

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032119\
 Data File : VF062056.D
 Acq On : 21 Mar 2019 13:04
 Operator : VA/AP
 Sample : VF0321SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

Manual Integrations
 APPROVED

Quant Time: Mar 22 08:23:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

MMDadoda
 3/23/2019 2:59:12 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	284173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	410878	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	341892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	187590	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	99056	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
35) Dibromofluoromethane	4.11	113	132473	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
50) Toluene-d8	7.55	98	384108	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
62) 4-Bromofluorobenzene	11.41	95	152729	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	64214	21.197	ug/l	95
3) Chloromethane	1.09	50	68821	22.355	ug/l	90
4) Vinyl Chloride	1.14	62	65979	22.160	ug/l	99
5) Bromomethane	1.33	94	43020	20.568	ug/l	97
6) Chloroethane	1.39	64	32509	21.150	ug/l	99
7) Trichlorofluoromethane	1.47	101	78884	19.998	ug/l	100
8) Diethyl Ether	1.63	74	19267	21.972	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.83	101	58602	21.086	ug/l	96
10) Methyl Iodide	1.91	142	106689m	21.928	ug/l	
11) Tert butyl alcohol	2.57	59	12152	97.083	ug/l #	87
12) 1,1-Dichloroethene	1.80	96	51410	21.435	ug/l	91
13) Acrolein	2.00	56	12030	89.028	ug/l	99
14) Allyl chloride	2.10	41	57456	18.767	ug/l	95
15) Acrylonitrile	2.95	53	40927	107.521	ug/l	90
16) Acetone	2.24	43	54824	119.352	ug/l #	86
17) Carbon Disulfide	1.83	76	150549m	21.715	ug/l	
18) Methyl Acetate	2.35	43	23160	22.249	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	89732	20.647	ug/l	97
20) Methylene Chloride	2.19	84	55620m	23.207	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	52984	21.169	ug/l	93
22) Diisopropyl ether	2.80	45	150804	20.478	ug/l	99
23) Vinyl Acetate	3.19	43	334528	115.235	ug/l	97
24) 1,1-Dichloroethane	2.87	63	93131	21.750	ug/l	99
25) 2-Butanone	4.34	43	103573	113.852	ug/l	99
26) 2,2-Dichloropropane	3.60	77	39557	19.585	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	65692	20.824	ug/l	94
28) Bromochloromethane	3.72	49	41053	23.106	ug/l	96
29) Tetrahydrofuran	4.07	42	41132	103.965	ug/l	98
30) Chloroform	3.86	83	98484	20.299	ug/l	99
31) Cyclohexane	3.69	56	90518m	21.399	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	67353	20.904	ug/l	98
36) 1,1-Dichloropropene	4.28	75	83243	22.435	ug/l	98
37) Ethyl Acetate	4.11	43	35657	21.403	ug/l	98
38) Carbon Tetrachloride	3.99	117	56449	20.817	ug/l	97

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Manual Integrations
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	94295	21.647	ug/l	93
40) Benzene	4.63	78	217351	22.107	ug/l	99
41) Methacrylonitrile	4.74	41	20007	22.477	ug/l #	87
42) 1,2-Dichloroethane	4.94	62	49783	20.340	ug/l	99
43) Isopropyl Acetate	6.96	43	42842	21.734	ug/l #	92
44) Trichloroethene	5.50	130	66213	21.984	ug/l	97
45) 1,2-Dichloropropane	6.24	63	50218	21.583	ug/l	99
46) Dibromomethane	6.08	93	29701	21.458	ug/l	97
47) Bromodichloromethane	6.39	83	68598	21.022	ug/l #	94
48) Methyl methacrylate	6.72	41	25239	19.812	ug/l	93
49) 1,4-Dioxane	6.71	88	5368	473.710	ug/l #	73
51) 4-Methyl-2-Pentanone	8.26	43	156893	112.087	ug/l	96
52) Toluene	7.62	92	124608	20.743	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	56884	20.648	ug/l	92
54) cis-1,3-Dichloropropene	7.30	75	78232	21.763	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	34951	20.846	ug/l	97
56) Ethyl methacrylate	8.62	69	43359	22.750	ug/l	92
57) 1,3-Dichloropropane	8.85	76	58010	20.742	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	30135	87.294	ug/l	96
59) 2-Hexanone	9.49	43	118028	116.512	ug/l	99
60) Dibromochloromethane	8.71	129	50474	21.685	ug/l	95
61) 1,2-Dibromoethane	8.98	107	38929	21.646	ug/l	99
64) Tetrachloroethene	8.15	164	54578	21.961	ug/l	97
65) Chlorobenzene	9.80	112	139868	21.973	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	56565	22.925	ug/l	98
67) Ethyl Benzene	9.90	91	240467	22.063	ug/l	100
68) m/p-Xylenes	10.13	106	185445	45.239	ug/l	96
69) o-Xylene	10.72	106	95111	21.684	ug/l	100
70) Styrene	10.79	104	129107	21.246	ug/l	96
71) Bromoform	10.78	173	26943	21.589	ug/l	99
73) Isopropylbenzene	11.12	105	274337	21.168	ug/l	96
74) N-amyl acetate	11.37	43	67859	22.851	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	47966	22.423	ug/l	94
76) 1,2,3-Trichloropropane	11.79	75	32116	21.470	ug/l	100
77) Bromobenzene	11.50	156	64217	21.397	ug/l	96
78) n-propylbenzene	11.59	91	320109	21.481	ug/l	99
79) 2-Chlorotoluene	11.72	91	183846	21.857	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	230520	22.020	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	16012m	24.197	ug/l	
82) 4-Chlorotoluene	11.90	91	181936	21.389	ug/l	99
83) tert-Butylbenzene	12.13	119	248613	22.708	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	233039	22.224	ug/l	95
85) sec-Butylbenzene	12.30	105	321281	21.720	ug/l	99
86) p-Isopropyltoluene	12.46	119	278866	22.593	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	128815	21.838	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	120151	21.163	ug/l	98
89) n-Butylbenzene	12.85	91	264657	22.818	ug/l	97
90) Hexachloroethane	12.92	117	64536	22.911	ug/l	96
91) 1,2-Dichlorobenzene	12.94	146	123170	22.545	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7585	22.096	ug/l	79

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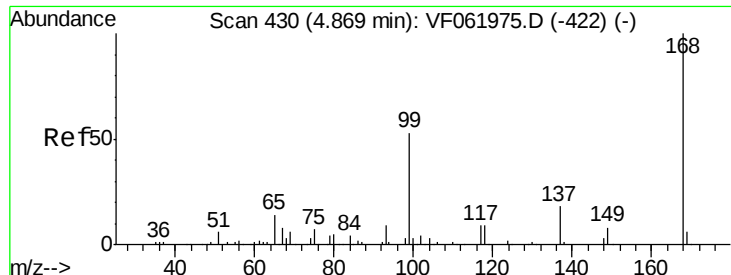
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	83181	21.864	ug/l	95
94) Hexachlorobutadiene	14.19	225	54115	21.426	ug/l	96
95) Naphthalene	14.45	128	143377	20.954	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	75672	21.620	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

Tot Ion:168 Resp: 284173

Ion Ratio Lower Upper

168 100

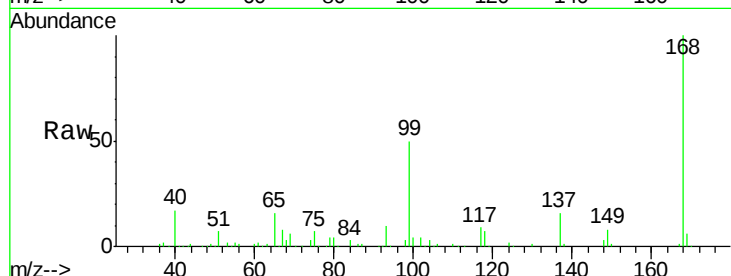
99 50.2 42.4 63.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

100000

80000

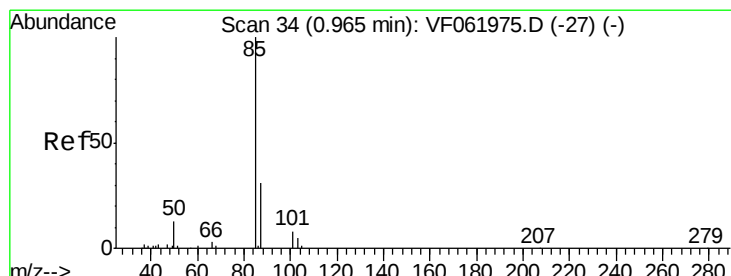
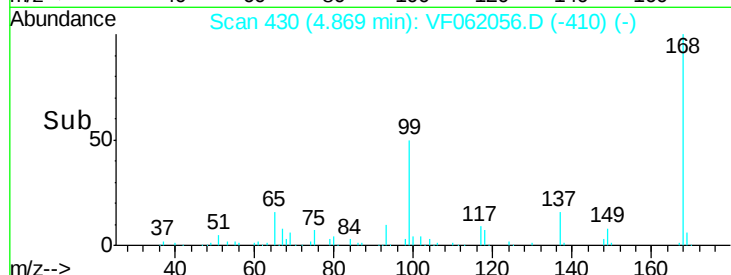
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.197 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF062056.D

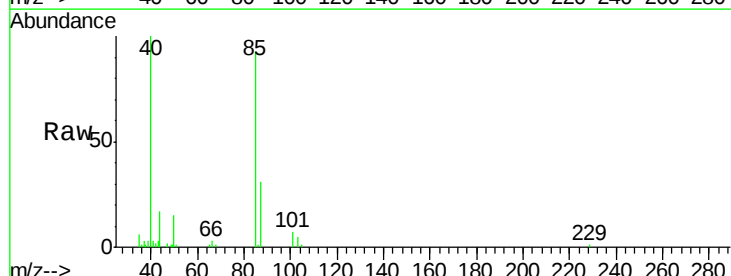
Acq: 21 Mar 2019 13:04

Tgt Ion: 85 Resp: 64214

Ion Ratio Lower Upper

85 100

87 33.6 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

20000

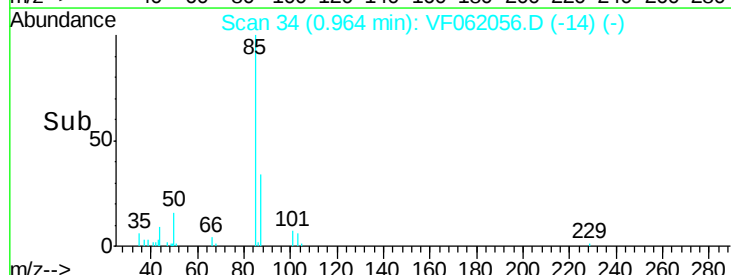
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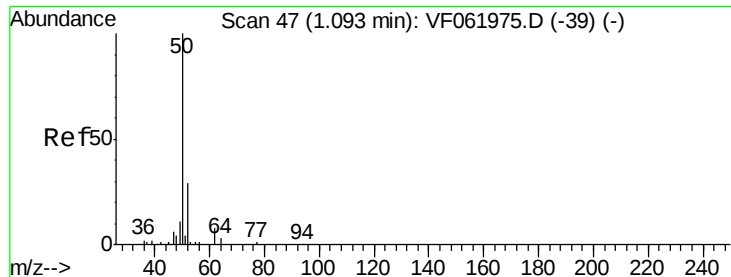
10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.355 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

Tot Ion: 50 Resp: 68821

Ion Ratio Lower Upper

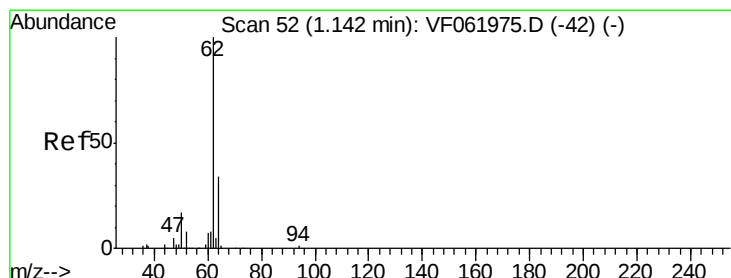
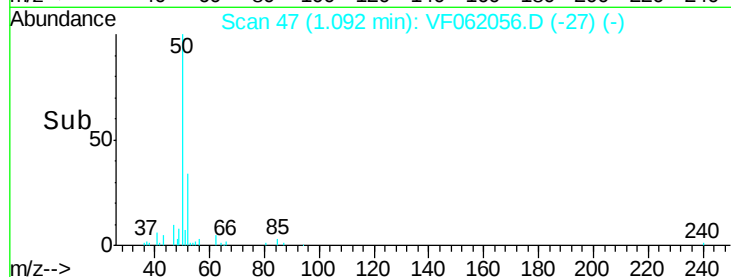
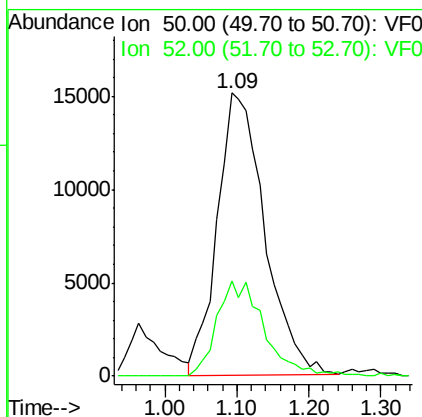
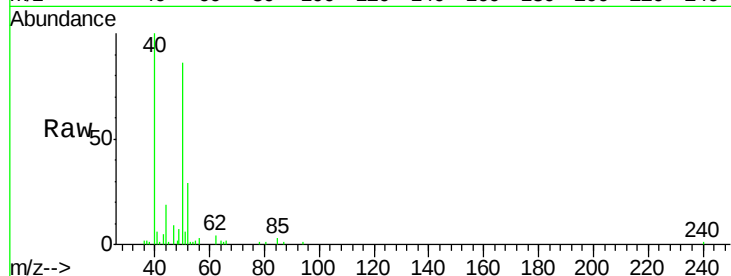
50 100

52 33.6 22.6 34.0

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#4

Vinyl Chloride

Concen: 22.160 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF062056.D

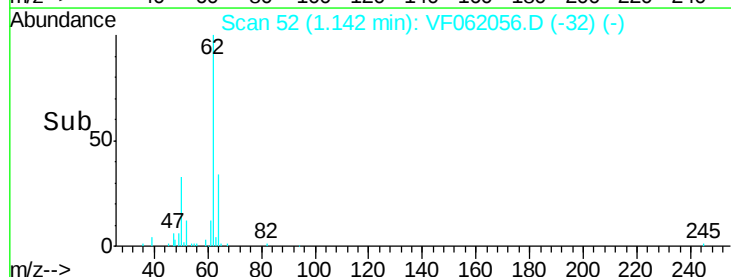
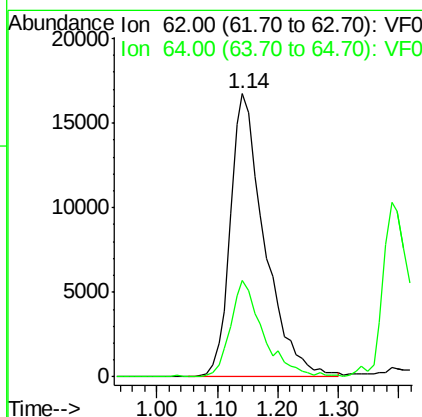
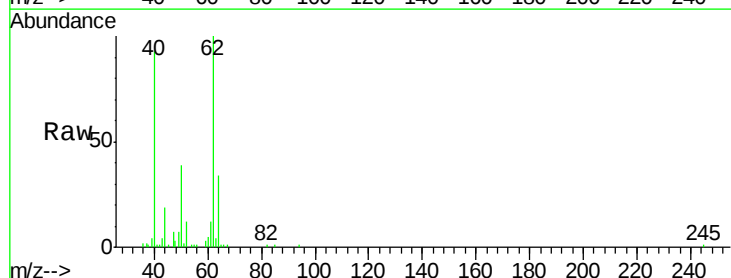
Acq: 21 Mar 2019 13:04

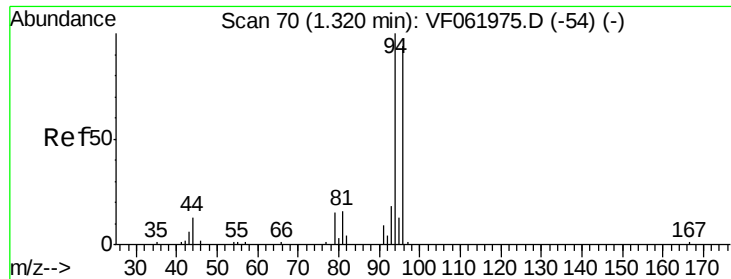
Tgt Ion: 62 Resp: 65979

Ion Ratio Lower Upper

62 100

64 33.9 27.4 41.2





#5

Bromomethane

Concen: 20.568 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

Tot Ion: 94 Resp: 43020

Ion Ratio Lower Upper

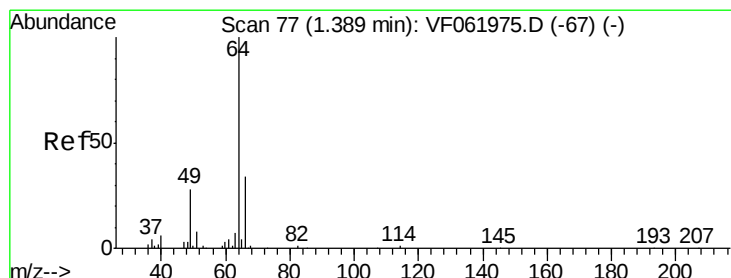
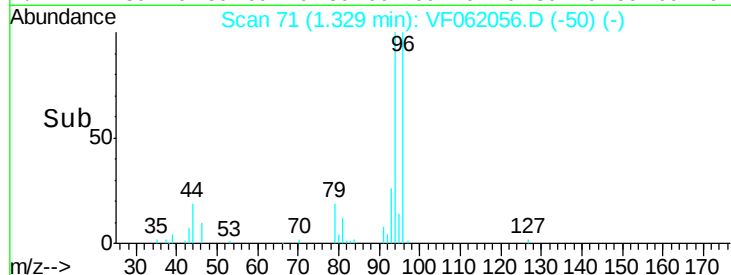
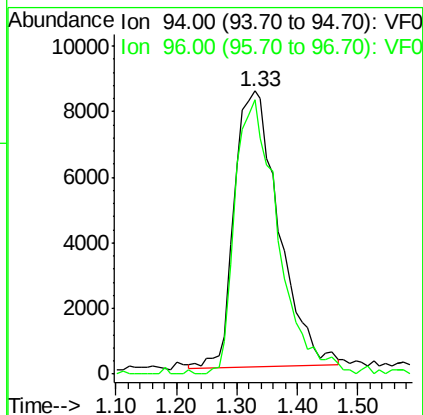
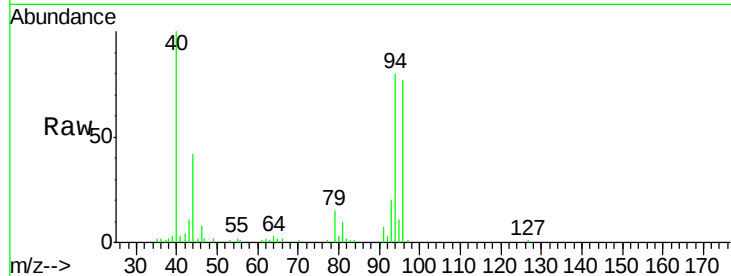
94 100

96 97.1 75.0 112.6

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#6

Chloroethane

Concen: 21.150 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF062056.D

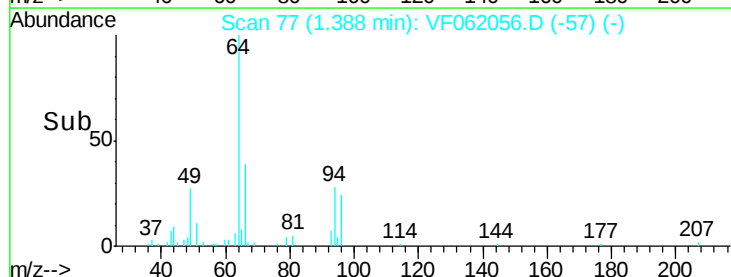
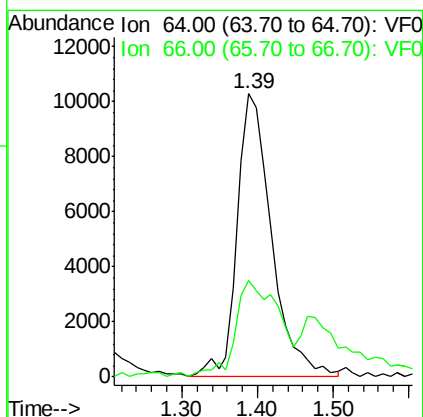
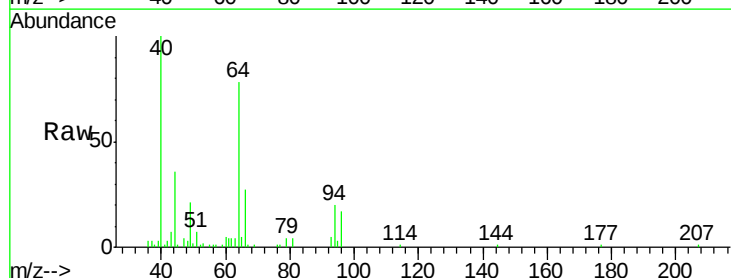
Acq: 21 Mar 2019 13:04

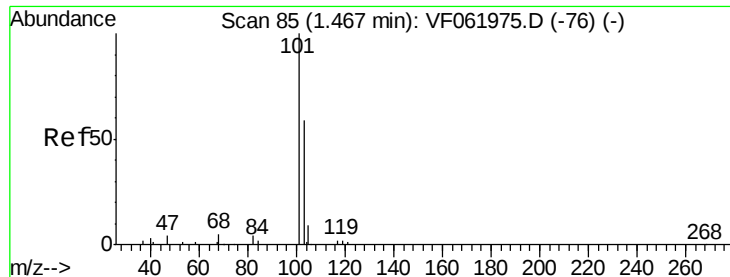
Tgt Ion: 64 Resp: 32509

Ion Ratio Lower Upper

64 100

66 34.2 27.6 41.4





#7

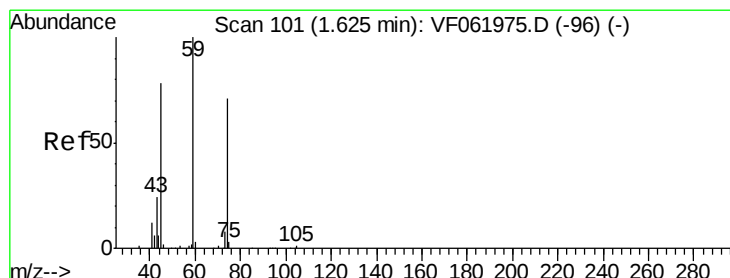
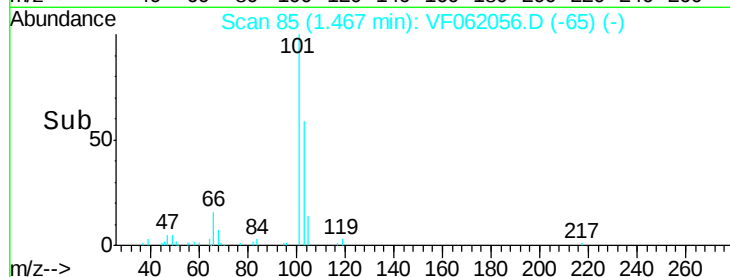
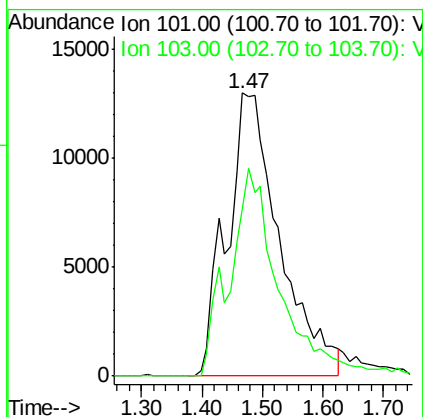
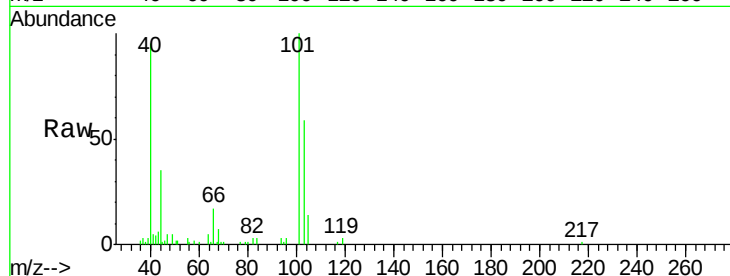
Trichlorofluoromethane
Concen: 19.998 ug/l
RT: 1.47 min Scan# 85
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Instrument :
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ClientSampleId :
VF0321SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.1	47.3	70.9

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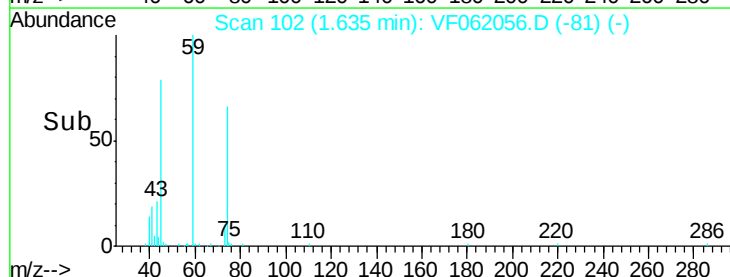
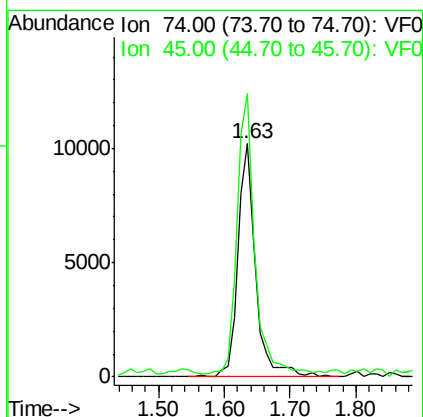
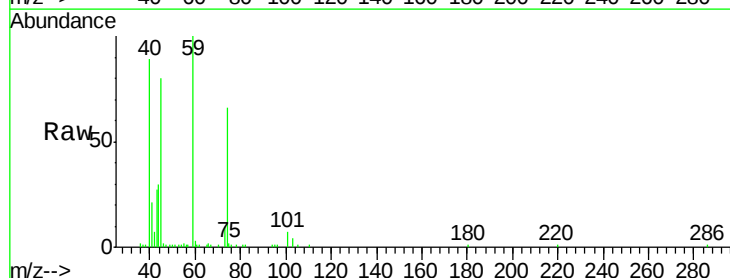
MMDadoda
3/23/2019 2:59:12 AM

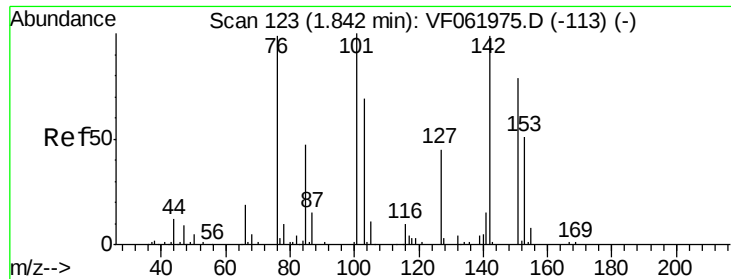


#8

Diethyl Ether
Concen: 21.972 ug/l
RT: 1.63 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.3	56.3	168.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.086 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

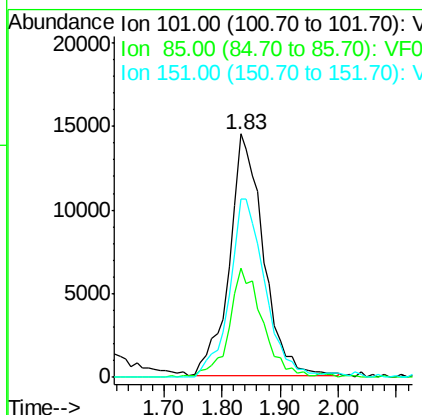
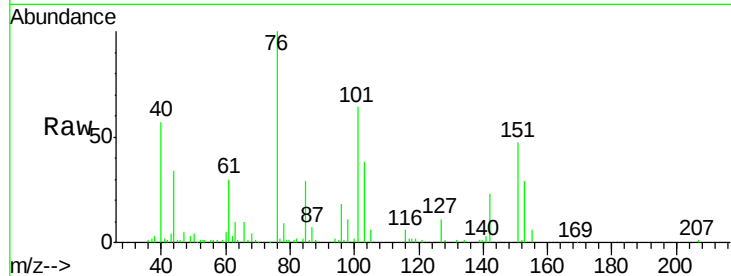
ClientSampleId :

VF0321SBS01

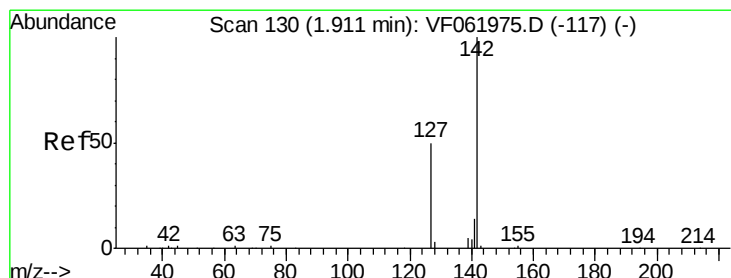
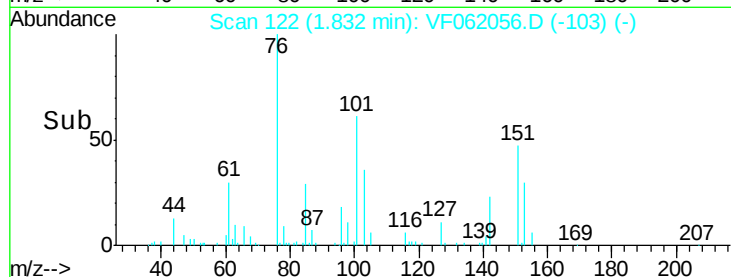
Tot Ion:	101	Resp:	58602
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.8	55.2
151	73.1	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 21.928 ug/l m

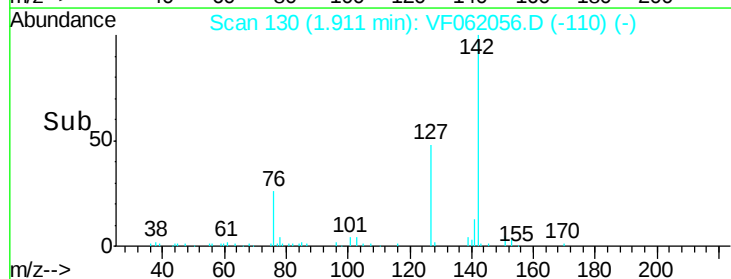
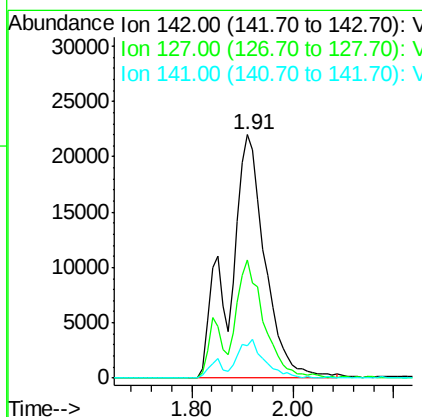
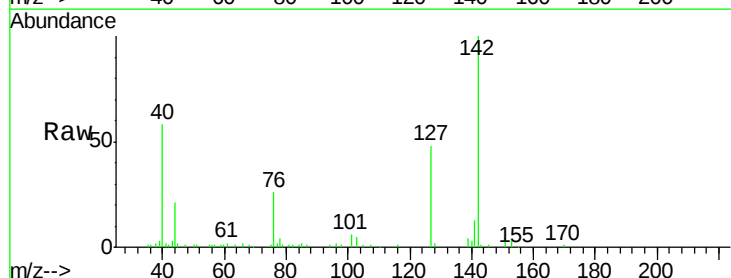
RT: 1.91 min Scan# 130

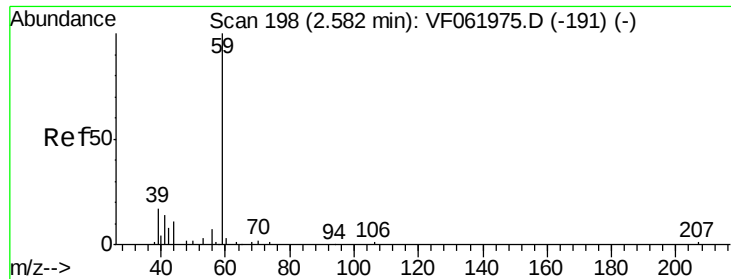
Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Tgt Ion:	142	Resp:	106689
Ion Ratio	Lower	Upper	
142	100		
127	48.3	39.7	59.5
141	13.4	10.8	16.2





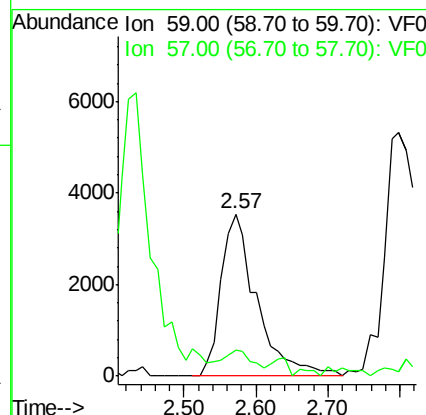
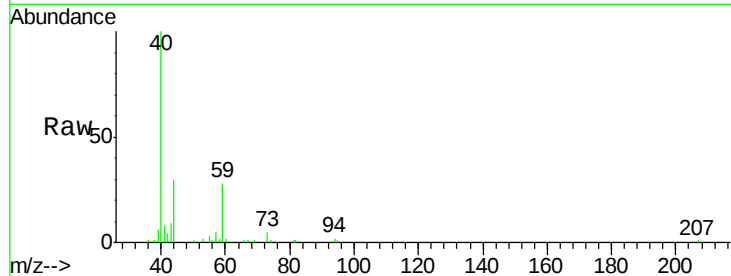
#11
Tert butyl alcohol
Concen: 97.083 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

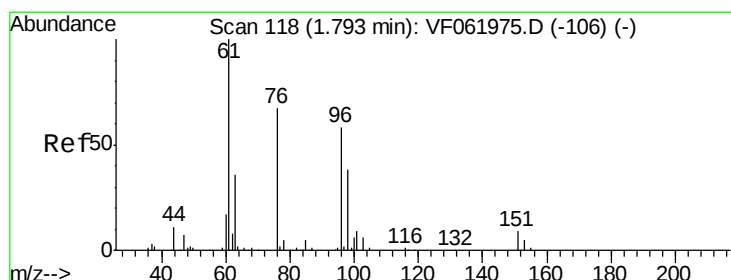
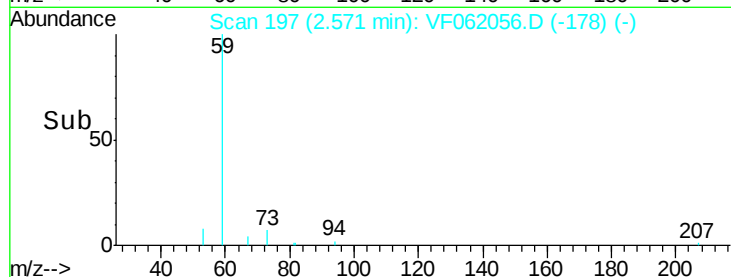
Tot Ion: 59 Resp: 12152
Ion Ratio Lower Upper
59 100
57 16.0 8.7 13.1#

Manual Integrations
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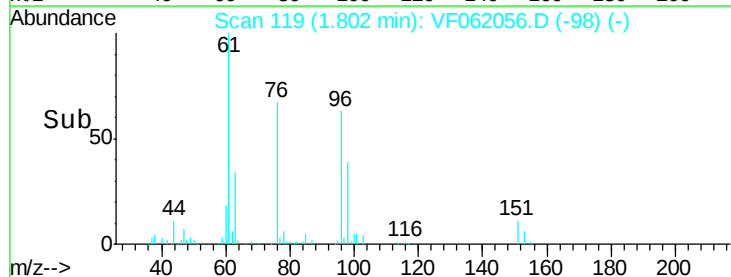
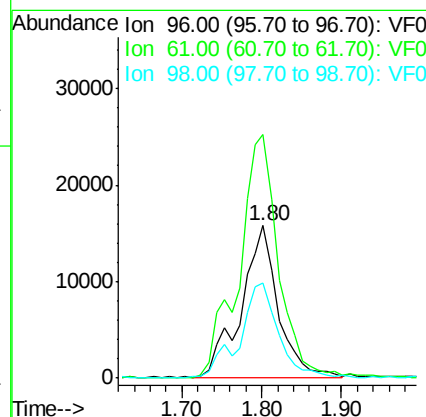
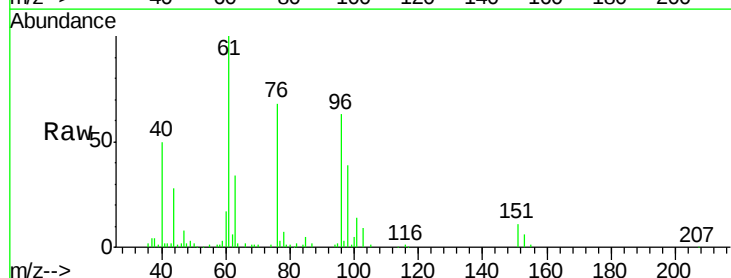


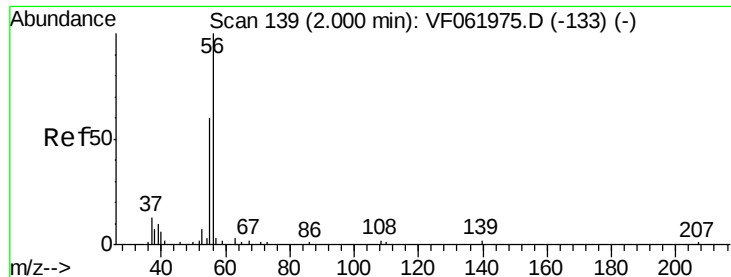
3/23/2019 2:59:12 AM



#12
1,1-Dichloroethene
Concen: 21.435 ug/l
RT: 1.80 min Scan# 119
Delta R.T. 0.01 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion: 96 Resp: 51410
Ion Ratio Lower Upper
96 100
61 159.7 138.6 208.0
98 62.3 53.2 79.8





#13
Acrolein
Concen: 89.028 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

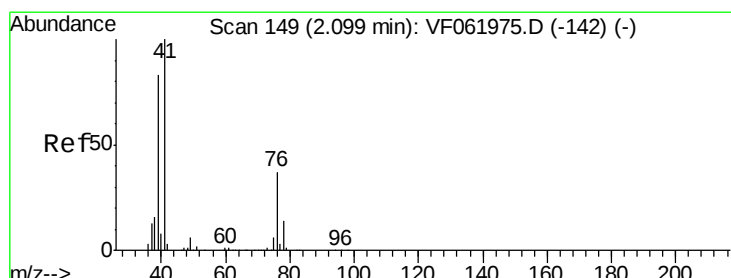
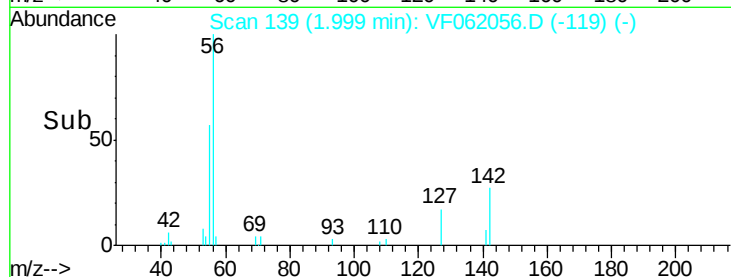
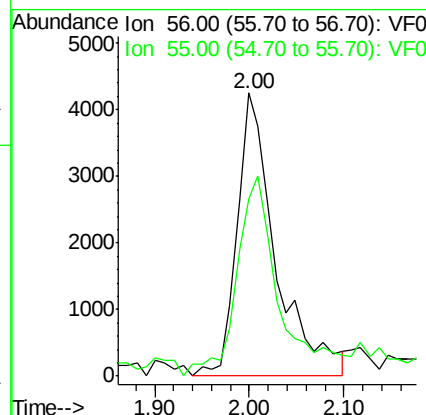
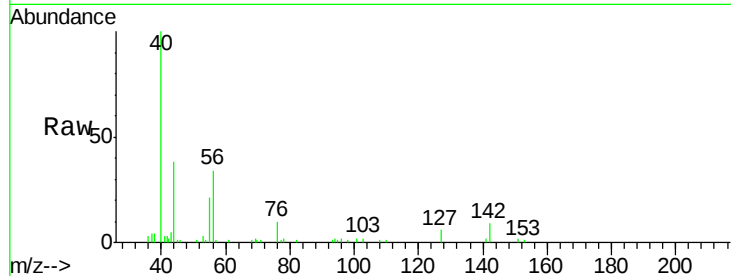
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

Tot Ion	56	Resp	12030
Ion Ratio	100	Lower	Upper
55	62.5	49.1	73.7

Manual Integrations
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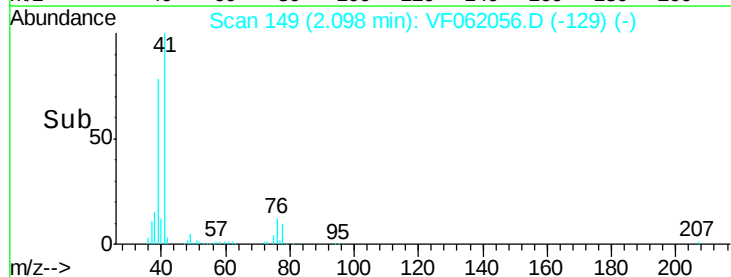
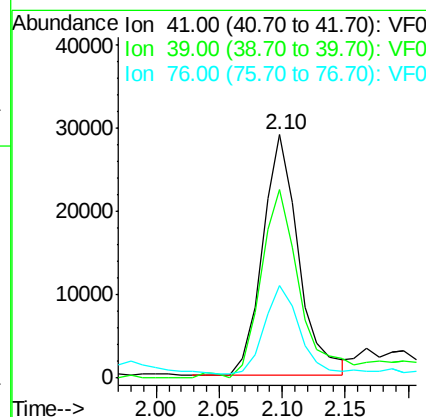
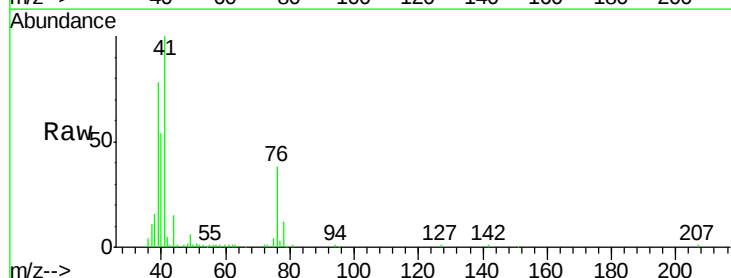
MMDadoda

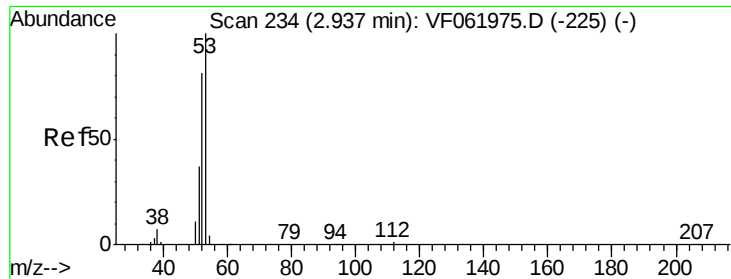
3/23/2019 2:59:12 AM



#14
Allyl chloride
Concen: 18.767 ug/l
RT: 2.10 min Scan# 149
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion	41	Resp	57456
Ion Ratio	100	Lower	Upper
39	77.7	66.8	100.2
76	38.1	31.1	46.7





#15

Acrylonitrile

Concen: 107.521 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

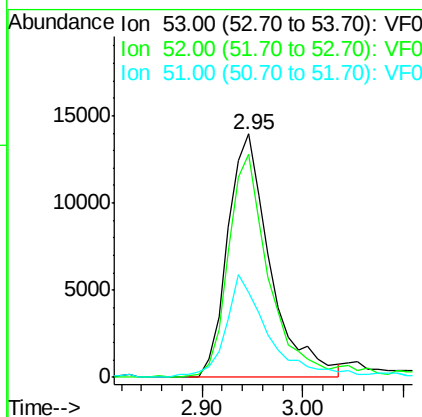
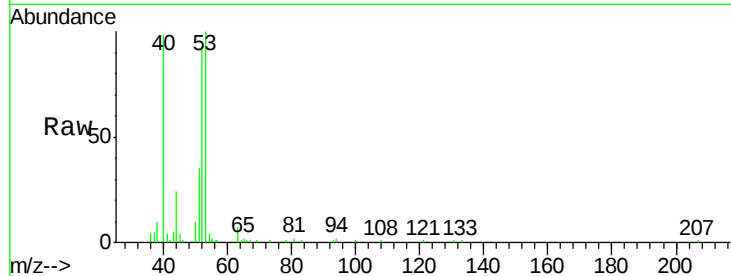
ClientSampleId :

VF0321SBS01

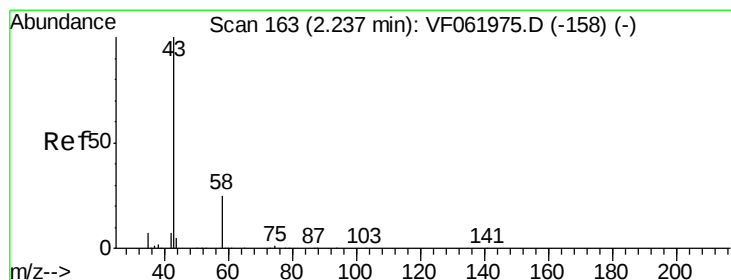
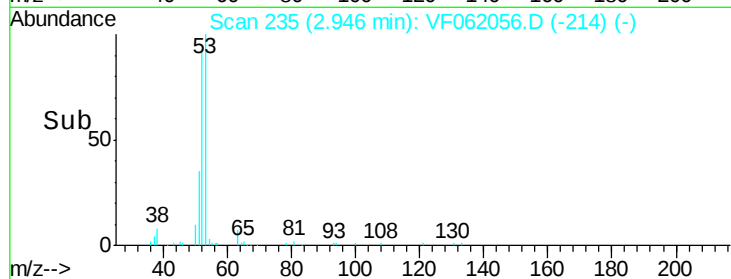
Tot Ion:	53	Resp:	40927
Ion Ratio	Lower	Upper	
53	100		
52	91.7	64.4	96.6
51	35.1	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 119.352 ug/l

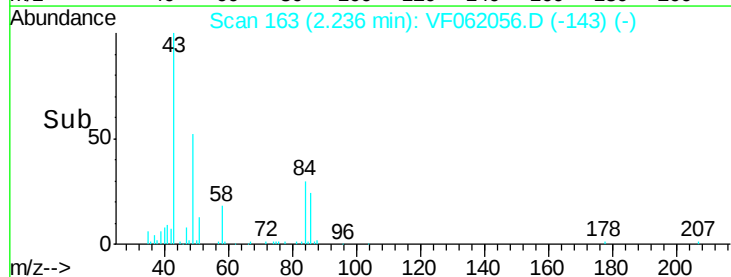
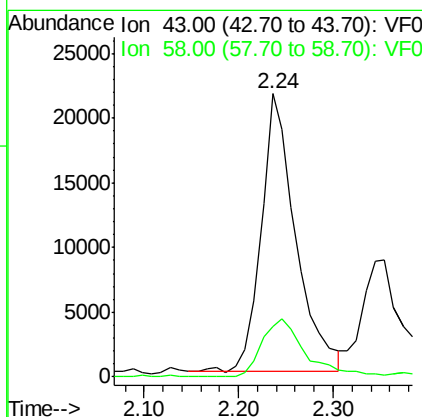
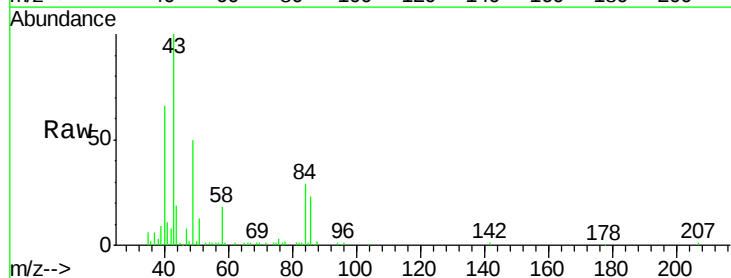
RT: 2.24 min Scan# 163

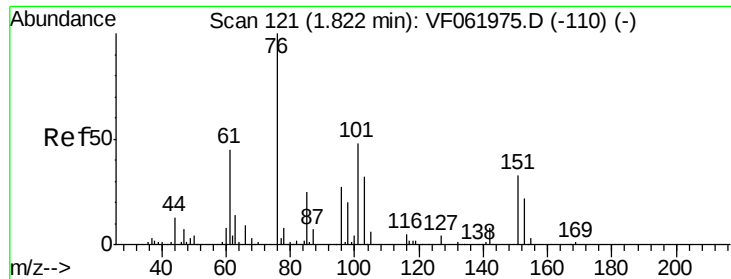
Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Tgt Ion:	43	Resp:	54824
Ion Ratio	Lower	Upper	
43	100		
58	17.8	19.9	29.9#





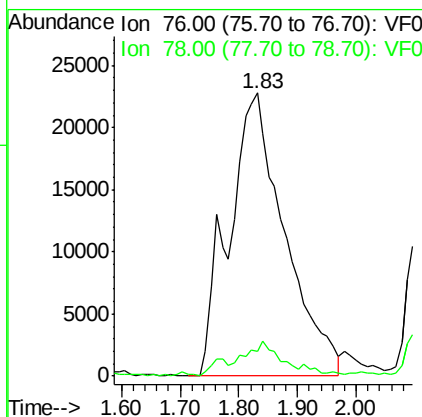
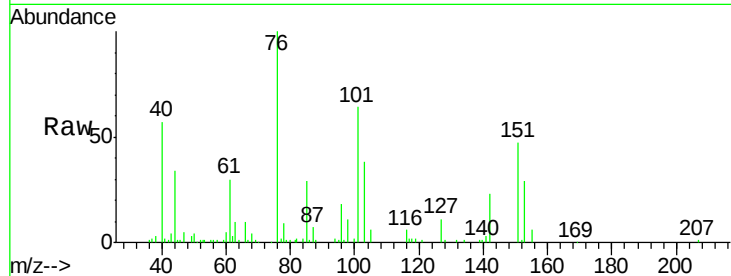
#17
Carbon Disulfide
Concen: 21.715 ug/l m
RT: 1.83 min Scan# 122
Delta R.T. 0.01 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

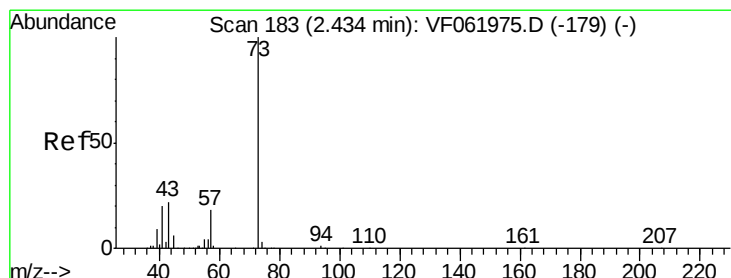
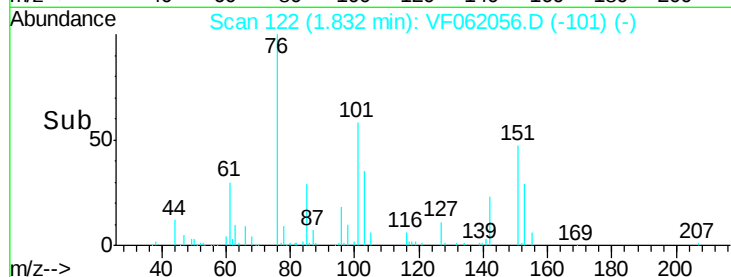
Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.8	10.2

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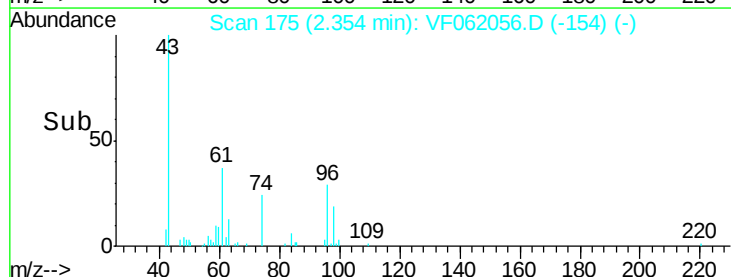
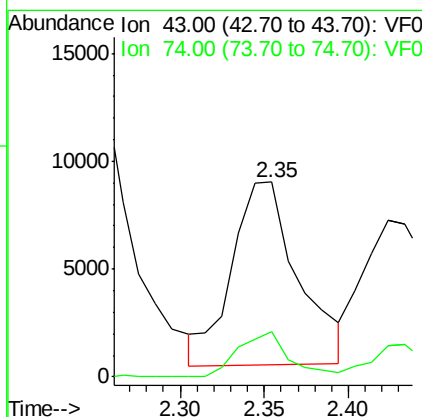
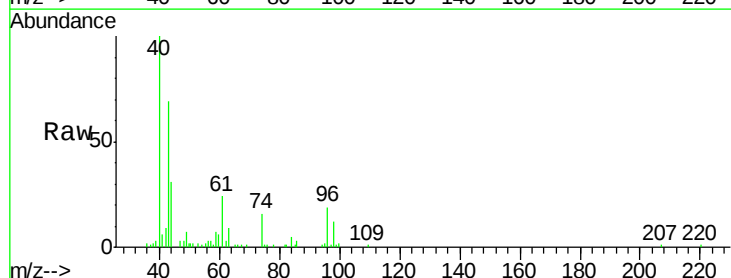


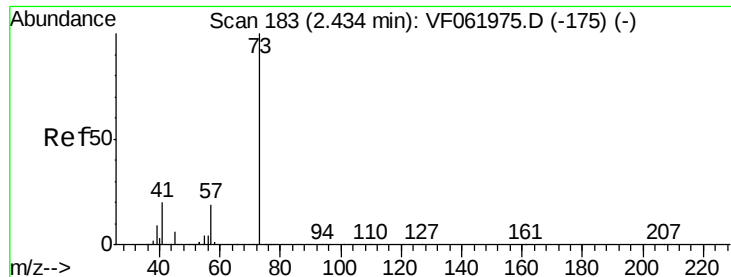
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#18
Methyl Acetate
Concen: 22.249 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.01 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.3	27.5





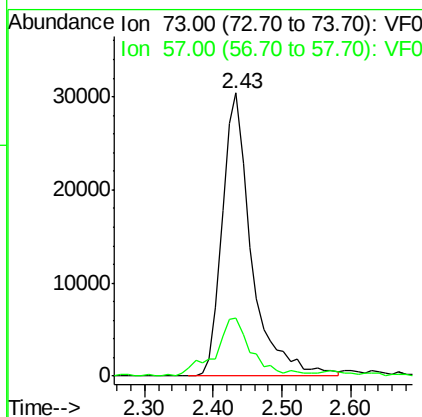
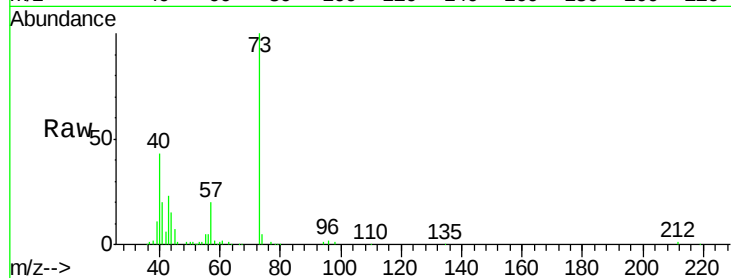
#19
Methyl tert-butyl Ether
Concen: 20.647 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

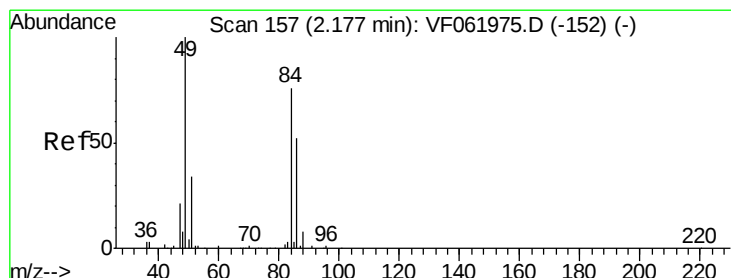
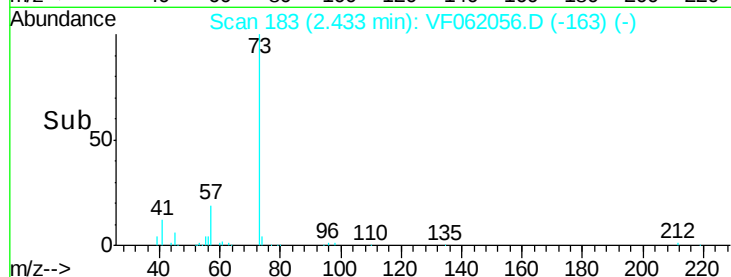
Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	20.4	15.3	22.9

Manual Integrations
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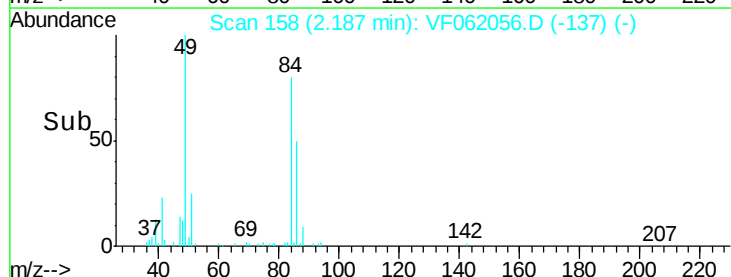
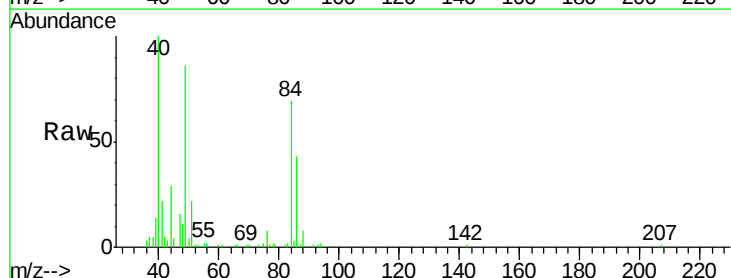
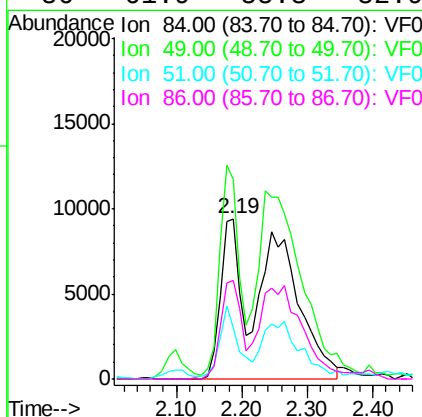


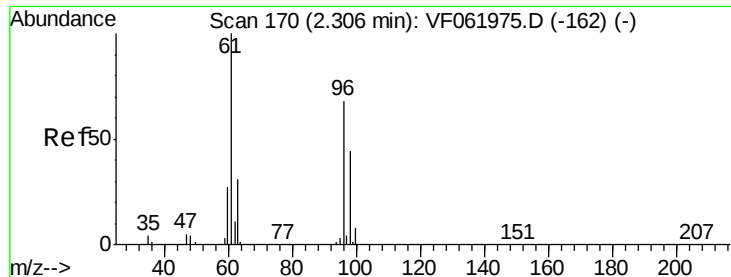
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#20
Methylene Chloride
Concen: 23.207 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	125.1	107.0	160.6
51	51	32.3	37.2	55.8#
86	86	61.9	55.3	82.9





#21

trans-1,2-Dichloroethene

Concen: 21.169 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

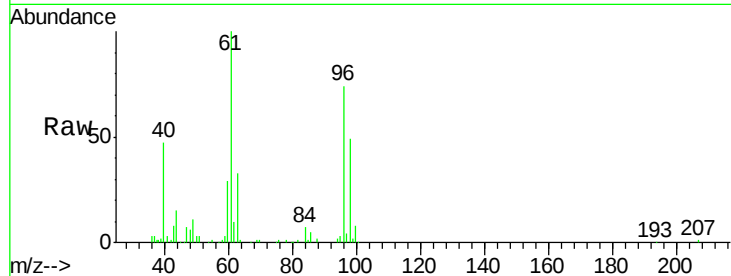
ClientSampleId :

VF0321SBS01

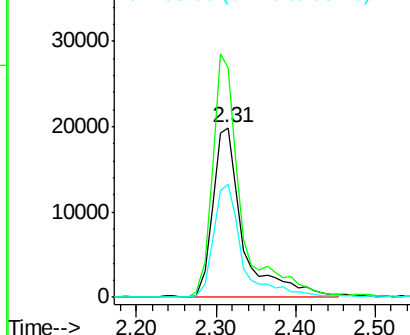
Tot Ion:	96	Resp:	52984
Ion	Ratio	Lower	Upper
96	100		
61	135.7	117.4	176.2
98	66.4	51.2	76.8

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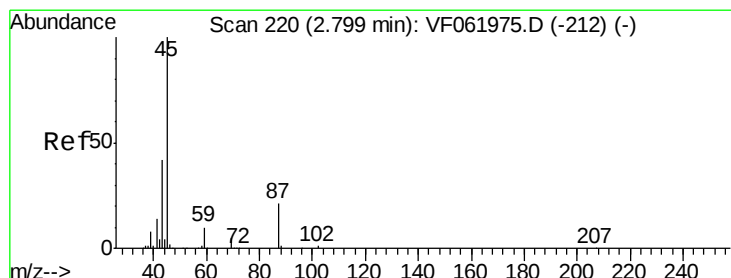
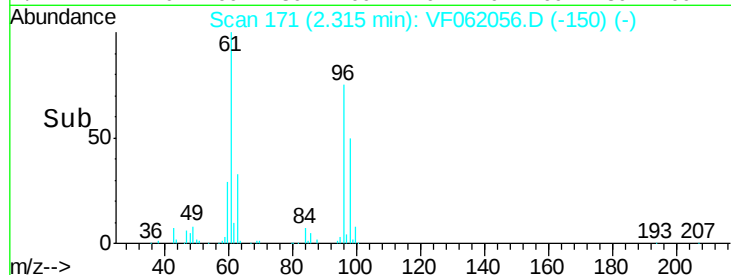
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Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



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#22

Diisopropyl ether

Concen: 20.478 ug/l

RT: 2.80 min Scan# 220

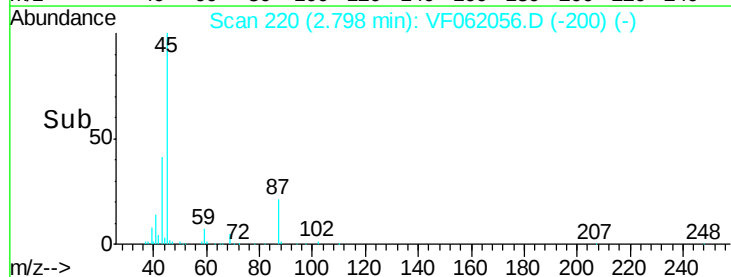
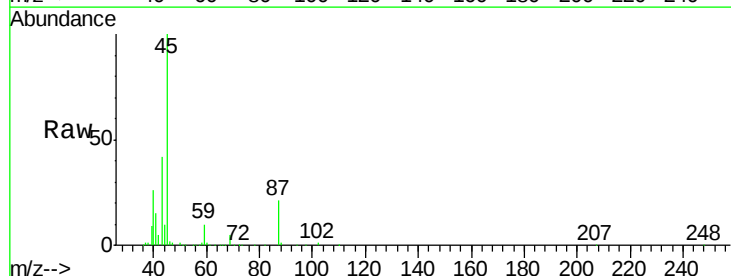
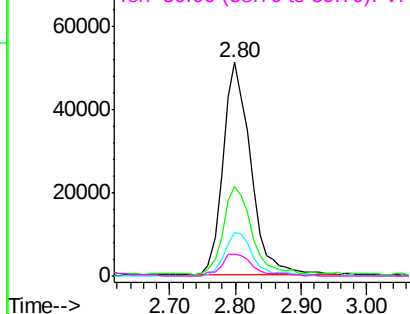
Delta R.T. -0.00 min

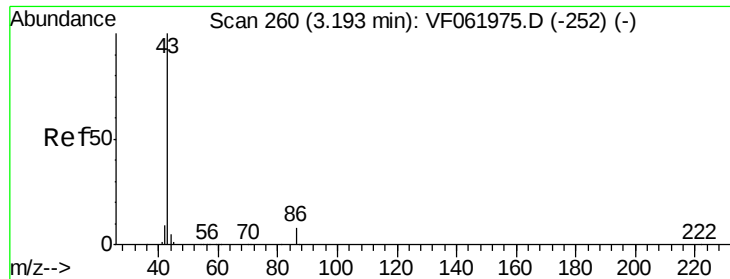
Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Tgt Ion:	45	Resp:	150804
Ion	Ratio	Lower	Upper
45	100		
43	41.9	33.7	50.5
87	20.5	17.1	25.7
59	10.4	8.0	12.0

Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 115.235 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

Tot Ion: 43 Resp: 334528

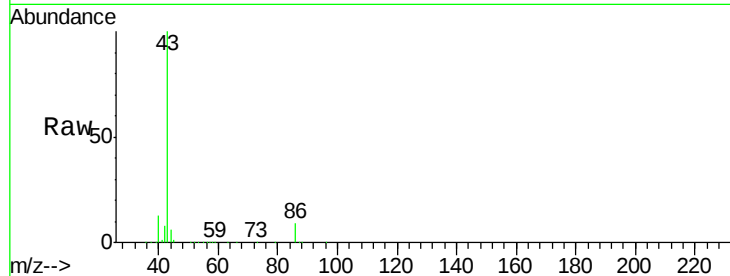
Ion Ratio Lower Upper

43 100

86 9.2 6.5 9.7

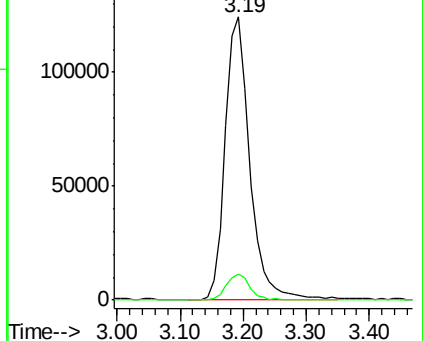
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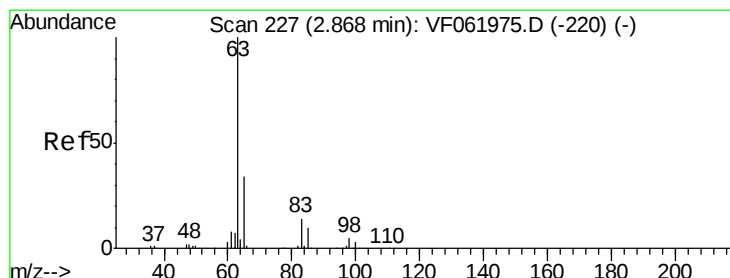
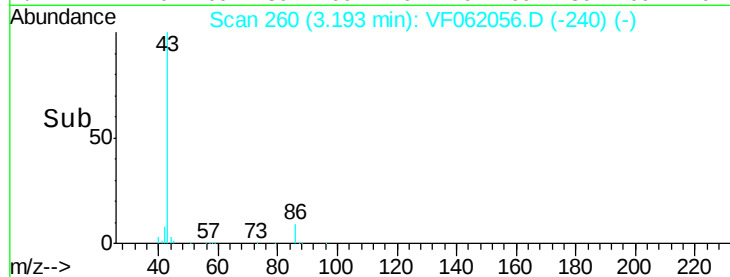


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



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#24

1,1-Dichloroethane

Concen: 21.750 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

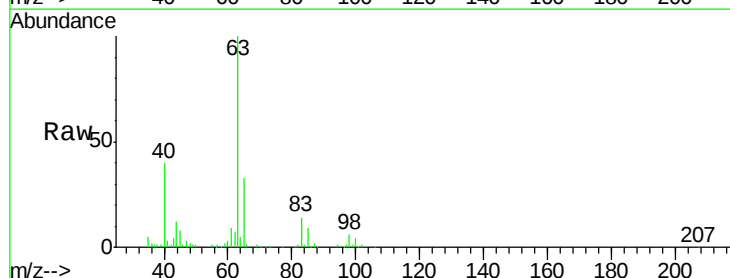
Tgt Ion: 63 Resp: 93131

Ion Ratio Lower Upper

63 100

98 5.7 2.7 8.1

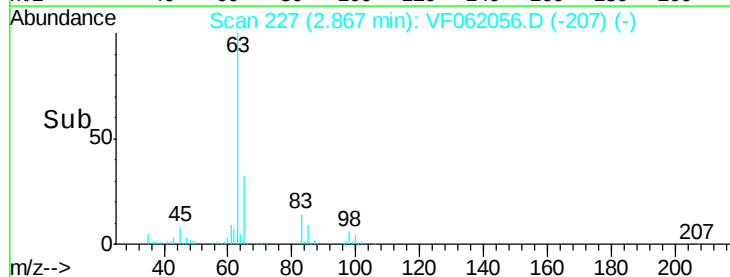
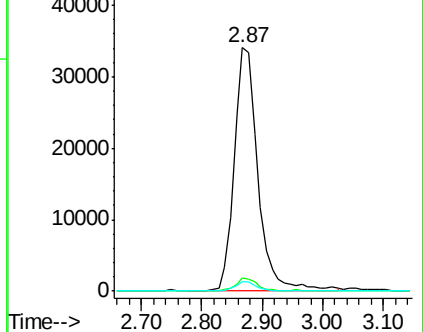
100 3.9 1.7 5.0

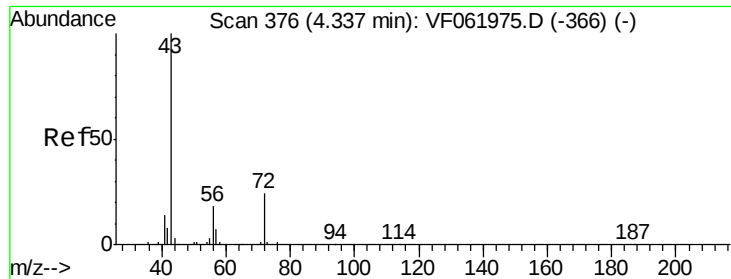


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 113.852 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Tot Ion: 43 Resp: 103573

Ion Ratio Lower Upper

43 100

72 24.3 19.8 29.6

Instrument :

MSVOA_F

ClientSampleId :

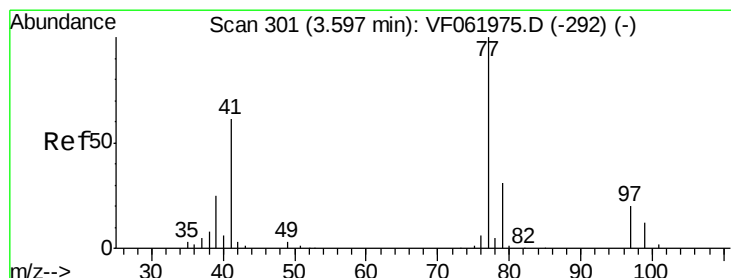
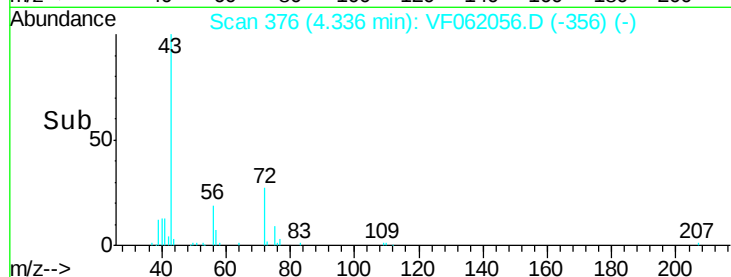
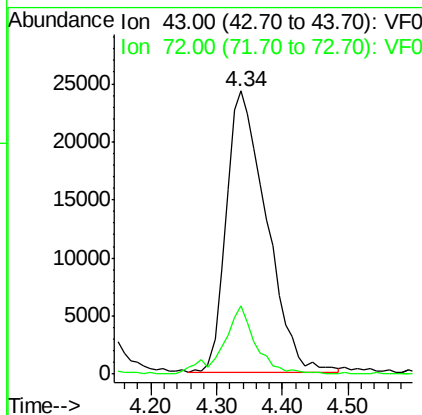
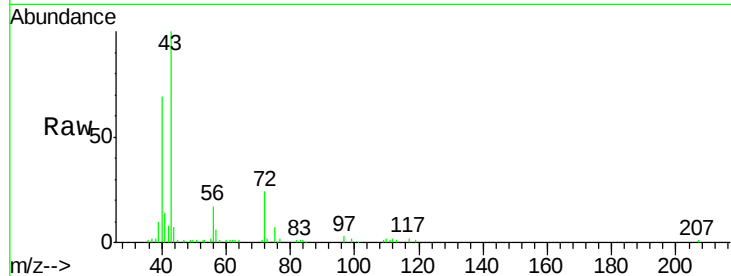
VF0321SBS01

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3/23/2019 2:59:12 AM



#26

2,2-Dichloropropane

Concen: 19.585 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.00 min

Lab File: VF062056.D

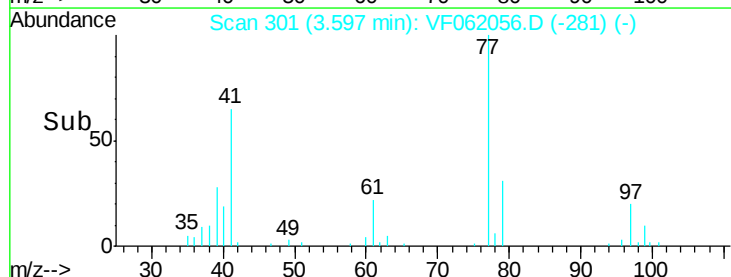
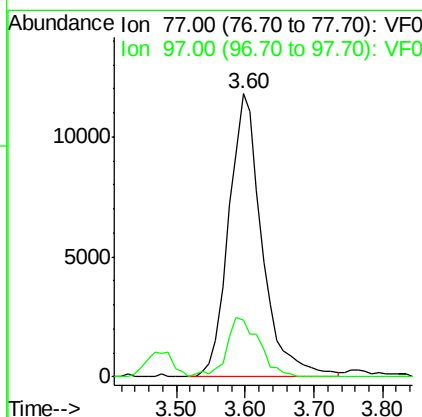
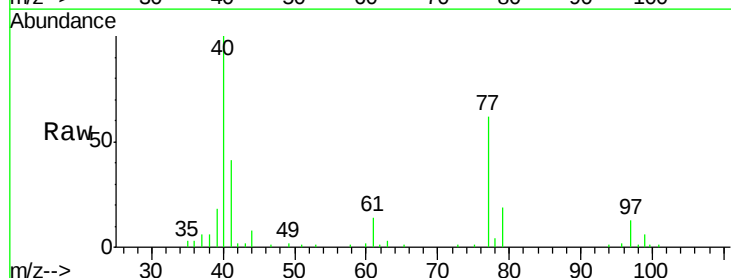
Acq: 21 Mar 2019 13:04

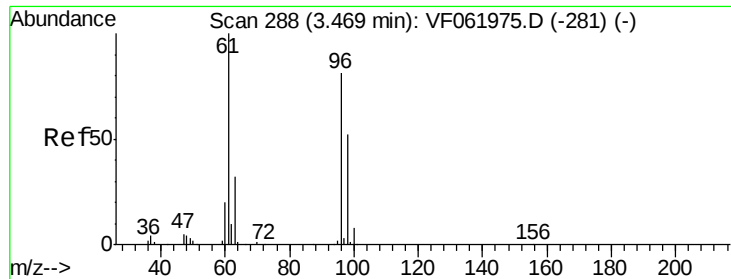
Tgt Ion: 77 Resp: 39557

Ion Ratio Lower Upper

77 100

97 20.2 10.8 32.4





#27

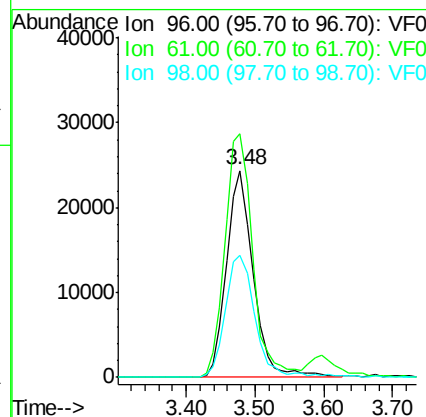
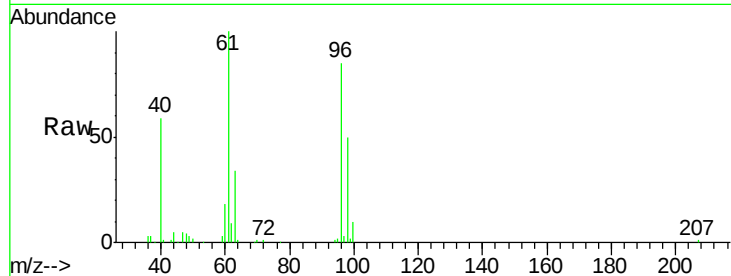
cis-1,2-Dichloroethene
 Concen: 20.824 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. 0.01 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

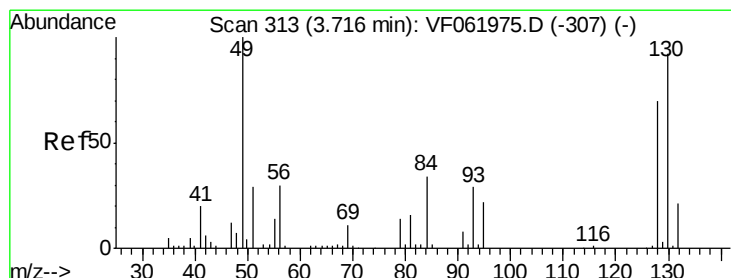
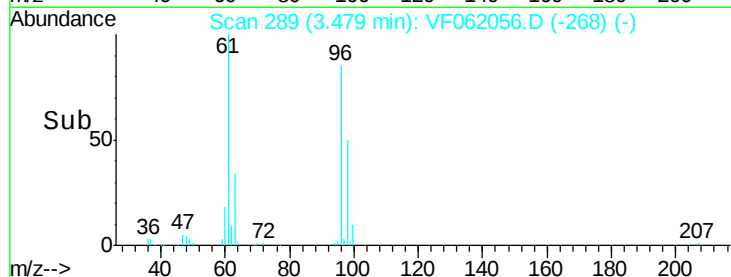
Tot Ion:	96	Resp:	65692
Ion	Ratio	Lower	Upper
96	100		
61	117.7	0.0	246.6
98	58.8	0.0	129.2

Manual Integrations
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MM Dadoda



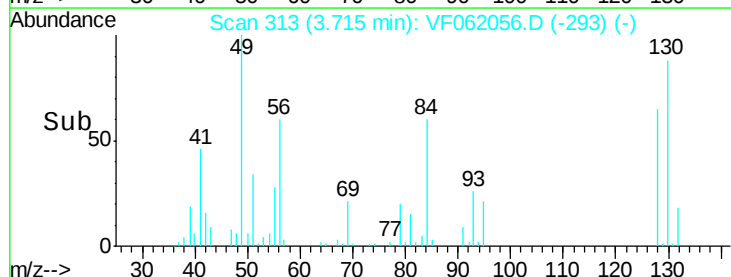
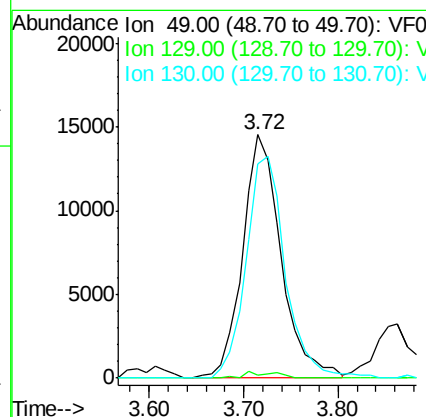
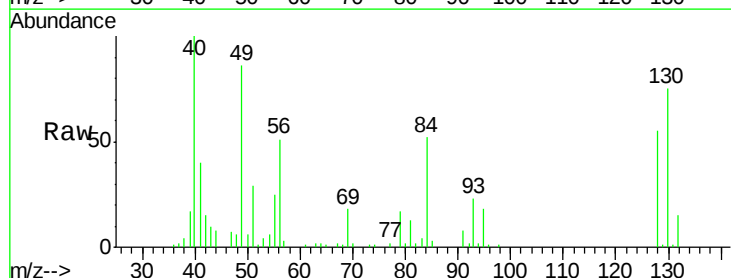
3/23/2019 2:59:12 AM

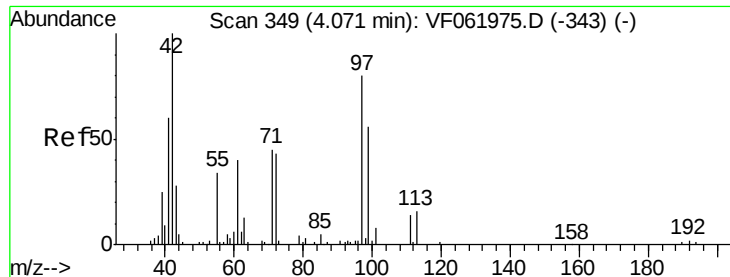


#28

Bromochloromethane
 Concen: 23.106 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Tgt Ion:	49	Resp:	41053
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	5.8
130	87.8	73.1	109.7





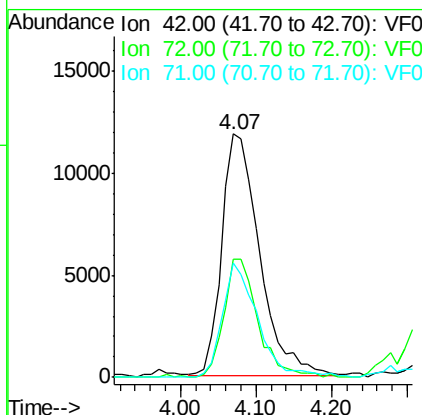
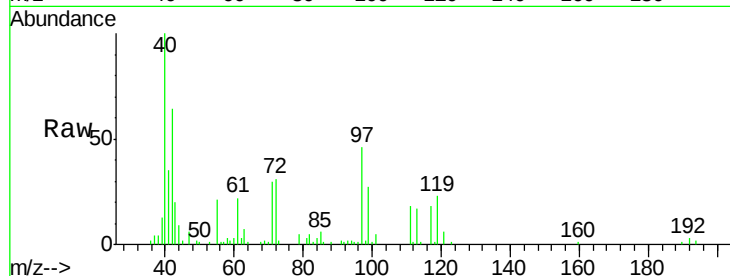
#29
Tetrahydrofuran
Concen: 103.965 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

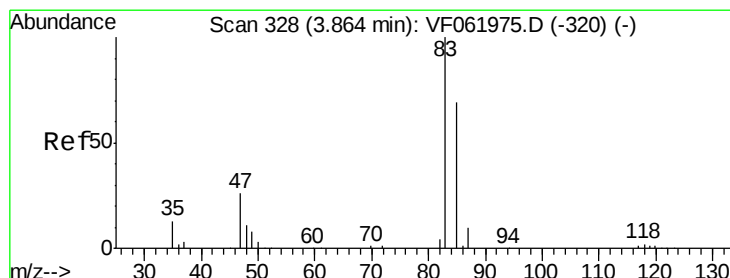
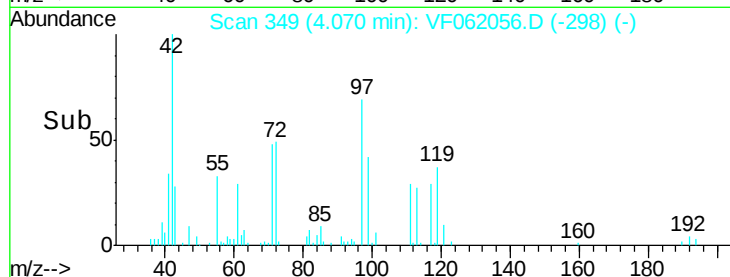
Tot Ion:	42	Resp:	41132
Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.0	51.0
71	44.4	34.2	51.4

Manual Integrations
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MM Dadoda

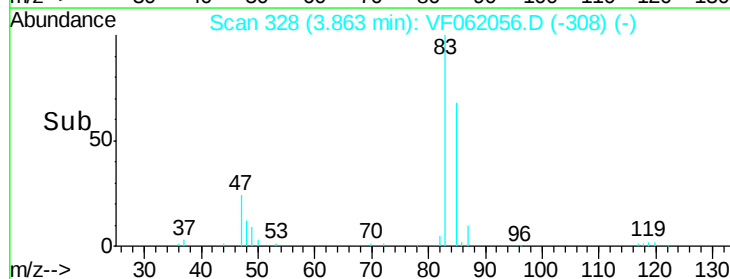
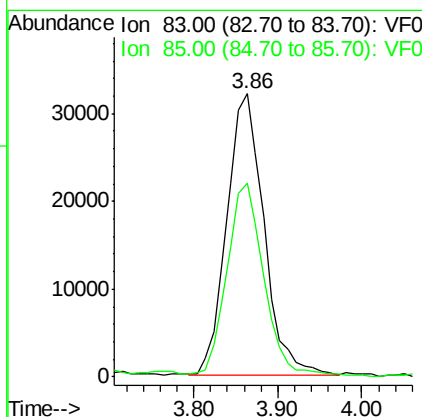
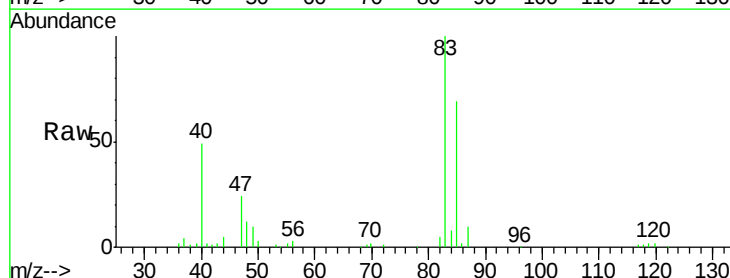


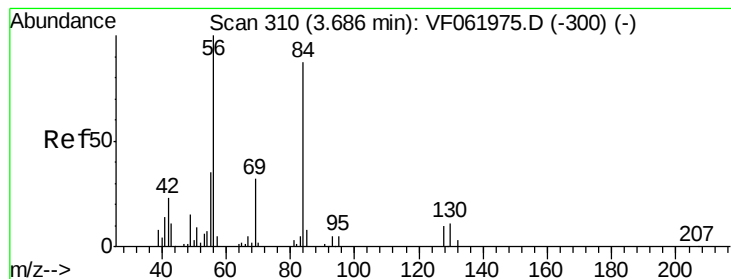
3/23/2019 2:59:12 AM



#30
Chloroform
Concen: 20.299 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion:	83	Resp:	98484
Ion	Ratio	Lower	Upper
83	100		
85	68.7	55.5	83.3





#31

Cyclohexane

Concen: 21.399 ug/l

RT: 3.69 min Scan# 310

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

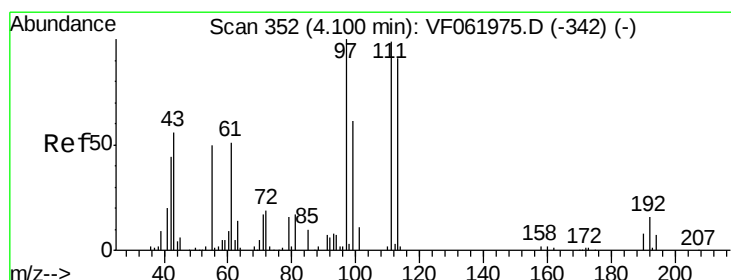
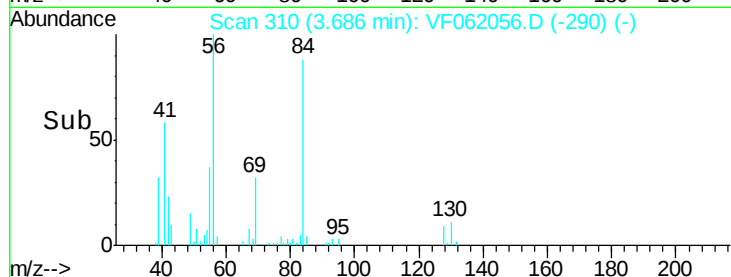
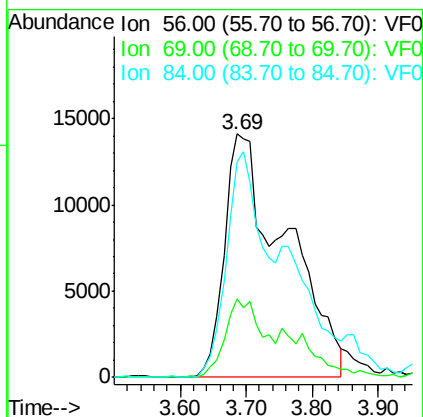
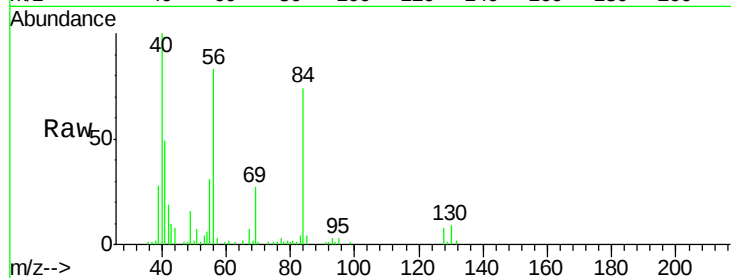
Tot Ion:	56	Resp:	90518
Ion Ratio	Lower	Upper	
56	100		
69	32.3	25.8	38.8
84	88.3	69.5	104.3

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.904 ug/l

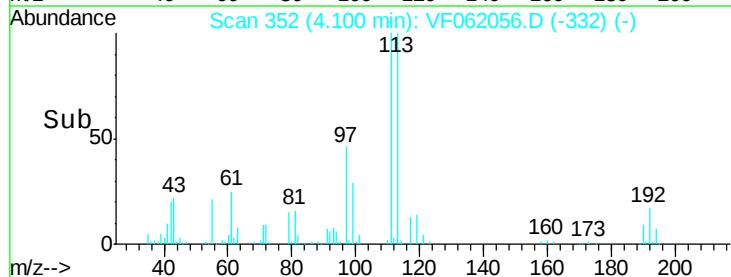
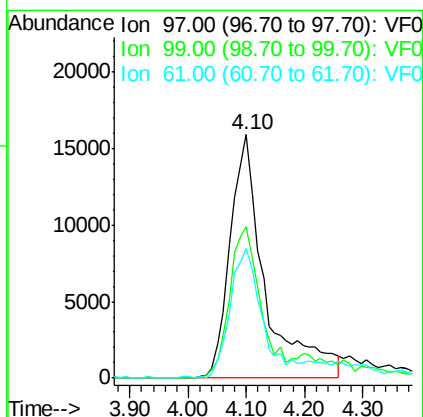
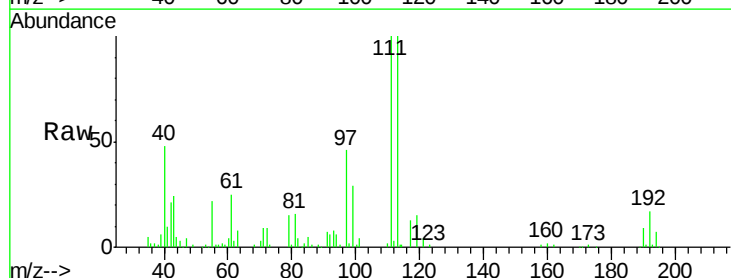
RT: 4.10 min Scan# 352

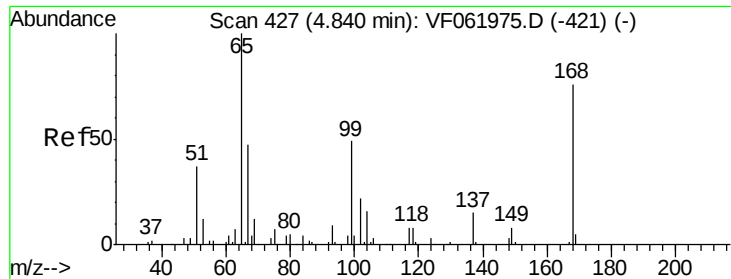
Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Tgt Ion:	97	Resp:	67353
Ion Ratio	Lower	Upper	
97	100		
99	62.5	49.0	73.4
61	53.4	41.4	62.0





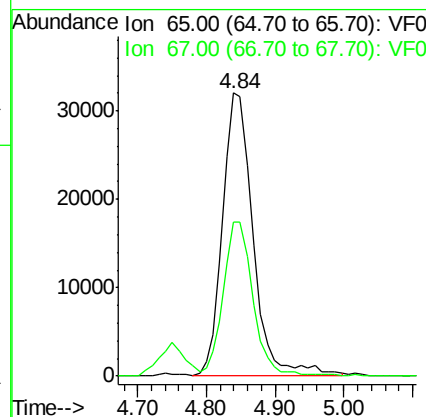
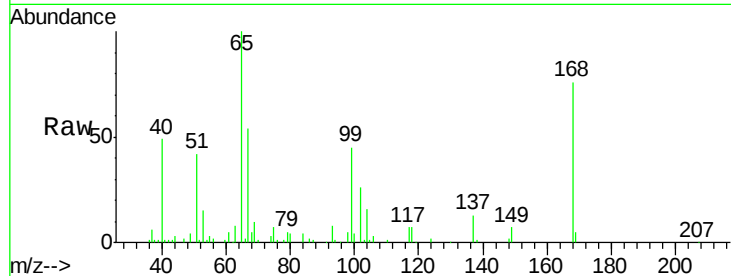
#33
 1,2-Dichloroethane-d4
 Concen: 48.424 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

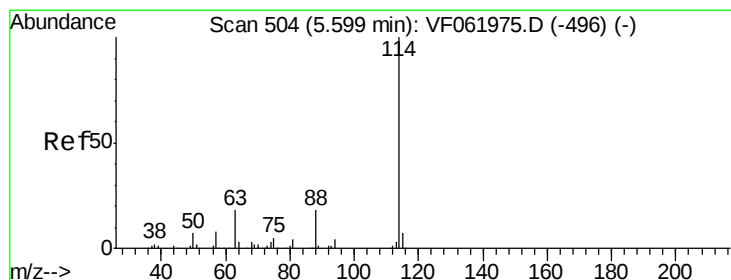
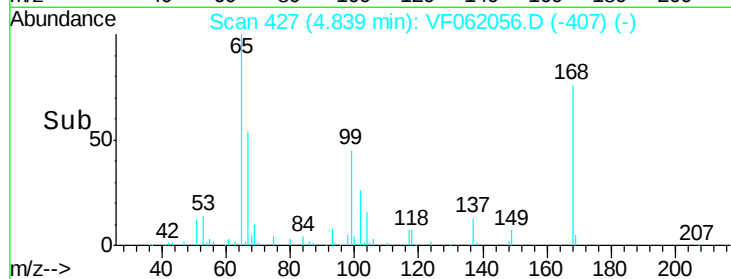
Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.5	0.0	109.4	

Manual Integrations
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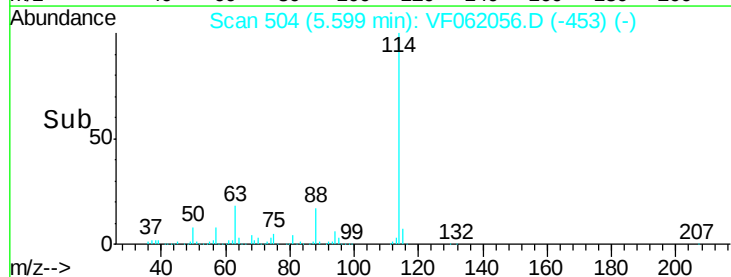
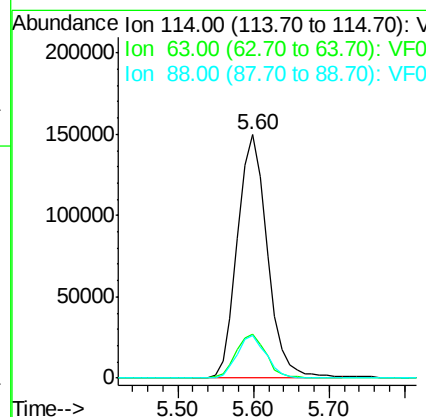
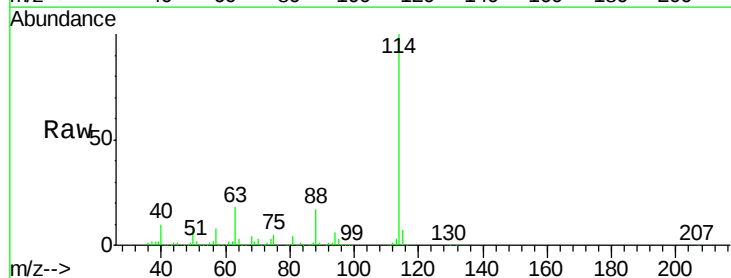


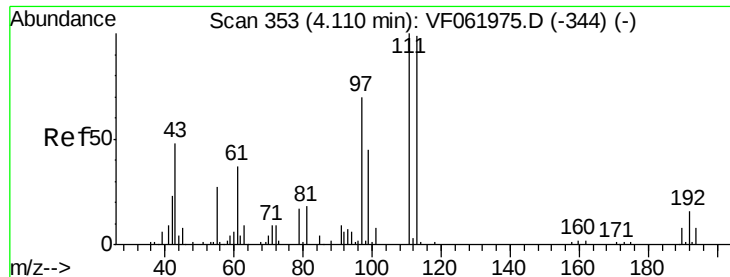
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.2	0.0	36.4	
88	17.4	0.0	36.4	





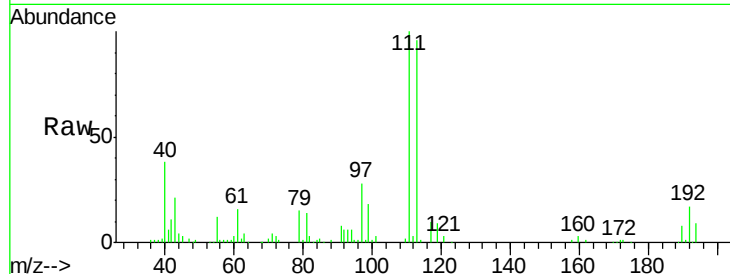
#35
Dibromofluoromethane
Concen: 48.013 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

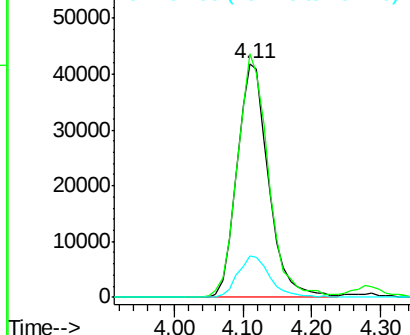
Tot Ion	Ratio	Resp	Lower	Upper
113	100	132473		
111	104.3	80.8	121.2	
192	18.1	13.0	19.6	

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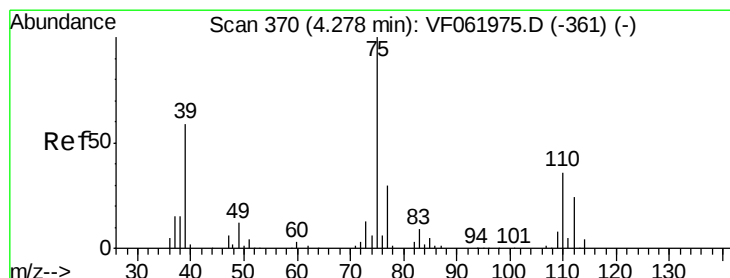
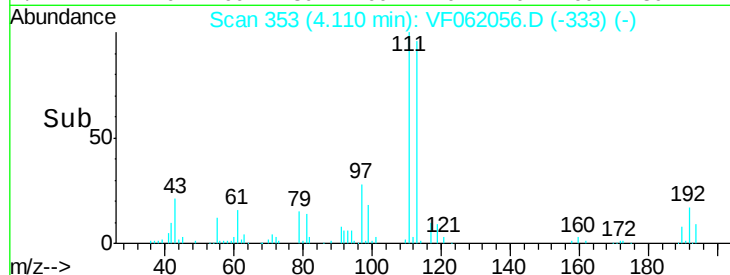
MM Dadoda



Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

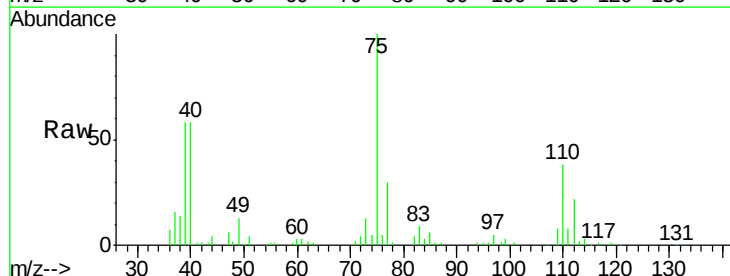


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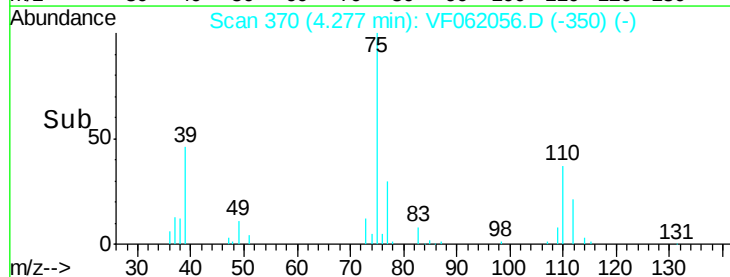
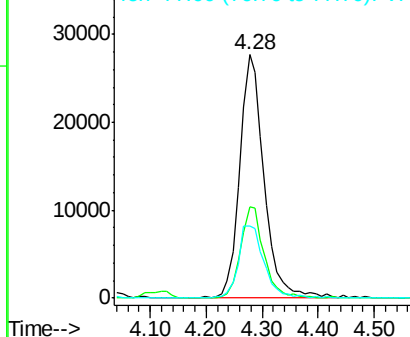


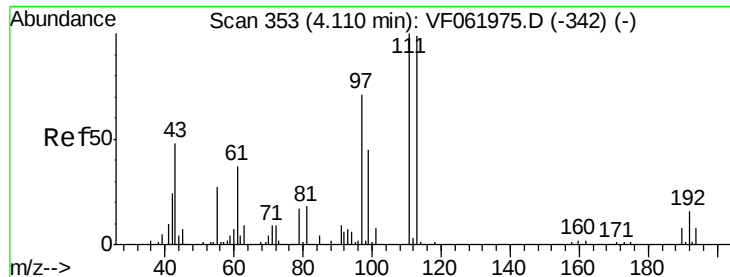
#36
1,1-Dichloropropene
Concen: 22.435 ug/l
RT: 4.28 min Scan# 370
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83243		
110	37.5	17.8	53.3	
77	29.8	24.2	36.2	



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0





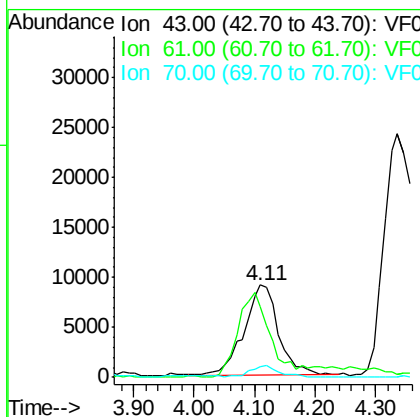
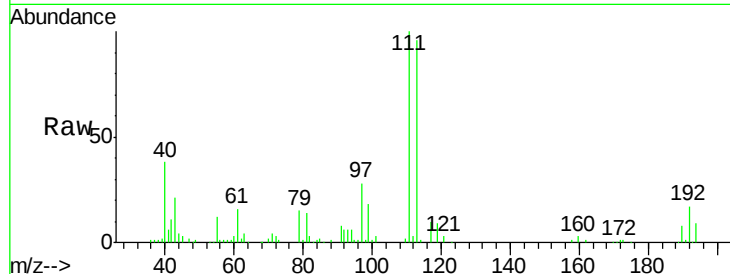
#37
Ethyl Acetate
Concen: 21.403 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

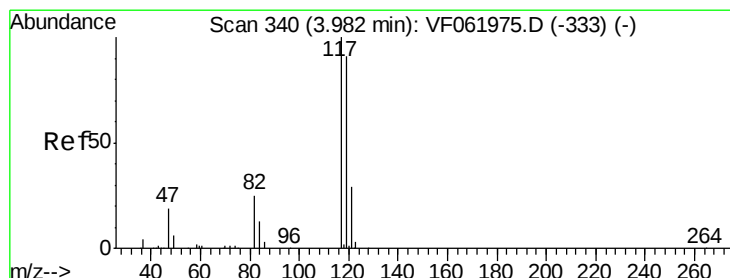
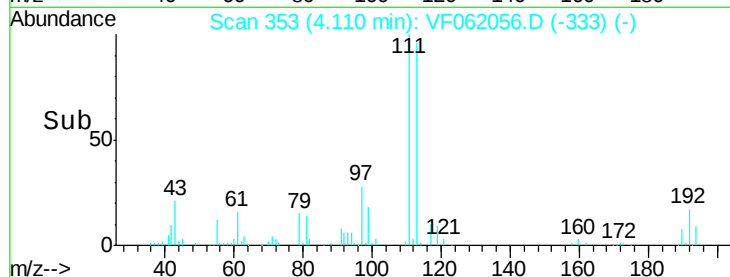
Tot Ion	43	Resp	35657
Ion	Ratio	Lower	Upper
43	100		
61	76.5	59.8	89.6
70	11.6	7.8	11.8

Manual Integrations
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MM Dadoda

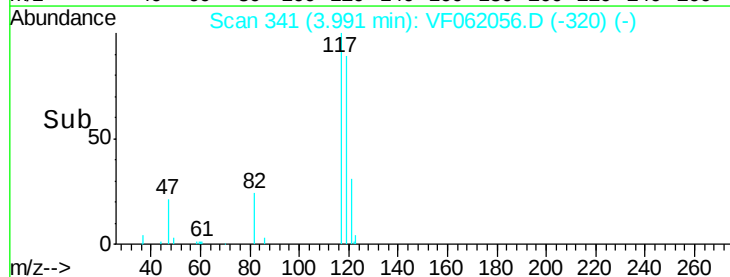
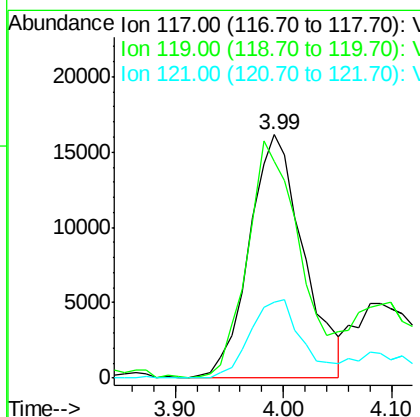
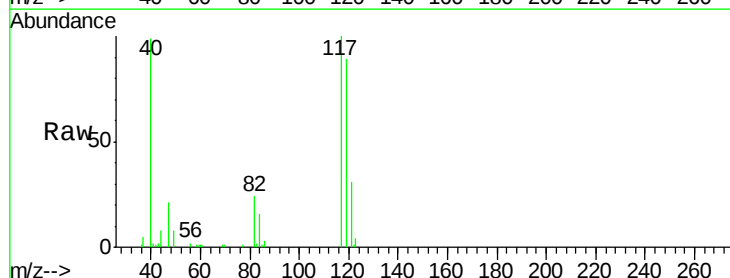


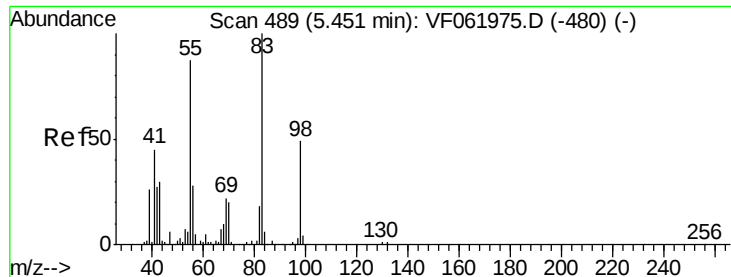
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#38
Carbon Tetrachloride
Concen: 20.817 ug/l
RT: 3.99 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion	117	Resp	56449
Ion	Ratio	Lower	Upper
117	100		
119	89.0	73.0	109.4
121	31.3	23.0	34.6





#39
Methvlcvclohexane
Concen: 21.647 ug/l
RT: 5.46 min Scan# 490
Delta R.T. 0.01 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

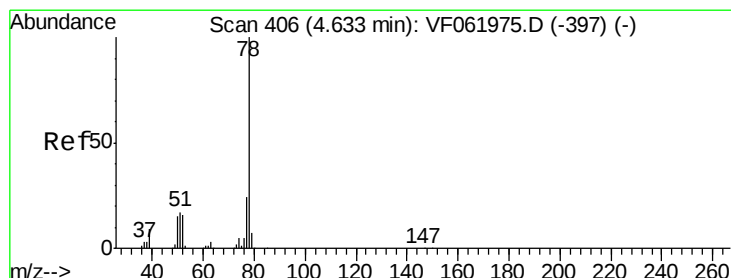
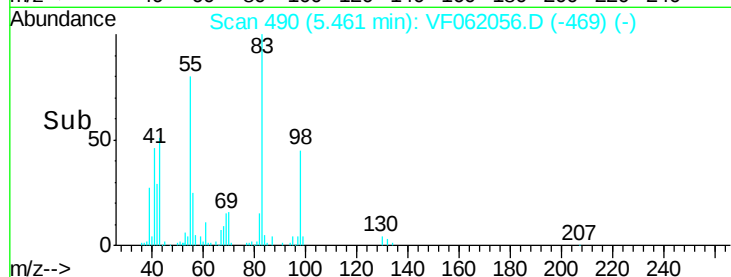
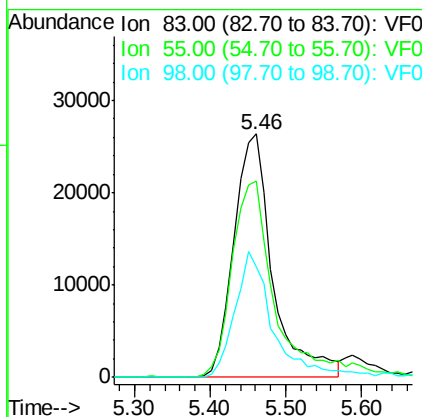
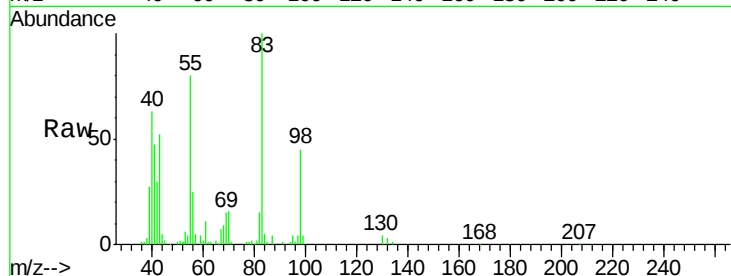
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.4	69.7	104.5
98	45.2	39.4	59.0

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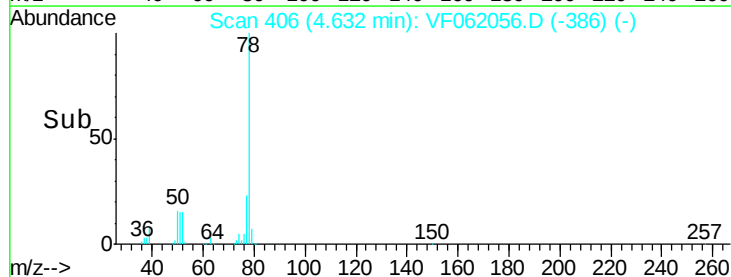
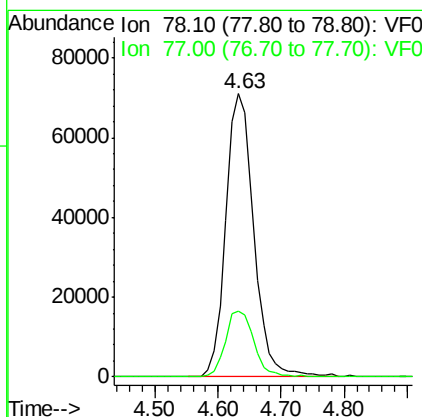
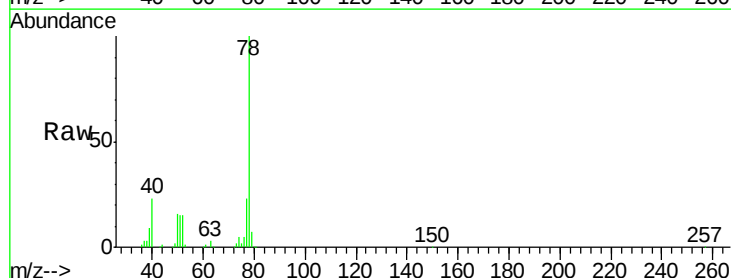
MMDadoda

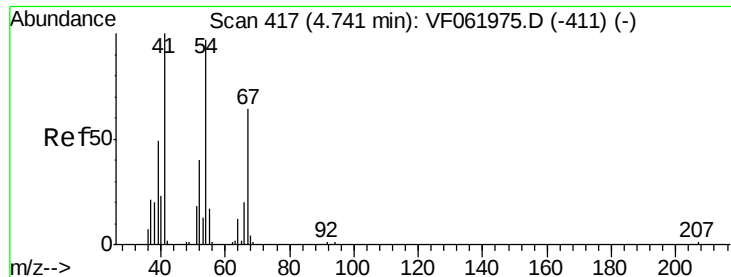
3/23/2019 2:59:12 AM



#40
Benzene
Concen: 22.107 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4





#41
Methacrylonitrile
Concen: 22.477 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

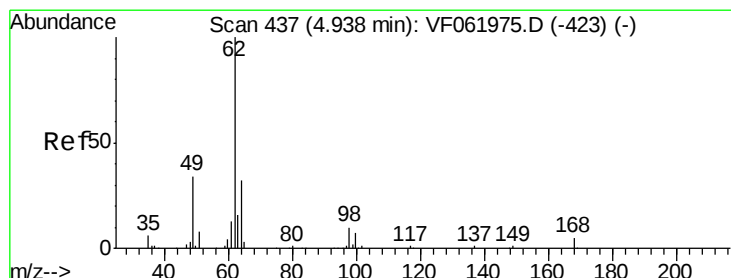
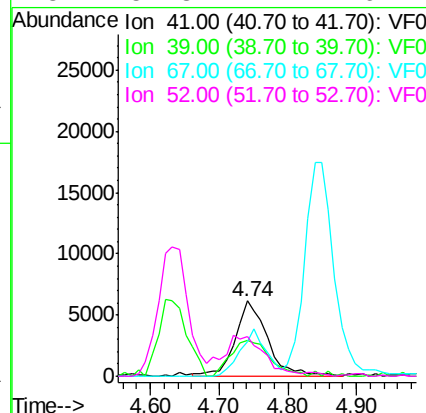
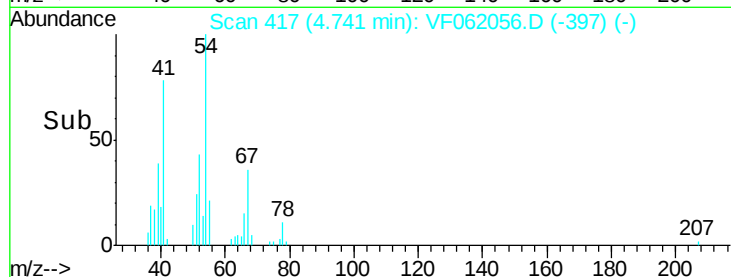
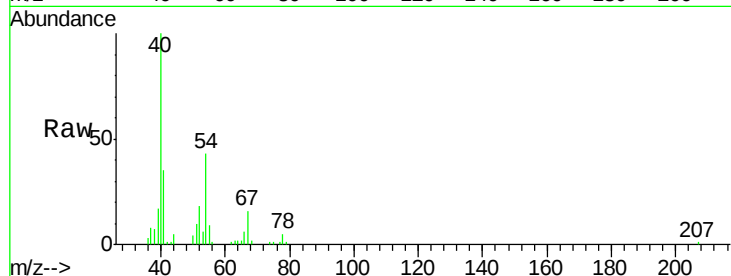
Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.4	46.2	69.4
67	45.3	49.8	74.8#
52	52.3	42.7	64.1

Manual Integrations
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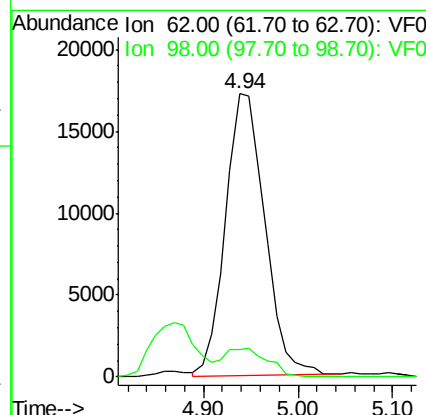
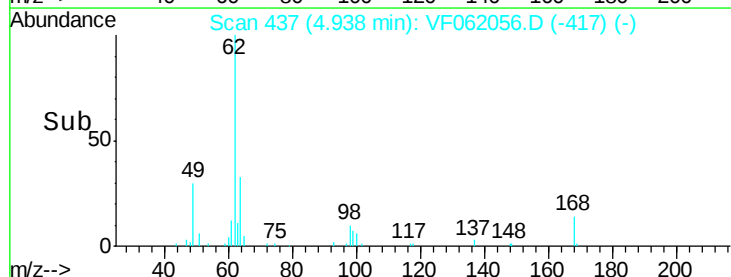
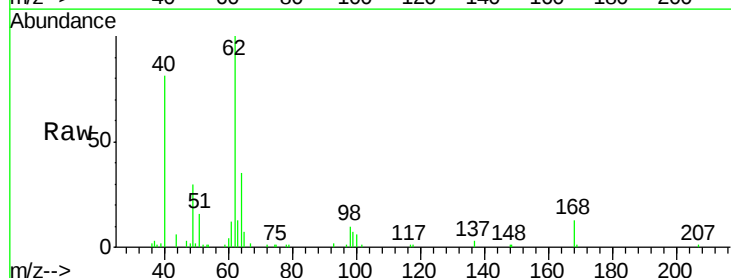
MMDadoda

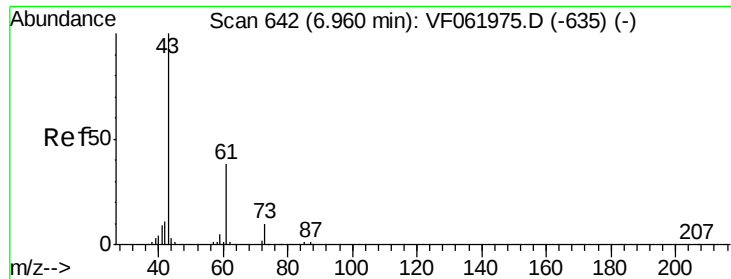
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#42
1,2-Dichloroethane
Concen: 20.340 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.8





#43

Isopropyl Acetate

Concen: 21.734 ug/l

RT: 6.96 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

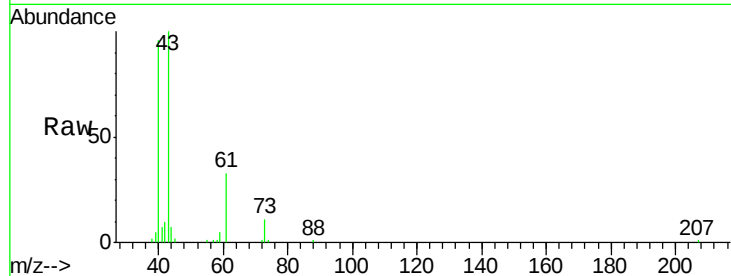
ClientSampleId :

VF0321SBS01

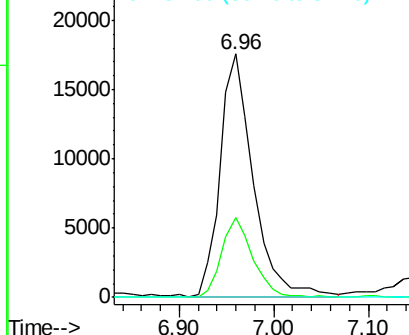
Tot Ion:	43	Resp:	42842
Ion Ratio	Lower	Upper	
43	100		
61	32.6	30.1	45.1
87	0.0	0.4	0.6

Manual Integrations
APPROVED

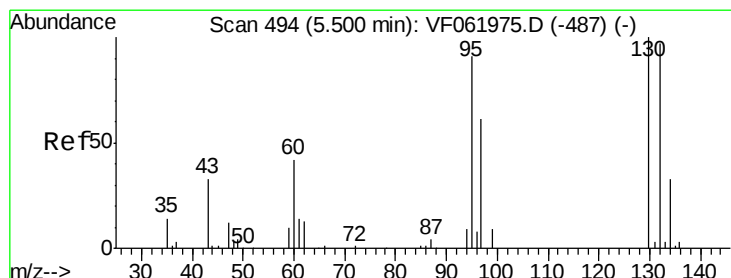
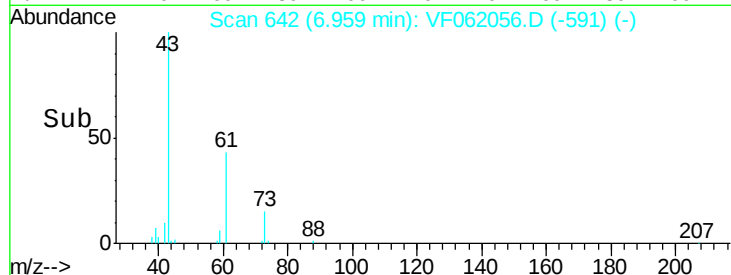
MMDadoda



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0



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#44

Trichloroethene

Concen: 21.984 ug/l

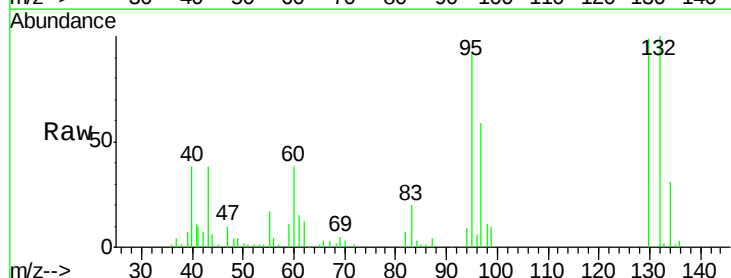
RT: 5.50 min Scan# 494

Delta R.T. -0.00 min

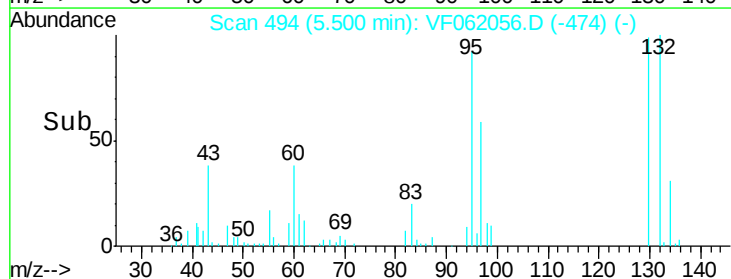
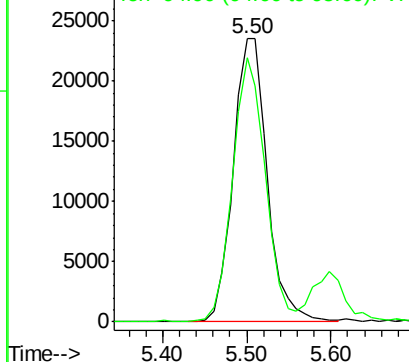
Lab File: VF062056.D

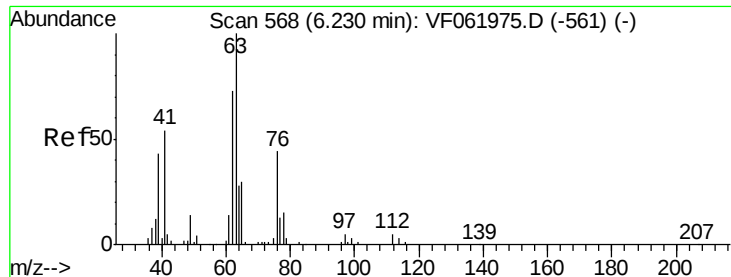
Acq: 21 Mar 2019 13:04

Tgt Ion:	130	Resp:	66213
Ion Ratio	Lower	Upper	
130	100		
95	93.5	0.0	181.4



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.583 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

Tot Ion: 63 Resp: 50218

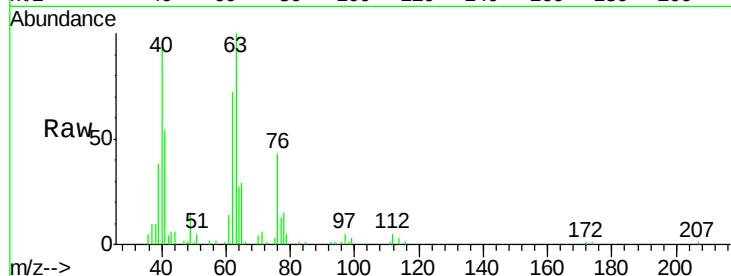
Ion Ratio Lower Upper

63 100

65 29.1 23.7 35.5

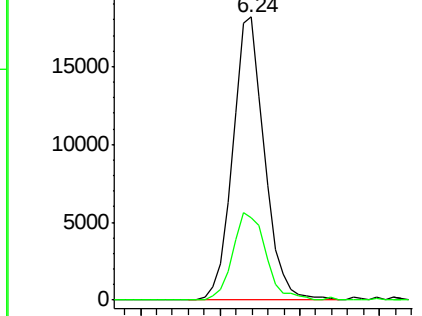
Manual Integrations
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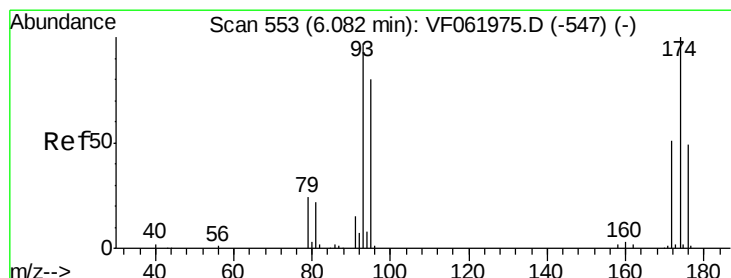
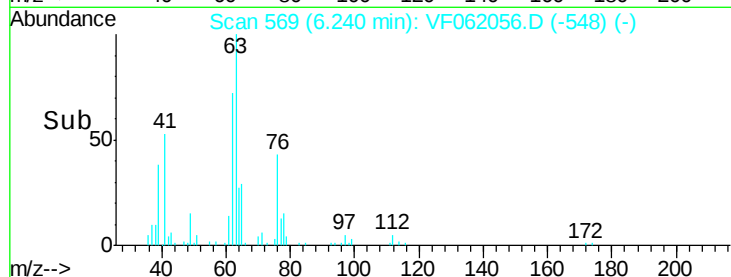


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



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#46

Dibromomethane

Concen: 21.458 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

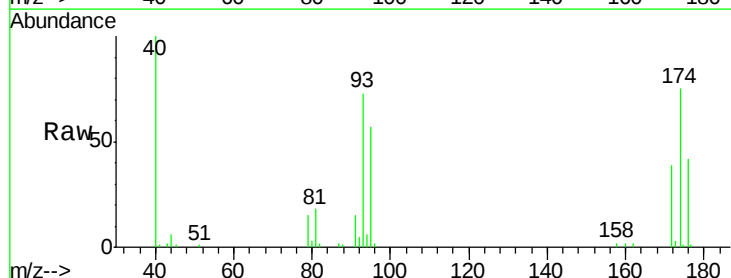
Tgt Ion: 93 Resp: 29701

Ion Ratio Lower Upper

93 100

95 77.8 65.7 98.5

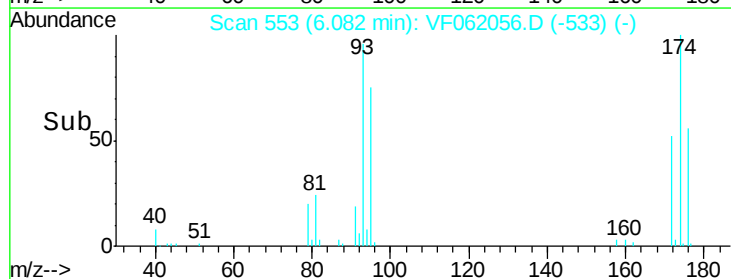
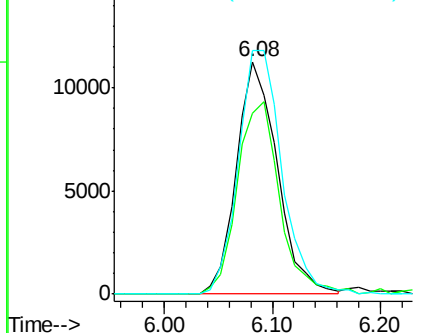
174 104.8 82.2 123.4

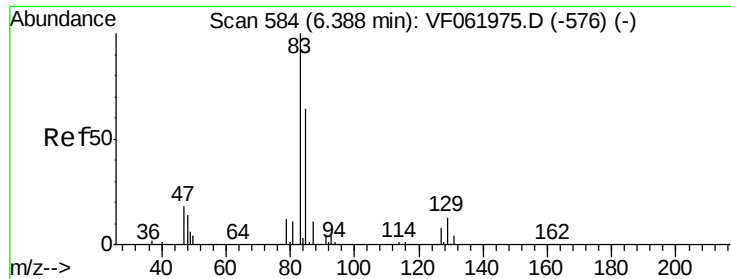


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 21.022 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

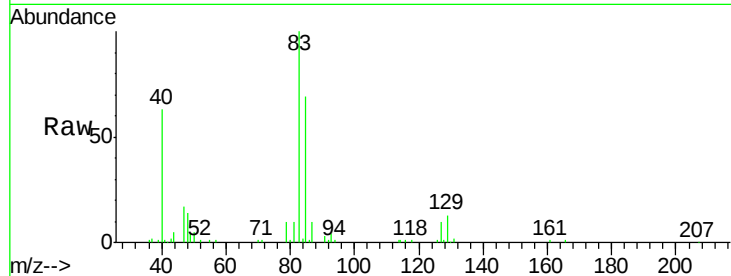
ClientSampleId :

VF0321SBS01

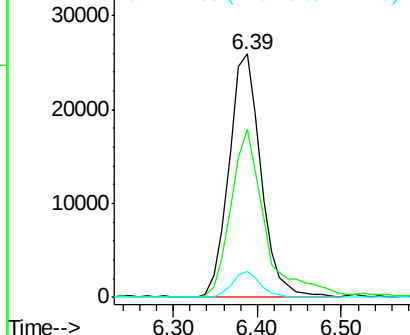
Tot Ion:	83	Resp:	68598
Ion	Ratio	Lower	Upper
83	100		
85	68.9	51.4	77.2
127	11.1	6.5	9.7#

Manual Integrations
APPROVED

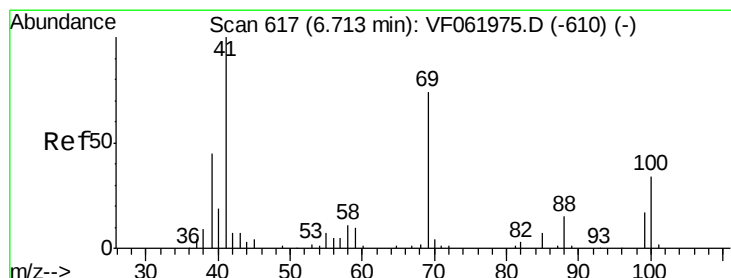
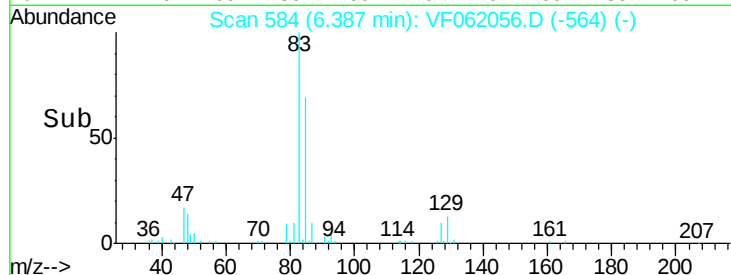
MMDadoda



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



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#48

Methyl methacrylate

Concen: 19.812 ug/l

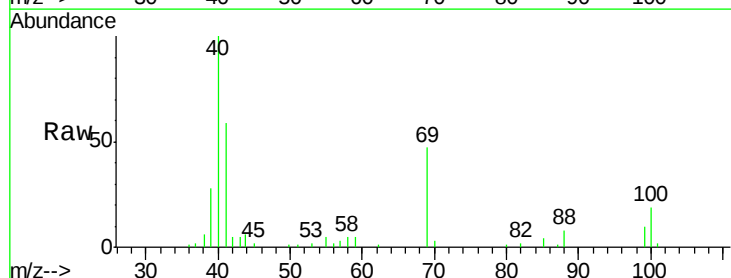
RT: 6.72 min Scan# 618

Delta R.T. 0.01 min

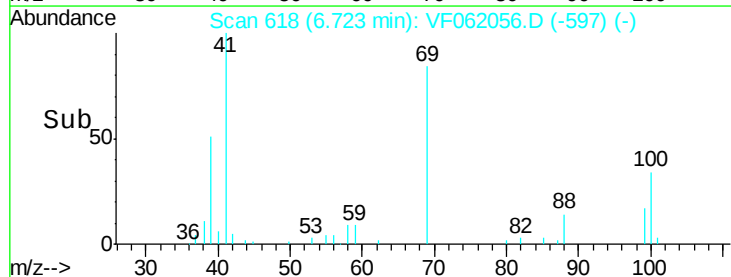
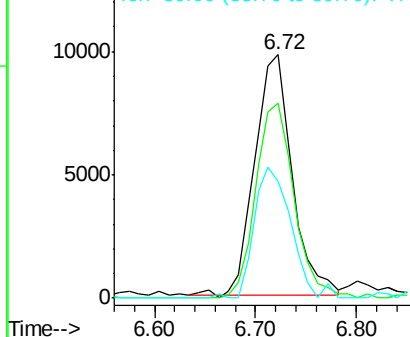
Lab File: VF062056.D

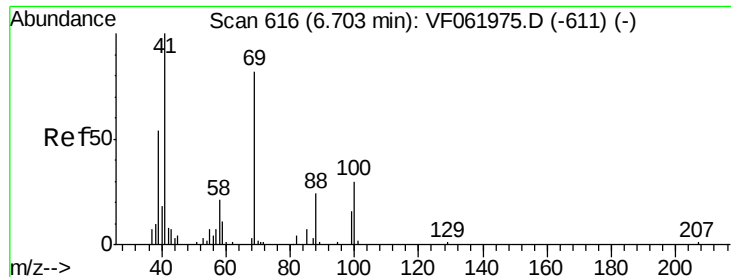
Acq: 21 Mar 2019 13:04

Tgt Ion:	41	Resp:	25239
Ion	Ratio	Lower	Upper
41	100		
69	80.1	59.0	88.6
39	48.1	35.6	53.4



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





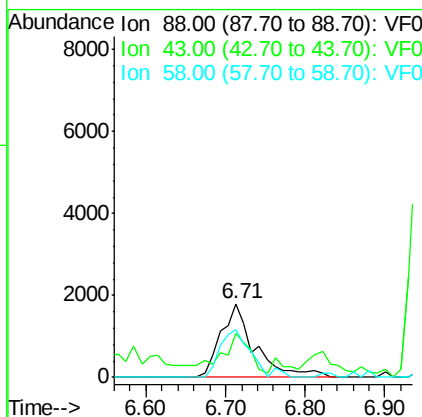
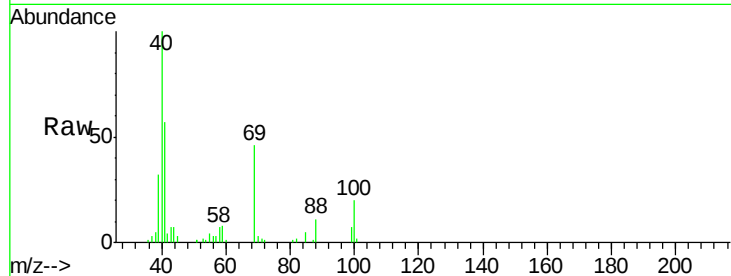
#49
1,4-Dioxane
Concen: 473.710 ug/l
RT: 6.71 min Scan# 617
Delta R.T. 0.01 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

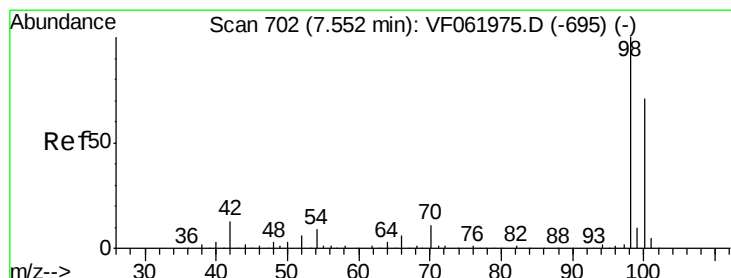
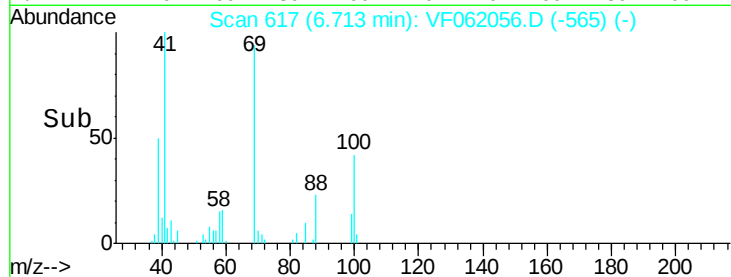
Tot Ion	Ratio	Lower	Upper
88	100		
43	59.3	31.2	46.8#
58	65.1	69.9	104.9#

Manual Integrations
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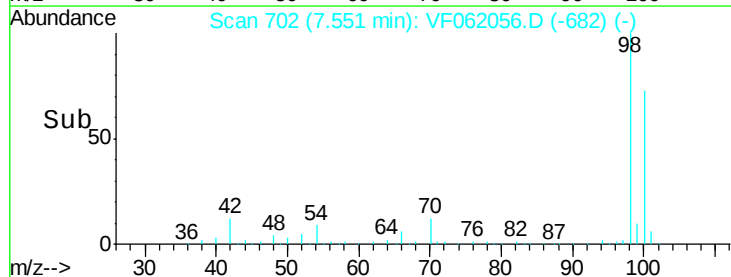
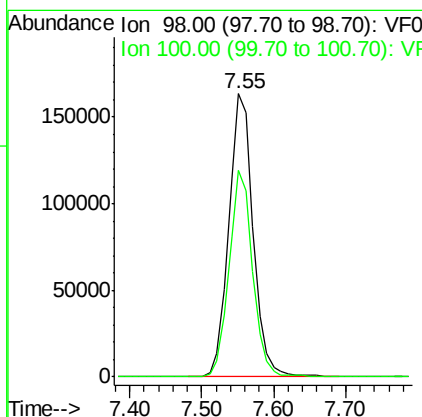
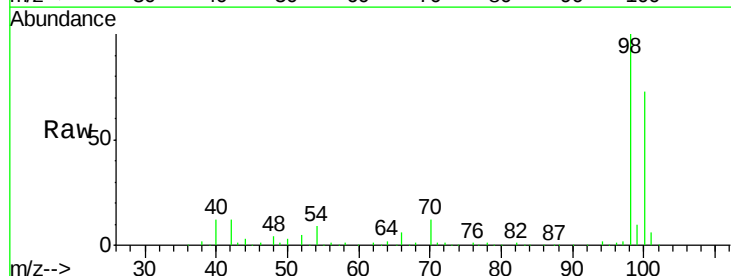


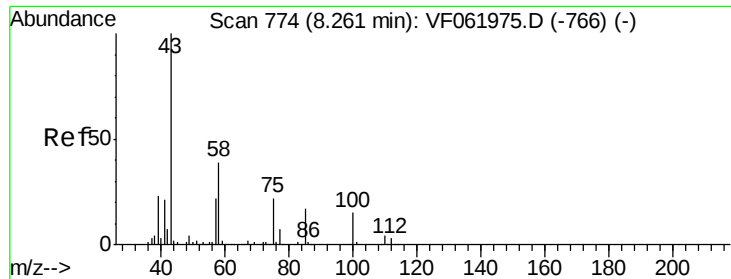
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#50
Toluene-d8
Concen: 47.622 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	72.8	56.8	85.2





#51

4-Methyl-2-Pentanone

Concen: 112.087 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

Tot Ion: 43 Resp: 156893

Ion Ratio Lower Upper

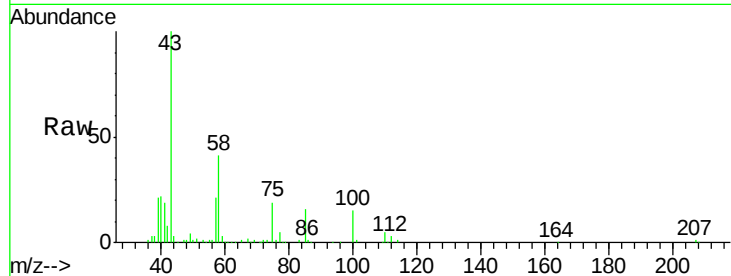
43 100

58 41.1 31.1 46.7

Manual Integrations

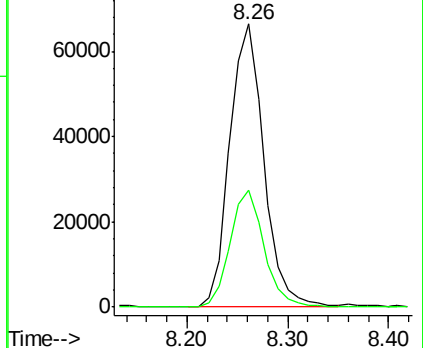
APPROVED

MMDadoda

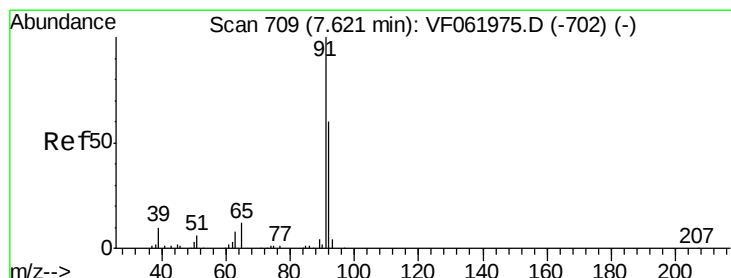
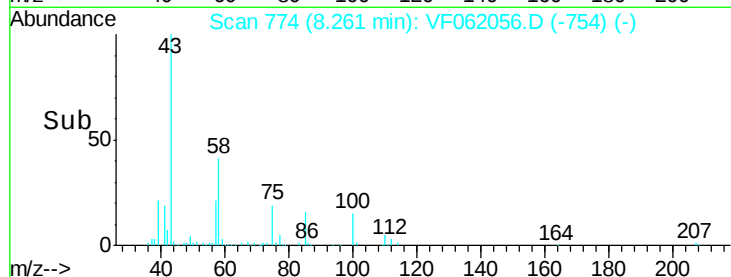


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



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#52

Toluene

Concen: 20.743 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF062056.D

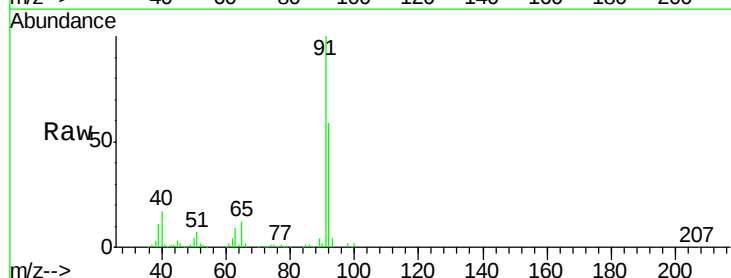
Acq: 21 Mar 2019 13:04

Tgt Ion: 92 Resp: 124608

Ion Ratio Lower Upper

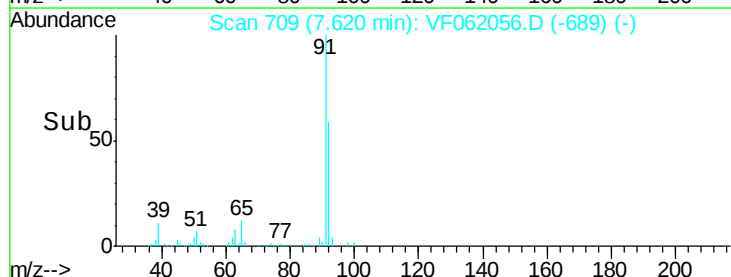
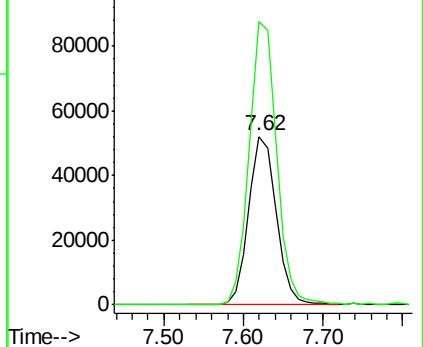
92 100

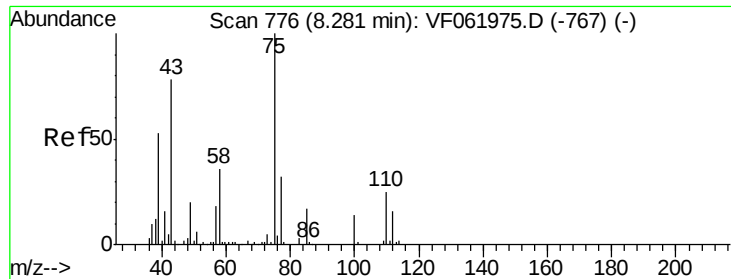
91 168.3 134.0 201.0



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: 20.648 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

Tot Ion: 75 Resp: 56884

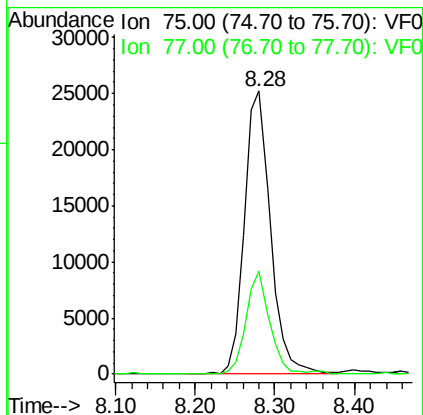
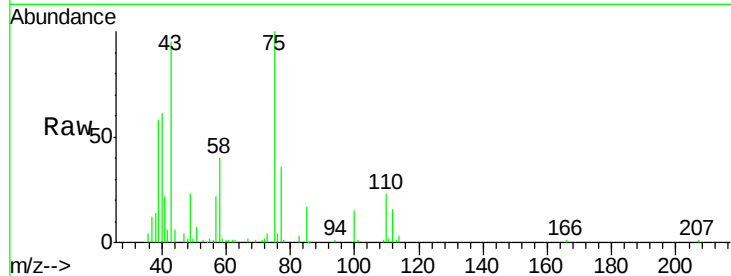
Ion Ratio Lower Upper

75 100

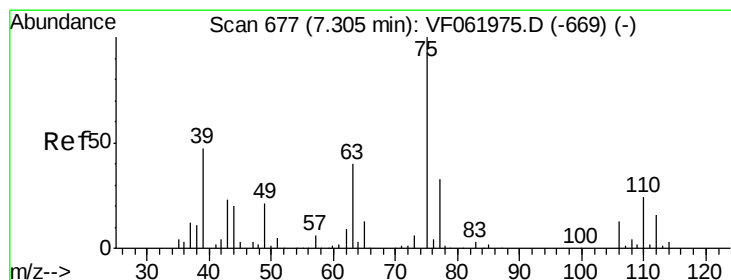
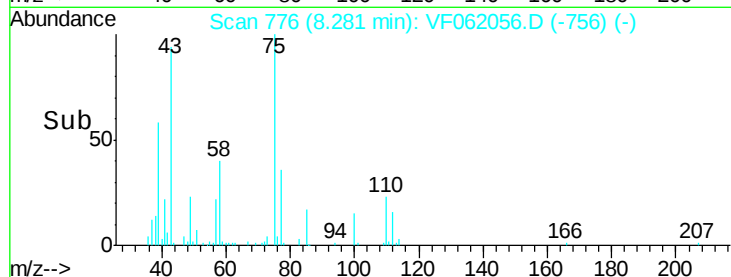
77 36.2 25.5 38.3

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 21.763 ug/l

RT: 7.30 min Scan# 677

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

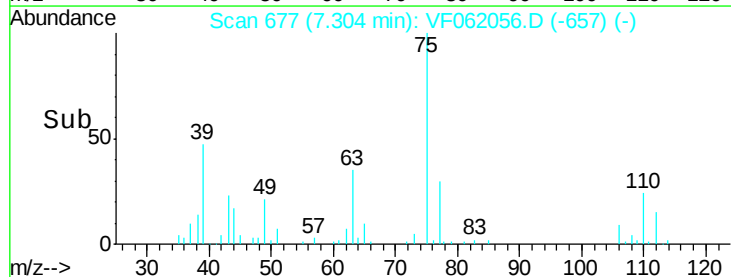
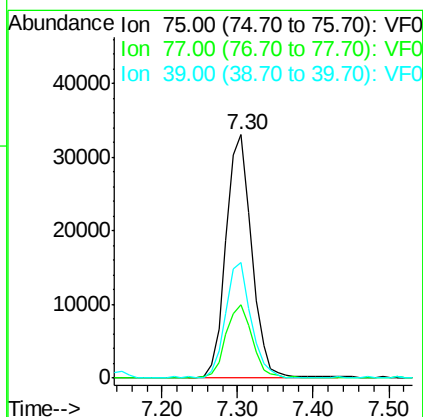
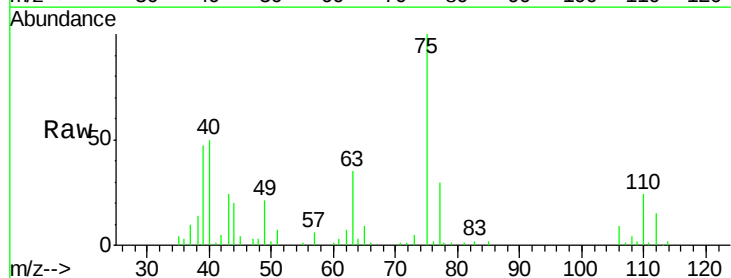
Tgt Ion: 75 Resp: 78232

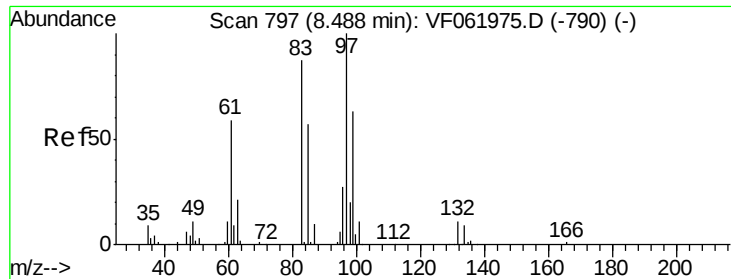
Ion Ratio Lower Upper

75 100

77 30.0 26.4 39.6

39 47.4 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 20.846 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

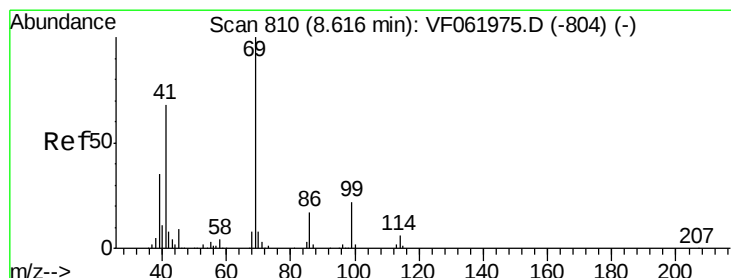
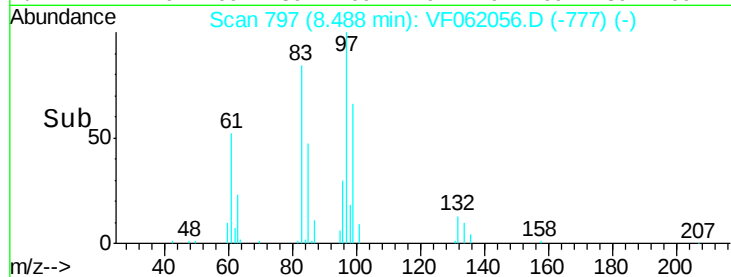
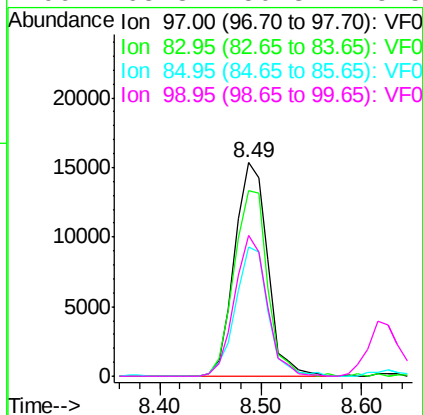
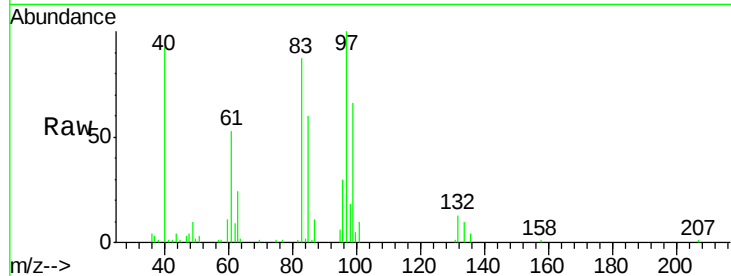
VF0321SBS01

Tot Ion:	97	Resp:	34951
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.7	104.5
85	60.5	45.8	68.6
99	65.8	50.3	75.5

Manual Integrations
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#56

Ethyl methacrylate

Concen: 22.750 ug/l

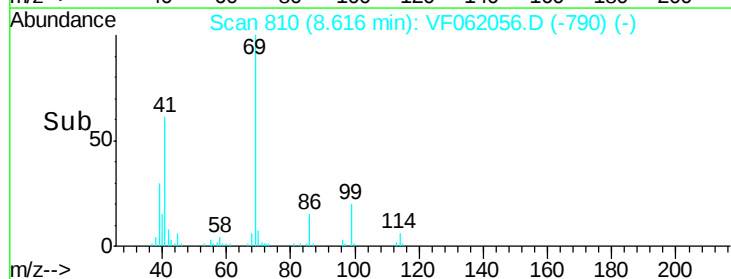
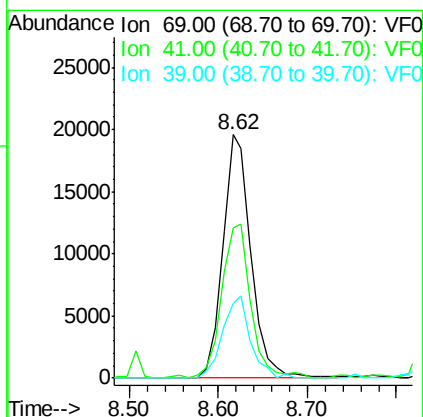
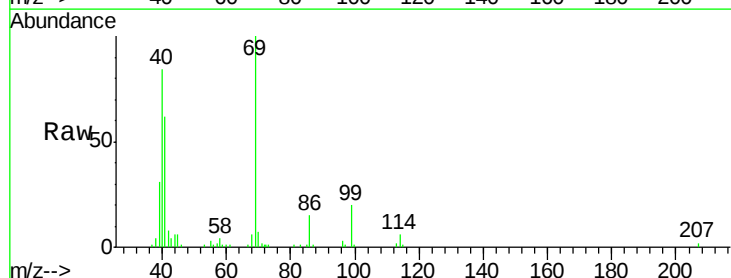
RT: 8.62 min Scan# 810

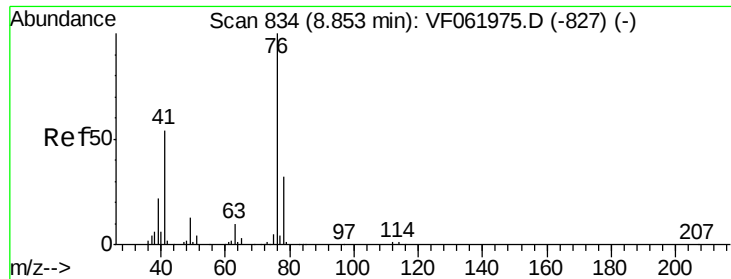
Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Tgt Ion:	69	Resp:	43359
Ion	Ratio	Lower	Upper
69	100		
41	61.6	54.7	82.1
39	30.6	27.9	41.9





#57

1,3-Dichloropropane

Concen: 20.742 ug/l

RT: 8.85 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

Tot Ion: 76 Resp: 58010

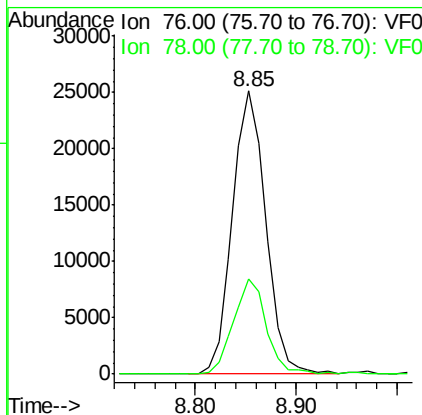
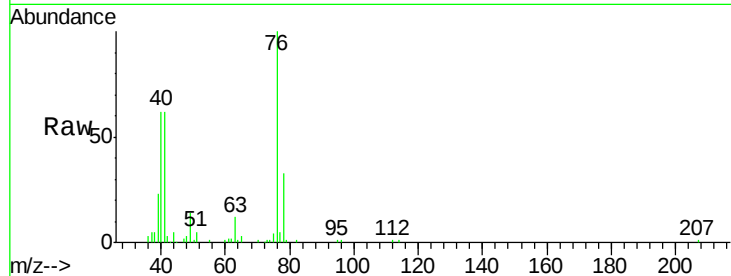
Ion Ratio Lower Upper

76 100

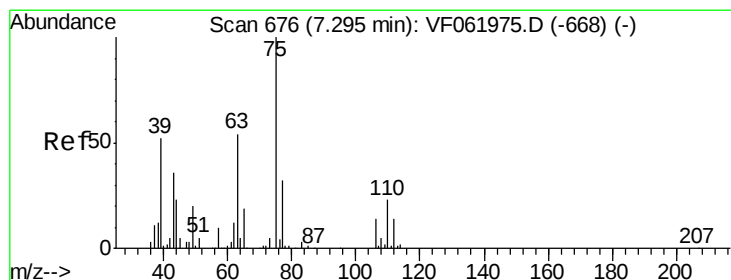
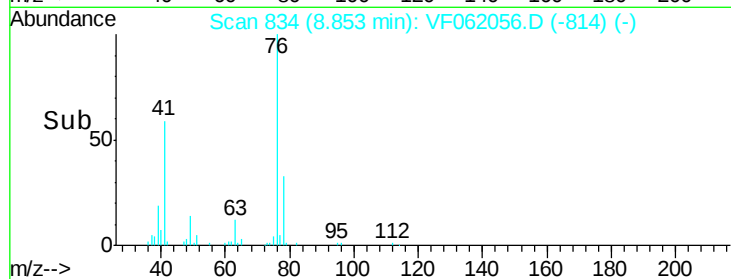
78 33.4 25.4 38.2

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 87.294 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.00 min

Lab File: VF062056.D

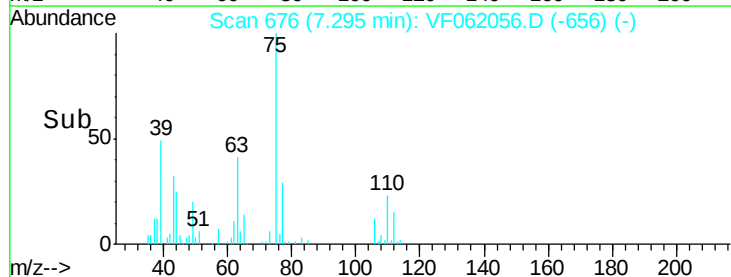
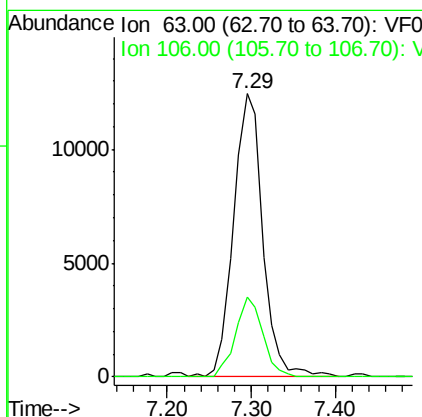
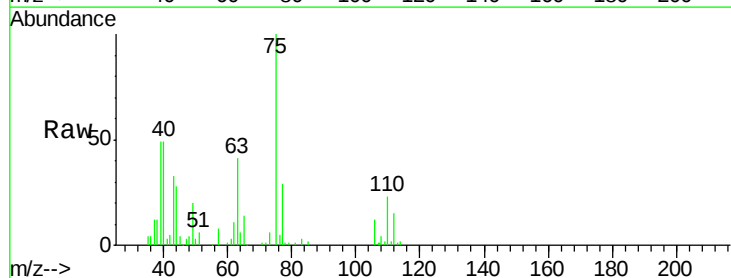
Acq: 21 Mar 2019 13:04

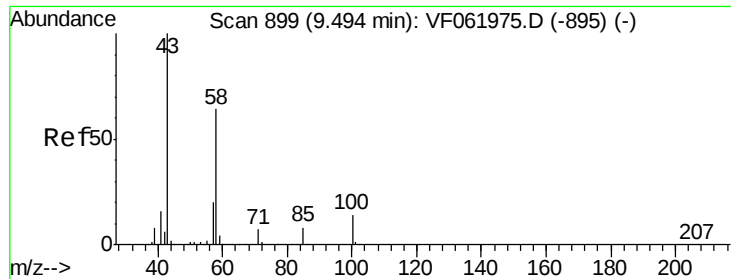
Tgt Ion: 63 Resp: 30135

Ion Ratio Lower Upper

63 100

106 28.2 20.9 31.3





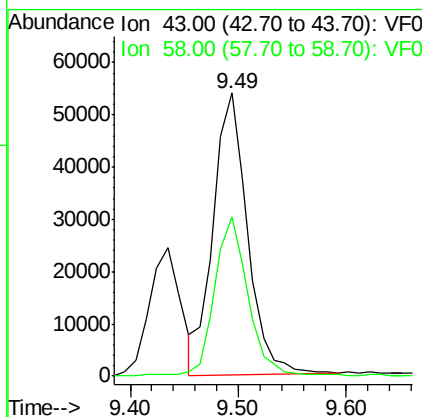
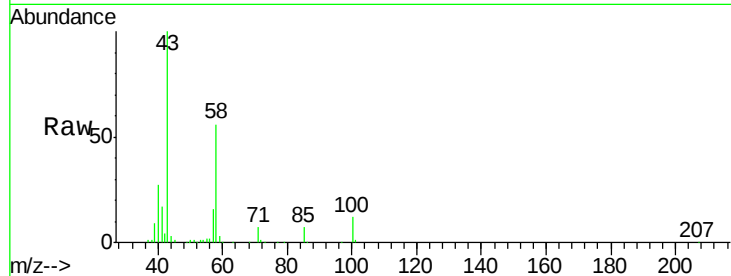
#59
2-Hexanone
Concen: 116.512 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

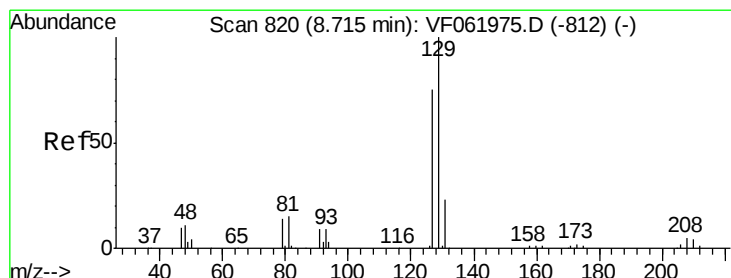
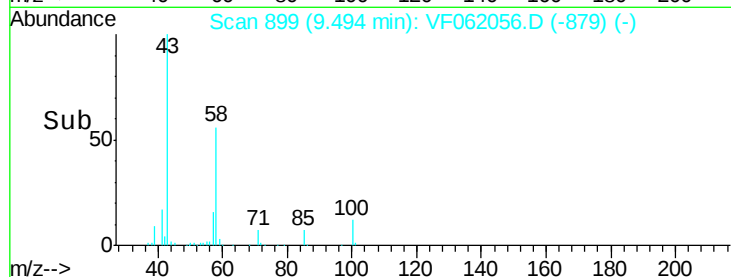
Tot Ion: 43 Resp: 118028
Ion Ratio Lower Upper
43 100
58 56.3 28.4 85.2

Manual Integrations
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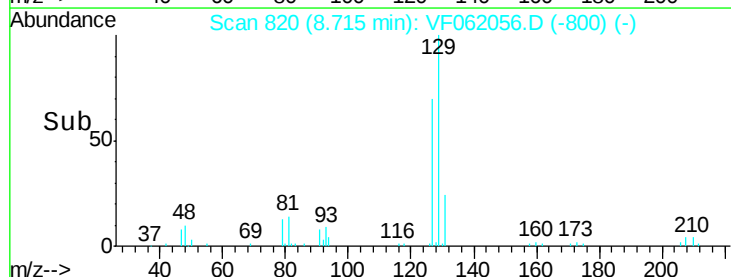
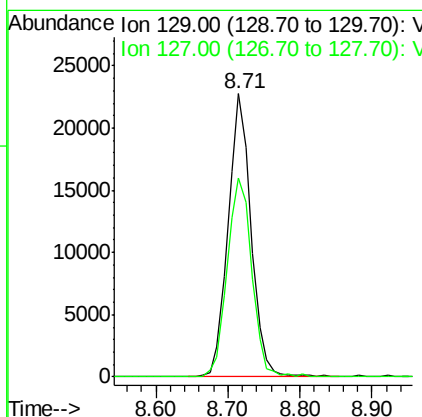
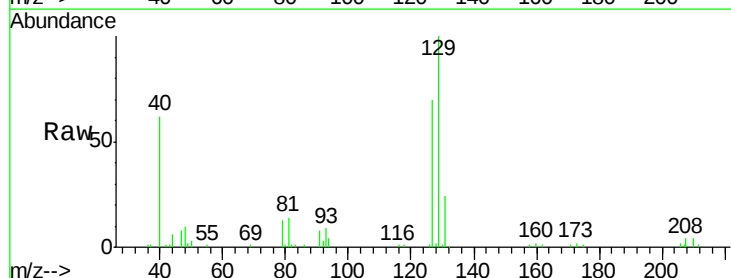


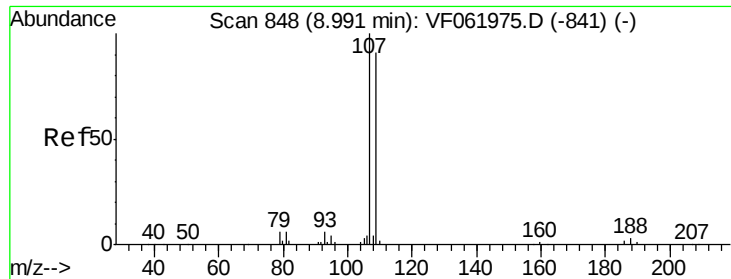
3/23/2019 2:59:12 AM



#60
Dibromochloromethane
Concen: 21.685 ug/l
RT: 8.71 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion: 129 Resp: 50474
Ion Ratio Lower Upper
129 100
127 70.3 37.3 111.8





#61

1,2-Dibromoethane

Concen: 21.646 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

VF0321SBS01

Tot Ion: 107 Resp: 38929

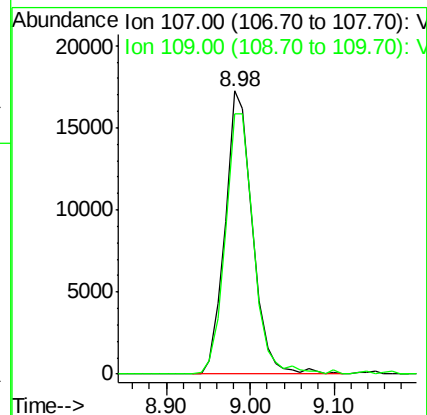
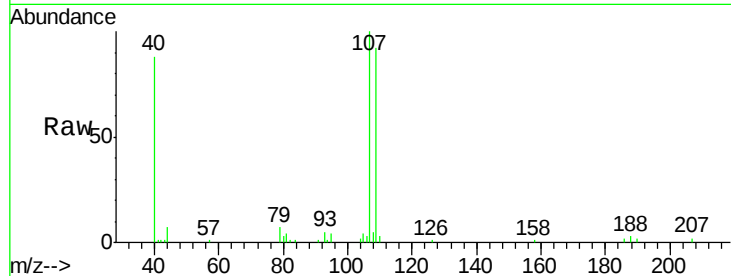
Ion Ratio Lower Upper

107 100

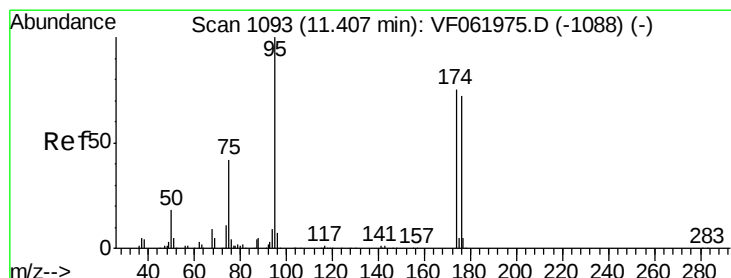
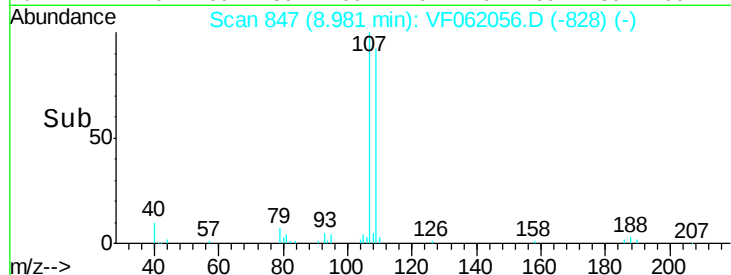
109 92.2 72.8 109.2

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 47.665 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

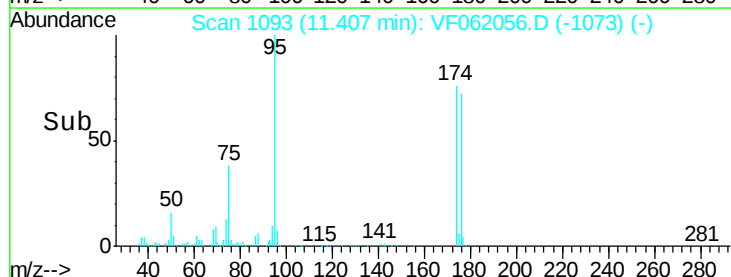
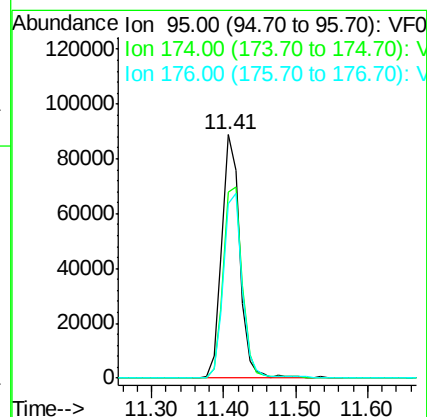
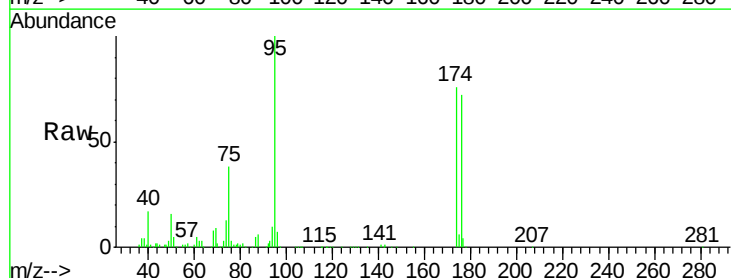
Tgt Ion: 95 Resp: 152729

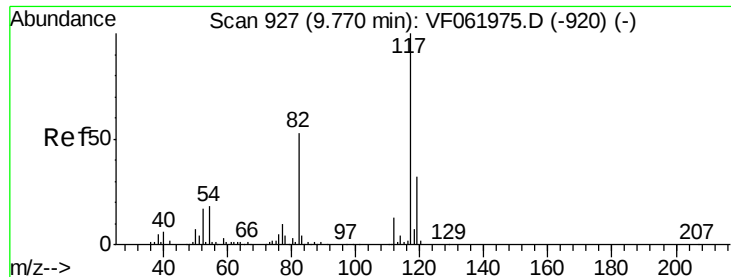
Ion Ratio Lower Upper

95 100

174 76.4 0.0 149.4

176 71.9 0.0 143.4





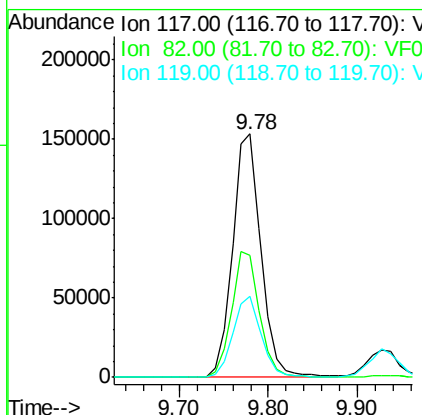
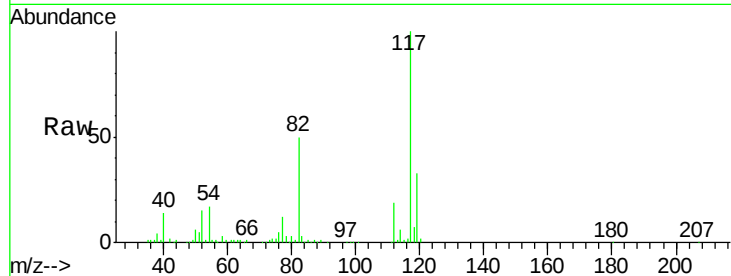
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

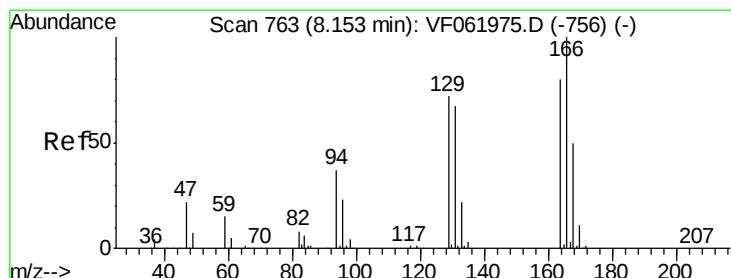
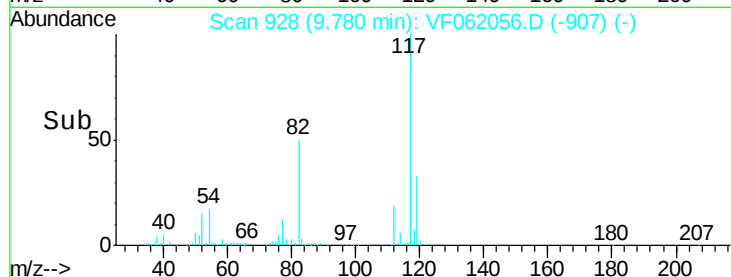
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.1	42.5	63.7
119	33.3	25.4	38.0

Manual Integrations
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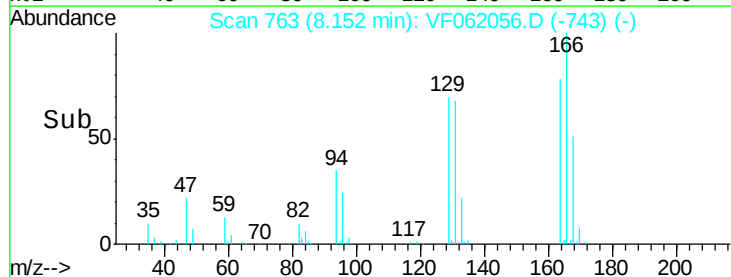
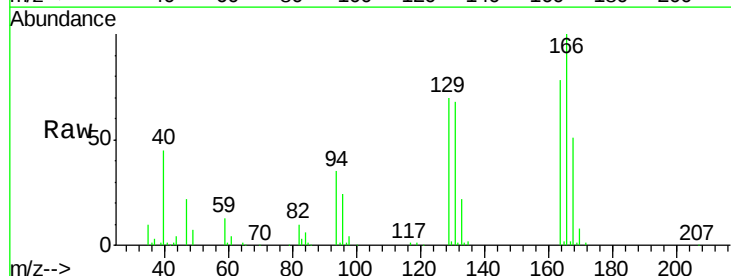
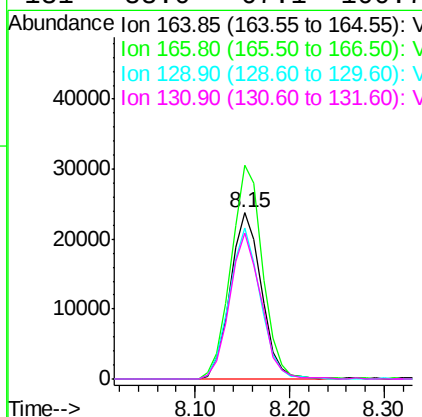


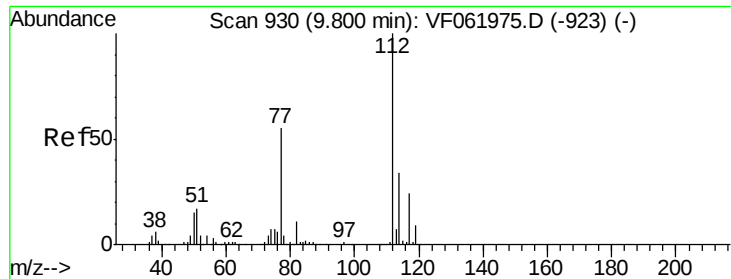
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#64
Tetrachloroethene
Concen: 21.961 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	100.0	150.0
129	90.7	72.4	108.6
131	88.0	67.1	100.7





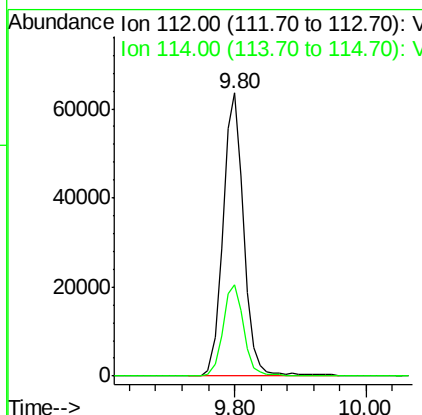
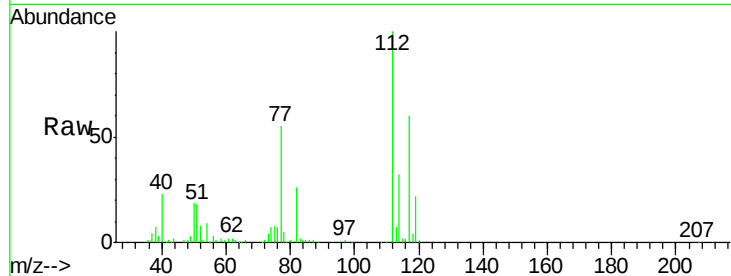
#65
Chlorobenzene
Concen: 21.973 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

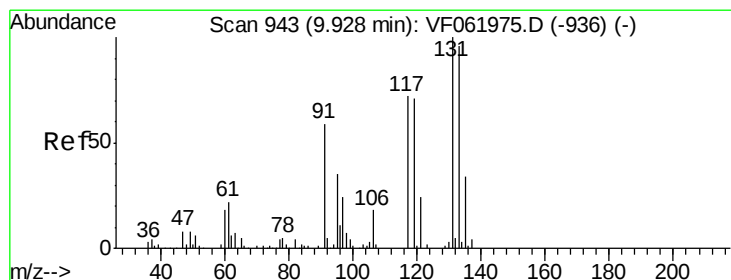
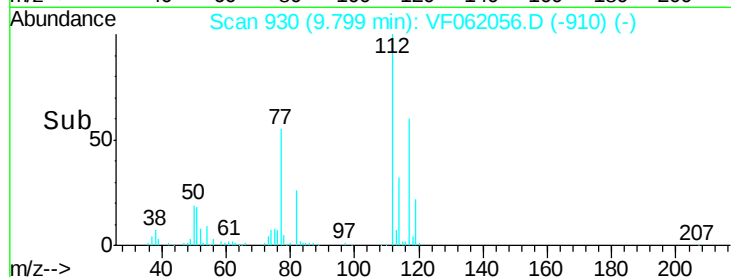
Tot Ion	Ratio	Resp	Lower	Upper
112	100			
114	32.4	26.9	40.3	

Manual Integrations
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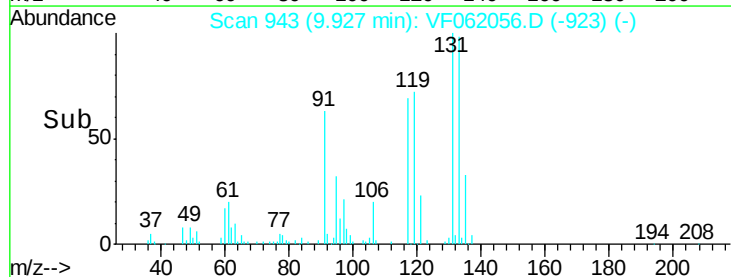
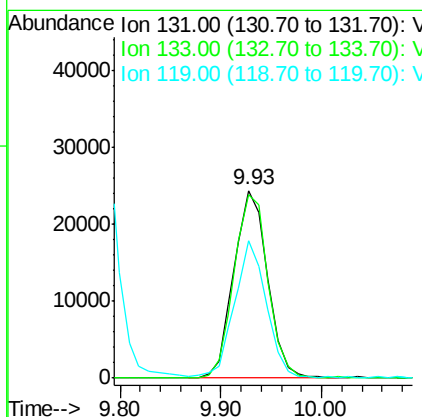
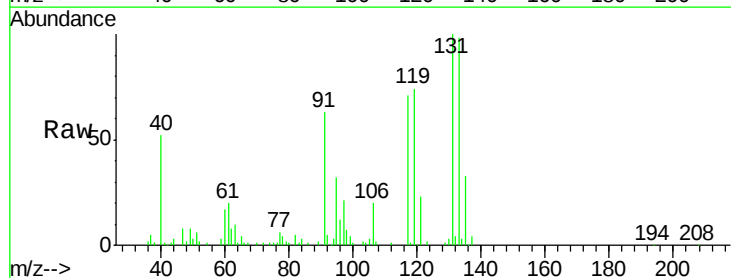


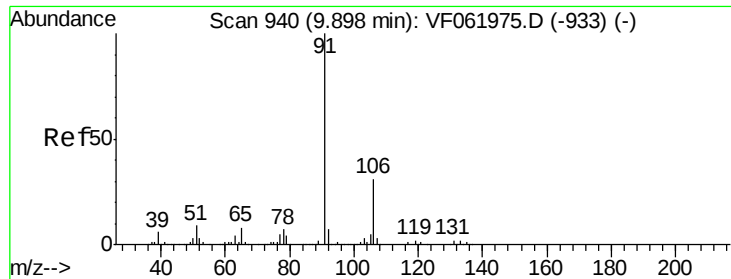
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.925 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
131	100			
133	98.1	48.0	144.2	
119	73.5	35.9	107.7	





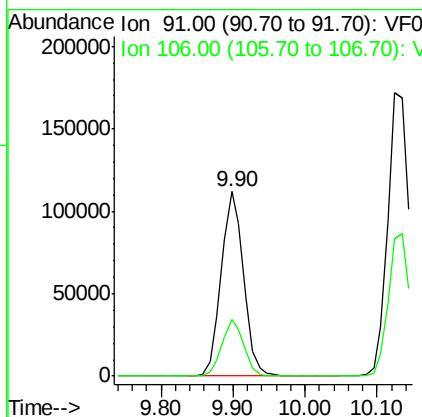
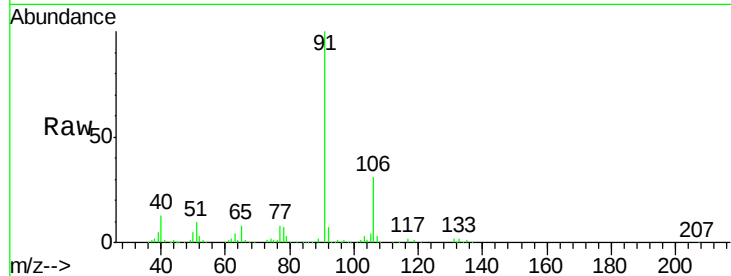
#67
Ethyl Benzene
Concen: 22.063 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

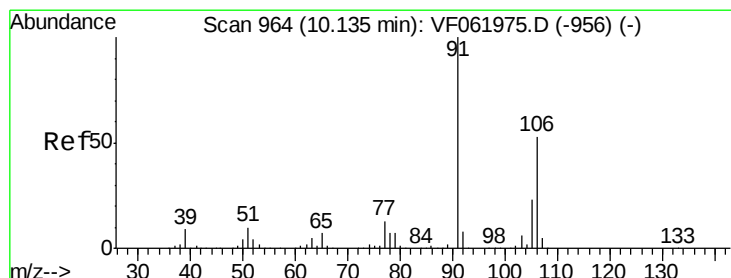
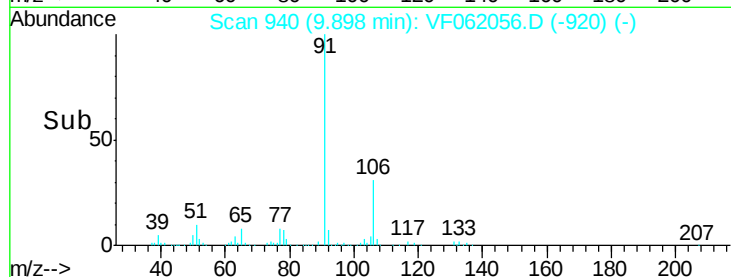
Tot Ion: 91 Resp: 240467
Ion Ratio Lower Upper
91 100
106 30.6 24.4 36.6

Manual Integrations
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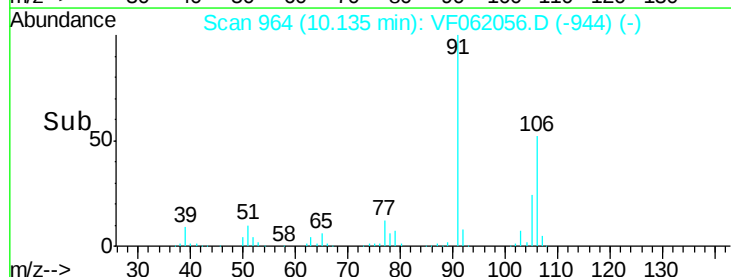
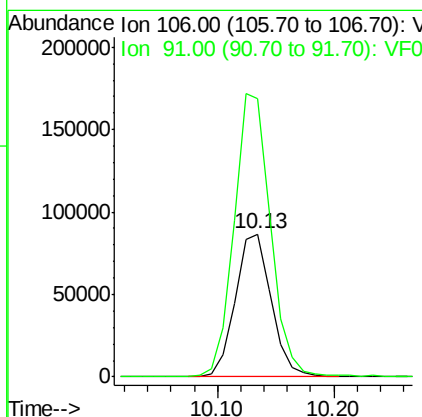
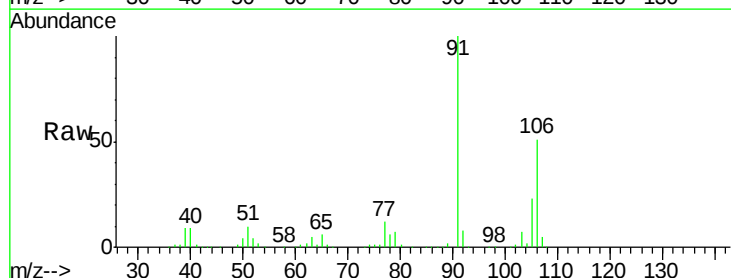


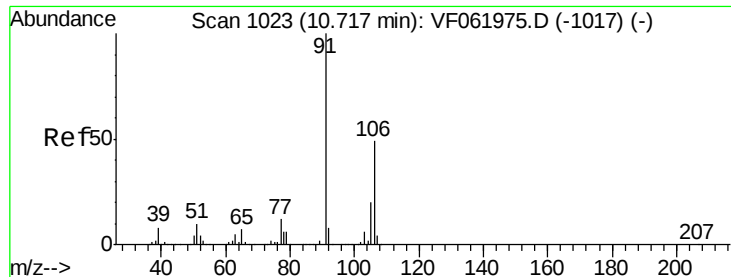
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#68
m/p-Xylenes
Concen: 45.239 ug/l
RT: 10.13 min Scan# 964
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion: 106 Resp: 185445
Ion Ratio Lower Upper
106 100
91 195.1 151.9 227.9





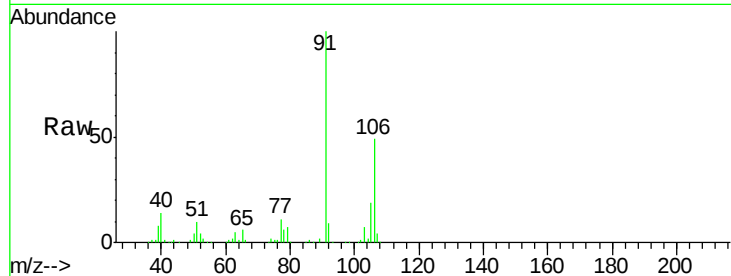
#69
o-Xylene
Concen: 21.684 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

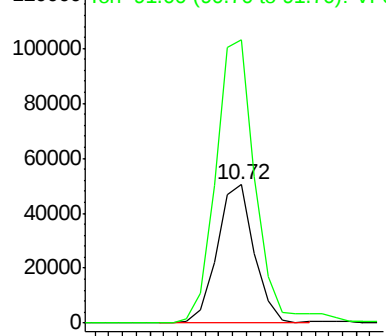
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	95111		
91	91	204.6	102.3	306.8	

Manual Integrations
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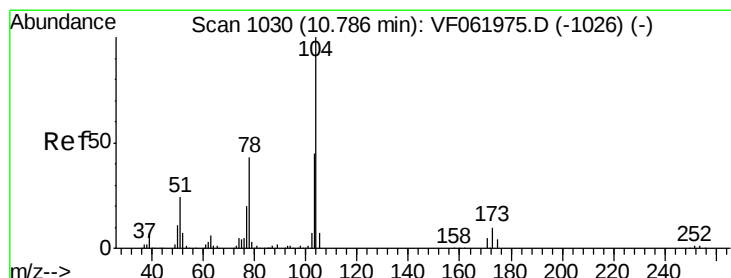
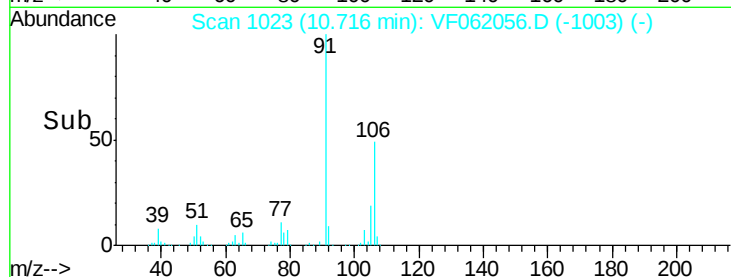
MMDadoda



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

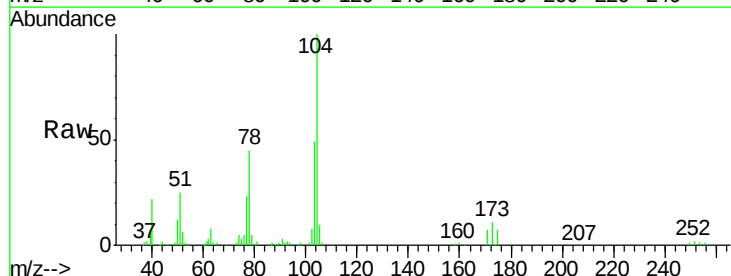


3/23/2019 2:59:12 AM

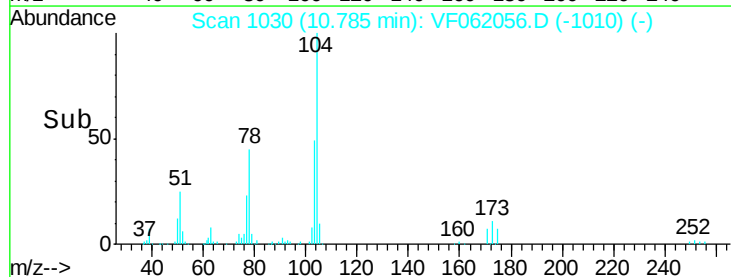
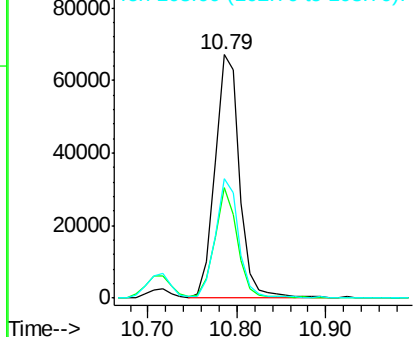


#70
Styrene
Concen: 21.246 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	129107		
78	78	45.4	34.7	52.1	
103	103	49.2	36.6	54.8	



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





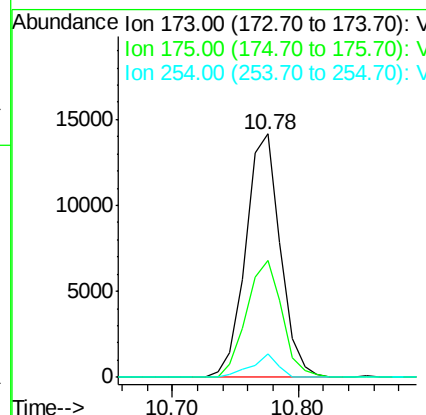
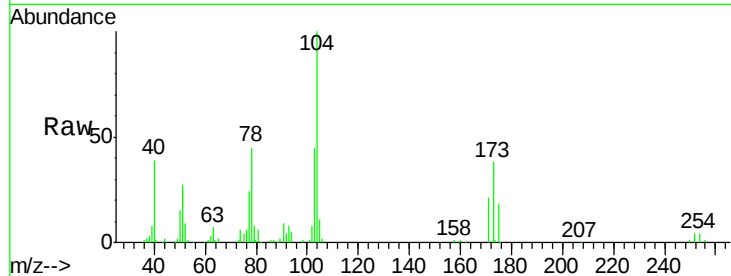
#71
Bromoform
Concen: 21.589 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

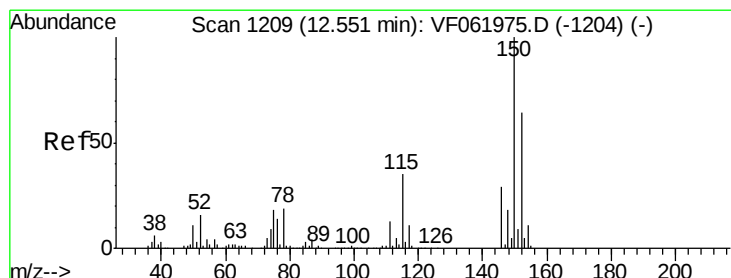
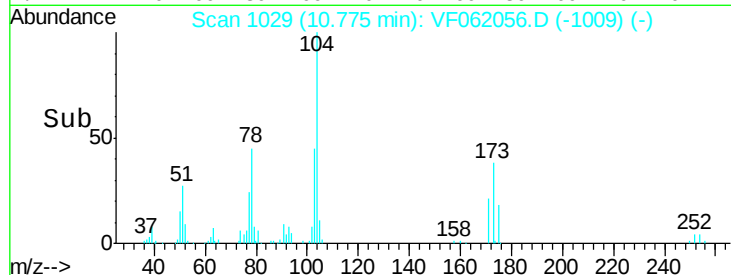
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.7	71.1
254	9.8	7.8	11.8

Manual Integrations
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MM Dadoda

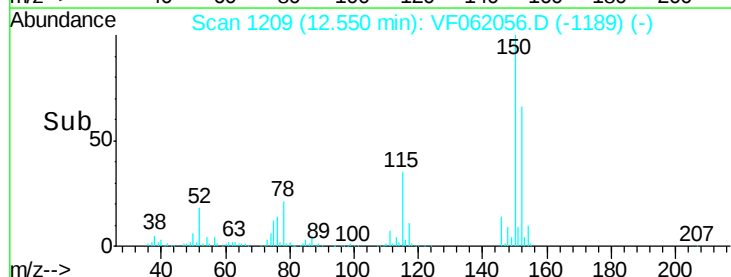
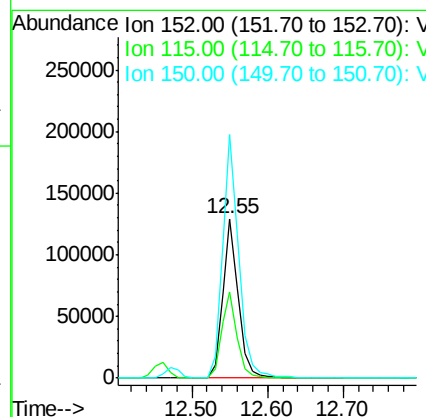
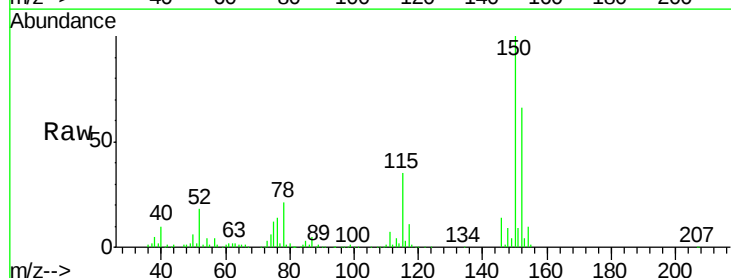


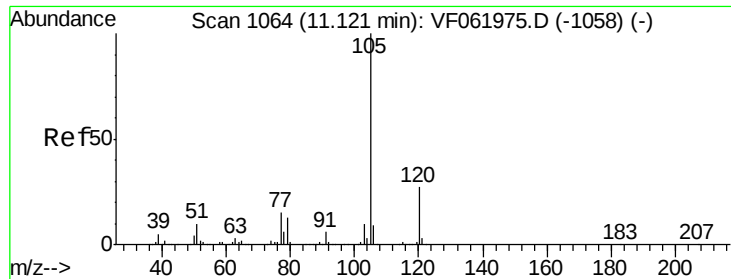
3/23/2019 2:59:12 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	27.3	81.9
150	152.6	0.0	316.2





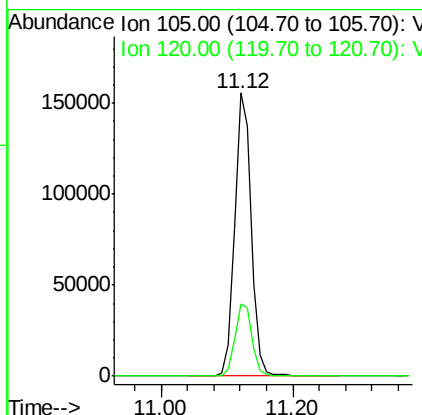
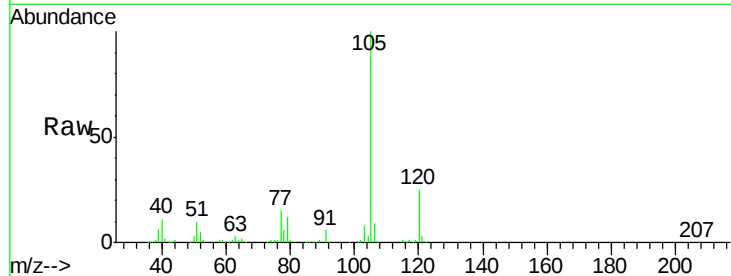
#73
Isopropylbenzene
Concen: 21.168 ug/l
RT: 11.12 min Scan# 1064
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

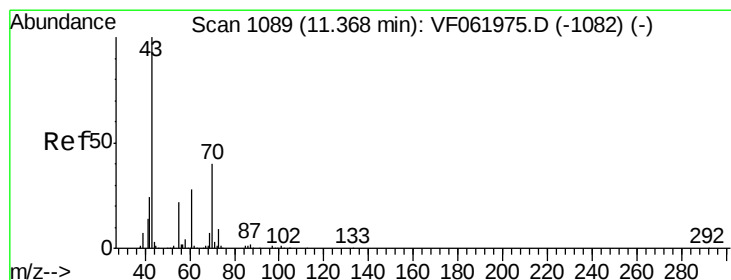
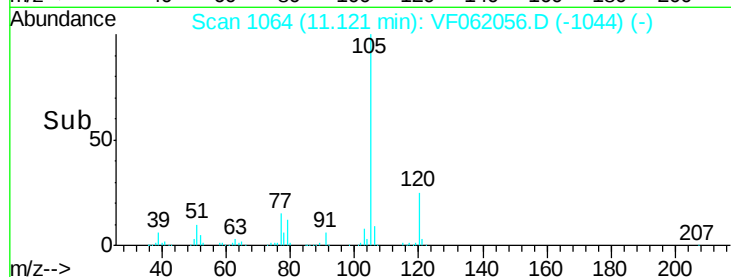
Tot Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.8	41.3

Manual Integrations
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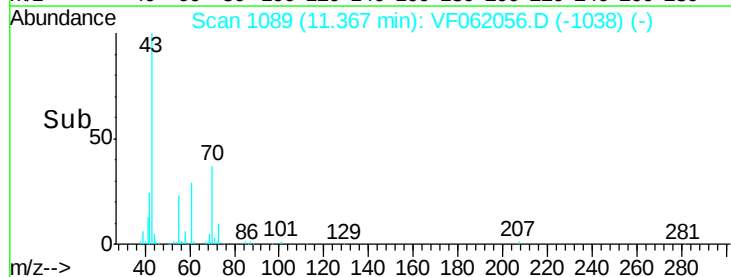
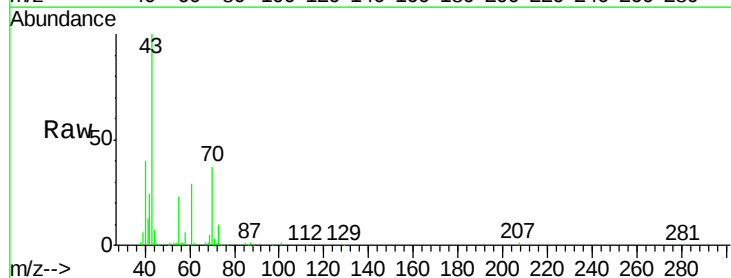
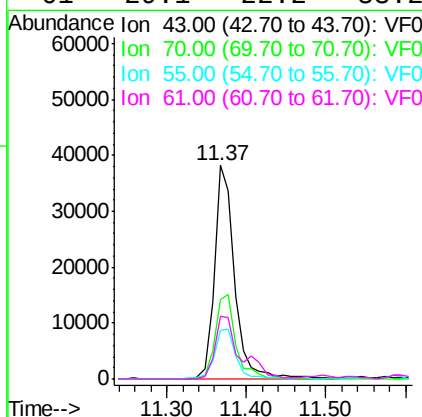


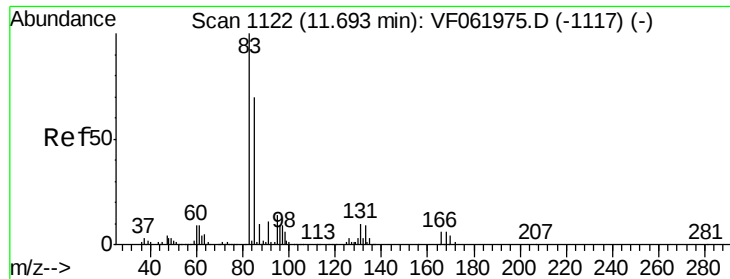
3/23/2019 2:59:12 AM



#74
N-ethyl acetate
Concen: 22.851 ug/l
RT: 11.37 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.2	31.9	47.9
55	23.0	17.9	26.9
61	29.1	22.2	33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.423 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

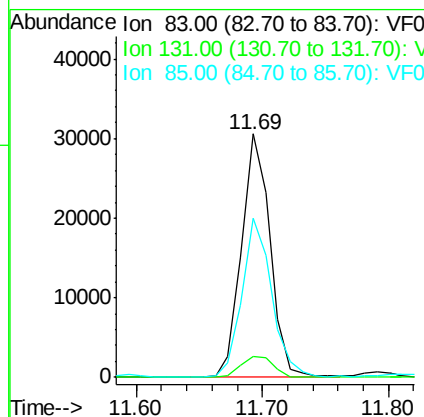
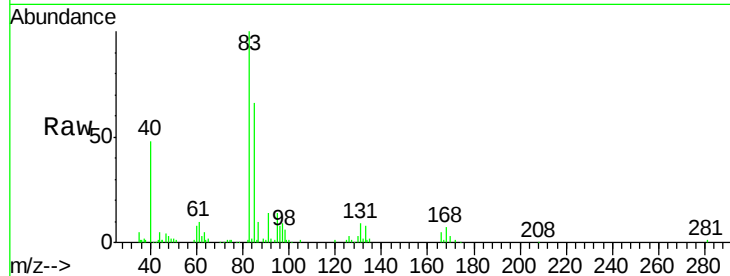
ClientSampleId :

VF0321SBS01

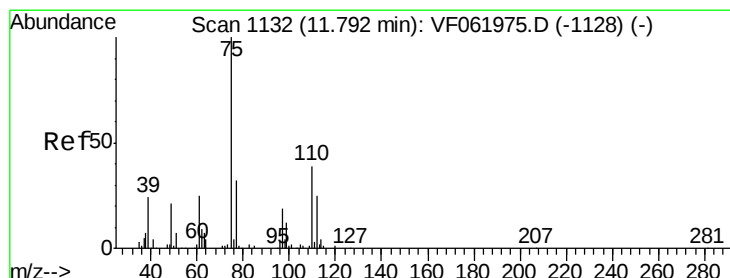
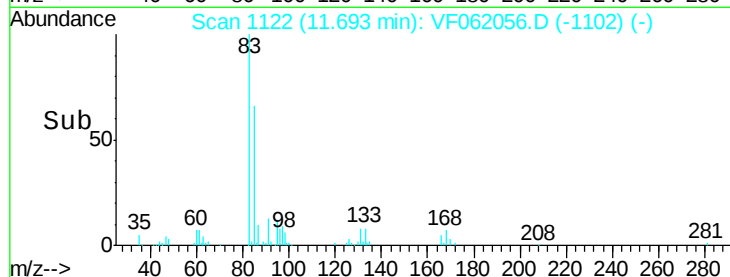
Tot Ion:	83	Resp:	47966
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.9	14.7
85	65.6	35.3	105.9

Manual Integrations
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3/23/2019 2:59:12 AM



#76

1,2,3-Trichloropropane

Concen: 21.470 ug/l

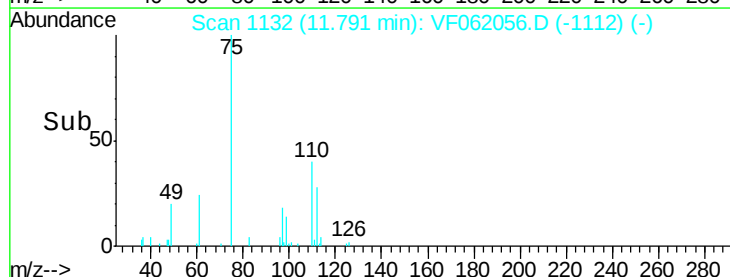
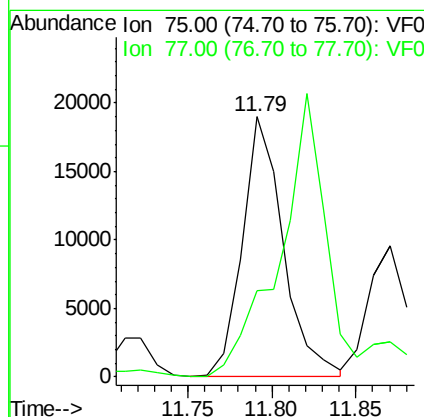
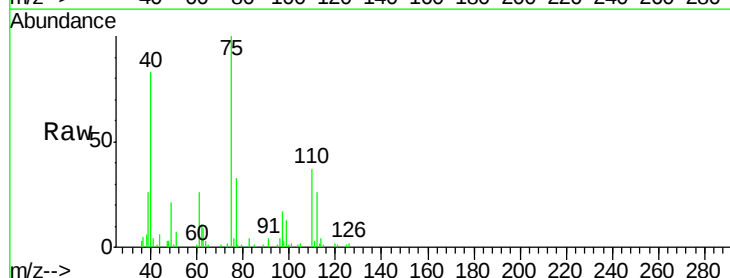
RT: 11.79 min Scan# 1132

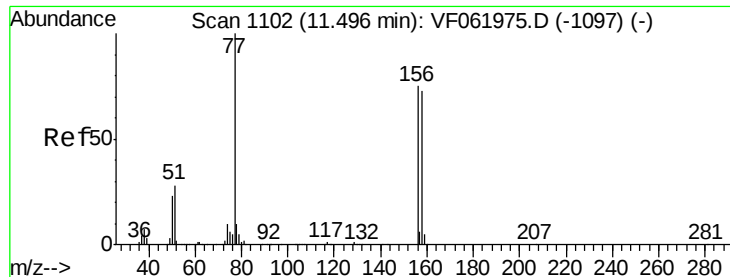
Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Tgt Ion:	75	Resp:	32116
Ion Ratio	Lower	Upper	
75	100		
77	33.0	16.4	49.2





#77

Bromobenzene

Concen: 21.397 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

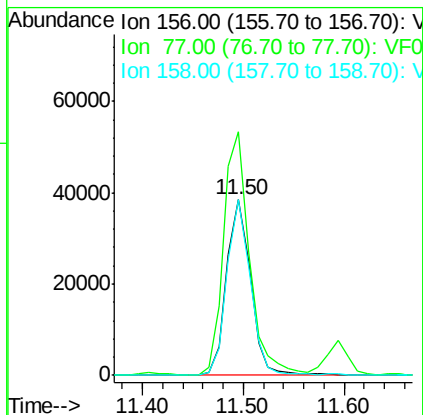
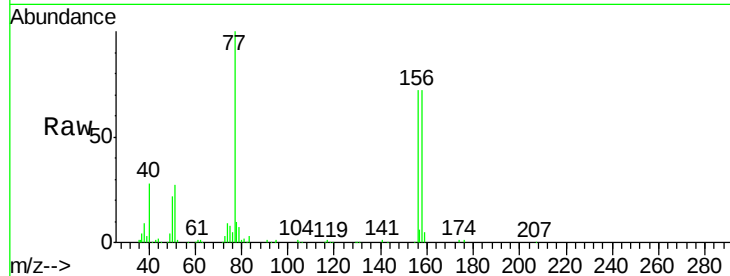
ClientSampleId :

VF0321SBS01

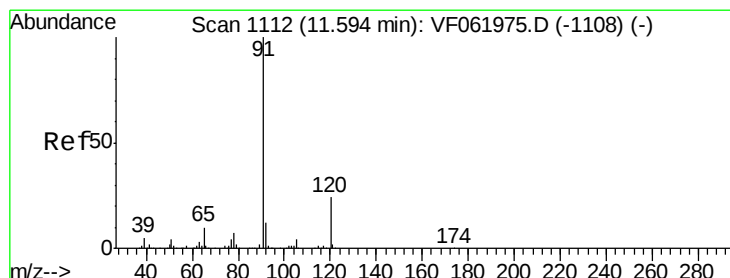
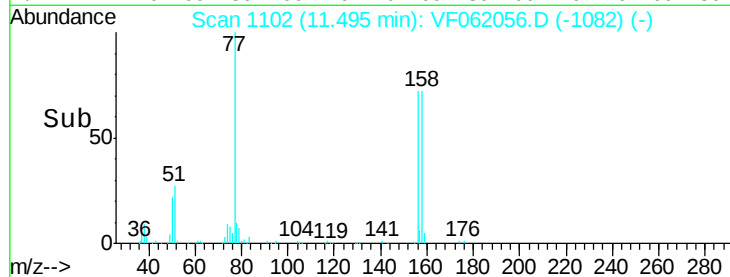
Tot Ion:	156	Resp:	64217
Ion Ratio	Lower	Upper	
156	100		
77	139.0	67.0	201.0
158	100.5	48.9	146.7

Manual Integrations
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#78

n-propylbenzene

Concen: 21.481 ug/l

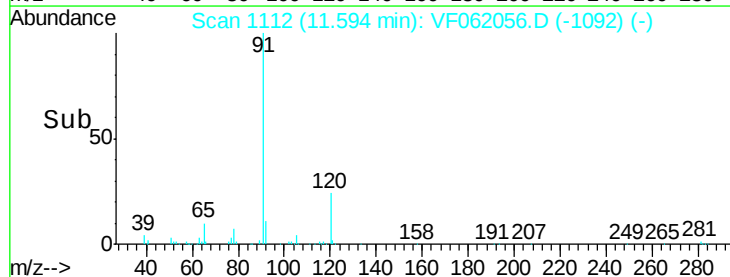
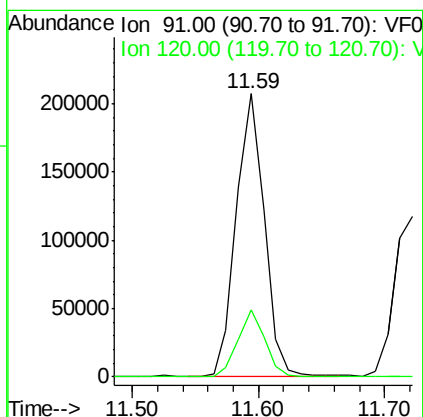
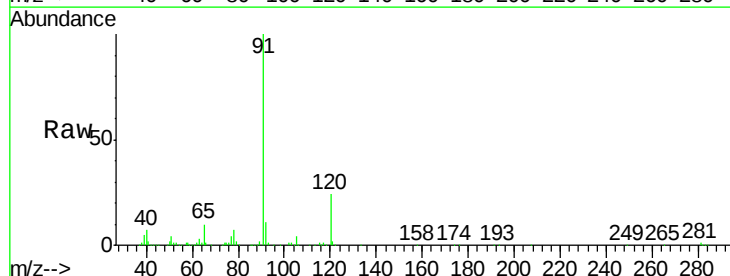
RT: 11.59 min Scan# 1112

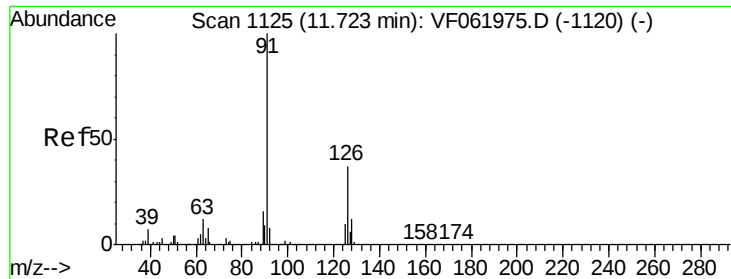
Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Tgt Ion:	91	Resp:	320109
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.8	35.3





#79
 2-Chlorotoluene
 Concen: 21.857 ug/l
 RT: 11.72 min Scan# 1125
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

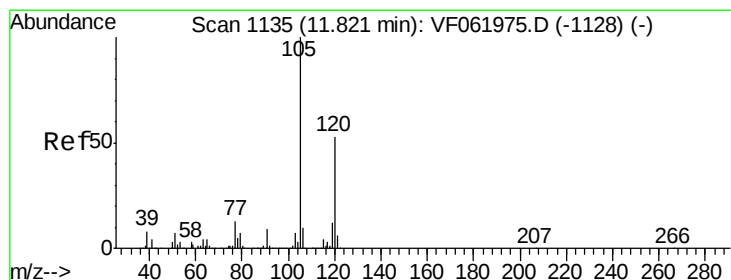
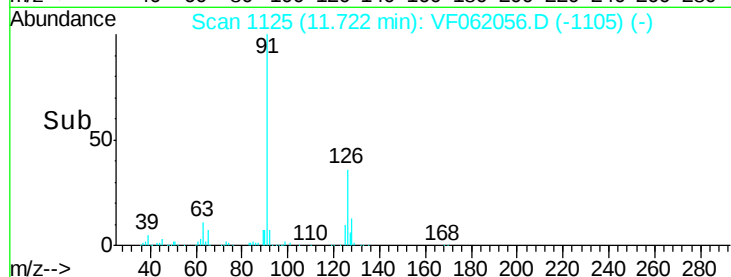
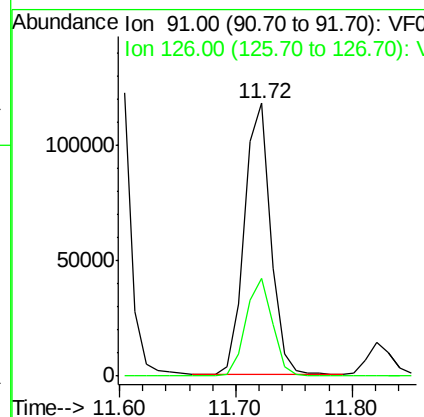
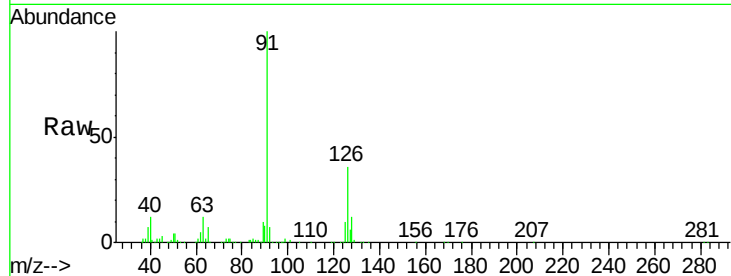
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

Tot Ion: 91 Resp: 183846
 Ion Ratio Lower Upper
 91 100
 126 35.7 18.4 55.2

Manual Integrations
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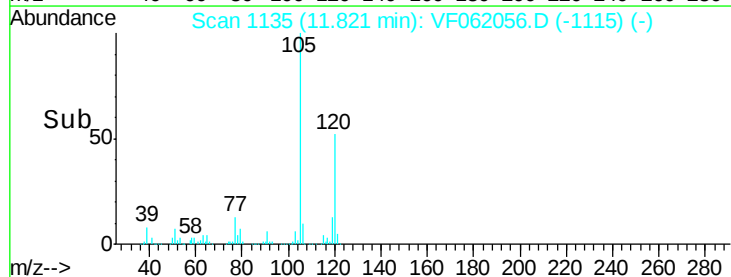
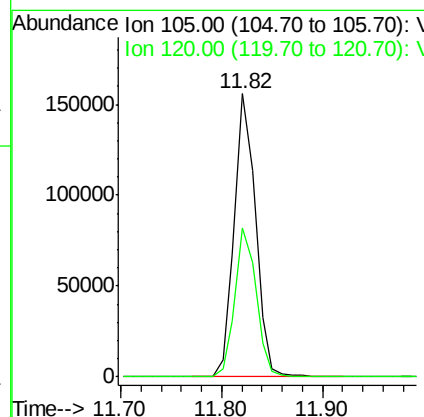
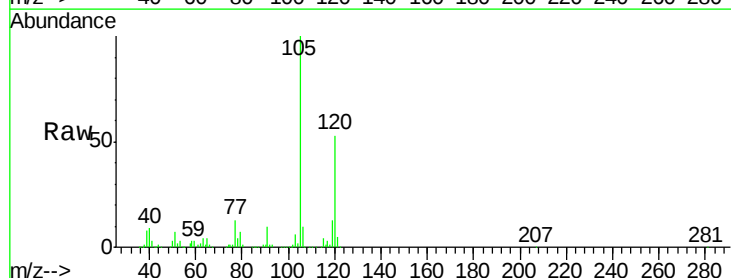
MM Dadoda

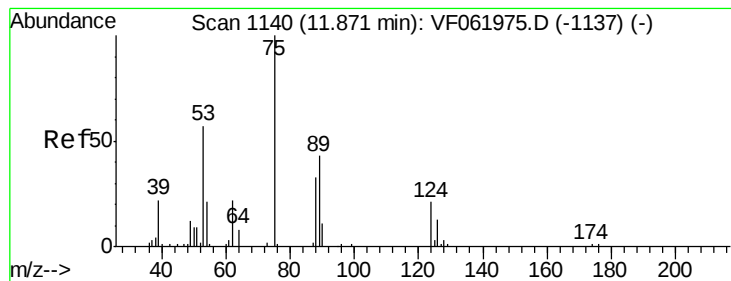
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.020 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Tgt Ion: 105 Resp: 230520
 Ion Ratio Lower Upper
 105 100
 120 52.5 26.6 79.7





#81

trans-1,4-Dichloro-2-butene

Concen: 24.197 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Instrument :

MSVOA_F

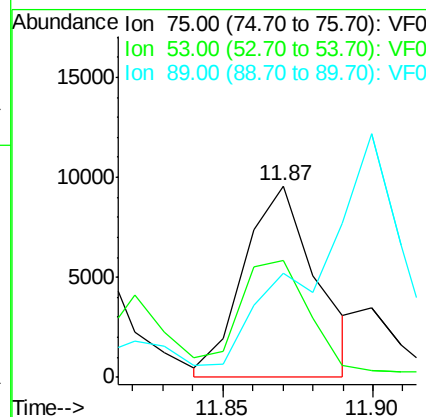
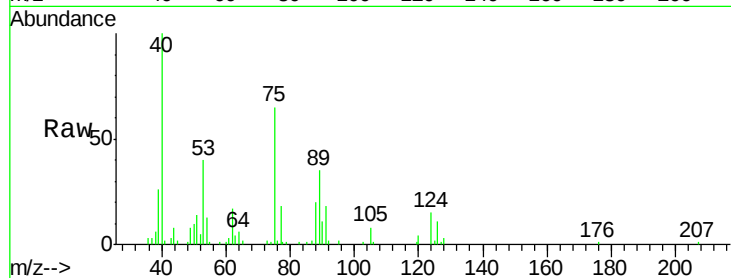
ClientSampleId :

VF0321SBS01

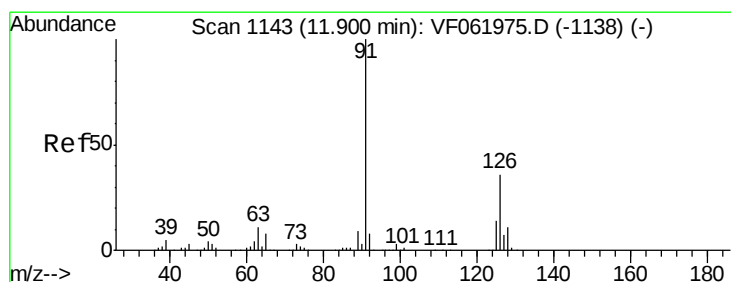
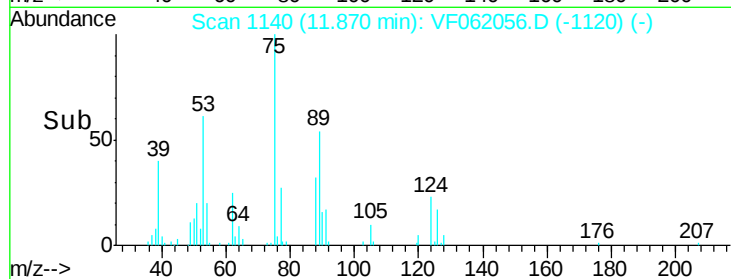
Tot Ion:	75	Resp:	16012
Ion Ratio	Lower	Upper	
75	100		
53	61.2	49.0	73.6
89	54.3	37.1	55.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.389 ug/l

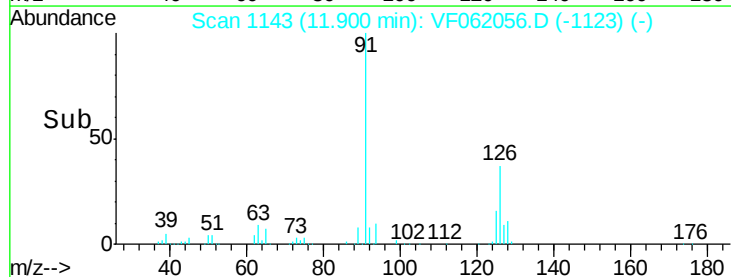
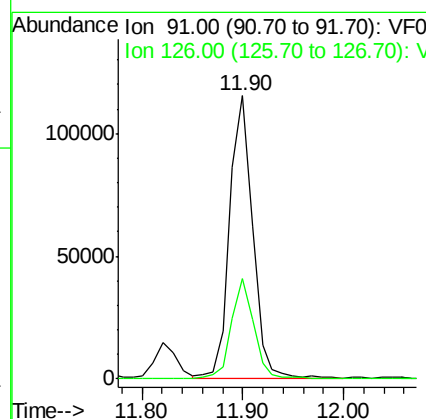
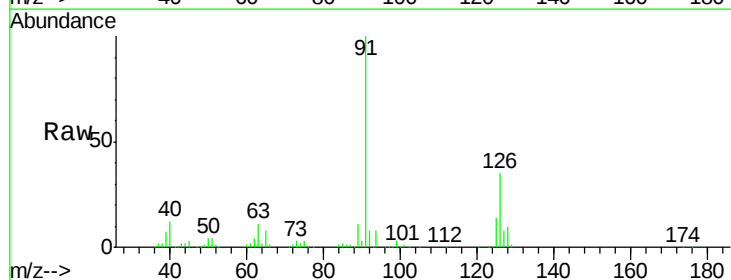
RT: 11.90 min Scan# 1143

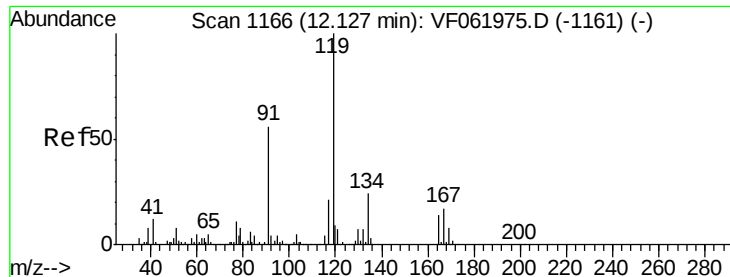
Delta R.T. -0.00 min

Lab File: VF062056.D

Acq: 21 Mar 2019 13:04

Tgt Ion:	91	Resp:	181936
Ion Ratio	Lower	Upper	
91	100		
126	35.4	18.1	54.1





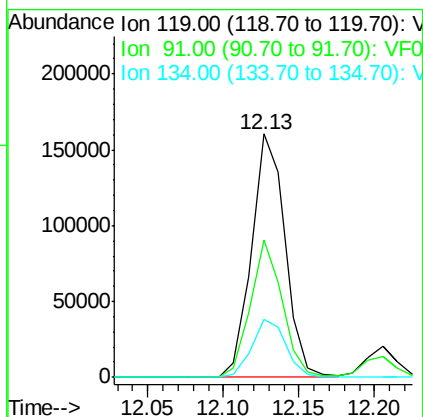
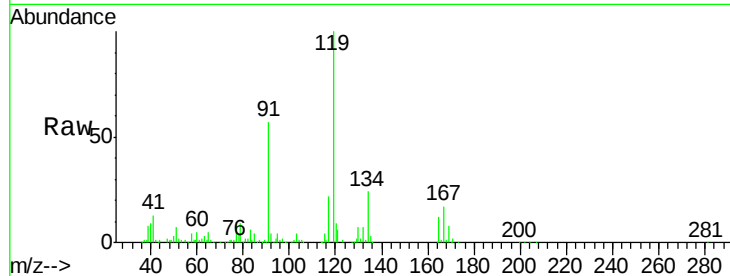
#83
tert-Butylbenzene
Concen: 22.708 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

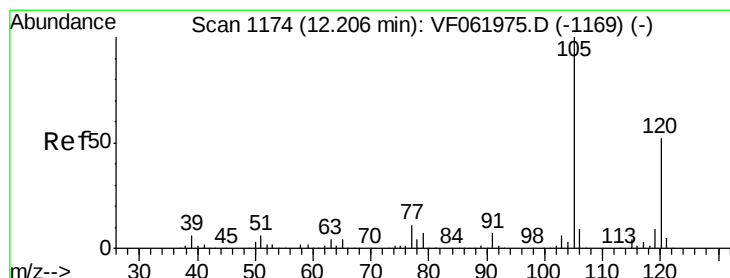
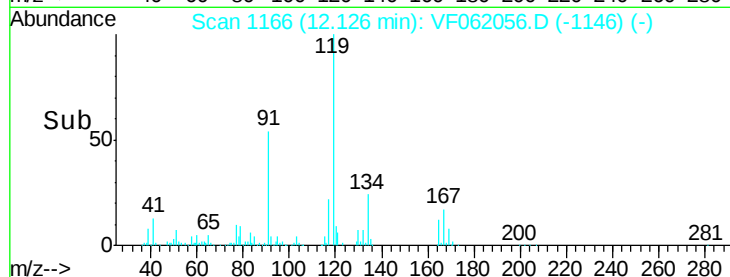
Tot Ion	Ratio	Lower	Upper
119	100		
91	56.7	27.9	83.6
134	24.0	12.3	36.8

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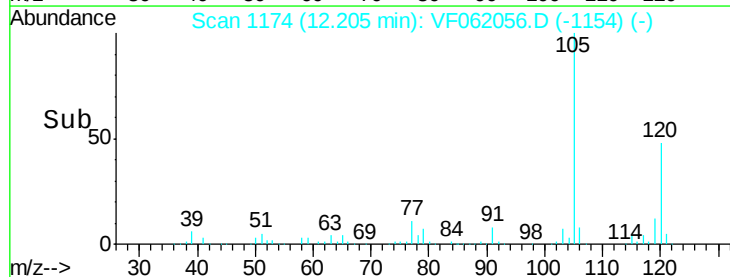
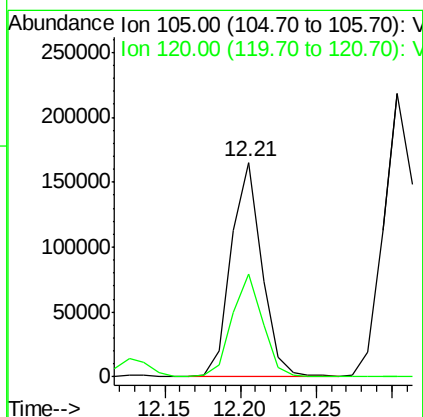
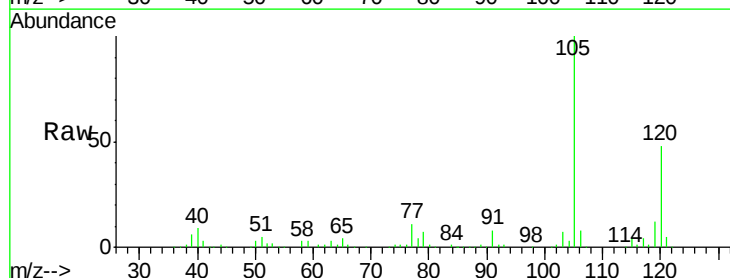


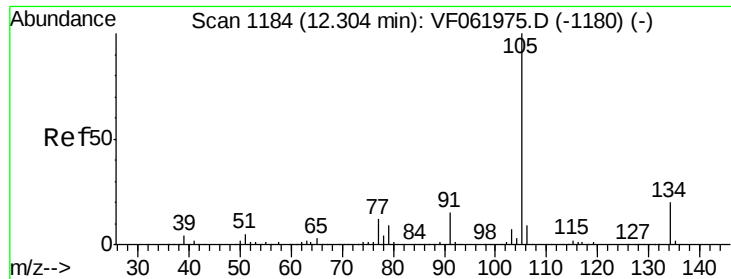
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#84
1,2,4-Trimethylbenzene
Concen: 22.224 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.1	25.9	77.8





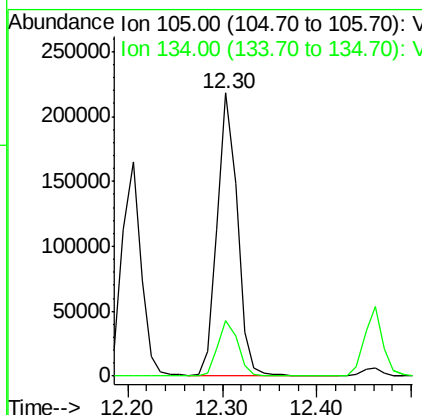
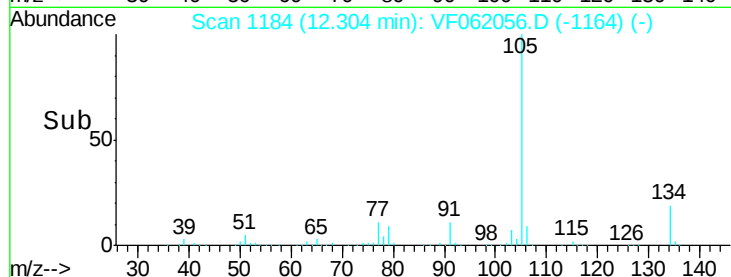
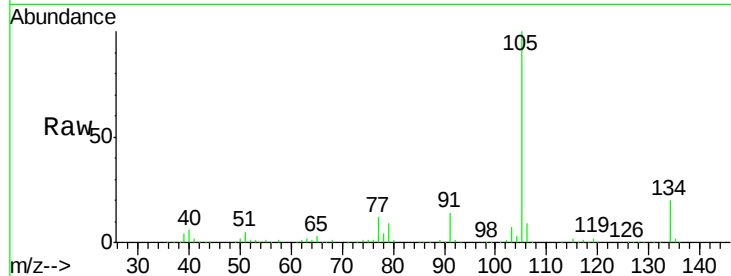
#85
 sec-Butylbenzene
 Concen: 21.720 ug/l
 RT: 12.30 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

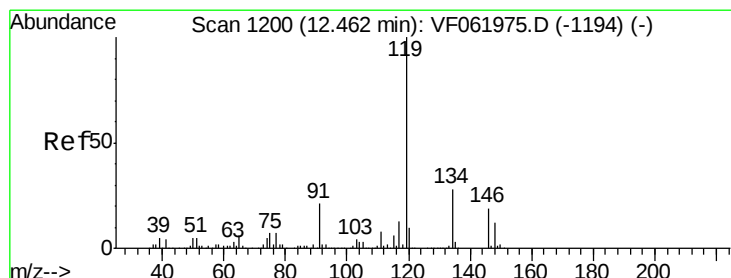
Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.0	29.8

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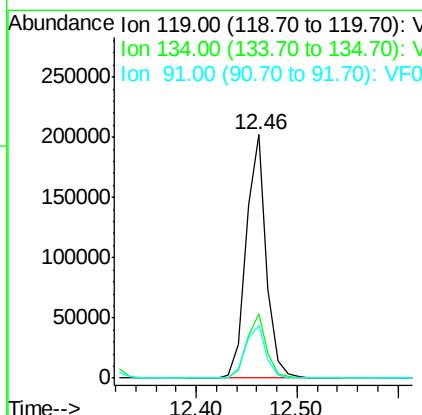
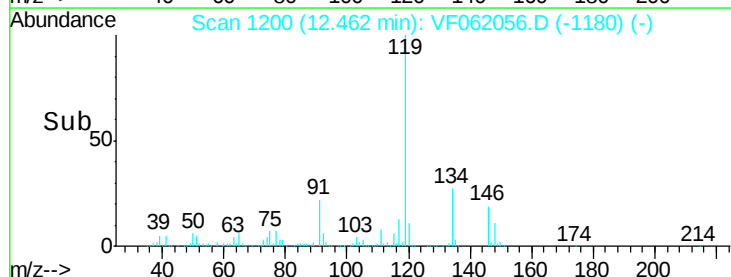
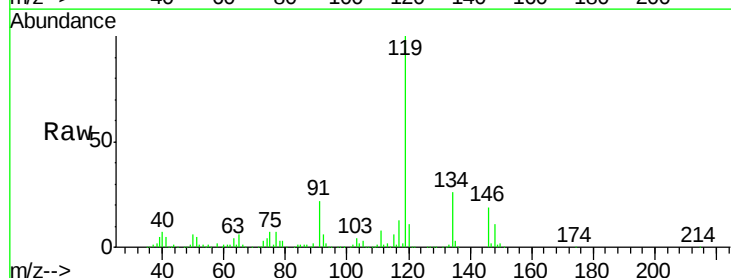


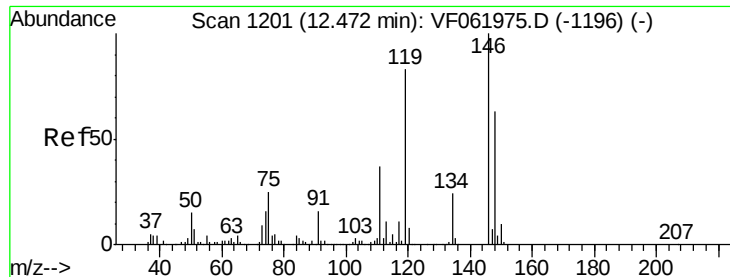
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#86
 p-Isopropyltoluene
 Concen: 22.593 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.9	41.7
91	22.0	10.4	31.1





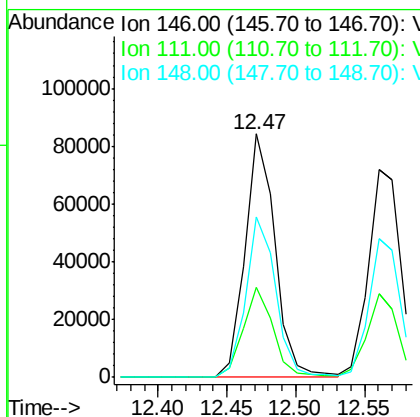
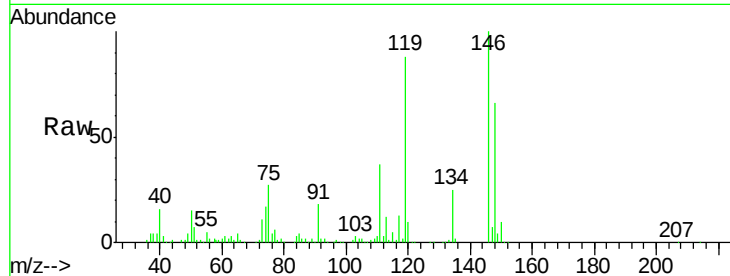
#87
 1,3-Dichlorobenzene
 Concen: 21.838 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

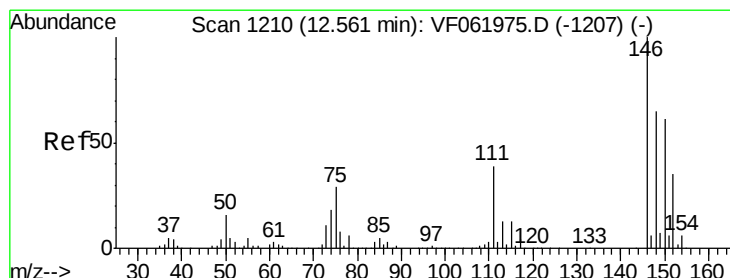
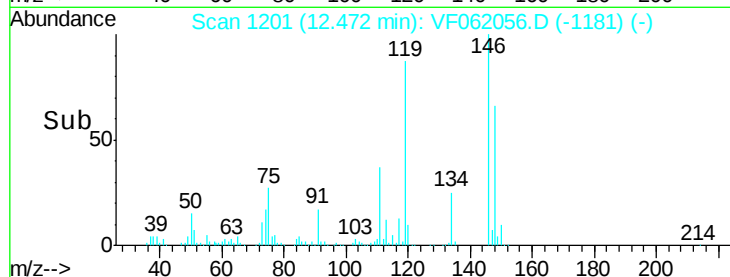
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	55.8
148	66.1	31.3	93.9

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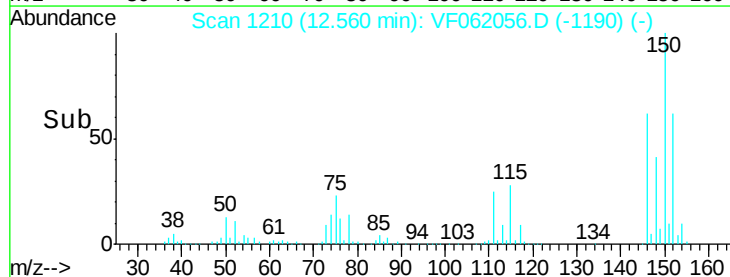
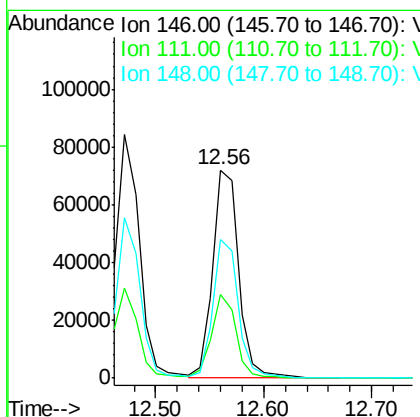
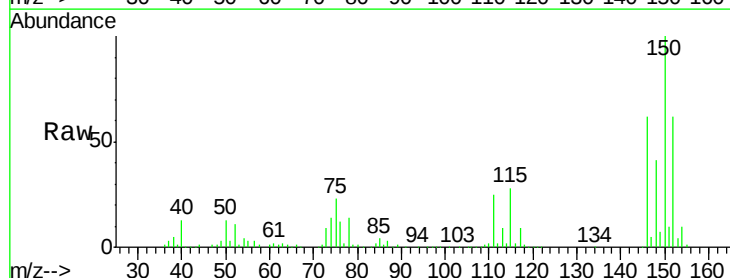


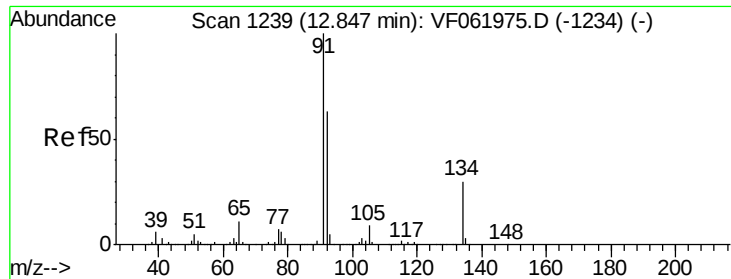
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#88
 1,4-Dichlorobenzene
 Concen: 21.163 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.4	58.1
148	66.5	32.4	97.0





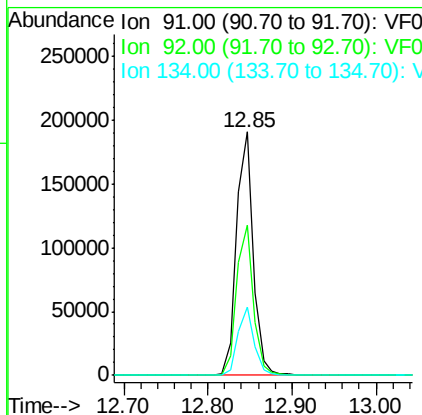
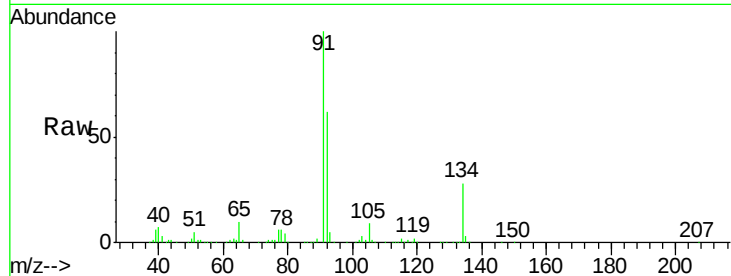
#89
n-Butylbenzene
Concen: 22.818 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

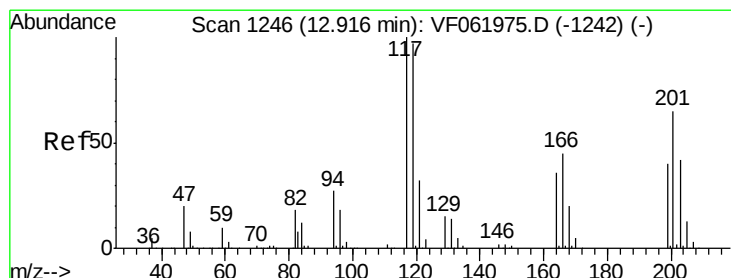
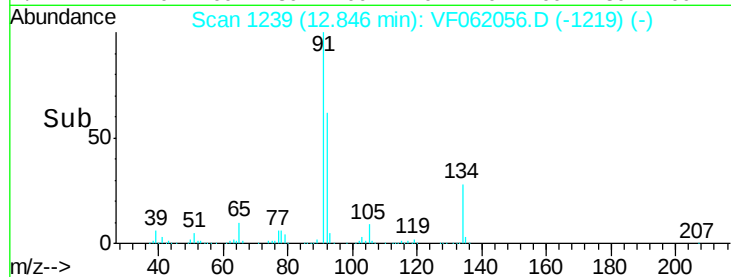
Tot Ion	Ratio	Lower	Upper
91	100		
92	61.8	31.7	95.1
134	28.2	15.1	45.3

Manual Integrations
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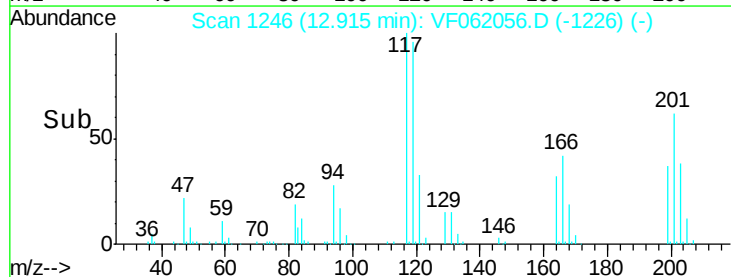
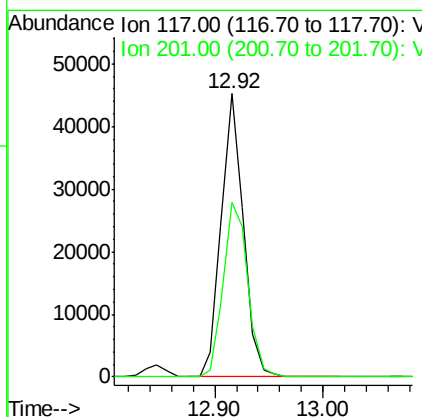
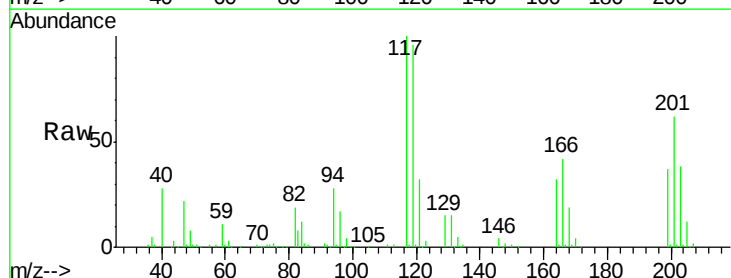


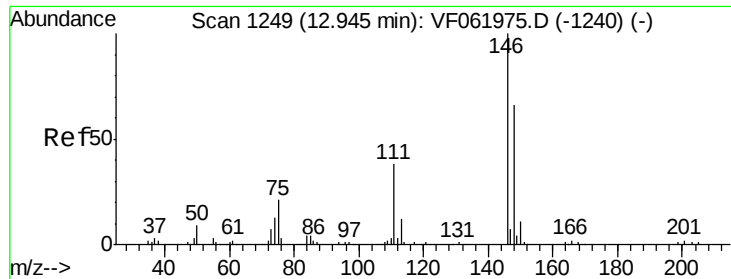
3/23/2019 2:59:12 AM



#90
Hexachloroethane
Concen: 22.911 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.8	32.5	97.5





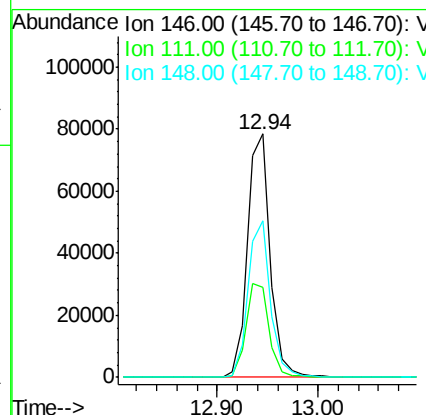
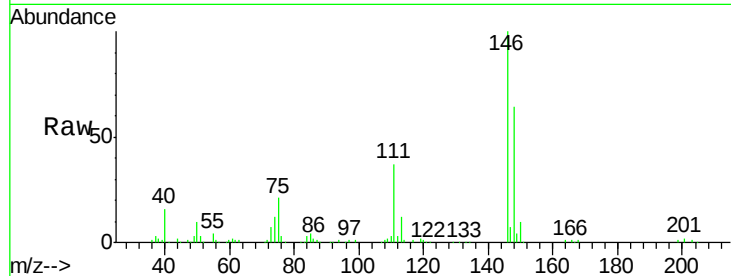
#91
 1,2-Dichlorobenzene
 Concen: 22.545 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

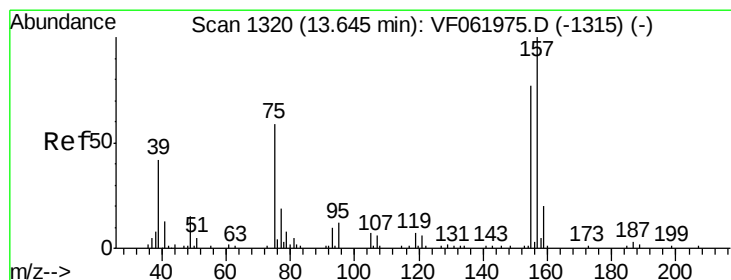
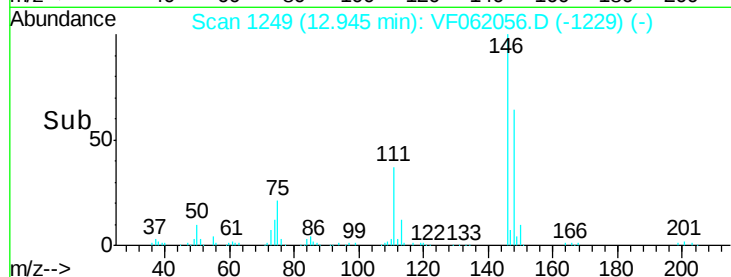
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.5
148	64.3	32.9	98.6

Manual Integrations
 APPROVED

MM Dadoda

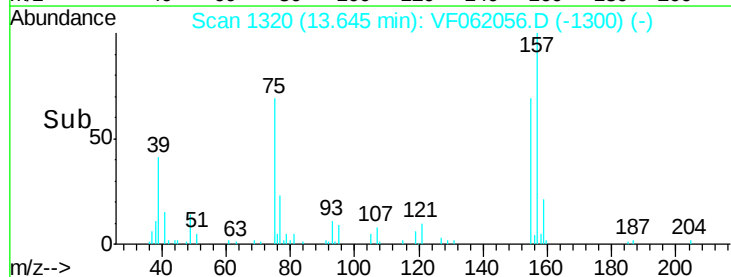
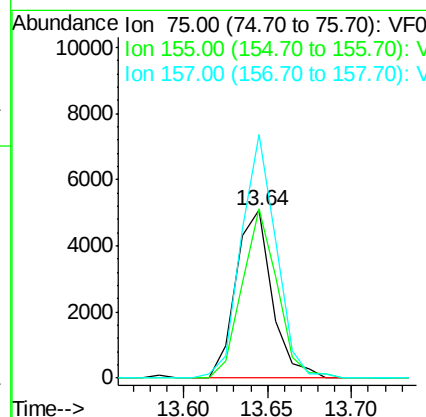
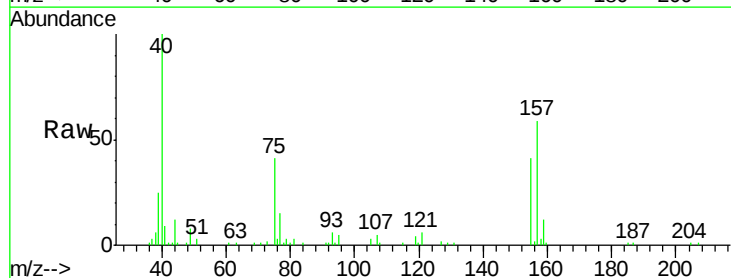


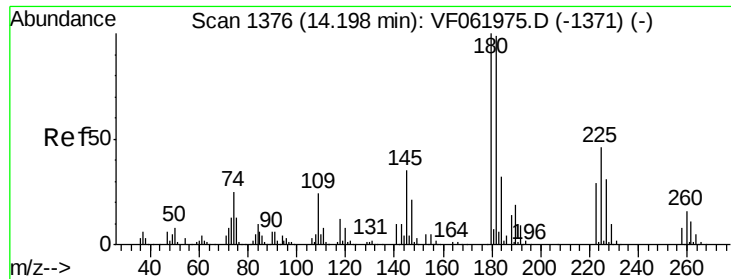
3/23/2019 2:59:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.096 ug/l
 RT: 13.64 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.6	65.0	195.1
157	144.9	84.7	254.0





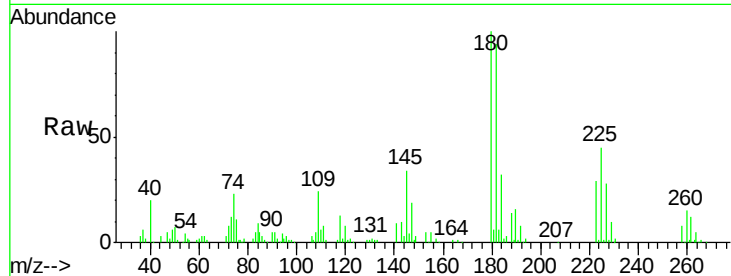
#93
 1,2,4-Trichlorobenzene
 Concen: 21.864 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBS01

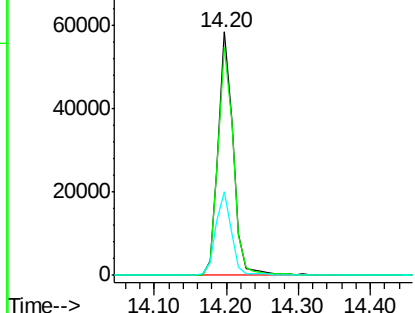
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	49.6	149.0
145	34.2	17.5	52.5

Manual Integrations
 APPROVED

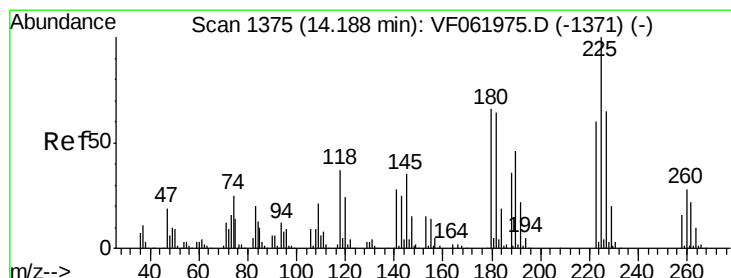
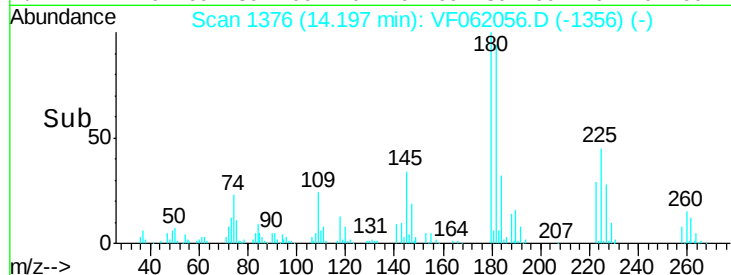
MM Dadoda



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

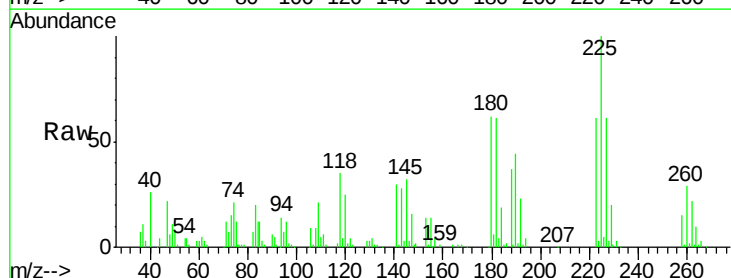


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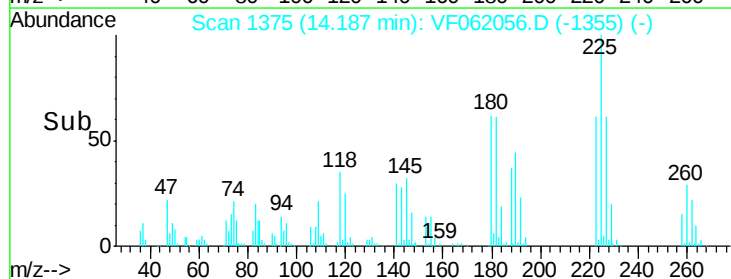
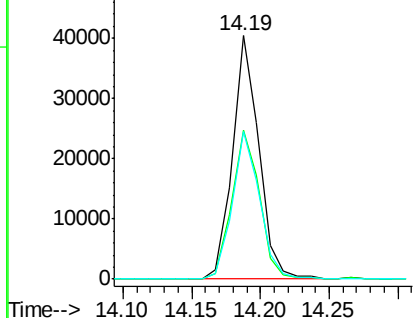


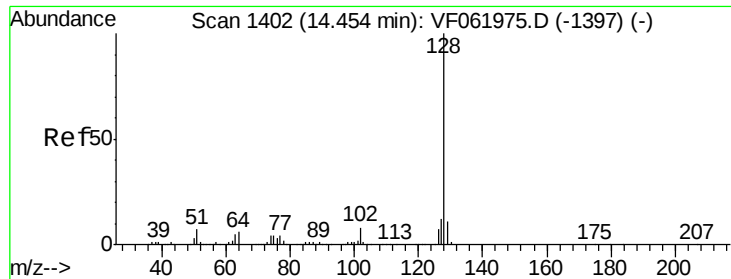
#94
 Hexachlorobutadiene
 Concen: 21.426 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF062056.D
 Acq: 21 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	29.9	89.7
227	60.9	32.4	97.2



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





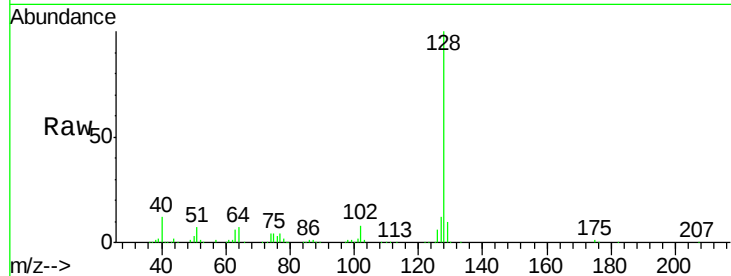
#95
Naphthalene
Concen: 20.954 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :
VF0321SBS01

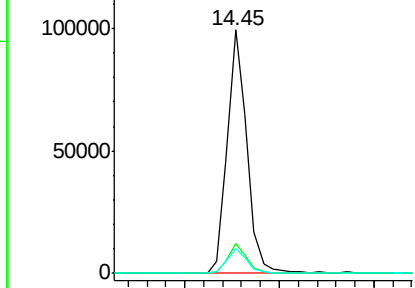
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	9.3	13.9
129	10.4	9.1	13.7

Manual Integrations
APPROVED

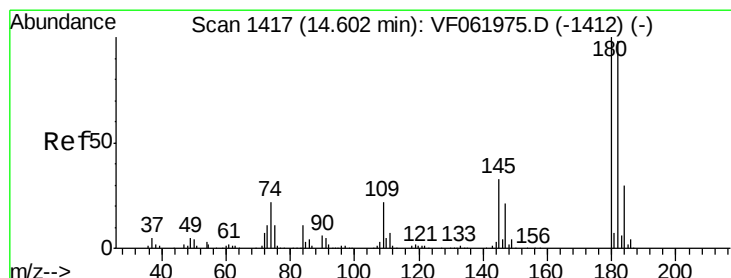
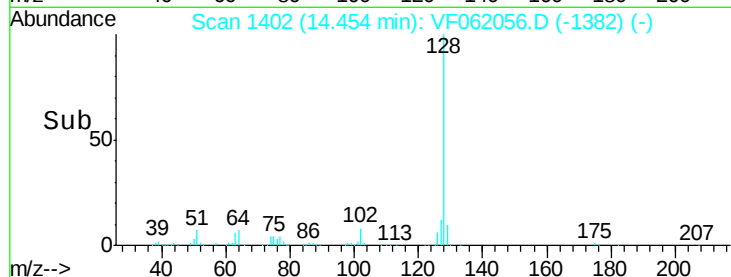
MM Dadoda



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

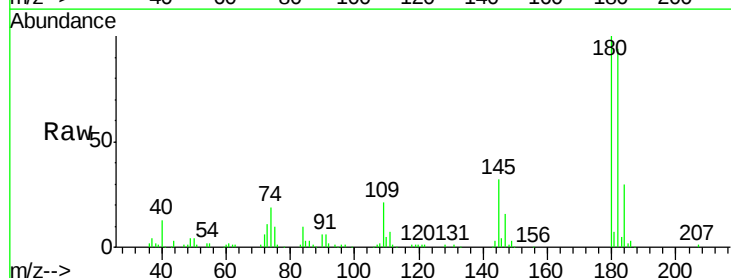


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#96
1,2,3-Trichlorobenzene
Concen: 21.620 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062056.D
Acq: 21 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.9	146.8
145	32.3	16.7	50.1



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

