

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062780.D
 Acq On : 29 May 2019 14:14
 Operator : FY/SY
 Sample : VF0529SBS02
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS02

Manual Integrations
 APPROVED

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 5/30/2019 11:02:38 AM

Quant Time: May 30 09:01:09 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	5.10	168	170422	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.82	114	586838	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.94	117	612714	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	328799	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.09	65	177886	147.71	ug/l	0.05
Spiked Amount	50.000		Recovery	=	295.42%	
35) Dibromofluoromethane	4.38	113	158369	35.27	ug/l	0.06
Spiked Amount	50.000		Recovery	=	70.54%	
50) Toluene-d8	7.74	98	562117	52.43	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.86%	
62) 4-Bromofluorobenzene	11.52	95	277422	68.22	ug/l	0.01
Spiked Amount	50.000		Recovery	=	136.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.09	85	57145	24.640	ug/l	100
3) Chloromethane	1.20	50	43188	20.224	ug/l	88
4) Vinyl Chloride	1.26	62	46177	23.492	ug/l	91
5) Bromomethane	1.42	94	44943	41.794	ug/l	83
6) Chloroethane	1.48	64	21640	29.975	ug/l #	72
7) Trichlorofluoromethane	1.60	101	84272	31.929	ug/l	95
8) Diethyl Ether	1.76	74	27201	52.022	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.97	101	50702	30.169	ug/l	89
10) Methyl Iodide	2.01	142	132377	40.097	ug/l	95
11) Tert butyl alcohol	2.80	59	37442m	470.921	ug/l	
12) 1,1-Dichloroethene	1.90	96	40043	26.156	ug/l	98
13) Acrolein	2.15	56	21725	261.763	ug/l	92
14) Allyl chloride	2.26	41	63106	45.544	ug/l	90
15) Acrylonitrile	3.17	53	65806	293.413	ug/l #	95
16) Acetone	2.41	43	121454	388.739	ug/l #	85
17) Carbon Disulfide	1.93	76	131114	28.895	ug/l	96
18) Methyl Acetate	2.53	43	33739	68.720	ug/l	98
19) Methyl tert-butyl Ether	2.64	73	166151	60.710	ug/l	92
20) Methylene Chloride	2.35	84	72118	46.051	ug/l #	87
21) trans-1,2-Dichloroethene	2.49	96	45052	30.107	ug/l	87
22) Diisopropyl ether	3.01	45	157107	45.973	ug/l #	88
23) Vinyl Acetate	3.42	43	511692	221.964	ug/l #	93
24) 1,1-Dichloroethane	3.08	63	94080	37.527	ug/l	97
25) 2-Butanone	4.62	43	125712	188.331	ug/l	94
26) 2,2-Dichloropropane	3.87	77	84829	59.138	ug/l	75
27) cis-1,2-Dichloroethene	3.72	96	56312	22.878	ug/l	98
28) Bromochloromethane	3.97	49	39206	27.884	ug/l	98
29) Tetrahydrofuran	4.36	42	58552	216.766	ug/l	97
30) Chloroform	4.14	83	123331	35.432	ug/l	98
31) Cyclohexane	3.96	56	45713	13.580	ug/l #	76
32) 1,1,1-Trichloroethane	4.37	97	89036	38.517	ug/l	92
36) 1,1-Dichloropropene	4.53	75	62426	10.381	ug/l	85
37) Ethyl Acetate	4.39	43	66168	26.950	ug/l #	46
38) Carbon Tetrachloride	4.26	117	74587	16.493	ug/l	98

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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	5.68	83	51702	7.146	ug/l #	80
40) Benzene	4.87	78	154940	9.458	ug/l	96
41) Methacrylonitrile	5.00	41	28539	22.171	ug/l #	75
42) 1,2-Dichloroethane	5.19	62	105888	32.413	ug/l	87
43) Isopropyl Acetate	7.18	43	150236	47.231	ug/l	96
44) Trichloroethene	5.72	130	52566	11.417	ug/l	87
45) 1,2-Dichloropropane	6.46	63	117108	28.319	ug/l	89
46) Dibromomethane	6.30	93	86252	36.090	ug/l	84
47) Bromodichloromethane	6.60	83	144979	29.221	ug/l	96
48) Methyl methacrylate	6.94	41	76316	45.902	ug/l	98
49) 1,4-Dioxane	6.96	88	20918	982.337	ug/l #	82
51) 4-Methyl-2-Pentanone	8.45	43	520368	239.334	ug/l	97
52) Toluene	7.81	92	209294	24.361	ug/l	83
53) t-1,3-Dichloropropene	8.46	75	156096	38.456	ug/l	97
54) cis-1,3-Dichloropropene	7.50	75	181444	31.933	ug/l	94
55) 1,1,2-Trichloroethane	8.67	97	108080	42.488	ug/l	94
56) Ethyl methacrylate	8.80	69	134874	44.504	ug/l	94
57) 1,3-Dichloropropane	9.03	76	181691	41.934	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.50	63	258231	261.775	ug/l	99
59) 2-Hexanone	9.67	43	409101	292.213	ug/l	98
60) Dibromochloromethane	8.90	129	126809	38.249	ug/l	90
61) 1,2-Dibromoethane	9.17	107	116220	43.014	ug/l	100
64) Tetrachloroethene	8.33	164	69344	14.286	ug/l	99
65) Chlorobenzene	9.96	112	275322	22.878	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.09	131	108440	22.446	ug/l	94
67) Ethyl Benzene	10.06	91	403297	19.291	ug/l	96
68) m/p-Xylenes	10.29	106	292819	37.266	ug/l	82
69) o-Xylene	10.84	106	151962	18.776	ug/l	91
70) Styrene	10.92	104	270382	21.980	ug/l	95
71) Bromoform	10.90	173	84651	34.985	ug/l #	99
73) Isopropylbenzene	11.23	105	356561	15.131	ug/l	94
74) N-amyl acetate	11.47	43	199674	31.281	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	151152	31.386	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	98591	31.157	ug/l	98
77) Bromobenzene	11.60	156	120100	20.503	ug/l	89
78) n-propylbenzene	11.70	91	447622	16.050	ug/l	92
79) 2-Chlorotoluene	11.81	91	274010	17.434	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	289856	15.340	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.96	75	49504m	35.194	ug/l	
82) 4-Chlorotoluene	11.99	91	282601	18.233	ug/l	96
83) tert-Butylbenzene	12.22	119	290595	15.158	ug/l	89
84) 1,2,4-Trimethylbenzene	12.29	105	321033	17.554	ug/l	93
85) sec-Butylbenzene	12.39	105	370886	14.416	ug/l	93
86) p-Isopropyltoluene	12.53	119	328961	15.172	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	211292	19.937	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	216251	21.744	ug/l	99
89) n-Butylbenzene	12.92	91	332317	15.545	ug/l	87
90) Hexachloroethane	12.99	117	81426	15.655	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	203945	21.589	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	17942	31.229	ug/l	94

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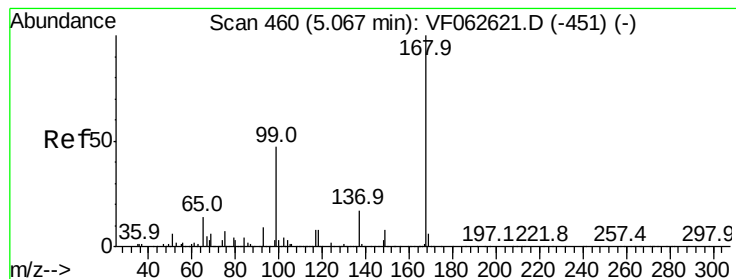
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	153537	22.706	ug/l	98
94) Hexachlorobutadiene	14.25	225	68852	14.590	ug/l	97
95) Naphthalene	14.51	128	314459	25.598	ug/l	97
96) 1,2,3-Trichlorobenzene	14.65	180	153211	23.921	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.10 min Scan# 463

Delta R.T. 0.03 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

Tot Ion:168 Resp: 170422

Ion Ratio Lower Upper

168 100

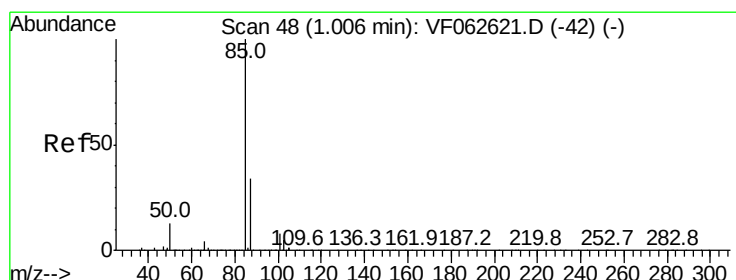
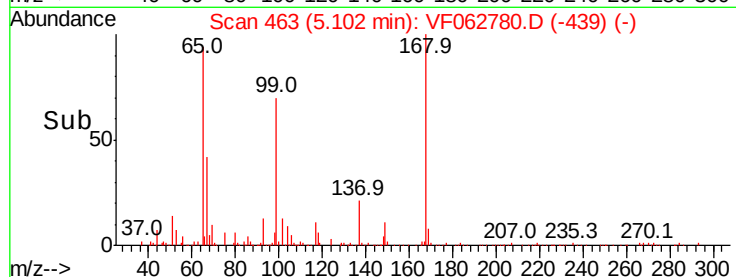
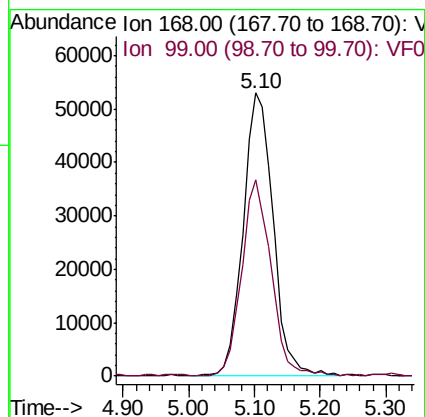
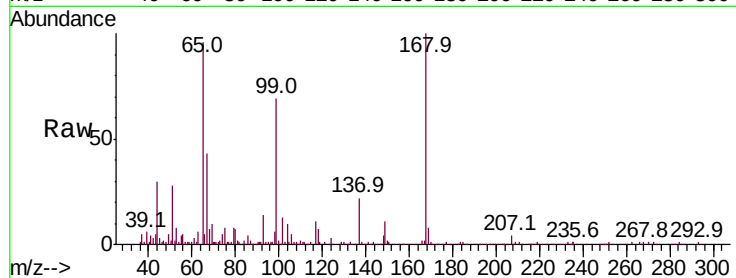
99 69.4 37.8 56.8#

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#2

Dichlorodifluoromethane

Concen: 24.640 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.08 min

Lab File: VF062780.D

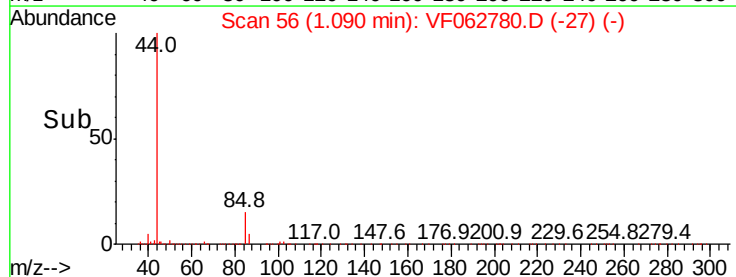
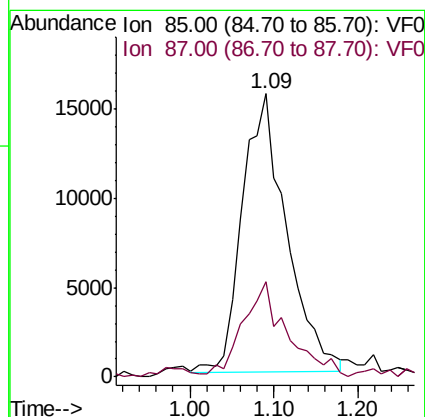
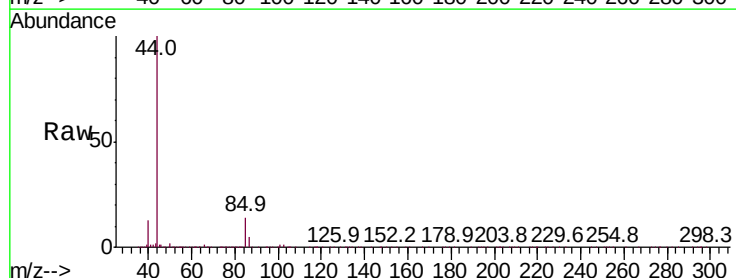
Acq: 29 May 2019 14:14

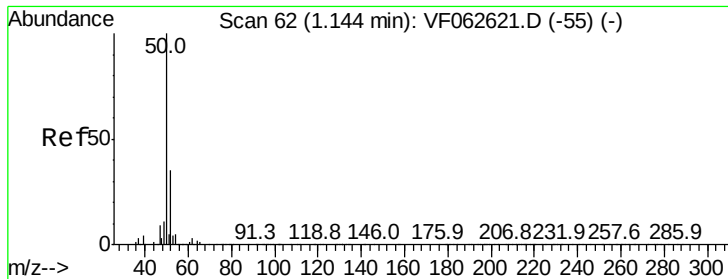
Tgt Ion: 85 Resp: 57145

Ion Ratio Lower Upper

85 100

87 33.8 16.8 50.3





#3

Chloromethane

Concen: 20.224 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.05 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

Tot Ion: 50 Resp: 43188

Ion Ratio Lower Upper

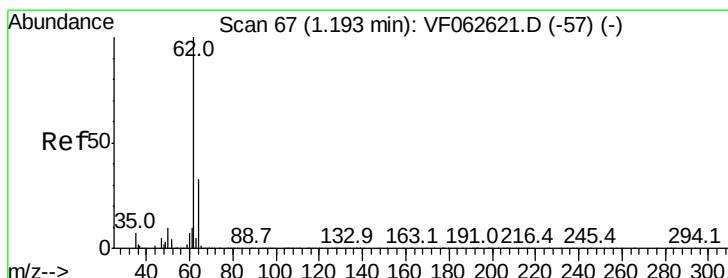
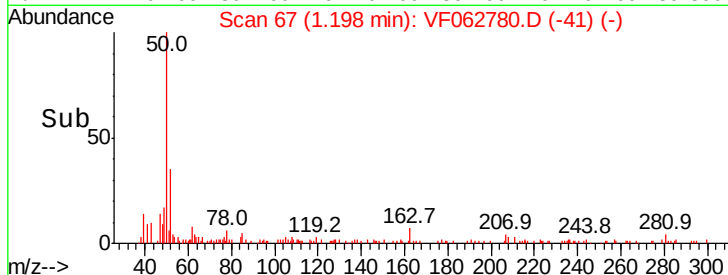
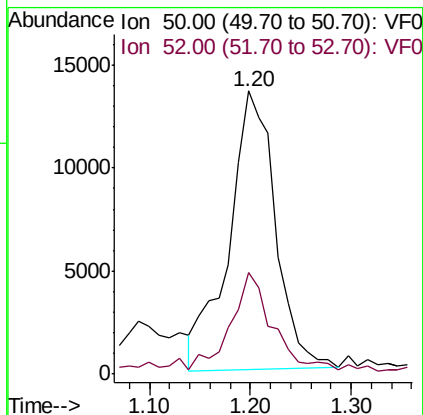
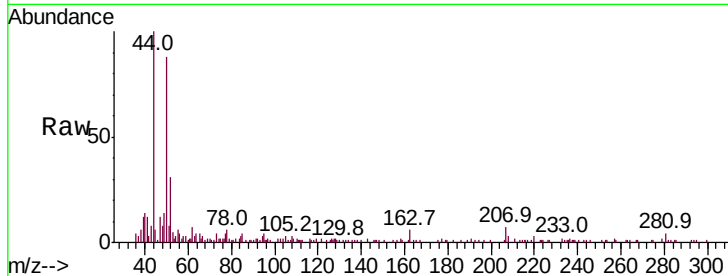
50 100

52 41.1 27.5 41.3

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#4

Vinyl Chloride

Concen: 23.492 ug/l

RT: 1.26 min Scan# 73

Delta R.T. 0.06 min

Lab File: VF062780.D

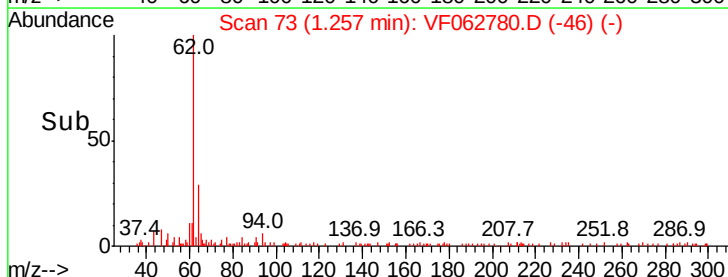
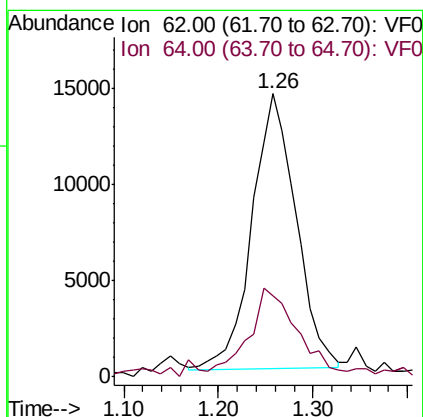
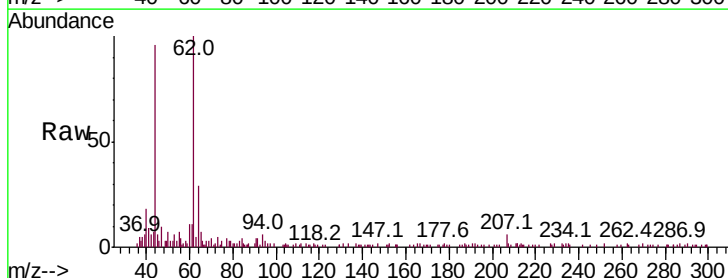
Acq: 29 May 2019 14:14

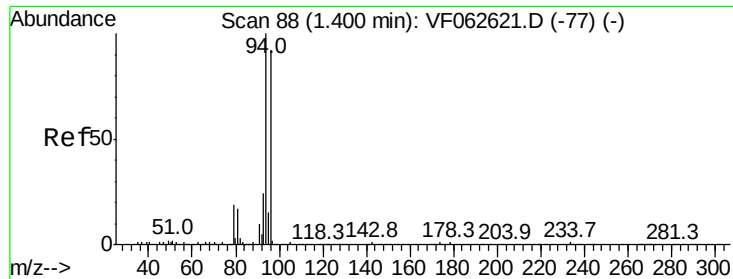
Tgt Ion: 62 Resp: 46177

Ion Ratio Lower Upper

62 100

64 28.5 26.7 40.1





#5

Bromomethane

Concen: 41.794 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.02 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

Tot Ion: 94 Resp: 44943

Ion Ratio Lower Upper

94 100

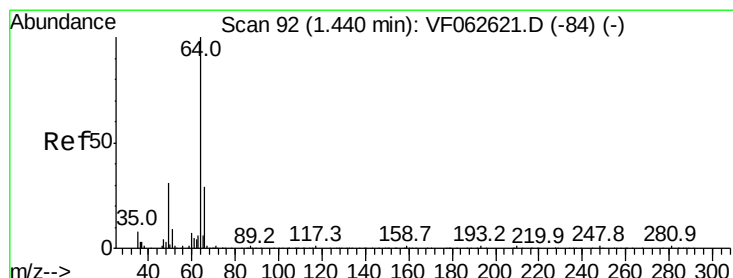
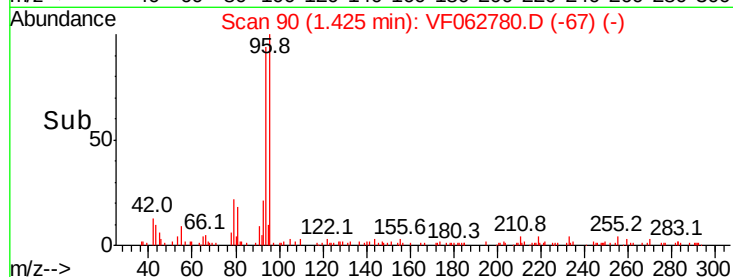
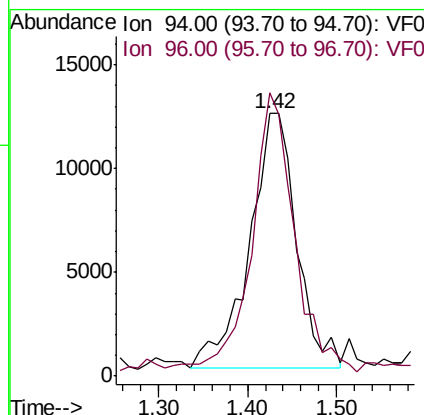
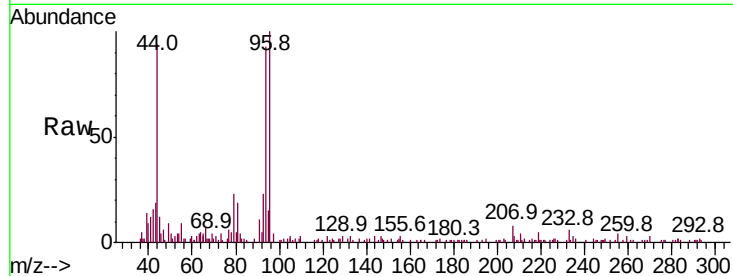
96 107.9 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 29.975 ug/l

RT: 1.48 min Scan# 96

Delta R.T. 0.04 min

Lab File: VF062780.D

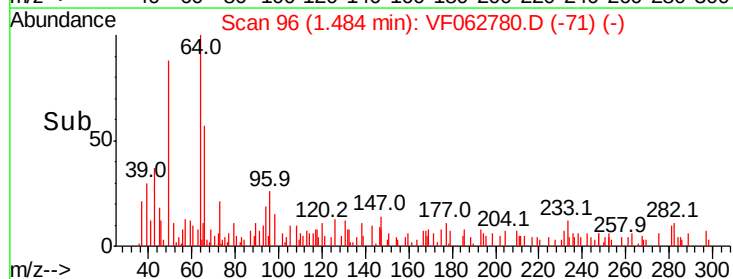
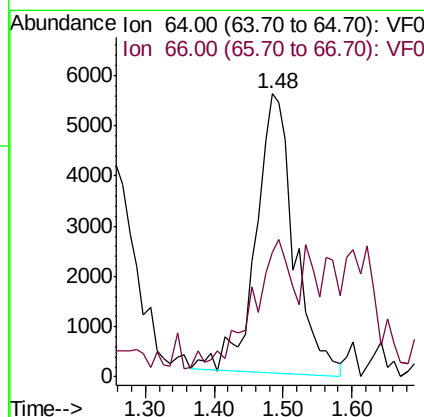
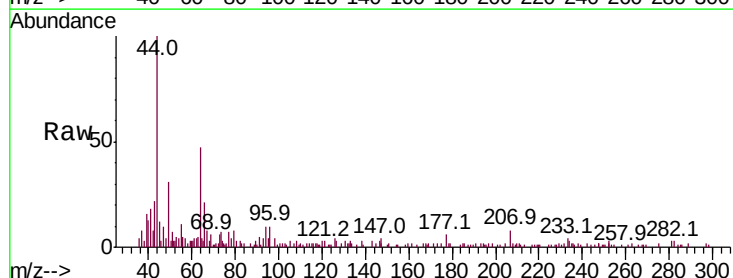
Acq: 29 May 2019 14:14

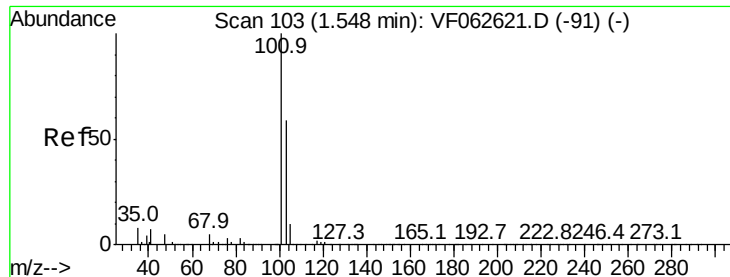
Tgt Ion: 64 Resp: 21640

Ion Ratio Lower Upper

64 100

66 44.2 23.4 35.2#





#7

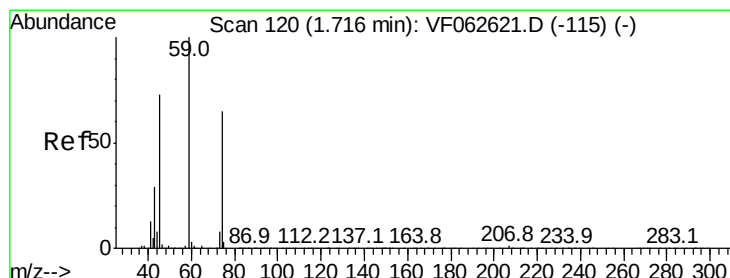
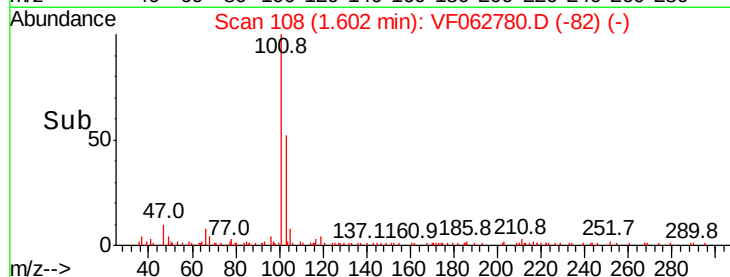
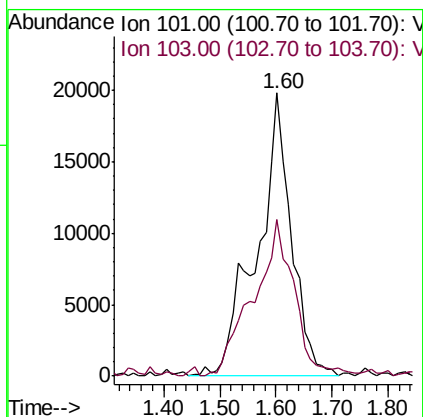
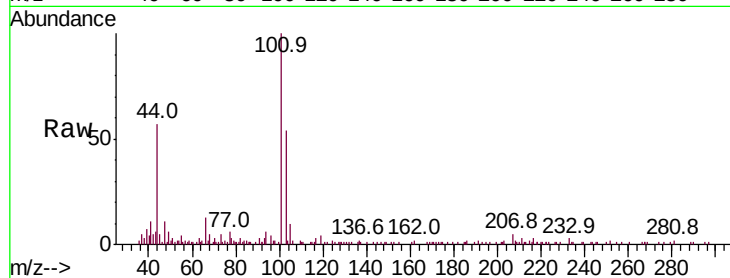
Trichlorofluoromethane
Concen: 31.929 ug/l
RT: 1.60 min Scan# 108
Delta R.T. 0.05 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

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ClientSampleId :
VF0529SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	55.4	47.3	70.9

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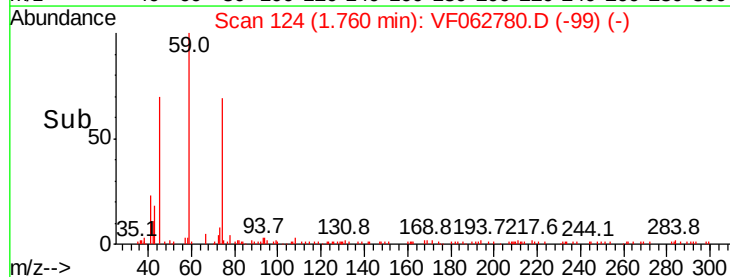
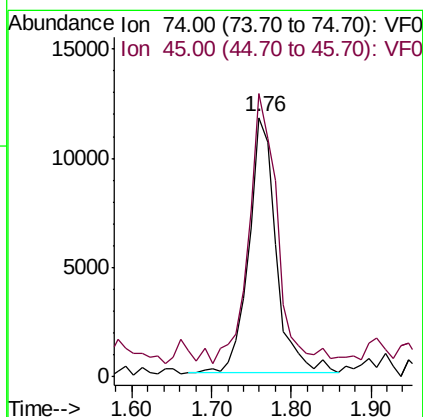
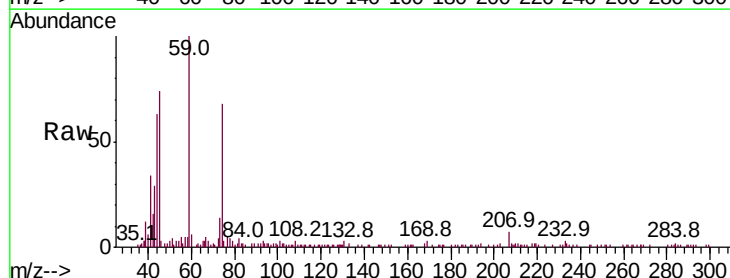
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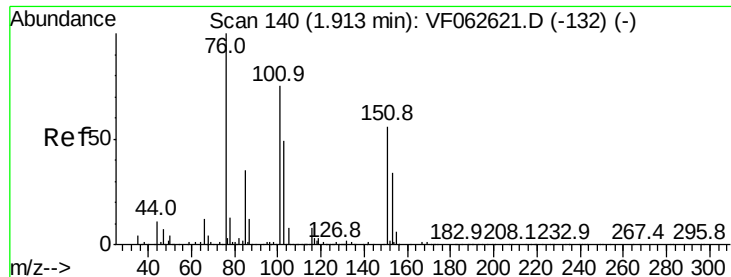


#8

Diethyl Ether
Concen: 52.022 ug/l
RT: 1.76 min Scan# 124
Delta R.T. 0.04 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.2	57.0	170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 30.169 ug/l

RT: 1.97 min Scan# 145

Delta R.T. 0.05 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

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MSVOA_F

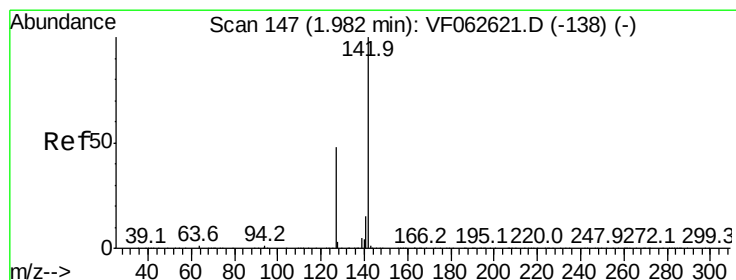
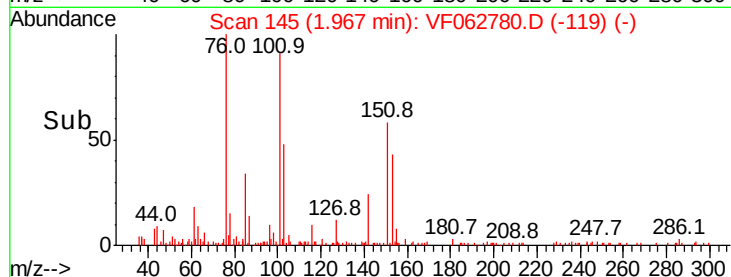
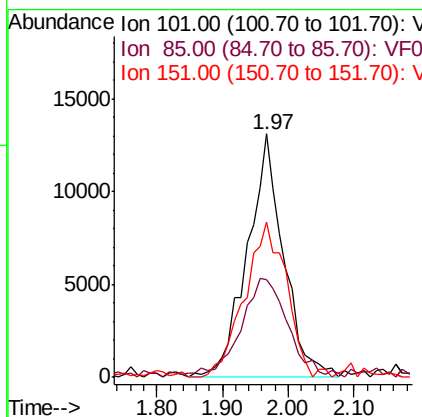
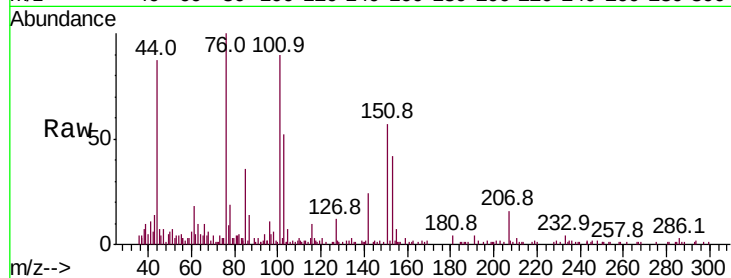
ClientSampleId :

VF0529SBS02

Tot Ion:	101	Resp:	50702
Ion Ratio	Lower	Upper	
101	100		
85	40.1	37.1	55.7
151	63.7	58.8	88.2

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#10

Methyl Iodide

Concen: 40.097 ug/l

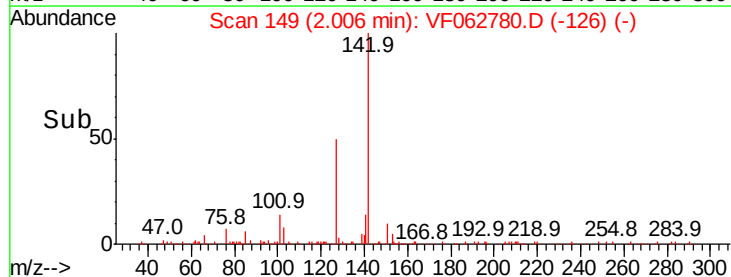
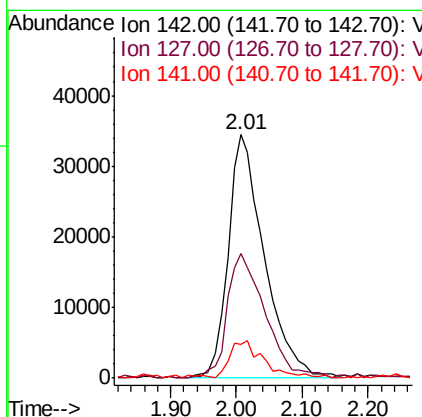
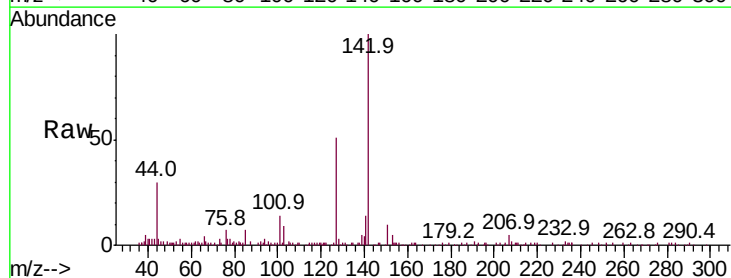
RT: 2.01 min Scan# 149

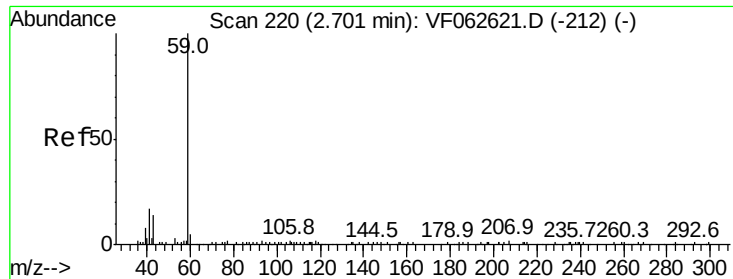
Delta R.T. 0.02 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion:	142	Resp:	132377
Ion Ratio	Lower	Upper	
142	100		
127	51.4	38.1	57.1
141	14.0	11.7	17.5





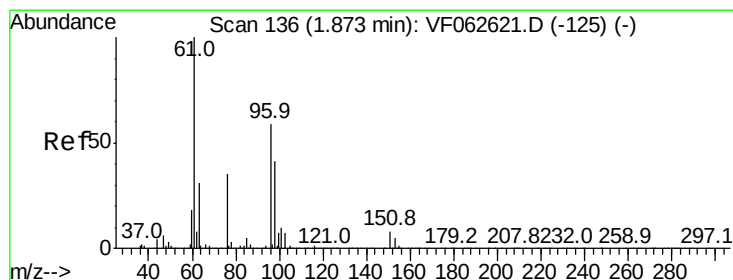
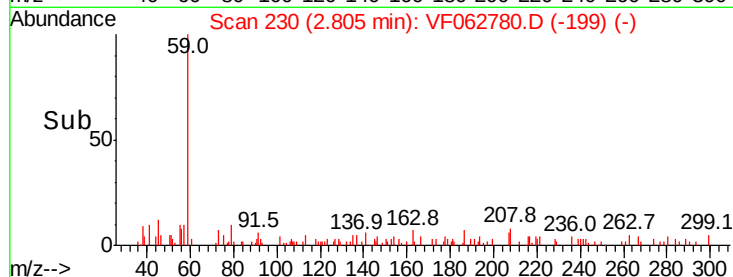
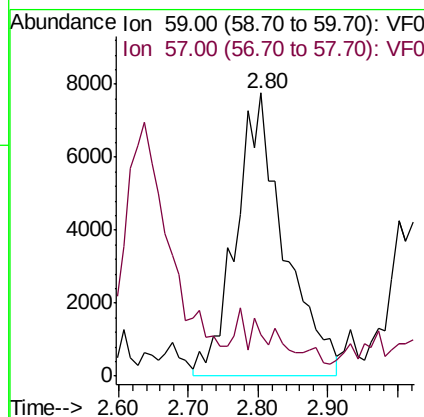
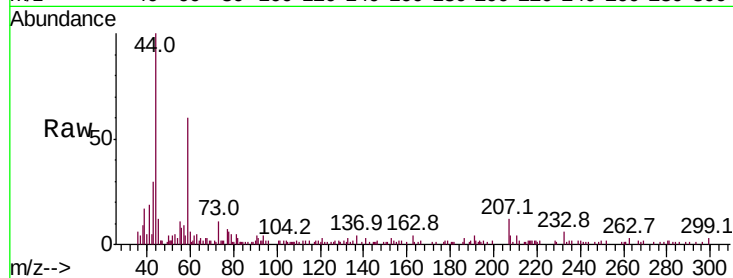
#11
Tert butyl alcohol
Concen: 470.921 ug/l m
RT: 2.80 min Scan# 230
Delta R.T. 0.10 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion: 59 Resp: 37442
Ion Ratio Lower Upper
59 100
57 14.7 9.3 13.9#

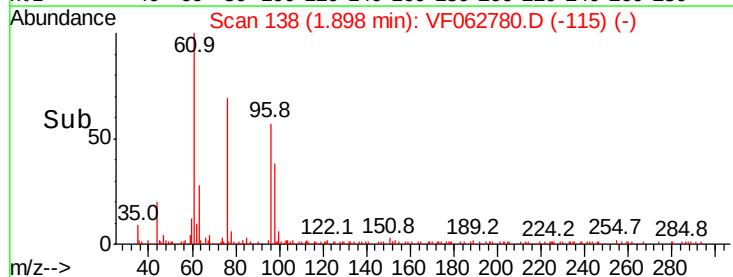
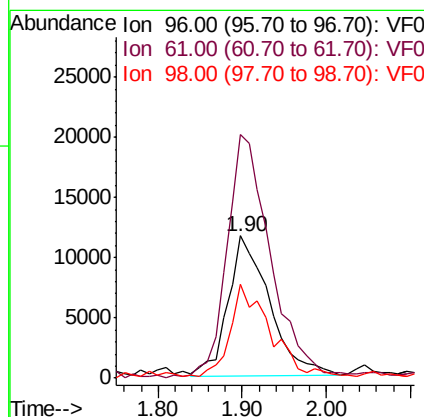
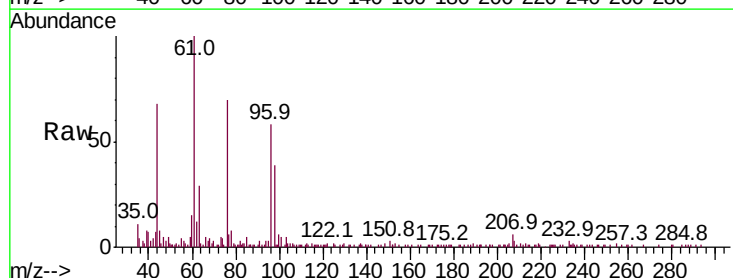
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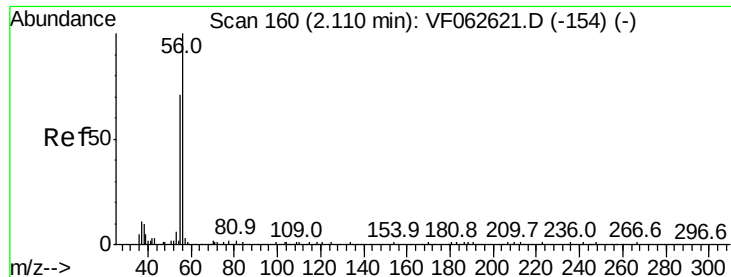
mmdadoda
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#12
1,1-Dichloroethene
Concen: 26.156 ug/l
RT: 1.90 min Scan# 138
Delta R.T. 0.02 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion: 96 Resp: 40043
Ion Ratio Lower Upper
96 100
61 171.3 134.3 201.5
98 67.9 55.0 82.6





#13

Acrolein

Concen: 261.763 ug/l

RT: 2.15 min Scan# 164

Delta R.T. 0.04 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

Tot Ion: 56 Resp: 21725

Ion Ratio Lower Upper

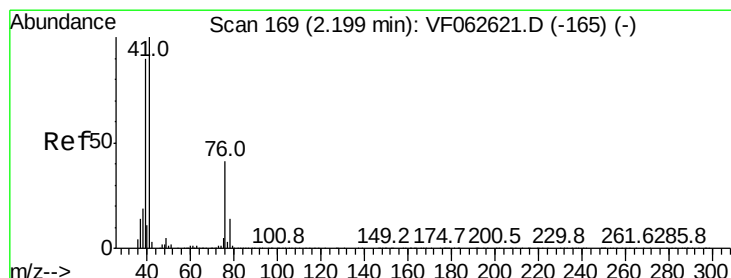
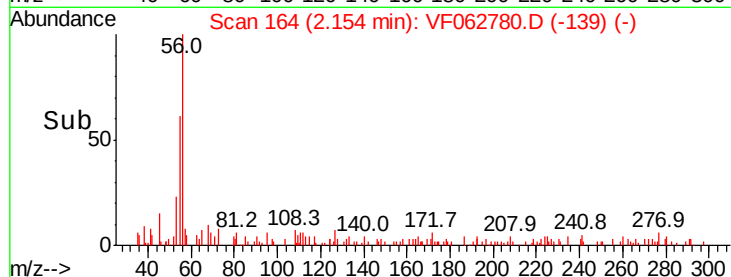
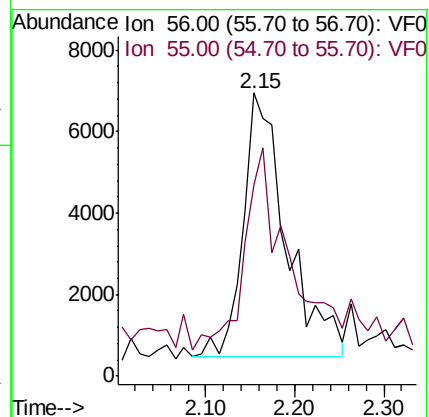
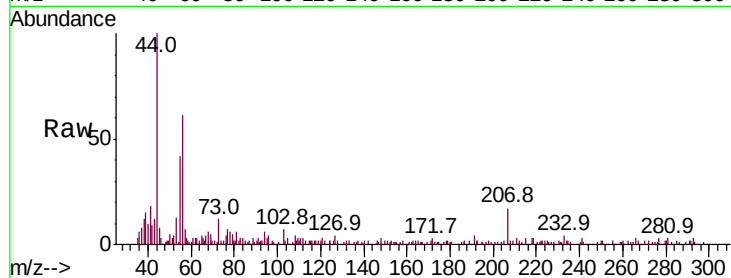
56 100

55 67.8 59.4 89.0

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#14

Allyl chloride

Concen: 45.544 ug/l

RT: 2.26 min Scan# 175

Delta R.T. 0.06 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

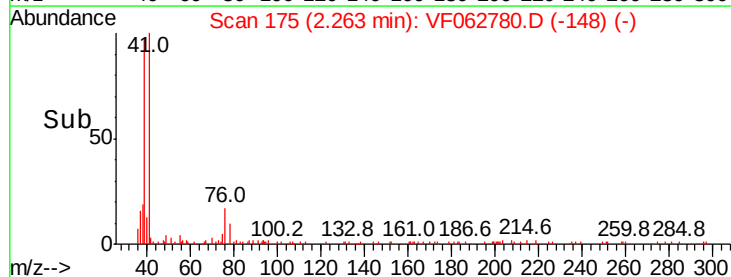
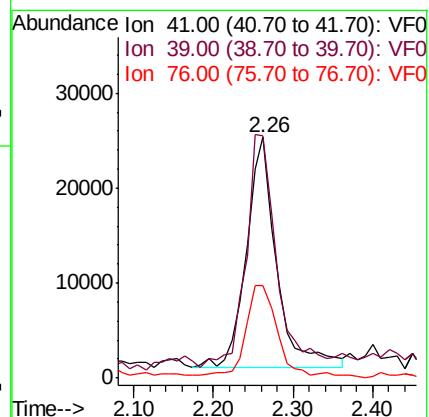
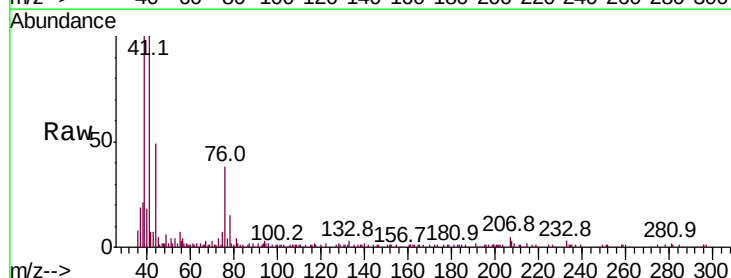
Tgt Ion: 41 Resp: 63106

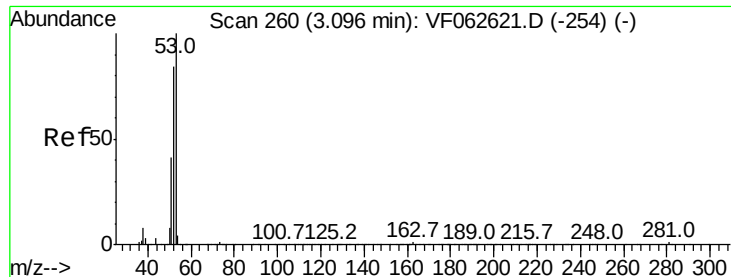
Ion Ratio Lower Upper

41 100

39 100.4 72.0 108.0

76 38.5 34.8 52.2





#15

Acrylonitrile

Concen: 293.413 ug/l

RT: 3.17 min Scan# 267

Delta R.T. 0.07 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

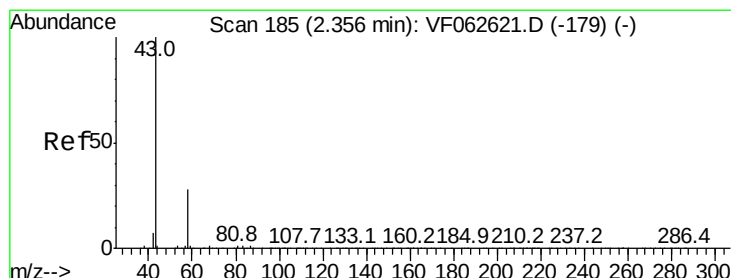
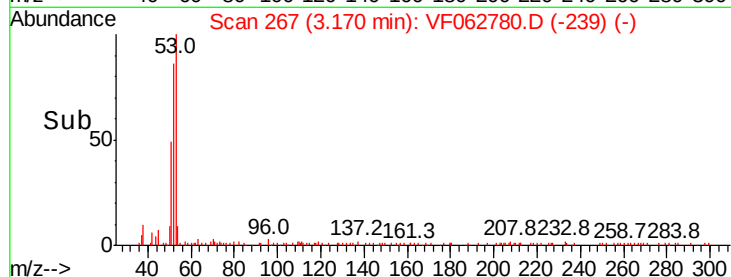
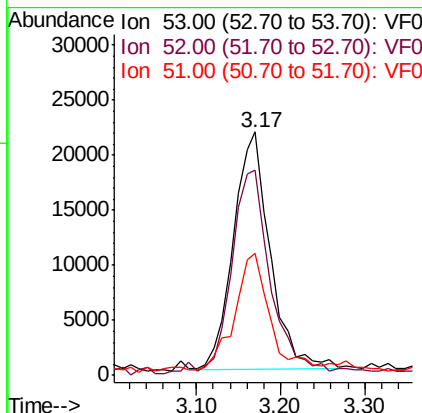
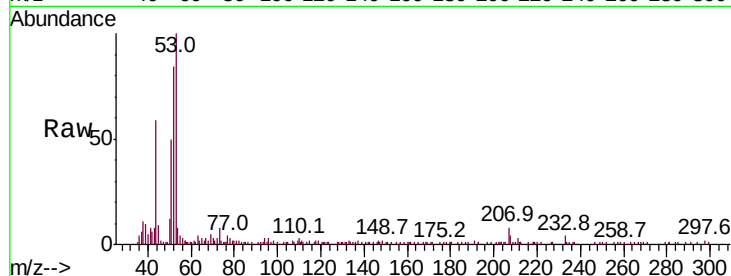
ClientSampleId :

VF0529SBS02

Tot Ion:	53	Resp:	65806
Ion	Ratio	Lower	Upper
53	100		
52	84.3	67.3	100.9
51	50.2	33.0	49.6#

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#16

Acetone

Concen: 388.739 ug/l

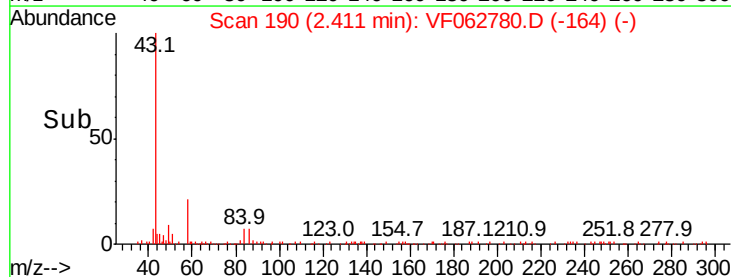
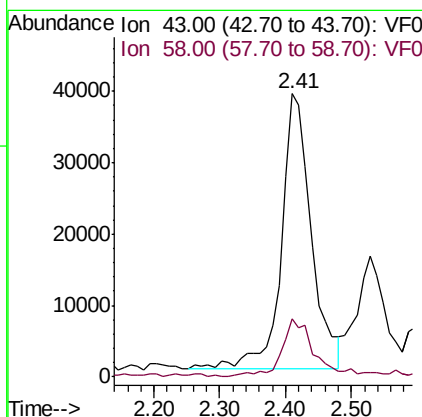
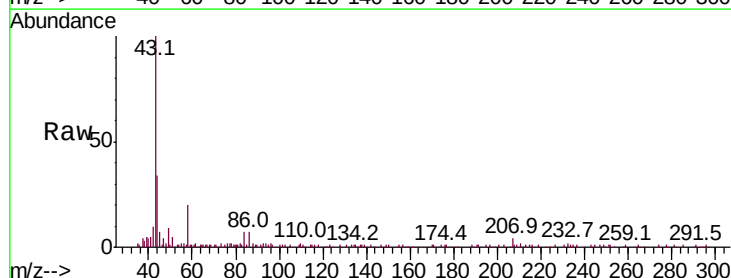
RT: 2.41 min Scan# 190

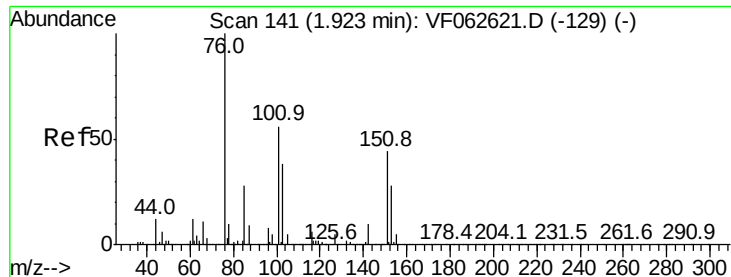
Delta R.T. 0.05 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion:	43	Resp:	121454
Ion	Ratio	Lower	Upper
43	100		
58	20.3	22.6	33.8#





#17

Carbon Disulfide

Concen: 28.895 ug/l

RT: 1.93 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

Tot Ion: 76 Resp: 131114

Ion Ratio Lower Upper

76 100

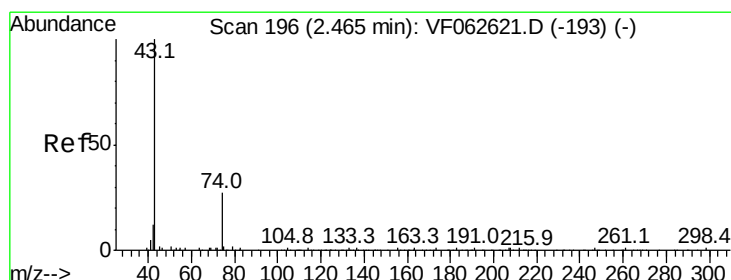
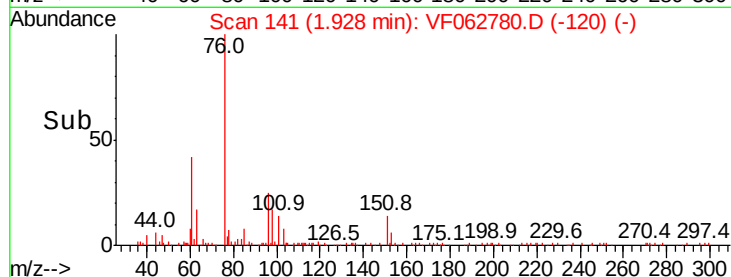
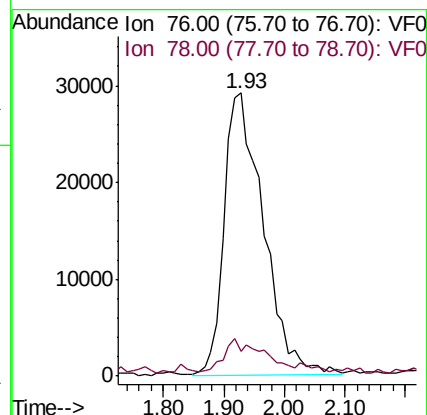
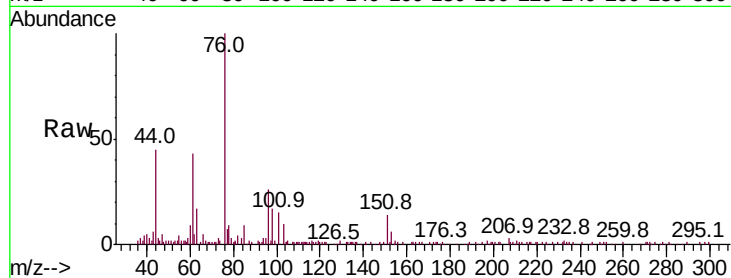
78 9.0 8.4 12.6

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#18

Methyl Acetate

Concen: 68.720 ug/l

RT: 2.53 min Scan# 202

Delta R.T. 0.06 min

Lab File: VF062780.D

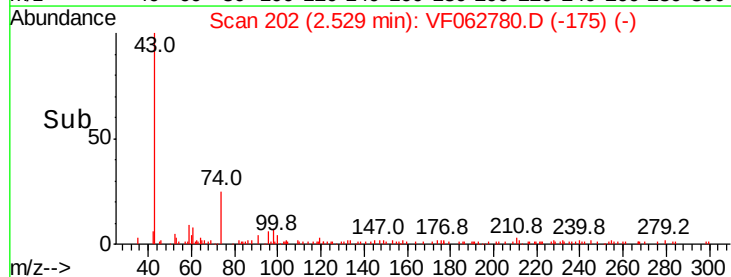
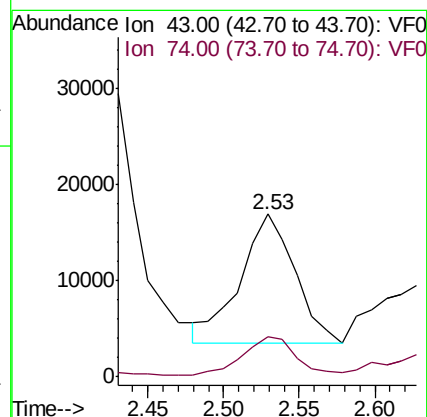
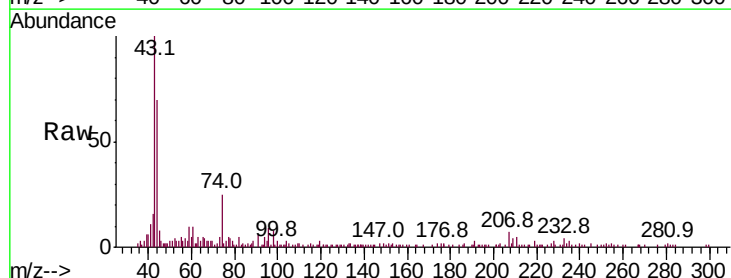
Acq: 29 May 2019 14:14

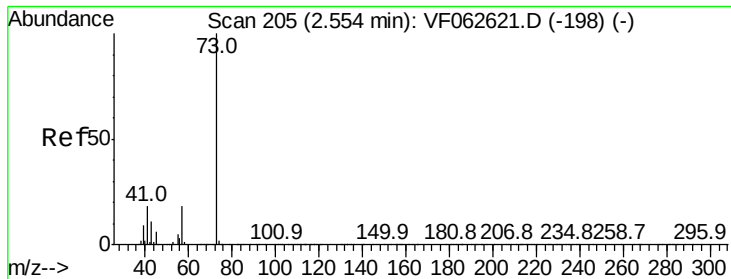
Tgt Ion: 43 Resp: 33739

Ion Ratio Lower Upper

43 100

74 24.6 18.9 28.3





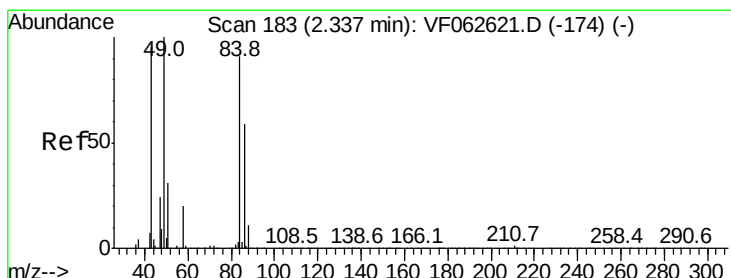
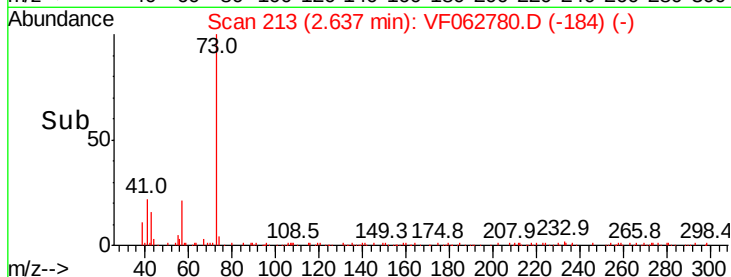
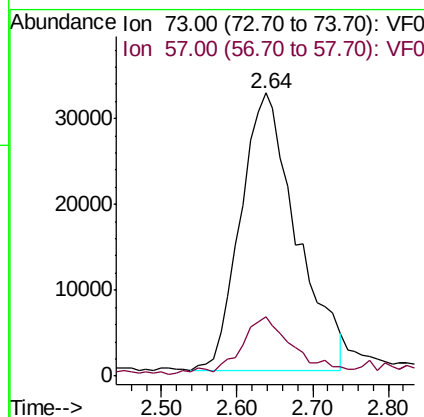
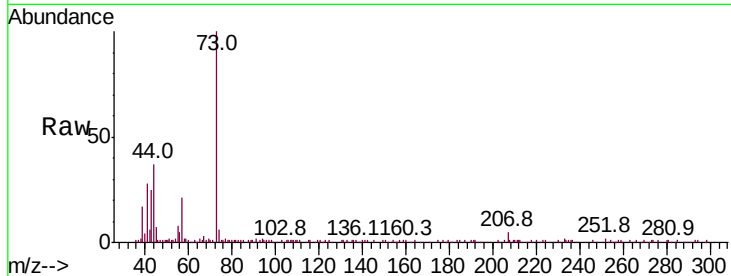
#19
Methyl tert-butyl Ether
Concen: 60.710 ug/l
RT: 2.64 min Scan# 213
Delta R.T. 0.08 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion	Ratio	Resp	Lower	Upper
73	100	166151		
57	21.1		14.2	21.4

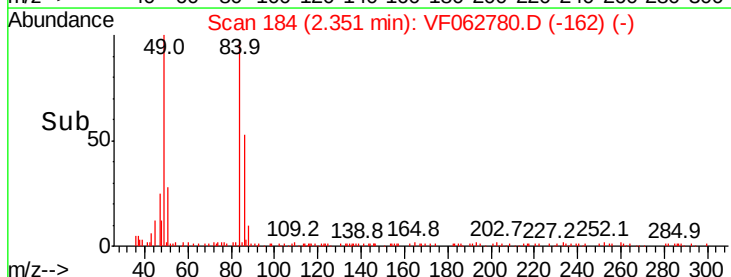
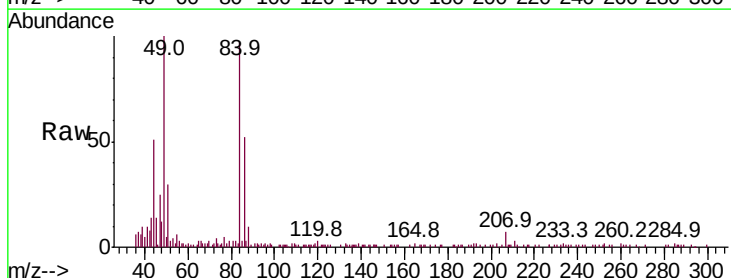
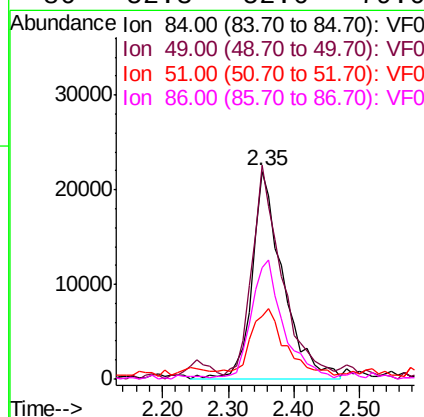
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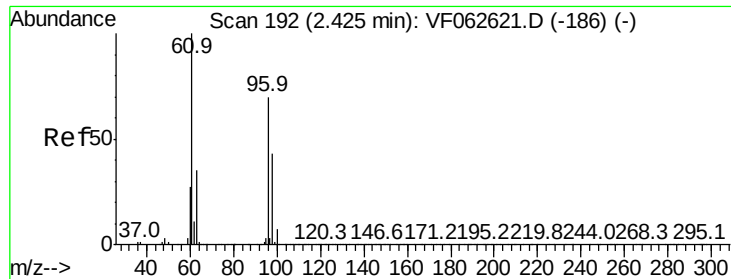
mmdadoda
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#20
Methylene Chloride
Concen: 46.051 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	72118		
49	99.9		89.8	134.8
51	29.6		28.4	42.6
86	52.3		52.6	79.0#





#21

trans-1,2-Dichloroethene

Concen: 30.107 ug/l

RT: 2.49 min Scan# 198

Delta R.T. 0.06 min

Lab File: VF062780.D

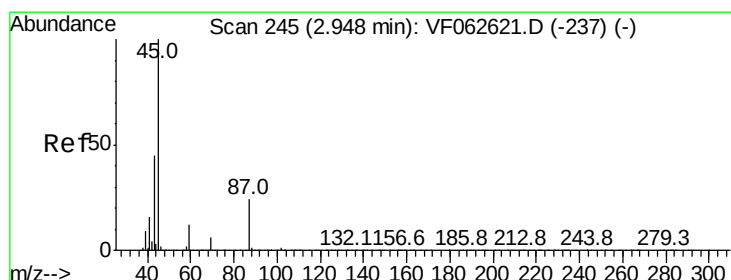
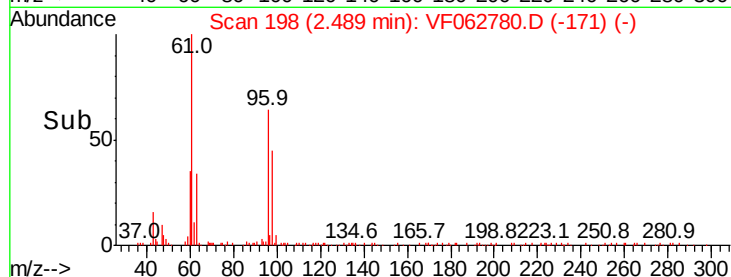
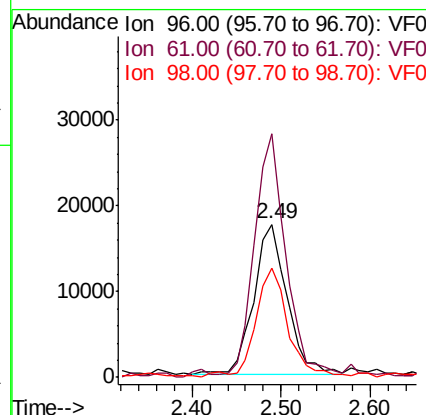
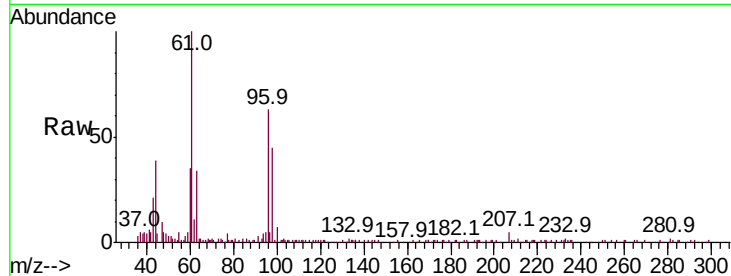
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.4	114.6	171.8
98	71.2	49.5	74.3

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#22

Diisopropyl ether

Concen: 45.973 ug/l

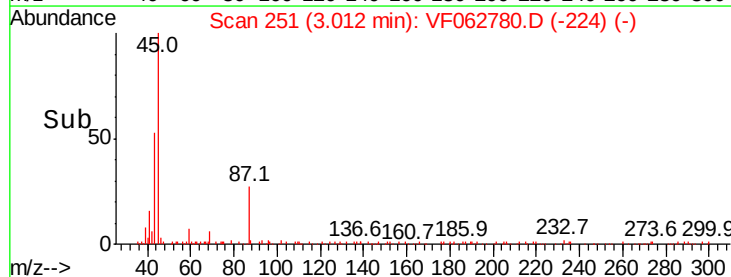
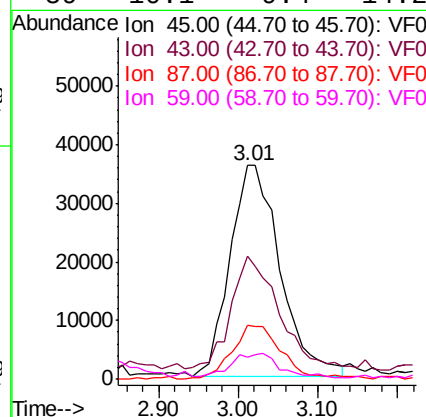
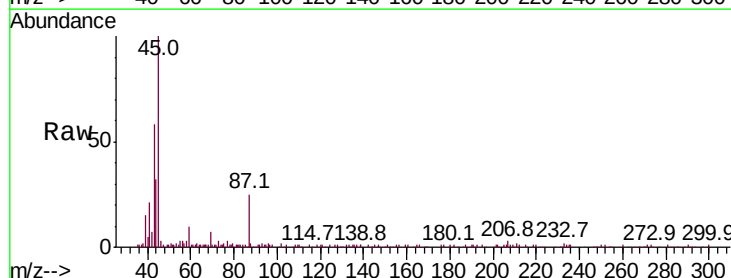
RT: 3.01 min Scan# 251

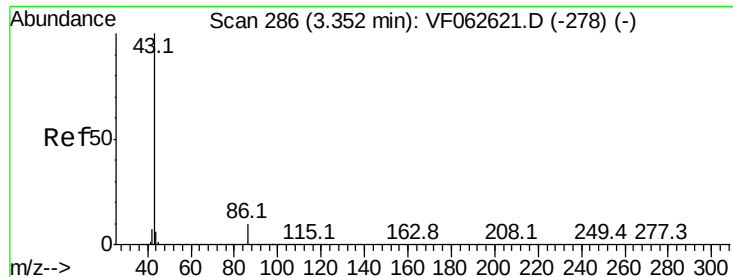
Delta R.T. 0.06 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.8	36.4	54.6#
87	25.4	19.3	28.9
59	10.1	9.4	14.2





#23

Vinyl Acetate

Concen: 221.964 ug/l

RT: 3.42 min Scan# 292

Delta R.T. 0.06 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

Tot Ion: 43 Resp: 511692

Ion Ratio Lower Upper

43 100

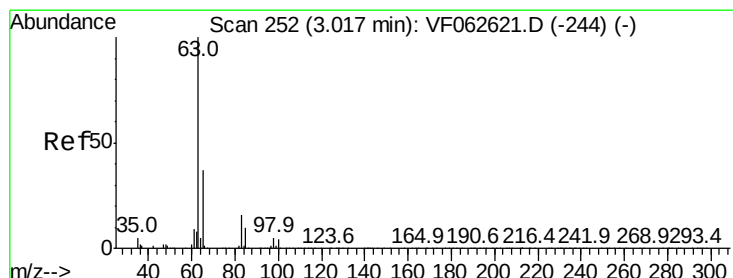
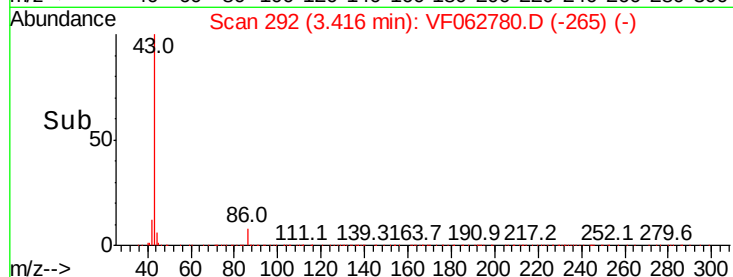
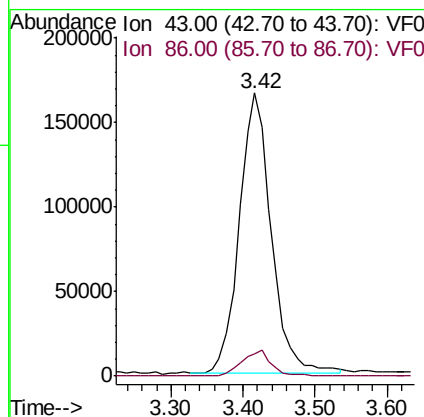
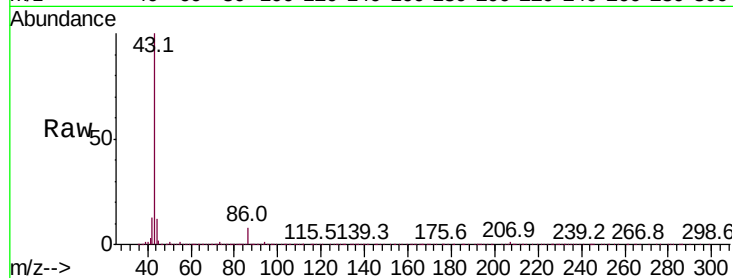
86 7.7 8.2 12.2#

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#24

1,1-Dichloroethane

Concen: 37.527 ug/l

RT: 3.08 min Scan# 258

Delta R.T. 0.06 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

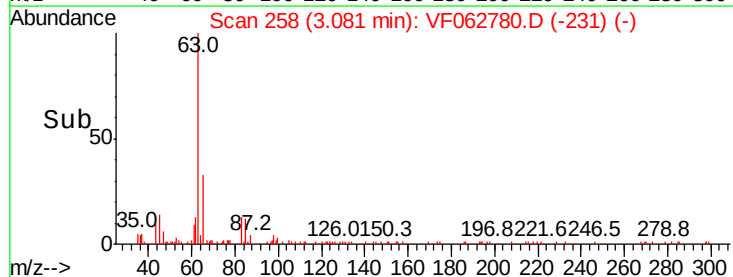
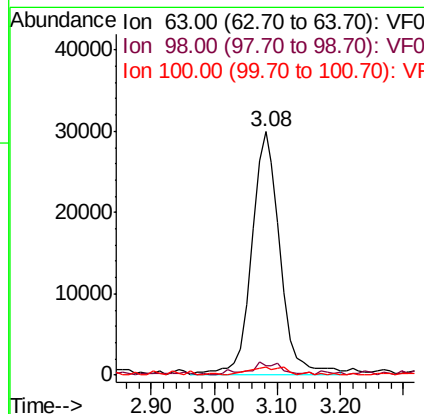
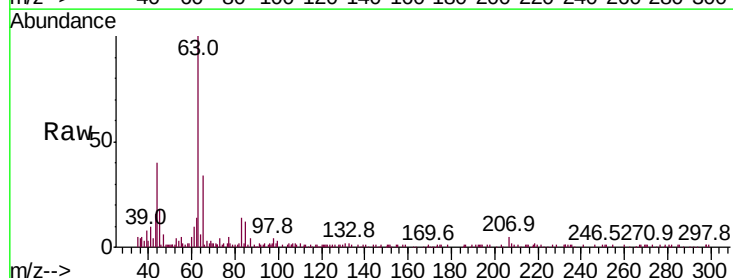
Tgt Ion: 63 Resp: 94080

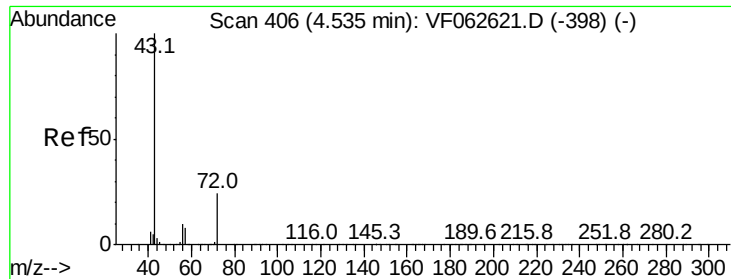
Ion Ratio Lower Upper

63 100

98 4.0 2.8 8.3

100 3.4 1.9 5.7





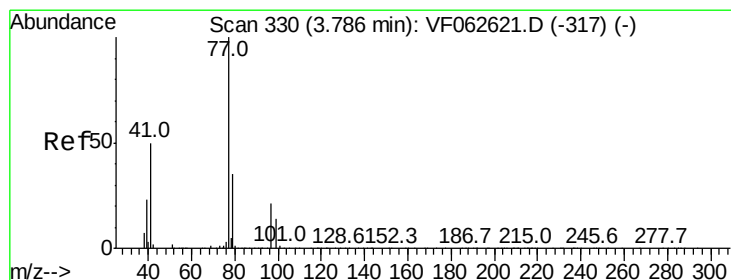
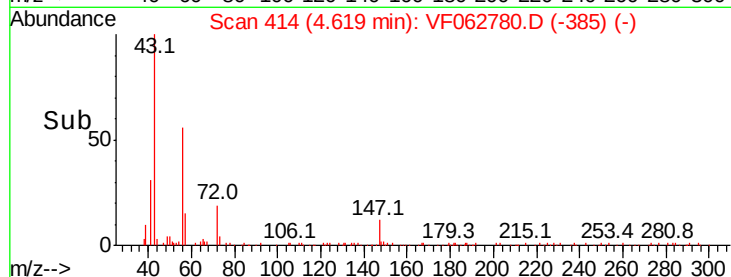
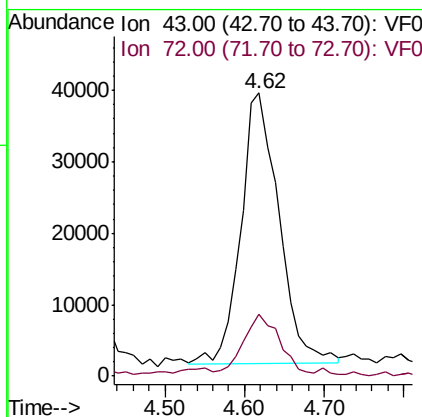
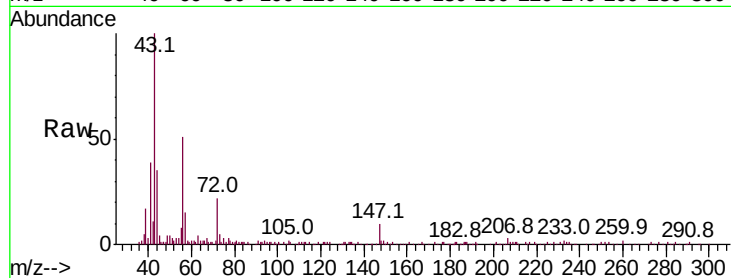
#25
2-Butanone
Concen: 188.331 ug/l
RT: 4.62 min Scan# 414
Delta R.T. 0.08 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion: 43 Resp: 125712
Ion Ratio Lower Upper
43 100
72 21.9 20.1 30.1

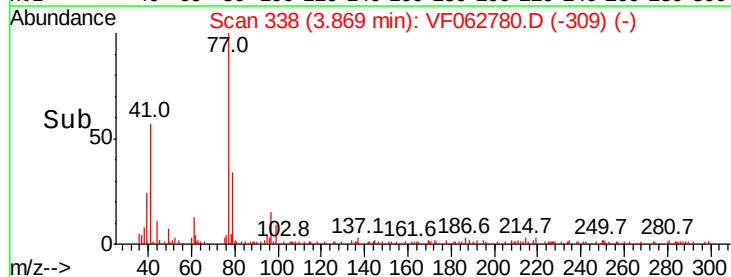
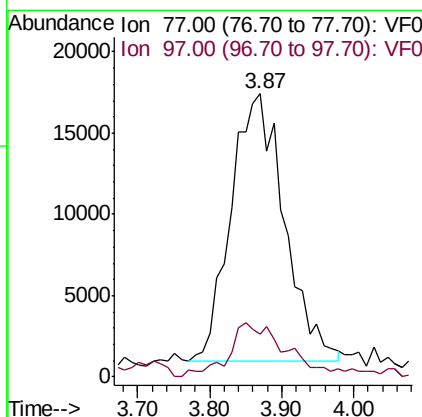
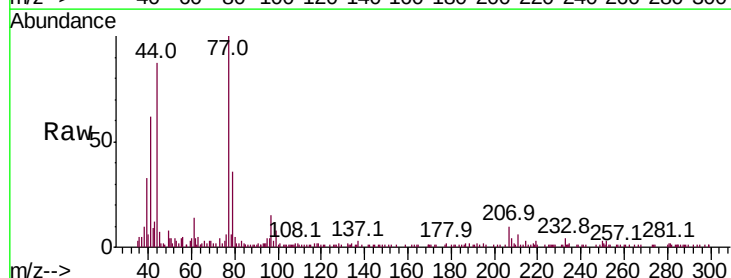
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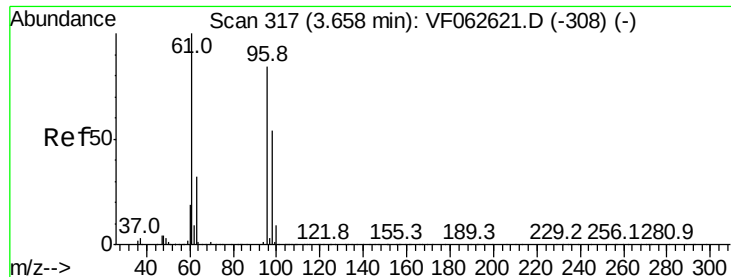
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#26
2,2-Dichloropropane
Concen: 59.138 ug/l
RT: 3.87 min Scan# 338
Delta R.T. 0.08 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion: 77 Resp: 84829
Ion Ratio Lower Upper
77 100
97 15.1 14.1 42.4





#27

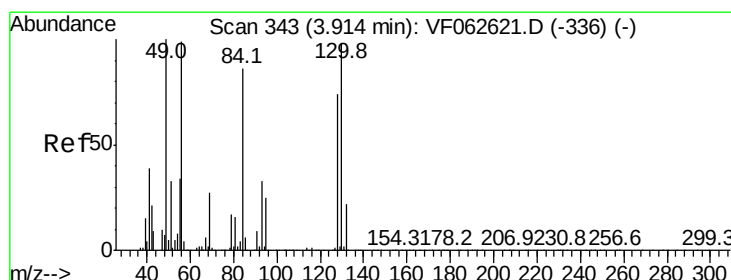
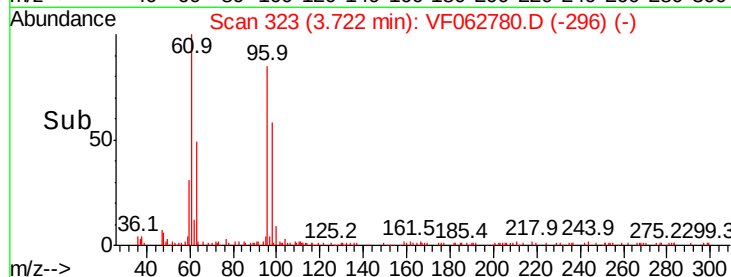
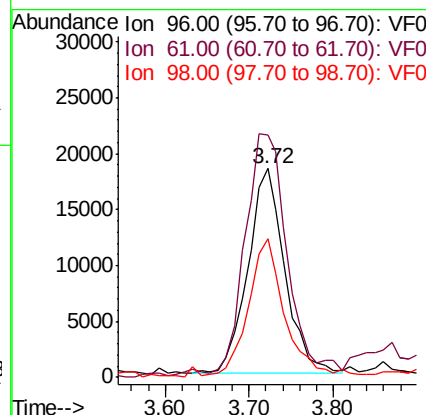
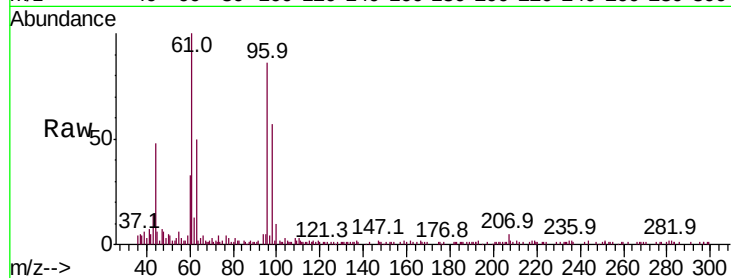
cis-1,2-Dichloroethene
Concen: 22.878 ug/l
RT: 3.72 min Scan# 323
Delta R.T. 0.06 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion	96	Resp:	56312
Ion	Ratio	Lower	Upper
96	100		
61	116.0	0.0	237.4
98	66.4	0.0	129.0

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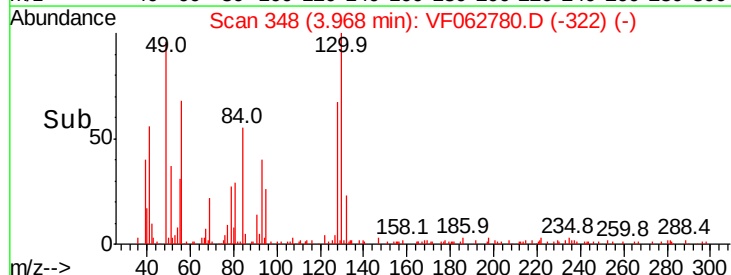
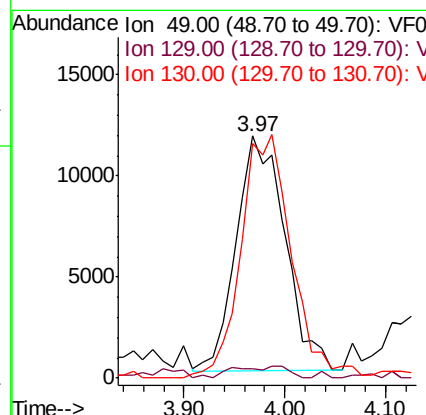
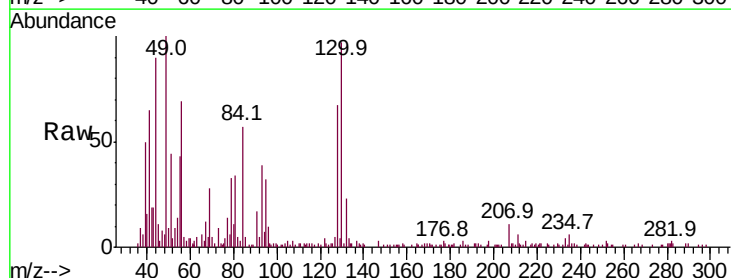
mmdadoda
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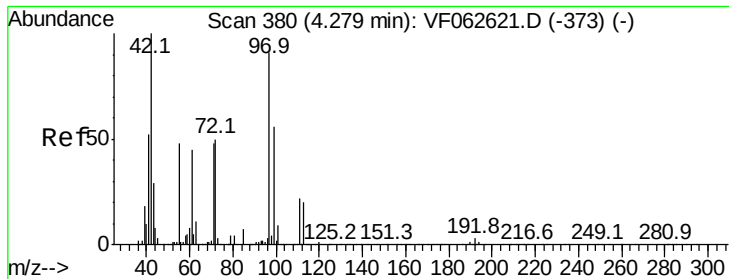


#28

Bromochloromethane
Concen: 27.884 ug/l
RT: 3.97 min Scan# 348
Delta R.T. 0.05 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion	49	Resp:	39206
Ion	Ratio	Lower	Upper
49	100		
129	3.6	0.0	4.0
130	99.1	77.8	116.8





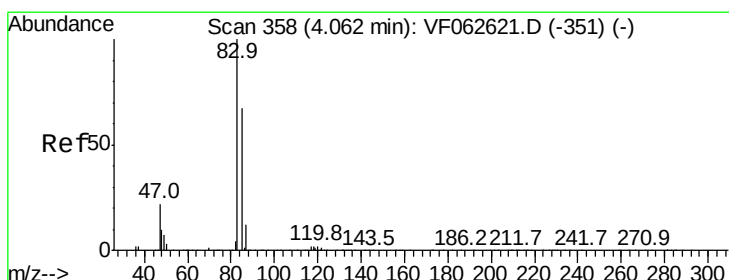
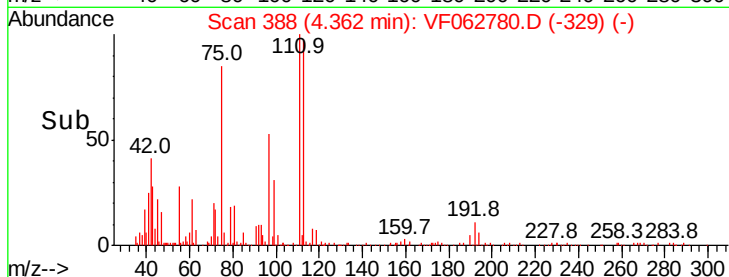
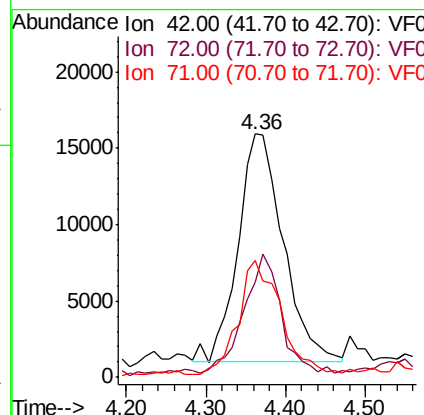
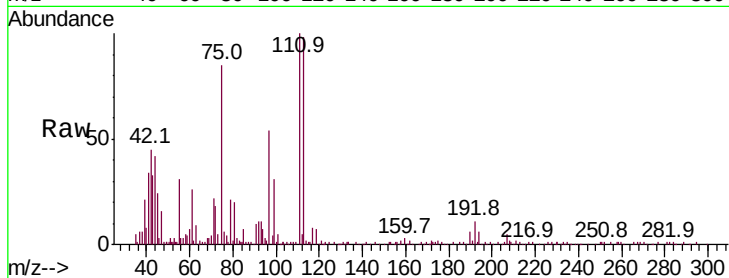
#29
Tetrahydrofuran
Concen: 216.766 ug/l
RT: 4.36 min Scan# 388
Delta R.T. 0.08 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.2	38.2	57.2
71	48.6	35.8	53.6

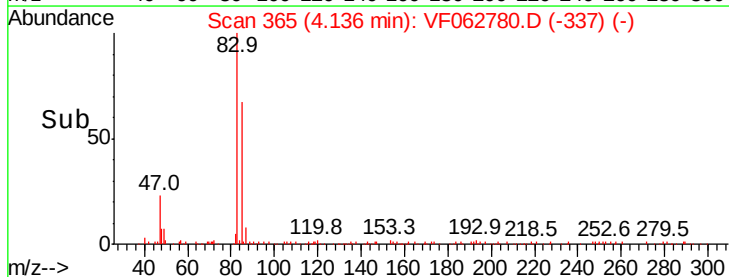
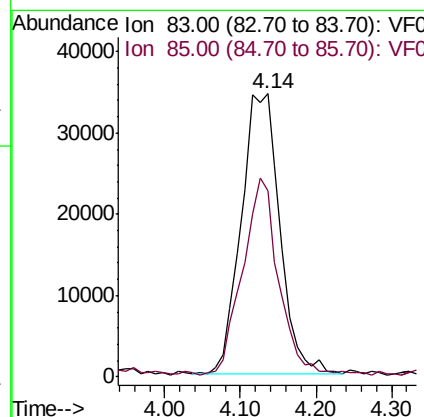
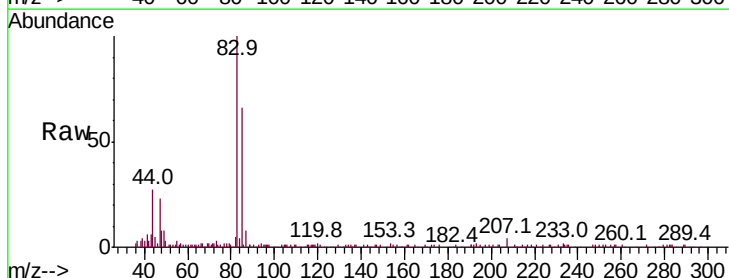
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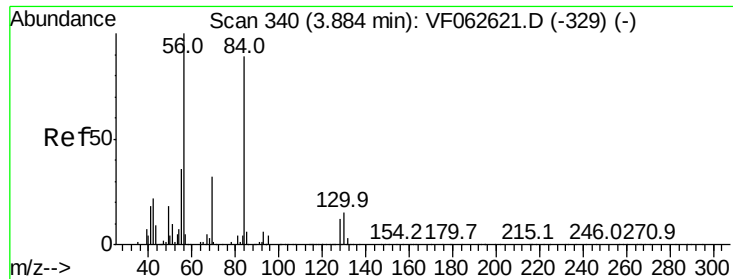
mmdadoda
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#30
Chloroform
Concen: 35.432 ug/l
RT: 4.14 min Scan# 365
Delta R.T. 0.07 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.6	80.4





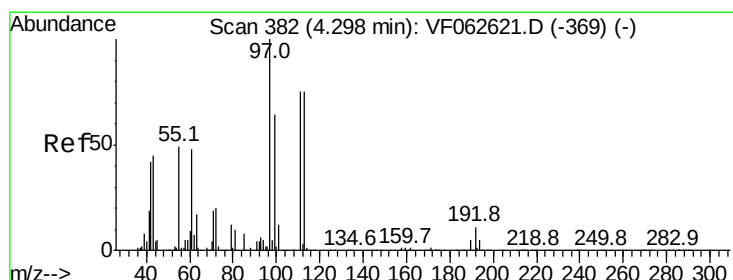
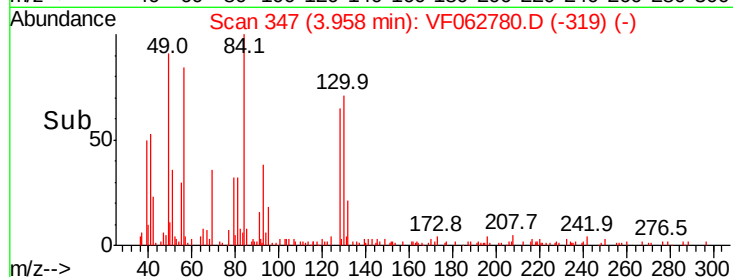
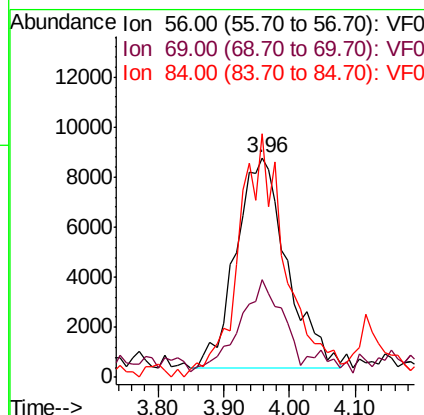
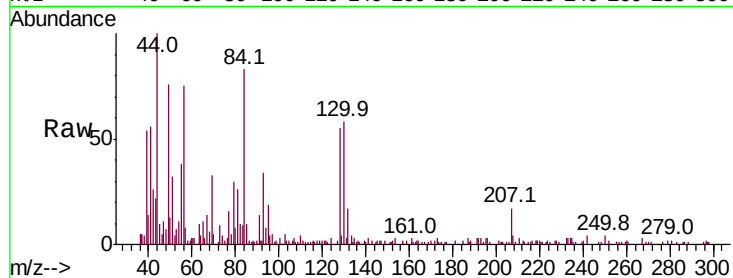
#31
Cyclohexane
Concen: 13.580 ug/l
RT: 3.96 min Scan# 347
Delta R.T. 0.07 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	44.5	25.3	37.9#
84	110.8	71.0	106.4#

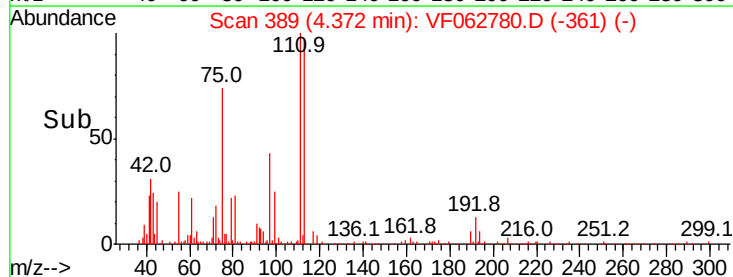
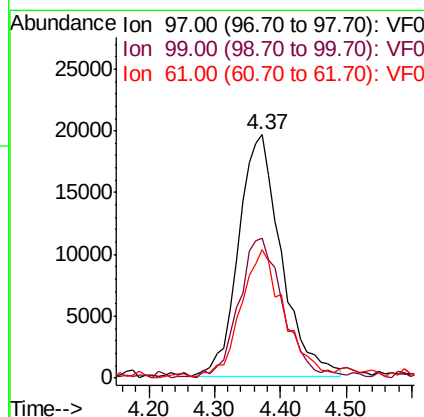
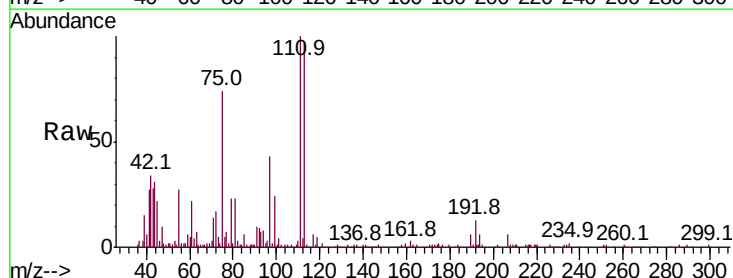
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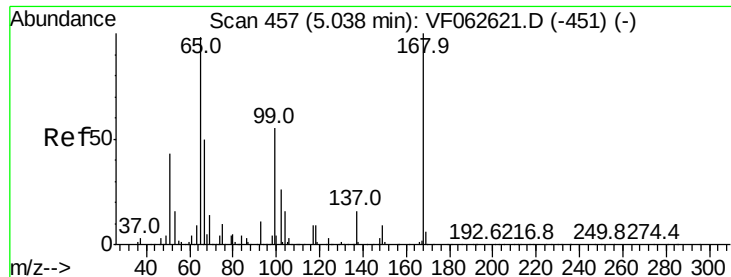
mmdadoda
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#32
1,1,1-Trichloroethane
Concen: 38.517 ug/l
RT: 4.37 min Scan# 389
Delta R.T. 0.07 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	57.4	51.3	76.9
61	52.8	38.2	57.2





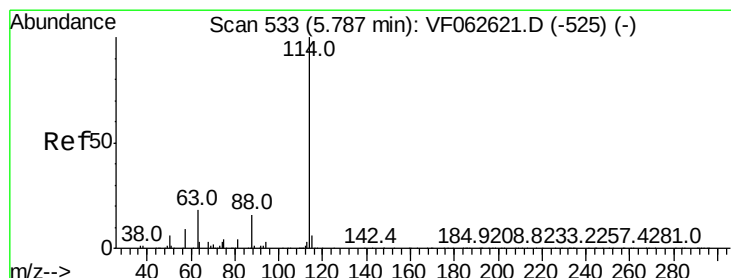
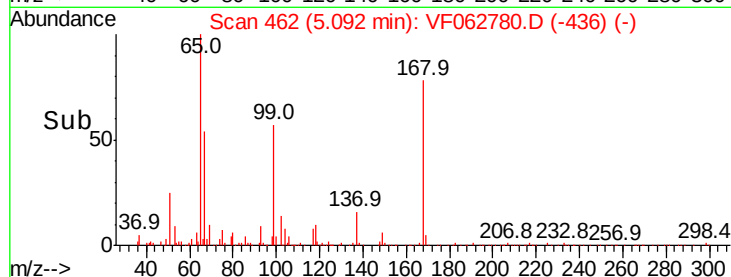
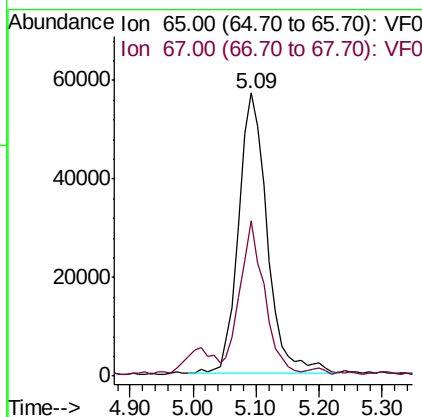
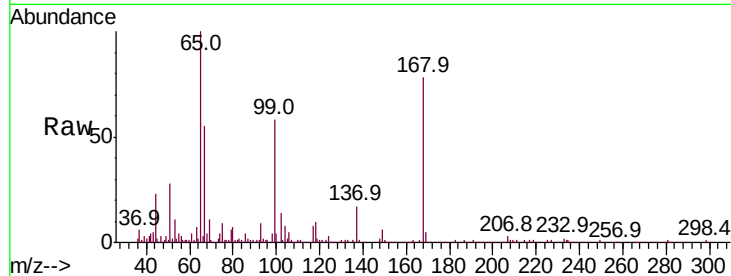
#33
 1,2-Dichloroethane-d4
 Concen: 147.711 ug/l
 RT: 5.09 min Scan# 462
 Delta R.T. 0.05 min
 Lab File: VF062780.D
 Acq: 29 May 2019 14:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	177886		
67	54.8	0.0	117.6	

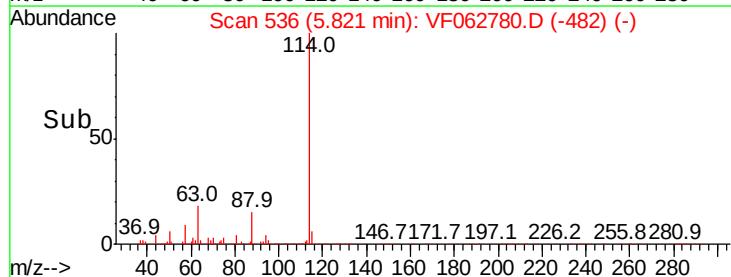
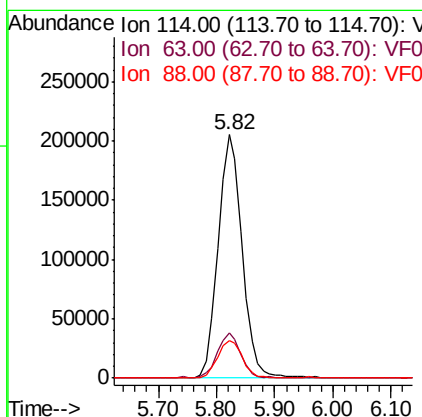
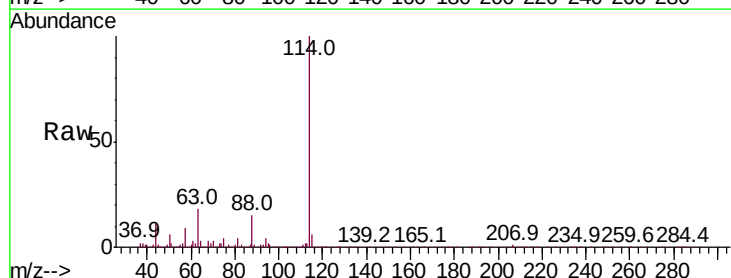
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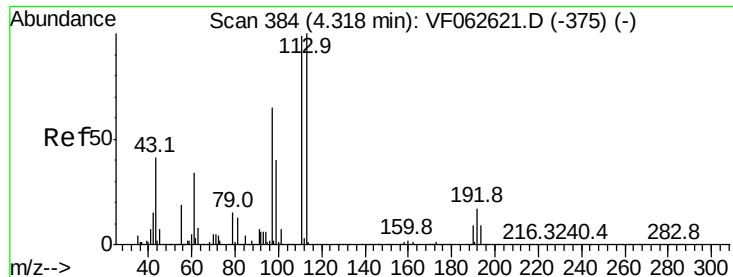
mmdadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.82 min Scan# 536
 Delta R.T. 0.03 min
 Lab File: VF062780.D
 Acq: 29 May 2019 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	586838		
63	18.5	0.0	35.4	
88	15.3	0.0	32.4	





#35

Dibromofluoromethane

Concen: 35.268 ug/l

RT: 4.38 min Scan# 390

Delta R.T. 0.06 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

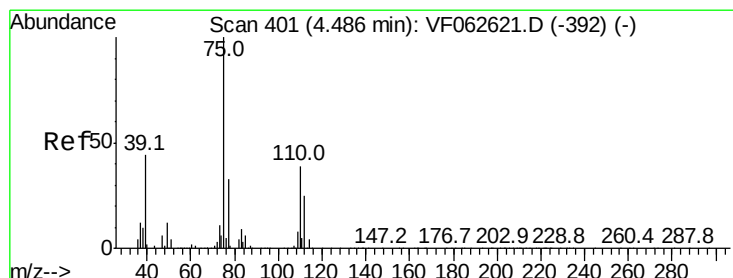
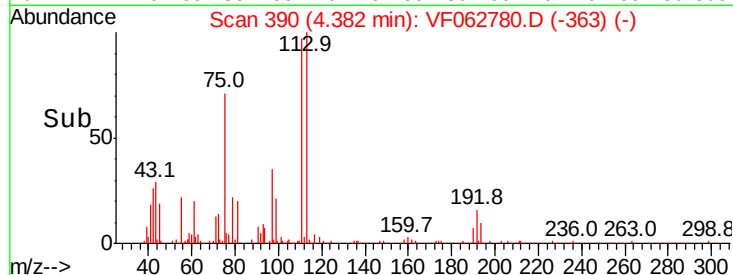
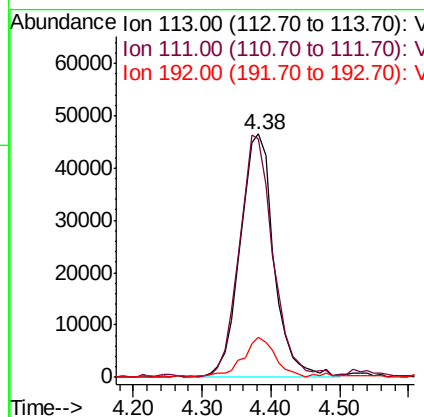
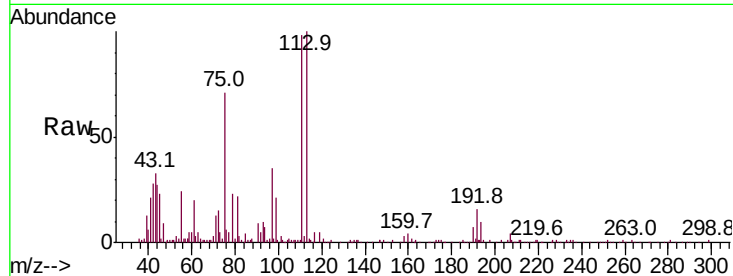
ClientSampleId :

VF0529SBS02

Tot Ion:	113	Resp:	158369
Ion Ratio	Lower	Upper	
113	100		
111	97.9	79.4	119.2
192	16.7	13.4	20.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 10.381 ug/l

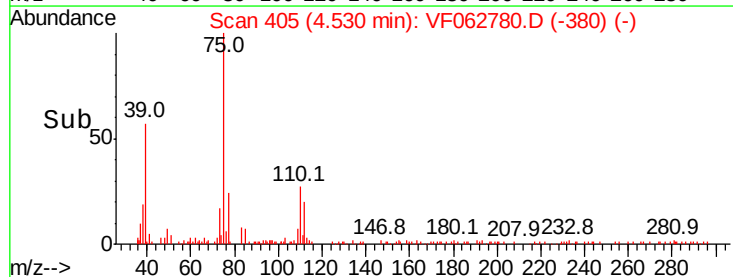
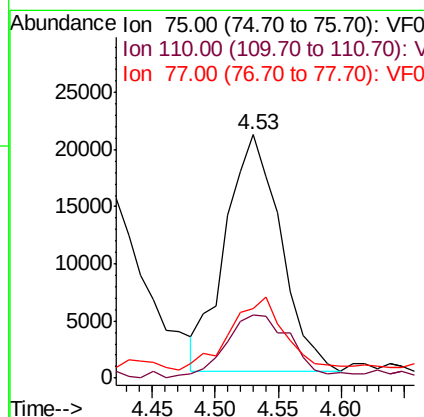
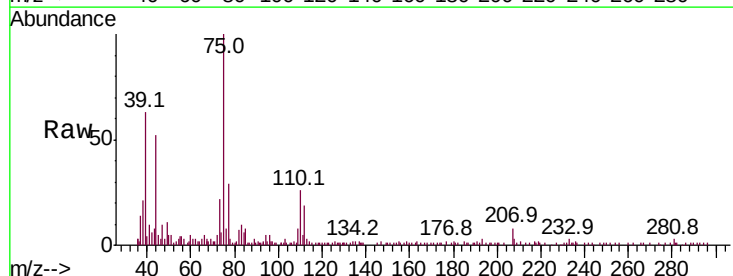
RT: 4.53 min Scan# 405

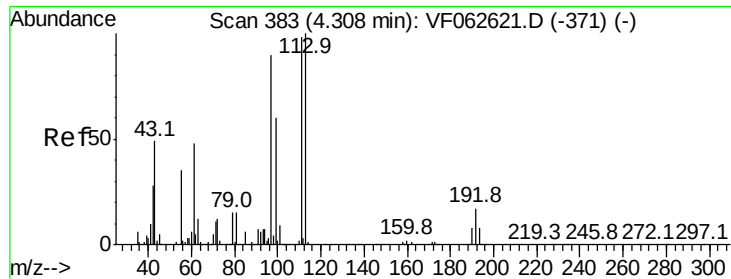
Delta R.T. 0.04 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion:	75	Resp:	62426
Ion Ratio	Lower	Upper	
75	100		
110	26.1	19.7	59.1
77	28.7	26.3	39.5





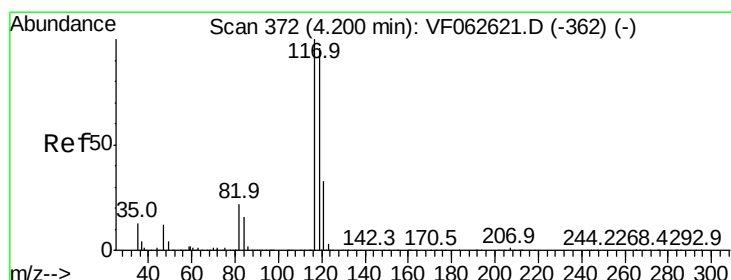
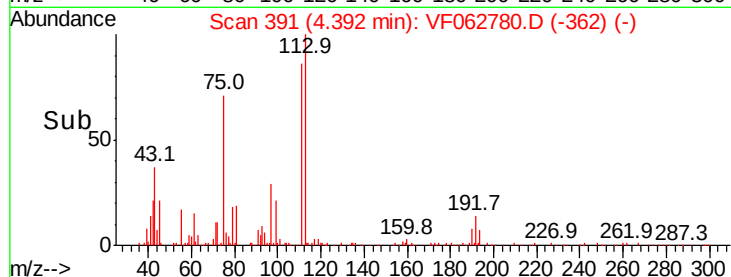
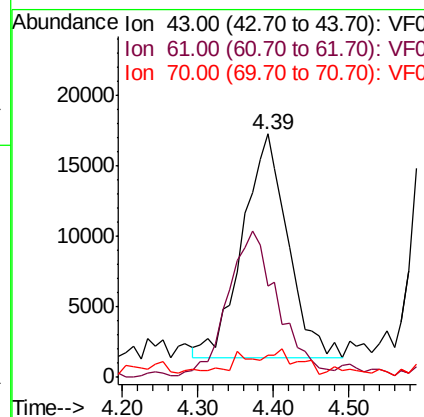
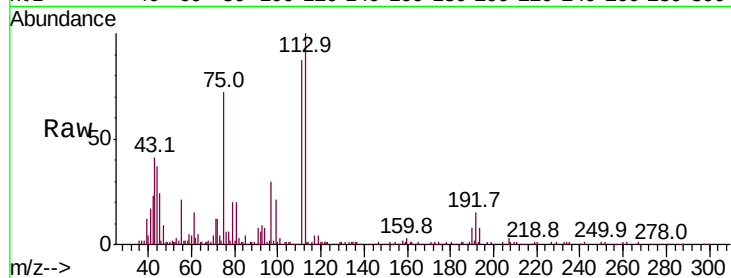
#37
Ethyl Acetate
Concen: 26.950 ug/l
RT: 4.39 min Scan# 391
Delta R.T. 0.08 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	37.6	76.9	115.3#
70	9.3	8.8	13.2

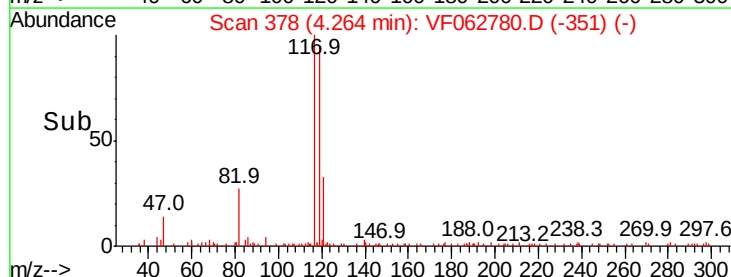
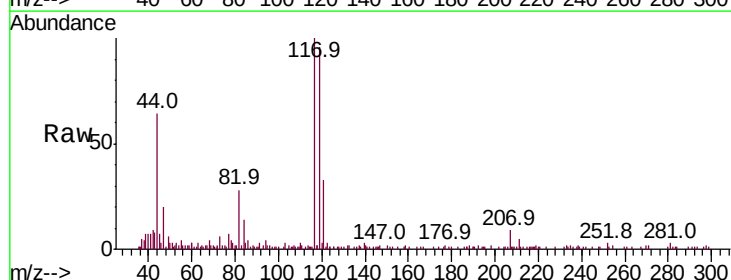
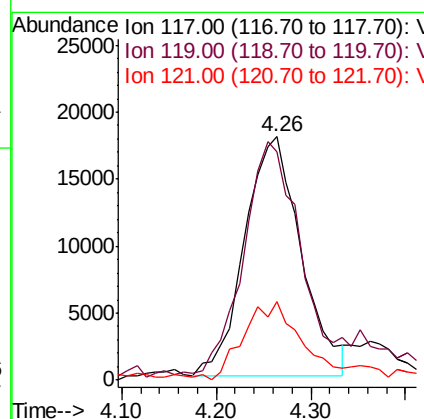
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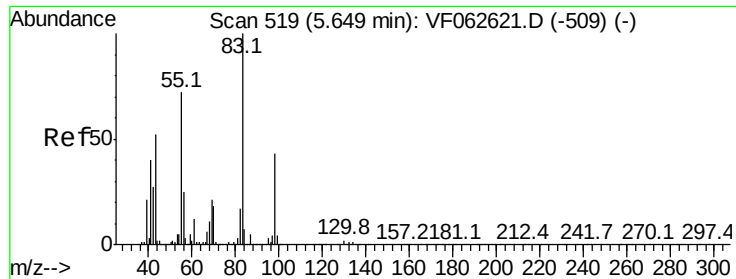
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#38
Carbon Tetrachloride
Concen: 16.493 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.06 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.7	115.1
121	32.1	26.6	40.0





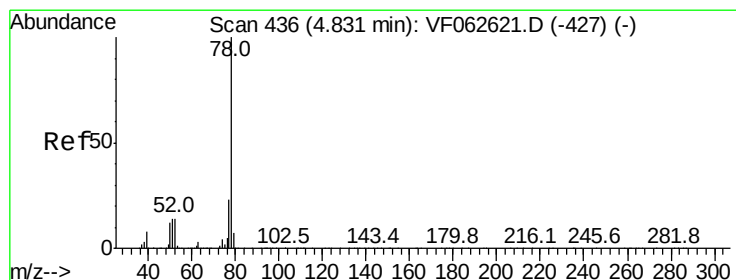
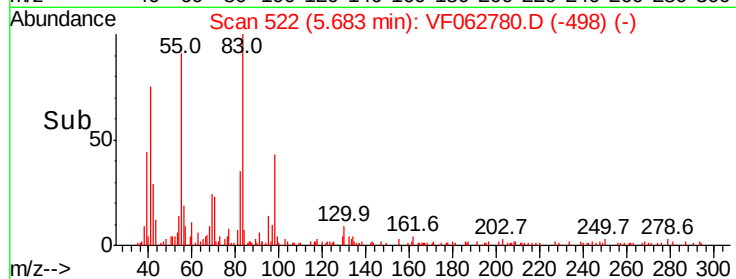
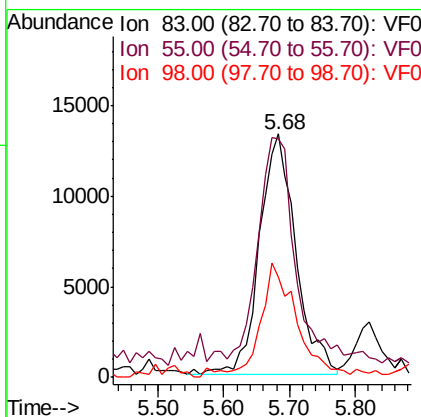
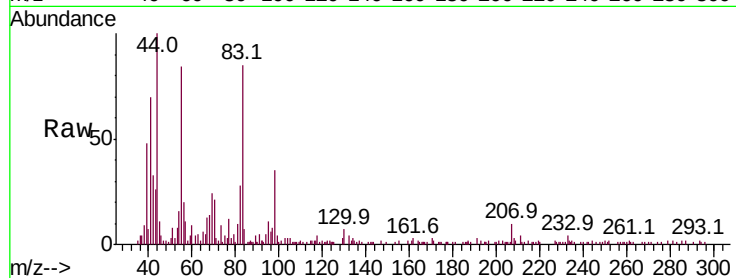
#39
Methylvlcyclohexane
Concen: 7.146 ug/l
RT: 5.68 min Scan# 522
Delta R.T. 0.03 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	97.9	57.9	86.9#	
98	41.1	34.6	52.0	

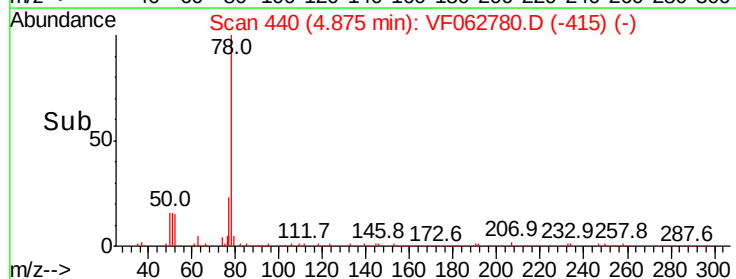
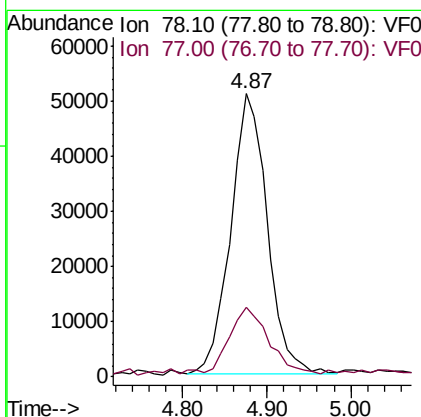
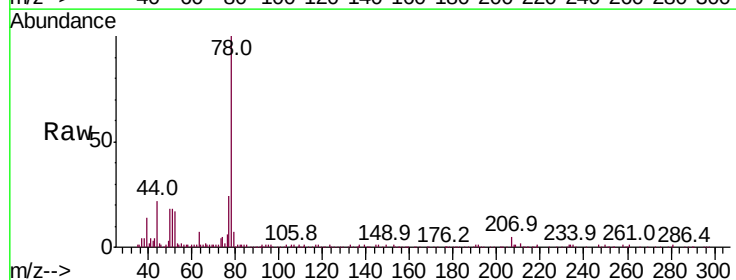
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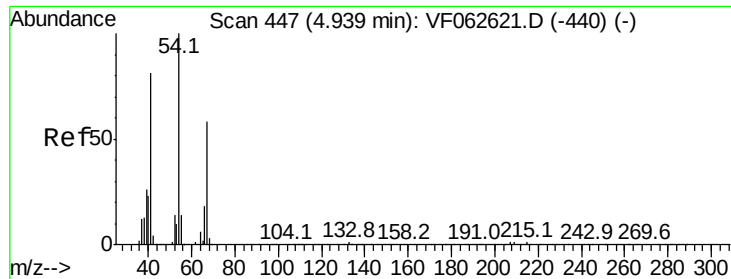
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#40
Benzene
Concen: 9.458 ug/l
RT: 4.87 min Scan# 440
Delta R.T. 0.04 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.5	18.2	27.2	





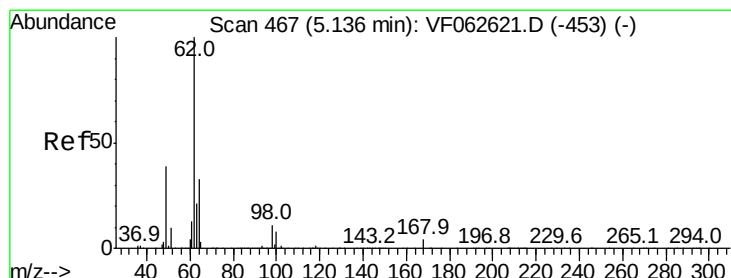
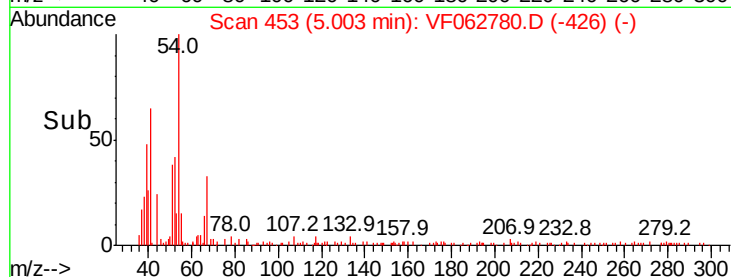
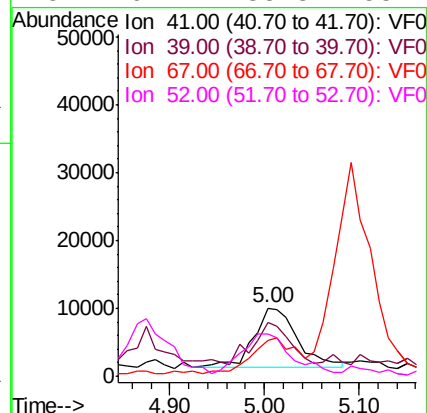
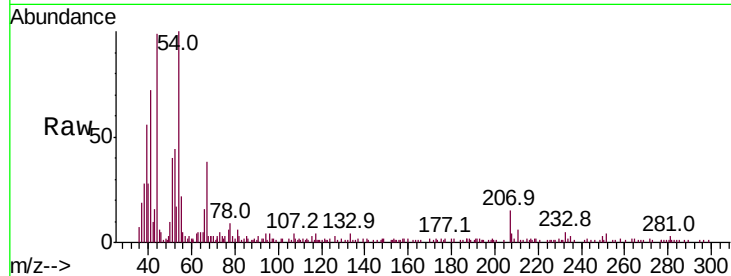
#41
Methacrylonitrile
Concen: 22.171 ug/l
RT: 5.00 min Scan# 453
Delta R.T. 0.06 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	77.7	42.2	63.2#
67	52.2	56.4	84.6#
52	61.2	38.8	58.2#

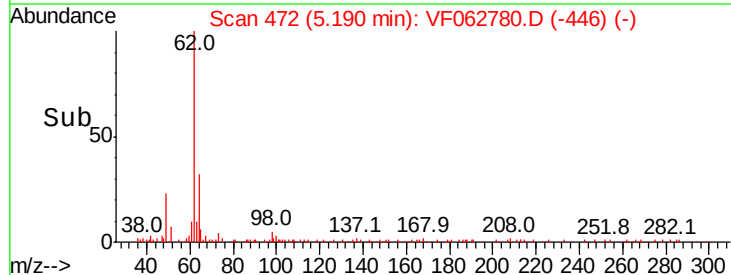
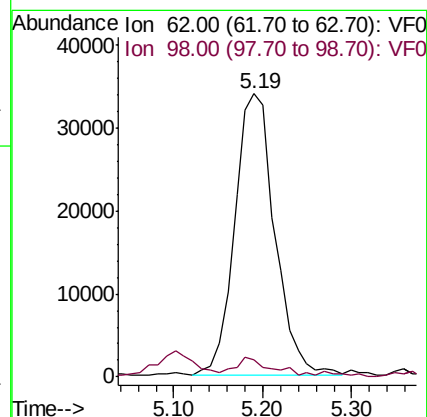
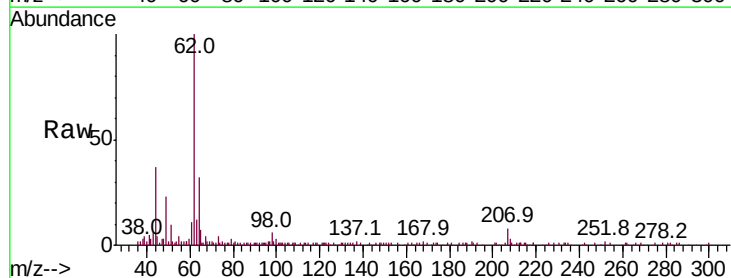
Manual Integrations
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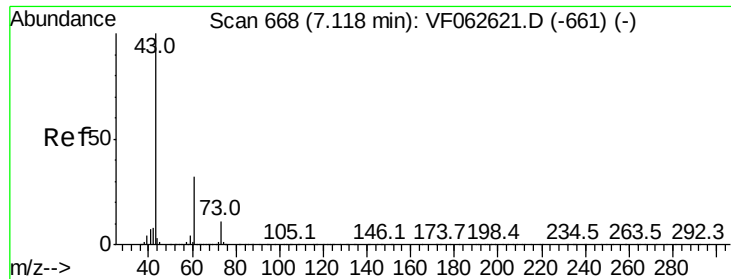
mmdadoda
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#42
1,2-Dichloroethane
Concen: 32.413 ug/l
RT: 5.19 min Scan# 472
Delta R.T. 0.05 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.1	0.0	21.6





#43

Isopropyl Acetate

Concen: 47.231 ug/l

RT: 7.18 min Scan# 674

Delta R.T. 0.06 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

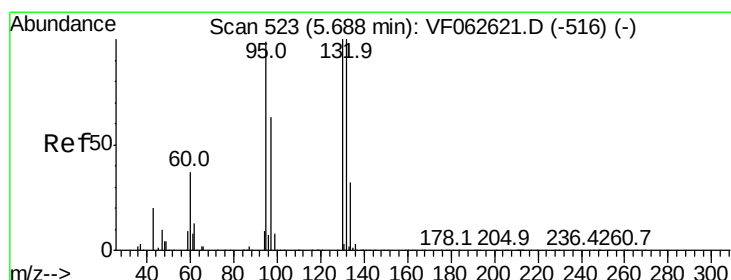
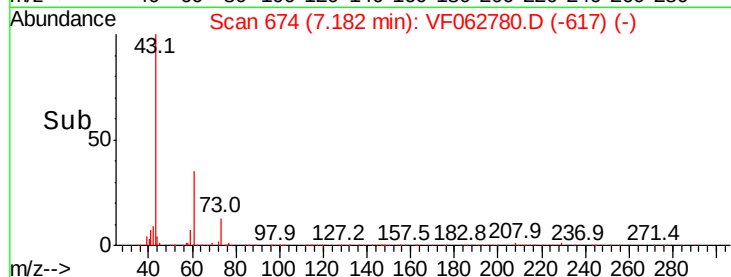
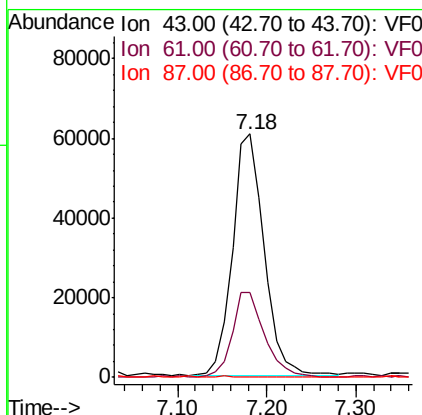
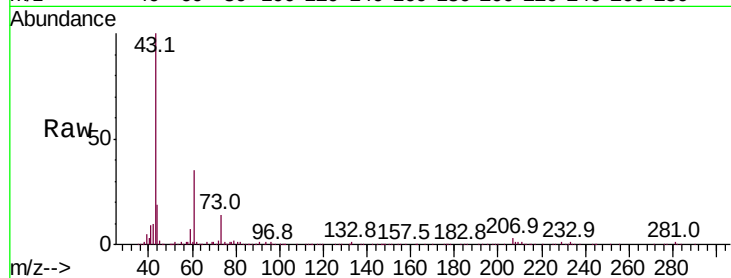
ClientSampleId :

VF0529SBS02

Tot Ion:	43	Resp:	150236
Ion Ratio	Lower	Upper	
43	100		
61	34.6	25.8	38.8
87	0.4	0.4	0.6

Manual Integrations
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#44

Trichloroethene

Concen: 11.417 ug/l

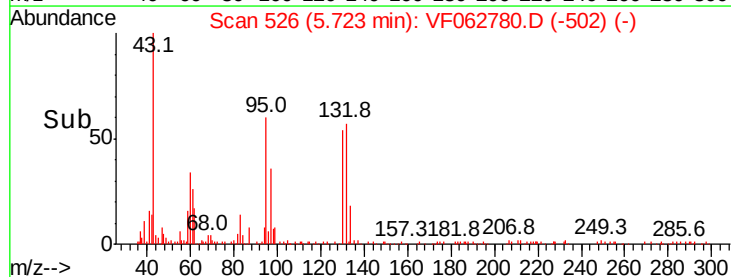
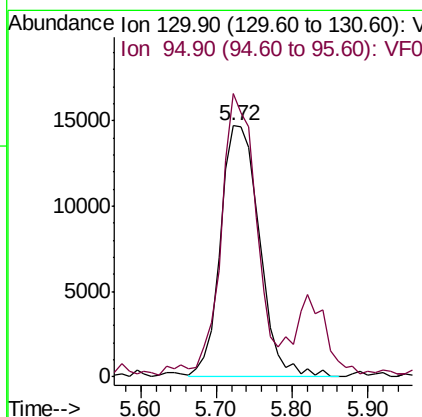
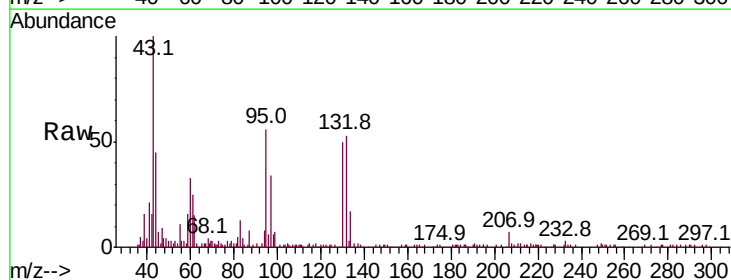
RT: 5.72 min Scan# 526

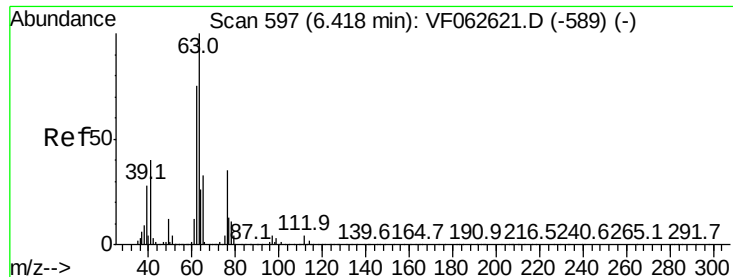
Delta R.T. 0.03 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion:	130	Resp:	52566
Ion Ratio	Lower	Upper	
130	100		
95	112.8	0.0	199.4





#45

1,2-Dichloropropane

Concen: 28.319 ug/l

RT: 6.46 min Scan# 601

Delta R.T. 0.04 min

Lab File: VF062780.D

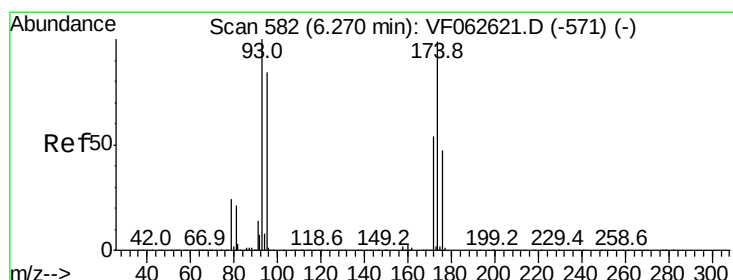
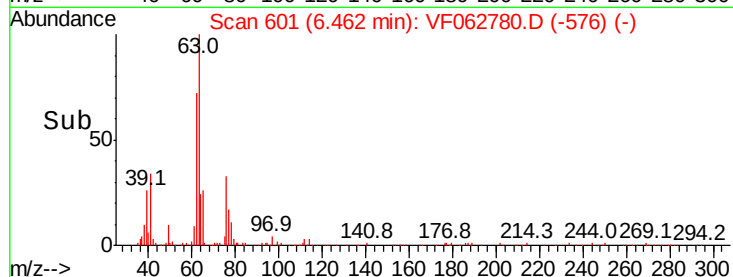
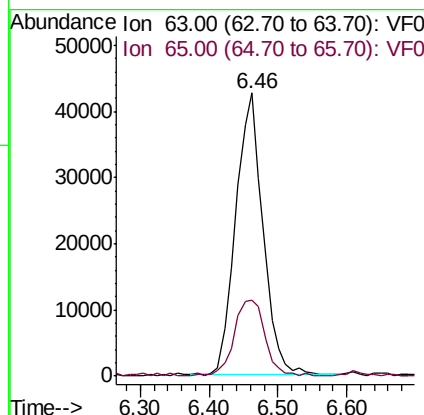
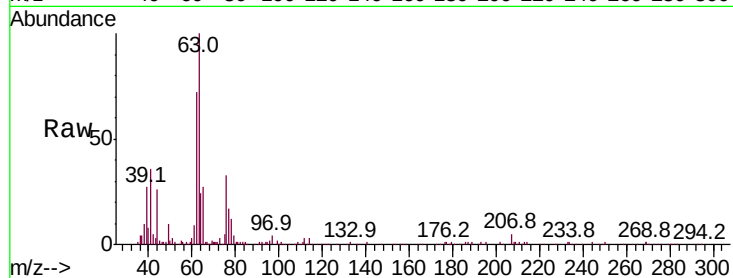
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	26.7	26.3	39.5

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#46

Dibromomethane

Concen: 36.090 ug/l

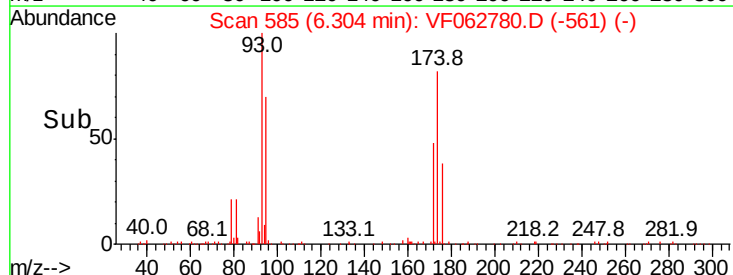
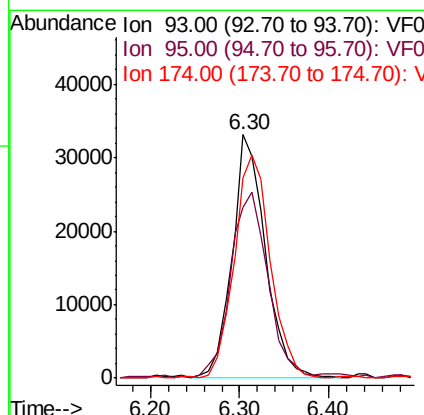
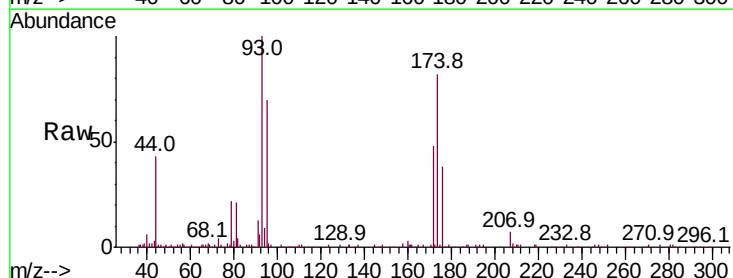
RT: 6.30 min Scan# 585

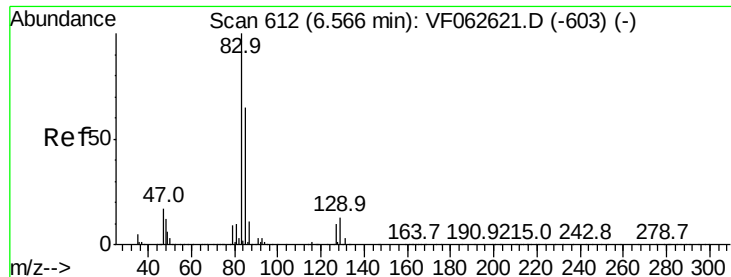
Delta R.T. 0.03 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	70.3	67.4	101.2
174	82.3	79.4	119.2





#47

Bromodichloromethane

Concen: 29.221 ug/l

RT: 6.60 min Scan# 615

Delta R.T. 0.03 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

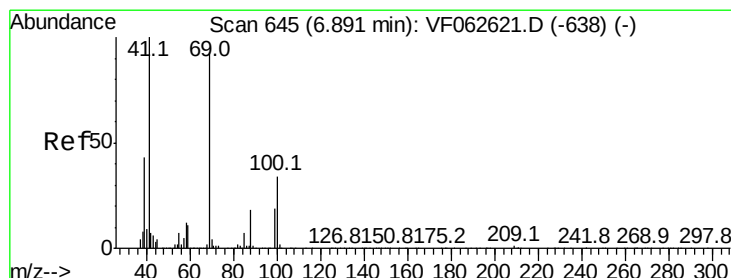
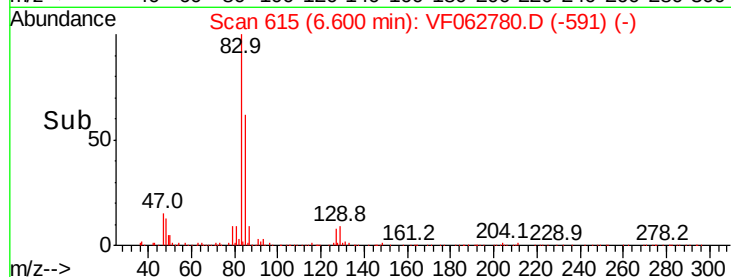
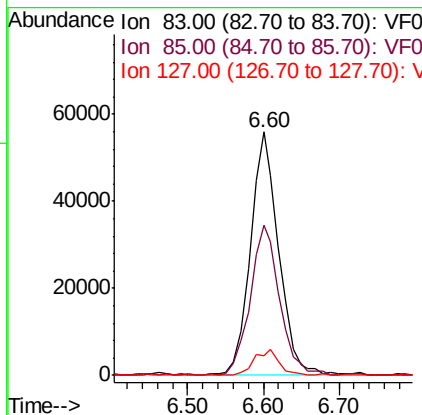
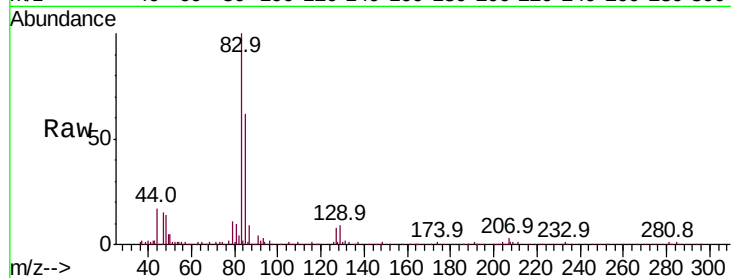
ClientSampleId :

VF0529SBS02

Tot Ion:	83	Resp:	144979
Ion	Ratio	Lower	Upper
83	100		
85	61.6	52.0	78.0
127	8.2	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.902 ug/l

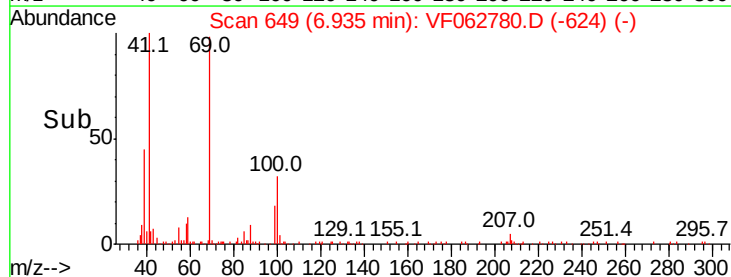
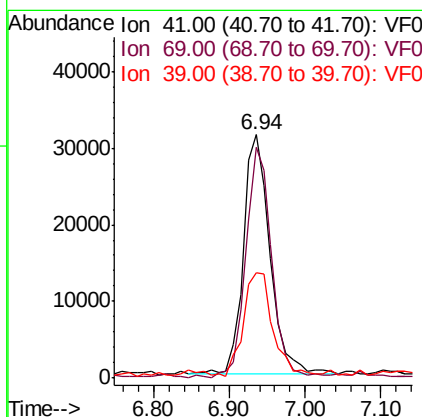
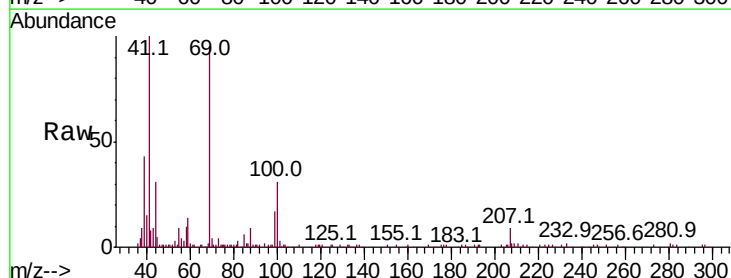
RT: 6.94 min Scan# 649

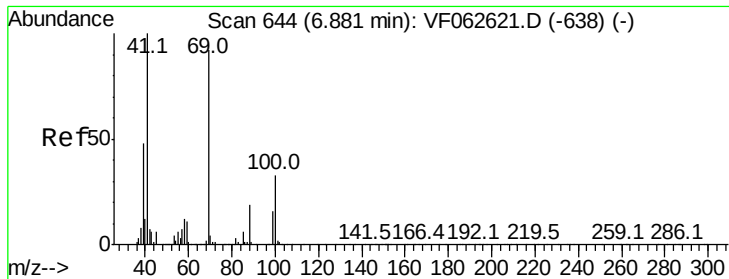
Delta R.T. 0.04 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion:	41	Resp:	76316
Ion	Ratio	Lower	Upper
41	100		
69	94.7	74.2	111.2
39	43.4	34.2	51.4





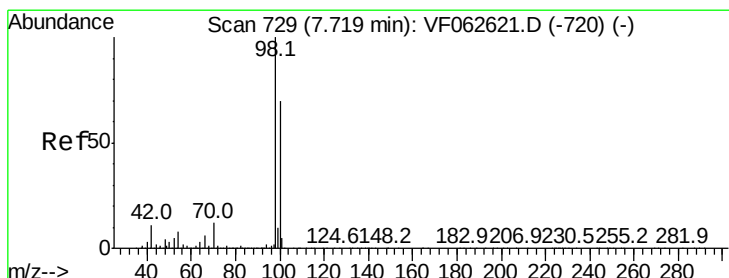
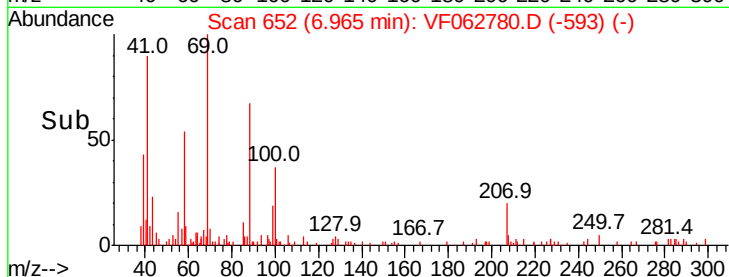
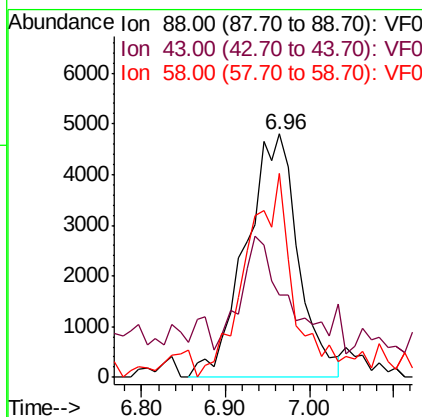
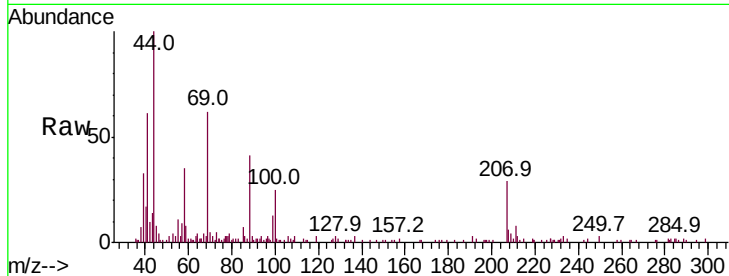
#49
1,4-Dioxane
Concen: 982.337 ug/l
RT: 6.96 min Scan# 652
Delta R.T. 0.08 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	33.8	30.0	45.0	
58	83.9	51.1	76.7#	

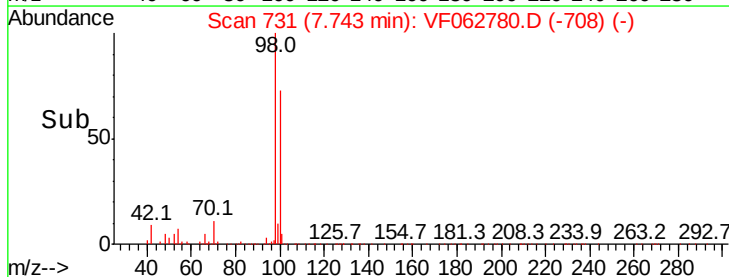
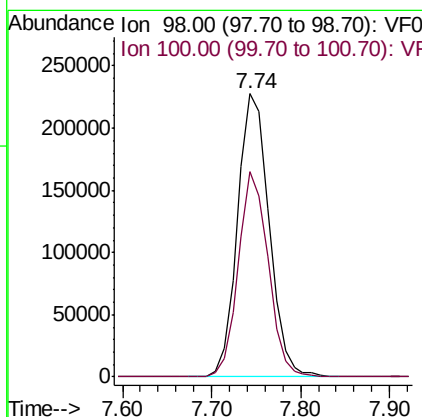
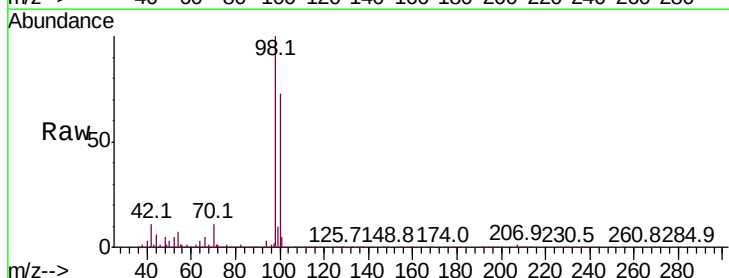
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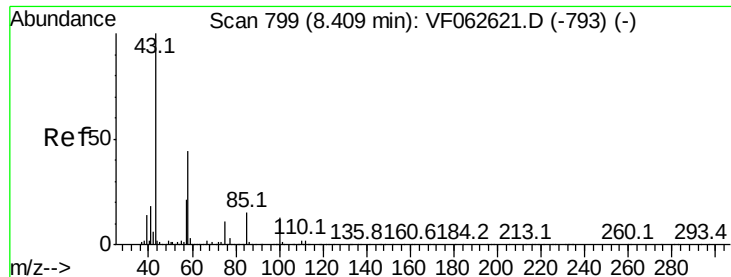
mmdadoda
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#50
Toluene-d8
Concen: 52.428 ug/l
RT: 7.74 min Scan# 731
Delta R.T. 0.02 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	72.6	56.2	84.2	





#51

4-Methyl-2-Pentanone

Concen: 239.334 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.04 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

Tot Ion: 43 Resp: 520368

Ion Ratio Lower Upper

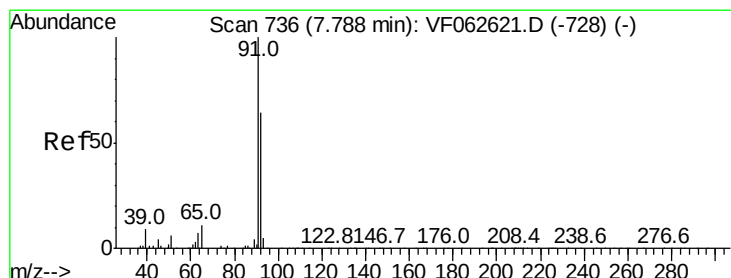
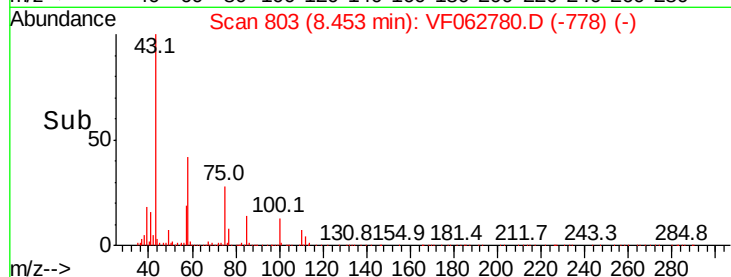
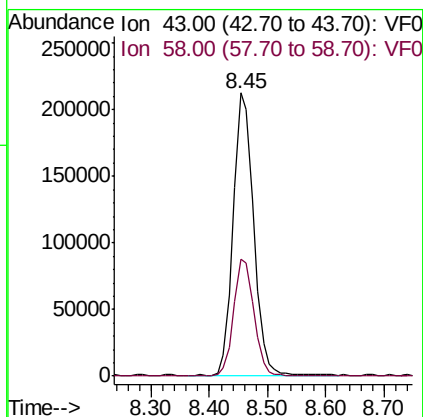
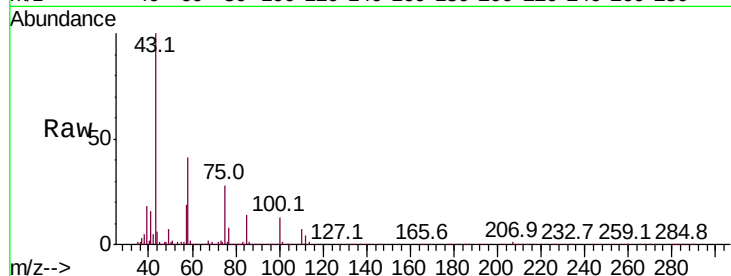
43 100

58 41.4 34.9 52.3

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#52

Toluene

Concen: 24.361 ug/l

RT: 7.81 min Scan# 738

Delta R.T. 0.02 min

Lab File: VF062780.D

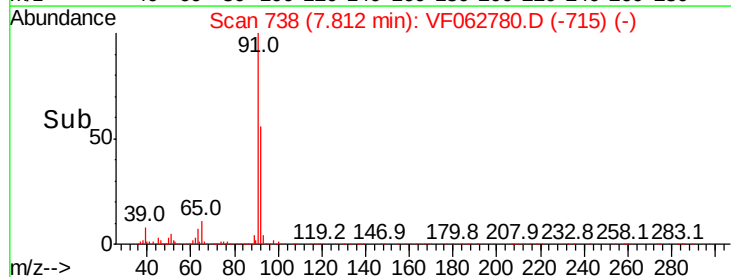
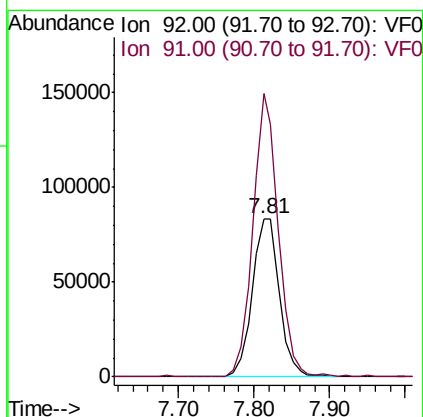
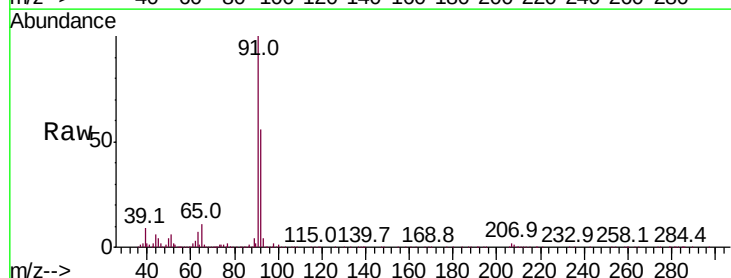
Acq: 29 May 2019 14:14

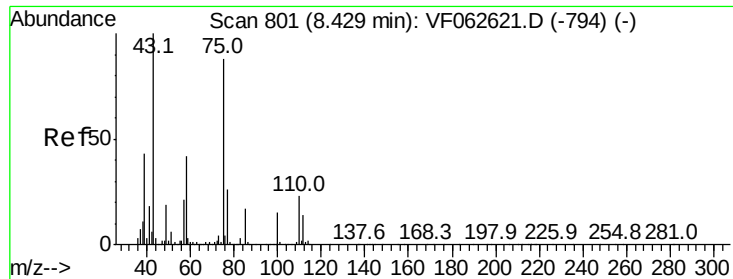
Tgt Ion: 92 Resp: 209294

Ion Ratio Lower Upper

92 100

91 179.2 125.4 188.0





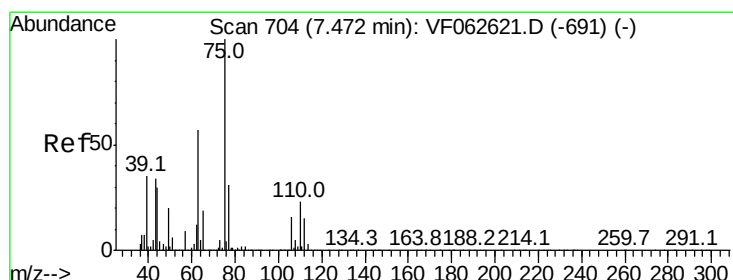
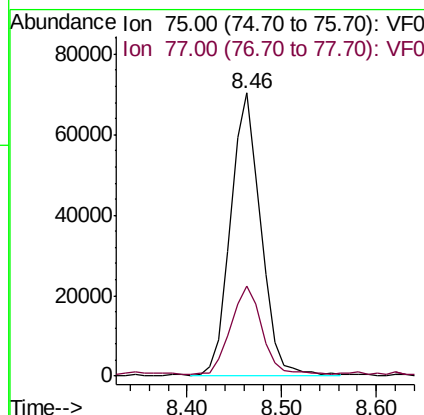
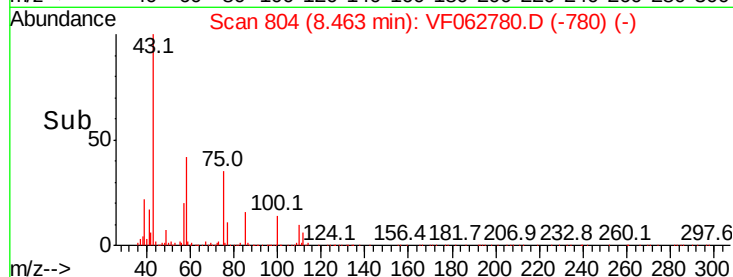
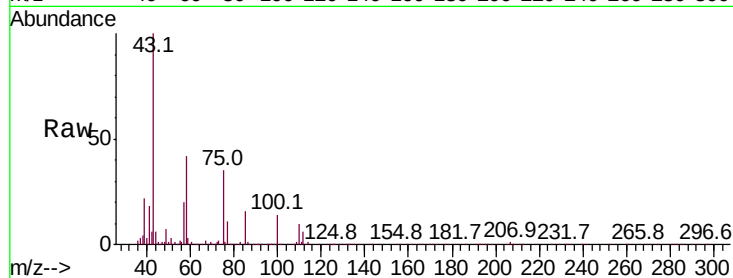
#53
t-1,3-Dichloropropene
Concen: 38.456 ug/l
RT: 8.46 min Scan# 804
Delta R.T. 0.03 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion: 75 Resp: 156096
Ion Ratio Lower Upper
75 100
77 31.8 24.2 36.4

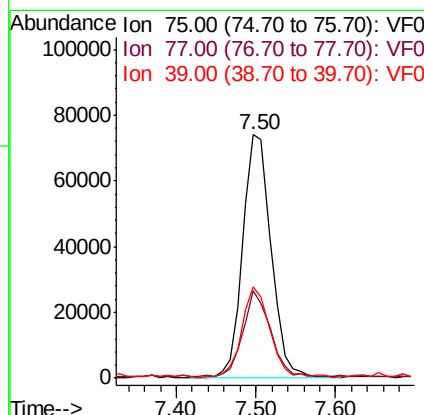
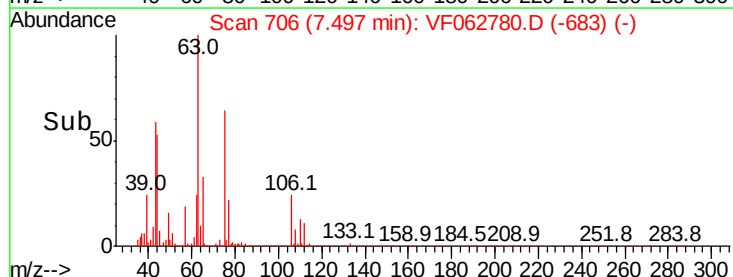
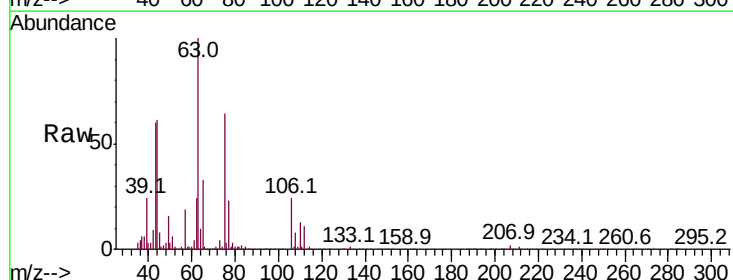
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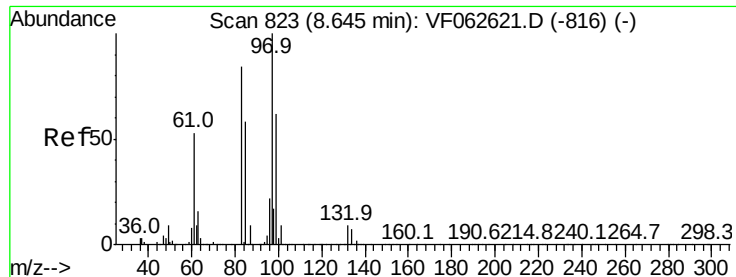
mmdadoda
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#54
cis-1,3-Dichloropropene
Concen: 31.933 ug/l
RT: 7.50 min Scan# 706
Delta R.T. 0.02 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion: 75 Resp: 181444
Ion Ratio Lower Upper
75 100
77 35.7 25.3 37.9
39 37.7 28.2 42.2





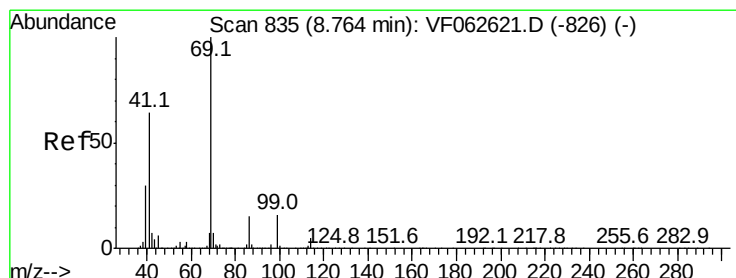
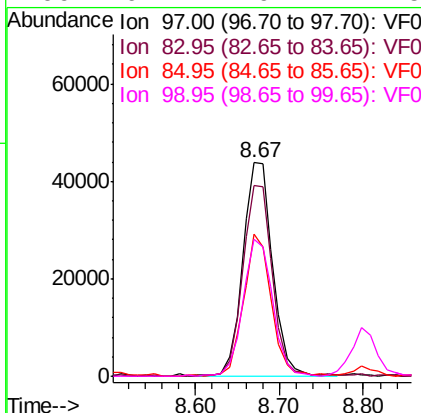
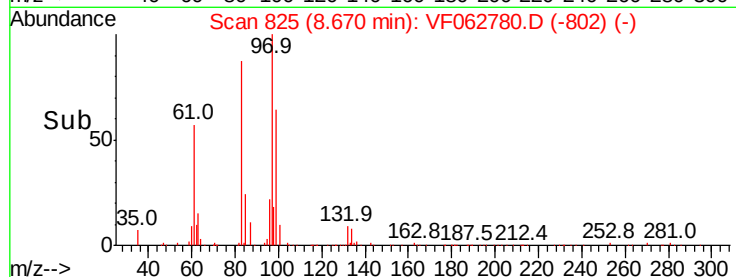
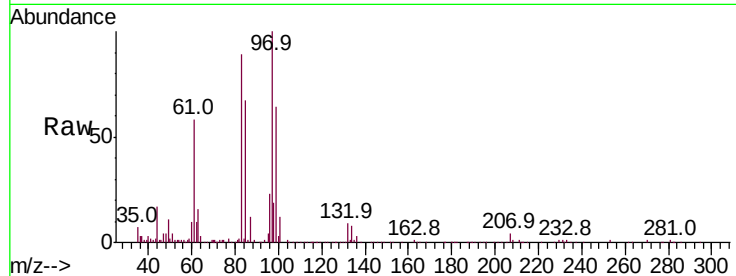
#55
1,1,2-Trichloroethane
Concen: 42.488 ug/l
RT: 8.67 min Scan# 825
Delta R.T. 0.02 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		108080		
83	89.3	67.3	100.9		
85	66.5	46.6	69.8		
99	64.2	49.7	74.5		

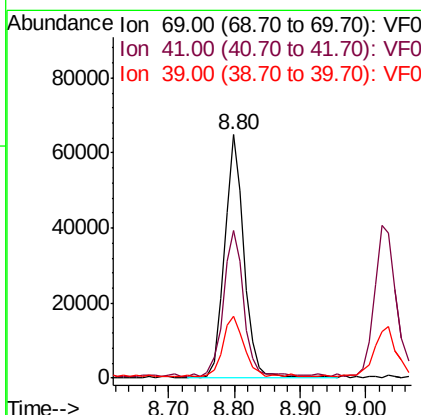
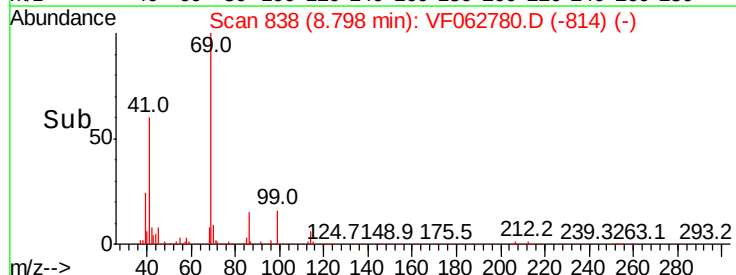
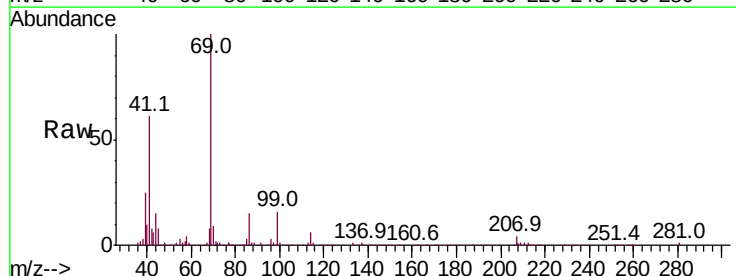
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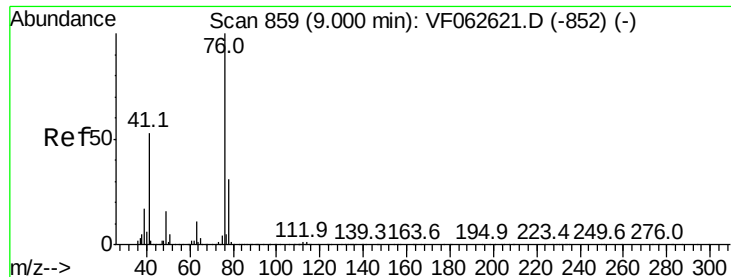
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#56
Ethyl methacrylate
Concen: 44.504 ug/l
RT: 8.80 min Scan# 838
Delta R.T. 0.03 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		134874		
41	60.6	51.4	77.2		
39	25.2	23.6	35.4		





#57

1,3-Dichloropropane

Concen: 41.934 ug/l

RT: 9.03 min Scan# 862

Delta R.T. 0.03 min

Lab File: VF062780.D

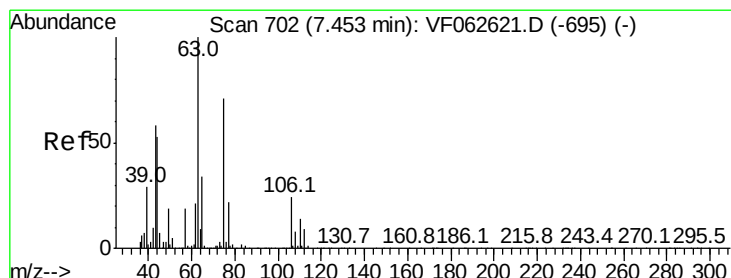
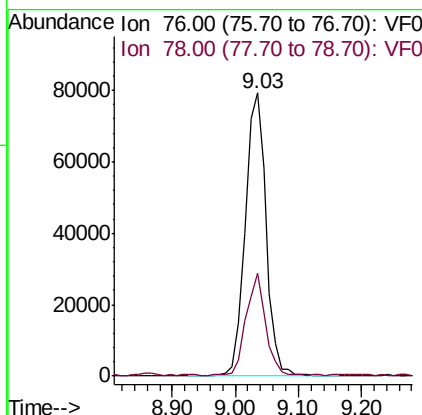
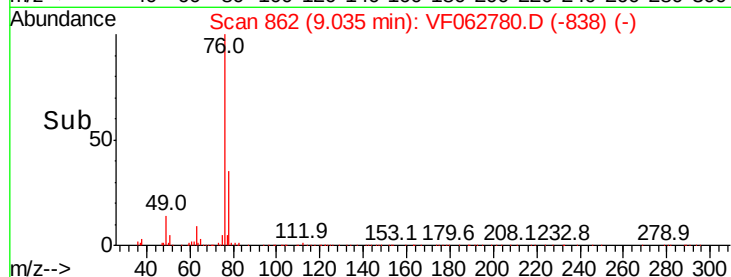
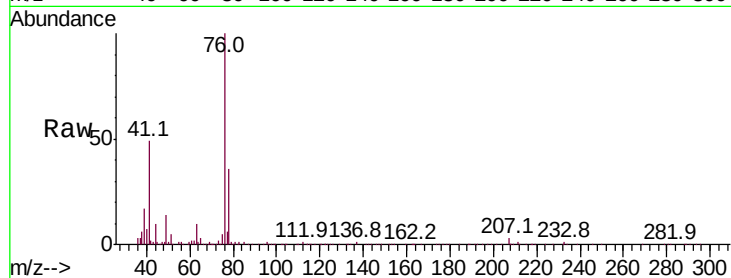
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	36.3	25.4	38.0

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#58

2-Chloroethyl Vinyl ether

Concen: 261.775 ug/l

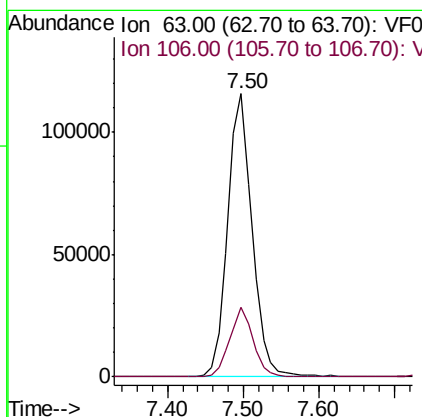
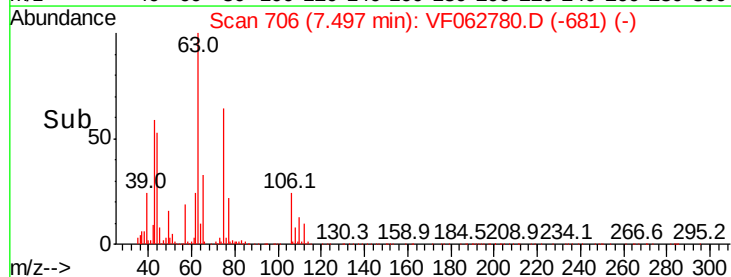
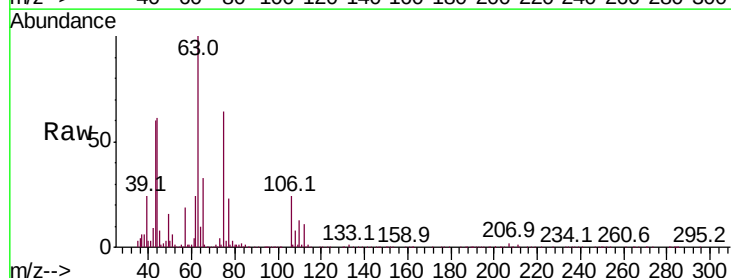
RT: 7.50 min Scan# 706

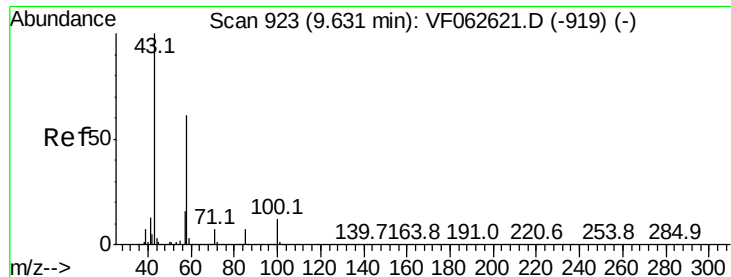
Delta R.T. 0.04 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.4	19.1	28.7





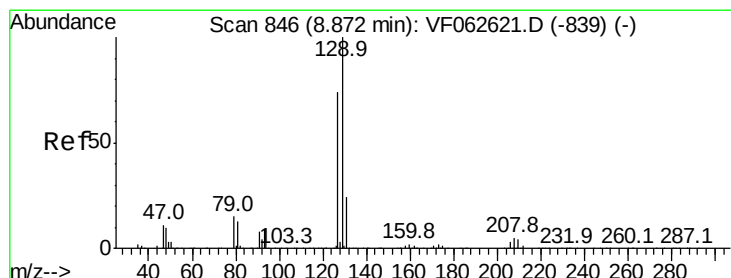
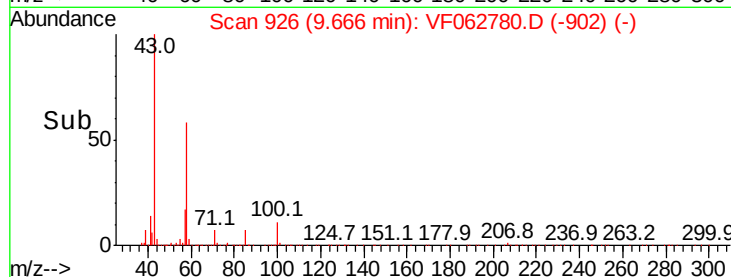
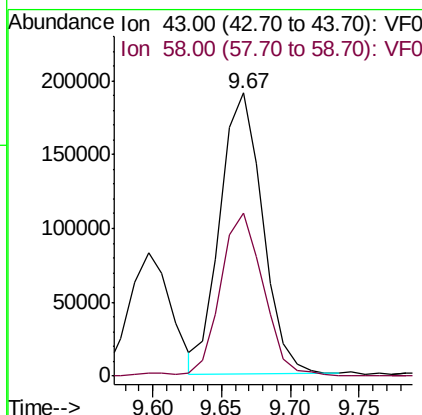
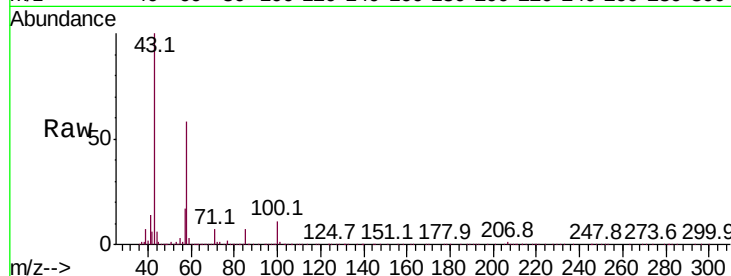
#59
2-Hexanone
Concen: 292.213 ug/l
RT: 9.67 min Scan# 926
Delta R.T. 0.03 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion: 43 Resp: 409101
Ion Ratio Lower Upper
43 100
58 57.6 28.1 84.4

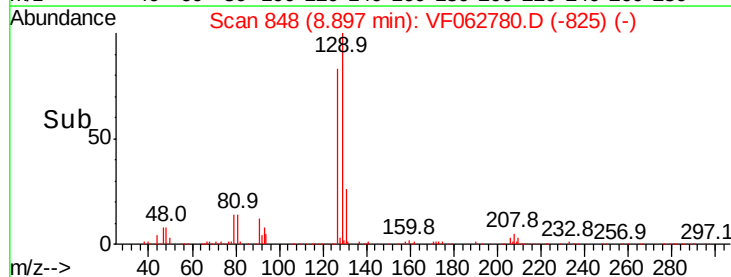
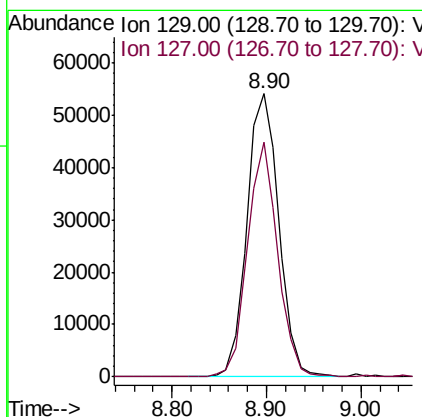
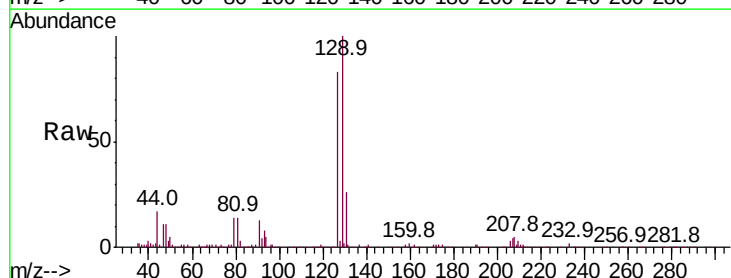
Manual Integrations
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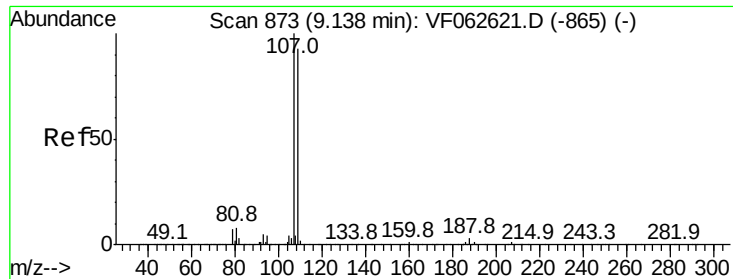
mmdadoda
5/30/2019 11:02:38 AM



#60
Dibromochloromethane
Concen: 38.249 ug/l
RT: 8.90 min Scan# 848
Delta R.T. 0.02 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion: 129 Resp: 126809
Ion Ratio Lower Upper
129 100
127 82.8 37.2 111.6





#61

1,2-Dibromoethane

Concen: 43.014 ug/l

RT: 9.17 min Scan# 876

Delta R.T. 0.03 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

Tot Ion:107 Resp: 116220

Ion Ratio Lower Upper

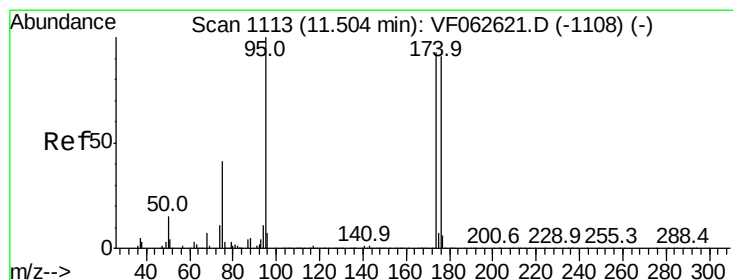
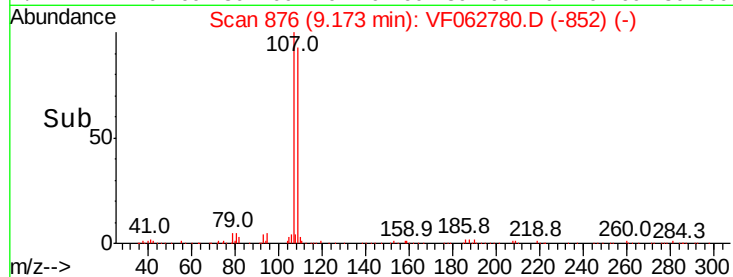
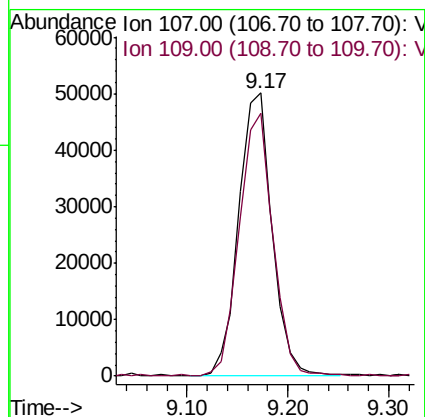
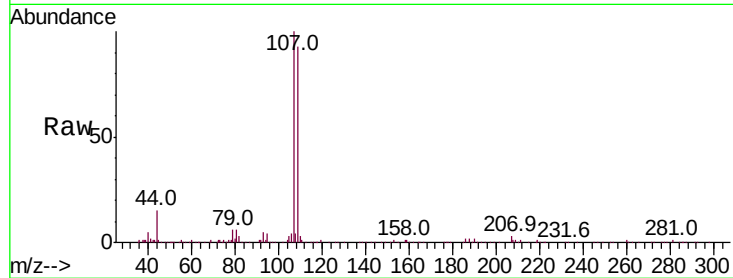
107 100

109 93.0 74.8 112.2

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#62

4-Bromofluorobenzene

Concen: 68.224 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

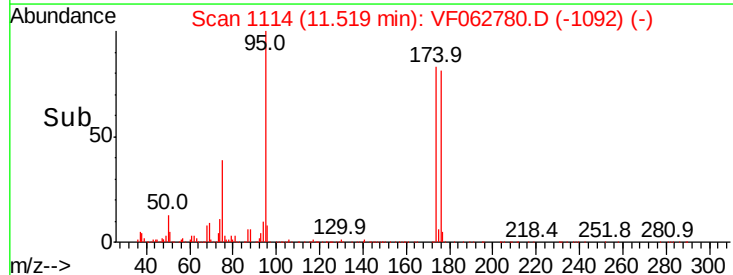
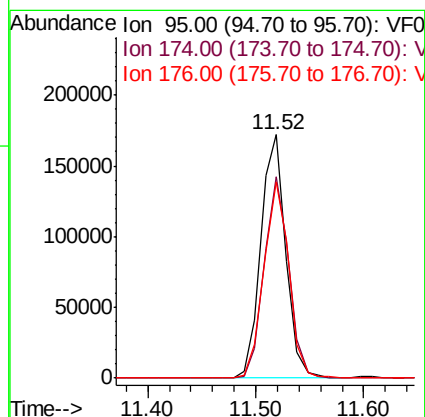
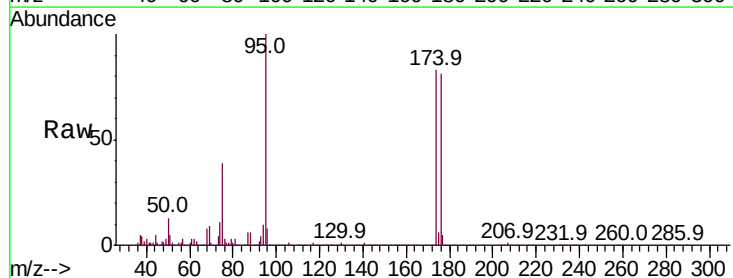
Tgt Ion: 95 Resp: 277422

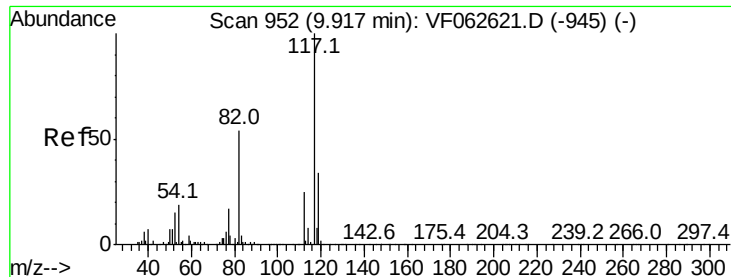
Ion Ratio Lower Upper

95 100

174 82.9 0.0 185.6

176 80.8 0.0 182.4





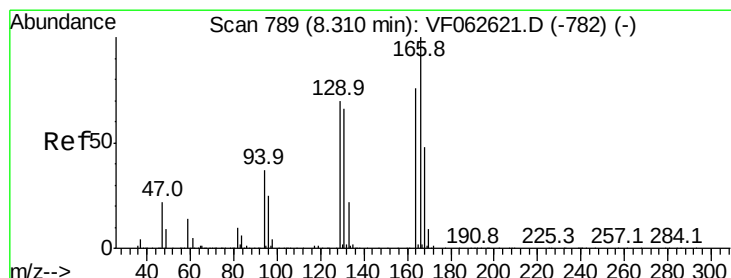
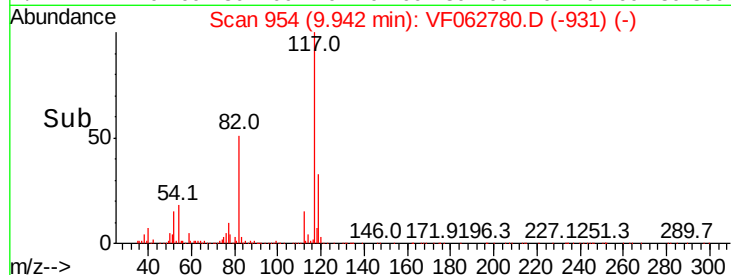
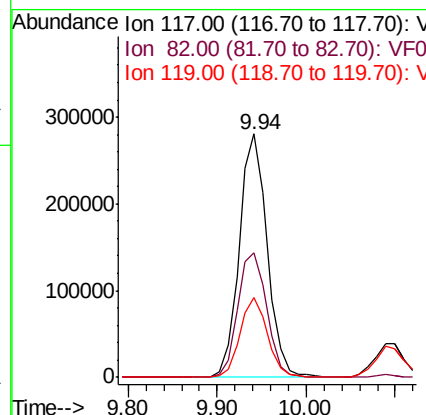
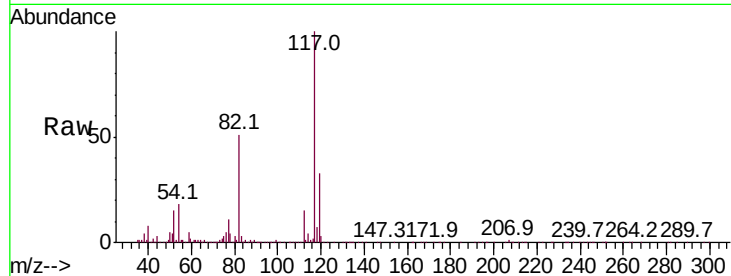
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.02 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	612714		
82	50.9	43.3	64.9	
119	32.9	27.4	41.0	

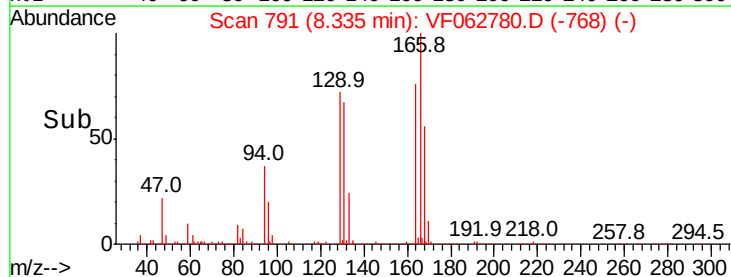
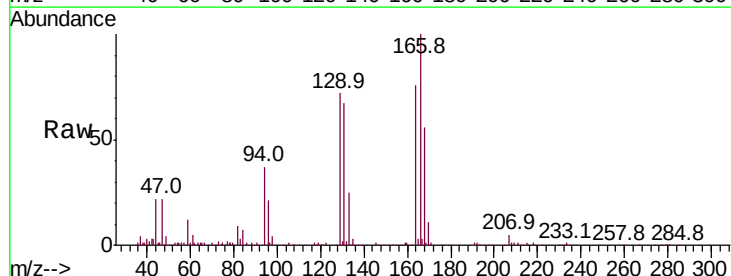
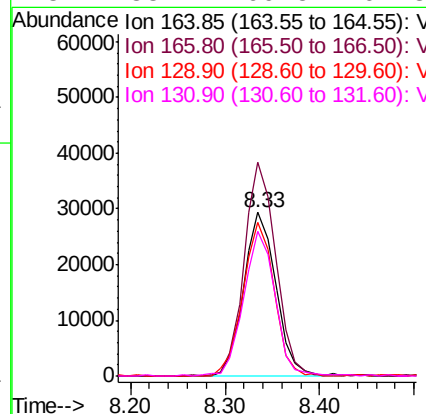
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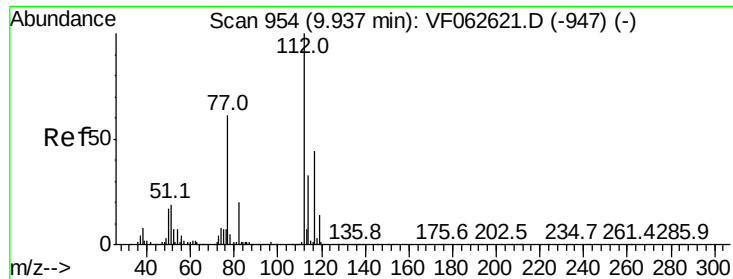
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#64
Tetrachloroethene
Concen: 14.286 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.02 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	69344		
166	130.7	105.5	158.3	
129	94.3	73.8	110.6	
131	88.2	69.5	104.3	





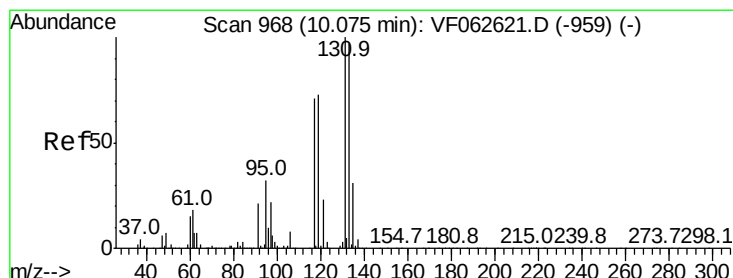
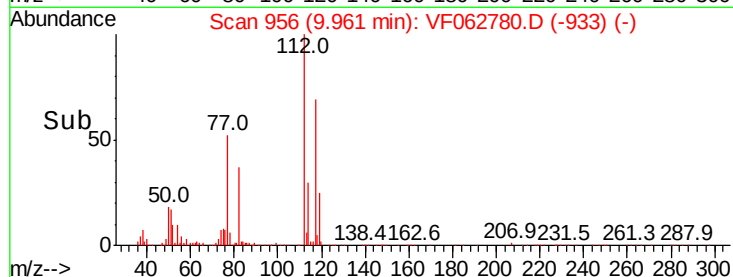
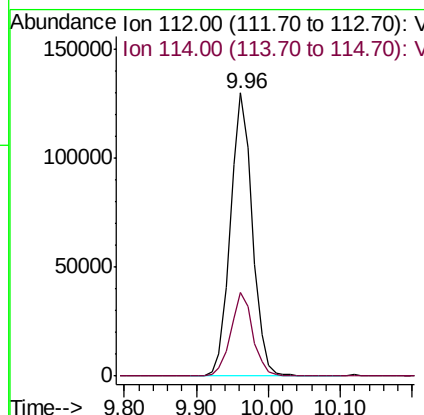
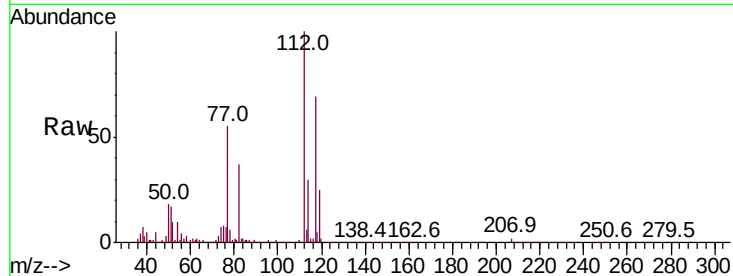
#65
Chlorobenzene
Concen: 22.878 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.02 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion:112 Resp: 275322
Ion Ratio Lower Upper
112 100
114 29.8 26.8 40.2

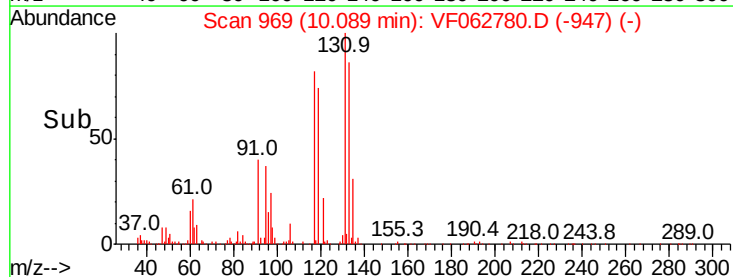
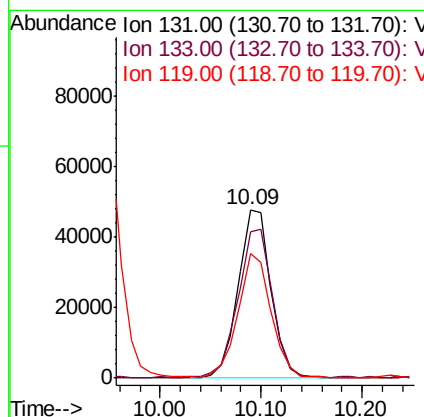
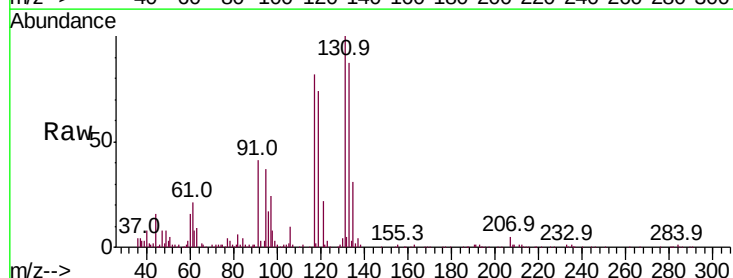
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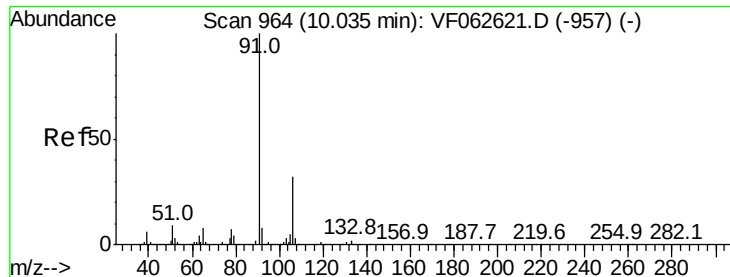
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.446 ug/l
RT: 10.09 min Scan# 969
Delta R.T. 0.01 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion:131 Resp: 108440
Ion Ratio Lower Upper
131 100
133 87.2 48.5 145.5
119 74.2 36.8 110.4





#67

Ethyl Benzene

Concen: 19.291 ug/l

RT: 10.06 min Scan# 966

Delta R.T. 0.02 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

Tot Ion: 91 Resp: 403297

Ion Ratio Lower Upper

91 100

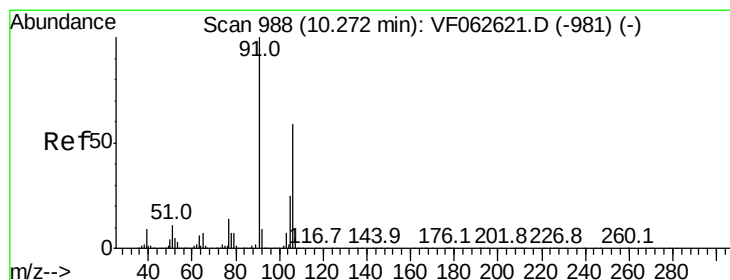
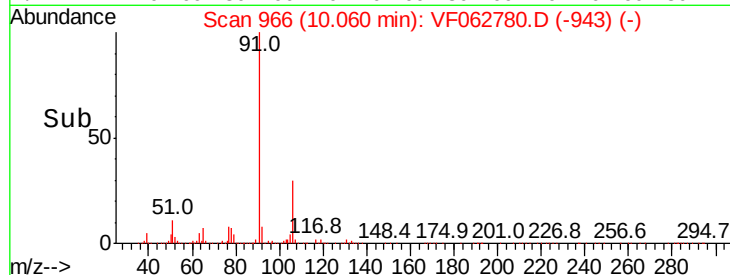
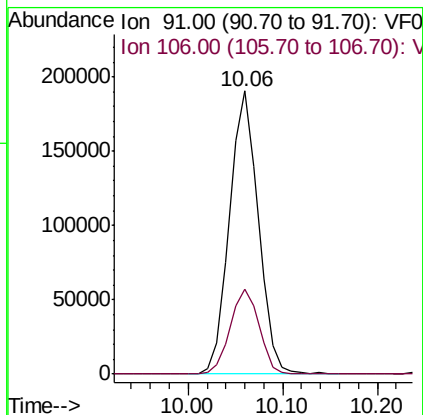
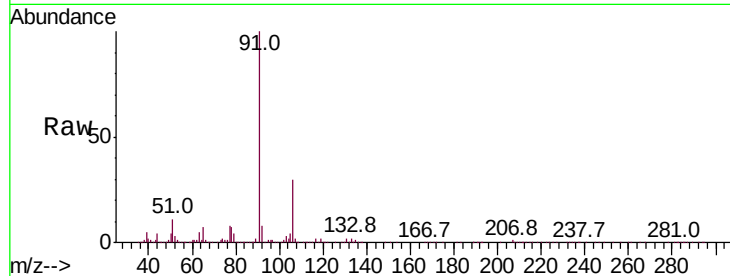
106 30.1 25.8 38.8

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#68

m/p-Xylenes

Concen: 37.266 ug/l

RT: 10.29 min Scan# 989

Delta R.T. 0.01 min

Lab File: VF062780.D

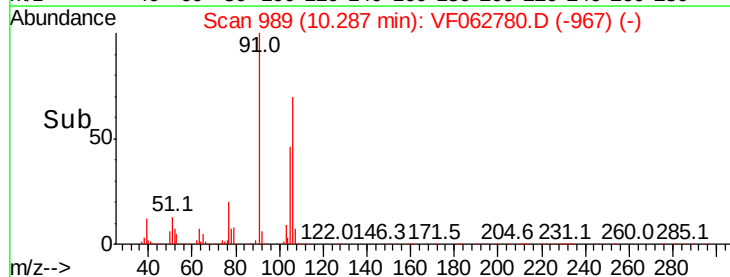
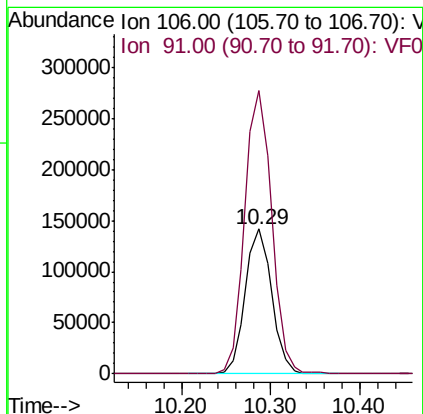
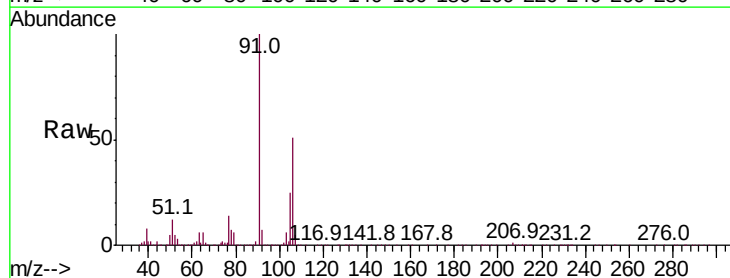
Acq: 29 May 2019 14:14

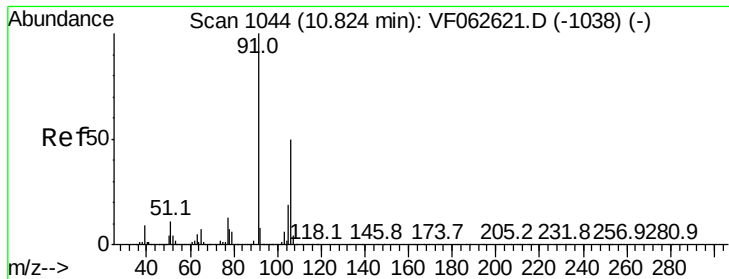
Tgt Ion: 106 Resp: 292819

Ion Ratio Lower Upper

106 100

91 195.7 136.9 205.3





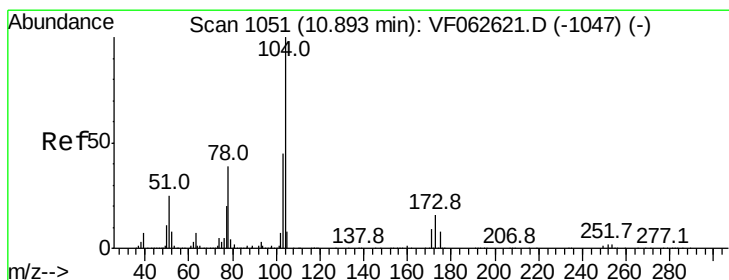
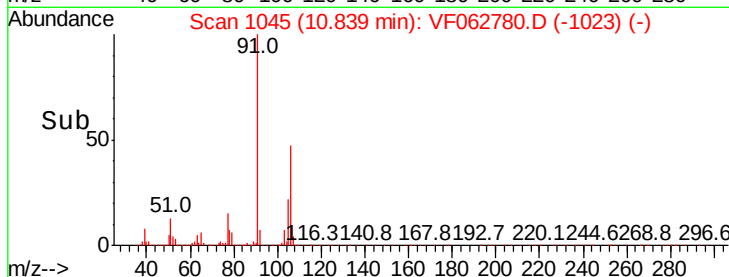
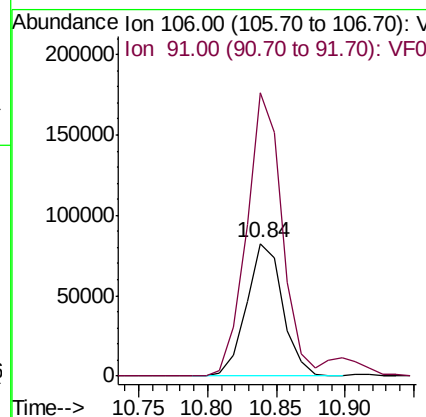
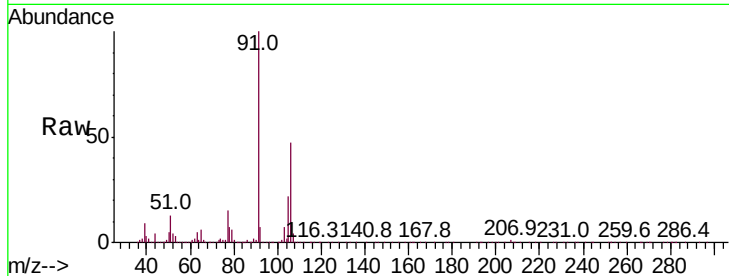
#69
o-Xylene
Concen: 18.776 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.8	100.2	300.5

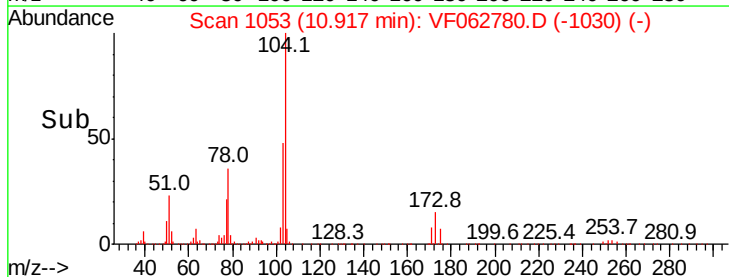
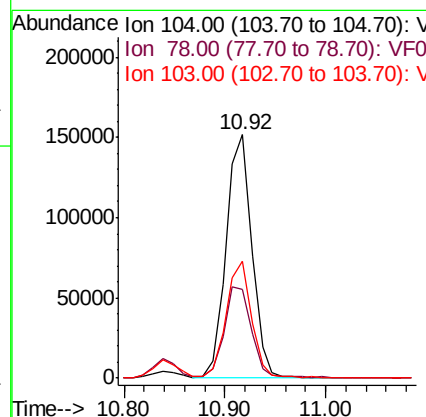
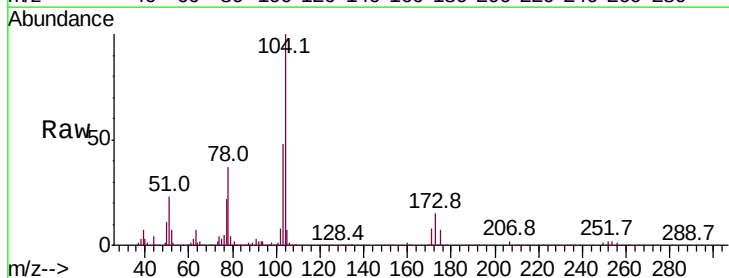
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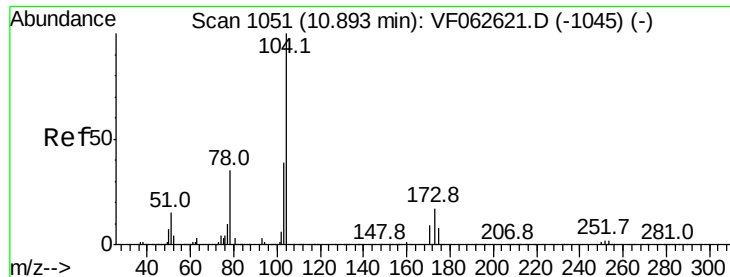
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#70
Styrene
Concen: 21.980 ug/l
RT: 10.92 min Scan# 1053
Delta R.T. 0.02 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
104	100		
78	36.5	31.9	47.9
103	47.9	36.1	54.1





#71

Bromoform

Concen: 34.985 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

Tot Ion:173 Resp: 84651

Ion Ratio Lower Upper

173 100

175 50.1 25.3 75.9

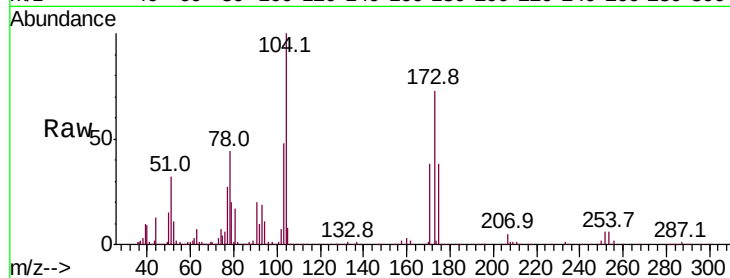
254 0.0 0.2 0.2#

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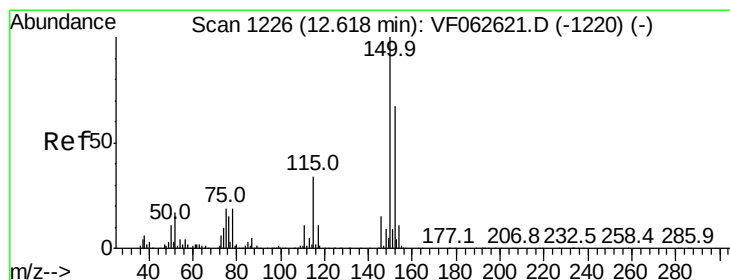
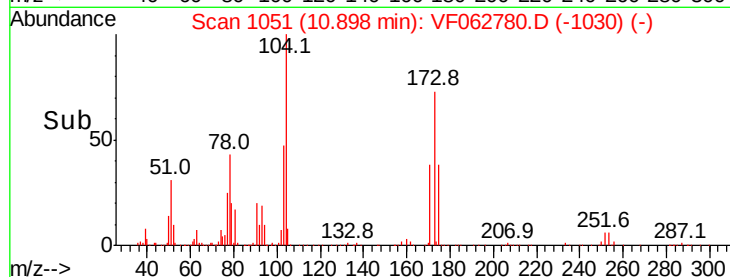
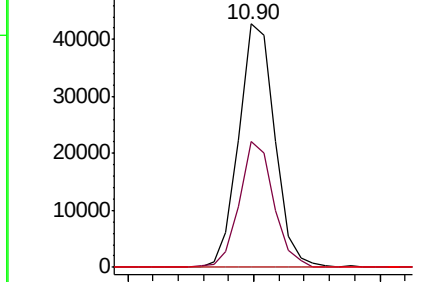
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

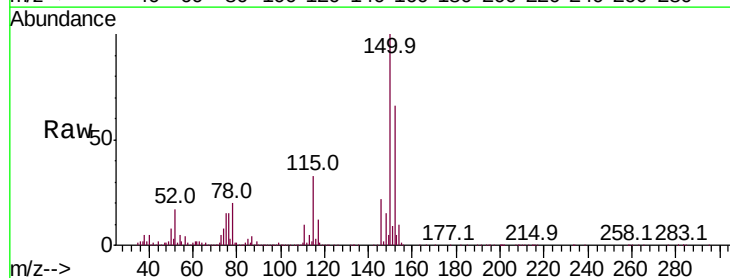
Tgt Ion:152 Resp: 328799

Ion Ratio Lower Upper

152 100

115 50.1 25.2 75.6

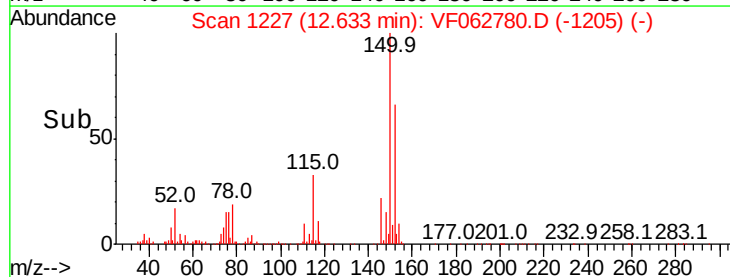
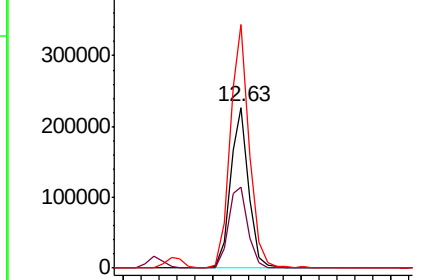
150 151.4 0.0 306.2

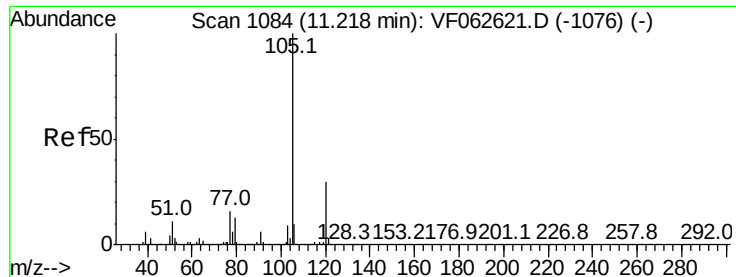


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 15.131 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

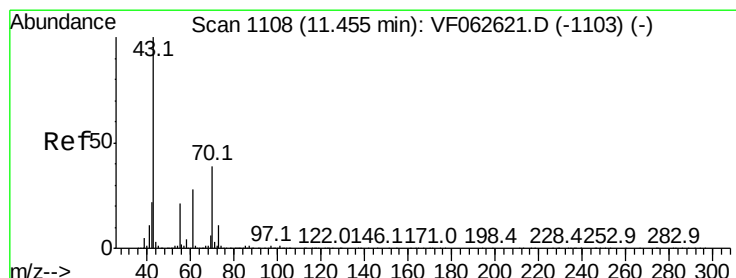
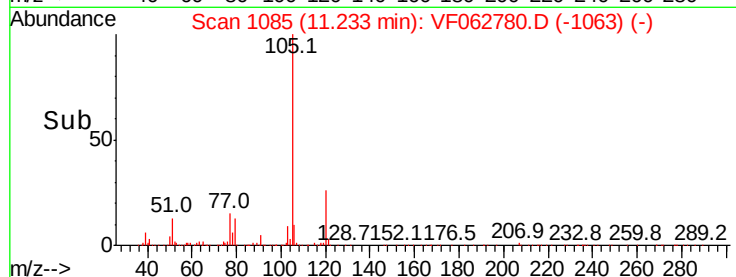
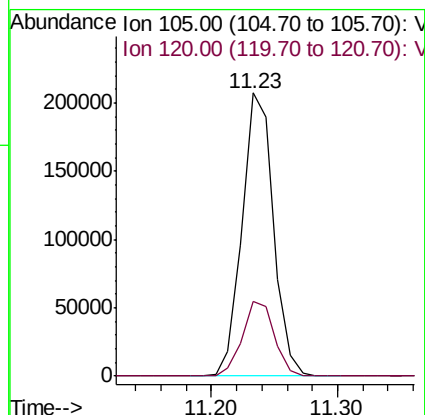
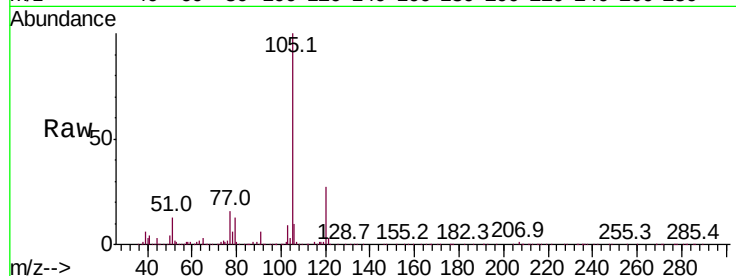
ClientSampleId :

VF0529SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	14.8	44.4

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#74

N-ethyl acetate

Concen: 31.281 ug/l

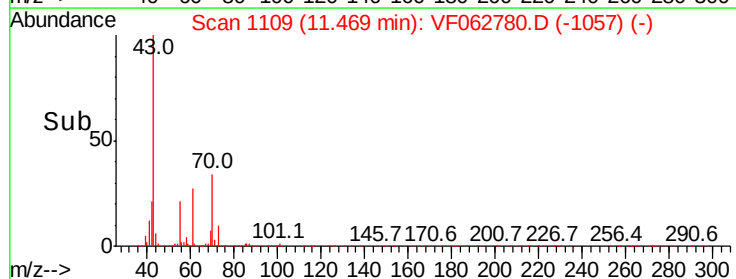
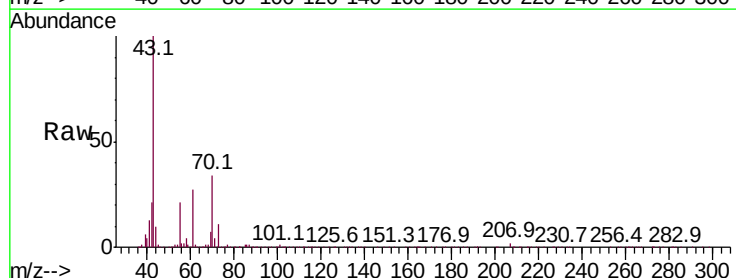
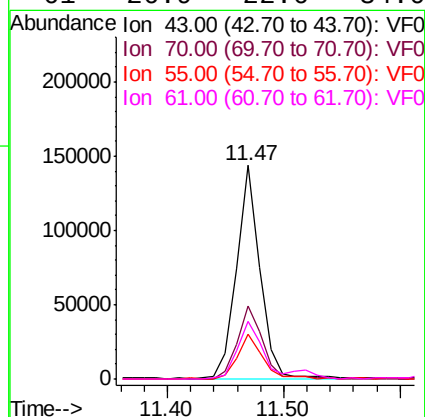
RT: 11.47 min Scan# 1109

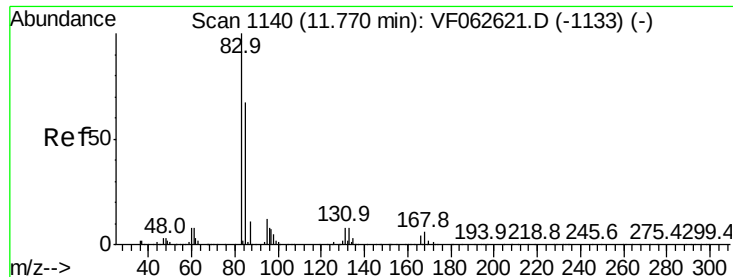
Delta R.T. 0.02 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	34.2	30.9	46.3
55	20.9	17.0	25.4
61	26.9	22.6	34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 31.386 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

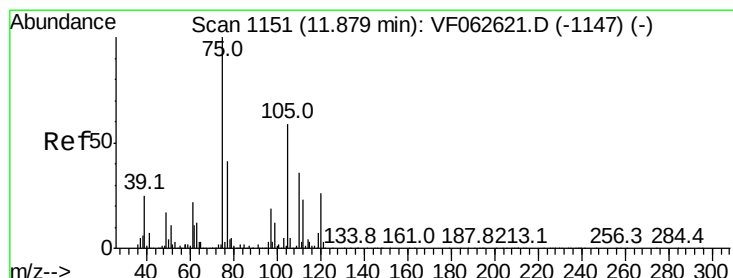
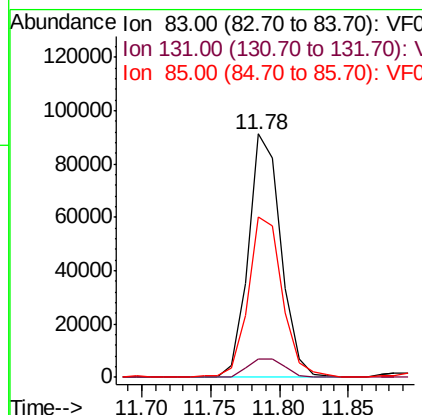
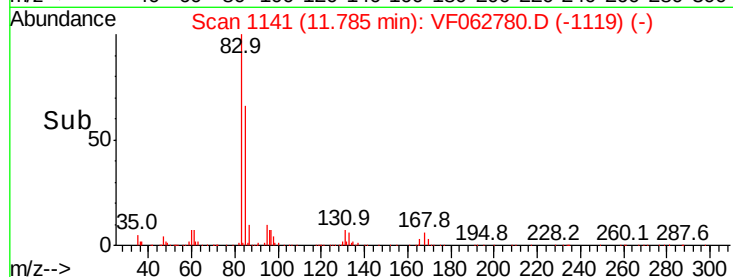
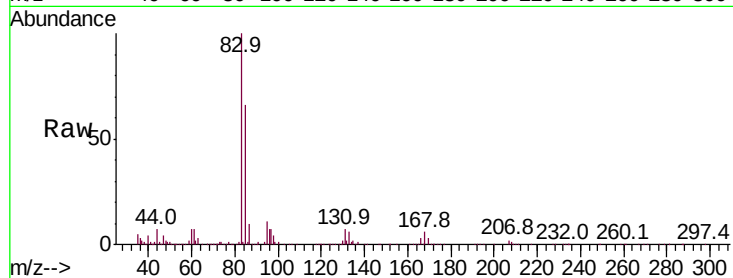
ClientSampleId :

VF0529SBS02

Tot Ion:	83	Resp:	151152
Ion Ratio	Lower	Upper	
83	100		
131	7.3	4.0	12.0
85	65.8	33.5	100.5

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#76

1,2,3-Trichloropropane

Concen: 31.157 ug/l

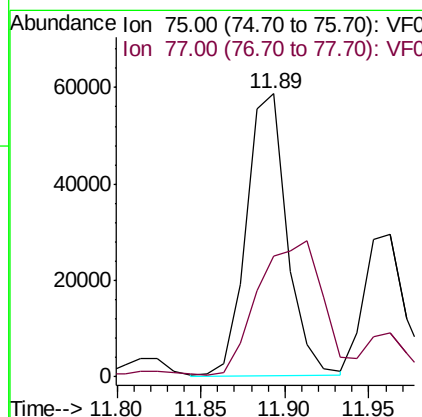
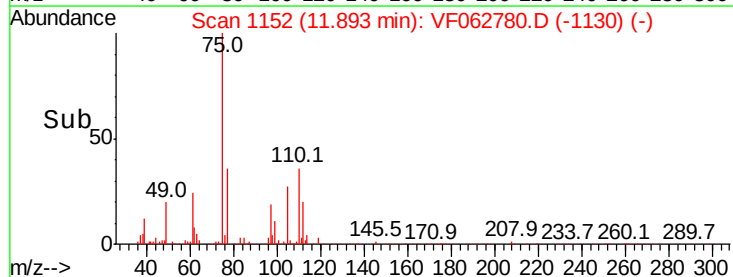
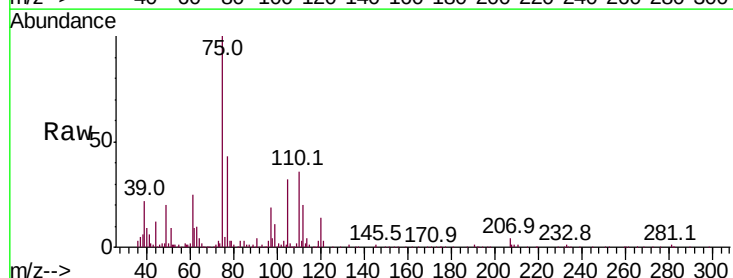
RT: 11.89 min Scan# 1152

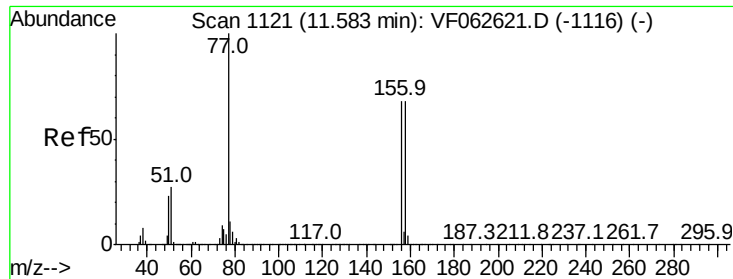
Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion:	75	Resp:	98591
Ion Ratio	Lower	Upper	
75	100		
77	42.5	20.6	61.8





#77

Bromobenzene

Concen: 20.503 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

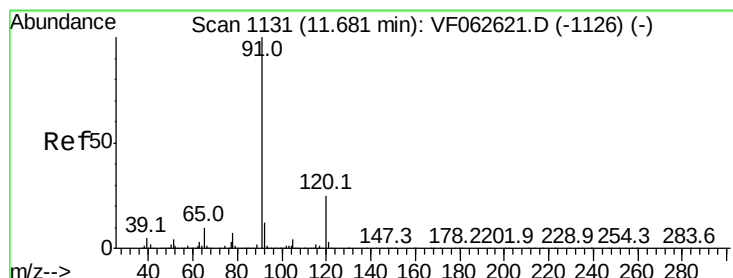
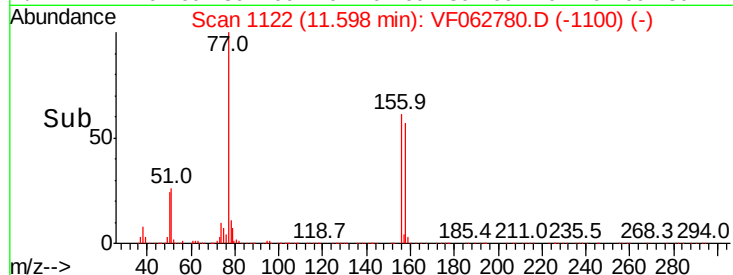
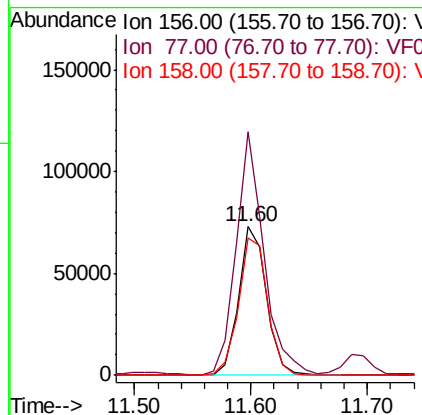
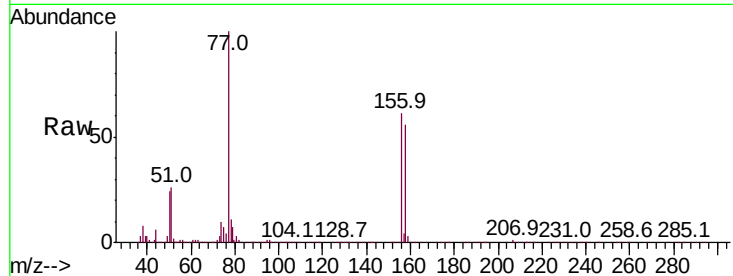
ClientSampleId :

VF0529SBS02

Tot Ion:	156	Resp:	120100
Ion Ratio	Lower	Upper	
156	100		
77	163.9	73.6	220.8
158	92.5	49.6	148.8

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#78

n-propylbenzene

Concen: 16.050 ug/l

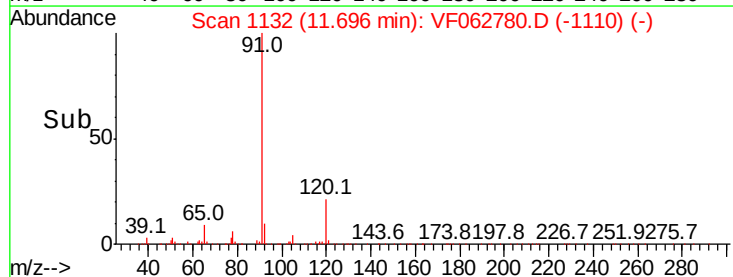
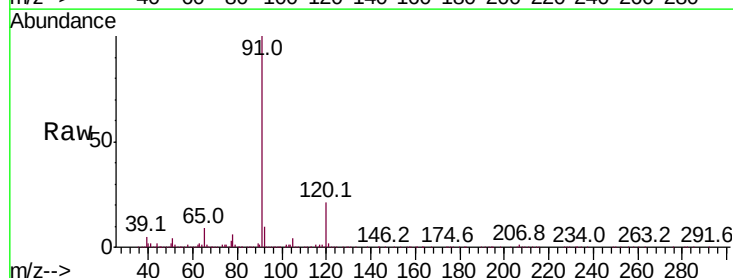
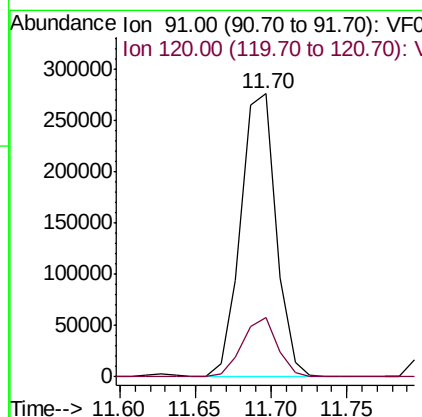
RT: 11.70 min Scan# 1132

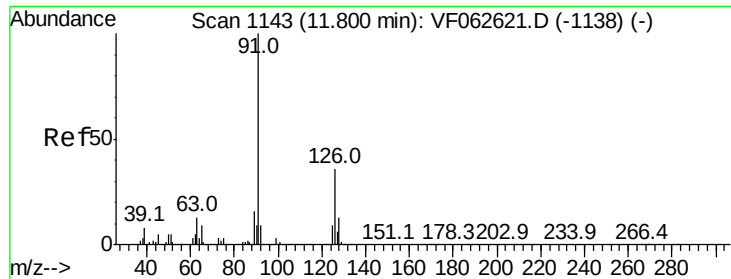
Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion:	91	Resp:	447622
Ion Ratio	Lower	Upper	
91	100		
120	21.2	12.7	38.1





#79

2-Chlorotoluene

Concen: 17.434 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

Tot Ion: 91 Resp: 274010

Ion Ratio Lower Upper

91 100

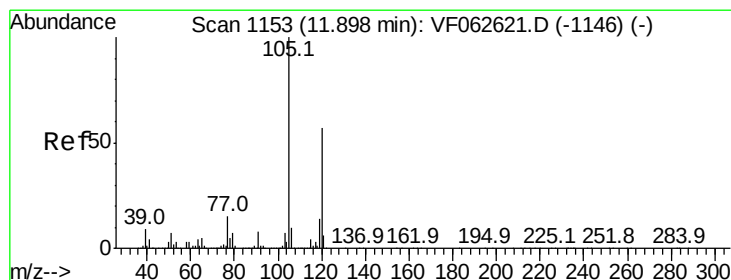
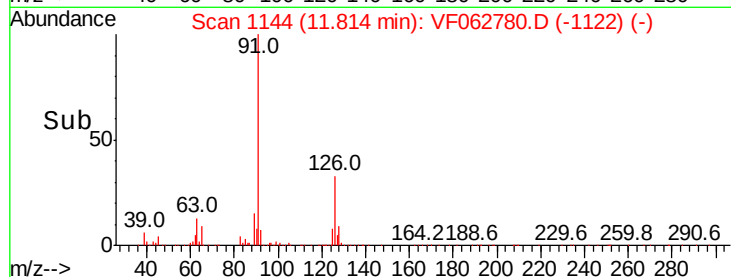
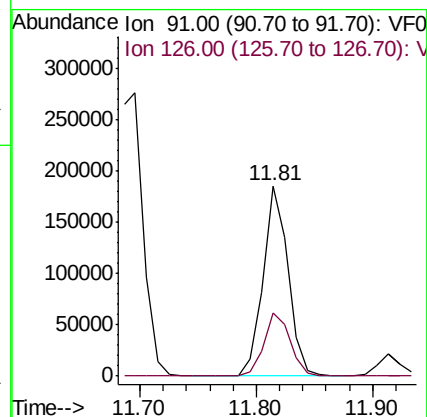
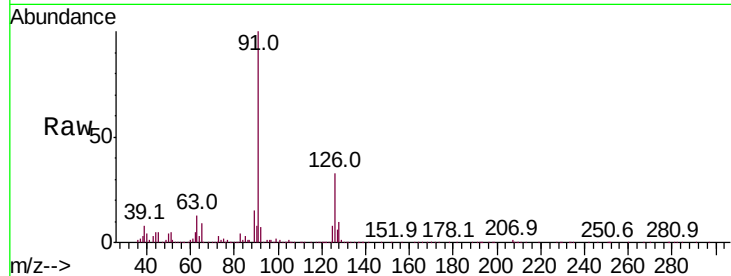
126 33.4 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 15.340 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF062780.D

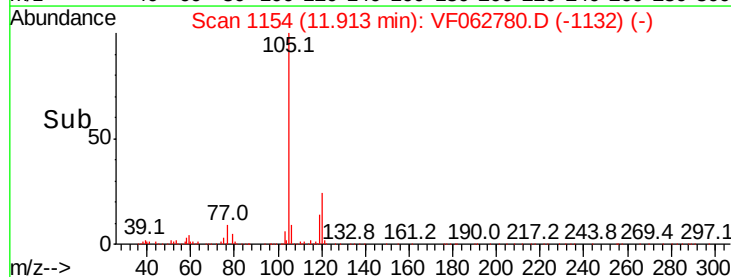
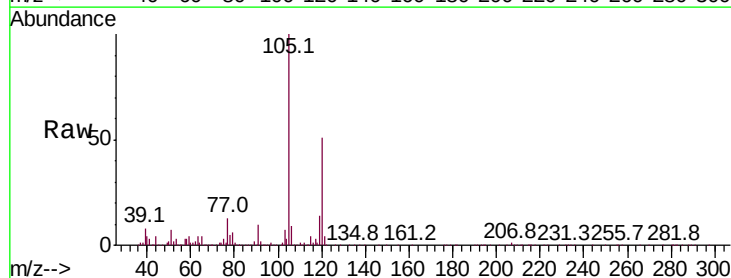
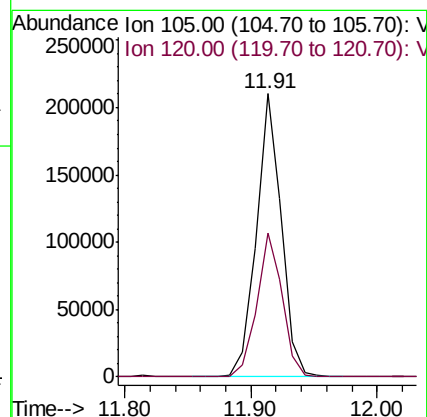
Acq: 29 May 2019 14:14

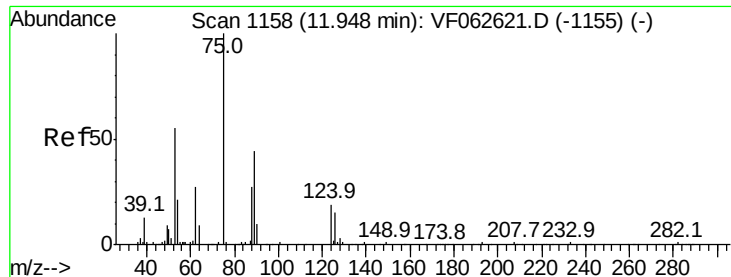
Tgt Ion: 105 Resp: 289856

Ion Ratio Lower Upper

105 100

120 50.9 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 35.194 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

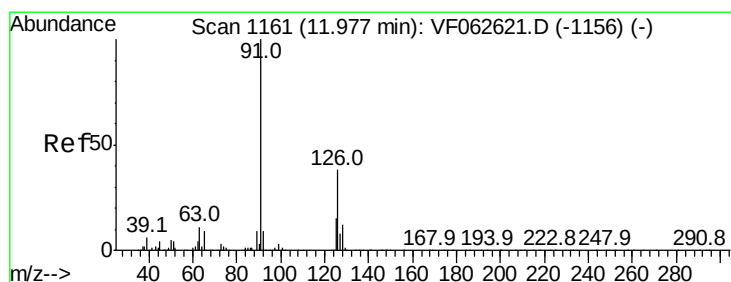
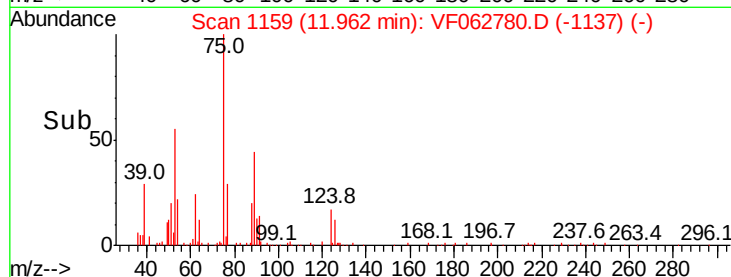
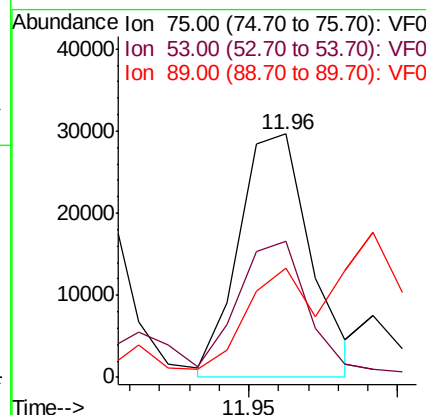
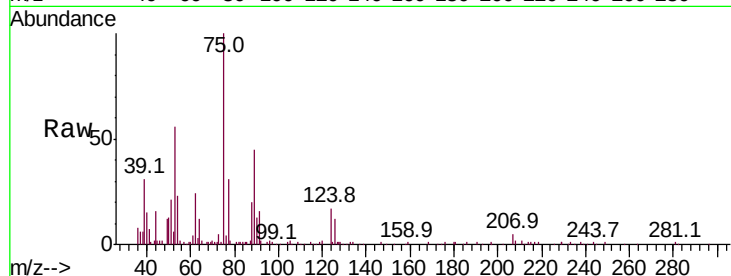
ClientSampleId :

VF0529SBS02

Tot Ion:	75	Resp:	49504
Ion	Ratio	Lower	Upper
75	100		
53	55.9	46.9	70.3
89	45.1	36.4	54.6

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#82

4-Chlorotoluene

Concen: 18.233 ug/l

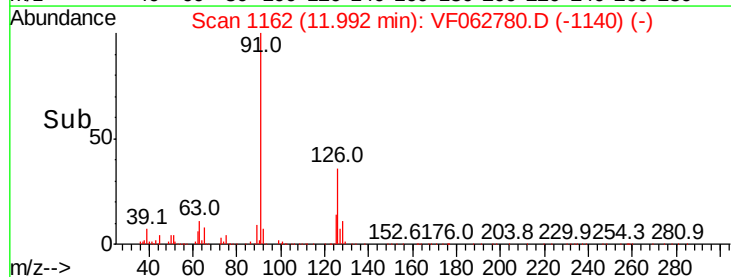
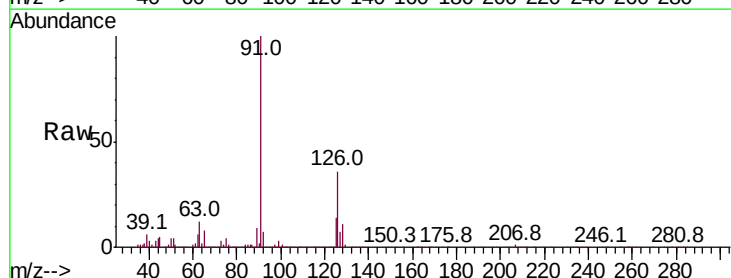
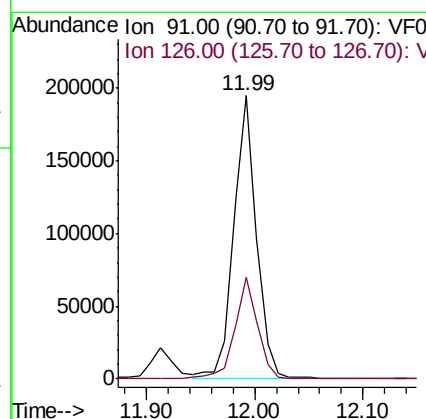
RT: 11.99 min Scan# 1162

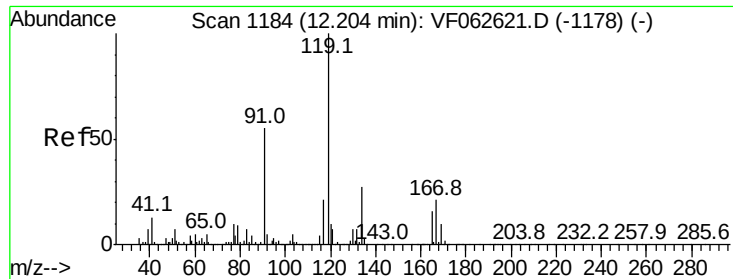
Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion:	91	Resp:	282601
Ion	Ratio	Lower	Upper
91	100		
126	35.7	19.1	57.1





#83

tert-Butylbenzene

Concen: 15.158 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

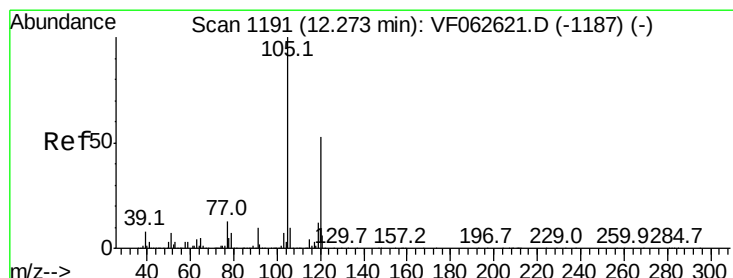
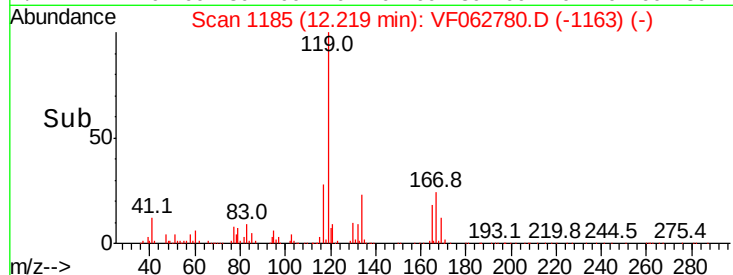
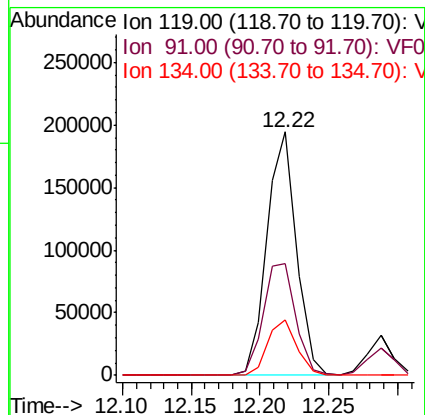
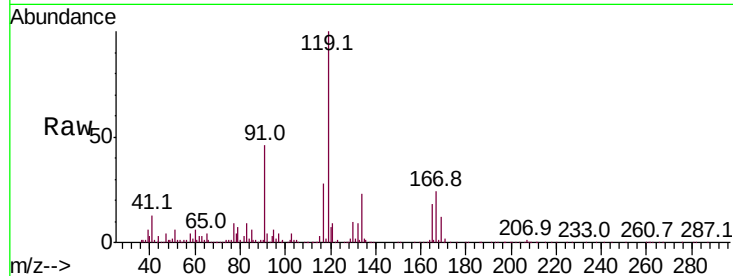
ClientSampleId :

VF0529SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	290595		
91	45.8	27.3	81.9	
134	22.8	13.6	40.7	

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#84

1,2,4-Trimethylbenzene

Concen: 17.554 ug/l

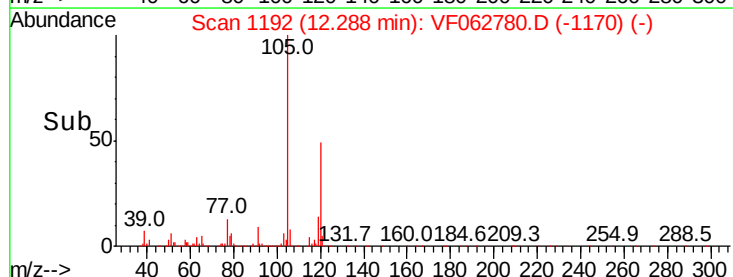
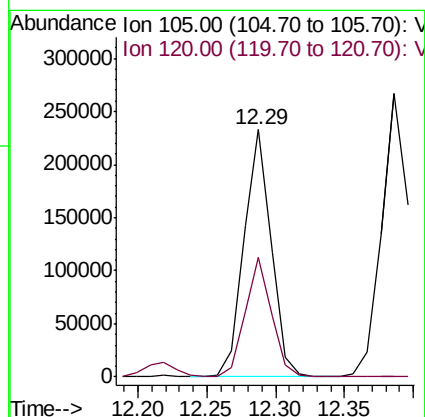
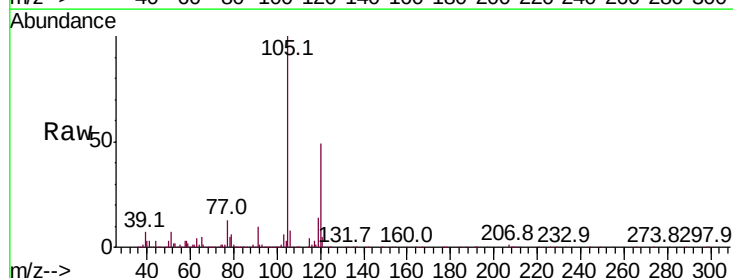
RT: 12.29 min Scan# 1192

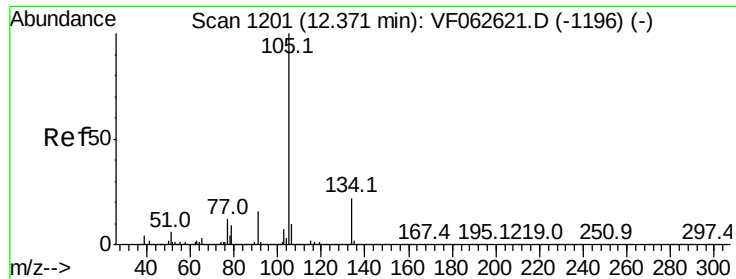
Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	321033		
120	48.6	26.7	80.1	





#85

sec-Butylbenzene

Concen: 14.416 ug/l

RT: 12.39 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

Tot Ion:105 Resp: 370886

Ion Ratio Lower Upper

105 100

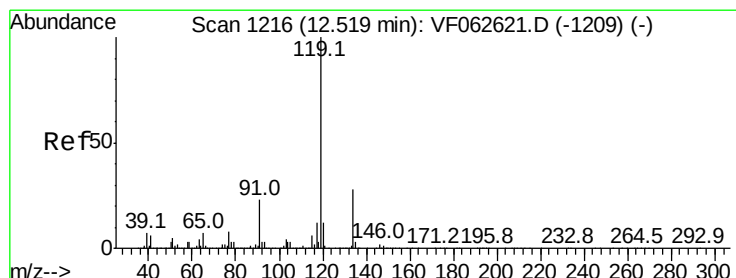
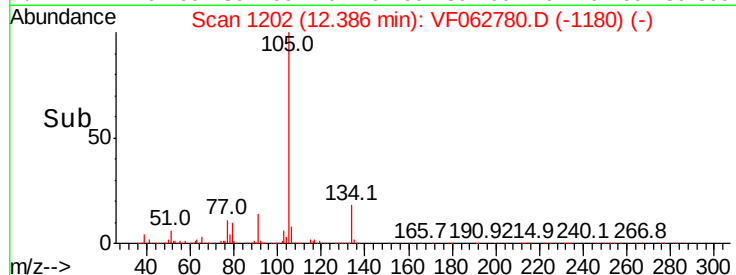
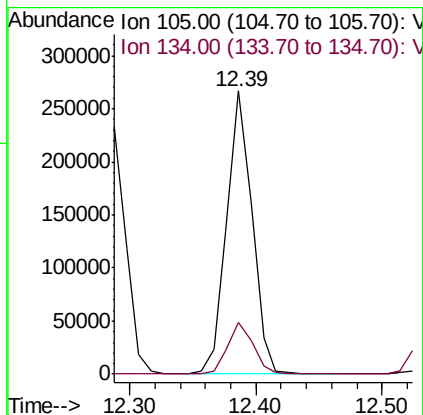
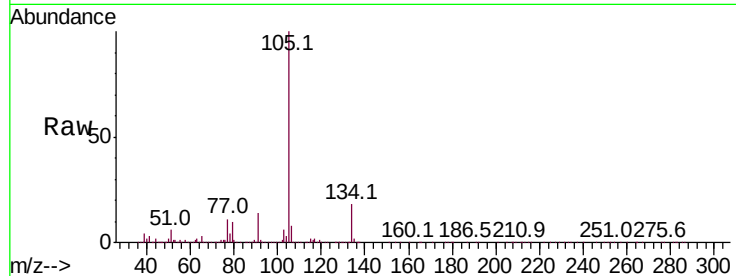
134 18.4 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 15.172 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

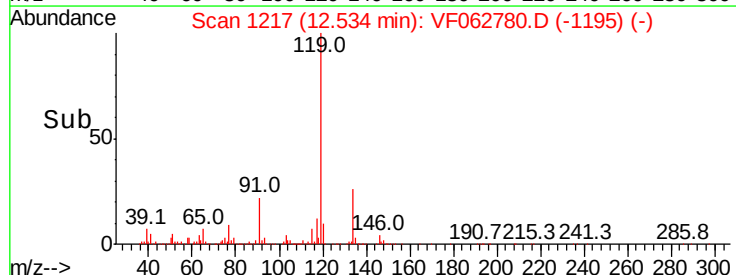
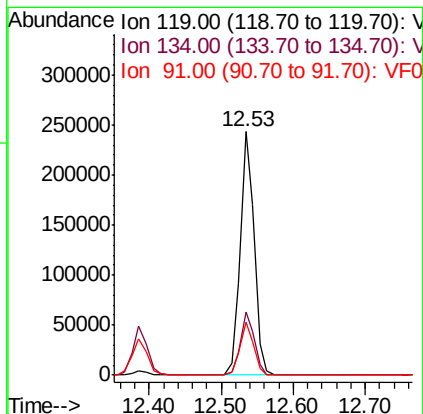
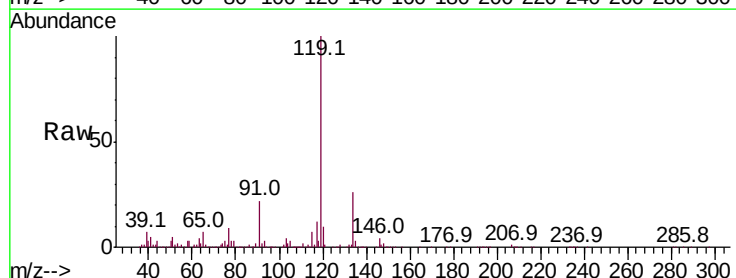
Tgt Ion:119 Resp: 328961

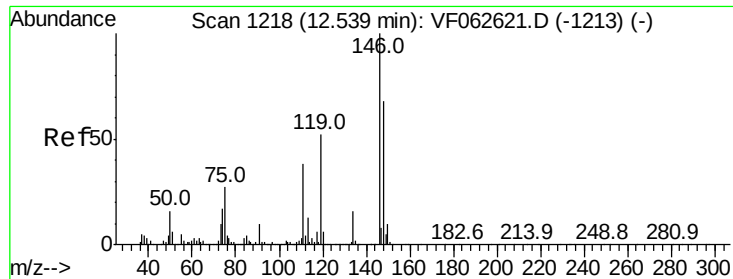
Ion Ratio Lower Upper

119 100

134 25.7 14.1 42.3

91 21.8 11.4 34.2





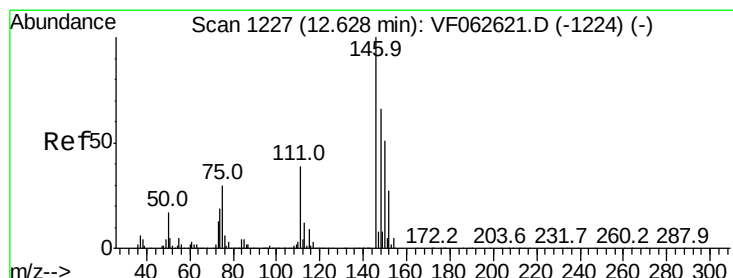
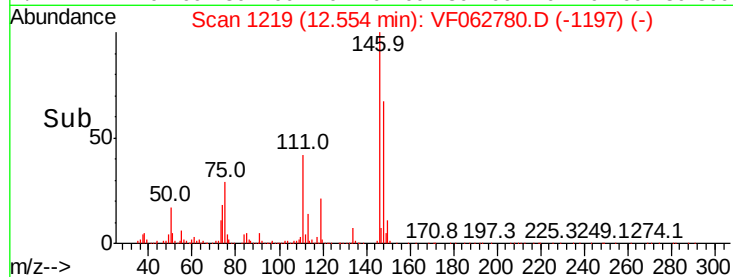
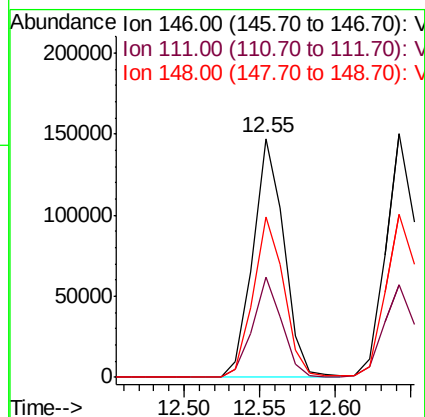
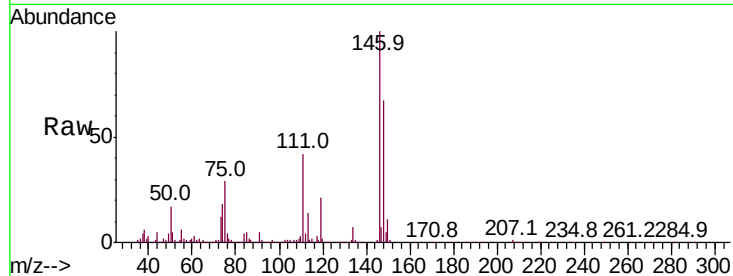
#87
 1,3-Dichlorobenzene
 Concen: 19.937 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF062780.D
 Acq: 29 May 2019 14:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	18.9	56.9
148	67.0	34.0	101.8

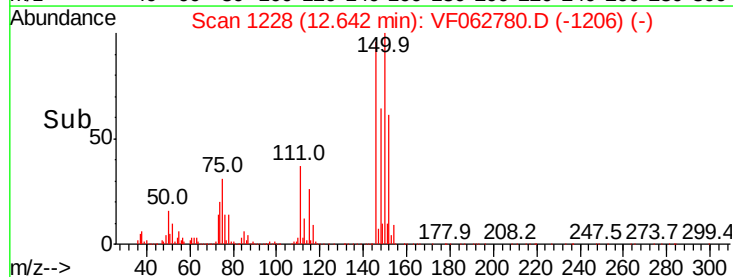
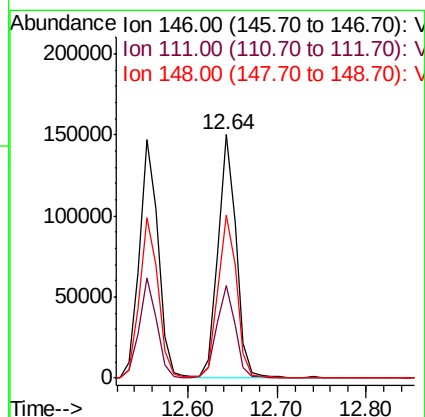
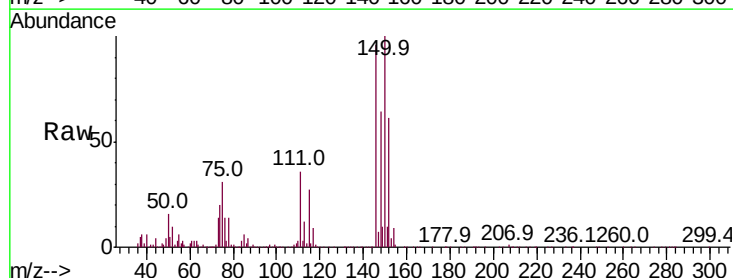
Manual Integrations
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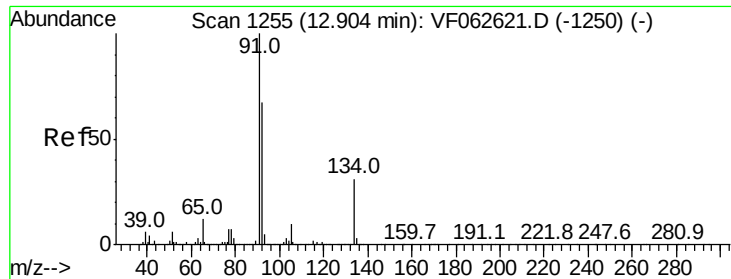
mmdadoda
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#88
 1,4-Dichlorobenzene
 Concen: 21.744 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VF062780.D
 Acq: 29 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.2
148	66.9	33.2	99.6





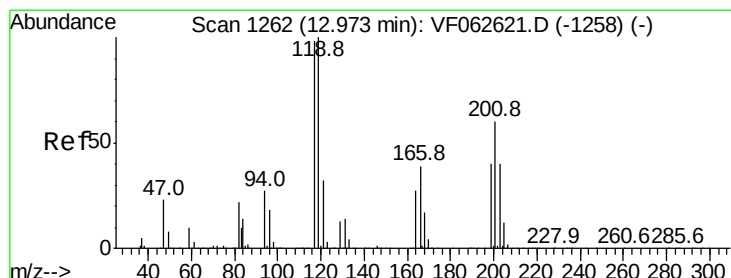
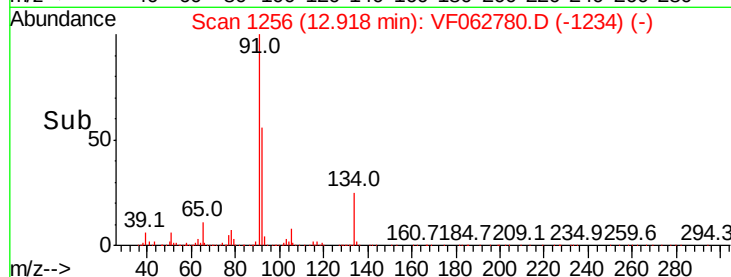
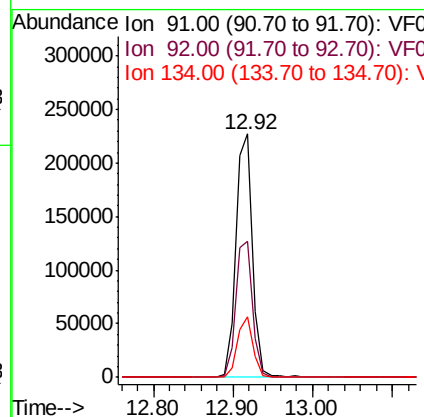
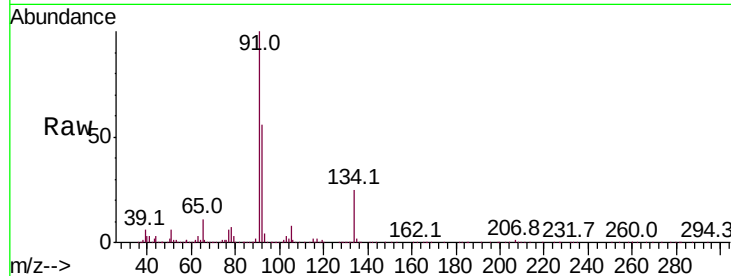
#89
n-Butylbenzene
Concen: 15.545 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	332317		
92	55.7	33.3	99.8	
134	25.0	15.4	46.4	

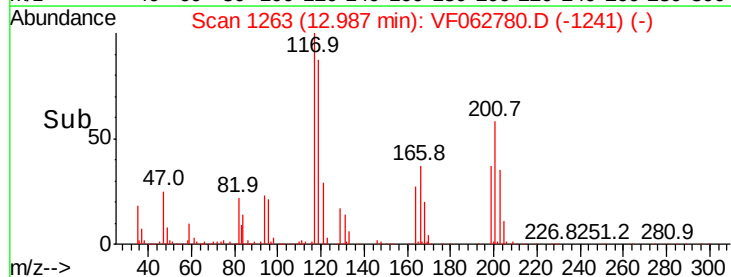
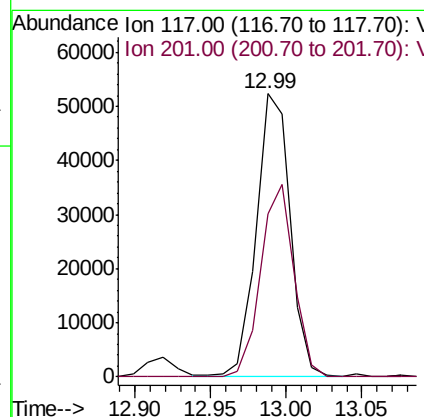
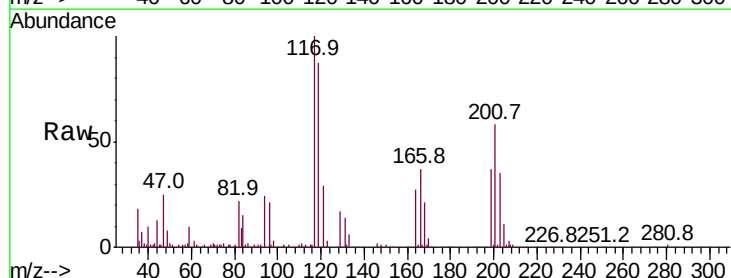
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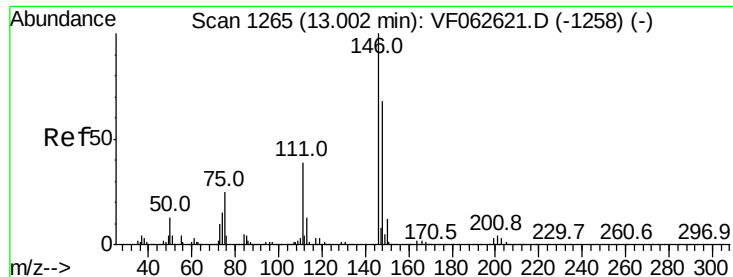
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#90
Hexachloroethane
Concen: 15.655 ug/l
RT: 12.99 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	81426		
201	57.6	30.7	92.1	





#91

1,2-Dichlorobenzene

Concen: 21.589 ug/l

RT: 13.02 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

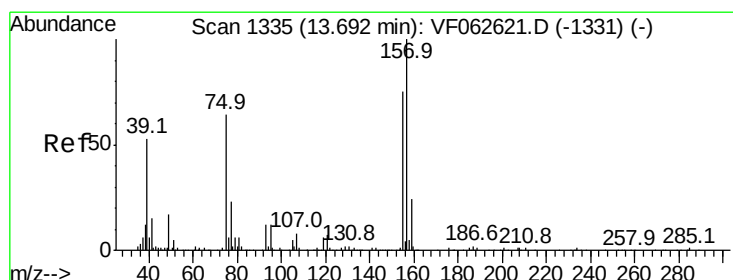
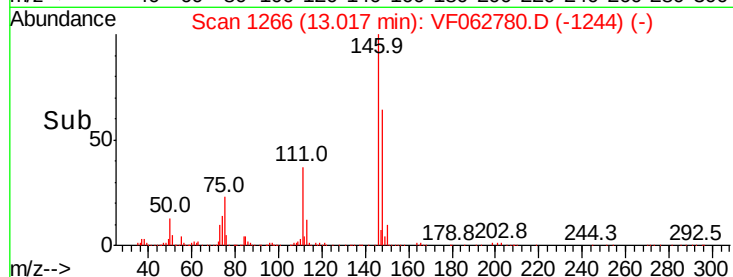
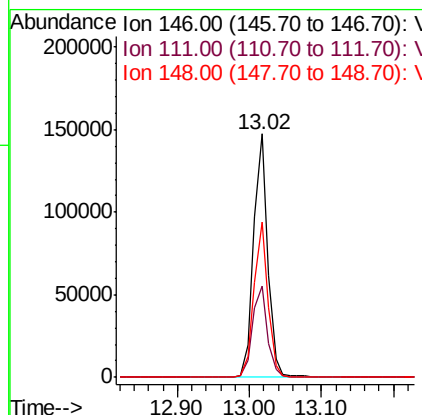
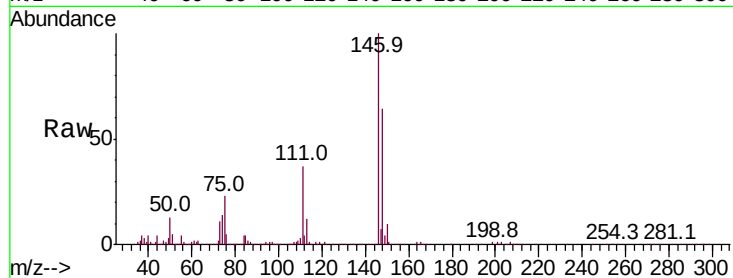
ClientSampleId :

VF0529SBS02

Tot Ion:	146	Resp:	203945
Ion Ratio	Lower	Upper	
146	100		
111	37.3	19.8	59.3
148	63.9	34.1	102.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 31.229 ug/l

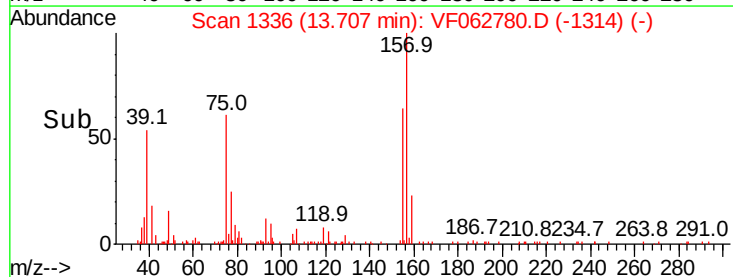
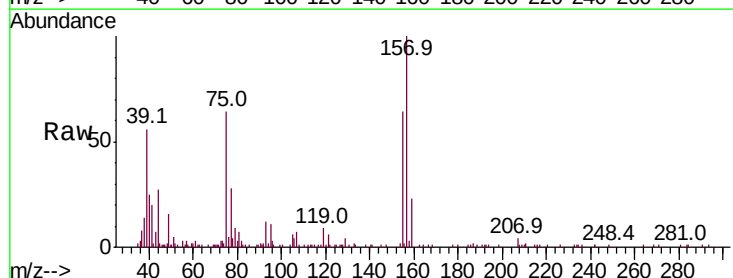
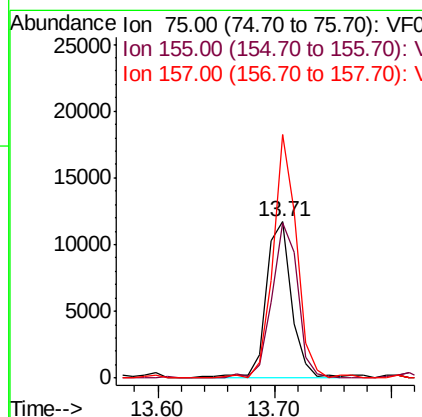
RT: 13.71 min Scan# 1336

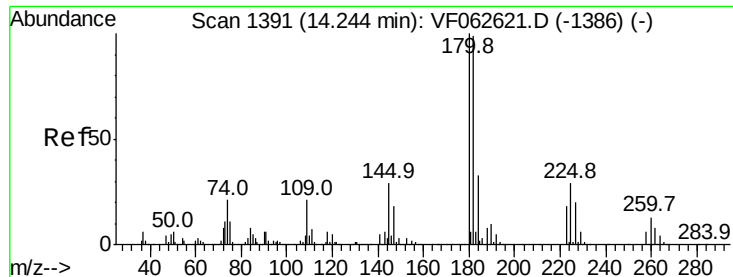
Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion:	75	Resp:	17942
Ion Ratio	Lower	Upper	
75	100		
155	102.3	58.1	174.3
157	156.1	77.8	233.4





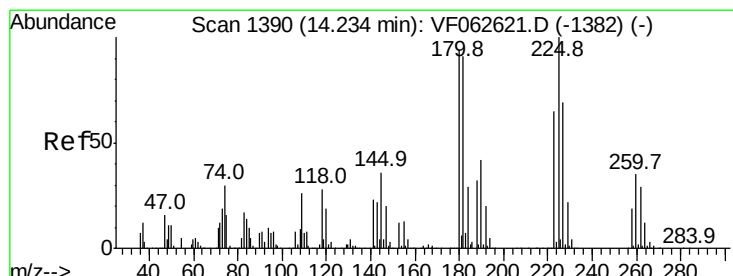
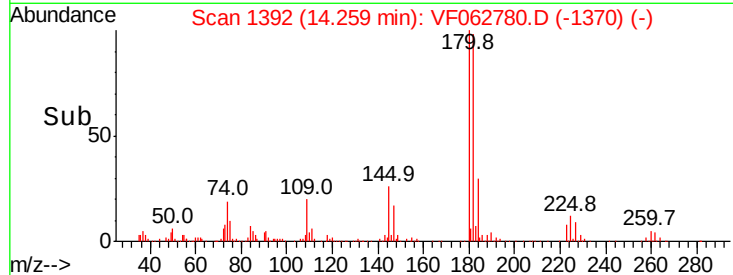
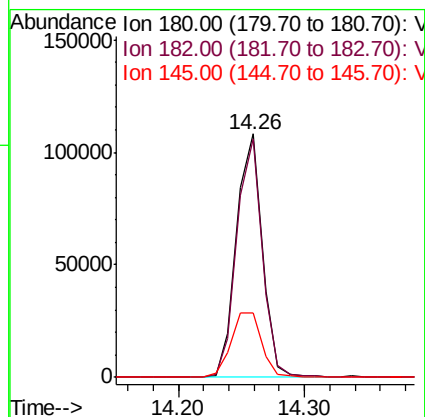
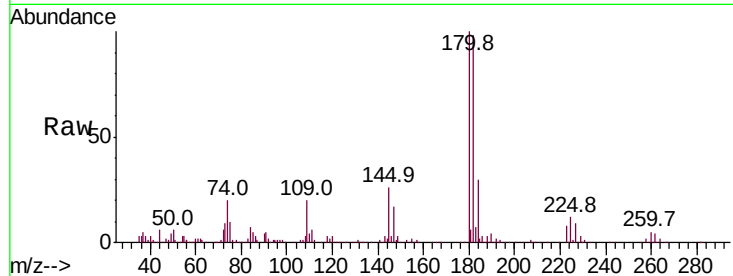
#93
 1,2,4-Trichlorobenzene
 Concen: 22.706 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF062780.D
 Acq: 29 May 2019 14:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS02

Tot Ion:	180	Resp:	153537
Ion Ratio	Lower	Upper	
180	100		
182	98.2	49.7	149.1
145	26.4	14.6	44.0

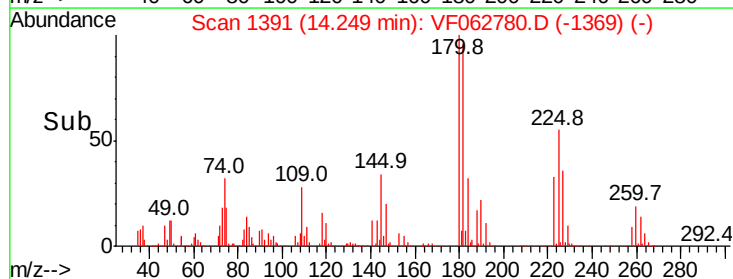
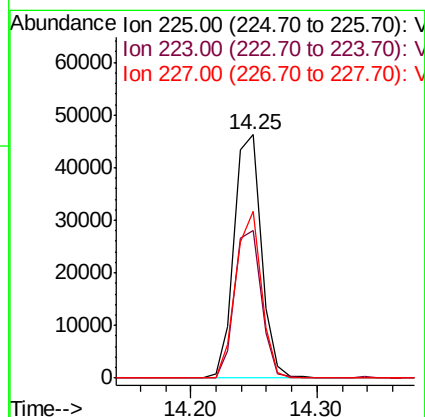
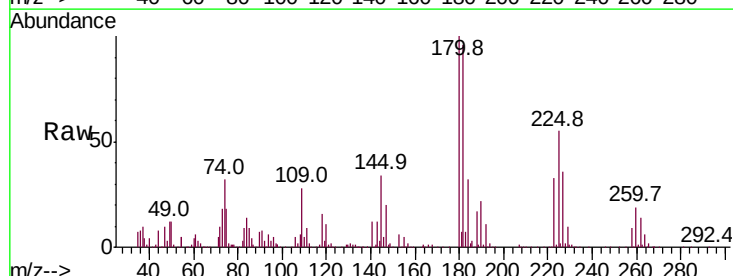
Manual Integrations
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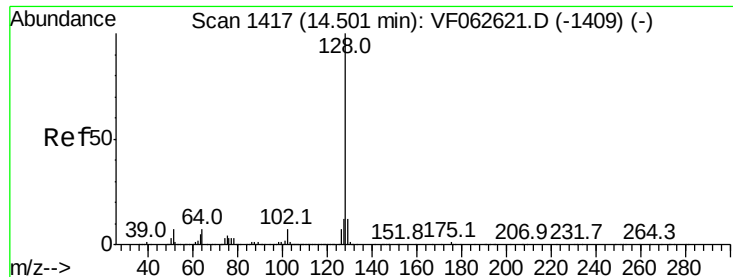
mmdadoda
 5/30/2019 11:02:38 AM



#94
 Hexachlorobutadiene
 Concen: 14.590 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062780.D
 Acq: 29 May 2019 14:14

Tgt Ion:	225	Resp:	68852
Ion Ratio	Lower	Upper	
225	100		
223	60.8	32.5	97.4
227	68.5	34.5	103.5





#95

Naphthalene

Concen: 25.598 ug/l

RT: 14.51 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

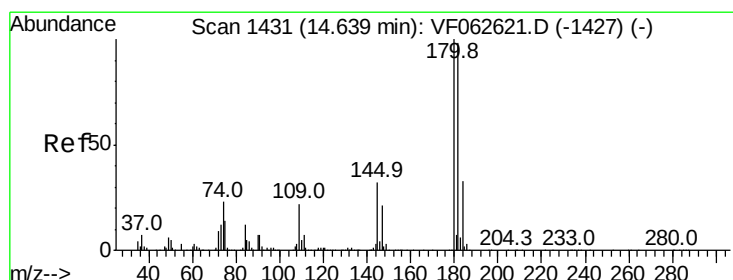
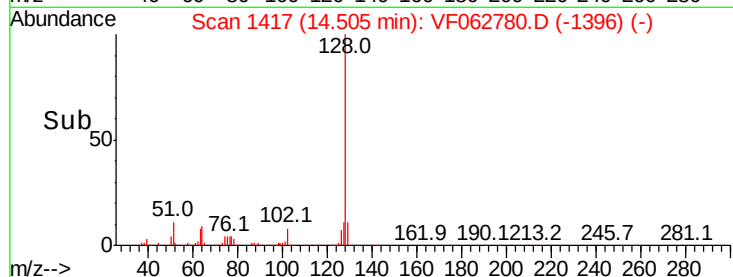
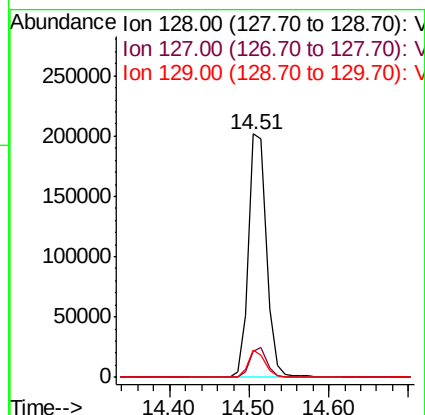
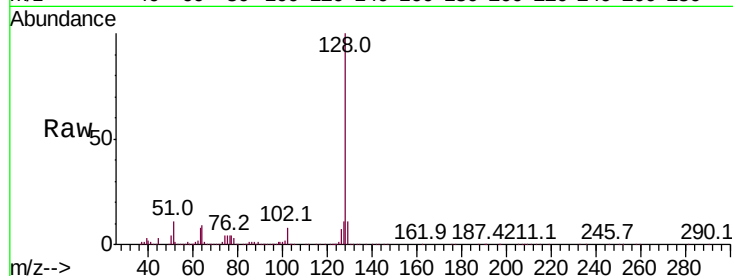
ClientSampleId :

VF0529SBS02

Tot Ion:	128	Resp:	314459
Ion Ratio	Lower	Upper	
128	100		
127	10.7	9.7	14.5
129	11.0	9.3	13.9

Manual Integrations
APPROVED

mmdadoda
5/30/2019 11:02:38 AM



#96

1,2,3-Trichlorobenzene

Concen: 23.921 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion:	180	Resp:	153211
Ion Ratio	Lower	Upper	
180	100		
182	89.5	48.9	146.7
145	31.0	16.1	48.2

