

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082418\
 Data File : VF060095.D
 Acq On : 24 Aug 2018 12:39
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 8/27/2018 3:21:57 PM

Quant Time: Aug 25 04:19:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	160274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	252595	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	272091	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	167990	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	117146	53.40	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.80%	
35) Dibromofluoromethane	4.29	113	109205	55.06	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	110.12%	
50) Toluene-d8	7.71	98	286489	50.86	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	11.50	95	157906	52.99	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	116136	55.04	ug/l	98
3) Chloromethane	1.07	50	71642	52.49	ug/l	97
4) Vinyl Chloride	1.12	62	62448	47.67	ug/l	98
5) Bromomethane	1.32	94	40269	40.45	ug/l	91
6) Chloroethane	1.39	64	27776	53.78	ug/l	93
7) Trichlorofluoromethane	1.49	101	187071	71.01	ug/l	98
8) Diethyl Ether	1.70	74	21923	46.55	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.86	101	79065	57.17	ug/l	98
10) Methyl Iodide	1.93	142	73860	40.40	ug/l #	83
11) Tert butyl alcohol	2.67	59	27809	238.30	ug/l #	86
12) 1,1-Dichloroethene	1.82	96	51298	50.35	ug/l	84
13) Acrolein	2.09	56	14758	211.53	ug/l	84
14) Allyl chloride	2.19	41	91054	50.32	ug/l	94
15) Acrylonitrile	3.06	53	77332	335.81	ug/l	93
16) Acetone	2.33	43	171058	296.71	ug/l	93
17) Carbon Disulfide	1.84	76	141990	44.51	ug/l	98
18) Methyl Acetate	2.44	43	48680	49.38	ug/l	95
19) Methyl tert-butyl Ether	2.53	73	153578	47.05	ug/l	100
20) Methylene Chloride	2.27	84	56154	49.40	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	52363	45.93	ug/l	92
22) Diisopropyl ether	2.92	45	230486	56.88	ug/l	97
23) Vinyl Acetate	3.32	43	541832	252.43	ug/l	100
24) 1,1-Dichloroethane	2.99	63	176610	70.56	ug/l	99
25) 2-Butanone	4.49	43	204418	272.98	ug/l	97
26) 2,2-Dichloropropane	3.75	77	157034	60.64	ug/l	94
27) cis-1,2-Dichloroethene	3.62	96	90704	56.15	ug/l	98
28) Bromochloromethane	3.88	49	52507	49.69	ug/l	86
29) Tetrahydrofuran	4.24	42	69887	247.19	ug/l	97
30) Chloroform	4.03	83	202086	57.52	ug/l	90
31) Cyclohexane	3.85	56	99928	52.39	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	185141	61.53	ug/l	95
36) 1,1-Dichloropropene	4.45	75	121616	51.23	ug/l	96
37) Ethyl Acetate	4.28	43	71284	50.21	ug/l	87
38) Carbon Tetrachloride	4.17	117	161842	58.88	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	106353	47.78	ug/l	90
40) Benzene	4.80	78	262450	50.61	ug/l	97
41) Methacrylonitrile	4.91	41	32047	44.63	ug/l	94
42) 1,2-Dichloroethane	5.11	62	146820	52.80	ug/l	100
43) Isopropyl Acetate	7.10	43	78805	44.10	ug/l #	99
44) Trichloroethene	5.67	130	87500	51.04	ug/l	98
45) 1,2-Dichloropropane	6.39	63	78249	53.35	ug/l	97
46) Dibromomethane	6.25	93	62913	54.82	ug/l	93
47) Bromodichloromethane	6.54	83	158343	57.12	ug/l	94
48) Methyl methacrylate	6.87	41	54203	45.84	ug/l	95
49) 1,4-Dioxane	6.86	88	12011	1058.22	ug/l #	90
51) 4-Methyl-2-Pentanone	8.40	43	370392	240.05	ug/l	99
52) Toluene	7.77	92	198797	60.64	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	130266	51.82	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	151641	54.05	ug/l	100
55) 1,1,2-Trichloroethane	8.63	97	75801	54.18	ug/l	97
56) Ethyl methacrylate	8.75	69	82696	48.83	ug/l	96
57) 1,3-Dichloropropane	9.00	76	132252	53.78	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	35606	264.87	ug/l	100
59) 2-Hexanone	9.62	43	316500	253.44	ug/l	97
60) Dibromochloromethane	8.86	129	110230	53.37	ug/l	100
61) 1,2-Dibromoethane	9.13	107	86833	52.84	ug/l	95
64) Tetrachloroethene	8.30	164	86417	47.15	ug/l	97
65) Chlorobenzene	9.93	112	262890	51.17	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	101701	52.19	ug/l	99
67) Ethyl Benzene	10.03	91	466167	52.58	ug/l	99
68) m/p-Xylenes	10.26	106	334644	117.36	ug/l	99
69) o-Xylene	10.82	106	177912	51.22	ug/l	100
70) Styrene	10.90	104	276421	51.87	ug/l	99
71) Bromoform	10.88	173	73095	53.76	ug/l	94
73) Isopropylbenzene	11.22	105	535411	52.95	ug/l	99
74) N-amyl acetate	11.46	43	152639	48.56	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.78	83	113550	51.42	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	84659	49.43	ug/l	97
77) Bromobenzene	11.59	156	141586	51.49	ug/l	92
78) n-propylbenzene	11.69	91	686637	55.02	ug/l	100
79) 2-Chlorotoluene	11.81	91	377298	51.41	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	468877	53.22	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	38179m	48.72	ug/l	
82) 4-Chlorotoluene	11.98	91	426514	53.53	ug/l	94
83) tert-Butylbenzene	12.21	119	461598	53.72	ug/l	94
84) 1,2,4-Trimethylbenzene	12.29	105	489701	52.29	ug/l	99
85) sec-Butylbenzene	12.39	105	618103	51.67	ug/l	99
86) p-Isopropyltoluene	12.54	119	544991	54.92	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	272300	53.55	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	264221	52.29	ug/l	97
89) n-Butylbenzene	12.92	91	566465	58.75	ug/l	99
90) Hexachloroethane	12.99	117	122625	54.99	ug/l	83
91) 1,2-Dichlorobenzene	13.02	146	254973	52.14	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	22594	50.07	ug/l	90

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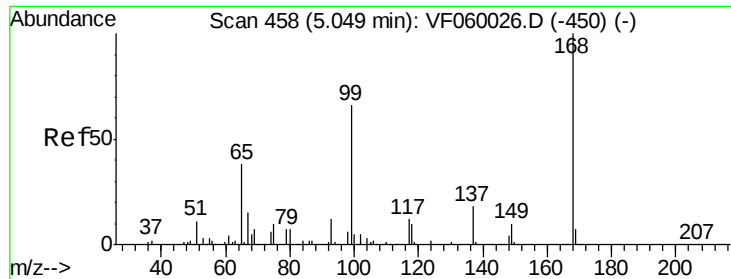
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	190971	53.03	ug/l	98
94) Hexachlorobutadiene	14.25	225	120451	53.74	ug/l	98
95) Naphthalene	14.52	128	301605	48.35	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	182395	53.09	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 160274

Ion Ratio Lower Upper

168 100

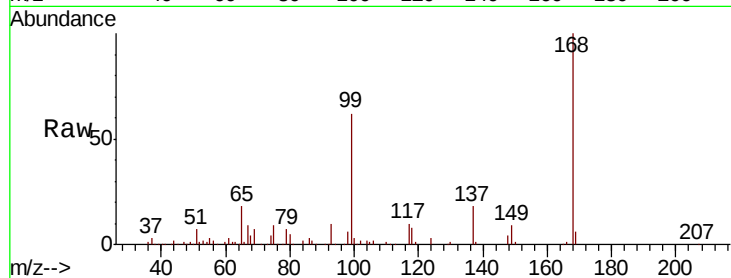
99 62.3 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

50000

40000

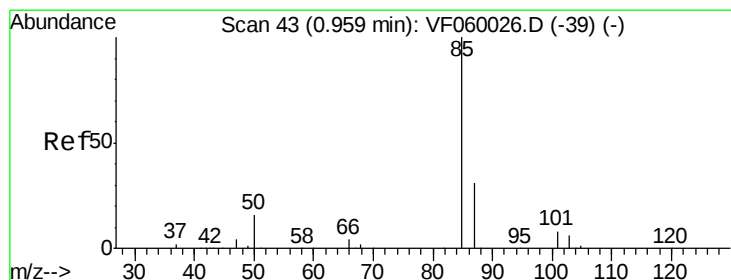
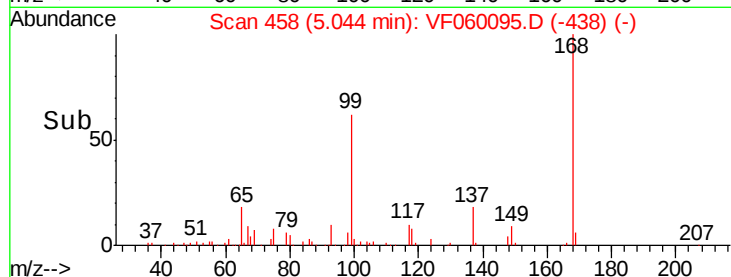
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 55.04 ug/l

RT: 0.95 min Scan# 43

Delta R.T. -0.01 min

Lab File: VF060095.D

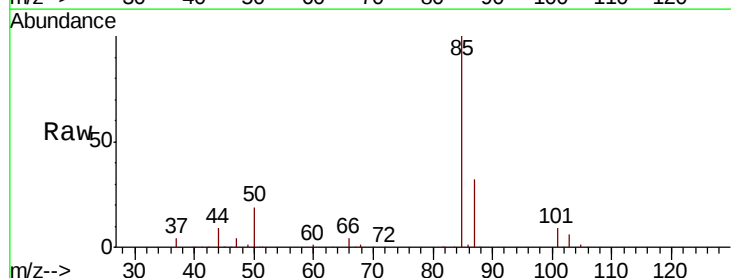
Acq: 24 Aug 2018 12:39

Tgt Ion: 85 Resp: 116136

Ion Ratio Lower Upper

85 100

87 31.8 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

80000

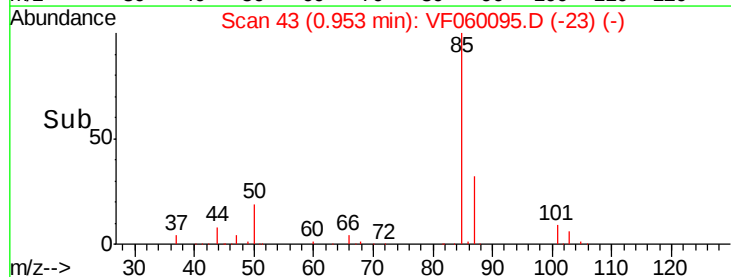
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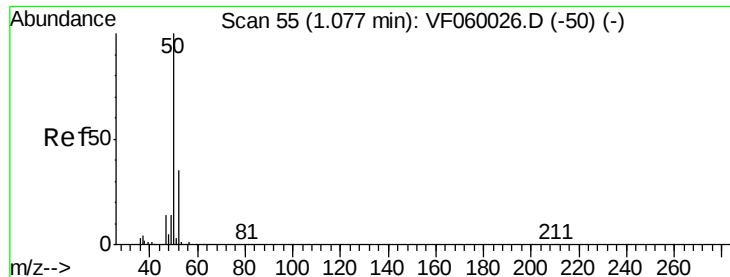
40000

20000

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Time-->





#3

Chloromethane

Concen: 52.49 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 71642

Ion Ratio Lower Upper

50 100

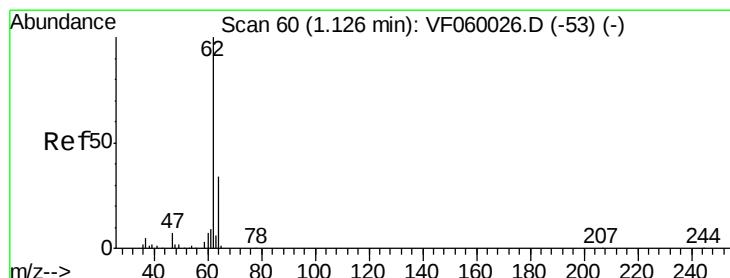
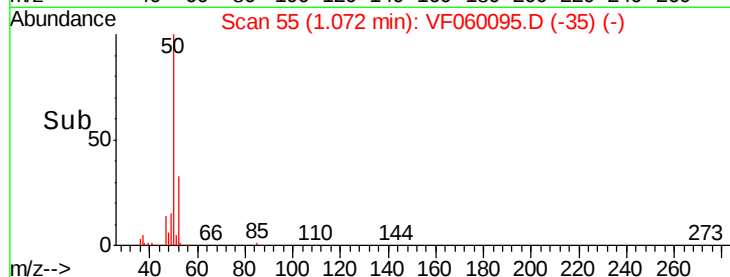
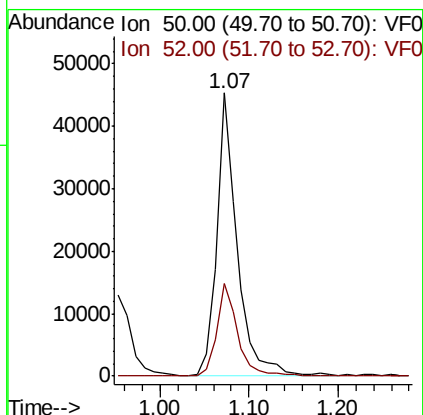
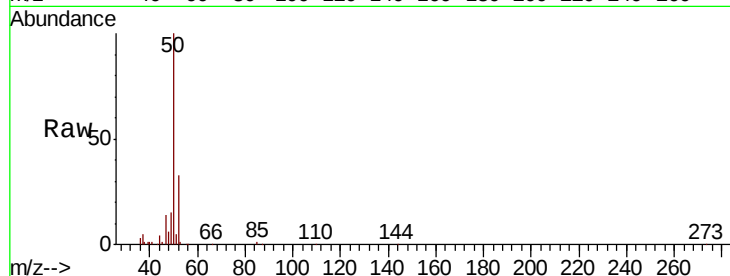
52 32.7 27.6 41.4

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#4

Vinyl Chloride

Concen: 47.67 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.01 min

Lab File: VF060095.D

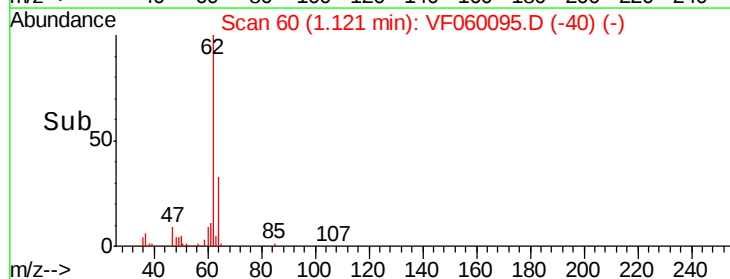
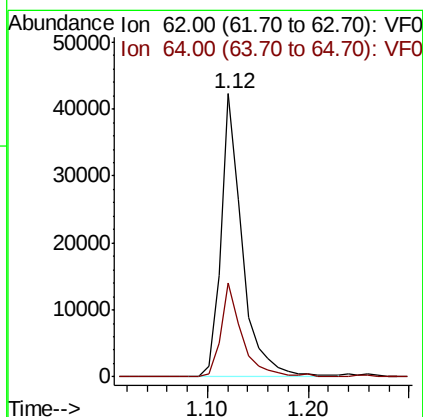
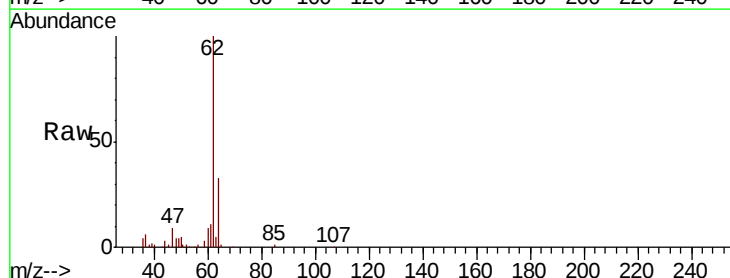
Acq: 24 Aug 2018 12:39

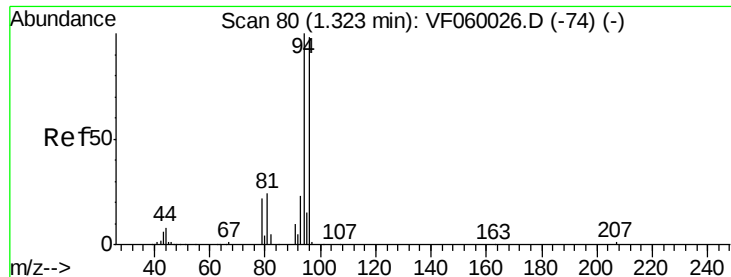
Tgt Ion: 62 Resp: 62448

Ion Ratio Lower Upper

62 100

64 33.0 27.4 41.2





#5

Bromomethane

Concen: 40.45 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 40269

Ion Ratio Lower Upper

94 100

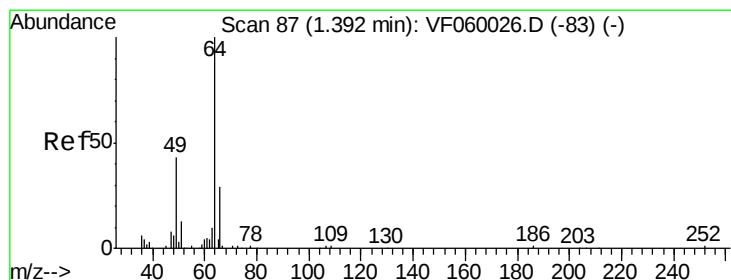
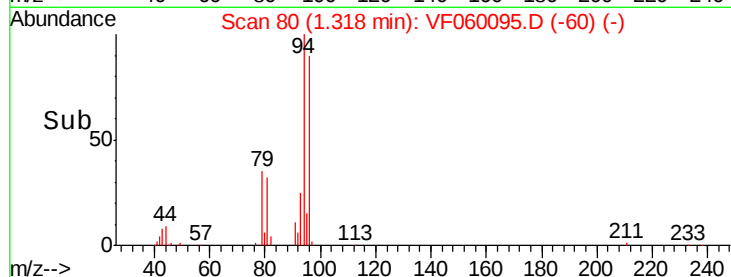
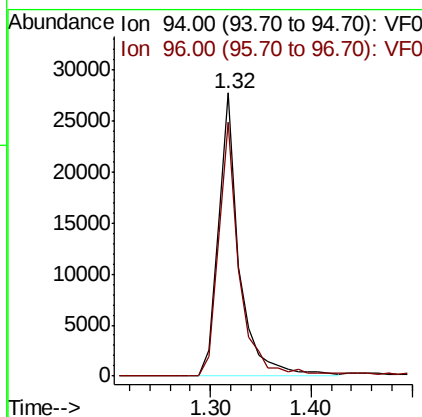
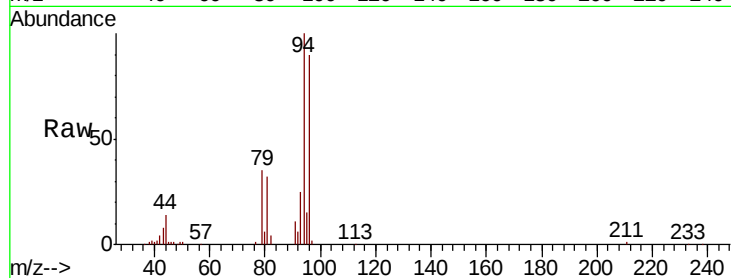
96 89.8 78.6 118.0

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#6

Chloroethane

Concen: 53.78 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF060095.D

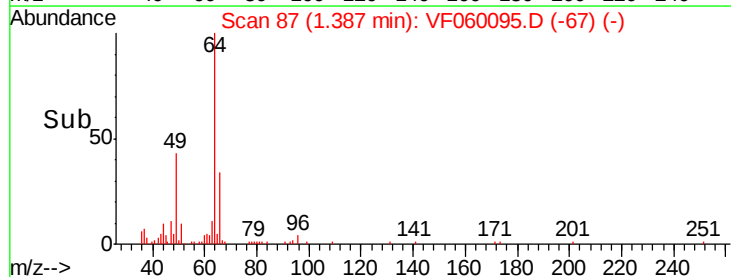
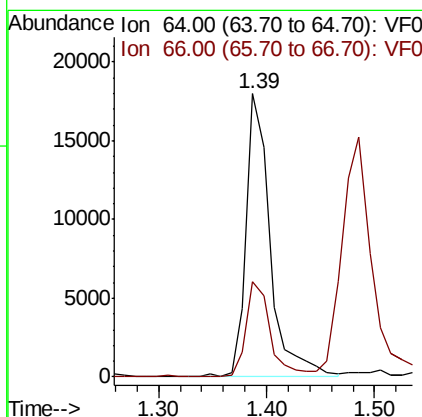
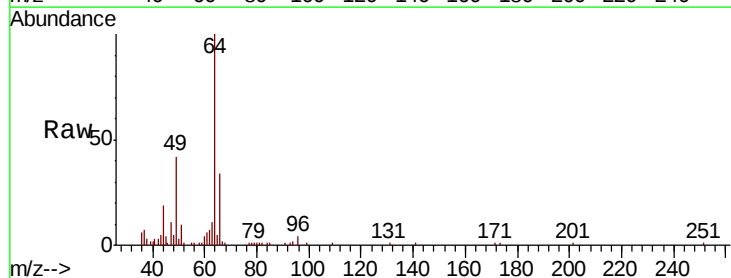
Acq: 24 Aug 2018 12:39

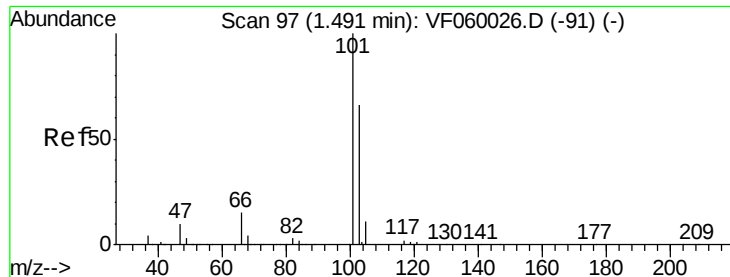
Tgt Ion: 64 Resp: 27776

Ion Ratio Lower Upper

64 100

66 33.8 24.1 36.1





#7

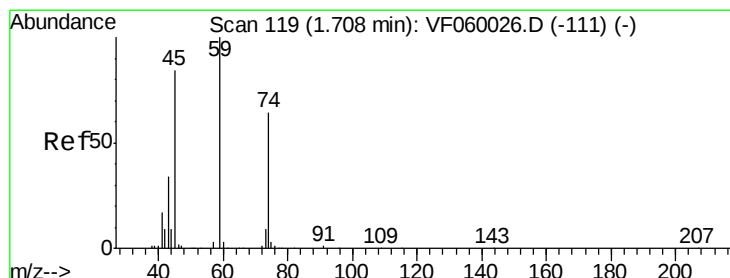
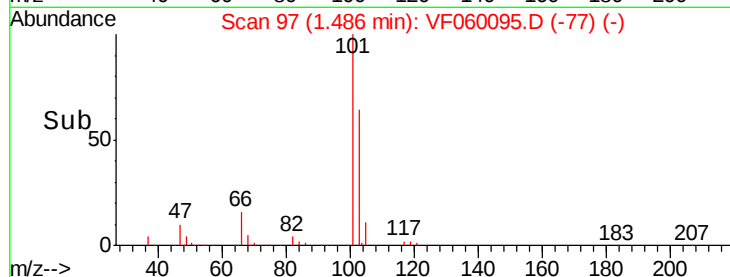
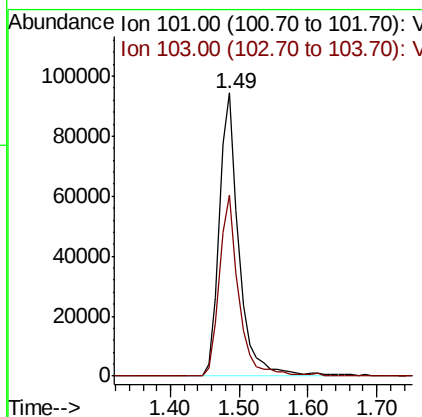
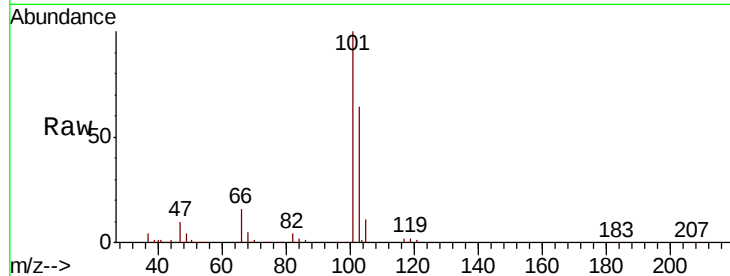
Trichlorofluoromethane
 Concen: 71.01 ug/l
 RT: 1.49 min Scan# 97
 Delta R.T. -0.01 min
 Lab File: VF060095.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	187071		
103	64.1	52.5	78.7	

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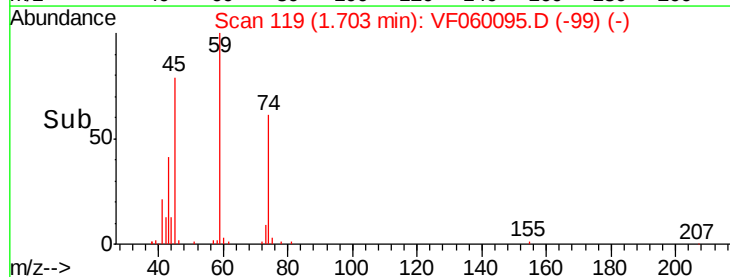
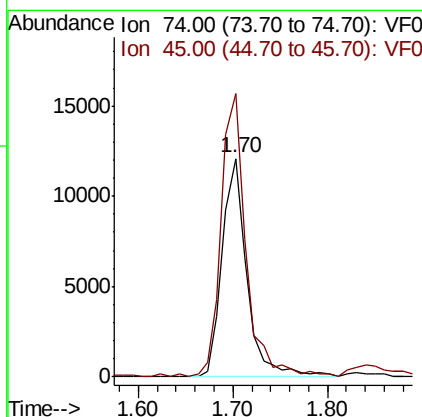
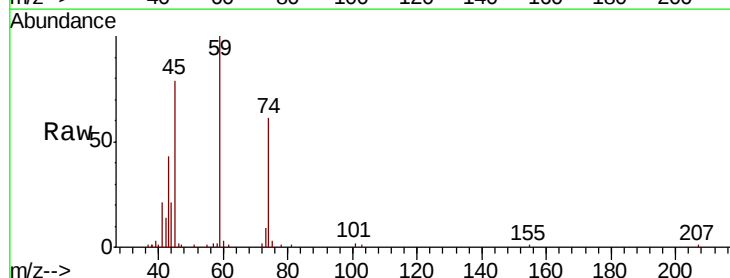
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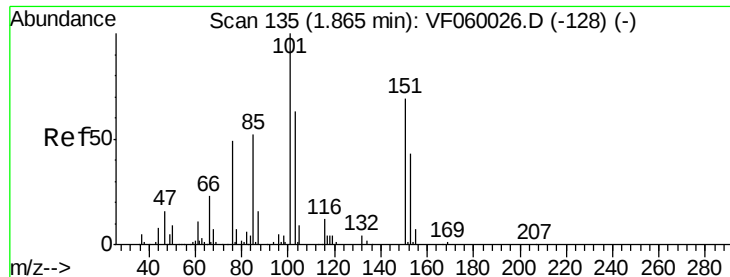


#8

Diethyl Ether
 Concen: 46.55 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	21923		
45	129.4	66.0	198.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.17 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

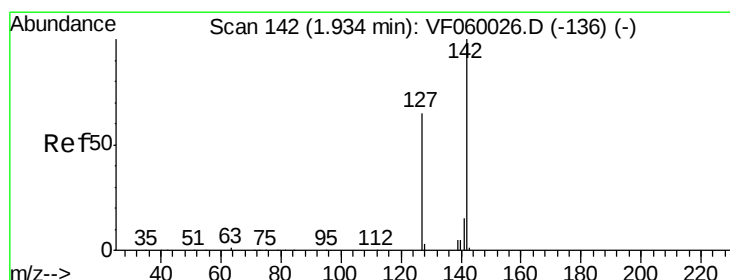
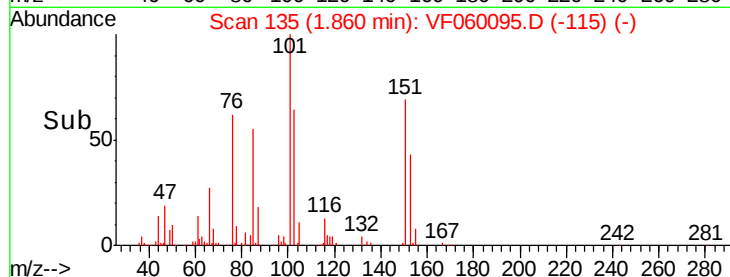
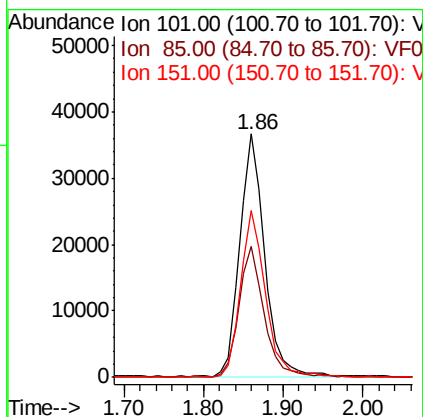
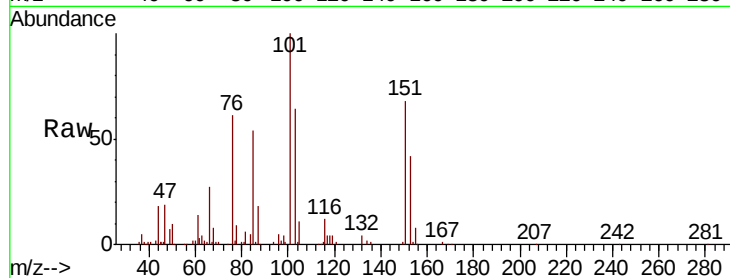
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	79065
Ion Ratio	Lower	Upper	
101	100		
85	53.9	41.5	62.3
151	68.3	55.2	82.8

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#10

Methyl Iodide

Concen: 40.40 ug/l

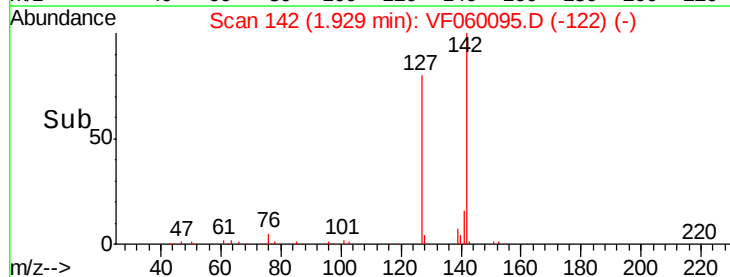
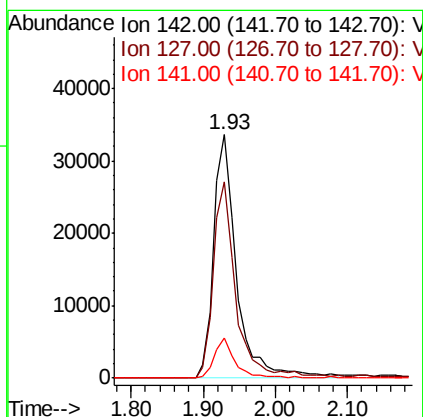
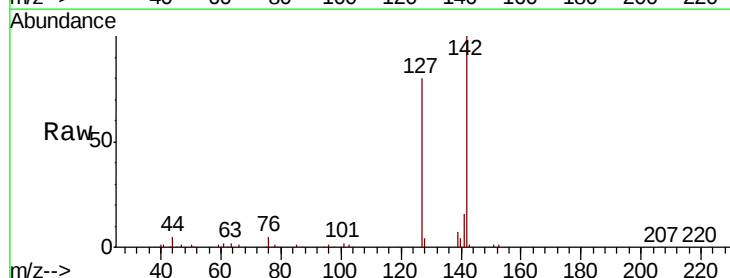
RT: 1.93 min Scan# 142

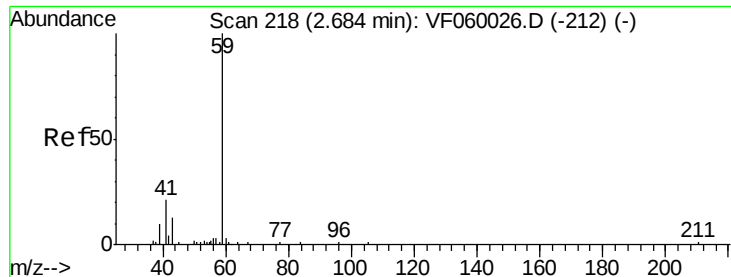
Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Tgt Ion:	142	Resp:	73860
Ion Ratio	Lower	Upper	
142	100		
127	80.4	51.8	77.6#
141	16.3	11.9	17.9





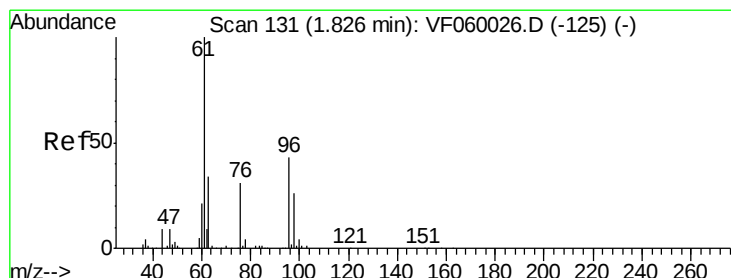
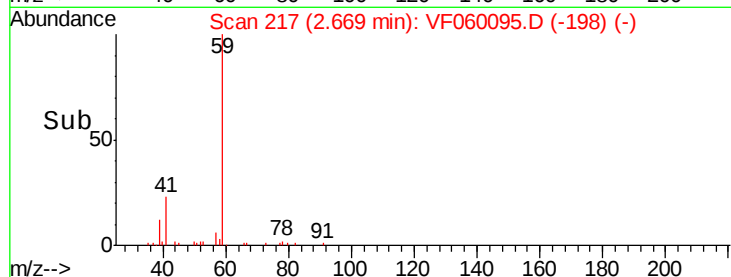
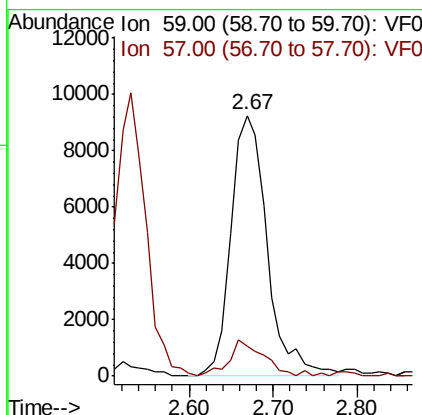
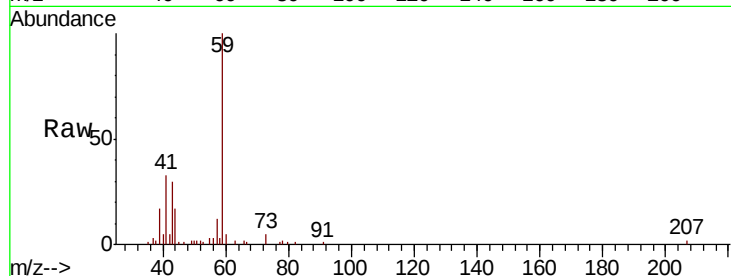
#11
Tert butyl alcohol
Concen: 238.30 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	27809
Ion Ratio	100	Lower	Upper
59	100		
57	11.7	5.4	8.2#

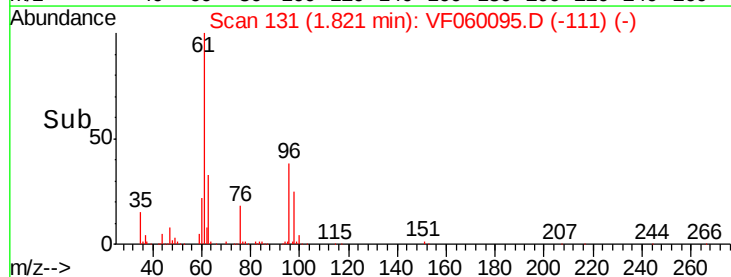
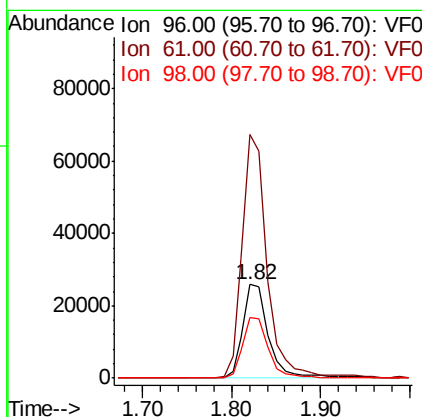
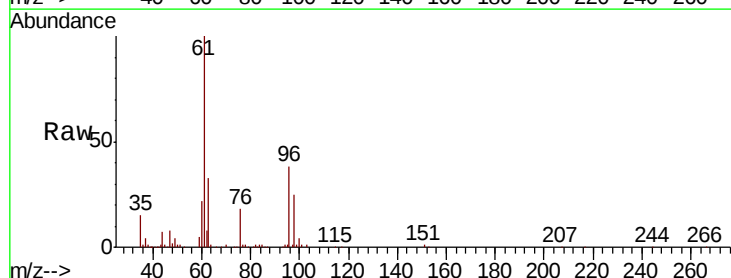
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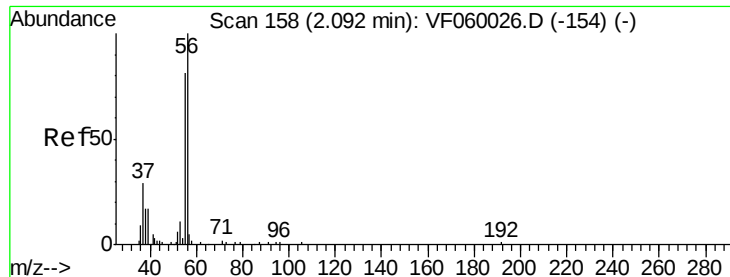
apatel
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#12
1,1-Dichloroethene
Concen: 50.35 ug/l
RT: 1.82 min Scan# 131
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion	96	Resp	51298
Ion Ratio	100	Lower	Upper
96	100		
61	260.7	185.0	277.6
98	65.4	47.8	71.8





#13

Acrolein

Concen: 211.53 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 14758

Ion Ratio Lower Upper

56 100

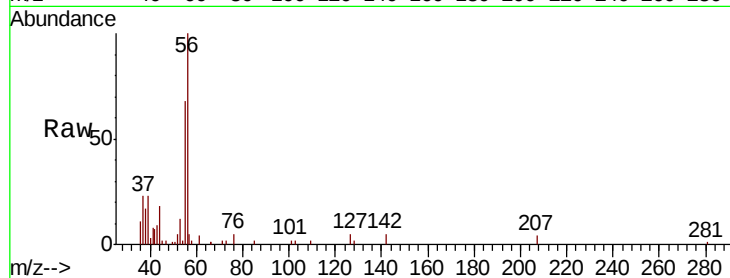
55 67.9 65.6 98.4

Manual Integrations

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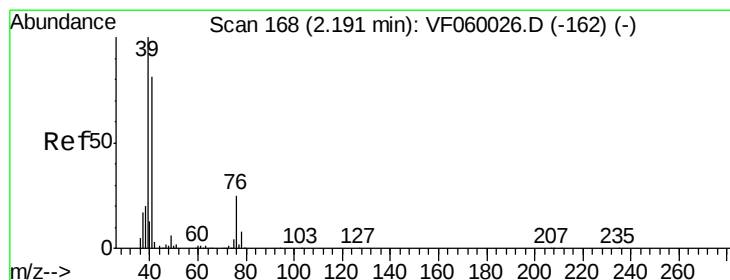
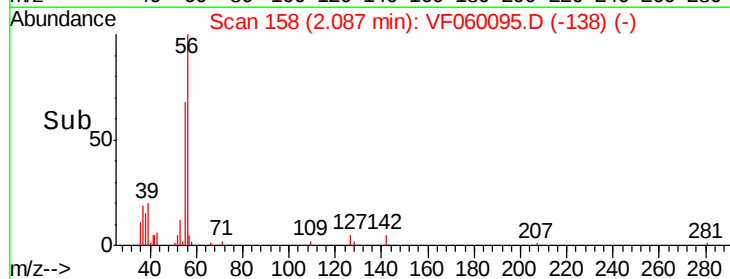
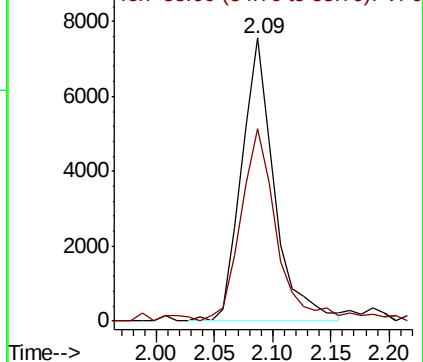
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 50.32 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

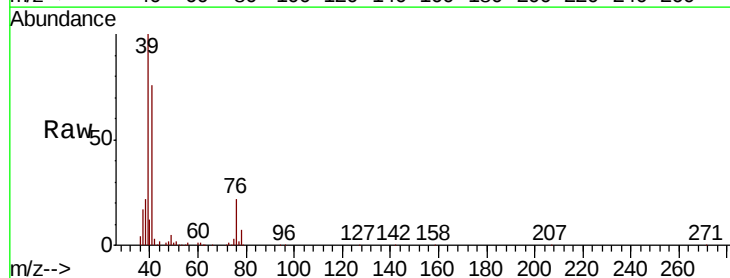
Tgt Ion: 41 Resp: 91054

Ion Ratio Lower Upper

41 100

39 131.4 99.3 148.9

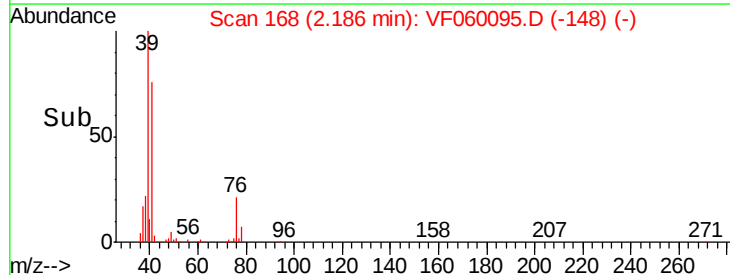
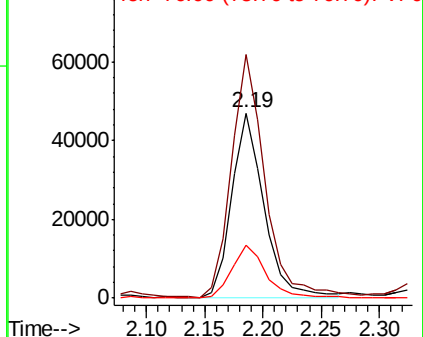
76 28.8 24.3 36.5

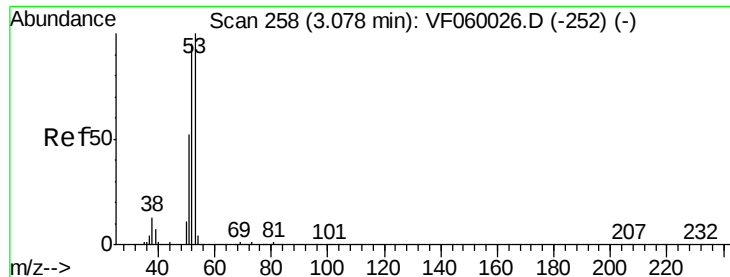


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 335.81 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

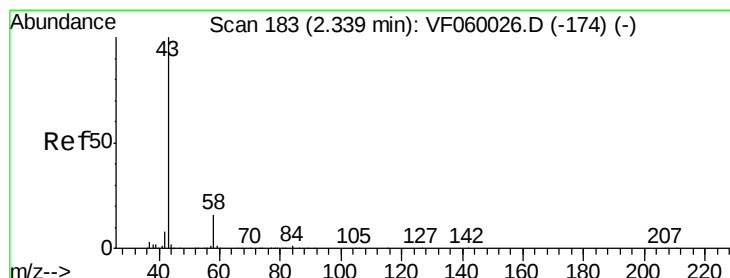
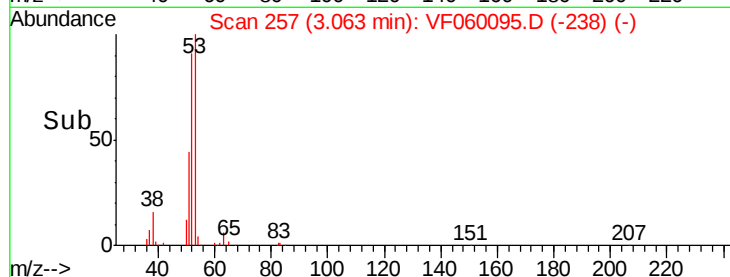
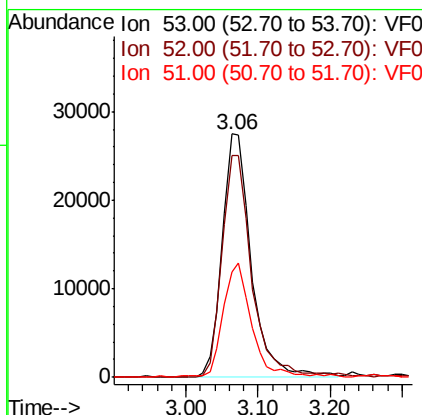
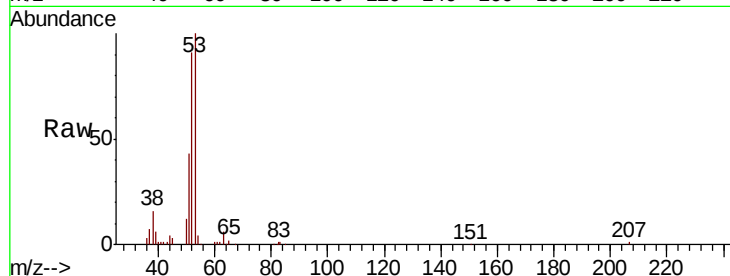
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	77332
Ion	Ratio	Lower	Upper
53	100		
52	91.0	75.8	113.8
51	43.5	42.1	63.1

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#16

Acetone

Concen: 296.71 ug/l

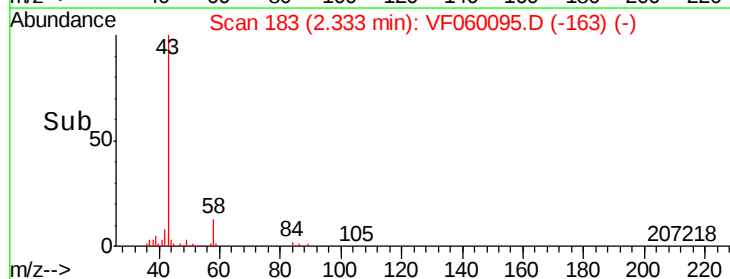
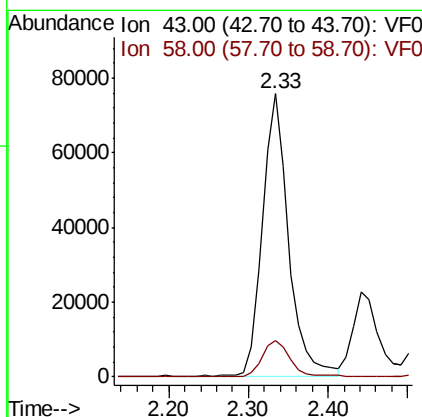
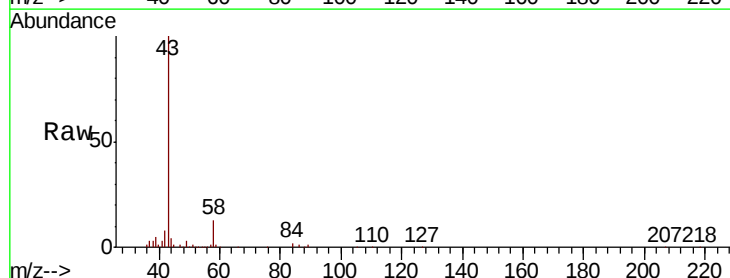
RT: 2.33 min Scan# 183

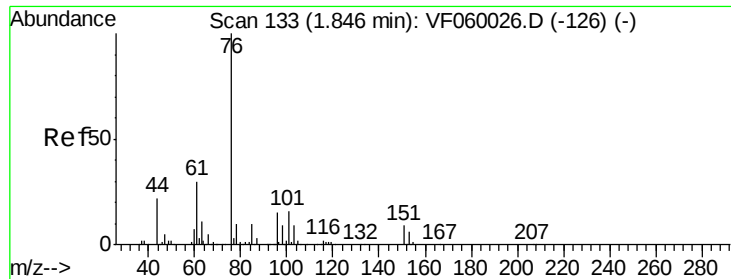
Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Tgt Ion:	43	Resp:	171058
Ion	Ratio	Lower	Upper
43	100		
58	12.9	12.6	19.0





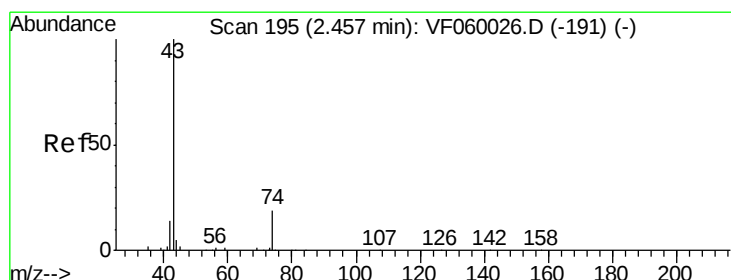
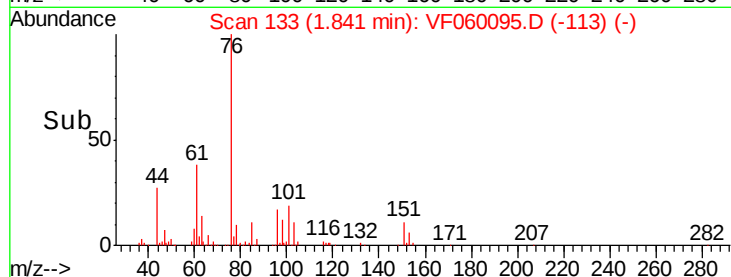
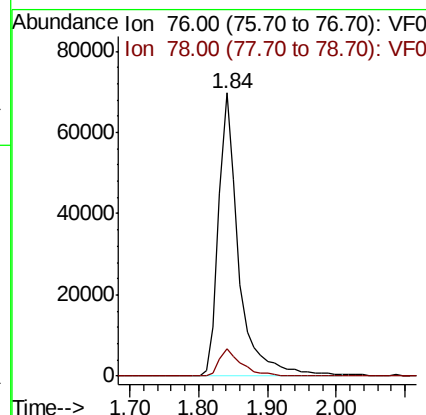
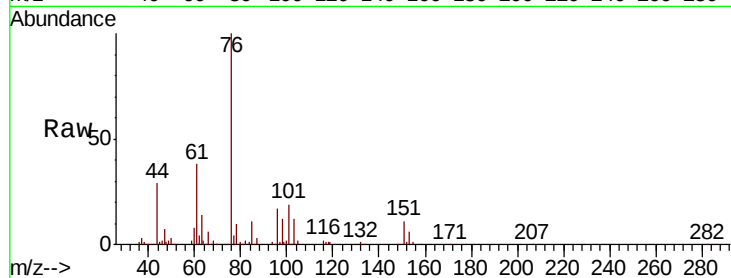
#17
Carbon Disulfide
Concen: 44.51 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	8.4	12.6

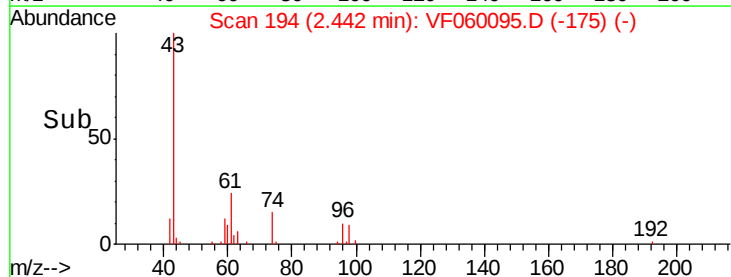
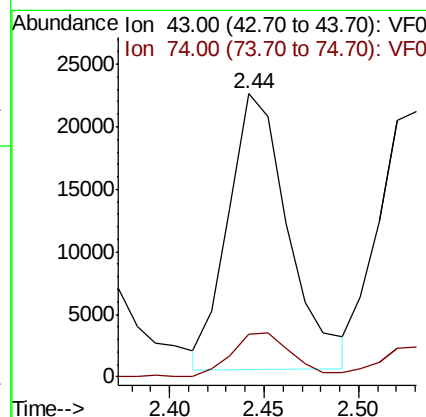
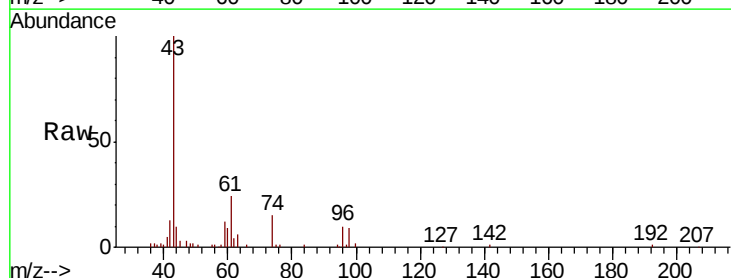
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#18
Methyl Acetate
Concen: 49.38 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.1	13.8	20.6





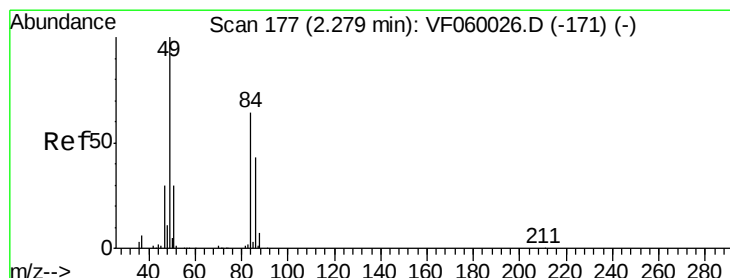
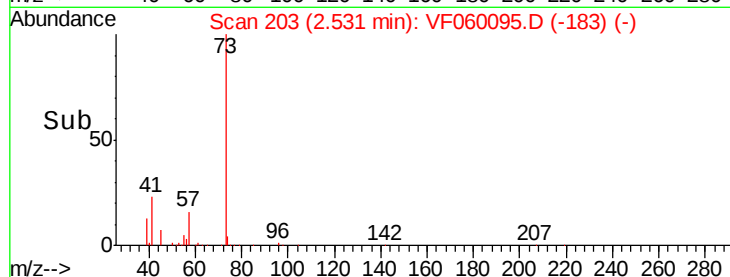
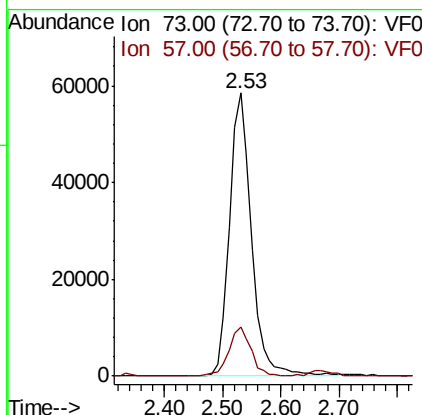
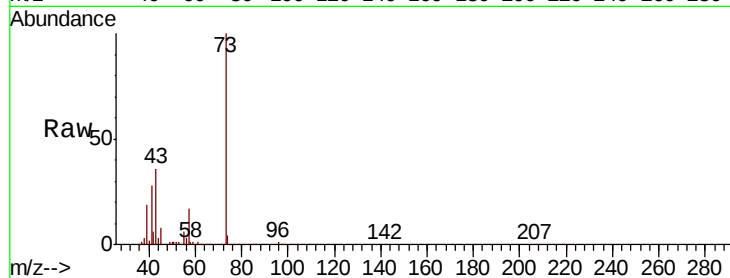
#19
Methvl tert-butvl Ether
Concen: 47.05 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.2	13.7	20.5

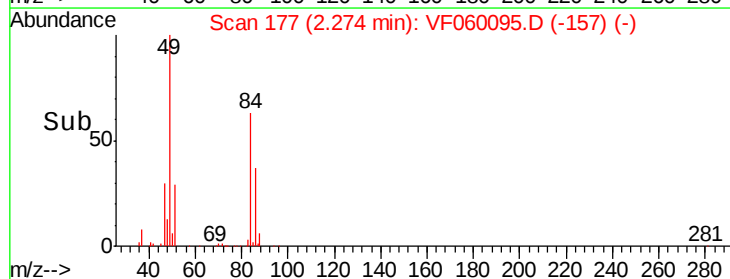
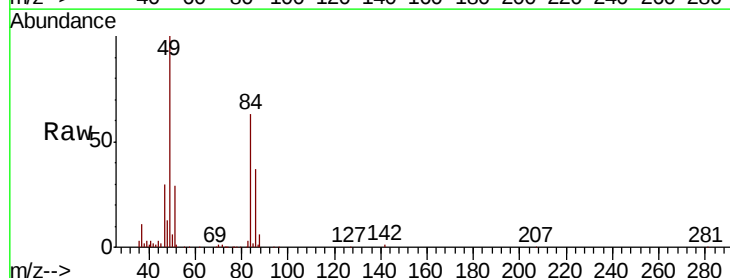
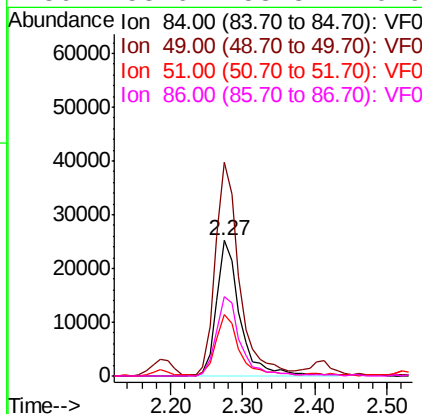
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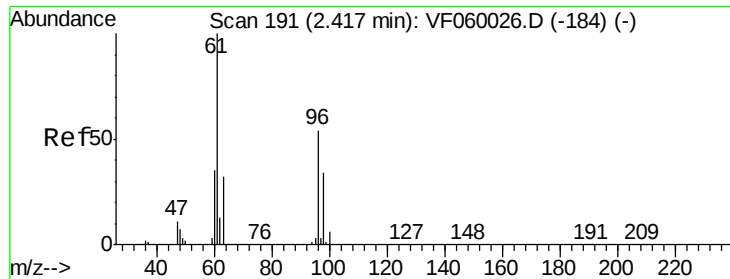
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#20
Methylene Chloride
Concen: 49.40 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.6	125.4	188.0
51	45.7	38.3	57.5
86	58.6	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 45.93 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

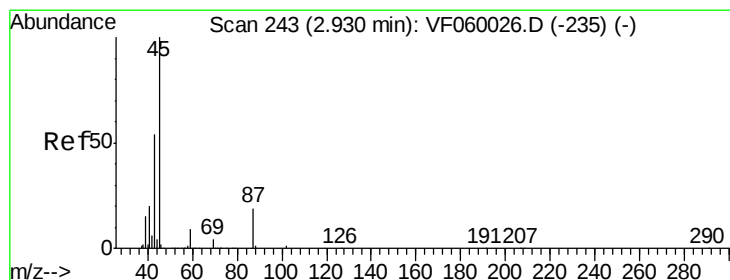
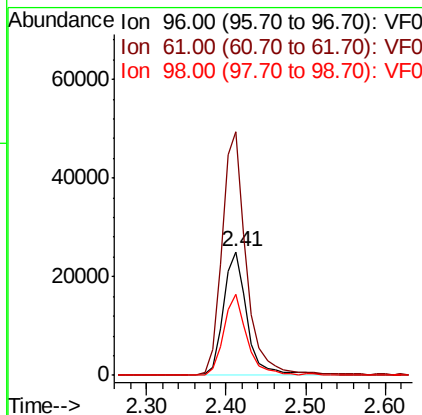
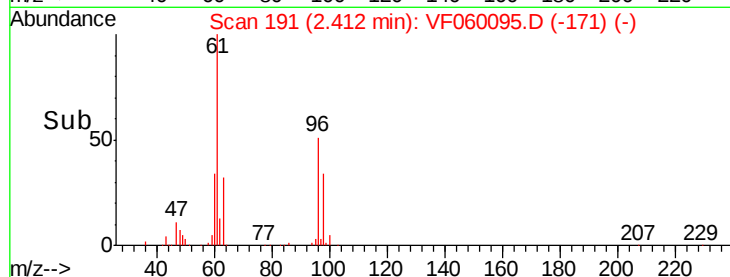
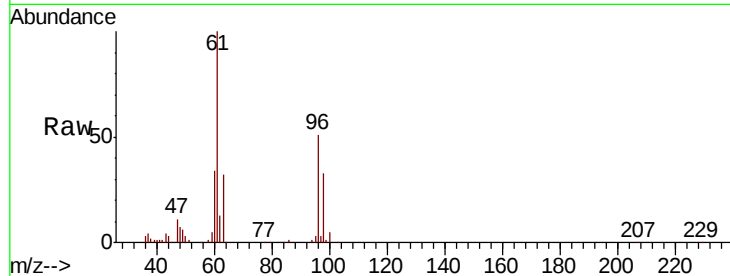
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	52363
Ion	Ratio	Lower	Upper
96	100		
61	197.3	147.4	221.0
98	66.1	49.8	74.6

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#22

Diisopropyl ether

Concen: 56.88 ug/l

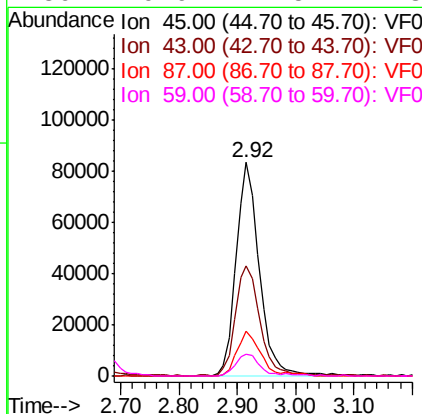
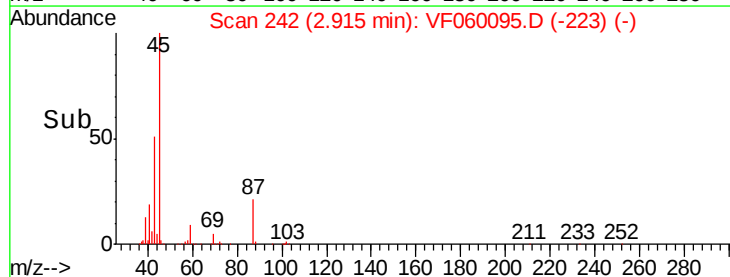
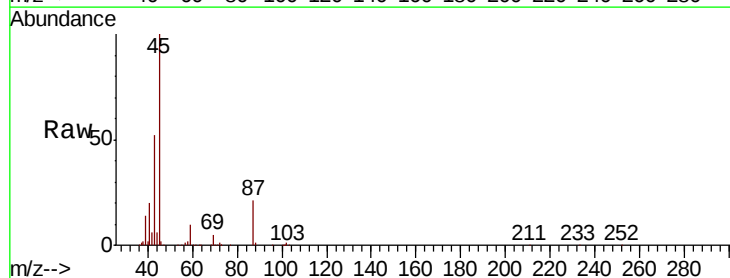
RT: 2.92 min Scan# 242

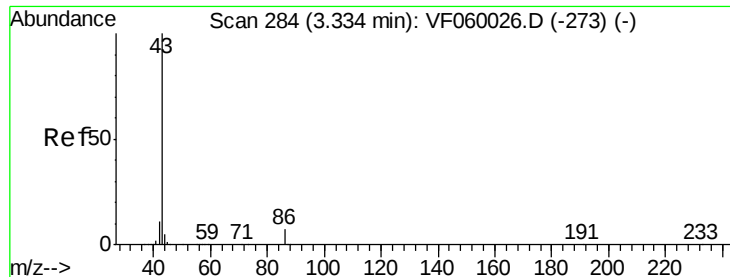
Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Tgt Ion:	45	Resp:	230486
Ion	Ratio	Lower	Upper
45	100		
43	51.6	43.4	65.2
87	21.0	15.4	23.2
59	9.9	7.5	11.3





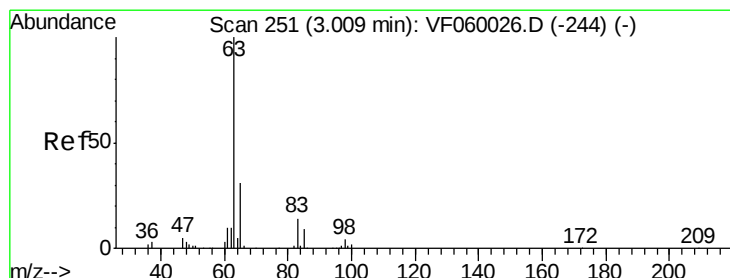
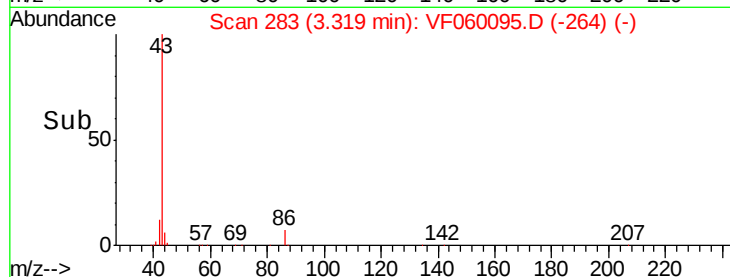
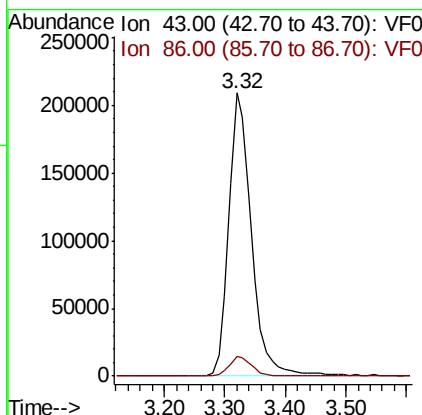
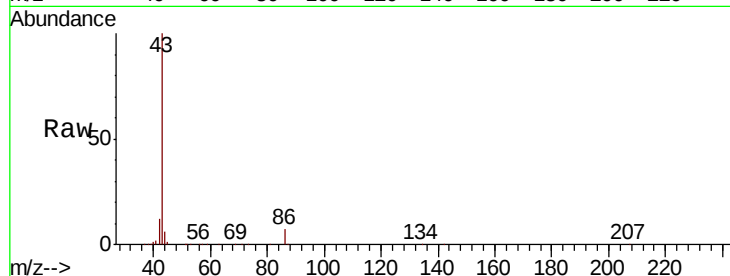
#23
 Vinyl Acetate
 Concen: 252.43 ug/l
 RT: 3.32 min Scan# 283
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	7.1	5.6	8.4	

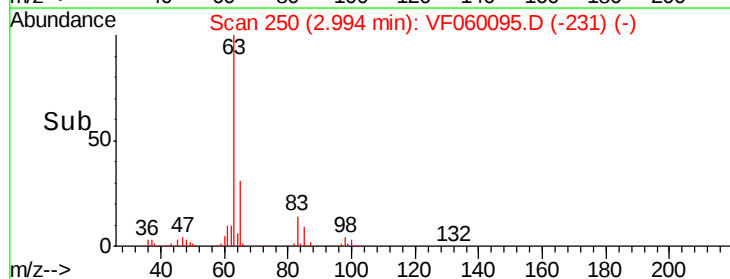
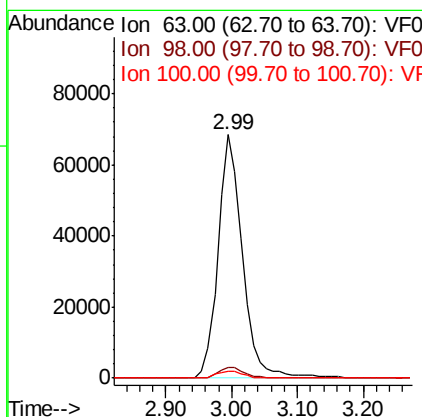
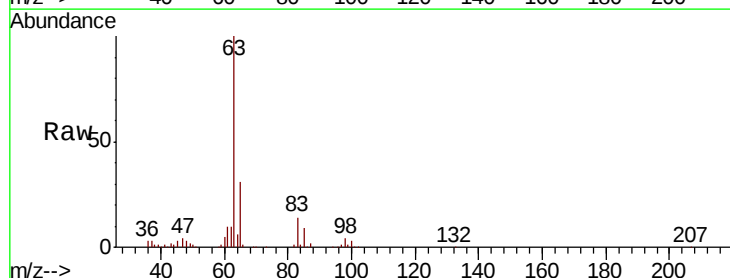
Manual Integrations
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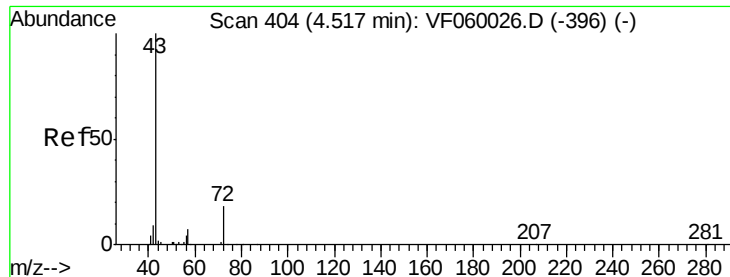
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#24
 1,1-Dichloroethane
 Concen: 70.56 ug/l
 RT: 2.99 min Scan# 250
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	4.5	2.1	6.5	
100	3.0	1.1	3.3	





#25

2-Butanone

Concen: 272.98 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.02 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 204418

Ion Ratio Lower Upper

43 100

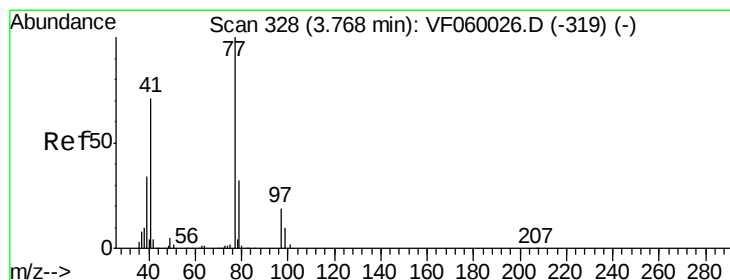
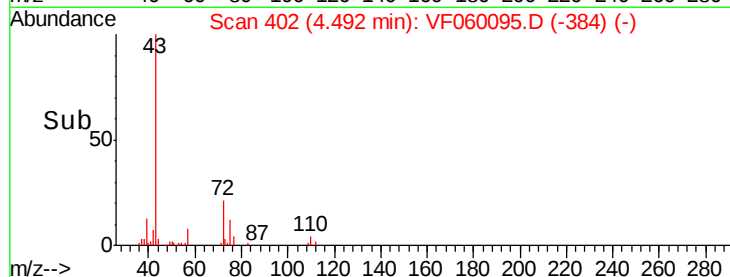
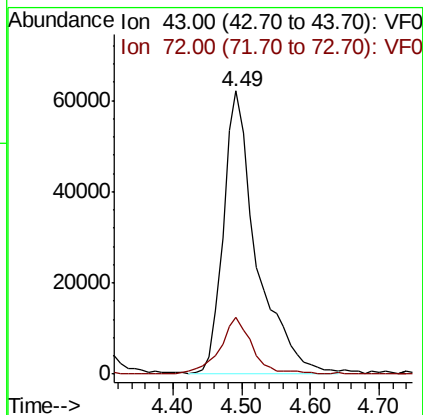
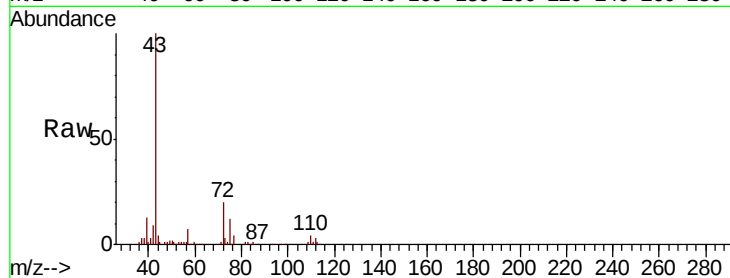
72 20.1 15.0 22.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 60.64 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060095.D

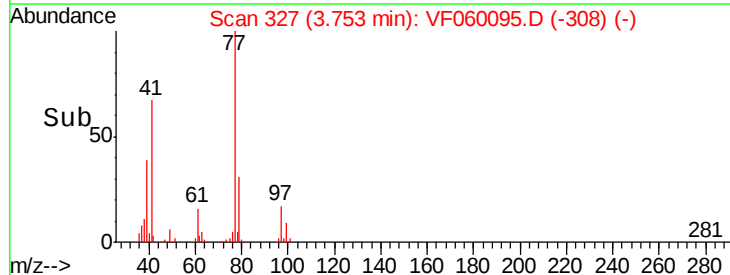
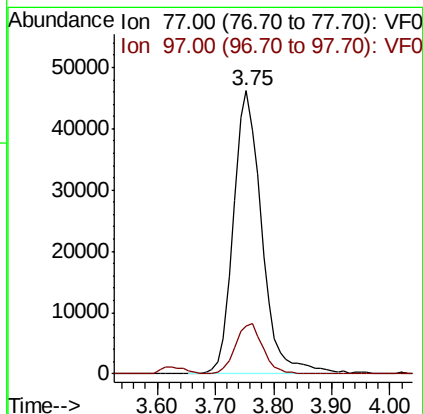
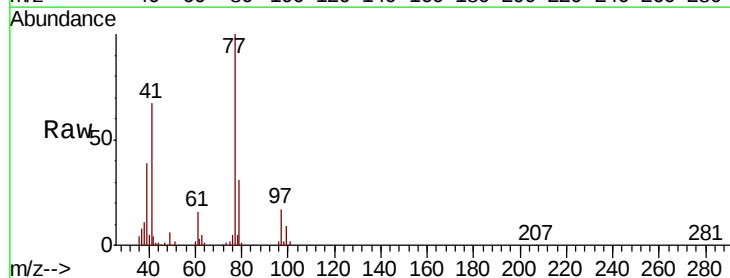
Acq: 24 Aug 2018 12:39

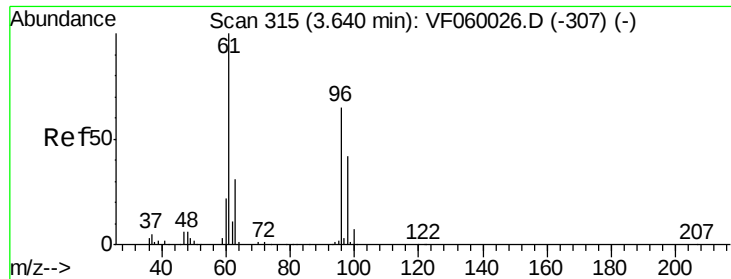
Tgt Ion: 77 Resp: 157034

Ion Ratio Lower Upper

77 100

97 16.9 9.7 29.1





#27

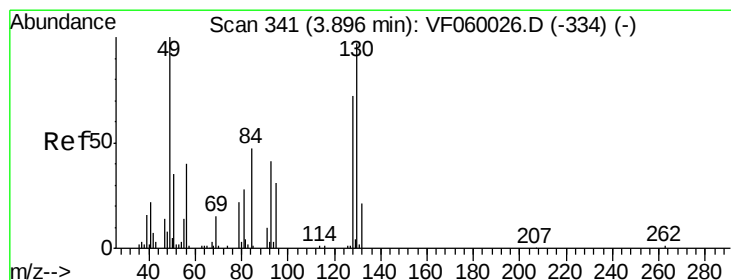
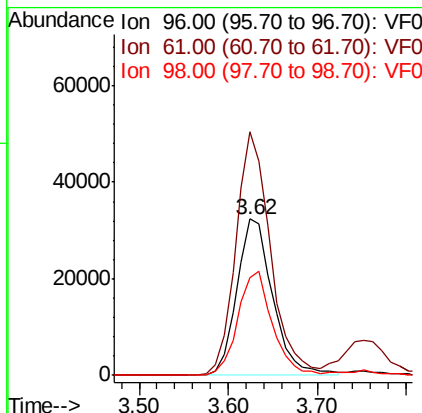
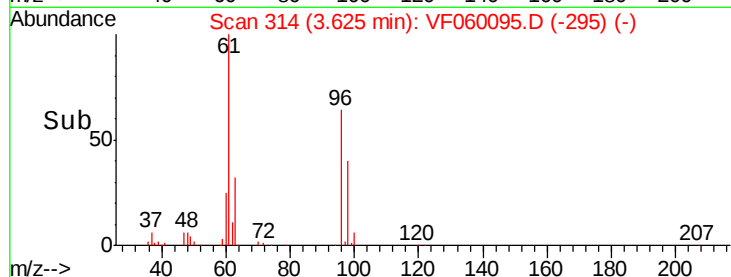
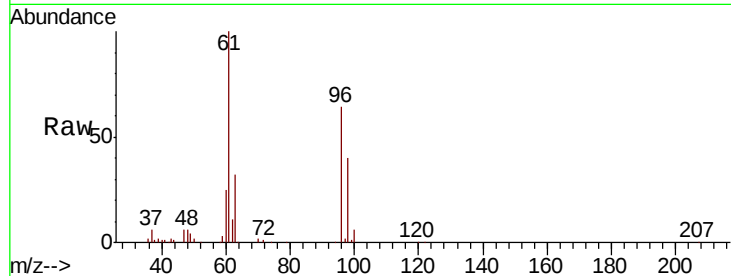
cis-1,2-Dichloroethene
 Concen: 56.15 ug/l
 RT: 3.62 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100			
61	61	155.9		0.0	307.6
98	98	62.5		0.0	128.4

Manual Integrations
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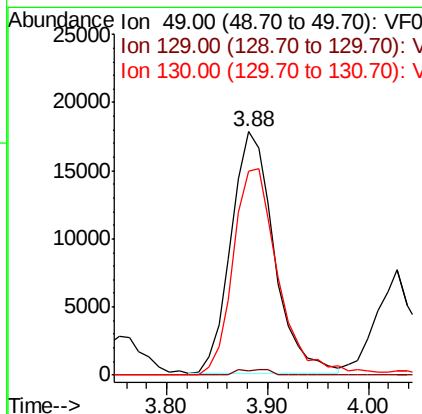
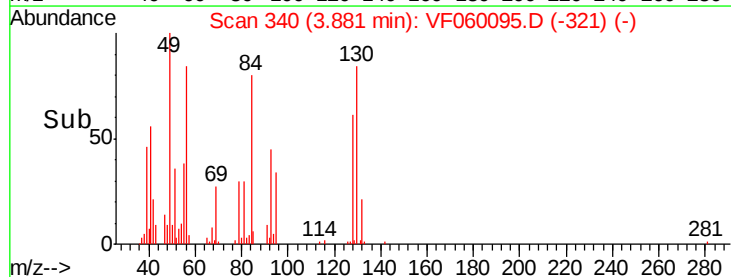
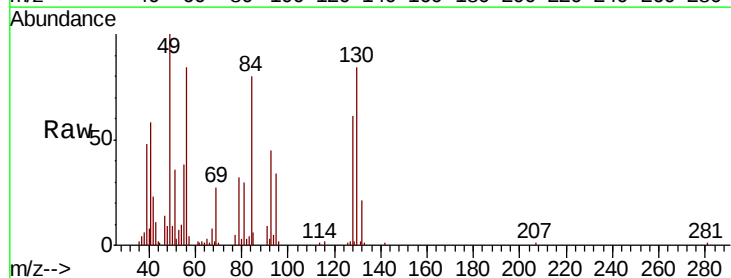
apatel
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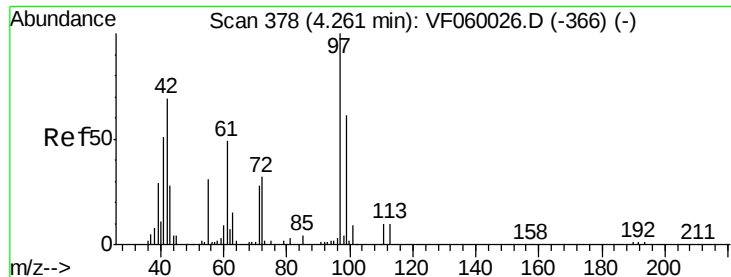


#28

Bromochloromethane
 Concen: 49.69 ug/l
 RT: 3.88 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	49	100			
129	129	1.8		0.0	7.4
130	130	83.8		78.0	117.0





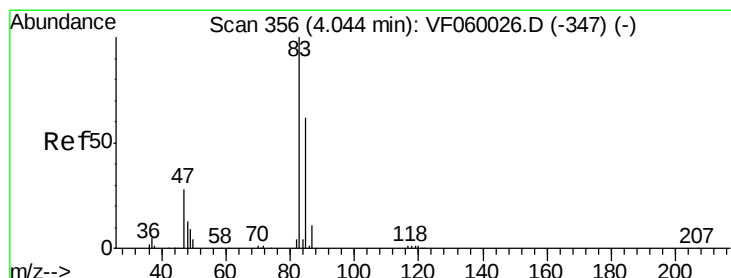
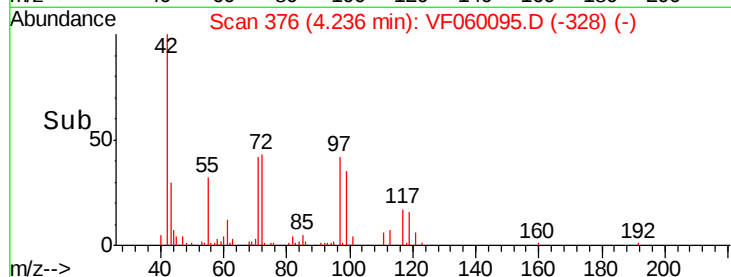
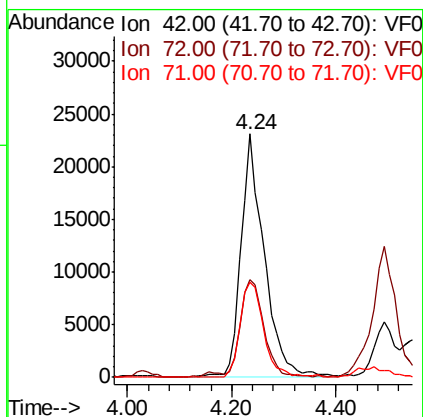
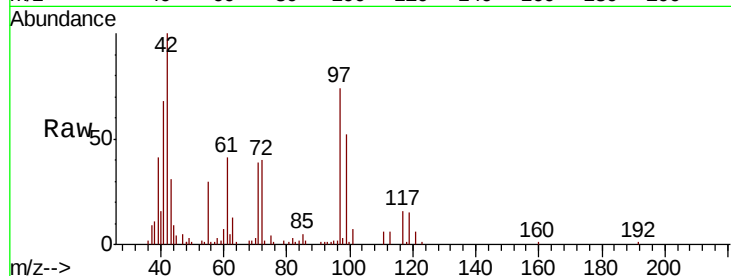
#29
Tetrahydrofuran
Concen: 247.19 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.02 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	31.4	47.2
71	39.6	29.7	44.5

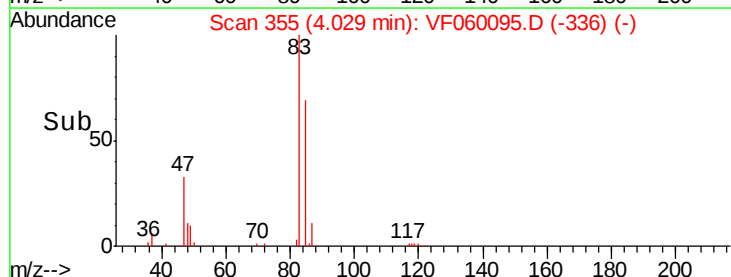
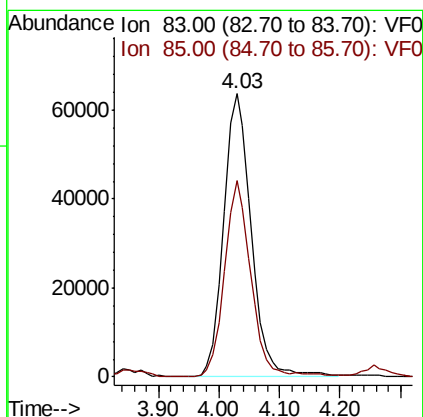
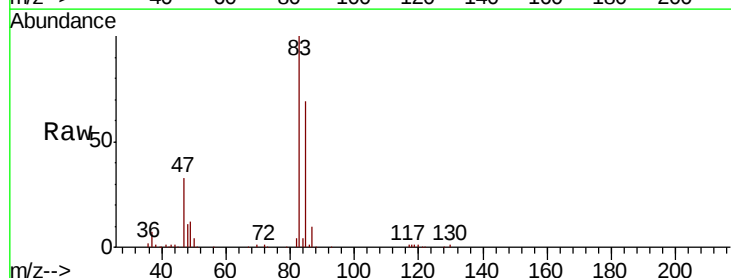
Manual Integrations
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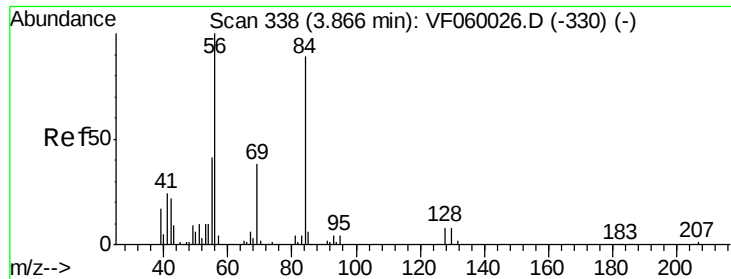
apatel
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#30
Chloroform
Concen: 57.52 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.2	49.5	74.3





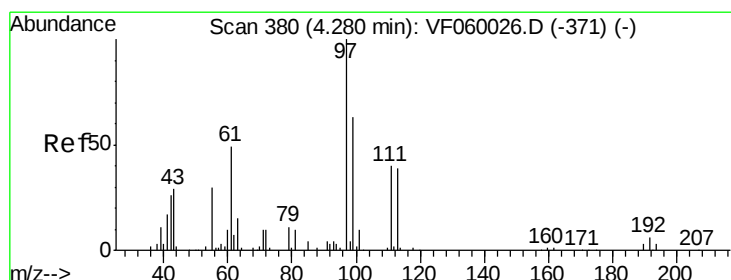
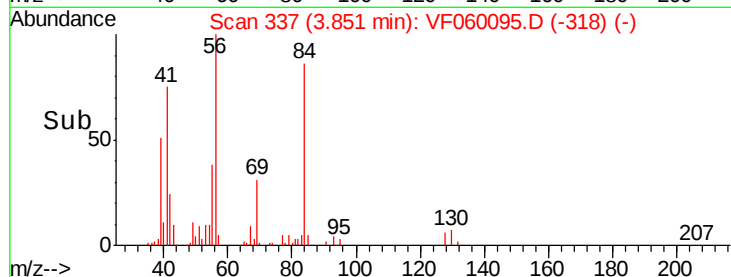
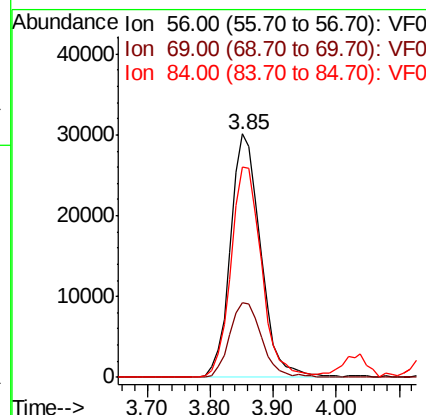
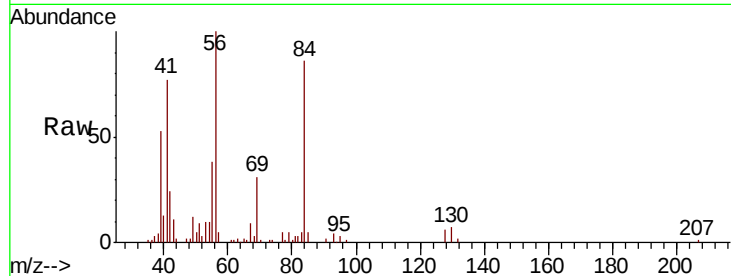
#31
Cyclohexane
Concen: 52.39 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	30.4	45.6
84	86.3	71.4	107.2

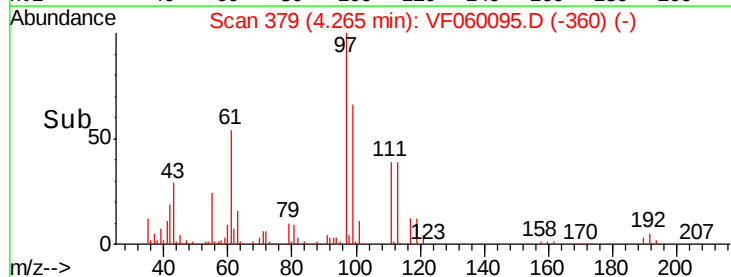
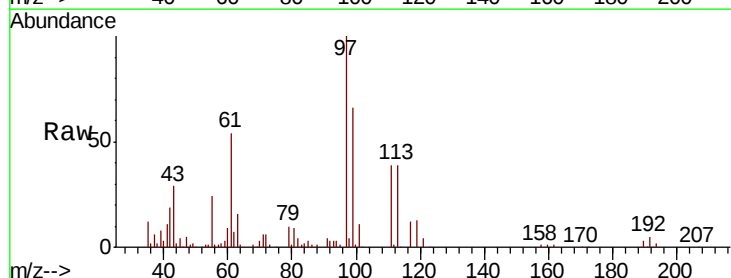
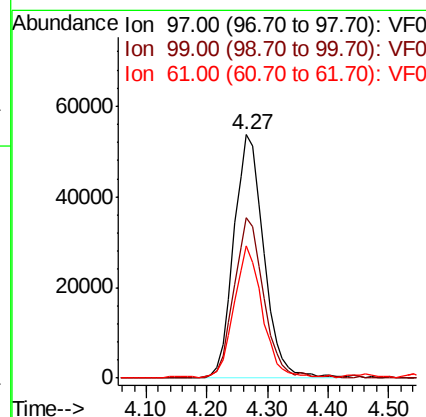
Manual Integrations
APPROVED

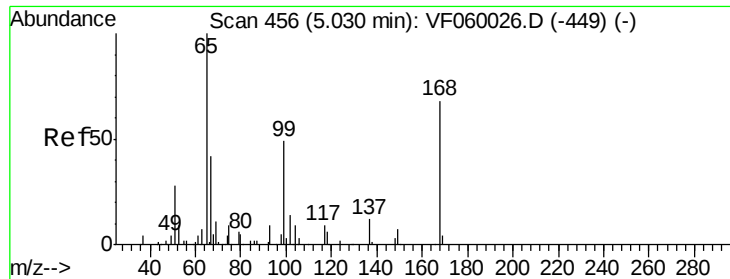
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#32
1,1,1-Trichloroethane
Concen: 61.53 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	50.3	75.5
61	54.4	40.3	60.5





#33

1,2-Dichloroethane-d4

Concen: 53.40 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 117146

Ion Ratio Lower Upper

65 100

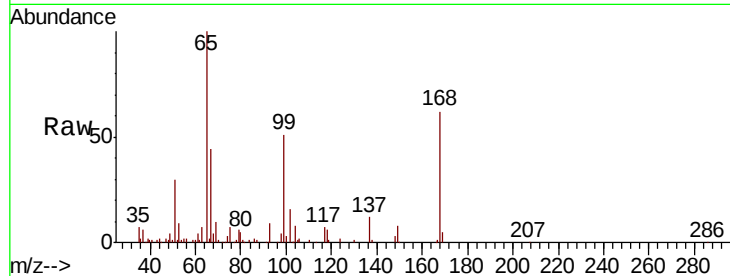
67 44.1 0.0 92.0

Manual Integrations

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

50000

40000

30000

20000

10000

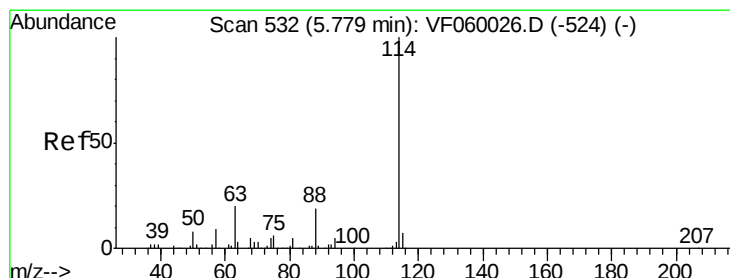
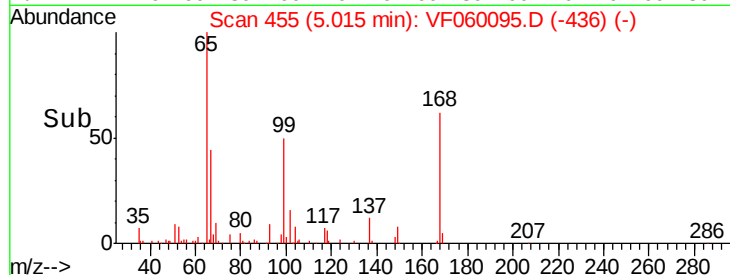
0

4.90

5.01

5.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

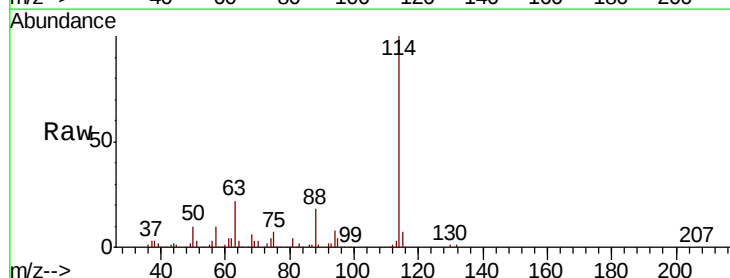
Tgt Ion: 114 Resp: 252595

Ion Ratio Lower Upper

114 100

63 22.4 0.0 40.4

88 18.1 0.0 38.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

120000

100000

80000

60000

40000

20000

0

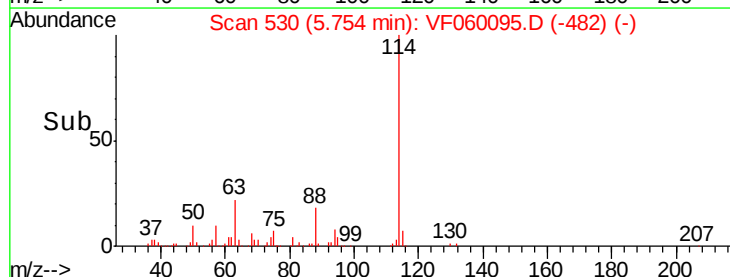
5.60

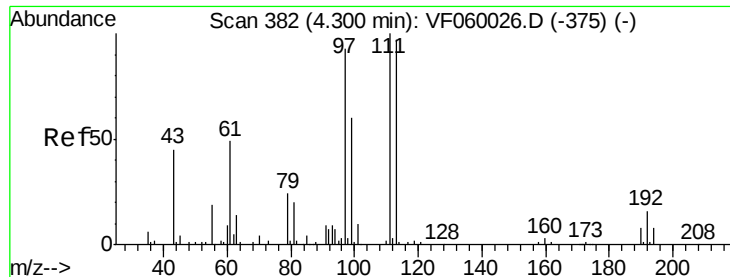
5.75

5.80

5.90

Time-->





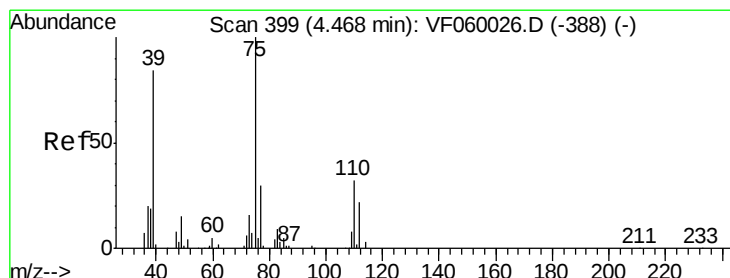
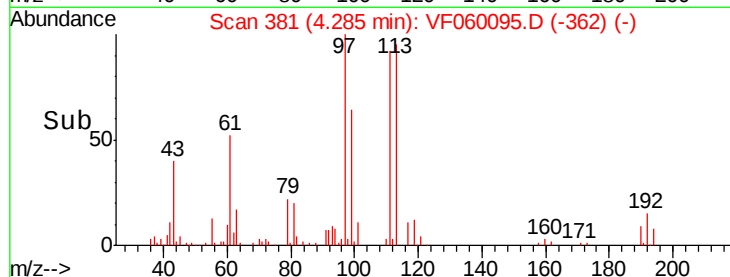
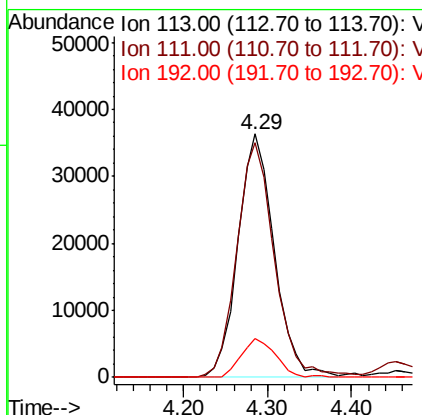
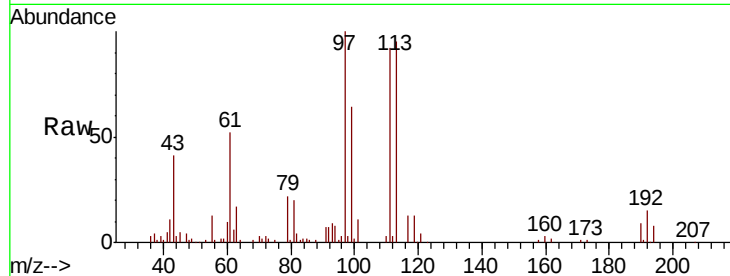
#35
 Dibromofluoromethane
 Concen: 55.06 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	109205		
111	96.6	82.7	124.1	
192	15.9	13.0	19.4	

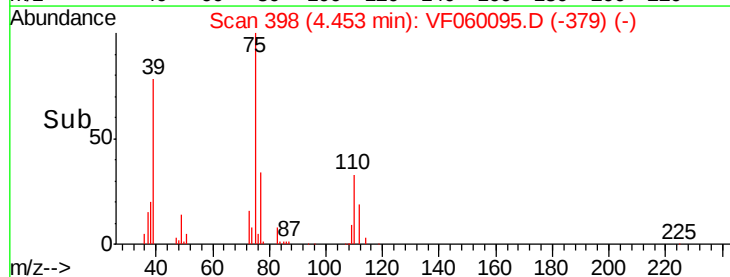
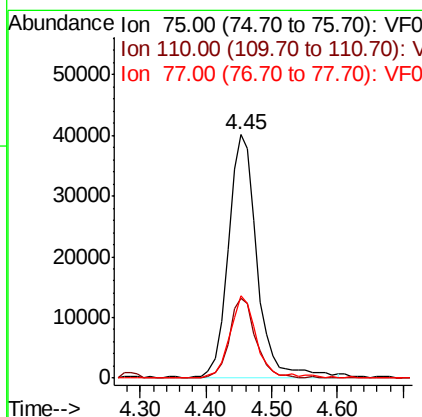
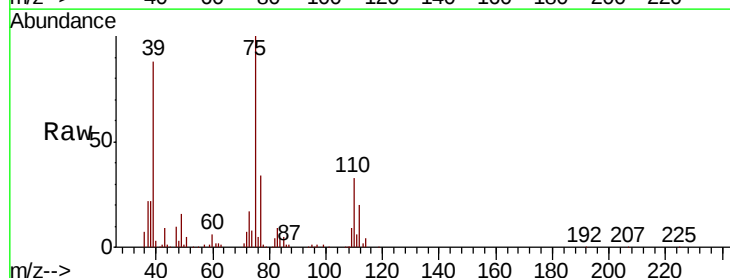
Manual Integrations
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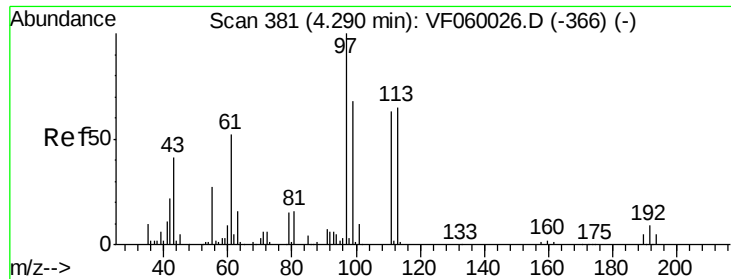
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#36
 1,1-Dichloropropene
 Concen: 51.23 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	121616		
110	32.6	16.0	47.9	
77	33.8	24.1	36.1	





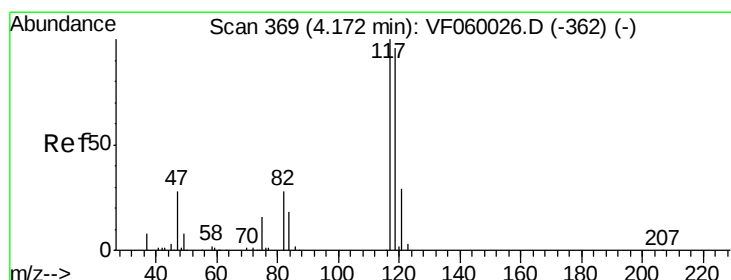
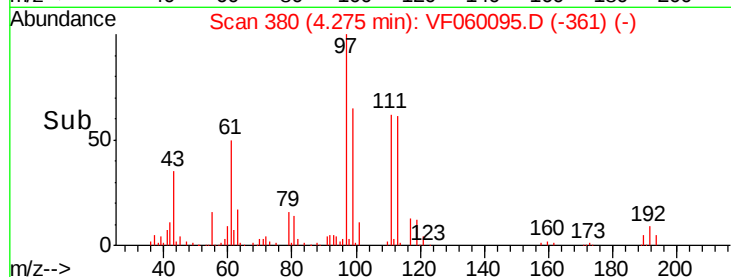
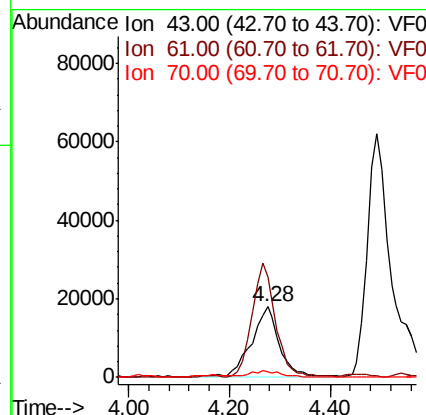
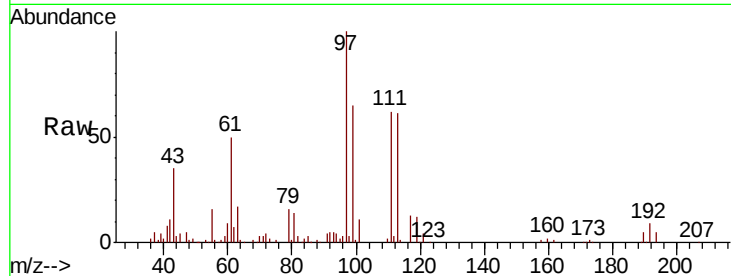
#37
Ethyl Acetate
Concen: 50.21 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	142.5	101.5	152.3			
70	8.2	6.4	9.6			

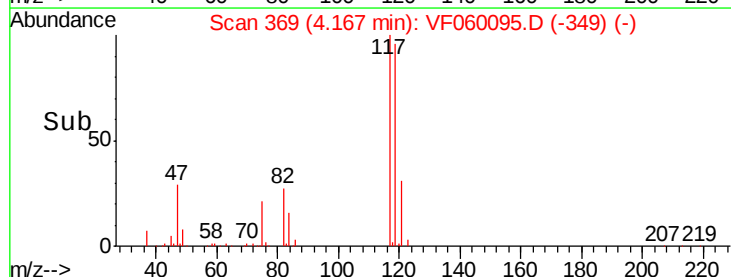
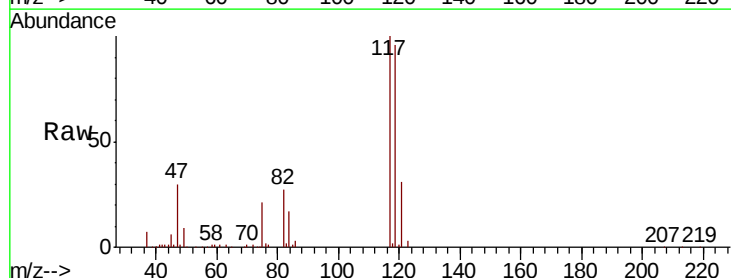
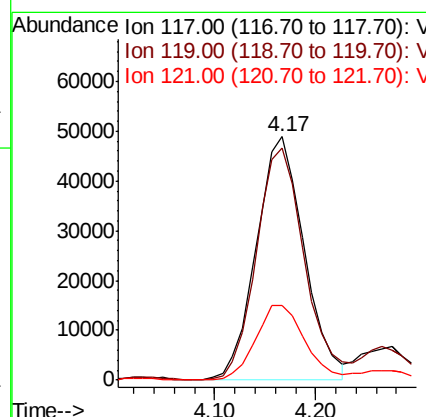
Manual Integrations
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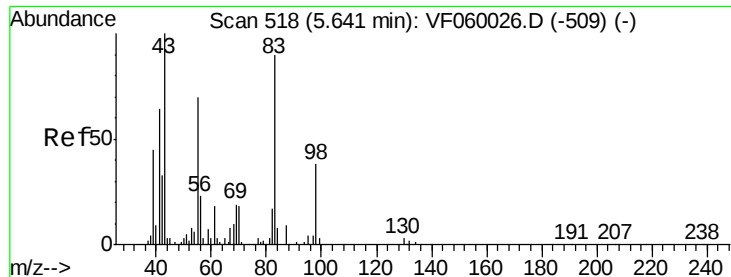
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#38
Carbon Tetrachloride
Concen: 58.88 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	95.6	76.5	114.7			
121	30.5	23.0	34.6			





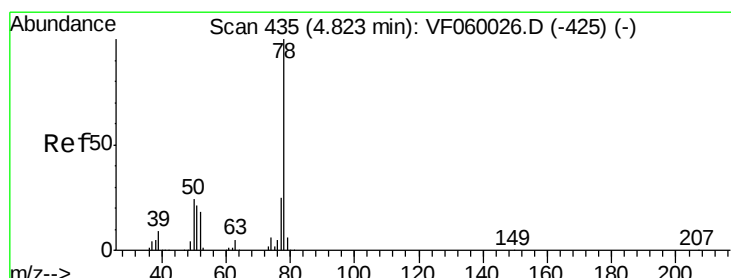
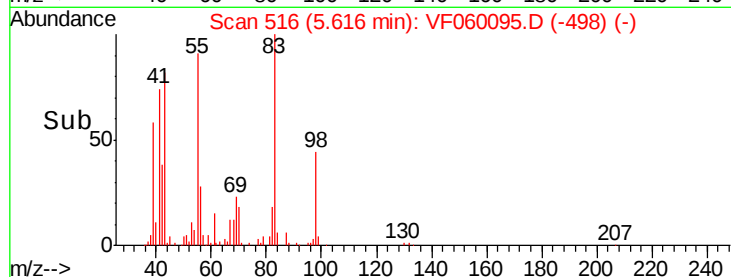
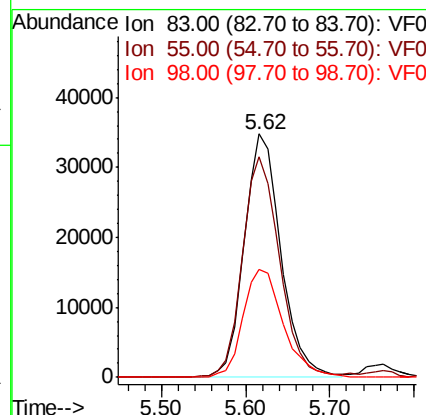
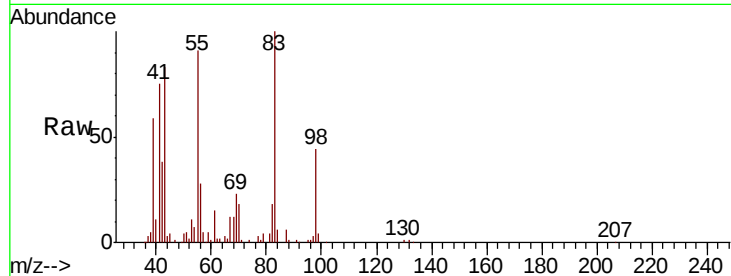
#39
Methvlcvclohexane
Concen: 47.78 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.7	62.7	94.1
98	44.3	33.8	50.8

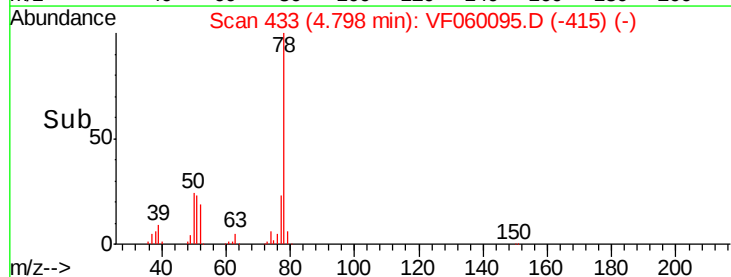
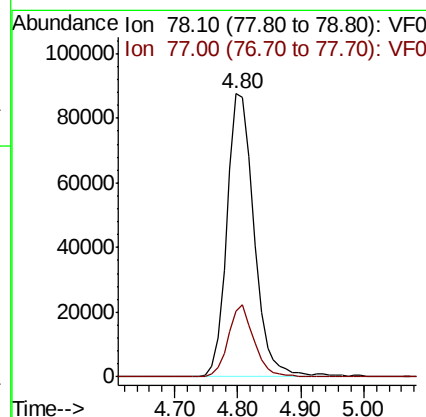
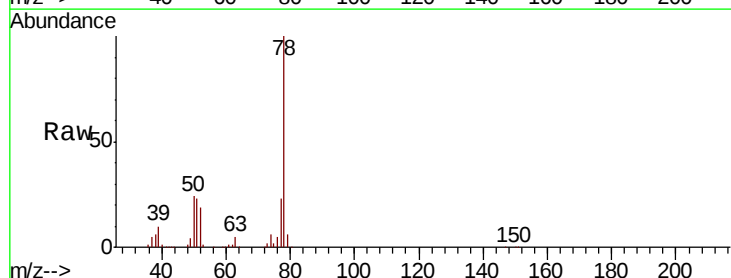
Manual Integrations
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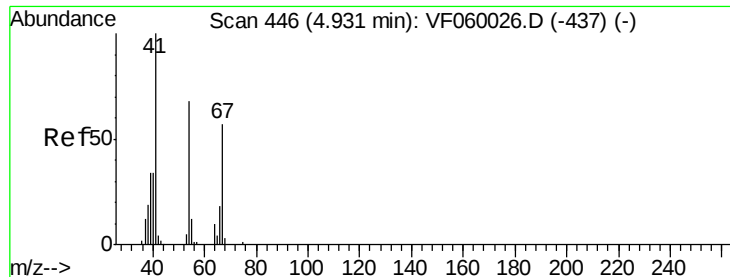
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#40
Benzene
Concen: 50.61 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.8	29.6





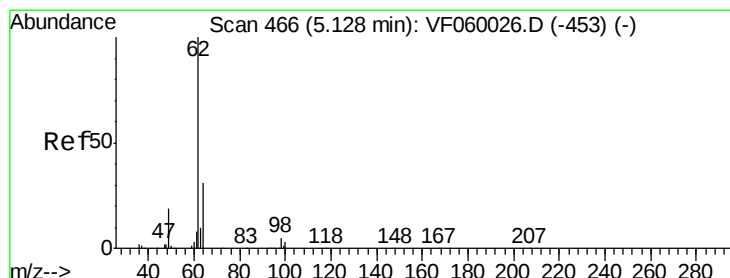
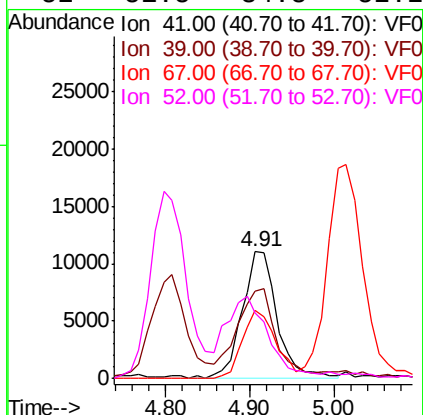
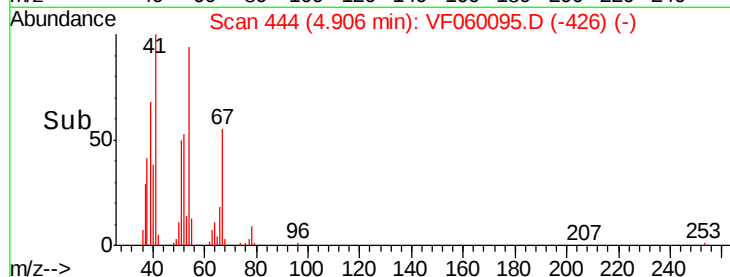
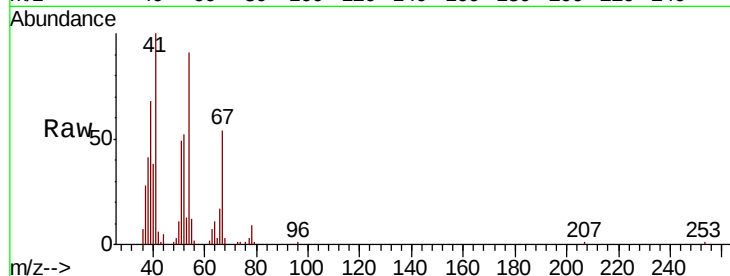
#41
Methacrylonitrile
Concen: 44.63 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.02 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	32047
Ion	Ratio	Lower	Upper
41	100		
39	68.5	52.9	79.3
67	53.7	45.3	67.9
52	51.5	34.8	52.2

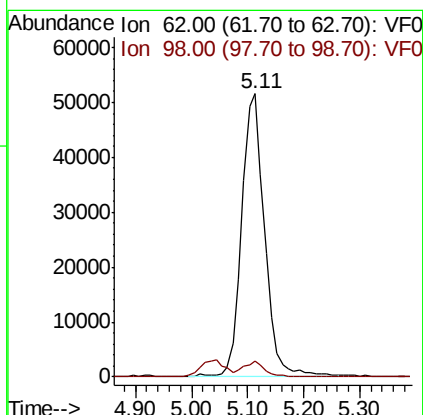
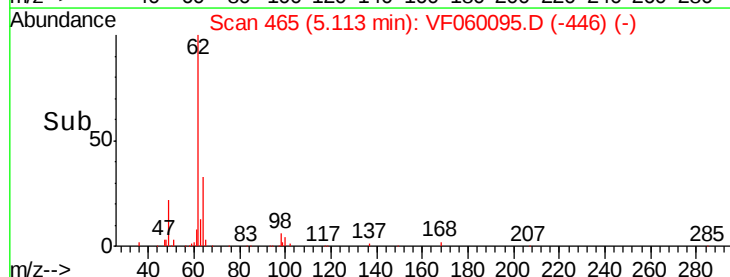
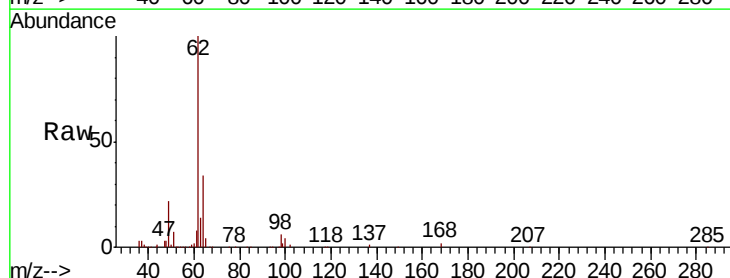
Manual Integrations
APPROVED

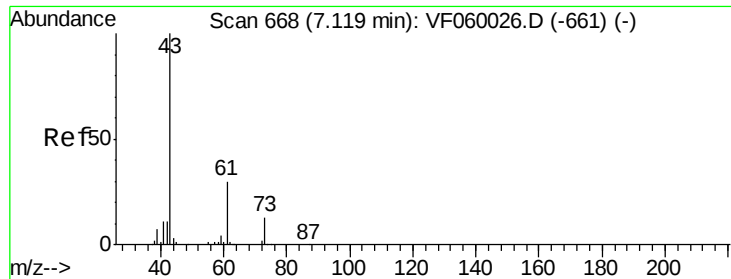
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#42
1,2-Dichloroethane
Concen: 52.80 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion:	62	Resp:	146820
Ion	Ratio	Lower	Upper
62	100		
98	5.5	0.0	11.2





#43

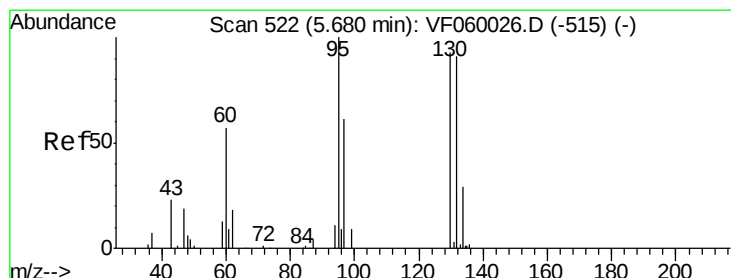
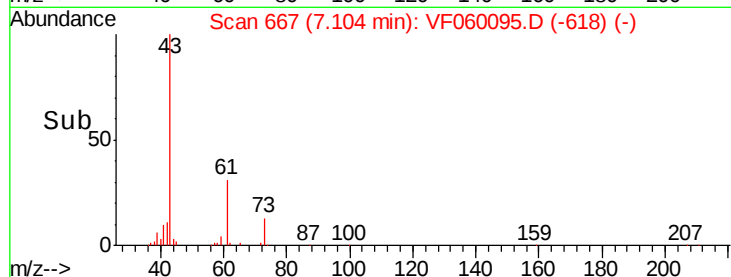
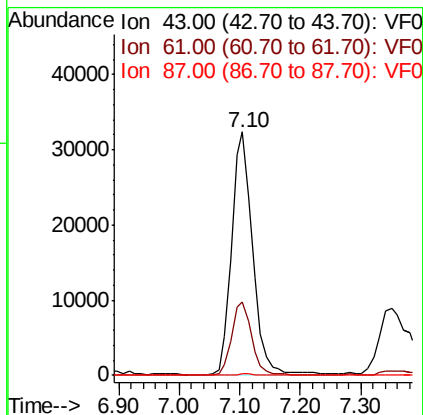
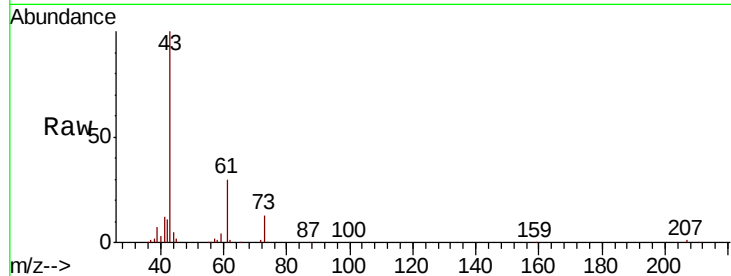
Isopropyl Acetate
 Concen: 44.10 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.3	23.8	35.6
87	0.5	0.2	0.4

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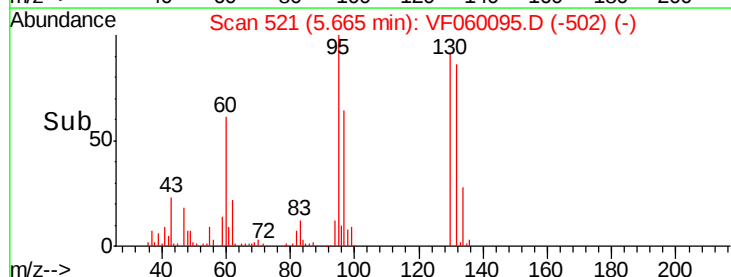
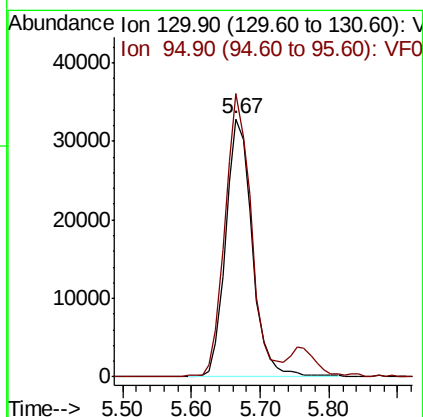
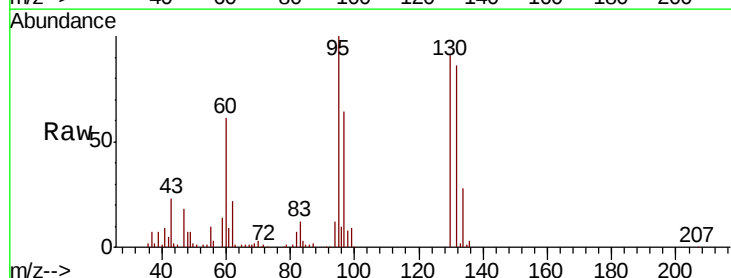
apatel
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#44

Trichloroethene
 Concen: 51.04 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.7	0.0	215.8





#45

1,2-Dichloropropane

Concen: 53.35 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 78249

Ion Ratio Lower Upper

63 100

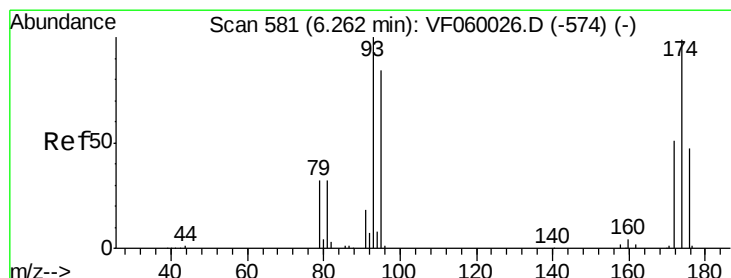
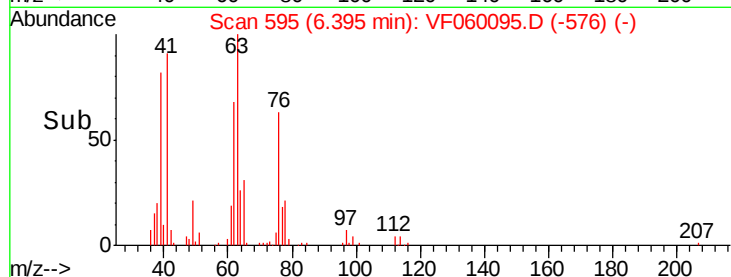
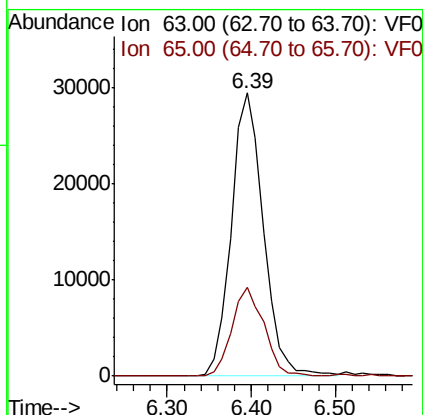
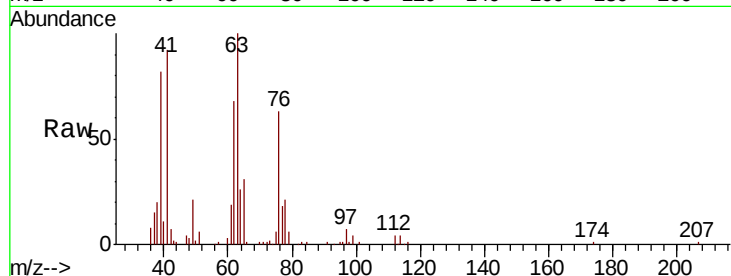
65 31.2 23.8 35.6

Manual Integrations

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#46

Dibromomethane

Concen: 54.82 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

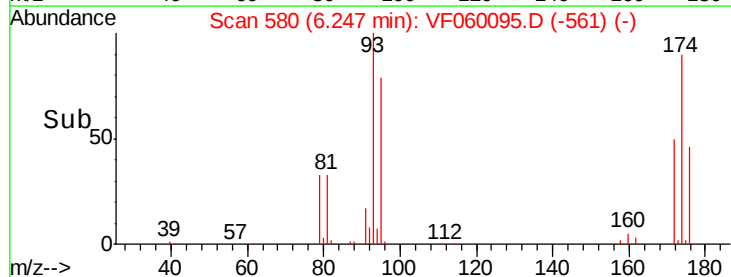
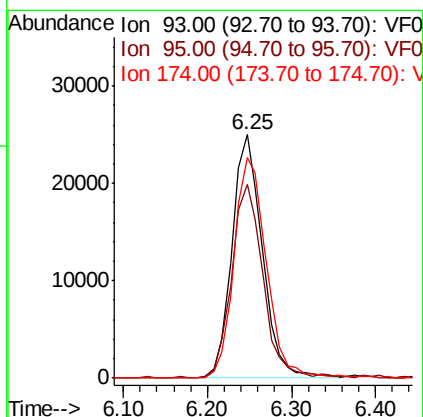
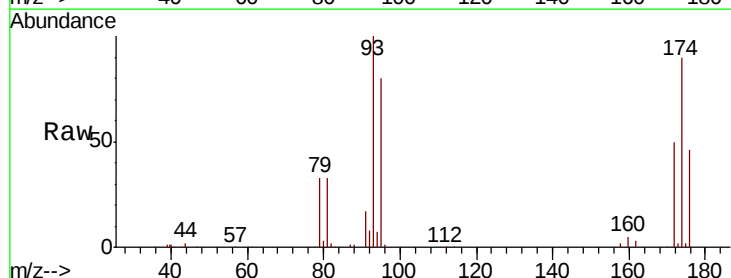
Tgt Ion: 93 Resp: 62913

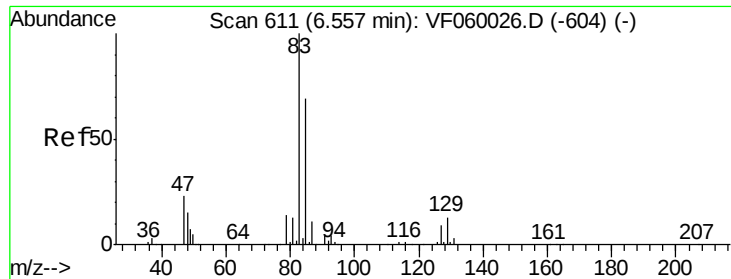
Ion Ratio Lower Upper

93 100

95 79.6 67.1 100.7

174 90.3 79.0 118.4





#47

Bromodichloromethane

Concen: 57.12 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

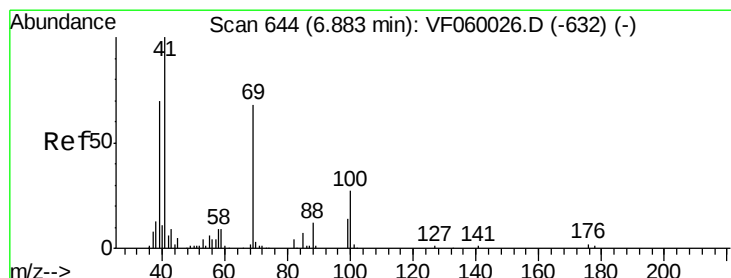
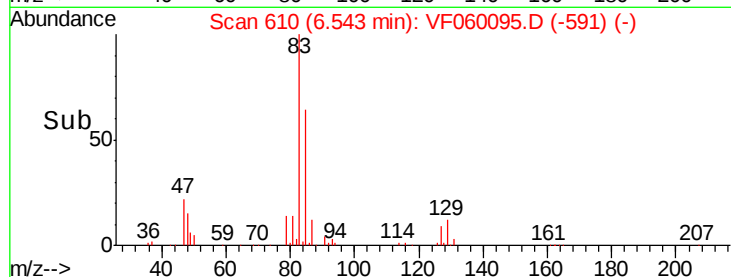
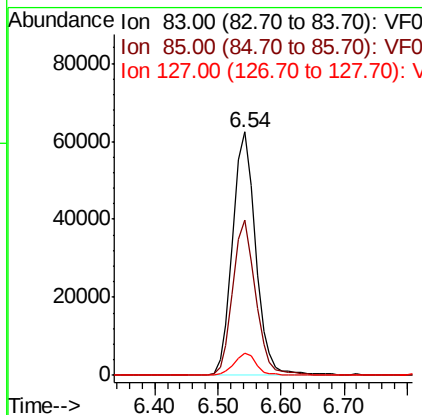
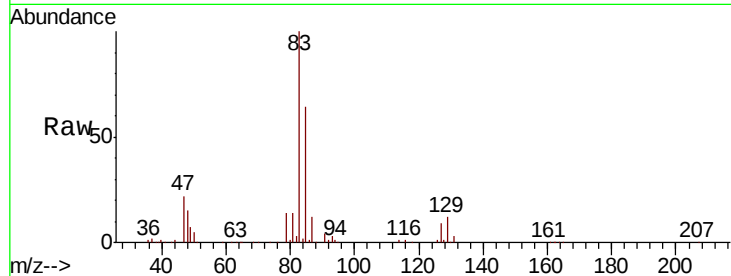
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	158343
Ion Ratio	Lower	Upper	
83	100		
85	63.9	55.2	82.8
127	9.7	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.84 ug/l

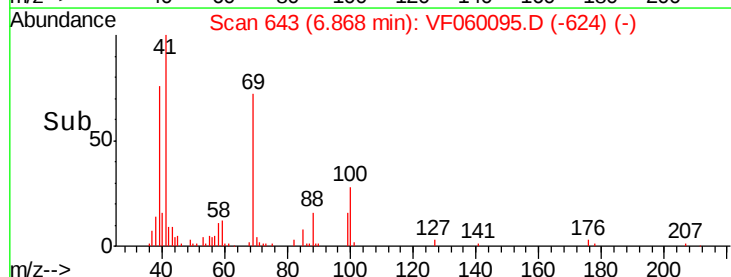
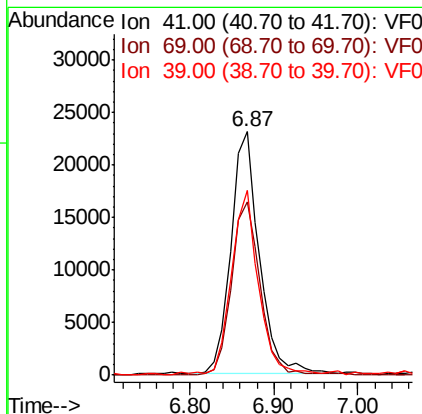
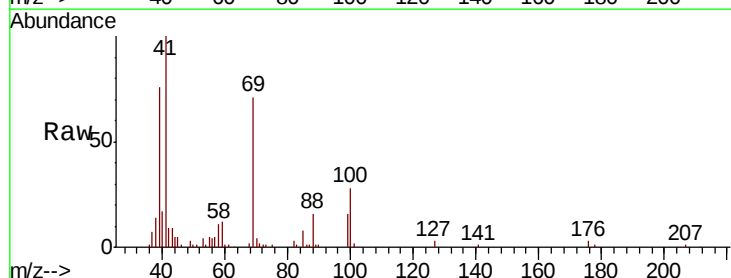
RT: 6.87 min Scan# 643

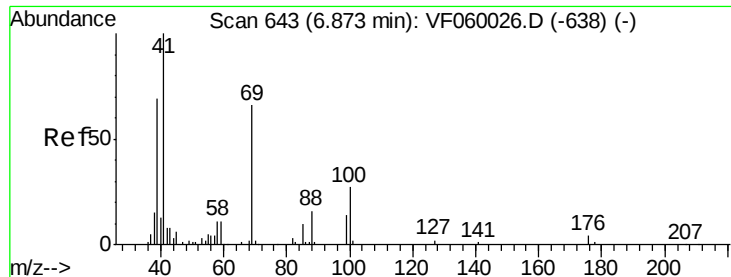
Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Tgt Ion:	41	Resp:	54203
Ion Ratio	Lower	Upper	
41	100		
69	71.2	54.6	81.8
39	75.7	56.5	84.7





#49

1,4-Dioxane

Concen: 1058.22 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

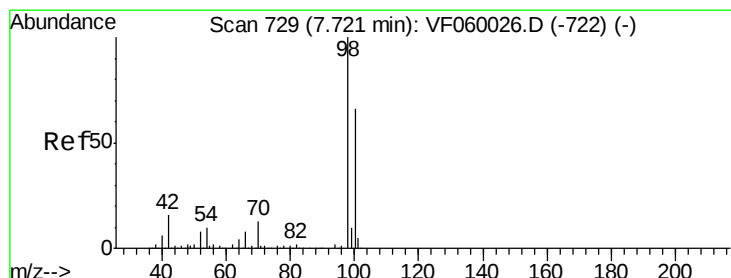
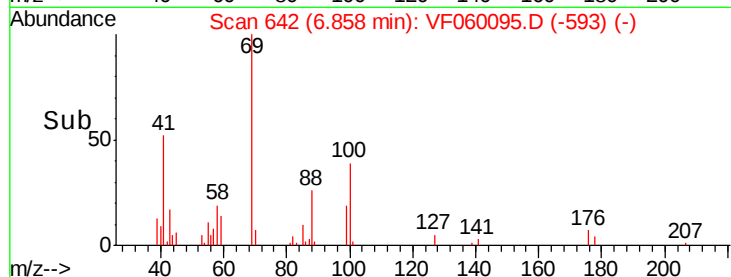
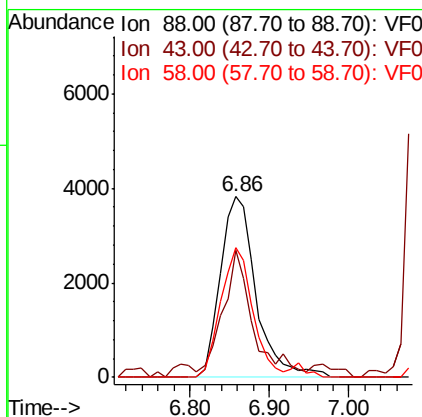
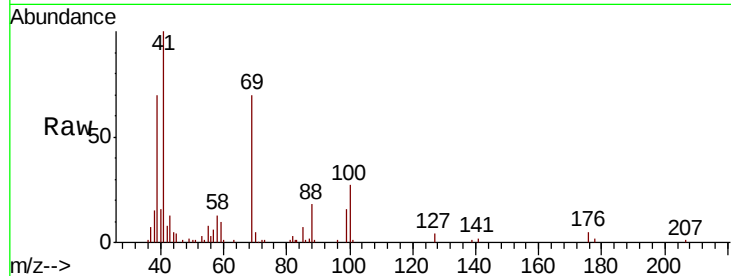
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	12011
Ion	Ratio	Lower	Upper
88	100		
43	70.5	46.5	69.7#
58	71.9	54.8	82.2

Manual Integrations
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#50

Toluene-d8

Concen: 50.86 ug/l

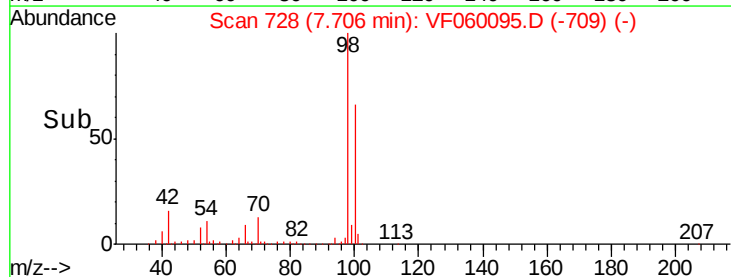
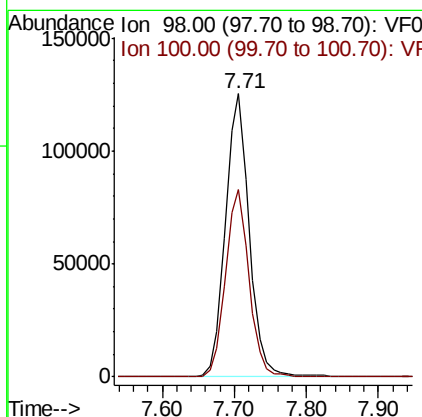
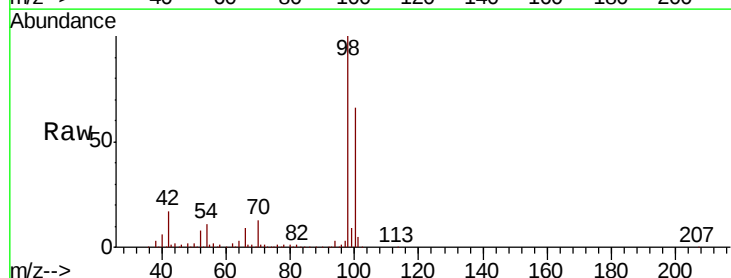
RT: 7.71 min Scan# 728

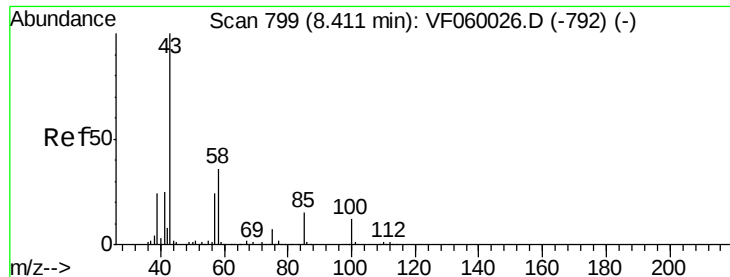
Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Tgt Ion:	98	Resp:	286489
Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 240.05 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 370392

Ion Ratio Lower Upper

43 100

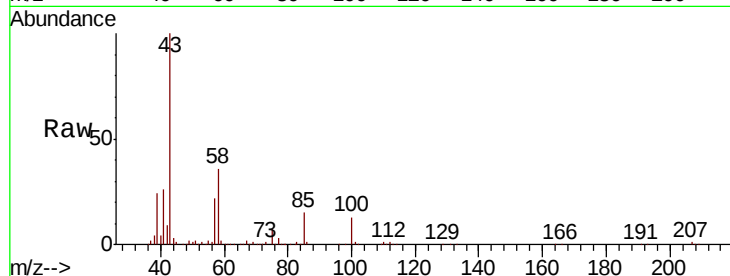
58 36.5 28.6 42.8

Manual Integrations

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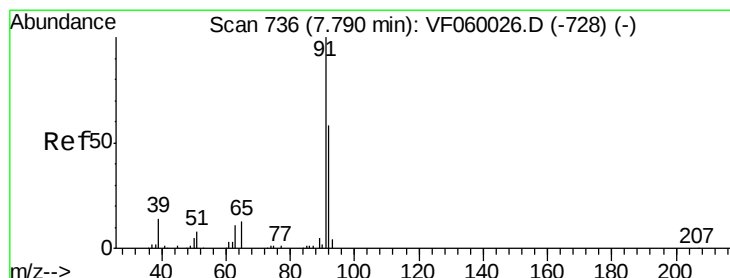
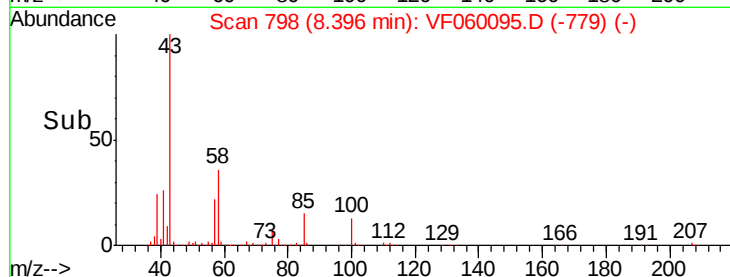
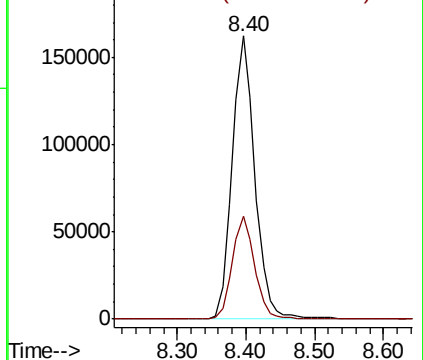
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 60.64 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060095.D

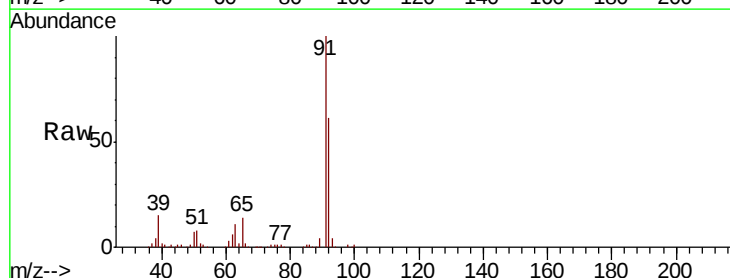
Acq: 24 Aug 2018 12:39

Tgt Ion: 92 Resp: 198797

Ion Ratio Lower Upper

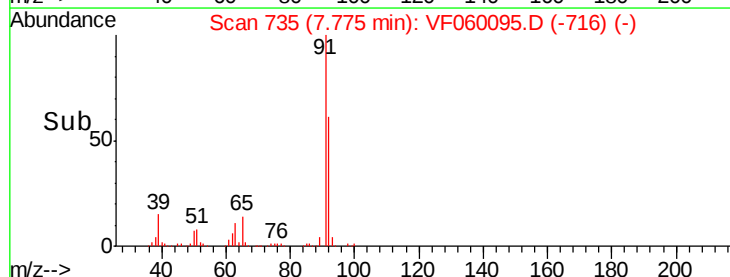
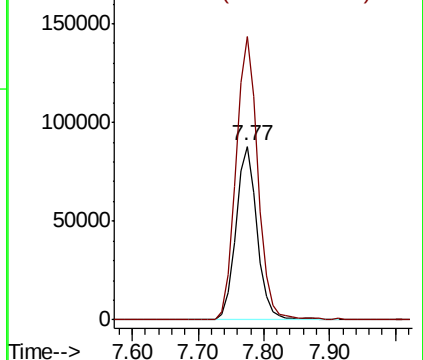
92 100

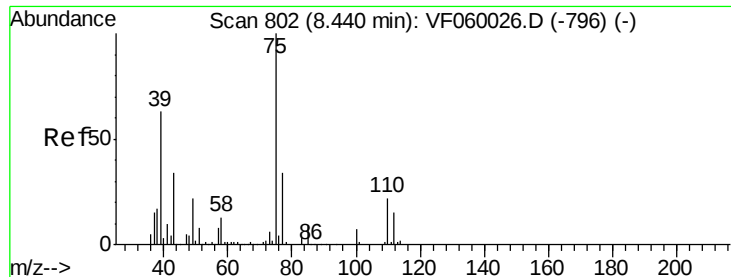
91 163.3 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





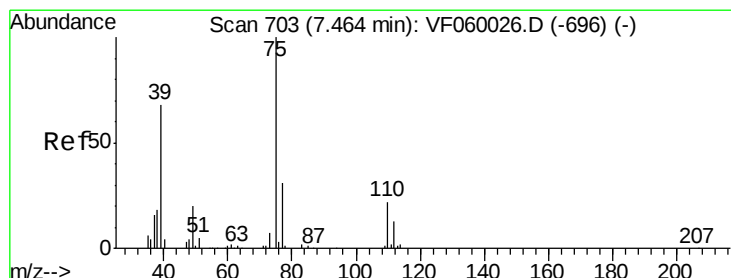
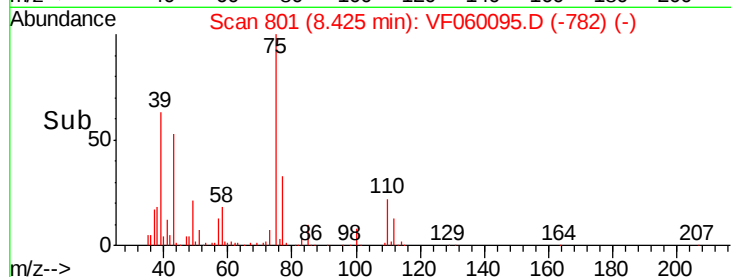
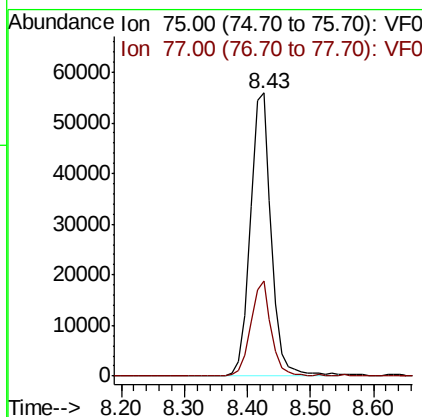
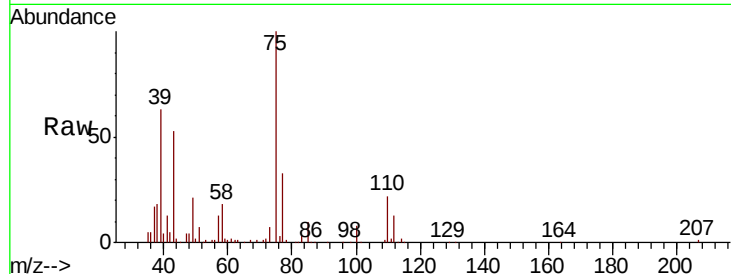
#53
 t-1,3-Dichloropropene
 Concen: 51.82 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 130266
 Ion Ratio Lower Upper
 75 100
 77 33.5 27.4 41.2

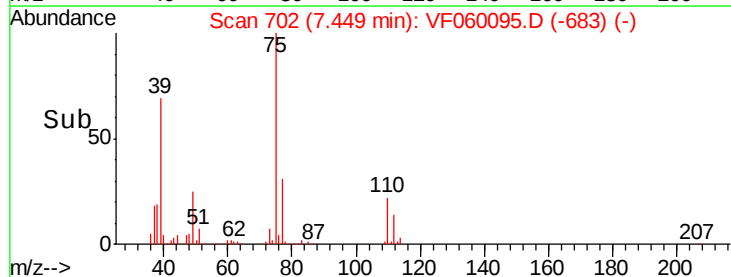
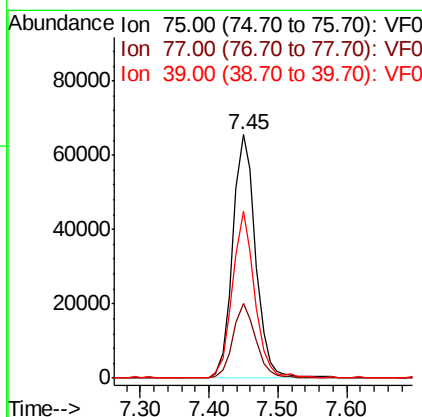
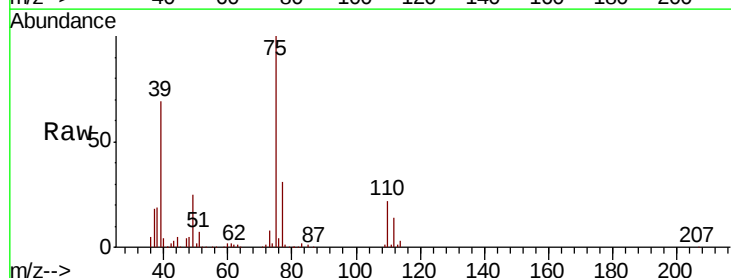
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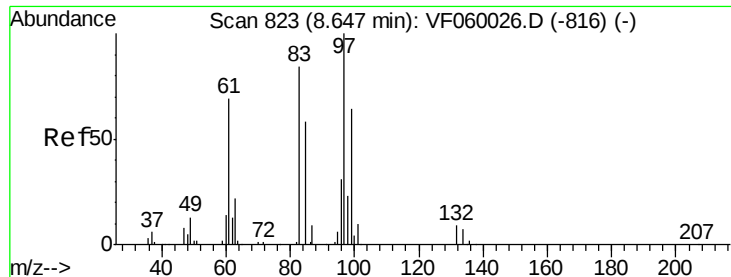
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#54
 cis-1,3-Dichloropropene
 Concen: 54.05 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Tgt Ion: 75 Resp: 151641
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.6 37.0
 39 68.6 54.6 81.8





#55

1,1,2-Trichloroethane

Concen: 54.18 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

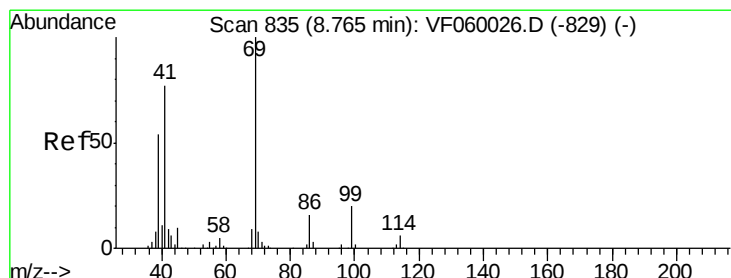
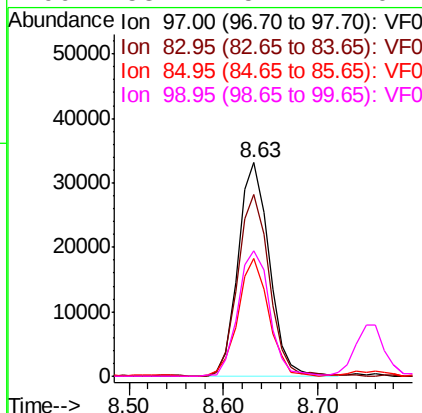
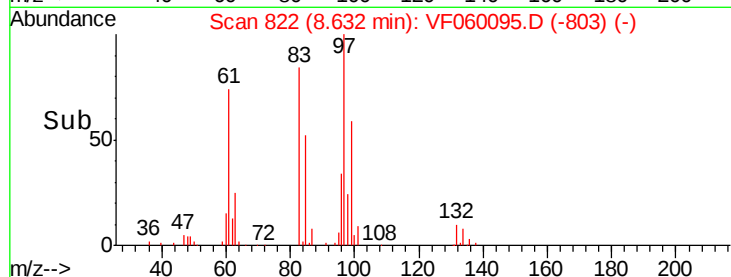
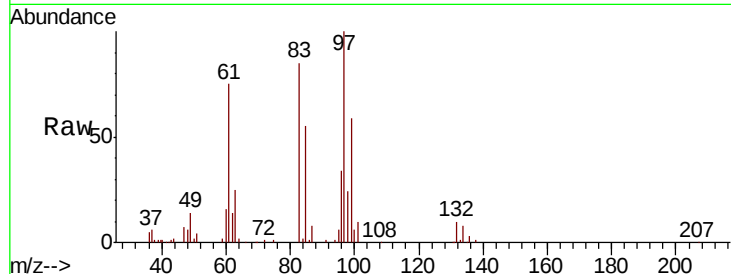
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	75801
Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.4	101.2
85	55.1	46.2	69.2
99	58.7	51.1	76.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 48.83 ug/l

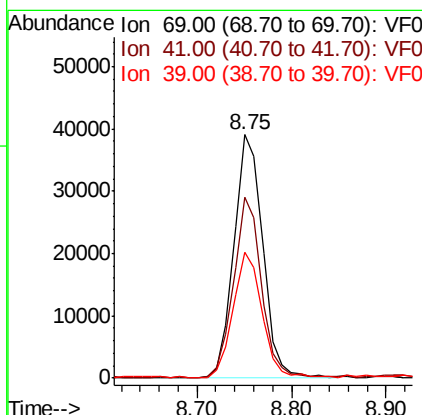
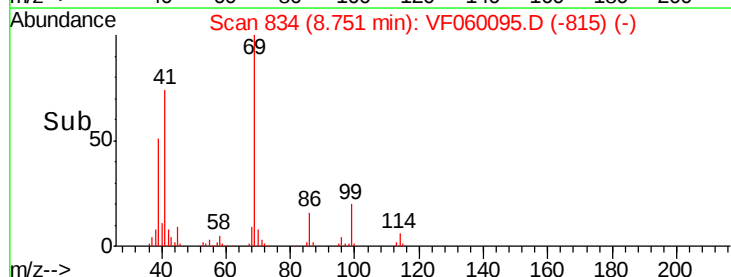
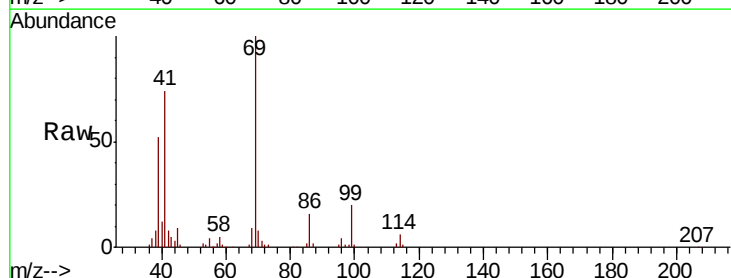
RT: 8.75 min Scan# 834

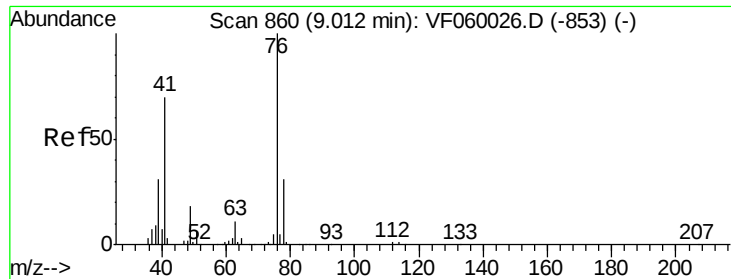
Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Tgt Ion:	69	Resp:	82696
Ion	Ratio	Lower	Upper
69	100		
41	74.3	61.6	92.4
39	51.5	43.9	65.9





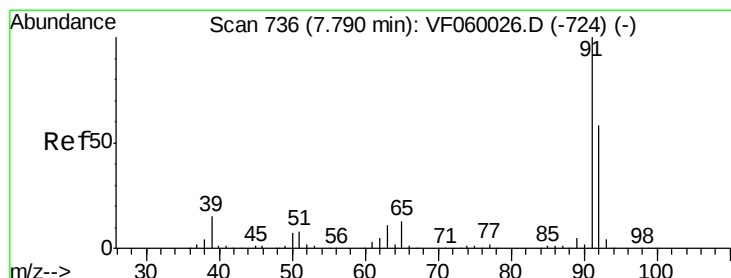
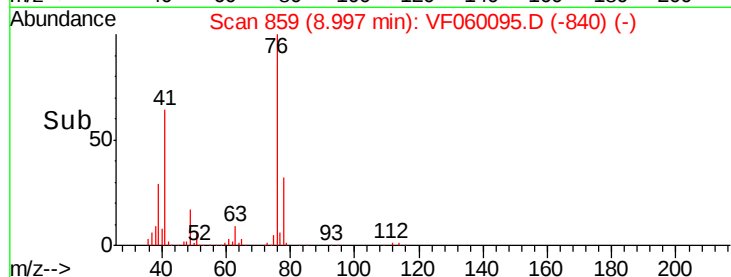
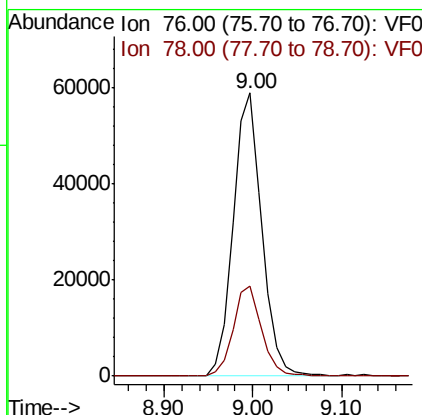
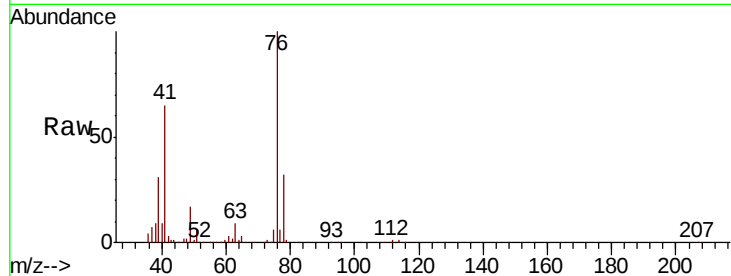
#57
 1,3-Dichloropropane
 Concen: 53.78 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.2	37.8

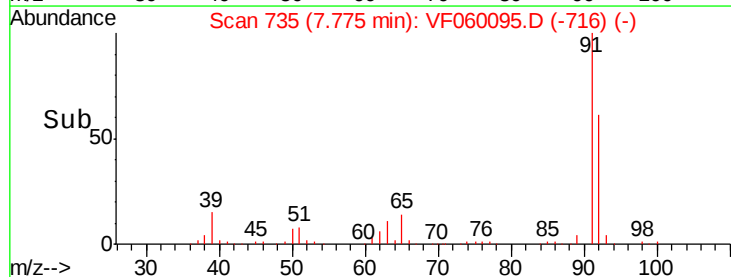
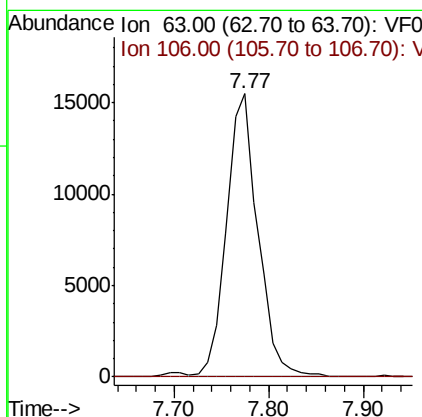
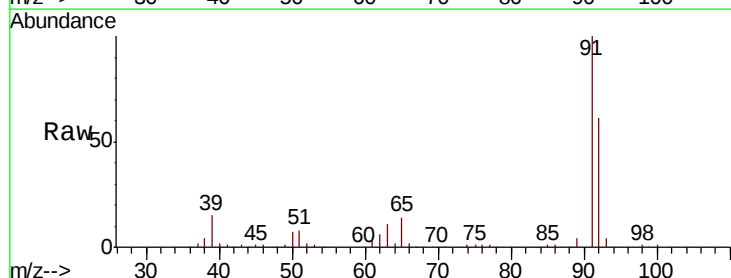
Manual Integrations
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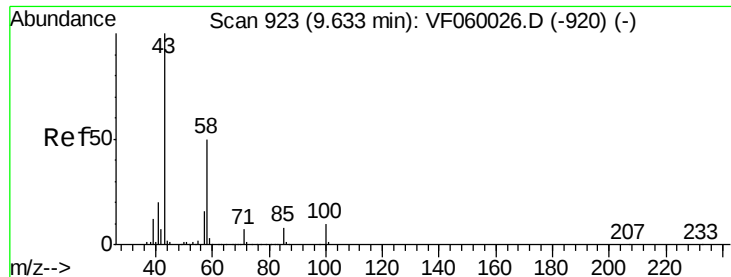
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#58
 2-Chloroethyl Vinyl ether
 Concen: 264.87 ug/l
 RT: 7.77 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





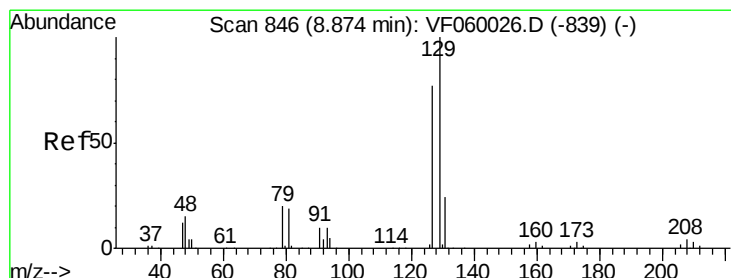
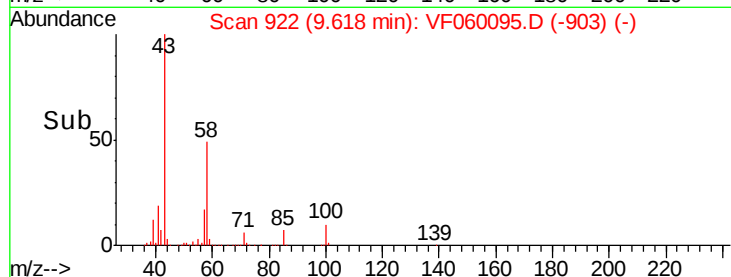
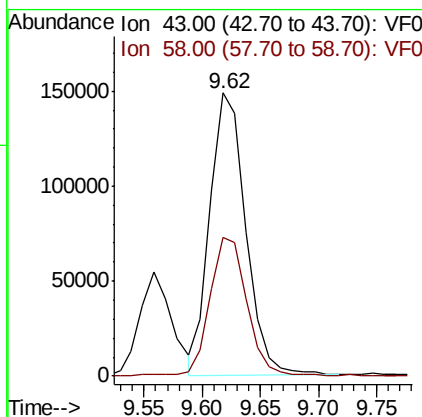
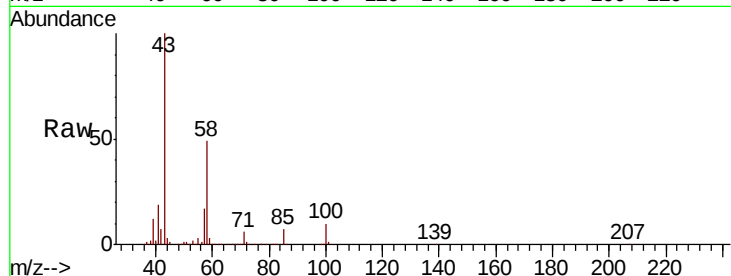
#59
2-Hexanone
Concen: 253.44 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 316500
Ion Ratio Lower Upper
43 100
58 49.0 23.4 70.2

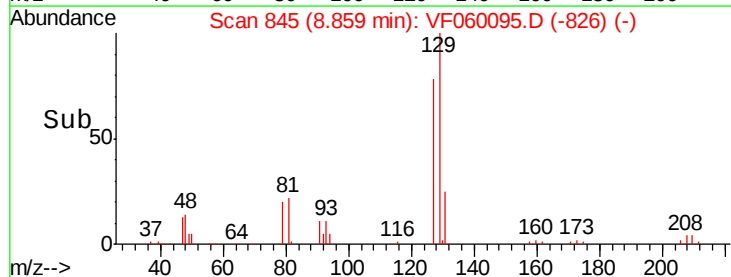
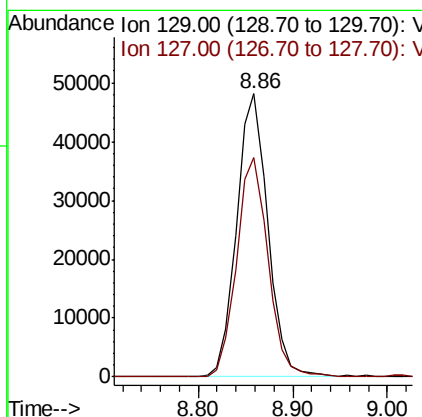
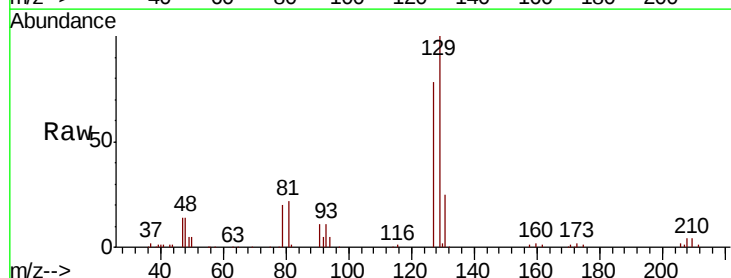
Manual Integrations
APPROVED

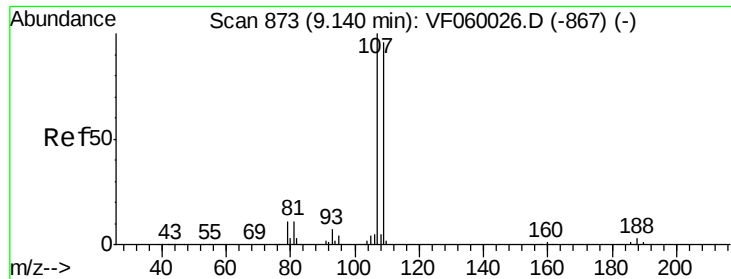
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#60
Dibromochloromethane
Concen: 53.37 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion:129 Resp: 110230
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 52.84 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 86833

Ion Ratio Lower Upper

107 100

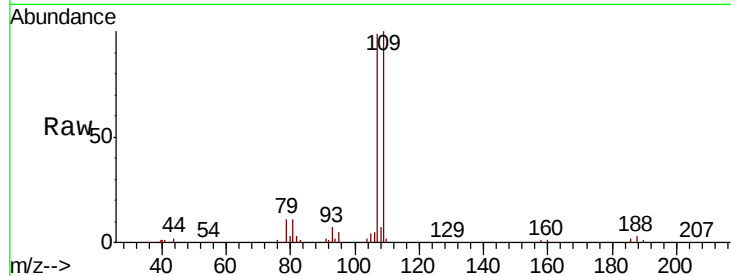
109 100.6 76.5 114.7

Manual Integrations

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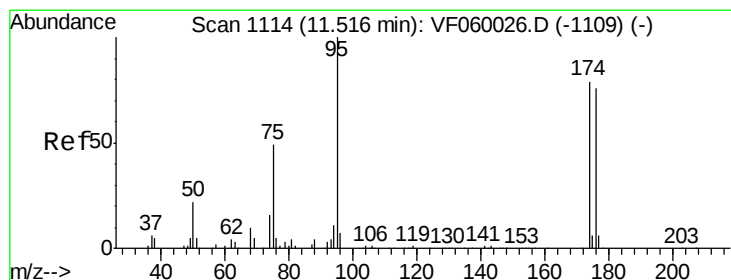
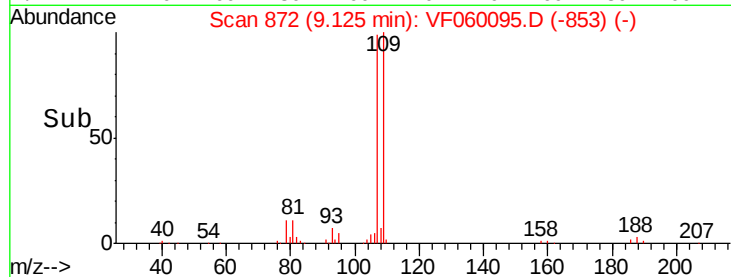
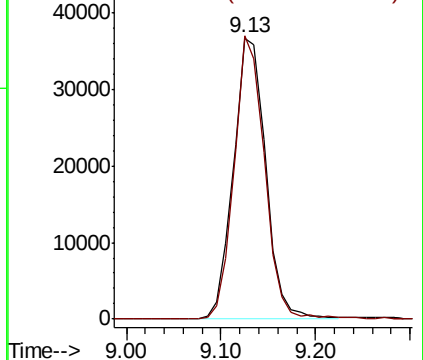
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 52.99 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

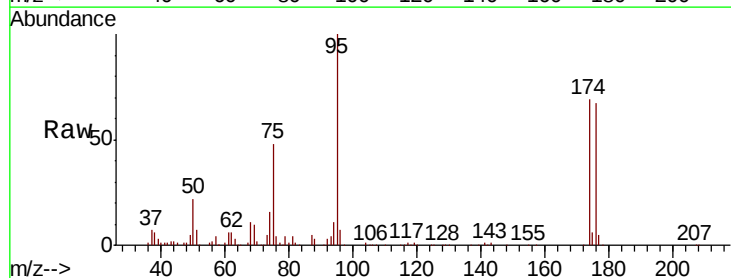
Tgt Ion: 95 Resp: 157906

Ion Ratio Lower Upper

95 100

174 69.1 0.0 158.4

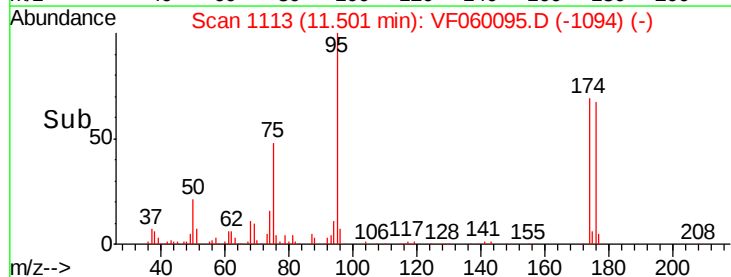
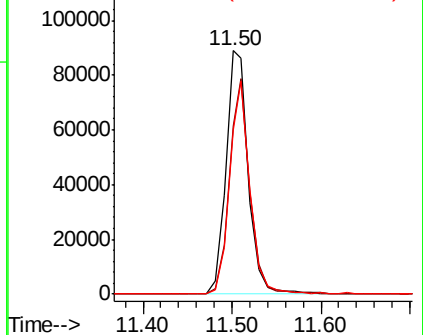
176 67.5 0.0 153.0

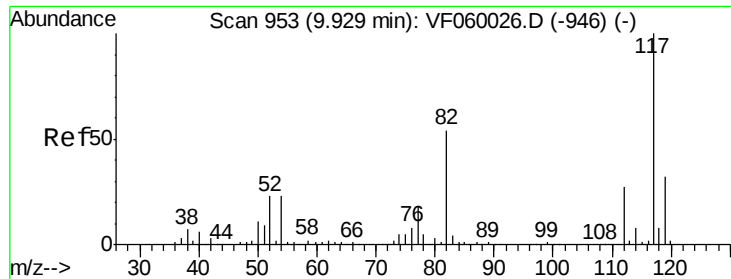


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





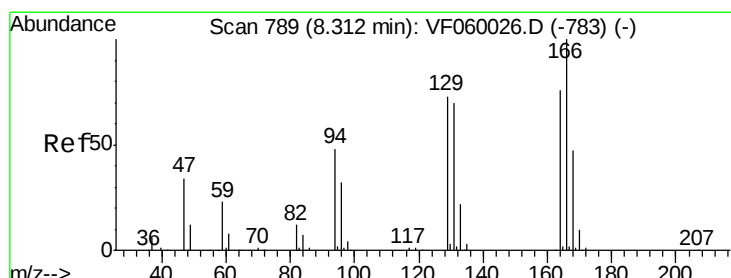
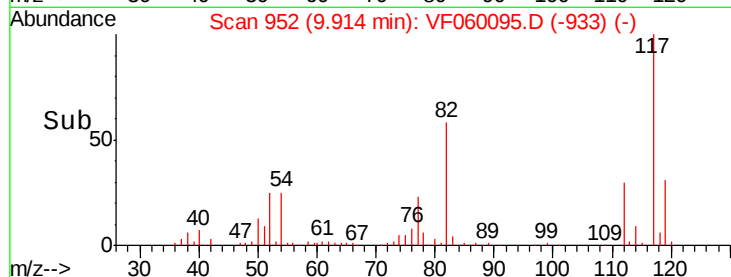
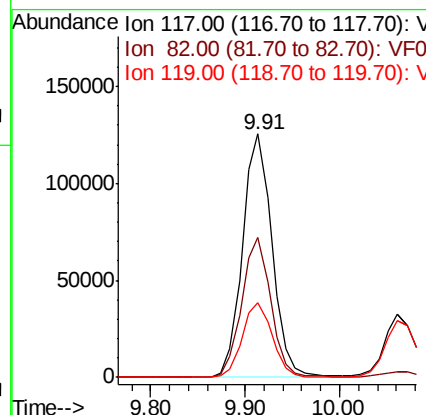
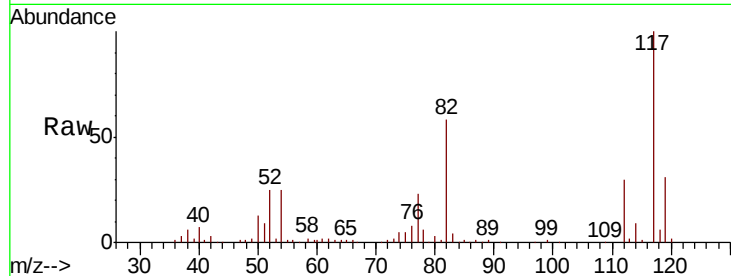
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	43.6	65.4
119	30.9	25.6	38.4

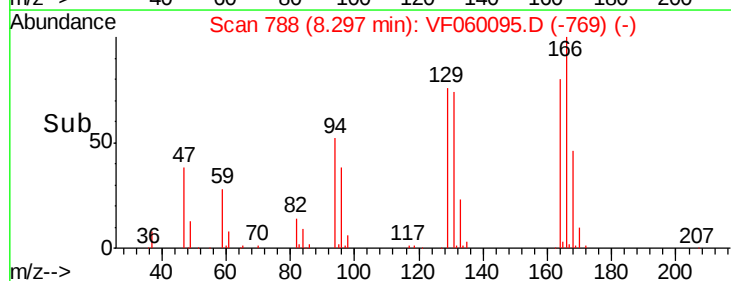
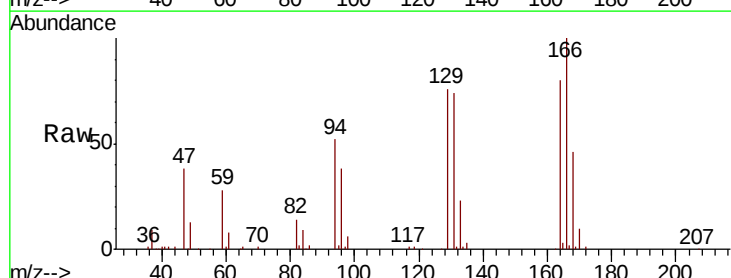
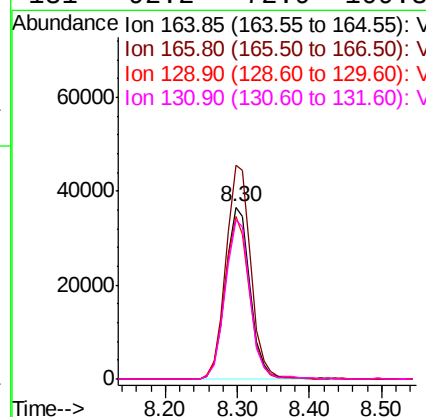
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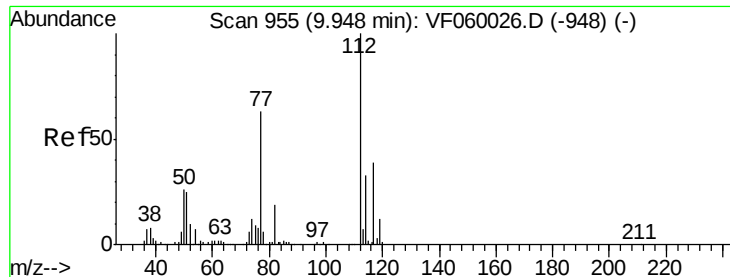
apatel
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#64
Tetrachloroethene
Concen: 47.15 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	104.7	157.1
129	94.7	77.0	115.4
131	92.2	72.9	109.3





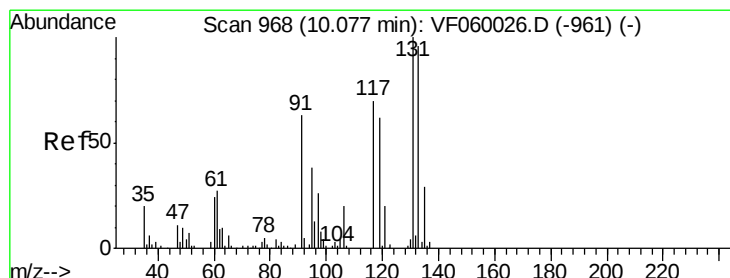
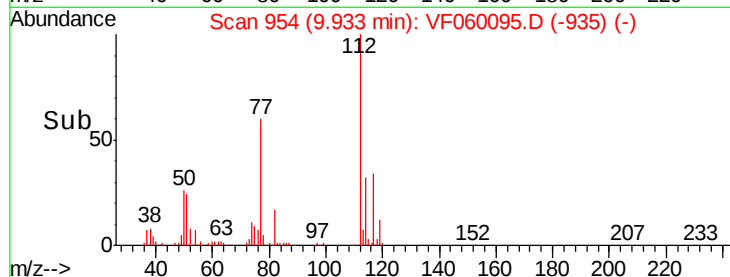
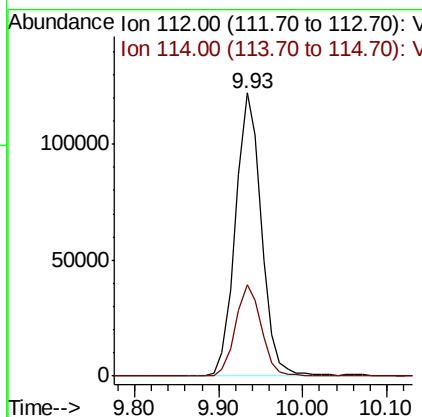
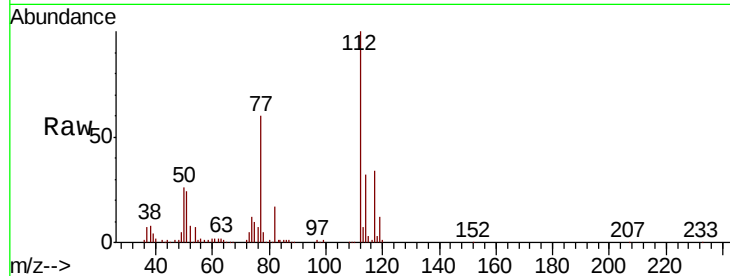
#65
Chlorobenzene
Concen: 51.17 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	262890		
114	32.1	26.2	39.2	

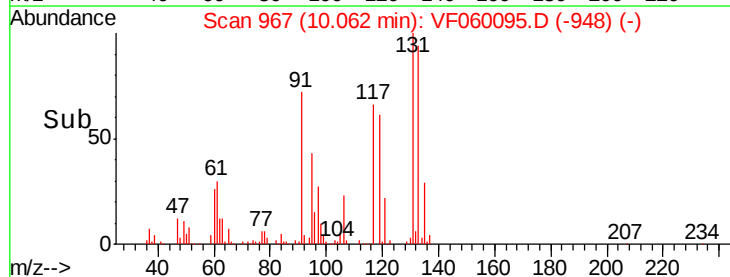
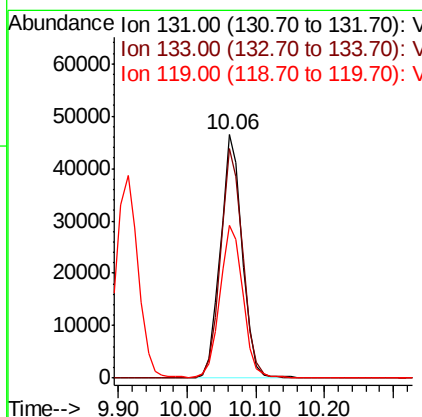
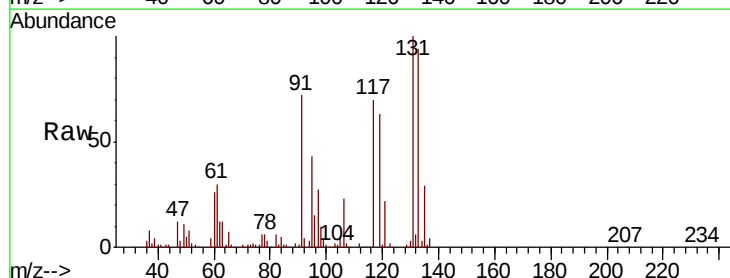
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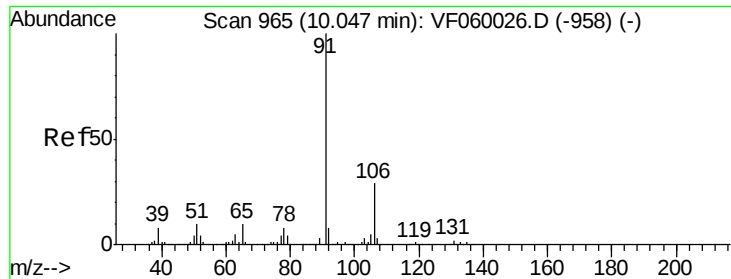
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.19 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	101701		
133	94.4	48.2	144.6	
119	62.7	31.4	94.2	





#67

Ethyl Benzene

Concen: 52.58 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 466167

Ion Ratio Lower Upper

91 100

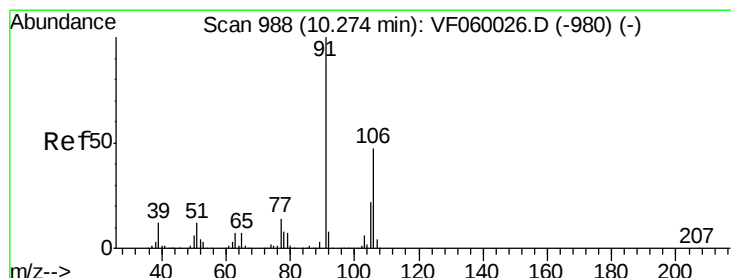
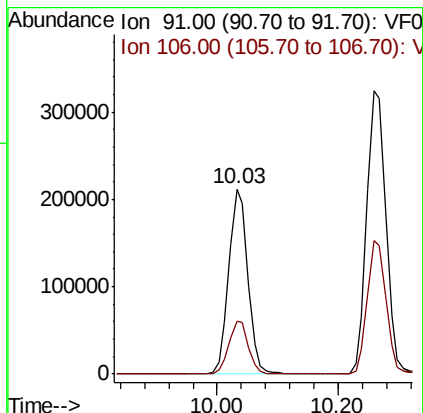
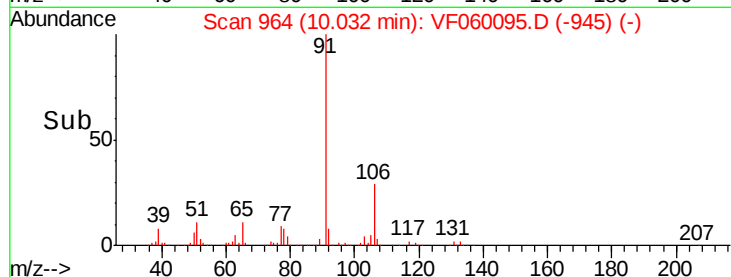
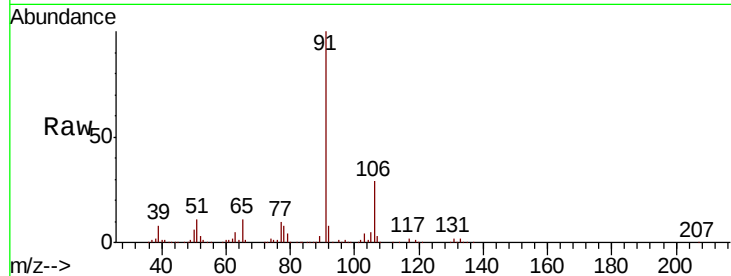
106 28.8 23.6 35.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 117.36 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF060095.D

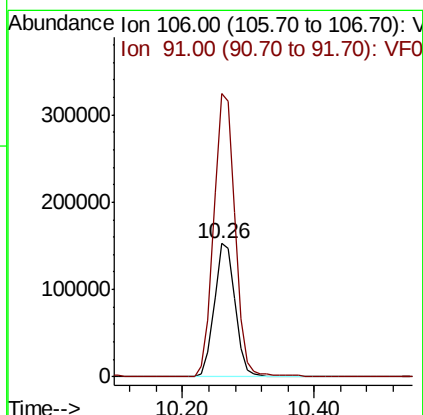
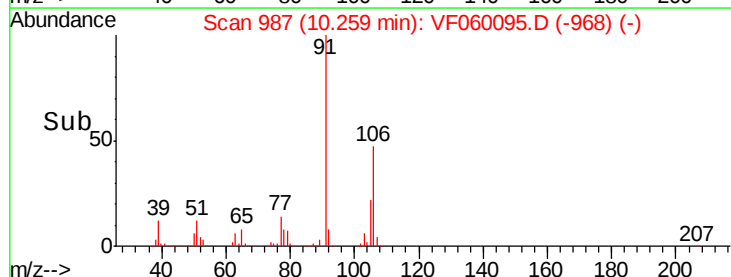
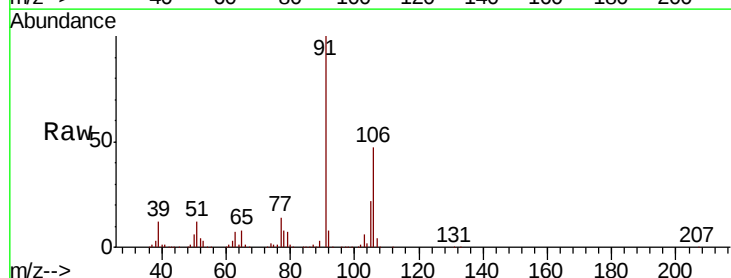
Acq: 24 Aug 2018 12:39

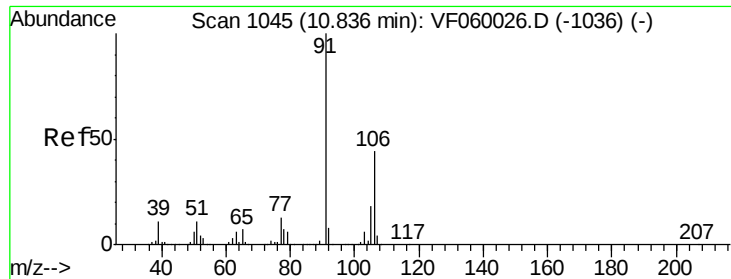
Tgt Ion: 106 Resp: 334644

Ion Ratio Lower Upper

106 100

91 212.5 171.8 257.8





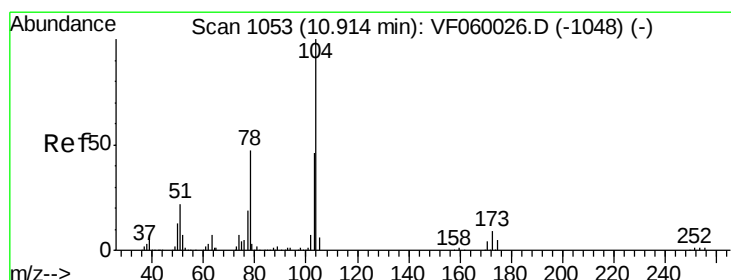
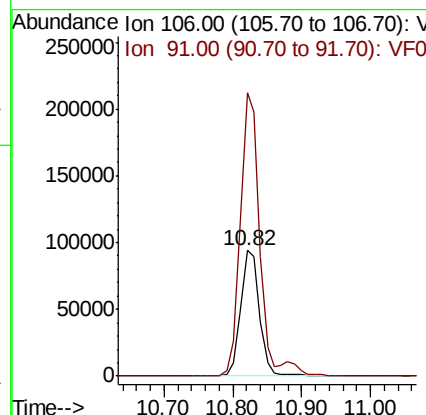
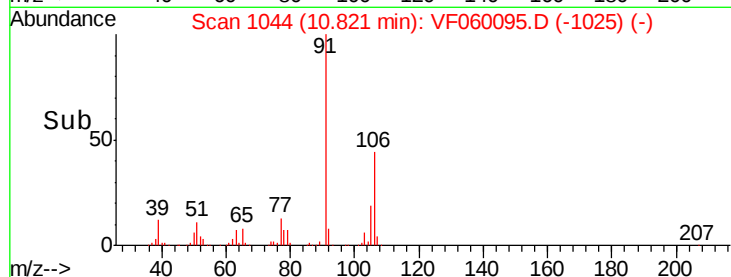
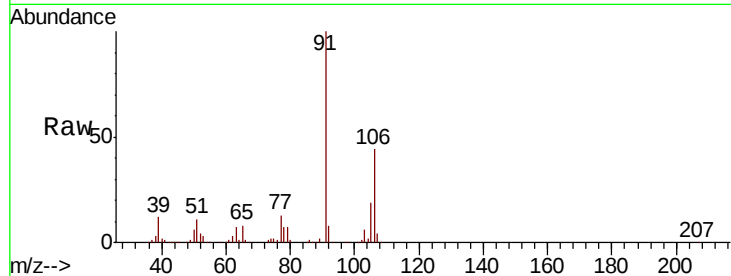
#69
o-Xylene
Concen: 51.22 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	224.9	112.5	337.5

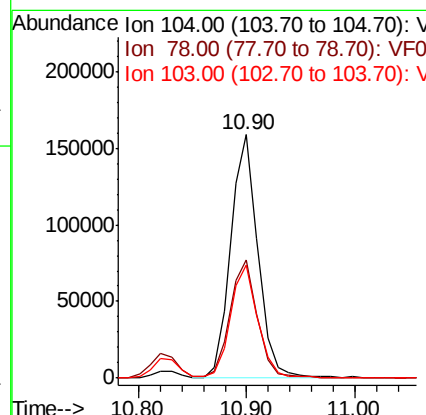
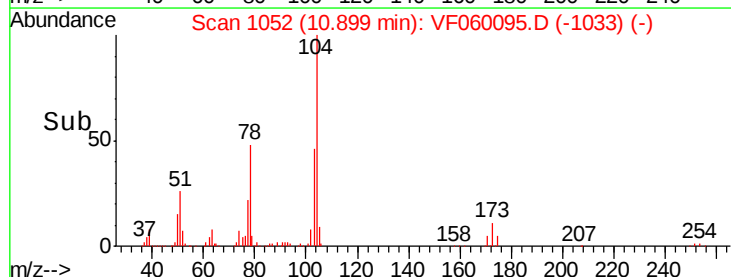
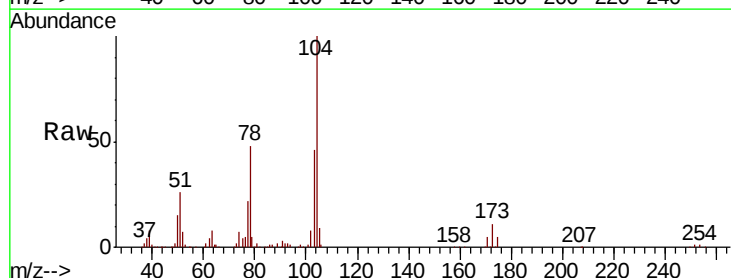
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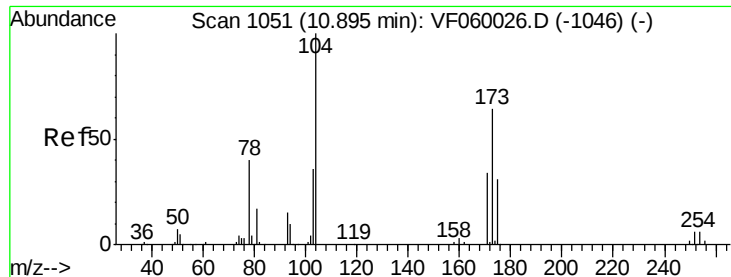
apatel
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#70
Styrene
Concen: 51.87 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.0	57.0
103	46.3	37.6	56.4





#71

Bromoform

Concen: 53.76 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 73095

Ion Ratio Lower Upper

173 100

175 45.0 24.7 74.1

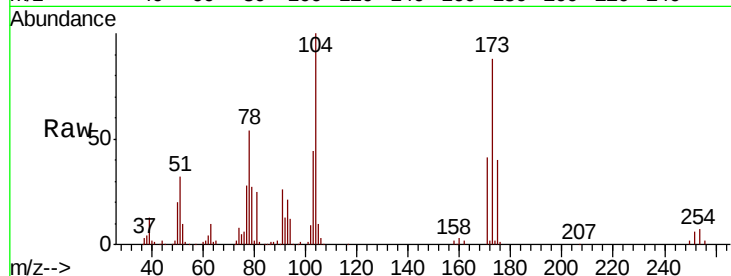
254 0.0 0.0 0.0

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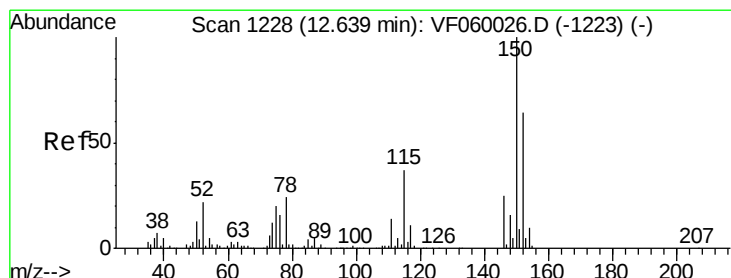
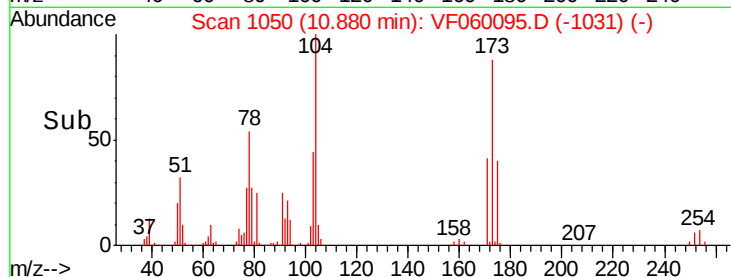
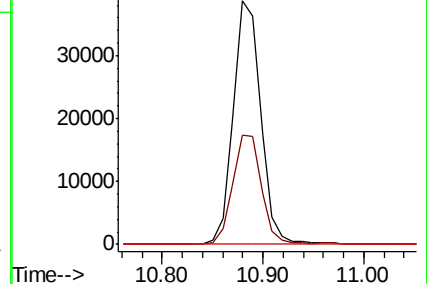
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

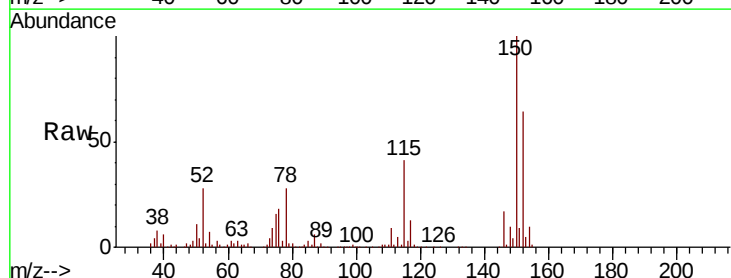
Tgt Ion:152 Resp: 167990

Ion Ratio Lower Upper

152 100

115 64.4 28.6 85.9

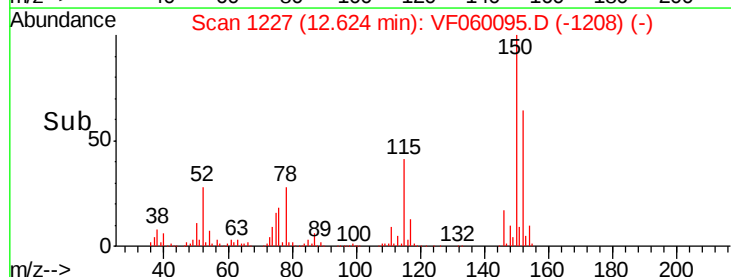
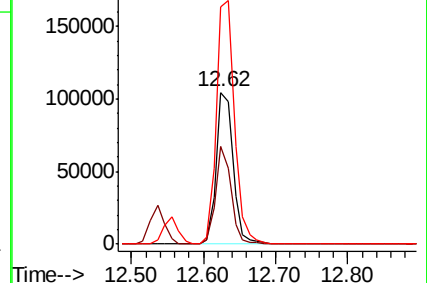
150 156.2 0.0 312.0

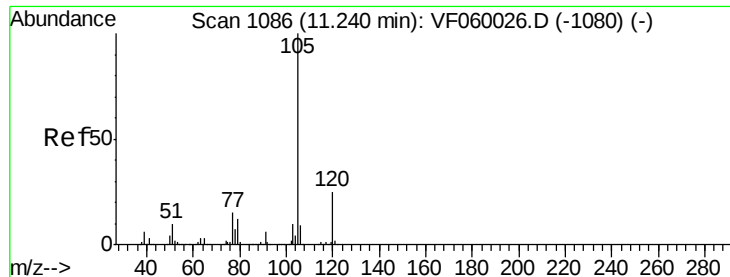


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 52.95 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 535411

Ion Ratio Lower Upper

105 100

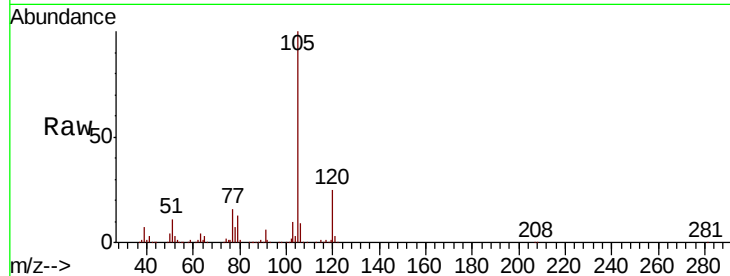
120 24.8 12.7 38.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

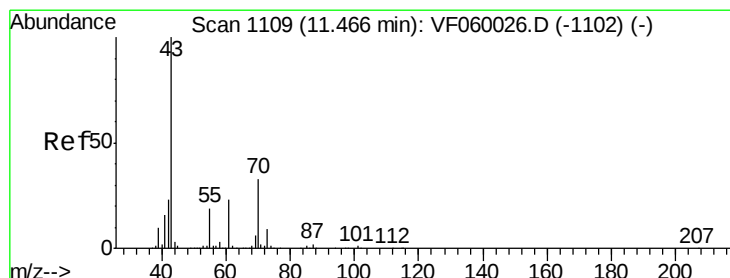
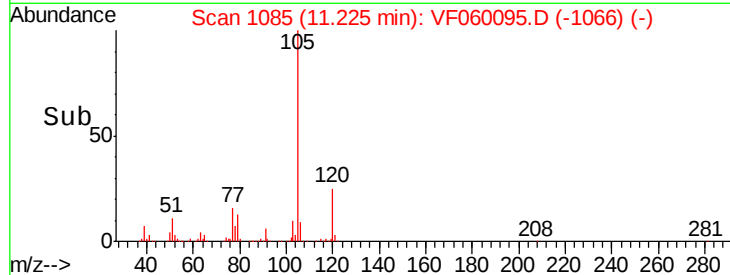
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 48.56 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Tgt Ion: 43 Resp: 152639

Ion Ratio Lower Upper

43 100

70 38.8 26.4 39.6

55 21.5 15.0 22.4

61 25.6 18.4 27.6

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

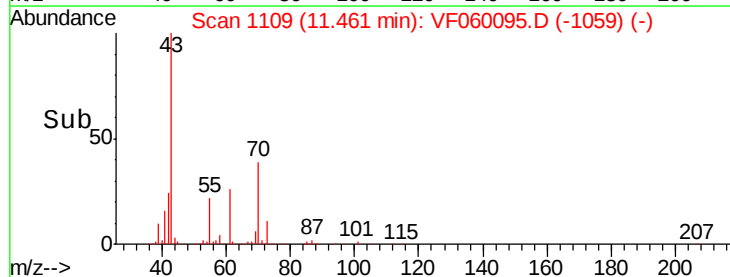
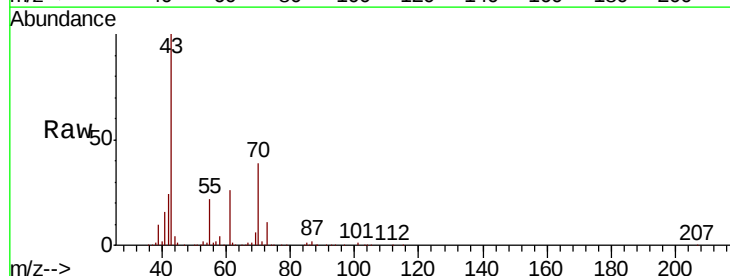
150000

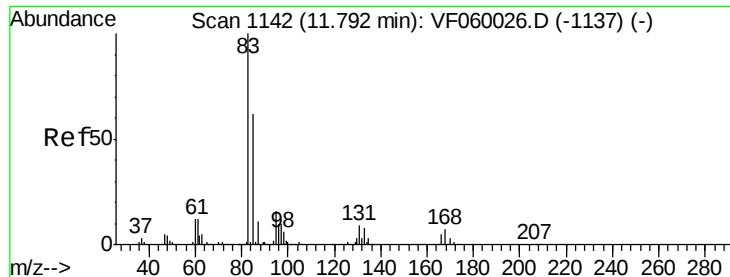
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.42 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 113550
Ion Ratio Lower Upper

83 100

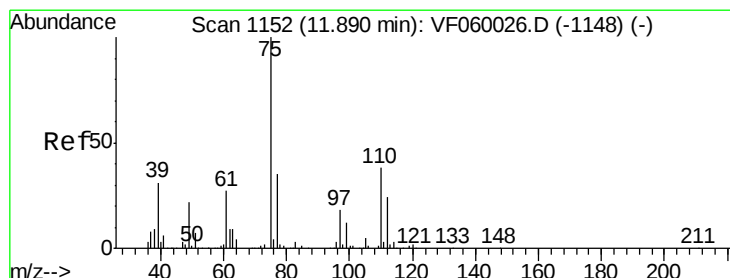
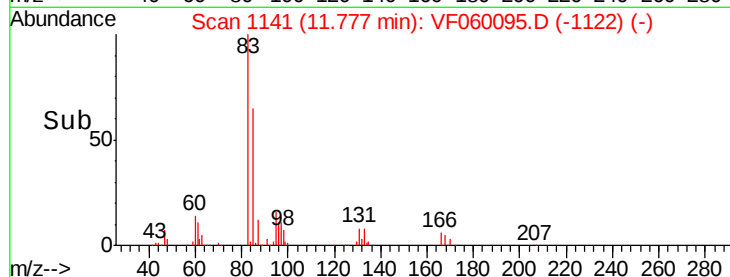
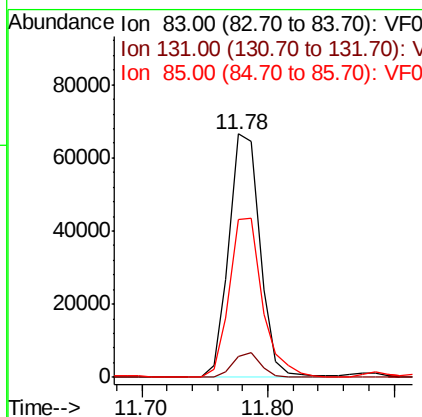
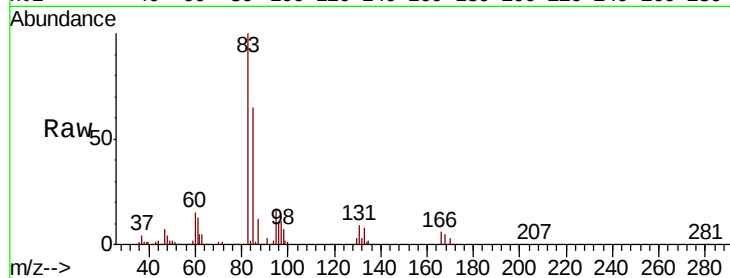
131 8.7 4.5 13.7

85 64.9 31.3 93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.43 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

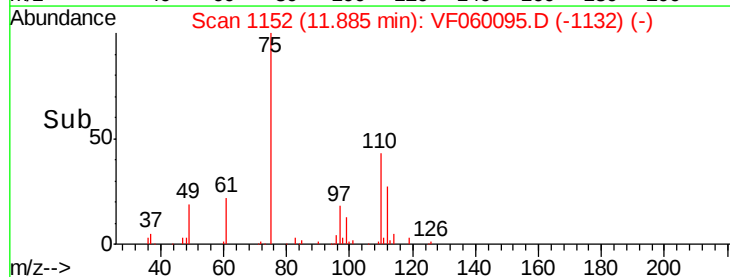
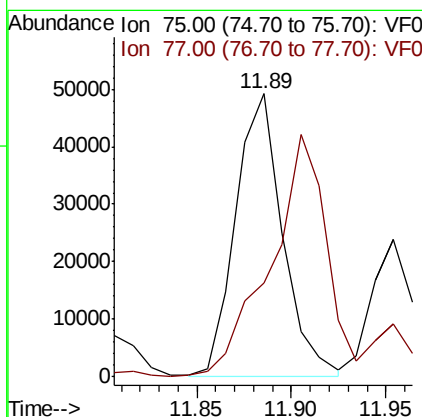
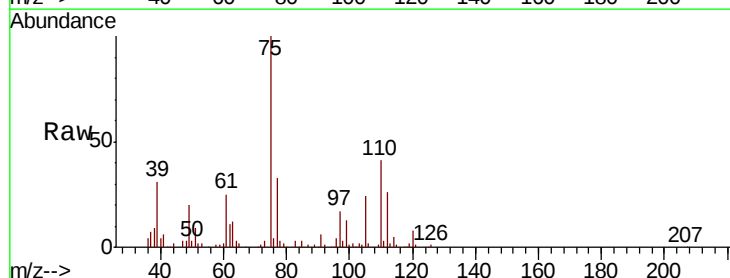
Lab File: VF060095.D

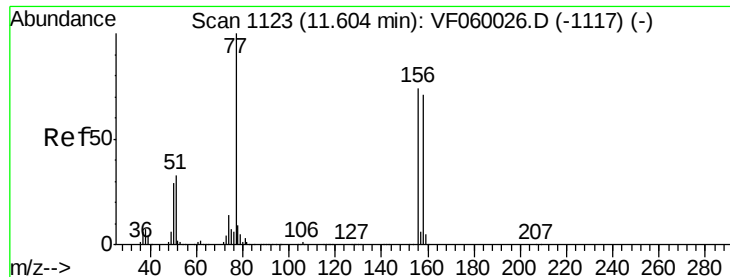
Acq: 24 Aug 2018 12:39

Tgt Ion: 75 Resp: 84659
Ion Ratio Lower Upper

75 100

77 33.1 17.3 52.0





#77

Bromobenzene

Concen: 51.49 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

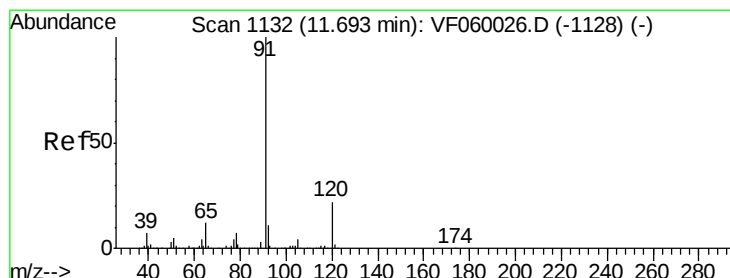
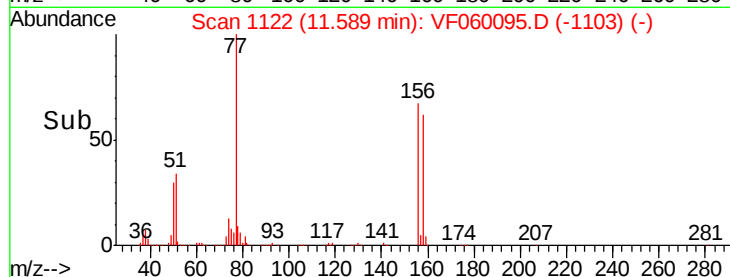
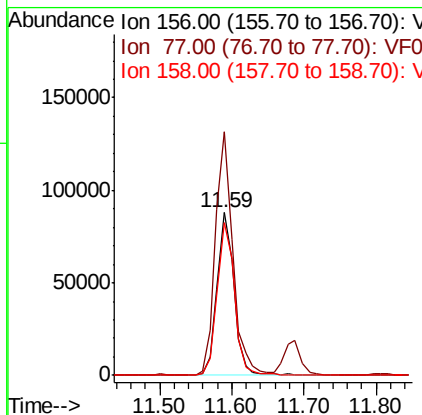
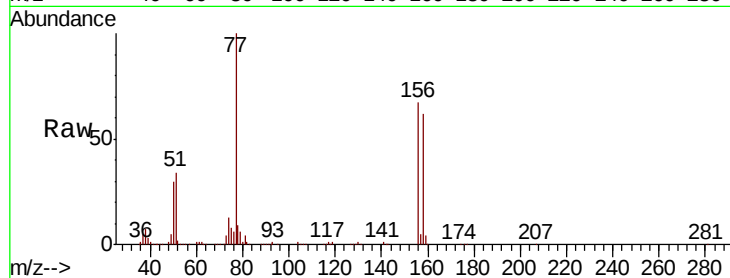
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	149.6	68.0	204.0		
158	93.4	48.4	145.3		

Manual Integrations
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#78

n-propylbenzene

Concen: 55.02 ug/l

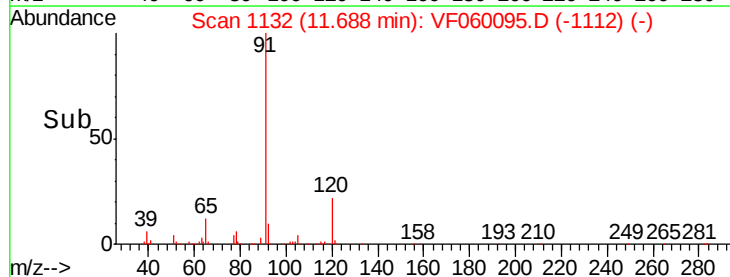
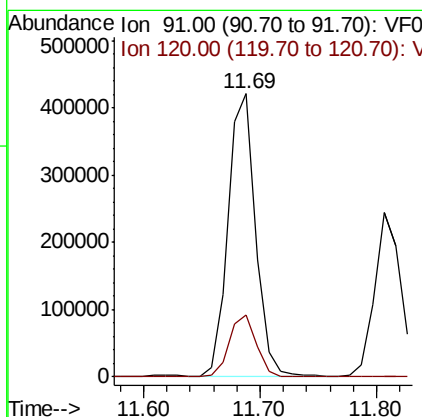
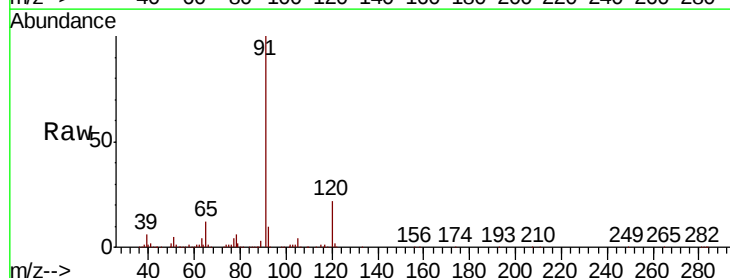
RT: 11.69 min Scan# 1132

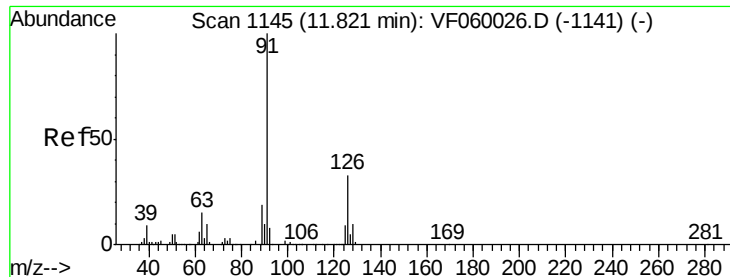
Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.9	10.9	32.7		





#79

2-Chlorotoluene

Concen: 51.41 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 377298

Ion Ratio Lower Upper

91 100

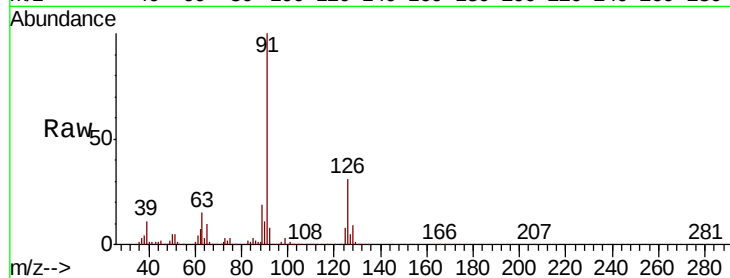
126 30.8 16.6 49.7

Manual Integrations

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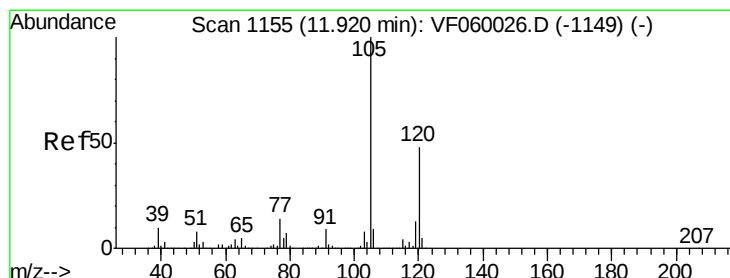
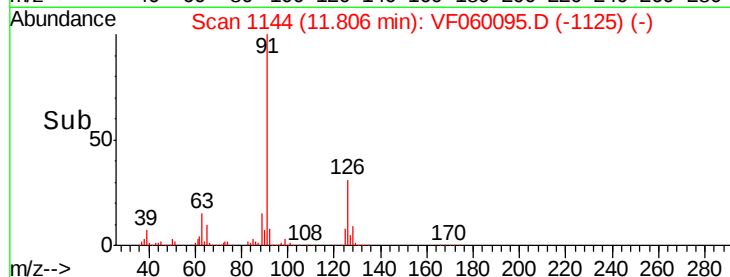
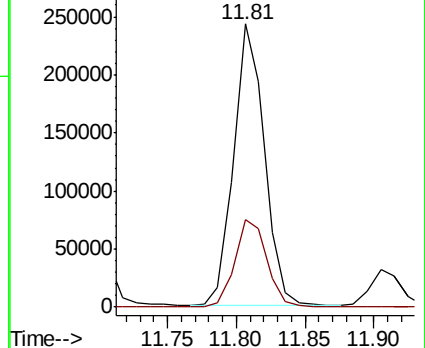
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 53.22 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF060095.D

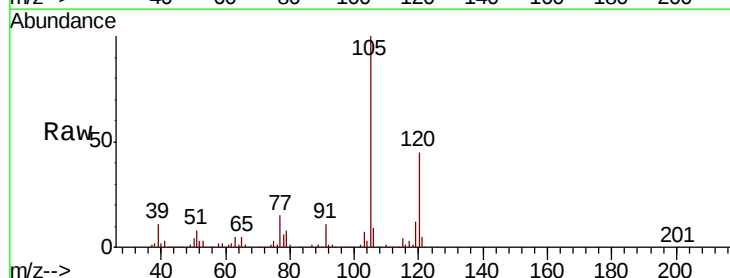
Acq: 24 Aug 2018 12:39

Tgt Ion:105 Resp: 468877

Ion Ratio Lower Upper

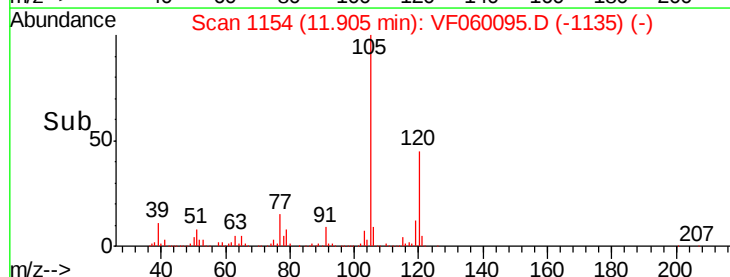
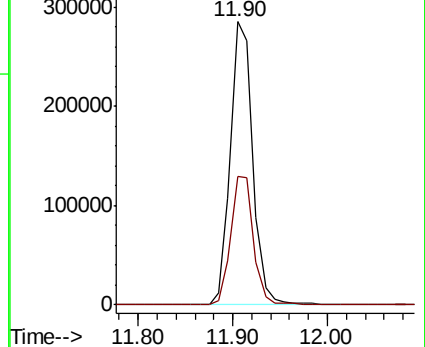
105 100

120 45.3 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





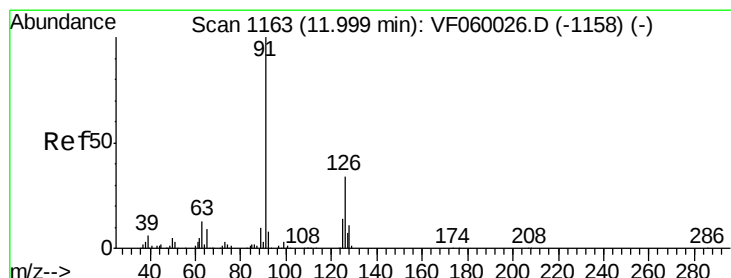
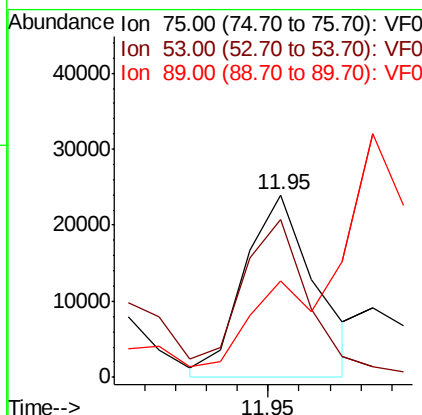
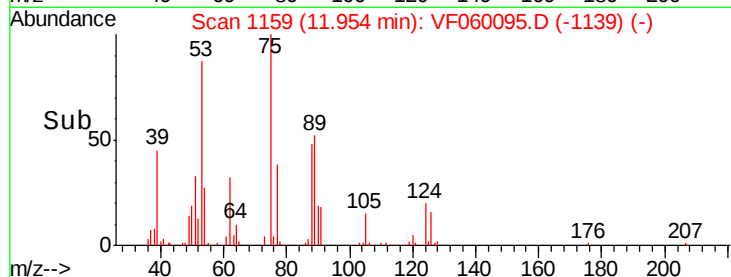
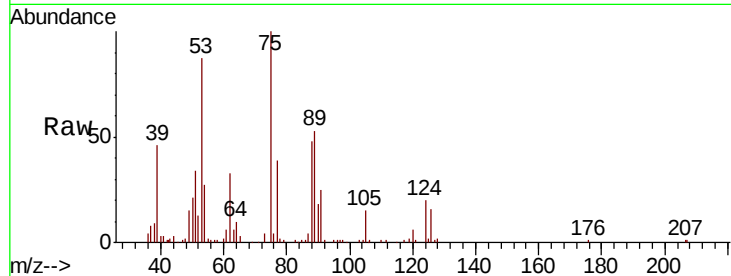
#81
trans-1,4-Dichloro-2-butene
Concen: 48.72 ug/l m
RT: 11.95 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.9	66.2	99.4
89	52.8	42.8	64.2

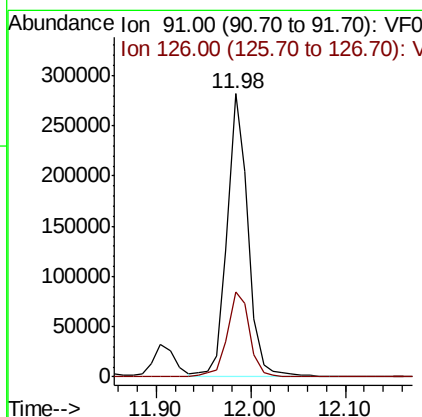
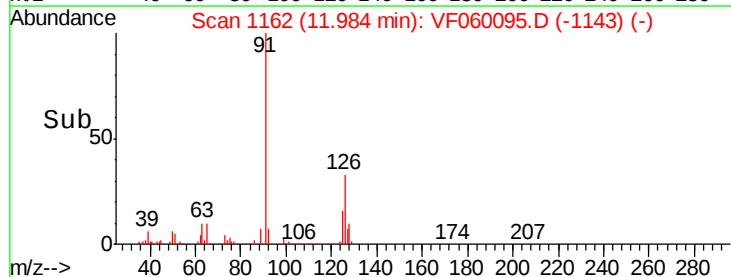
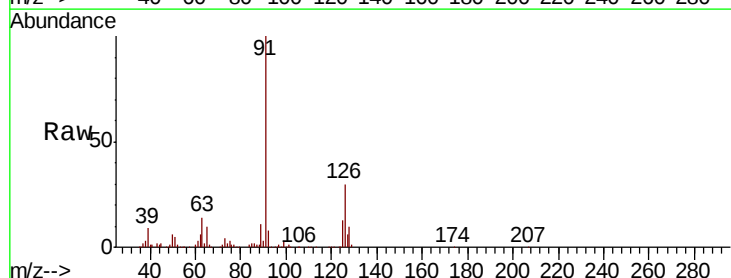
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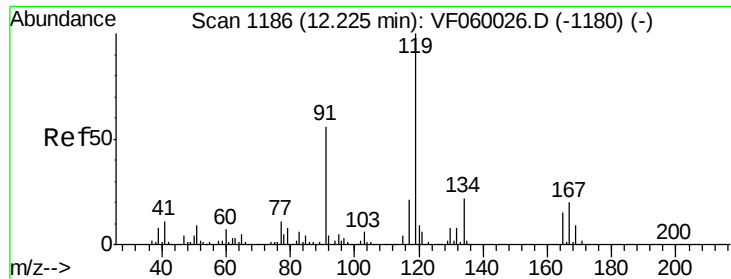
apatel
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#82
4-Chlorotoluene
Concen: 53.53 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	17.0	50.9





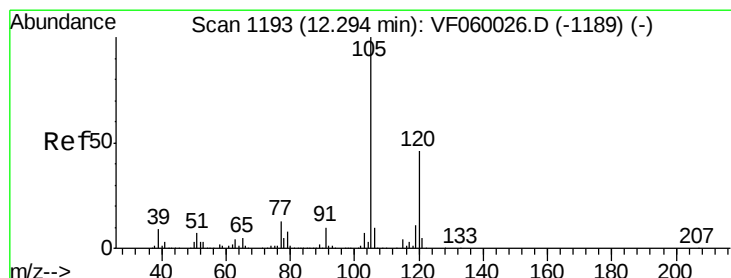
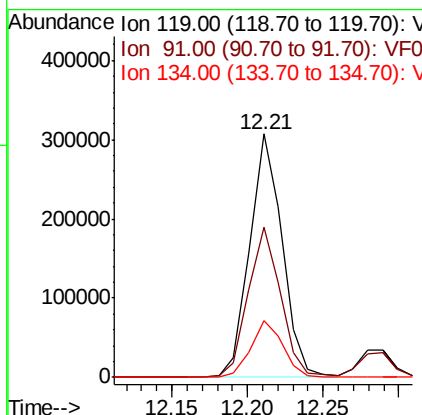
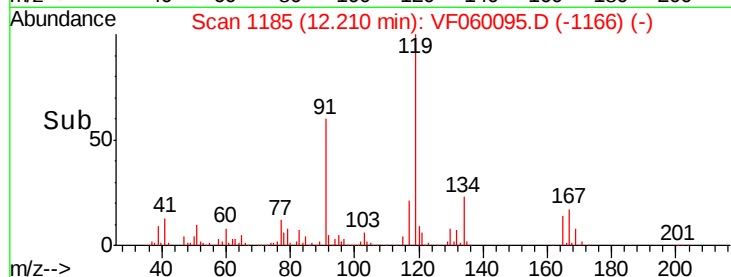
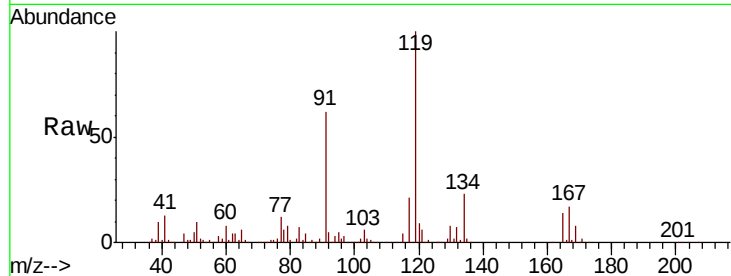
#83
tert-Butylbenzene
Concen: 53.72 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	461598		
91	61.7	28.1	84.3	
134	23.1	11.1	33.3	

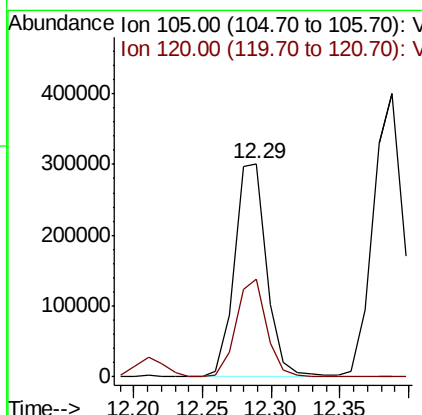
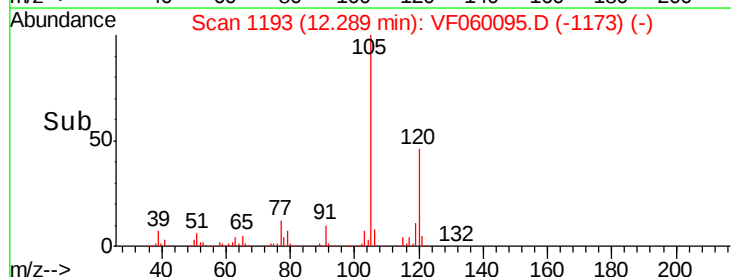
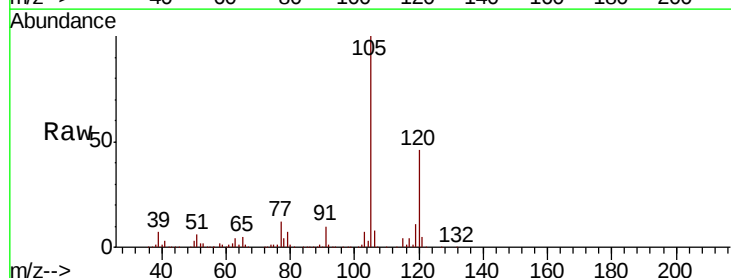
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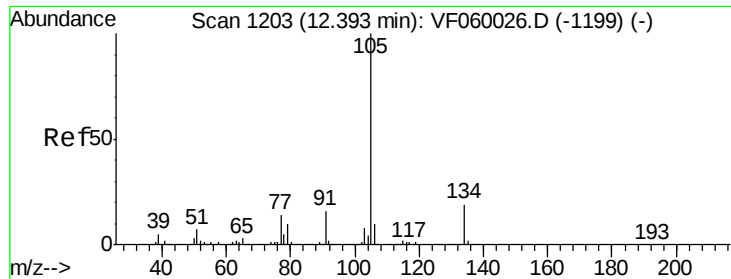
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 52.29 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	489701		
120	46.0	23.3	69.8	





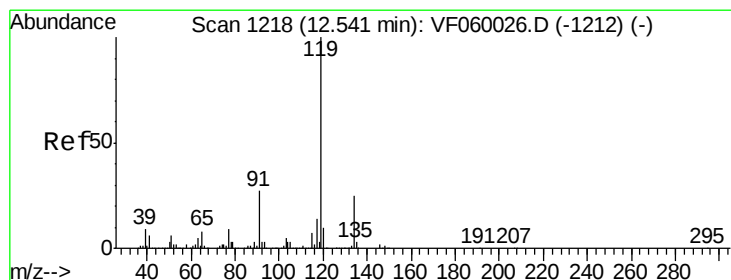
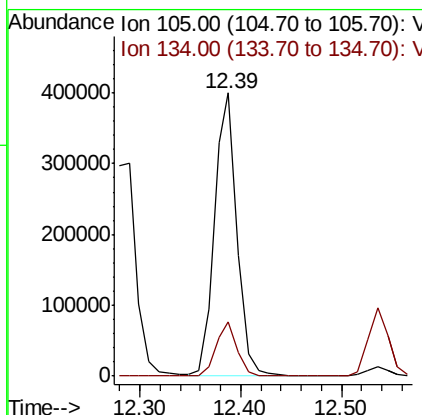
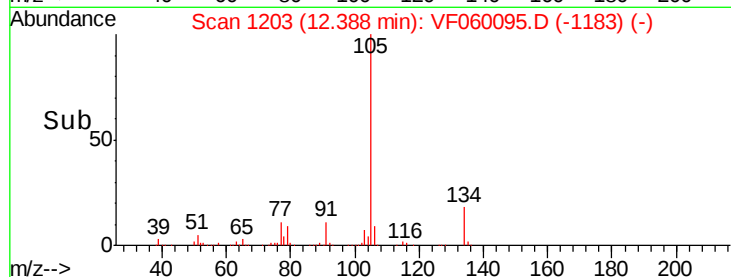
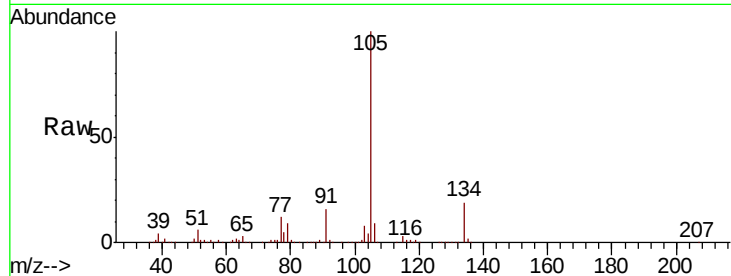
#85
 sec-Butylbenzene
 Concen: 51.67 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.3	27.9

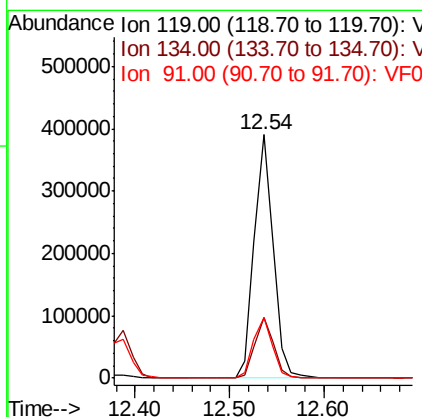
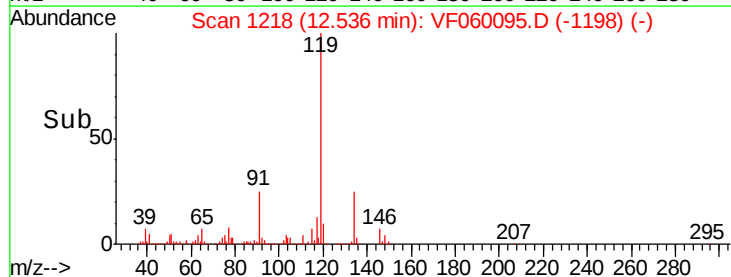
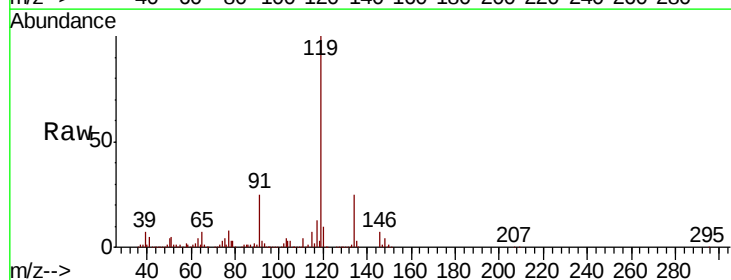
Manual Integrations
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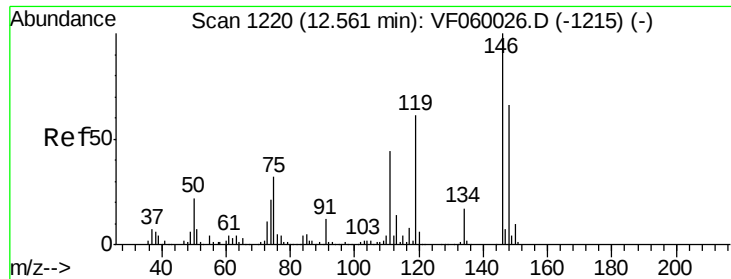
apatel
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#86
 p-Isopropyltoluene
 Concen: 54.92 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.4	37.2
91	25.1	13.5	40.4





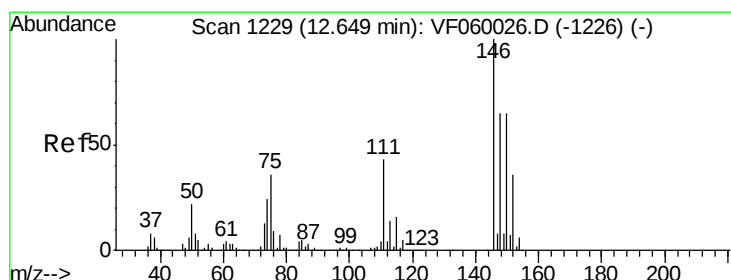
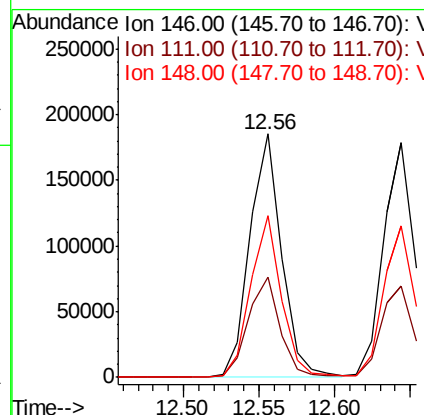
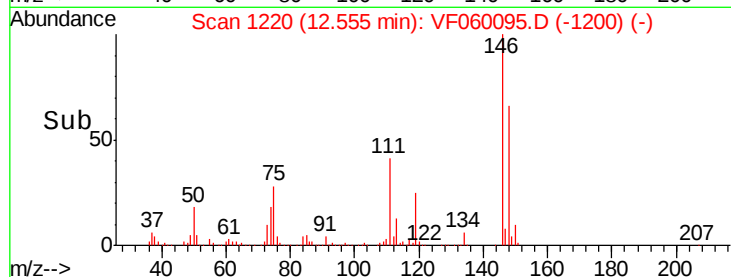
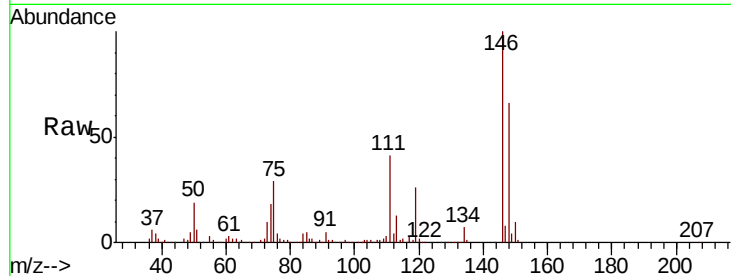
#87
 1,3-Dichlorobenzene
 Concen: 53.55 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.9	65.5
148	66.2	32.9	98.7

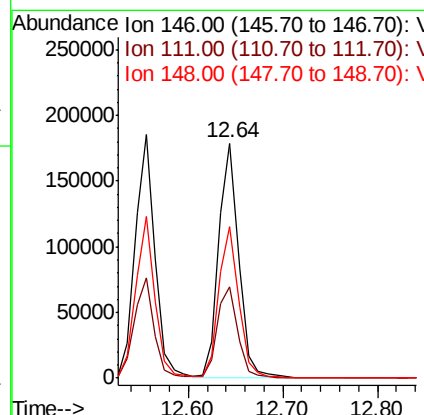
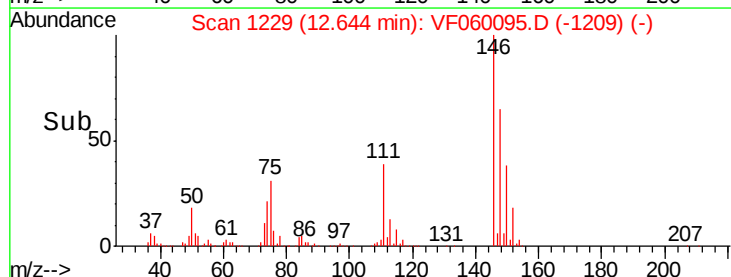
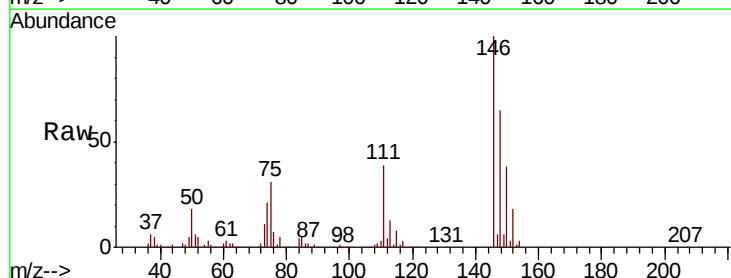
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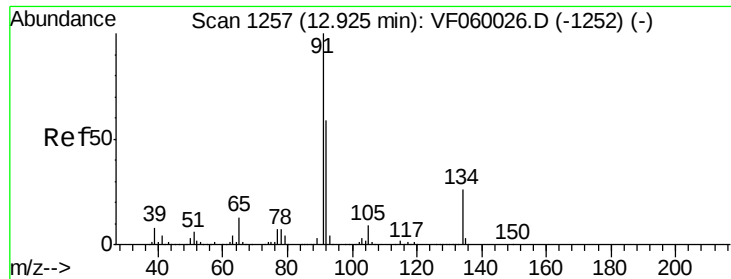
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#88
 1,4-Dichlorobenzene
 Concen: 52.29 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	21.6	64.8
148	64.8	32.3	96.8





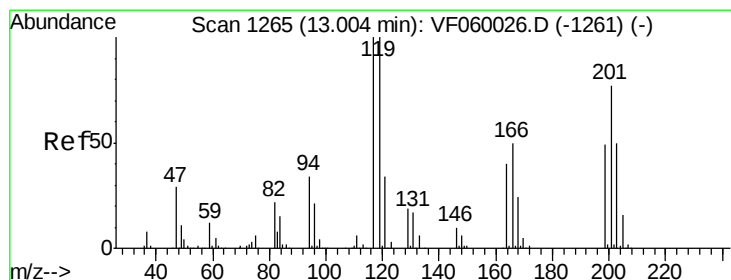
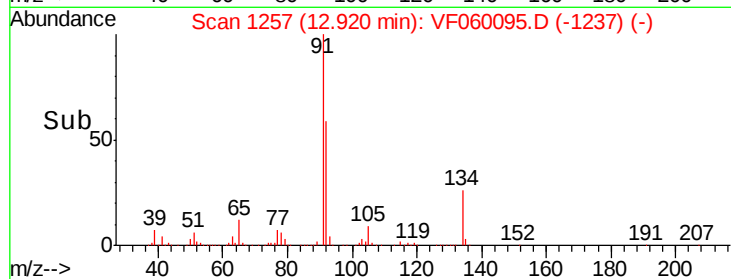
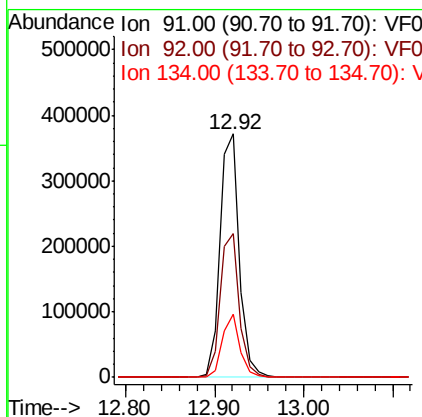
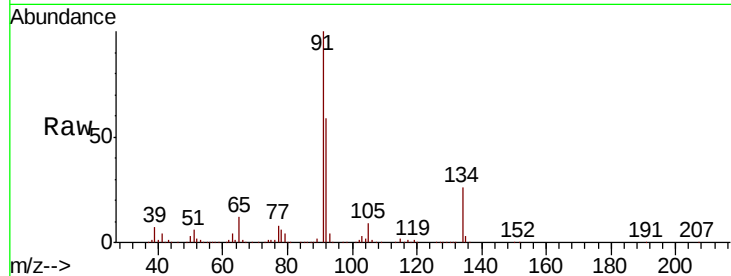
#89
n-Butylbenzene
Concen: 58.75 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	59.1	29.3	87.9	
134	26.0	12.8	38.3	

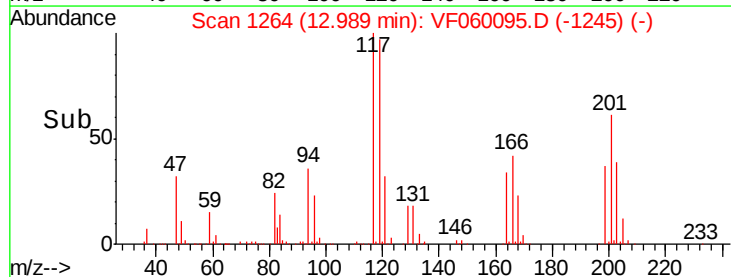
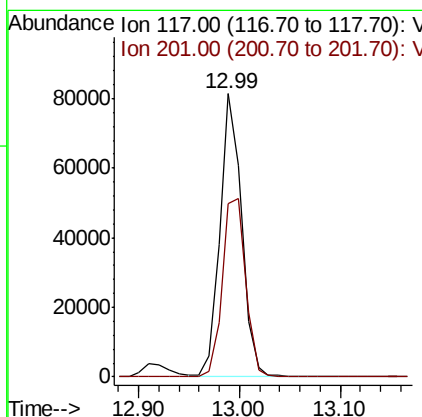
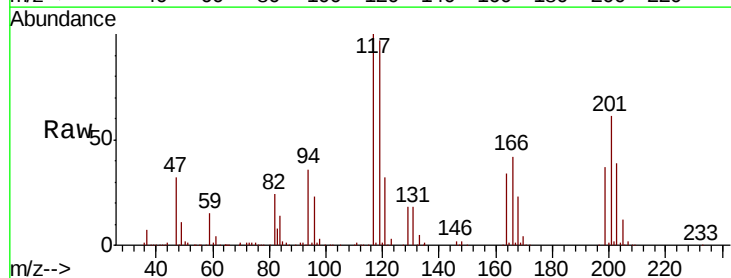
Manual Integrations
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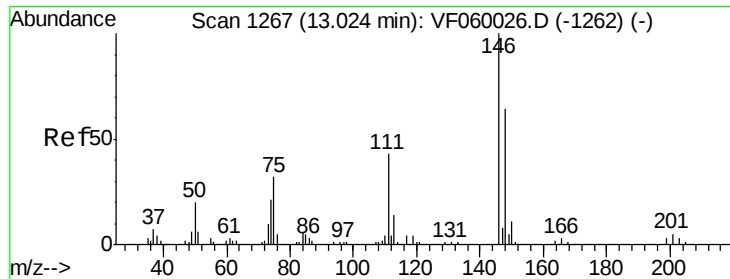
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#90
Hexachloroethane
Concen: 54.99 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	62.6	38.6	115.8	





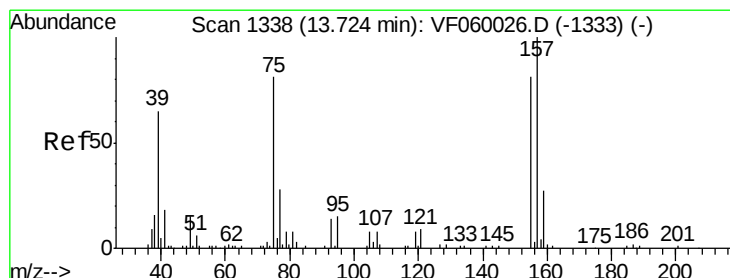
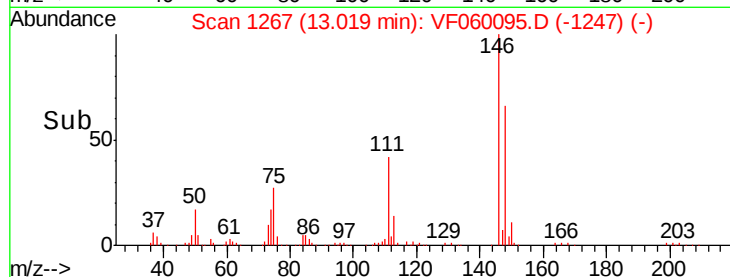
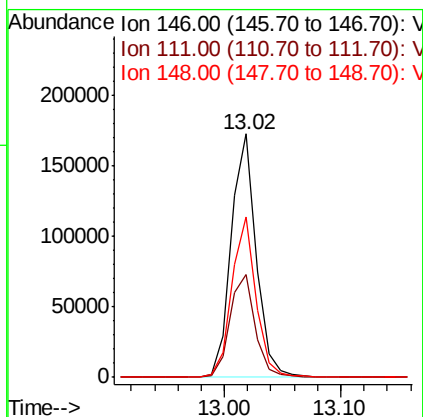
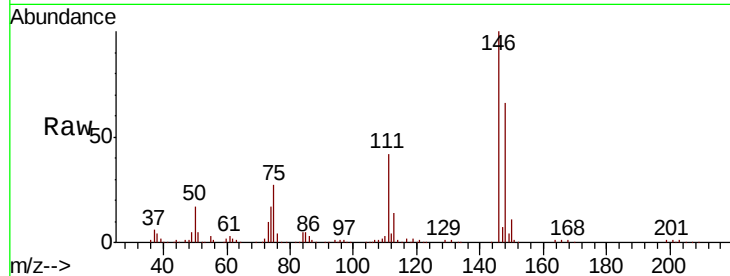
#91
 1,2-Dichlorobenzene
 Concen: 52.14 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.6	64.6
148	65.7	32.3	96.8

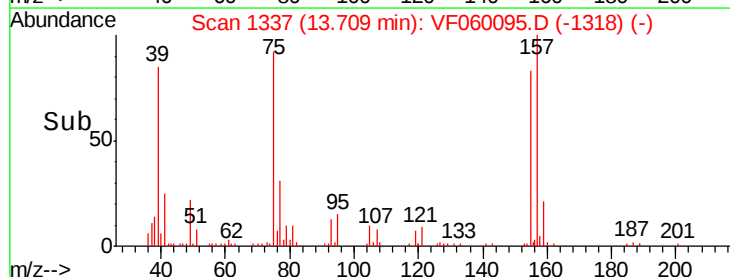
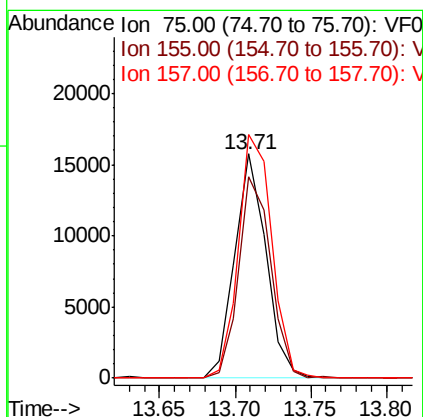
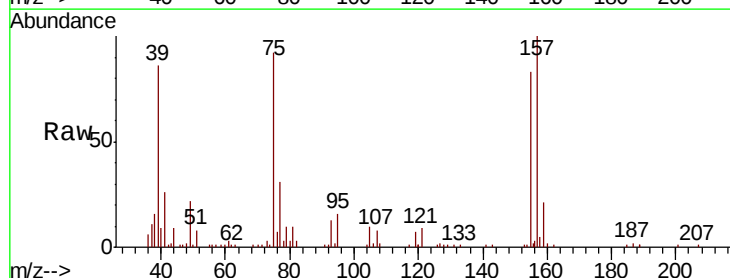
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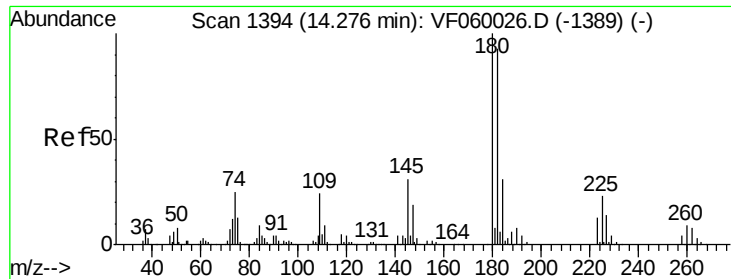
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.07 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.7	49.8	149.3
157	108.6	61.6	184.7





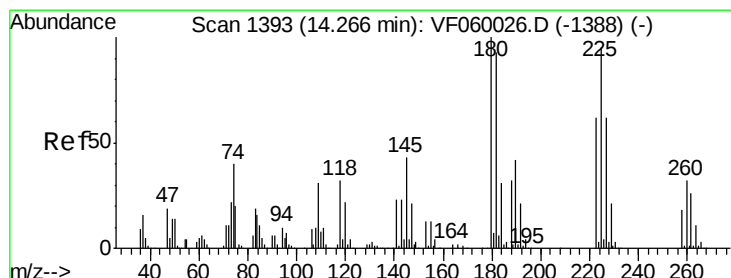
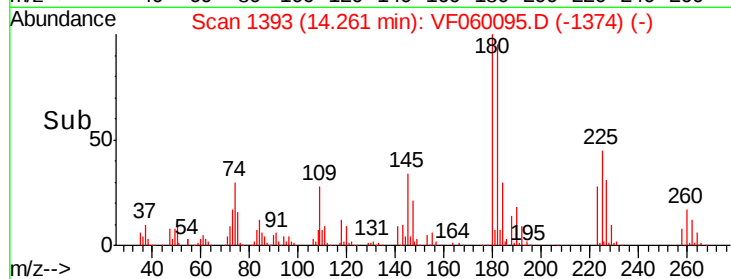
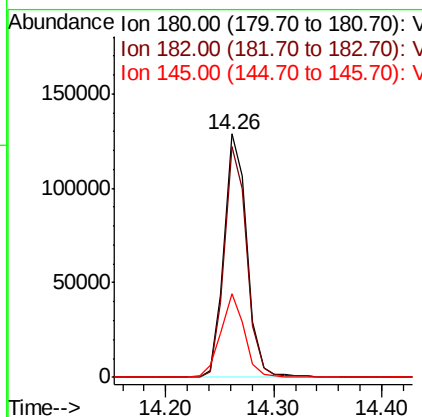
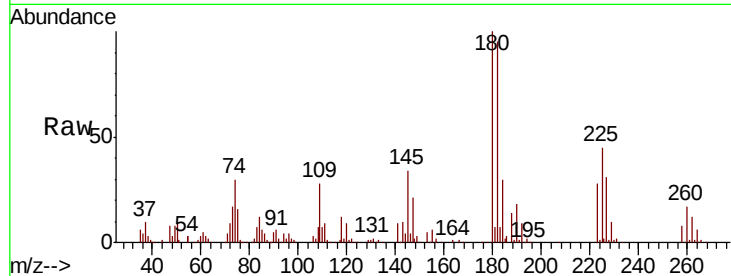
#93
 1,2,4-Trichlorobenzene
 Concen: 53.03 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	190971		
182	94.6	46.8	140.3	
145	34.2	15.4	46.4	

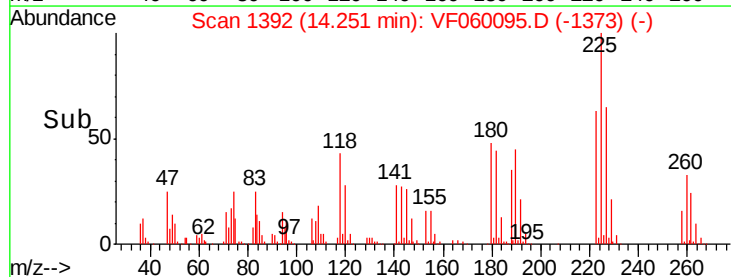
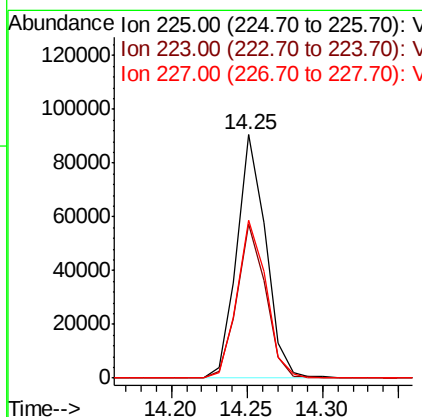
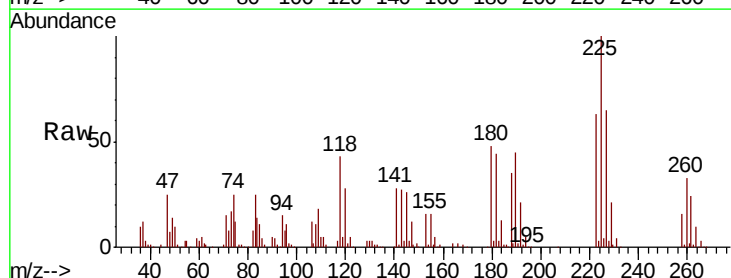
Manual Integrations
 APPROVED

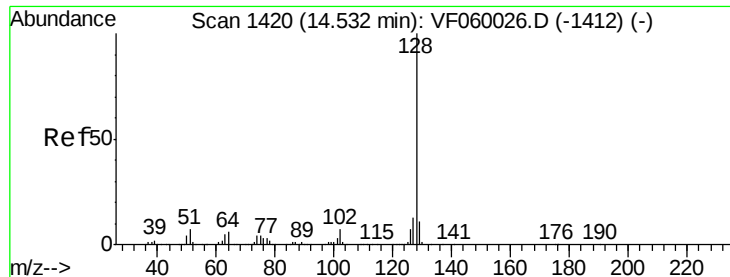
apatel
 8/27/2018 3:21:57 PM



#94
 Hexachlorobutadiene
 Concen: 53.74 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	120451		
223	63.3	32.6	97.8	
227	64.7	33.0	98.9	





#95

Naphthalene

Concen: 48.35 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

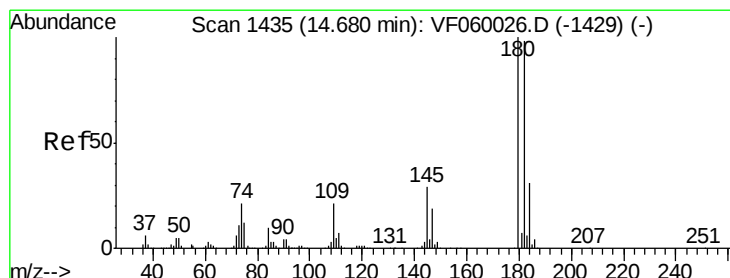
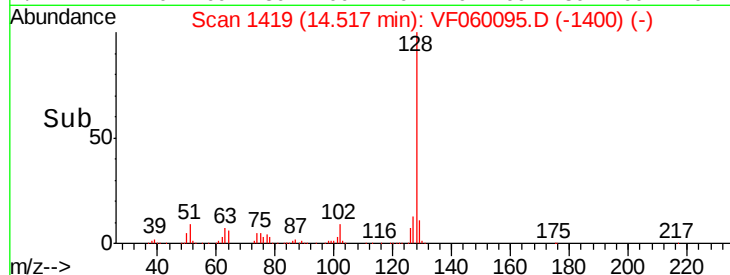
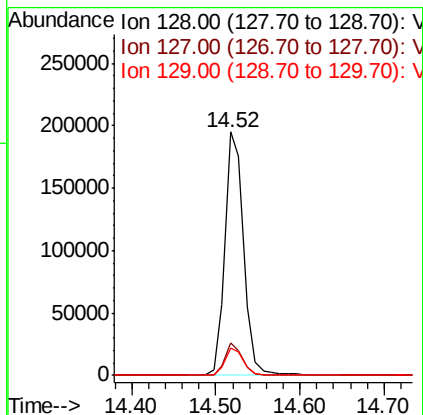
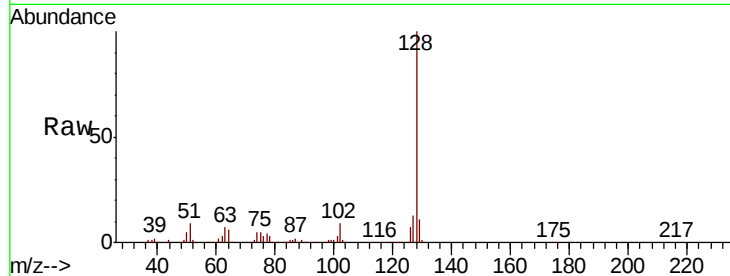
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	301605
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.0	8.5	12.7

Manual Integrations
APPROVED

apatel
8/27/2018 3:21:57 PM



#96

1,2,3-Trichlorobenzene

Concen: 53.09 ug/l

RT: 14.66 min Scan# 1434

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Tgt Ion:	180	Resp:	182395
Ion Ratio	Lower	Upper	
180	100		
182	96.5	49.0	147.2
145	32.9	14.4	43.2

