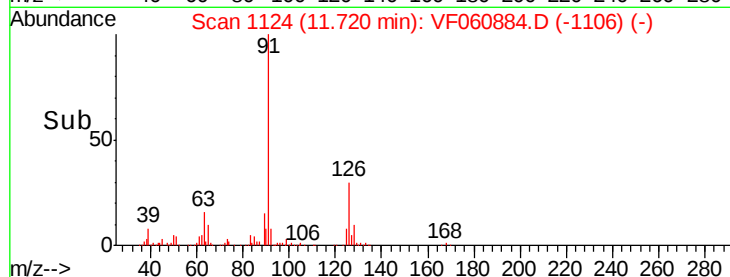
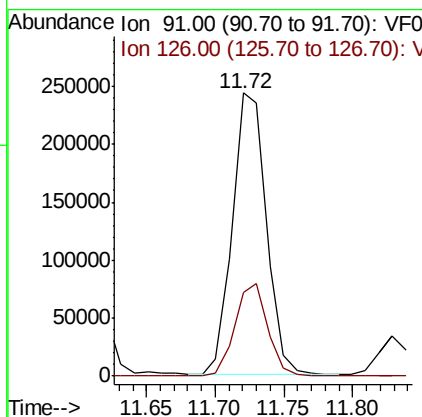
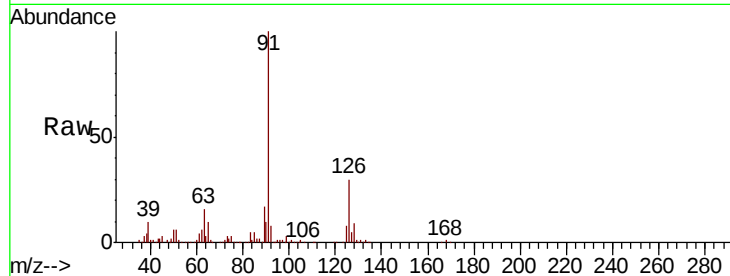
#79
 2-Chlorotoluene
 Concen: 52.297 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. -0.03 min
 Lab File: VF060884.D
 Acq: 29 Nov 2018 23:30

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MSD

Tot Ion	Ratio	Lower	Upper
91	100		
126	29.6	15.9	47.6

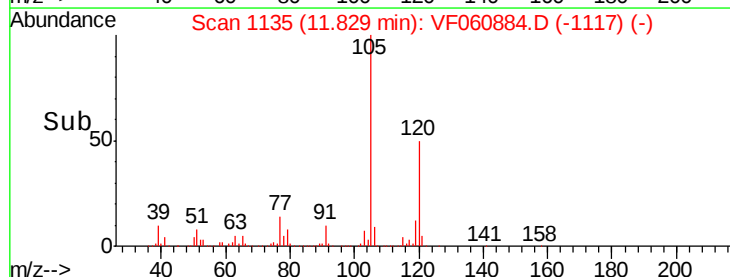
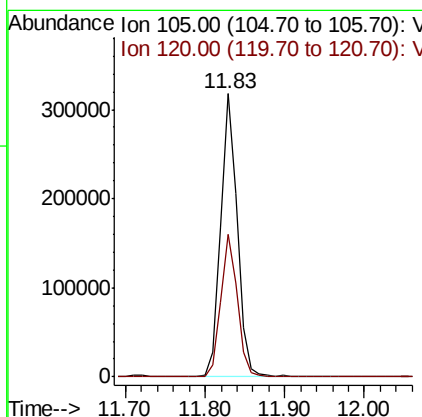
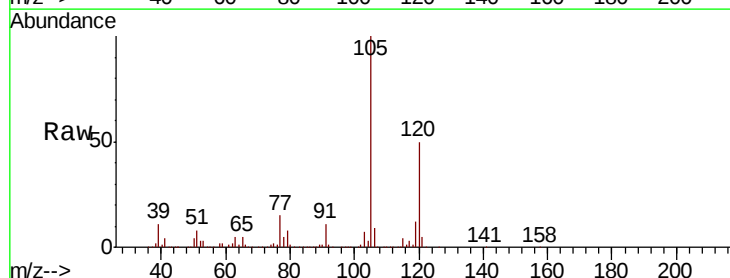
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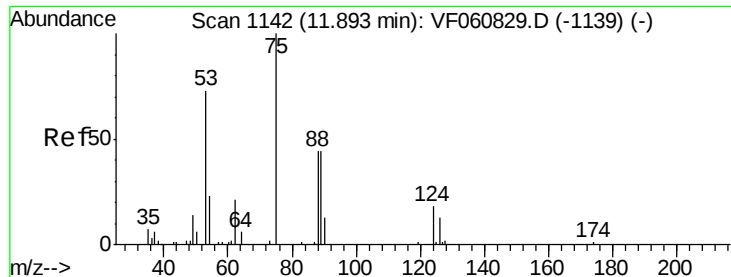
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.986 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. -0.03 min
 Lab File: VF060884.D
 Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.4	25.8	77.3





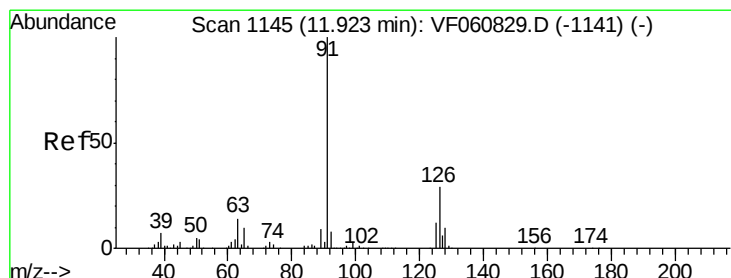
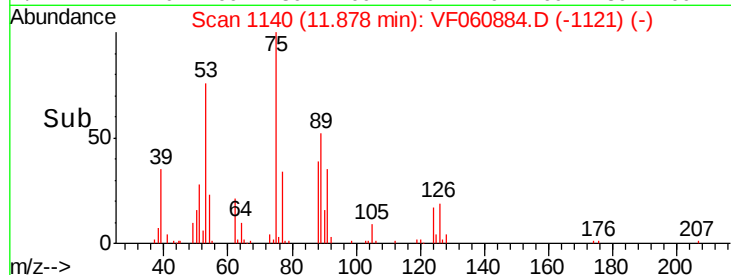
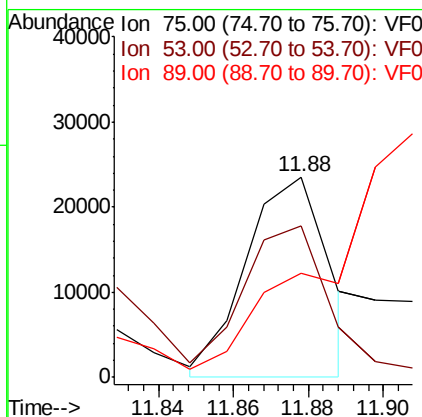
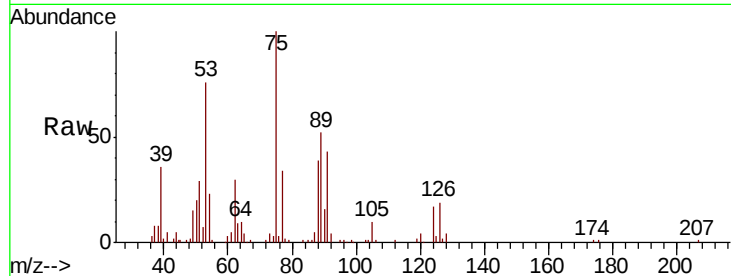
#81
trans-1,4-Dichloro-2-butene
Concen: 51.770 ug/l m
RT: 11.88 min Scan# 1140
Delta R.T. -0.02 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	75.7	65.9	98.9
89	51.9	38.8	58.2

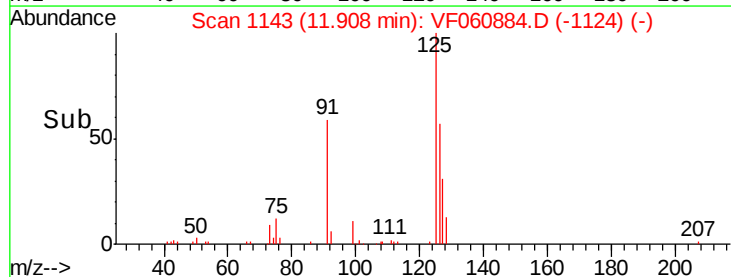
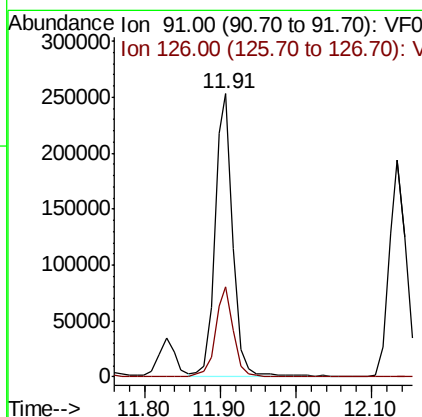
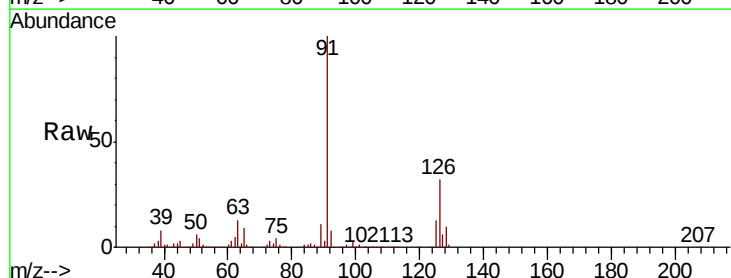
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#82
4-Chlorotoluene
Concen: 49.517 ug/l
RT: 11.91 min Scan# 1143
Delta R.T. -0.02 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	14.8	44.4





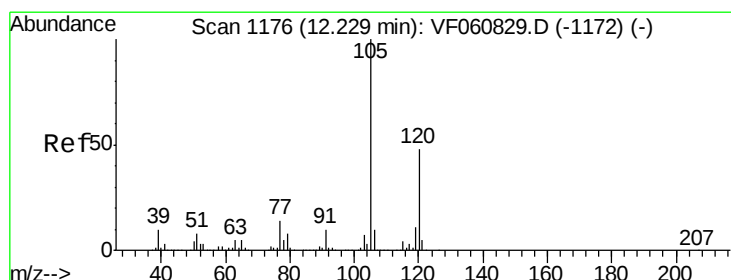
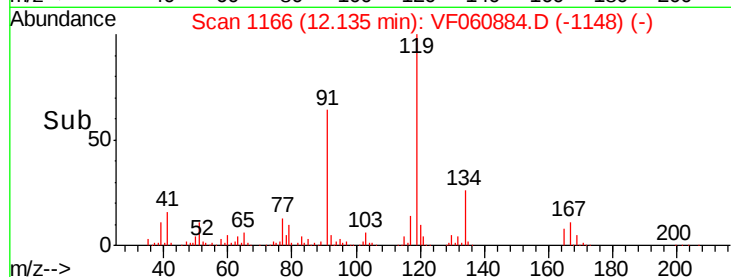
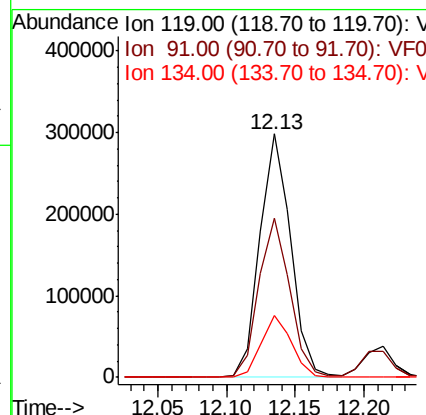
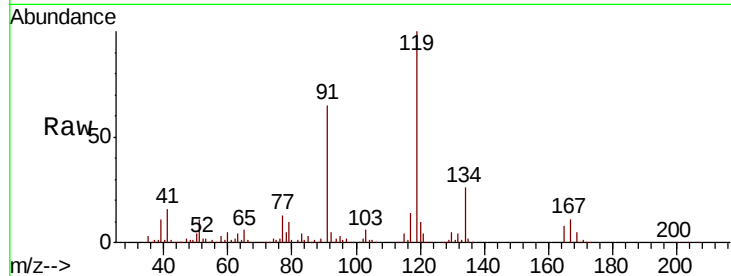
#83
tert-Butylbenzene
Concen: 47.986 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.03 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	469827		
91	65.2	30.1	90.3	
134	25.6	12.6	37.8	

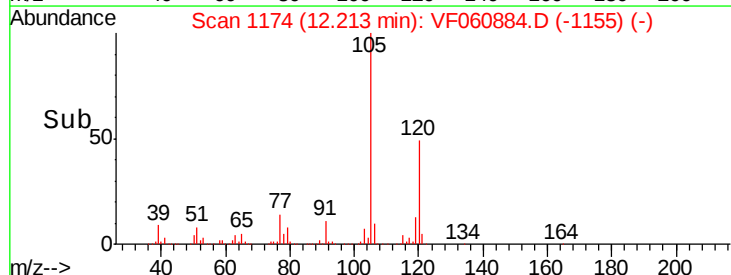
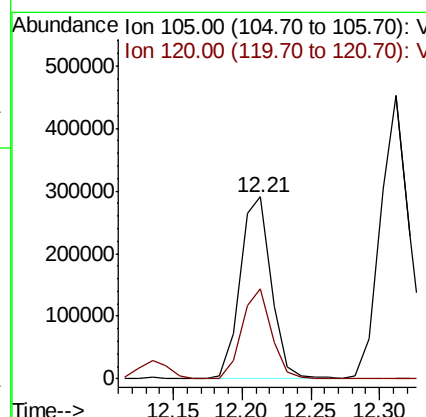
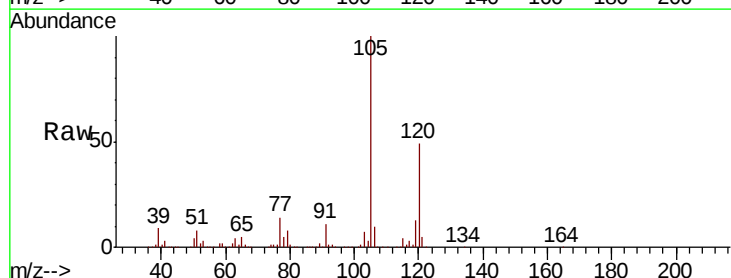
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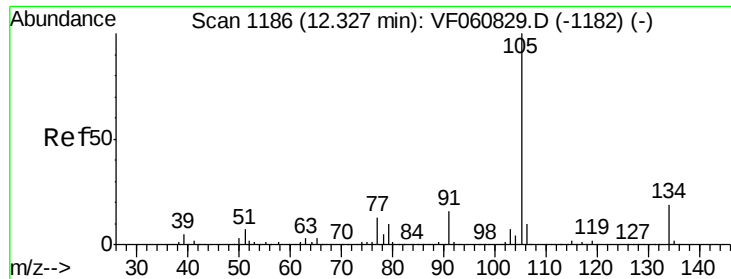
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#84
1,2,4-Trimethylbenzene
Concen: 47.735 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.02 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	457923		
120	49.5	23.8	71.5	





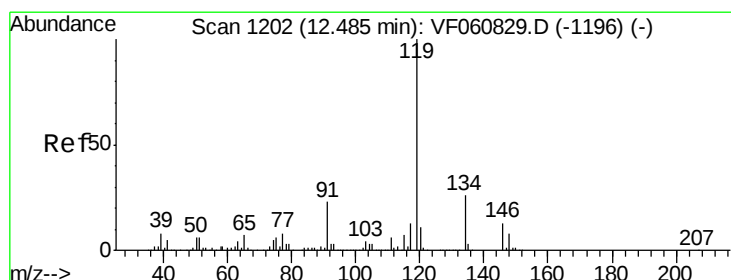
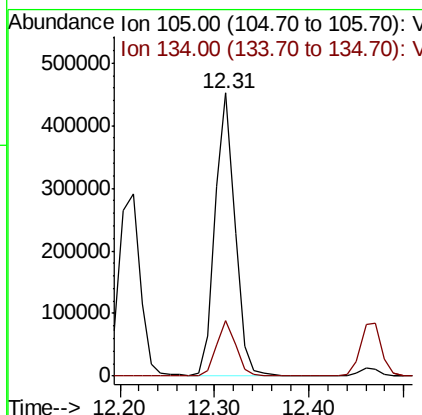
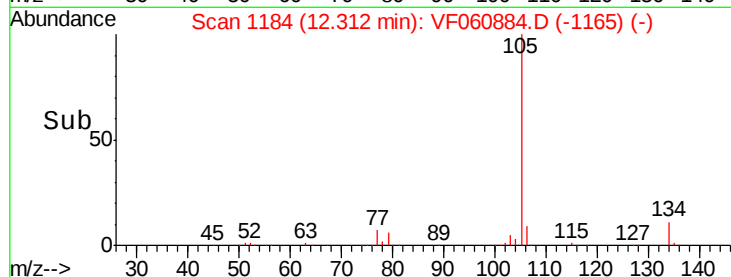
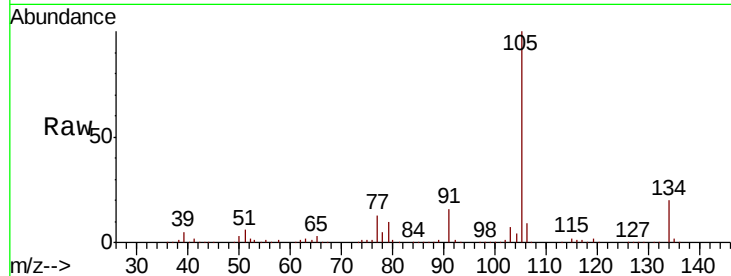
#85
 sec-Butylbenzene
 Concen: 49.144 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: VF060884.D
 Acq: 29 Nov 2018 23:30

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MSD

Tot Ion	Ratio	Resp	Lower	Upper
105	100	658691		
134	19.6	9.5	28.5	

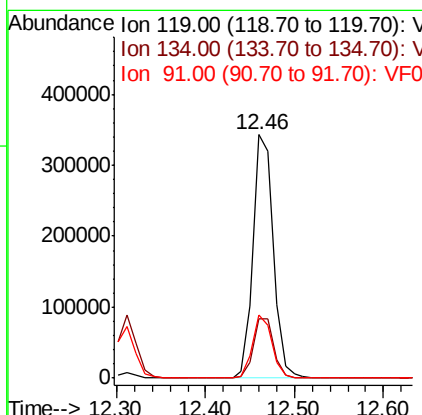
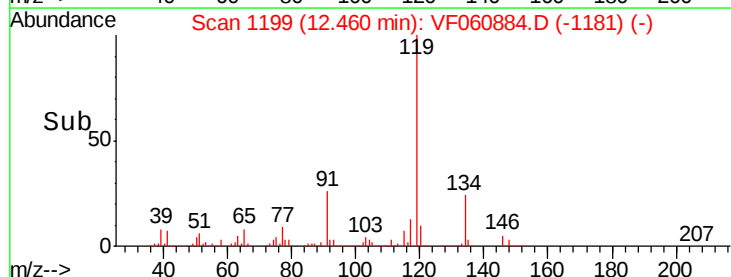
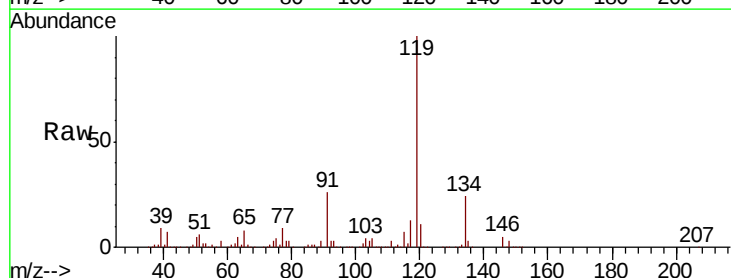
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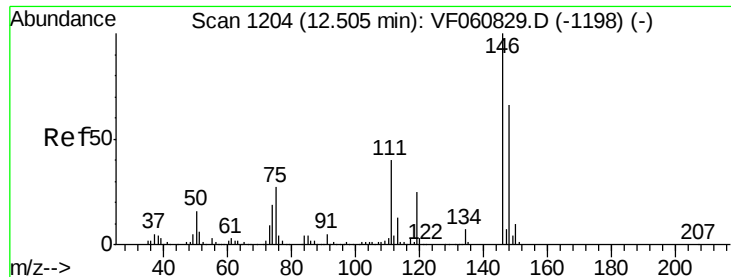
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#86
 p-Isopropyltoluene
 Concen: 47.717 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF060884.D
 Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	536213		
134	24.2	12.9	38.6	
91	26.0	11.8	35.3	





#87

1,3-Dichlorobenzene

Concen: 48.395 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. -0.03 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Instrument :

MSVOA_F

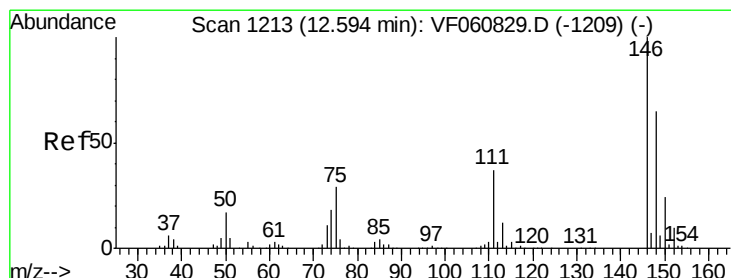
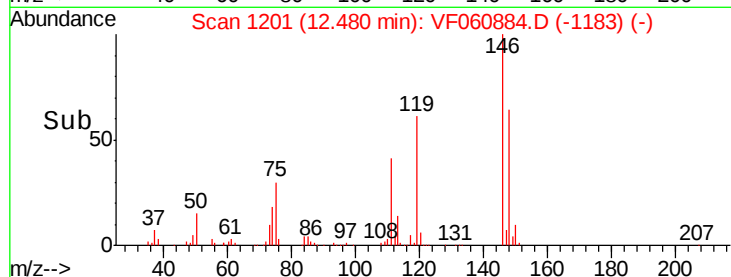
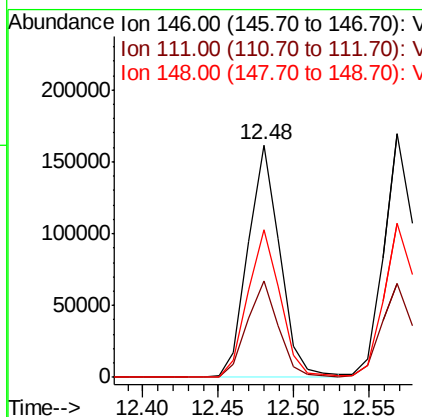
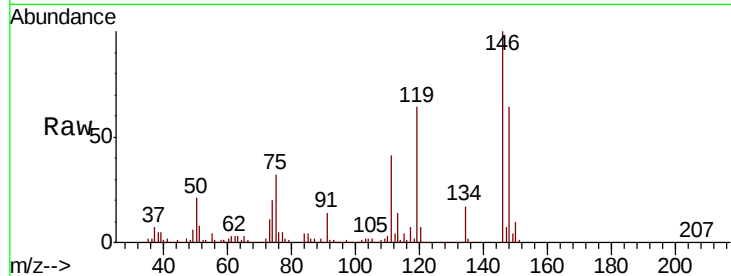
ClientSampleId :

S49-0483MSD

Tot Ion:	146	Resp:	238957
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.0	59.9
148	63.6	32.9	98.6

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#88

1,4-Dichlorobenzene

Concen: 51.547 ug/l

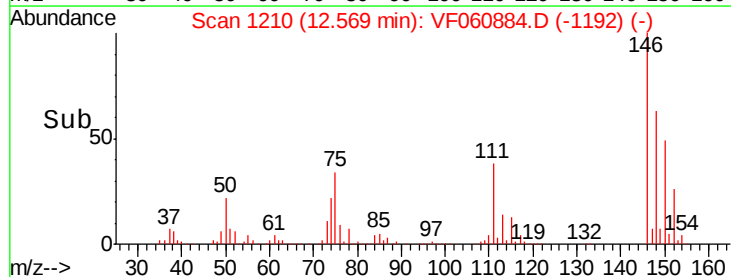
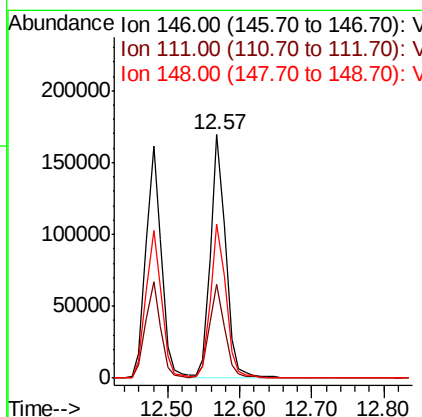
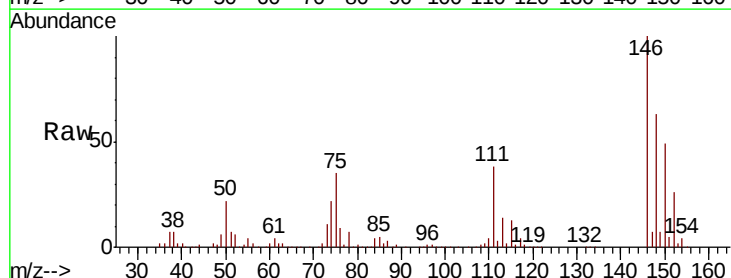
RT: 12.57 min Scan# 1210

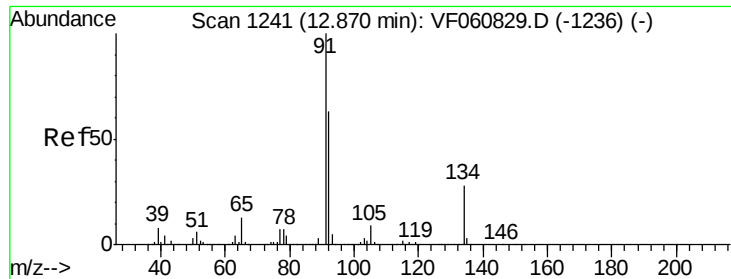
Delta R.T. -0.03 min

Lab File: VF060884.D

Acq: 29 Nov 2018 23:30

Tgt Ion:	146	Resp:	248034
Ion Ratio	Lower	Upper	
146	100		
111	38.5	18.9	56.7
148	63.1	32.3	96.9





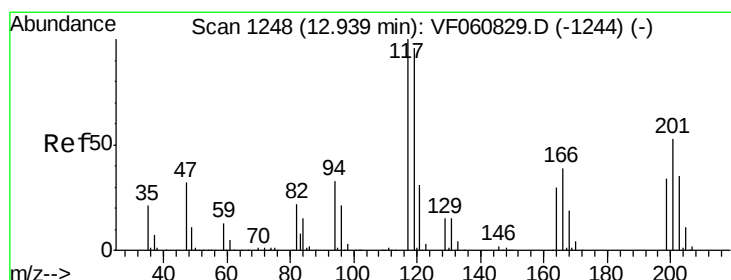
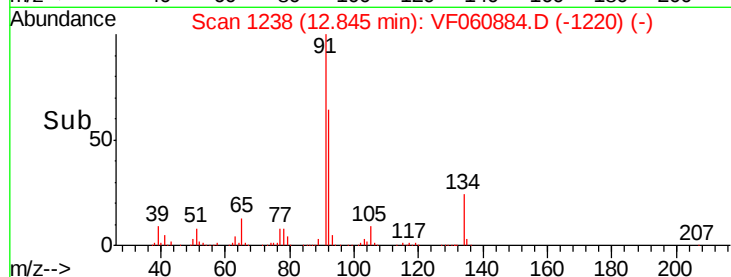
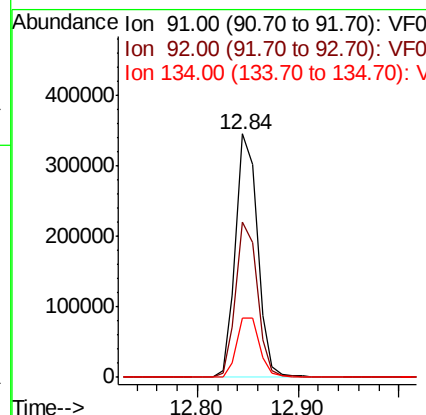
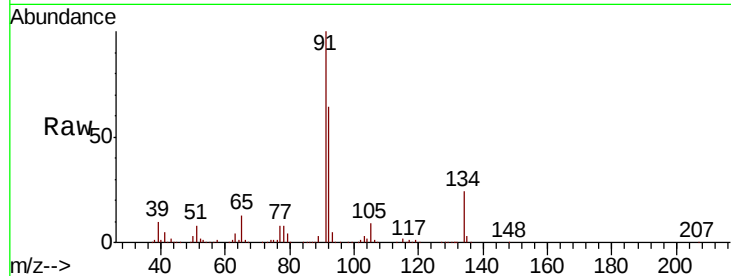
#89
n-Butylbenzene
Concen: 46.234 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.03 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.6	31.6	94.7
134	24.3	13.8	41.4

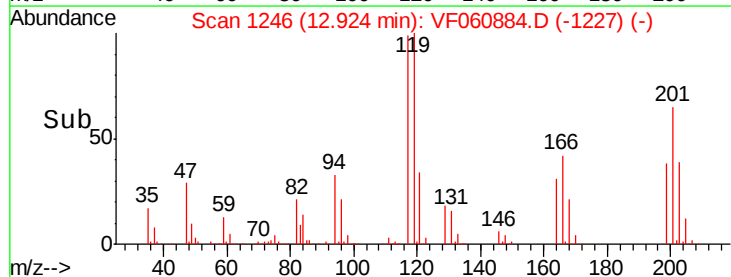
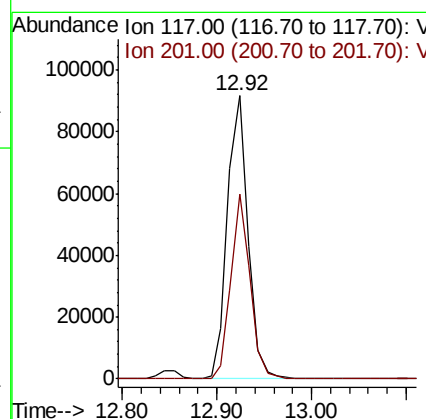
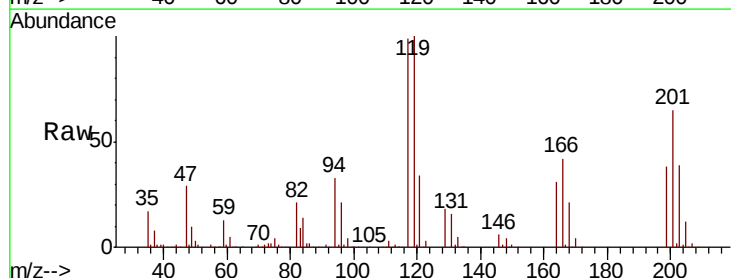
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#90
Hexachloroethane
Concen: 51.246 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.02 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.1	26.7	80.1





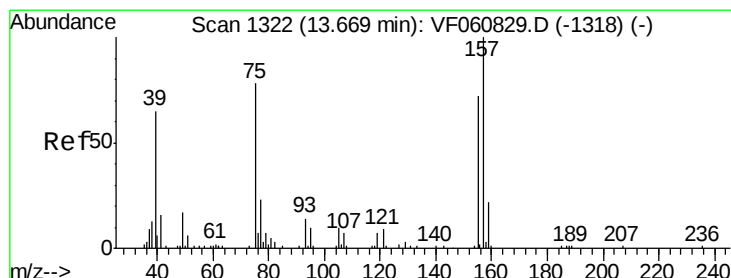
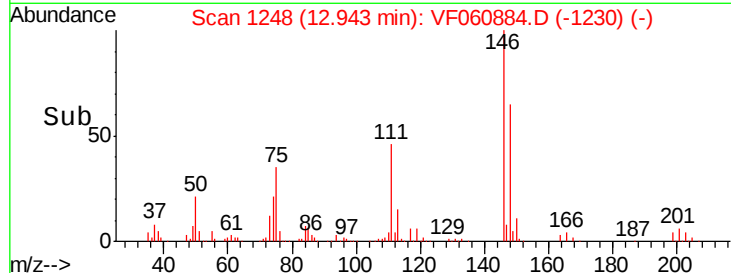
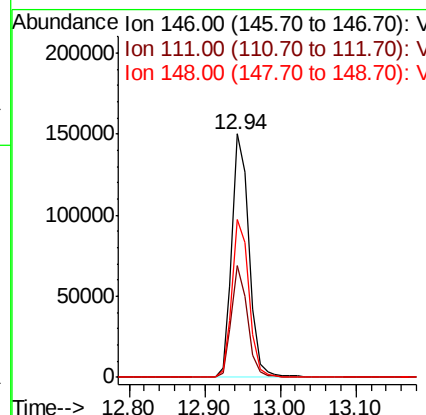
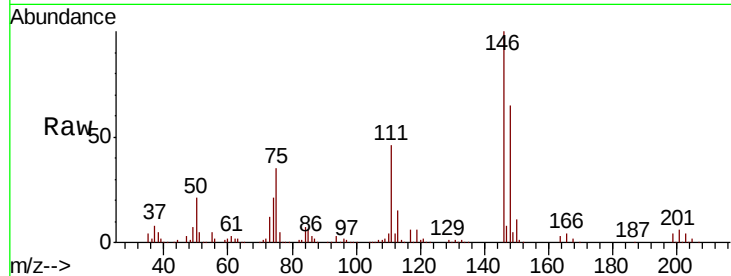
#91
 1,2-Dichlorobenzene
 Concen: 50.277 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.03 min
 Lab File: VF060884.D
 Acq: 29 Nov 2018 23:30

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.1	21.2	63.6
148	64.9	32.5	97.5

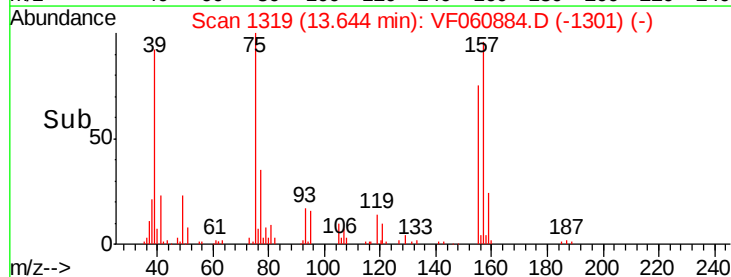
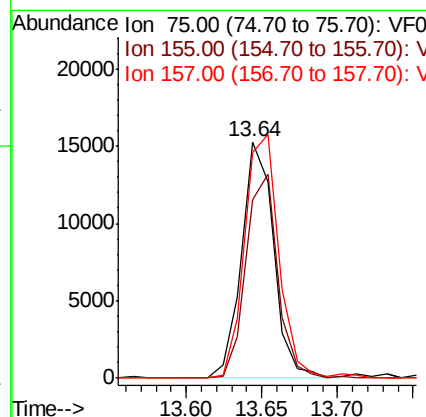
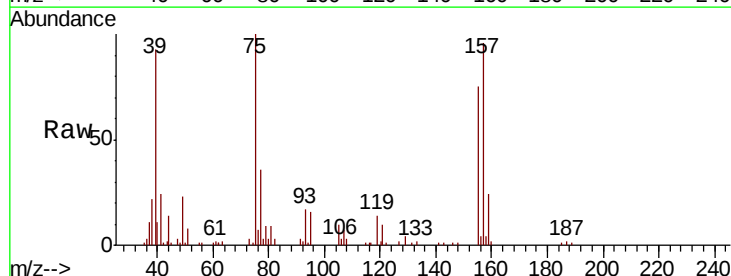
Manual Integrations
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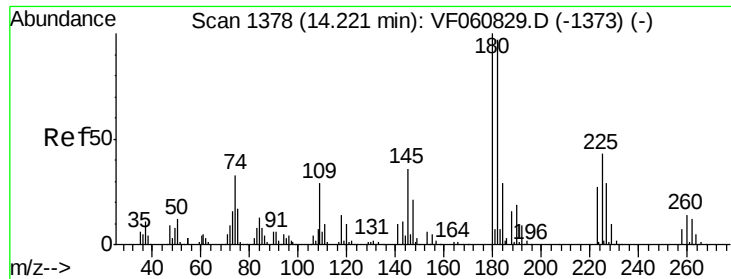
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.794 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.03 min
 Lab File: VF060884.D
 Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.3	45.6	136.9
157	95.8	63.8	191.5





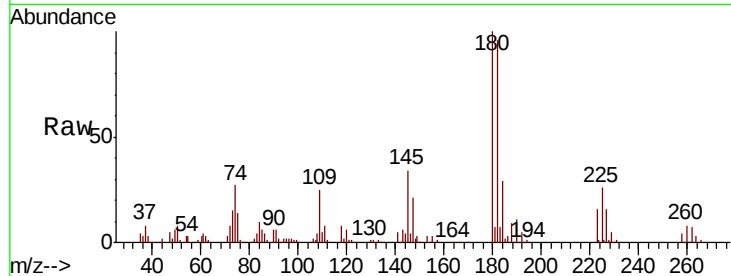
#93
 1,2,4-Trichlorobenzene
 Concen: 49.182 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VF060884.D
 Acq: 29 Nov 2018 23:30

Instrument :
 MSVOA_F
 ClientSampleID :
 S49-0483MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	160684		
182	96.2	48.5	145.5	
145	34.1	18.1	54.3	

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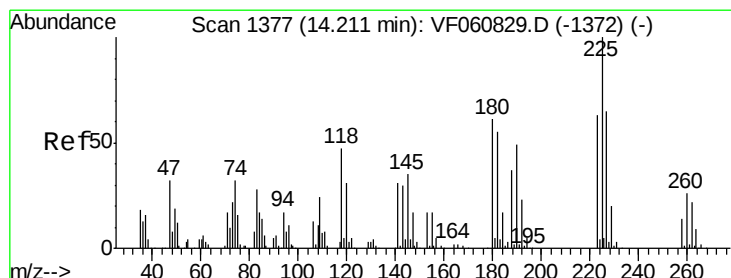
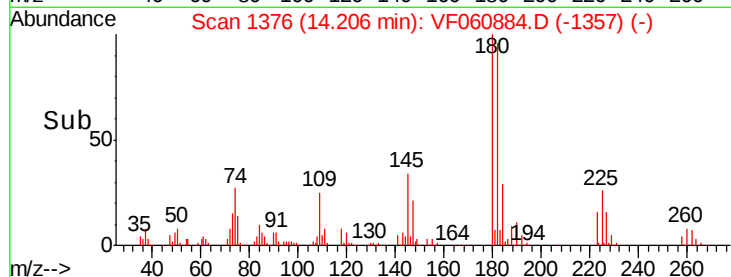
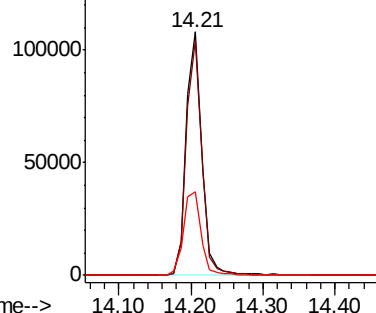


Abundance

Ion 180.00 (179.70 to 180.70): V

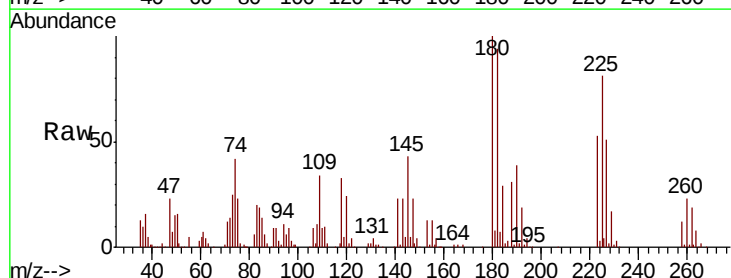
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 42.384 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF060884.D
 Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	92309		
223	66.1	31.4	94.3	
227	63.6	32.5	97.5	

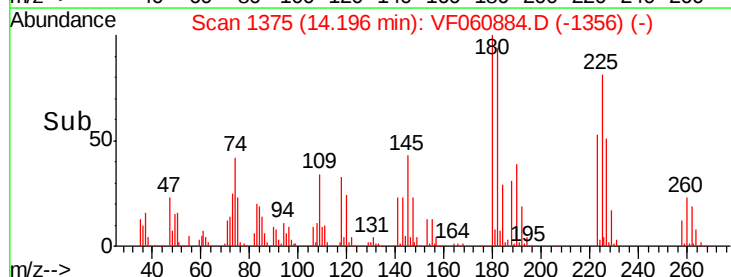
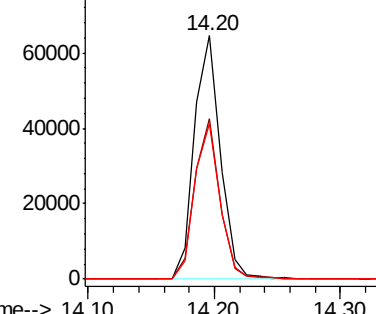


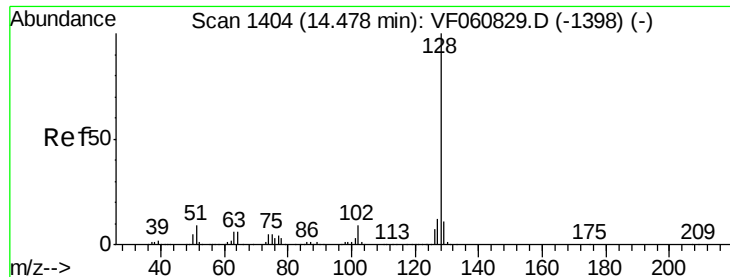
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





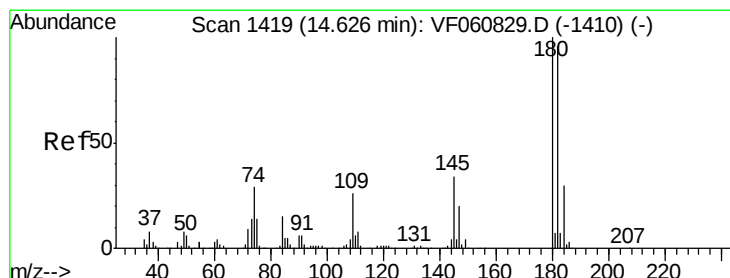
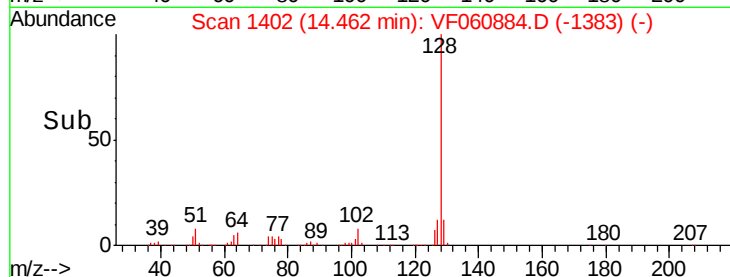
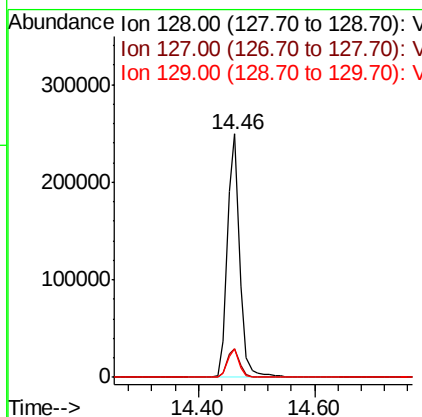
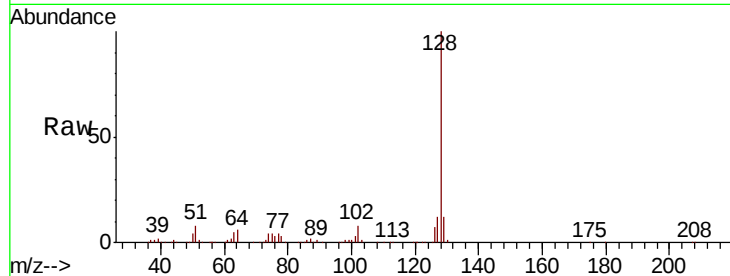
#95
Naphthalene
Concen: 58.535 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.9	14.9
129	11.5	9.1	13.7

Manual Integrations
APPROVED

apatel
12/3/2018 2:16:24 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.784 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.02 min
Lab File: VF060884.D
Acq: 29 Nov 2018 23:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.2	47.9	143.8
145	33.6	17.2	51.5

