

Data File : VF062477.D
Acq On : 12 May 2019 00:35
Operator : FY/SY
Sample : VF0511SBSD02
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBSD02

Manual Integrations
APPROVED

MMDadoda
5/12/2019 12:05:19 PM

Quant Time: May 12 05:08:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	311936	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	404069	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	358683	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	228425	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	145308	49.29	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	4.32	113	178768	55.53	ug/l	0.01
Spiked Amount	50.000		Recovery	=	111.06%	
50) Toluene-d8	7.73	98	389386	49.97	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	11.50	95	185299	52.71	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	81969	22.705	ug/l	90
3) Chloromethane	1.14	50	49831	20.929	ug/l	99
4) Vinyl Chloride	1.19	62	46869	19.735	ug/l	99
5) Bromomethane	1.38	94	41675	21.842	ug/l	83
6) Chloroethane	1.43	64	24596	20.600	ug/l #	87
7) Trichlorofluoromethane	1.56	101	108794	22.079	ug/l	90
8) Diethyl Ether	1.71	74	16442	22.052	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.91	101	63157	22.450	ug/l	97
10) Methyl Iodide	1.98	142	106694	23.014	ug/l	99
11) Tert butyl alcohol	2.71	59	15081	90.518	ug/l #	83
12) 1,1-Dichloroethene	1.87	96	50479	21.107	ug/l	93
13) Acrolein	2.10	56	8810	70.378	ug/l	89
14) Allyl chloride	2.21	41	63385m	30.003	ug/l	
15) Acrylonitrile	3.09	53	31419	99.553	ug/l	94
16) Acetone	2.35	43	51947	87.109	ug/l	94
17) Carbon Disulfide	1.91	76	108747	20.854	ug/l	98
18) Methyl Acetate	2.46	43	22974	19.195	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	104461	21.160	ug/l	99
20) Methylene Chloride	2.29	84	49584m	22.981	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	45001	19.749	ug/l	97
22) Diisopropyl ether	2.95	45	140851	21.332	ug/l	99
23) Vinyl Acetate	3.36	43	309152	105.053	ug/l	99
24) 1,1-Dichloroethane	3.02	63	90671	22.721	ug/l	96
25) 2-Butanone	4.53	43	69168	92.322	ug/l #	89
26) 2,2-Dichloropropane	3.79	77	52875	23.726	ug/l	99
27) cis-1,2-Dichloroethene	3.66	96	63007	22.121	ug/l	96
28) Bromochloromethane	3.91	49	36520	20.179	ug/l #	95
29) Tetrahydrofuran	4.28	42	33283	96.660	ug/l	94
30) Chloroform	4.06	83	129816	24.079	ug/l	97
31) Cyclohexane	3.90	56	66249	20.799	ug/l	93
32) 1,1,1-Trichloroethane	4.31	97	117890	25.514	ug/l	97
36) 1,1-Dichloropropene	4.48	75	75160	21.653	ug/l	97
37) Ethyl Acetate	4.32	43	30954	19.709	ug/l #	96
38) Carbon Tetrachloride	4.20	117	99107m	26.204	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	73509	21.116	ug/l	96
40) Benzene	4.84	78	164250	21.489	ug/l	99
41) Methacrylonitrile	4.95	41	17456	20.973	ug/l	95
42) 1,2-Dichloroethane	5.14	62	69159	21.634	ug/l	96
43) Isopropyl Acetate	7.12	43	33455	21.190	ug/l #	96
44) Trichloroethene	5.70	130	65793	23.432	ug/l	98
45) 1,2-Dichloropropane	6.42	63	37669	21.758	ug/l	92
46) Dibromomethane	6.28	93	29791	20.754	ug/l	97
47) Bromodichloromethane	6.56	83	80918	22.547	ug/l	97
48) Methyl methacrylate	6.89	41	23962	21.476	ug/l	93
49) 1,4-Dioxane	6.88	88	3854	327.062	ug/l #	86
51) 4-Methyl-2-Pentanone	8.42	43	129419	108.178	ug/l	97
52) Toluene	7.79	92	109554	23.233	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	59784	22.025	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	70191	22.219	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	34928	23.334	ug/l	92
56) Ethyl methacrylate	8.77	69	32054	20.286	ug/l	94
57) 1,3-Dichloropropane	9.01	76	51323	22.698	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.46	63	48139	101.333	ug/l	95
59) 2-Hexanone	9.63	43	90265	109.095	ug/l	94
60) Dibromochloromethane	8.87	129	55071	22.494	ug/l	98
61) 1,2-Dibromoethane	9.15	107	37667	21.410	ug/l	99
64) Tetrachloroethene	8.32	164	67774	23.275	ug/l	94
65) Chlorobenzene	9.94	112	136068	22.928	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	63425	21.185	ug/l	97
67) Ethyl Benzene	10.04	91	234205	22.537	ug/l	99
68) m/p-Xylenes	10.27	106	176669	46.076	ug/l	96
69) o-Xylene	10.82	106	93671	22.608	ug/l	99
70) Styrene	10.90	104	132462	21.332	ug/l	99
71) Bromoform	10.89	173	33202	20.243	ug/l #	97
73) Isopropylbenzene	11.23	105	299379	22.108	ug/l	99
74) N-amyl acetate	11.45	43	60897	20.946	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	43251	20.398	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	34151	21.111	ug/l #	100
77) Bromobenzene	11.59	156	78677	22.137	ug/l	98
78) n-propylbenzene	11.68	91	331641	23.003	ug/l	99
79) 2-Chlorotoluene	11.81	91	199172	22.216	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	263314	22.184	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	11656m	19.169	ug/l	
82) 4-Chlorotoluene	11.97	91	196118	22.149	ug/l	100
83) tert-Butylbenzene	12.20	119	265587	21.291	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	257266	22.148	ug/l	97
85) sec-Butylbenzene	12.38	105	336824	22.184	ug/l	99
86) p-Isopropyltoluene	12.53	119	308695	21.883	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	151818	23.389	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	142400	22.730	ug/l	99
89) n-Butylbenzene	12.90	91	282750	22.529	ug/l	97
90) Hexachloroethane	12.98	117	72340	20.538	ug/l	97
91) 1,2-Dichlorobenzene	13.00	146	140290	22.330	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	9082	19.119	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051119\
Quantitation Report (QT Reviewed)

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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	123685	21.949	ug/l	99
94) Hexachlorobutadiene	14.23	225	91855	21.870	ug/l	99
95) Naphthalene	14.50	128	167239	19.740	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	116551	21.349	ug/l	98

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

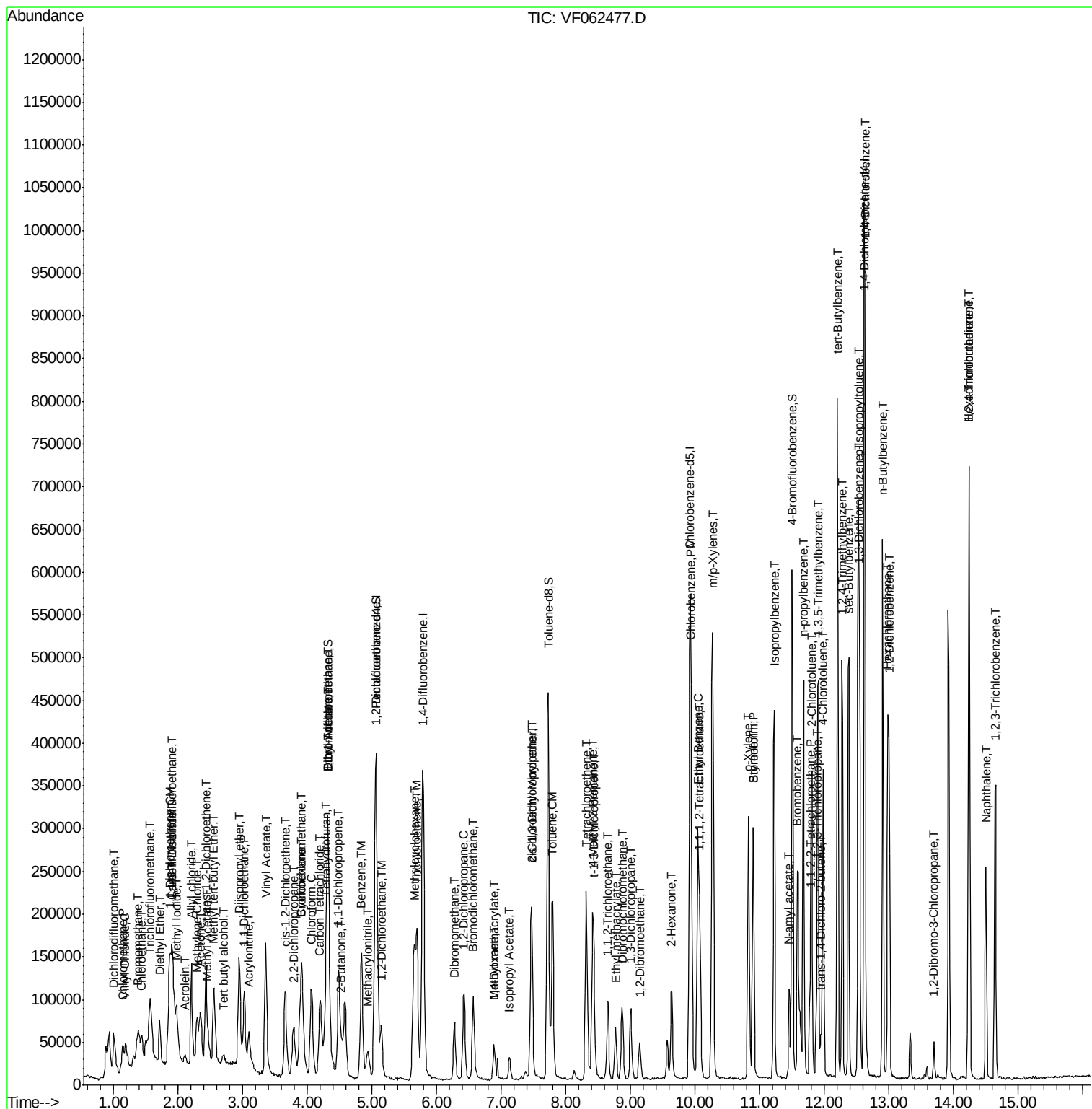
Data File : VF062477.D
Acq On : 12 May 2019 00:35
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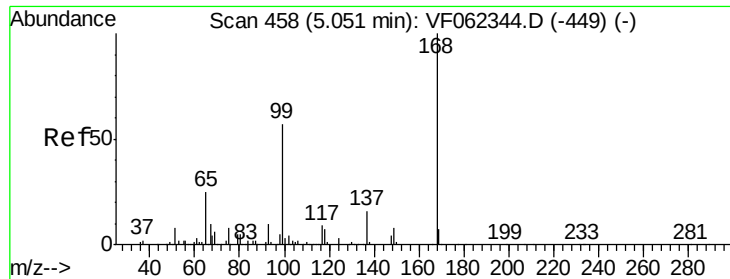
Instrument :
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Client Sample ID :
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Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

Tgt Ion:168 Resp: 311936

Ion Ratio Lower Upper

168 100

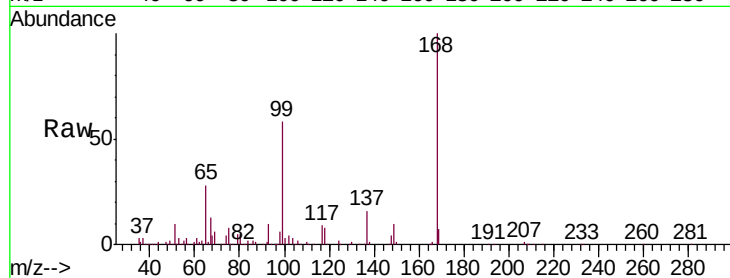
99 58.4 45.9 68.9

Manual Integrations

APPROVED

MMDadoda

5/12/2019 12:05:19 PM



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

120000

100000

80000

60000

40000

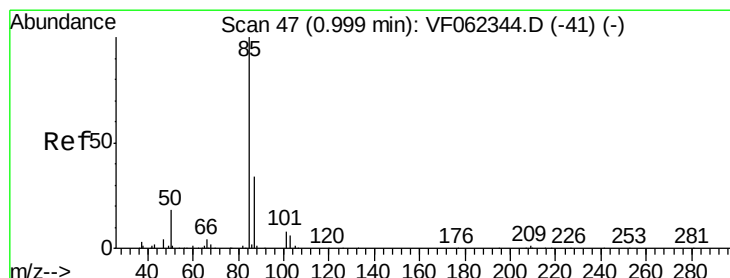
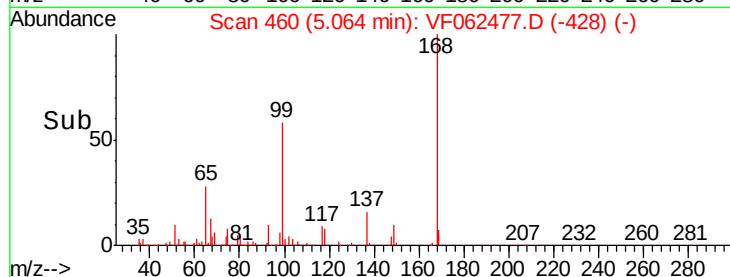
20000

0

5.00

5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 22.705 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062477.D

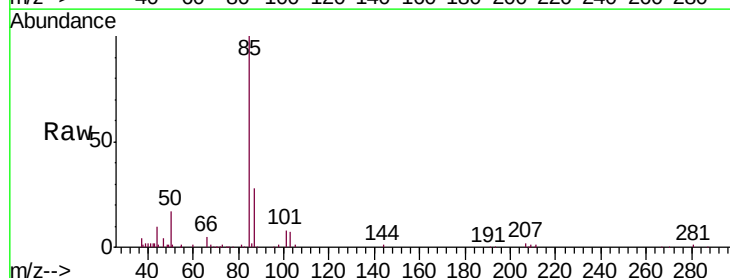
Acq: 12 May 2019 00:35

Tgt Ion: 85 Resp: 81969

Ion Ratio Lower Upper

85 100

87 27.7 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

30000

25000

20000

15000

10000

5000

0

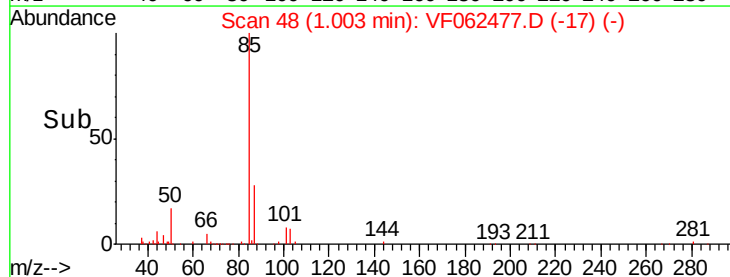
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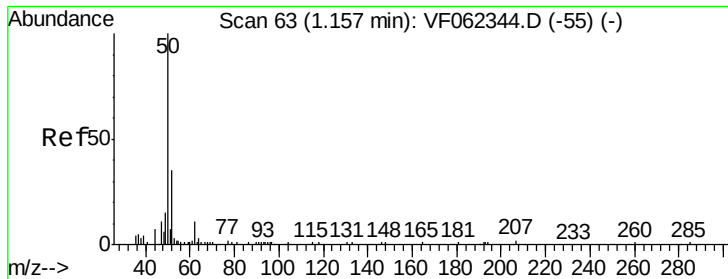
1.00

1.10

1.20

Time-->





#3

Chloromethane

Concen: 20.929 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.02 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

Tgt Ion: 50 Resp: 49831

Ion Ratio Lower Upper

50 100

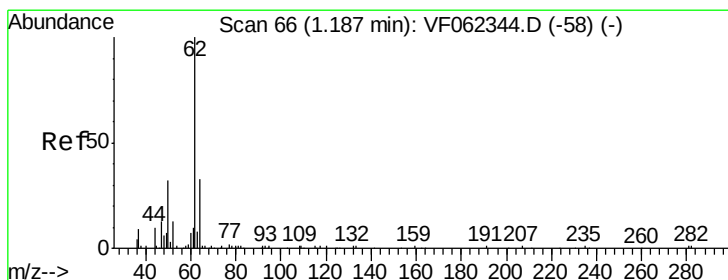
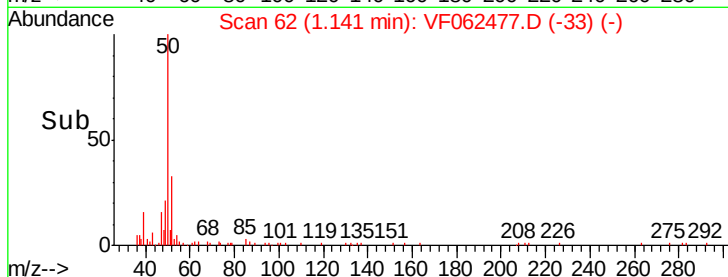
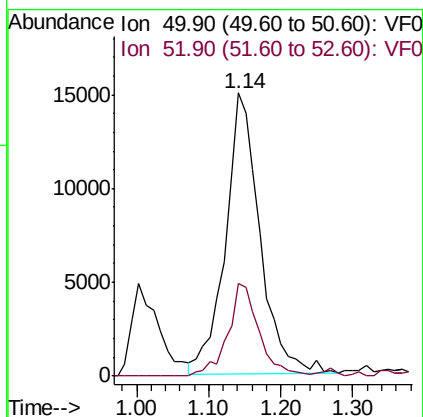
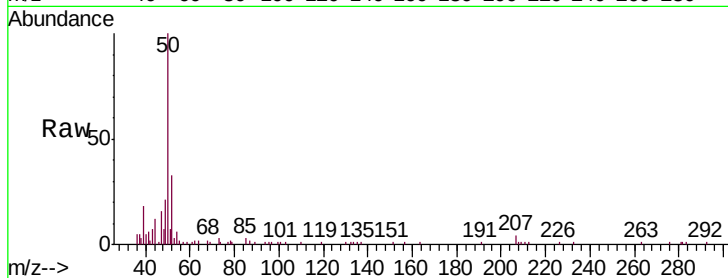
52 33.1 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

5/12/2019 12:05:19 PM



#4

Vinyl Chloride

Concen: 19.735 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062477.D

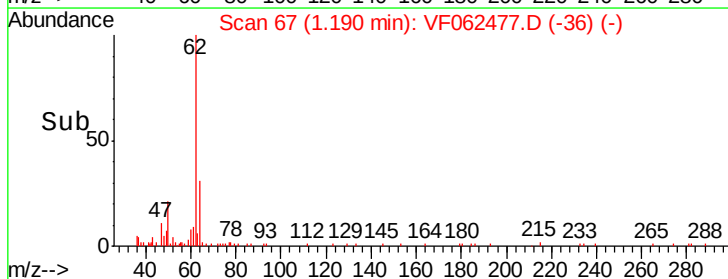
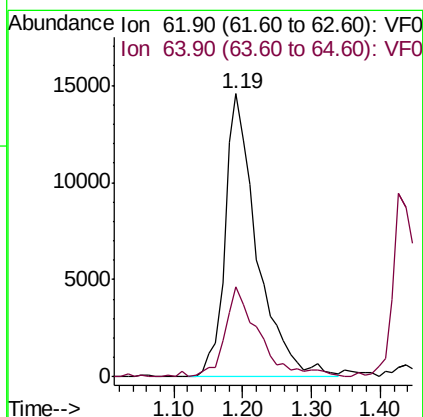
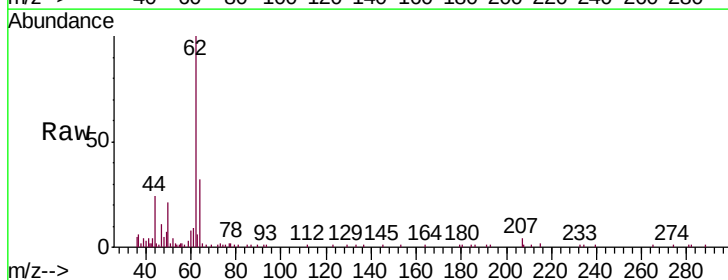
Acq: 12 May 2019 00:35

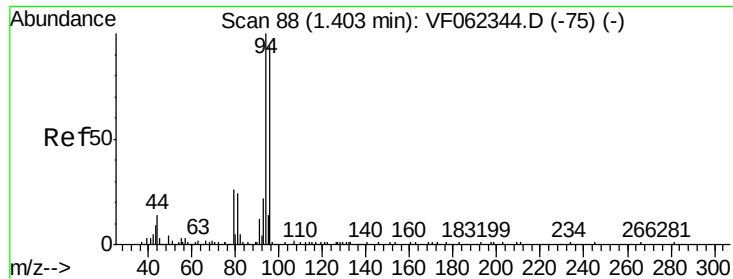
Tgt Ion: 62 Resp: 46869

Ion Ratio Lower Upper

62 100

64 31.9 26.1 39.1





#5

Bromomethane

Concen: 21.842 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.03 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

Tgt Ion: 94 Resp: 41675

Ion Ratio Lower Upper

94 100

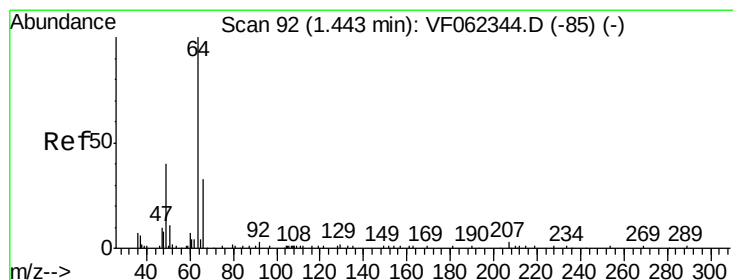
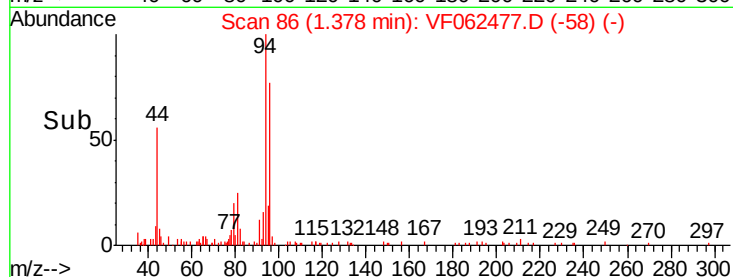
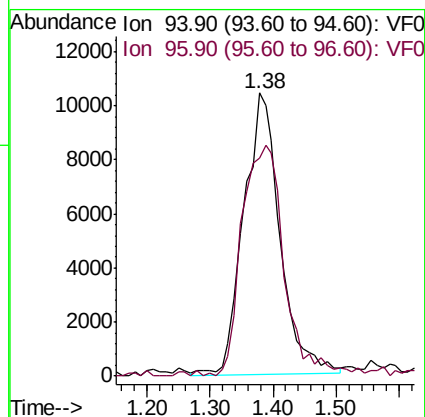
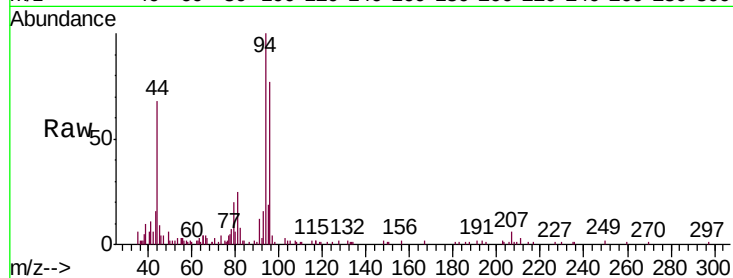
96 77.7 75.4 113.2

Manual Integrations

APPROVED

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#6

Chloroethane

Concen: 20.600 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.02 min

Lab File: VF062477.D

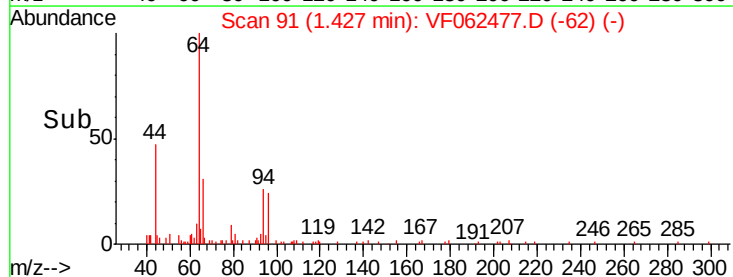
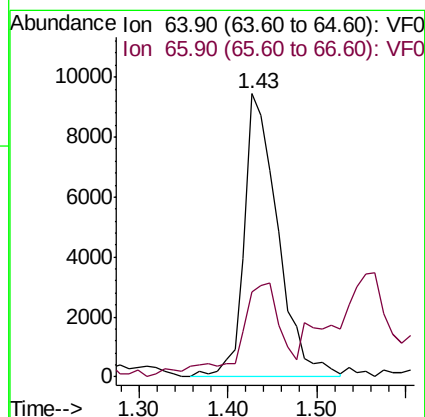
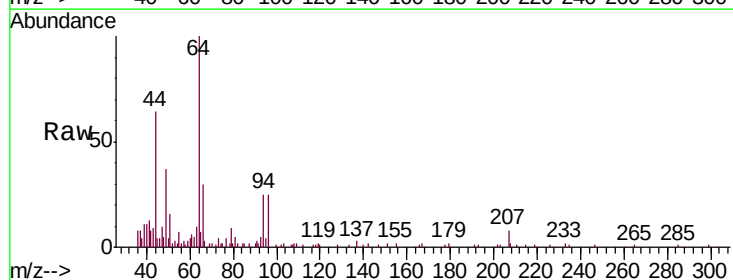
Acq: 12 May 2019 00:35

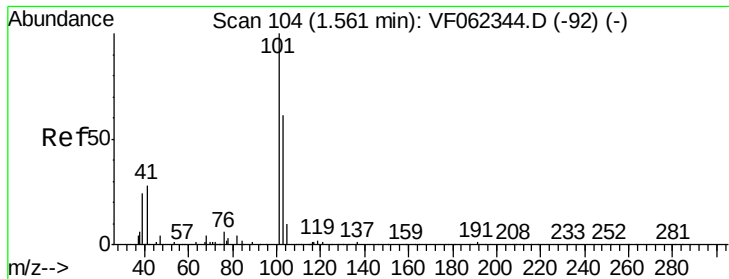
Tgt Ion: 64 Resp: 24596

Ion Ratio Lower Upper

64 100

66 26.1 26.6 39.8#





#7

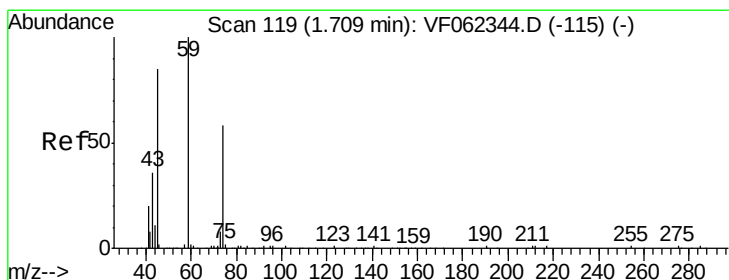
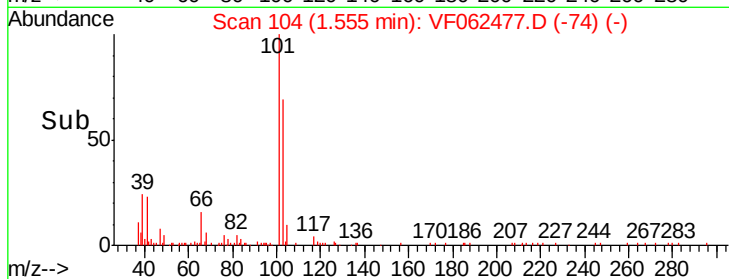
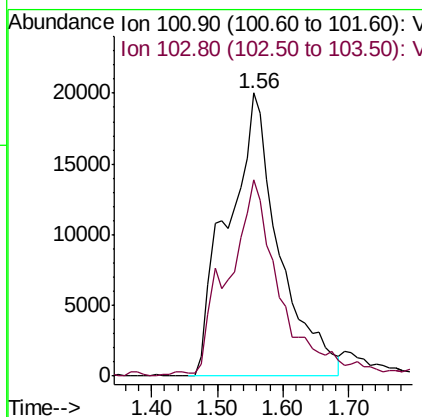
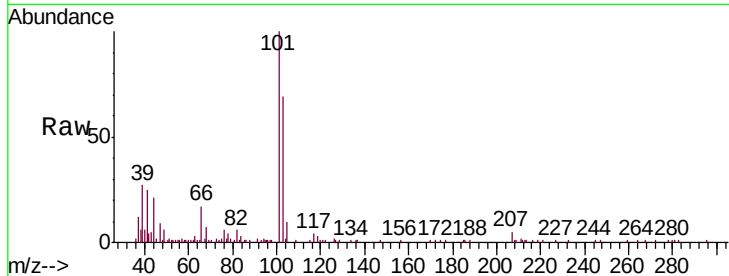
Trichlorofluoromethane
Concen: 22.079 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBSD02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	68.3	48.5	72.7

Manual Integrations
APPROVED

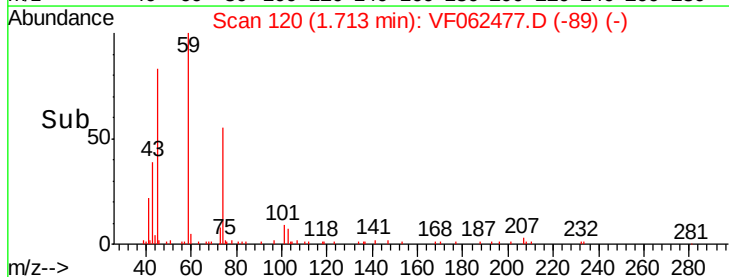
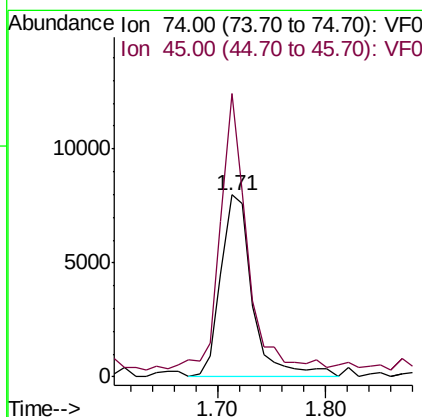
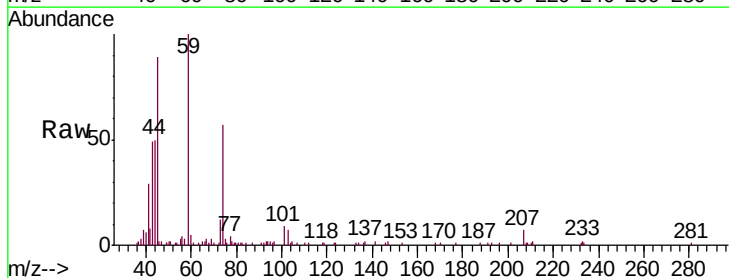
MMDadoda
5/12/2019 12:05:19 PM

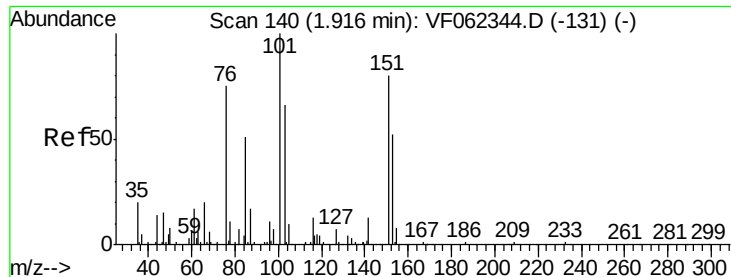


#8

Diethyl Ether
Concen: 22.052 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	126.1	73.9	221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.450 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

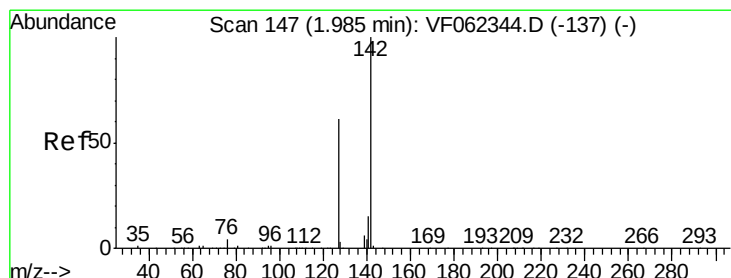
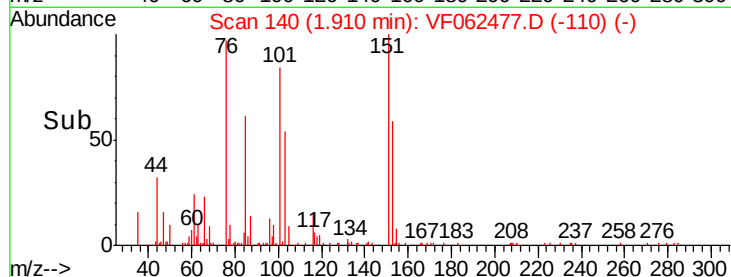
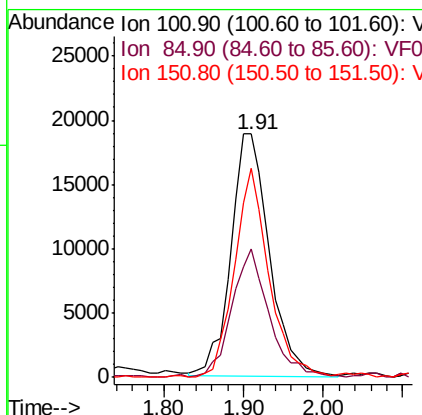
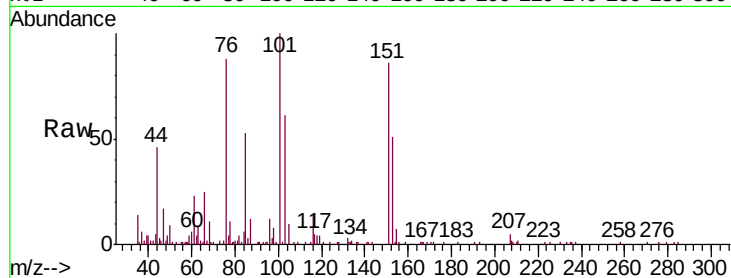
ClientSampleId :

VF0511SBS02

Tgt Ion:	101	Resp:	63157
Ion Ratio	Lower	Upper	
101	100		
85	51.5	39.5	59.3
151	77.5	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 23.014 ug/l

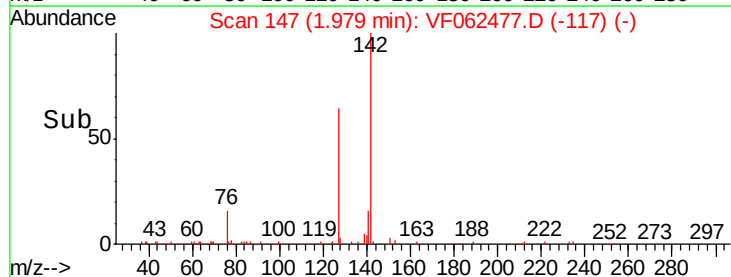
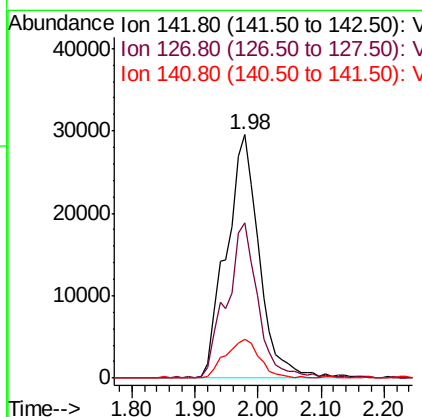
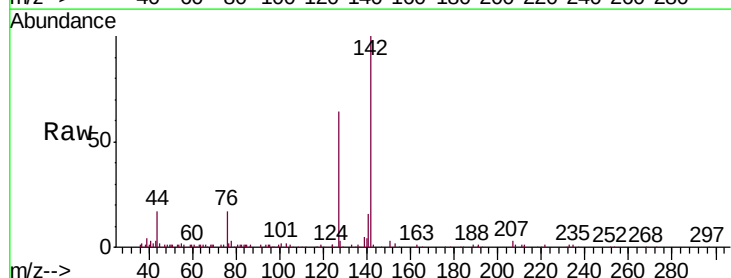
RT: 1.98 min Scan# 147

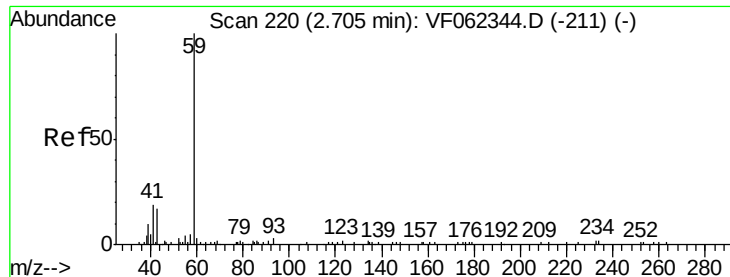
Delta R.T. -0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Tgt Ion:	142	Resp:	106694
Ion Ratio	Lower	Upper	
142	100		
127	61.1	48.4	72.6
141	16.7	12.2	18.4





#11

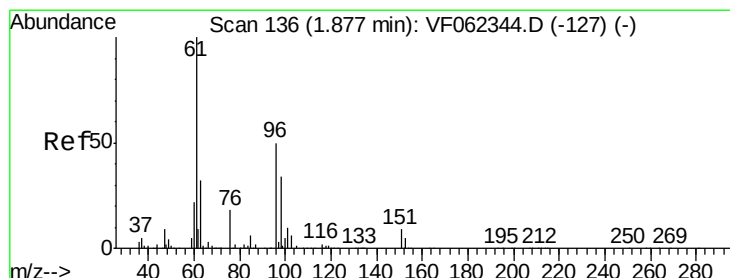
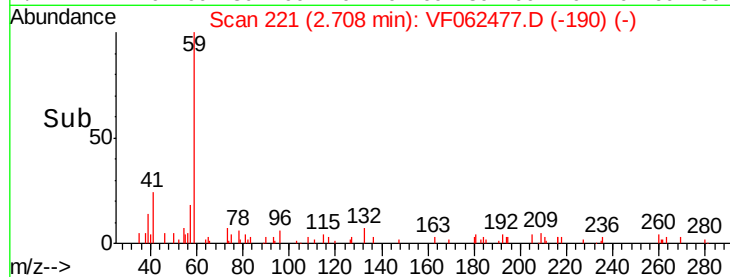
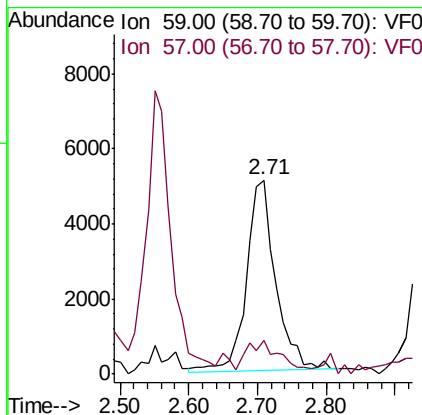
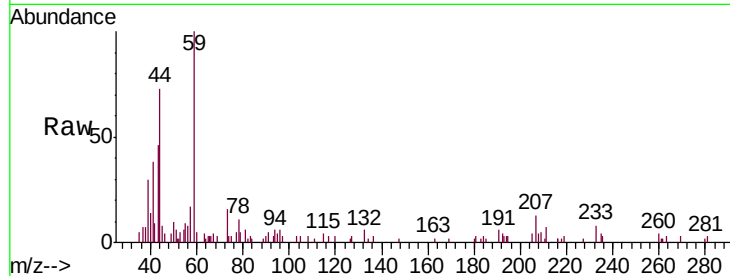
Tert butyl alcohol
Concen: 90.518 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.00 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	18.3	9.3	13.9#

Manual Integrations
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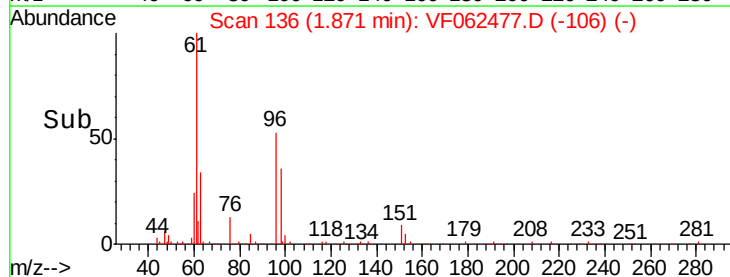
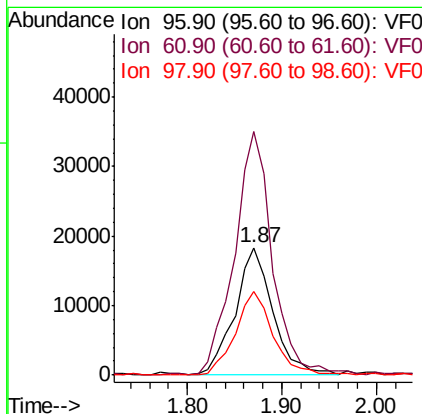
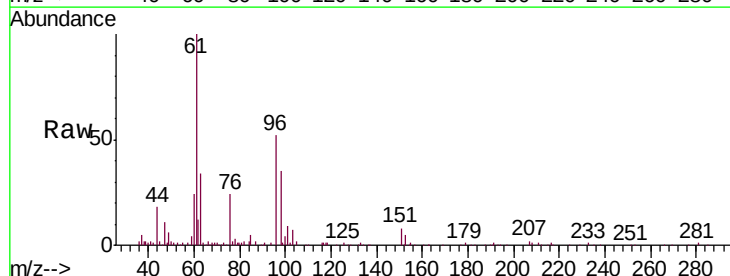
MMDadoda
5/12/2019 12:05:19 PM

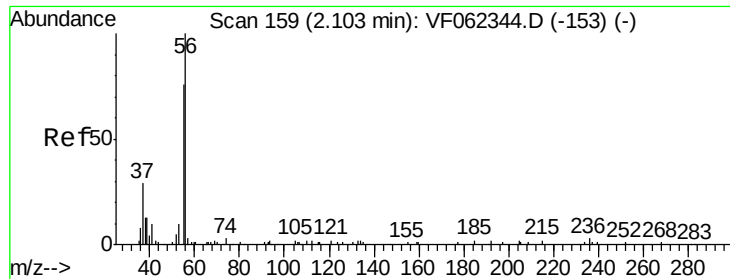


#12

1,1-Dichloroethene
Concen: 21.107 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.9	163.2	244.8
98	66.4	55.2	82.8





#13

Acrolein

Concen: 70.378 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

Tgt Ion: 56 Resp: 8810

Ion Ratio Lower Upper

56 100

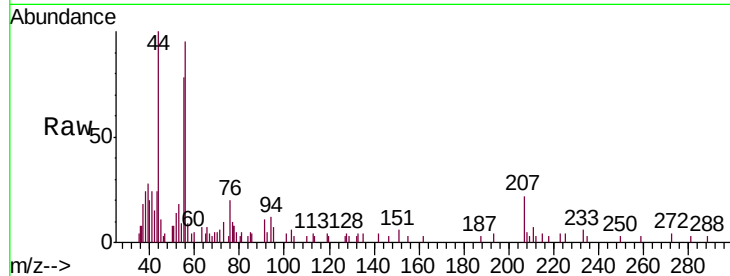
55 81.8 58.4 87.6

Manual Integrations

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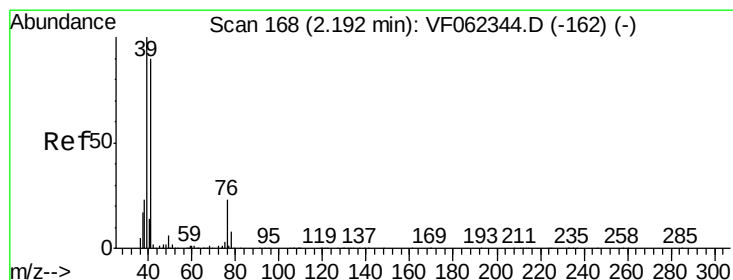
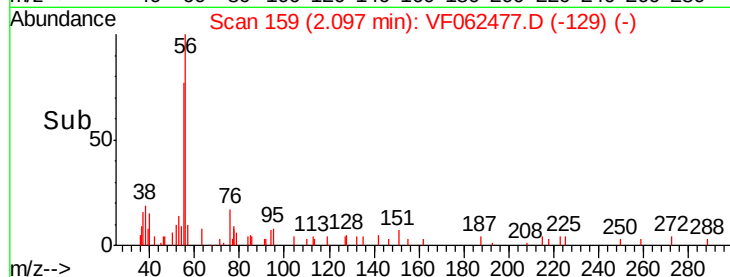
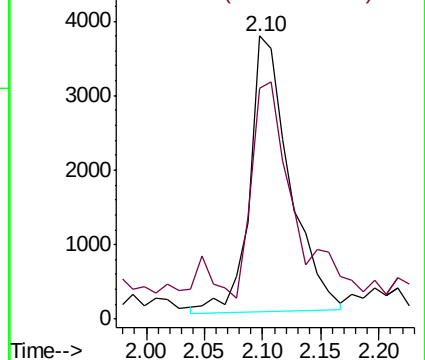
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 30.003 ug/l m

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

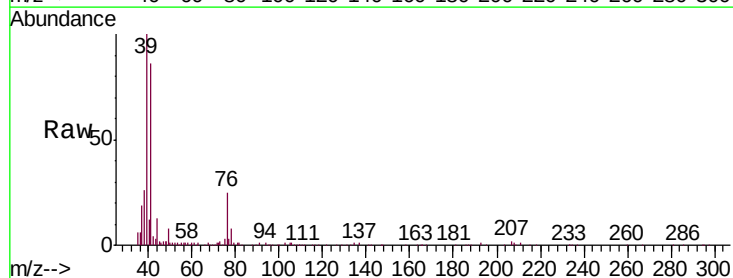
Tgt Ion: 41 Resp: 63385

Ion Ratio Lower Upper

41 100

39 121.8 90.8 136.2

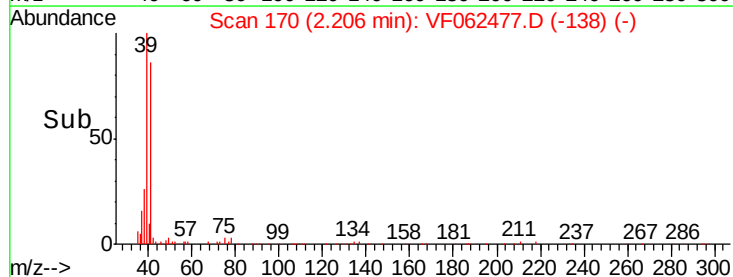
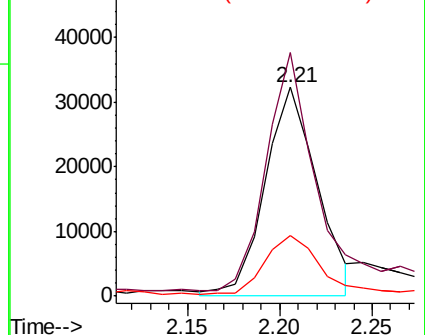
76 34.1 22.2 33.4#

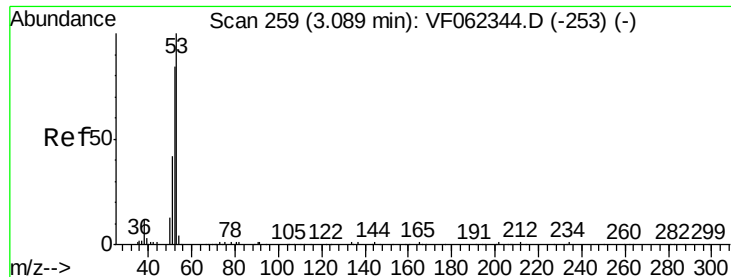


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 75.90 (75.60 to 76.60): VF0





#15

Acrylonitrile

Concen: 99.553 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

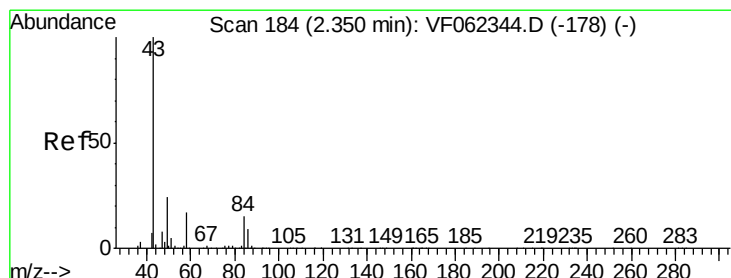
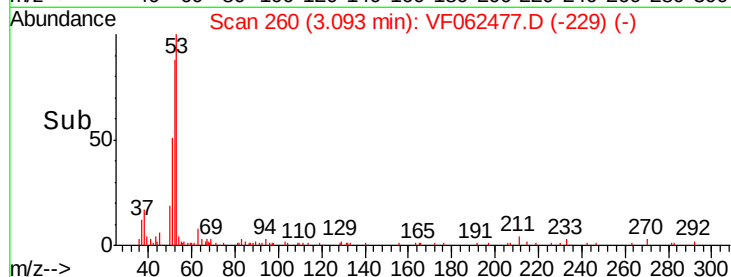
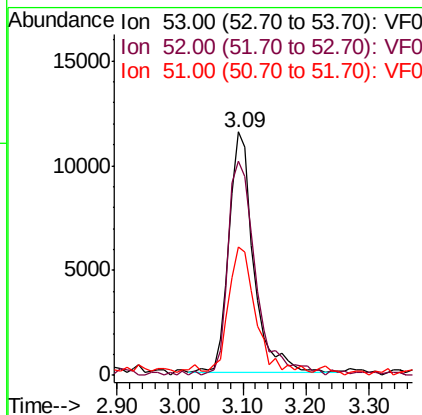
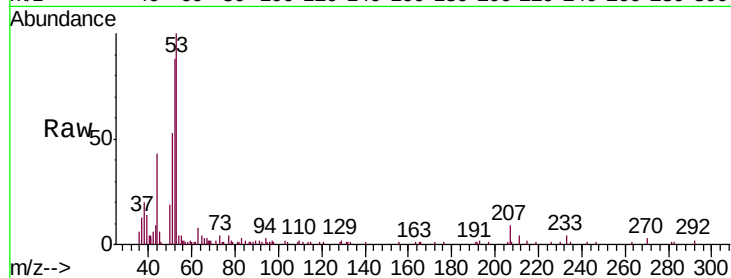
ClientSampleId :

VF0511SBSD02

Tgt Ion:	53	Resp:	31419
Ion	Ratio	Lower	Upper
53	100		
52	99.5	77.2	115.8
51	58.3	40.6	61.0

Manual Integrations
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#16

Acetone

Concen: 87.109 ug/l

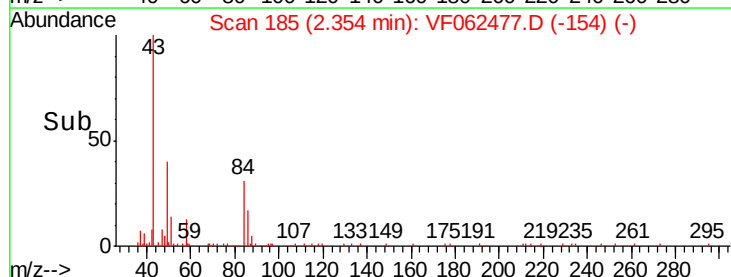
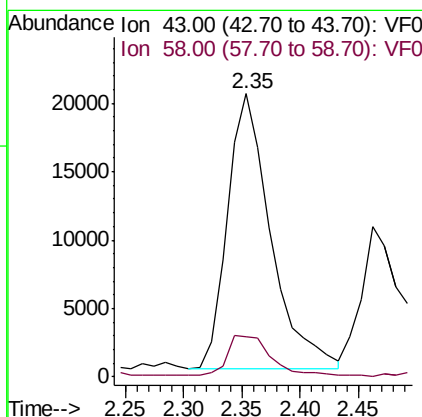
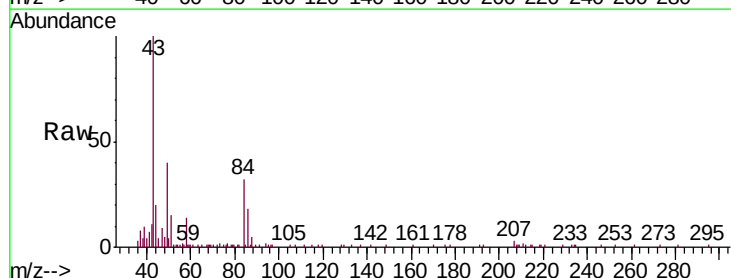
RT: 2.35 min Scan# 185

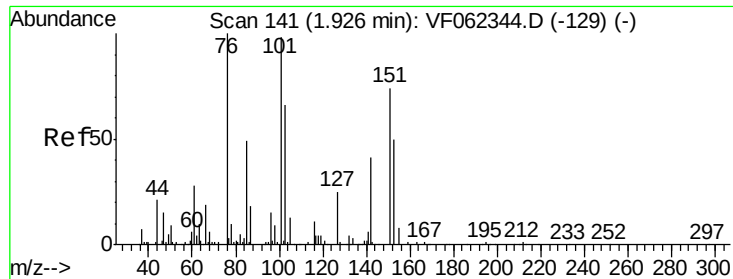
Delta R.T. 0.00 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Tgt Ion:	43	Resp:	51947
Ion	Ratio	Lower	Upper
43	100		
58	13.9	13.1	19.7





#17

Carbon Disulfide

Concen: 20.854 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

Tgt Ion: 76 Resp: 108747

Ion Ratio Lower Upper

76 100

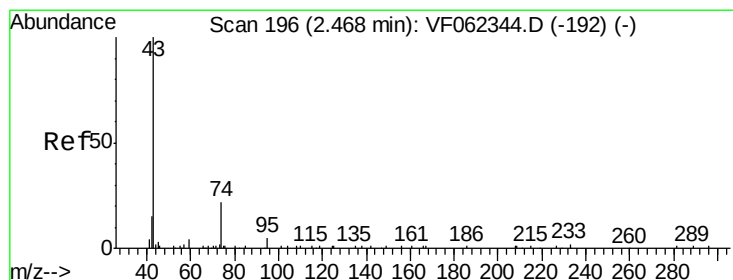
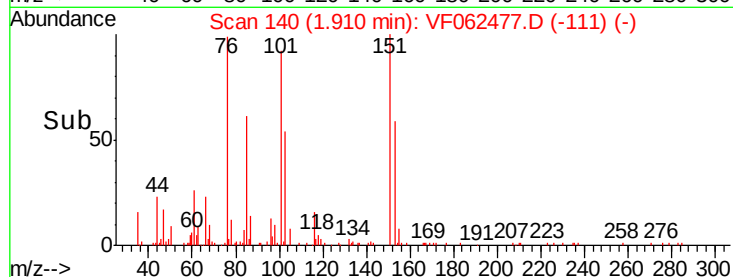
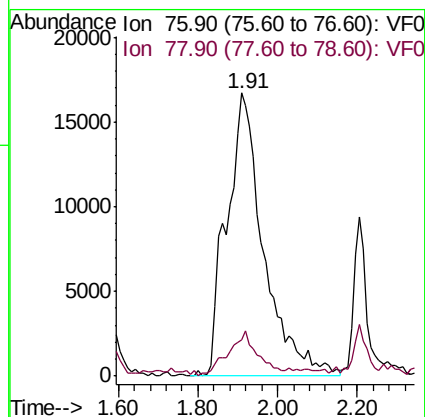
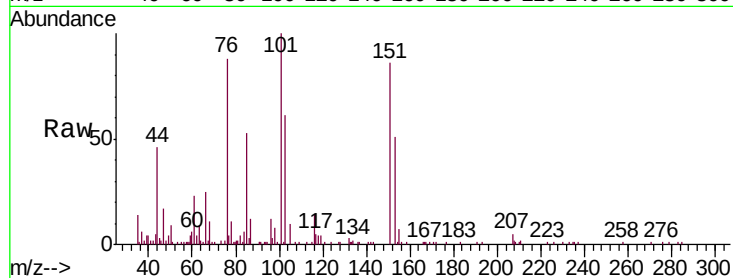
78 11.9 9.0 13.4

Manual Integrations

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#18

Methyl Acetate

Concen: 19.195 ug/l

RT: 2.46 min Scan# 196

Delta R.T. -0.01 min

Lab File: VF062477.D

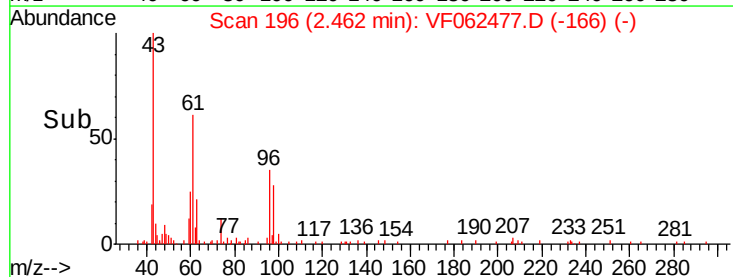
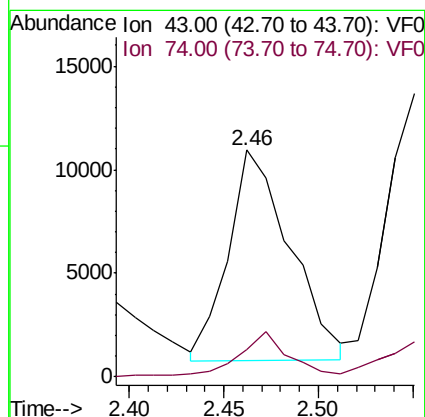
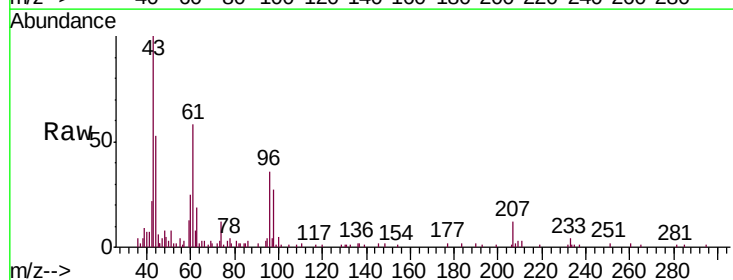
Acq: 12 May 2019 00:35

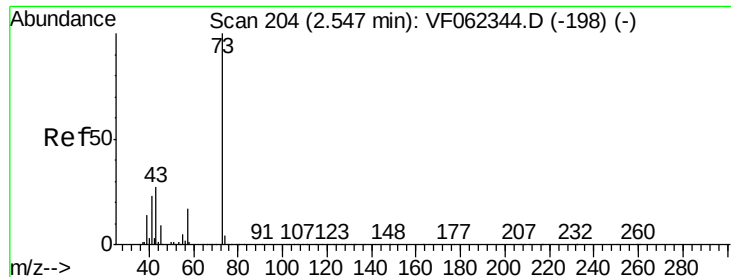
Tgt Ion: 43 Resp: 22974

Ion Ratio Lower Upper

43 100

74 18.3 15.0 22.4





#19

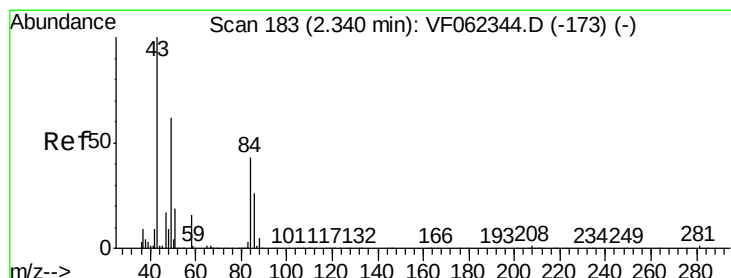
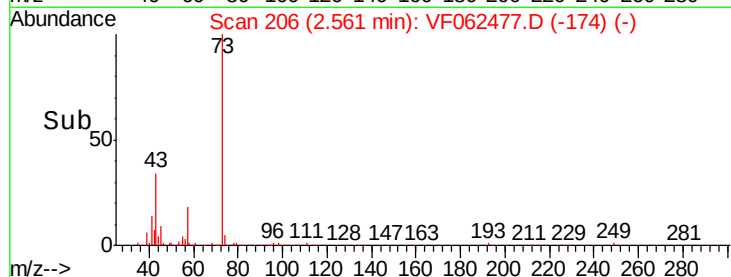
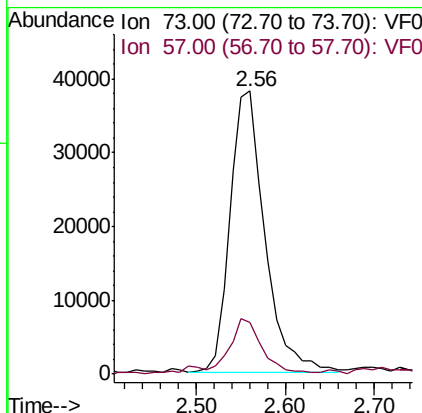
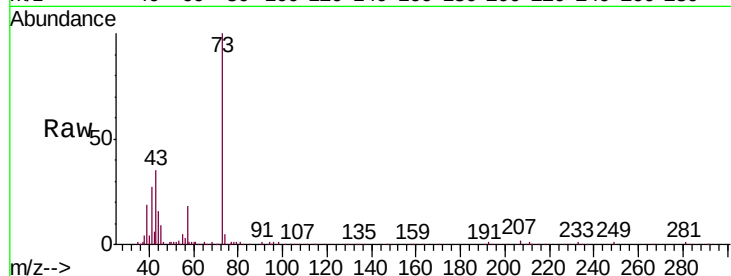
Methyl tert-butyl Ether
Concen: 21.160 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Lower	Upper
73	100		
57	16.9	13.7	20.5

Manual Integrations
APPROVED

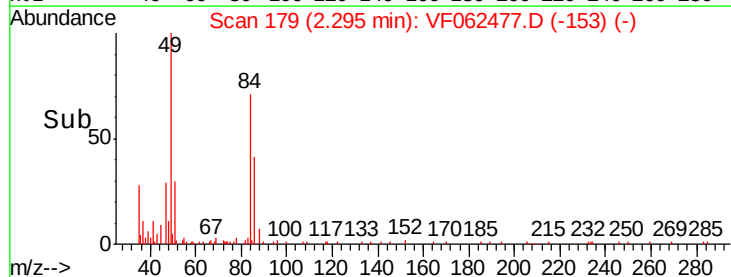
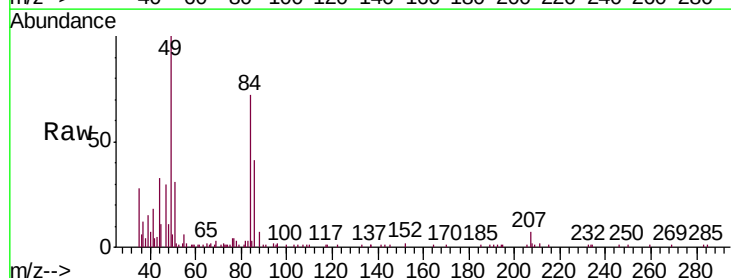
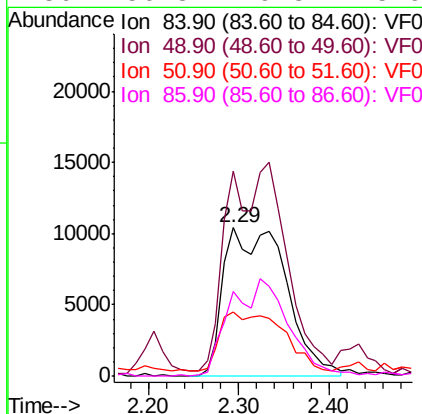
MMDadoda
5/12/2019 12:05:19 PM

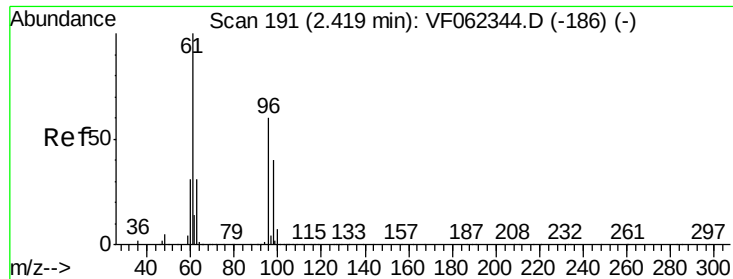


#20

Methylene Chloride
Concen: 22.981 ug/l m
RT: 2.29 min Scan# 179
Delta R.T. -0.05 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.3	117.5	176.3
51	43.3	37.0	55.4
86	56.8	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 19.749 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

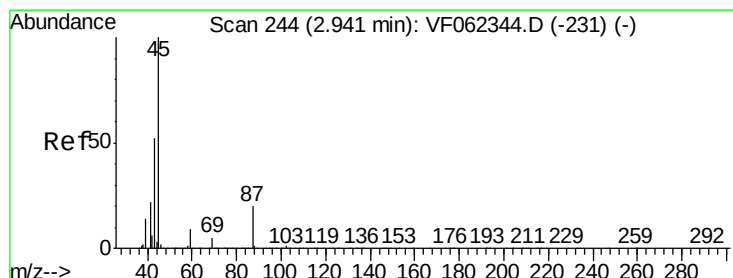
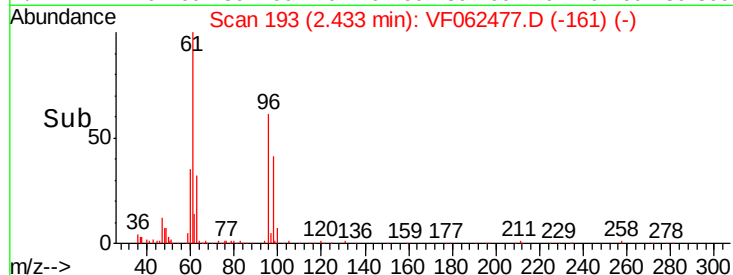
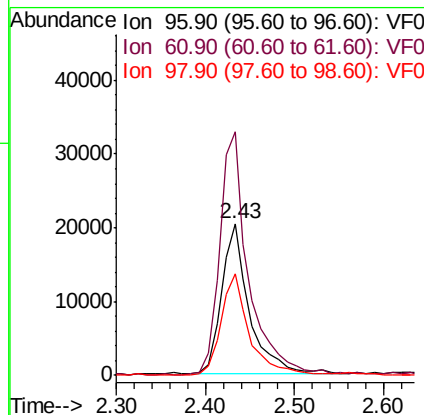
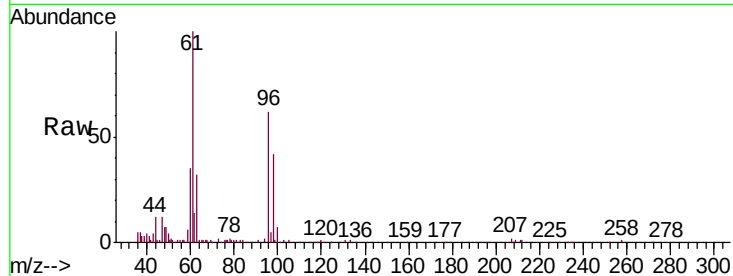
ClientSampleId :

VF0511SBS02

Tgt Ion:	96	Resp:	45001
Ion	Ratio	Lower	Upper
96	100		
61	160.5	133.2	199.8
98	67.2	53.1	79.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.332 ug/l

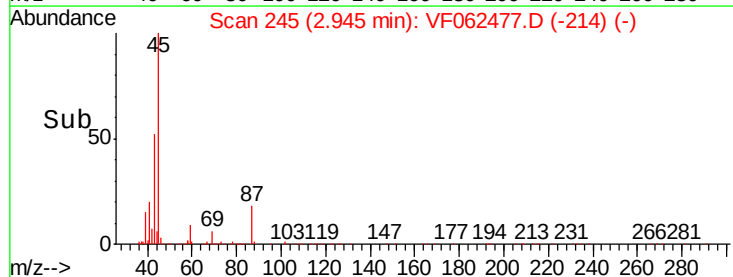
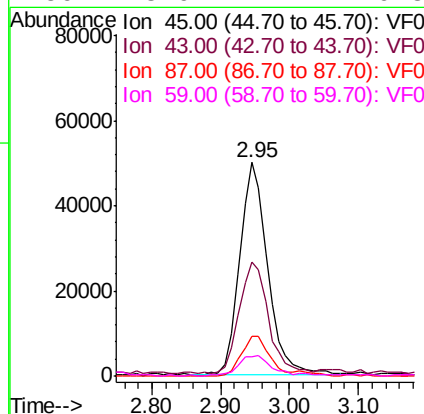
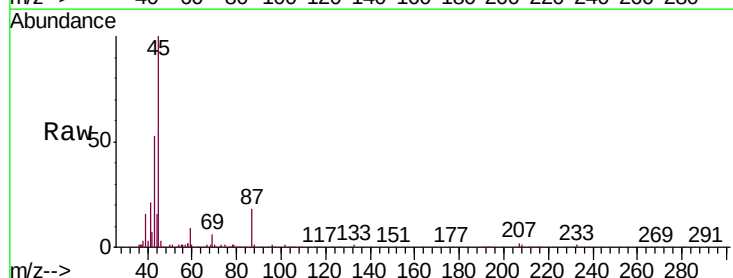
RT: 2.95 min Scan# 245

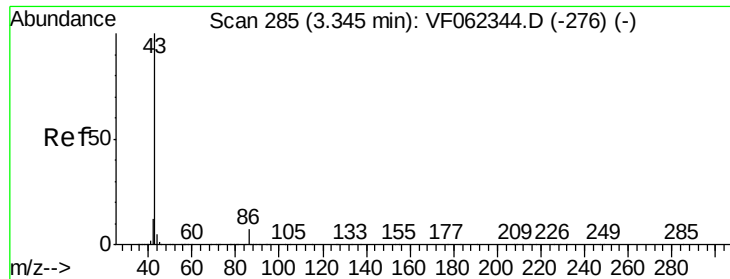
Delta R.T. 0.00 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Tgt Ion:	45	Resp:	140851
Ion	Ratio	Lower	Upper
45	100		
43	51.8	41.4	62.0
87	18.4	15.8	23.6
59	8.9	7.2	10.8





#23

Vinyl Acetate

Concen: 105.053 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

Tgt Ion: 43 Resp: 309152

Ion Ratio Lower Upper

43 100

86 7.6

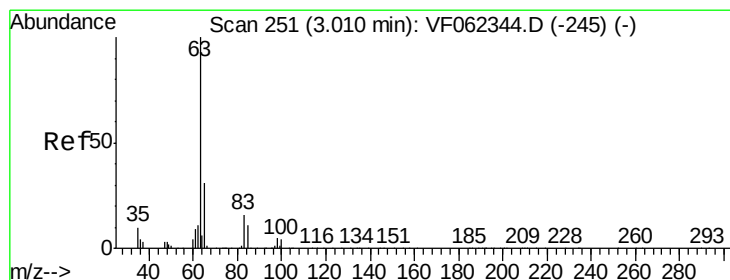
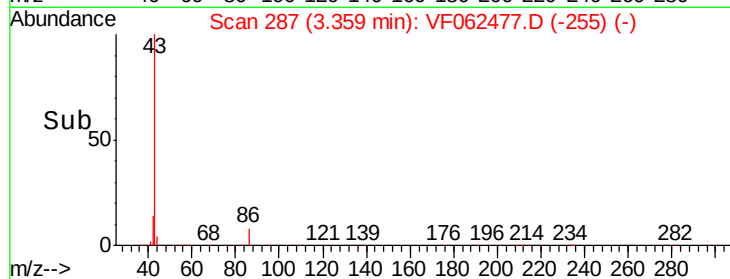
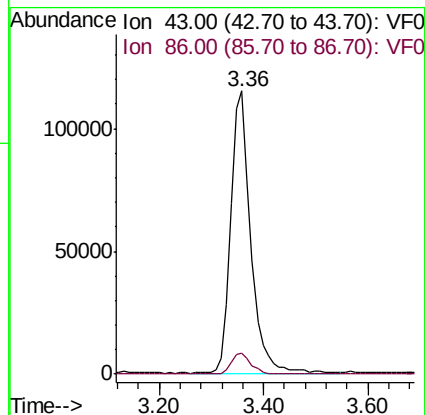
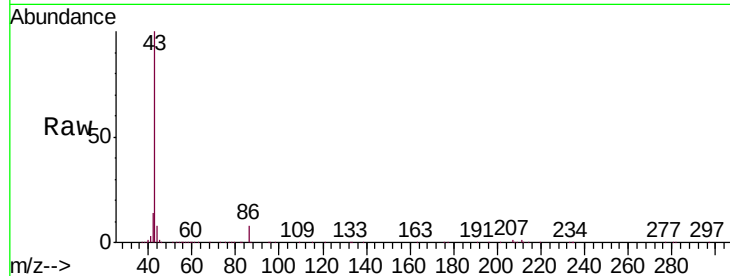
5.7

8.5

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#24

1,1-Dichloroethane

Concen: 22.721 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Tgt Ion: 63 Resp: 90671

Ion Ratio Lower Upper

63 100

98 3.8

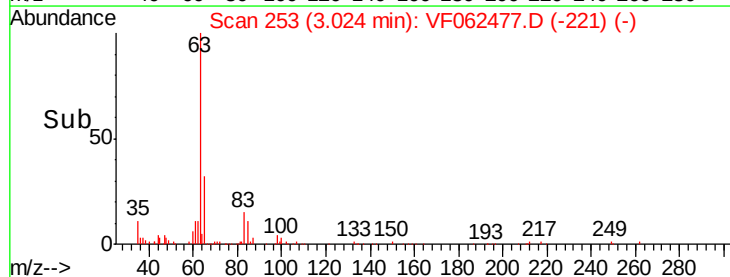
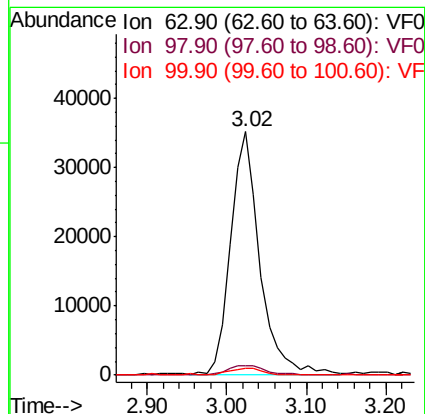
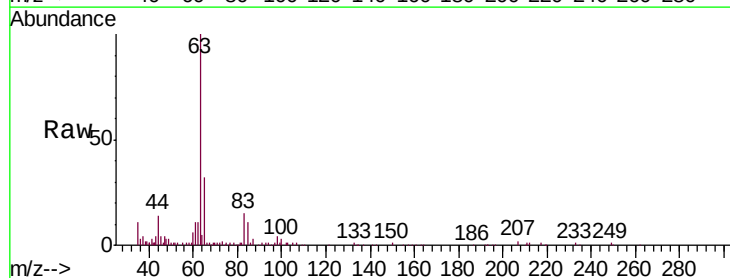
2.6

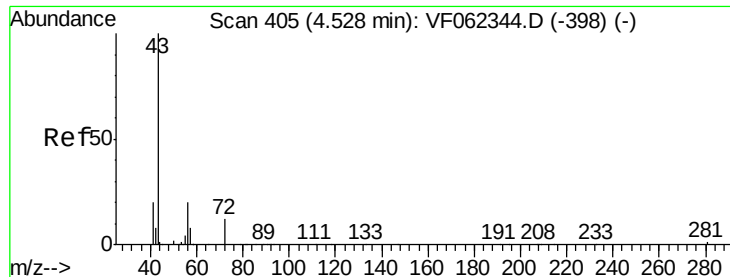
8.0

100 2.8

1.8

5.4





#25

2-Butanone

Concen: 92.322 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

Tgt Ion: 43 Resp: 69168

Ion Ratio Lower Upper

43 100

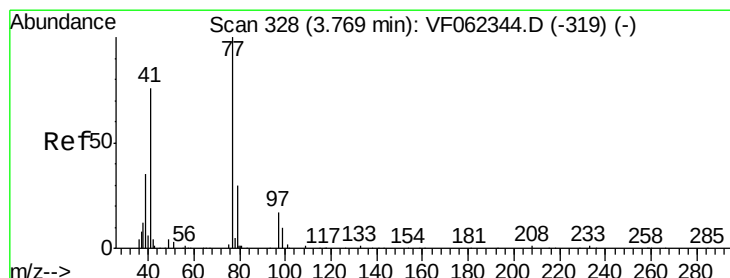
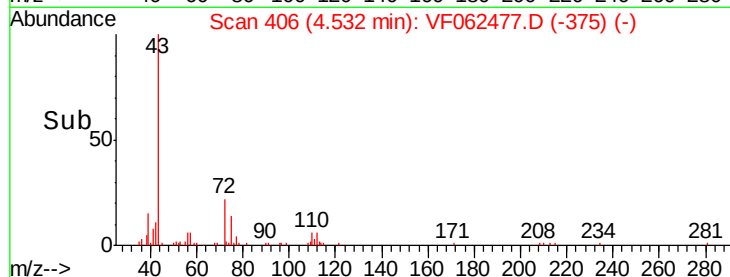
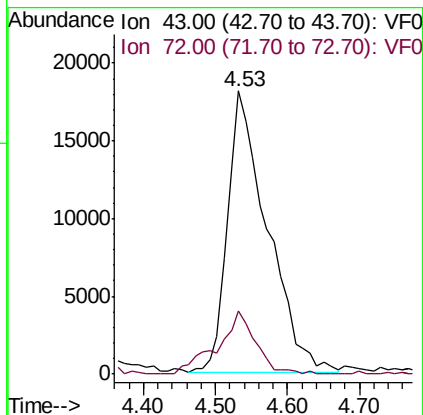
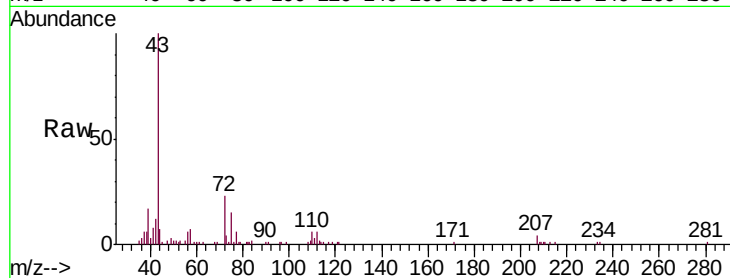
72 22.7 14.2 21.4#

Manual Integrations

APPROVED

MMDadoda

5/12/2019 12:05:19 PM



#26

2,2-Dichloropropane

Concen: 23.726 ug/l

RT: 3.79 min Scan# 331

Delta R.T. 0.02 min

Lab File: VF062477.D

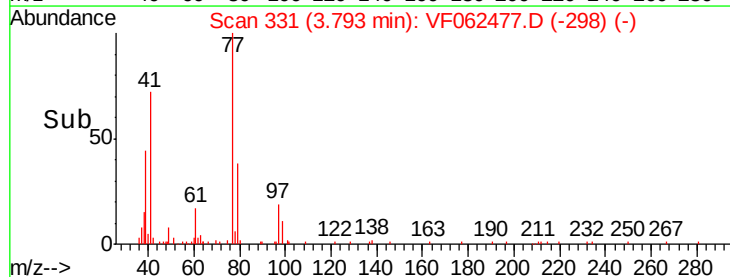
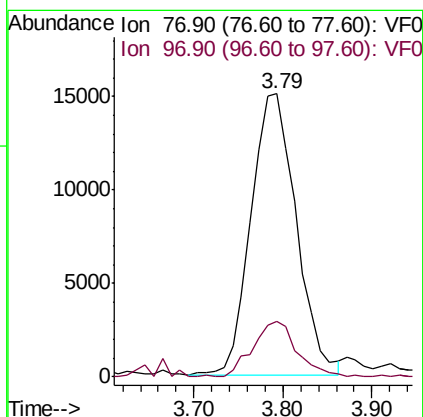
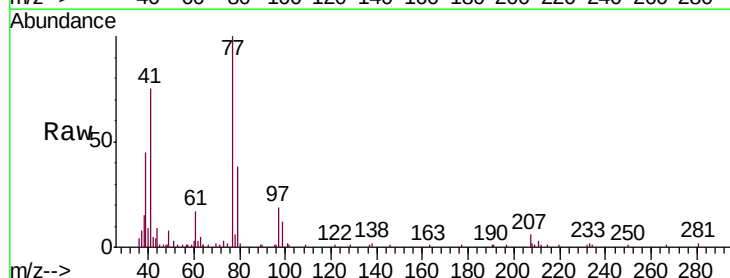
Acq: 12 May 2019 00:35

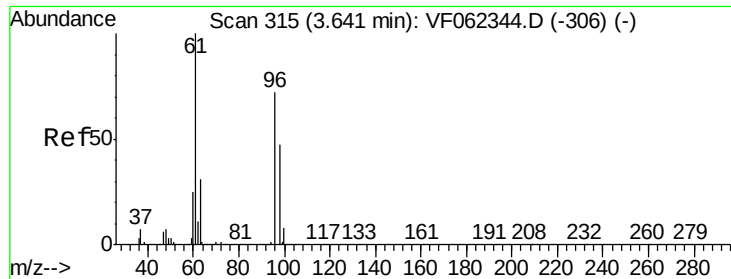
Tgt Ion: 77 Resp: 52875

Ion Ratio Lower Upper

77 100

97 19.4 9.5 28.5





#27

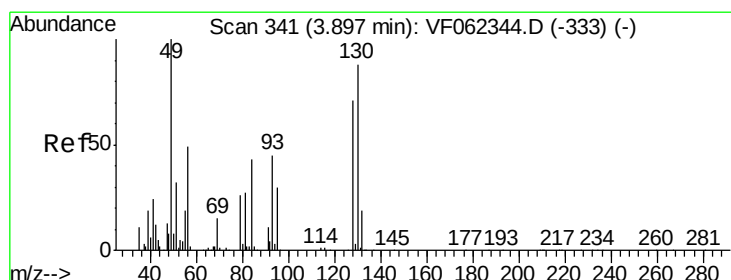
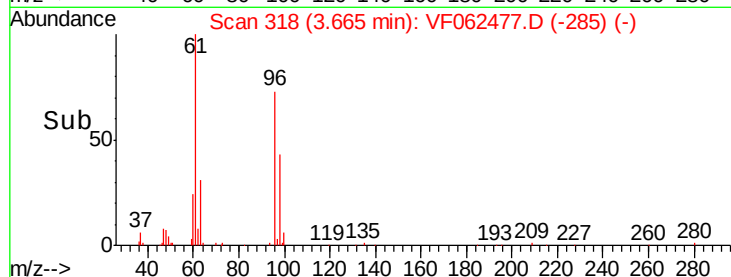
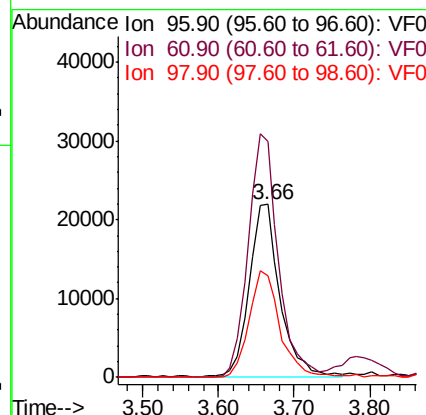
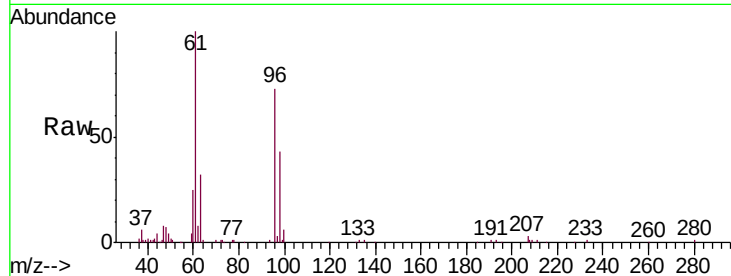
cis-1,2-Dichloroethene
Concen: 22.121 ug/l
RT: 3.66 min Scan# 318
Delta R.T. 0.02 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	63007		
61	135.3		0.0	263.0
98	61.6		0.0	130.8

Manual Integrations
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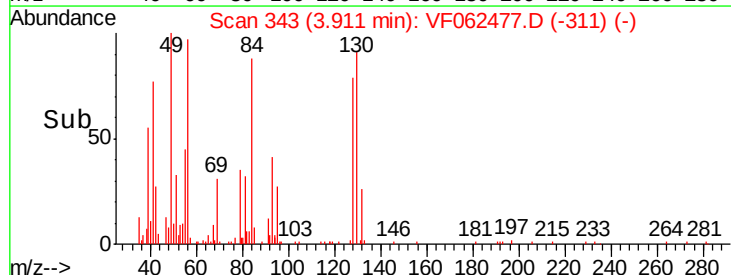
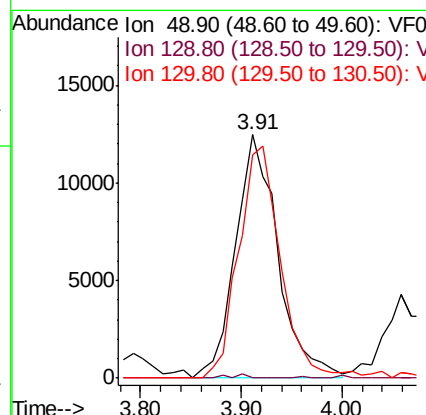
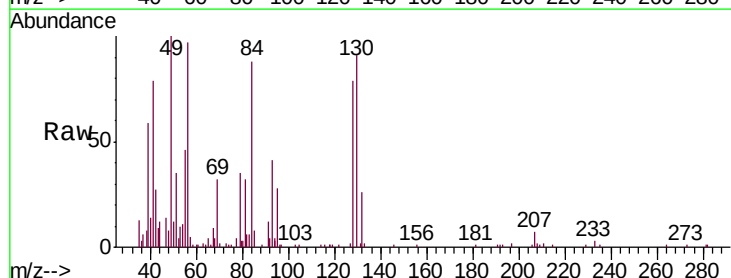
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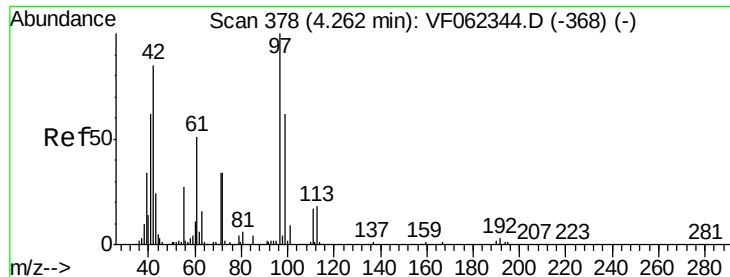


#28

Bromochloromethane
Concen: 20.179 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	36520		
129	0.0		0.0	2.2
130	94.7		79.4	119.0





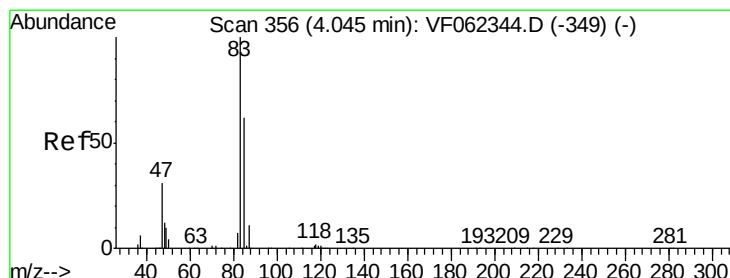
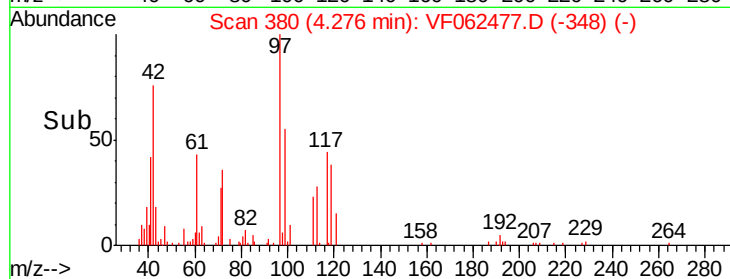
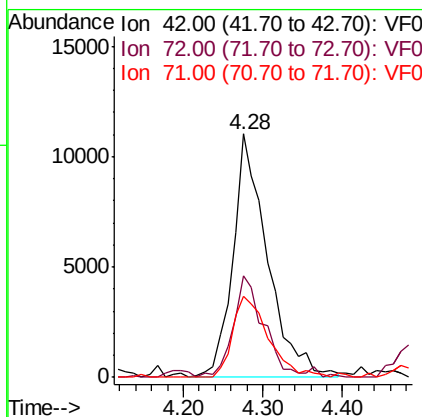
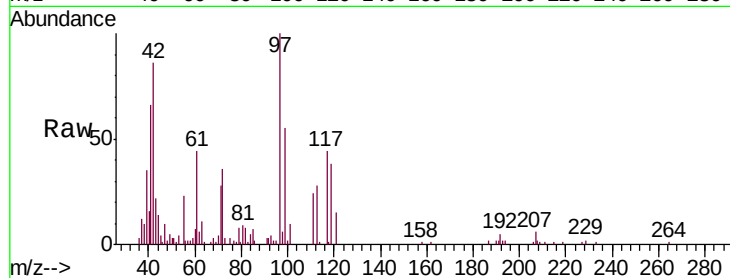
#29
Tetrahydrofuran
Concen: 96.660 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	33283		
72	36.9		31.4	47.0
71	34.7		31.7	47.5

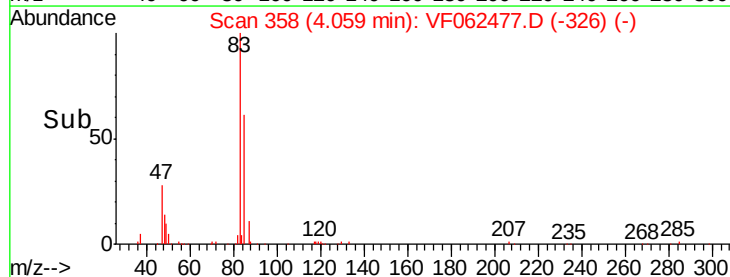
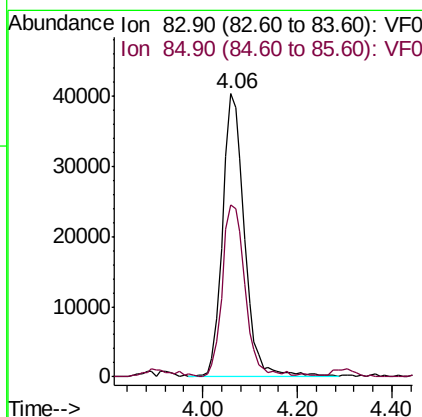
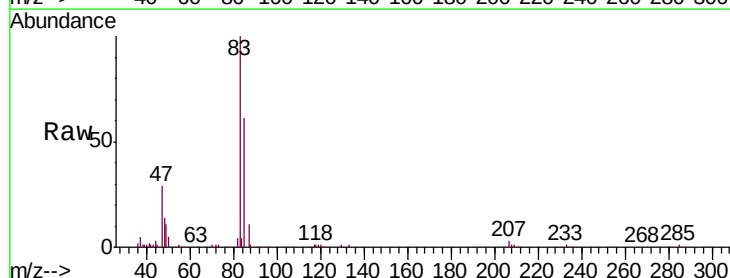
Manual Integrations
APPROVED

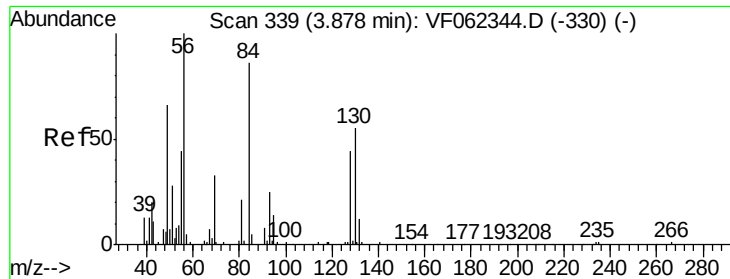
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#30
Chloroform
Concen: 24.079 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	129816		
85	59.8		49.6	74.4





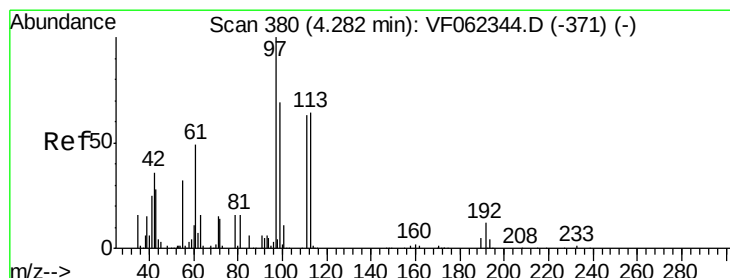
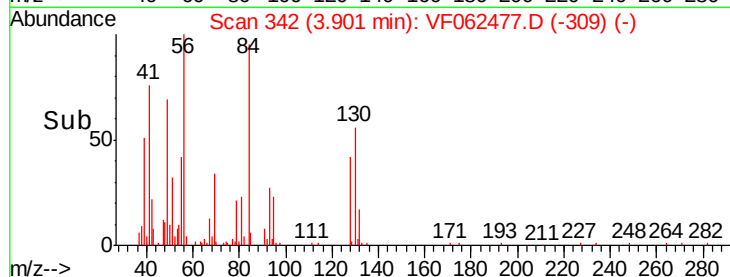
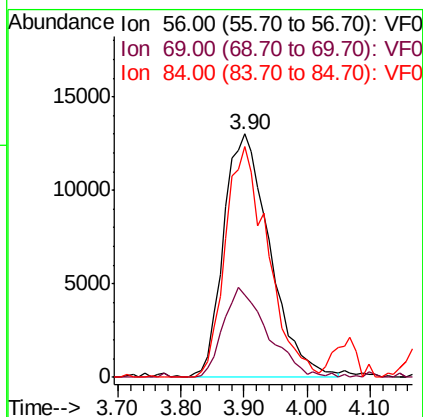
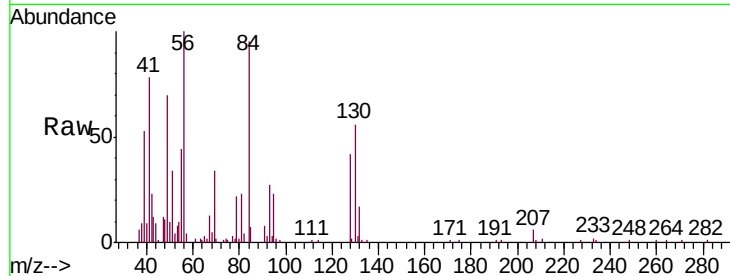
#31
Cyclohexane
Concen: 20.799 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.02 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.8	26.4	39.6
84	95.0	69.0	103.6

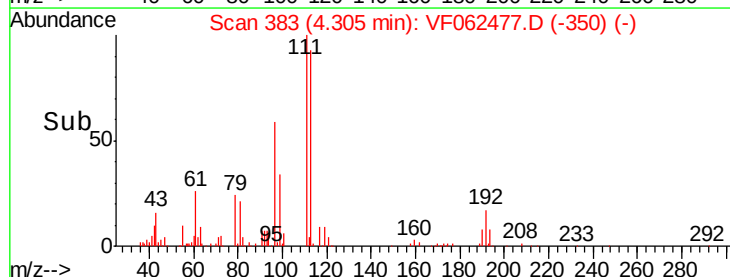
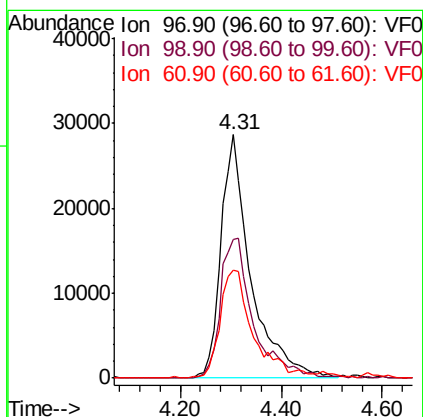
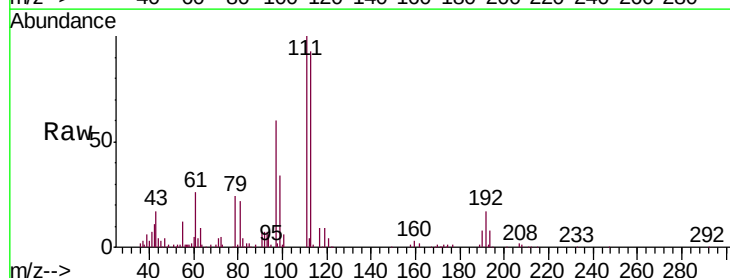
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APPROVED

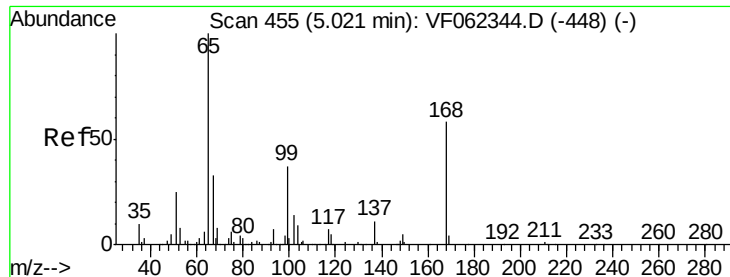
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#32
1,1,1-Trichloroethane
Concen: 25.514 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	52.6	78.8
61	47.9	39.4	59.0





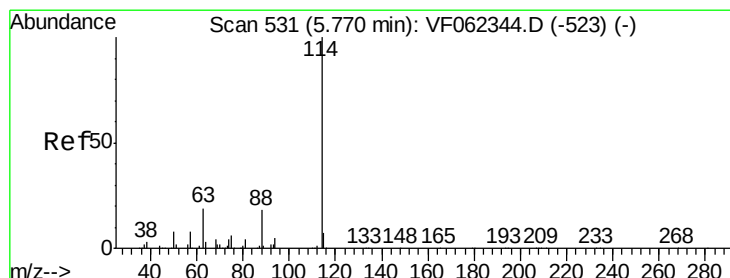
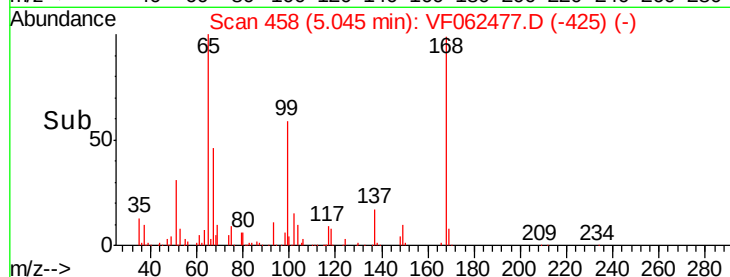
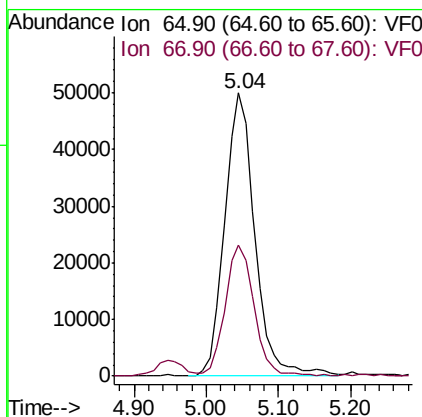
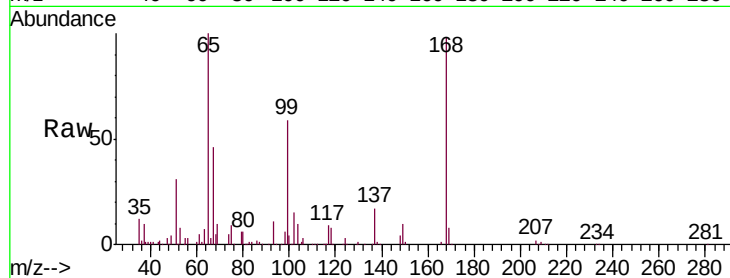
#33
 1,2-Dichloroethane-d4
 Concen: 49.292 ug/l
 RT: 5.04 min Scan# 458
 Delta R.T. 0.02 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	145308		
67	44.6	0.0	85.8	

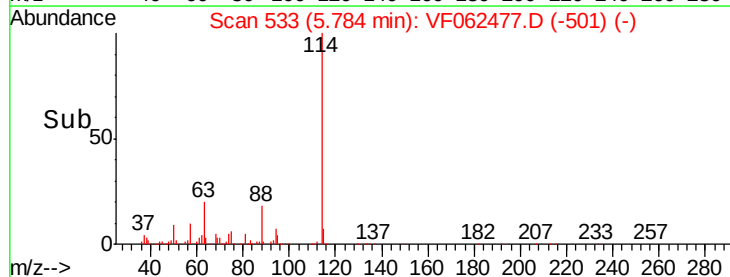
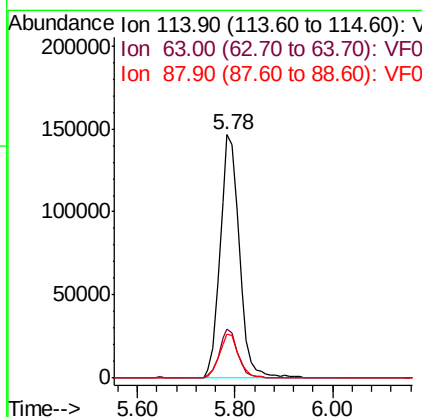
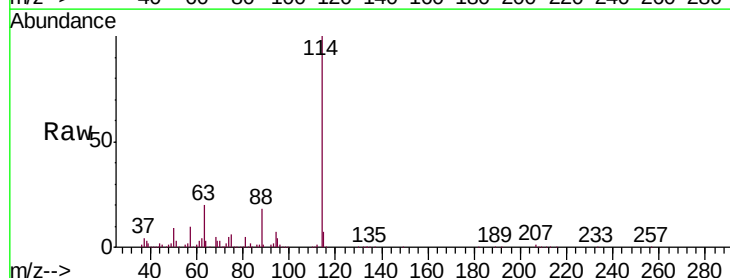
Manual Integrations
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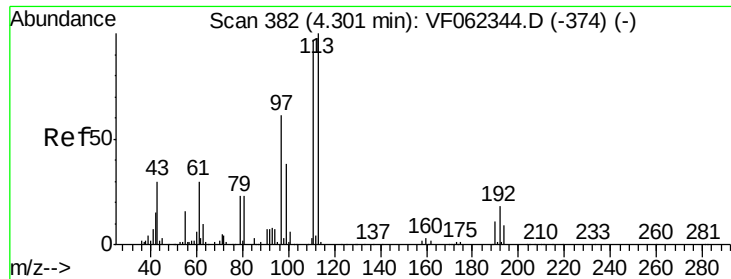
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	404069		
63	20.2	0.0	37.4	
88	17.8	0.0	36.4	





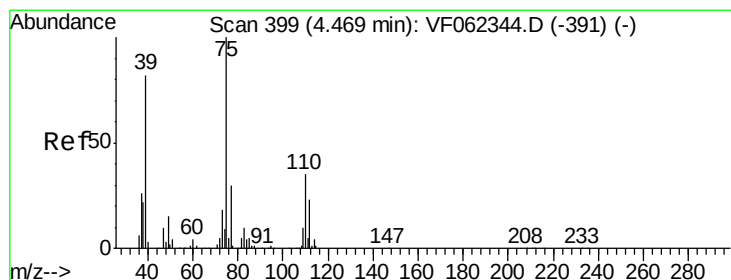
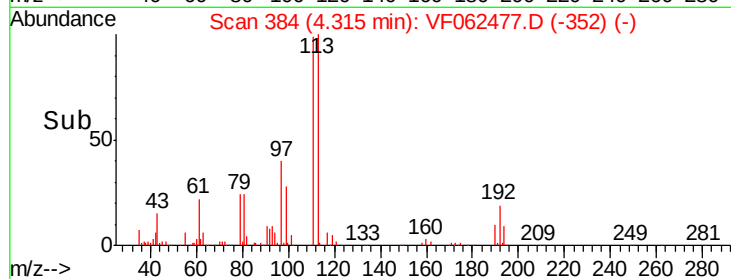
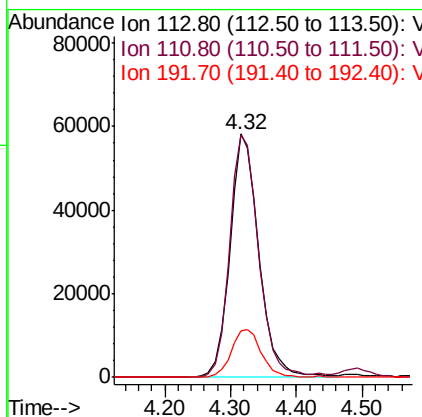
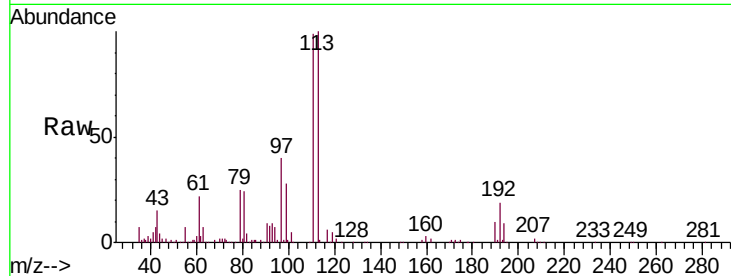
#35
 Dibromofluoromethane
 Concen: 55.533 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	178768		
111	100.0	79.4	119.0	
192	20.6	16.0	24.0	

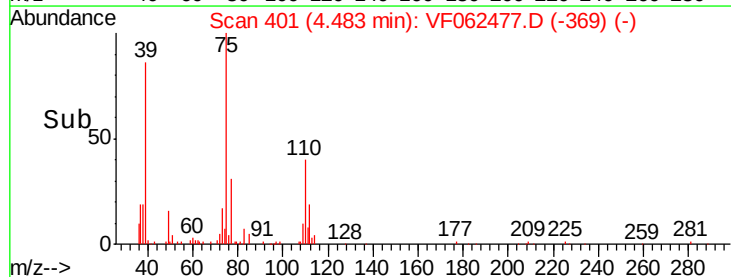
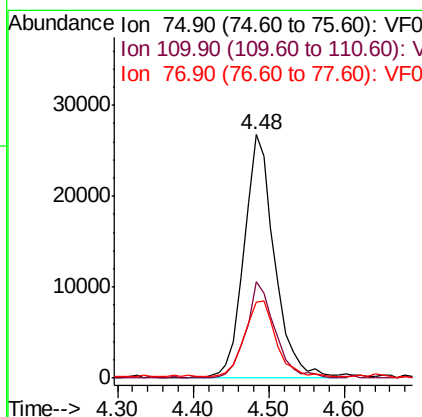
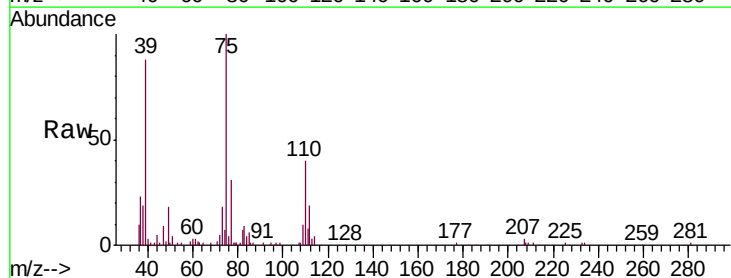
Manual Integrations
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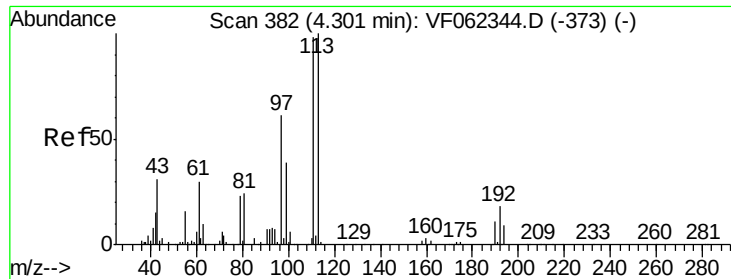
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#36
 1,1-Dichloropropene
 Concen: 21.653 ug/l
 RT: 4.48 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75160		
110	37.2	17.2	51.5	
77	32.5	25.2	37.8	





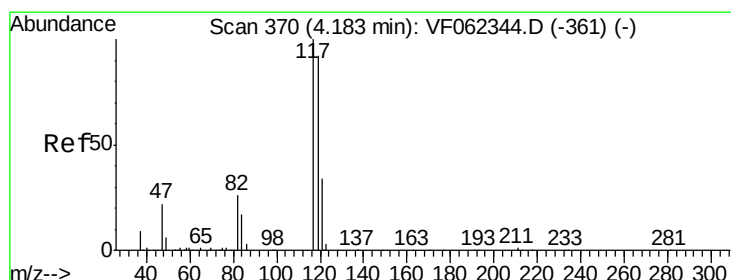
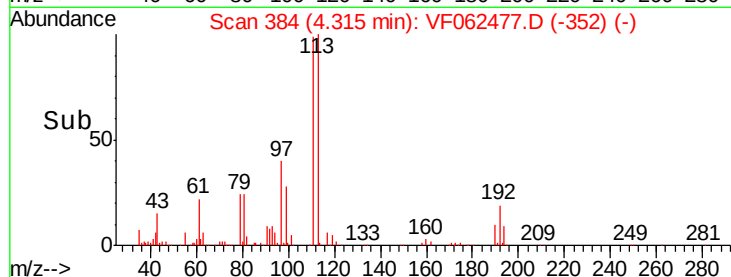
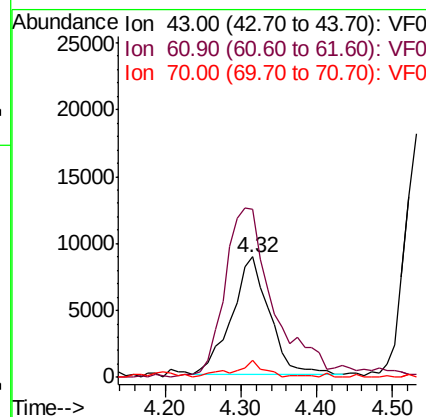
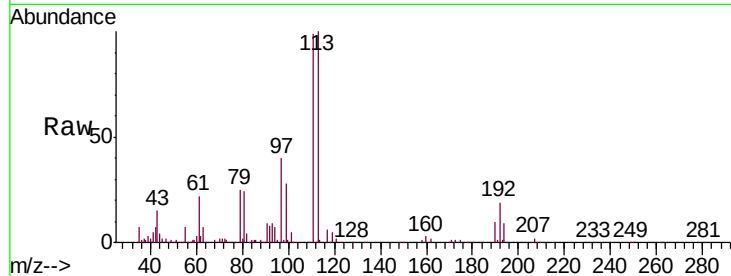
#37
Ethyl Acetate
Concen: 19.709 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	182.3	0.0	0.0#
70	11.6	8.2	12.2

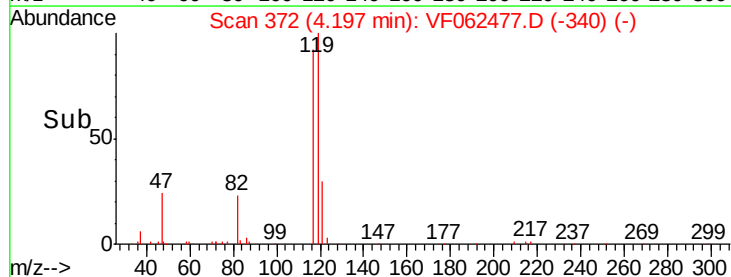
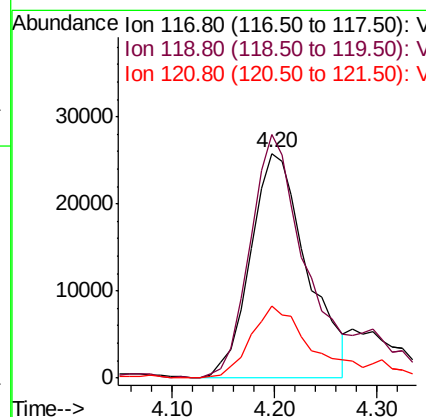
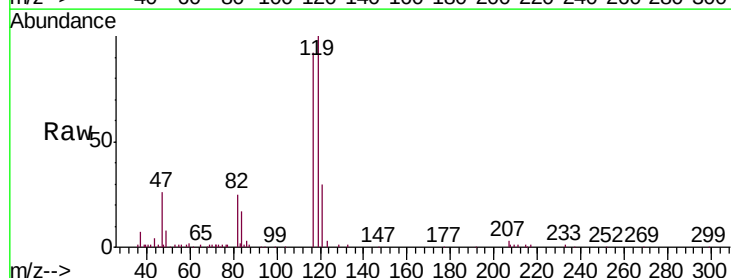
Manual Integrations
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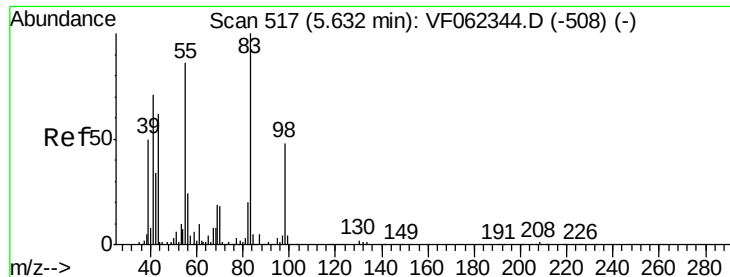
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#38
Carbon Tetrachloride
Concen: 26.204 ug/l m
RT: 4.20 min Scan# 372
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	108.2	73.4	110.2
121	32.3	27.4	41.0





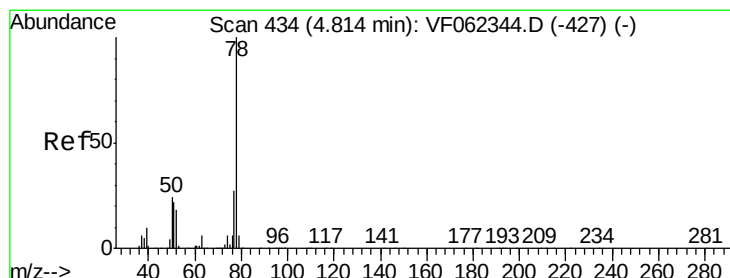
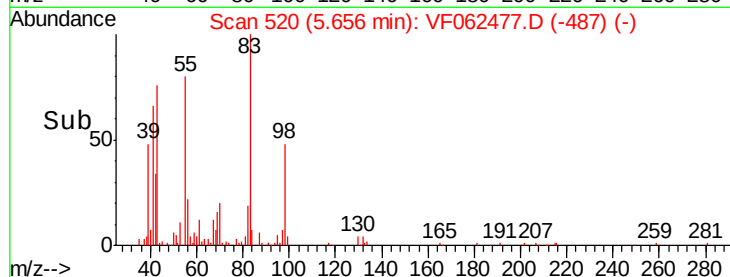
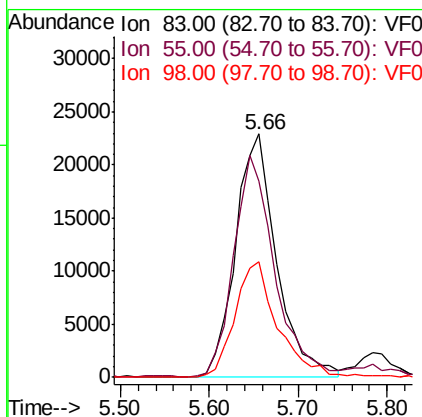
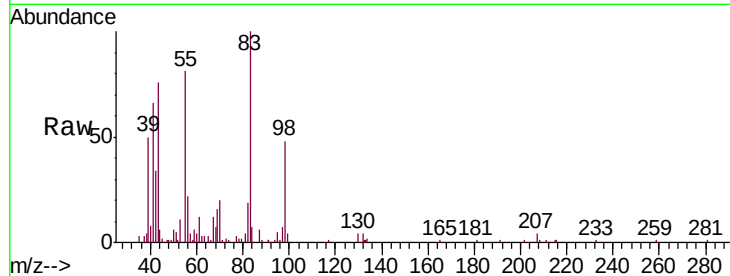
#39
Methylcyclohexane
Concen: 21.116 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.02 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion:	83	Resp:	73509
Ion	Ratio	Lower	Upper
83	100		
55	80.7	69.0	103.6
98	47.6	38.6	58.0

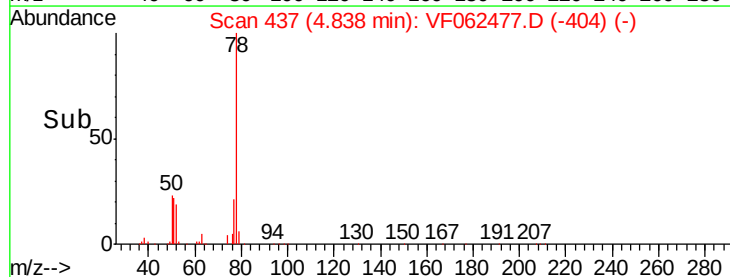
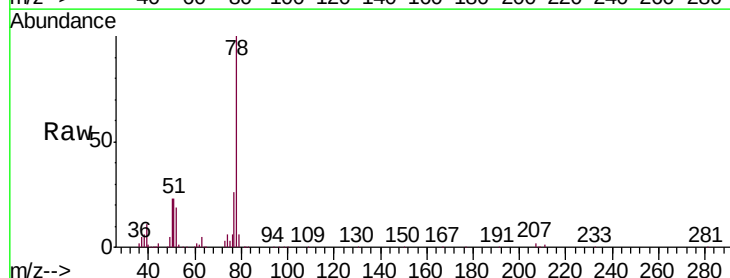
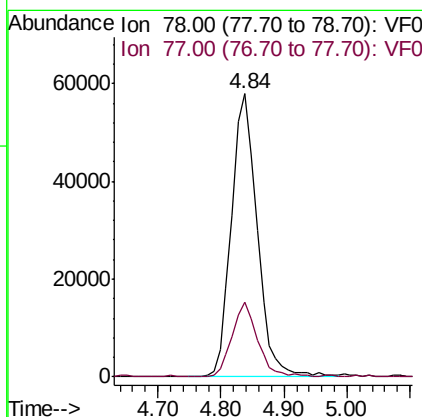
Manual Integrations
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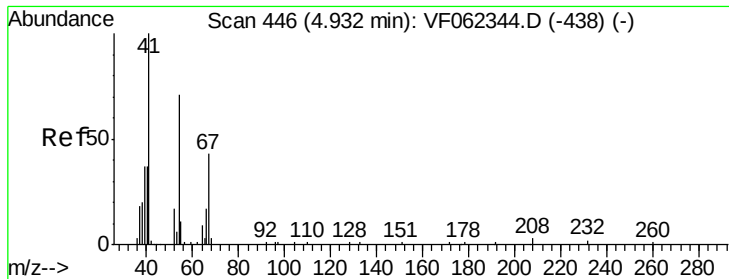
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#40
Benzene
Concen: 21.489 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.02 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion:	78	Resp:	164250
Ion	Ratio	Lower	Upper
78	100		
77	26.3	21.6	32.4





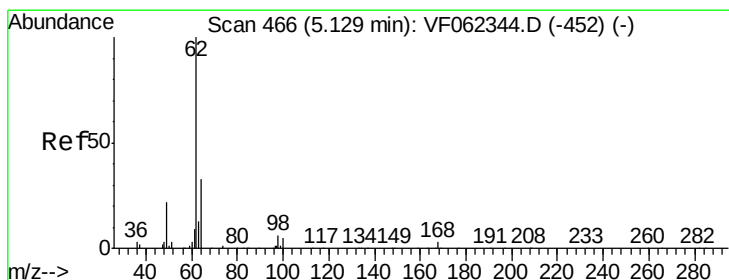
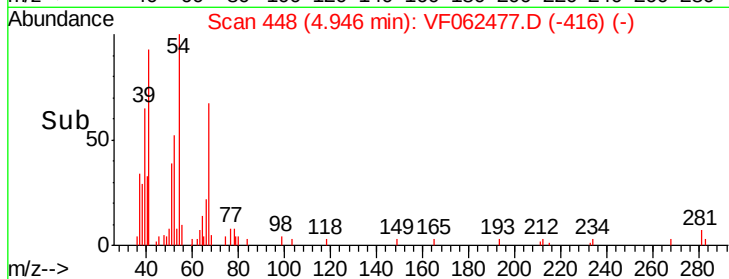
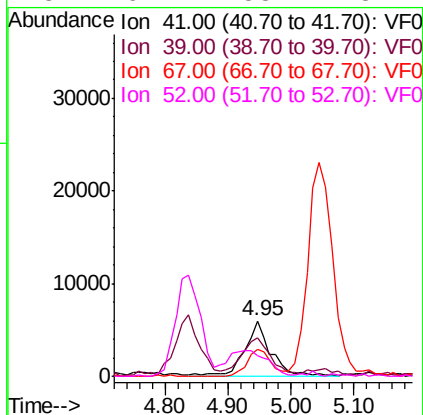
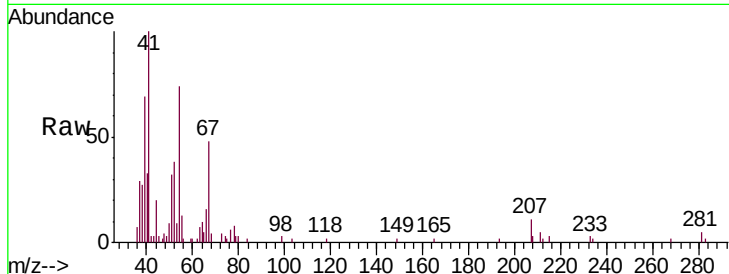
#41
Methacrylonitrile
Concen: 20.973 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	72.8	54.3	81.5
67	45.6	37.8	56.8
52	67.2	58.2	87.4

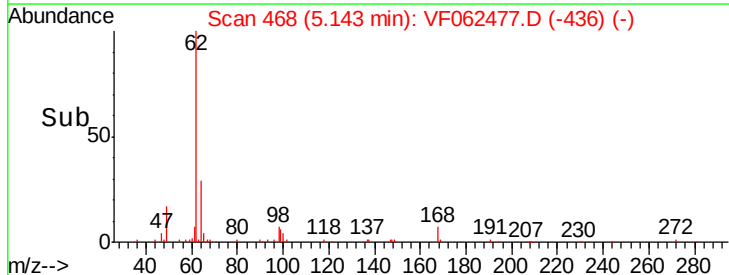
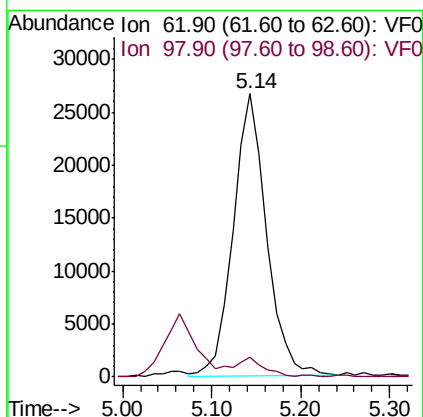
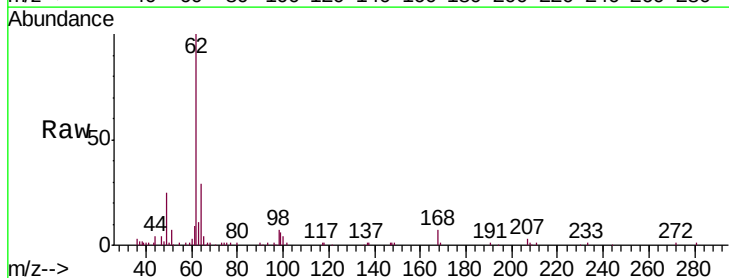
Manual Integrations
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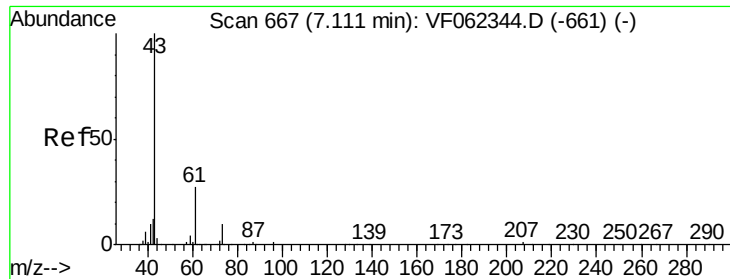
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#42
1,2-Dichloroethane
Concen: 21.634 ug/l
RT: 5.14 min Scan# 468
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	12.4





#43

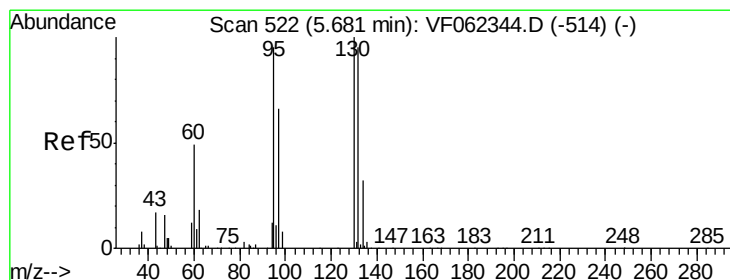
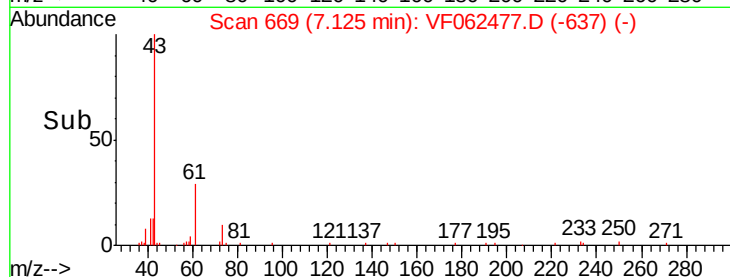
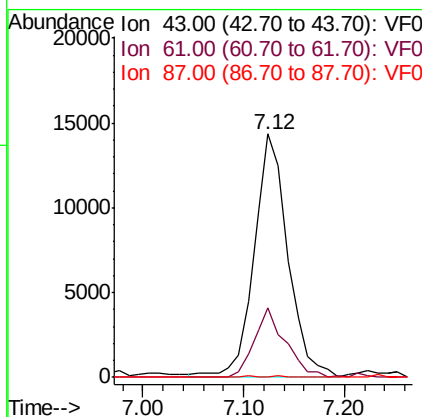
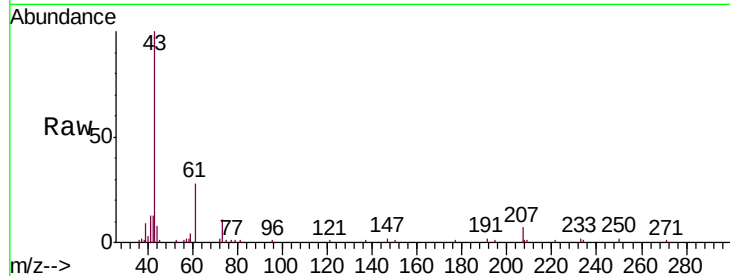
Isopropyl Acetate
 Concen: 21.190 ug/l
 RT: 7.12 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	26.4	22.8	34.2
87	0.2	0.6	1.0

Manual Integrations
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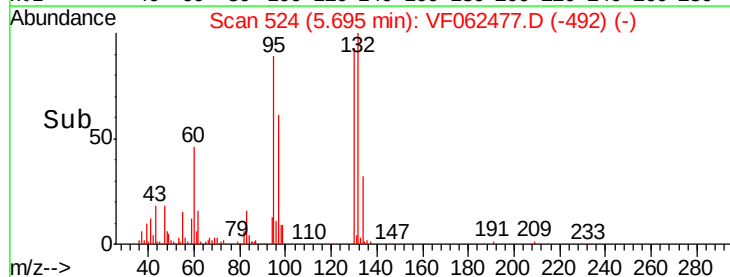
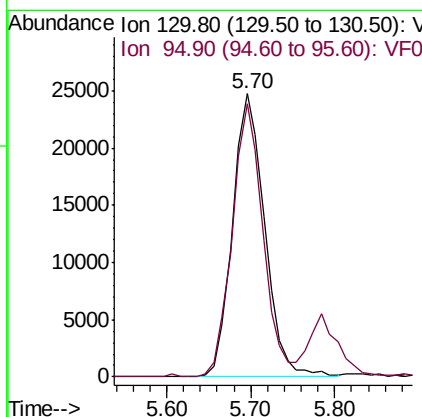
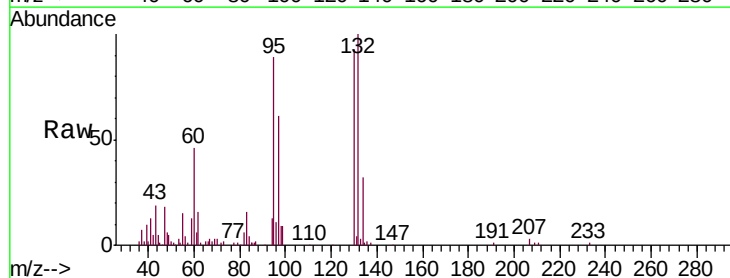
MMDadoda
 5/12/2019 12:05:19 PM

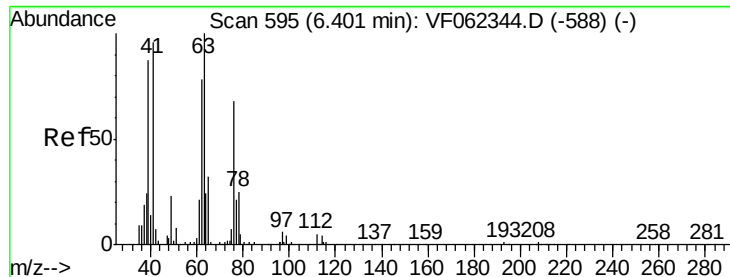


#44

Trichloroethene
 Concen: 23.432 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	189.0





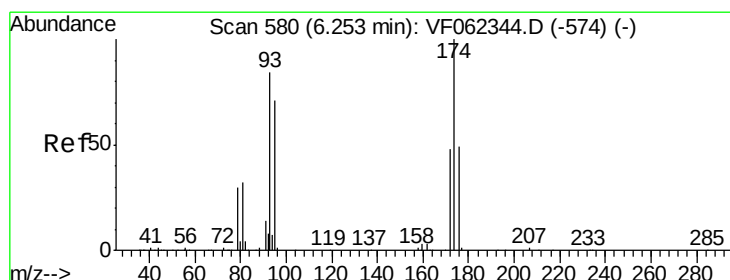
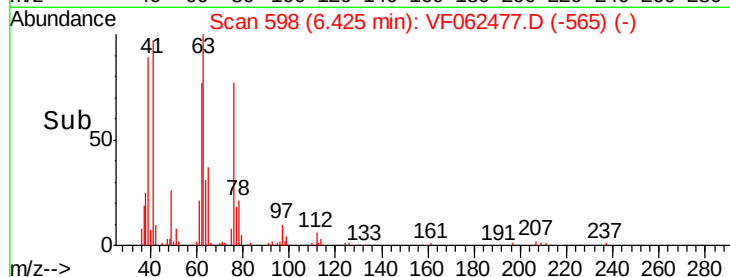
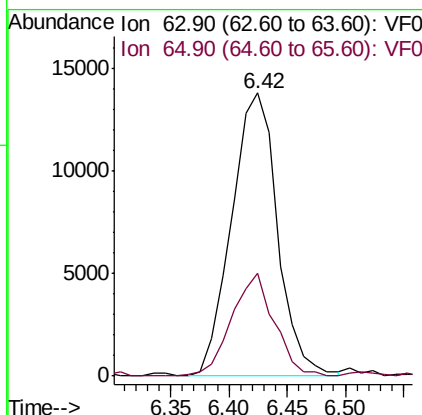
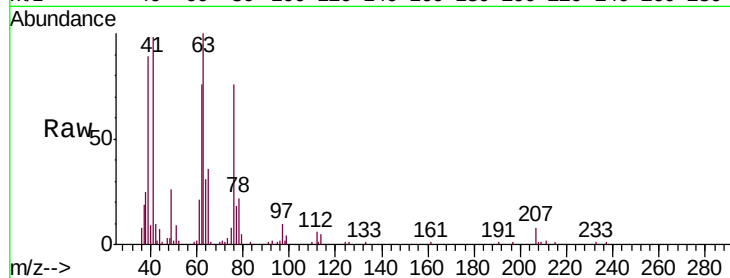
#45
1,2-Dichloropropane
Concen: 21.758 ug/l
RT: 6.42 min Scan# 598
Delta R.T. 0.02 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Lower	Upper
63	100		
65	36.2	25.6	38.4

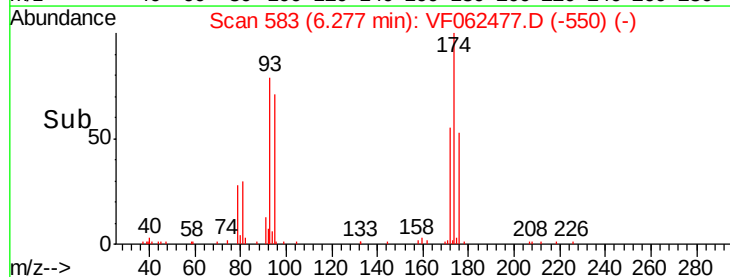
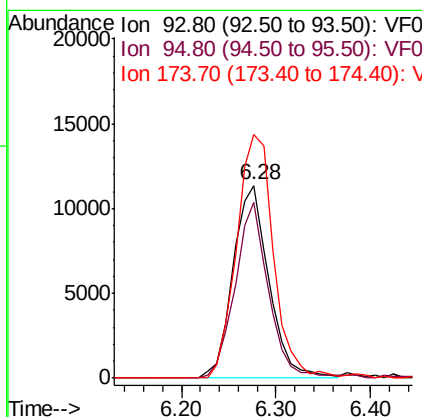
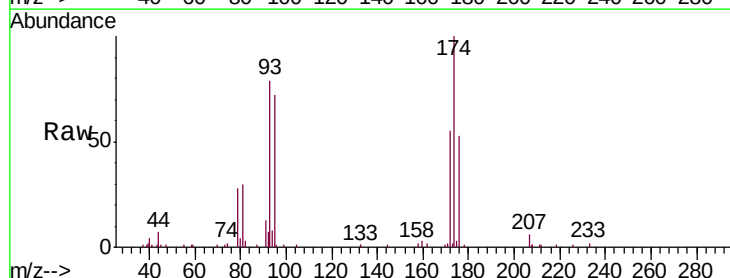
Manual Integrations
APPROVED

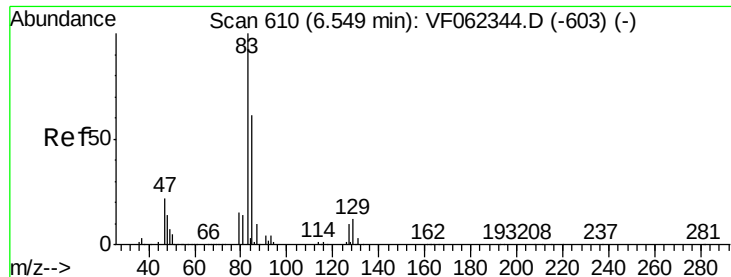
MMDadoda
5/12/2019 12:05:19 PM



#46
Dibromomethane
Concen: 20.754 ug/l
RT: 6.28 min Scan# 583
Delta R.T. 0.02 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.2	68.4	102.6
174	130.9	99.6	149.4





#47

Bromodichloromethane

Concen: 22.547 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

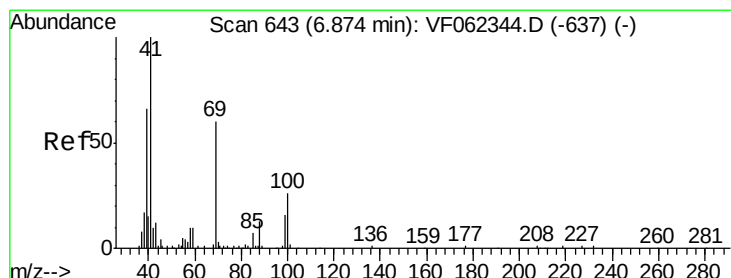
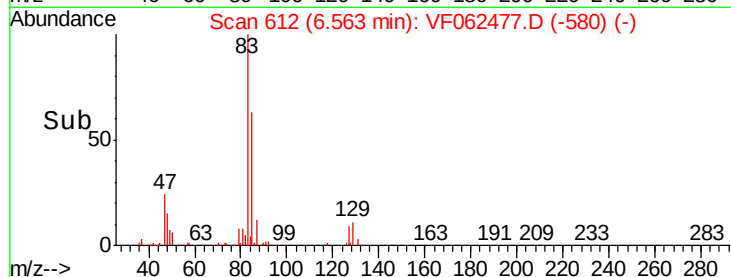
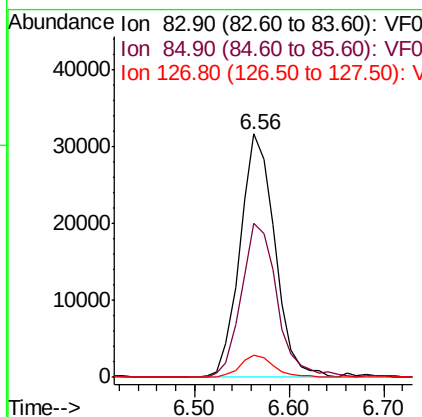
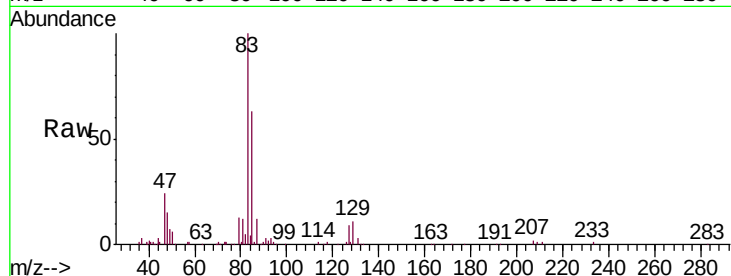
ClientSampleId :

VF0511SBS02

Tgt Ion:	83	Resp:	80918
Ion	Ratio	Lower	Upper
83	100		
85	63.5	49.1	73.7
127	8.8	7.8	11.8

Manual Integrations
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MMDadoda
5/12/2019 12:05:19 PM



#48

Methyl methacrylate

Concen: 21.476 ug/l

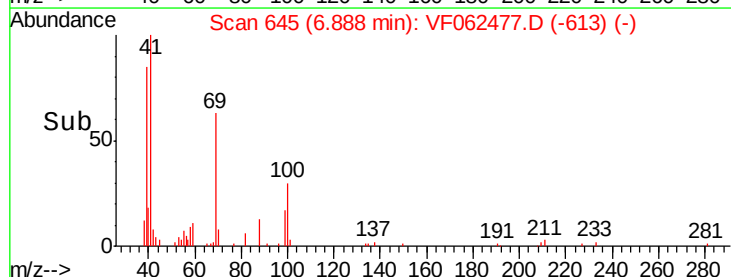
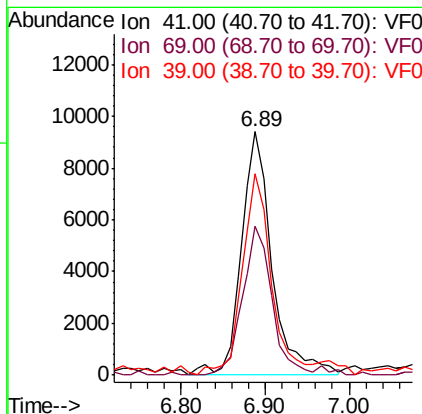
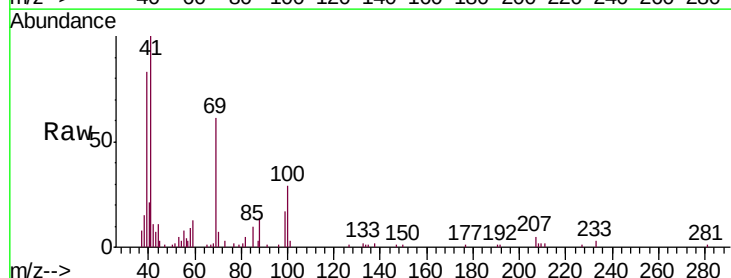
RT: 6.89 min Scan# 645

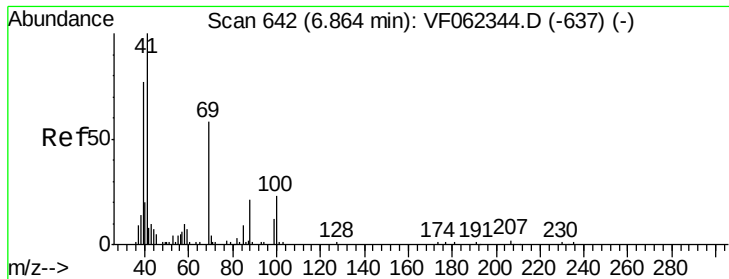
Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Tgt Ion:	41	Resp:	23962
Ion	Ratio	Lower	Upper
41	100		
69	58.3	48.6	72.8
39	78.3	56.1	84.1





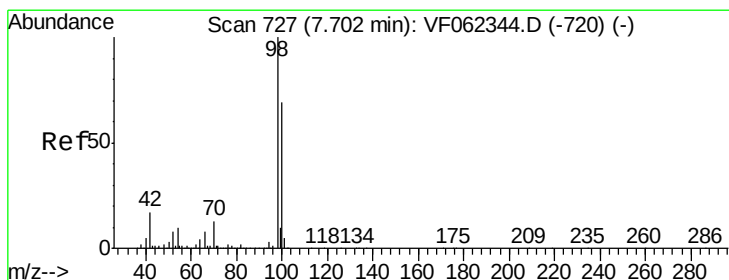
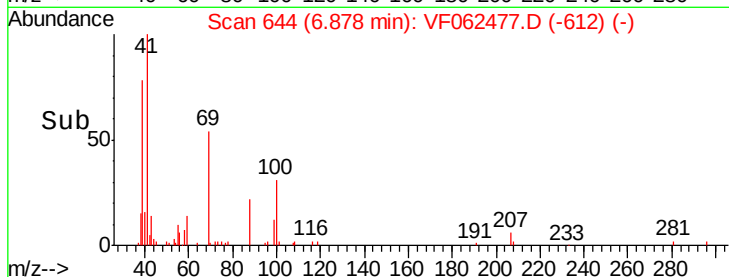
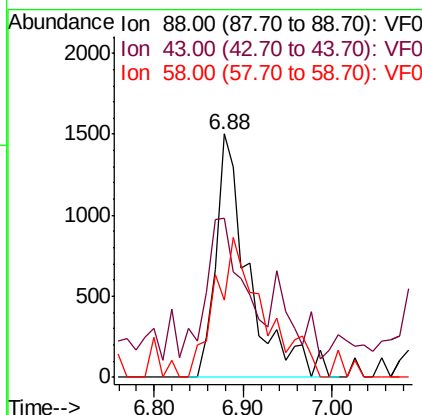
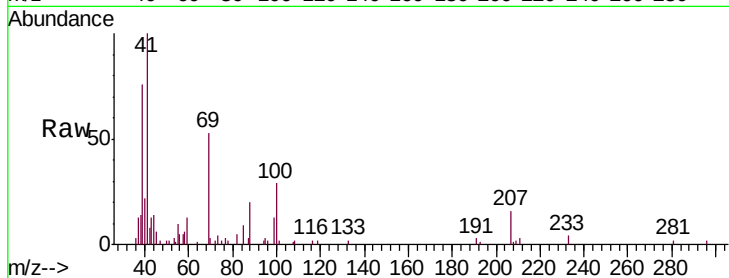
#49
1,4-Dioxane
Concen: 327.062 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	64.8	55.6	83.4
58	84.7	52.8	79.2

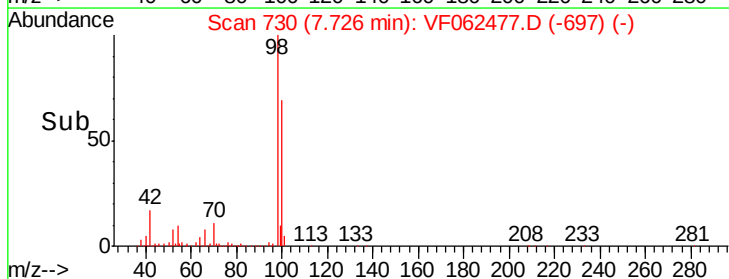
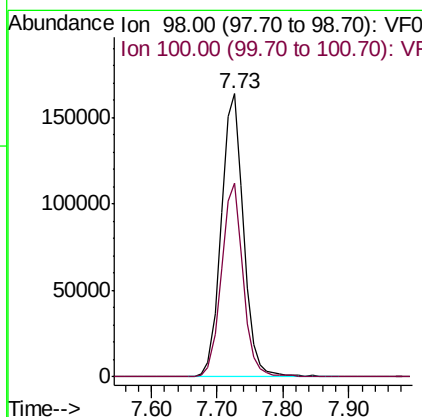
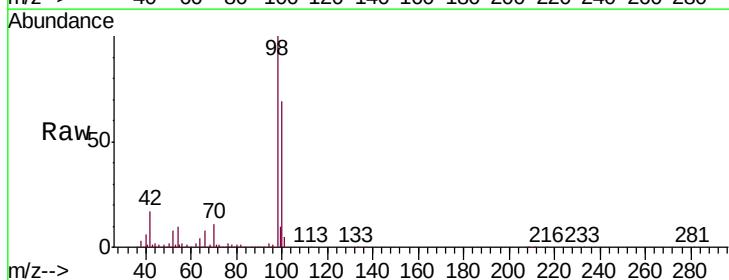
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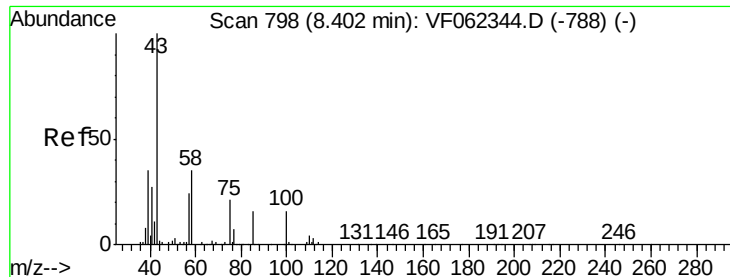
MMDadoda
5/12/2019 12:05:19 PM



#50
Toluene-d8
Concen: 49.970 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.02 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 108.178 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

Tgt Ion: 43 Resp: 129419

Ion Ratio Lower Upper

43 100

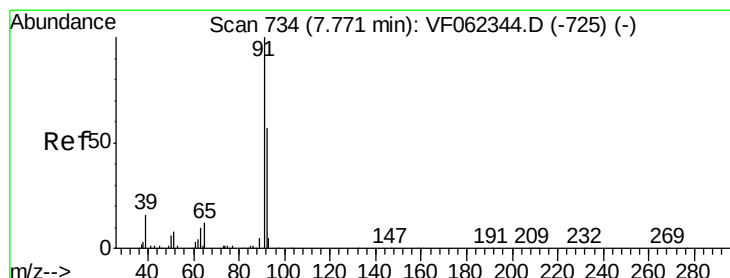
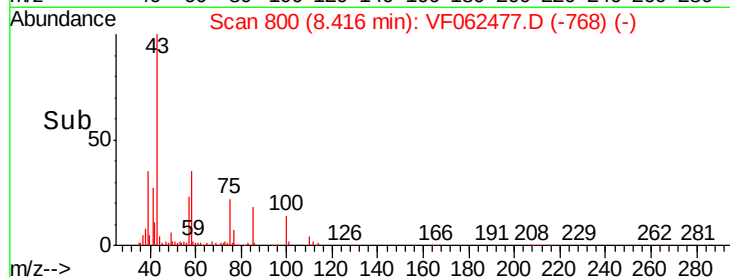
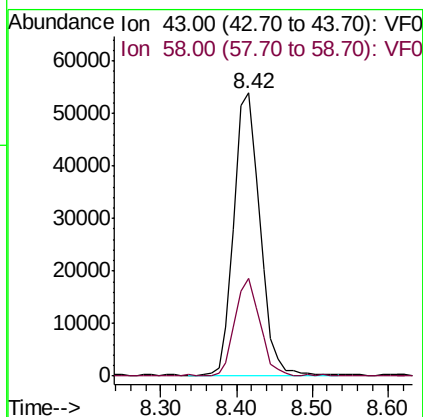
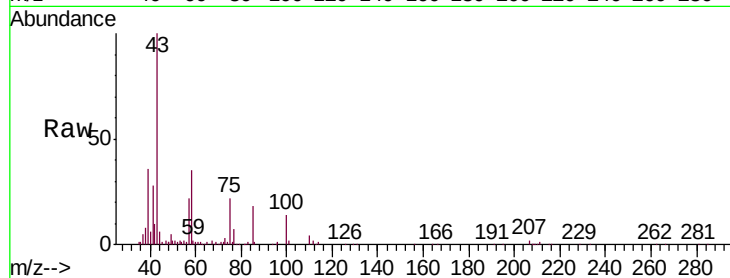
58 33.0 27.8 41.6

Manual Integrations

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#52

Toluene

Concen: 23.233 ug/l

RT: 7.79 min Scan# 737

Delta R.T. 0.02 min

Lab File: VF062477.D

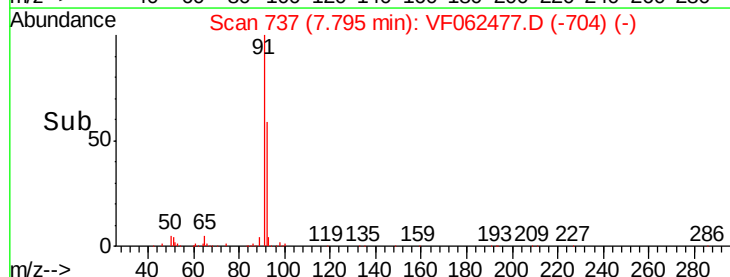
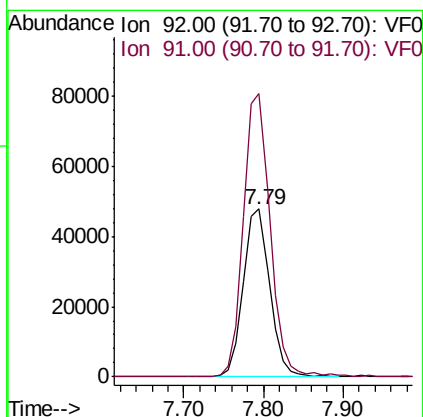
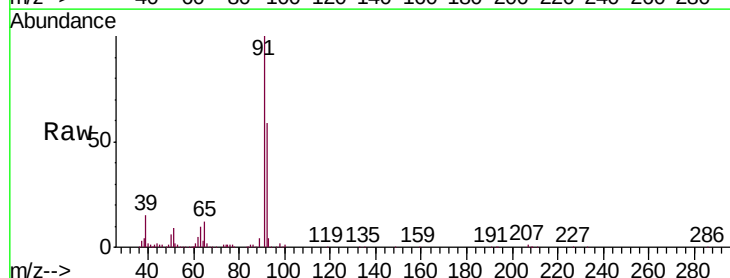
Acq: 12 May 2019 00:35

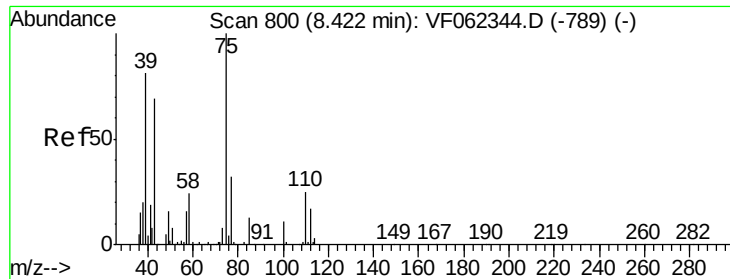
Tgt Ion: 92 Resp: 109554

Ion Ratio Lower Upper

92 100

91 171.4 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 22.025 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

Tgt Ion: 75 Resp: 59784

Ion Ratio Lower Upper

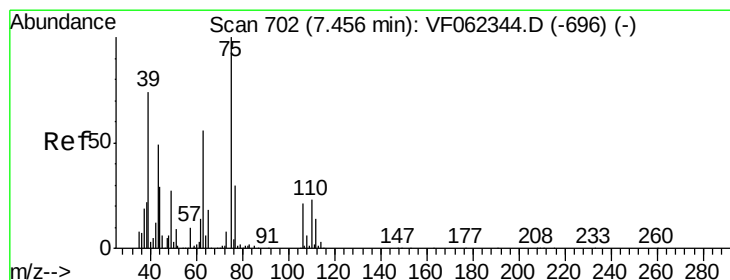
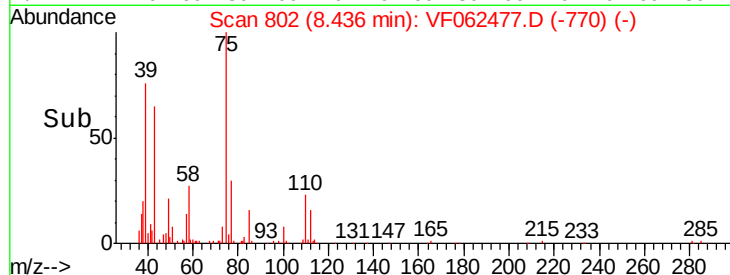
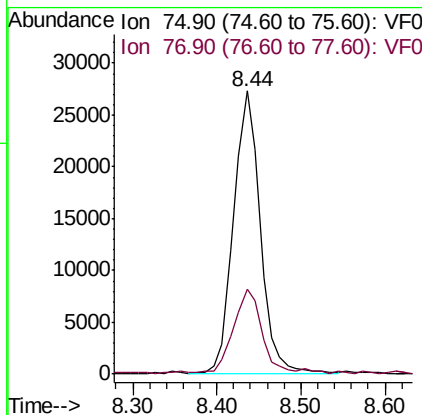
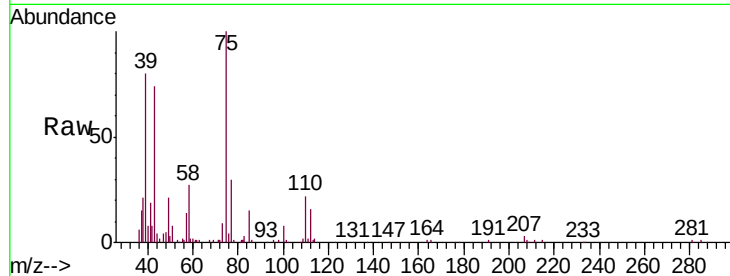
75 100

77 29.8 25.4 38.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 22.219 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

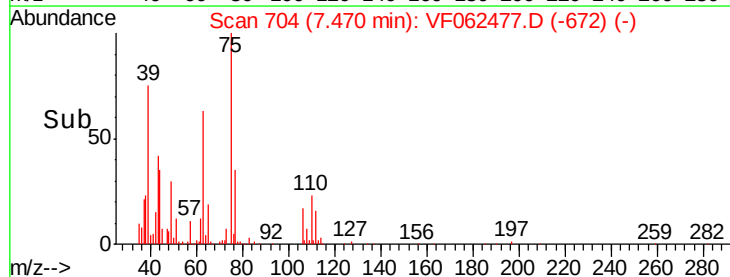
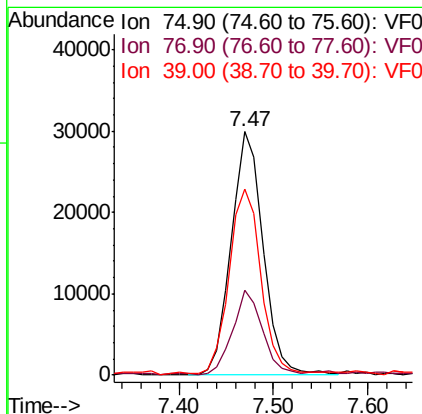
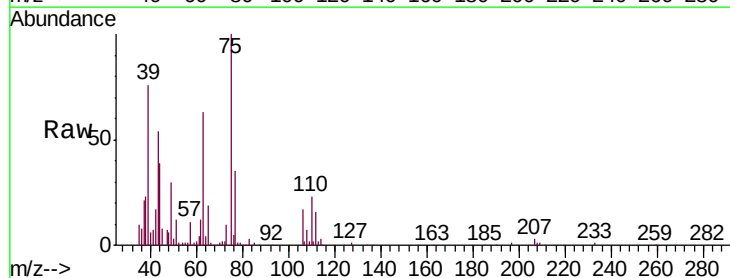
Tgt Ion: 75 Resp: 70191

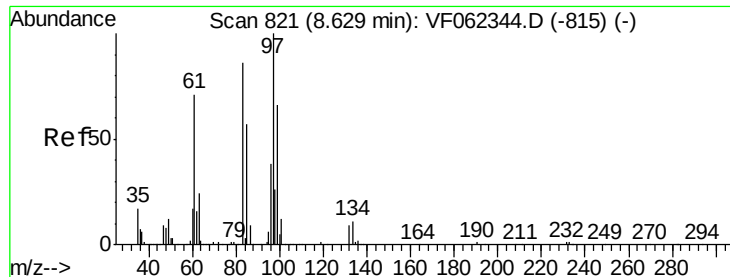
Ion Ratio Lower Upper

75 100

77 34.5 24.0 36.0

39 75.4 58.7 88.1





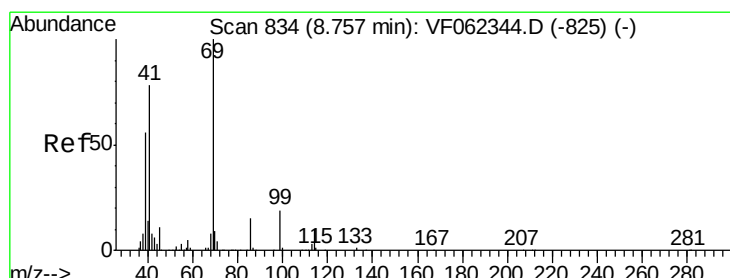
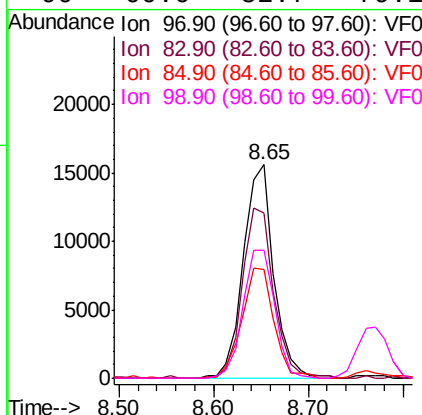
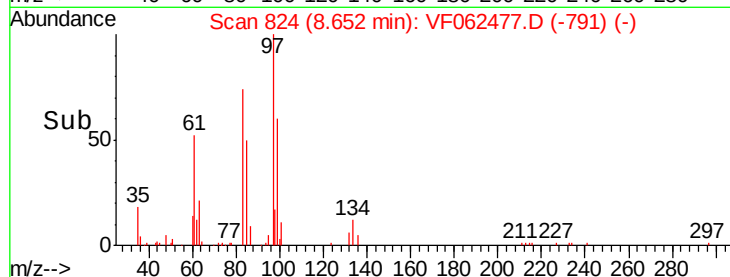
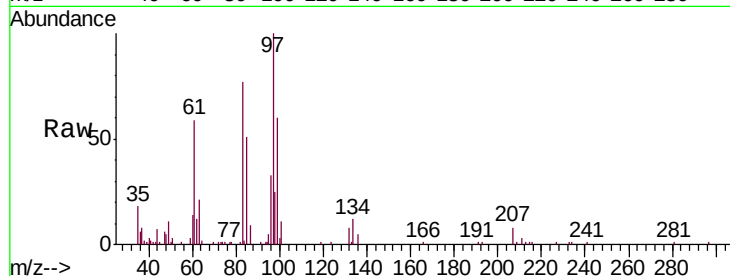
#55
 1,1,2-Trichloroethane
 Concen: 23.334 ug/l
 RT: 8.65 min Scan# 824
 Delta R.T. 0.02 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	77.4	68.5	102.7
85	51.1	45.4	68.2
99	60.0	52.7	79.1

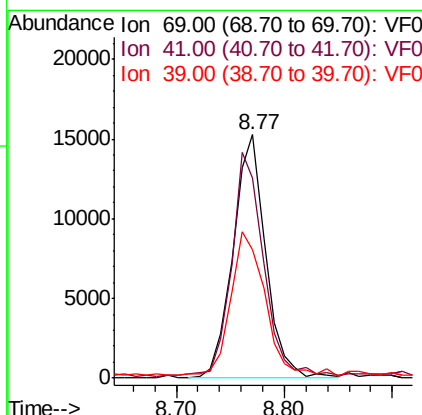
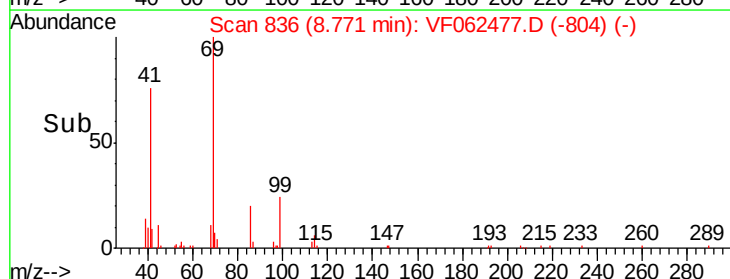
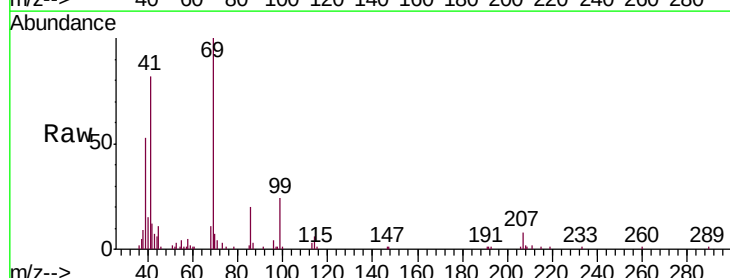
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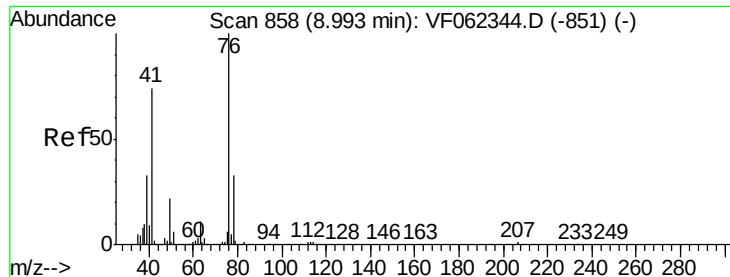
MMDadoda
 5/12/2019 12:05:19 PM



#56
 Ethyl methacrylate
 Concen: 20.286 ug/l
 RT: 8.77 min Scan# 836
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Lower	Upper
69	100		
41	90.3	66.3	99.5
39	61.0	50.1	75.1





#57

1,3-Dichloropropane

Concen: 22.698 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBSD02

Tgt Ion: 76 Resp: 51323

Ion Ratio Lower Upper

76 100

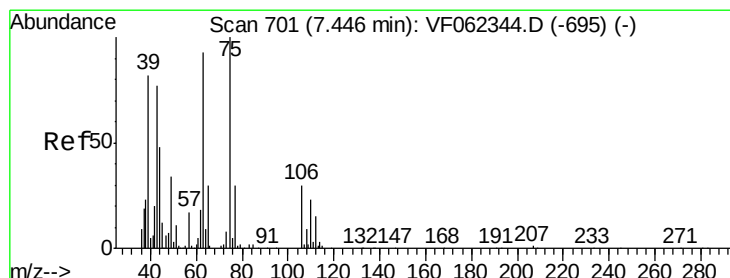
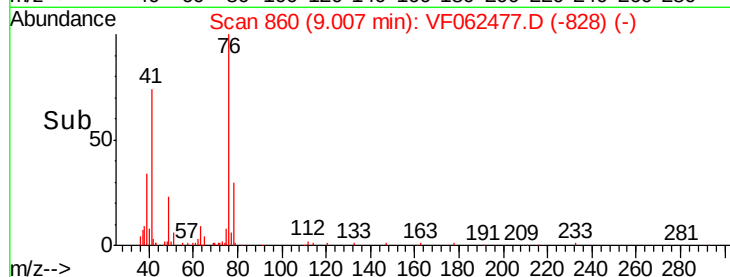
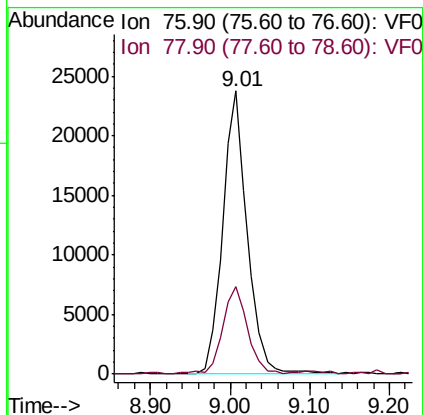
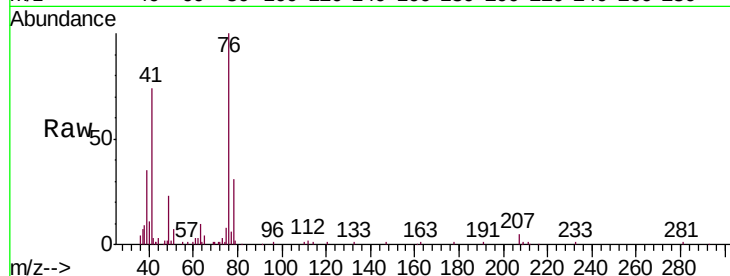
78 31.7 26.4 39.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 101.333 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062477.D

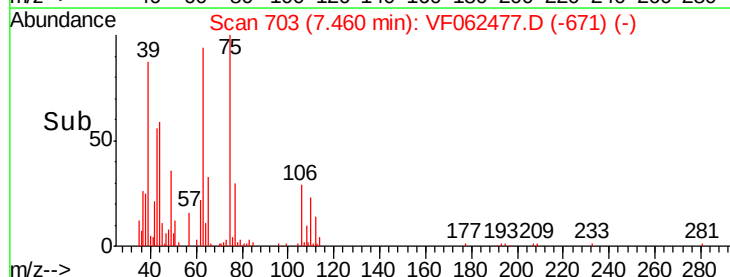
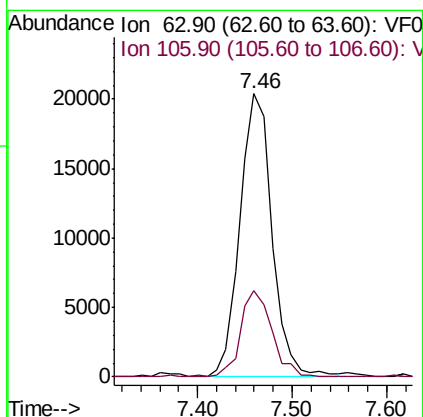
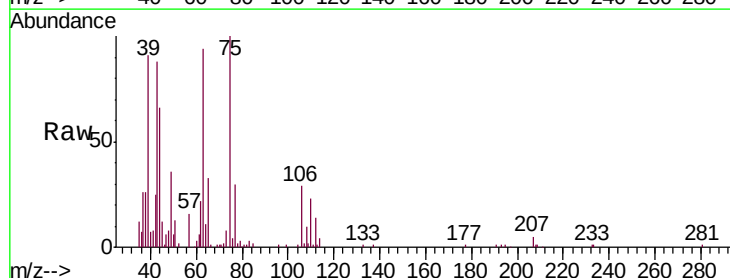
Acq: 12 May 2019 00:35

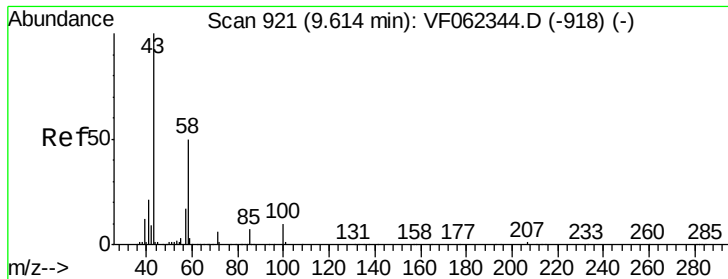
Tgt Ion: 63 Resp: 48139

Ion Ratio Lower Upper

63 100

106 29.4 25.8 38.8





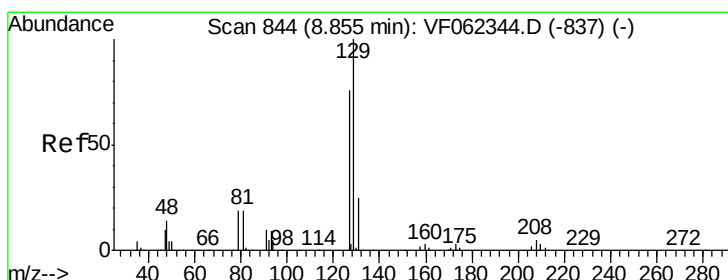
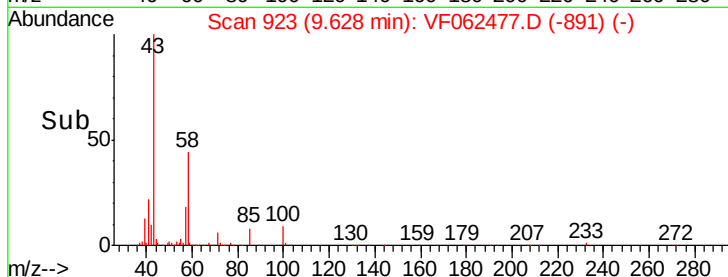
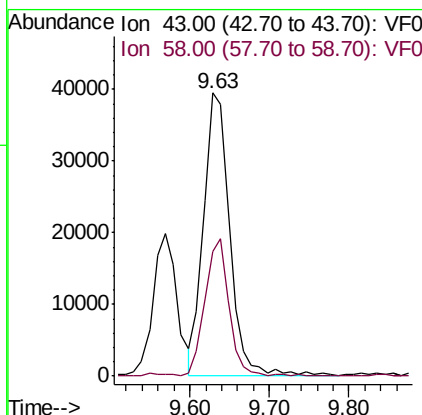
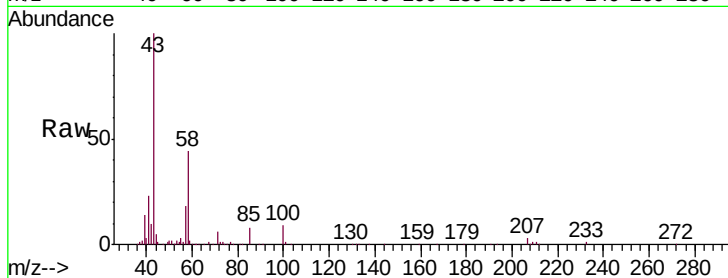
#59
2-Hexanone
Concen: 109.095 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion: 43 Resp: 90265
Ion Ratio Lower Upper
43 100
58 44.6 24.3 73.0

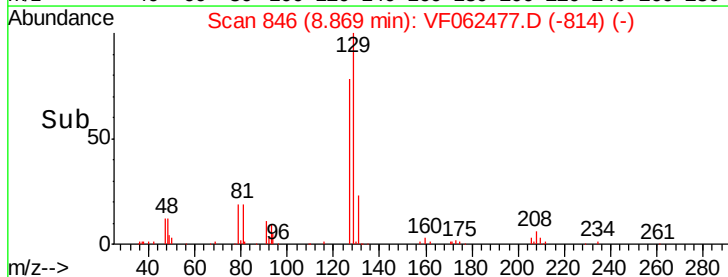
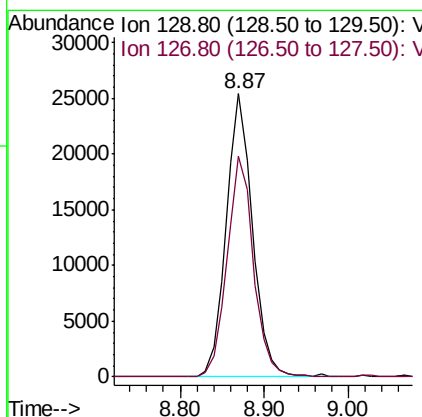
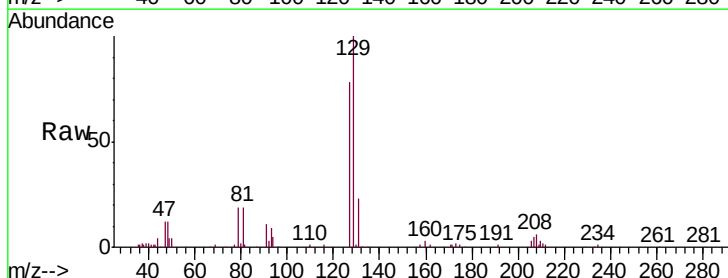
Manual Integrations
APPROVED

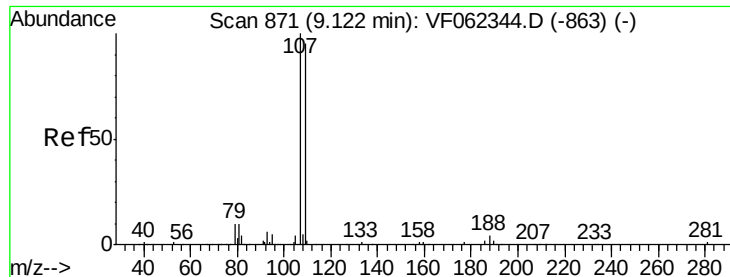
MMDadoda
5/12/2019 12:05:19 PM



#60
Dibromochloromethane
Concen: 22.494 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion: 129 Resp: 55071
Ion Ratio Lower Upper
129 100
127 78.4 38.5 115.3





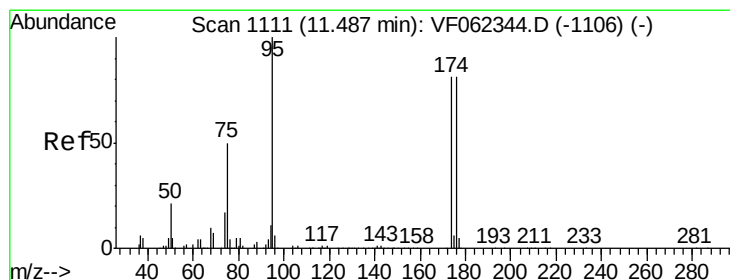
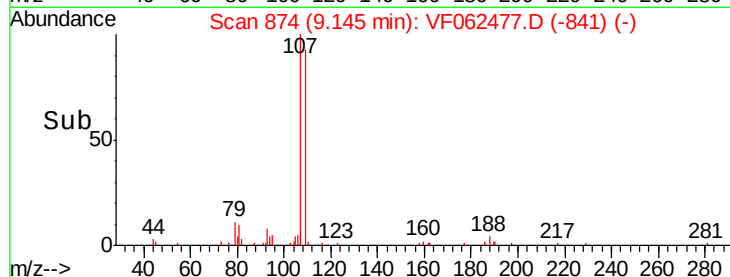
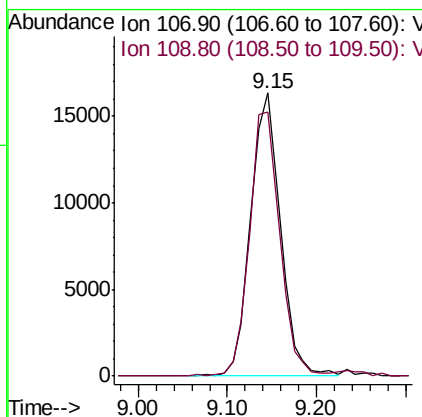
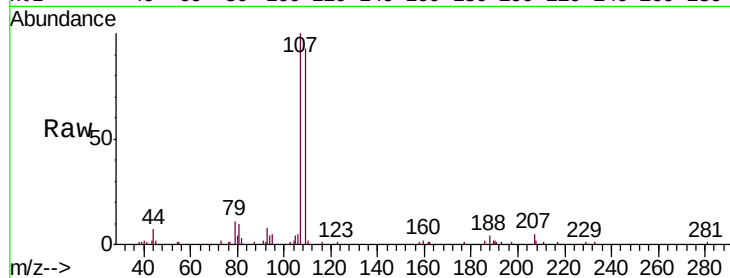
#61
 1,2-Dibromoethane
 Concen: 21.410 ug/l
 RT: 9.15 min Scan# 874
 Delta R.T. 0.02 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

Tgt Ion: 107 Resp: 37667
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.2 112.8

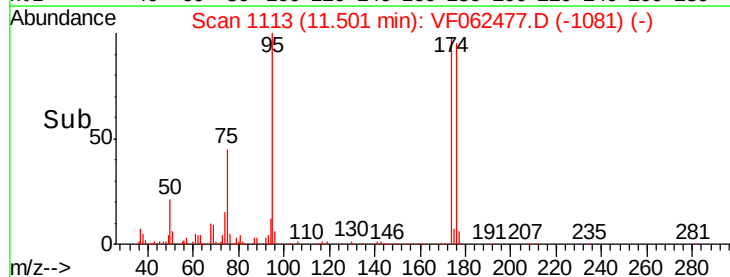
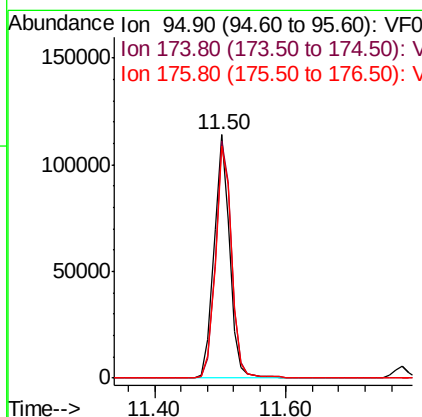
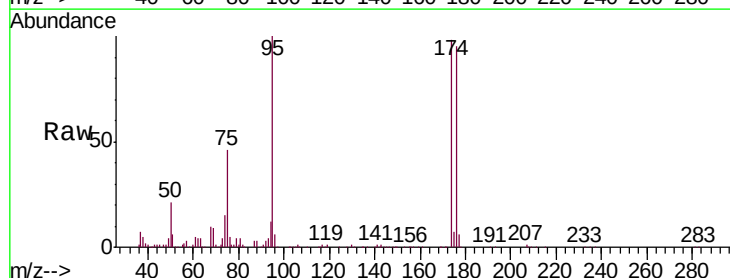
Manual Integrations
 APPROVED

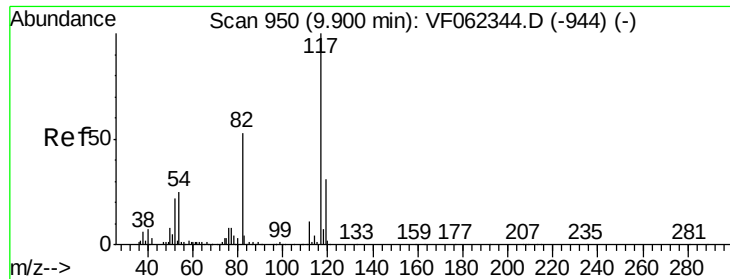
MMDadoda
 5/12/2019 12:05:19 PM



#62
 4-Bromofluorobenzene
 Concen: 52.707 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion: 95 Resp: 185299
 Ion Ratio Lower Upper
 95 100
 174 99.6 0.0 191.8
 176 98.8 0.0 193.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 953

Delta R.T. 0.02 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

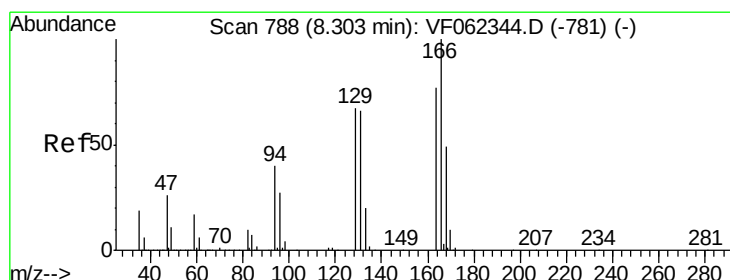
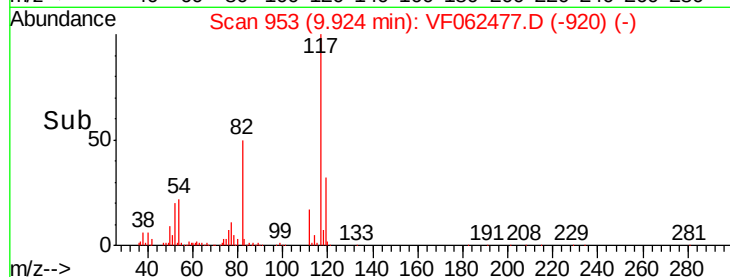
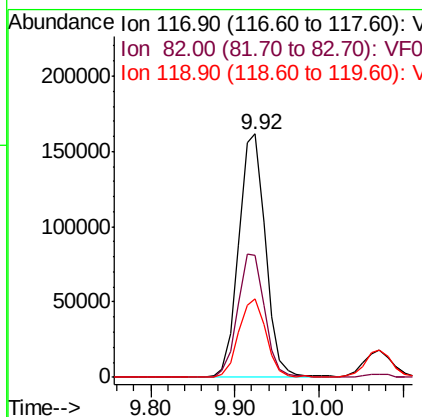
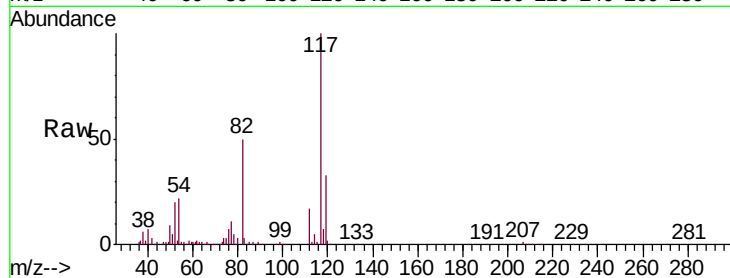
ClientSampleId :

VF0511SBS02

Tgt Ion:	117	Resp:	358683
Ion Ratio	Lower	Upper	
117	100		
82	50.2	42.2	63.2
119	32.5	25.0	37.4

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#64

Tetrachloroethene

Concen: 23.275 ug/l

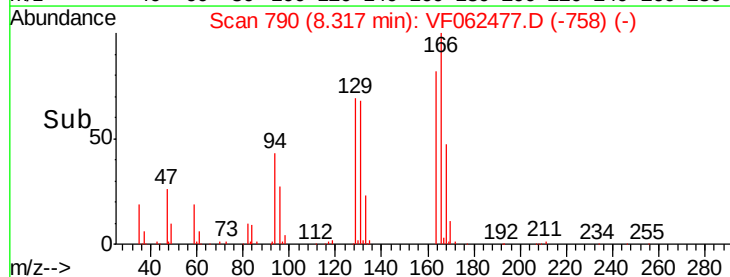
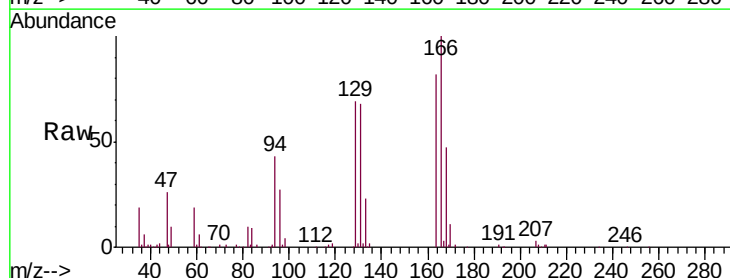
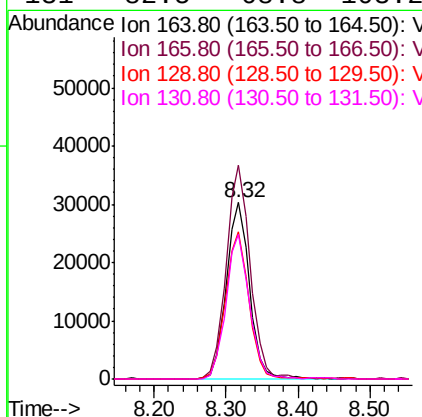
RT: 8.32 min Scan# 790

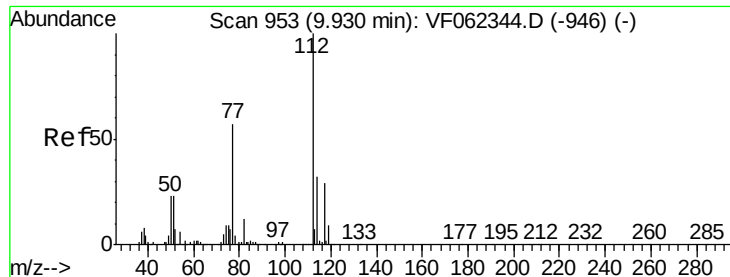
Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Tgt Ion:	164	Resp:	67774
Ion Ratio	Lower	Upper	
164	100		
166	121.3	104.2	156.4
129	83.4	69.6	104.4
131	82.5	68.8	103.2





#65

Chlorobenzene

Concen: 22.928 ug/l

RT: 9.94 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

Tgt Ion:112 Resp: 136068

Ion Ratio Lower Upper

112 100

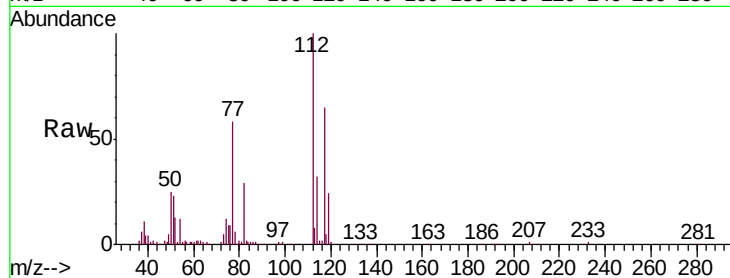
114 31.7 25.4 38.0

Manual Integrations

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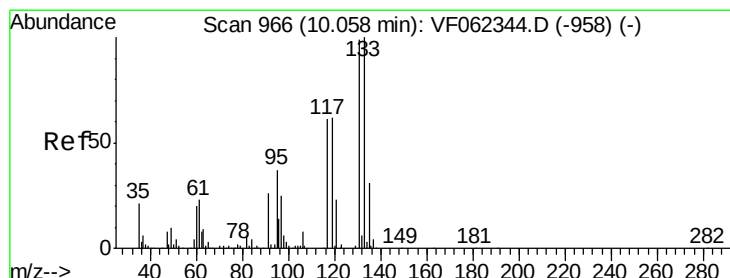
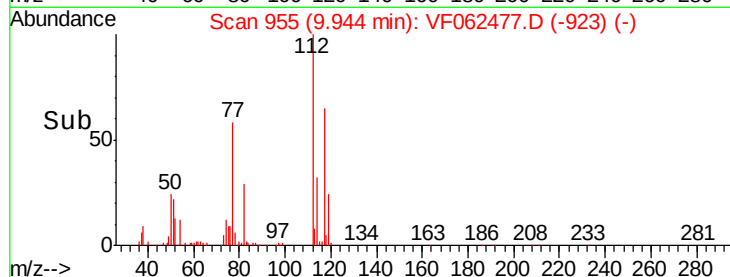
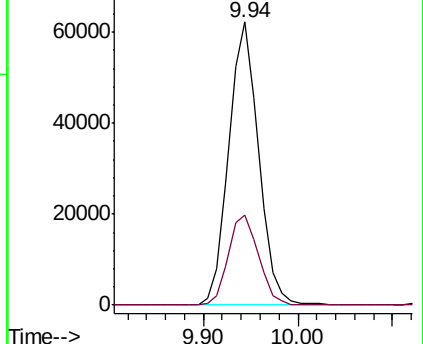
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.185 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

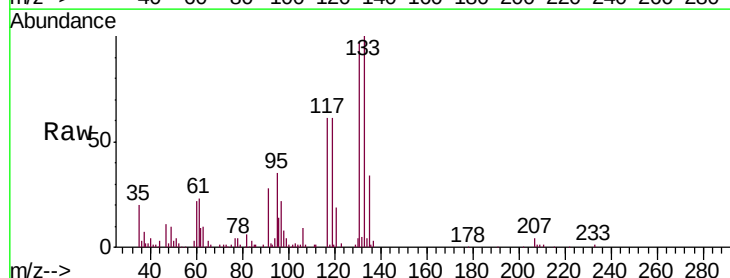
Tgt Ion:131 Resp: 63425

Ion Ratio Lower Upper

131 100

133 97.4 50.2 150.7

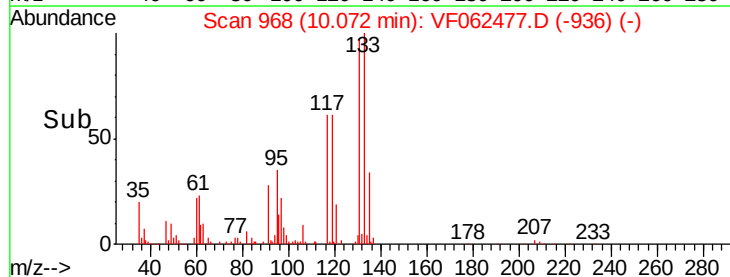
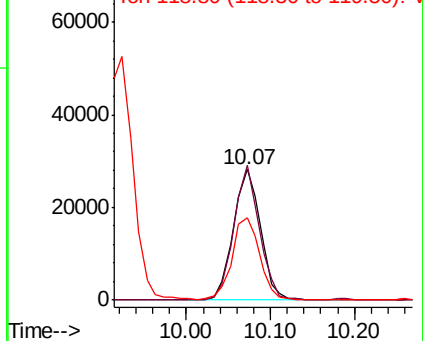
119 65.3 31.6 95.0

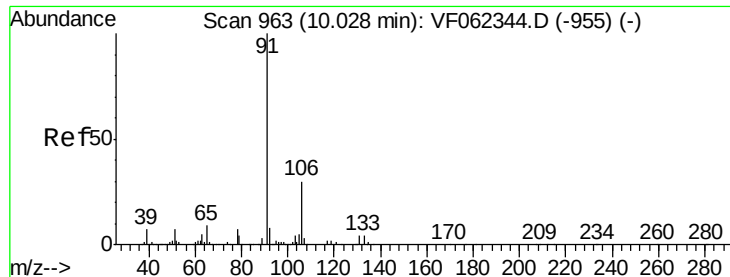


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





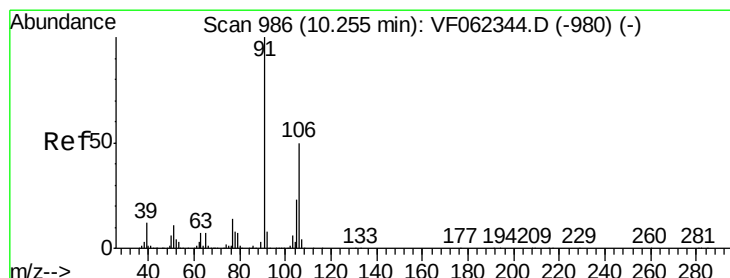
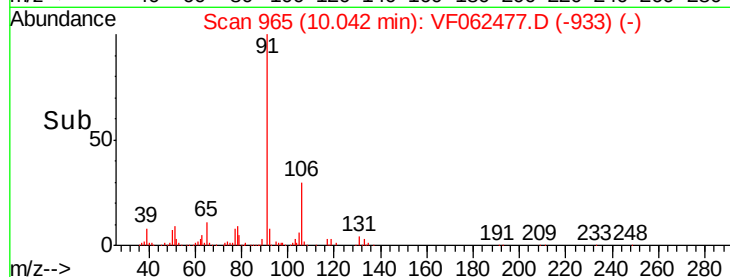
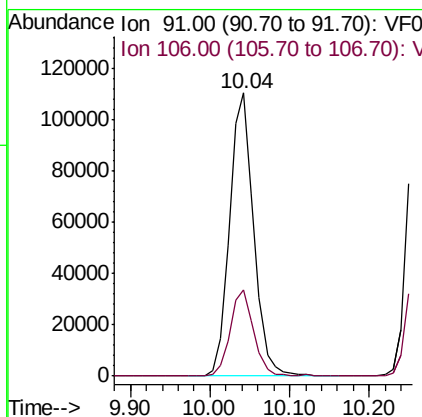
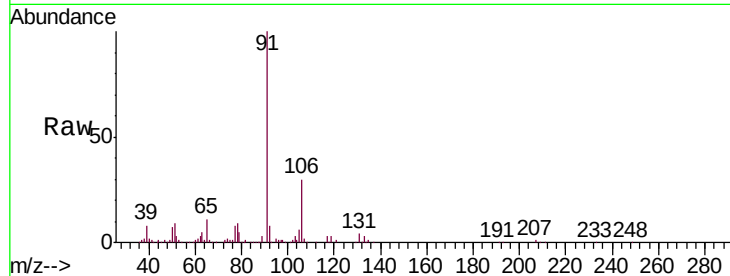
#67
Ethyl Benzene
Concen: 22.537 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBSD02

Tgt Ion: 91 Resp: 234205
Ion Ratio Lower Upper
91 100
106 30.4 24.1 36.1

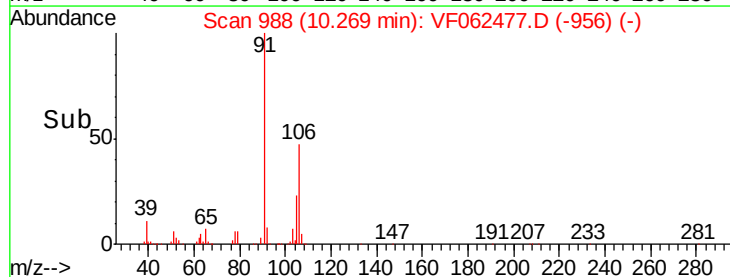
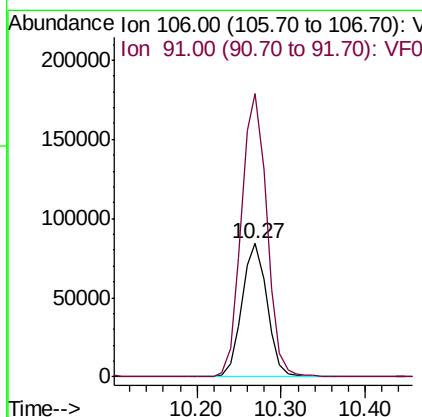
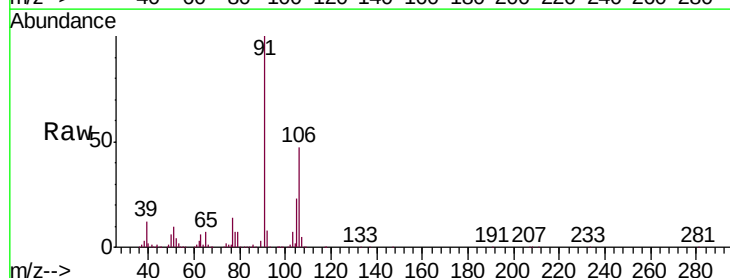
Manual Integrations
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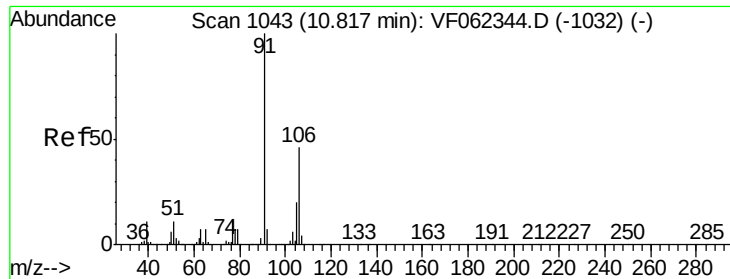
MMDadoda
5/12/2019 12:05:19 PM



#68
m/p-Xylenes
Concen: 46.076 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion: 106 Resp: 176669
Ion Ratio Lower Upper
106 100
91 215.8 167.4 251.2





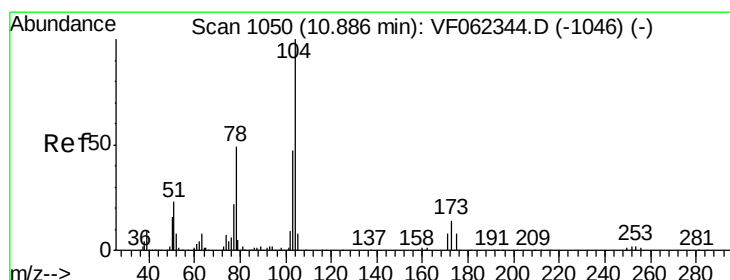
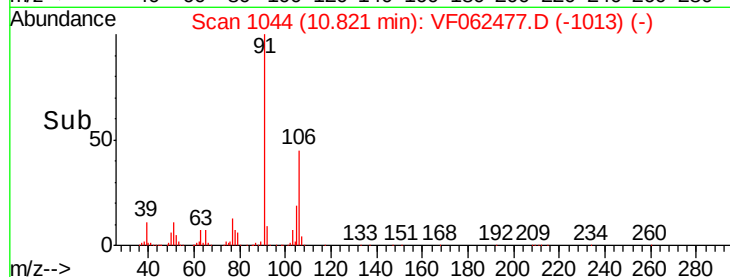
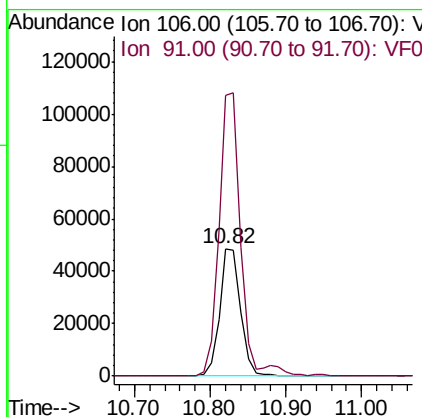
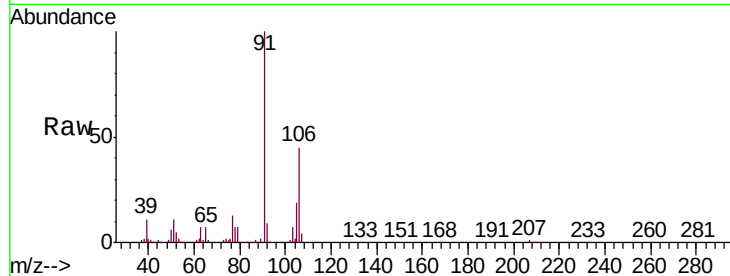
#69
o-Xylene
Concen: 22.608 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion:106 Resp: 93671
Ion Ratio Lower Upper
106 100
91 223.8 111.3 333.8

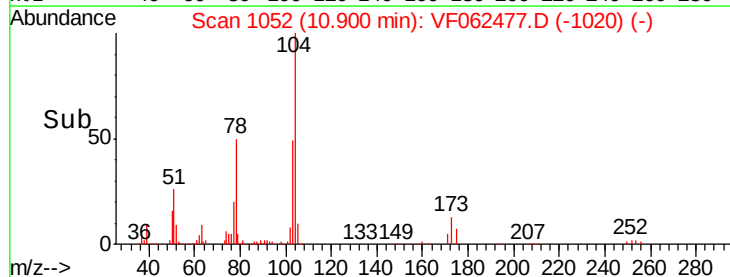
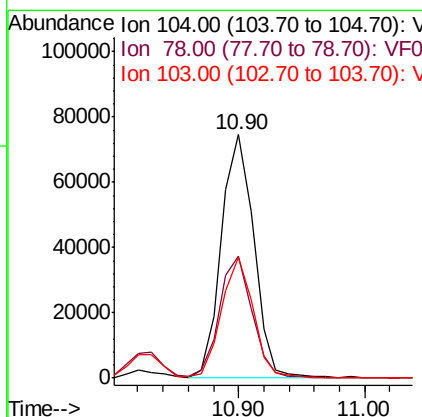
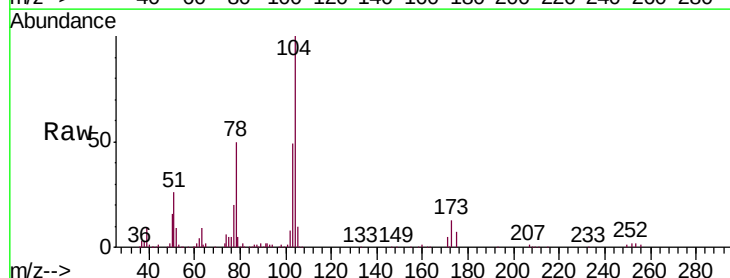
Manual Integrations
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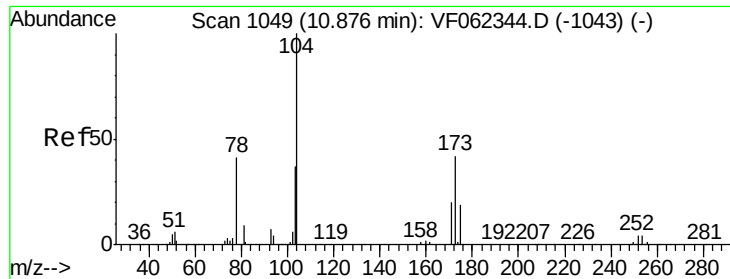
MMDadoda
5/12/2019 12:05:19 PM



#70
Styrene
Concen: 21.332 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion:104 Resp: 132462
Ion Ratio Lower Upper
104 100
78 50.8 39.5 59.3
103 48.5 38.4 57.6





#71

Bromoform

Concen: 20.243 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

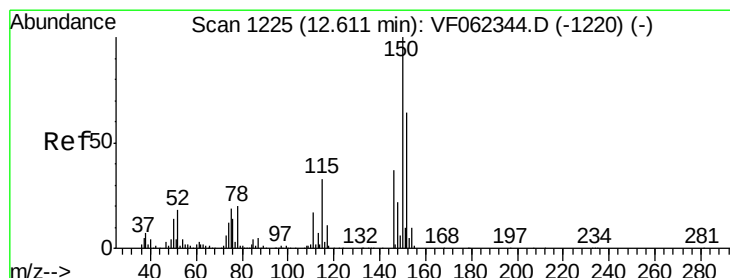
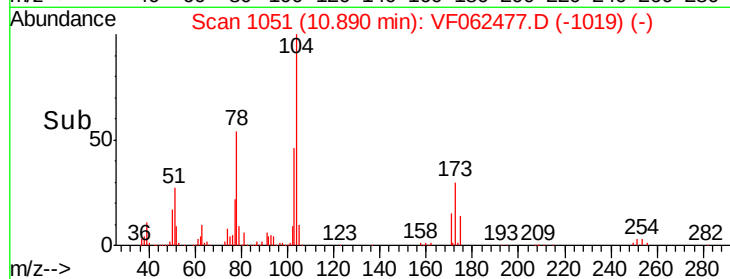
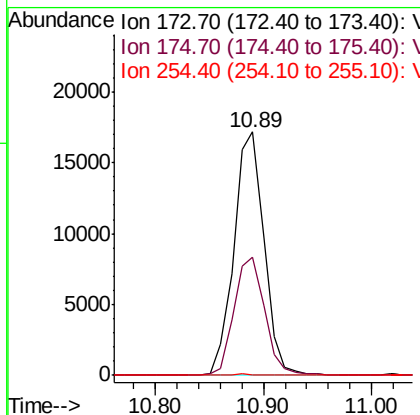
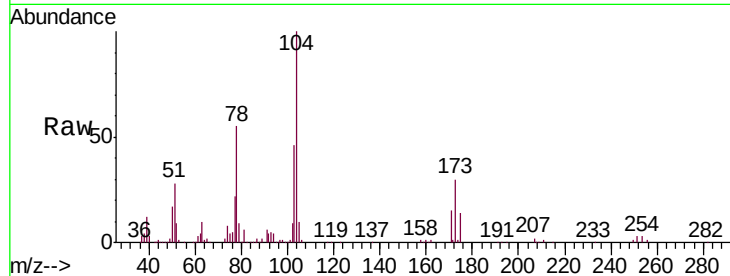
ClientSampleId :

VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	33202		
175	49.5	23.8	71.2	
254	0.2	0.1	0.1#	

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

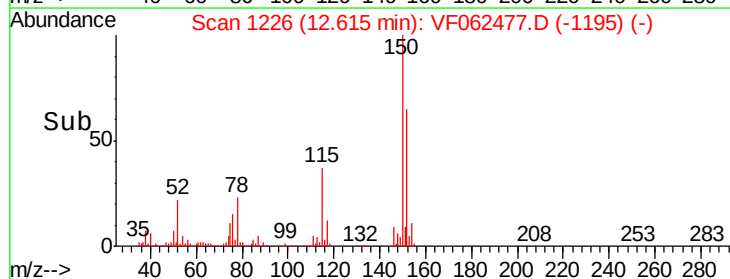
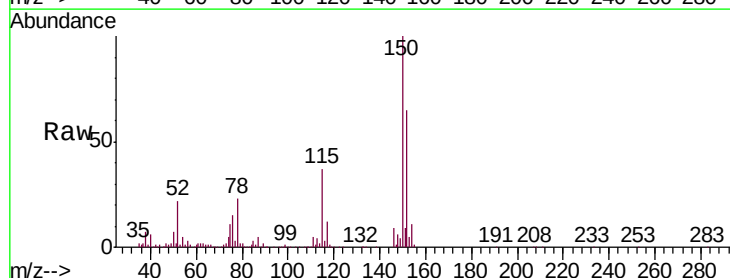
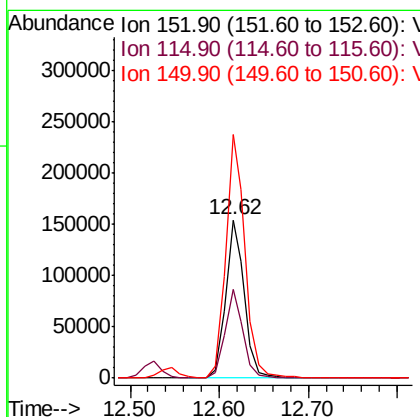
RT: 12.62 min Scan# 1226

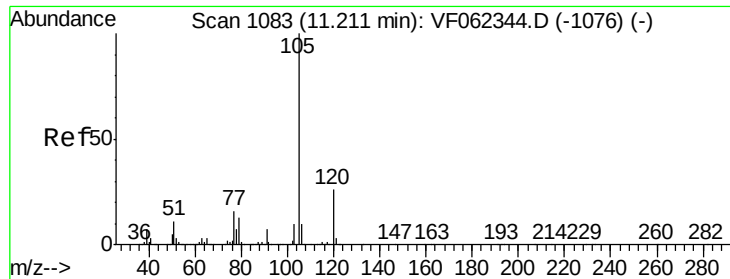
Delta R.T. 0.00 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	228425		
115	54.2	26.4	79.2	
150	157.8	0.0	335.0	





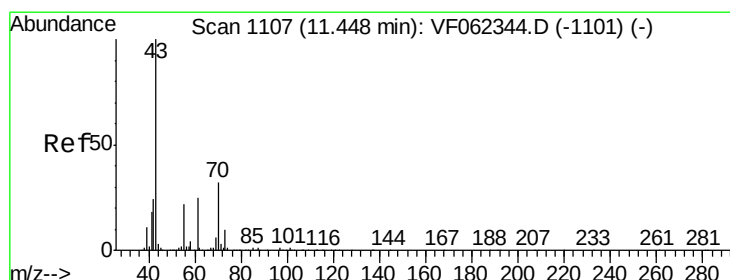
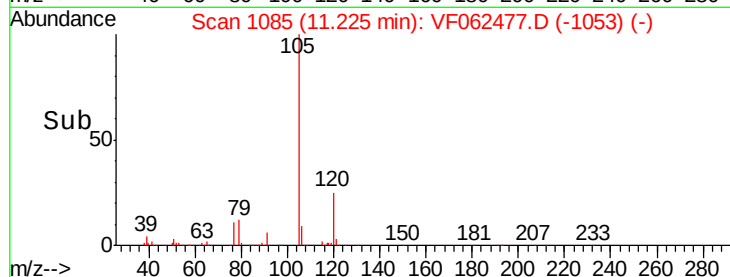
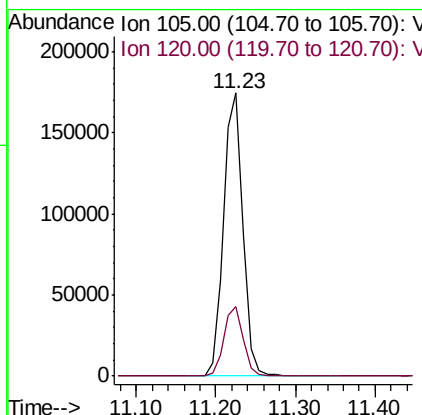
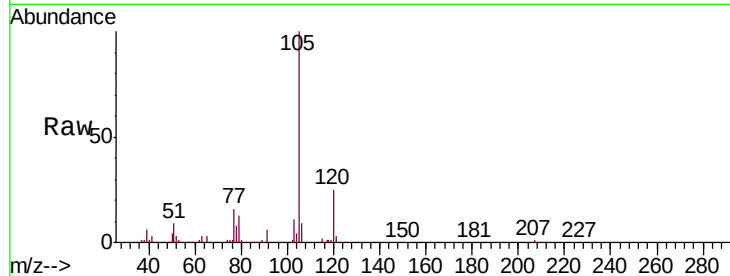
#73
Isopropylbenzene
Concen: 22.108 ug/l
RT: 11.23 min Scan# 1085
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.7	12.7	38.0

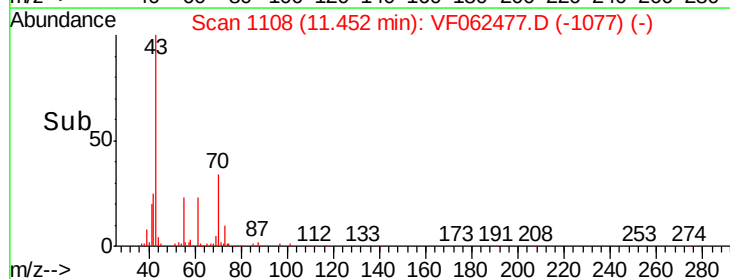
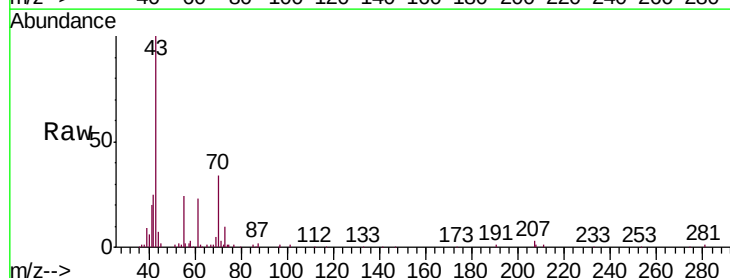
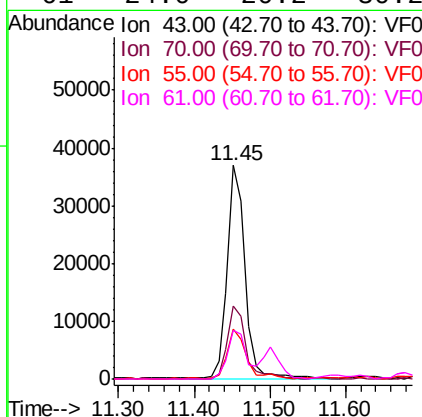
Manual Integrations
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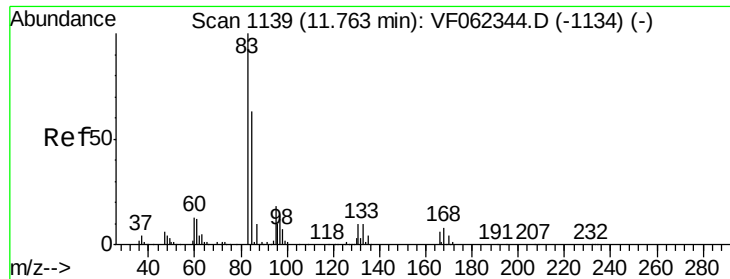
MMDadoda
5/12/2019 12:05:19 PM



#74
N-ethyl acetate
Concen: 20.946 ug/l
RT: 11.45 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.8	26.5	39.7
55	25.4	17.8	26.6
61	24.0	20.2	30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.398 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

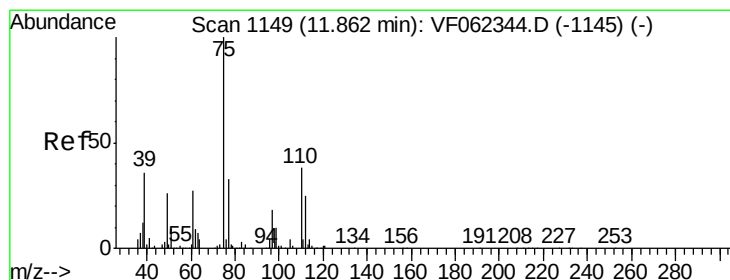
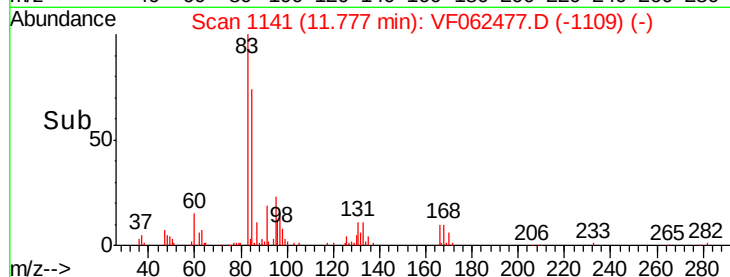
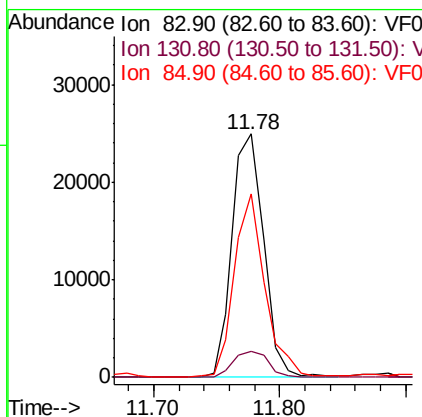
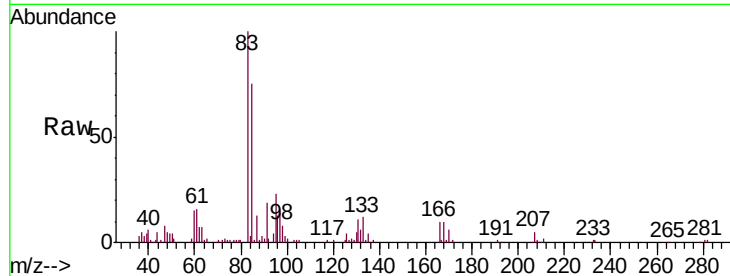
ClientSampleId :

VF0511SBS02

Tgt Ion:	83	Resp:	43251
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.8	17.4
85	73.5	35.3	105.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.111 ug/l

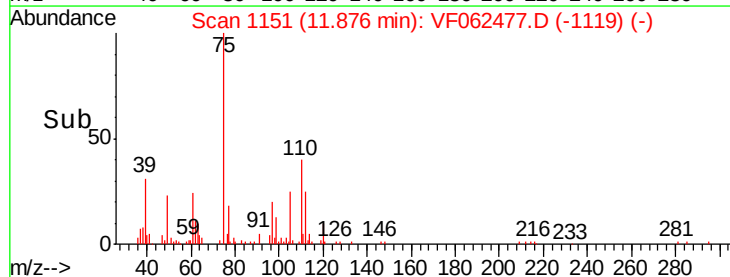
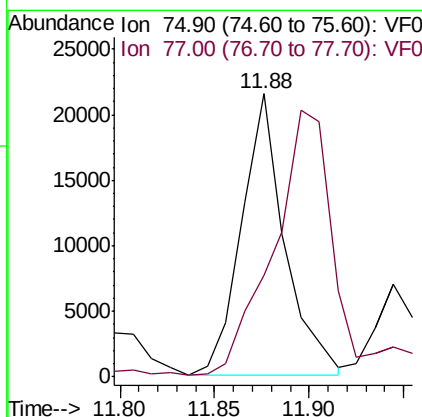
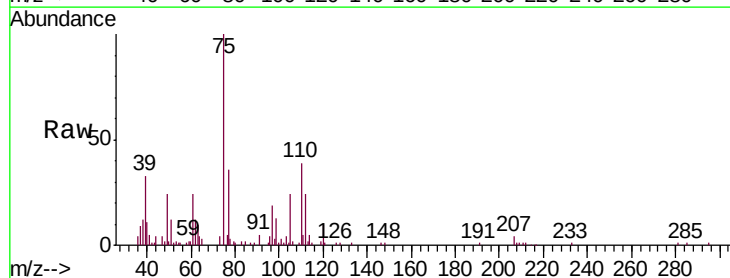
RT: 11.88 min Scan# 1151

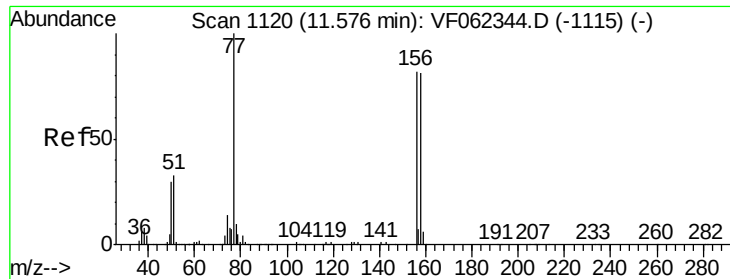
Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Tgt Ion:	75	Resp:	34151
Ion Ratio	Lower	Upper	
75	100		
77	127.4	0.0	0.0#





#77

Bromobenzene

Concen: 22.137 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

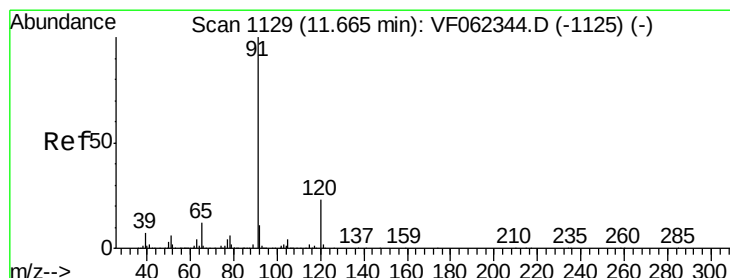
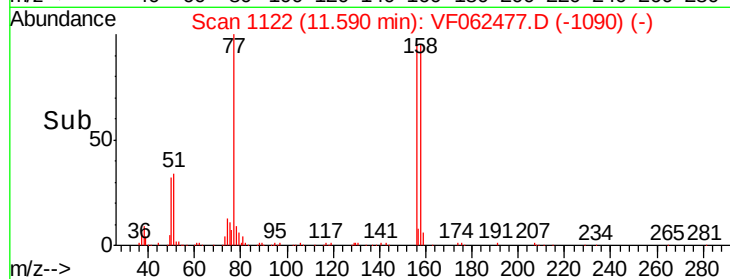
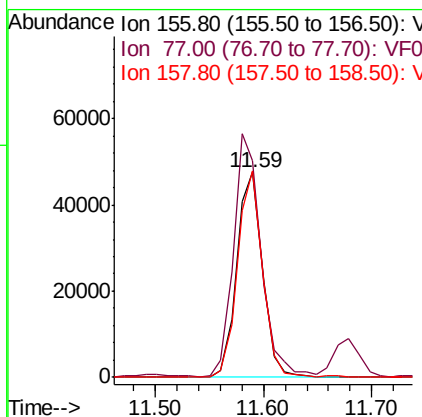
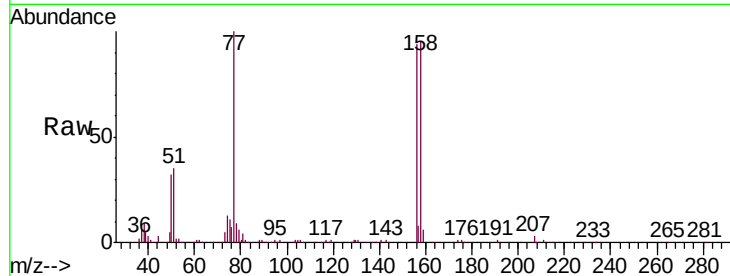
ClientSampleId :

VF0511SBS02

Tgt Ion:	156	Resp:	78677
Ion Ratio	Lower	Upper	
156	100		
77	126.9	64.8	194.3
158	97.3	49.1	147.3

Manual Integrations
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MMDadoda
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#78

n-propylbenzene

Concen: 23.003 ug/l

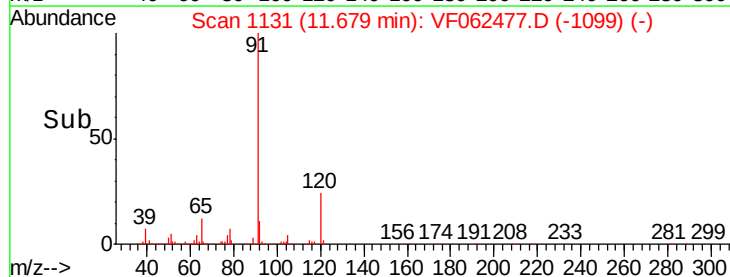
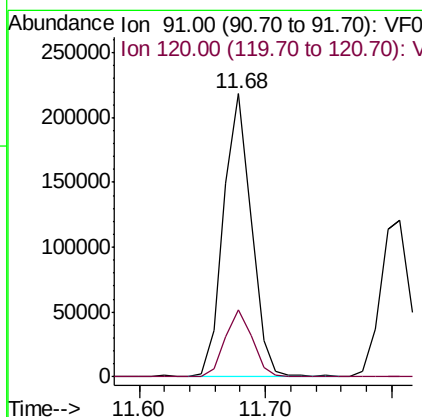
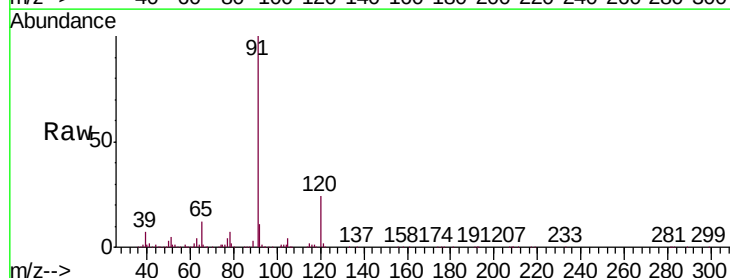
RT: 11.68 min Scan# 1131

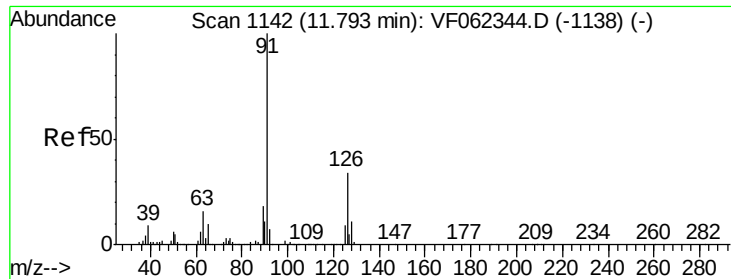
Delta R.T. 0.01 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Tgt Ion:	91	Resp:	331641
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.9	35.5





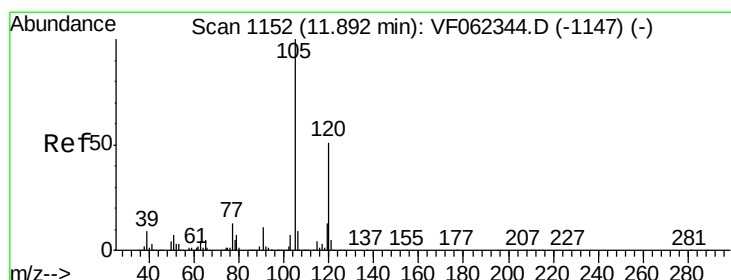
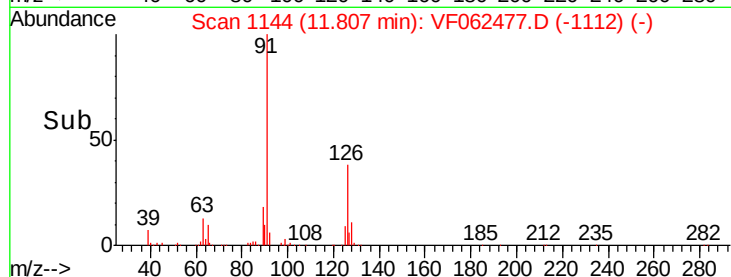
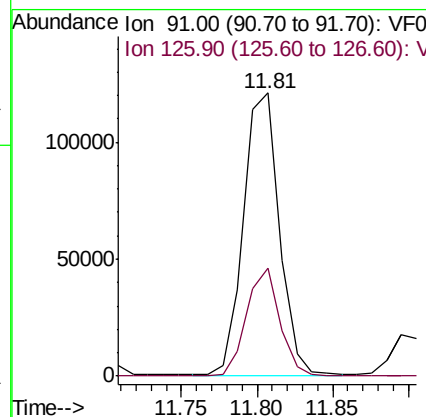
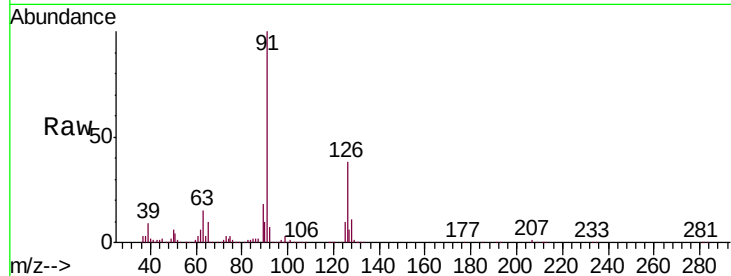
#79
 2-Chlorotoluene
 Concen: 22.216 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

Tgt Ion: 91 Resp: 199172
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.8 53.4

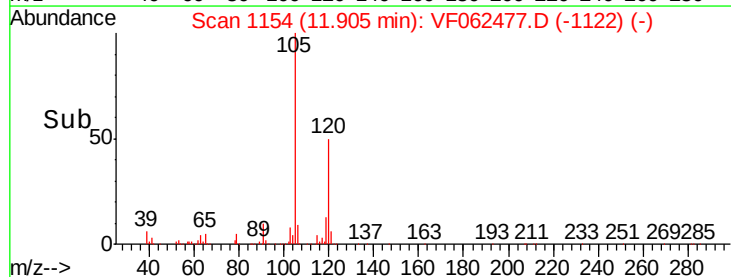
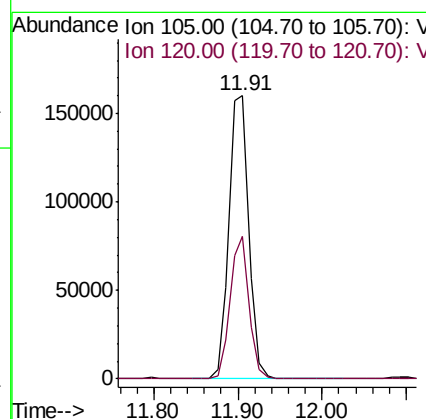
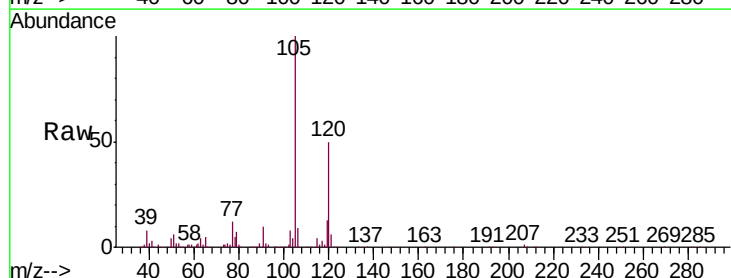
Manual Integrations
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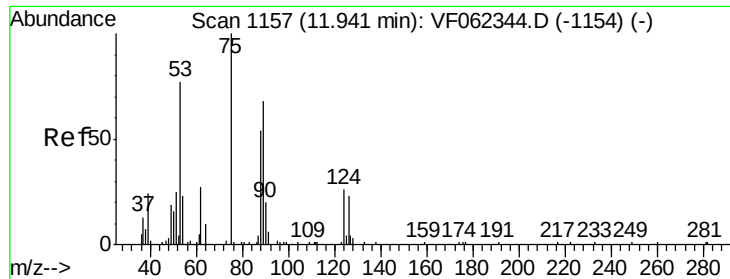
MMDadoda
 5/12/2019 12:05:19 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 22.184 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion: 105 Resp: 263314
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.169 ug/l m

RT: 11.94 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Instrument :

MSVOA_F

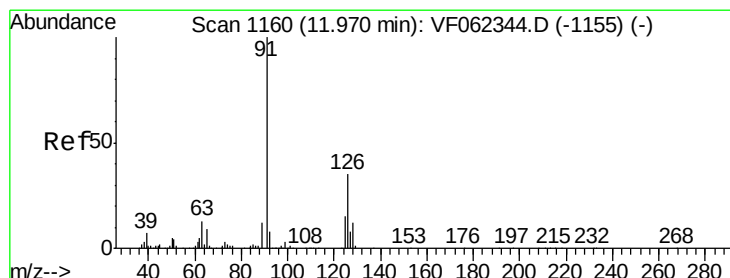
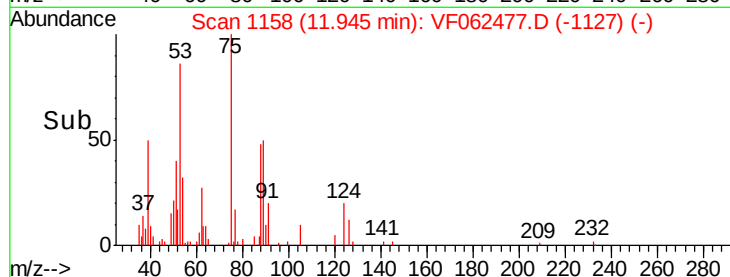
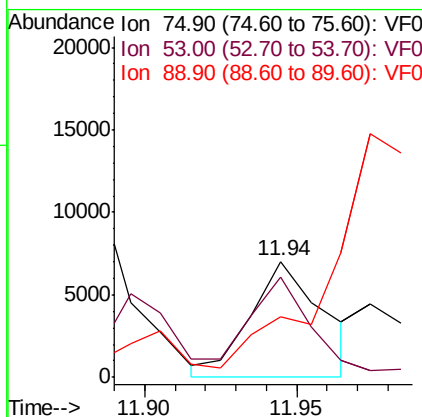
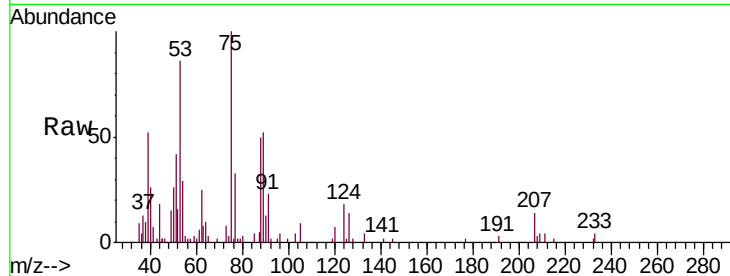
ClientSampleId :

VF0511SBS02

Tgt Ion:	75	Resp:	11656
Ion	Ratio	Lower	Upper
75	100		
53	78.3	71.9	107.9
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.149 ug/l

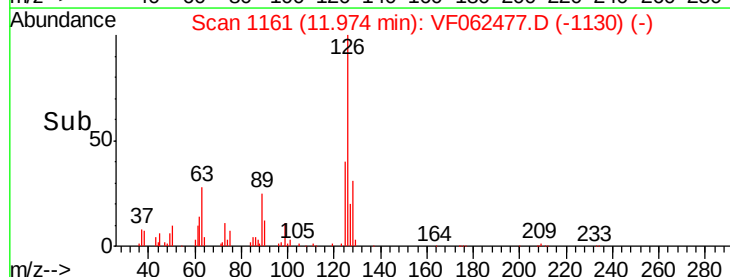
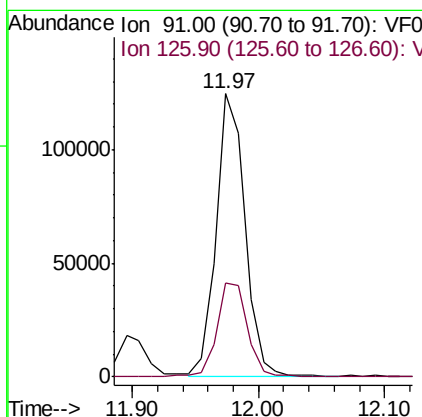
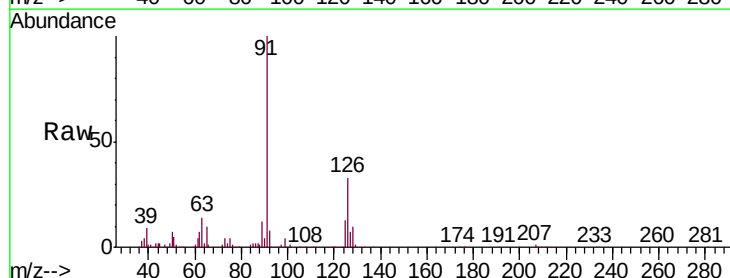
RT: 11.97 min Scan# 1161

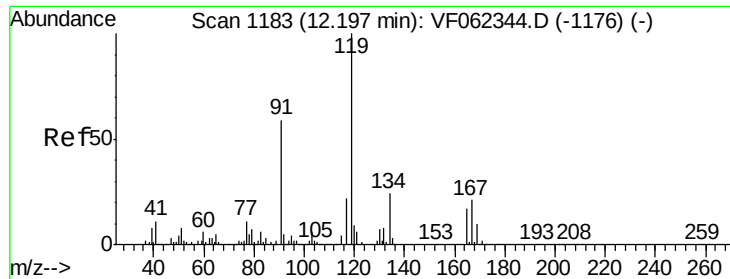
Delta R.T. 0.00 min

Lab File: VF062477.D

Acq: 12 May 2019 00:35

Tgt Ion:	91	Resp:	196118
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.7	53.1





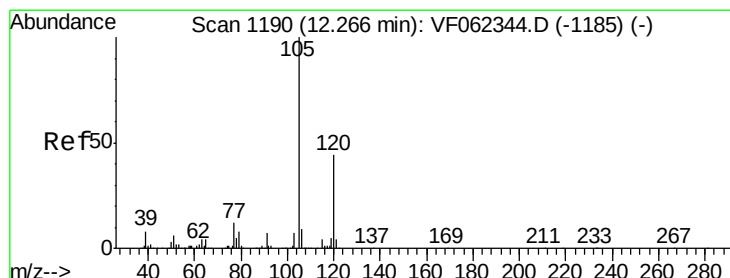
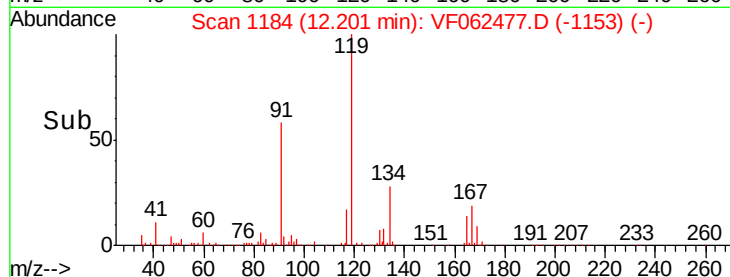
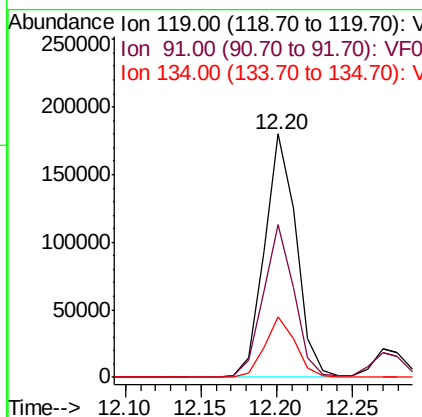
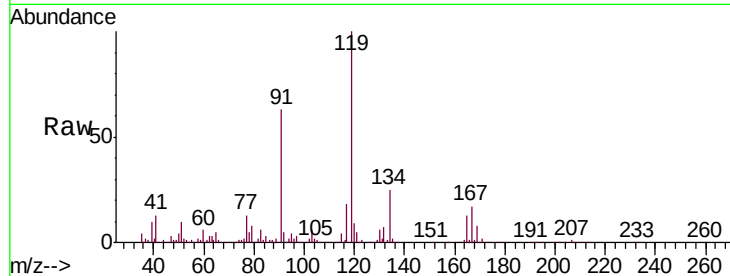
#83
 tert-Butylbenzene
 Concen: 21.291 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	265587		
91	61.3	30.4	91.3	
134	24.2	11.9	35.7	

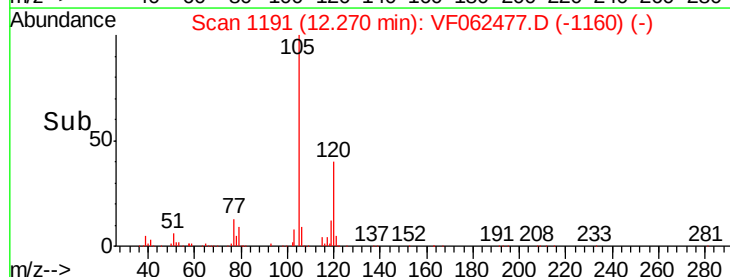
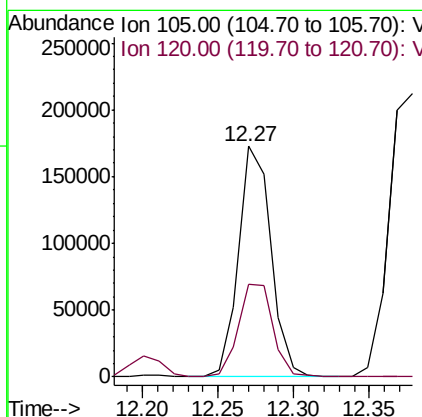
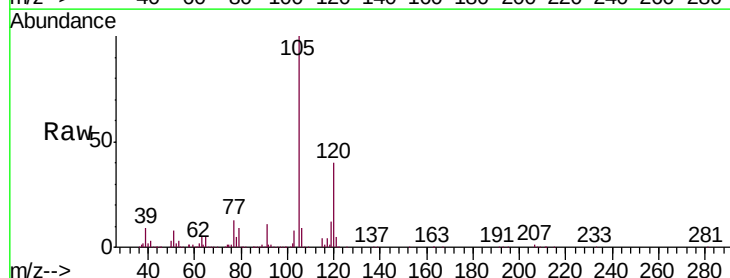
Manual Integrations
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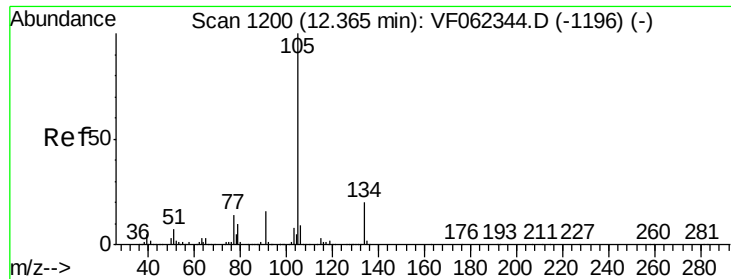
MMDadoda
 5/12/2019 12:05:19 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.148 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	257266		
120	43.3	22.6	67.7	





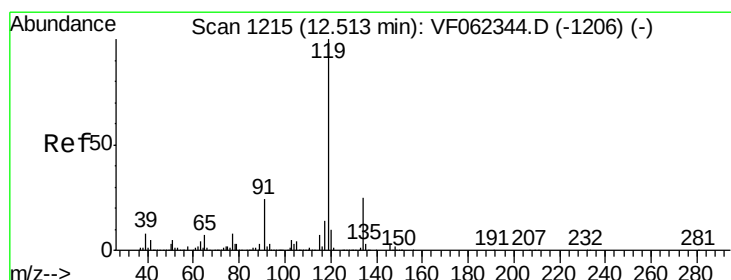
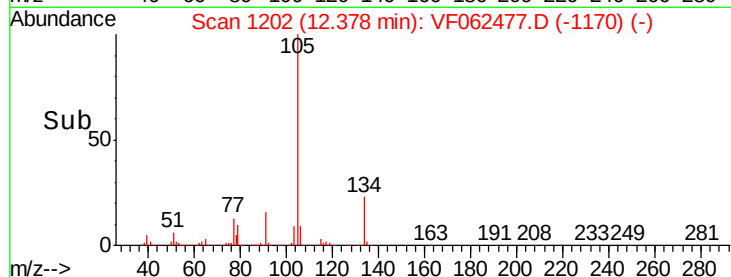
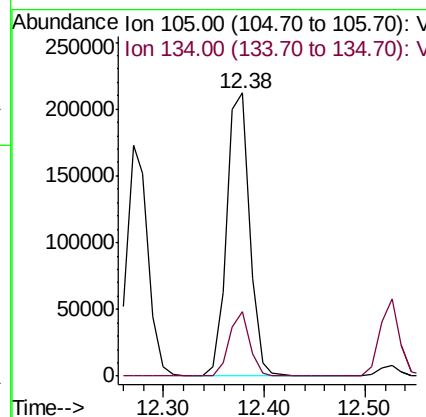
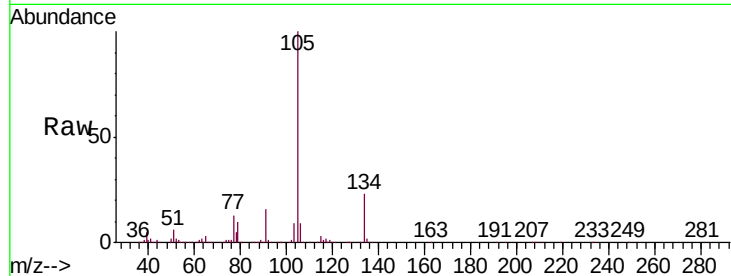
#85
 sec-Butylbenzene
 Concen: 22.184 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	336824		
134	20.3	9.8	29.5	

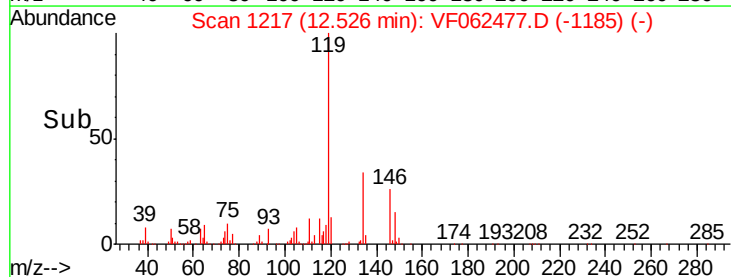
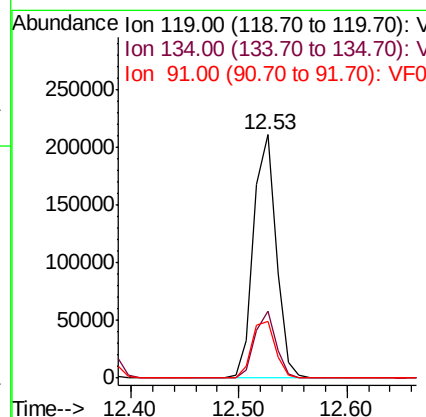
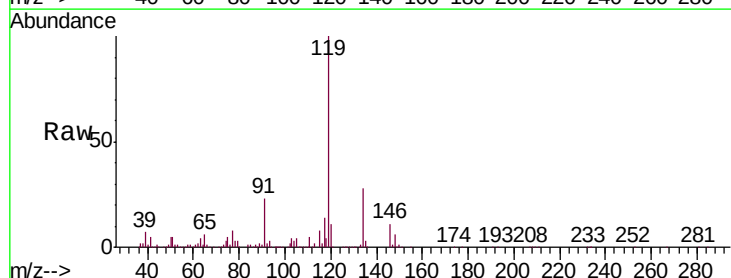
Manual Integrations
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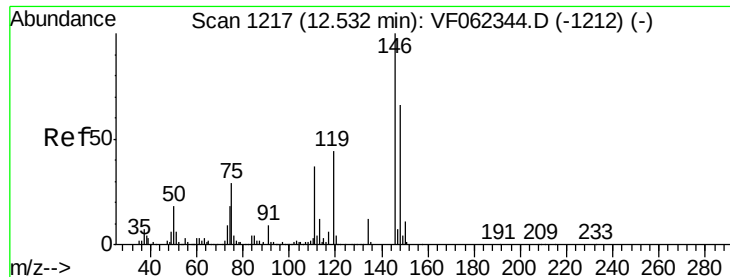
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 21.883 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	308695		
134	25.8	12.9	38.7	
91	24.2	12.3	36.8	





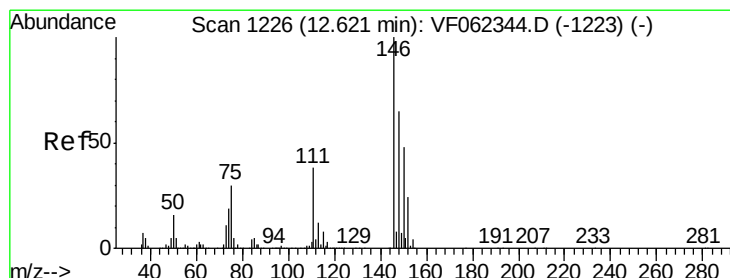
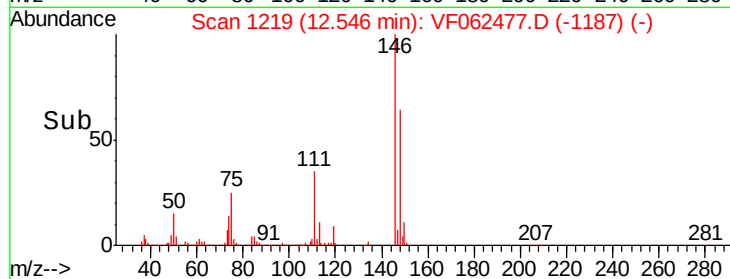
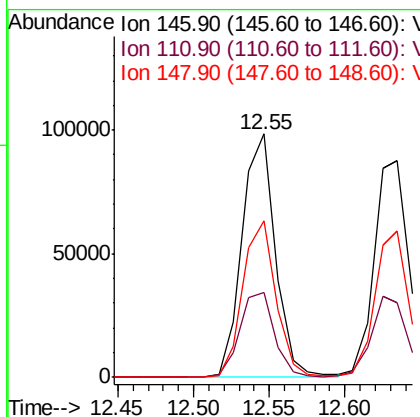
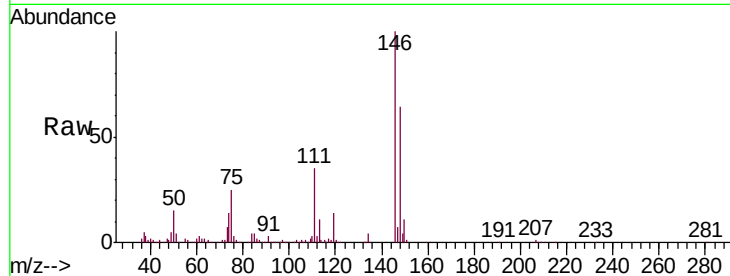
#87
 1,3-Dichlorobenzene
 Concen: 23.389 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	151818		
111	36.3	18.3	54.8	
148	63.8	32.3	96.9	

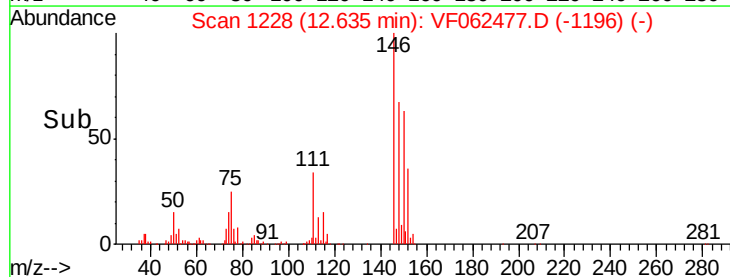
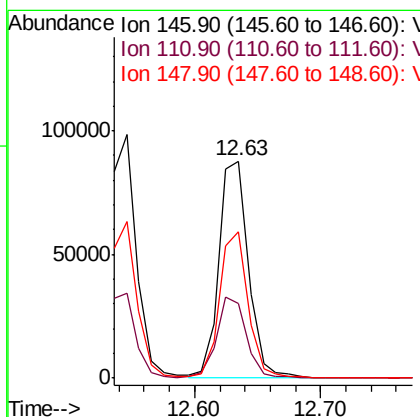
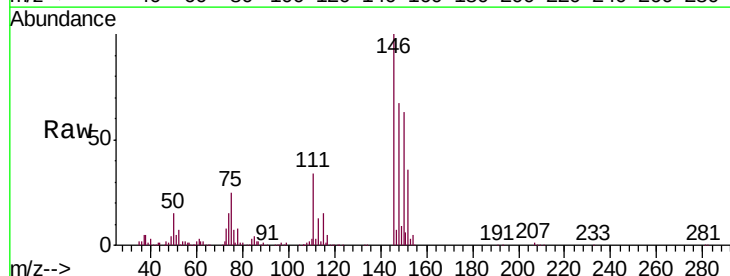
Manual Integrations
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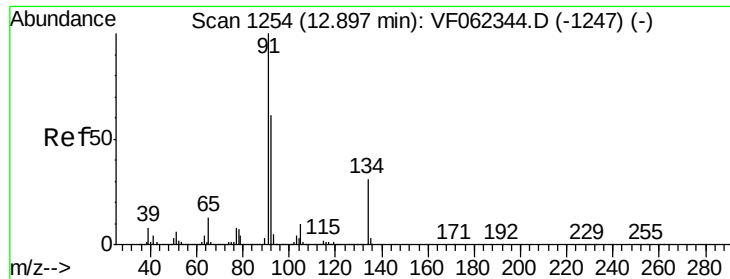
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#88
 1,4-Dichlorobenzene
 Concen: 22.730 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	142400		
111	37.8	18.8	56.3	
148	65.5	32.2	96.6	





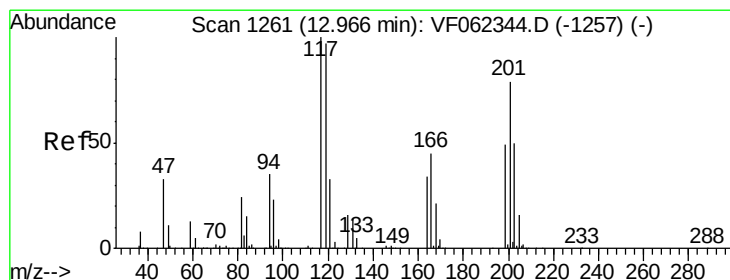
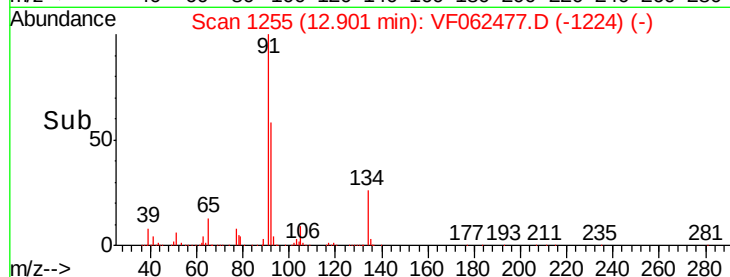
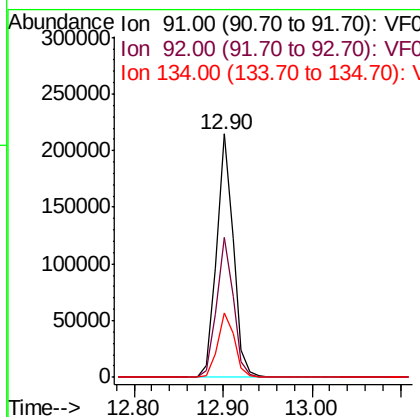
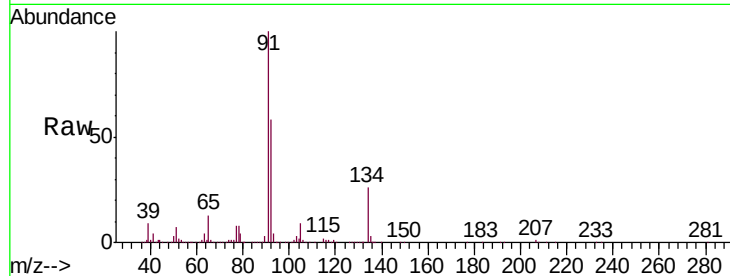
#89
n-Butylbenzene
Concen: 22.529 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	282750		
92	57.4	30.0	90.0	
134	27.0	14.1	42.4	

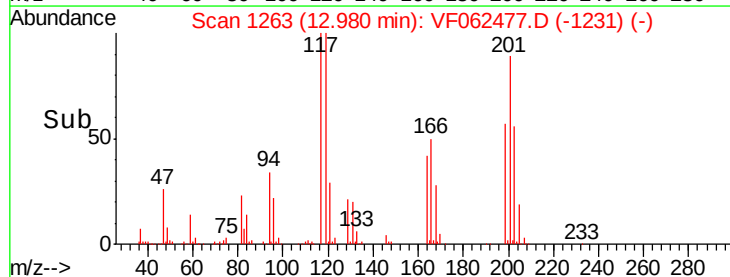
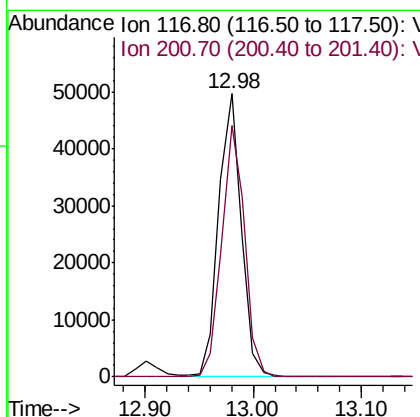
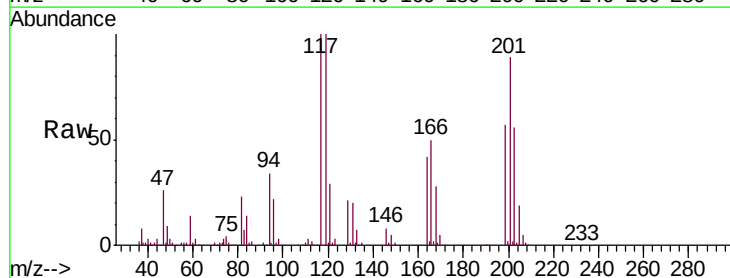
Manual Integrations
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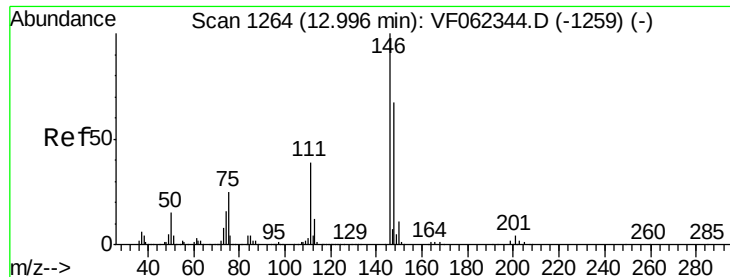
MMDadoda
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#90
Hexachloroethane
Concen: 20.538 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	72340		
201	89.3	46.2	138.5	





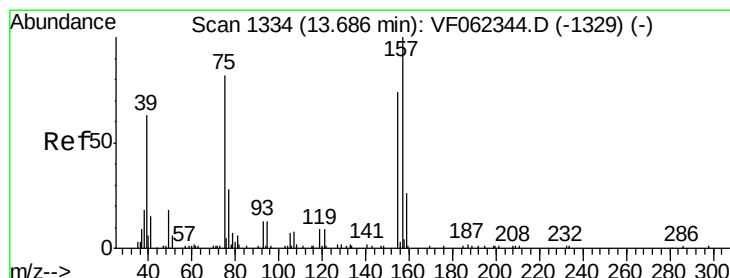
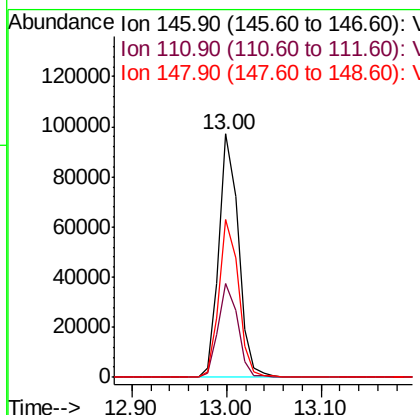
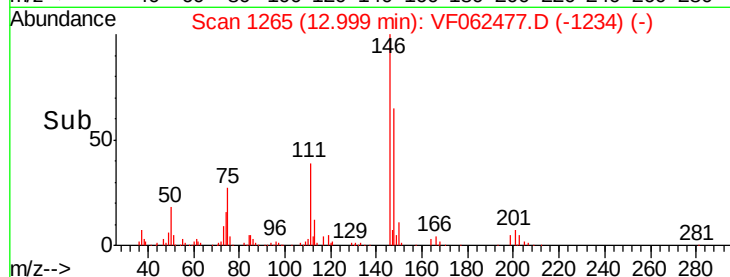
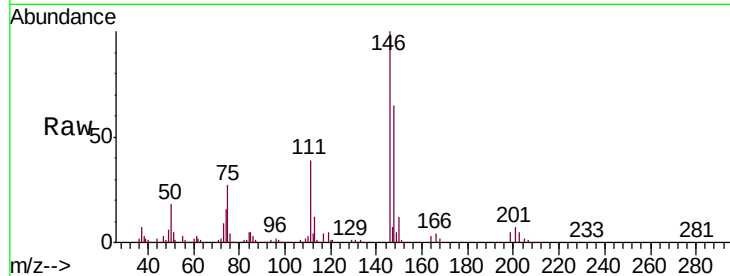
#91
 1,2-Dichlorobenzene
 Concen: 22.330 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	140290		
111	38.7	20.0	60.0	
148	64.9	33.1	99.5	

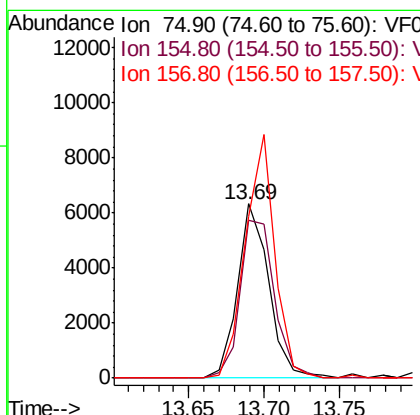
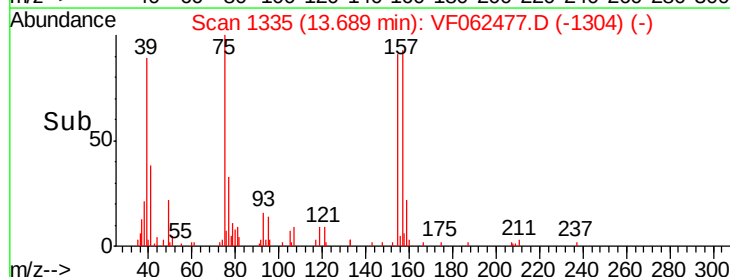
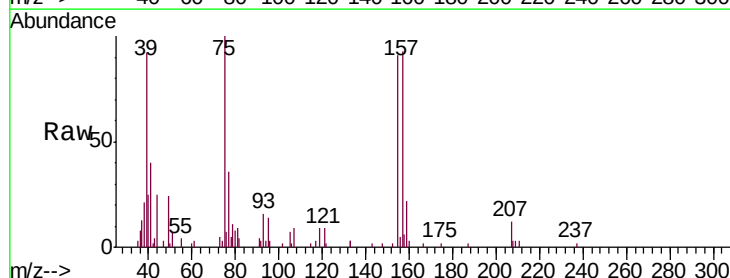
Manual Integrations
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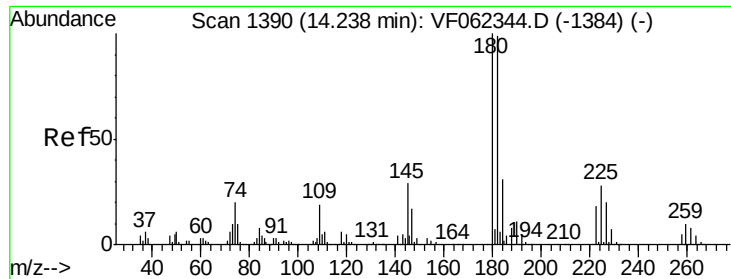
MMDadoda
 5/12/2019 12:05:19 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.119 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9082		
155	100.7	51.8	155.4	
157	132.2	67.3	201.8	





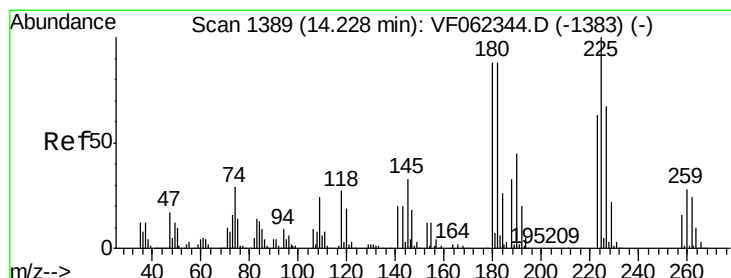
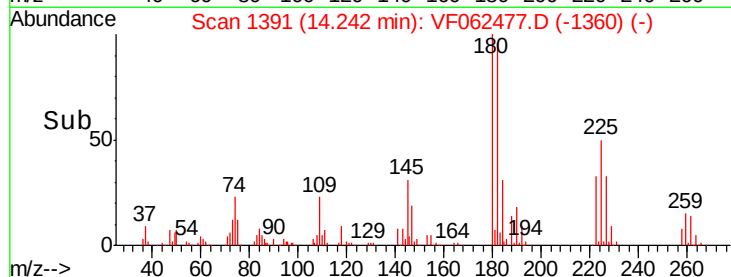
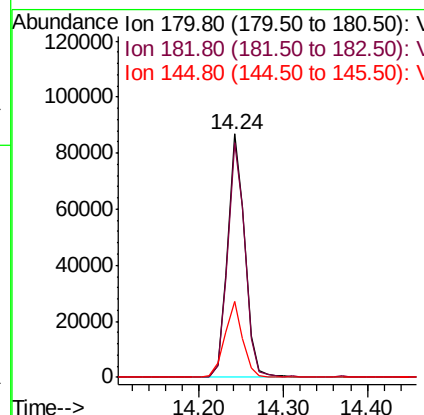
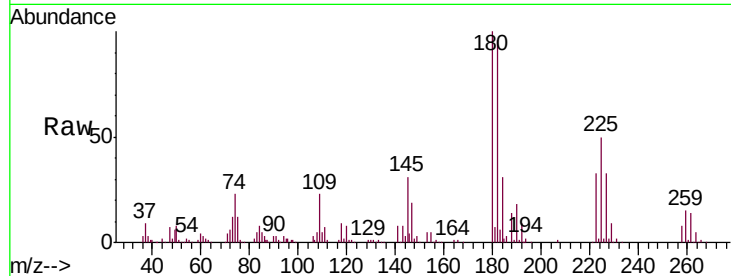
#93
 1,2,4-Trichlorobenzene
 Concen: 21.949 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	123685		
182	96.9	49.0	147.0	
145	32.4	16.7	50.1	

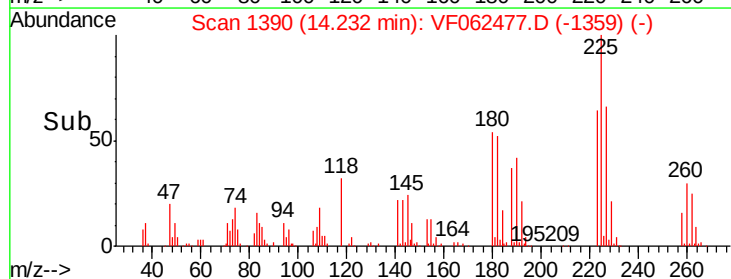
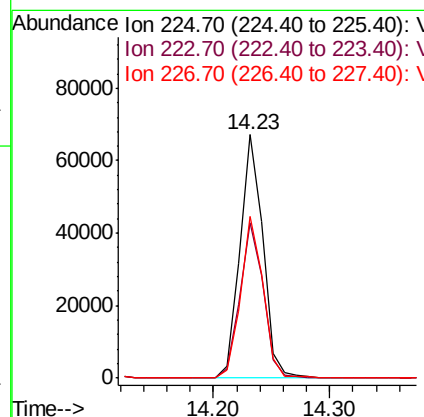
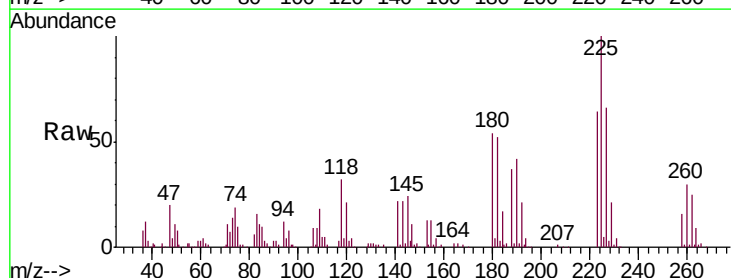
Manual Integrations
 APPROVED

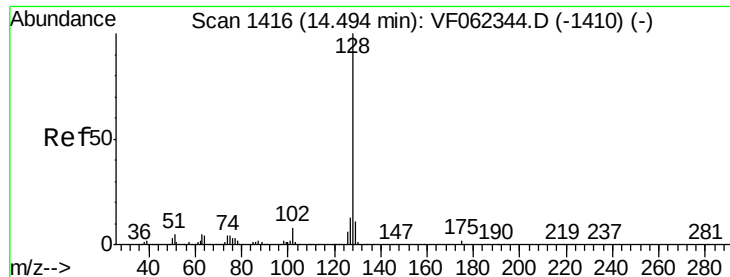
MMDadoda
 5/12/2019 12:05:19 PM



#94
 Hexachlorobutadiene
 Concen: 21.870 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062477.D
 Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91855		
223	64.8	31.9	95.5	
227	65.4	33.1	99.5	





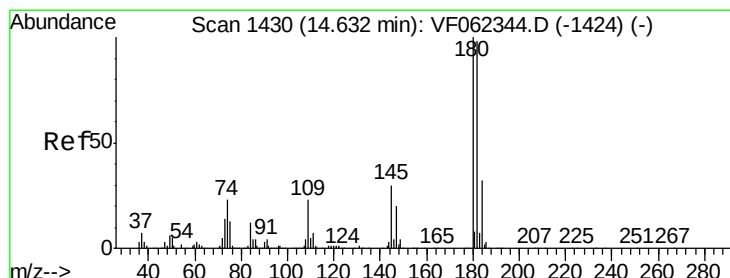
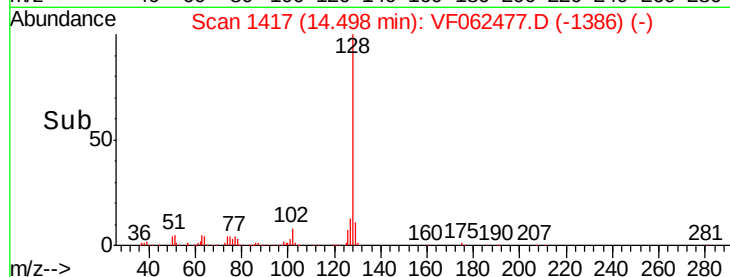
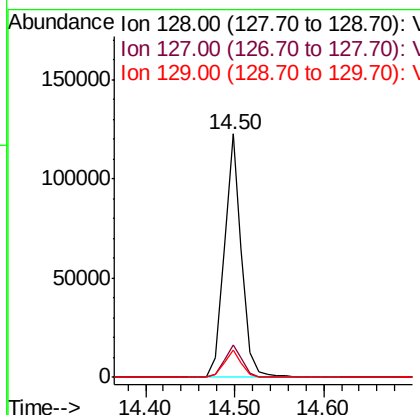
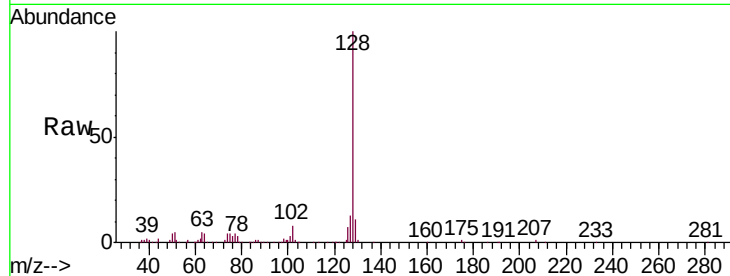
#95
Naphthalene
Concen: 19.740 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.5	15.7
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
5/12/2019 12:05:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.349 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VF062477.D
Acq: 12 May 2019 00:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	49.4	148.0
145	29.0	14.8	44.3

