

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111318\
 Data File : VF060707.D
 Acq On : 13 Nov 2018 11:38
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

sam
 11/14/2018 9:32:47 AM

Quant Time: Nov 14 02:50:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 02:40:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	265332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	431691	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	396016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	224794	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	16573	5.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.96%	
35) Dibromofluoromethane	4.12	113	18457	5.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.38%	
50) Toluene-d8	7.57	98	55828	5.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.92%	
62) 4-Bromofluorobenzene	11.42	95	27653	6.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.62%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.97	85	20631	4.345	ug/l 95
3) Chloromethane	1.10	50	13634	4.630	ug/l 95
4) Vinyl Chloride	1.14	62	13515	5.130	ug/l # 82
5) Bromomethane	1.33	94	7398	4.421	ug/l 96
6) Chloroethane	1.37	64	4560	4.424	ug/l # 73
7) Trichlorofluoromethane	1.50	101	25728m	4.414	ug/l
8) Diethyl Ether	1.64	74	3481	4.664	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	12119	4.415	ug/l # 86
10) Methyl Iodide	1.89	142	20578	4.873	ug/l 98
11) Tert butyl alcohol	2.58	59	3017	21.904	ug/l # 34
12) 1,1-Dichloroethene	1.79	96	10913	5.041	ug/l # 91
13) Acrolein	2.00	56	2928	23.250	ug/l 83
14) Allyl chloride	2.10	41	16402	4.325	ug/l 95
15) Acrylonitrile	2.95	53	7266	24.757	ug/l # 92
16) Acetone	2.24	43	15004	23.195	ug/l 100
17) Carbon Disulfide	1.83	76	30486	4.663	ug/l 98
18) Methyl Acetate	2.36	43	5455	4.727	ug/l # 87
19) Methyl tert-butyl Ether	2.44	73	26056	5.017	ug/l # 92
20) Methylene Chloride	2.19	84	16111m	6.585	ug/l
21) trans-1,2-Dichloroethene	2.32	96	10353	4.578	ug/l 94
22) Diisopropyl ether	2.80	45	34249	4.678	ug/l # 88
23) Vinyl Acetate	3.20	43	73286	21.257	ug/l 99
24) 1,1-Dichloroethane	2.88	63	20741	4.679	ug/l 99
25) 2-Butanone	4.34	43	26117	24.546	ug/l # 90
26) 2,2-Dichloropropane	3.61	77	17192	4.929	ug/l 96
27) cis-1,2-Dichloroethene	3.48	96	18889	4.910	ug/l 94
28) Bromochloromethane	3.73	49	13408	5.821	ug/l 95
29) Tetrahydrofuran	4.08	42	10824	24.663	ug/l 99
30) Chloroform	3.87	83	36241	5.096	ug/l 97
31) Cyclohexane	3.71	56	28106	5.224	ug/l 97
32) 1,1,1-Trichloroethane	4.11	97	27293	4.873	ug/l 88
36) 1,1-Dichloropropene	4.29	75	25701	5.133	ug/l 95
37) Ethyl Acetate	4.12	43	9600	5.158	ug/l # 80
38) Carbon Tetrachloride	4.01	117	24111	4.963	ug/l 91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	30729	5.290	ug/l	97
40) Benzene	4.65	78	59772	5.356	ug/l	94
41) Methacrylonitrile	4.77	41	5703	5.058	ug/l #	87
42) 1,2-Dichloroethane	4.94	62	19191	4.976	ug/l	91
43) Isopropyl Acetate	6.97	43	12704	5.148	ug/l #	96
44) Trichloroethene	5.51	130	19128	5.432	ug/l	90
45) 1,2-Dichloropropane	6.25	63	15784	5.435	ug/l #	89
46) Dibromomethane	6.10	93	9067	4.730	ug/l	87
47) Bromodichloromethane	6.39	83	24359	4.976	ug/l #	93
48) Methyl methacrylate	6.73	41	8669	5.308	ug/l	89
49) 1,4-Dioxane	6.75	88	1606	105.137	ug/l #	53
51) 4-Methyl-2-Pentanone	8.27	43	48829	27.357	ug/l	94
52) Toluene	7.64	92	42485	5.681	ug/l	95
53) t-1,3-Dichloropropene	8.29	75	20558	5.243	ug/l	91
54) cis-1,3-Dichloropropene	7.31	75	26110	5.127	ug/l	92
55) 1,1,2-Trichloroethane	8.50	97	11115	5.202	ug/l	94
56) Ethyl methacrylate	8.63	69	11887	4.898	ug/l #	92
57) 1,3-Dichloropropane	8.87	76	19243	5.196	ug/l #	84
58) 2-Chloroethyl Vinyl ether	7.64	63	5861	26.438	ug/l	100
59) 2-Hexanone	9.51	43	32375	25.810	ug/l	95
60) Dibromochloromethane	8.73	129	14481	4.755	ug/l	88
61) 1,2-Dibromoethane	9.00	107	11225	4.995	ug/l	99
64) Tetrachloroethene	8.16	164	16451	5.246	ug/l	93
65) Chlorobenzene	9.81	112	40533	5.072	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.93	131	16928	4.857	ug/l	94
67) Ethyl Benzene	9.91	91	79561	5.282	ug/l	97
68) m/p-Xylenes	10.14	106	56682	10.530	ug/l	81
69) o-Xylene	10.72	106	29389	4.856	ug/l	88
70) Styrene	10.80	104	45435	5.532	ug/l	96
71) Bromoform	10.78	173	7895	5.037	ug/l	94
73) Isopropylbenzene	11.14	105	92727	5.125	ug/l	95
74) N-amyl acetate	11.38	43	18776	4.558	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	15024	5.022	ug/l	96
76) 1,2,3-Trichloropropane	11.80	75	12885	5.799	ug/l	95
77) Bromobenzene	11.50	156	18593	4.937	ug/l	85
78) n-propylbenzene	11.60	91	117722	5.578	ug/l	96
79) 2-Chlorotoluene	11.73	91	65203	5.316	ug/l	94
80) 1,3,5-Trimethylbenzene	11.83	105	78629	5.474	ug/l	89
81) trans-1,4-Dichloro-2-buten	11.88	75	5384m	5.051	ug/l	
82) 4-Chlorotoluene	11.91	91	67621	5.382	ug/l	100
83) tert-Butylbenzene	12.14	119	79860	5.236	ug/l	92
84) 1,2,4-Trimethylbenzene	12.21	105	83005	5.587	ug/l	93
85) sec-Butylbenzene	12.31	105	110620	5.346	ug/l	95
86) p-Isopropyltoluene	12.47	119	90526	5.239	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	39775	5.307	ug/l	95
88) 1,4-Dichlorobenzene	12.58	146	37325	5.181	ug/l	97
89) n-Butylbenzene	12.85	91	93353	5.294	ug/l	94
90) Hexachloroethane	12.92	117	19754	4.674	ug/l	94
91) 1,2-Dichlorobenzene	12.95	146	38031	5.389	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	2858	5.083	ug/l	94

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Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

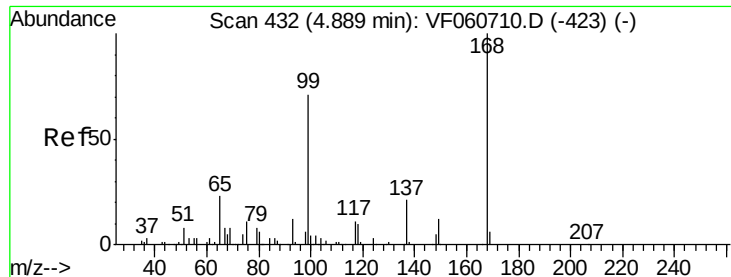
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Nov 14 02:40:41 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	25763	5.079	ug/l	94
94) Hexachlorobutadiene	14.20	225	15622	4.713	ug/l	97
95) Naphthalene	14.46	128	40067	4.329	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	22705	4.844	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 265332

Ion Ratio Lower Upper

168 100

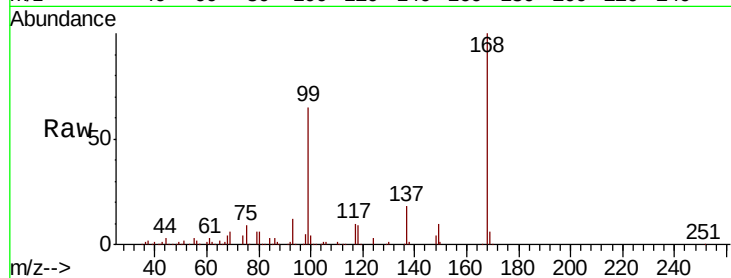
99 64.9 57.2 85.8

Manual Integrations

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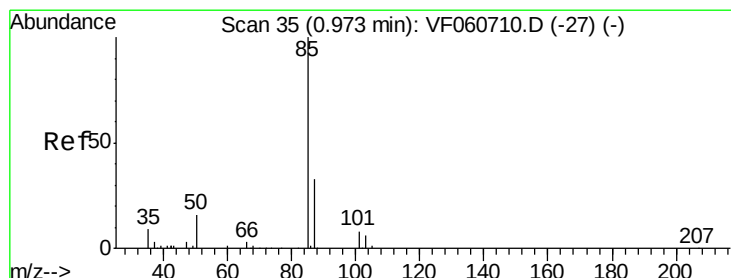
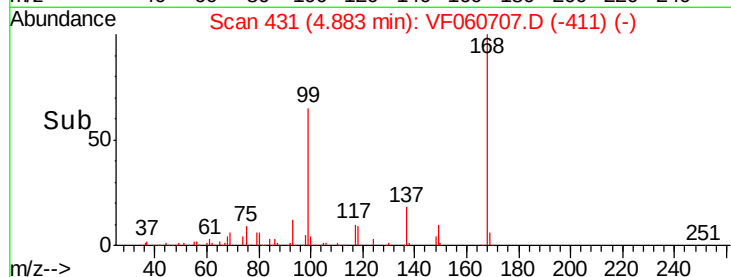
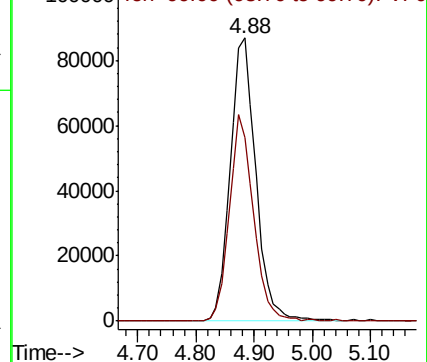
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 4.345 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060707.D

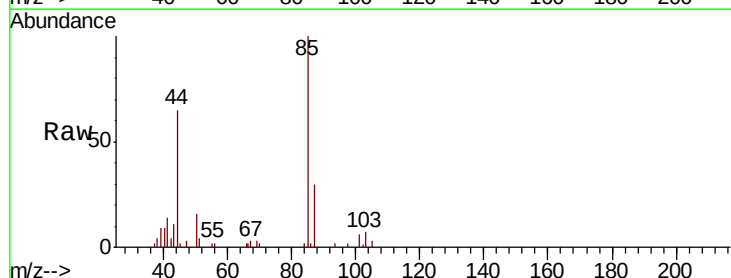
Acq: 13 Nov 2018 11:38

Tgt Ion: 85 Resp: 20631

Ion Ratio Lower Upper

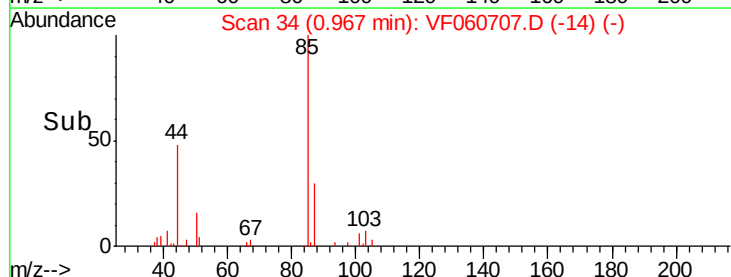
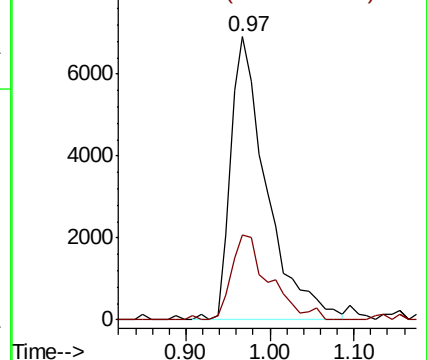
85 100

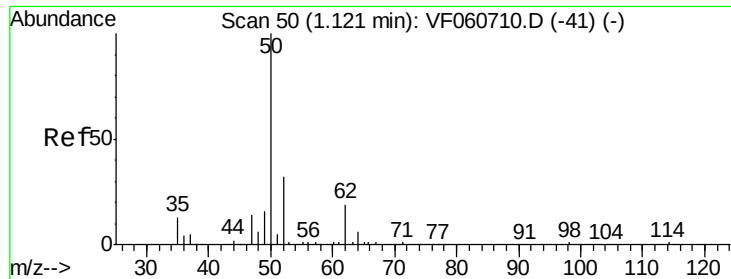
87 30.0 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 4.630 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.03 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 13634

Ion Ratio Lower Upper

50 100

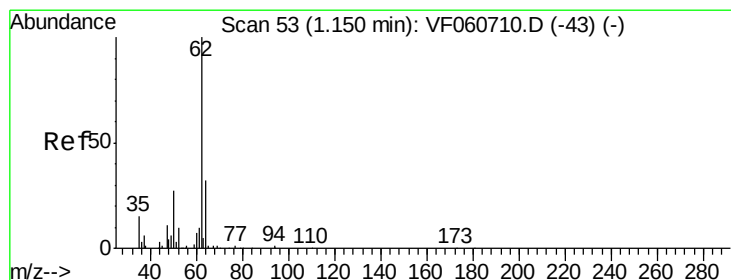
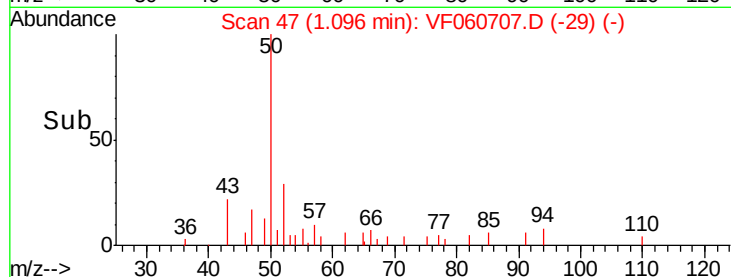
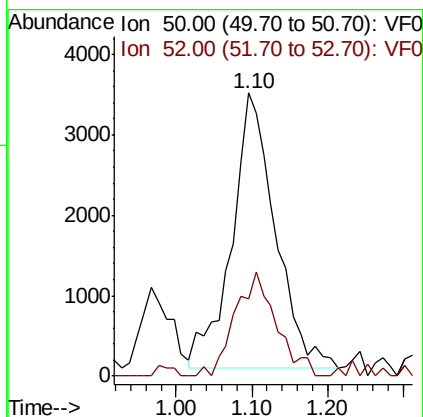
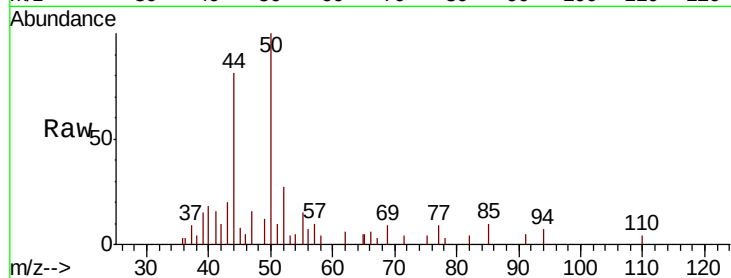
52 27.3 24.2 36.2

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#4

Vinyl Chloride

Concen: 5.130 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060707.D

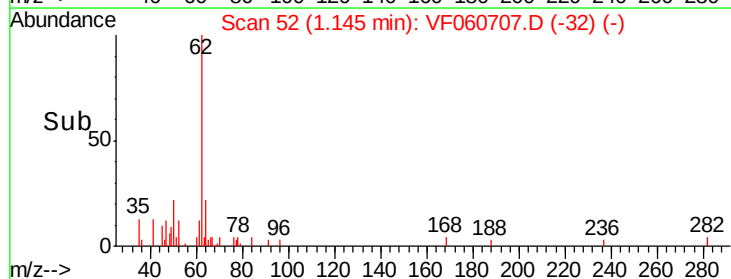
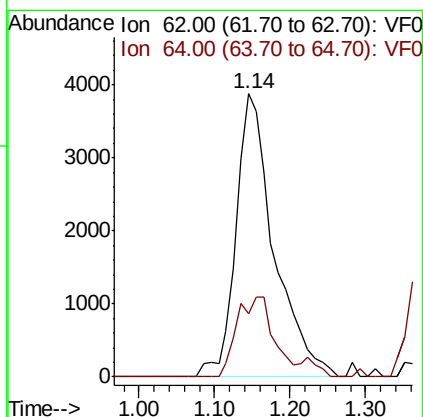
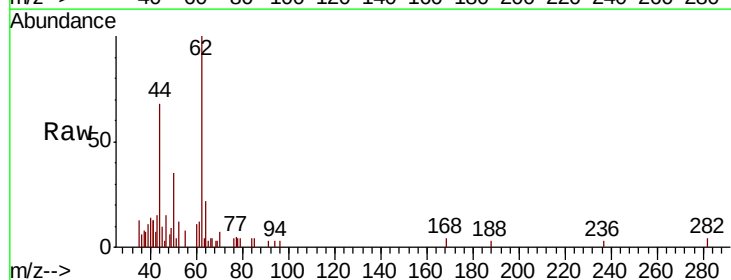
Acq: 13 Nov 2018 11:38

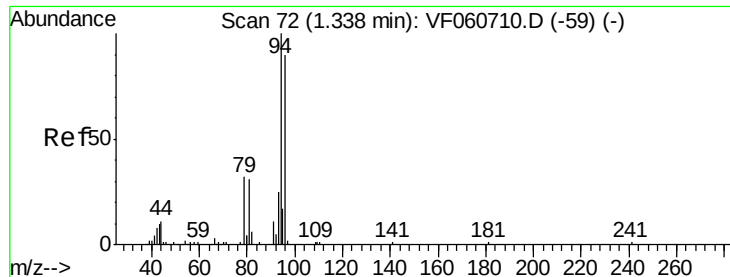
Tgt Ion: 62 Resp: 13515

Ion Ratio Lower Upper

62 100

64 22.3 25.8 38.8#





#5

Bromomethane

Concen: 4.421 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 7398

Ion Ratio Lower Upper

94 100

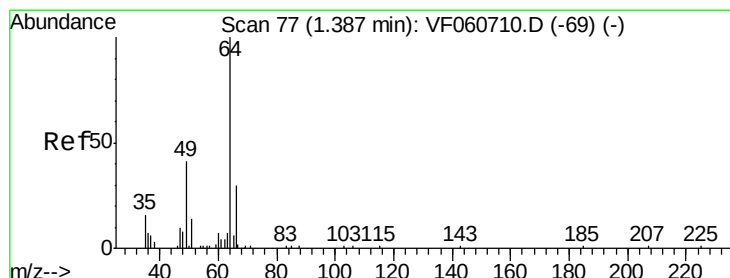
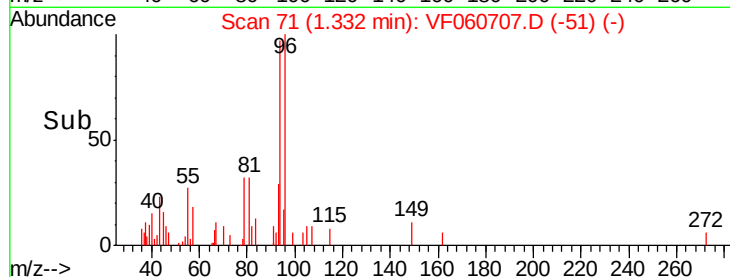
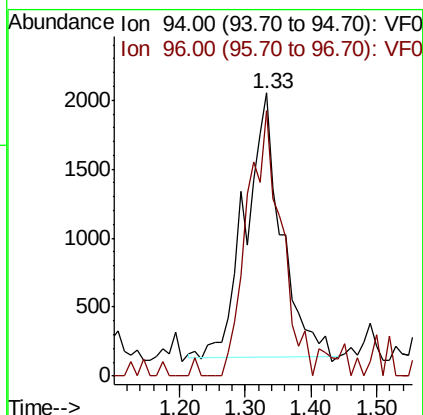
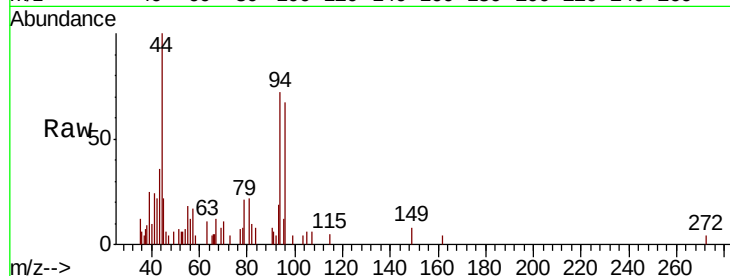
96 93.9 71.9 107.9

Manual Integrations

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#6

Chloroethane

Concen: 4.424 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF060707.D

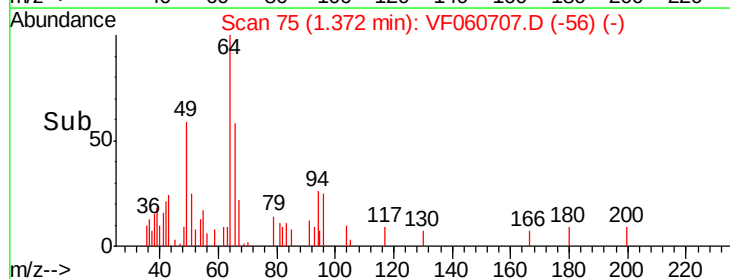
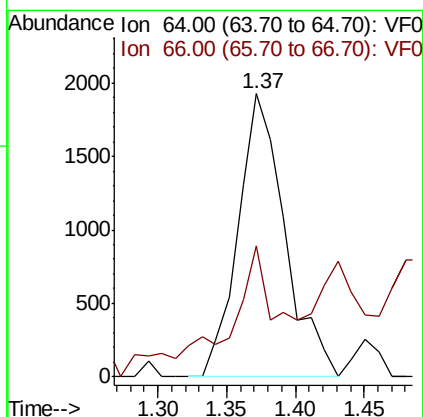
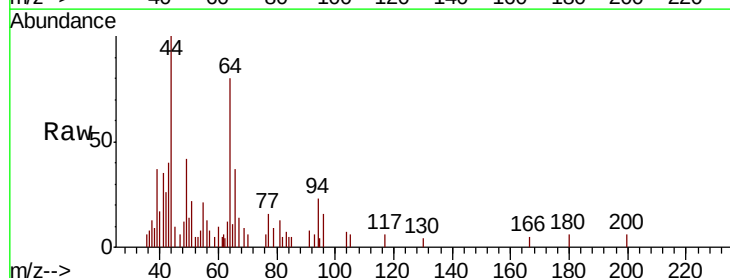
Acq: 13 Nov 2018 11:38

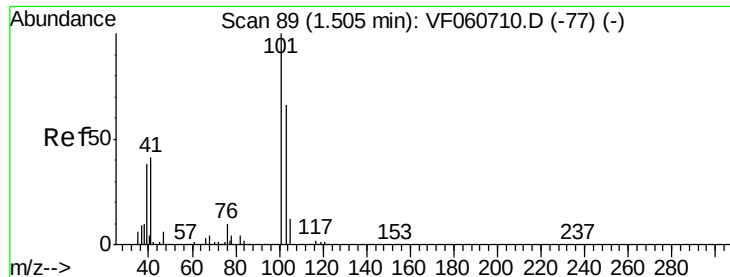
Tgt Ion: 64 Resp: 4560

Ion Ratio Lower Upper

64 100

66 46.1 24.8 37.2#





#7

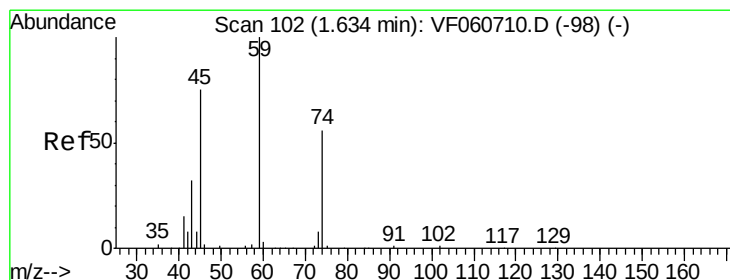
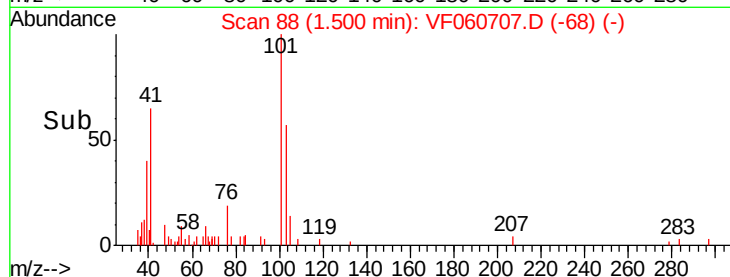
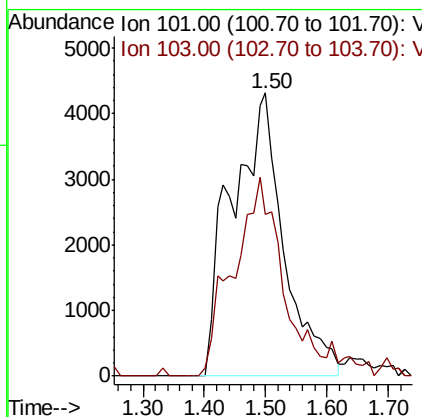
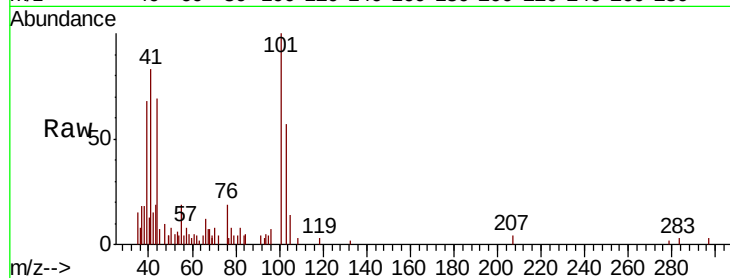
Trichlorofluoromethane
Concen: 4.414 ug/l m
RT: 1.50 min Scan# 88
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Instrument :
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ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.0	53.1	79.7

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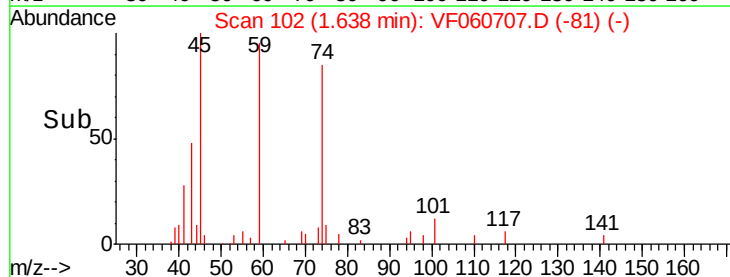
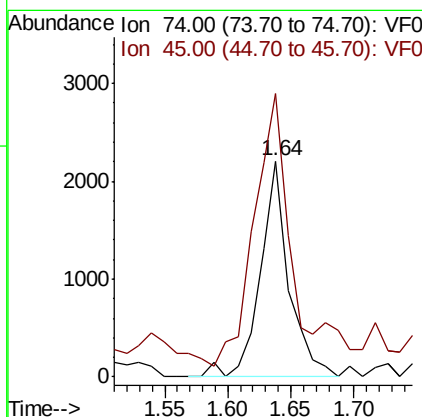
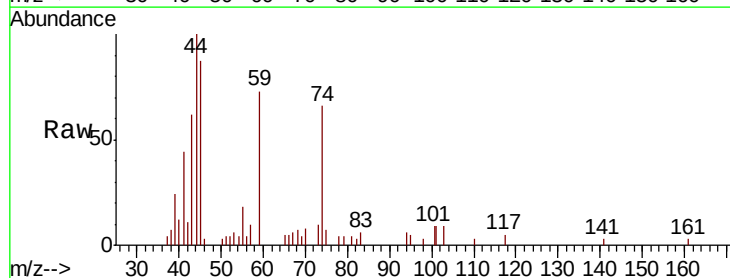
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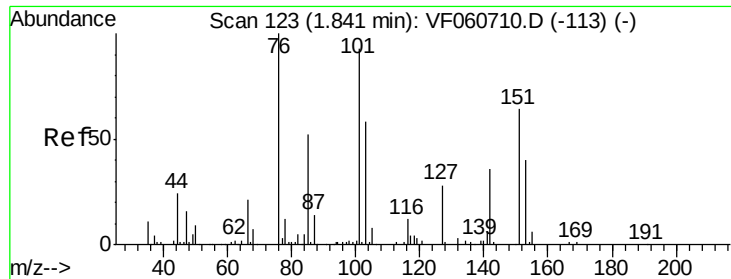


#8

Diethyl Ether
Concen: 4.664 ug/l
RT: 1.64 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	131.1	67.7	203.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.415 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.02 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

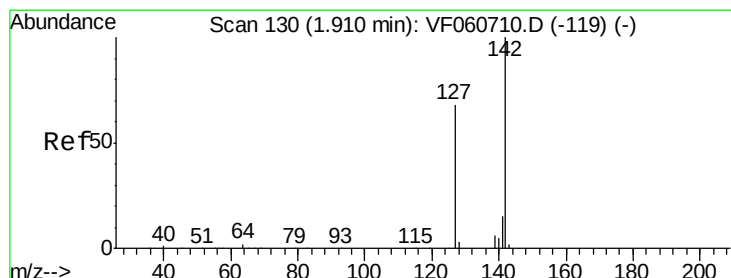
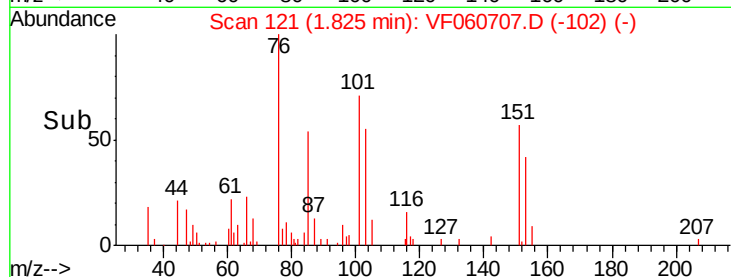
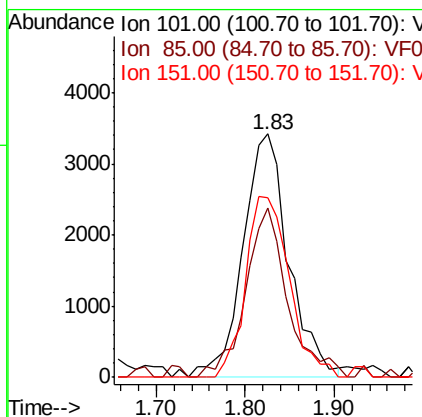
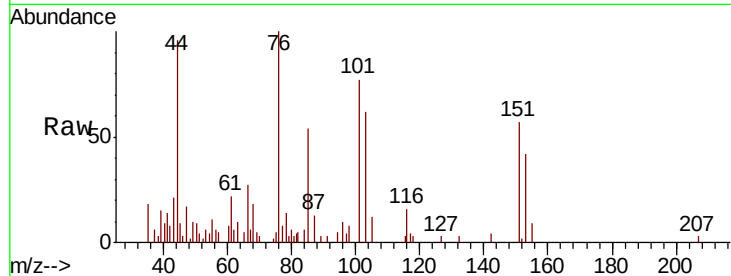
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	12119
Ion Ratio	Lower	Upper	
101	100		
85	69.3	43.6	65.4#
151	73.6	53.1	79.7

Manual Integrations
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#10

Methyl Iodide

Concen: 4.873 ug/l

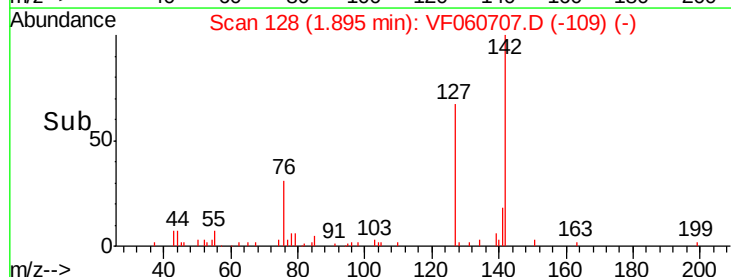
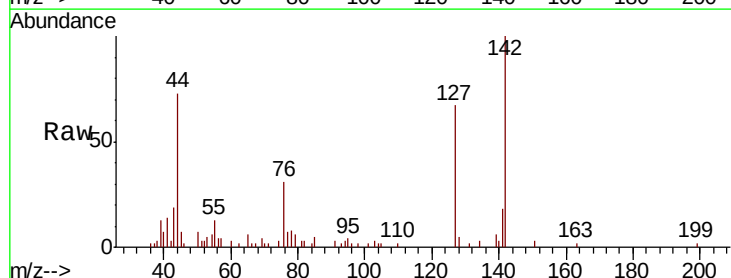
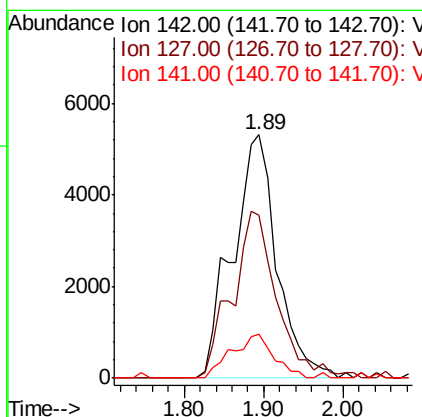
RT: 1.89 min Scan# 128

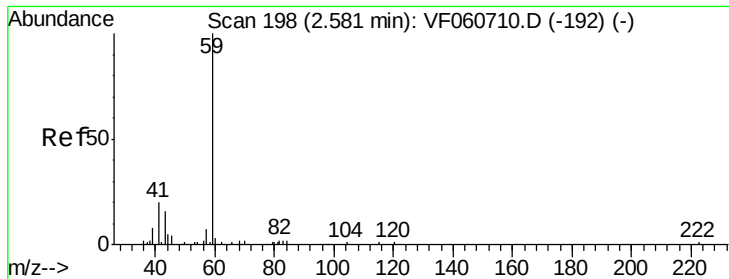
Delta R.T. -0.02 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Tgt Ion:	142	Resp:	20578
Ion Ratio	Lower	Upper	
142	100		
127	66.7	54.0	81.0
141	18.3	12.3	18.5





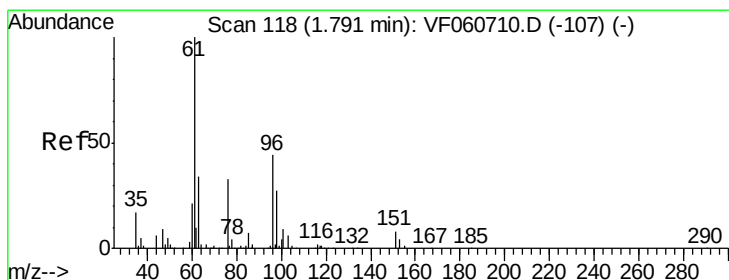
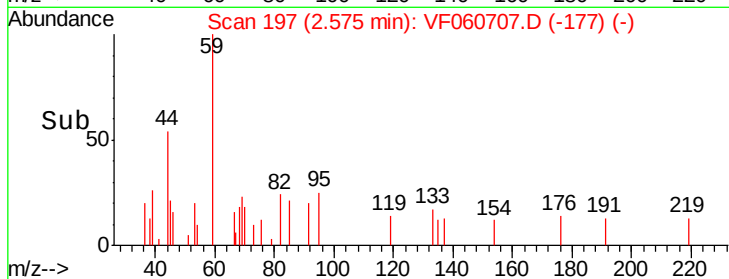
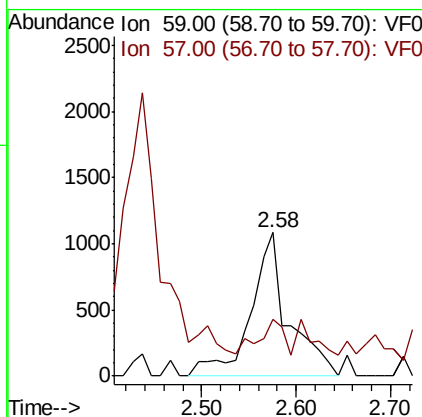
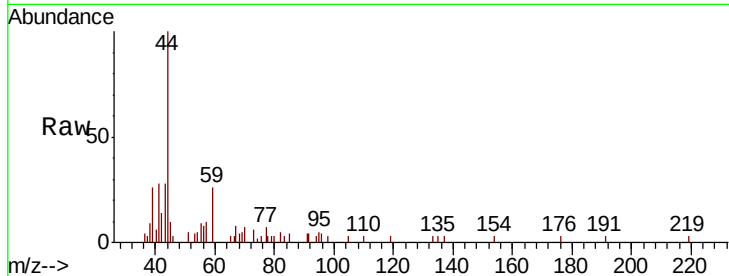
#11
Tert butyl alcohol
Concen: 21.904 ug/l
RT: 2.58 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 3017
Ion Ratio Lower Upper
59 100
57 39.4 10.5 15.7#

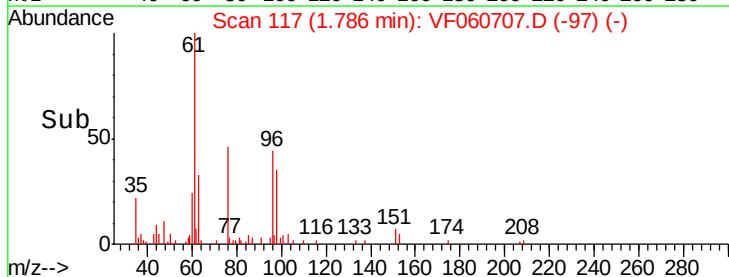
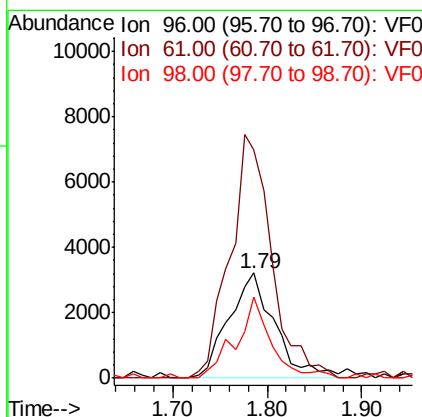
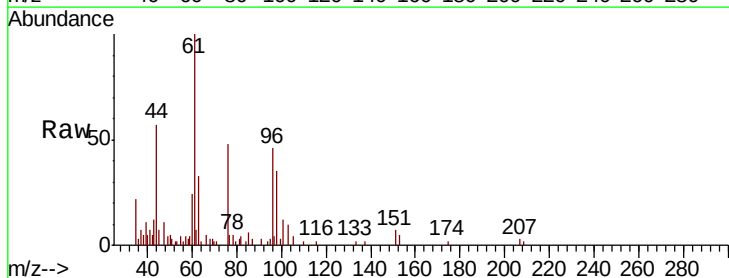
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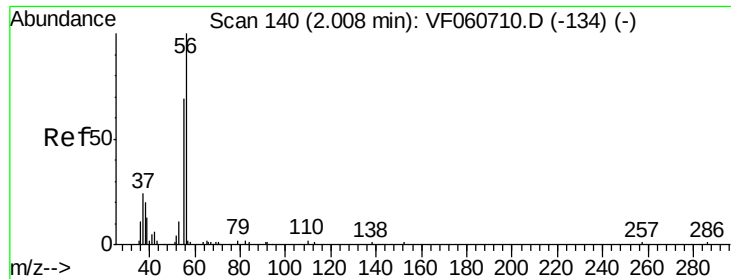
sam
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#12
1,1-Dichloroethene
Concen: 5.041 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Tgt Ion: 96 Resp: 10913
Ion Ratio Lower Upper
96 100
61 217.7 182.2 273.2
98 76.9 49.2 73.8#





#13

Acrolein

Concen: 23.250 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 2928

Ion Ratio Lower Upper

56 100

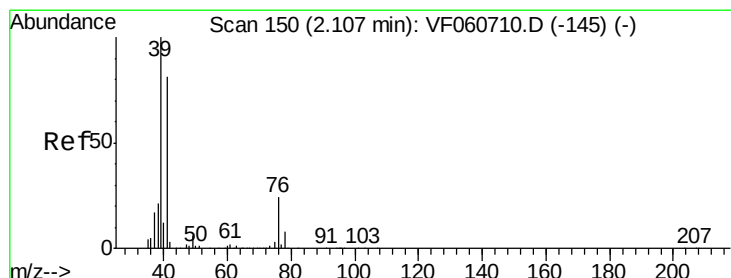
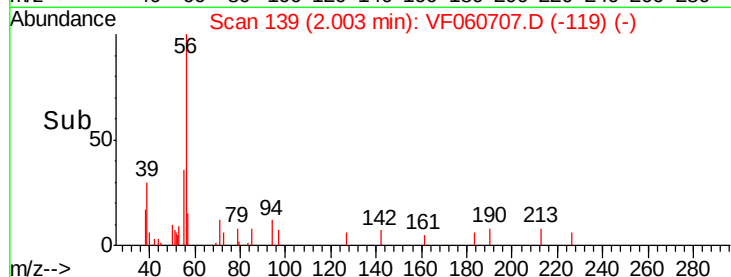
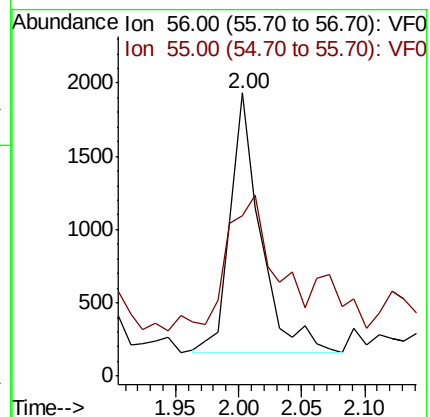
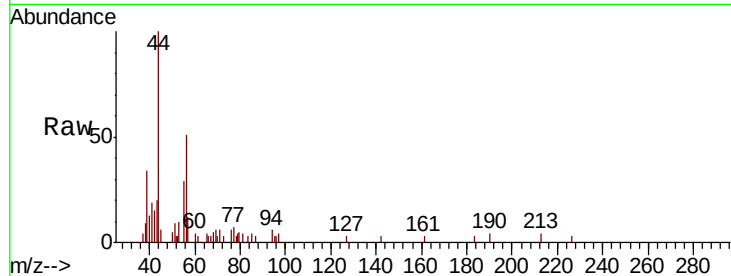
55 56.7 56.6 85.0

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#14

Allyl chloride

Concen: 4.325 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

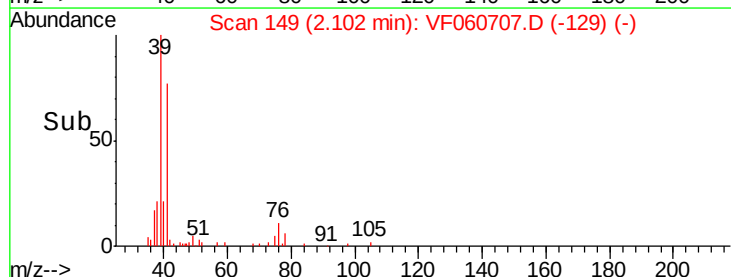
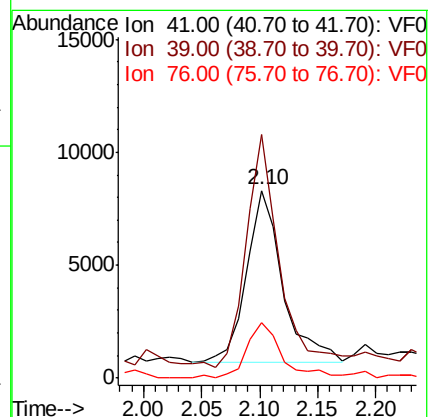
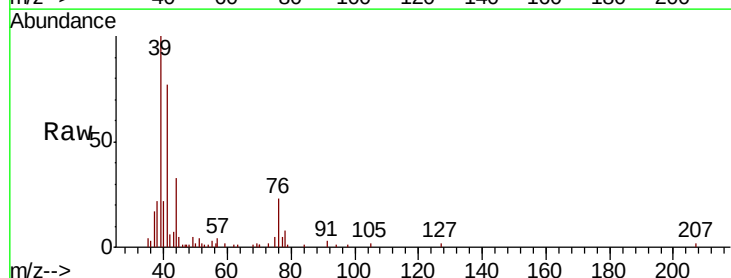
Tgt Ion: 41 Resp: 16402

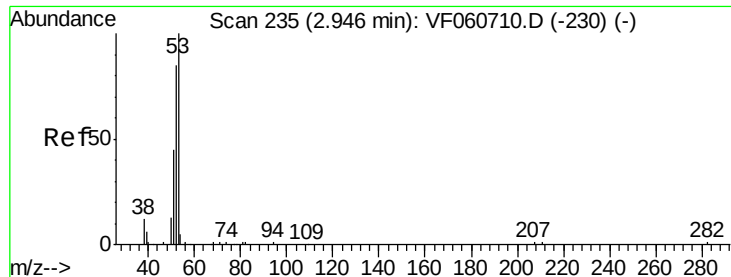
Ion Ratio Lower Upper

41 100

39 129.6 98.5 147.7

76 29.8 24.5 36.7





#15

Acrylonitrile

Concen: 24.757 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

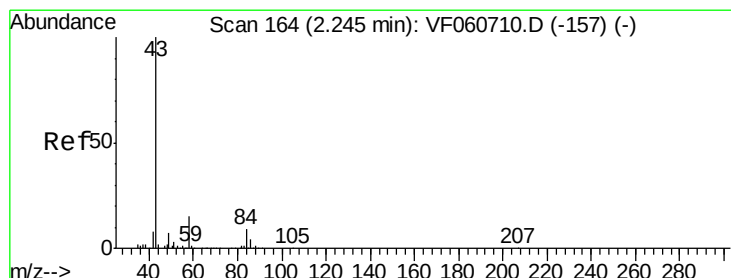
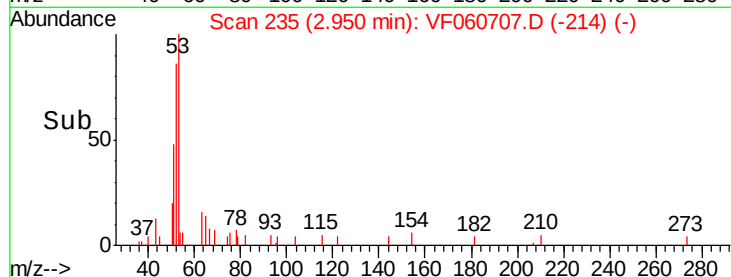
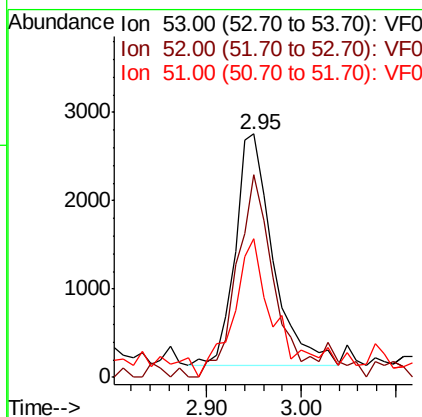
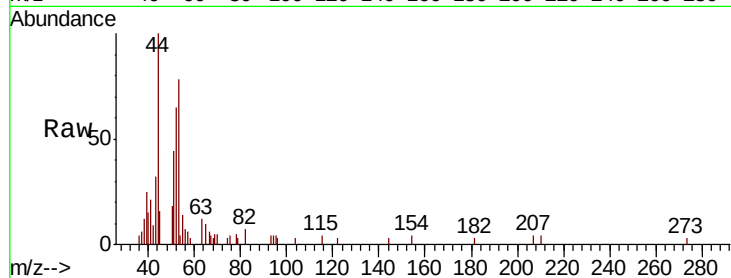
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	7266
Ion	Ratio	Lower	Upper
53	100		
52	83.4	68.8	103.2
51	57.0	36.7	55.1#

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#16

Acetone

Concen: 23.195 ug/l

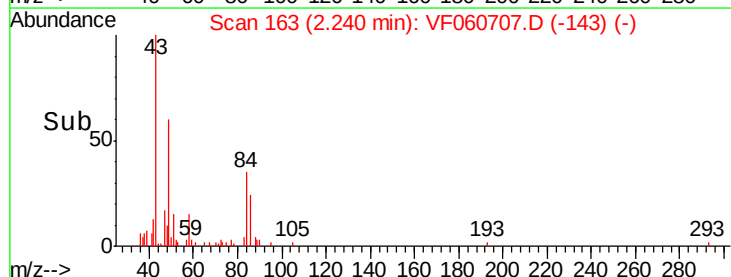
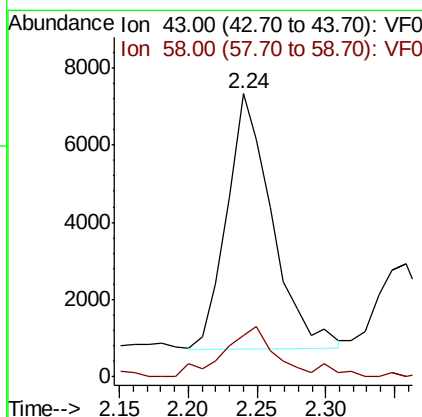
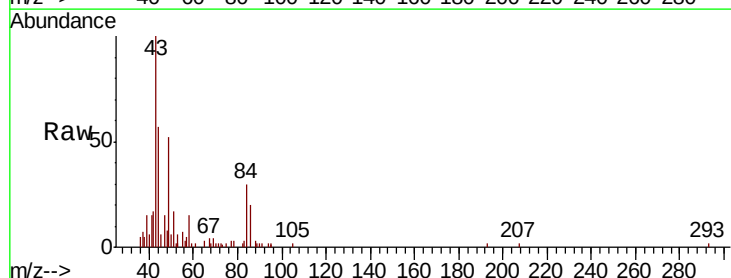
RT: 2.24 min Scan# 163

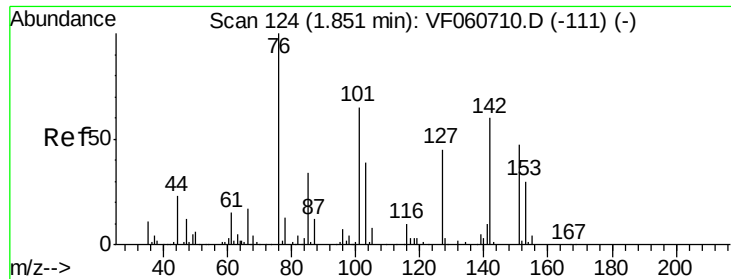
Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Tgt Ion:	43	Resp:	15004
Ion	Ratio	Lower	Upper
43	100		
58	14.6	11.6	17.4





#17

Carbon Disulfide

Concen: 4.663 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.03 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 30486

Ion Ratio Lower Upper

76 100

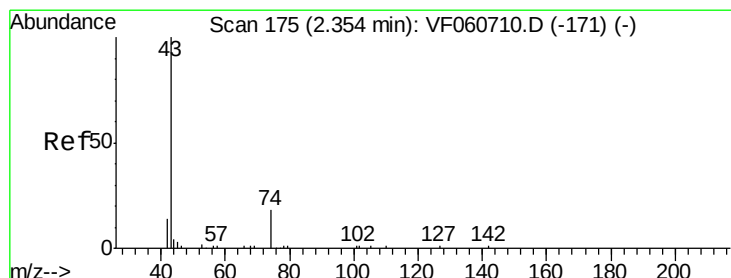
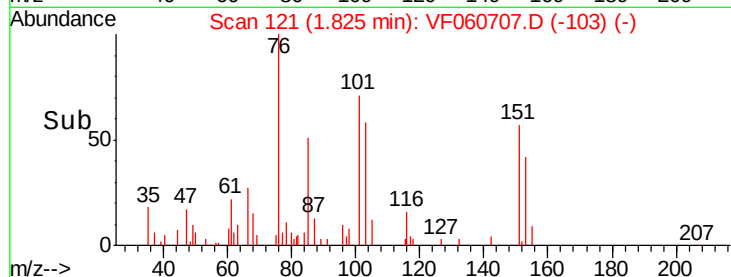
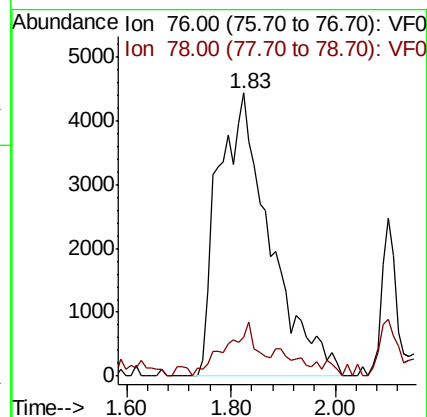
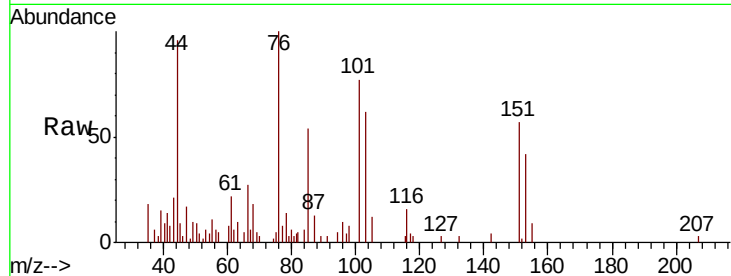
78 13.7 10.5 15.7

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#18

Methyl Acetate

Concen: 4.727 ug/l

RT: 2.36 min Scan# 175

Delta R.T. 0.00 min

Lab File: VF060707.D

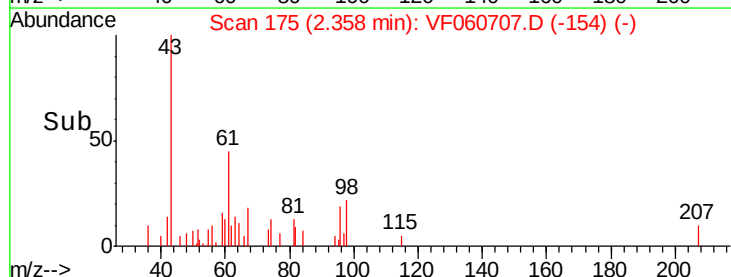
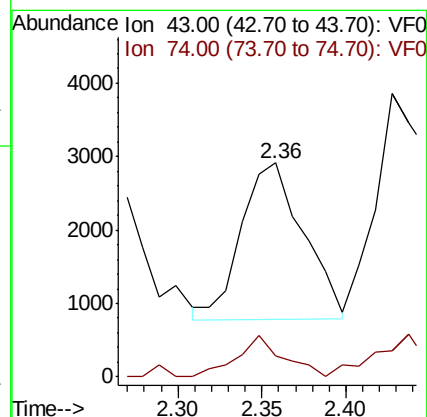
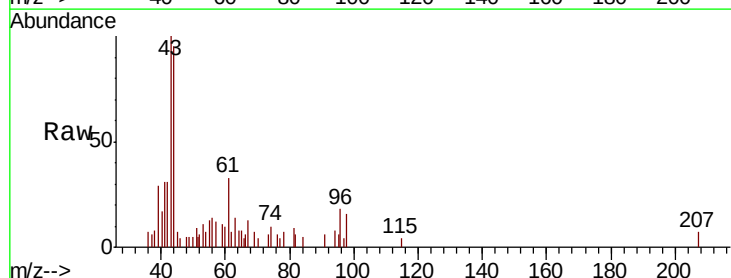
Acq: 13 Nov 2018 11:38

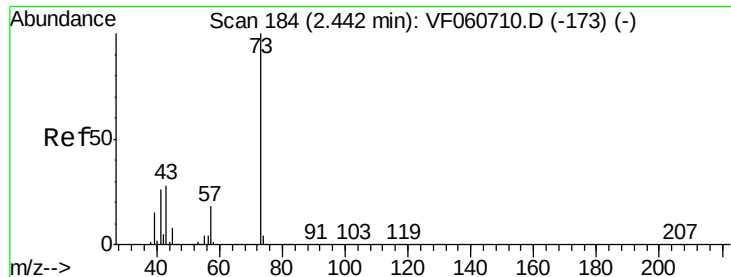
Tgt Ion: 43 Resp: 5455

Ion Ratio Lower Upper

43 100

74 9.5 11.8 17.8#





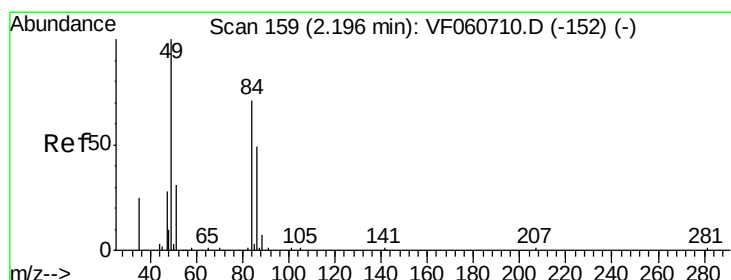
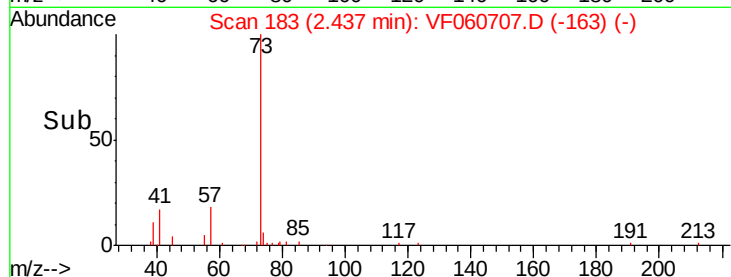
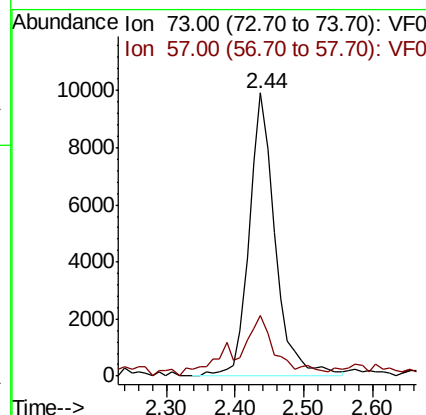
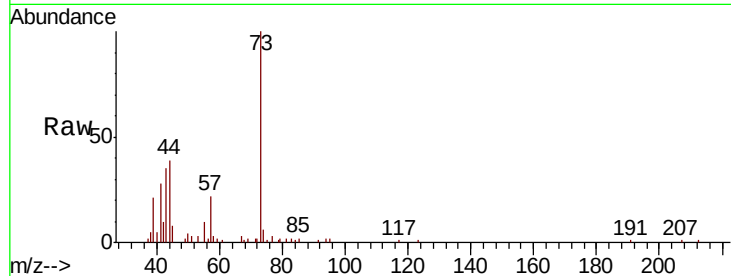
#19
Methyl tert-butyl Ether
Concen: 5.017 ug/l
RT: 2.44 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 26056
Ion Ratio Lower Upper
73 100
57 21.6 14.3 21.5#

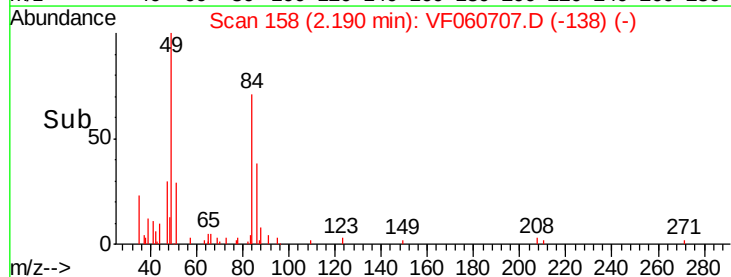
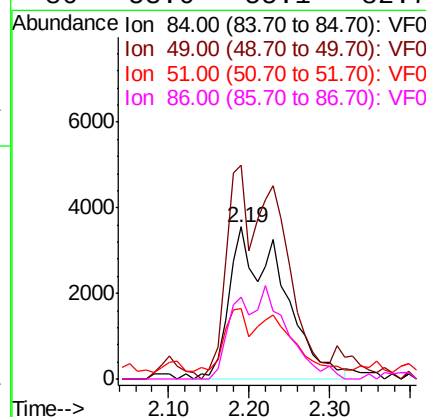
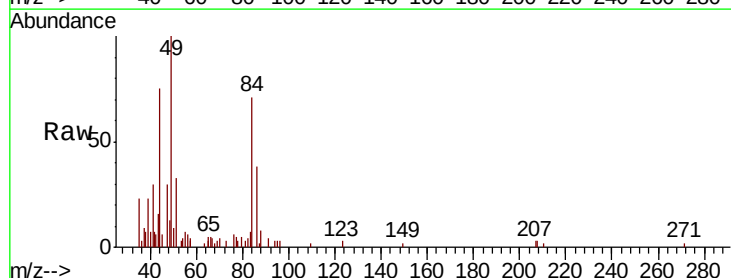
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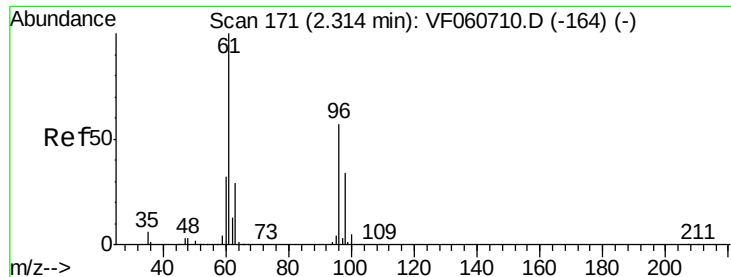
sam
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#20
Methylene Chloride
Concen: 6.585 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Tgt Ion: 84 Resp: 16111
Ion Ratio Lower Upper
84 100
49 140.8 120.2 180.4
51 46.4 37.2 55.8
86 53.6 55.1 82.7#





#21

trans-1,2-Dichloroethene

Concen: 4.578 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

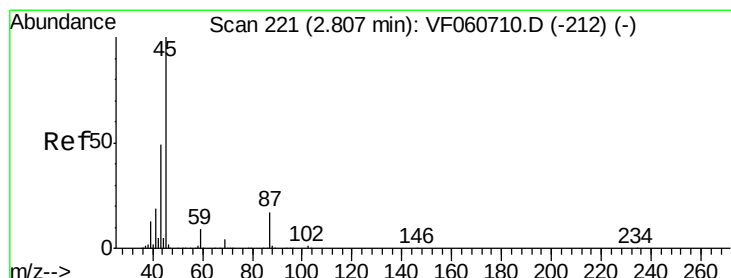
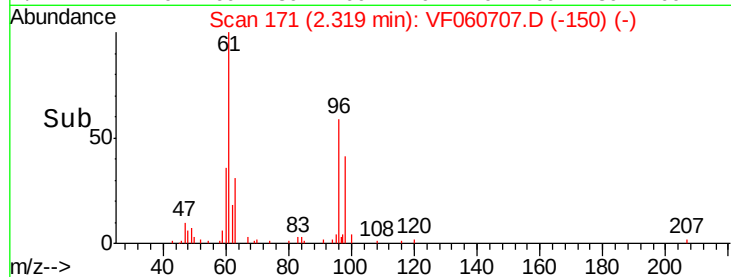
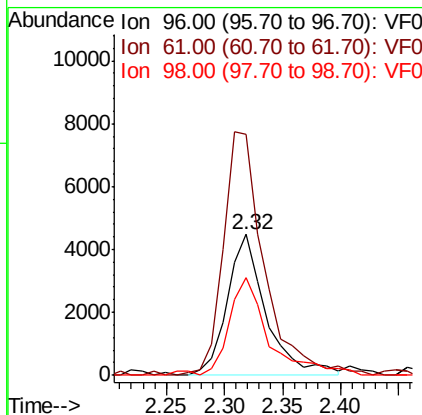
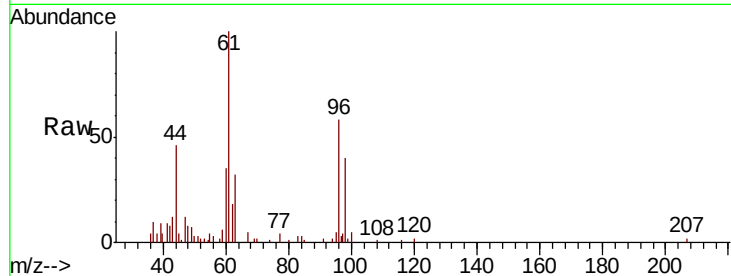
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	10353
Ion	Ratio	Lower	Upper
96	100		
61	171.6	141.6	212.4
98	69.4	47.4	71.0

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#22

Diisopropyl ether

Concen: 4.678 ug/l

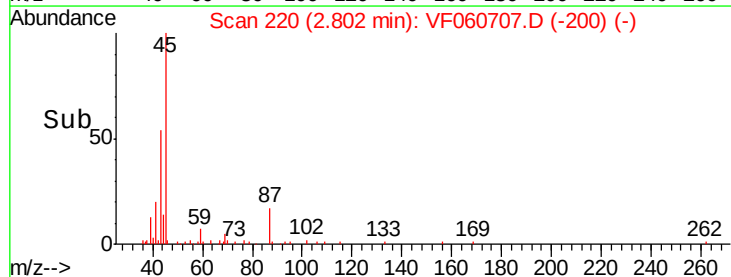
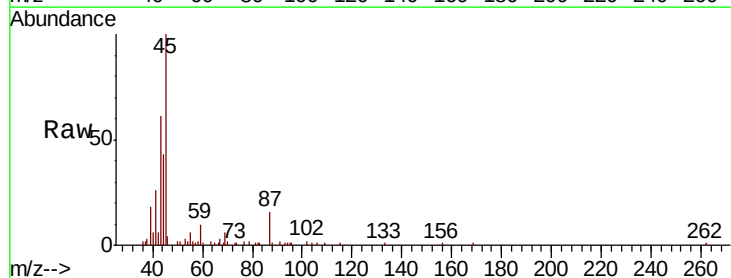
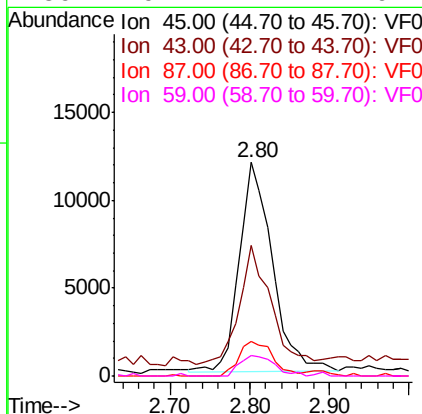
RT: 2.80 min Scan# 220

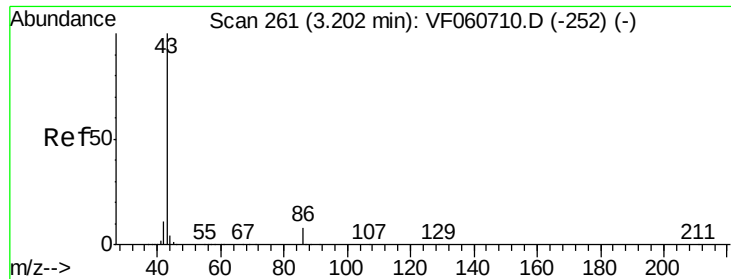
Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Tgt Ion:	45	Resp:	34249
Ion	Ratio	Lower	Upper
45	100		
43	61.2	39.9	59.9#
87	16.2	13.9	20.9
59	9.7	7.1	10.7





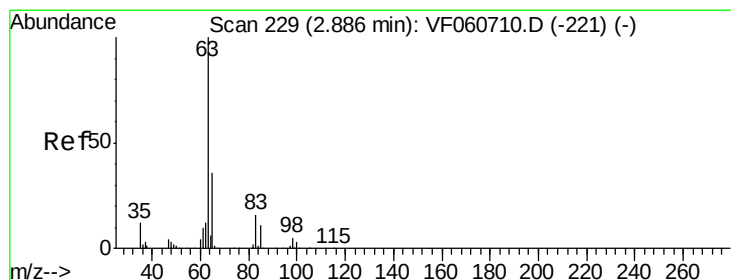
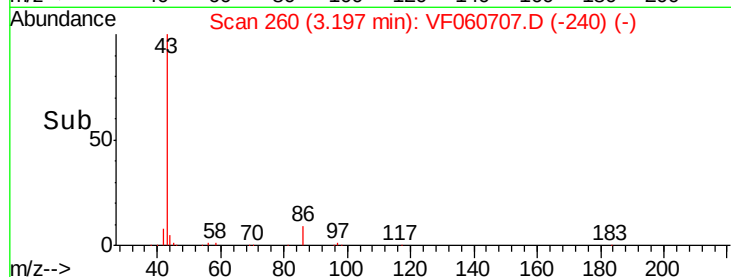
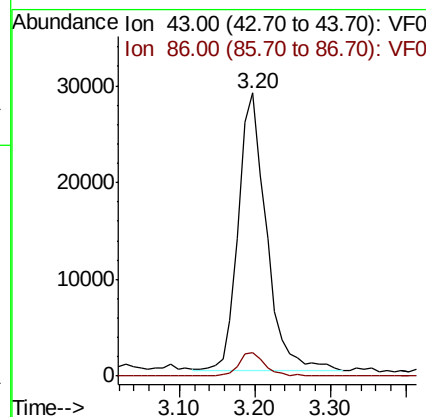
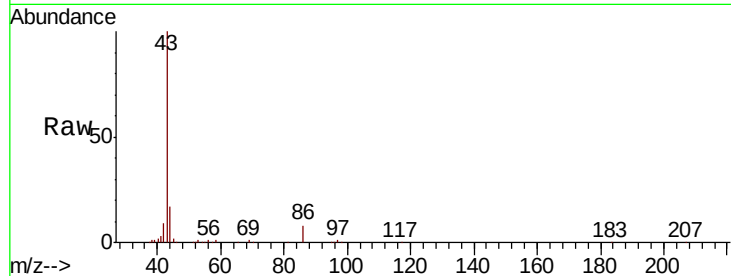
#23
Vinyl Acetate
Concen: 21.257 ug/l
RT: 3.20 min Scan# 260
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.4	9.6

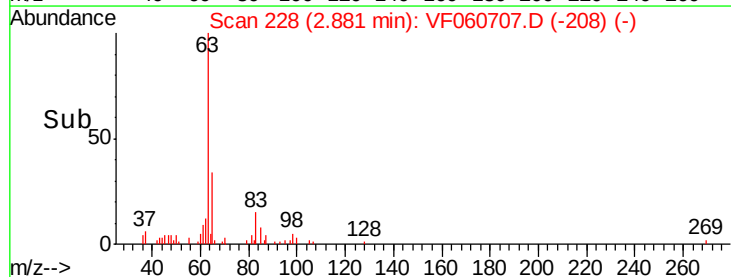
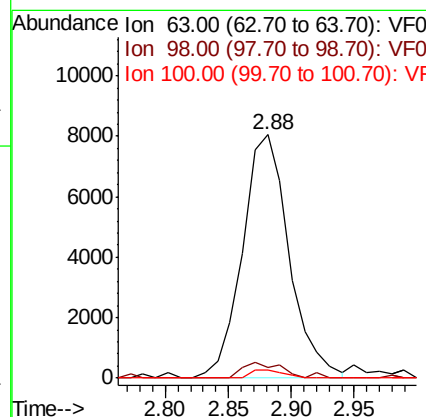
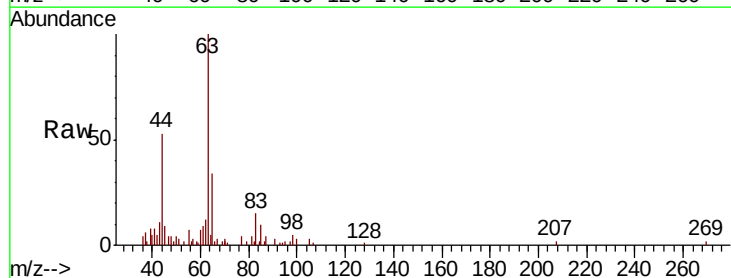
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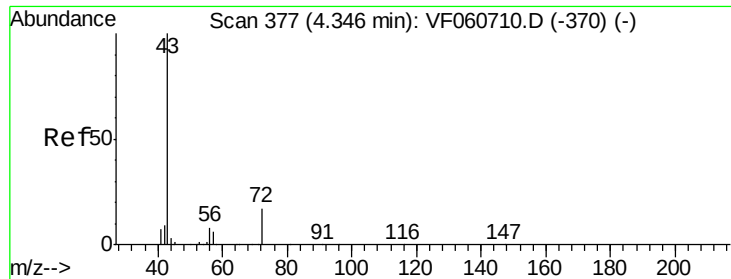
sam
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#24
1,1-Dichloroethane
Concen: 4.679 ug/l
RT: 2.88 min Scan# 228
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.4	7.1
100	3.3	1.4	4.2





#25

2-Butanone

Concen: 24.546 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 26117

Ion Ratio Lower Upper

43 100

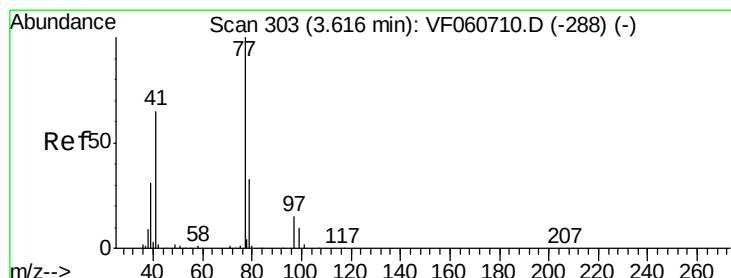
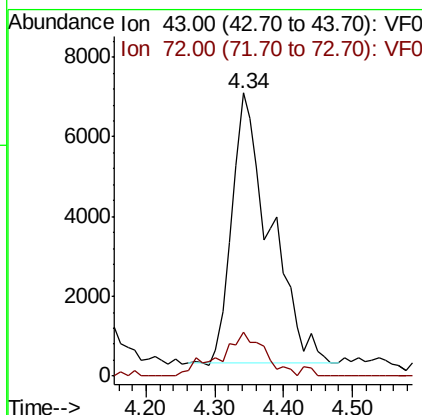
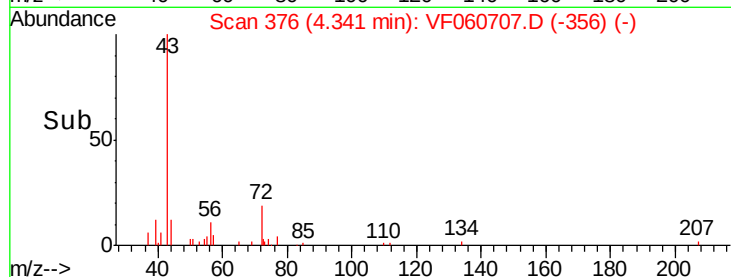
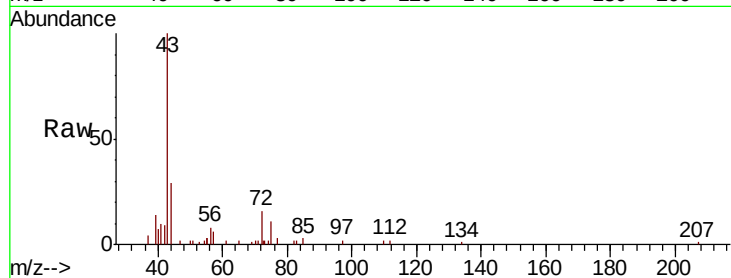
72 15.7 16.1 24.1#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 4.929 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF060707.D

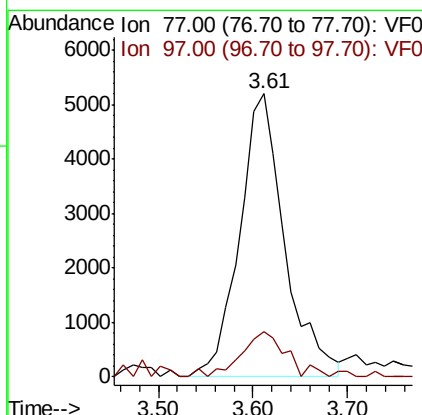
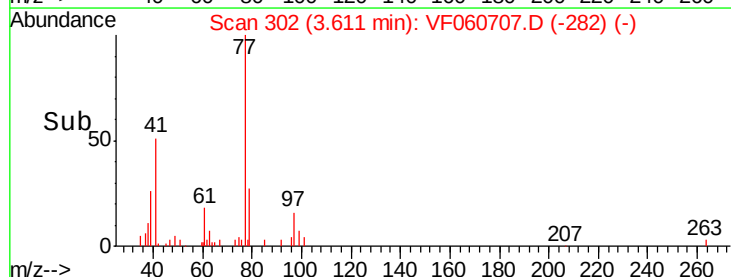
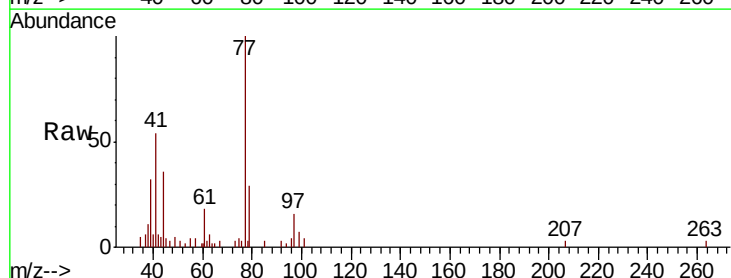
Acq: 13 Nov 2018 11:38

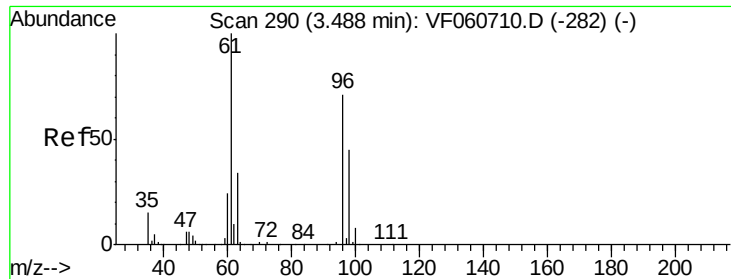
Tgt Ion: 77 Resp: 17192

Ion Ratio Lower Upper

77 100

97 15.9 8.8 26.5





#27

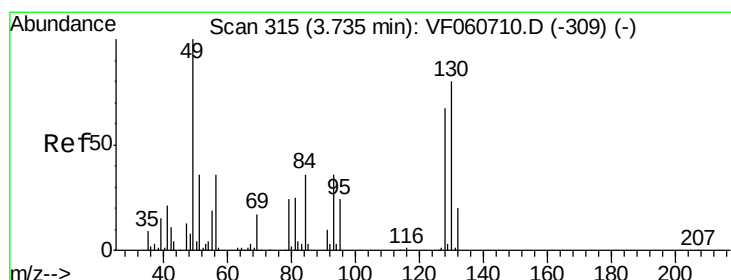
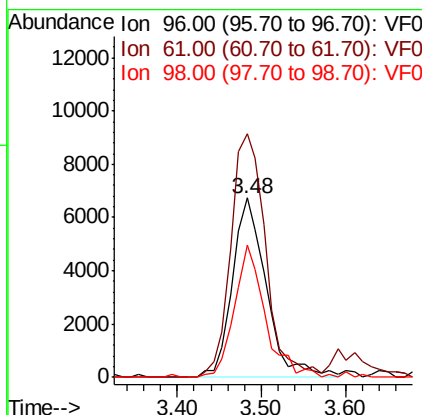
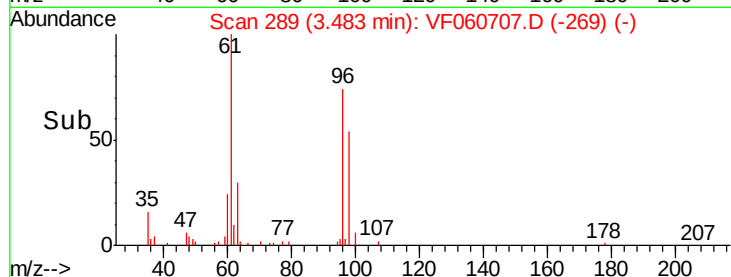
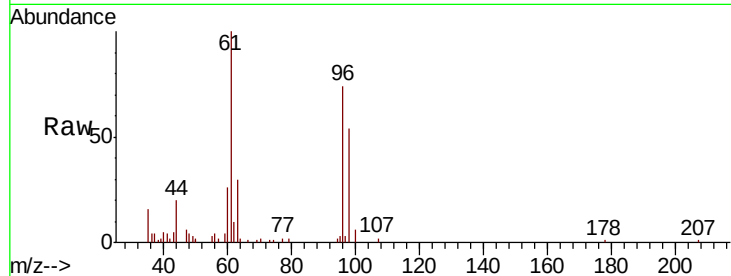
cis-1,2-Dichloroethene
Concen: 4.910 ug/l
RT: 3.48 min Scan# 289
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.6	0.0	280.6
98	73.4	0.0	127.6

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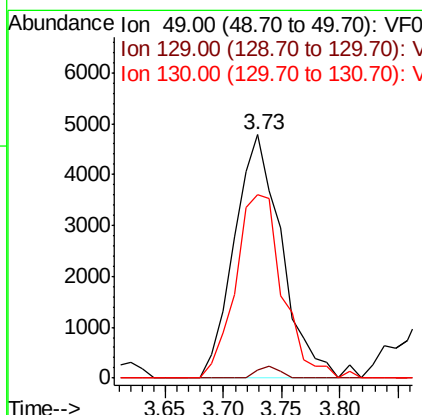
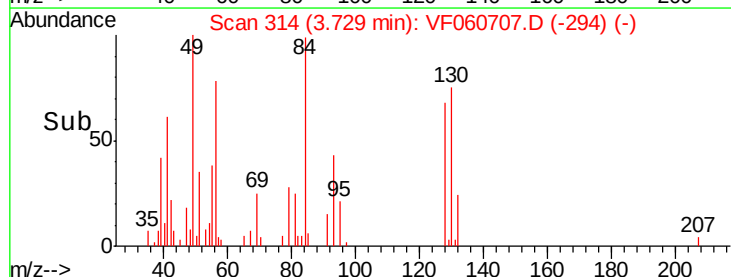
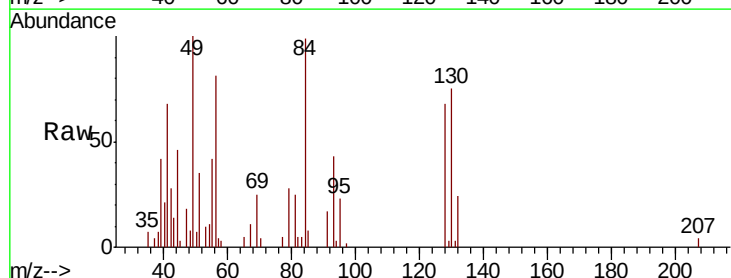
sam
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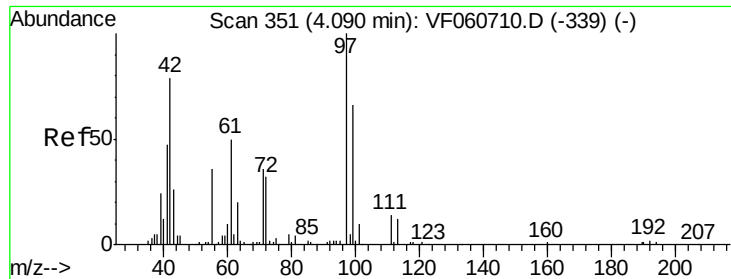


#28

Bromochloromethane
Concen: 5.821 ug/l
RT: 3.73 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.2
130	75.2	63.9	95.9





#29

Tetrahydrofuran

Concen: 24.663 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

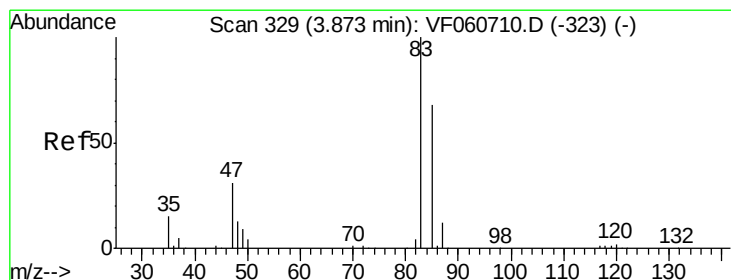
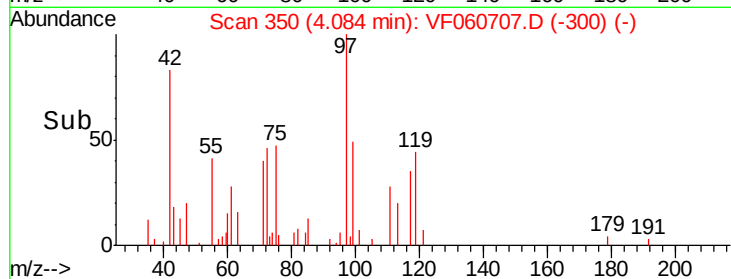
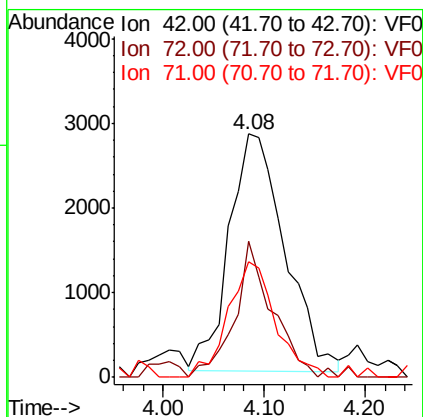
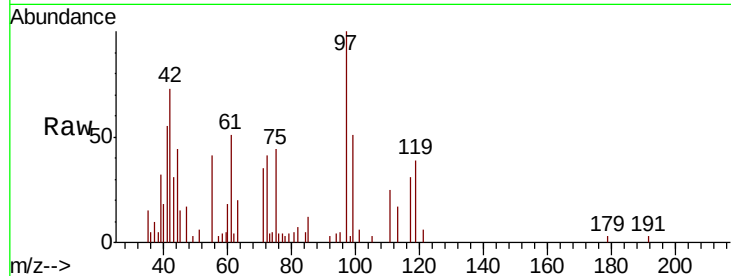
ClientSampleId :

VSTDIC005

Tot Ion:	42	Resp:	10824
Ion Ratio		Lower	Upper
42	100		
72	38.5	30.3	45.5
71	41.3	32.2	48.2

Manual Integrations
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#30

Chloroform

Concen: 5.096 ug/l

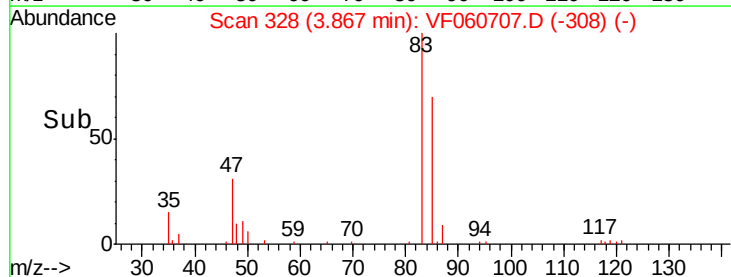
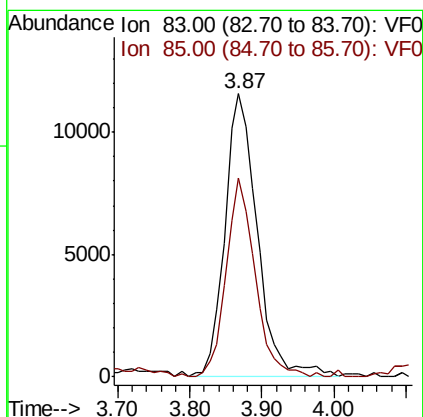
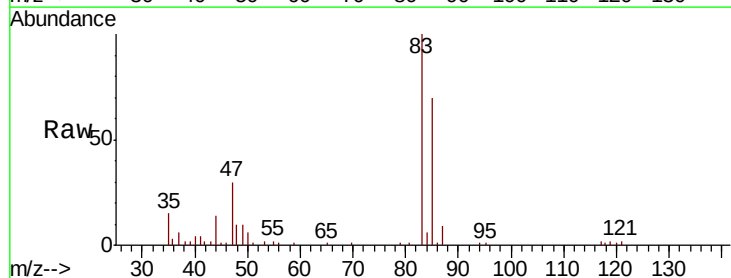
RT: 3.87 min Scan# 328

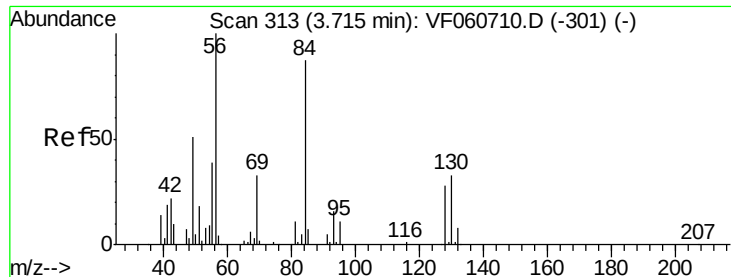
Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Tgt Ion:	83	Resp:	36241
Ion Ratio		Lower	Upper
83	100		
85	70.3	54.6	82.0





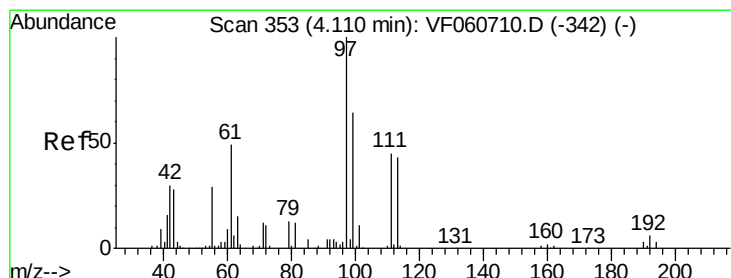
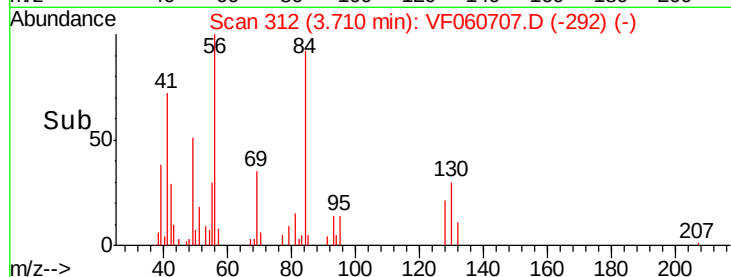
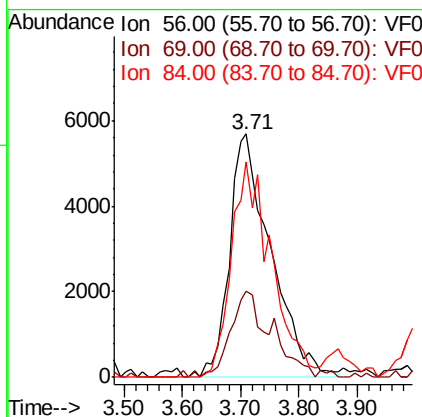
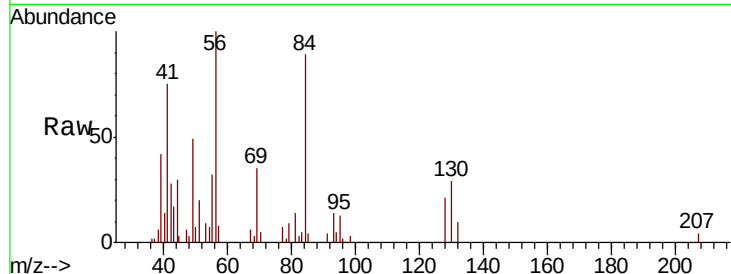
#31
Cyclohexane
Concen: 5.224 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.1	26.0	39.0
84	88.7	69.4	104.2

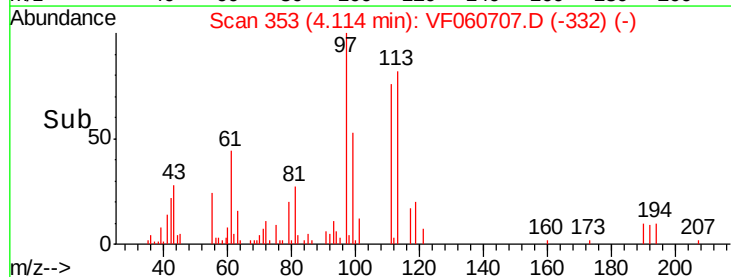
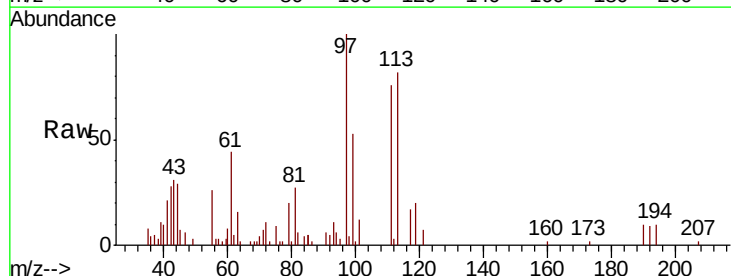
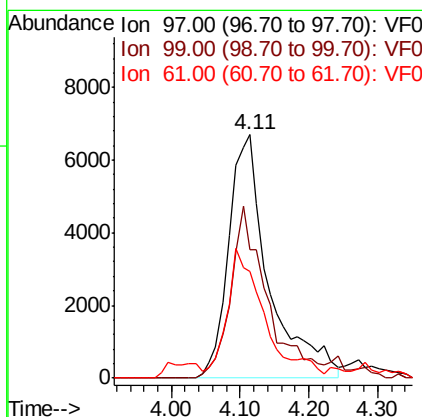
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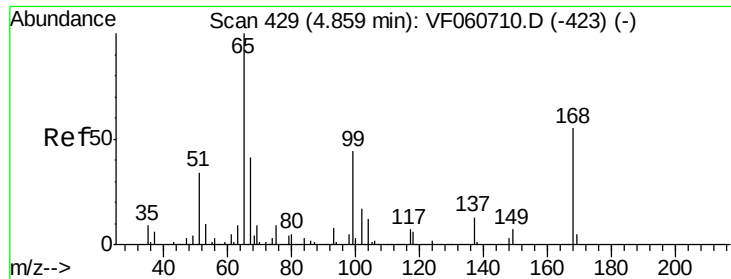
sam
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#32
1,1,1-Trichloroethane
Concen: 4.873 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	52.7	51.1	76.7
61	43.9	40.1	60.1





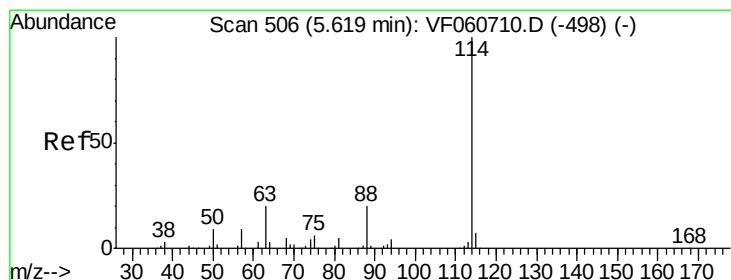
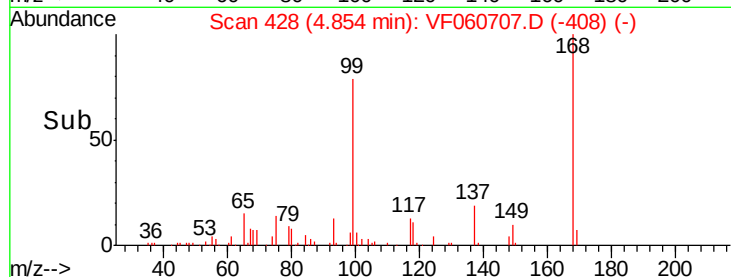
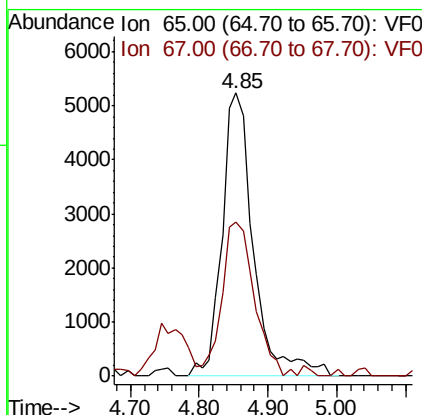
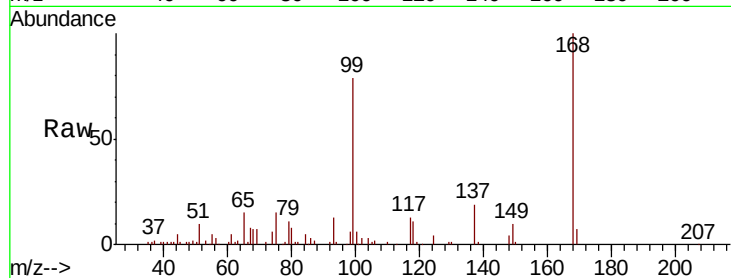
#33
 1,2-Dichloroethane-d4
 Concen: 5.476 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VF060707.D
 Acq: 13 Nov 2018 11:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	90.2

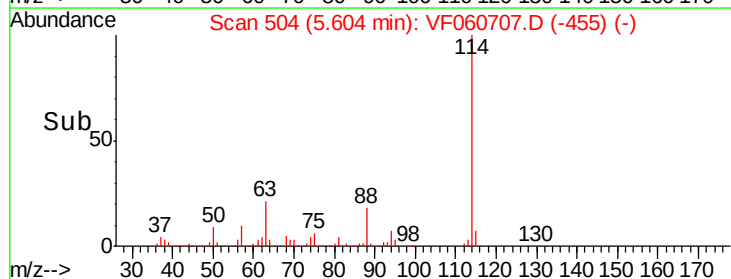
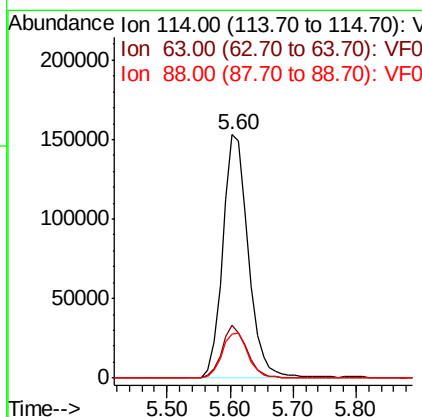
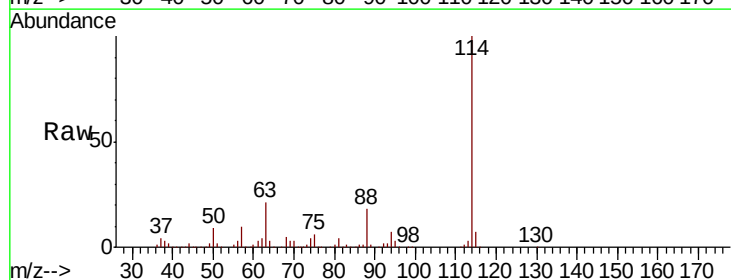
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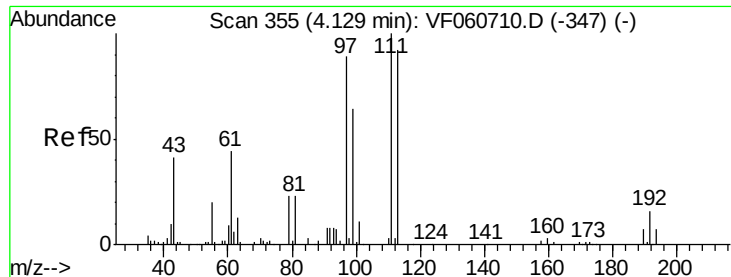
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.02 min
 Lab File: VF060707.D
 Acq: 13 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	40.8
88	17.9	0.0	39.6





#35

Dibromofluoromethane

Concen: 5.688 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

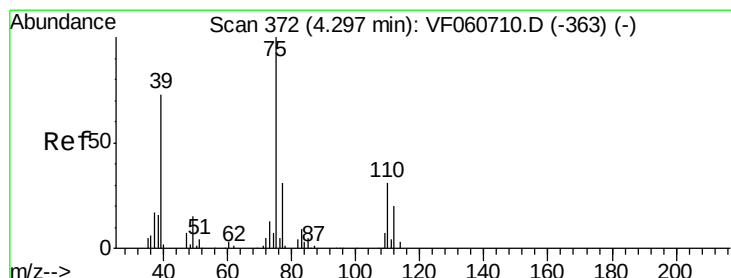
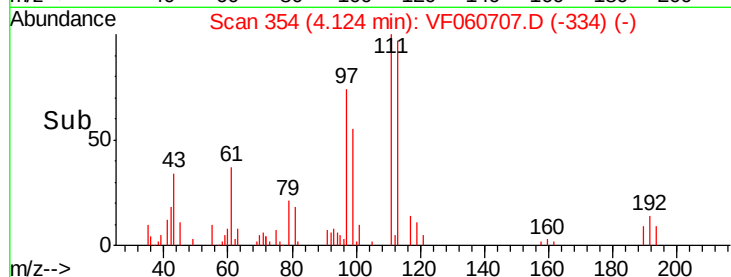
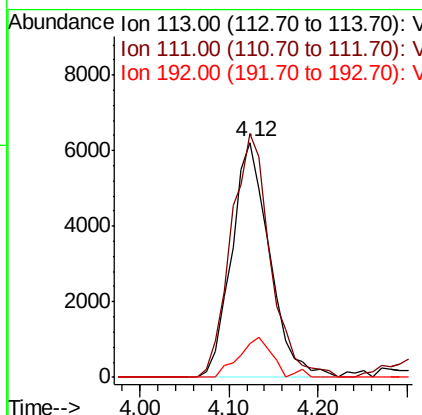
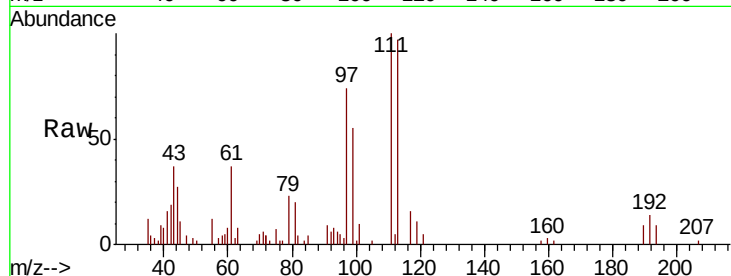
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	18457
Ion	Ratio	Lower	Upper
113	100		
111	103.6	87.1	130.7
192	14.4	13.8	20.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 5.133 ug/l

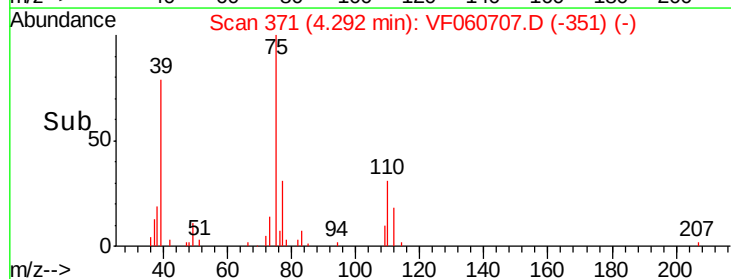
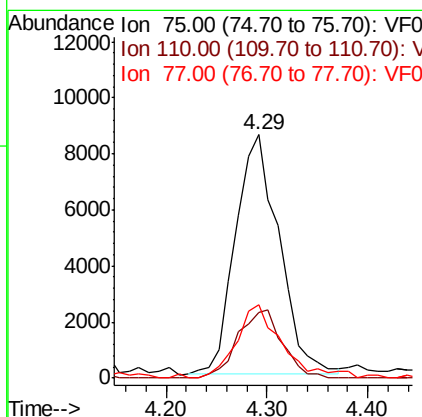
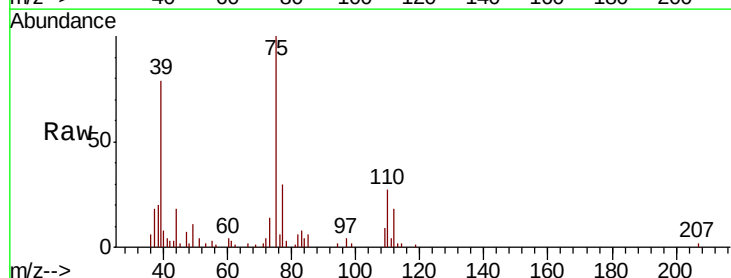
RT: 4.29 min Scan# 371

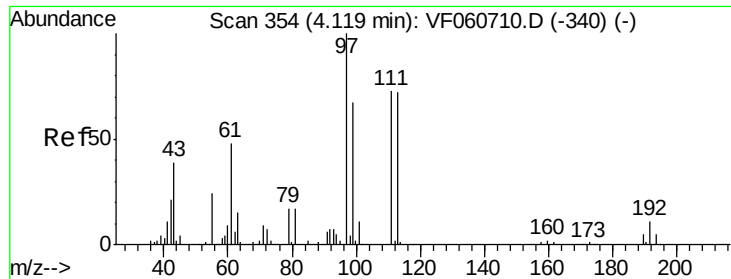
Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Tgt Ion:	75	Resp:	25701
Ion	Ratio	Lower	Upper
75	100		
110	26.9	15.6	46.8
77	30.2	25.0	37.6





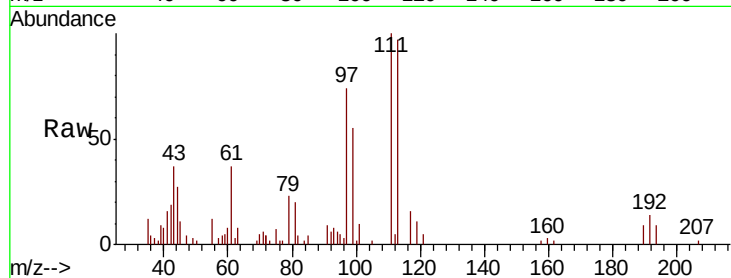
#37
Ethyl Acetate
Concen: 5.158 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	100.4	98.5	147.7
70	14.8	7.4	11.0

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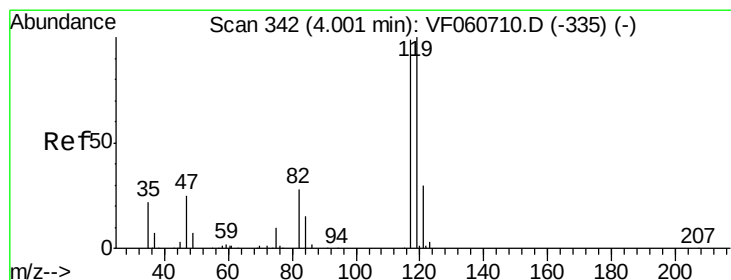
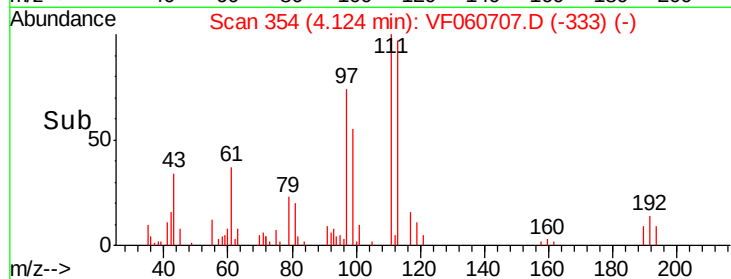
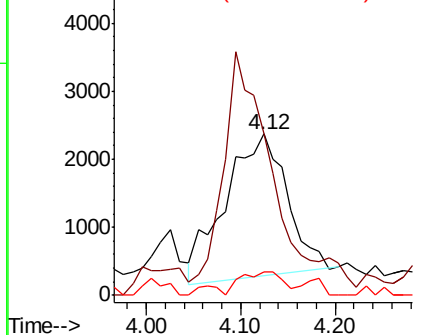


Abundance

Ion 43.00 (42.70 to 43.70): VF0

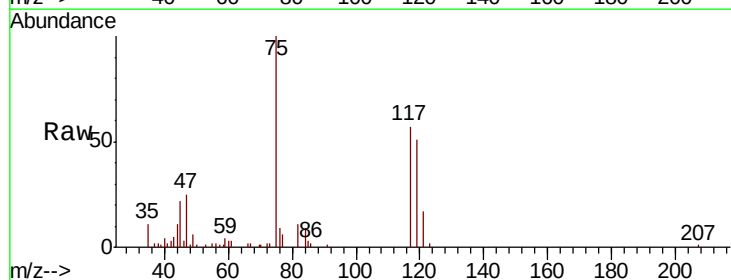
Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38
Carbon Tetrachloride
Concen: 4.963 ug/l
RT: 4.01 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.2	80.7	121.1
121	30.6	24.3	36.5

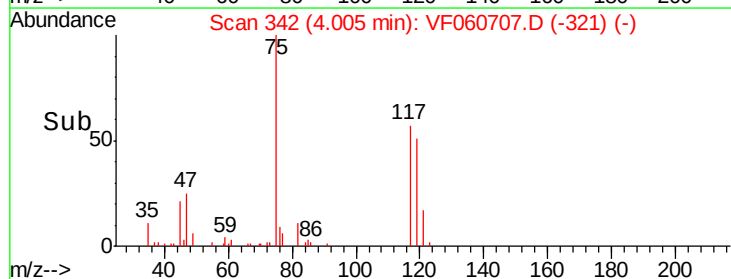
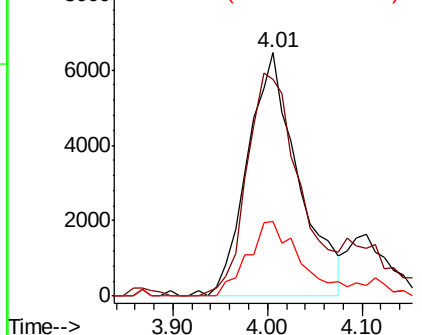


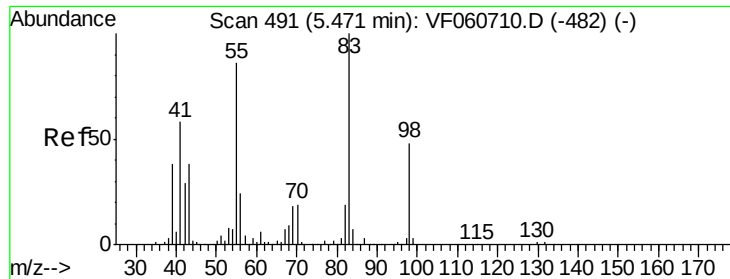
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





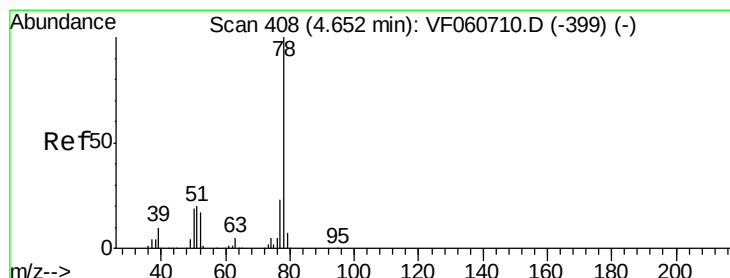
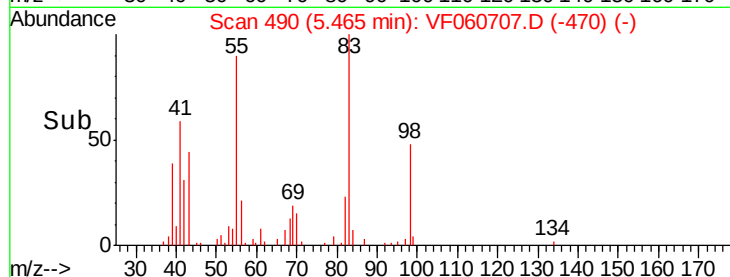
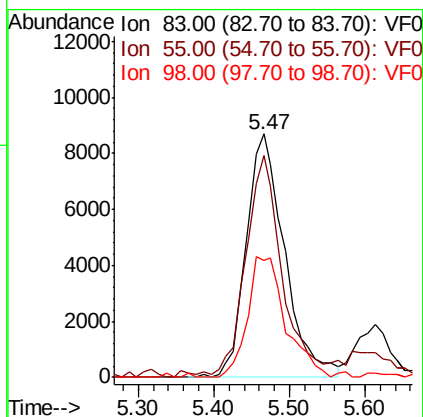
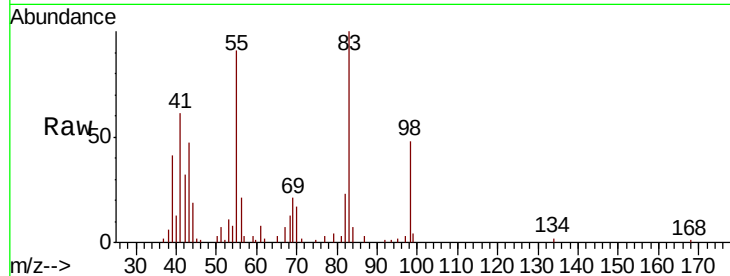
#39
Methylvlcyclohexane
Concen: 5.290 ug/l
RT: 5.47 min Scan# 490
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.0	69.0	103.4
98	47.9	38.5	57.7

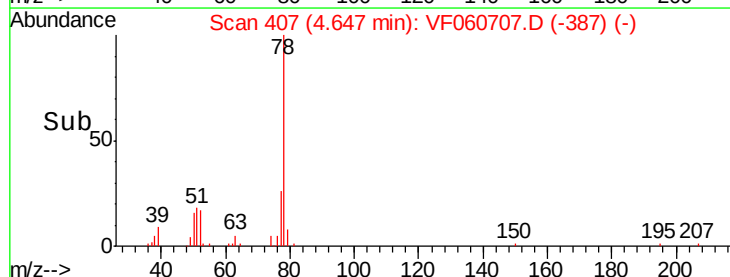
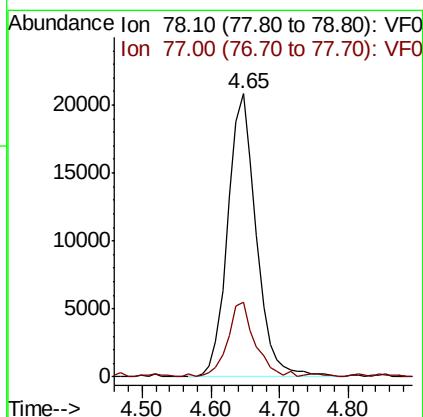
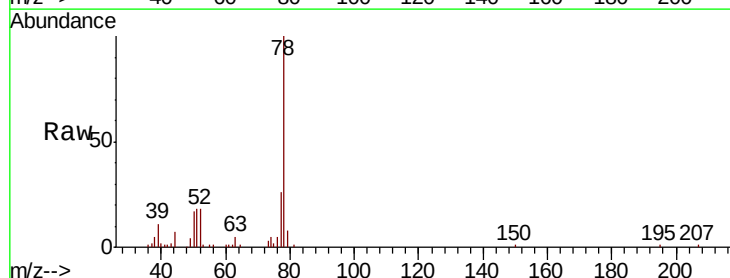
Manual Integrations
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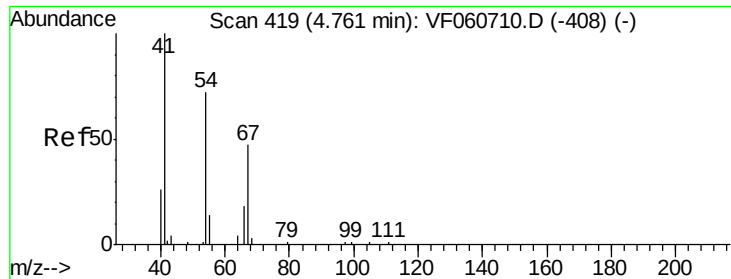
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#40
Benzene
Concen: 5.356 ug/l
RT: 4.65 min Scan# 407
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.4	18.6	28.0





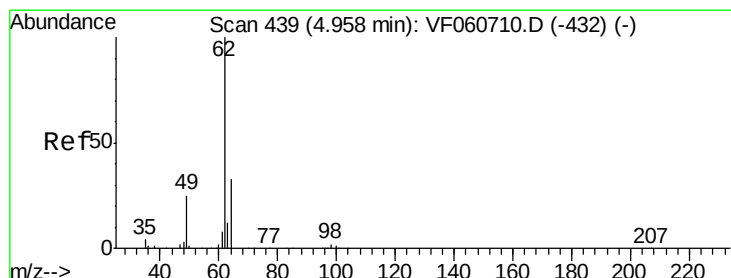
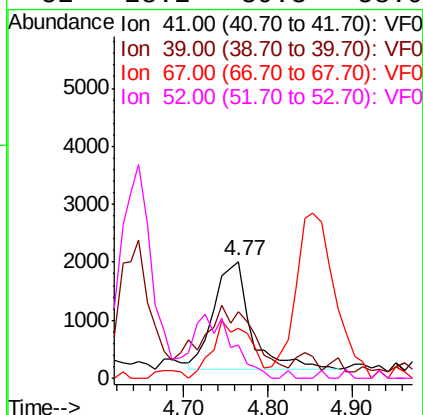
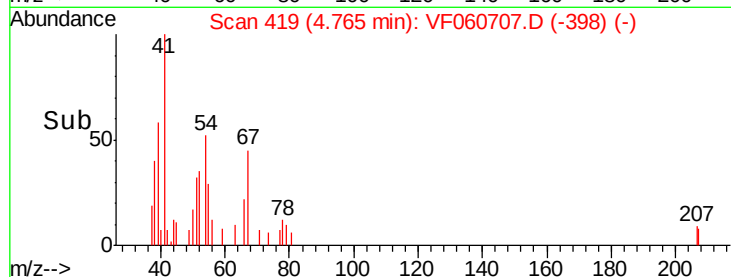
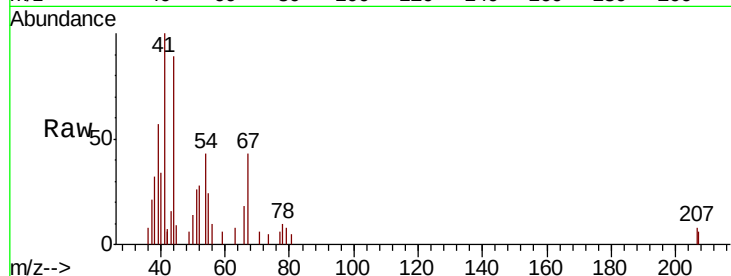
#41
Methacrylonitrile
Concen: 5.058 ug/l
RT: 4.77 min Scan# 419
Delta R.T. 0.00 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.6	47.1	70.7
67	42.5	37.1	55.7
52	28.2	39.3	58.9

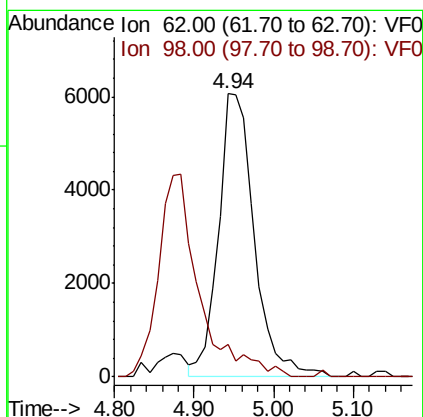
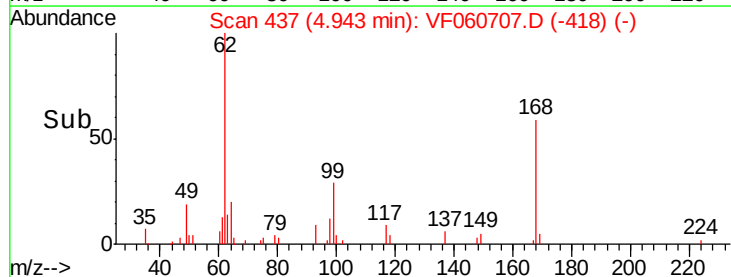
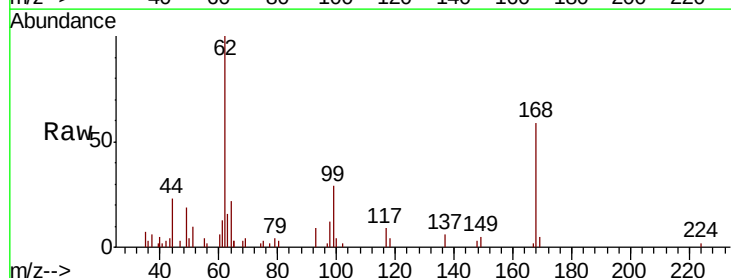
Manual Integrations
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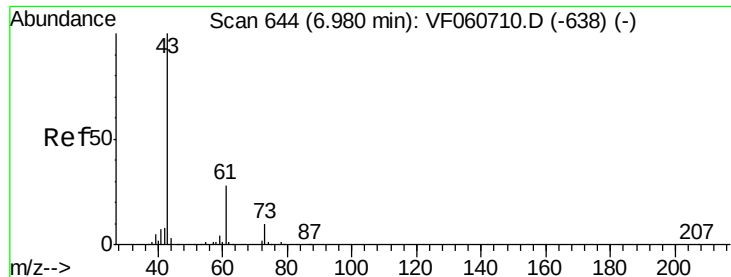
sam
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#42
1,2-Dichloroethane
Concen: 4.976 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.02 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.6	0.0	16.6





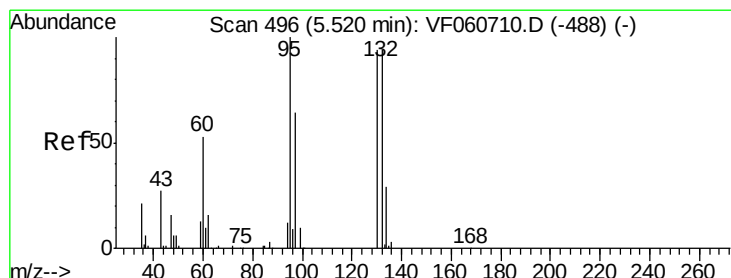
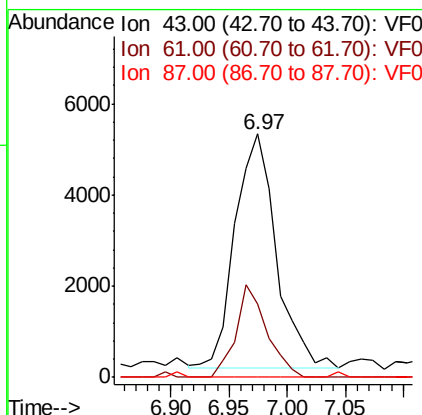
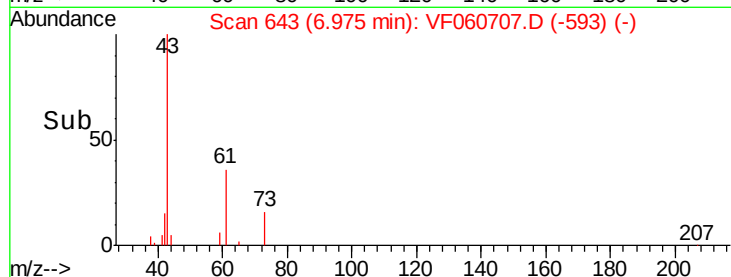
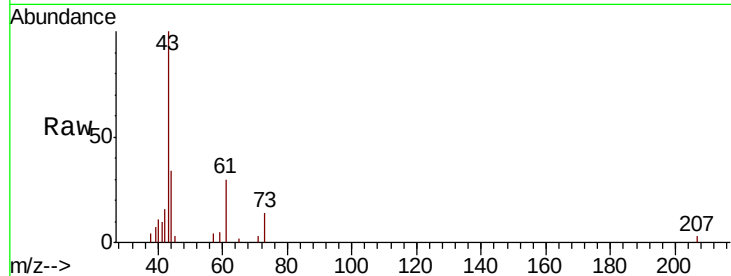
#43
Isopropyl Acetate
Concen: 5.148 ug/l
RT: 6.97 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.1	22.2	33.4
87	0.0	0.4	0.6

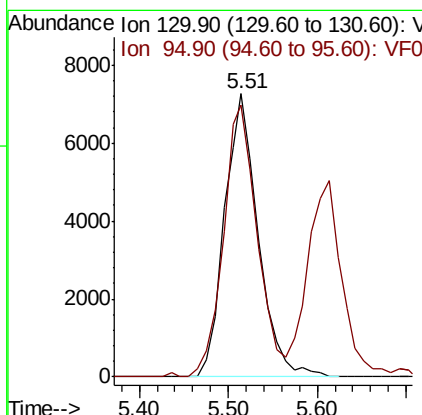
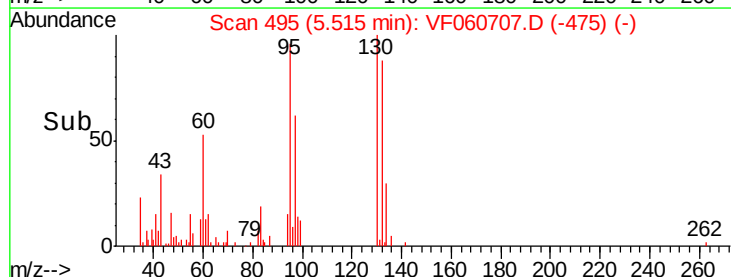
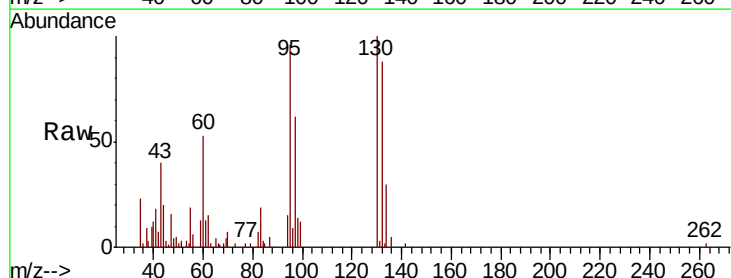
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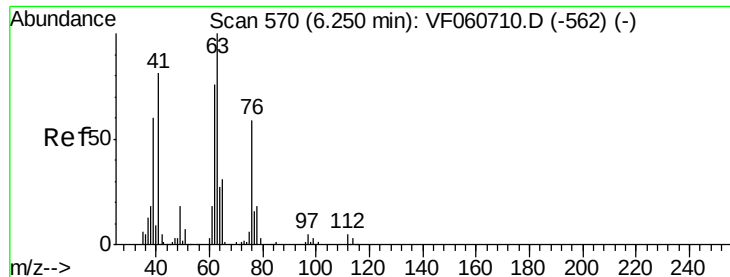
sam
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#44
Trichloroethene
Concen: 5.432 ug/l
RT: 5.51 min Scan# 495
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	212.6





#45

1,2-Dichloropropane

Concen: 5.435 ug/l

RT: 6.25 min Scan# 570

Delta R.T. 0.00 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 15784

Ion Ratio Lower Upper

63 100

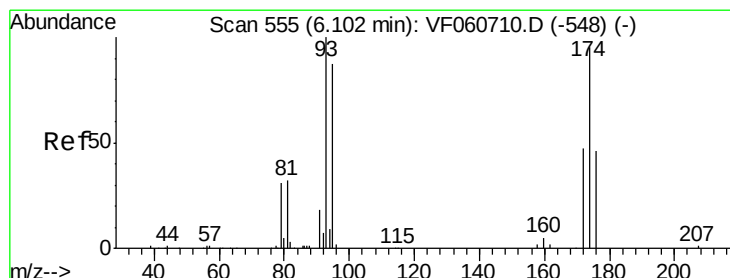
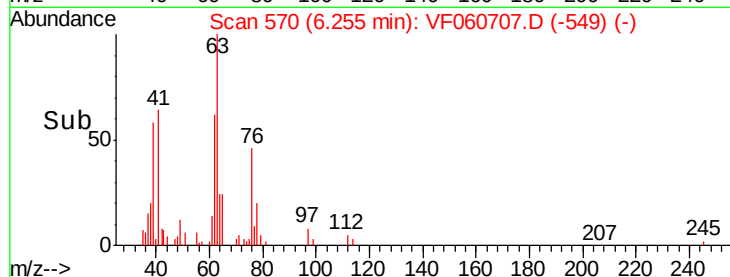
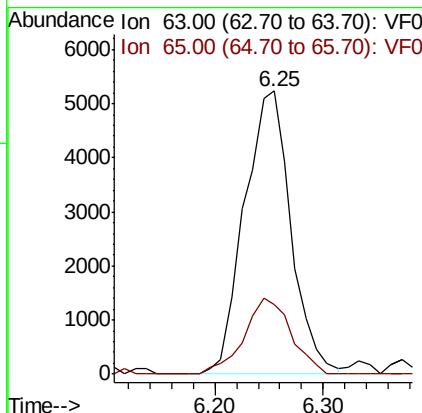
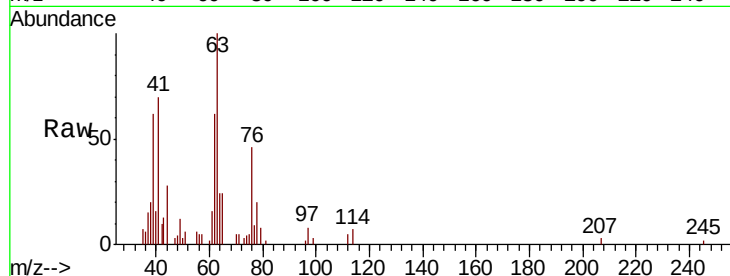
65 24.5 24.6 36.8#

Manual Integrations

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#46

Dibromomethane

Concen: 4.730 ug/l

RT: 6.10 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

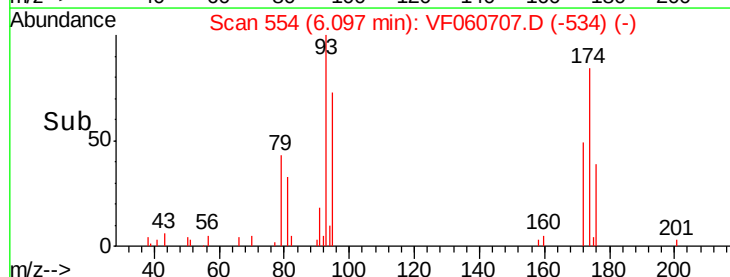
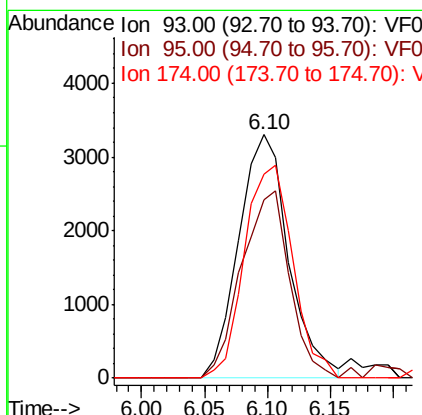
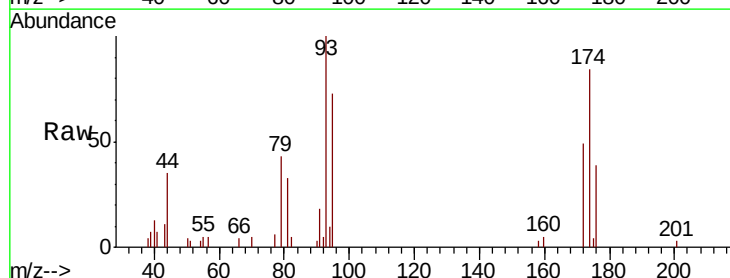
Tgt Ion: 93 Resp: 9067

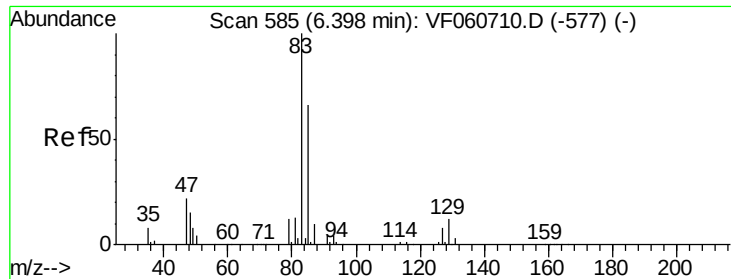
Ion Ratio Lower Upper

93 100

95 73.1 69.5 104.3

174 83.7 76.2 114.2





#47

Bromodichloromethane

Concen: 4.976 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

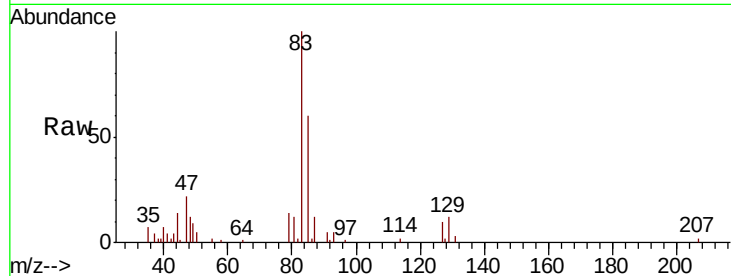
ClientSampleId :

VSTDIC005

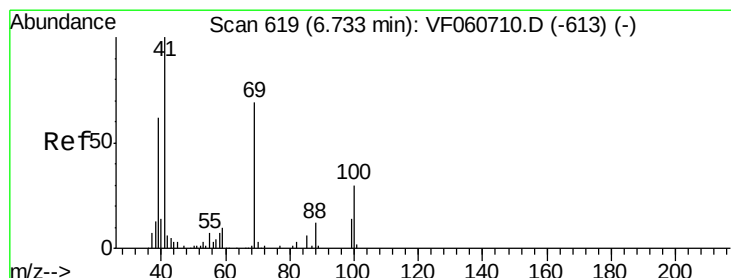
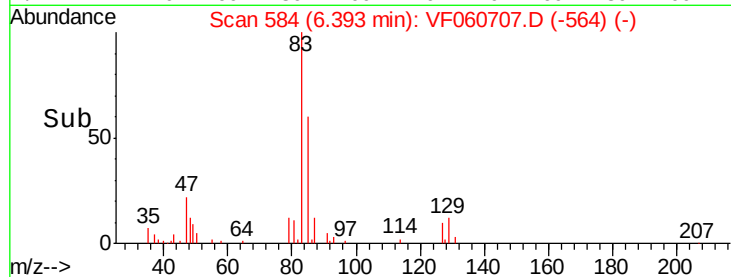
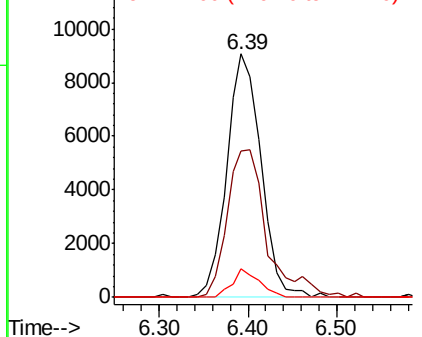
Tot Ion:	83	Resp:	24359
Ion	Ratio	Lower	Upper
83	100		
85	59.9	52.4	78.6
127	11.7	6.8	10.2#

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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 5.308 ug/l

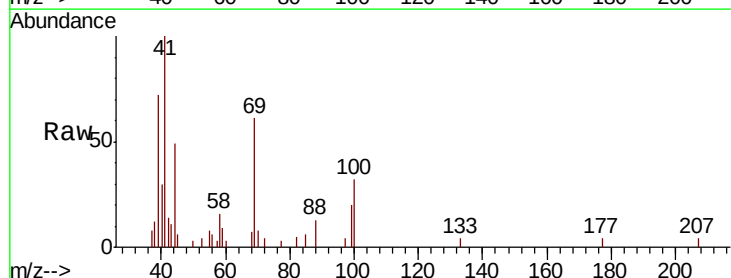
RT: 6.73 min Scan# 618

Delta R.T. -0.01 min

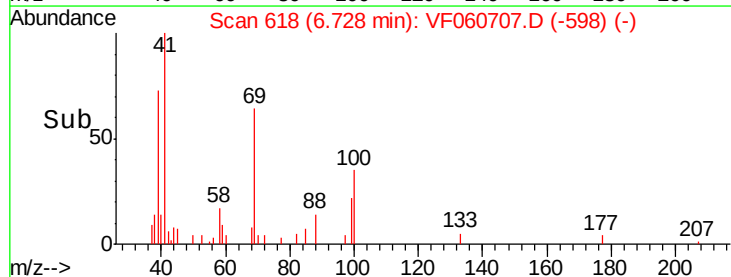
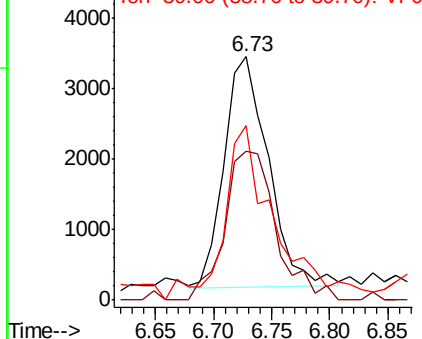
Lab File: VF060707.D

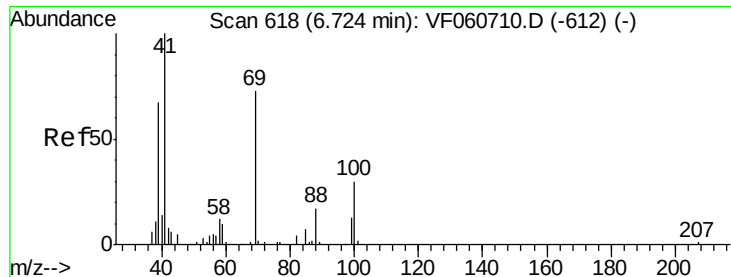
Acq: 13 Nov 2018 11:38

Tgt Ion:	41	Resp:	8669
Ion	Ratio	Lower	Upper
41	100		
69	61.0	54.9	82.3
39	71.9	49.6	74.4



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





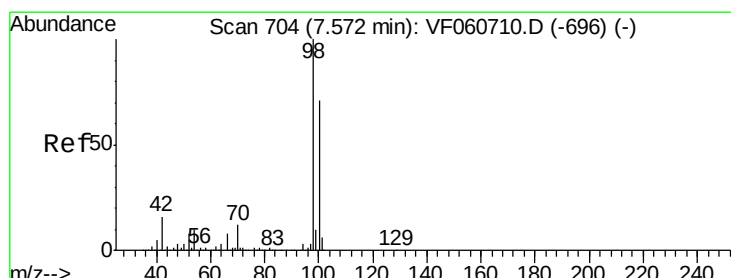
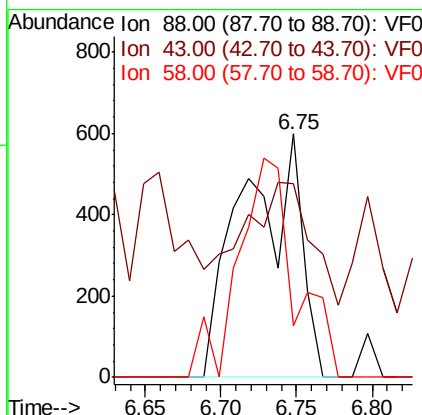
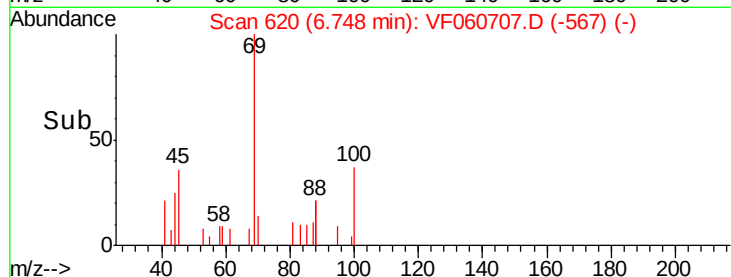
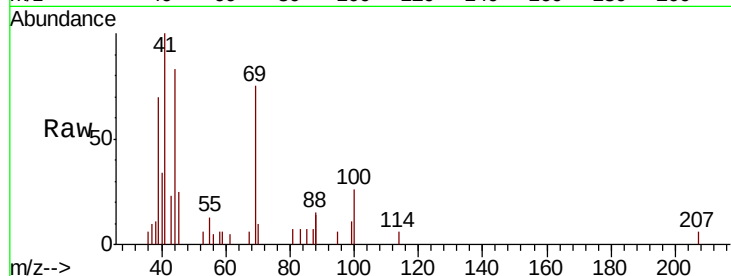
#49
1,4-Dioxane
Concen: 105.137 ug/l
RT: 6.75 min Scan# 620
Delta R.T. 0.02 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	79.6	44.6	66.8#
58	21.0	54.5	81.7#

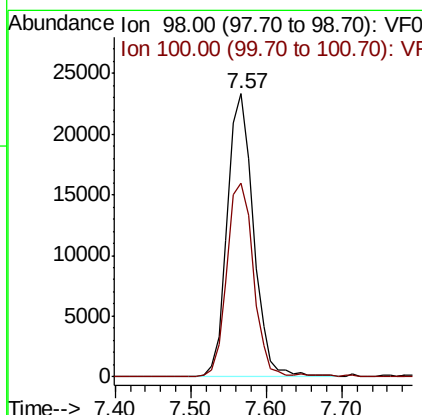
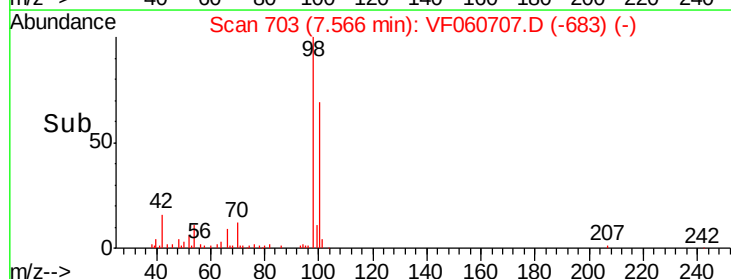
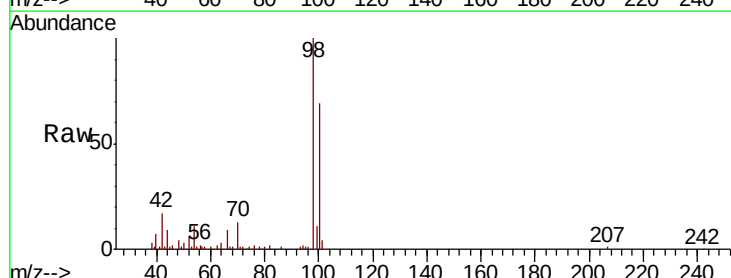
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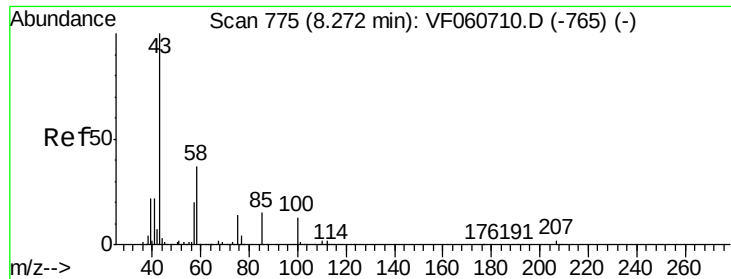
sam
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#50
Toluene-d8
Concen: 5.958 ug/l
RT: 7.57 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.7	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 27.357 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 48829

Ion Ratio Lower Upper

43 100

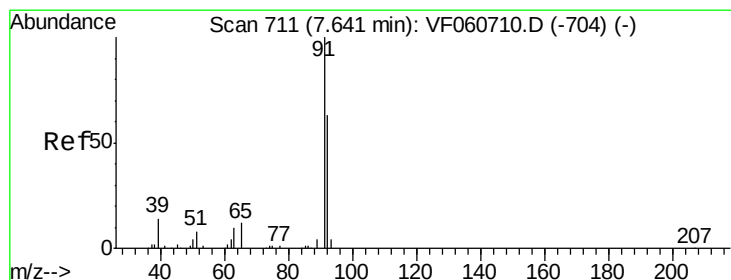
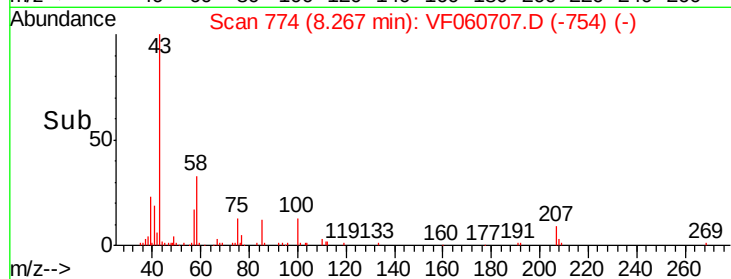
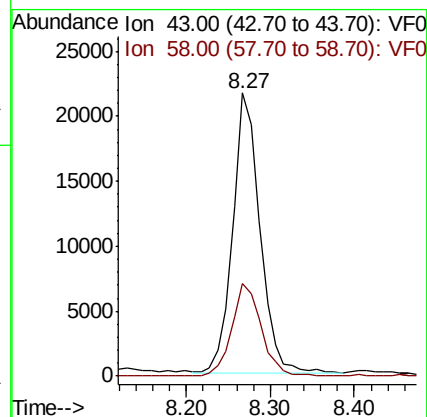
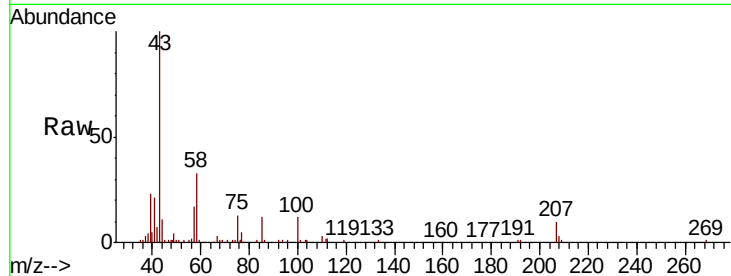
58 32.7 29.2 43.8

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#52

Toluene

Concen: 5.681 ug/l

RT: 7.64 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060707.D

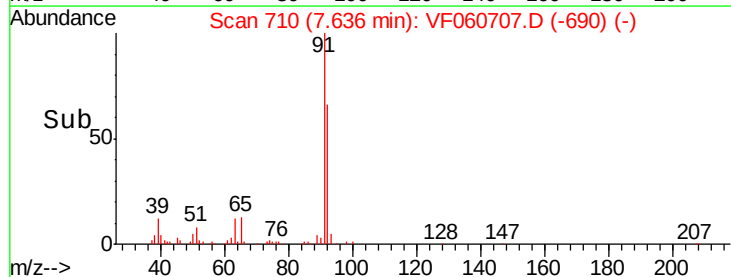
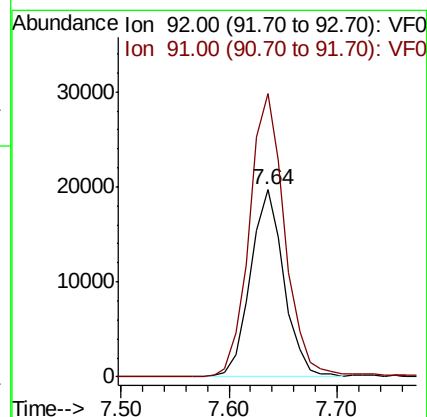
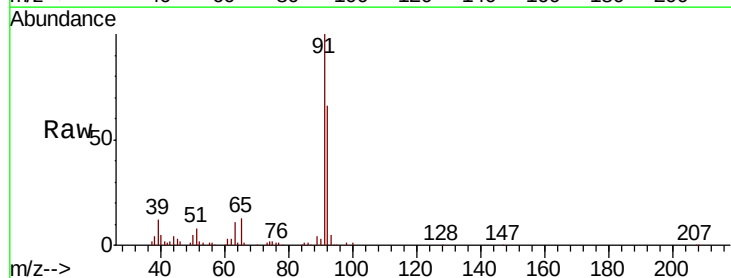
Acq: 13 Nov 2018 11:38

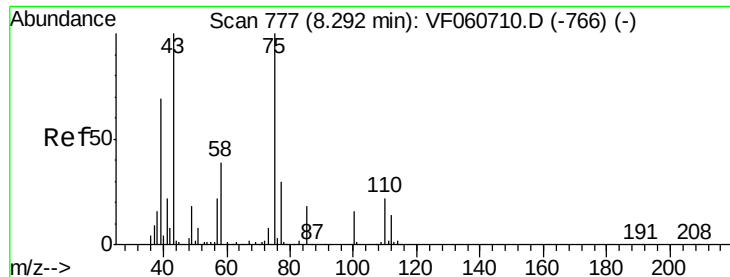
Tgt Ion: 92 Resp: 42485

Ion Ratio Lower Upper

92 100

91 151.3 126.7 190.1





#53

t-1,3-Dichloropropene

Concen: 5.243 ug/l

RT: 8.29 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 20558

Ion Ratio Lower Upper

75 100

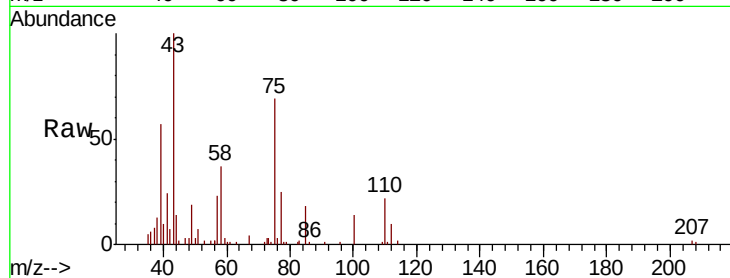
77 35.5 24.6 36.8

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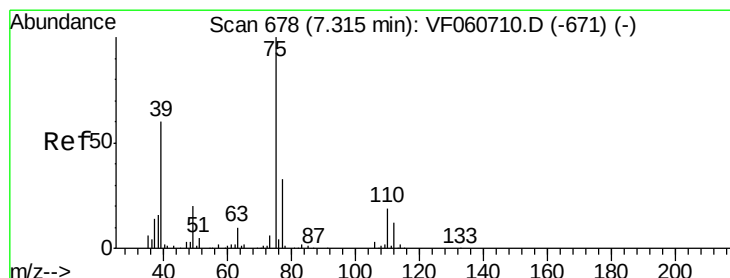
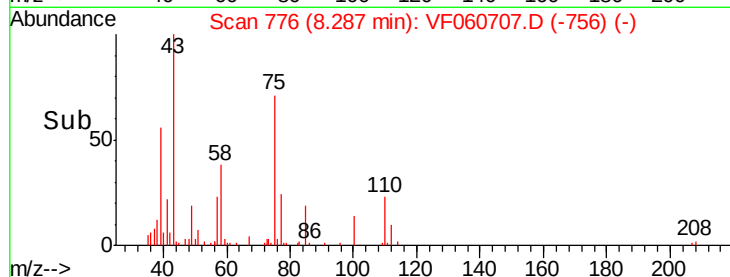
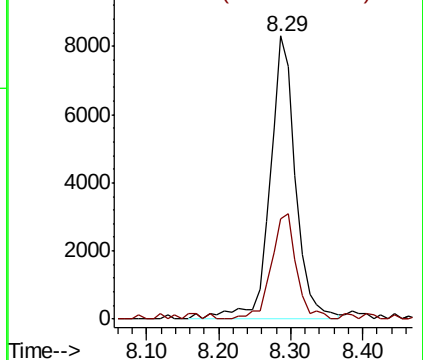
sam

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 5.127 ug/l

RT: 7.31 min Scan# 677

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

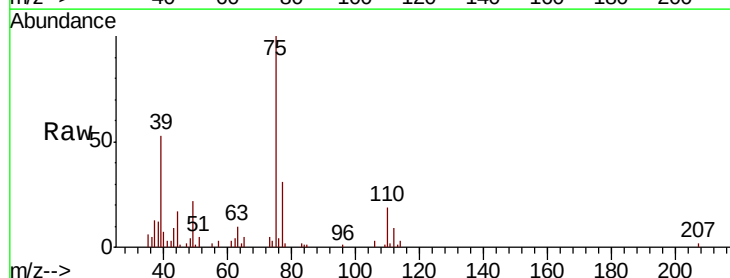
Tgt Ion: 75 Resp: 26110

Ion Ratio Lower Upper

75 100

77 31.1 26.5 39.7

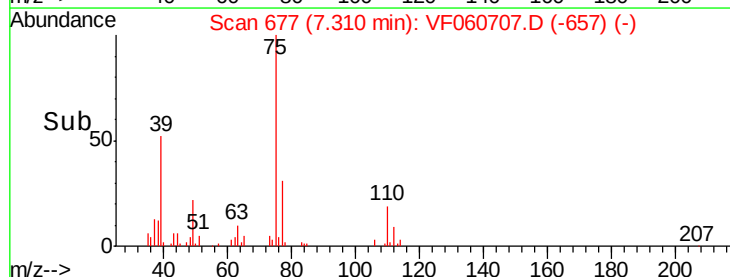
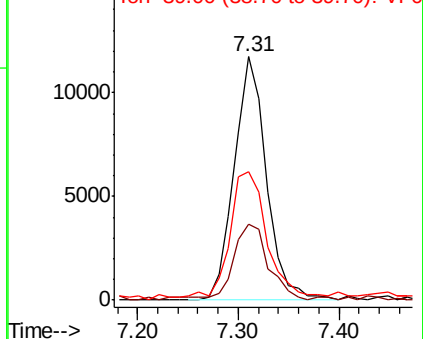
39 52.8 48.5 72.7

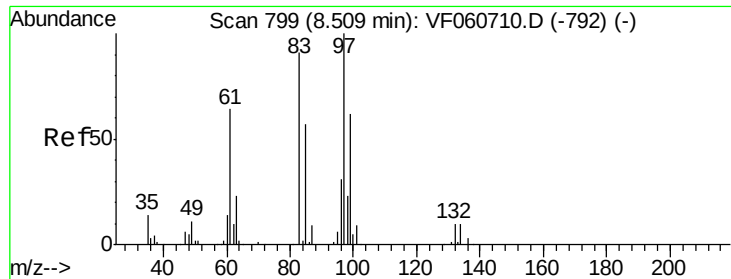


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 5.202 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

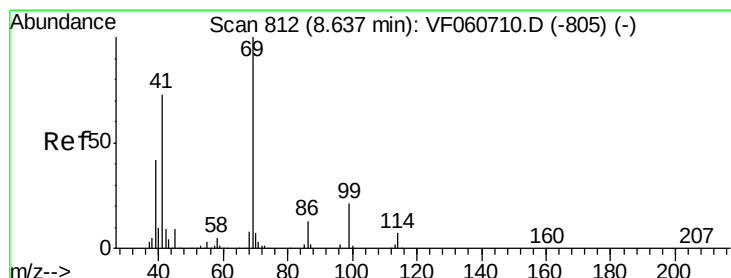
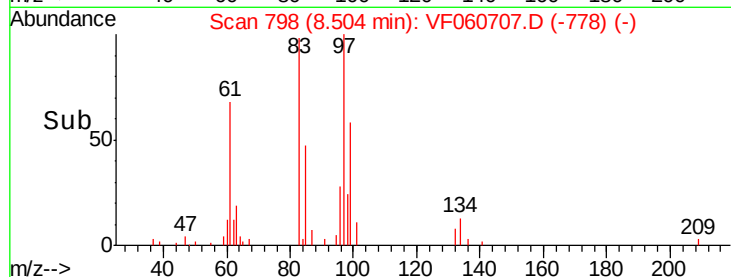
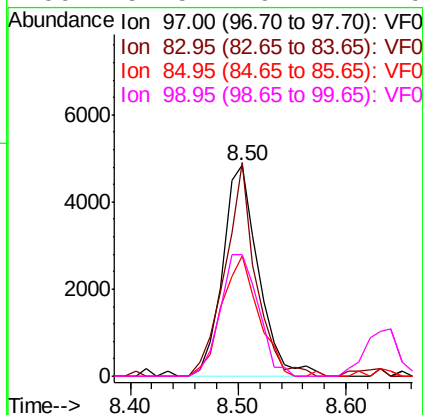
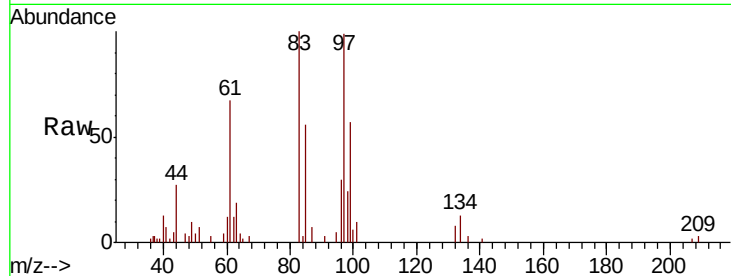
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	11115
Ion	Ratio	Lower	Upper
97	100		
83	101.2	72.8	109.2
85	56.8	45.8	68.6
99	57.5	49.4	74.0

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#56

Ethyl methacrylate

Concen: 4.898 ug/l

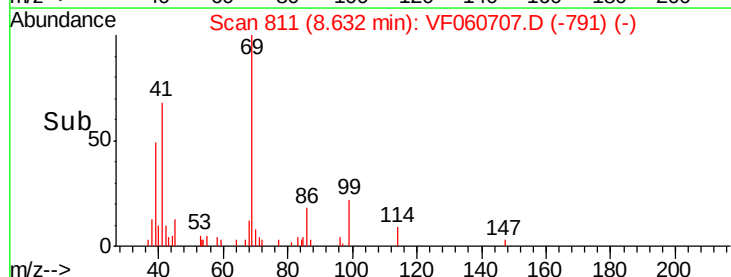
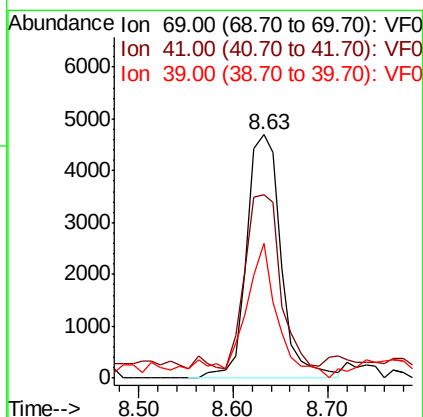
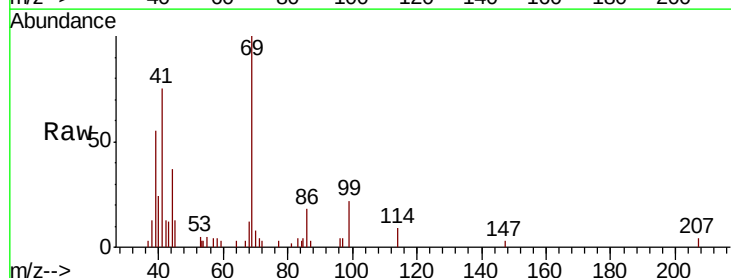
RT: 8.63 min Scan# 811

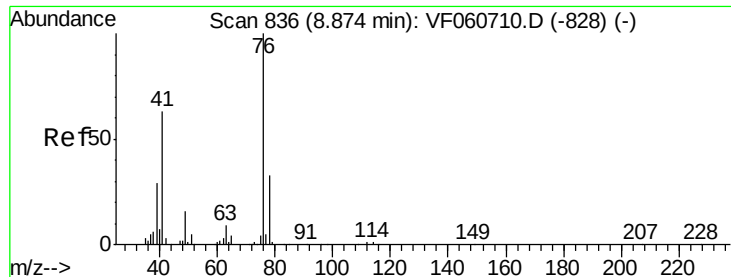
Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Tgt Ion:	69	Resp:	11887
Ion	Ratio	Lower	Upper
69	100		
41	75.3	59.0	88.6
39	55.2	34.0	51.0#





#57

1,3-Dichloropropane

Concen: 5.196 ug/l

RT: 8.87 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 19243

Ion Ratio Lower Upper

76 100

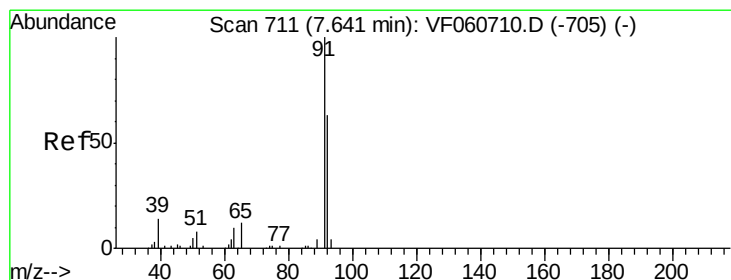
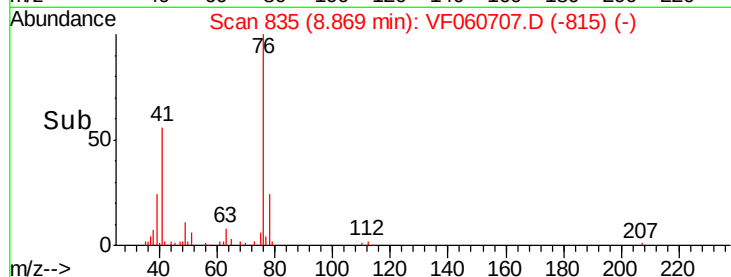
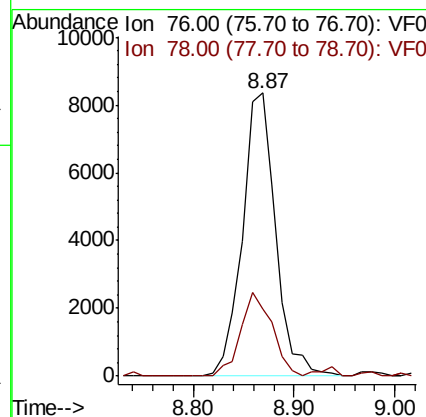
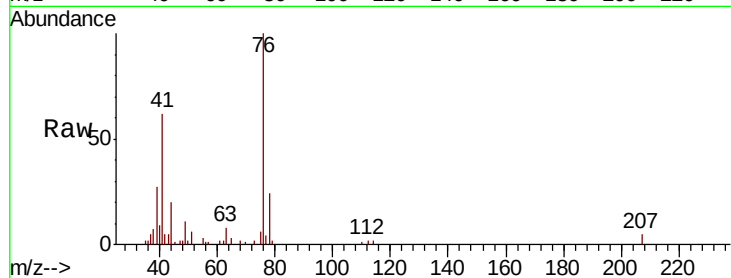
78 23.9 26.6 39.8#

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#58

2-Chloroethyl Vinyl ether

Concen: 26.438 ug/l

RT: 7.64 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060707.D

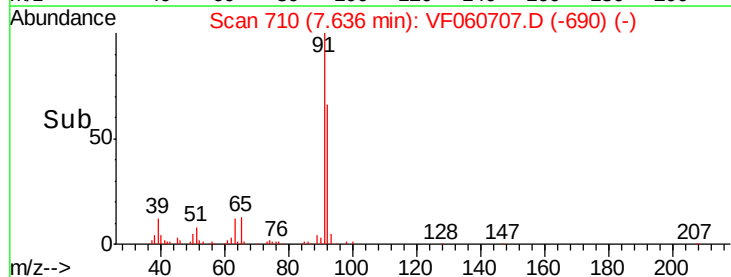
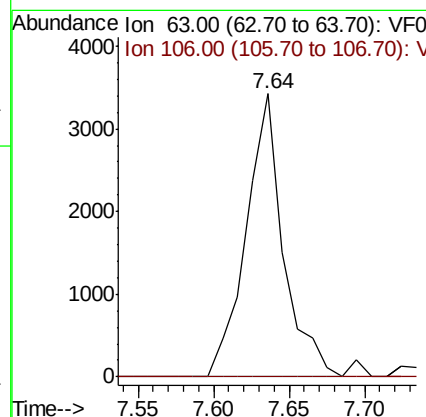
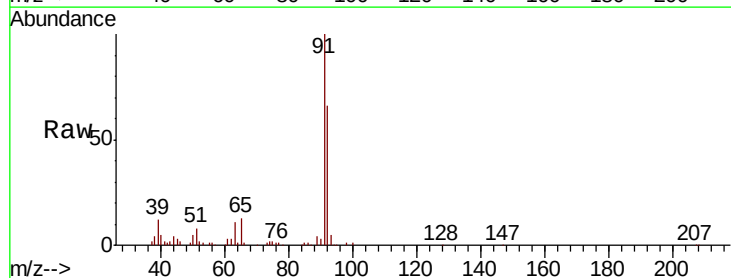
Acq: 13 Nov 2018 11:38

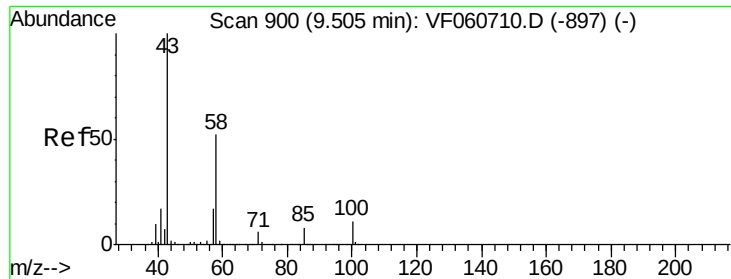
Tgt Ion: 63 Resp: 5861

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





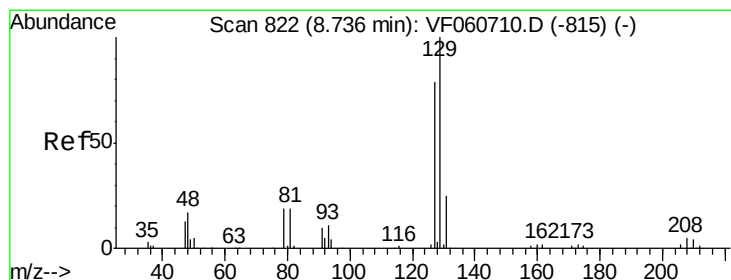
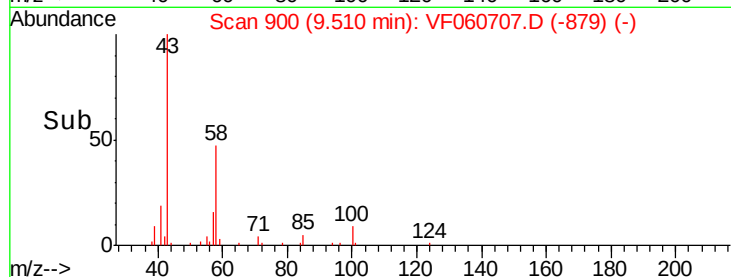
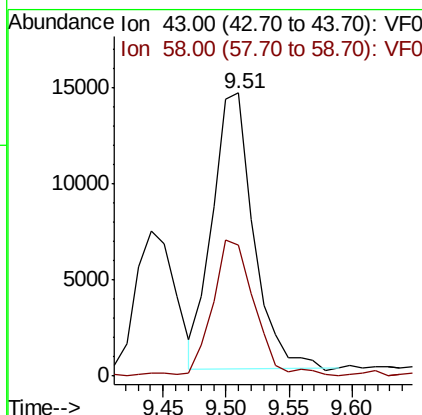
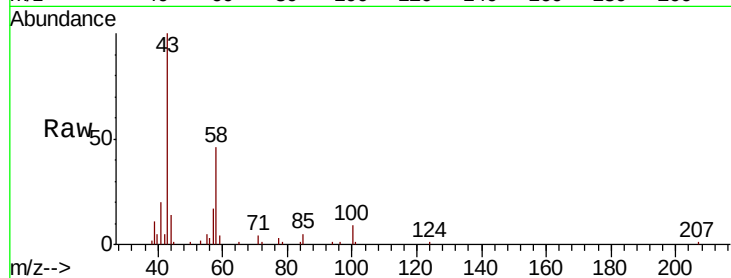
#59
2-Hexanone
Concen: 25.810 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.00 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 32375
Ion Ratio Lower Upper
43 100
58 46.2 24.9 74.7

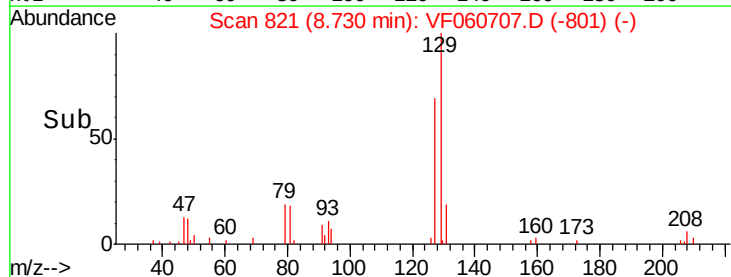
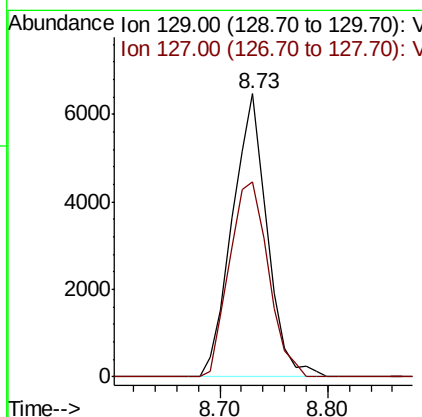
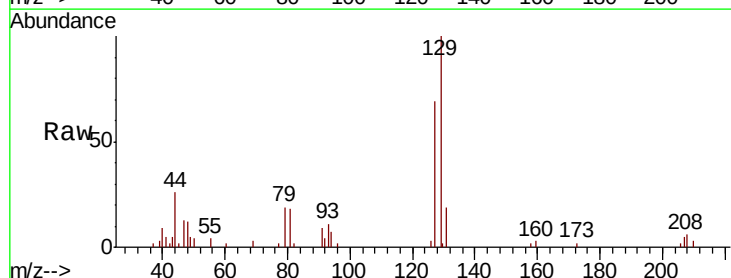
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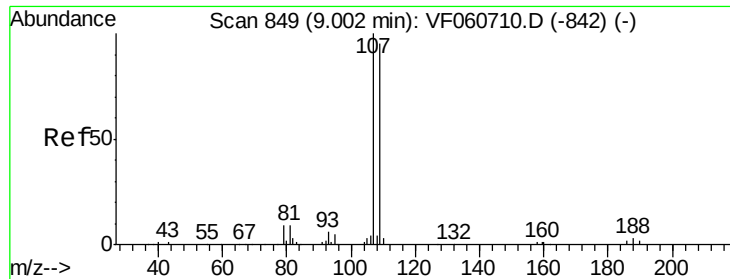
sam
11/14/2018 9:32:47 AM



#60
Dibromochloromethane
Concen: 4.755 ug/l
RT: 8.73 min Scan# 821
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Tgt Ion: 129 Resp: 14481
Ion Ratio Lower Upper
129 100
127 69.0 39.7 119.1





#61

1,2-Dibromoethane

Concen: 4.995 ug/l

RT: 9.00 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 11225

Ion Ratio Lower Upper

107 100

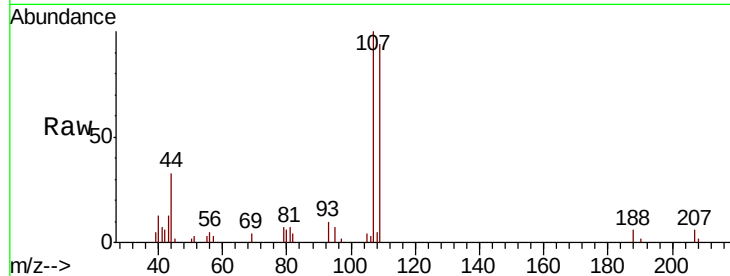
109 94.2 75.9 113.9

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.00

5000

4000

3000

2000

1000

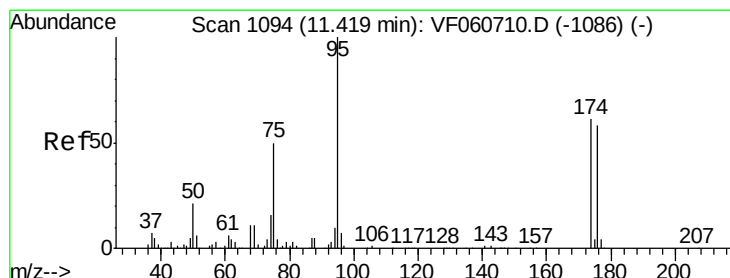
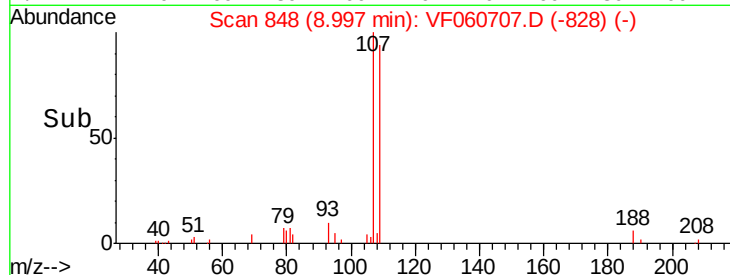
0

Time-->

8.90

9.00

9.10



#62

4-Bromofluorobenzene

Concen: 6.308 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

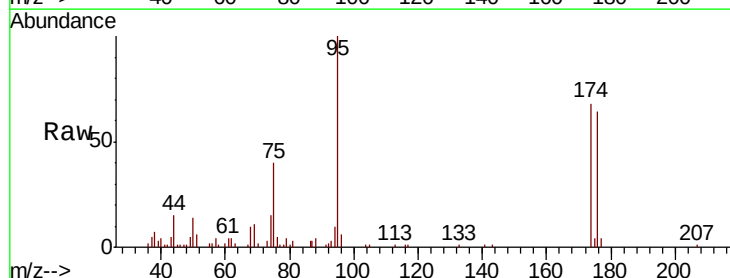
Tgt Ion: 95 Resp: 27653

Ion Ratio Lower Upper

95 100

174 68.2 0.0 121.6

176 64.4 0.0 115.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.42

20000

15000

10000

5000

0

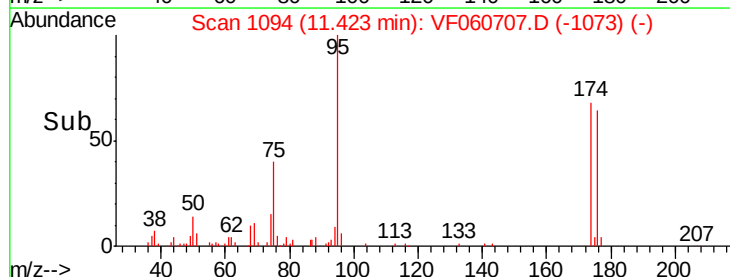
Time-->

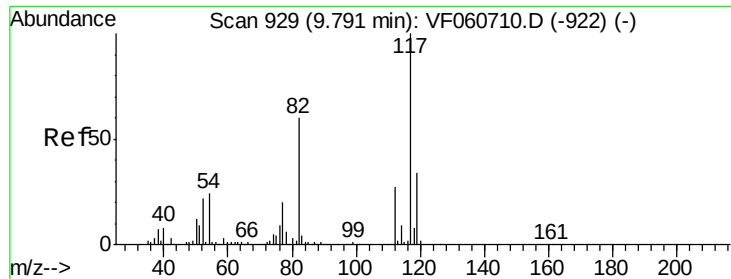
11.35

11.40

11.45

11.50





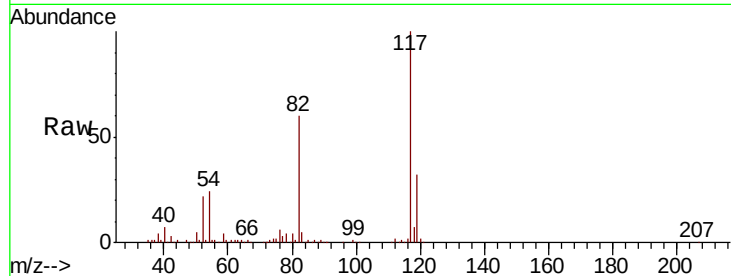
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	396016		
82	60.0	47.9	71.9	
119	32.2	26.8	40.2	

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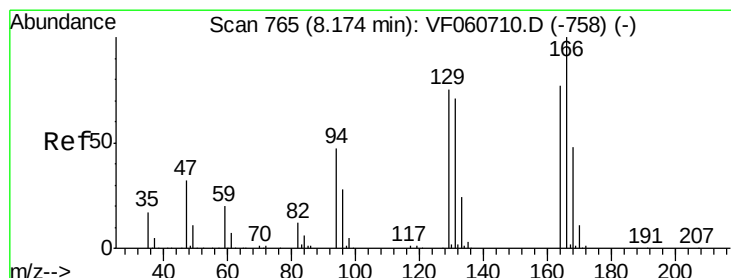
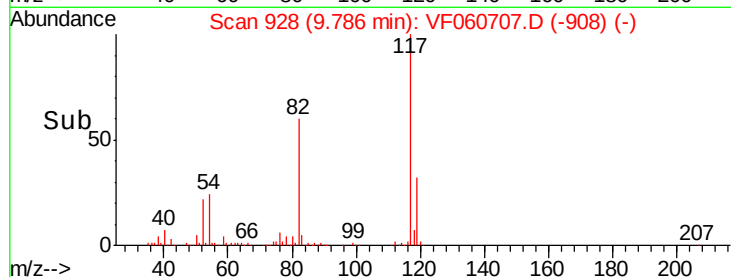
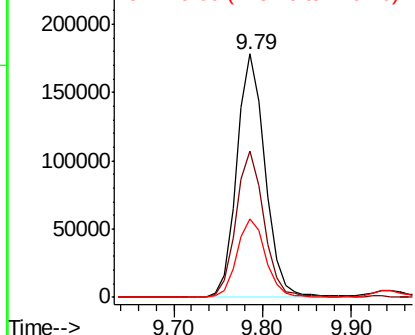


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 5.246 ug/l
RT: 8.16 min Scan# 763
Delta R.T. -0.02 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	16451		
166	119.6	103.5	155.3	
129	88.6	77.4	116.2	
131	95.0	73.5	110.3	

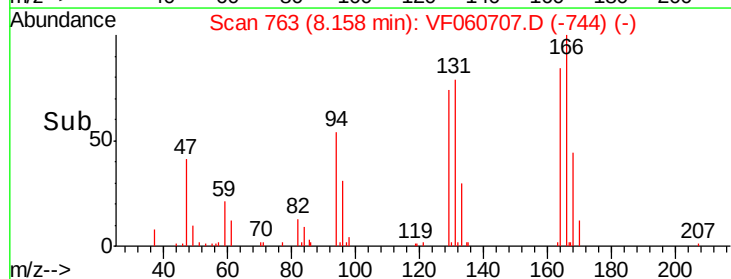
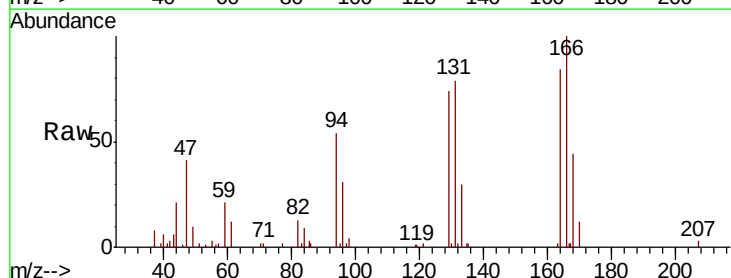
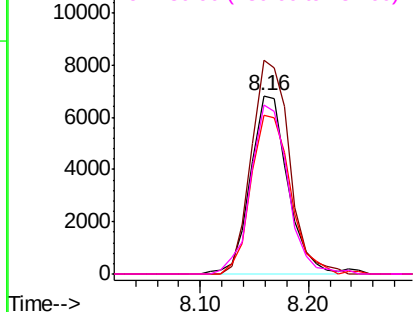
Abundance

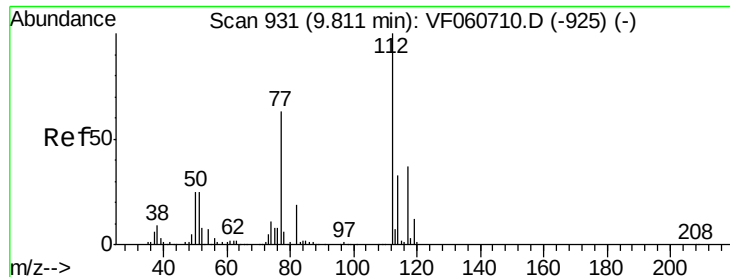
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 5.072 ug/l

RT: 9.81 min Scan# 930

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 40533

Ion Ratio Lower Upper

112 100

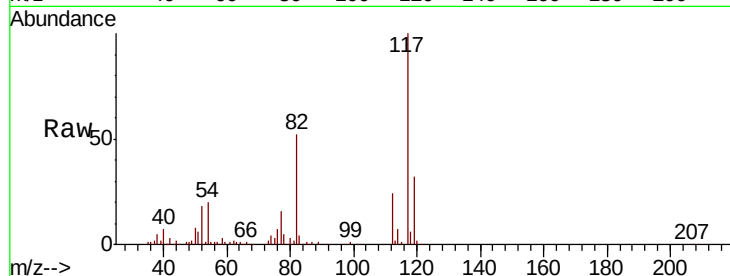
114 29.0 26.1 39.1

Manual Integrations

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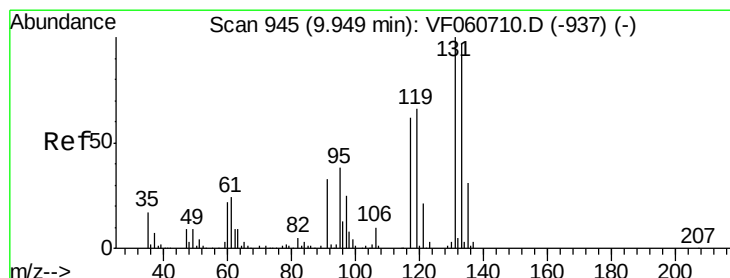
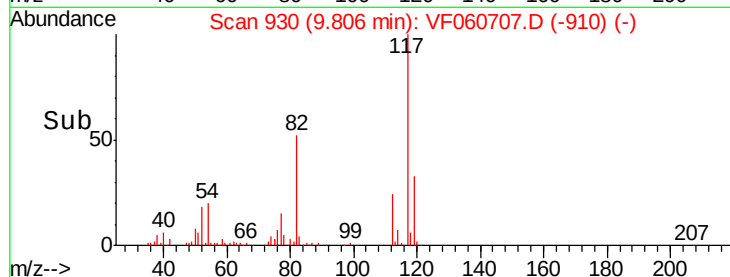
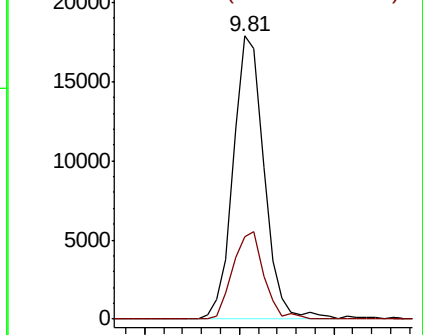
sam

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.857 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.02 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

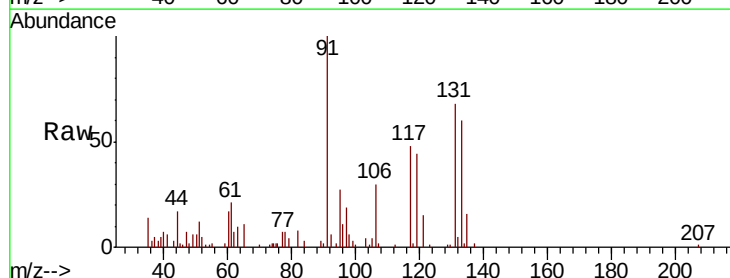
Tgt Ion:131 Resp: 16928

Ion Ratio Lower Upper

131 100

133 88.3 48.3 144.8

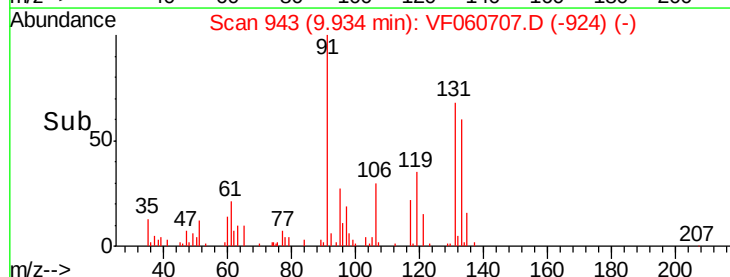
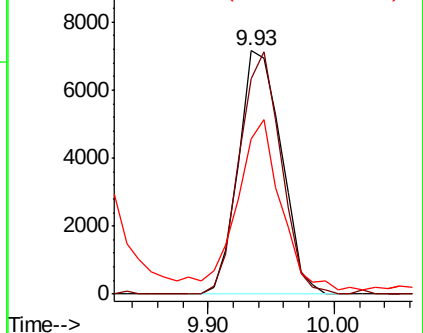
119 64.0 33.2 99.6

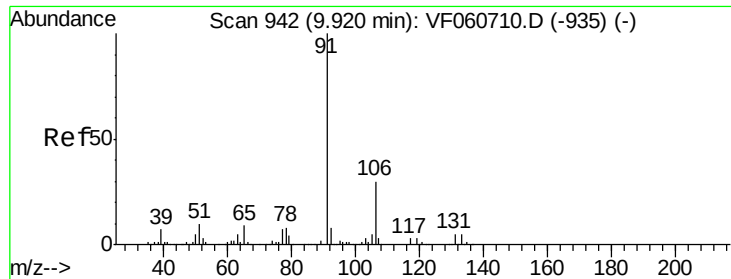


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 5.282 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 79561

Ion Ratio Lower Upper

91 100

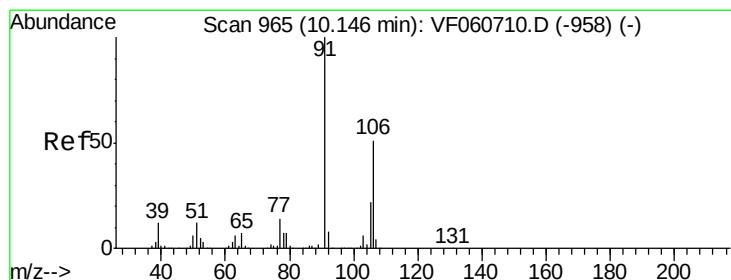
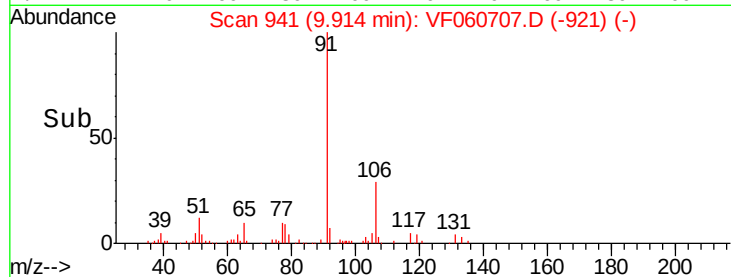
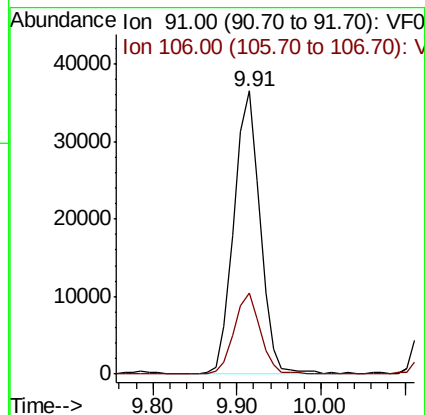
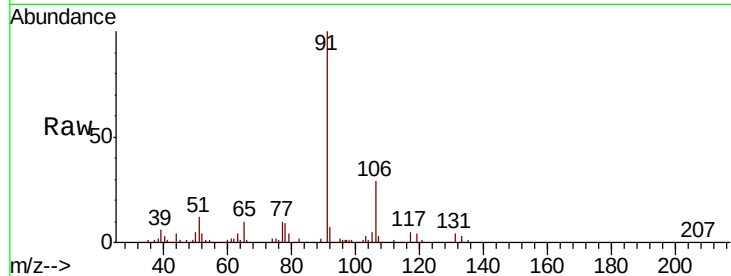
106 28.5 23.9 35.9

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#68

m/p-Xylenes

Concen: 10.530 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060707.D

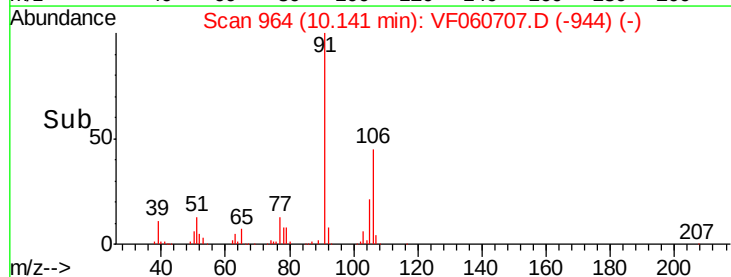
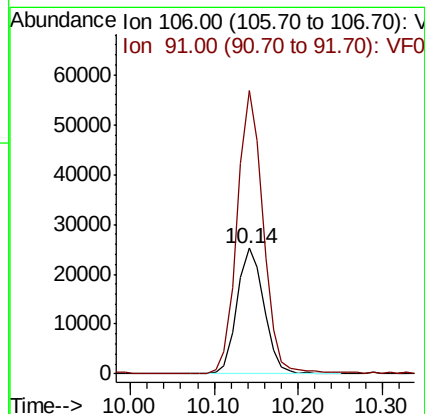
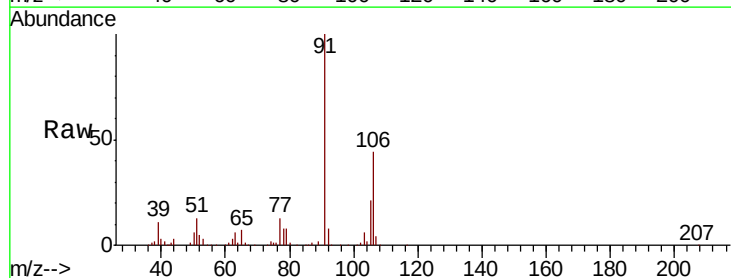
Acq: 13 Nov 2018 11:38

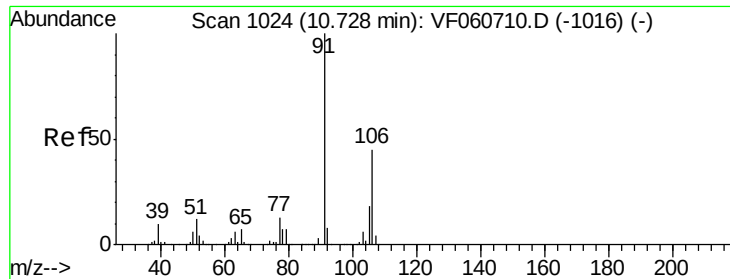
Tgt Ion: 106 Resp: 56682

Ion Ratio Lower Upper

106 100

91 225.7 158.2 237.2





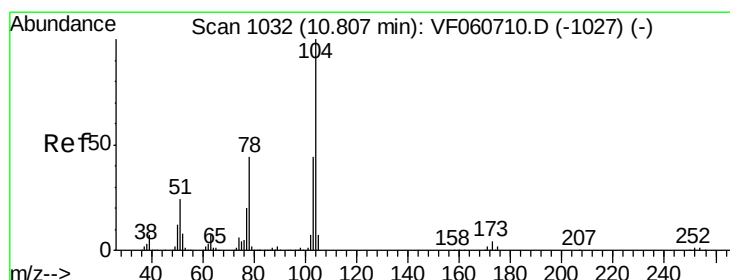
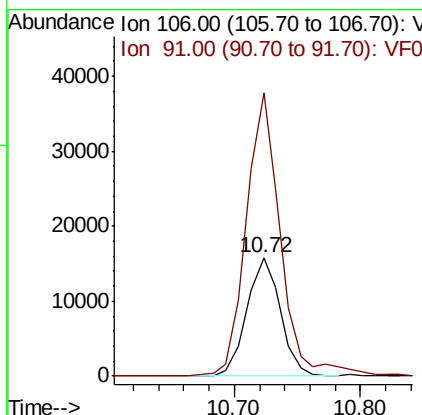
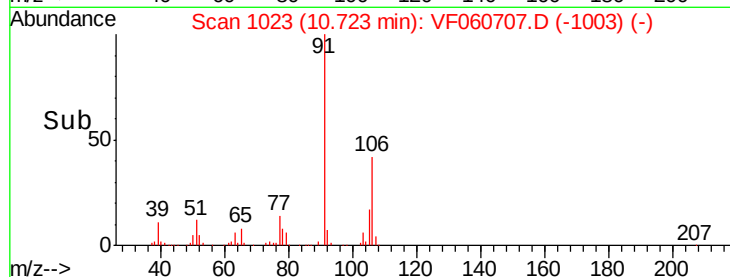
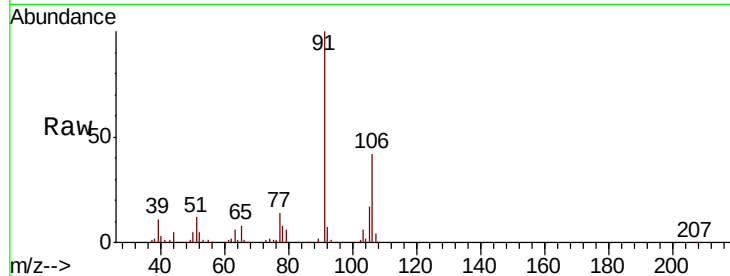
#69
o-Xylene
Concen: 4.856 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 29389
Ion Ratio Lower Upper
106 100
91 239.4 110.3 330.9

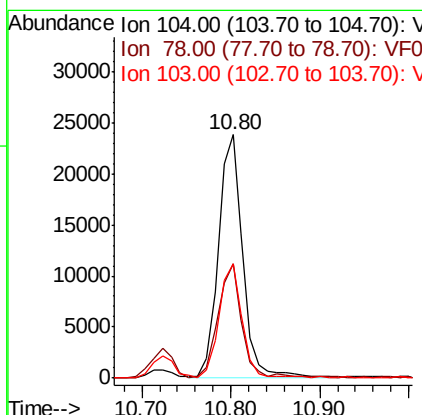
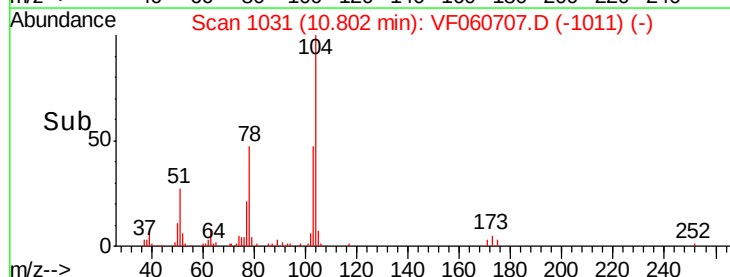
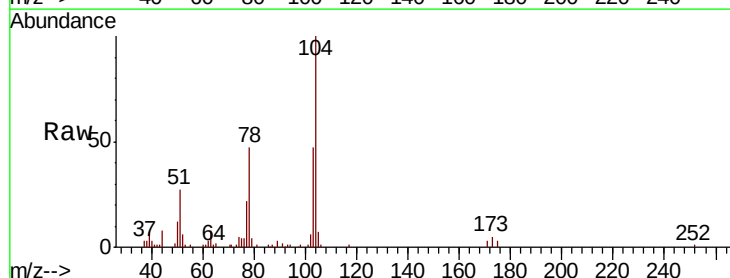
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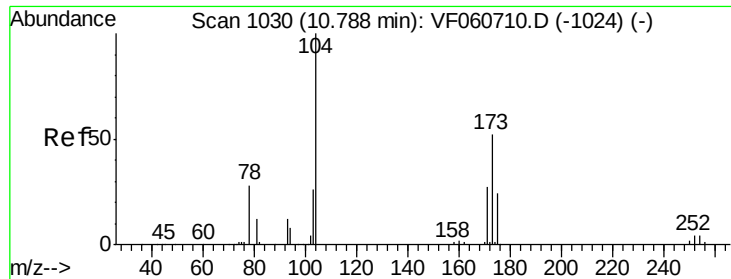
sam
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#70
Styrene
Concen: 5.532 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Tgt Ion:104 Resp: 45435
Ion Ratio Lower Upper
104 100
78 46.9 35.4 53.2
103 46.8 35.8 53.6





#71

Bromoform

Concen: 5.037 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 7895

Ion Ratio Lower Upper

173 100

175 51.0 23.4 70.0

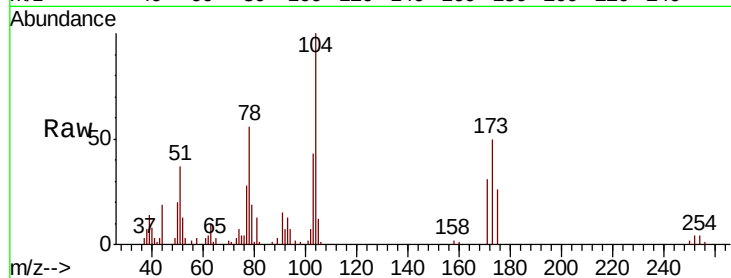
254 8.3 5.8 8.8

Manual Integrations

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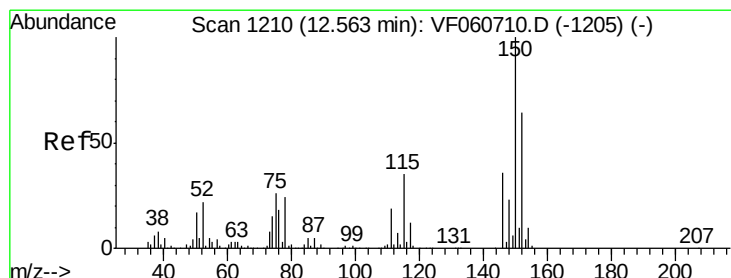
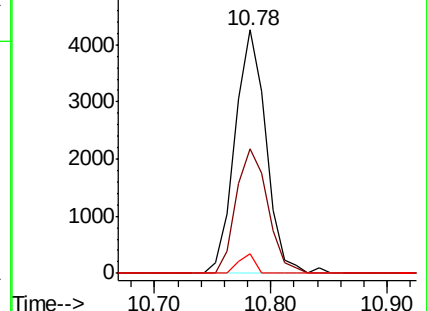
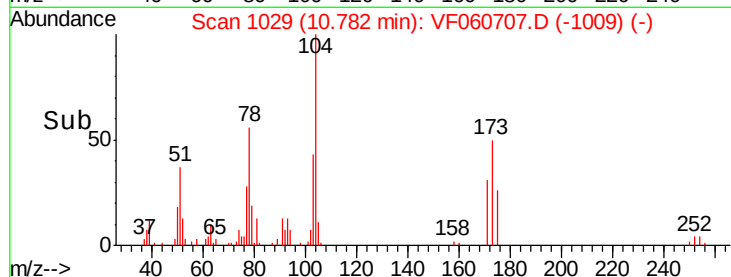
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

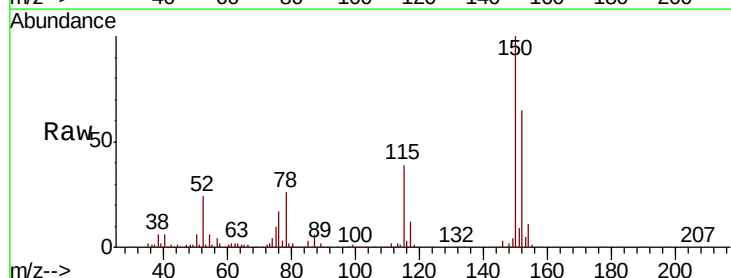
Tgt Ion:152 Resp: 224794

Ion Ratio Lower Upper

152 100

115 60.4 27.9 83.7

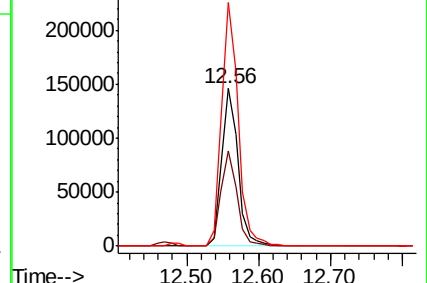
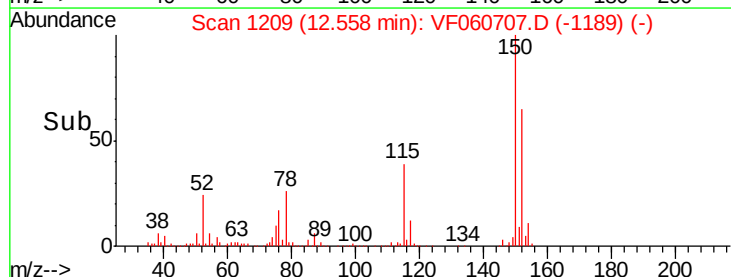
150 154.4 0.0 316.4

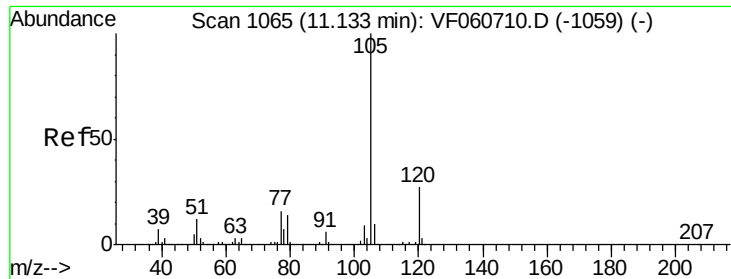


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





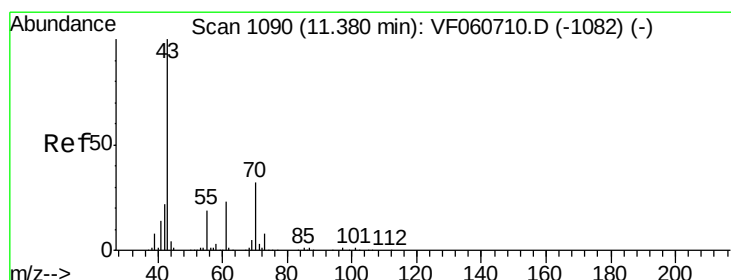
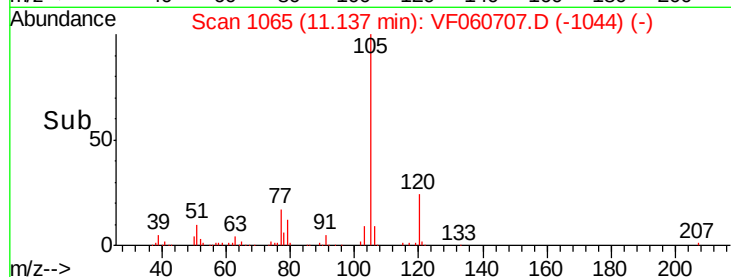
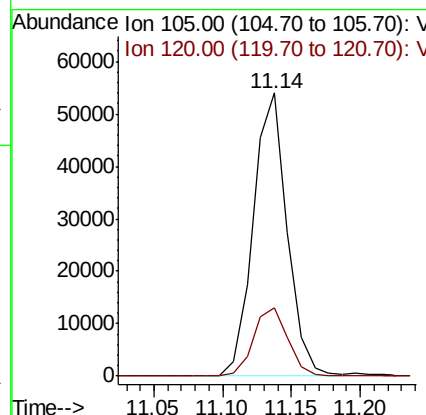
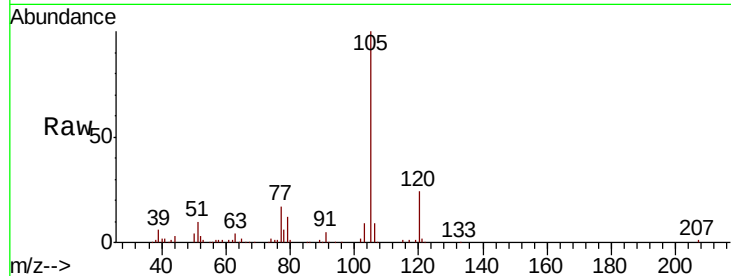
#73
Isopropylbenzene
Concen: 5.125 ug/l
RT: 11.14 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.0	13.4	40.1

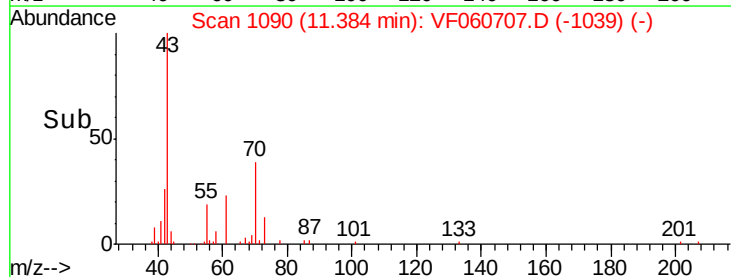
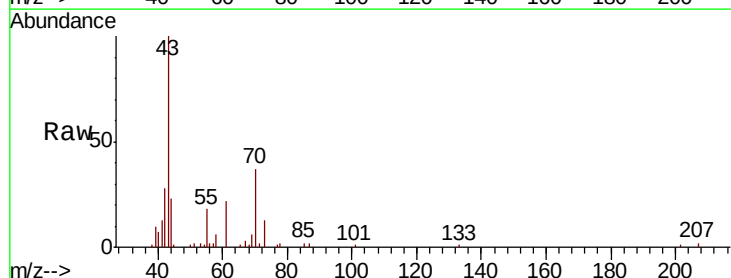
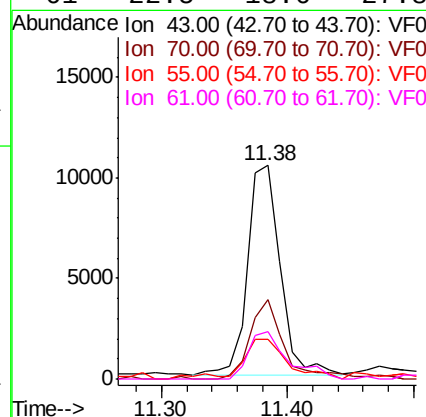
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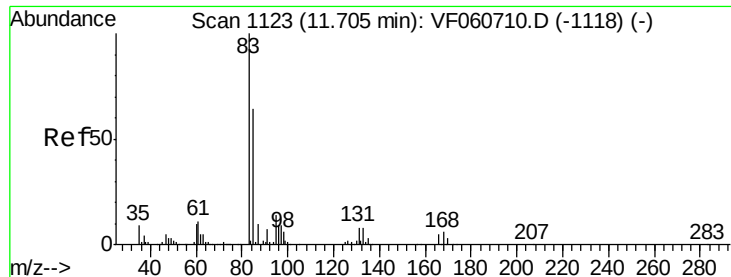
sam
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#74
N-ethyl acetate
Concen: 4.558 ug/l
RT: 11.38 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.4	25.5	38.3
55	18.4	14.9	22.3
61	22.5	18.6	27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 5.022 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

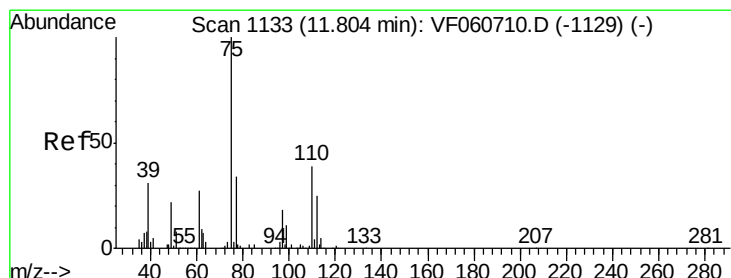
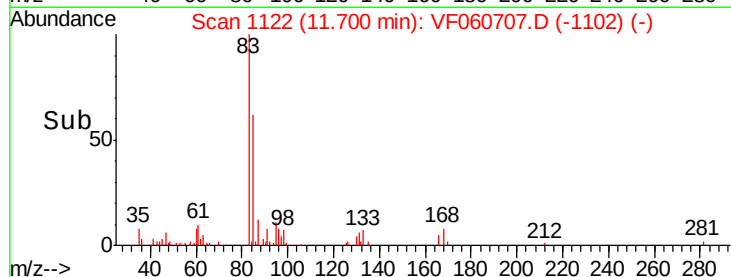
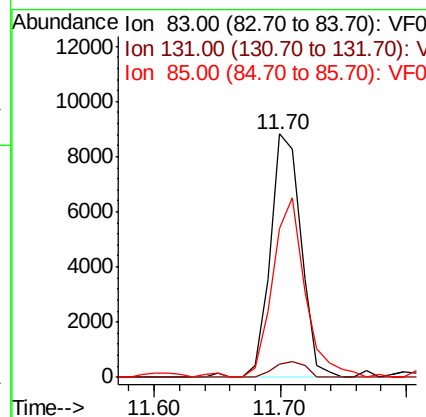
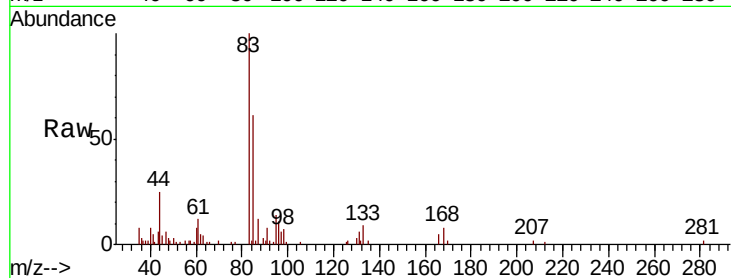
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	15024
Ion Ratio	Lower	Upper	
83	100		
131	5.6	4.2	12.4
85	61.3	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.799 ug/l

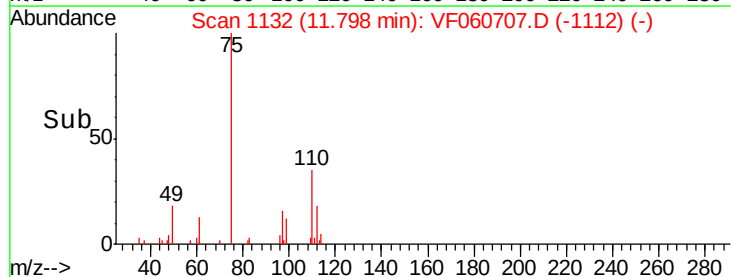
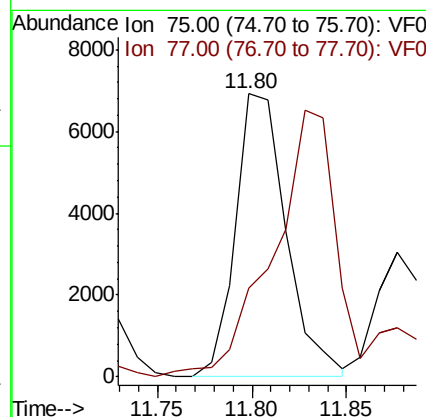
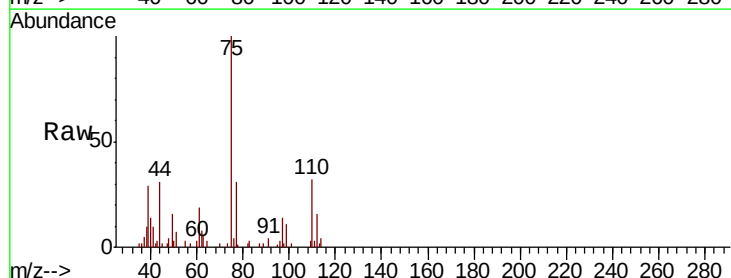
RT: 11.80 min Scan# 1132

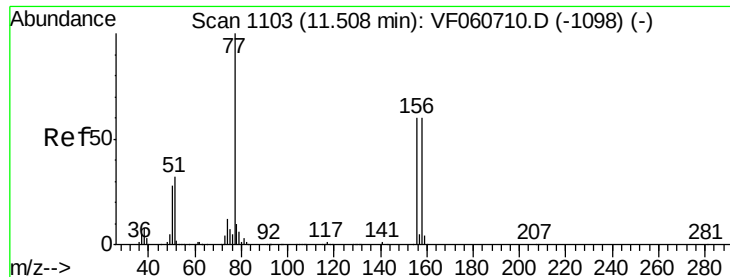
Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Tgt Ion:	75	Resp:	12885
Ion Ratio	Lower	Upper	
75	100		
77	31.4	17.0	51.0





#77

Bromobenzene

Concen: 4.937 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 18593

Ion Ratio Lower Upper

156 100

77 195.5 83.0 248.9

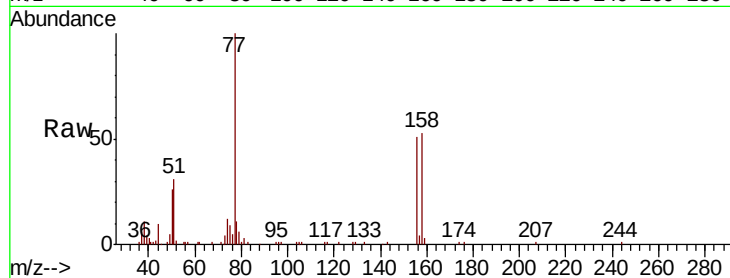
158 103.0 49.6 149.0

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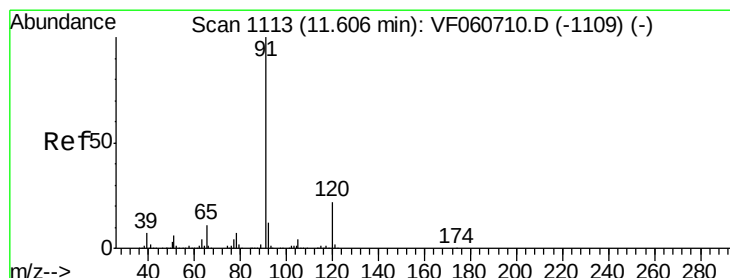
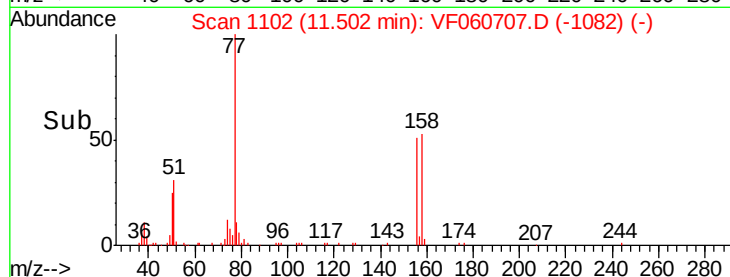
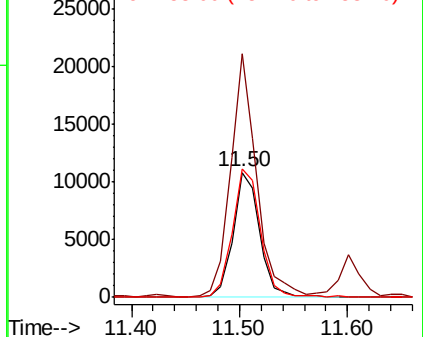
11/14/2018 9:32:47 AM



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: 5.578 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF060707.D

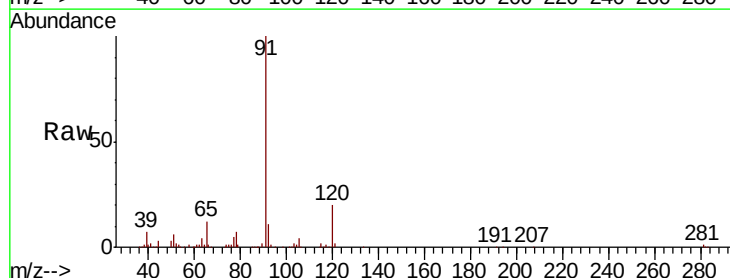
Acq: 13 Nov 2018 11:38

Tgt Ion: 91 Resp: 117722

Ion Ratio Lower Upper

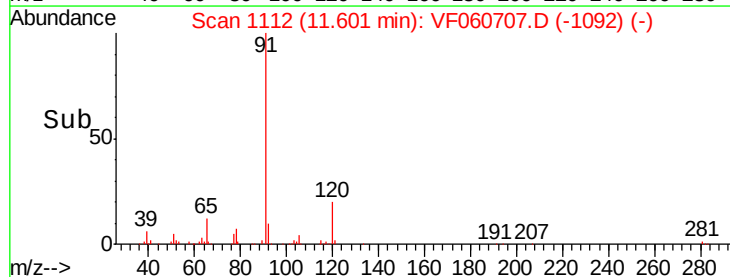
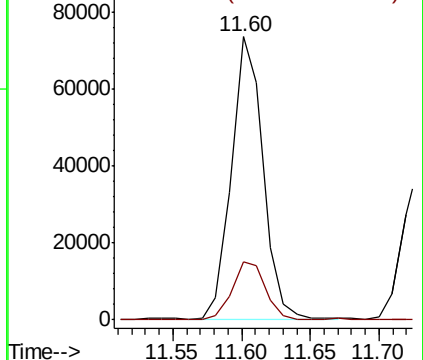
91 100

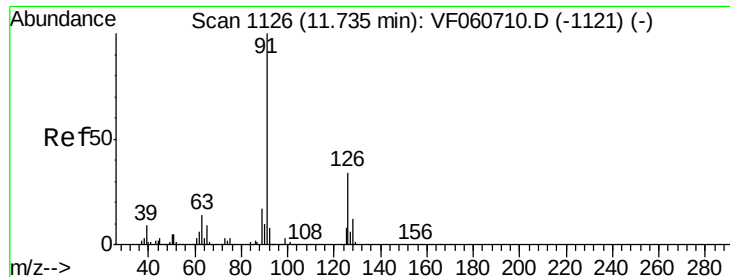
120 20.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.316 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 65203

Ion Ratio Lower Upper

91 100

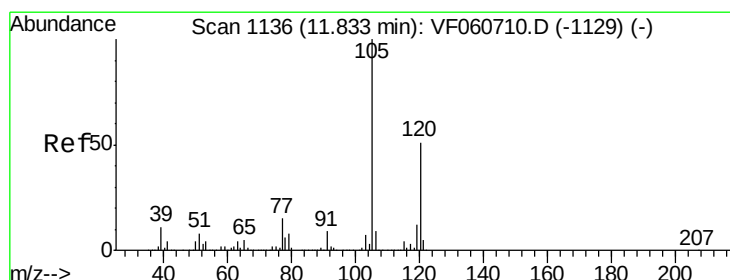
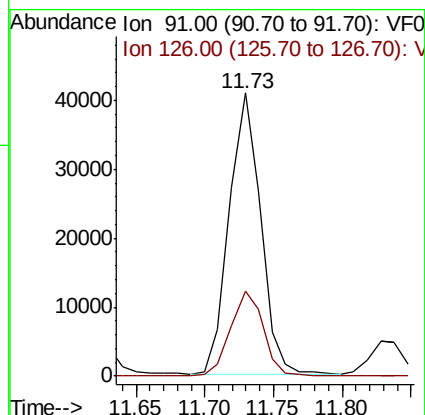
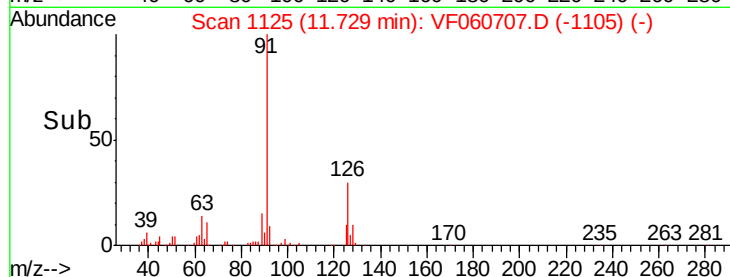
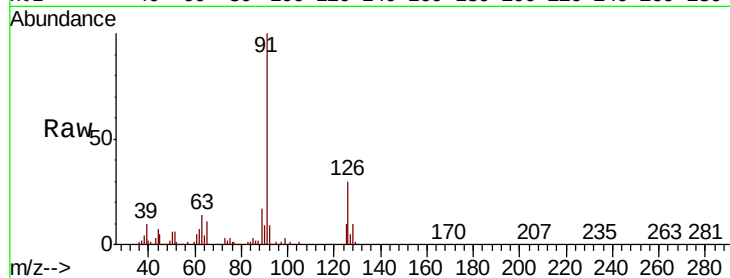
126 30.0 16.8 50.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.474 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF060707.D

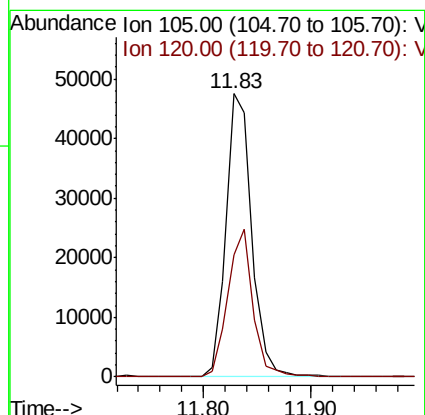
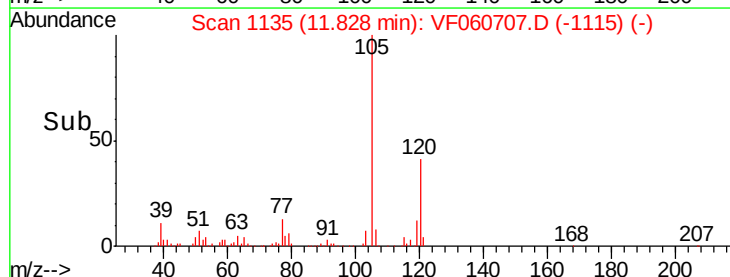
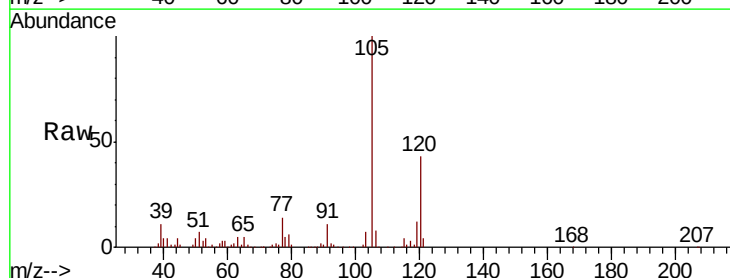
Acq: 13 Nov 2018 11:38

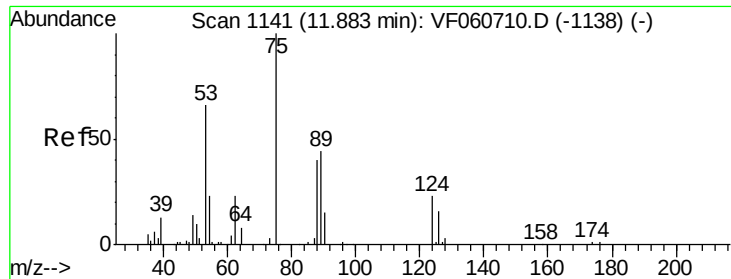
Tgt Ion: 105 Resp: 78629

Ion Ratio Lower Upper

105 100

120 43.2 25.6 76.8





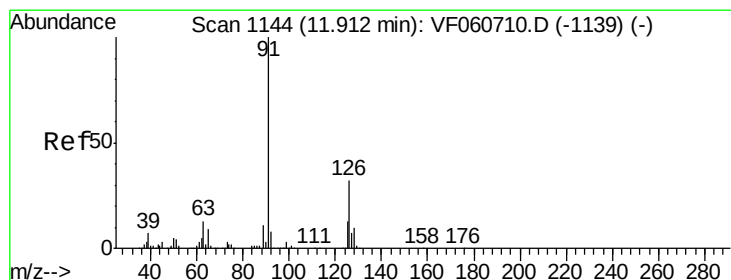
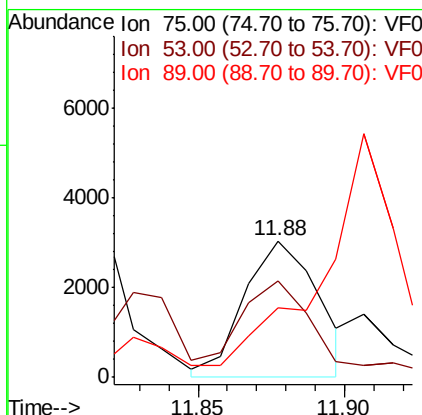
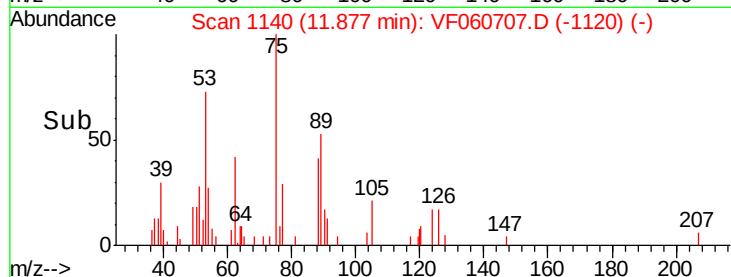
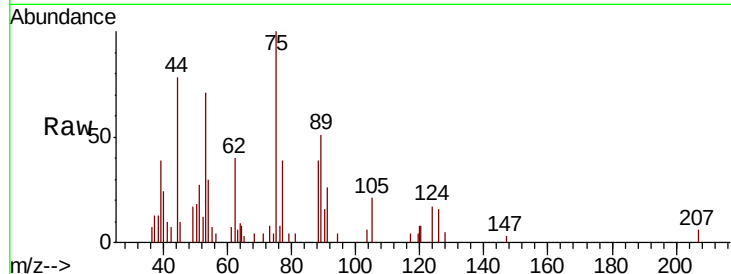
#81
trans-1,4-Dichloro-2-butene
Concen: 5.051 ug/l m
RT: 11.88 min Scan# 1140
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	70.5	57.0	85.4
89	51.3	37.8	56.8

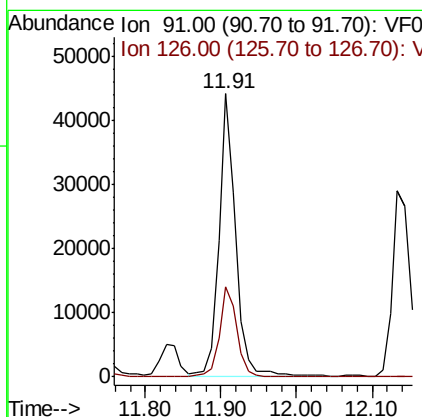
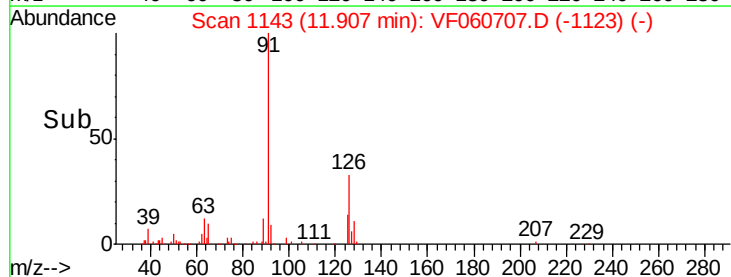
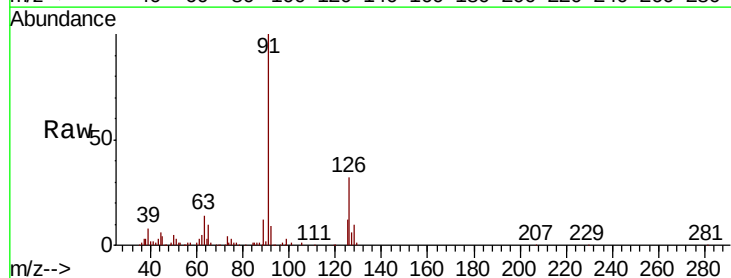
Manual Integrations
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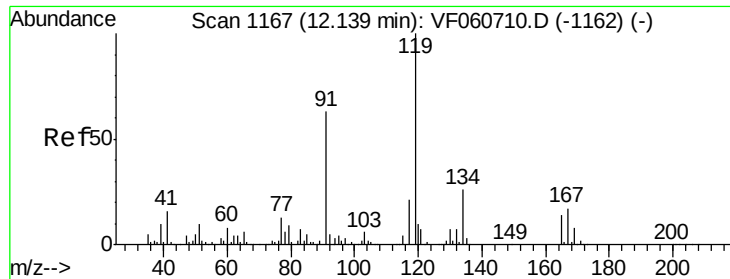
sam
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#82
4-Chlorotoluene
Concen: 5.382 ug/l
RT: 11.91 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.0	47.9





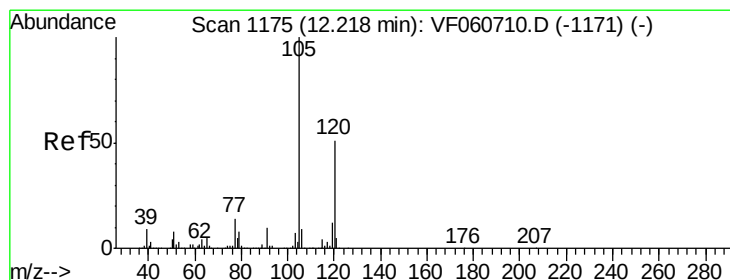
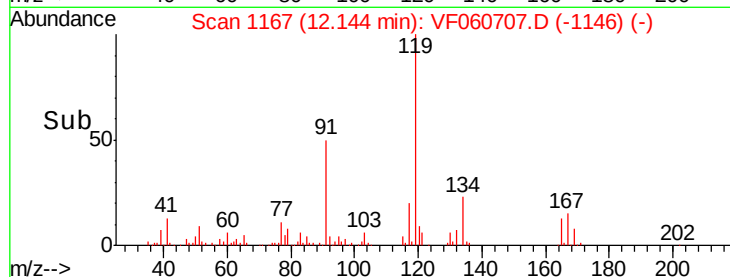
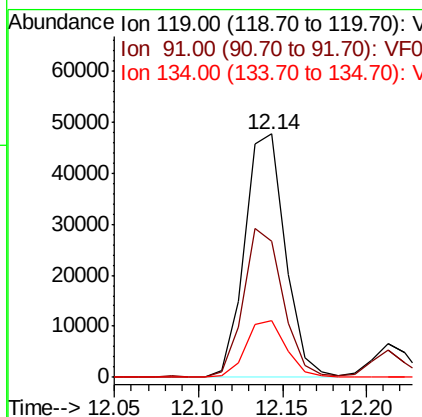
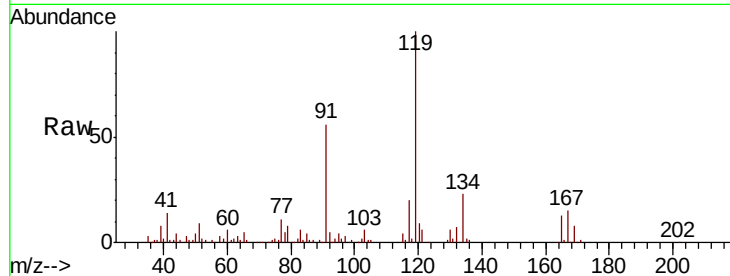
#83
 tert-Butylbenzene
 Concen: 5.236 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: VF060707.D
 Acq: 13 Nov 2018 11:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.8	31.4	94.3
134	23.5	12.8	38.4

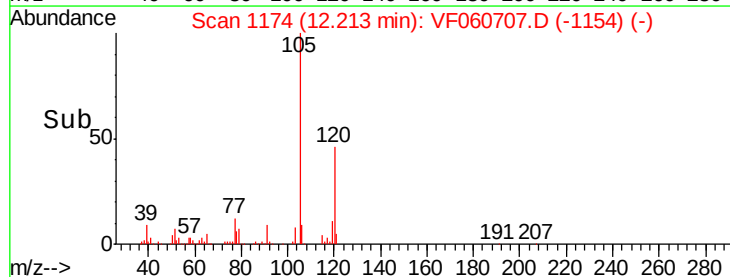
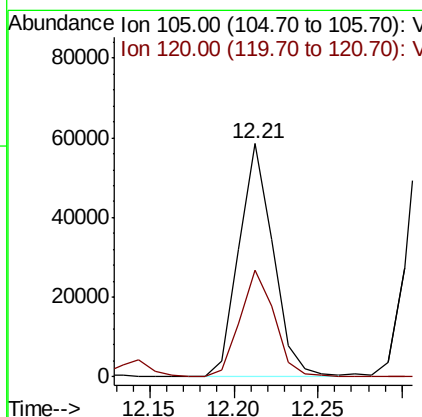
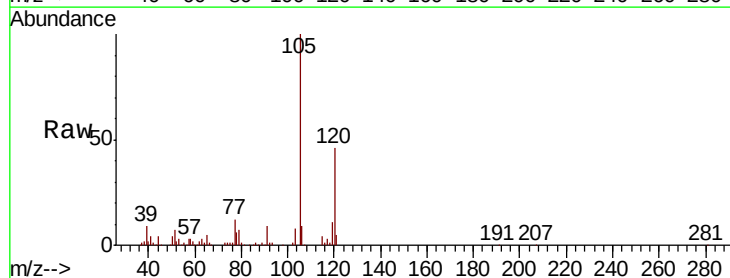
Manual Integrations
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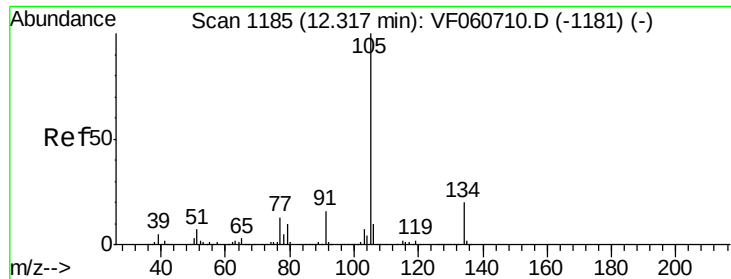
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.587 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060707.D
 Acq: 13 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	25.5	76.5





#85

sec-Butylbenzene

Concen: 5.346 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 110620

Ion Ratio Lower Upper

105 100

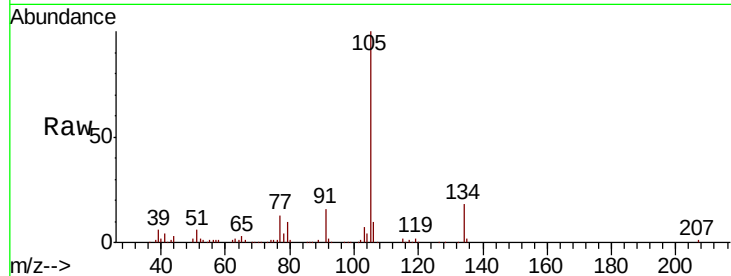
134 18.1 10.1 30.3

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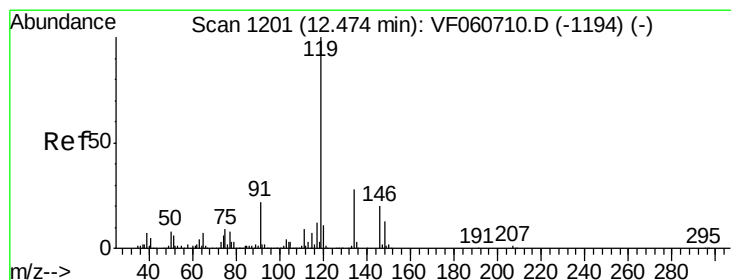
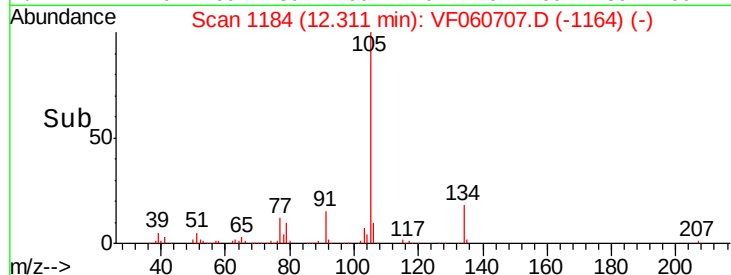
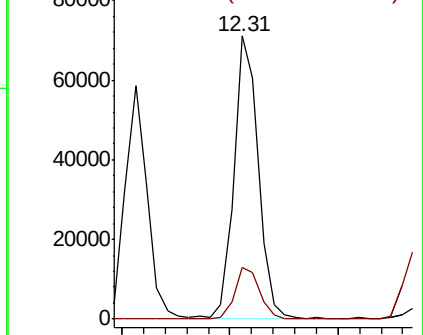
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.239 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

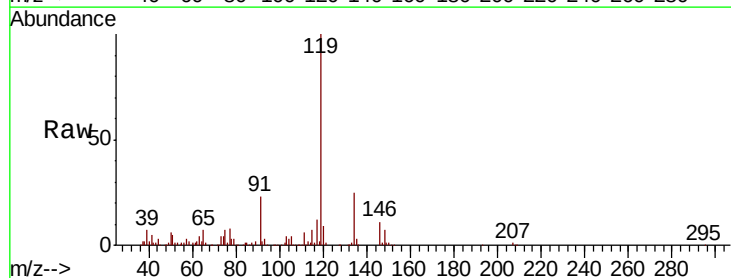
Tgt Ion:119 Resp: 90526

Ion Ratio Lower Upper

119 100

134 25.3 13.9 41.7

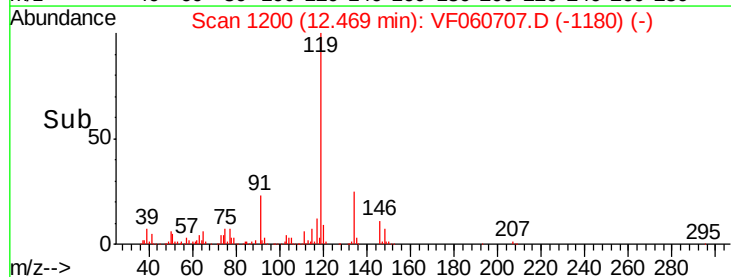
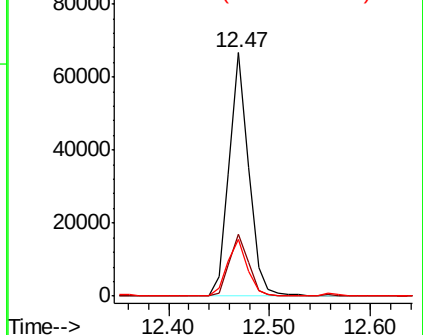
91 23.3 11.3 33.9

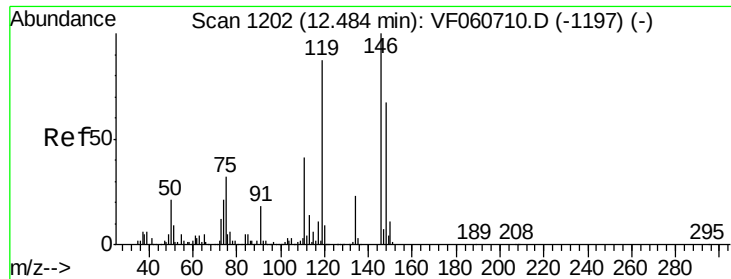


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





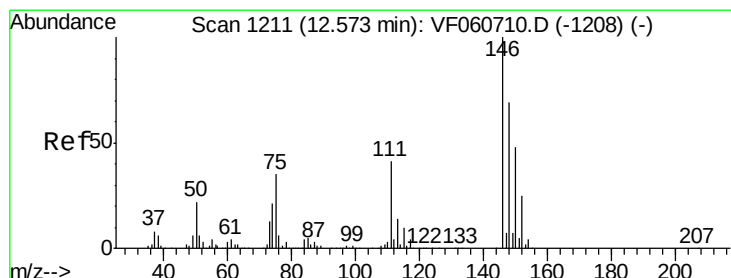
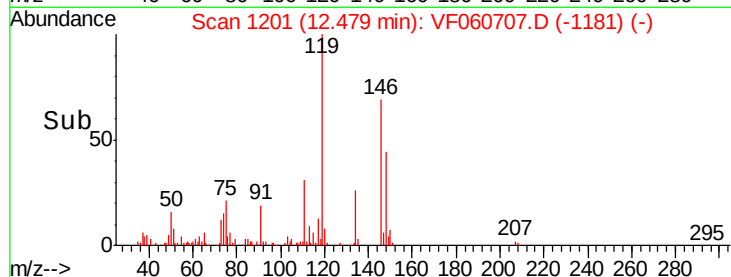
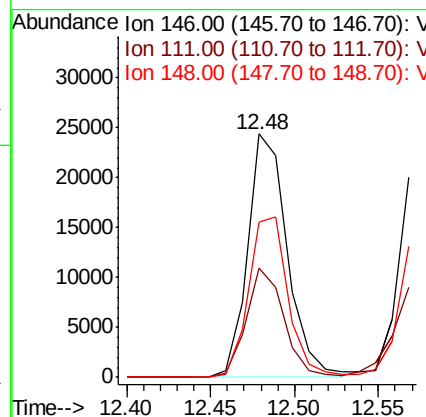
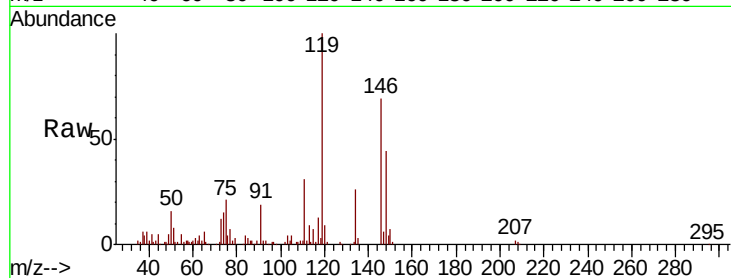
#87
 1,3-Dichlorobenzene
 Concen: 5.307 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF060707.D
 Acq: 13 Nov 2018 11:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	20.3	60.8
148	63.9	33.3	99.9

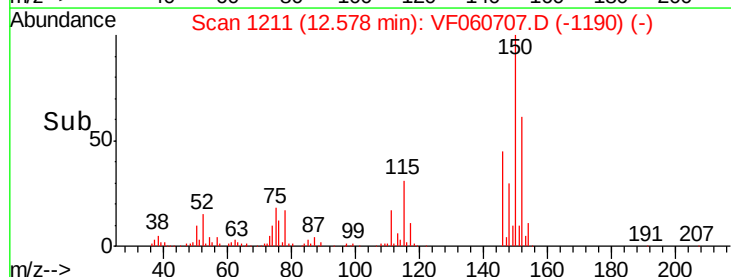
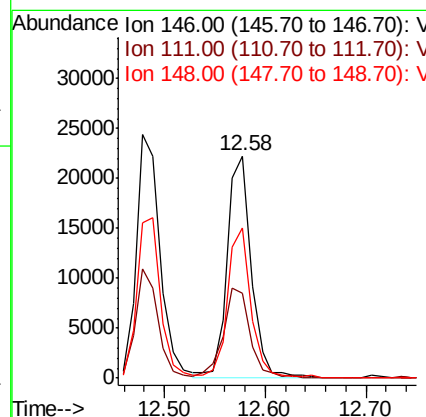
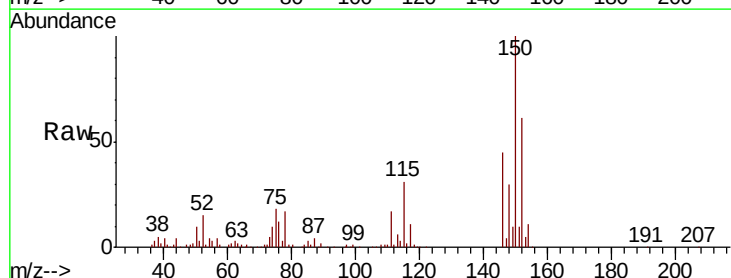
Manual Integrations
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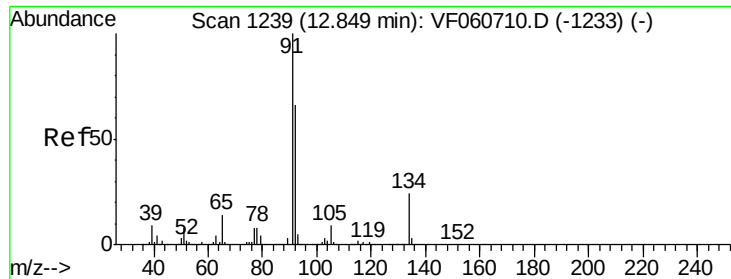
sam
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#88
 1,4-Dichlorobenzene
 Concen: 5.181 ug/l
 RT: 12.58 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF060707.D
 Acq: 13 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	20.6	61.9
148	67.5	34.7	104.1





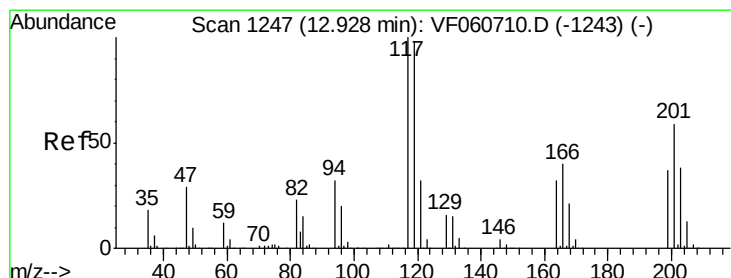
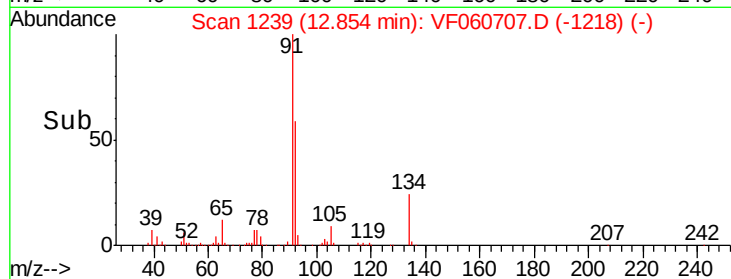
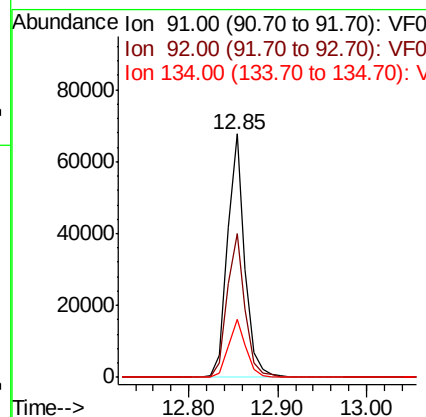
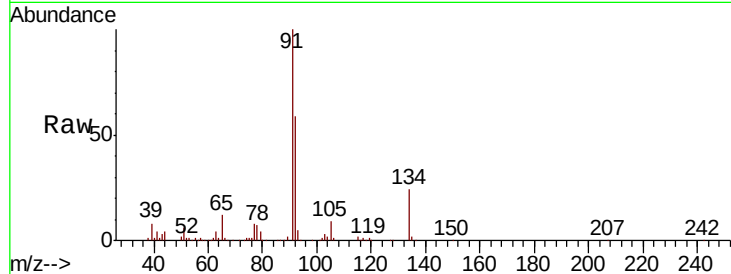
#89
n-Butylbenzene
Concen: 5.294 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.3	33.1	99.2
134	23.6	11.9	35.9

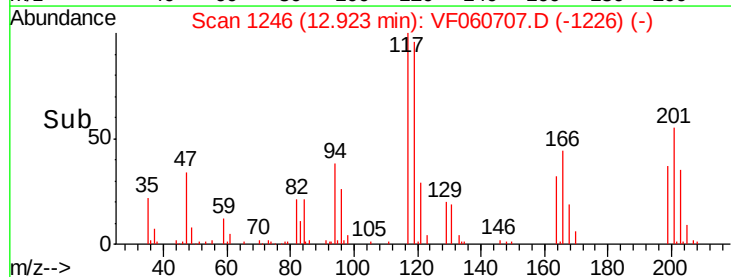
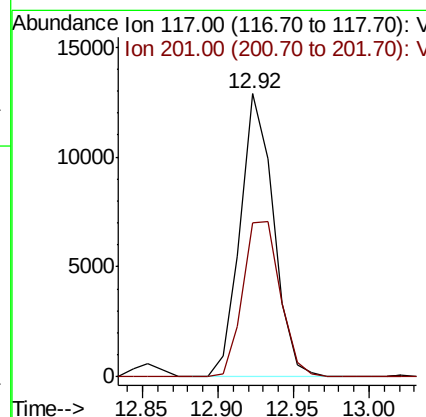
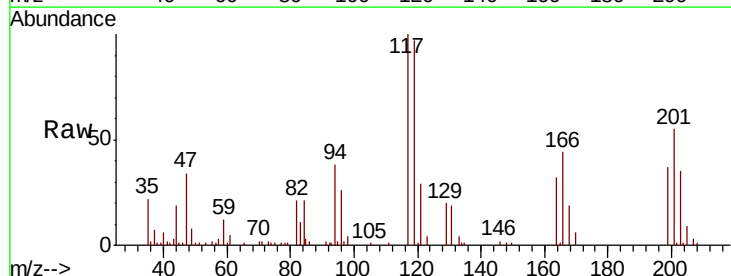
Manual Integrations
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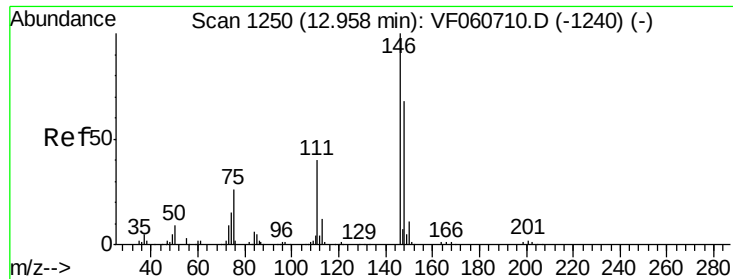
sam
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#90
Hexachloroethane
Concen: 4.674 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF060707.D
Acq: 13 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	54.6	29.4	88.3





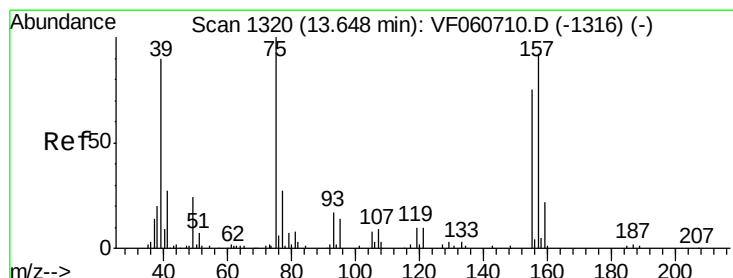
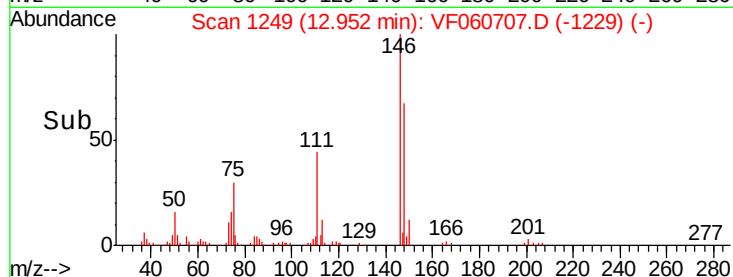
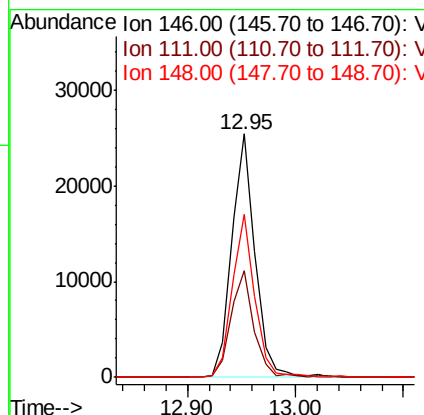
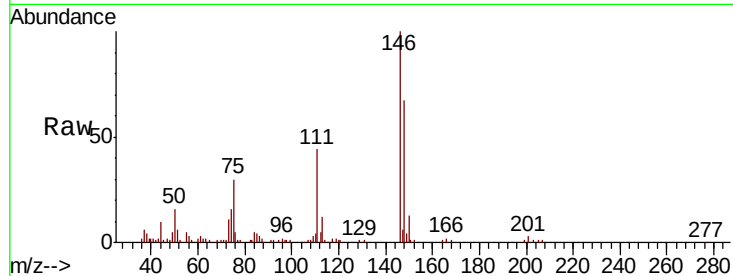
#91
 1,2-Dichlorobenzene
 Concen: 5.389 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VF060707.D
 Acq: 13 Nov 2018 11:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.3	60.8
148	66.8	34.1	102.3

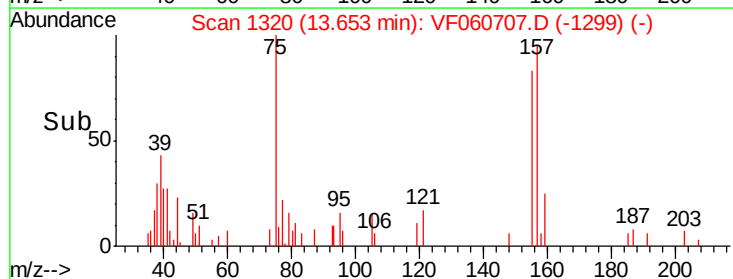
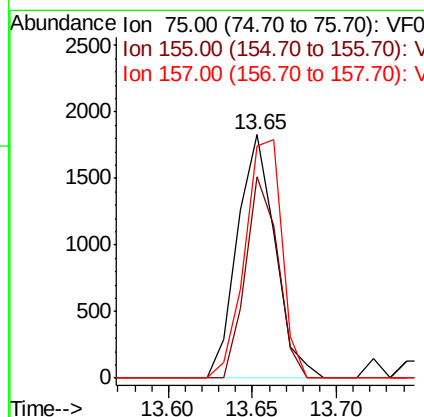
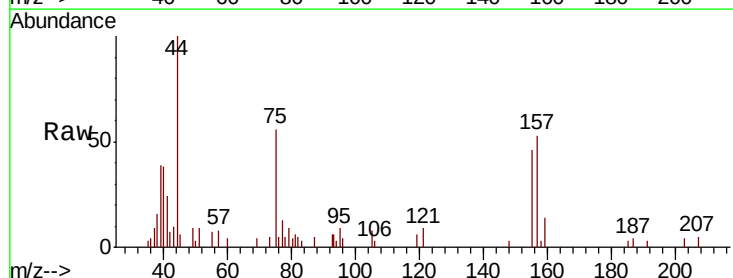
Manual Integrations
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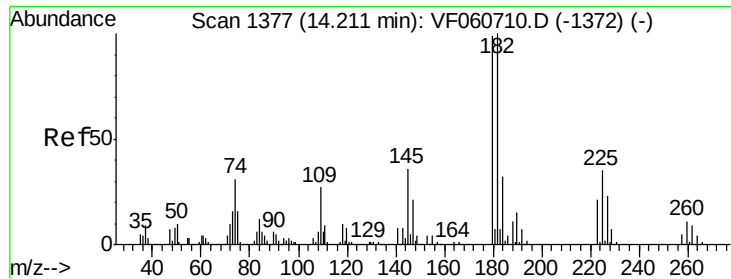
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.083 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VF060707.D
 Acq: 13 Nov 2018 11:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.0	37.4	112.2
157	95.5	46.0	138.0





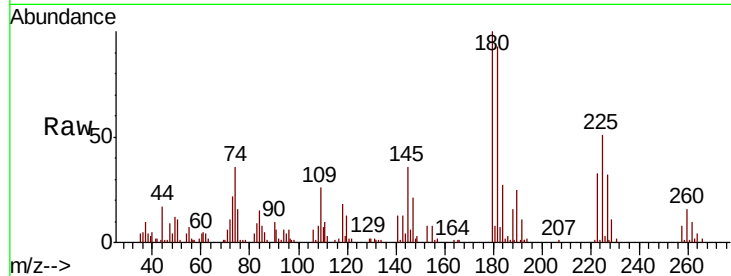
#93
 1,2,4-Trichlorobenzene
 Concen: 5.079 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060707.D
 Acq: 13 Nov 2018 11:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.2	50.3	151.0	
145	36.4	18.3	54.9	

Manual Integrations
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sam
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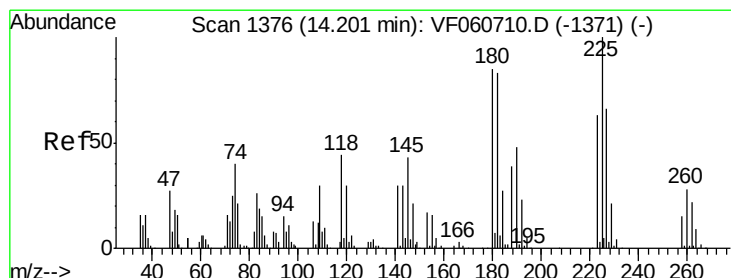
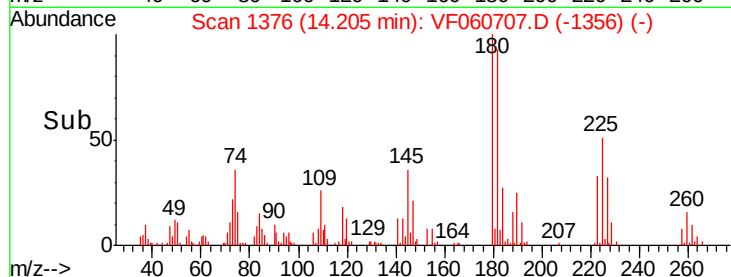
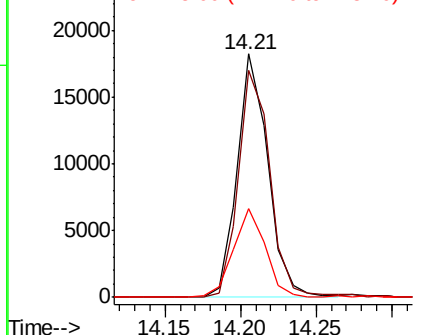


Abundance

Ion 180.00 (179.70 to 180.70): V

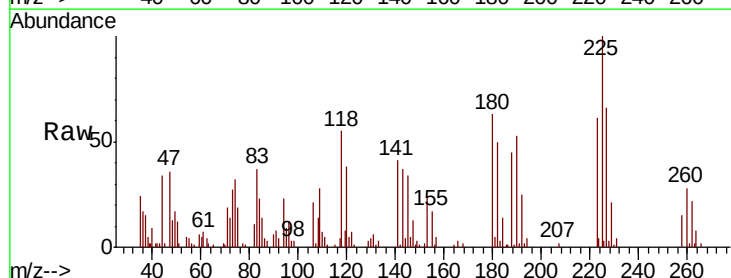
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 4.713 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF060707.D
 Acq: 13 Nov 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.3	31.5	94.5	
227	68.7	33.0	99.0	

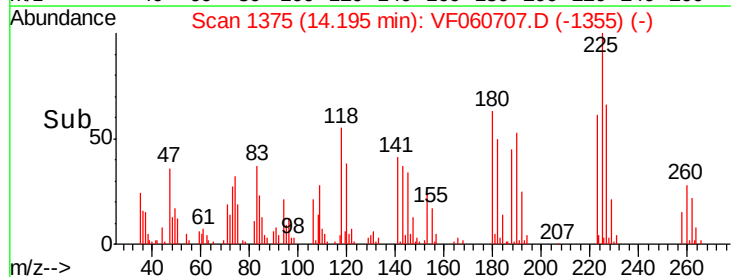
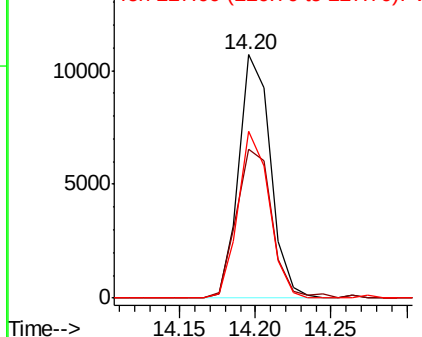


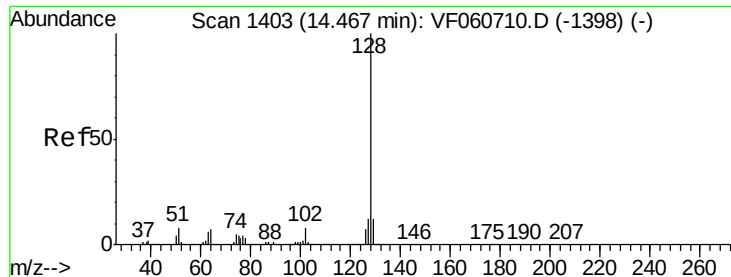
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 4.329 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Instrument :

MSVOA_F

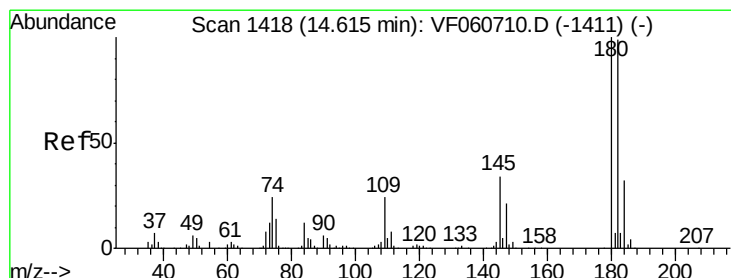
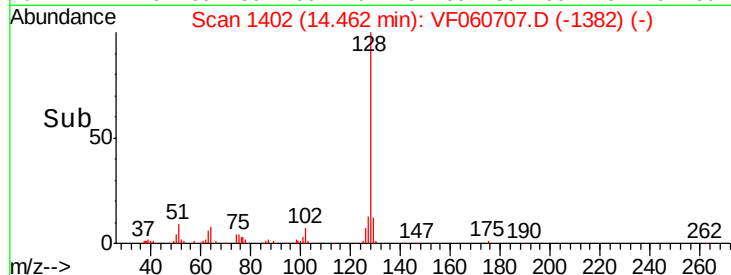
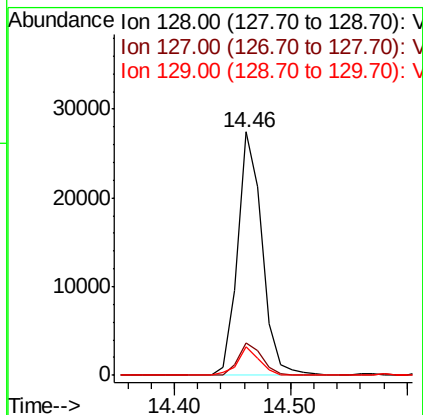
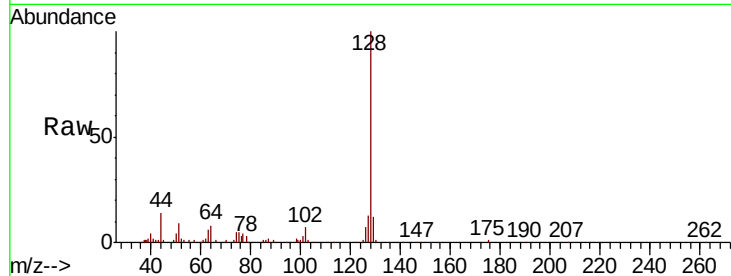
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	40067
Ion Ratio	Lower	Upper	
128	100		
127	13.2	9.8	14.6
129	11.8	9.3	13.9

Manual Integrations
APPROVED

sam
11/14/2018 9:32:47 AM



#96

1,2,3-Trichlorobenzene

Concen: 4.844 ug/l

RT: 14.61 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF060707.D

Acq: 13 Nov 2018 11:38

Tgt Ion:	180	Resp:	22705
Ion Ratio	Lower	Upper	
180	100		
182	95.3	49.6	149.0
145	31.0	16.9	50.7

