

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021319\
 Data File : VF061630.D
 Acq On : 13 Feb 2019 19:29
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF021319

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 12:42:18 PM

Quant Time: Feb 14 03:43:17 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	4.88	168	277251	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	402816	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	349581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	196865	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	106916	52.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.18%	
35) Dibromofluoromethane	4.13	113	155615	52.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.04%	
50) Toluene-d8	7.56	98	489951	56.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.96%	
62) 4-Bromofluorobenzene	11.41	95	185126	53.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	160589	50.437	ug/l	99
3) Chloromethane	1.10	50	175150	52.430	ug/l	100
4) Vinyl Chloride	1.15	62	160996	51.841	ug/l	99
5) Bromomethane	1.33	94	117776	55.103	ug/l	97
6) Chloroethane	1.39	64	80111	52.345	ug/l	92
7) Trichlorofluoromethane	1.49	101	194986	52.056	ug/l	94
8) Diethyl Ether	1.63	74	50601	53.605	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	137530	50.896	ug/l	95
10) Methyl Iodide	1.90	142	276880m	53.641	ug/l	
11) Tert butyl alcohol	2.58	59	31119	264.473	ug/l #	91
12) 1,1-Dichloroethene	1.79	96	119947	50.488	ug/l	94
13) Acrolein	2.01	56	41410	280.018	ug/l	93
14) Allyl chloride	2.10	41	184302	63.219	ug/l	95
15) Acrylonitrile	2.95	53	106555	255.308	ug/l	96
16) Acetone	2.24	43	101327	232.286	ug/l	97
17) Carbon Disulfide	1.84	76	391824	52.468	ug/l	100
18) Methyl Acetate	2.35	43	48217	49.066	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	217033	53.453	ug/l	97
20) Methylene Chloride	2.18	84	121524m	52.095	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	130969	50.711	ug/l	99
22) Diisopropyl ether	2.81	45	370185	52.899	ug/l	99
23) Vinyl Acetate	3.19	43	940031	275.021	ug/l	99
24) 1,1-Dichloroethane	2.88	63	223889	52.867	ug/l	99
25) 2-Butanone	4.34	43	253859	266.425	ug/l	95
26) 2,2-Dichloropropane	3.60	77	96409	53.744	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	183645	54.174	ug/l	98
28) Bromochloromethane	3.72	49	105970	52.151	ug/l	95
29) Tetrahydrofuran	4.08	42	111052	256.429	ug/l	98
30) Chloroform	3.87	83	250794	52.074	ug/l	97
31) Cyclohexane	3.70	56	238164	51.949	ug/l	95
32) 1,1,1-Trichloroethane	4.11	97	170980	54.196	ug/l	95
36) 1,1-Dichloropropene	4.29	75	221651	55.546	ug/l	96
37) Ethyl Acetate	4.12	43	93822	50.621	ug/l #	82
38) Carbon Tetrachloride	4.00	117	157682	57.226	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	270101	57.234	ug/l	99
40) Benzene	4.64	78	580810	55.646	ug/l	98
41) Methacrylonitrile	4.76	41	51424	54.253	ug/l	95
42) 1,2-Dichloroethane	4.96	62	137991	55.269	ug/l	99
43) Isopropyl Acetate	6.97	43	118336	53.939	ug/l #	96
44) Trichloroethene	5.51	130	183390	54.334	ug/l	100
45) 1,2-Dichloropropane	6.25	63	139886	55.446	ug/l	95
46) Dibromomethane	6.09	93	86296	55.553	ug/l	89
47) Bromodichloromethane	6.40	83	179382	52.733	ug/l	98
48) Methyl methacrylate	6.72	41	77729	58.874	ug/l	93
49) 1,4-Dioxane	6.71	88	13354	1075.973	ug/l	91
51) 4-Methyl-2-Pentanone	8.27	43	418586	267.023	ug/l	98
52) Toluene	7.63	92	340765	53.832	ug/l	96
53) t-1,3-Dichloropropene	8.29	75	152973	54.032	ug/l	97
54) cis-1,3-Dichloropropene	7.31	75	212045	56.230	ug/l	99
55) 1,1,2-Trichloroethane	8.50	97	104060	55.950	ug/l	96
56) Ethyl methacrylate	8.62	69	115153	55.611	ug/l	94
57) 1,3-Dichloropropane	8.86	76	164570	53.013	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	102335	286.436	ug/l	96
59) 2-Hexanone	9.50	43	295020	268.481	ug/l	95
60) Dibromochloromethane	8.72	129	145436	56.181	ug/l	96
61) 1,2-Dibromoethane	9.00	107	110500	54.777	ug/l	98
64) Tetrachloroethene	8.16	164	159954	55.978	ug/l	98
65) Chlorobenzene	9.81	112	393874	55.524	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	151403	54.467	ug/l	98
67) Ethyl Benzene	9.91	91	634890	53.818	ug/l	98
68) m/p-Xylenes	10.14	106	472293	104.609	ug/l	99
69) o-Xylene	10.72	106	268040	55.638	ug/l	99
70) Styrene	10.79	104	376880	55.299	ug/l	99
71) Bromoform	10.78	173	82773	54.837	ug/l	96
73) Isopropylbenzene	11.13	105	776669	55.411	ug/l	99
74) N-amyl acetate	11.38	43	186523	55.442	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	134856	53.704	ug/l	99
76) 1,2,3-Trichloropropane	11.80	75	87952	51.517	ug/l	99
77) Bromobenzene	11.50	156	190141	54.912	ug/l	95
78) n-propylbenzene	11.60	91	853830	53.085	ug/l	100
79) 2-Chlorotoluene	11.73	91	460026	51.069	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	592630	52.902	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	44825m	54.766	ug/l	
82) 4-Chlorotoluene	11.91	91	480132	51.352	ug/l	98
83) tert-Butylbenzene	12.13	119	661572	53.318	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	596774	53.621	ug/l	99
85) sec-Butylbenzene	12.31	105	848709	52.894	ug/l	98
86) p-Isopropyltoluene	12.47	119	710063	52.730	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	350488	51.920	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	356282	54.879	ug/l	98
89) n-Butylbenzene	12.84	91	684568	53.836	ug/l	99
90) Hexachloroethane	12.92	117	172544	55.094	ug/l	97
91) 1,2-Dichlorobenzene	12.94	146	326870	50.908	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	21078	52.943	ug/l	99

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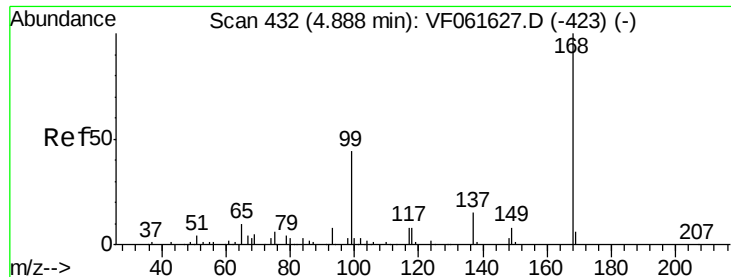
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	238154	51.747	ug/l	99
94) Hexachlorobutadiene	14.20	225	151573	53.326	ug/l	98
95) Naphthalene	14.46	128	435277	54.056	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	226600	53.643	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

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ClientSampleId :

ICVVF021319

Tot Ion:168 Resp: 277251

Ion Ratio Lower Upper

168 100

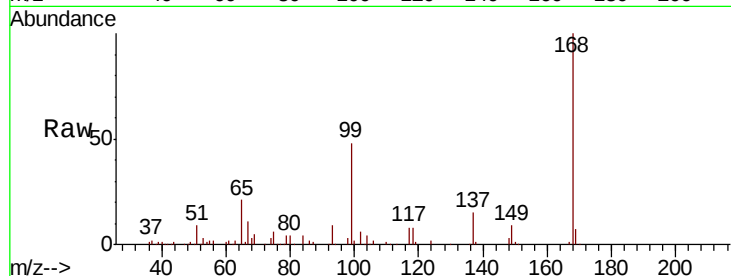
99 48.2 34.9 52.3

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

4.88

100000

80000

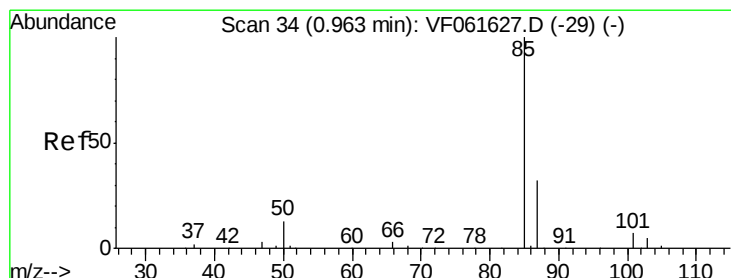
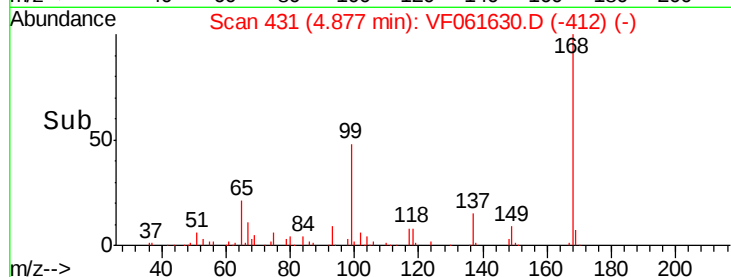
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 50.437 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061630.D

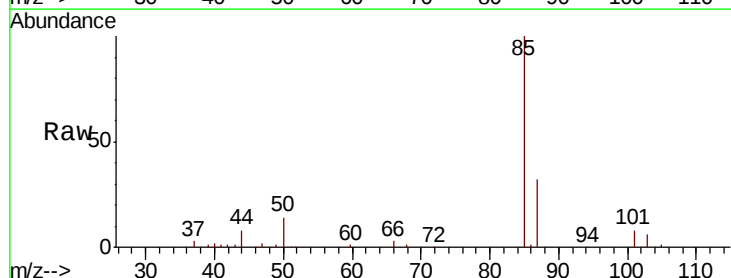
Acq: 13 Feb 2019 19:29

Tgt Ion: 85 Resp: 160589

Ion Ratio Lower Upper

85 100

87 31.6 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

50000

40000

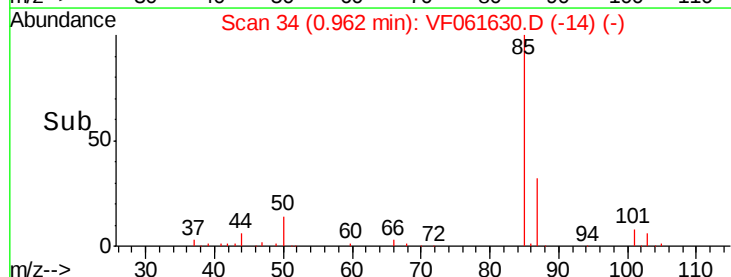
30000

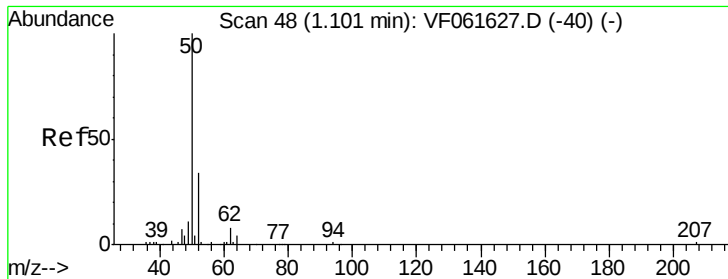
20000

10000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 52.430 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

Tot Ion: 50 Resp: 175150

Ion Ratio Lower Upper

50 100

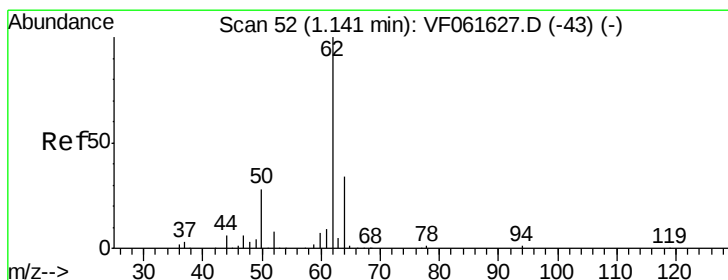
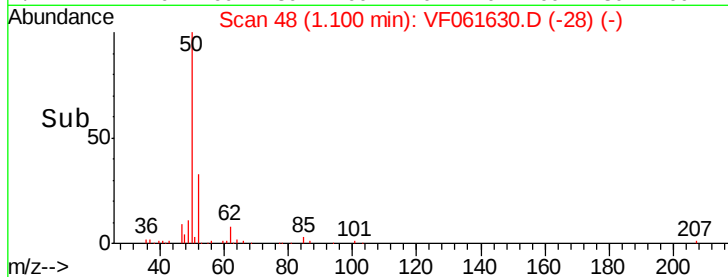
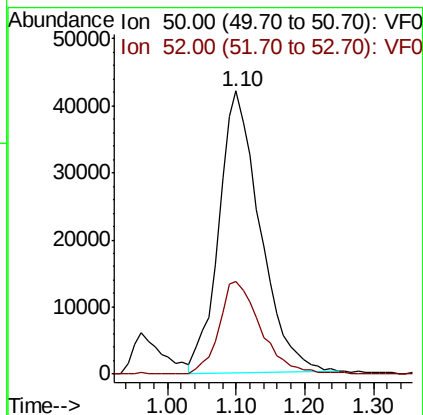
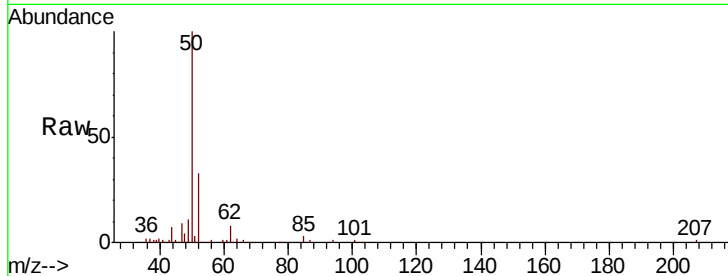
52 32.8 26.2 39.4

Manual Integrations

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2/14/2019 12:42:18 PM



#4

Vinyl Chloride

Concen: 51.841 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.01 min

Lab File: VF061630.D

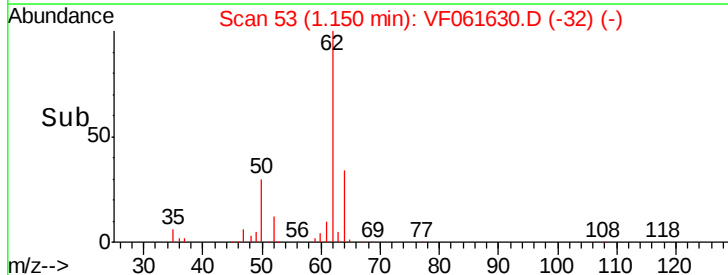
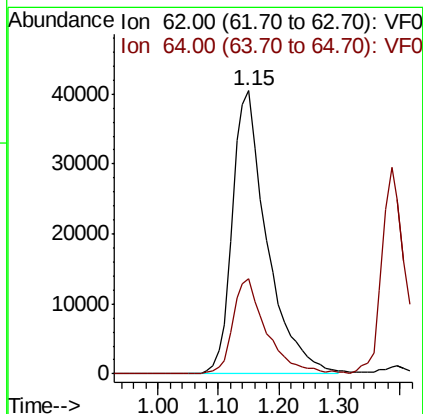
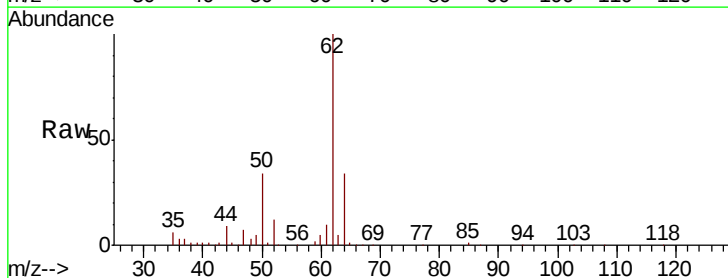
Acq: 13 Feb 2019 19:29

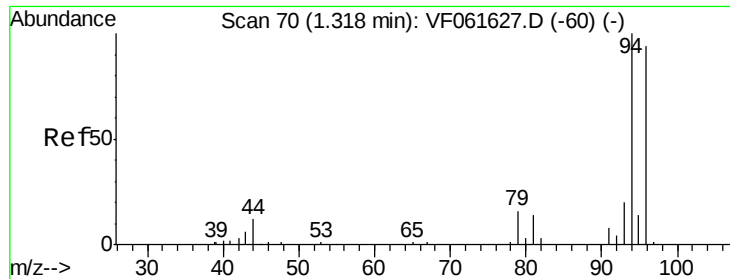
Tgt Ion: 62 Resp: 160996

Ion Ratio Lower Upper

62 100

64 33.7 27.5 41.3





#5

Bromomethane

Concen: 55.103 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

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Tot Ion: 94 Resp: 117776

Ion Ratio Lower Upper

94 100

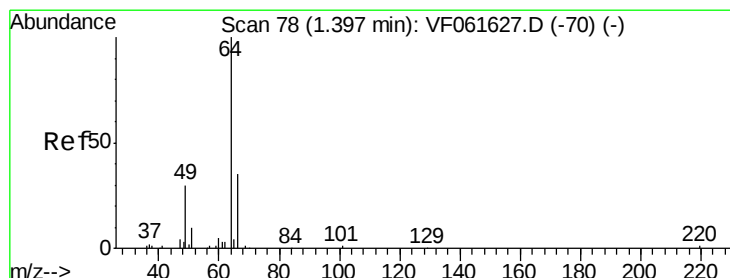
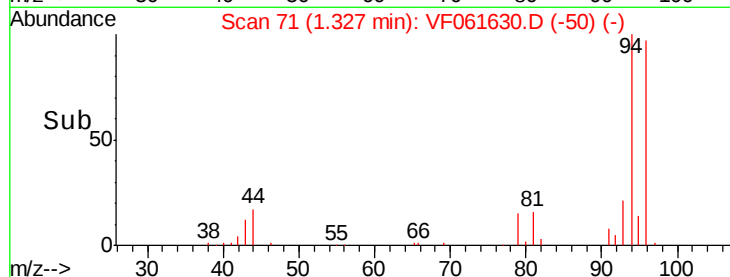
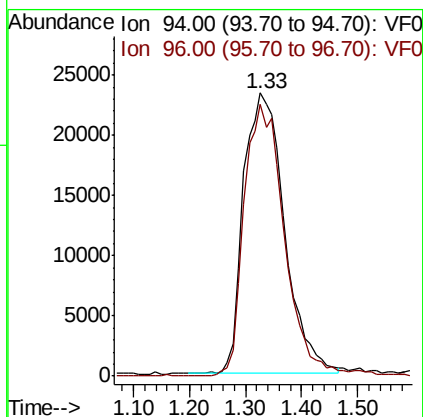
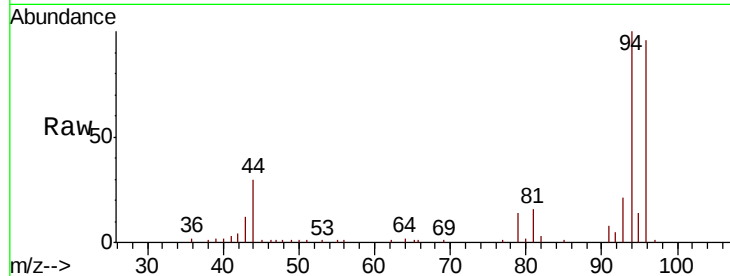
96 96.1 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 52.345 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061630.D

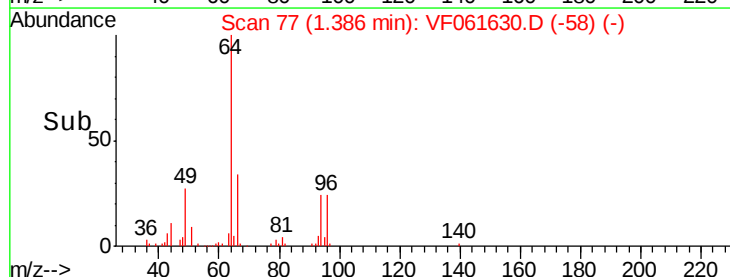
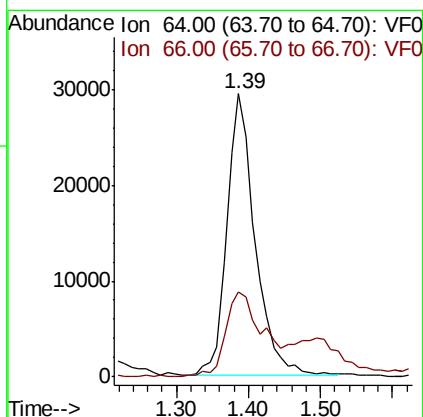
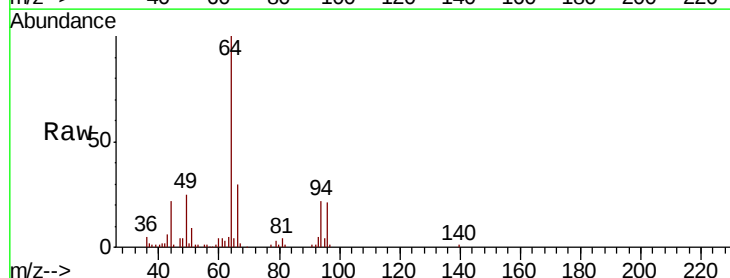
Acq: 13 Feb 2019 19:29

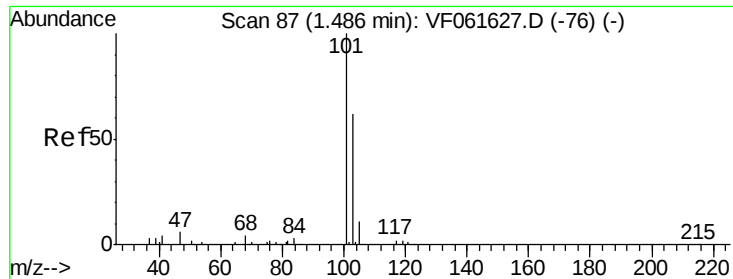
Tgt Ion: 64 Resp: 80111

Ion Ratio Lower Upper

64 100

66 30.1 27.9 41.9





#7

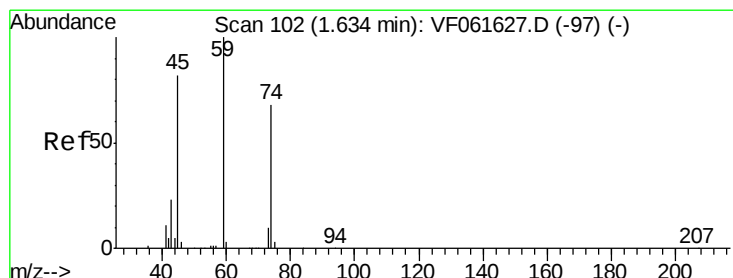
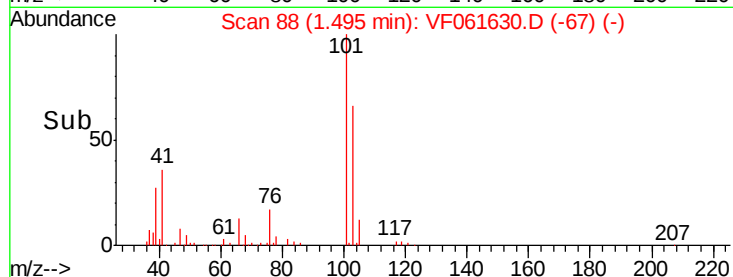
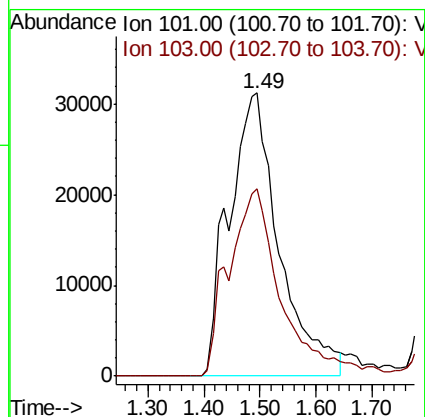
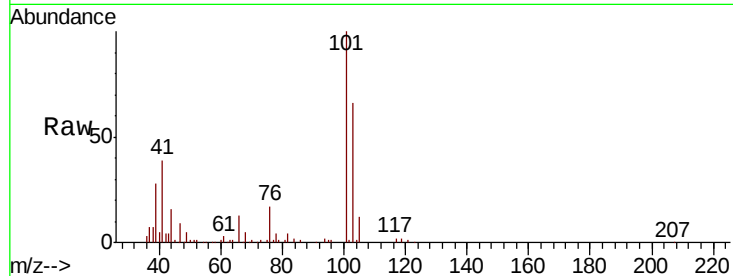
Trichlorofluoromethane
 Concen: 52.056 ug/l
 RT: 1.49 min Scan# 88
 Delta R.T. 0.01 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		194986		
103	66.3	49.3	73.9		

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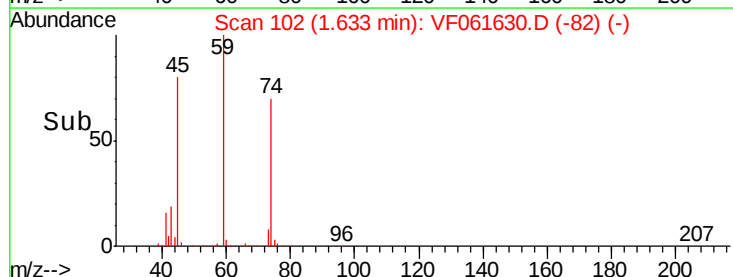
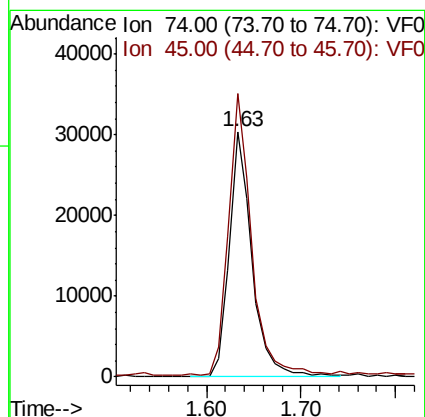
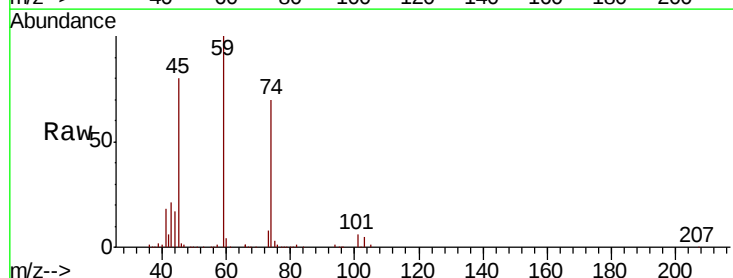
MMDadoda
 2/14/2019 12:42:18 PM

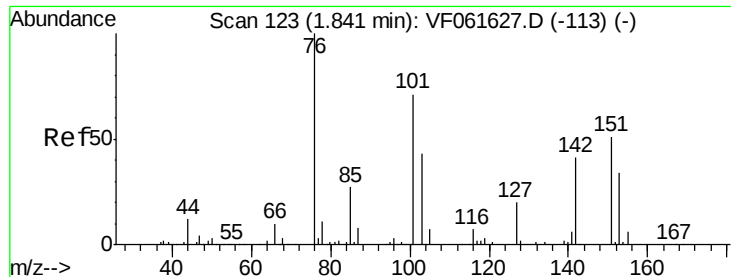


#8

Diethyl Ether
 Concen: 53.605 ug/l
 RT: 1.63 min Scan# 102
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		50601		
45	115.5	60.8	182.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.896 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

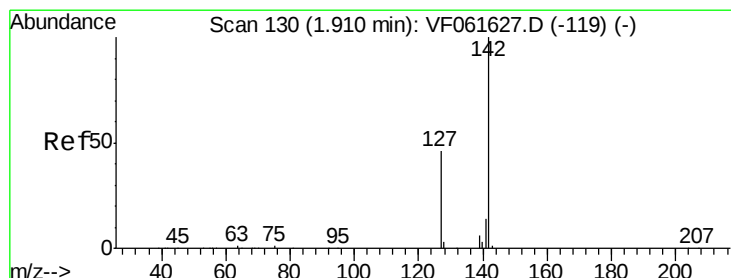
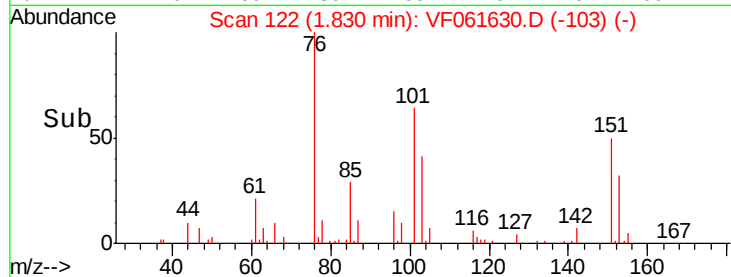
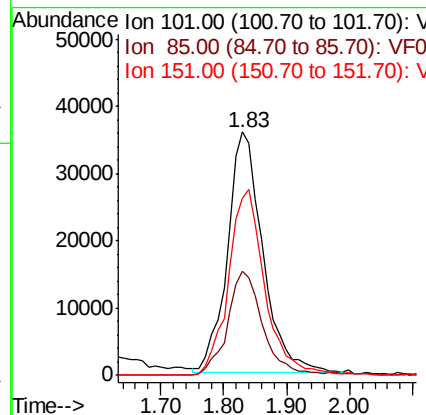
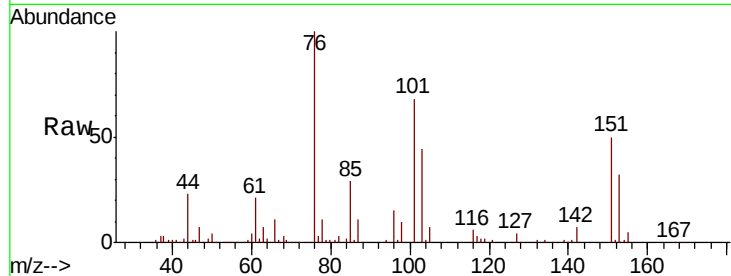
ClientSampleId :

ICVVF021319

Tot Ion:	101	Resp:	137530
Ion Ratio	Lower	Upper	
101	100		
85	42.5	29.8	44.6
151	72.7	56.3	84.5

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#10

Methyl Iodide

Concen: 53.641 ug/l m

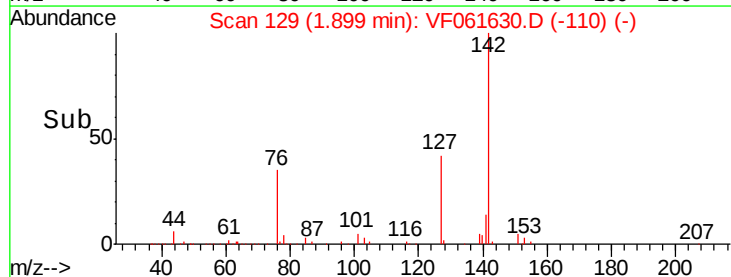
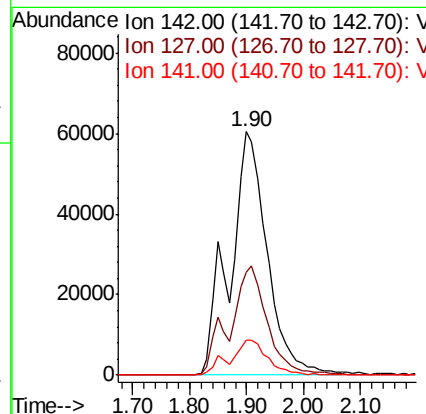
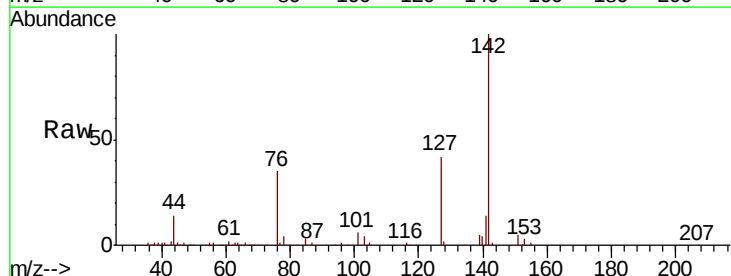
RT: 1.90 min Scan# 129

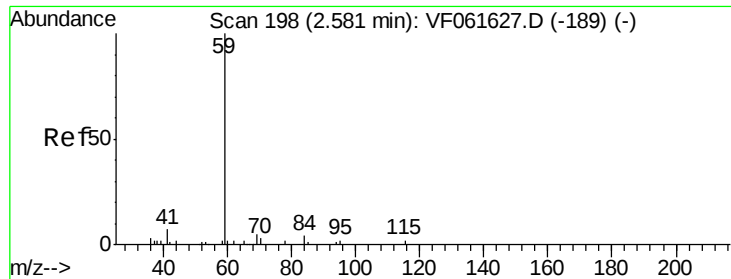
Delta R.T. -0.01 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Tgt Ion:	142	Resp:	276880
Ion Ratio	Lower	Upper	
142	100		
127	42.2	36.6	55.0
141	14.2	11.0	16.6





#11

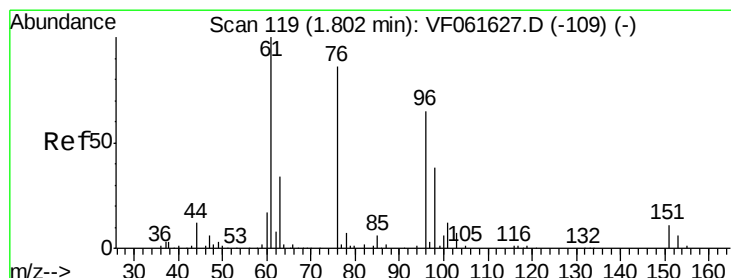
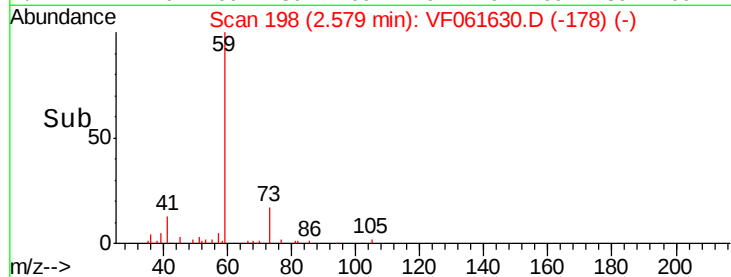
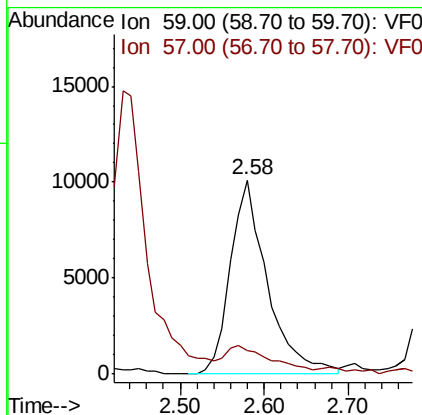
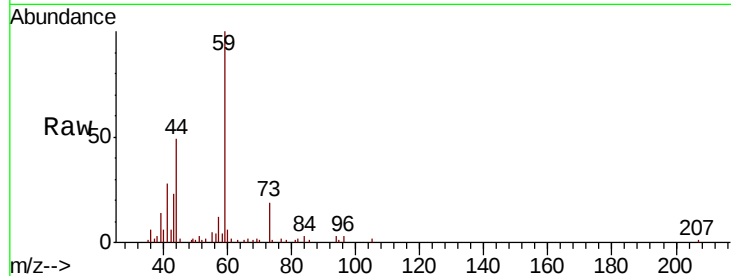
Tert butyl alcohol
Concen: 264.473 ug/l
RT: 2.58 min Scan# 198
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

Tot Ion	59.00	Resp	31119
Ion Ratio	100	Lower	Upper
59	100		
57	11.9	12.5	18.7#

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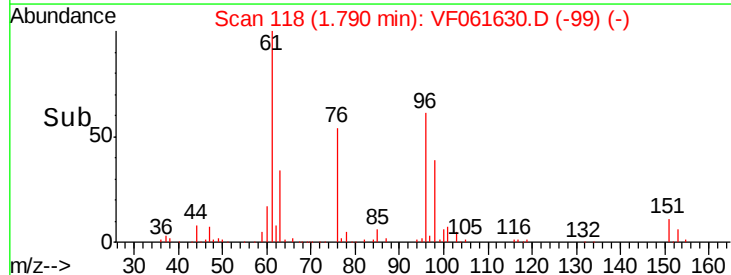
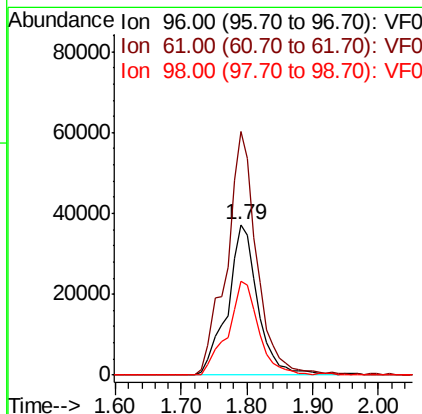
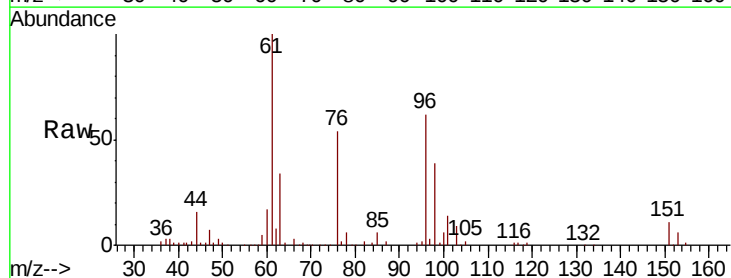
MMDadoda
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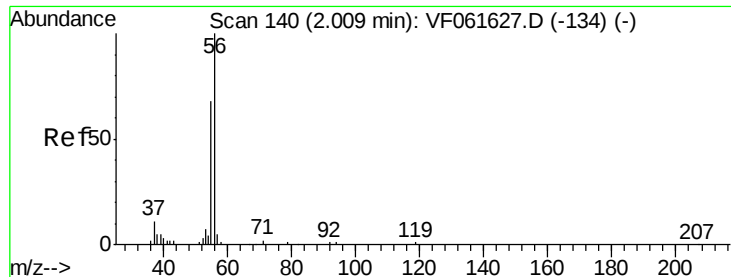


#12

1,1-Dichloroethene
Concen: 50.488 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion	96.00	Resp	119947
Ion Ratio	100	Lower	Upper
96	100		
61	162.0	122.6	184.0
98	62.7	47.2	70.8





#13

Acrolein

Concen: 280.018 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

Tot Ion: 56 Resp: 41410

Ion Ratio Lower Upper

56 100

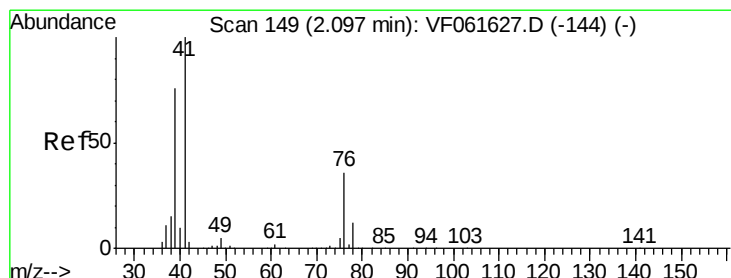
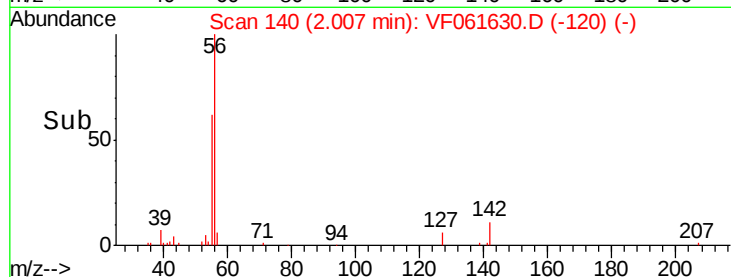
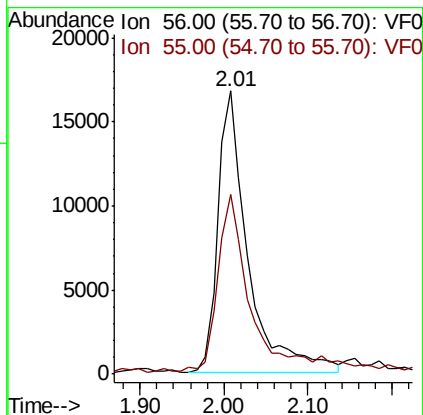
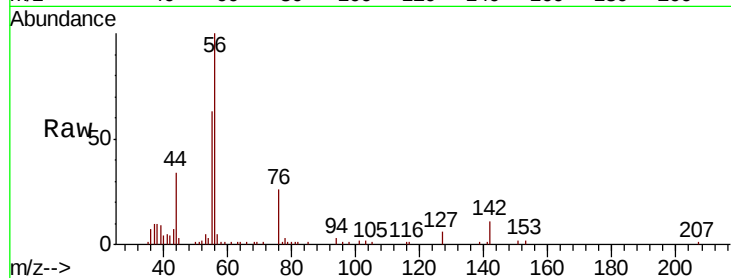
55 63.4 55.0 82.6

Manual Integrations

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#14

Allyl chloride

Concen: 63.219 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

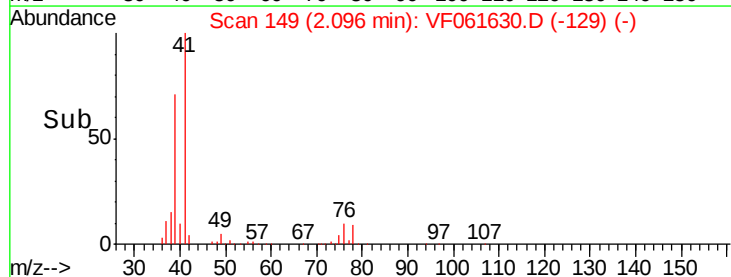
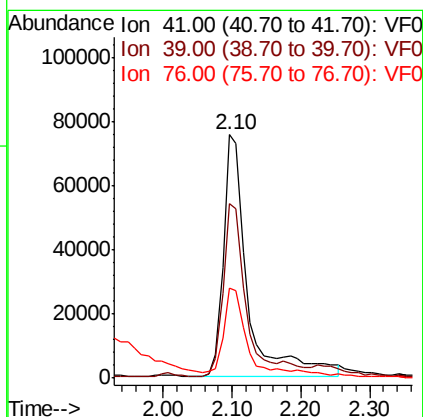
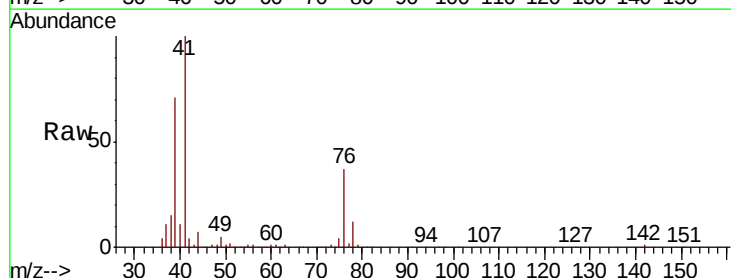
Tgt Ion: 41 Resp: 184302

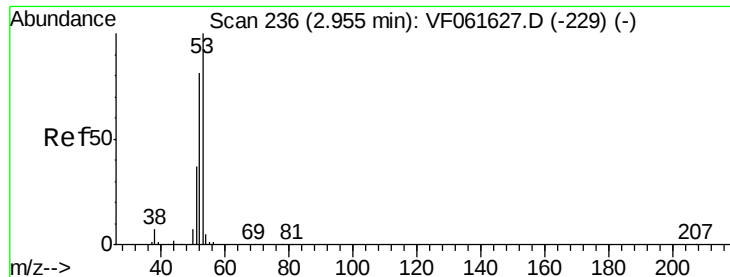
Ion Ratio Lower Upper

41 100

39 71.4 61.6 92.4

76 37.0 30.3 45.5





#15

Acrylonitrile

Concen: 255.308 ug/l

RT: 2.95 min Scan# 236

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

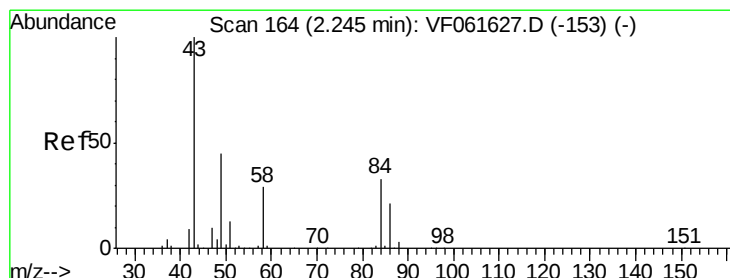
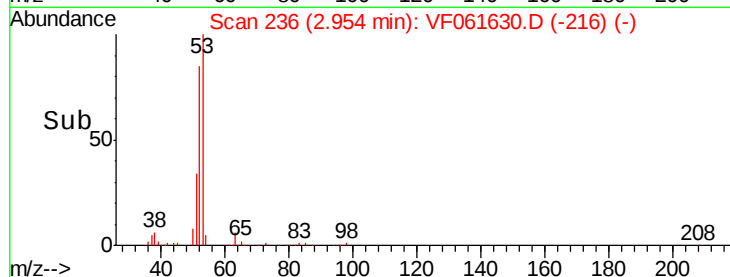
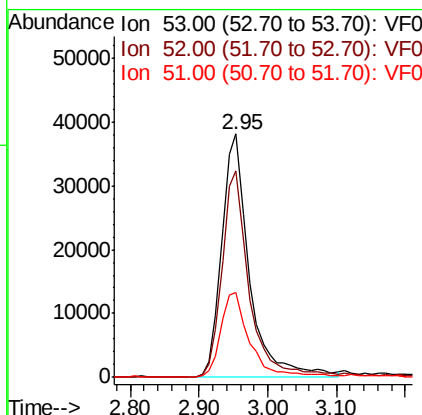
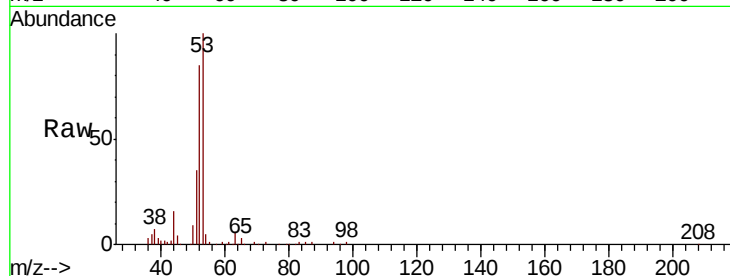
ClientSampleId :

ICVVF021319

Tot Ion:	53	Resp:	106555
Ion Ratio	Lower	Upper	
53	100		
52	84.6	64.6	97.0
51	34.7	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 232.286 ug/l

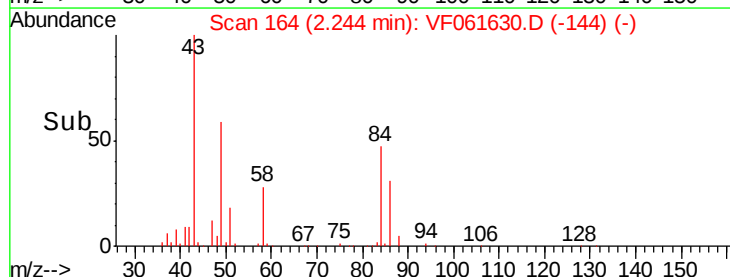
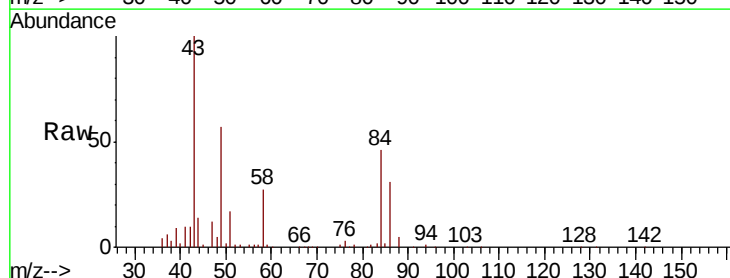
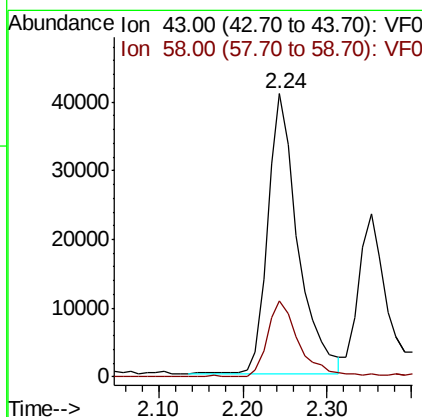
RT: 2.24 min Scan# 164

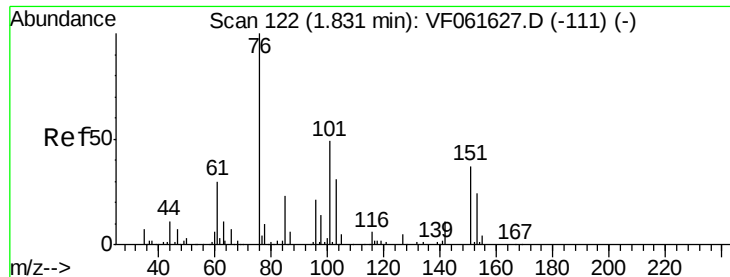
Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Tgt Ion:	43	Resp:	101327
Ion Ratio	Lower	Upper	
43	100		
58	27.1	22.9	34.3





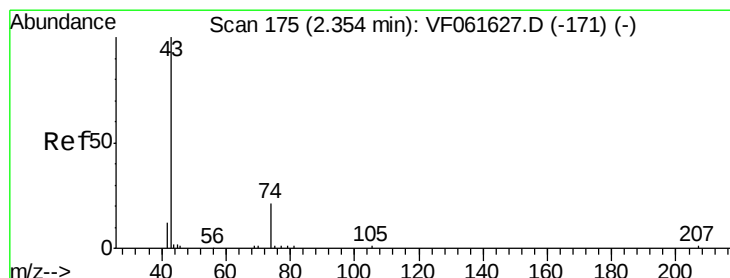
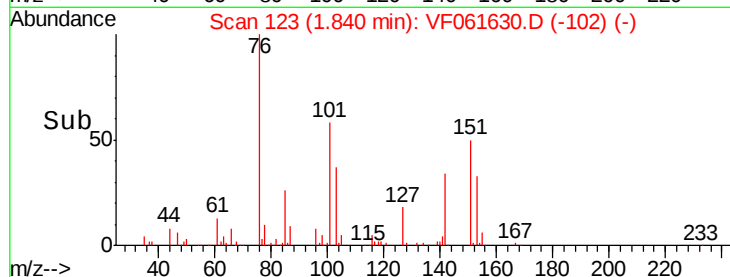
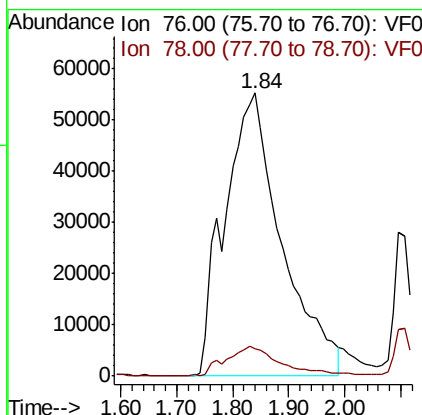
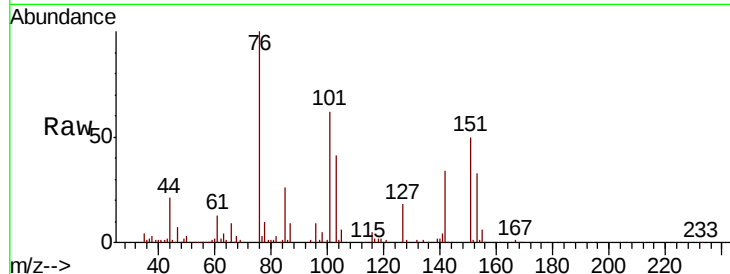
#17
Carbon Disulfide
Concen: 52.468 ug/l
RT: 1.84 min Scan# 123
Delta R.T. 0.01 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

Tot Ion: 76 Resp: 391824
Ion Ratio Lower Upper
76 100
78 9.7 7.9 11.9

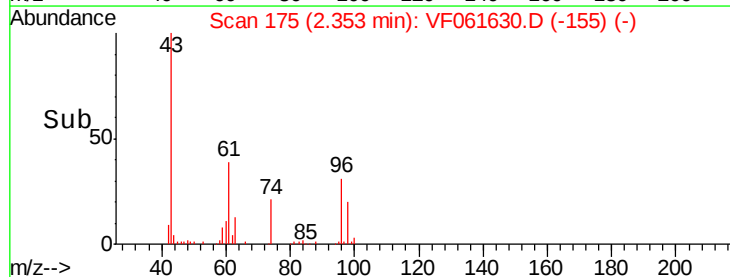
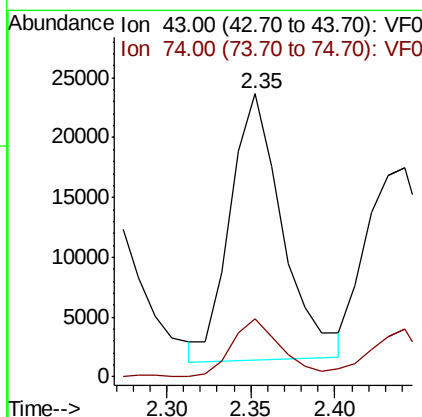
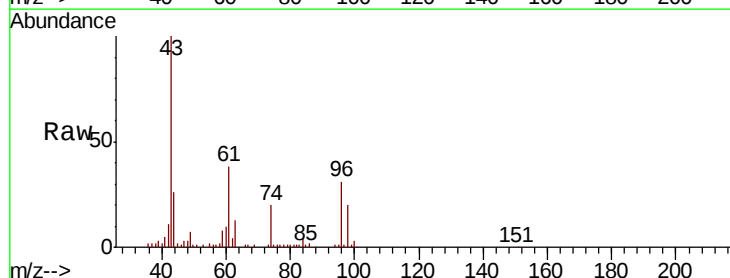
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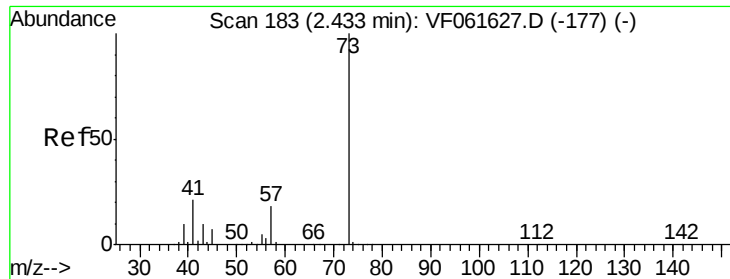
MMDadoda
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#18
Methyl Acetate
Concen: 49.066 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion: 43 Resp: 48217
Ion Ratio Lower Upper
43 100
74 20.4 14.6 21.8





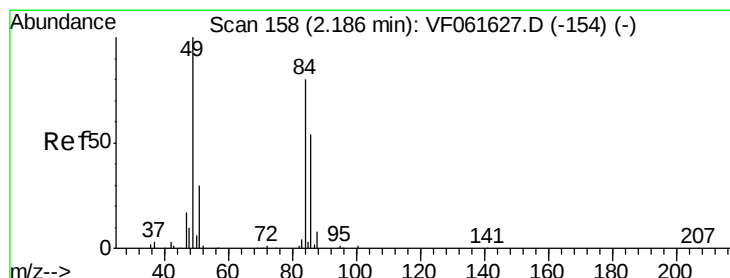
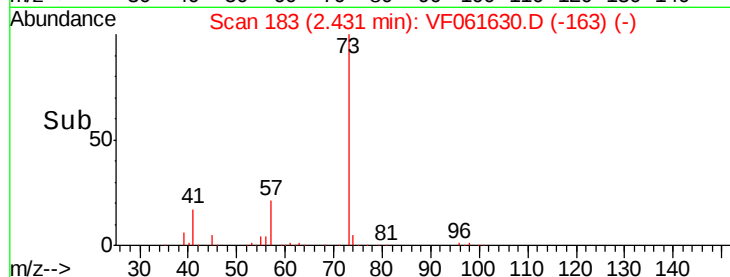
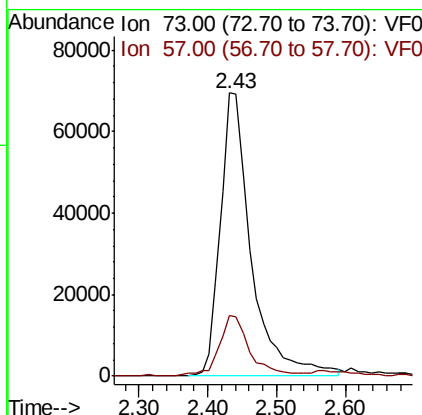
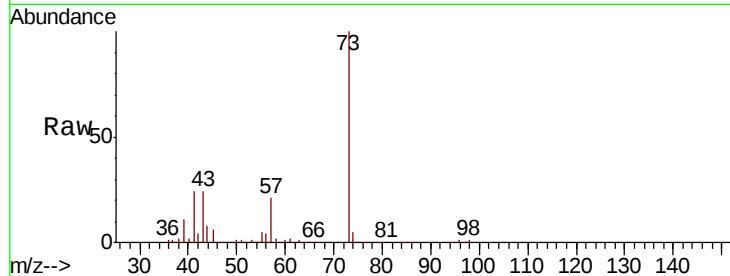
#19
Methyl tert-butyl Ether
Concen: 53.453 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	15.8	23.8

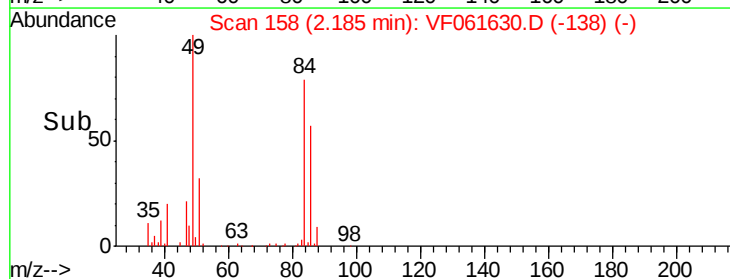
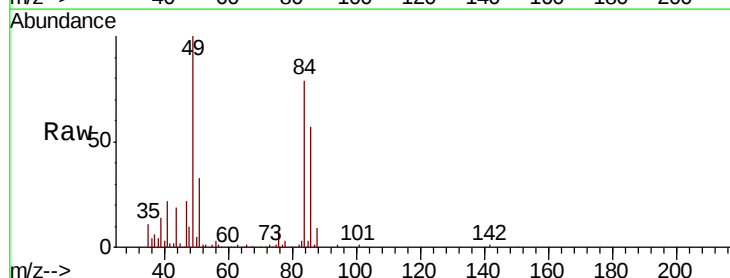
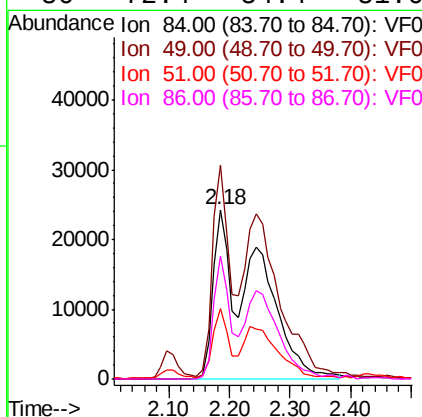
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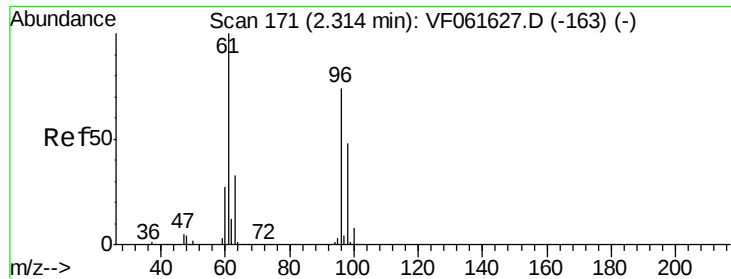
MMDadoda
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#20
Methylene Chloride
Concen: 52.095 ug/l m
RT: 2.18 min Scan# 158
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.4	101.8	152.8
51	41.3	31.1	46.7
86	72.4	54.4	81.6





#21

trans-1,2-Dichloroethene

Concen: 50.711 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

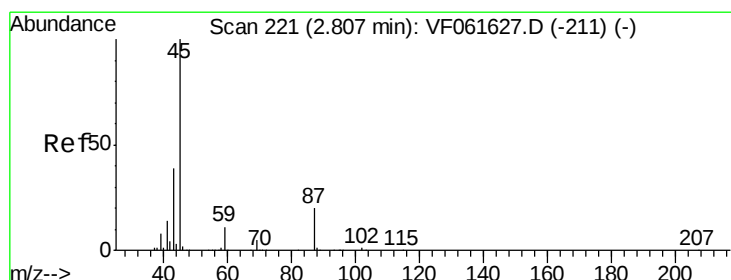
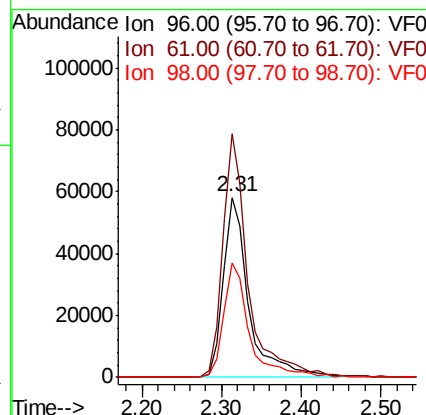
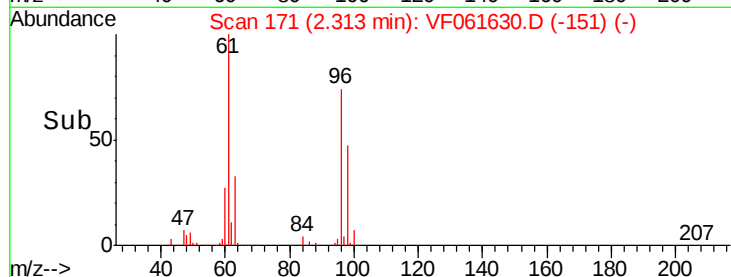
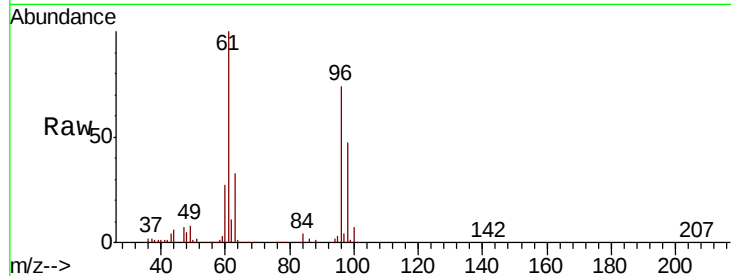
ClientSampleId :

ICVVF021319

Tot Ion:	96	Resp:	130969
Ion	Ratio	Lower	Upper
96	100		
61	135.3	108.2	162.4
98	63.5	52.2	78.2

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#22

Diisopropyl ether

Concen: 52.899 ug/l

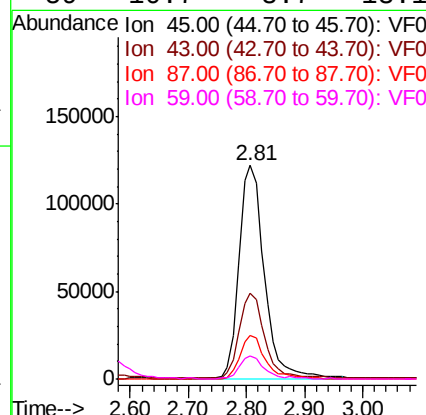
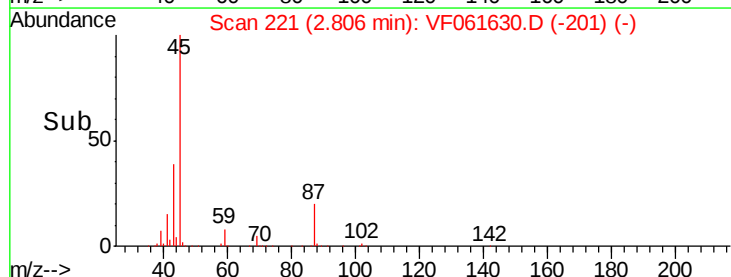
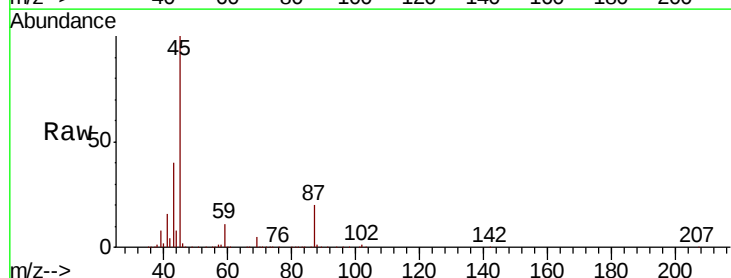
RT: 2.81 min Scan# 221

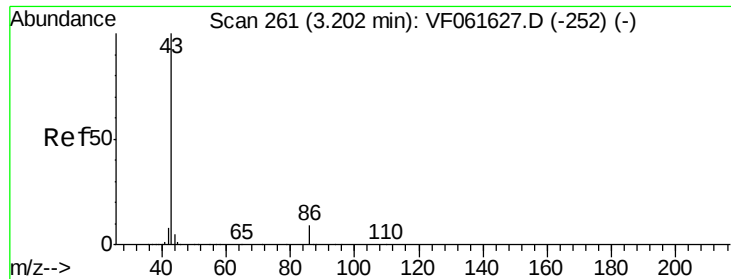
Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Tgt Ion:	45	Resp:	370185
Ion	Ratio	Lower	Upper
45	100		
43	40.2	31.4	47.2
87	20.1	16.3	24.5
59	10.7	8.7	13.1





#23

Vinyl Acetate

Concen: 275.021 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

Tot Ion: 43 Resp: 940031

Ion Ratio Lower Upper

43 100

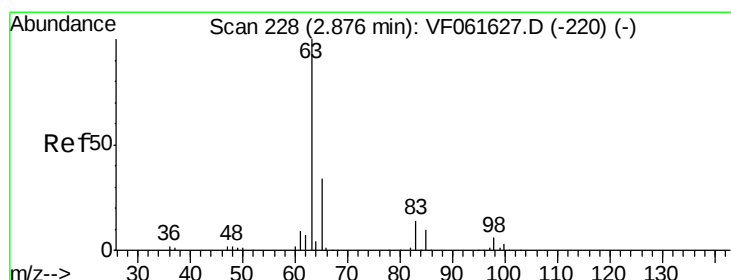
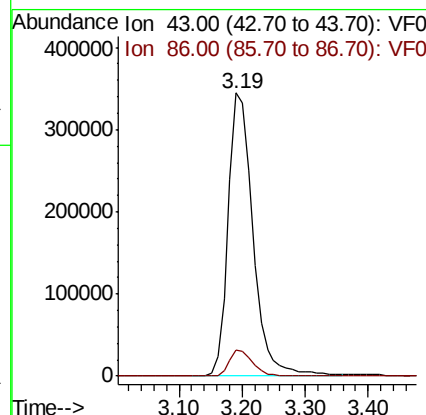
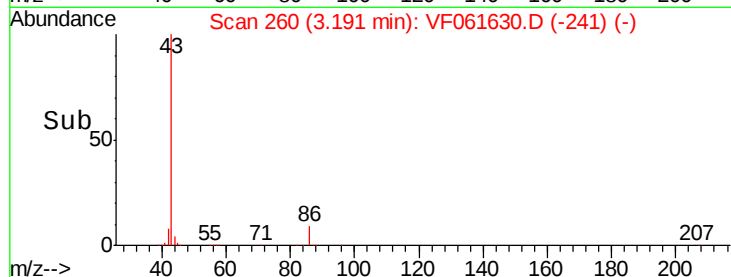
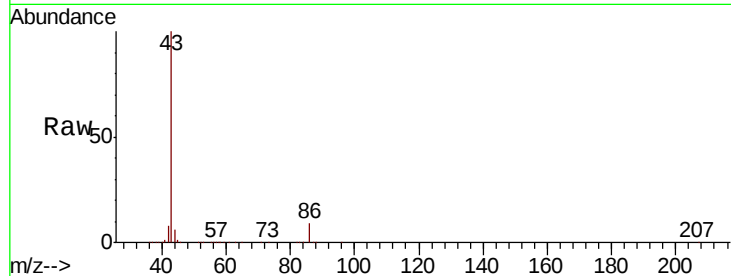
86 9.0 7.5 11.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.867 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

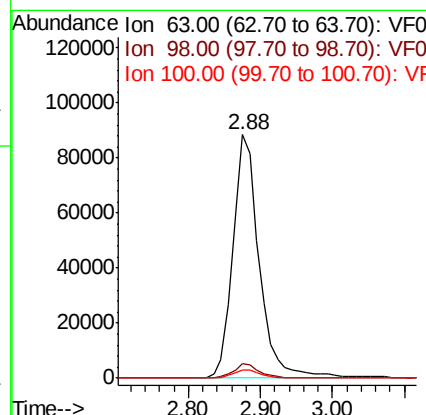
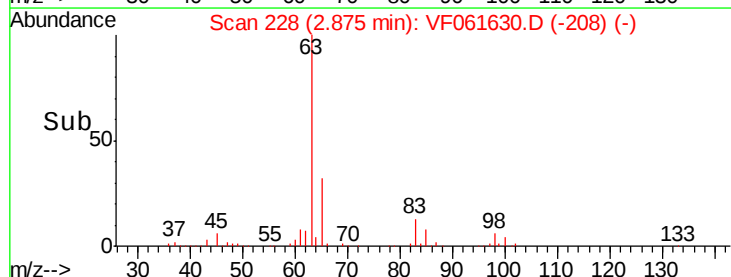
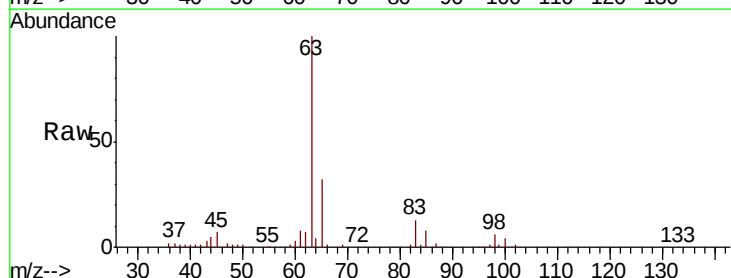
Tgt Ion: 63 Resp: 223889

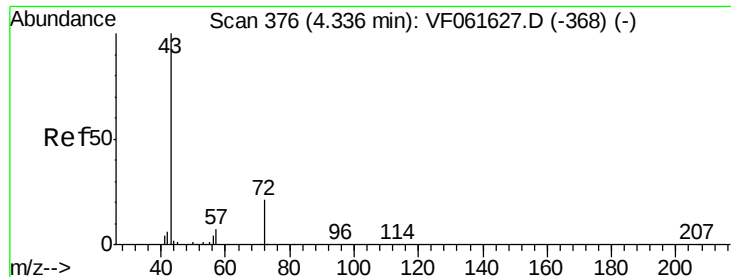
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.3

100 3.5 1.8 5.4





#25

2-Butanone

Concen: 266.425 ug/l

RT: 4.34 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

Tot Ion: 43 Resp: 253859

Ion Ratio Lower Upper

43 100

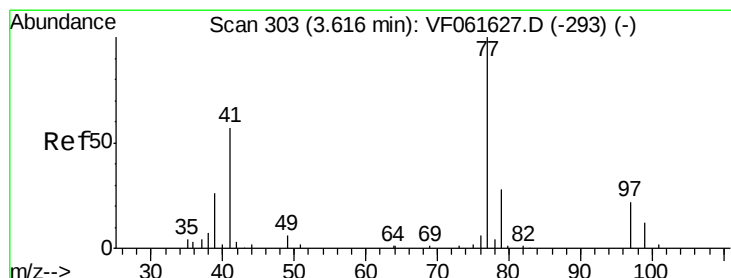
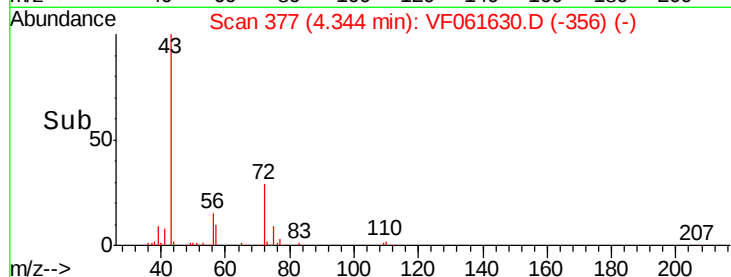
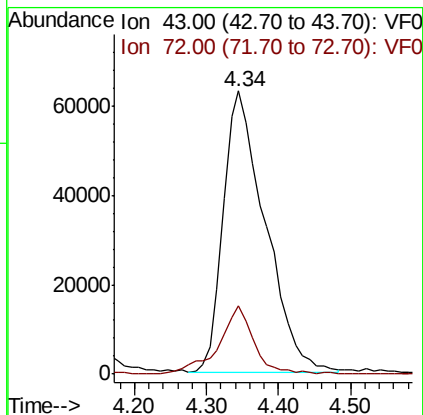
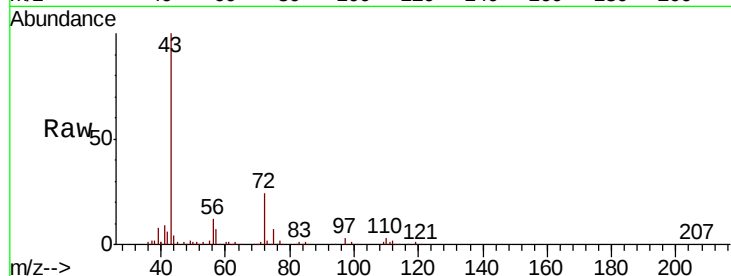
72 23.9 17.1 25.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 53.744 ug/l

RT: 3.60 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF061630.D

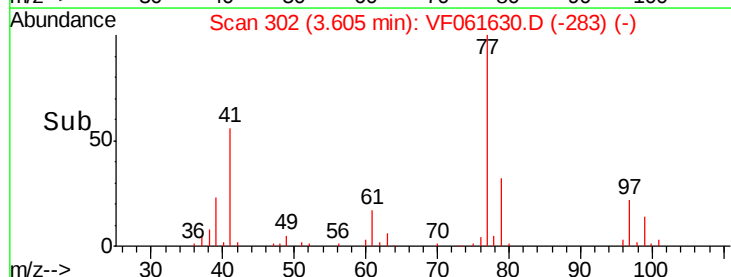
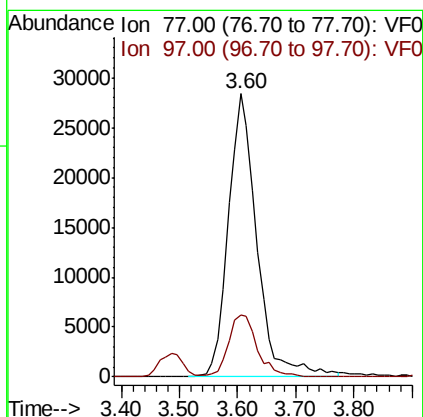
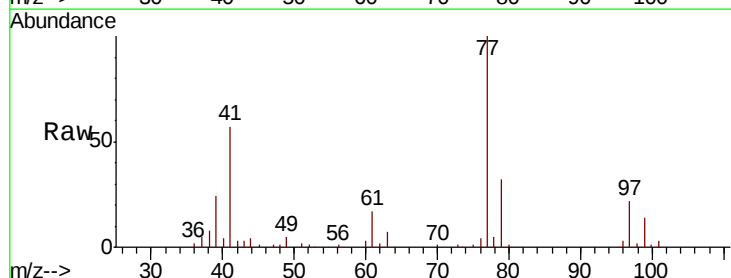
Acq: 13 Feb 2019 19:29

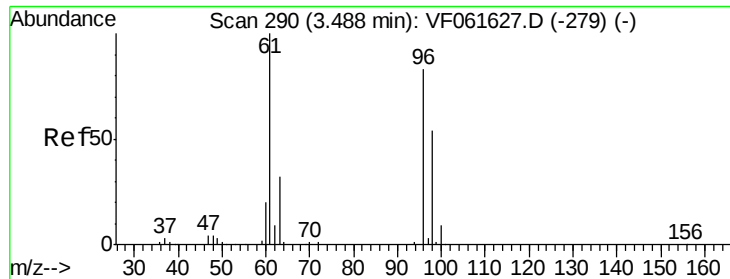
Tgt Ion: 77 Resp: 96409

Ion Ratio Lower Upper

77 100

97 22.0 11.7 35.0





#27

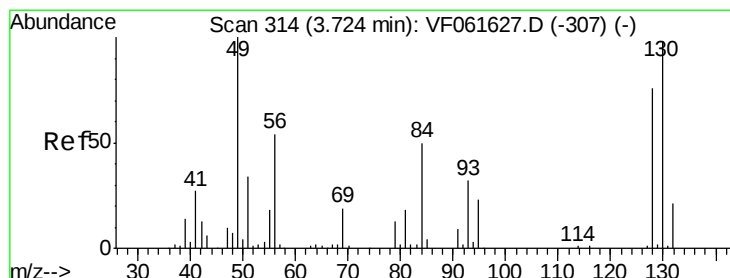
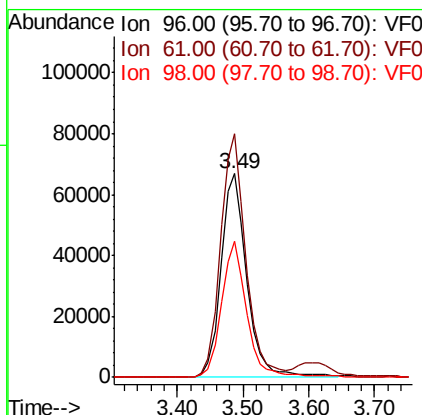
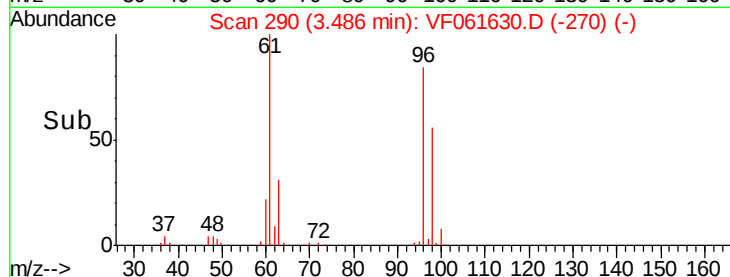
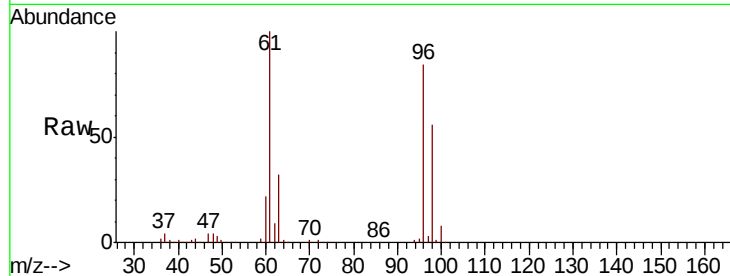
cis-1,2-Dichloroethene
Concen: 54.174 ug/l
RT: 3.49 min Scan# 290
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

Tot Ion	Ratio	Resp	Lower	Upper
96	100	183645		
61	119.5	0.0	241.6	
98	67.1	0.0	130.2	

Manual Integrations
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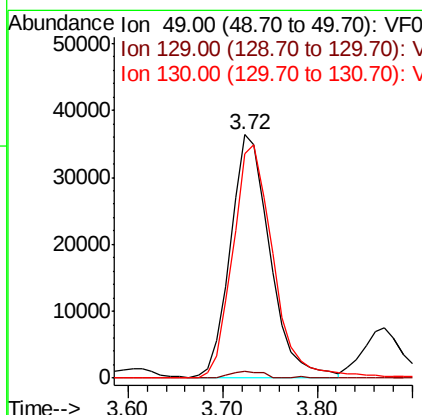
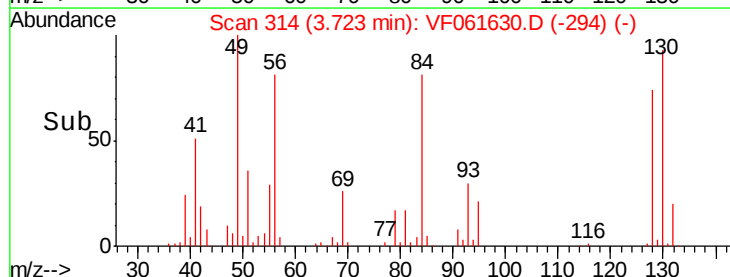
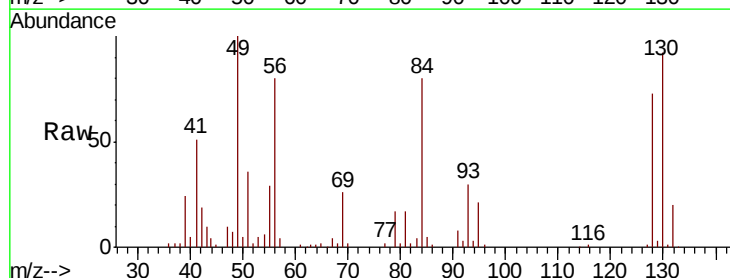
MMDadoda
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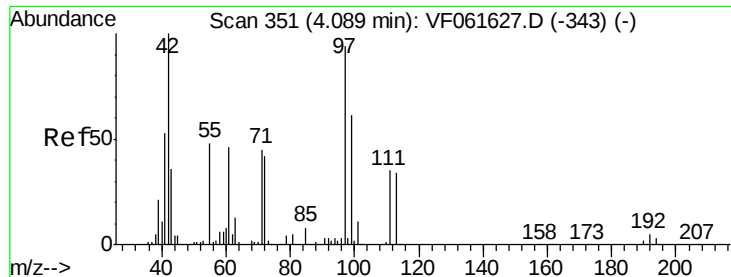


#28

Bromochloromethane
Concen: 52.151 ug/l
RT: 3.72 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	105970		
129	2.6	0.0	3.4	
130	92.0	77.7	116.5	





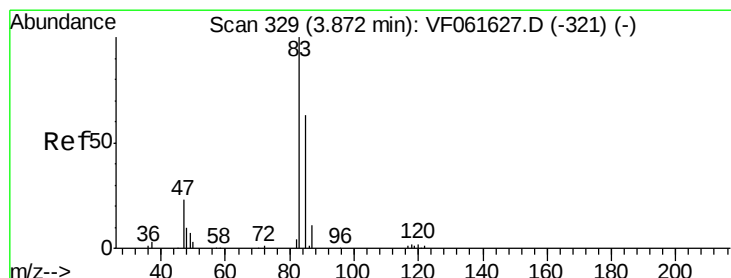
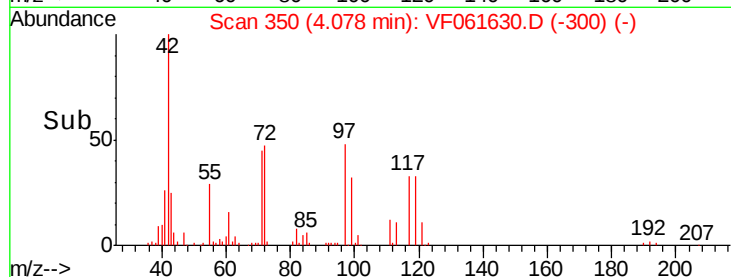
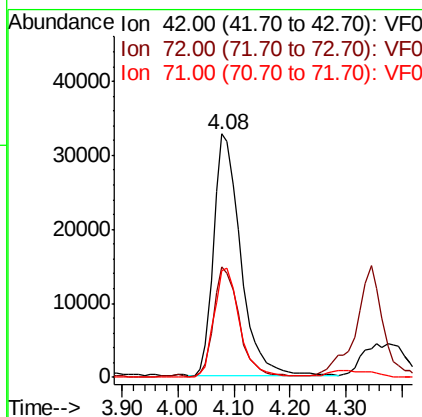
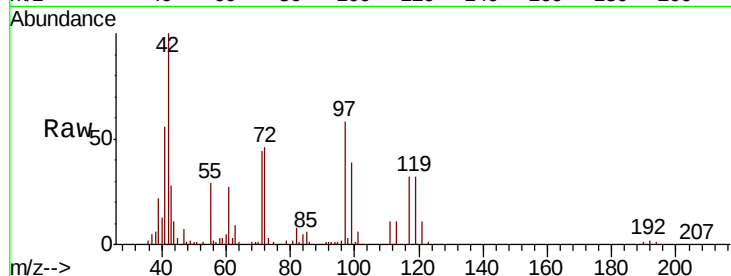
#29
Tetrahydrofuran
Concen: 256.429 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

Tot Ion	Ratio	Resp	Lower	Upper
42	100	111052		
72	43.5		35.2	52.8
71	43.4		32.9	49.3

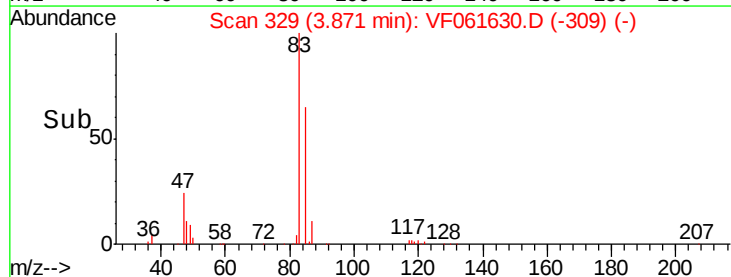
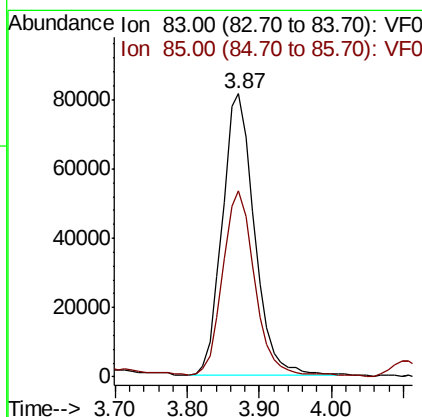
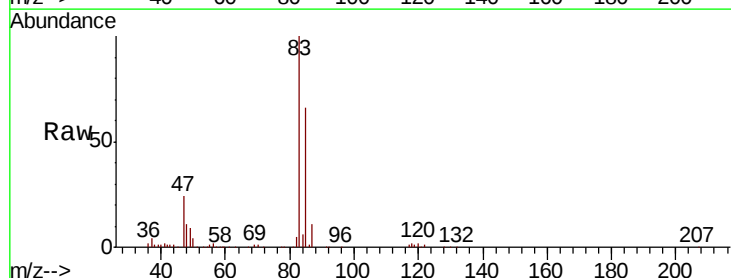
Manual Integrations
APPROVED

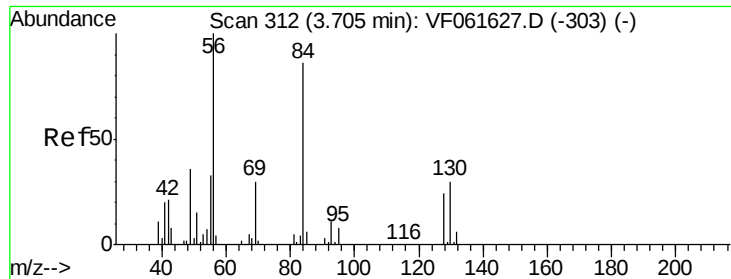
MMDadoda
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#30
Chloroform
Concen: 52.074 ug/l
RT: 3.87 min Scan# 329
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	250794		
85	65.9		51.1	76.7





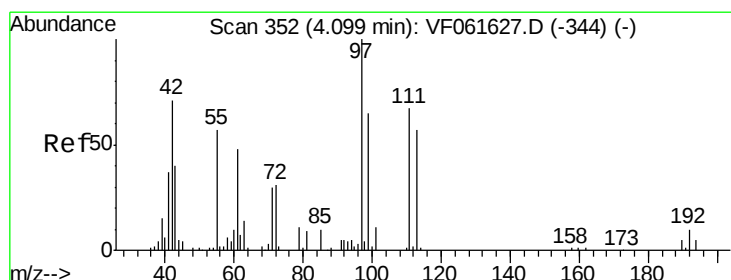
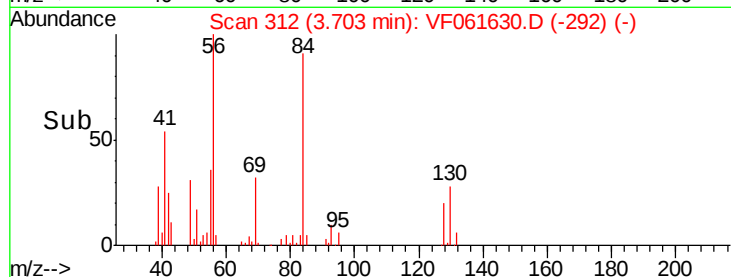
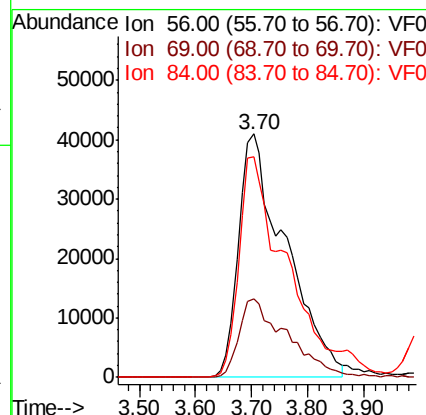
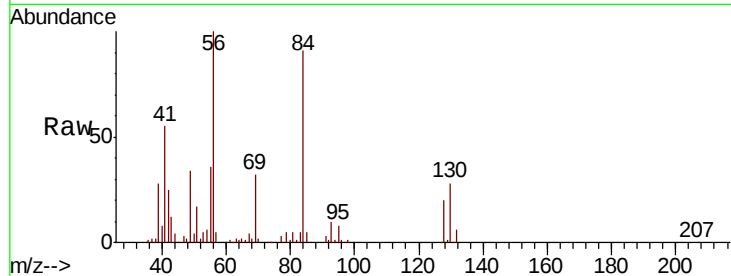
#31
Cyclohexane
Concen: 51.949 ug/l
RT: 3.70 min Scan# 312
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	23.8	35.8
84	90.7	68.6	103.0

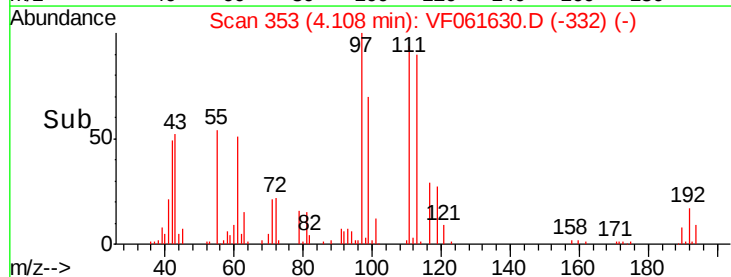
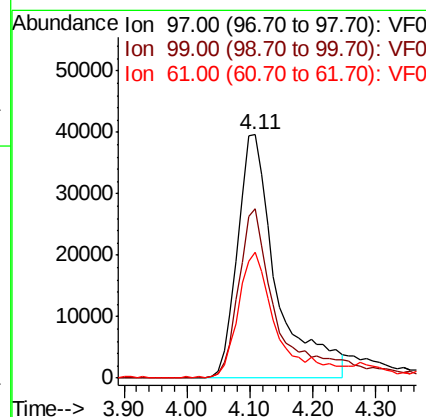
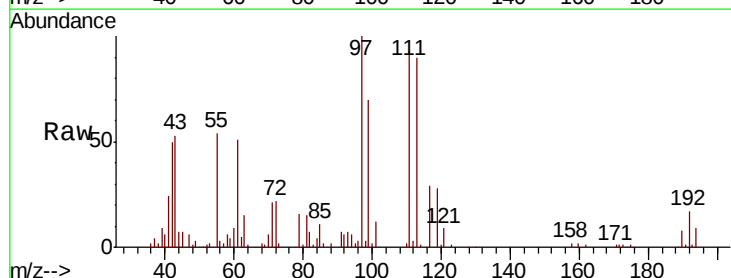
Manual Integrations
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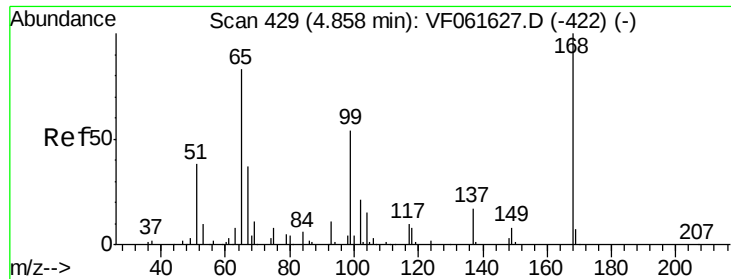
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#32
1,1,1-Trichloroethane
Concen: 54.196 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.01 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	69.5	52.2	78.2
61	51.4	39.2	58.8





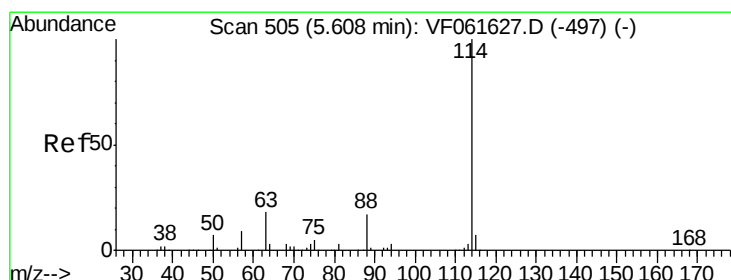
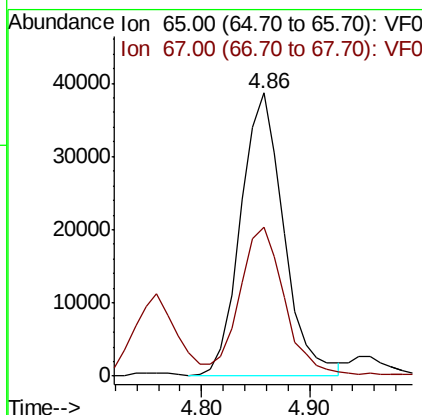
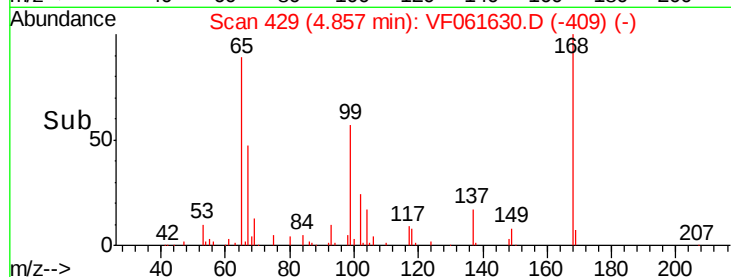
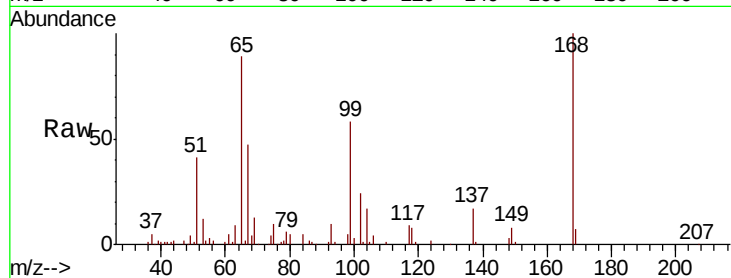
#33
 1,2-Dichloroethane-d4
 Concen: 52.587 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF021319

Tot Ion	Ratio	Resp	Lower	Upper
65	100	106916		
67	52.8	0.0	104.0	

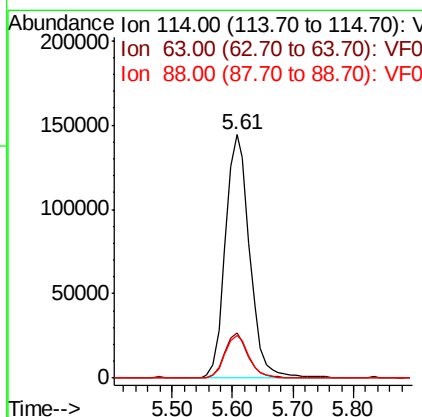
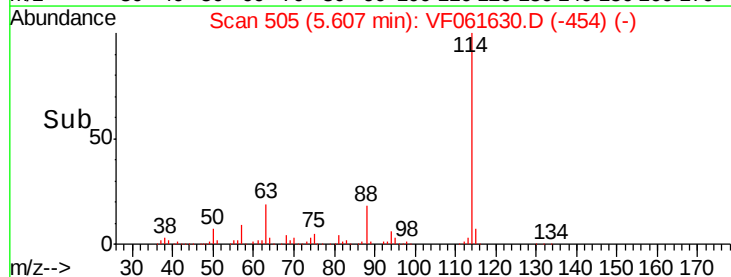
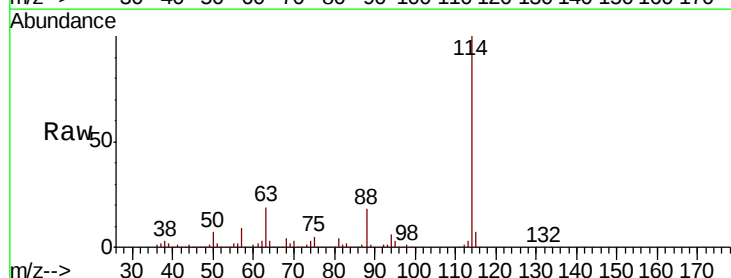
Manual Integrations
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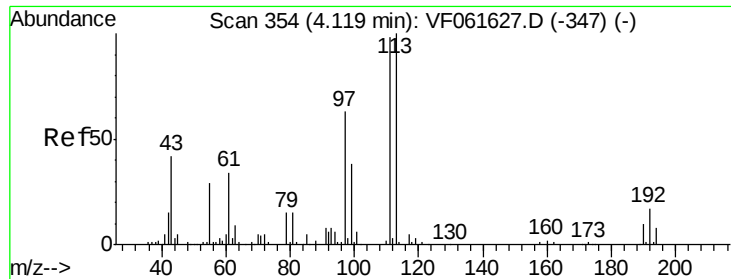
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	402816		
63	18.7	0.0	36.6	
88	17.6	0.0	34.4	





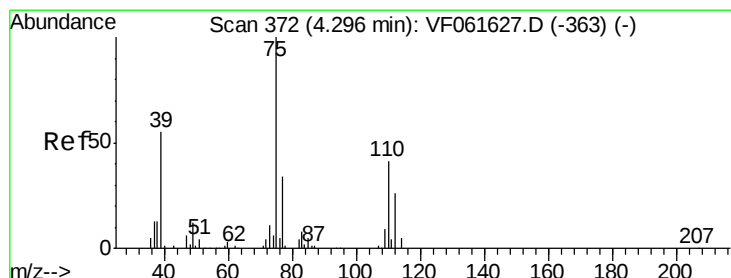
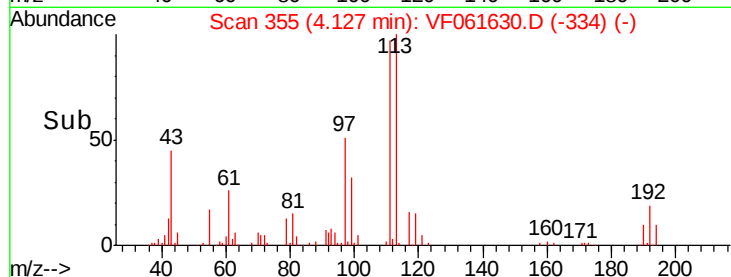
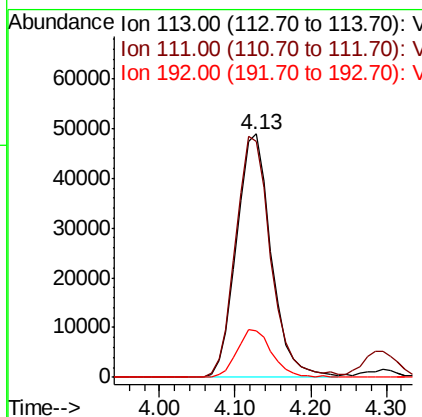
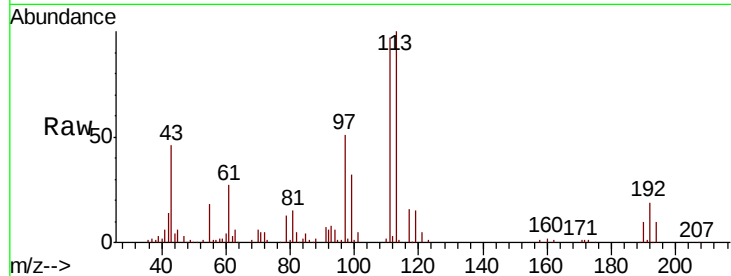
#35
Dibromofluoromethane
Concen: 52.022 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

Tot Ion	Ratio	Resp	Lower	Upper
113	100	155615		
111	96.9	78.8	118.2	
192	19.1	13.4	20.0	

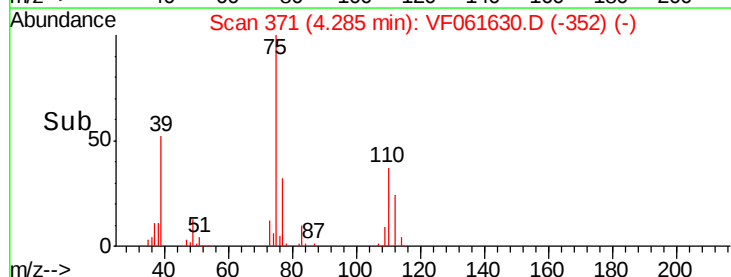
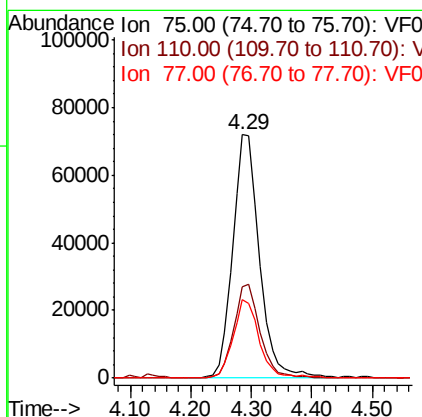
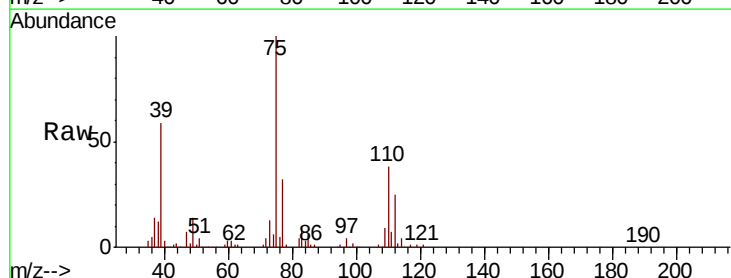
Manual Integrations
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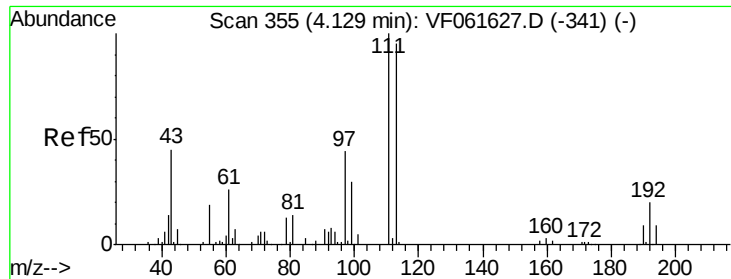
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#36
1,1-Dichloropropene
Concen: 55.546 ug/l
RT: 4.29 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	221651		
110	37.7	20.5	61.6	
77	32.4	27.0	40.4	





#37

Ethyl Acetate

Concen: 50.621 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

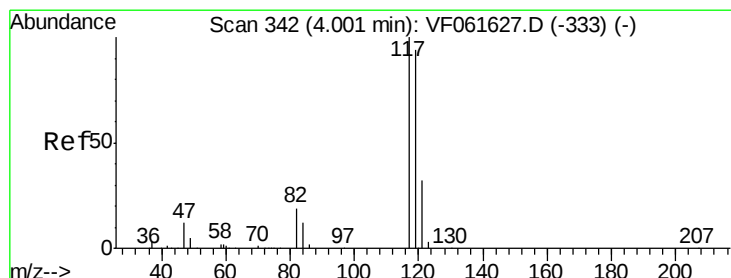
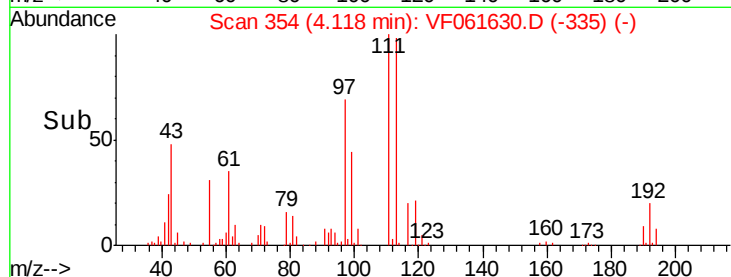
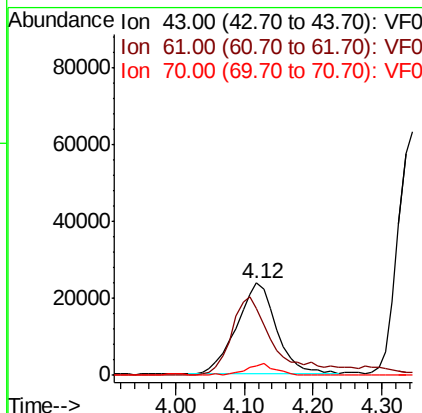
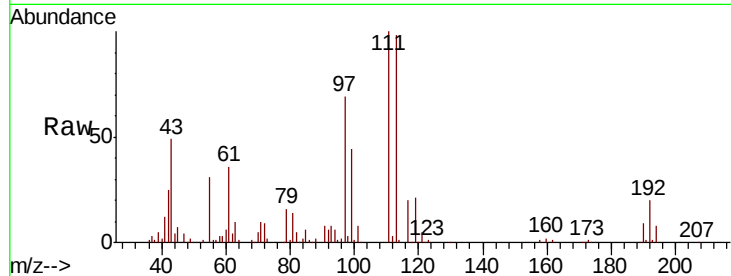
ClientSampleId :

ICVVF021319

Tot Ion:	43	Resp:	93822
Ion	Ratio	Lower	Upper
43	100		
61	72.6	45.7	68.5#
70	9.8	8.5	12.7

Manual Integrations
APPROVED

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#38

Carbon Tetrachloride

Concen: 57.226 ug/l

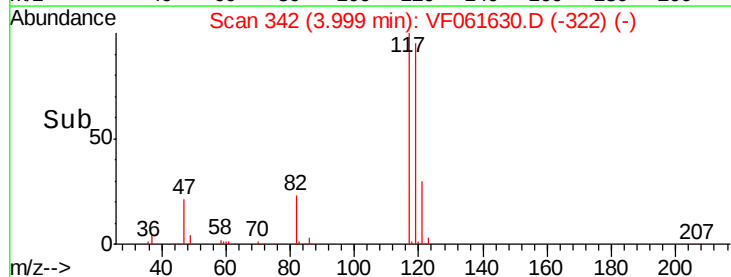
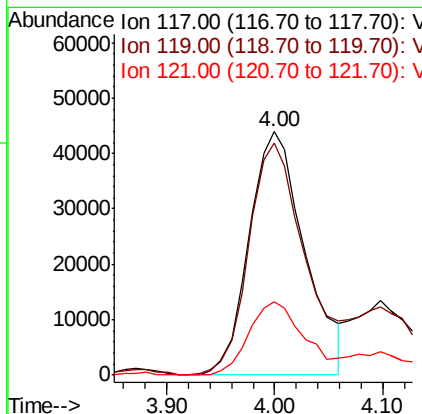
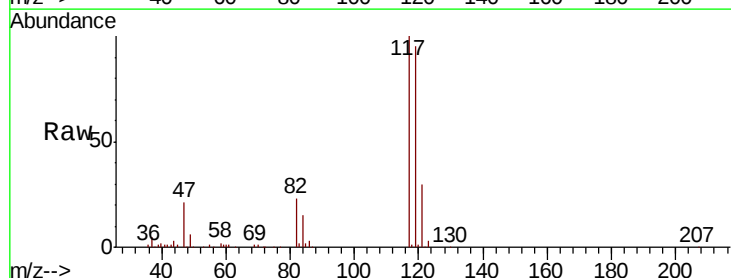
RT: 4.00 min Scan# 342

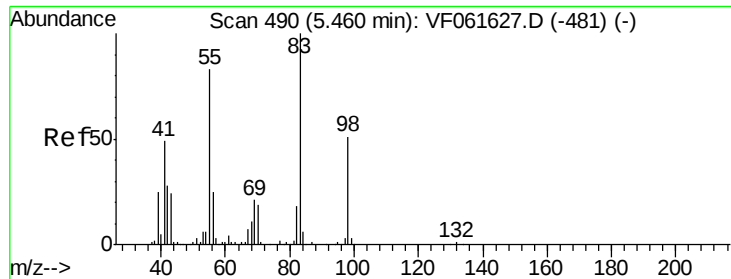
Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Tgt Ion:	117	Resp:	157682
Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.6	113.4
121	30.4	25.2	37.8





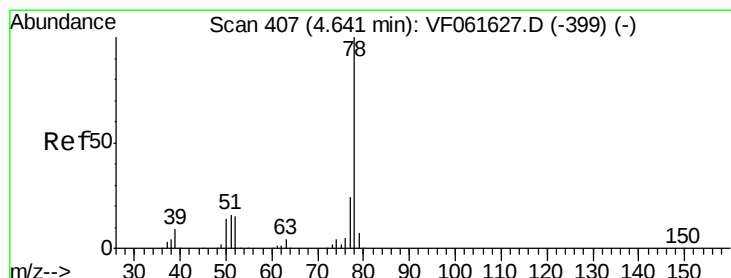
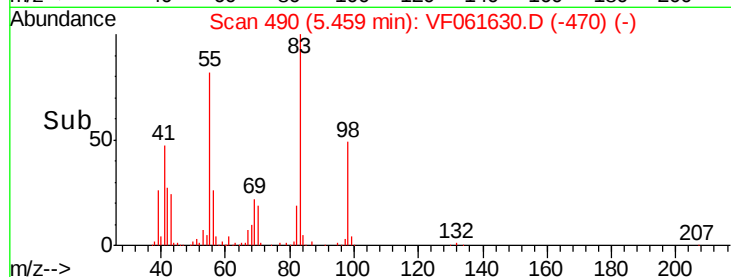
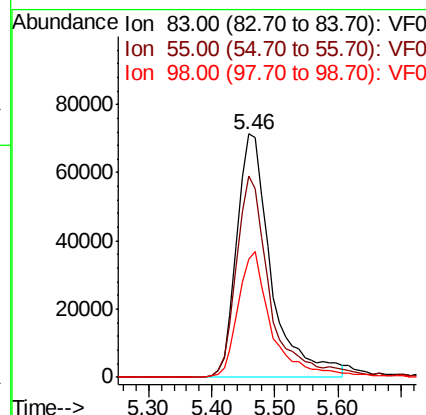
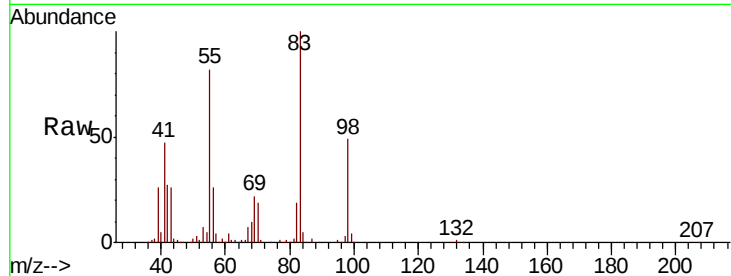
#39
Methvlcvclohexane
Concen: 57.234 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

Tot Ion	Ratio	Resp	Lower	Upper
83	100	270101		
55	82.5	66.6	99.8	
98	48.7	40.4	60.6	

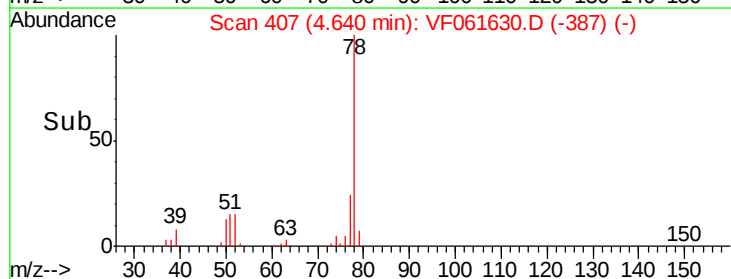
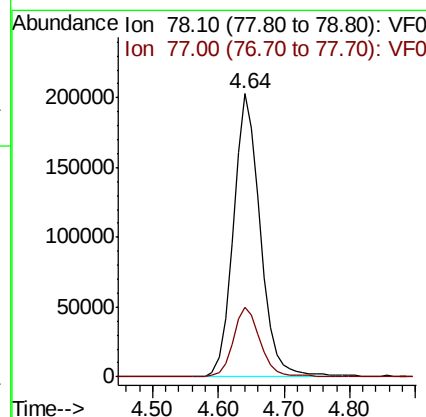
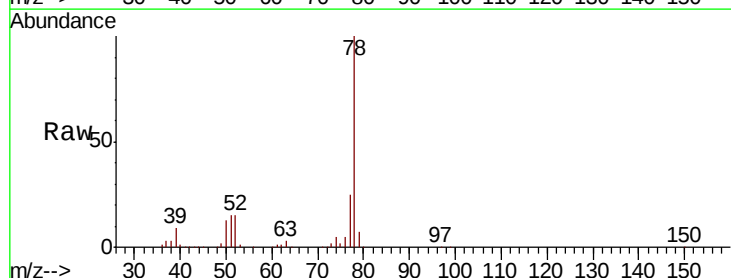
Manual Integrations
APPROVED

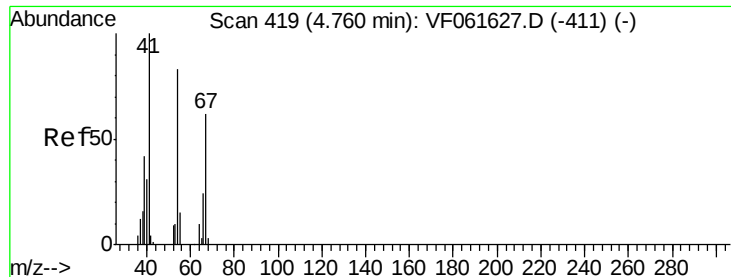
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#40
Benzene
Concen: 55.646 ug/l
RT: 4.64 min Scan# 407
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	580810		
77	24.6	19.0	28.6	





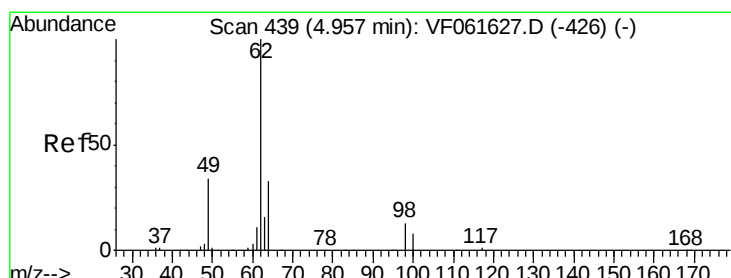
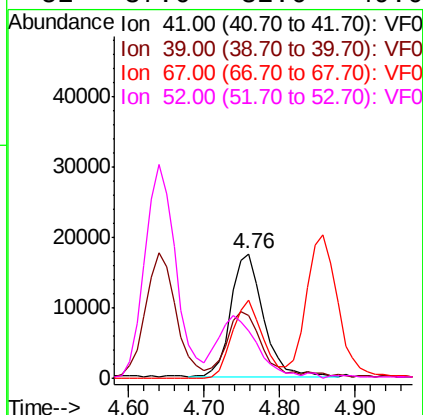
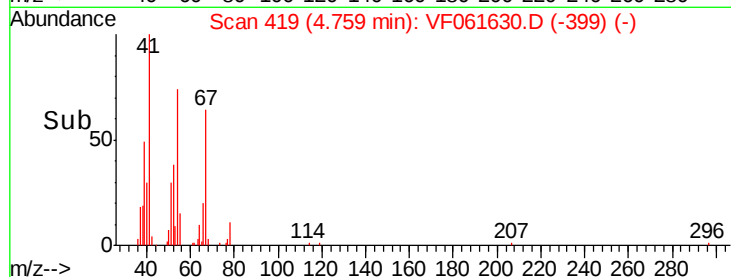
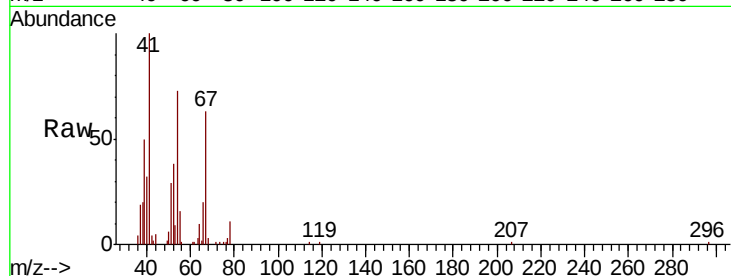
#41
Methacrylonitrile
Concen: 54.253 ug/l
RT: 4.76 min Scan# 419
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

Tot Ion:	41	Resp:	51424
Ion	Ratio	Lower	Upper
41	100		
39	50.0	45.3	67.9
67	63.1	49.3	73.9
52	37.6	32.6	49.0

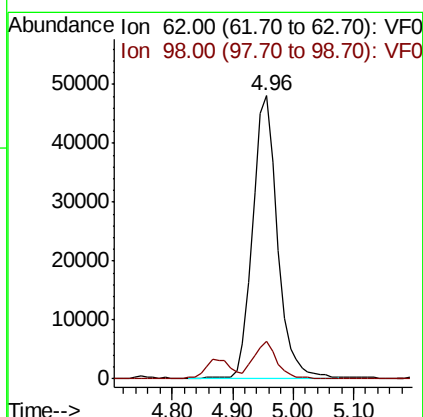
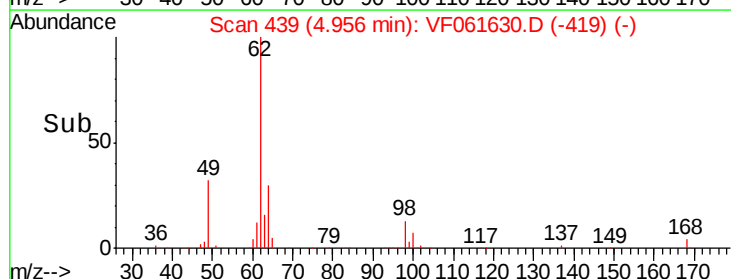
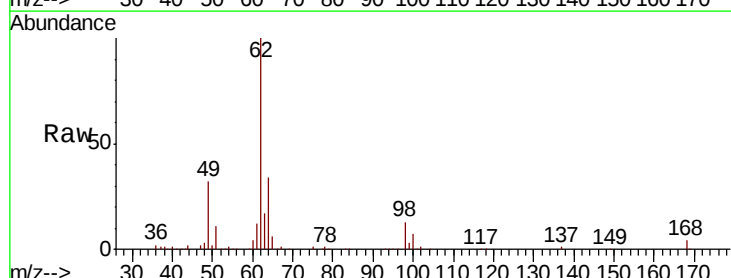
Manual Integrations
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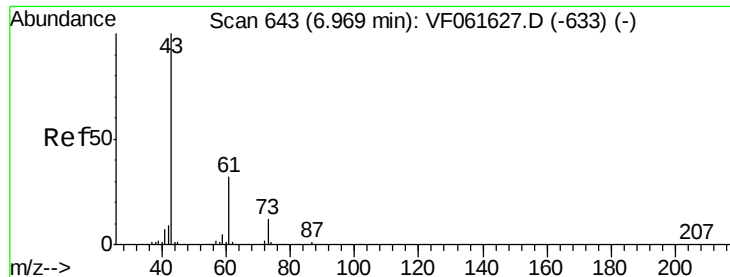
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#42
1,2-Dichloroethane
Concen: 55.269 ug/l
RT: 4.96 min Scan# 439
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion:	62	Resp:	137991
Ion	Ratio	Lower	Upper
62	100		
98	13.3	0.0	26.0





#43

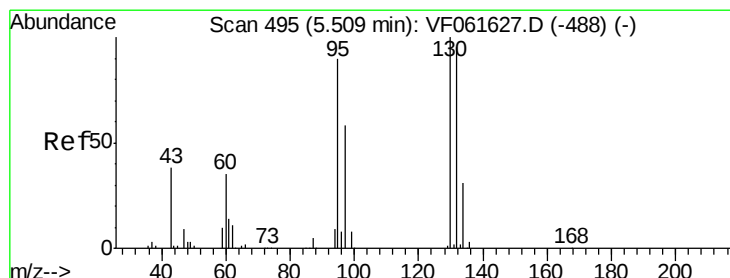
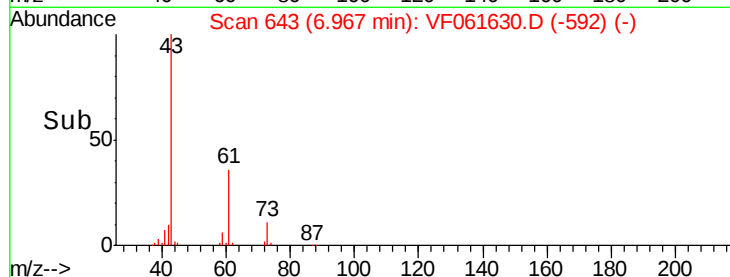
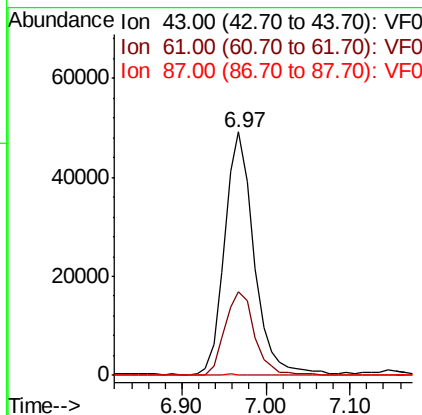
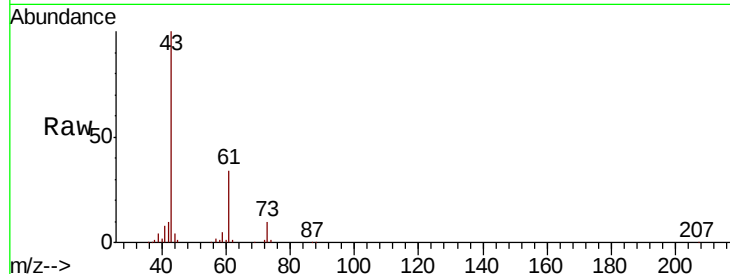
Isopropyl Acetate
 Concen: 53.939 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVVF021319

Tot Ion	43	Resp	118336
Ion Ratio	100	Lower	Upper
43	100		
61	34.3	25.8	38.6
87	0.4	0.4	0.6

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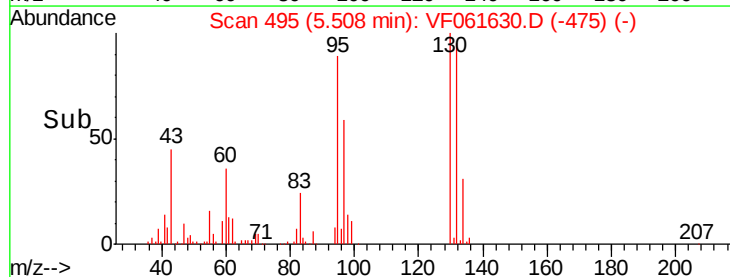
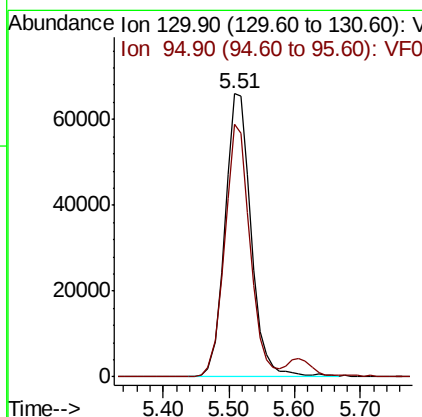
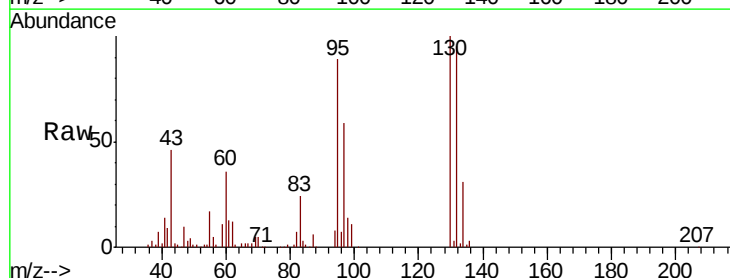
MMDadoda
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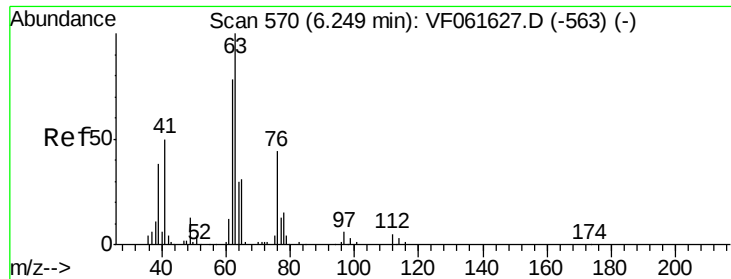


#44

Trichloroethene
 Concen: 54.334 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

Tgt Ion	130	Resp	183390
Ion Ratio	100	Lower	Upper
130	100		
95	89.3	0.0	179.4





#45

1,2-Dichloropropane

Concen: 55.446 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

Tot Ion: 63 Resp: 139886

Ion Ratio Lower Upper

63 100

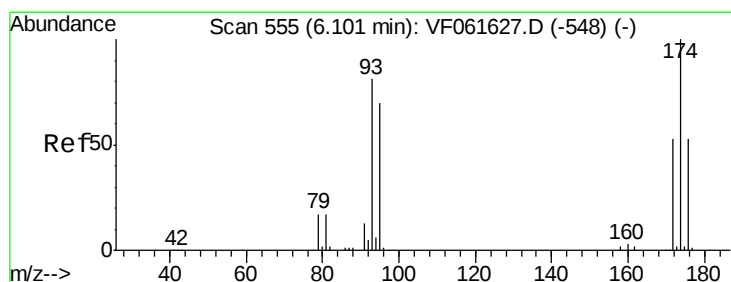
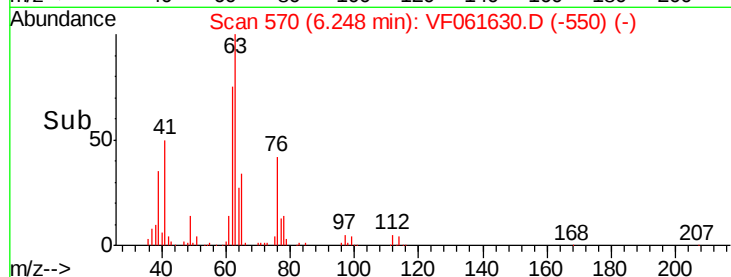
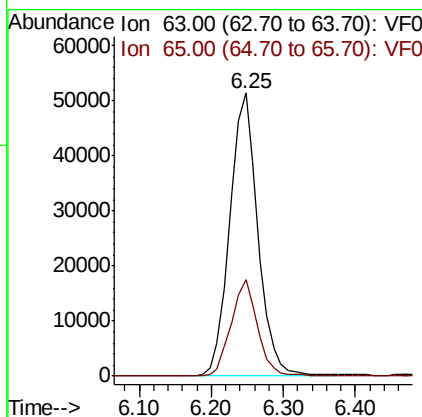
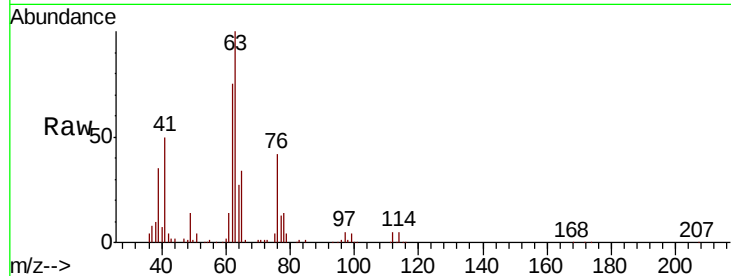
65 34.1 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 55.553 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

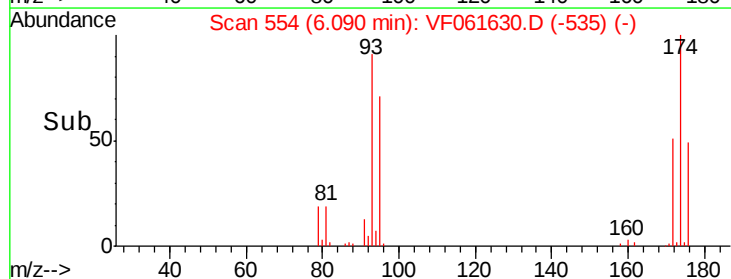
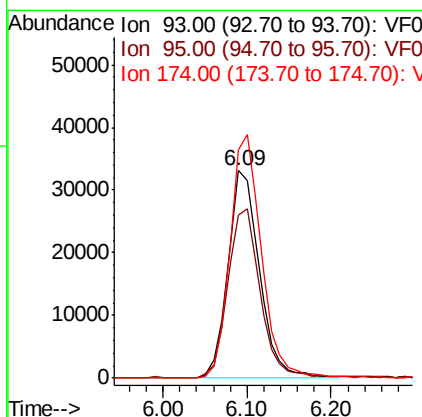
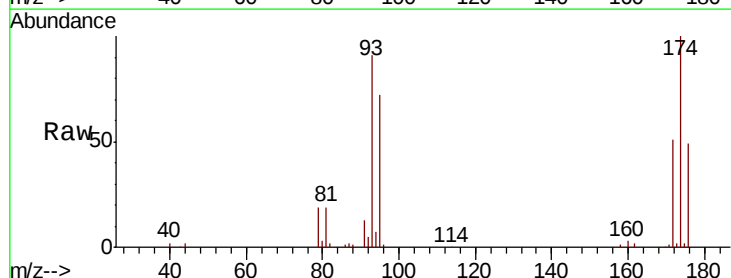
Tgt Ion: 93 Resp: 86296

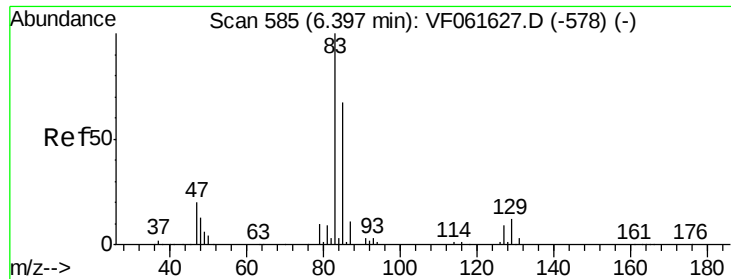
Ion Ratio Lower Upper

93 100

95 78.7 69.0 103.6

174 109.7 99.3 148.9





#47

Bromodichloromethane

Concen: 52.733 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

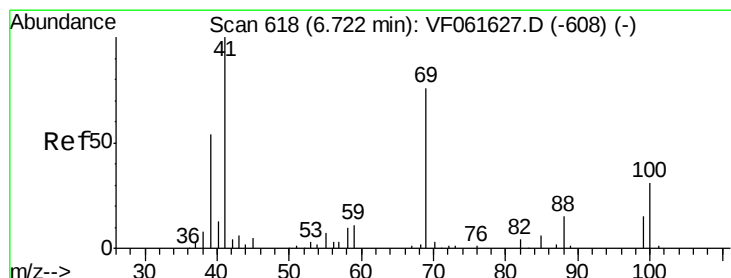
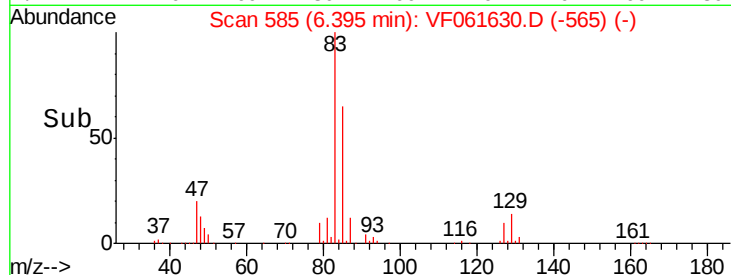
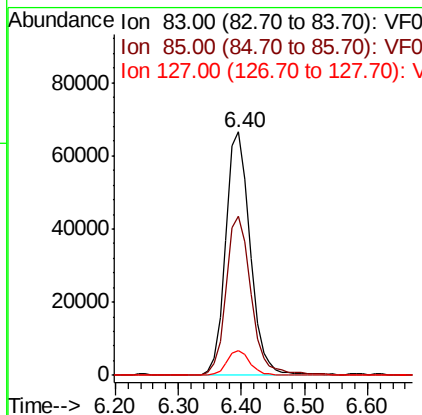
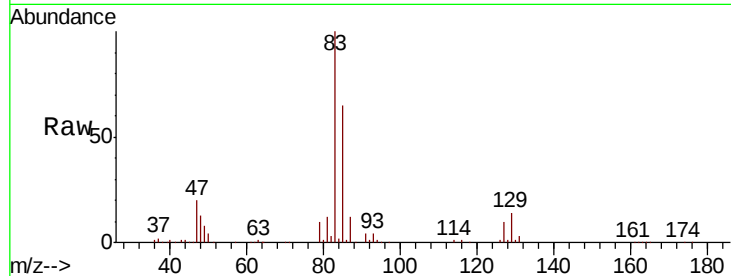
ClientSampleId :

ICVVF021319

Tot Ion:	83	Resp:	179382
Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.4	80.2
127	10.2	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 58.874 ug/l

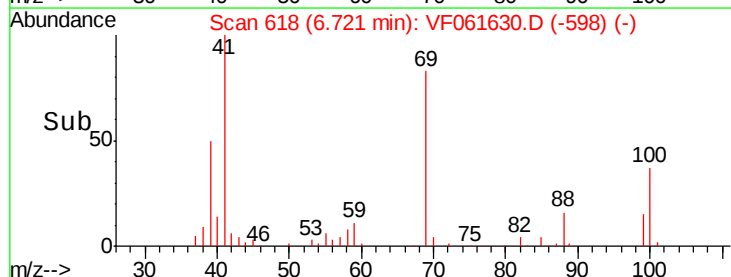
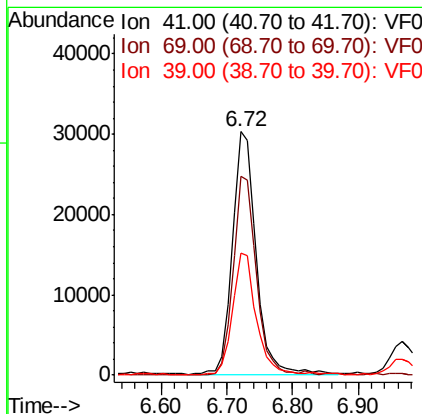
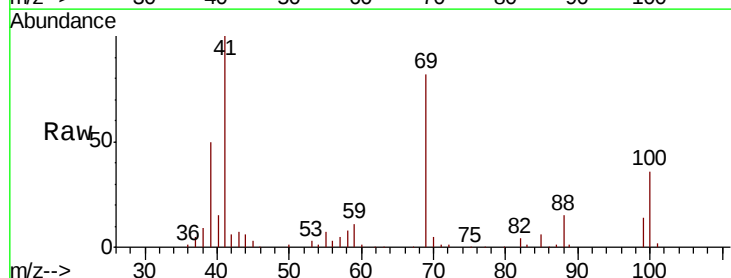
RT: 6.72 min Scan# 618

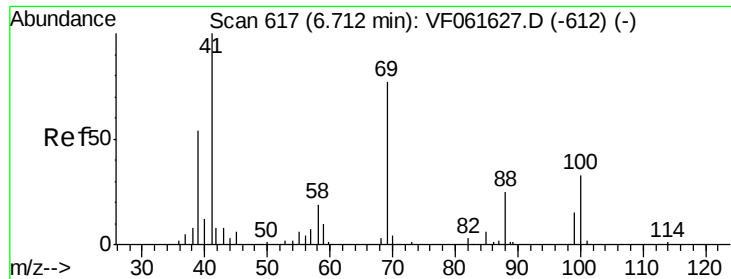
Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Tgt Ion:	41	Resp:	77729
Ion	Ratio	Lower	Upper
41	100		
69	81.6	60.4	90.6
39	50.3	43.7	65.5





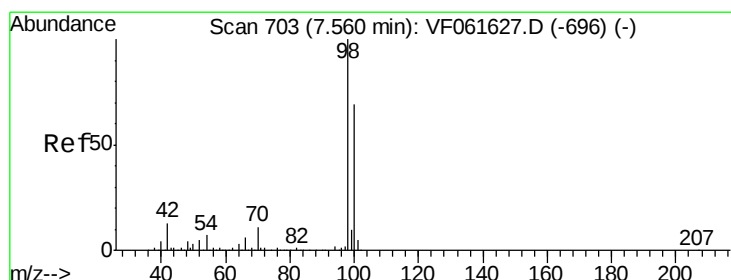
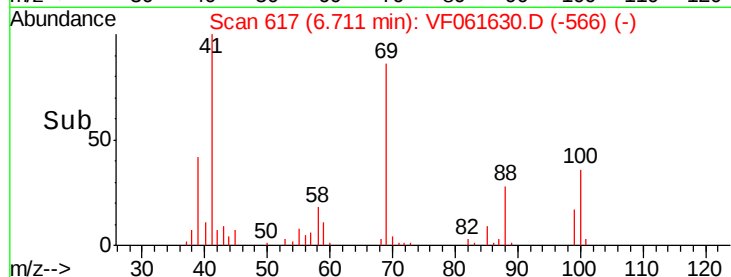
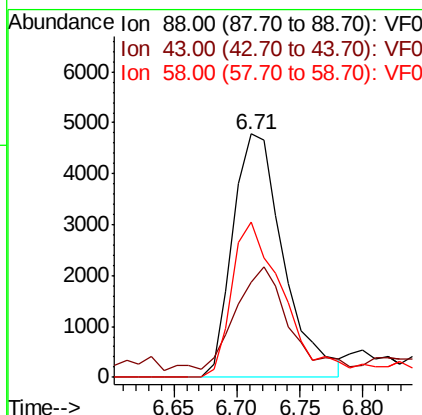
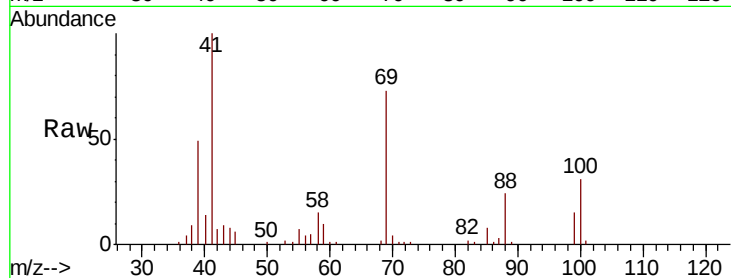
#49
1,4-Dioxane
Concen: 1075.973 ug/l
RT: 6.71 min Scan# 617
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	39.2		32.3	48.5
58	63.9		59.4	89.2

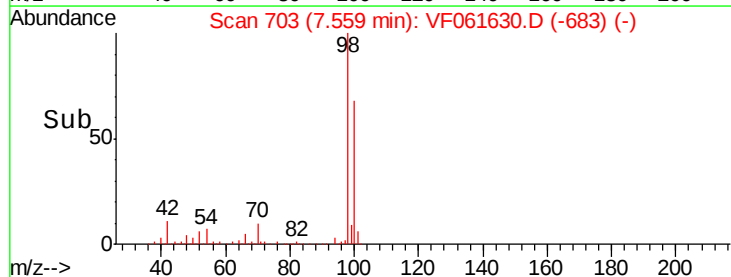
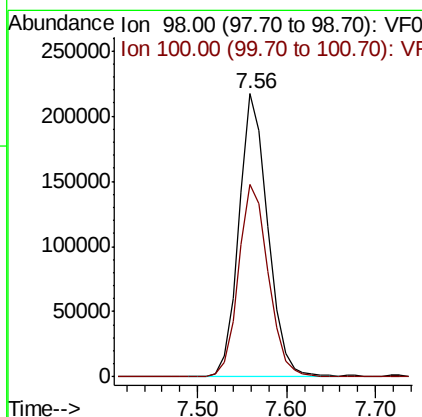
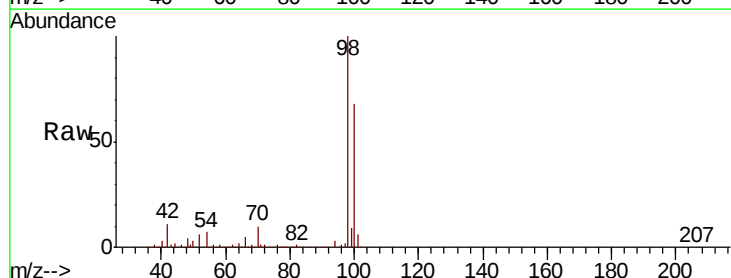
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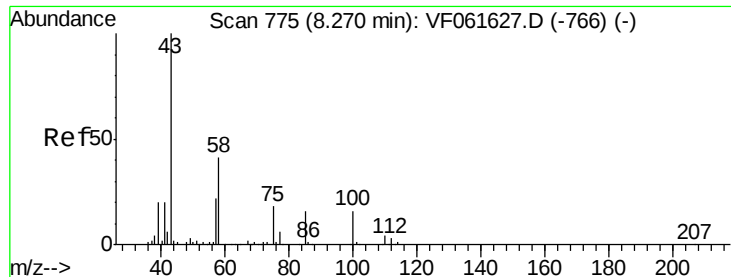
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#50
Toluene-d8
Concen: 56.976 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	68.2		55.4	83.2





#51

4-Methyl-2-Pentanone

Concen: 267.023 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

Tot Ion: 43 Resp: 418586

Ion Ratio Lower Upper

43 100

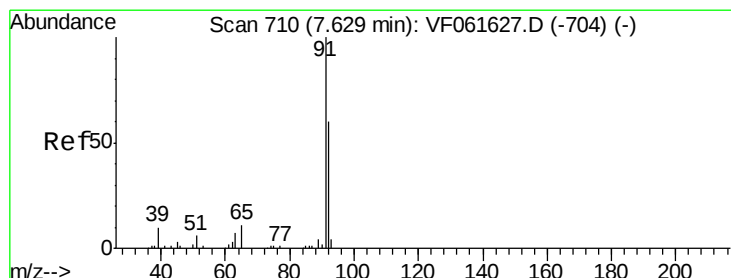
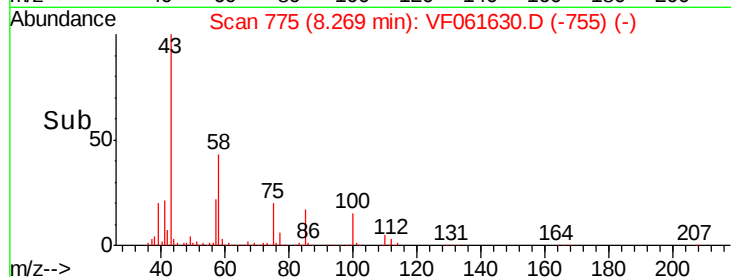
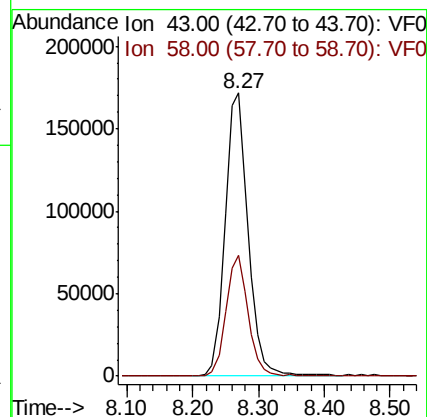
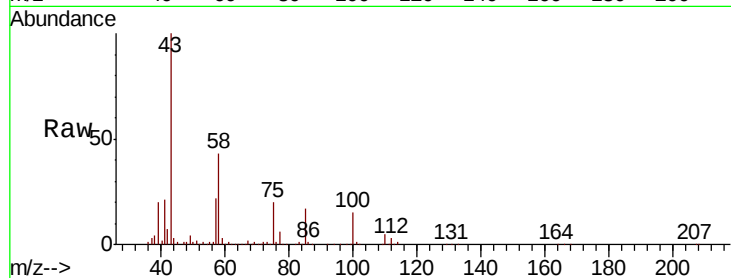
58 42.5 33.1 49.7

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#52

Toluene

Concen: 53.832 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.00 min

Lab File: VF061630.D

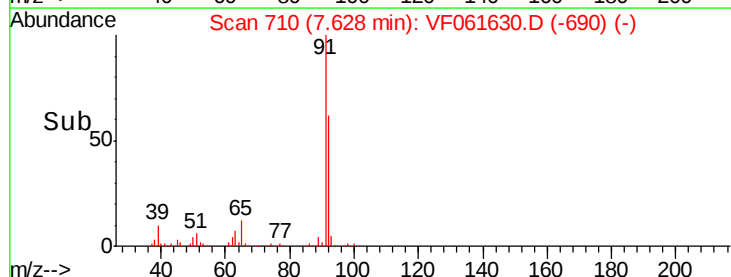
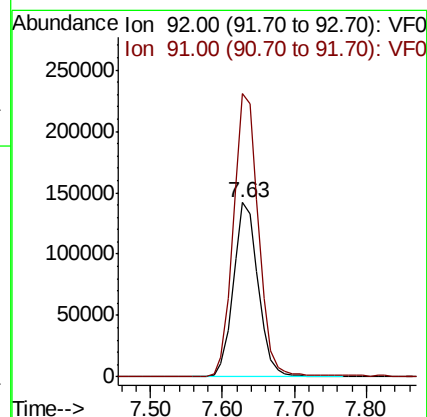
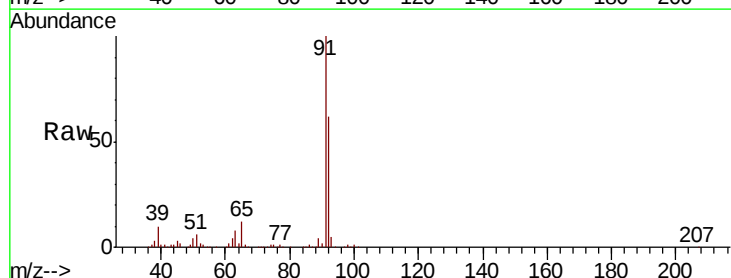
Acq: 13 Feb 2019 19:29

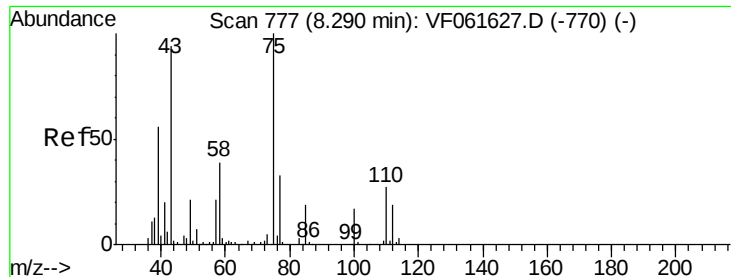
Tgt Ion: 92 Resp: 340765

Ion Ratio Lower Upper

92 100

91 162.3 133.9 200.9





#53

t-1,3-Dichloropropene

Concen: 54.032 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

Tot Ion: 75 Resp: 152973

Ion Ratio Lower Upper

75 100

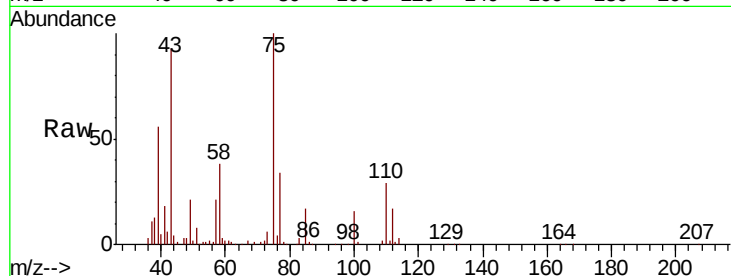
77 34.2 26.2 39.2

Manual Integrations

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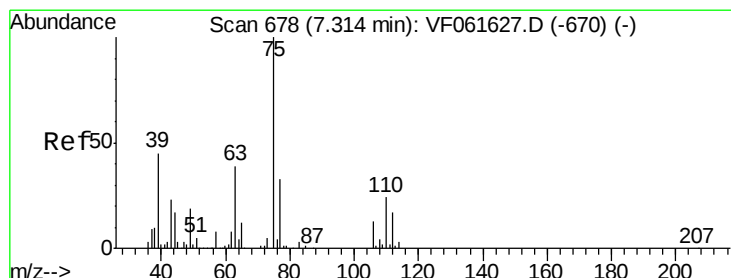
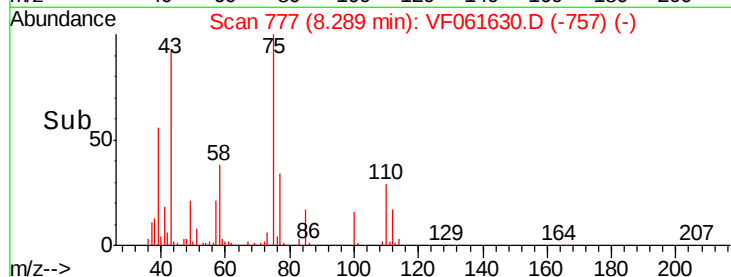
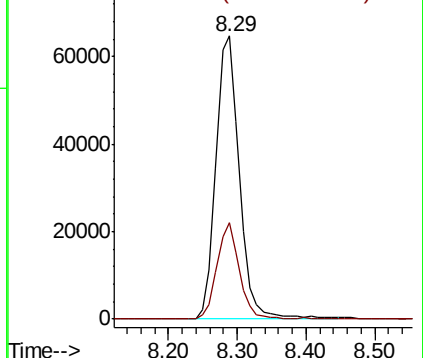
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 56.230 ug/l

RT: 7.31 min Scan# 678

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

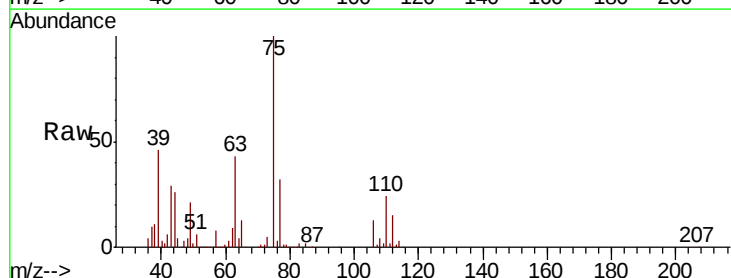
Tgt Ion: 75 Resp: 212045

Ion Ratio Lower Upper

75 100

77 32.2 26.4 39.6

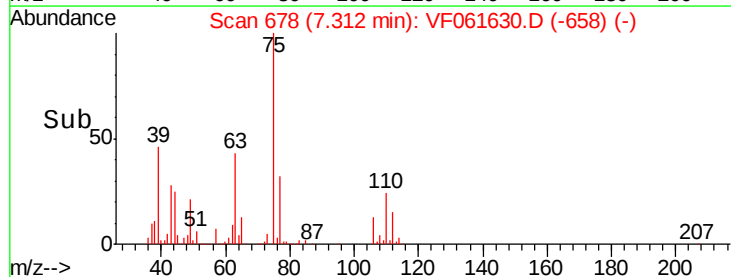
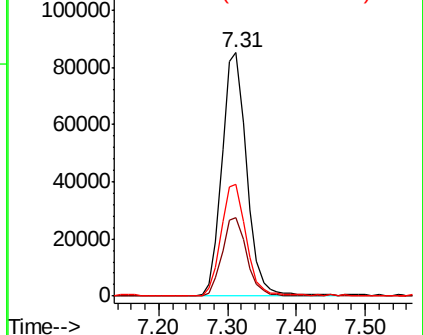
39 46.0 36.0 54.0

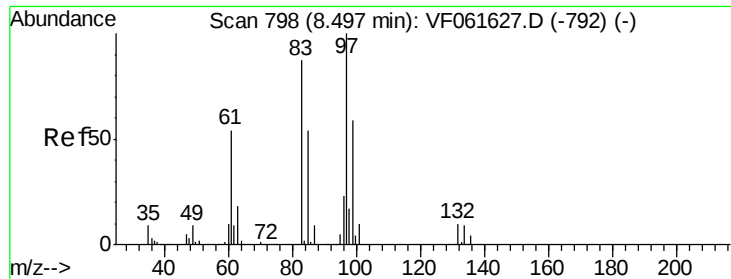


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 55.950 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

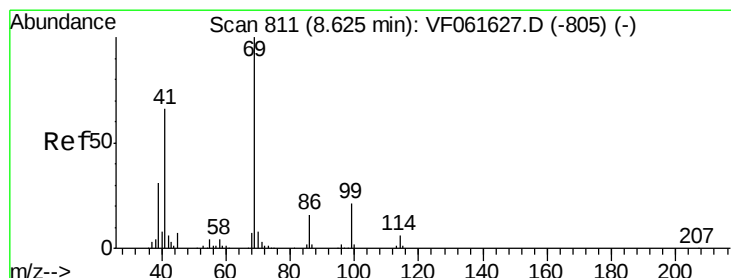
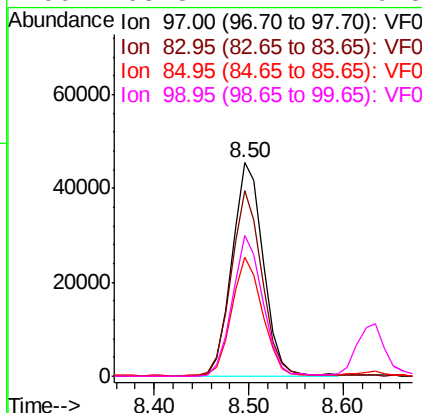
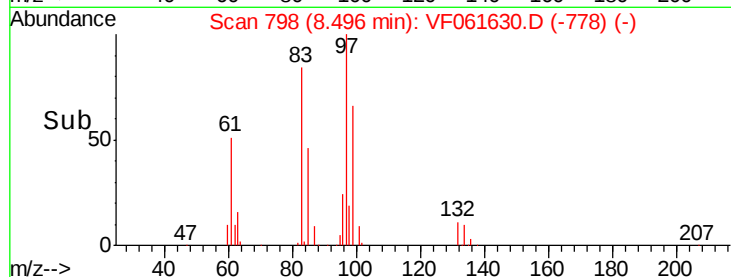
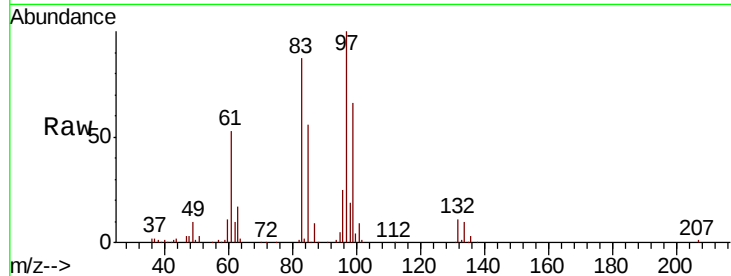
ClientSampleId :

ICVVF021319

Tot Ion:	97	Resp:	104060
Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.2	103.8
85	56.0	43.0	64.4
99	65.8	47.2	70.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 55.611 ug/l

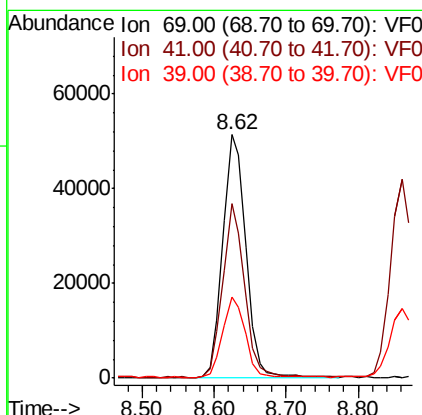
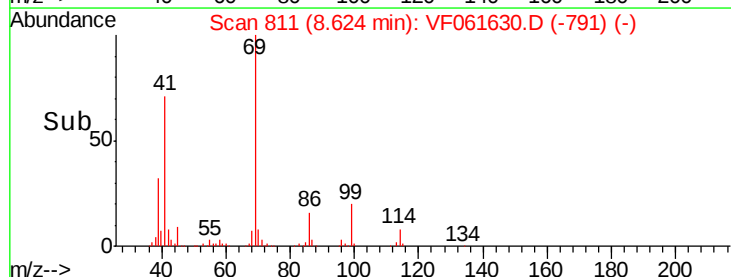
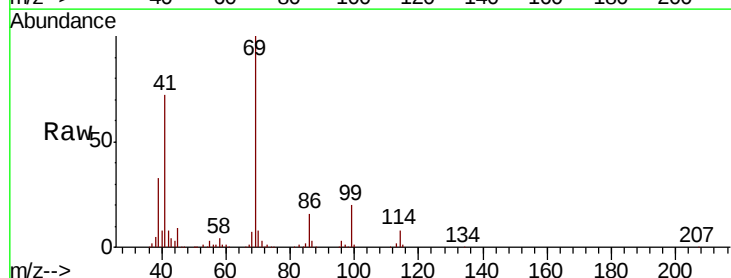
RT: 8.62 min Scan# 811

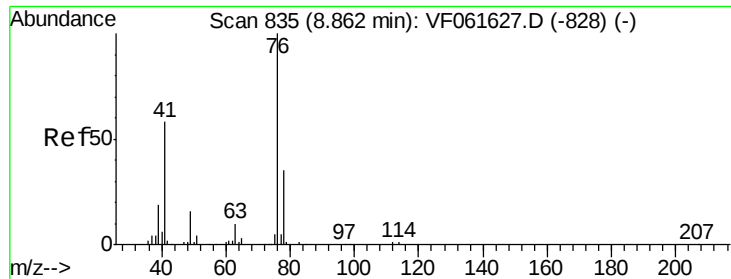
Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Tgt Ion:	69	Resp:	115153
Ion	Ratio	Lower	Upper
69	100		
41	71.8	52.9	79.3
39	33.3	24.5	36.7





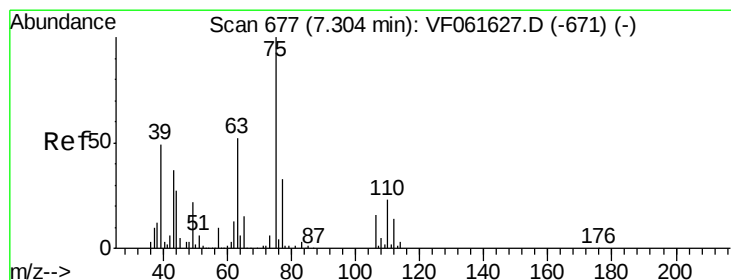
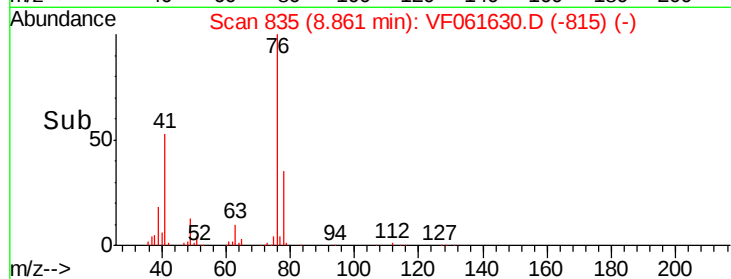
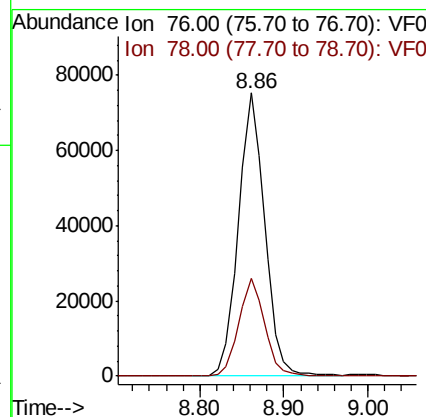
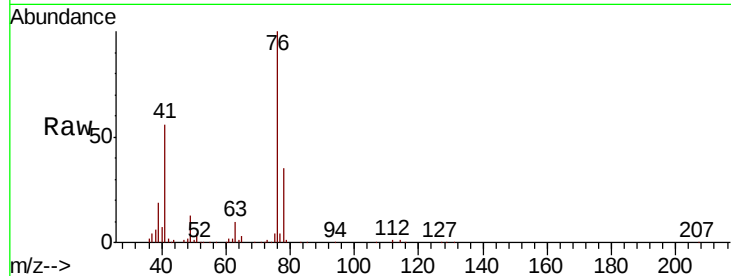
#57
 1,3-Dichloropropane
 Concen: 53.013 ug/l
 RT: 8.86 min Scan# 835
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF021319

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.7	27.8	41.6

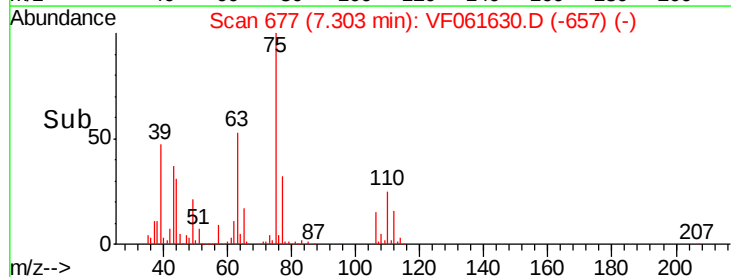
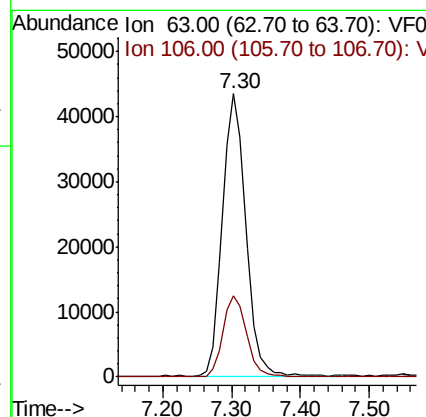
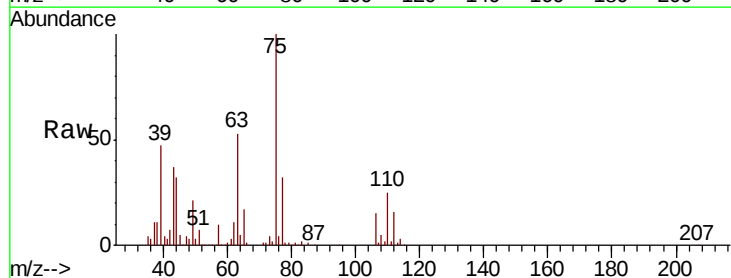
Manual Integrations
 APPROVED

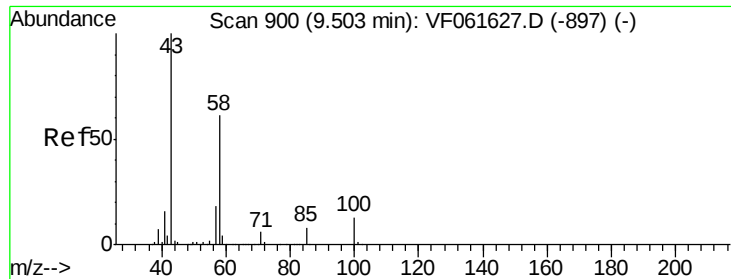
MMDadoda
 2/14/2019 12:42:18 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 286.436 ug/l
 RT: 7.30 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	24.6	36.8





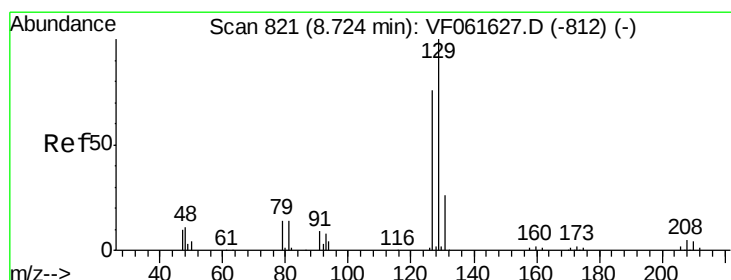
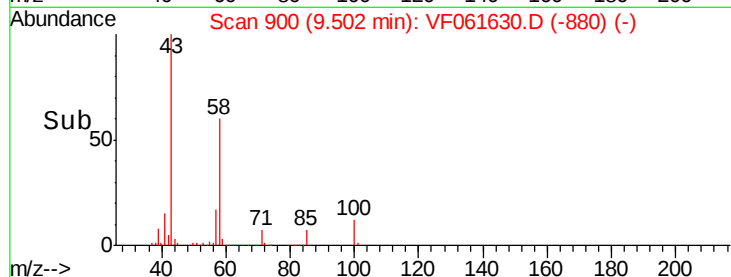
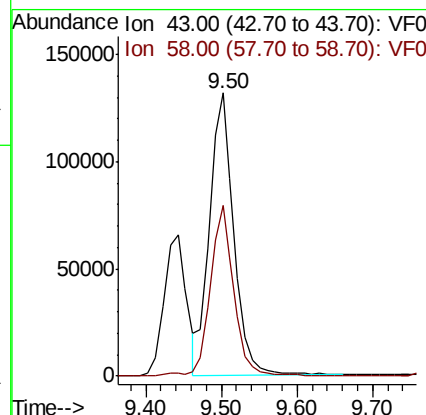
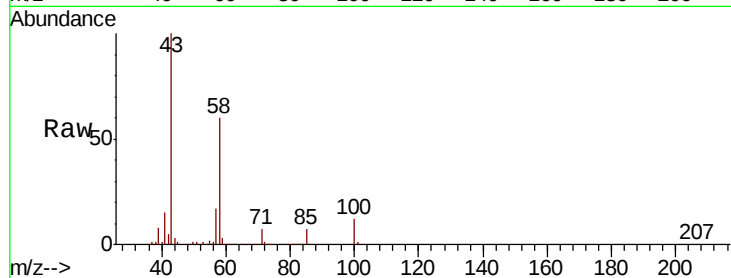
#59
2-Hexanone
Concen: 268.481 ug/l
RT: 9.50 min Scan# 900
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.3	28.5	85.5

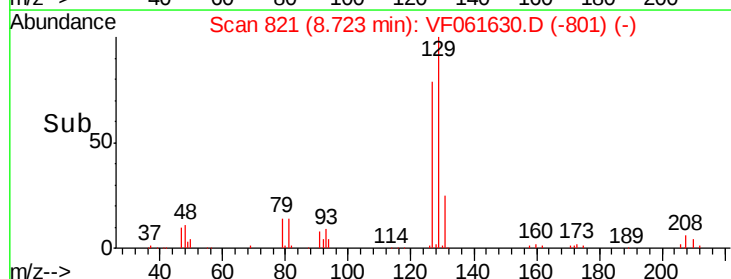
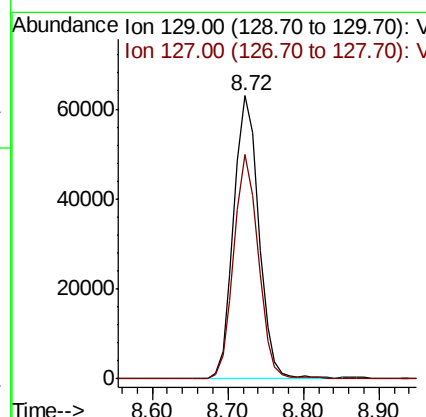
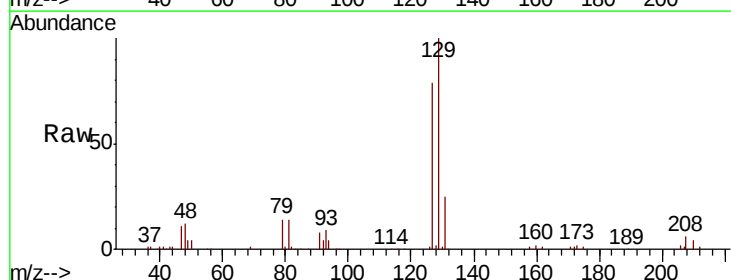
Manual Integrations
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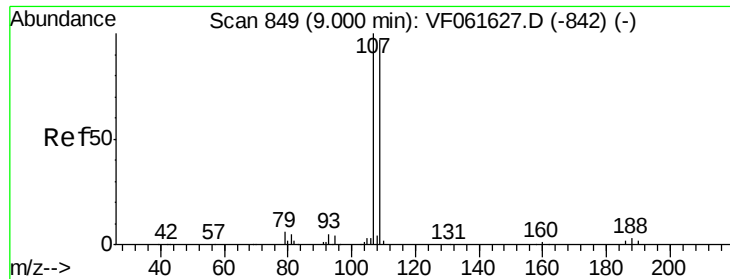
MMDadoda
2/14/2019 12:42:18 PM



#60
Dibromochloromethane
Concen: 56.181 ug/l
RT: 8.72 min Scan# 821
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.3	37.8	113.4





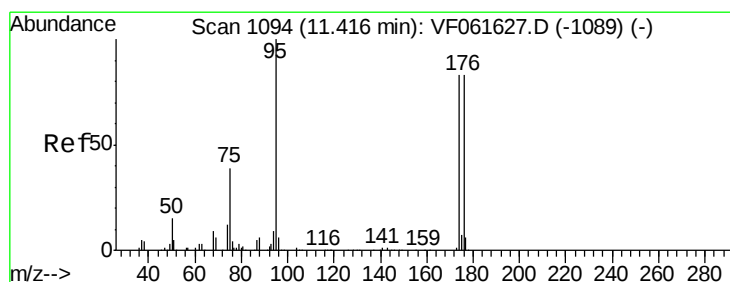
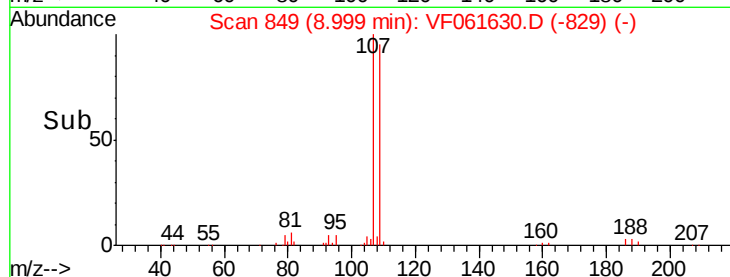
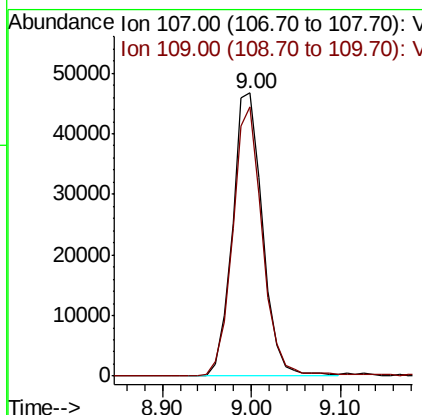
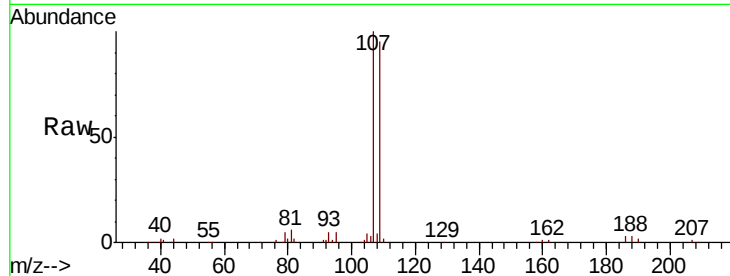
#61
 1,2-Dibromoethane
 Concen: 54.777 ug/l
 RT: 9.00 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF021319

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	77.4	116.0

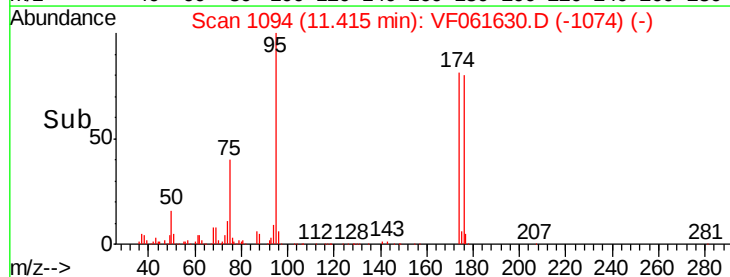
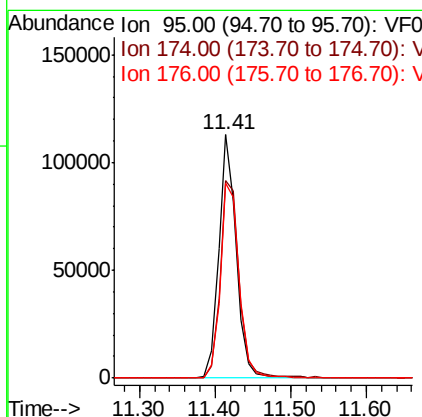
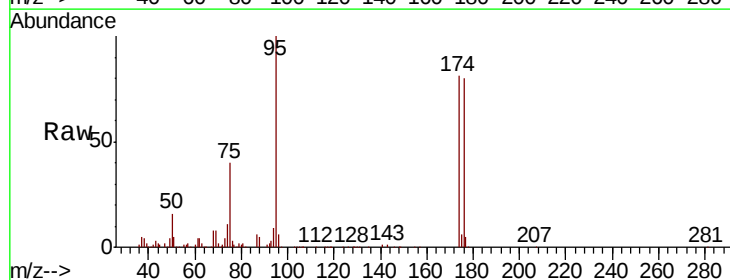
Manual Integrations
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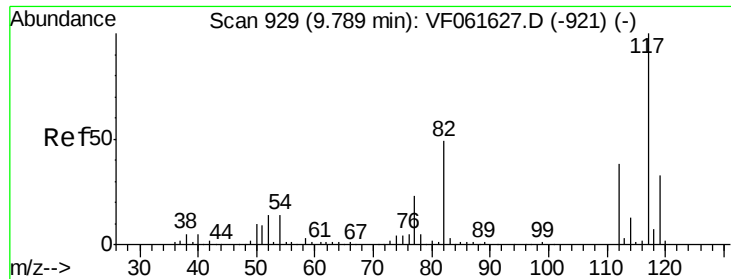
MMDadoda
 2/14/2019 12:42:18 PM



#62
 4-Bromofluorobenzene
 Concen: 53.206 ug/l
 RT: 11.41 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.2	0.0	165.8
176	80.0	0.0	167.0





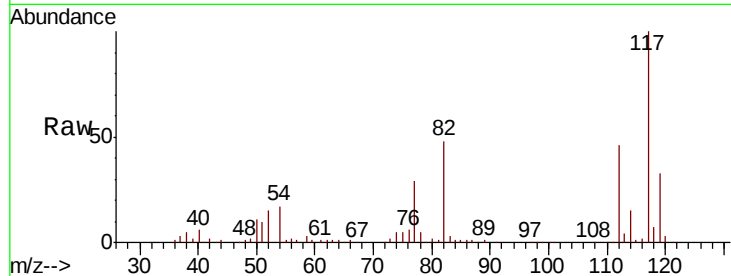
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.4	39.3	58.9
119	32.6	26.6	40.0

Manual Integrations
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MMDadoda
2/14/2019 12:42:18 PM

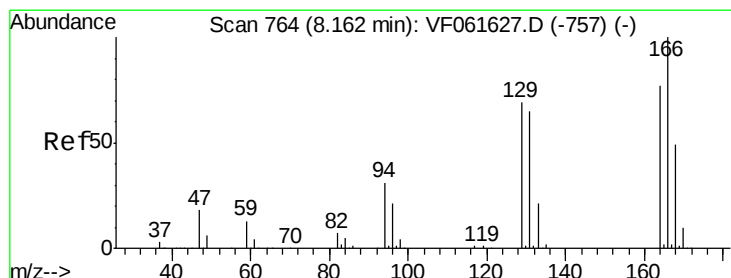
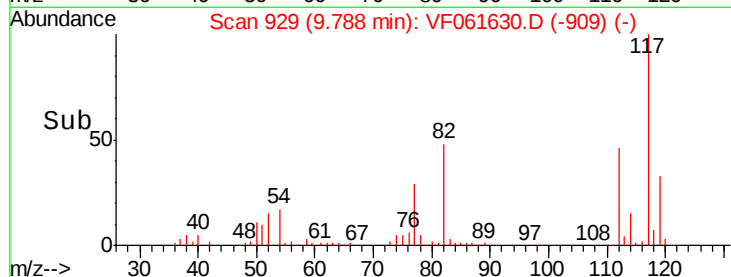
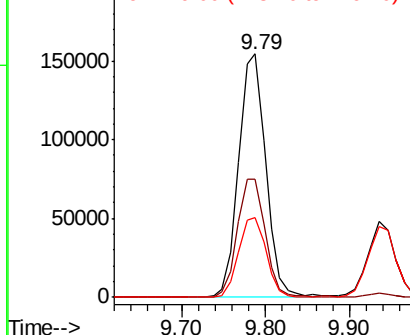


Abundance

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: 55.978 ug/l
RT: 8.16 min Scan# 764
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	103.9	155.9
129	88.4	71.3	106.9
131	83.9	67.1	100.7

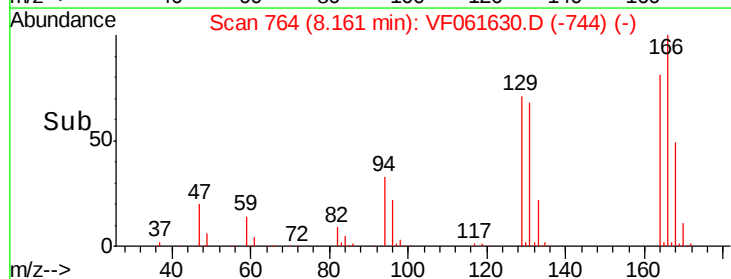
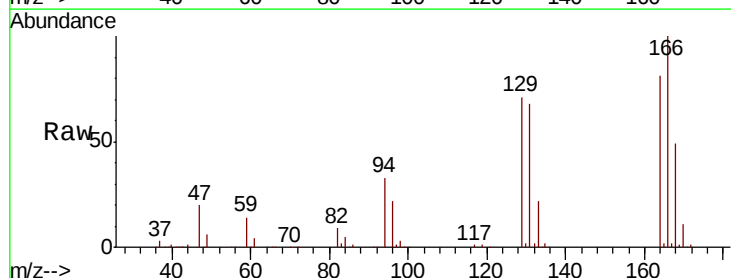
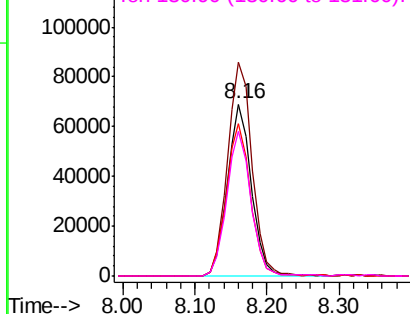
Abundance

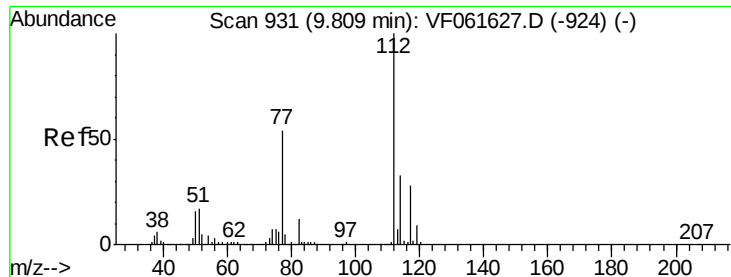
Ion 163.85 (163.55 to 164.55): V

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





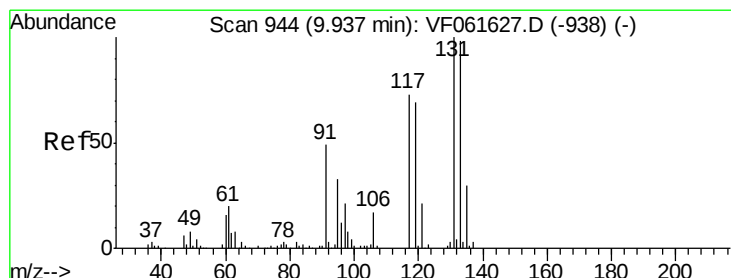
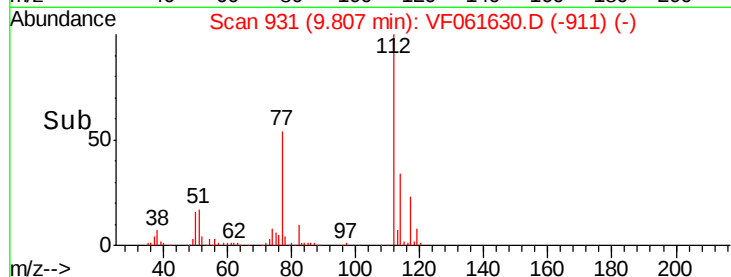
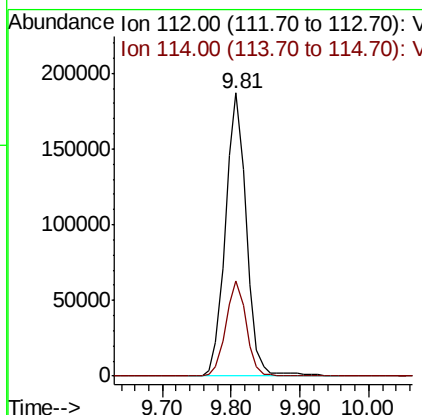
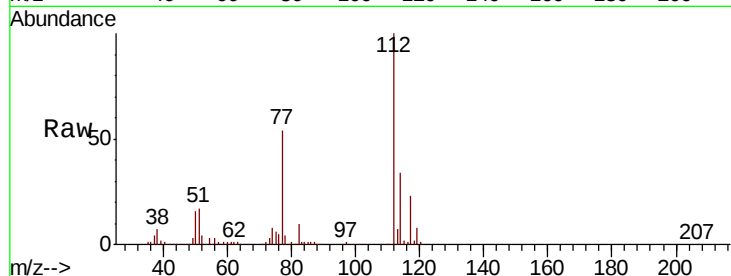
#65
Chlorobenzene
Concen: 55.524 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

Tot Ion	Ratio	Resp	Lower	Upper
112	100	393874		
114	33.8	26.2	39.2	

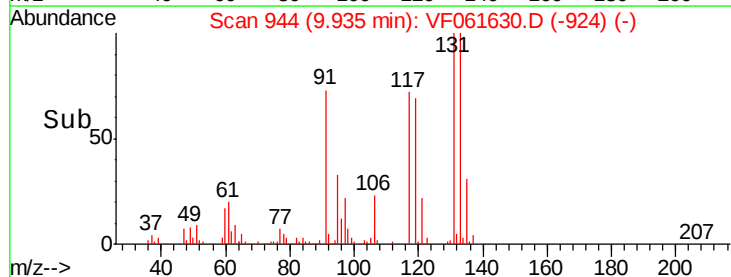
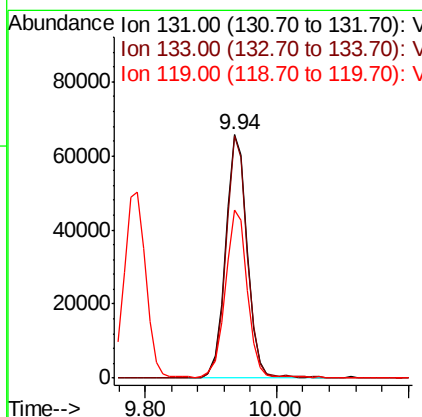
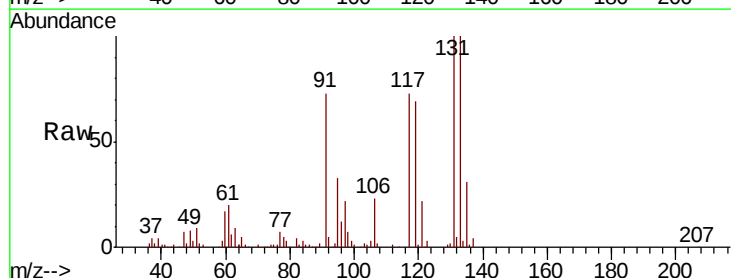
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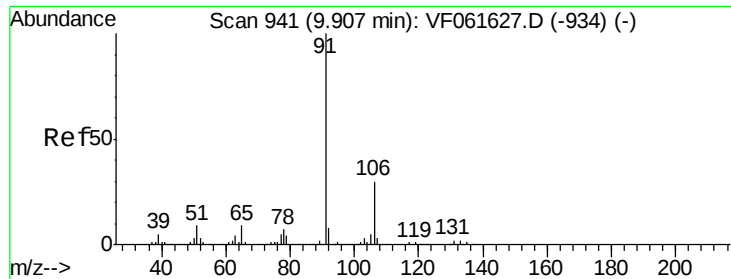
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.467 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	151403		
133	99.8	48.9	146.6	
119	68.9	34.8	104.3	





#67

Ethyl Benzene

Concen: 53.818 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

Tot Ion: 91 Resp: 634890

Ion Ratio Lower Upper

91 100

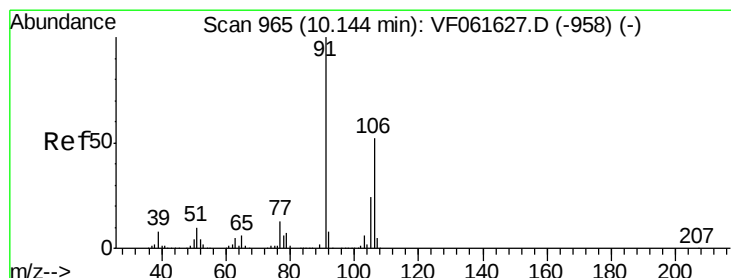
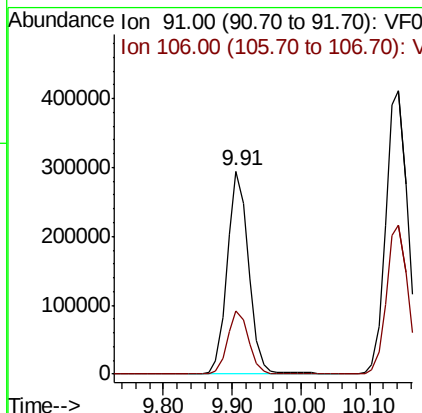
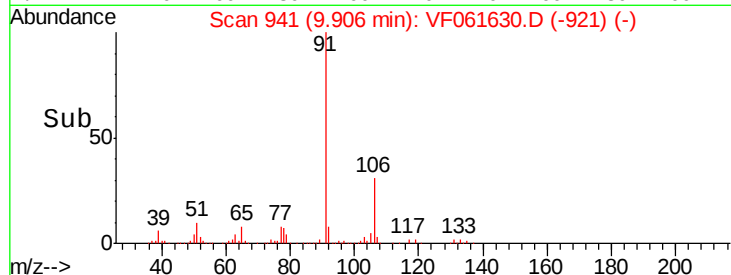
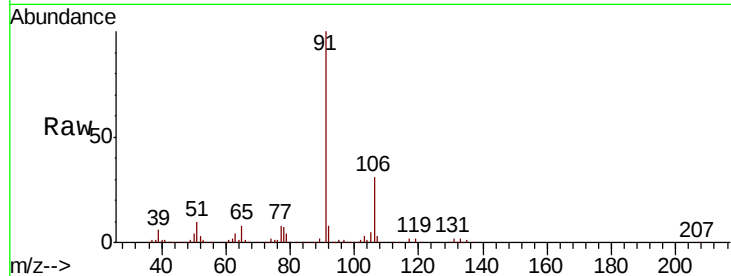
106 31.0 24.1 36.1

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#68

m/p-Xylenes

Concen: 104.609 ug/l

RT: 10.14 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF061630.D

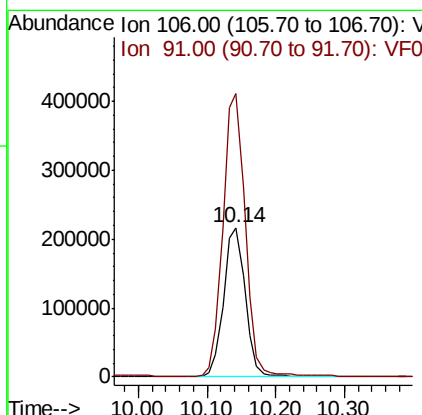
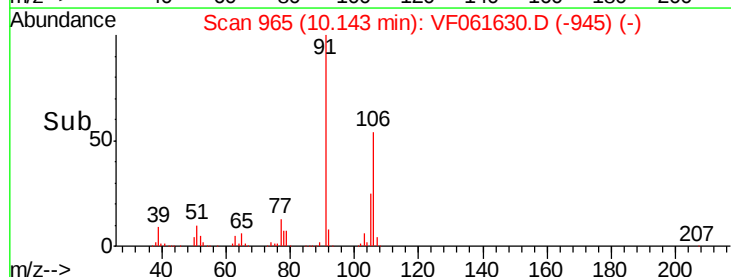
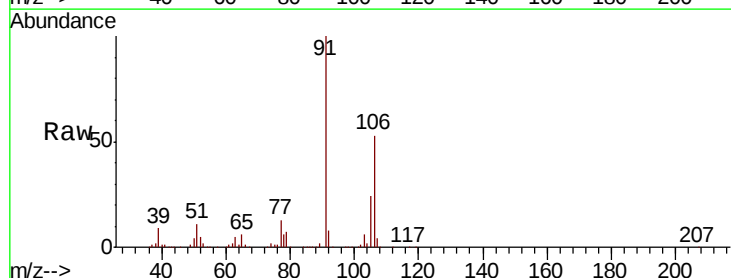
Acq: 13 Feb 2019 19:29

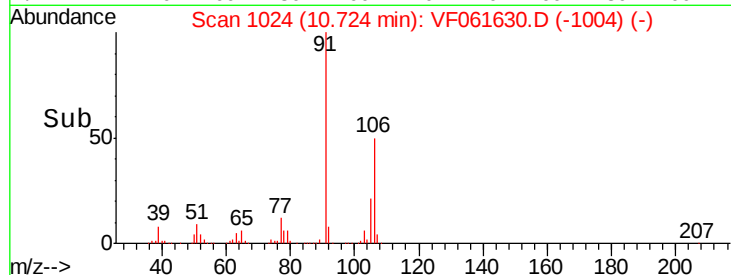
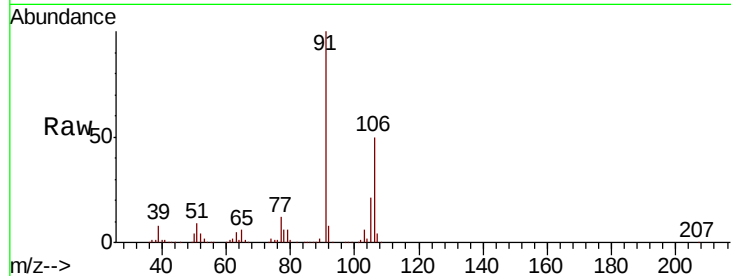
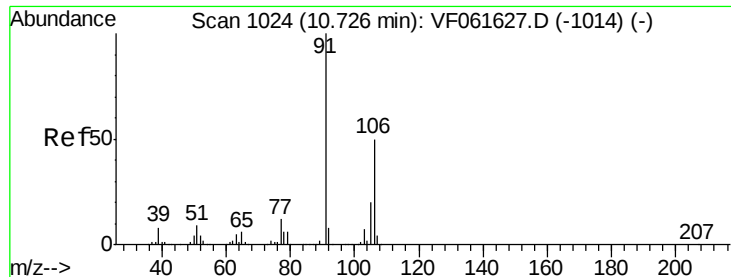
Tgt Ion:106 Resp: 472293

Ion Ratio Lower Upper

106 100

91 189.7 153.0 229.6





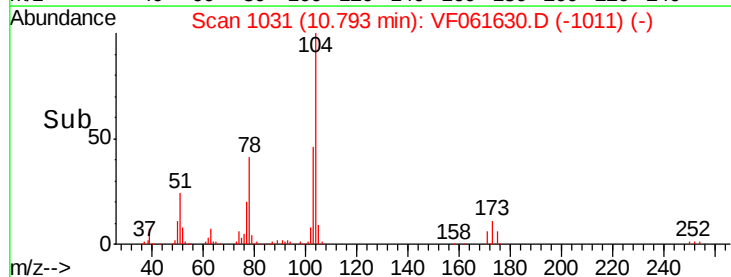
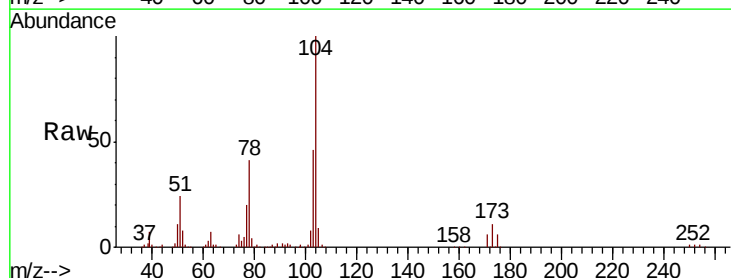
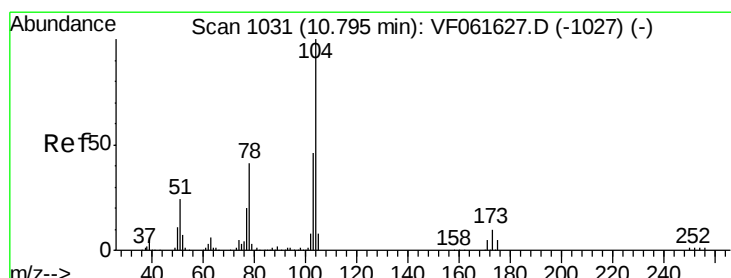
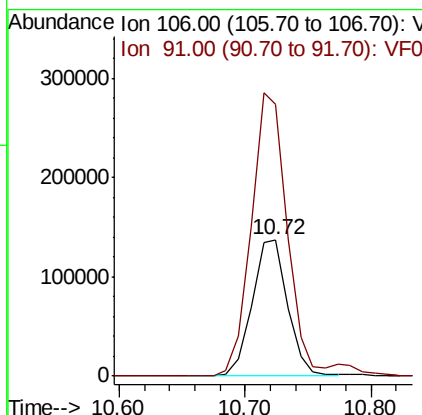
#69
o-Xylene
Concen: 55.638 ug/l
RT: 10.72 min Scan# 1024
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tot Ion:106 Resp: 268040
Ion Ratio Lower Upper
106 100
91 199.1 100.1 300.1

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

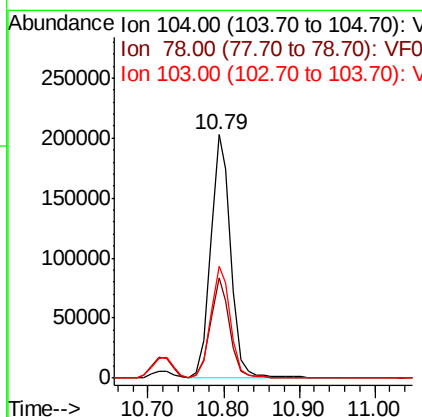
Manual Integrations
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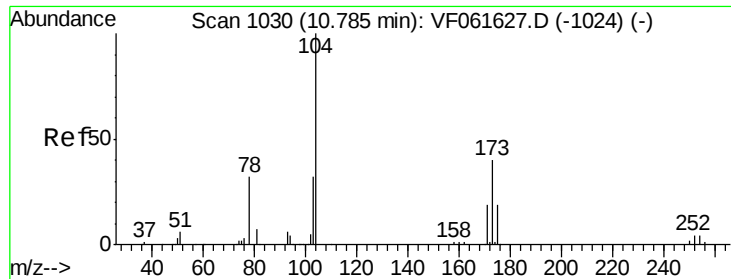
MMDadoda
2/14/2019 12:42:18 PM



#70
Styrene
Concen: 55.299 ug/l
RT: 10.79 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion:104 Resp: 376880
Ion Ratio Lower Upper
104 100
78 41.0 33.2 49.8
103 45.9 37.2 55.8





#71

Bromoform

Concen: 54.837 ug/l

RT: 10.78 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

Tot Ion:173 Resp: 82773

Ion Ratio Lower Upper

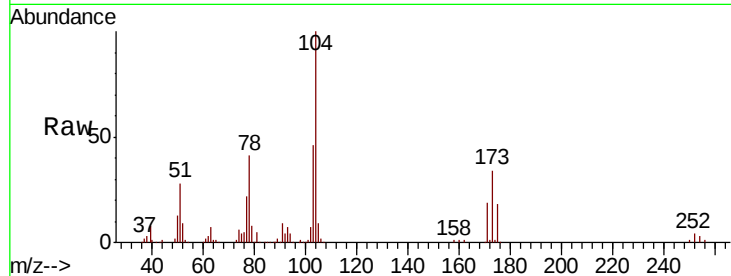
173 100

175 51.2 24.0 72.0

254 9.7 8.2 12.2

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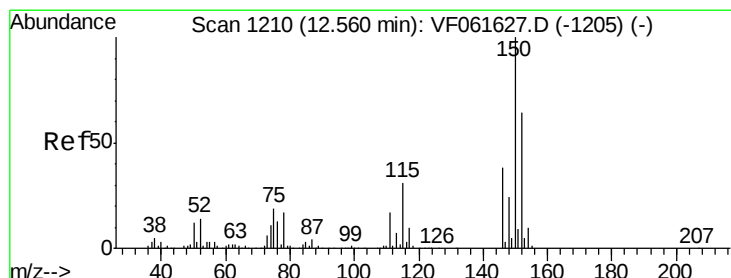
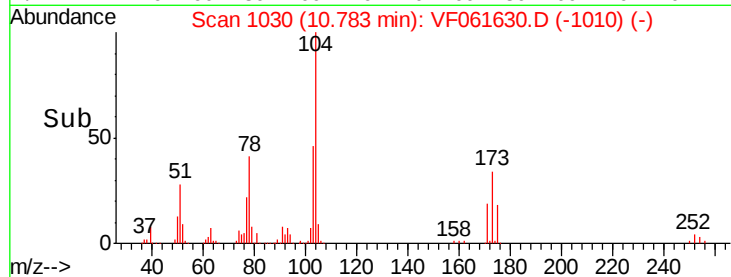
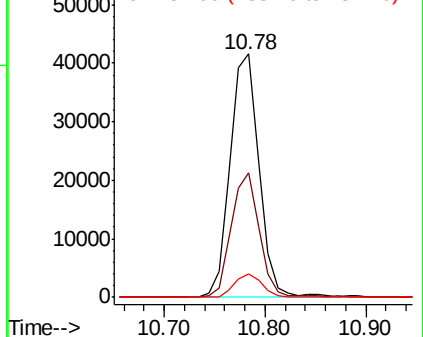


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

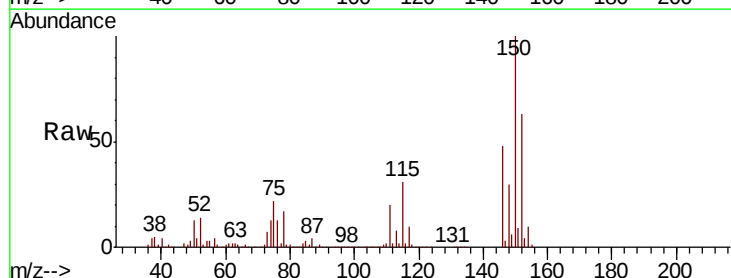
Tgt Ion:152 Resp: 196865

Ion Ratio Lower Upper

152 100

115 49.7 24.3 72.8

150 158.3 0.0 312.0

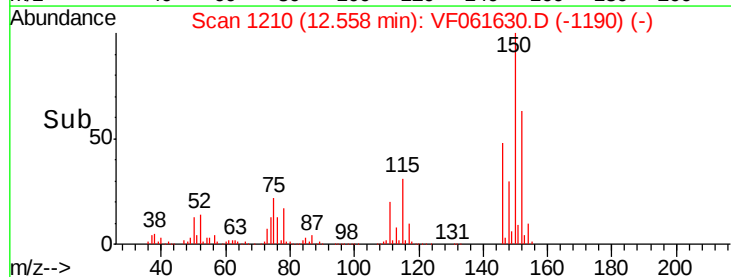
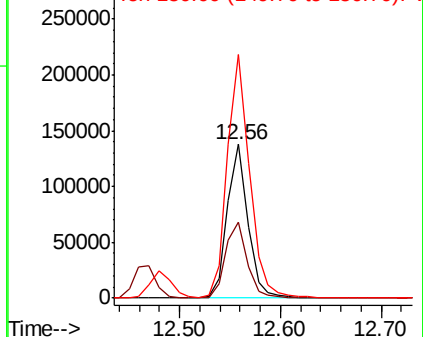


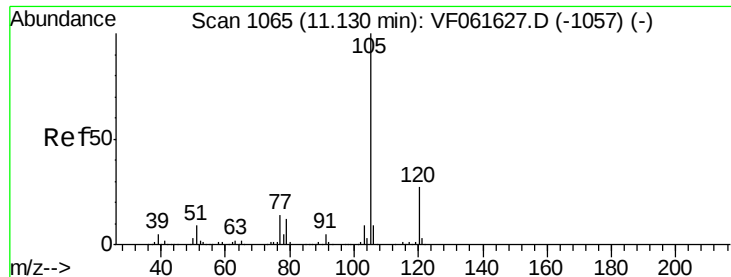
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 55.411 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

Tot Ion:105 Resp: 776669

Ion Ratio Lower Upper

105 100

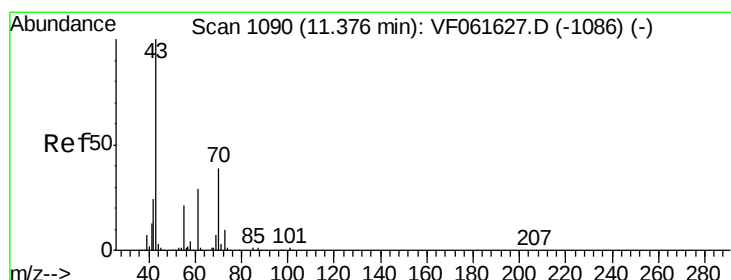
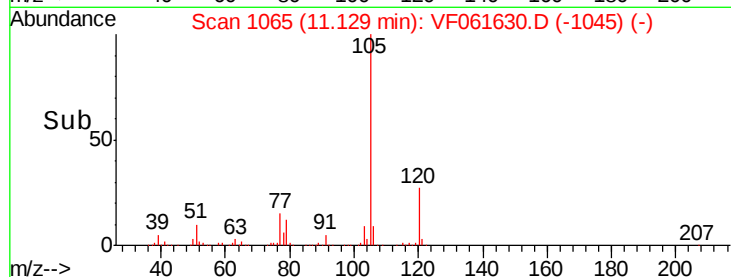
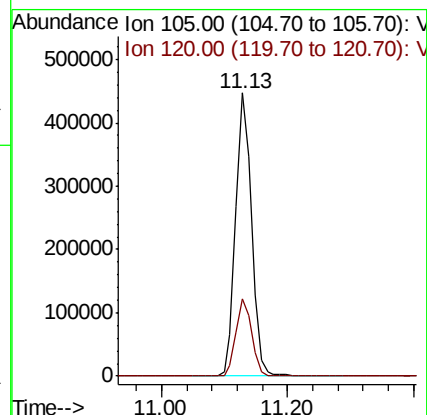
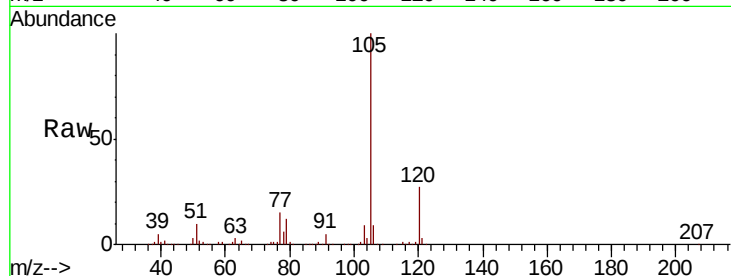
120 27.1 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 55.442 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Tgt Ion: 43 Resp: 186523

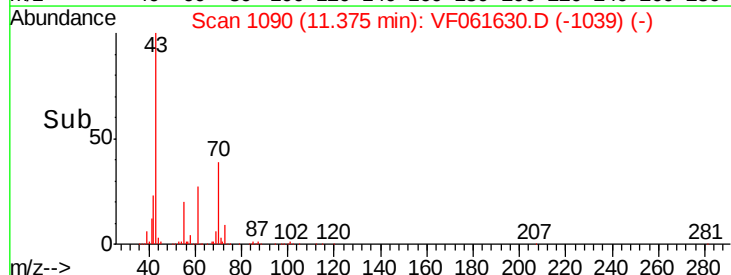
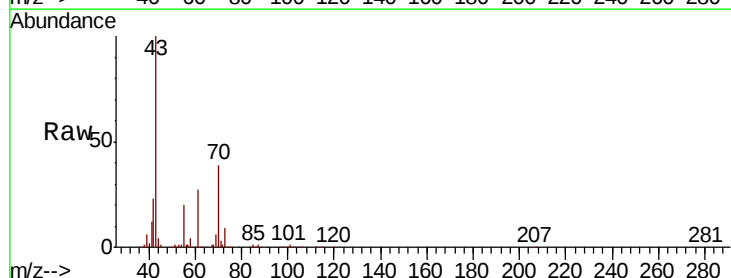
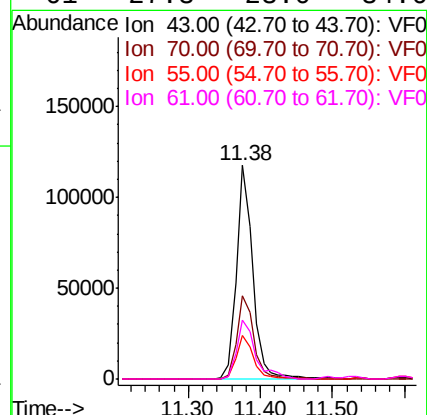
Ion Ratio Lower Upper

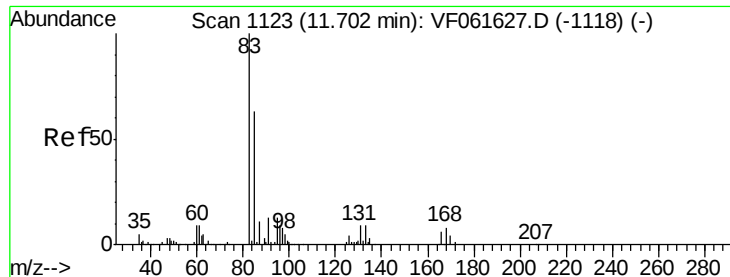
43 100

70 38.8 31.5 47.3

55 20.2 16.7 25.1

61 27.3 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.704 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

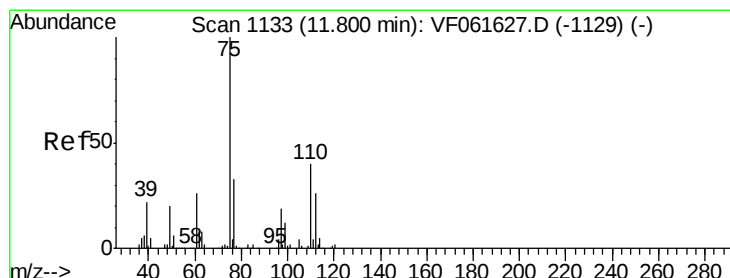
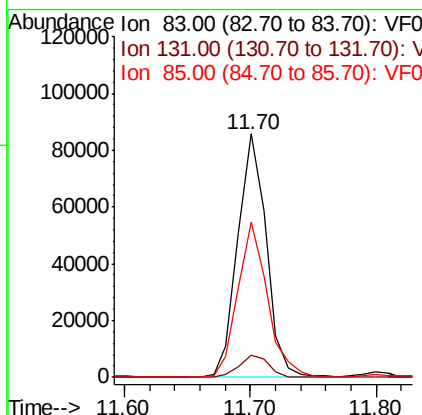
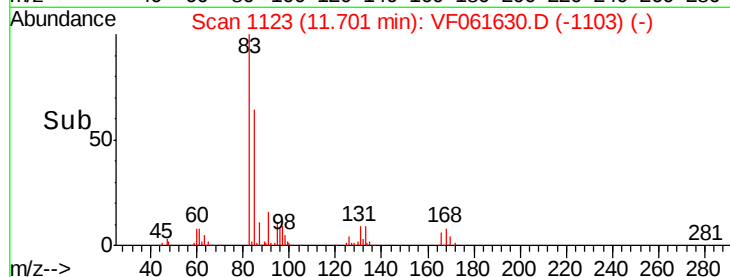
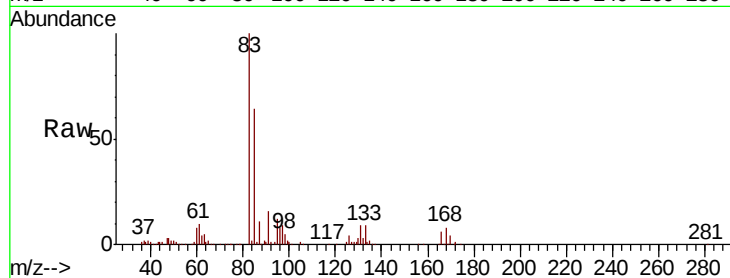
ClientSampleId :

ICVVF021319

Tot Ion:	83	Resp:	134856
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.4	13.2
85	64.0	31.5	94.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.517 ug/l

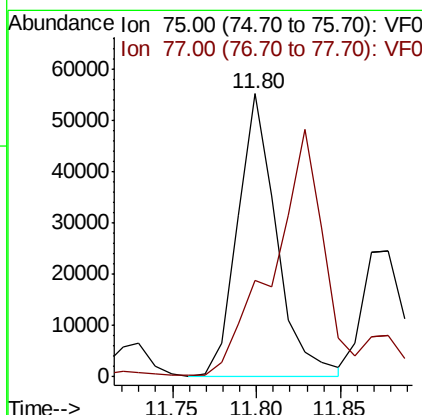
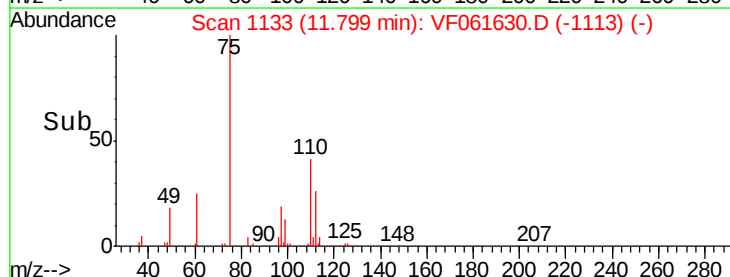
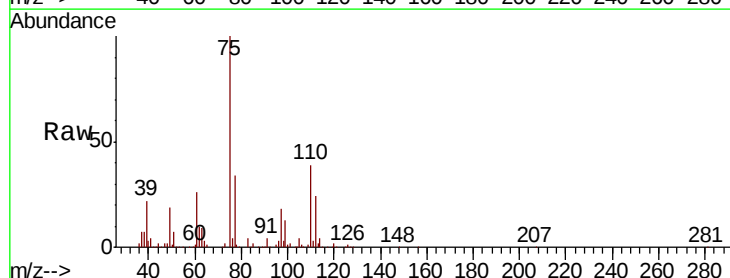
RT: 11.80 min Scan# 1133

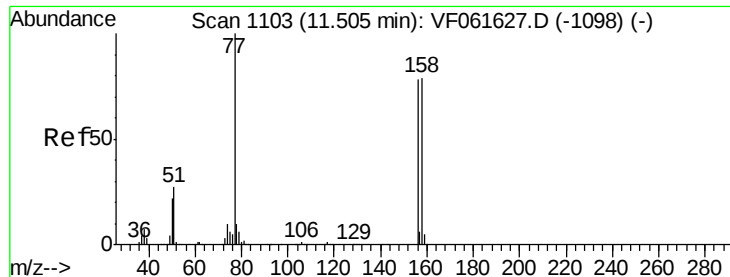
Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Tgt Ion:	75	Resp:	87952
Ion Ratio	Lower	Upper	
75	100		
77	33.9	16.6	49.7





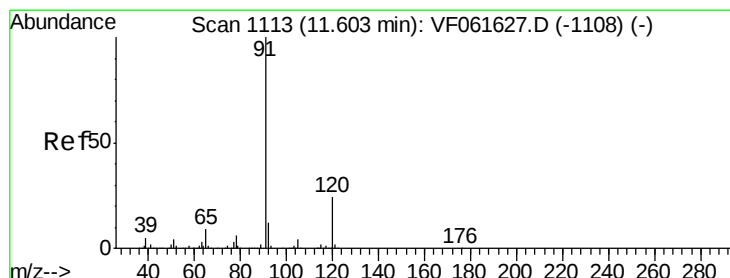
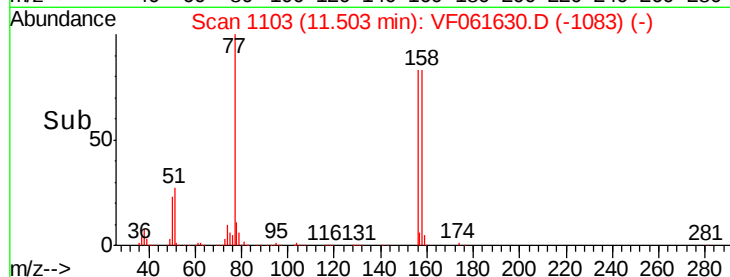
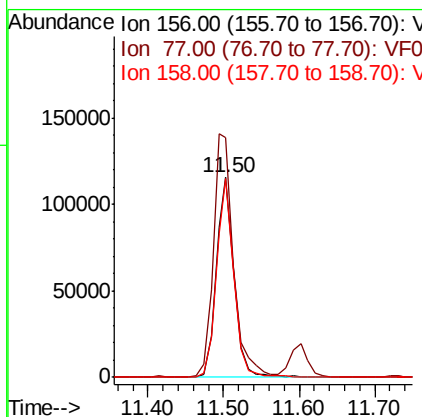
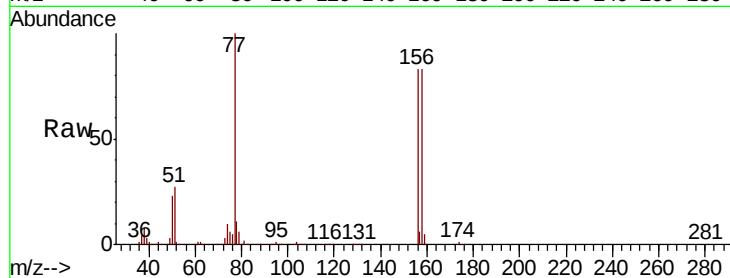
#77
Bromobenzene
Concen: 54.912 ug/l
RT: 11.50 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

Tot Ion	Ratio	Lower	Upper
156	100		
77	120.3	64.3	192.7
158	99.5	50.9	152.7

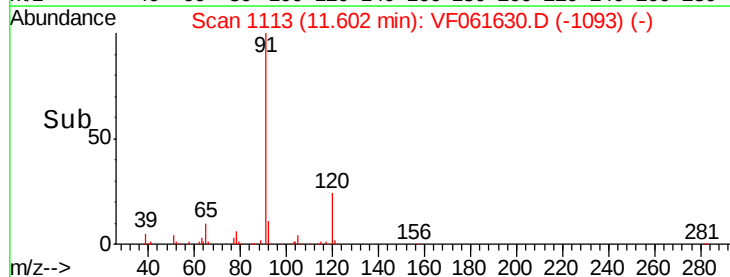
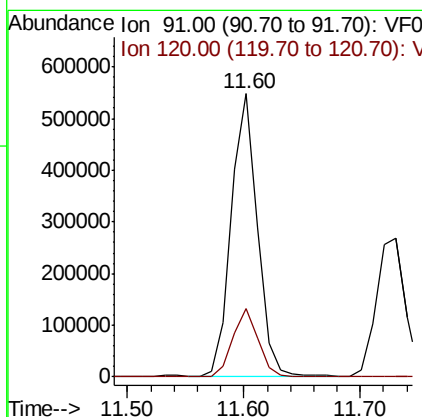
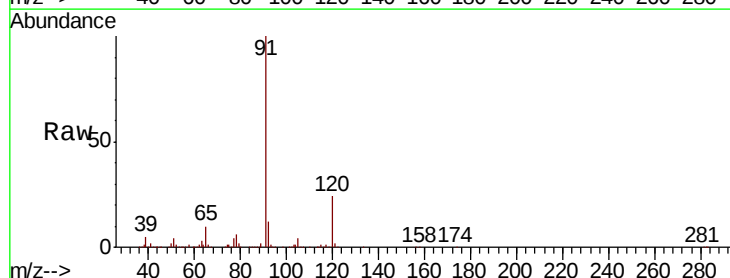
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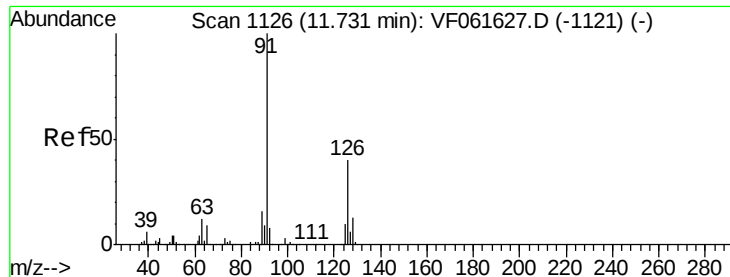
MMDadoda
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#78
n-propylbenzene
Concen: 53.085 ug/l
RT: 11.60 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.1	36.3





#79

2-Chlorotoluene

Concen: 51.069 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

Tot Ion: 91 Resp: 460026

Ion Ratio Lower Upper

91 100

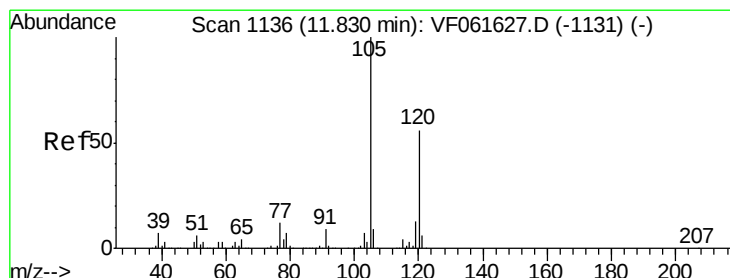
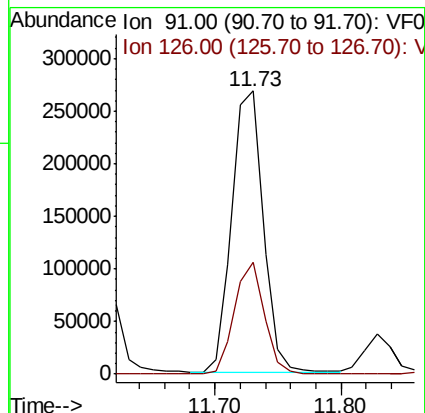
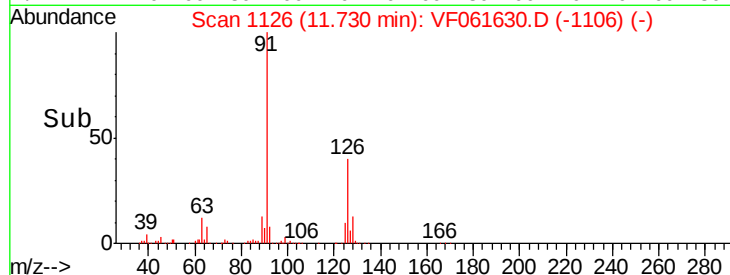
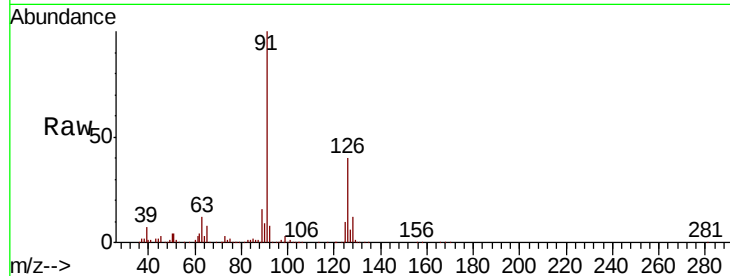
126 39.7 19.8 59.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.902 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VF061630.D

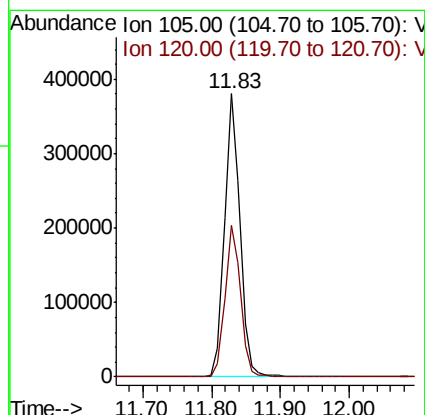
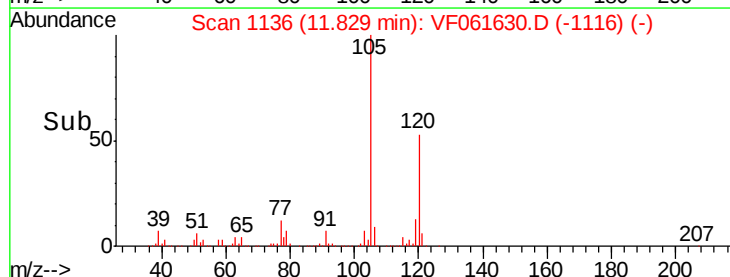
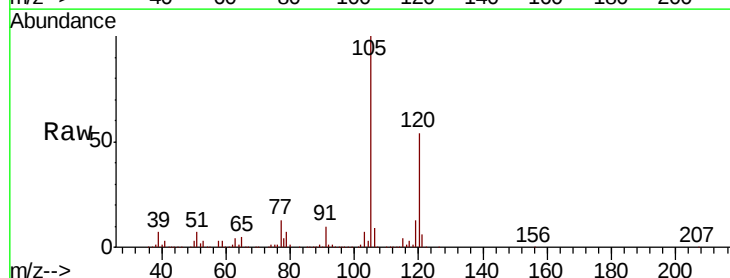
Acq: 13 Feb 2019 19:29

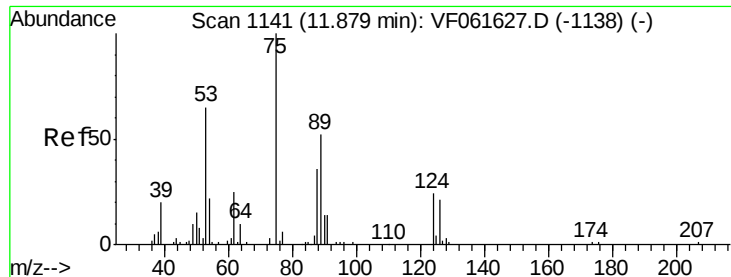
Tgt Ion: 105 Resp: 592630

Ion Ratio Lower Upper

105 100

120 53.6 27.9 83.6





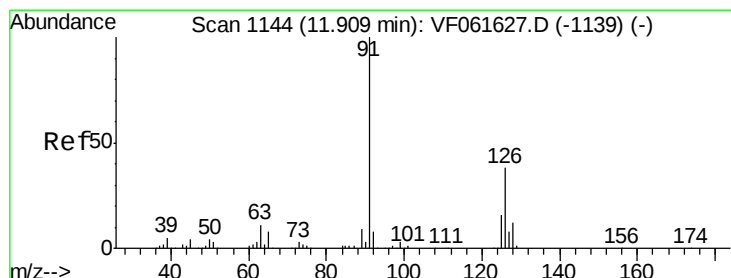
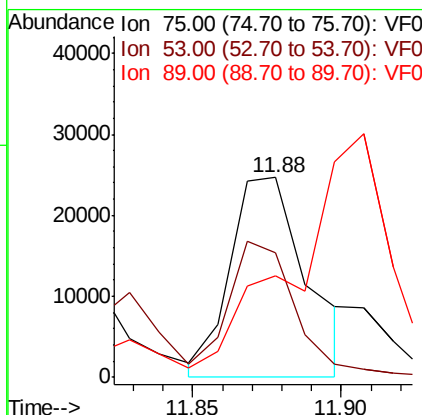
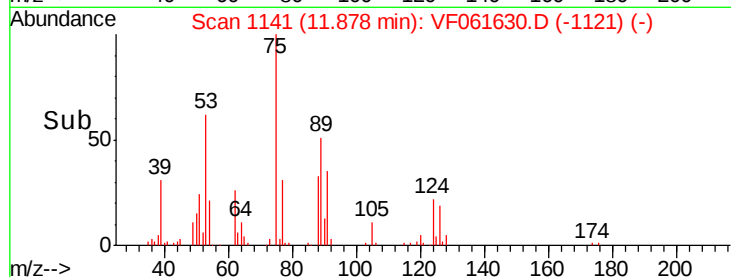
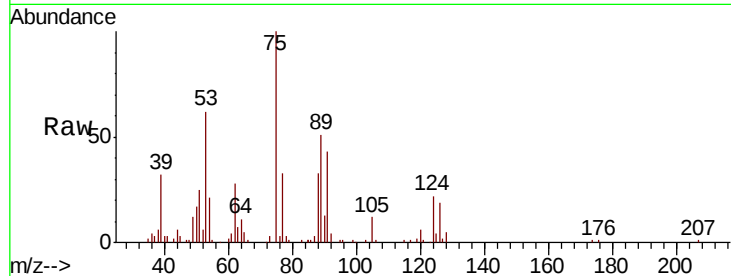
#81
trans-1,4-Dichloro-2-butene
Concen: 54.766 ug/l m
RT: 11.88 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

Tot Ion	Ratio	Lower	Upper
75	100		
53	62.4	53.7	80.5
89	50.9	41.6	62.4

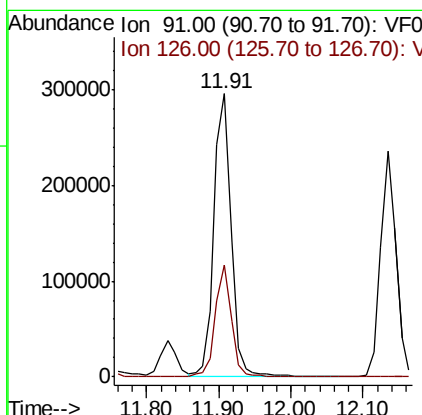
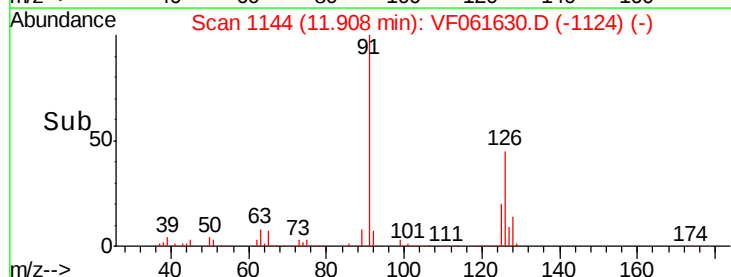
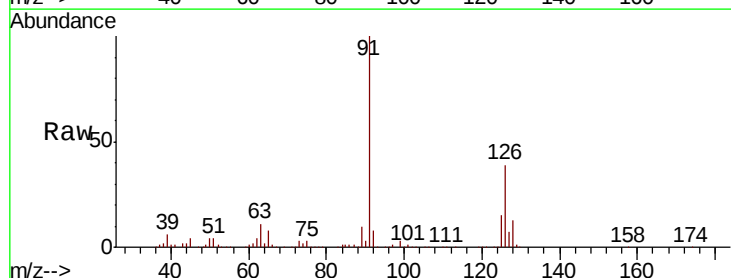
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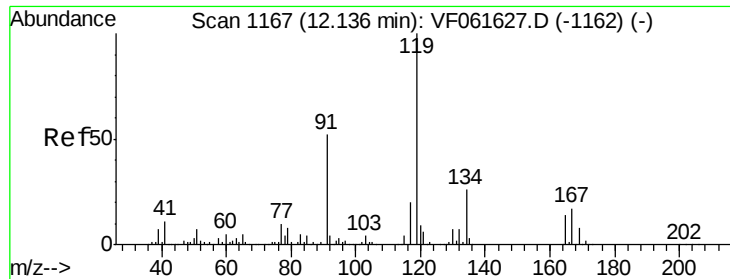
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#82
4-Chlorotoluene
Concen: 51.352 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	39.3	19.1	57.1





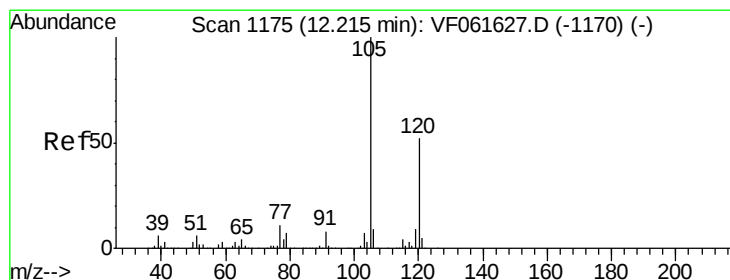
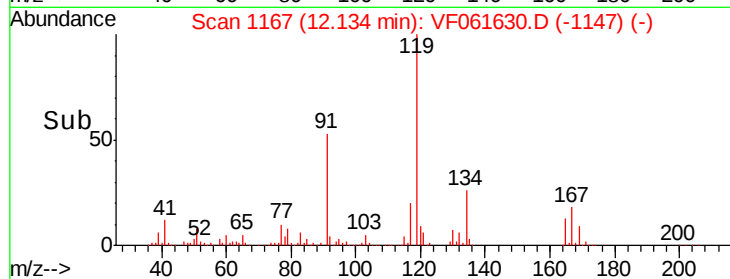
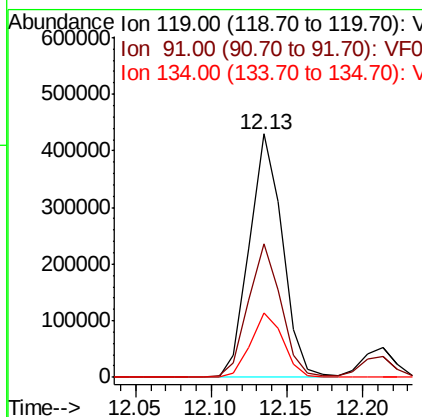
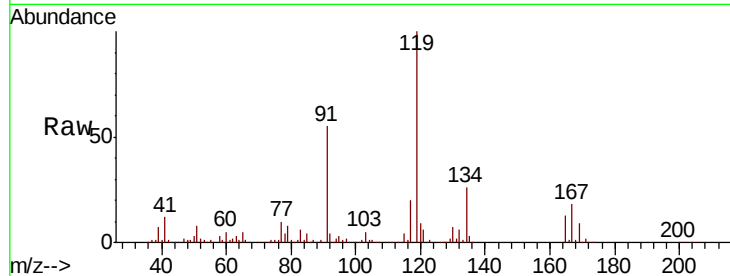
#83
tert-Butylbenzene
Concen: 53.318 ug/l
RT: 12.13 min Scan# 1167
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

Tot Ion	Ratio	Resp	Lower	Upper
119	100	661572		
91	54.7	26.3	78.8	
134	26.2	12.9	38.7	

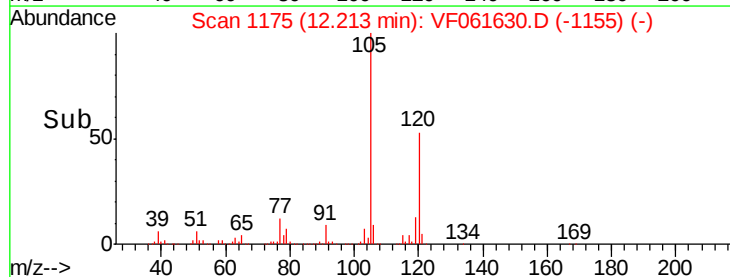
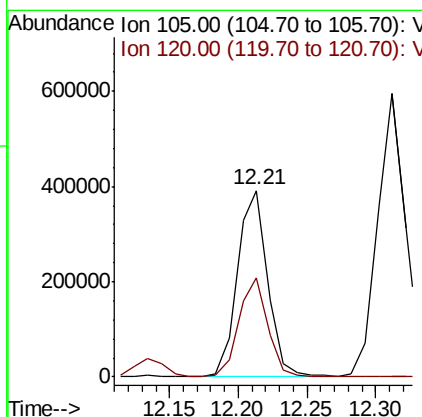
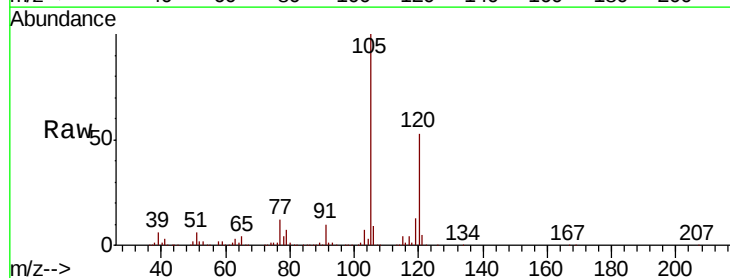
Manual Integrations
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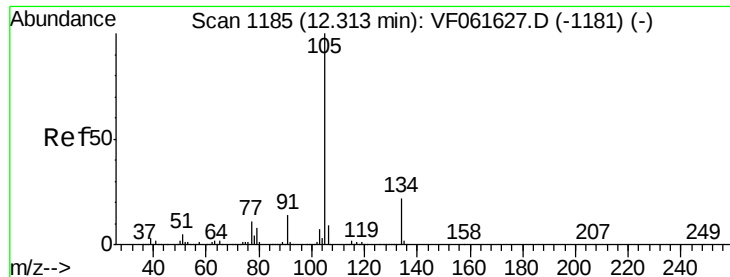
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#84
1,2,4-Trimethylbenzene
Concen: 53.621 ug/l
RT: 12.21 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	596774		
120	52.8	26.1	78.3	





#85

sec-Butylbenzene

Concen: 52.894 ug/l

RT: 12.31 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

ClientSampleId :

ICVVF021319

Tot Ion:105 Resp: 848709

Ion Ratio Lower Upper

105 100

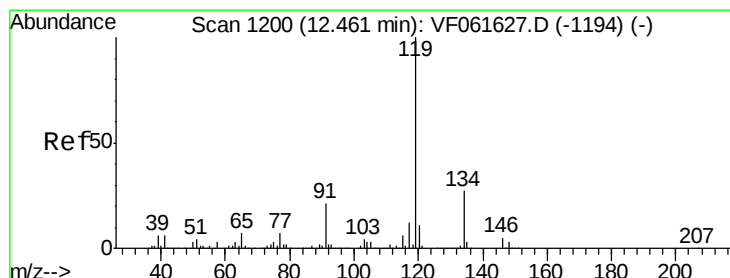
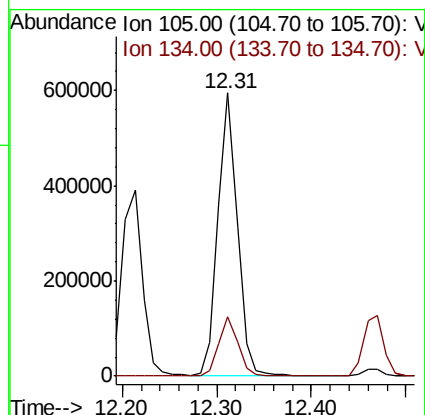
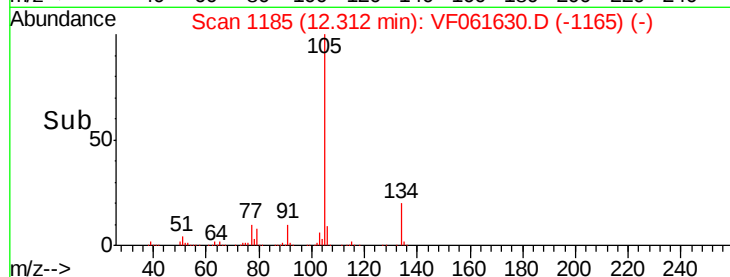
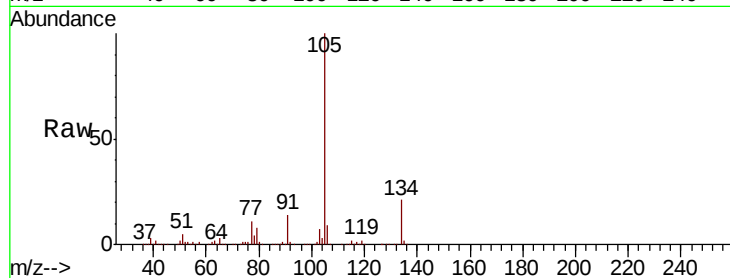
134 20.9 10.8 32.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.730 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

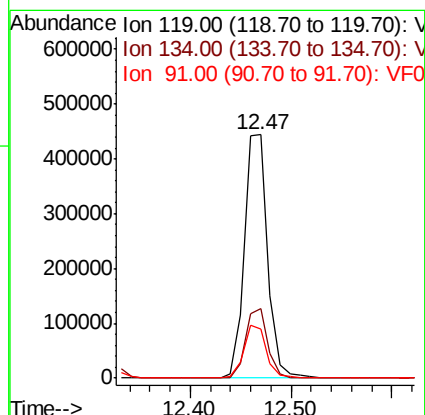
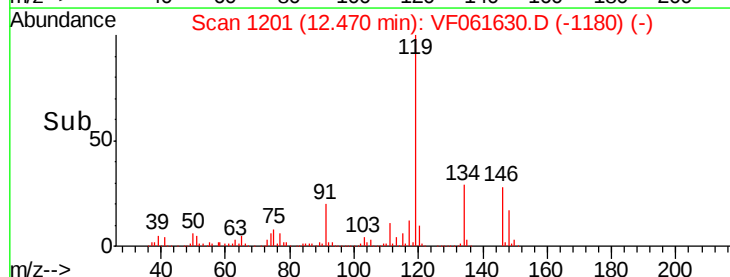
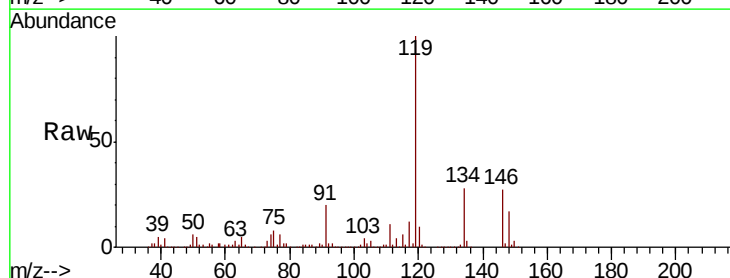
Tgt Ion:119 Resp: 710063

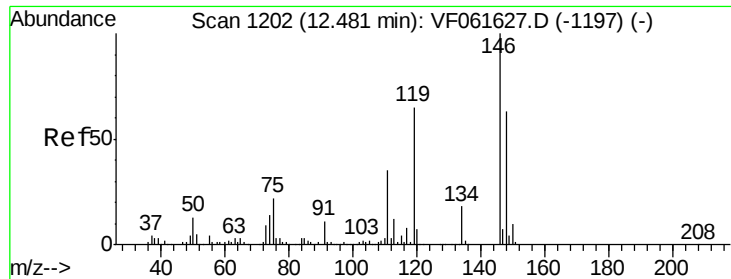
Ion Ratio Lower Upper

119 100

134 28.5 13.7 41.1

91 19.9 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 51.920 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Instrument :

MSVOA_F

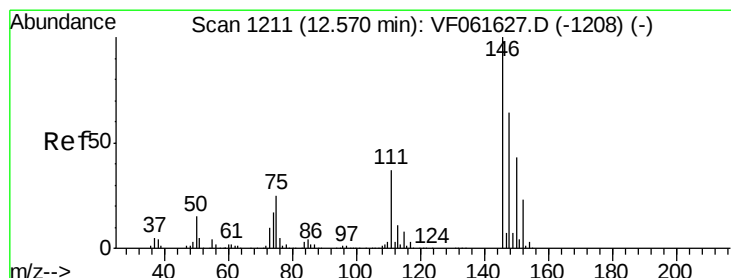
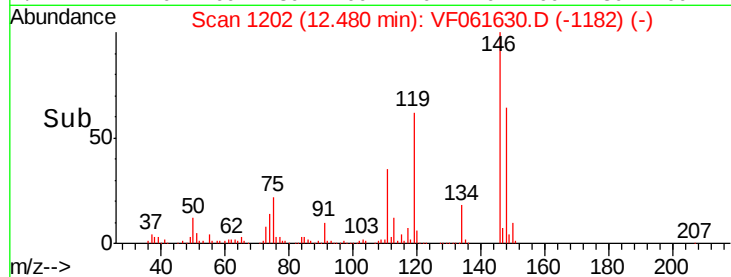
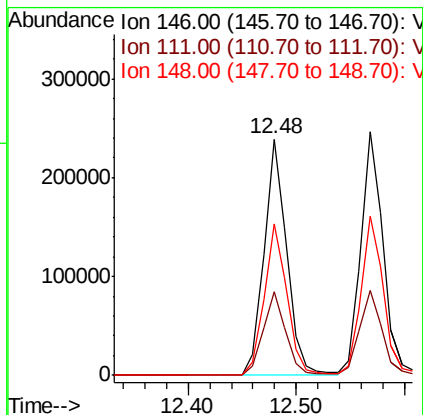
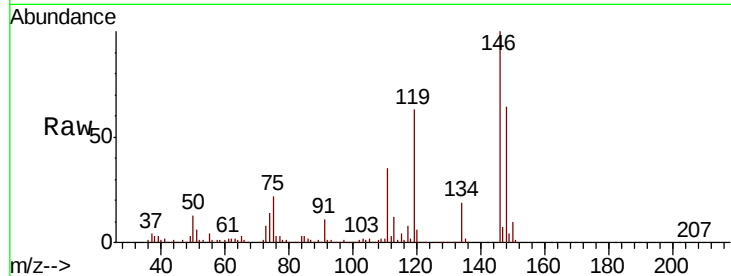
ClientSampleId :

ICVVF021319

Tot Ion:	146	Resp:	350488
Ion Ratio	Lower	Upper	
146	100		
111	35.2	17.5	52.6
148	63.8	31.4	94.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 54.879 ug/l

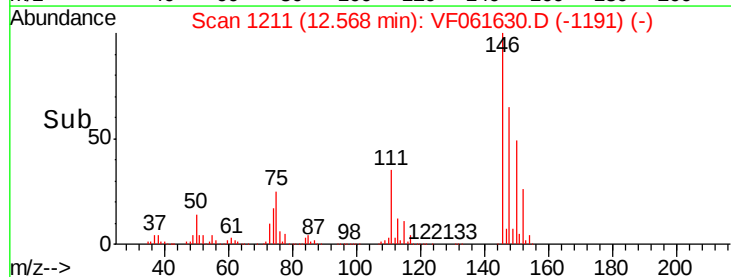
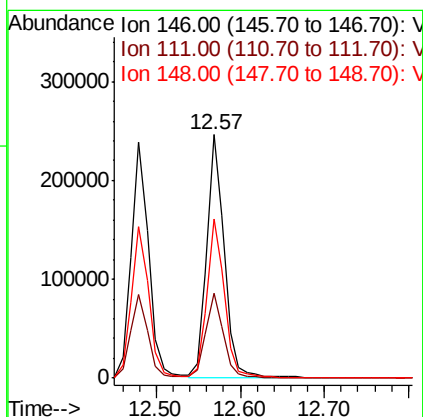
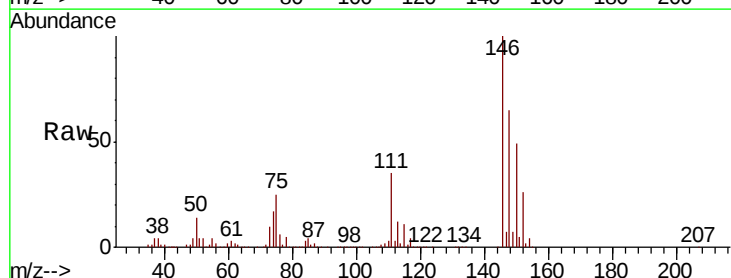
RT: 12.57 min Scan# 1211

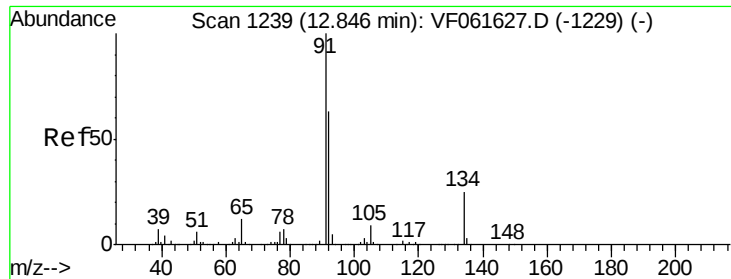
Delta R.T. -0.00 min

Lab File: VF061630.D

Acq: 13 Feb 2019 19:29

Tgt Ion:	146	Resp:	356282
Ion Ratio	Lower	Upper	
146	100		
111	35.0	18.4	55.4
148	65.2	32.2	96.6





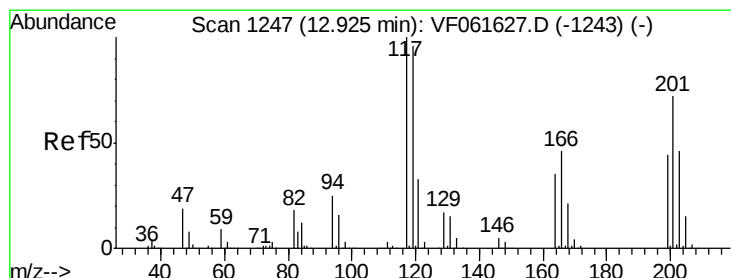
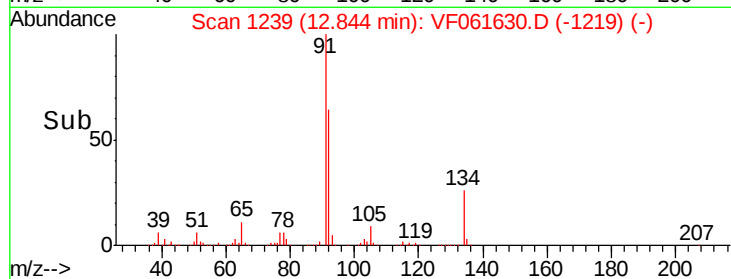
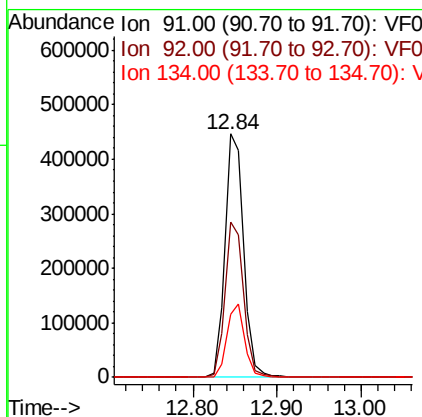
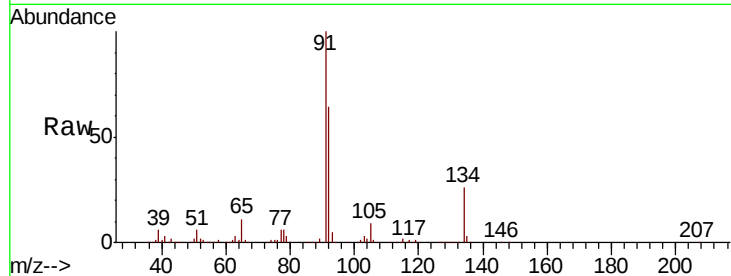
#89
n-Butylbenzene
Concen: 53.836 ug/l
RT: 12.84 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.5	31.4	94.3
134	26.1	12.3	36.9

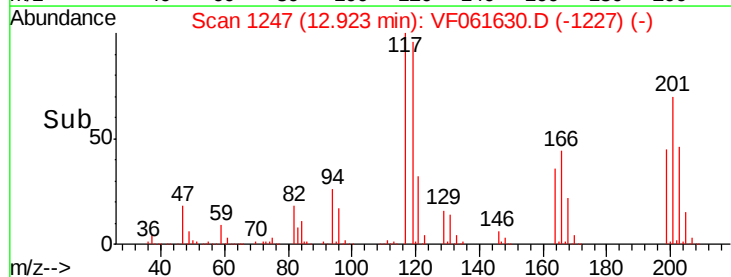
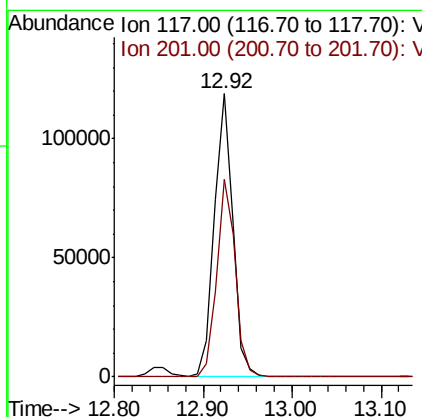
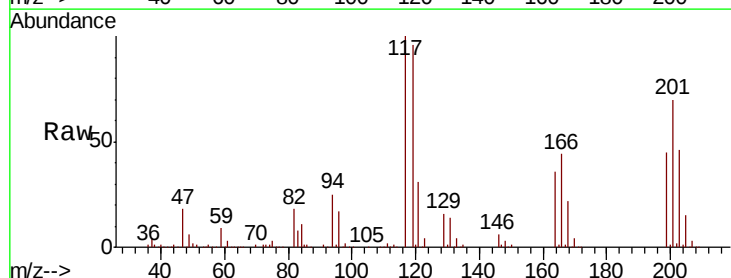
Manual Integrations
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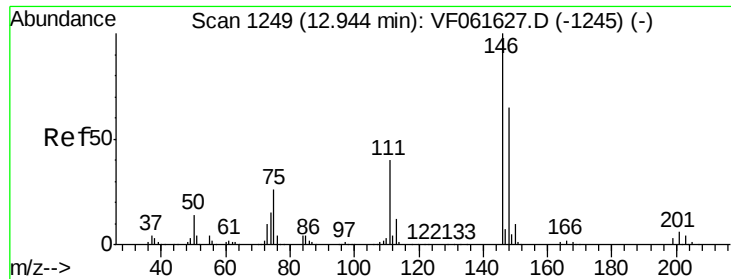
MMDadoda
2/14/2019 12:42:18 PM



#90
Hexachloroethane
Concen: 55.094 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.8	36.2	108.6





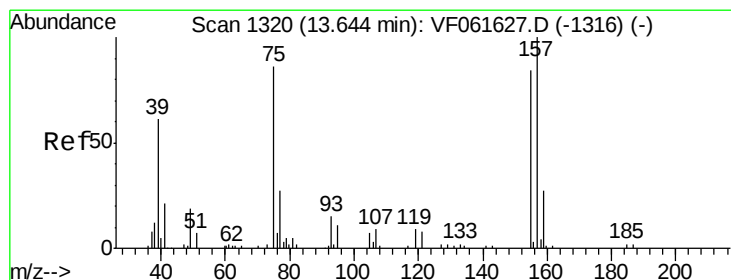
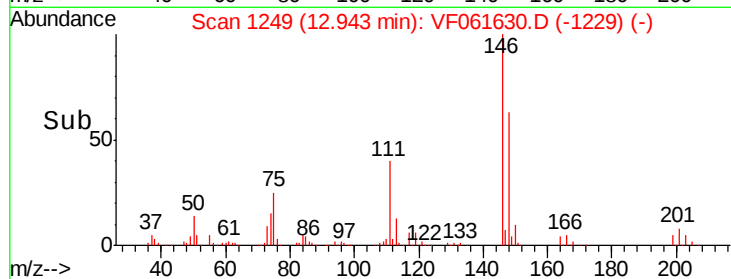
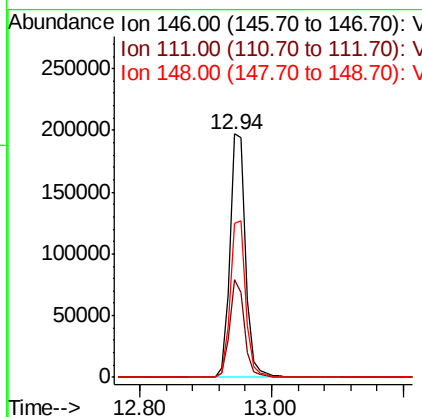
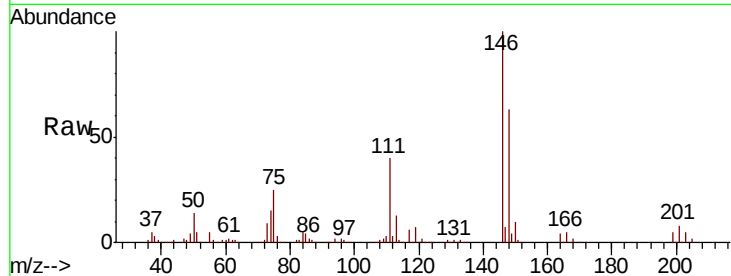
#91
 1,2-Dichlorobenzene
 Concen: 50.908 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF021319

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.2	60.5
148	63.2	32.3	96.9

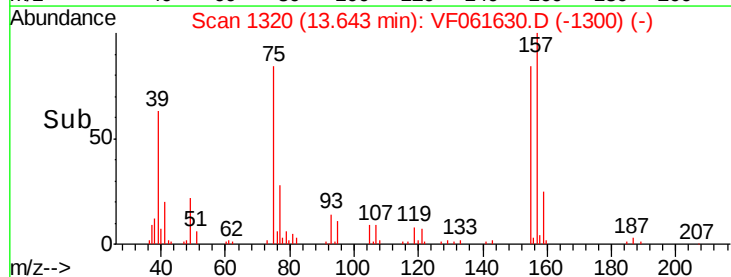
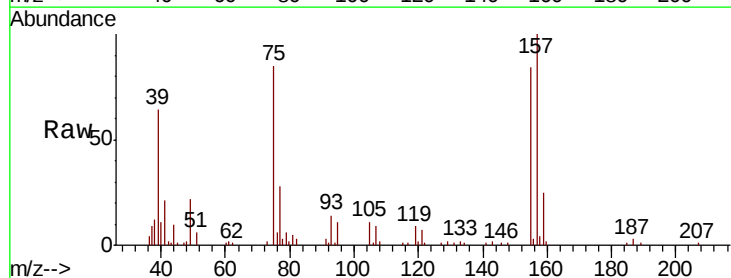
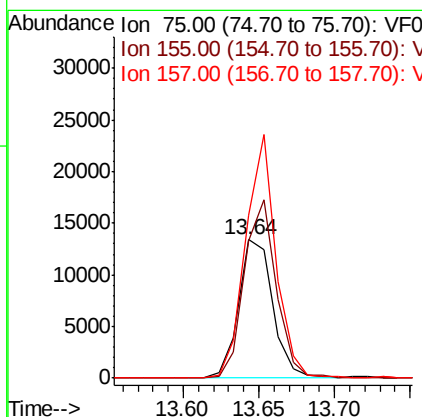
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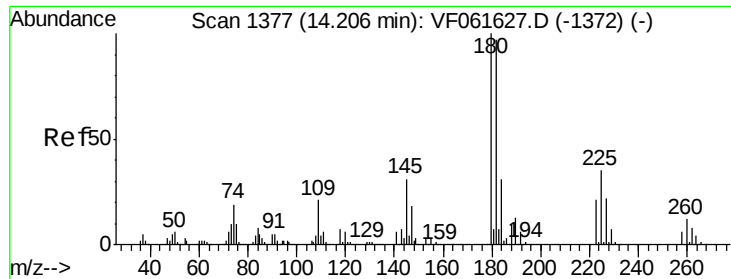
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.943 ug/l
 RT: 13.64 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.2	48.9	146.8
157	117.4	58.3	174.8





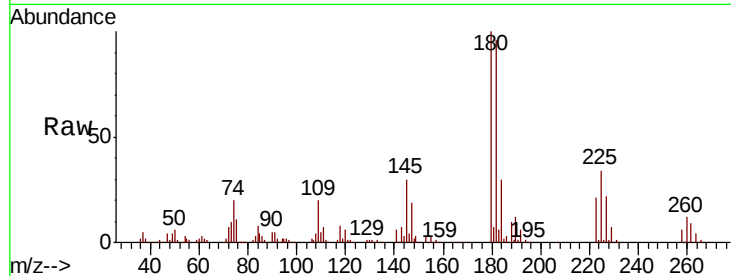
#93
 1,2,4-Trichlorobenzene
 Concen: 51.747 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF021319

Tot Ion	Ratio	Resp	Lower	Upper
180	100	238154		
182	95.9	48.6	145.9	
145	29.9	15.3	45.9	

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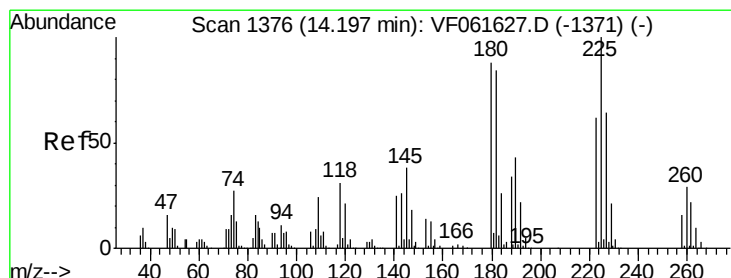
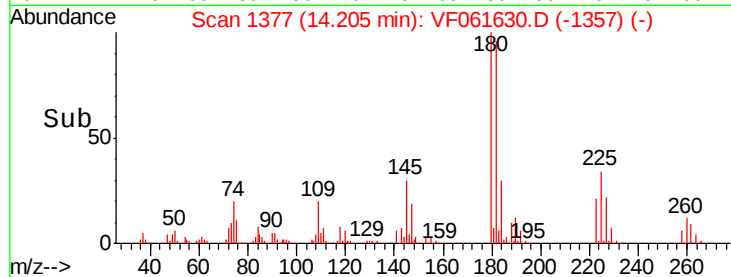
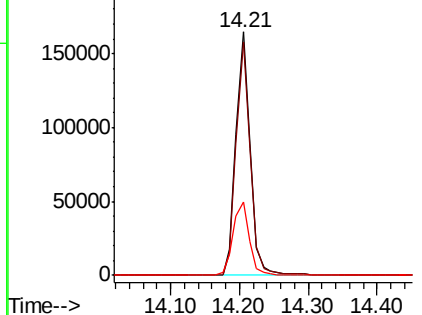


Abundance

Ion 180.00 (179.70 to 180.70): V

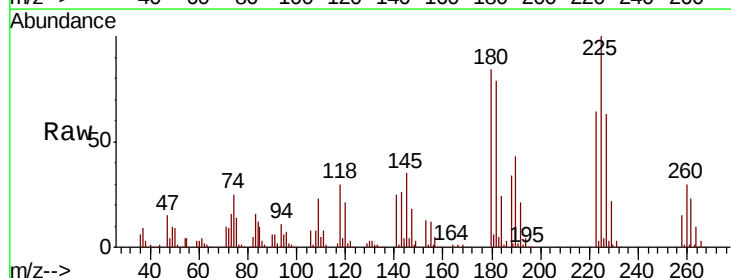
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 53.326 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF061630.D
 Acq: 13 Feb 2019 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	151573		
223	63.8	30.9	92.7	
227	63.5	32.1	96.3	

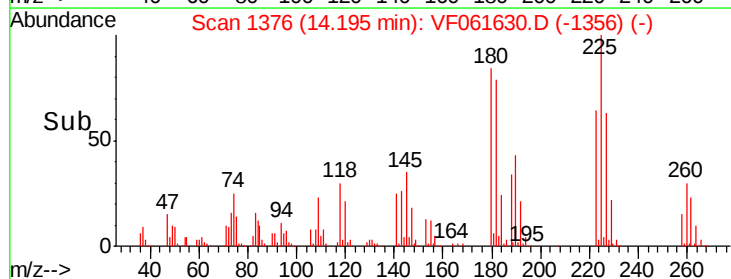
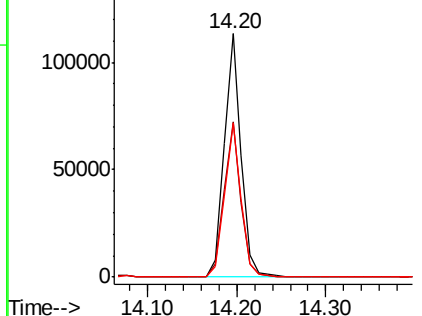


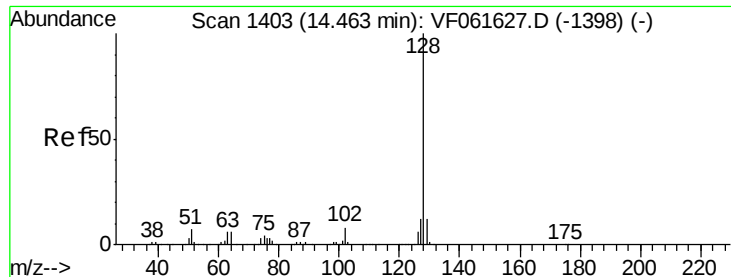
Abundance

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





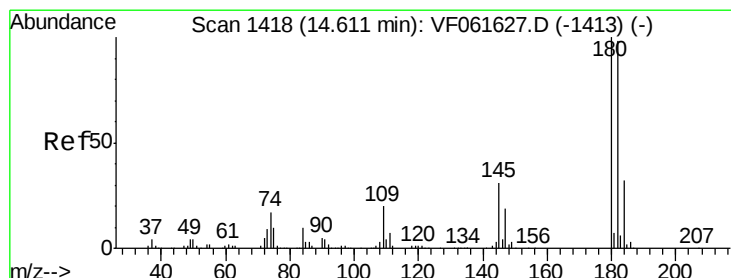
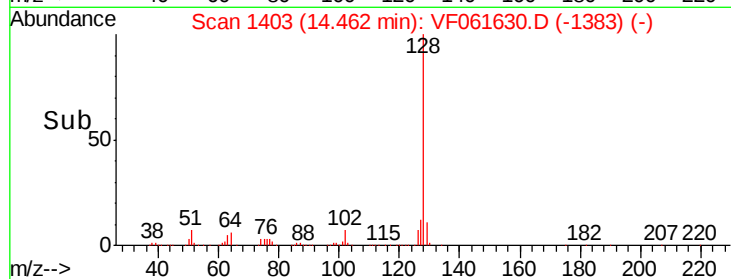
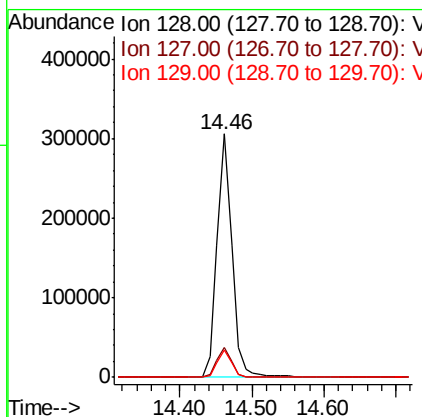
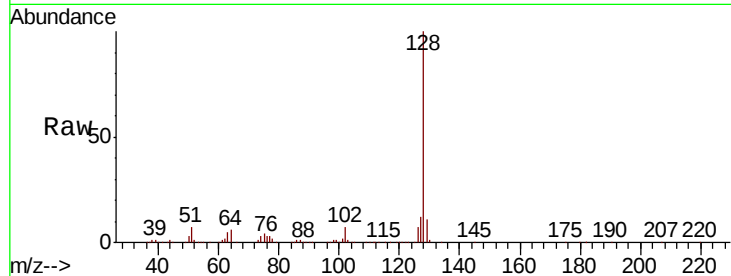
#95
Naphthalene
Concen: 54.056 ug/l
RT: 14.46 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Instrument :
MSVOA_F
ClientSampleId :
ICVVF021319

Tot Ion	Ratio	Resp	Lower	Upper
128	100	435277		
127	12.1		9.8	14.6
129	11.0		9.4	14.2

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#96
1,2,3-Trichlorobenzene
Concen: 53.643 ug/l
RT: 14.61 min Scan# 1418
Delta R.T. -0.00 min
Lab File: VF061630.D
Acq: 13 Feb 2019 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	226600		
182	97.3		49.0	147.2
145	30.7		15.4	46.1

