

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
 Data File : VL033307.D
 Acq On : 14 Mar 2019 2:34
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

Quant Time: Mar 15 02:03:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 14 00:01:31 2019
 QLast Update : Thu Mar 14 00:01:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	768864	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1832069	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2619331	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1616419	8.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	3.08	85	1161076	8.161 ppbv	99
3) Chlorodifluoromethane	3.01	51	916764	9.141 ppbv	100
4) Chloromethane	3.17	50	489386	9.013 ppbv	99
5) Vinyl Chloride	3.29	62	484122	8.907 ppbv	98
6) Bromomethane	3.51	94	309907	9.470 ppbv	99
7) Chloroethane	3.60	64	190376	9.783 ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1190147	9.161 ppbv	98
9) Propene	3.04	41	418322	9.242 ppbv	100
10) Heptane	8.25	43	1035595	9.359 ppbv	99
11) Trichlorofluoromethane	4.00	101	1324219	9.264 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	880031	9.132 ppbv	100
13) Ethanol	3.65	45	56757	4.097 ppbv #	61
14) Bromoethene	3.79	108	393723	9.829 ppbv	99
15) Acetone	3.90	43	853749	8.076 ppbv	100
16) 1,3-Butadiene	3.36	39	391550	9.045 ppbv	87
17) tert-Butyl alcohol	4.36	59	163586	8.872 ppbv	100
18) 1,1-Dichloroethene	4.35	96	380912	8.949 ppbv	96
19) Isopropyl Alcohol	4.02	45	587588	9.086 ppbv	100
20) Methylene Chloride	4.41	84	334656	7.819 ppbv	97
21) Allyl Chloride	4.48	41	616046	9.652 ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	397192	9.250 ppbv	94
23) Vinyl Acetate	5.16	43	1479641	9.640 ppbv	99
24) 1,1-Dichloroethane	5.09	63	1005520	9.056 ppbv	99
25) Ethyl Acetate	5.77	43	1751559	9.095 ppbv	99
26) Hexane	5.78	57	779175	8.659 ppbv	99
27) Carbon Disulfide	4.62	76	996133	10.352 ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1227947	9.493 ppbv	99
29) Chloroform	5.85	83	1291053	9.230 ppbv	98
30) Cyclohexane	7.25	84	660129	9.450 ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	809853	9.347 ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1273195	9.379 ppbv	100
34) 2-Butanone	5.33	43	1136200	8.970 ppbv	99
35) Carbon Tetrachloride	7.14	117	1327141	9.423 ppbv	98
36) Benzene	7.01	78	1652939	9.187 ppbv	98
37) 1,2-Dichloroethane	6.42	62	990722	9.217 ppbv	99
38) Trichloroethene	7.96	130	617806	8.684 ppbv	96
39) 1,2-Dichloropropane	7.74	63	629589	9.112 ppbv	99
40) 1,4-Dioxane	7.95	88	225864	9.046 ppbv	78
41) Tetrahydrofuran	6.15	42	661478	9.413 ppbv	99
42) Bromodichloromethane	7.92	83	1429676	9.489 ppbv	99
43) Methyl Methacrylate	8.14	69	670857	9.365 ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2741228	8.911	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	897647	10.685	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1030177	10.178	ppbv	97
47) 1,1,2-Trichloroethane	9.62	97	673099	9.101	ppbv	98
48) Dibromochloromethane	10.45	129	1187031	9.756	ppbv	100
49) Bromoform	13.20	173	1186939	11.260	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1692719	9.223	ppbv	100
51) 2-Hexanone	10.27	43	1335079	9.528	ppbv #	100
52) Tetrachloroethene	11.37	164	681238	9.217	ppbv	94
53) Toluene	9.95	91	1945712	9.444	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1075252	9.107	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.28	131	935109	7.957	ppbv	96
57) Chlorobenzene	12.30	112	1590183	7.520	ppbv	99
58) Ethyl Benzene	12.87	91	3008971	8.002	ppbv	99
59) m/p-Xylene	13.15	91	2459309	7.778	ppbv #	100
60) o-Xylene	13.85	91	2442381	8.009	ppbv	100
61) Styrene	13.69	104	1822938	8.518	ppbv	100
62) Isopropylbenzene	14.83	105	3442889	8.025	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1661440	7.559	ppbv	100
64) n-propylbenzene	15.73	120	874668	8.222	ppbv	97
65) tert-Butylbenzene	16.91	119	3031797	8.361	ppbv	99
66) Benzyl Chloride	17.16	91	1544009	10.702	ppbv	99
67) sec-Butylbenzene	17.46	105	4337330	8.319	ppbv	100
69) p-Isopropyltoluene	17.82	119	3567404	8.564	ppbv	100
70) n-Butylbenzene	18.72	91	3757761	8.628	ppbv	100
71) 2-Chlorotoluene	15.62	91	2659224	8.276	ppbv	100
72) 4-Ethyltoluene	16.00	105	2843673	8.704	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2728899	8.884	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	2790278	8.902	ppbv	95
75) 1,3-Dichlorobenzene	17.17	146	1578554	8.045	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1586745	8.282	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1550036	8.114	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1207852	8.574	ppbv	100
79) Naphthalene	22.42	128	2891931	11.230	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	1381452	19.153	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1445706	9.873	ppbv	99

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

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ClientSampleId :
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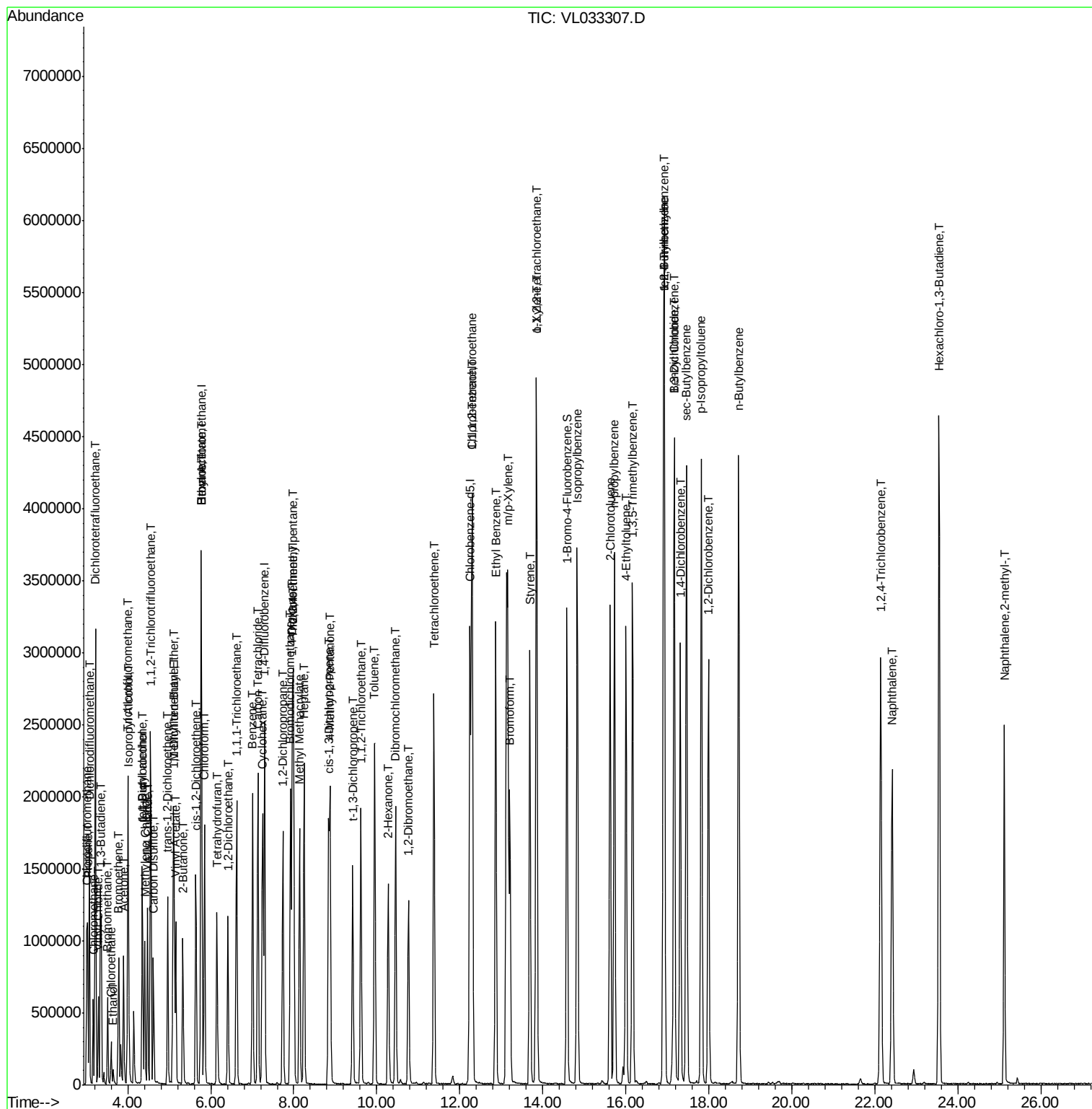
Quant Time: Mar 15 02:03:42 2019

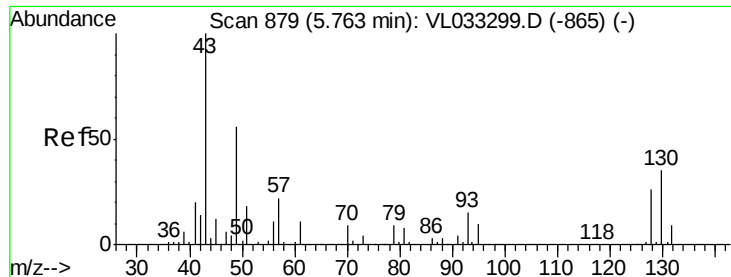
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 14 00:01:31 2019

QLast Update : Thu Mar 14 00:01:31 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031319

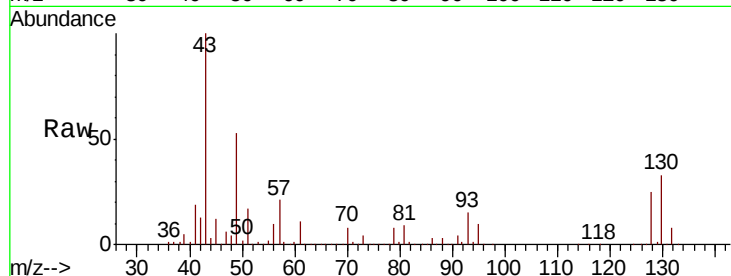
Tgt Ion: 49 Resp: 768864

Ion Ratio Lower Upper

49 100

128 47.4 23.4 70.3

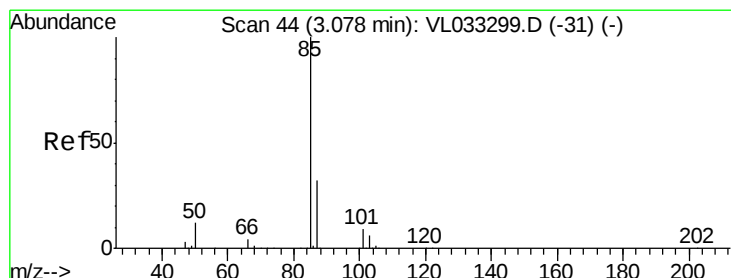
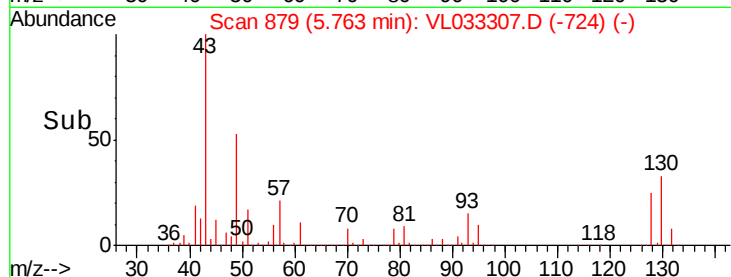
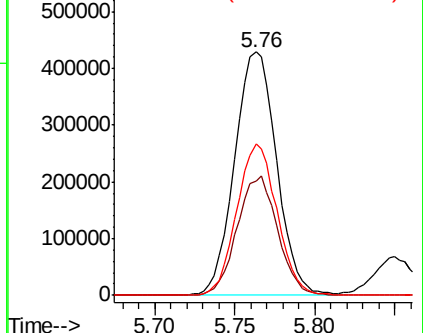
130 59.8 29.9 89.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.161 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033307.D

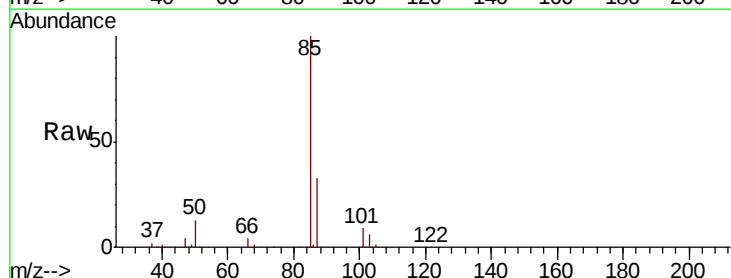
Acq: 14 Mar 2019 2:34

Tgt Ion: 85 Resp: 1161076

Ion Ratio Lower Upper

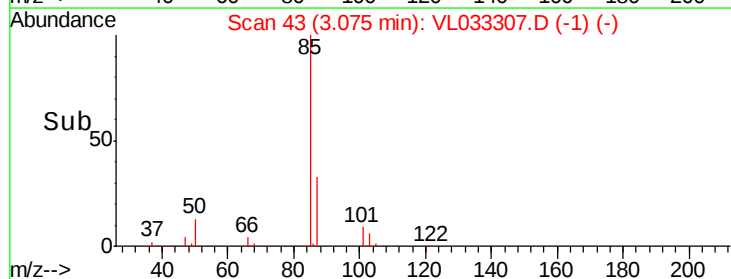
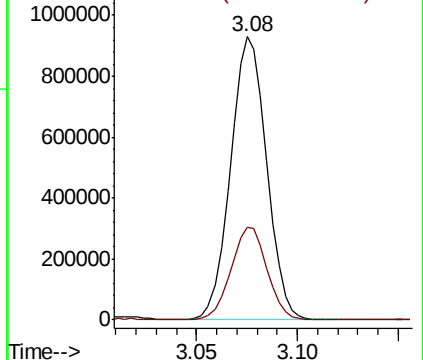
85 100

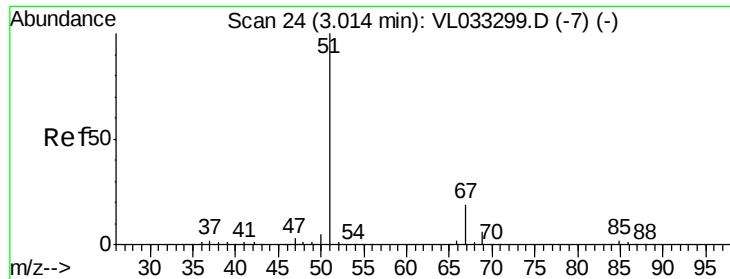
87 32.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

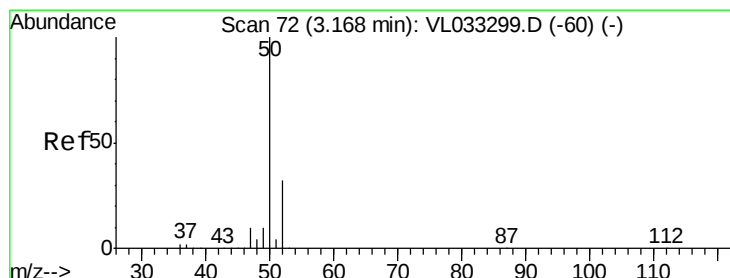
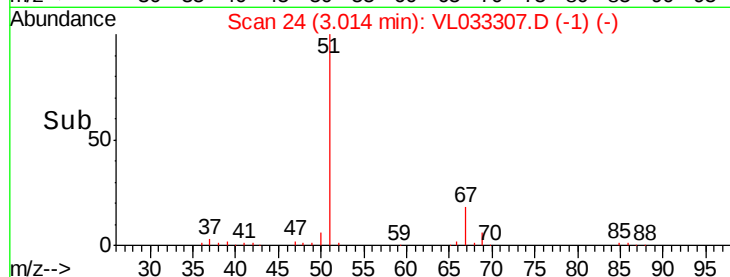
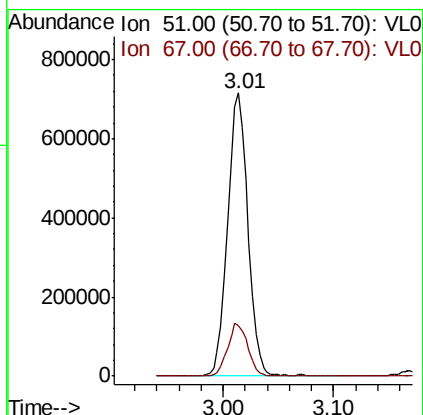
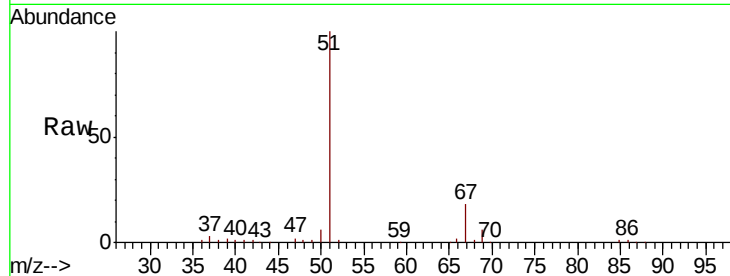




#3
Chlorodifluoromethane
Concen: 9.141 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

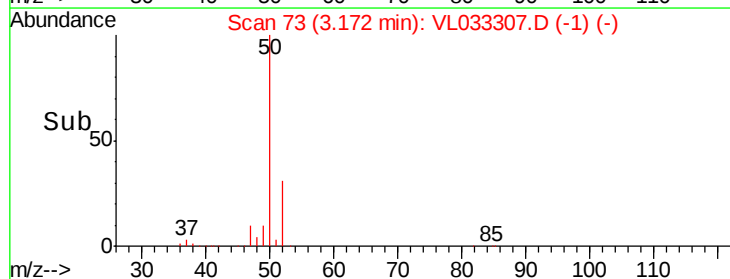
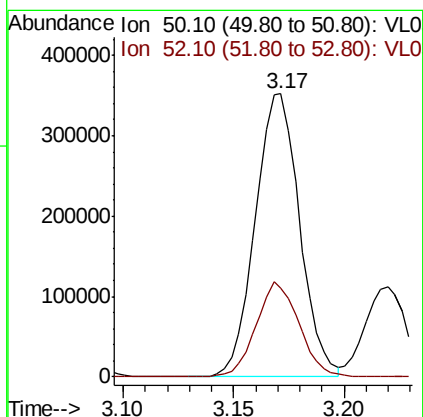
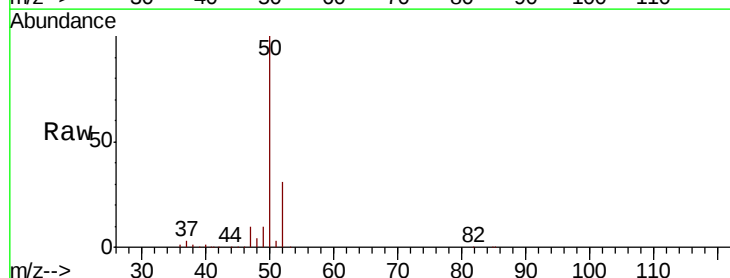
Instrument :
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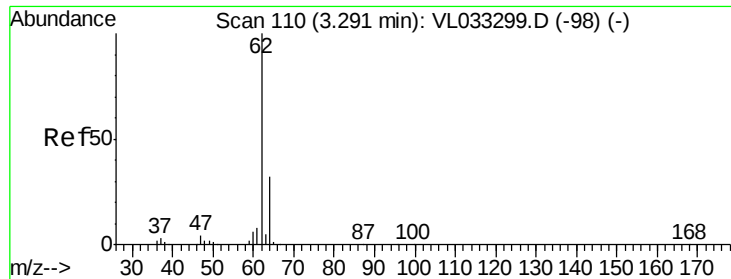
Tgt Ion: 51 Resp: 916764
Ion Ratio Lower Upper
51 100
67 18.7 14.9 22.3



#4
Chloromethane
Concen: 9.013 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 50 Resp: 489386
Ion Ratio Lower Upper
50 100
52 31.4 25.7 38.5





#5

Vinyl Chloride

Concen: 8.907 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

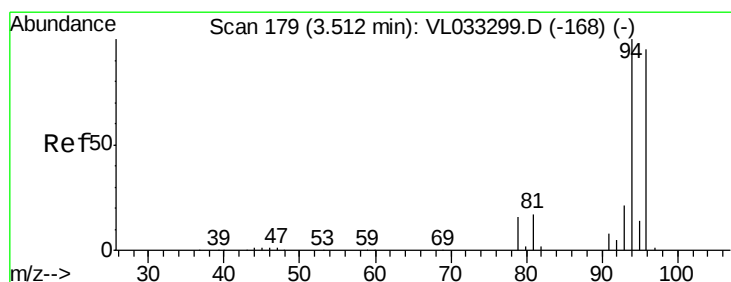
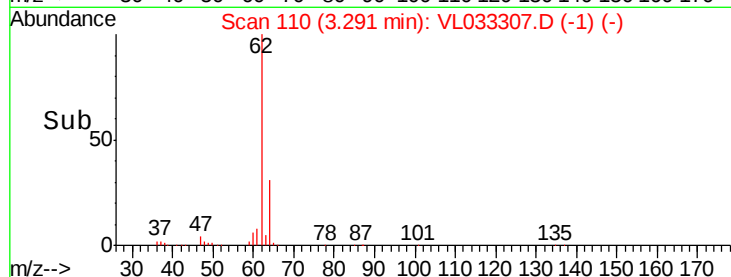
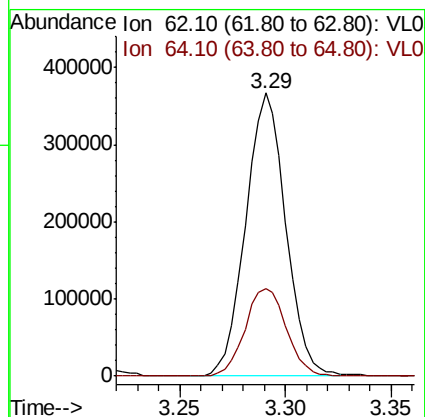
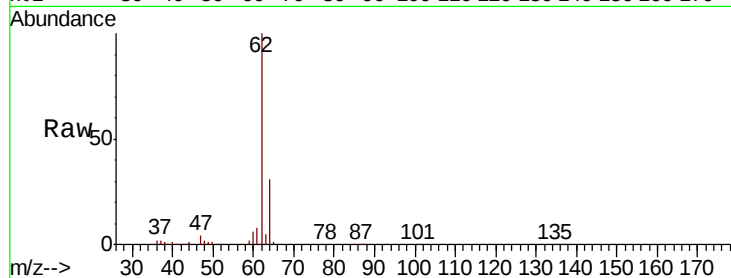
ICVVL031319

Tgt Ion: 62 Resp: 484122

Ion Ratio Lower Upper

62 100

64 30.9 25.5 38.3



#6

Bromomethane

Concen: 9.470 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033307.D

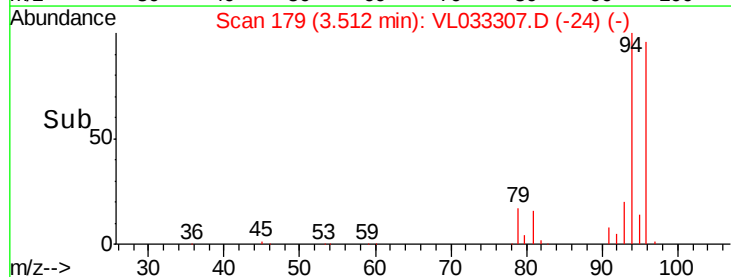
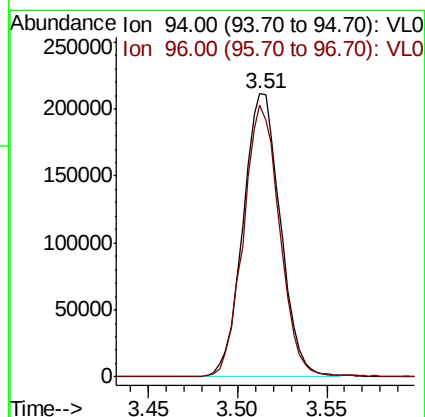
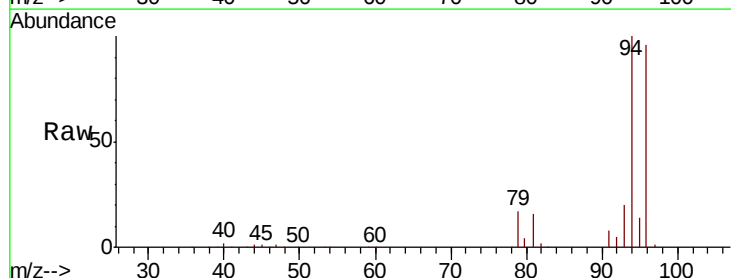
Acq: 14 Mar 2019 2:34

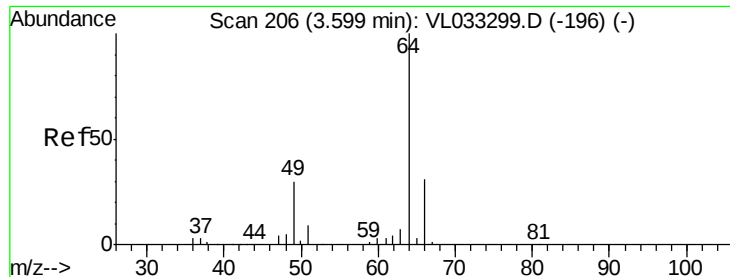
Tgt Ion: 94 Resp: 309907

Ion Ratio Lower Upper

94 100

96 96.0 76.2 114.4





#7

Chloroethane

Concen: 9.783 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

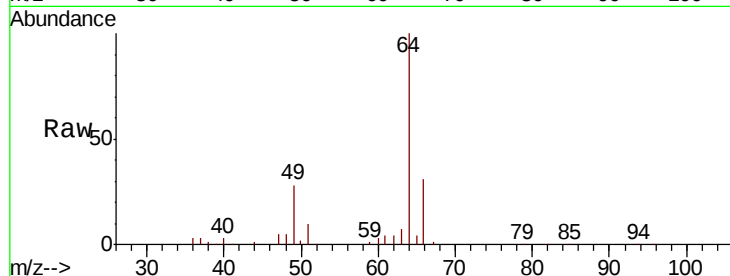
ICVVL031319

Tgt Ion: 64 Resp: 190376

Ion Ratio Lower Upper

64 100

66 31.1 24.9 37.3



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.60

150000

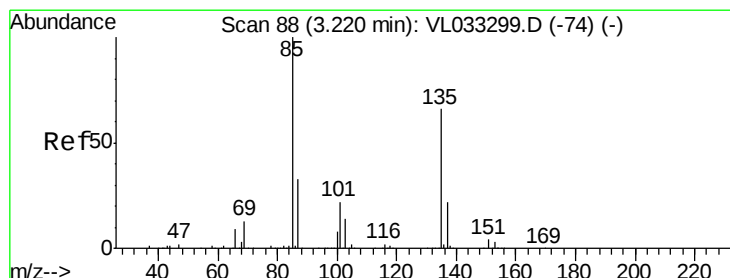
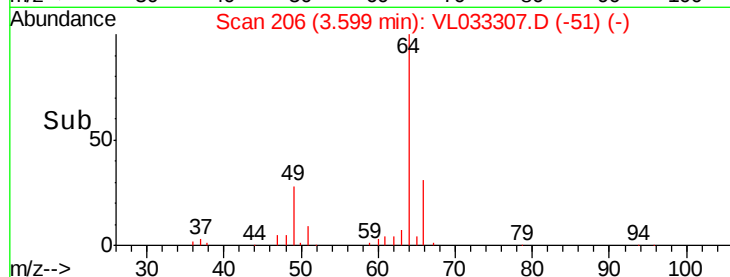
100000

50000

0

Time-->

3.55 3.60 3.65



#8

Dichlorotetrafluoroethane

Concen: 9.161 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033307.D

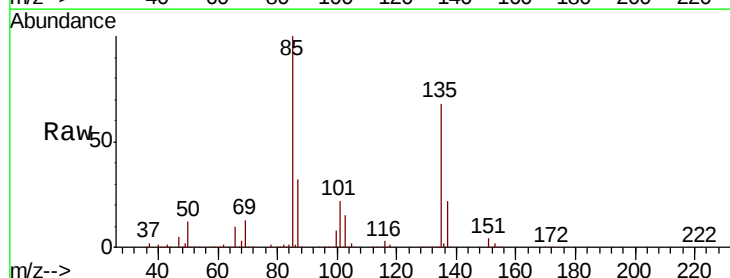
Acq: 14 Mar 2019 2:34

Tgt Ion: 85 Resp: 1190147

Ion Ratio Lower Upper

85 100

135 67.6 52.9 79.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.22

1000000

800000

600000

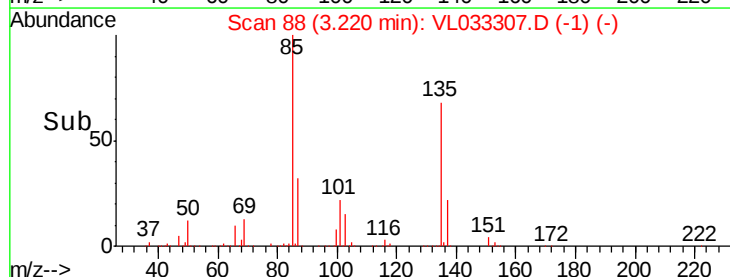
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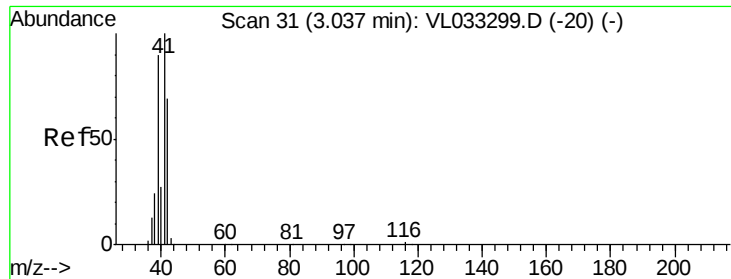
200000

0

Time-->

3.15 3.20 3.25





#9

Propene

Concen: 9.242 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

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ClientSampleId :

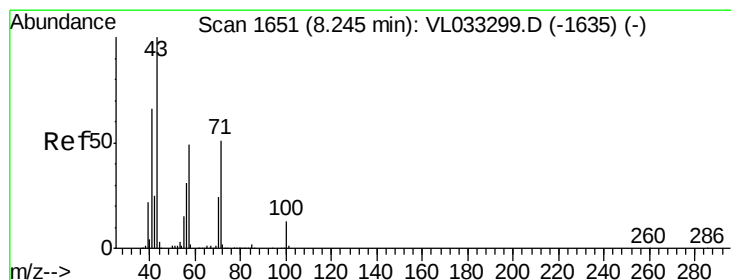
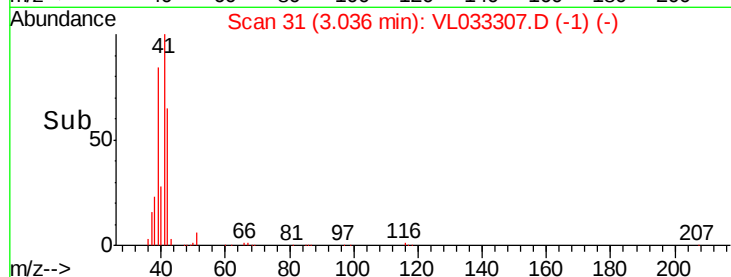
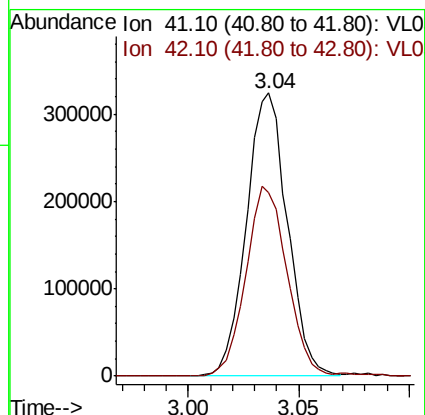
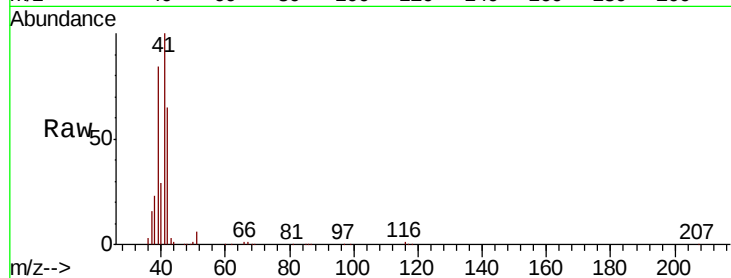
ICVVL031319

Tgt Ion: 41 Resp: 418322

Ion Ratio Lower Upper

41 100

42 68.0 54.4 81.6



#10

Heptane

Concen: 9.359 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VL033307.D

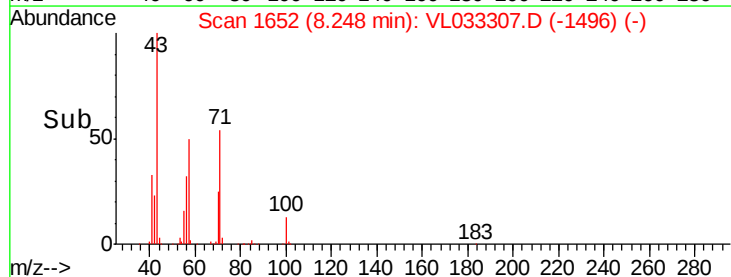
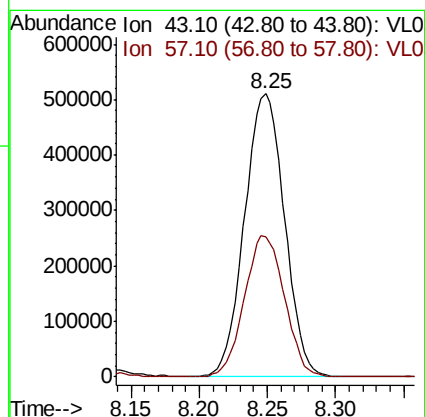
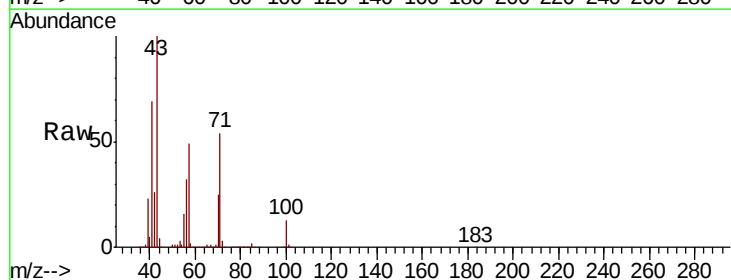
Acq: 14 Mar 2019 2:34

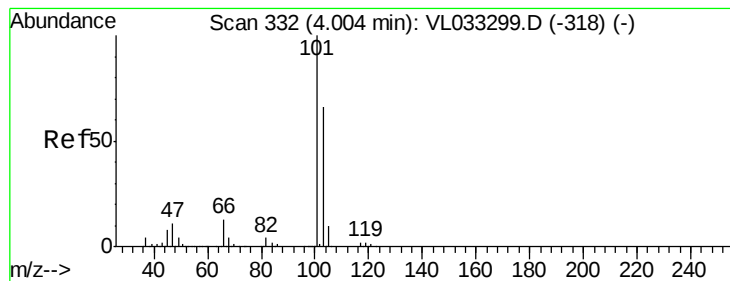
Tgt Ion: 43 Resp: 1035595

Ion Ratio Lower Upper

43 100

57 50.3 39.6 59.4





#11

Trichlorofluoromethane

Concen: 9.264 ppbv

RT: 4.00 min Scan# 332

Delta R.T. -0.00 min

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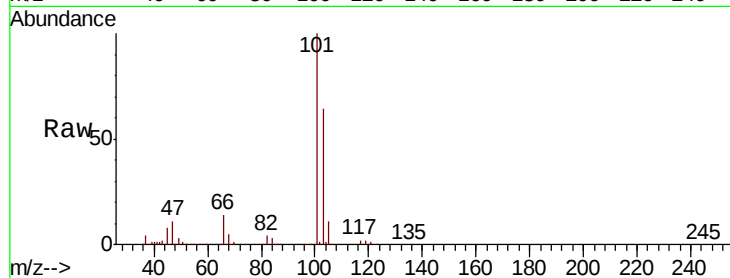
ICVVL031319

Tgt Ion:101 Resp: 1324219

Ion Ratio Lower Upper

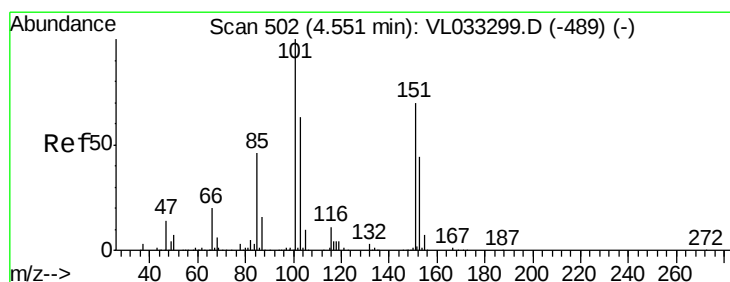
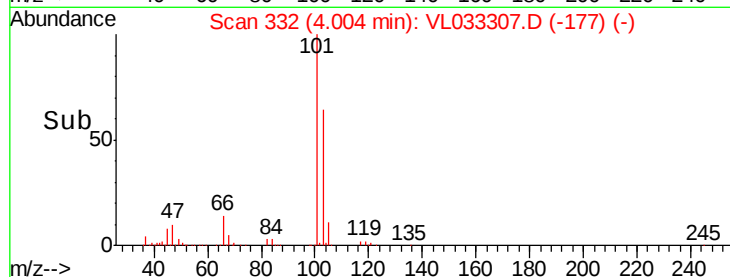
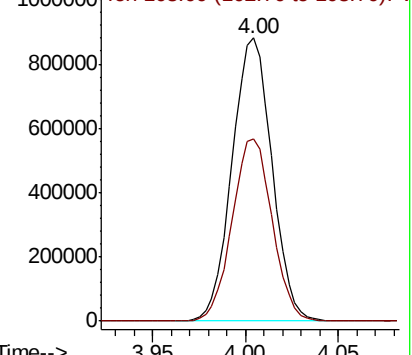
101 100

103 64.2 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.132 ppbv

RT: 4.55 min Scan# 502

Delta R.T. -0.00 min

Lab File: VL033307.D

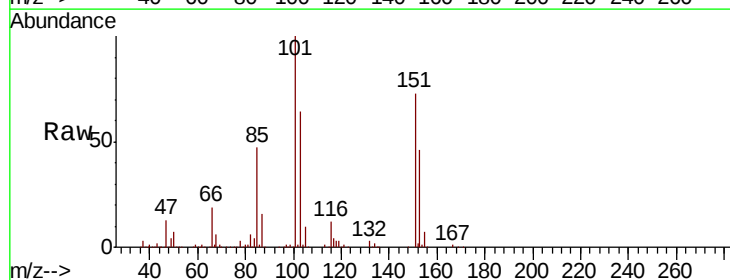
Acq: 14 Mar 2019 2:34

Tgt Ion:101 Resp: 880031

Ion Ratio Lower Upper

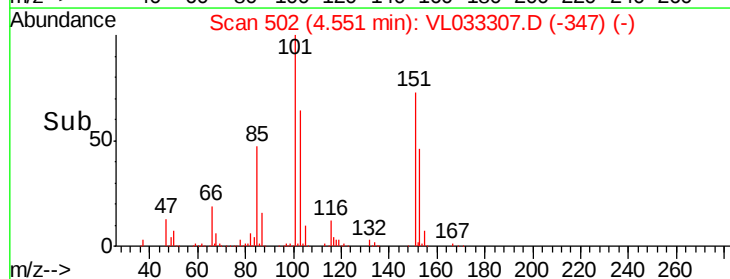
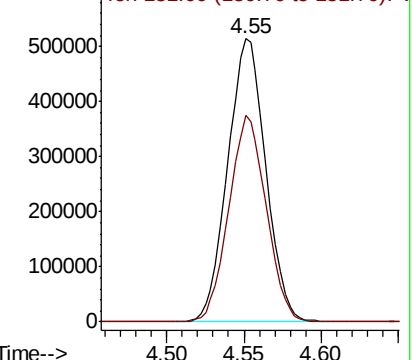
101 100

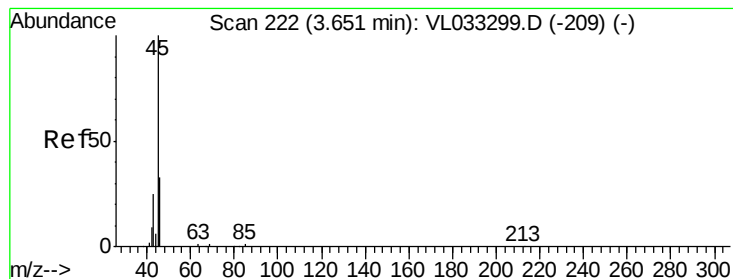
151 71.9 57.2 85.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 4.097 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

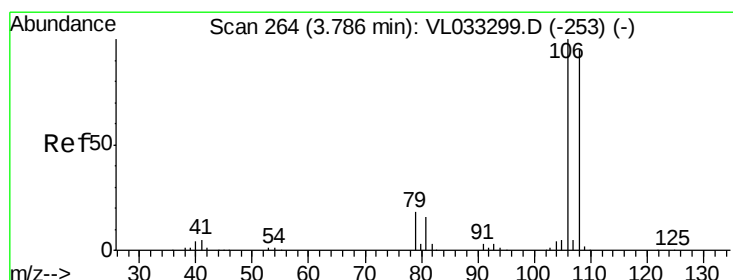
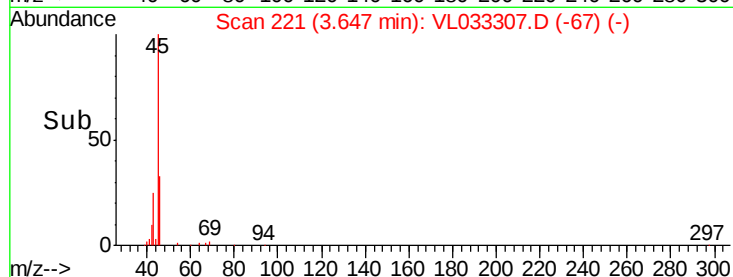
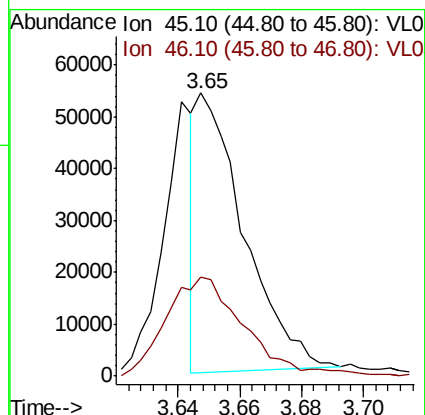
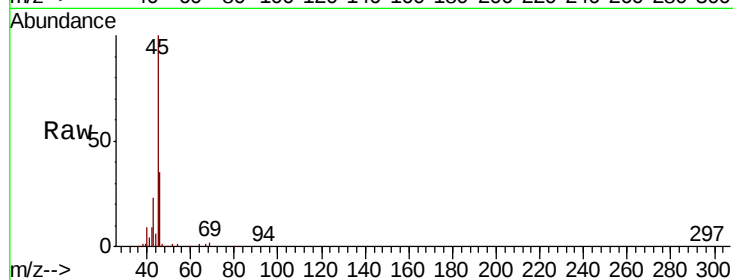
ICVVL031319

Tgt Ion: 45 Resp: 56757

Ion Ratio Lower Upper

45 100

46 60.4 14.9 59.5#



#14

Bromoethene

Concen: 9.829 ppbv

RT: 3.79 min Scan# 264

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

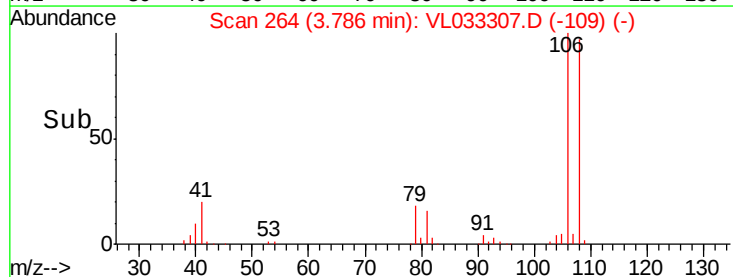
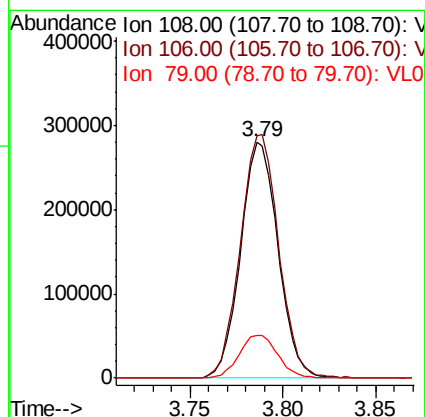
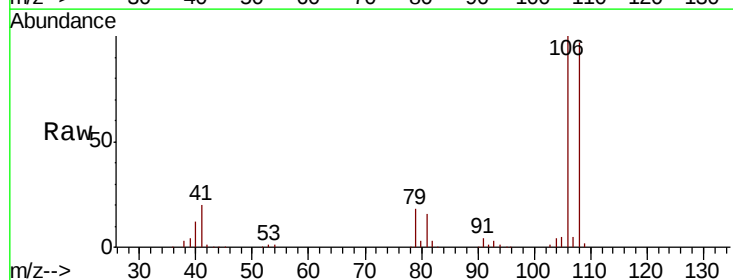
Tgt Ion: 108 Resp: 393723

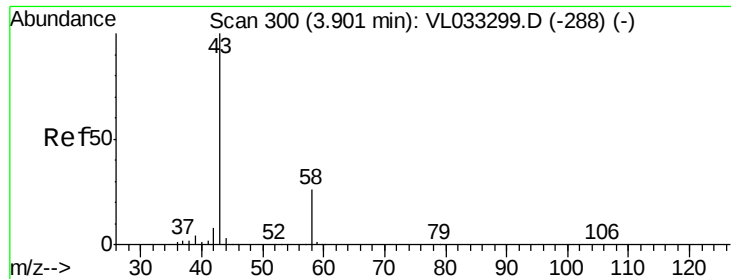
Ion Ratio Lower Upper

108 100

106 105.4 85.1 127.7

79 19.2 15.0 22.6





#15

Acetone

Concen: 8.076 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

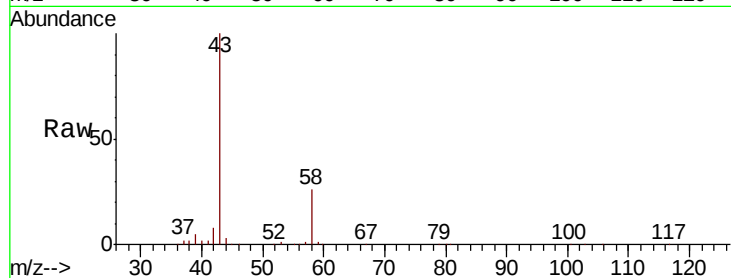
ICVVL031319

Tgt Ion: 43 Resp: 853749

Ion Ratio Lower Upper

43 100

58 25.7 20.6 31.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

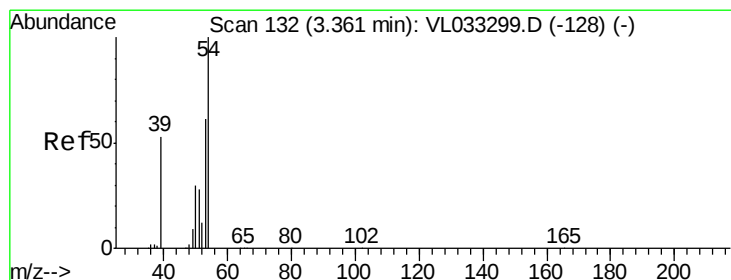
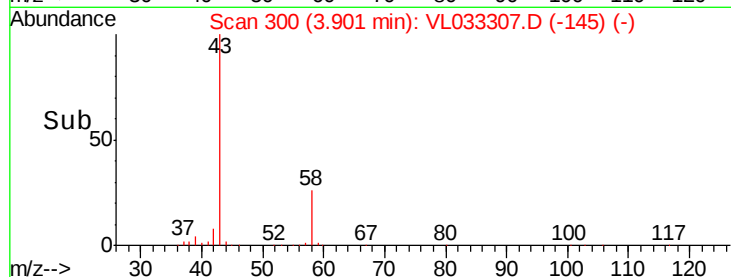
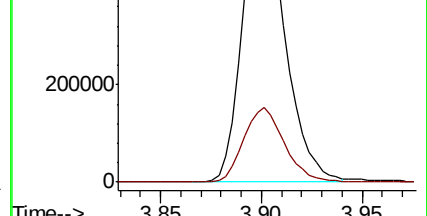
3.90

600000

400000

200000

0



#16

1,3-Butadiene

Concen: 9.045 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033307.D

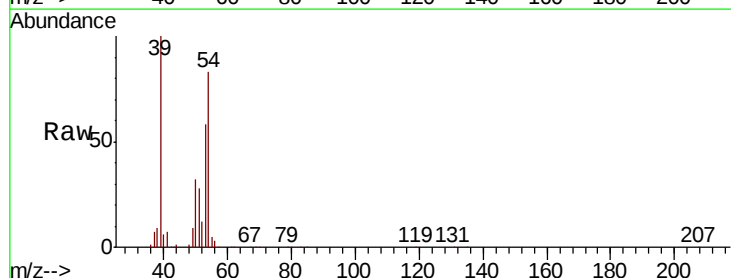
Acq: 14 Mar 2019 2:34

Tgt Ion: 39 Resp: 391550

Ion Ratio Lower Upper

39 100

54 97.2 68.4 102.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

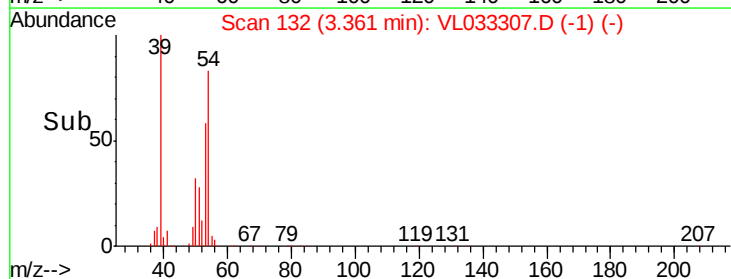
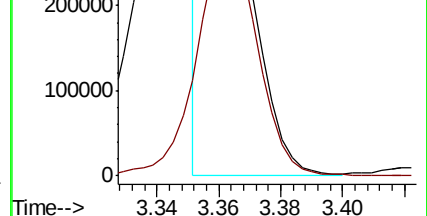
3.36

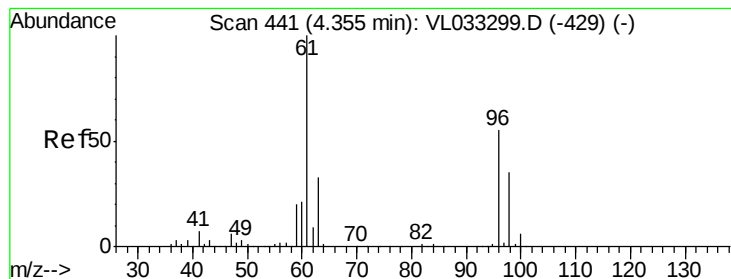
300000

200000

100000

0



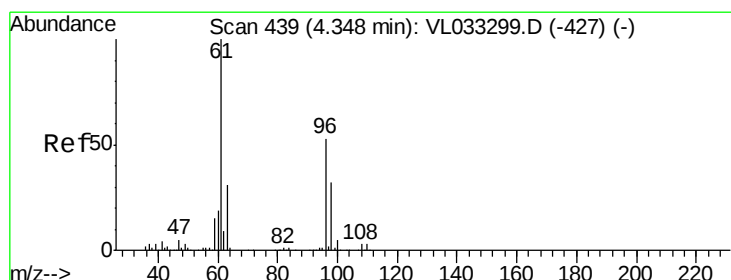
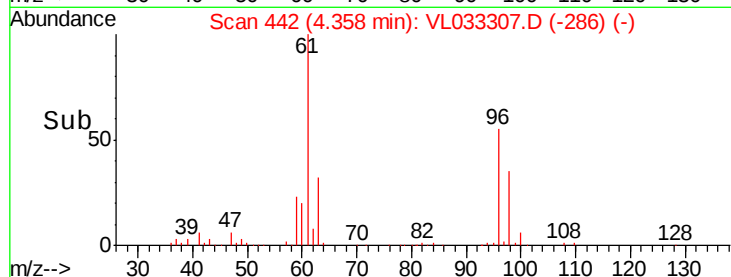
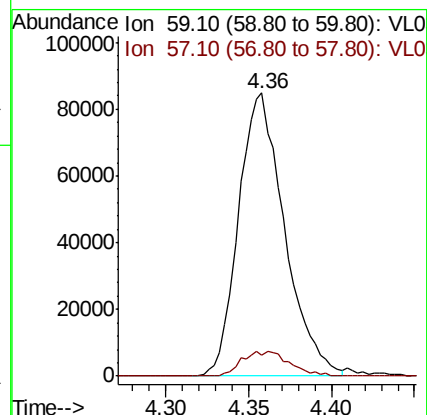
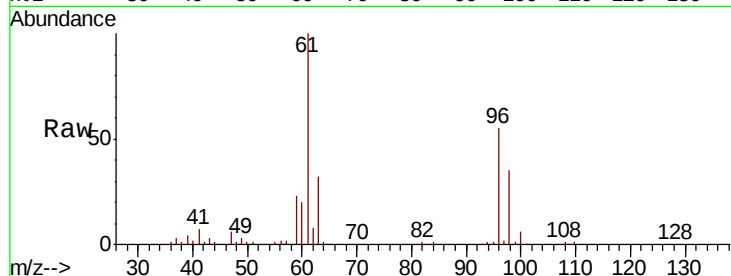


#17

tert-Butyl alcohol
Concen: 8.872 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

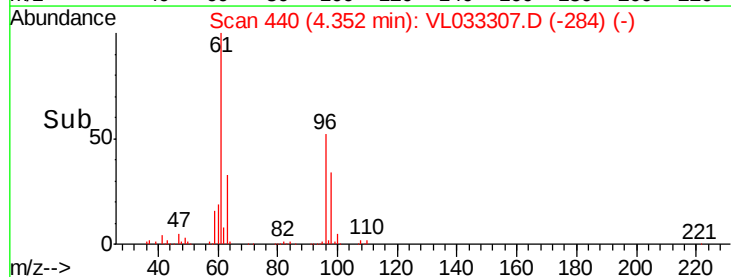
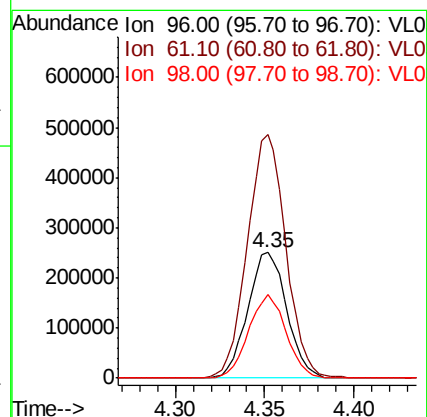
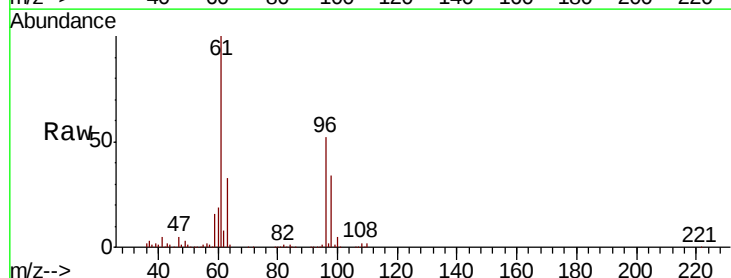
Tgt Ion: 59 Resp: 163586
Ion Ratio Lower Upper
59 100
57 9.1 7.4 11.2

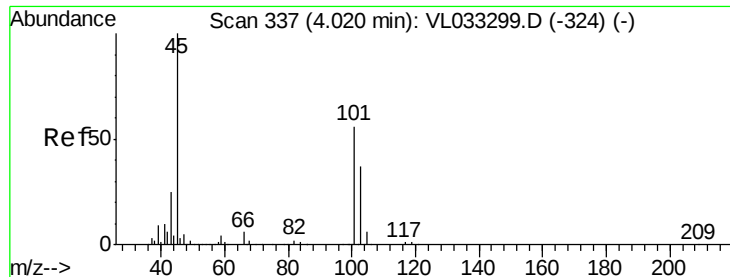


#18

1,1-Dichloroethene
Concen: 8.949 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 96 Resp: 380912
Ion Ratio Lower Upper
96 100
61 193.9 152.3 228.5
98 66.8 48.6 72.8





#19

Isopropyl Alcohol

Concen: 9.086 ppbv

RT: 4.02 min Scan# 337

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

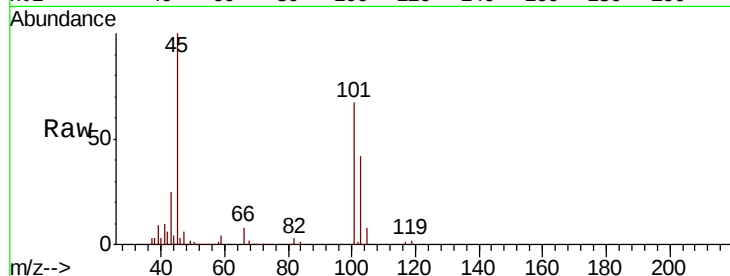
ICVVL031319

Tgt Ion: 45 Resp: 587588

Ion Ratio Lower Upper

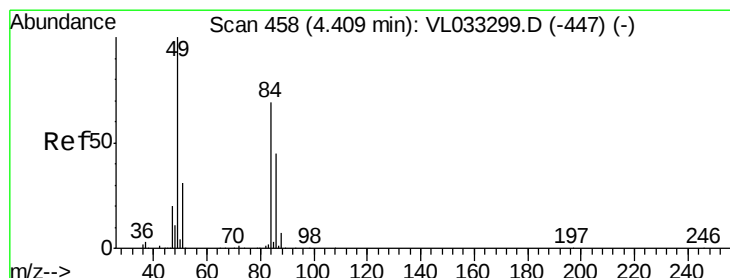
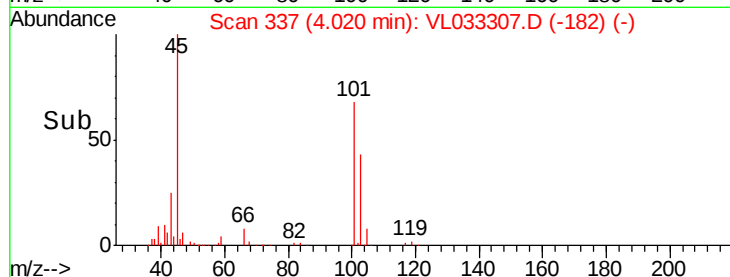
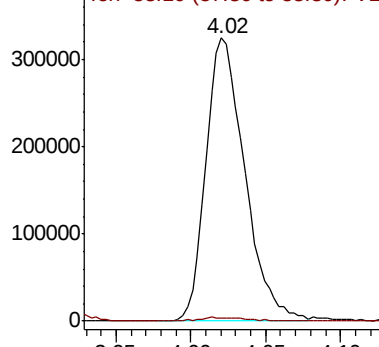
45 100

58 1.6 1.4 2.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 7.819 ppbv

RT: 4.41 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Tgt Ion: 84 Resp: 334656

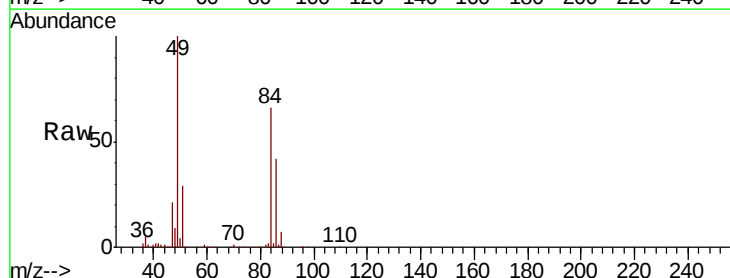
Ion Ratio Lower Upper

84 100

49 149.9 115.4 173.2

51 43.8 35.7 53.5

86 63.6 52.6 78.8

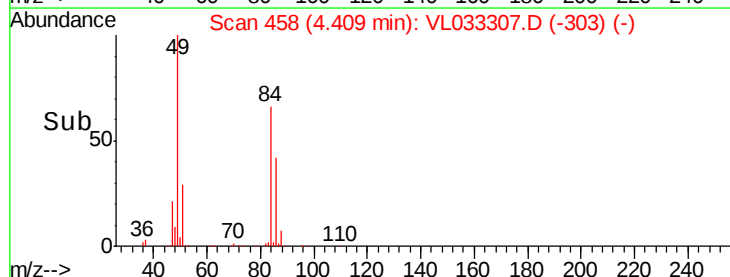
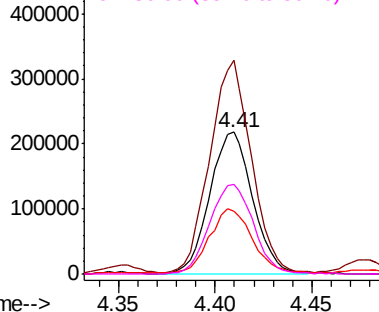


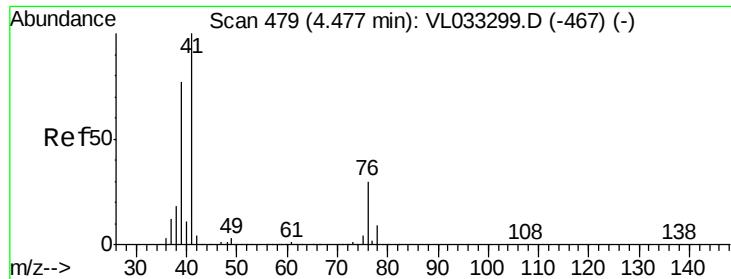
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

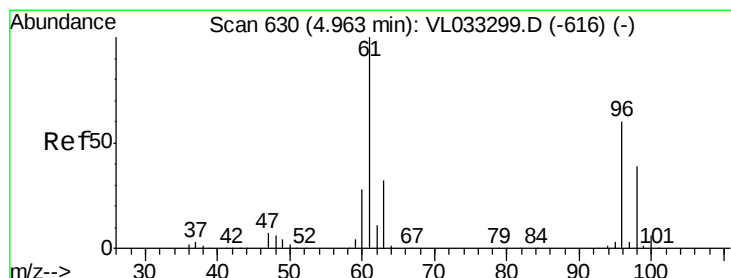
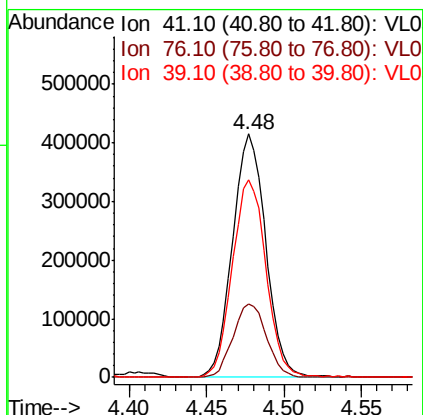
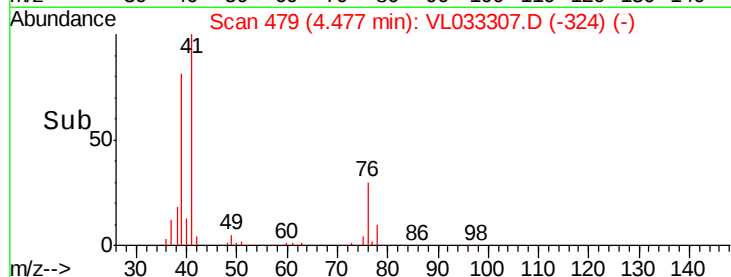
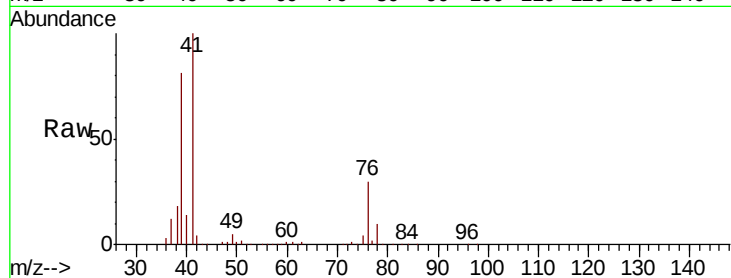




#21
 Allyl Chloride
 Concen: 9.652 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

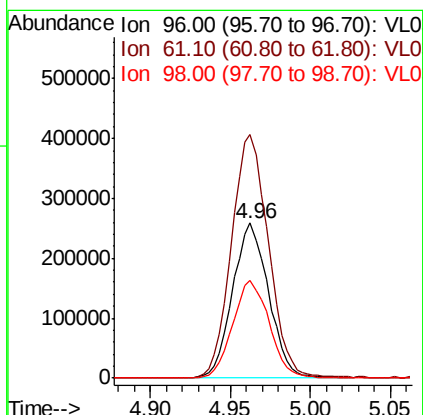
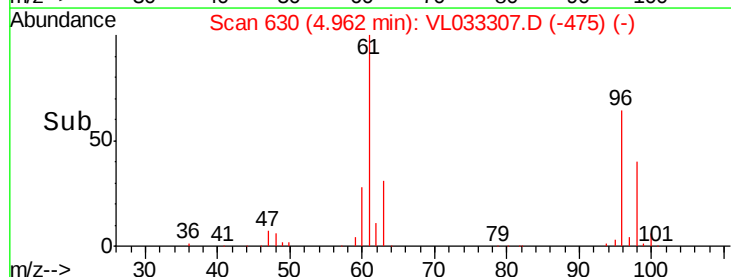
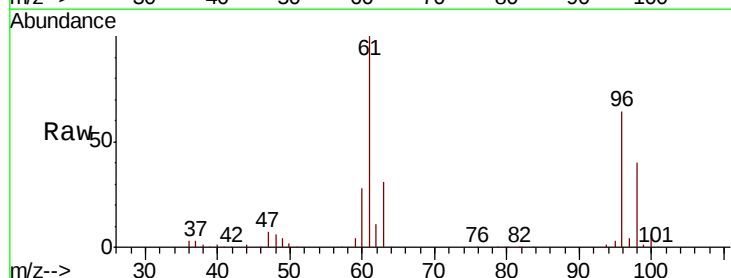
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

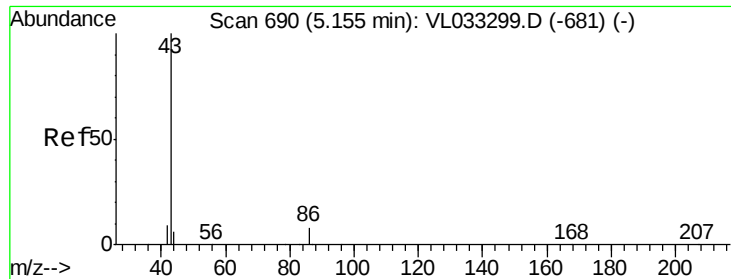
Tgt Ion: 41 Resp: 616046
 Ion Ratio Lower Upper
 41 100
 76 30.6 24.3 36.5
 39 82.4 64.4 96.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.250 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Tgt Ion: 96 Resp: 397192
 Ion Ratio Lower Upper
 96 100
 61 157.0 132.7 199.1
 98 62.7 52.4 78.6



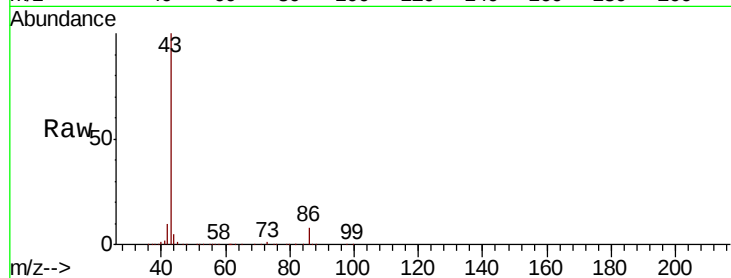


#23
 Vinyl Acetate
 Concen: 9.640 ppbv
 RT: 5.16 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

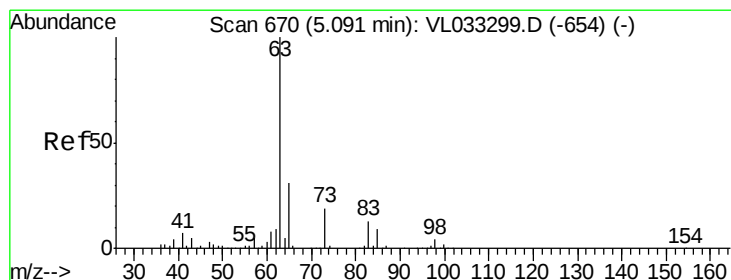
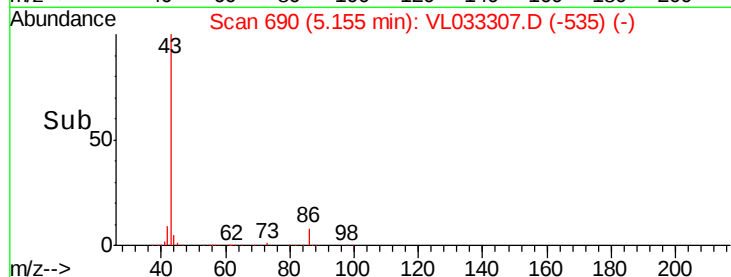
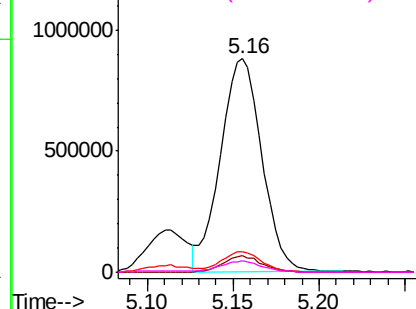
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

Tgt Ion: 43 Resp: 1479641

Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.8	8.8
42	9.5	7.8	11.8
44	5.2	4.1	6.1



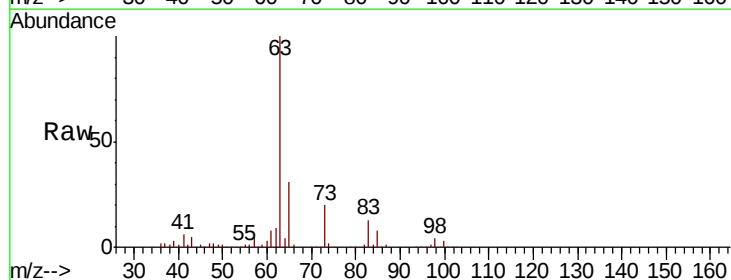
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



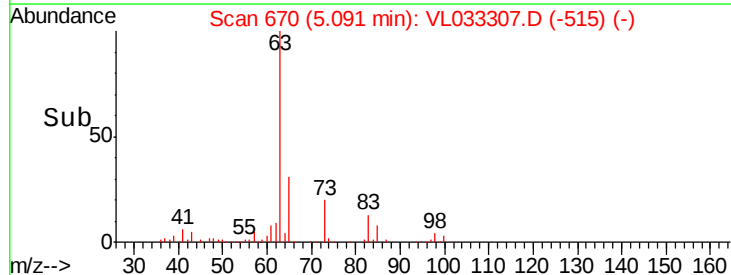
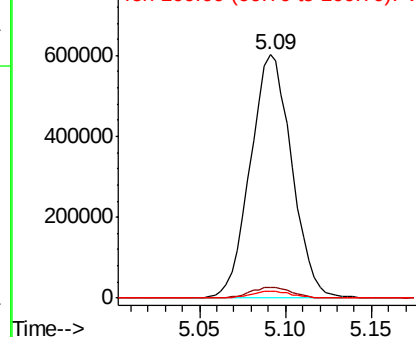
#24
 1,1-Dichloroethane
 Concen: 9.056 ppbv
 RT: 5.09 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

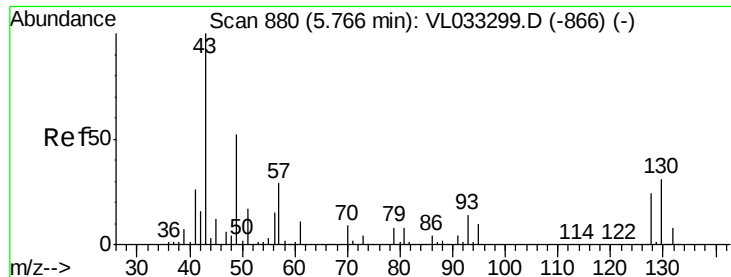
Tgt Ion: 63 Resp: 1005520

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.3	6.8
100	2.7	1.3	3.8



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



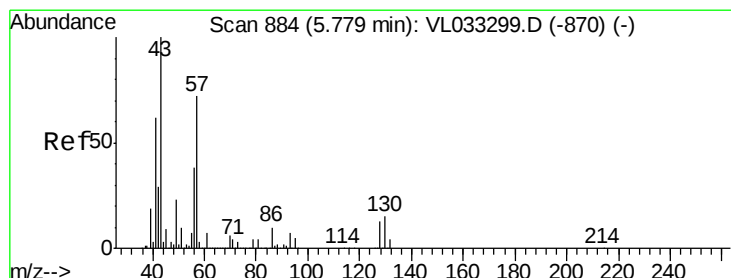
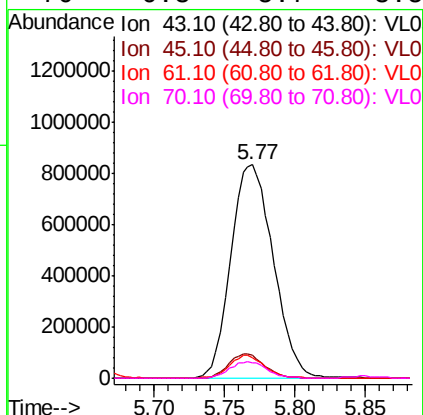
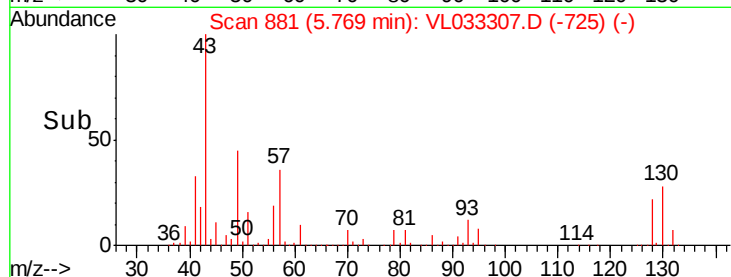
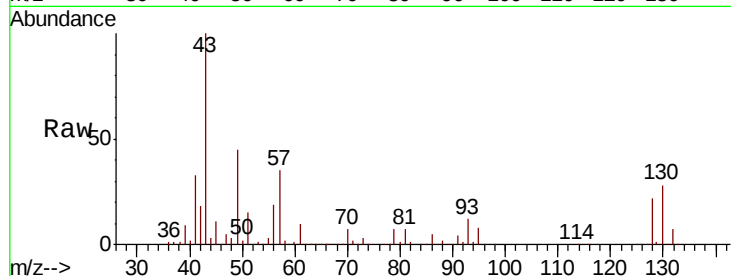


#25
Ethyl Acetate
Concen: 9.095 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

Tgt Ion: 43 Resp: 1751559

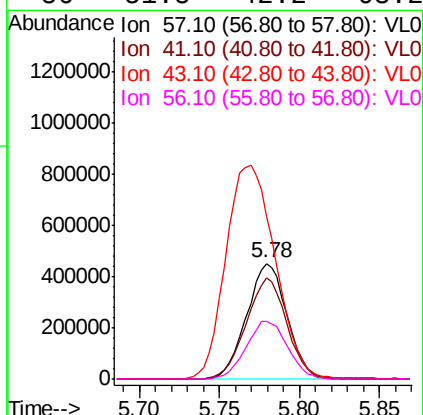
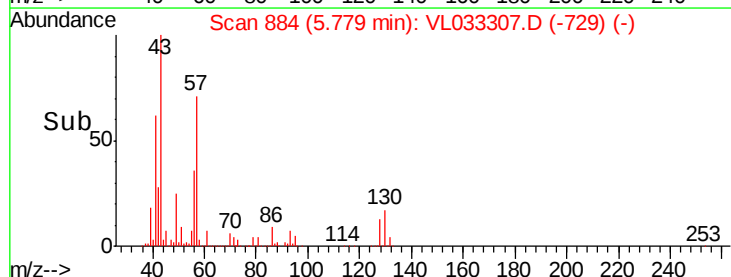
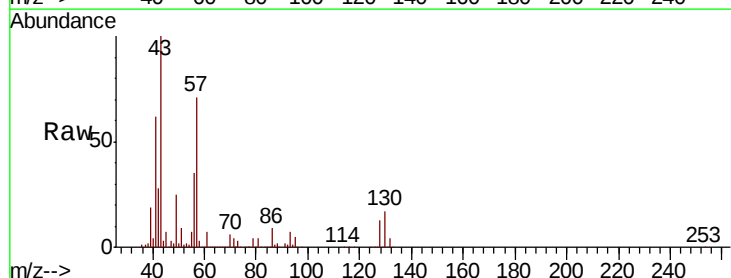
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	9.2	7.5	11.3
70	6.8	5.7	8.5

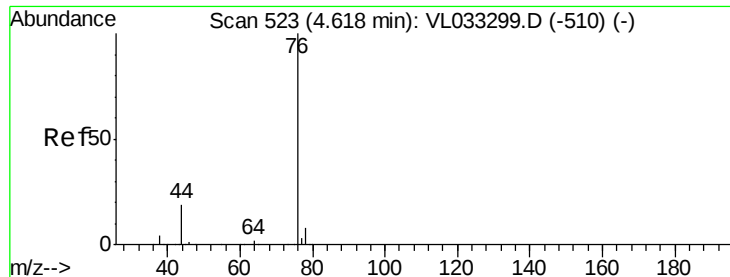


#26
Hexane
Concen: 8.659 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 57 Resp: 779175

Ion	Ratio	Lower	Upper
57	100		
41	88.5	71.6	107.4
43	226.1	179.2	268.8
56	51.5	42.2	63.2





#27

Carbon Disulfide

Concen: 10.352 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031319

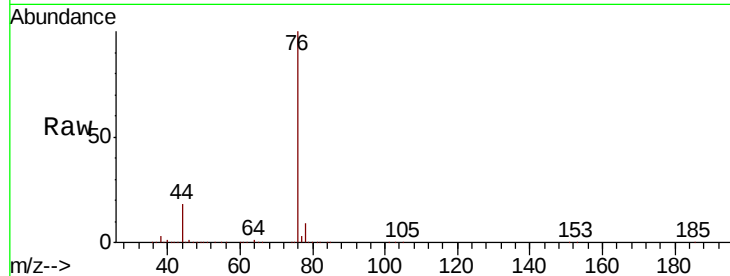
Tgt Ion: 76 Resp: 996133

Ion Ratio Lower Upper

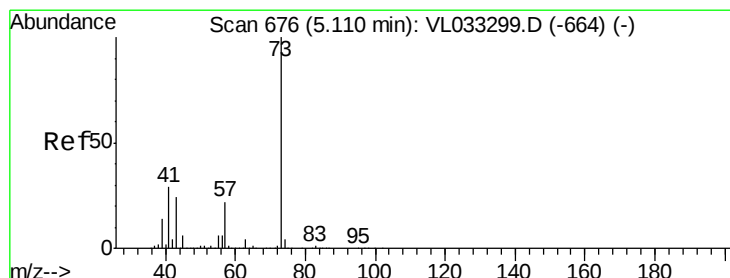
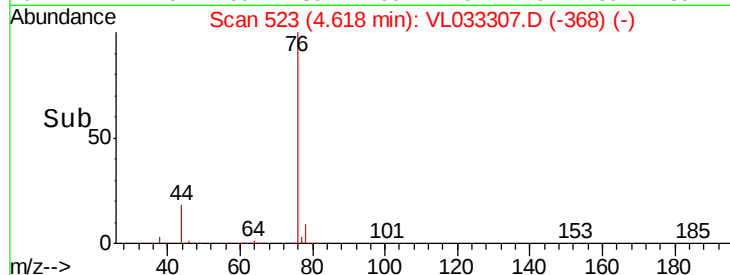
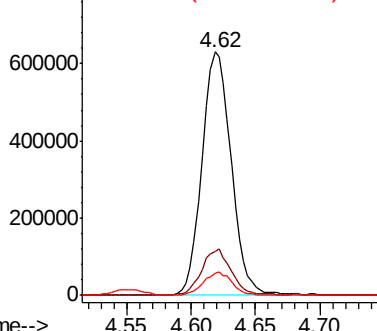
76 100

44 18.8 14.7 22.1

78 9.3 7.3 10.9



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: 9.493 ppbv

RT: 5.11 min Scan# 676

Delta R.T. -0.00 min

Lab File: VL033307.D

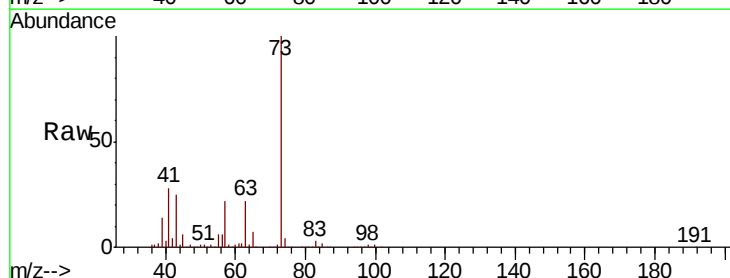
Acq: 14 Mar 2019 2:34

Tgt Ion: 73 Resp: 1227947

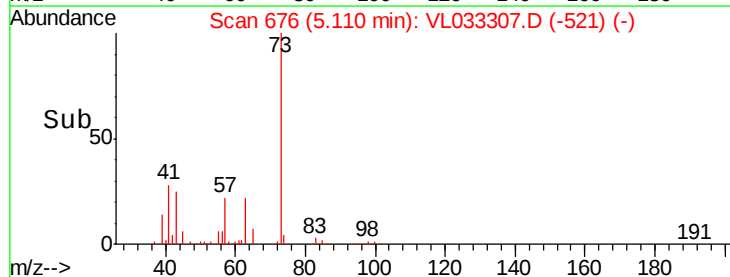
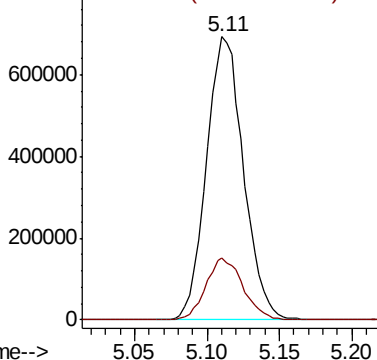
Ion Ratio Lower Upper

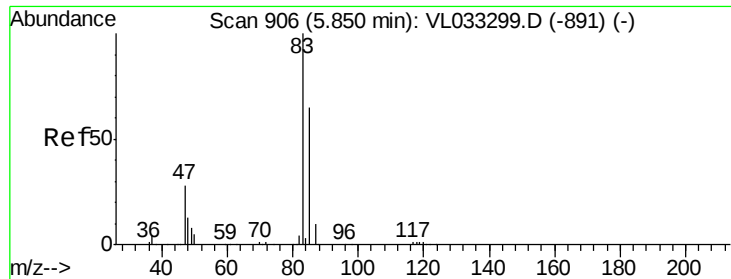
73 100

57 22.0 17.4 26.0



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

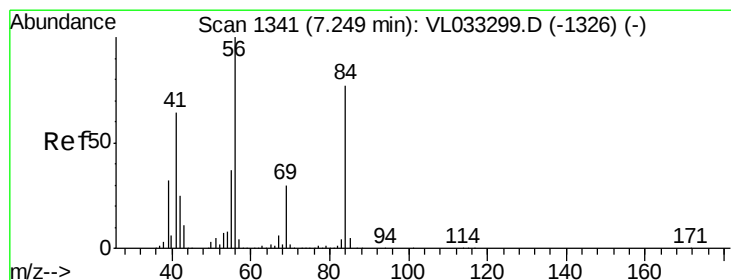
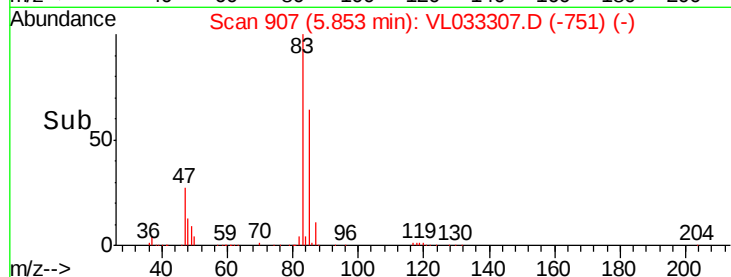
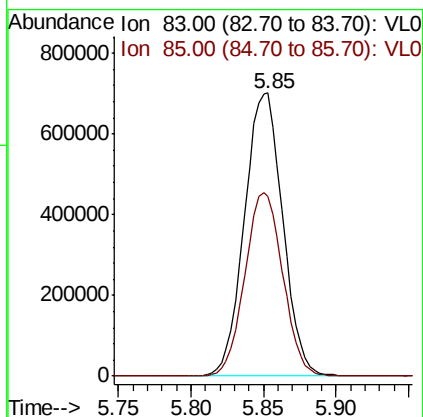
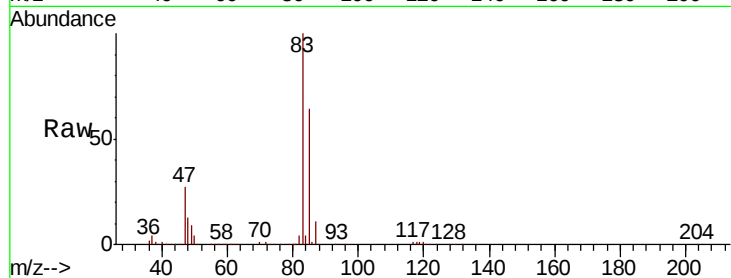




#29
Chloroform
Concen: 9.230 ppbv
RT: 5.85 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

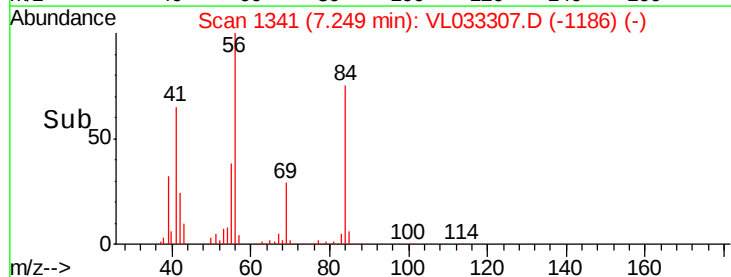
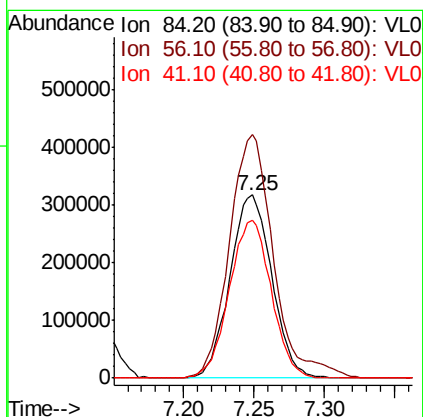
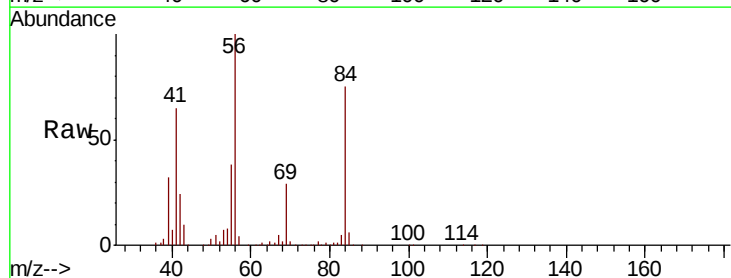
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

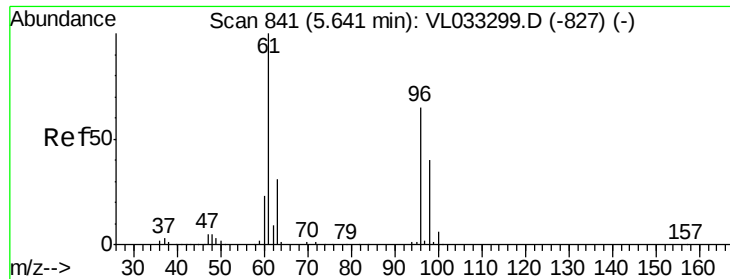
Tgt Ion: 83 Resp: 1291053
Ion Ratio Lower Upper
83 100
85 63.4 52.2 78.4



#30
Cyclohexane
Concen: 9.450 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 84 Resp: 660129
Ion Ratio Lower Upper
84 100
56 140.2 109.8 164.8
41 86.6 68.1 102.1



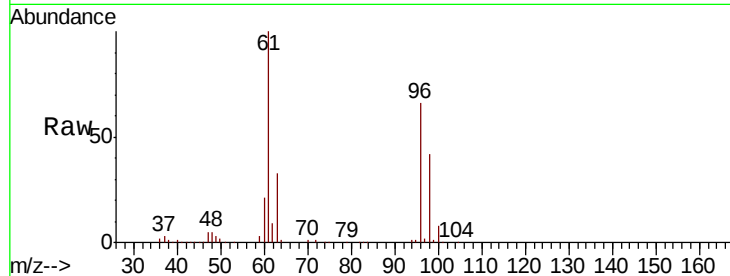


#31

cis-1,2-Dichloroethene
 Concen: 9.347 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

Tgt Ion	Ratio	Lower	Upper
61	100		
96	66.0	51.8	77.6
98	42.2	32.3	48.5

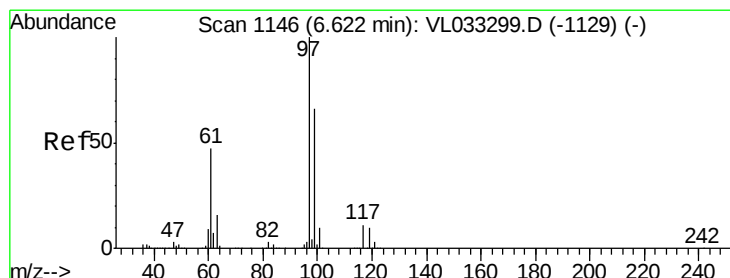
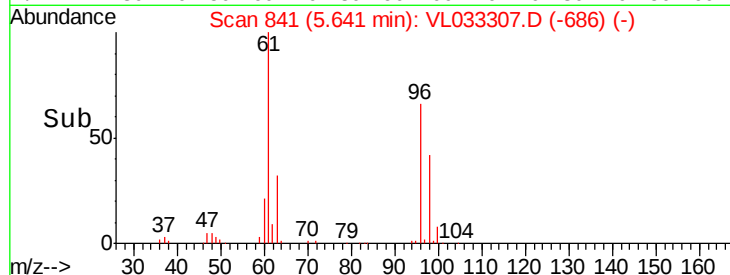
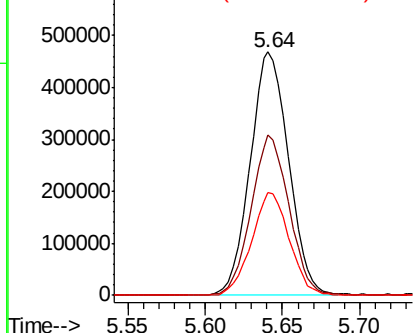


Abundance

Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

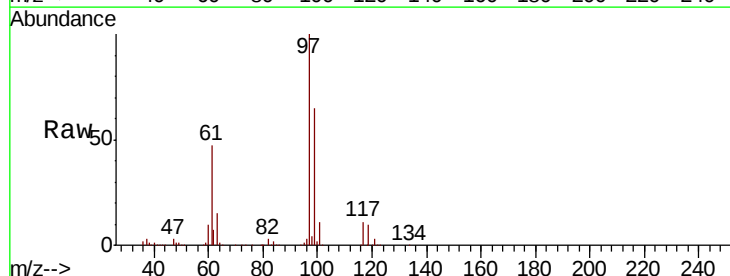
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane
 Concen: 9.379 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	48.9	39.4	59.2

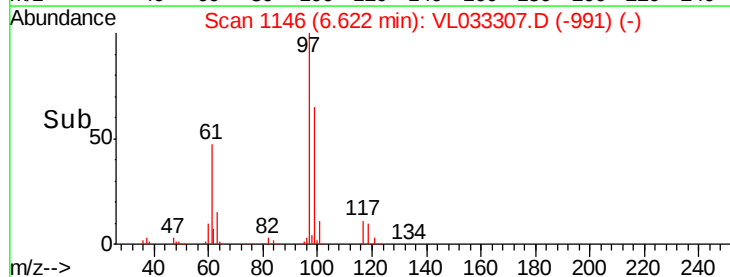
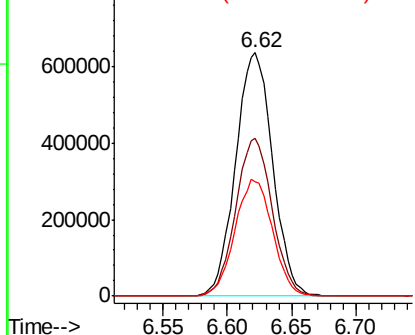


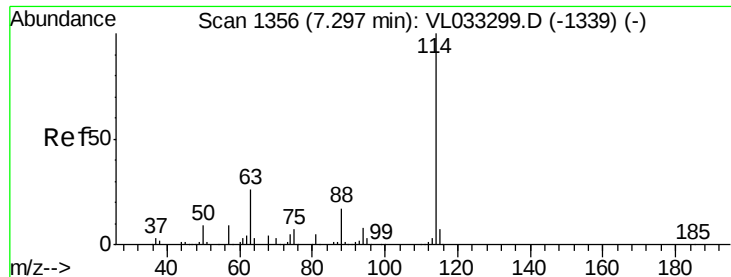
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

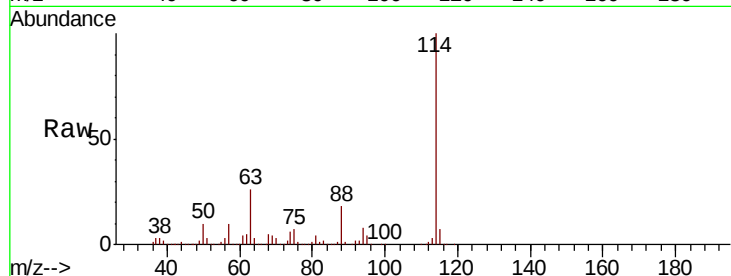




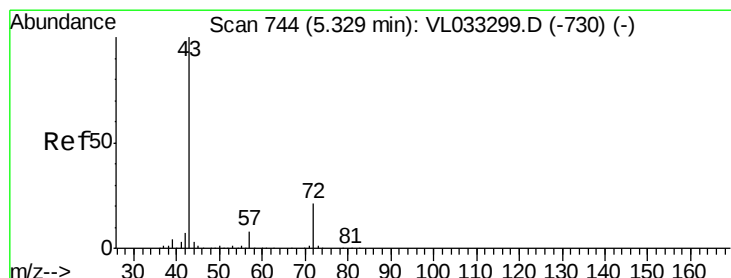
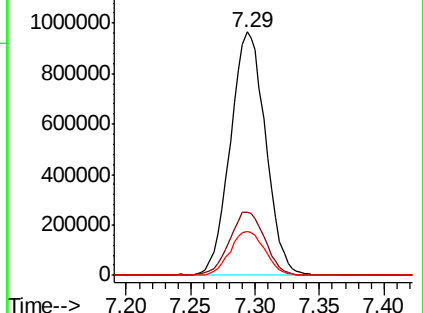
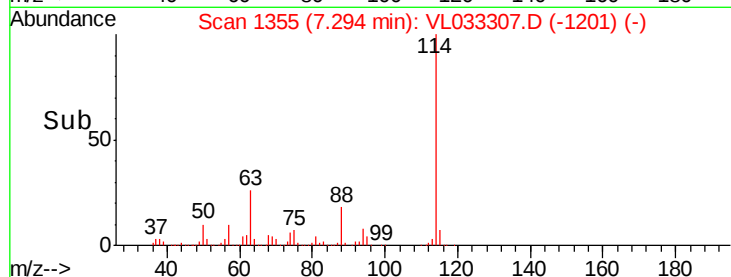
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

Tgt Ion: 114 Resp: 1832069
 Ion Ratio Lower Upper
 114 100
 63 26.5 21.3 31.9
 88 18.0 14.5 21.7

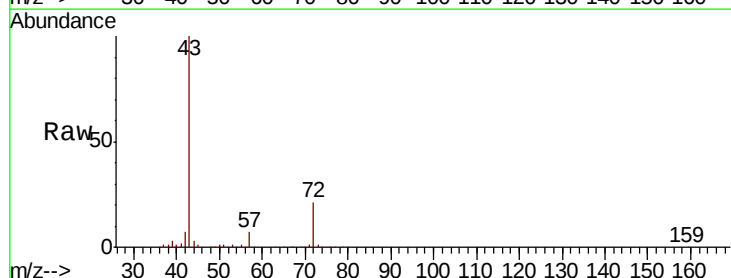


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

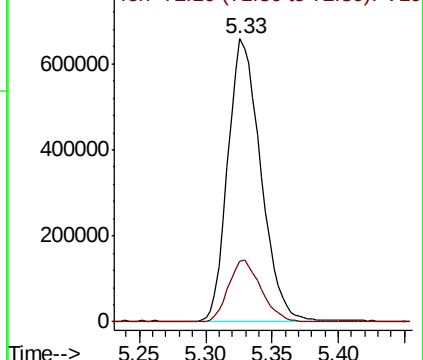
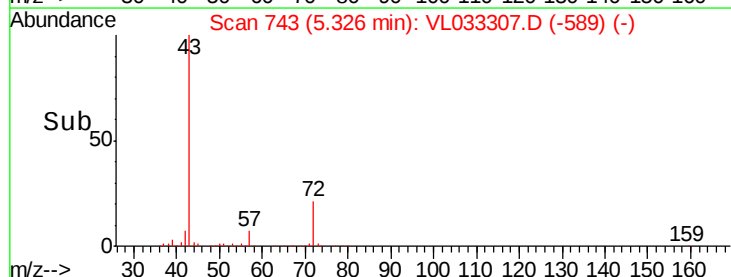


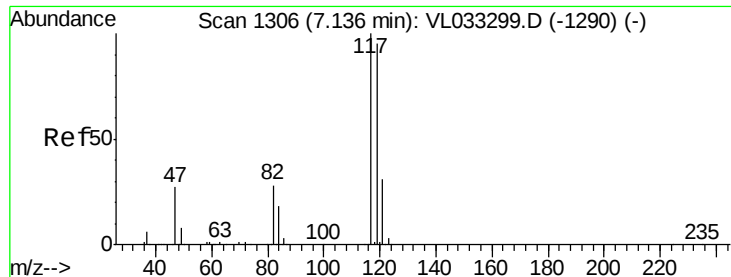
#34
 2-Butanone
 Concen: 8.970 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Tgt Ion: 43 Resp: 1136200
 Ion Ratio Lower Upper
 43 100
 72 21.8 17.2 25.8



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

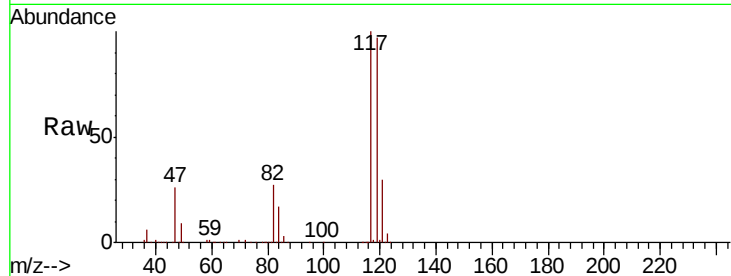




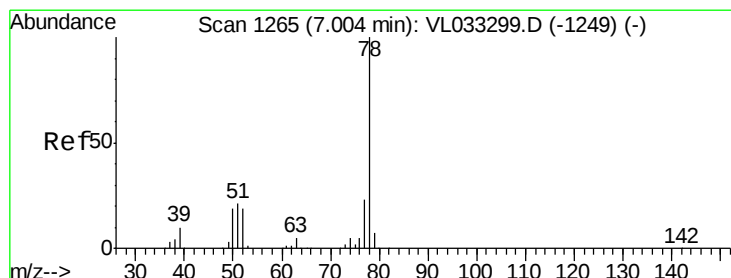
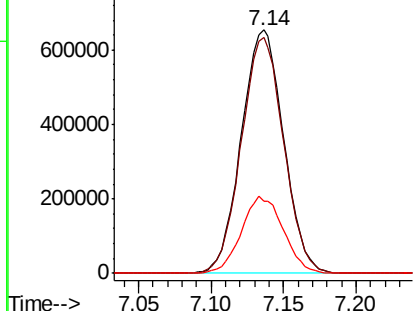
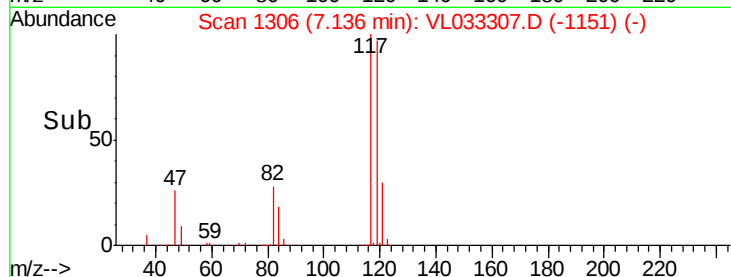
#35
Carbon Tetrachloride
Concen: 9.423 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

Tgt Ion: 117 Resp: 1327141
Ion Ratio Lower Upper
117 100
119 97.0 75.9 113.9
121 29.7 25.2 37.8

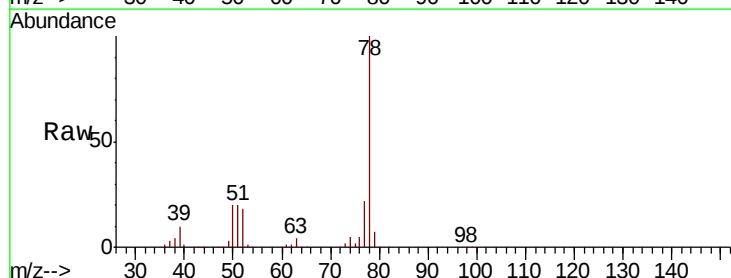


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

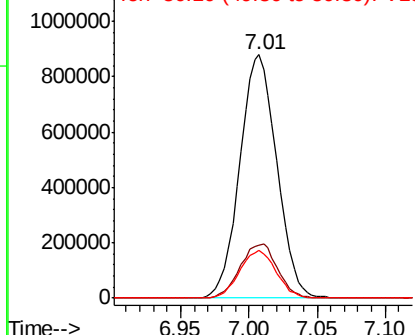
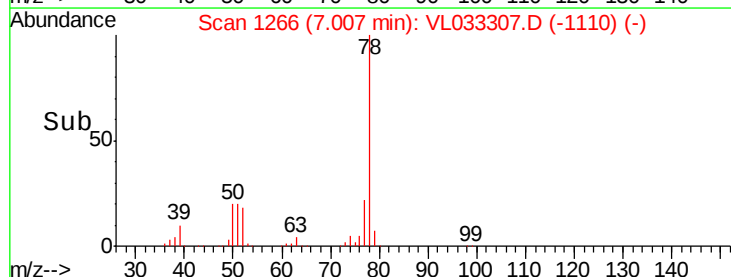


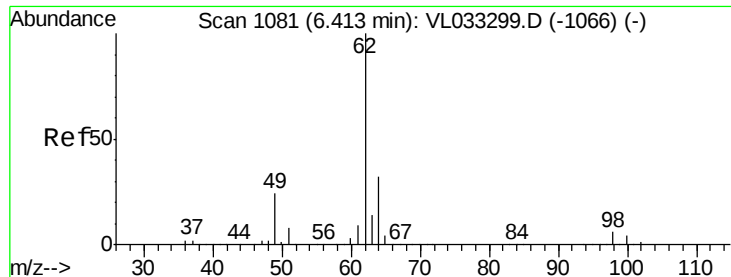
#36
Benzene
Concen: 9.187 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 78 Resp: 1652939
Ion Ratio Lower Upper
78 100
77 21.9 18.6 28.0
50 19.9 15.2 22.8



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

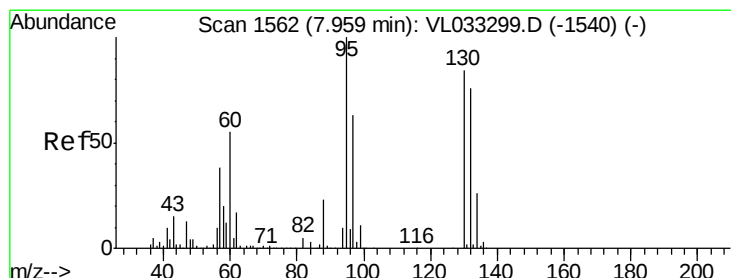
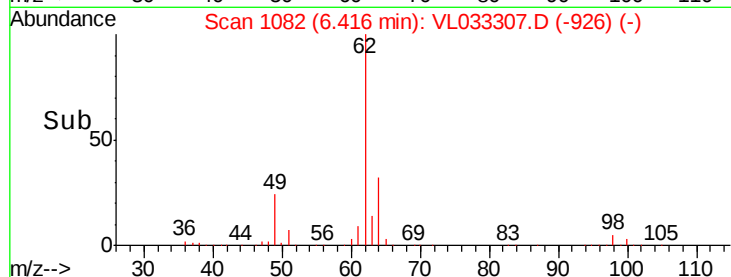
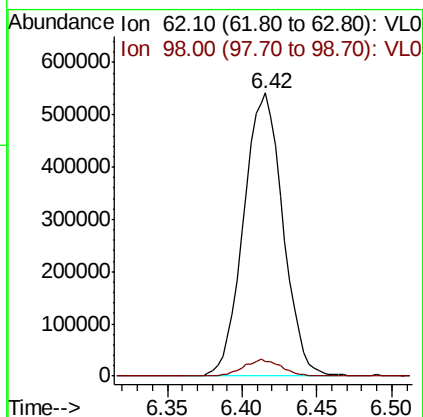
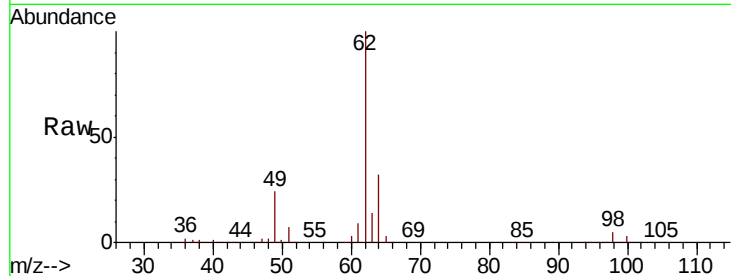




#37
 1,2-Dichloroethane
 Concen: 9.217 ppbv
 RT: 6.42 min Scan# 1082
 Delta R.T. 0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

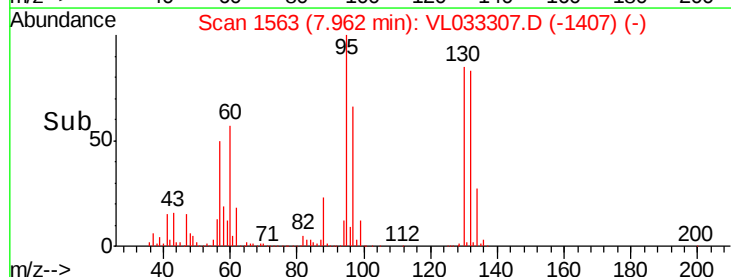
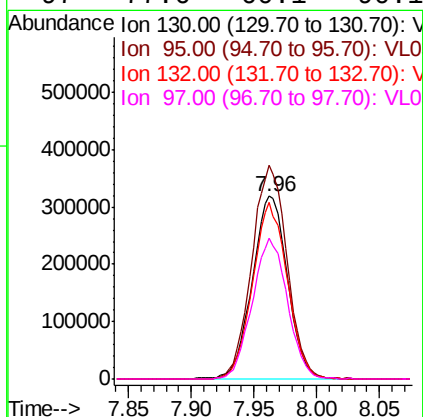
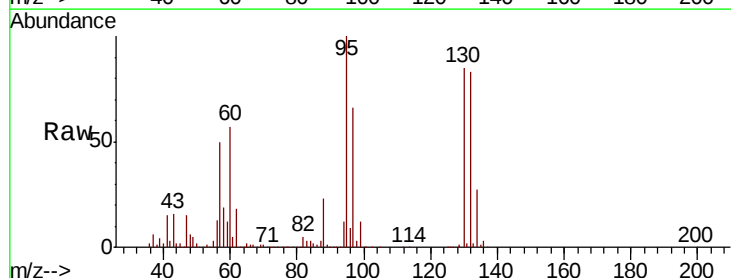
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

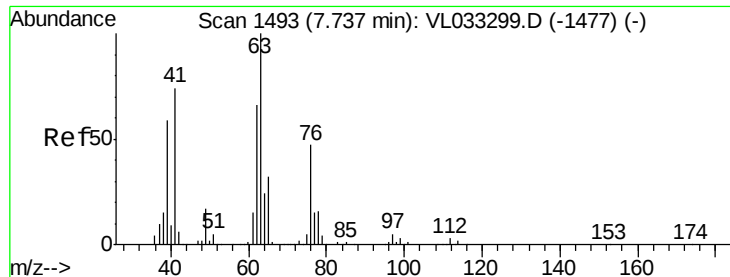
Tgt Ion: 62 Resp: 990722
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.4 6.6



#38
 Trichloroethene
 Concen: 8.684 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Tgt Ion: 130 Resp: 617806
 Ion Ratio Lower Upper
 130 100
 95 117.3 95.2 142.8
 132 97.1 72.5 108.7
 97 77.6 60.1 90.1





#39

1,2-Dichloropropane

Concen: 9.112 ppbv

RT: 7.74 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031319

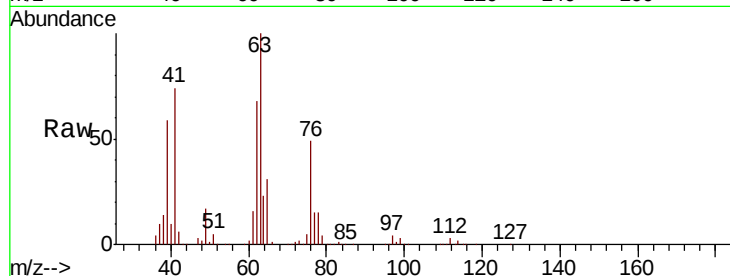
Tgt Ion: 63 Resp: 629589

Ion Ratio Lower Upper

63 100

41 73.5 59.0 88.4

62 68.5 53.0 79.4

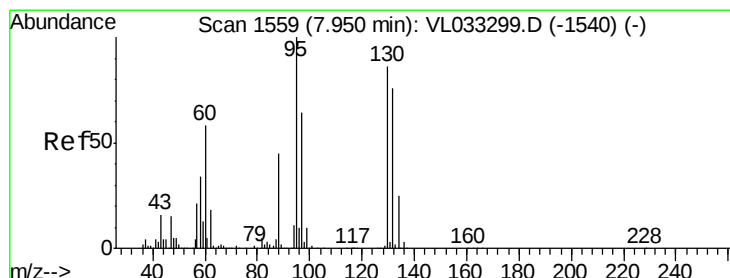
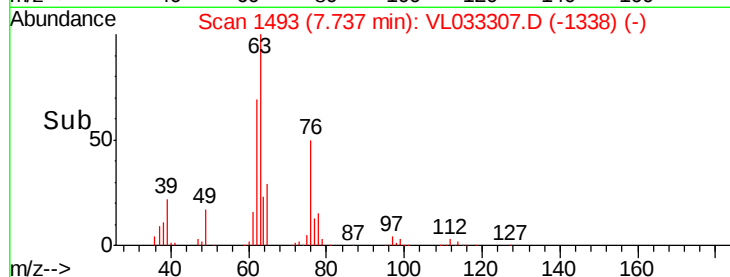
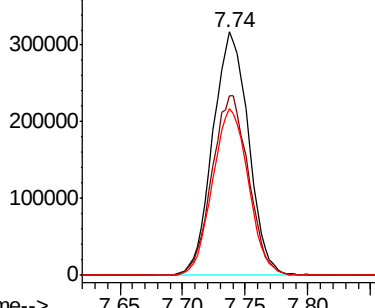


Abundance

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: 9.046 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Tgt Ion: 88 Resp: 225864

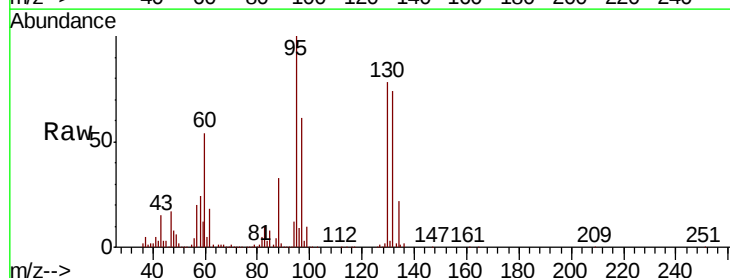
Ion Ratio Lower Upper

88 100

58 131.7 97.7 146.5

43 273.5 199.4 299.2

57 1215.1 875.6 1313.4



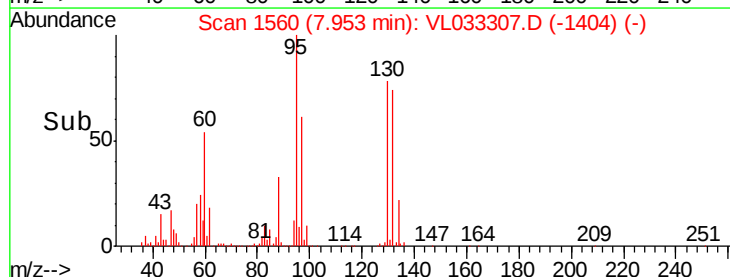
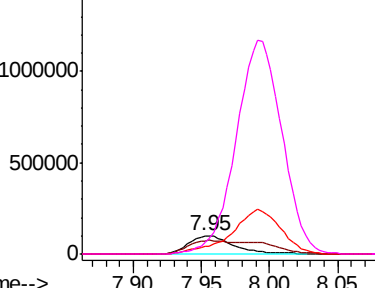
Abundance

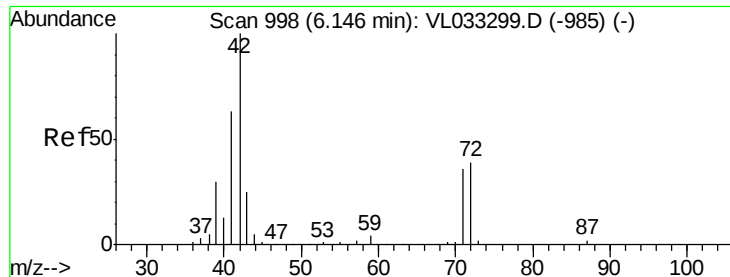
Ion 88.10 (87.80 to 88.80): VL0

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

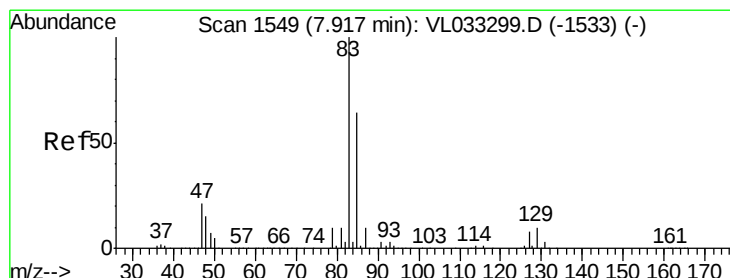
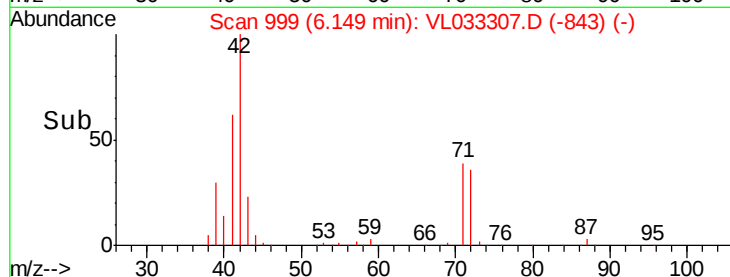
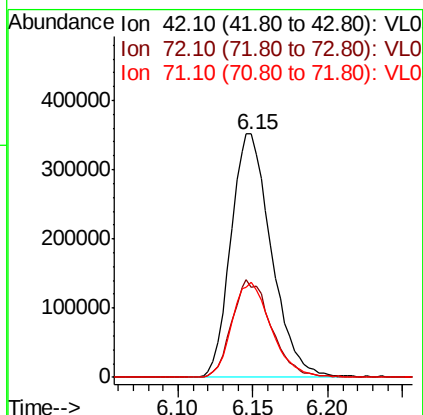
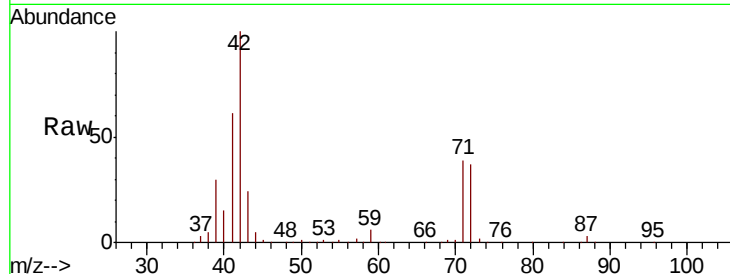




#41
Tetrahydrofuran
Concen: 9.413 ppbv
RT: 6.15 min Scan# 999
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

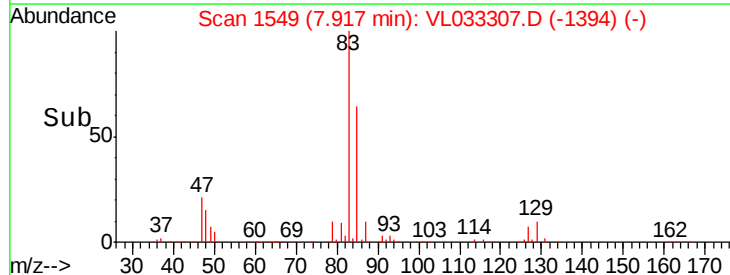
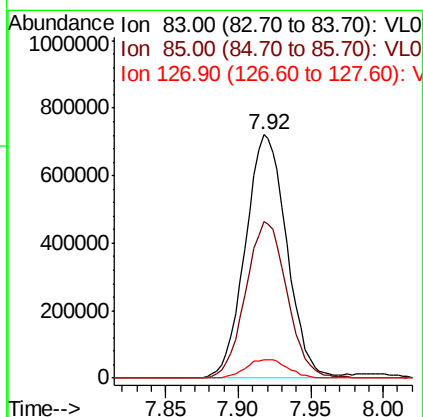
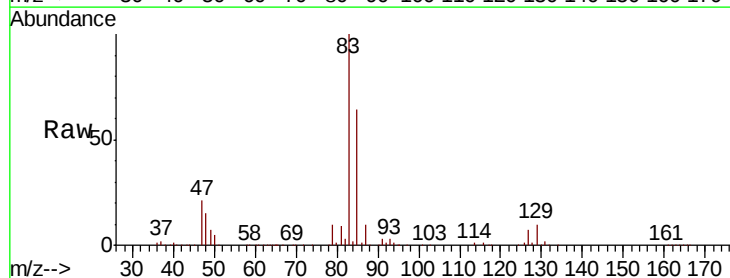
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

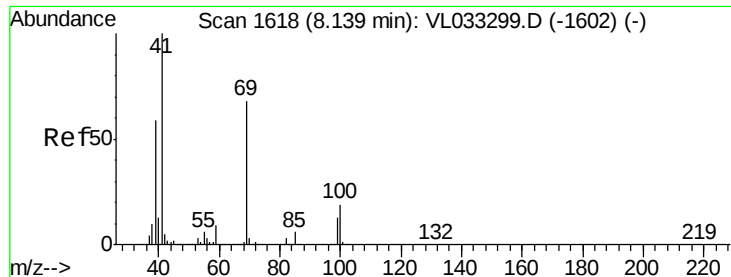
Tgt Ion: 42 Resp: 661478
Ion Ratio Lower Upper
42 100
72 39.1 30.8 46.2
71 38.1 30.0 45.0



#42
Bromodichloromethane
Concen: 9.489 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 83 Resp: 1429676
Ion Ratio Lower Upper
83 100
85 64.2 51.0 76.4
127 7.4 6.6 10.0

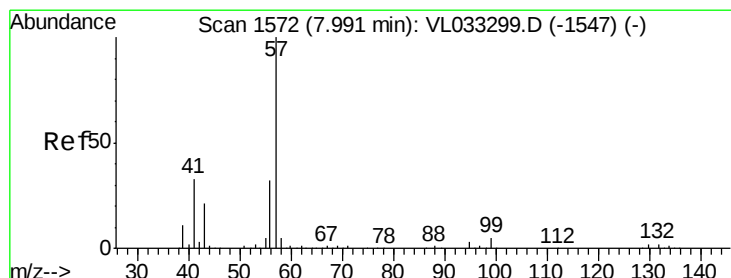
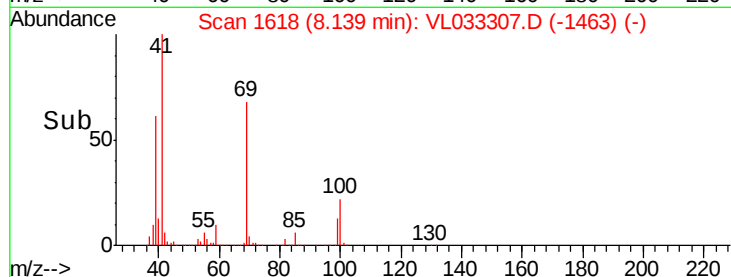
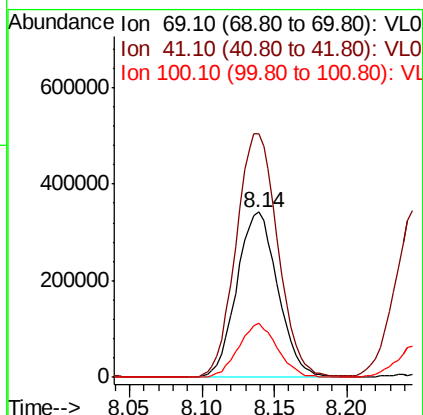
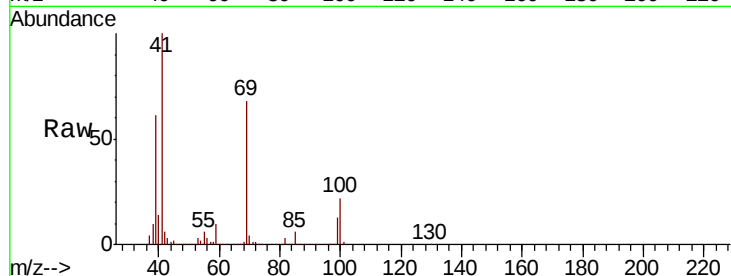




#43
Methyl Methacrylate
Concen: 9.365 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

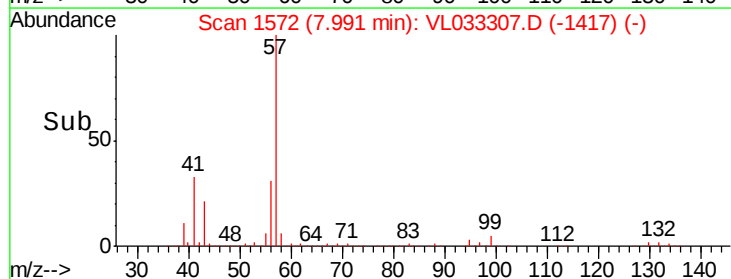
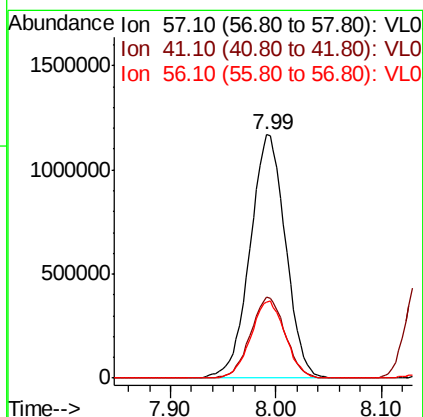
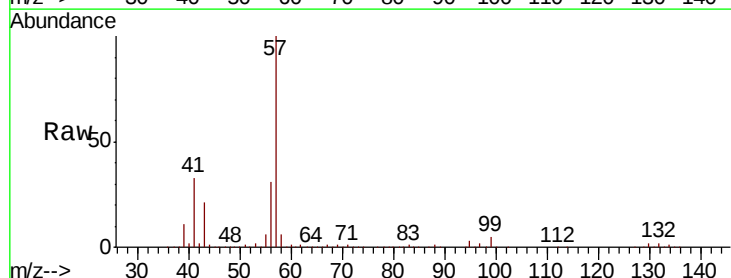
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

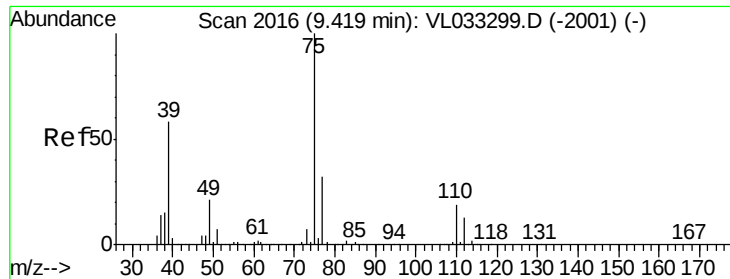
Tgt Ion: 69 Resp: 670857
Ion Ratio Lower Upper
69 100
41 150.6 117.0 175.4
100 31.1 24.3 36.5



#44
2,2,4-Trimethylpentane
Concen: 8.911 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 57 Resp: 2741228
Ion Ratio Lower Upper
57 100
41 32.4 25.9 38.9
56 30.9 24.6 36.8





#45

t-1,3-Dichloropropene

Concen: 10.685 ppbv

RT: 9.42 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

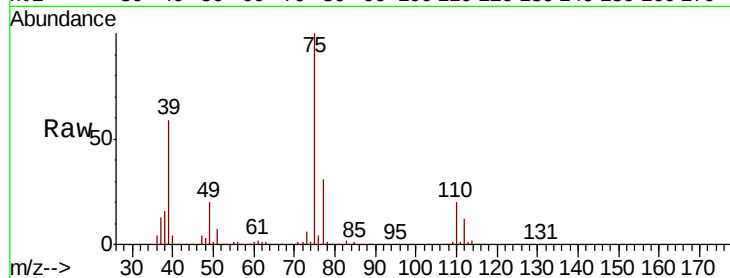
ICVVL031319

Tgt Ion: 75 Resp: 897647

Ion Ratio Lower Upper

75 100

77 31.2 25.3 37.9



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.42

500000

400000

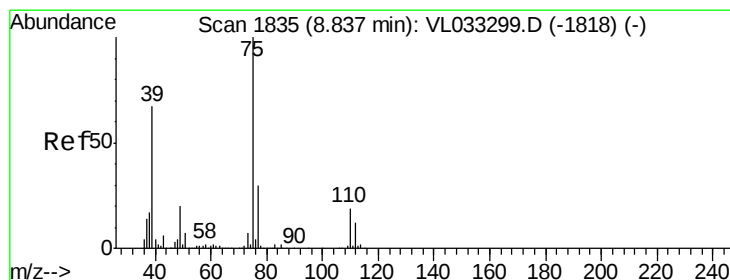
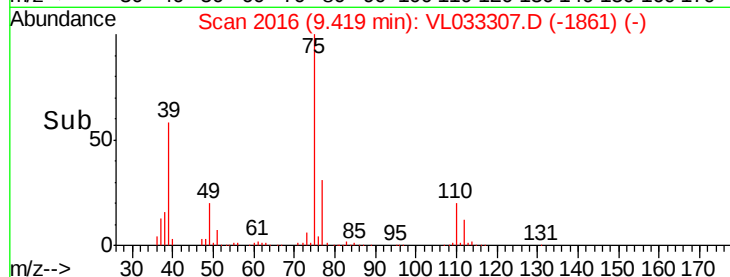
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.178 ppbv

RT: 8.84 min Scan# 1836

Delta R.T. 0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

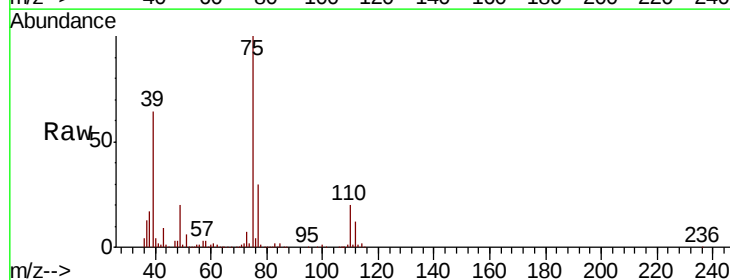
Tgt Ion: 75 Resp: 1030177

Ion Ratio Lower Upper

75 100

39 63.5 53.4 80.2

77 30.1 23.7 35.5



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

8.84

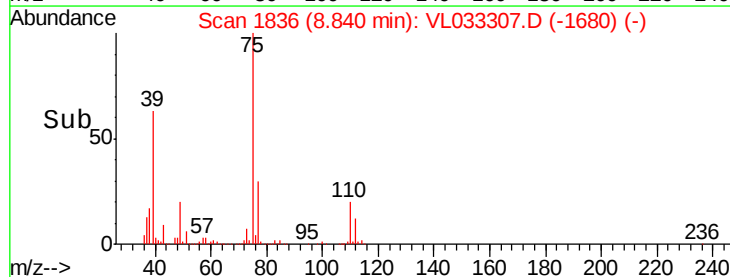
600000

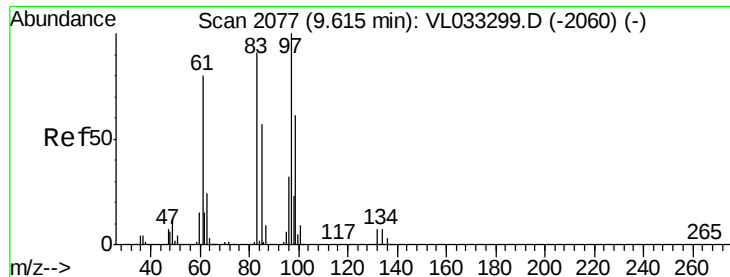
400000

200000

0

Time-->

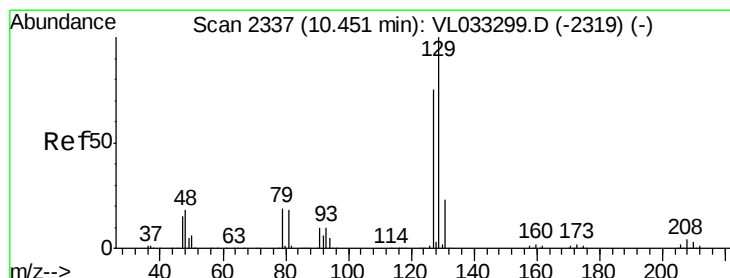
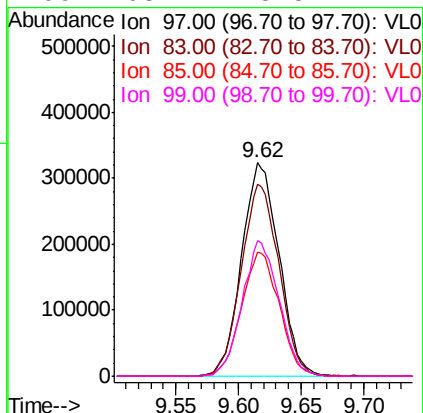
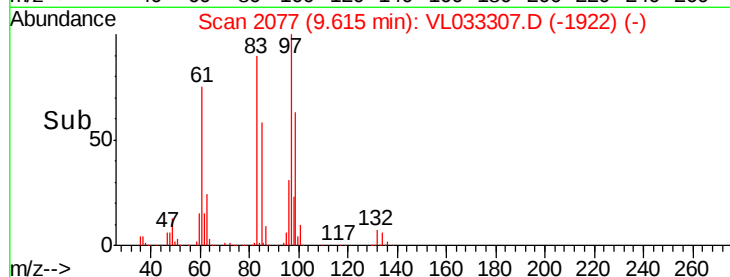
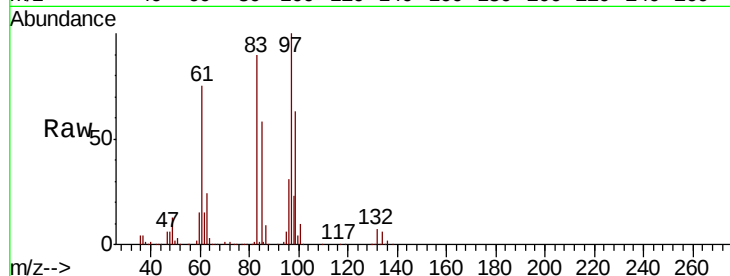




#47
 1,1,2-Trichloroethane
 Concen: 9.101 ppbv
 RT: 9.62 min Scan# 2077
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

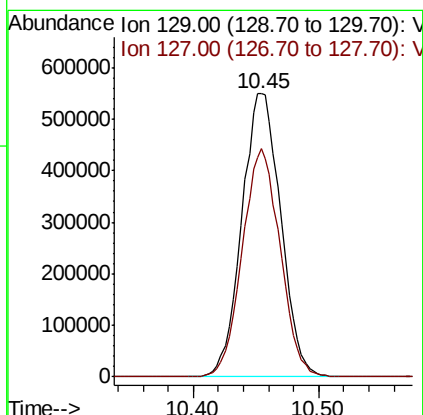
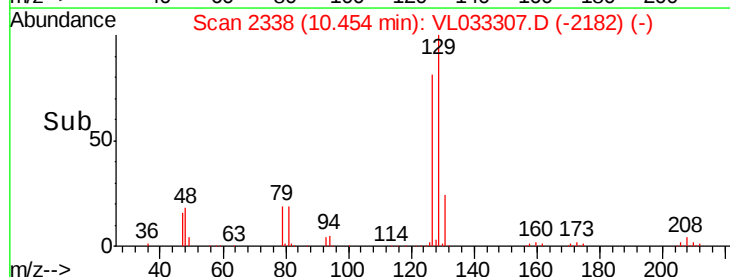
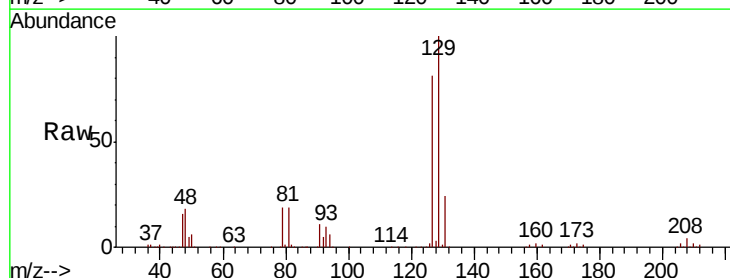
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

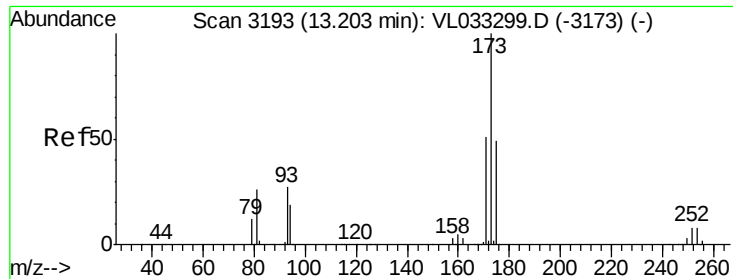
Tgt Ion: 97 Resp: 673099
 Ion Ratio Lower Upper
 97 100
 83 90.0 72.7 109.1
 85 58.0 45.6 68.4
 99 63.4 48.5 72.7



#48
 Dibromochloromethane
 Concen: 9.756 ppbv
 RT: 10.45 min Scan# 2338
 Delta R.T. 0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Tgt Ion: 129 Resp: 1187031
 Ion Ratio Lower Upper
 129 100
 127 78.4 39.0 117.0





#49

Bromoform

Concen: 11.260 ppbv

RT: 13.20 min Scan# 3193

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031319

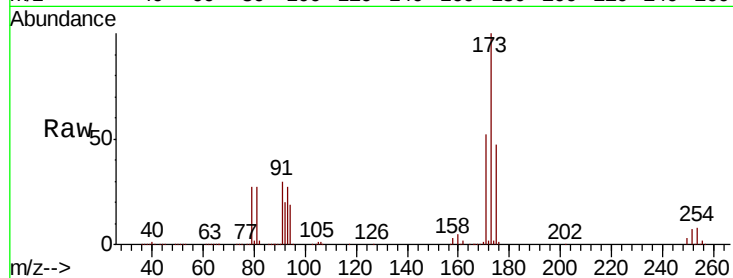
Tgt Ion:173 Resp: 1186939

Ion Ratio Lower Upper

173 100

175 48.3 38.6 58.0

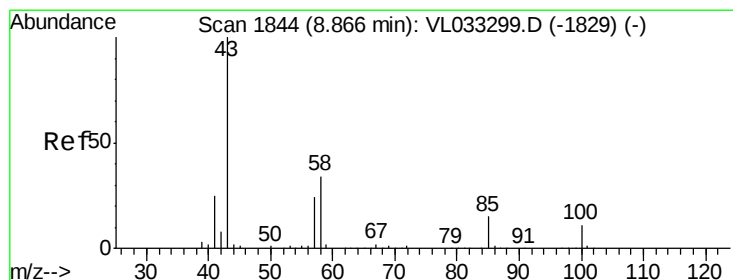
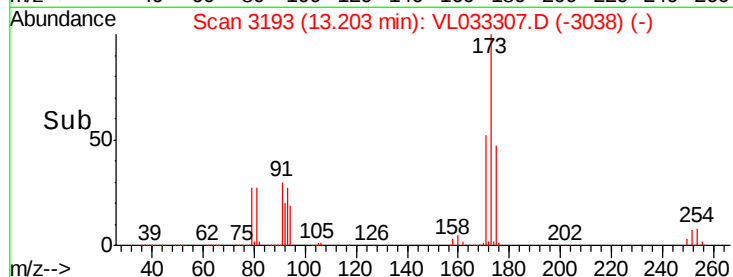
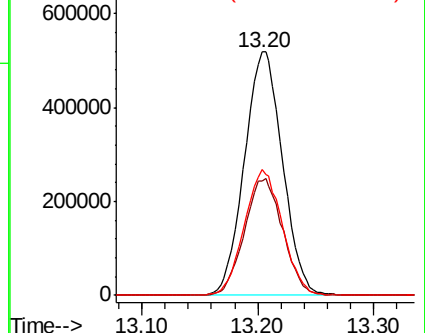
171 51.4 42.0 63.0



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: 9.223 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VL033307.D

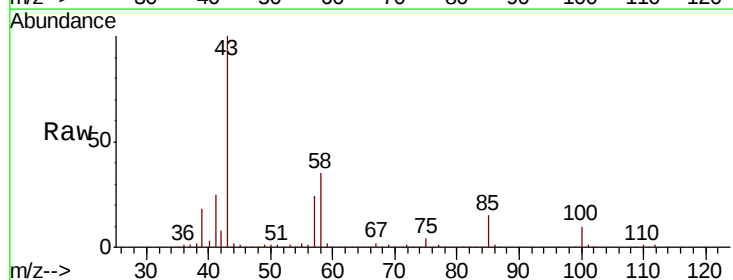
Acq: 14 Mar 2019 2:34

Tgt Ion: 43 Resp: 1692719

Ion Ratio Lower Upper

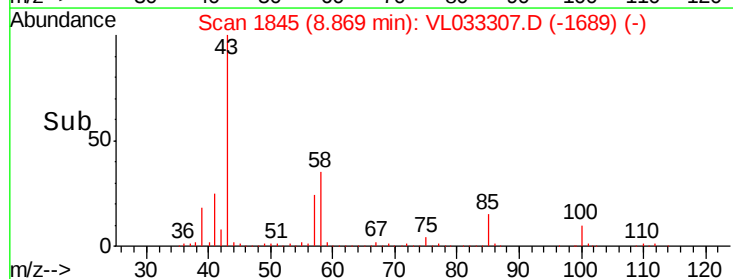
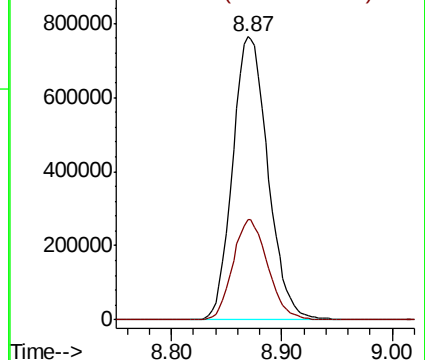
43 100

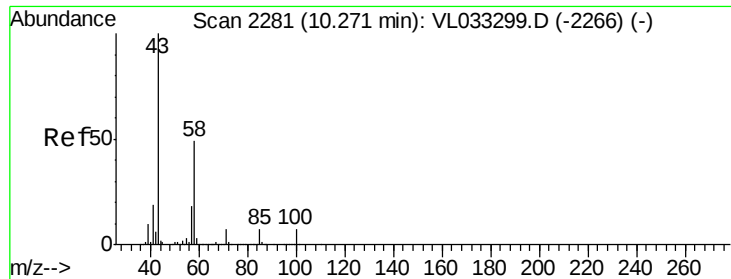
58 35.2 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

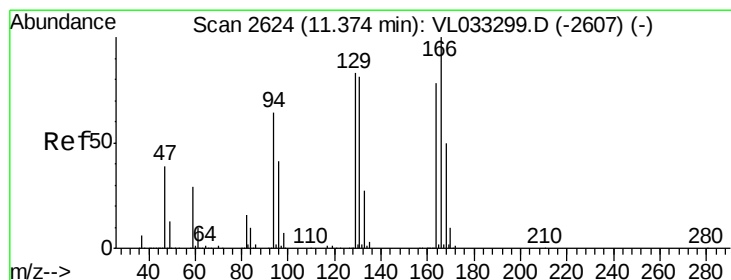
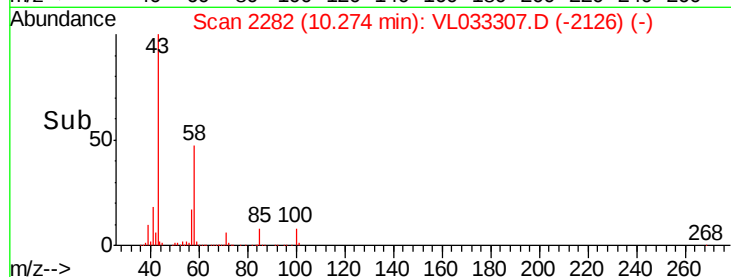
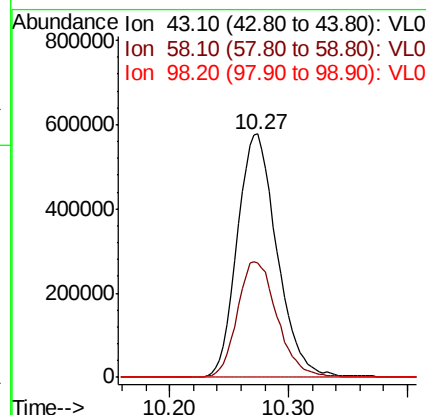
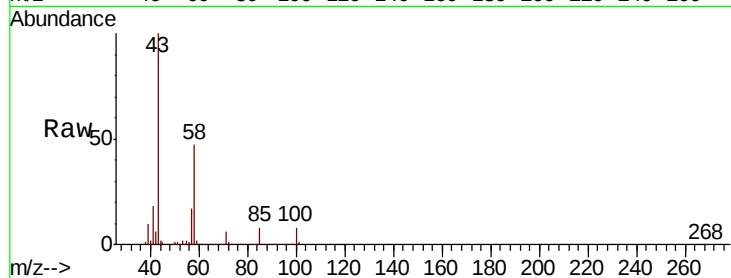




#51
2-Hexanone
Concen: 9.528 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

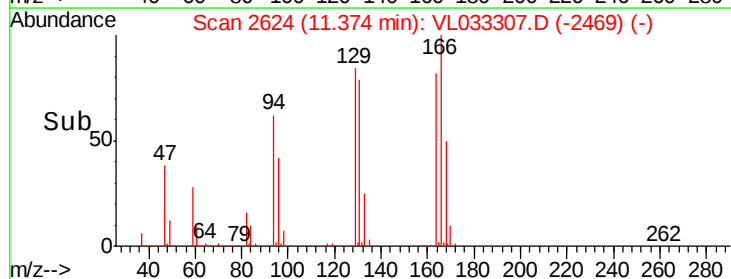
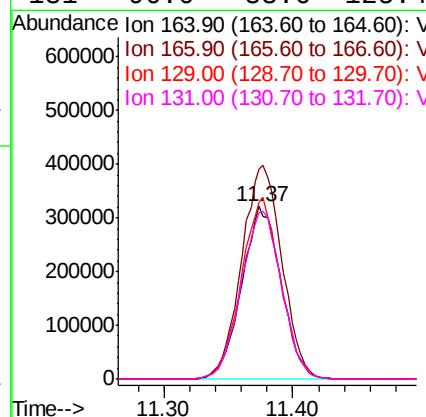
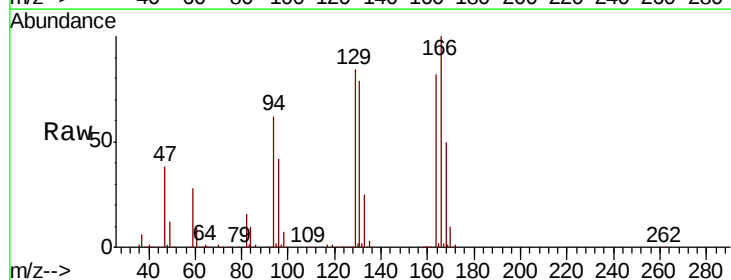
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

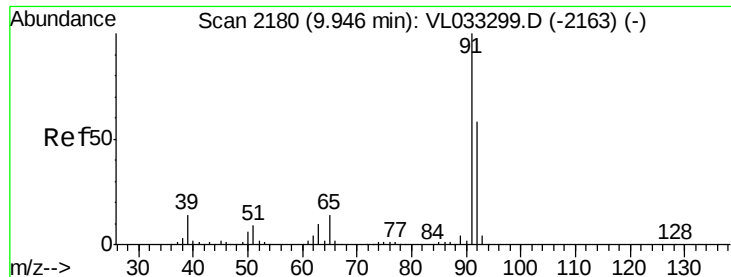
Tgt Ion: 43 Resp: 1335079
Ion Ratio Lower Upper
43 100
58 47.9 38.4 57.6
98 0.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.217 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 164 Resp: 681238
Ion Ratio Lower Upper
164 100
166 121.8 103.2 154.8
129 102.3 85.8 128.8
131 96.0 83.6 125.4





#53

Toluene

Concen: 9.444 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

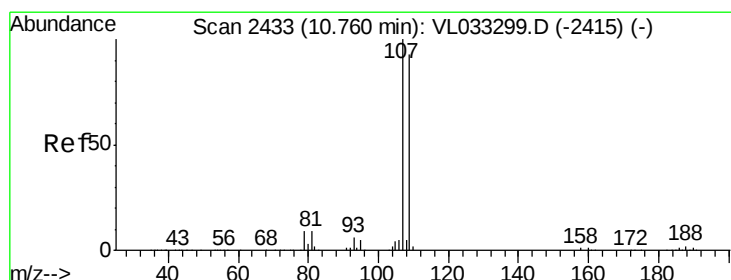
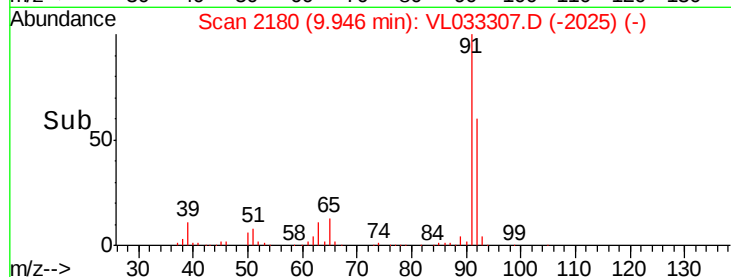
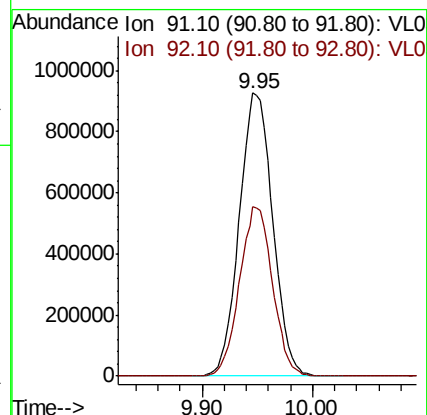
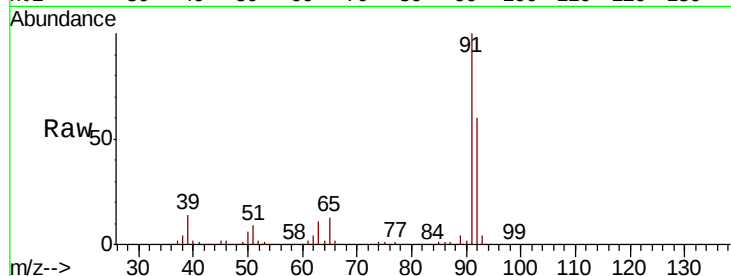
ICVVL031319

Tgt Ion: 91 Resp: 1945712

Ion Ratio Lower Upper

91 100

92 59.1 47.4 71.2



#54

1,2-Dibromoethane

Concen: 9.107 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. -0.00 min

Lab File: VL033307.D

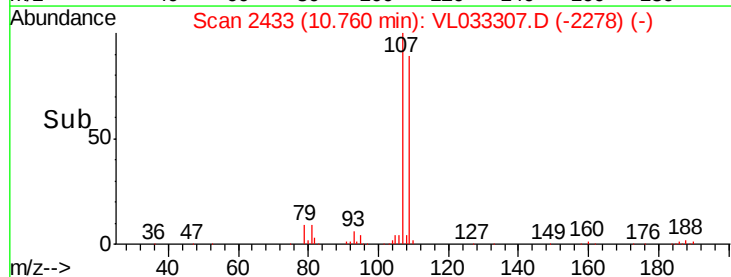
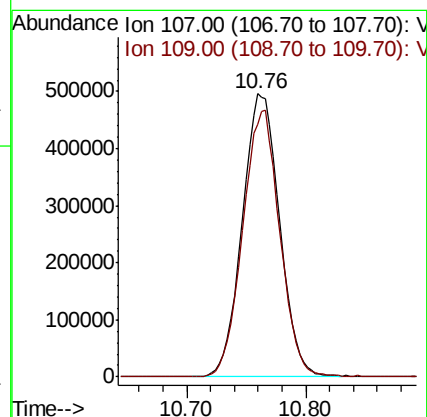
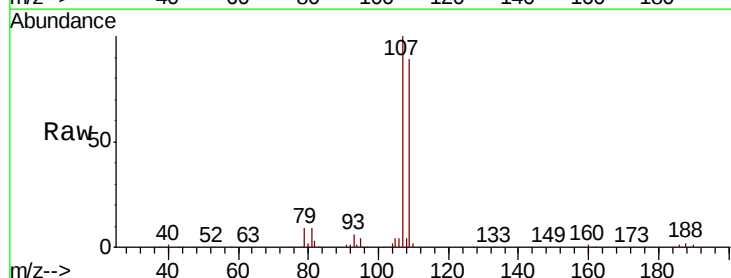
Acq: 14 Mar 2019 2:34

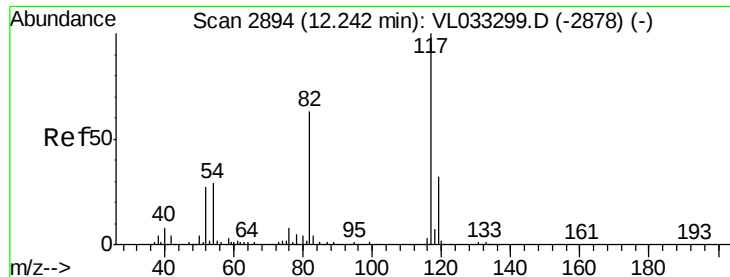
Tgt Ion: 107 Resp: 1075252

Ion Ratio Lower Upper

107 100

109 89.1 74.3 111.5

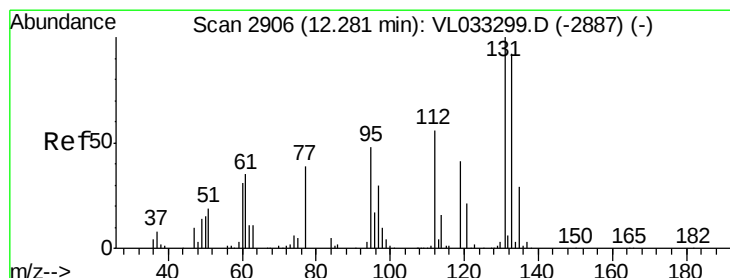
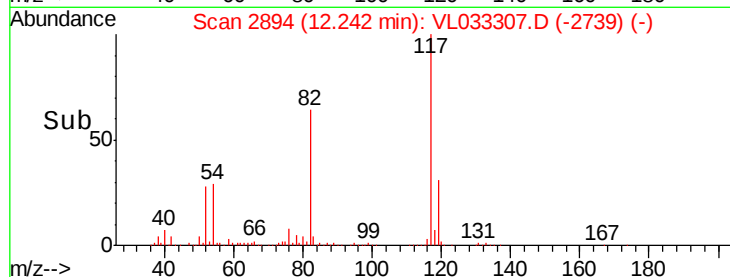
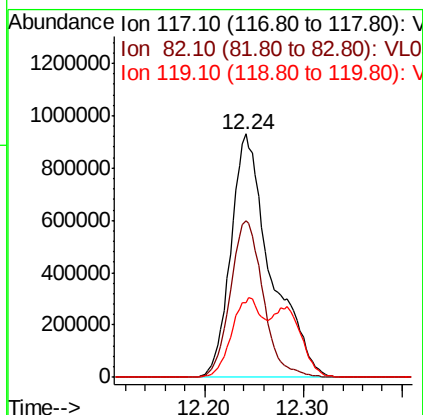
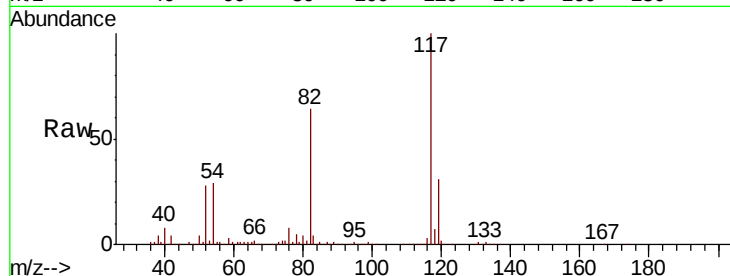




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

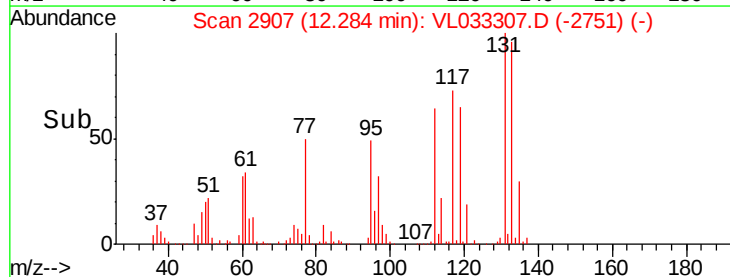
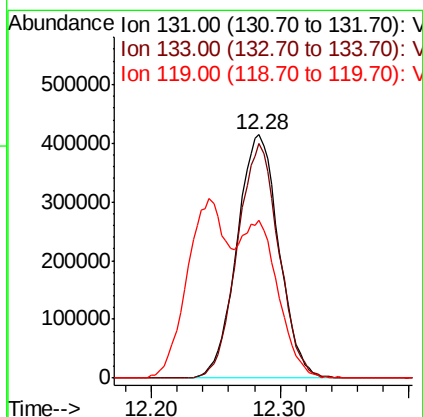
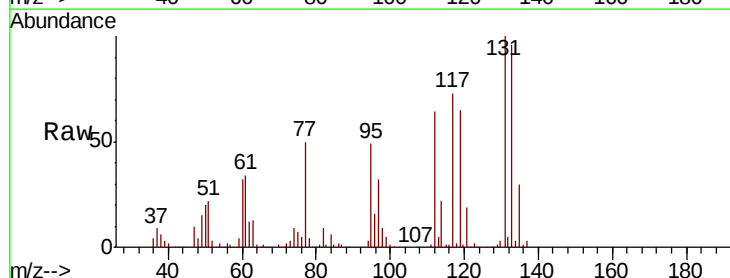
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

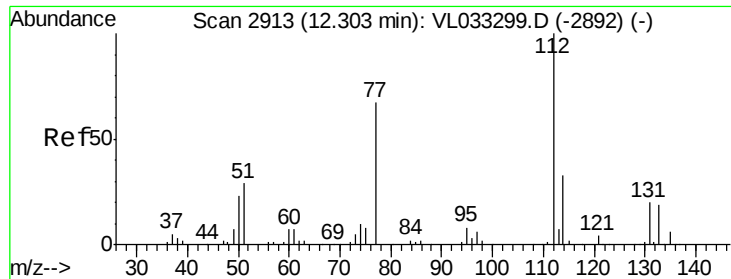
Tgt Ion:117 Resp: 2619331
Ion Ratio Lower Upper
117 100
82 53.3 51.3 76.9
119 27.8 27.0 40.4



#56
1,1,1,2-Tetrachloroethane
Concen: 7.957 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion:131 Resp: 935109
Ion Ratio Lower Upper
131 100
133 95.5 75.3 112.9
119 63.3 45.0 67.4

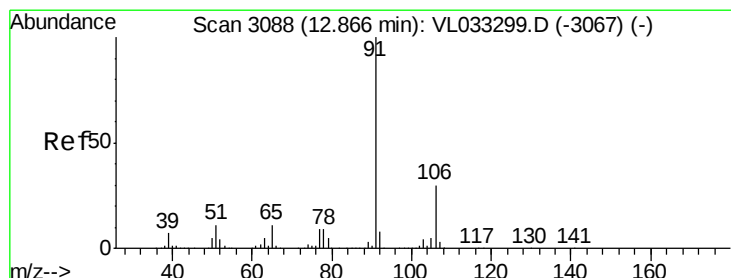
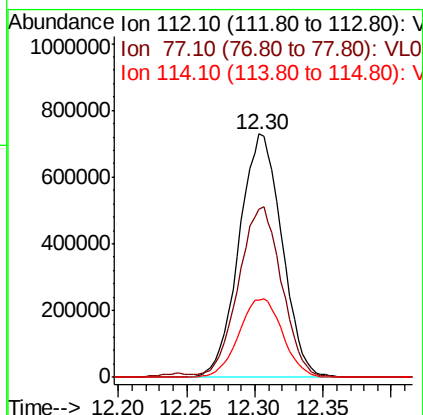
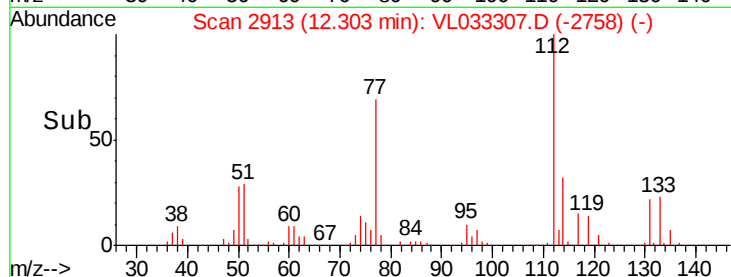
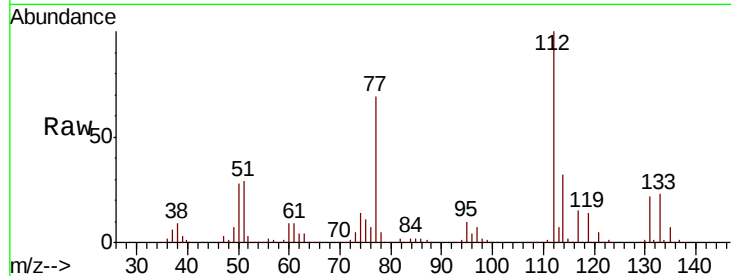




#57
Chlorobenzene
Concen: 7.520 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

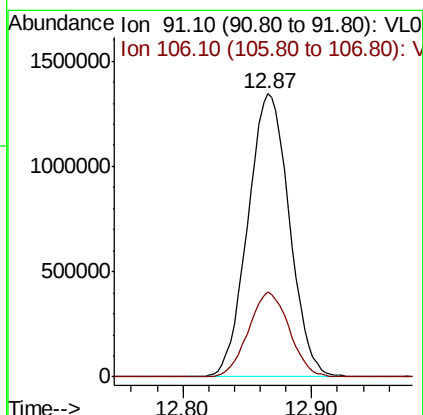
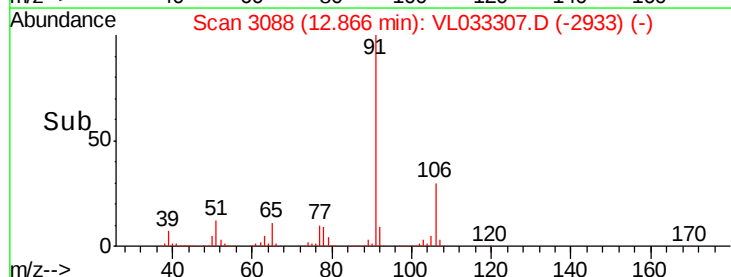
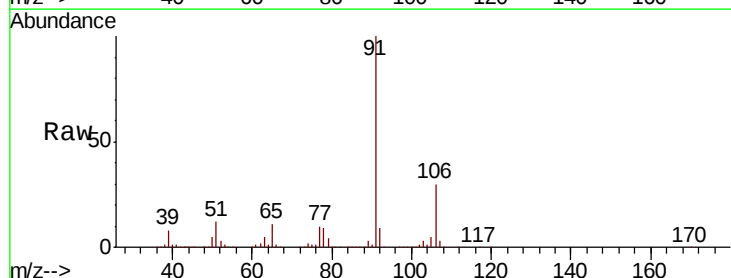
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

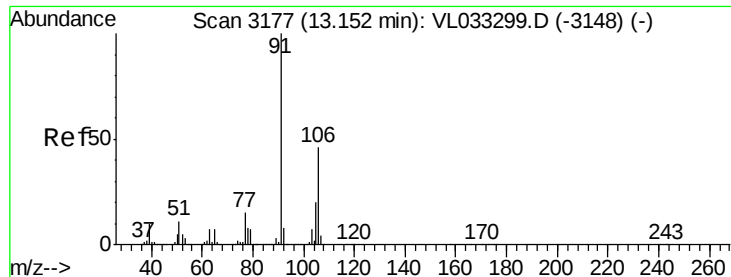
Tgt Ion: 112 Resp: 1590183
Ion Ratio Lower Upper
112 100
77 68.9 54.7 82.1
114 31.7 29.6 36.2



#58
Ethyl Benzene
Concen: 8.002 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 91 Resp: 3008971
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.6

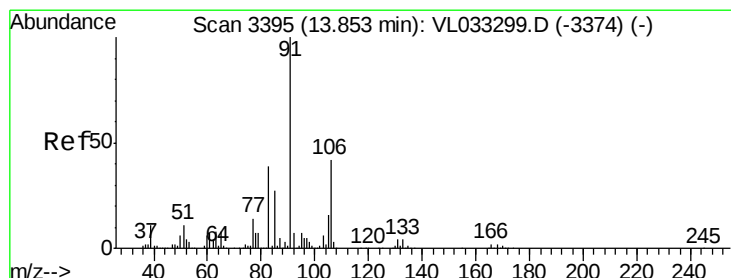
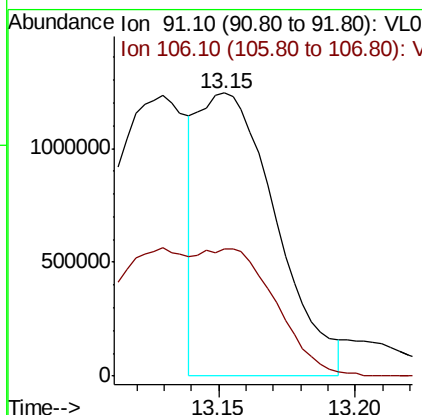
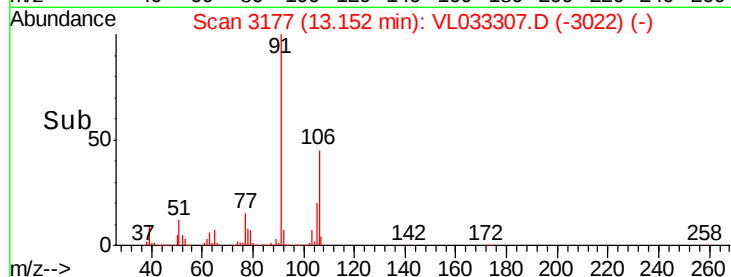
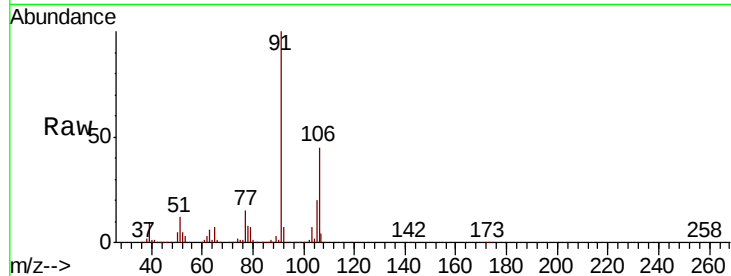




#59
m/p-Xylene
Concen: 7.778 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

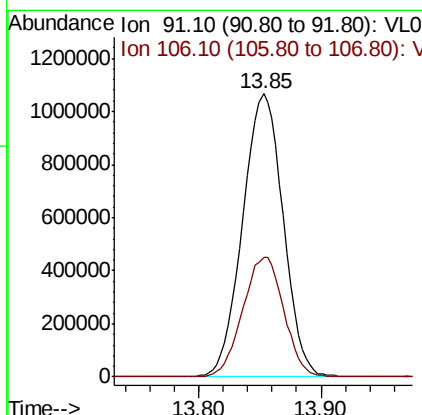
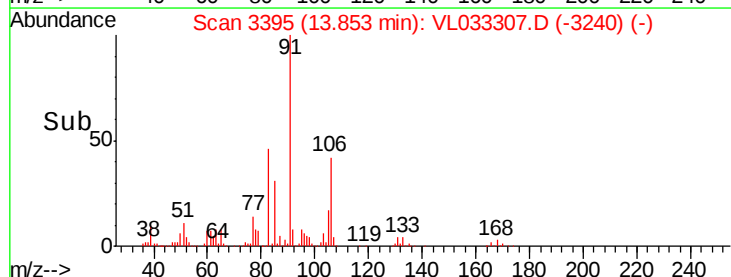
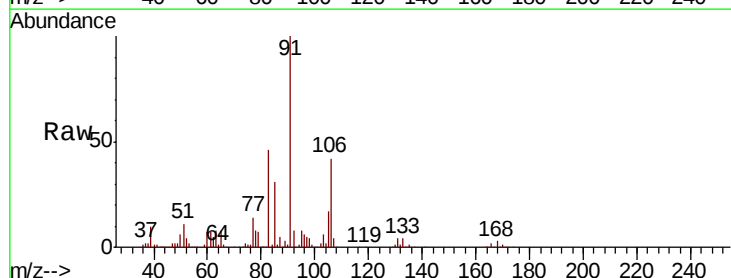
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

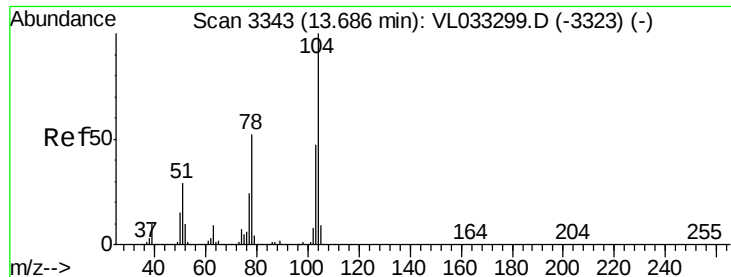
Tgt Ion: 91 Resp: 2459309
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 8.009 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 91 Resp: 2442381
Ion Ratio Lower Upper
91 100
106 43.0 21.4 64.3

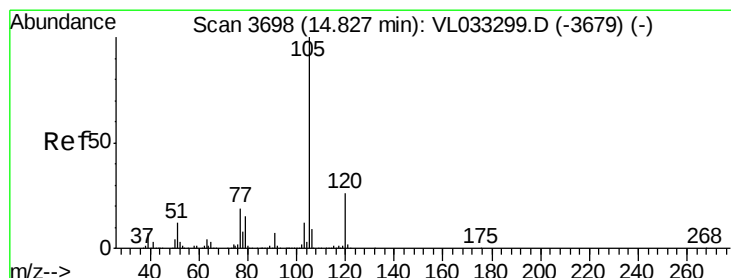
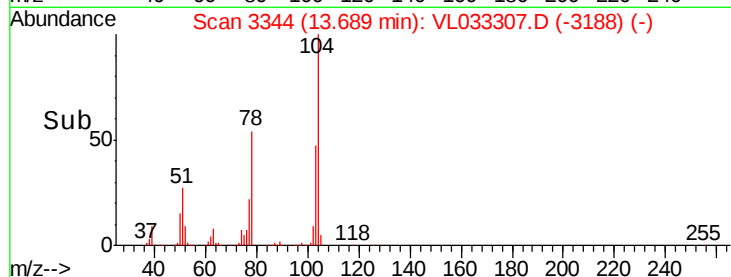
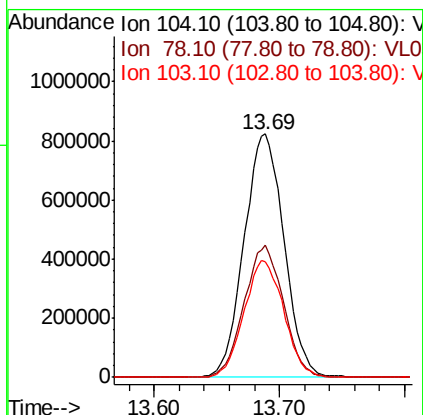
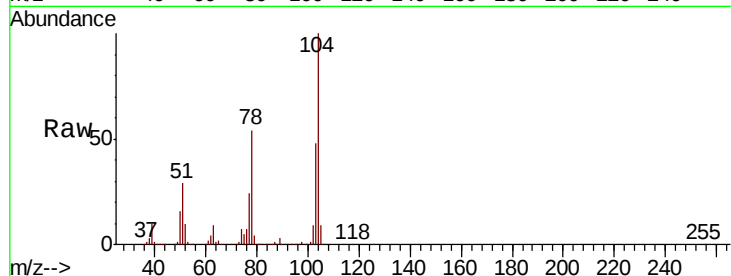




#61
Styrene
Concen: 8.518 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

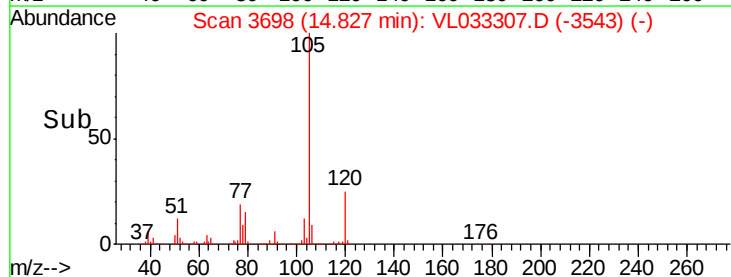
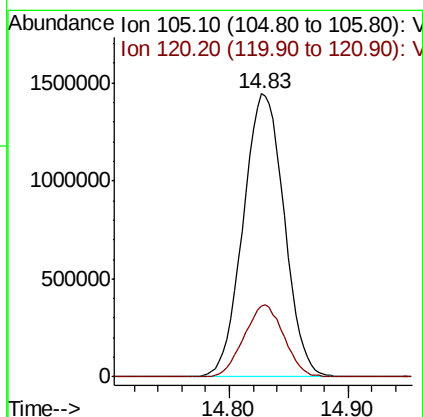
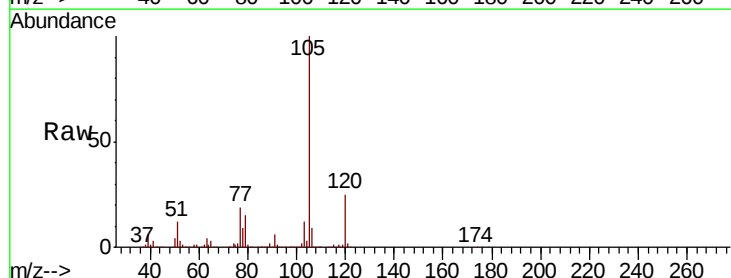
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

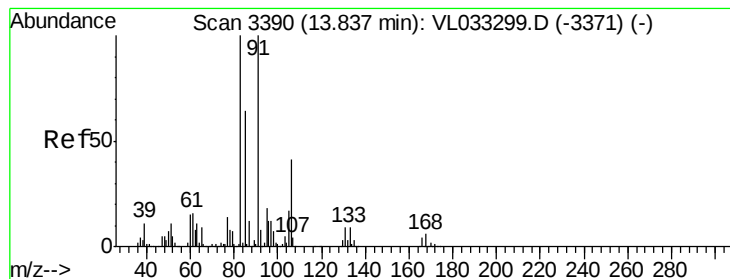
Tgt Ion:104 Resp: 1822938
Ion Ratio Lower Upper
104 100
78 53.5 43.3 64.9
103 47.8 38.2 57.2



#62
Isopropylbenzene
Concen: 8.025 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion:105 Resp: 3442889
Ion Ratio Lower Upper
105 100
120 24.9 19.9 29.9





#63

1,1,2,2-Tetrachloroethane

Concen: 7.559 ppbv

RT: 13.84 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031319

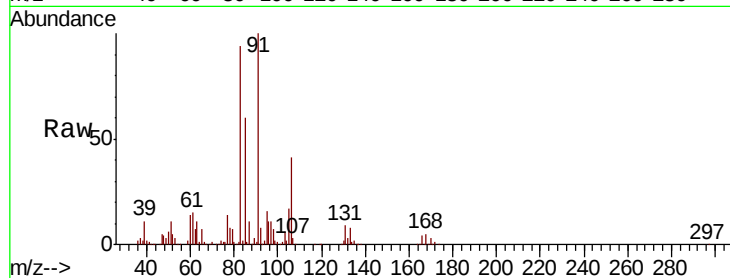
Tgt Ion: 83 Resp: 1661440

Ion Ratio Lower Upper

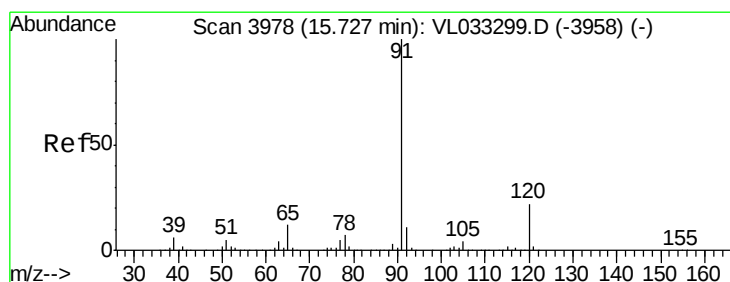
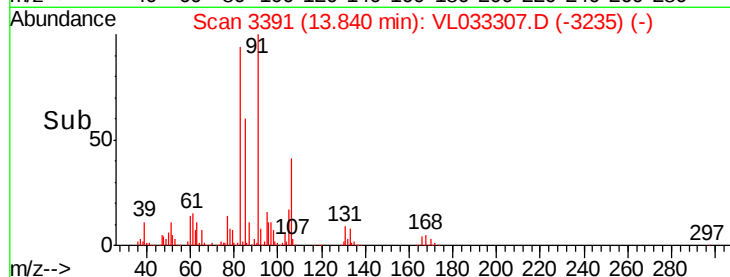
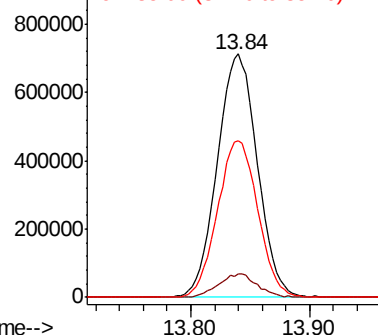
83 100

131 9.4 4.6 13.8

85 65.0 32.5 97.4



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.222 ppbv

RT: 15.73 min Scan# 3978

Delta R.T. -0.00 min

Lab File: VL033307.D

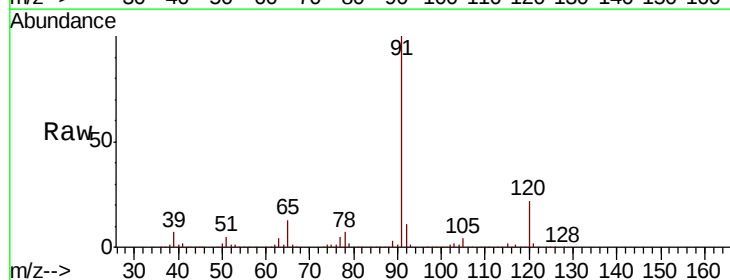
Acq: 14 Mar 2019 2:34

Tgt Ion:120 Resp: 874668

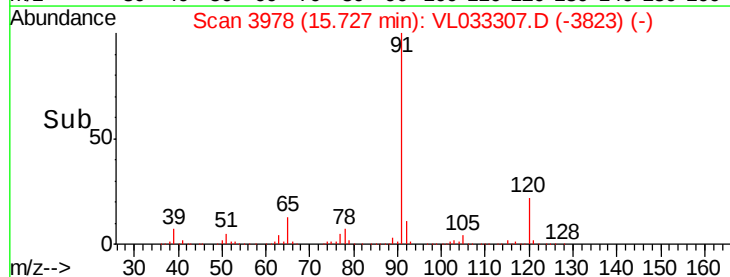
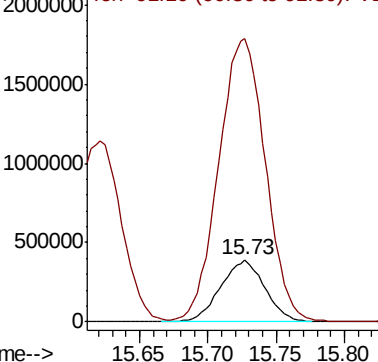
Ion Ratio Lower Upper

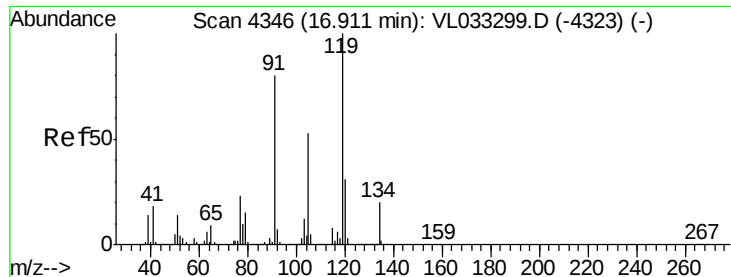
120 100

91 485.1 393.7 590.5



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0

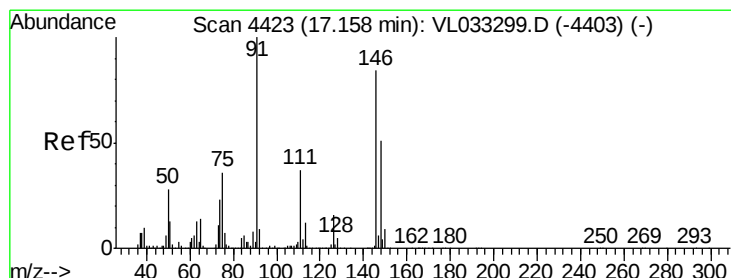
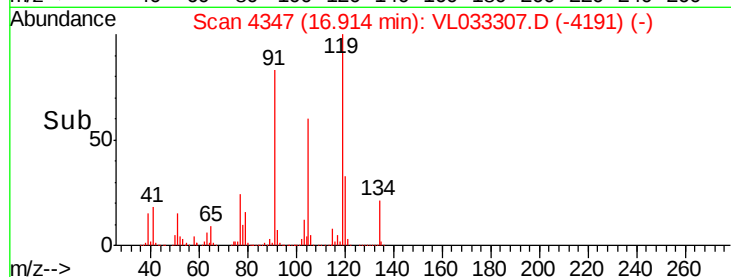
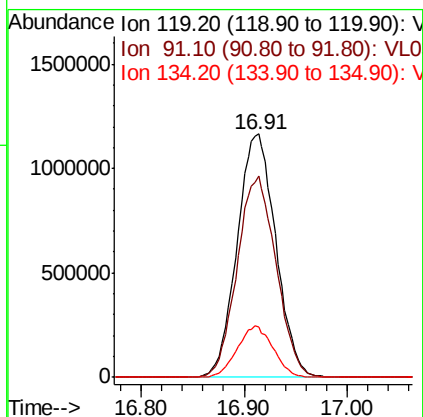
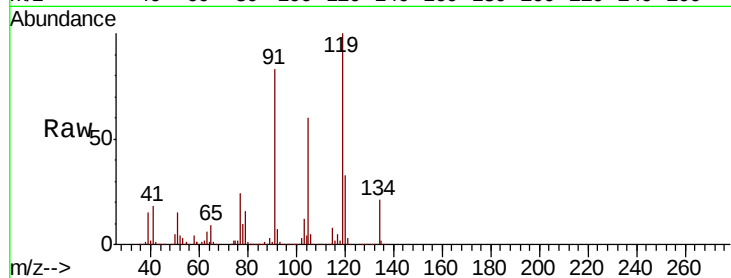




#65
tert-Butylbenzene
Concen: 8.361 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

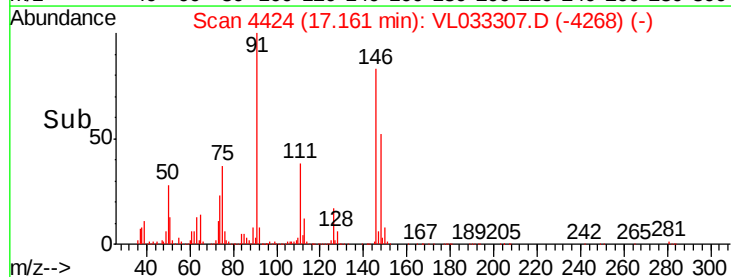
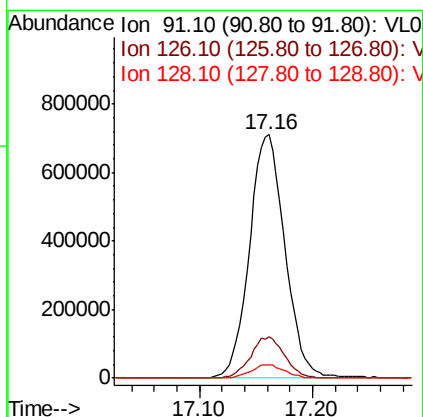
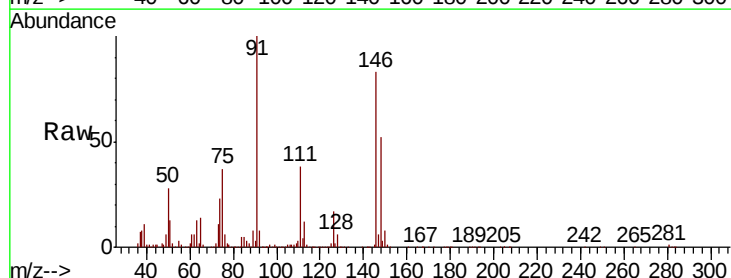
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

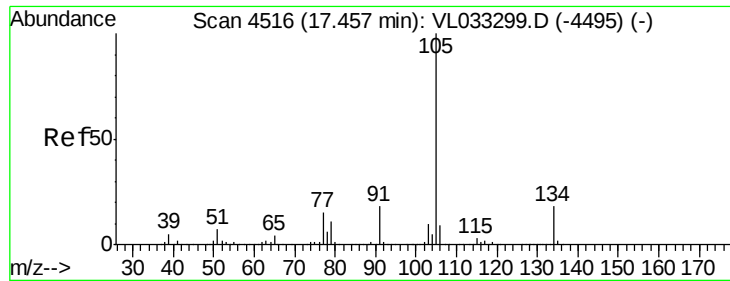
Tgt Ion: 119 Resp: 3031797
Ion Ratio Lower Upper
119 100
91 83.5 66.4 99.6
134 19.7 15.4 23.2



#66
Benzyl Chloride
Concen: 10.702 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 91 Resp: 1544009
Ion Ratio Lower Upper
91 100
126 16.4 12.9 19.3
128 5.3 4.2 6.2

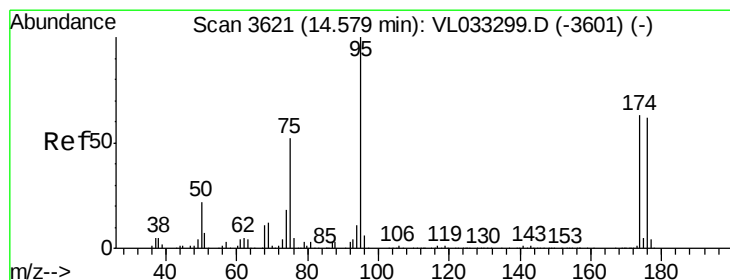
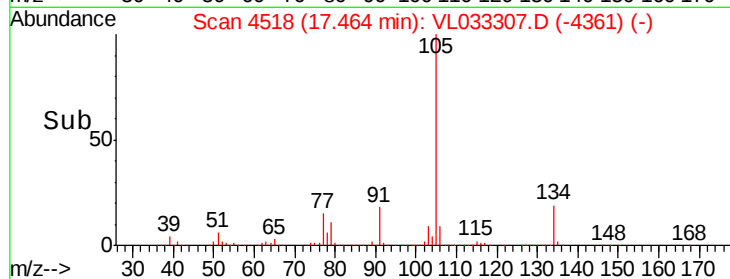
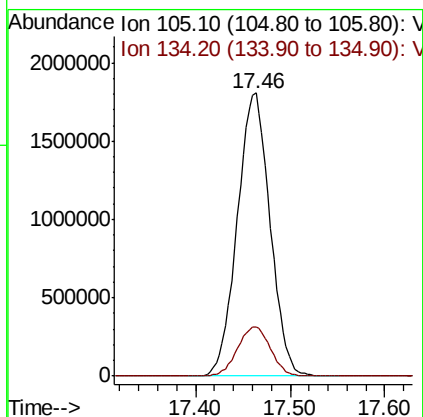
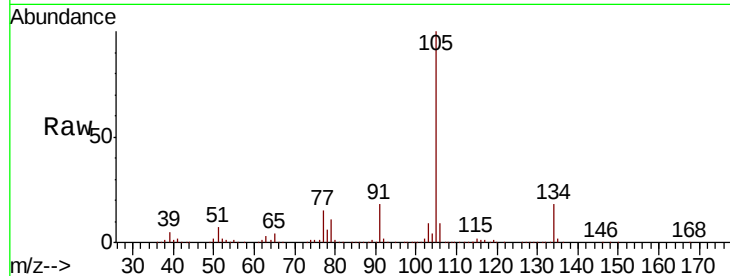




#67
 sec-Butylbenzene
 Concen: 8.319 ppbv
 RT: 17.46 min Scan# 4518
 Delta R.T. 0.01 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

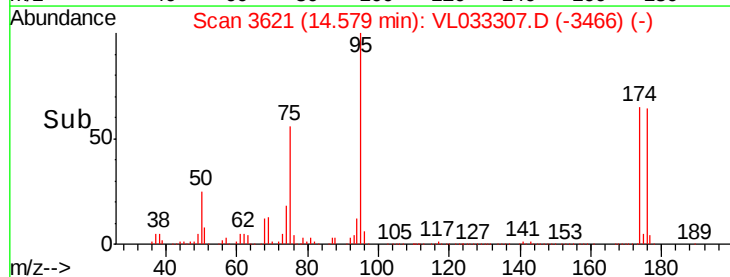
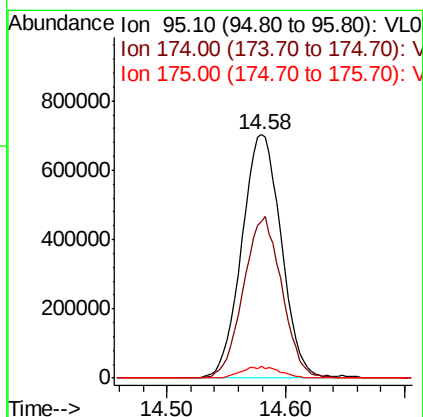
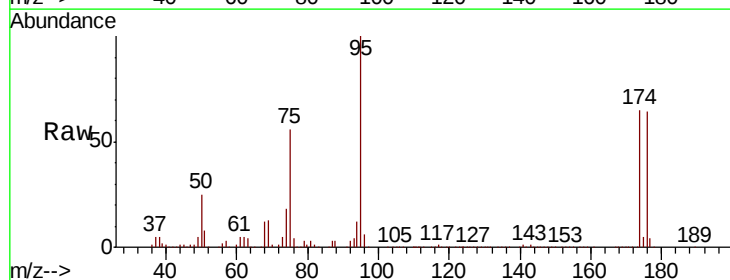
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

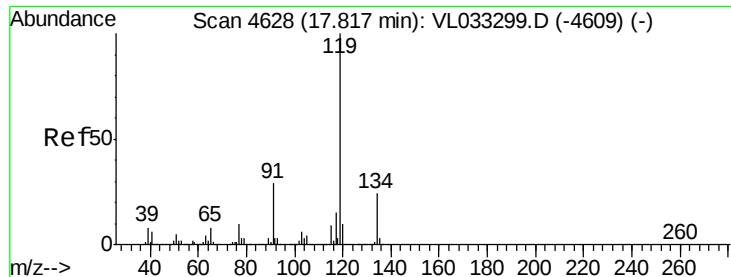
Tgt Ion: 105 Resp: 4337330
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.2 21.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.081 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Tgt Ion: 95 Resp: 1616419
 Ion Ratio Lower Upper
 95 100
 174 64.9 51.9 77.9
 175 4.6 3.9 5.9

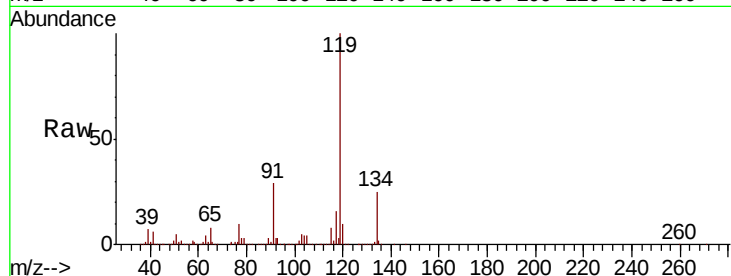




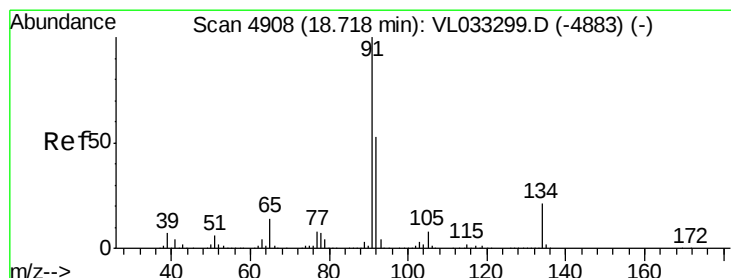
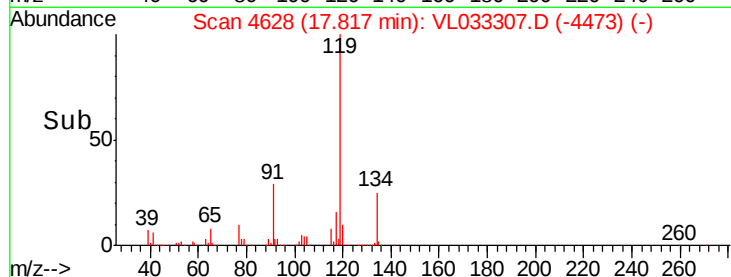
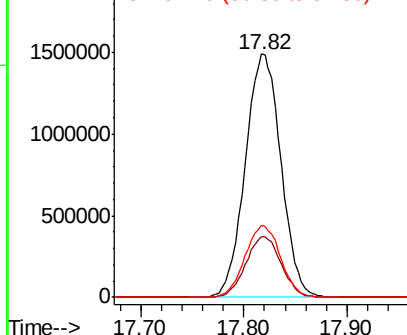
#69
p-Isopropyltoluene
Concen: 8.564 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

Tgt Ion: 119 Resp: 3567404
Ion Ratio Lower Upper
119 100
134 24.8 19.8 29.6
91 29.4 23.8 35.8

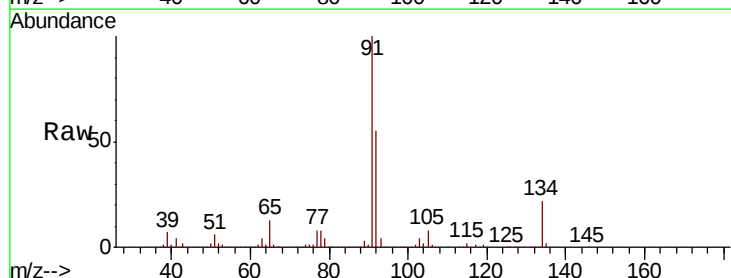


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

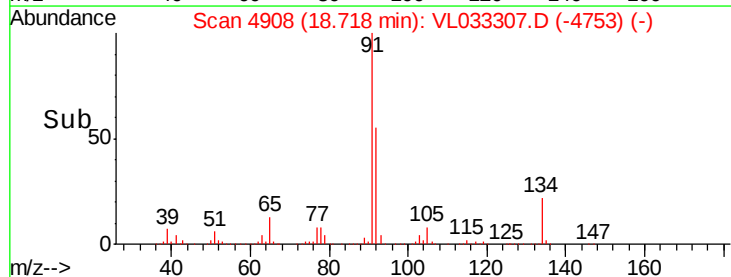
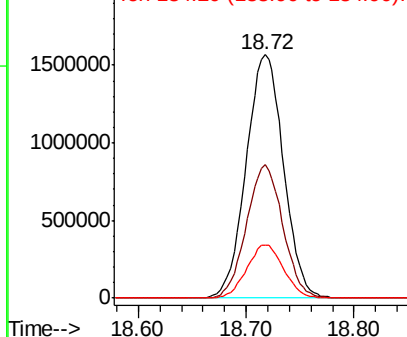


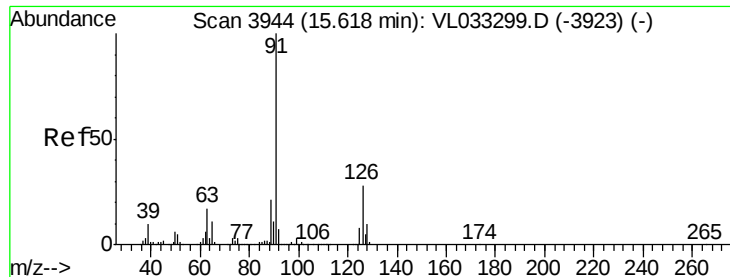
#70
n-Butylbenzene
Concen: 8.628 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 91 Resp: 3757761
Ion Ratio Lower Upper
91 100
92 53.4 42.6 63.8
134 21.7 17.4 26.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V

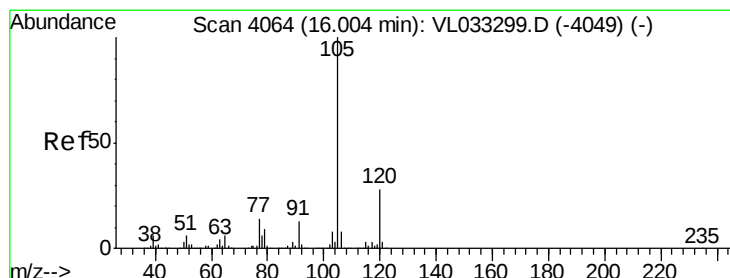
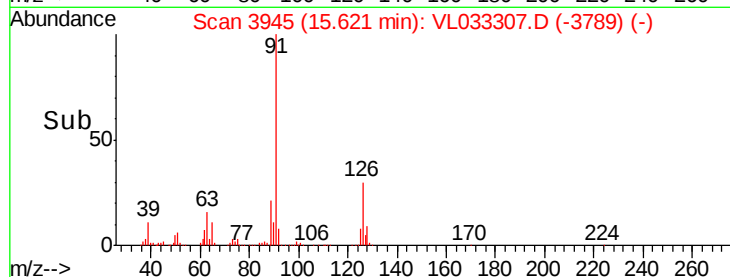
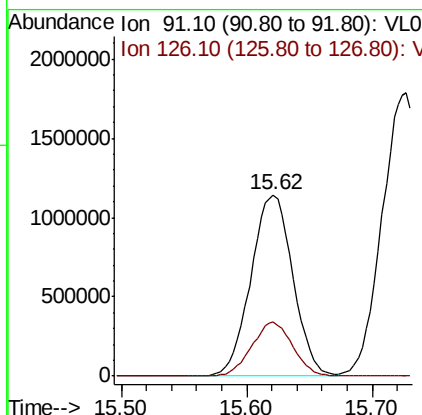
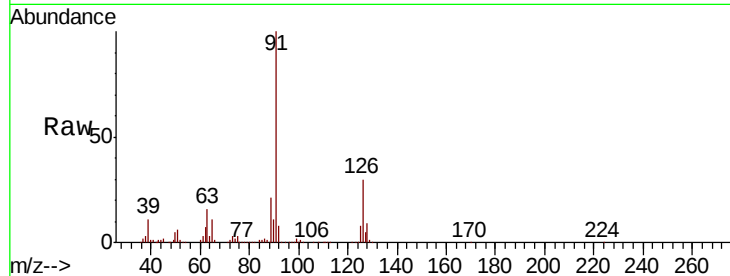




#71
 2-Chlorotoluene
 Concen: 8.276 ppbv
 RT: 15.62 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

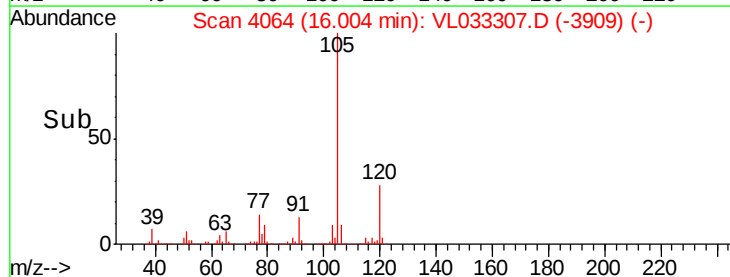
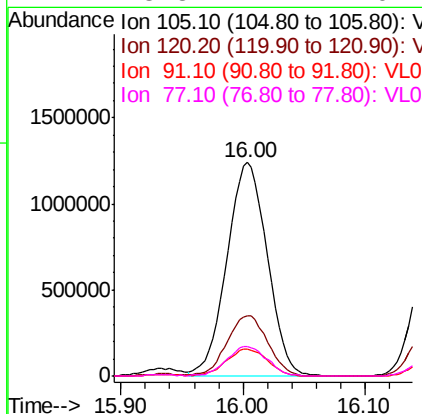
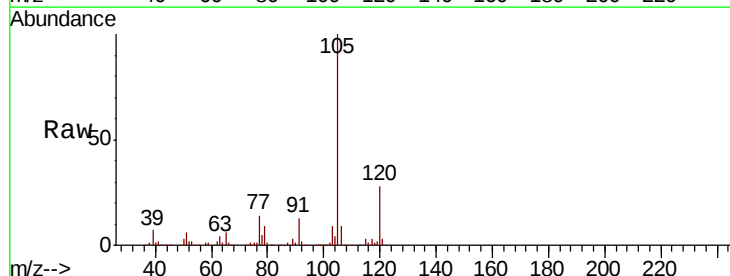
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

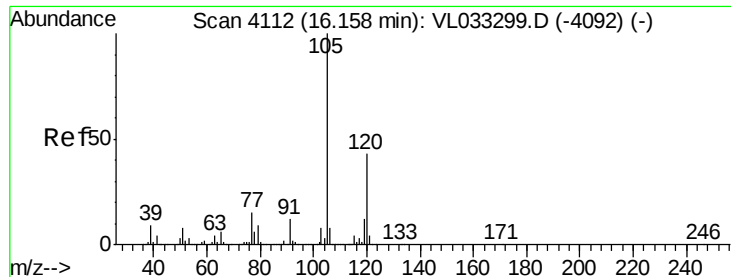
Tgt Ion: 91 Resp: 2659224
 Ion Ratio Lower Upper
 91 100
 126 29.2 11.8 47.0



#72
 4-Ethyltoluene
 Concen: 8.704 ppbv
 RT: 16.00 min Scan# 4064
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Tgt Ion: 105 Resp: 2843673
 Ion Ratio Lower Upper
 105 100
 120 28.6 22.7 34.1
 91 12.9 10.3 15.5
 77 13.8 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.884 ppbv

RT: 16.16 min Scan# 4113

Delta R.T. 0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

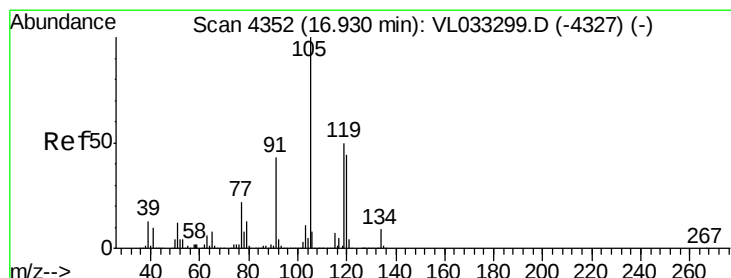
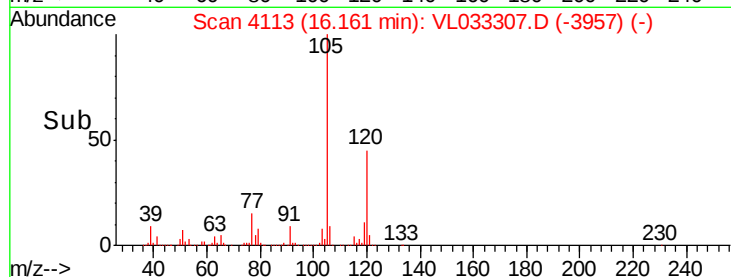
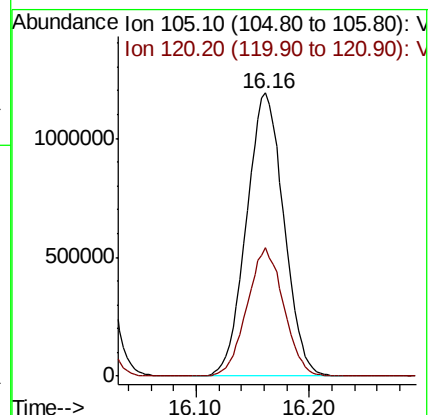
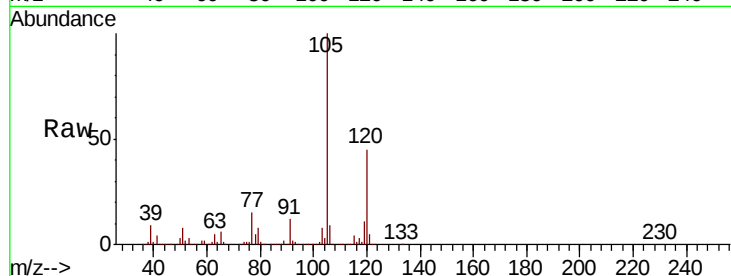
ICVVL031319

Tgt Ion:105 Resp: 2728899

Ion Ratio Lower Upper

105 100

120 45.2 34.6 52.0



#74

1,2,4-Trimethylbenzene

Concen: 8.902 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Tgt Ion:105 Resp: 2790278

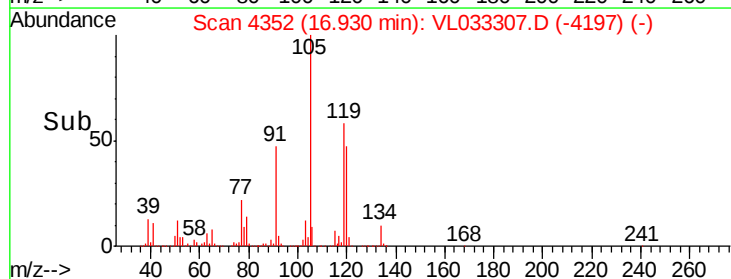
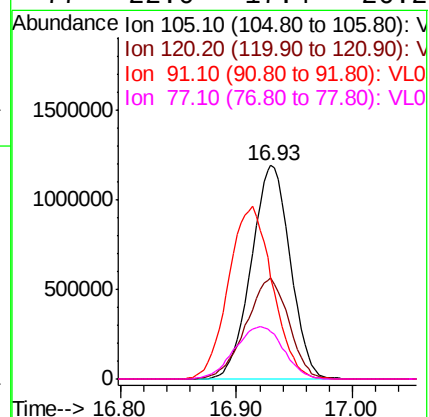
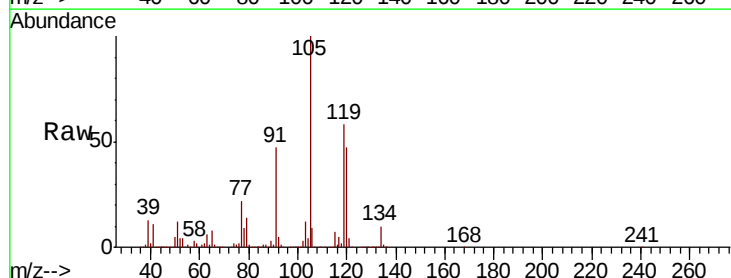
Ion Ratio Lower Upper

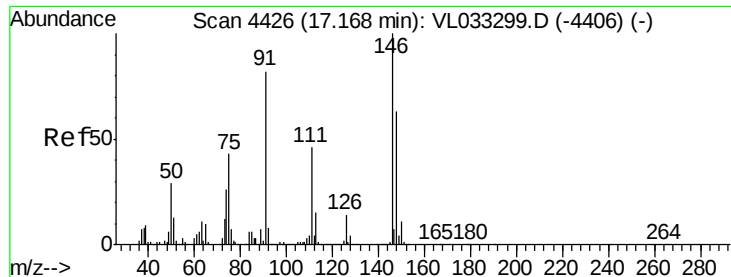
105 100

120 47.3 35.2 52.8

91 47.1 34.0 51.0

77 22.0 17.4 26.2

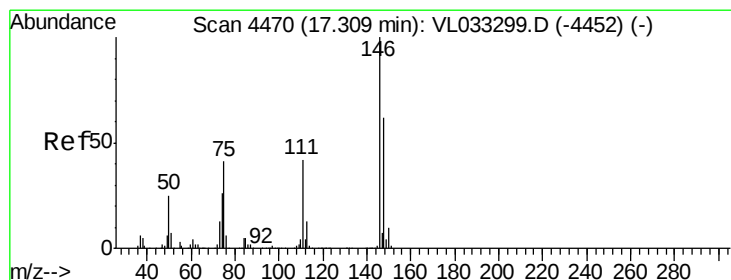
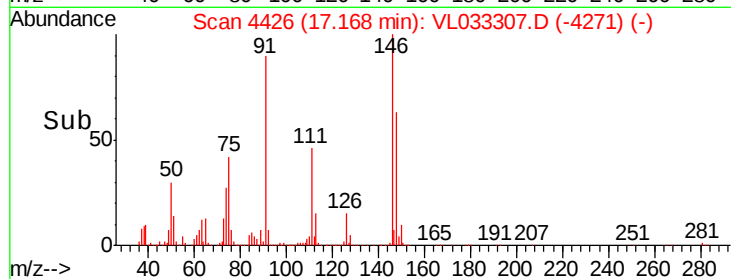
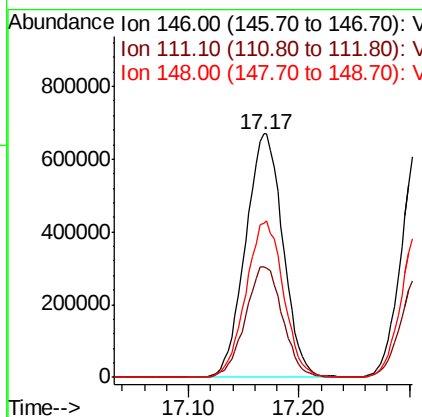
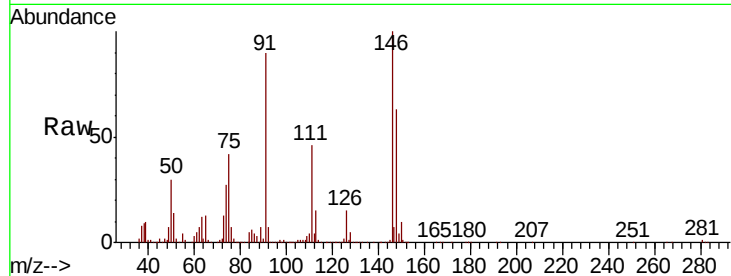




#75
 1,3-Dichlorobenzene
 Concen: 8.045 ppbv
 RT: 17.17 min Scan# 4426
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

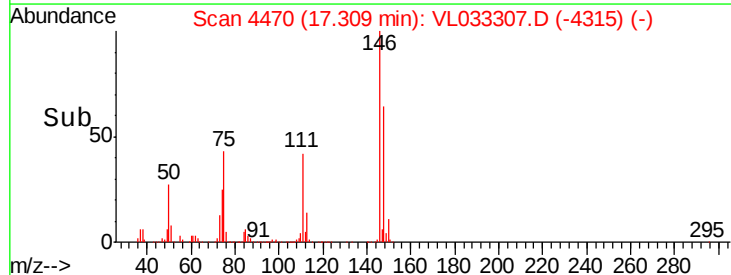
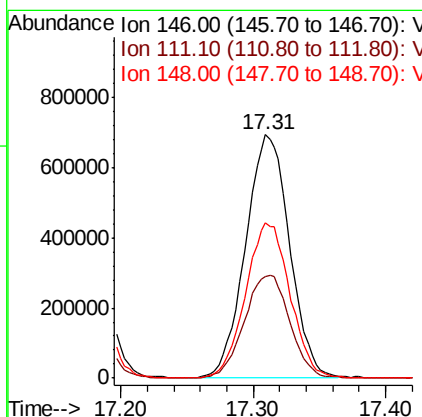
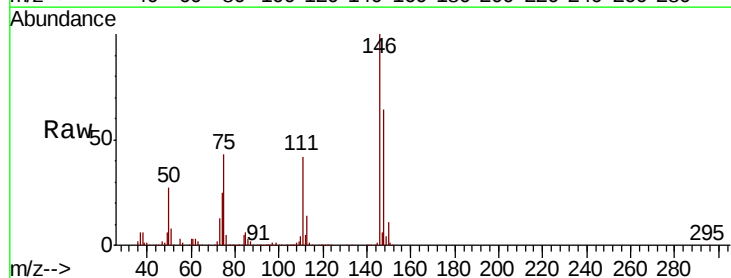
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

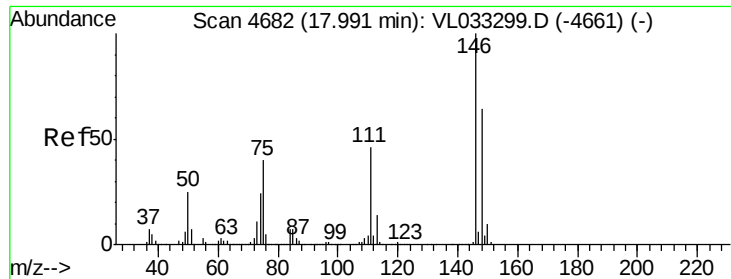
Tgt Ion:146 Resp: 1578554
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.9 68.7
 148 64.3 32.4 97.0



#76
 1,4-Dichlorobenzene
 Concen: 8.282 ppbv
 RT: 17.31 min Scan# 4470
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Tgt Ion:146 Resp: 1586745
 Ion Ratio Lower Upper
 146 100
 111 44.0 21.9 65.5
 148 65.0 31.8 95.4

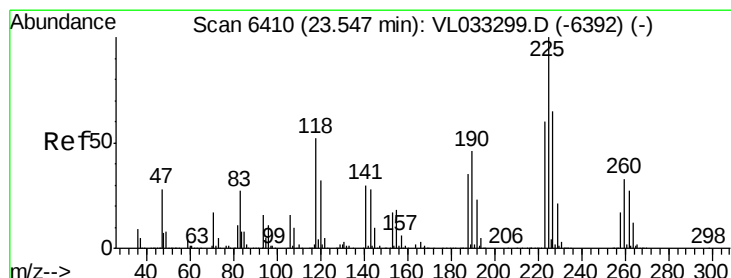
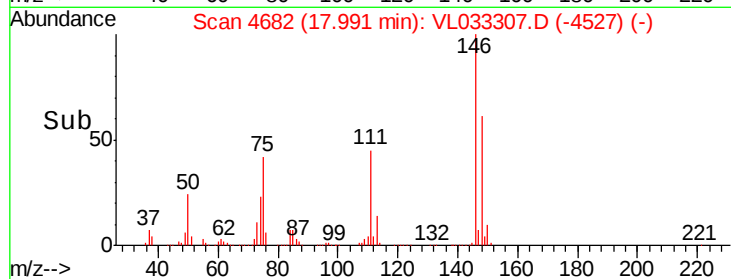
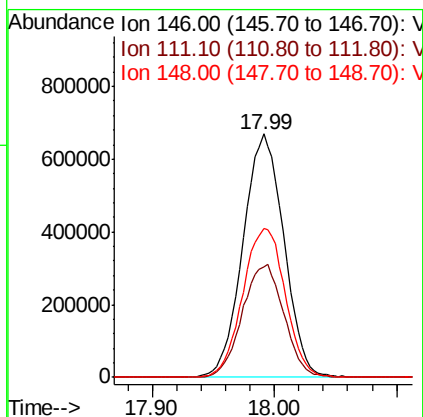
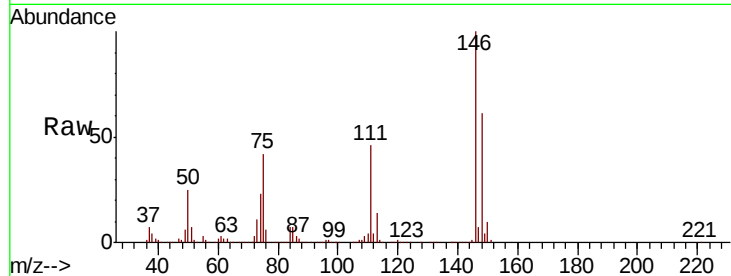




#77
 1,2-Dichlorobenzene
 Concen: 8.114 ppbv
 RT: 17.99 min Scan# 4682
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

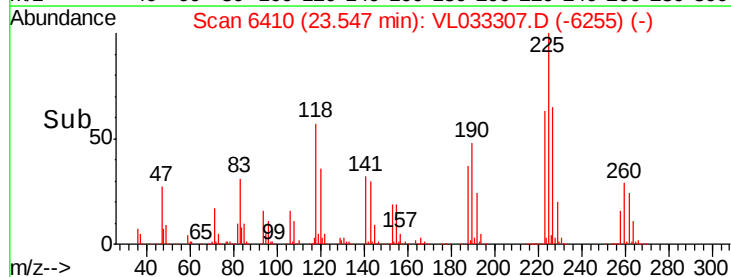
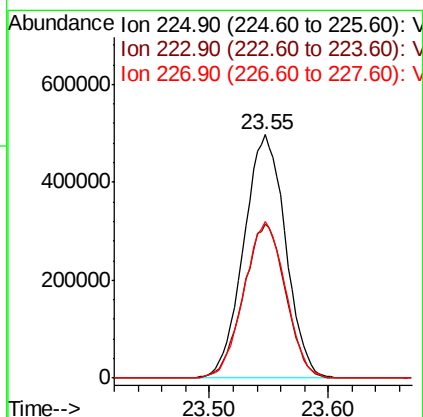
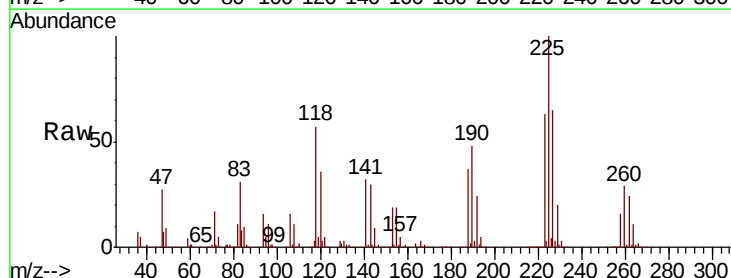
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

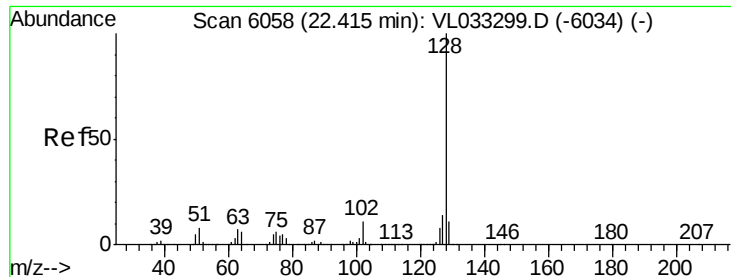
Tgt Ion:146 Resp: 1550036
 Ion Ratio Lower Upper
 146 100
 111 47.2 23.2 69.6
 148 63.9 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.574 ppbv
 RT: 23.55 min Scan# 6410
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Tgt Ion:225 Resp: 1207852
 Ion Ratio Lower Upper
 225 100
 223 63.5 50.3 75.5
 227 64.0 51.2 76.8

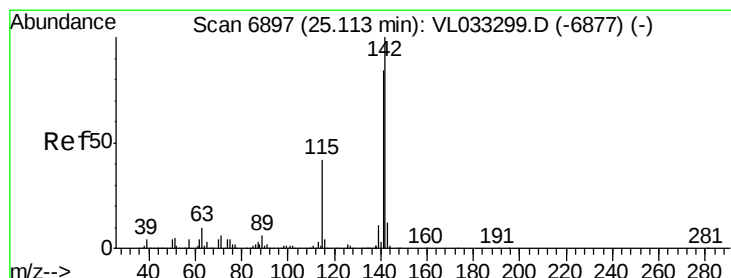
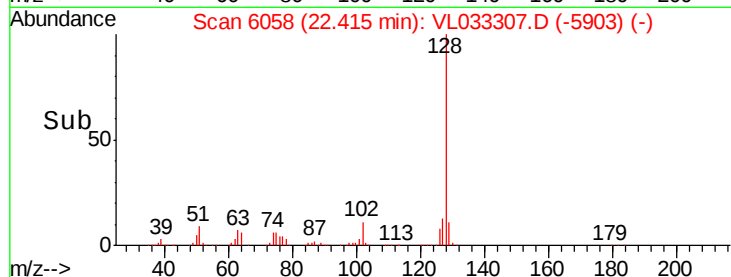
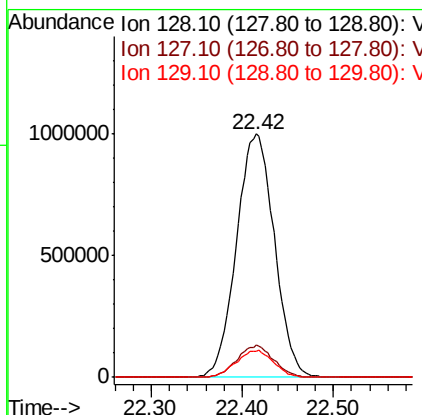
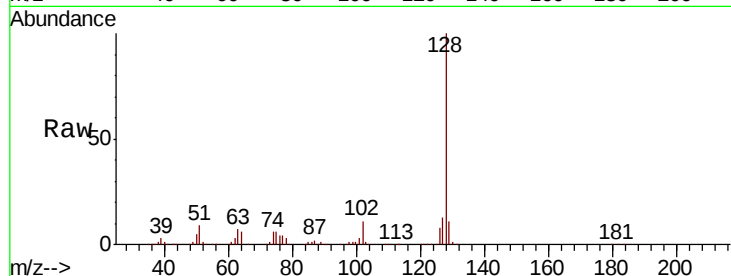




#79
Naphthalene
Concen: 11.230 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

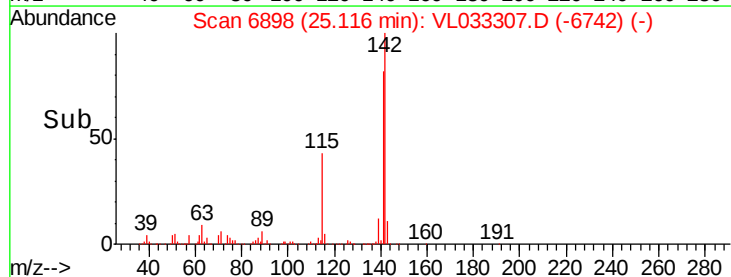
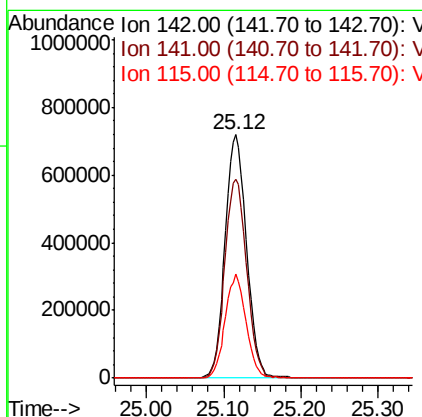
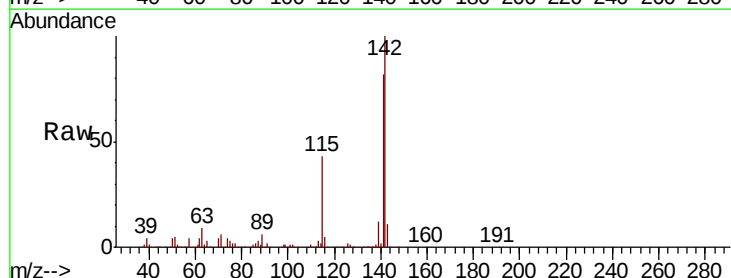
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

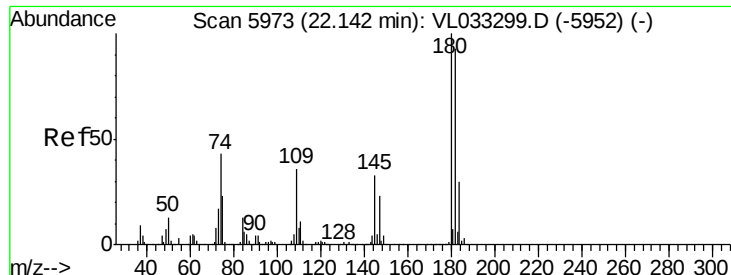
Tgt Ion:128 Resp: 2891931
Ion Ratio Lower Upper
128 100
127 13.1 10.8 16.2
129 10.6 8.9 13.3



#80
Naphthalene, 2-methyl-
Concen: 19.153 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion:142 Resp: 1381452
Ion Ratio Lower Upper
142 100
141 83.6 67.2 100.8
115 41.7 33.6 50.4





#81
 1,2,4-Trichlorobenzene
 Concen: 9.873 ppbv
 RT: 22.14 min Scan# 5972
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

Tgt Ion:180 Resp: 1445706
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.4 114.6
 184 30.3 24.6 36.8

