

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062782.D
 Acq On : 29 May 2019 15:10
 Operator : FY/SY
 Sample : VF0529SBSD03
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBSD03

Manual Integrations
 APPROVED

mmdadoda
 5/30/2019 11:02:47 AM

Quant Time: May 30 09:04:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	665381	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.80	114	1129547	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.93	117	858402	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	410769	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.06	65	223443	47.52	ug/l	0.03
Spiked Amount	50.000		Recovery	=	95.04%	
35) Dibromofluoromethane	4.33	113	435971	50.44	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.88%	
50) Toluene-d8	7.73	98	984125	47.69	ug/l	0.02
Spiked Amount	50.000		Recovery	=	95.38%	
62) 4-Bromofluorobenzene	11.51	95	360990	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	176175	19.456	ug/l	97
3) Chloromethane	1.16	50	155233	18.619	ug/l	91
4) Vinyl Chloride	1.20	62	149045	19.420	ug/l	97
5) Bromomethane	1.41	94	81211	19.343	ug/l	99
6) Chloroethane	1.46	64	57696	20.470	ug/l #	79
7) Trichlorofluoromethane	1.56	101	222619	21.603	ug/l	99
8) Diethyl Ether	1.72	74	45899	22.483	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.94	101	144379	22.003	ug/l	89
10) Methyl Iodide	2.02	142	283198m	21.971	ug/l	
11) Tert butyl alcohol	2.72	59	32390	104.341	ug/l #	85
12) 1,1-Dichloroethene	1.90	96	136753	22.879	ug/l	98
13) Acrolein	2.12	56	25019	77.210	ug/l	97
14) Allyl chloride	2.21	41	99422m	18.378	ug/l	
15) Acrylonitrile	3.11	53	168645	192.594	ug/l	96
16) Acetone	2.36	43	113647	93.167	ug/l	99
17) Carbon Disulfide	1.94	76	354315	19.999	ug/l	94
18) Methyl Acetate	2.48	43	46098m	24.048	ug/l	
19) Methyl tert-butyl Ether	2.57	73	242519	22.696	ug/l	97
20) Methylene Chloride	2.37	84	137988m	22.568	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	135397m	23.175	ug/l	
22) Diisopropyl ether	2.95	45	276989	20.760	ug/l	93
23) Vinyl Acetate	3.37	43	1035728	115.074	ug/l	98
24) 1,1-Dichloroethane	3.03	63	219576	22.433	ug/l	98
25) 2-Butanone	4.55	43	290728	111.554	ug/l	99
26) 2,2-Dichloropropane	3.80	77	126106	22.517	ug/l	90
27) cis-1,2-Dichloroethene	3.67	96	232159	24.158	ug/l	96
28) Bromochloromethane	3.93	49	123550	22.506	ug/l	98
29) Tetrahydrofuran	4.30	42	117288	111.213	ug/l	98
30) Chloroform	4.08	83	312176	22.971	ug/l	99
31) Cyclohexane	3.90	56	280809m	21.366	ug/l	
32) 1,1,1-Trichloroethane	4.31	97	198029	21.941	ug/l	98
36) 1,1-Dichloropropene	4.50	75	239602	20.701	ug/l	97
37) Ethyl Acetate	4.34	43	110419	23.365	ug/l #	61
38) Carbon Tetrachloride	4.21	117	165858	19.054	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	312399	22.431	ug/l	94
40) Benzene	4.85	78	742590	23.551	ug/l	99
41) Methacrylonitrile	4.96	41	53426	21.563	ug/l	92
42) 1,2-Dichloroethane	5.15	62	137163	21.814	ug/l	95
43) Isopropyl Acetate	7.14	43	119983	19.597	ug/l #	90
44) Trichloroethene	5.71	130	206933	23.350	ug/l	86
45) 1,2-Dichloropropane	6.43	63	191269	24.030	ug/l	92
46) Dibromomethane	6.29	93	109835	23.876	ug/l	96
47) Bromodichloromethane	6.58	83	221603	23.205	ug/l	93
48) Methyl methacrylate	6.91	41	59991	18.746	ug/l	94
49) 1,4-Dioxane	6.91	88	16406	400.274	ug/l	92
51) 4-Methyl-2-Pentanone	8.42	43	453459	108.354	ug/l	96
52) Toluene	7.80	92	389002	23.524	ug/l	96
53) t-1,3-Dichloropropene	8.45	75	179047	22.917	ug/l	99
54) cis-1,3-Dichloropropene	7.49	75	259769	23.752	ug/l	96
55) 1,1,2-Trichloroethane	8.66	97	116009	23.693	ug/l	97
56) Ethyl methacrylate	8.78	69	119579	20.499	ug/l	99
57) 1,3-Dichloropropane	9.02	76	196006	23.502	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.48	63	209712	110.448	ug/l	99
59) 2-Hexanone	9.65	43	317570	106.395	ug/l	95
60) Dibromochloromethane	8.89	129	146781	23.001	ug/l	97
61) 1,2-Dibromoethane	9.15	107	122525	23.560	ug/l	97
64) Tetrachloroethene	8.33	164	145143	21.343	ug/l	96
65) Chlorobenzene	9.96	112	398686	23.647	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	162697	24.038	ug/l	95
67) Ethyl Benzene	10.05	91	708211	24.180	ug/l	97
68) m/p-Xylenes	10.28	106	535289	48.626	ug/l	84
69) o-Xylene	10.84	106	262156	23.121	ug/l	91
70) Styrene	10.91	104	400167	23.220	ug/l	99
71) Bromoform	10.90	173	78911	23.279	ug/l #	97
73) Isopropylbenzene	11.23	105	713400	24.232	ug/l	95
74) N-amyl acetate	11.46	43	199716	23.838	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	151150	25.122	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	100823	25.504	ug/l	94
77) Bromobenzene	11.60	156	169299	23.135	ug/l	97
78) n-propylbenzene	11.69	91	844802	24.247	ug/l	95
79) 2-Chlorotoluene	11.82	91	494306	25.174	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	592577	25.102	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	40006m	22.766	ug/l	
82) 4-Chlorotoluene	11.99	91	505123	26.087	ug/l	99
83) tert-Butylbenzene	12.21	119	568485	23.736	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	532042	23.286	ug/l	99
85) sec-Butylbenzene	12.39	105	778008	24.206	ug/l	96
86) p-Isopropyltoluene	12.53	119	639582	23.612	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	299056	22.588	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	296831	23.891	ug/l	99
89) n-Butylbenzene	12.91	91	658019	24.638	ug/l	92
90) Hexachloroethane	12.99	117	155356	23.908	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	275845	23.373	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.71	75	17163	23.912	ug/l	82

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ClientSampleId :
VF0529SBSD03

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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	187504	22.196	ug/l	96
94) Hexachlorobutadiene	14.24	225	132431	22.463	ug/l	98
95) Naphthalene	14.51	128	304356	19.832	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	165438	20.675	ug/l	96

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

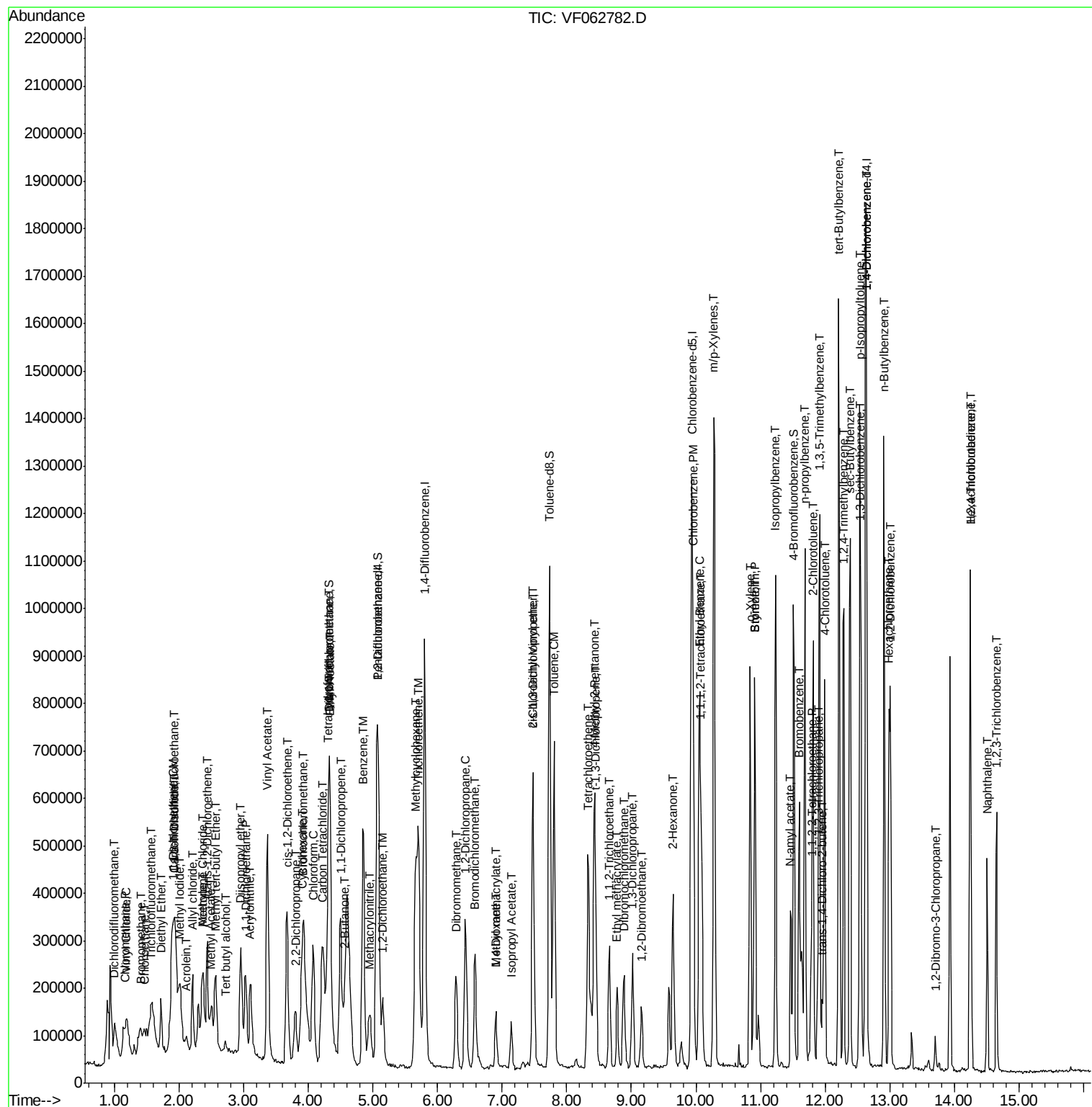
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062782.D
 Acq On : 29 May 2019 15:10
 Operator : FY/SY
 Sample : VF0529SBSD03
 Misc : 5.00µL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

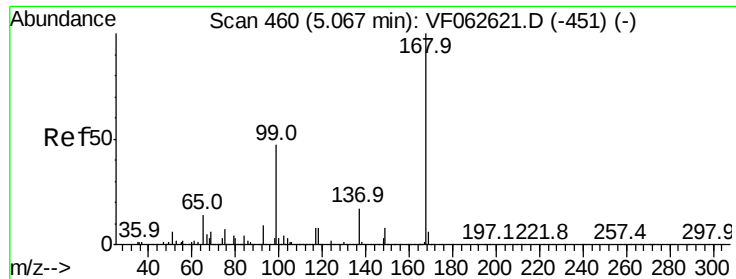
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBSD03

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion:168 Resp: 665381

Ion Ratio Lower Upper

168 100

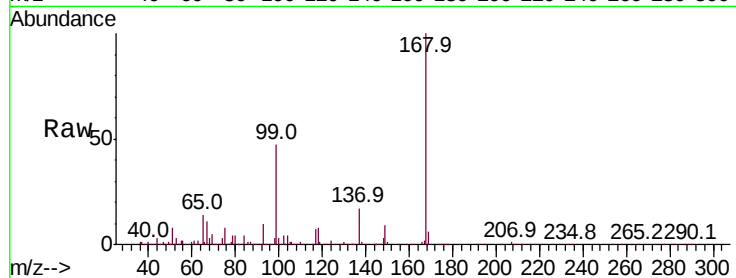
99 46.9 37.8 56.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

250000

200000

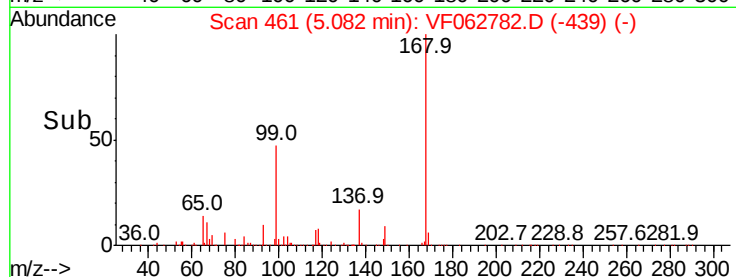
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.456 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062782.D

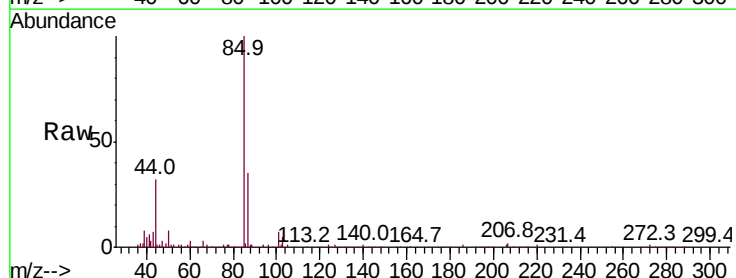
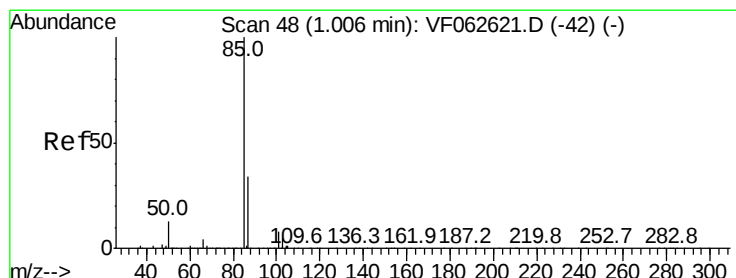
Acq: 29 May 2019 15:10

Tgt Ion: 85 Resp: 176175

Ion Ratio Lower Upper

85 100

87 35.2 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

50000

40000

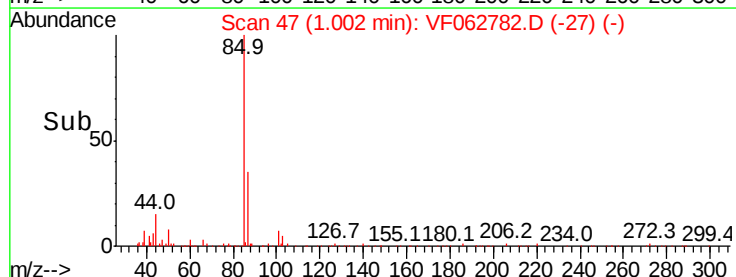
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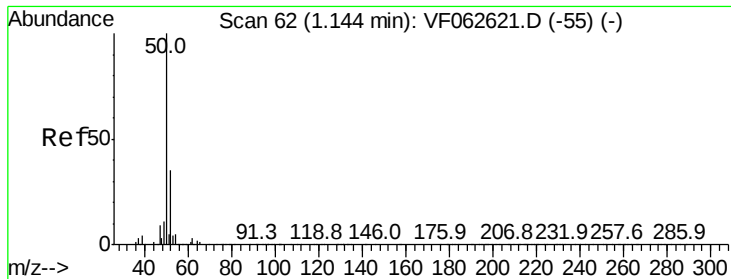
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10000

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Time-->





#3

Chloromethane

Concen: 18.619 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 50 Resp: 155233

Ion Ratio Lower Upper

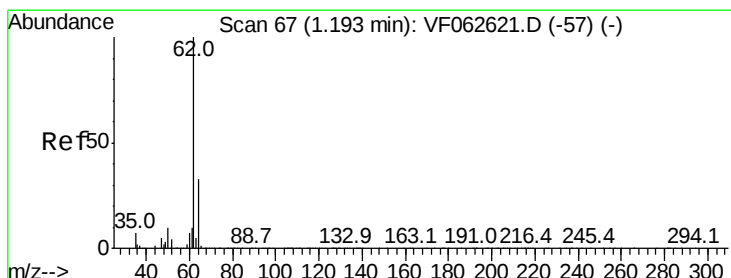
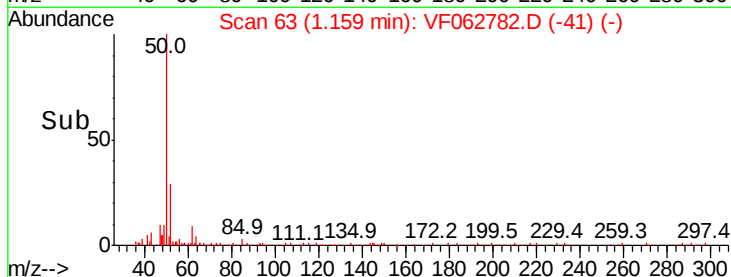
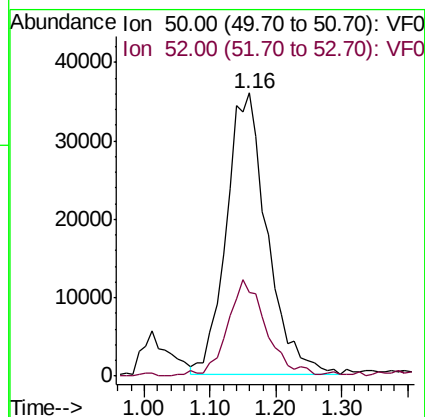
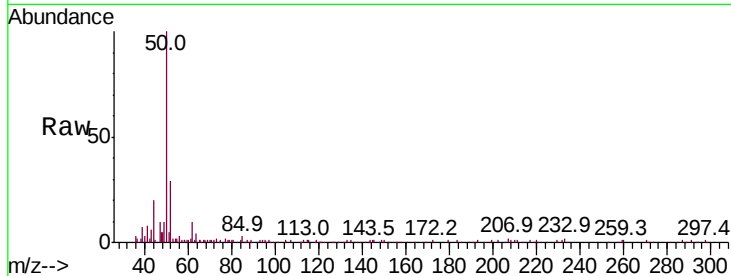
50 100

52 29.4 27.5 41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.420 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062782.D

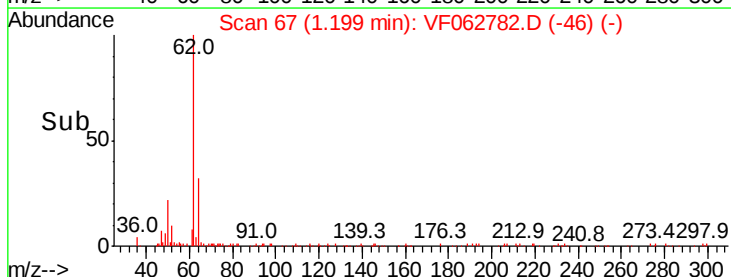
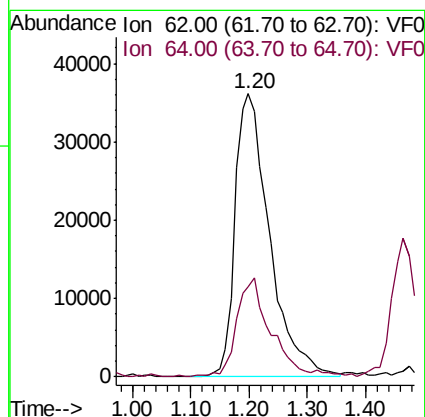
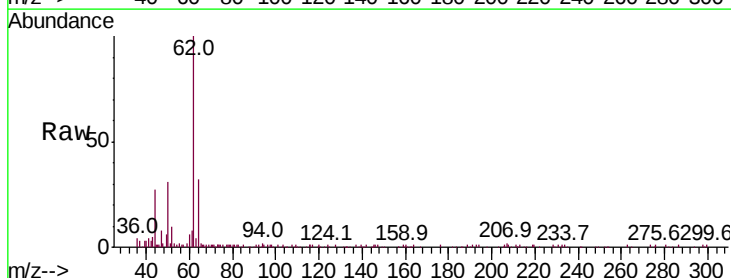
Acq: 29 May 2019 15:10

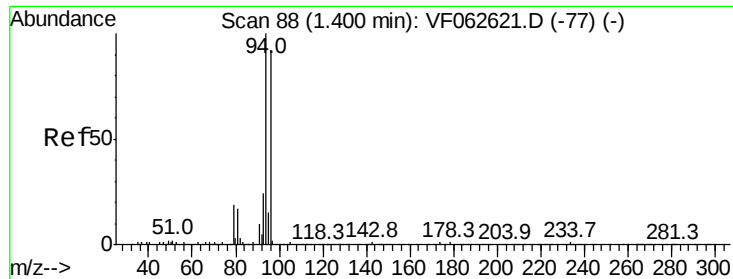
Tgt Ion: 62 Resp: 149045

Ion Ratio Lower Upper

62 100

64 31.6 26.7 40.1





#5

Bromomethane

Concen: 19.343 ug/l

RT: 1.41 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

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ClientSampleId :

VF0529SBS03

Tot Ion: 94 Resp: 81211

Ion Ratio Lower Upper

94 100

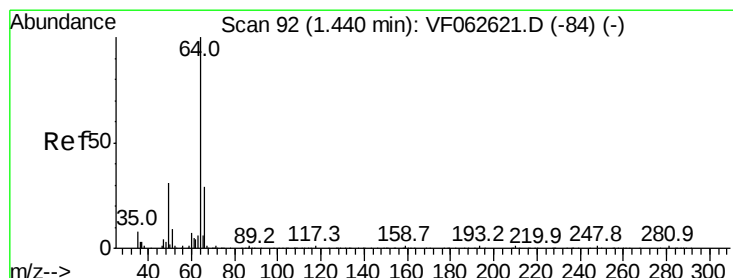
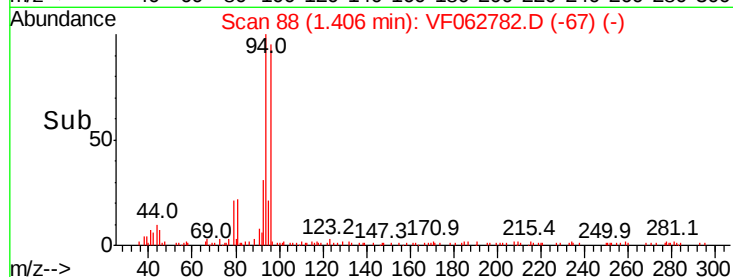
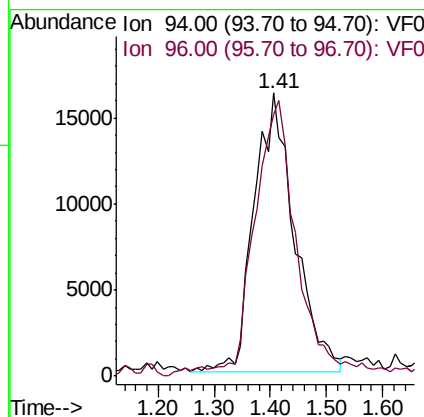
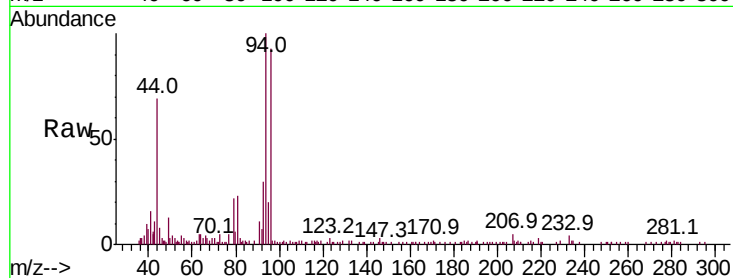
96 92.5 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 20.470 ug/l

RT: 1.46 min Scan# 94

Delta R.T. 0.03 min

Lab File: VF062782.D

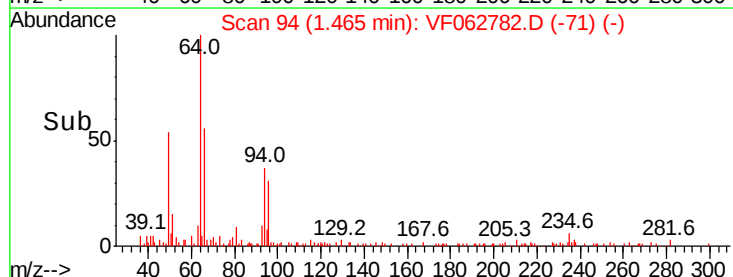
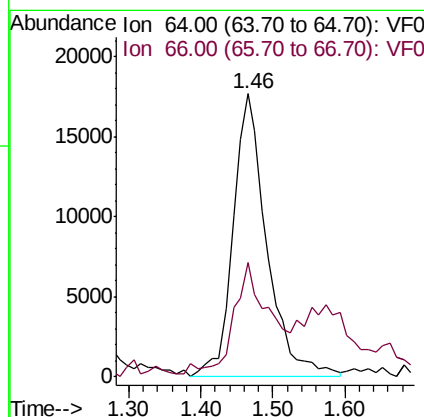
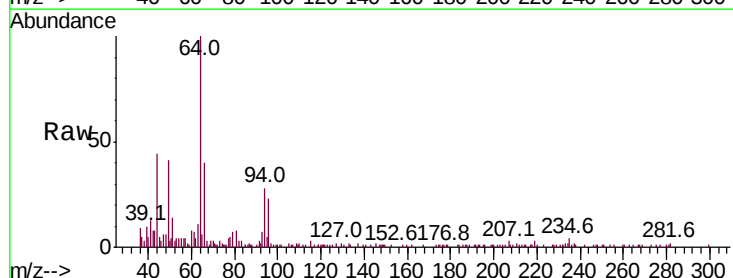
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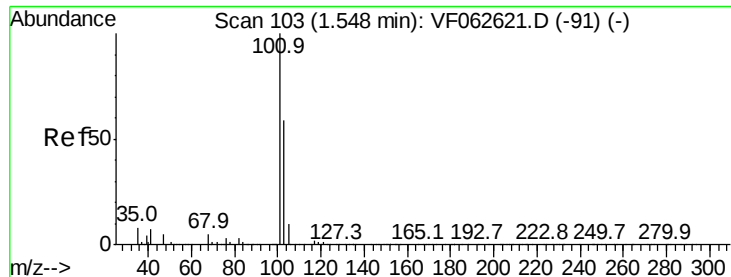
Tgt Ion: 64 Resp: 57696

Ion Ratio Lower Upper

64 100

66 40.3 23.4 35.2#





#7

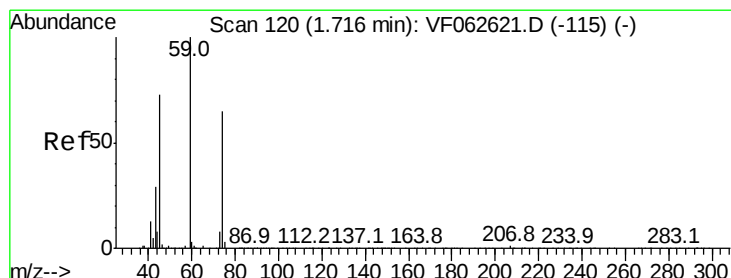
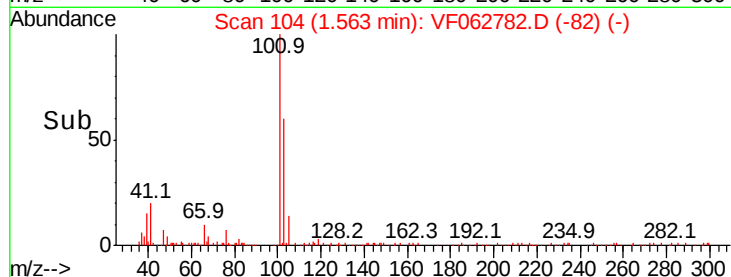
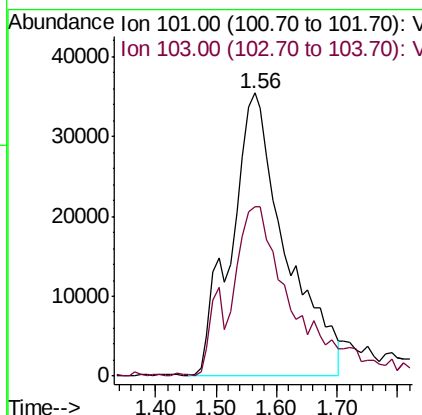
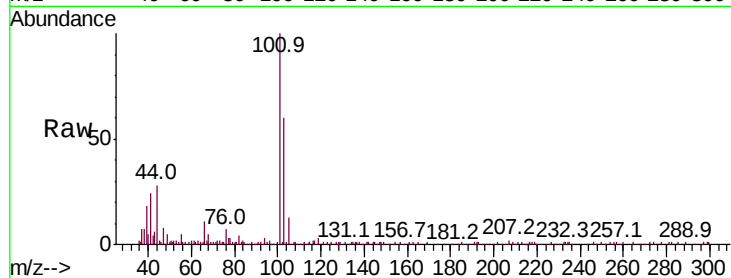
Trichlorofluoromethane
Concen: 21.603 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.7	47.3	70.9

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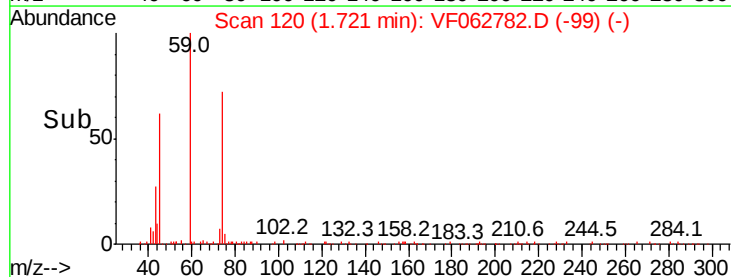
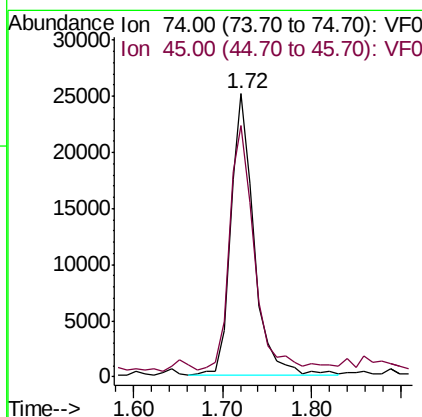
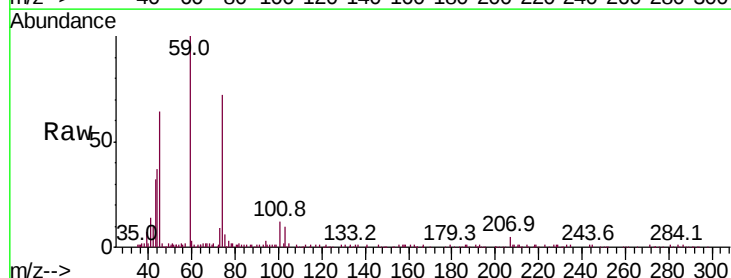
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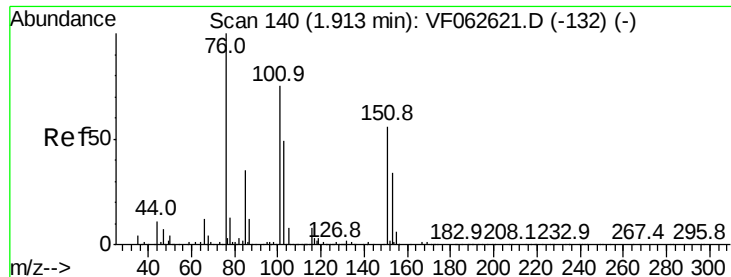


#8

Diethyl Ether
Concen: 22.483 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.0	57.0	170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.003 ug/l

RT: 1.94 min Scan# 142

Delta R.T. 0.03 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

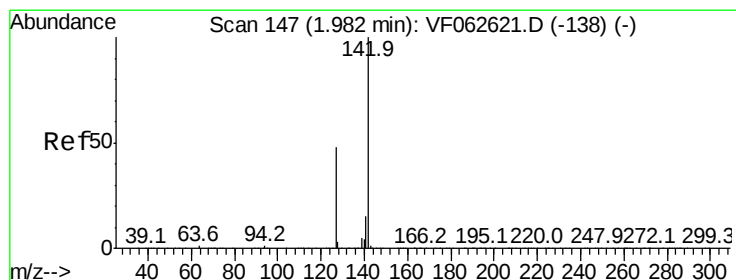
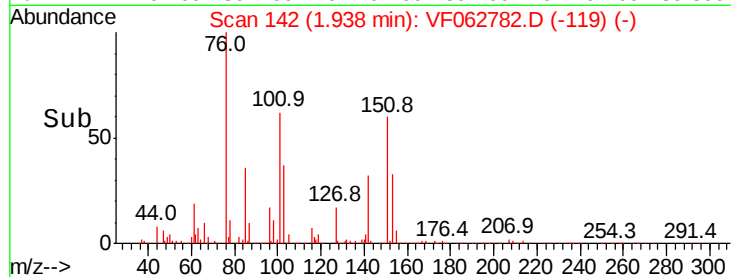
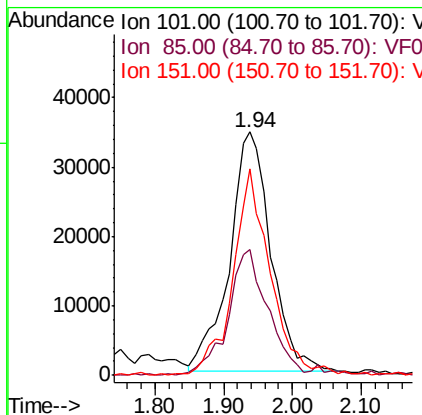
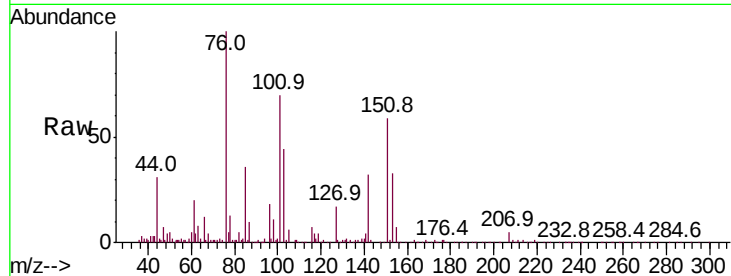
ClientSampleId :

VF0529SBS03

Tot Ion:	101	Resp:	144379
Ion Ratio	Lower	Upper	
101	100		
85	51.6	37.1	55.7
151	84.8	58.8	88.2

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#10

Methyl Iodide

Concen: 21.971 ug/l m

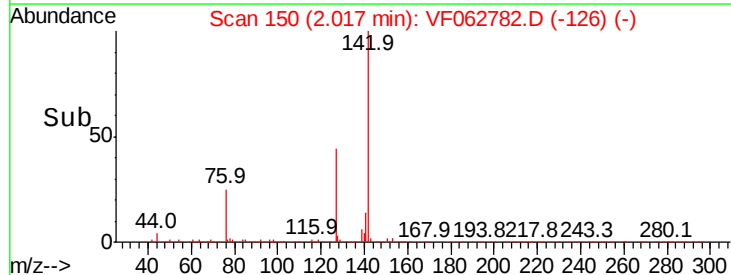
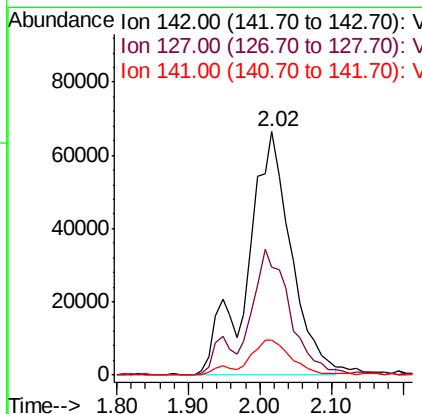
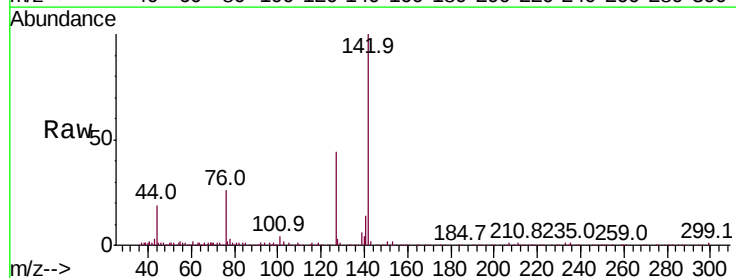
RT: 2.02 min Scan# 150

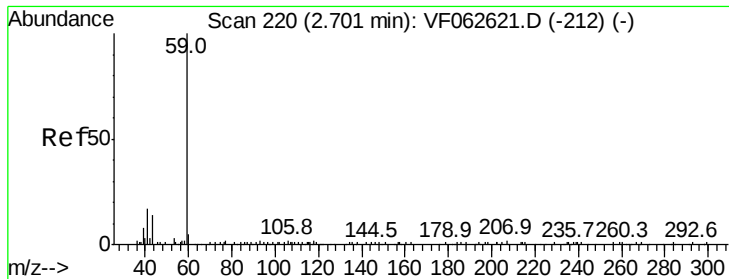
Delta R.T. 0.03 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Tgt Ion:	142	Resp:	283198
Ion Ratio	Lower	Upper	
142	100		
127	44.3	38.1	57.1
141	14.2	11.7	17.5





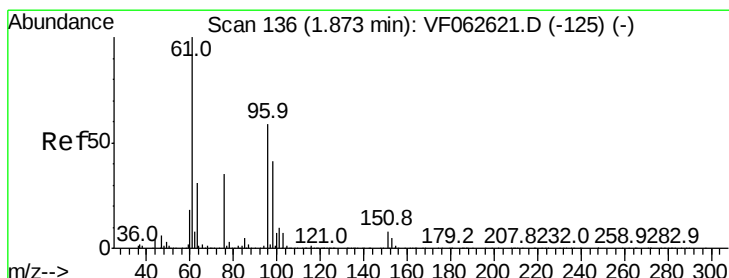
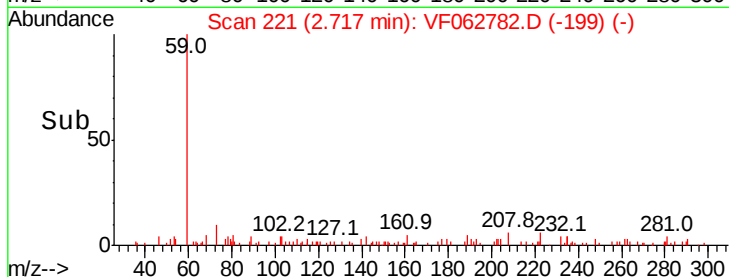
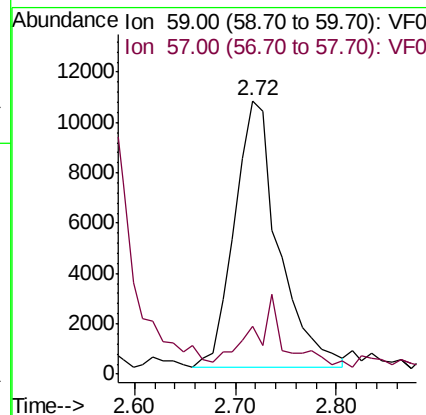
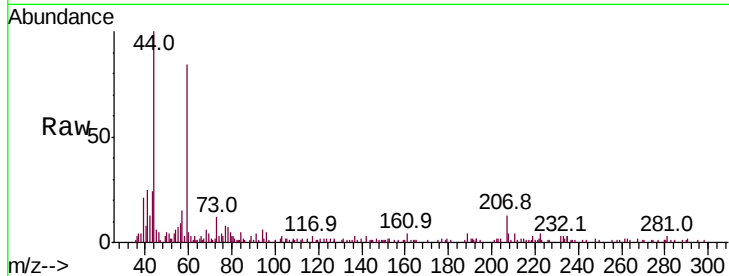
#11
Tert butyl alcohol
Concen: 104.341 ug/l
RT: 2.72 min Scan# 221
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion: 59 Resp: 32390
Ion Ratio Lower Upper
59 100
57 17.4 9.3 13.9#

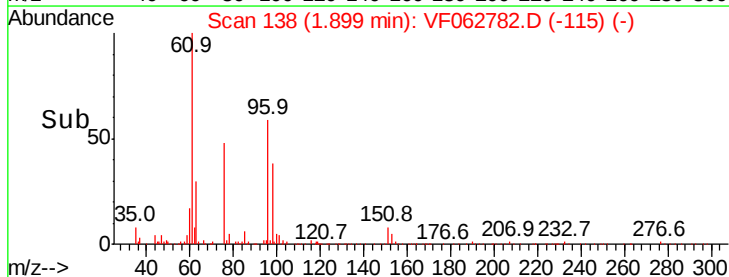
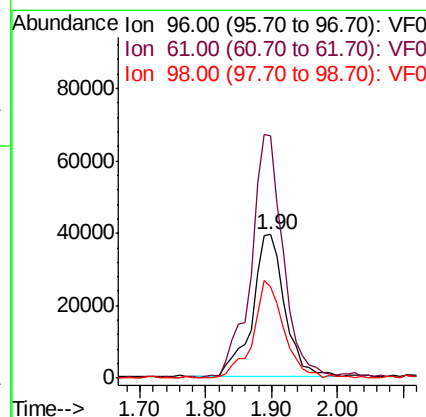
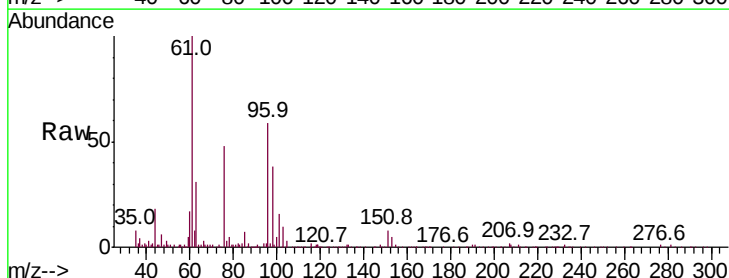
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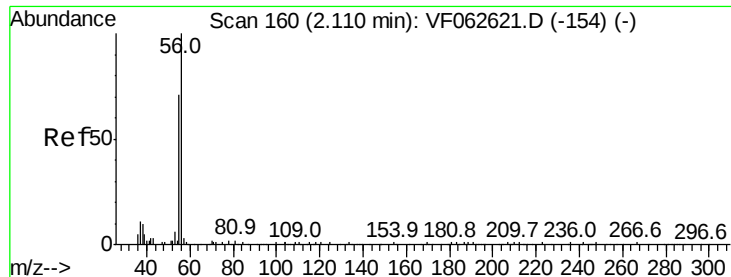
mmdadoda
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#12
1,1-Dichloroethene
Concen: 22.879 ug/l
RT: 1.90 min Scan# 138
Delta R.T. 0.03 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion: 96 Resp: 136753
Ion Ratio Lower Upper
96 100
61 168.7 134.3 201.5
98 63.4 55.0 82.6





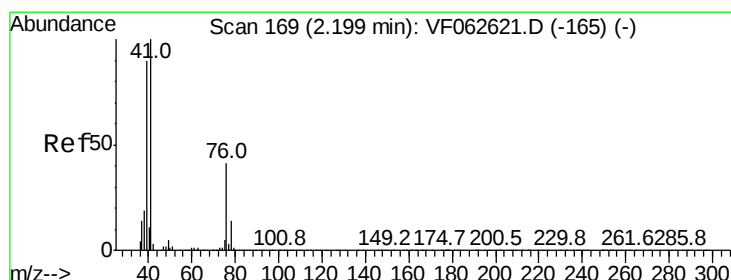
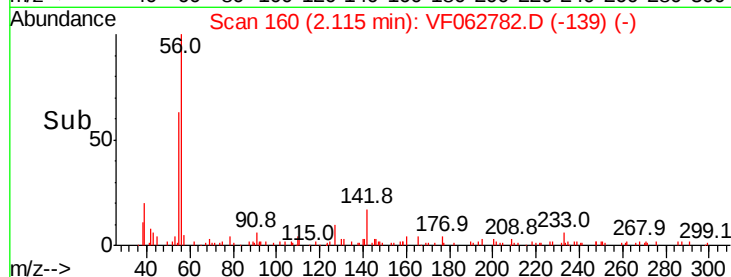
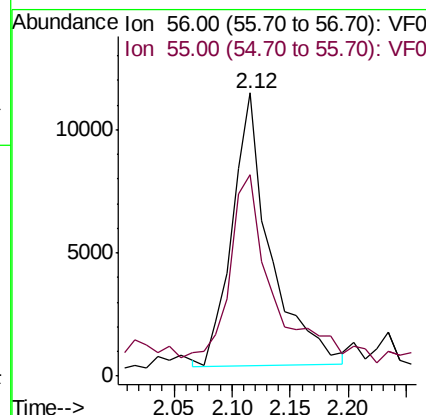
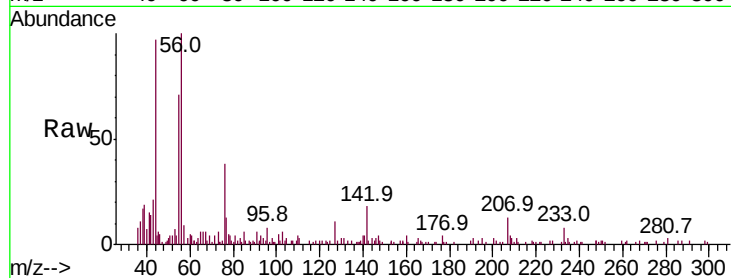
#13
Acrolein
Concen: 77.210 ug/l
RT: 2.12 min Scan# 160
Delta R.T. 0.01 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.4	59.4	89.0

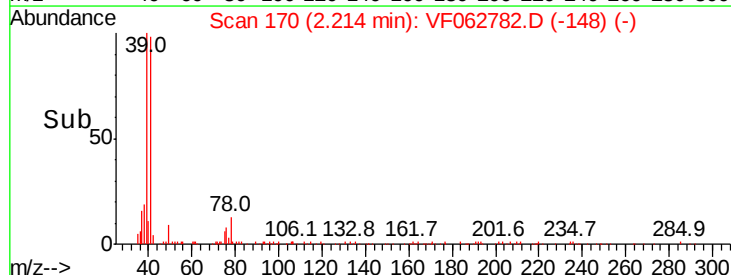
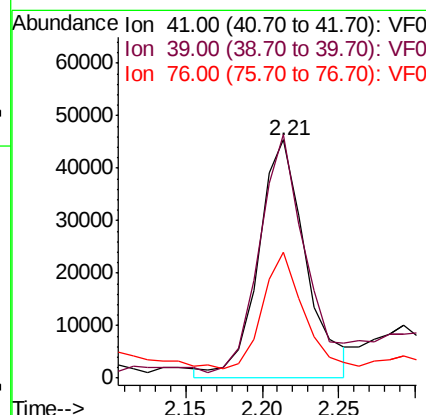
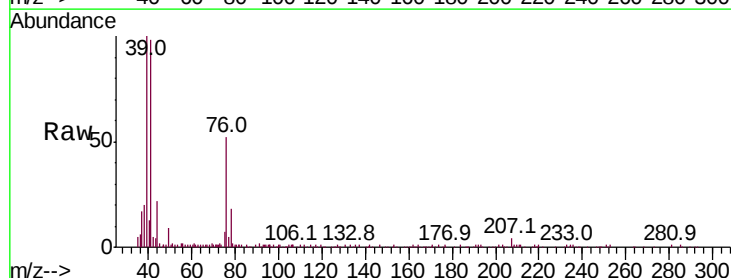
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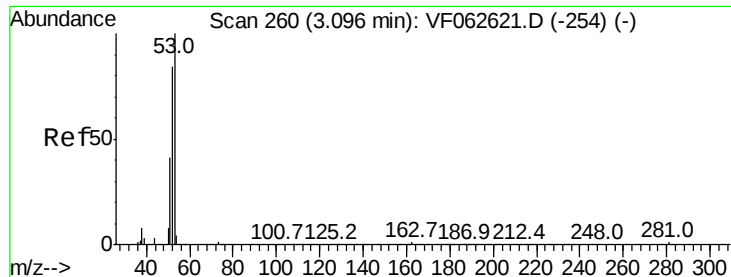
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#14
Allyl chloride
Concen: 18.378 ug/l m
RT: 2.21 min Scan# 170
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Lower	Upper
41	100		
39	102.3	72.0	108.0
76	52.7	34.8	52.2#





#15

Acrylonitrile

Concen: 192.594 ug/l

RT: 3.11 min Scan# 261

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

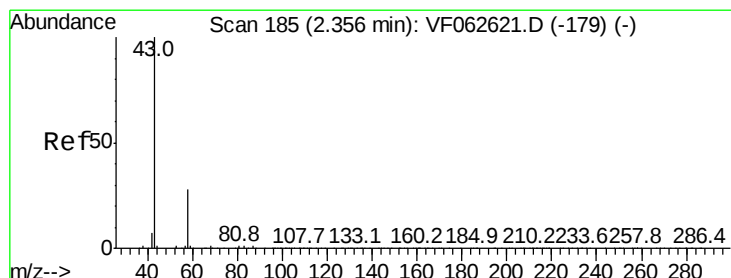
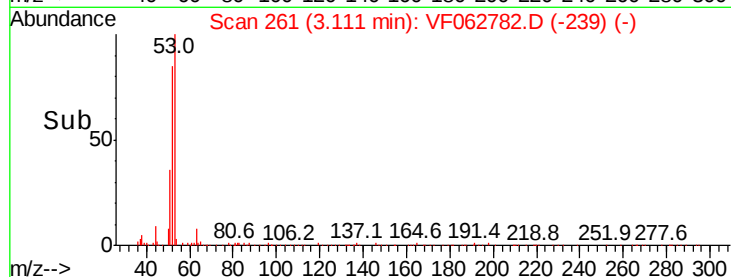
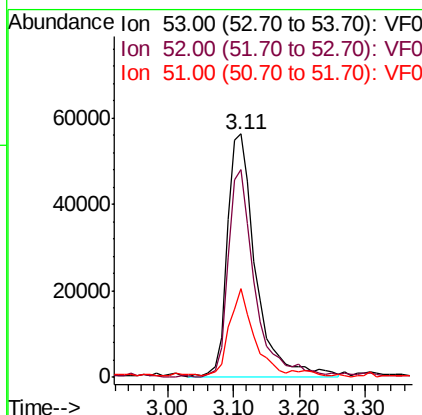
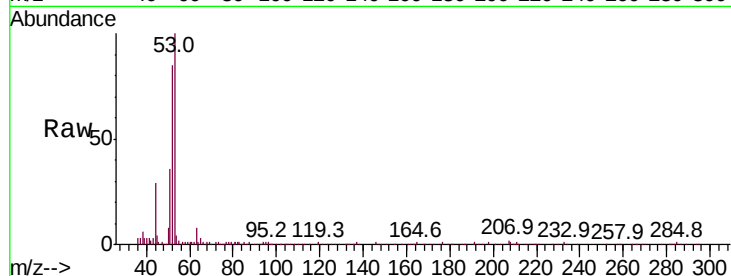
ClientSampleId :

VF0529SBS03

Tot Ion:	53	Resp:	168645
Ion Ratio	Lower	Upper	
53	100		
52	85.4	67.3	100.9
51	36.2	33.0	49.6

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#16

Acetone

Concen: 93.167 ug/l

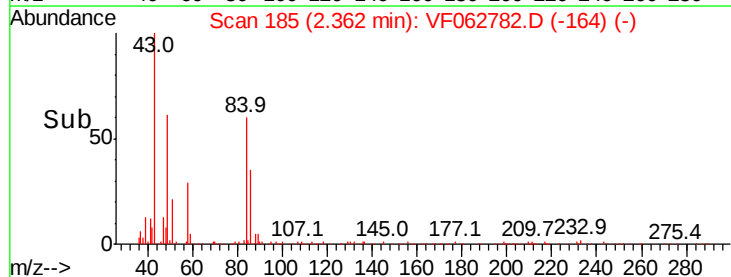
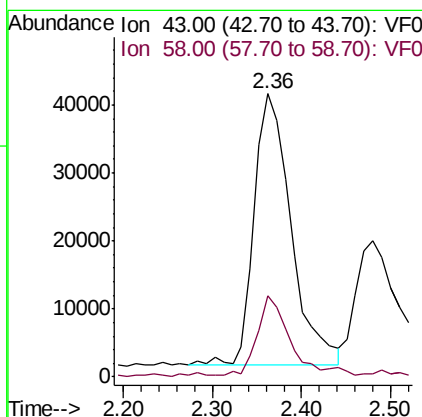
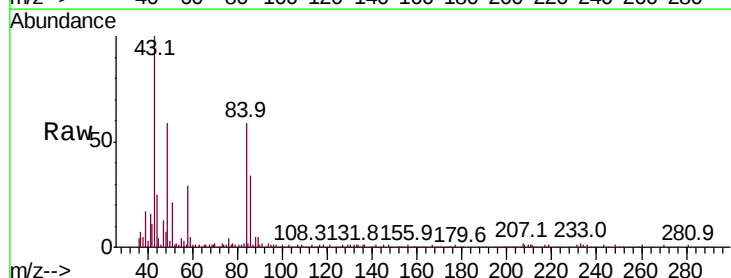
RT: 2.36 min Scan# 185

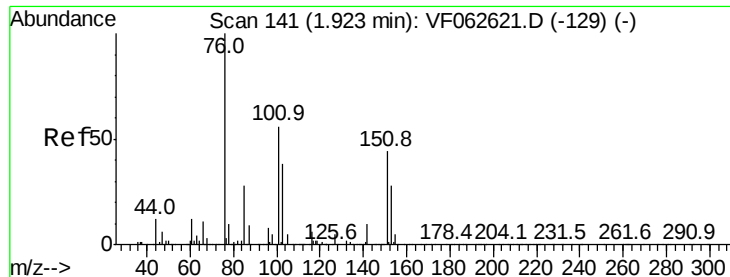
Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Tgt Ion:	43	Resp:	113647
Ion Ratio	Lower	Upper	
43	100		
58	28.6	22.6	33.8





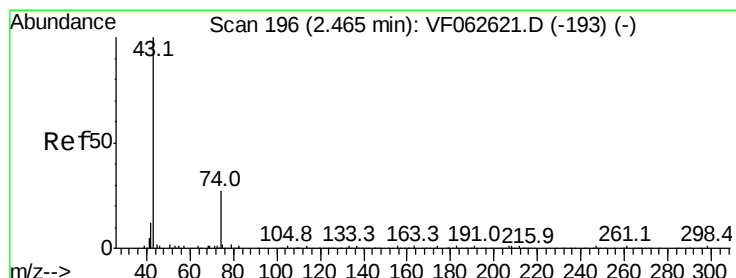
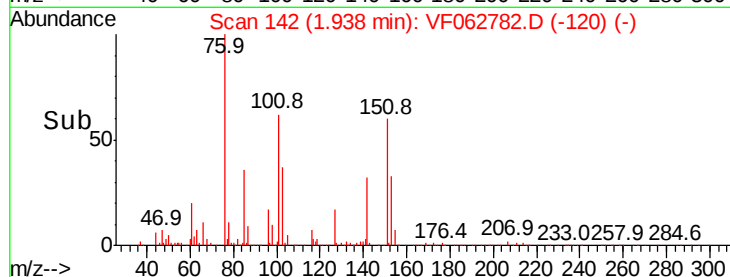
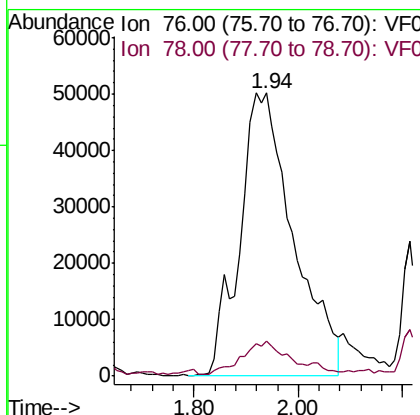
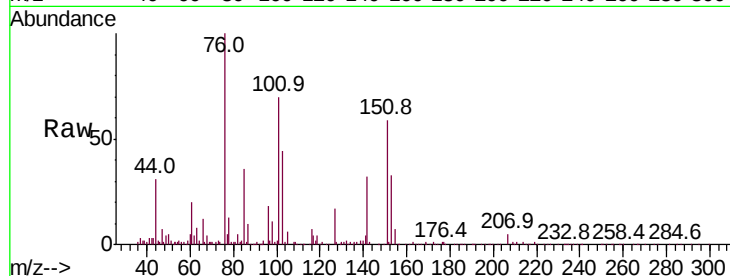
#17
Carbon Disulfide
Concen: 19.999 ug/l
RT: 1.94 min Scan# 142
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.6	8.4	12.6

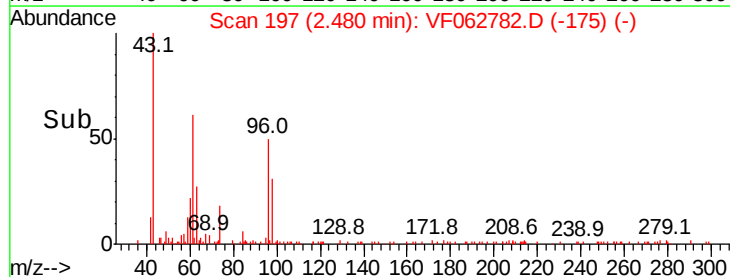
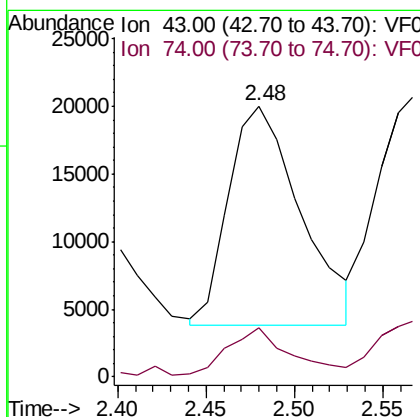
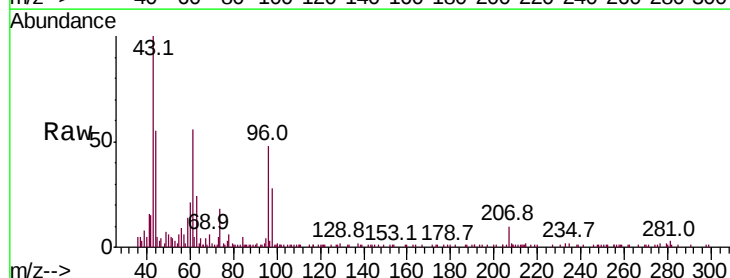
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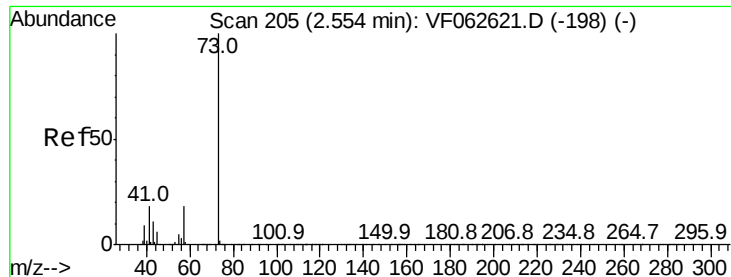
mmdadoda
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#18
Methyl Acetate
Concen: 24.048 ug/l m
RT: 2.48 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.2	18.9	28.3#





#19

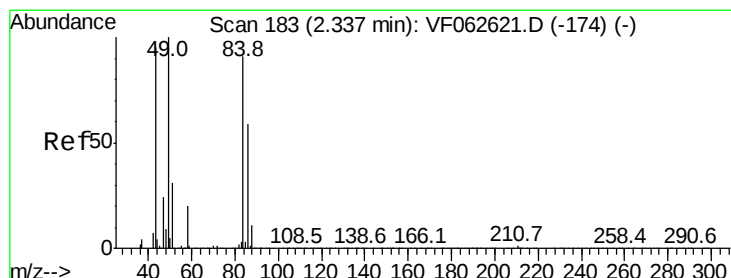
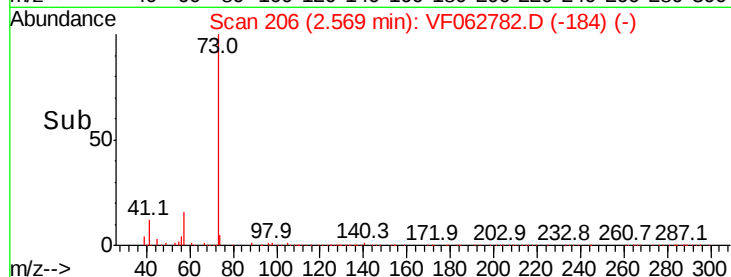
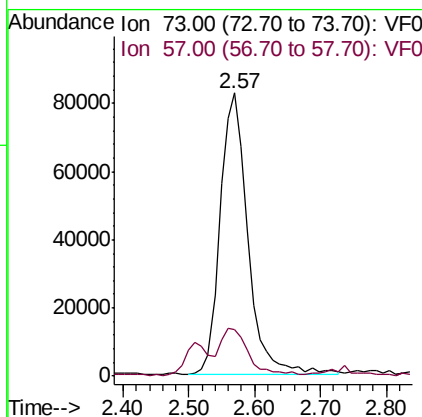
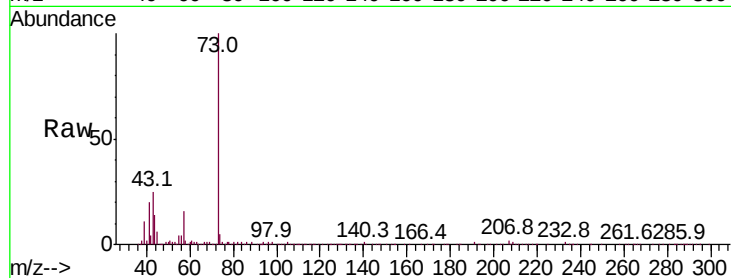
Methyl tert-butyl Ether
 Concen: 22.696 ug/l
 RT: 2.57 min Scan# 206
 Delta R.T. 0.02 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS03

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.3	14.2	21.4

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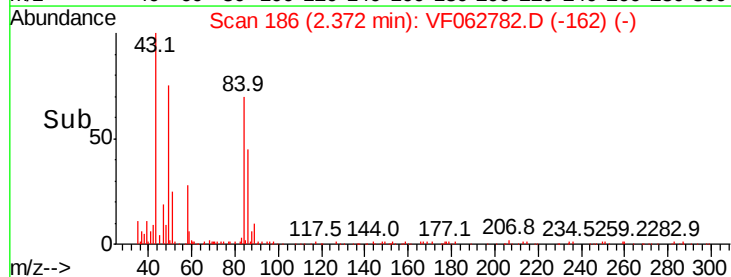
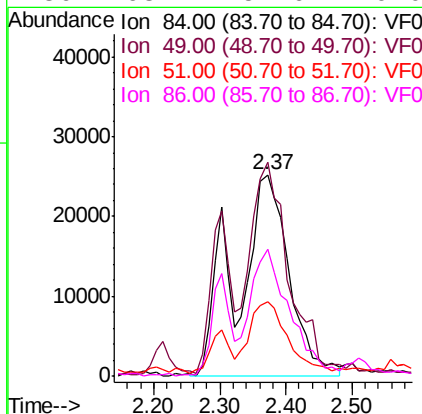
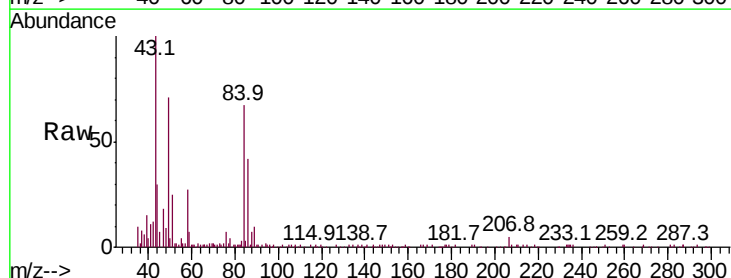
mmdadoda
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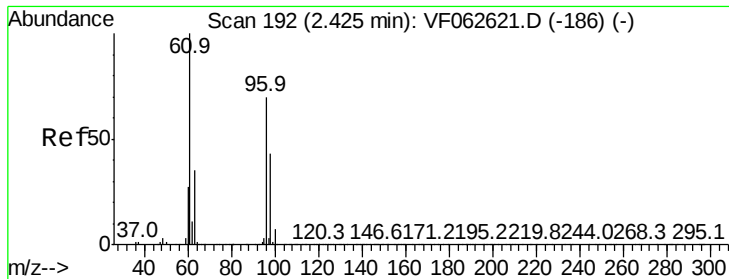


#20

Methylene Chloride
 Concen: 22.568 ug/l m
 RT: 2.37 min Scan# 186
 Delta R.T. 0.04 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.2	89.8	134.8
51	37.0	28.4	42.6
86	63.1	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 23.175 ug/l m

RT: 2.44 min Scan# 193

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

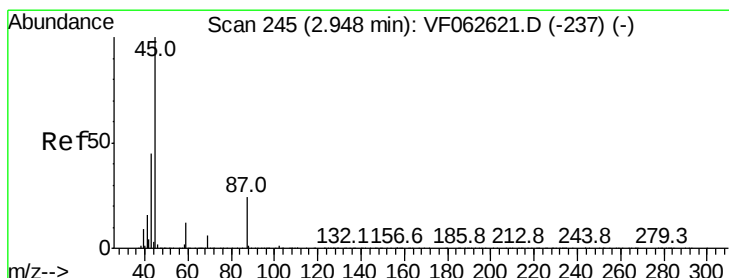
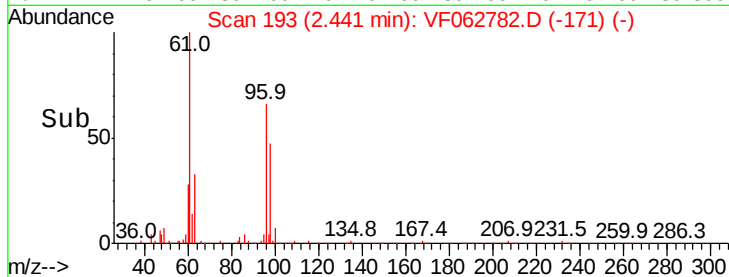
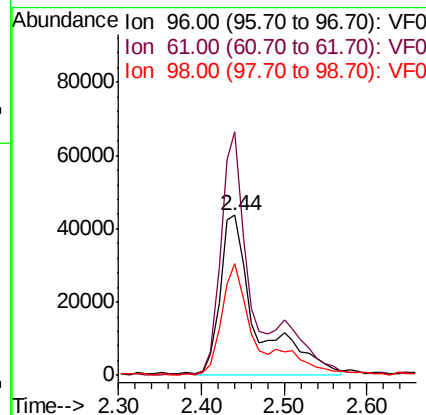
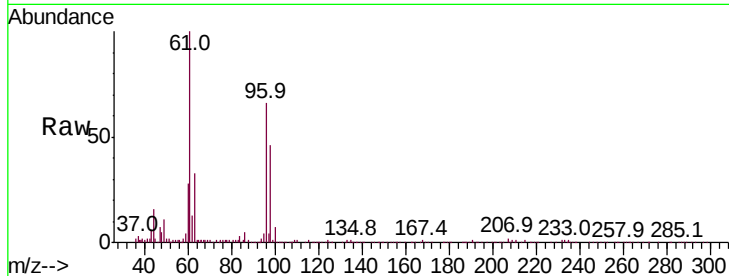
ClientSampleId :

VF0529SBS03

Tot Ion:	96	Resp:	135397
Ion	Ratio	Lower	Upper
96	100		
61	151.9	114.6	171.8
98	70.0	49.5	74.3

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#22

Diisopropyl ether

Concen: 20.760 ug/l

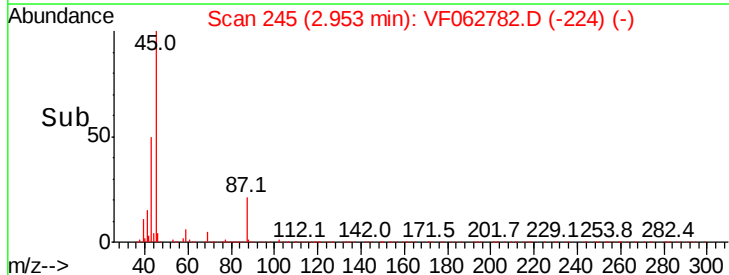
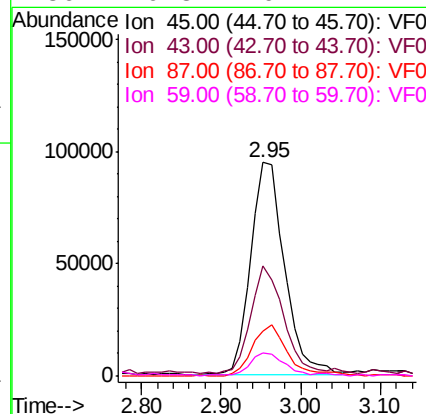
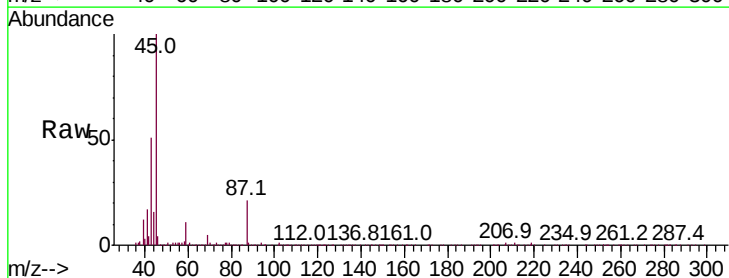
RT: 2.95 min Scan# 245

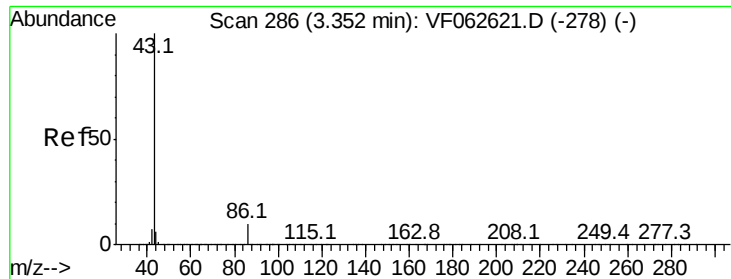
Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Tgt Ion:	45	Resp:	276989
Ion	Ratio	Lower	Upper
45	100		
43	51.4	36.4	54.6
87	21.3	19.3	28.9
59	10.8	9.4	14.2





#23

Vinyl Acetate

Concen: 115.074 ug/l

RT: 3.37 min Scan# 287

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 43 Resp: 1035728

Ion Ratio Lower Upper

43 100

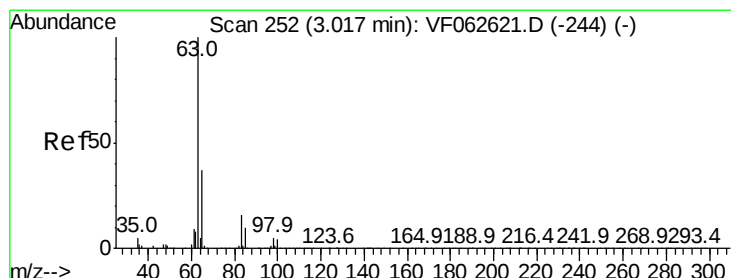
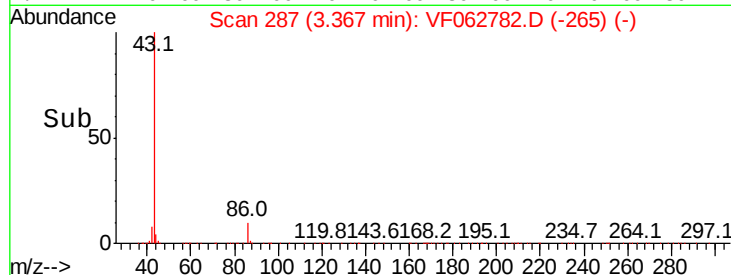
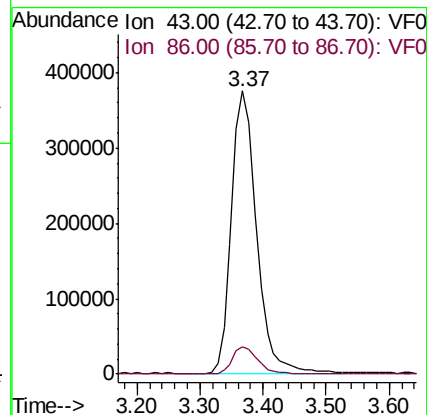
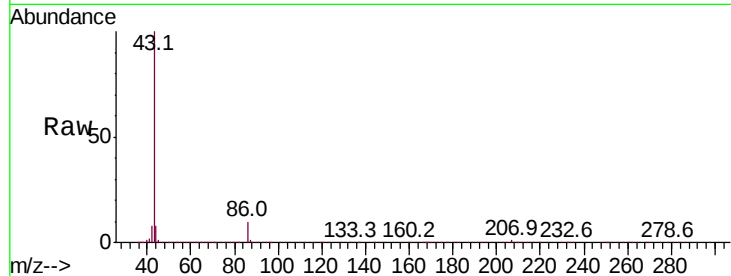
86 9.6 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 22.433 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

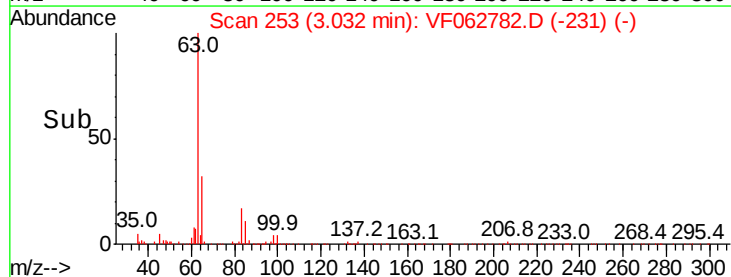
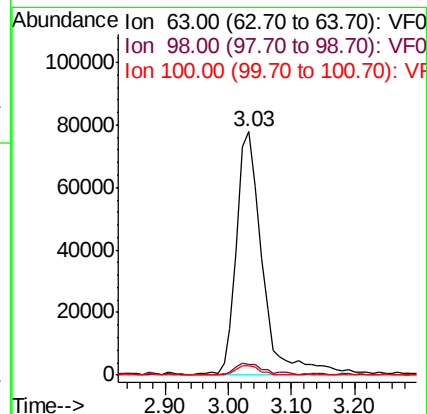
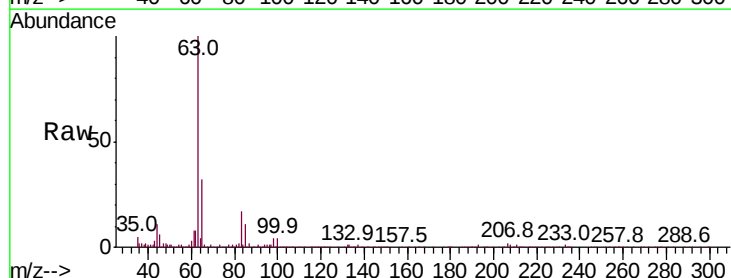
Tgt Ion: 63 Resp: 219576

Ion Ratio Lower Upper

63 100

98 4.5 2.8 8.3

100 3.6 1.9 5.7





#25

2-Butanone

Concen: 111.554 ug/l

RT: 4.55 min Scan# 407

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 43 Resp: 290728

Ion Ratio Lower Upper

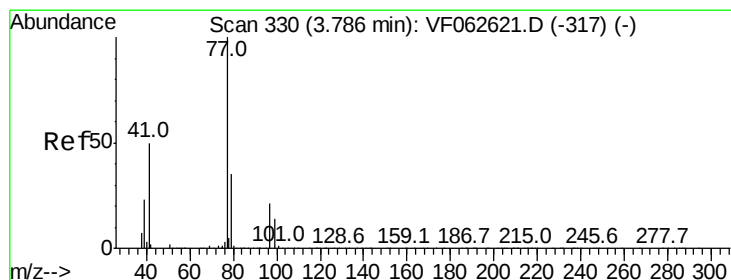
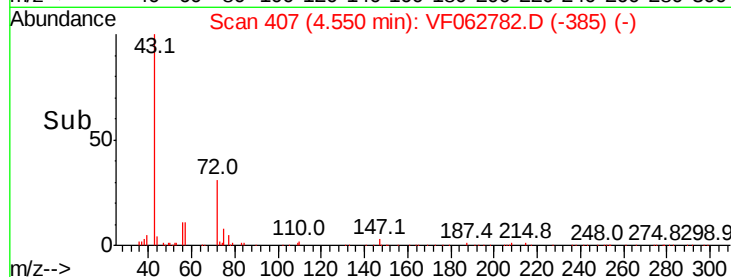
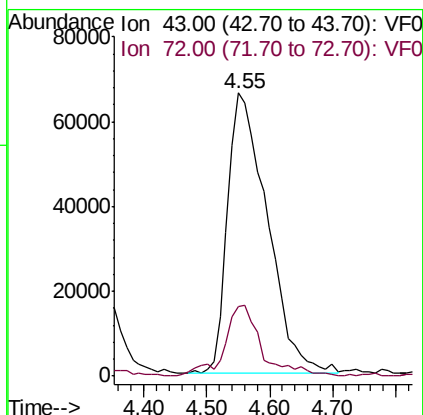
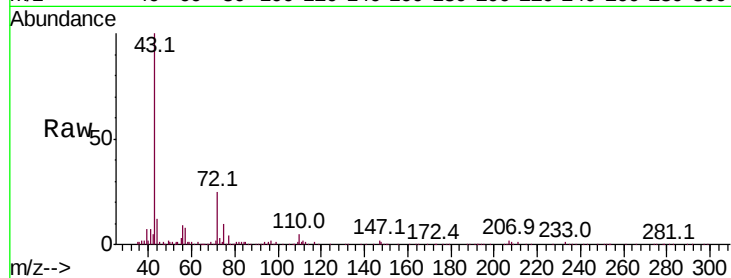
43 100

72 24.8 20.1 30.1

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#26

2,2-Dichloropropane

Concen: 22.517 ug/l

RT: 3.80 min Scan# 331

Delta R.T. 0.02 min

Lab File: VF062782.D

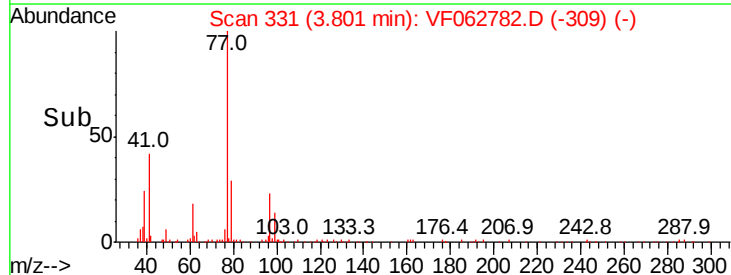
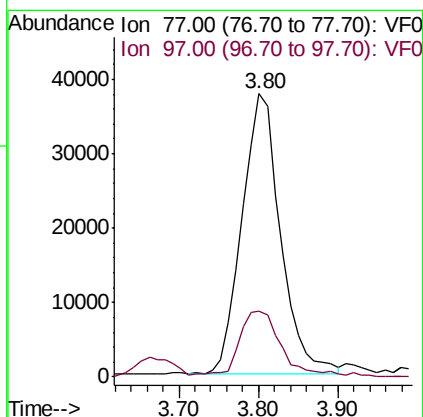
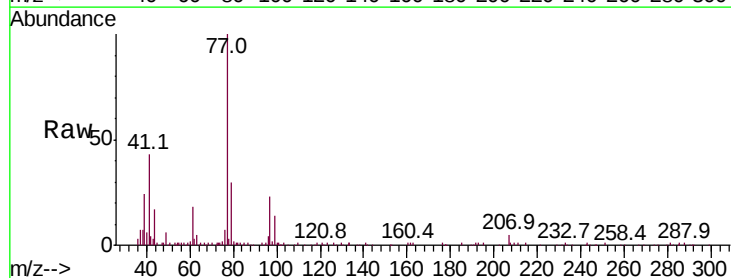
Acq: 29 May 2019 15:10

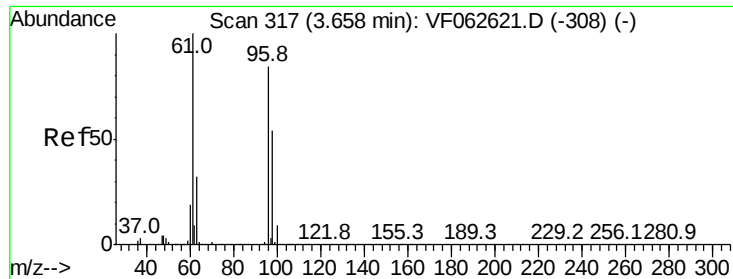
Tgt Ion: 77 Resp: 126106

Ion Ratio Lower Upper

77 100

97 23.0 14.1 42.4





#27

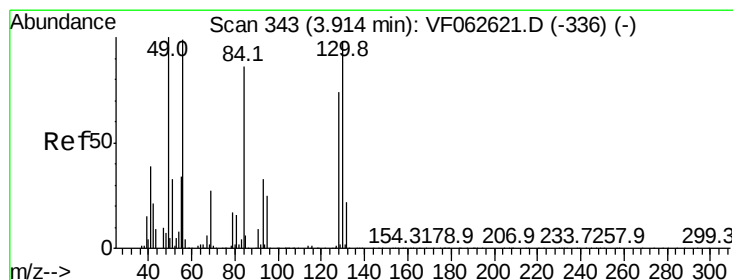
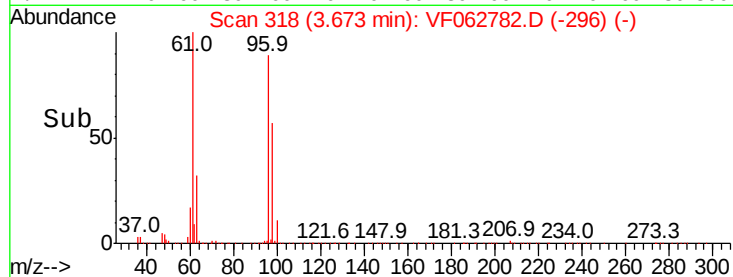
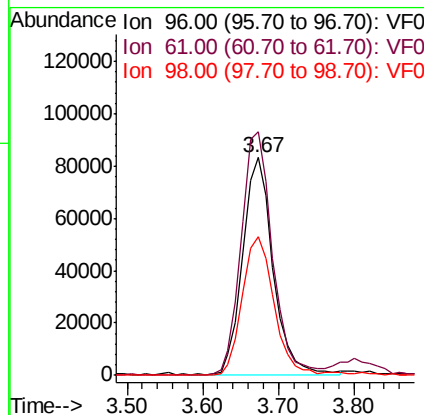
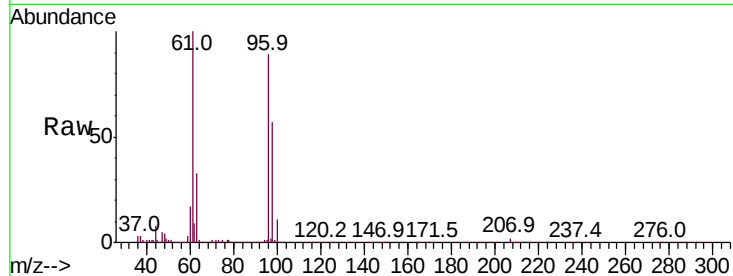
cis-1,2-Dichloroethene
Concen: 24.158 ug/l
RT: 3.67 min Scan# 318
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Resp	Lower	Upper
96	100	232159		
61	112.0	0.0	237.4	
98	63.8	0.0	129.0	

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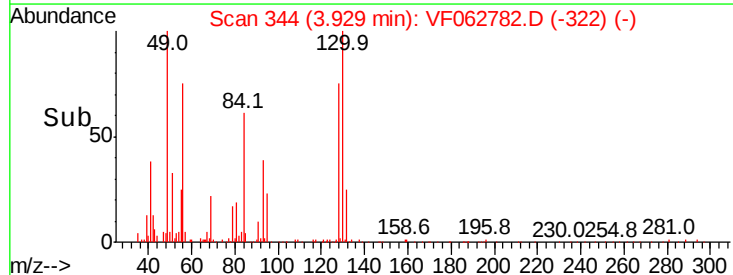
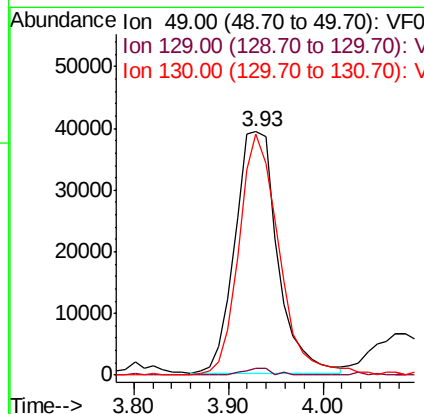
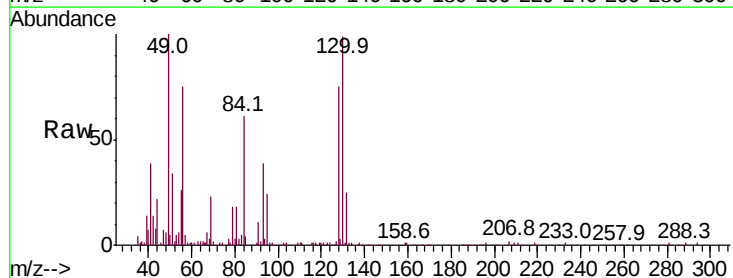
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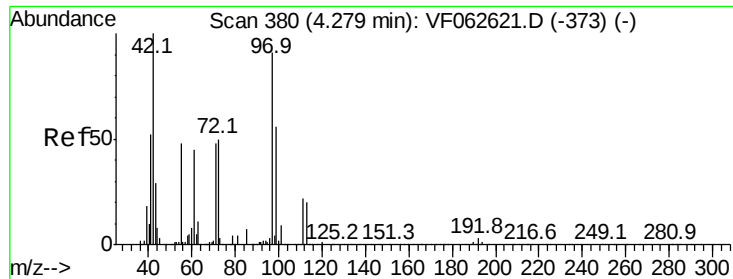


#28

Bromochloromethane
Concen: 22.506 ug/l
RT: 3.93 min Scan# 344
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	123550		
129	2.9	0.0	4.0	
130	99.1	77.8	116.8	





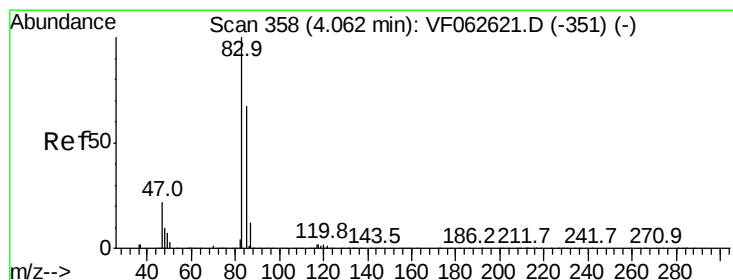
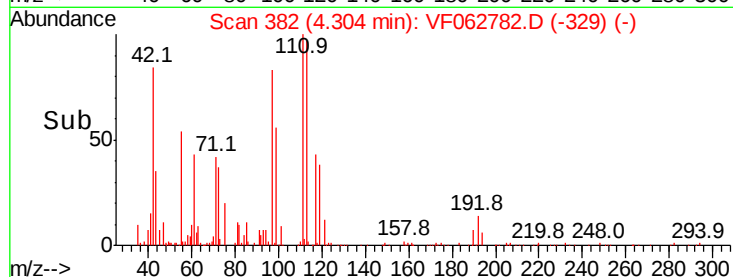
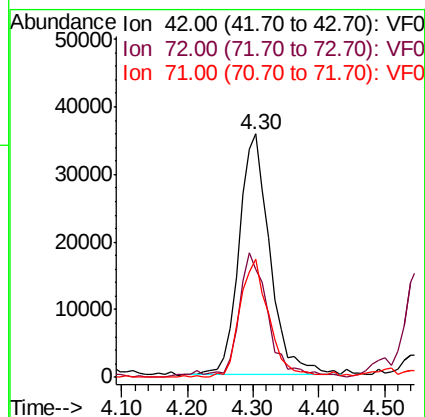
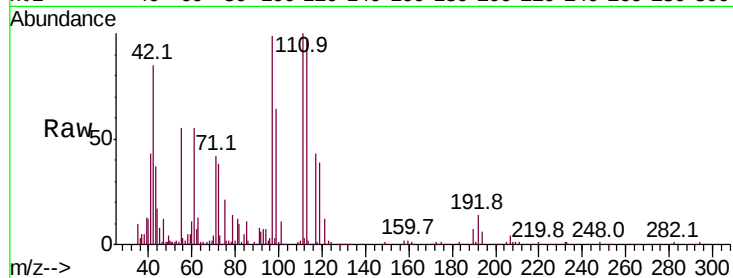
#29
Tetrahydrofuran
Concen: 111.213 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.03 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.9	38.2	57.2
71	46.6	35.8	53.6

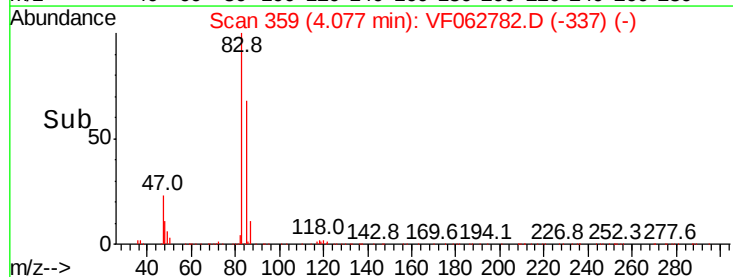
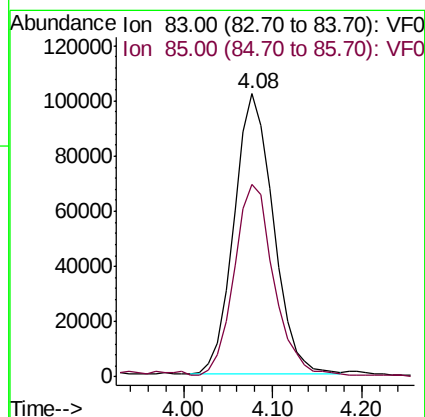
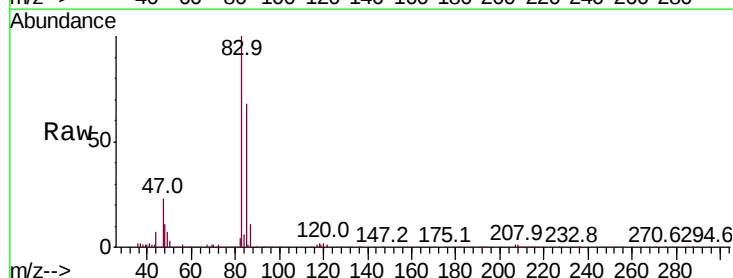
Manual Integrations
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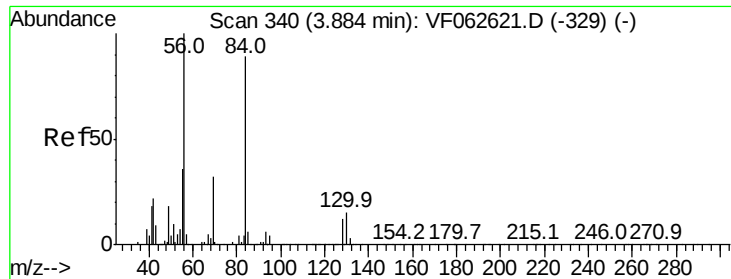
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#30
Chloroform
Concen: 22.971 ug/l
RT: 4.08 min Scan# 359
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.1	53.6	80.4





#31

Cyclohexane

Concen: 21.366 ug/l m

RT: 3.90 min Scan# 341

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

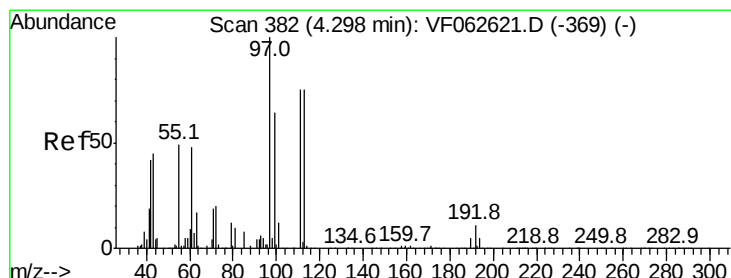
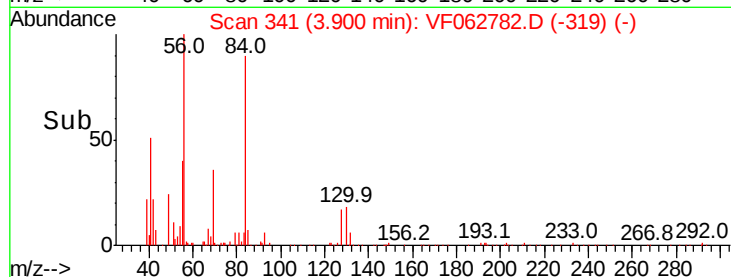
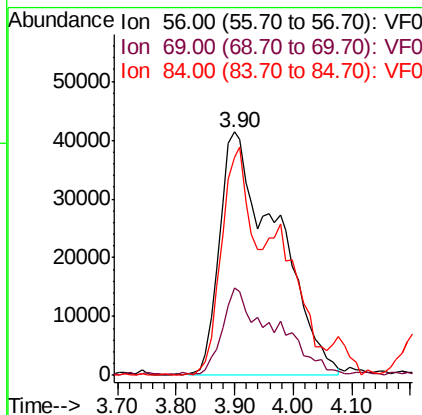
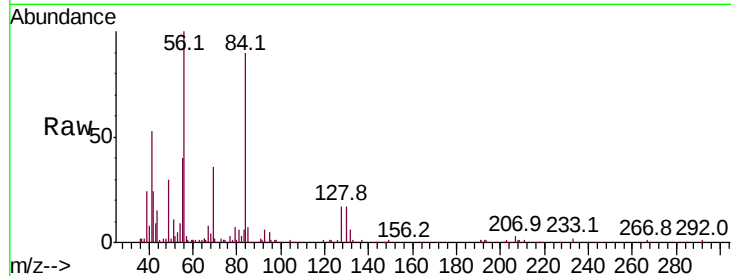
ClientSampleId :

VF0529SBS03

Tot Ion:	56	Resp:	280809
Ion Ratio	Lower	Upper	
56	100		
69	35.8	25.3	37.9
84	89.6	71.0	106.4

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#32

1,1,1-Trichloroethane

Concen: 21.941 ug/l

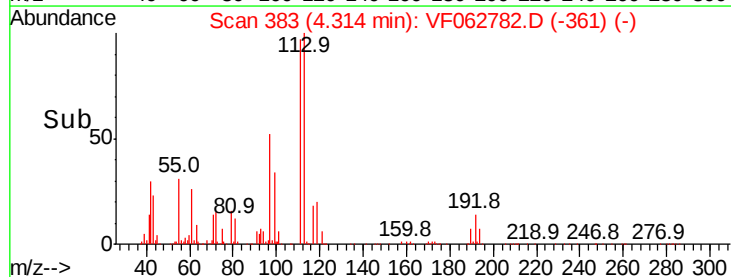
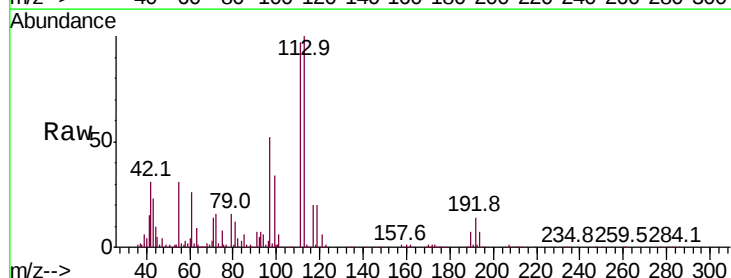
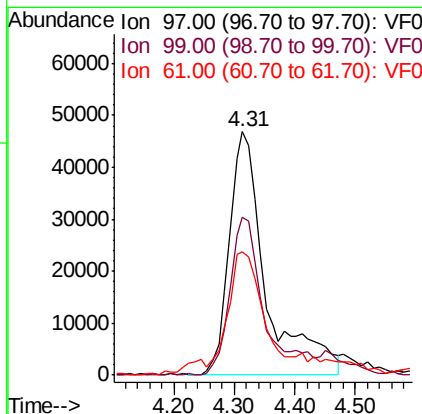
RT: 4.31 min Scan# 383

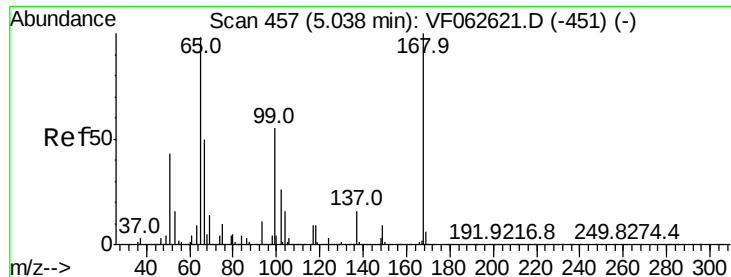
Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Tgt Ion:	97	Resp:	198029
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.3	76.9
61	50.4	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 47.522 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.03 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 65 Resp: 223443

Ion Ratio Lower Upper

65 100

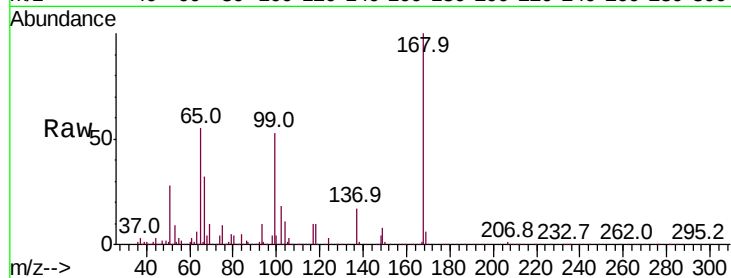
67 58.0 0.0 117.6

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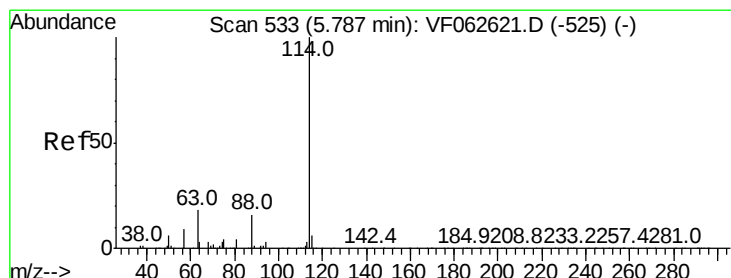
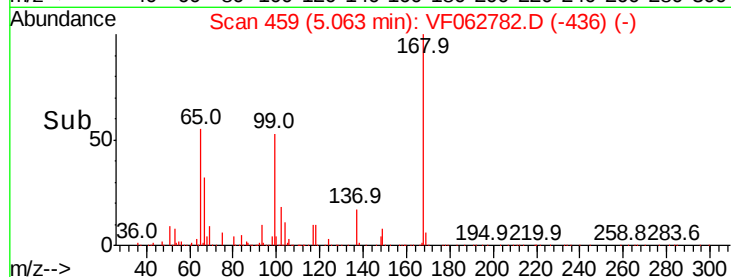
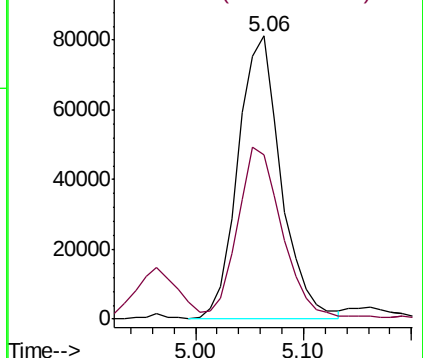
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

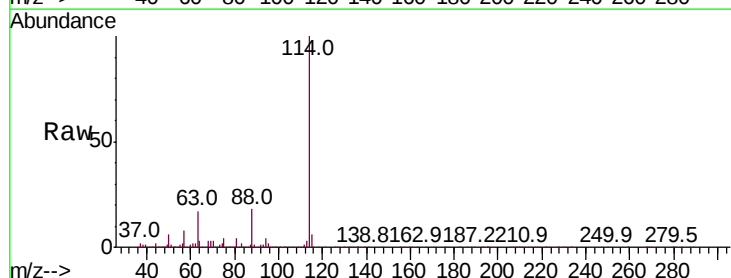
Tgt Ion: 114 Resp: 1129547

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.4

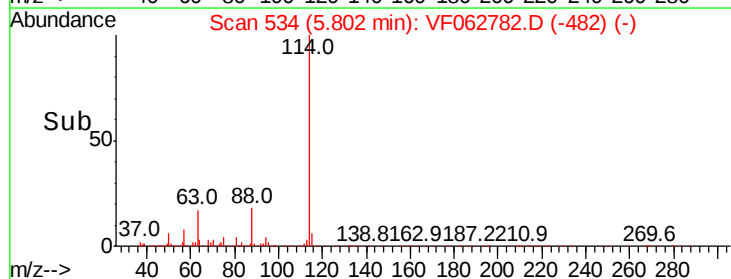
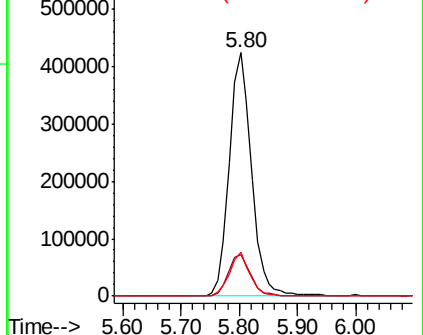
88 18.0 0.0 32.4

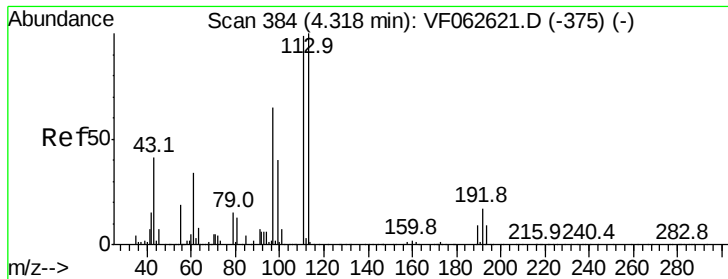


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





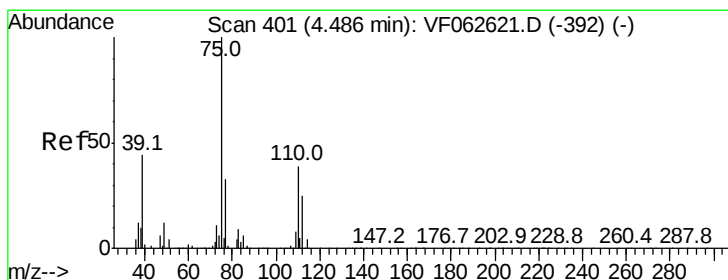
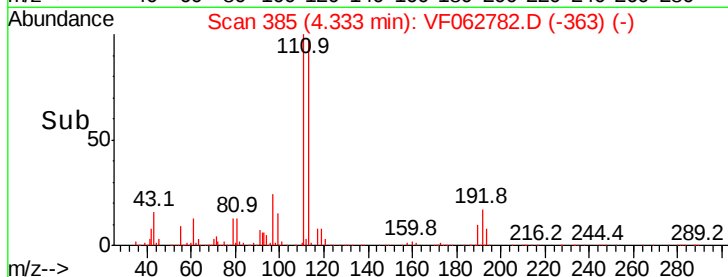
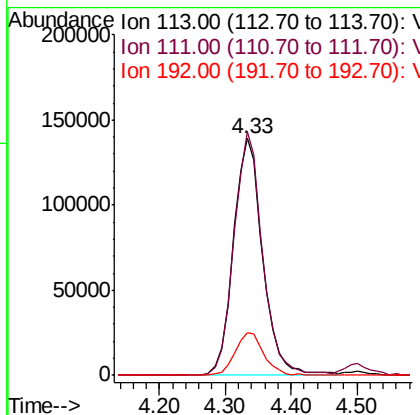
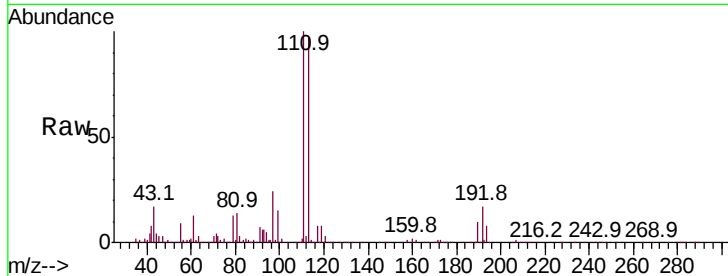
#35
 Dibromofluoromethane
 Concen: 50.440 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.02 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS03

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	79.4	119.2
192	18.2	13.4	20.2

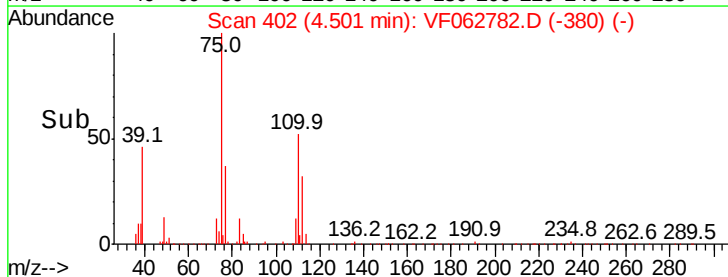
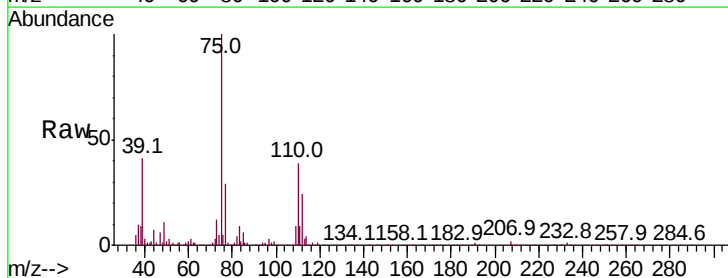
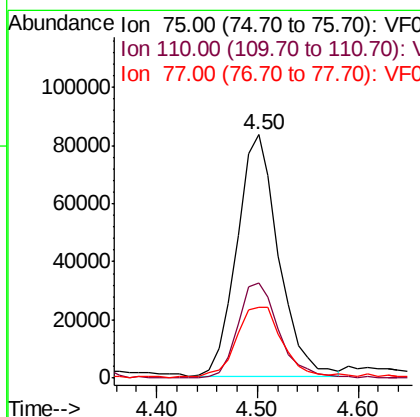
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 20.701 ug/l
 RT: 4.50 min Scan# 402
 Delta R.T. 0.02 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.1	19.7	59.1
77	29.2	26.3	39.5





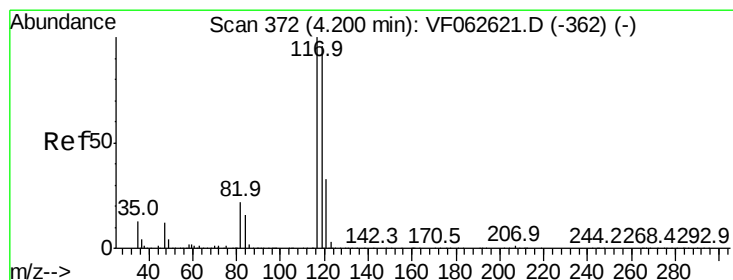
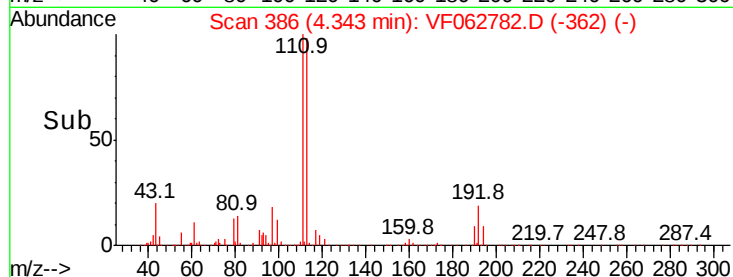
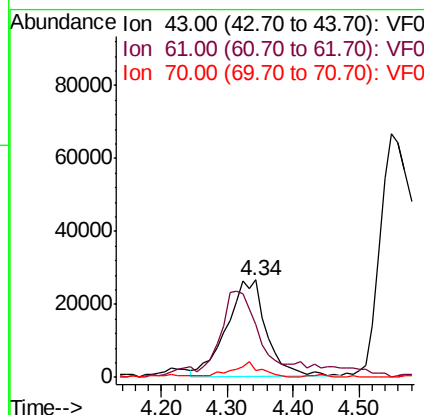
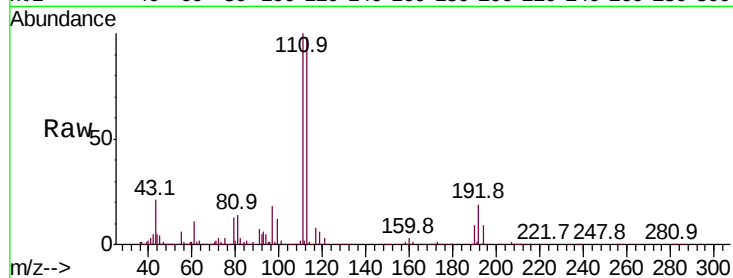
#37
Ethyl Acetate
Concen: 23.365 ug/l
RT: 4.34 min Scan# 386
Delta R.T. 0.04 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	54.4	76.9	115.3#
70	7.1	8.8	13.2#

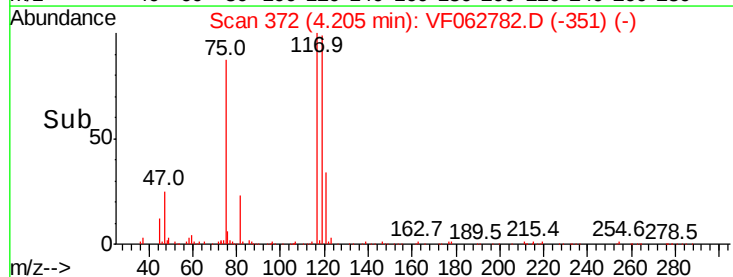
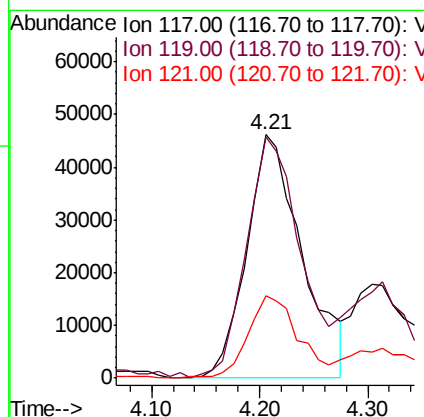
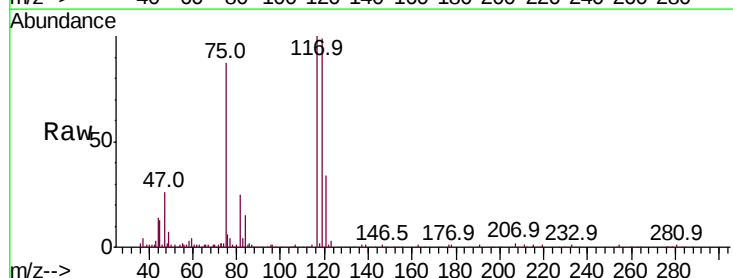
Manual Integrations
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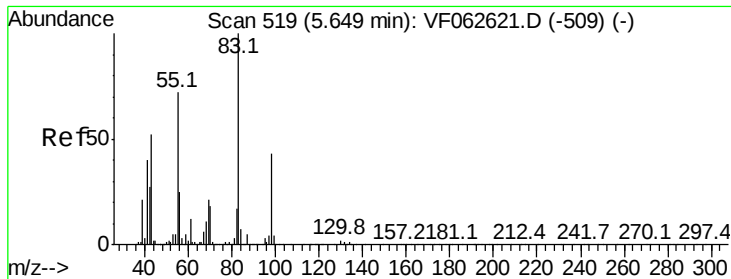
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#38
Carbon Tetrachloride
Concen: 19.054 ug/l
RT: 4.21 min Scan# 372
Delta R.T. 0.01 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	76.7	115.1
121	33.9	26.6	40.0





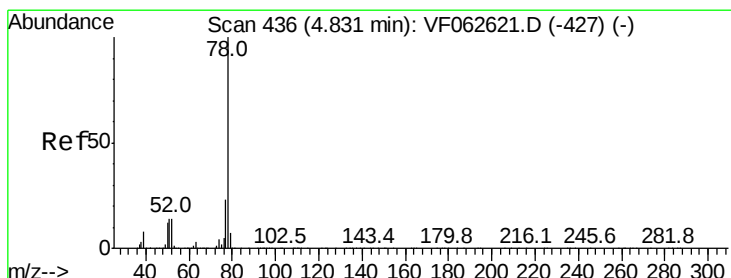
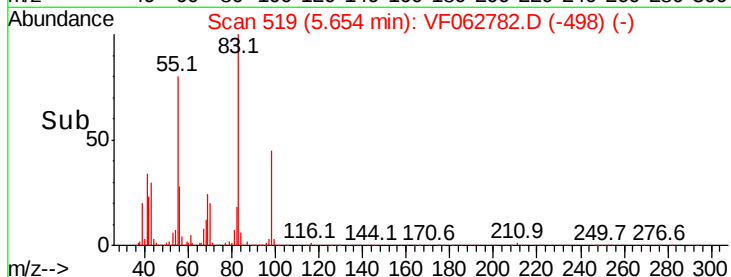
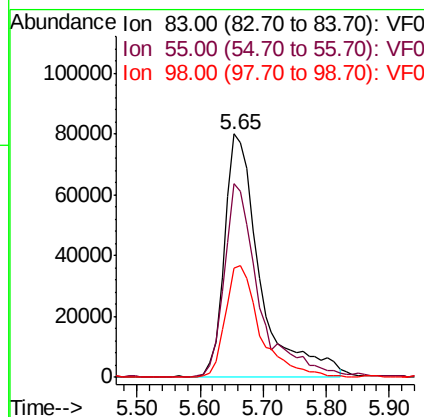
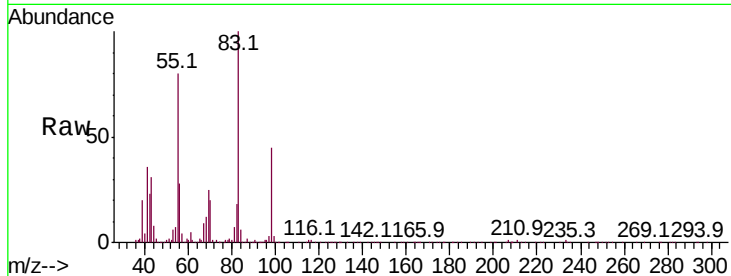
#39
Methvlcvclohexane
Concen: 22.431 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion:	83	Resp:	312399
Ion Ratio	Lower	Upper	
83	100		
55	79.8	57.9	86.9
98	44.7	34.6	52.0

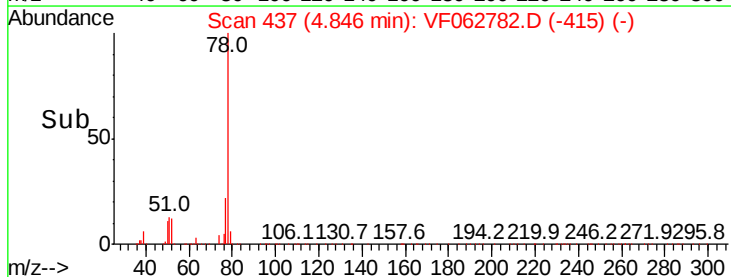
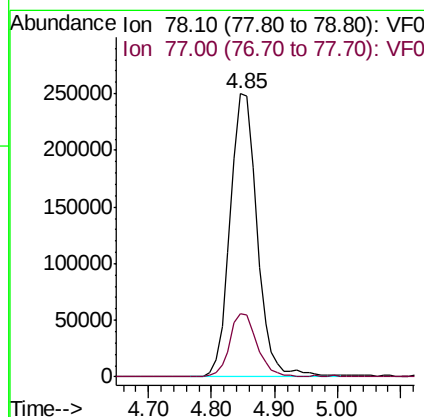
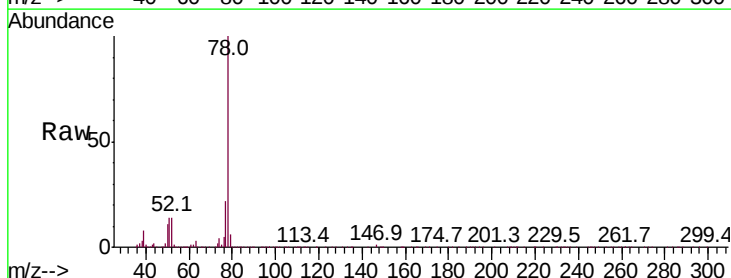
Manual Integrations
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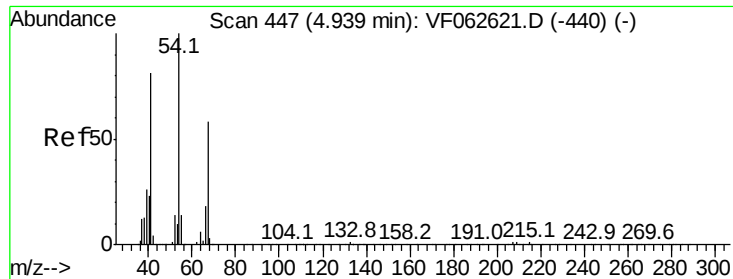
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#40
Benzene
Concen: 23.551 ug/l
RT: 4.85 min Scan# 437
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion:	78	Resp:	742590
Ion Ratio	Lower	Upper	
78	100		
77	22.4	18.2	27.2





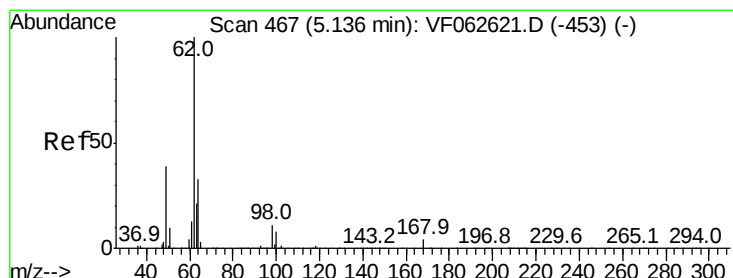
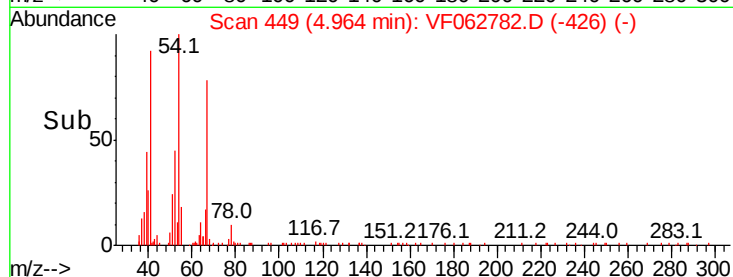
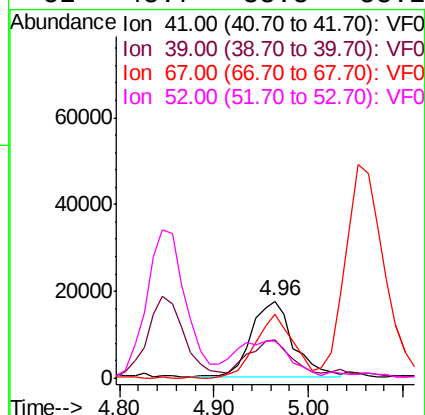
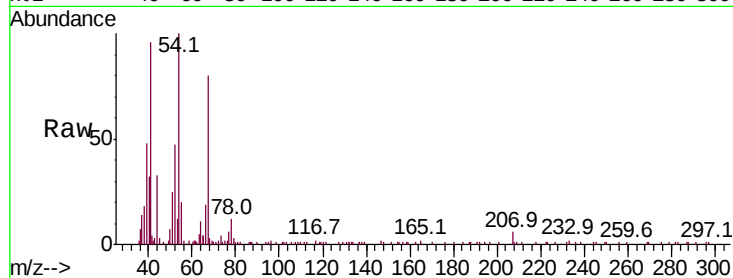
#41
Methacrylonitrile
Concen: 21.563 ug/l
RT: 4.96 min Scan# 449
Delta R.T. 0.03 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.7	42.2	63.2
67	82.8	56.4	84.6
52	48.7	38.8	58.2

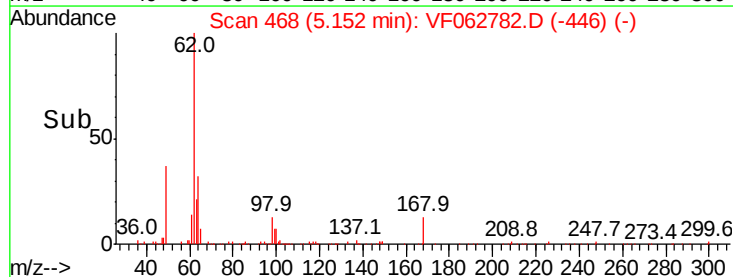
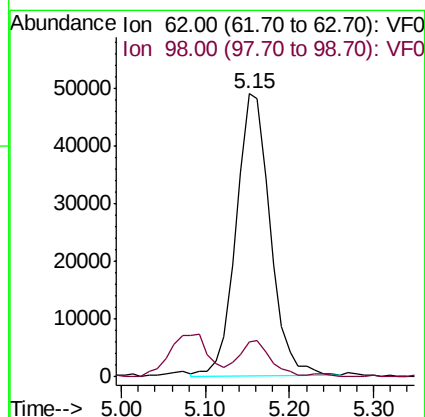
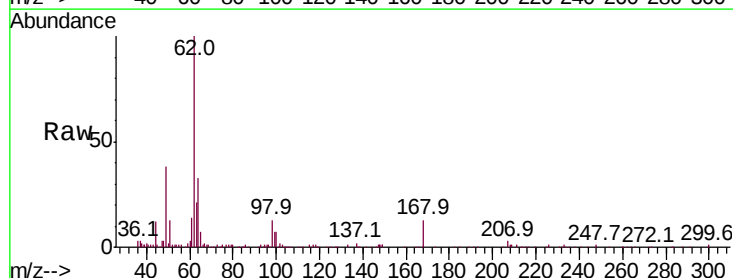
Manual Integrations
APPROVED

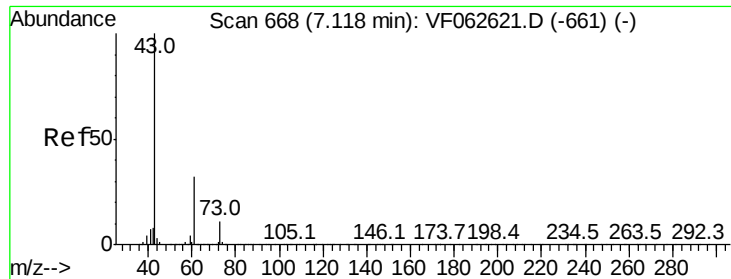
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#42
1,2-Dichloroethane
Concen: 21.814 ug/l
RT: 5.15 min Scan# 468
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	12.5	0.0	21.6





#43

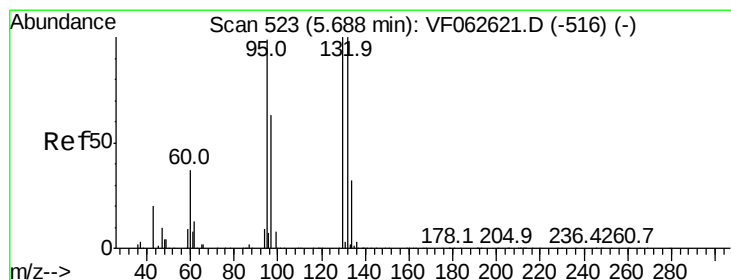
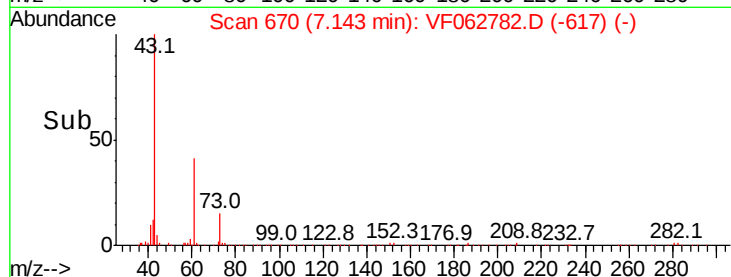
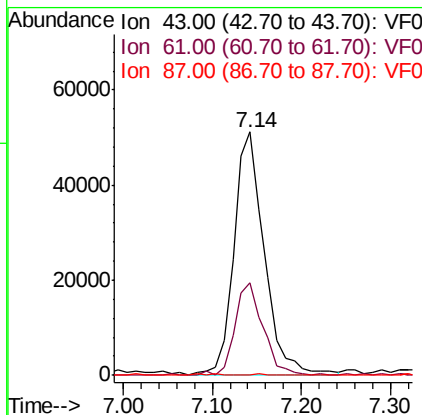
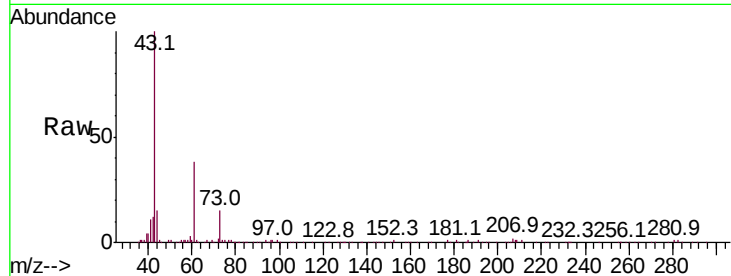
Isopropyl Acetate
 Concen: 19.597 ug/l
 RT: 7.14 min Scan# 670
 Delta R.T. 0.03 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	37.8	25.8	38.8
87	0.0	0.4	0.6

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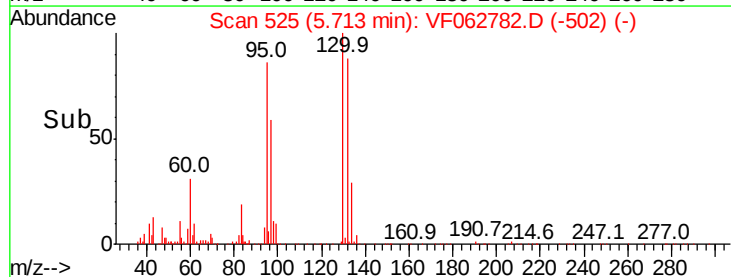
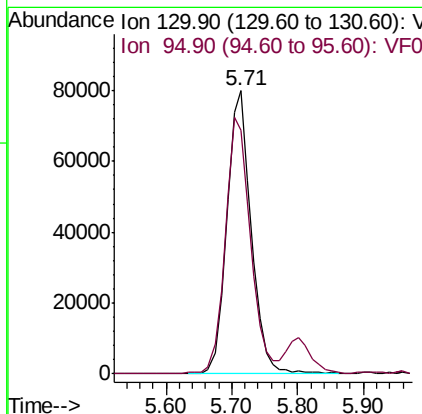
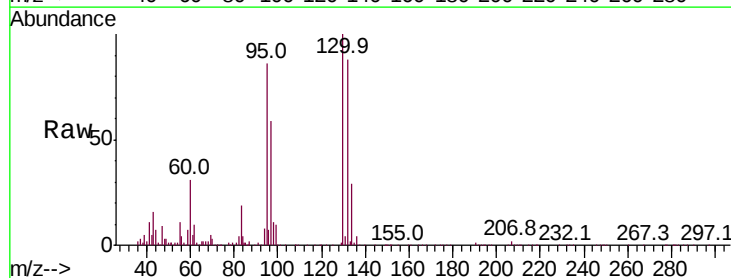
mmdadoda
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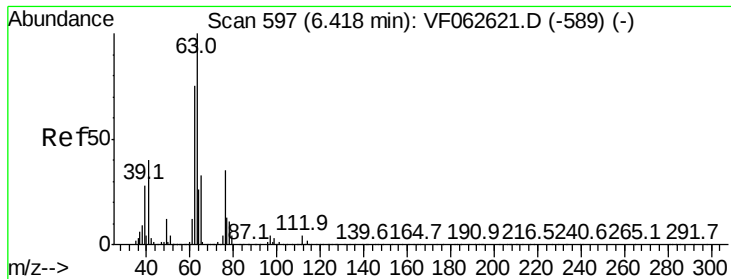


#44

Trichloroethene
 Concen: 23.350 ug/l
 RT: 5.71 min Scan# 525
 Delta R.T. 0.03 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.1	0.0	199.4





#45

1,2-Dichloropropane

Concen: 24.030 ug/l

RT: 6.43 min Scan# 598

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 63 Resp: 191269

Ion Ratio Lower Upper

63 100

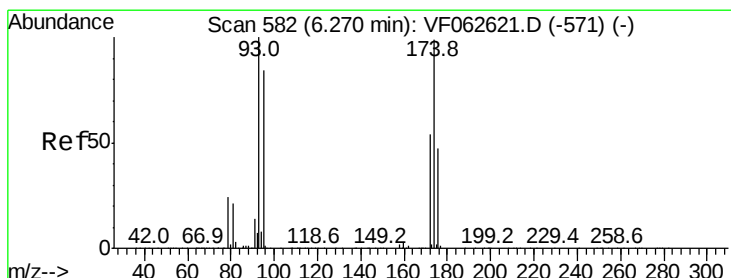
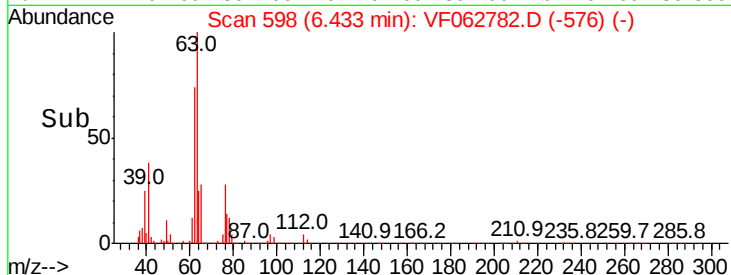
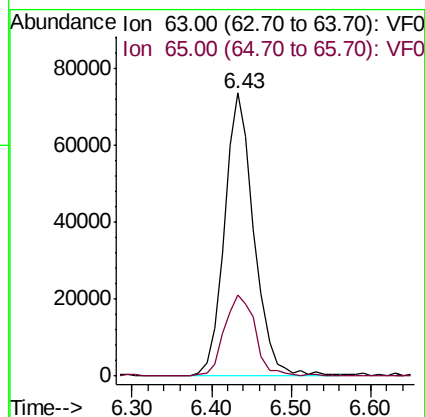
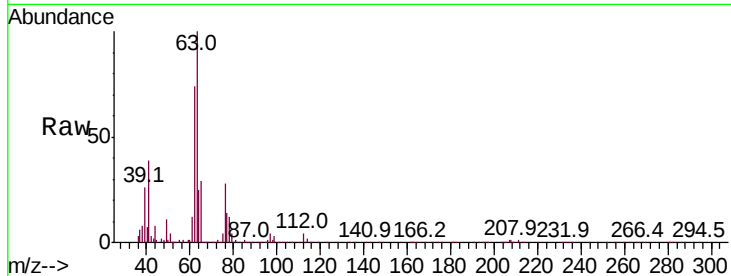
65 28.6 26.3 39.5

Manual Integrations

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#46

Dibromomethane

Concen: 23.876 ug/l

RT: 6.29 min Scan# 583

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

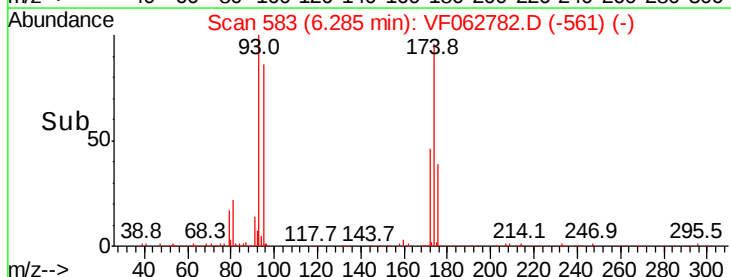
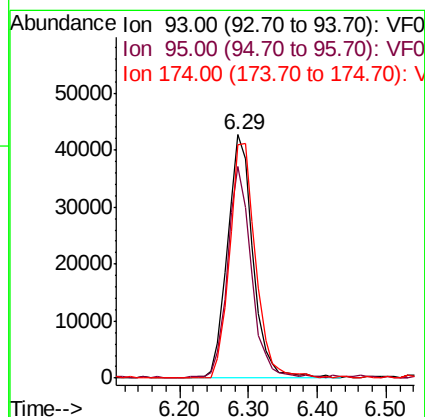
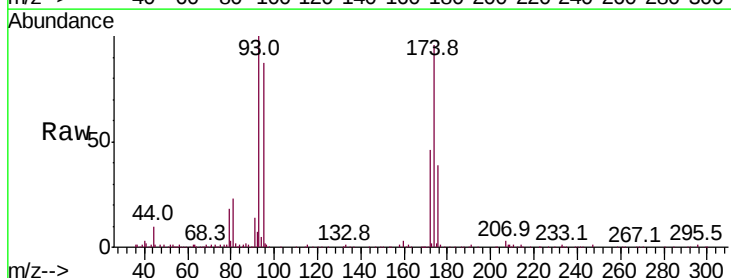
Tgt Ion: 93 Resp: 109835

Ion Ratio Lower Upper

93 100

95 88.4 67.4 101.2

174 95.6 79.4 119.2





#47

Bromodichloromethane

Concen: 23.205 ug/l

RT: 6.58 min Scan# 613

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

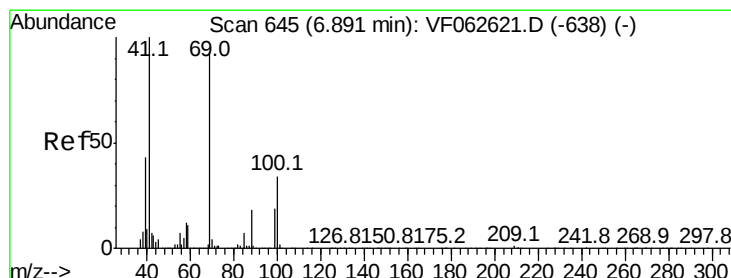
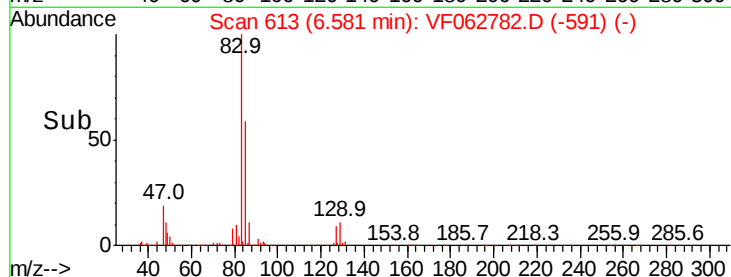
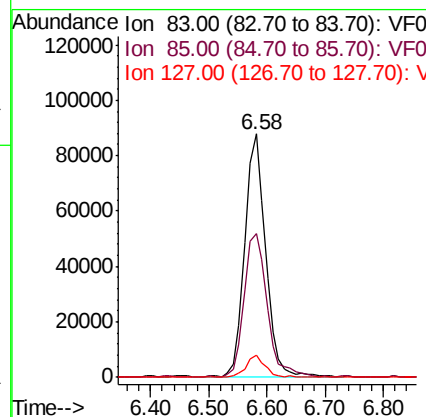
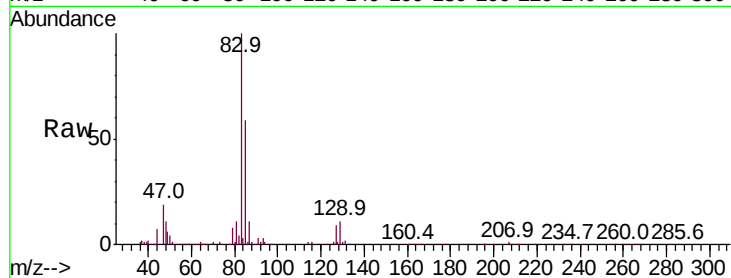
ClientSampleId :

VF0529SBS03

Tot Ion:	83	Resp:	221603
Ion Ratio	Lower	Upper	
83	100		
85	59.0	52.0	78.0
127	9.2	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.746 ug/l

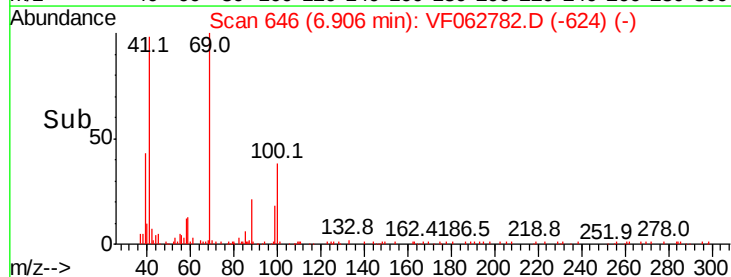
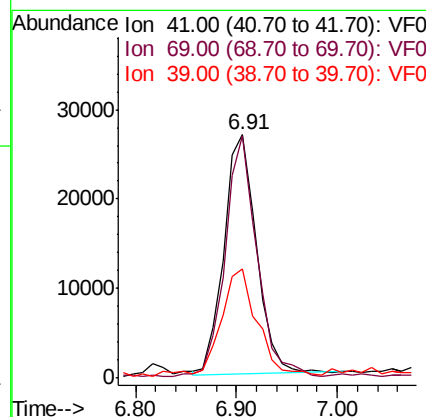
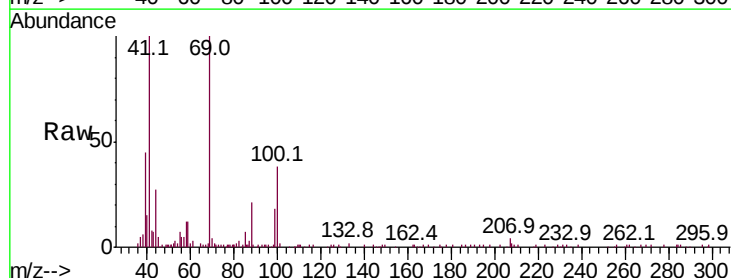
RT: 6.91 min Scan# 646

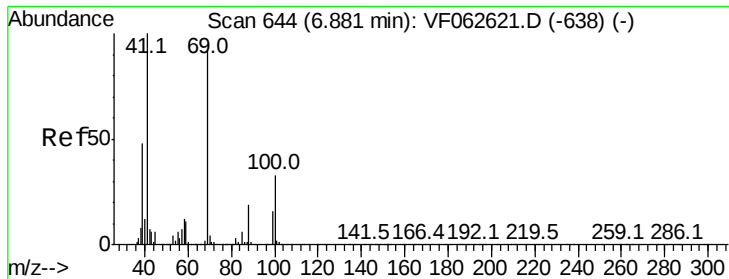
Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Tgt Ion:	41	Resp:	59991
Ion Ratio	Lower	Upper	
41	100		
69	99.6	74.2	111.2
39	45.0	34.2	51.4





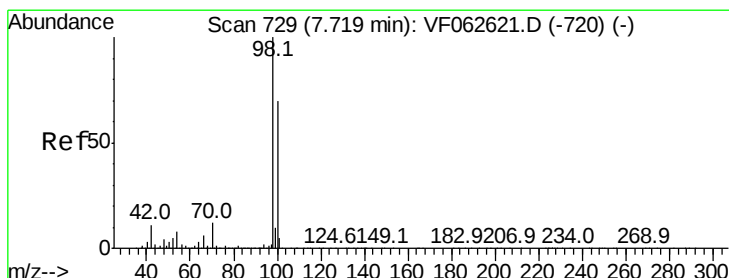
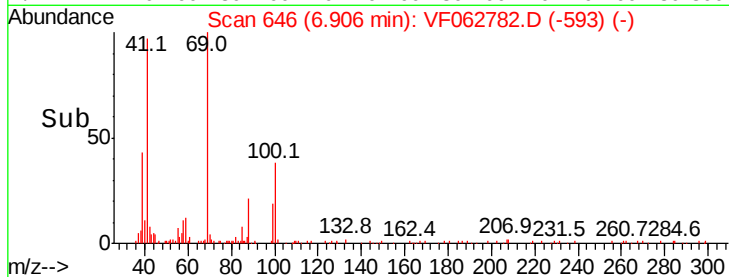
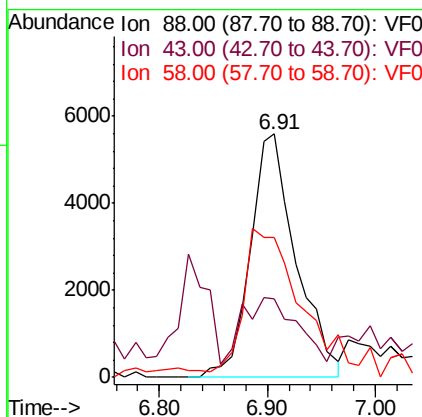
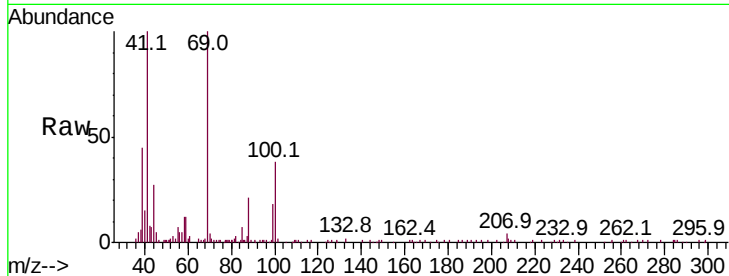
#49
1,4-Dioxane
Concen: 400.274 ug/l
RT: 6.91 min Scan# 646
Delta R.T. 0.03 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBSD03

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	32.4	30.0	45.0	
58	57.7	51.1	76.7	

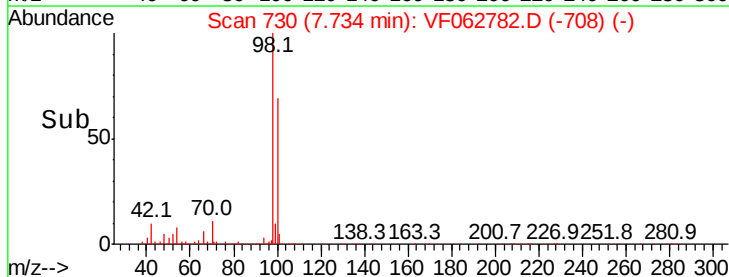
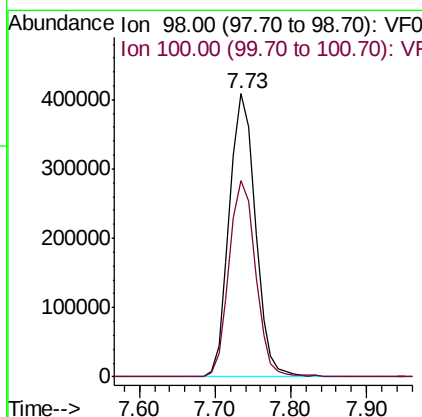
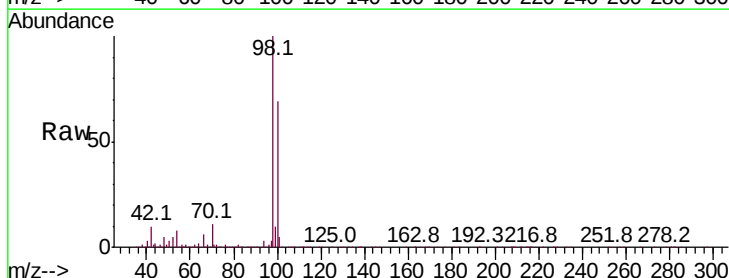
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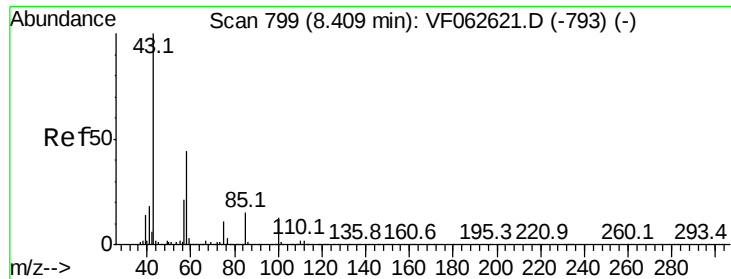
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#50
Toluene-d8
Concen: 47.688 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	69.2	56.2	84.2	





#51

4-Methyl-2-Pentanone

Concen: 108.354 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 43 Resp: 453459

Ion Ratio Lower Upper

43 100

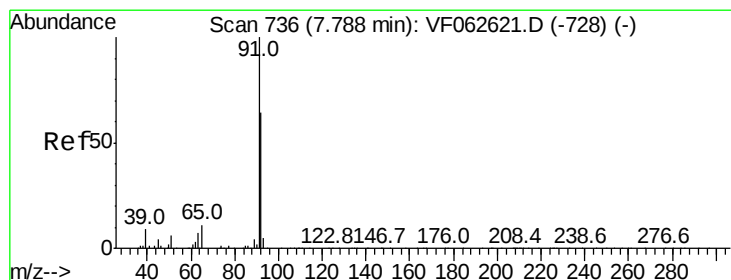
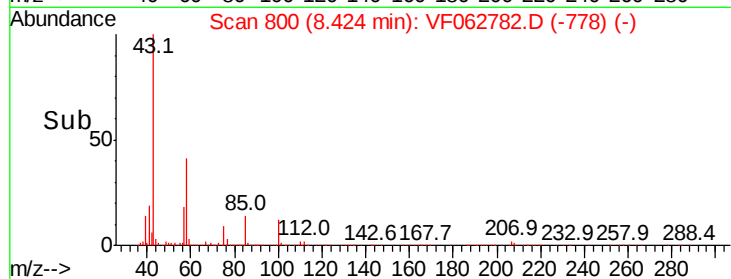
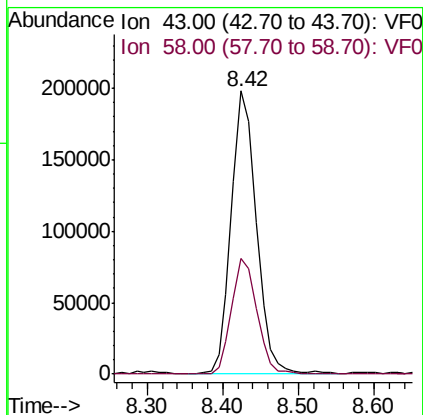
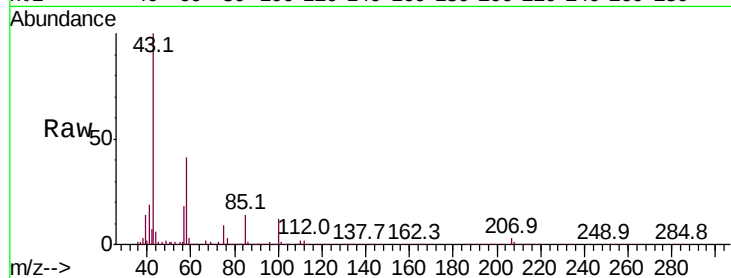
58 41.1 34.9 52.3

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#52

Toluene

Concen: 23.524 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.02 min

Lab File: VF062782.D

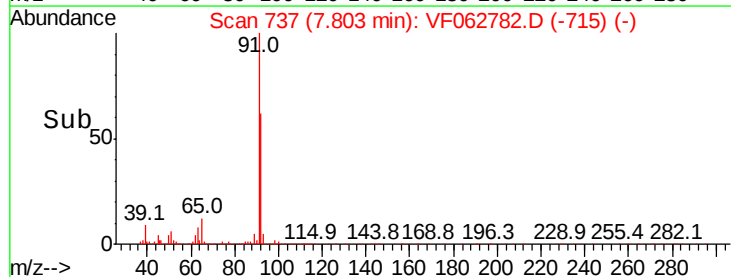
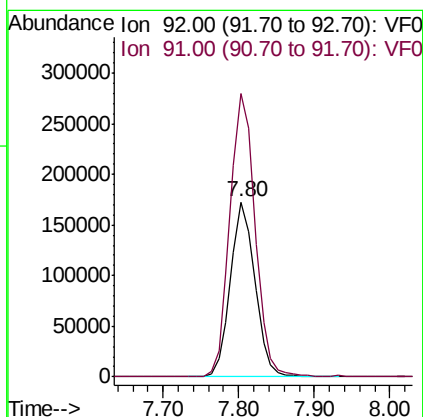
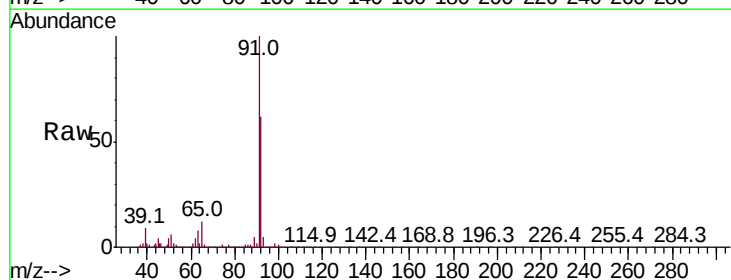
Acq: 29 May 2019 15:10

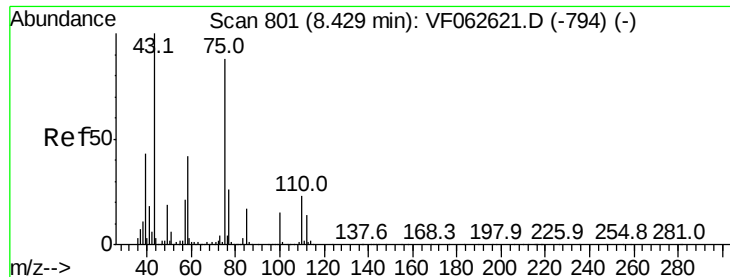
Tgt Ion: 92 Resp: 389002

Ion Ratio Lower Upper

92 100

91 161.7 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 22.917 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.03 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 75 Resp: 179047

Ion Ratio Lower Upper

75 100

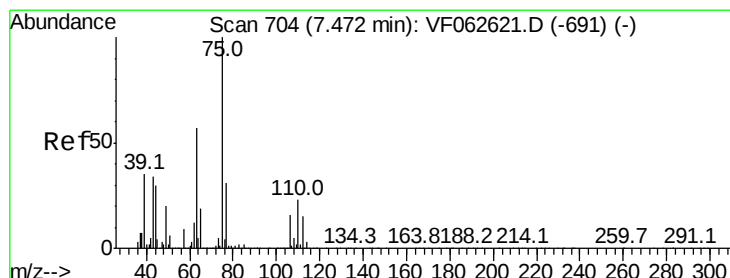
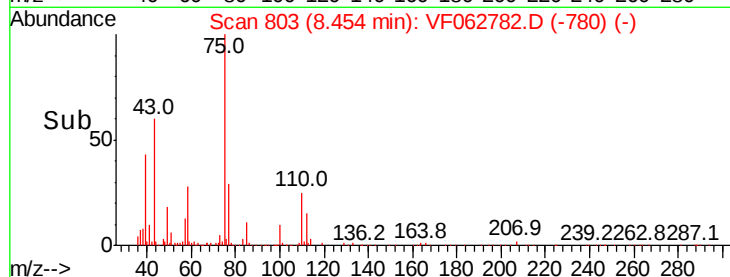
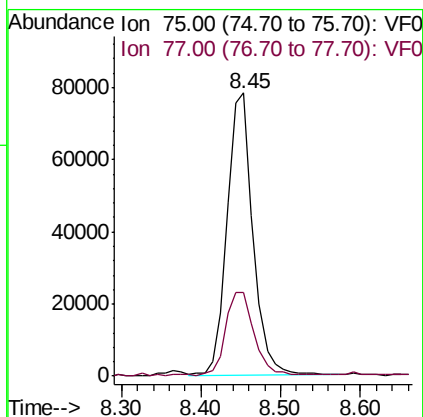
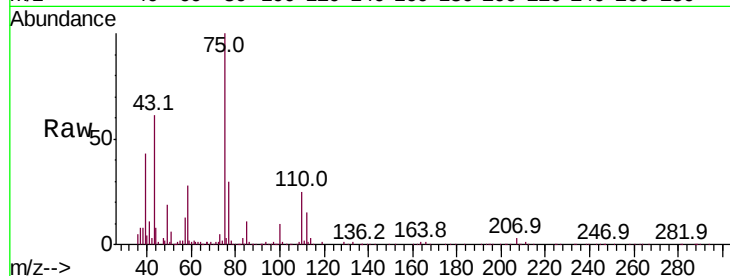
77 29.7 24.2 36.4

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#54

cis-1,3-Dichloropropene

Concen: 23.752 ug/l

RT: 7.49 min Scan# 705

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

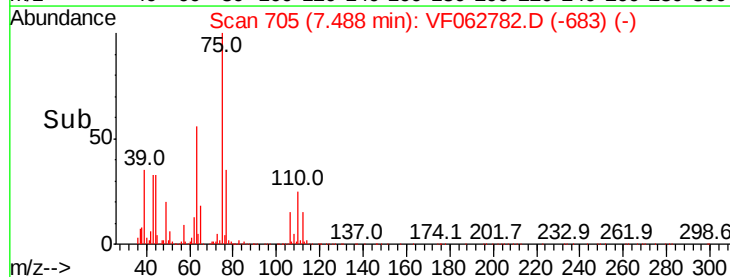
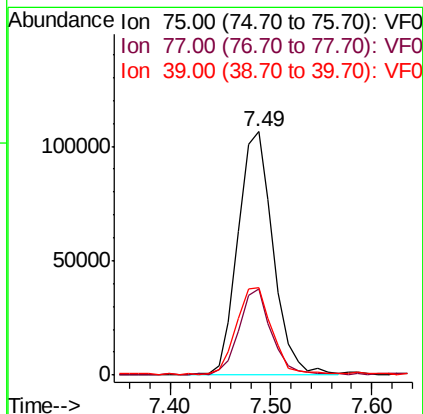
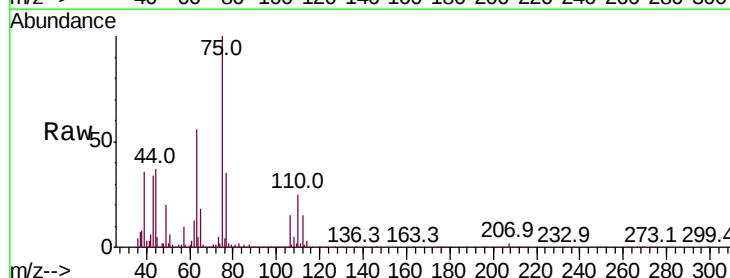
Tgt Ion: 75 Resp: 259769

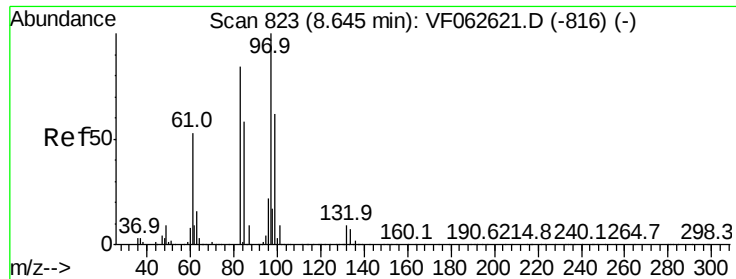
Ion Ratio Lower Upper

75 100

77 35.3 25.3 37.9

39 35.7 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 23.693 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

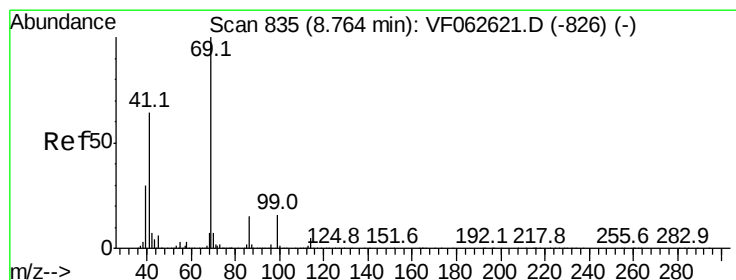
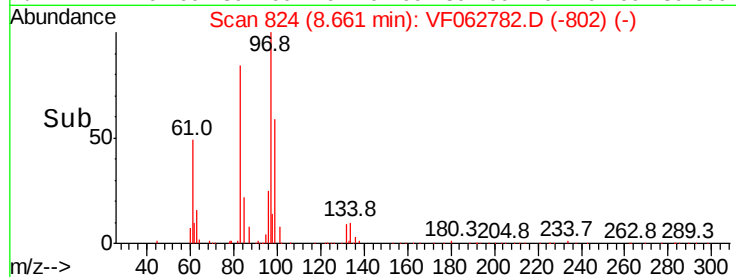
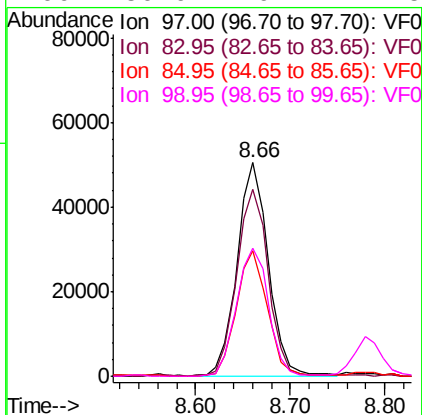
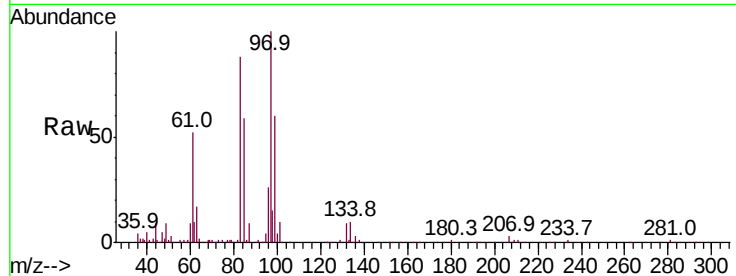
ClientSampleId :

VF0529SBSD03

Tot Ion	Ratio	Resp	Lower	Upper
97	100	116009		
83	87.7	67.3	100.9	
85	59.0	46.6	69.8	
99	59.9	49.7	74.5	

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#56

Ethyl methacrylate

Concen: 20.499 ug/l

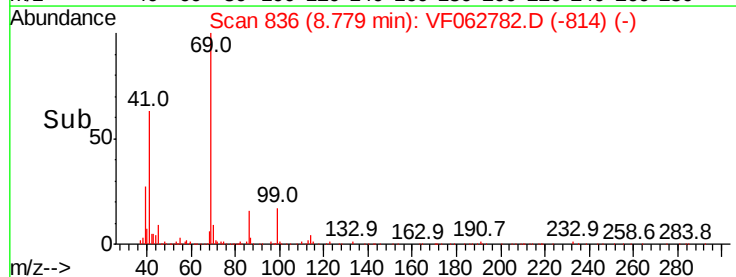
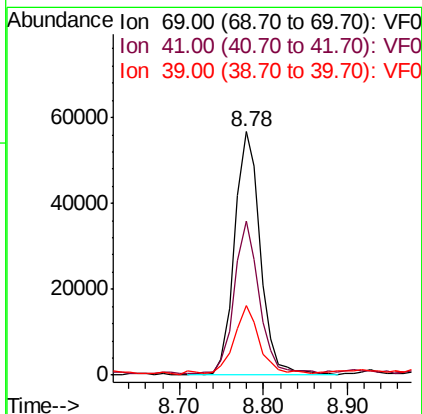
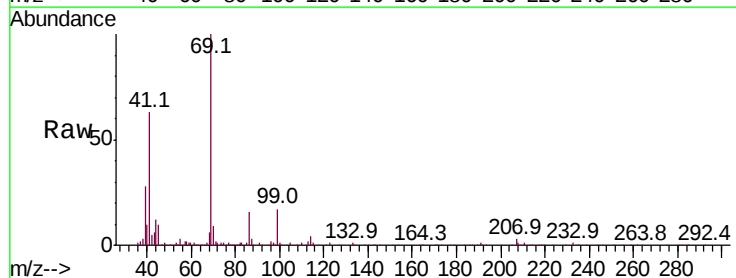
RT: 8.78 min Scan# 836

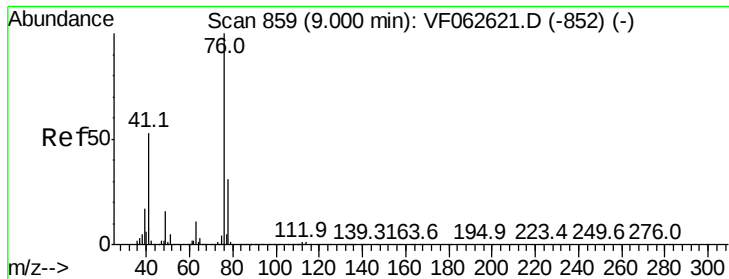
Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	119579		
41	63.3	51.4	77.2	
39	28.5	23.6	35.4	





#57

1,3-Dichloropropane

Concen: 23.502 ug/l

RT: 9.02 min Scan# 860

Delta R.T. 0.02 min

Lab File: VF062782.D

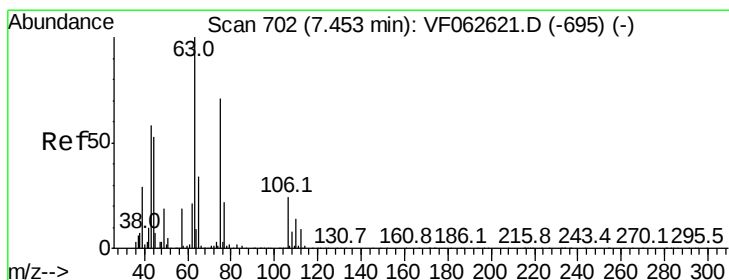
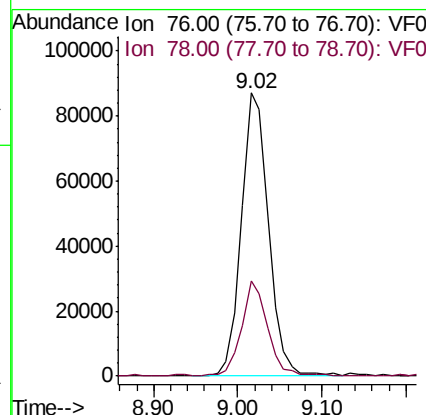
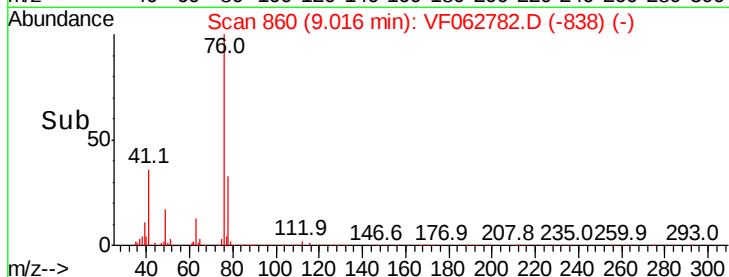
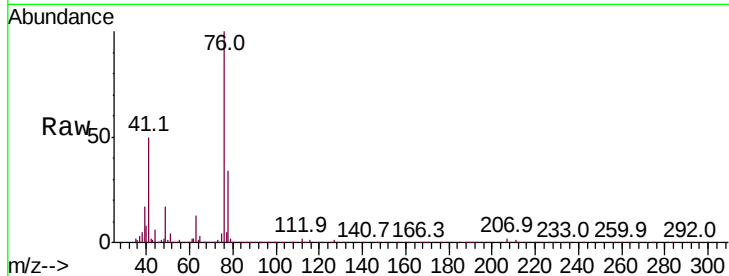
Acq: 29 May 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.6	25.4	38.0

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#58

2-Chloroethyl Vinyl ether

Concen: 110.448 ug/l

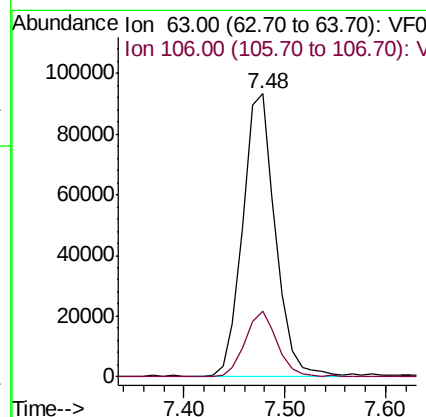
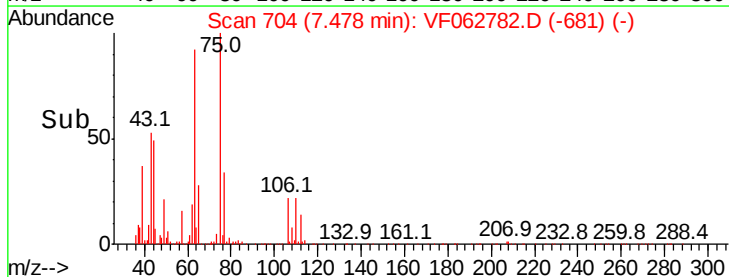
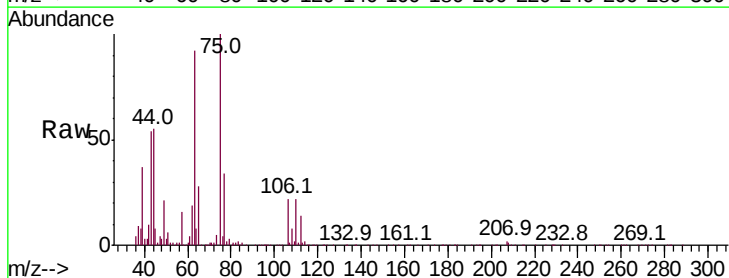
RT: 7.48 min Scan# 704

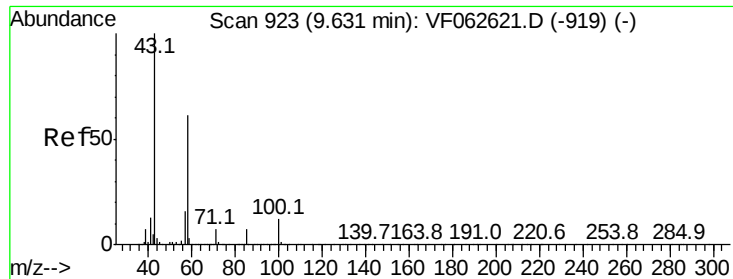
Delta R.T. 0.03 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.4	19.1	28.7





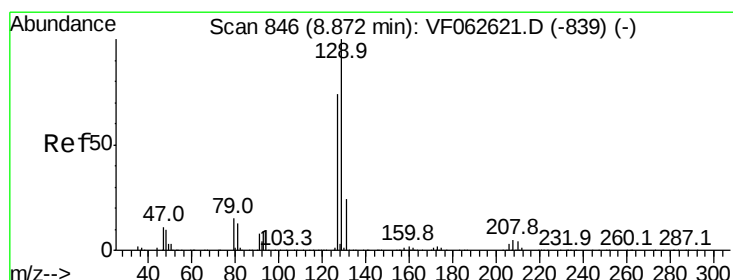
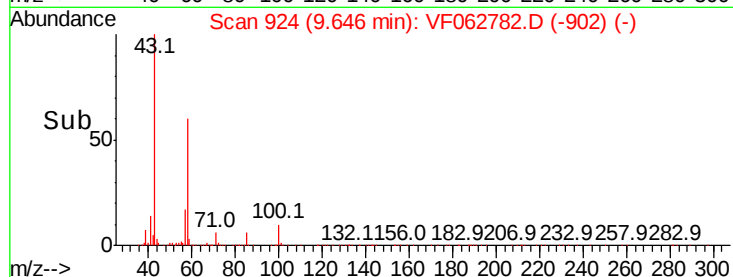
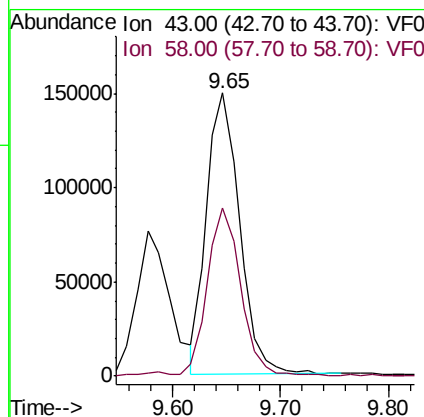
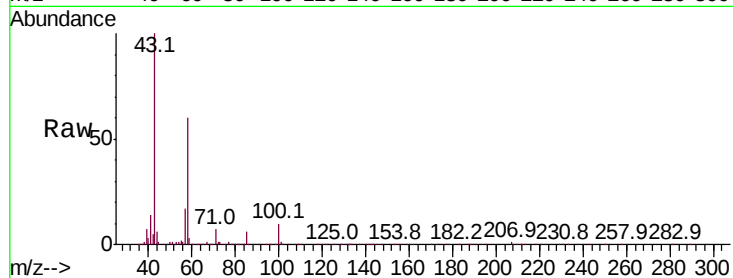
#59
2-Hexanone
Concen: 106.395 ug/l
RT: 9.65 min Scan# 924
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion: 43 Resp: 317570
Ion Ratio Lower Upper
43 100
58 59.6 28.1 84.4

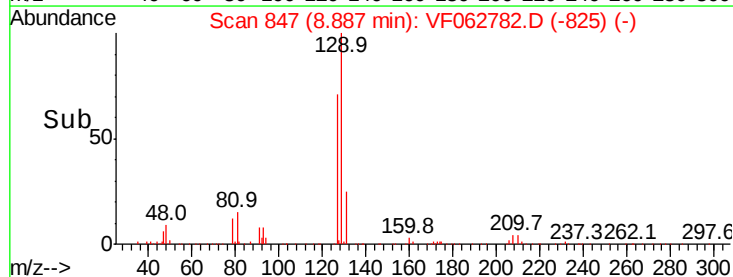
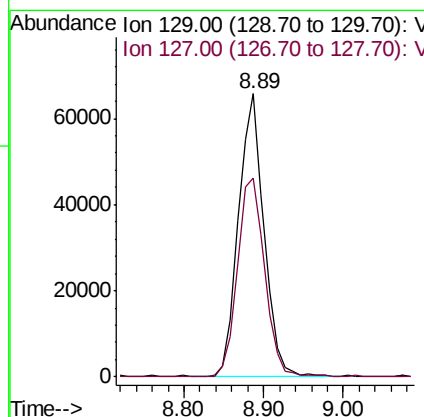
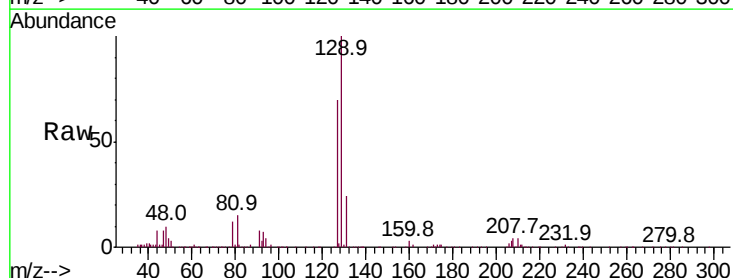
Manual Integrations
APPROVED

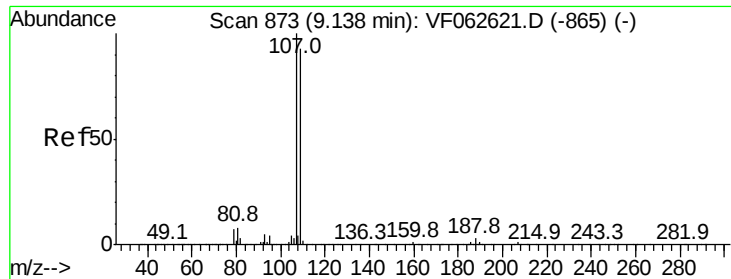
mmdadoda
5/30/2019 11:02:47 AM



#60
Dibromochloromethane
Concen: 23.001 ug/l
RT: 8.89 min Scan# 847
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion: 129 Resp: 146781
Ion Ratio Lower Upper
129 100
127 72.1 37.2 111.6





#61

1,2-Dibromoethane

Concen: 23.560 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 107 Resp: 122525

Ion Ratio Lower Upper

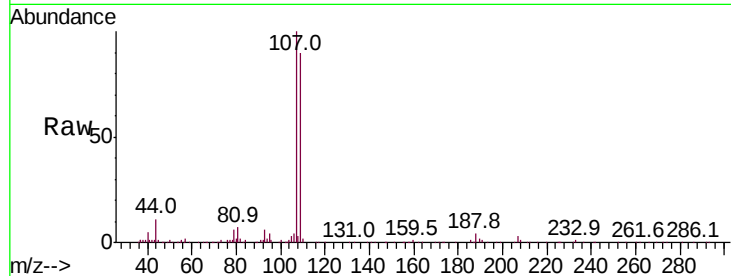
107 100

109 90.3 74.8 112.2

Manual Integrations
APPROVED

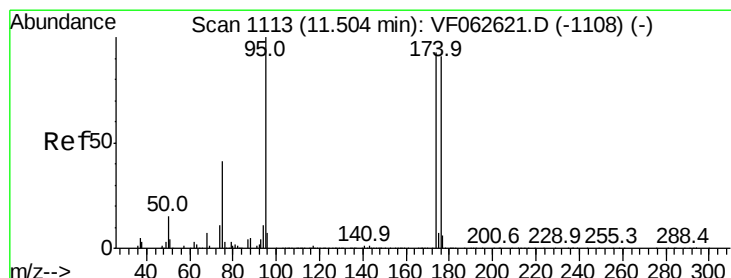
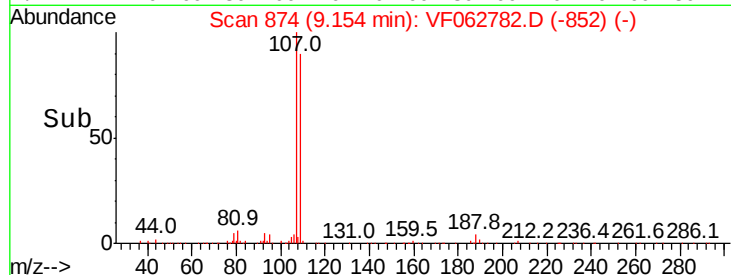
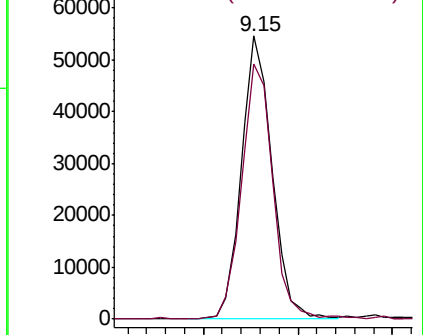
mmdadoda

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.121 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

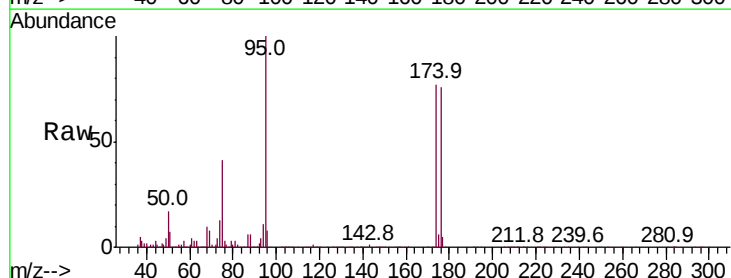
Tgt Ion: 95 Resp: 360990

Ion Ratio Lower Upper

95 100

174 77.5 0.0 185.6

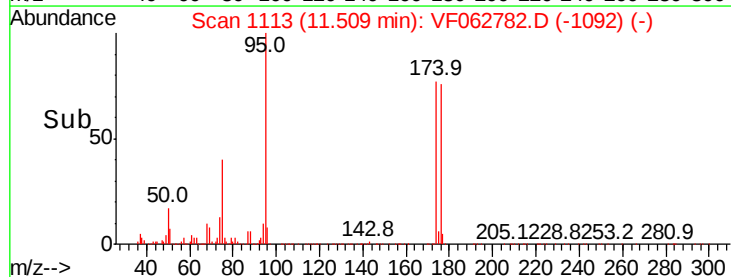
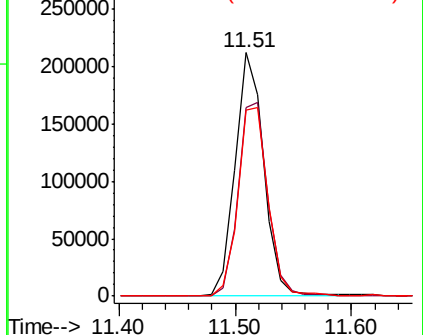
176 76.3 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





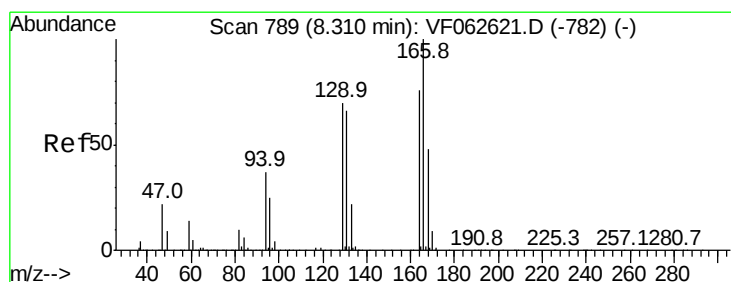
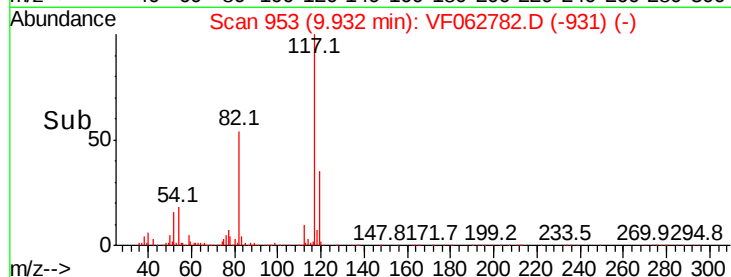
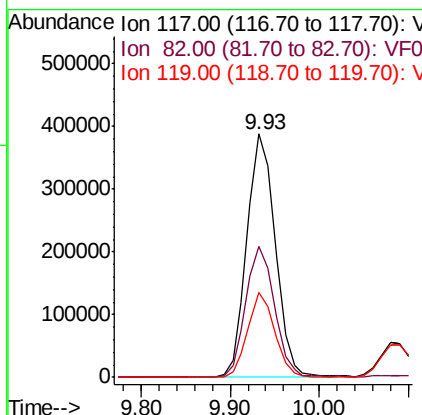
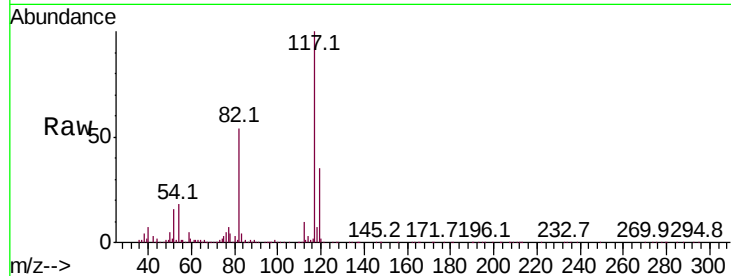
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	53.9	43.3	64.9	
119	34.7	27.4	41.0	

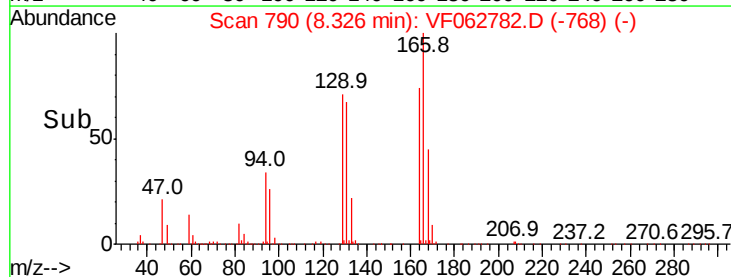
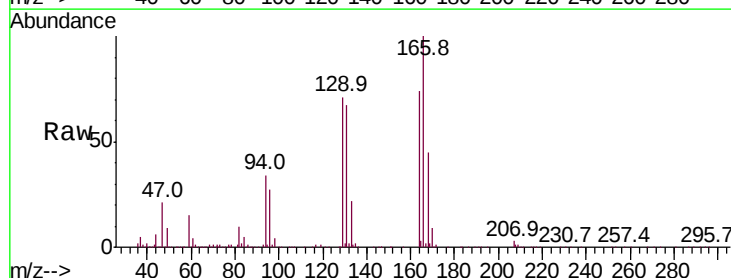
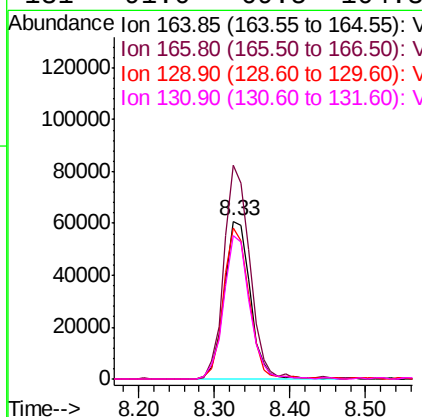
Manual Integrations
APPROVED

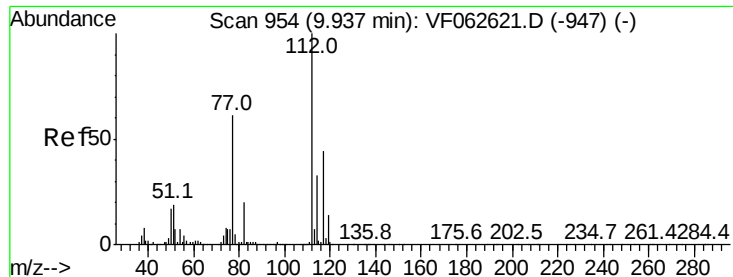
mmdadoda
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#64
Tetrachloroethene
Concen: 21.343 ug/l
RT: 8.33 min Scan# 790
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	135.6	105.5	158.3	
129	96.1	73.8	110.6	
131	91.0	69.5	104.3	





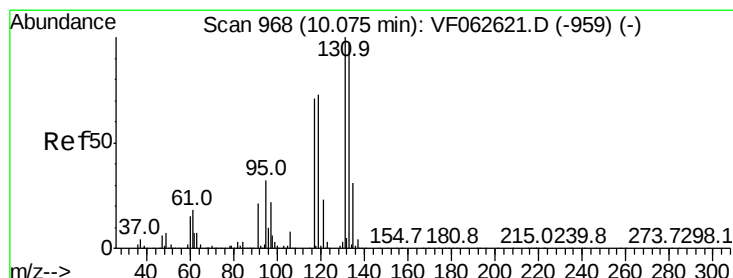
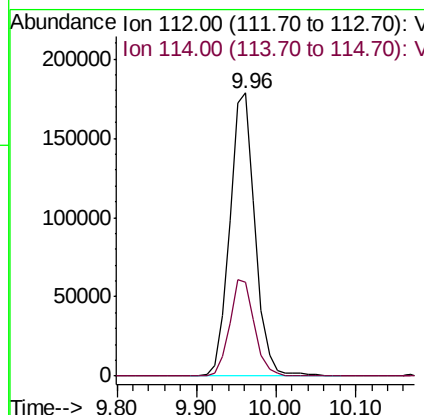
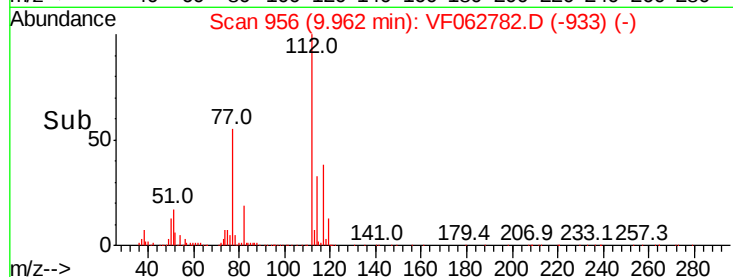
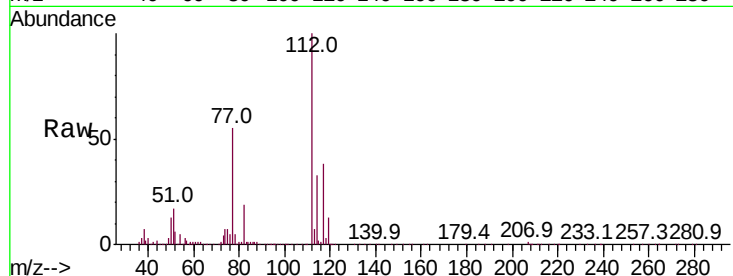
#65
Chlorobenzene
Concen: 23.647 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.03 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion:112 Resp: 398686
Ion Ratio Lower Upper
112 100
114 33.2 26.8 40.2

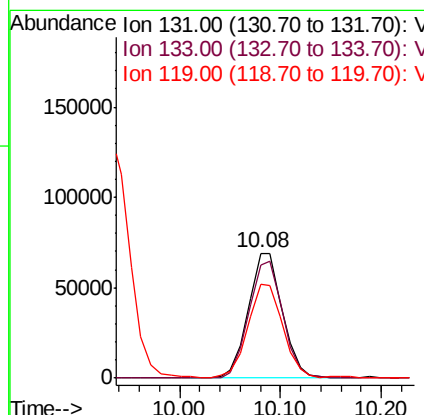
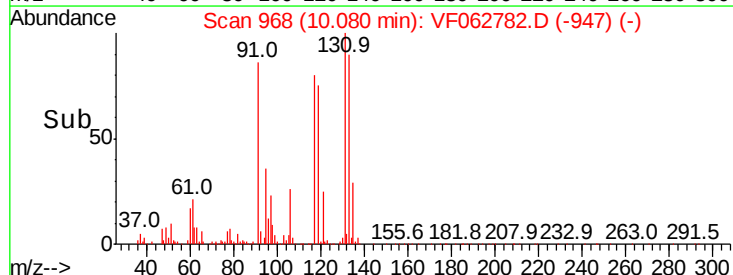
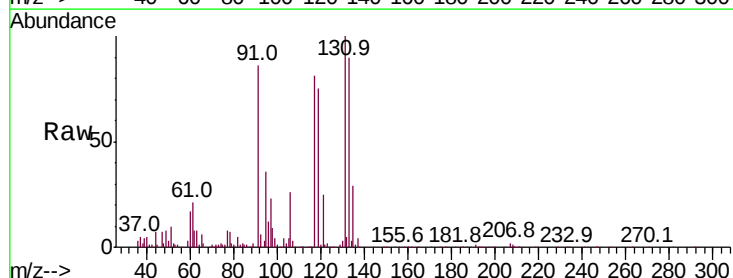
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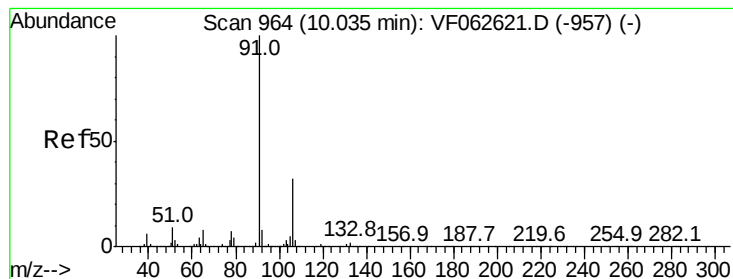
mmdadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 24.038 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion:131 Resp: 162697
Ion Ratio Lower Upper
131 100
133 90.3 48.5 145.5
119 74.9 36.8 110.4





#67

Ethyl Benzene

Concen: 24.180 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 91 Resp: 708211

Ion Ratio Lower Upper

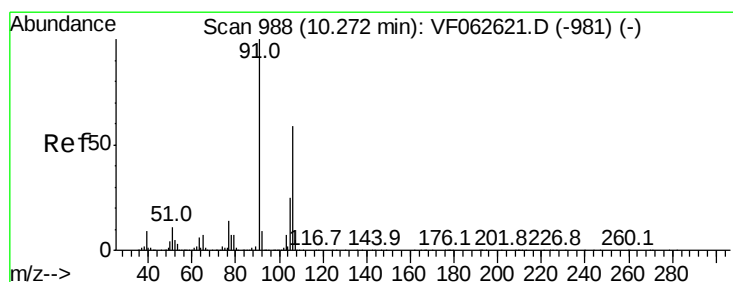
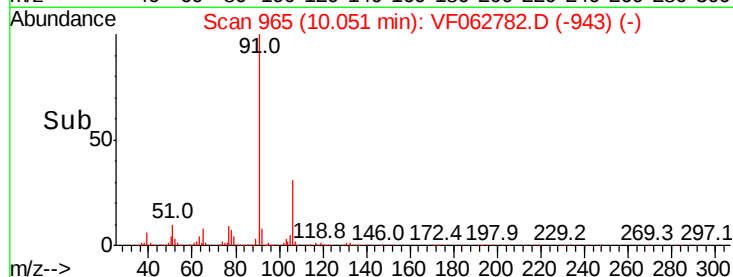
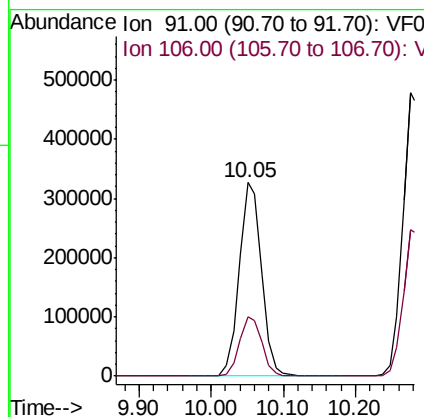
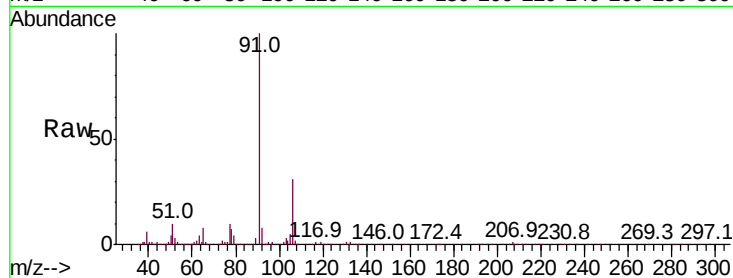
91 100

106 30.7 25.8 38.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 48.626 ug/l

RT: 10.28 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF062782.D

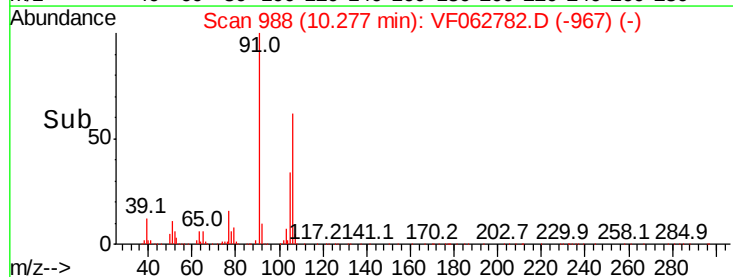
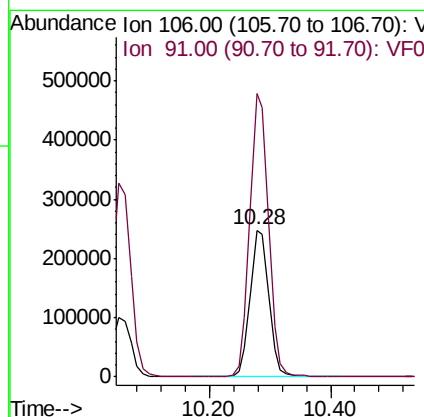
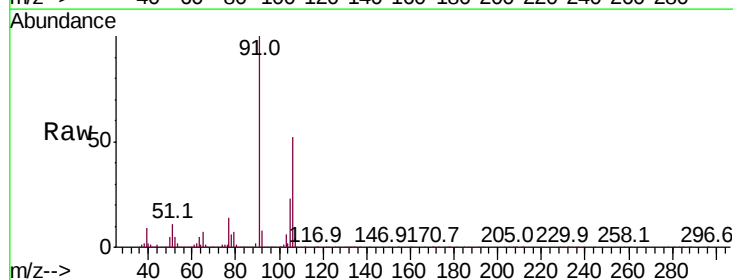
Acq: 29 May 2019 15:10

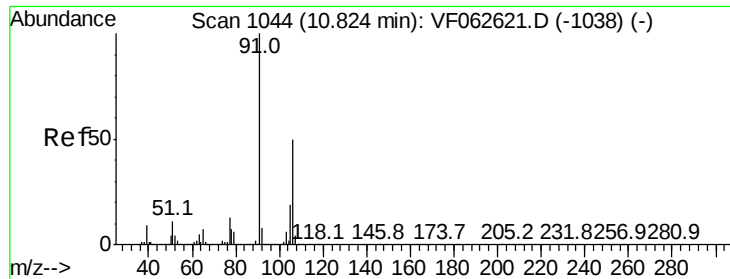
Tgt Ion: 106 Resp: 535289

Ion Ratio Lower Upper

106 100

91 193.3 136.9 205.3





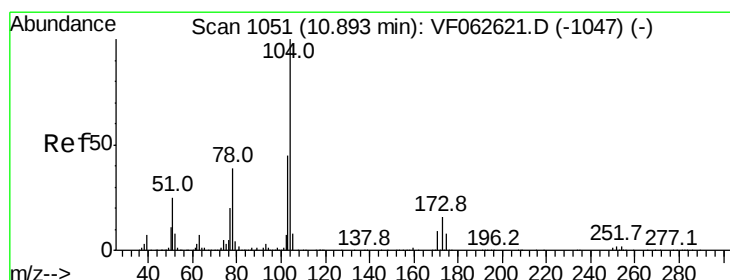
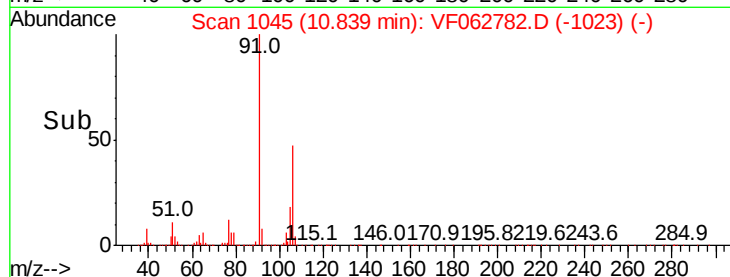
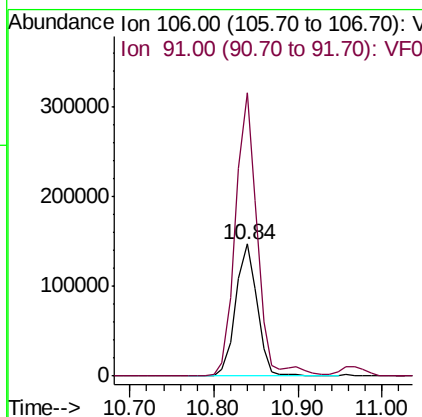
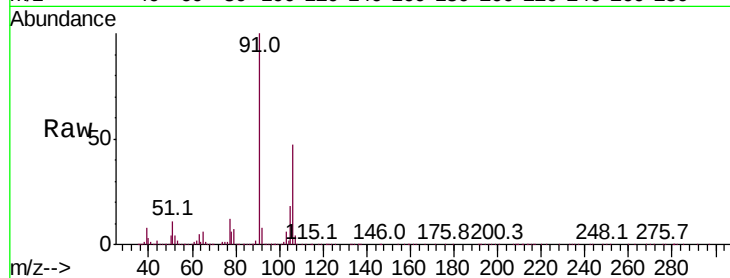
#69
o-Xylene
Concen: 23.121 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBSD03

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.3	100.2	300.5

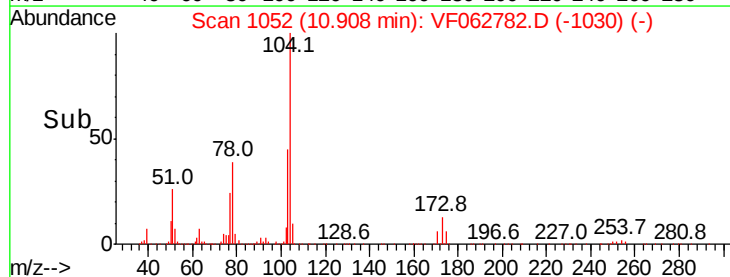
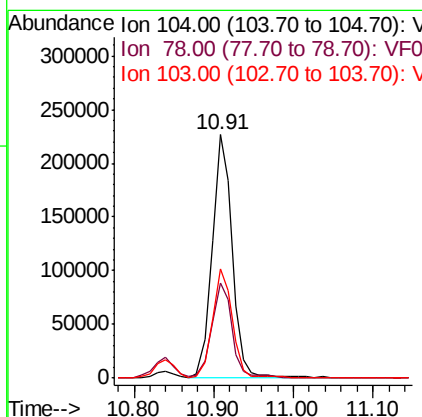
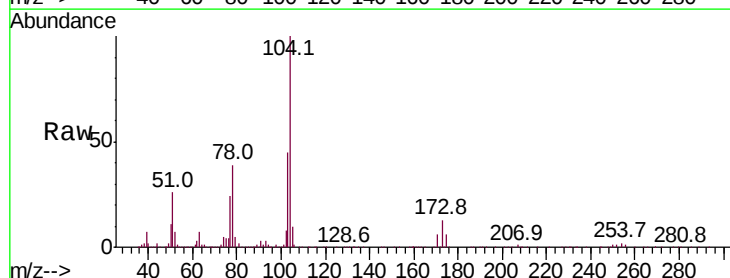
Manual Integrations
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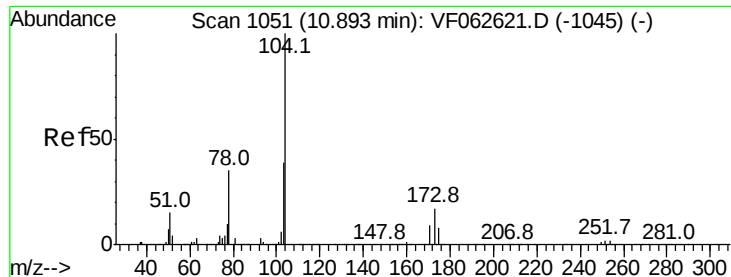
mmdadoda
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#70
Styrene
Concen: 23.220 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Lower	Upper
104	100		
78	39.1	31.9	47.9
103	45.1	36.1	54.1





#71

Bromoform

Concen: 23.279 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

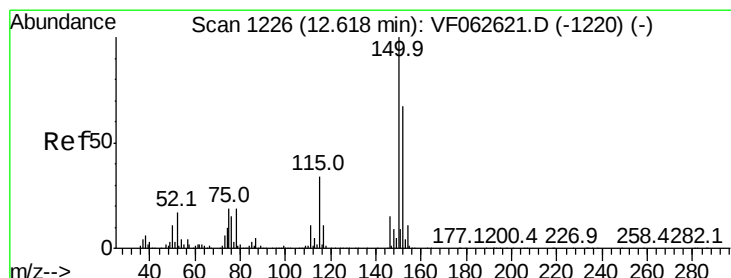
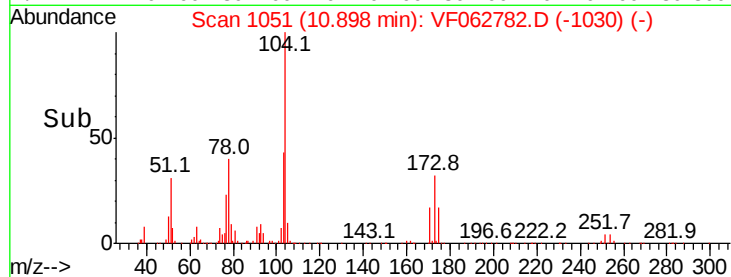
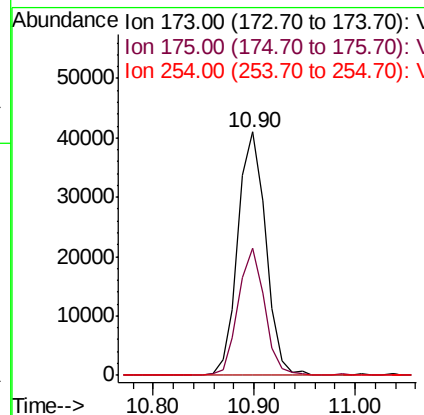
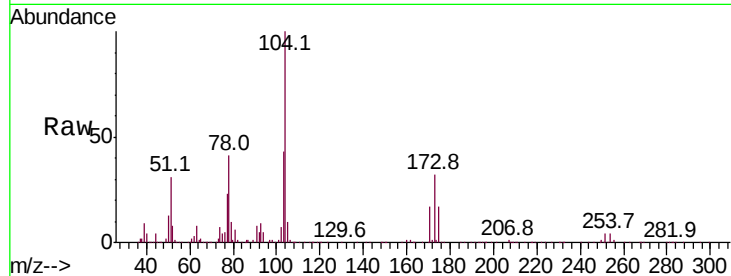
ClientSampleId :

VF0529SBS03

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.4	25.3	75.9
254	0.0	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

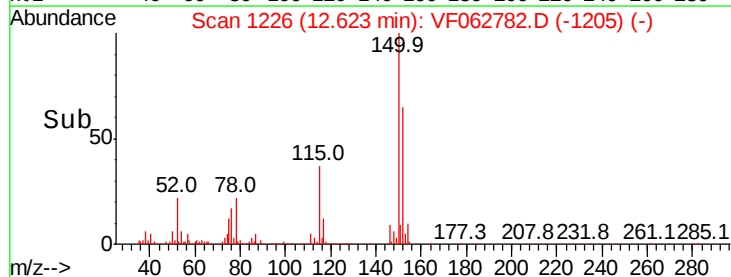
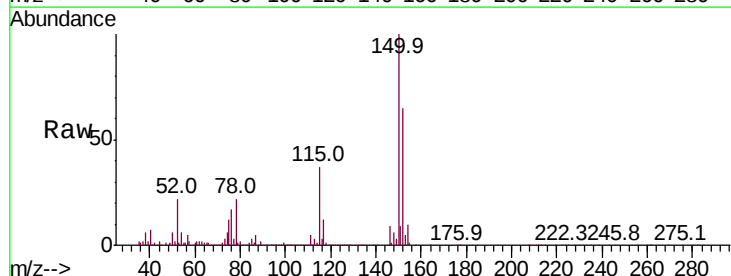
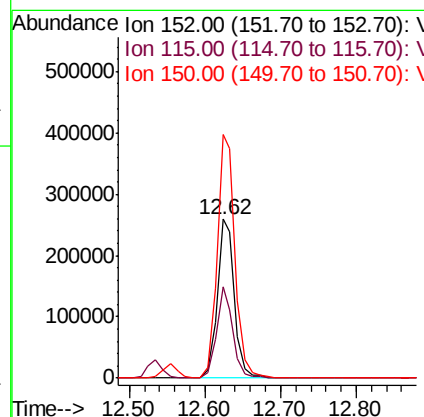
RT: 12.62 min Scan# 1226

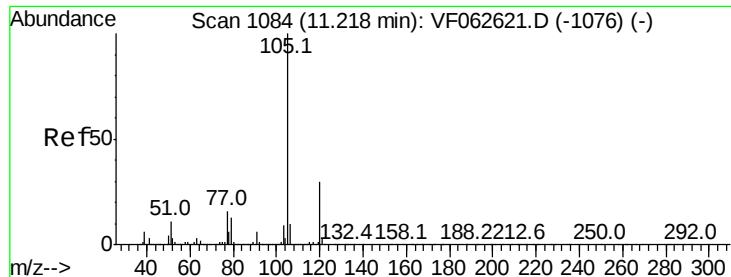
Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	25.2	75.6
150	153.1	0.0	306.2





#73

Isopropylbenzene

Concen: 24.232 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion:105 Resp: 713400

Ion Ratio Lower Upper

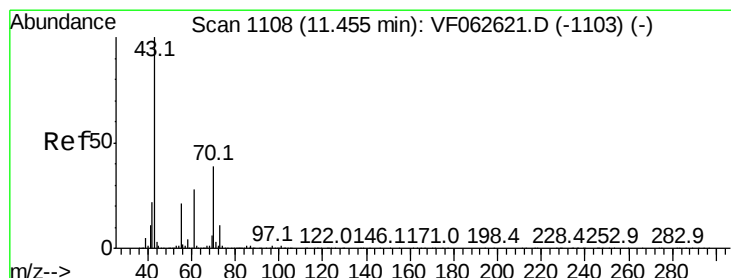
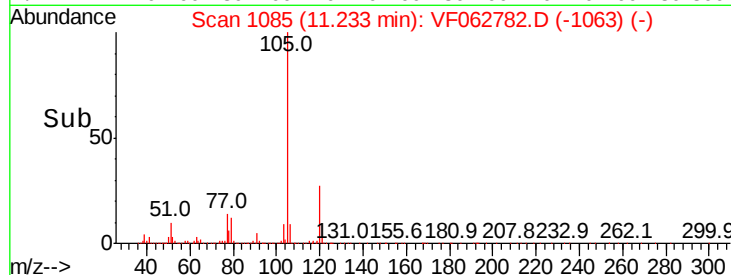
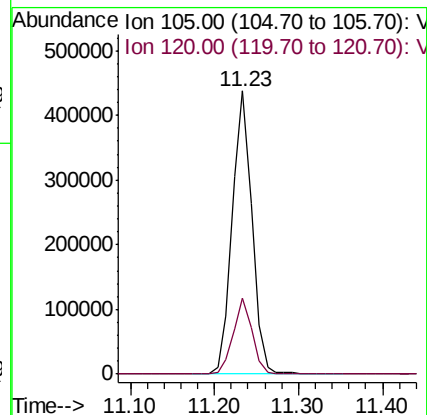
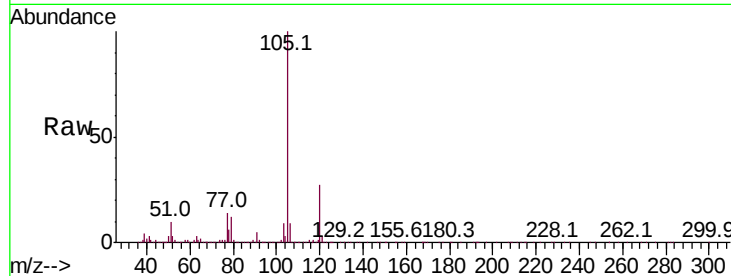
105 100

120 26.9 14.8 44.4

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#74

N-ethyl acetate

Concen: 23.838 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Tgt Ion: 43 Resp: 199716

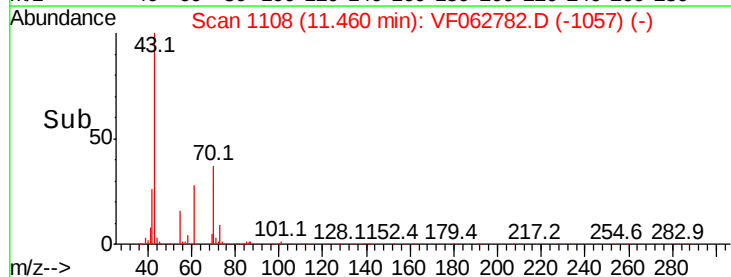
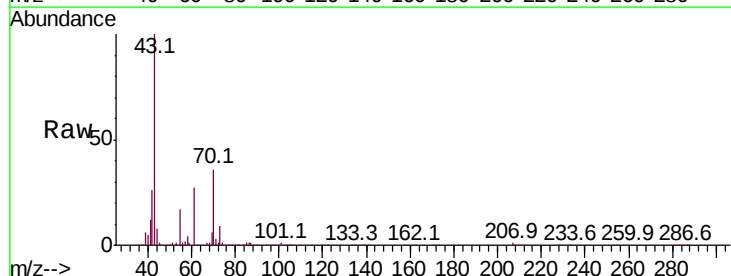
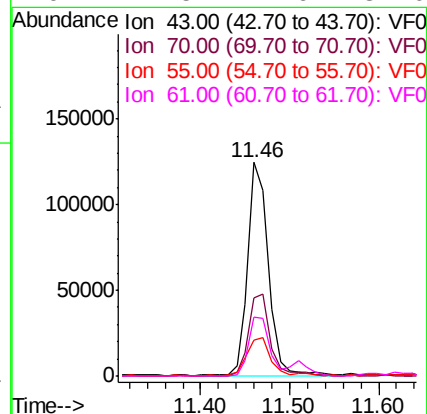
Ion Ratio Lower Upper

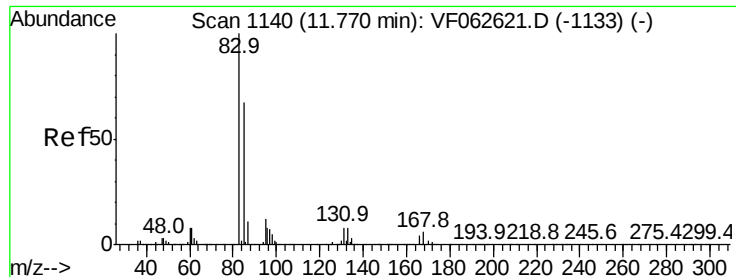
43 100

70 36.3 30.9 46.3

55 17.0 17.0 25.4

61 27.5 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 25.122 ug/l

RT: 11.79 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

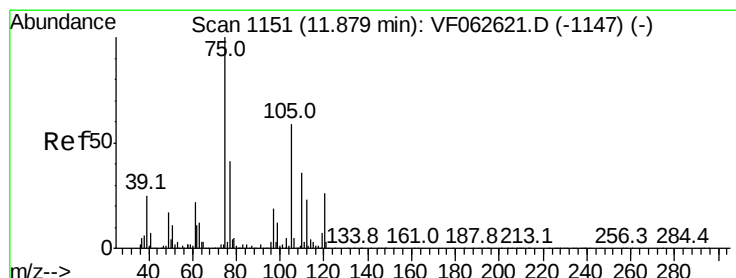
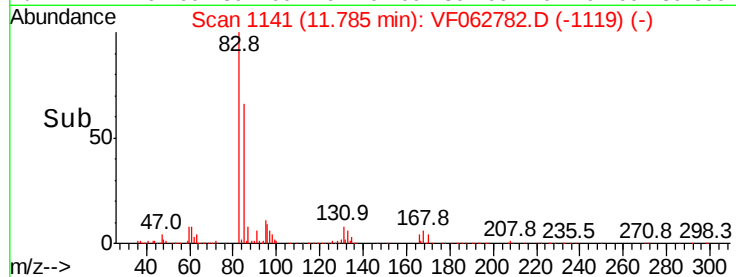
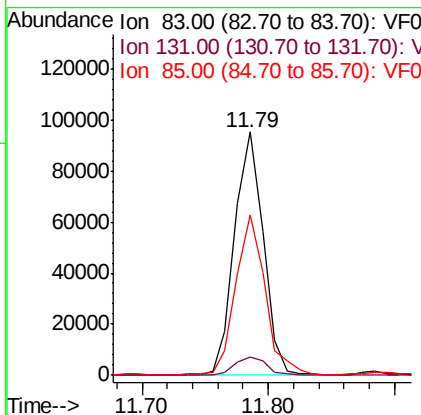
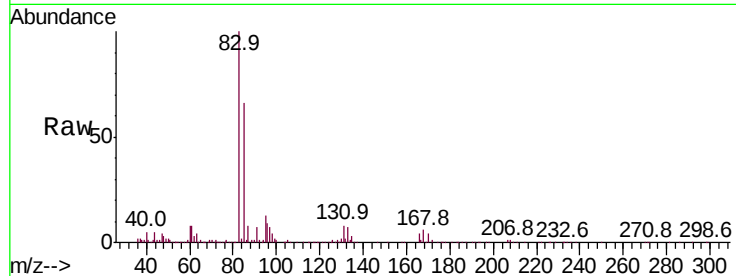
ClientSampleId :

VF0529SBS03

Tot Ion:	83	Resp:	151150
Ion Ratio	Lower	Upper	
83	100		
131	7.8	4.0	12.0
85	65.8	33.5	100.5

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#76

1,2,3-Trichloropropane

Concen: 25.504 ug/l

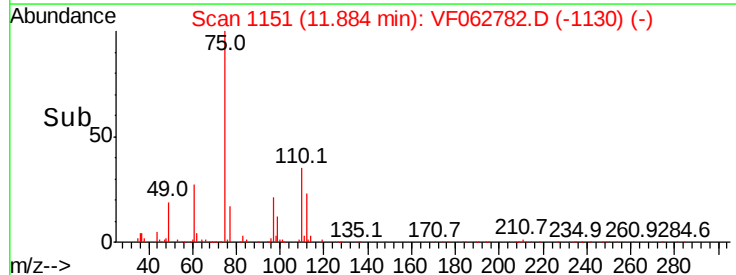
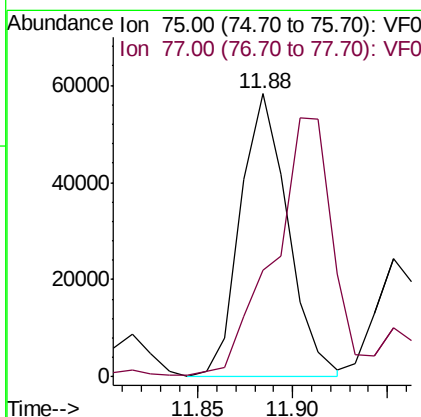
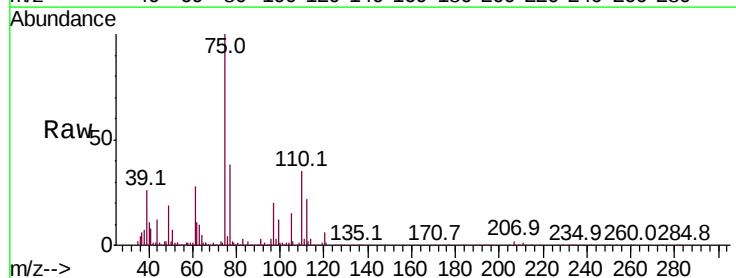
RT: 11.88 min Scan# 1151

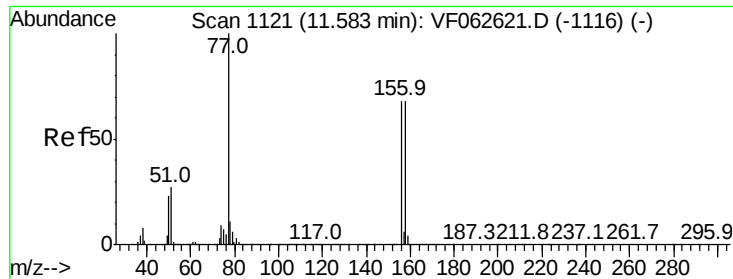
Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Tgt Ion:	75	Resp:	100823
Ion Ratio	Lower	Upper	
75	100		
77	37.7	20.6	61.8





#77

Bromobenzene

Concen: 23.135 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

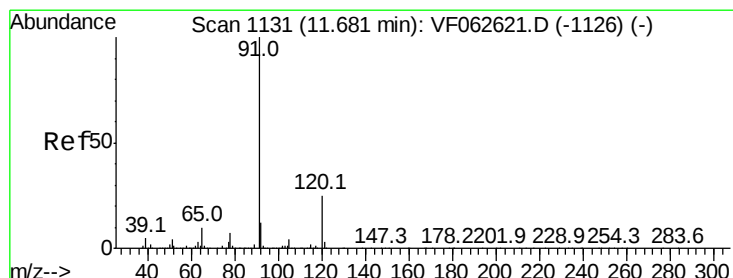
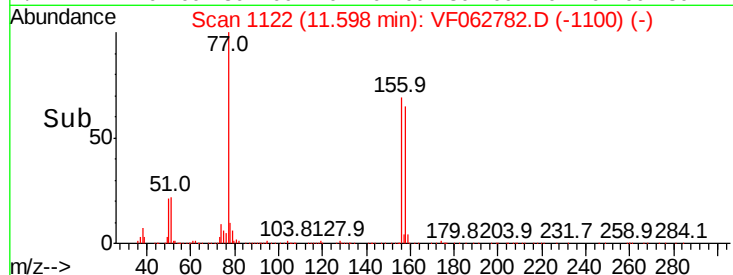
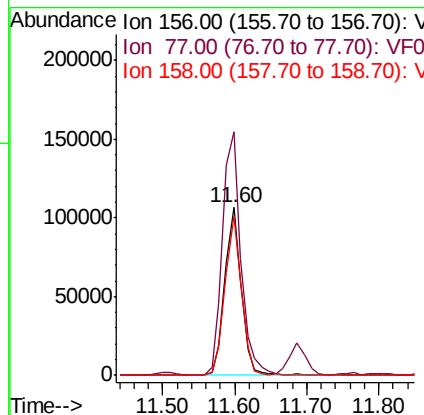
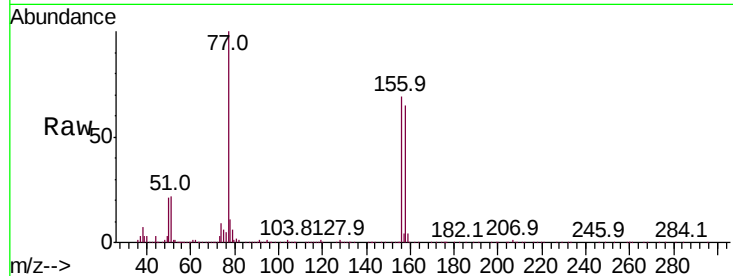
ClientSampleId :

VF0529SBS03

Tot Ion:	156	Resp:	169299
Ion Ratio	Lower	Upper	
156	100		
77	145.1	73.6	220.8
158	94.6	49.6	148.8

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#78

n-propylbenzene

Concen: 24.247 ug/l

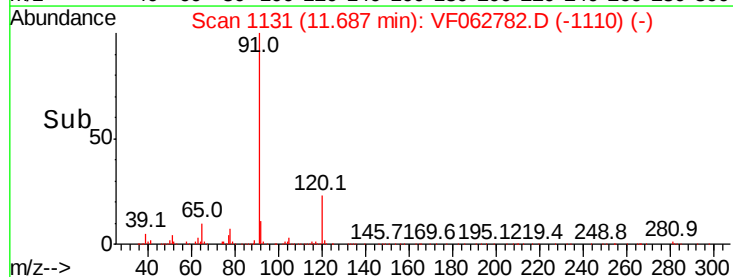
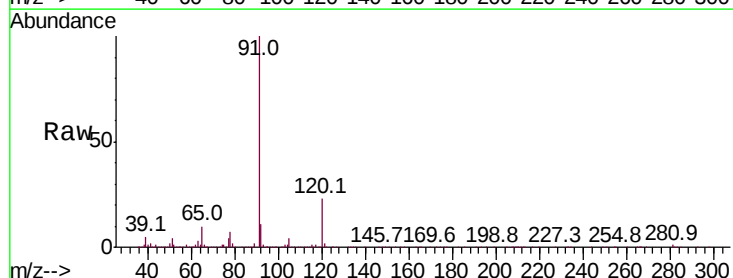
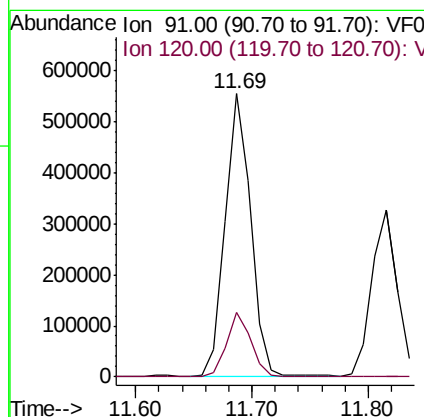
RT: 11.69 min Scan# 1131

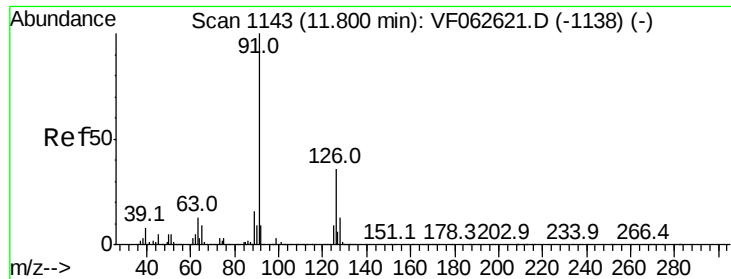
Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Tgt Ion:	91	Resp:	844802
Ion Ratio	Lower	Upper	
91	100		
120	22.7	12.7	38.1





#79

2-Chlorotoluene

Concen: 25.174 ug/l

RT: 11.82 min Scan# 1144

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBSD03

Tot Ion: 91 Resp: 494306

Ion Ratio Lower Upper

91 100

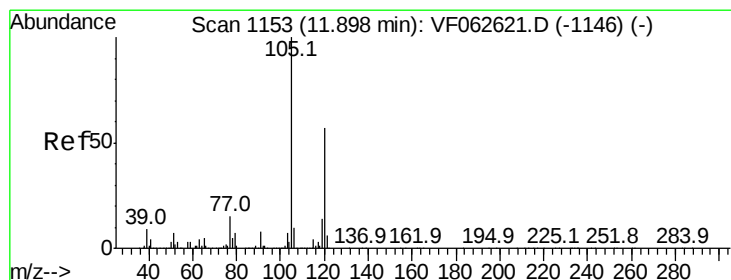
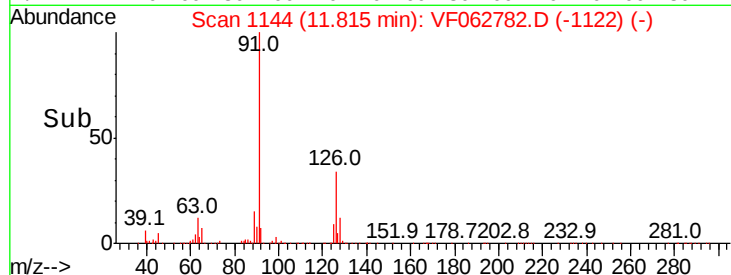
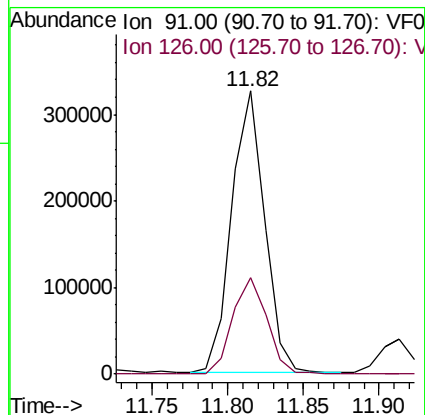
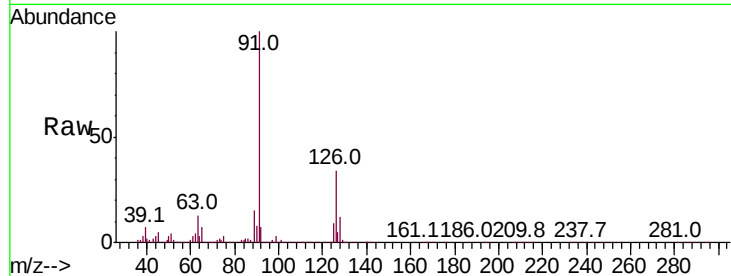
126 34.1 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 25.102 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.02 min

Lab File: VF062782.D

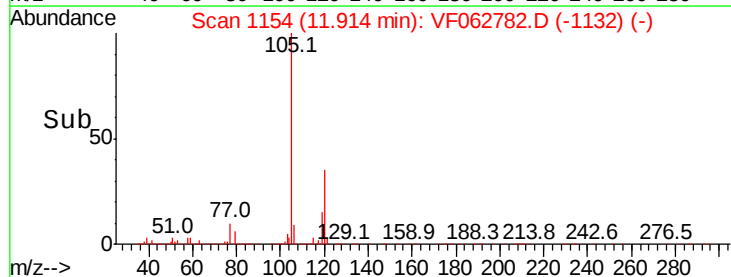
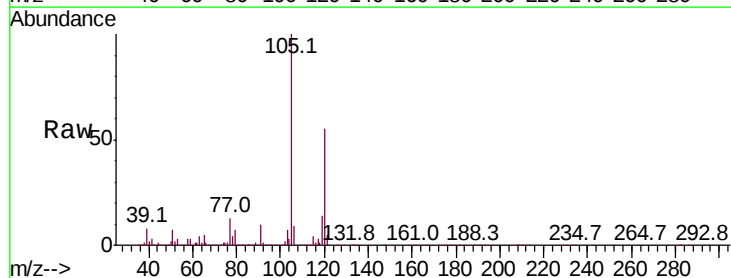
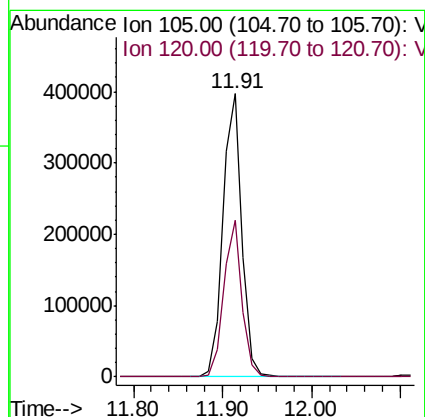
Acq: 29 May 2019 15:10

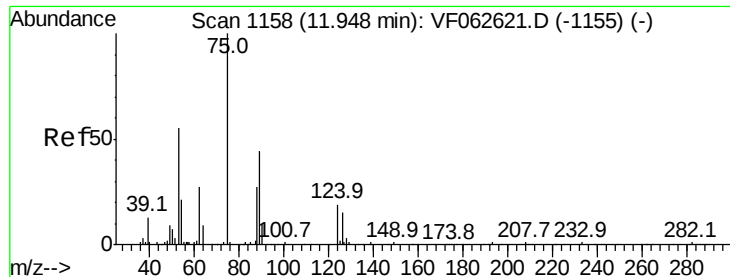
Tgt Ion: 105 Resp: 592577

Ion Ratio Lower Upper

105 100

120 55.2 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 22.766 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

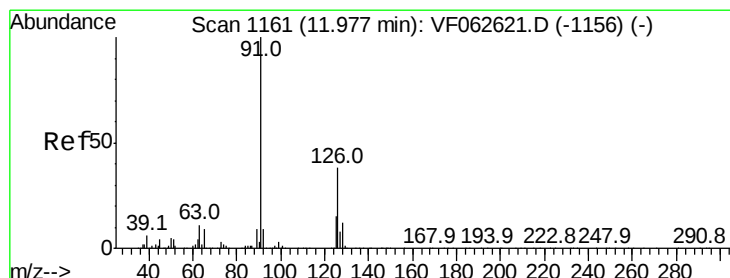
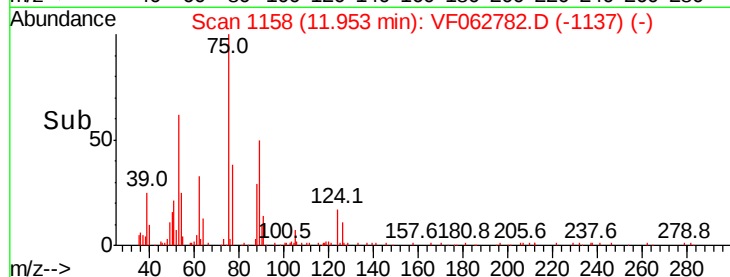
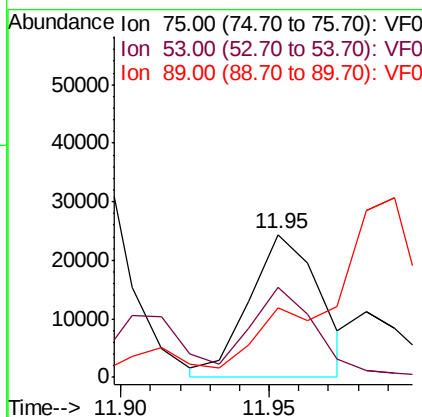
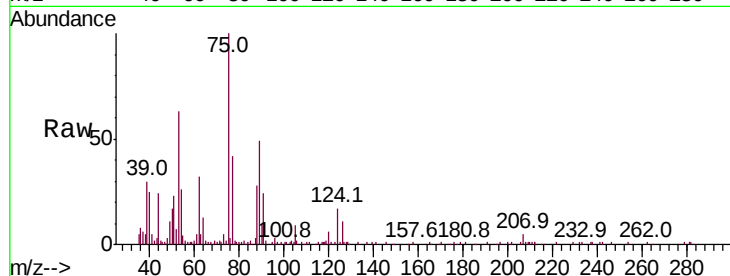
ClientSampleId :

VF0529SBSD03

Tot Ion:	75	Resp:	40006
Ion Ratio	Lower	Upper	
75	100		
53	63.1	46.9	70.3
89	49.1	36.4	54.6

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#82

4-Chlorotoluene

Concen: 26.087 ug/l

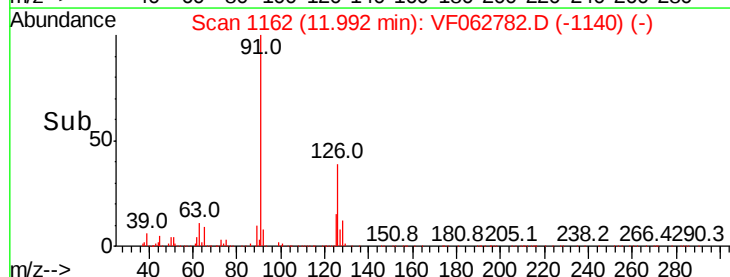
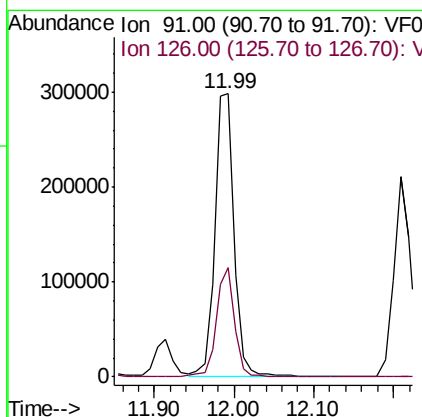
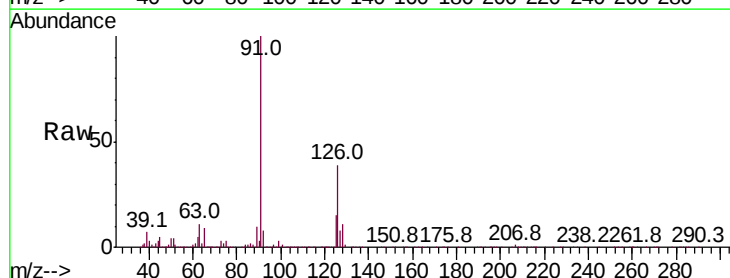
RT: 11.99 min Scan# 1162

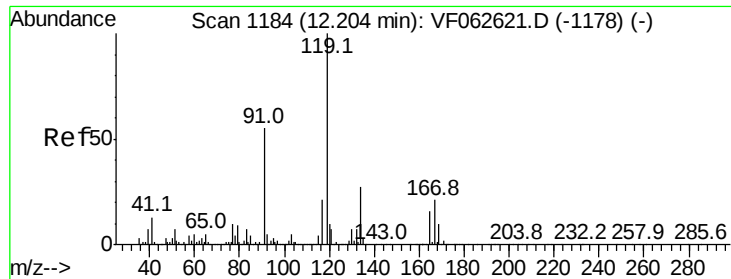
Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Tgt Ion:	91	Resp:	505123
Ion Ratio	Lower	Upper	
91	100		
126	38.6	19.1	57.1





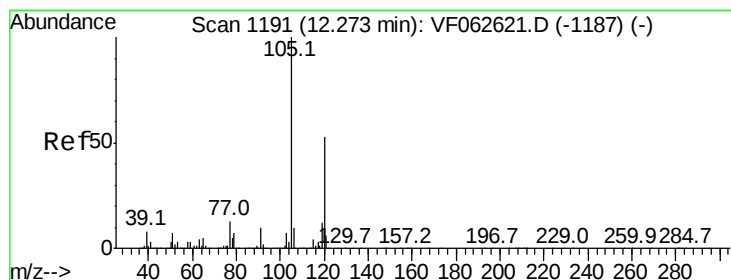
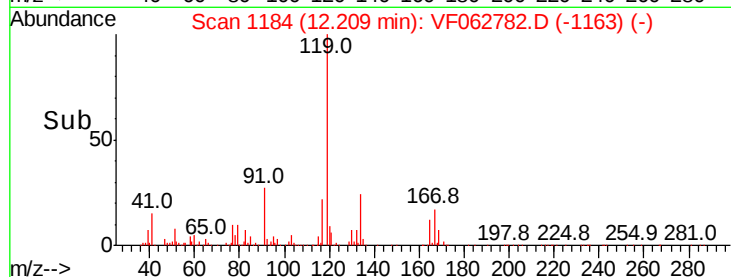
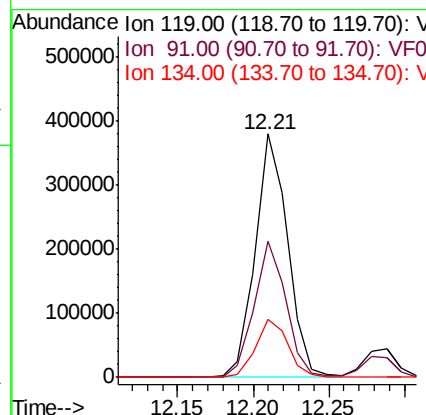
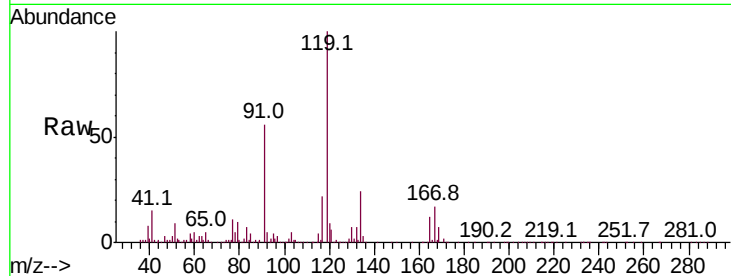
#83
tert-Butylbenzene
Concen: 23.736 ug/l
RT: 12.21 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	568485		
91	55.8	27.3	81.9	
134	23.7	13.6	40.7	

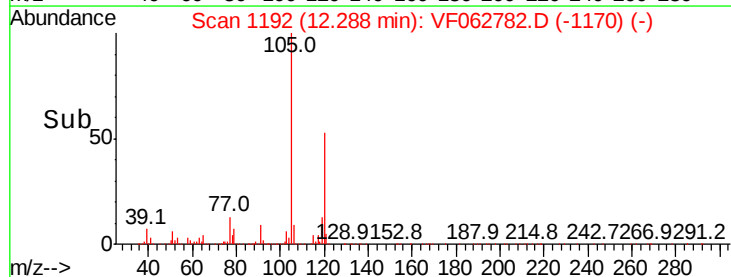
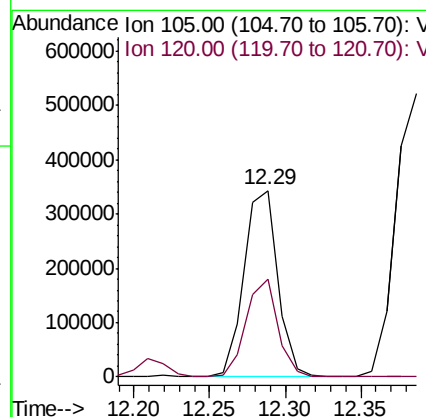
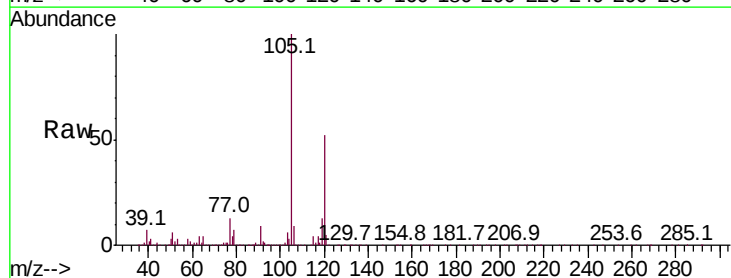
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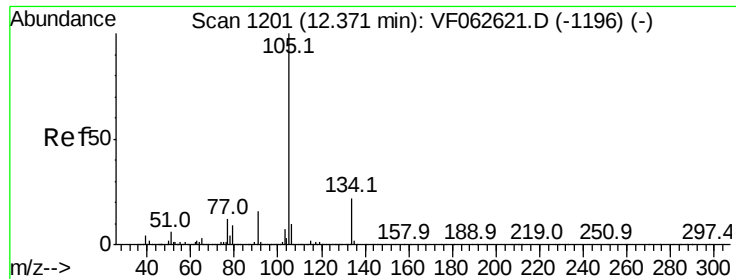
mmdadoda
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#84
1,2,4-Trimethylbenzene
Concen: 23.286 ug/l
RT: 12.29 min Scan# 1192
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	532042		
120	52.5	26.7	80.1	





#85

sec-Butylbenzene

Concen: 24.206 ug/l

RT: 12.39 min Scan# 1202

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion:105 Resp: 778008

Ion Ratio Lower Upper

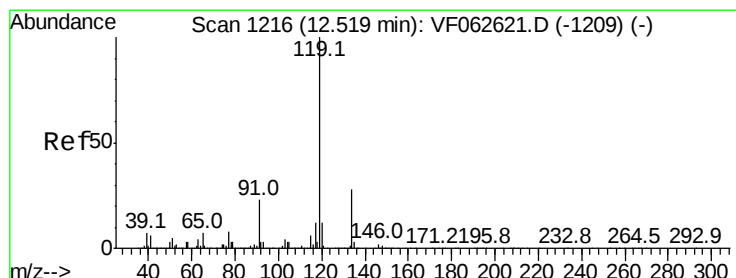
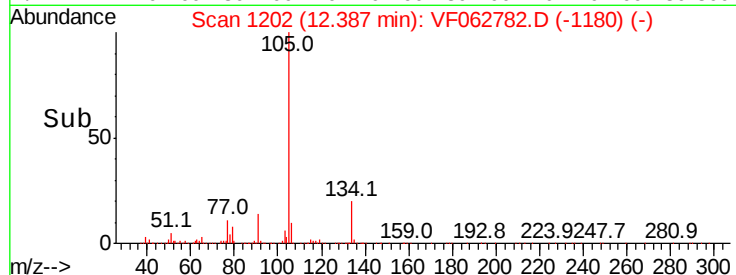
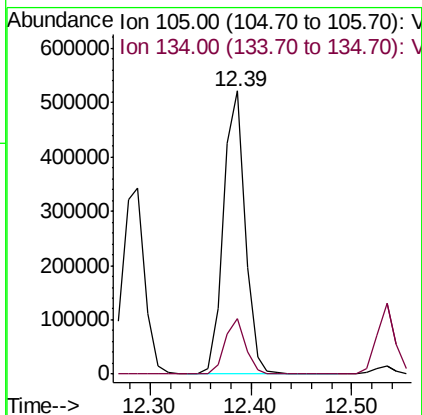
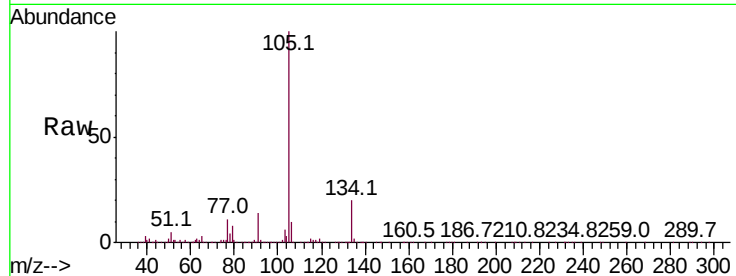
105 100

134 19.6 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 23.612 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

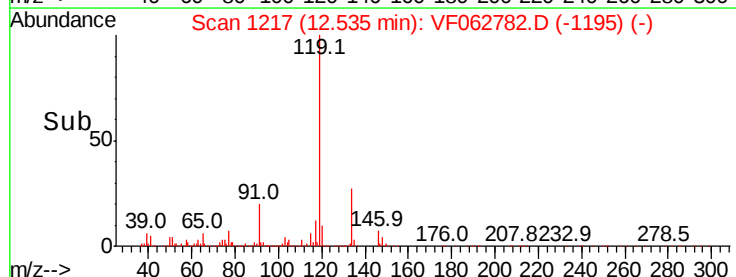
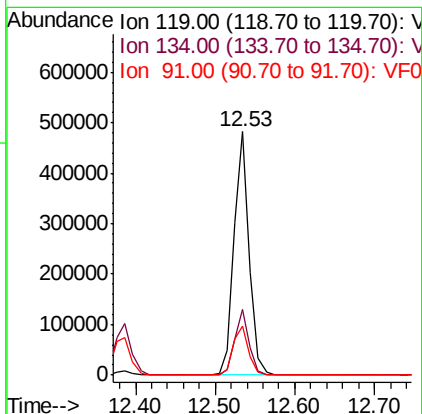
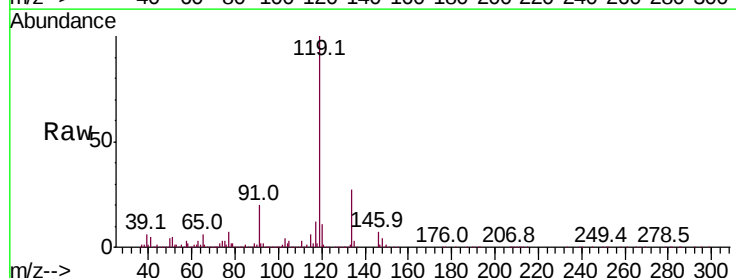
Tgt Ion:119 Resp: 639582

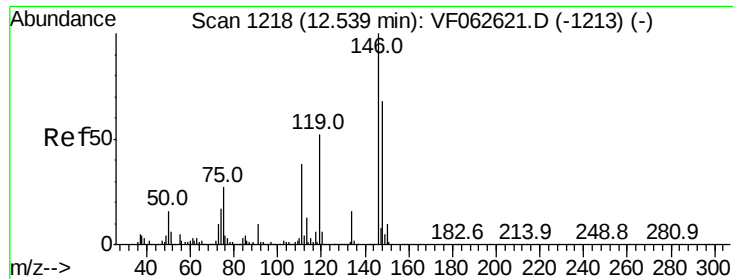
Ion Ratio Lower Upper

119 100

134 27.1 14.1 42.3

91 20.3 11.4 34.2





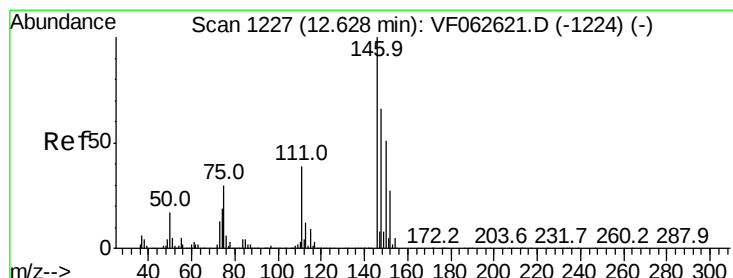
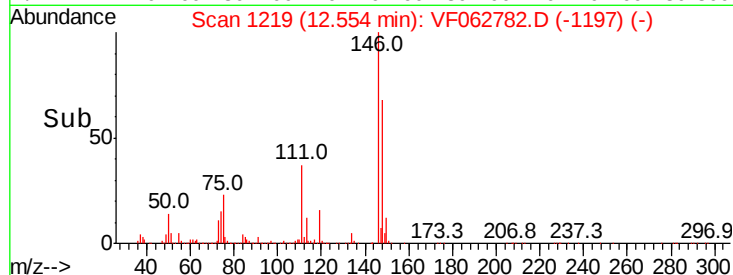
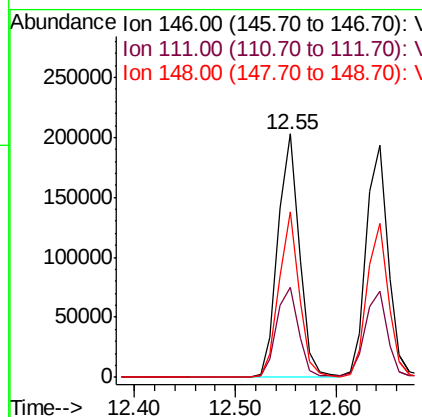
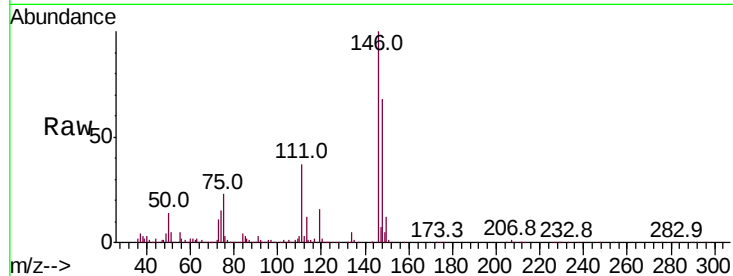
#87
 1,3-Dichlorobenzene
 Concen: 22.588 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.02 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.9
148	68.1	34.0	101.8

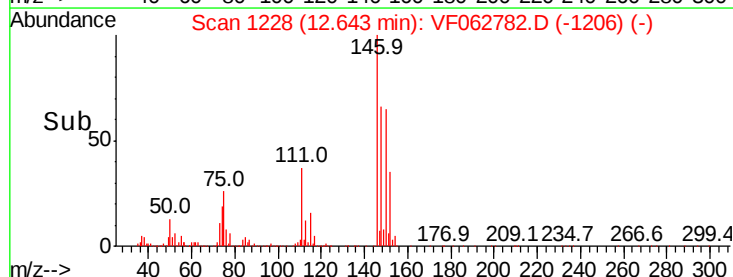
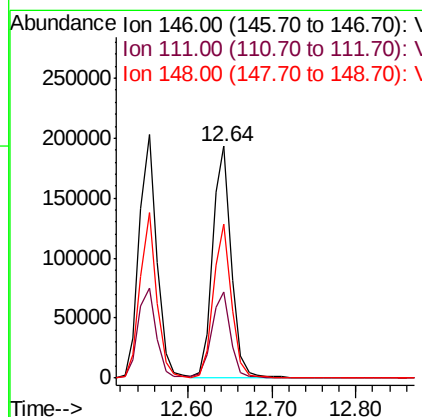
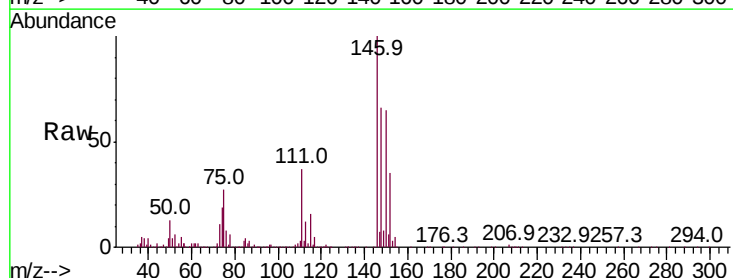
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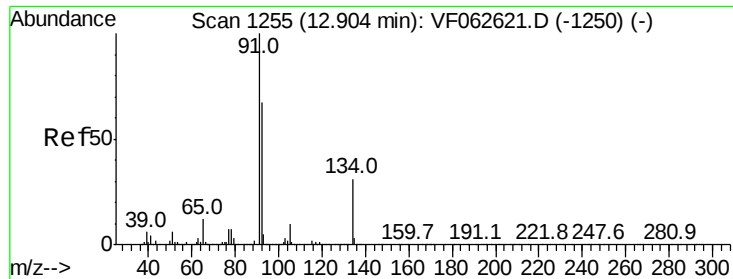
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#88
 1,4-Dichlorobenzene
 Concen: 23.891 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.02 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.4	58.2
148	66.4	33.2	99.6





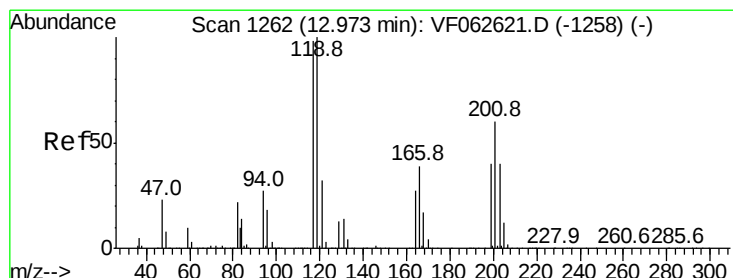
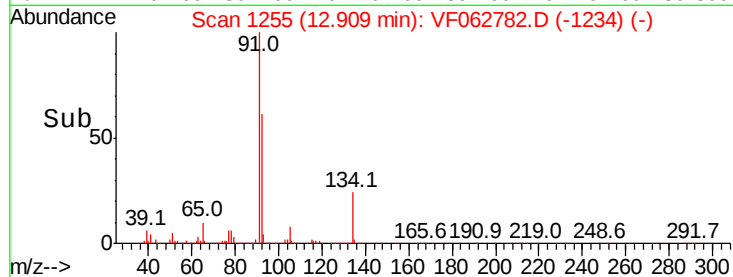
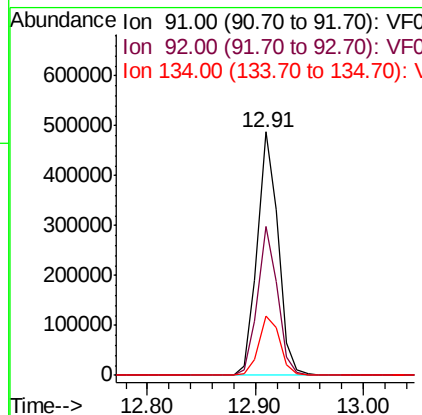
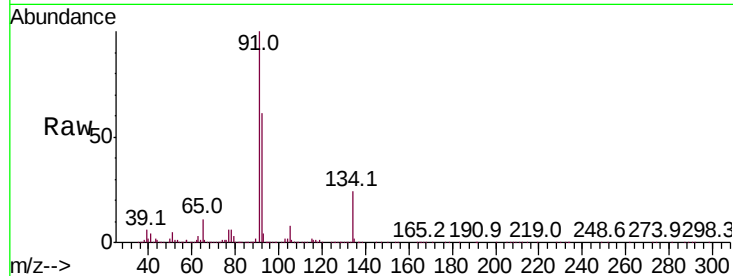
#89
n-Butylbenzene
Concen: 24.638 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion:	91	Resp:	658019
Ion Ratio	Lower	Upper	
91	100		
92	61.3	33.3	99.8
134	24.3	15.4	46.4

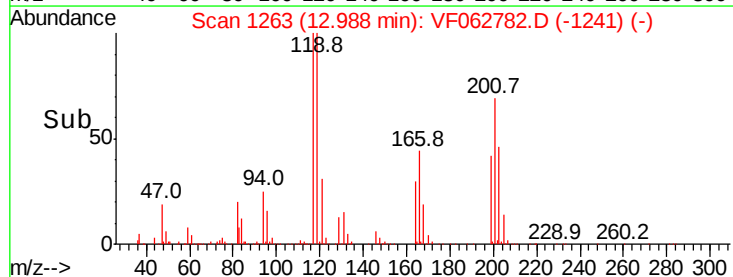
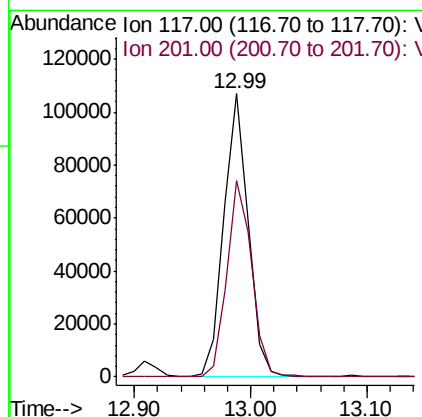
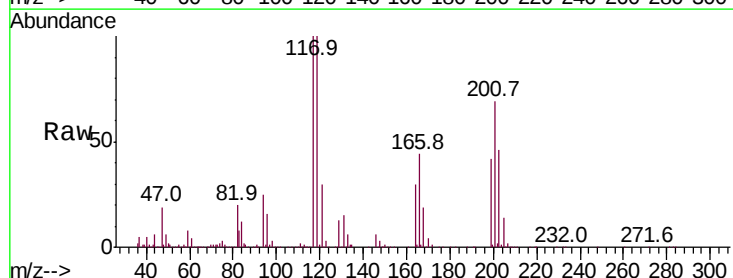
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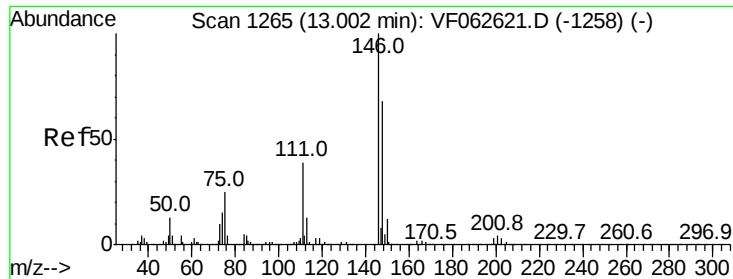
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#90
Hexachloroethane
Concen: 23.908 ug/l
RT: 12.99 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion:	117	Resp:	155356
Ion Ratio	Lower	Upper	
117	100		
201	69.2	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 23.373 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

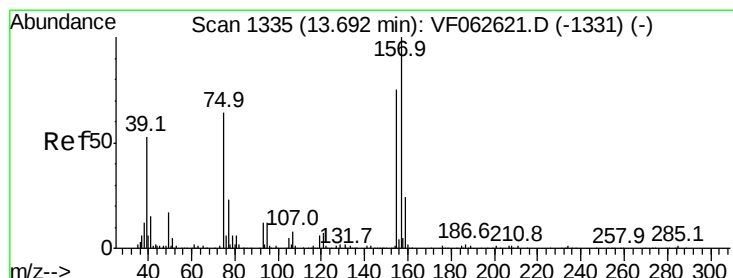
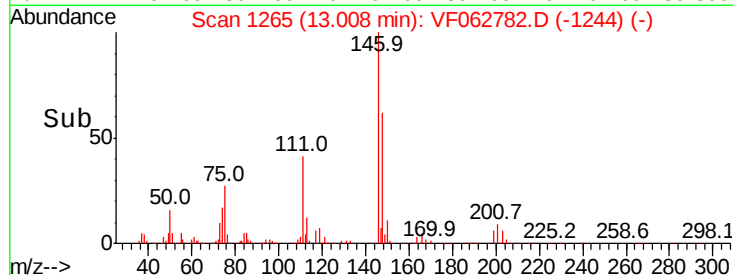
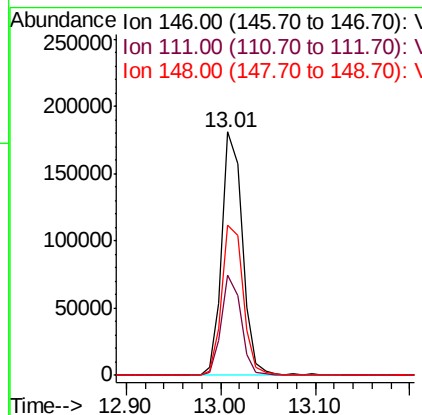
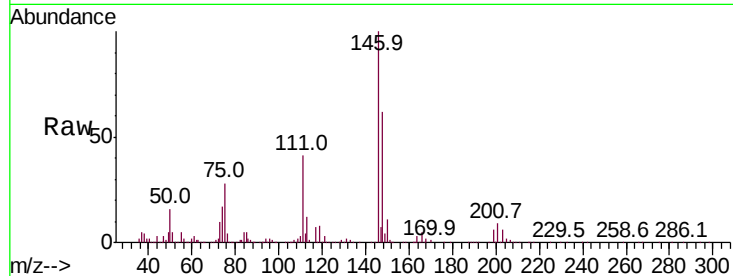
ClientSampleId :

VF0529SBS03

Tot Ion:	146	Resp:	275845
Ion Ratio	Lower	Upper	
146	100		
111	41.1	19.8	59.3
148	61.9	34.1	102.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 23.912 ug/l

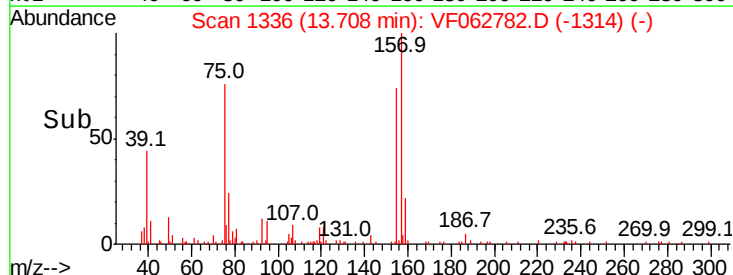
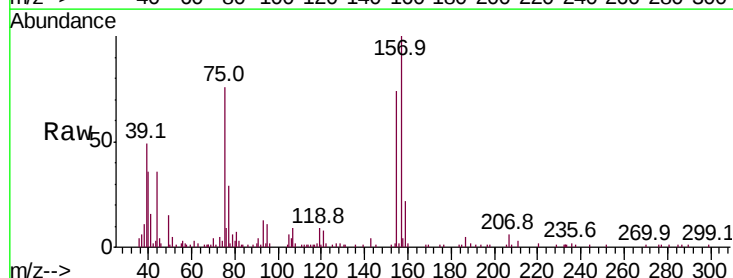
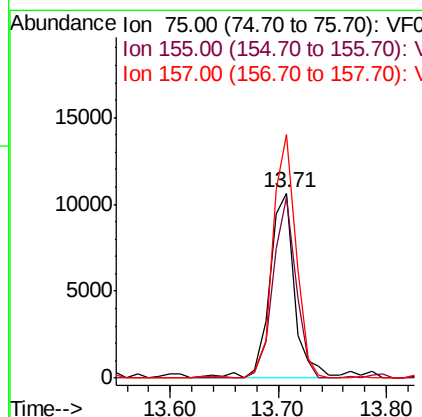
RT: 13.71 min Scan# 1336

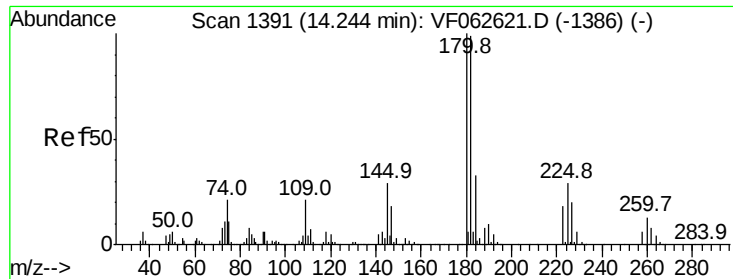
Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Tgt Ion:	75	Resp:	17163
Ion Ratio	Lower	Upper	
75	100		
155	97.7	58.1	174.3
157	131.5	77.8	233.4





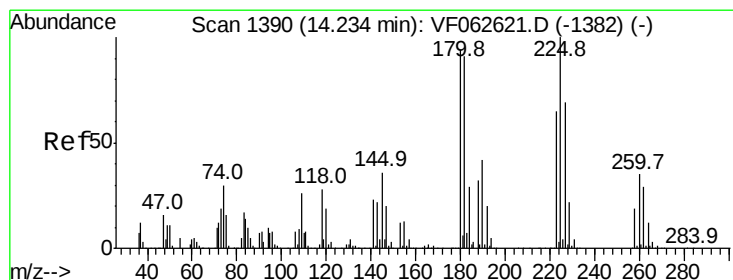
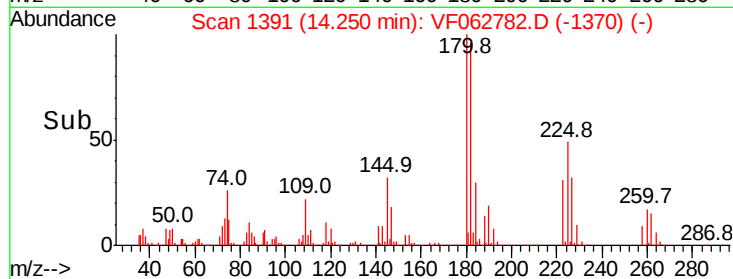
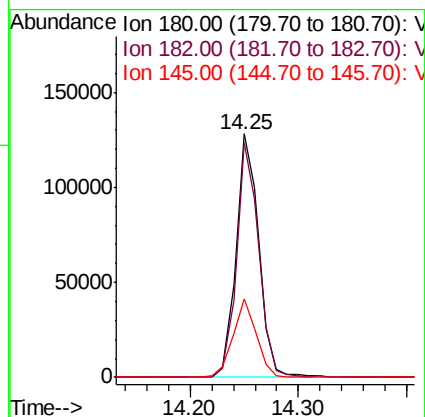
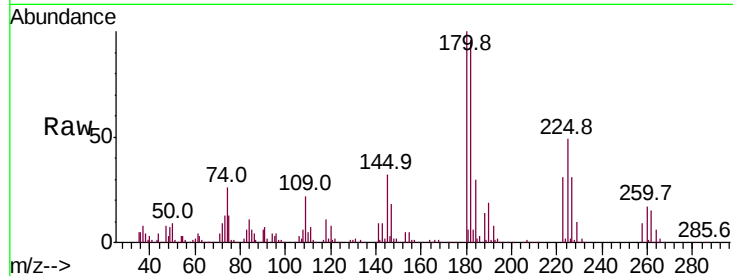
#93
 1,2,4-Trichlorobenzene
 Concen: 22.196 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	187504		
182	96.4	49.7	149.1	
145	32.4	14.6	44.0	

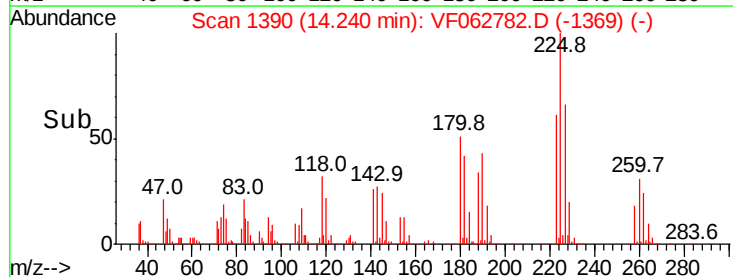
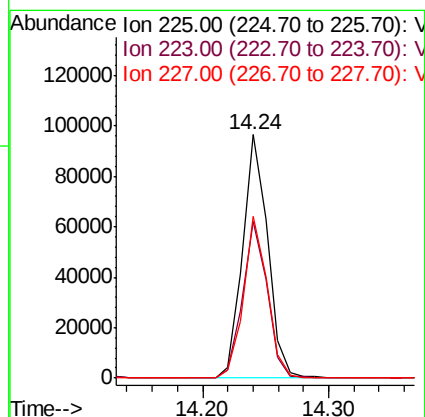
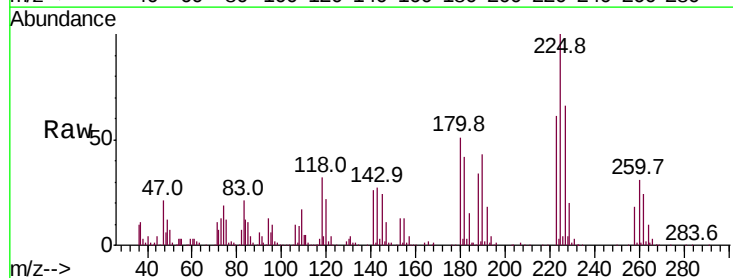
Manual Integrations
 APPROVED

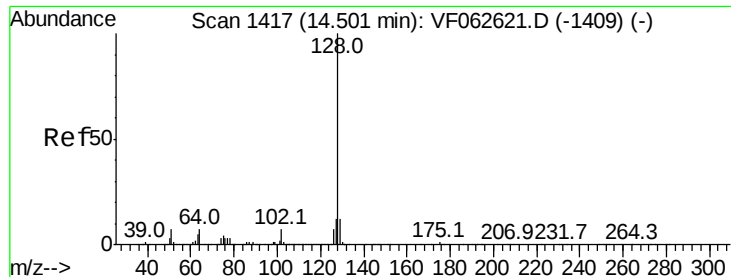
mmdadoda
 5/30/2019 11:02:47 AM



#94
 Hexachlorobutadiene
 Concen: 22.463 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	132431		
223	64.4	32.5	97.4	
227	66.2	34.5	103.5	





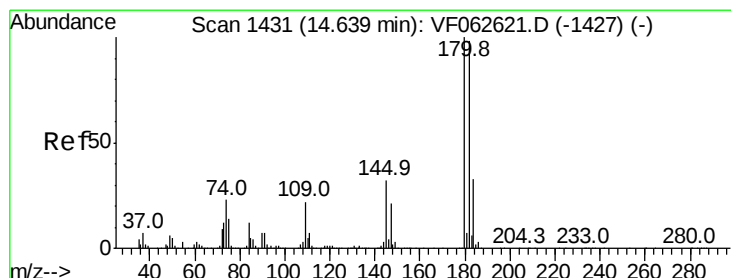
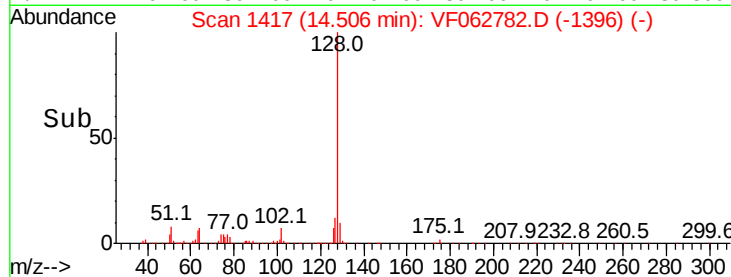
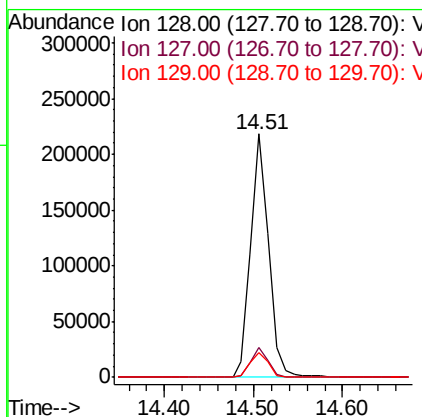
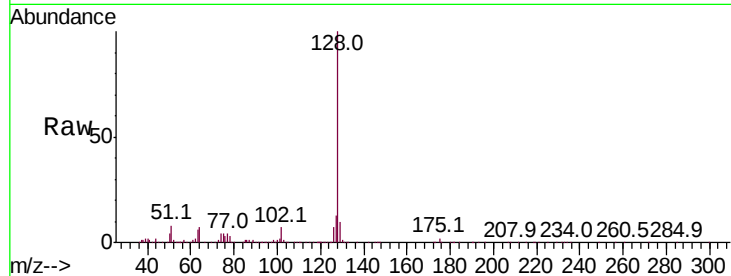
#95
Naphthalene
Concen: 19.832 ug/l
RT: 14.51 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	Ratio	Resp	Lower	Upper
128	100	304356		
127	12.5		9.7	14.5
129	10.3		9.3	13.9

Manual Integrations
APPROVED

mmdadoda
5/30/2019 11:02:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.675 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	165438		
182	101.0		48.9	146.7
145	28.8		16.1	48.2

