

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061987.D
 Acq On : 16 Mar 2019 21:21
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 6:19:37 PM

Quant Time: Mar 22 03:38:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	237331	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	365684	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	324275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	166182	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	78300	45.83	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	91.66%	
35) Dibromofluoromethane	4.09	113	109556	44.61	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	89.22%	
50) Toluene-d8	7.54	98	308336	42.95	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	85.90%	
62) 4-Bromofluorobenzene	11.41	95	118114	41.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.94	85	117627	46.492	ug/l	92
3) Chloromethane	1.07	50	122006	47.453	ug/l	93
4) Vinyl Chloride	1.12	62	121324	48.791	ug/l	94
5) Bromomethane	1.31	94	88244	50.516	ug/l	100
6) Chloroethane	1.37	64	62254	48.496	ug/l	97
7) Trichlorofluoromethane	1.47	101	170206	51.666	ug/l	93
8) Diethyl Ether	1.61	74	38489	52.555	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.81	101	109998	47.391	ug/l	98
10) Methyl Iodide	1.88	142	212631m	52.328	ug/l	
11) Tert butyl alcohol	2.55	59	24228	231.761	ug/l	95
12) 1,1-Dichloroethene	1.77	96	94469	47.162	ug/l	94
13) Acrolein	1.98	56	25342	224.559	ug/l	91
14) Allyl chloride	2.08	41	130316	50.966	ug/l	93
15) Acrylonitrile	2.92	53	75279	236.803	ug/l	90
16) Acetone	2.22	43	81857	213.376	ug/l	95
17) Carbon Disulfide	1.81	76	281321	48.585	ug/l #	93
18) Methyl Acetate	2.32	43	45469	52.302	ug/l	92
19) Methyl tert-butyl Ether	2.41	73	174023	47.945	ug/l	98
20) Methylene Chloride	2.17	84	99175m	49.548	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	100426	48.043	ug/l	98
22) Diisopropyl ether	2.78	45	283541	46.102	ug/l	98
23) Vinyl Acetate	3.17	43	643393	265.372	ug/l	100
24) 1,1-Dichloroethane	2.86	63	174004	48.657	ug/l	99
25) 2-Butanone	4.32	43	179332	236.037	ug/l #	90
26) 2,2-Dichloropropane	3.58	77	76702	45.472	ug/l	99
27) cis-1,2-Dichloroethene	3.46	96	132223	50.186	ug/l	96
28) Bromochloromethane	3.69	49	70844	47.743	ug/l	96
29) Tetrahydrofuran	4.06	42	76863	232.624	ug/l	96
30) Chloroform	3.84	83	204599	50.495	ug/l	91
31) Cyclohexane	3.67	56	173021	48.975	ug/l	96
32) 1,1,1-Trichloroethane	4.07	97	145873	54.210	ug/l	96
36) 1,1-Dichloropropene	4.26	75	164211	49.726	ug/l	99
37) Ethyl Acetate	4.10	43	66045	44.542	ug/l #	95
38) Carbon Tetrachloride	3.97	117	125432	51.973	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	187696	48.415	ug/l	92
40) Benzene	4.61	78	430098	49.152	ug/l	96
41) Methacrylonitrile	4.72	41	38807	48.986	ug/l #	88
42) 1,2-Dichloroethane	4.93	62	109014	50.046	ug/l	95
43) Isopropyl Acetate	6.95	43	87519	49.887	ug/l #	93
44) Trichloroethene	5.49	130	125188	46.703	ug/l	93
45) 1,2-Dichloropropane	6.22	63	100528	48.545	ug/l	92
46) Dibromomethane	6.07	93	65373	53.067	ug/l	97
47) Bromodichloromethane	6.38	83	147616	50.827	ug/l #	96
48) Methyl methacrylate	6.70	41	54958	48.471	ug/l #	93
49) 1,4-Dioxane	6.69	88	9278	919.945	ug/l #	79
51) 4-Methyl-2-Pentanone	8.25	43	303143	243.335	ug/l	97
52) Toluene	7.62	92	260605	48.744	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	123353	50.309	ug/l	99
54) cis-1,3-Dichloropropene	7.29	75	167007	52.201	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	73927	49.543	ug/l	98
56) Ethyl methacrylate	8.61	69	86185	50.809	ug/l	99
57) 1,3-Dichloropropane	8.84	76	120706	48.493	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.28	63	74428	242.247	ug/l	90
59) 2-Hexanone	9.48	43	202025	224.078	ug/l	100
60) Dibromochloromethane	8.70	129	111667	53.905	ug/l	100
61) 1,2-Dibromoethane	8.98	107	83014	51.864	ug/l	100
64) Tetrachloroethene	8.14	164	115275	48.905	ug/l	98
65) Chlorobenzene	9.79	112	301391	49.921	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	120237	51.378	ug/l	91
67) Ethyl Benzene	9.90	91	503745	48.730	ug/l	99
68) m/p-Xylenes	10.12	106	367211	94.448	ug/l	94
69) o-Xylene	10.71	106	198570	47.730	ug/l	94
70) Styrene	10.78	104	276769	48.020	ug/l	97
71) Bromoform	10.76	173	61204	51.705	ug/l	98
73) Isopropylbenzene	11.12	105	561204	48.882	ug/l	97
74) N-amyl acetate	11.37	43	130965	49.784	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.69	83	97616	51.511	ug/l	93
76) 1,2,3-Trichloropropane	11.79	75	63163	47.666	ug/l	98
77) Bromobenzene	11.49	156	134905	50.740	ug/l	95
78) n-propylbenzene	11.59	91	648905	49.155	ug/l	99
79) 2-Chlorotoluene	11.71	91	368369	49.435	ug/l	95
80) 1,3,5-Trimethylbenzene	11.82	105	465820	50.228	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	28697m	48.952	ug/l	
82) 4-Chlorotoluene	11.90	91	360595	47.853	ug/l	96
83) tert-Butylbenzene	12.13	119	493080	50.838	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	437729	47.122	ug/l	99
85) sec-Butylbenzene	12.30	105	614637	46.904	ug/l	98
86) p-Isopropyltoluene	12.45	119	538958	49.289	ug/l	95
87) 1,3-Dichlorobenzene	12.47	146	253828	48.575	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	246993	49.108	ug/l	98
89) n-Butylbenzene	12.83	91	509441	49.581	ug/l	96
90) Hexachloroethane	12.91	117	128079	51.327	ug/l	99
91) 1,2-Dichlorobenzene	12.93	146	233218	48.187	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.63	75	14423	47.428	ug/l	63

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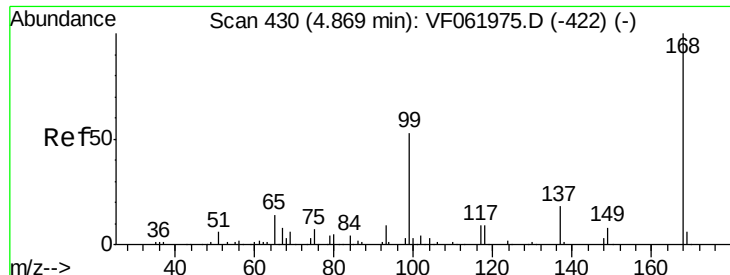
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	165777	49.188	ug/l	96
94) Hexachlorobutadiene	14.19	225	111903	50.014	ug/l	96
95) Naphthalene	14.45	128	303806	50.120	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	158007	50.959	ug/l	95

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



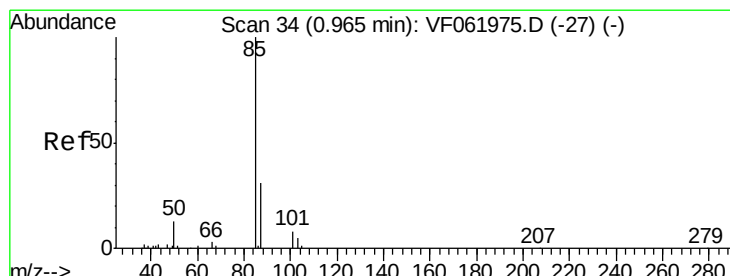
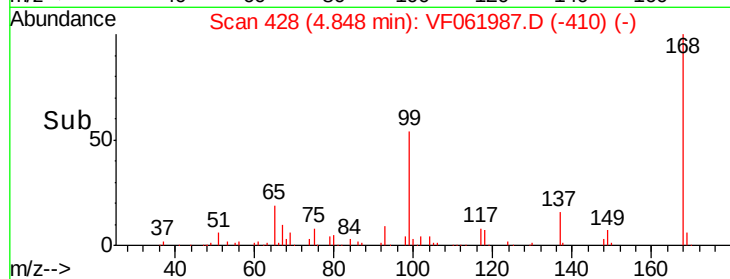
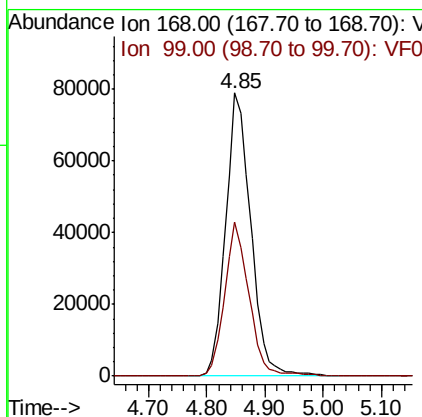
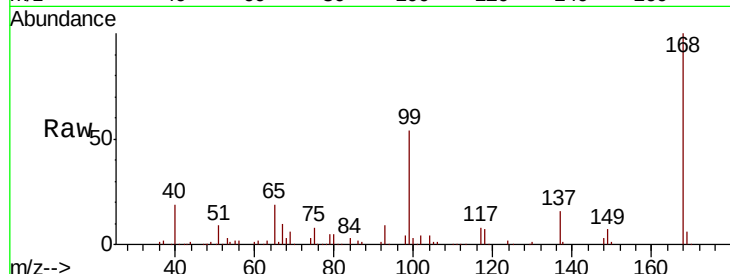
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.02 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	54.3	42.4	63.6

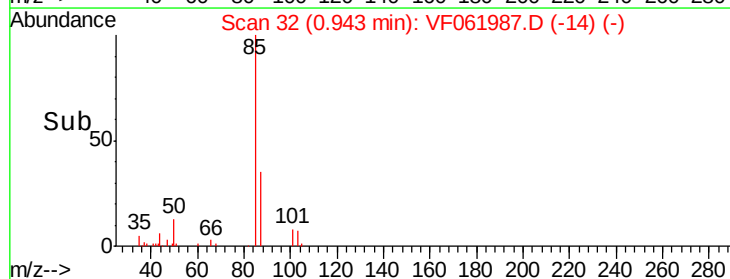
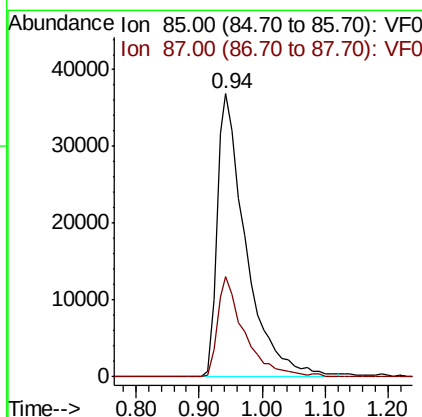
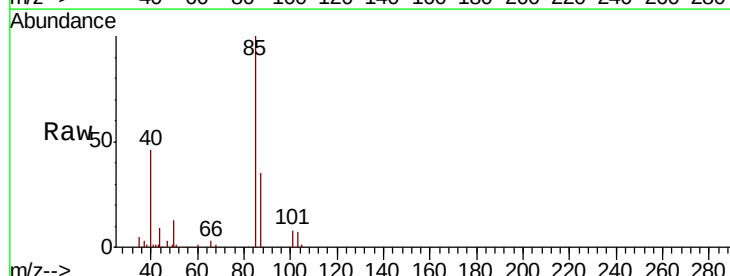
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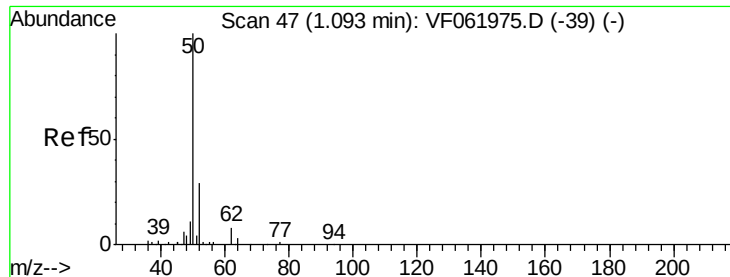
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#2
Dichlorodifluoromethane
Concen: 46.492 ug/l
RT: 0.94 min Scan# 32
Delta R.T. -0.02 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Lower	Upper
85	100		
87	35.4	15.4	46.2





#3

Chloromethane

Concen: 47.453 ug/l

RT: 1.07 min Scan# 45

Delta R.T. -0.02 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 122006

Ion Ratio Lower Upper

50 100

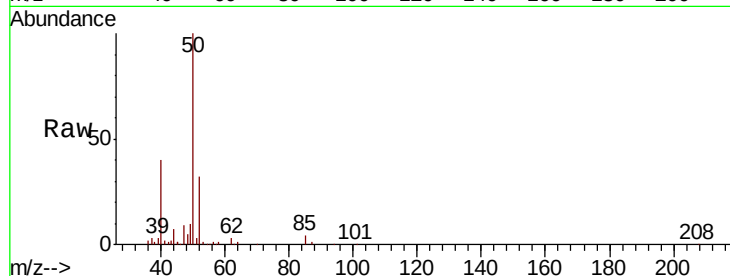
52 31.8 22.6 34.0

Manual Integrations

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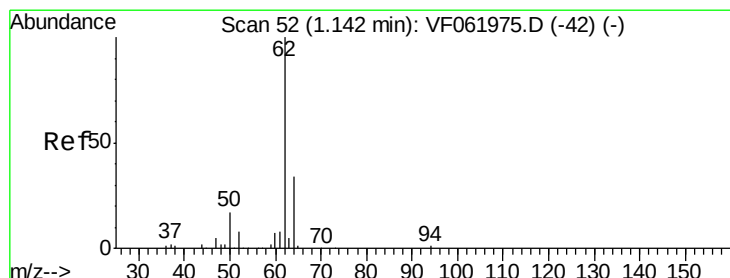
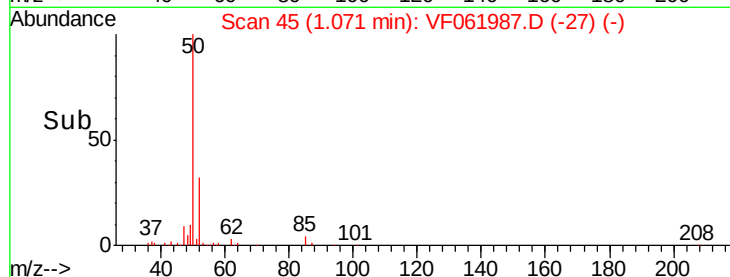
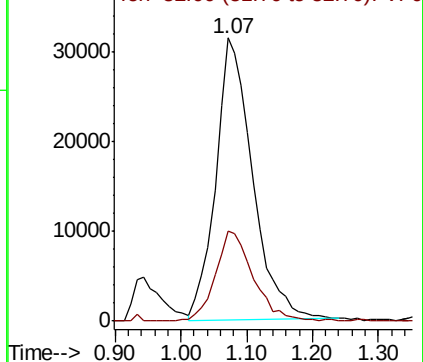
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 48.791 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.02 min

Lab File: VF061987.D

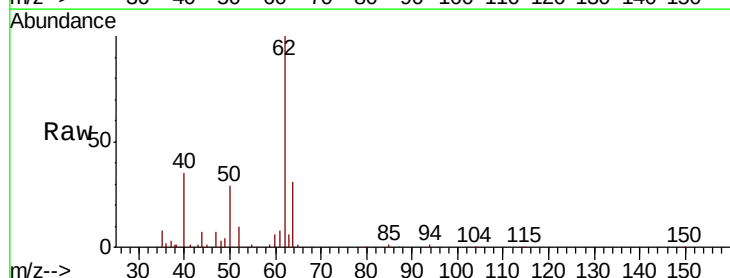
Acq: 16 Mar 2019 21:21

Tgt Ion: 62 Resp: 121324

Ion Ratio Lower Upper

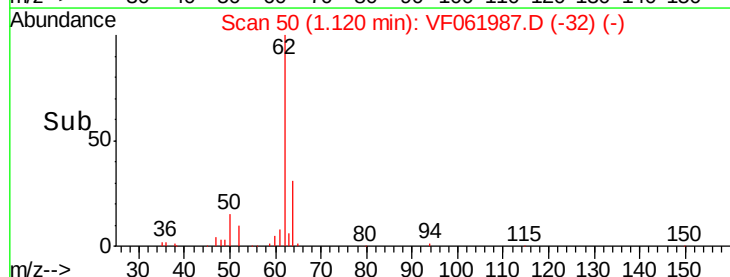
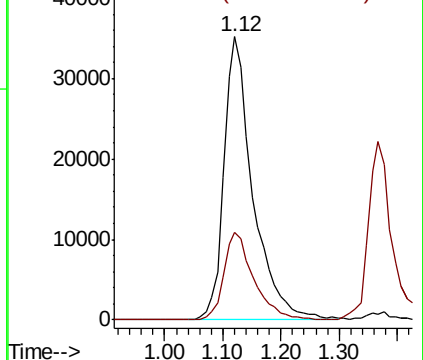
62 100

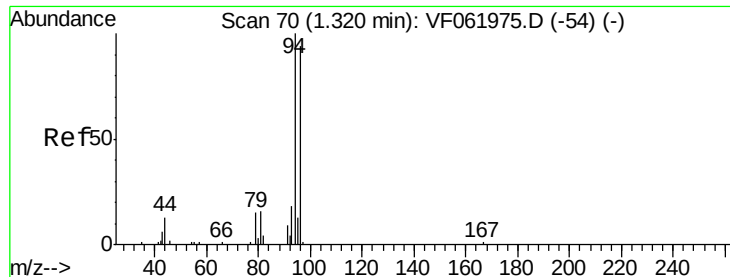
64 30.9 27.4 41.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 50.516 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF061987.D

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Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 88244

Ion Ratio Lower Upper

94 100

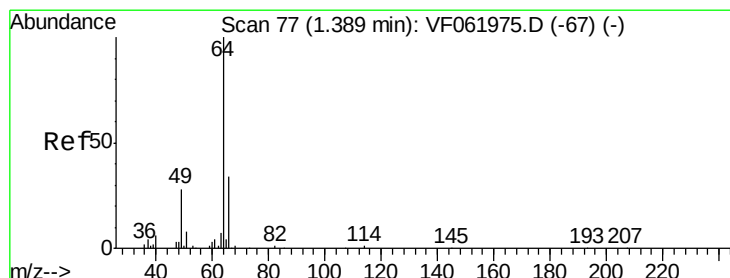
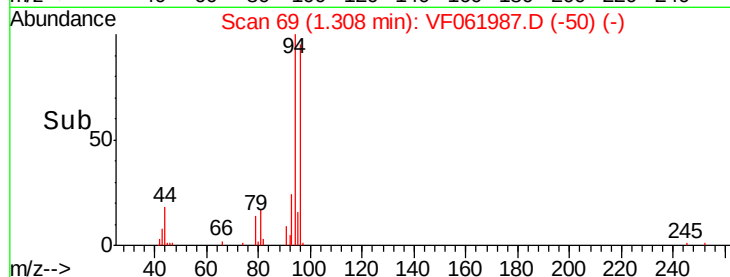
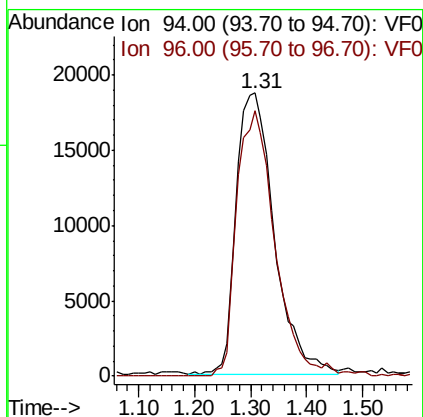
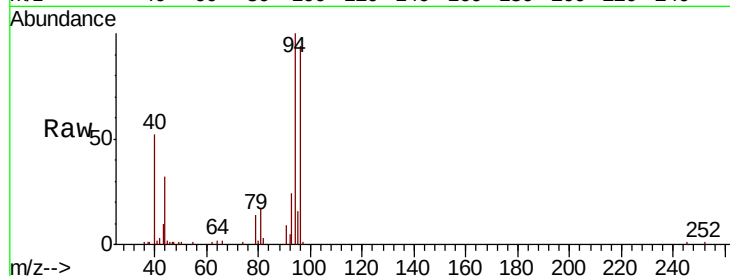
96 93.6 75.0 112.6

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#6

Chloroethane

Concen: 48.496 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF061987.D

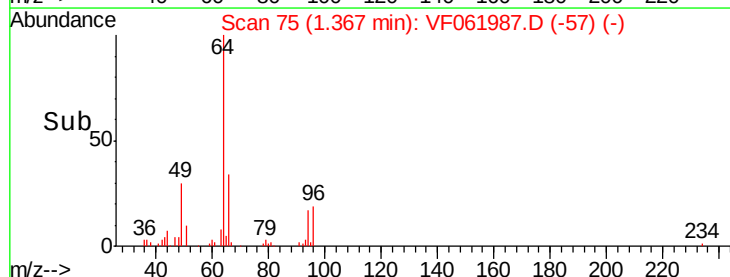
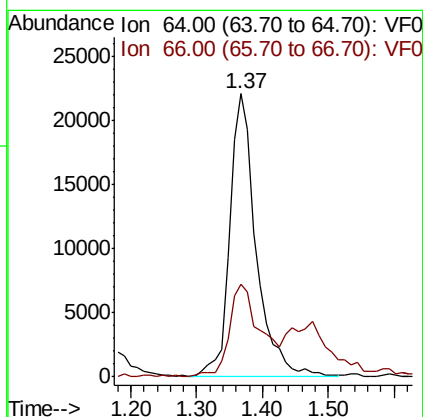
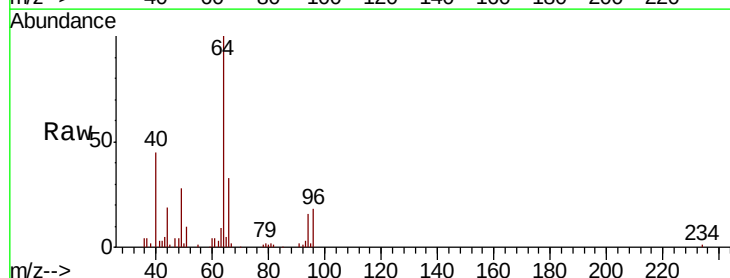
Acq: 16 Mar 2019 21:21

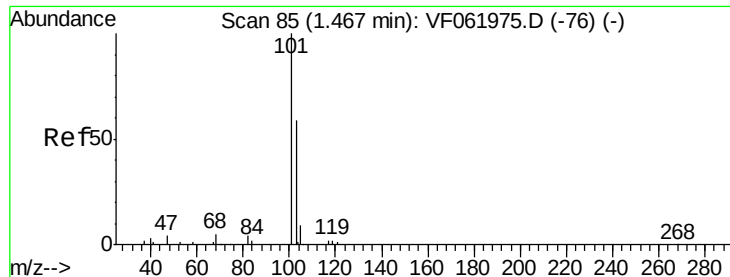
Tgt Ion: 64 Resp: 62254

Ion Ratio Lower Upper

64 100

66 32.6 27.6 41.4





#7

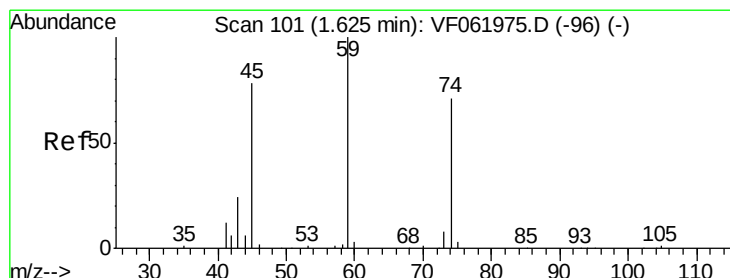
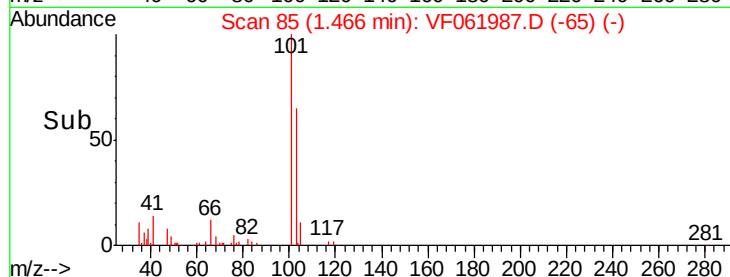
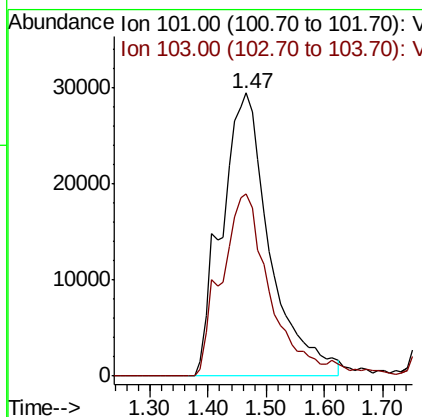
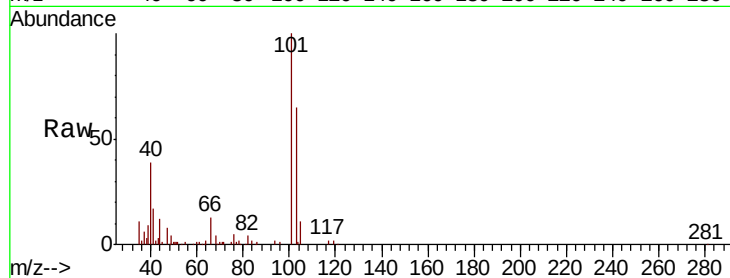
Trichlorofluoromethane
Concen: 51.666 ug/l
RT: 1.47 min Scan# 85
Delta R.T. -0.00 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	47.3	70.9

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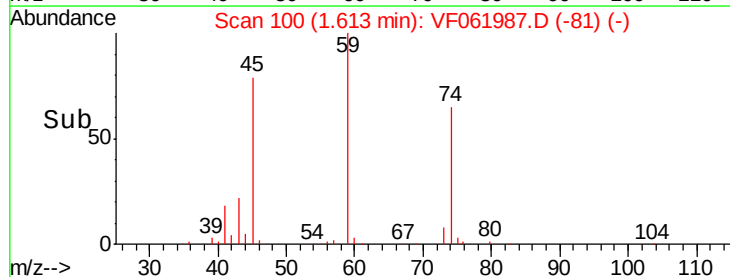
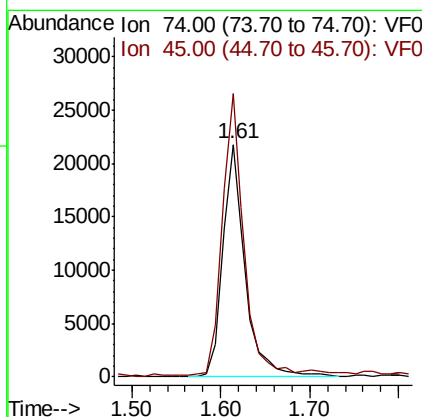
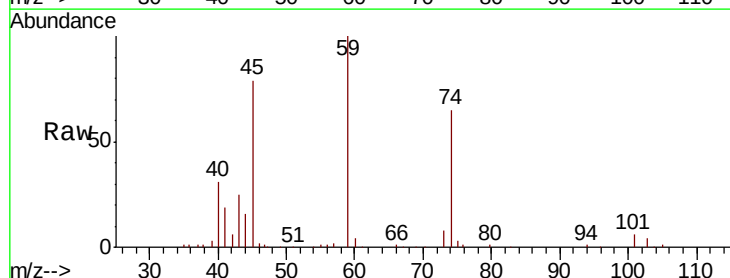
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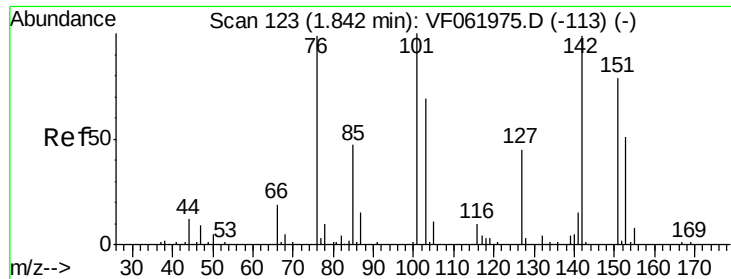


#8

Diethyl Ether
Concen: 52.555 ug/l
RT: 1.61 min Scan# 100
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.8	56.3	168.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.391 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.03 min

Lab File: VF061987.D

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Instrument :

MSVOA_F

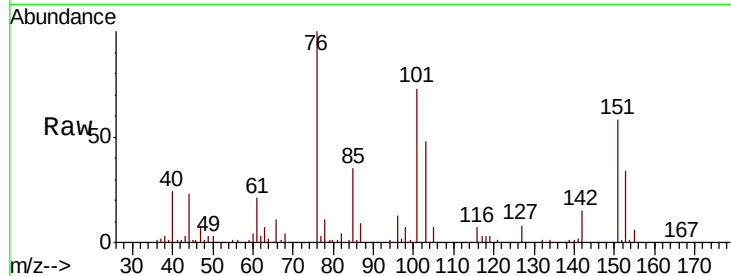
ClientSampleId :

VSTDCCC050EC

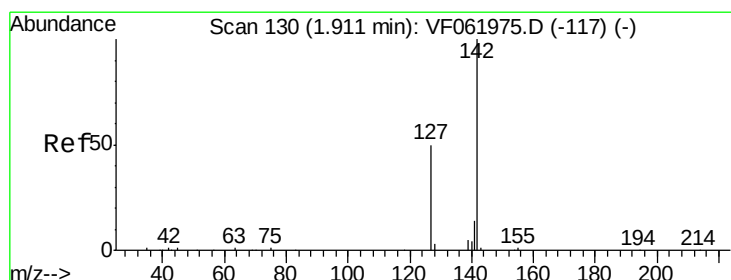
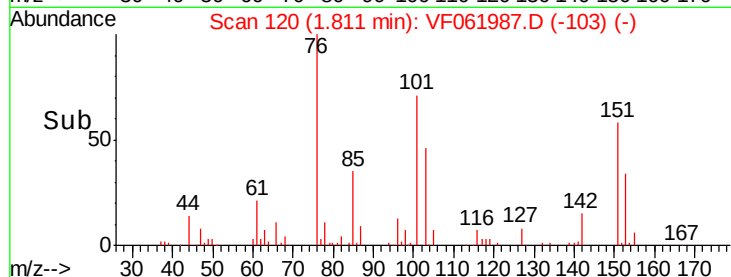
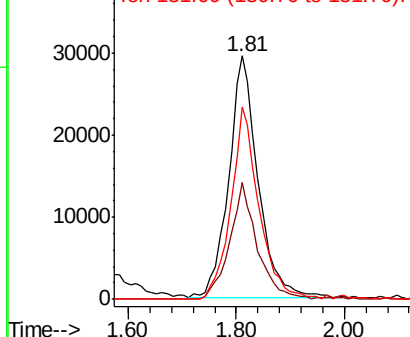
Tot Ion:	101	Resp:	109998
Ion Ratio	Lower	Upper	
101	100		
85	47.9	36.8	55.2
151	79.2	62.2	93.2

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VF0
Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 52.328 ug/l m

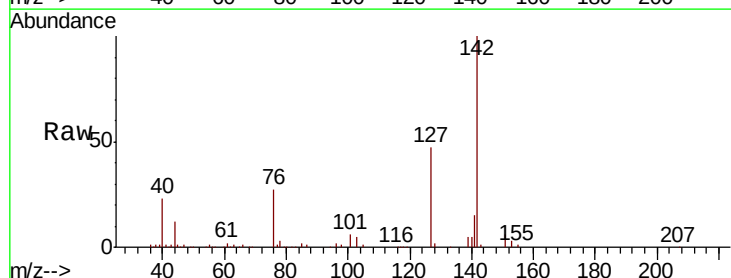
RT: 1.88 min Scan# 127

Delta R.T. -0.03 min

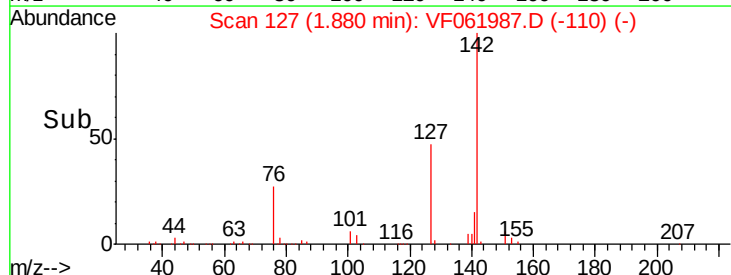
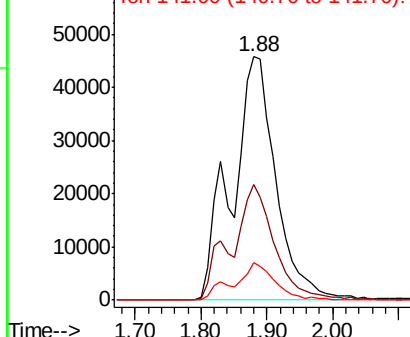
Lab File: VF061987.D

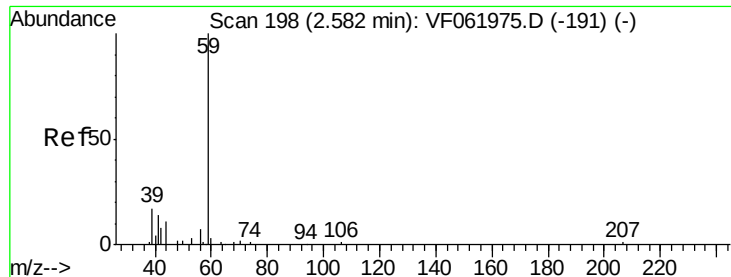
Acq: 16 Mar 2019 21:21

Tgt Ion:	142	Resp:	212631
Ion Ratio	Lower	Upper	
142	100		
127	47.4	39.7	59.5
141	15.3	10.8	16.2



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V





#11

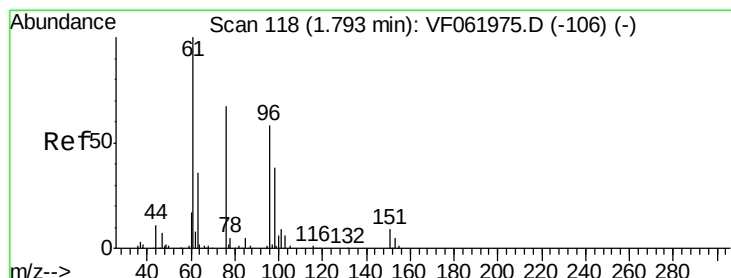
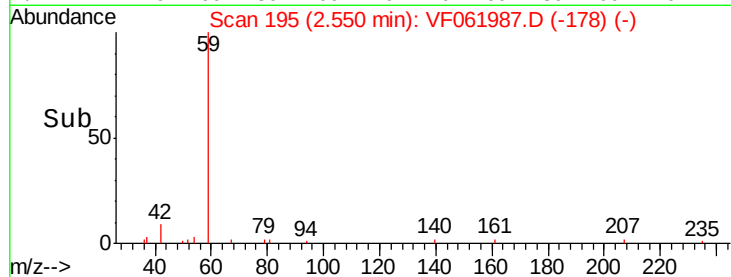
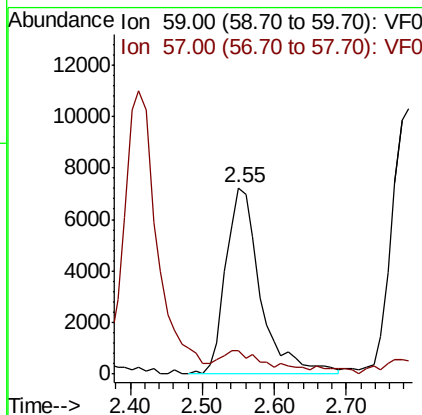
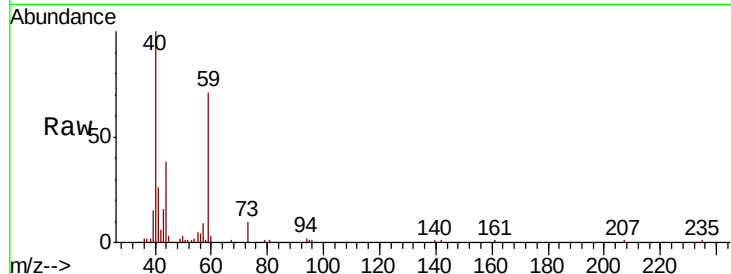
Tert butyl alcohol
Concen: 231.761 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.03 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 24228
Ion Ratio Lower Upper
59 100
57 12.7 8.7 13.1

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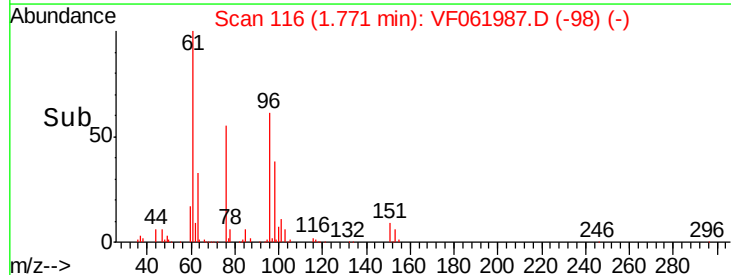
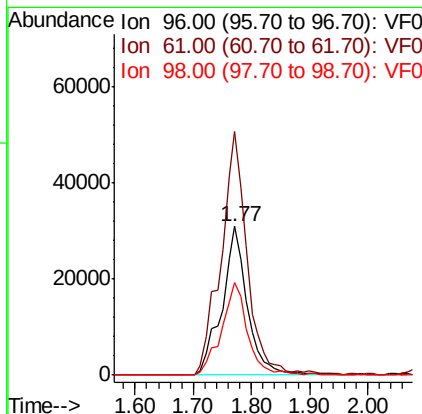
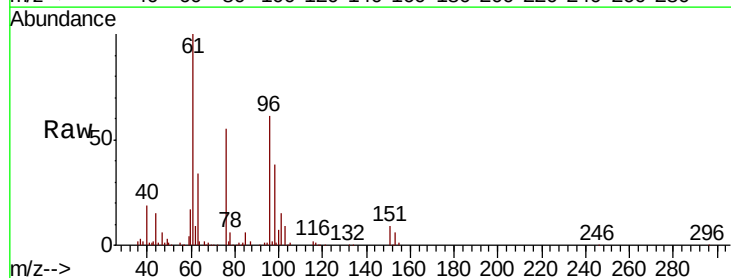
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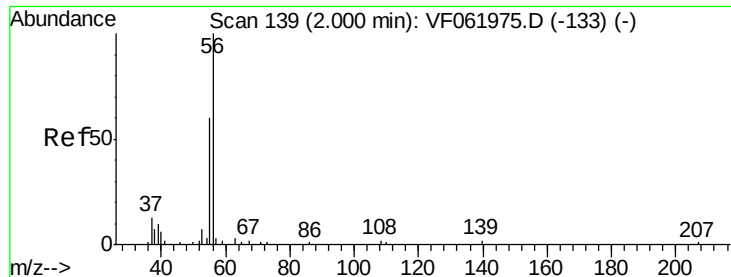


#12

1,1-Dichloroethene
Concen: 47.162 ug/l
RT: 1.77 min Scan# 116
Delta R.T. -0.02 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion: 96 Resp: 94469
Ion Ratio Lower Upper
96 100
61 163.9 138.6 208.0
98 62.0 53.2 79.8





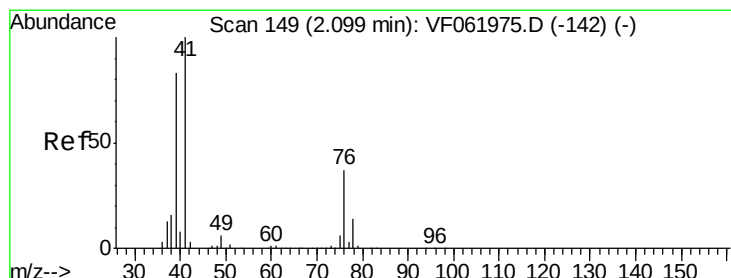
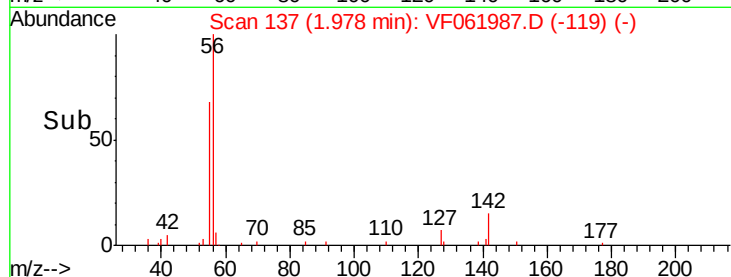
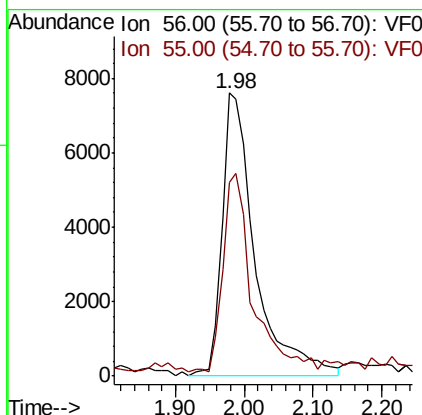
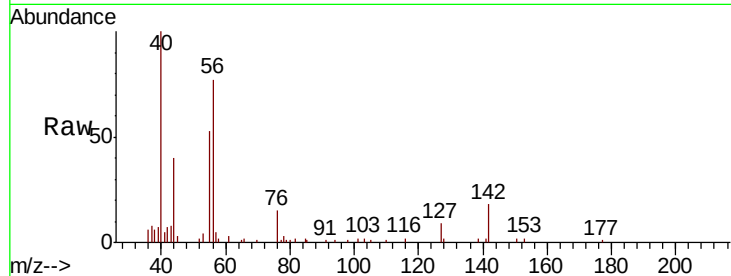
#13
Acrolein
Concen: 224.559 ug/l
RT: 1.98 min Scan# 137
Delta R.T. -0.02 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.4	49.1	73.7

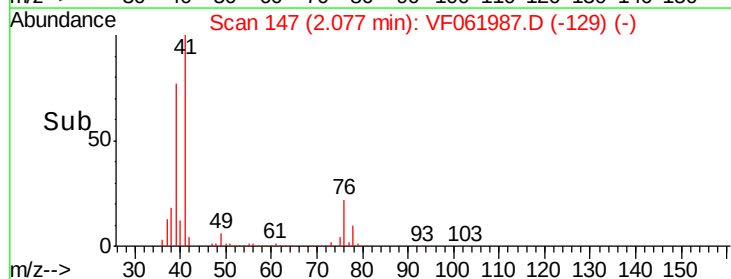
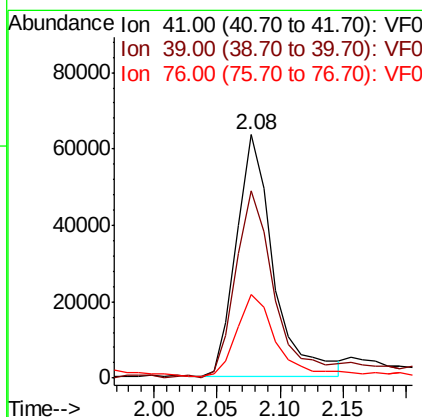
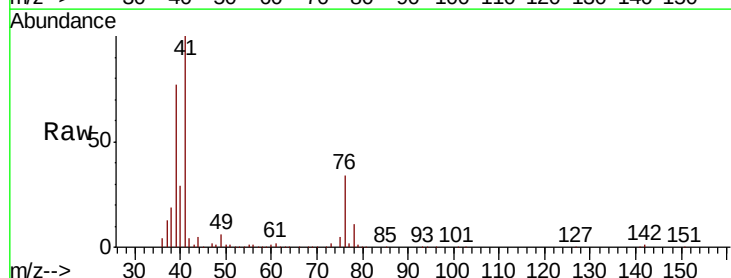
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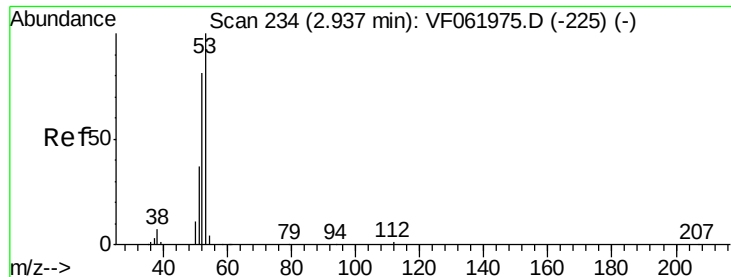
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#14
Allyl chloride
Concen: 50.966 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.02 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Lower	Upper
41	100		
39	77.2	66.8	100.2
76	34.3	31.1	46.7





#15

Acrylonitrile

Concen: 236.803 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

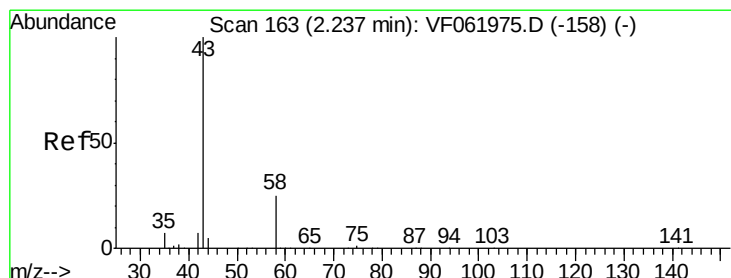
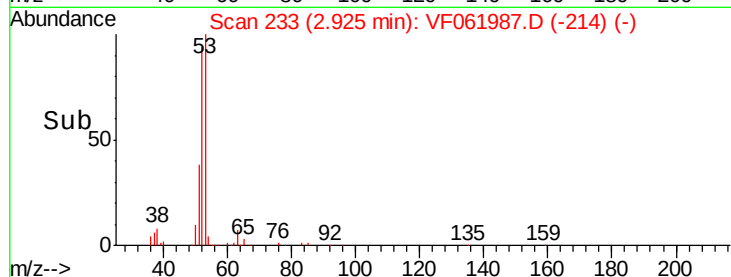
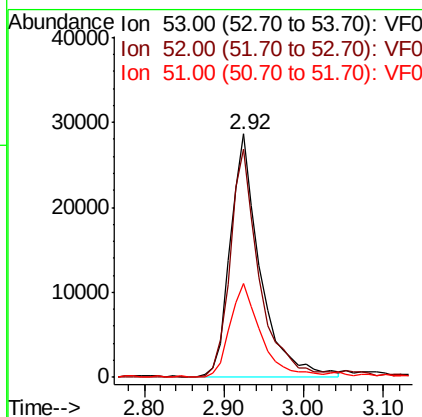
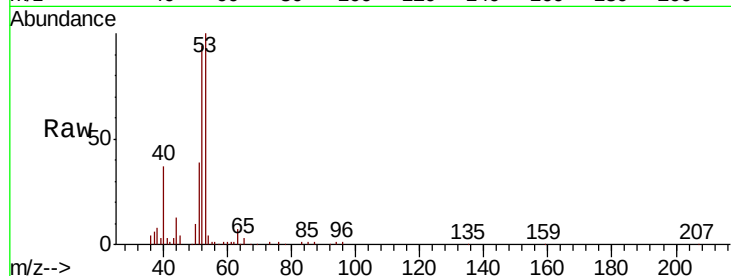
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	75279
Ion	Ratio	Lower	Upper
53	100		
52	93.6	64.4	96.6
51	38.5	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 213.376 ug/l

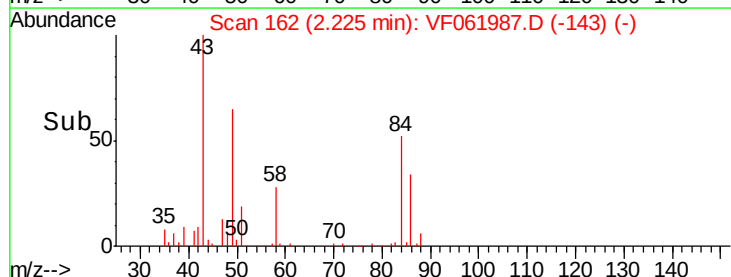
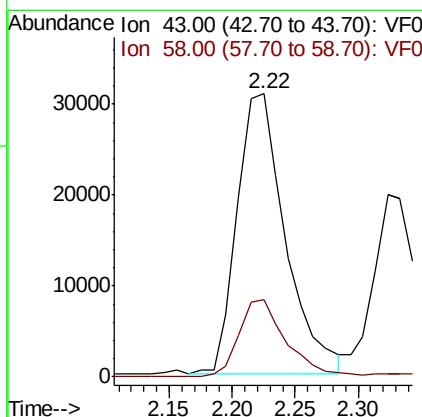
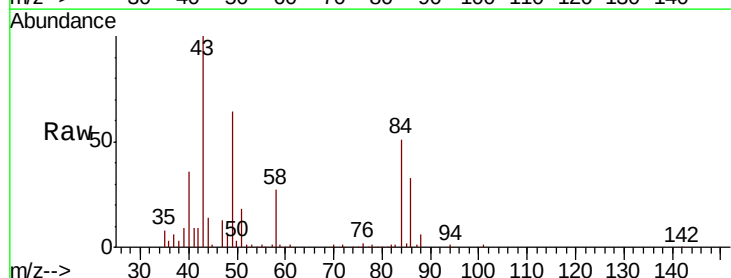
RT: 2.22 min Scan# 162

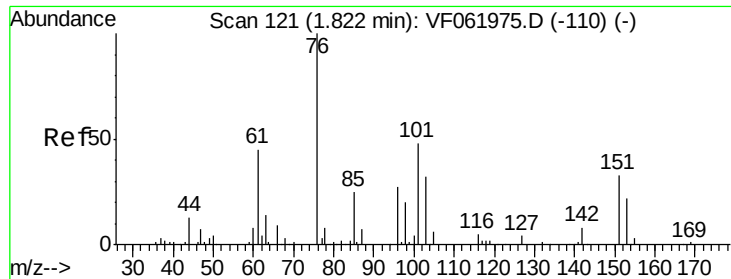
Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Tgt Ion:	43	Resp:	81857
Ion	Ratio	Lower	Upper
43	100		
58	27.5	19.9	29.9





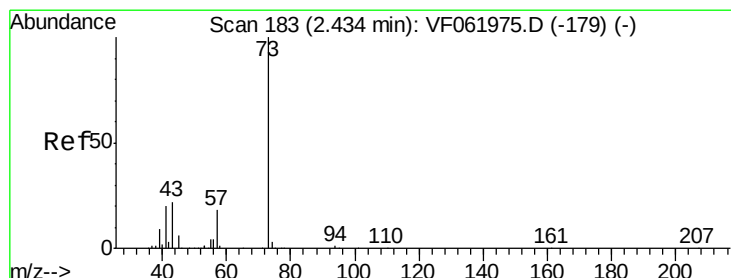
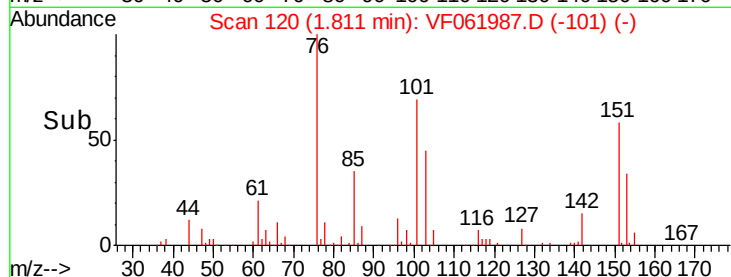
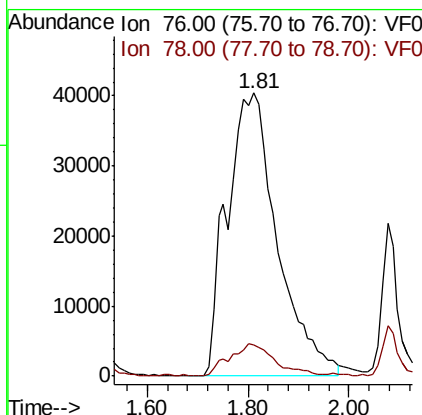
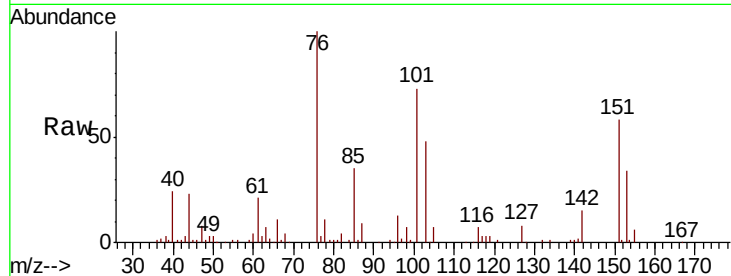
#17
Carbon Disulfide
Concen: 48.585 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 281321
Ion Ratio Lower Upper
76 100
78 11.0 6.8 10.2#

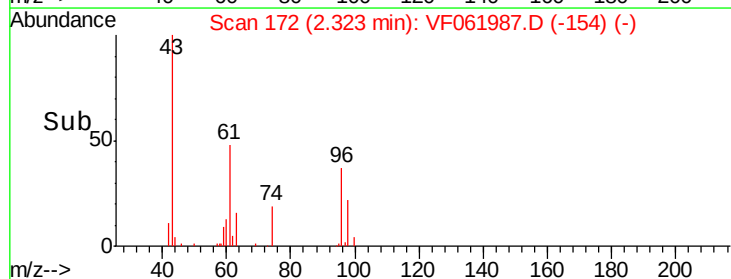
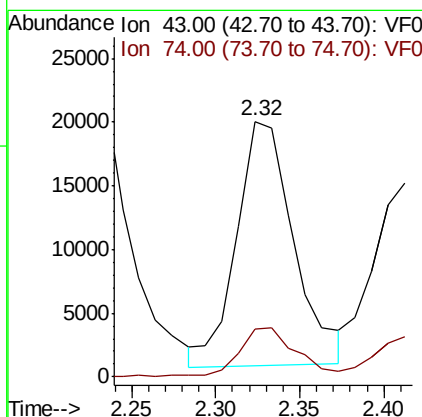
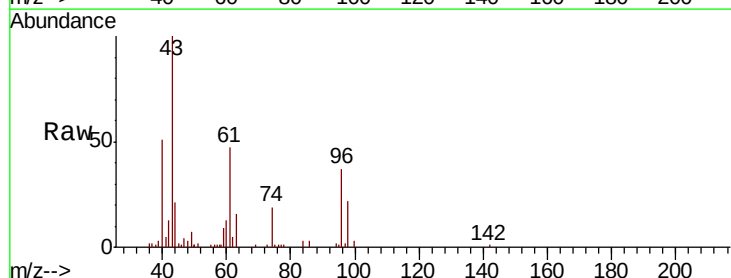
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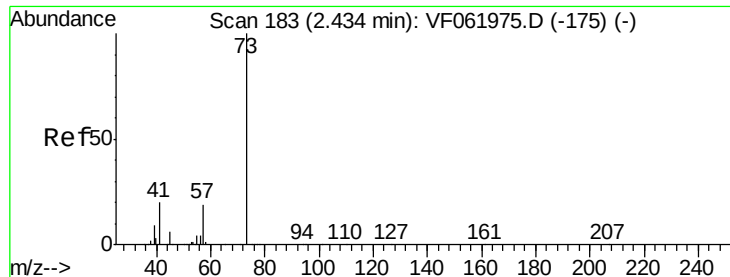
MMDadoda
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#18
Methyl Acetate
Concen: 52.302 ug/l
RT: 2.32 min Scan# 172
Delta R.T. -0.02 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion: 43 Resp: 45469
Ion Ratio Lower Upper
43 100
74 18.9 18.3 27.5





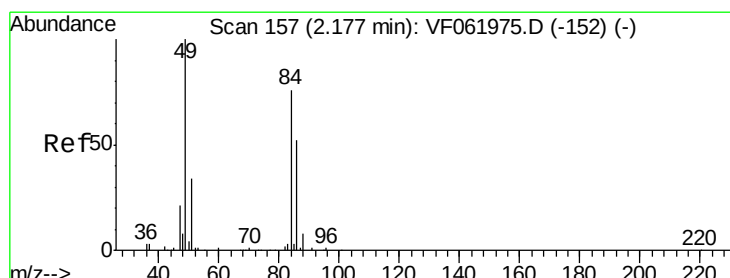
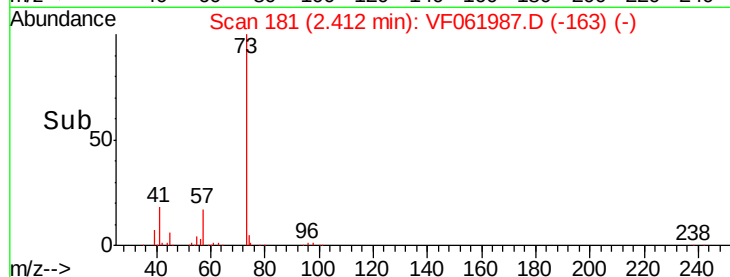
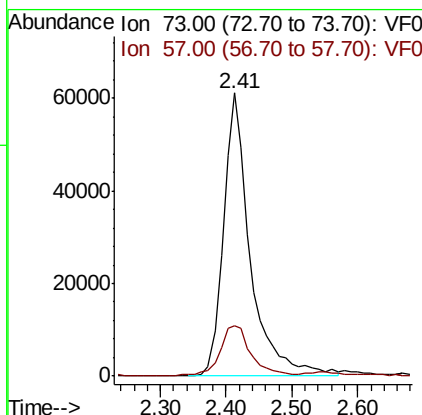
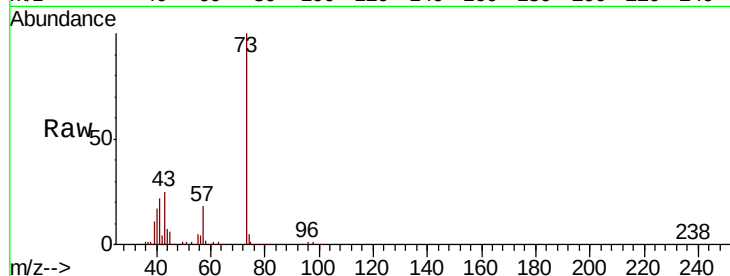
#19
Methyl tert-butyl Ether
Concen: 47.945 ug/l
RT: 2.41 min Scan# 181
Delta R.T. -0.02 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	73	Resp	174023
Ion Ratio	Lower	Upper	
73	100		
57	18.0	15.3	22.9

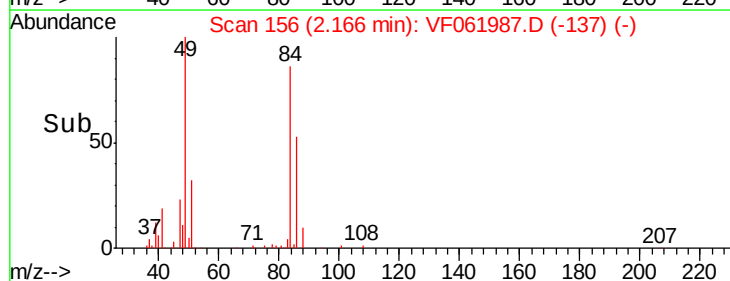
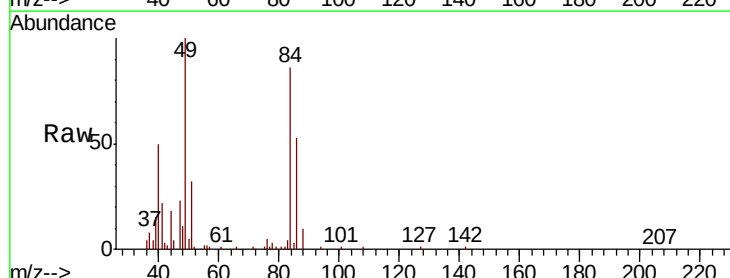
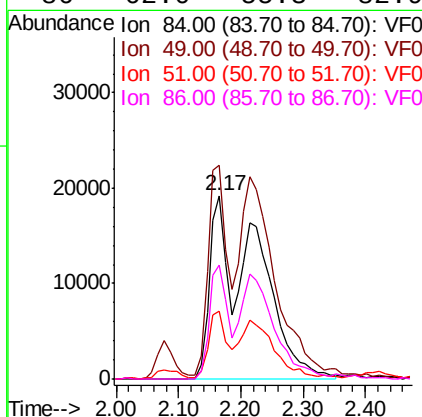
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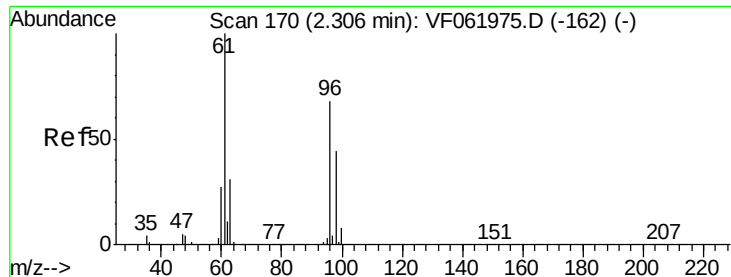
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#20
Methylene Chloride
Concen: 49.548 ug/l m
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion	84	Resp	99175
Ion Ratio	Lower	Upper	
84	100		
49	116.3	107.0	160.6
51	36.7	37.2	55.8#
86	62.0	55.3	82.9





#21

trans-1,2-Dichloroethene

Concen: 48.043 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

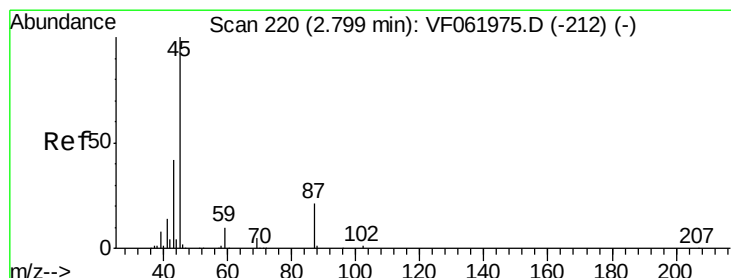
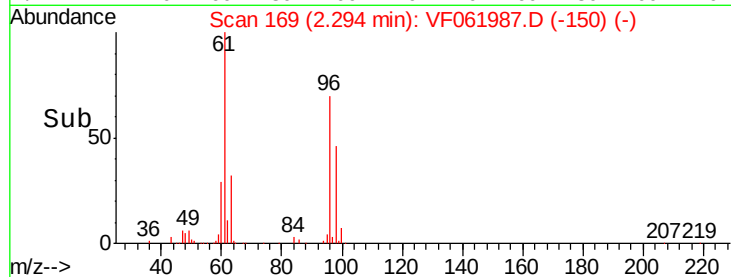
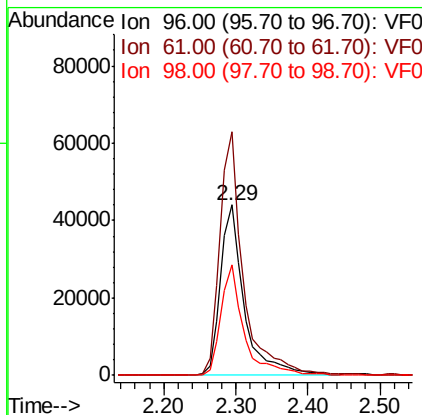
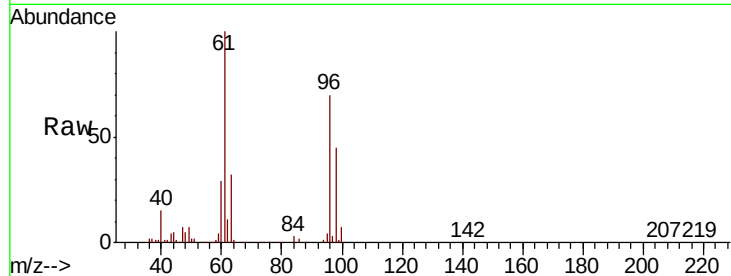
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	100426
Ion	Ratio	Lower	Upper
96	100		
61	143.2	117.4	176.2
98	65.1	51.2	76.8

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#22

Diisopropyl ether

Concen: 46.102 ug/l

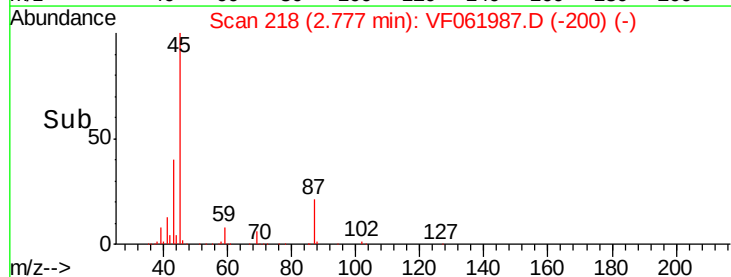
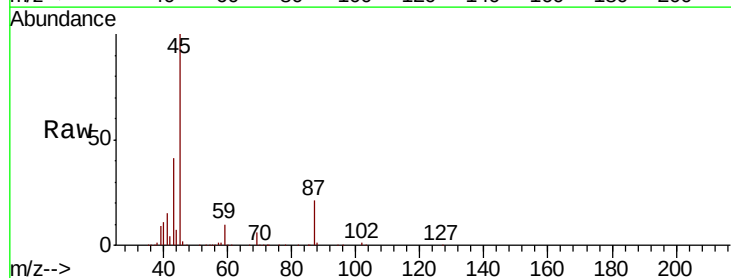
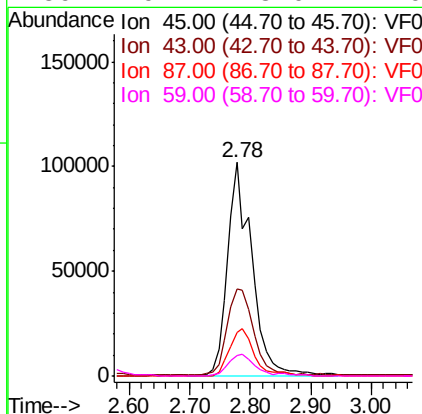
RT: 2.78 min Scan# 218

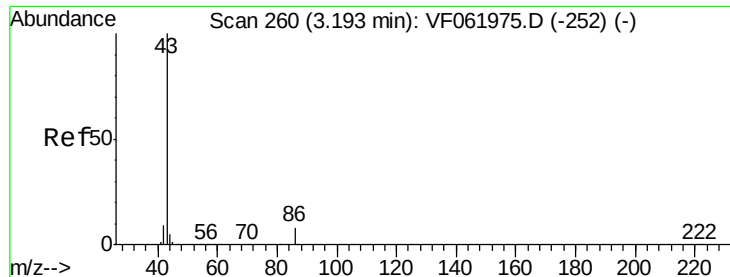
Delta R.T. -0.02 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Tgt Ion:	45	Resp:	283541
Ion	Ratio	Lower	Upper
45	100		
43	40.7	33.7	50.5
87	20.7	17.1	25.7
59	9.7	8.0	12.0





#23

Vinyl Acetate

Concen: 265.372 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 643393

Ion Ratio Lower Upper

43 100

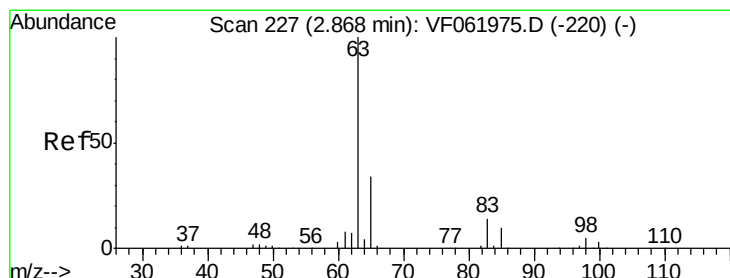
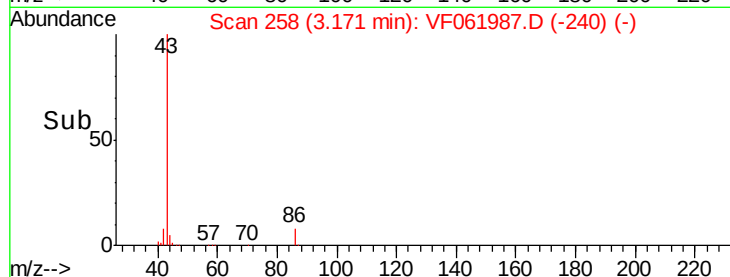
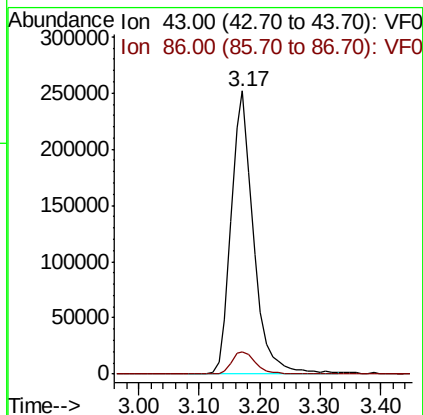
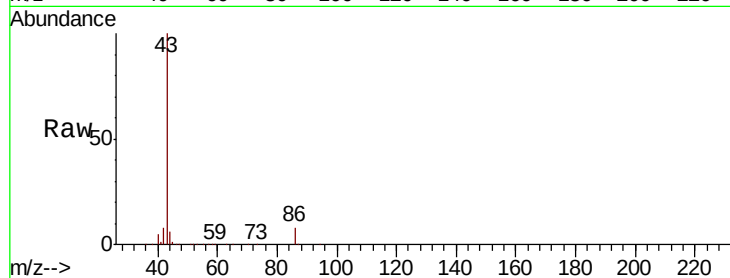
86 8.0 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 48.657 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

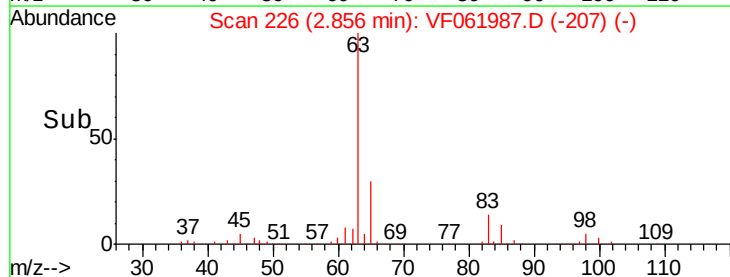
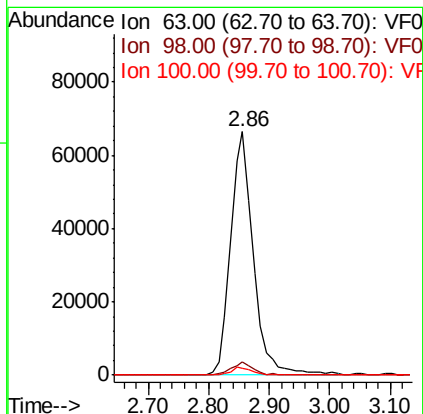
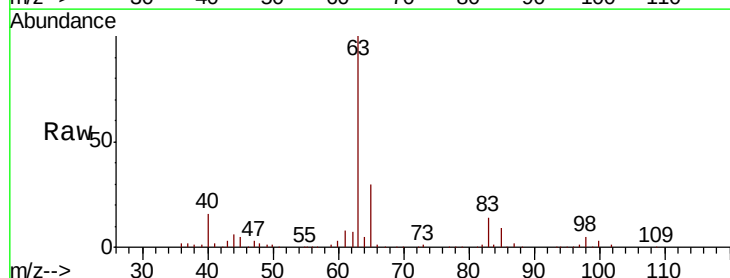
Tgt Ion: 63 Resp: 174004

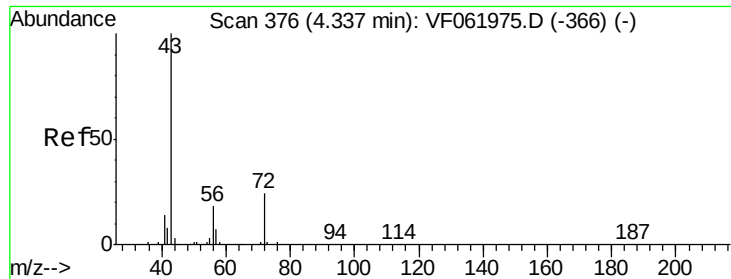
Ion Ratio Lower Upper

63 100

98 5.3 2.7 8.1

100 3.0 1.7 5.0





#25

2-Butanone

Concen: 236.037 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 179332

Ion Ratio Lower Upper

43 100

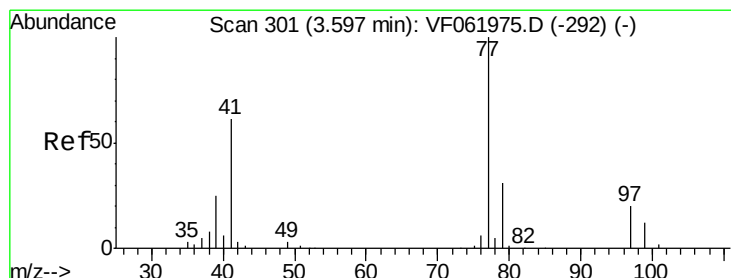
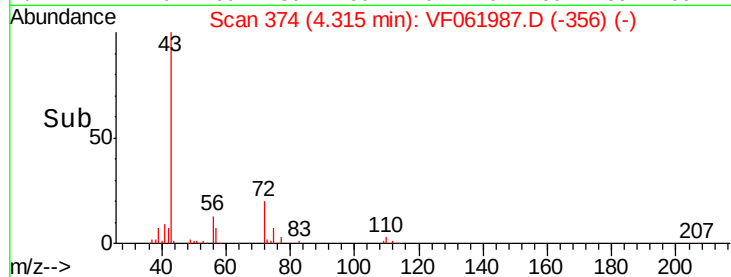
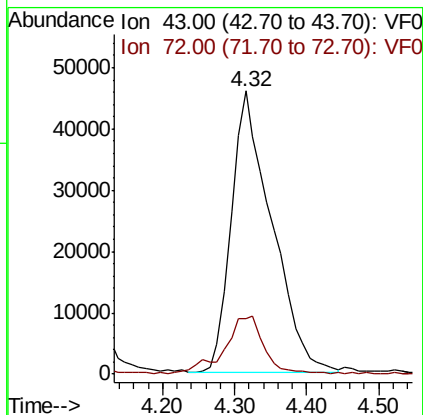
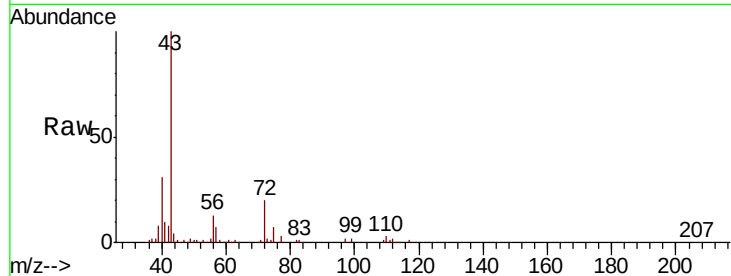
72 19.7 19.8 29.6#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.472 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.02 min

Lab File: VF061987.D

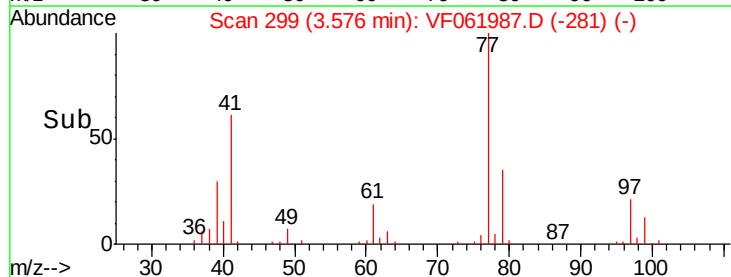
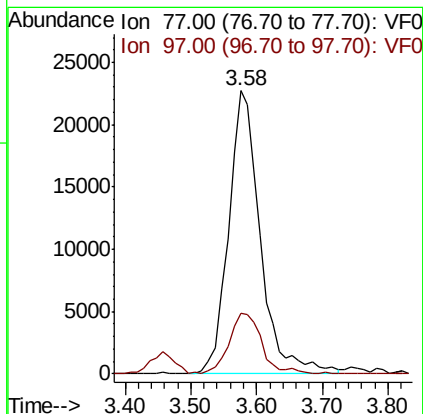
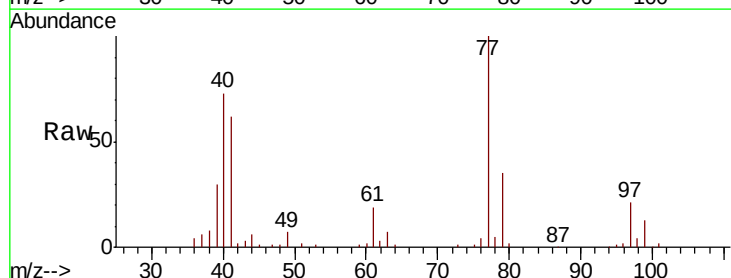
Acq: 16 Mar 2019 21:21

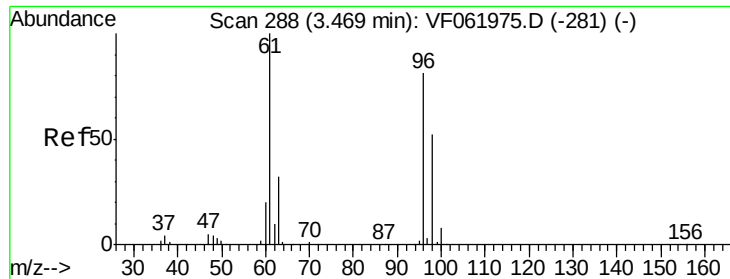
Tgt Ion: 77 Resp: 76702

Ion Ratio Lower Upper

77 100

97 21.3 10.8 32.4





#27

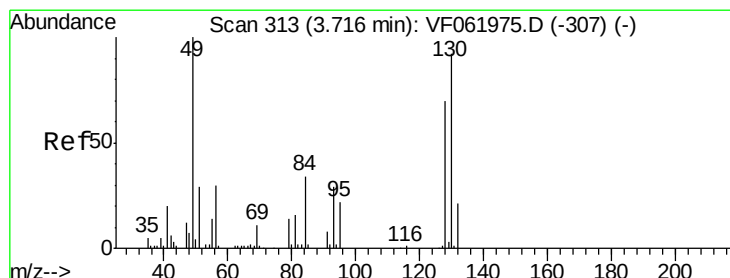
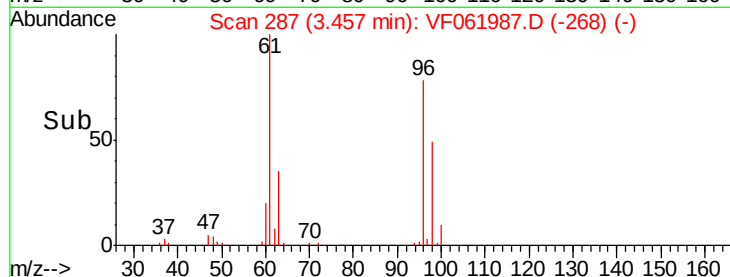
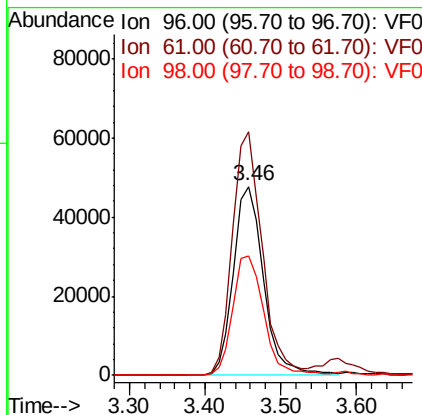
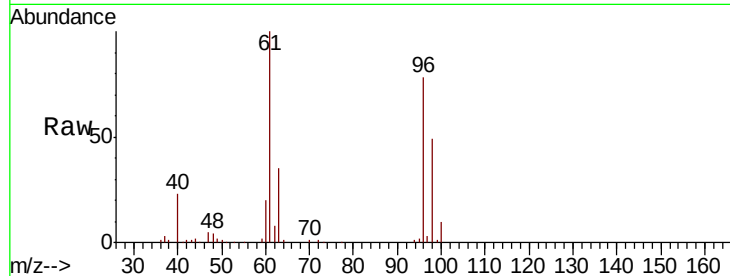
cis-1,2-Dichloroethene
Concen: 50.186 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.7	0.0	246.6
98	63.4	0.0	129.2

Manual Integrations
APPROVED

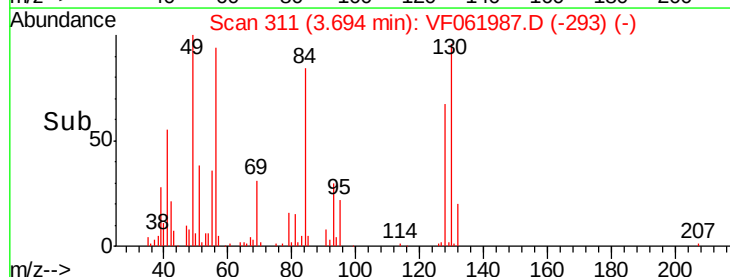
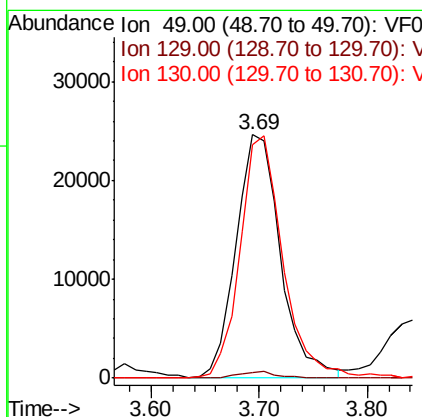
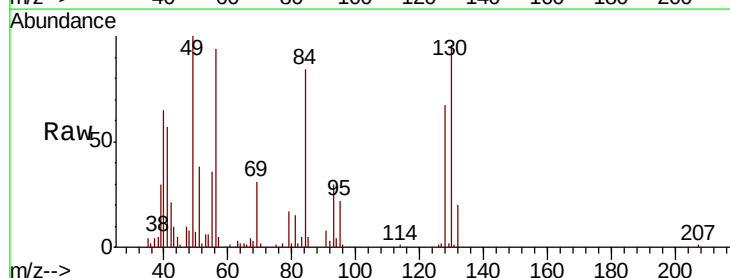
MMDadoda
3/22/2019 6:19:37 PM

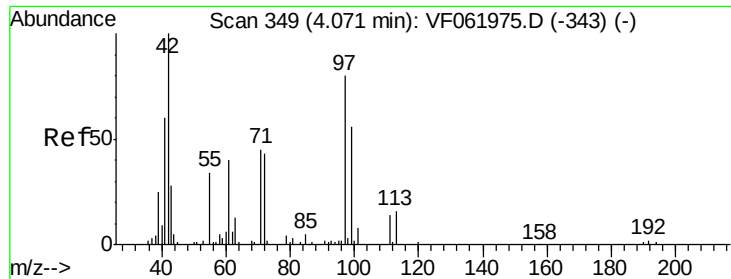


#28

Bromochloromethane
Concen: 47.743 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.8
130	95.7	73.1	109.7





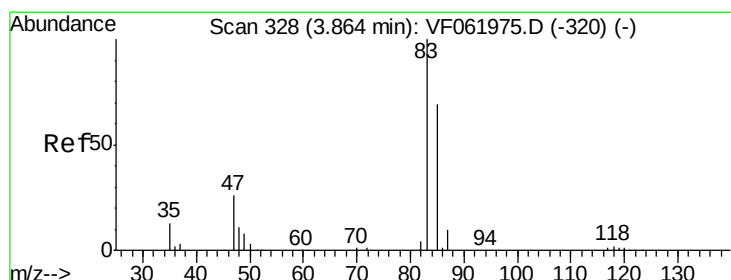
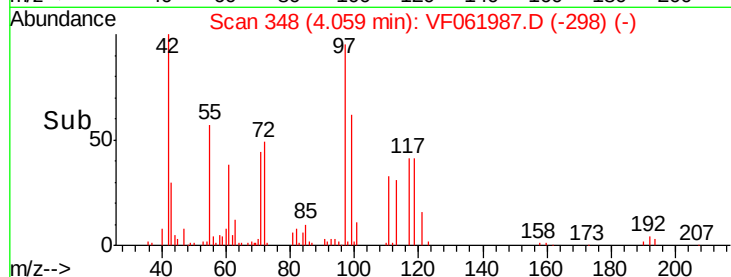
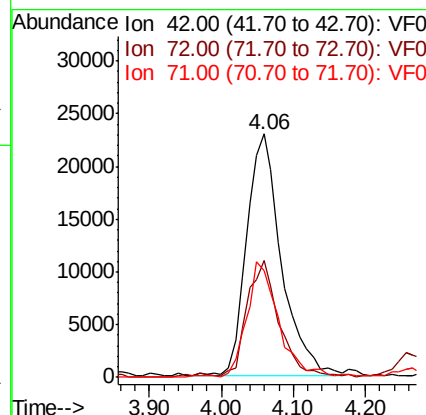
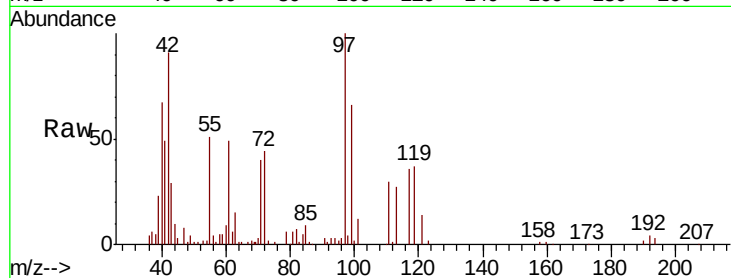
#29
Tetrahydrofuran
Concen: 232.624 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	34.0	51.0
71	44.6	34.2	51.4

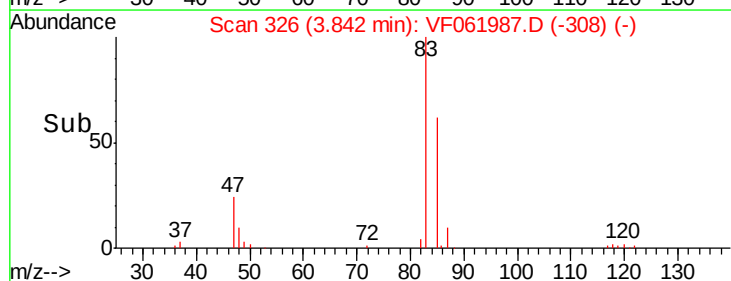
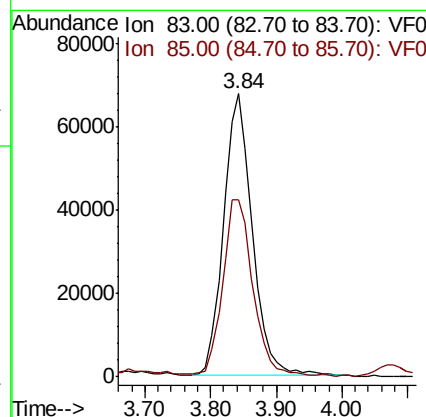
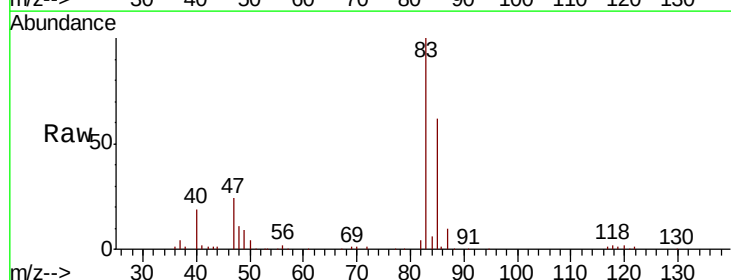
Manual Integrations
APPROVED

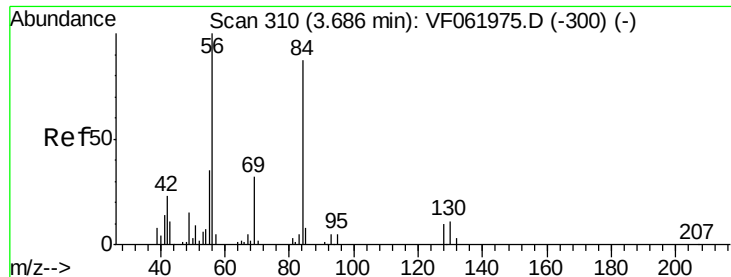
MMDadoda
3/22/2019 6:19:37 PM



#30
Chloroform
Concen: 50.495 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	55.5	83.3





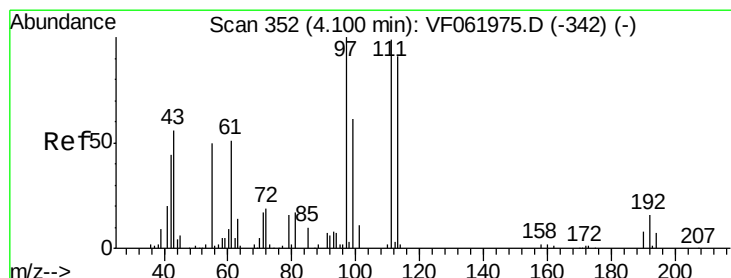
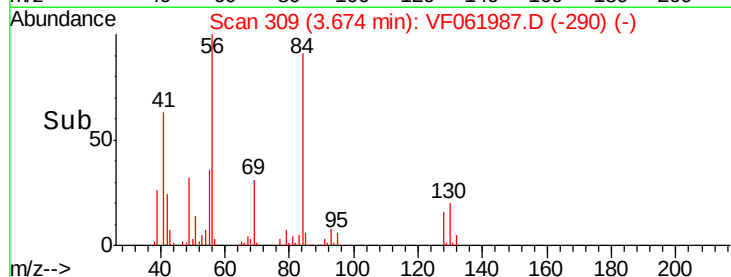
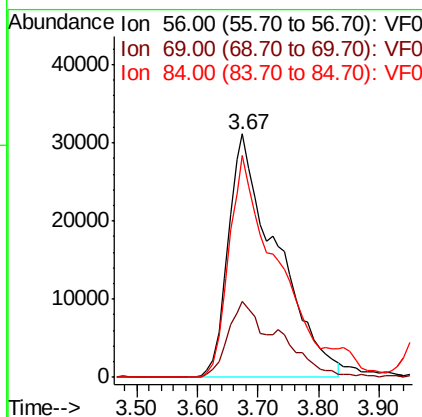
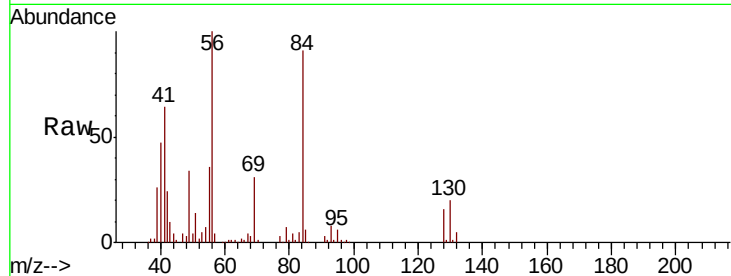
#31
Cyclohexane
Concen: 48.975 ug/l
RT: 3.67 min Scan# 309
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.8	38.8
84	90.9	69.5	104.3

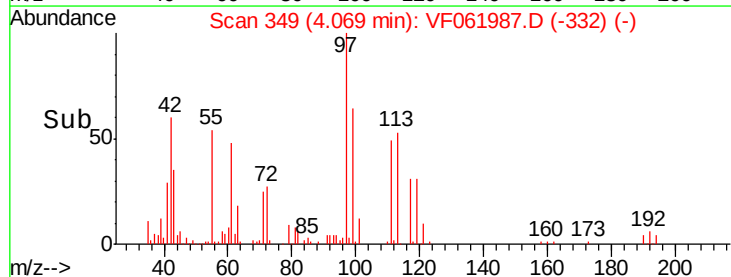
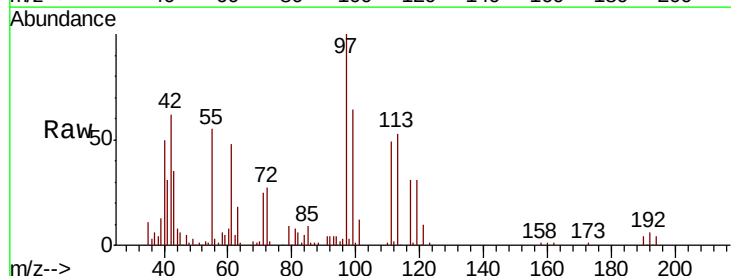
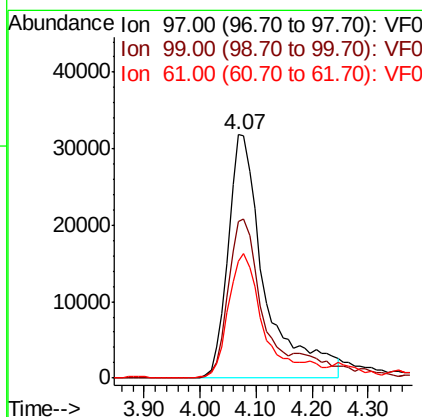
Manual Integrations
APPROVED

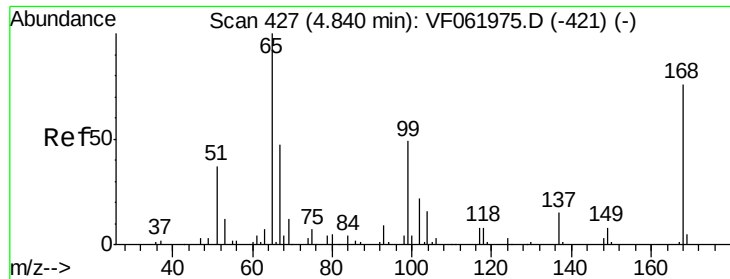
MMDadoda
3/22/2019 6:19:37 PM



#32
1,1,1-Trichloroethane
Concen: 54.210 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.03 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	49.0	73.4
61	48.1	41.4	62.0





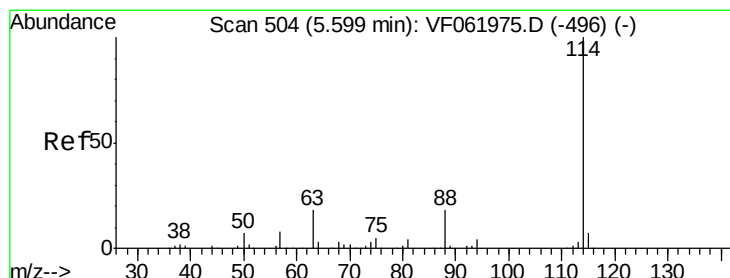
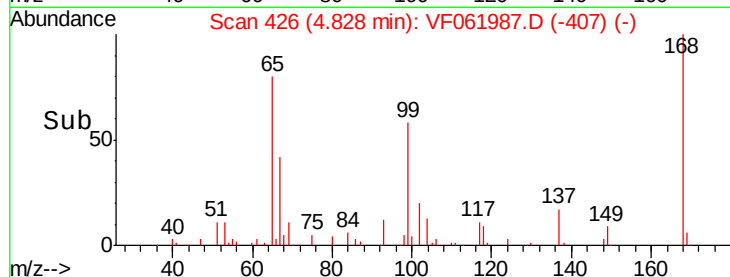
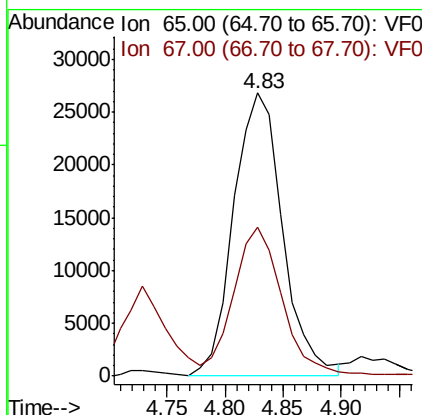
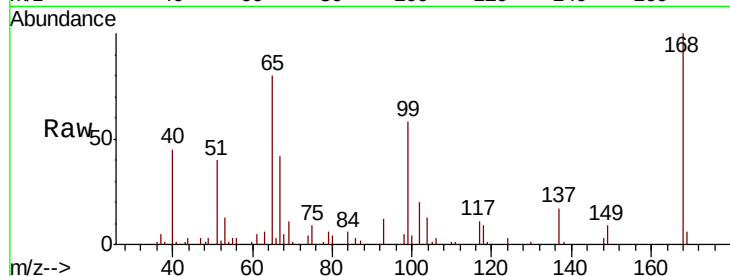
#33
 1,2-Dichloroethane-d4
 Concen: 45.832 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	109.4

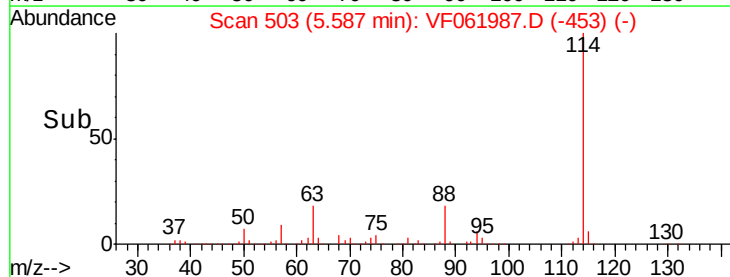
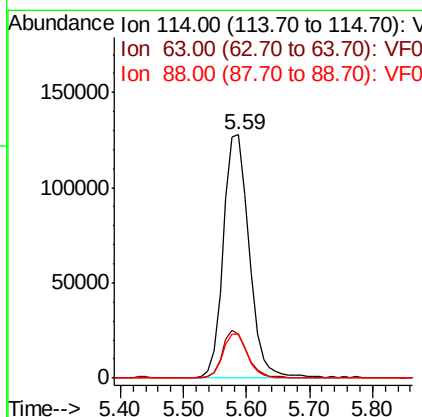
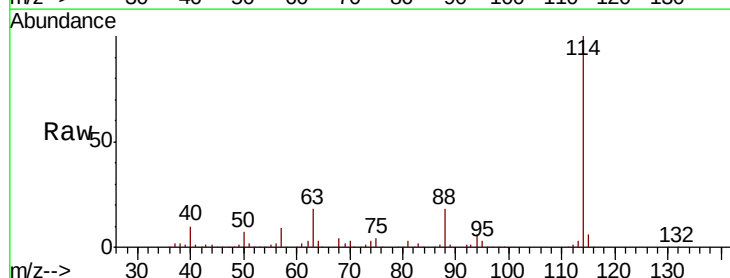
Manual Integrations
 APPROVED

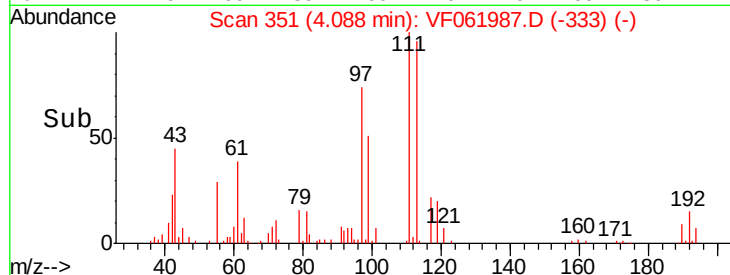
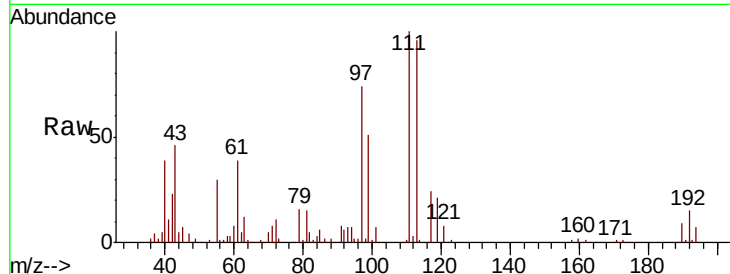
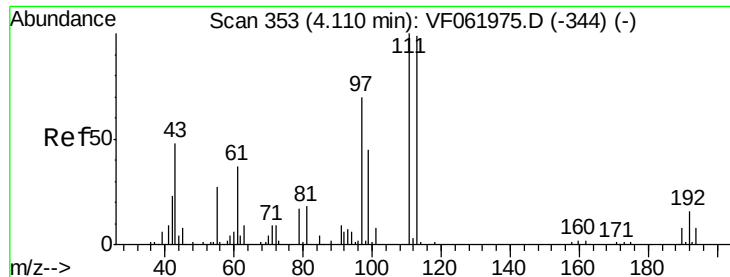
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	36.4
88	18.2	0.0	36.4





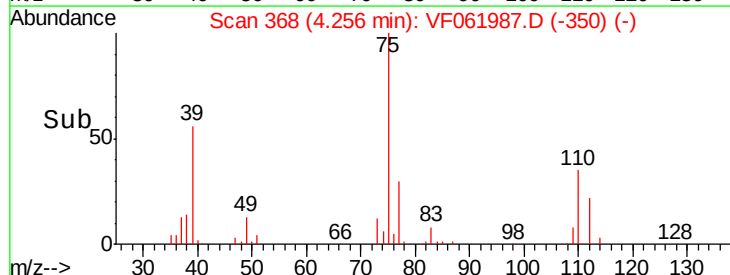
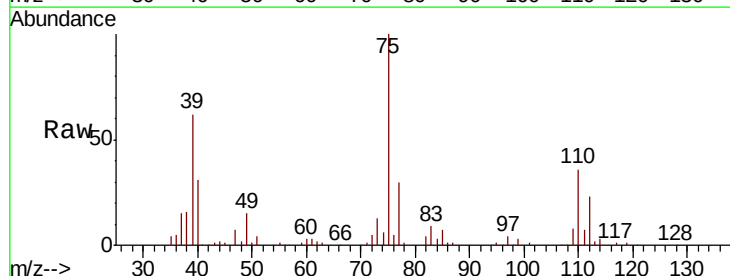
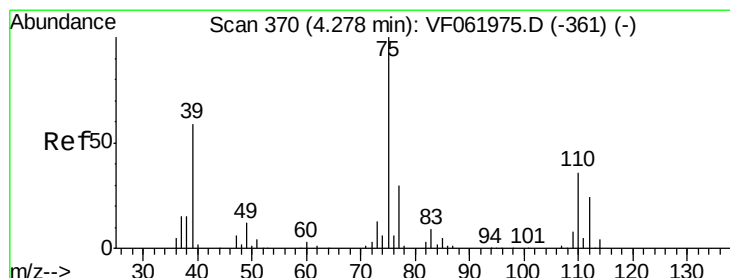
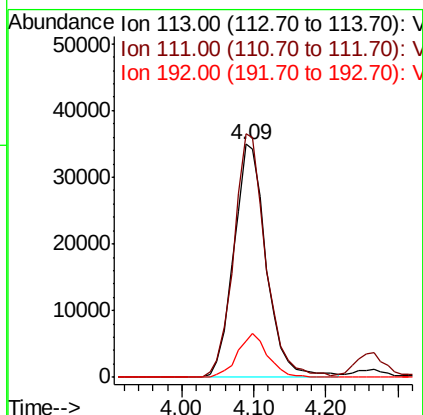
#35
Dibromofluoromethane
Concen: 44.614 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tot Ion	Ratio	Resp	Lower	Upper
113	100	109556		
111	104.6	80.8	121.2	
192	15.7	13.0	19.6	

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

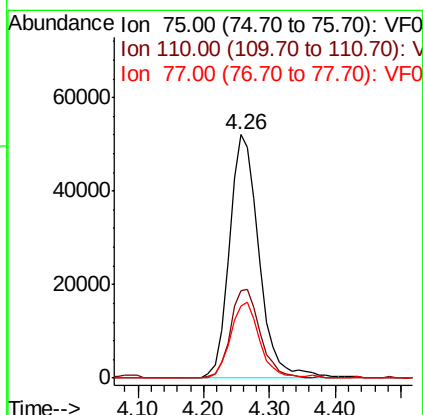
Manual Integrations
APPROVED

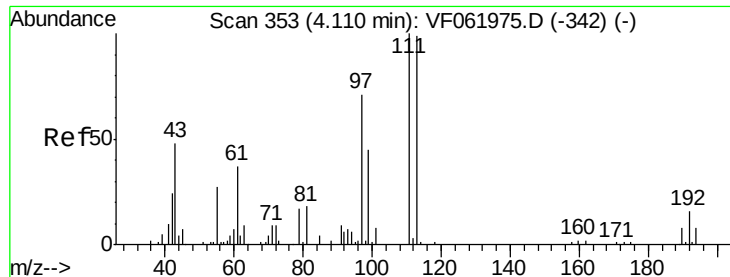
MMDadoda
3/22/2019 6:19:37 PM



#36
1,1-Dichloropropene
Concen: 49.726 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.02 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	164211		
110	35.9	17.8	53.3	
77	29.8	24.2	36.2	





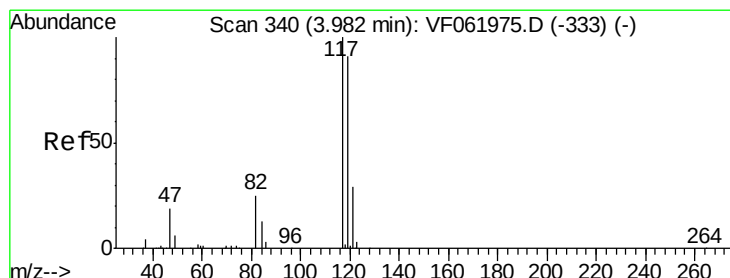
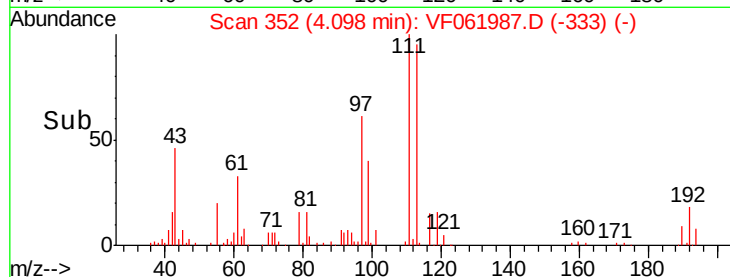
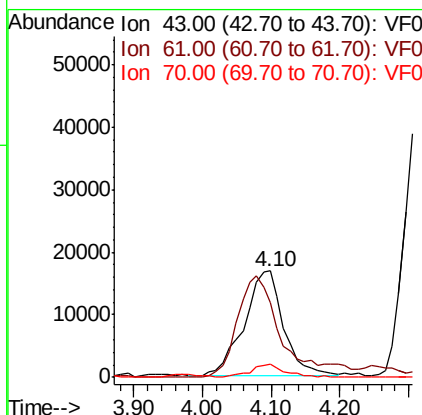
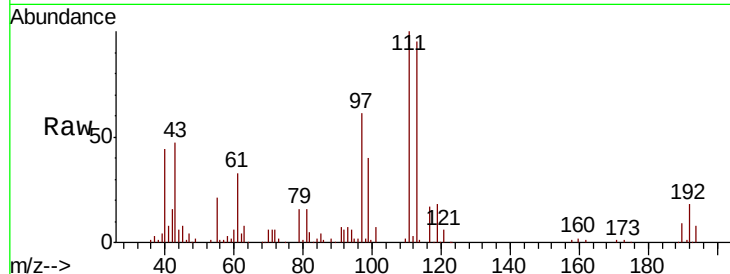
#37
Ethyl Acetate
Concen: 44.542 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70
Resp	66045		
Ratio	100	70.5	13.0
Lower		59.8	7.8
Upper		89.6	11.8

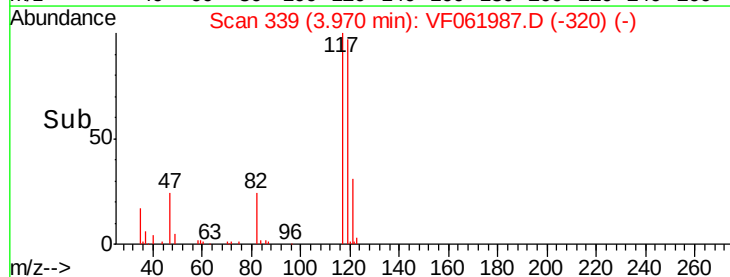
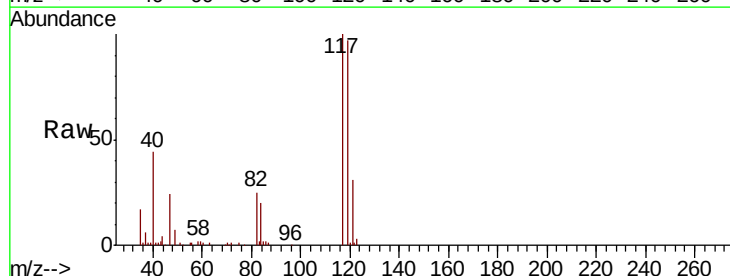
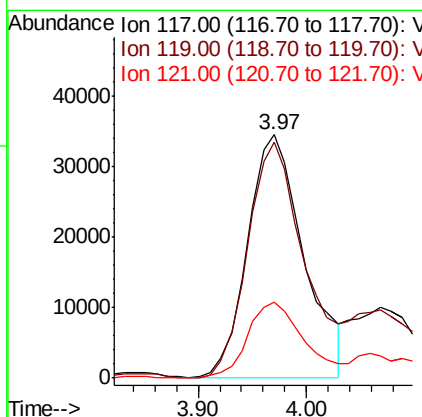
Manual Integrations
APPROVED

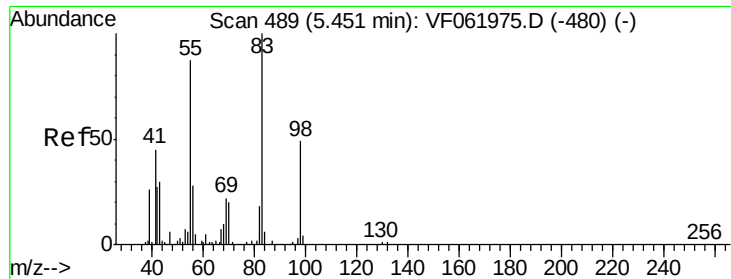
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#38
Carbon Tetrachloride
Concen: 51.973 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion	117	119	121
Resp	125432		
Ratio	100	96.7	31.1
Lower		73.0	23.0
Upper		109.4	34.6





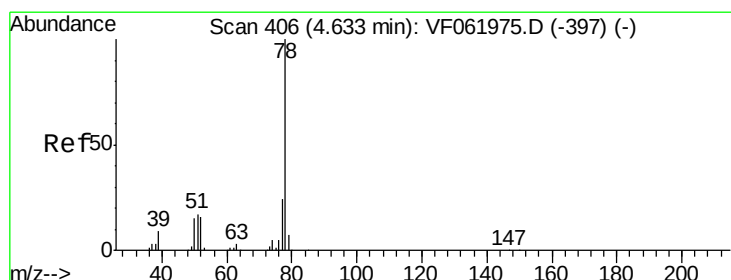
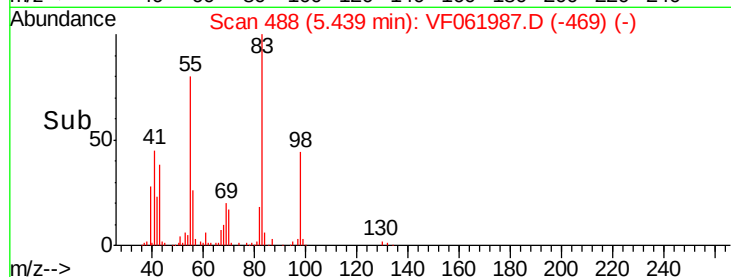
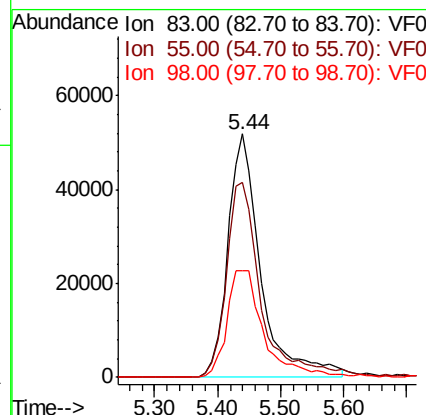
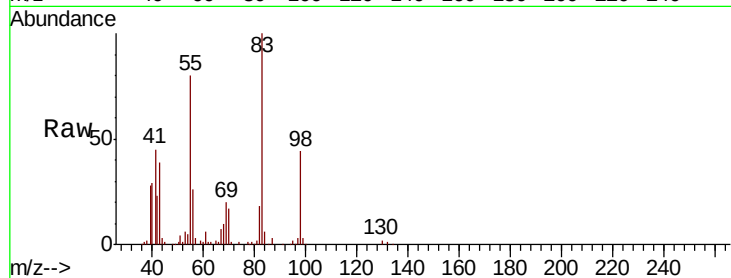
#39
Methylvlcyclohexane
Concen: 48.415 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	69.7	104.5
98	43.7	39.4	59.0

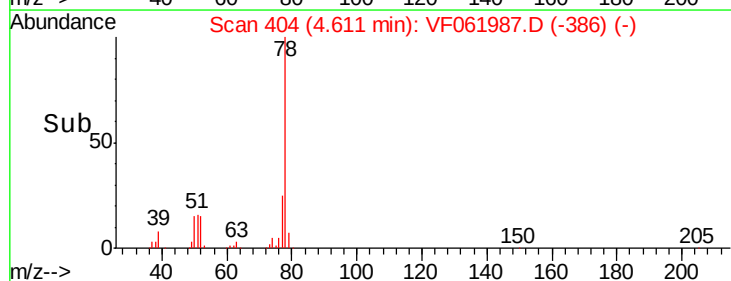
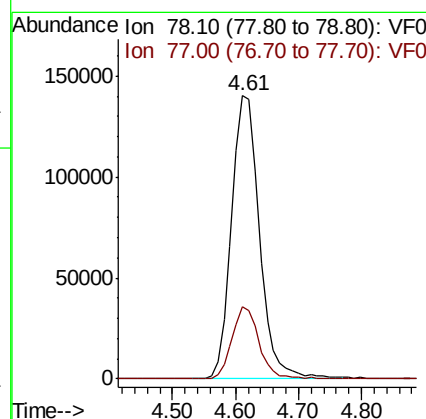
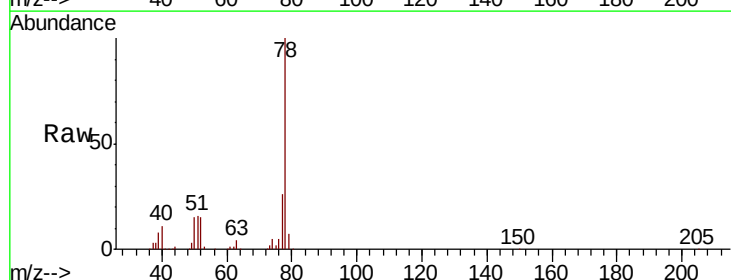
Manual Integrations
APPROVED

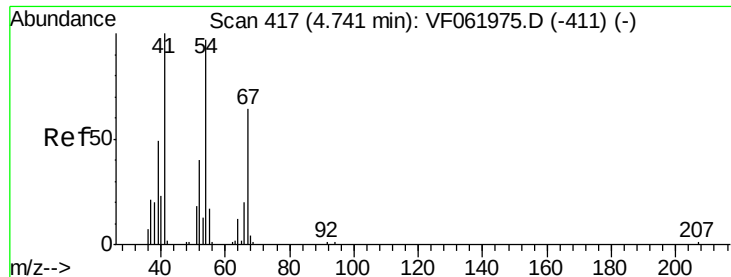
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#40
Benzene
Concen: 49.152 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.02 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.0	28.4





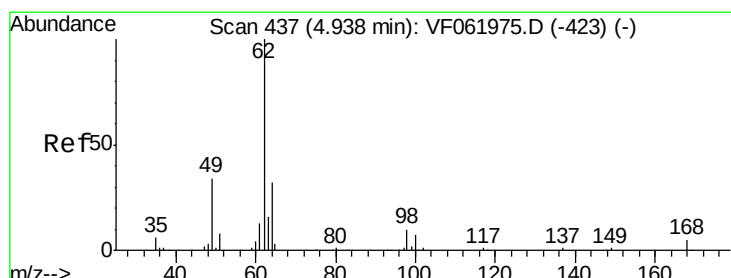
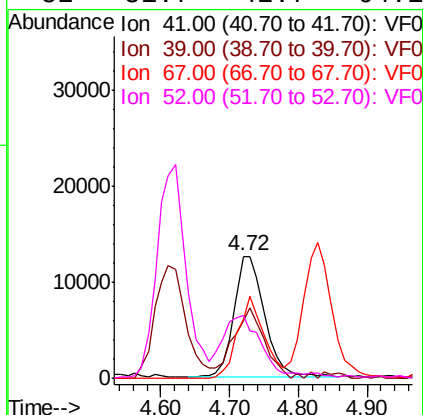
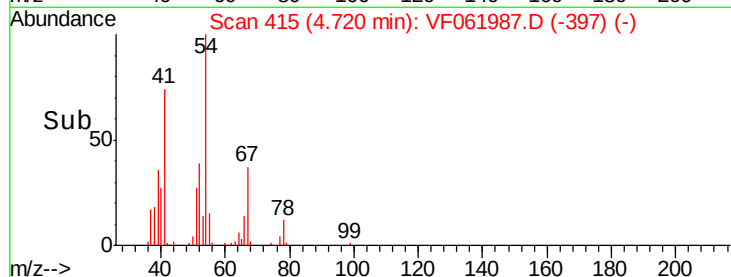
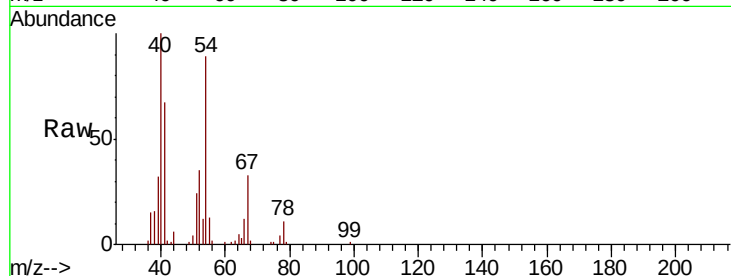
#41
Methacrylonitrile
Concen: 48.986 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.02 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		38807		
39	47.6	46.2	69.4		
67	48.8	49.8	74.8#		
52	51.7	42.7	64.1		

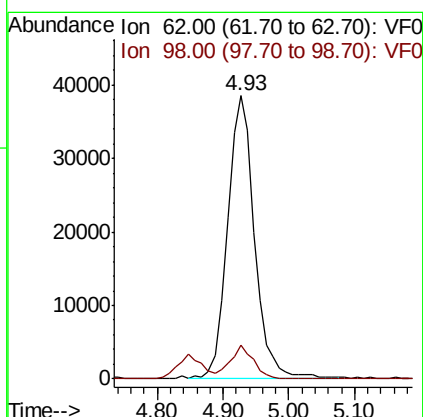
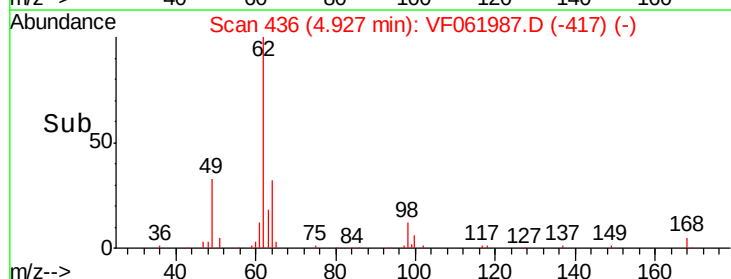
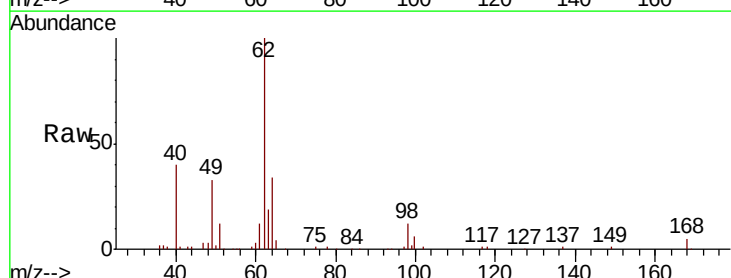
Manual Integrations
APPROVED

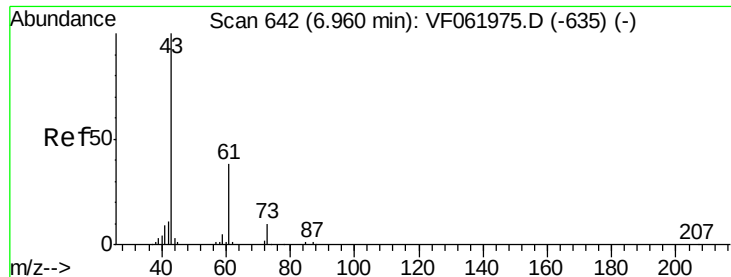
MMDadoda
3/22/2019 6:19:37 PM



#42
1,2-Dichloroethane
Concen: 50.046 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		109014		
98	11.7	0.0	19.8		





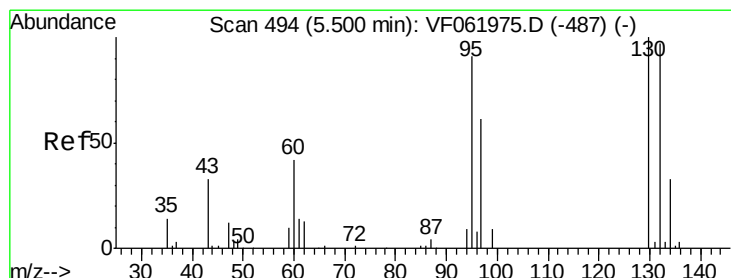
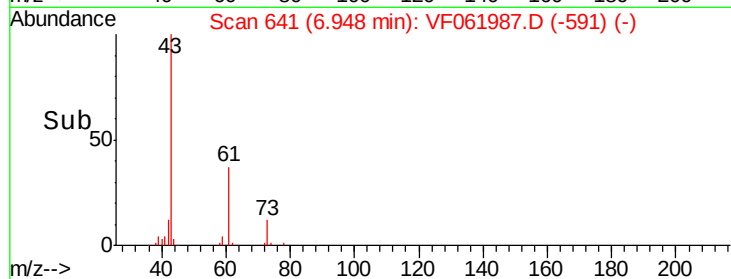
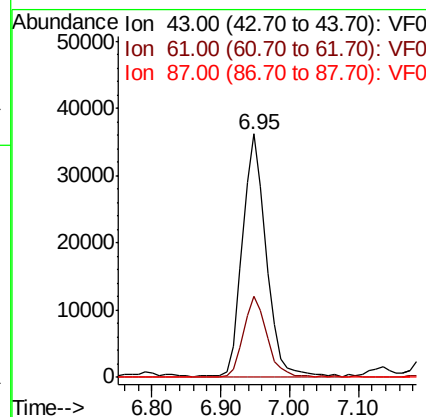
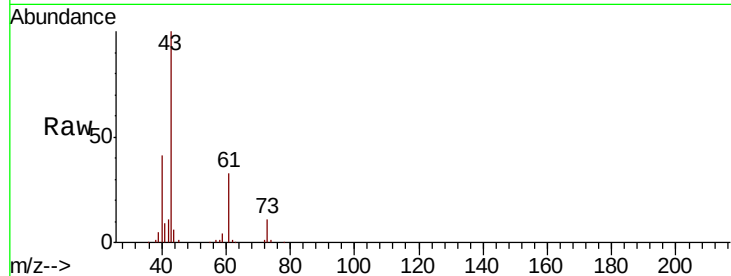
#43
Isopropyl Acetate
Concen: 49.887 ug/l
RT: 6.95 min Scan# 641
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.5	30.1	45.1
87	0.0	0.4	0.6

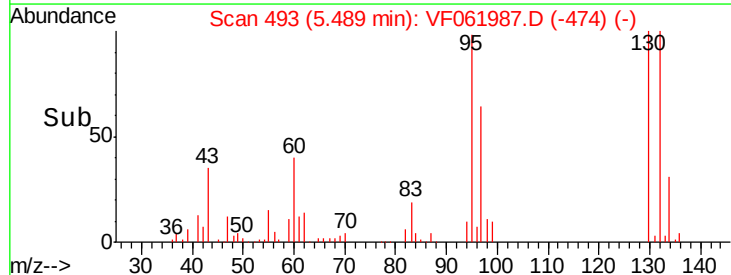
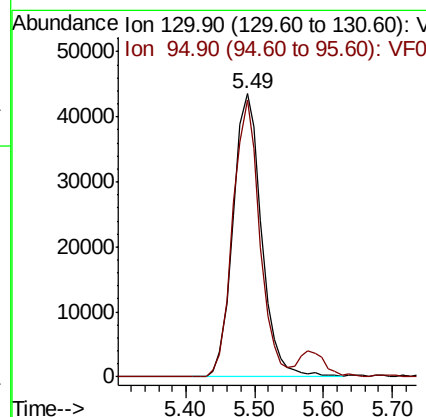
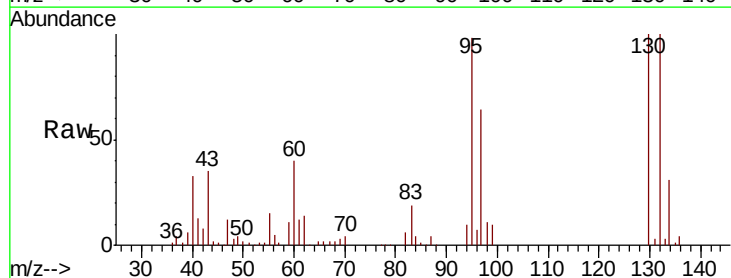
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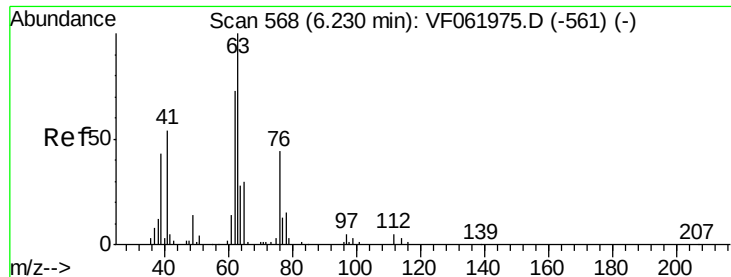
MMDadoda
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#44
Trichloroethene
Concen: 46.703 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	181.4





#45

1,2-Dichloropropane

Concen: 48.545 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 100528

Ion Ratio Lower Upper

63 100

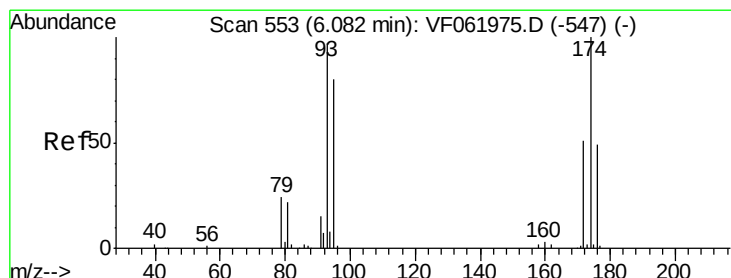
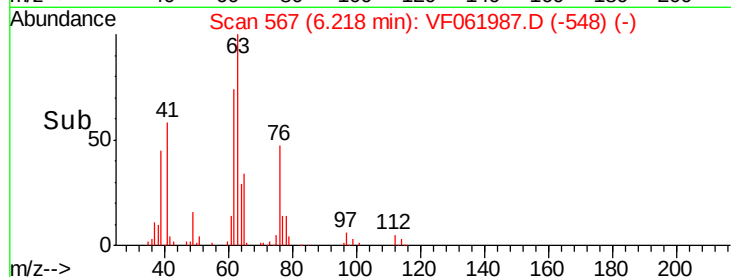
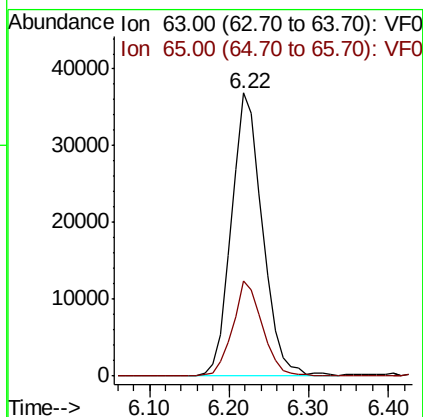
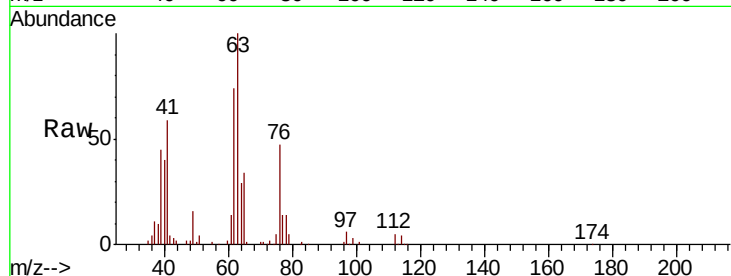
65 33.8 23.7 35.5

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#46

Dibromomethane

Concen: 53.067 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

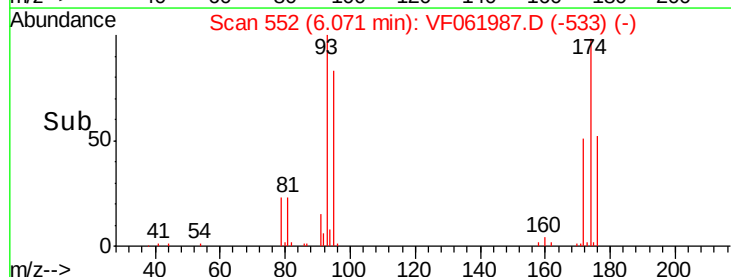
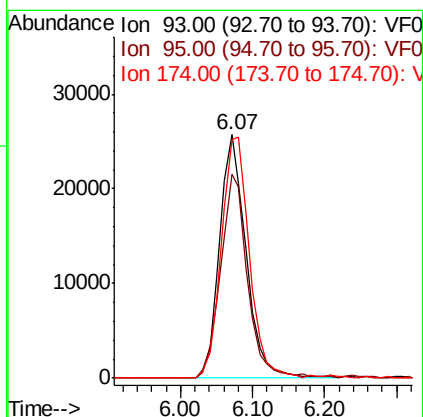
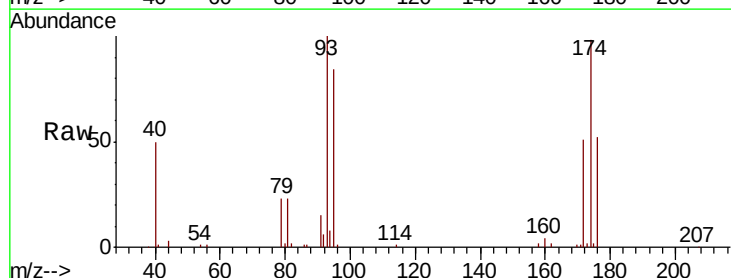
Tgt Ion: 93 Resp: 65373

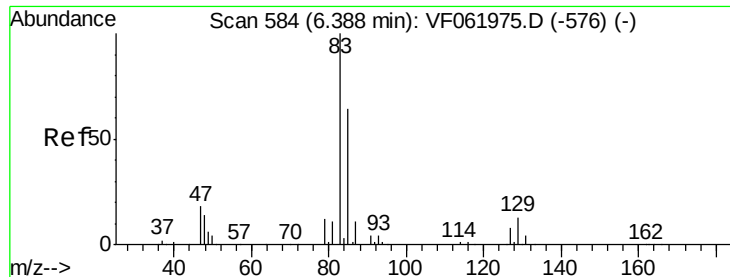
Ion Ratio Lower Upper

93 100

95 83.9 65.7 98.5

174 98.2 82.2 123.4





#47

Bromodichloromethane

Concen: 50.827 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

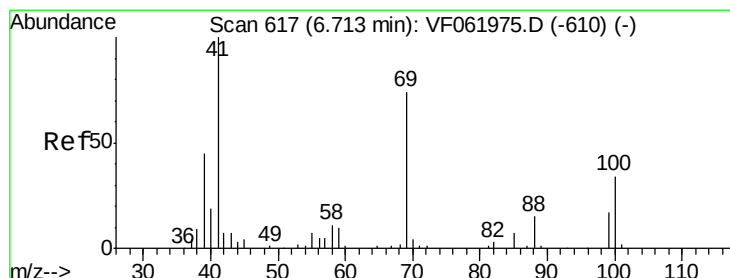
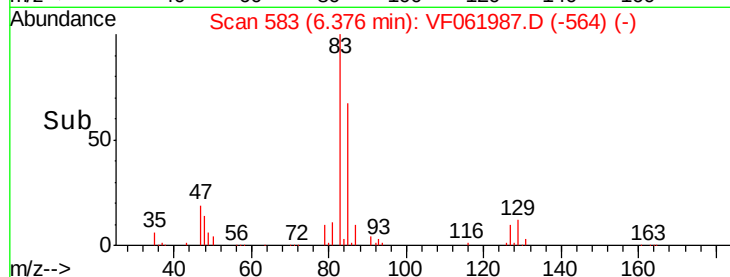
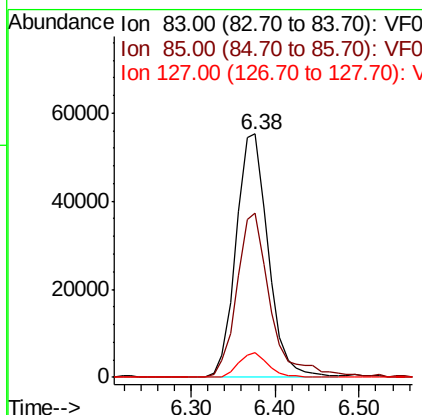
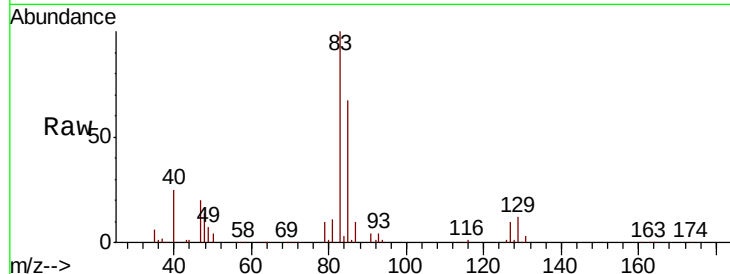
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	147616
Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.4	77.2
127	10.0	6.5	9.7#

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#48

Methyl methacrylate

Concen: 48.471 ug/l

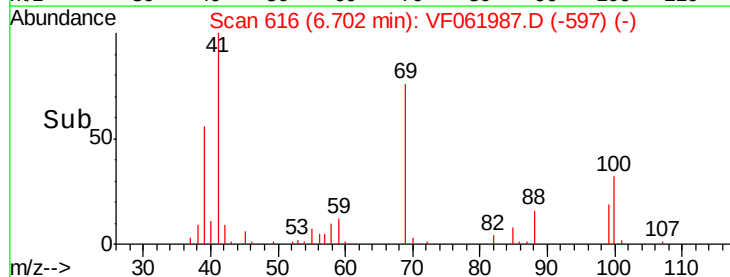
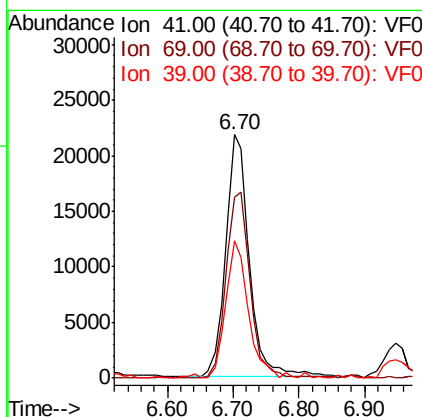
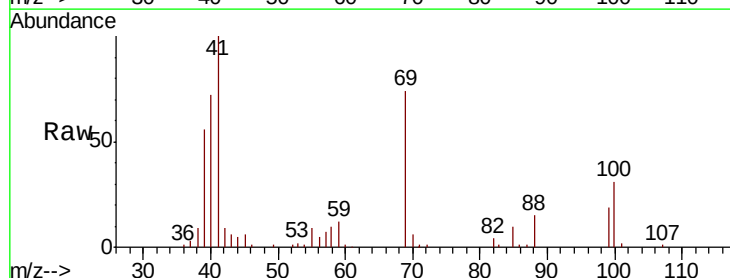
RT: 6.70 min Scan# 616

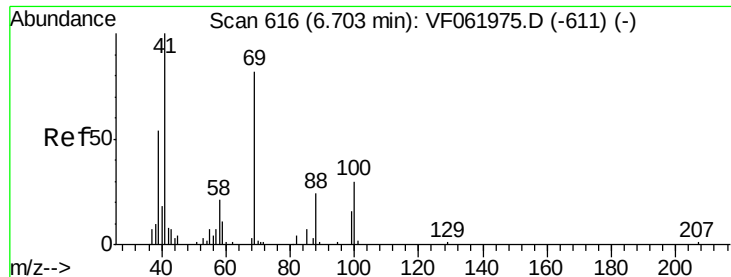
Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Tgt Ion:	41	Resp:	54958
Ion	Ratio	Lower	Upper
41	100		
69	74.4	59.0	88.6
39	56.3	35.6	53.4#





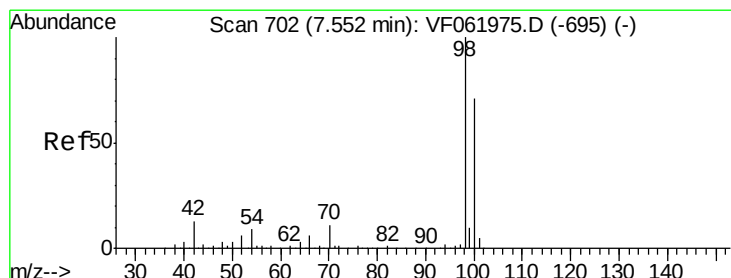
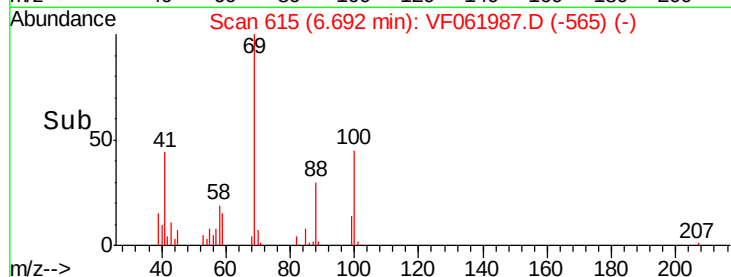
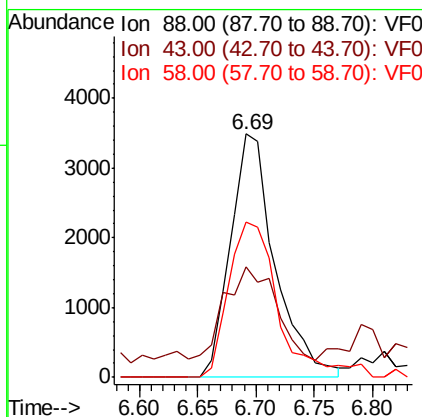
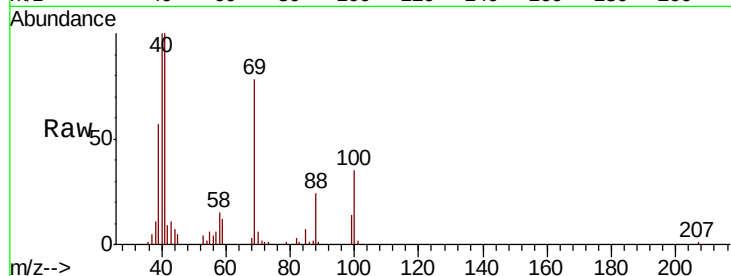
#49
1,4-Dioxane
Concen: 919.945 ug/l
RT: 6.69 min Scan# 615
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.3	31.2	46.8
58	63.6	69.9	104.9#

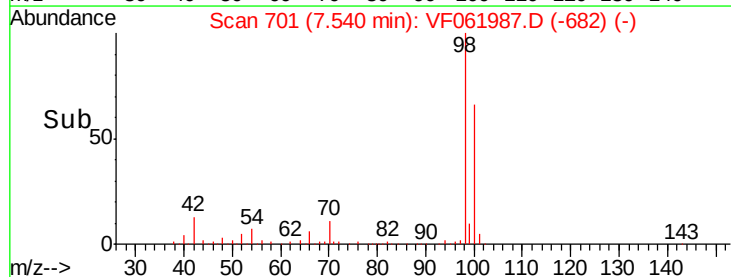
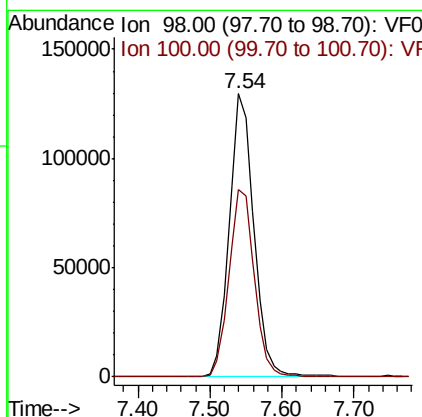
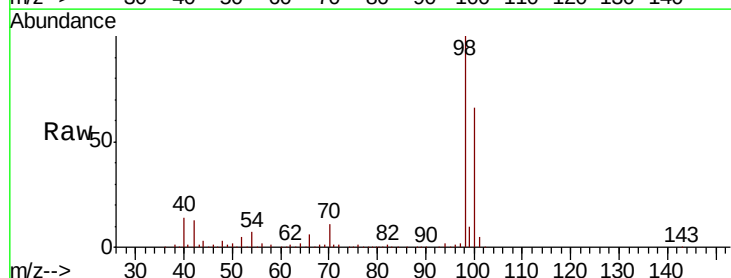
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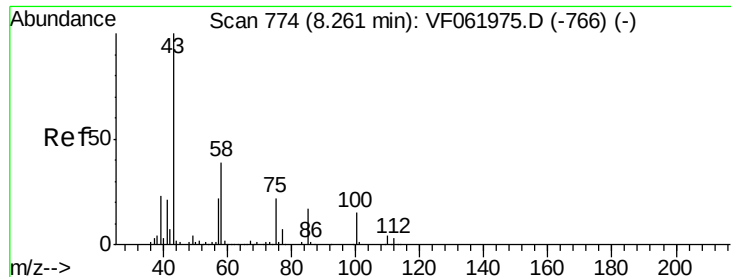
MMDadoda
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#50
Toluene-d8
Concen: 42.952 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	56.8	85.2





#51

4-Methyl-2-Pentanone

Concen: 243.335 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 303143

Ion Ratio Lower Upper

43 100

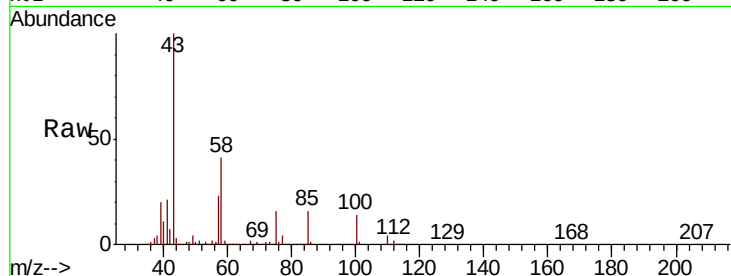
58 40.8 31.1 46.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

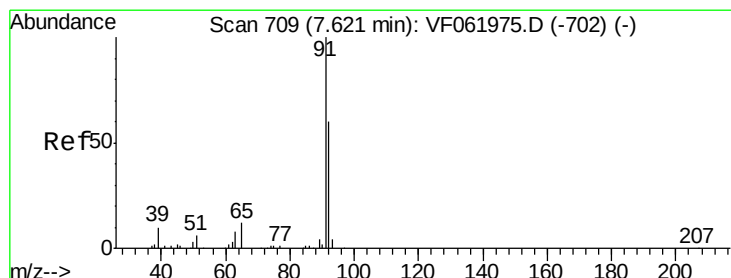
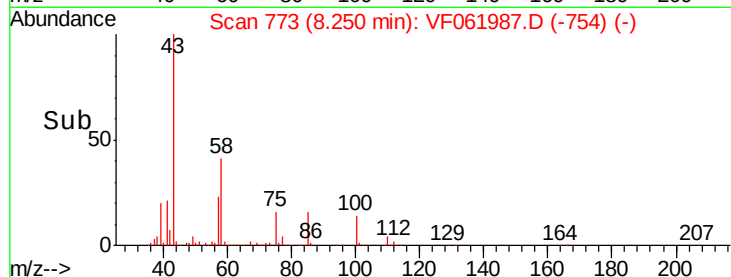
100000

50000

0

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 48.744 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061987.D

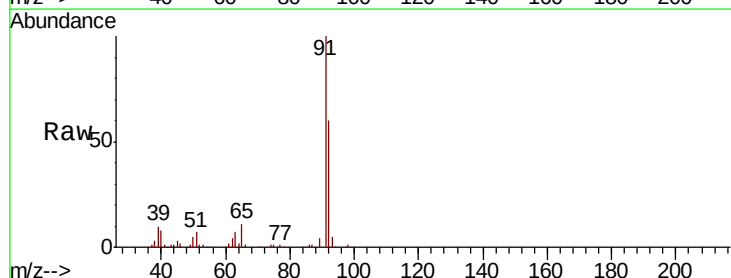
Acq: 16 Mar 2019 21:21

Tgt Ion: 92 Resp: 260605

Ion Ratio Lower Upper

92 100

91 166.2 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

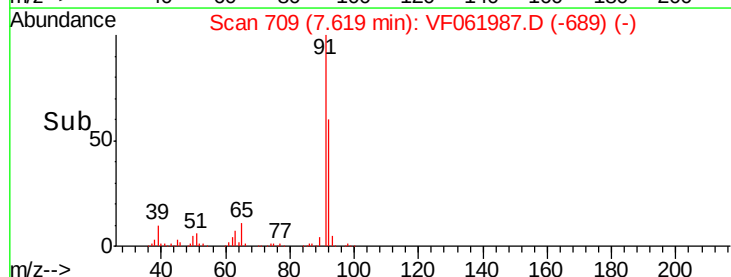
100000

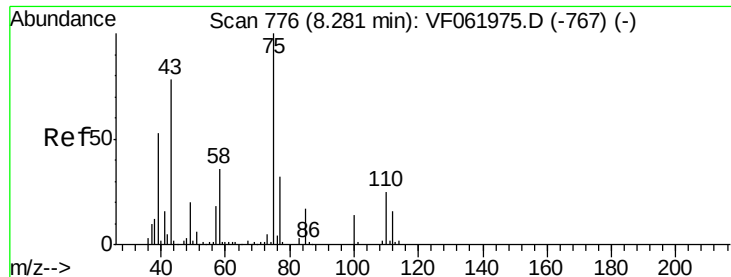
50000

0

7.50 7.60 7.70 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.309 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 123353

Ion Ratio Lower Upper

75 100

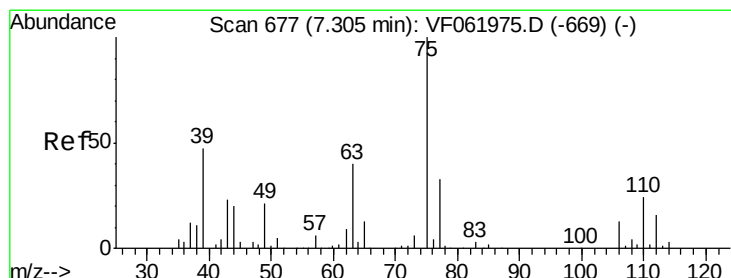
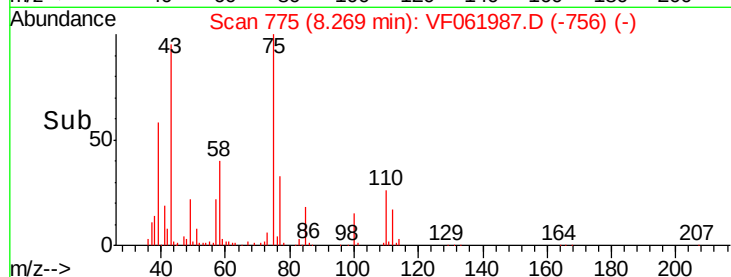
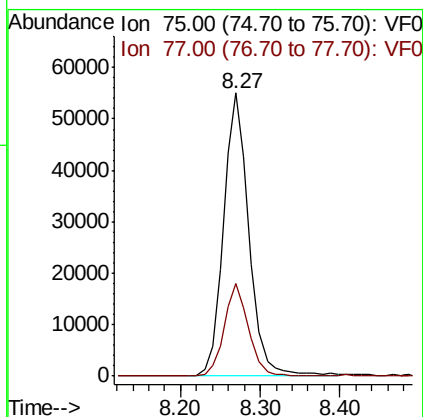
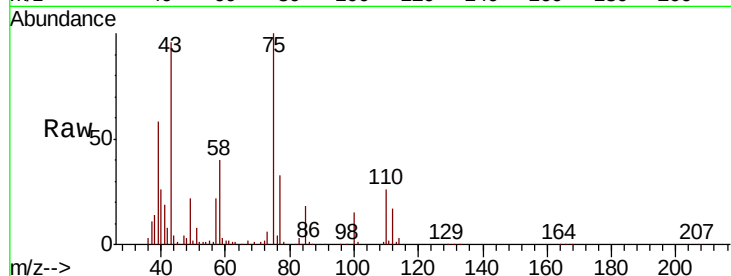
77 32.6 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 52.201 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

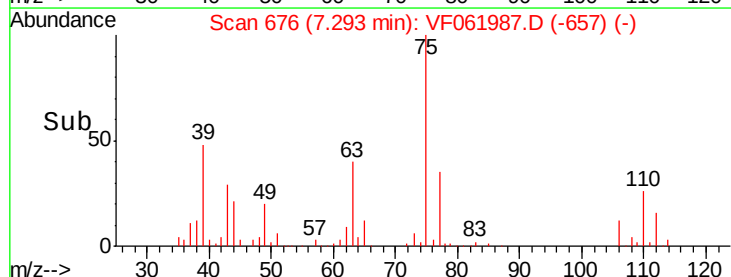
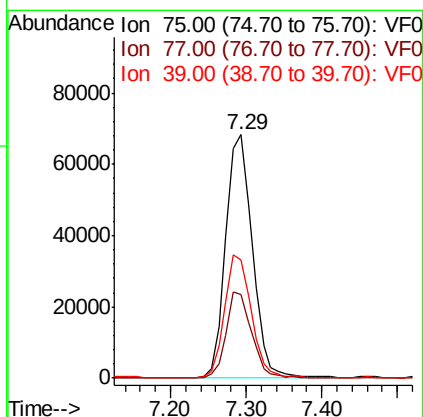
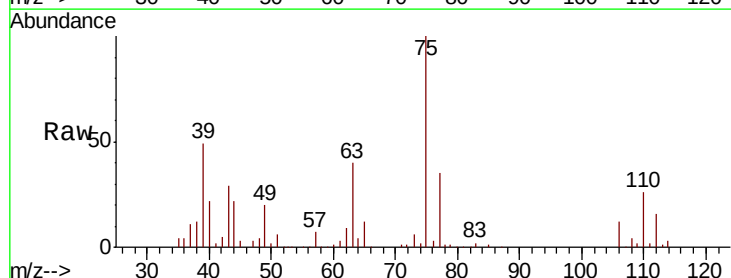
Tgt Ion: 75 Resp: 167007

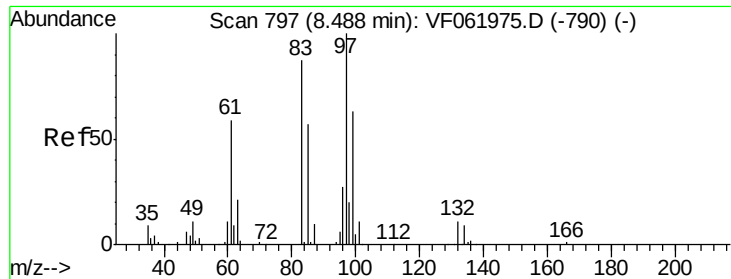
Ion Ratio Lower Upper

75 100

77 34.5 26.4 39.6

39 48.5 38.0 57.0





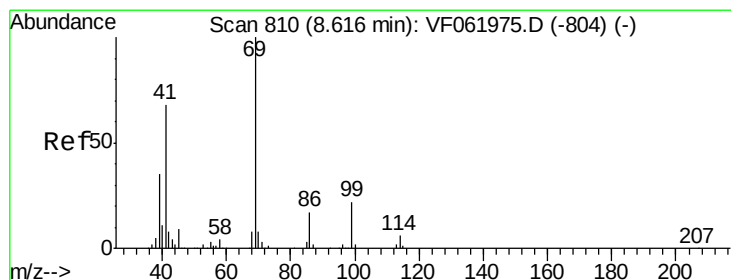
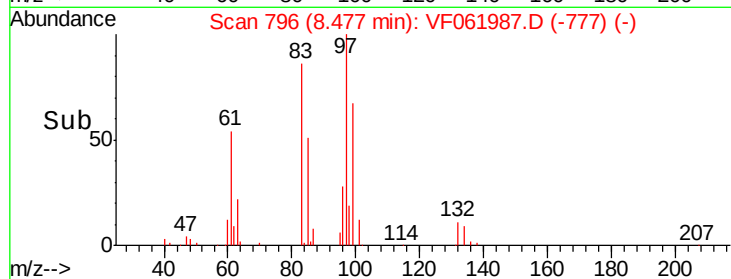
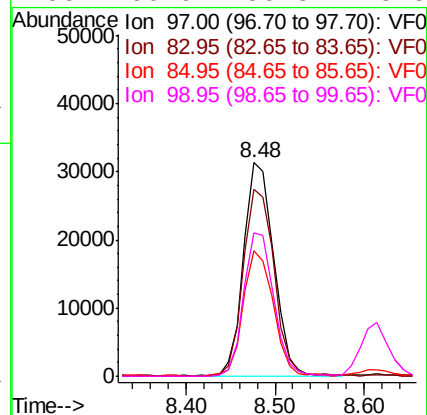
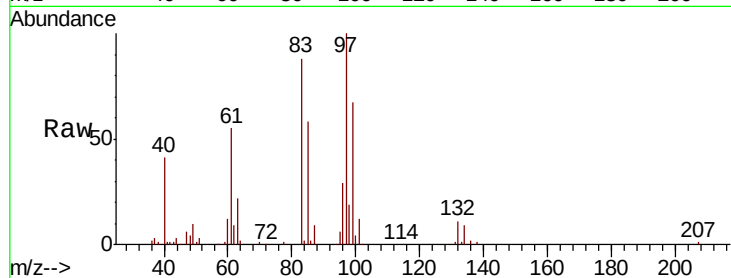
#55
 1,1,2-Trichloroethane
 Concen: 49.543 ug/l
 RT: 8.48 min Scan# 796
 Delta R.T. -0.01 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	73927
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.7	104.5
85	58.5	45.8	68.6
99	66.9	50.3	75.5

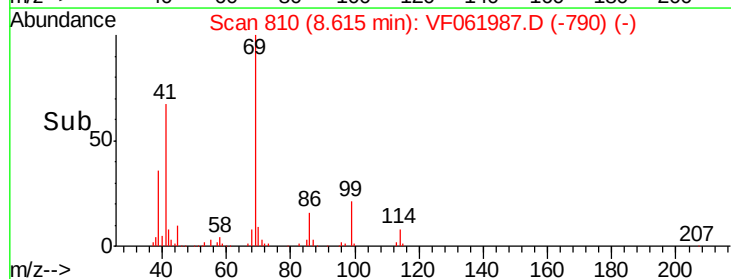
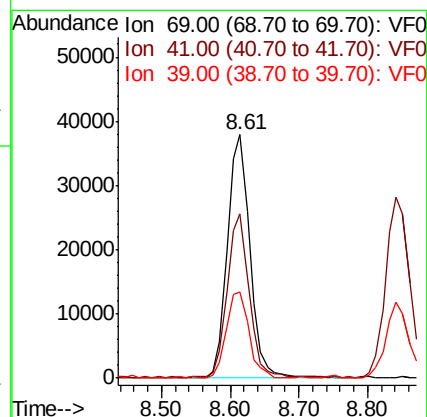
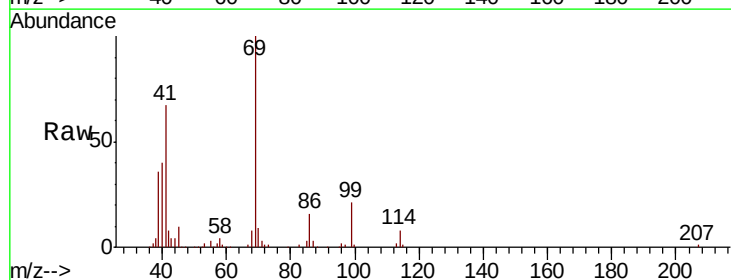
Manual Integrations
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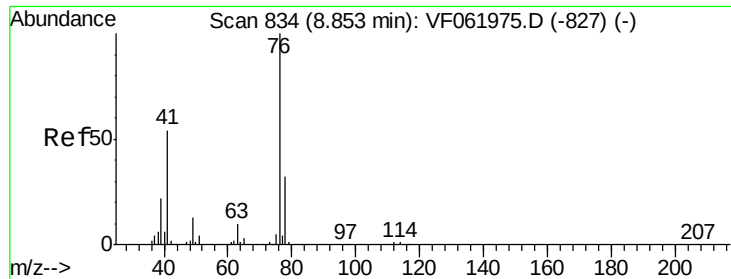
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#56
 Ethyl methacrylate
 Concen: 50.809 ug/l
 RT: 8.61 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Tgt Ion:	69	Resp:	86185
Ion	Ratio	Lower	Upper
69	100		
41	67.4	54.7	82.1
39	35.5	27.9	41.9





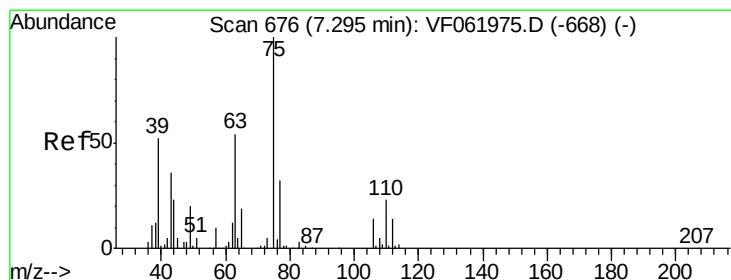
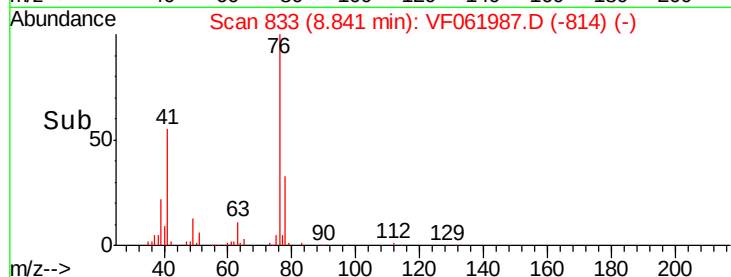
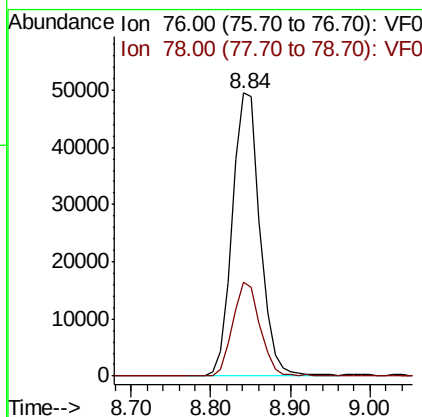
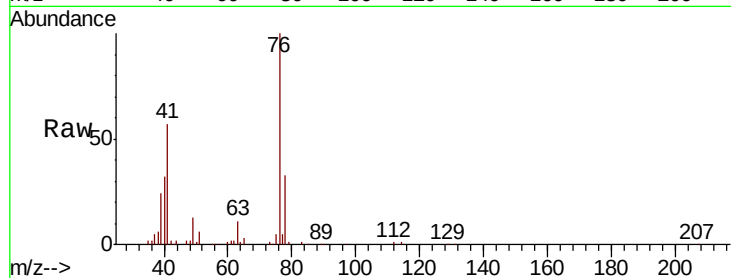
#57
 1,3-Dichloropropane
 Concen: 48.493 ug/l
 RT: 8.84 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 120706
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.4 38.2

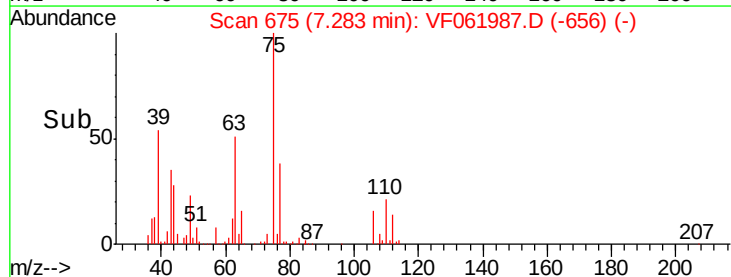
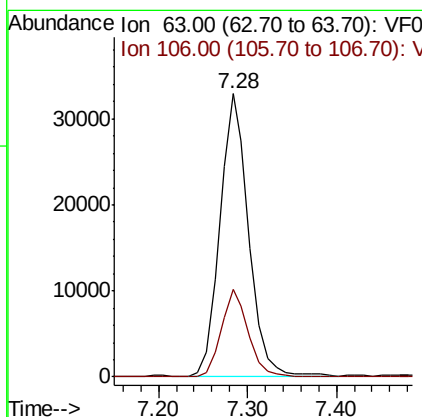
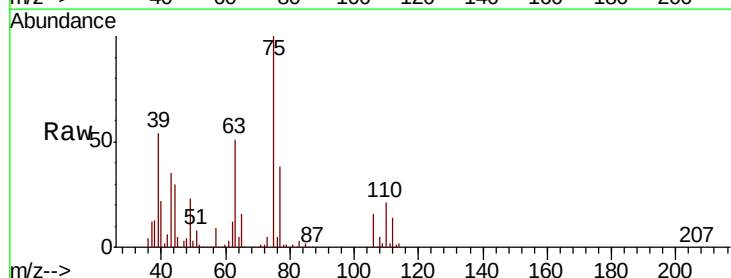
Manual Integrations
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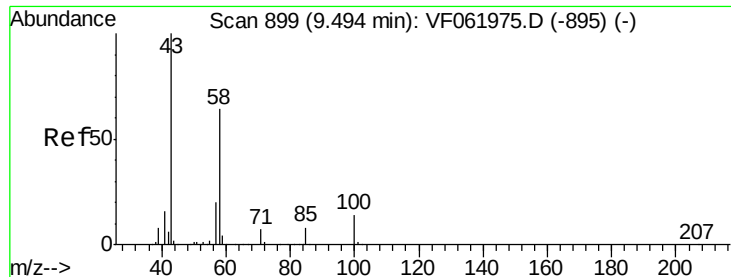
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#58
 2-Chloroethyl Vinyl ether
 Concen: 242.247 ug/l
 RT: 7.28 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Tgt Ion: 63 Resp: 74428
 Ion Ratio Lower Upper
 63 100
 106 31.0 20.9 31.3





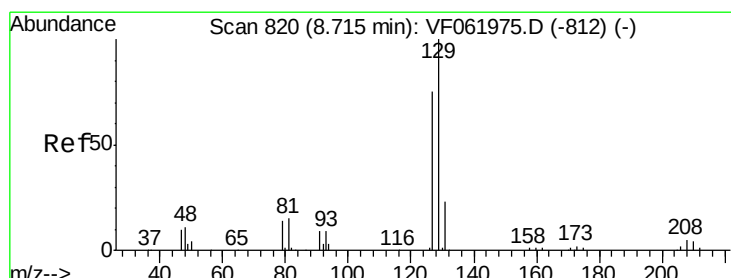
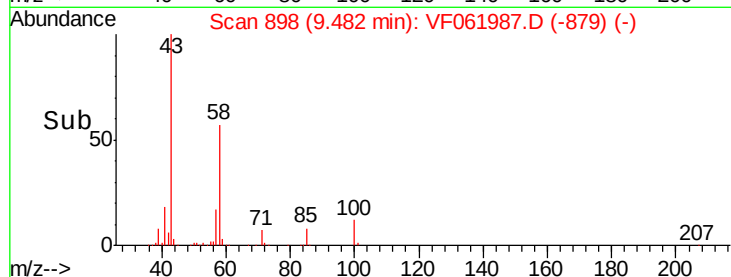
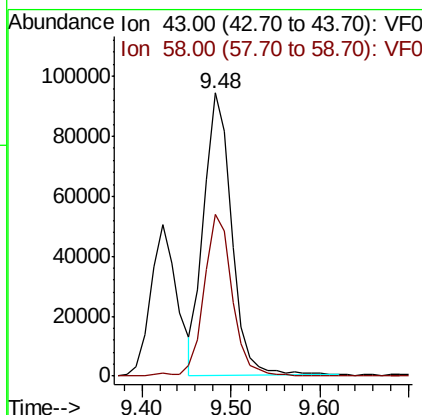
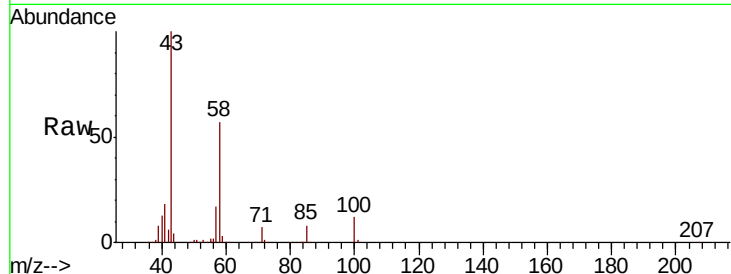
#59
2-Hexanone
Concen: 224.078 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 202025
Ion Ratio Lower Upper
43 100
58 56.9 28.4 85.2

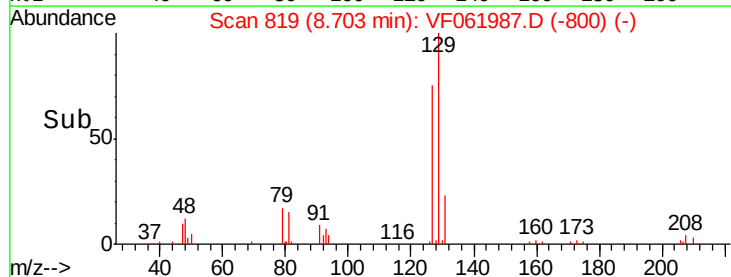
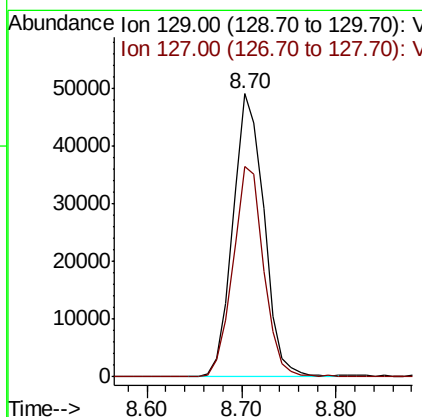
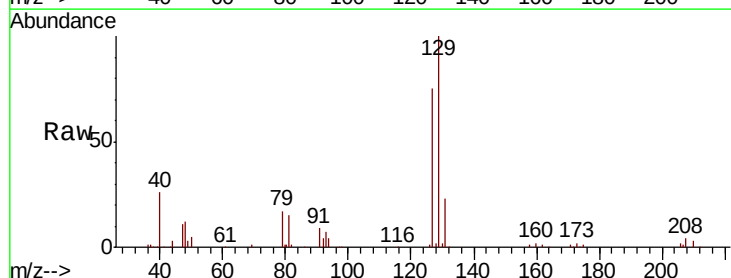
Manual Integrations
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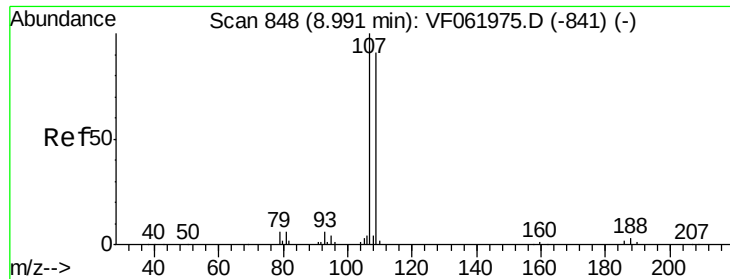
MMDadoda
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#60
Dibromochloromethane
Concen: 53.905 ug/l
RT: 8.70 min Scan# 819
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion: 129 Resp: 111667
Ion Ratio Lower Upper
129 100
127 74.5 37.3 111.8





#61

1,2-Dibromoethane

Concen: 51.864 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 83014

Ion Ratio Lower Upper

107 100

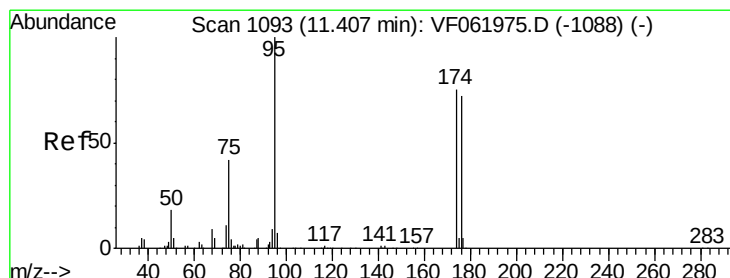
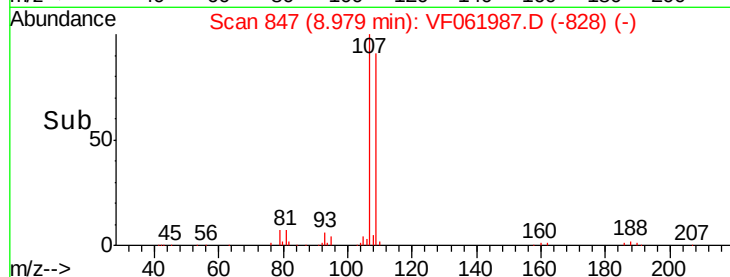
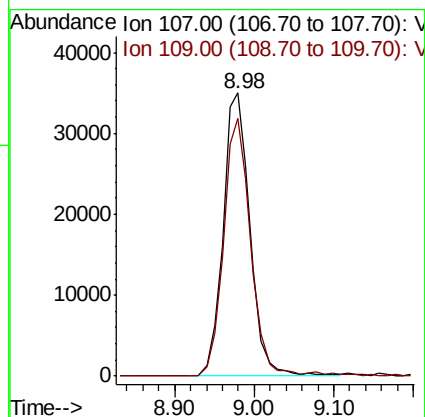
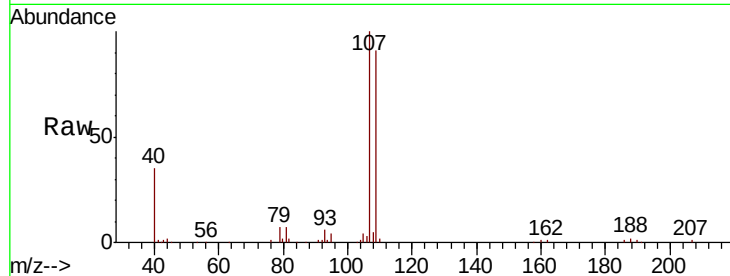
109 91.2 72.8 109.2

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#62

4-Bromofluorobenzene

Concen: 41.418 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

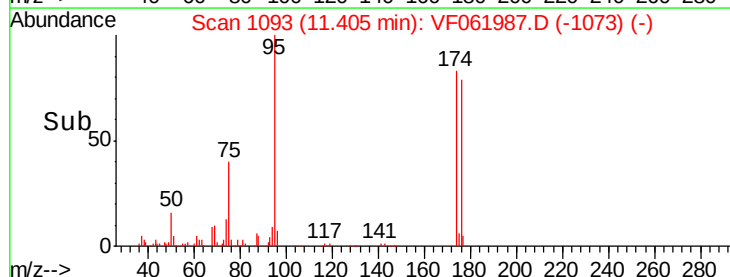
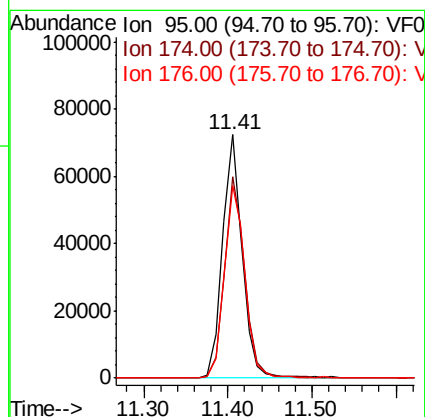
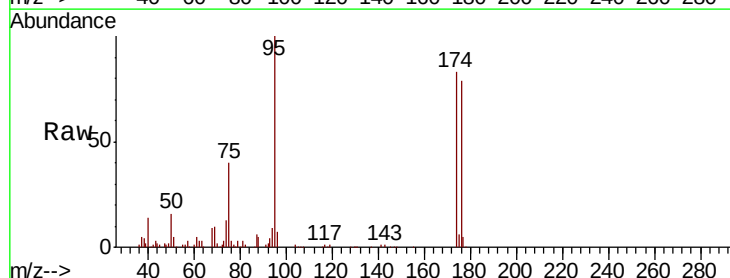
Tgt Ion: 95 Resp: 118114

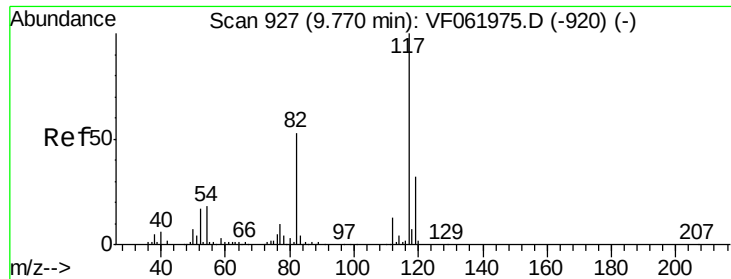
Ion Ratio Lower Upper

95 100

174 82.7 0.0 149.4

176 78.9 0.0 143.4





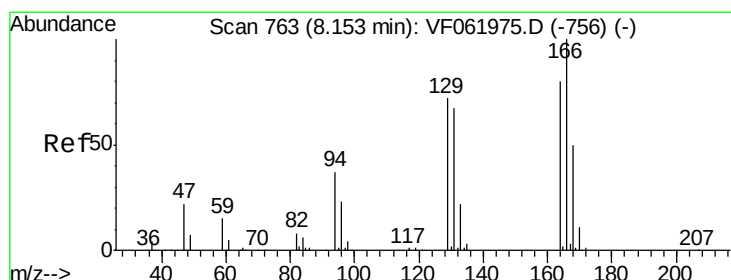
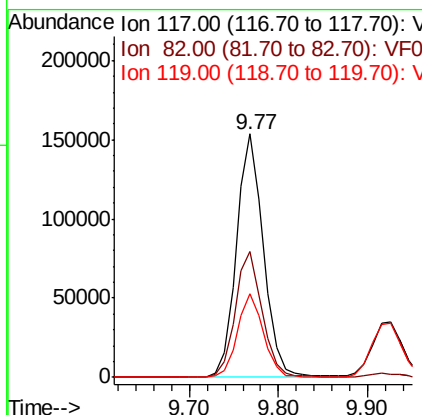
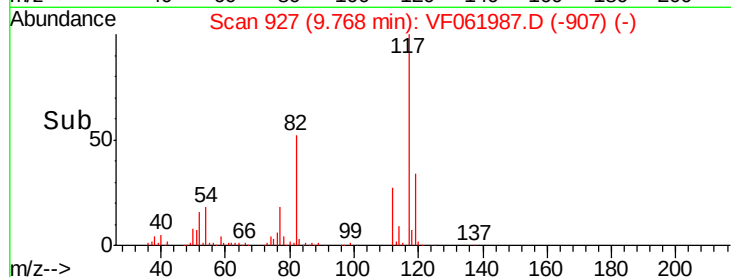
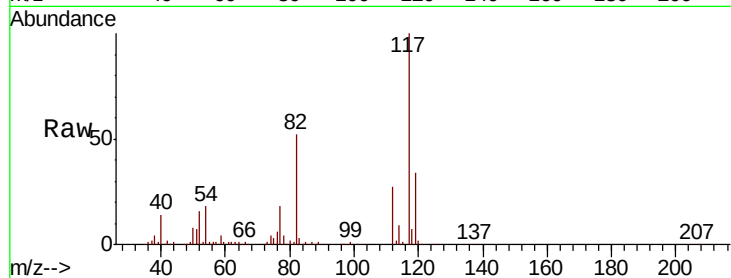
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.5	63.7
119	34.3	25.4	38.0

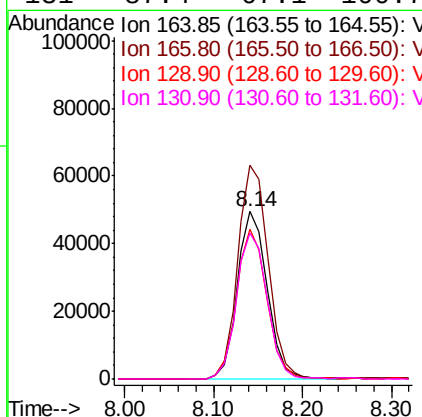
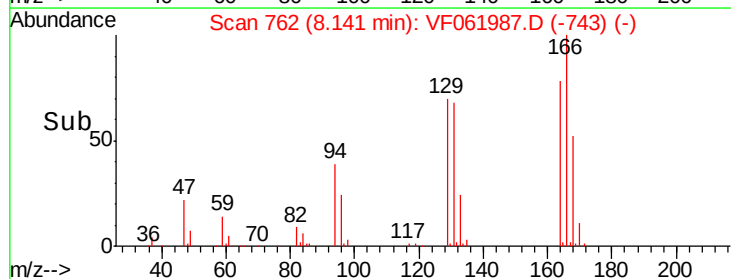
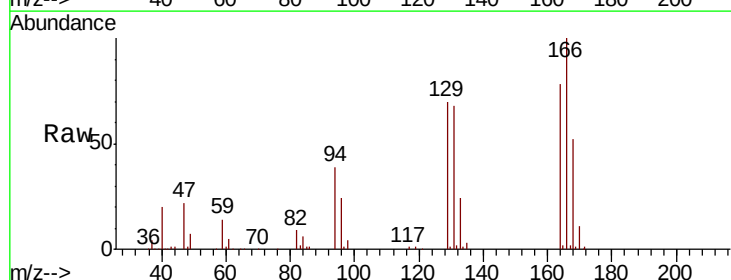
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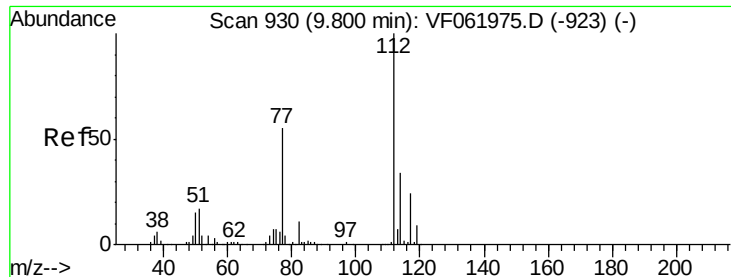
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#64
Tetrachloroethene
Concen: 48.905 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	100.0	150.0
129	89.3	72.4	108.6
131	87.4	67.1	100.7





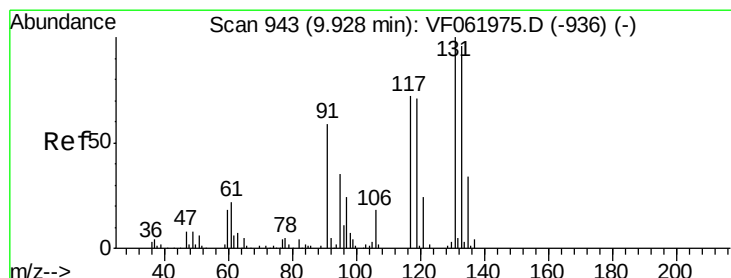
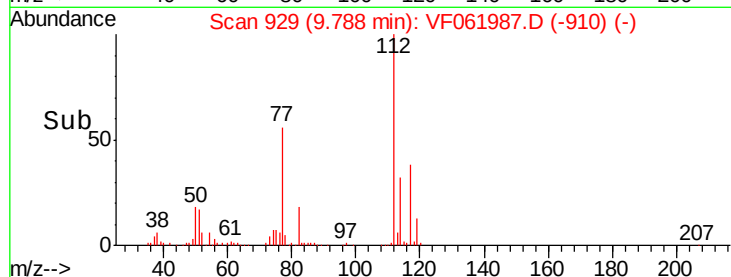
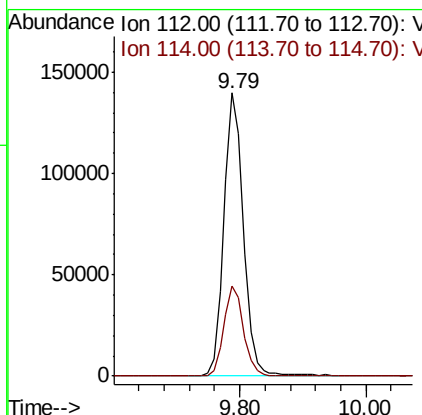
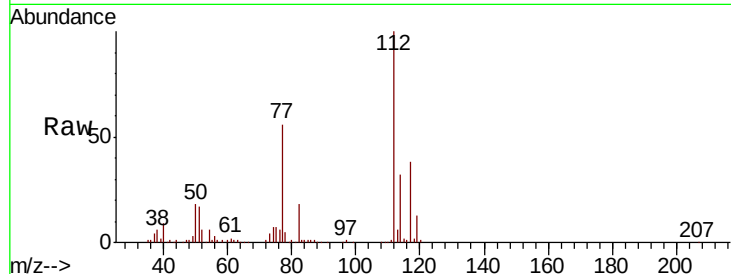
#65
Chlorobenzene
Concen: 49.921 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	301391		
114	32.0	26.9	40.3	

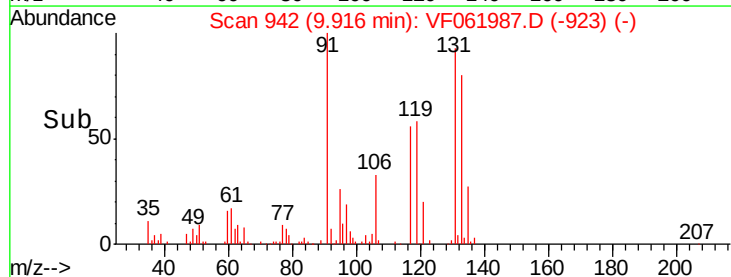
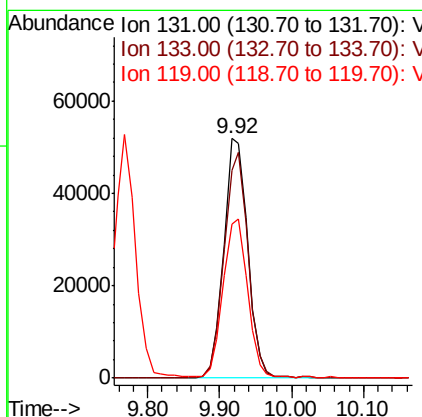
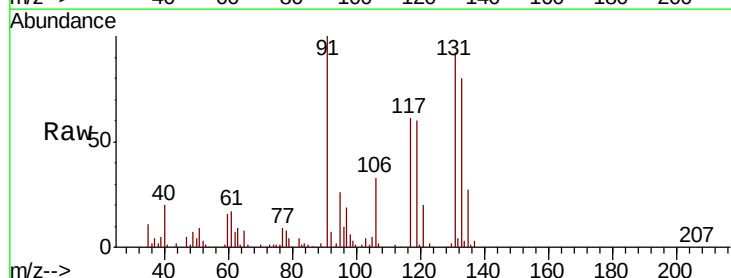
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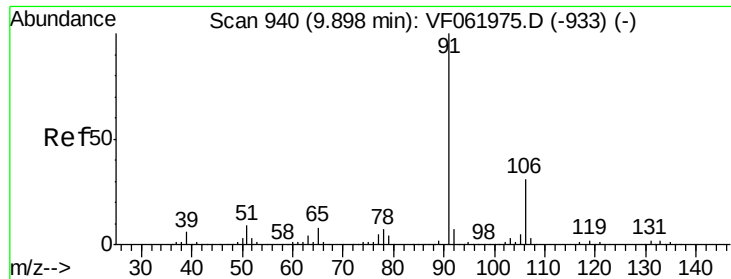
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.378 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	120237		
133	86.6	48.0	144.2	
119	64.4	35.9	107.7	





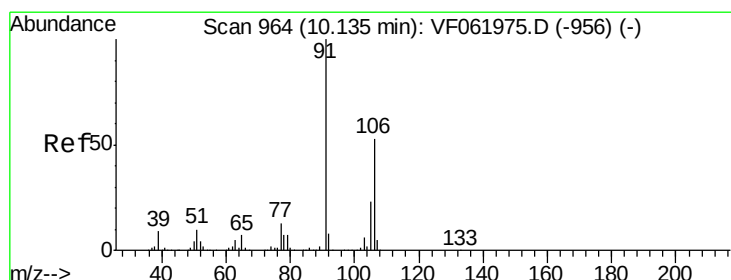
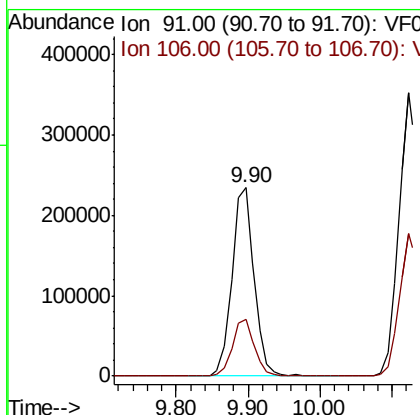
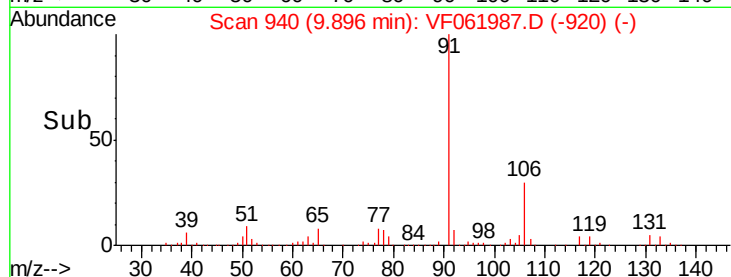
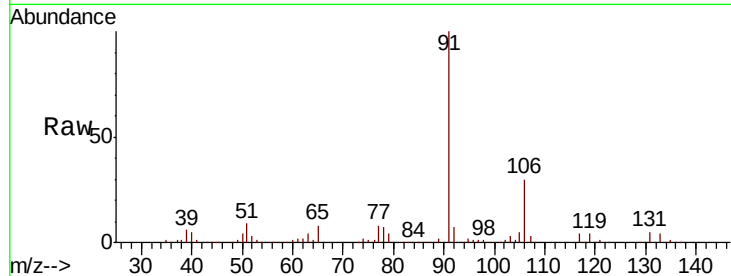
#67
Ethyl Benzene
Concen: 48.730 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.00 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 503745
Ion Ratio Lower Upper
91 100
106 30.1 24.4 36.6

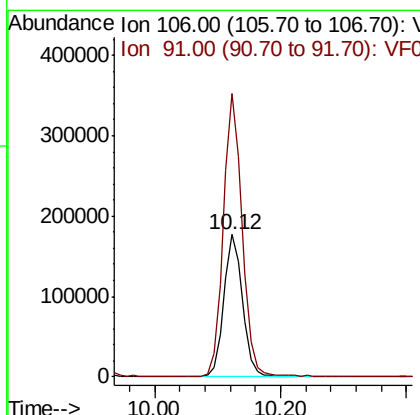
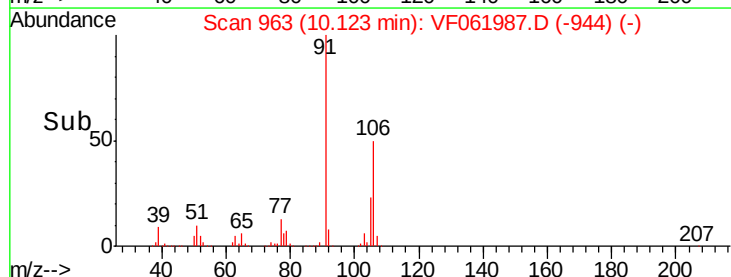
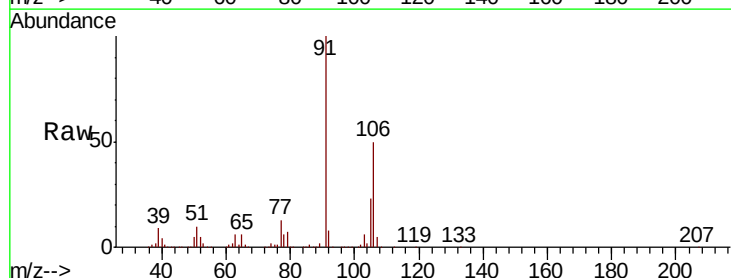
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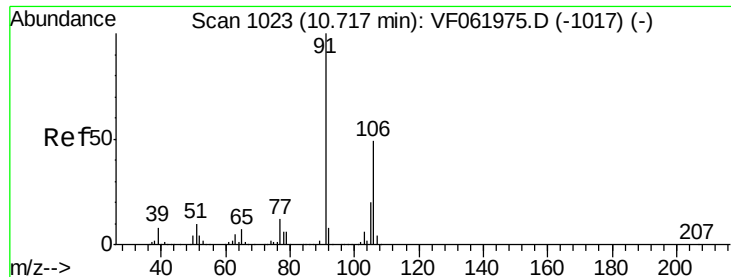
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#68
m/p-Xylenes
Concen: 94.448 ug/l
RT: 10.12 min Scan# 963
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion: 106 Resp: 367211
Ion Ratio Lower Upper
106 100
91 199.2 151.9 227.9





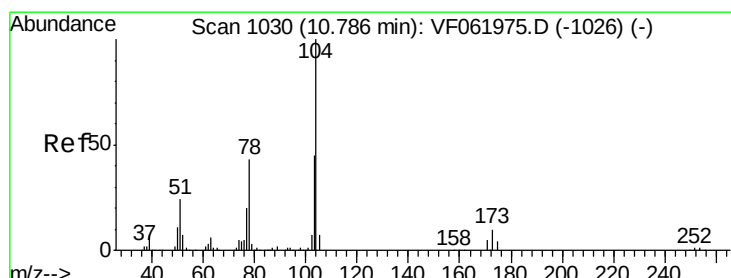
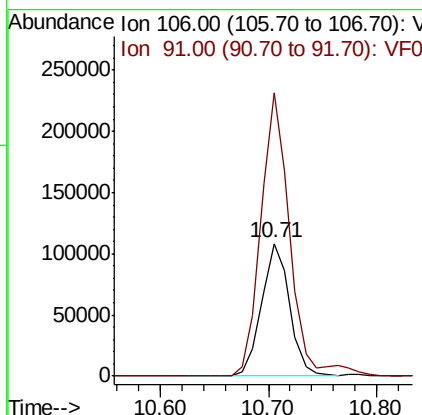
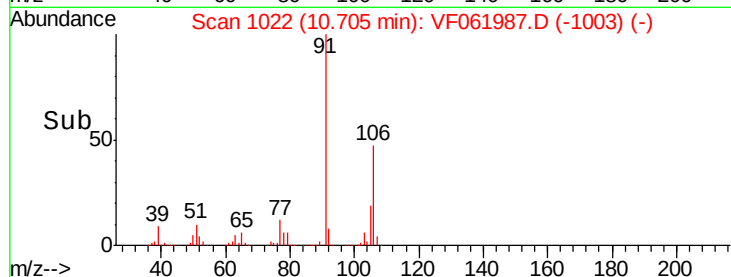
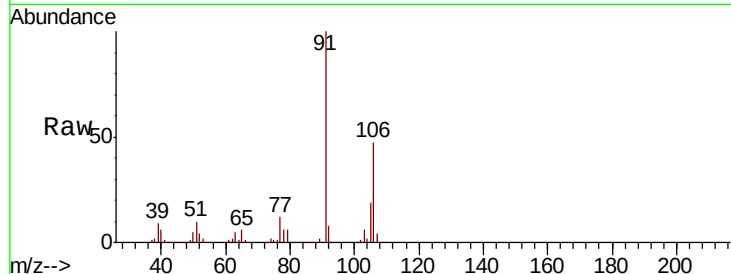
#69
o-Xylene
Concen: 47.730 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	198570		
91	91	213.8	102.3	306.8	

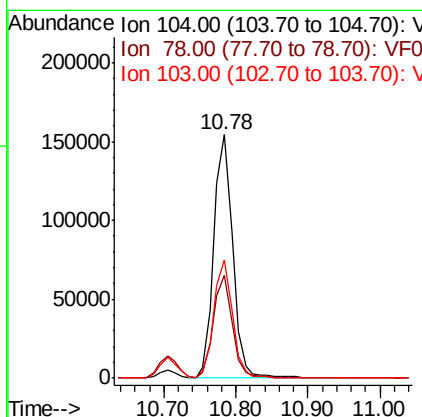
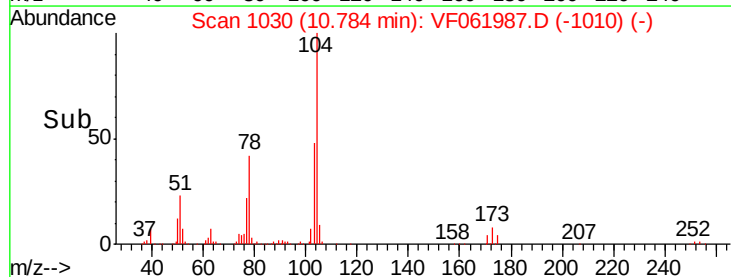
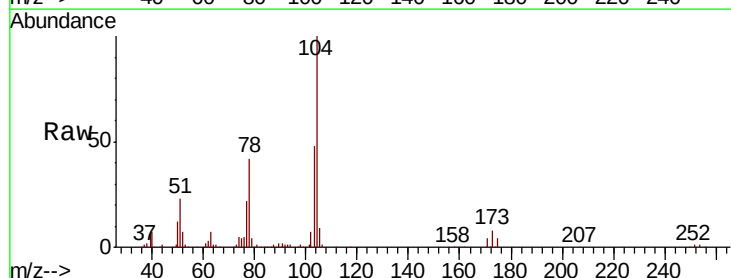
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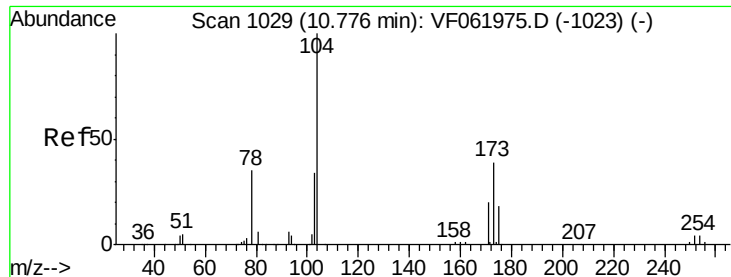
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#70
Styrene
Concen: 48.020 ug/l
RT: 10.78 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	276769		
78	78	42.0	34.7	52.1	
103	103	48.3	36.6	54.8	





#71

Bromoform

Concen: 51.705 ug/l

RT: 10.76 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

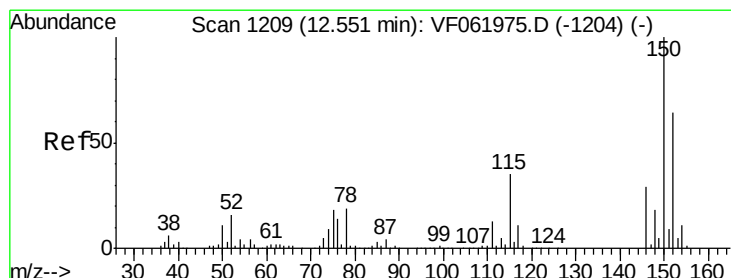
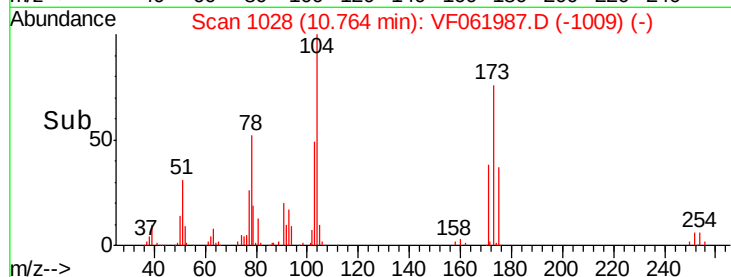
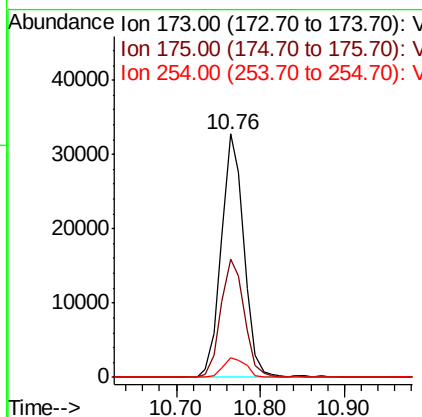
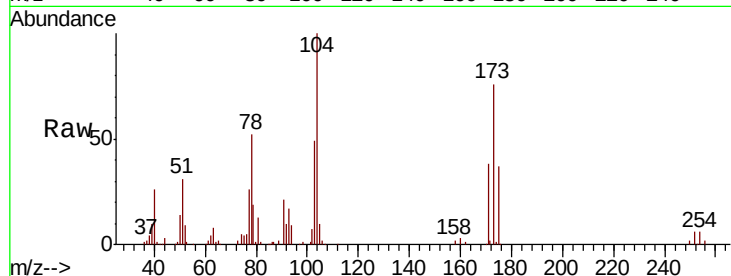
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	61204
Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.7	71.1
254	7.9	7.8	11.8

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

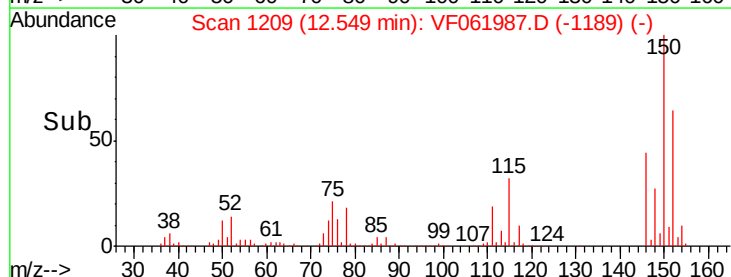
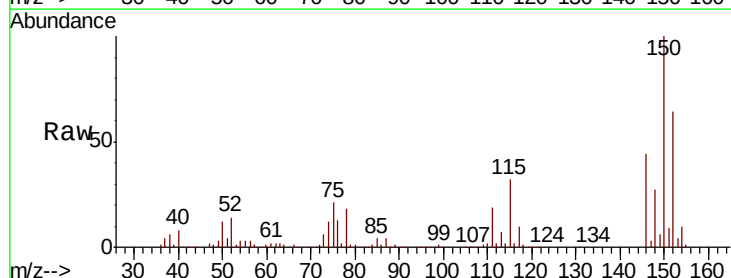
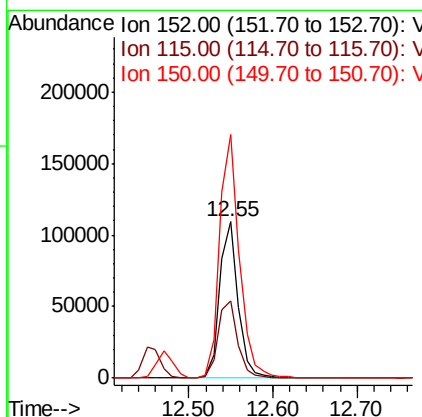
RT: 12.55 min Scan# 1209

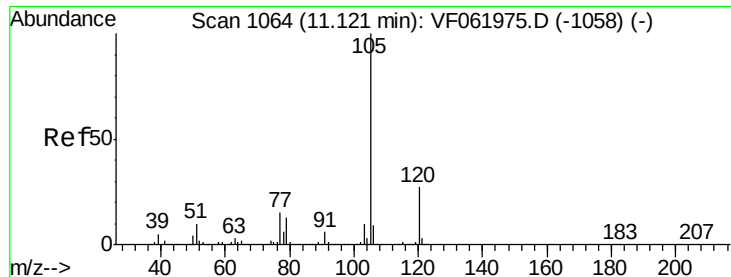
Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Tgt Ion:	152	Resp:	166182
Ion	Ratio	Lower	Upper
152	100		
115	49.5	27.3	81.9
150	155.9	0.0	316.2





#73

Isopropylbenzene

Concen: 48.882 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 561204

Ion Ratio Lower Upper

105 100

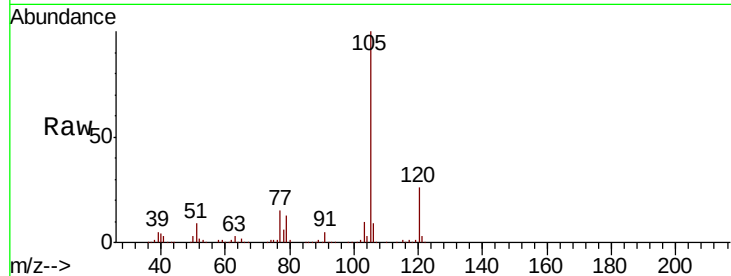
120 26.1 13.8 41.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.12

300000

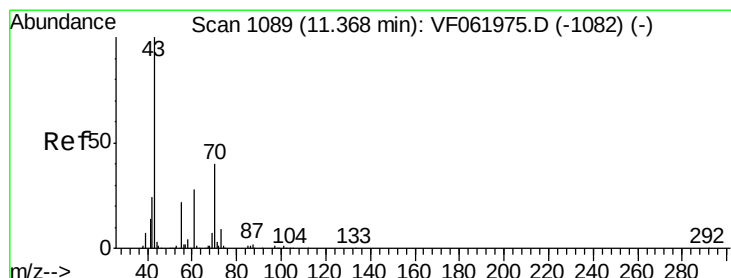
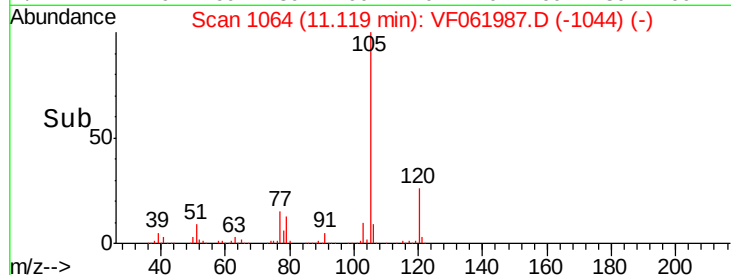
200000

100000

0

Time-->

11.00 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 49.784 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Tgt Ion: 43 Resp: 130965

Ion Ratio Lower Upper

43 100

70 39.2 31.9 47.9

55 21.5 17.9 26.9

61 28.5 22.2 33.2

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.37

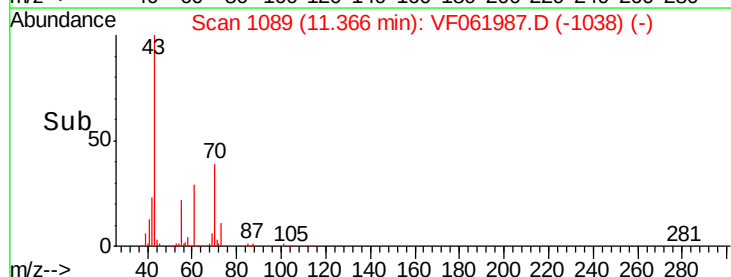
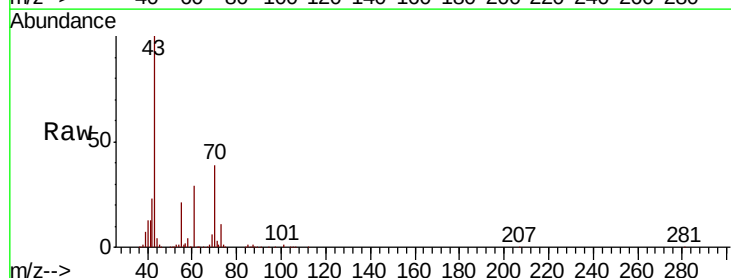
100000

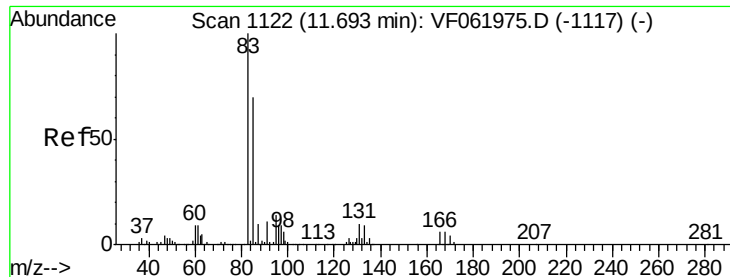
50000

0

Time-->

11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 51.511 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

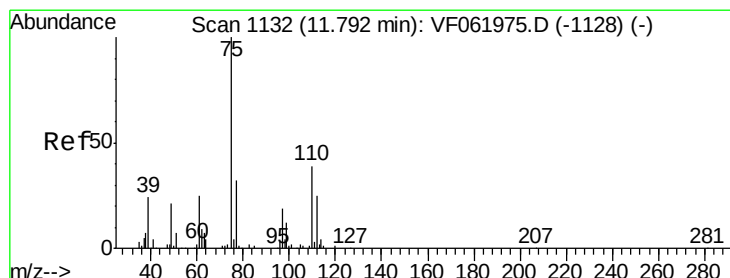
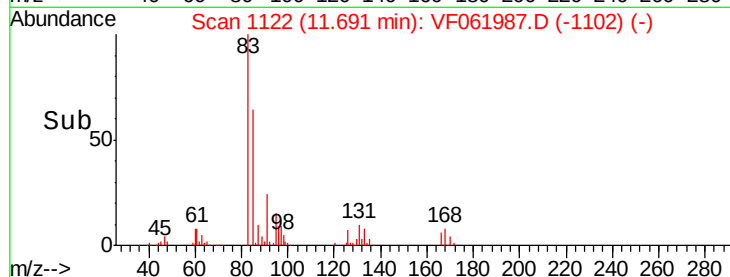
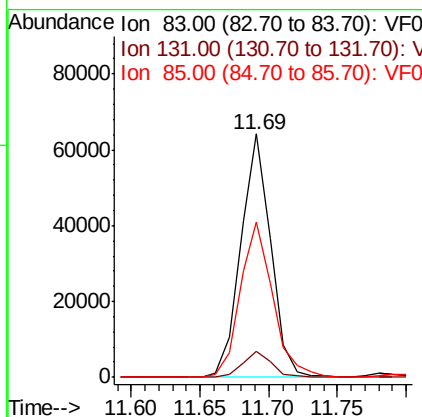
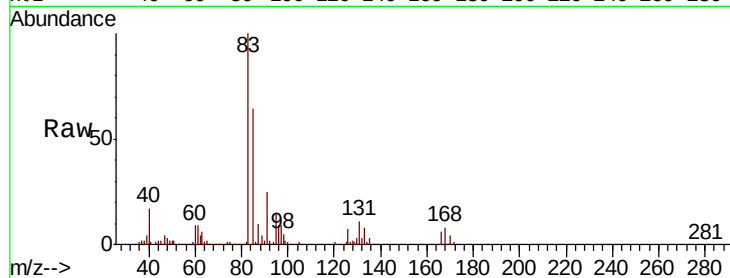
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	97616
Ion Ratio	Lower	Upper	
83	100		
131	10.6	4.9	14.7
85	63.8	35.3	105.9

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#76

1,2,3-Trichloropropane

Concen: 47.666 ug/l

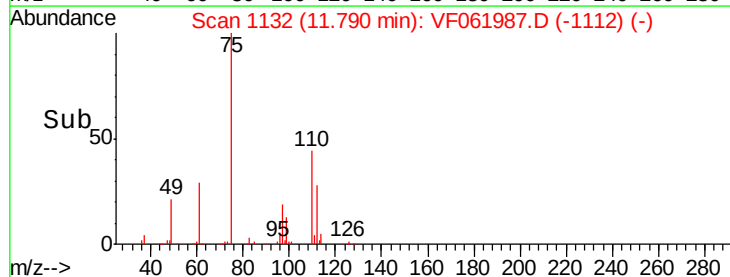
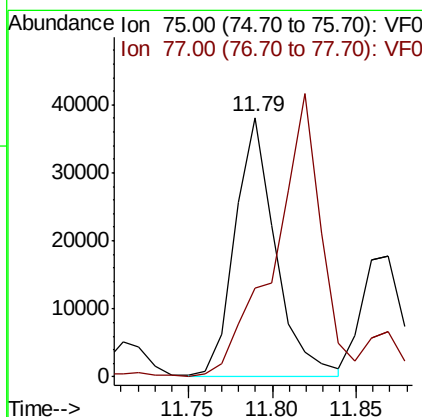
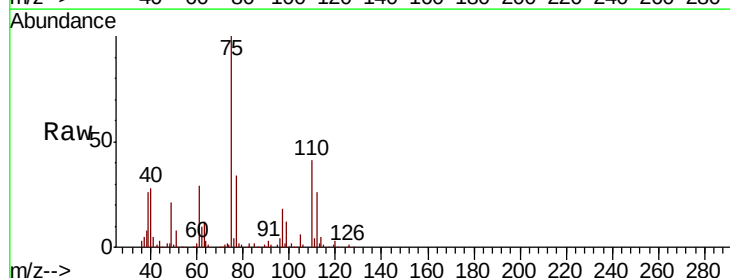
RT: 11.79 min Scan# 1132

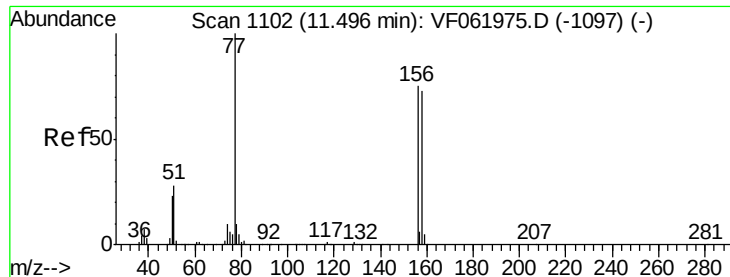
Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Tgt Ion:	75	Resp:	63163
Ion Ratio	Lower	Upper	
75	100		
77	34.0	16.4	49.2





#77

Bromobenzene

Concen: 50.740 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

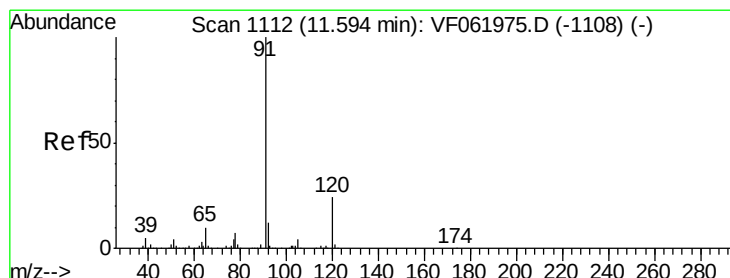
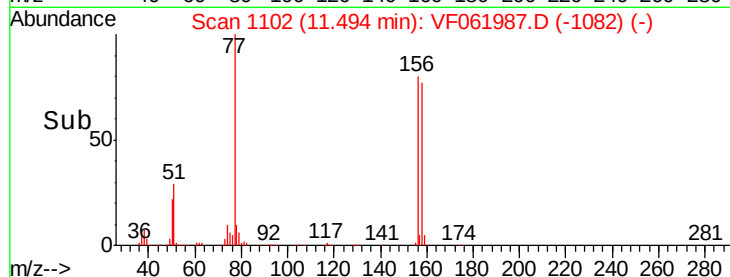
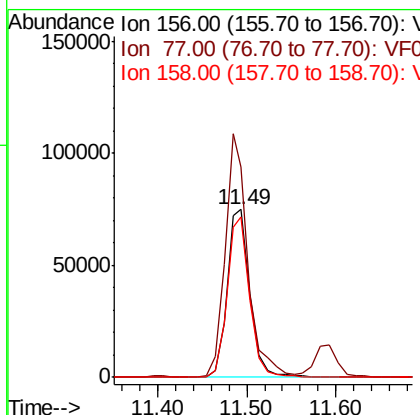
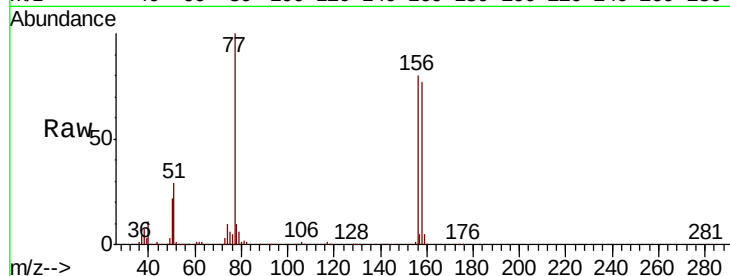
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	134905
Ion Ratio	Lower	Upper	
156	100		
77	125.2	67.0	201.0
158	96.1	48.9	146.7

Manual Integrations
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#78

n-propylbenzene

Concen: 49.155 ug/l

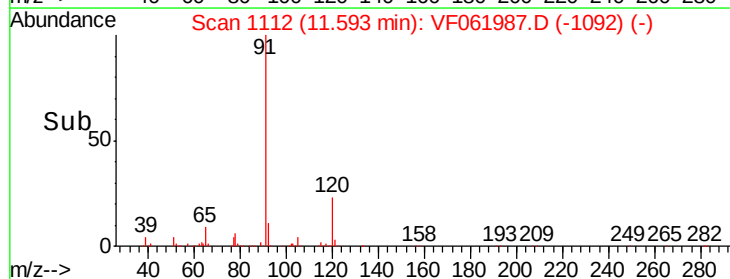
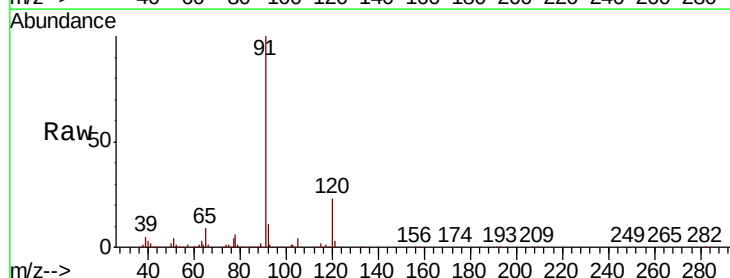
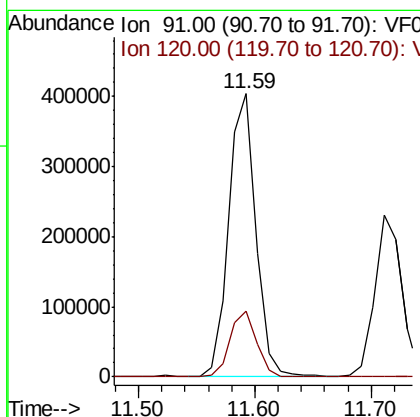
RT: 11.59 min Scan# 1112

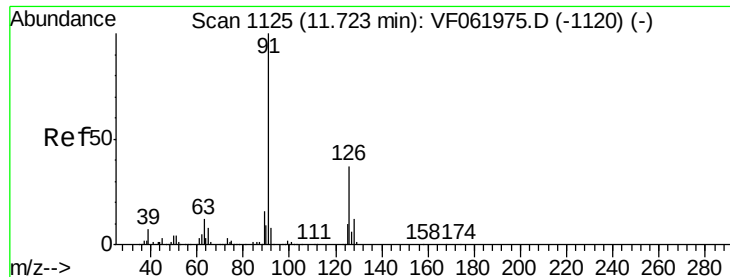
Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Tgt Ion:	91	Resp:	648905
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.8	35.3





#79

2-Chlorotoluene

Concen: 49.435 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 368369

Ion Ratio Lower Upper

91 100

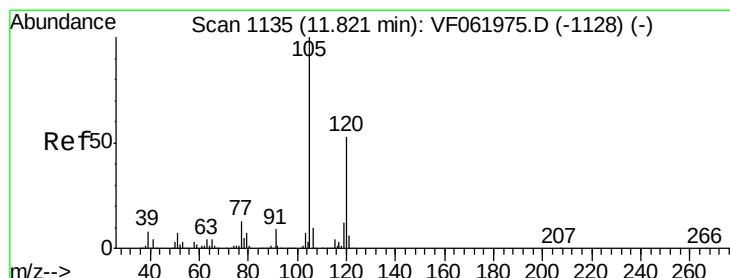
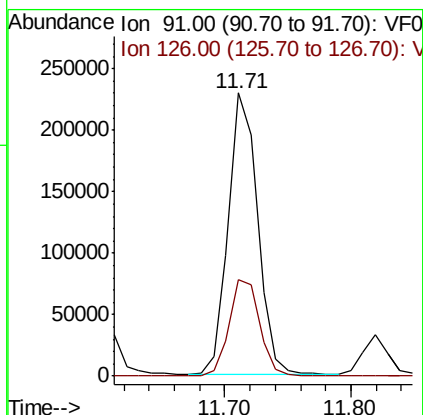
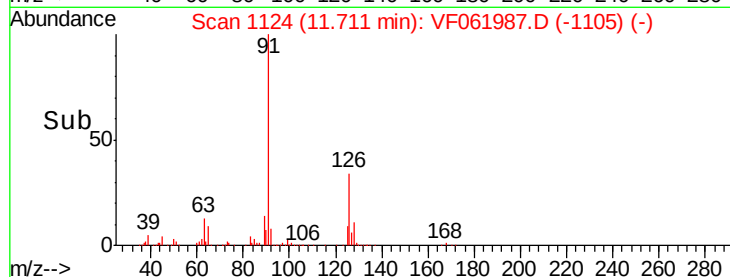
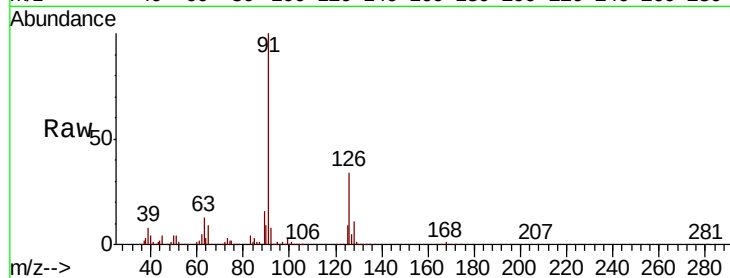
126 34.0 18.4 55.2

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#80

1,3,5-Trimethylbenzene

Concen: 50.228 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF061987.D

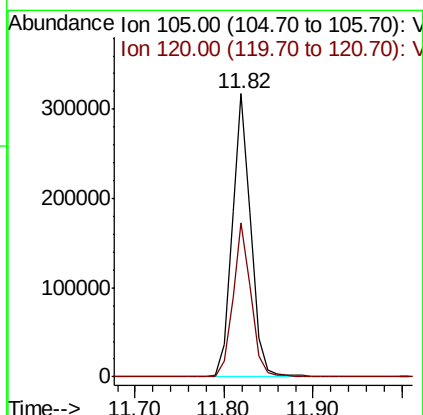
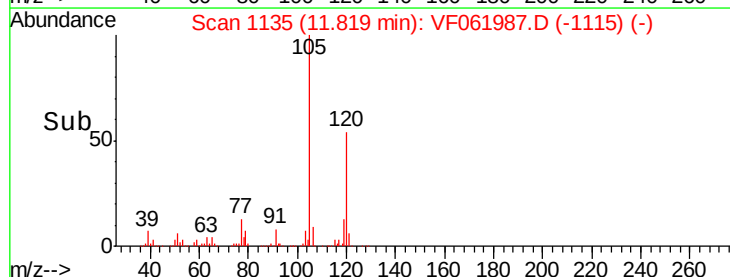
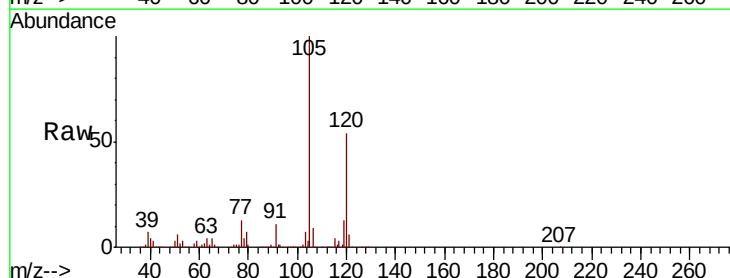
Acq: 16 Mar 2019 21:21

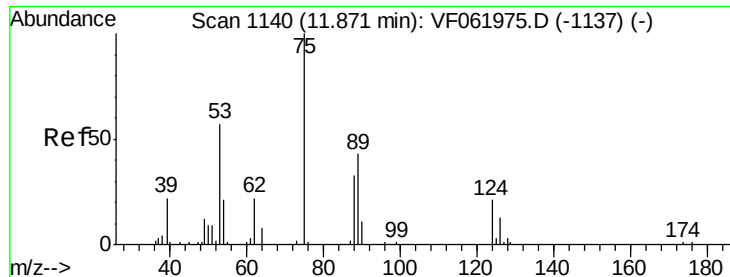
Tgt Ion: 105 Resp: 465820

Ion Ratio Lower Upper

105 100

120 54.2 26.6 79.7





#81

trans-1,4-Dichloro-2-butene

Concen: 48.952 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Instrument :

MSVOA_F

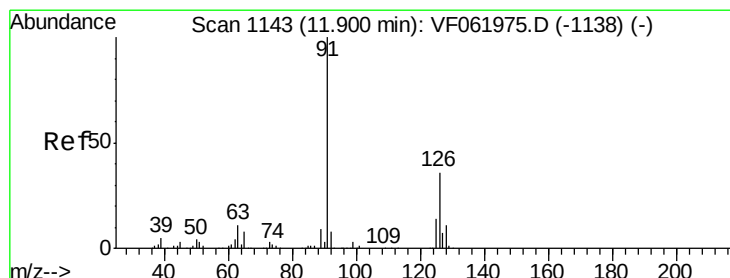
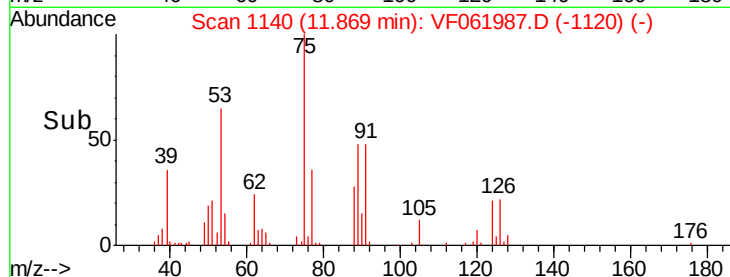
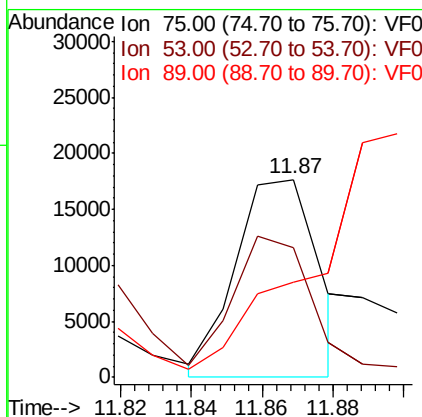
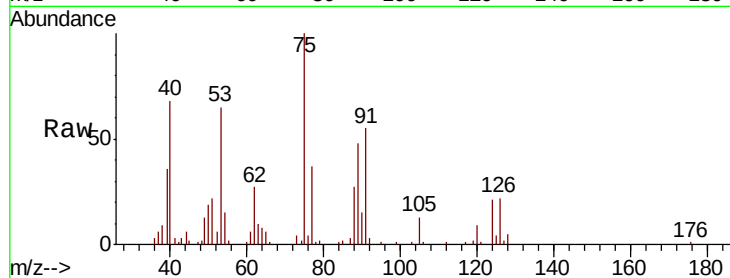
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	28697
Ion	Ratio	Lower	Upper
75	100		
53	65.4	49.0	73.6
89	48.2	37.1	55.7

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#82

4-Chlorotoluene

Concen: 47.853 ug/l

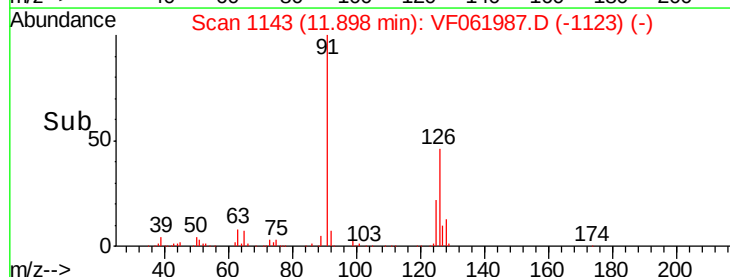
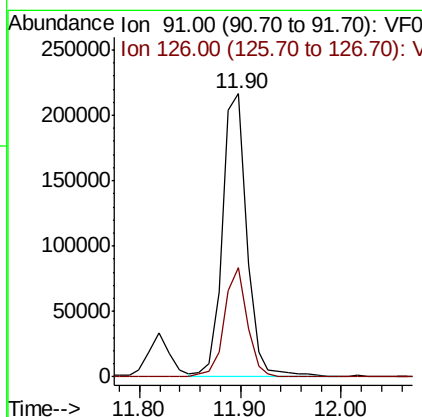
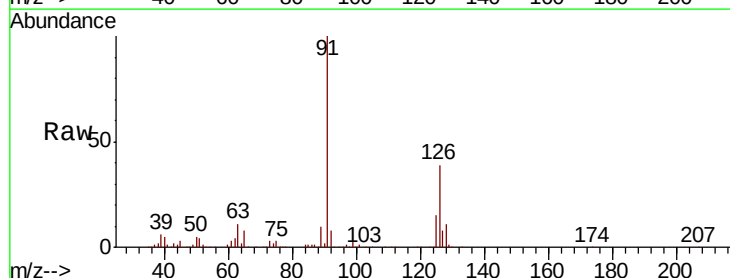
RT: 11.90 min Scan# 1143

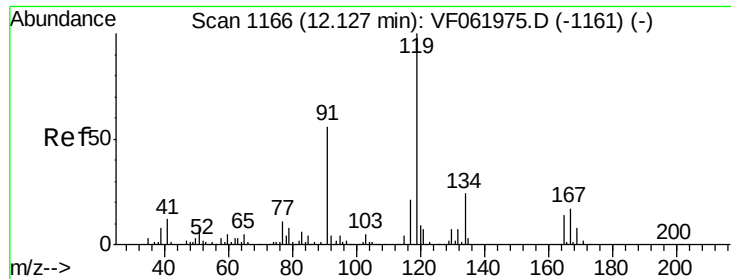
Delta R.T. -0.00 min

Lab File: VF061987.D

Acq: 16 Mar 2019 21:21

Tgt Ion:	91	Resp:	360595
Ion	Ratio	Lower	Upper
91	100		
126	38.5	18.1	54.1





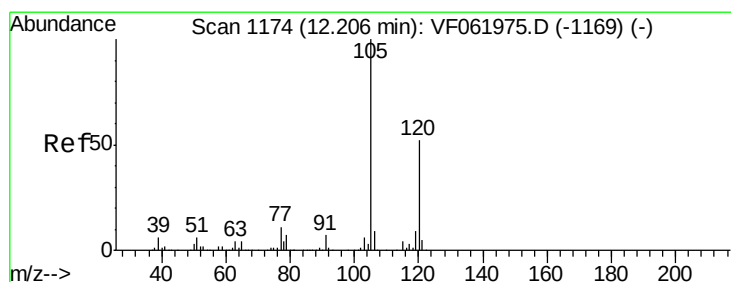
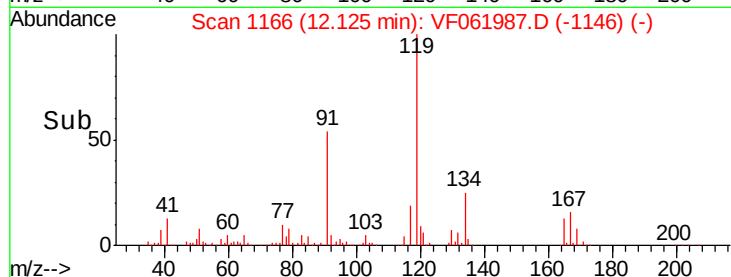
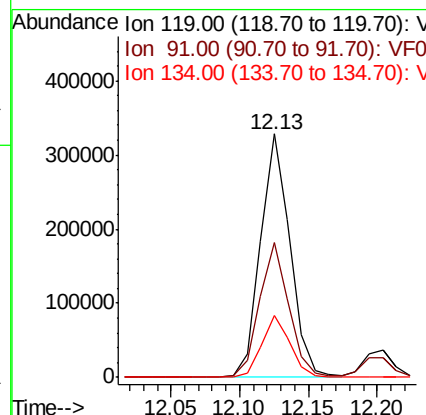
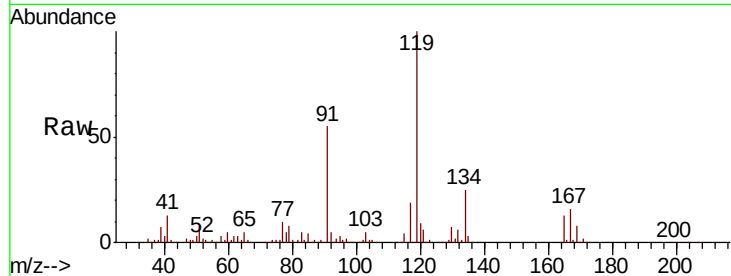
#83
 tert-Butylbenzene
 Concen: 50.838 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	493080		
91	55.2	27.9	83.6	
134	25.4	12.3	36.8	

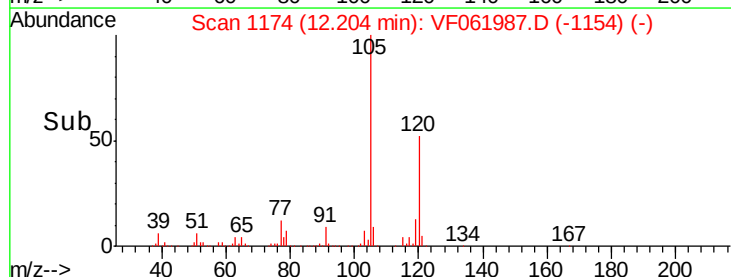
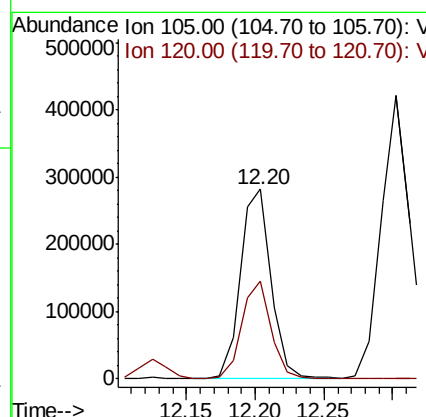
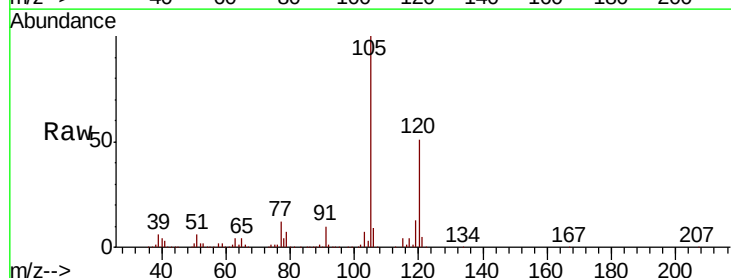
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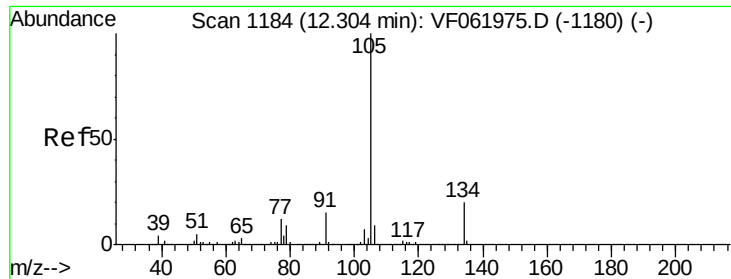
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.122 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	437729		
120	51.5	25.9	77.8	





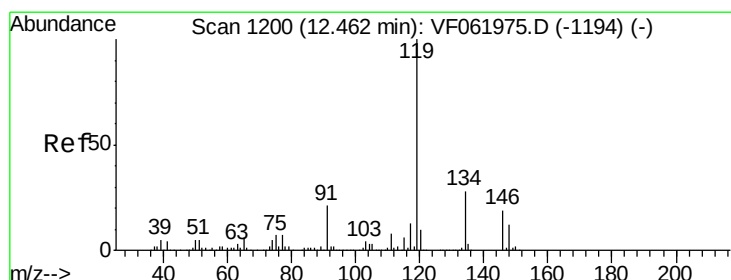
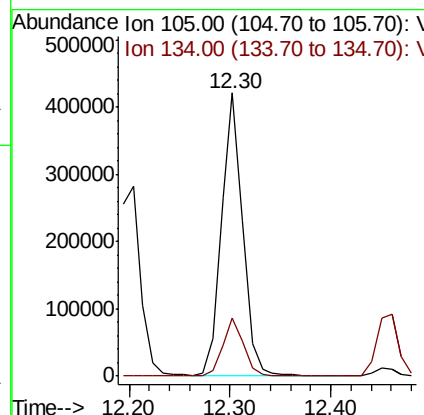
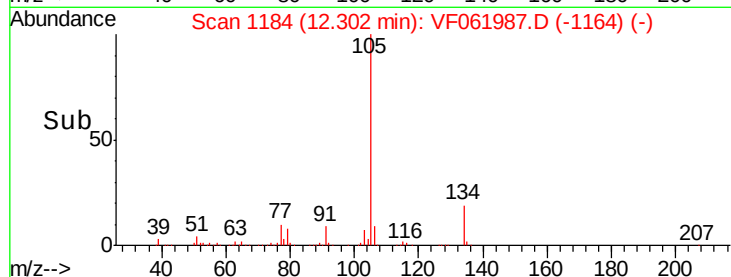
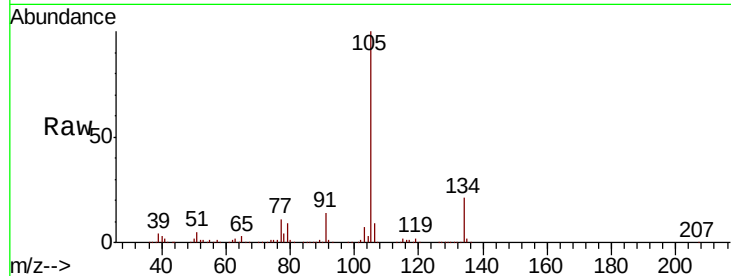
#85
 sec-Butylbenzene
 Concen: 46.904 ug/l
 RT: 12.30 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.0	29.8

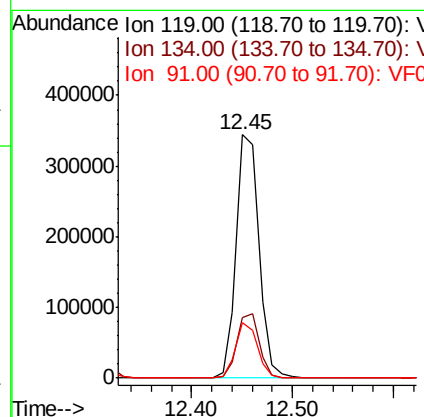
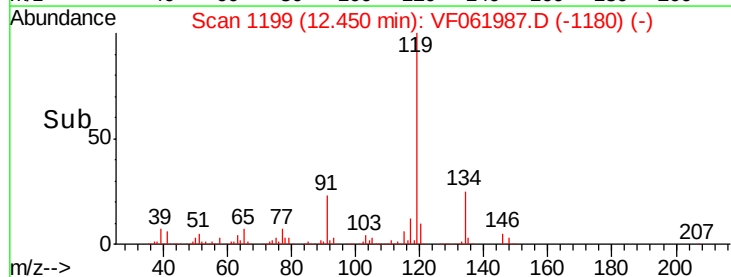
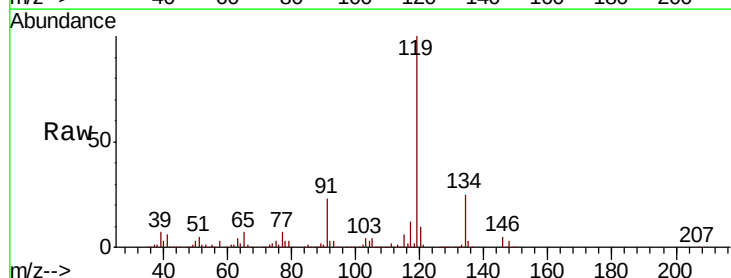
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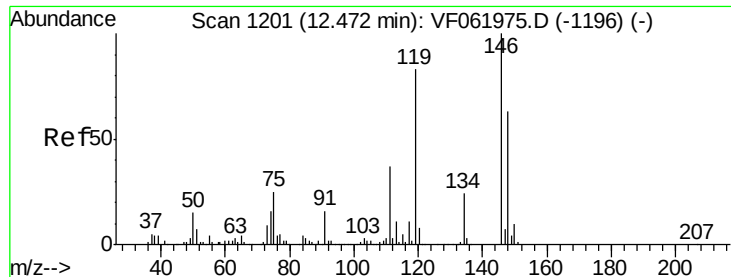
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#86
 p-Isopropyltoluene
 Concen: 49.289 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.1	13.9	41.7
91	23.0	10.4	31.1





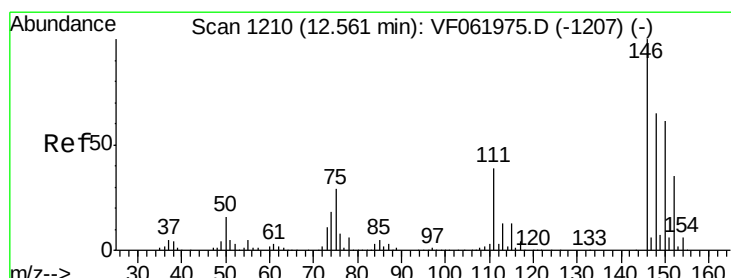
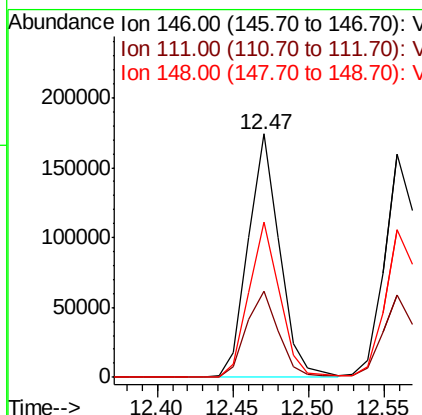
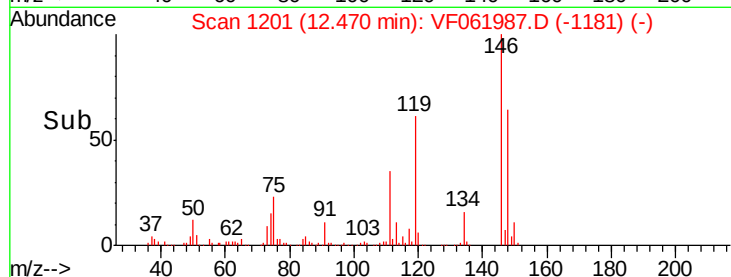
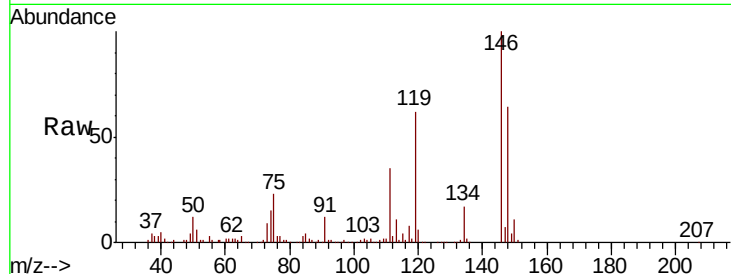
#87
 1,3-Dichlorobenzene
 Concen: 48.575 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.2	18.6	55.8
148	63.7	31.3	93.9

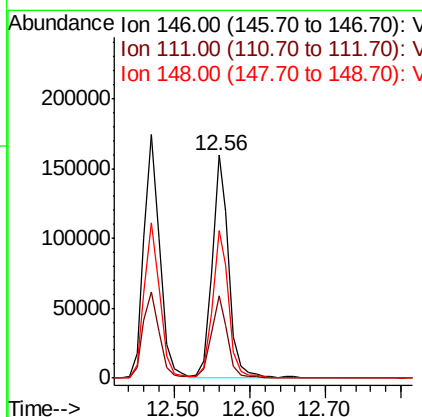
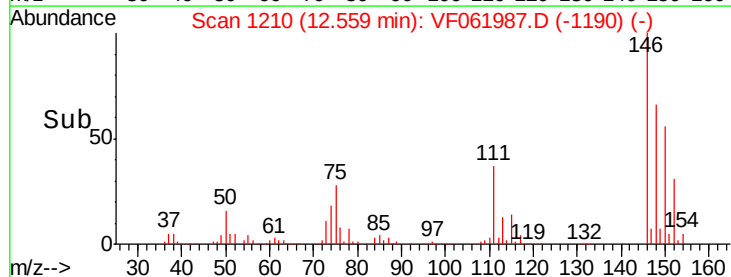
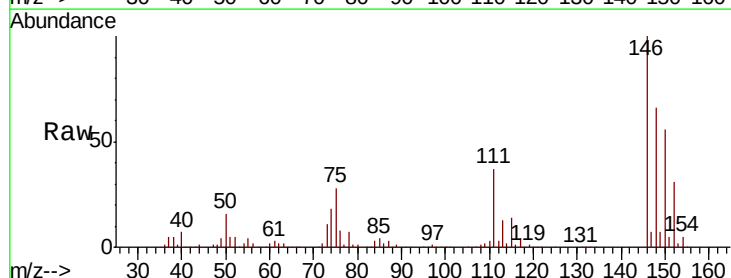
Manual Integrations
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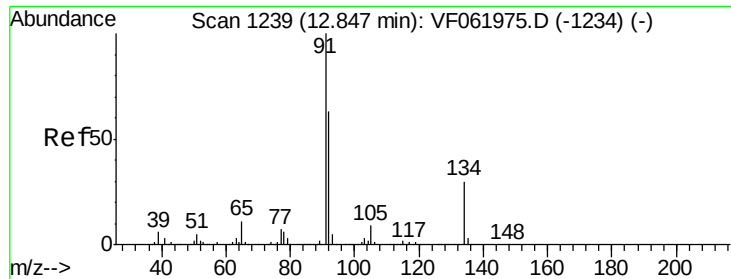
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#88
 1,4-Dichlorobenzene
 Concen: 49.108 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.4	58.1
148	66.2	32.4	97.0





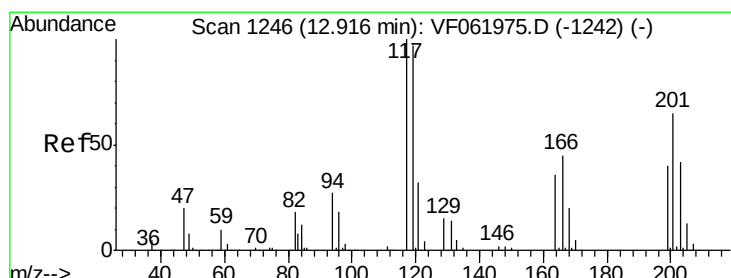
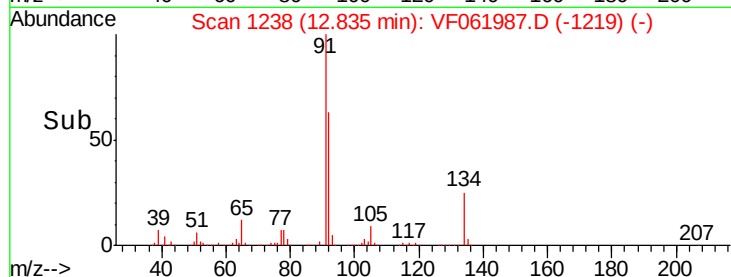
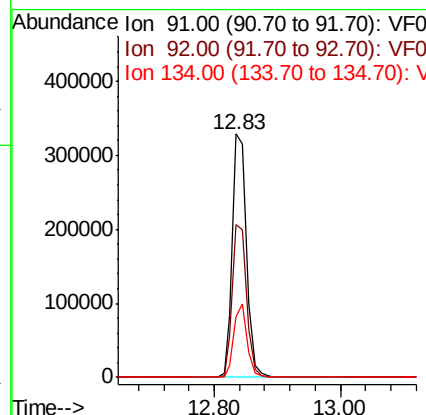
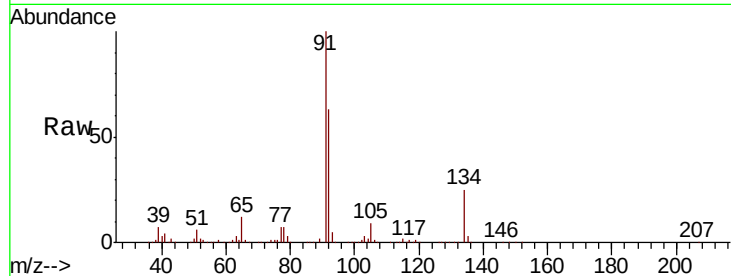
#89
n-Butylbenzene
Concen: 49.581 ug/l
RT: 12.83 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.0	31.7	95.1
134	24.7	15.1	45.3

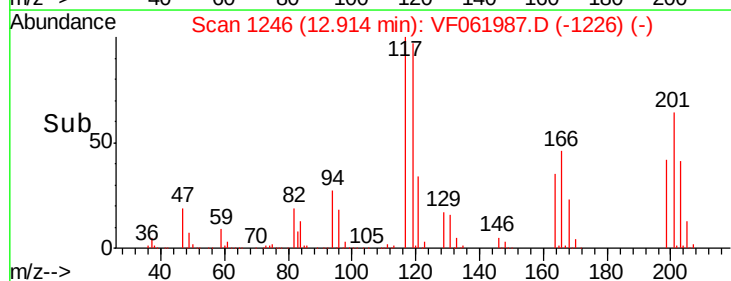
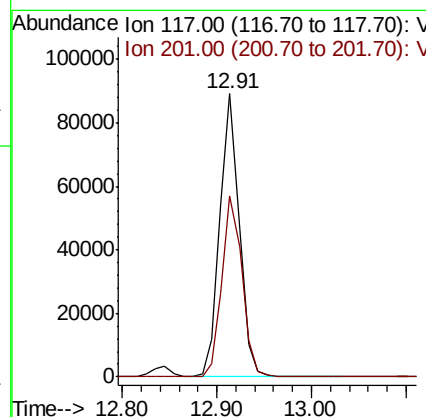
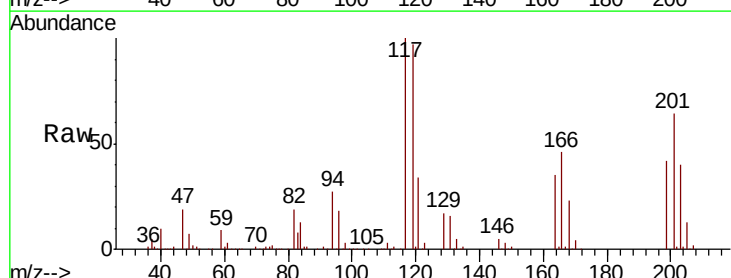
Manual Integrations
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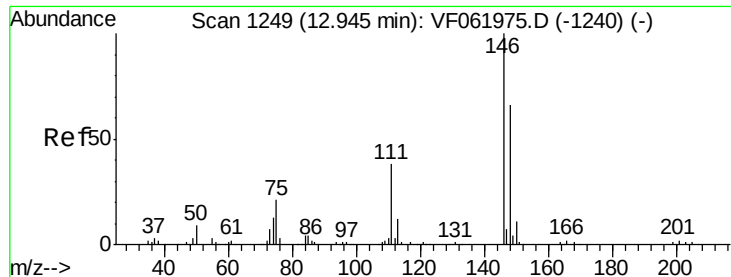
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#90
Hexachloroethane
Concen: 51.327 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.9	32.5	97.5





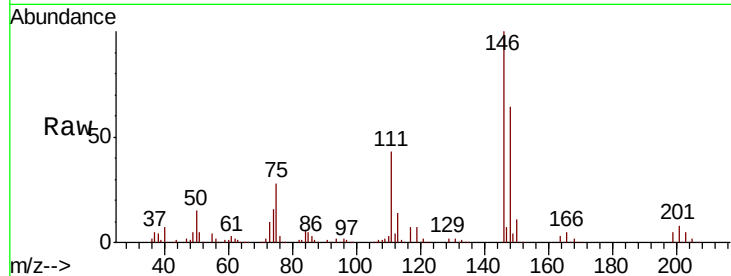
#91
 1,2-Dichlorobenzene
 Concen: 48.187 ug/l
 RT: 12.93 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	18.9	56.5
148	64.4	32.9	98.6

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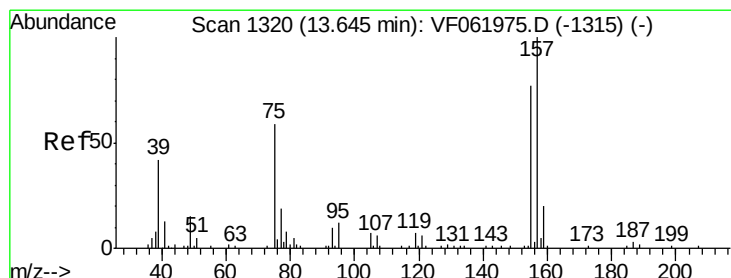
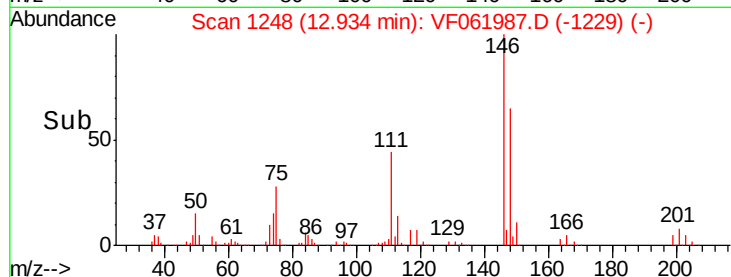
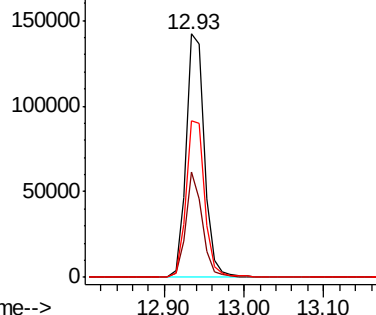


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.428 ug/l
 RT: 13.63 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

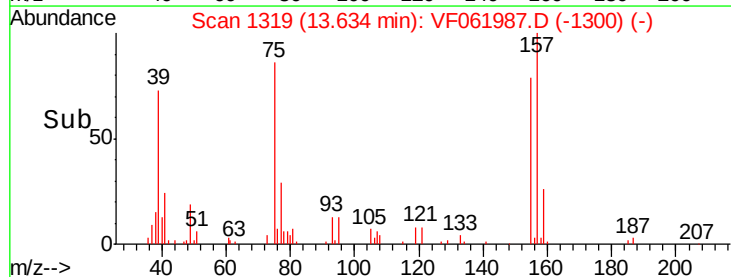
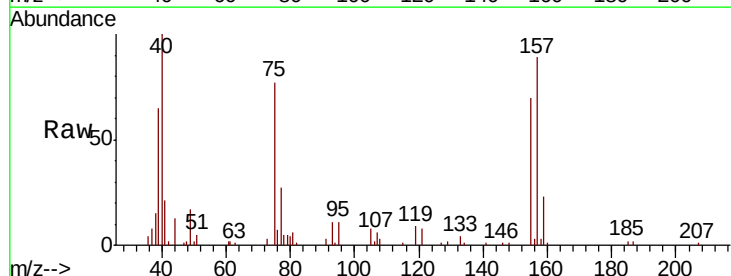
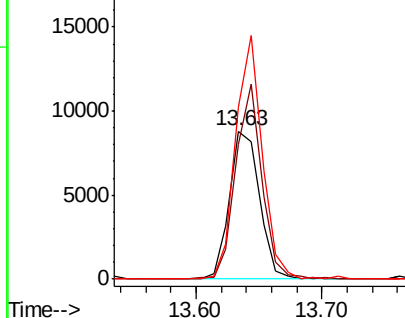
Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	65.0	195.1
157	115.8	84.7	254.0

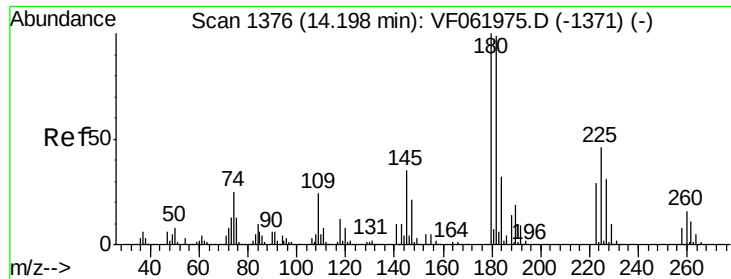
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





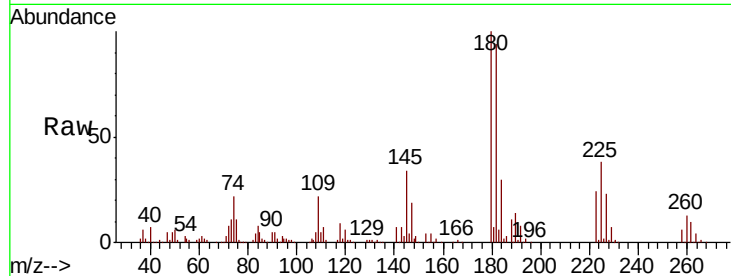
#93
 1,2,4-Trichlorobenzene
 Concen: 49.188 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	165777		
182	94.0		49.6	149.0
145	34.2		17.5	52.5

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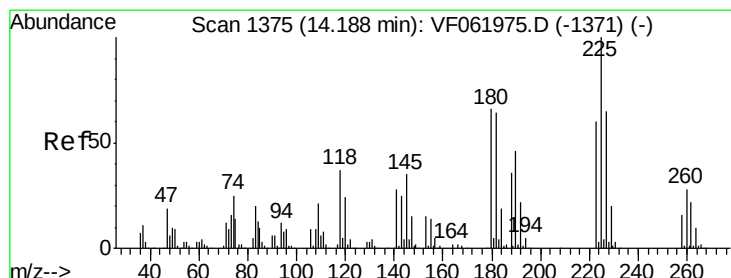
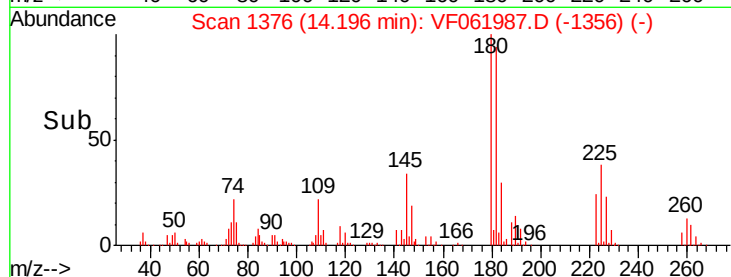
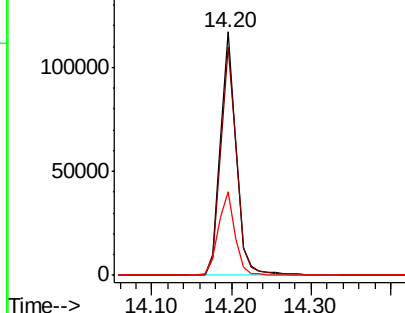


Abundance

Ion 180.00 (179.70 to 180.70): V

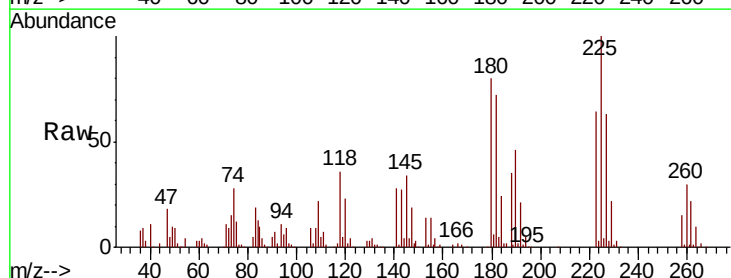
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 50.014 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061987.D
 Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	111903		
223	63.8		29.9	89.7
227	62.6		32.4	97.2

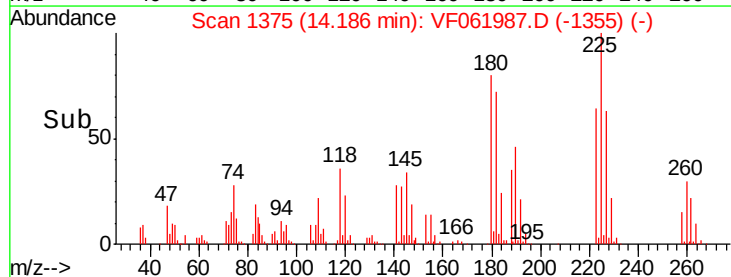
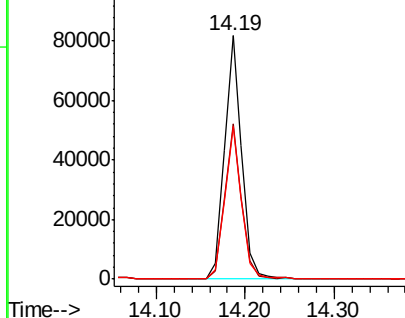


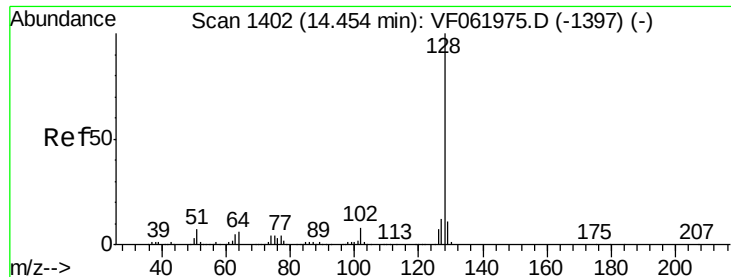
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





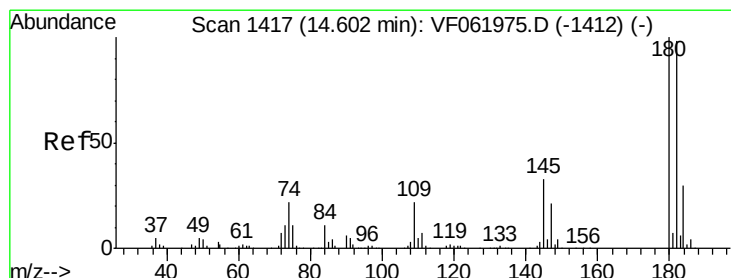
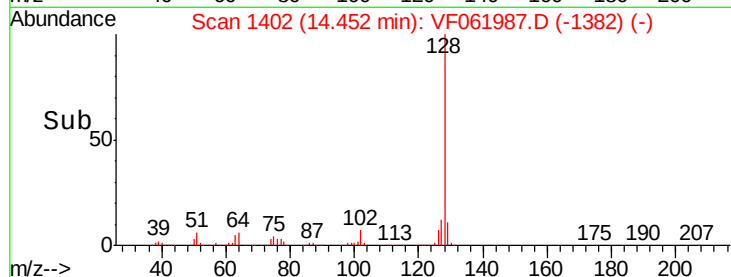
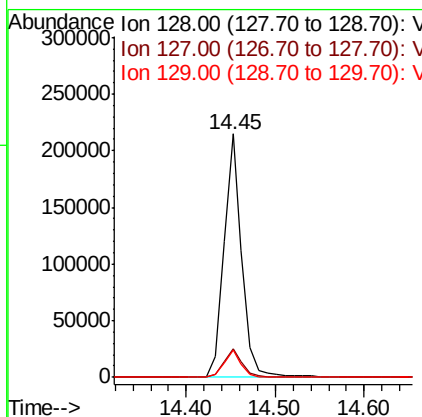
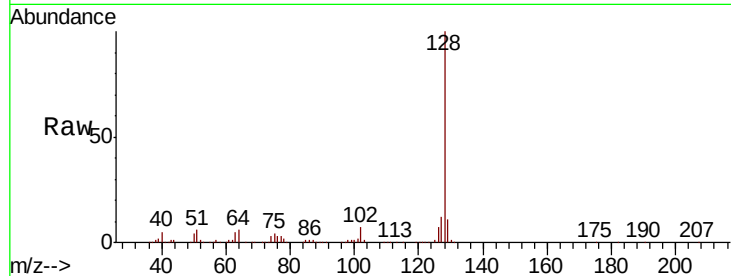
#95
Naphthalene
Concen: 50.120 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.6	9.3	13.9
129	11.4	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
3/22/2019 6:19:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.959 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF061987.D
Acq: 16 Mar 2019 21:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	48.9	146.8
145	29.8	16.7	50.1

