

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060907.D
 Acq On : 3 Dec 2018 22:41
 Operator : VA/AP
 Sample : J6139-02MS
 Misc : 6.92g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MS

Manual Integrations
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 12/4/2018 2:52:32 PM

Quant Time: Dec 04 04:19:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	135528	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.61	114	245283	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.80	117	233288	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	119898	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	109401	68.52	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	137.04%	
35) Dibromofluoromethane	4.14	113	106431	54.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.40%	
50) Toluene-d8	7.58	98	307440	53.64	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	107.28%	
62) 4-Bromofluorobenzene	11.42	95	138468	53.15	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	106.30%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	101786	50.229	ug/l	99
3) Chloromethane	1.12	50	66615	50.518	ug/l	96
4) Vinyl Chloride	1.15	62	101676	82.664	ug/l	98
5) Bromomethane	1.34	94	45467	52.423	ug/l	91
6) Chloroethane	1.39	64	28484	53.573	ug/l	94
7) Trichlorofluoromethane	1.51	101	139279	52.776	ug/l	92
8) Diethyl Ether	1.64	74	20594	54.268	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.83	101	72305	54.195	ug/l	95
10) Methyl Iodide	1.91	142	107573	53.046	ug/l	94
11) Tert butyl alcohol	2.58	59	27363	418.093	ug/l #	92
12) 1,1-Dichloroethene	1.80	96	55981	52.167	ug/l	98
13) Acrolein	2.01	56	3605m	58.137	ug/l	
14) Allyl chloride	2.10	41	72204	53.983	ug/l	98
15) Acrylonitrile	2.96	53	54151	369.059	ug/l	92
16) Acetone	2.25	43	144751	491.655	ug/l	94
17) Carbon Disulfide	1.86	76	144980	50.387	ug/l	98
18) Methyl Acetate	2.36	43	47401	97.536	ug/l	96
19) Methyl tert-butyl Ether	2.45	73	146938	60.794	ug/l	100
20) Methylene Chloride	2.25	84	65212m	60.377	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	88310	85.359	ug/l	89
22) Diisopropyl ether	2.81	45	204897	56.278	ug/l	98
23) Vinyl Acetate	3.21	43	414371	248.985	ug/l	99
24) 1,1-Dichloroethane	2.89	63	120178	55.480	ug/l	98
25) 2-Butanone	4.35	43	175228	344.100	ug/l	100
26) 2,2-Dichloropropane	3.62	77	64398	45.857	ug/l	95
27) cis-1,2-Dichloroethene	3.49	96	380648	225.999	ug/l	97
28) Bromochloromethane	3.74	49	64537	62.080	ug/l	91
29) Tetrahydrofuran	4.10	42	77514	359.098	ug/l	96
30) Chloroform	3.88	83	183440	55.024	ug/l	98
31) Cyclohexane	3.72	56	108953	48.466	ug/l	98
32) 1,1,1-Trichloroethane	4.12	97	129411	55.972	ug/l	95
36) 1,1-Dichloropropene	4.30	75	121926	44.816	ug/l	94
37) Ethyl Acetate	4.13	43	70935	64.161	ug/l	85
38) Carbon Tetrachloride	4.02	117	117877	49.055	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	114118	40.026	ug/l	97
40) Benzene	4.66	78	265404	44.158	ug/l	98
41) Methacrylonitrile	4.77	41	38826	69.328	ug/l	93
42) 1,2-Dichloroethane	4.96	62	122611	55.878	ug/l	97
43) Isopropyl Acetate	6.99	43	88299	65.579	ug/l #	100
44) Trichloroethene	5.53	130	243354	123.833	ug/l	95
45) 1,2-Dichloropropane	6.26	63	78339	50.186	ug/l	93
46) Dibromomethane	6.11	93	58023	54.795	ug/l	95
47) Bromodichloromethane	6.40	83	144467	51.367	ug/l	96
48) Methyl methacrylate	6.74	41	60403	60.358	ug/l	90
49) 1,4-Dioxane	6.73	88	8253	1126.825	ug/l	93
51) 4-Methyl-2-Pentanone	8.28	43	319413	313.297	ug/l	98
52) Toluene	7.65	92	185473	43.933	ug/l	91
53) t-1,3-Dichloropropene	8.30	75	120495	52.671	ug/l	91
54) cis-1,3-Dichloropropene	7.32	75	142486	50.311	ug/l	96
55) 1,1,2-Trichloroethane	8.51	97	69196	56.249	ug/l	97
56) Ethyl methacrylate	8.64	69	80860	59.171	ug/l	97
57) 1,3-Dichloropropane	8.88	76	120261	55.877	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.32	63	41297	295.445	ug/l	94
59) 2-Hexanone	9.51	43	244697	342.111	ug/l	98
60) Dibromochloromethane	8.74	129	97219	53.041	ug/l	99
61) 1,2-Dibromoethane	9.01	107	71557	53.845	ug/l	100
64) Tetrachloroethene	8.18	164	110199	61.845	ug/l	98
65) Chlorobenzene	9.82	112	217142	47.846	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.95	131	90962	46.622	ug/l	94
67) Ethyl Benzene	9.92	91	385767	45.658	ug/l	98
68) m/p-Xylenes	10.15	106	265154	87.257	ug/l	93
69) o-Xylene	10.73	106	158452	47.286	ug/l	90
70) Styrene	10.80	104	228524	49.197	ug/l	98
71) Bromoform	10.79	173	56484	59.936	ug/l #	93
73) Isopropylbenzene	11.14	105	448850	47.372	ug/l	100
74) N-amyl acetate	11.38	43	138744	63.414	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.71	83	97917	62.792	ug/l	97
76) 1,2,3-Trichloropropane	11.81	75	72115	63.624	ug/l	96
77) Bromobenzene	11.51	156	102949	49.560	ug/l	89
78) n-propylbenzene	11.61	91	516032	46.506	ug/l	98
79) 2-Chlorotoluene	11.73	91	312241	49.077	ug/l	94
80) 1,3,5-Trimethylbenzene	11.84	105	357337	46.456	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.89	75	33072m	59.552	ug/l	
82) 4-Chlorotoluene	11.92	91	311841	46.575	ug/l	97
83) tert-Butylbenzene	12.14	119	344632	43.985	ug/l	93
84) 1,2,4-Trimethylbenzene	12.22	105	356659	46.460	ug/l	98
85) sec-Butylbenzene	12.32	105	486167	45.326	ug/l	98
86) p-Isopropyltoluene	12.47	119	405884	45.135	ug/l	97
87) 1,3-Dichlorobenzene	12.49	146	184307	46.645	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	180014	46.749	ug/l	97
89) n-Butylbenzene	12.85	91	395241	43.467	ug/l	97
90) Hexachloroethane	12.93	117	100628	46.470	ug/l	88
91) 1,2-Dichlorobenzene	12.95	146	183947	49.159	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	21011	69.691	ug/l	73

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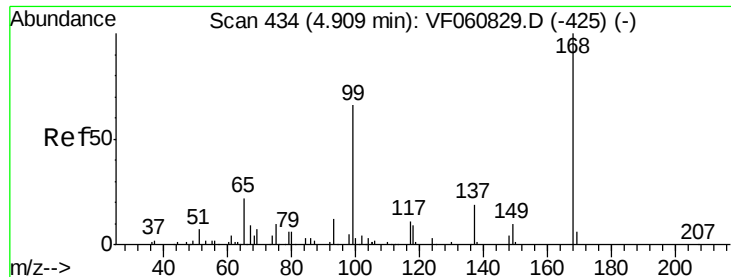
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	118355	45.268	ug/l	98
94) Hexachlorobutadiene	14.21	225	69082	39.636	ug/l	96
95) Naphthalene	14.47	128	279951	55.556	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	116319	47.915	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion:168 Resp: 135528

Ion Ratio Lower Upper

168 100

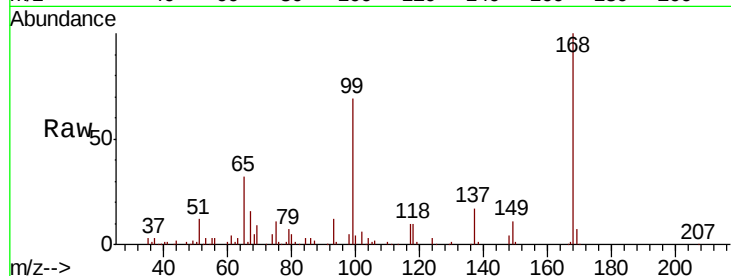
99 68.5 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

50000

40000

30000

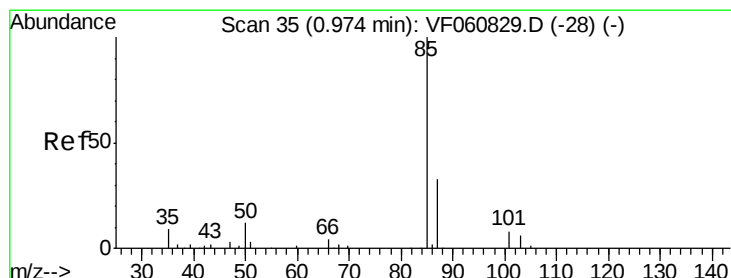
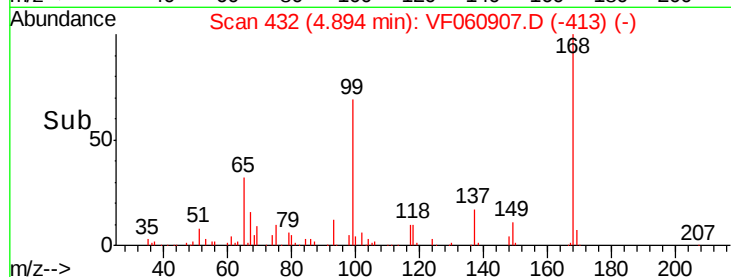
20000

10000

0

4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.229 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060907.D

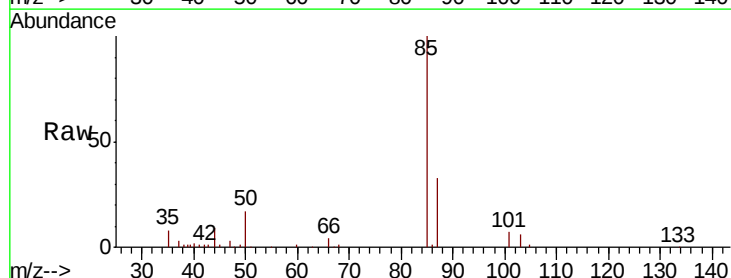
Acq: 3 Dec 2018 22:41

Tgt Ion: 85 Resp: 101786

Ion Ratio Lower Upper

85 100

87 32.6 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

30000

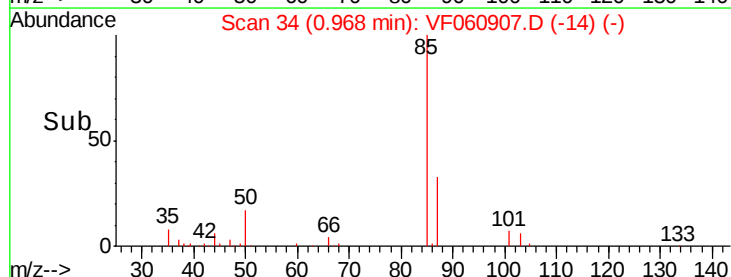
20000

10000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 50.518 ug/l

RT: 1.12 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion: 50 Resp: 66615

Ion Ratio Lower Upper

50 100

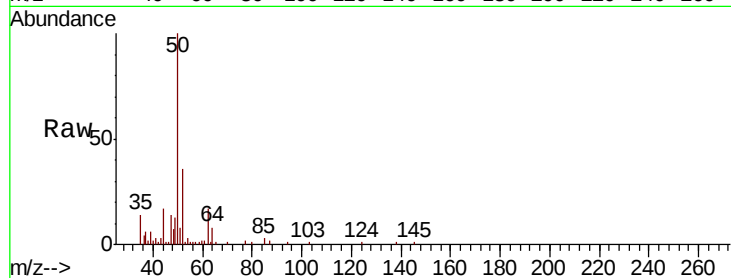
52 35.7 27.0 40.4

Manual Integrations

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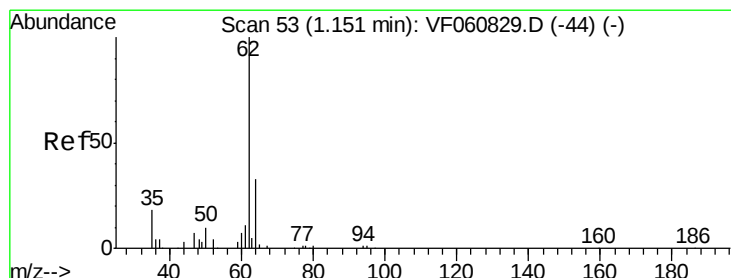
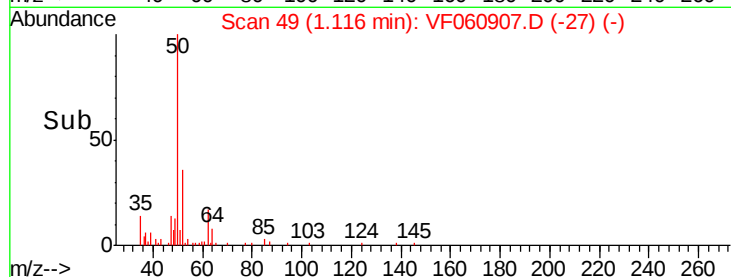
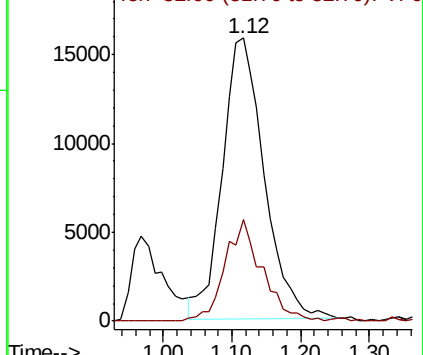
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 82.664 ug/l

RT: 1.15 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060907.D

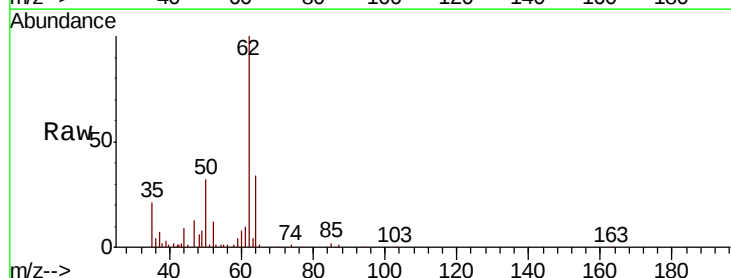
Acq: 3 Dec 2018 22:41

Tgt Ion: 62 Resp: 101676

Ion Ratio Lower Upper

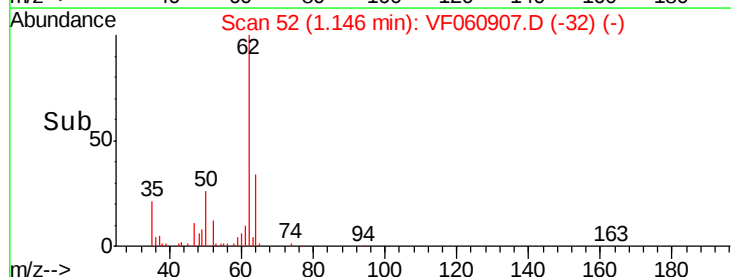
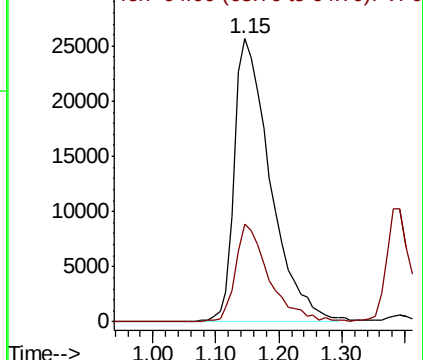
62 100

64 34.4 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 52.423 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.00 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion: 94 Resp: 45467

Ion Ratio Lower Upper

94 100

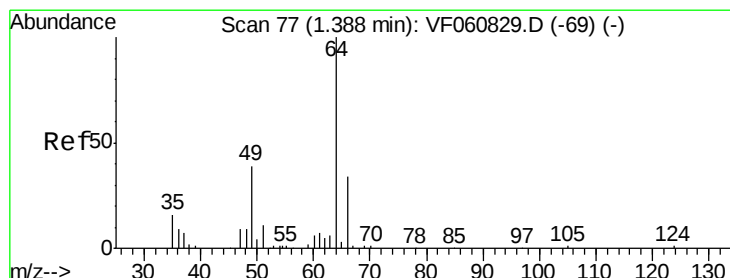
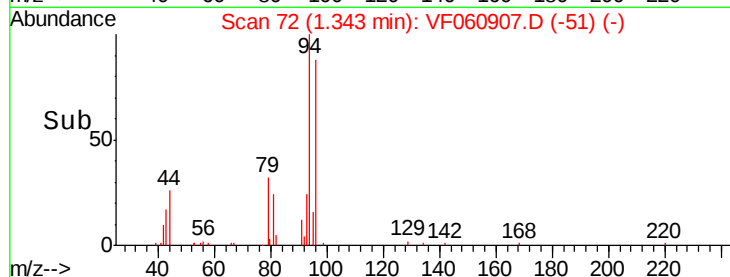
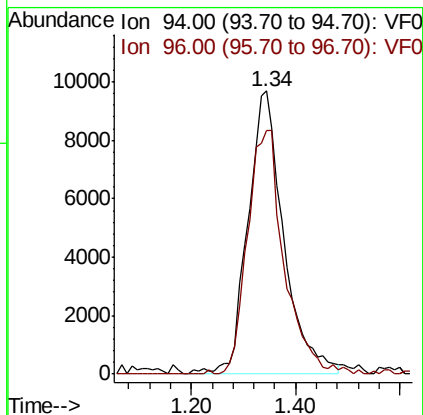
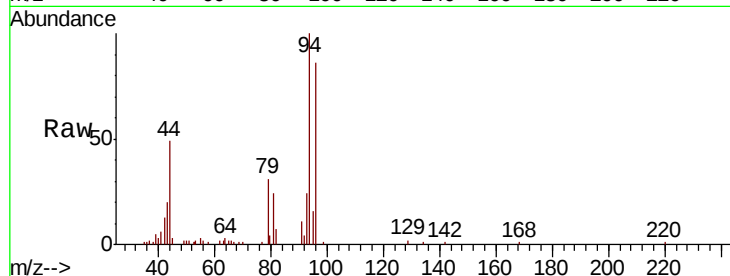
96 86.1 75.9 113.9

Manual Integrations

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12/4/2018 2:52:32 PM



#6

Chloroethane

Concen: 53.573 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF060907.D

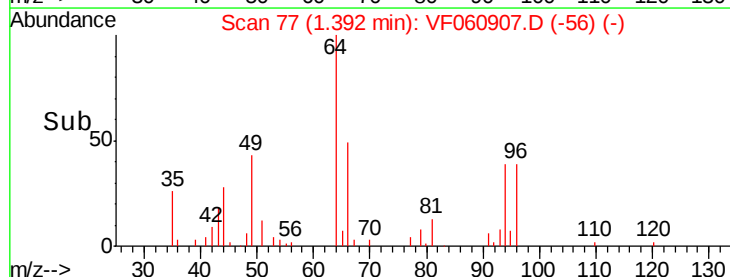
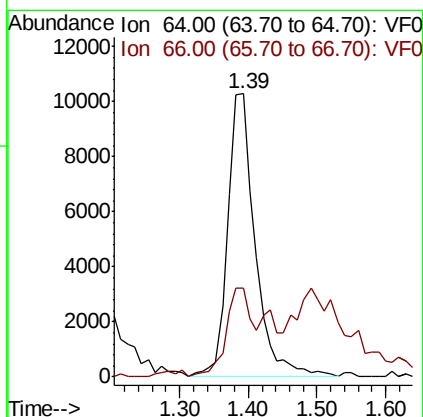
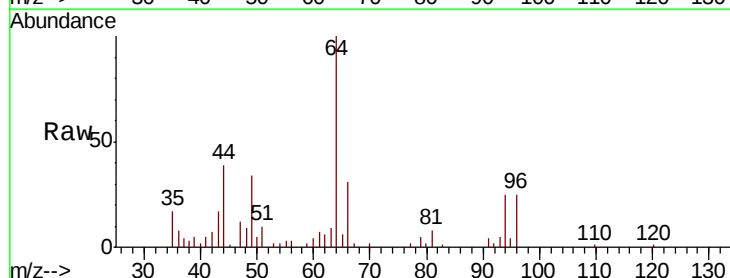
Acq: 3 Dec 2018 22:41

Tgt Ion: 64 Resp: 28484

Ion Ratio Lower Upper

64 100

66 31.3 28.1 42.1





#7

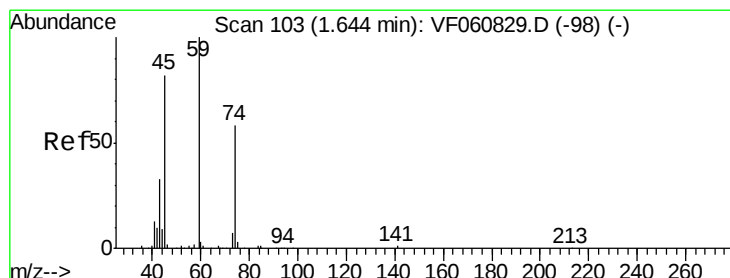
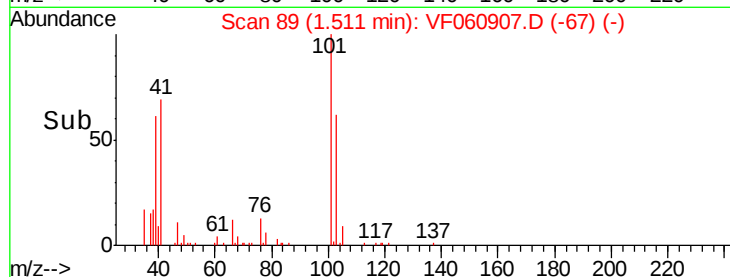
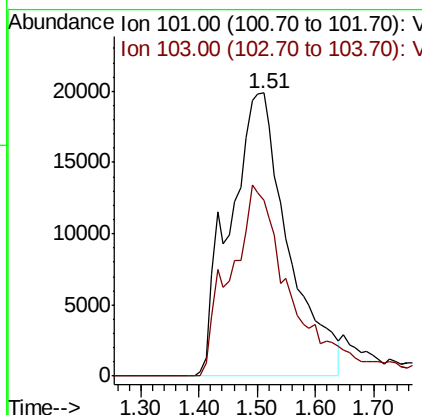
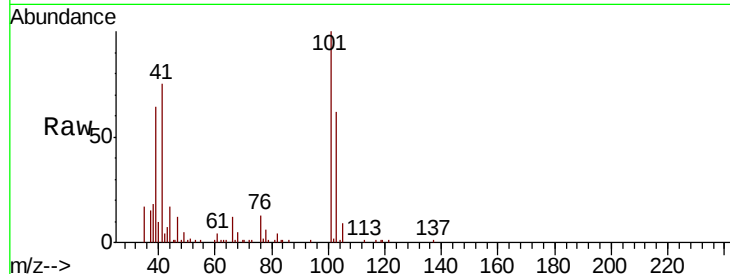
Trichlorofluoromethane
Concen: 52.776 ug/l
RT: 1.51 min Scan# 89
Delta R.T. 0.01 min
Lab File: VF060907.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	55.4	83.0

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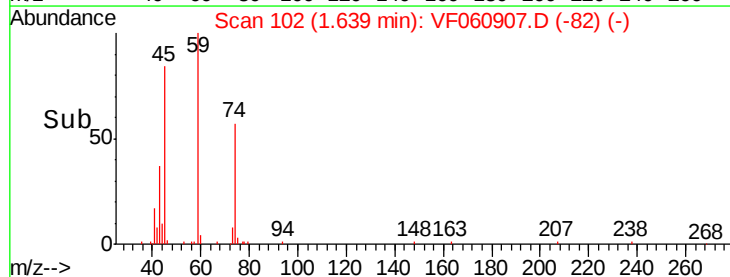
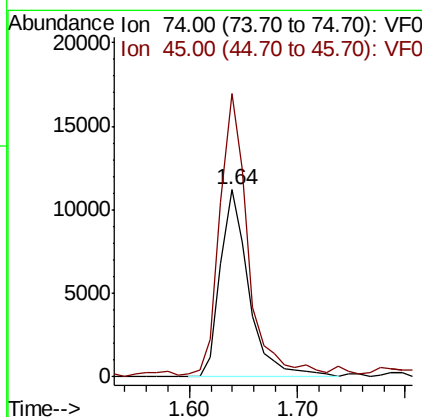
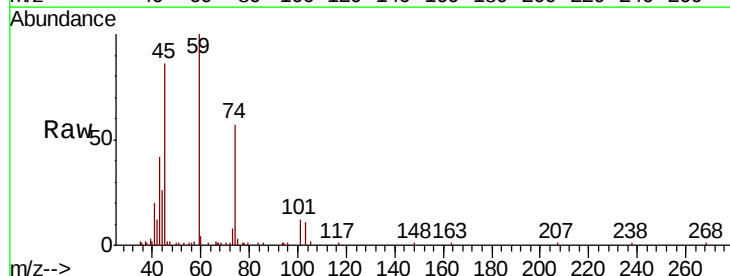
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#8

Diethyl Ether
Concen: 54.268 ug/l
RT: 1.64 min Scan# 102
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	151.3	71.0	212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.195 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

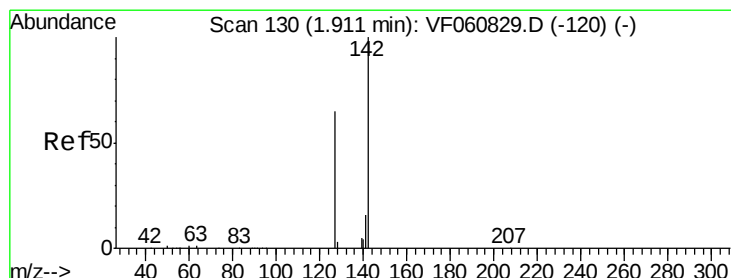
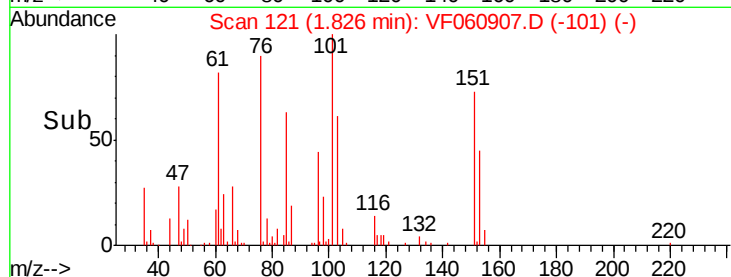
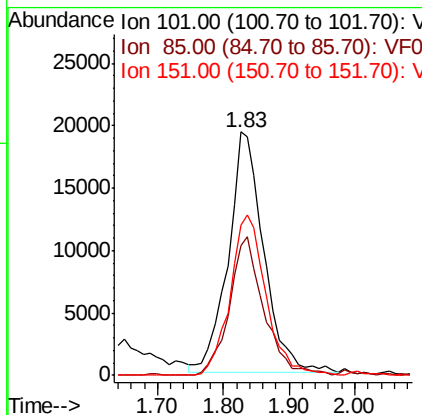
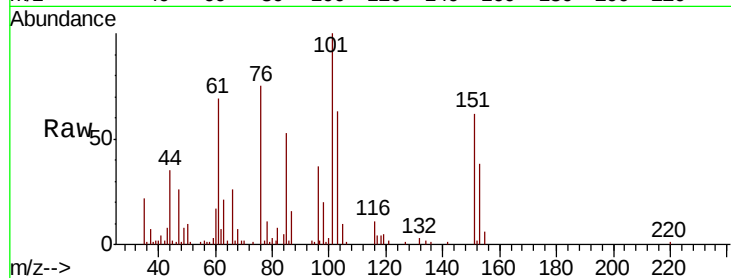
ClientSampleId :

S49-0483MS

Tot Ion:	101	Resp:	72305
Ion Ratio	Lower	Upper	
101	100		
85	53.3	42.8	64.2
151	61.7	54.4	81.6

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#10

Methyl Iodide

Concen: 53.046 ug/l

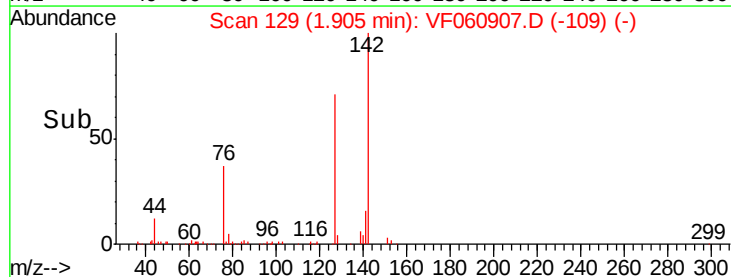
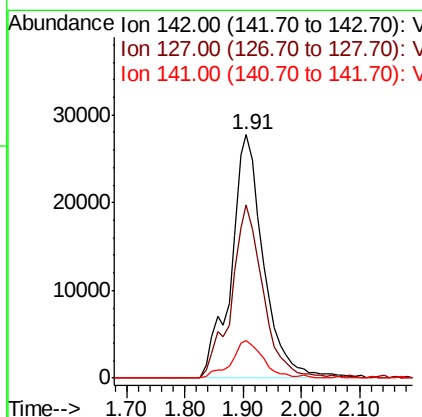
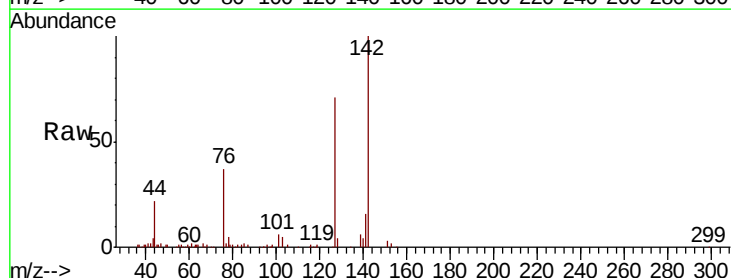
RT: 1.91 min Scan# 129

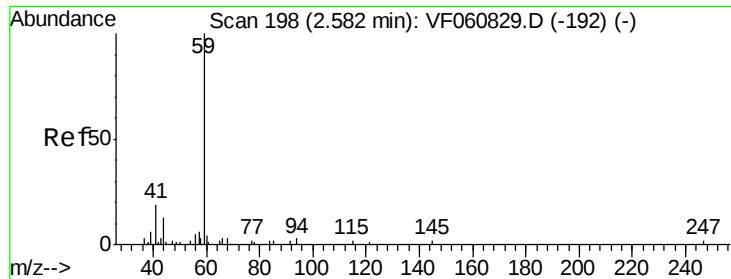
Delta R.T. -0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Tgt Ion:	142	Resp:	107573
Ion Ratio	Lower	Upper	
142	100		
127	70.9	51.9	77.9
141	15.6	12.7	19.1





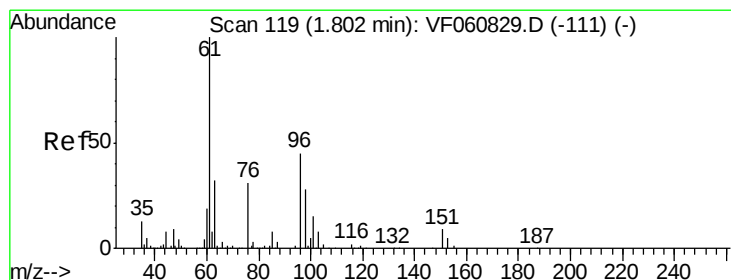
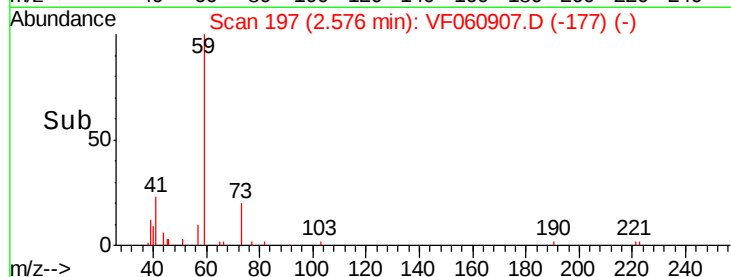
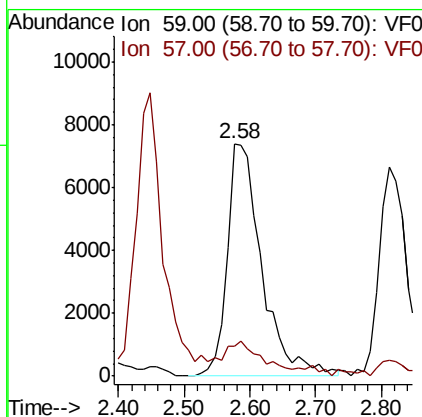
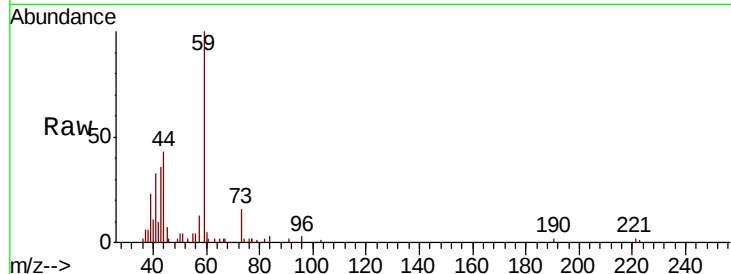
#11
Tert butyl alcohol
Concen: 418.093 ug/l
RT: 2.58 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion: 59 Resp: 27363
Ion Ratio Lower Upper
59 100
57 12.6 12.7 19.1#

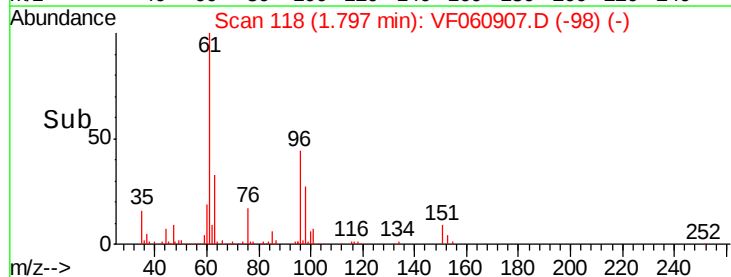
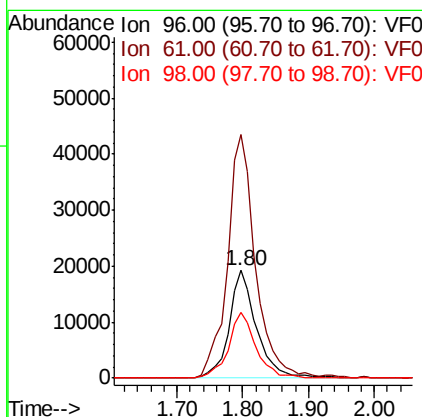
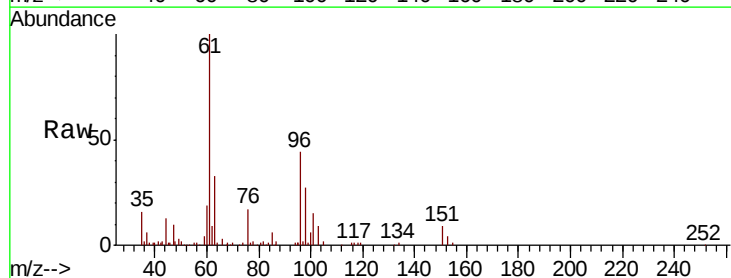
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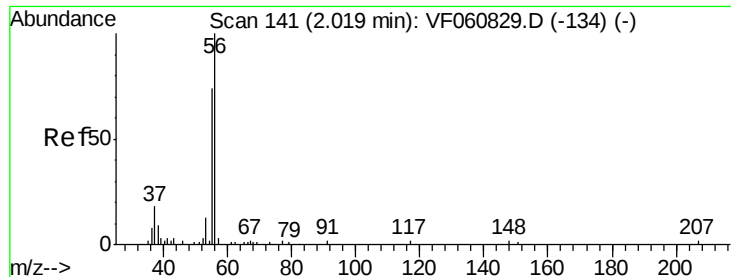
apatel
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#12
1,1-Dichloroethene
Concen: 52.167 ug/l
RT: 1.80 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion: 96 Resp: 55981
Ion Ratio Lower Upper
96 100
61 226.0 177.3 265.9
98 61.2 49.6 74.4





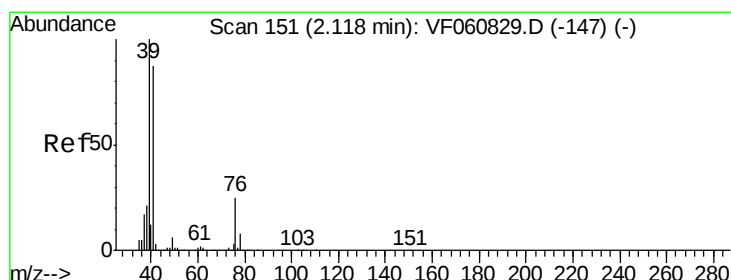
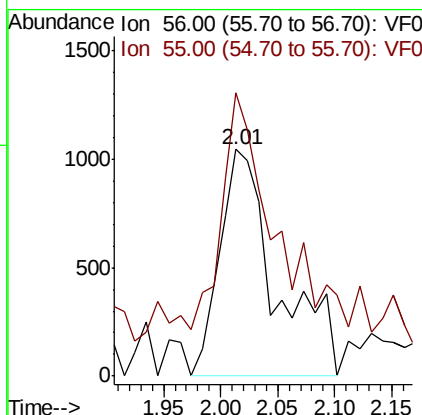
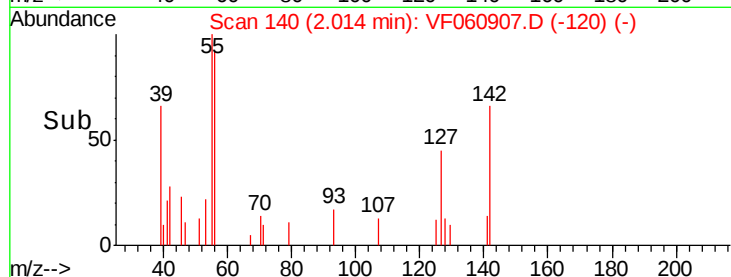
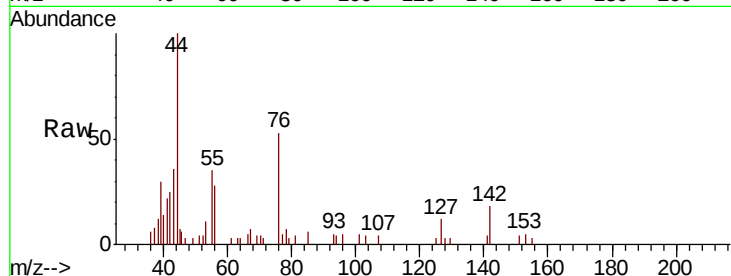
#13
Acrolein
Concen: 58.137 ug/l m
RT: 2.01 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion: 56 Resp: 3605
Ion Ratio Lower Upper
56 100
55 124.7 61.2 91.8#

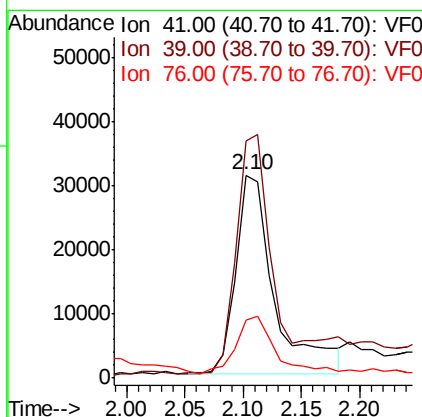
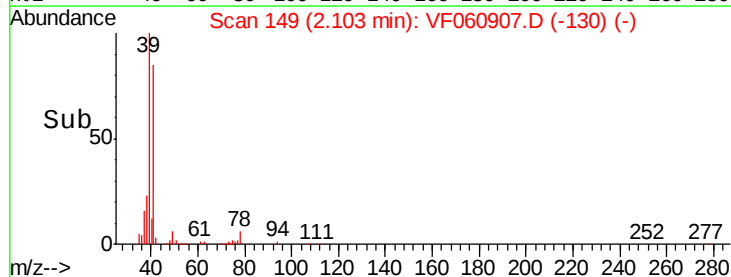
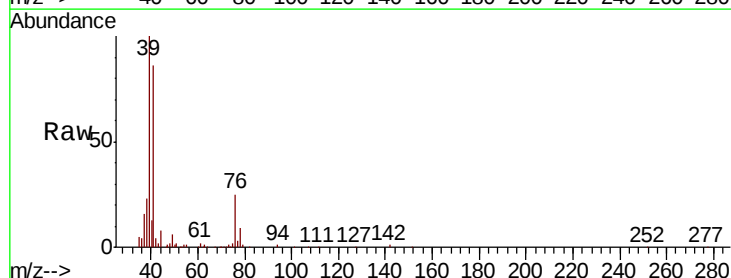
Manual Integrations
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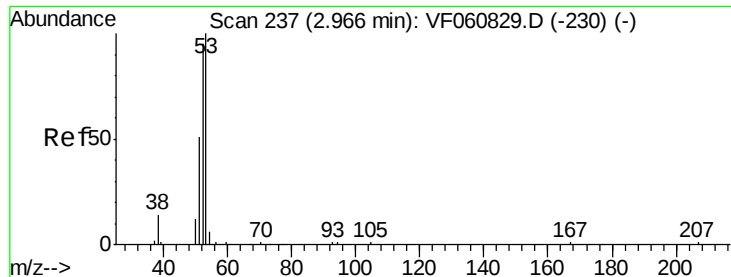
apatel
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#14
Allyl chloride
Concen: 53.983 ug/l
RT: 2.10 min Scan# 149
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion: 41 Resp: 72204
Ion Ratio Lower Upper
41 100
39 116.6 91.7 137.5
76 28.7 23.5 35.3





#15

Acrylonitrile

Concen: 369.059 ug/l

RT: 2.96 min Scan# 236

Delta R.T. -0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

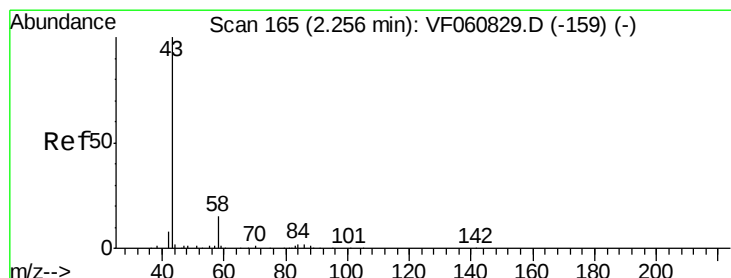
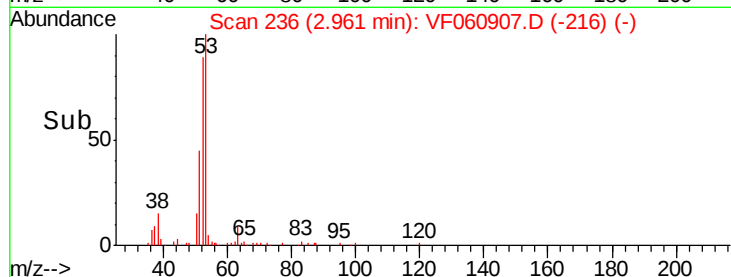
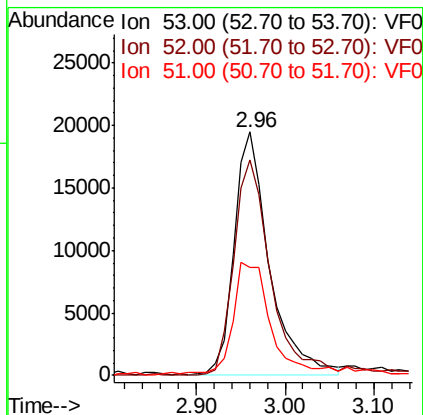
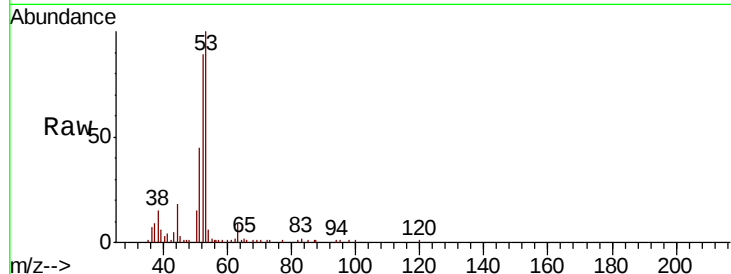
ClientSampleId :

S49-0483MS

Tot Ion:	53	Resp:	54151
Ion	Ratio	Lower	Upper
53	100		
52	88.6	76.5	114.7
51	44.6	40.7	61.1

Manual Integrations
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#16

Acetone

Concen: 491.655 ug/l

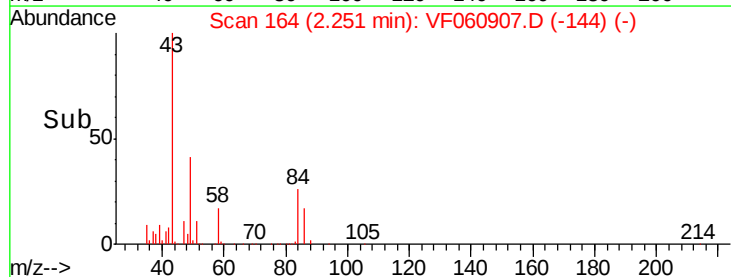
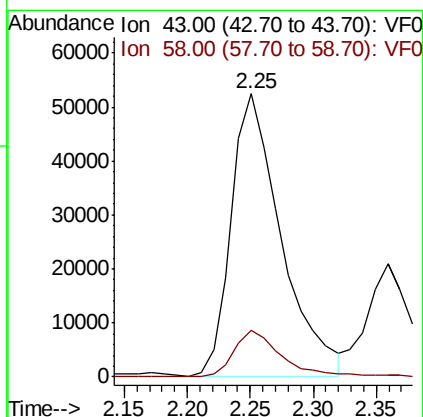
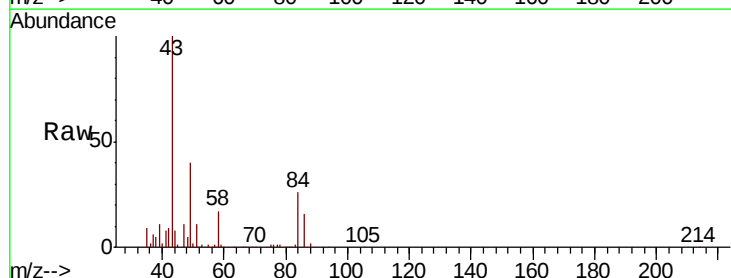
RT: 2.25 min Scan# 164

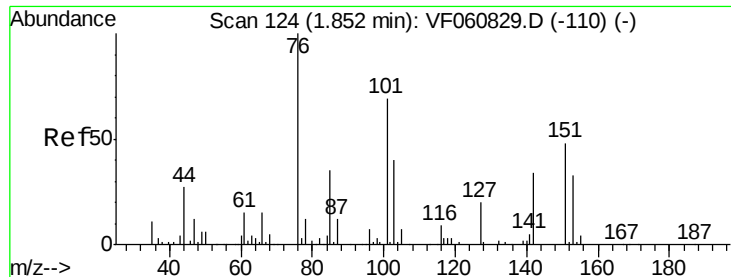
Delta R.T. -0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Tgt Ion:	43	Resp:	144751
Ion	Ratio	Lower	Upper
43	100		
58	16.6	11.4	17.2





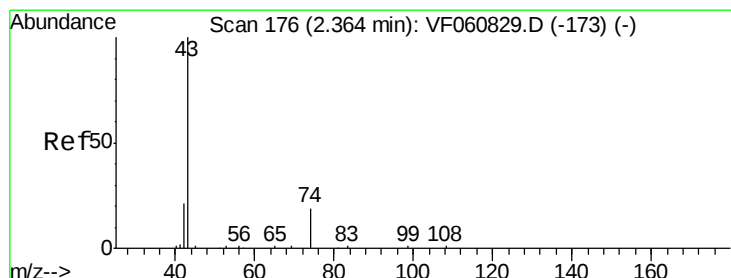
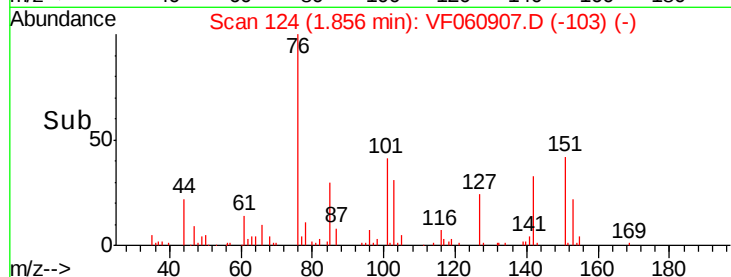
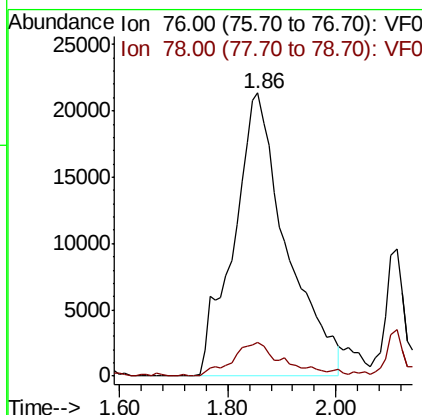
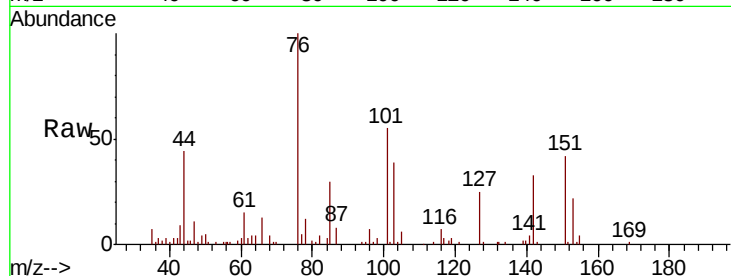
#17
Carbon Disulfide
Concen: 50.387 ug/l
RT: 1.86 min Scan# 124
Delta R.T. 0.00 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion: 76 Resp: 144980
Ion Ratio Lower Upper
76 100
78 11.7 10.2 15.2

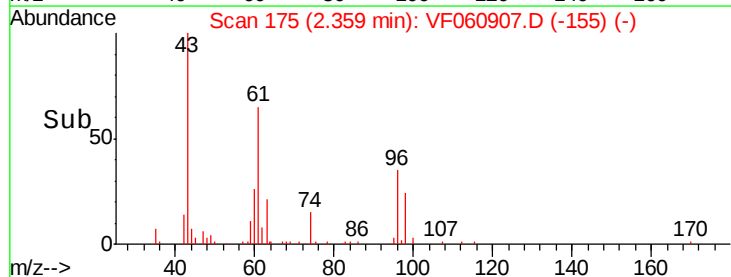
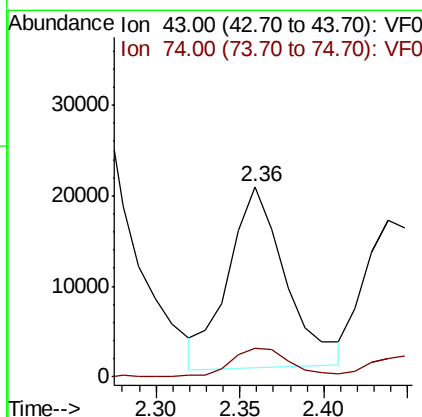
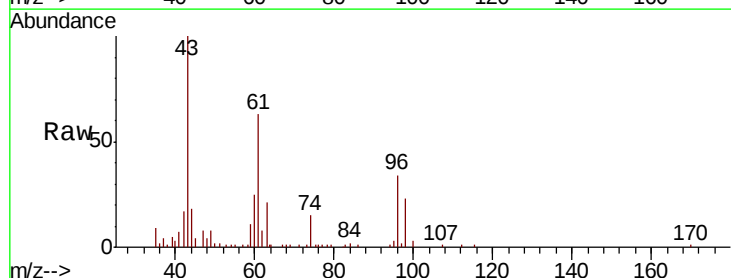
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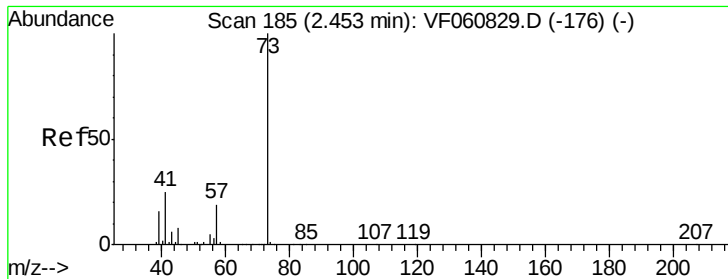
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#18
Methyl Acetate
Concen: 97.536 ug/l
RT: 2.36 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion: 43 Resp: 47401
Ion Ratio Lower Upper
43 100
74 15.0 13.3 19.9





#19

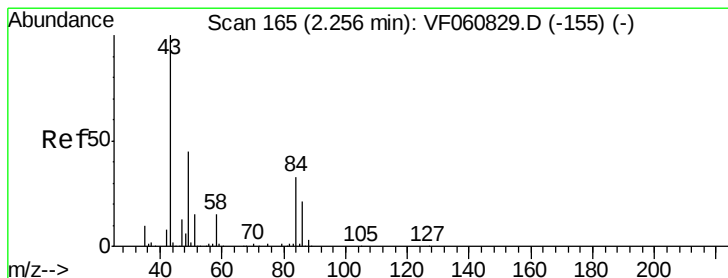
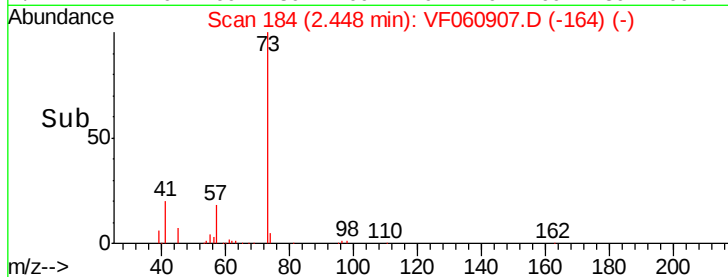
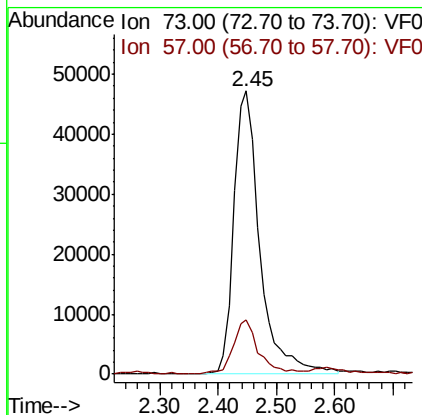
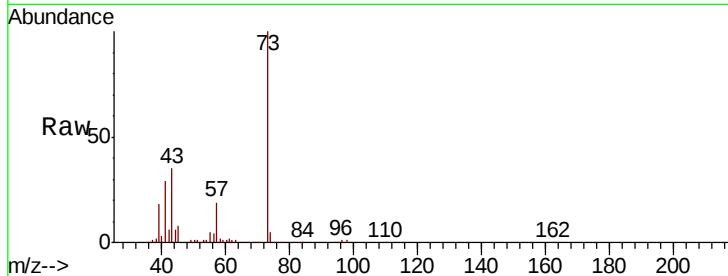
Methyl tert-butyl Ether
 Concen: 60.794 ug/l
 RT: 2.45 min Scan# 184
 Delta R.T. -0.01 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

Instrument :
 MSVOA_F
 ClientSampleID :
 S49-0483MS

Tot Ion	73	Resp	146938
Ion Ratio	100	Lower	Upper
73	100	15.3	22.9
57	19.1		

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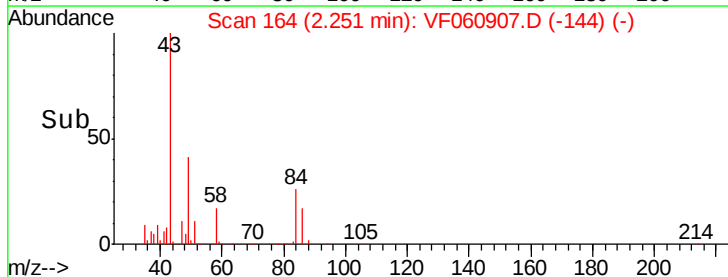
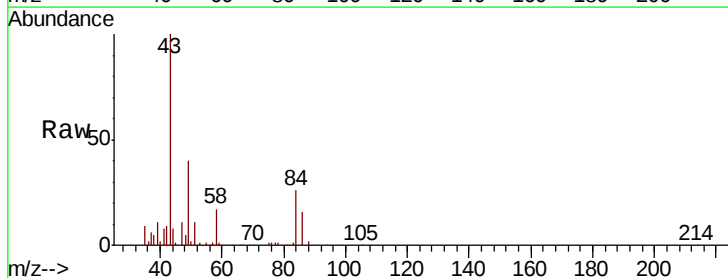
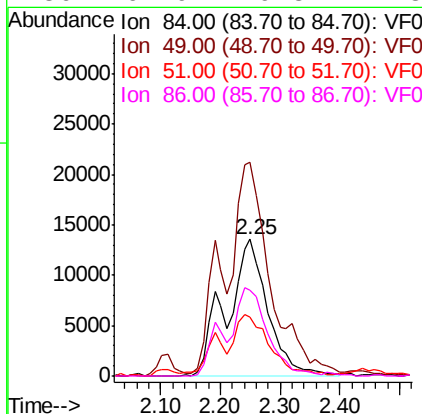
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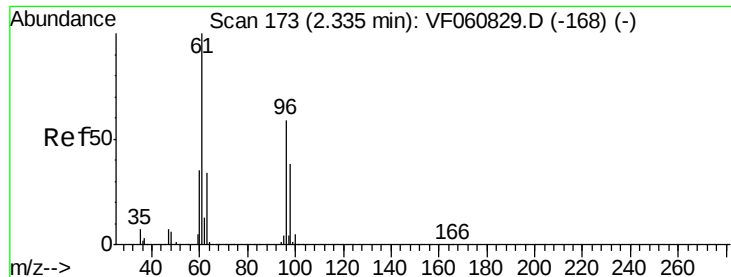


#20

Methylene Chloride
 Concen: 60.377 ug/l m
 RT: 2.25 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

Tgt Ion	84	Resp	65212
Ion Ratio	100	Lower	Upper
84	100	111.3	166.9
49	156.3	38.0	57.0
51	42.9	49.8	74.8
86	62.9		





#21

trans-1,2-Dichloroethene

Concen: 85.359 ug/l

RT: 2.32 min Scan# 171

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

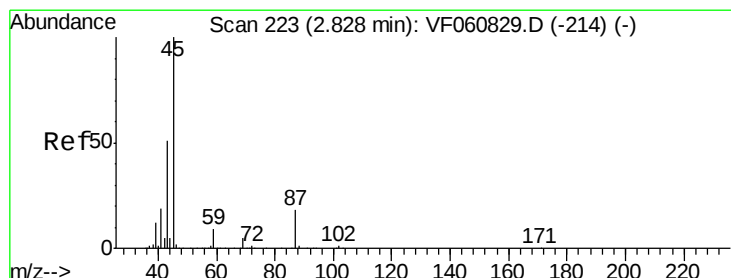
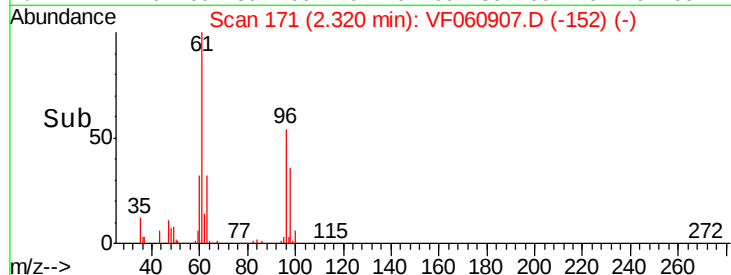
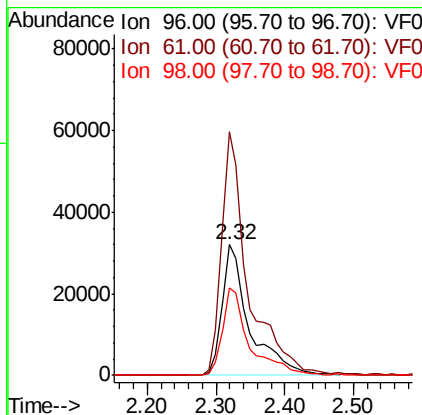
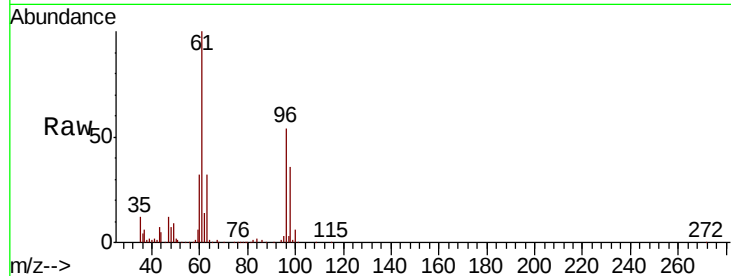
ClientSampleId :

S49-0483MS

Tot Ion:	96	Resp:	88310
Ion	Ratio	Lower	Upper
96	100		
61	186.5	134.5	201.7
98	66.9	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 56.278 ug/l

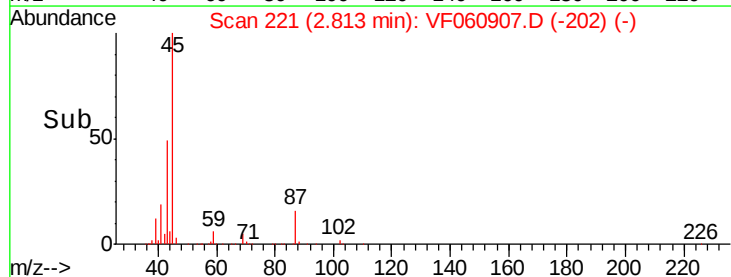
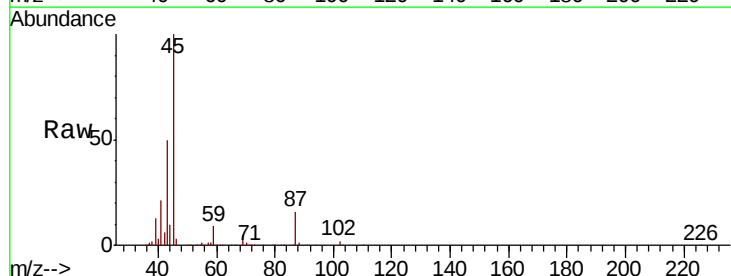
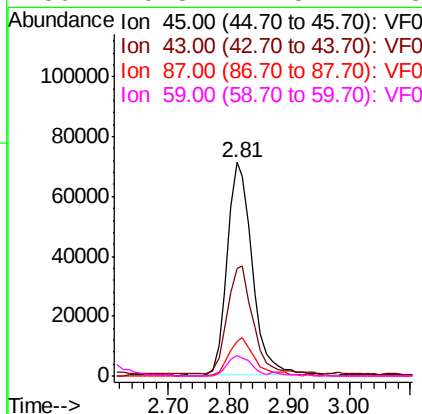
RT: 2.81 min Scan# 221

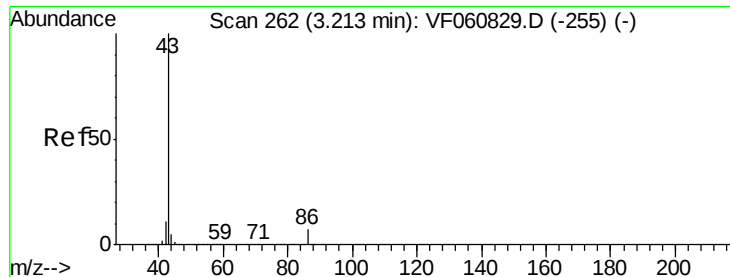
Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Tgt Ion:	45	Resp:	204897
Ion	Ratio	Lower	Upper
45	100		
43	50.3	41.0	61.6
87	16.2	14.6	22.0
59	9.3	7.5	11.3





#23

Vinyl Acetate

Concen: 248.985 ug/l

RT: 3.21 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion: 43 Resp: 414371

Ion Ratio Lower Upper

43 100

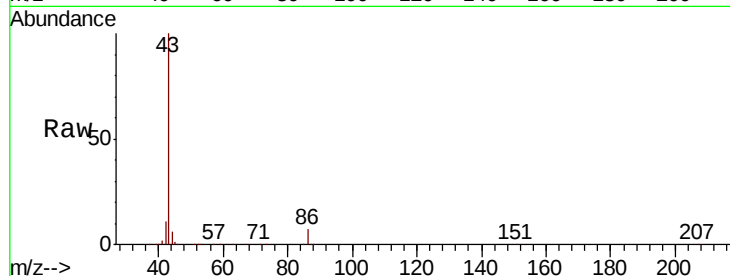
86 7.2 5.4 8.0

Manual Integrations

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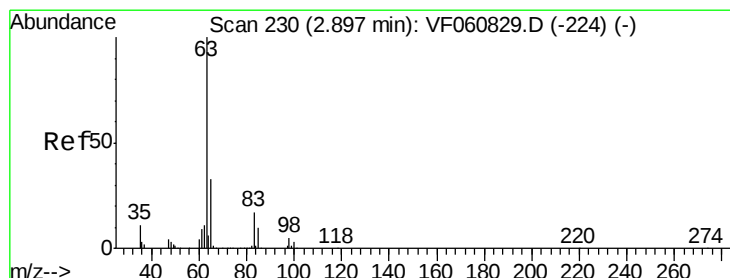
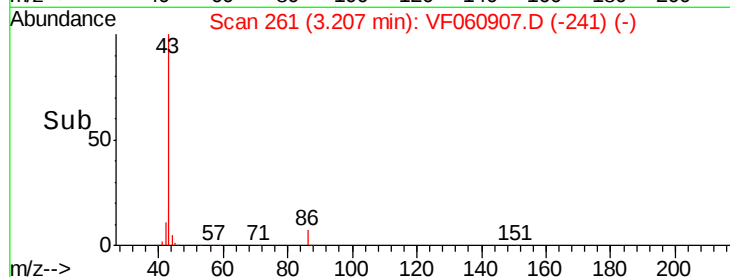
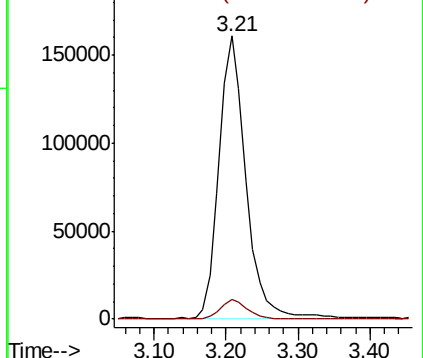
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 55.480 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

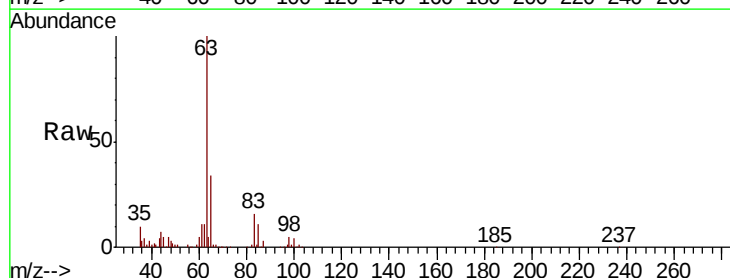
Tgt Ion: 63 Resp: 120178

Ion Ratio Lower Upper

63 100

98 5.0 2.7 8.1

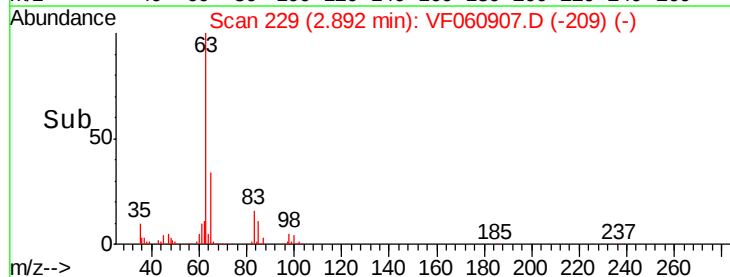
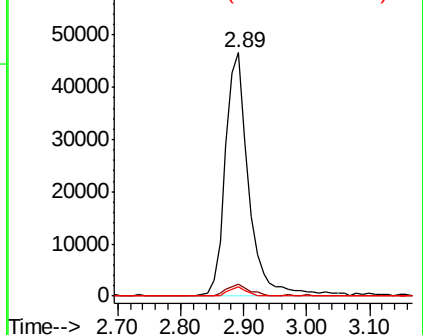
100 4.1 1.5 4.5

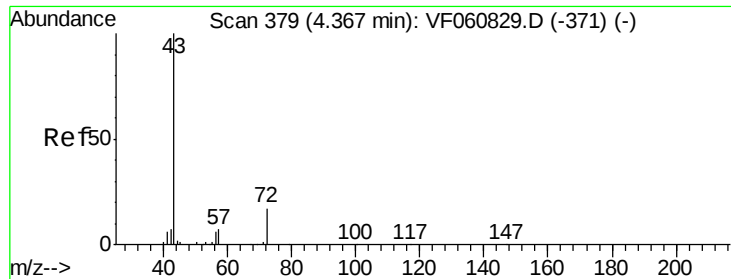


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 344.100 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampled :

S49-0483MS

Tot Ion: 43 Resp: 175228

Ion Ratio Lower Upper

43 100

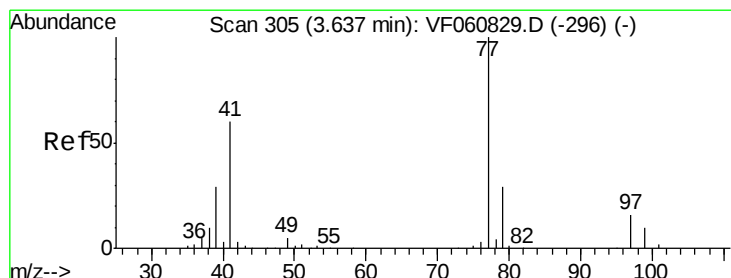
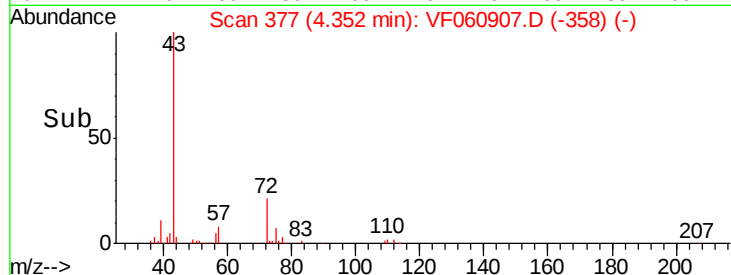
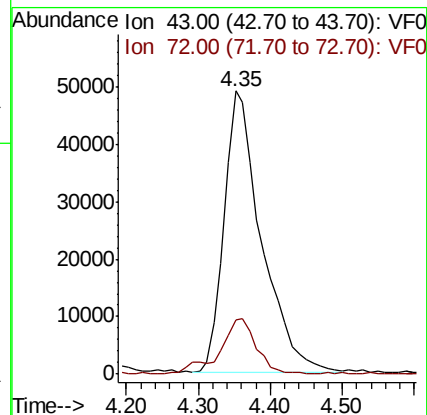
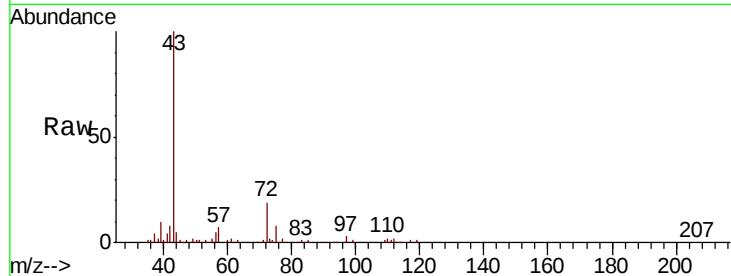
72 19.3 15.4 23.2

Manual Integrations

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12/4/2018 2:52:32 PM



#26

2,2-Dichloropropane

Concen: 45.857 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.02 min

Lab File: VF060907.D

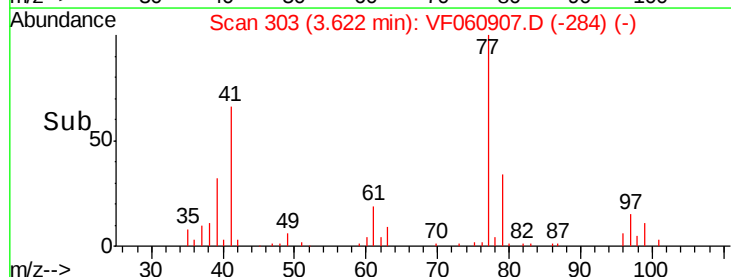
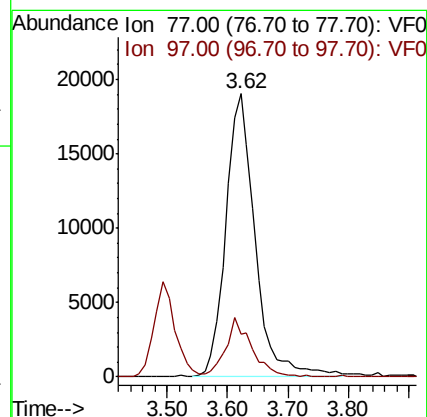
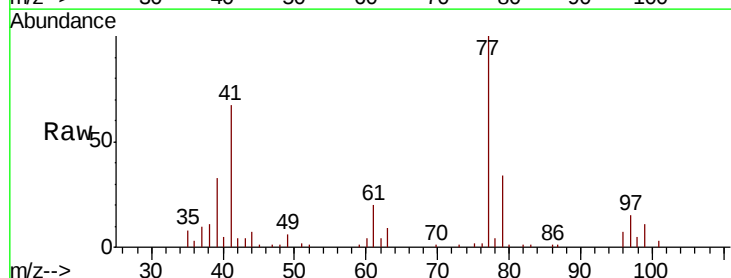
Acq: 3 Dec 2018 22:41

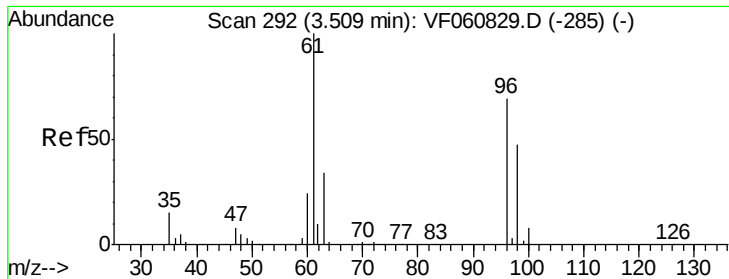
Tgt Ion: 77 Resp: 64398

Ion Ratio Lower Upper

77 100

97 15.1 8.6 25.8





#27

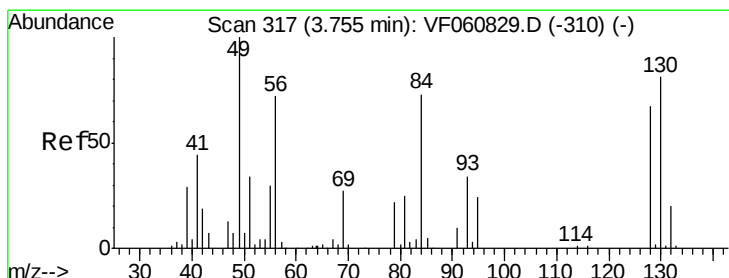
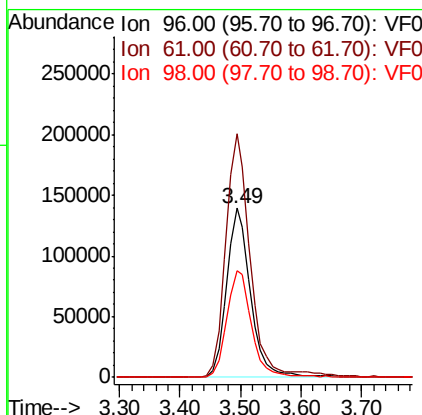
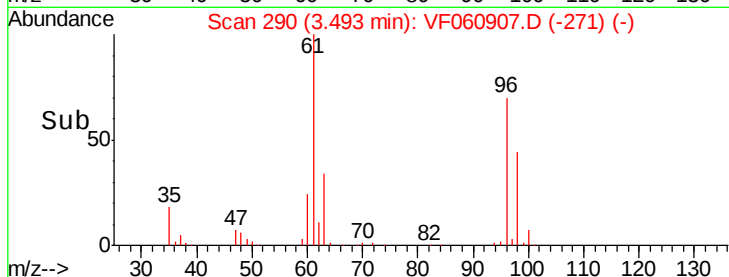
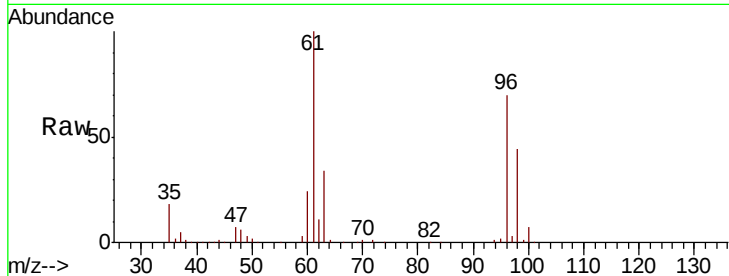
cis-1,2-Dichloroethene
Concen: 225.999 ug/l
RT: 3.49 min Scan# 290
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	380648		
61	143.9		0.0	290.6
98	63.0		0.0	137.8

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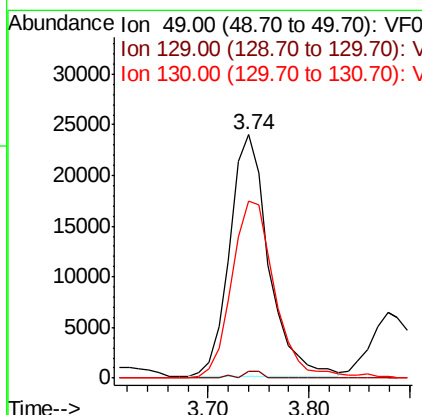
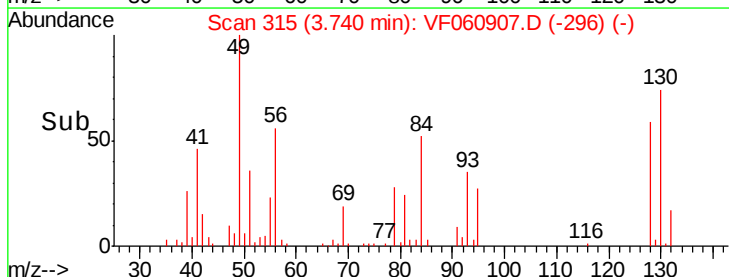
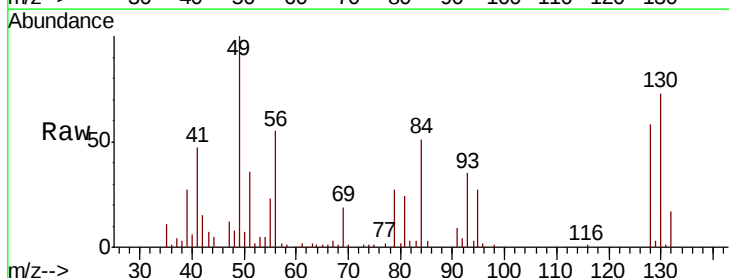
apatel
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#28

Bromochloromethane
Concen: 62.080 ug/l
RT: 3.74 min Scan# 315
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	64537		
129	3.0		0.0	4.4
130	72.6		64.2	96.4





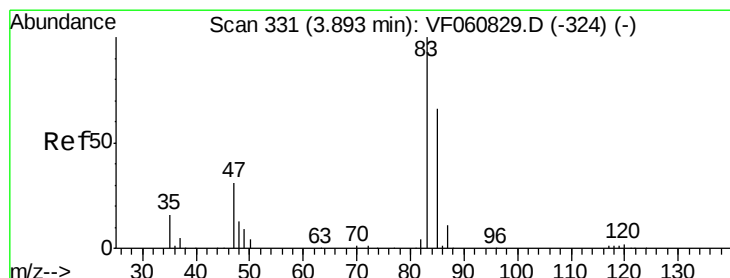
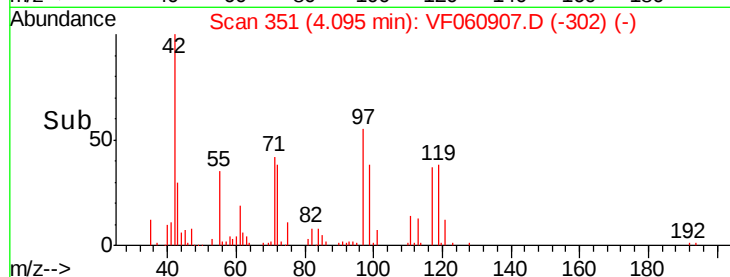
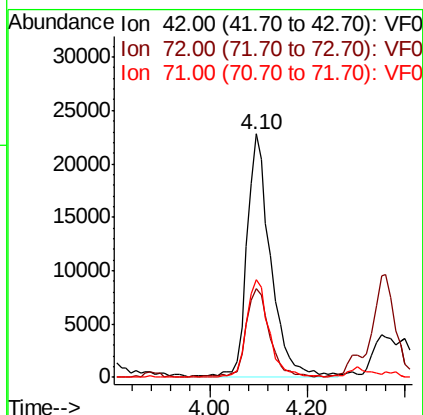
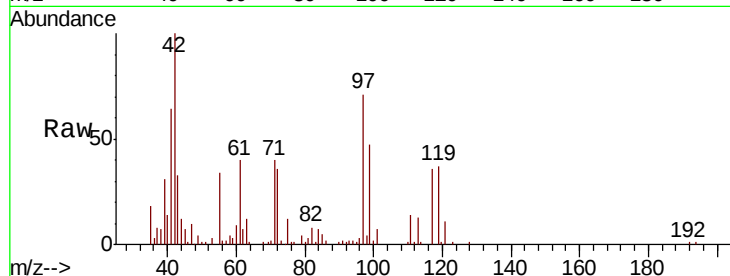
#29
Tetrahydrofuran
Concen: 359.098 ug/l
RT: 4.10 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	31.9	47.9
71	37.8	28.7	43.1

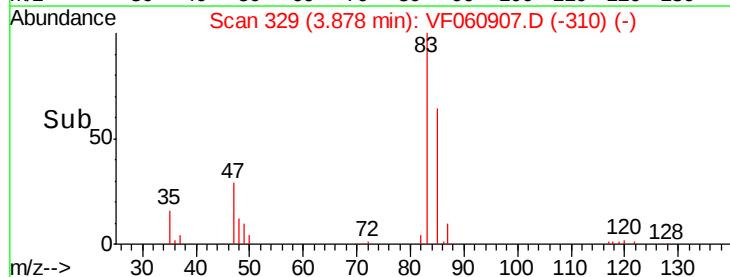
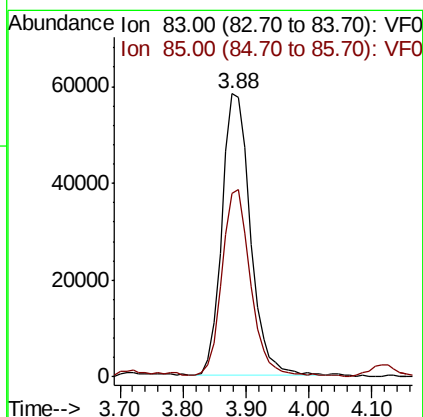
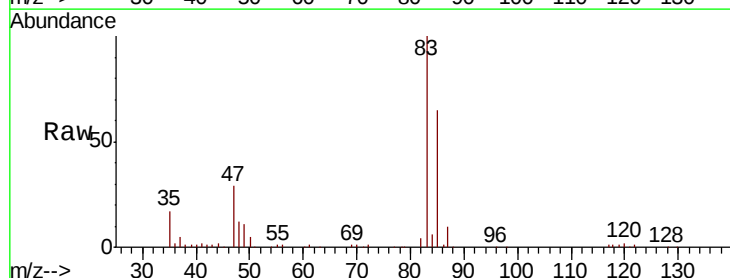
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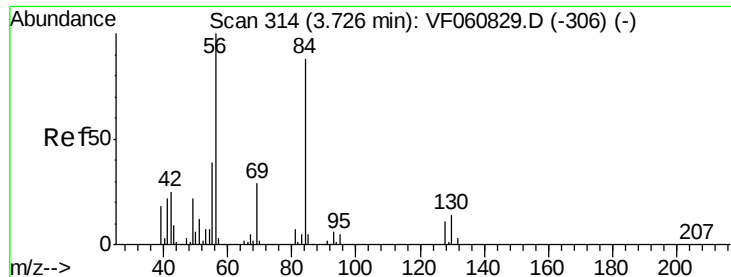
apatel
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#30
Chloroform
Concen: 55.024 ug/l
RT: 3.88 min Scan# 329
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.4	80.2





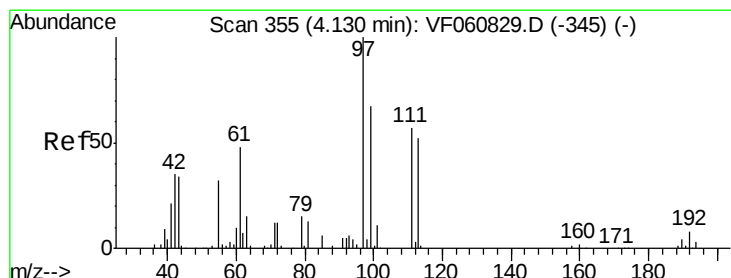
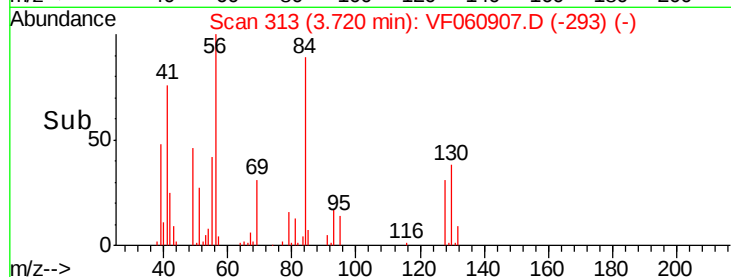
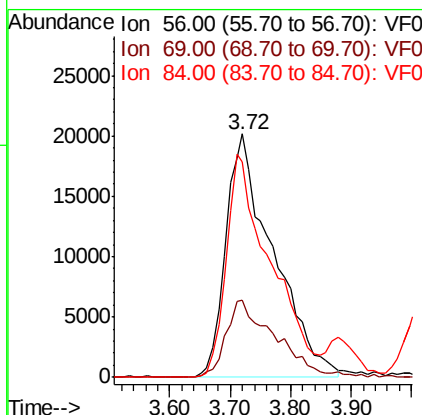
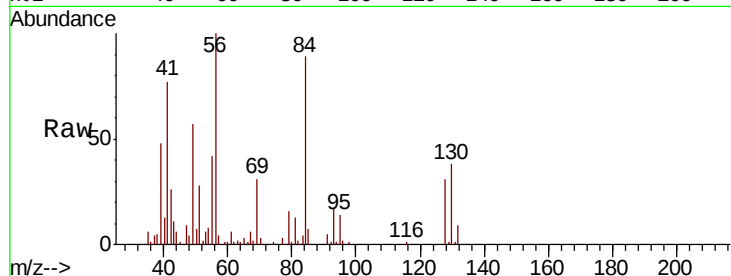
#31
Cyclohexane
Concen: 48.466 ug/l
RT: 3.72 min Scan# 313
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.0	34.4
84	88.6	70.4	105.6

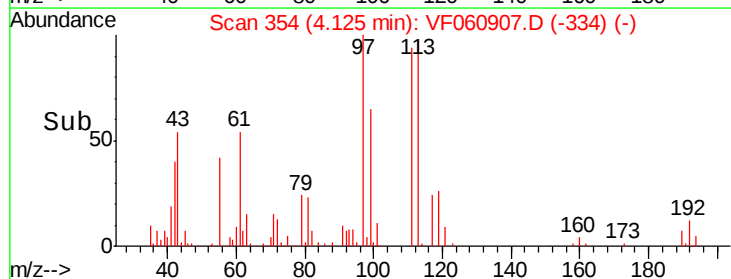
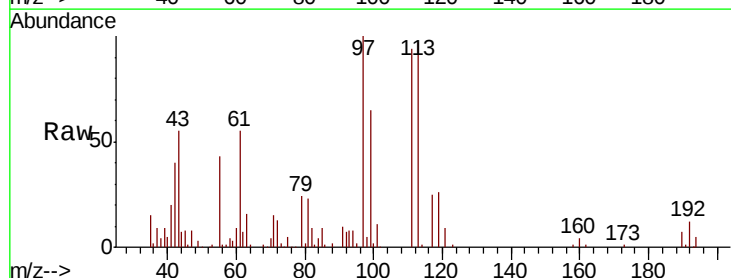
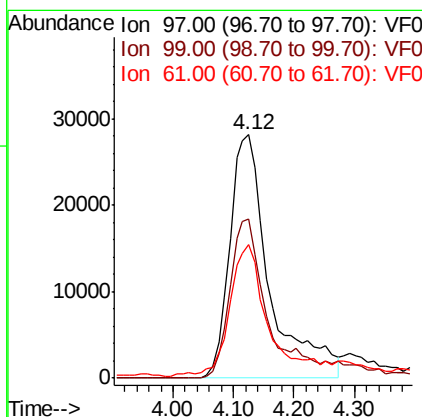
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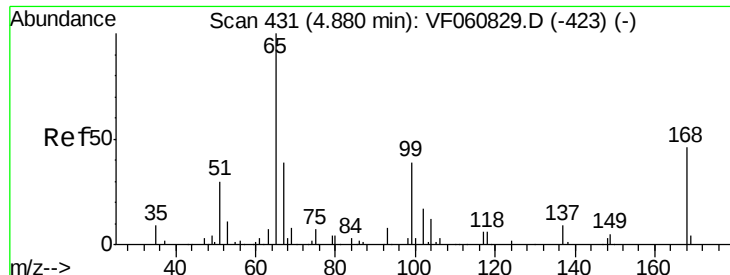
apatel
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#32
1,1,1-Trichloroethane
Concen: 55.972 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	53.5	80.3
61	54.6	38.6	58.0





#33

1,2-Dichloroethane-d4

Concen: 68.523 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion: 65 Resp: 109401

Ion Ratio Lower Upper

65 100

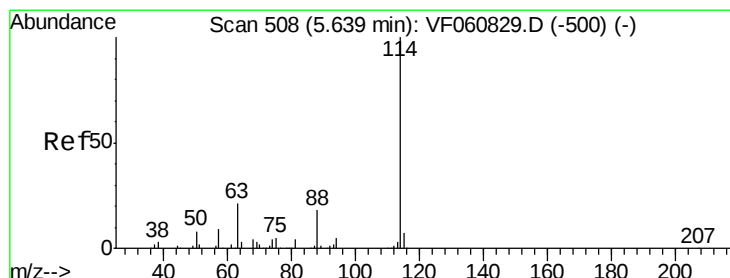
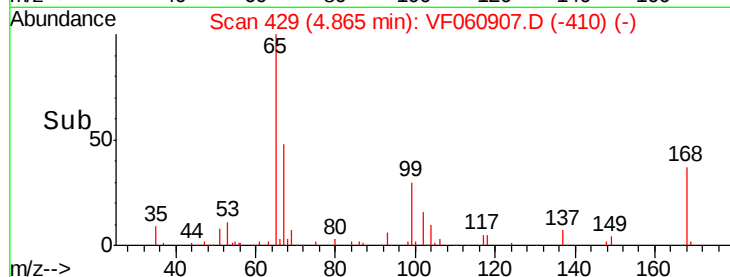
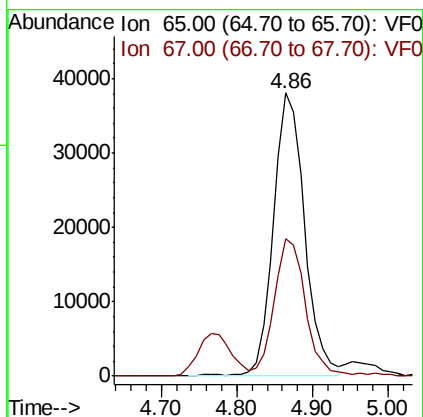
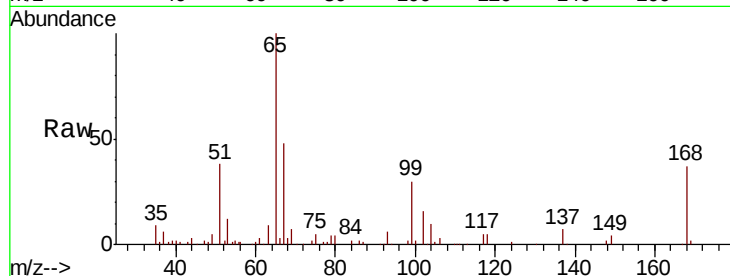
67 48.4 0.0 96.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.03 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

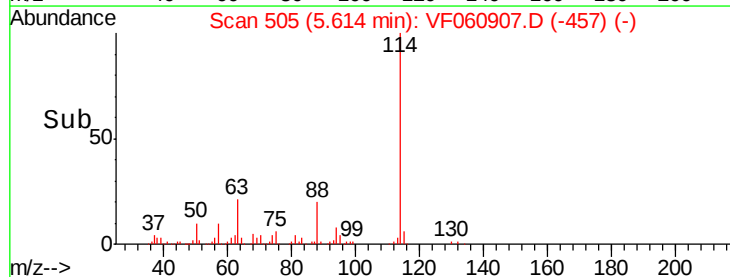
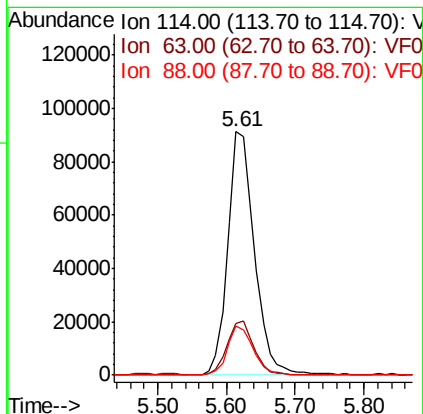
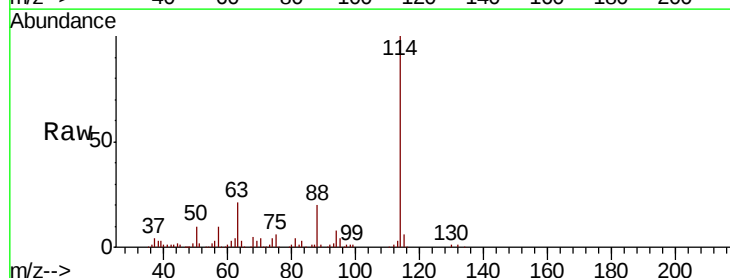
Tgt Ion: 114 Resp: 245283

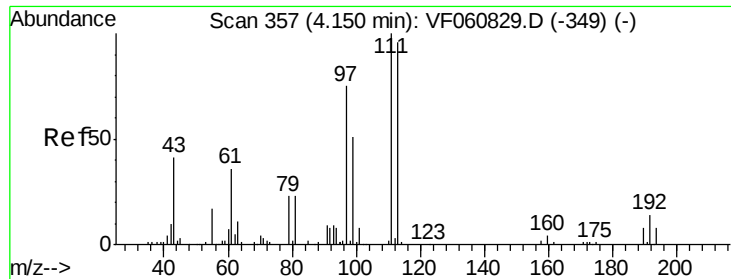
Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.6

88 19.9 0.0 36.6





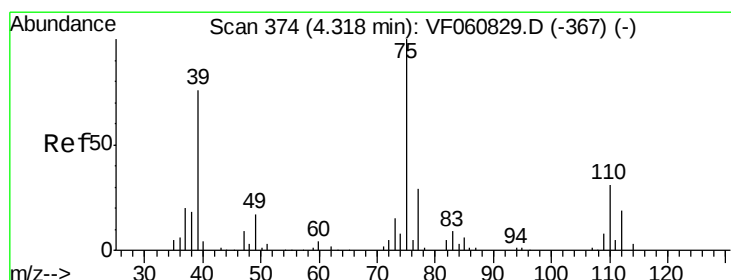
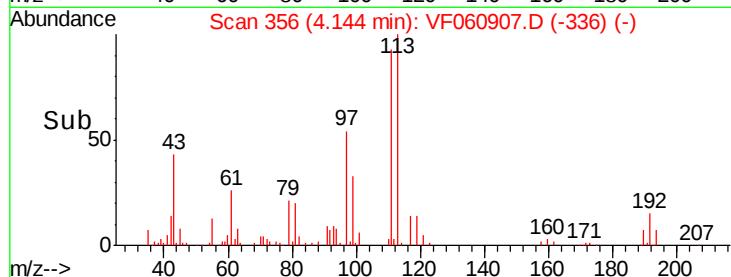
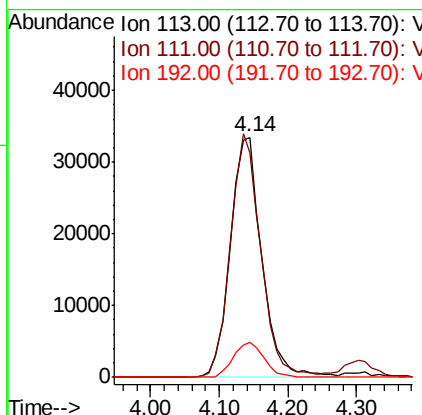
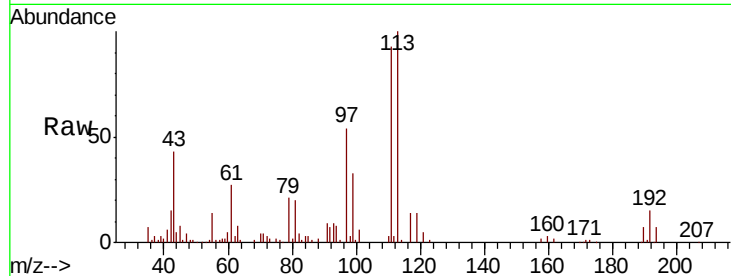
#35
Dibromofluoromethane
Concen: 54.695 ug/l
RT: 4.14 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	93.2	83.0	124.6	
192	15.3	12.3	18.5	

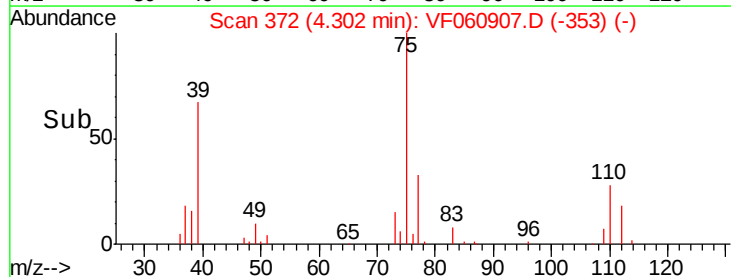
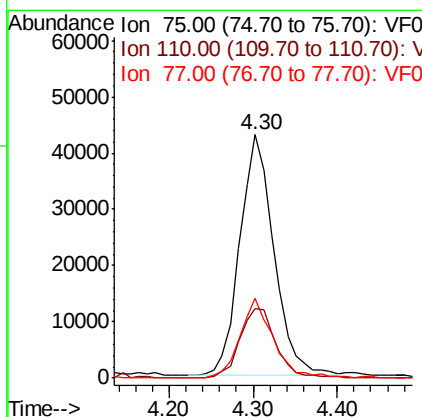
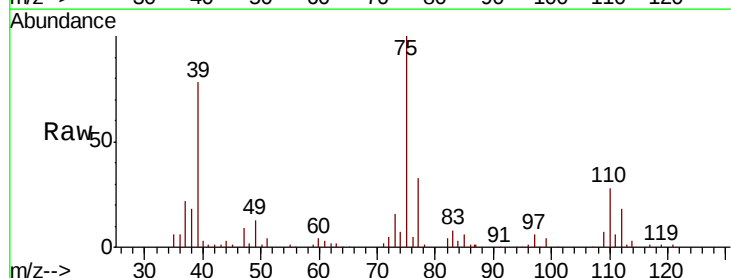
Manual Integrations
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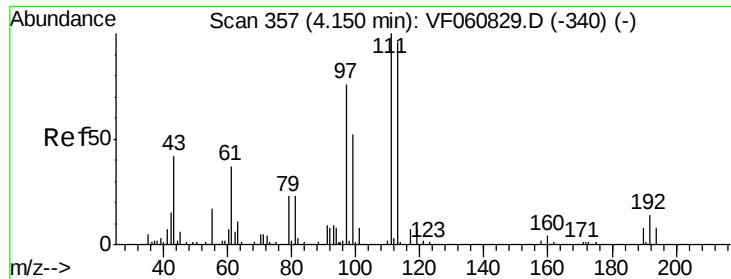
apatel
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#36
1,1-Dichloropropene
Concen: 44.816 ug/l
RT: 4.30 min Scan# 372
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	28.4	15.6	46.8	
77	32.8	23.4	35.0	





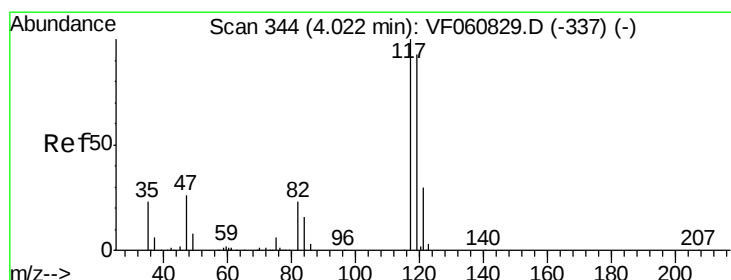
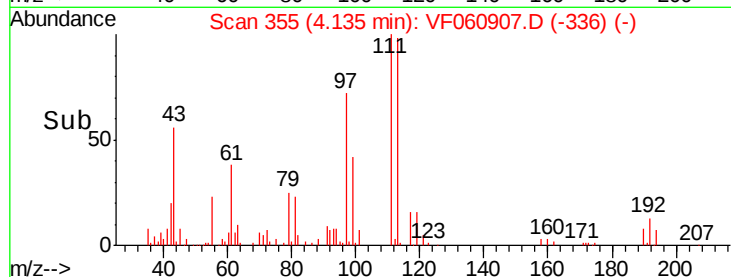
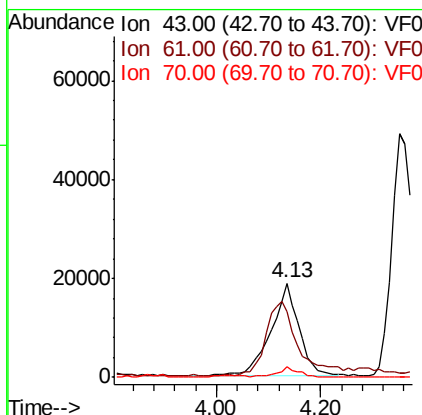
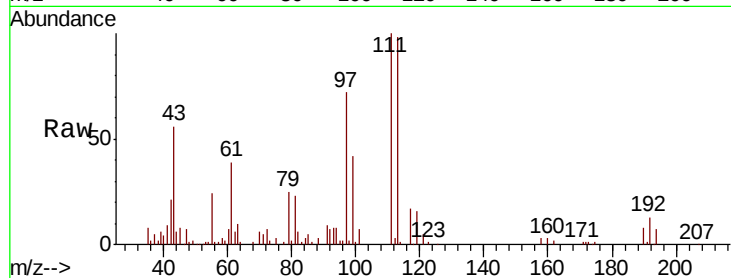
#37
Ethyl Acetate
Concen: 64.161 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	70.2	68.6	103.0
70	10.9	9.0	13.4

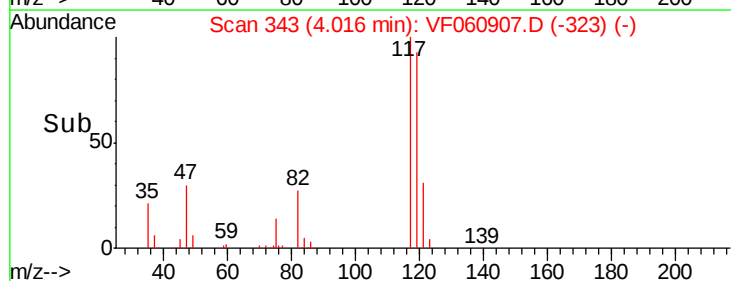
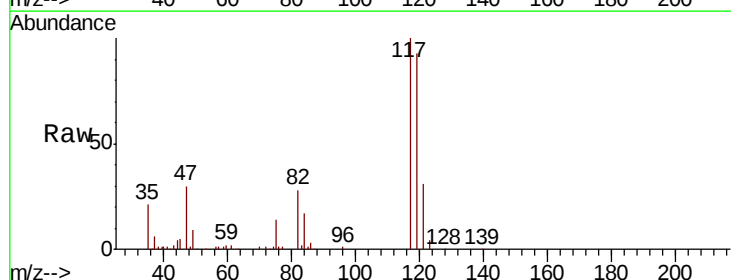
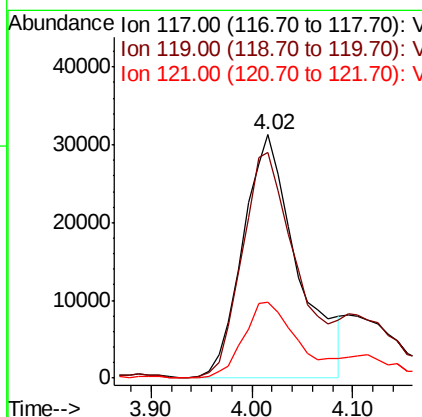
Manual Integrations
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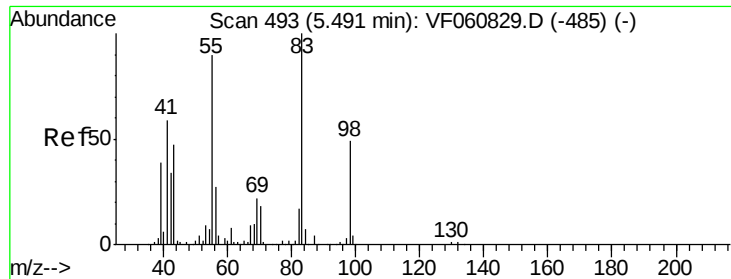
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#38
Carbon Tetrachloride
Concen: 49.055 ug/l
RT: 4.02 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	74.4	111.6
121	31.2	23.5	35.3





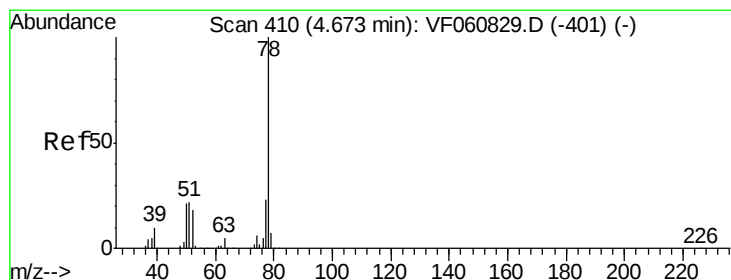
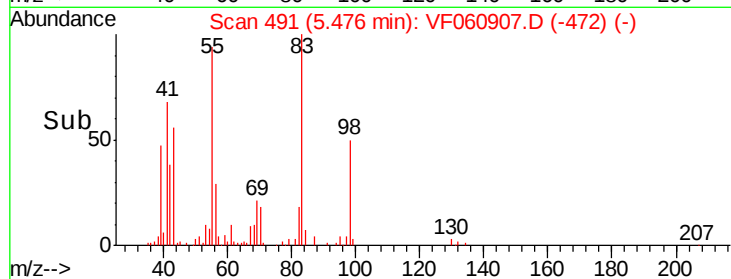
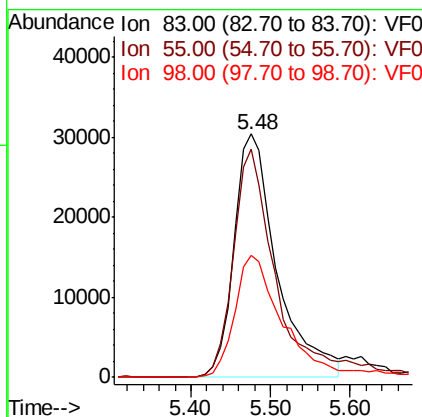
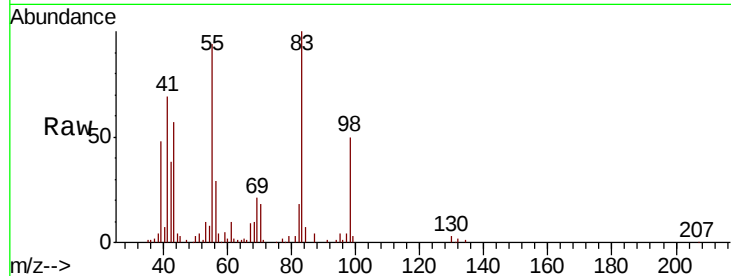
#39
Methvlcvclohexane
Concen: 40.026 ug/l
RT: 5.48 min Scan# 491
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	83.00	Resp	114118
Ion Ratio	Lower	Upper	
83	100		
55	93.9	72.1	108.1
98	50.3	39.1	58.7

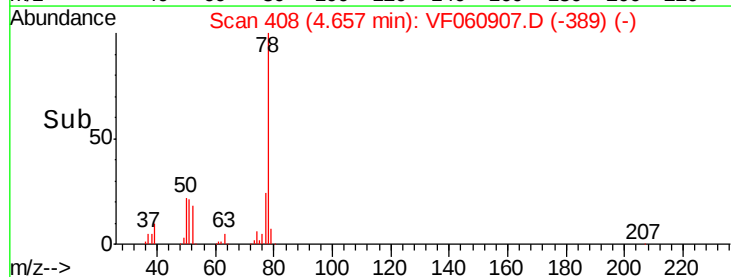
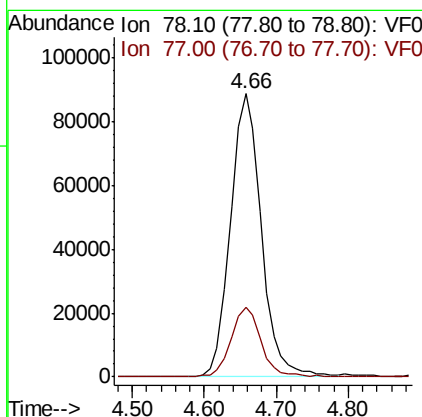
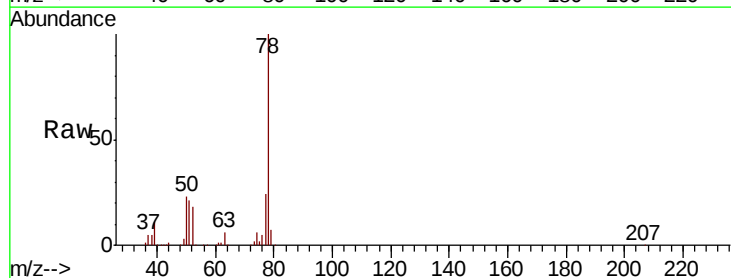
Manual Integrations
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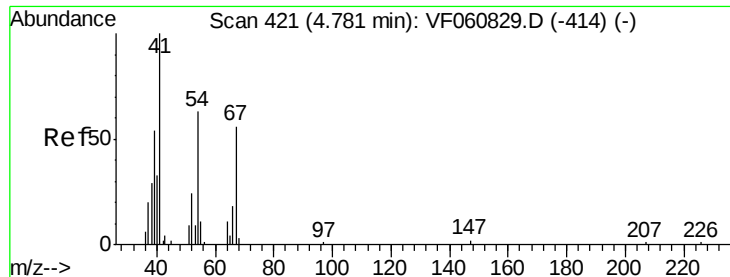
apatel
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#40
Benzene
Concen: 44.158 ug/l
RT: 4.66 min Scan# 408
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion	78	Resp	265404
Ion Ratio	Lower	Upper	
78	100		
77	24.4	18.7	28.1





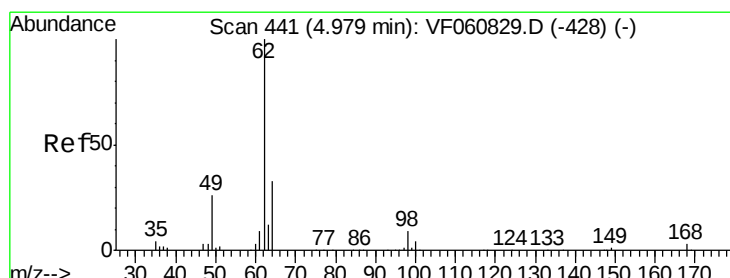
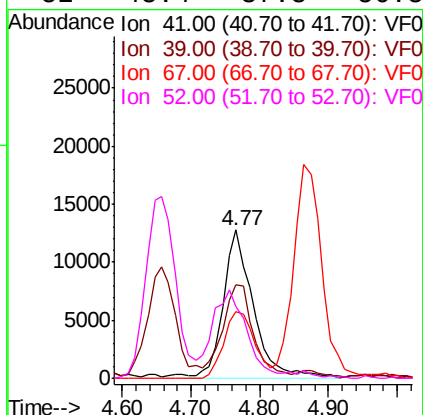
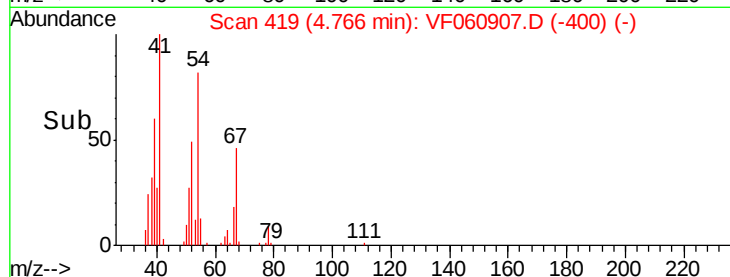
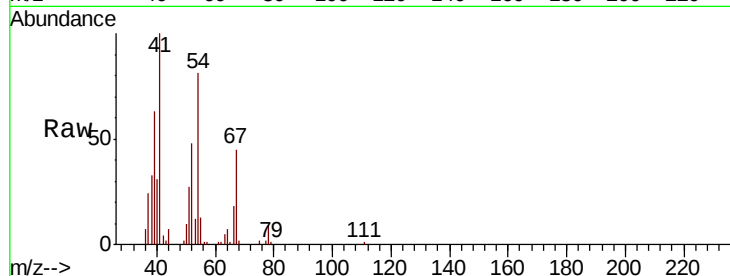
#41
Methacrylonitrile
Concen: 69.328 ug/l
RT: 4.77 min Scan# 419
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.8	53.0	79.6
67	45.1	43.8	65.6
52	48.4	37.8	56.8

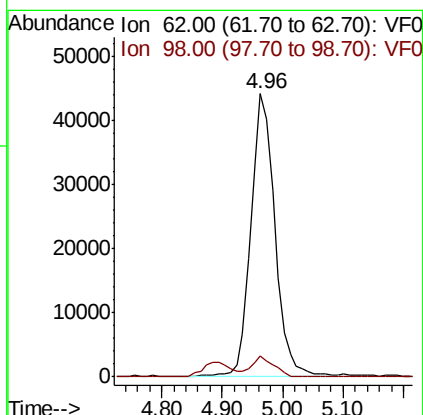
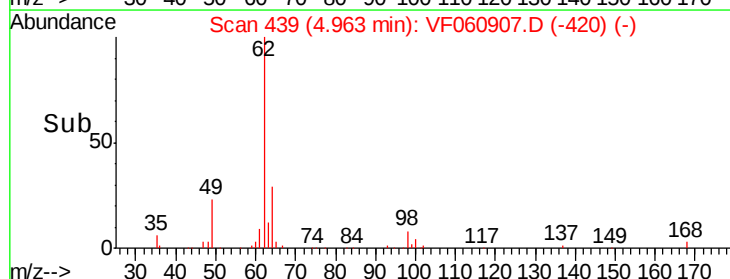
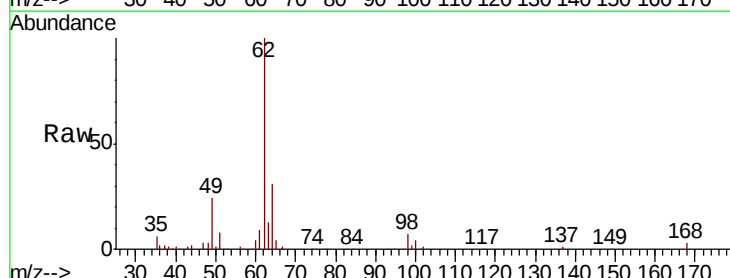
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#42
1,2-Dichloroethane
Concen: 55.878 ug/l
RT: 4.96 min Scan# 439
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	17.2





#43

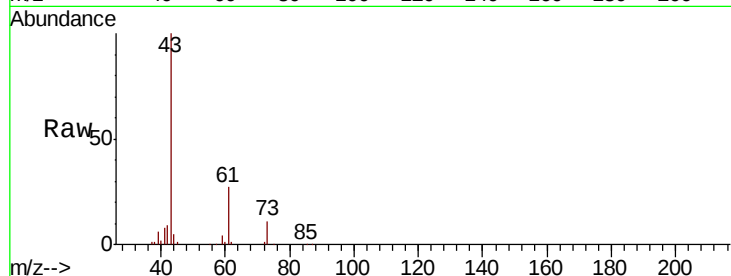
Isopropyl Acetate
 Concen: 65.579 ug/l
 RT: 6.99 min Scan# 644
 Delta R.T. -0.00 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.4	32.0
87	0.4	0.2	0.4

Manual Integrations
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 12/4/2018 2:52:32 PM

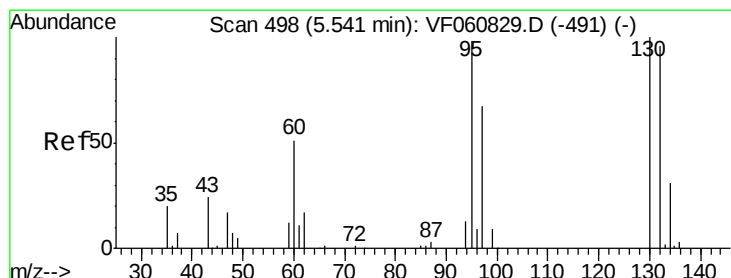
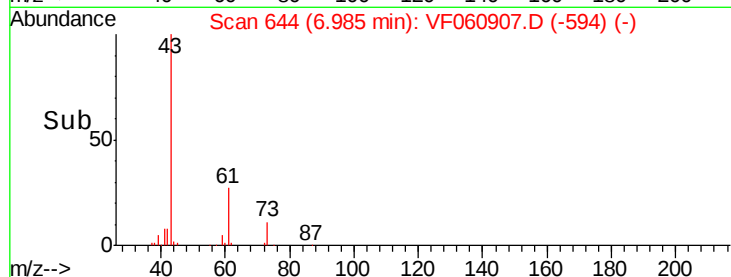
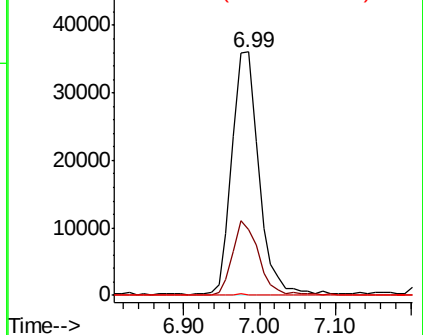


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

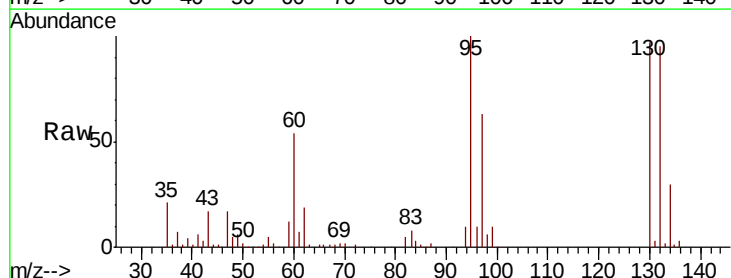
Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene
 Concen: 123.833 ug/l
 RT: 5.53 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

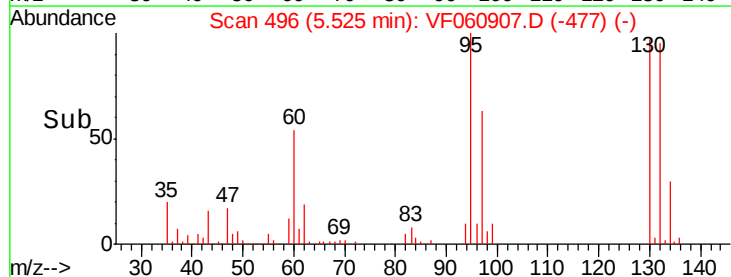
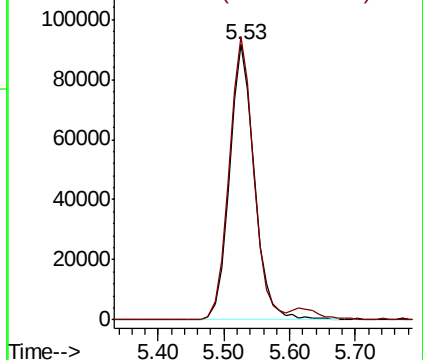
Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	195.6

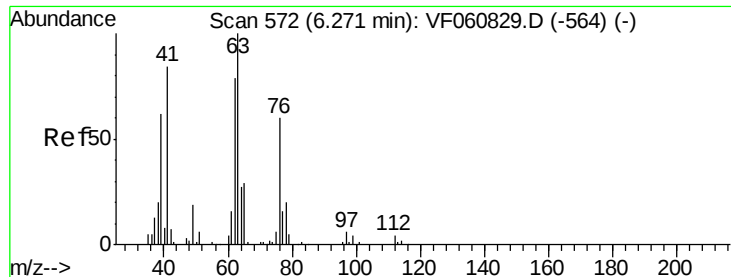


Abundance

Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 50.186 ug/l

RT: 6.26 min Scan# 570

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion: 63 Resp: 78339

Ion Ratio Lower Upper

63 100

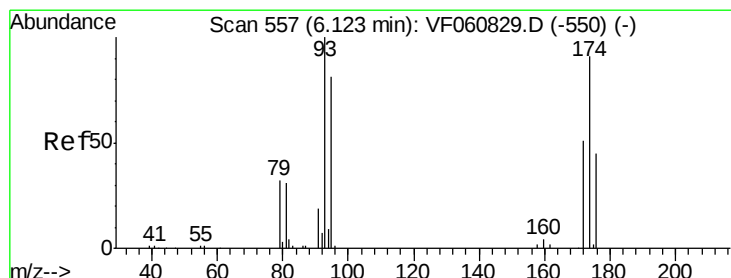
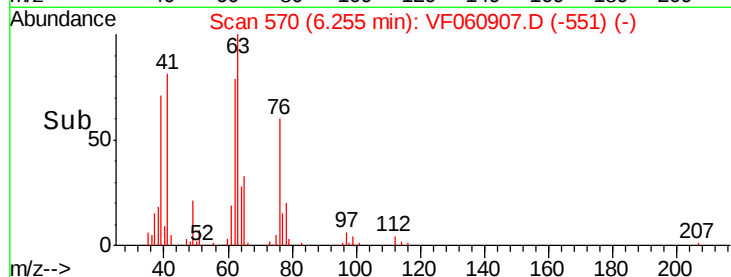
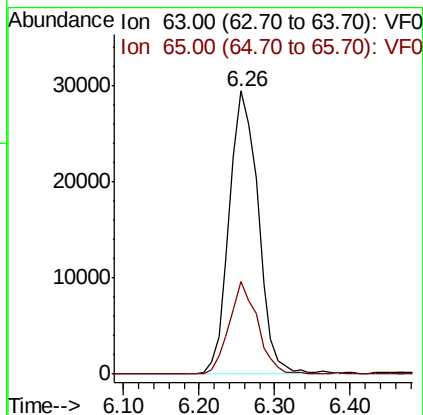
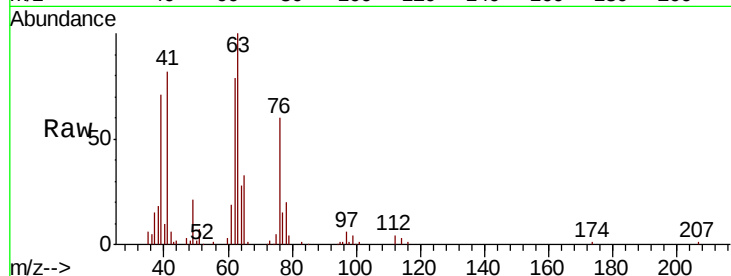
65 32.8 23.2 34.8

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#46

Dibromomethane

Concen: 54.795 ug/l

RT: 6.11 min Scan# 555

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

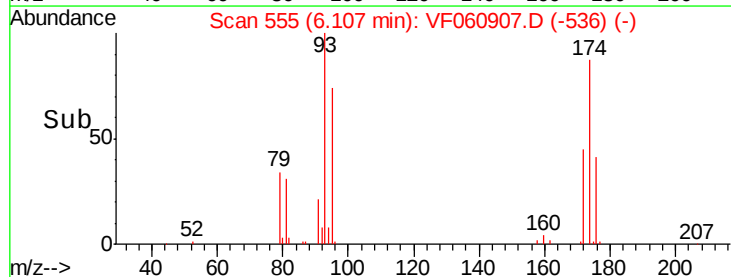
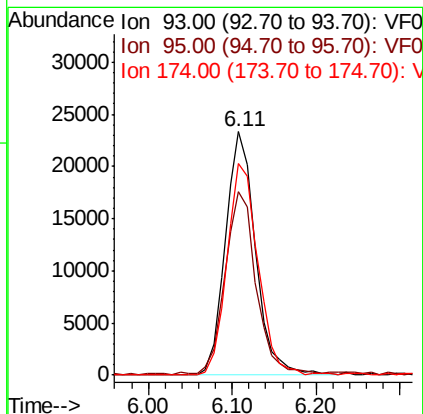
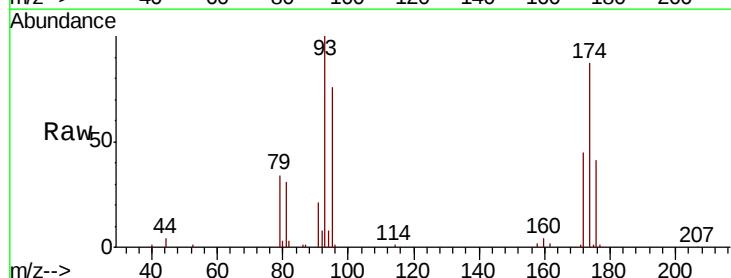
Tgt Ion: 93 Resp: 58023

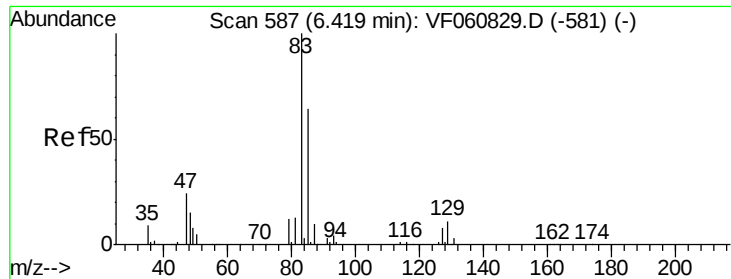
Ion Ratio Lower Upper

93 100

95 75.5 64.7 97.1

174 86.9 73.0 109.6





#47

Bromodichloromethane

Concen: 51.367 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

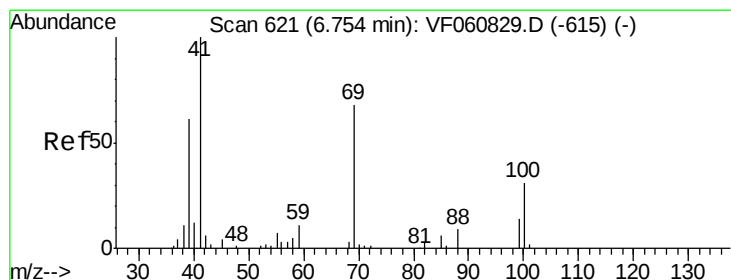
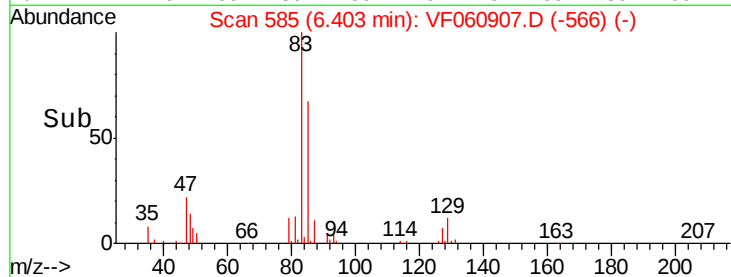
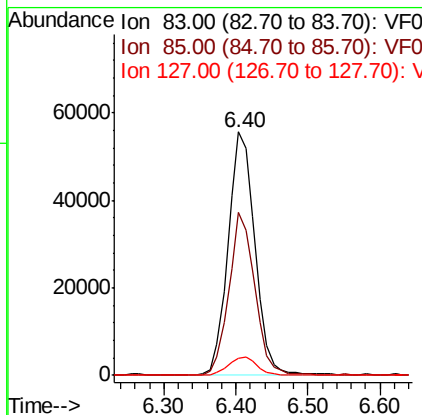
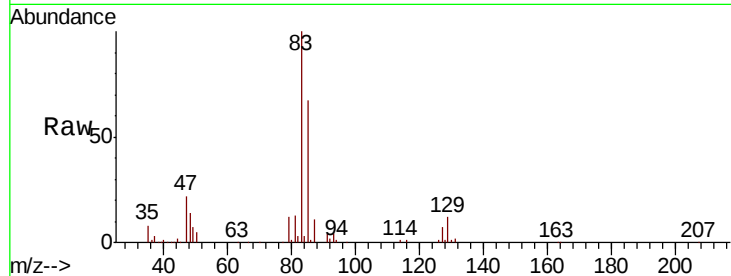
ClientSampleId :

S49-0483MS

Tot Ion:	83	Resp:	144467
Ion Ratio	Lower	Upper	
83	100		
85	66.7	51.1	76.7
127	6.9	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 60.358 ug/l

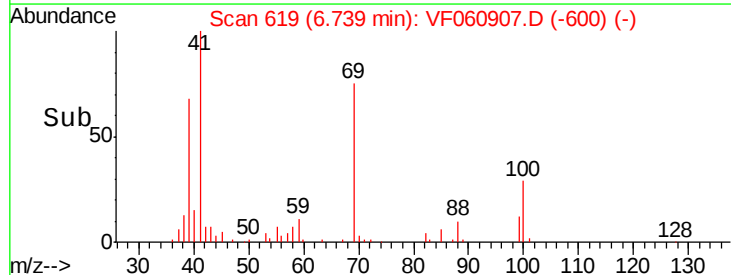
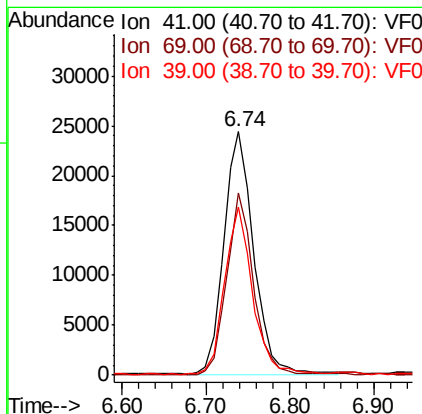
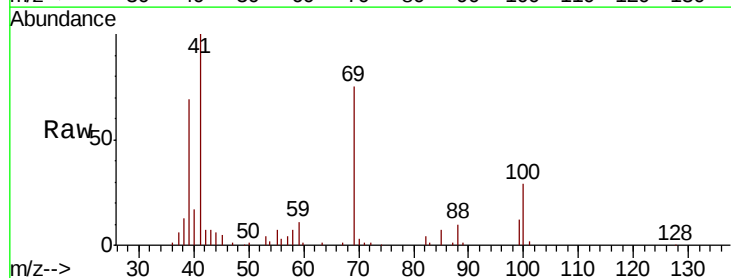
RT: 6.74 min Scan# 619

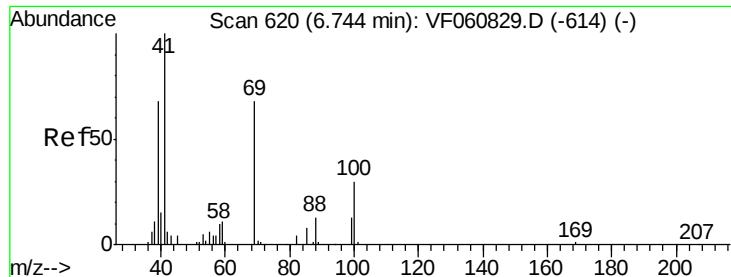
Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Tgt Ion:	41	Resp:	60403
Ion Ratio	Lower	Upper	
41	100		
69	74.7	53.9	80.9
39	69.0	49.0	73.6





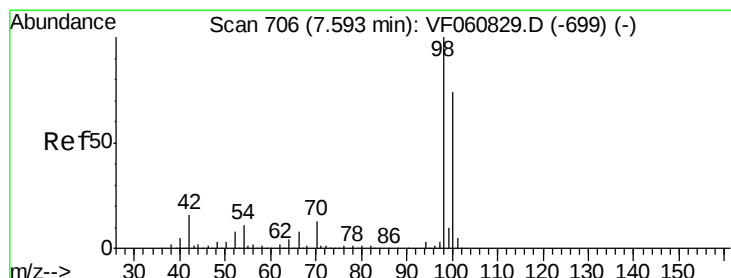
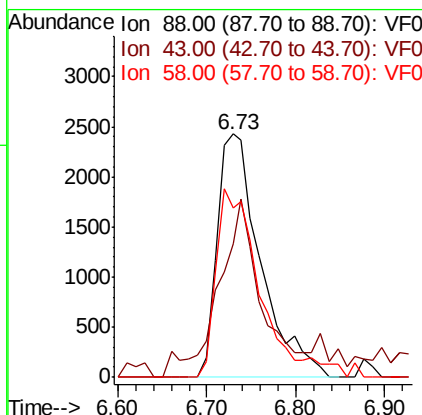
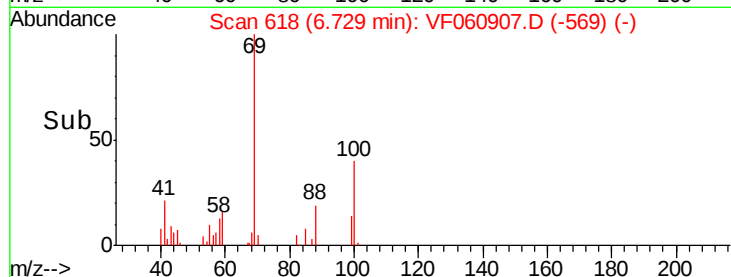
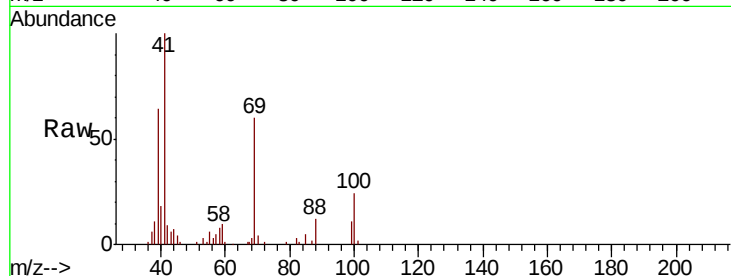
#49
1,4-Dioxane
Concen: 1126.825 ug/l
RT: 6.73 min Scan# 618
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	55.0	42.0	63.0	
58	69.7	61.8	92.8	

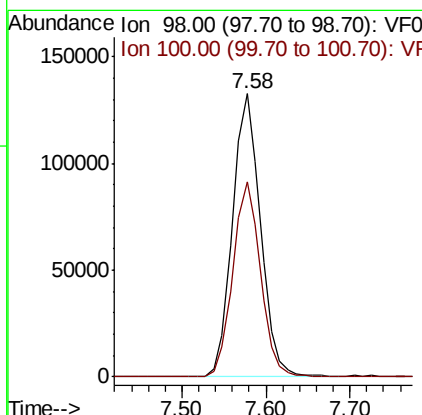
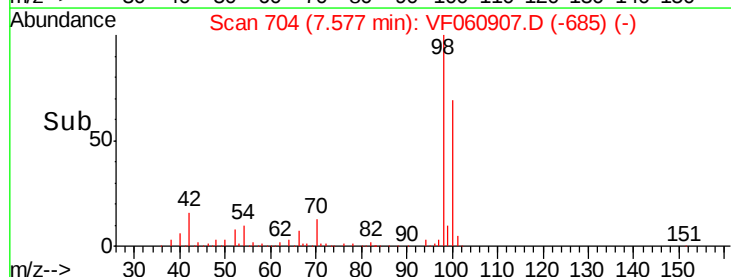
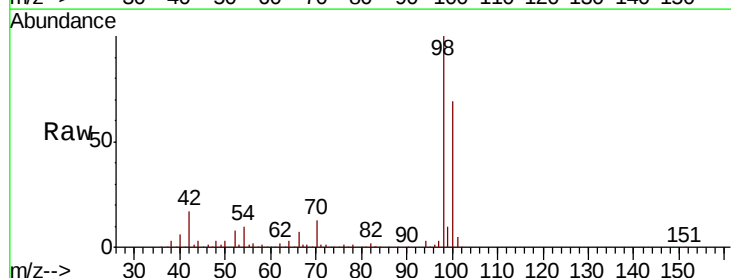
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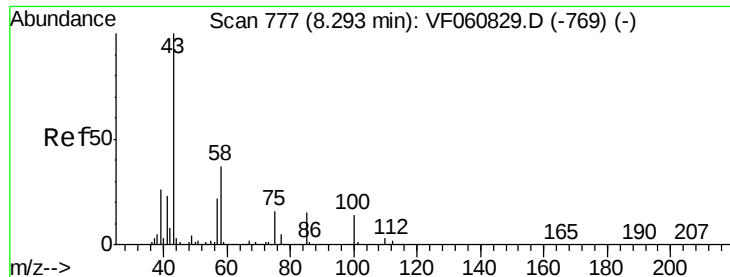
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#50
Toluene-d8
Concen: 53.636 ug/l
RT: 7.58 min Scan# 704
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	68.9	59.3	88.9	





#51

4-Methyl-2-Pentanone

Concen: 313.297 ug/l

RT: 8.28 min Scan# 775

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion: 43 Resp: 319413

Ion Ratio Lower Upper

43 100

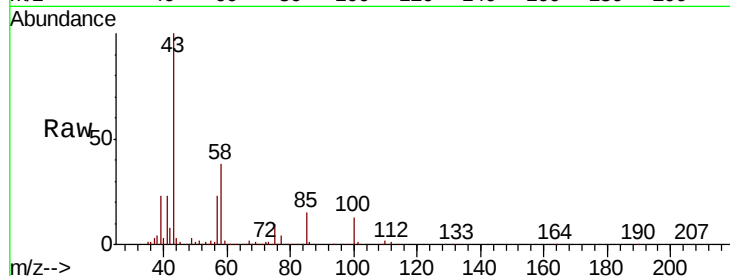
58 38.4 29.7 44.5

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

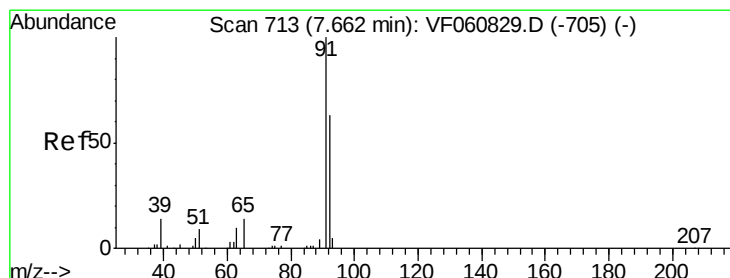
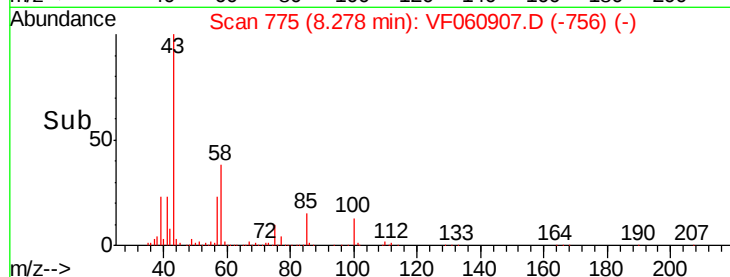
100000

50000

0

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 43.933 ug/l

RT: 7.65 min Scan# 711

Delta R.T. -0.02 min

Lab File: VF060907.D

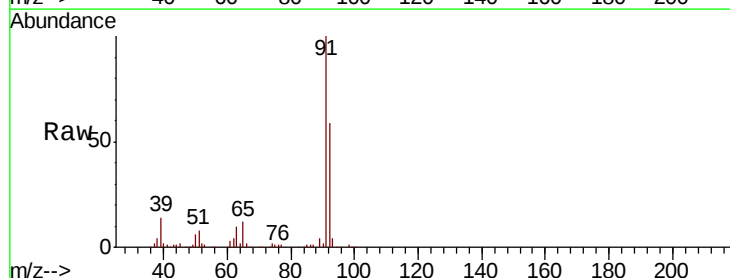
Acq: 3 Dec 2018 22:41

Tgt Ion: 92 Resp: 185473

Ion Ratio Lower Upper

92 100

91 169.1 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

150000

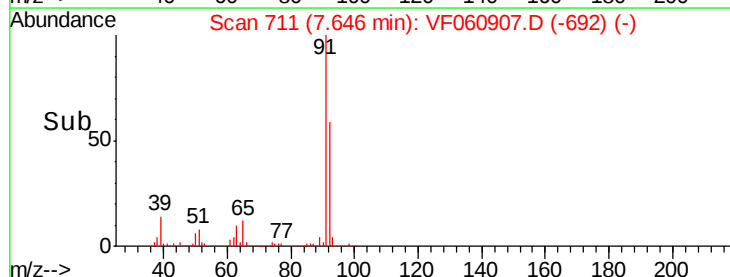
100000

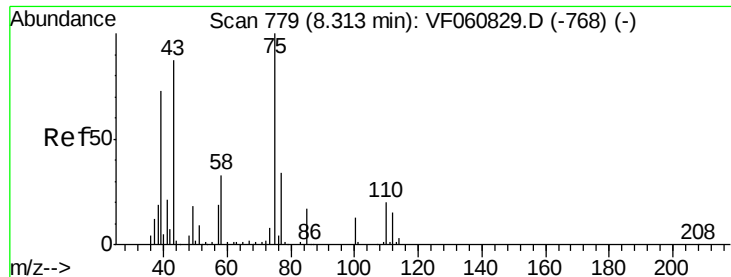
50000

0

7.50 7.60 7.70 7.80

Time-->





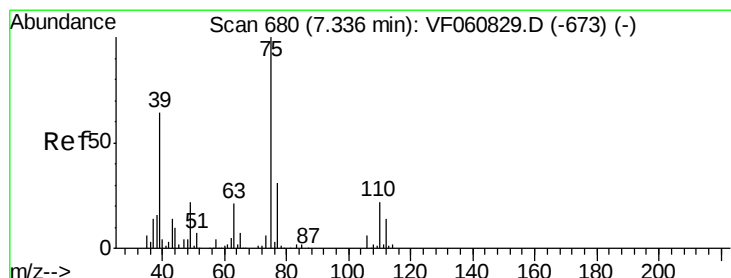
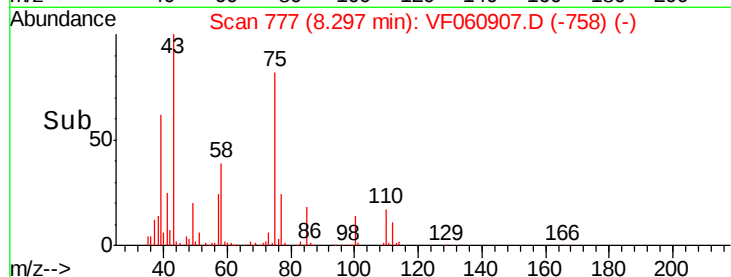
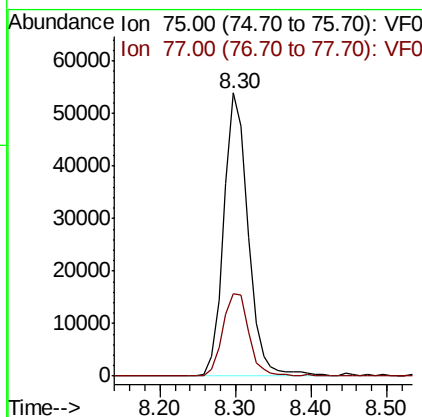
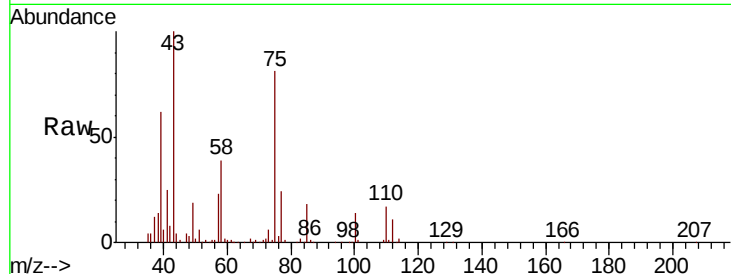
#53
t-1,3-Dichloropropene
Concen: 52.671 ug/l
RT: 8.30 min Scan# 777
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion: 75 Resp: 120495
Ion Ratio Lower Upper
75 100
77 29.2 27.4 41.2

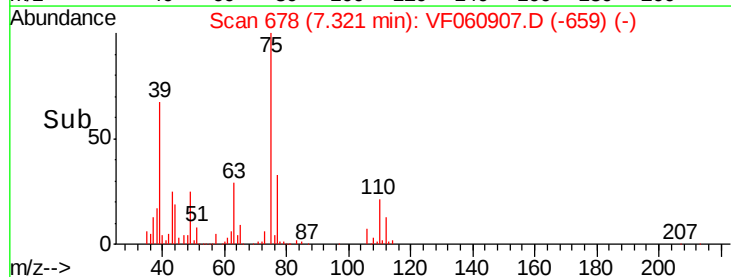
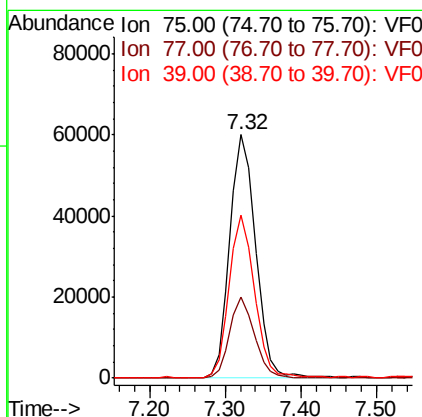
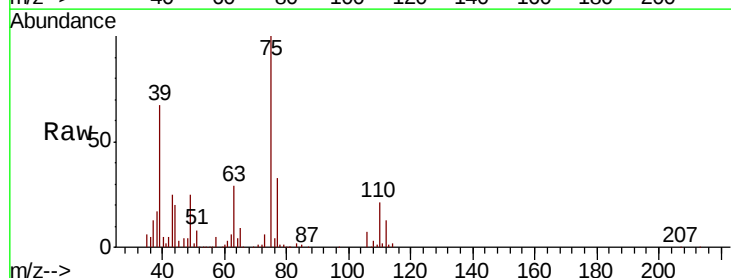
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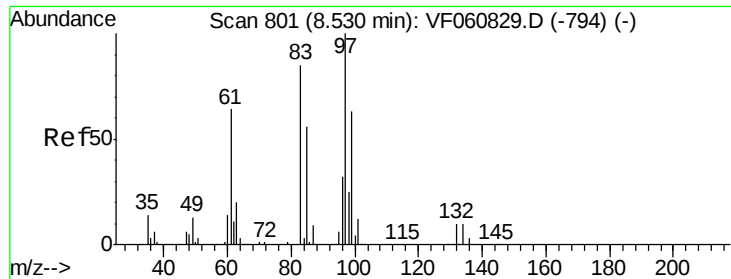
apatel
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#54
cis-1,3-Dichloropropene
Concen: 50.311 ug/l
RT: 7.32 min Scan# 678
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion: 75 Resp: 142486
Ion Ratio Lower Upper
75 100
77 33.3 25.0 37.6
39 67.1 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 56.249 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

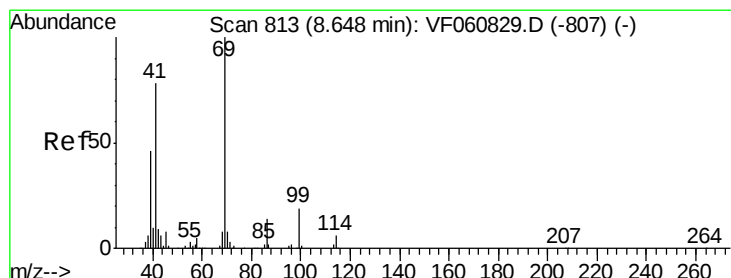
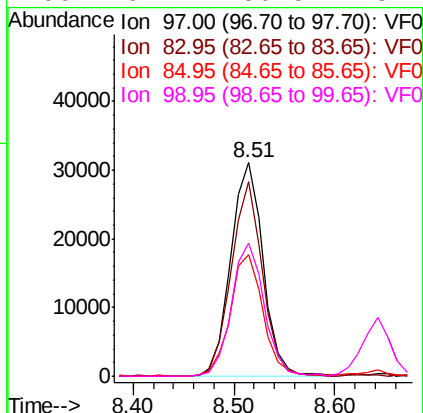
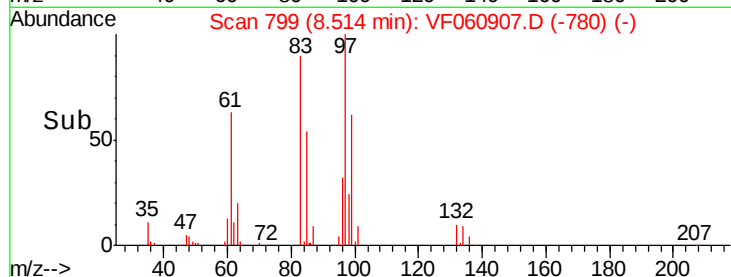
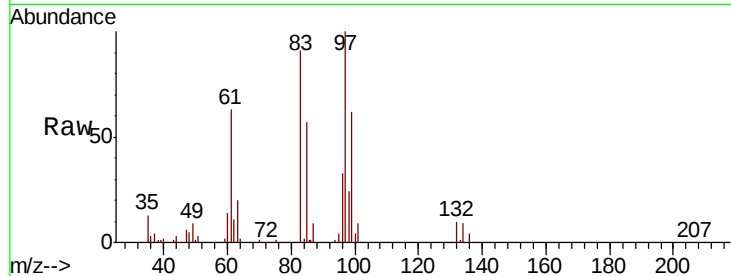
ClientSampleId :

S49-0483MS

Tot Ion:	97	Resp:	69196
Ion	Ratio	Lower	Upper
97	100		
83	90.9	67.8	101.6
85	56.8	45.0	67.6
99	62.4	50.5	75.7

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#56

Ethyl methacrylate

Concen: 59.171 ug/l

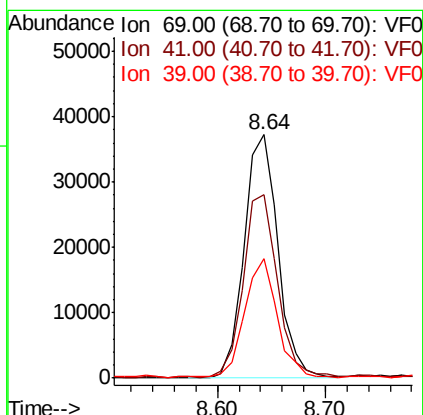
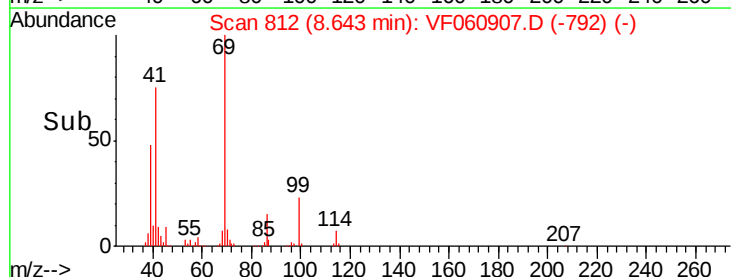
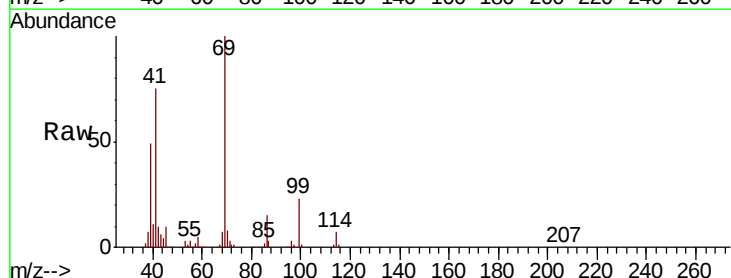
RT: 8.64 min Scan# 812

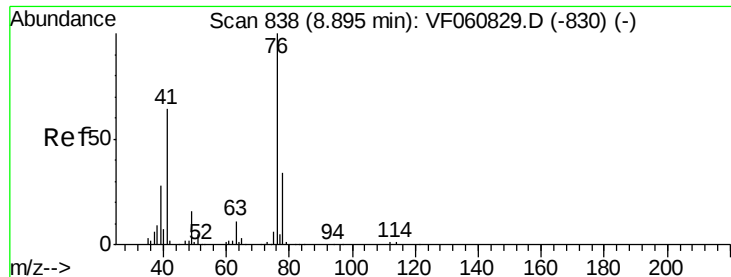
Delta R.T. -0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Tgt Ion:	69	Resp:	80860
Ion	Ratio	Lower	Upper
69	100		
41	75.3	62.6	94.0
39	49.0	37.8	56.6





#57

1,3-Dichloropropane

Concen: 55.877 ug/l

RT: 8.88 min Scan# 836

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion: 76 Resp: 120261

Ion Ratio Lower Upper

76 100

78 32.6

27.0

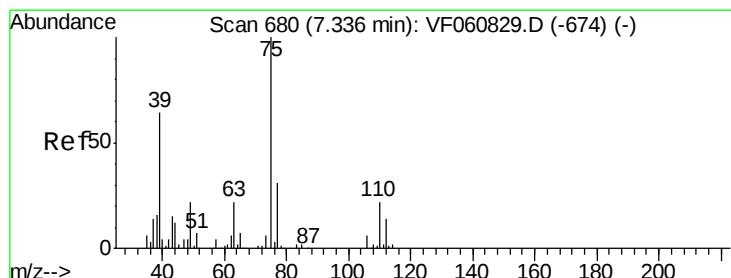
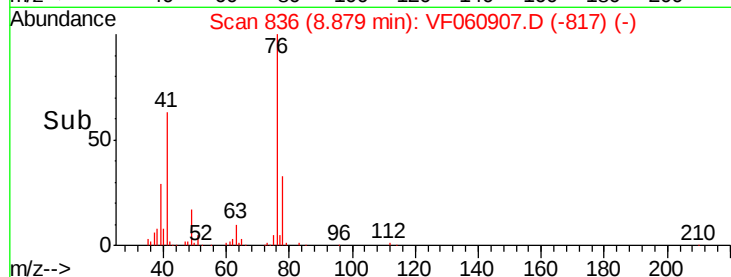
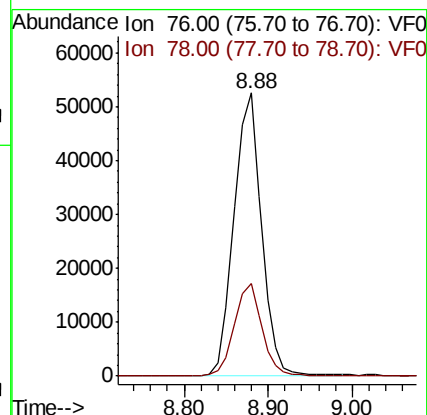
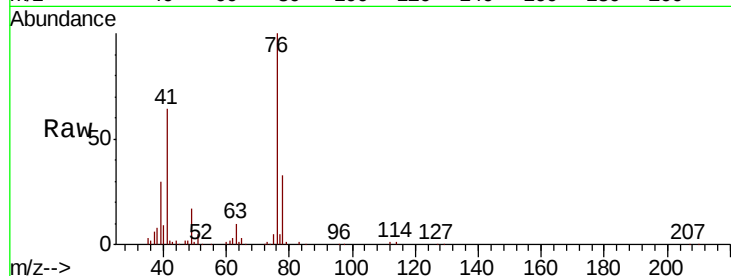
40.4

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#58

2-Chloroethyl Vinyl ether

Concen: 295.445 ug/l

RT: 7.32 min Scan# 678

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Tgt Ion: 63 Resp: 41297

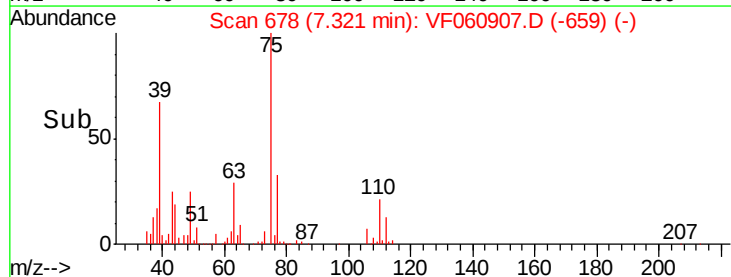
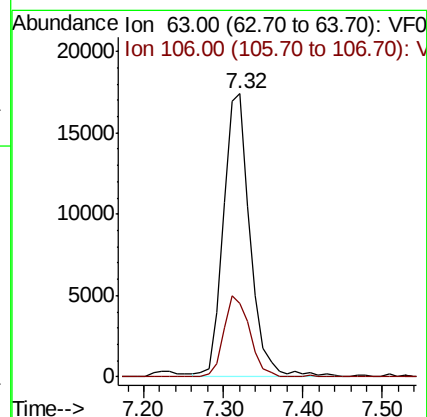
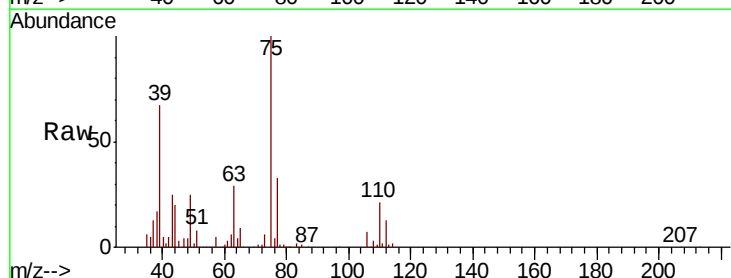
Ion Ratio Lower Upper

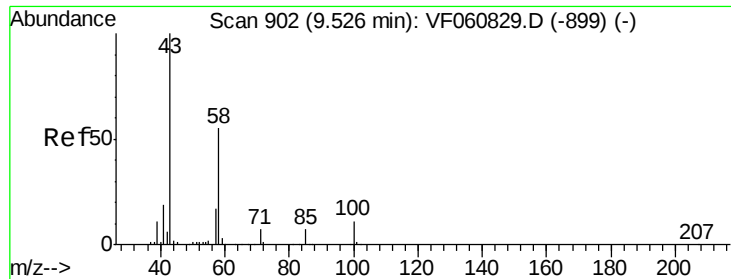
63 100

106 25.8

23.0

34.6





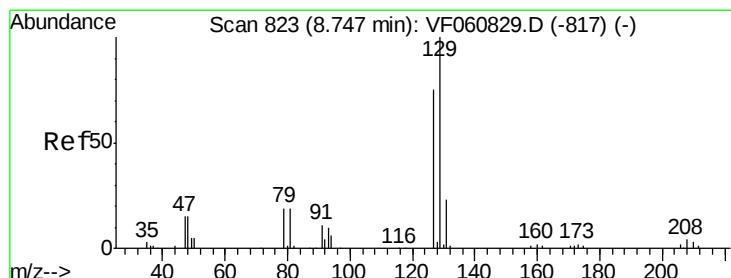
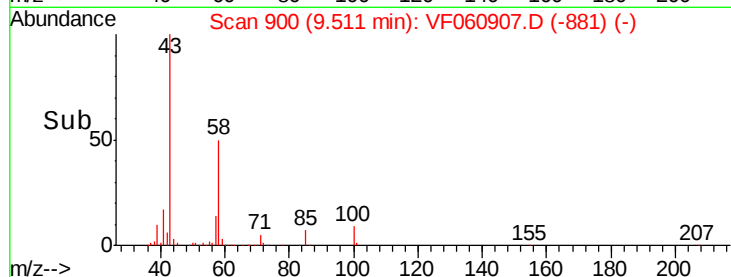
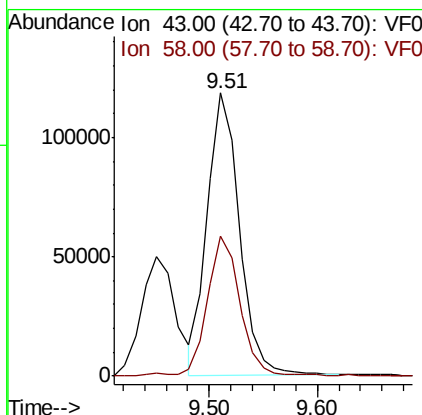
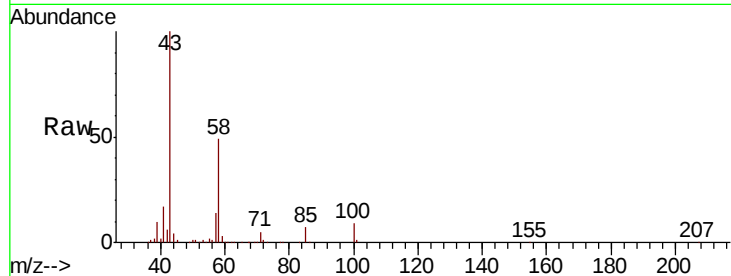
#59
2-Hexanone
Concen: 342.111 ug/l
RT: 9.51 min Scan# 900
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	43	Resp	244697
Ion Ratio	43	100	
Lower	58	49.4	25.6
Upper			76.6

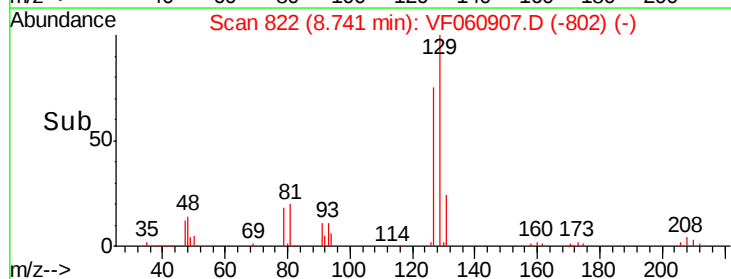
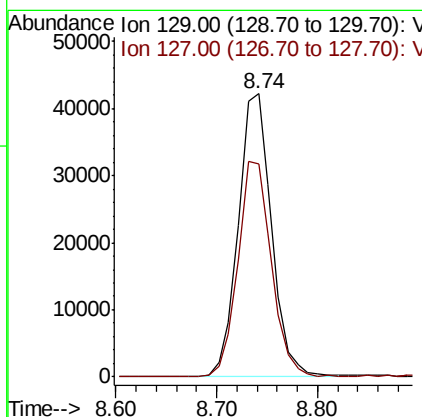
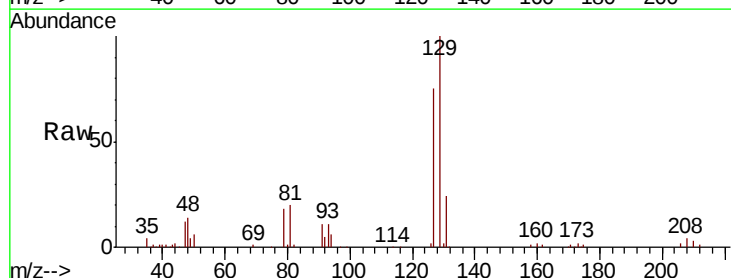
Manual Integrations
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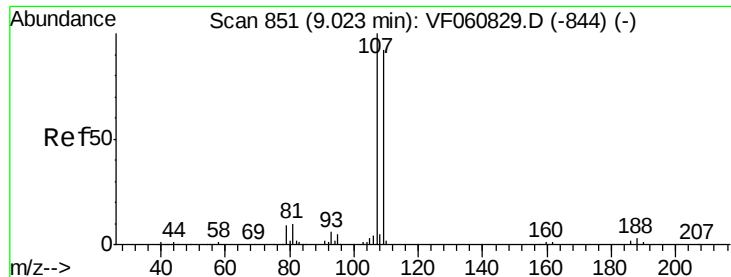
apatel
12/4/2018 2:52:32 PM



#60
Dibromochloromethane
Concen: 53.041 ug/l
RT: 8.74 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion	129	Resp	97219
Ion Ratio	129	100	
Lower	127	75.1	37.3
Upper			111.9





#61

1,2-Dibromoethane

Concen: 53.845 ug/l

RT: 9.01 min Scan# 849

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion:107 Resp: 71557

Ion Ratio Lower Upper

107 100

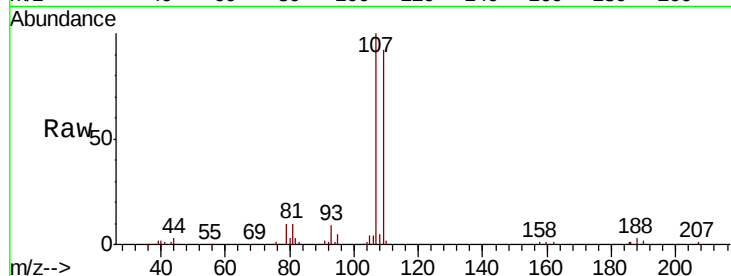
109 92.0 73.6 110.4

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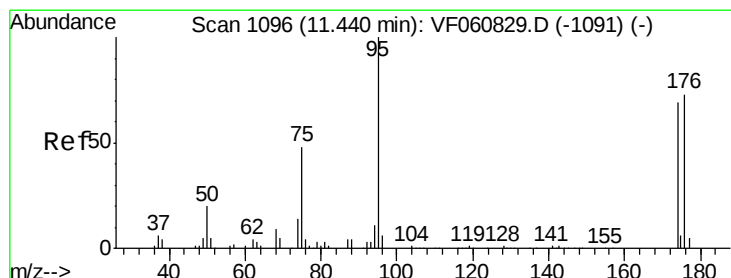
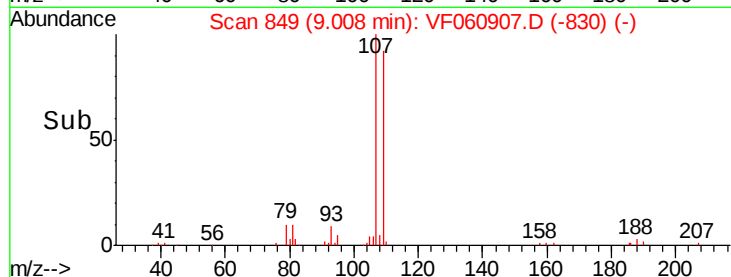
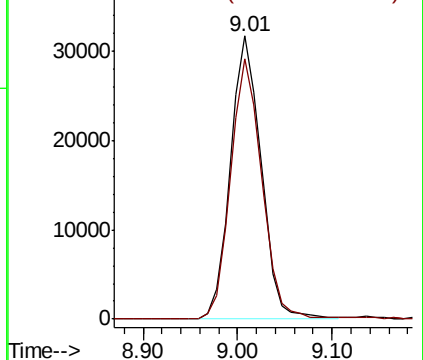
apatel

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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: 53.152 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

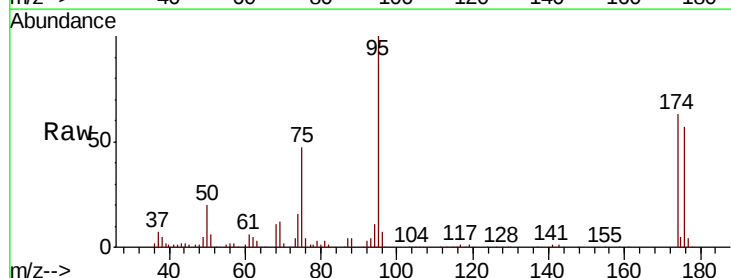
Tgt Ion: 95 Resp: 138468

Ion Ratio Lower Upper

95 100

174 62.9 0.0 138.2

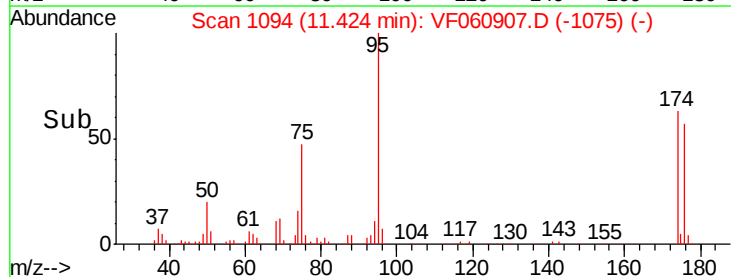
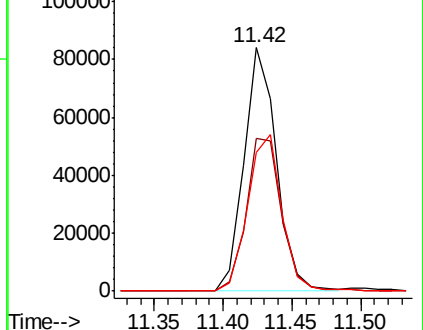
176 57.1 0.0 146.2

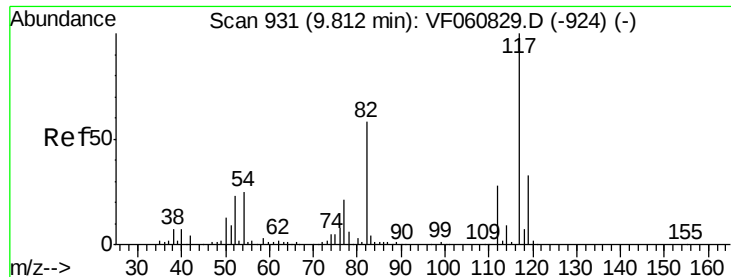


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





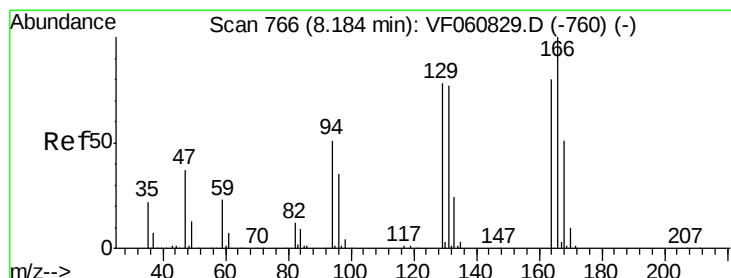
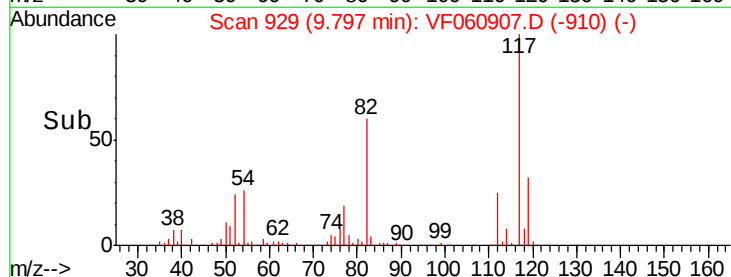
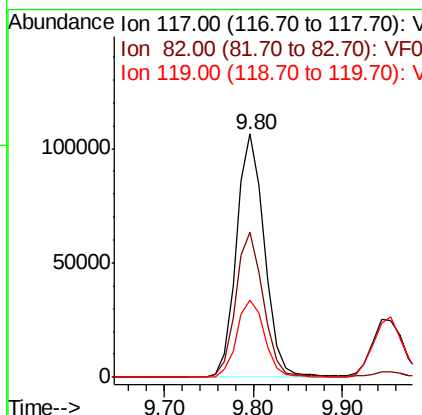
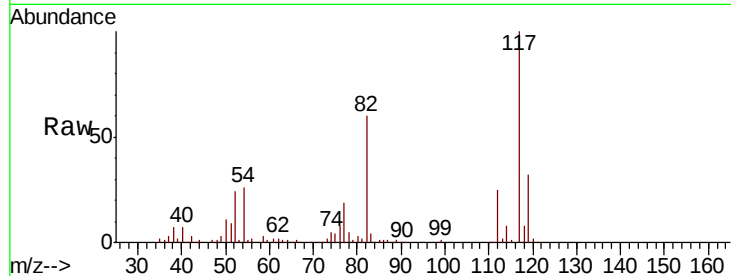
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	233288		
82	59.7	46.6	69.8	
119	31.5	26.4	39.6	

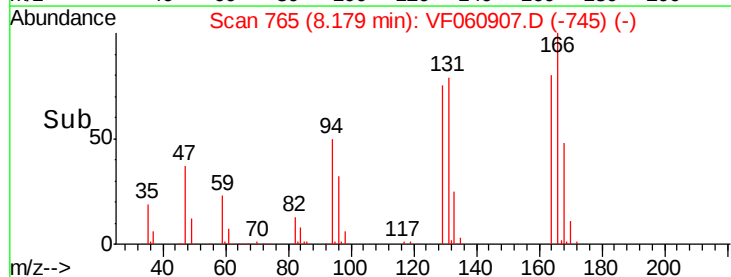
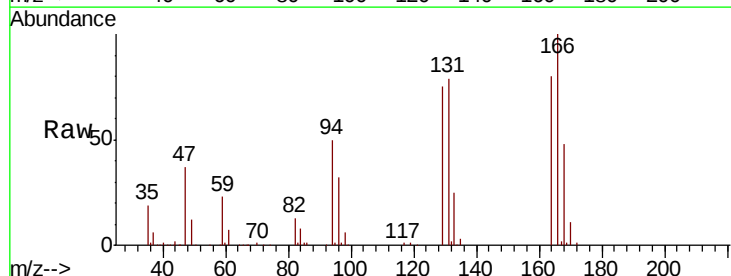
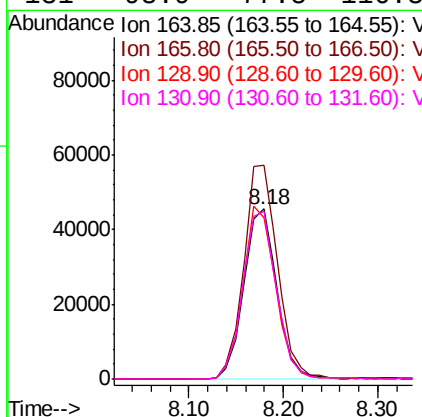
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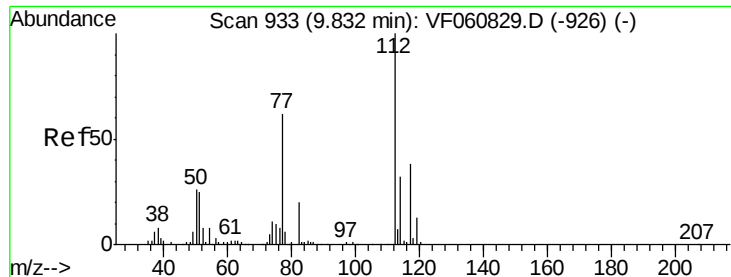
apatel
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#64
Tetrachloroethene
Concen: 61.845 ug/l
RT: 8.18 min Scan# 765
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	110199		
166	125.7	100.3	150.5	
129	94.7	77.9	116.9	
131	98.9	77.5	116.3	





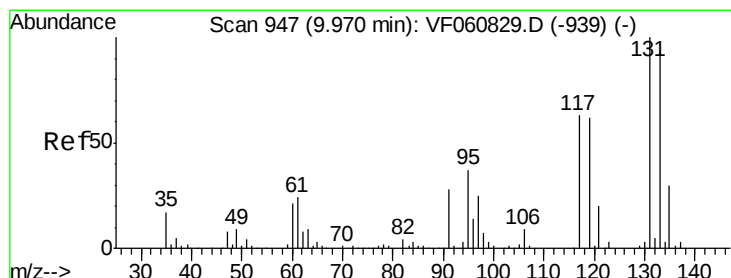
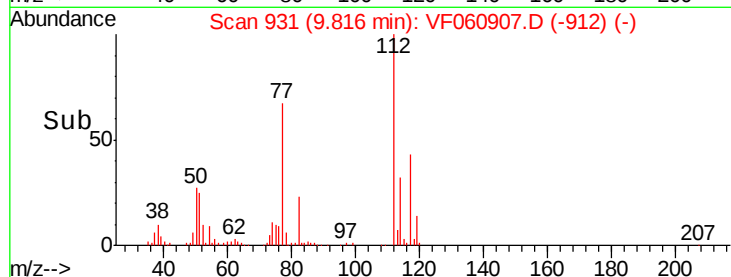
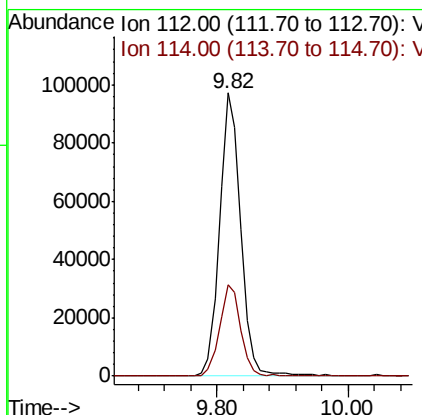
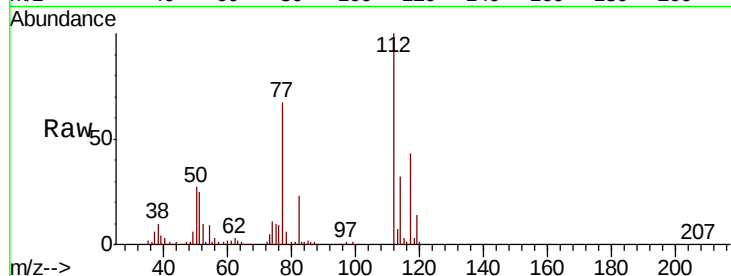
#65
Chlorobenzene
Concen: 47.846 ug/l
RT: 9.82 min Scan# 931
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion:112 Resp: 217142
Ion Ratio Lower Upper
112 100
114 32.3 26.0 39.0

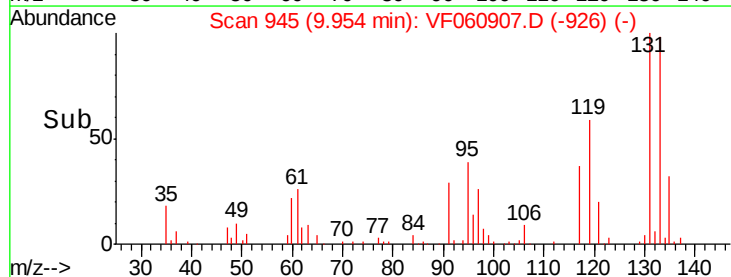
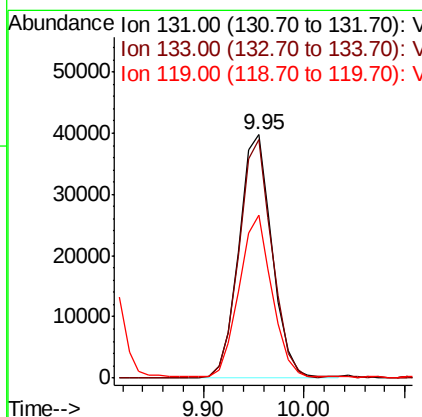
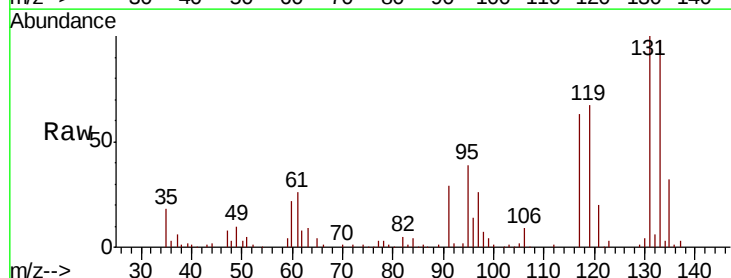
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.622 ug/l
RT: 9.95 min Scan# 945
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion:131 Resp: 90962
Ion Ratio Lower Upper
131 100
133 97.8 46.5 139.3
119 67.2 31.1 93.3





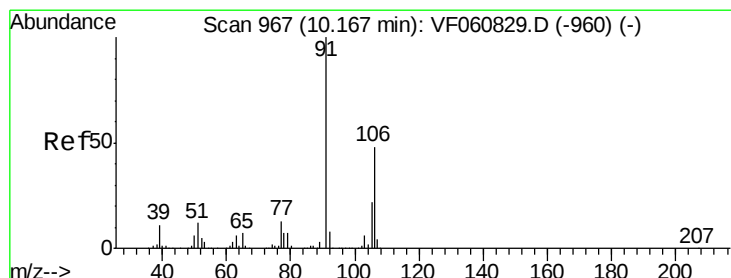
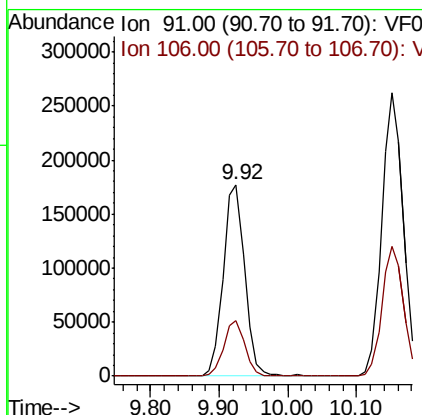
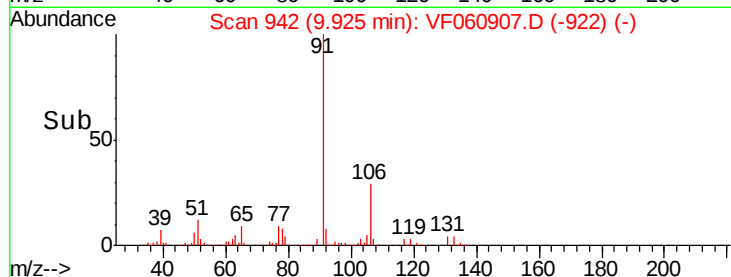
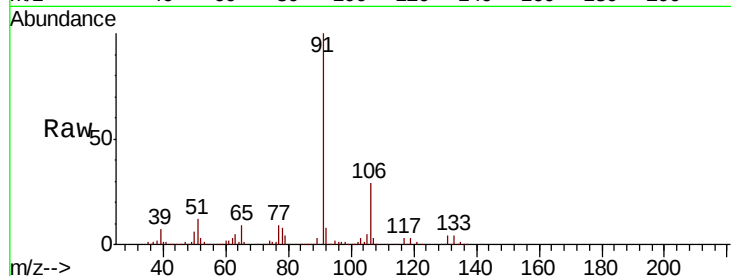
#67
Ethyl Benzene
Concen: 45.658 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	29.0	22.2	33.2	

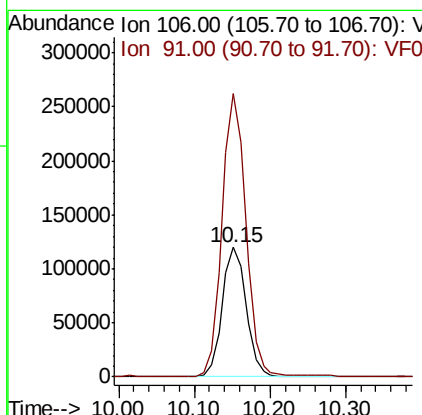
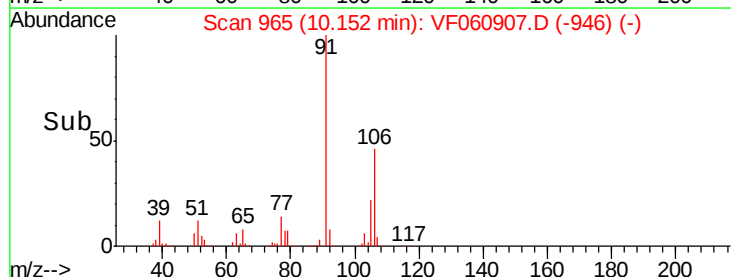
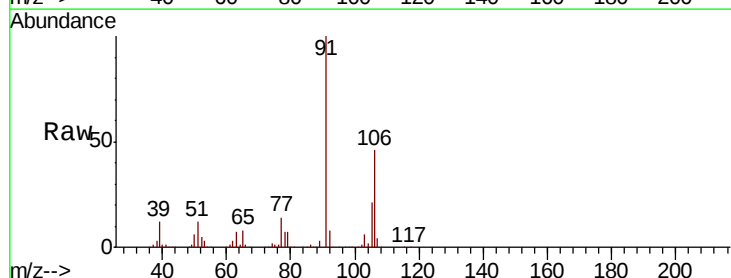
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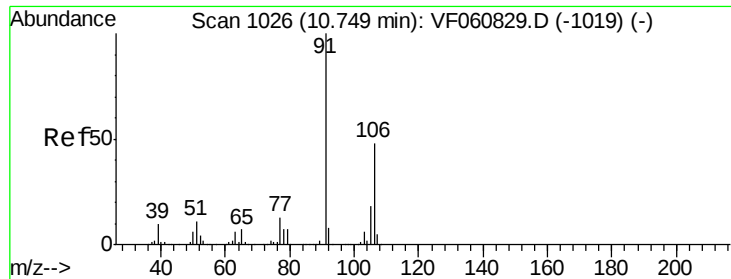
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#68
m/p-Xylenes
Concen: 87.257 ug/l
RT: 10.15 min Scan# 965
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	219.0	166.7	250.1	





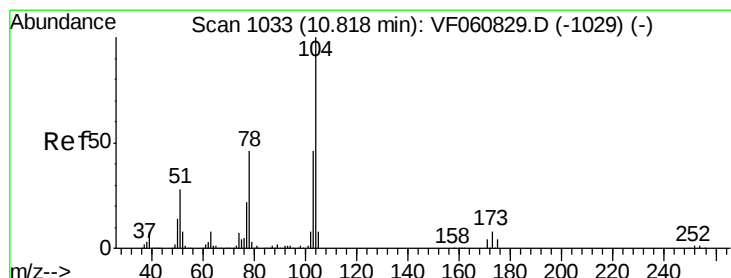
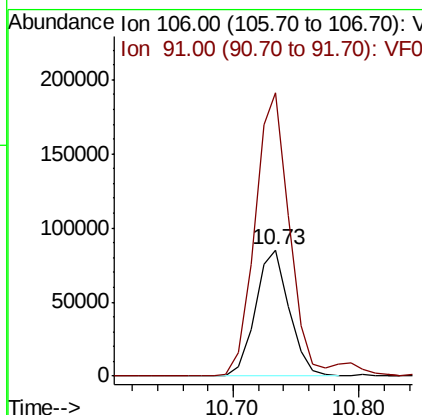
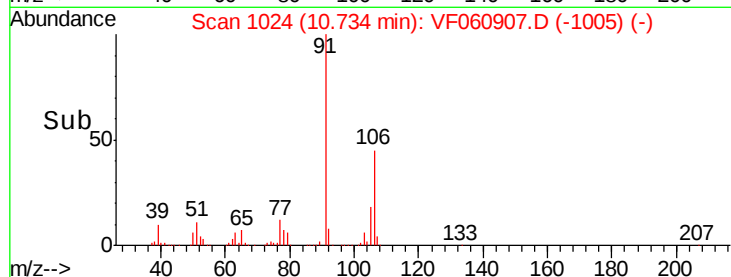
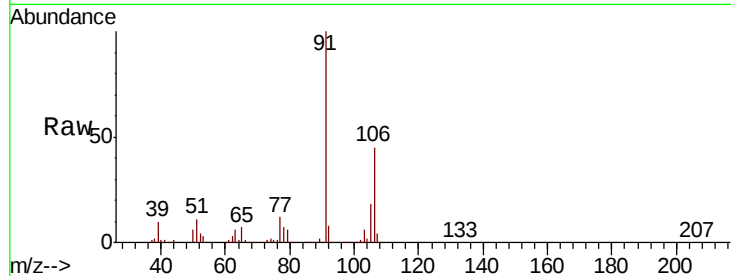
#69
o-Xylene
Concen: 47.286 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	224.7	104.8	158452	314.6	

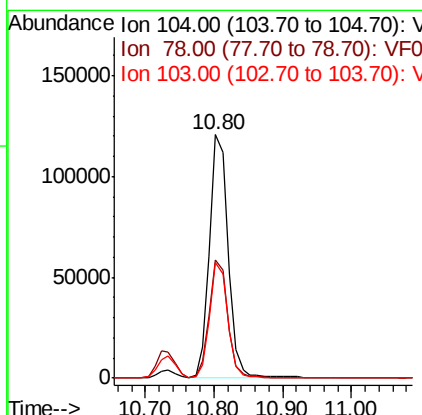
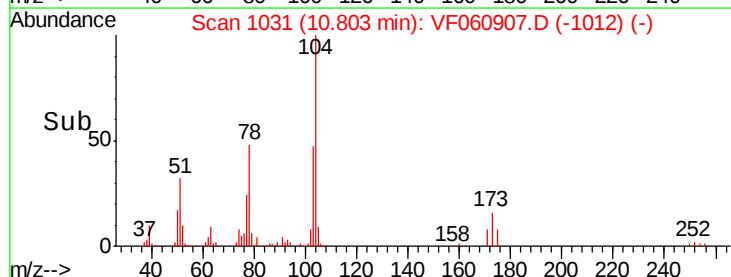
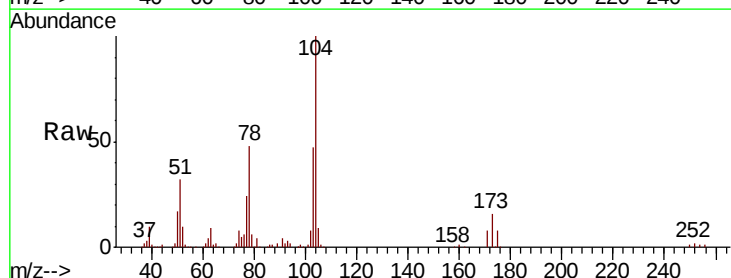
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#70
Styrene
Concen: 49.197 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.5	37.3	228524	55.9	
103	47.4	36.8	228524	55.2	





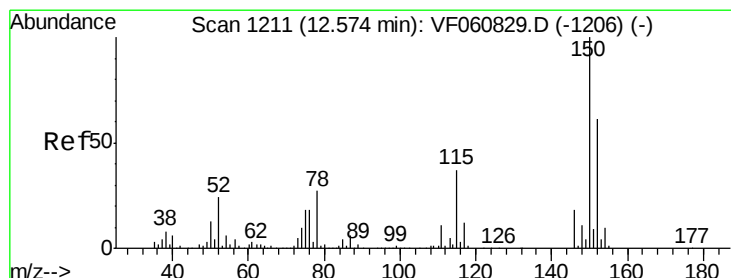
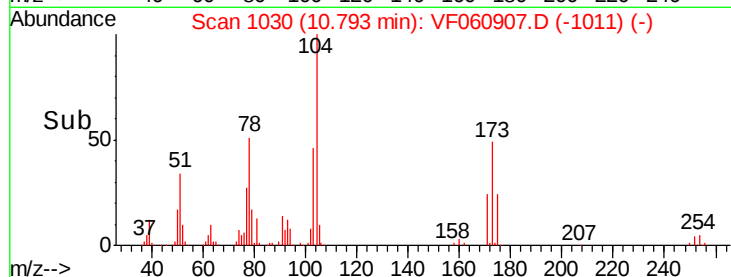
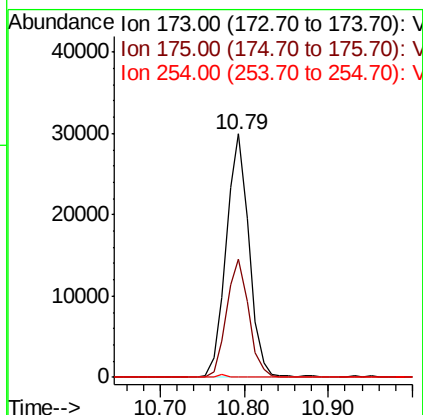
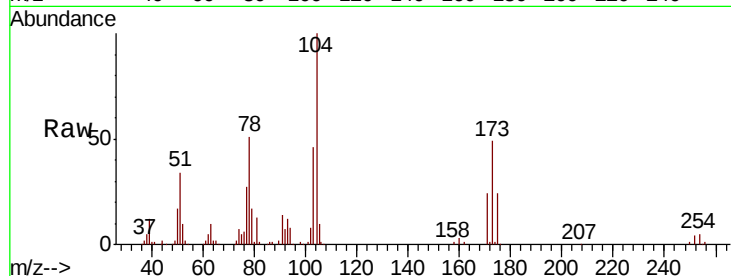
#71
Bromoform
Concen: 59.936 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	25.5	76.5
254	0.0	7.5	11.3

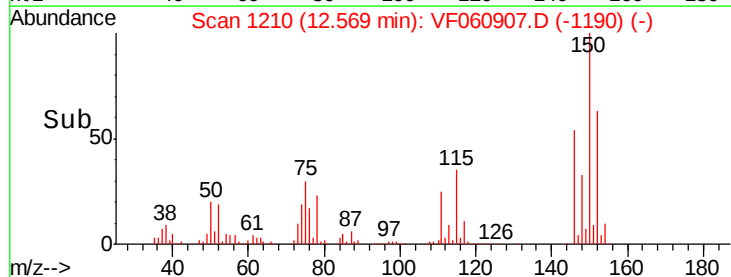
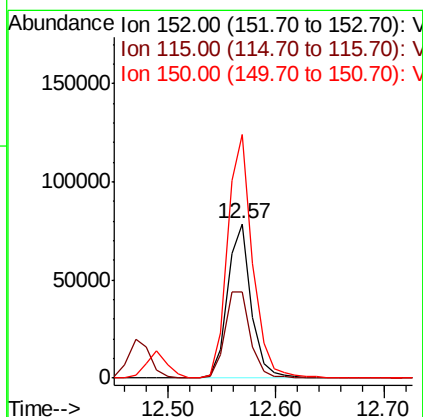
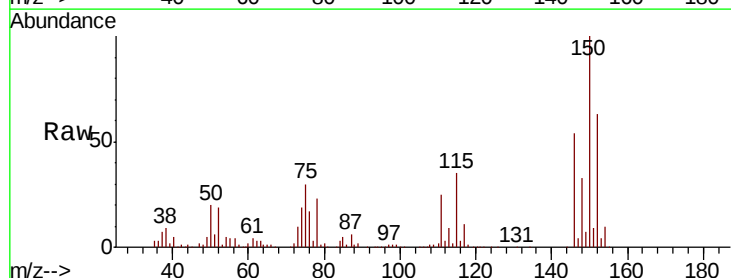
Manual Integrations
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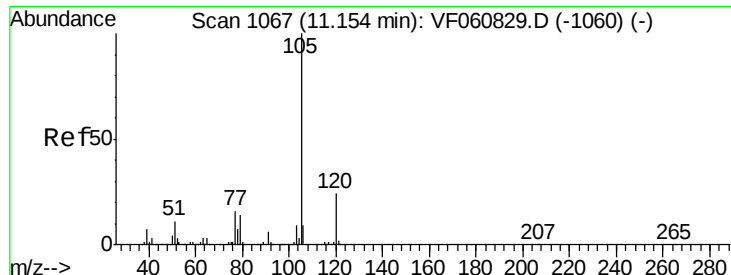
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12/4/2018 2:52:32 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	30.1	90.5
150	157.6	0.0	327.6





#73

Isopropylbenzene

Concen: 47.372 ug/l

RT: 11.14 min Scan# 1065

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion: 105 Resp: 448850

Ion Ratio Lower Upper

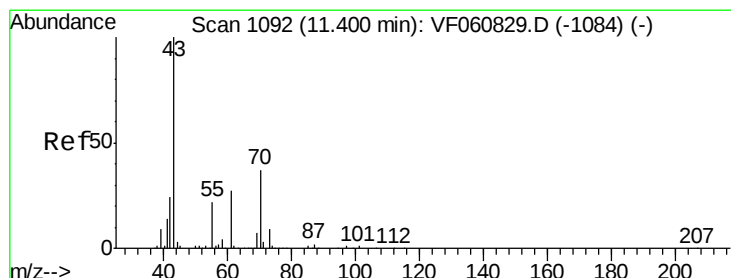
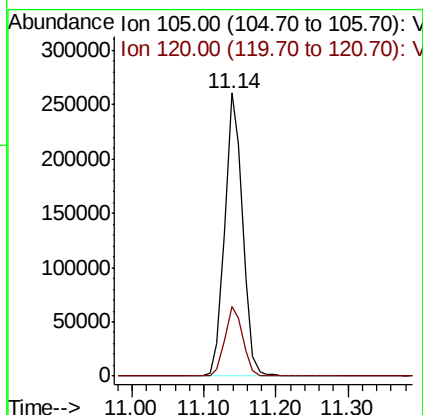
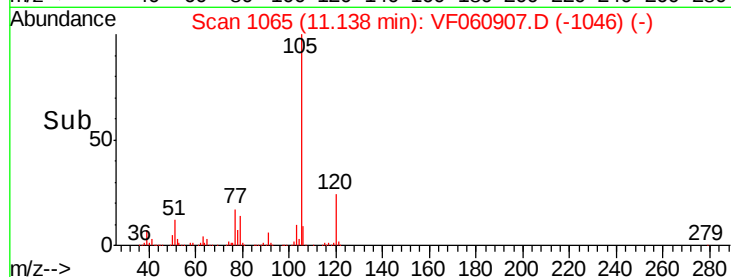
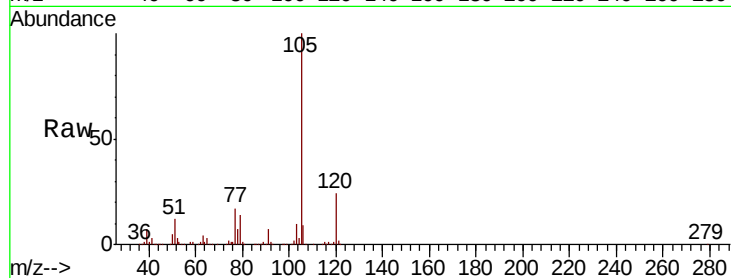
105 100

120 24.4 12.2 36.4

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#74

N-ethyl acetate

Concen: 63.414 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Tgt Ion: 43 Resp: 138744

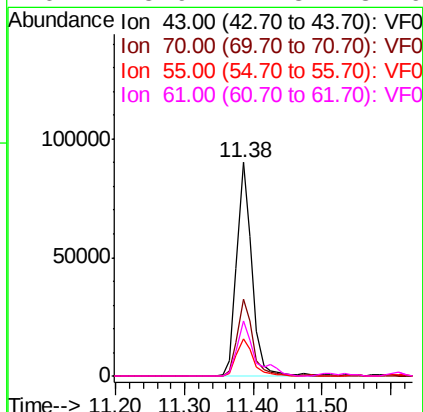
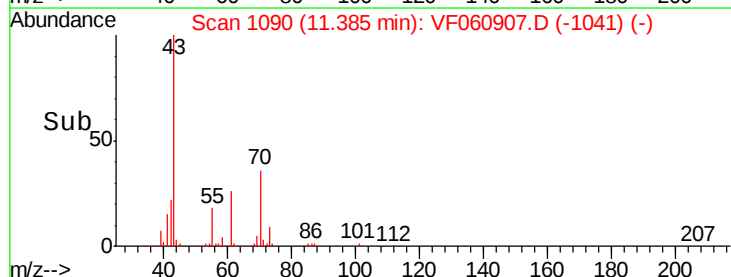
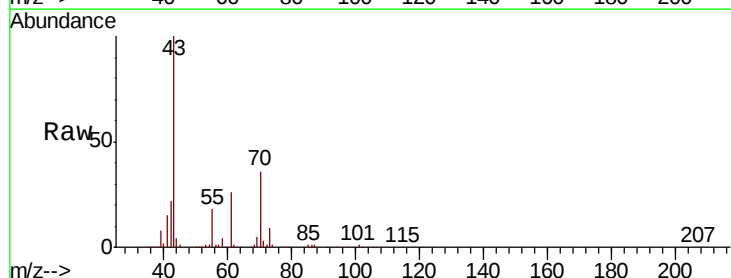
Ion Ratio Lower Upper

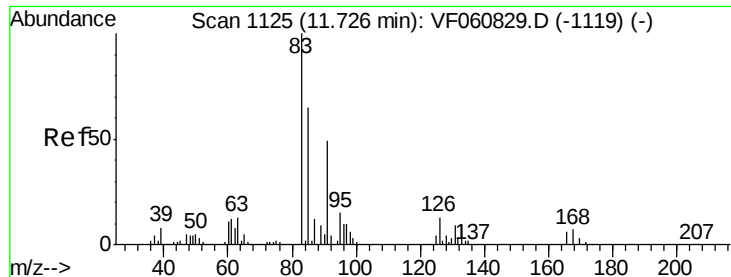
43 100

70 35.8 29.6 44.4

55 17.7 17.2 25.8

61 25.9 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 62.792 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

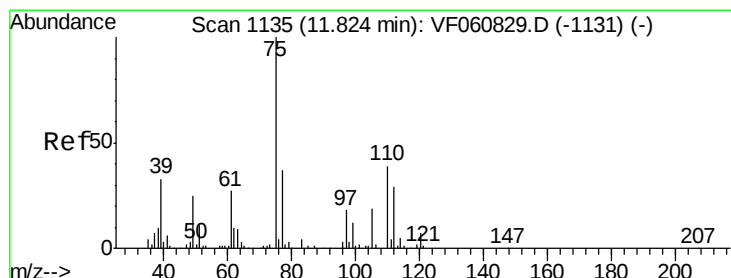
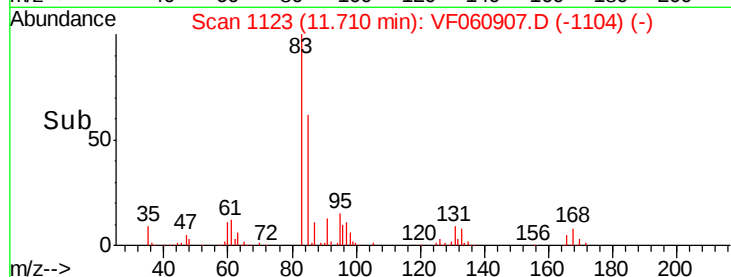
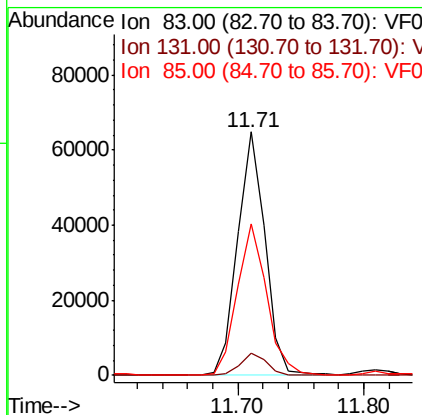
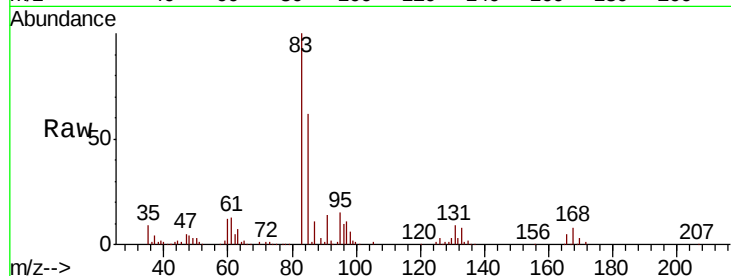
ClientSampleId :

S49-0483MS

Tot Ion	83	Resp	97917
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.7	14.1
85	62.2	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 63.624 ug/l

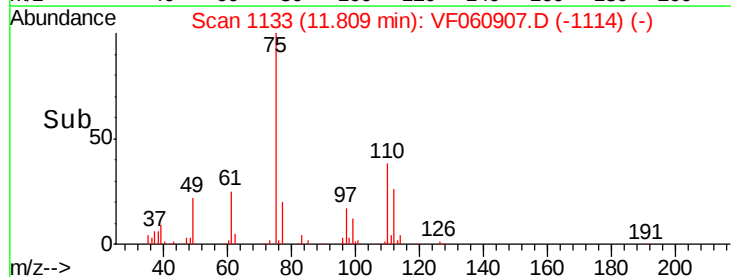
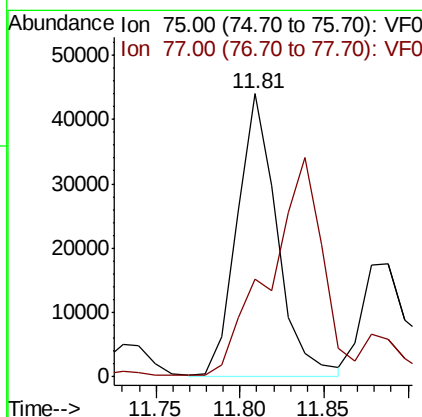
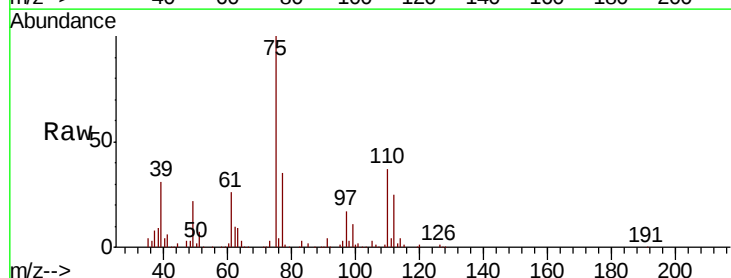
RT: 11.81 min Scan# 1133

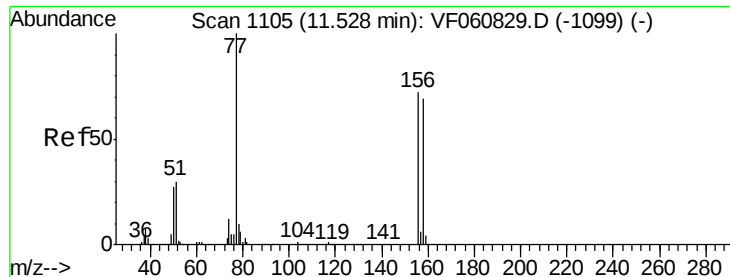
Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Tgt Ion	75	Resp	72115
Ion	Ratio	Lower	Upper
75	100		
77	34.7	18.4	55.4





#77

Bromobenzene

Concen: 49.560 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

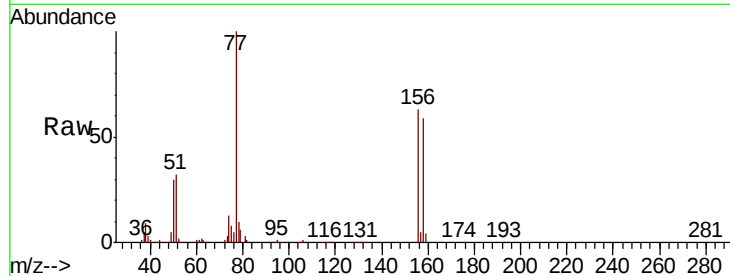
ClientSampleId :

S49-0483MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	159.3	69.7	209.0
158	93.6	47.8	143.4

Manual Integrations
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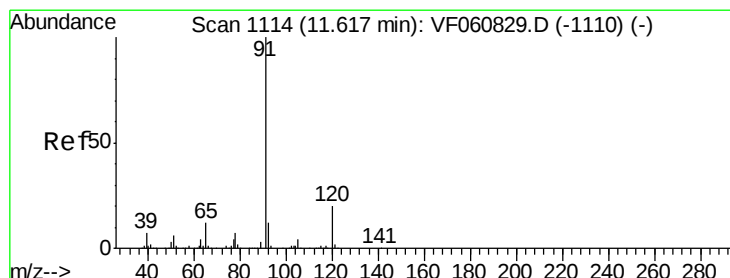
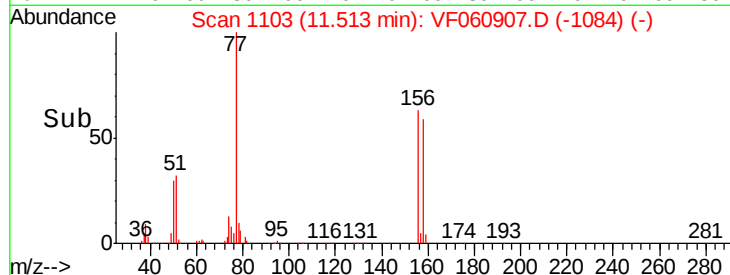
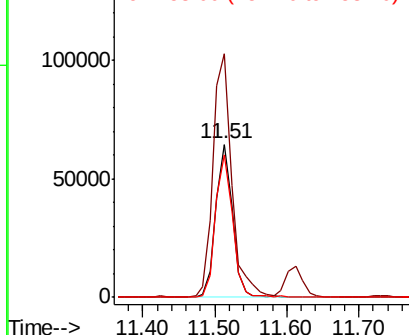
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 46.506 ug/l

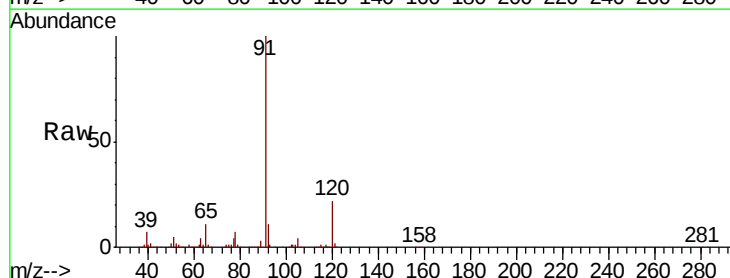
RT: 11.61 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060907.D

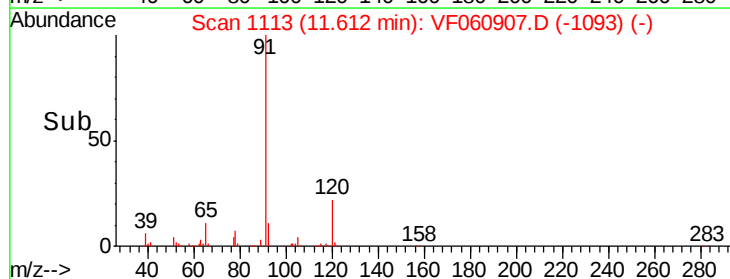
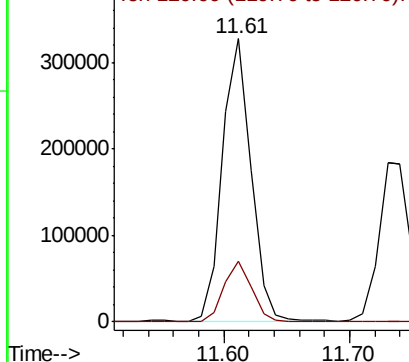
Acq: 3 Dec 2018 22:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.3	30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





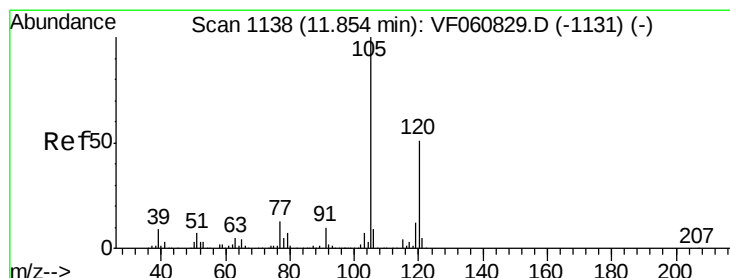
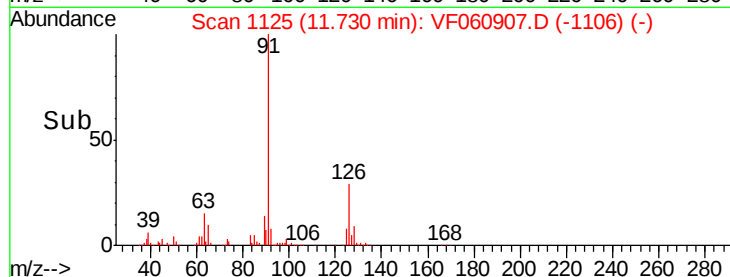
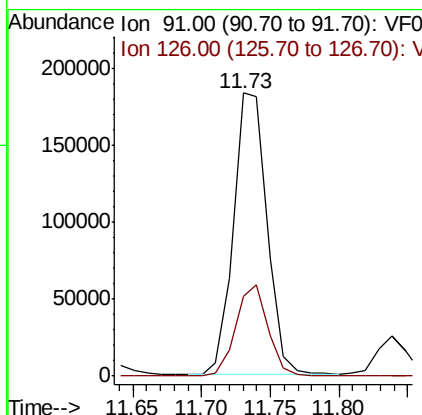
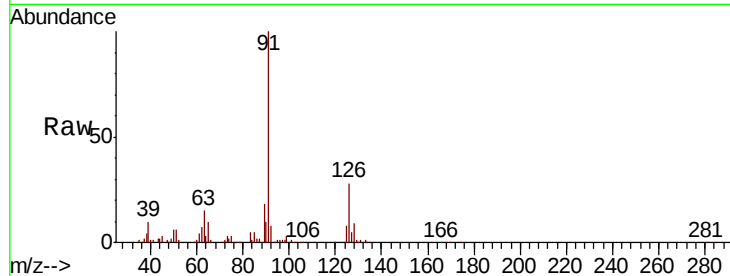
#79
 2-Chlorotoluene
 Concen: 49.077 ug/l
 RT: 11.73 min Scan# 1125
 Delta R.T. -0.02 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		312241		
126	28.4	15.9	47.6		

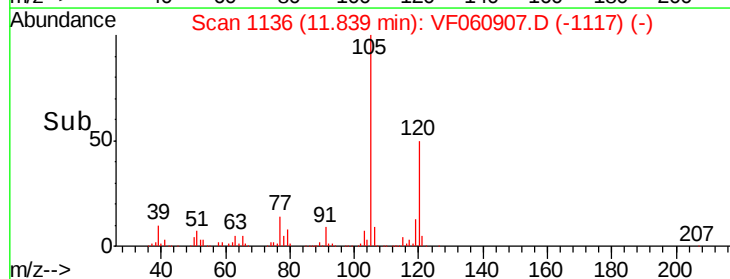
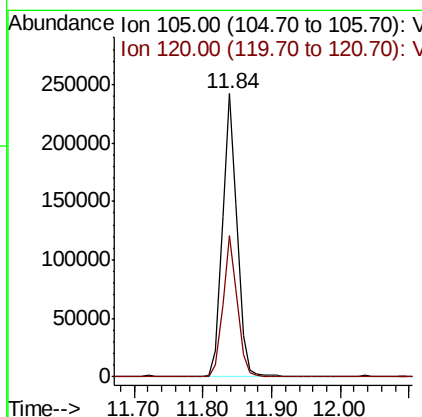
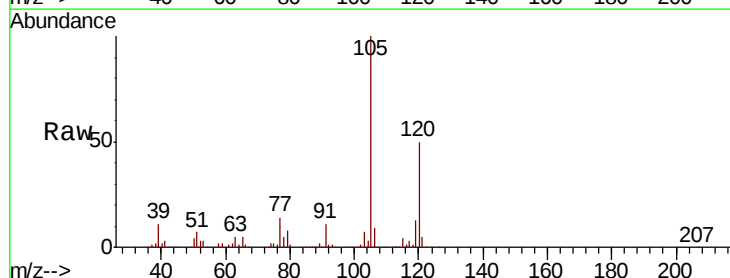
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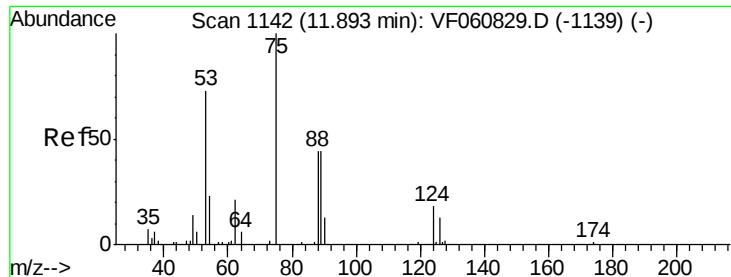
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#80
 1,3,5-Trimethylbenzene
 Concen: 46.456 ug/l
 RT: 11.84 min Scan# 1136
 Delta R.T. -0.02 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		357337		
120	50.0	25.8	77.3		





#81

trans-1,4-Dichloro-2-butene

Concen: 59.552 ug/l m

RT: 11.89 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion: 75 Resp: 33072
Ion Ratio Lower Upper

75 100

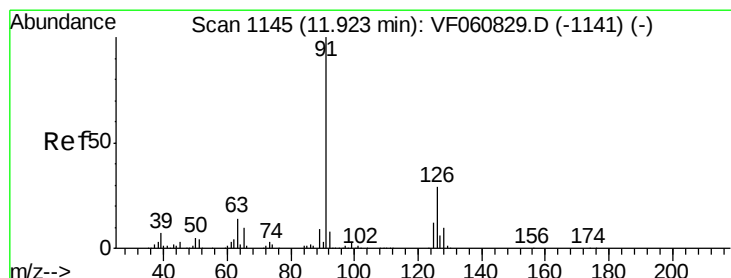
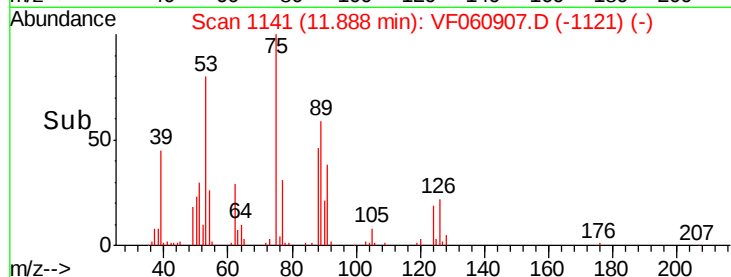
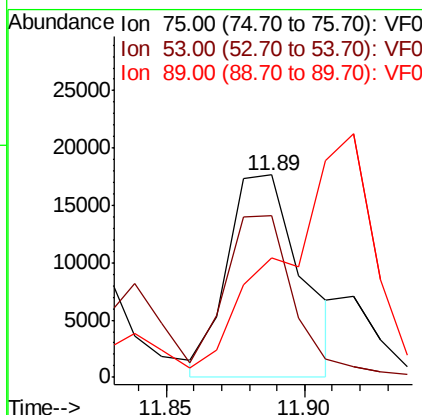
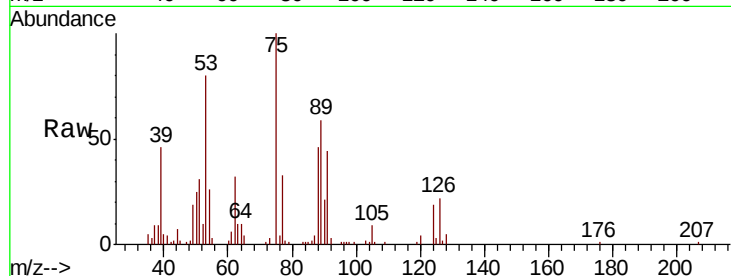
53 79.9 65.9 98.9

89 58.7 38.8 58.2#

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12/4/2018 2:52:32 PM



#82

4-Chlorotoluene

Concen: 46.575 ug/l

RT: 11.92 min Scan# 1144

Delta R.T. -0.01 min

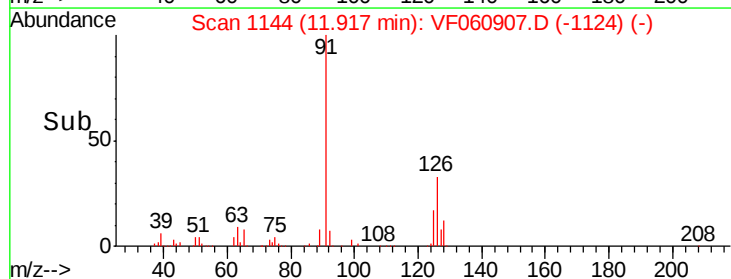
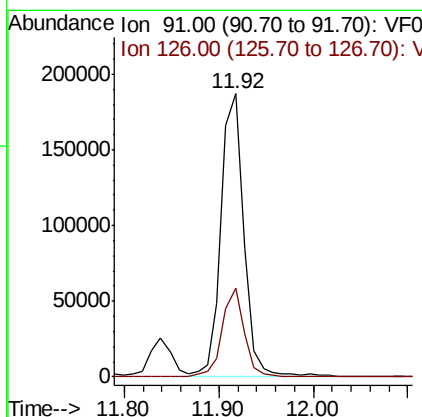
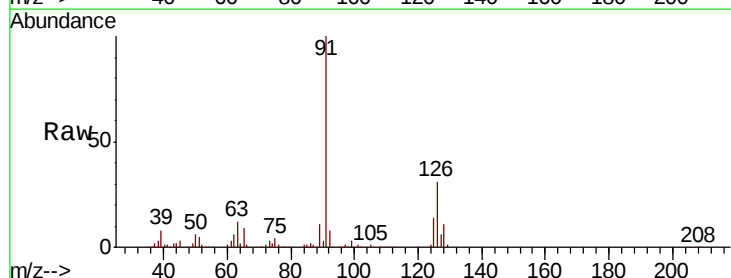
Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Tgt Ion: 91 Resp: 311841
Ion Ratio Lower Upper

91 100

126 31.2 14.8 44.4





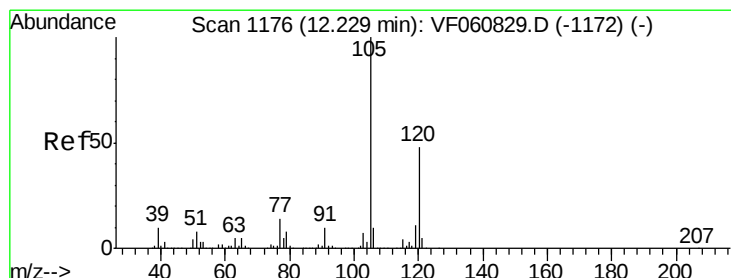
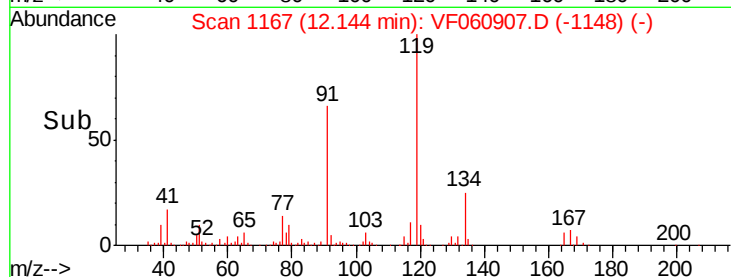
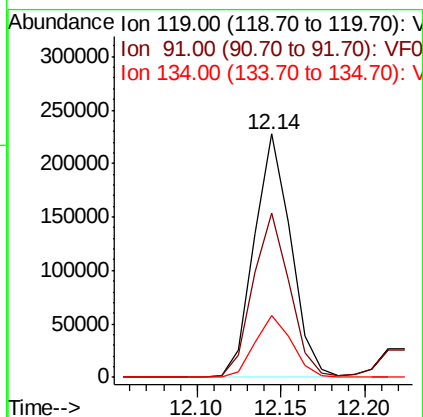
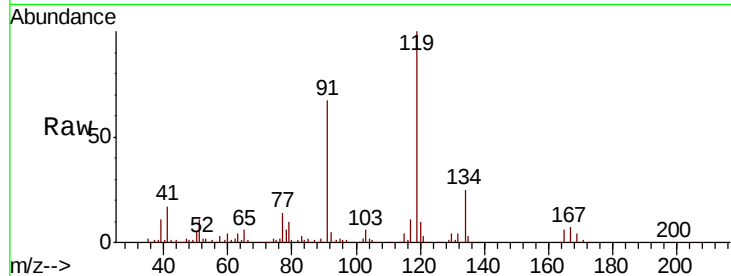
#83
tert-Butylbenzene
Concen: 43.985 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	344632		
91	67.3	30.1	90.3	
134	25.4	12.6	37.8	

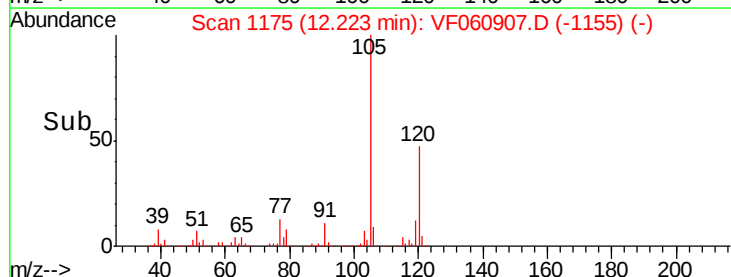
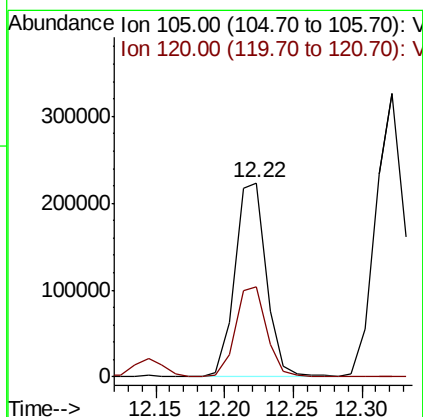
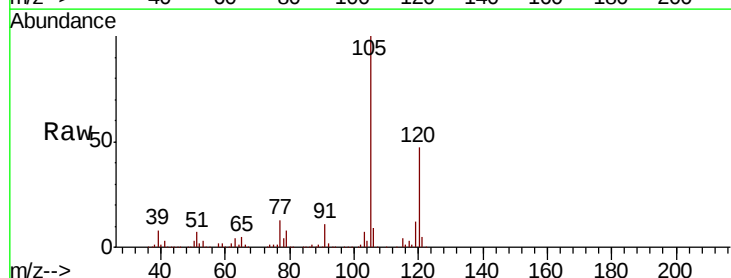
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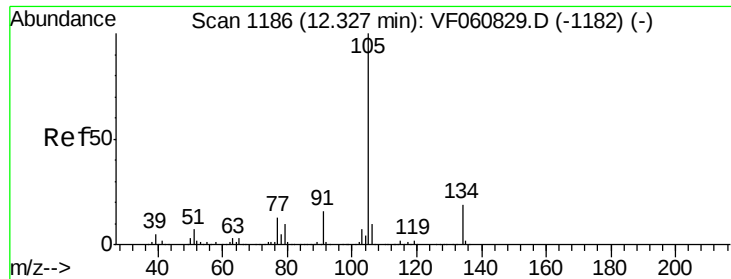
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#84
1,2,4-Trimethylbenzene
Concen: 46.460 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	356659		
120	46.6	23.8	71.5	





#85

sec-Butylbenzene

Concen: 45.326 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion:105 Resp: 486167

Ion Ratio Lower Upper

105 100

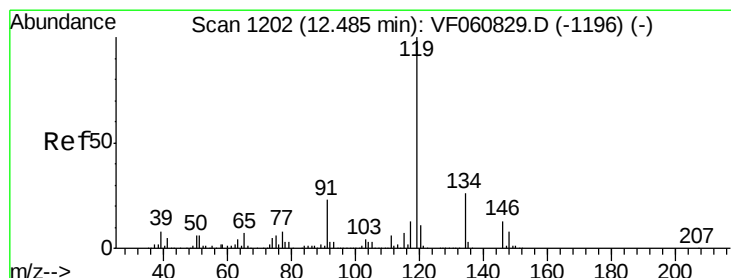
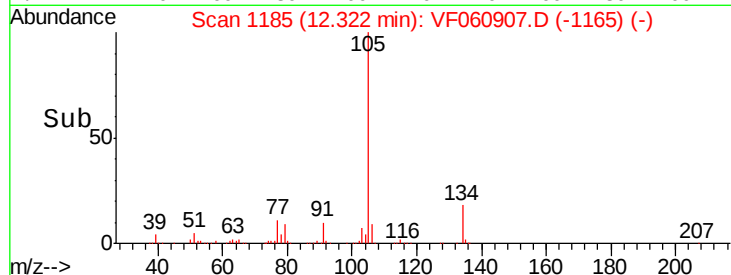
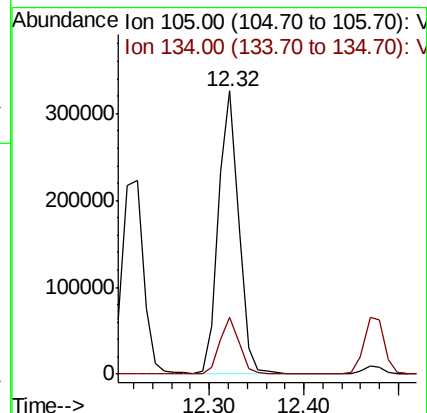
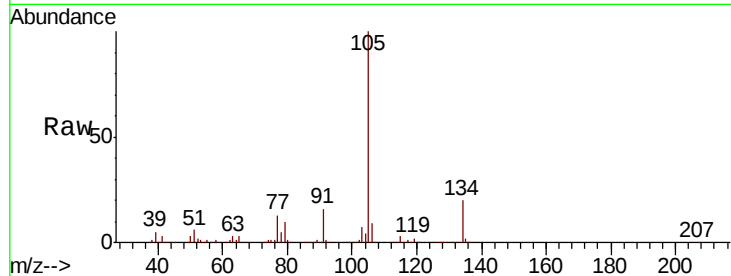
134 19.9 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 45.135 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

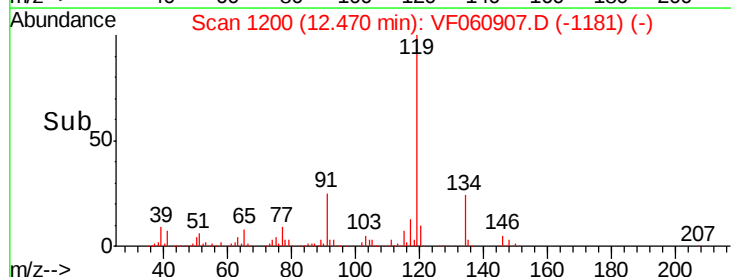
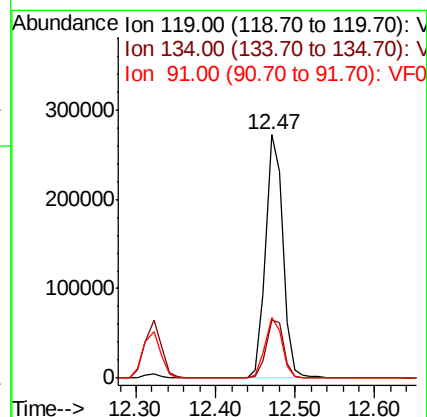
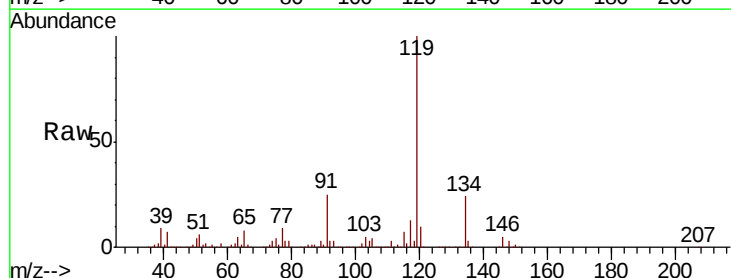
Tgt Ion:119 Resp: 405884

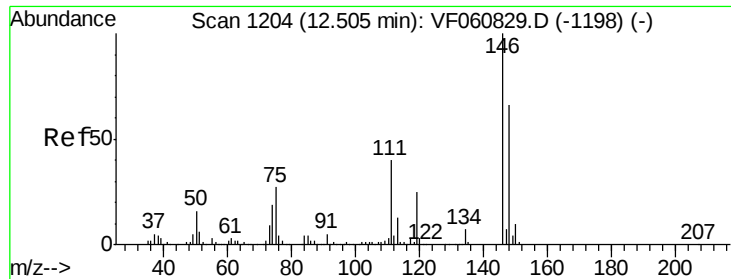
Ion Ratio Lower Upper

119 100

134 24.0 12.9 38.6

91 25.1 11.8 35.3





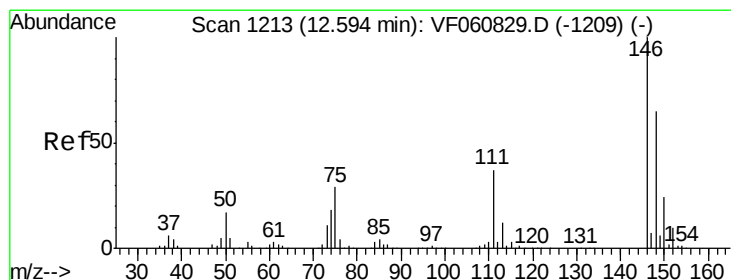
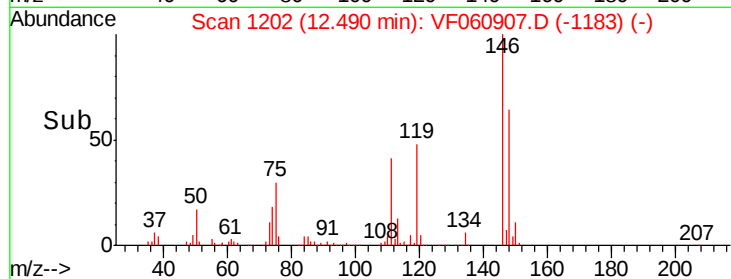
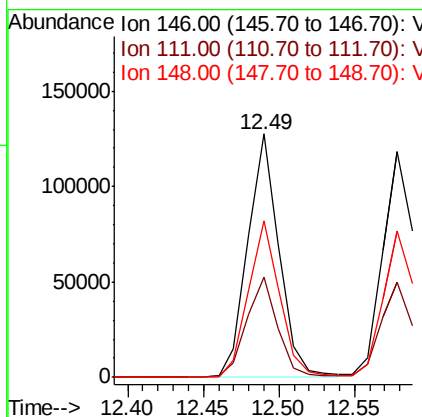
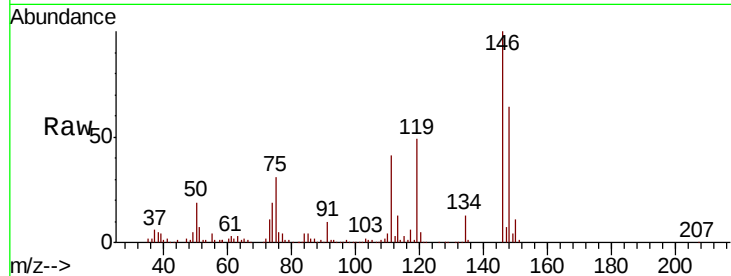
#87
 1,3-Dichlorobenzene
 Concen: 46.645 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. -0.02 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.0	59.9
148	64.1	32.9	98.6

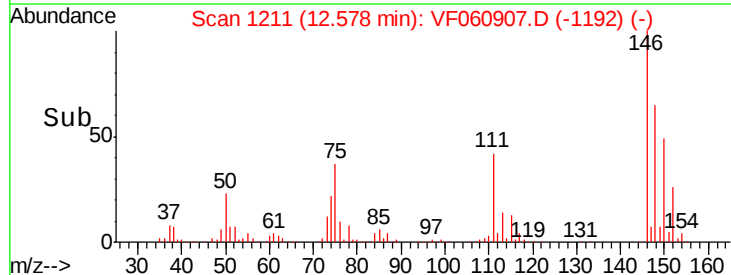
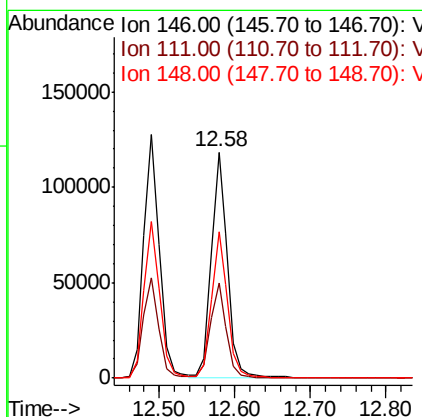
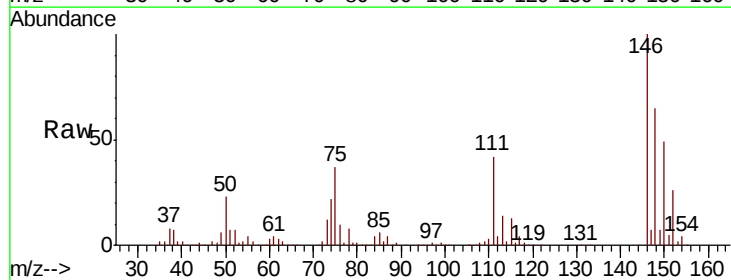
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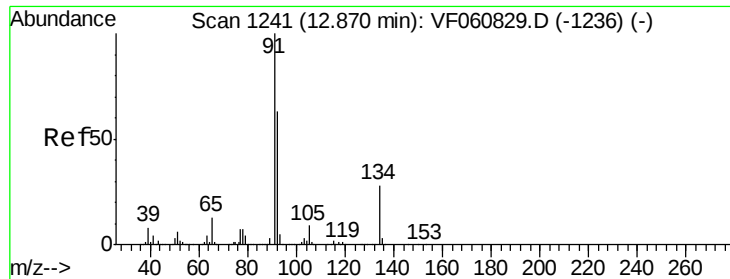
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#88
 1,4-Dichlorobenzene
 Concen: 46.749 ug/l
 RT: 12.58 min Scan# 1211
 Delta R.T. -0.02 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	18.9	56.7
148	65.0	32.3	96.9





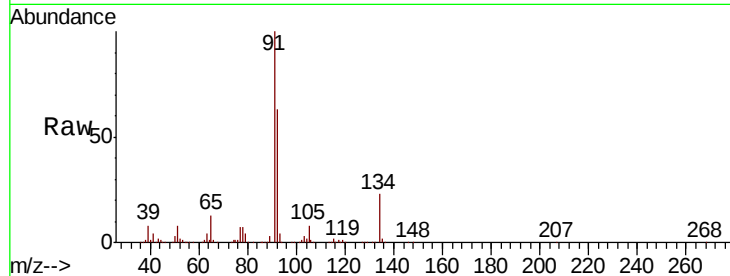
#89
n-Butylbenzene
Concen: 43.467 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

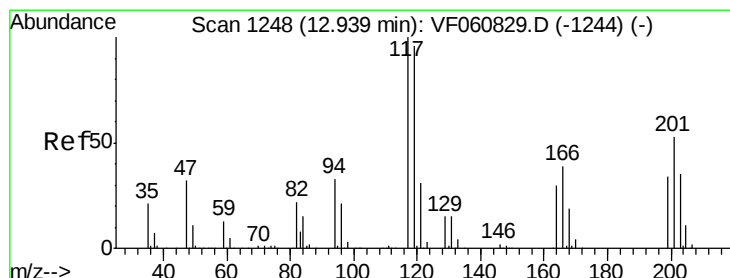
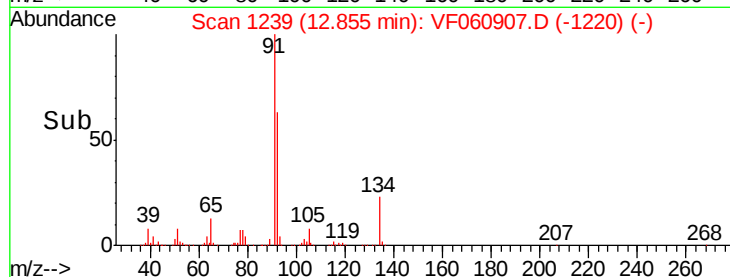
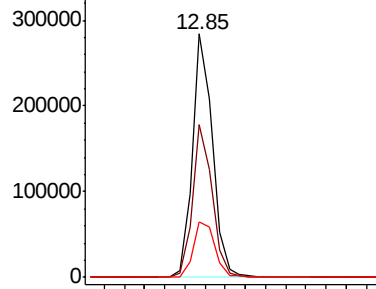
Tot Ion	Ratio	Resp	Lower	Upper
91	100	395241		
92	62.8		31.6	94.7
134	22.7		13.8	41.4

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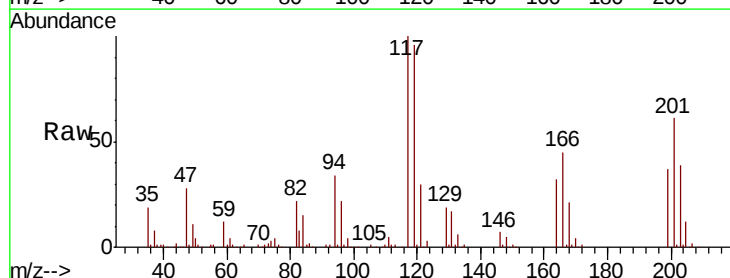


Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V

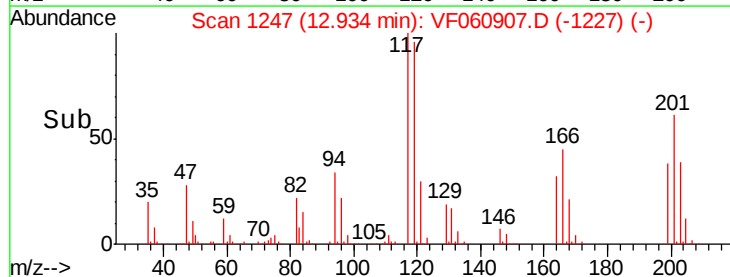
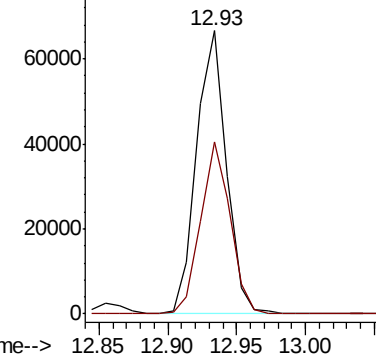


#90
Hexachloroethane
Concen: 46.470 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	100628		
201	62.1		26.7	80.1



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V





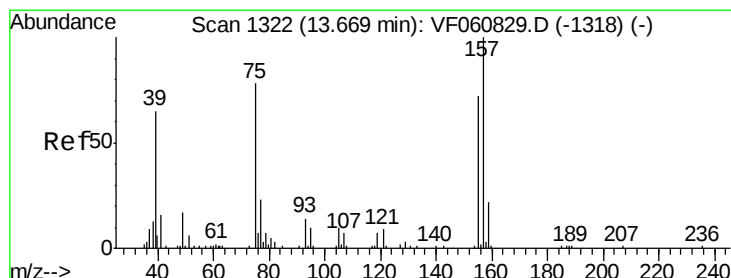
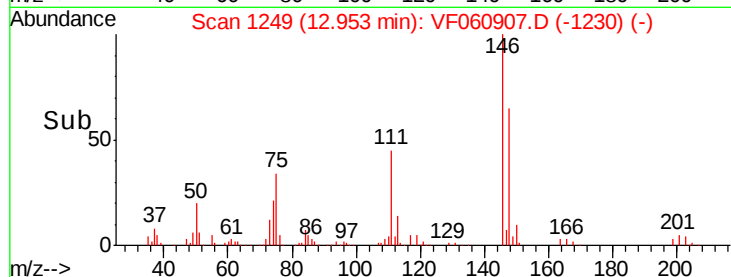
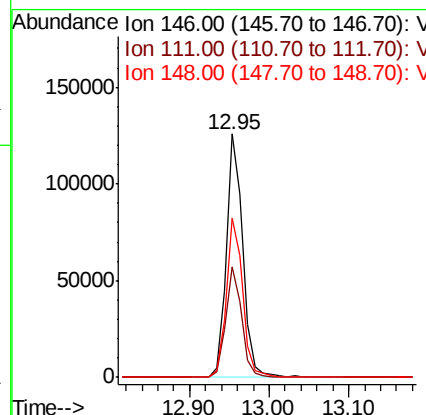
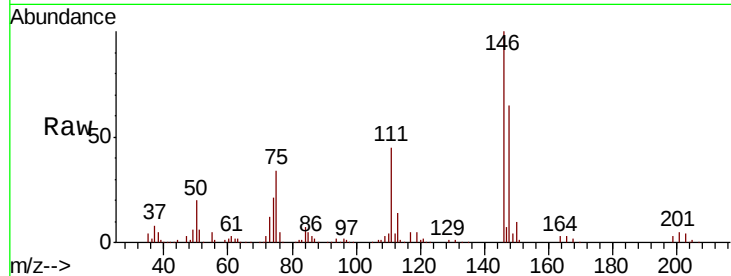
#91
 1,2-Dichlorobenzene
 Concen: 49.159 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.02 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.2	63.6
148	65.5	32.5	97.5

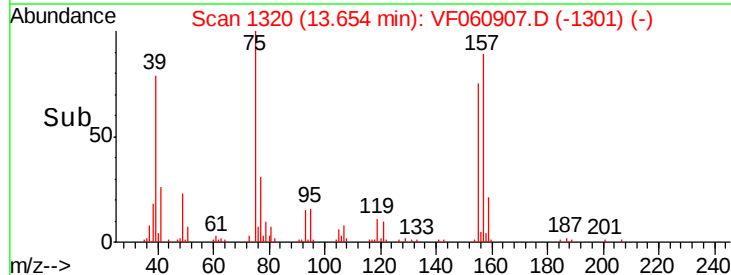
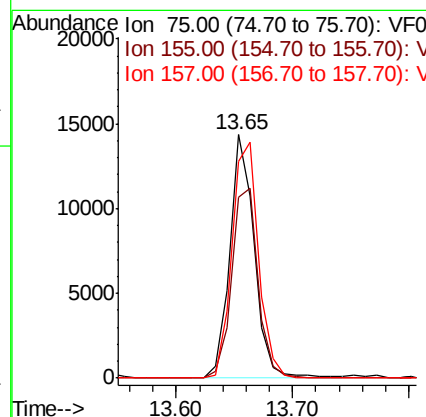
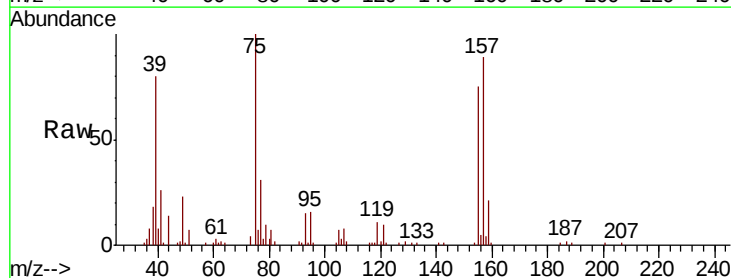
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 69.691 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. -0.02 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.5	45.6	136.9
157	89.2	63.8	191.5





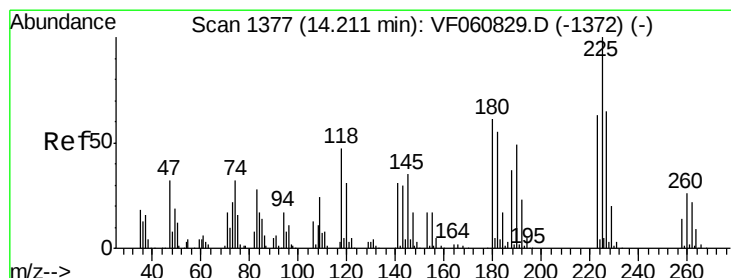
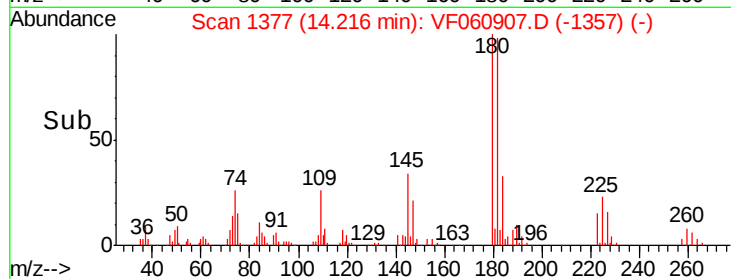
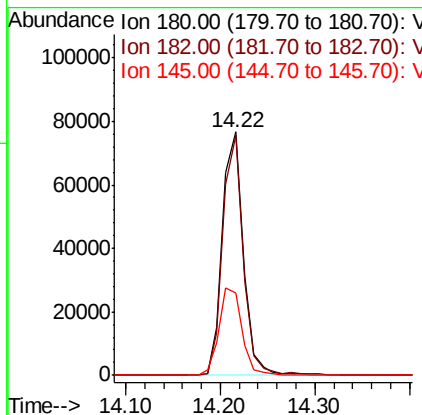
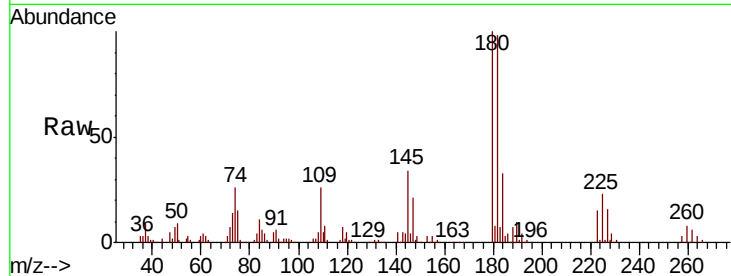
#93
 1,2,4-Trichlorobenzene
 Concen: 45.268 ug/l
 RT: 14.22 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.4	48.5	145.5	
145	34.1	18.1	54.3	

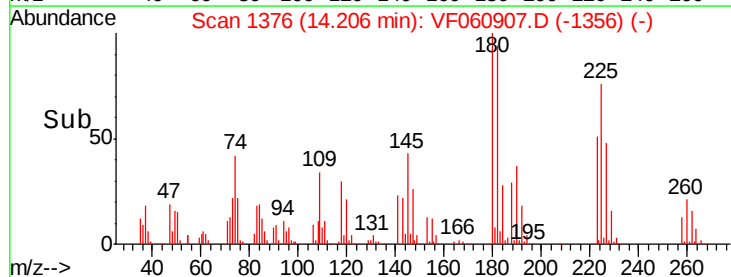
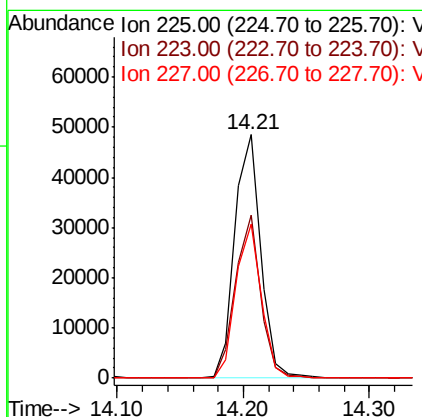
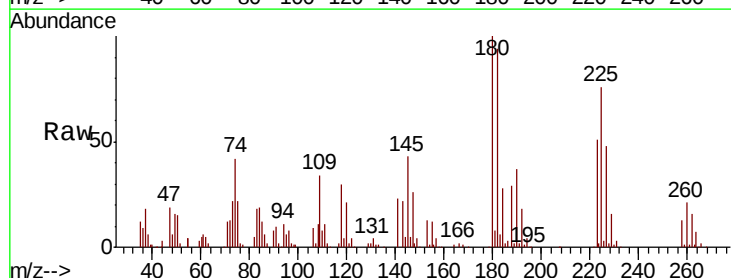
Manual Integrations
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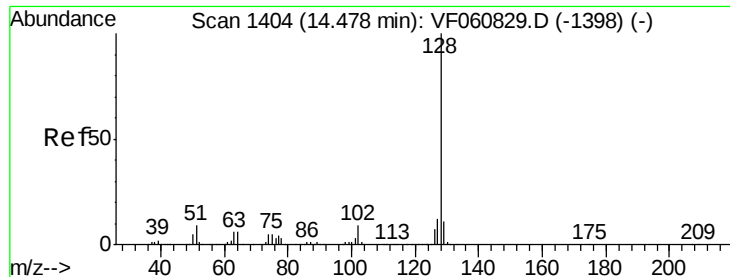
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#94
 Hexachlorobutadiene
 Concen: 39.636 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	66.9	31.4	94.3	
227	63.2	32.5	97.5	





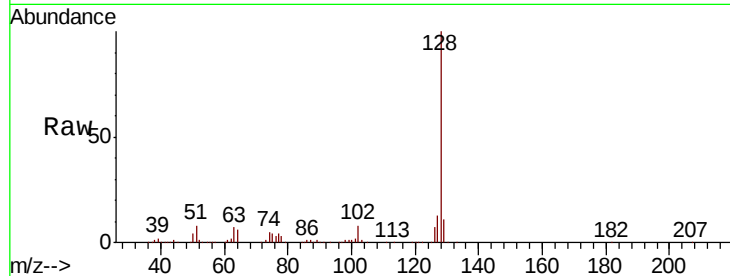
#95
Naphthalene
Concen: 55.556 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

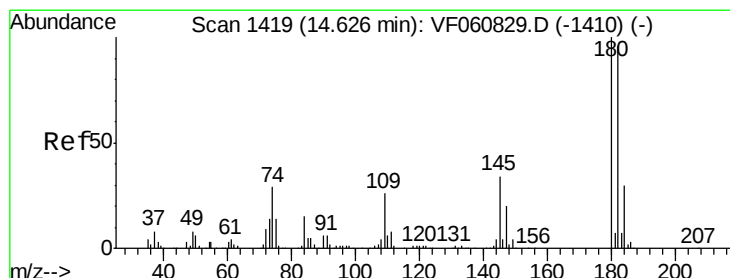
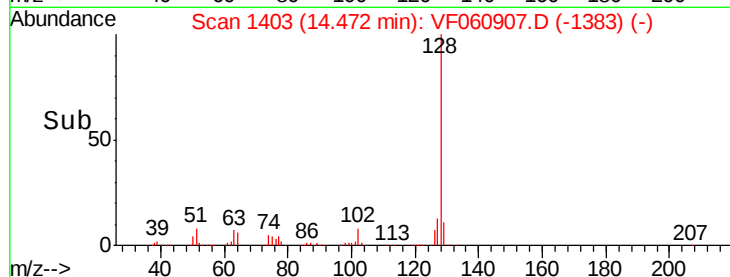
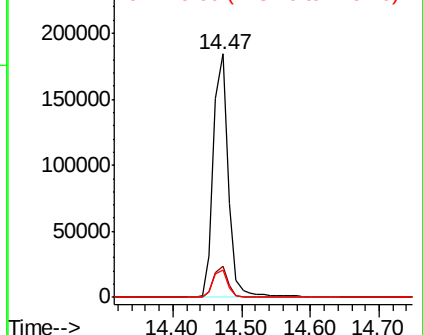
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.9	14.9
129	11.0	9.1	13.7

Manual Integrations
APPROVED

apatel
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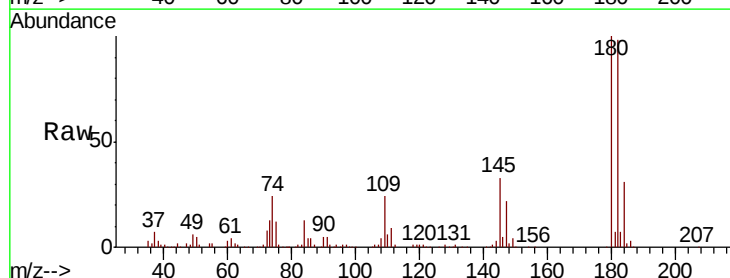


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 47.915 ug/l
RT: 14.62 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.9	143.8
145	32.9	17.2	51.5



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

