

Data File : VL032874.D
Acq On : 4 Dec 2018 9:53
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Dec 05 05:45:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1305755	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3511821	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	4235540	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2506580	7.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	1646165	8.770	ppbv	100
3) Chlorodifluoromethane	3.02	51	1015653	9.811	ppbv	99
4) Chloromethane	3.18	50	541843	9.439	ppbv	99
5) Vinyl Chloride	3.30	62	575616	9.464	ppbv	95
6) Bromomethane	3.52	94	387186	10.406	ppbv	93
7) Chloroethane	3.61	64	227524	10.379	ppbv	97
8) Dichlorotetrafluoroethane	3.23	85	1451899	9.816	ppbv	98
9) Propene	3.04	41	422359	10.195	ppbv	100
10) Heptane	8.25	43	1696553	10.727	ppbv	99
11) Trichlorofluoromethane	4.01	101	2060245	11.647	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1677474	11.610	ppbv	96
13) Ethanol	3.65	45	102955	7.587	ppbv	99
14) Bromoethene	3.80	108	499593	10.423	ppbv	100
15) Acetone	3.91	43	1043186	8.748	ppbv	100
16) 1,3-Butadiene	3.37	39	460514	9.972	ppbv	88
17) tert-Butyl alcohol	4.36	59	442353	11.828	ppbv	100
18) 1,1-Dichloroethene	4.36	96	775601	10.917	ppbv	98
19) Isopropyl Alcohol	4.03	45	914761	11.515	ppbv	99
20) Methylene Chloride	4.42	84	669452	10.844	ppbv	98
21) Allyl Chloride	4.48	41	1197629	11.951	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	774425	11.163	ppbv	99
23) Vinyl Acetate	5.16	43	2360373	10.859	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1826038	10.567	ppbv	100
25) Ethyl Acetate	5.78	43	2869377	10.324	ppbv	99
26) Hexane	5.79	57	1312115	10.606	ppbv	99
27) Carbon Disulfide	4.63	76	1964813	12.525	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2370485	12.015	ppbv	99
29) Chloroform	5.86	83	2216567	10.052	ppbv	98
30) Cyclohexane	7.25	84	1219116	11.266	ppbv	97
31) cis-1,2-Dichloroethene	5.65	61	1355032	10.894	ppbv	99
32) 1,1,1-Trichloroethane	6.63	97	2431546	10.060	ppbv	99
34) 2-Butanone	5.34	43	1826106	10.026	ppbv	99
35) Carbon Tetrachloride	7.15	117	2621385	9.285	ppbv	99
36) Benzene	7.02	78	2823464	10.096	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1789518	9.506	ppbv	99
38) Trichloroethene	7.97	130	1184227	10.464	ppbv	98
39) 1,2-Dichloropropane	7.74	63	1068215	10.026	ppbv	98
40) 1,4-Dioxane	7.97	88	368326	9.679	ppbv	97
41) Tetrahydrofuran	6.16	42	1031572	9.873	ppbv	99
42) Bromodichloromethane	7.93	83	2526222	9.899	ppbv	99
43) Methyl Methacrylate	8.15	69	1115168	10.681	ppbv	98

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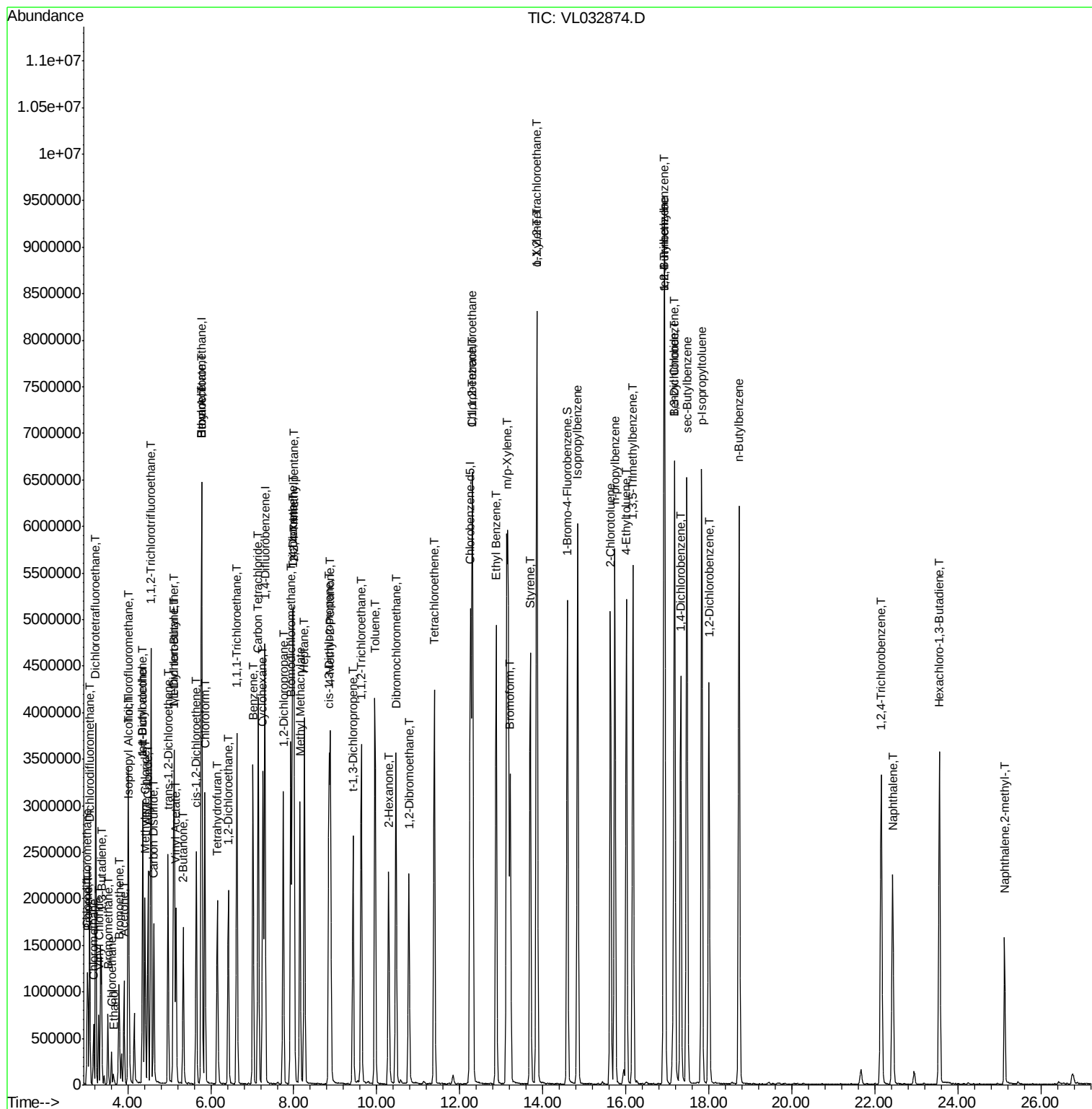
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4749797	10.164	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1565793	11.177	ppbv	98
46) cis-1,3-Dichloropropene	8.85	75	1945614	11.495	ppbv	94
47) 1,1,2-Trichloroethane	9.62	97	1284115	10.192	ppbv	95
48) Dibromochloromethane	10.46	129	2236245	10.443	ppbv	100
49) Bromoform	13.21	173	2002208	11.322	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	2943253	10.346	ppbv	99
51) 2-Hexanone	10.28	43	2060544	11.242	ppbv #	99
52) Tetrachloroethene	11.38	164	1066617	10.964	ppbv	99
53) Toluene	9.96	91	3335596	11.433	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1873464	10.519	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.29	131	1613201	8.166	ppbv	95
57) Chlorobenzene	12.31	112	2587036	7.979	ppbv	98
58) Ethyl Benzene	12.88	91	4556774	8.939	ppbv	97
59) m/p-Xylene	13.14	91	3898456	8.591	ppbv #	19
60) o-Xylene	13.86	91	4027524	8.827	ppbv	99
61) Styrene	13.70	104	2787699	9.386	ppbv	99
62) Isopropylbenzene	14.84	105	5407606	8.768	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2796346	7.862	ppbv	100
64) n-propylbenzene	15.74	120	1365533	8.418	ppbv	97
65) tert-Butylbenzene	16.92	119	4774571	8.636	ppbv	98
66) Benzyl Chloride	17.17	91	2683897	8.781	ppbv	99
67) sec-Butylbenzene	17.47	105	6602321	8.287	ppbv	99
69) p-Isopropyltoluene	17.83	119	5409609	8.539	ppbv	99
70) n-Butylbenzene	18.73	91	5284446	8.215	ppbv	100
71) 2-Chlorotoluene	15.63	91	3953651	8.596	ppbv	98
72) 4-Ethyltoluene	16.01	105	4621803	9.242	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	4394444	8.987	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	4181387	7.991	ppbv	95
75) 1,3-Dichlorobenzene	17.18	146	2350863	7.833	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2305418	8.223	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	2275662	8.196	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	942894	6.292	ppbv	99
79) Naphthalene	22.42	128	2928665	8.520	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	825971	9.594	ppbv	97
81) 1,2,4-Trichlorobenzene	22.15	180	1616989	9.368	ppbv	99

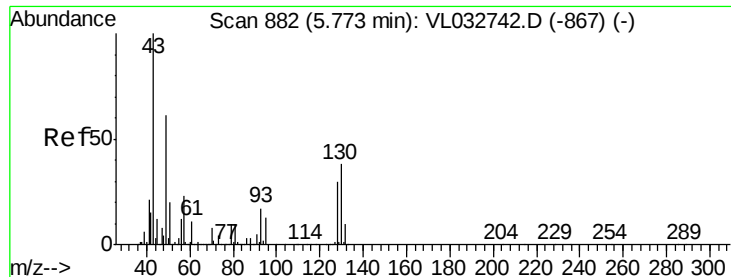
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

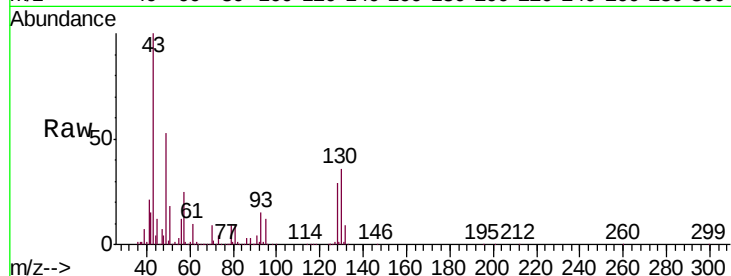
Tgt Ion: 49 Resp: 1305755

Ion Ratio Lower Upper

49 100

128 52.9 24.9 74.6

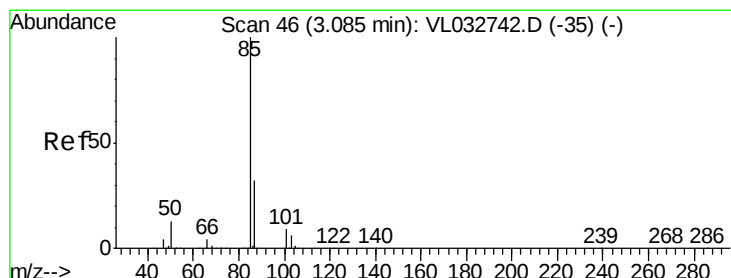
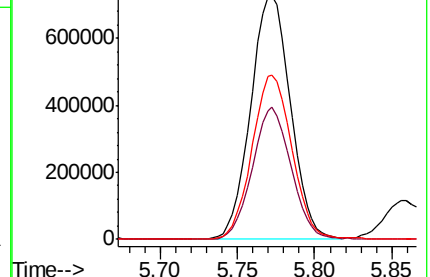
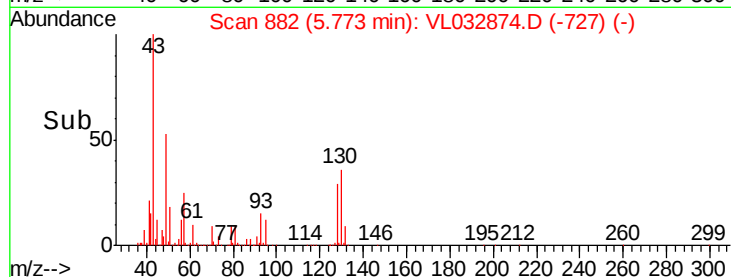
130 67.8 31.4 94.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

1000000 Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.770 ppbv

RT: 3.08 min Scan# 45

Delta R.T. -0.00 min

Lab File: VL032874.D

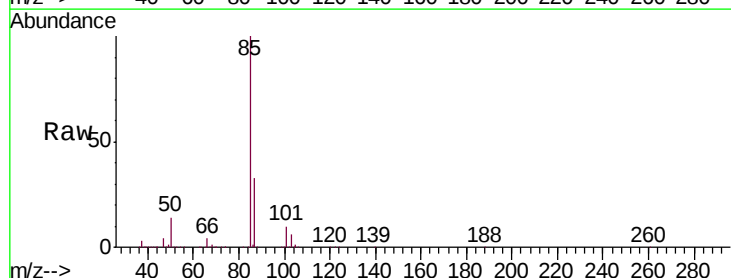
Acq: 4 Dec 2018 9:53

Tgt Ion: 85 Resp: 1646165

Ion Ratio Lower Upper

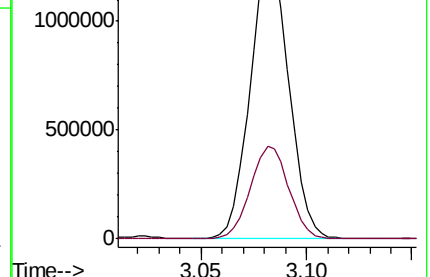
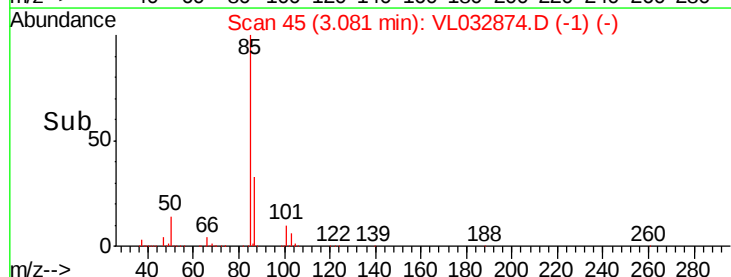
85 100

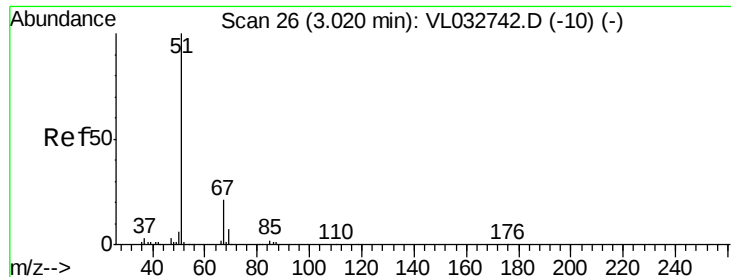
87 32.7 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

1500000 Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.811 ppbv

RT: 3.02 min Scan# 26

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

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ClientSampleId :

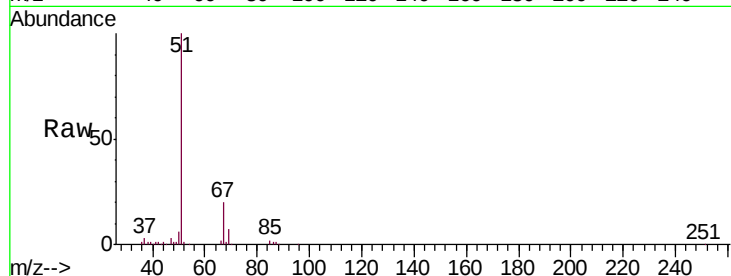
VSTDCCC010

Tgt Ion: 51 Resp: 1015653

Ion Ratio Lower Upper

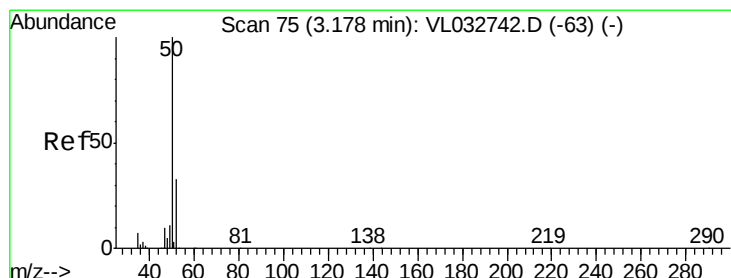
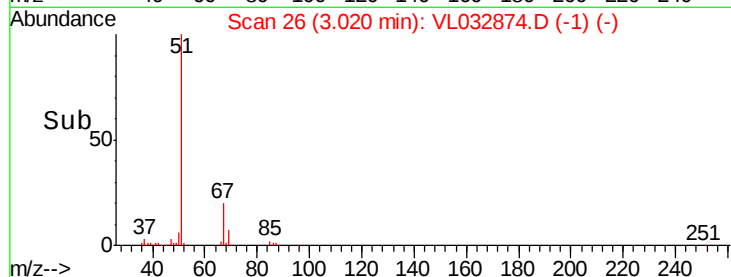
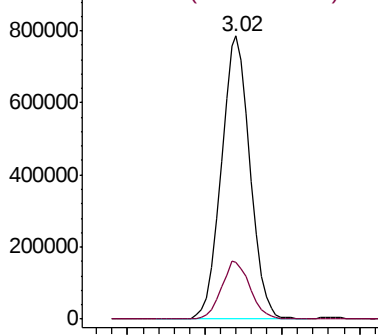
51 100

67 20.3 16.1 24.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.439 ppbv

RT: 3.18 min Scan# 75

Delta R.T. -0.00 min

Lab File: VL032874.D

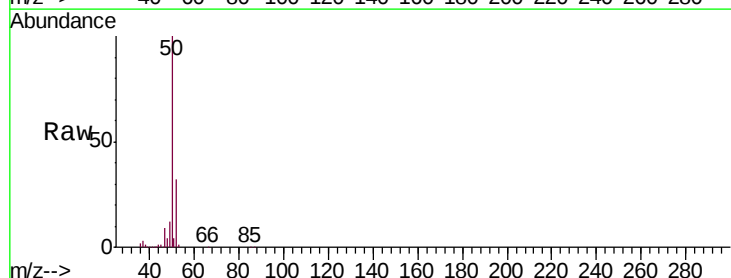
Acq: 4 Dec 2018 9:53

Tgt Ion: 50 Resp: 541843

Ion Ratio Lower Upper

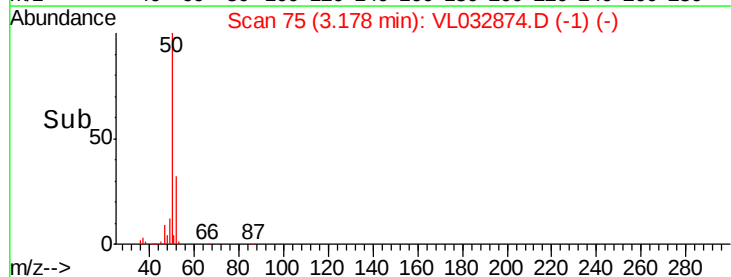
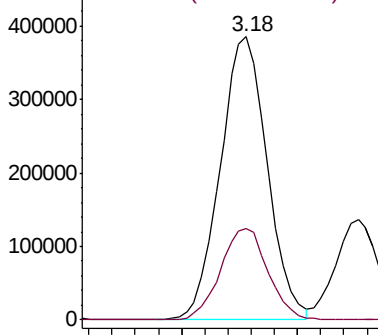
50 100

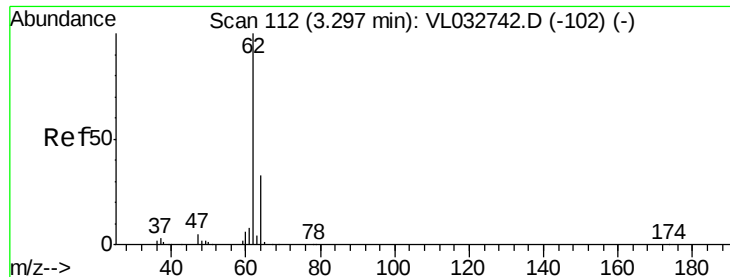
52 32.5 26.6 40.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.464 ppbv

RT: 3.30 min Scan# 112

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

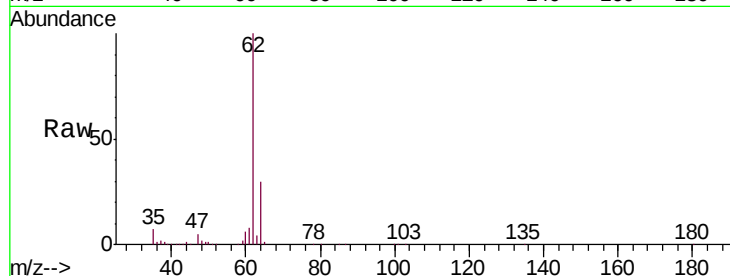
VSTDCCC010

Tgt Ion: 62 Resp: 575616

Ion Ratio Lower Upper

62 100

64 29.7 26.2 39.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.30

400000

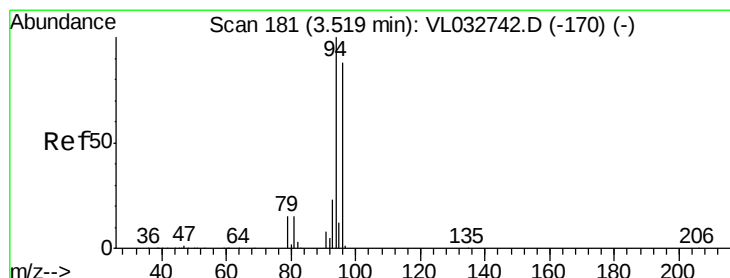
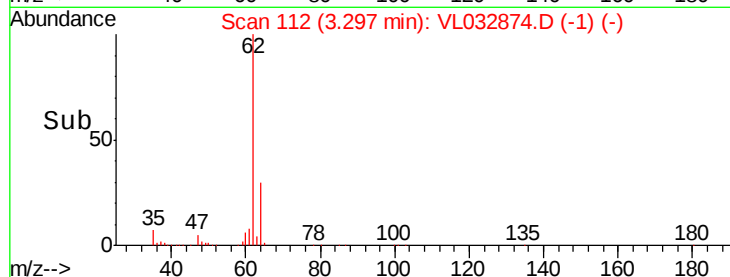
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.406 ppbv

RT: 3.52 min Scan# 182

Delta R.T. 0.00 min

Lab File: VL032874.D

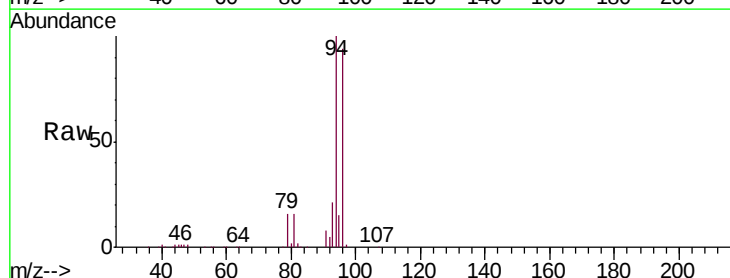
Acq: 4 Dec 2018 9:53

Tgt Ion: 94 Resp: 387186

Ion Ratio Lower Upper

94 100

96 94.3 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.52

300000

250000

200000

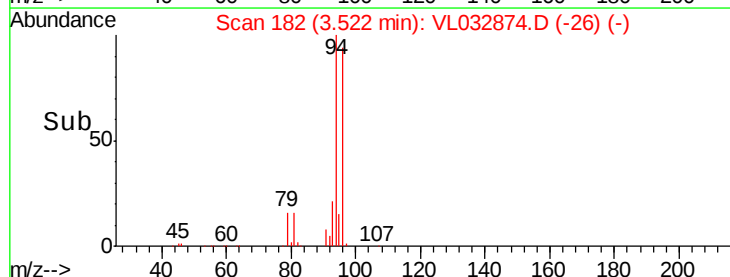
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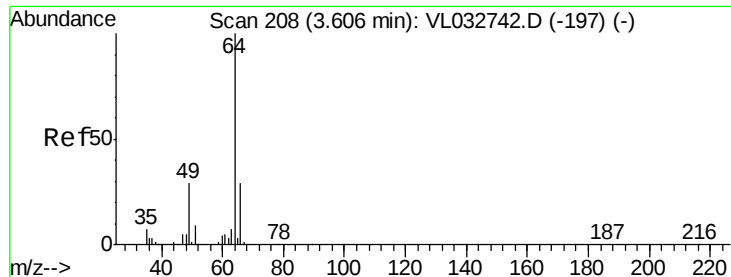
100000

50000

0

Time-->





#7

Chloroethane

Concen: 10.379 ppbv

RT: 3.61 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

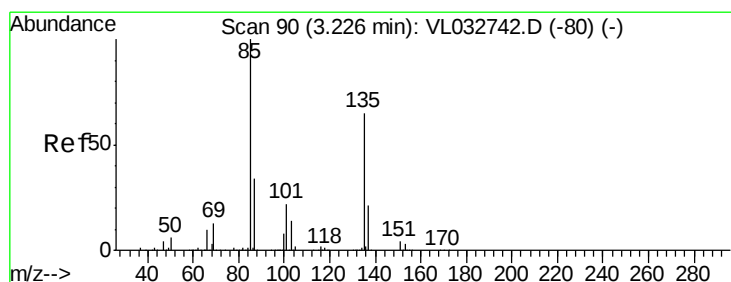
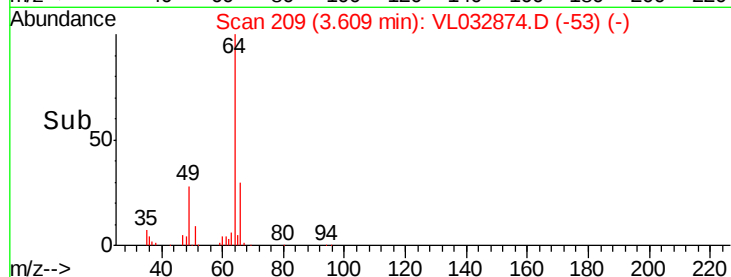
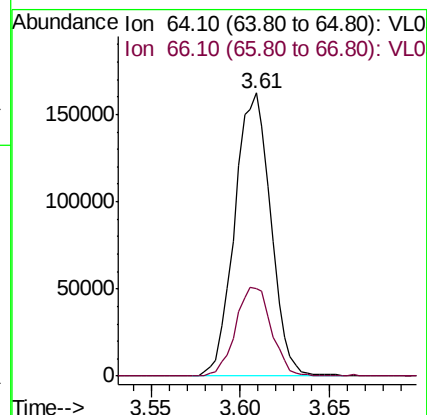
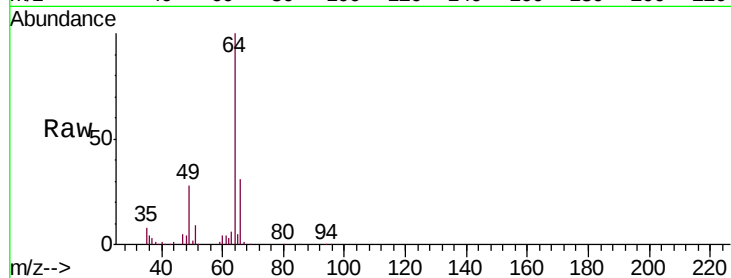
VSTDCCC010

Tgt Ion: 64 Resp: 227524

Ion Ratio Lower Upper

64 100

66 30.8 23.2 34.8



#8

Dichlorotetrafluoroethane

Concen: 9.816 ppbv

RT: 3.23 min Scan# 90

Delta R.T. -0.00 min

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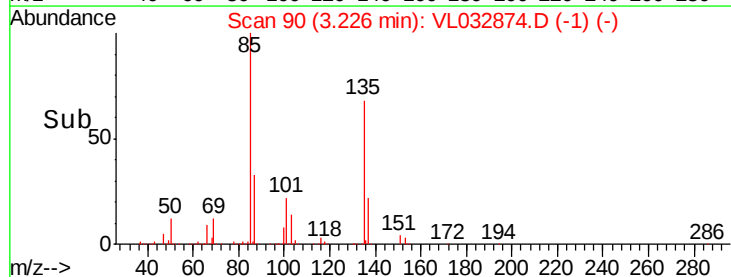
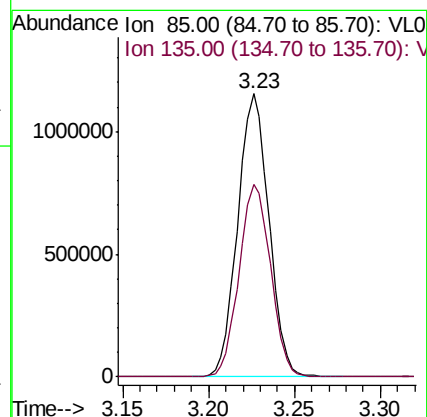
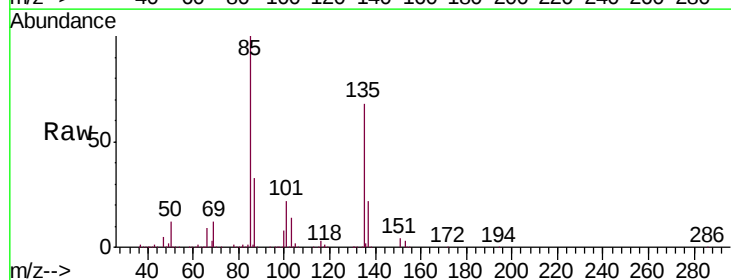
Acq: 4 Dec 2018 9:53

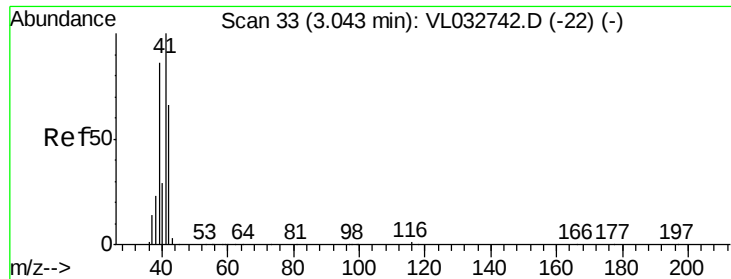
Tgt Ion: 85 Resp: 1451899

Ion Ratio Lower Upper

85 100

135 69.1 53.8 80.8





#9

Propene

Concen: 10.195 ppbv

RT: 3.04 min Scan# 33

Delta R.T. -0.00 min

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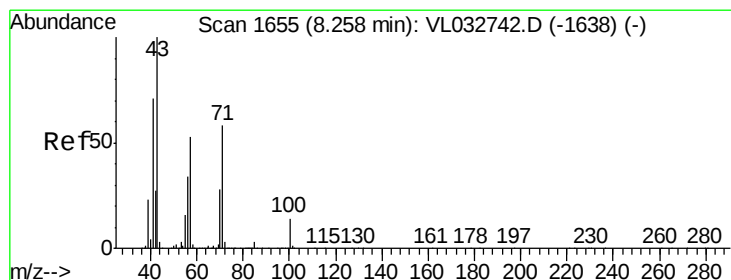
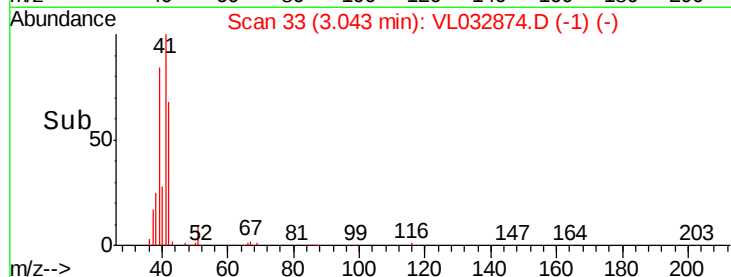
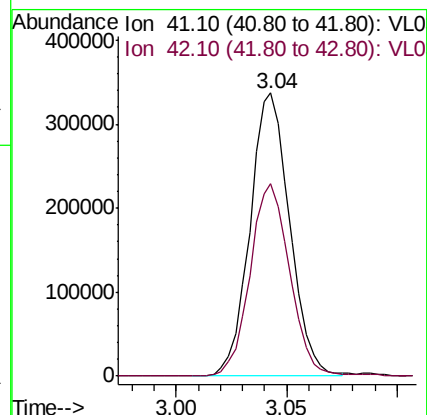
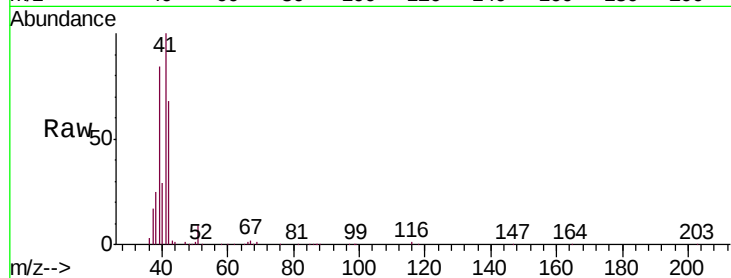
VSTDCCC010

Tgt Ion: 41 Resp: 422359

Ion Ratio Lower Upper

41 100

42 68.7 55.0 82.6



#10

Heptane

Concen: 10.727 ppbv

RT: 8.25 min Scan# 1654

Delta R.T. -0.00 min

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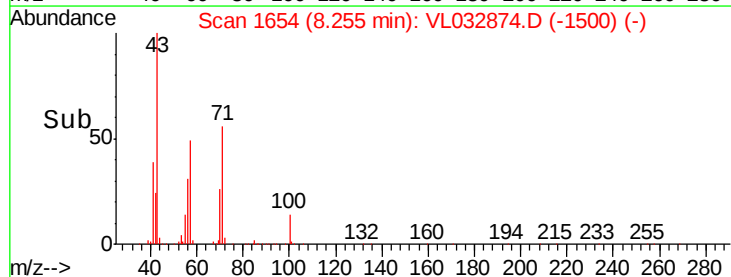
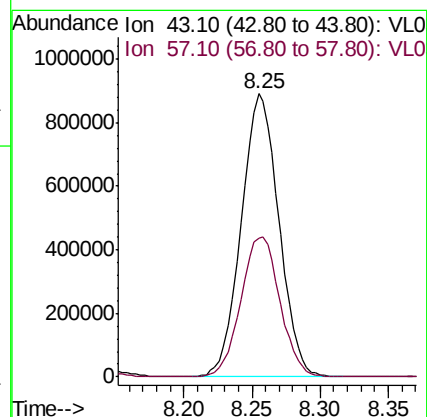
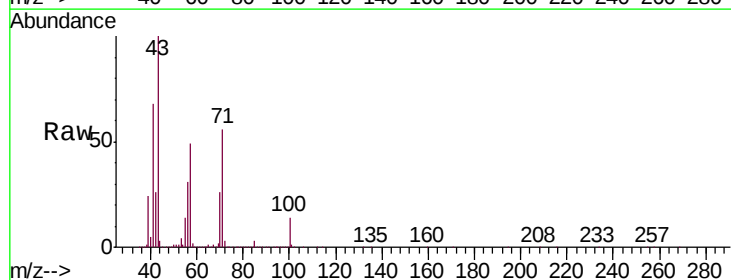
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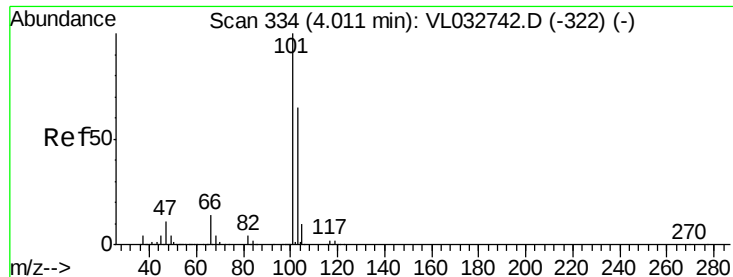
Tgt Ion: 43 Resp: 1696553

Ion Ratio Lower Upper

43 100

57 51.6 41.8 62.8

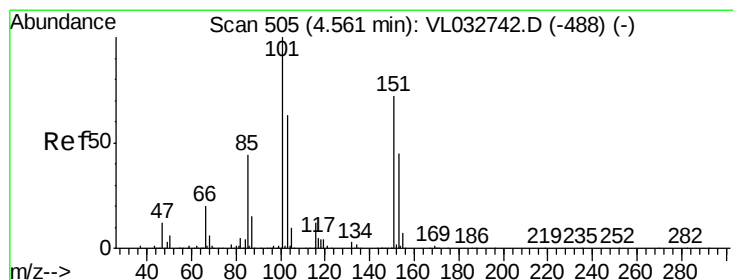
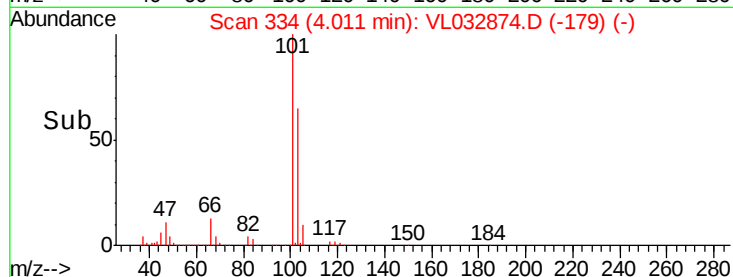
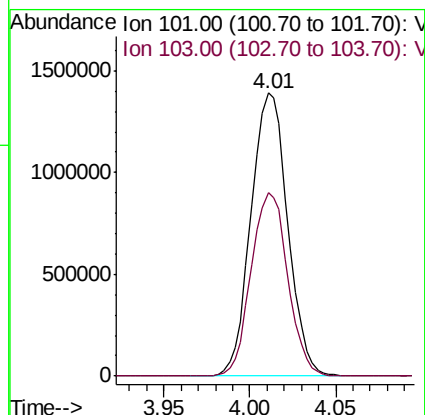
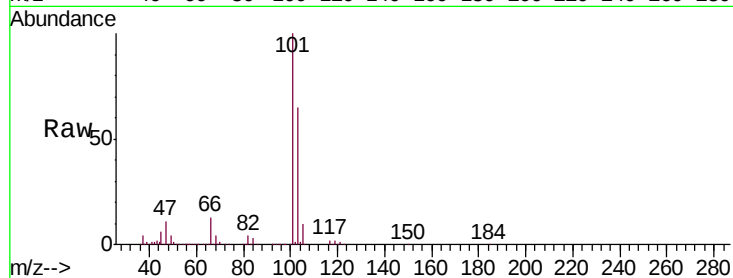




#11
 Trichlorofluoromethane
 Concen: 11.647 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. -0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

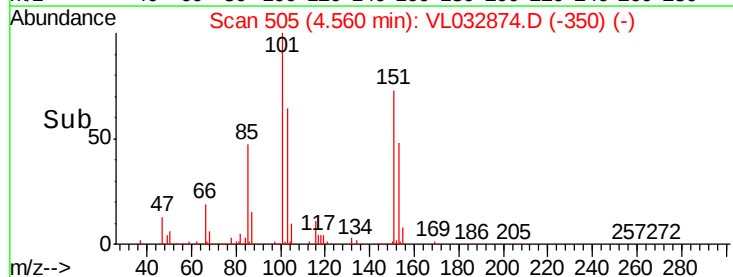
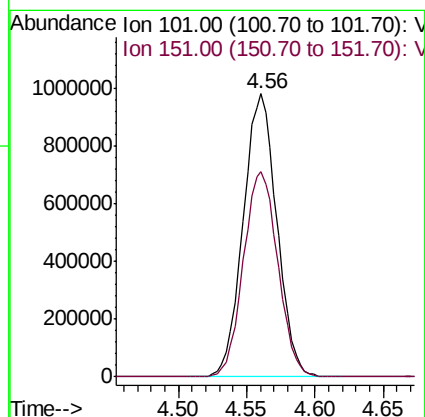
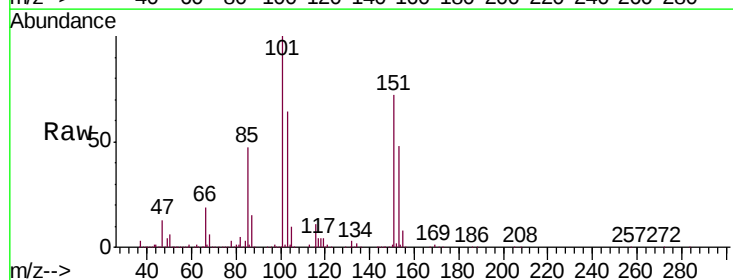
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

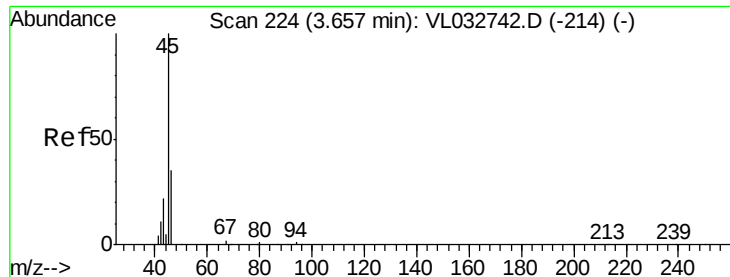
Tgt Ion:101 Resp: 2060245
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.610 ppbv
 RT: 4.56 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

Tgt Ion:101 Resp: 1677474
 Ion Ratio Lower Upper
 101 100
 151 74.3 56.7 85.1





#13

Ethanol

Concen: 7.587 ppbv

RT: 3.65 min Scan# 223

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

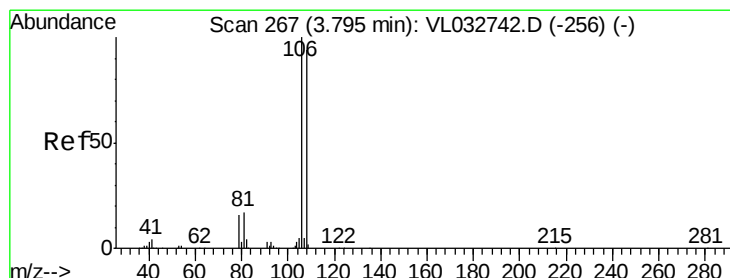
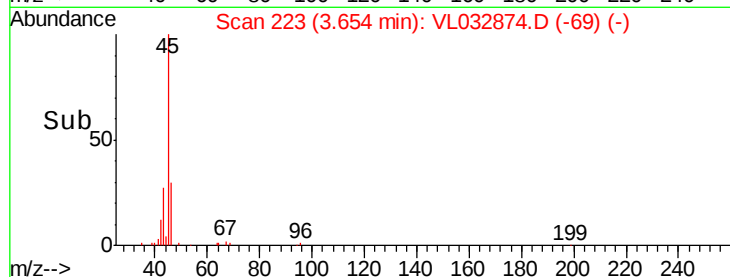
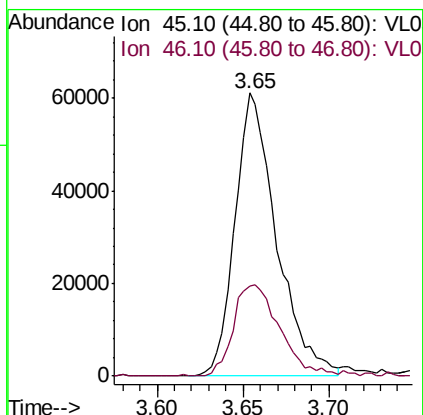
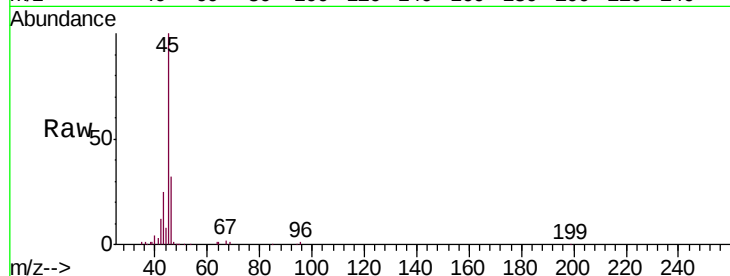
VSTDCCC010

Tgt Ion: 45 Resp: 102955

Ion Ratio Lower Upper

45 100

46 37.0 14.5 57.9



#14

Bromoethene

Concen: 10.423 ppbv

RT: 3.80 min Scan# 267

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

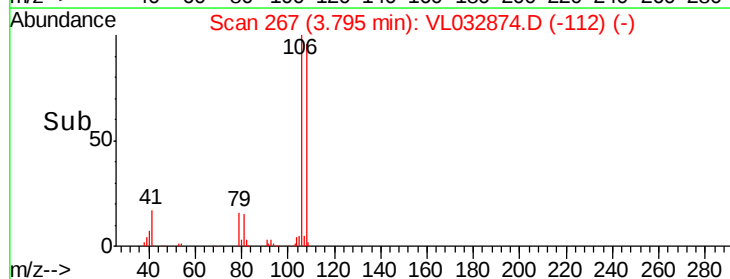
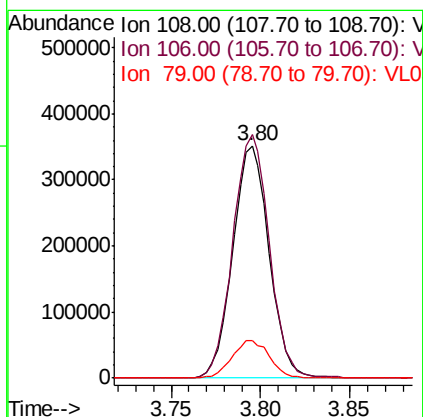
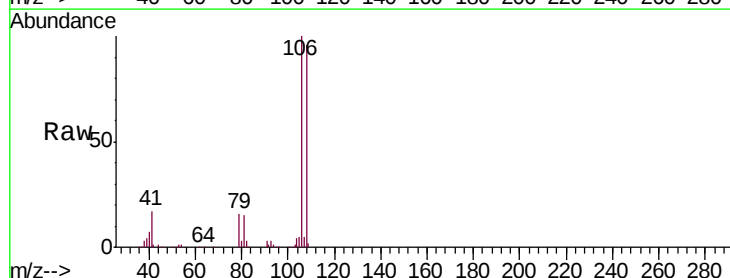
Tgt Ion: 108 Resp: 499593

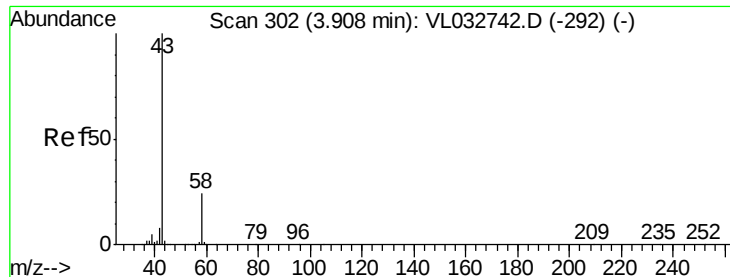
Ion Ratio Lower Upper

108 100

106 105.8 84.9 127.3

79 16.9 14.2 21.4





#15

Acetone

Concen: 8.748 ppbv

RT: 3.91 min Scan# 302

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

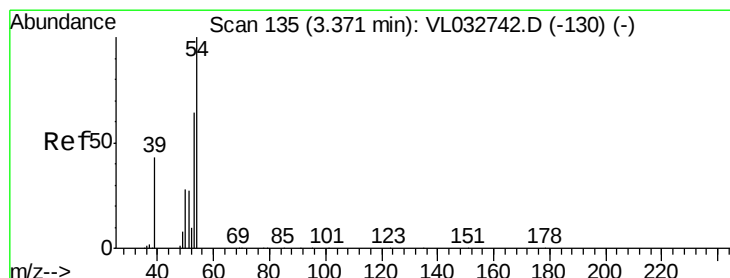
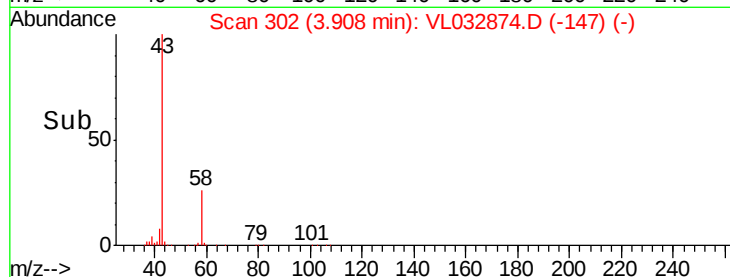
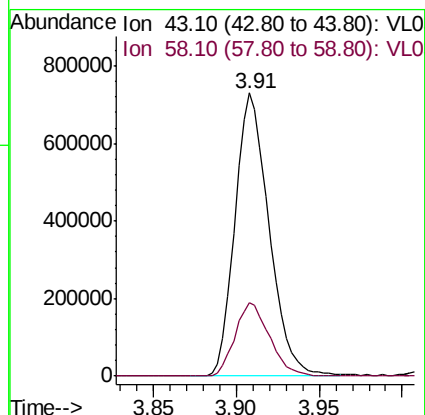
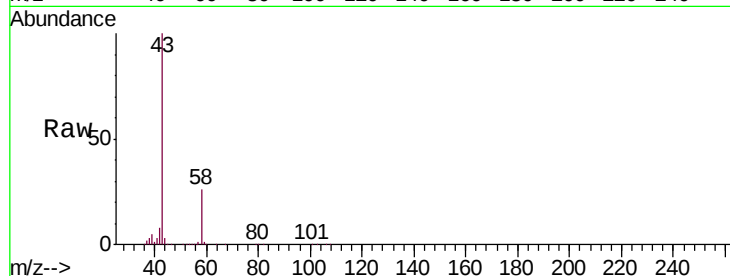
VSTDCCC010

Tgt Ion: 43 Resp: 1043186

Ion Ratio Lower Upper

43 100

58 26.5 21.1 31.7



#16

1,3-Butadiene

Concen: 9.972 ppbv

RT: 3.37 min Scan# 134

Delta R.T. -0.00 min

Lab File: VL032874.D

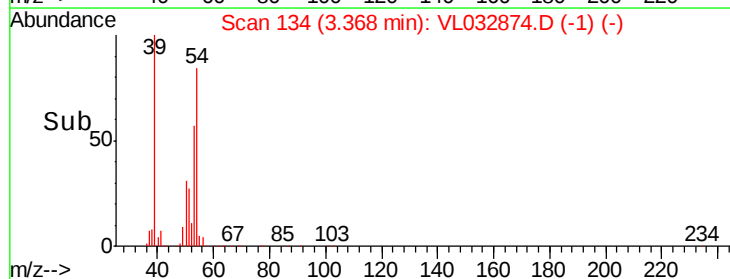
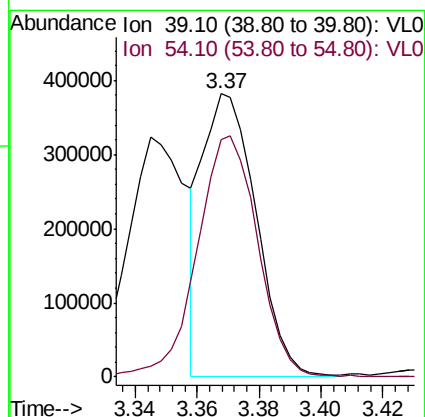
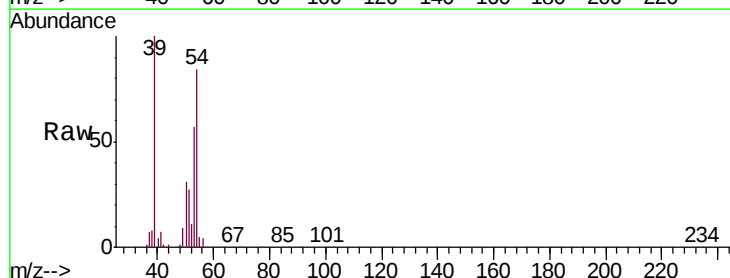
Acq: 4 Dec 2018 9:53

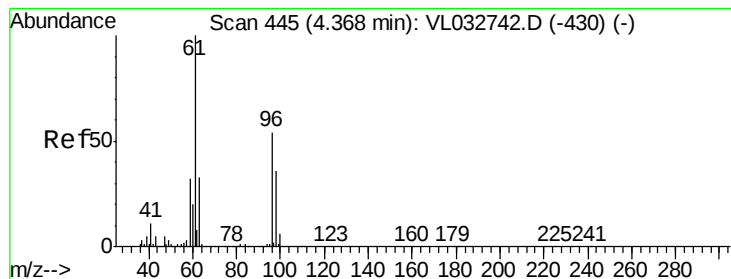
Tgt Ion: 39 Resp: 460514

Ion Ratio Lower Upper

39 100

54 96.7 68.9 103.3





#17

tert-Butyl alcohol

Concen: 11.828 ppbv

RT: 4.36 min Scan# 444

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

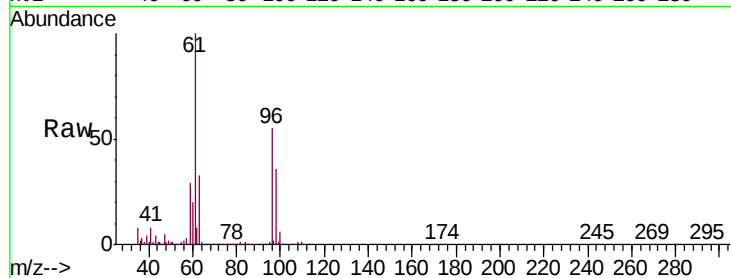
VSTDCCC010

Tgt Ion: 59 Resp: 442353

Ion Ratio Lower Upper

59 100

57 9.9 7.8 11.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.36

250000

200000

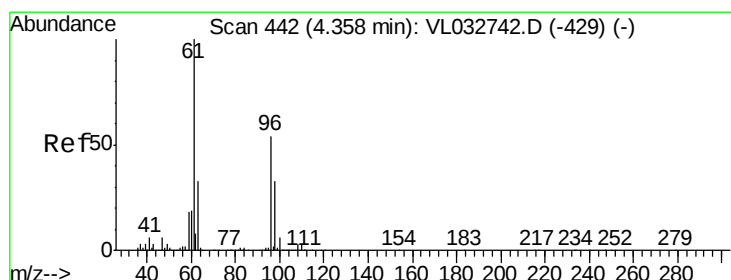
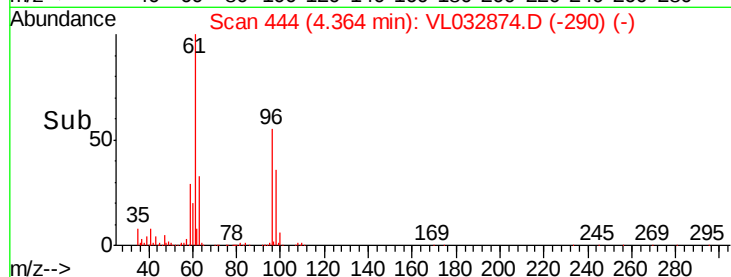
150000

100000

50000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.917 ppbv

RT: 4.36 min Scan# 442

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

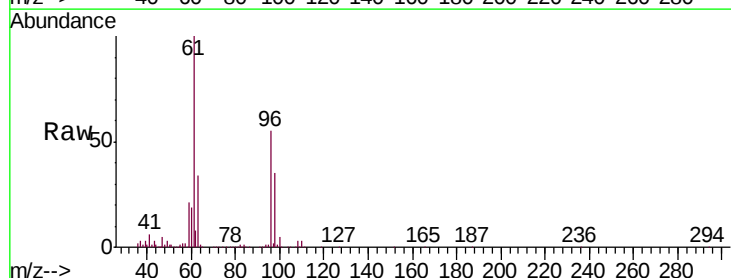
Tgt Ion: 96 Resp: 775601

Ion Ratio Lower Upper

96 100

61 183.5 148.5 222.7

98 64.7 48.6 72.8



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1200000

1000000

800000

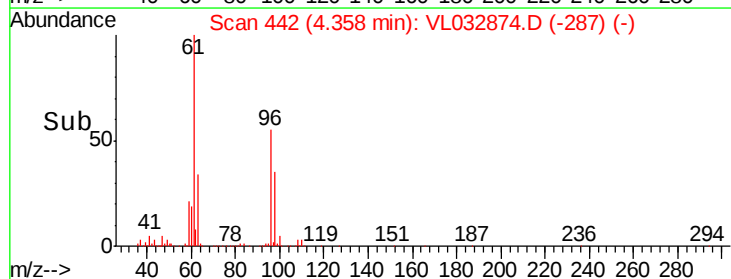
600000

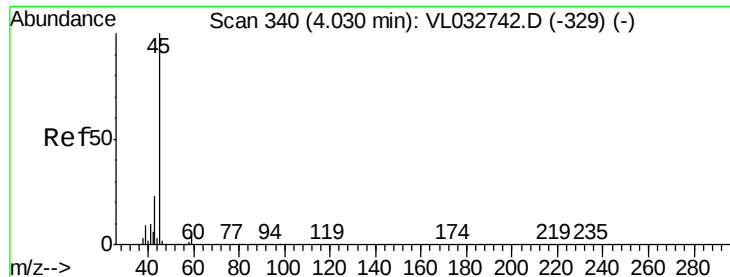
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 11.515 ppbv

RT: 4.03 min Scan# 340

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

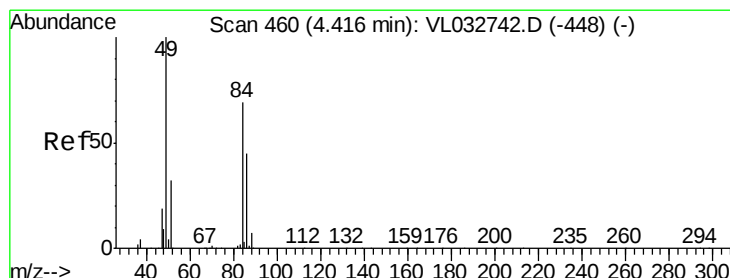
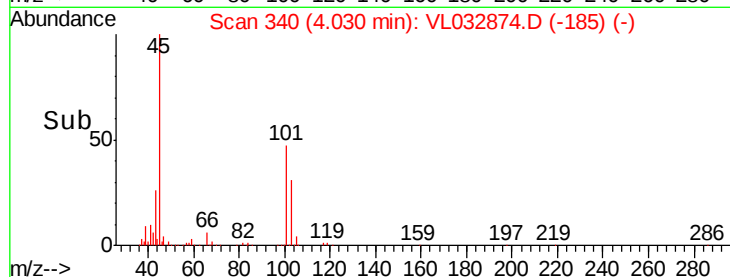
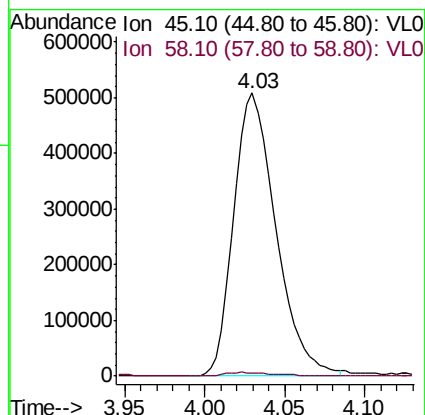
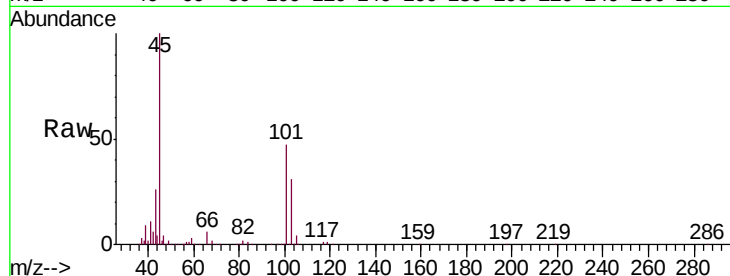
VSTDCCC010

Tgt Ion: 45 Resp: 914761

Ion Ratio Lower Upper

45 100

58 2.0 1.4 2.0



#20

Methylene Chloride

Concen: 10.844 ppbv

RT: 4.42 min Scan# 460

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Tgt Ion: 84 Resp: 669452

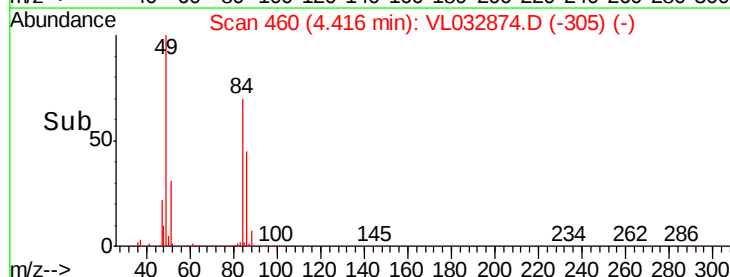
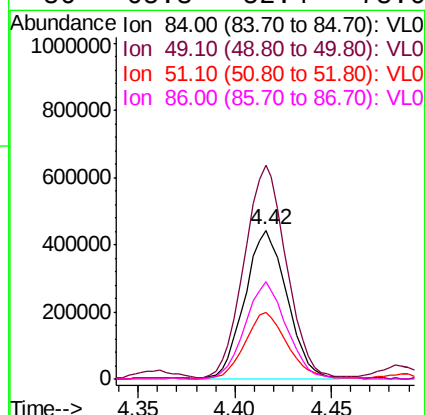
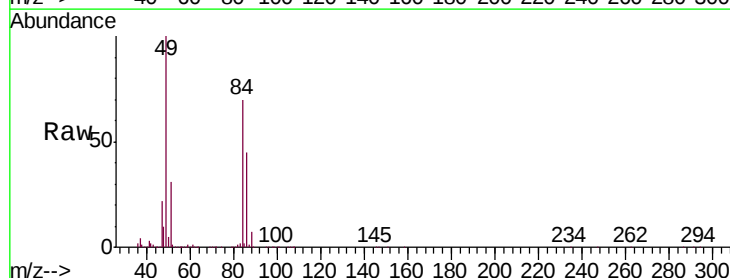
Ion Ratio Lower Upper

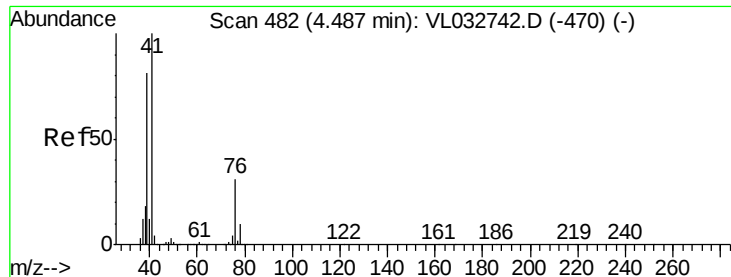
84 100

49 142.7 115.8 173.6

51 44.0 36.9 55.3

86 65.3 52.4 78.6

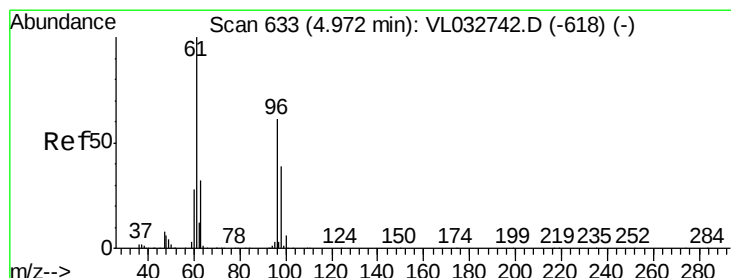
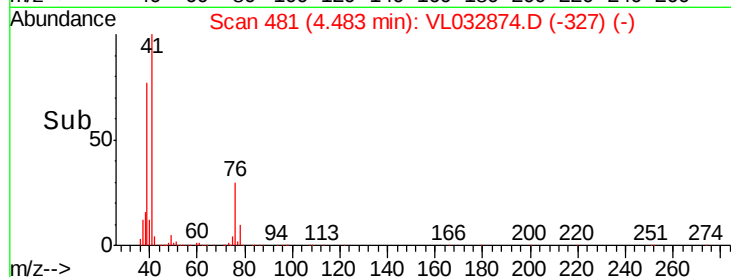
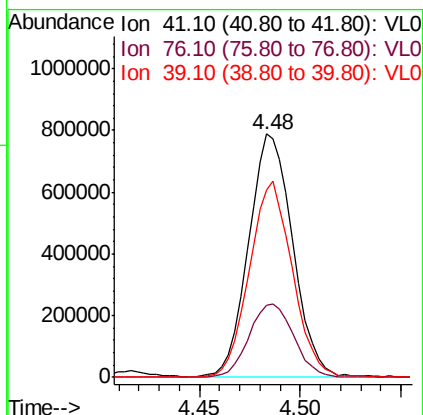
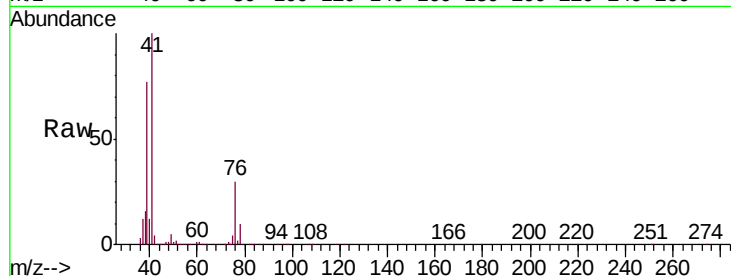




#21
 Allyl Chloride
 Concen: 11.951 ppbv
 RT: 4.48 min Scan# 481
 Delta R.T. -0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

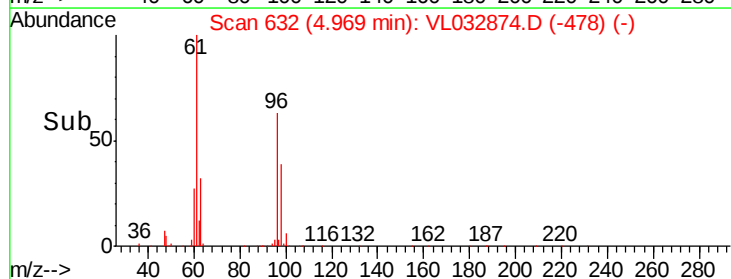
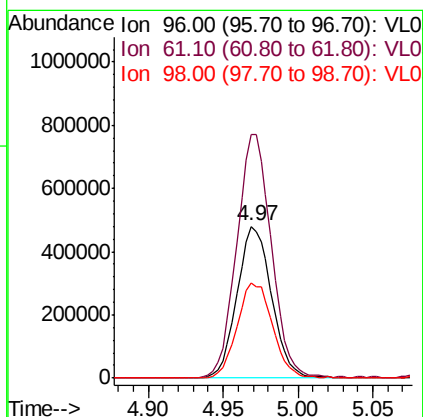
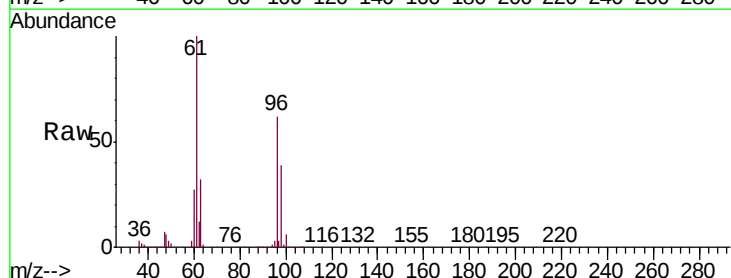
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

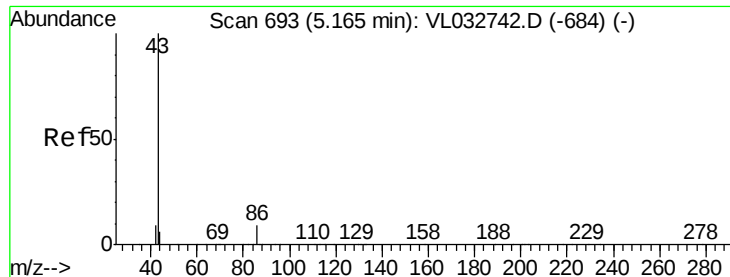
Tgt Ion: 41 Resp: 1197629
 Ion Ratio Lower Upper
 41 100
 76 31.1 24.4 36.6
 39 78.9 63.5 95.3



#22
 trans-1,2-Dichloroethene
 Concen: 11.163 ppbv
 RT: 4.97 min Scan# 632
 Delta R.T. -0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

Tgt Ion: 96 Resp: 774425
 Ion Ratio Lower Upper
 96 100
 61 160.4 130.2 195.2
 98 62.9 50.2 75.2





#23

Vinyl Acetate

Concen: 10.859 ppbv

RT: 5.16 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

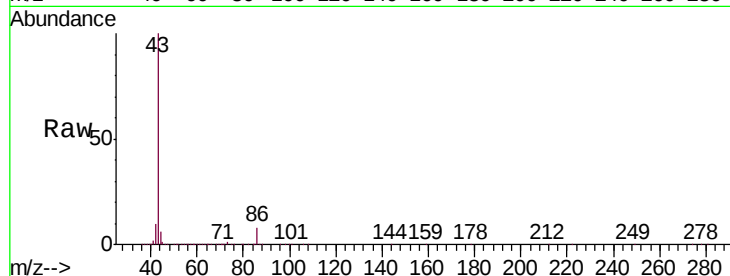
MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2360373

Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.2	9.4
42	10.1	7.8	11.6
44	5.5	4.4	6.6

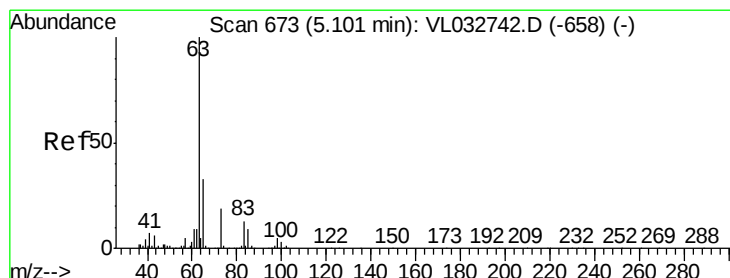
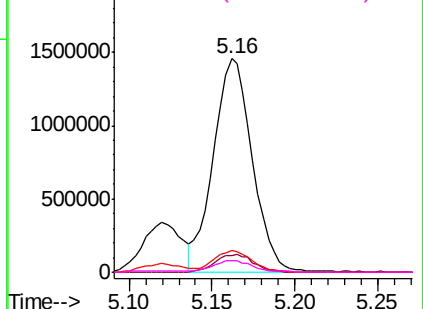
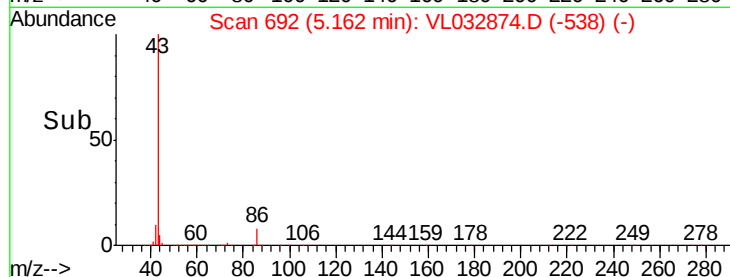


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.567 ppbv

RT: 5.10 min Scan# 673

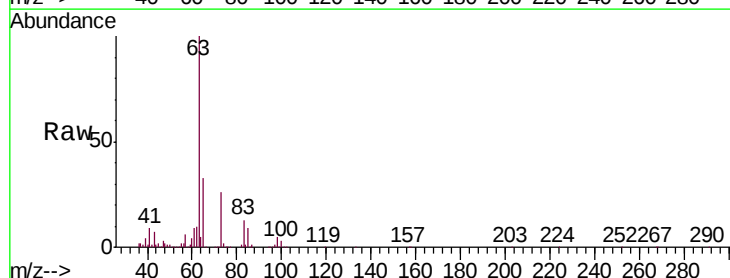
Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Tgt Ion: 63 Resp: 1826038

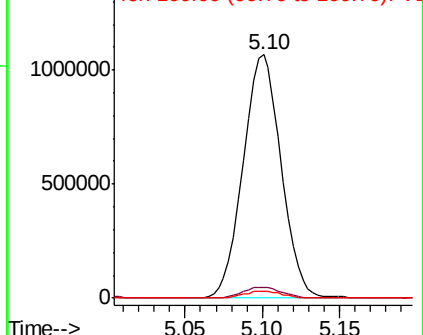
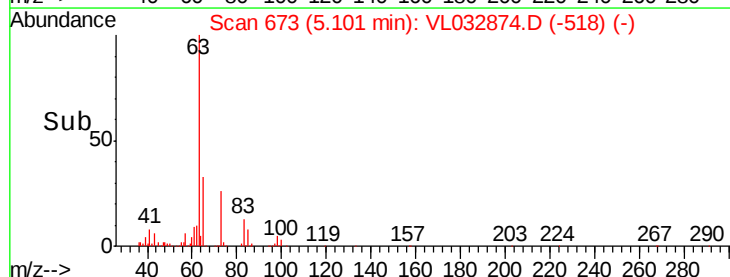
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.3	6.8
100	3.0	1.4	4.2

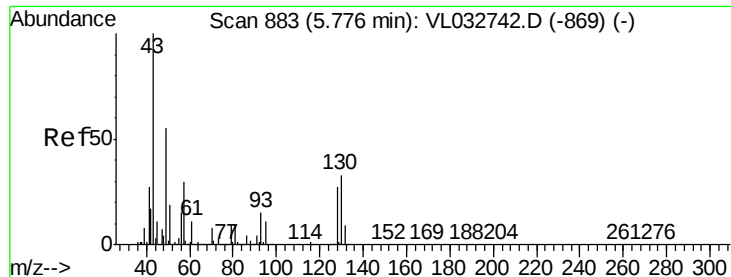


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



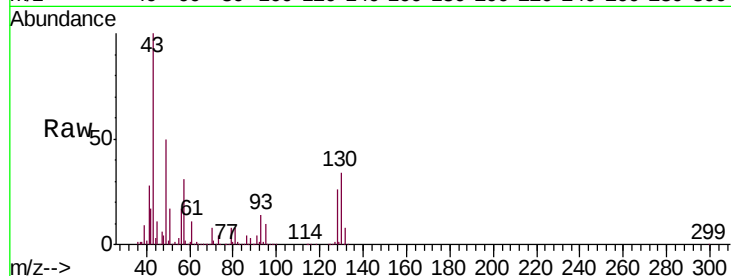


#25
Ethyl Acetate
Concen: 10.324 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL032874.D
Acq: 4 Dec 2018 9:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2869377

Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.9	11.9
61	9.3	7.8	11.6
70	7.4	5.8	8.6



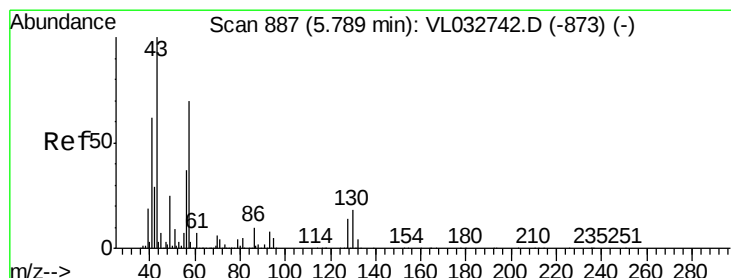
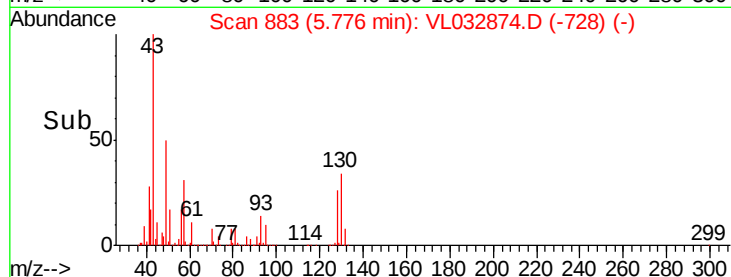
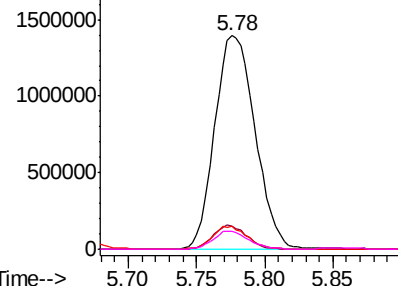
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

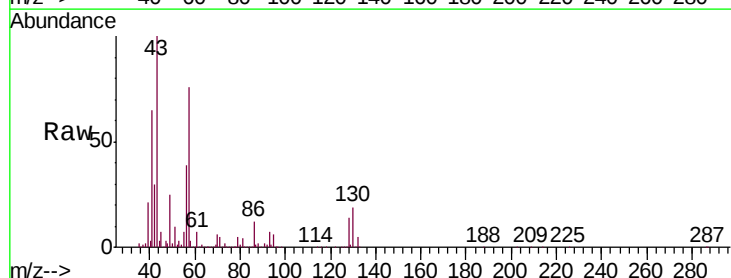
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.606 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.00 min
Lab File: VL032874.D
Acq: 4 Dec 2018 9:53

Tgt Ion: 57 Resp: 1312115

Ion	Ratio	Lower	Upper
57	100		
41	88.6	70.3	105.5
43	219.2	174.0	261.0
56	53.2	42.3	63.5



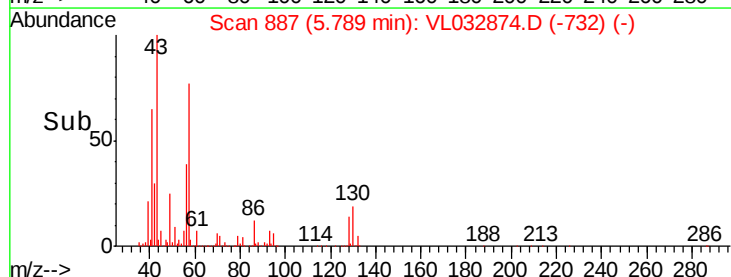
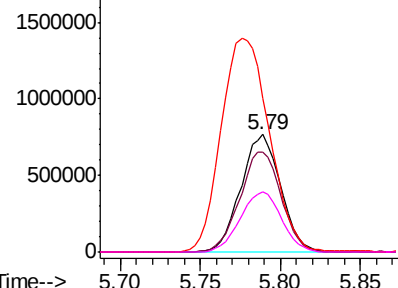
Abundance

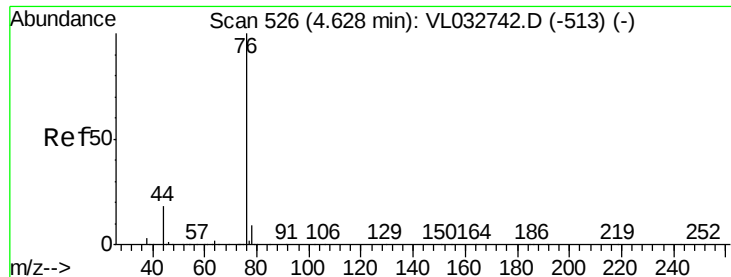
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 12.525 ppbv

RT: 4.63 min Scan# 526

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

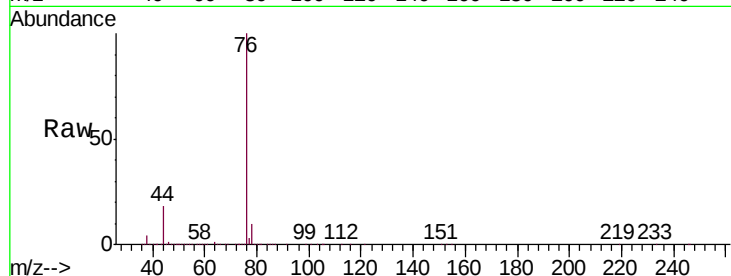
Tgt Ion: 76 Resp: 1964813

Ion Ratio Lower Upper

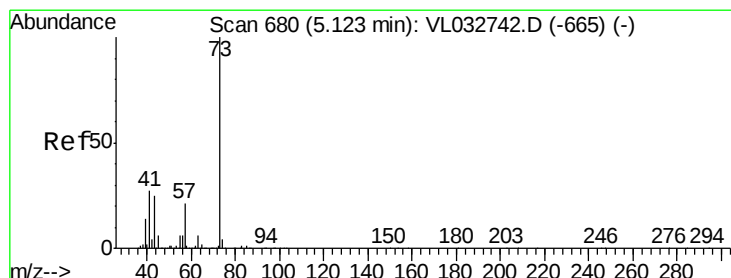
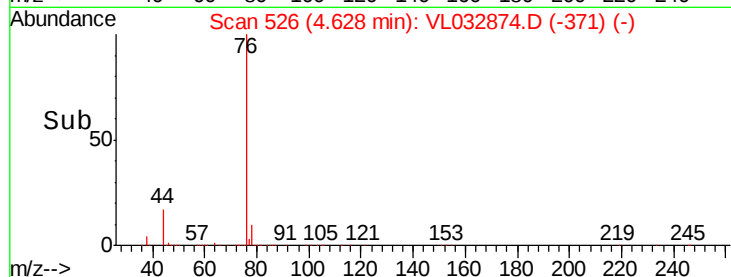
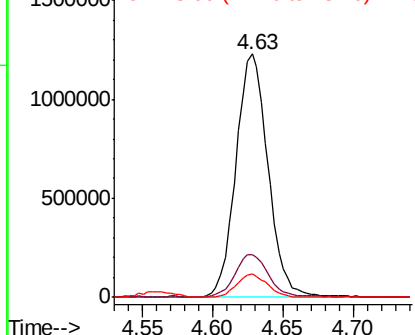
76 100

44 17.7 14.4 21.6

78 9.2 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 12.015 ppbv

RT: 5.12 min Scan# 679

Delta R.T. -0.00 min

Lab File: VL032874.D

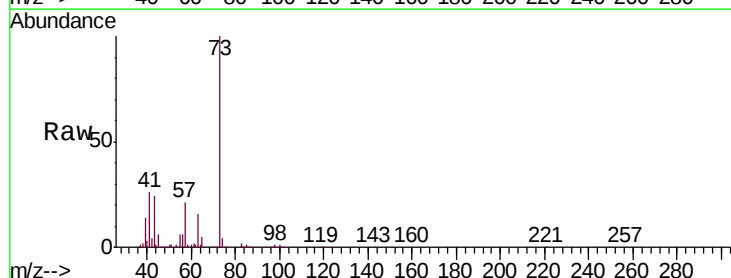
Acq: 4 Dec 2018 9:53

Tgt Ion: 73 Resp: 2370485

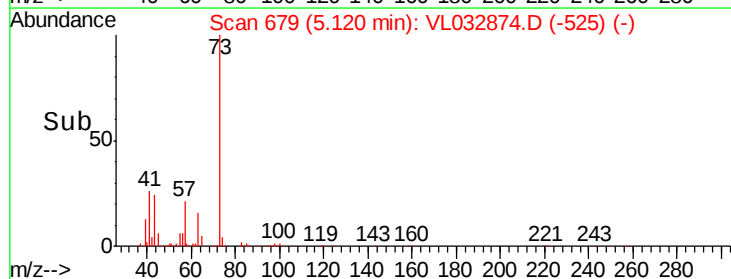
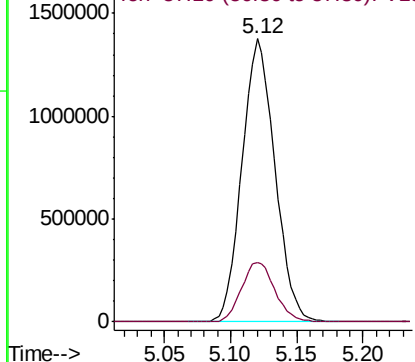
Ion Ratio Lower Upper

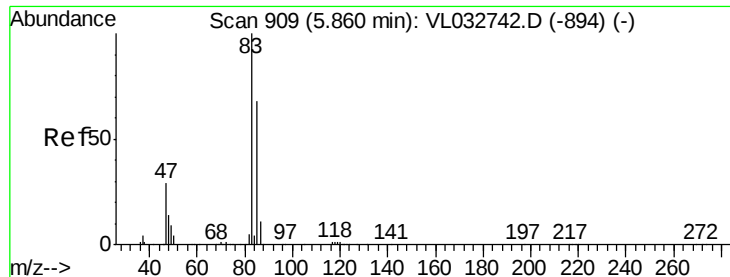
73 100

57 21.7 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.052 ppbv

RT: 5.86 min Scan# 909

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

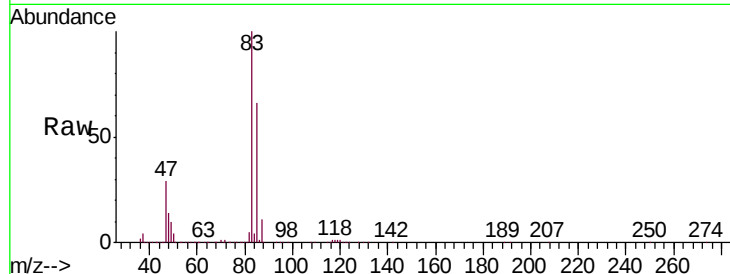
VSTDCCC010

Tgt Ion: 83 Resp: 2216567

Ion Ratio Lower Upper

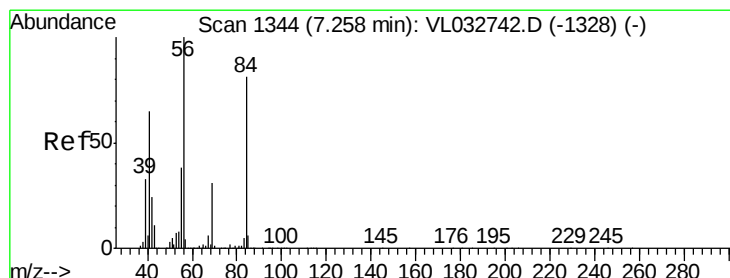
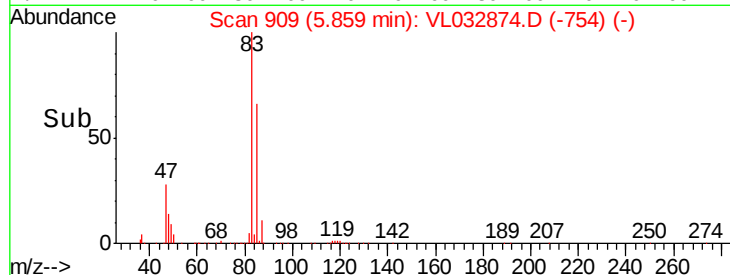
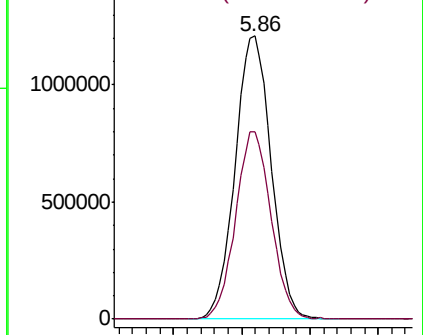
83 100

85 66.0 54.2 81.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 11.266 ppbv

RT: 7.25 min Scan# 1343

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

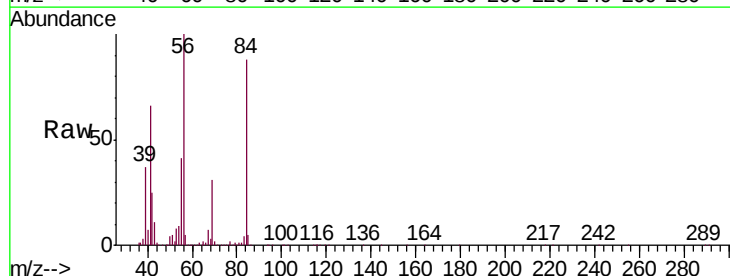
Tgt Ion: 84 Resp: 1219116

Ion Ratio Lower Upper

84 100

56 126.7 105.0 157.4

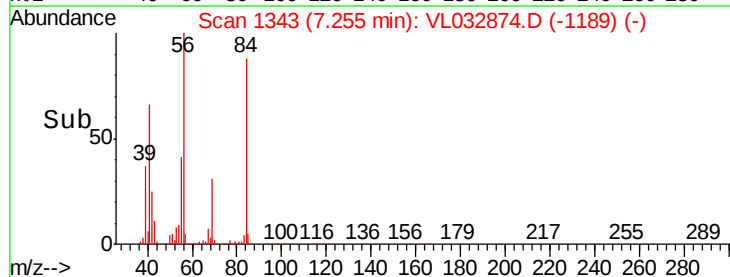
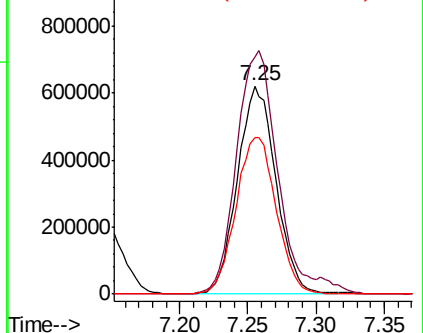
41 79.0 65.3 97.9

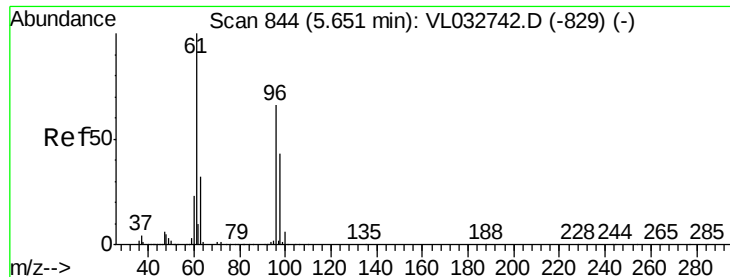


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



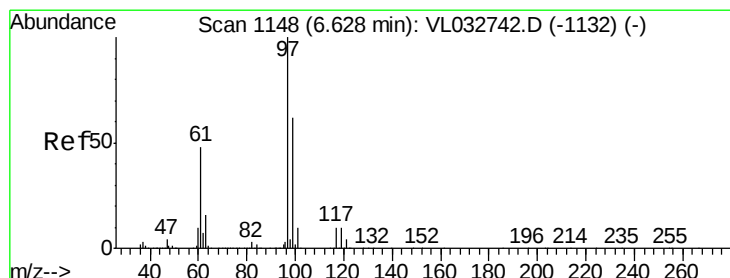
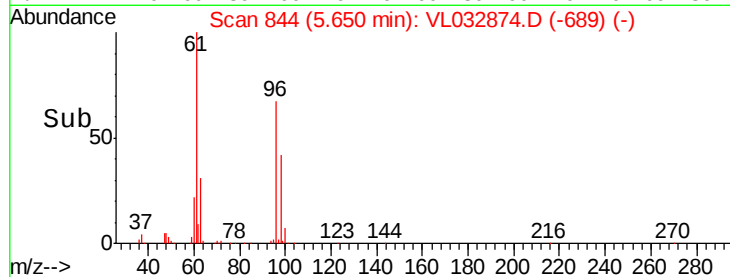
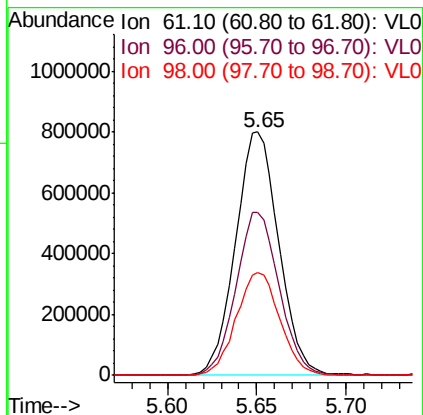
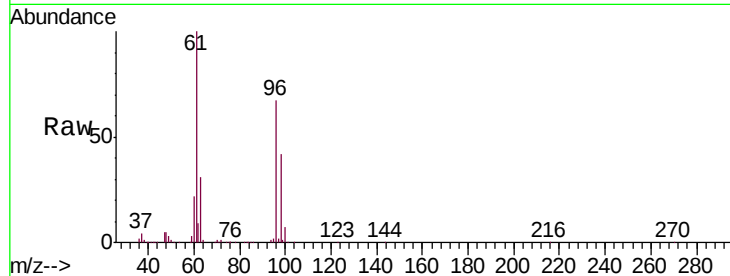


#31

cis-1,2-Dichloroethene
 Concen: 10.894 ppbv
 RT: 5.65 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

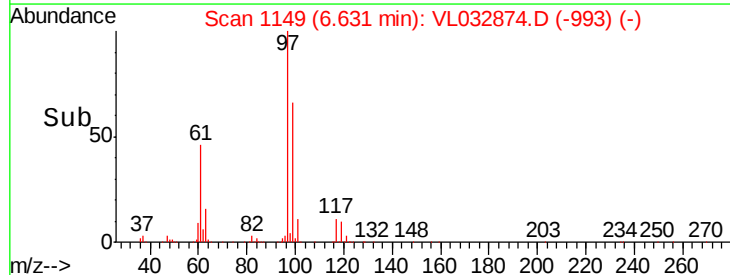
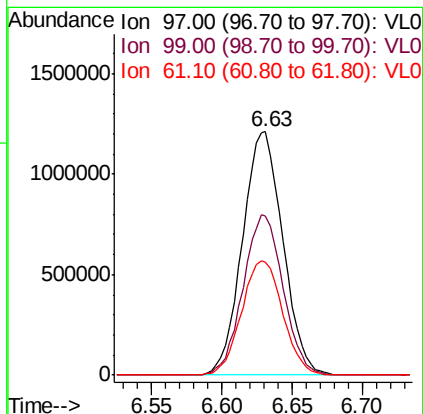
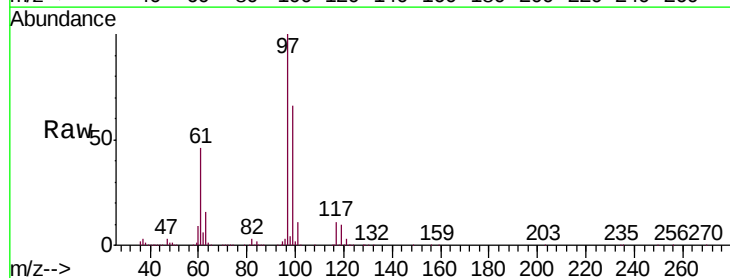
Tgt Ion: 61 Resp: 1355032
 Ion Ratio Lower Upper
 61 100
 96 66.9 53.2 79.8
 98 42.0 34.4 51.6

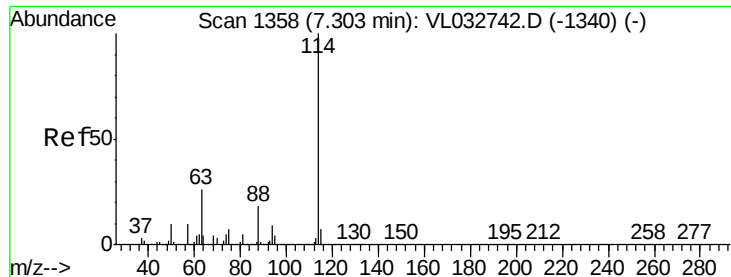


#32

1,1,1-Trichloroethane
 Concen: 10.060 ppbv
 RT: 6.63 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

Tgt Ion: 97 Resp: 2431546
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.8 77.6
 61 47.9 39.7 59.5

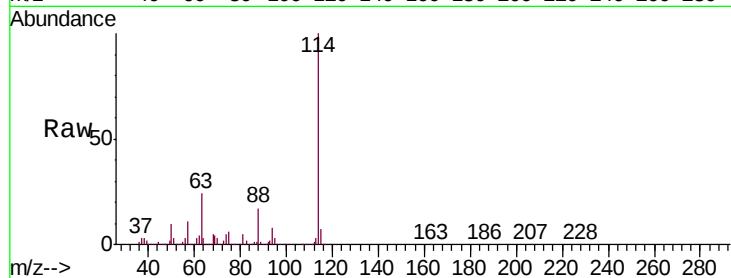




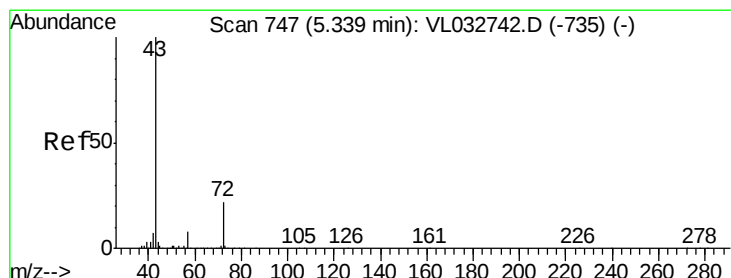
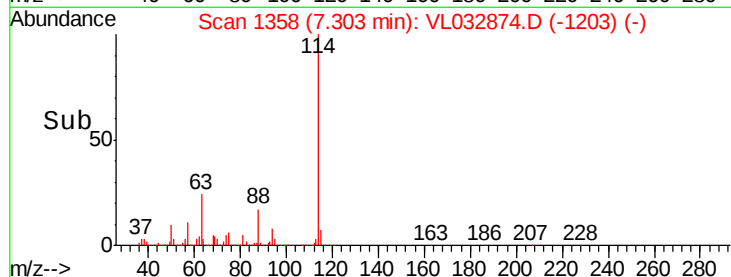
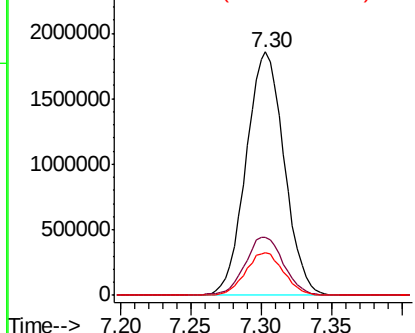
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 114 Resp: 3511821
 Ion Ratio Lower Upper
 114 100
 63 24.3 20.9 31.3
 88 17.5 14.4 21.6

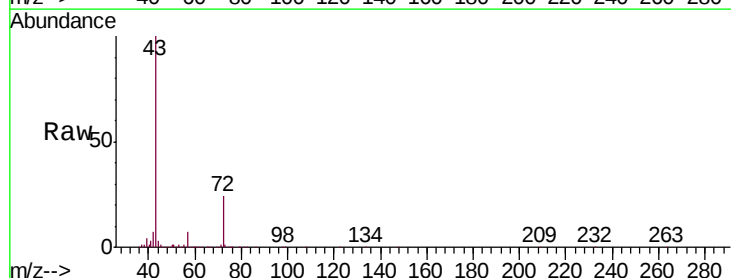


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

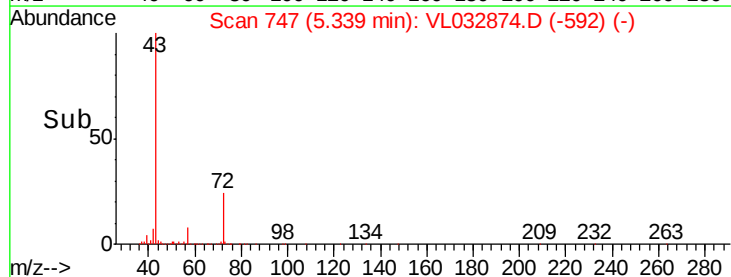
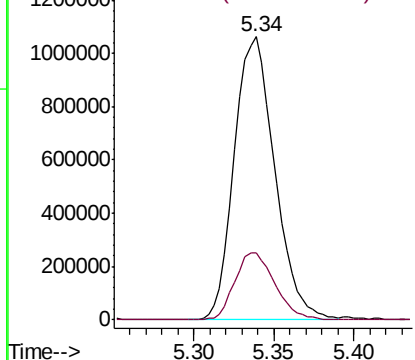


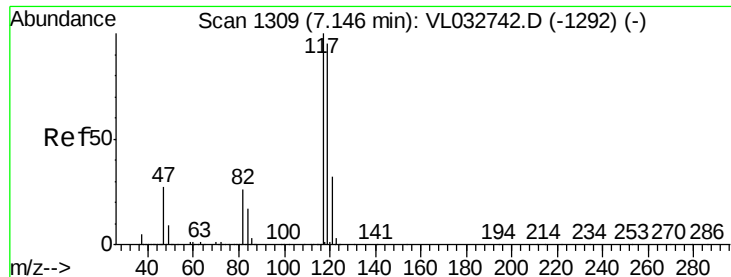
#34
 2-Butanone
 Concen: 10.026 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. -0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

Tgt Ion: 43 Resp: 1826106
 Ion Ratio Lower Upper
 43 100
 72 23.7 18.4 27.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.285 ppbv

RT: 7.15 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

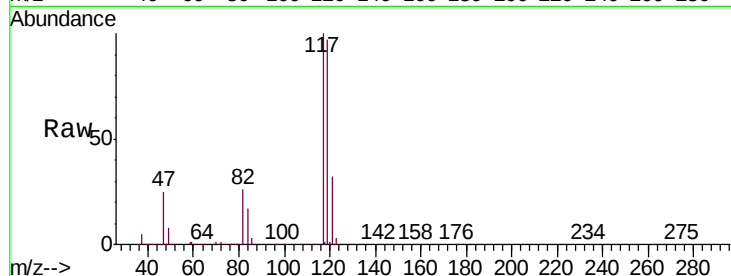
Tgt Ion: 117 Resp: 2621385

Ion Ratio Lower Upper

117 100

119 96.6 76.1 114.1

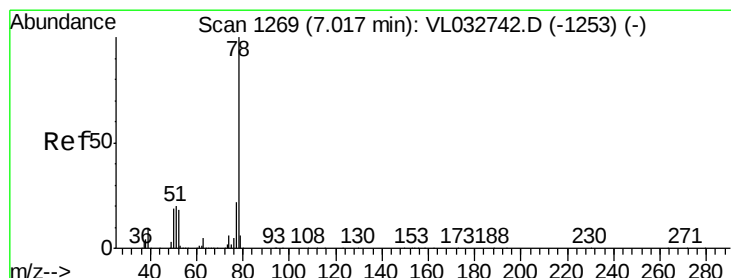
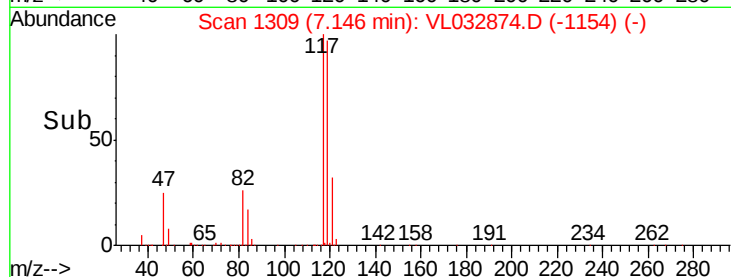
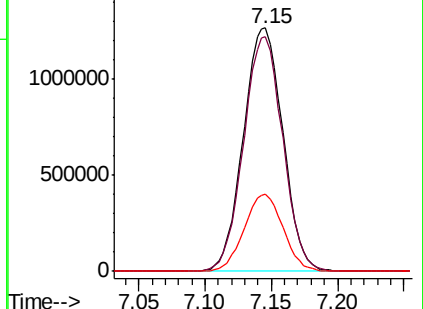
121 31.9 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.096 ppbv

RT: 7.02 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

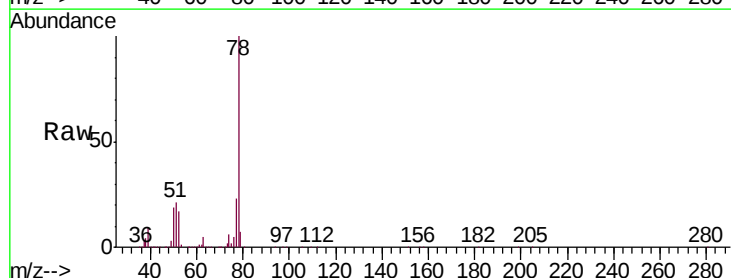
Tgt Ion: 78 Resp: 2823464

Ion Ratio Lower Upper

78 100

77 23.0 17.8 26.8

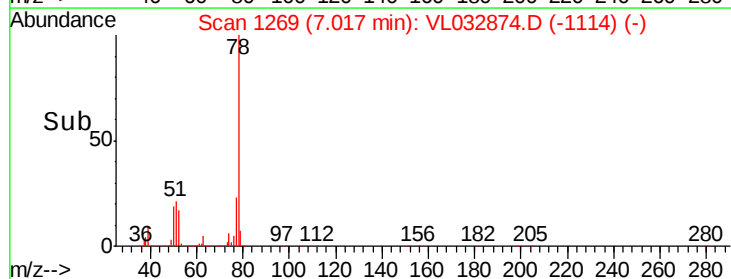
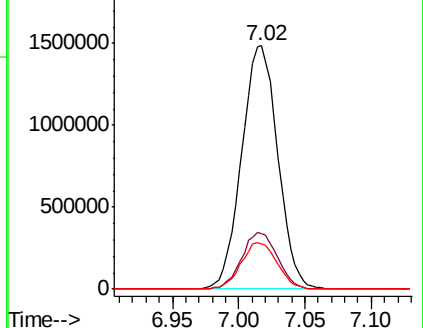
50 18.8 15.4 23.0

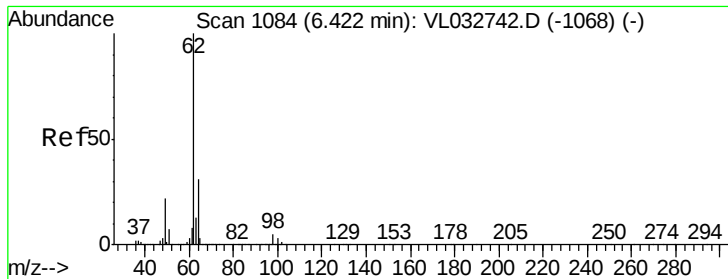


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

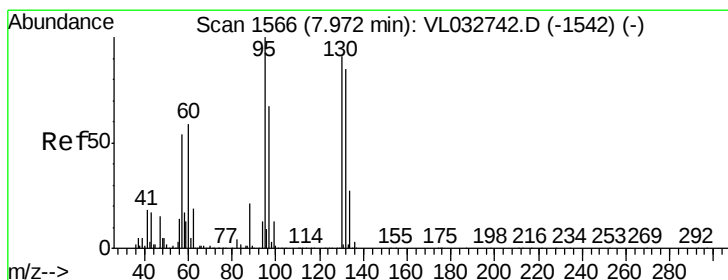
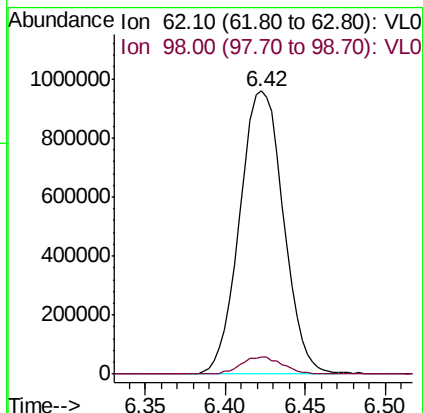
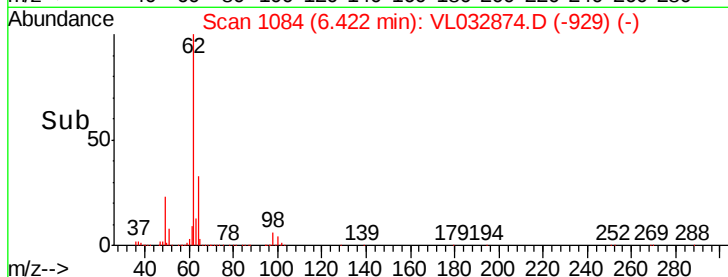
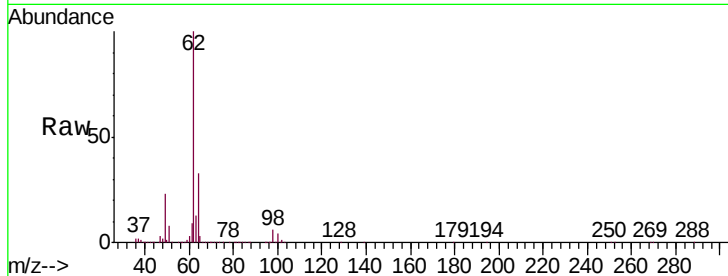




#37
 1,2-Dichloroethane
 Concen: 9.506 ppbv
 RT: 6.42 min Scan# 1084
 Delta R.T. -0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

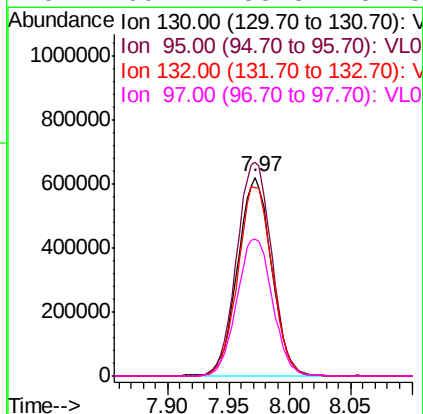
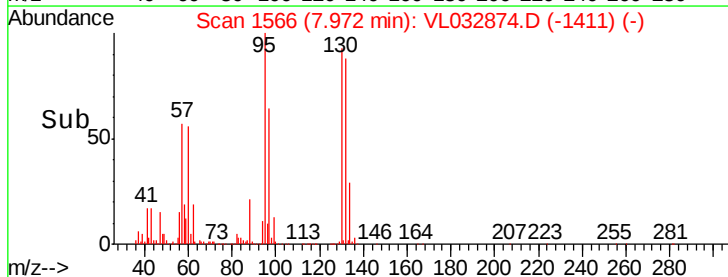
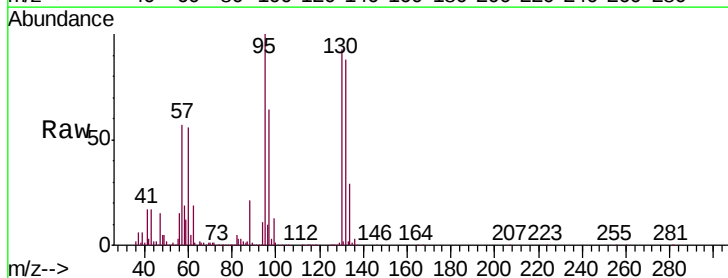
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

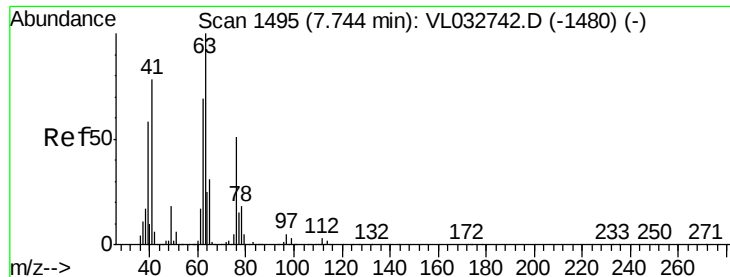
Tgt Ion: 62 Resp: 1789518
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.5 6.7



#38
 Trichloroethene
 Concen: 10.464 ppbv
 RT: 7.97 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

Tgt Ion: 130 Resp: 1184227
 Ion Ratio Lower Upper
 130 100
 95 107.6 87.7 131.5
 132 94.5 74.6 111.8
 97 69.2 58.3 87.5





#39

1,2-Dichloropropane

Concen: 10.026 ppbv

RT: 7.74 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

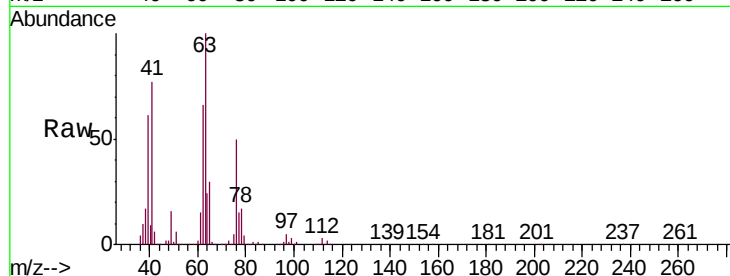
Tgt Ion: 63 Resp: 1068215

Ion Ratio Lower Upper

63 100

41 76.8 62.0 93.0

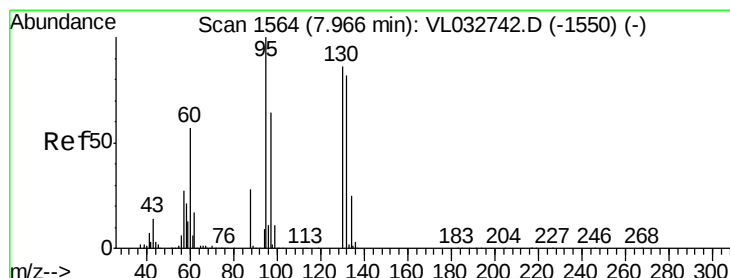
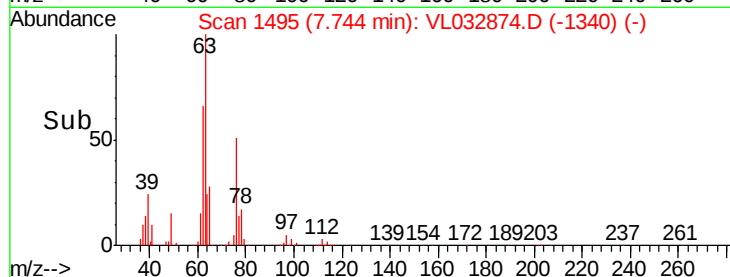
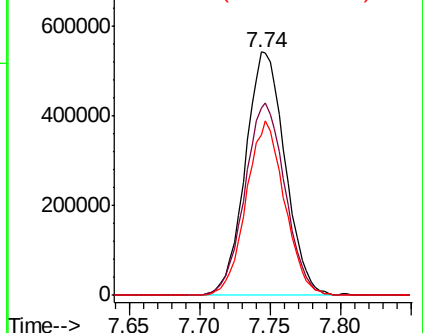
62 65.8 55.4 83.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.679 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Tgt Ion: 88 Resp: 368326

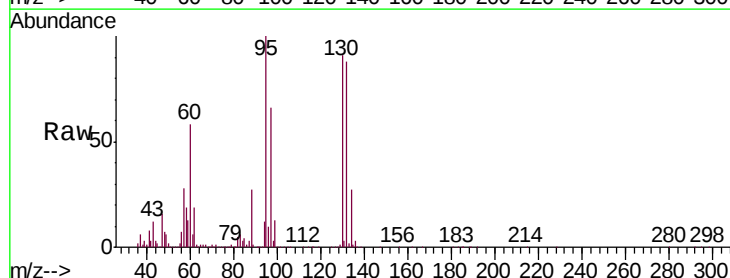
Ion Ratio Lower Upper

88 100

58 132.0 105.3 157.9

43 284.1 226.1 339.1

57 1290.2 1015.2 1522.8

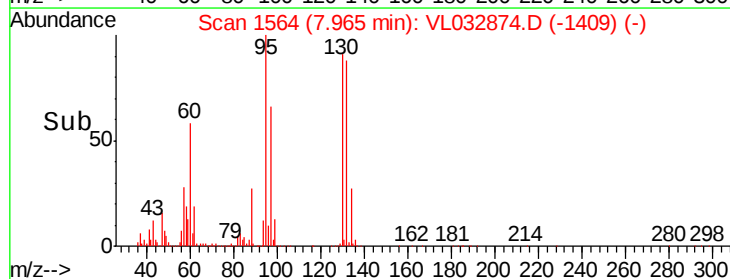
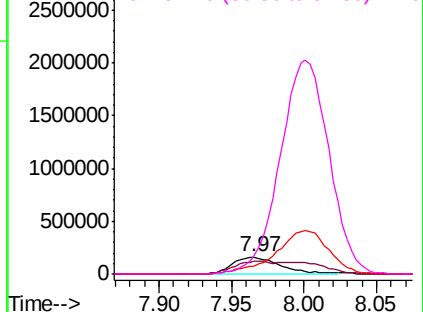


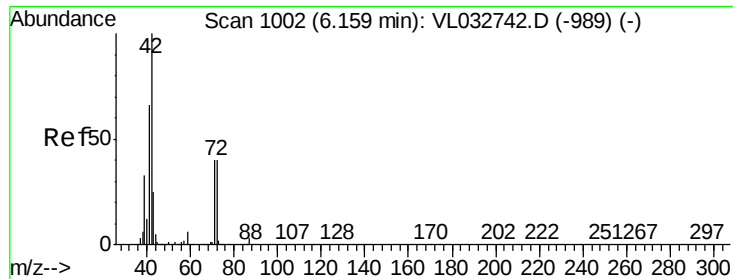
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

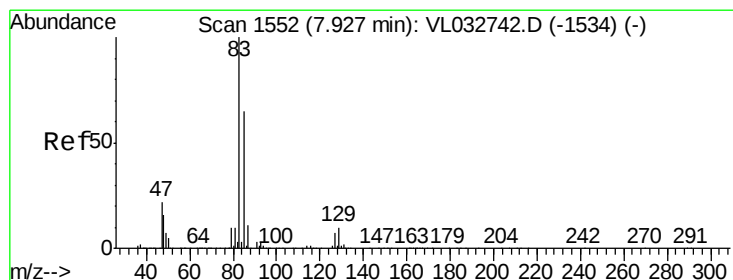
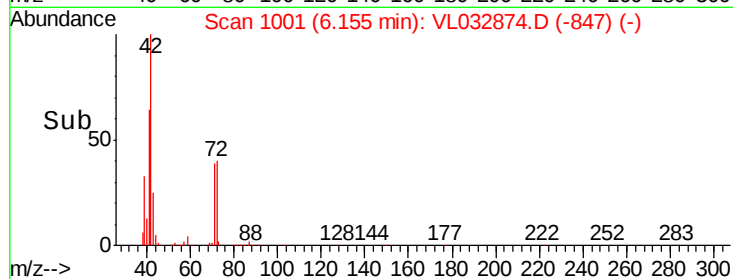
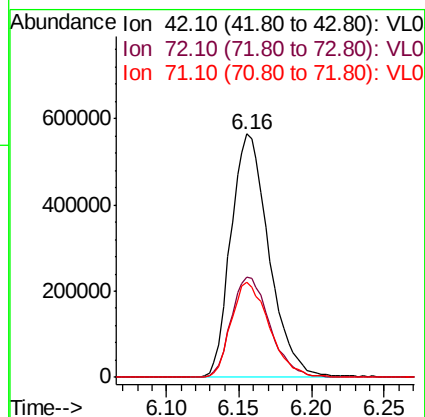
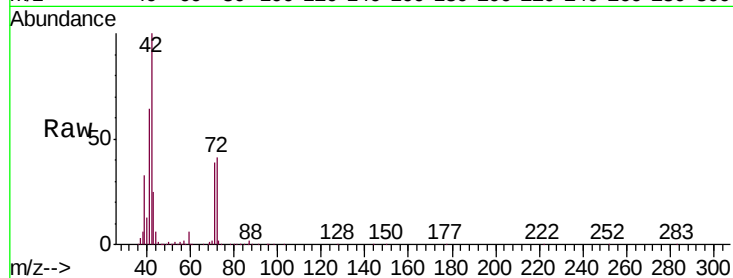




#41
Tetrahydrofuran
Concen: 9.873 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VL032874.D
Acq: 4 Dec 2018 9:53

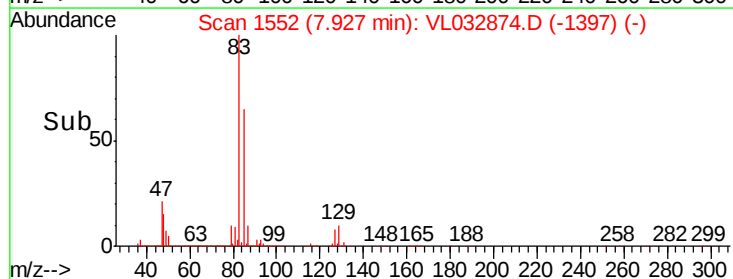
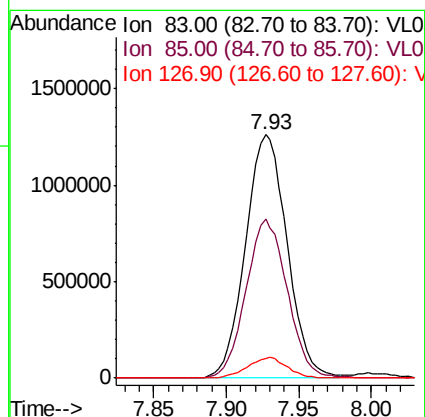
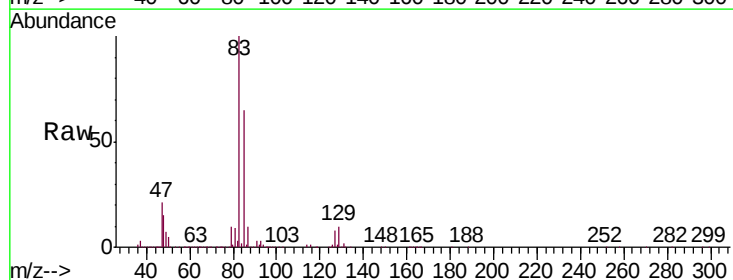
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

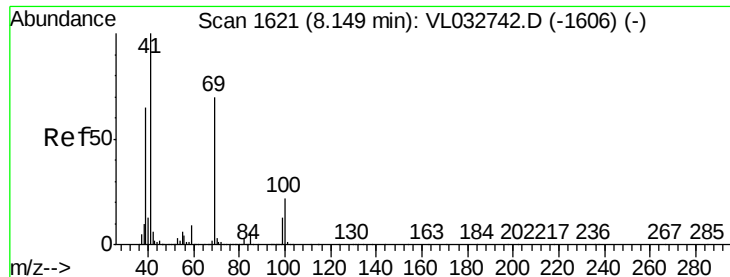
Tgt Ion: 42 Resp: 1031572
Ion Ratio Lower Upper
42 100
72 41.8 32.4 48.6
71 39.3 31.6 47.4



#42
Bromodichloromethane
Concen: 9.899 ppbv
RT: 7.93 min Scan# 1552
Delta R.T. -0.00 min
Lab File: VL032874.D
Acq: 4 Dec 2018 9:53

Tgt Ion: 83 Resp: 2526222
Ion Ratio Lower Upper
83 100
85 65.1 51.8 77.8
127 8.3 5.9 8.9

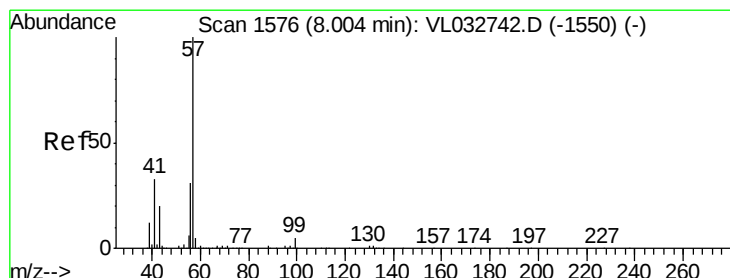
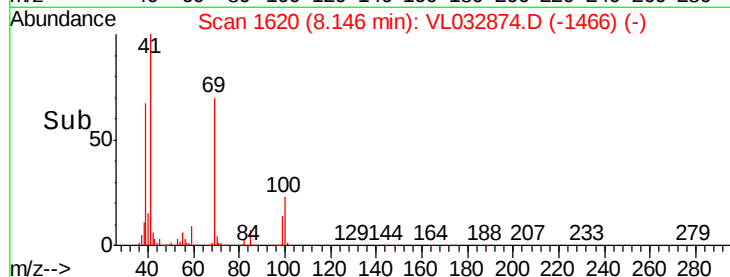
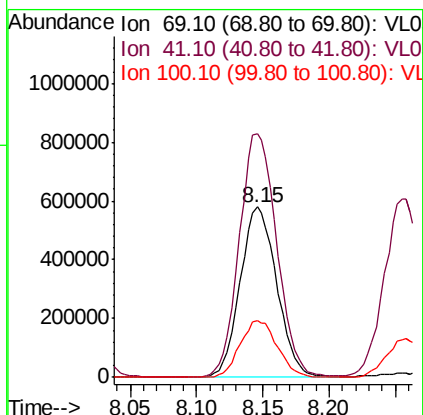
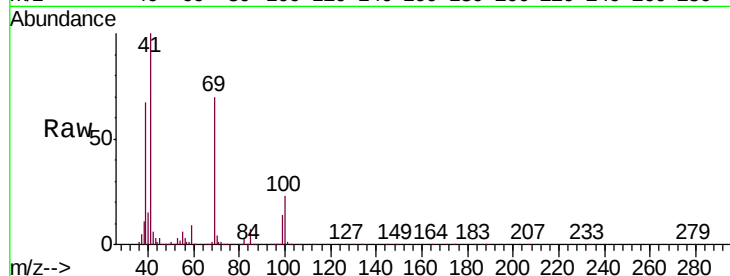




#43
Methyl Methacrylate
Concen: 10.681 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL032874.D
Acq: 4 Dec 2018 9:53

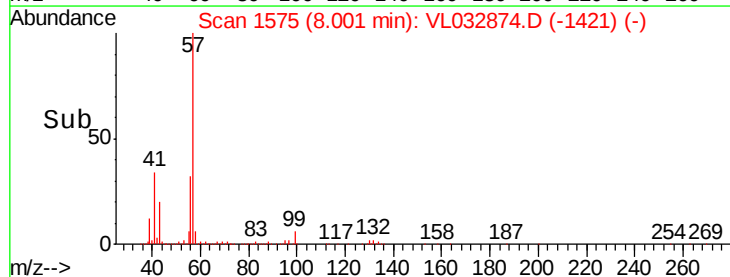
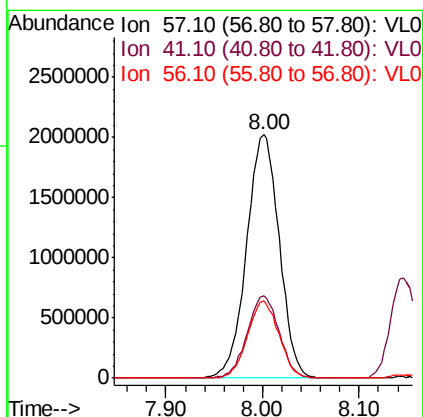
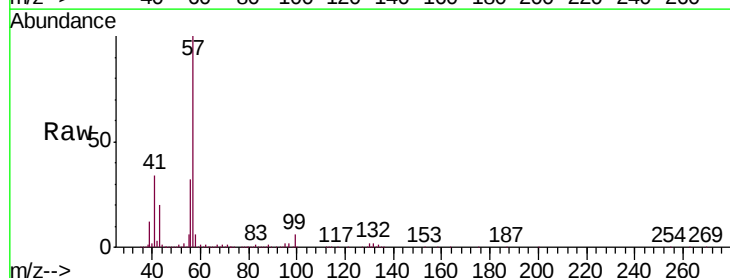
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

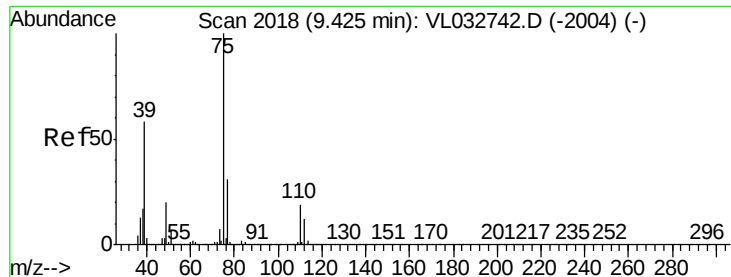
Tgt Ion: 69 Resp: 1115168
Ion Ratio Lower Upper
69 100
41 146.3 115.0 172.4
100 33.9 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 10.164 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032874.D
Acq: 4 Dec 2018 9:53

Tgt Ion: 57 Resp: 4749797
Ion Ratio Lower Upper
57 100
41 33.0 26.6 39.8
56 30.6 24.8 37.2





#45

t-1,3-Dichloropropene

Concen: 11.177 ppbv

RT: 9.43 min Scan# 2018

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

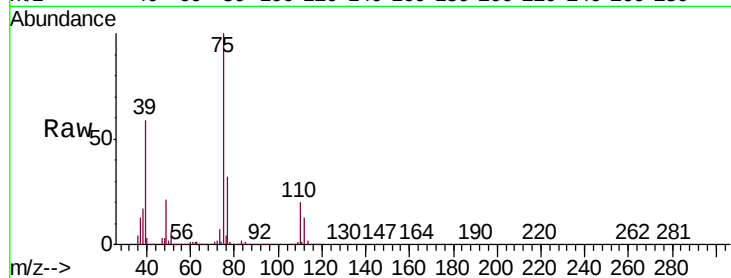
VSTDCCC010

Tgt Ion: 75 Resp: 1565793

Ion Ratio Lower Upper

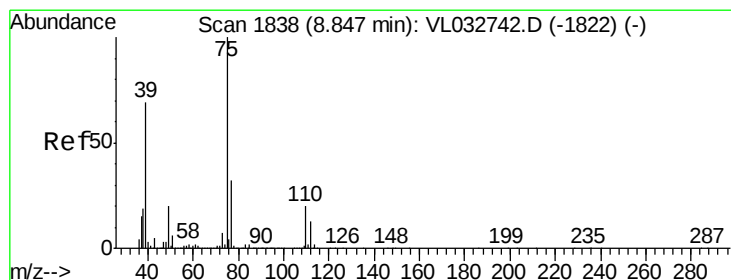
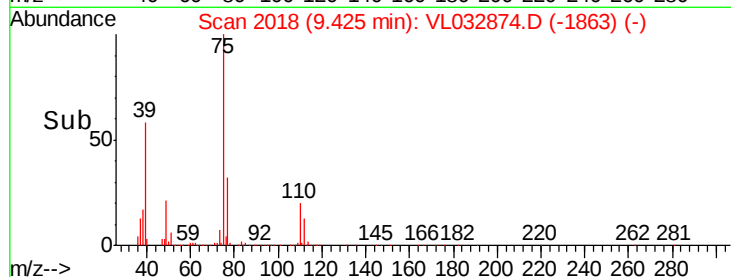
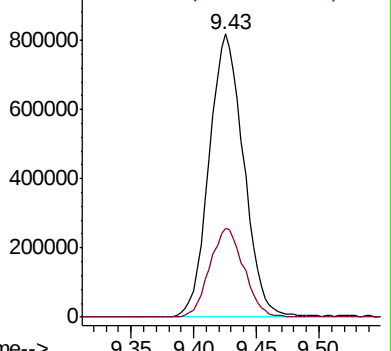
75 100

77 31.6 24.6 36.8



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 11.495 ppbv

RT: 8.85 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

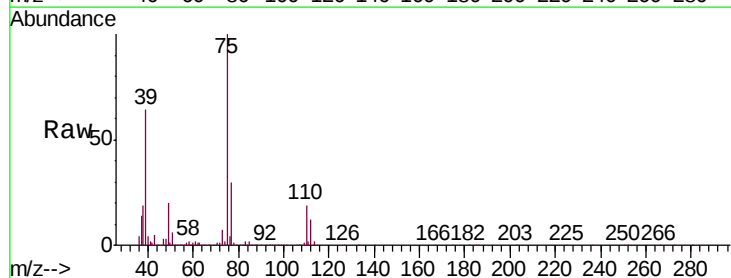
Tgt Ion: 75 Resp: 1945614

Ion Ratio Lower Upper

75 100

39 63.6 55.2 82.8

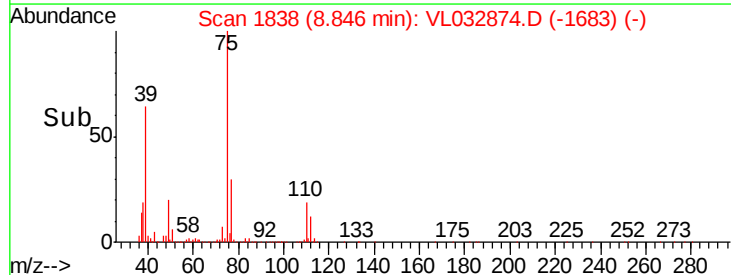
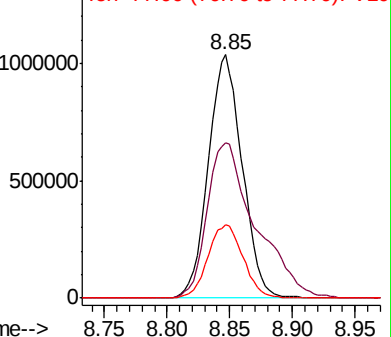
77 30.2 25.8 38.6

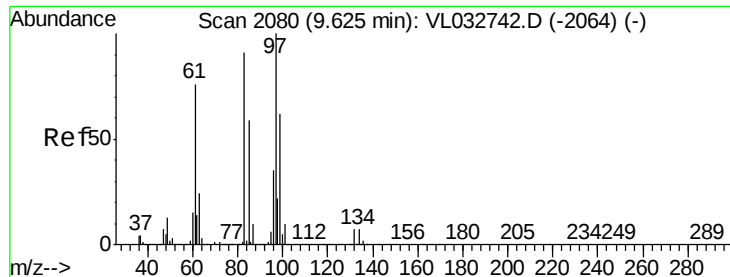


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

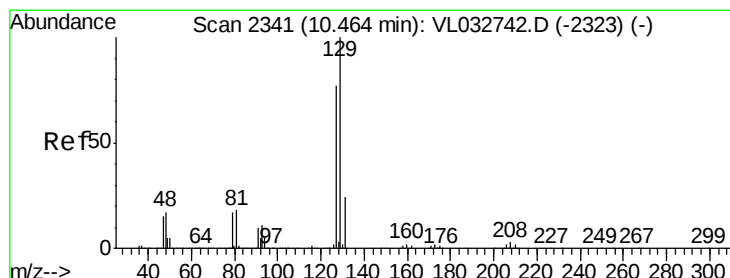
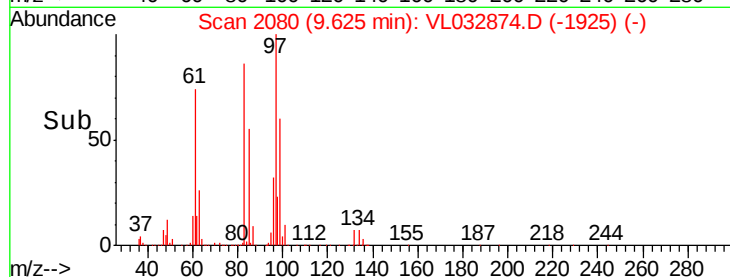
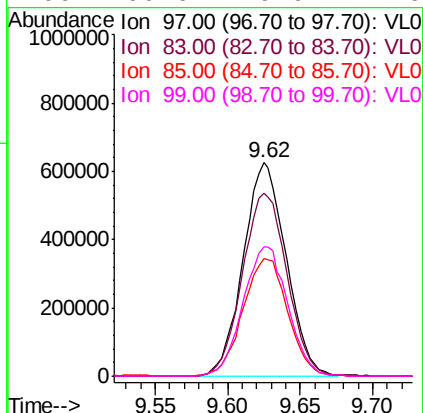
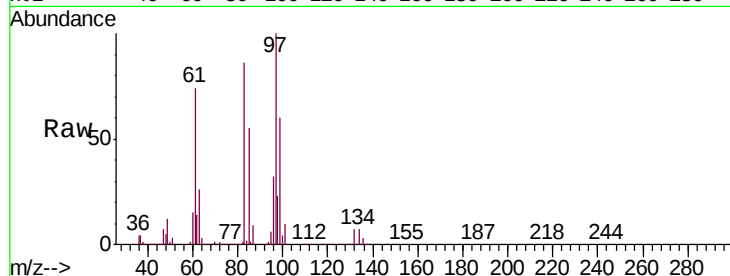




#47
 1,1,2-Trichloroethane
 Concen: 10.192 ppbv
 RT: 9.62 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

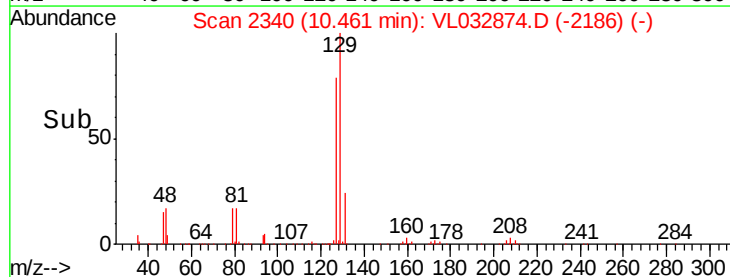
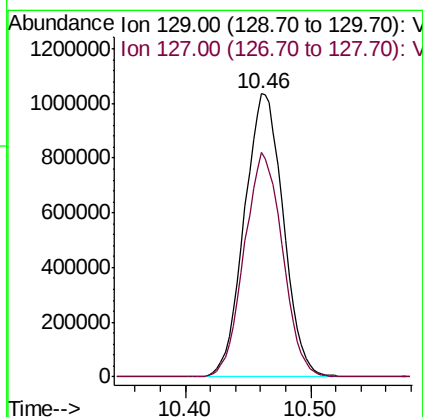
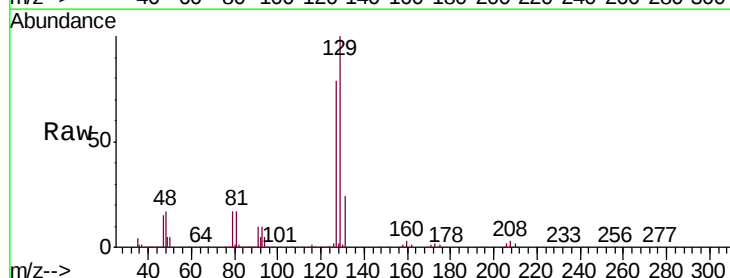
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

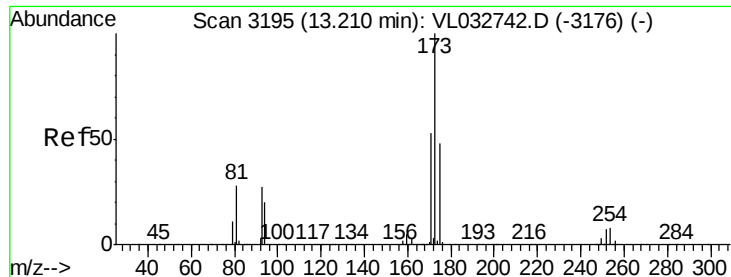
Tgt Ion: 97 Resp: 1284115
 Ion Ratio Lower Upper
 97 100
 83 85.5 73.0 109.4
 85 55.2 47.0 70.4
 99 60.6 49.9 74.9



#48
 Dibromochloromethane
 Concen: 10.443 ppbv
 RT: 10.46 min Scan# 2340
 Delta R.T. -0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

Tgt Ion: 129 Resp: 2236245
 Ion Ratio Lower Upper
 129 100
 127 78.3 39.0 117.0





#49

Bromoform

Concen: 11.322 ppbv

RT: 13.21 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

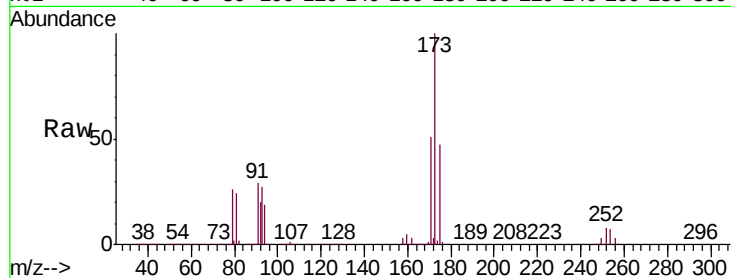
Tgt Ion:173 Resp: 2002208

Ion Ratio Lower Upper

173 100

175 48.7 39.4 59.0

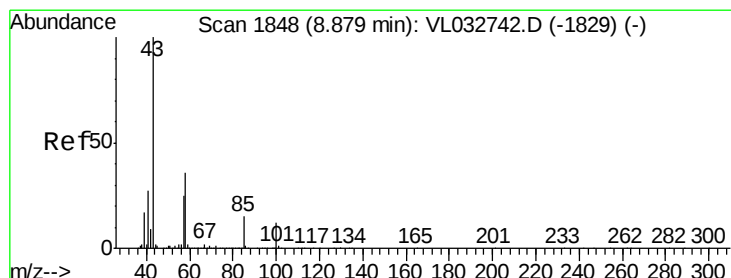
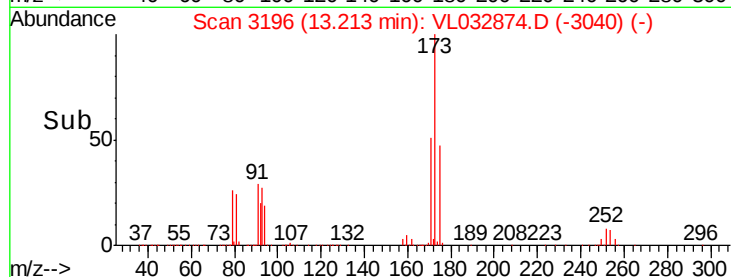
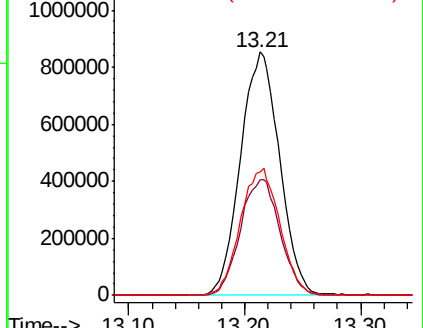
171 52.7 42.0 63.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.346 ppbv

RT: 8.88 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VL032874.D

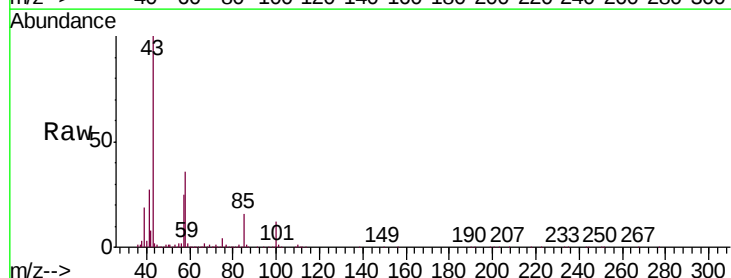
Acq: 4 Dec 2018 9:53

Tgt Ion: 43 Resp: 2943253

Ion Ratio Lower Upper

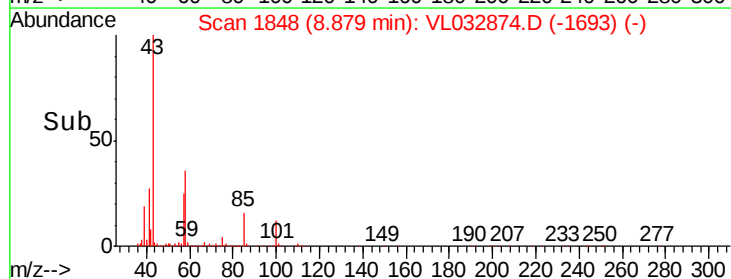
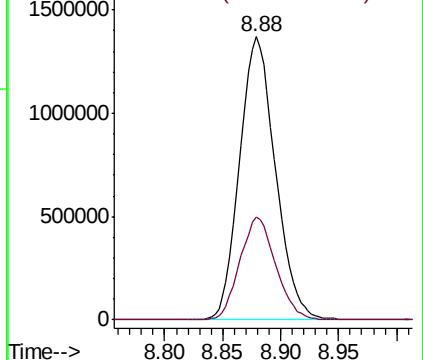
43 100

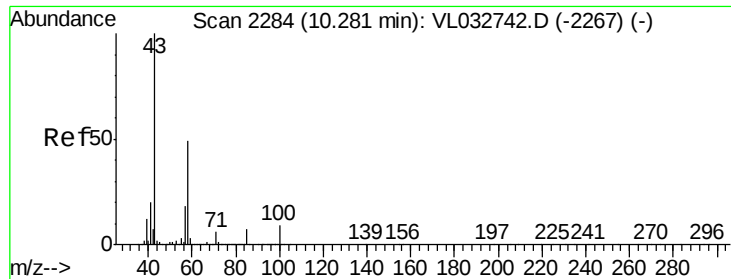
58 36.5 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

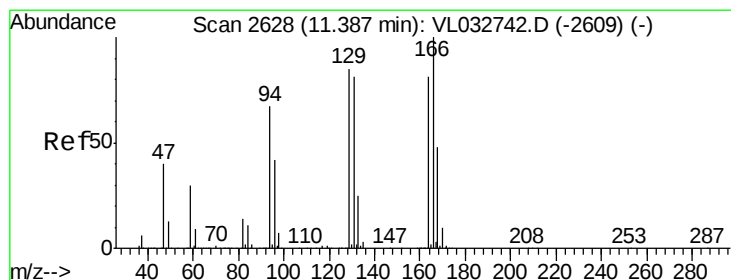
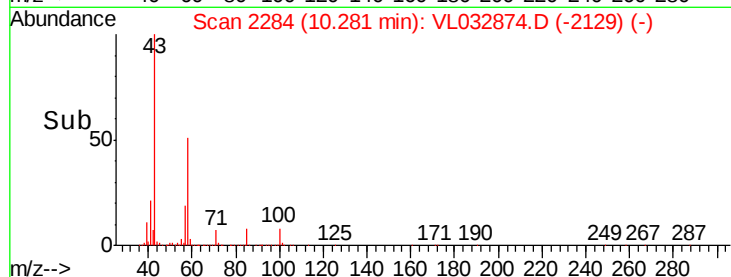
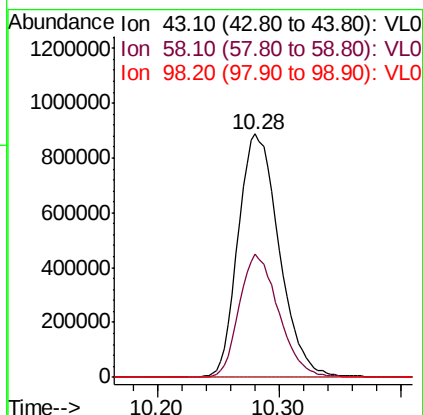
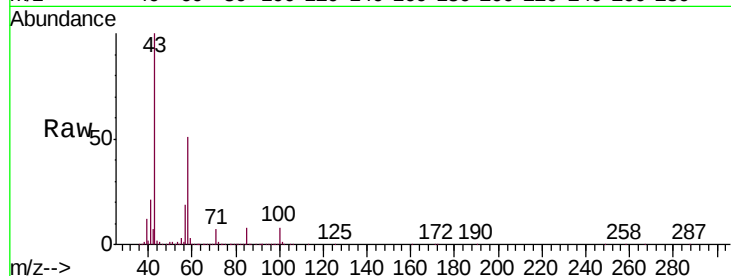




#51
2-Hexanone
Concen: 11.242 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VL032874.D
Acq: 4 Dec 2018 9:53

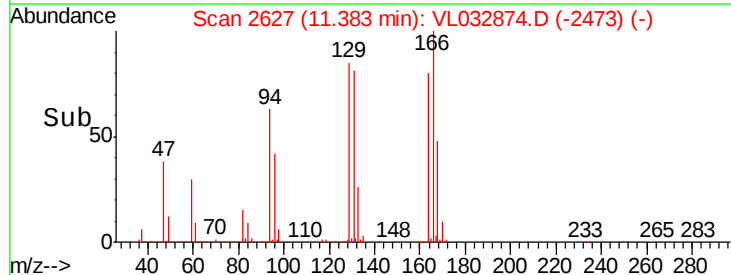
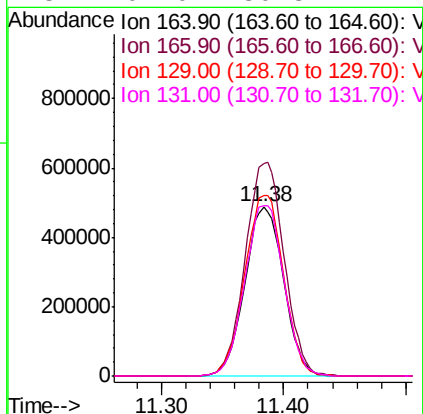
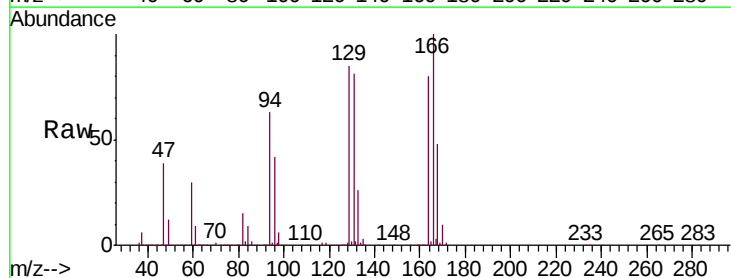
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

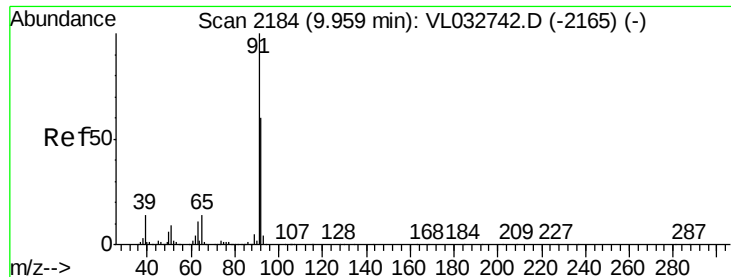
Tgt Ion: 43 Resp: 2060544
Ion Ratio Lower Upper
43 100
58 49.0 38.9 58.3
98 0.4 0.2 0.4#



#52
Tetrachloroethene
Concen: 10.964 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. -0.00 min
Lab File: VL032874.D
Acq: 4 Dec 2018 9:53

Tgt Ion: 164 Resp: 1066617
Ion Ratio Lower Upper
164 100
166 125.3 99.3 148.9
129 106.6 83.9 125.9
131 101.0 80.8 121.2





#53

Toluene

Concen: 11.433 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

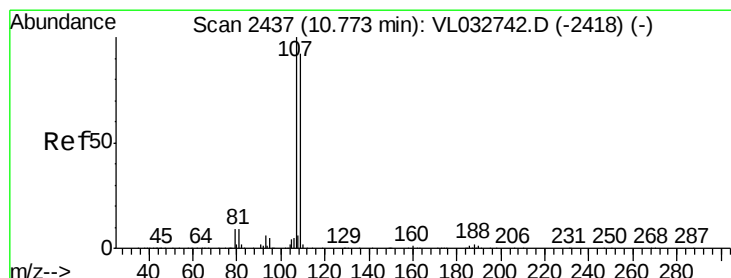
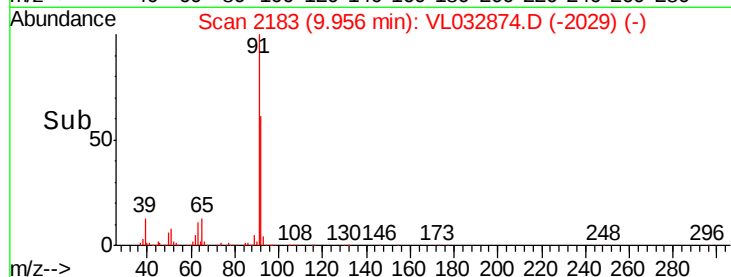
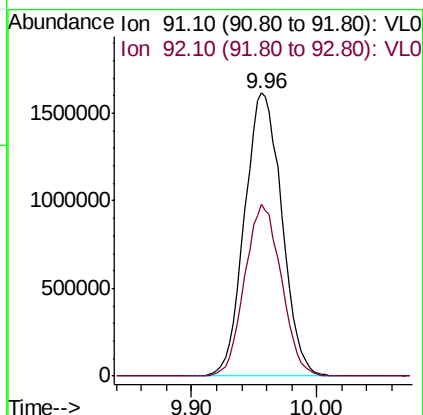
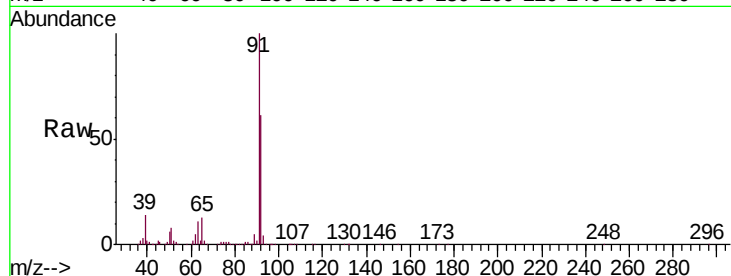
VSTDCCC010

Tgt Ion: 91 Resp: 3335596

Ion Ratio Lower Upper

91 100

92 59.8 47.9 71.9



#54

1,2-Dibromoethane

Concen: 10.519 ppbv

RT: 10.77 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VL032874.D

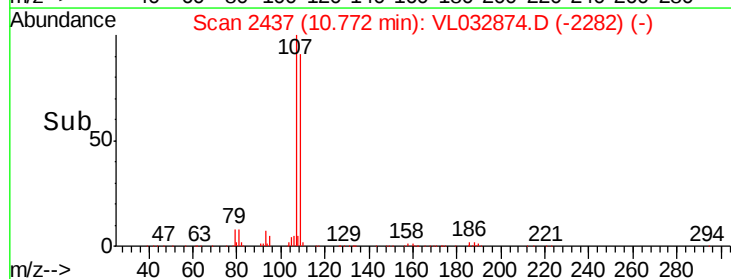
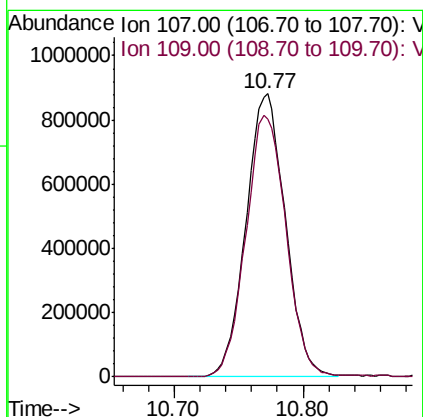
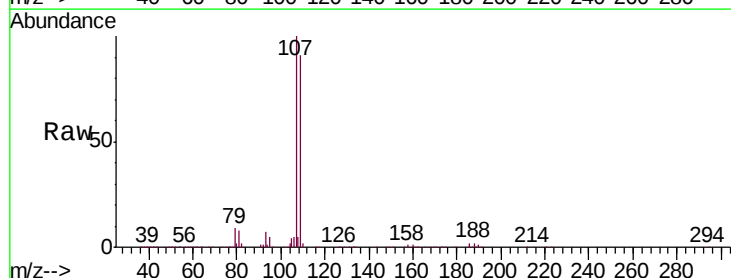
Acq: 4 Dec 2018 9:53

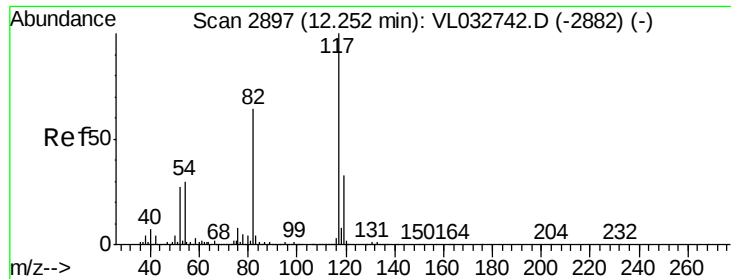
Tgt Ion: 107 Resp: 1873464

Ion Ratio Lower Upper

107 100

109 91.1 73.8 110.8

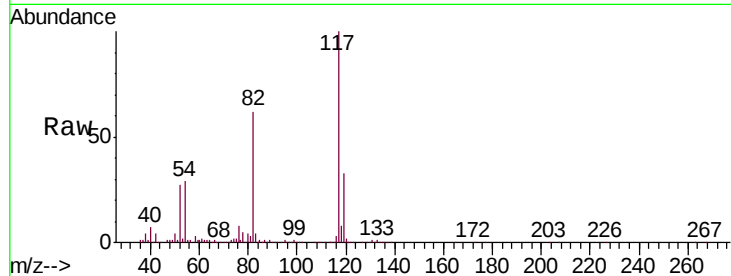




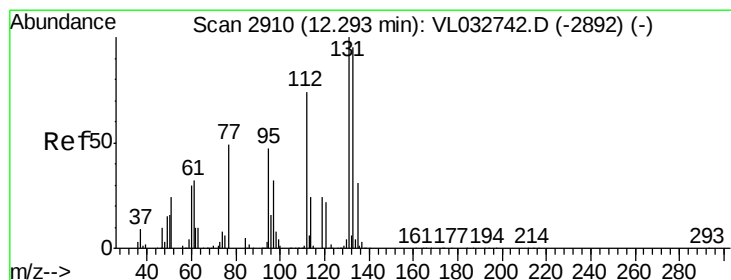
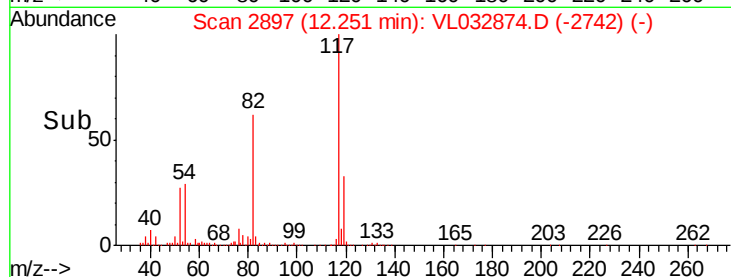
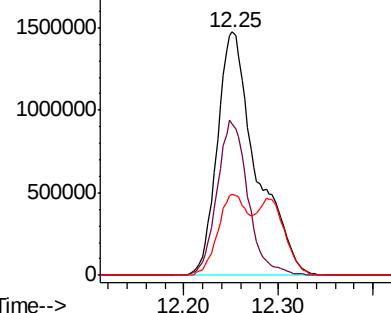
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VL032874.D
Acq: 4 Dec 2018 9:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 423540
Ion Ratio Lower Upper
117 100
82 50.5 51.0 76.6#
119 26.7 28.0 42.0#

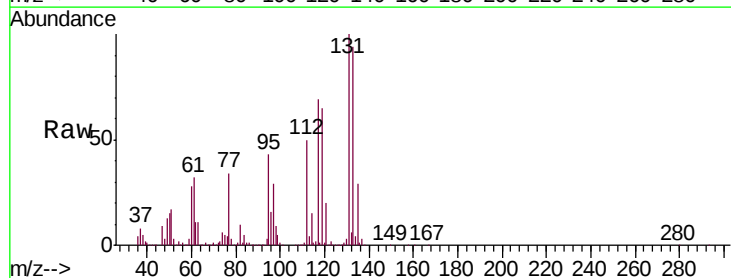


Abundance Ion 117.10 (116.80 to 117.80): V
2000000 Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

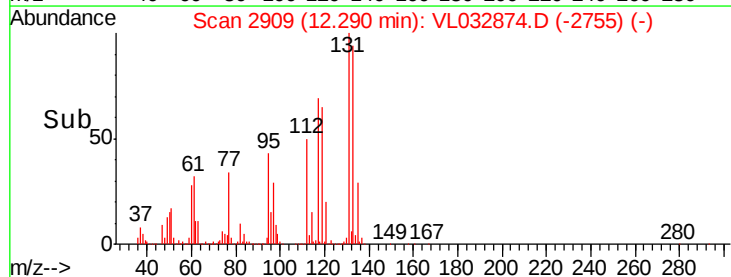
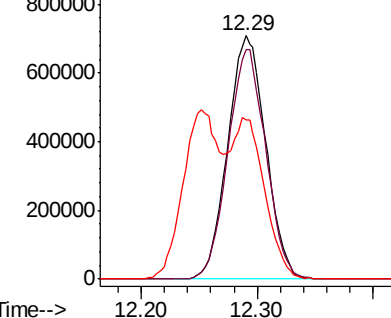


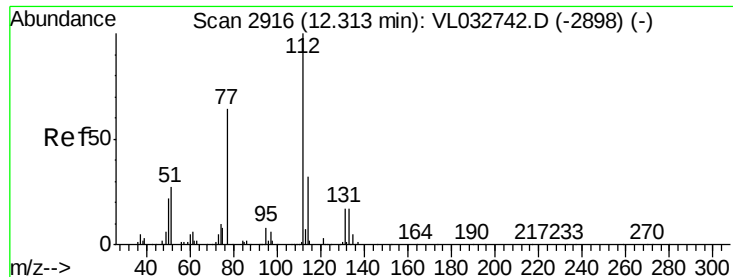
#56
1,1,1,2-Tetrachloroethane
Concen: 8.166 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VL032874.D
Acq: 4 Dec 2018 9:53

Tgt Ion:131 Resp: 1613201
Ion Ratio Lower Upper
131 100
133 94.0 75.8 113.6
119 65.2 45.2 67.8



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.979 ppbv

RT: 12.31 min Scan# 2915

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

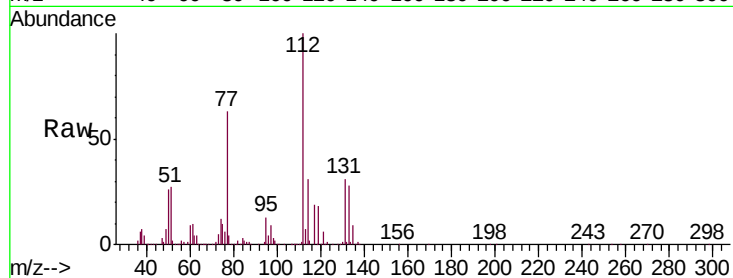
Tgt Ion: 112 Resp: 2587036

Ion Ratio Lower Upper

112 100

77 63.4 52.3 78.5

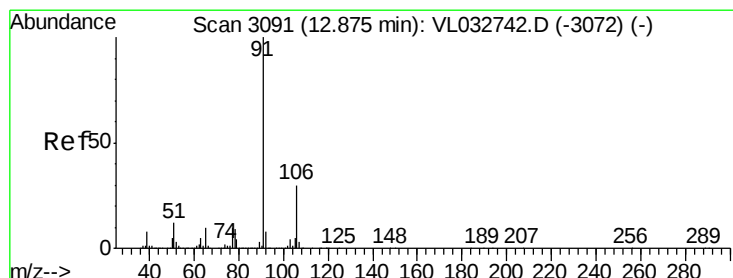
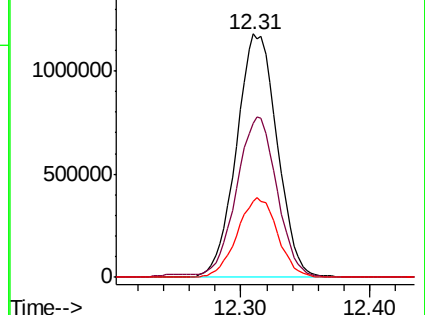
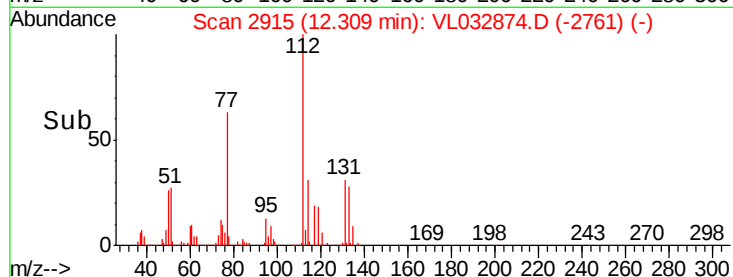
114 31.2 28.4 34.8



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.939 ppbv

RT: 12.88 min Scan# 3091

Delta R.T. -0.00 min

Lab File: VL032874.D

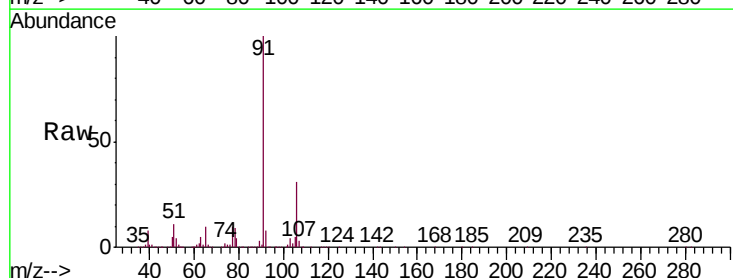
Acq: 4 Dec 2018 9:53

Tgt Ion: 91 Resp: 4556774

Ion Ratio Lower Upper

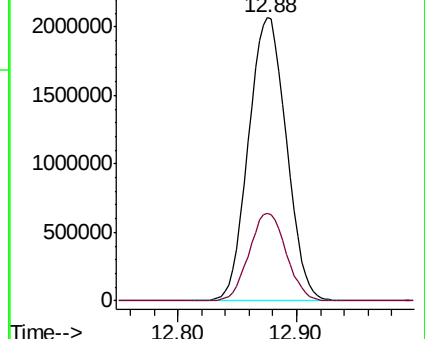
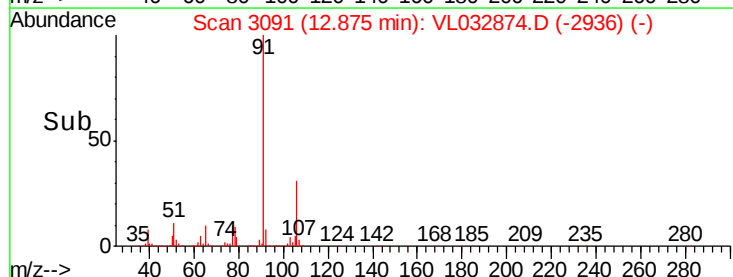
91 100

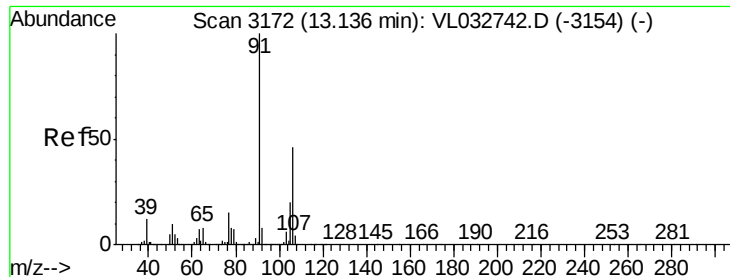
106 30.9 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.591 ppbv

RT: 13.14 min Scan# 3172

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

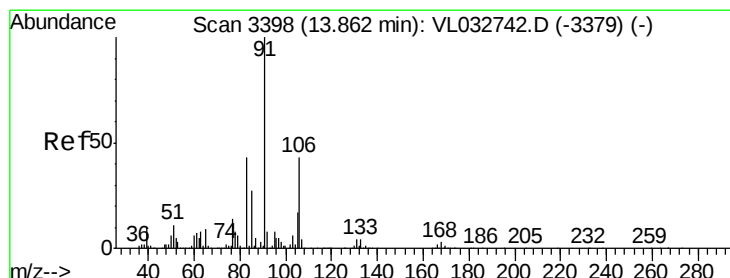
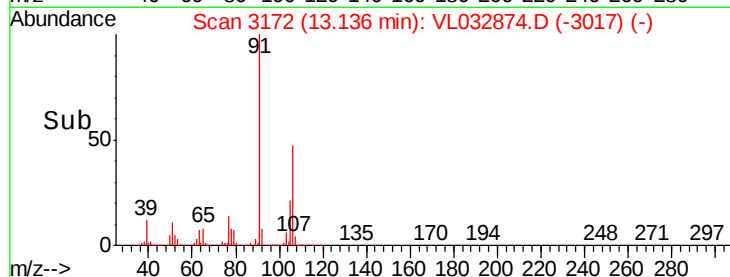
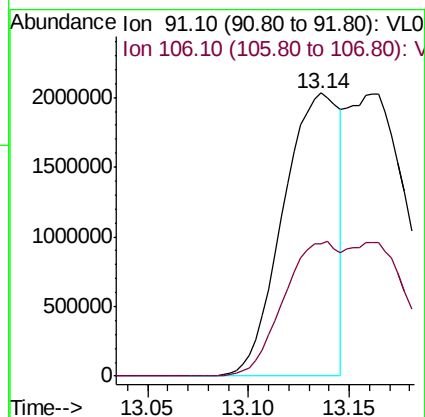
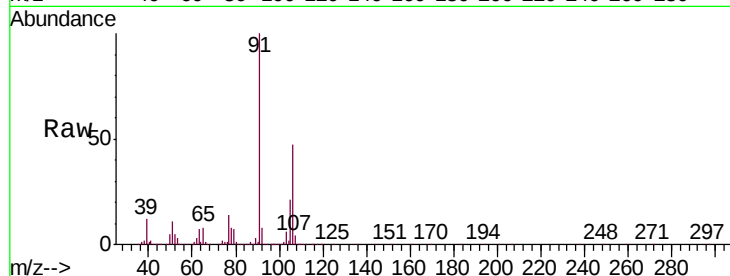
VSTDCCC010

Tgt Ion: 91 Resp: 3898456

Ion Ratio Lower Upper

91 100

106 97.9 36.1 54.1#



#60

o-Xylene

Concen: 8.827 ppbv

RT: 13.86 min Scan# 3398

Delta R.T. -0.00 min

Lab File: VL032874.D

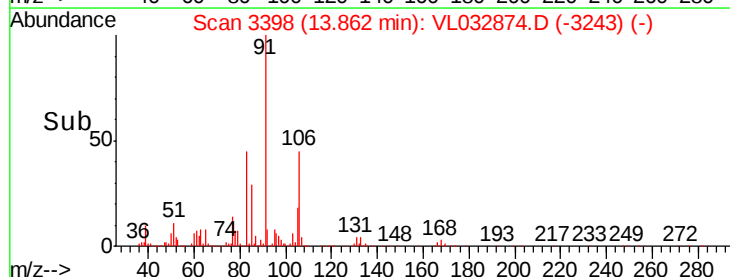
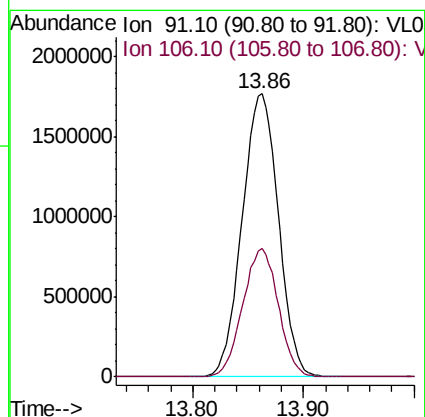
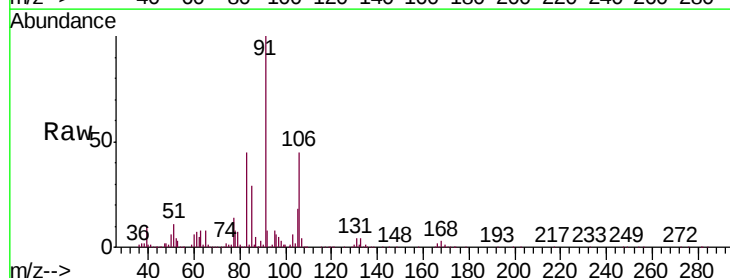
Acq: 4 Dec 2018 9:53

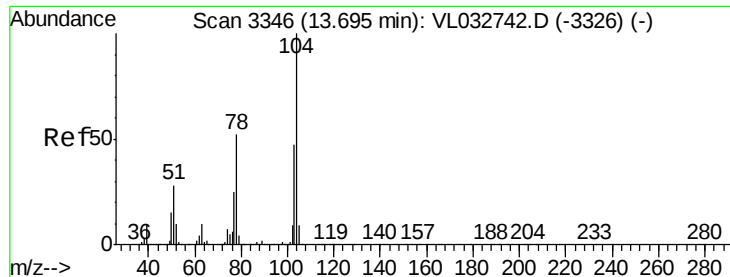
Tgt Ion: 91 Resp: 4027524

Ion Ratio Lower Upper

91 100

106 44.6 21.9 65.7





#61

Styrene

Concen: 9.386 ppbv

RT: 13.70 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

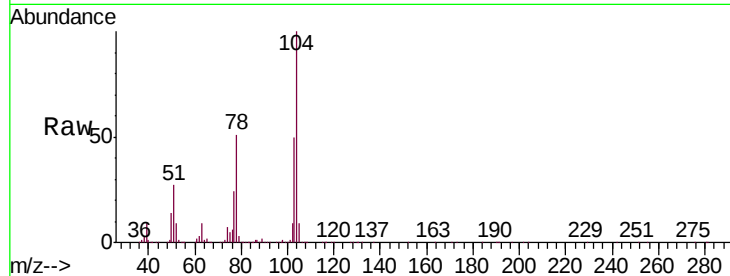
Tgt Ion:104 Resp: 2787699

Ion Ratio Lower Upper

104 100

78 51.3 42.2 63.4

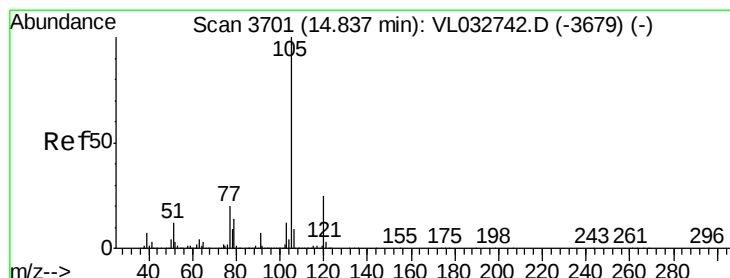
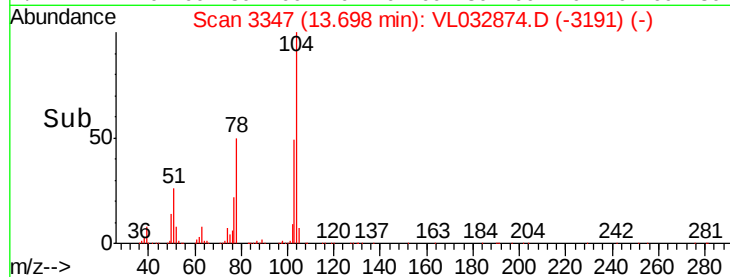
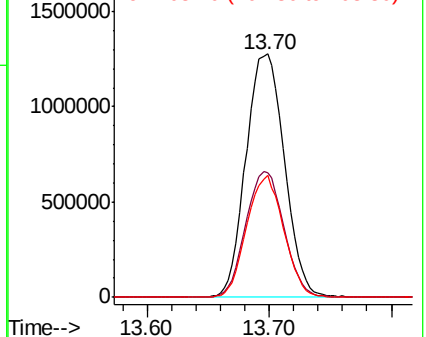
103 48.2 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.768 ppbv

RT: 14.84 min Scan# 3702

Delta R.T. 0.00 min

Lab File: VL032874.D

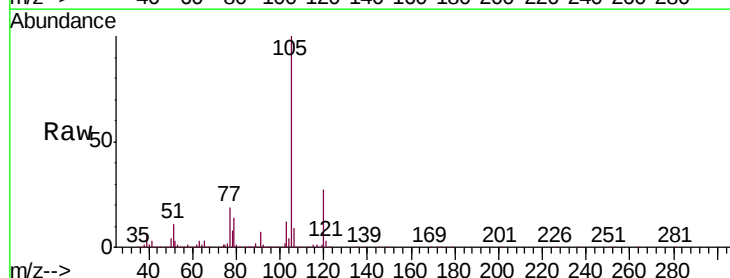
Acq: 4 Dec 2018 9:53

Tgt Ion:105 Resp: 5407606

Ion Ratio Lower Upper

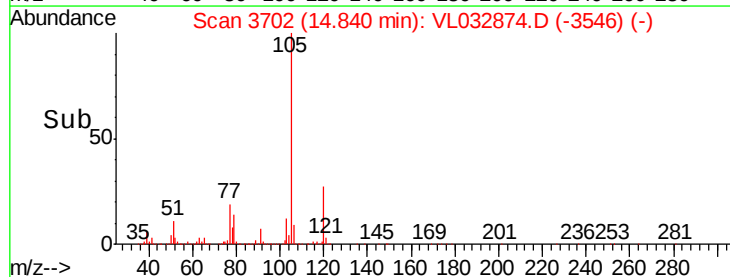
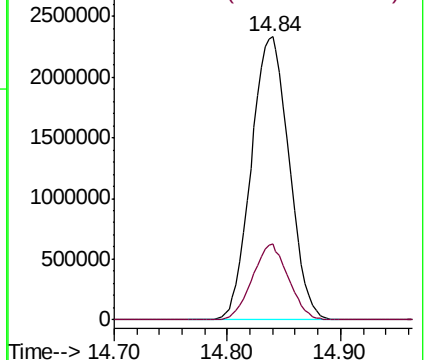
105 100

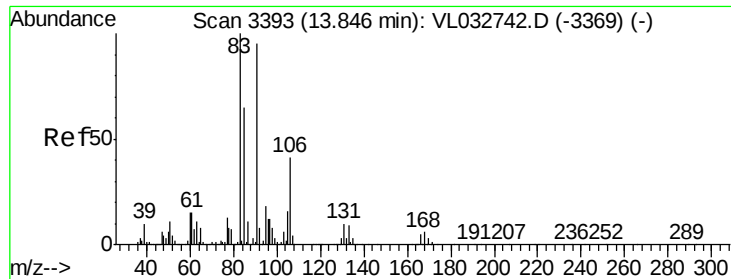
120 25.6 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

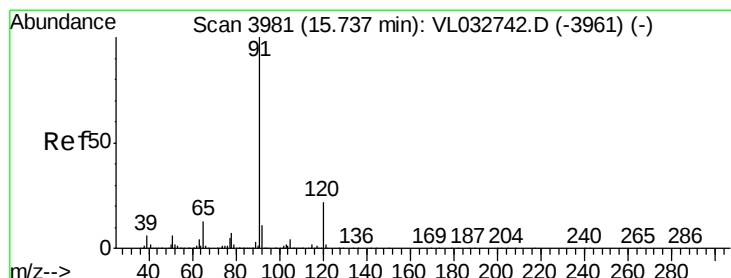
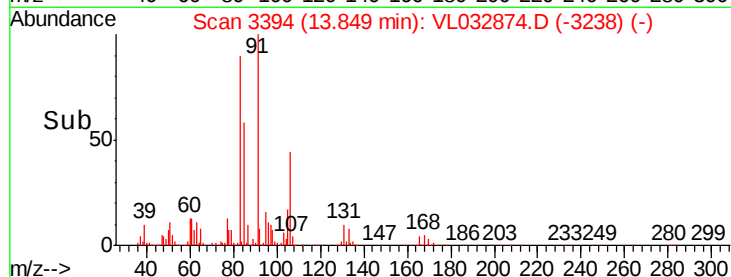
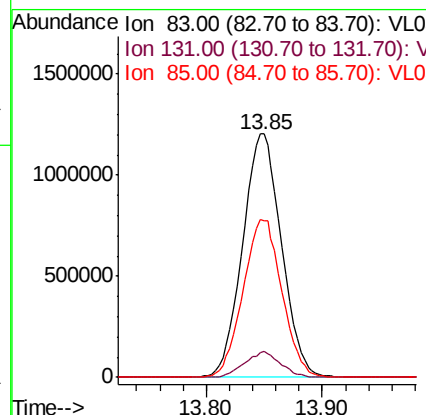
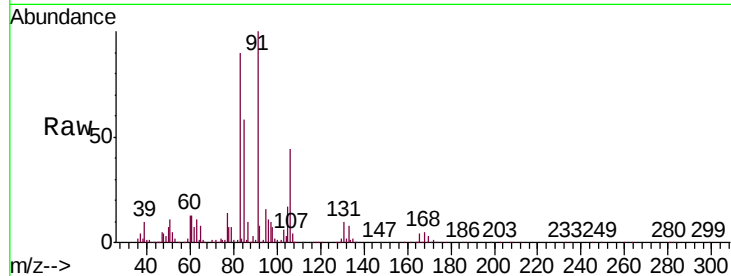




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.862 ppbv
 RT: 13.85 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

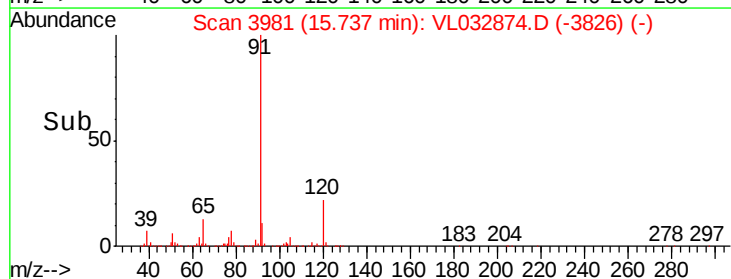
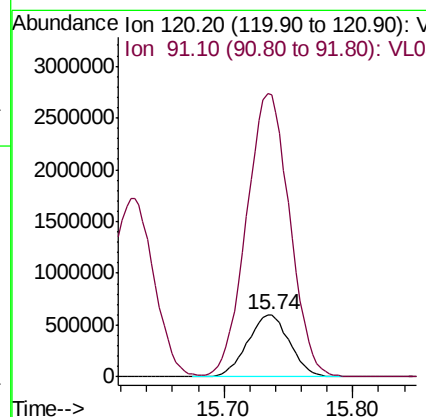
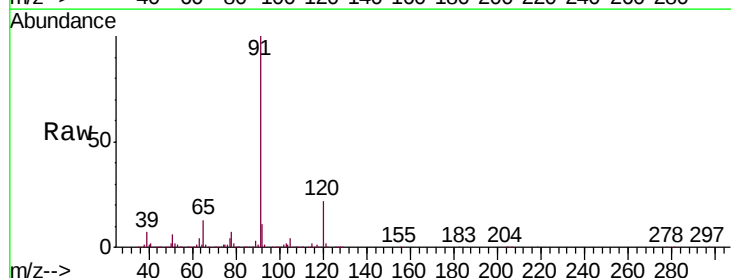
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

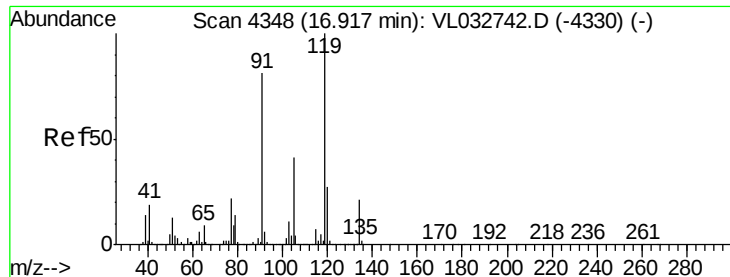
Tgt Ion: 83 Resp: 2796346
 Ion Ratio Lower Upper
 83 100
 131 9.9 4.7 14.1
 85 65.0 32.5 97.4



#64
 n-propylbenzene
 Concen: 8.418 ppbv
 RT: 15.74 min Scan# 3981
 Delta R.T. -0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

Tgt Ion: 120 Resp: 1365533
 Ion Ratio Lower Upper
 120 100
 91 469.9 381.7 572.5

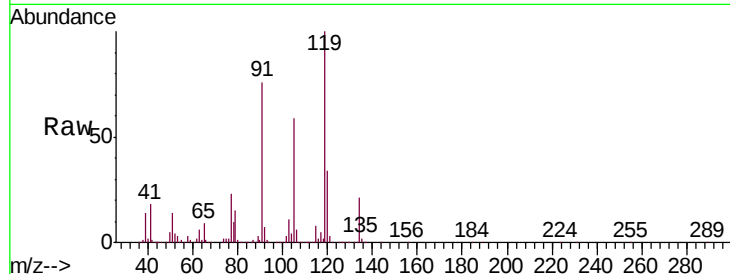




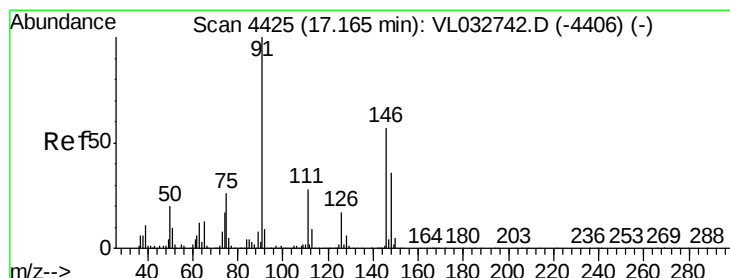
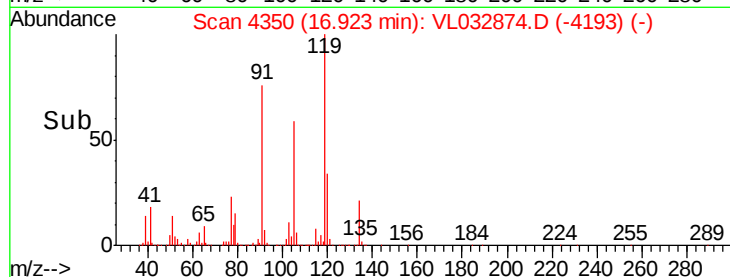
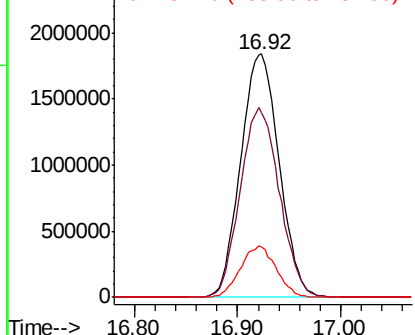
#65
tert-Butylbenzene
Concen: 8.636 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. 0.01 min
Lab File: VL032874.D
Acq: 4 Dec 2018 9:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 119 Resp: 4774571
Ion Ratio Lower Upper
119 100
91 79.5 65.6 98.4
134 19.7 15.9 23.9

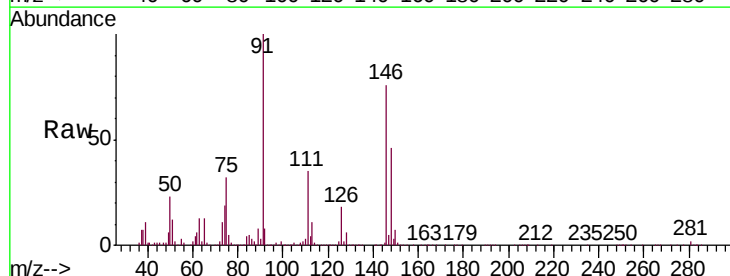


Abundance Ion 119.20 (118.90 to 119.90): V
2500000
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

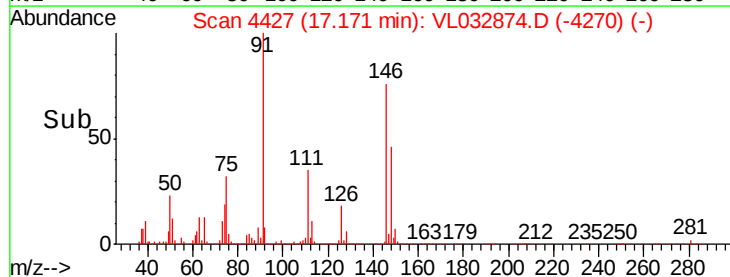
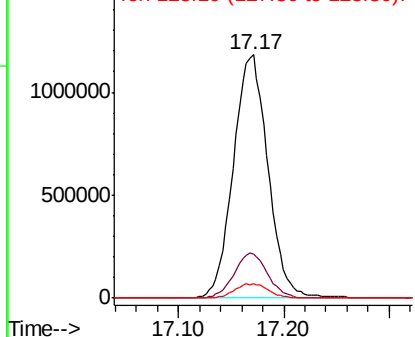


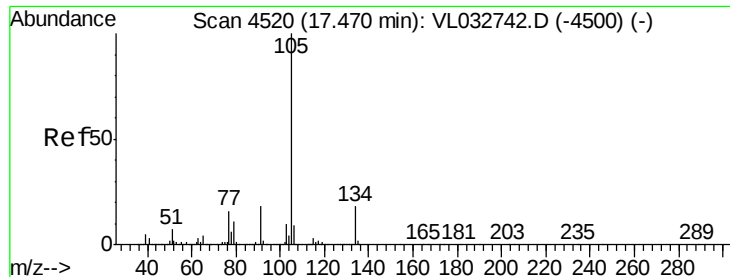
#66
Benzyl Chloride
Concen: 8.781 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. 0.01 min
Lab File: VL032874.D
Acq: 4 Dec 2018 9:53

Tgt Ion: 91 Resp: 2683897
Ion Ratio Lower Upper
91 100
126 18.1 14.2 21.2
128 5.8 4.5 6.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
1500000
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

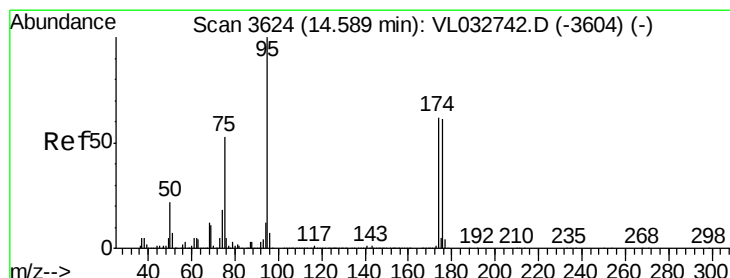
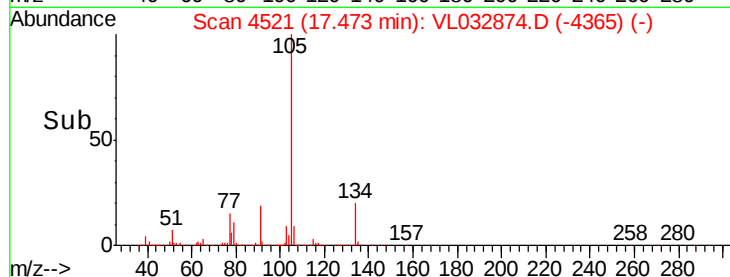
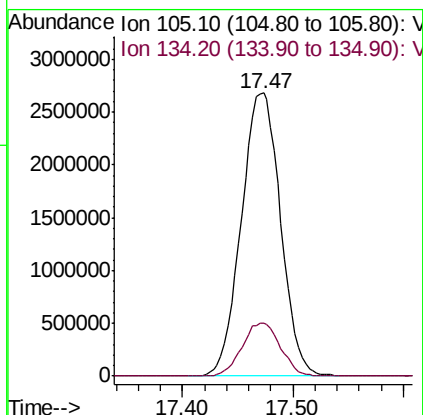
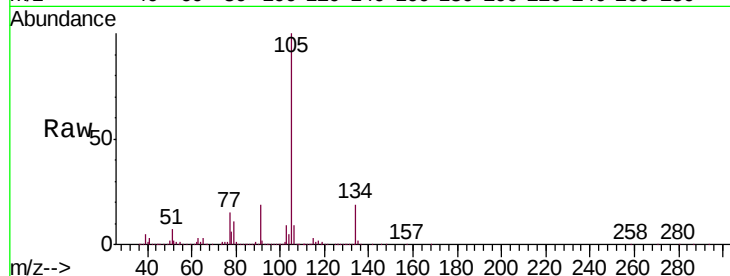




#67
 sec-Butylbenzene
 Concen: 8.287 ppbv
 RT: 17.47 min Scan# 4521
 Delta R.T. 0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

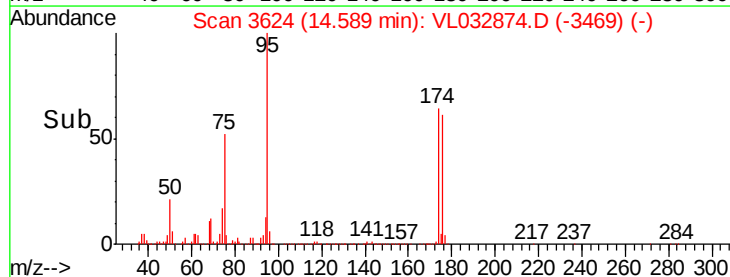
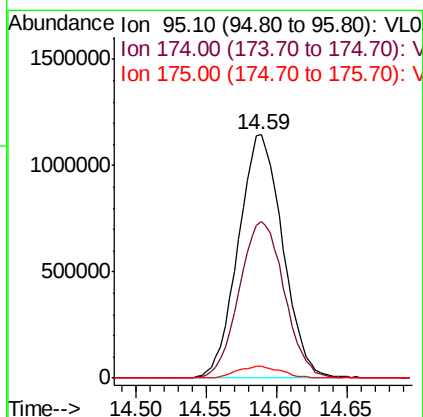
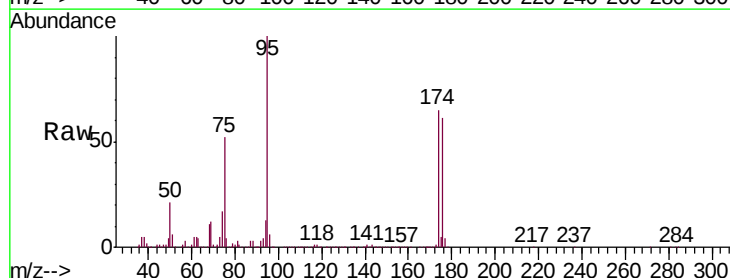
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

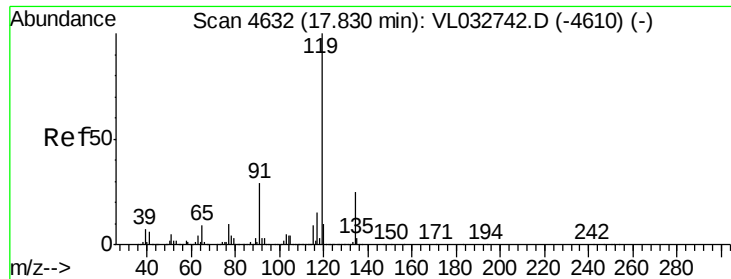
Tgt Ion: 105 Resp: 6602321
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.912 ppbv
 RT: 14.59 min Scan# 3624
 Delta R.T. -0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

Tgt Ion: 95 Resp: 2506580
 Ion Ratio Lower Upper
 95 100
 174 66.2 50.7 76.1
 175 5.0 3.8 5.6

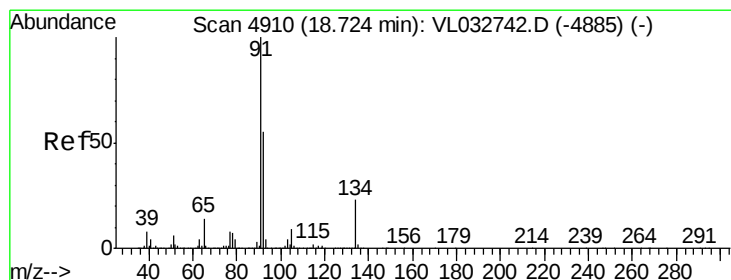
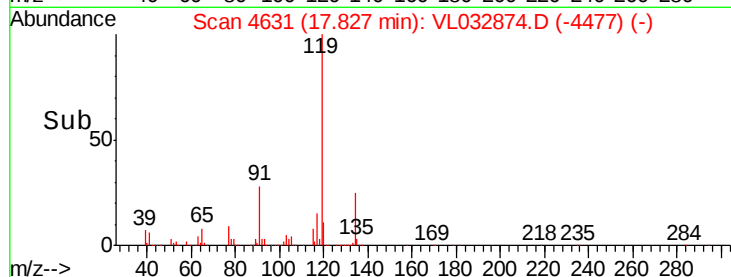
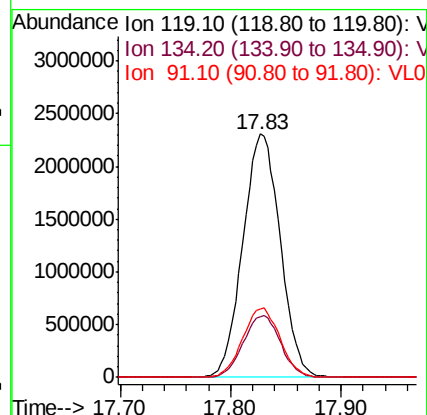
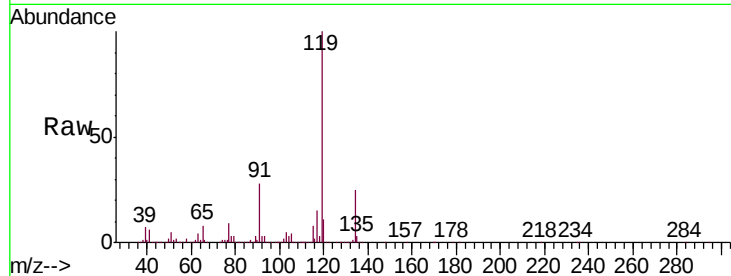




#69
 p-Isopropyltoluene
 Concen: 8.539 ppbv
 RT: 17.83 min Scan# 4631
 Delta R.T. -0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

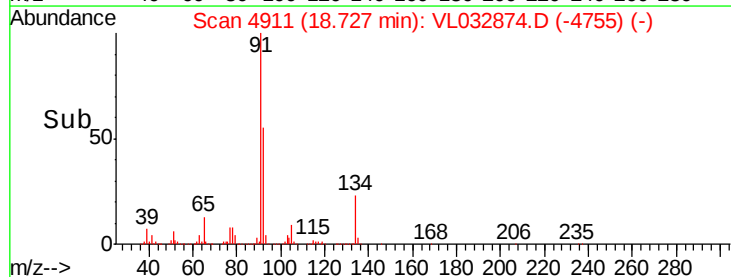
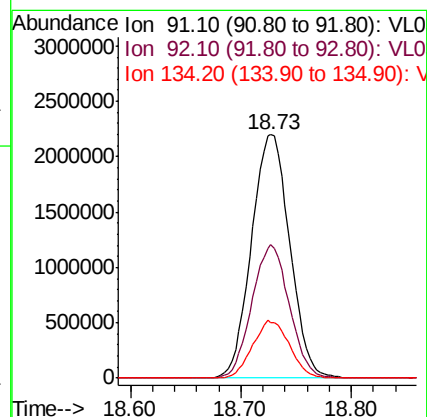
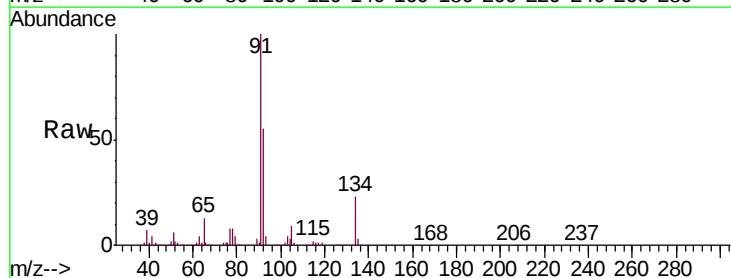
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

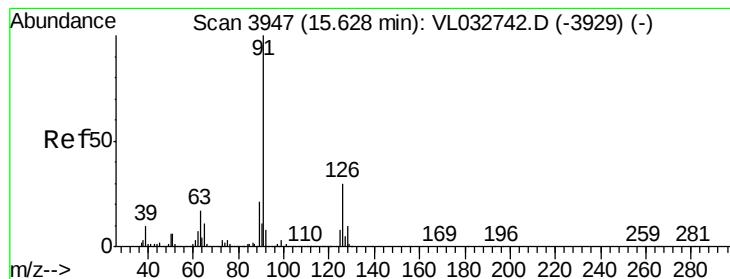
Tgt Ion: 119 Resp: 5409609
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.2 30.4
 91 28.6 23.5 35.3



#70
 n-Butylbenzene
 Concen: 8.215 ppbv
 RT: 18.73 min Scan# 4911
 Delta R.T. 0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

Tgt Ion: 91 Resp: 5284446
 Ion Ratio Lower Upper
 91 100
 92 53.5 42.9 64.3
 134 22.8 17.8 26.8





#71

2-Chlorotoluene

Concen: 8.596 ppbv

RT: 15.63 min Scan# 3947

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

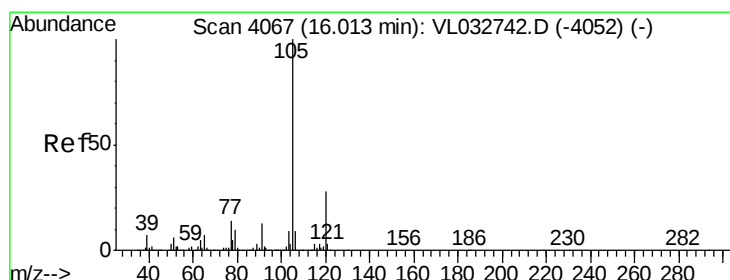
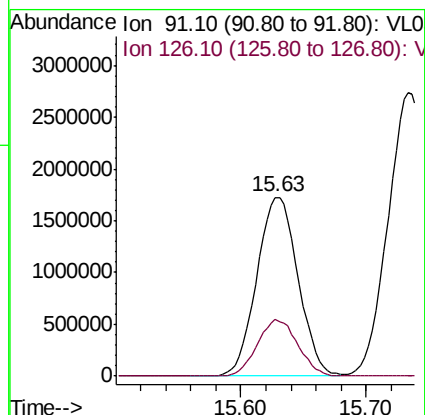
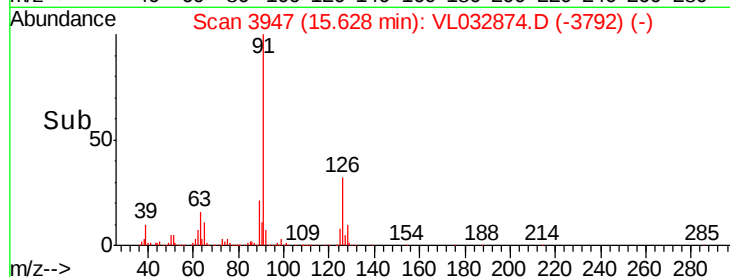
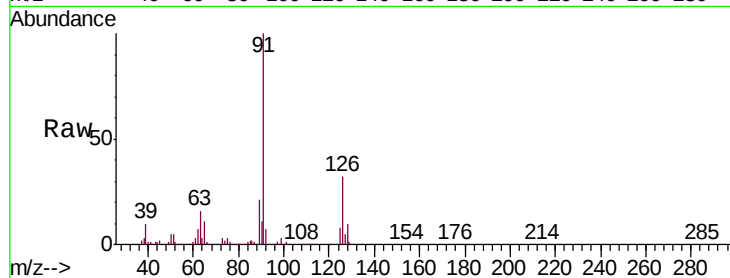
VSTDCCC010

Tgt Ion: 91 Resp: 3953651

Ion Ratio Lower Upper

91 100

126 31.2 12.1 48.5



#72

4-Ethyltoluene

Concen: 9.242 ppbv

RT: 16.01 min Scan# 4066

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Tgt Ion: 105 Resp: 4621803

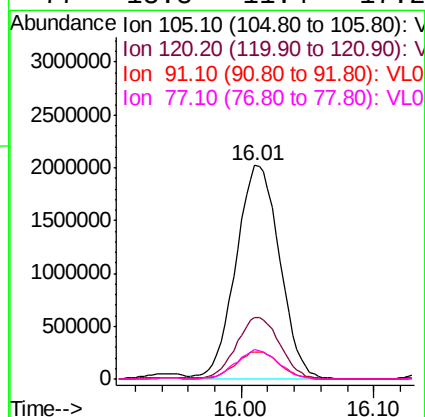
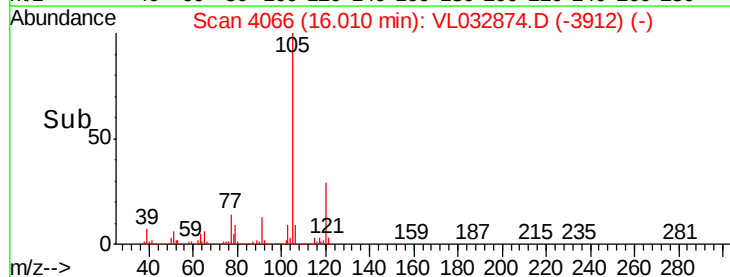
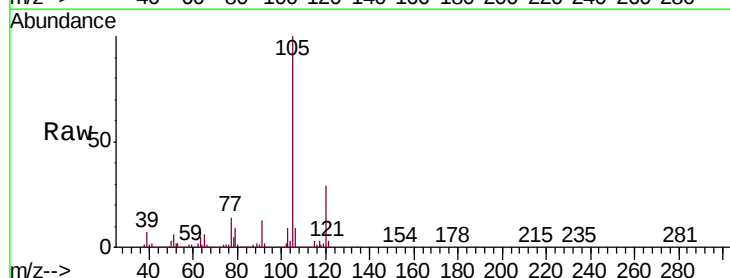
Ion Ratio Lower Upper

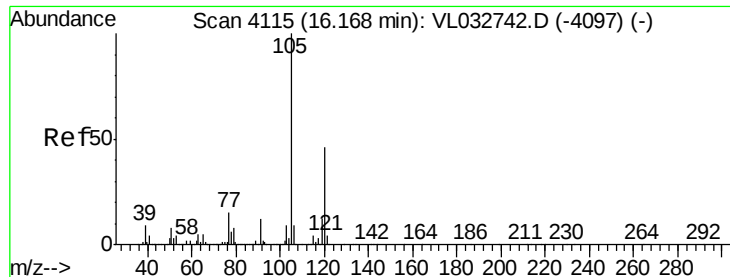
105 100

120 28.9 22.9 34.3

91 12.8 10.6 15.8

77 13.8 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 8.987 ppbv

RT: 16.17 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

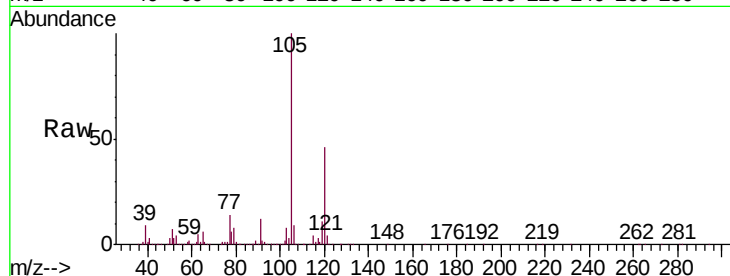
VSTDCCC010

Tgt Ion:105 Resp: 4394444

Ion Ratio Lower Upper

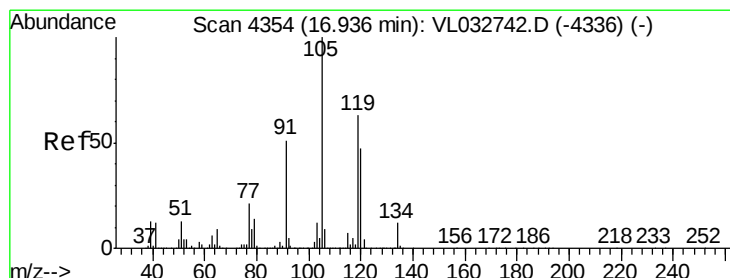
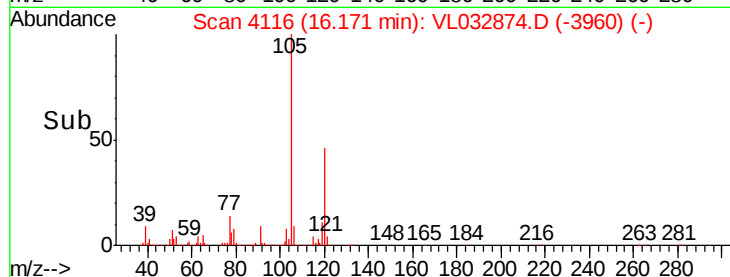
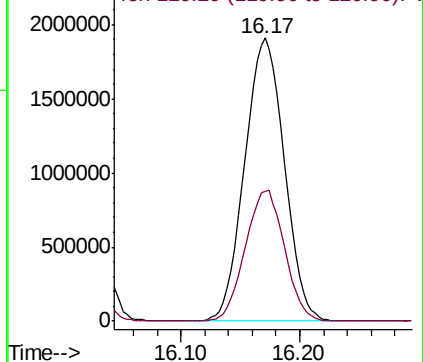
105 100

120 45.7 36.6 55.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.991 ppbv

RT: 16.94 min Scan# 4355

Delta R.T. 0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Tgt Ion:105 Resp: 4181387

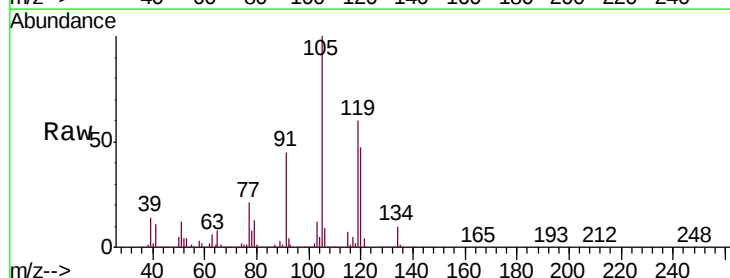
Ion Ratio Lower Upper

105 100

120 47.2 37.6 56.4

91 45.3 42.5 63.7

77 20.7 17.4 26.2

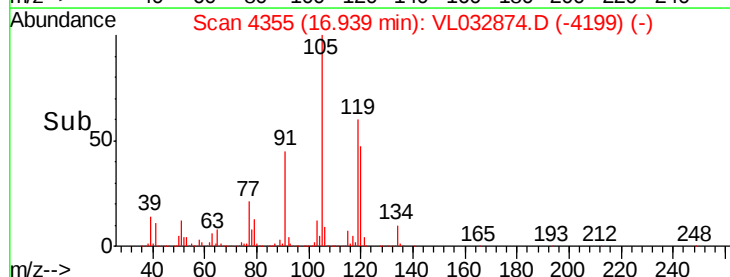
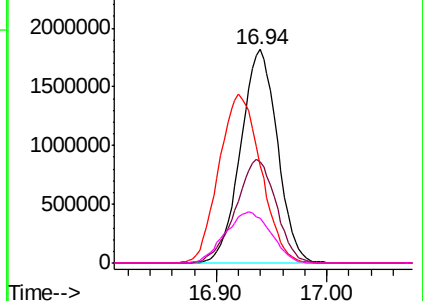


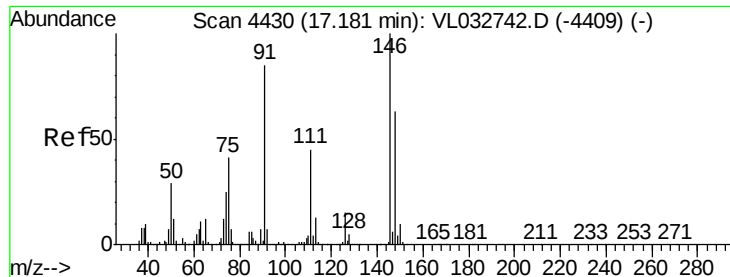
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

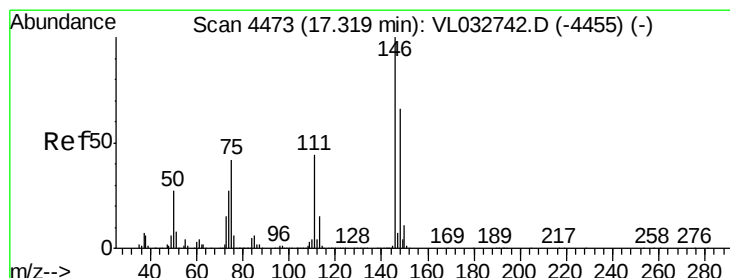
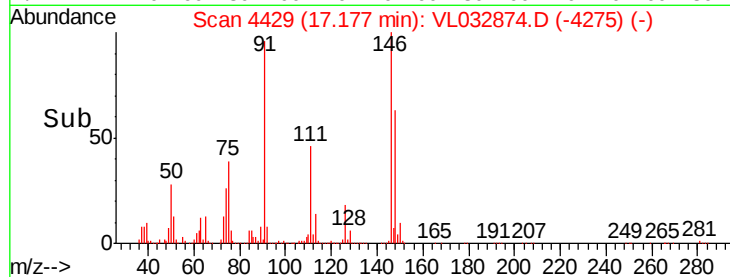
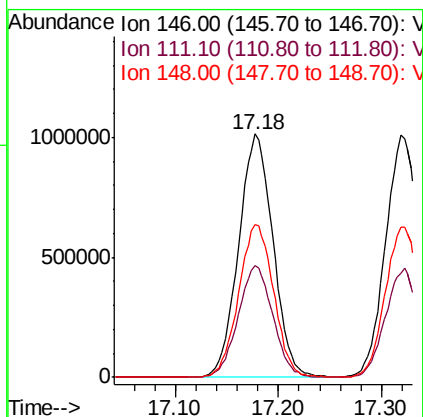
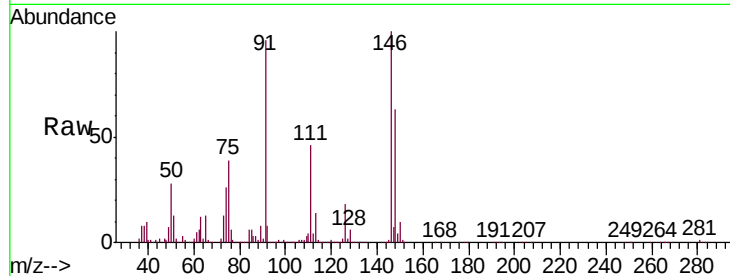




#75
 1,3-Dichlorobenzene
 Concen: 7.833 ppbv
 RT: 17.18 min Scan# 4429
 Delta R.T. -0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

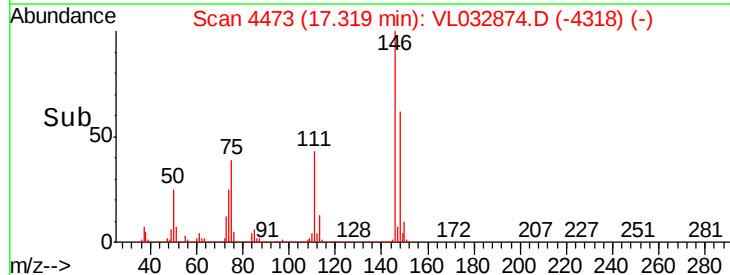
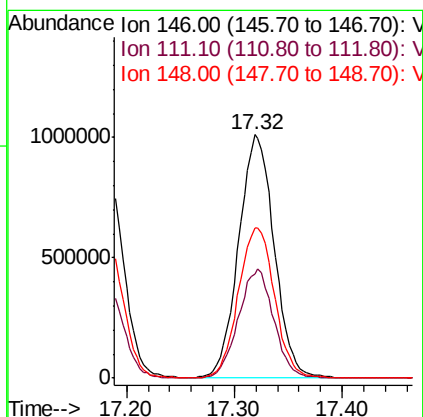
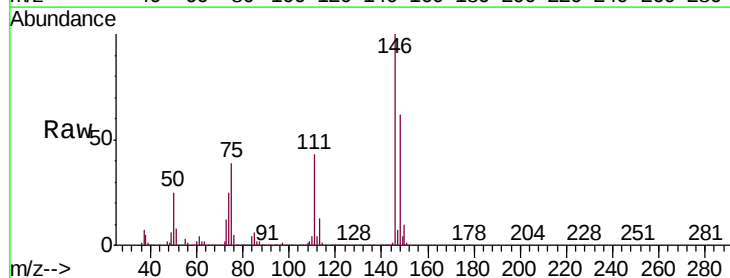
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

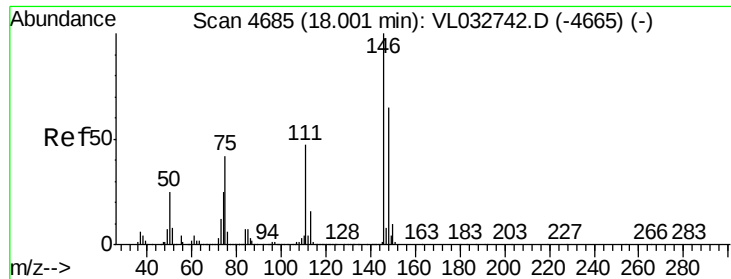
Tgt Ion:146 Resp: 2350863
 Ion Ratio Lower Upper
 146 100
 111 46.4 23.5 70.6
 148 64.0 31.8 95.3



#76
 1,4-Dichlorobenzene
 Concen: 8.223 ppbv
 RT: 17.32 min Scan# 4473
 Delta R.T. -0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

Tgt Ion:146 Resp: 2305418
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.5 67.5
 148 63.4 32.5 97.5

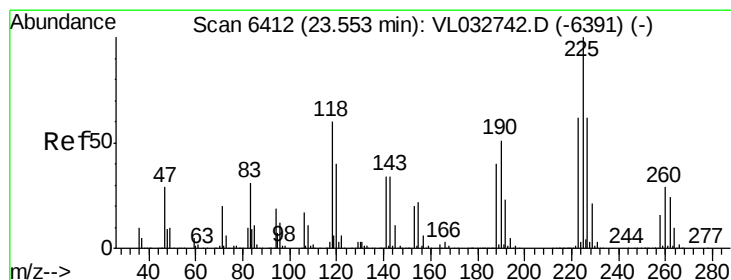
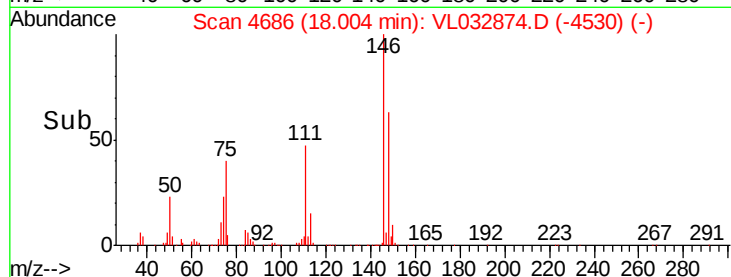
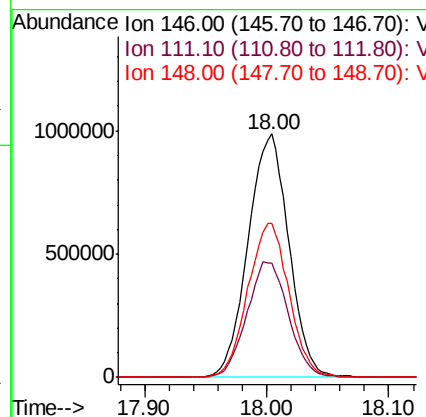
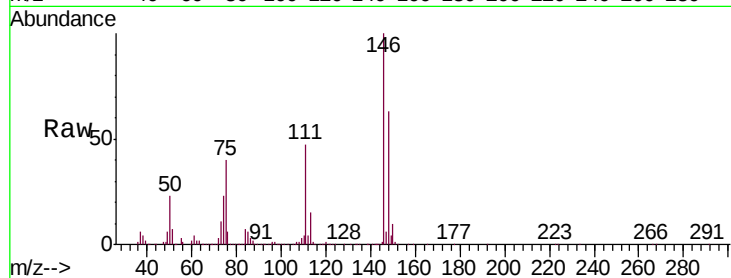




#77
 1,2-Dichlorobenzene
 Concen: 8.196 ppbv
 RT: 18.00 min Scan# 4686
 Delta R.T. 0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

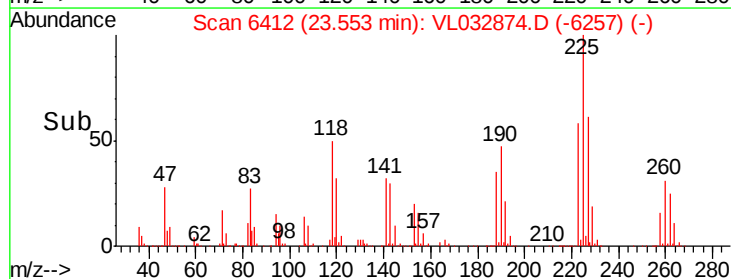
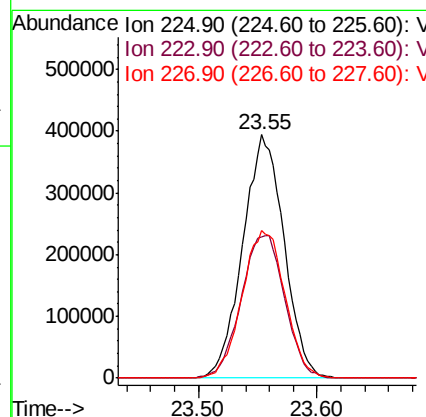
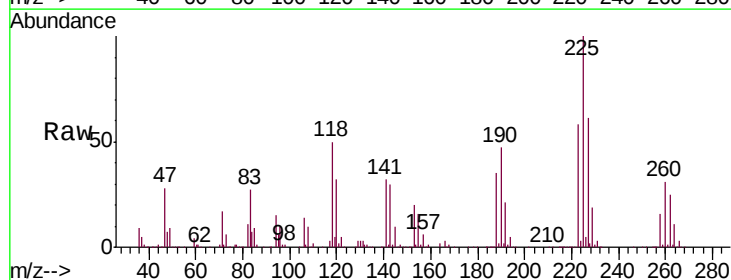
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

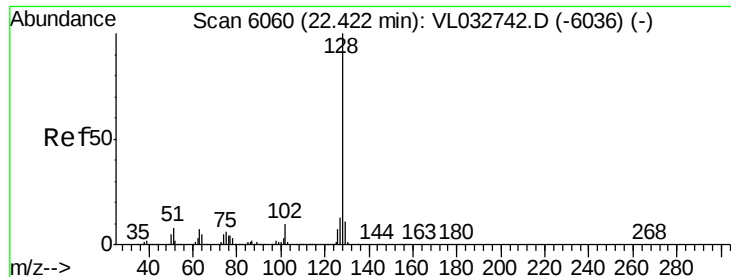
Tgt Ion:146 Resp: 2275662
 Ion Ratio Lower Upper
 146 100
 111 48.5 24.4 73.2
 148 64.1 32.2 96.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.292 ppbv
 RT: 23.55 min Scan# 6412
 Delta R.T. -0.00 min
 Lab File: VL032874.D
 Acq: 4 Dec 2018 9:53

Tgt Ion:225 Resp: 942894
 Ion Ratio Lower Upper
 225 100
 223 62.3 50.3 75.5
 227 63.3 50.2 75.4





#79

Naphthalene

Concen: 8.520 ppbv

RT: 22.42 min Scan# 6061

Delta R.T. 0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010

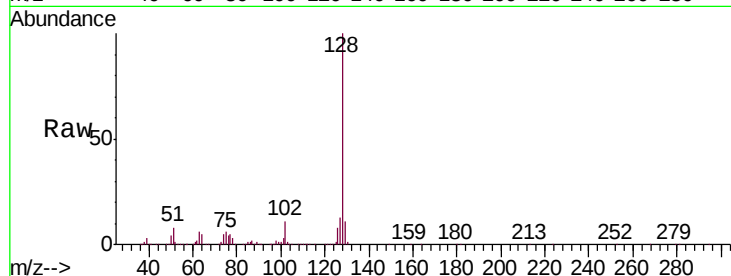
Tgt Ion:128 Resp: 2928665

Ion Ratio Lower Upper

128 100

127 13.2 10.1 15.1

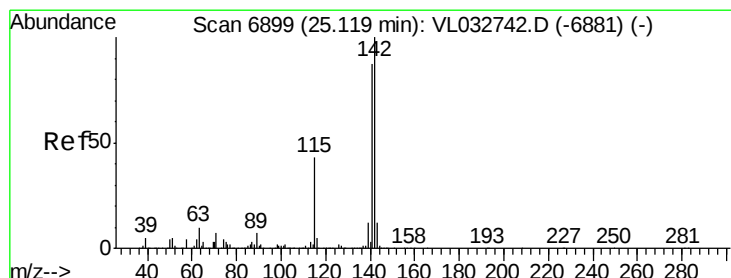
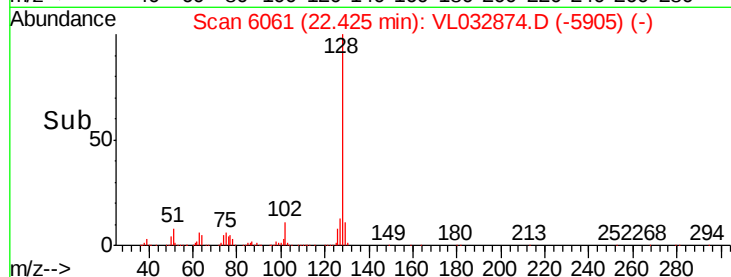
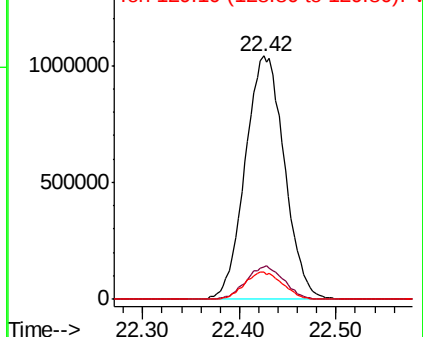
129 11.2 8.9 13.3



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 9.594 ppbv

RT: 25.12 min Scan# 6900

Delta R.T. 0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

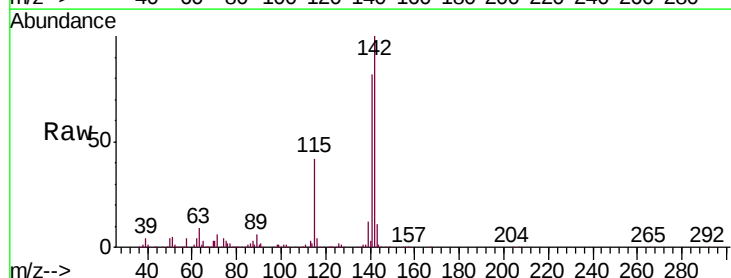
Tgt Ion:142 Resp: 825971

Ion Ratio Lower Upper

142 100

141 83.5 68.7 103.1

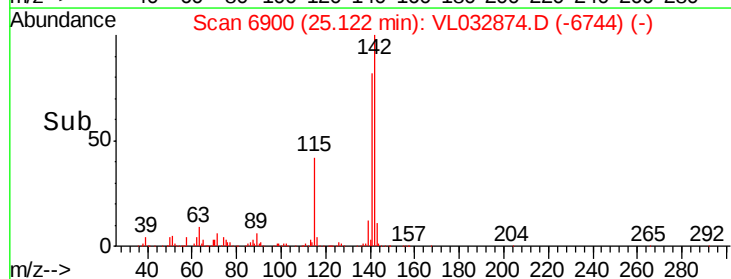
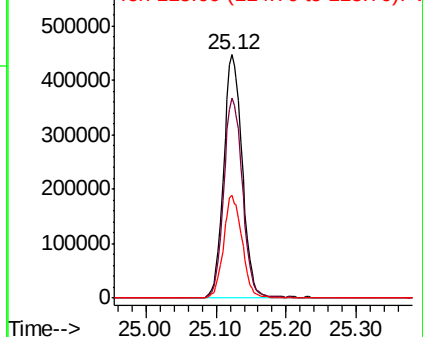
115 42.5 35.5 53.3

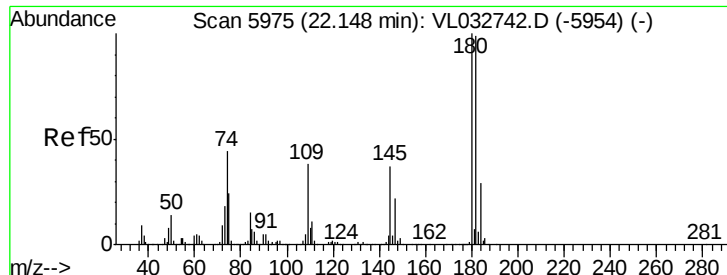


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 9.368 ppbv

RT: 22.15 min Scan# 5975

Delta R.T. -0.00 min

Lab File: VL032874.D

Acq: 4 Dec 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

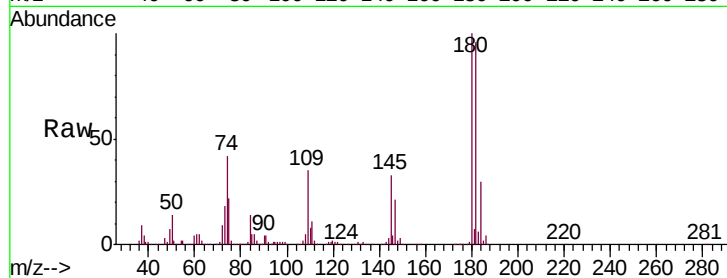
Tgt Ion:180 Resp: 1616989

Ion Ratio Lower Upper

180 100

182 94.7 77.3 115.9

184 30.2 24.2 36.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

