

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021419\
 Data File : VF061635.D
 Acq On : 14 Feb 2019 12:41
 Operator : VA/AP
 Sample : VF0214SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0214SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 12:11:36 AM

Quant Time: Feb 15 01:19:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	296590	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	470630	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	411499	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	229592	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	123439	56.76	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	113.52%	
35) Dibromofluoromethane	4.10	113	185302	53.02	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.04%	
50) Toluene-d8	7.54	98	529699	52.72	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.44%	
62) 4-Bromofluorobenzene	11.41	95	210958	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	81082	23.805	ug/l	99
3) Chloromethane	1.10	50	84836	23.739	ug/l	99
4) Vinyl Chloride	1.14	62	80402	24.202	ug/l	91
5) Bromomethane	1.33	94	52037	22.759	ug/l	86
6) Chloroethane	1.38	64	39704	24.251	ug/l	98
7) Trichlorofluoromethane	1.48	101	90167	22.503	ug/l	99
8) Diethyl Ether	1.63	74	22694	22.474	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	65525	22.668	ug/l	89
10) Methyl Iodide	1.90	142	125326m	22.697	ug/l	
11) Tert butyl alcohol	2.58	59	14332	113.862	ug/l #	92
12) 1,1-Dichloroethene	1.80	96	59322	23.341	ug/l	97
13) Acrolein	2.00	56	21451	135.596	ug/l	92
14) Allyl chloride	2.09	41	79524	25.499	ug/l	98
15) Acrylonitrile	2.94	53	50046	112.092	ug/l	99
16) Acetone	2.24	43	54999	117.861	ug/l	91
17) Carbon Disulfide	1.82	76	187565	23.479	ug/l	97
18) Methyl Acetate	2.34	43	23773	22.614	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	98080	22.581	ug/l	94
20) Methylene Chloride	2.18	84	68607m	26.239	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	59866	21.669	ug/l	96
22) Diisopropyl ether	2.80	45	173677	23.200	ug/l	97
23) Vinyl Acetate	3.19	43	426061	116.523	ug/l	98
24) 1,1-Dichloroethane	2.87	63	102957	22.726	ug/l	99
25) 2-Butanone	4.33	43	115835	113.642	ug/l	97
26) 2,2-Dichloropropane	3.60	77	44075	22.968	ug/l	95
27) cis-1,2-Dichloroethene	3.47	96	83355	22.986	ug/l	100
28) Bromochloromethane	3.71	49	48631	22.372	ug/l	96
29) Tetrahydrofuran	4.07	42	50925	109.923	ug/l	99
30) Chloroform	3.86	83	110776	21.501	ug/l	98
31) Cyclohexane	3.69	56	109573	22.342	ug/l	95
32) 1,1,1-Trichloroethane	4.09	97	77941	23.094	ug/l	99
36) 1,1-Dichloropropene	4.27	75	95831	20.555	ug/l	90
37) Ethyl Acetate	4.10	43	44894	20.732	ug/l #	82
38) Carbon Tetrachloride	3.99	117	69904	21.714	ug/l	92

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 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	122231	22.168	ug/l	97
40) Benzene	4.63	78	255806	20.977	ug/l	99
41) Methacrylonitrile	4.74	41	23754	21.450	ug/l #	93
42) 1,2-Dichloroethane	4.94	62	59193	20.292	ug/l	97
43) Isopropyl Acetate	6.95	43	52326	20.414	ug/l #	89
44) Trichloroethene	5.49	130	83087	21.070	ug/l	99
45) 1,2-Dichloropropane	6.23	63	63555	21.561	ug/l	96
46) Dibromomethane	6.09	93	37017	20.396	ug/l	88
47) Bromodichloromethane	6.38	83	81692	20.555	ug/l	99
48) Methyl methacrylate	6.72	41	32324	20.955	ug/l	92
49) 1,4-Dioxane	6.71	88	5633	388.469	ug/l	95
51) 4-Methyl-2-Pentanone	8.25	43	196975	107.548	ug/l	100
52) Toluene	7.62	92	151618	20.500	ug/l	100
53) t-1,3-Dichloropropene	8.27	75	72131	21.807	ug/l	90
54) cis-1,3-Dichloropropene	7.30	75	96917	21.997	ug/l	96
55) 1,1,2-Trichloroethane	8.48	97	45862	21.106	ug/l	97
56) Ethyl methacrylate	8.62	69	52722	21.792	ug/l	97
57) 1,3-Dichloropropane	8.85	76	74656	20.584	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.29	63	44936	107.653	ug/l	95
59) 2-Hexanone	9.49	43	142879	111.290	ug/l	98
60) Dibromochloromethane	8.71	129	62541	20.678	ug/l	99
61) 1,2-Dibromoethane	8.98	107	49231	20.888	ug/l	98
64) Tetrachloroethene	8.15	164	65679	19.527	ug/l	94
65) Chlorobenzene	9.79	112	171341	20.519	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	68535	20.946	ug/l	97
67) Ethyl Benzene	9.89	91	294136	21.182	ug/l	98
68) m/p-Xylenes	10.13	106	231037	43.473	ug/l	98
69) o-Xylene	10.71	106	123977	21.862	ug/l	99
70) Styrene	10.78	104	175429	21.867	ug/l	98
71) Bromoform	10.77	173	37420	21.061	ug/l	99
73) Isopropylbenzene	11.12	105	340212	20.812	ug/l	98
74) N-amyl acetate	11.37	43	84930	21.646	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.69	83	60432	20.636	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	39988	20.084	ug/l	96
77) Bromobenzene	11.49	156	85800	21.246	ug/l	95
78) n-propylbenzene	11.59	91	393954	21.002	ug/l	95
79) 2-Chlorotoluene	11.72	91	219041	20.850	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	286216	21.907	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.86	75	19610m	20.544	ug/l	
82) 4-Chlorotoluene	11.89	91	224729	20.610	ug/l	95
83) tert-Butylbenzene	12.13	119	306422	21.175	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	283191	21.818	ug/l	95
85) sec-Butylbenzene	12.30	105	395864	21.155	ug/l	94
86) p-Isopropyltoluene	12.46	119	354329	22.562	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	168460	21.398	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	161872	21.379	ug/l	97
89) n-Butylbenzene	12.84	91	330876	22.312	ug/l	96
90) Hexachloroethane	12.91	117	76672	20.992	ug/l	82
91) 1,2-Dichlorobenzene	12.94	146	153887	20.551	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	9870	21.257	ug/l	90

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ClientSampleId :
VF0214SBSD01

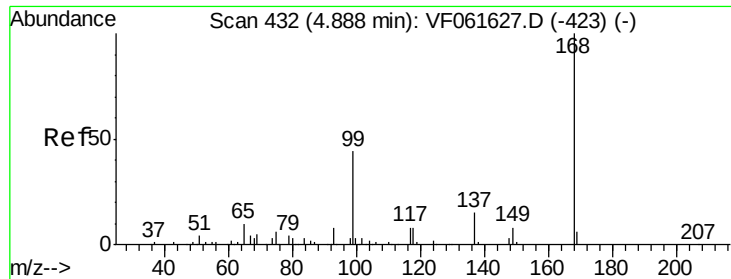
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	115519	21.522	ug/l	98
94) Hexachlorobutadiene	14.19	225	73143	22.065	ug/l	93
95) Naphthalene	14.46	128	197168	20.996	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	105592	21.434	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0214SBSD01

Tgt Ion: 168 Resp: 296590

Ion Ratio Lower Upper

168 100

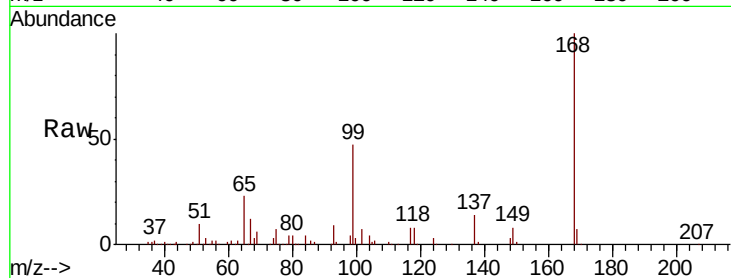
99 46.6 34.9 52.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

100000

80000

60000

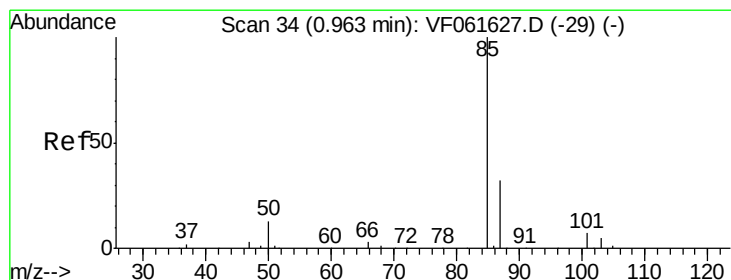
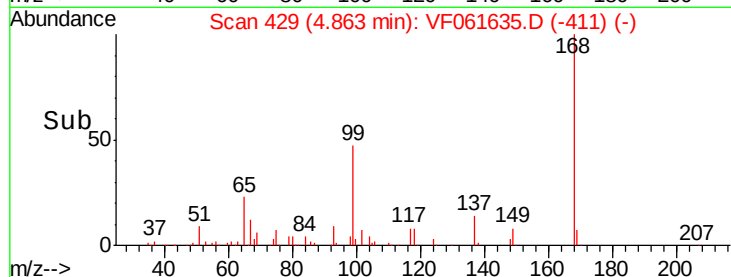
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.805 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061635.D

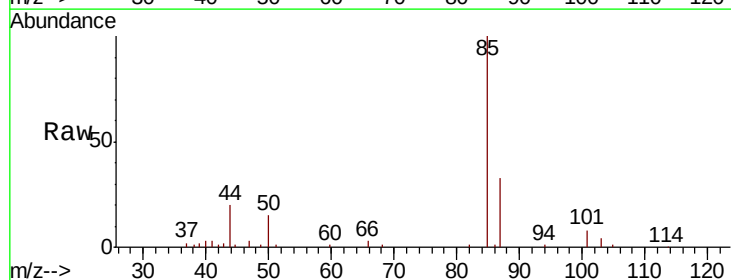
Acq: 14 Feb 2019 12:41

Tgt Ion: 85 Resp: 81082

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

15000

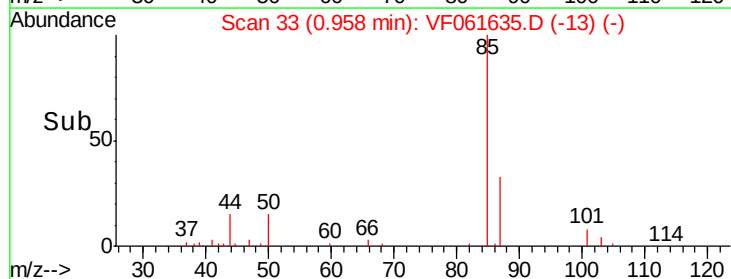
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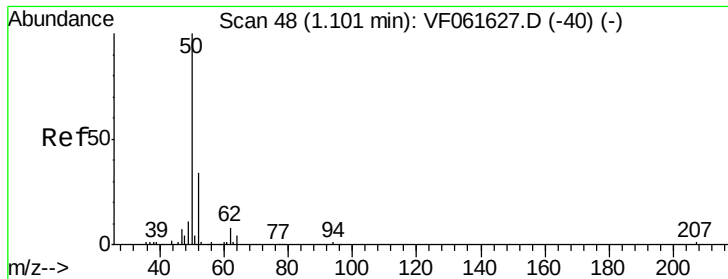
5000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 23.739 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0214SBS01

Tgt Ion: 50 Resp: 84836

Ion Ratio Lower Upper

50 100

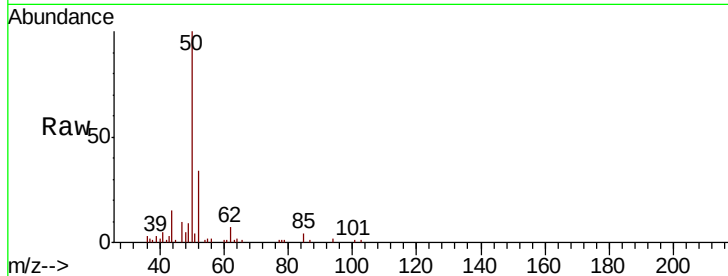
52 33.5 26.2 39.4

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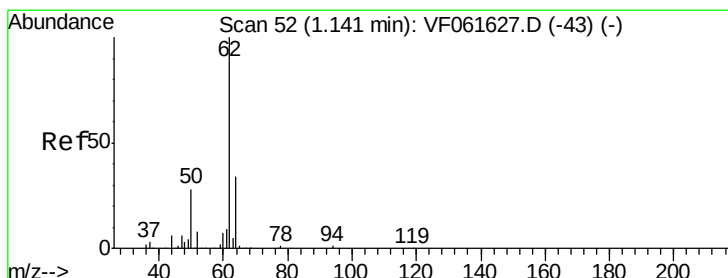
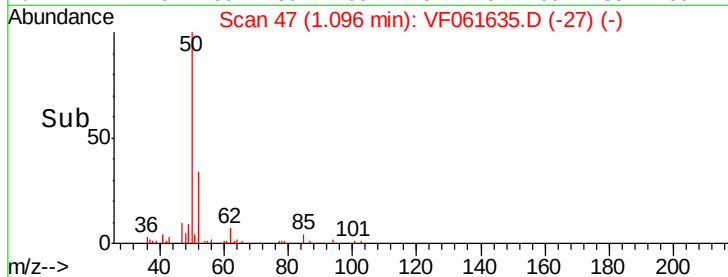
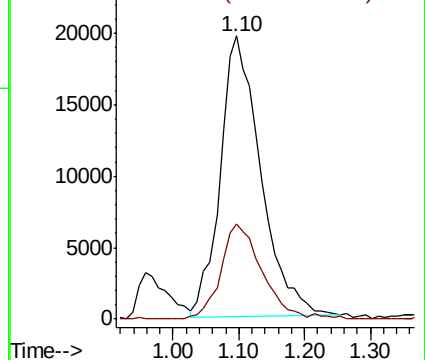
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 24.202 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061635.D

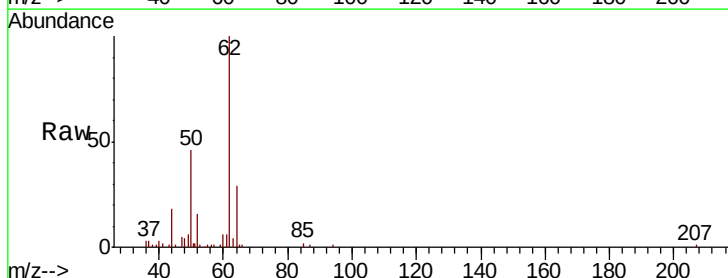
Acq: 14 Feb 2019 12:41

Tgt Ion: 62 Resp: 80402

Ion Ratio Lower Upper

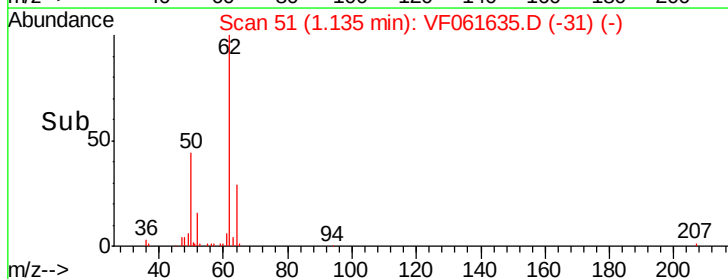
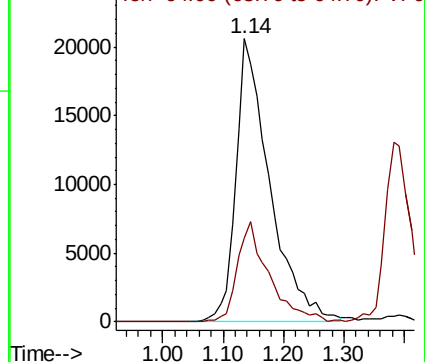
62 100

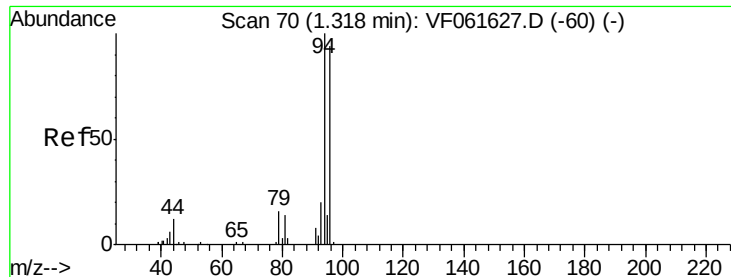
64 29.4 27.5 41.3



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 22.759 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0214SBS01

Tgt Ion: 94 Resp: 52037

Ion Ratio Lower Upper

94 100

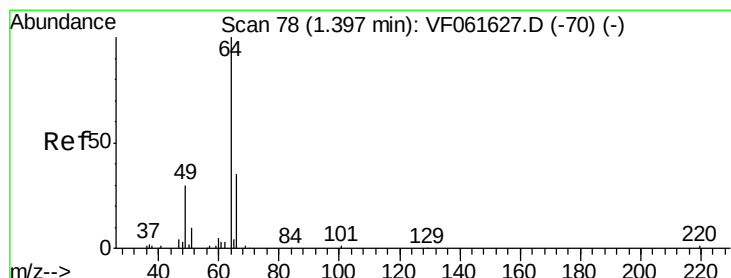
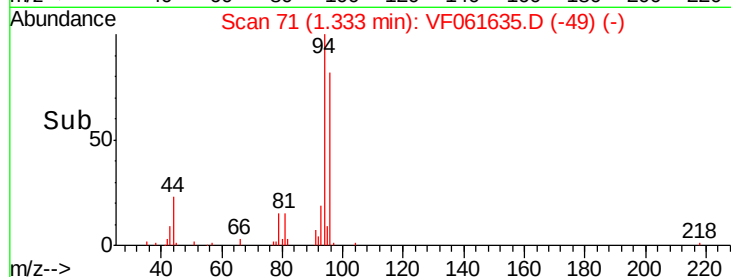
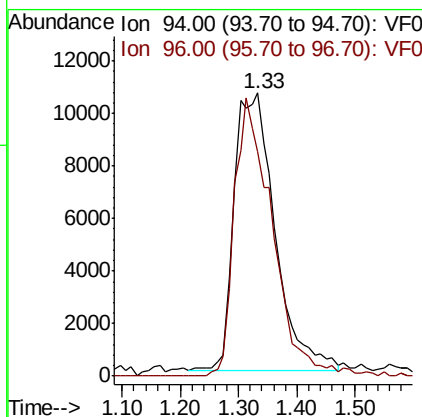
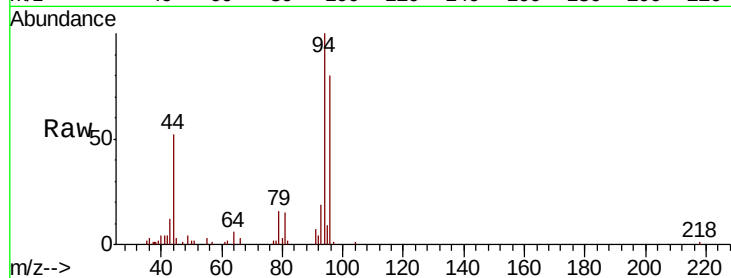
96 79.5 74.6 112.0

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#6

Chloroethane

Concen: 24.251 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.02 min

Lab File: VF061635.D

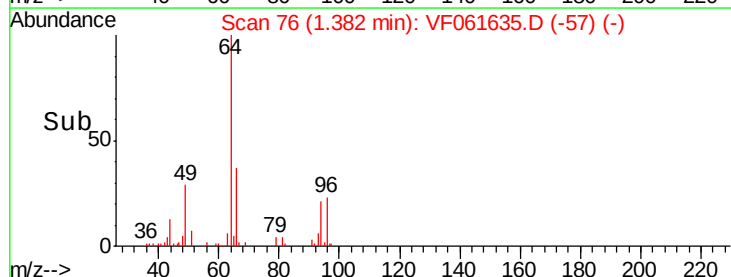
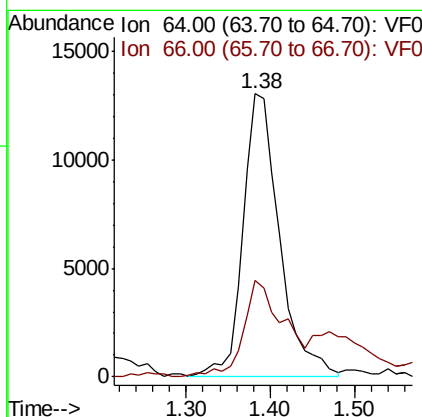
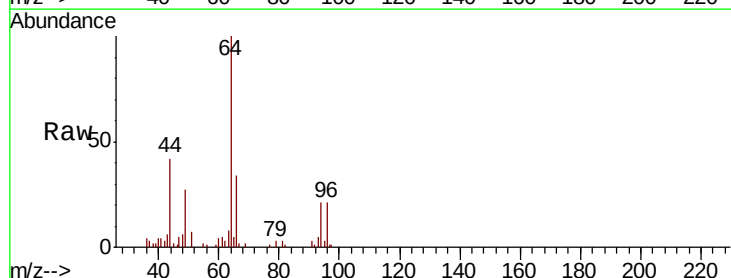
Acq: 14 Feb 2019 12:41

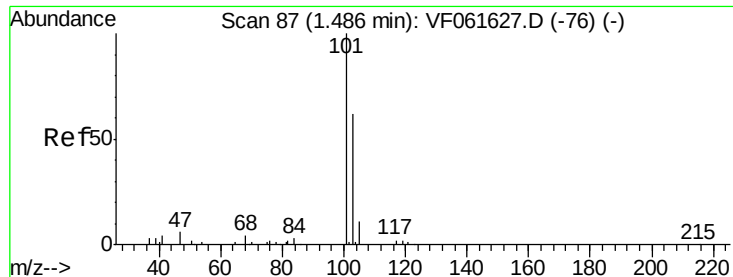
Tgt Ion: 64 Resp: 39704

Ion Ratio Lower Upper

64 100

66 33.9 27.9 41.9





#7

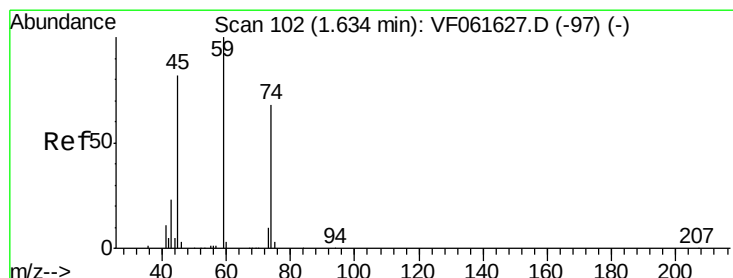
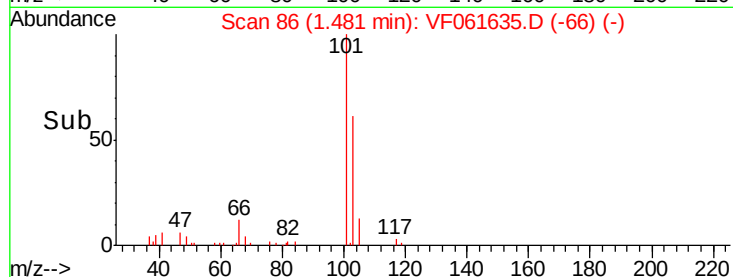
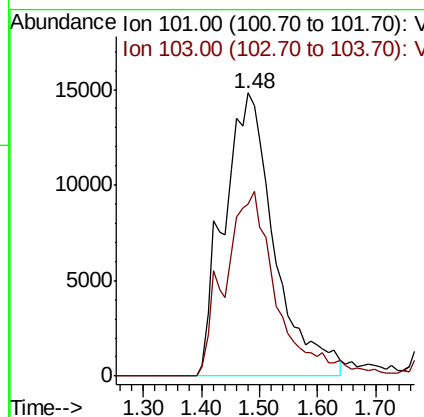
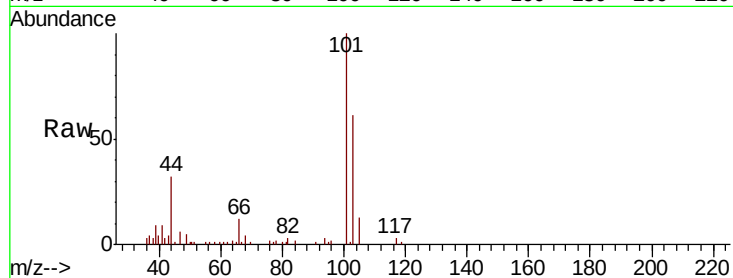
Trichlorofluoromethane
Concen: 22.503 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.01 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

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ClientSampleId :
VF0214SBSD01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	60.9	49.3	73.9

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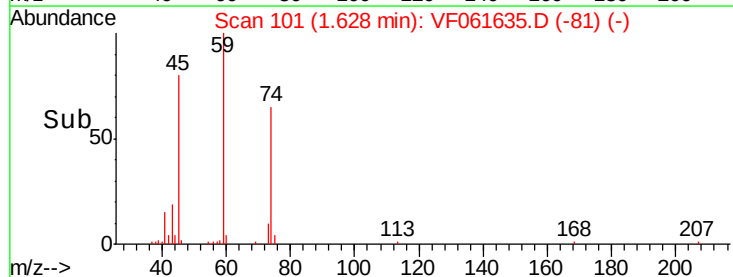
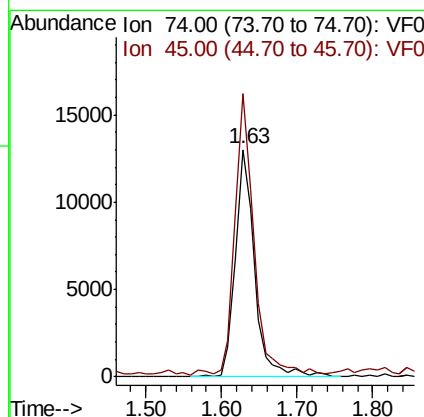
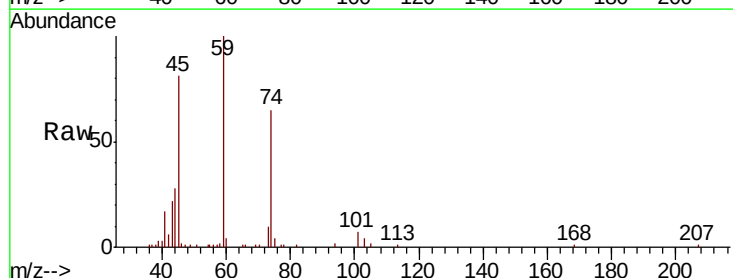
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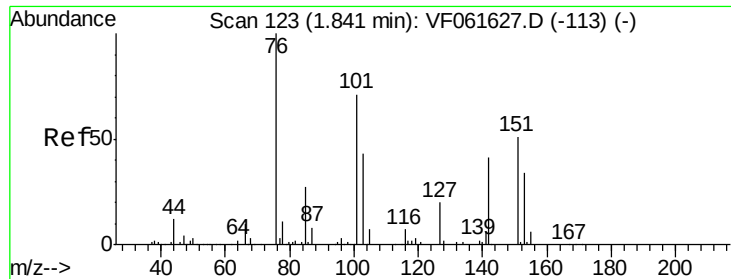


#8

Diethyl Ether
Concen: 22.474 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	124.7	60.8	182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.668 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.02 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Instrument :

MSVOA_F

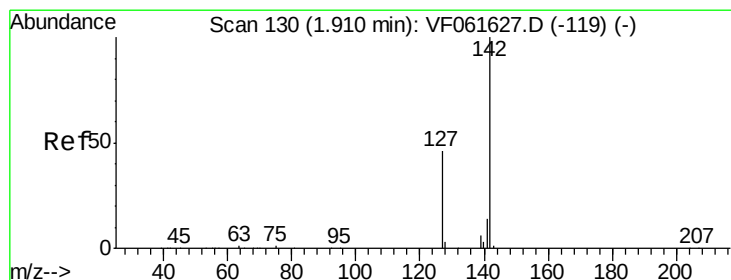
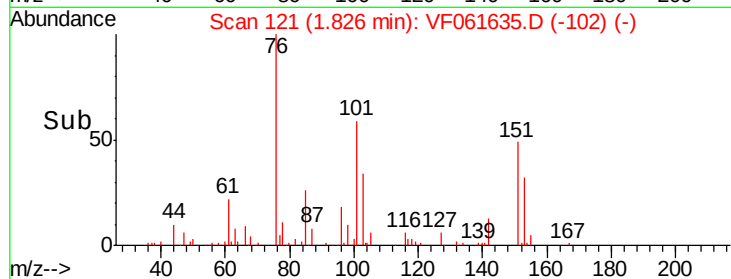
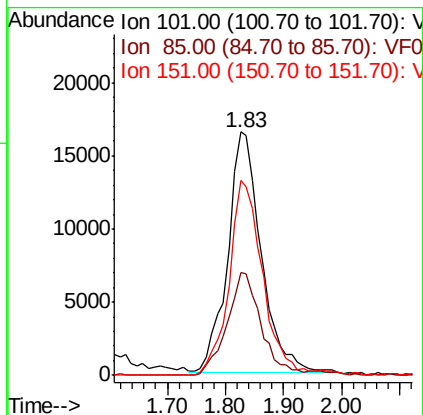
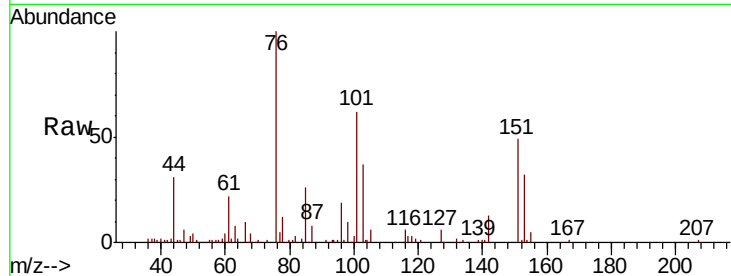
ClientSampleId :

VF0214SBS01

Tgt Ion:	101	Resp:	65525
Ion Ratio	Lower	Upper	
101	100		
85	42.3	29.8	44.6
151	80.2	56.3	84.5

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#10

Methyl Iodide

Concen: 22.697 ug/l m

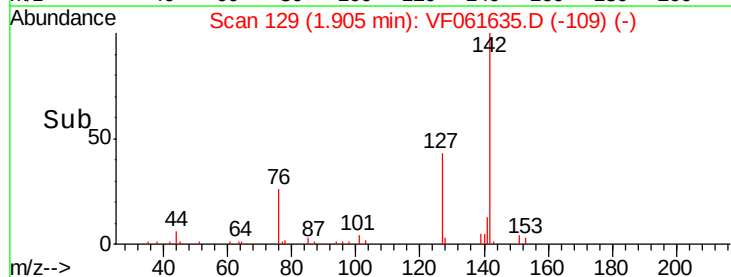
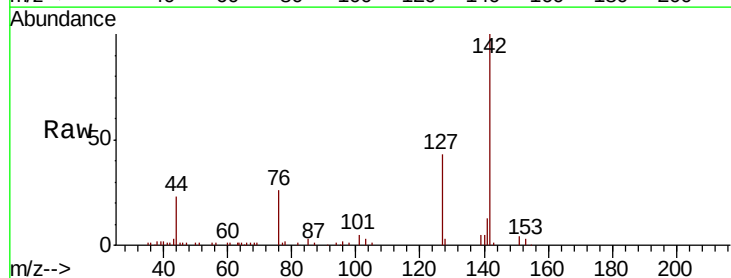
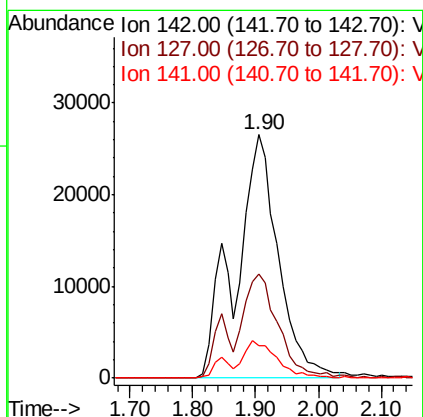
RT: 1.90 min Scan# 129

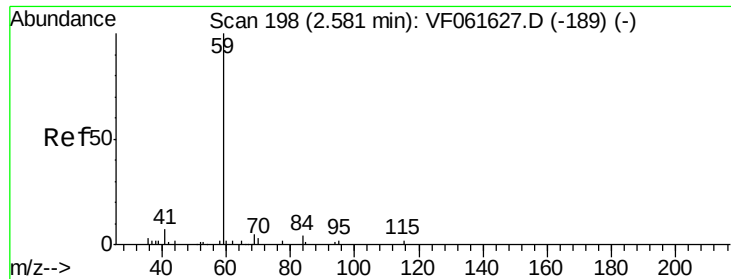
Delta R.T. -0.01 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Tgt Ion:	142	Resp:	125326
Ion Ratio	Lower	Upper	
142	100		
127	42.7	36.6	55.0
141	13.5	11.0	16.6





#11

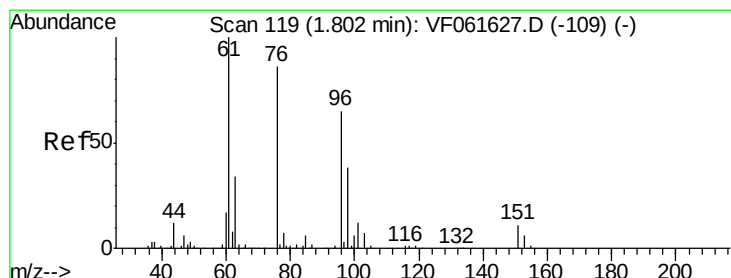
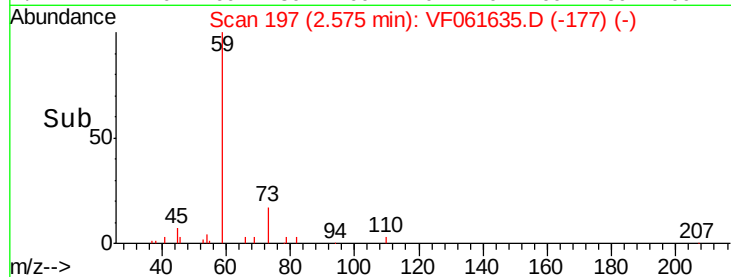
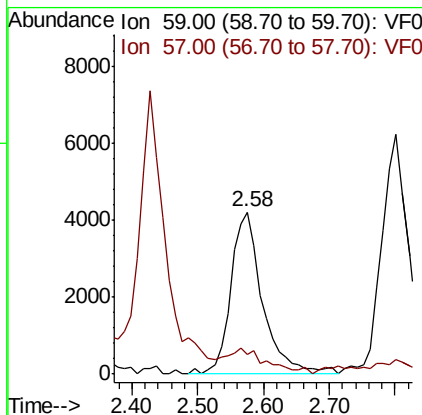
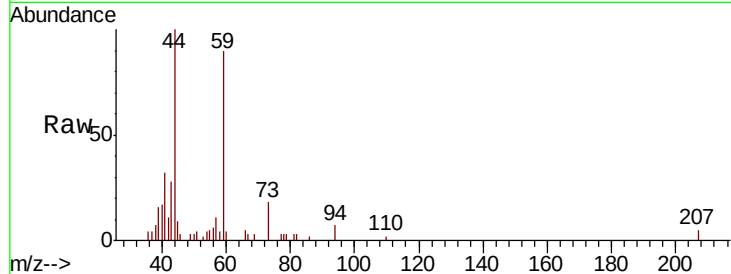
Tert butyl alcohol
Concen: 113.862 ug/l
RT: 2.58 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBS01

Tgt Ion: 59 Resp: 14332
Ion Ratio Lower Upper
59 100
57 12.2 12.5 18.7#

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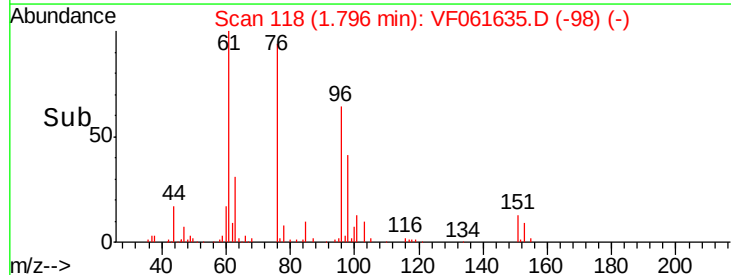
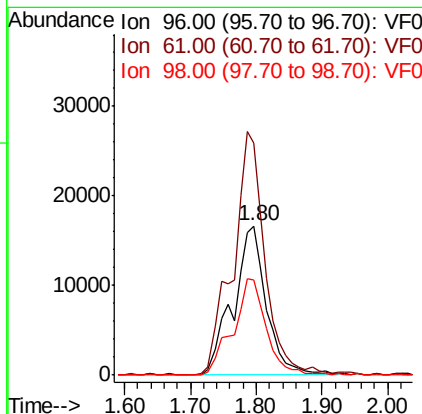
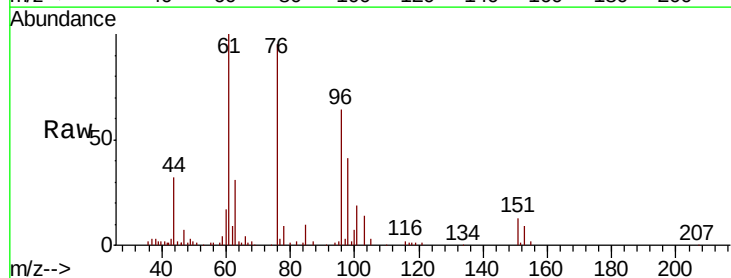
MMDadoda
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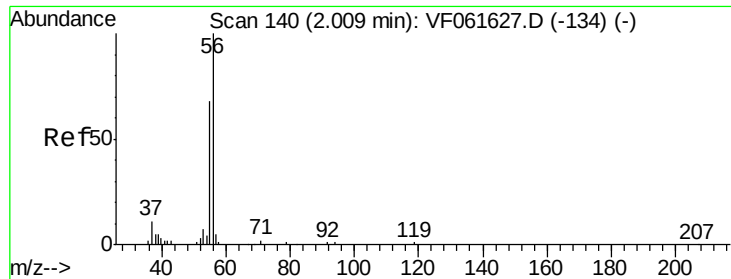


#12

1,1-Dichloroethene
Concen: 23.341 ug/l
RT: 1.80 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion: 96 Resp: 59322
Ion Ratio Lower Upper
96 100
61 155.6 122.6 184.0
98 64.1 47.2 70.8





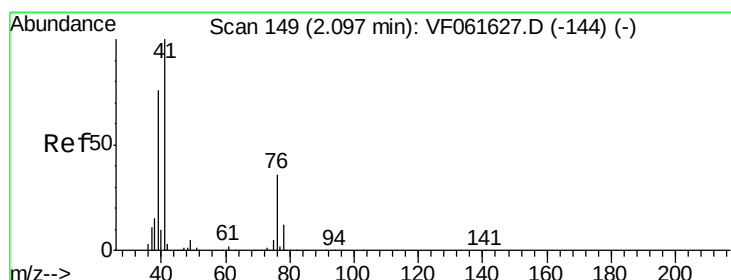
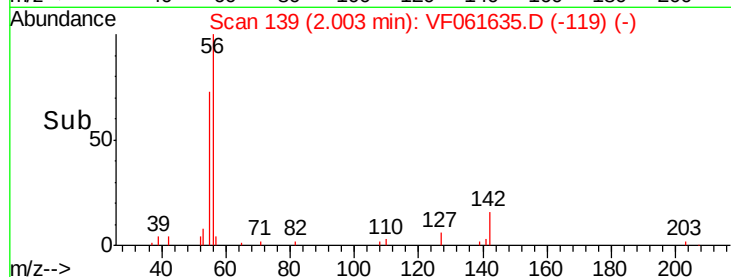
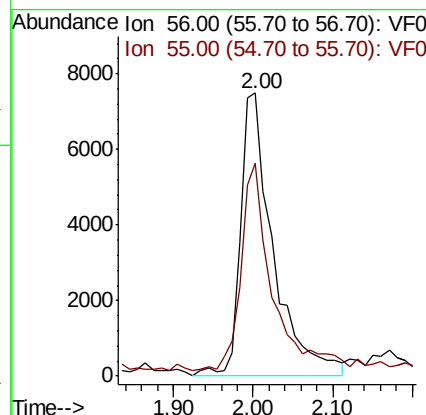
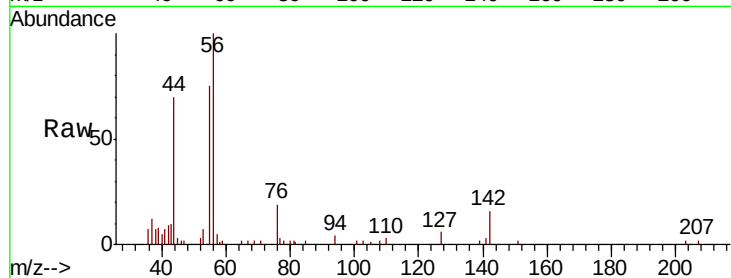
#13
Acrolein
Concen: 135.596 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.01 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBS01

Tgt Ion: 56 Resp: 21451
Ion Ratio Lower Upper
56 100
55 75.4 55.0 82.6

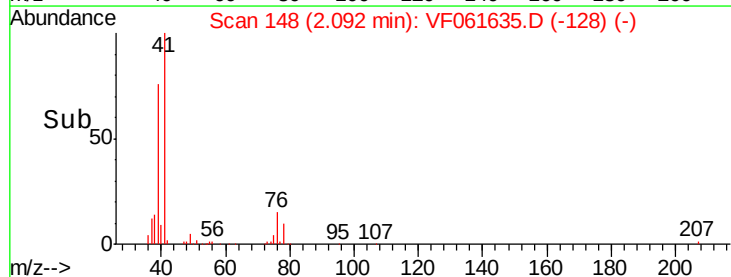
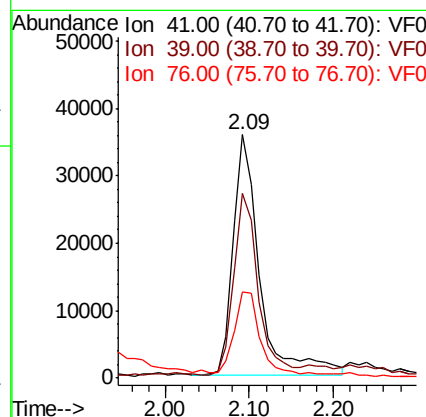
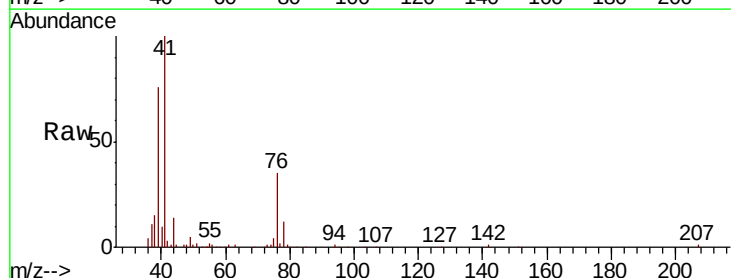
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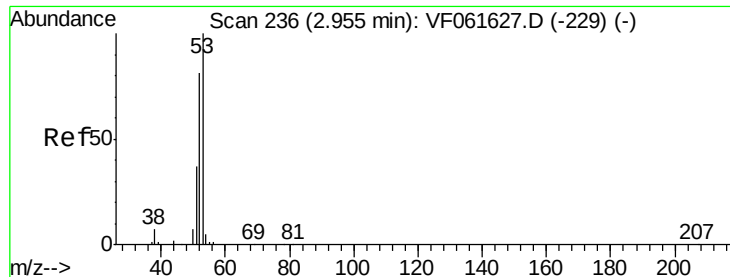
MMDadoda
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#14
Allyl chloride
Concen: 25.499 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.01 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion: 41 Resp: 79524
Ion Ratio Lower Upper
41 100
39 75.6 61.6 92.4
76 35.4 30.3 45.5





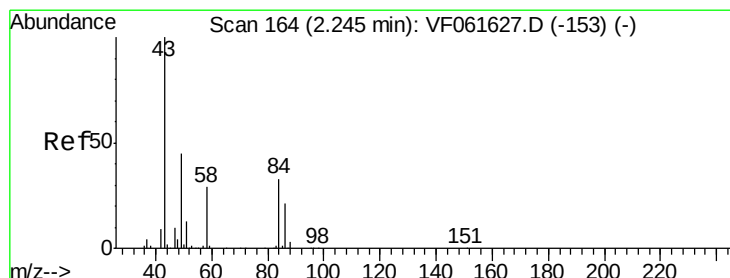
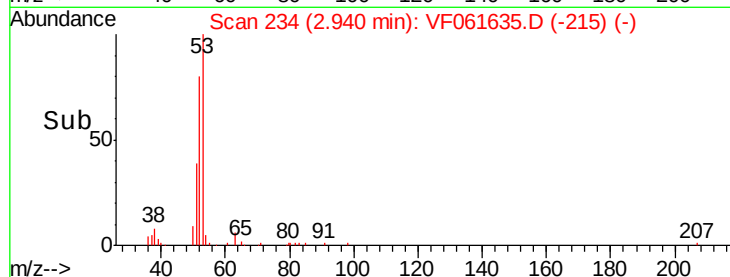
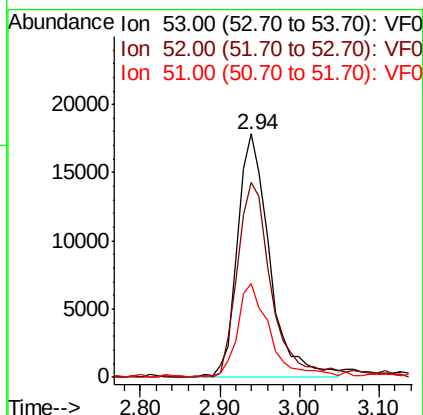
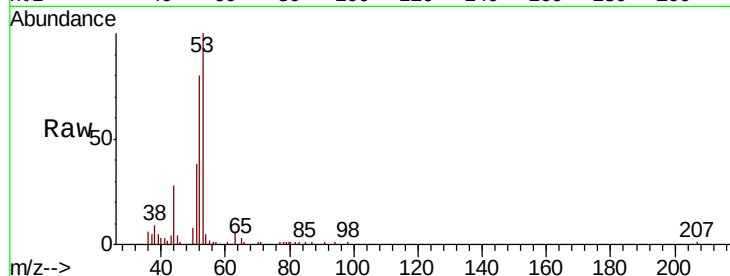
#15
 Acrylonitrile
 Concen: 112.092 ug/l
 RT: 2.94 min Scan# 234
 Delta R.T. -0.02 min
 Lab File: VF061635.D
 Acq: 14 Feb 2019 12:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0214SBS01

Tgt Ion:	53	Resp:	50046
Ion	Ratio	Lower	Upper
53	100		
52	79.9	64.6	97.0
51	38.3	29.8	44.8

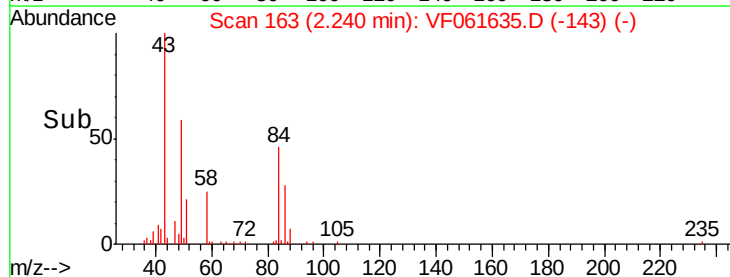
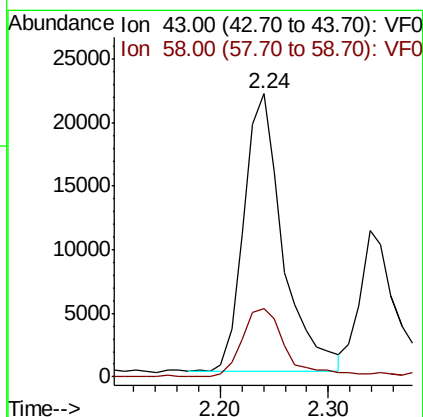
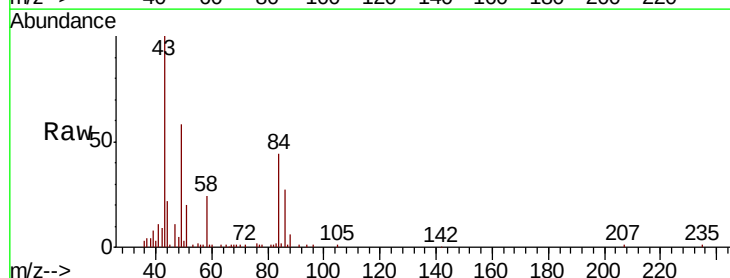
Manual Integrations
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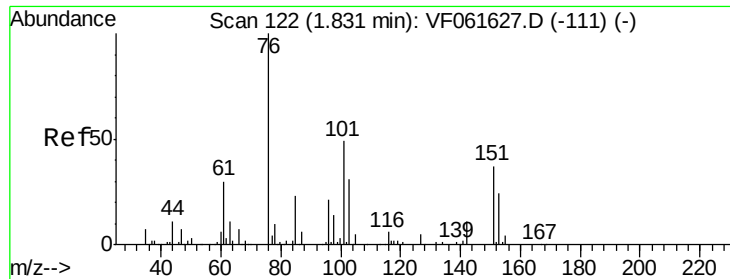
MMDadoda
 2/18/2019 12:11:36 AM



#16
 Acetone
 Concen: 117.861 ug/l
 RT: 2.24 min Scan# 163
 Delta R.T. -0.01 min
 Lab File: VF061635.D
 Acq: 14 Feb 2019 12:41

Tgt Ion:	43	Resp:	54999
Ion	Ratio	Lower	Upper
43	100		
58	23.9	22.9	34.3





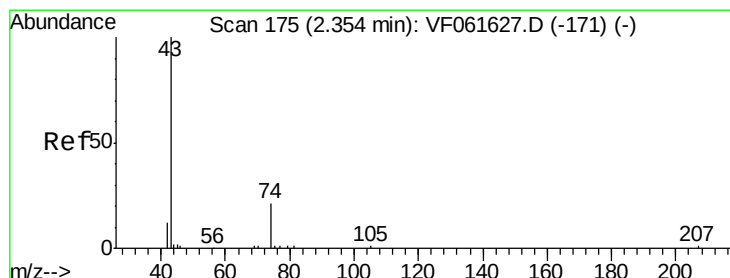
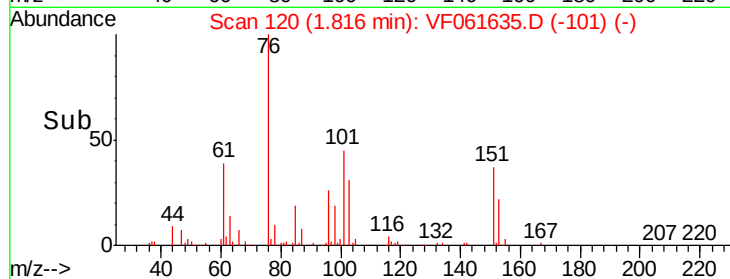
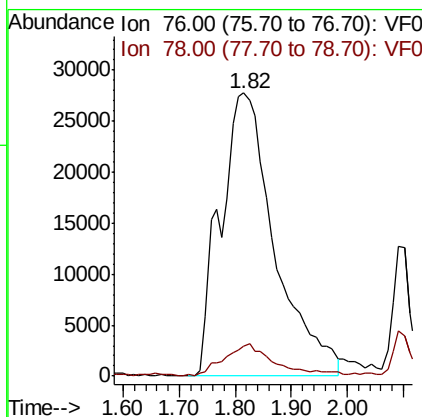
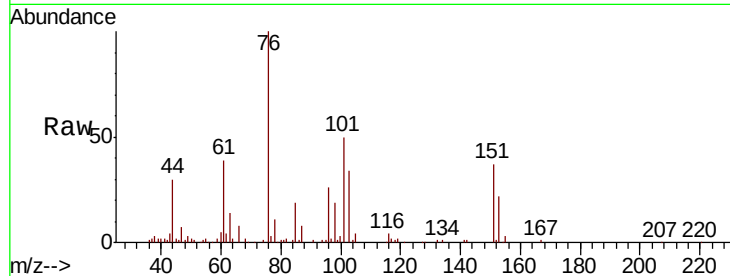
#17
Carbon Disulfide
Concen: 23.479 ug/l
RT: 1.82 min Scan# 120
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBSD01

Tgt Ion: 76 Resp: 187565
Ion Ratio Lower Upper
76 100
78 11.0 7.9 11.9

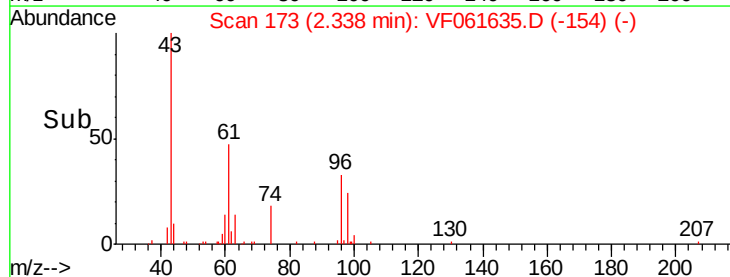
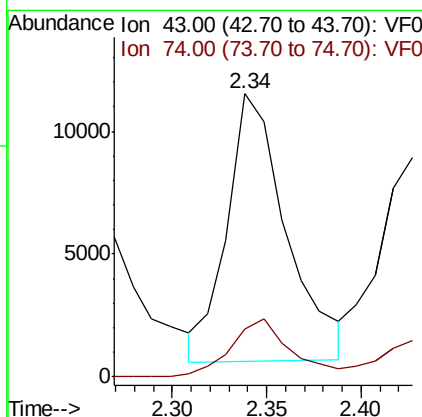
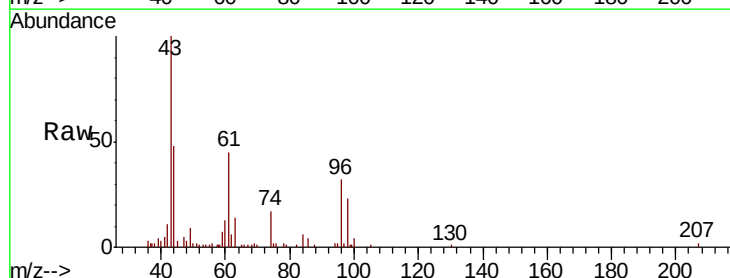
Manual Integrations
APPROVED

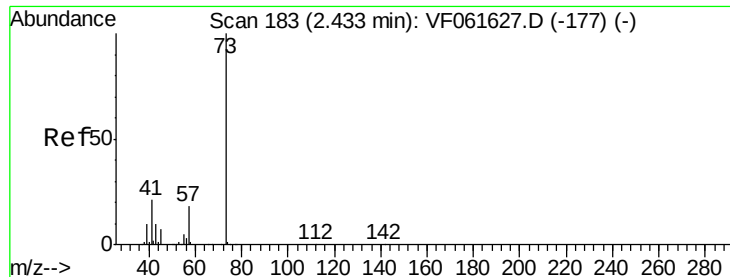
MMDadoda
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#18
Methyl Acetate
Concen: 22.614 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion: 43 Resp: 23773
Ion Ratio Lower Upper
43 100
74 16.8 14.6 21.8





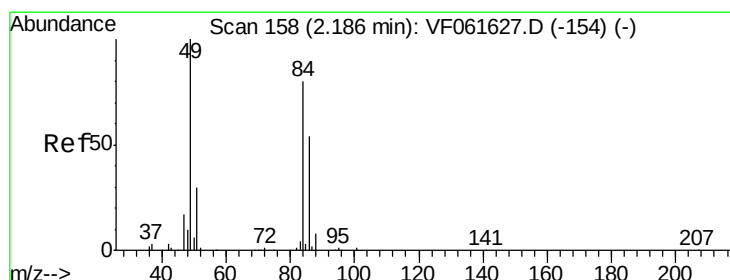
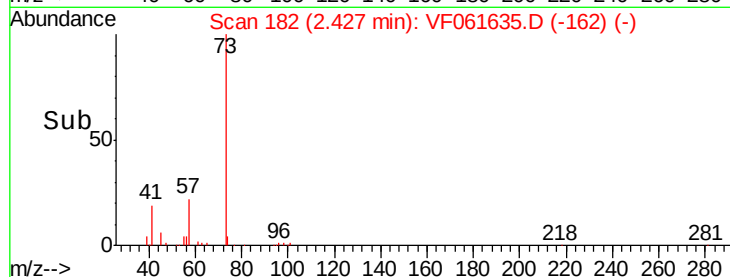
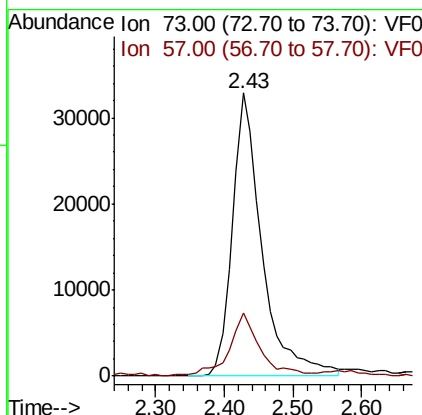
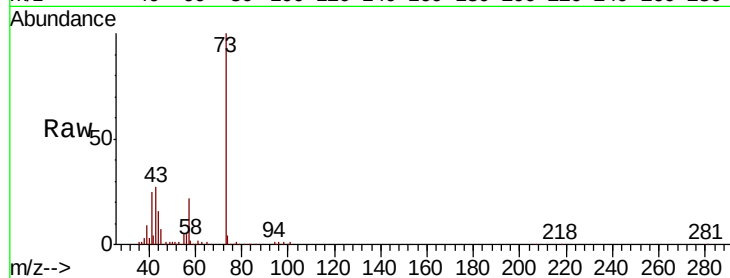
#19
Methyl tert-butyl Ether
Concen: 22.581 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBSD01

Tgt Ion: 73 Resp: 98080
Ion Ratio Lower Upper
73 100
57 22.4 15.8 23.8

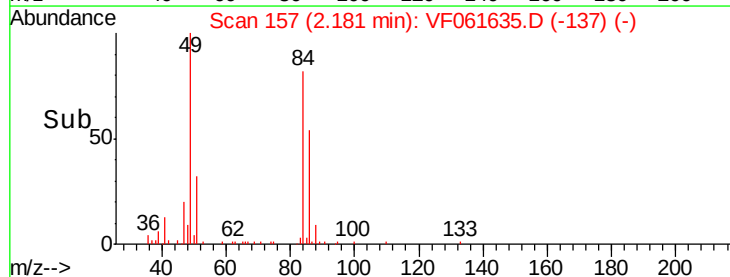
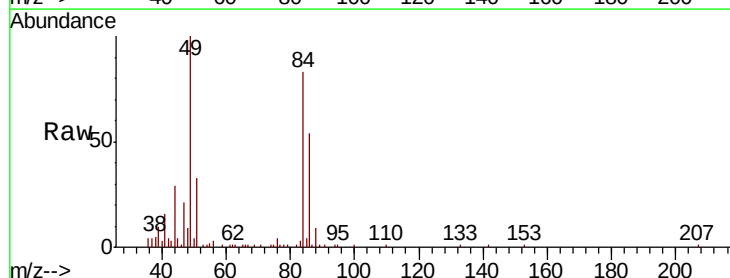
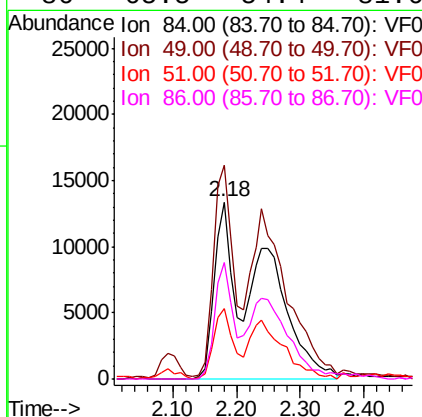
Manual Integrations
APPROVED

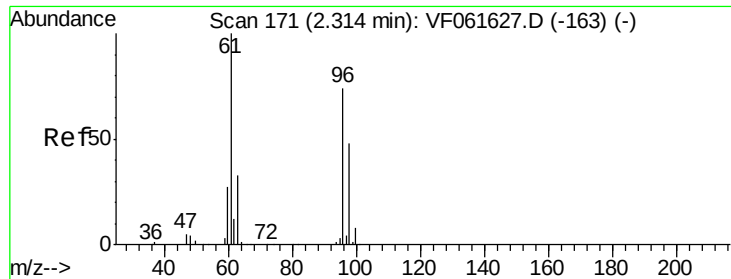
MMDadoda
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#20
Methylene Chloride
Concen: 26.239 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion: 84 Resp: 68607
Ion Ratio Lower Upper
84 100
49 120.5 101.8 152.8
51 39.9 31.1 46.7
86 65.5 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 21.669 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Instrument :

MSVOA_F

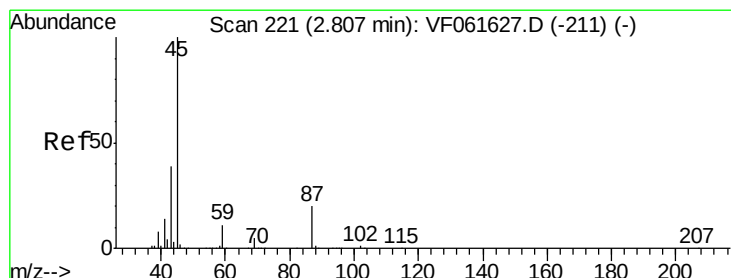
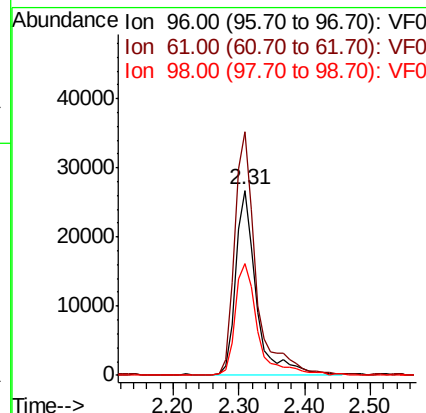
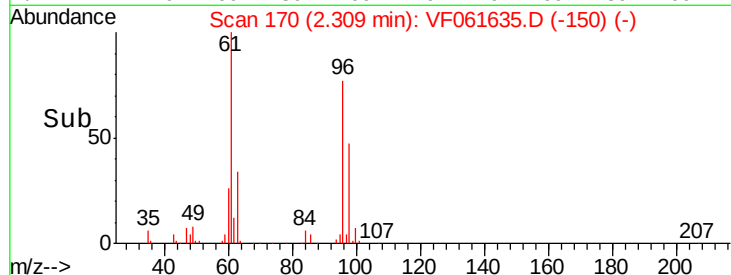
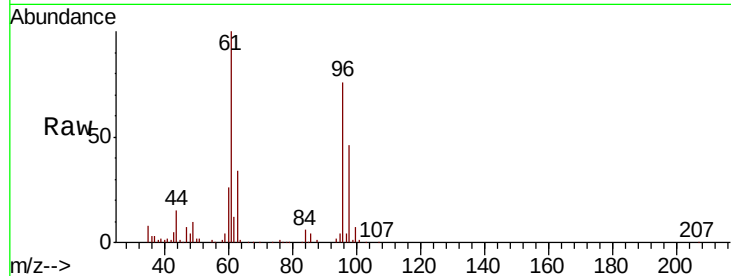
ClientSampleId :

VF0214SBSD01

Tgt Ion:	96	Resp:	59866
Ion	Ratio	Lower	Upper
96	100		
61	131.3	108.2	162.4
98	60.5	52.2	78.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.200 ug/l

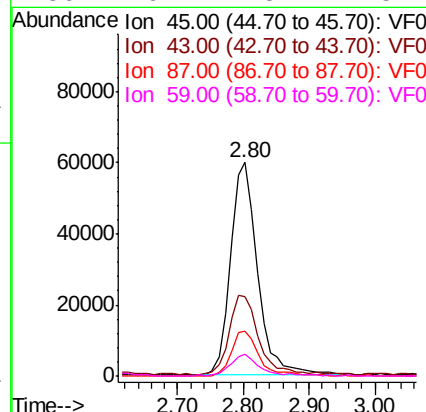
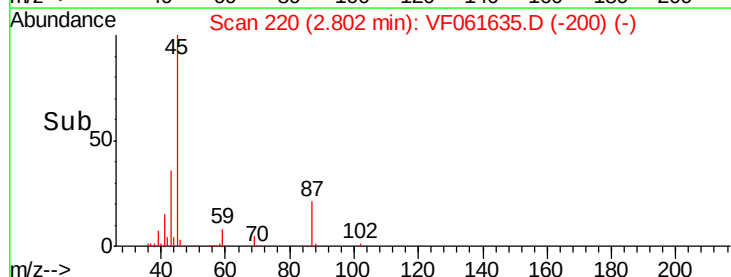
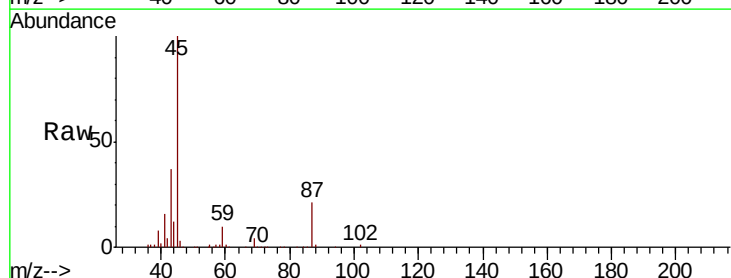
RT: 2.80 min Scan# 220

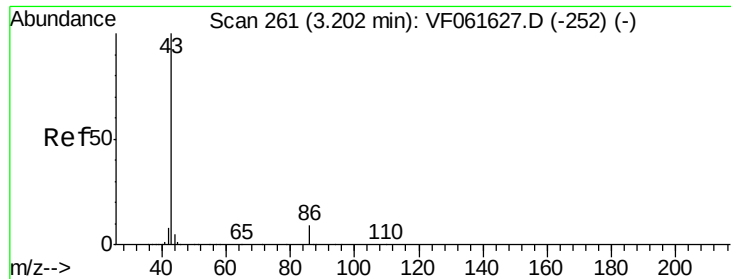
Delta R.T. -0.01 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Tgt Ion:	45	Resp:	173677
Ion	Ratio	Lower	Upper
45	100		
43	37.3	31.4	47.2
87	21.2	16.3	24.5
59	10.4	8.7	13.1





#23

Vinyl Acetate

Concen: 116.523 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0214SBS01

Tgt Ion: 43 Resp: 426061

Ion Ratio Lower Upper

43 100

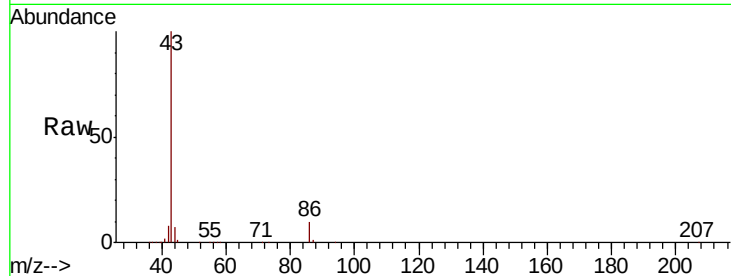
86 10.1 7.5 11.3

Manual Integrations

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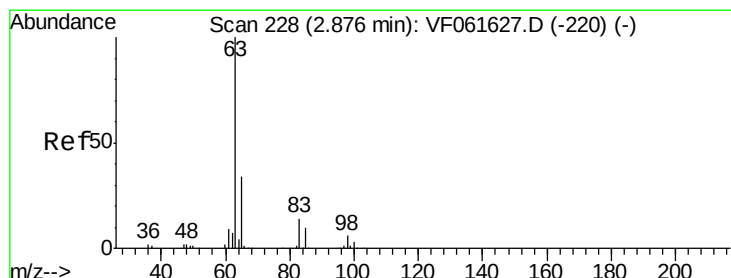
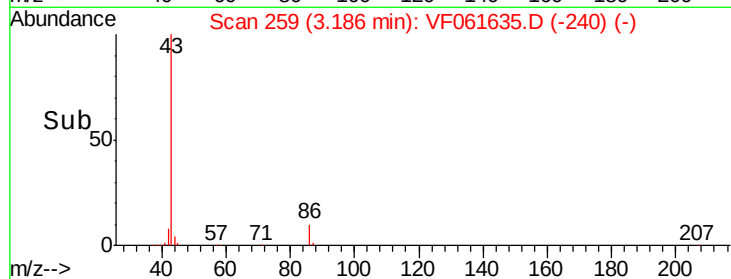
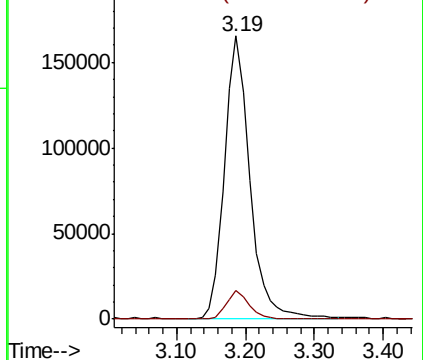
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 22.726 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.01 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

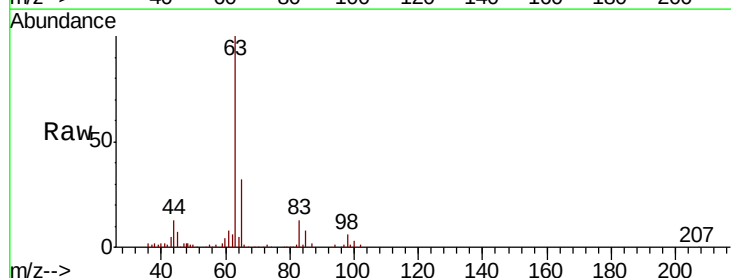
Tgt Ion: 63 Resp: 102957

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.3

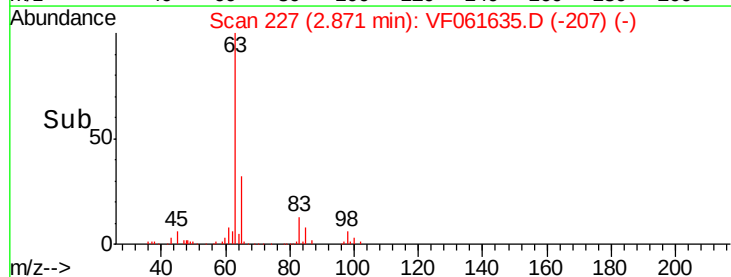
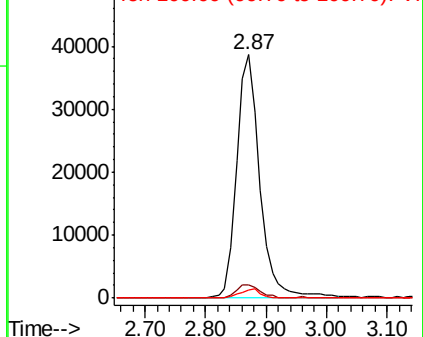
100 3.2 1.8 5.4

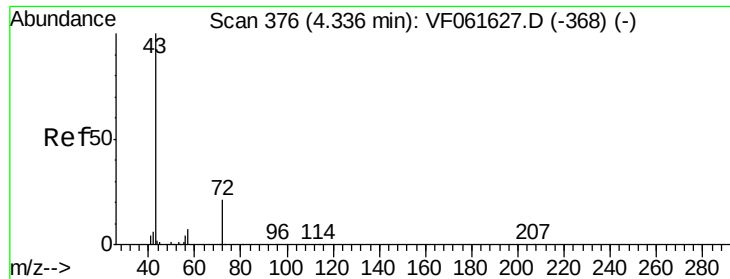


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 113.642 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0214SBS01

Tgt Ion: 43 Resp: 115835

Ion Ratio Lower Upper

43 100

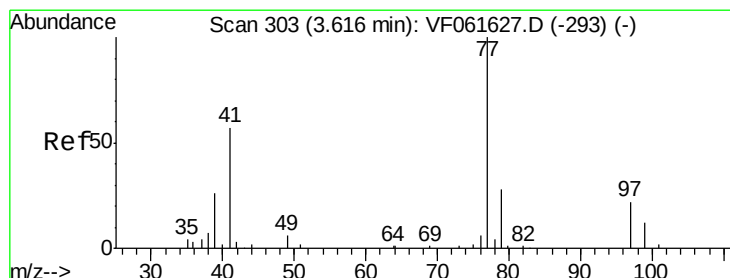
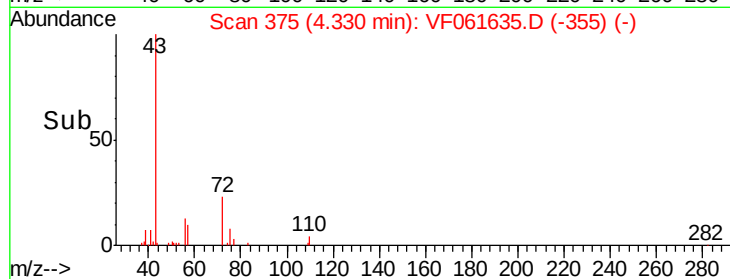
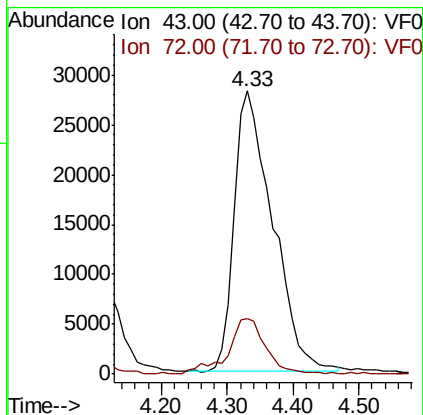
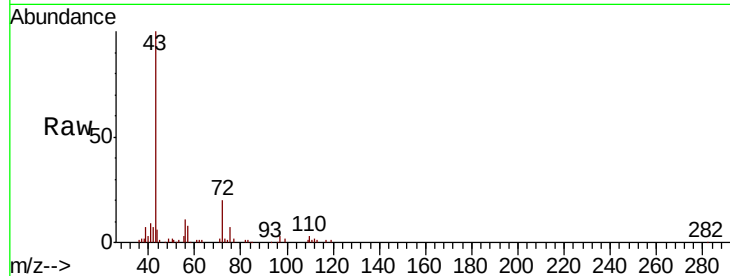
72 19.8 17.1 25.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.968 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF061635.D

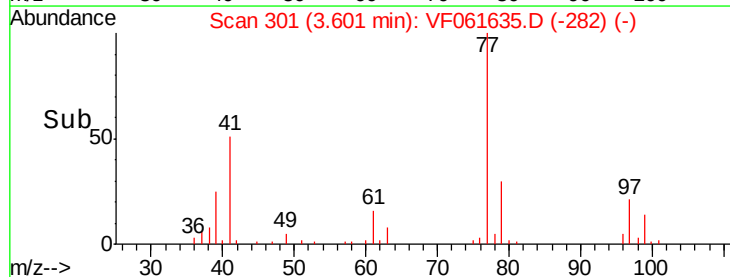
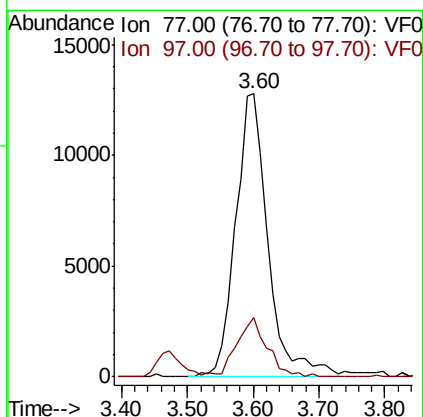
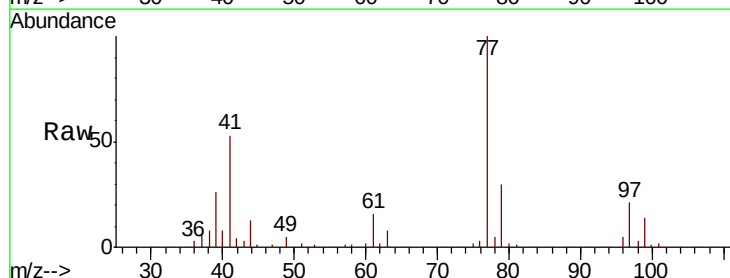
Acq: 14 Feb 2019 12:41

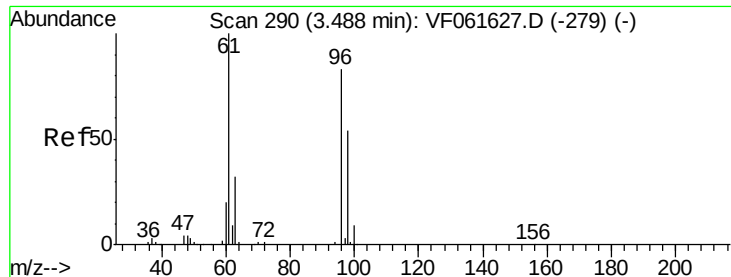
Tgt Ion: 77 Resp: 44075

Ion Ratio Lower Upper

77 100

97 20.8 11.7 35.0





#27

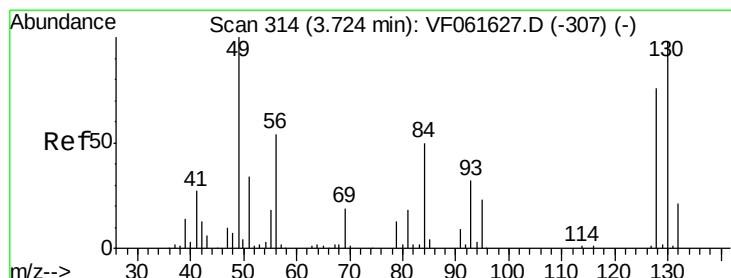
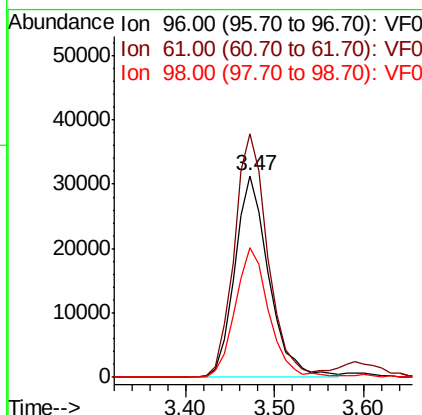
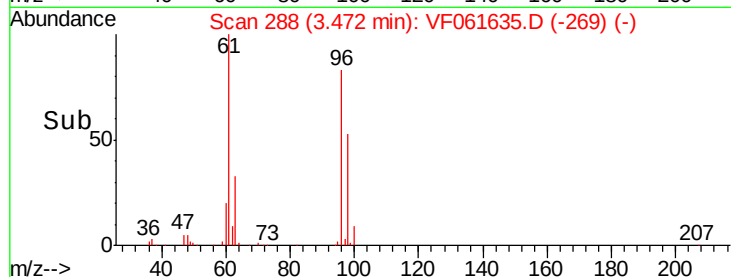
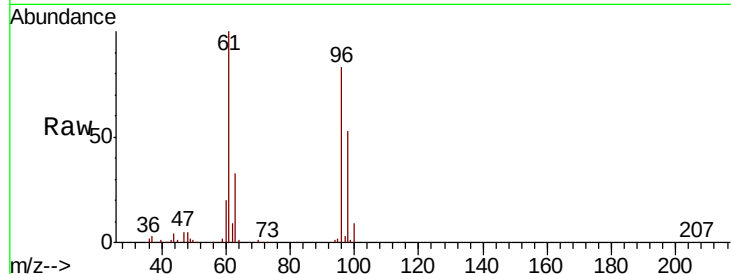
cis-1,2-Dichloroethene
Concen: 22.986 ug/l
RT: 3.47 min Scan# 288
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	120.7	0.0	241.6
98	64.2	0.0	130.2

Manual Integrations
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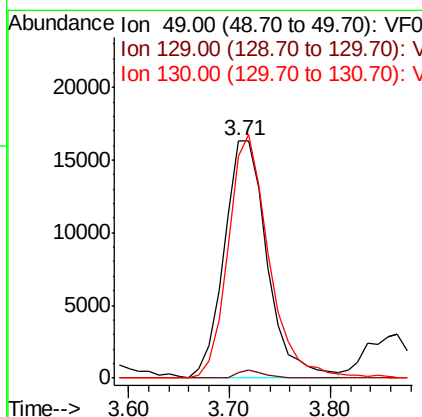
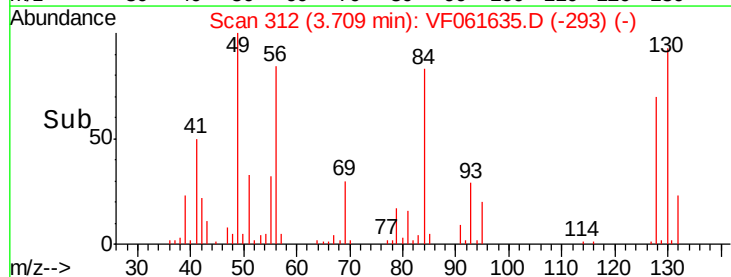
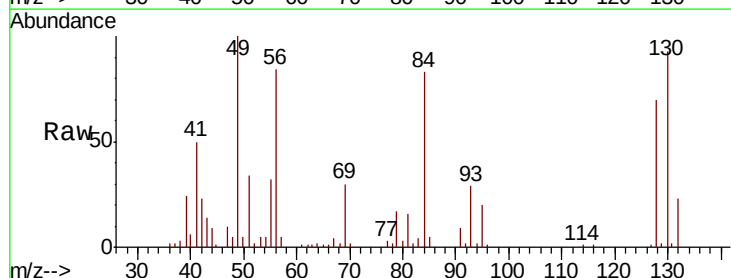
MMDadoda
2/18/2019 12:11:36 AM

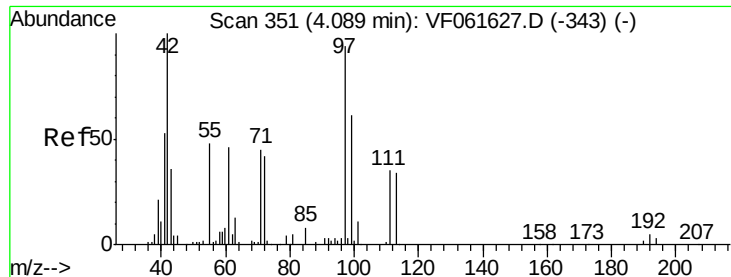


#28

Bromochloromethane
Concen: 22.372 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.4
130	93.0	77.7	116.5





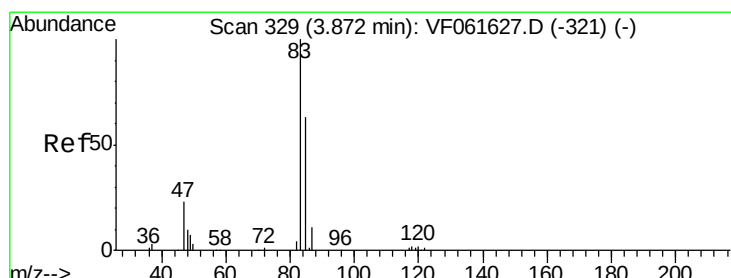
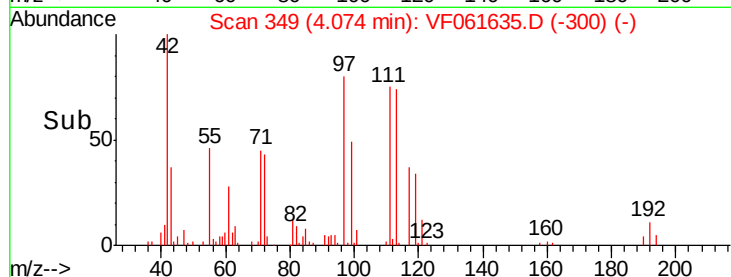
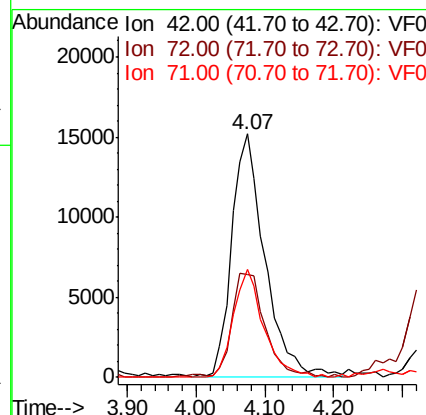
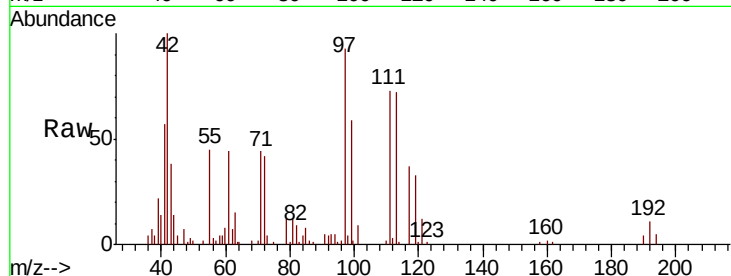
#29
Tetrahydrofuran
Concen: 109.923 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.7	35.2	52.8
71	40.5	32.9	49.3

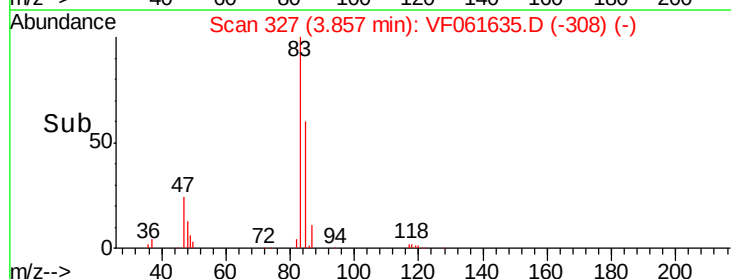
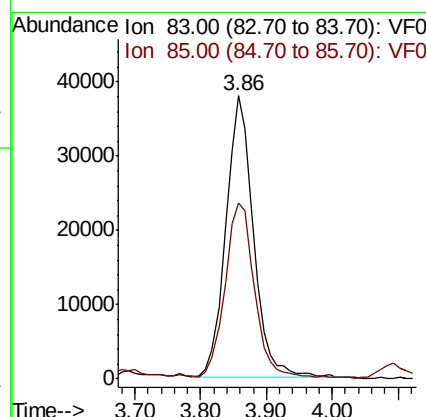
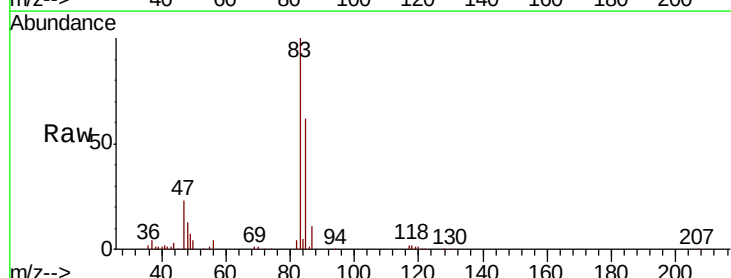
Manual Integrations
APPROVED

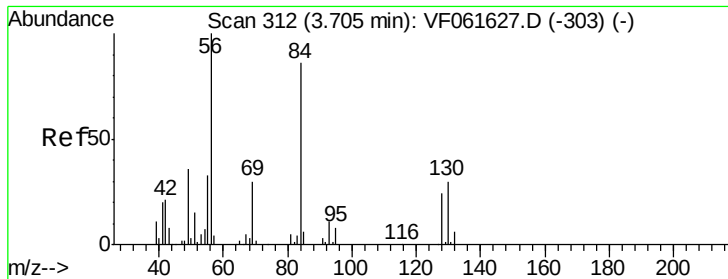
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#30
Chloroform
Concen: 21.501 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.1	76.7





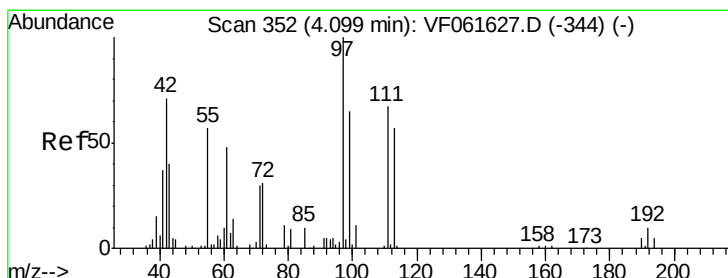
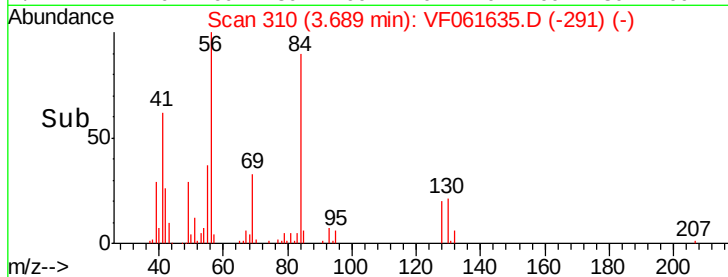
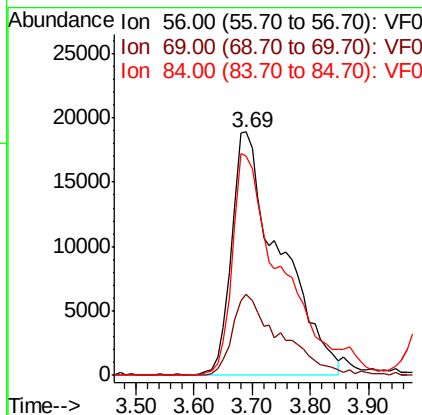
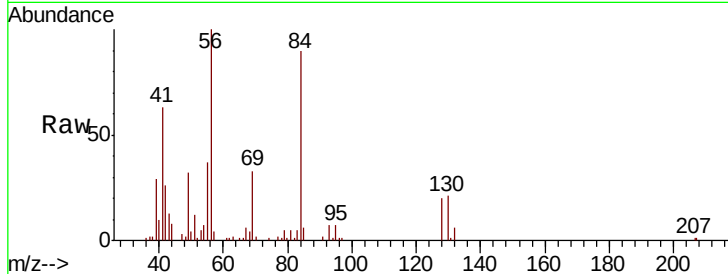
#31
Cyclohexane
Concen: 22.342 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.4	23.8	35.8
84	90.0	68.6	103.0

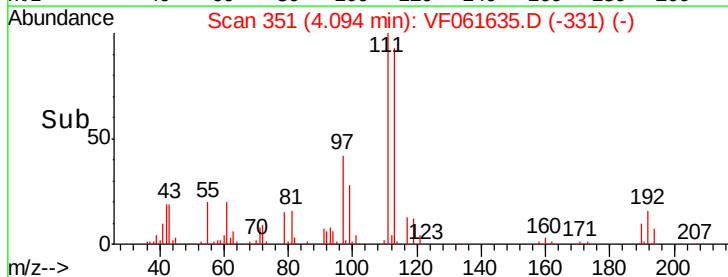
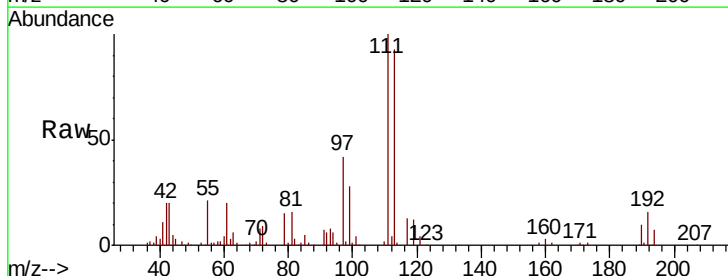
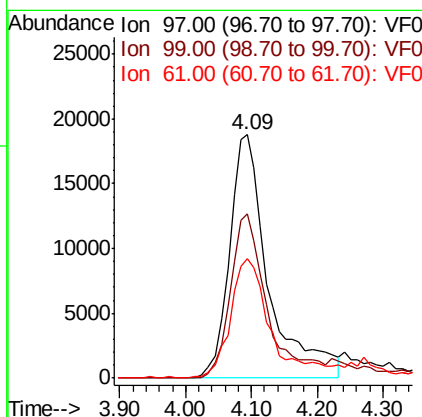
Manual Integrations
APPROVED

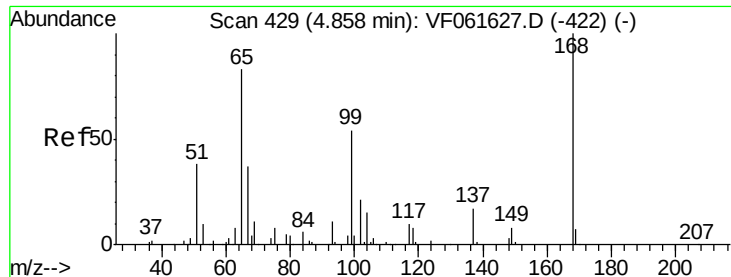
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#32
1,1,1-Trichloroethane
Concen: 23.094 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.01 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.2	52.2	78.2
61	49.0	39.2	58.8





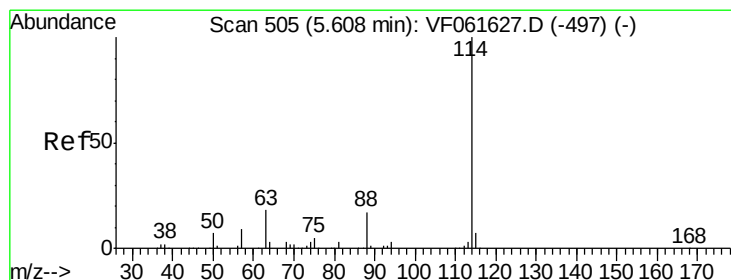
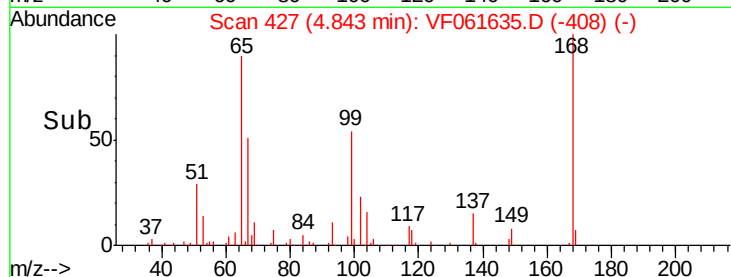
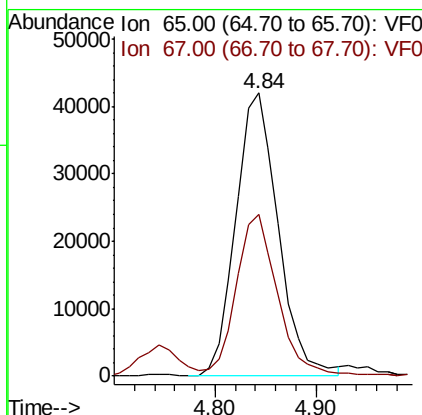
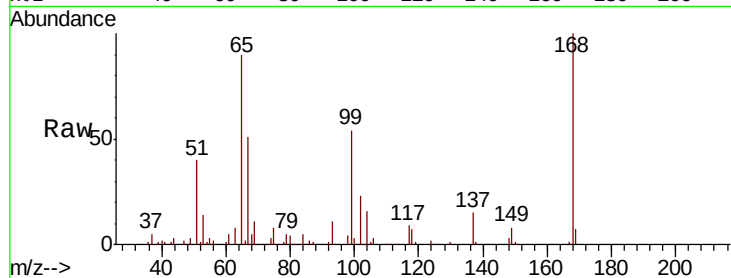
#33
 1,2-Dichloroethane-d4
 Concen: 56.755 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.02 min
 Lab File: VF061635.D
 Acq: 14 Feb 2019 12:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0214SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	123439		
67	57.1	0.0	104.0	

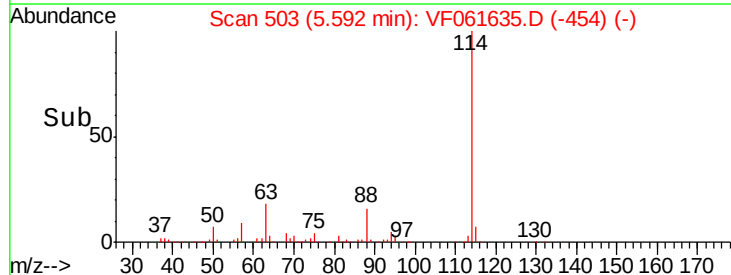
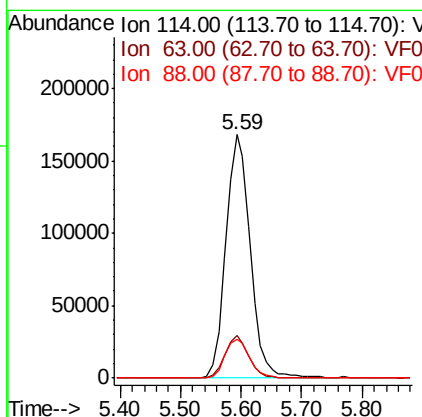
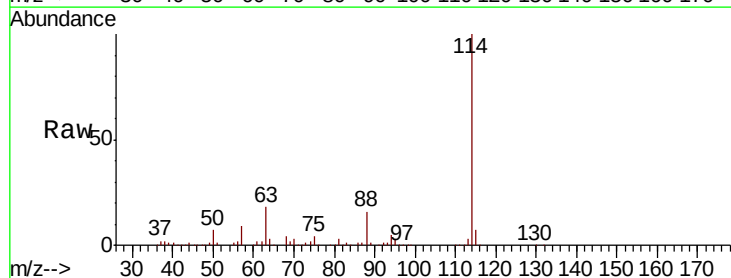
Manual Integrations
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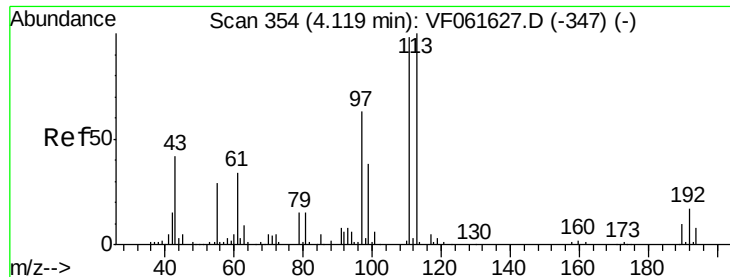
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: VF061635.D
 Acq: 14 Feb 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	470630		
63	17.6	0.0	36.6	
88	15.8	0.0	34.4	





#35

Dibromofluoromethane

Concen: 53.020 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Instrument :

MSVOA_F

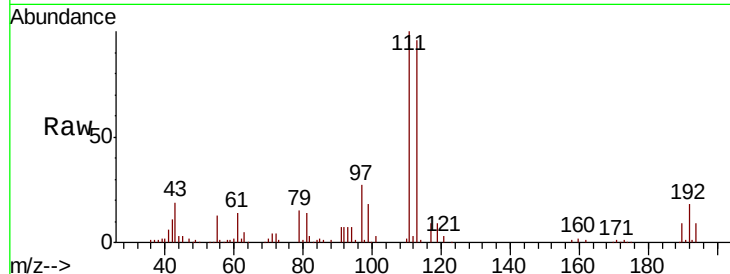
ClientSampleId :

VF0214SBSD01

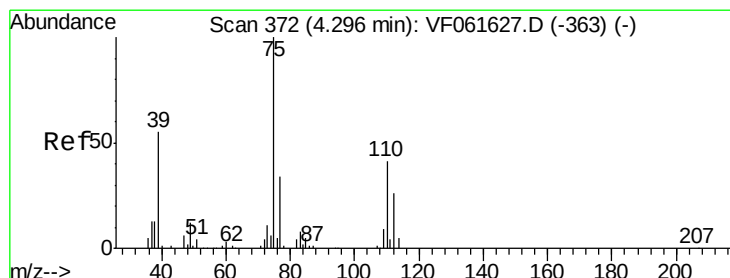
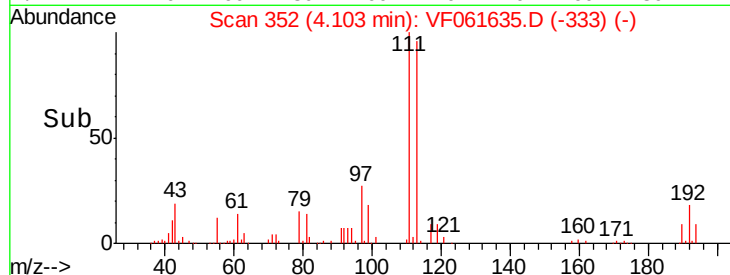
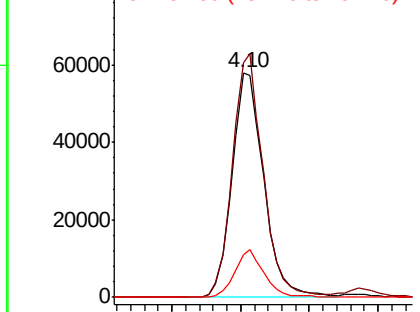
Tgt Ion:	113	Resp:	185302
Ion Ratio	Lower	Upper	
113	100		
111	104.3	78.8	118.2
192	19.2	13.4	20.0

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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



#36

1,1-Dichloropropene

Concen: 20.555 ug/l

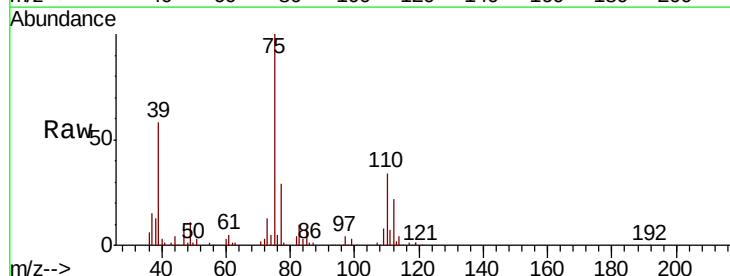
RT: 4.27 min Scan# 369

Delta R.T. -0.03 min

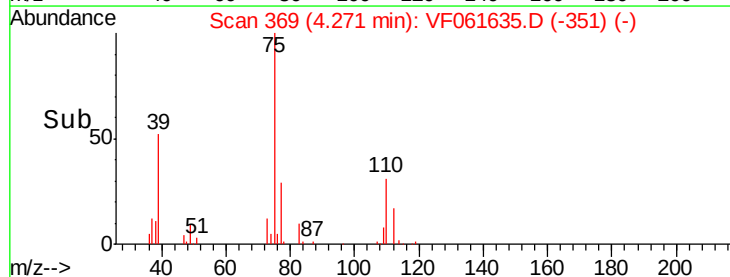
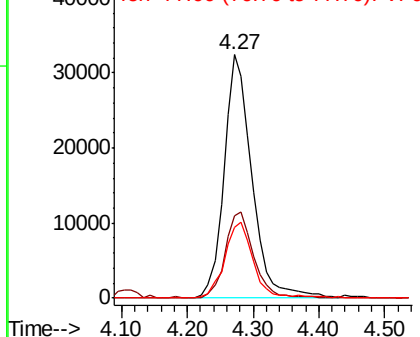
Lab File: VF061635.D

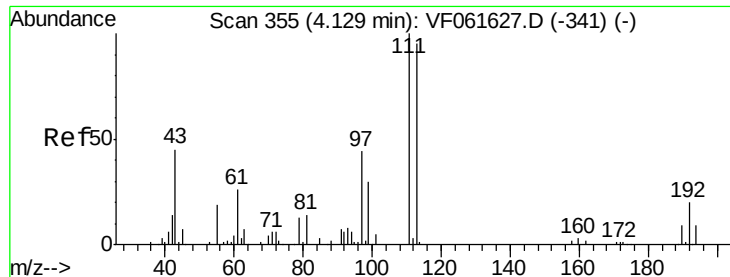
Acq: 14 Feb 2019 12:41

Tgt Ion:	75	Resp:	95831
Ion Ratio	Lower	Upper	
75	100		
110	33.8	20.5	61.6
77	29.3	27.0	40.4



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: 20.732 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.03 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Instrument :

MSVOA_F

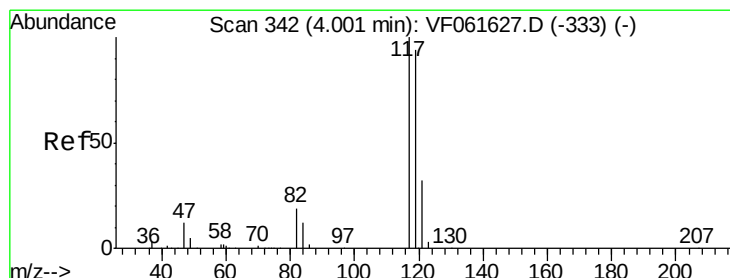
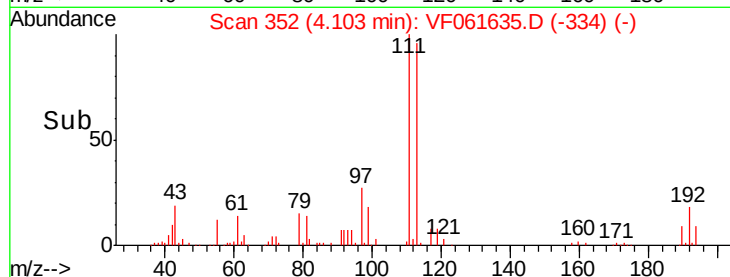
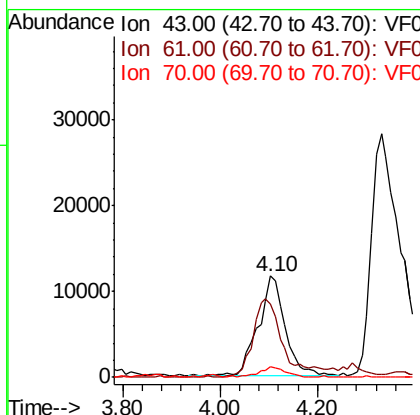
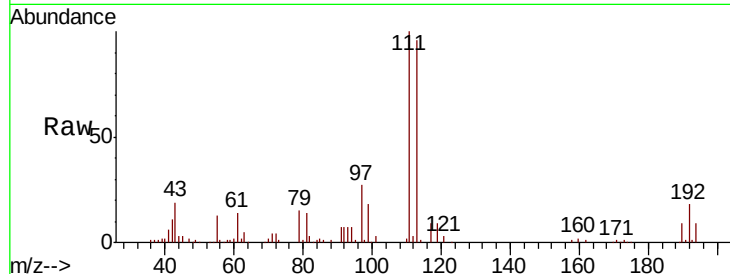
ClientSampleId :

VF0214SBSD01

Tgt Ion:	43	Resp:	44894
Ion	Ratio	Lower	Upper
43	100		
61	72.5	45.7	68.5#
70	10.7	8.5	12.7

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 21.714 ug/l

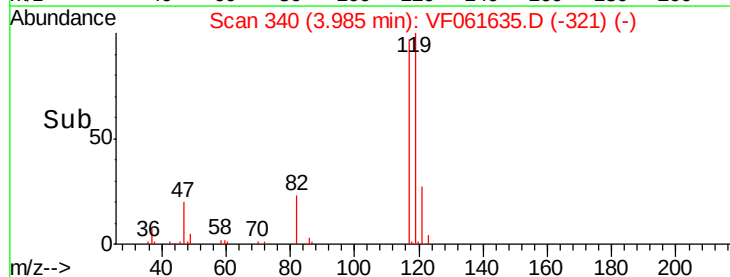
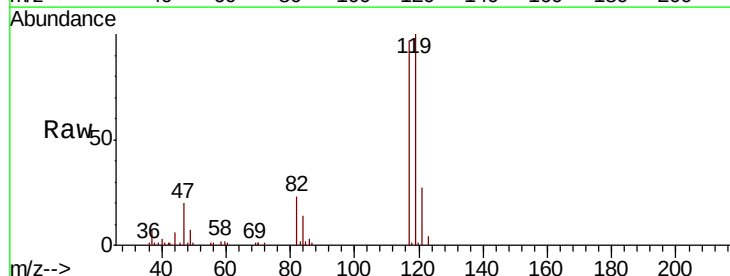
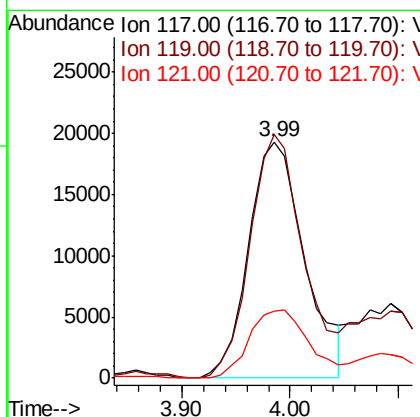
RT: 3.99 min Scan# 340

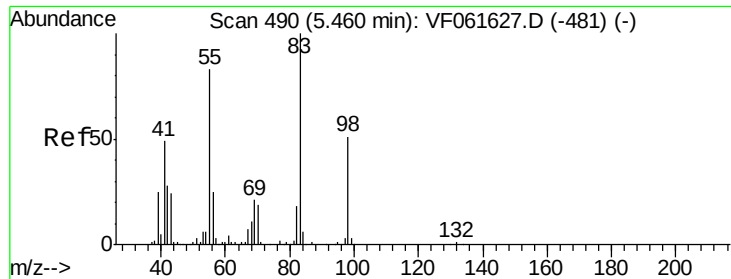
Delta R.T. -0.02 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Tgt Ion:	117	Resp:	69904
Ion	Ratio	Lower	Upper
117	100		
119	103.0	75.6	113.4
121	28.3	25.2	37.8





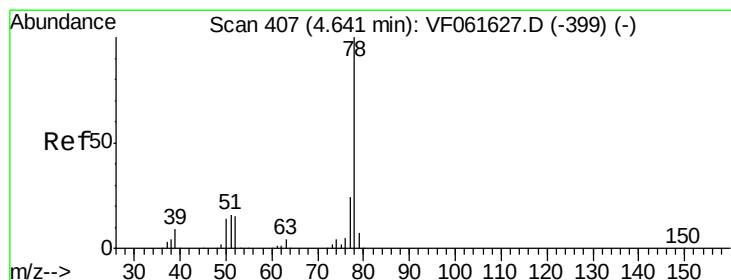
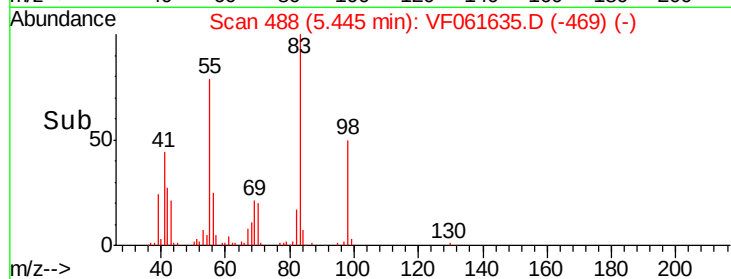
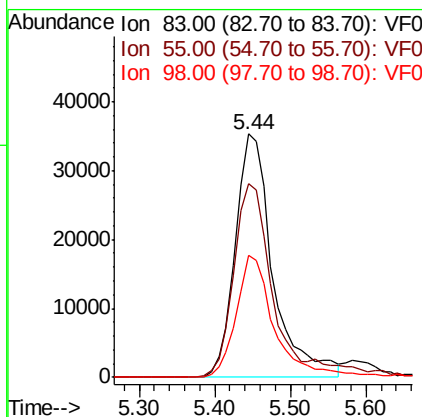
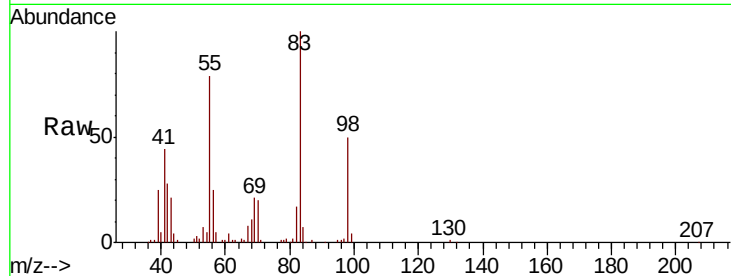
#39
Methylcyclohexane
Concen: 22.168 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	122231		
55	79.5	66.6	99.8	
98	50.1	40.4	60.6	

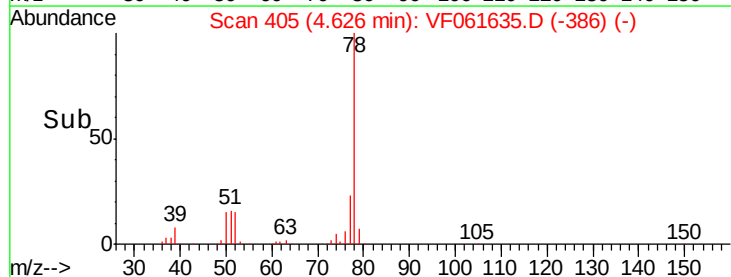
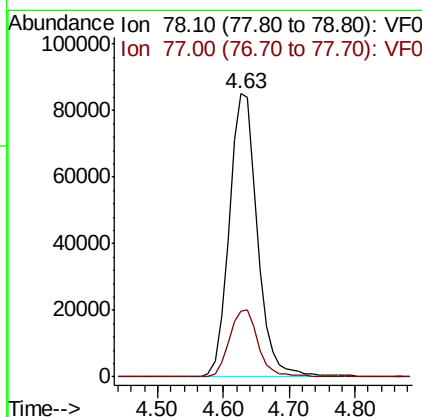
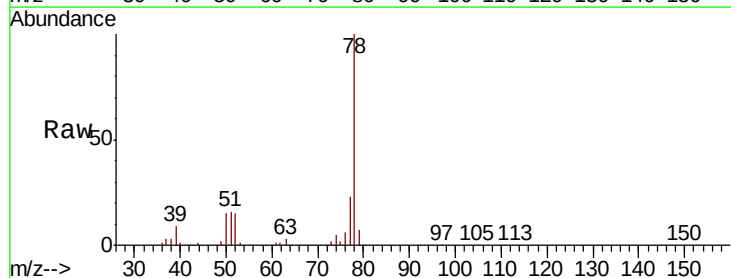
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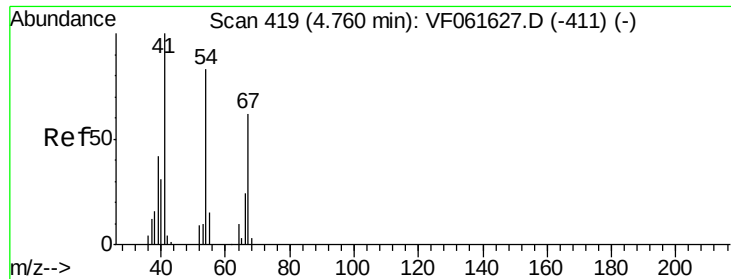
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#40
Benzene
Concen: 20.977 ug/l
RT: 4.63 min Scan# 405
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	255806		
77	23.3	19.0	28.6	





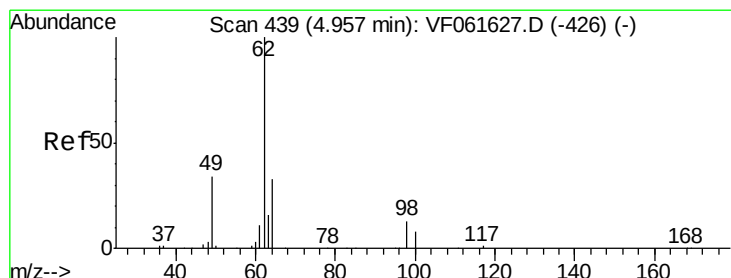
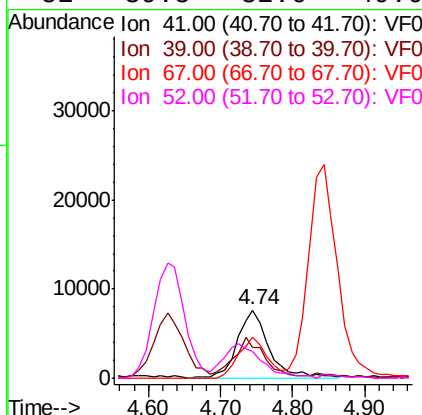
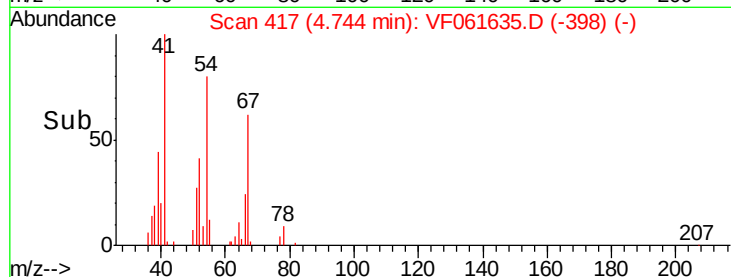
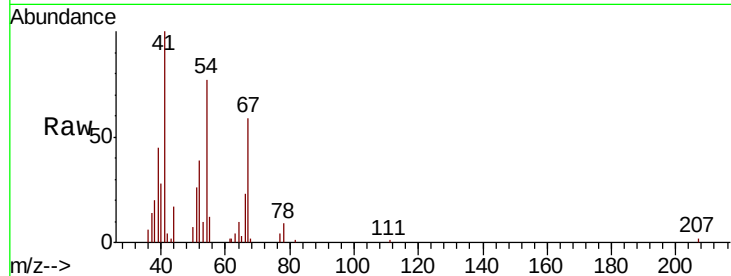
#41
Methacrylonitrile
Concen: 21.450 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	45.0	45.3	67.9#
67	59.5	49.3	73.9
52	39.5	32.6	49.0

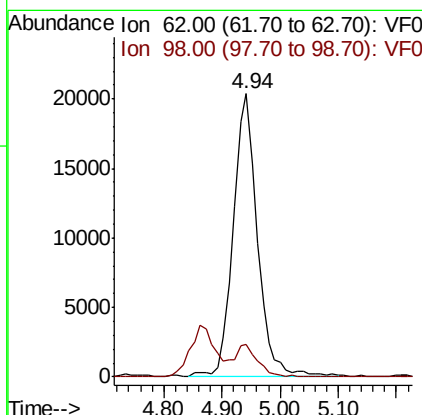
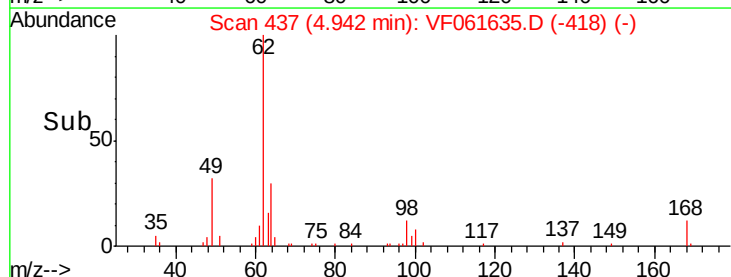
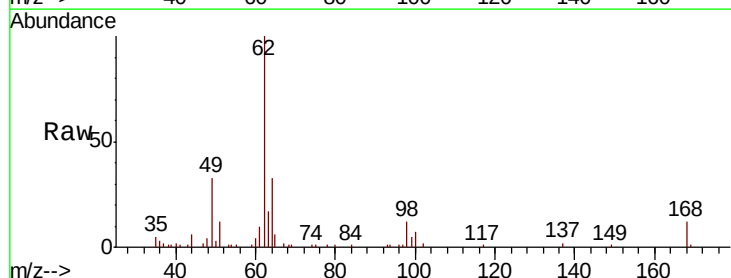
Manual Integrations
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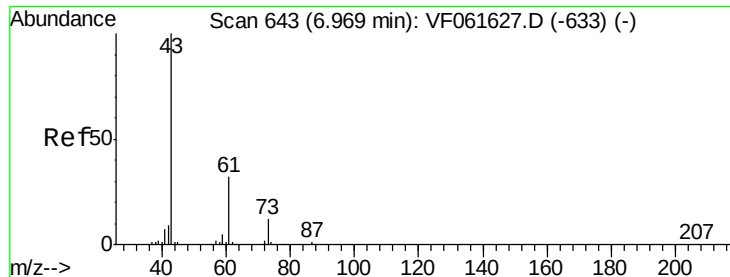
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.292 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.7	0.0	26.0





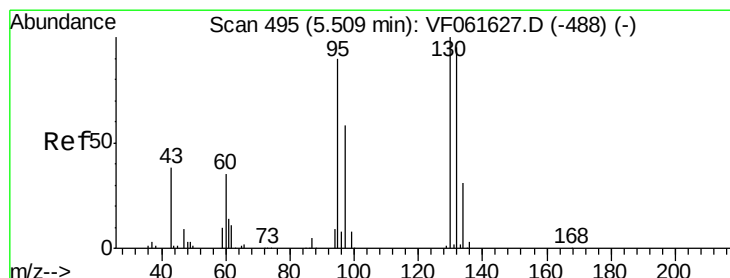
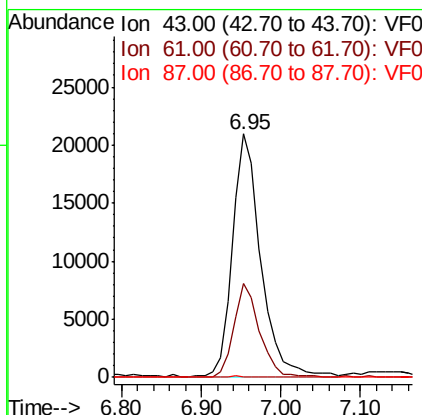
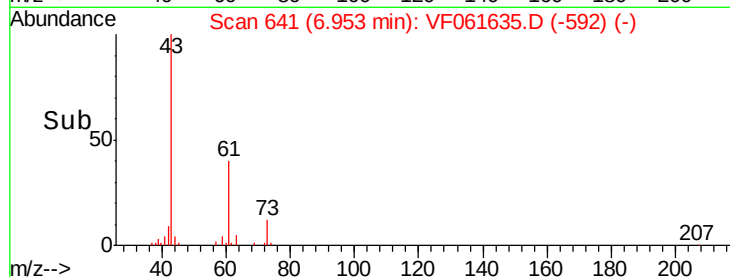
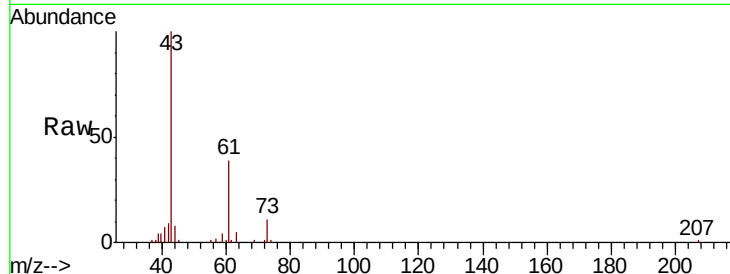
#43
Isopropyl Acetate
Concen: 20.414 ug/l
RT: 6.95 min Scan# 641
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	38.6	25.8	38.6
87	0.0	0.4	0.6

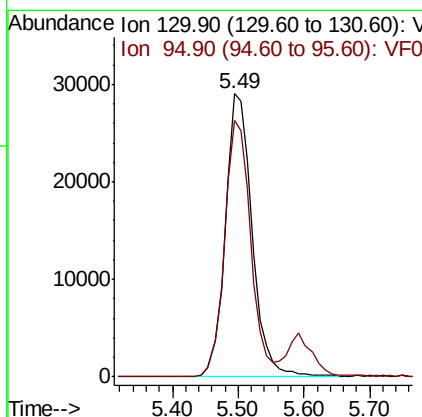
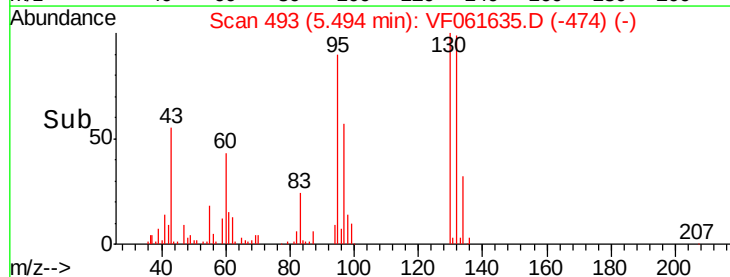
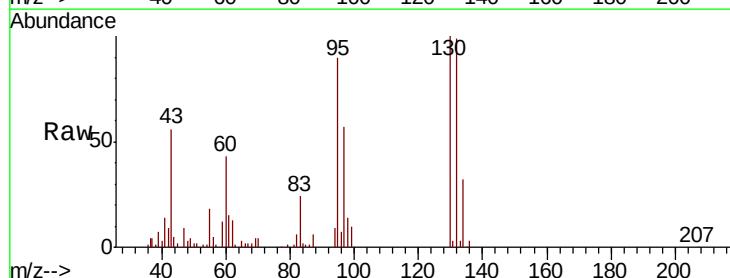
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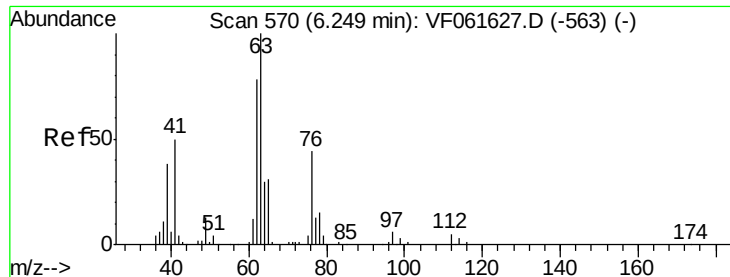
MMDadoda
2/18/2019 12:11:36 AM



#44
Trichloroethene
Concen: 21.070 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	179.4





#45

1,2-Dichloropropane

Concen: 21.561 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.02 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0214SBS01

Tgt Ion: 63 Resp: 63555

Ion Ratio Lower Upper

63 100

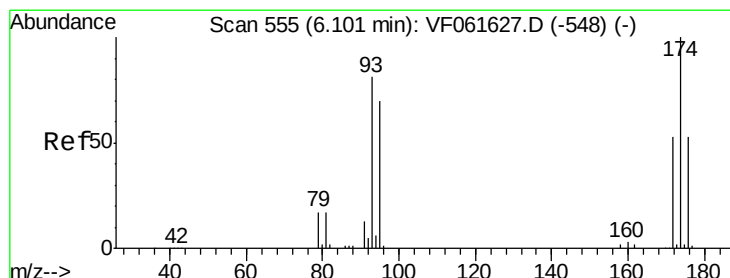
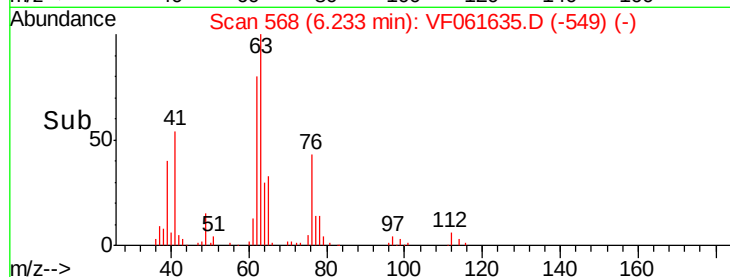
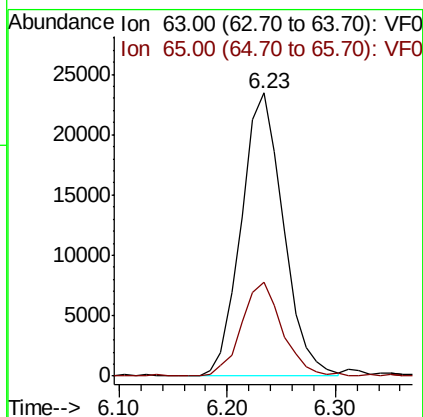
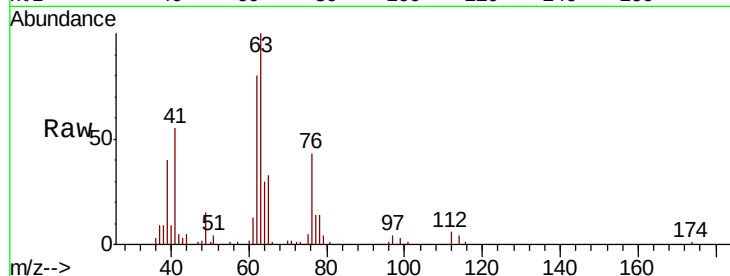
65 33.1 24.9 37.3

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#46

Dibromomethane

Concen: 20.396 ug/l

RT: 6.09 min Scan# 553

Delta R.T. -0.02 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

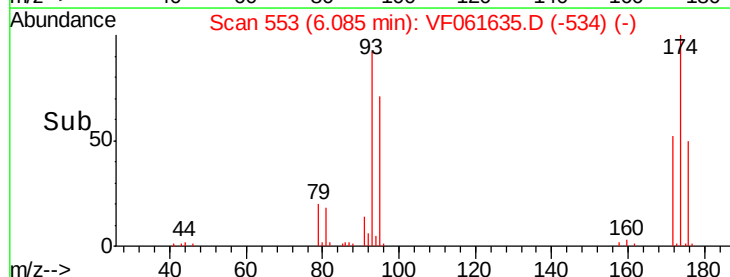
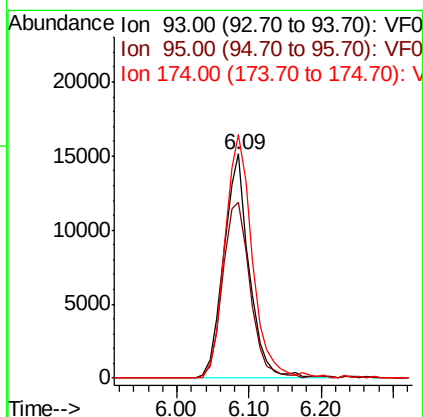
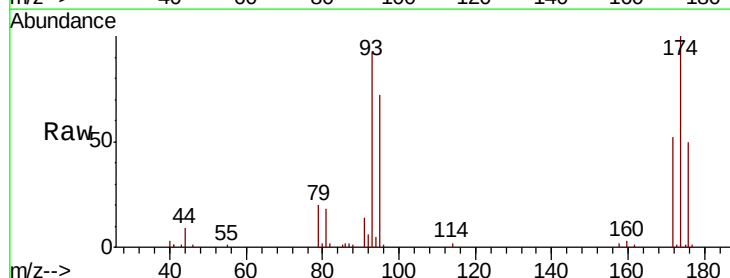
Tgt Ion: 93 Resp: 37017

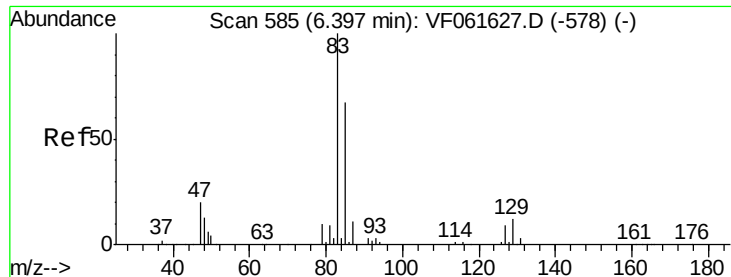
Ion Ratio Lower Upper

93 100

95 78.4 69.0 103.6

174 108.5 99.3 148.9





#47

Bromodichloromethane

Concen: 20.555 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.02 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Instrument :

MSVOA_F

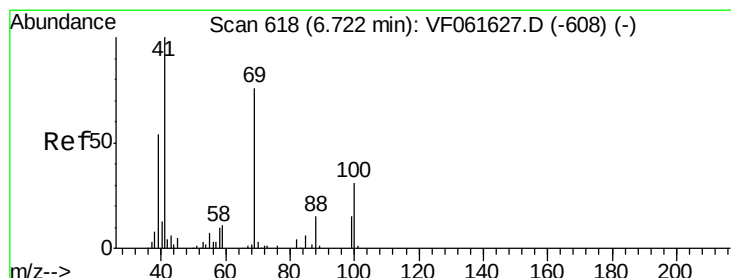
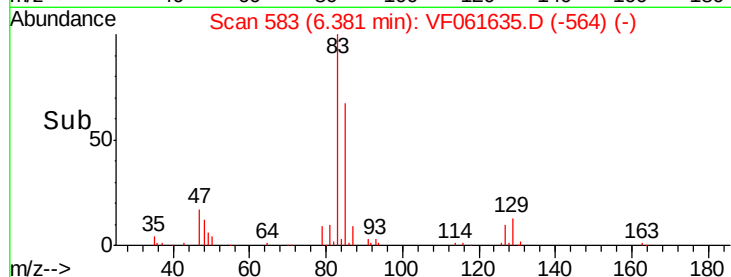
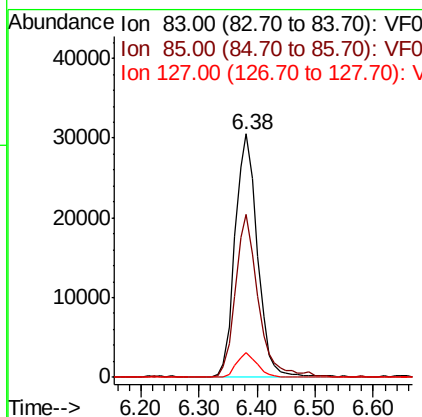
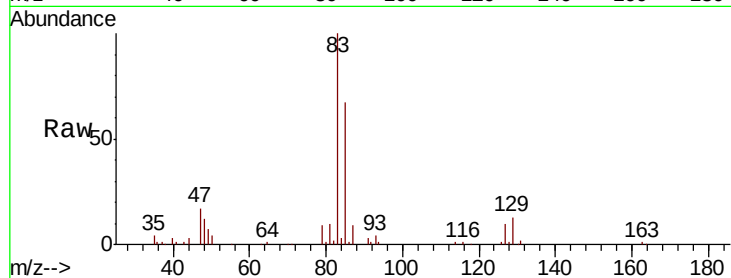
ClientSampleId :

VF0214SBS01

Tgt Ion:	83	Resp:	81692
Ion	Ratio	Lower	Upper
83	100		
85	67.1	53.4	80.2
127	10.1	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.955 ug/l

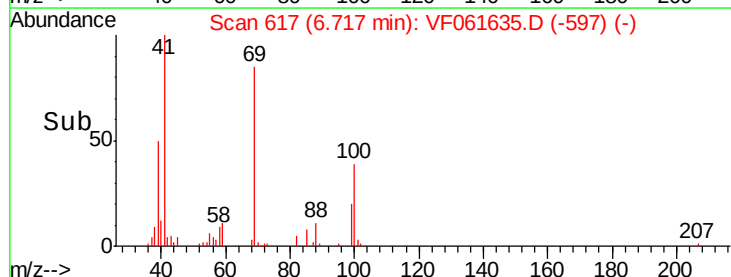
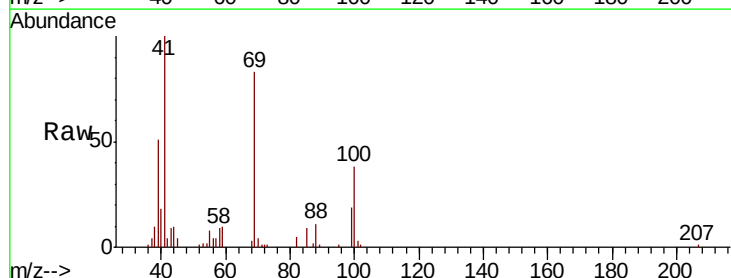
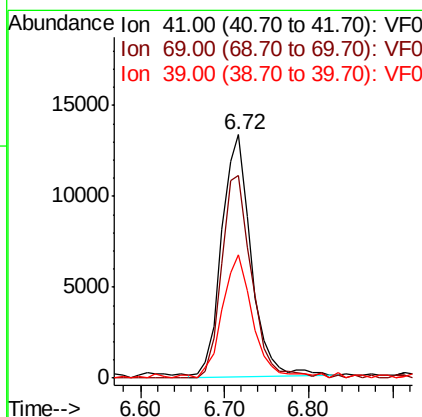
RT: 6.72 min Scan# 617

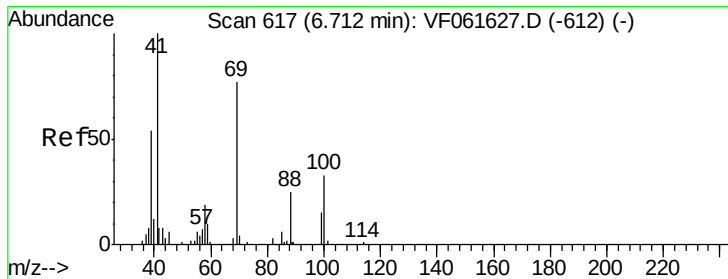
Delta R.T. -0.01 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Tgt Ion:	41	Resp:	32324
Ion	Ratio	Lower	Upper
41	100		
69	83.2	60.4	90.6
39	50.7	43.7	65.5





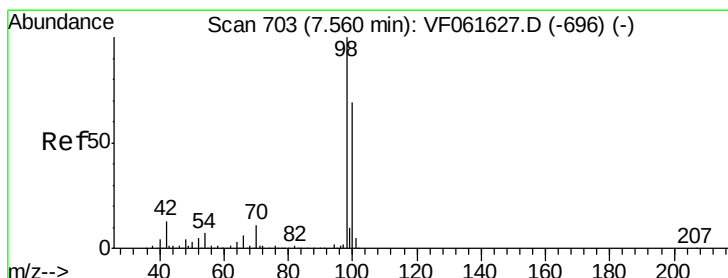
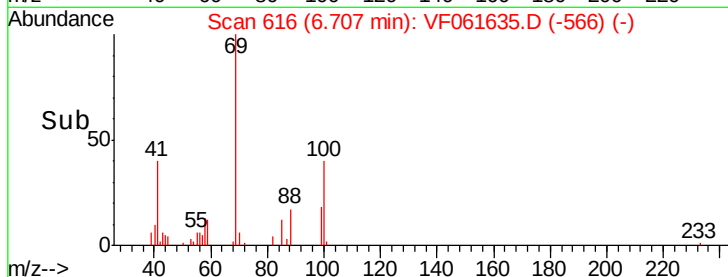
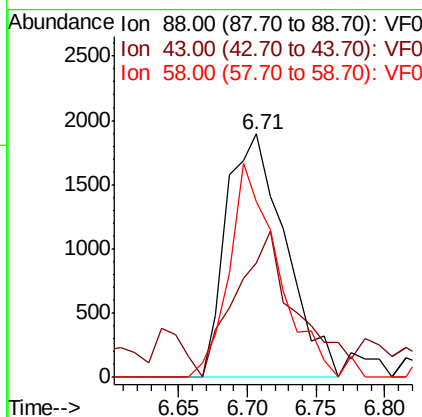
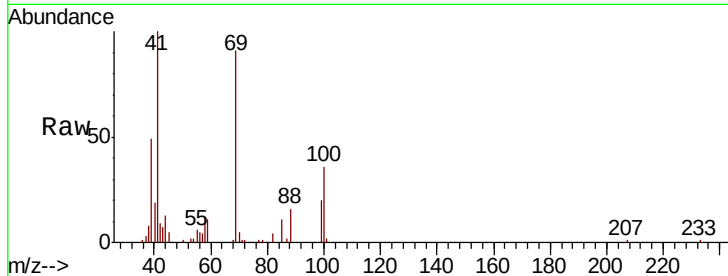
#49
 1,4-Dioxane
 Concen: 388.469 ug/l
 RT: 6.71 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: VF061635.D
 Acq: 14 Feb 2019 12:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0214SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	5633		
43	46.8		32.3	48.5
58	72.5		59.4	89.2

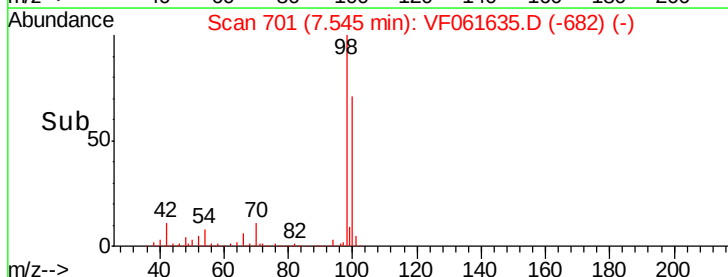
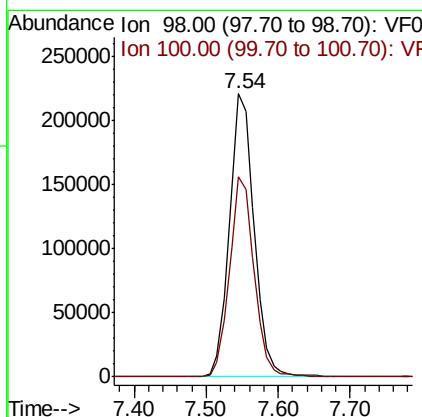
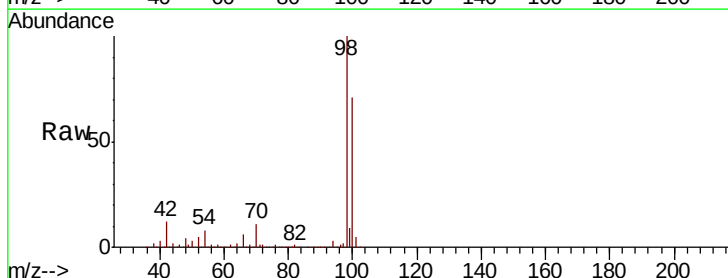
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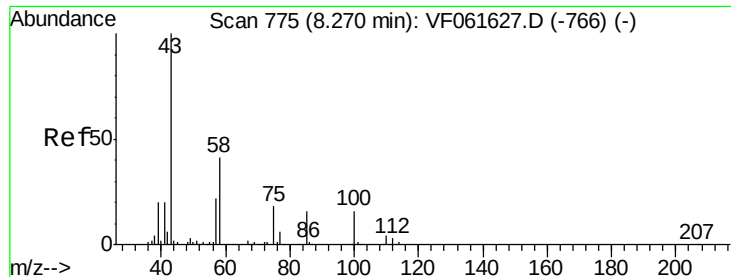
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#50
 Toluene-d8
 Concen: 52.722 ug/l
 RT: 7.54 min Scan# 701
 Delta R.T. -0.02 min
 Lab File: VF061635.D
 Acq: 14 Feb 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	529699		
100	70.6		55.4	83.2





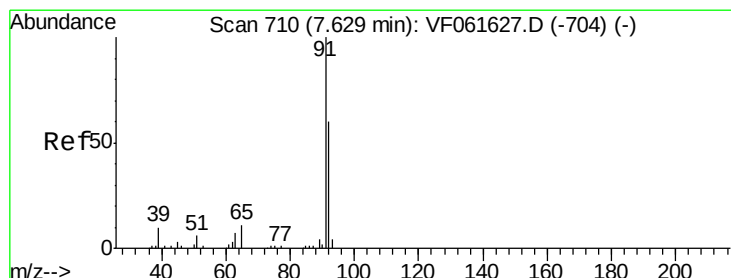
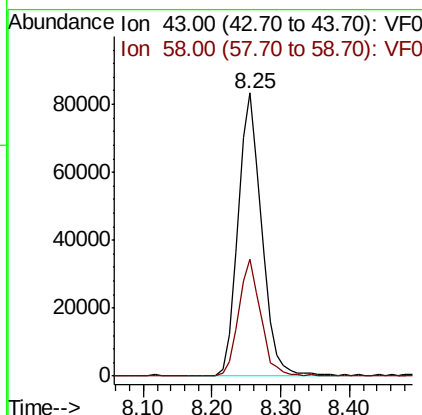
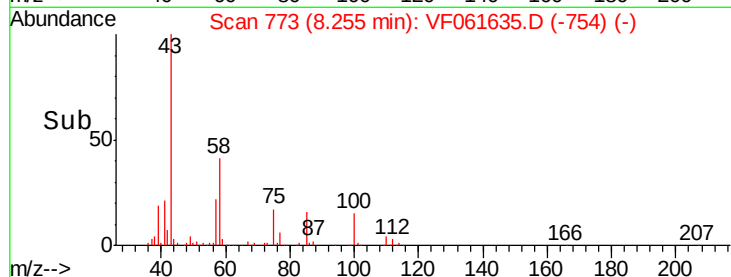
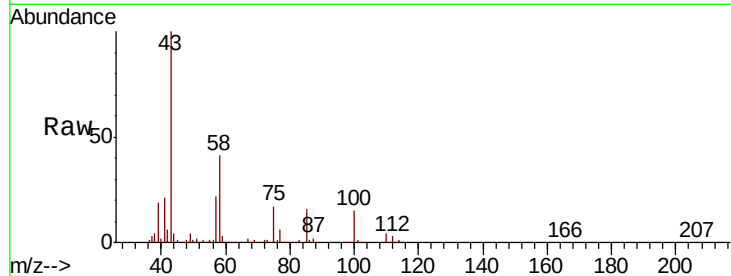
#51
4-Methyl-2-Pentanone
Concen: 107.548 ug/l
RT: 8.25 min Scan# 773
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBS01

Tgt Ion: 43 Resp: 196975
Ion Ratio Lower Upper
43 100
58 41.3 33.1 49.7

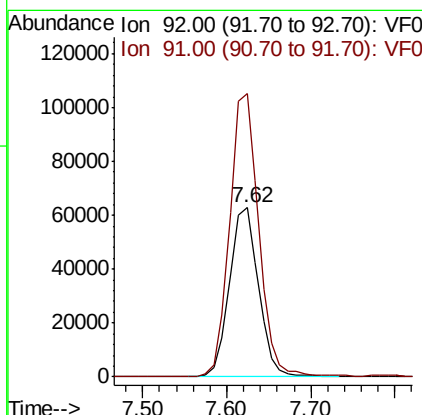
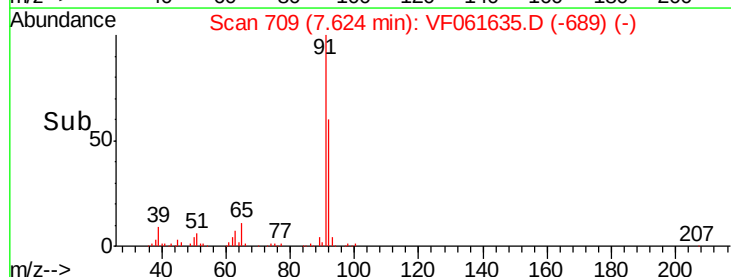
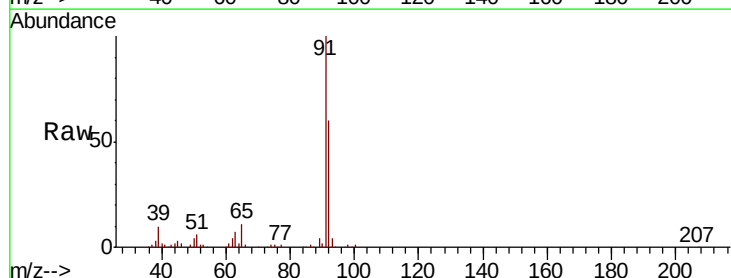
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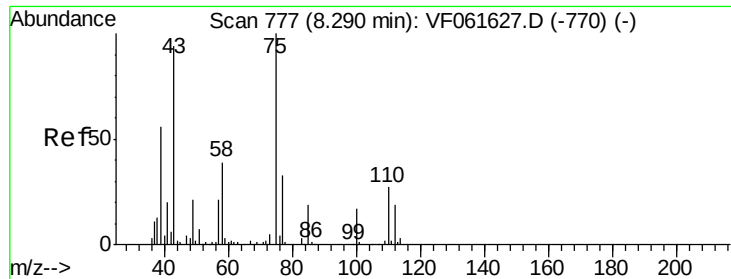
MMDadoda
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#52
Toluene
Concen: 20.500 ug/l
RT: 7.62 min Scan# 709
Delta R.T. -0.01 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion: 92 Resp: 151618
Ion Ratio Lower Upper
92 100
91 167.6 133.9 200.9





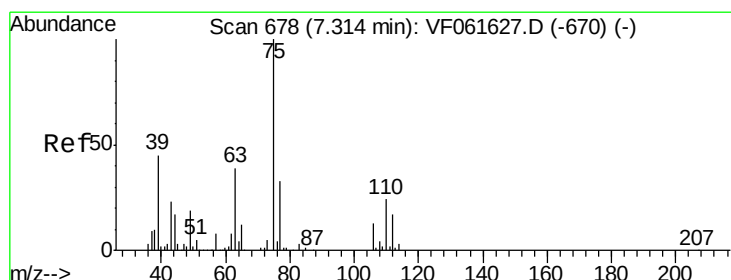
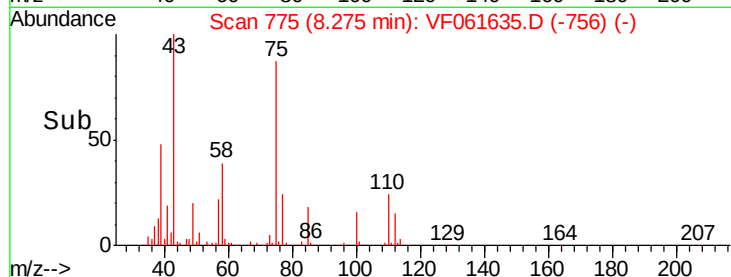
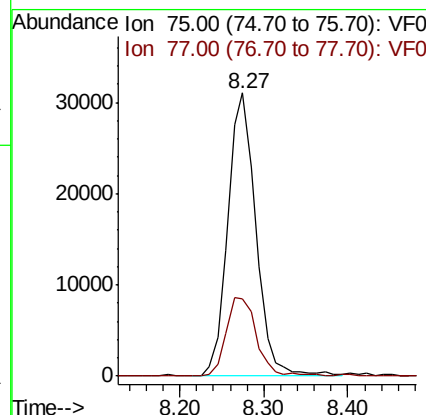
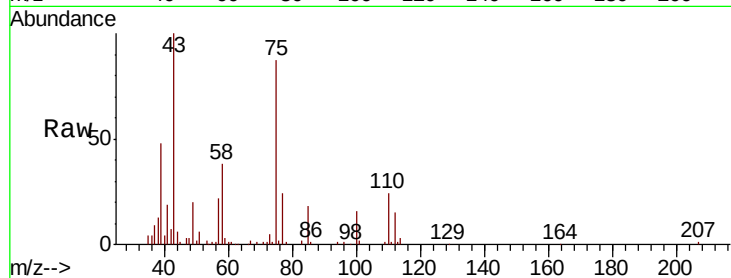
#53
t-1,3-Dichloropropene
Concen: 21.807 ug/l
RT: 8.27 min Scan# 775
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBSD01

Tgt Ion: 75 Resp: 72131
Ion Ratio Lower Upper
75 100
77 27.2 26.2 39.2

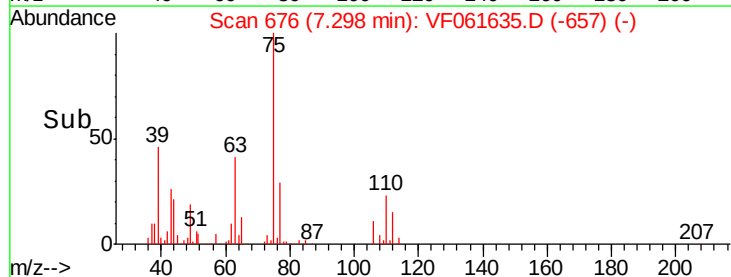
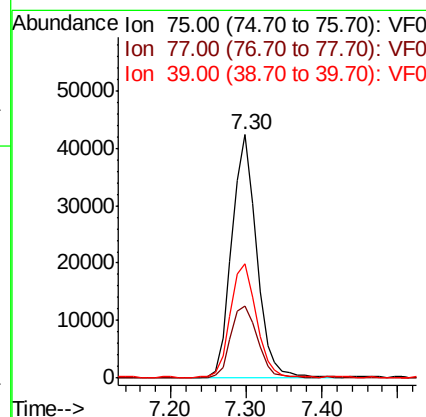
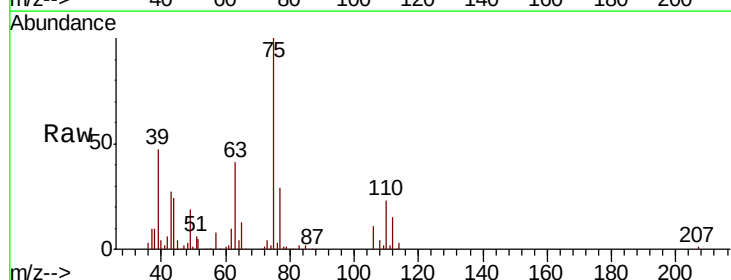
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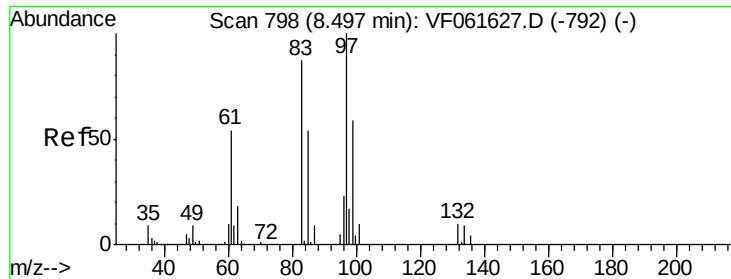
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 21.997 ug/l
RT: 7.30 min Scan# 676
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion: 75 Resp: 96917
Ion Ratio Lower Upper
75 100
77 29.5 26.4 39.6
39 46.8 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 21.106 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.02 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Instrument :

MSVOA_F

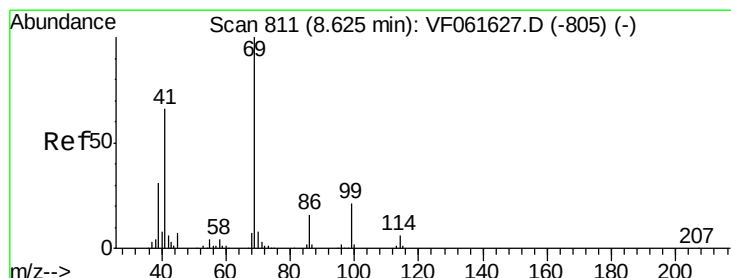
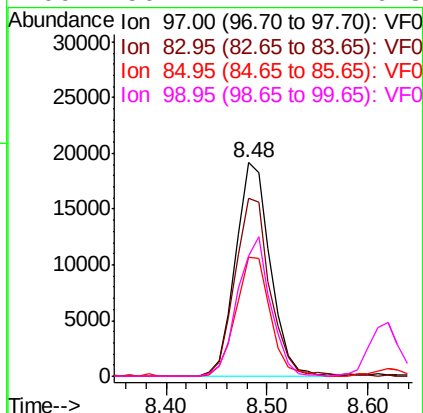
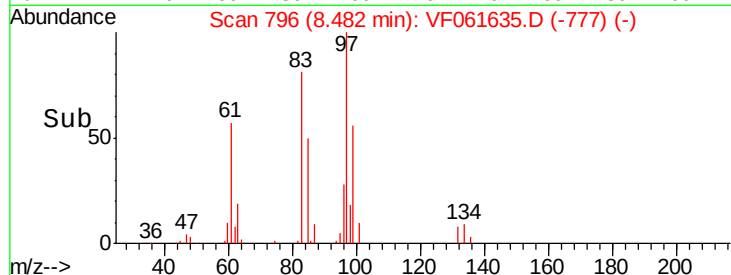
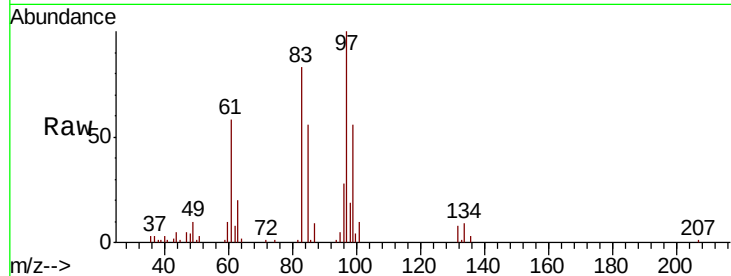
ClientSampleId :

VF0214SBSD01

Tgt Ion:	97	Resp:	45862
Ion	Ratio	Lower	Upper
97	100		
83	83.5	69.2	103.8
85	55.8	43.0	64.4
99	56.1	47.2	70.8

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#56

Ethyl methacrylate

Concen: 21.792 ug/l

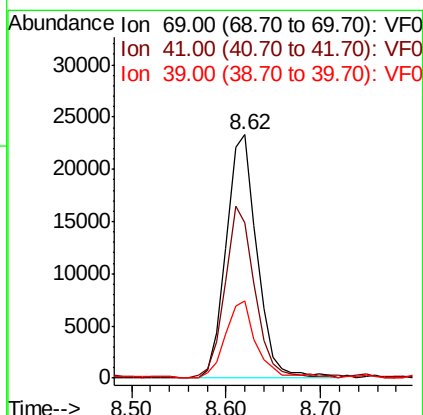
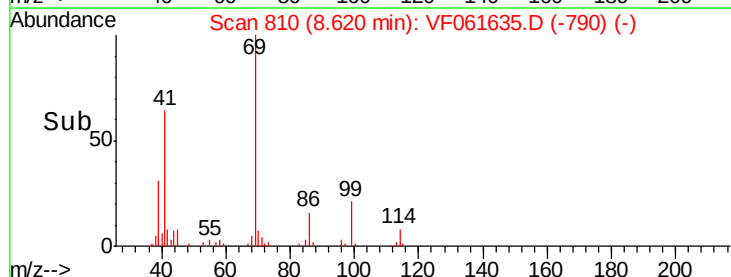
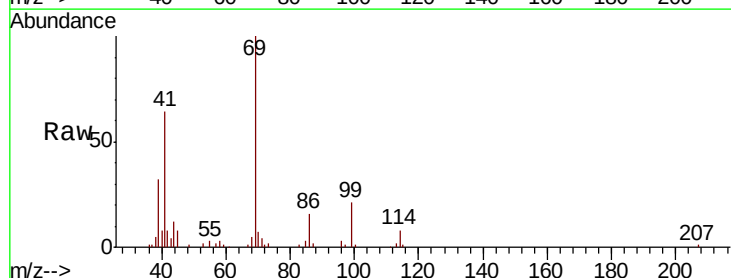
RT: 8.62 min Scan# 810

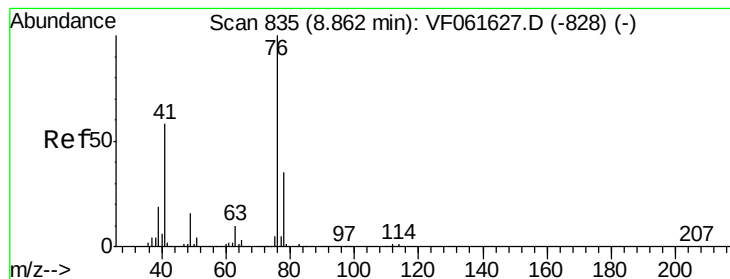
Delta R.T. -0.01 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Tgt Ion:	69	Resp:	52722
Ion	Ratio	Lower	Upper
69	100		
41	63.7	52.9	79.3
39	31.9	24.5	36.7





#57

1,3-Dichloropropane

Concen: 20.584 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.02 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0214SBSD01

Tgt Ion: 76 Resp: 74656

Ion Ratio Lower Upper

76 100

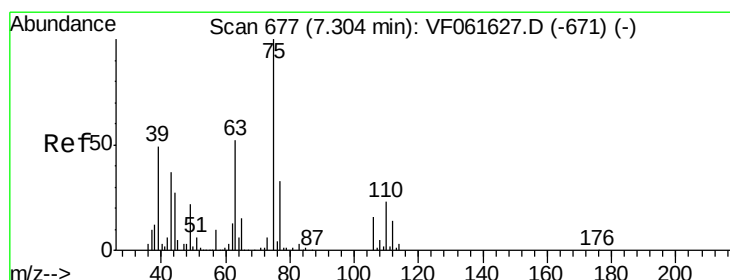
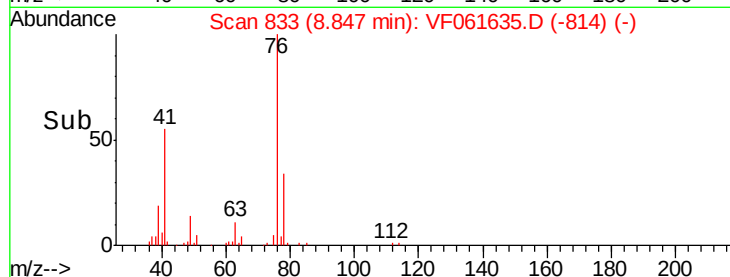
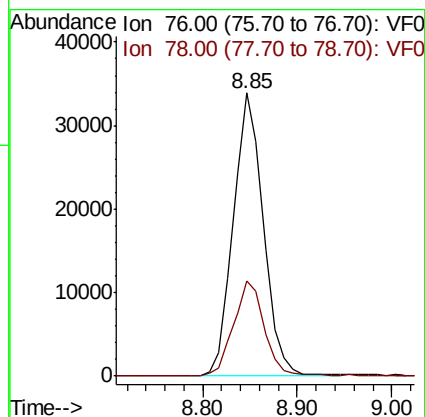
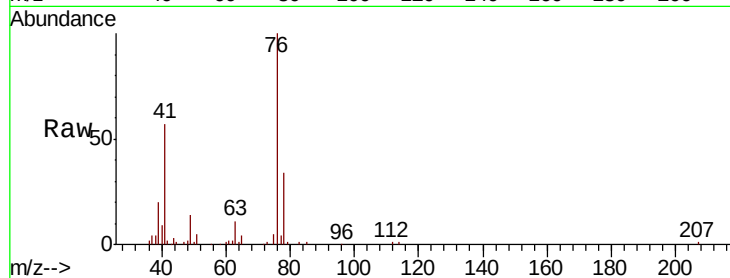
78 33.5 27.8 41.6

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#58

2-Chloroethyl Vinyl ether

Concen: 107.653 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.02 min

Lab File: VF061635.D

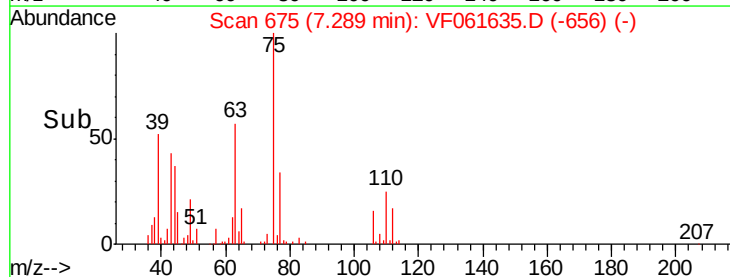
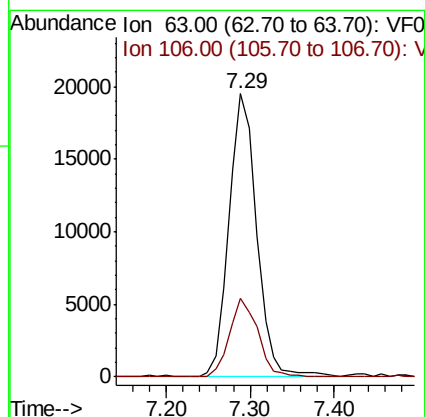
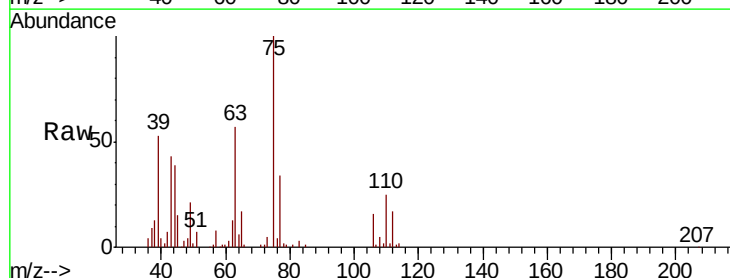
Acq: 14 Feb 2019 12:41

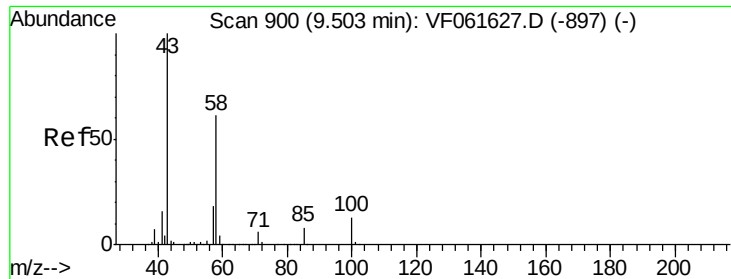
Tgt Ion: 63 Resp: 44936

Ion Ratio Lower Upper

63 100

106 27.8 24.6 36.8





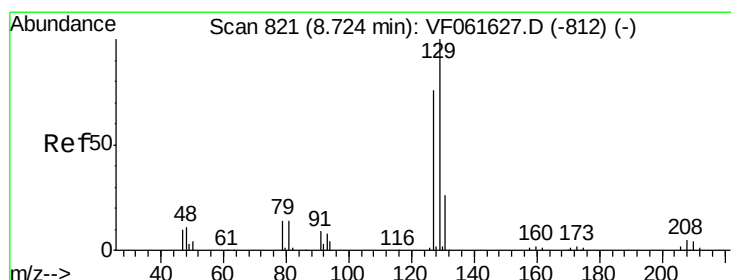
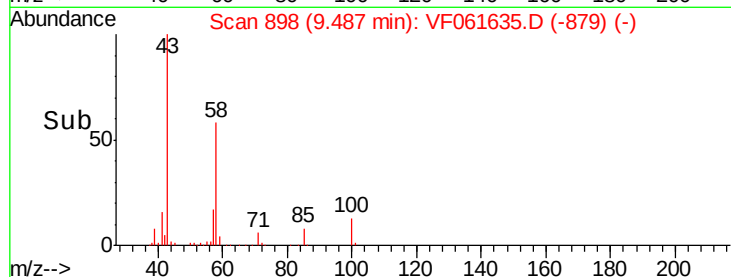
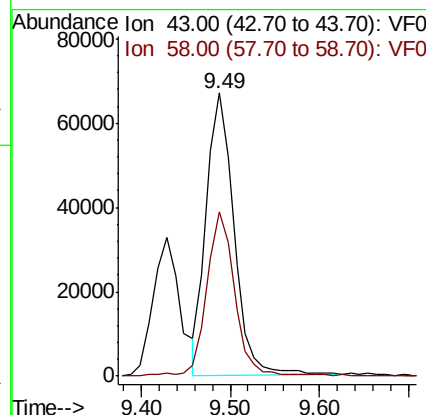
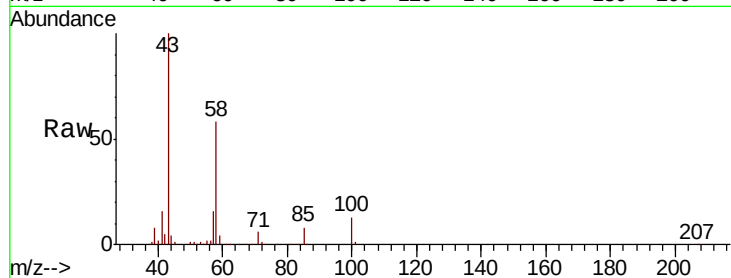
#59
2-Hexanone
Concen: 111.290 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBSD01

Tgt Ion: 43 Resp: 142879
Ion Ratio Lower Upper
43 100
58 58.2 28.5 85.5

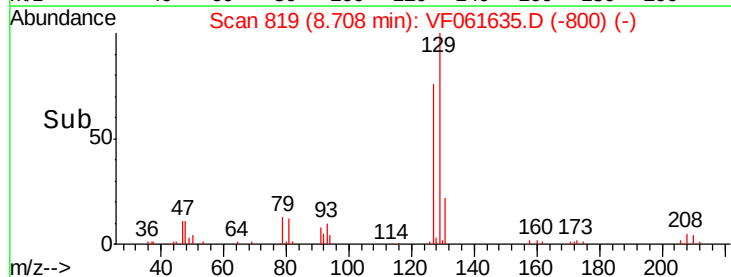
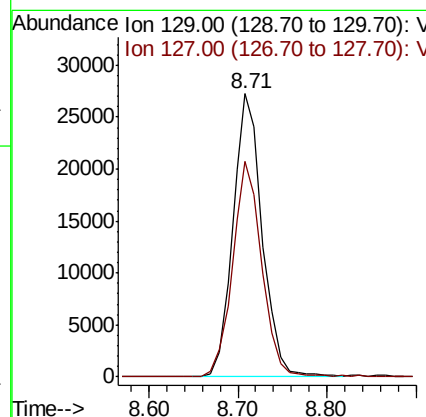
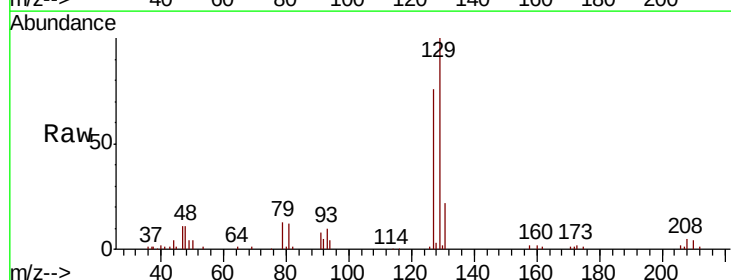
Manual Integrations
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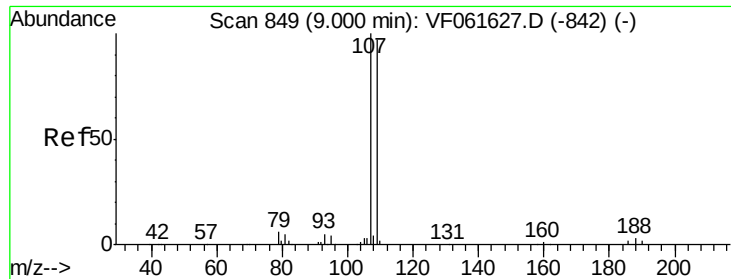
MMDadoda
2/18/2019 12:11:36 AM



#60
Dibromochloromethane
Concen: 20.678 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion: 129 Resp: 62541
Ion Ratio Lower Upper
129 100
127 76.3 37.8 113.4





#61

1,2-Dibromoethane

Concen: 20.888 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.02 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0214SBS01

Tgt Ion: 107 Resp: 49231

Ion Ratio Lower Upper

107 100

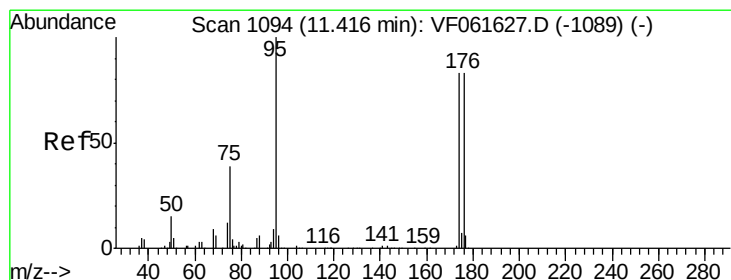
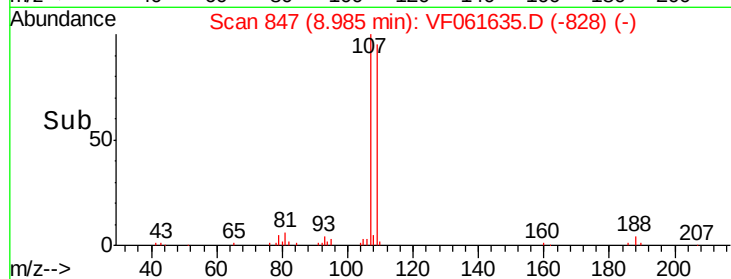
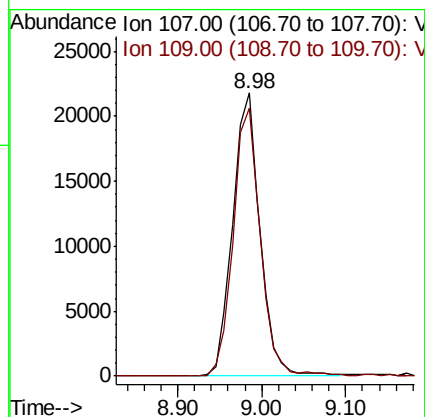
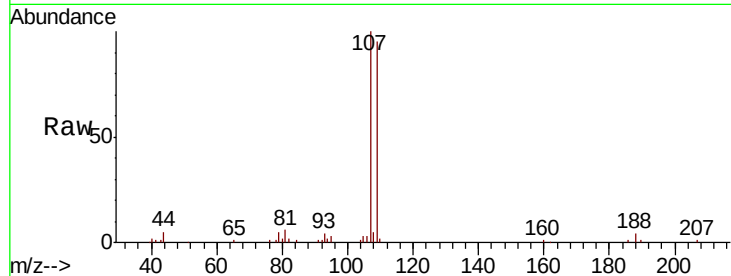
109 94.6 77.4 116.0

Manual Integrations

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MMDadoda

2/18/2019 12:11:36 AM



#62

4-Bromofluorobenzene

Concen: 51.894 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

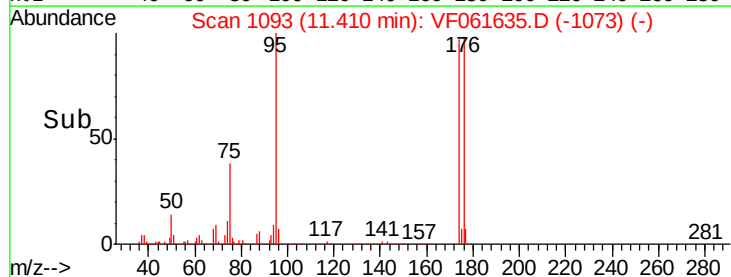
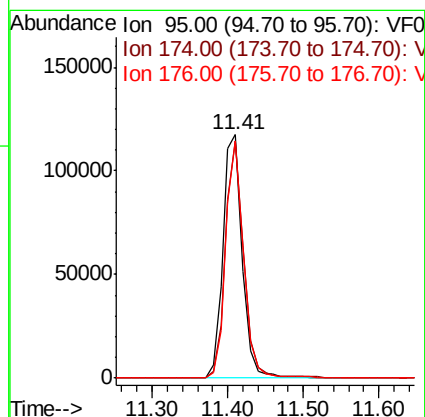
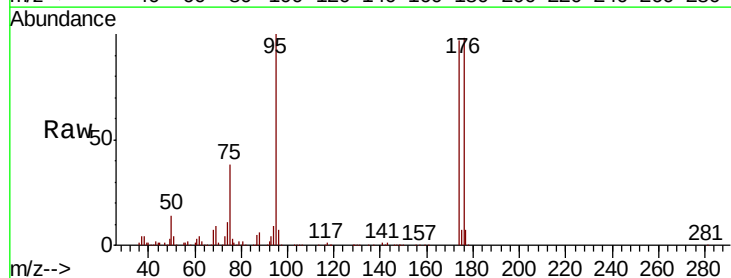
Tgt Ion: 95 Resp: 210958

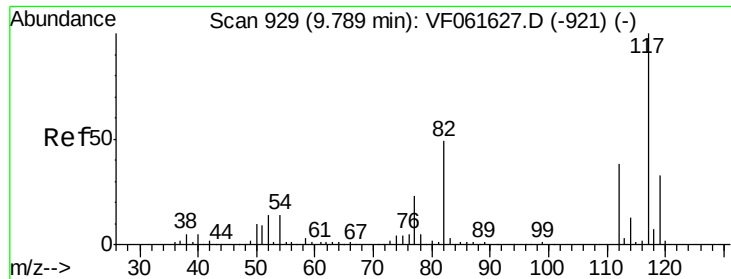
Ion Ratio Lower Upper

95 100

174 97.3 0.0 165.8

176 97.6 0.0 167.0





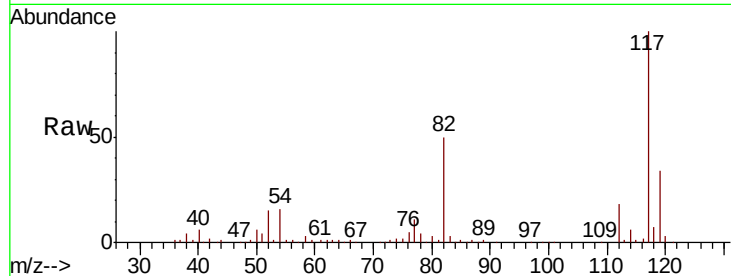
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	411499		
82	50.1	39.3	58.9	
119	34.4	26.6	40.0	

Manual Integrations
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MMDadoda
2/18/2019 12:11:36 AM

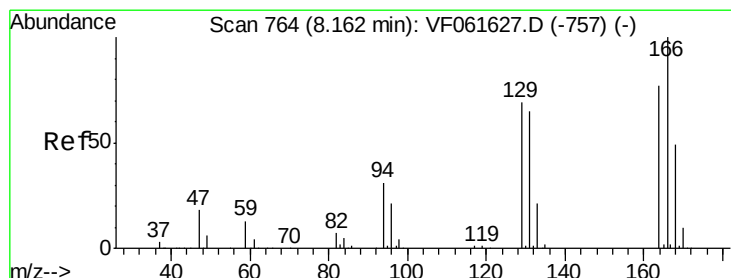
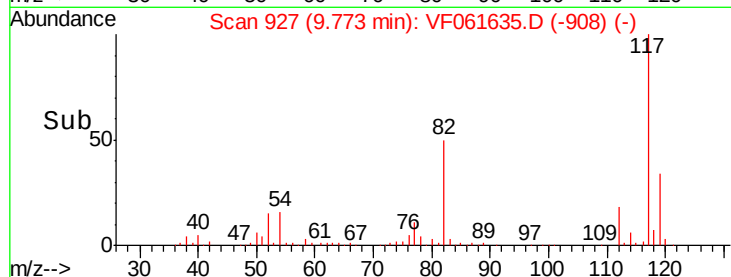
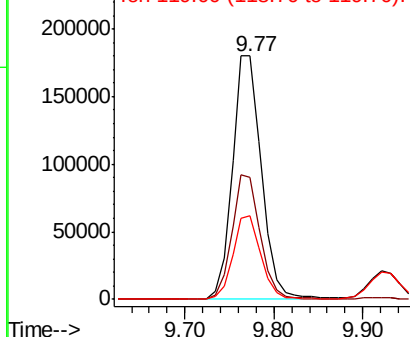


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 19.527 ug/l
RT: 8.15 min Scan# 762
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	65679		
166	136.8	103.9	155.9	
129	92.1	71.3	106.9	
131	91.2	67.1	100.7	

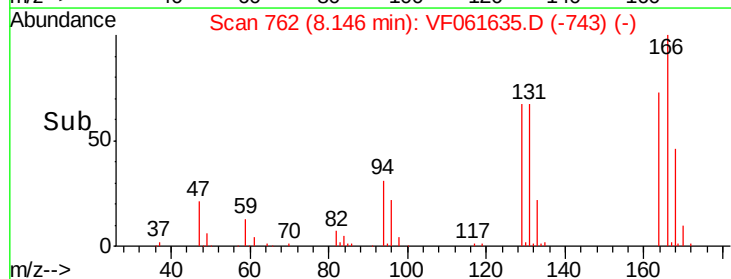
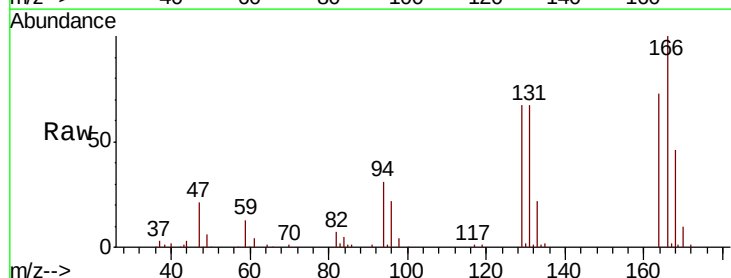
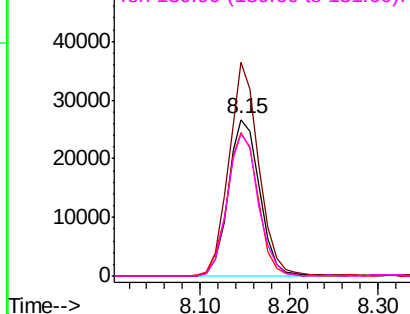
Abundance

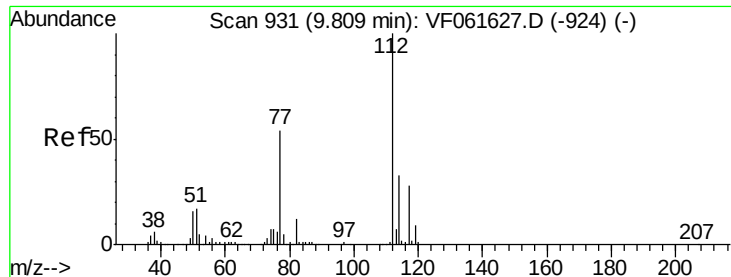
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





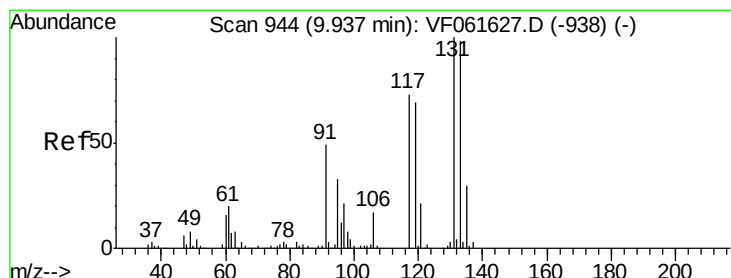
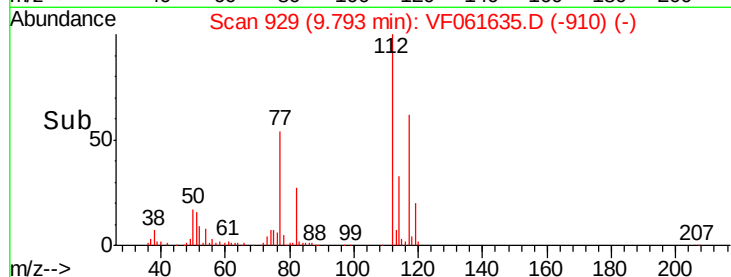
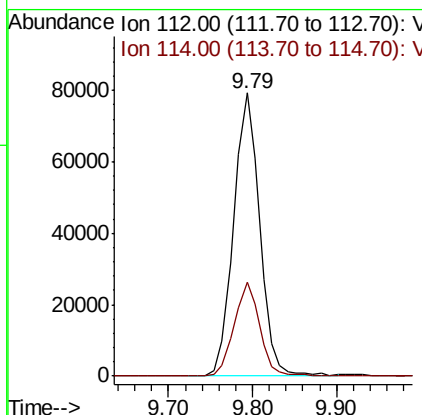
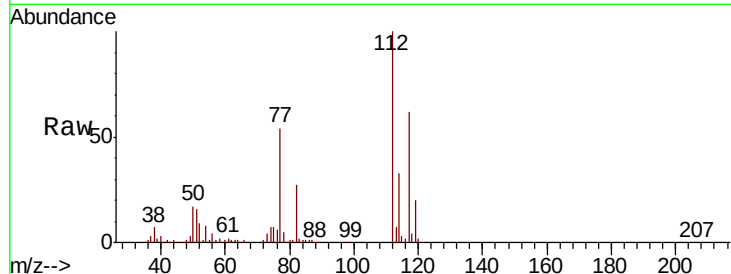
#65
Chlorobenzene
Concen: 20.519 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	171341		
114	33.3	26.2	39.2	

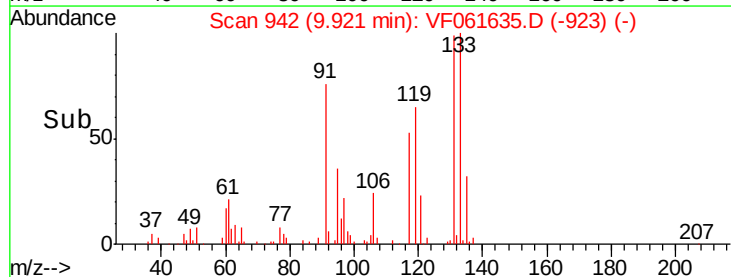
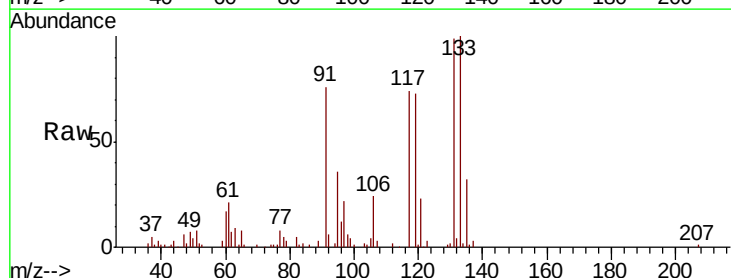
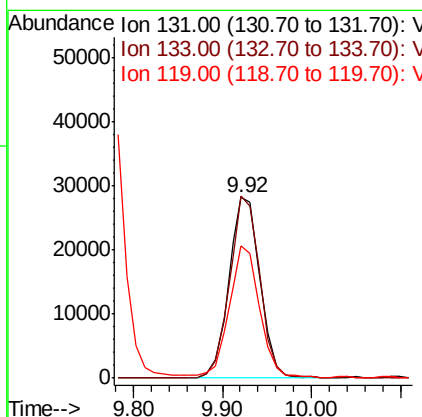
Manual Integrations
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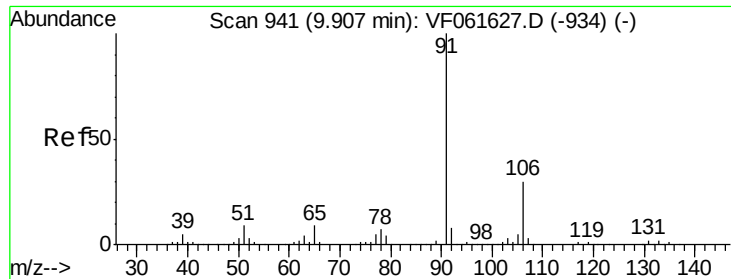
MMDadoda
2/18/2019 12:11:36 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.946 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	68535		
133	100.5	48.9	146.6	
119	73.1	34.8	104.3	





#67

Ethyl Benzene

Concen: 21.182 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.02 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0214SBSD01

Tgt Ion: 91 Resp: 294136

Ion Ratio Lower Upper

91 100

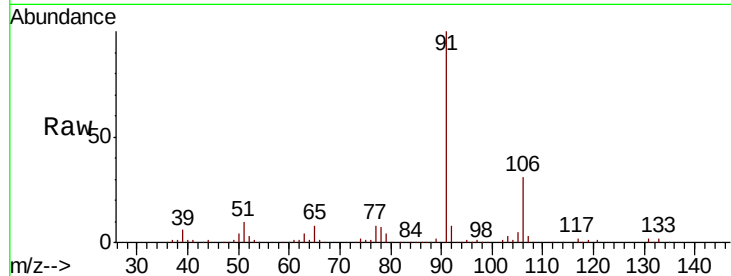
106 31.0 24.1 36.1

Manual Integrations

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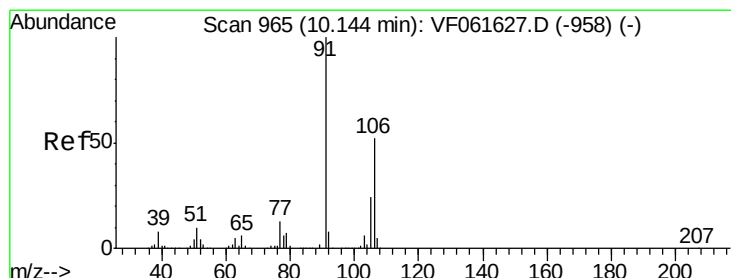
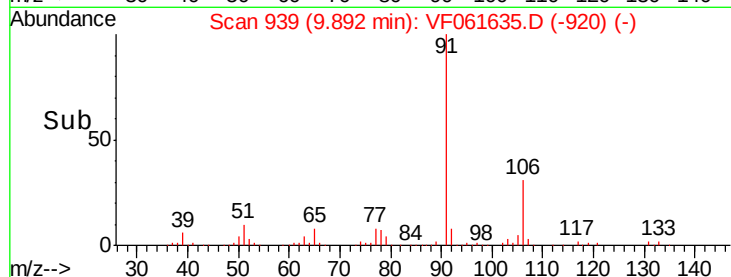
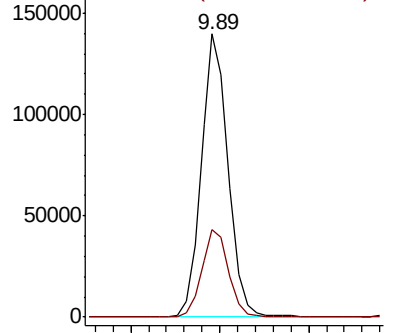
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 43.473 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.02 min

Lab File: VF061635.D

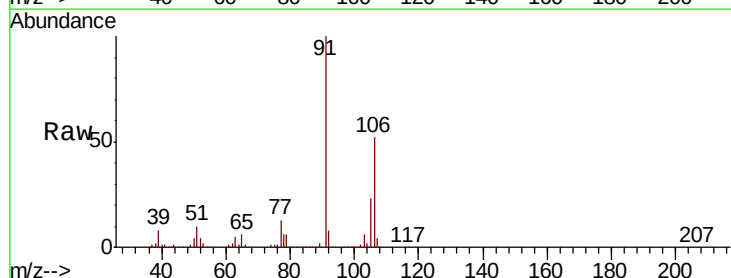
Acq: 14 Feb 2019 12:41

Tgt Ion: 106 Resp: 231037

Ion Ratio Lower Upper

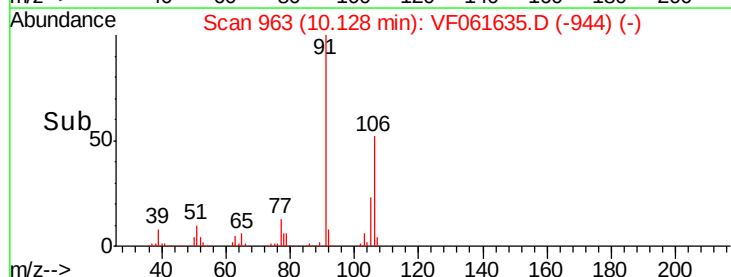
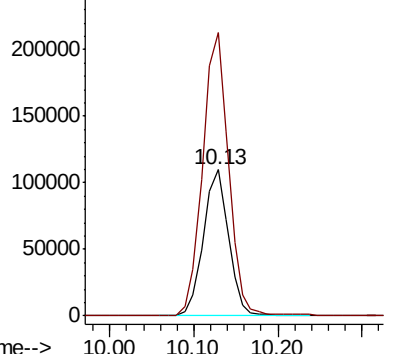
106 100

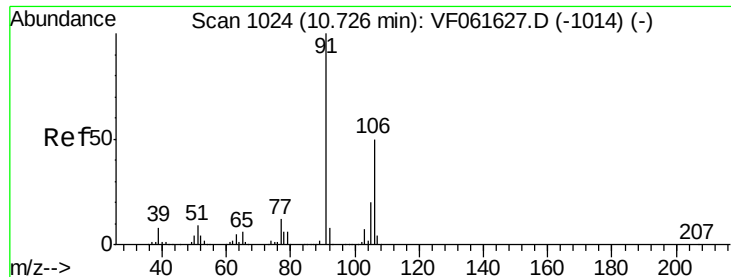
91 193.7 153.0 229.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





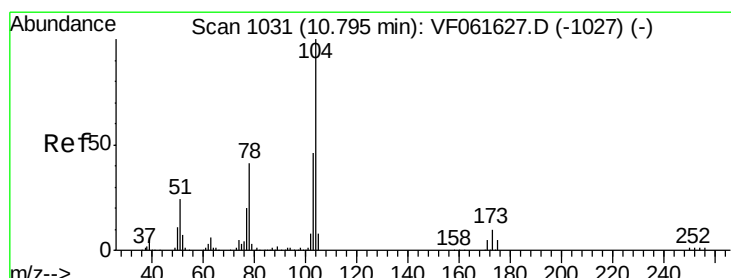
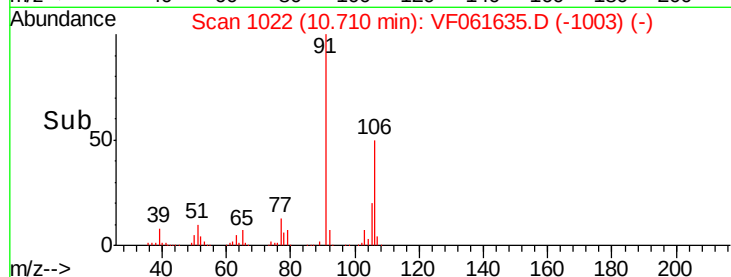
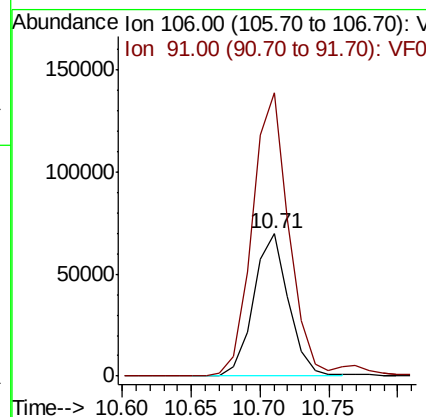
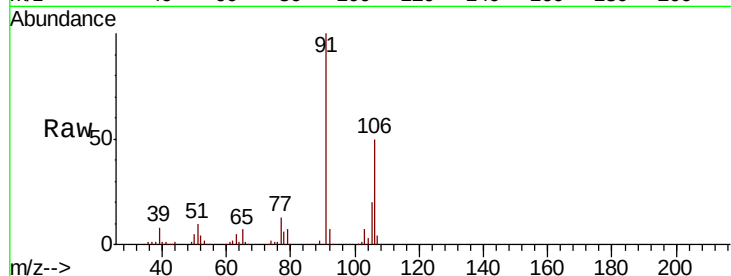
#69
o-Xylene
Concen: 21.862 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	123977		
91	198.7	100.1	300.1	

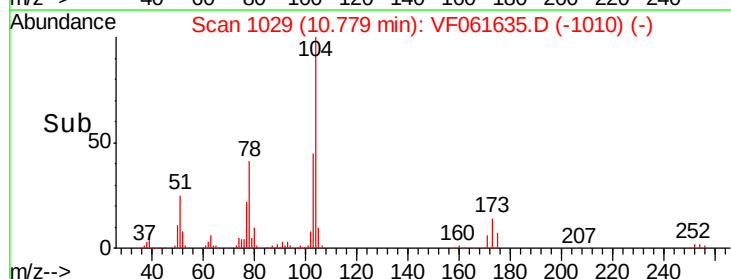
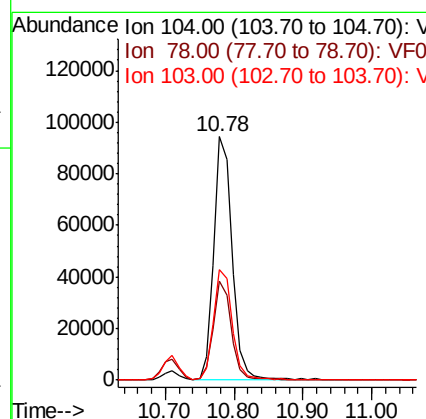
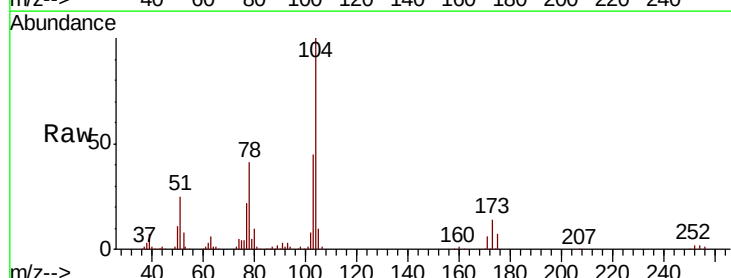
Manual Integrations
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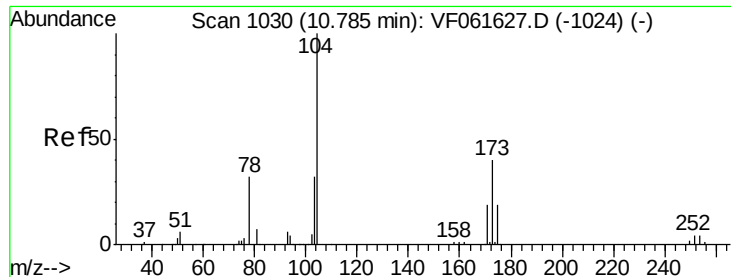
MMDadoda
2/18/2019 12:11:36 AM



#70
Styrene
Concen: 21.867 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	175429		
78	40.6	33.2	49.8	
103	45.5	37.2	55.8	





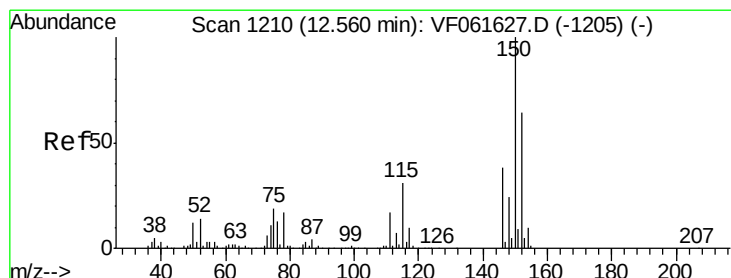
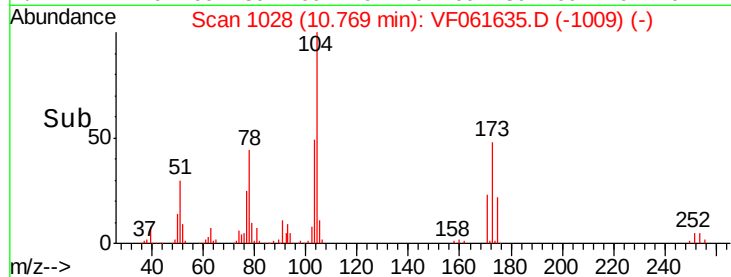
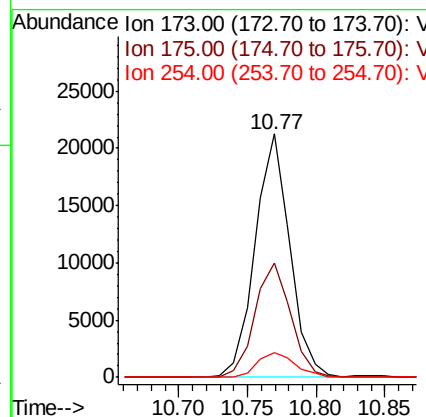
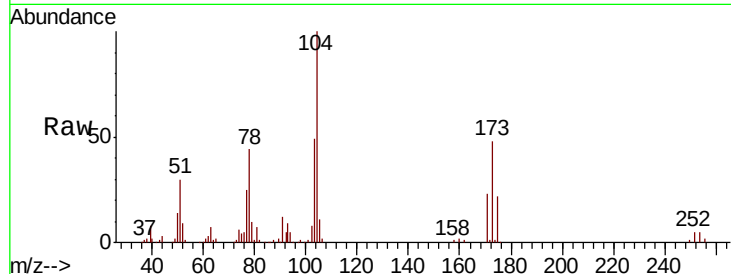
#71
Bromoform
Concen: 21.061 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.0	72.0
254	10.3	8.2	12.2

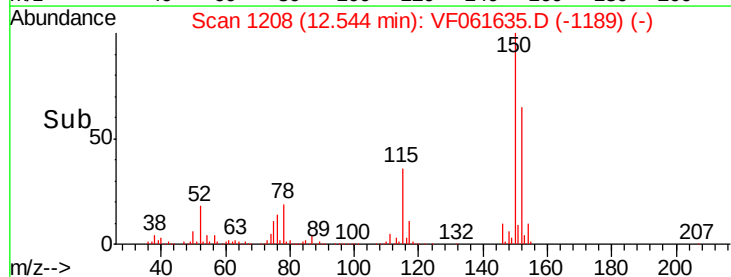
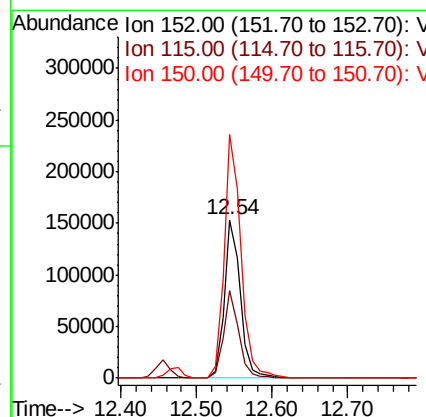
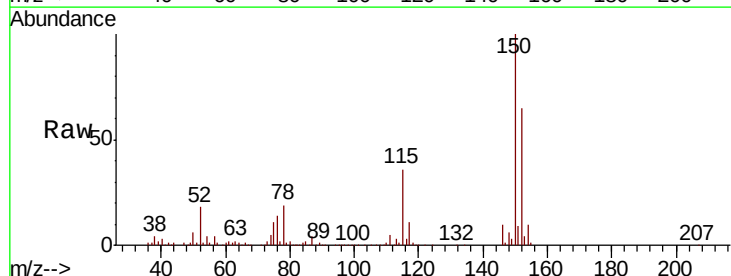
Manual Integrations
APPROVED

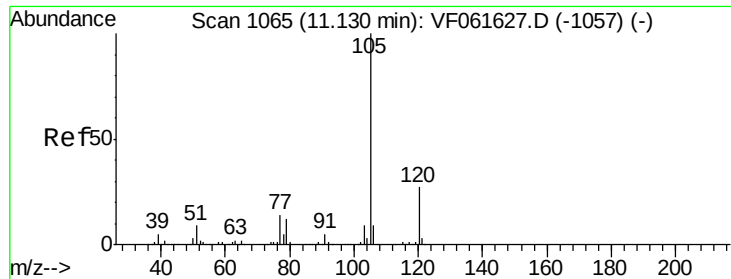
MMDadoda
2/18/2019 12:11:36 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	24.3	72.8
150	153.6	0.0	312.0





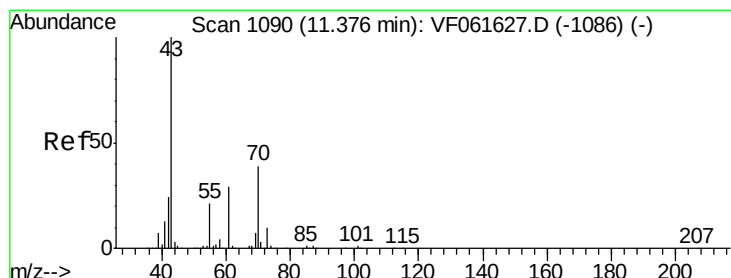
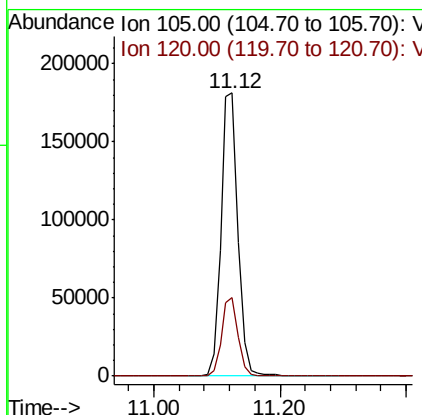
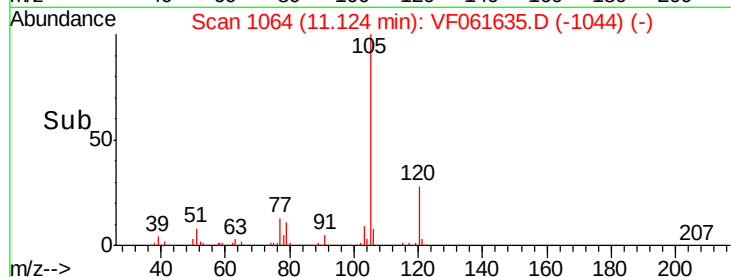
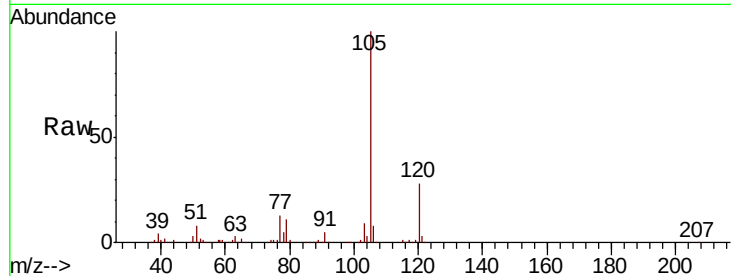
#73
Isopropylbenzene
Concen: 20.812 ug/l
RT: 11.12 min Scan# 1064
Delta R.T. -0.01 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBS01

Tgt Ion: 105 Resp: 340212
Ion Ratio Lower Upper
105 100
120 27.9 13.4 40.1

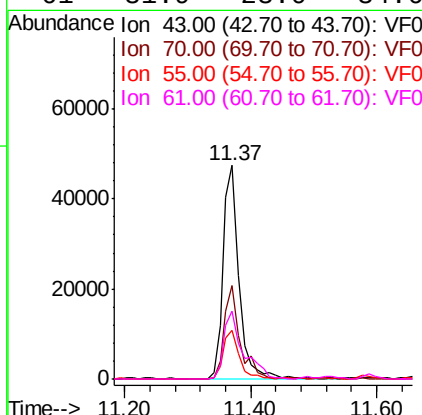
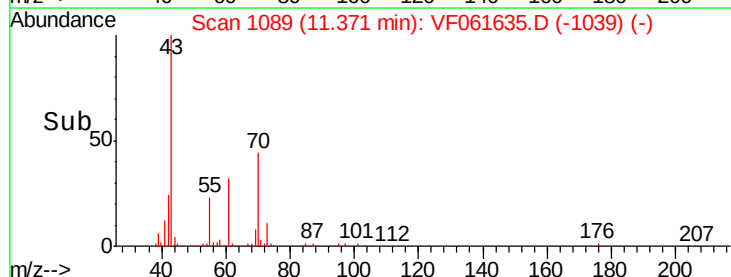
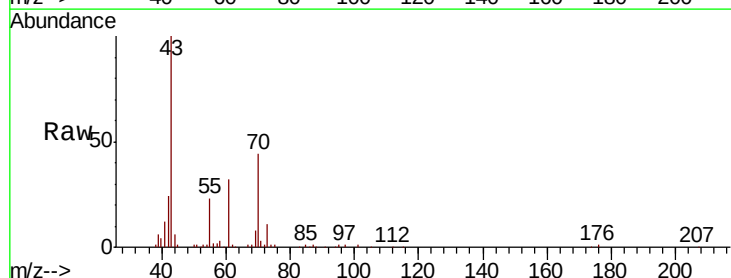
Manual Integrations
APPROVED

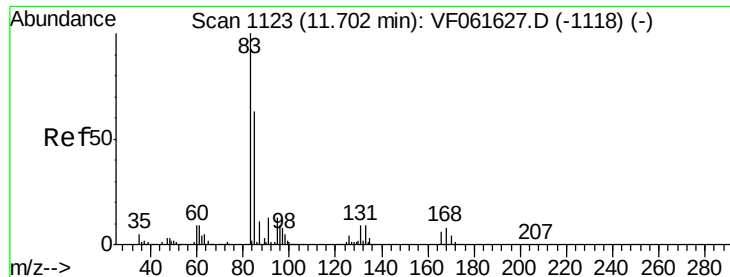
MMDadoda
2/18/2019 12:11:36 AM



#74
N-ethyl acetate
Concen: 21.646 ug/l
RT: 11.37 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion: 43 Resp: 84930
Ion Ratio Lower Upper
43 100
70 43.8 31.5 47.3
55 22.5 16.7 25.1
61 31.9 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.636 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0214SBS01

Tgt Ion: 83 Resp: 60432
Ion Ratio Lower Upper

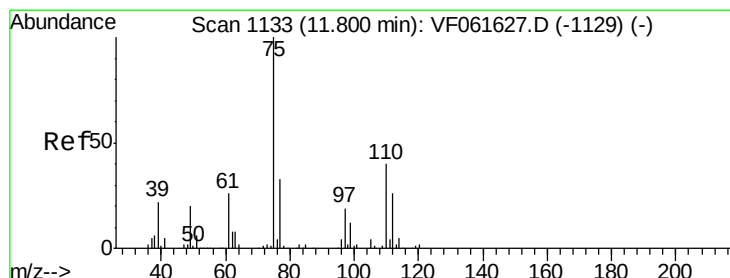
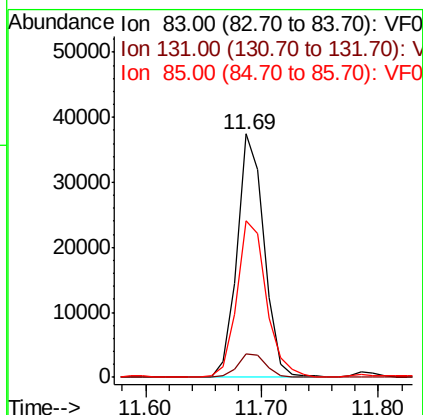
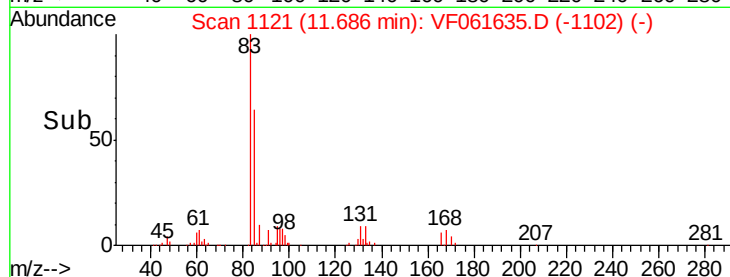
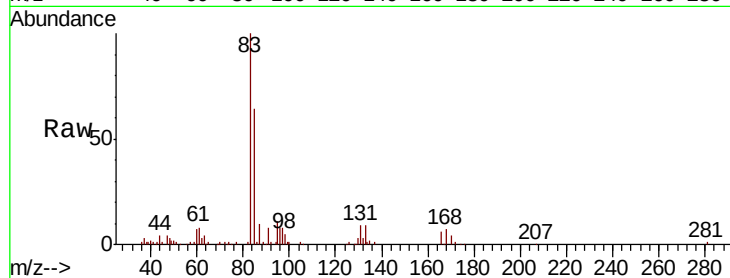
83 100

131 9.4 4.4 13.2

85 64.3 31.5 94.5

Manual Integrations
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2/18/2019 12:11:36 AM



#76

1,2,3-Trichloropropane

Concen: 20.084 ug/l

RT: 11.79 min Scan# 1131

Delta R.T. -0.02 min

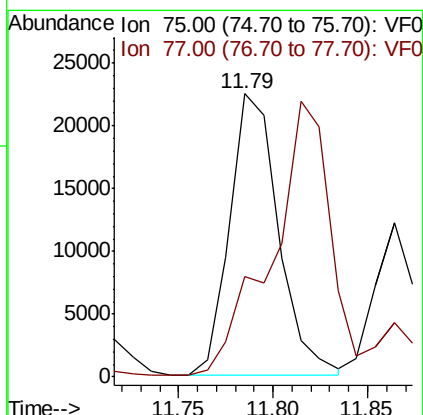
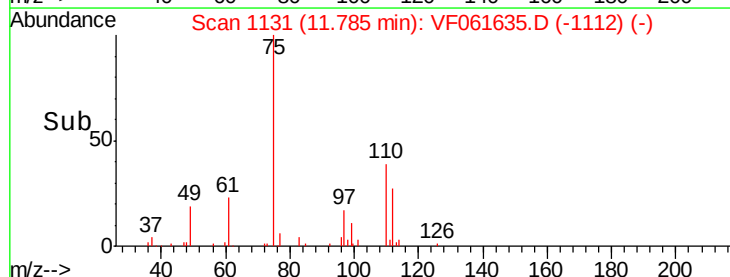
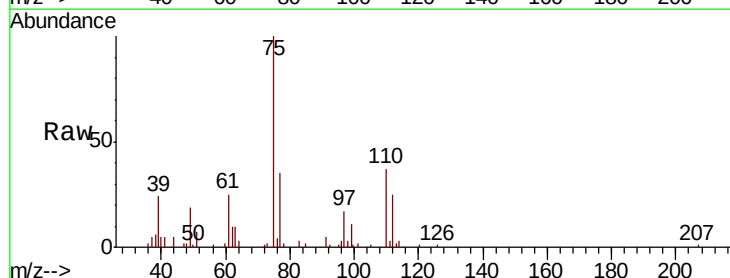
Lab File: VF061635.D

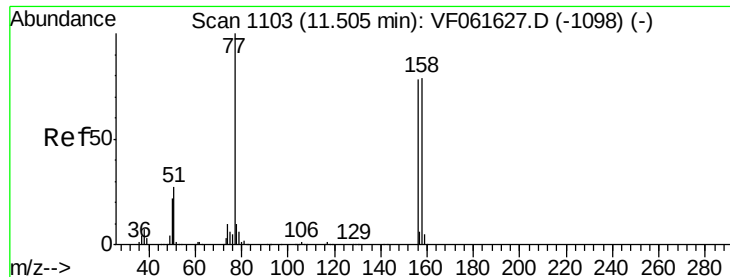
Acq: 14 Feb 2019 12:41

Tgt Ion: 75 Resp: 39988
Ion Ratio Lower Upper

75 100

77 35.3 16.6 49.7





#77

Bromobenzene

Concen: 21.246 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.02 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Instrument :

MSVOA_F

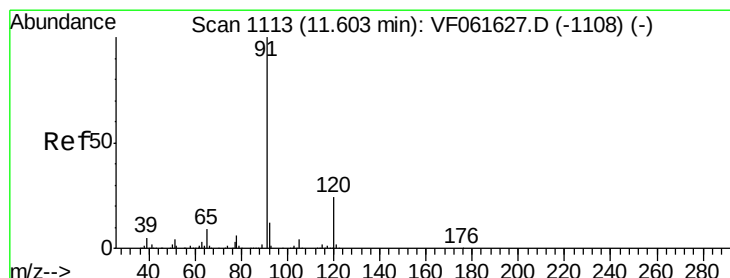
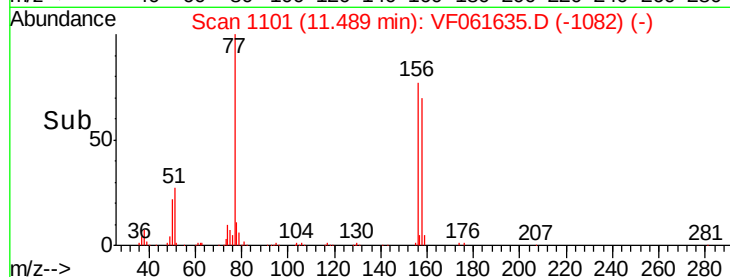
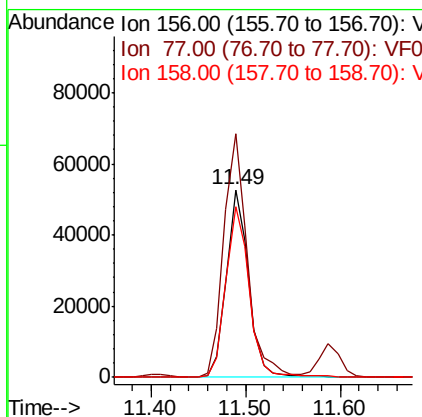
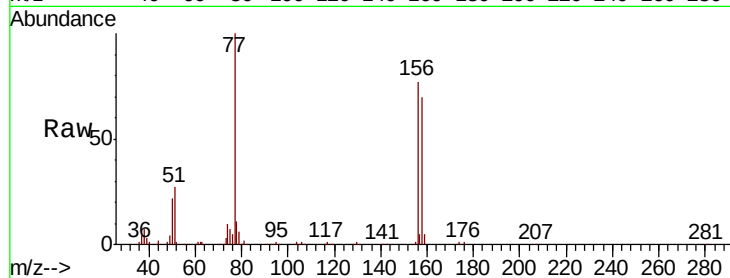
ClientSampleId :

VF0214SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	129.7	64.3	192.7
158	90.8	50.9	152.7

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#78

n-propylbenzene

Concen: 21.002 ug/l

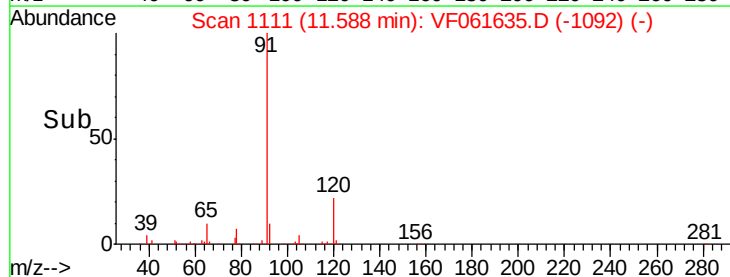
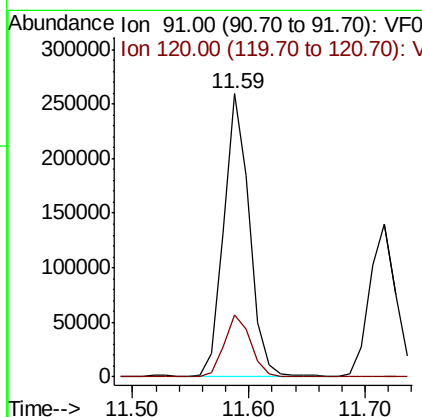
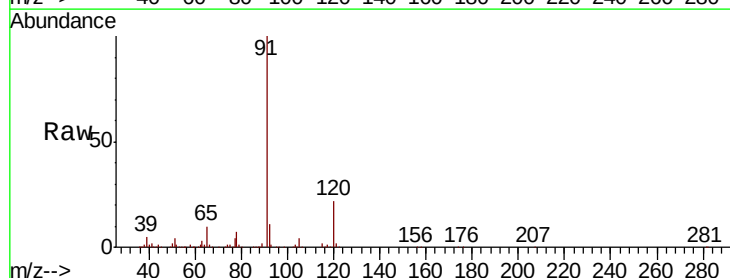
RT: 11.59 min Scan# 1111

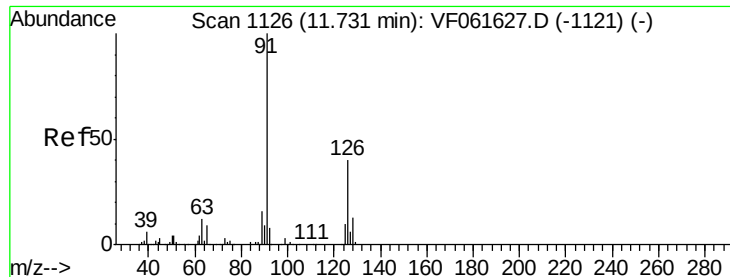
Delta R.T. -0.02 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	12.1	36.3





#79

2-Chlorotoluene

Concen: 20.850 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0214SBSD01

Tgt Ion: 91 Resp: 219041

Ion Ratio Lower Upper

91 100

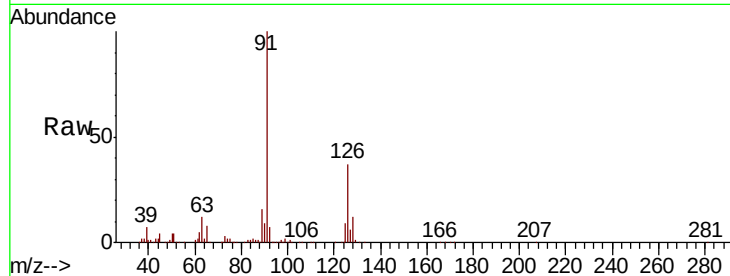
126 37.1 19.8 59.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

150000

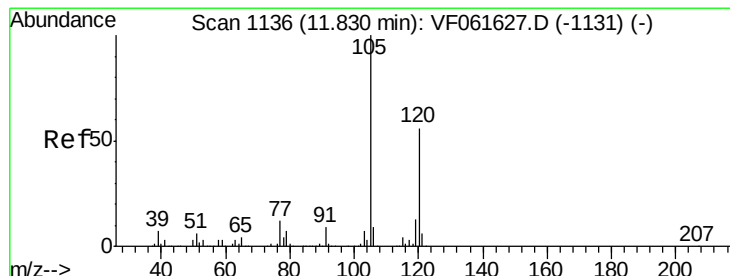
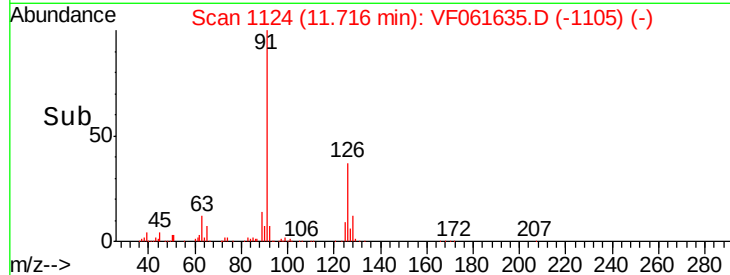
11.72

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.907 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.02 min

Lab File: VF061635.D

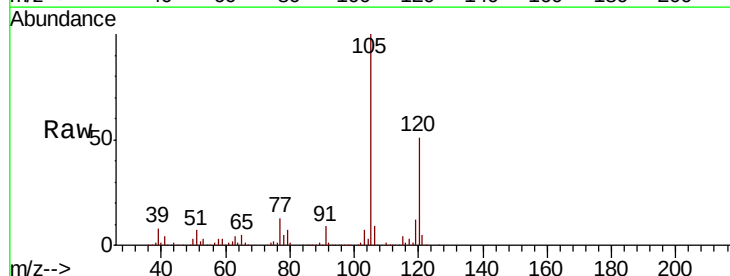
Acq: 14 Feb 2019 12:41

Tgt Ion: 105 Resp: 286216

Ion Ratio Lower Upper

105 100

120 51.2 27.9 83.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

11.81

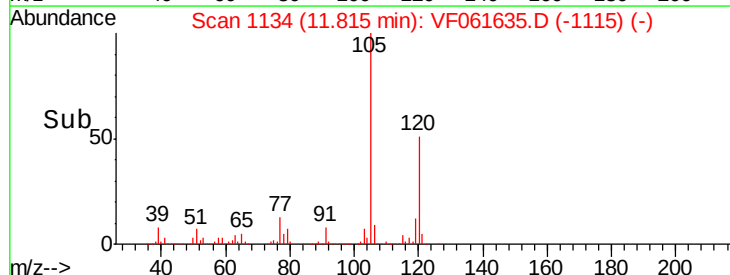
150000

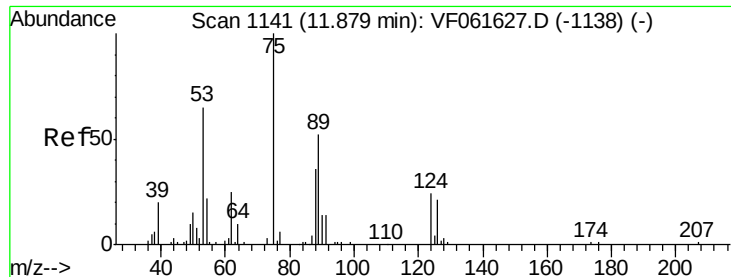
100000

50000

0

Time-->





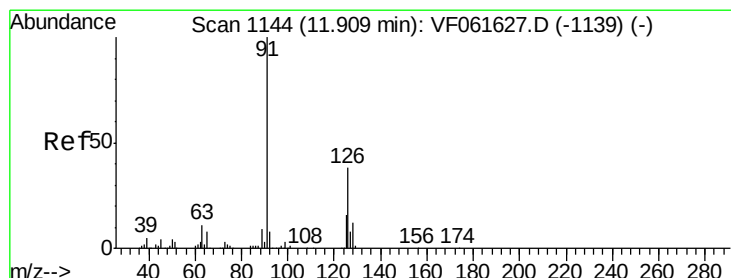
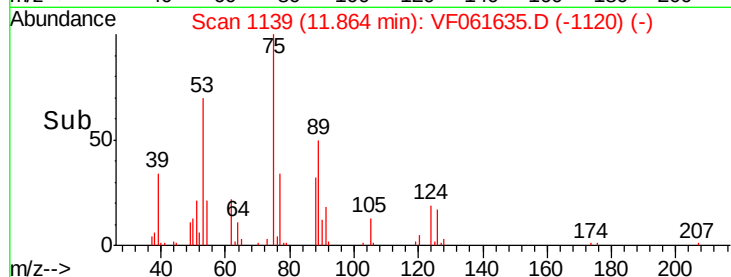
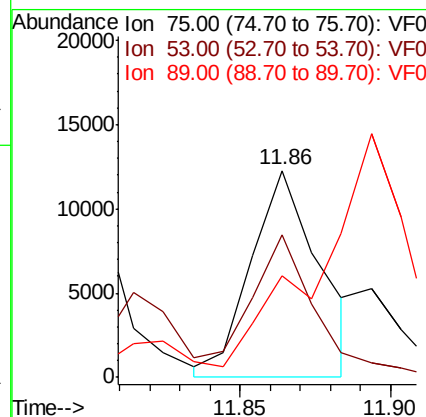
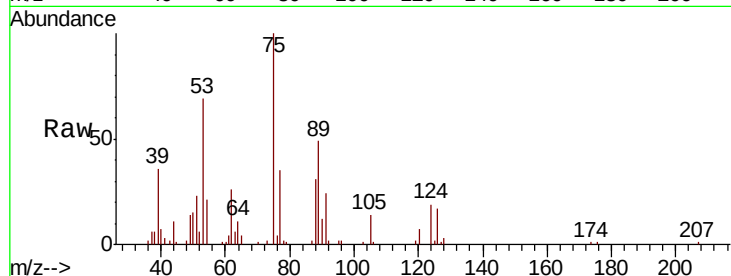
#81
trans-1,4-Dichloro-2-butene
Concen: 20.544 ug/l m
RT: 11.86 min Scan# 1139
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	68.8	53.7	80.5
89	49.2	41.6	62.4

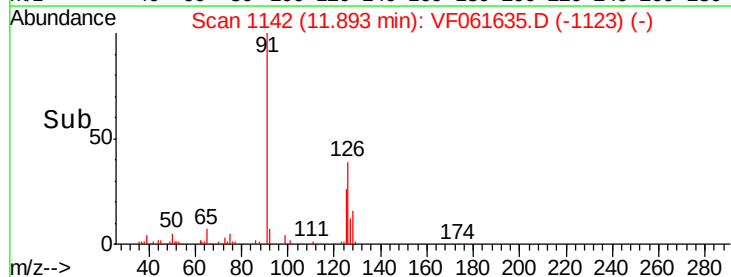
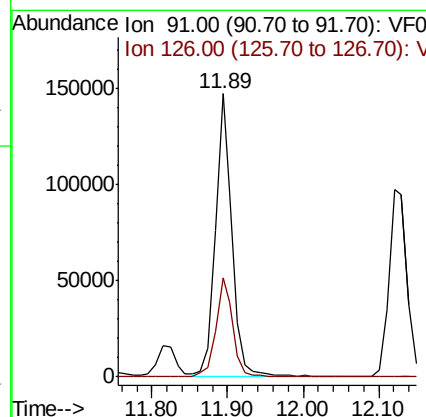
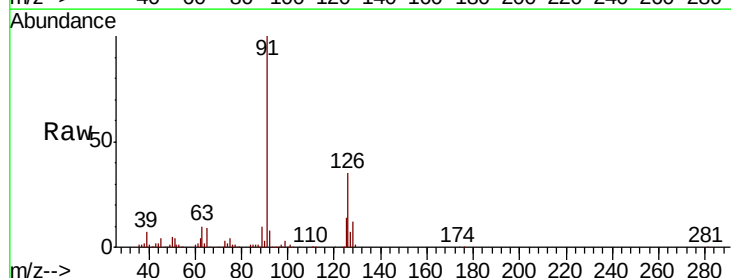
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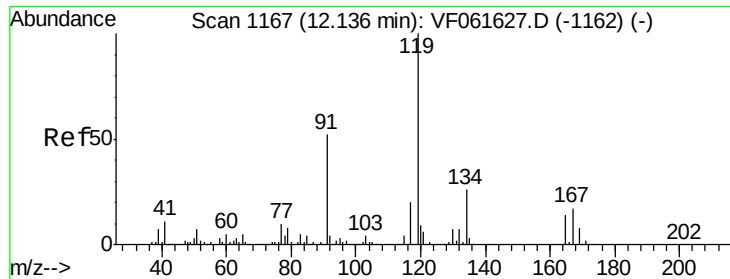
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.610 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	19.1	57.1





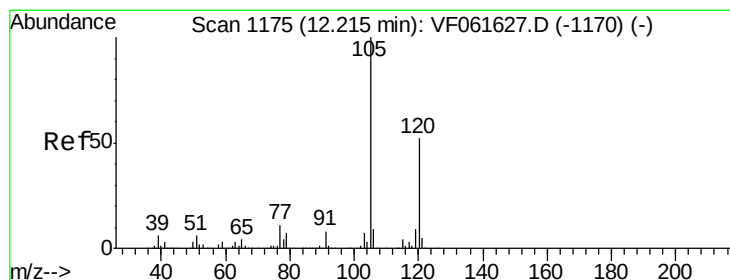
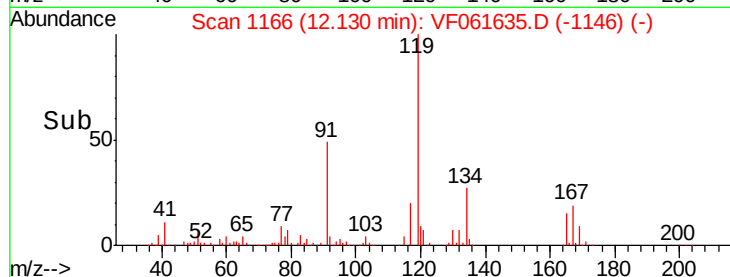
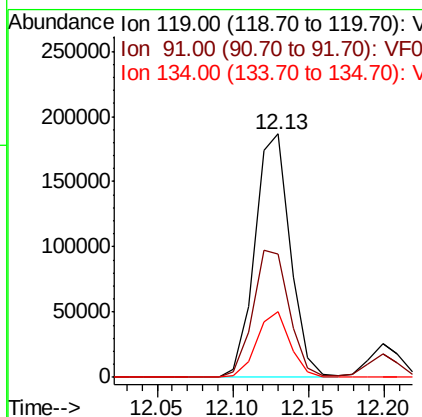
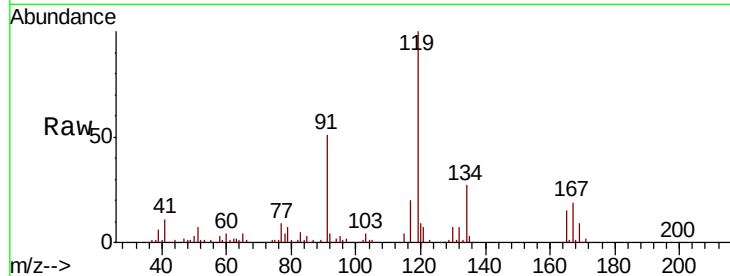
#83
tert-Butylbenzene
Concen: 21.175 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.01 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	306422		
91	50.8	26.3	78.8	
134	26.8	12.9	38.7	

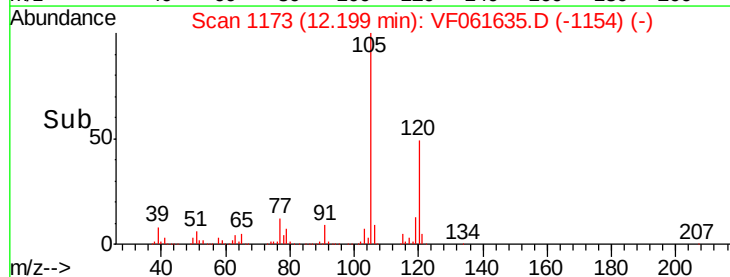
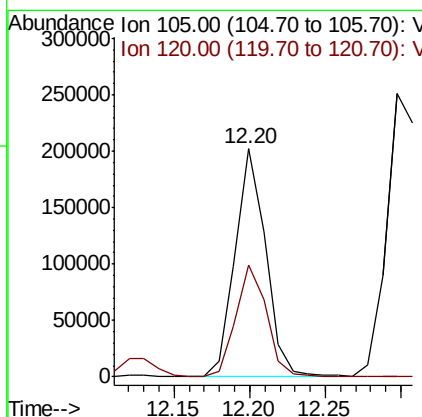
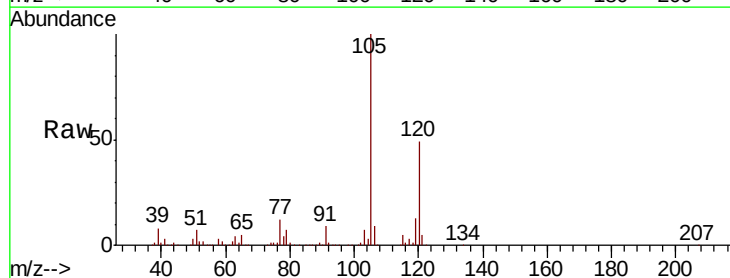
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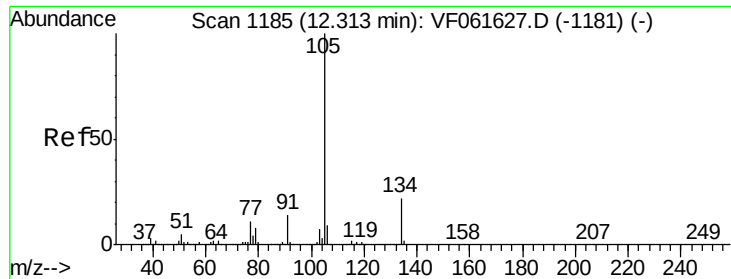
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#84
1,2,4-Trimethylbenzene
Concen: 21.818 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	283191		
120	48.9	26.1	78.3	





#85

sec-Butylbenzene

Concen: 21.155 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0214SBSD01

Tgt Ion:105 Resp: 395864

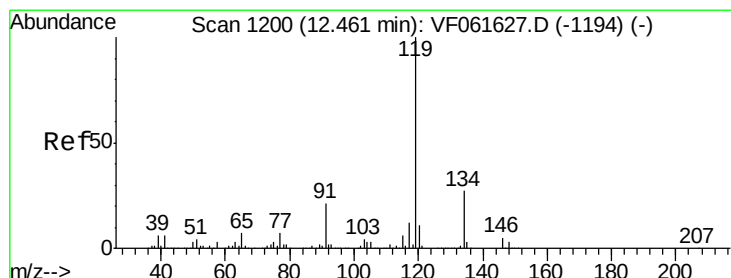
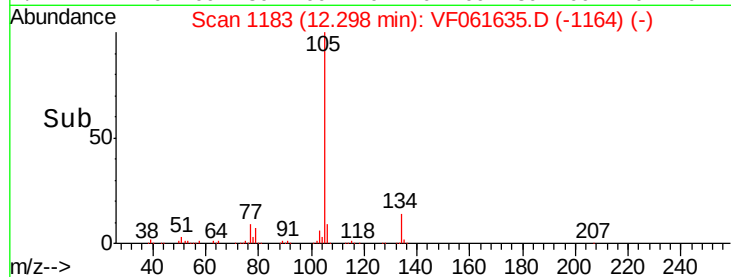
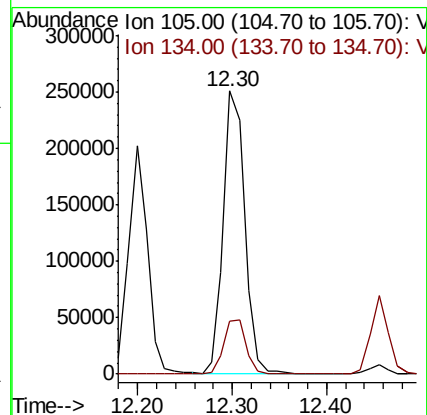
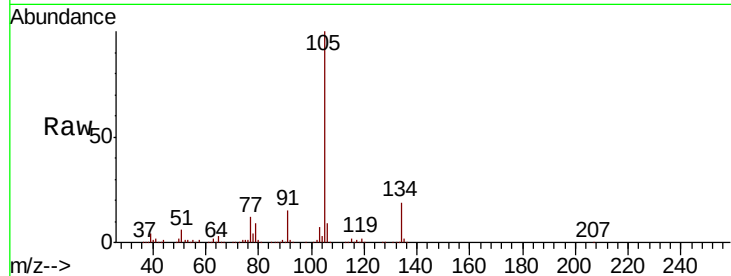
Ion Ratio Lower Upper

105 100

134 18.9 10.8 32.4

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2/18/2019 12:11:36 AM



#86

p-Isopropyltoluene

Concen: 22.562 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061635.D

Acq: 14 Feb 2019 12:41

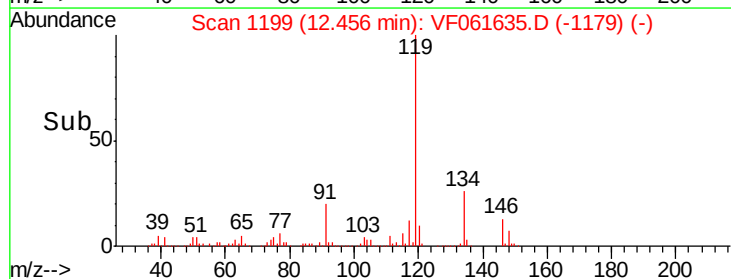
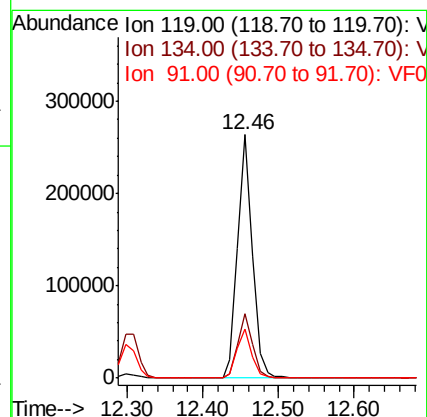
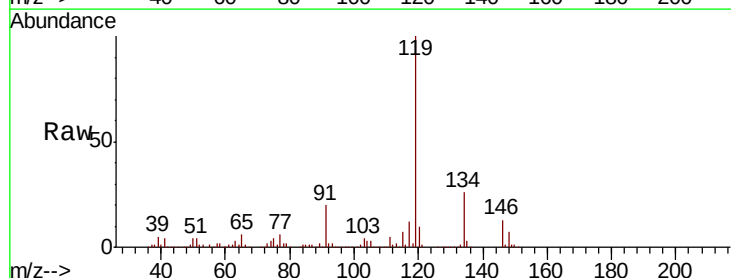
Tgt Ion:119 Resp: 354329

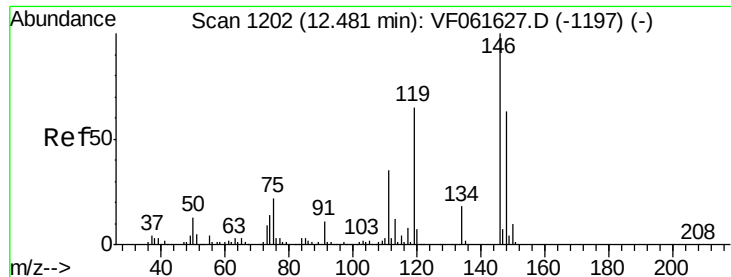
Ion Ratio Lower Upper

119 100

134 26.2 13.7 41.1

91 20.1 10.8 32.4





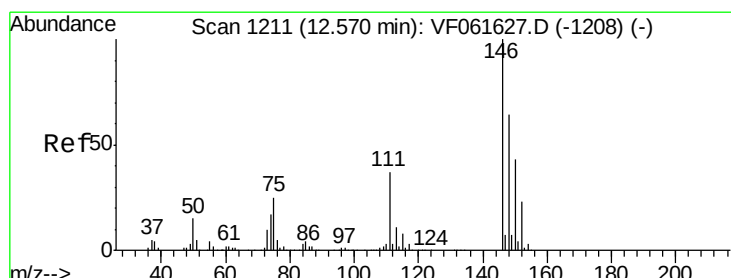
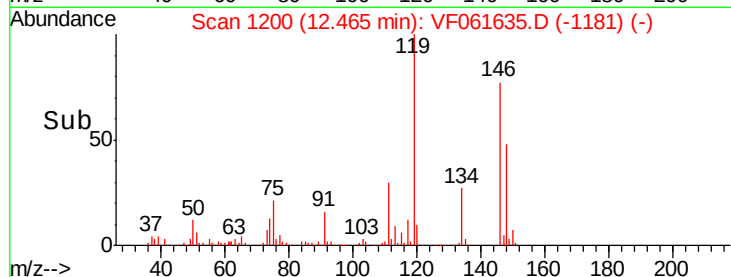
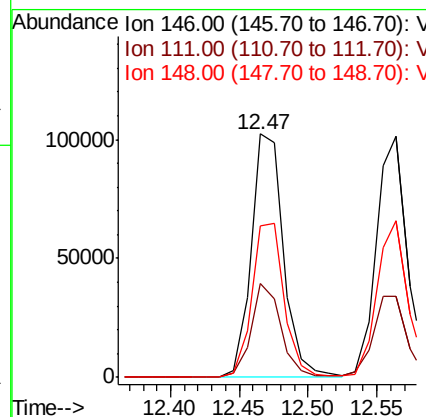
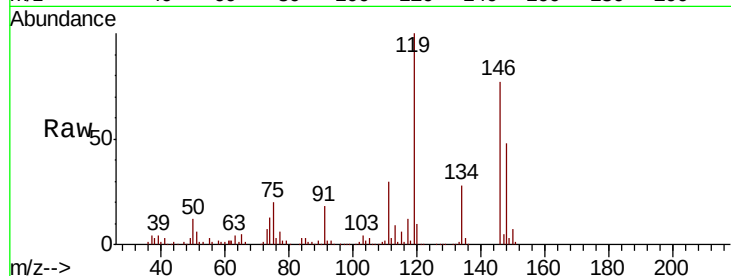
#87
 1,3-Dichlorobenzene
 Concen: 21.398 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF061635.D
 Acq: 14 Feb 2019 12:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0214SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	168460		
111	38.4	17.5	52.6	
148	62.0	31.4	94.3	

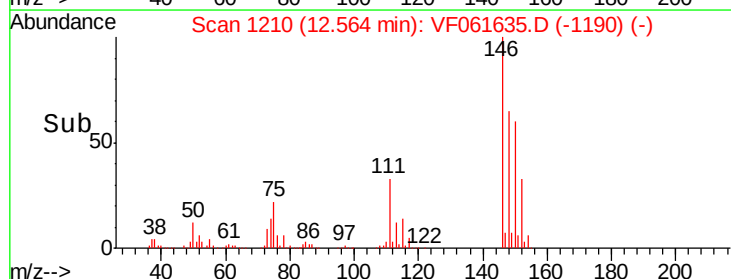
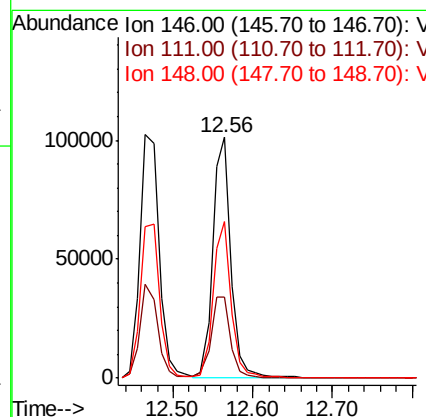
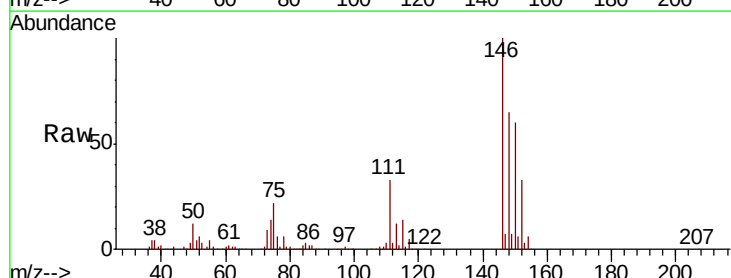
Manual Integrations
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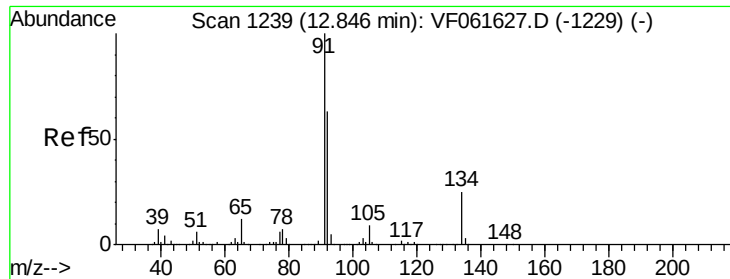
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#88
 1,4-Dichlorobenzene
 Concen: 21.379 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF061635.D
 Acq: 14 Feb 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	161872		
111	33.4	18.4	55.4	
148	65.3	32.2	96.6	





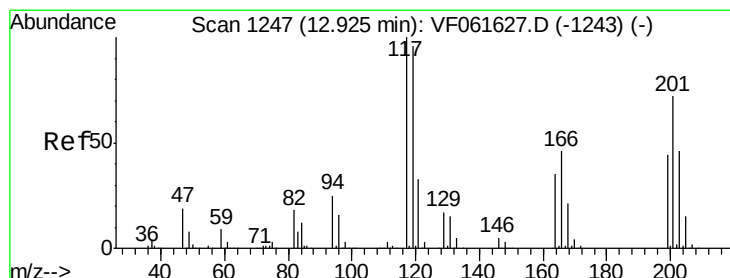
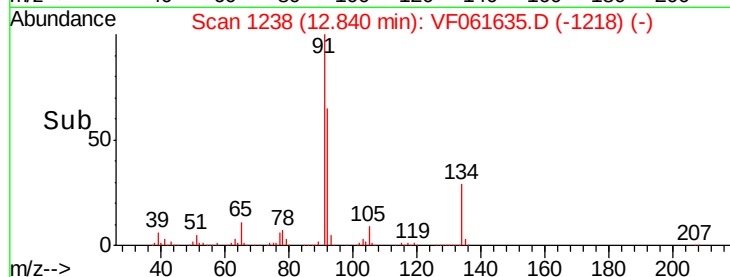
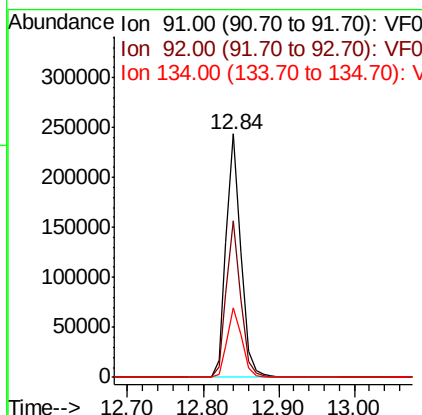
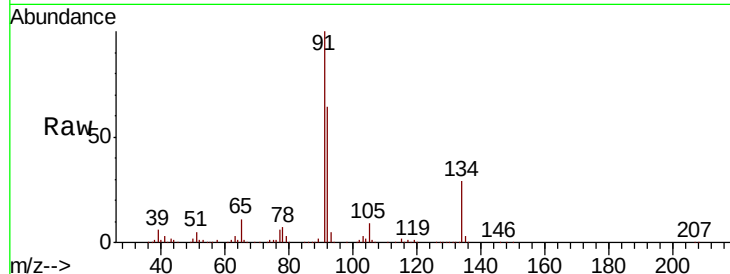
#89
n-Butylbenzene
Concen: 22.312 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	64.5	31.4	94.3
134	28.7	12.3	36.9

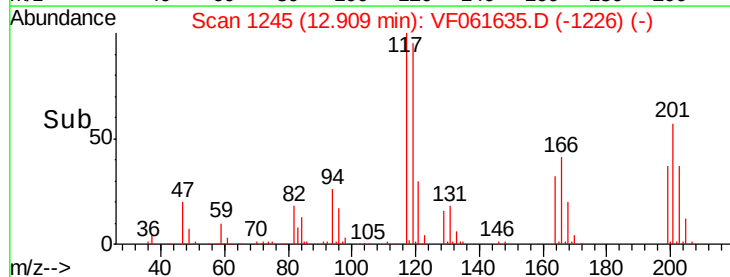
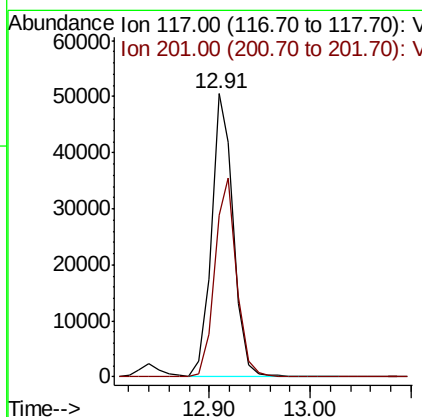
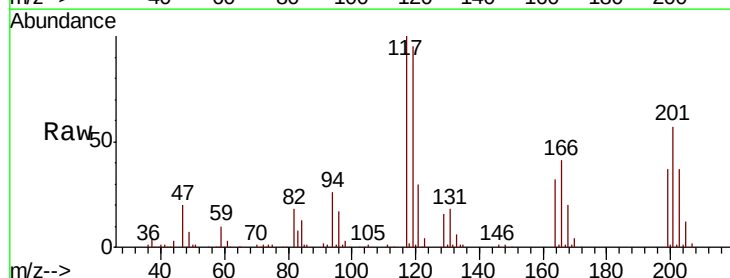
Manual Integrations
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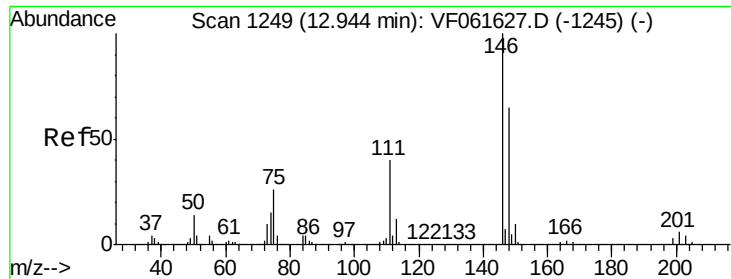
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#90
Hexachloroethane
Concen: 20.992 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	57.2	36.2	108.6





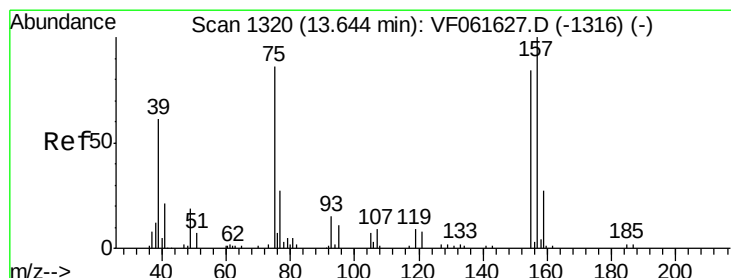
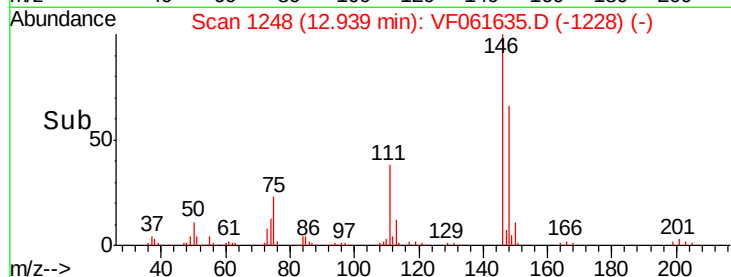
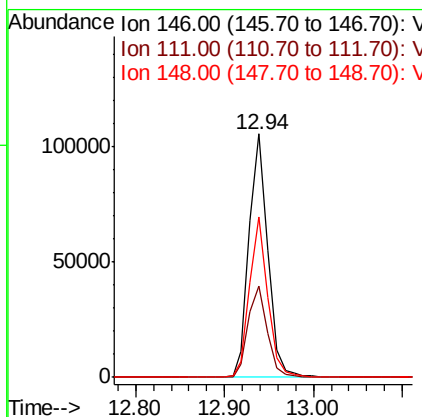
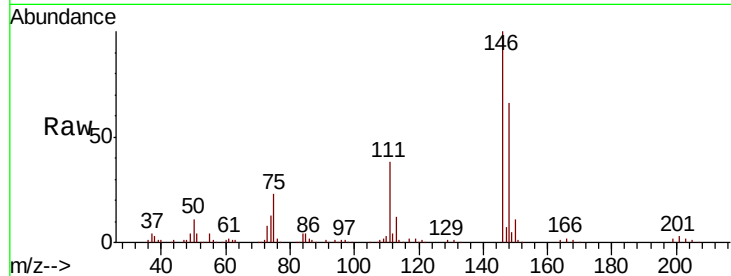
#91
 1,2-Dichlorobenzene
 Concen: 20.551 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061635.D
 Acq: 14 Feb 2019 12:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0214SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	153887		
111	37.6	20.2	60.5	
148	65.9	32.3	96.9	

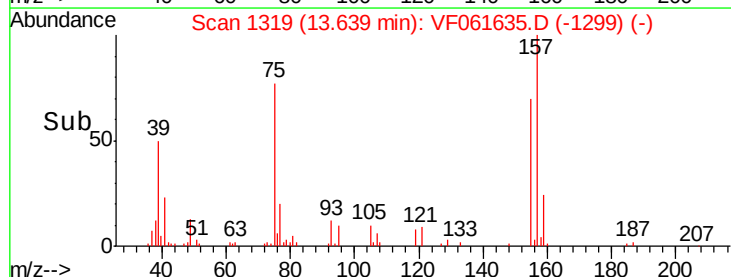
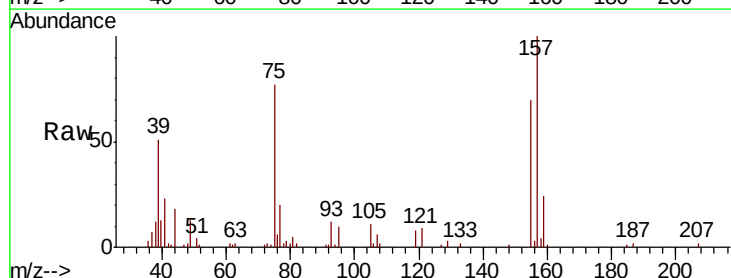
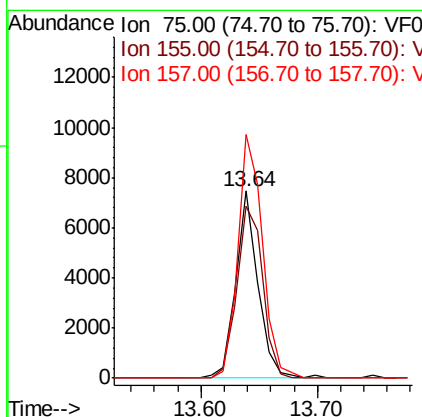
Manual Integrations
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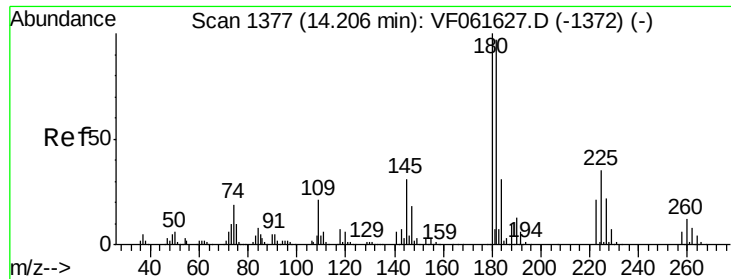
MMDadoda
 2/18/2019 12:11:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.257 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061635.D
 Acq: 14 Feb 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9870		
155	91.7	48.9	146.8	
157	130.4	58.3	174.8	





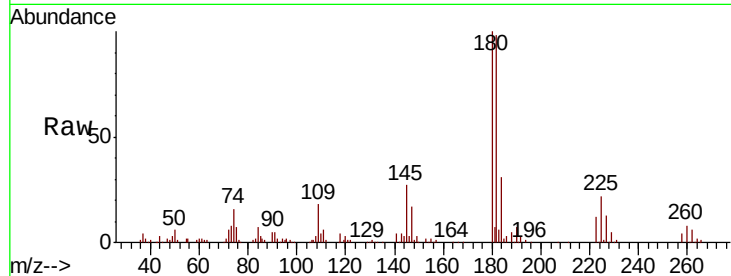
#93
1,2,4-Trichlorobenzene
Concen: 21.522 ug/l
RT: 14.20 min Scan# 1376
Delta R.T. -0.01 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	115519		
182	98.1	48.6	145.9	
145	27.2	15.3	45.9	

Manual Integrations
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2/18/2019 12:11:36 AM

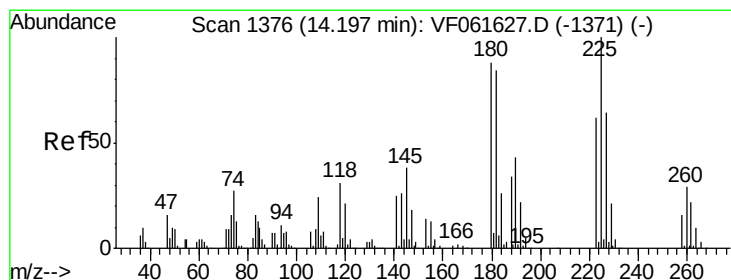
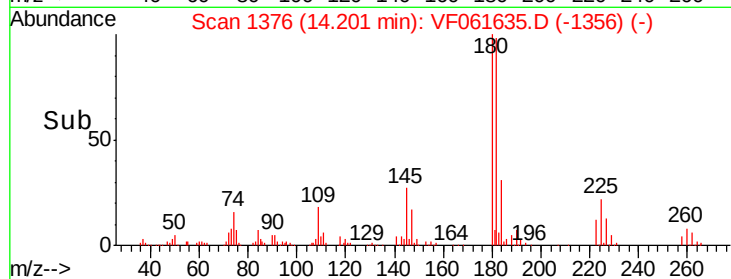
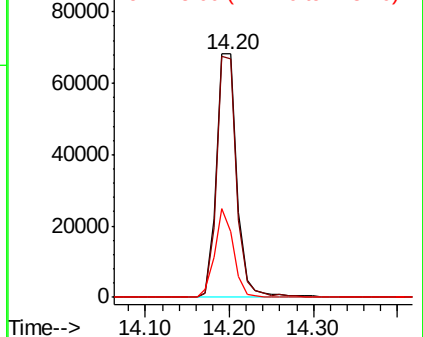


Abundance

Ion 180.00 (179.70 to 180.70): V

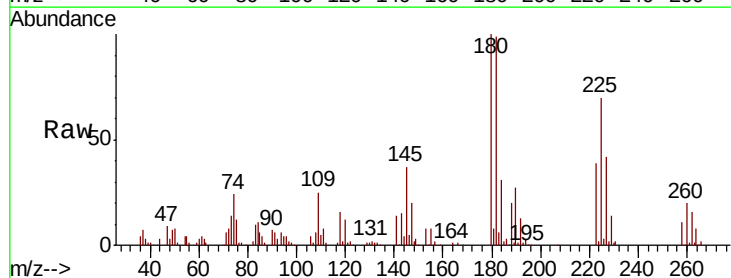
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
Hexachlorobutadiene
Concen: 22.065 ug/l
RT: 14.19 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73143		
223	55.6	30.9	92.7	
227	60.2	32.1	96.3	

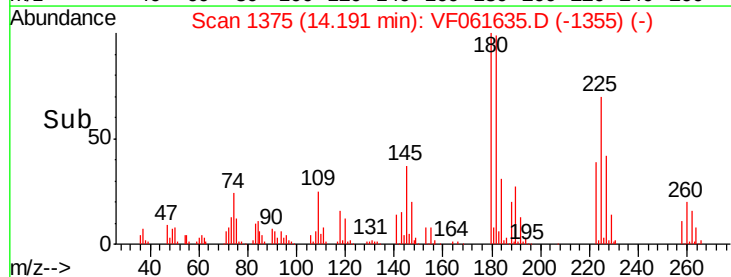
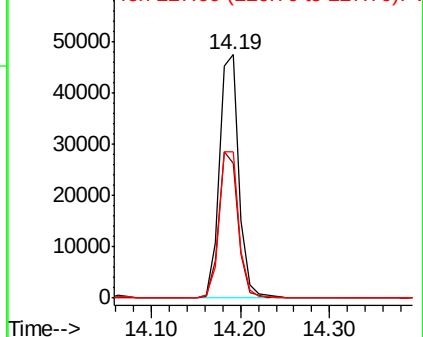


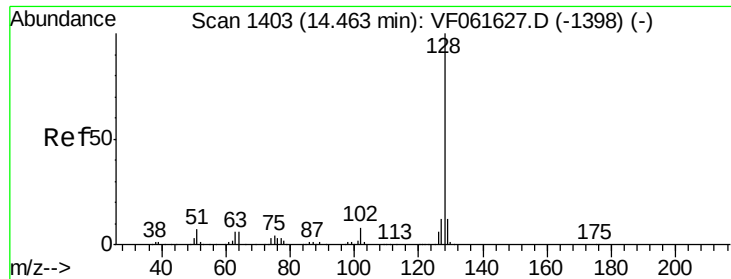
Abundance

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





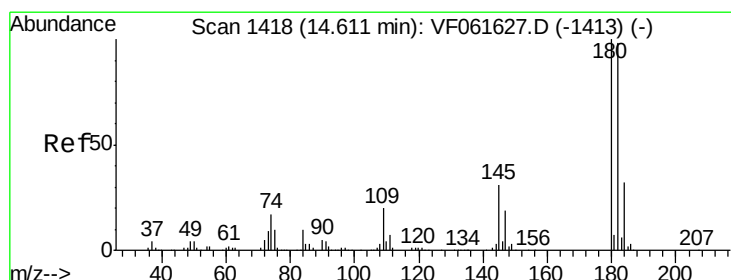
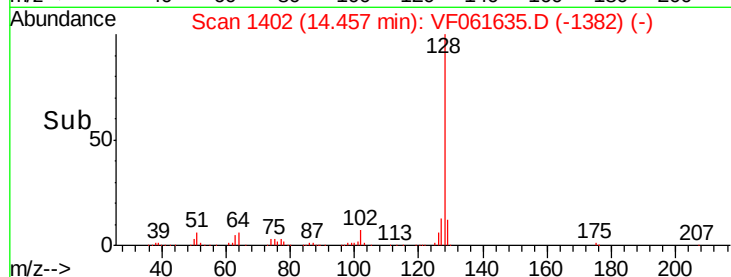
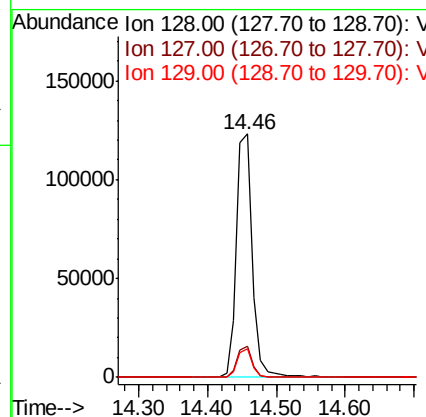
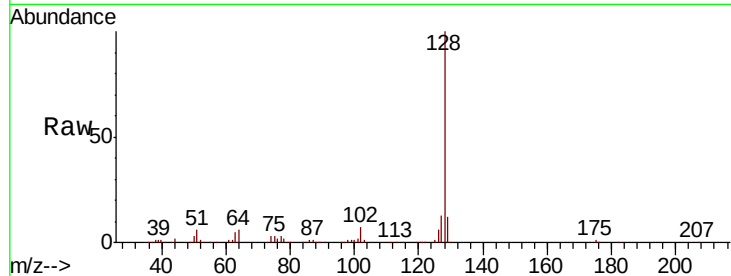
#95
Naphthalene
Concen: 20.996 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :
VF0214SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	197168		
127	12.9	9.8	14.6	
129	11.6	9.4	14.2	

Manual Integrations
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MMDadoda
2/18/2019 12:11:36 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.434 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF061635.D
Acq: 14 Feb 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	105592		
182	96.2	49.0	147.2	
145	32.6	15.4	46.1	

