

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061975.D
 Acq On : 16 Mar 2019 12:08
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 6:18:56 PM

Quant Time: Mar 22 03:16:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:28:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	260352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	399155	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	342846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	179025	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	91503	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	4.11	113	127072	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
50) Toluene-d8	7.55	98	382486	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
62) 4-Bromofluorobenzene	11.41	95	142089	45.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	136604	49.219	ug/l	100
3) Chloromethane	1.09	50	133243	47.241	ug/l	100
4) Vinyl Chloride	1.14	62	132053	48.409	ug/l	100
5) Bromomethane	1.32	94	100507	52.449	ug/l	100
6) Chloroethane	1.39	64	72449	51.448	ug/l	100
7) Trichlorofluoromethane	1.47	101	182182	50.411	ug/l	100
8) Diethyl Ether	1.63	74	42474	52.868	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.84	101	121523	47.727	ug/l	100
10) Methyl Iodide	1.91	142	228527m	51.280	ug/l	
11) Tert butyl alcohol	2.58	59	31764	276.982	ug/l	100
12) 1,1-Dichloroethene	1.79	96	106699	48.557	ug/l	100
13) Acrolein	2.00	56	27971	225.939	ug/l	100
14) Allyl chloride	2.10	41	138617	49.419	ug/l	100
15) Acrylonitrile	2.94	53	88892	254.900	ug/l	100
16) Acetone	2.24	43	106379	252.777	ug/l	100
17) Carbon Disulfide	1.82	76	311999m	49.095	ug/l	
18) Methyl Acetate	2.35	43	50157	56.109	ug/l	100
19) Methyl tert-butyl Ether	2.43	73	205581	51.632	ug/l	100
20) Methylene Chloride	2.18	84	103872m	47.942	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	115631	50.426	ug/l	100
22) Diisopropyl ether	2.80	45	351206	52.055	ug/l	100
23) Vinyl Acetate	3.19	43	692646	260.426	ug/l	100
24) 1,1-Dichloroethane	2.87	63	200226	51.039	ug/l	100
25) 2-Butanone	4.34	43	207766	249.281	ug/l	100
26) 2,2-Dichloropropane	3.60	77	93520	50.540	ug/l	100
27) cis-1,2-Dichloroethene	3.47	96	147369	50.988	ug/l	100
28) Bromochloromethane	3.72	49	84110	51.671	ug/l	100
29) Tetrahydrofuran	4.07	42	93252	257.270	ug/l	100
30) Chloroform	3.86	83	218603	49.181	ug/l	100
31) Cyclohexane	3.69	56	195369m	50.831	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	149163	50.531	ug/l	100
36) 1,1-Dichloropropene	4.28	75	184604	51.214	ug/l	100
37) Ethyl Acetate	4.11	43	81864	50.581	ug/l	100
38) Carbon Tetrachloride	3.98	117	133494	50.675	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	221432	52.327	ug/l	100
40) Benzene	4.63	78	472343	49.454	ug/l	100
41) Methacrylonitrile	4.74	41	42800	49.496	ug/l	100
42) 1,2-Dichloroethane	4.94	62	119981	50.462	ug/l	100
43) Isopropyl Acetate	6.96	43	99282	51.846	ug/l	100
44) Trichloroethene	5.50	130	146751	50.156	ug/l	100
45) 1,2-Dichloropropane	6.23	63	117968	52.190	ug/l	100
46) Dibromomethane	6.08	93	71910	53.479	ug/l	100
47) Bromodichloromethane	6.39	83	161789	51.036	ug/l	100
48) Methyl methacrylate	6.71	41	61992	50.090	ug/l	100
49) 1,4-Dioxane	6.70	88	12252	1112.958	ug/l	100
51) 4-Methyl-2-Pentanone	8.26	43	354823	260.935	ug/l	100
52) Toluene	7.62	92	287504	49.265	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	139922	52.281	ug/l	100
54) cis-1,3-Dichloropropene	7.30	75	181271	51.909	ug/l	100
55) 1,1,2-Trichloroethane	8.49	97	83034	50.980	ug/l	100
56) Ethyl methacrylate	8.62	69	95351	51.499	ug/l	100
57) 1,3-Dichloropropane	8.85	76	145459	53.537	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	86765	258.721	ug/l	100
59) 2-Hexanone	9.49	43	251899	255.968	ug/l	100
60) Dibromochloromethane	8.72	129	120004	53.072	ug/l	100
61) 1,2-Dibromoethane	8.99	107	90493	51.796	ug/l	100
64) Tetrachloroethene	8.15	164	127834	51.295	ug/l	100
65) Chlorobenzene	9.80	112	321126	50.308	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	127676	51.602	ug/l	100
67) Ethyl Benzene	9.90	91	536432	49.081	ug/l	100
68) m/p-Xylenes	10.14	106	403571	98.177	ug/l	100
69) o-Xylene	10.72	106	226792	51.561	ug/l	100
70) Styrene	10.79	104	304830	50.024	ug/l	100
71) Bromoform	10.78	173	67329	53.799	ug/l	100
73) Isopropylbenzene	11.12	105	656105	53.048	ug/l	100
74) N-amyl acetate	11.37	43	148829	52.516	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.69	83	107173	52.497	ug/l	100
76) 1,2,3-Trichloropropane	11.79	75	74754	52.366	ug/l	100
77) Bromobenzene	11.50	156	147281	51.421	ug/l	100
78) n-propylbenzene	11.59	91	689924	48.513	ug/l	100
79) 2-Chlorotoluene	11.72	91	399901	49.817	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	505579	50.604	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	35981m	56.975	ug/l	
82) 4-Chlorotoluene	11.90	91	419837	51.718	ug/l	100
83) tert-Butylbenzene	12.13	119	540536	51.733	ug/l	100
84) 1,2,4-Trimethylbenzene	12.21	105	507677	50.732	ug/l	100
85) sec-Butylbenzene	12.30	105	698475	49.478	ug/l	100
86) p-Isopropyltoluene	12.46	119	606746	51.508	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	283131	50.295	ug/l	100
88) 1,4-Dichlorobenzene	12.56	146	275549	50.855	ug/l	100
89) n-Butylbenzene	12.85	91	574883	51.937	ug/l	100
90) Hexachloroethane	12.92	117	144190	53.638	ug/l	100
91) 1,2-Dichlorobenzene	12.95	146	260547	49.972	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.65	75	17819	54.392	ug/l	100

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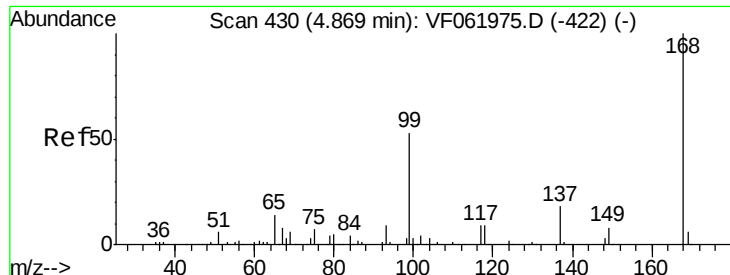
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	186482	51.362	ug/l	100
94) Hexachlorobutadiene	14.19	225	127490	52.893	ug/l	100
95) Naphthalene	14.45	128	351494	53.828	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	178792	53.526	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 260352

Ion Ratio Lower Upper

168 100

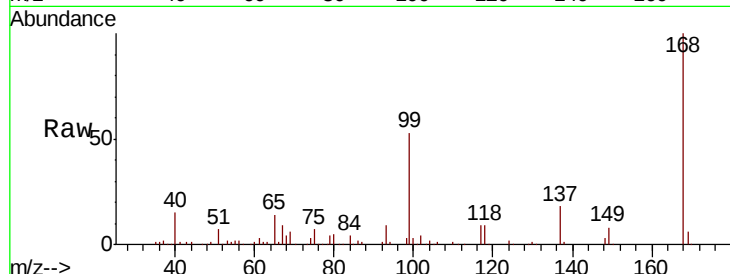
99 53.0 42.4 63.6

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

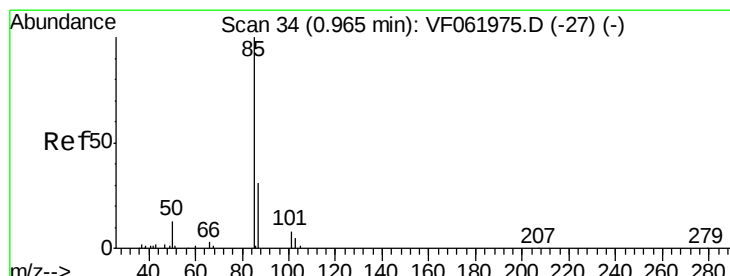
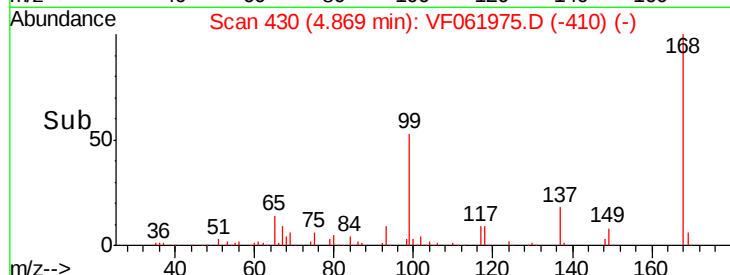
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 49.219 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061975.D

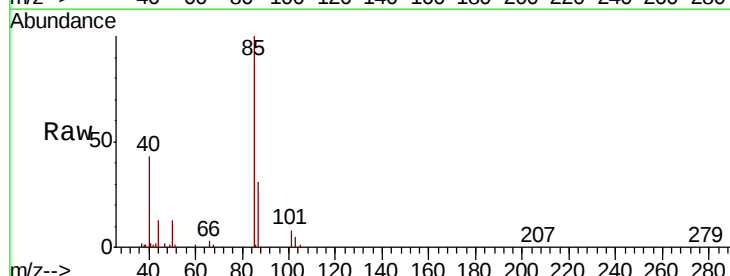
Acq: 16 Mar 2019 12:08

Tgt Ion: 85 Resp: 136604

Ion Ratio Lower Upper

85 100

87 30.8 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

40000

30000

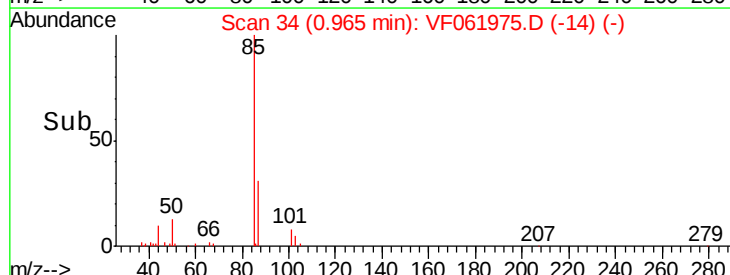
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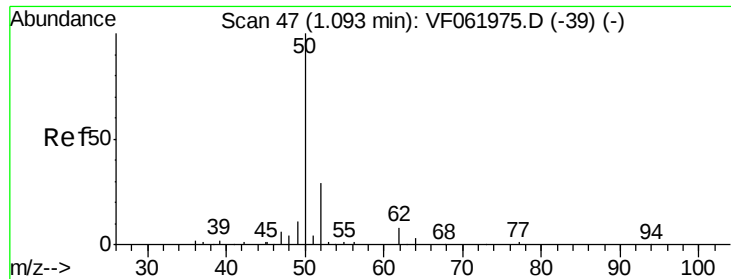
10000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 47.241 ug/l

RT: 1.09 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 133243

Ion Ratio Lower Upper

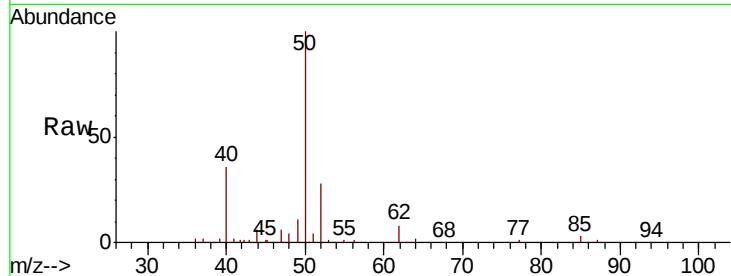
50 100

52 28.3 22.6 34.0

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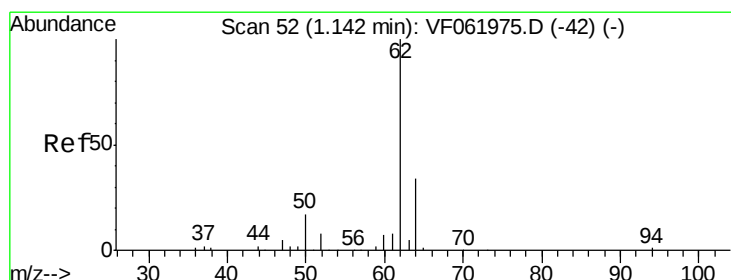
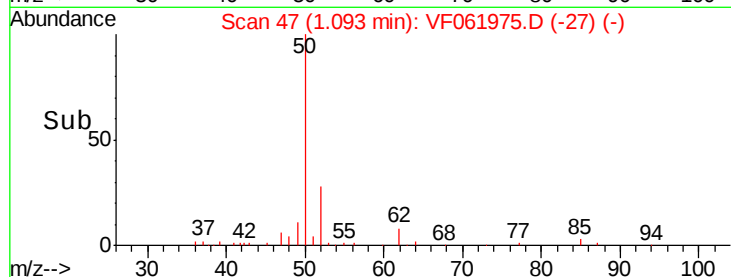
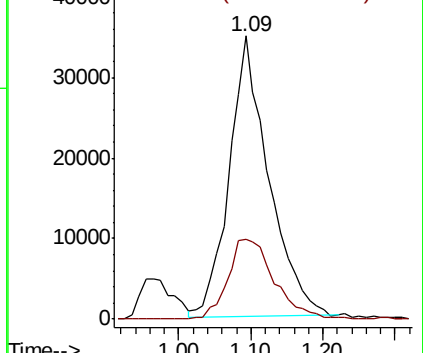
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 48.409 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061975.D

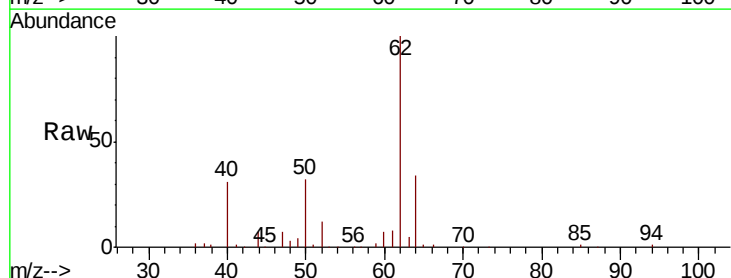
Acq: 16 Mar 2019 12:08

Tgt Ion: 62 Resp: 132053

Ion Ratio Lower Upper

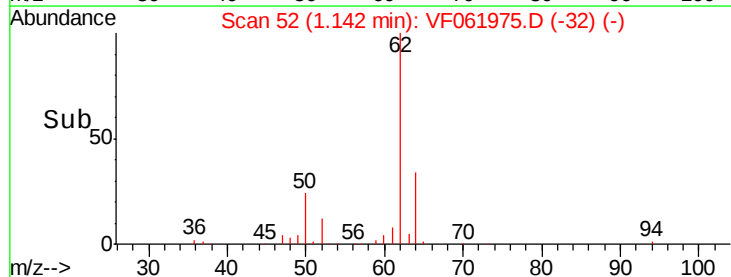
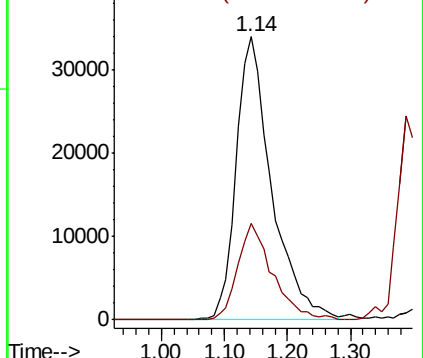
62 100

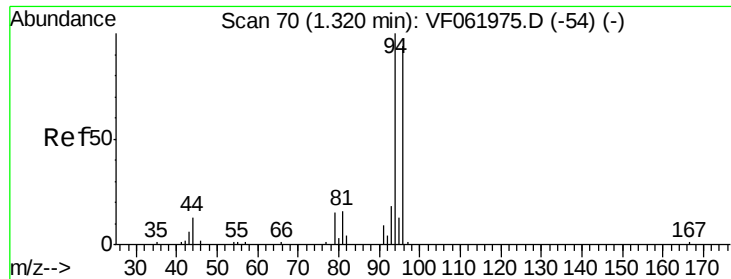
64 34.3 27.4 41.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 52.449 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 100507

Ion Ratio Lower Upper

94 100

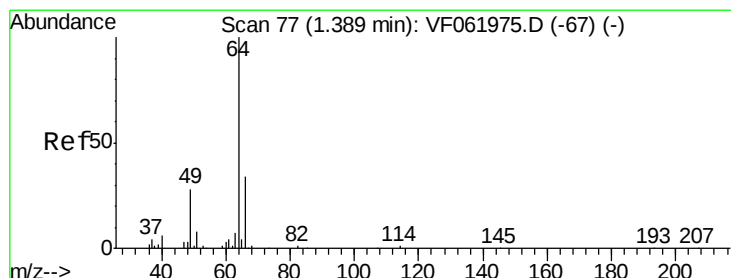
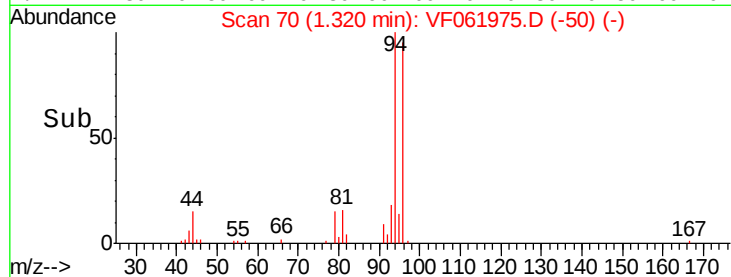
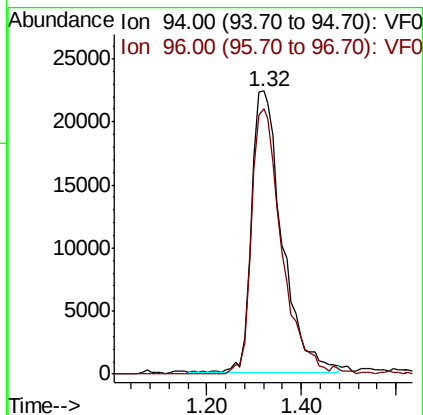
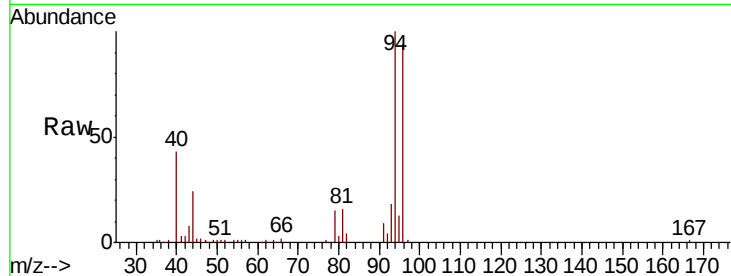
96 93.8 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 51.448 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF061975.D

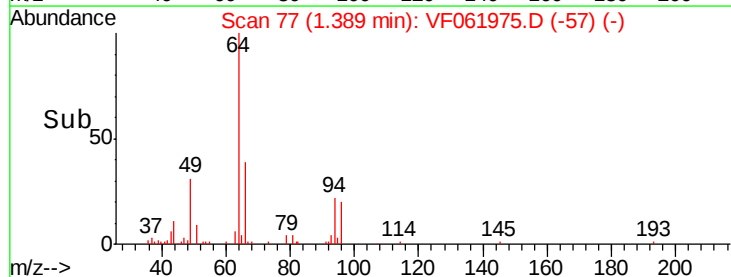
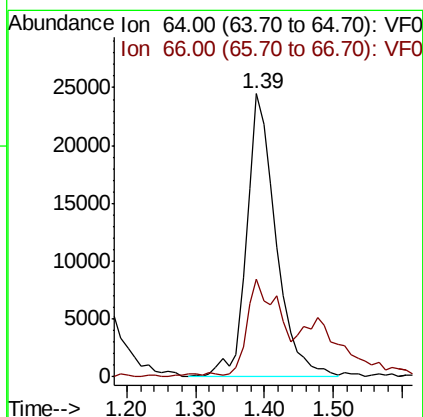
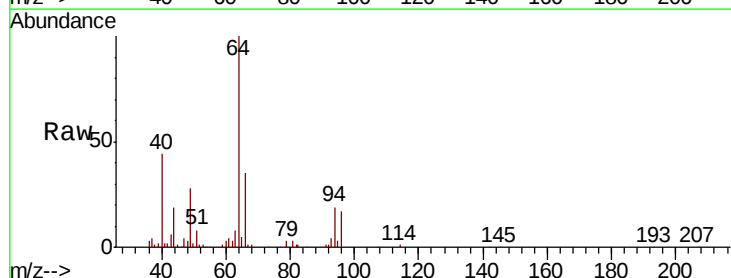
Acq: 16 Mar 2019 12:08

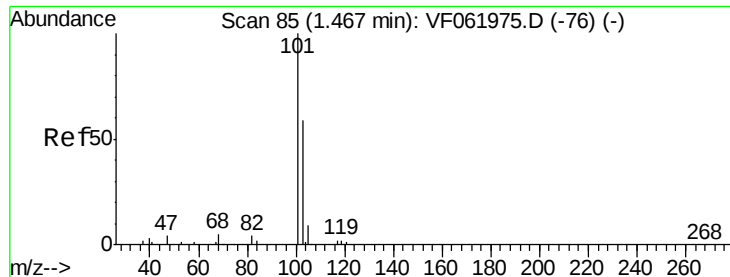
Tgt Ion: 64 Resp: 72449

Ion Ratio Lower Upper

64 100

66 34.5 27.6 41.4





#7

Trichlorofluoromethane

Concen: 50.411 ug/l

RT: 1.47 min Scan# 85

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

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Tot Ion:101 Resp: 182182

Ion Ratio Lower Upper

101 100

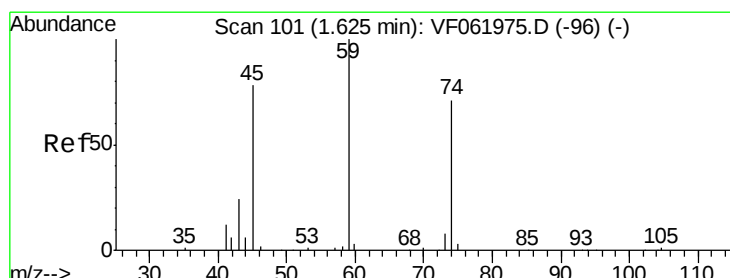
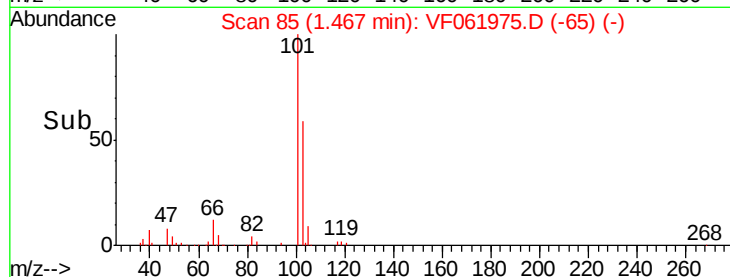
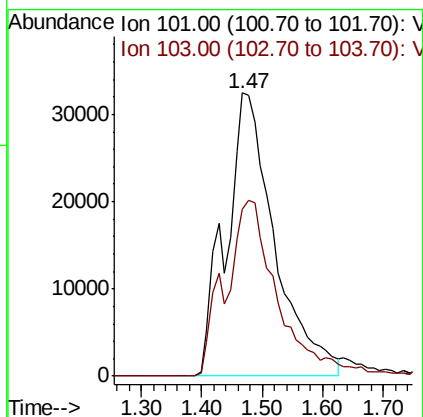
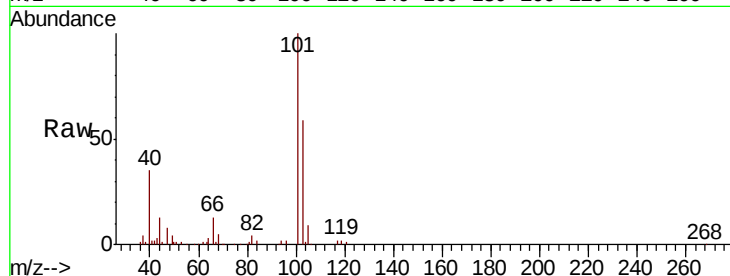
103 59.1 47.3 70.9

Manual Integrations

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#8

Diethyl Ether

Concen: 52.868 ug/l

RT: 1.63 min Scan# 101

Delta R.T. 0.00 min

Lab File: VF061975.D

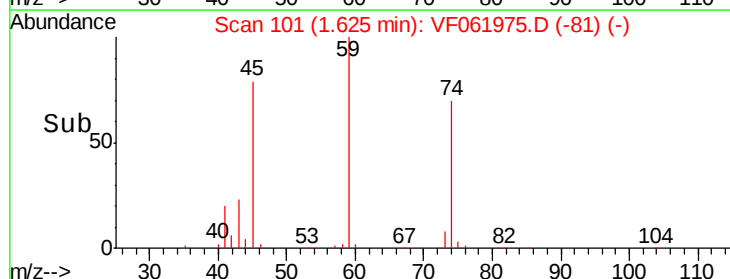
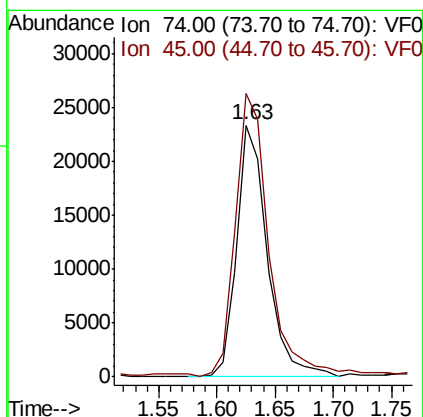
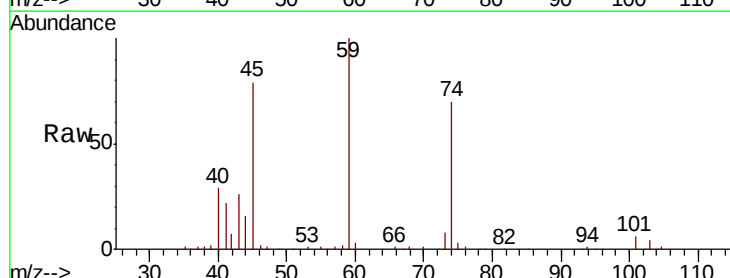
Acq: 16 Mar 2019 12:08

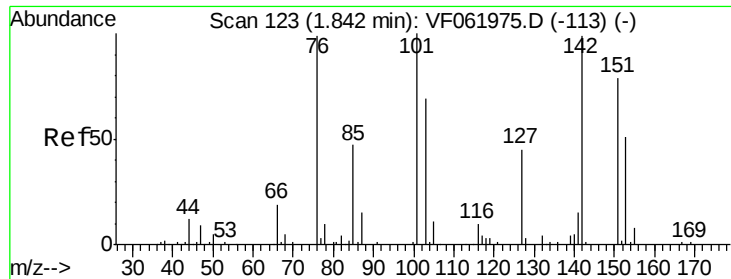
Tgt Ion: 74 Resp: 42474

Ion Ratio Lower Upper

74 100

45 112.5 56.3 168.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.727 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

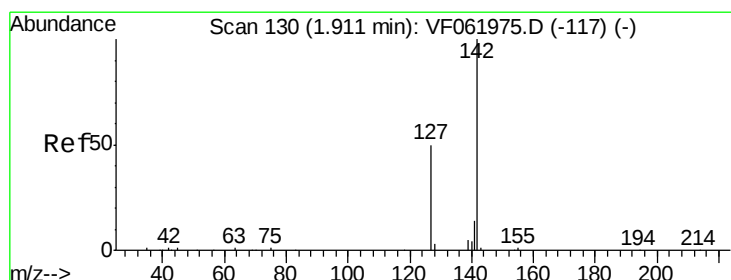
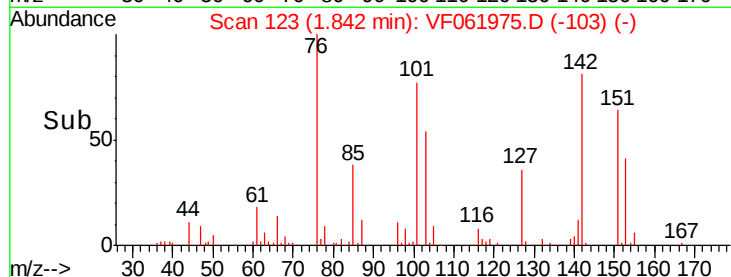
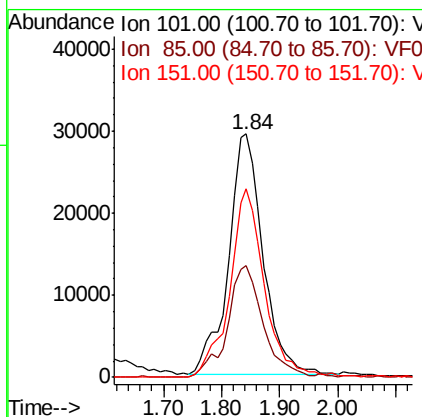
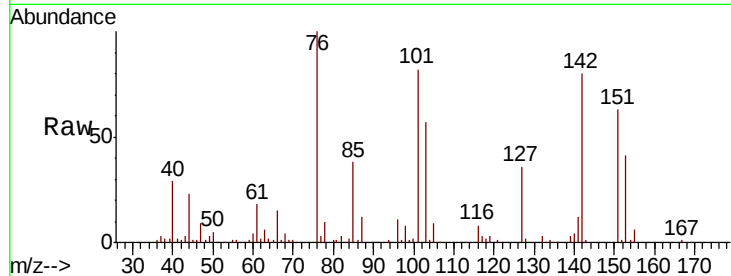
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	121523
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.8	55.2
151	77.7	62.2	93.2

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#10

Methyl Iodide

Concen: 51.280 ug/l m

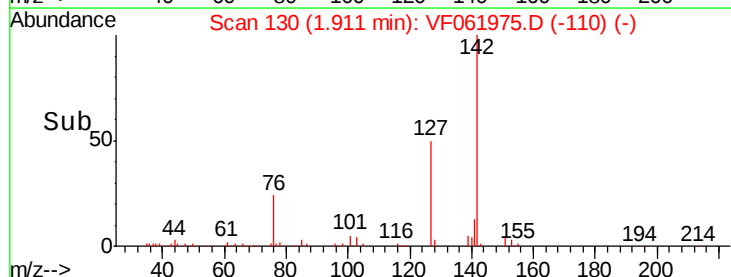
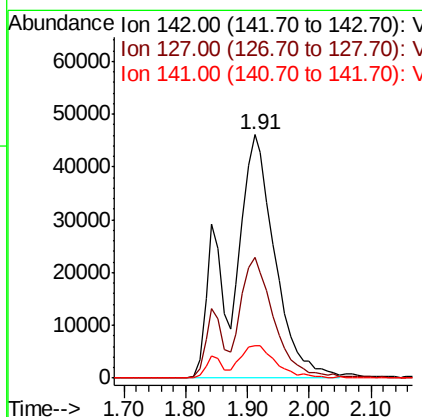
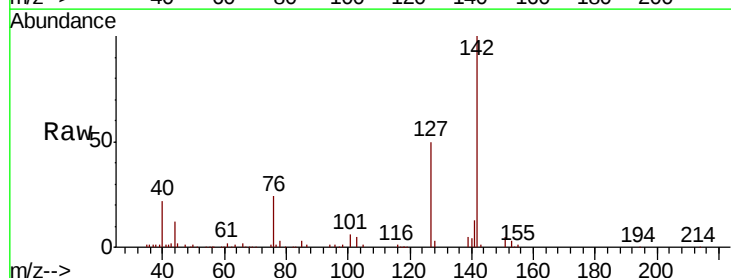
RT: 1.91 min Scan# 130

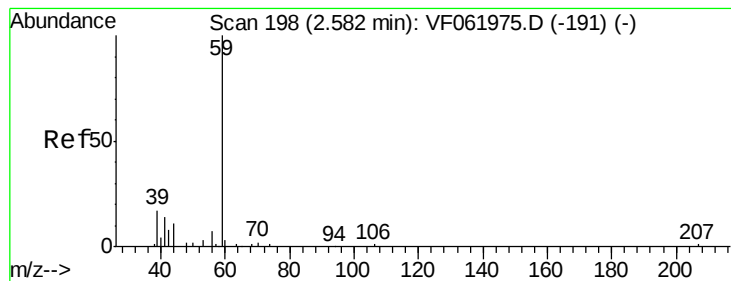
Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Tgt Ion:	142	Resp:	228527
Ion Ratio	Lower	Upper	
142	100		
127	49.6	39.7	59.5
141	13.5	10.8	16.2





#11

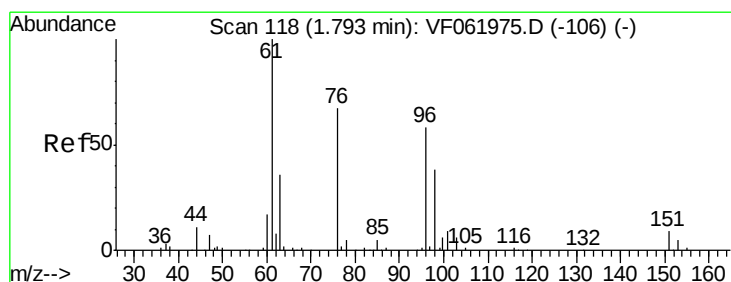
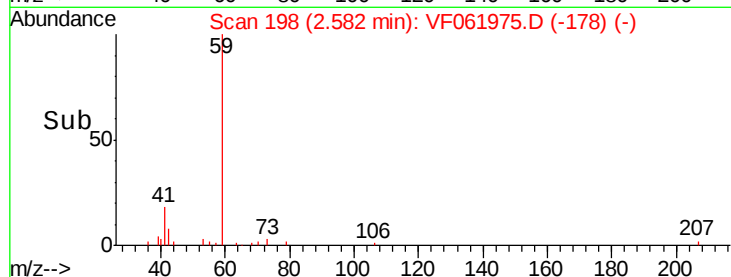
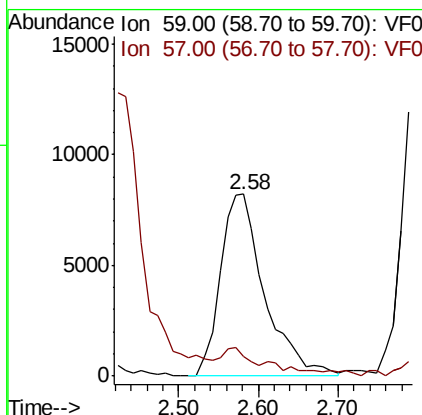
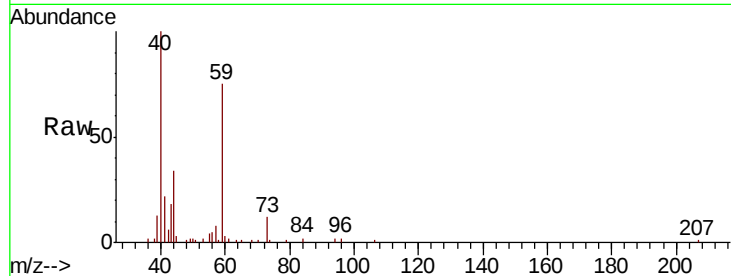
Tert butyl alcohol
Concen: 276.982 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.7	13.1

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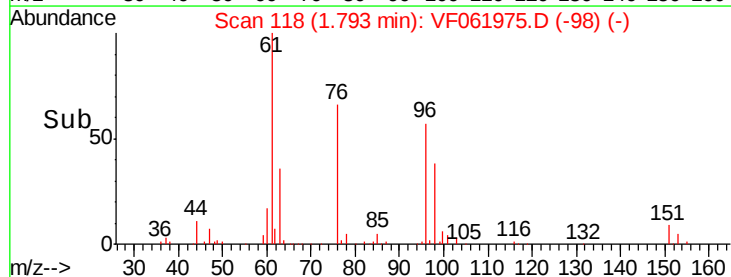
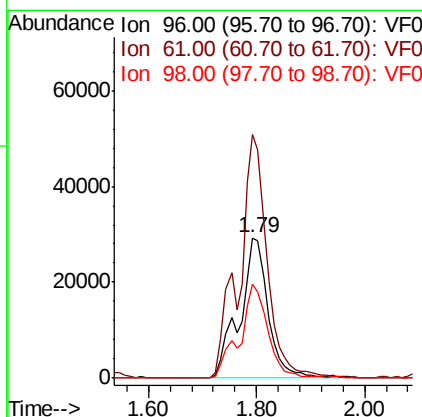
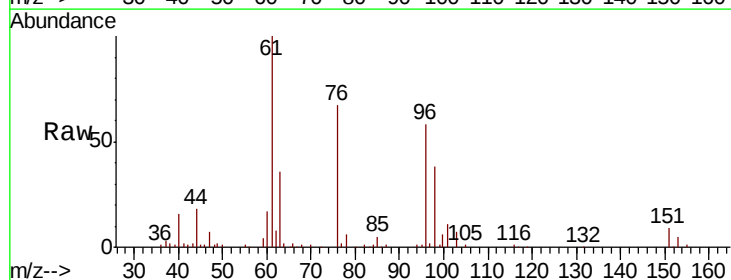
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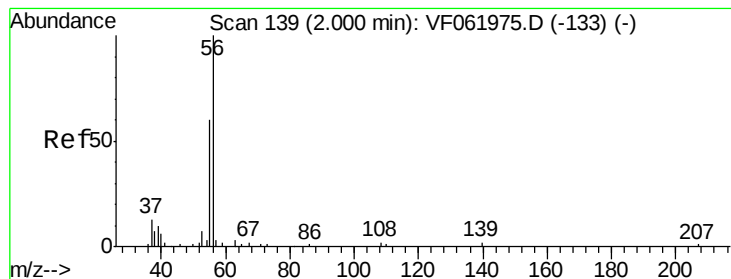


#12

1,1-Dichloroethene
Concen: 48.557 ug/l
RT: 1.79 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.3	138.6	208.0
98	66.5	53.2	79.8





#13

Acrolein

Concen: 225.939 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 27971

Ion Ratio Lower Upper

56 100

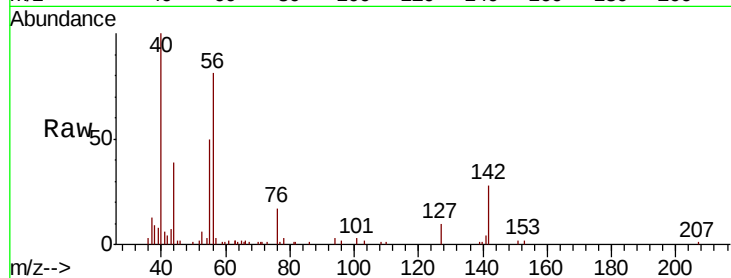
55 61.4 49.1 73.7

Manual Integrations

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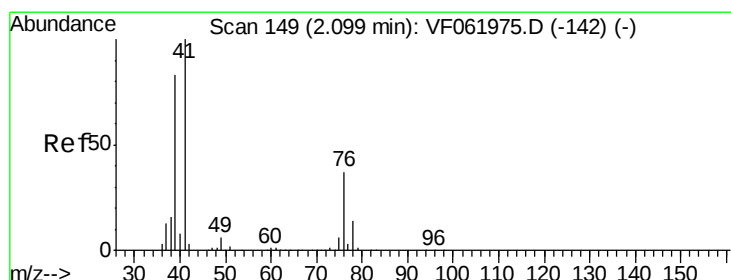
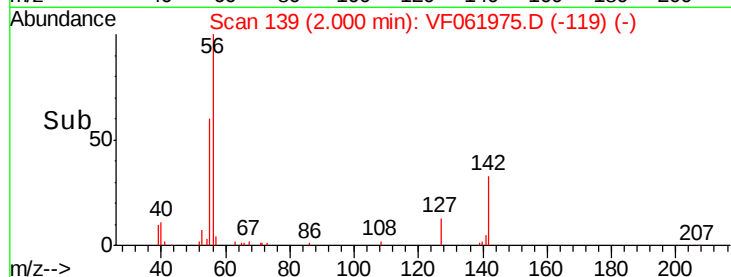
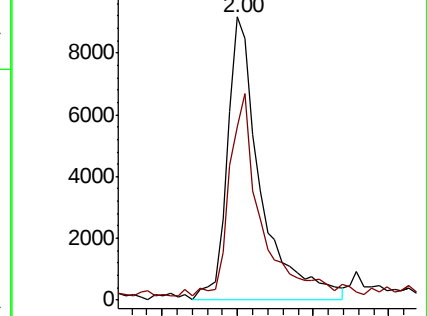
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 49.419 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

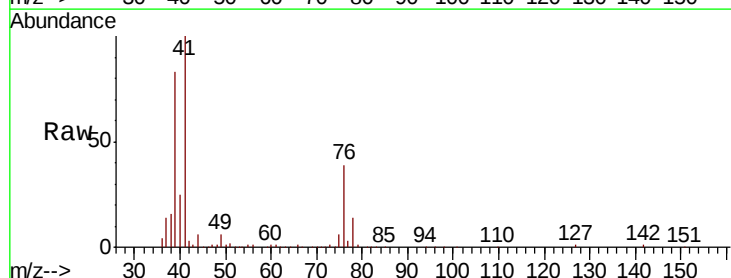
Tgt Ion: 41 Resp: 138617

Ion Ratio Lower Upper

41 100

39 83.5 66.8 100.2

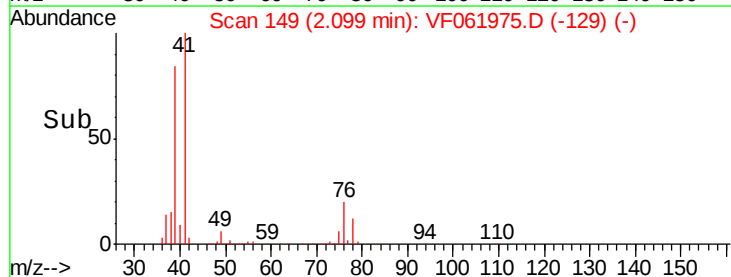
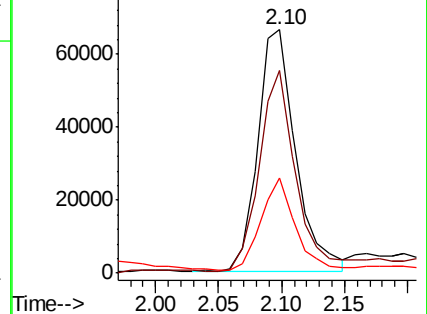
76 38.9 31.1 46.7

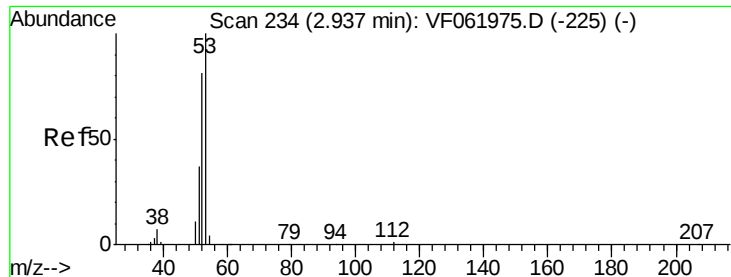


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 254.900 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

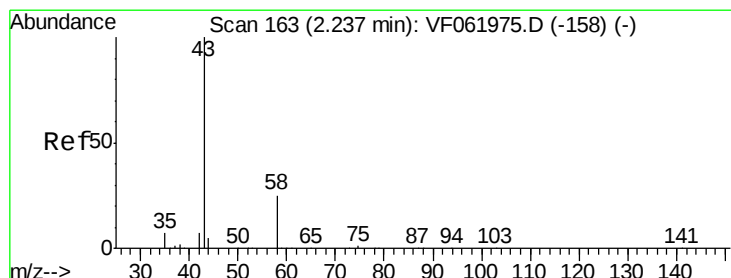
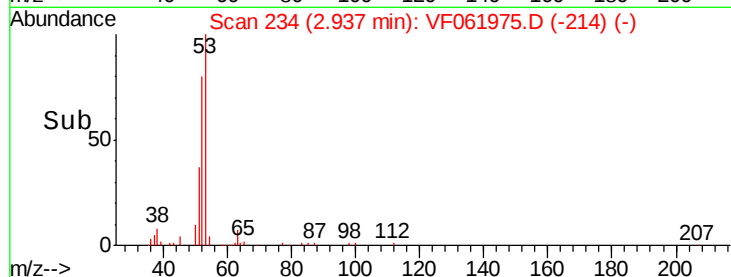
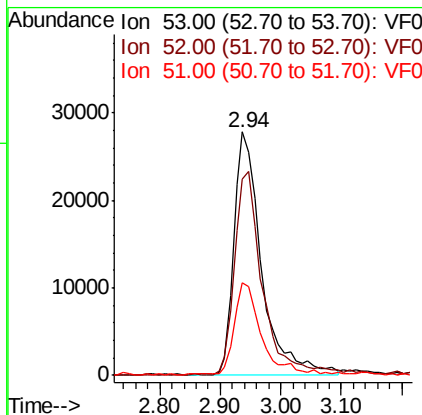
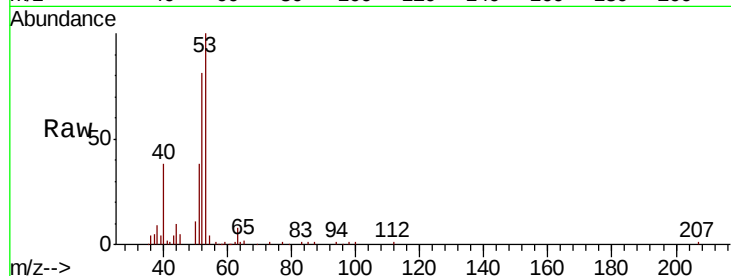
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	88892
Ion	Ratio	Lower	Upper
53	100		
52	80.5	64.4	96.6
51	37.9	30.3	45.5

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#16

Acetone

Concen: 252.777 ug/l

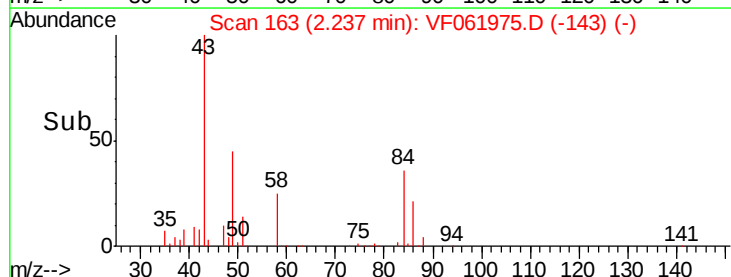
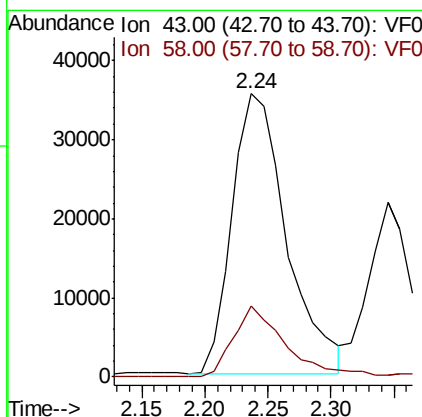
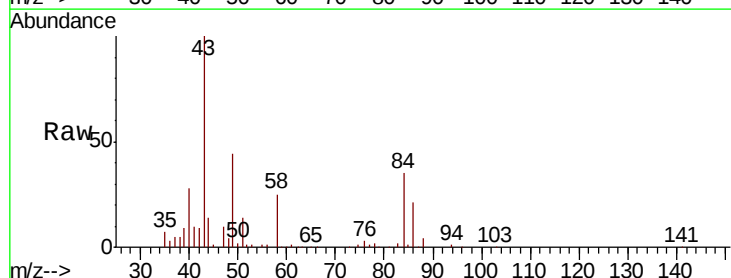
RT: 2.24 min Scan# 163

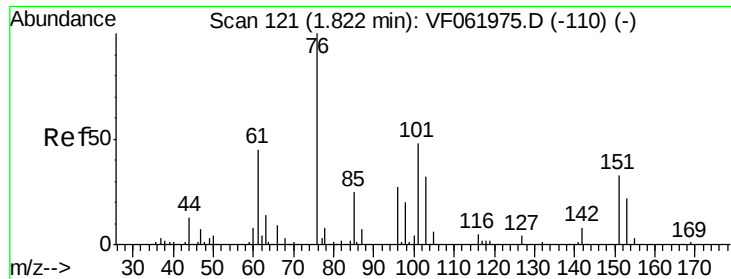
Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Tgt Ion:	43	Resp:	106379
Ion	Ratio	Lower	Upper
43	100		
58	24.9	19.9	29.9





#17

Carbon Disulfide

Concen: 49.095 ug/l m

RT: 1.82 min Scan# 121

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Tot Ion: 76 Resp: 311999

Ion Ratio Lower Upper

76 100

78 8.5 6.8 10.2

Instrument :

MSVOA_F

ClientSampleId :

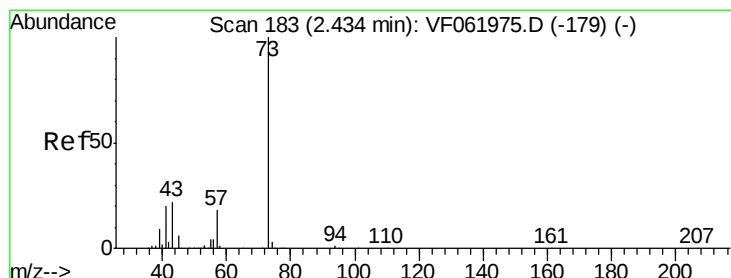
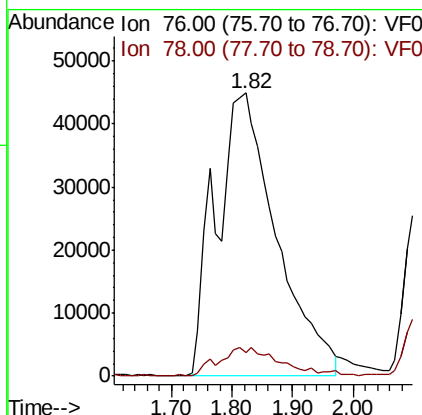
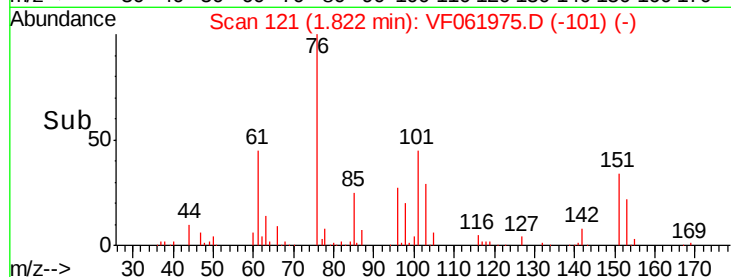
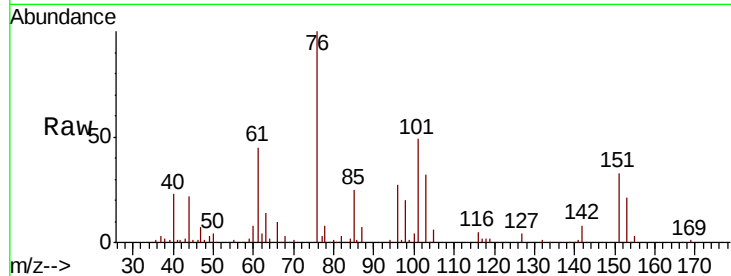
VSTDICCC050

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#18

Methyl Acetate

Concen: 56.109 ug/l

RT: 2.35 min Scan# 174

Delta R.T. 0.00 min

Lab File: VF061975.D

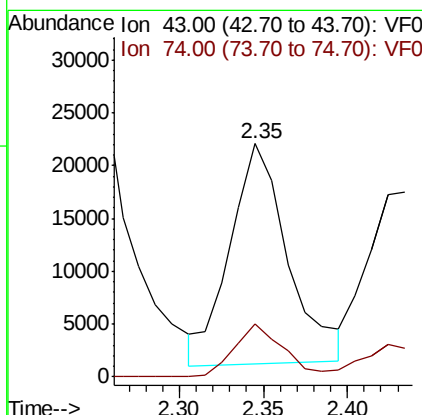
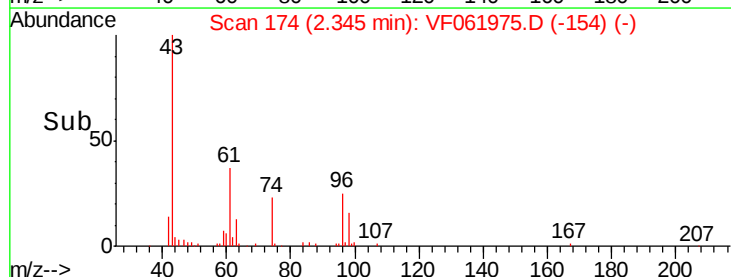
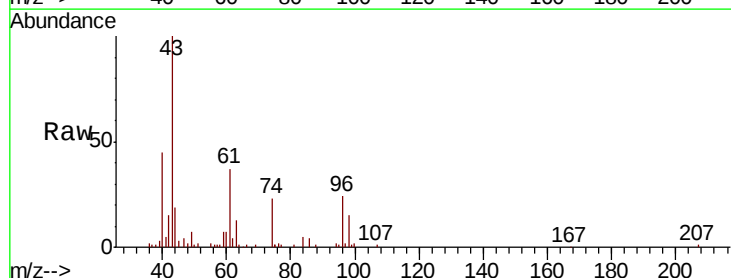
Acq: 16 Mar 2019 12:08

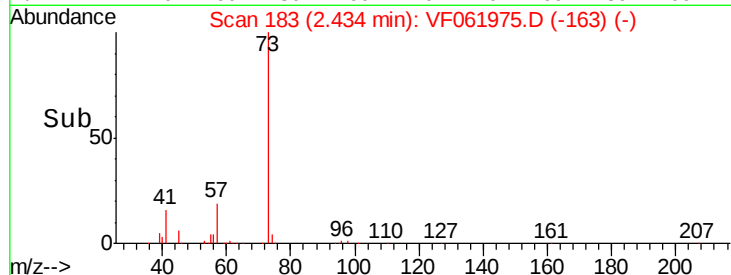
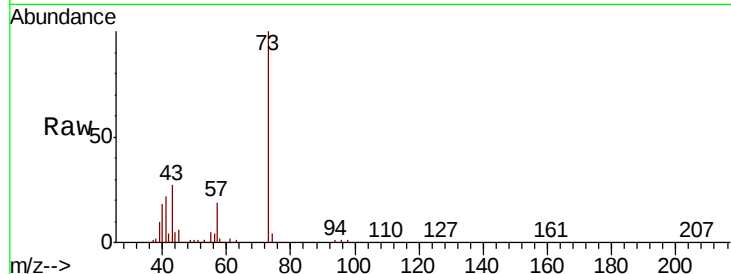
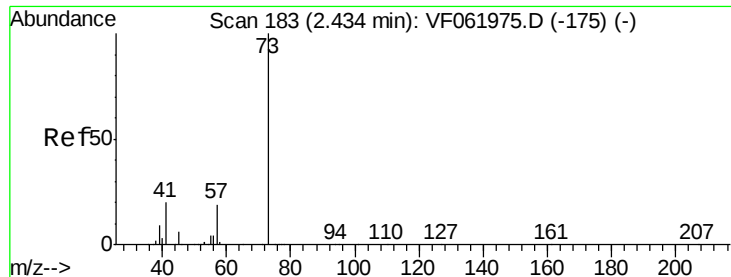
Tgt Ion: 43 Resp: 50157

Ion Ratio Lower Upper

43 100

74 22.9 18.3 27.5





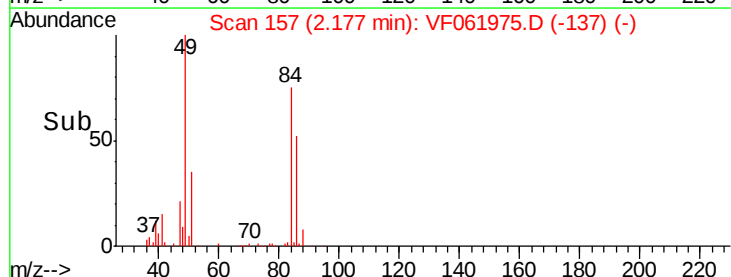
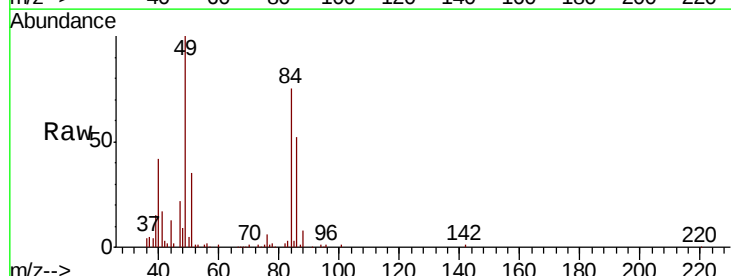
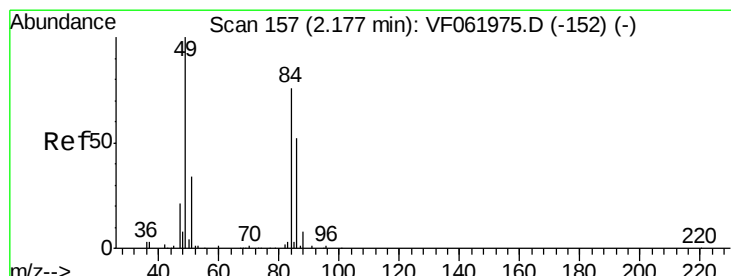
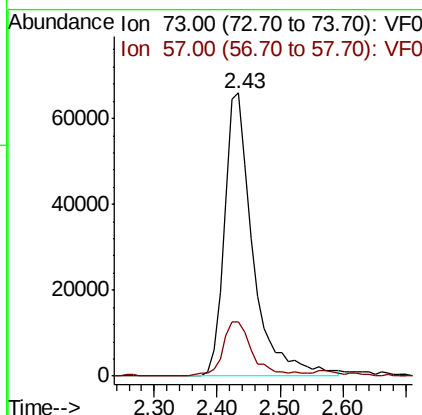
#19
Methyl tert-butyl Ether
Concen: 51.632 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.1	15.3	22.9

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

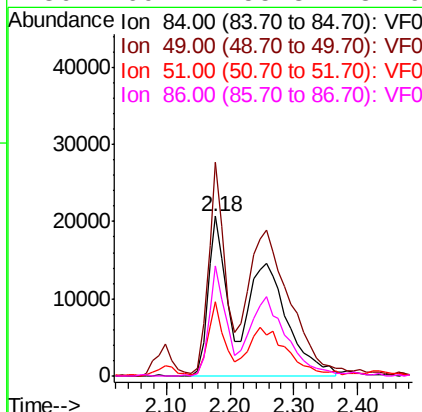
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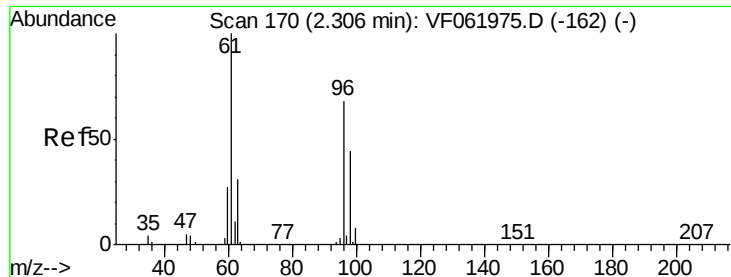
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#20
Methylene Chloride
Concen: 47.942 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.8	107.0	160.6
51	46.5	37.2	55.8
86	69.1	55.3	82.9





#21

trans-1,2-Dichloroethene

Concen: 50.426 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

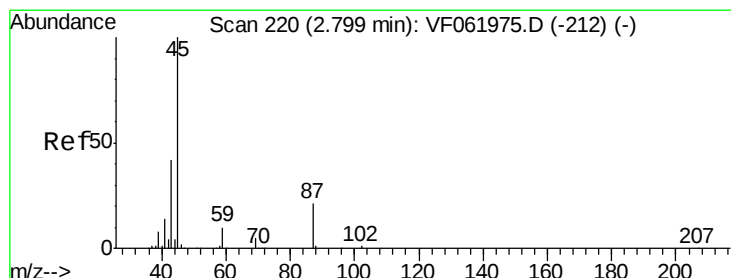
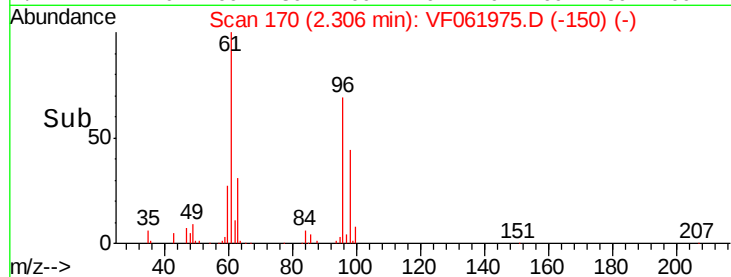
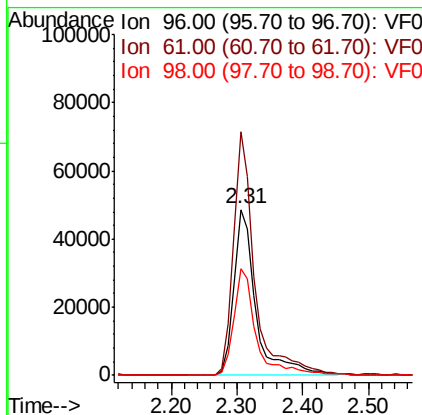
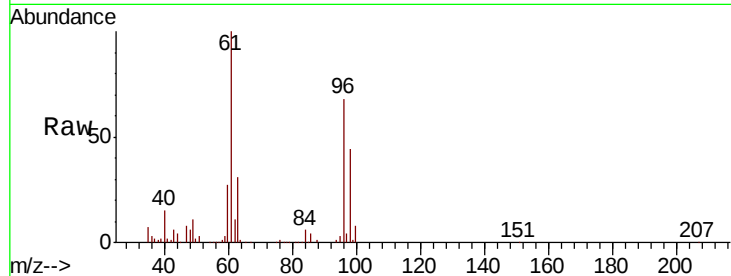
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	115631
Ion	Ratio	Lower	Upper
96	100		
61	146.8	117.4	176.2
98	64.0	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.055 ug/l

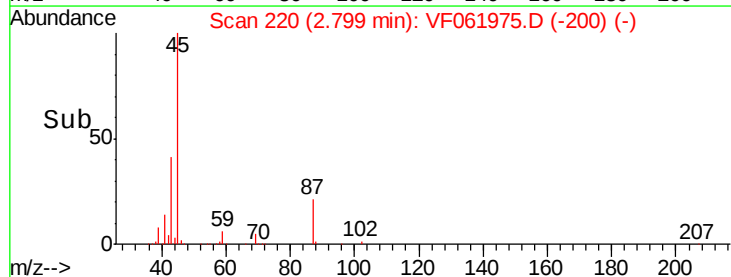
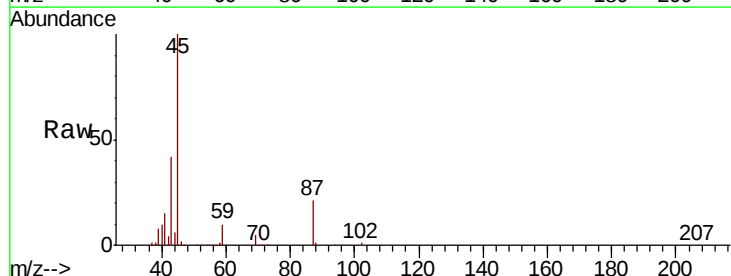
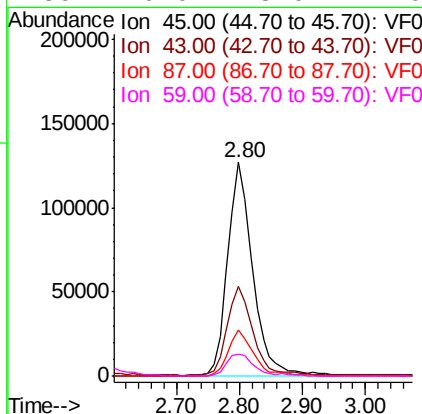
RT: 2.80 min Scan# 220

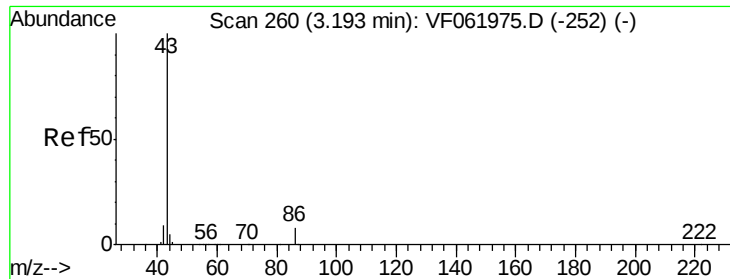
Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Tgt Ion:	45	Resp:	351206
Ion	Ratio	Lower	Upper
45	100		
43	42.1	33.7	50.5
87	21.4	17.1	25.7
59	10.0	8.0	12.0





#23

Vinyl Acetate

Concen: 260.426 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 692646

Ion Ratio Lower Upper

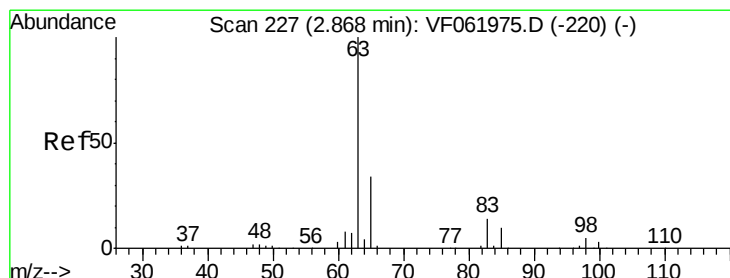
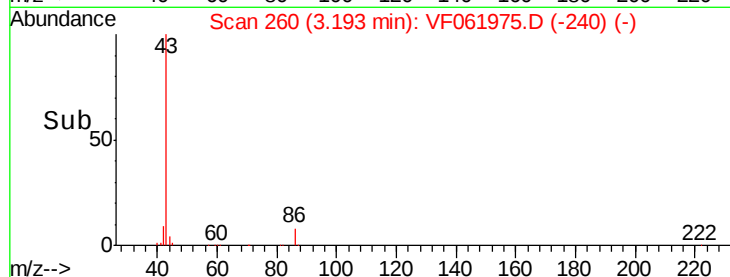
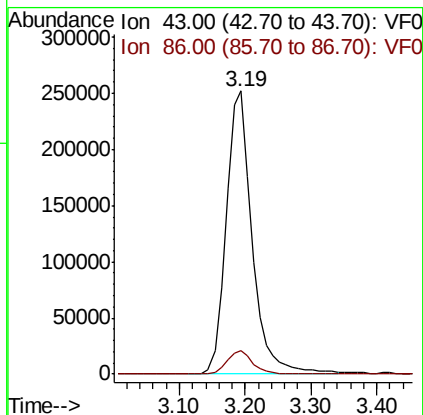
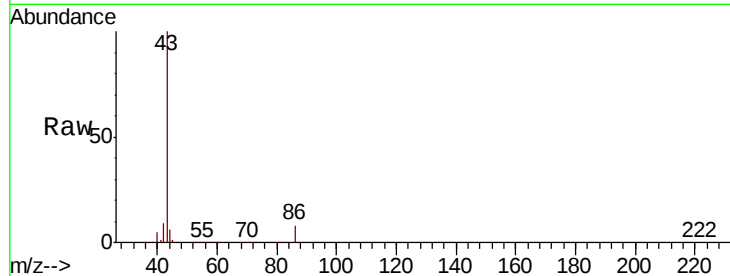
43 100

86 8.1 6.5 9.7

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 51.039 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

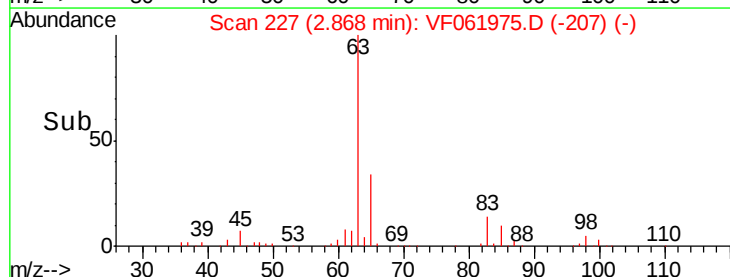
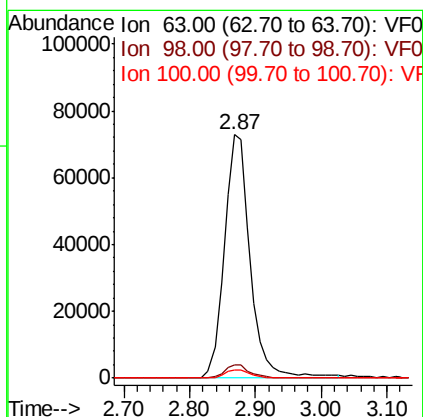
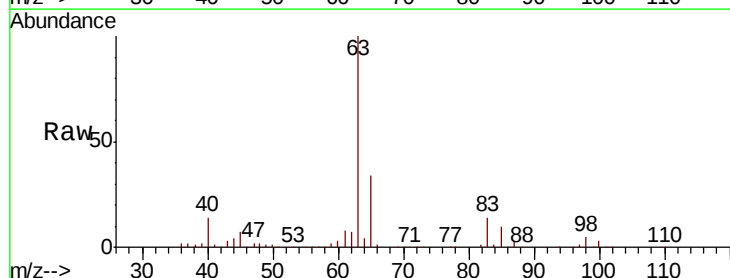
Tgt Ion: 63 Resp: 200226

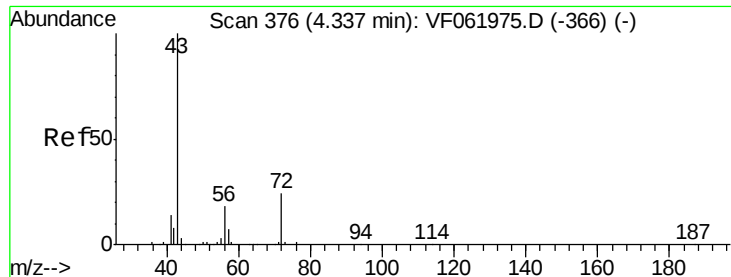
Ion Ratio Lower Upper

63 100

98 5.4 2.7 8.1

100 3.3 1.7 5.0





#25

2-Butanone

Concen: 249.281 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 207766

Ion Ratio Lower Upper

43 100

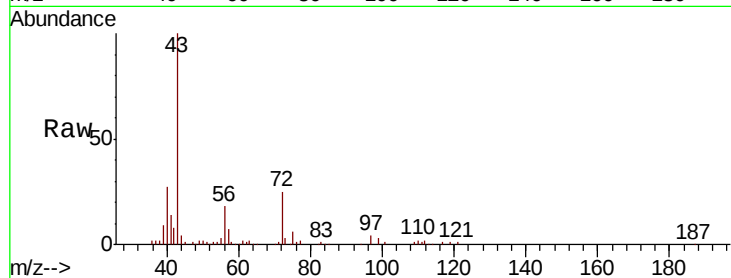
72 24.7 19.8 29.6

Manual Integrations

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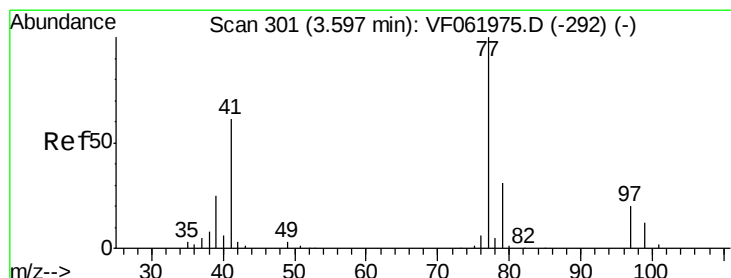
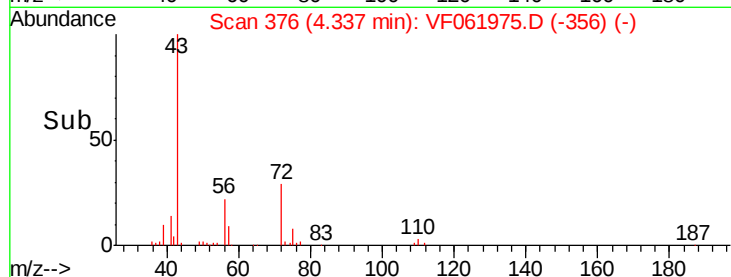
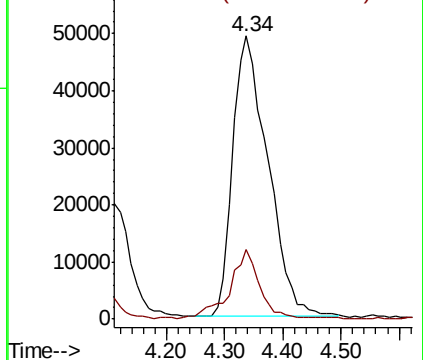
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 50.540 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.00 min

Lab File: VF061975.D

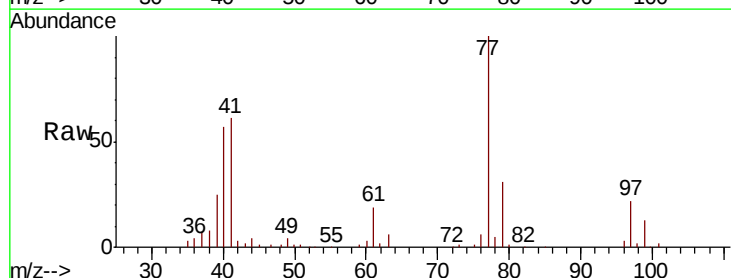
Acq: 16 Mar 2019 12:08

Tgt Ion: 77 Resp: 93520

Ion Ratio Lower Upper

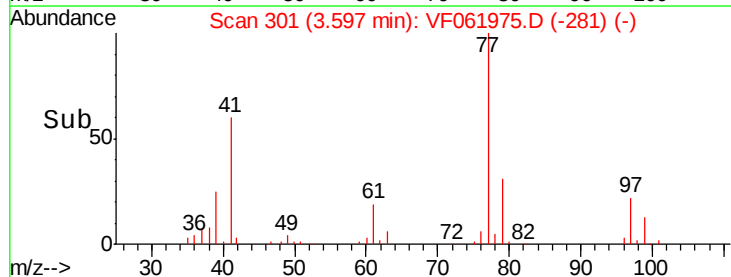
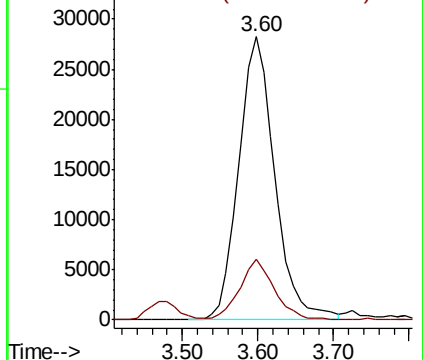
77 100

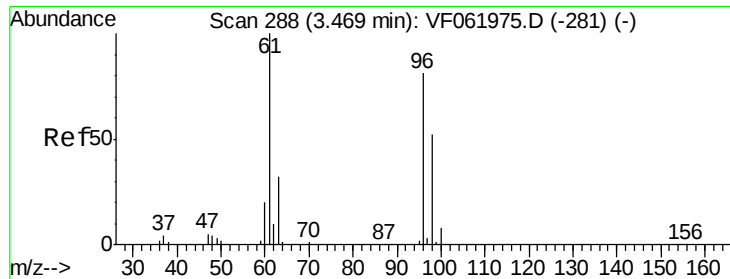
97 21.6 10.8 32.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

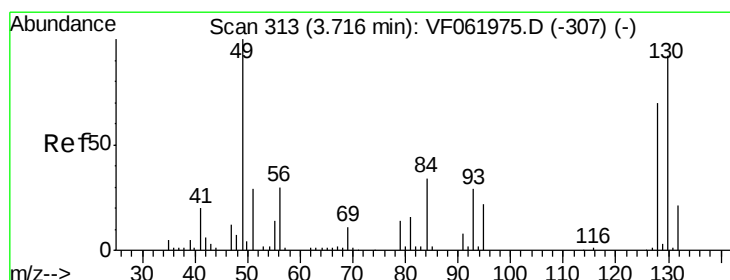
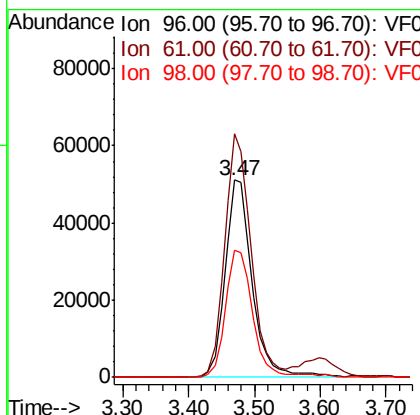
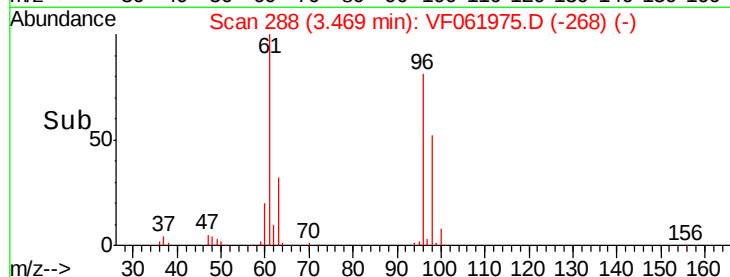
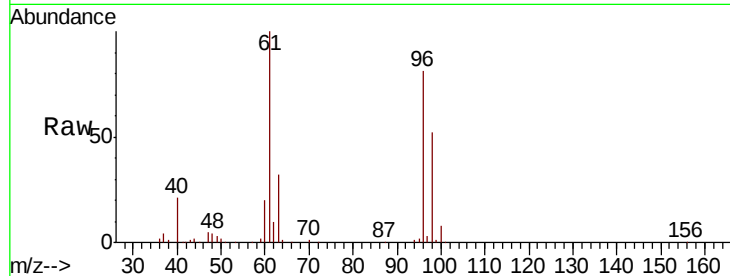
cis-1,2-Dichloroethene
Concen: 50.988 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	147369		
61	123.3	0.0	246.6	
98	64.6	0.0	129.2	

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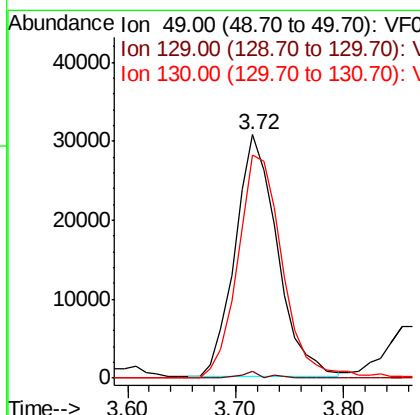
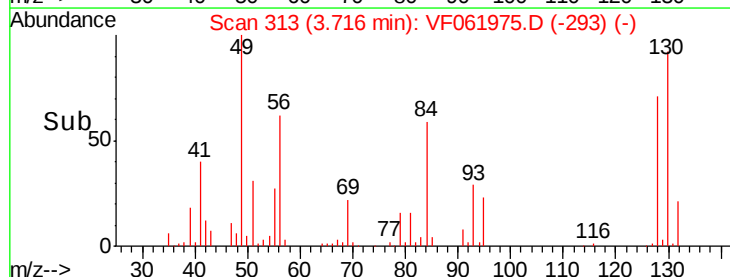
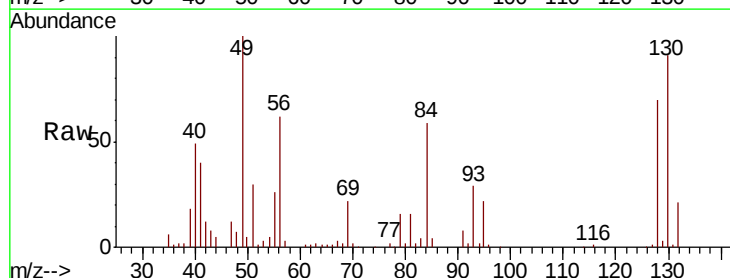
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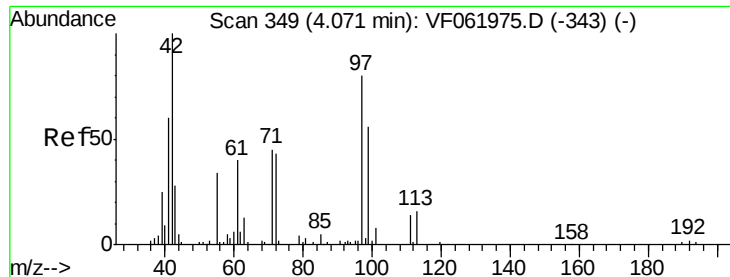


#28

Bromochloromethane
Concen: 51.671 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	84110		
129	2.9	0.0	5.8	
130	91.4	73.1	109.7	





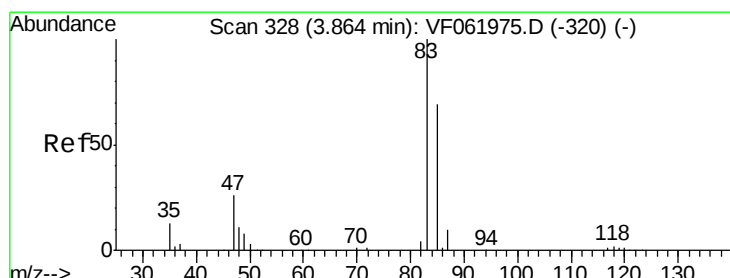
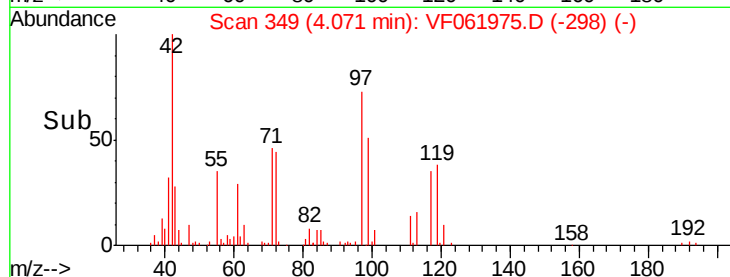
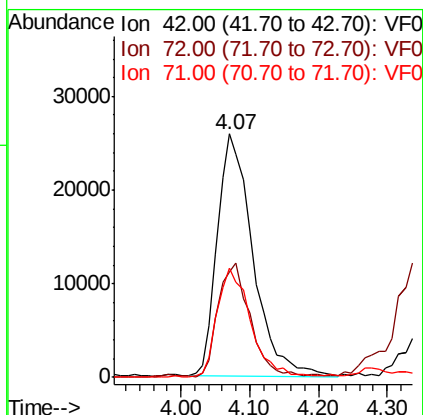
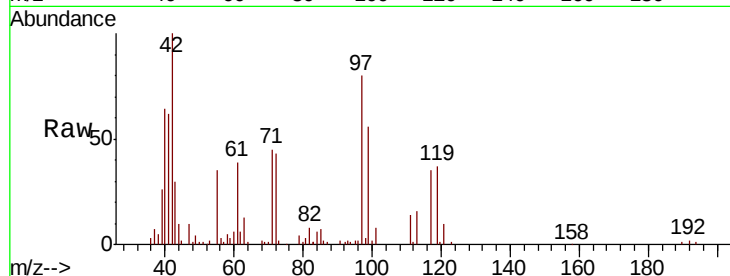
#29
Tetrahydrofuran
Concen: 257.270 ug/l
RT: 4.07 min Scan# 349
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.0	51.0
71	42.8	34.2	51.4

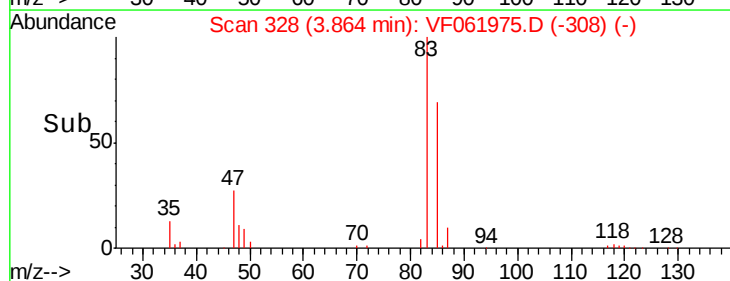
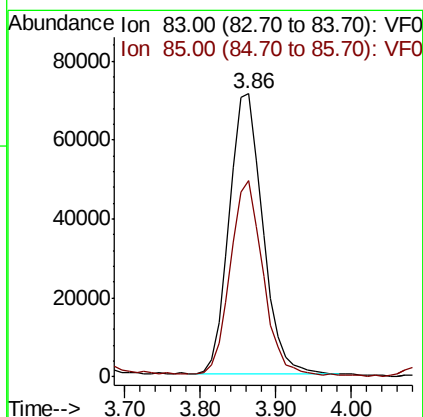
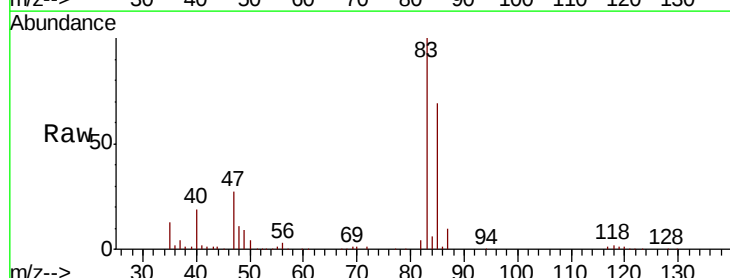
Manual Integrations
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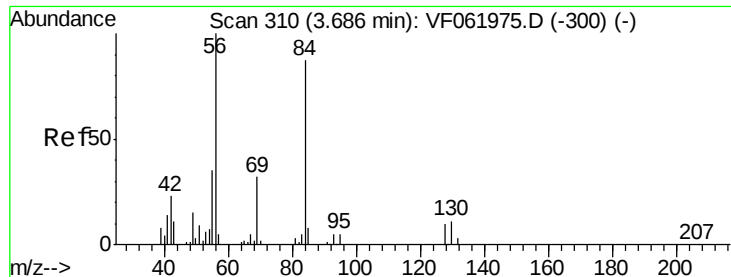
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#30
Chloroform
Concen: 49.181 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.4	55.5	83.3





#31

Cyclohexane

Concen: 50.831 ug/l

RT: 3.69 min Scan# 310

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

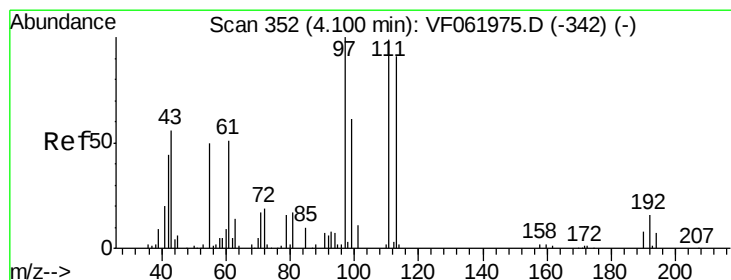
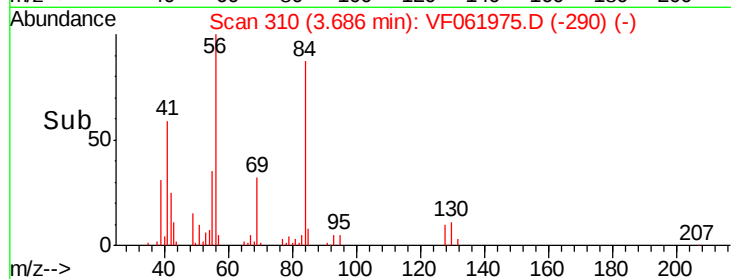
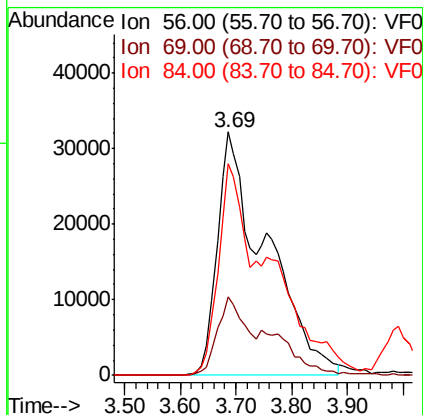
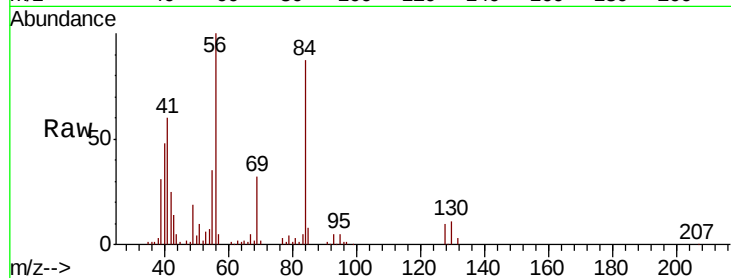
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	195369
Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.8	38.8
84	86.9	69.5	104.3

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#32

1,1,1-Trichloroethane

Concen: 50.531 ug/l

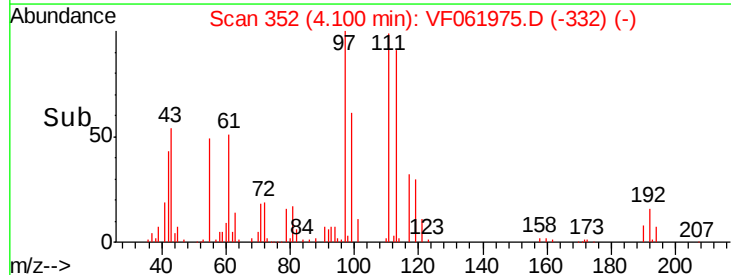
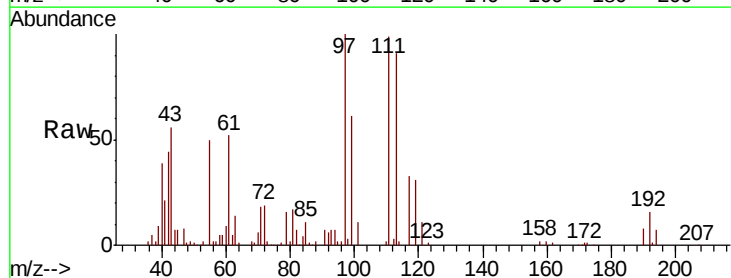
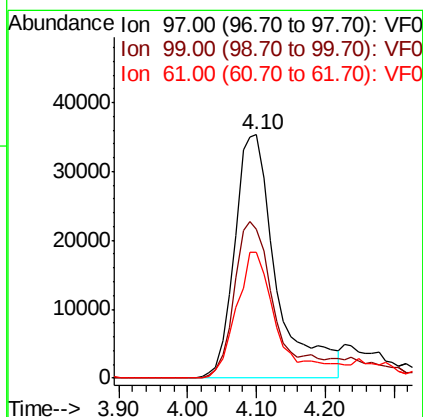
RT: 4.10 min Scan# 352

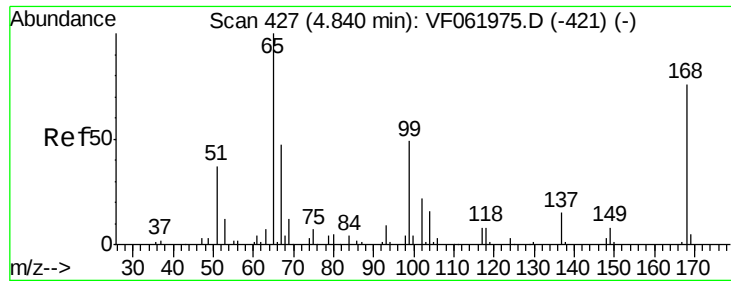
Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Tgt Ion:	97	Resp:	149163
Ion	Ratio	Lower	Upper
97	100		
99	61.2	49.0	73.4
61	51.7	41.4	62.0





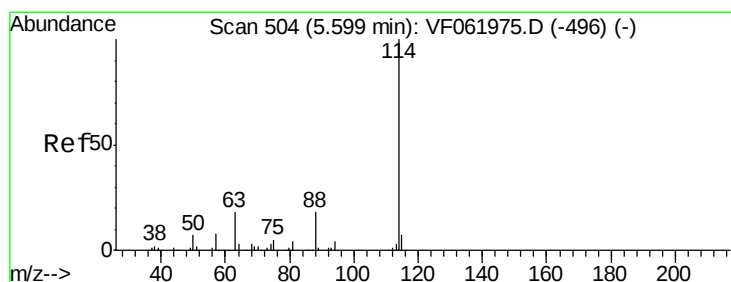
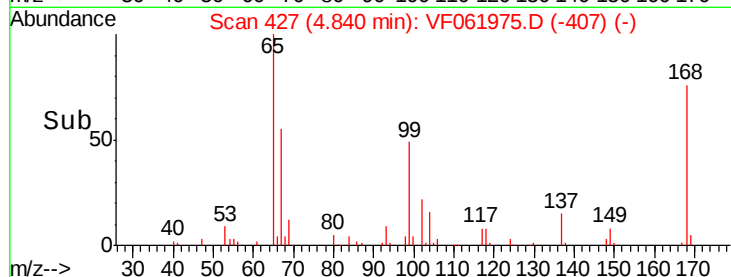
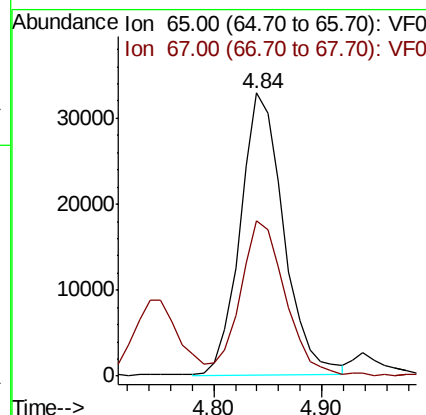
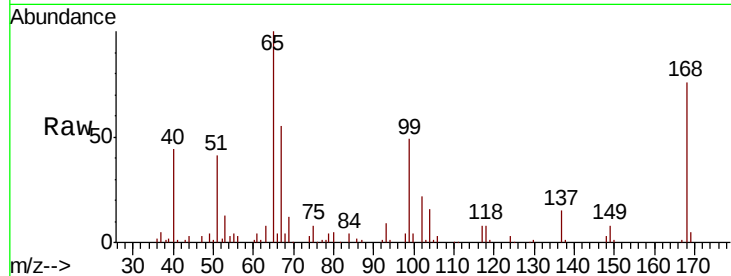
#33
 1,2-Dichloroethane-d4
 Concen: 48.825 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	109.4

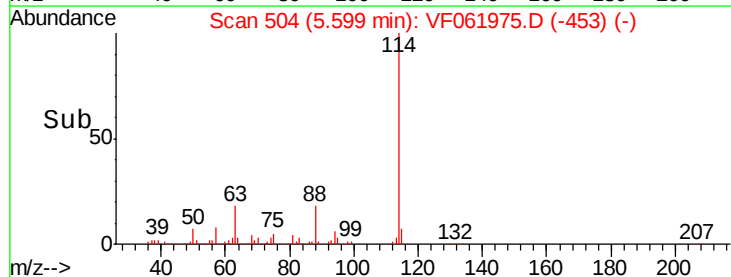
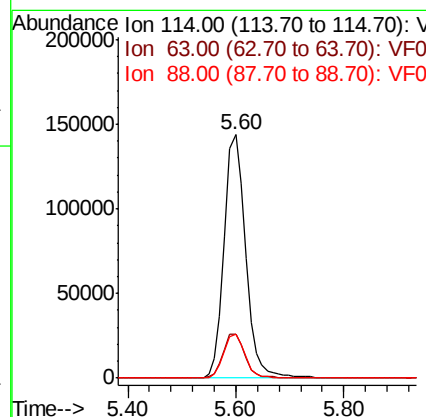
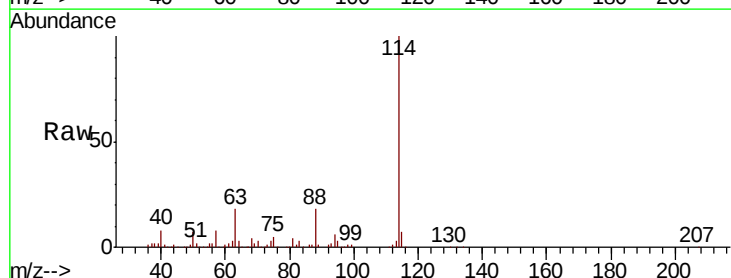
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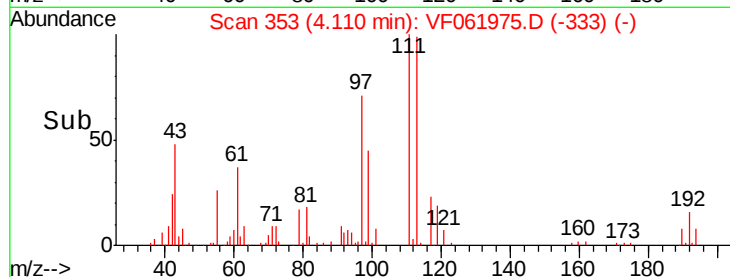
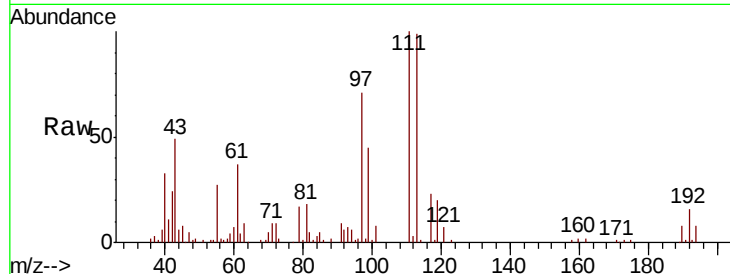
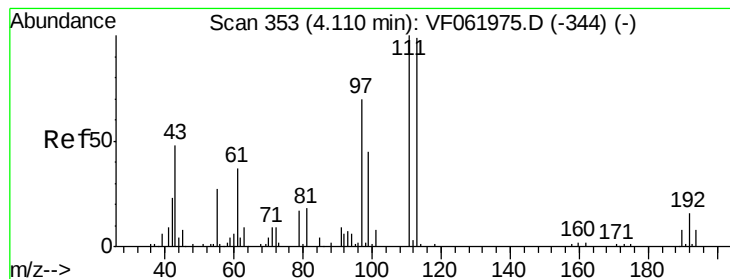
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

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





#35

Dibromofluoromethane

Concen: 47.408 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061975.D

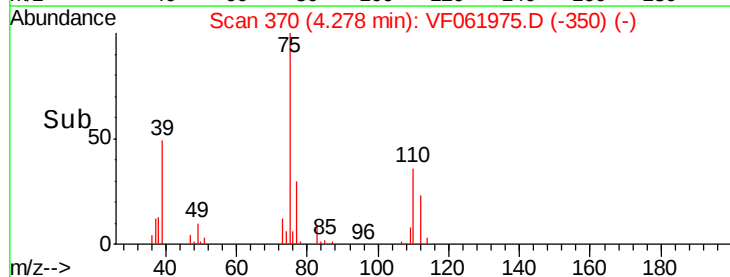
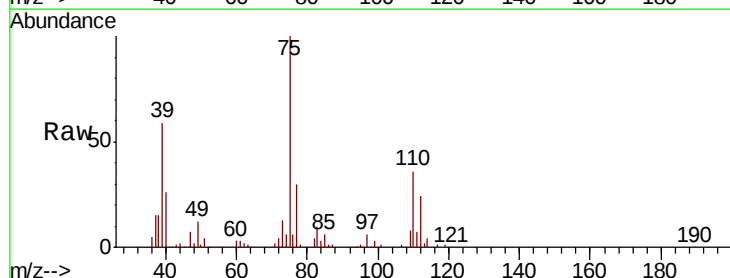
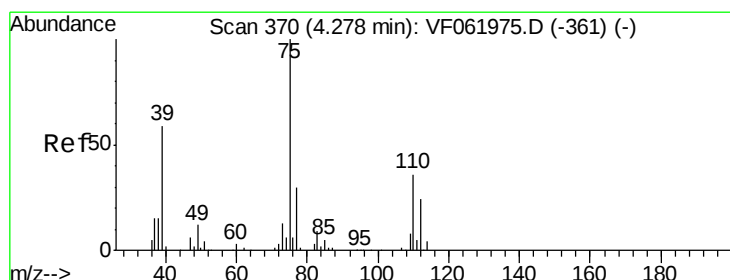
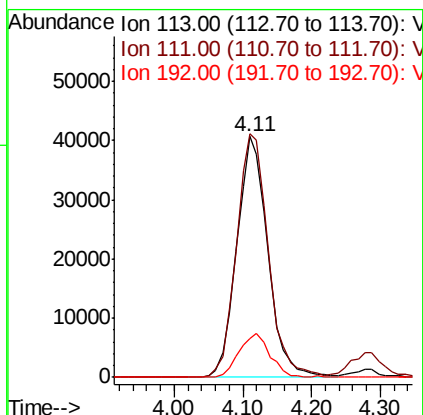
Acq: 16 Mar 2019 12:08

Tot Ion:	113	Resp:	127072
Ion Ratio	Lower	Upper	
113	100		
111	101.0	80.8	121.2
192	16.3	13.0	19.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.214 ug/l

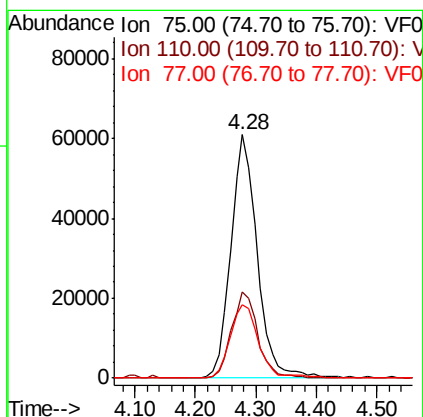
RT: 4.28 min Scan# 370

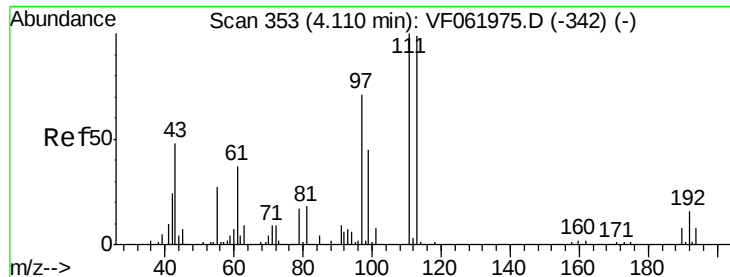
Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Tgt Ion:	75	Resp:	184604
Ion Ratio	Lower	Upper	
75	100		
110	35.5	17.8	53.3
77	30.2	24.2	36.2





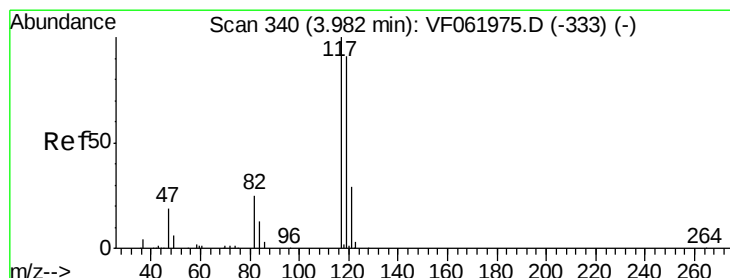
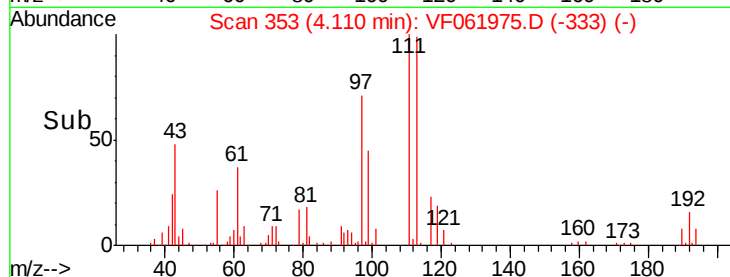
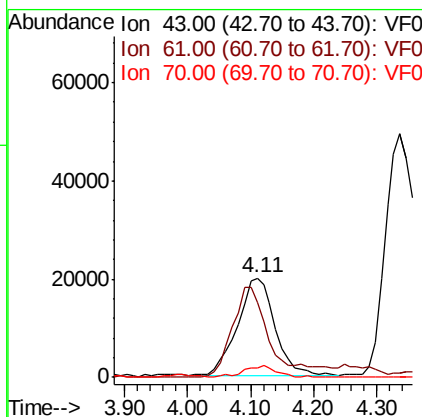
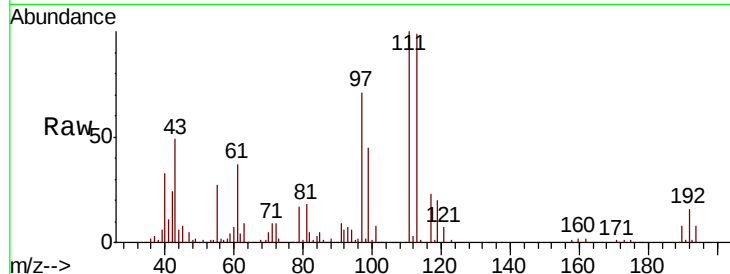
#37
Ethyl Acetate
Concen: 50.581 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
43	100						81864
61	74.7	59.8					89.6
70	9.8	7.8					11.8

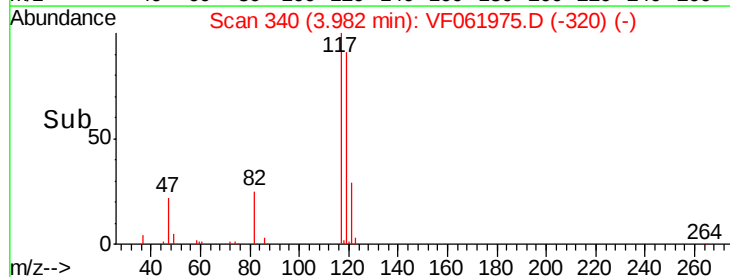
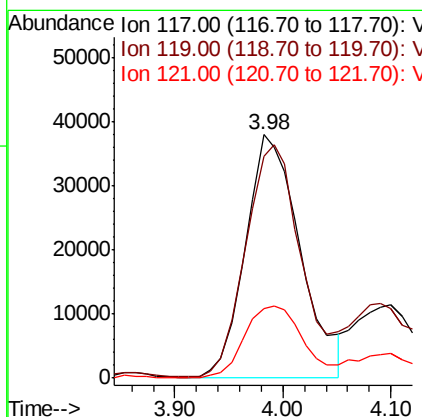
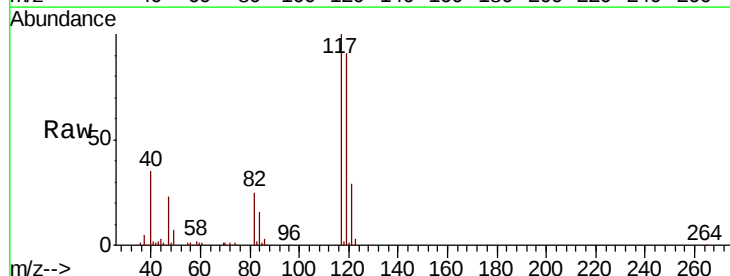
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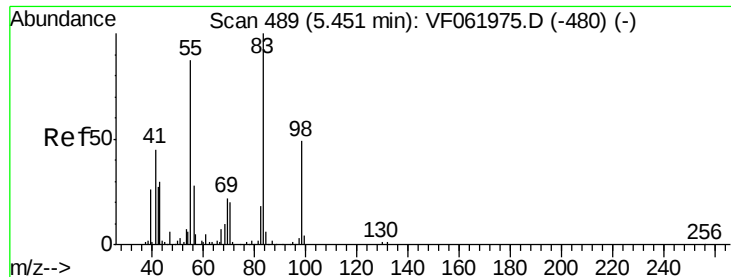
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#38
Carbon Tetrachloride
Concen: 50.675 ug/l
RT: 3.98 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
117	100						133494
119	91.2	73.0					109.4
121	28.8	23.0					34.6





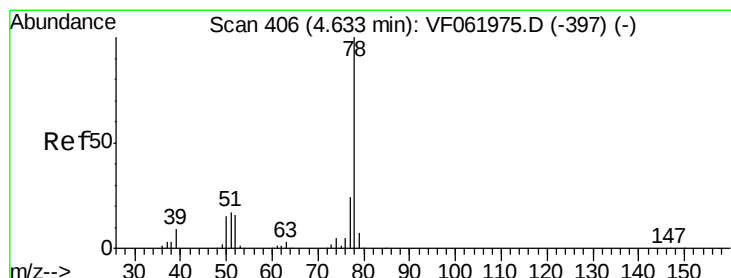
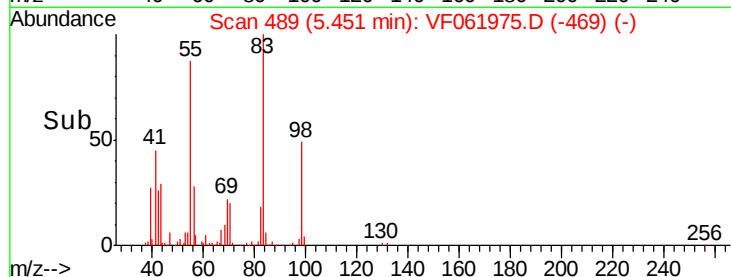
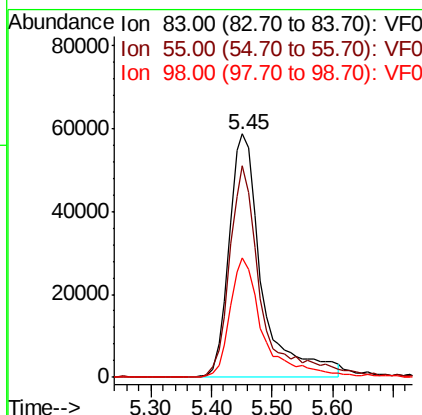
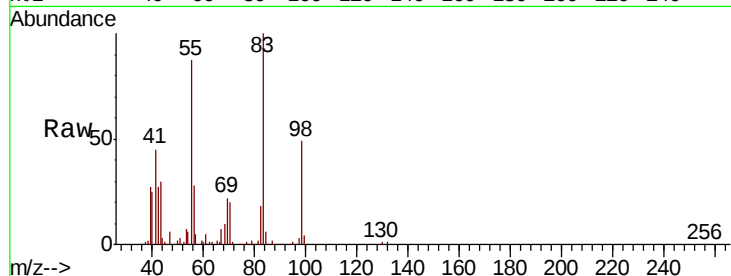
#39
Methvlcvclohexane
Concen: 52.327 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.1	69.7	104.5
98	49.2	39.4	59.0

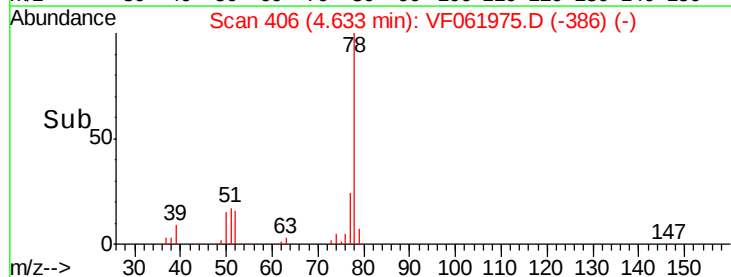
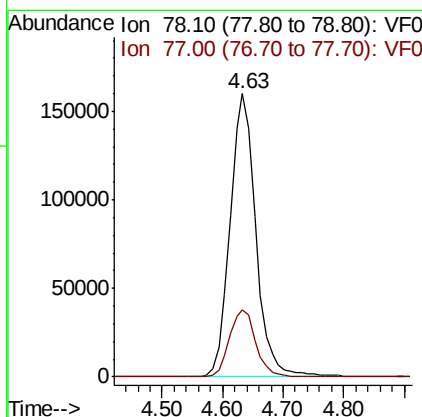
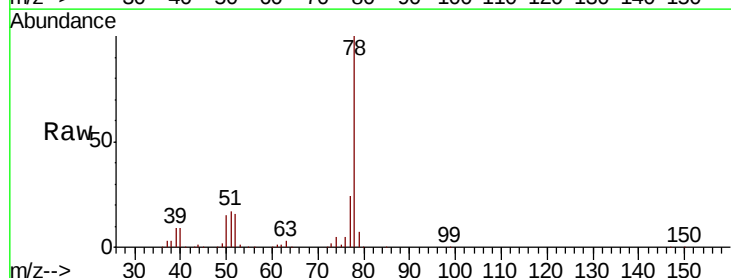
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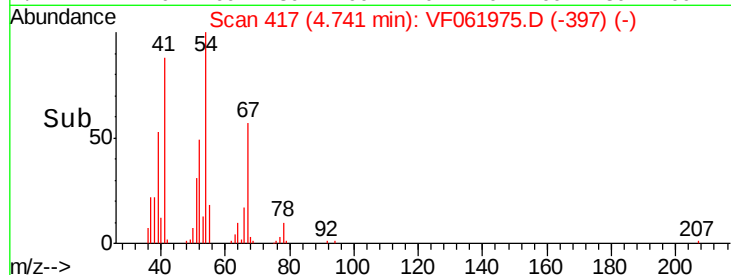
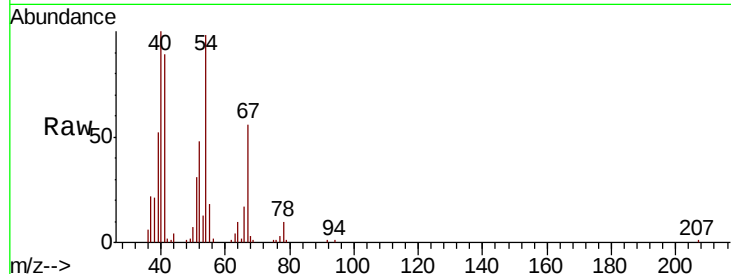
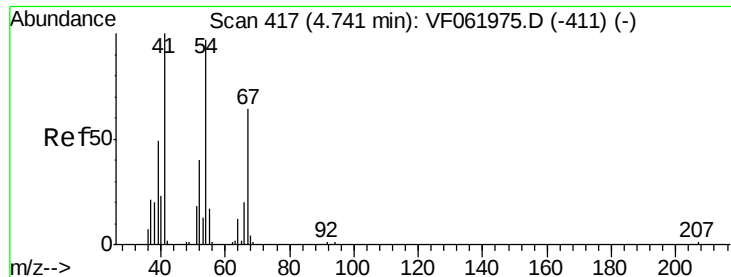
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#40
Benzene
Concen: 49.454 ug/l
RT: 4.63 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





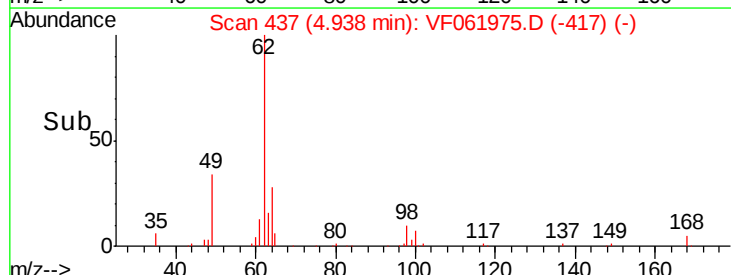
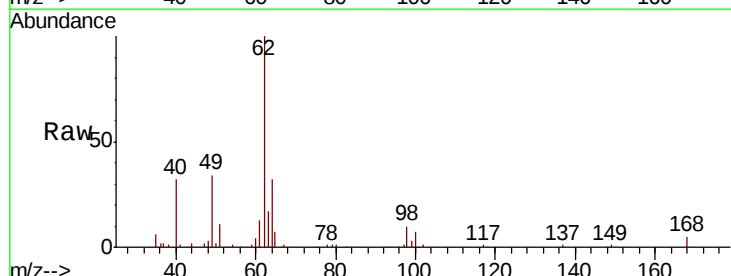
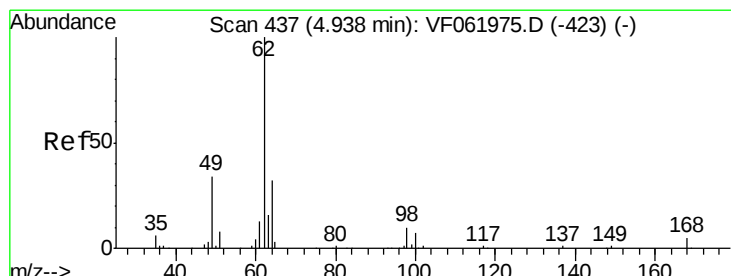
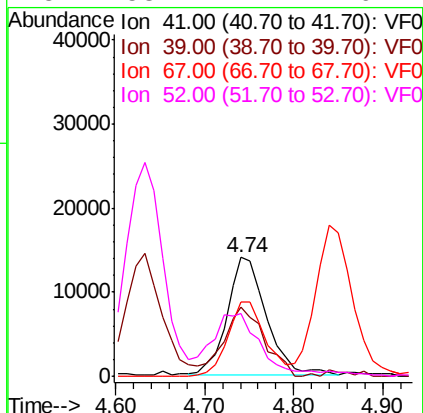
#41
Methacrylonitrile
Concen: 49.496 ug/l
RT: 4.74 min Scan# 417
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		42800		
39	57.8	46.2	69.4		
67	62.3	49.8	74.8		
52	53.4	42.7	64.1		

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

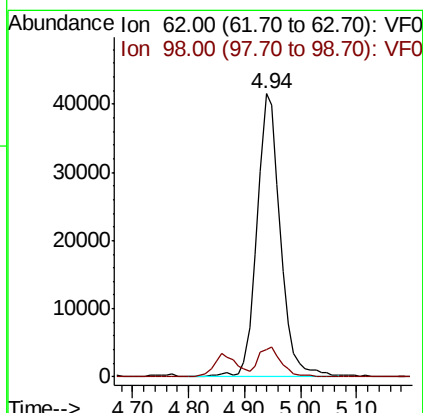
Manual Integrations
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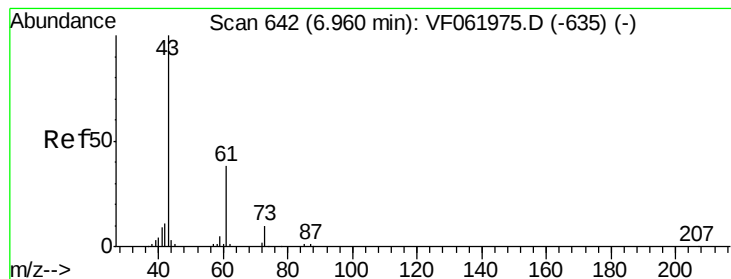
MMDadoda
3/22/2019 6:18:56 PM



#42
1,2-Dichloroethane
Concen: 50.462 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		119981		
98	9.9	0.0	19.8		





#43

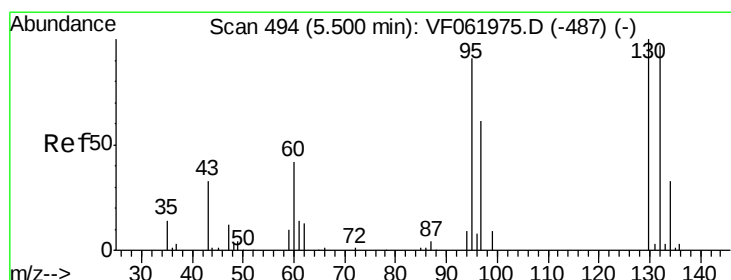
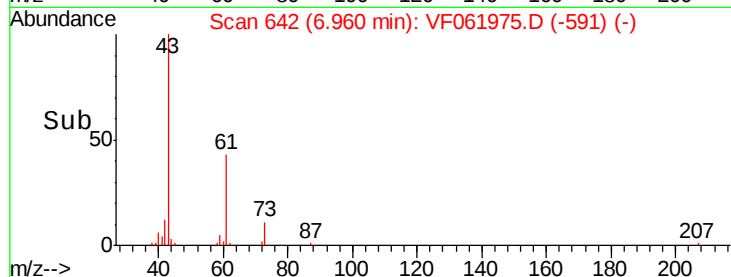
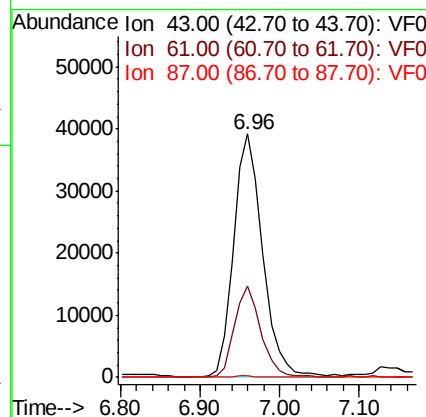
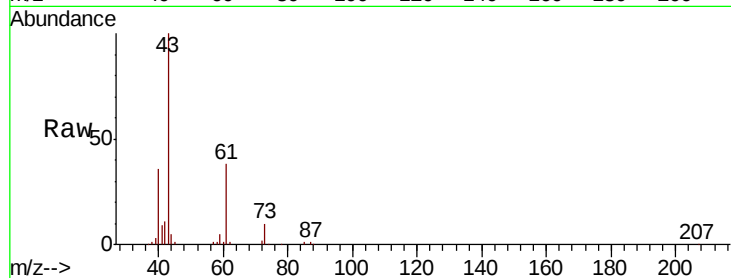
Isopropyl Acetate
 Concen: 51.846 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	37.6	30.1	45.1
87	0.5	0.4	0.6

Manual Integrations
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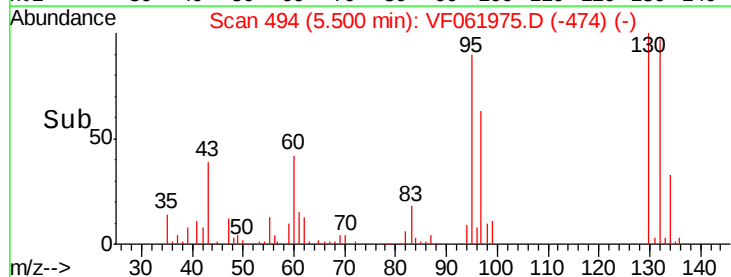
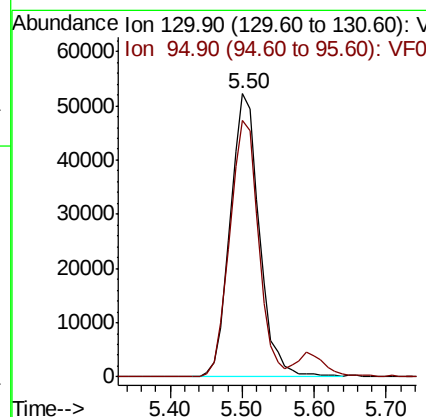
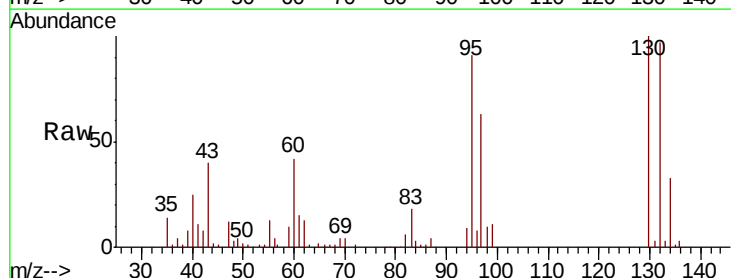
MMDadoda
 3/22/2019 6:18:56 PM

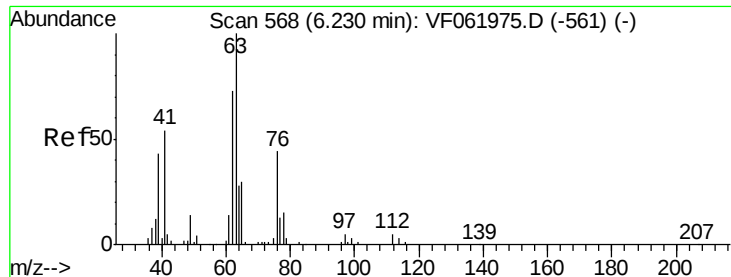


#44

Trichloroethene
 Concen: 50.156 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	181.4





#45

1,2-Dichloropropane

Concen: 52.190 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 117968

Ion Ratio Lower Upper

63 100

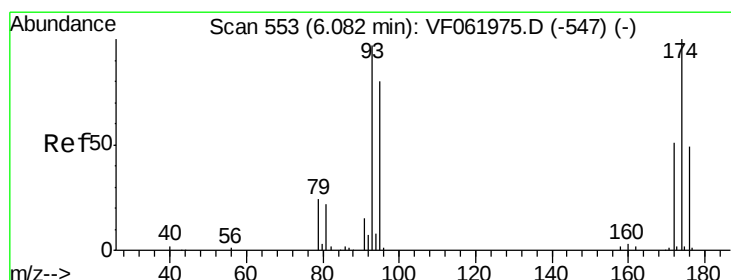
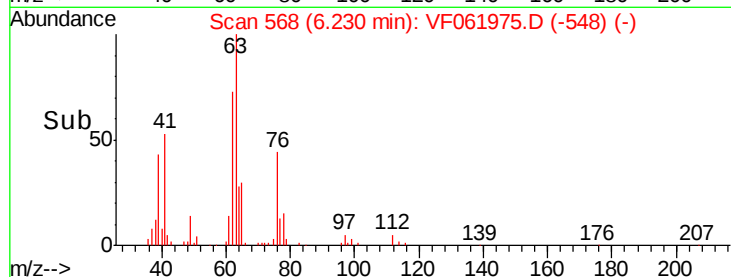
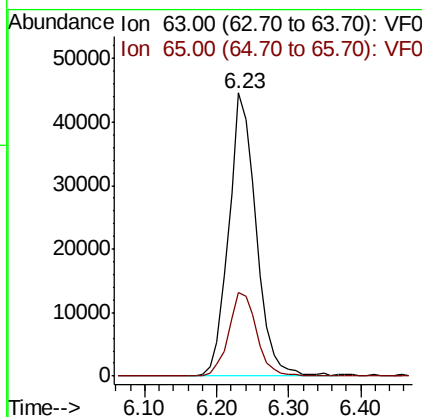
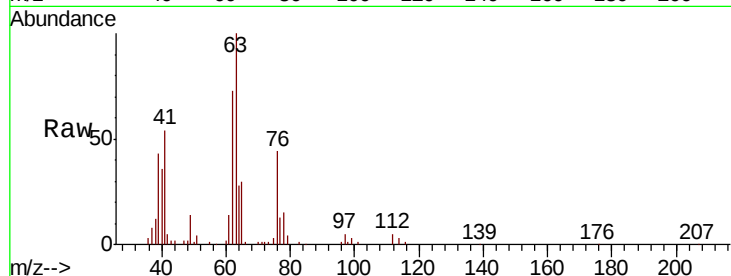
65 29.6 23.7 35.5

Manual Integrations

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#46

Dibromomethane

Concen: 53.479 ug/l

RT: 6.08 min Scan# 553

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

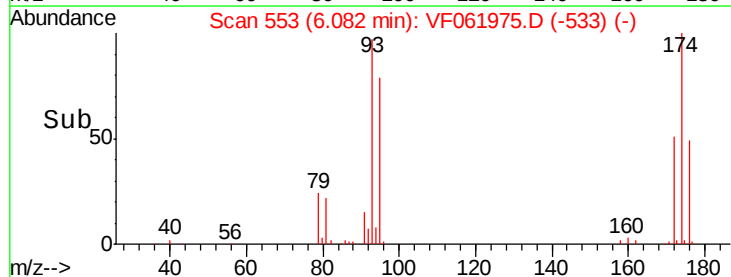
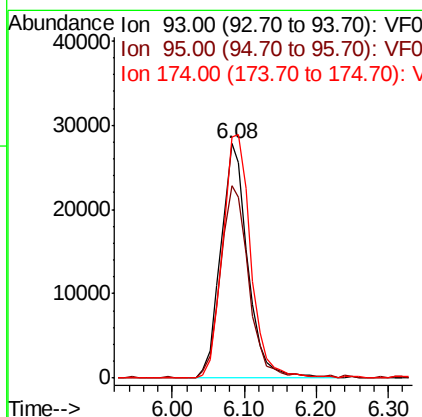
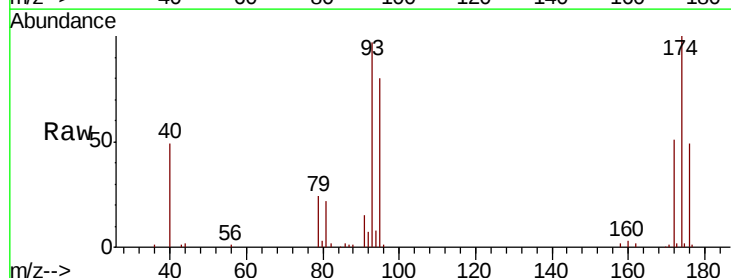
Tgt Ion: 93 Resp: 71910

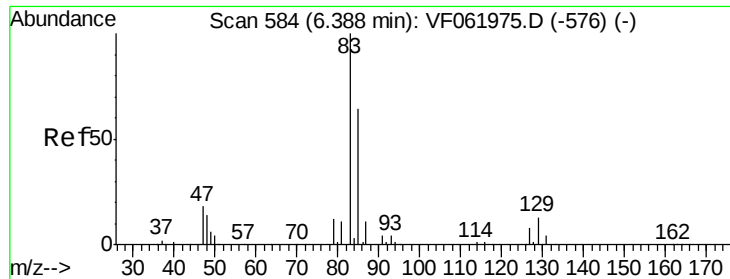
Ion Ratio Lower Upper

93 100

95 82.1 65.7 98.5

174 102.8 82.2 123.4





#47

Bromodichloromethane

Concen: 51.036 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

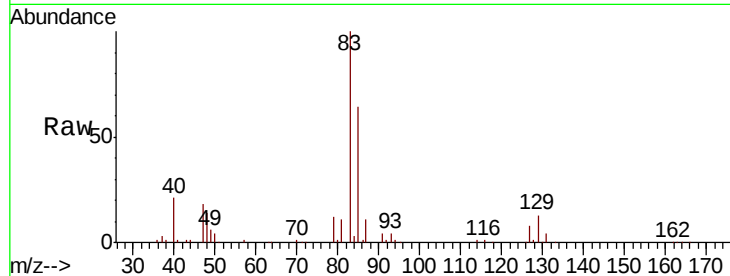
ClientSampleId :

VSTDICCC050

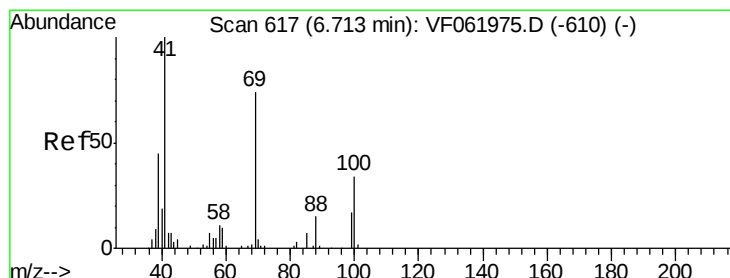
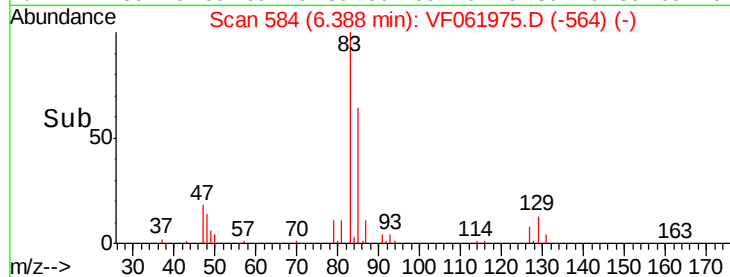
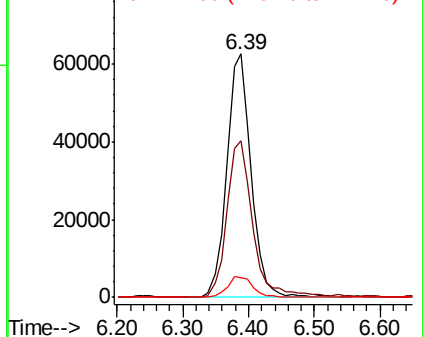
Tot Ion:	83	Resp:	161789
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.4	77.2
127	8.1	6.5	9.7

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 50.090 ug/l

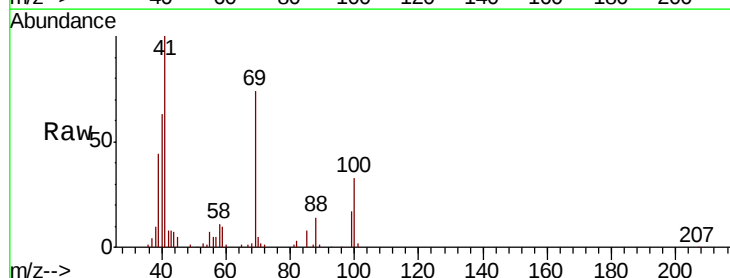
RT: 6.71 min Scan# 617

Delta R.T. 0.00 min

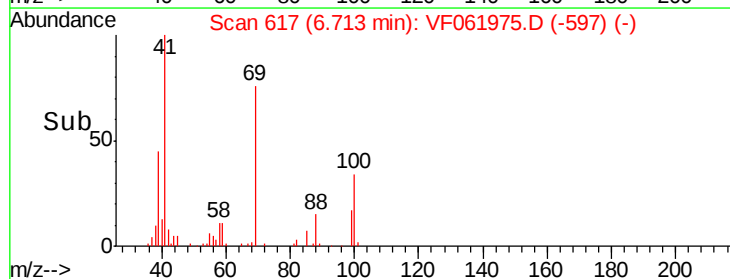
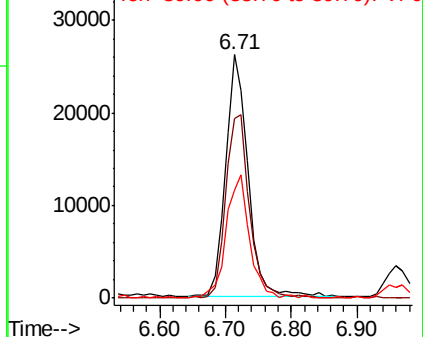
Lab File: VF061975.D

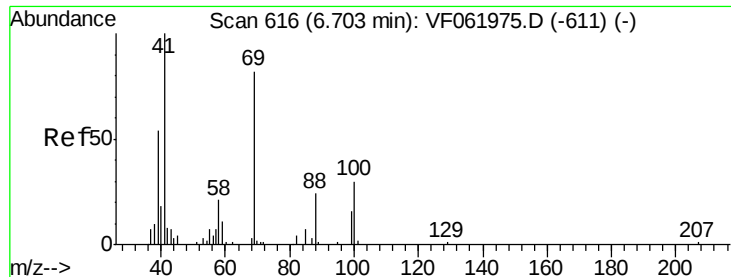
Acq: 16 Mar 2019 12:08

Tgt Ion:	41	Resp:	61992
Ion Ratio	Lower	Upper	
41	100		
69	73.8	59.0	88.6
39	44.5	35.6	53.4



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





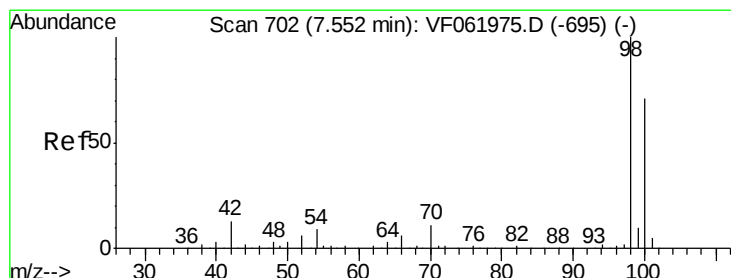
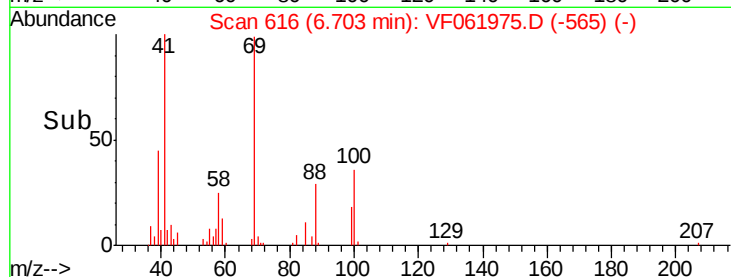
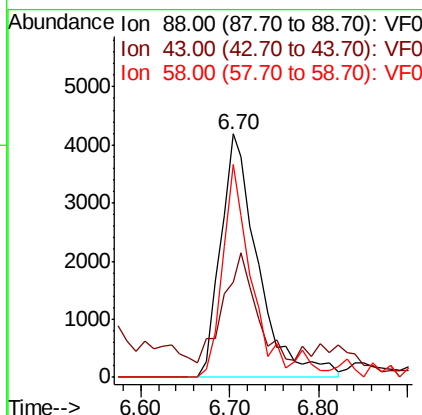
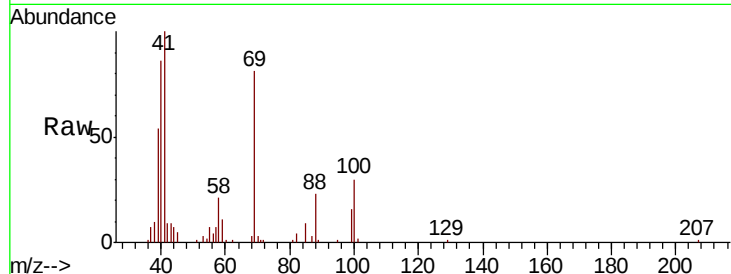
#49
1,4-Dioxane
Concen: 1112.958 ug/l
RT: 6.70 min Scan# 616
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.0	31.2	46.8
58	87.4	69.9	104.9

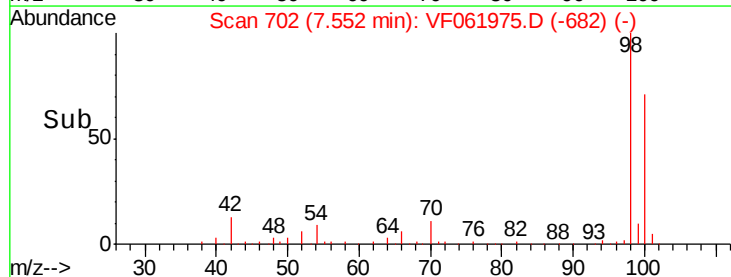
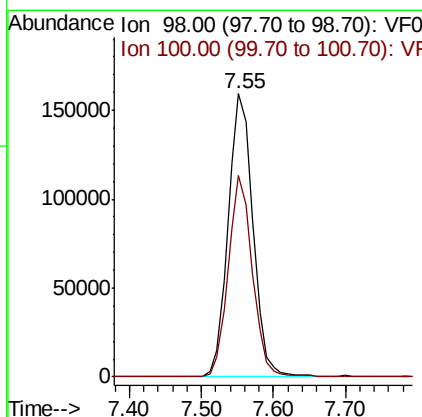
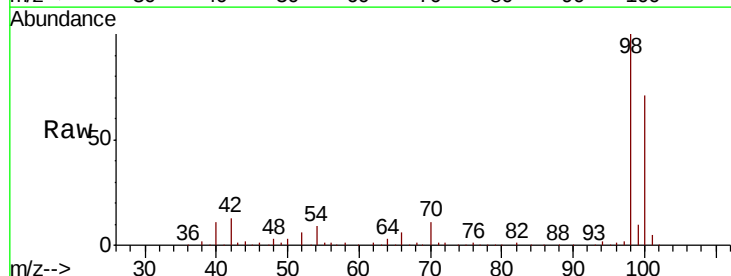
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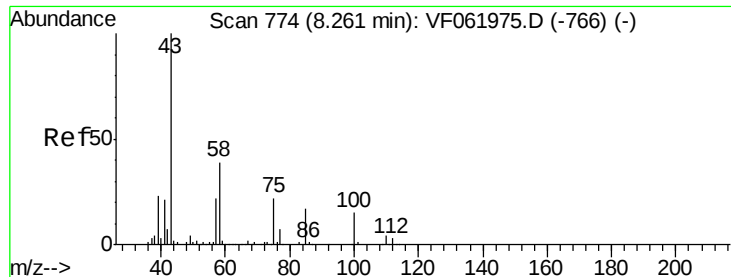
MMDadoda
3/22/2019 6:18:56 PM



#50
Toluene-d8
Concen: 48.814 ug/l
RT: 7.55 min Scan# 702
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.0	56.8	85.2





#51

4-Methyl-2-Pentanone

Concen: 260.935 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 354823

Ion Ratio Lower Upper

43 100

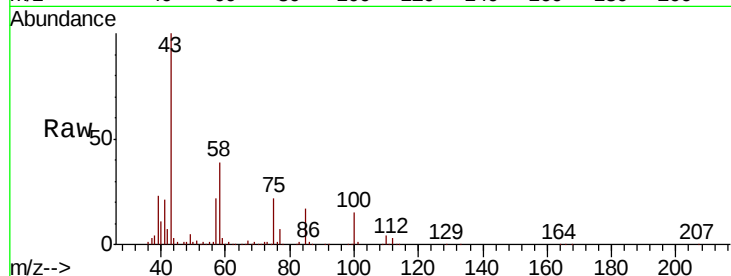
58 38.9 31.1 46.7

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

8.26

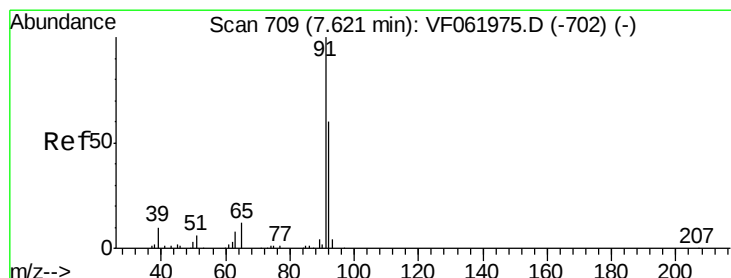
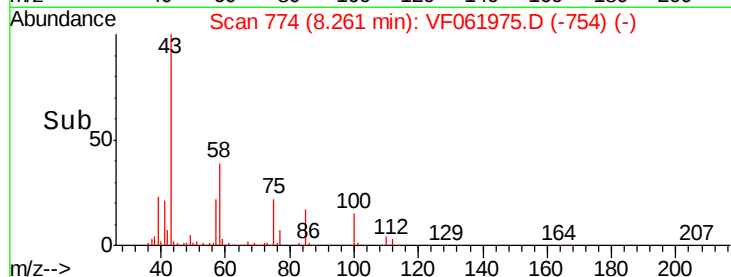
150000

100000

50000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 49.265 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061975.D

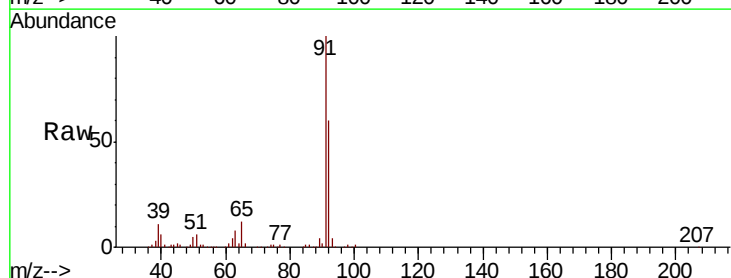
Acq: 16 Mar 2019 12:08

Tgt Ion: 92 Resp: 287504

Ion Ratio Lower Upper

92 100

91 167.5 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.62

200000

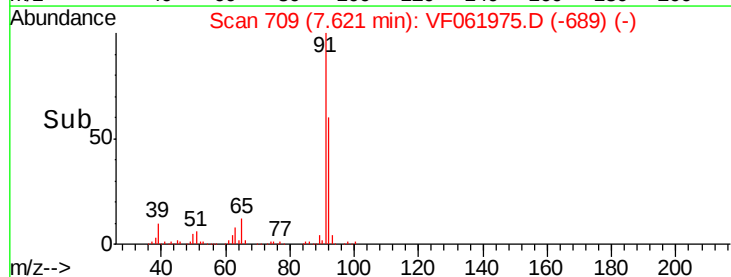
150000

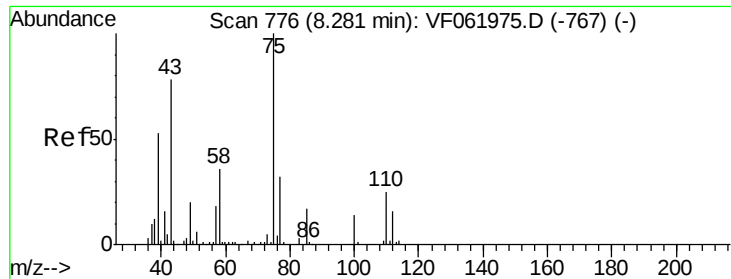
100000

50000

0

Time--> 7.50 7.60 7.70 7.80





#53

t-1,3-Dichloropropene

Concen: 52.281 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 139922

Ion Ratio Lower Upper

75 100

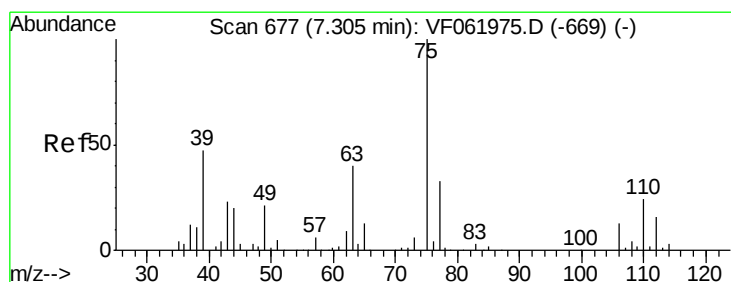
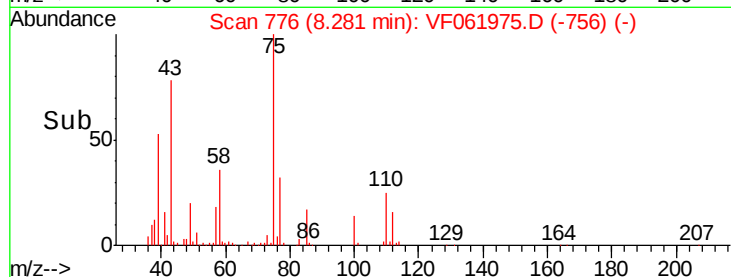
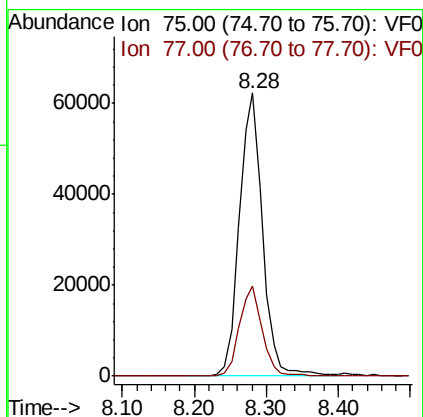
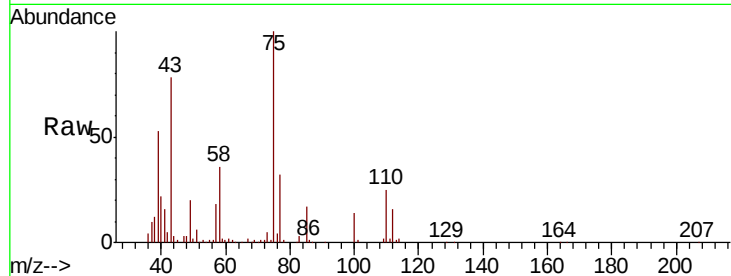
77 31.9 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.909 ug/l

RT: 7.30 min Scan# 677

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

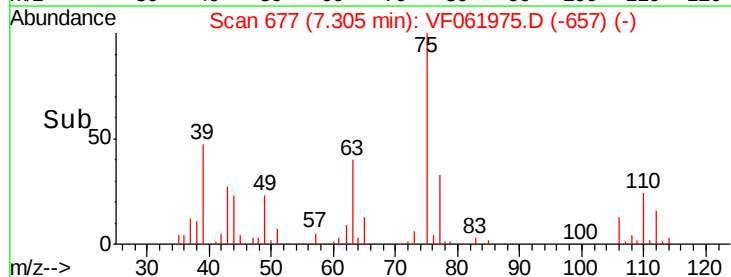
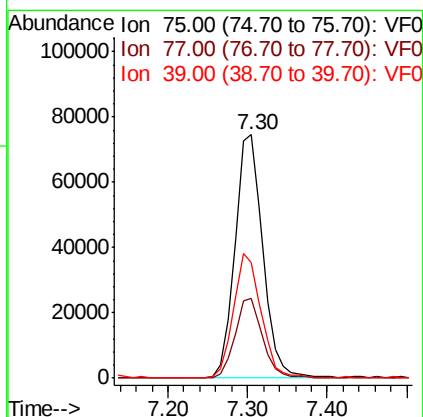
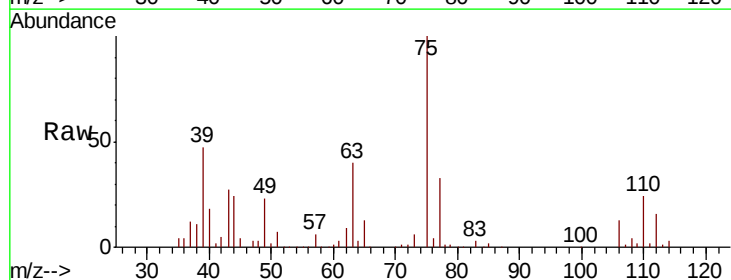
Tgt Ion: 75 Resp: 181271

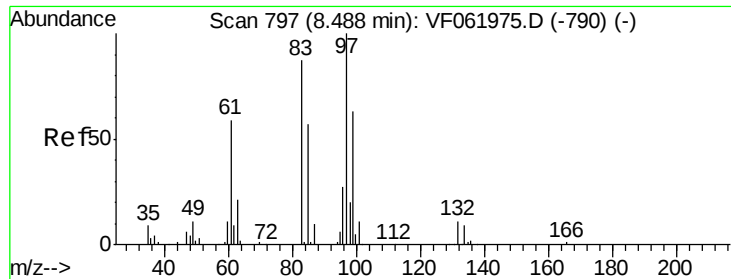
Ion Ratio Lower Upper

75 100

77 33.0 26.4 39.6

39 47.5 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 50.980 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

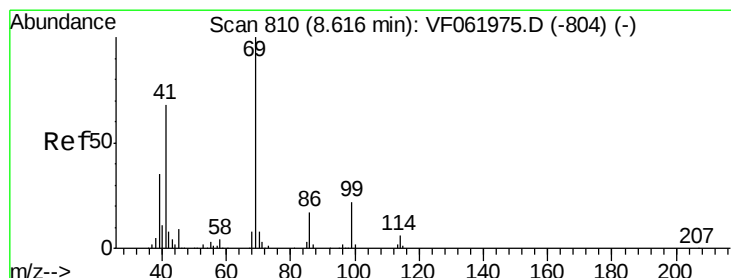
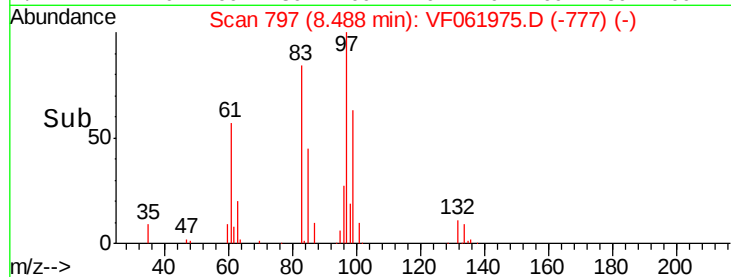
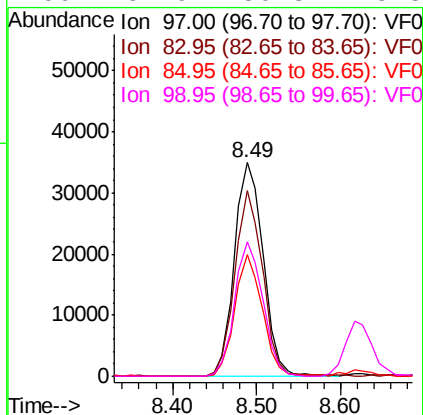
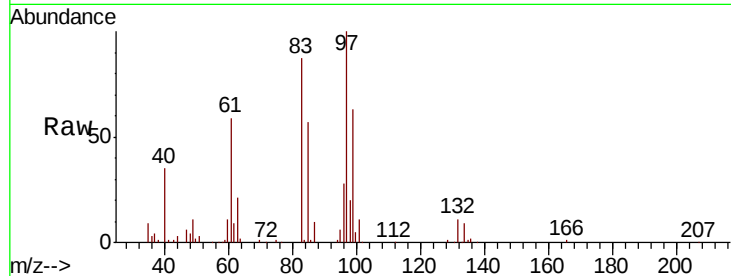
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	83034
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.7	104.5
85	57.2	45.8	68.6
99	62.9	50.3	75.5

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#56

Ethyl methacrylate

Concen: 51.499 ug/l

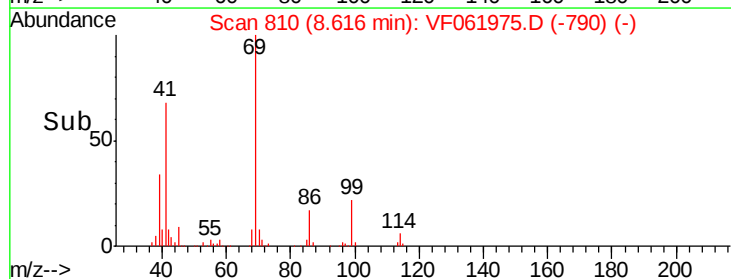
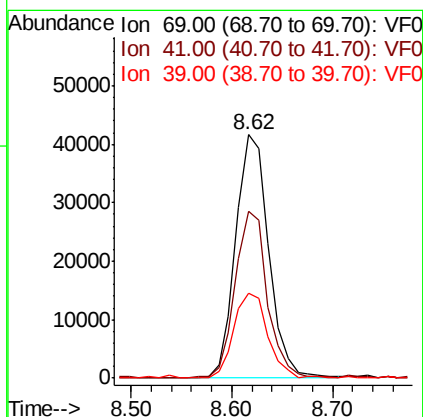
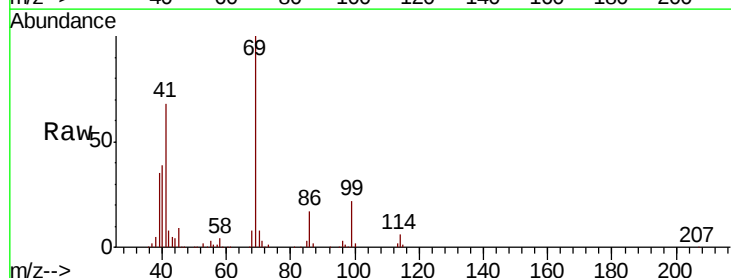
RT: 8.62 min Scan# 810

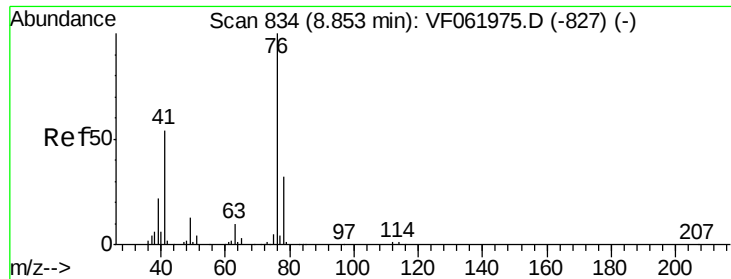
Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Tgt Ion:	69	Resp:	95351
Ion	Ratio	Lower	Upper
69	100		
41	68.4	54.7	82.1
39	34.9	27.9	41.9





#57

1,3-Dichloropropane

Concen: 53.537 ug/l

RT: 8.85 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 145459

Ion Ratio Lower Upper

76 100

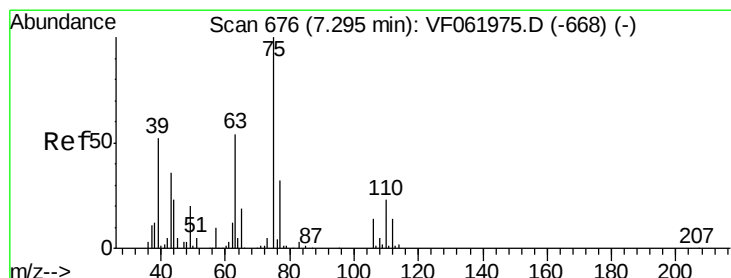
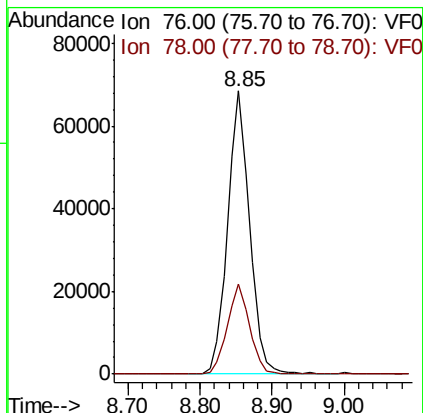
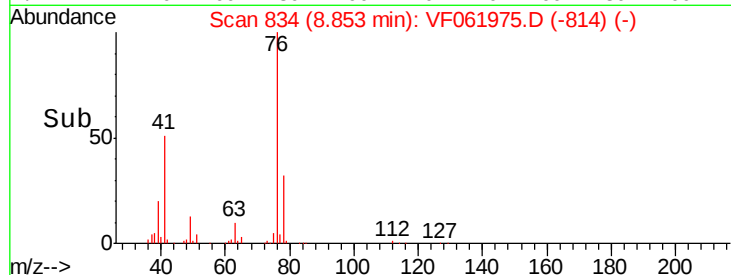
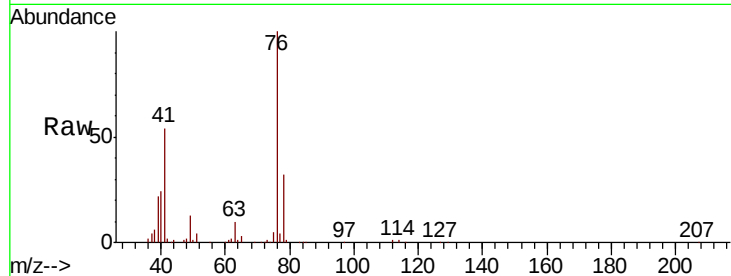
78 31.8 25.4 38.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 258.721 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.00 min

Lab File: VF061975.D

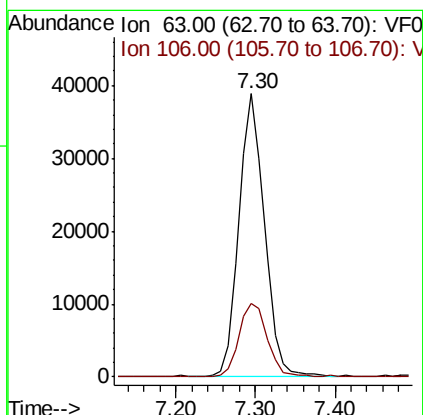
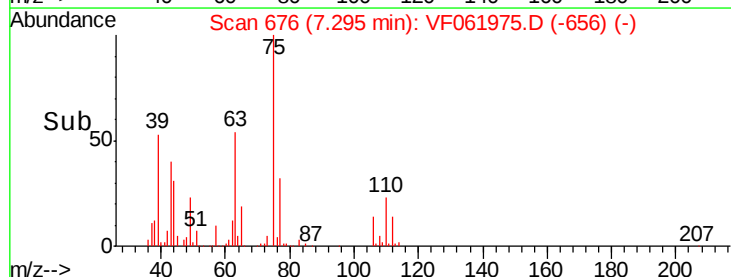
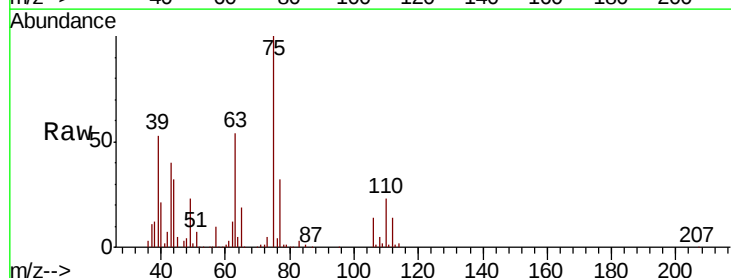
Acq: 16 Mar 2019 12:08

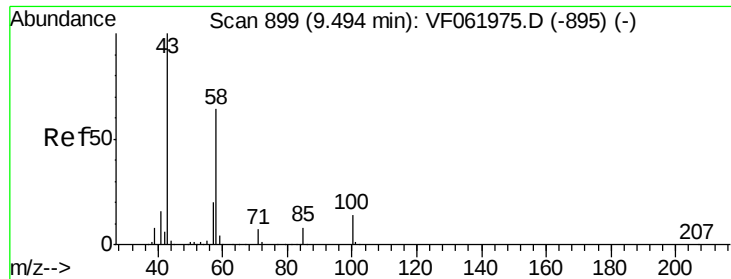
Tgt Ion: 63 Resp: 86765

Ion Ratio Lower Upper

63 100

106 26.1 20.9 31.3





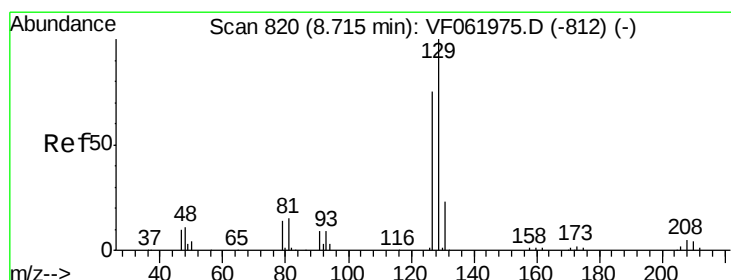
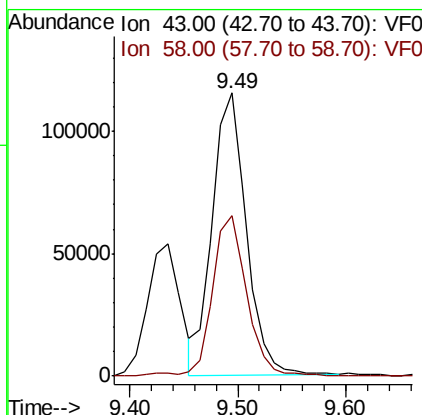
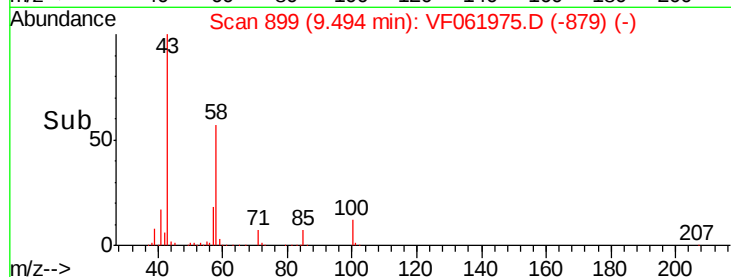
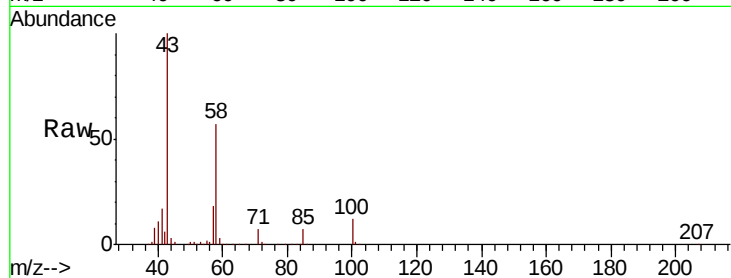
#59
2-Hexanone
Concen: 255.968 ug/l
RT: 9.49 min Scan# 899
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 251899
Ion Ratio Lower Upper
43 100
58 56.8 28.4 85.2

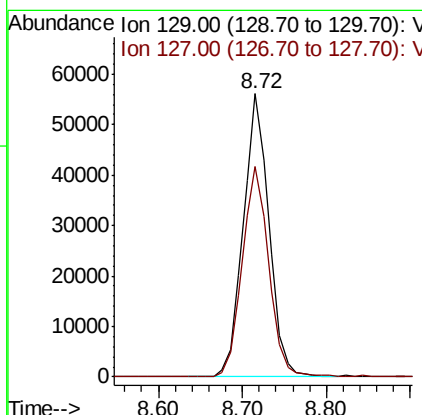
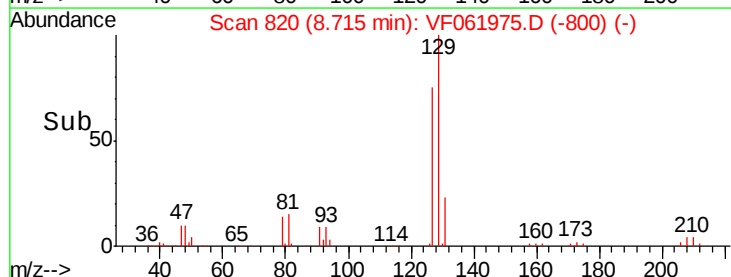
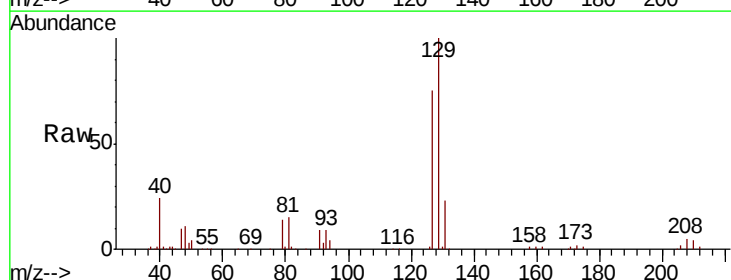
Manual Integrations
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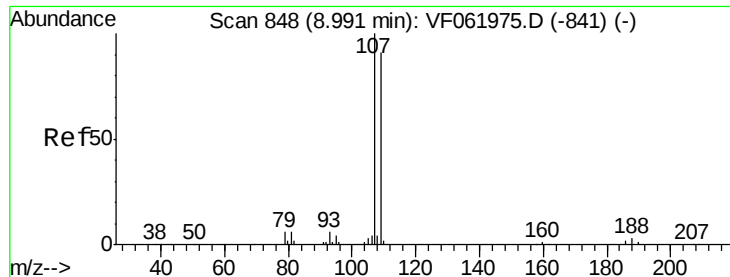
MMDadoda
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#60
Dibromochloromethane
Concen: 53.072 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion: 129 Resp: 120004
Ion Ratio Lower Upper
129 100
127 74.5 37.3 111.8





#61

1,2-Dibromoethane

Concen: 51.796 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 90493

Ion Ratio Lower Upper

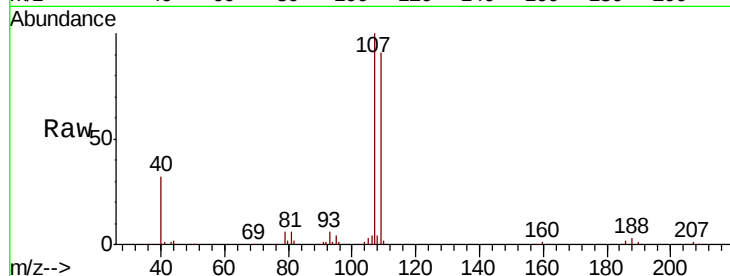
107 100

109 91.0 72.8 109.2

Manual Integrations
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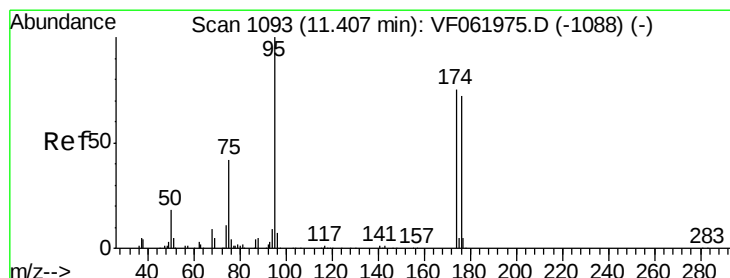
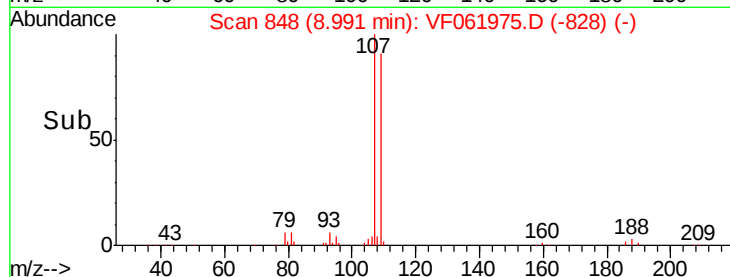
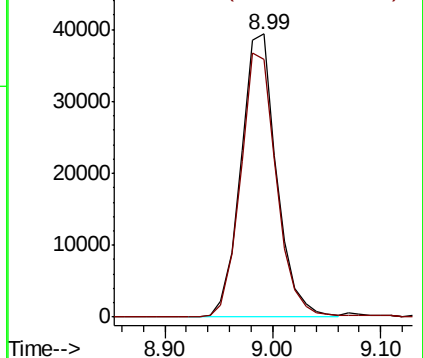
MMDadoda

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 45.647 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

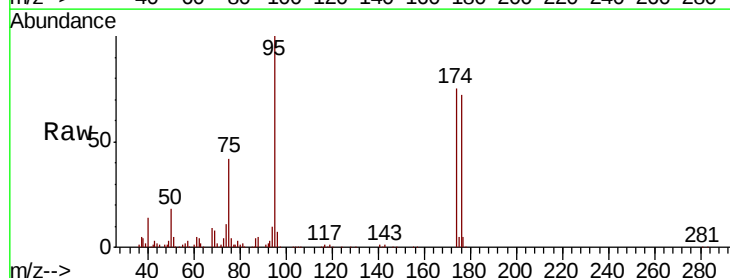
Tgt Ion: 95 Resp: 142089

Ion Ratio Lower Upper

95 100

174 74.7 0.0 149.4

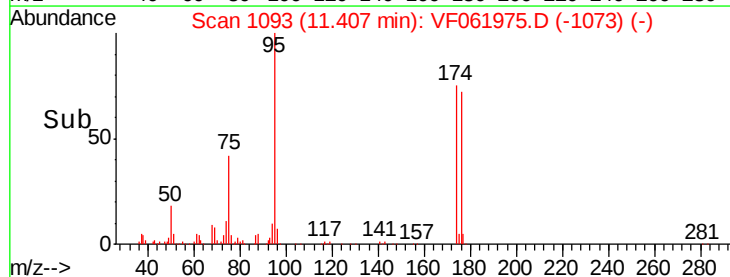
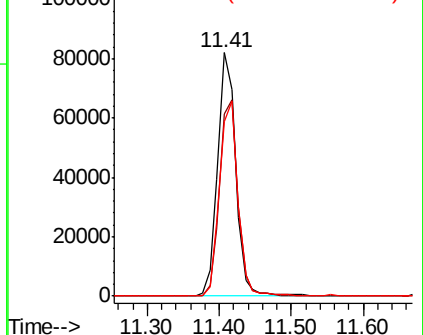
176 71.7 0.0 143.4

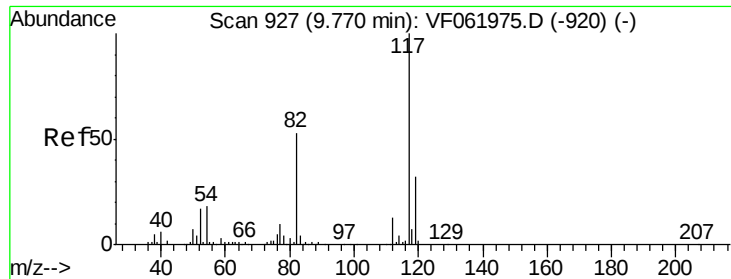


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





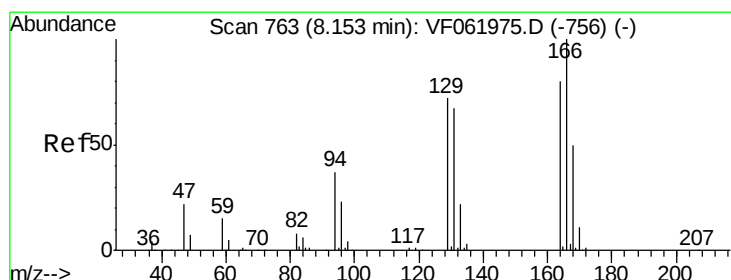
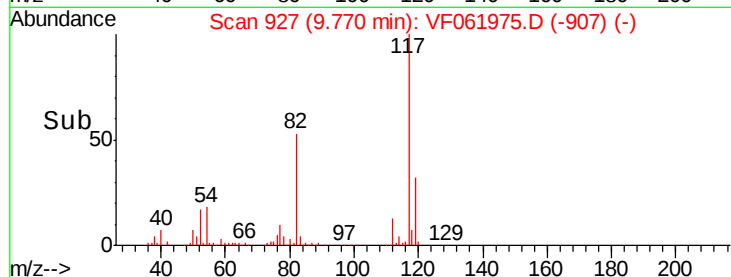
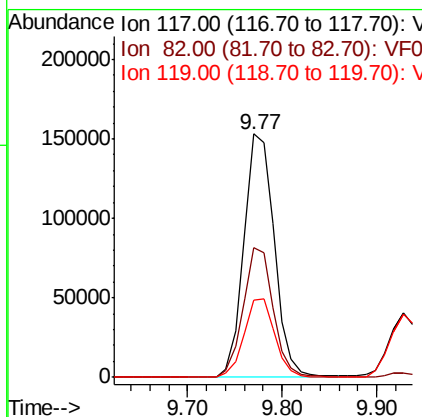
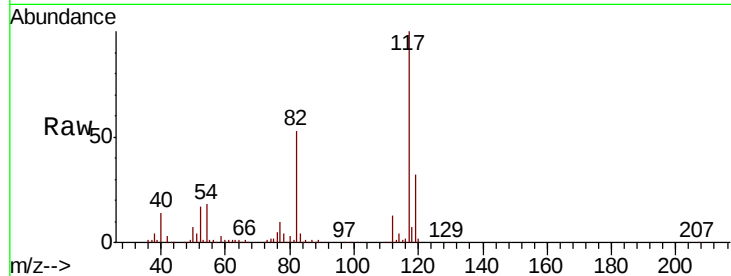
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.5	63.7
119	31.7	25.4	38.0

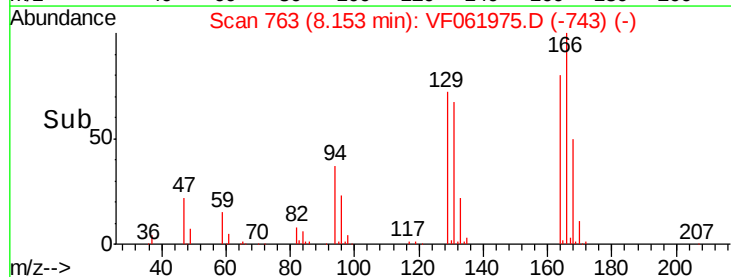
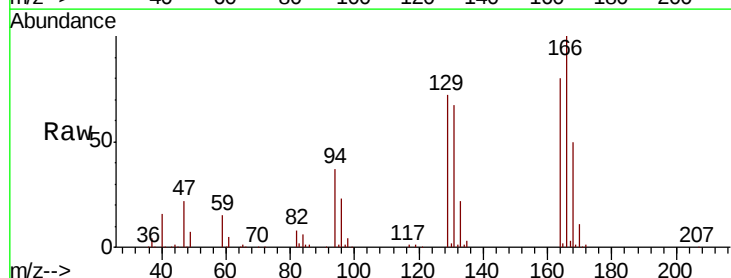
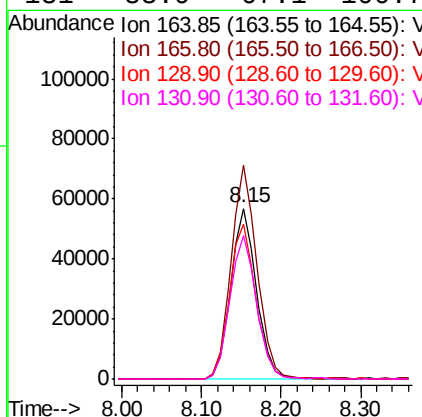
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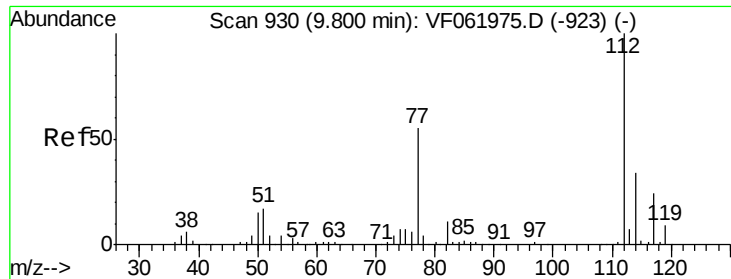
MMDadoda
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#64
Tetrachloroethene
Concen: 51.295 ug/l
RT: 8.15 min Scan# 763
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	100.0	150.0
129	90.5	72.4	108.6
131	83.9	67.1	100.7





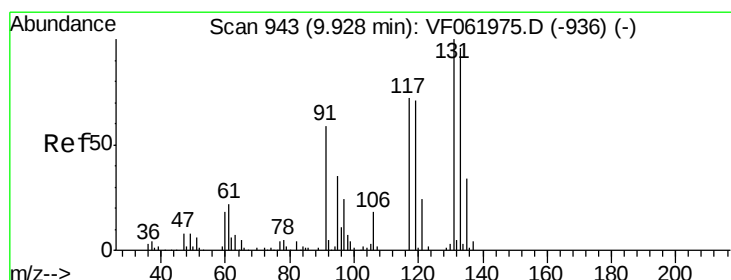
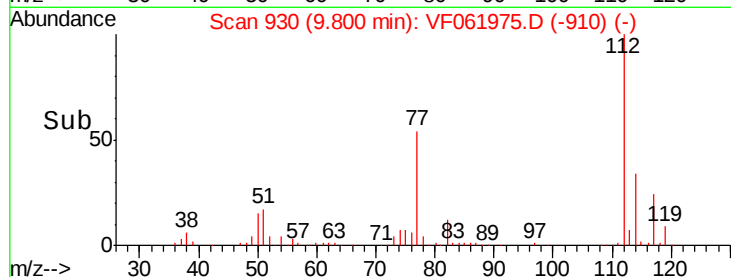
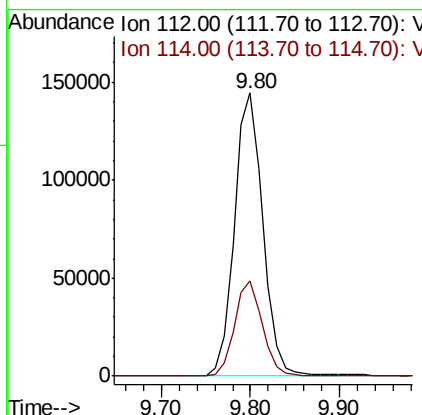
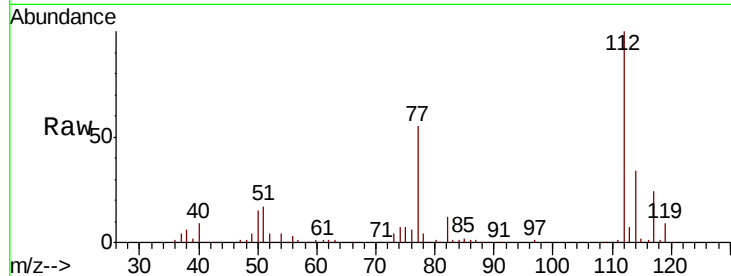
#65
Chlorobenzene
Concen: 50.308 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.6	26.9	40.3

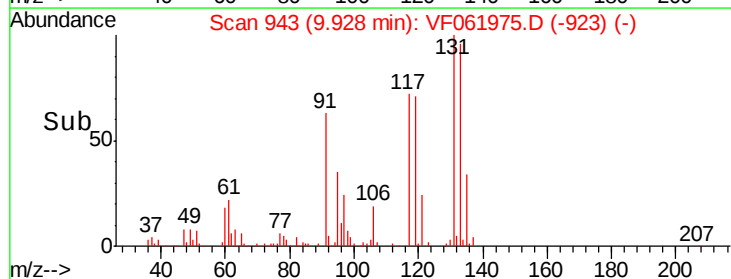
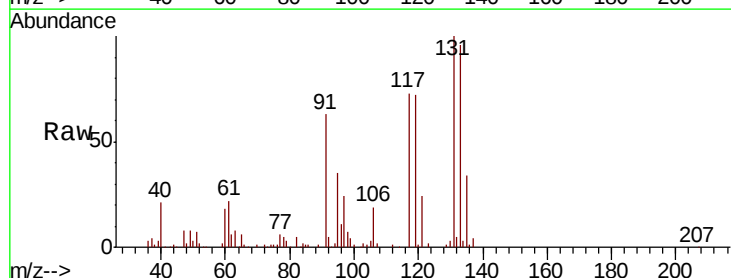
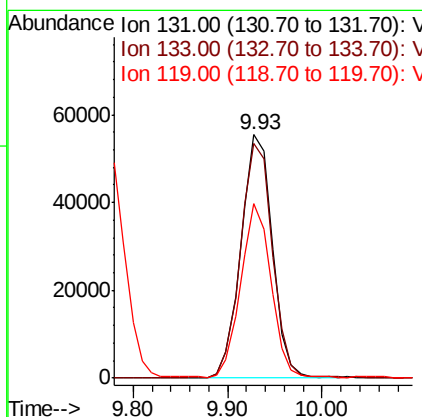
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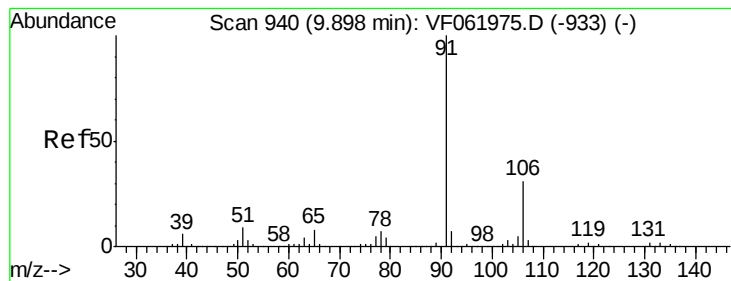
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.602 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.0	144.2
119	71.8	35.9	107.7





#67

Ethyl Benzene

Concen: 49.081 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 536432

Ion Ratio Lower Upper

91 100

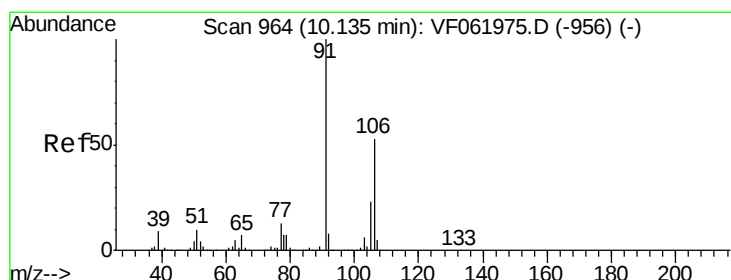
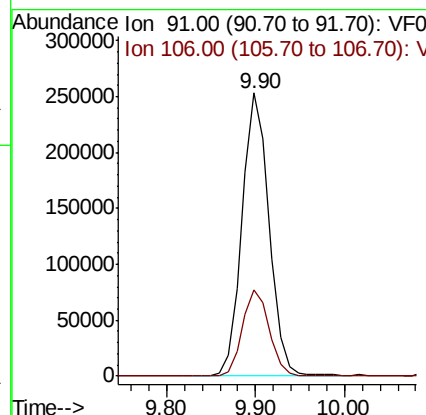
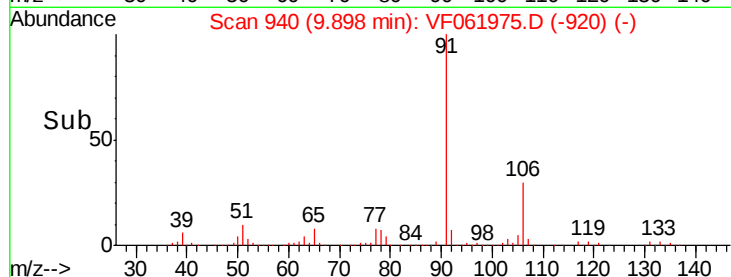
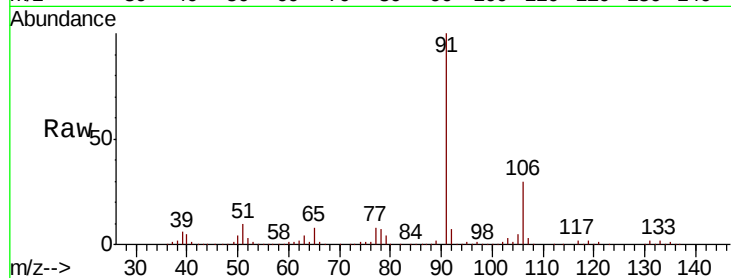
106 30.5 24.4 36.6

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 98.177 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF061975.D

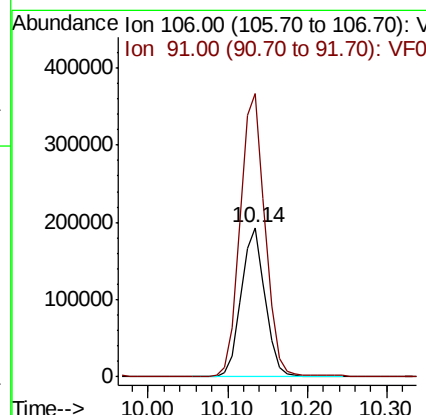
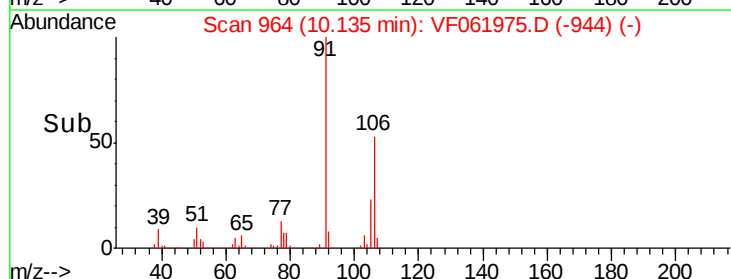
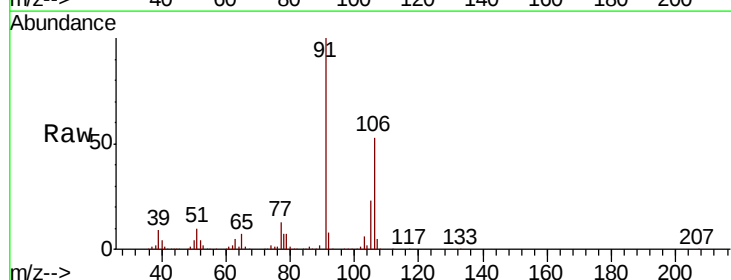
Acq: 16 Mar 2019 12:08

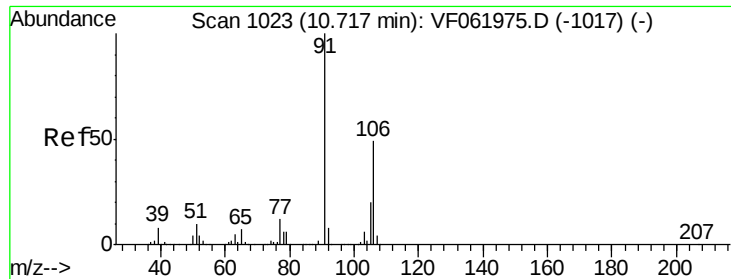
Tgt Ion: 106 Resp: 403571

Ion Ratio Lower Upper

106 100

91 189.9 151.9 227.9





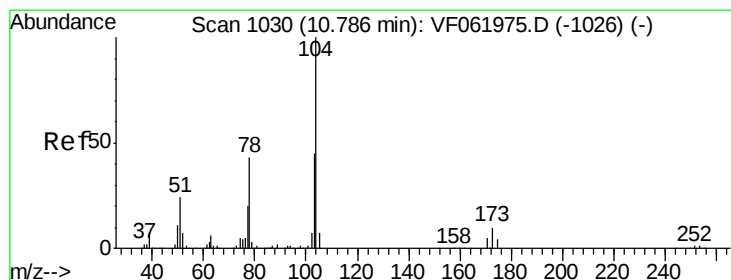
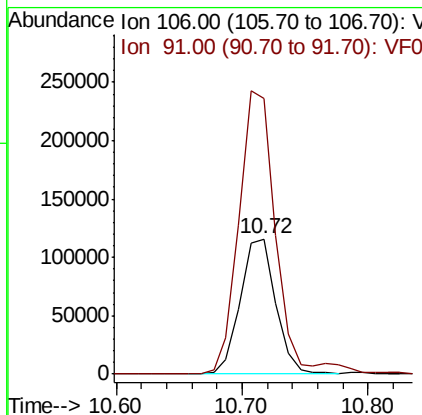
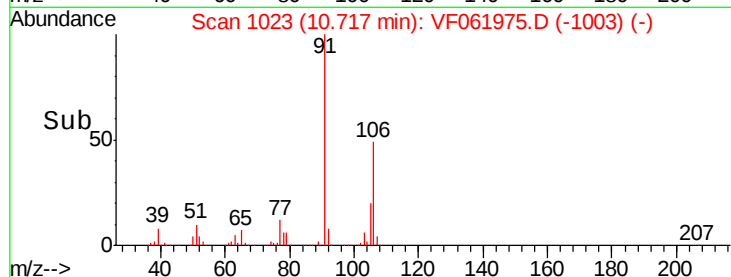
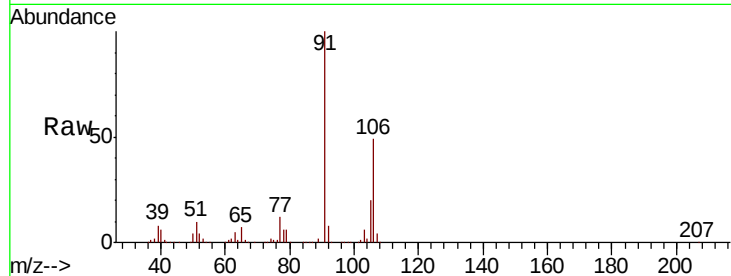
#69
o-Xylene
Concen: 51.561 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Instrument :
MSVOA_F
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 226792
Ion Ratio Lower Upper
106 100
91 204.5 102.3 306.8

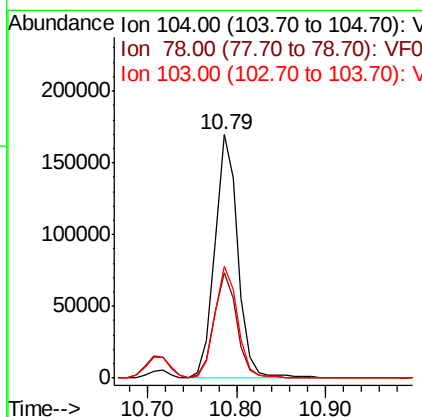
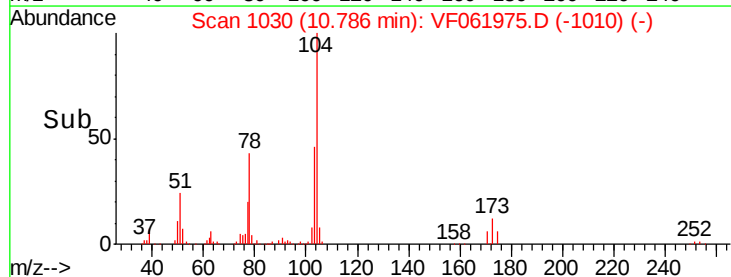
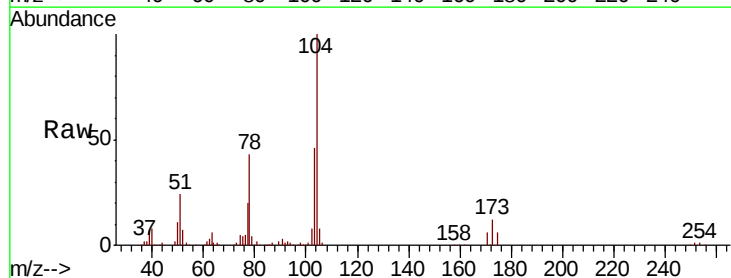
Manual Integrations
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#70
Styrene
Concen: 50.024 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion:104 Resp: 304830
Ion Ratio Lower Upper
104 100
78 43.4 34.7 52.1
103 45.7 36.6 54.8





#71

Bromoform

Concen: 53.799 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 67329

Ion Ratio Lower Upper

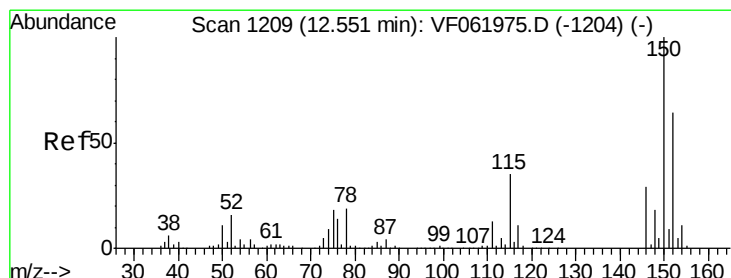
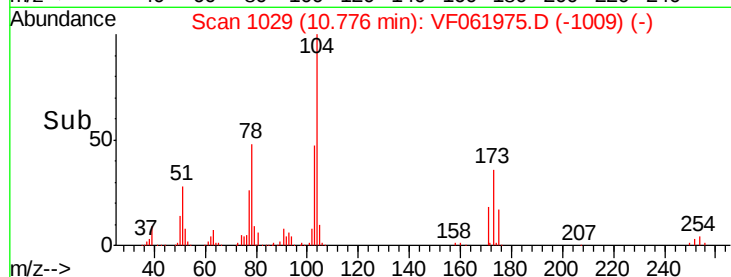
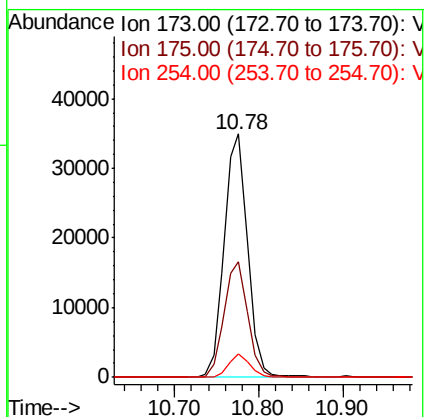
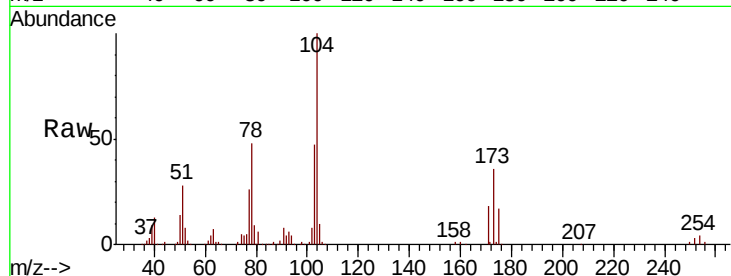
173 100

175 47.4 23.7 71.1

254 9.8 7.8 11.8

Manual Integrations
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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: VF061975.D

Acq: 16 Mar 2019 12:08

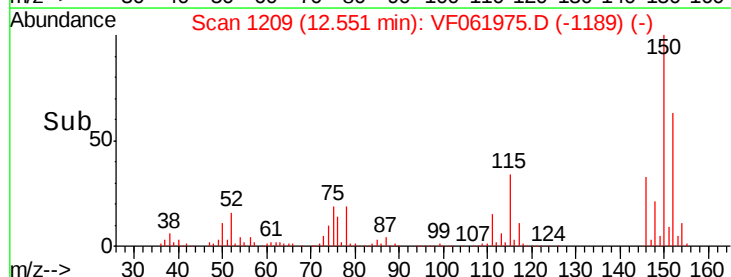
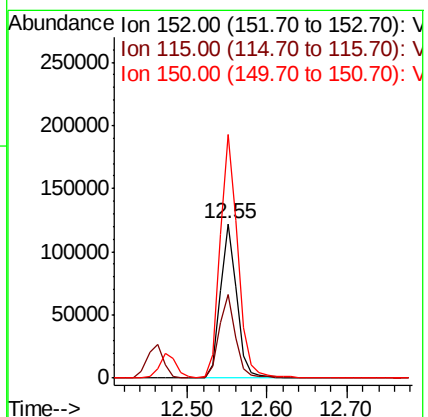
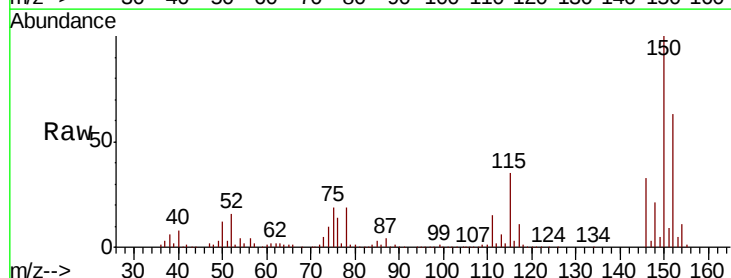
Tgt Ion:152 Resp: 179025

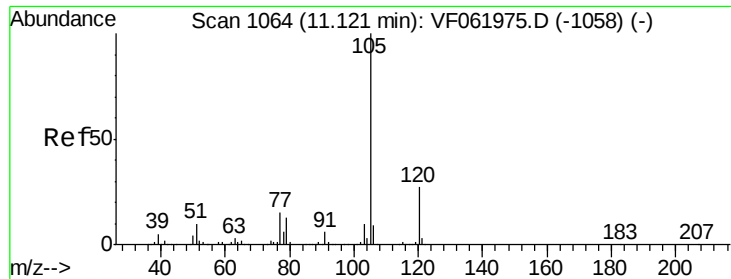
Ion Ratio Lower Upper

152 100

115 54.6 27.3 81.9

150 158.1 0.0 316.2





#73

Isopropylbenzene

Concen: 53.048 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 656105

Ion Ratio Lower Upper

105 100

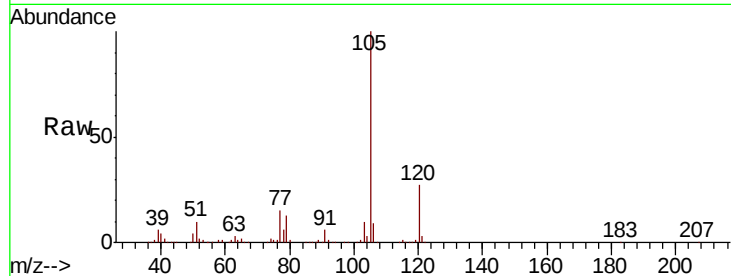
120 27.5 13.8 41.3

Manual Integrations

APPROVED

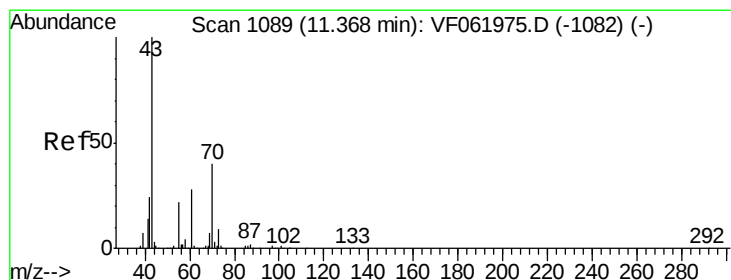
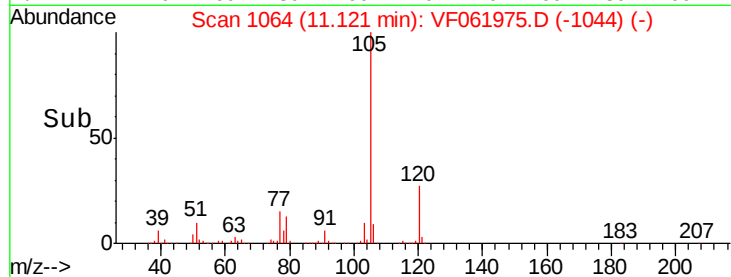
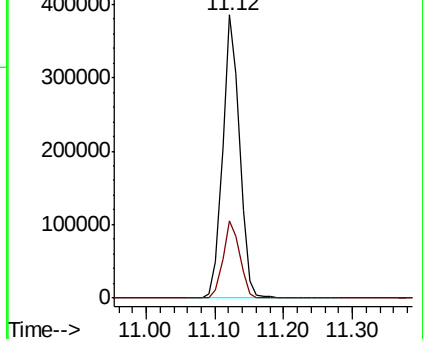
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.516 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Tgt Ion: 43 Resp: 148829

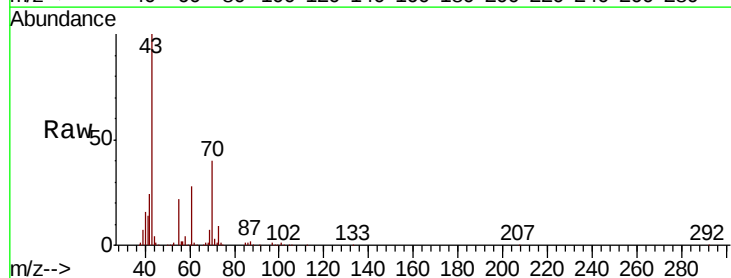
Ion Ratio Lower Upper

43 100

70 39.9 31.9 47.9

55 22.4 17.9 26.9

61 27.7 22.2 33.2

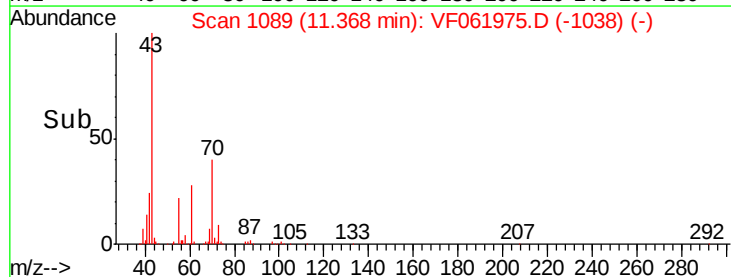
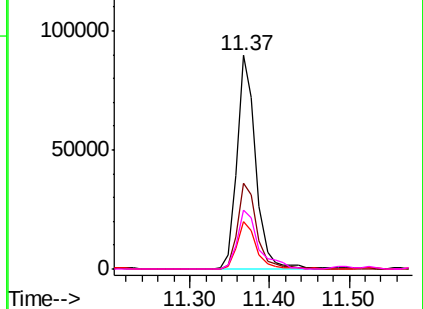


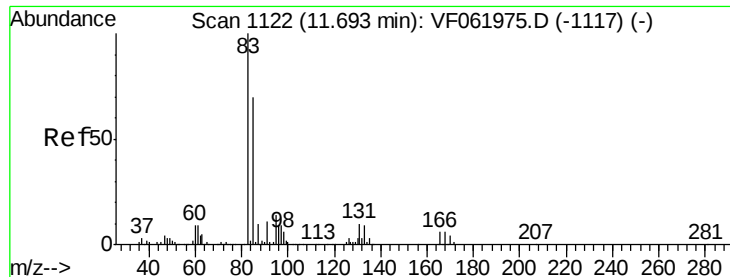
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 52.497 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

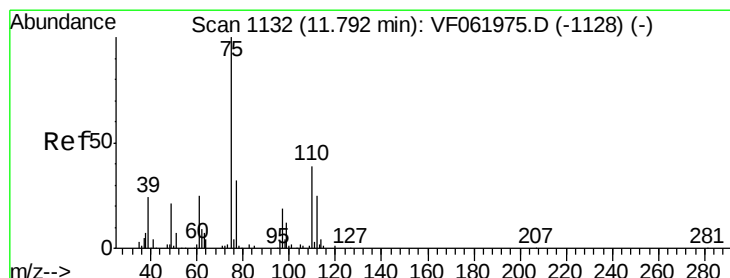
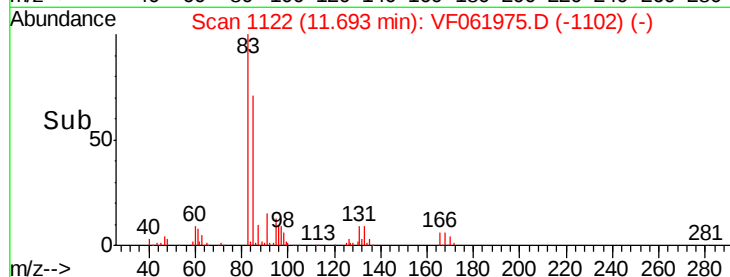
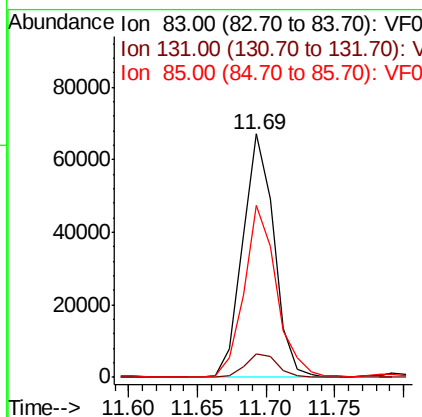
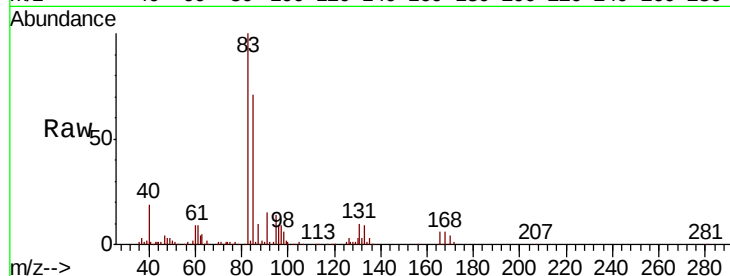
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	107173
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	70.6	35.3	105.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.366 ug/l

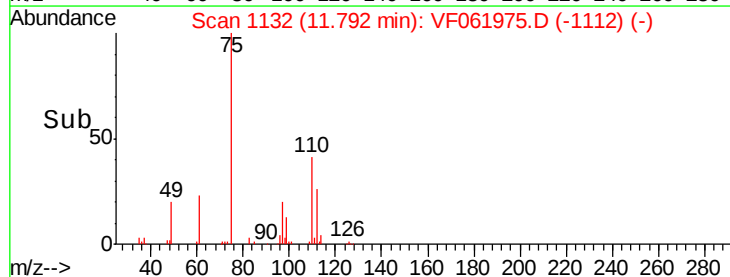
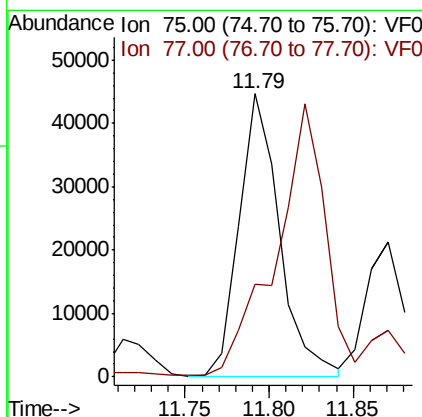
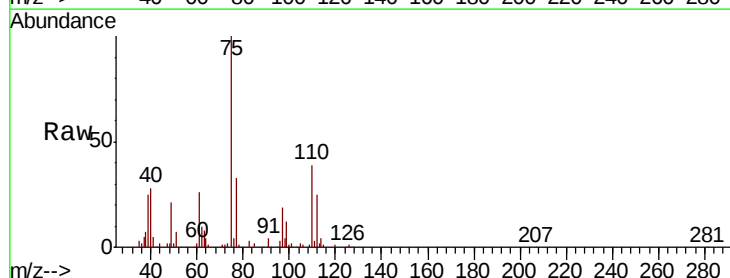
RT: 11.79 min Scan# 1132

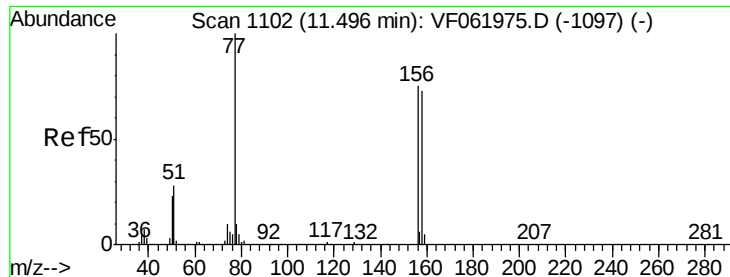
Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Tgt Ion:	75	Resp:	74754
Ion Ratio	Lower	Upper	
75	100		
77	32.8	16.4	49.2





#77

Bromobenzene

Concen: 51.421 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

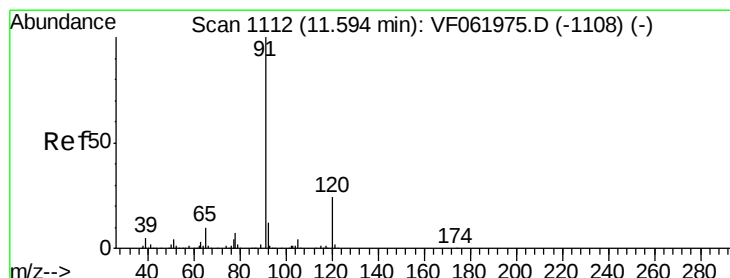
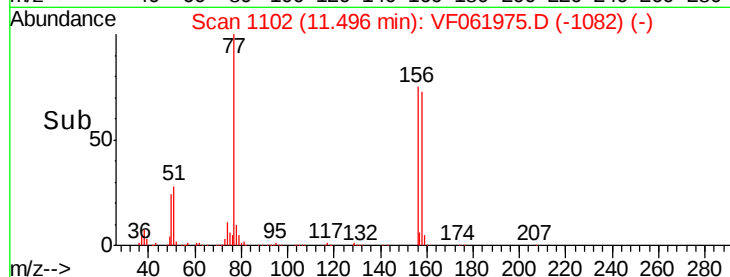
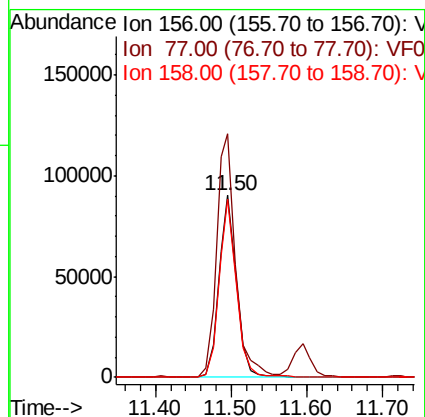
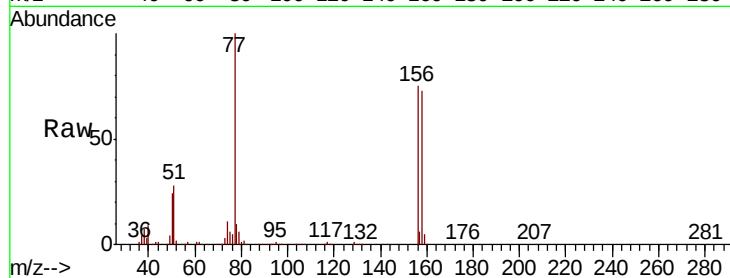
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	134.0	67.0	201.0	
158	97.8	48.9	146.7	

Manual Integrations
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#78

n-propylbenzene

Concen: 48.513 ug/l

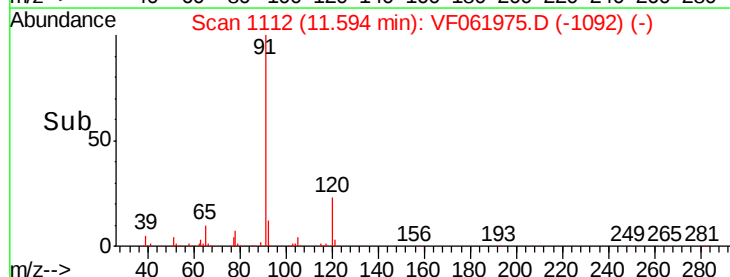
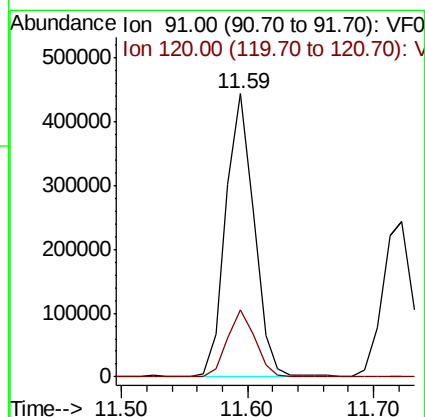
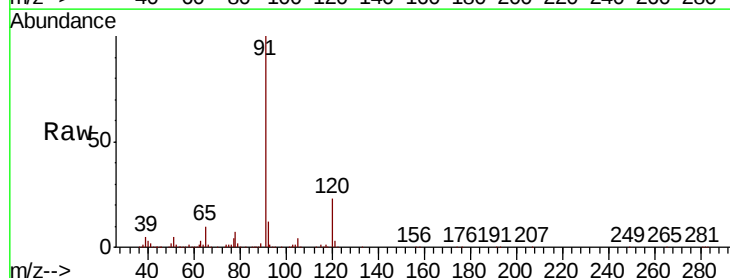
RT: 11.59 min Scan# 1112

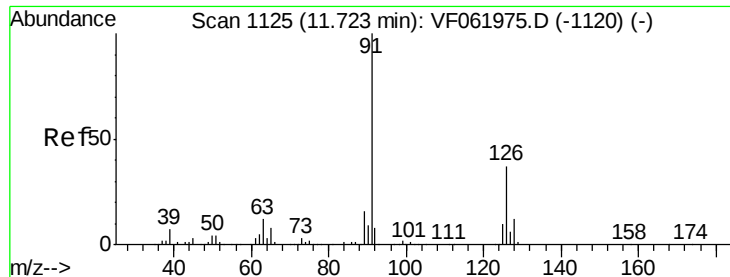
Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.5	11.8	35.3	





#79

2-Chlorotoluene

Concen: 49.817 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 399901

Ion Ratio Lower Upper

91 100

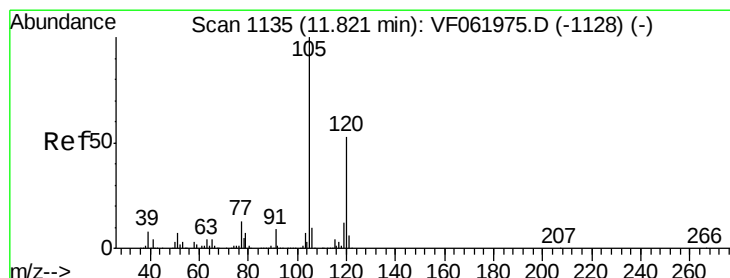
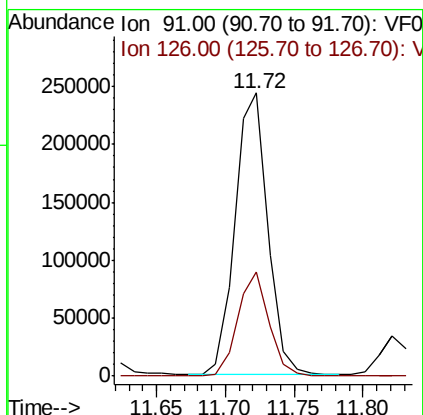
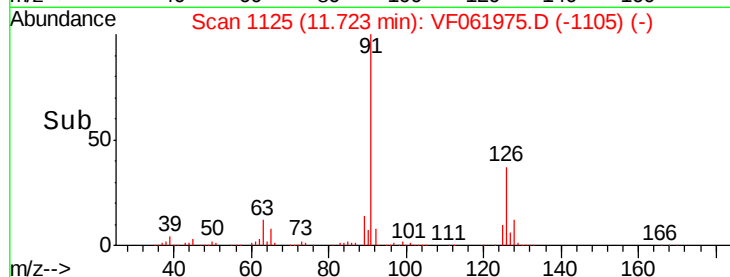
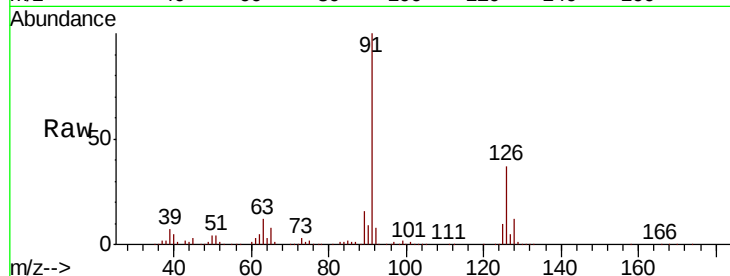
126 36.8 18.4 55.2

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#80

1,3,5-Trimethylbenzene

Concen: 50.604 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF061975.D

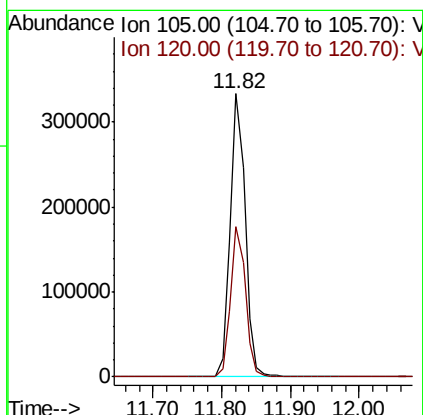
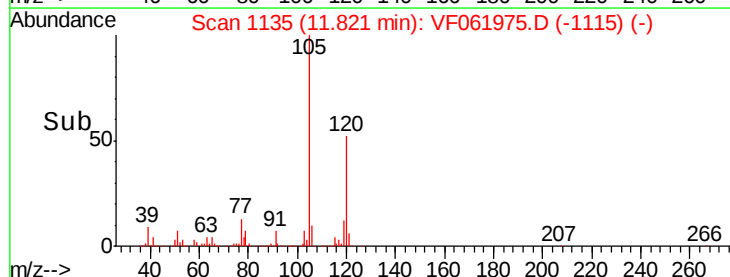
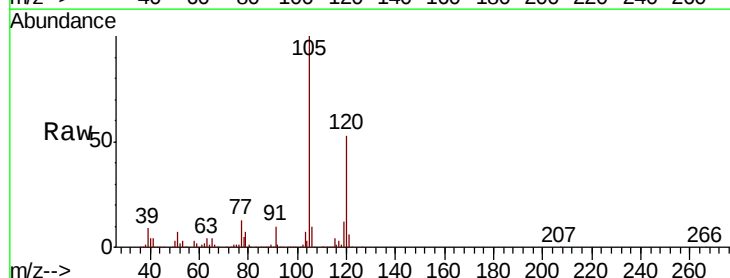
Acq: 16 Mar 2019 12:08

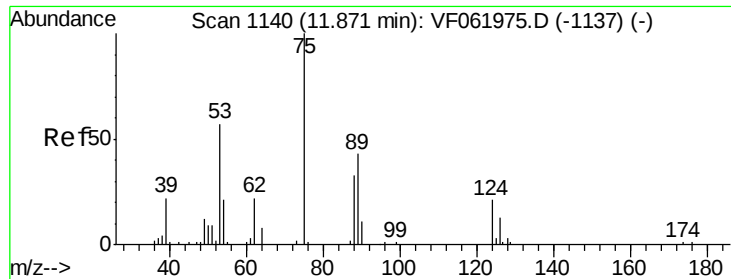
Tgt Ion:105 Resp: 505579

Ion Ratio Lower Upper

105 100

120 53.1 26.6 79.7





#81

trans-1,4-Dichloro-2-butene

Concen: 56.975 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

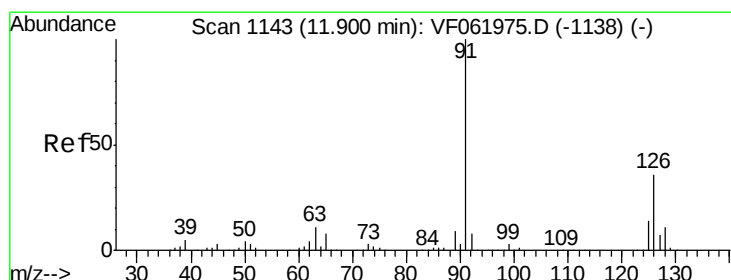
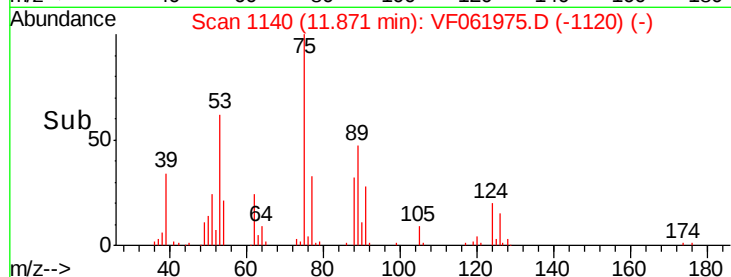
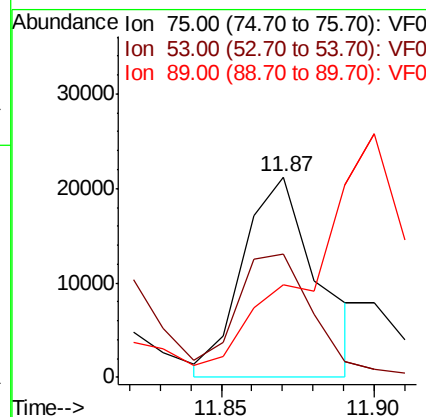
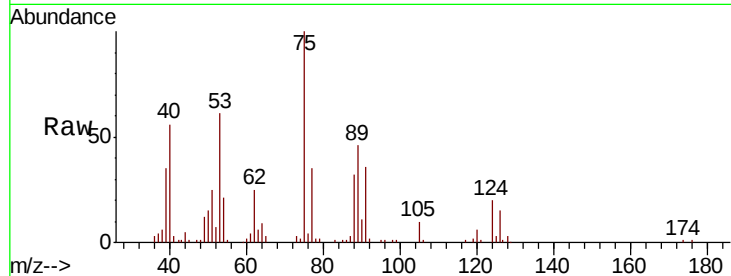
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	35981
Ion	Ratio	Lower	Upper
75	100		
53	61.3	49.0	73.6
89	46.4	37.1	55.7

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#82

4-Chlorotoluene

Concen: 51.718 ug/l

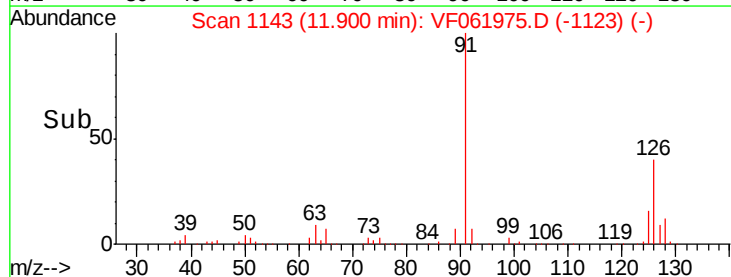
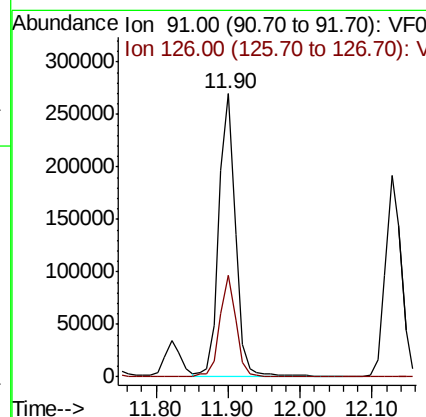
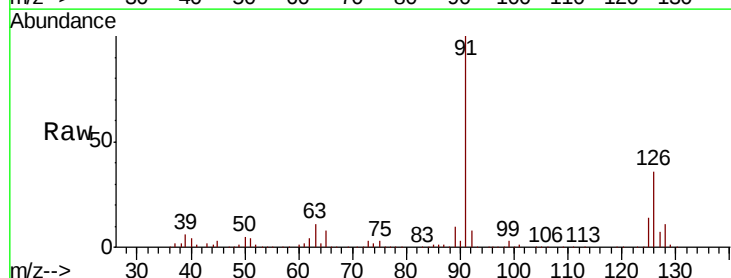
RT: 11.90 min Scan# 1143

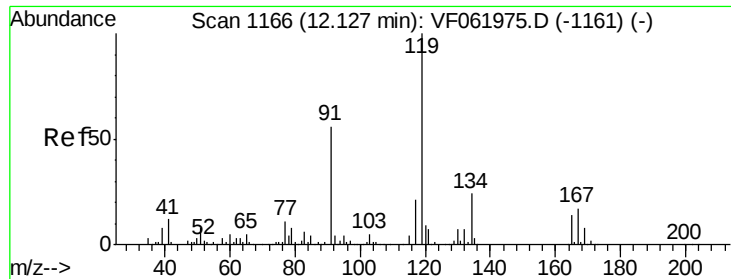
Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Tgt Ion:	91	Resp:	419837
Ion	Ratio	Lower	Upper
91	100		
126	36.1	18.1	54.1





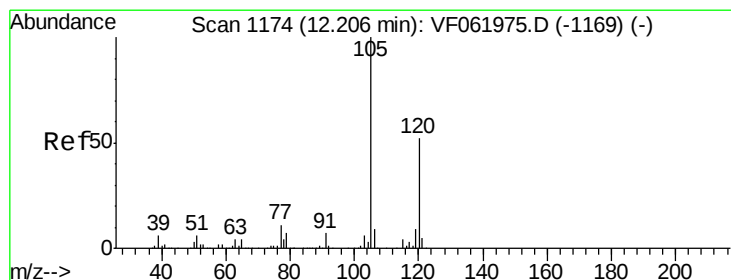
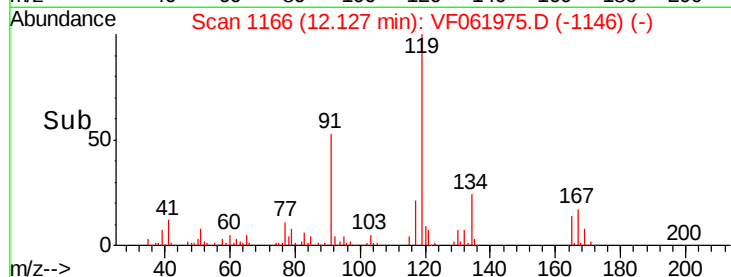
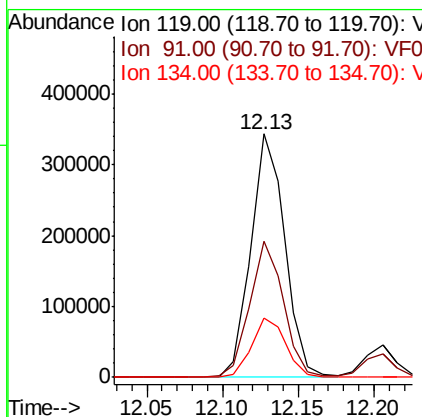
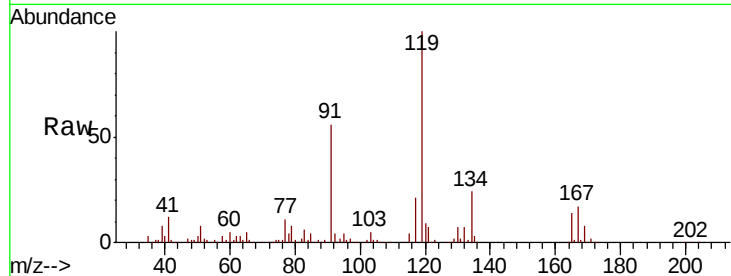
#83
tert-Butylbenzene
Concen: 51.733 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
91	55.7	27.9	83.6	
134	24.5	12.3	36.8	

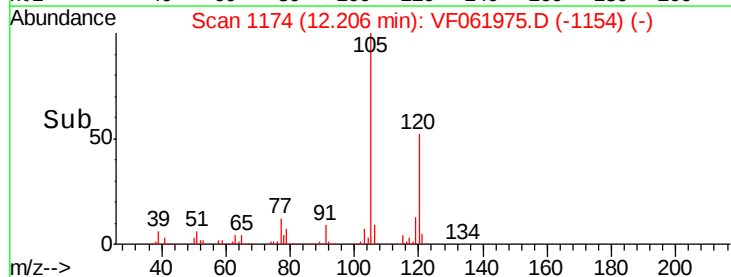
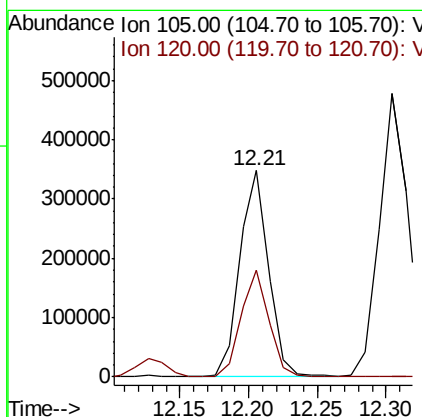
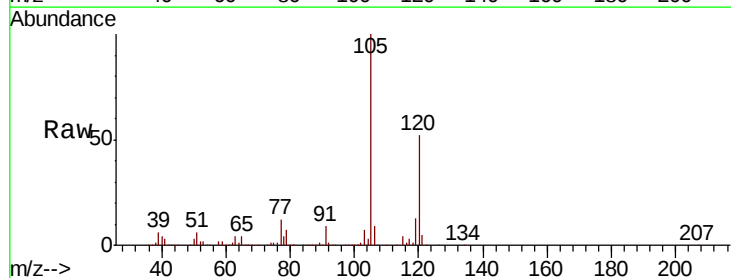
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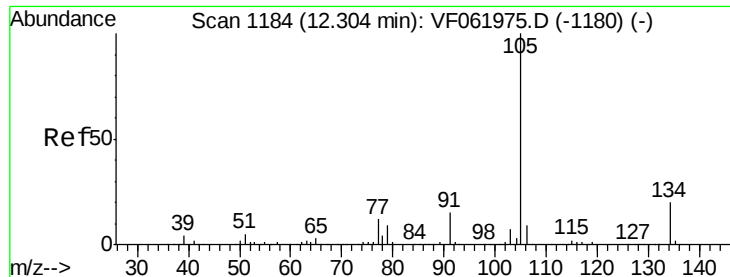
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#84
1,2,4-Trimethylbenzene
Concen: 50.732 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	51.9	25.9	77.8	





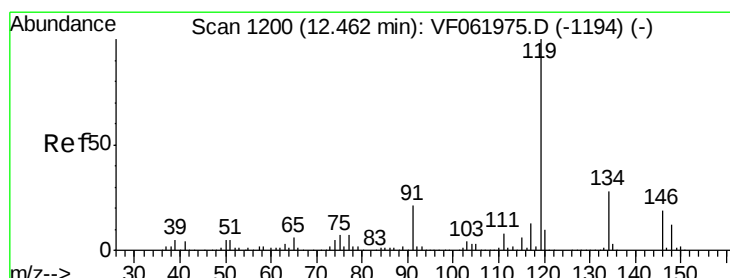
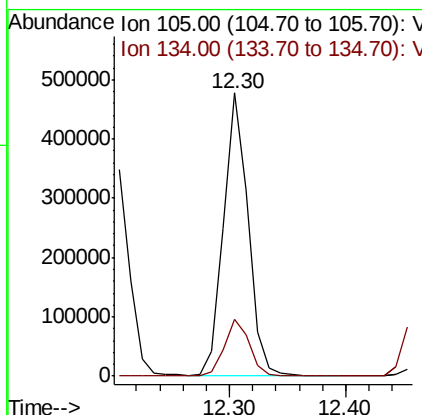
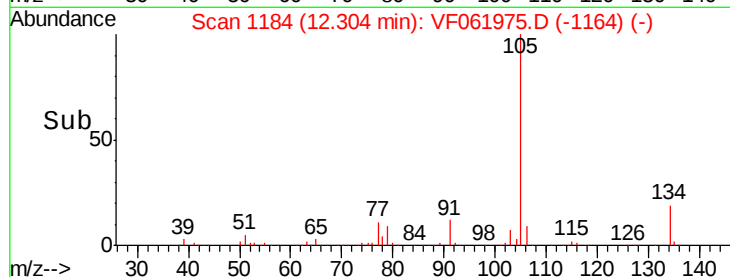
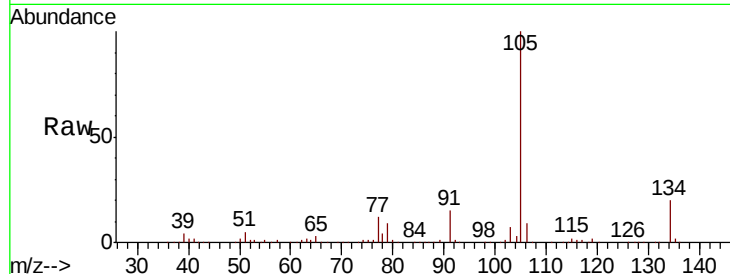
#85
 sec-Butylbenzene
 Concen: 49.478 ug/l
 RT: 12.30 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 698475
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.0 29.8

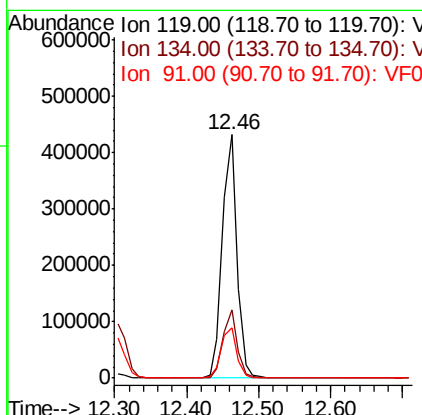
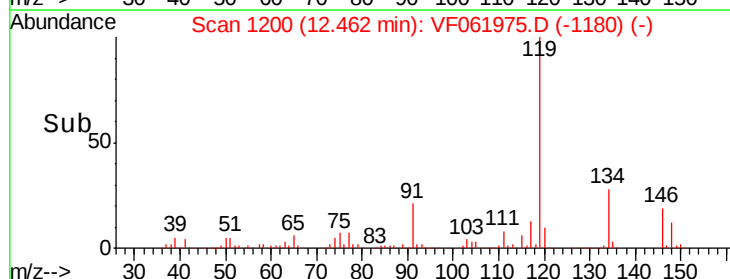
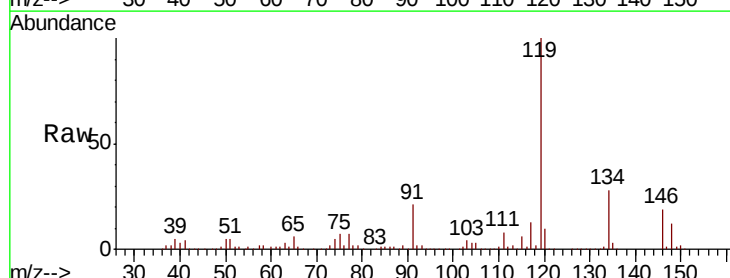
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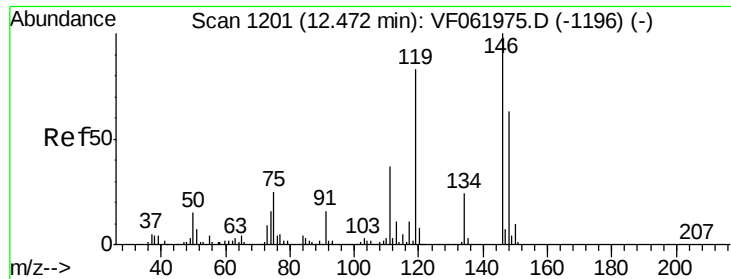
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#86
 p-Isopropyltoluene
 Concen: 51.508 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

Tgt Ion:119 Resp: 606746
 Ion Ratio Lower Upper
 119 100
 134 27.8 13.9 41.7
 91 20.7 10.4 31.1





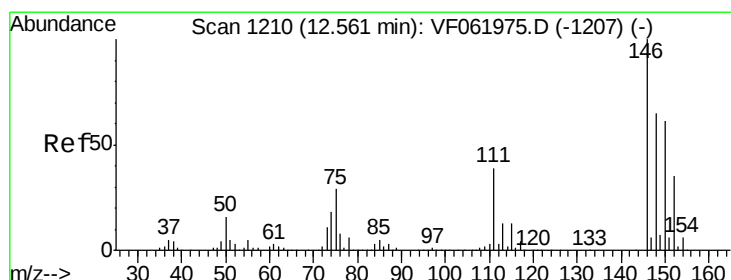
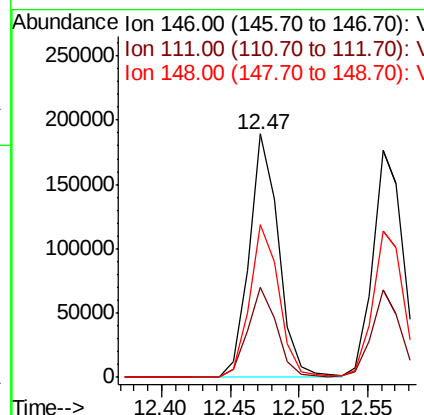
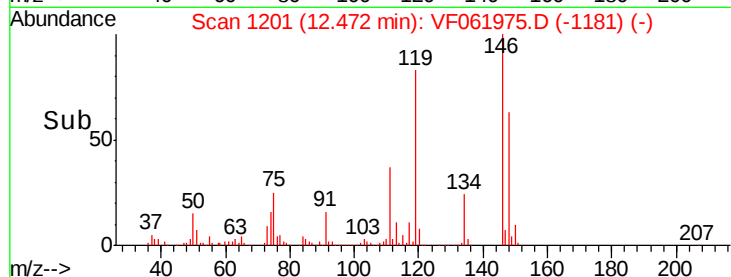
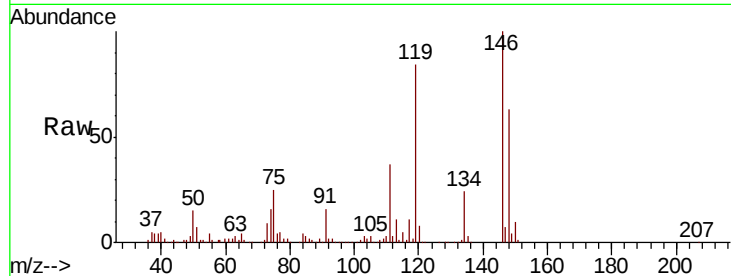
#87
 1,3-Dichlorobenzene
 Concen: 50.295 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	62.6	31.3	93.9

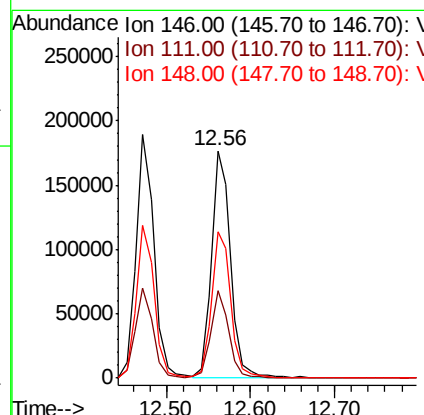
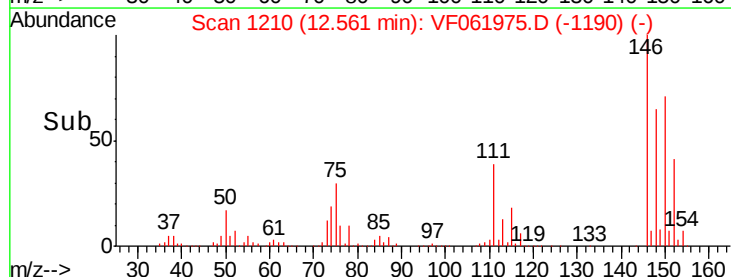
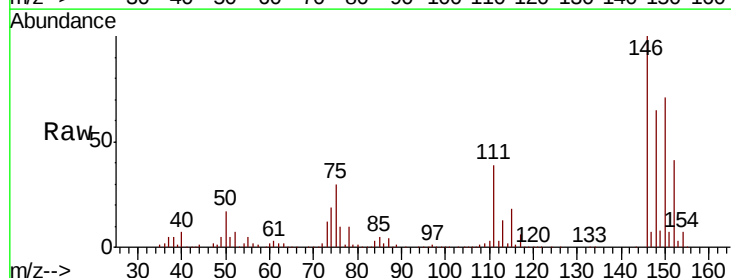
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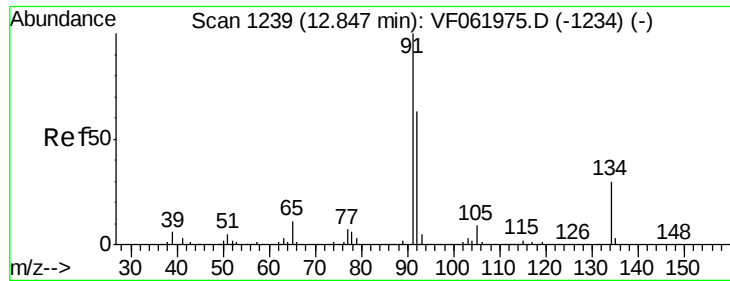
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#88
 1,4-Dichlorobenzene
 Concen: 50.855 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.1
148	64.7	32.4	97.0





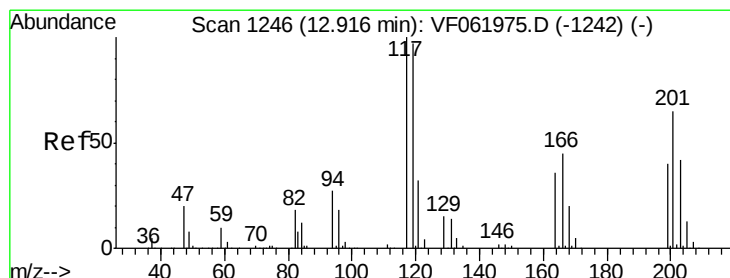
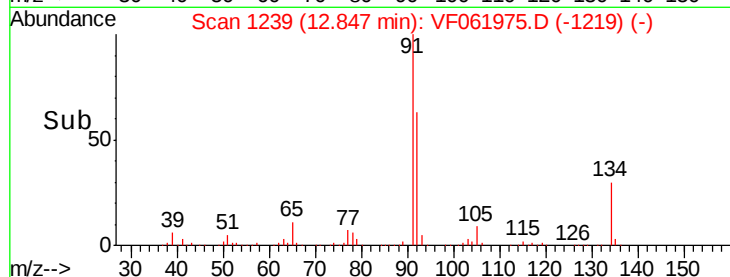
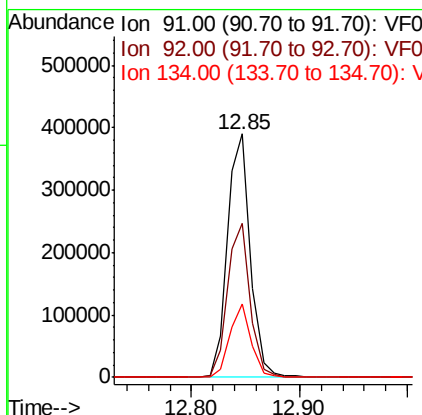
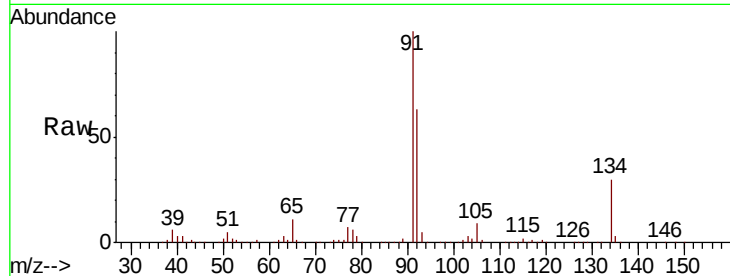
#89
n-Butylbenzene
Concen: 51.937 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.4	31.7	95.1
134	30.2	15.1	45.3

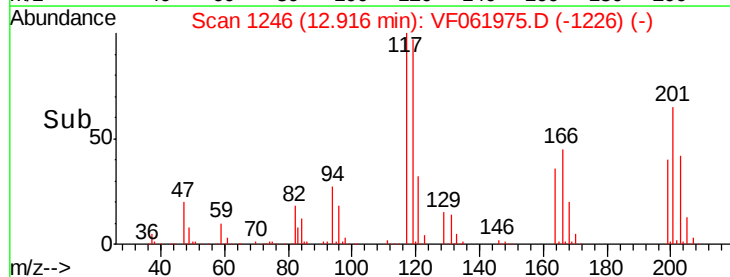
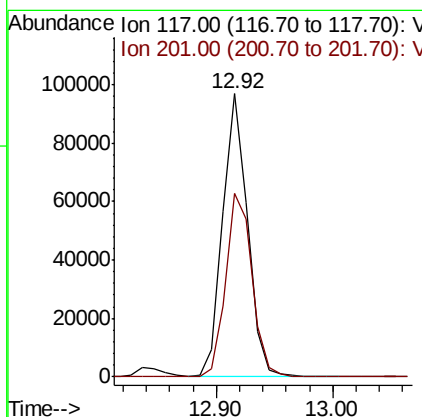
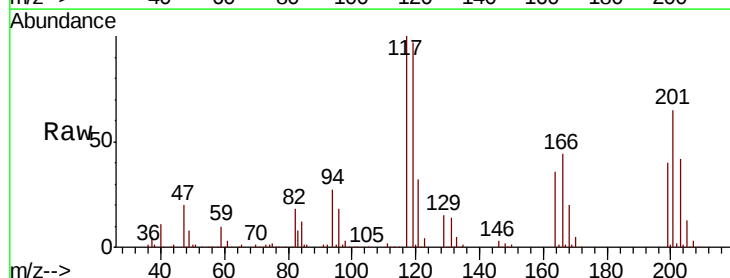
Manual Integrations
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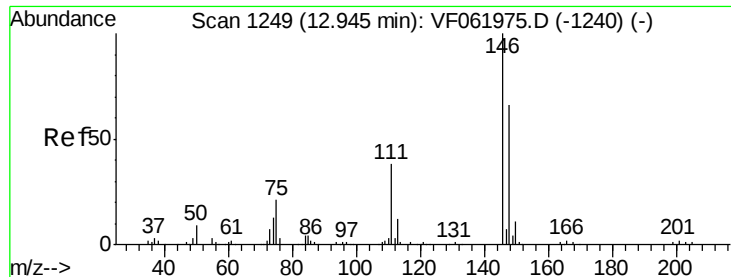
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#90
Hexachloroethane
Concen: 53.638 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF061975.D
Acq: 16 Mar 2019 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.0	32.5	97.5





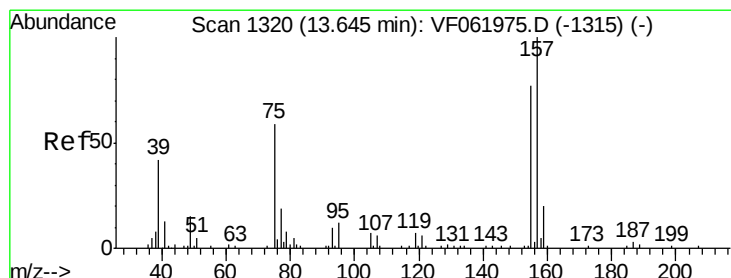
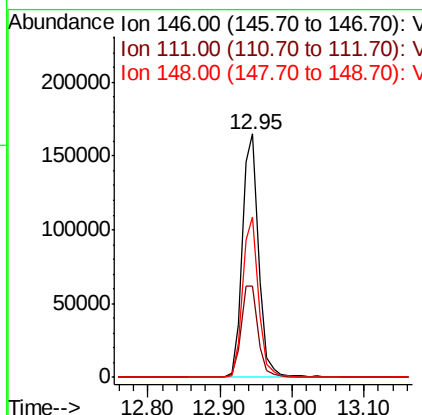
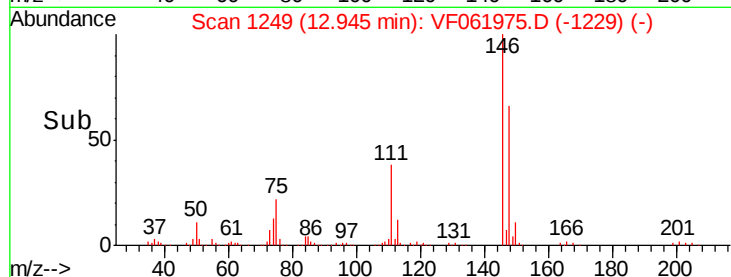
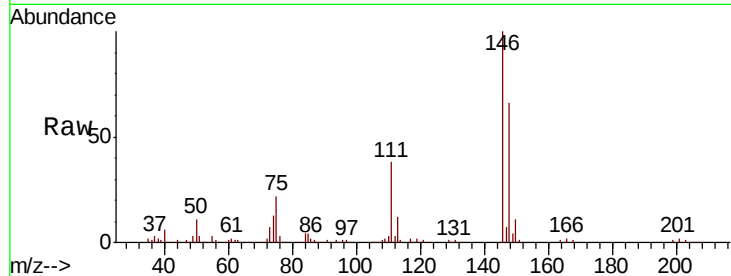
#91
 1,2-Dichlorobenzene
 Concen: 49.972 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.5
148	65.7	32.9	98.6

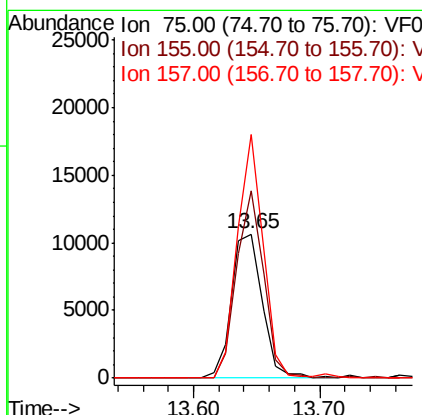
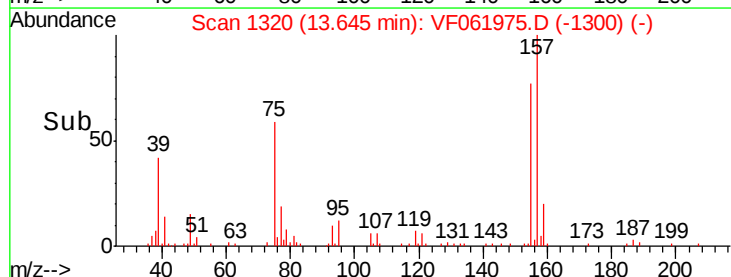
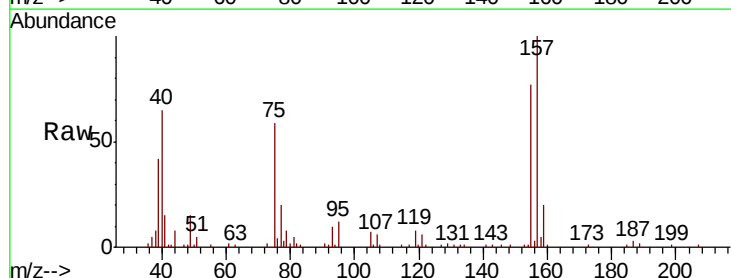
Manual Integrations
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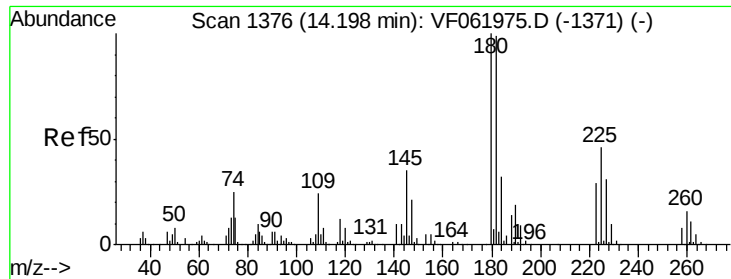
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.392 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	130.1	65.0	195.1
157	169.3	84.7	254.0





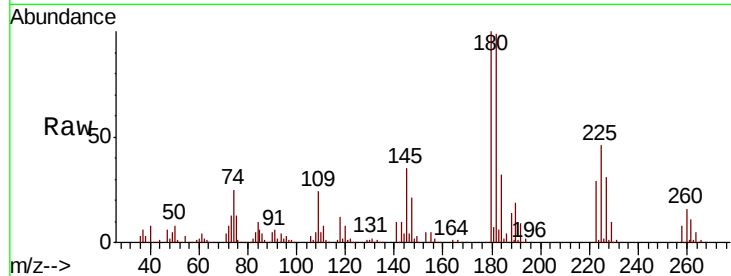
#93
 1,2,4-Trichlorobenzene
 Concen: 51.362 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	186482		
182	99.3	49.6	149.0	
145	35.0	17.5	52.5	

Manual Integrations
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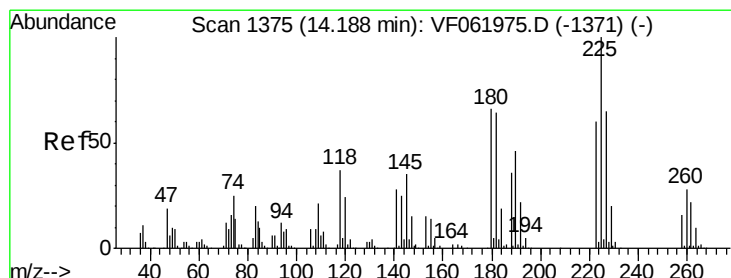
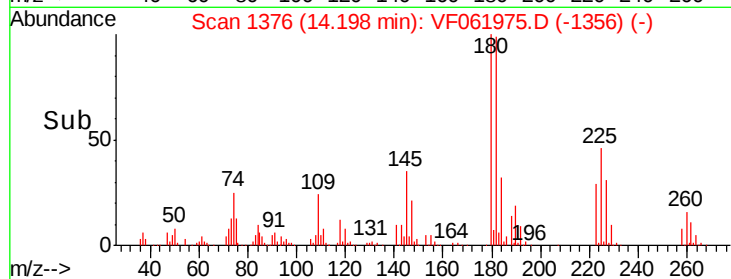
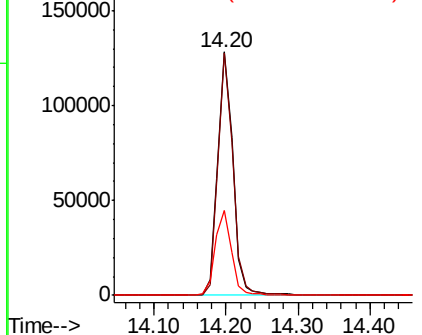


Abundance

Ion 180.00 (179.70 to 180.70): V

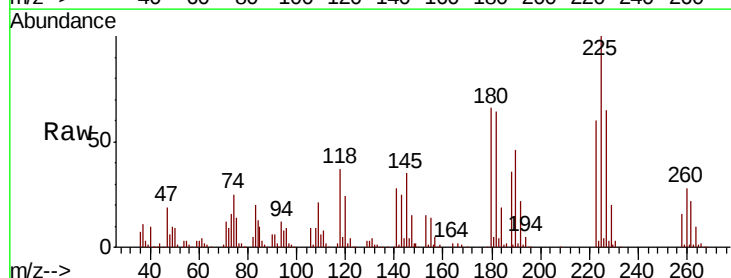
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 52.893 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061975.D
 Acq: 16 Mar 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	127490		
223	59.8	29.9	89.7	
227	64.8	32.4	97.2	

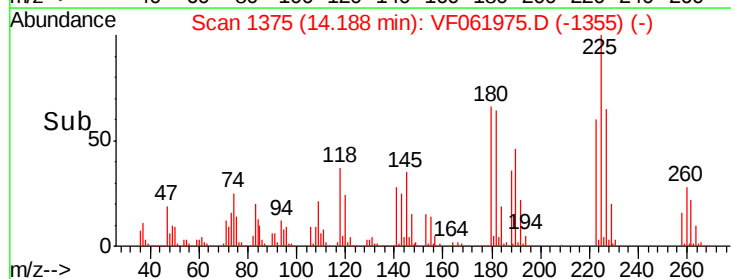
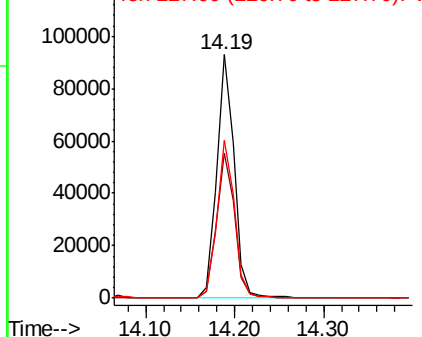


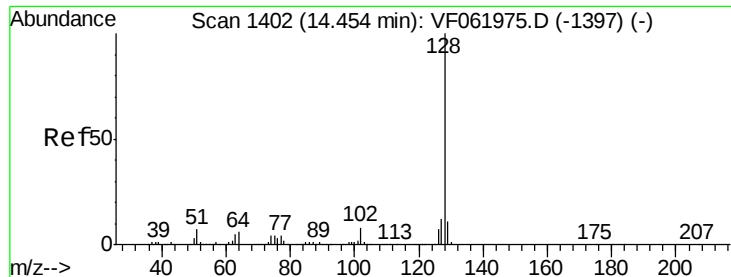
Abundance

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: 53.828 ug/l

RT: 14.45 min Scan# 1402

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Instrument :

MSVOA_F

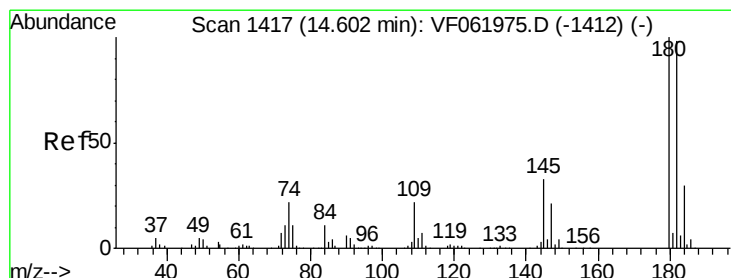
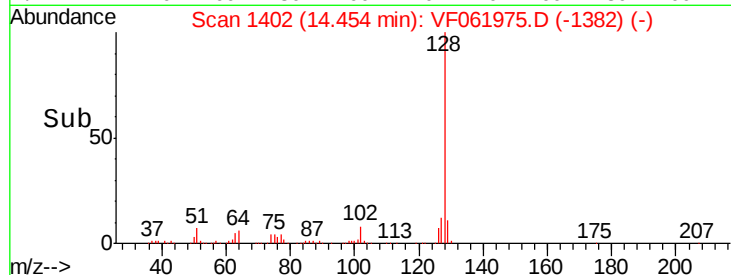
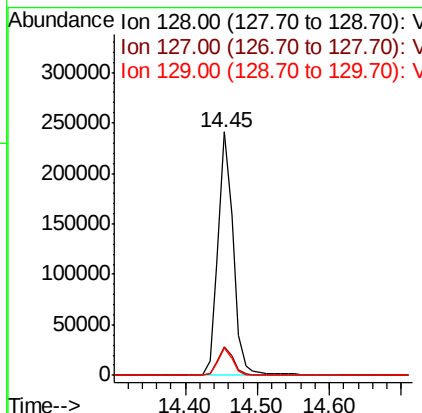
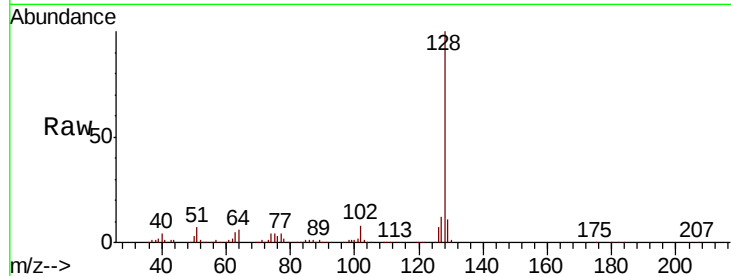
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	351494
Ion Ratio	Lower	Upper	
128	100		
127	11.6	9.3	13.9
129	11.4	9.1	13.7

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 53.526 ug/l

RT: 14.60 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF061975.D

Acq: 16 Mar 2019 12:08

Tgt Ion:	180	Resp:	178792
Ion Ratio	Lower	Upper	
180	100		
182	97.9	48.9	146.8
145	33.4	16.7	50.1

