

Data File : VL033280.D

Acq On : 12 Mar 2019 10:04

Operator : SY/AP

Sample : VSTDICV010

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031219

Quant Time: Mar 13 07:49:49 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 13 07:17:55 2019

QLast Update : Wed Mar 13 07:17:55 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	908463	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2139836	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2769250	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1723968	8.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	1633194	8.902	ppbv	99
3) Chlorodifluoromethane	3.01	51	1021806	8.480	ppbv	100
4) Chloromethane	3.17	50	552684	8.579	ppbv	100
5) Vinyl Chloride	3.29	62	525237	8.348	ppbv	97
6) Bromomethane	3.51	94	336858	8.765	ppbv	98
7) Chloroethane	3.60	64	200154	8.797	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1291485	8.327	ppbv	100
9) Propene	3.04	41	464870	8.462	ppbv	99
10) Heptane	8.25	43	1184033	9.569	ppbv	100
11) Trichlorofluoromethane	4.00	101	1505511	8.290	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	974529	9.376	ppbv	100
13) Ethanol	3.65	45	96627	5.765	ppbv	95
14) Bromoethene	3.79	108	423682	8.740	ppbv	99
15) Acetone	3.90	43	1084517	7.782	ppbv	100
16) 1,3-Butadiene	3.36	39	438123	8.707	ppbv	99
17) tert-Butyl alcohol	4.36	59	180125	9.632	ppbv	100
18) 1,1-Dichloroethene	4.35	96	439603	9.555	ppbv	94
19) Isopropyl Alcohol	4.02	45	629487	7.474	ppbv	100
20) Methylene Chloride	4.41	84	378466	8.168	ppbv	96
21) Allyl Chloride	4.48	41	696402	10.052	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	452692	9.227	ppbv	96
23) Vinyl Acetate	5.15	43	1730278	9.909	ppbv	98
24) 1,1-Dichloroethane	5.09	63	1156647	9.134	ppbv	99
25) Ethyl Acetate	5.77	43	1970892	9.178	ppbv	100
26) Hexane	5.78	57	887427	8.804	ppbv	99
27) Carbon Disulfide	4.62	76	1102058	10.305	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1368935	9.570	ppbv	100
29) Chloroform	5.85	83	1468180	9.574	ppbv	99
30) Cyclohexane	7.25	84	752650	9.631	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	927816	9.602	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1437635	9.621	ppbv	99
34) 2-Butanone	5.33	43	1316837	9.306	ppbv	99
35) Carbon Tetrachloride	7.13	117	1492275	9.544	ppbv	99
36) Benzene	7.00	78	1856800	9.409	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1107117	9.354	ppbv	100
38) Trichloroethene	7.96	130	698860	9.085	ppbv	99
39) 1,2-Dichloropropane	7.74	63	712359	9.592	ppbv	97
40) 1,4-Dioxane	7.95	88	224977	8.049	ppbv #	1
41) Tetrahydrofuran	6.14	42	751942	9.572	ppbv	99
42) Bromodichloromethane	7.92	83	1614215	9.906	ppbv	98
43) Methyl Methacrylate	8.14	69	767908	9.983	ppbv	98

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ClientSampleId :
ICVVL031219

Quant Time: Mar 13 07:49:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 07:17:55 2019
QLast Update : Wed Mar 13 07:17:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3075963	9.176	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1027856	10.870	ppbv	97
46) cis-1,3-Dichloropropene	8.84	75	1204993	10.872	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	753108	9.497	ppbv	98
48) Dibromochloromethane	10.45	129	1346820	10.358	ppbv	99
49) Bromoform	13.20	173	1184123	11.236	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1952355	9.668	ppbv	99
51) 2-Hexanone	10.27	43	1591787	10.326	ppbv	99
52) Tetrachloroethene	11.37	164	681365	9.419	ppbv	98
53) Toluene	9.95	91	2246585	9.876	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1215340	9.971	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	945580	8.033	ppbv #	60
57) Chlorobenzene	12.30	112	1612625	7.722	ppbv	98
58) Ethyl Benzene	12.86	91	3038532	7.984	ppbv	98
59) m/p-Xylene	13.13	91	2702812	8.493	ppbv #	32
60) o-Xylene	13.85	91	2437354	7.966	ppbv	99
61) Styrene	13.69	104	1863062	8.550	ppbv	100
62) Isopropylbenzene	14.83	105	3420746	8.024	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1653207	8.061	ppbv	99
64) n-propylbenzene	15.72	120	863919	8.236	ppbv	98
65) tert-Butylbenzene	16.91	119	2954474	8.210	ppbv	99
66) Benzyl Chloride	17.16	91	1526591	10.952	ppbv	99
67) sec-Butylbenzene	17.46	105	4201881	8.204	ppbv	99
69) p-Isopropyltoluene	17.82	119	3436458	8.306	ppbv	100
70) n-Butylbenzene	18.72	91	3650363	8.216	ppbv	99
71) 2-Chlorotoluene	15.62	91	2650815	8.249	ppbv	100
72) 4-Ethyltoluene	16.00	105	2825510	8.550	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2661523	8.547	ppbv	96
74) 1,2,4-Trimethylbenzene	16.93	105	2713127	8.555	ppbv	97
75) 1,3-Dichlorobenzene	17.17	146	1562599	8.221	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1565492	8.328	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1503606	7.946	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1215107	7.707	ppbv	100
79) Naphthalene	22.42	128	2977090	8.671	ppbv	98
80) Naphthalene,2-methyl-	25.12	142	1671495	17.768	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1417404	7.842	ppbv	100

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

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ClientSampleId :
ICVVL031219

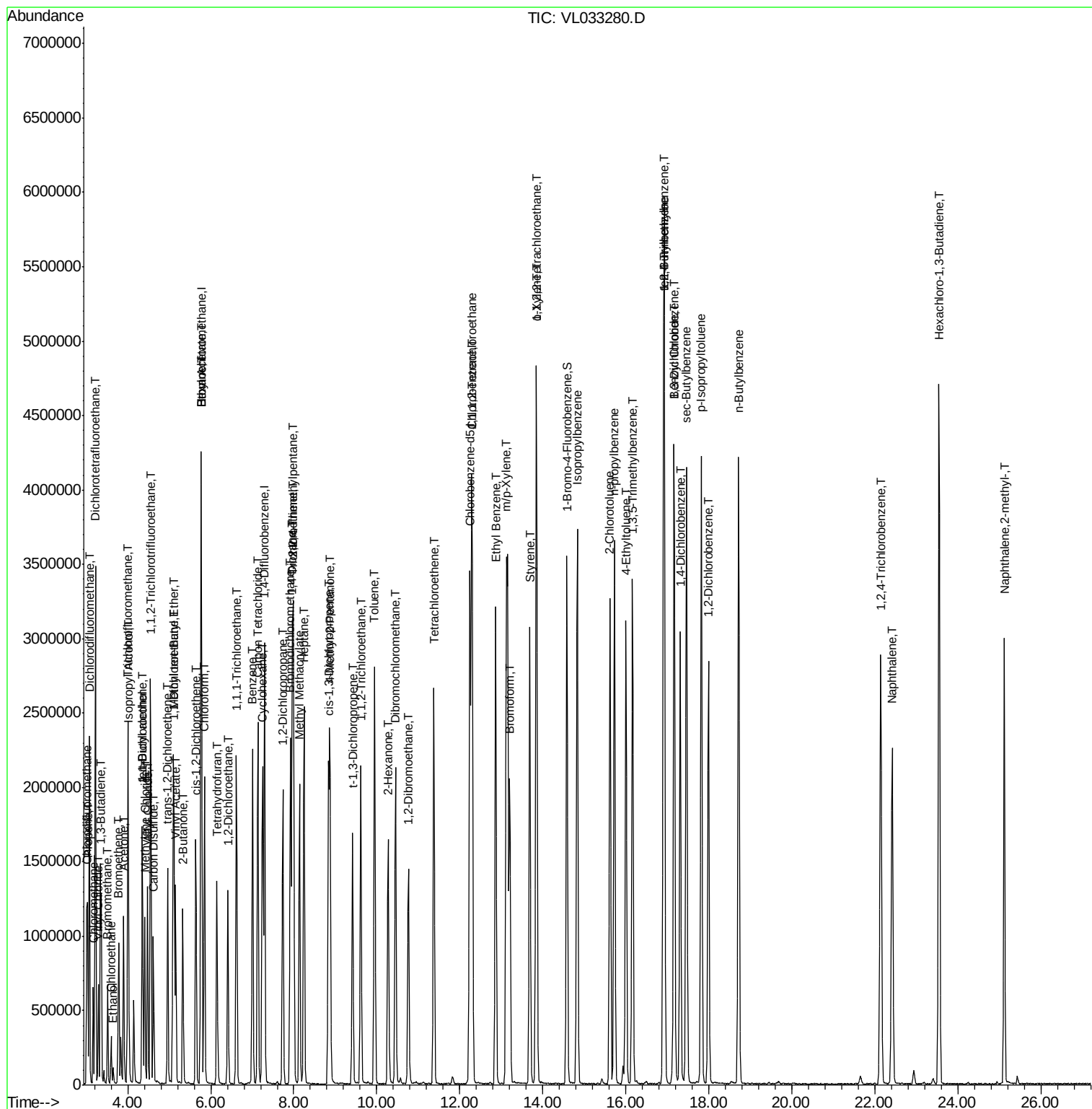
Quant Time: Mar 13 07:49:49 2019

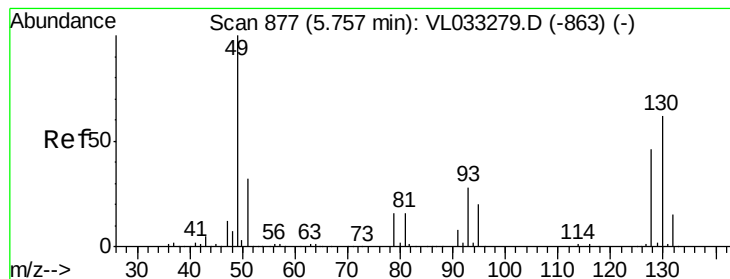
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL031219AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Mar 13 07:17:55 2019

QLast Update : Wed Mar 13 07:17:55 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: VL033280.D

Acq: 12 Mar 2019 10:04

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031219

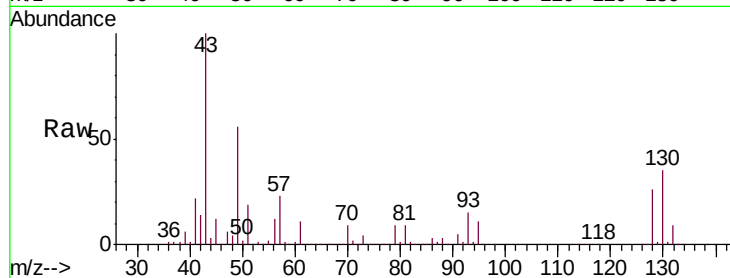
Tgt Ion: 49 Resp: 908463

Ion Ratio Lower Upper

49 100

128 47.3 23.3 69.9

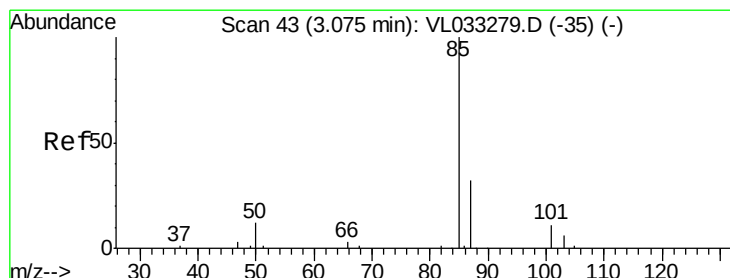
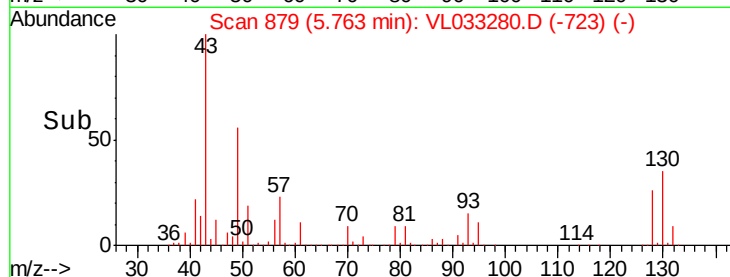
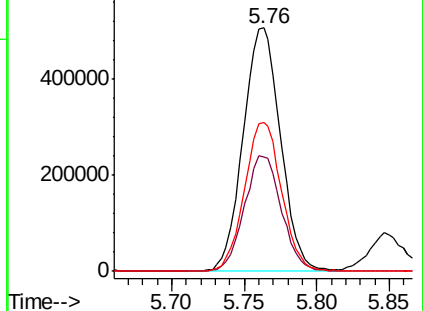
130 61.0 30.0 90.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.902 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033280.D

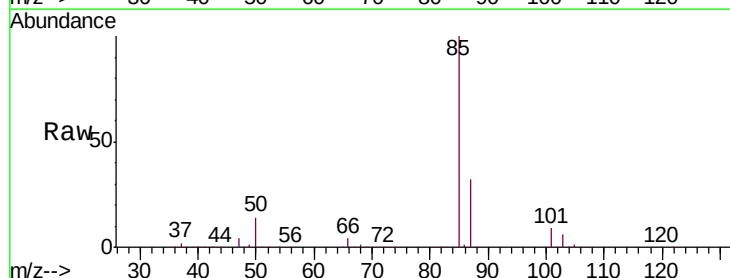
Acq: 12 Mar 2019 10:04

Tgt Ion: 85 Resp: 1633194

Ion Ratio Lower Upper

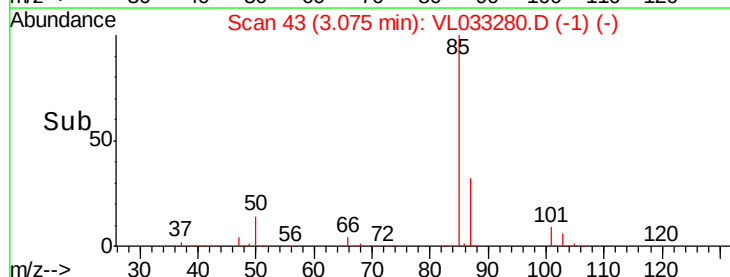
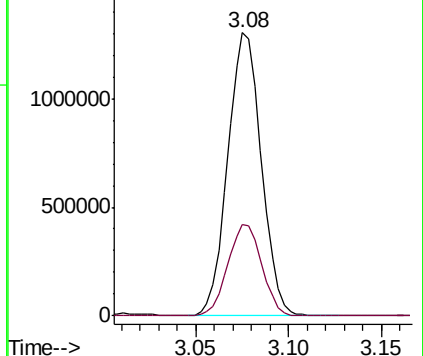
85 100

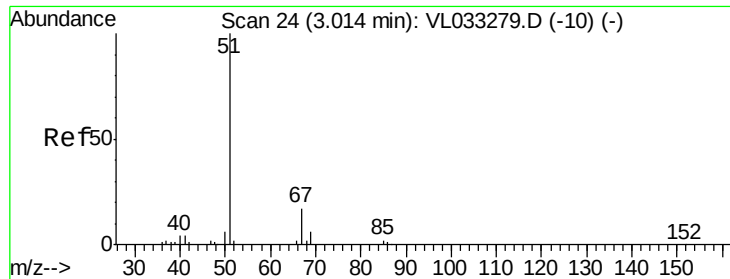
87 32.4 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.480 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033280.D

Acq: 12 Mar 2019 10:04

Instrument :

MSVOA_L

ClientSampleId :

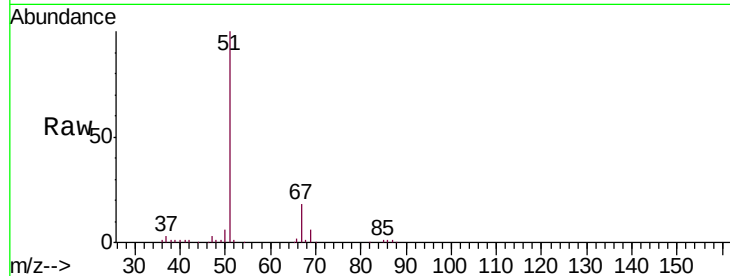
ICVVL031219

Tgt Ion: 51 Resp: 1021806

Ion Ratio Lower Upper

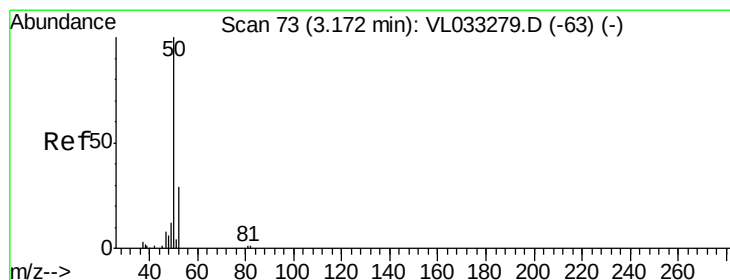
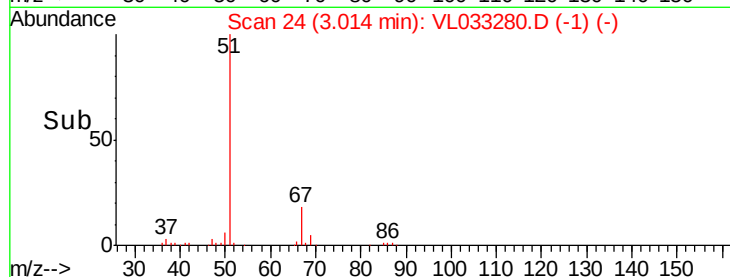
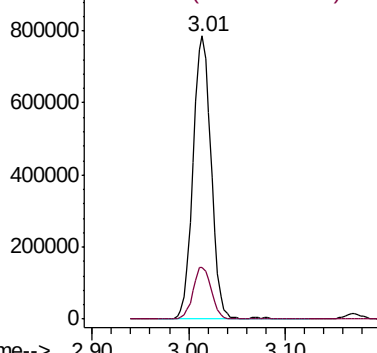
51 100

67 18.5 15.0 22.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.579 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL033280.D

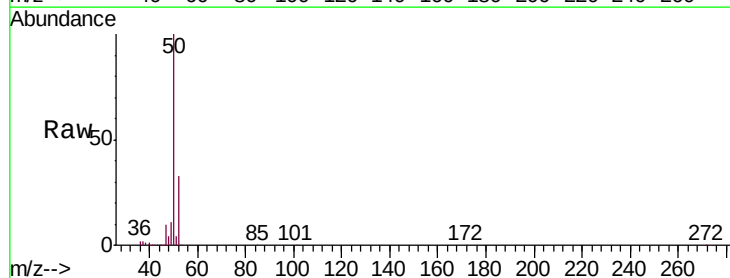
Acq: 12 Mar 2019 10:04

Tgt Ion: 50 Resp: 552684

Ion Ratio Lower Upper

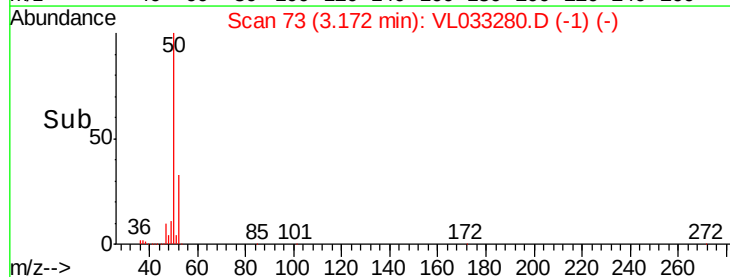
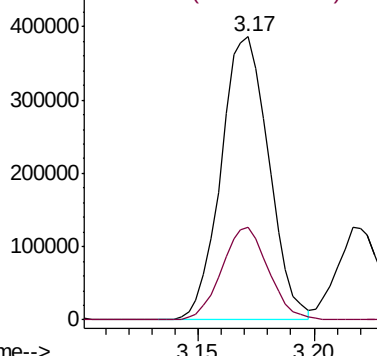
50 100

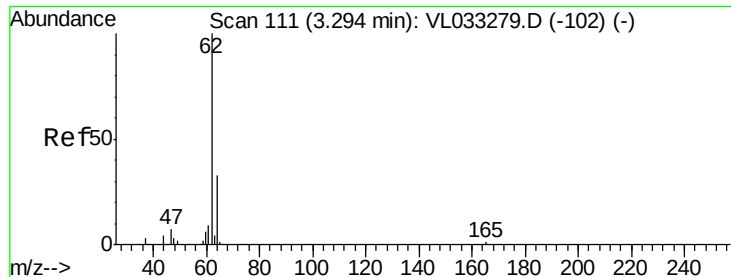
52 32.9 26.6 39.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.348 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033280.D

Acq: 12 Mar 2019 10:04

Instrument :

MSVOA_L

ClientSampleId :

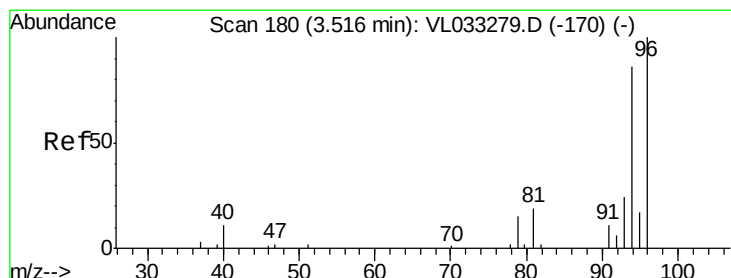
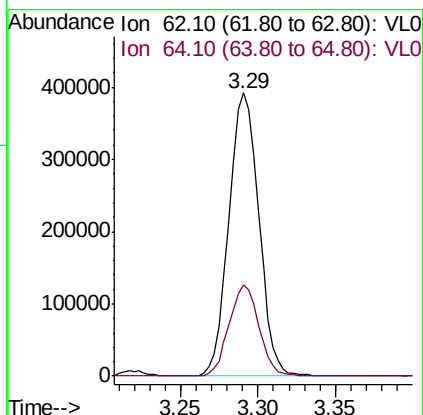
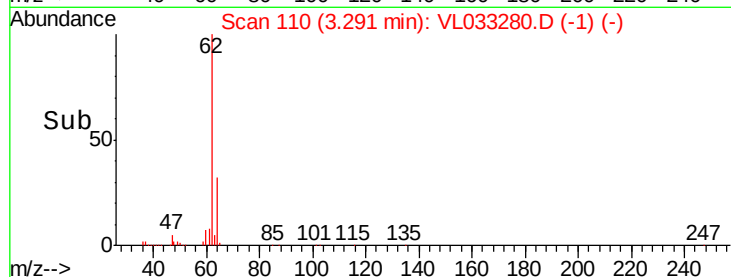
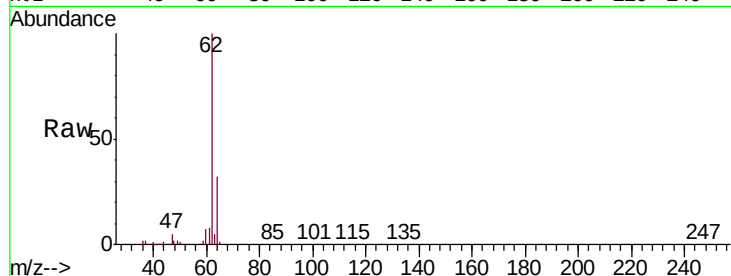
ICVVL031219

Tgt Ion: 62 Resp: 525237

Ion Ratio Lower Upper

62 100

64 32.5 24.5 36.7



#6

Bromomethane

Concen: 8.765 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033280.D

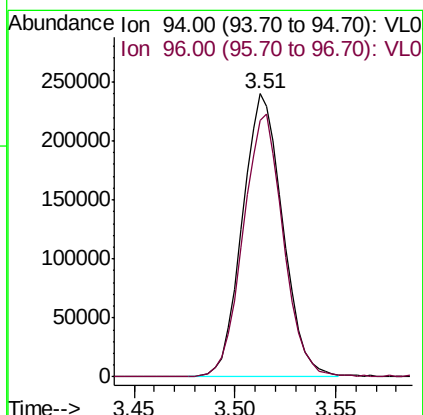
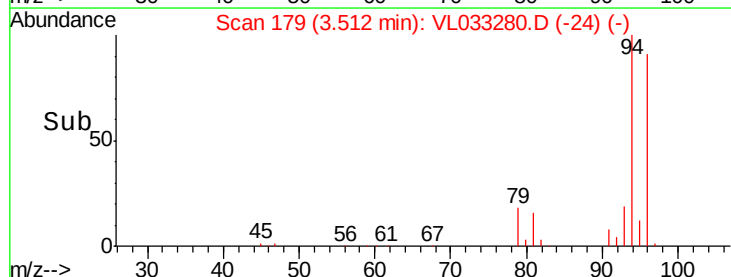
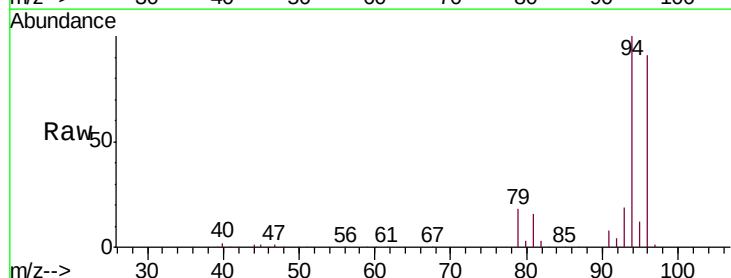
Acq: 12 Mar 2019 10:04

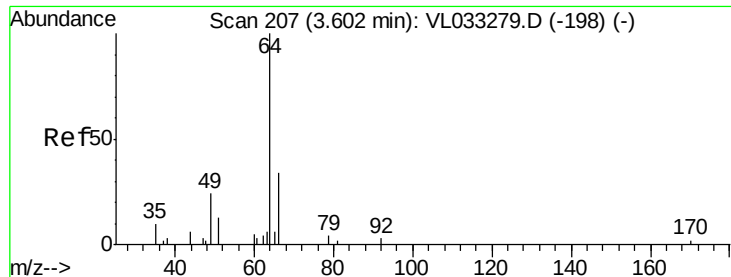
Tgt Ion: 94 Resp: 336858

Ion Ratio Lower Upper

94 100

96 90.6 71.3 106.9





#7

Chloroethane

Concen: 8.797 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033280.D

Acq: 12 Mar 2019 10:04

Instrument :

MSVOA_L

ClientSampleId :

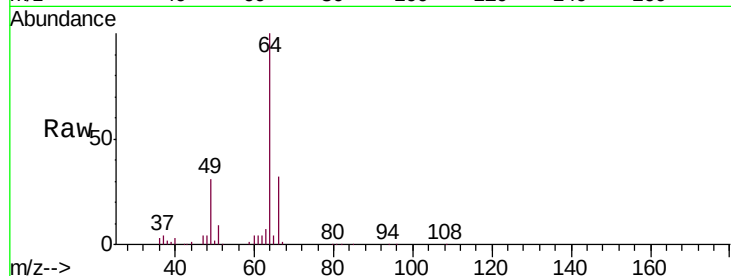
ICVVL031219

Tgt Ion: 64 Resp: 200154

Ion Ratio Lower Upper

64 100

66 32.1 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.60

150000

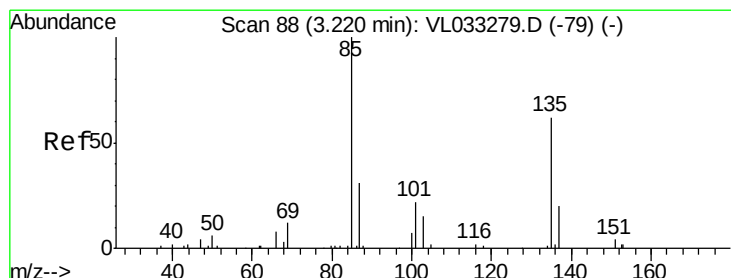
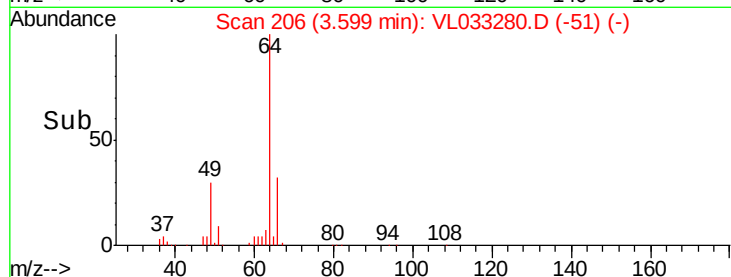
100000

50000

0

Time-->

3.55 3.60 3.65



#8

Dichlorotetrafluoroethane

Concen: 8.327 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033280.D

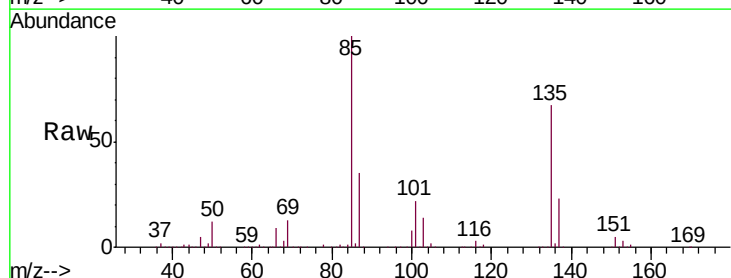
Acq: 12 Mar 2019 10:04

Tgt Ion: 85 Resp: 1291485

Ion Ratio Lower Upper

85 100

135 66.8 53.4 80.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1200000

1000000

800000

600000

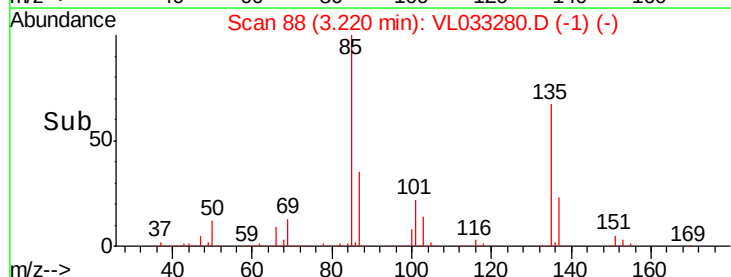
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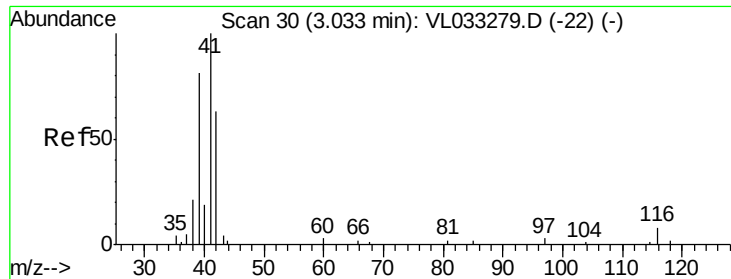
200000

0

Time-->

3.15 3.20 3.25





#9

Propene

Concen: 8.462 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033280.D

Acq: 12 Mar 2019 10:04

Instrument :

MSVOA_L

ClientSampleId :

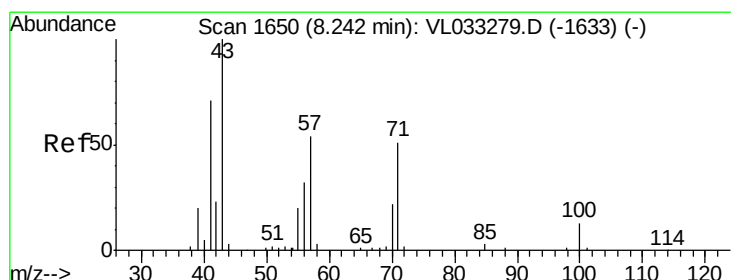
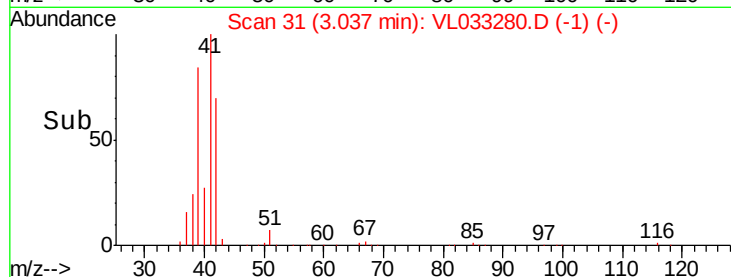
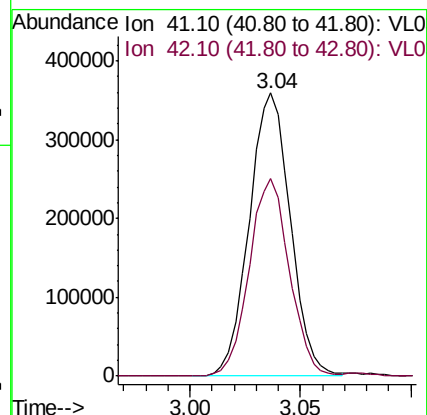
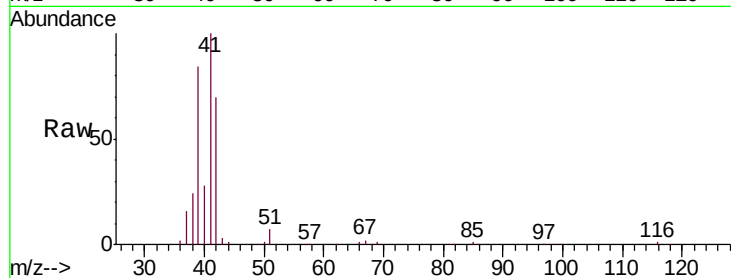
ICVVL031219

Tgt Ion: 41 Resp: 464870

Ion Ratio Lower Upper

41 100

42 69.2 54.6 82.0



#10

Heptane

Concen: 9.569 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL033280.D

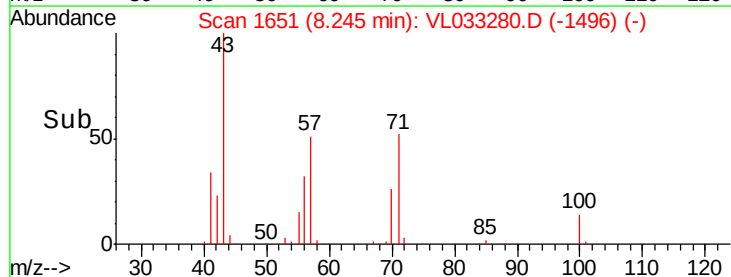
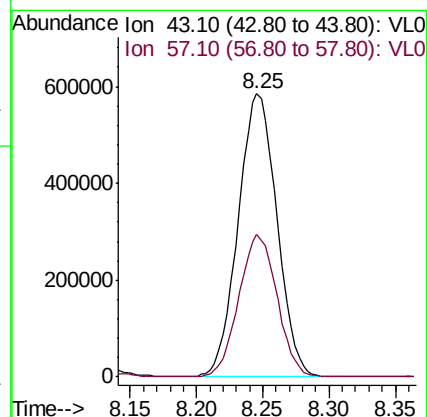
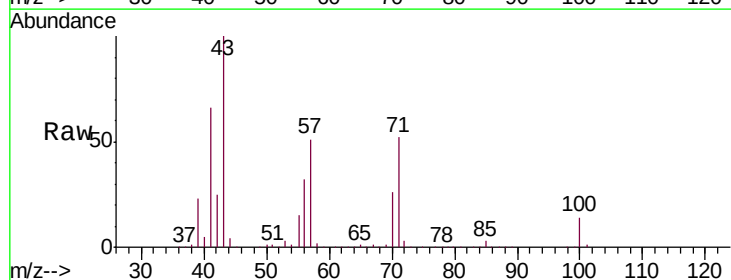
Acq: 12 Mar 2019 10:04

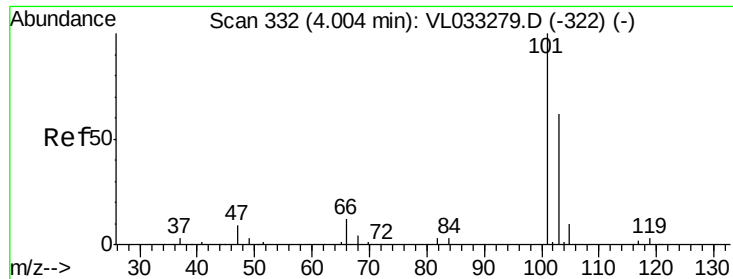
Tgt Ion: 43 Resp: 1184033

Ion Ratio Lower Upper

43 100

57 49.7 39.8 59.8

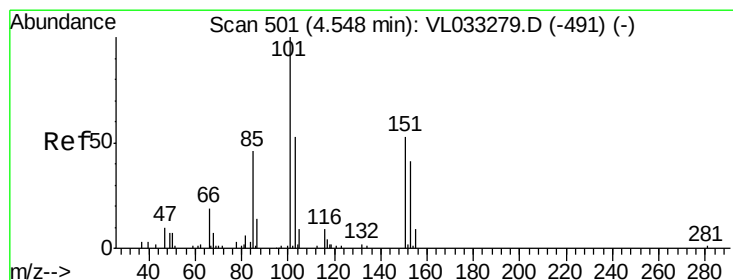
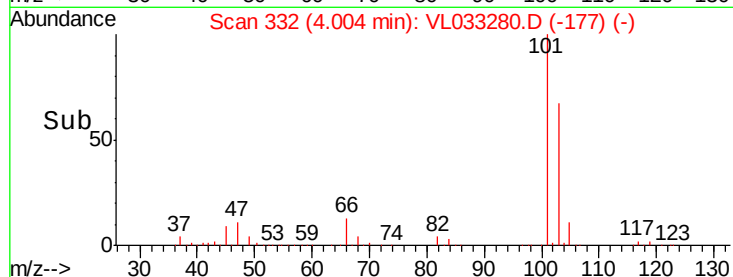
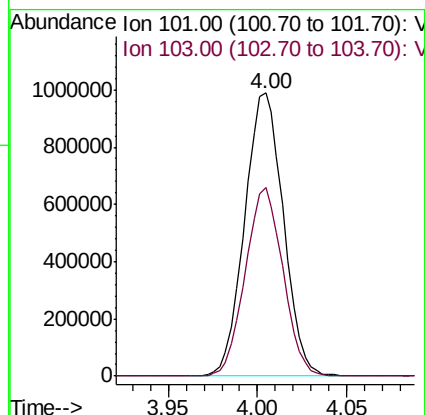
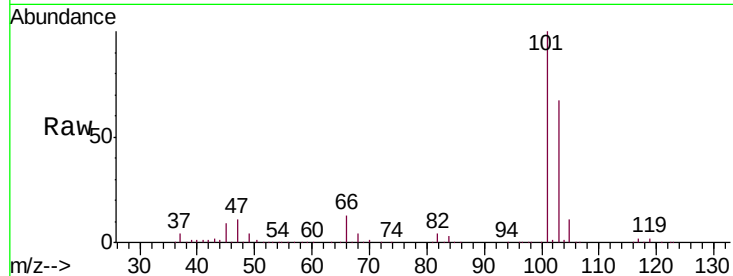




#11
 Trichlorofluoromethane
 Concen: 8.290 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

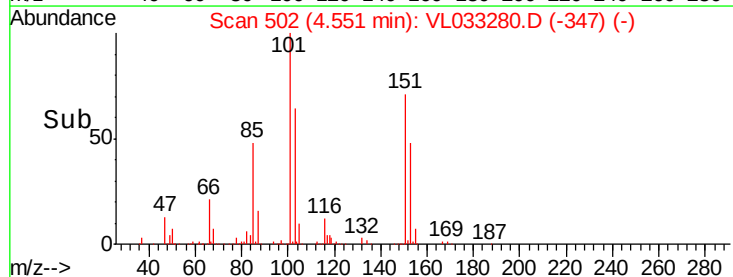
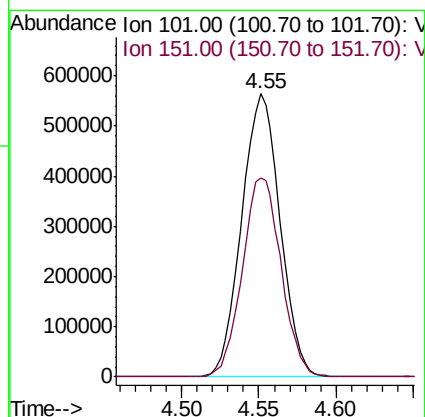
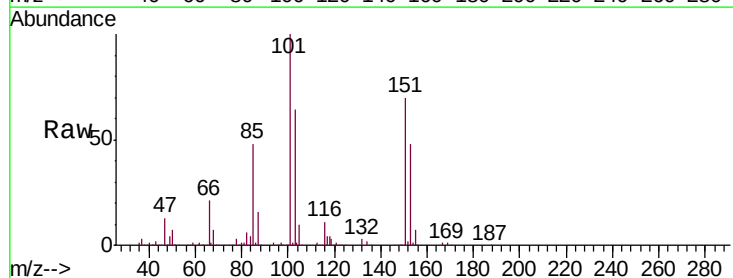
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031219

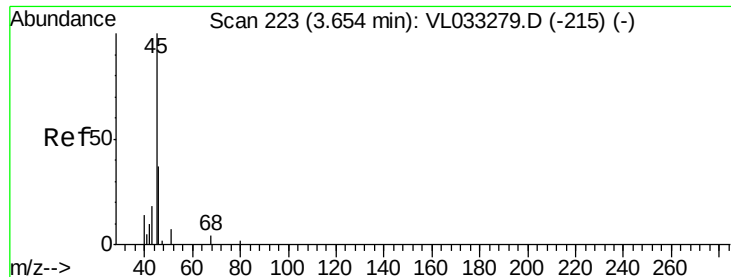
Tgt Ion:101 Resp: 1505511
 Ion Ratio Lower Upper
 101 100
 103 66.8 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.376 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

Tgt Ion:101 Resp: 974529
 Ion Ratio Lower Upper
 101 100
 151 71.1 56.9 85.3

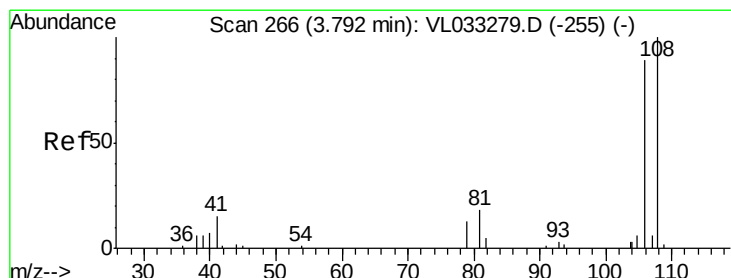
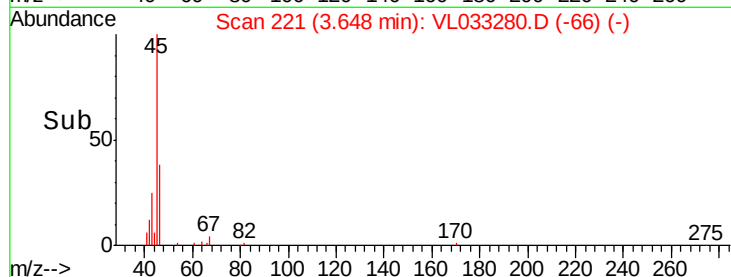
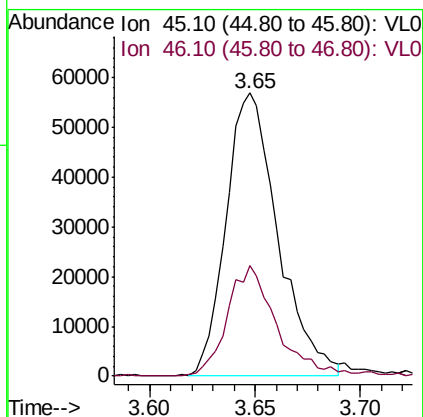
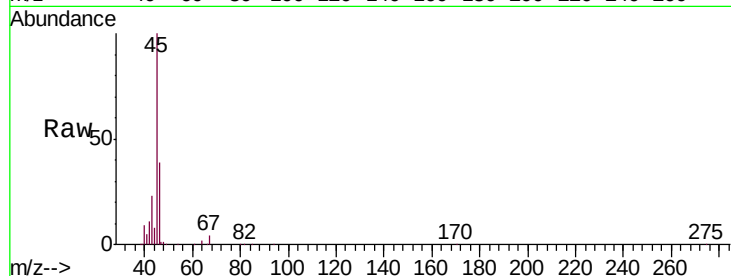




#13
Ethanol
Concen: 5.765 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

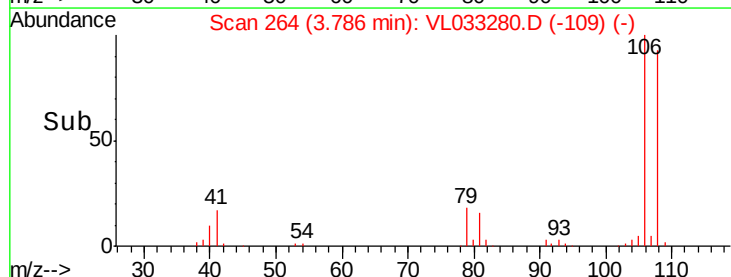
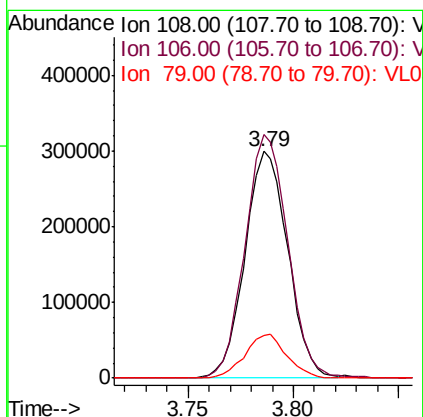
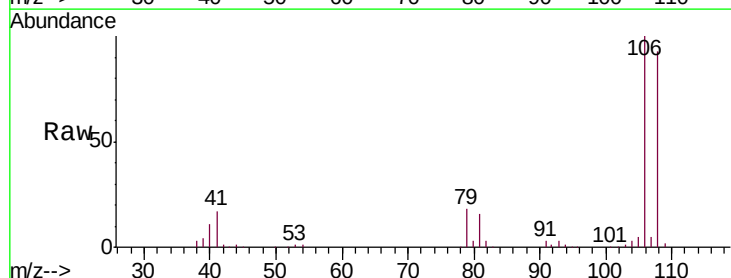
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031219

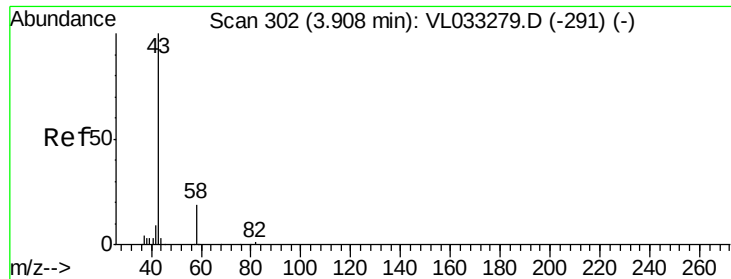
Tgt Ion: 45 Resp: 96627
Ion Ratio Lower Upper
45 100
46 37.8 13.9 55.7



#14
Bromoethene
Concen: 8.740 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

Tgt Ion: 108 Resp: 423682
Ion Ratio Lower Upper
108 100
106 108.1 85.9 128.9
79 19.0 14.9 22.3

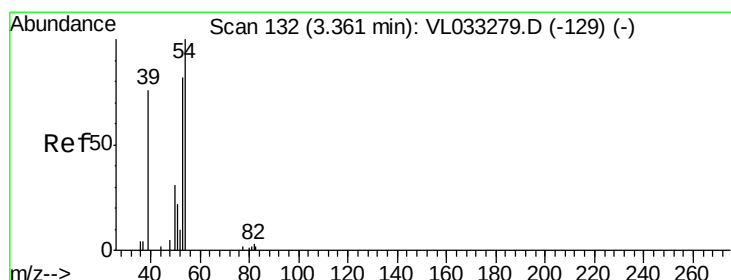
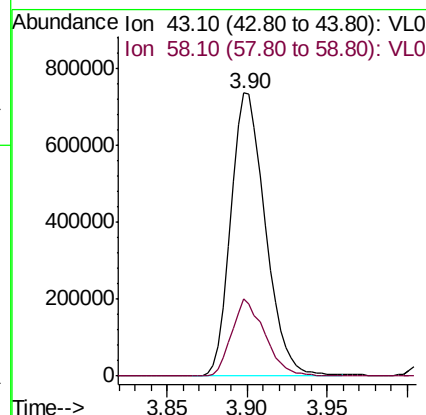
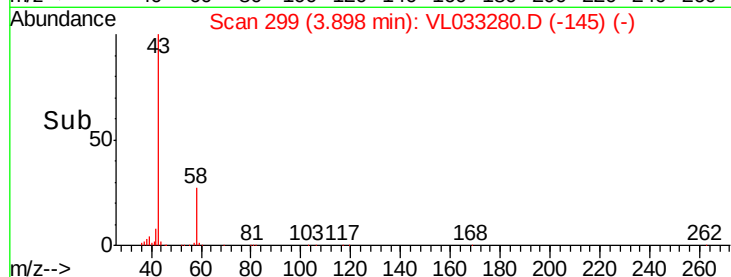
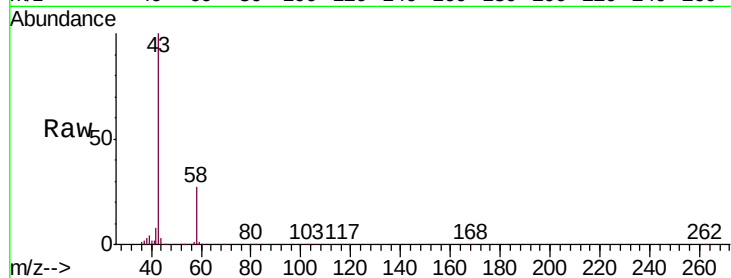




#15
Acetone
Concen: 7.782 ppbv
RT: 3.90 min Scan# 299
Delta R.T. -0.01 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

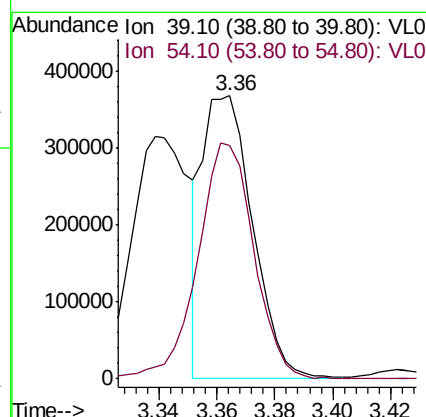
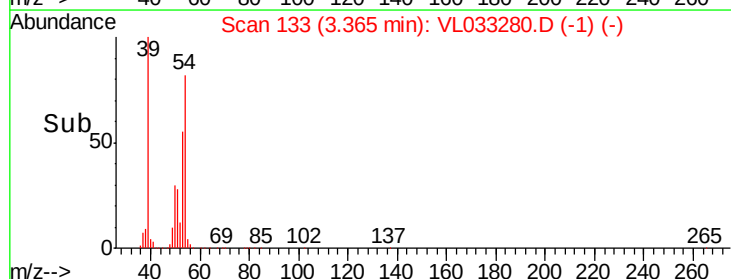
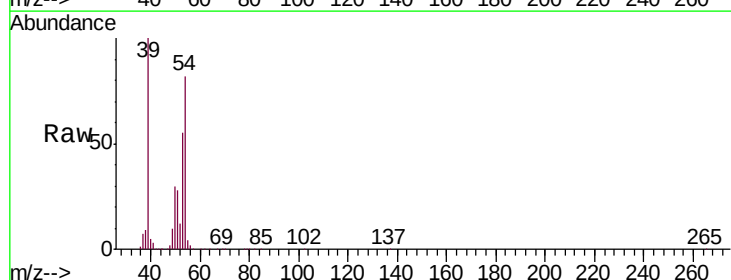
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031219

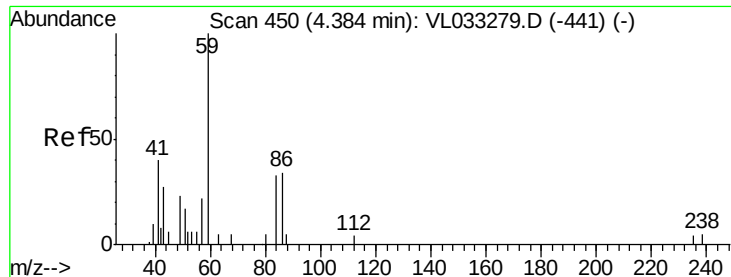
Tgt Ion: 43 Resp: 1084517
Ion Ratio Lower Upper
43 100
58 26.2 21.1 31.7



#16
1,3-Butadiene
Concen: 8.707 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

Tgt Ion: 39 Resp: 438123
Ion Ratio Lower Upper
39 100
54 94.9 76.6 114.8

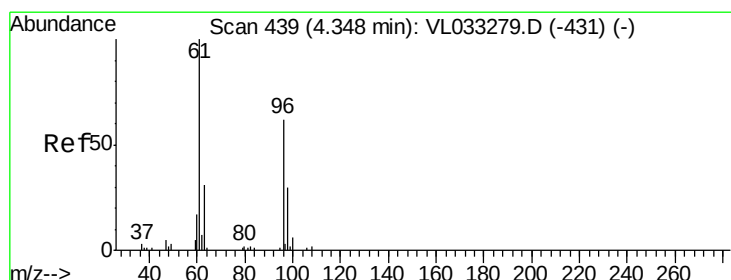
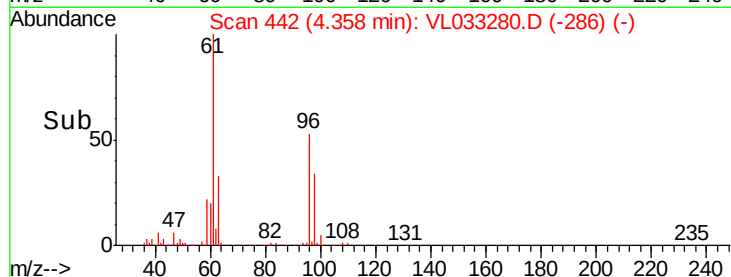
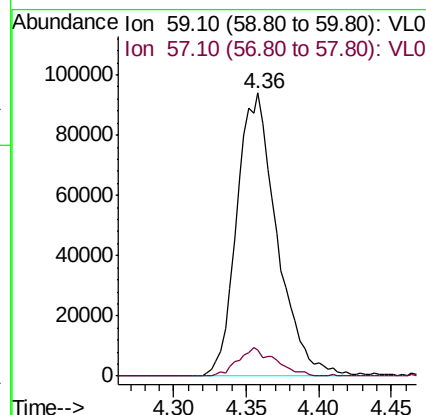
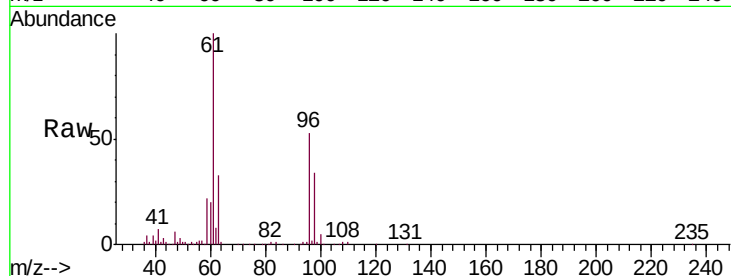




#17
 tert-Butyl alcohol
 Concen: 9.632 ppbv
 RT: 4.36 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

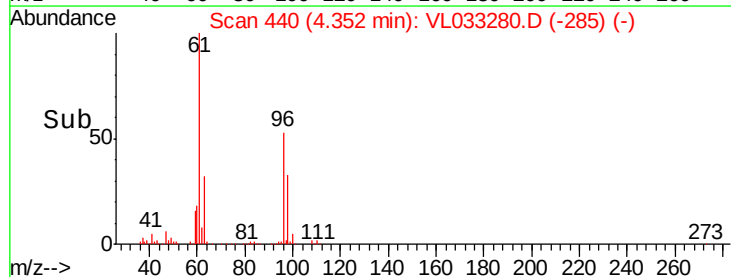
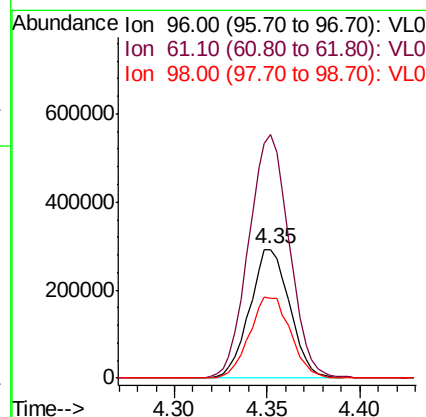
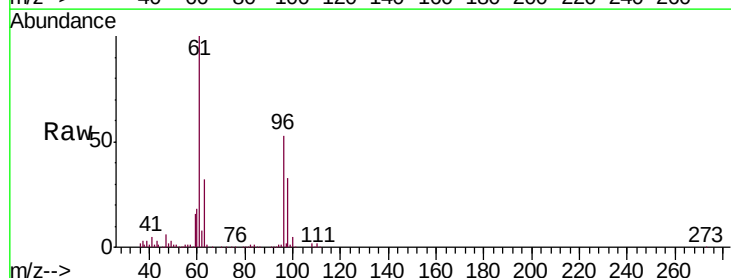
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031219

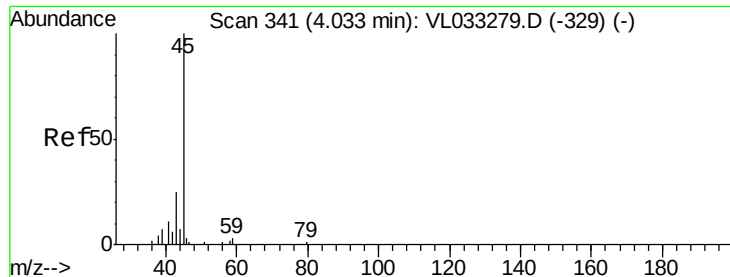
Tgt Ion: 59 Resp: 180125
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.5 11.3



#18
 1,1-Dichloroethene
 Concen: 9.555 ppbv
 RT: 4.35 min Scan# 440
 Delta R.T. -0.00 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

Tgt Ion: 96 Resp: 439603
 Ion Ratio Lower Upper
 96 100
 61 189.5 158.9 238.3
 98 62.2 52.4 78.6





#19

Isopropyl Alcohol

Concen: 7.474 ppbv

RT: 4.02 min Scan# 337

Delta R.T. -0.00 min

Lab File: VL033280.D

Acq: 12 Mar 2019 10:04

Instrument :

MSVOA_L

ClientSampleId :

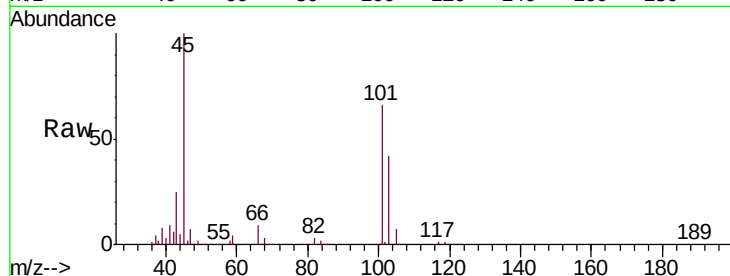
ICVVL031219

Tgt Ion: 45 Resp: 629487

Ion Ratio Lower Upper

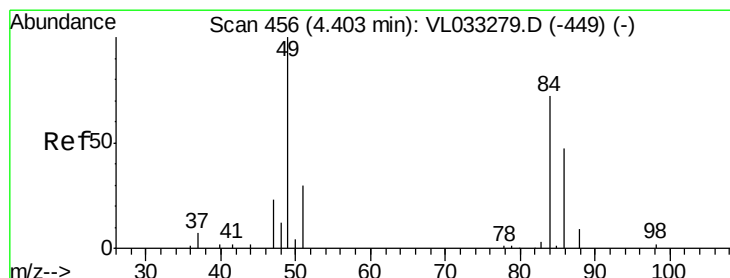
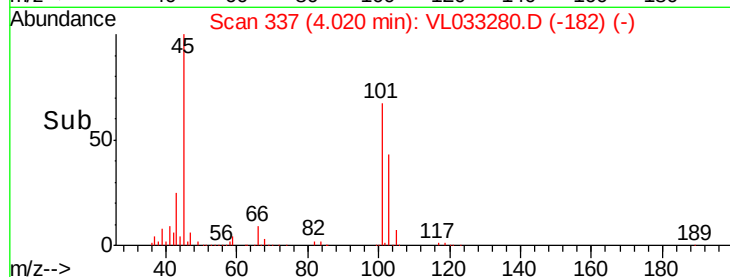
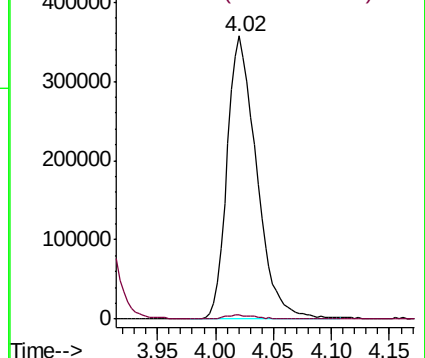
45 100

58 1.7 1.4 2.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.168 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033280.D

Acq: 12 Mar 2019 10:04

Tgt Ion: 84 Resp: 378466

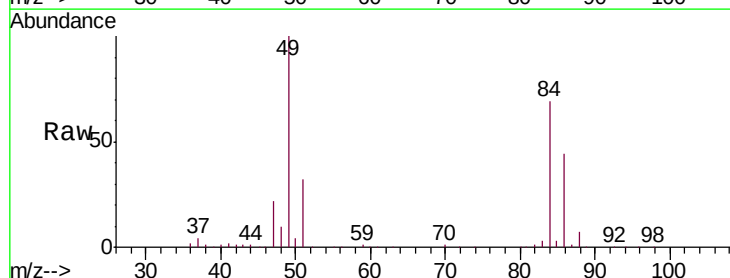
Ion Ratio Lower Upper

84 100

49 143.6 120.3 180.5

51 45.2 36.2 54.4

86 62.7 52.5 78.7

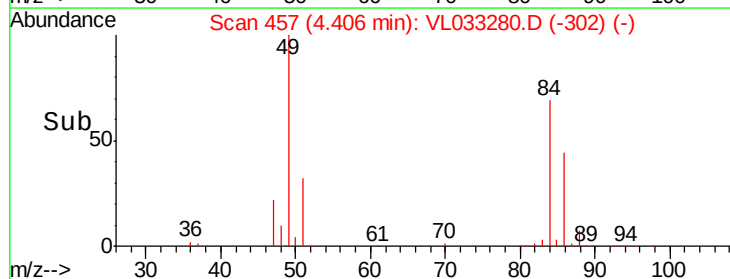
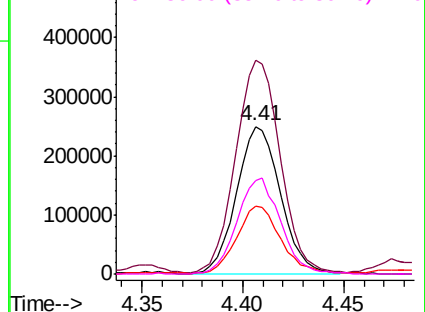


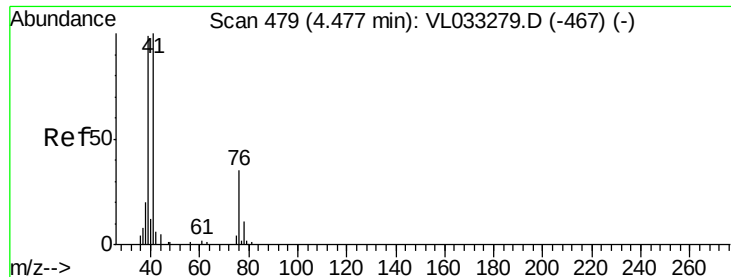
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

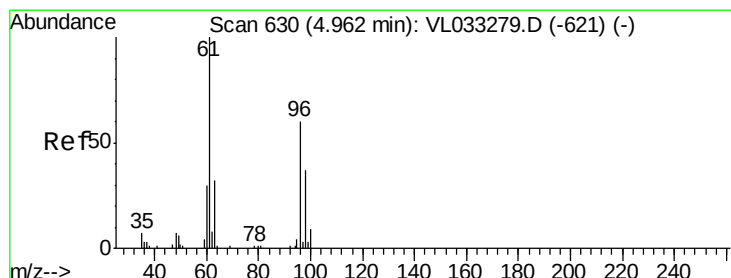
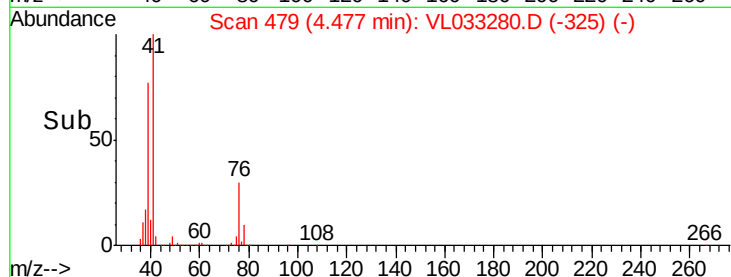
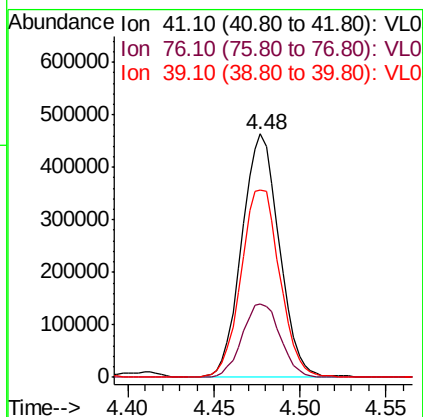
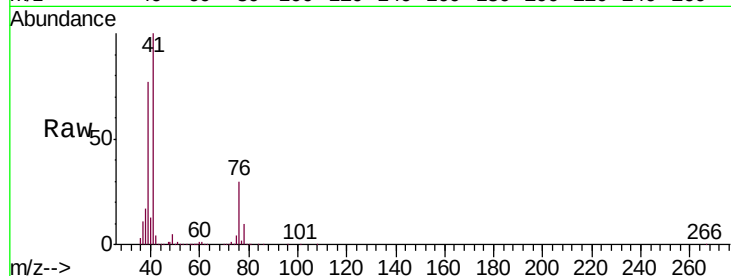




#21
 Allyl Chloride
 Concen: 10.052 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. -0.01 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

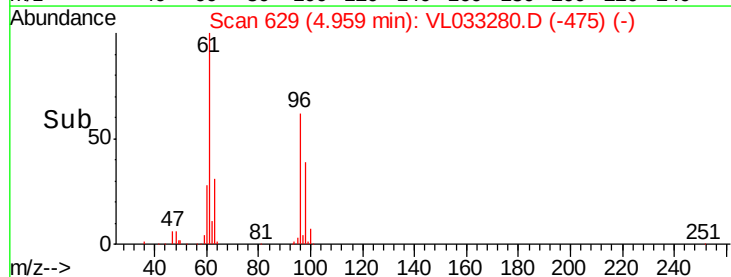
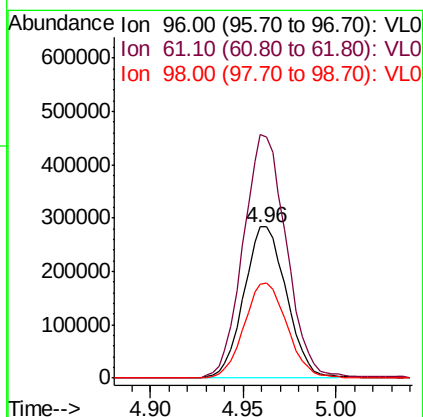
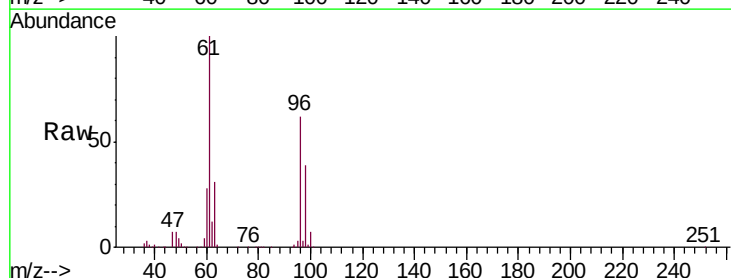
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031219

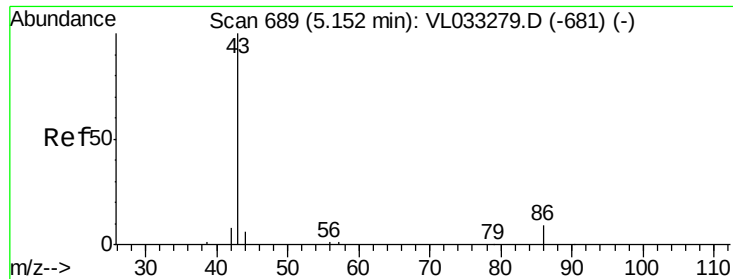
Tgt Ion: 41 Resp: 696402
 Ion Ratio Lower Upper
 41 100
 76 30.9 25.0 37.4
 39 80.5 64.2 96.4



#22
 trans-1,2-Dichloroethene
 Concen: 9.227 ppbv
 RT: 4.96 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

Tgt Ion: 96 Resp: 452692
 Ion Ratio Lower Upper
 96 100
 61 160.9 131.6 197.4
 98 62.4 54.1 81.1





#23

Vinyl Acetate

Concen: 9.909 ppbv

RT: 5.15 min Scan# 689

Delta R.T. -0.01 min

Lab File: VL033280.D

Acq: 12 Mar 2019 10:04

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031219

Tgt Ion: 43 Resp: 1730278

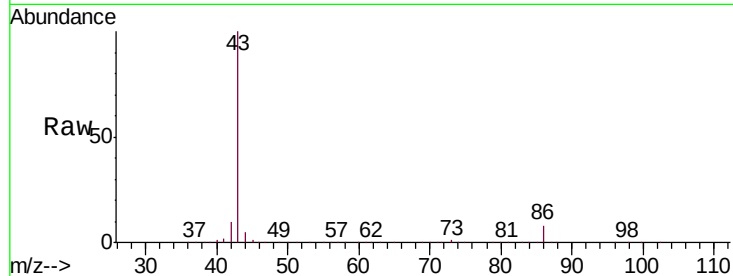
Ion Ratio Lower Upper

43 100

86 7.7 5.5 8.3

42 10.4 7.8 11.6

44 5.0 3.6 5.4

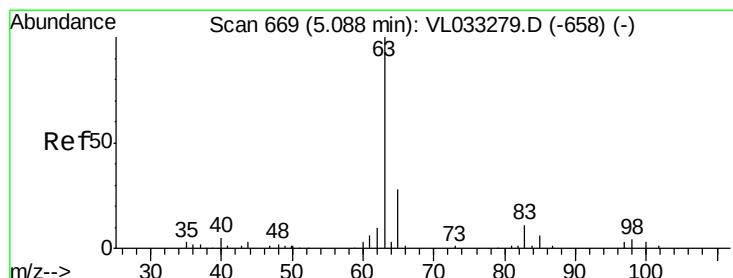
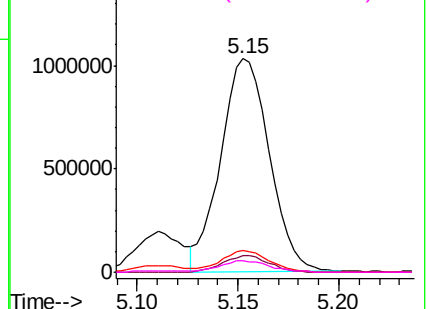
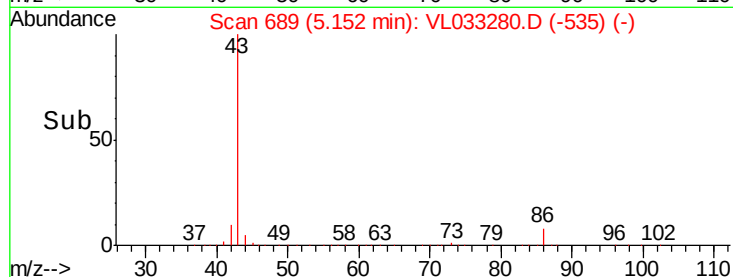


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.134 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033280.D

Acq: 12 Mar 2019 10:04

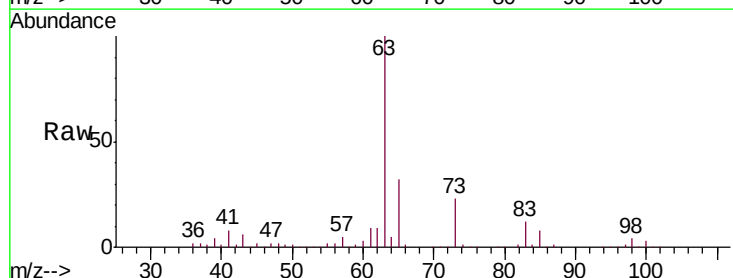
Tgt Ion: 63 Resp: 1156647

Ion Ratio Lower Upper

63 100

98 3.9 2.2 6.6

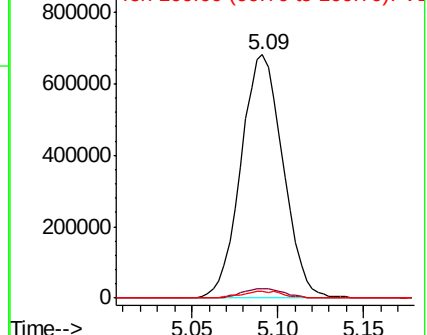
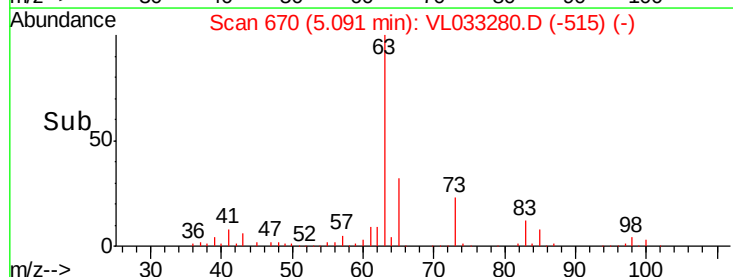
100 2.8 1.5 4.4

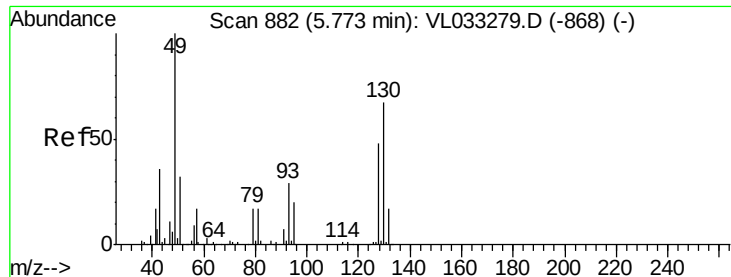


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



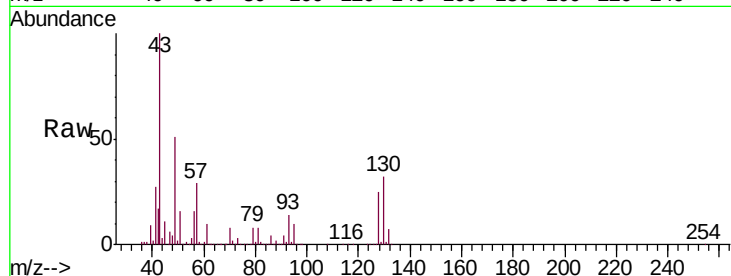


#25
Ethyl Acetate
Concen: 9.178 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.01 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031219

Tgt Ion: 43 Resp: 1970892

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	9.1	7.3	10.9
70	7.2	5.8	8.6



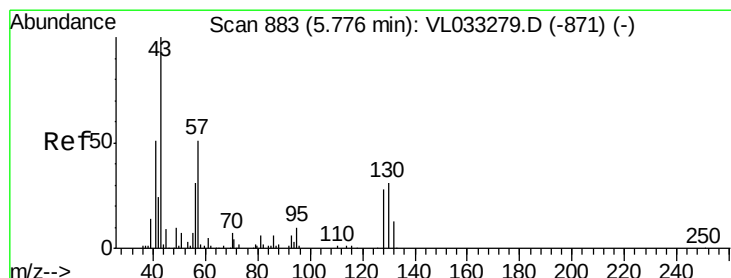
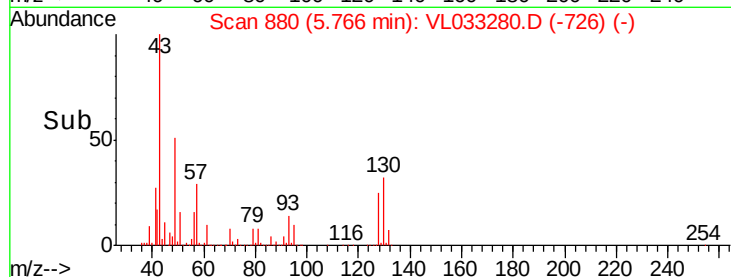
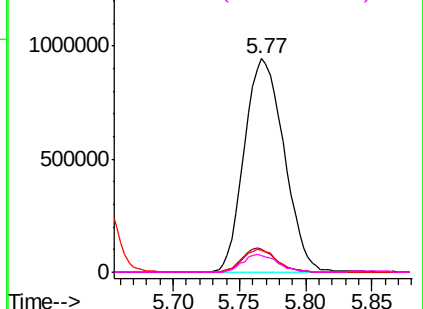
Abundance

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

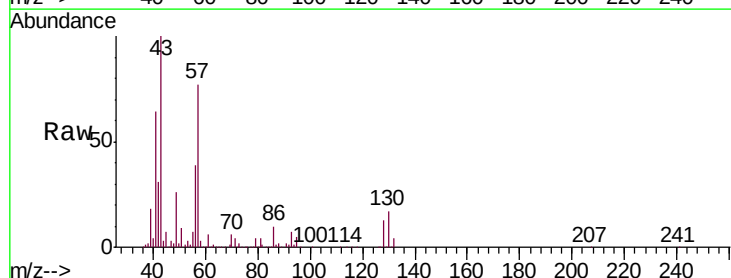
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.804 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

Tgt Ion: 57 Resp: 887427

Ion	Ratio	Lower	Upper
57	100		
41	89.2	70.7	106.1
43	223.6	178.6	267.8
56	52.8	41.3	61.9



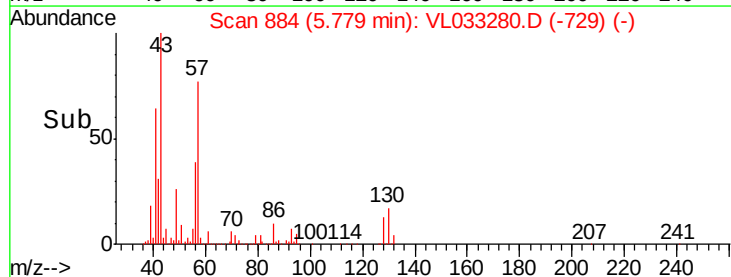
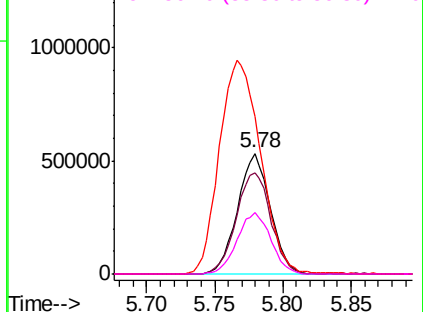
Abundance

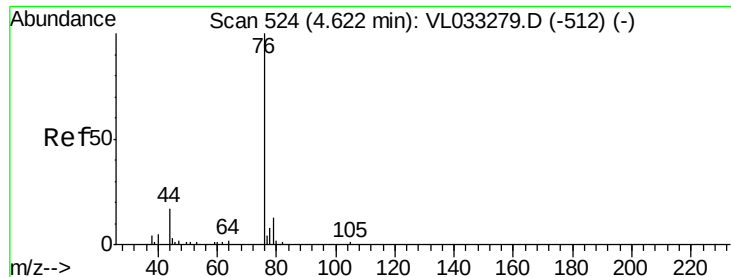
Ion 57.10 (56.80 to 57.80): VL0

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: 10.305 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033280.D

Acq: 12 Mar 2019 10:04

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031219

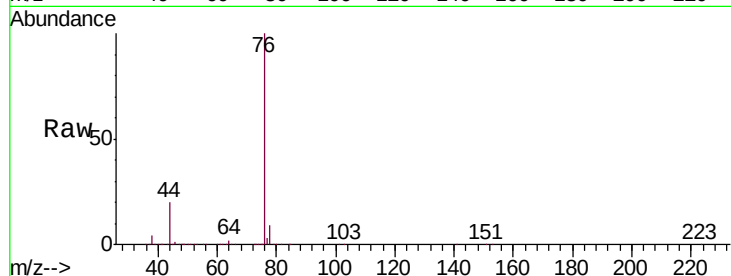
Tgt Ion: 76 Resp: 1102058

Ion Ratio Lower Upper

76 100

44 19.6 15.1 22.7

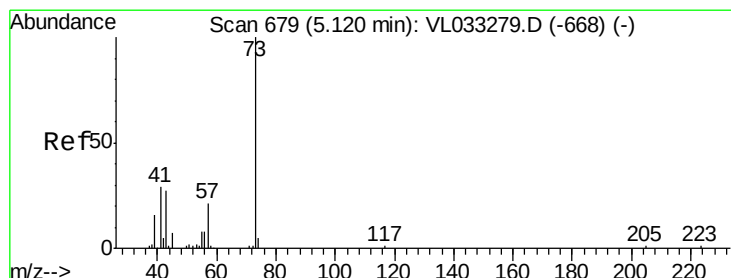
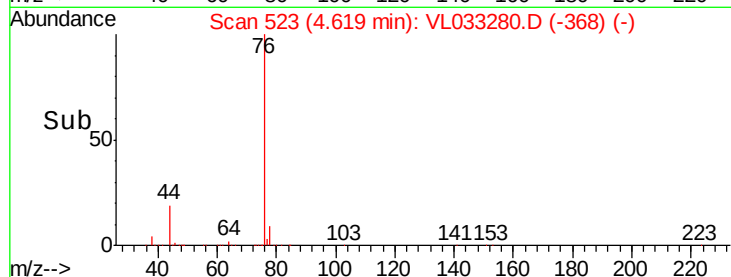
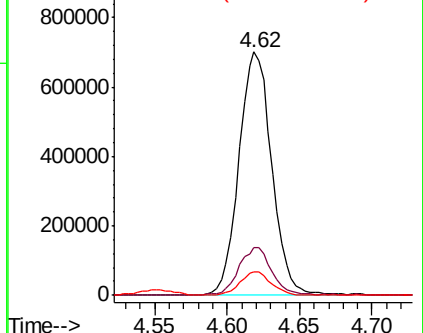
78 9.3 7.4 11.0



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: 9.570 ppbv

RT: 5.11 min Scan# 676

Delta R.T. 0.00 min

Lab File: VL033280.D

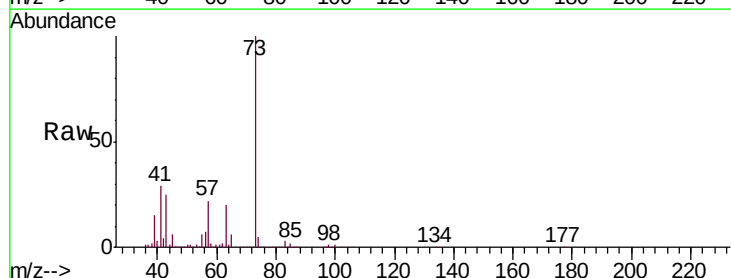
Acq: 12 Mar 2019 10:04

Tgt Ion: 73 Resp: 1368935

Ion Ratio Lower Upper

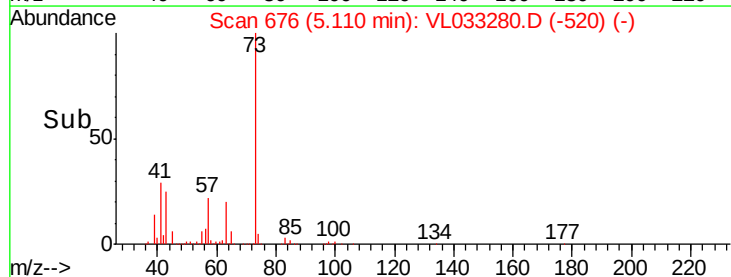
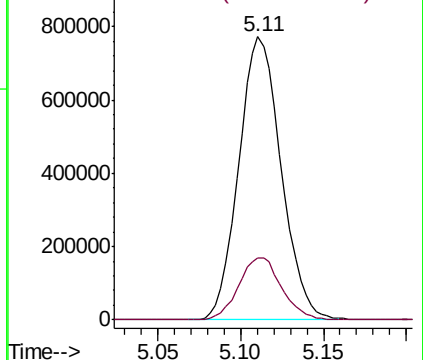
73 100

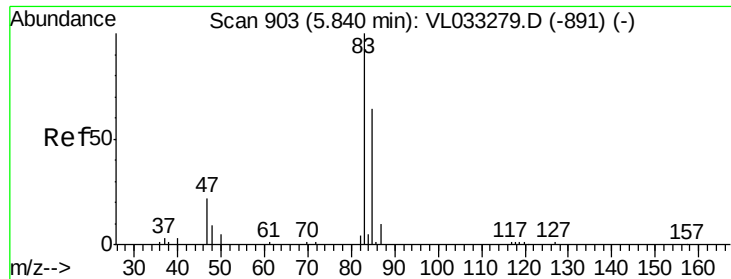
57 22.4 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

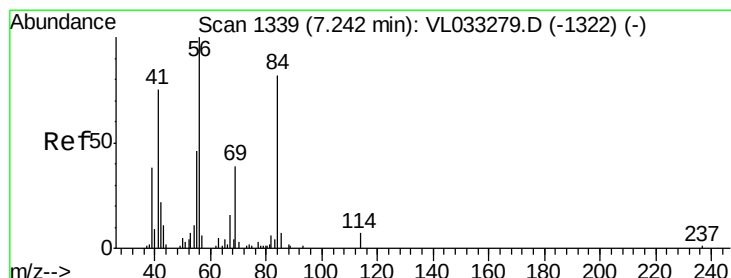
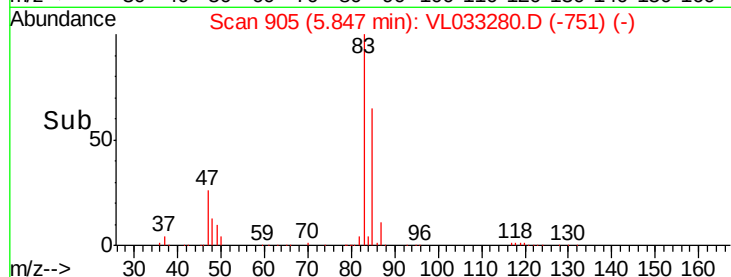
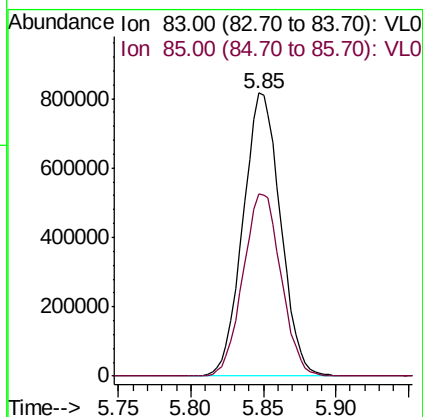
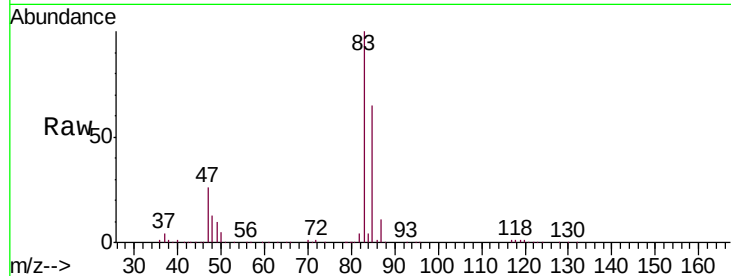




#29
Chloroform
Concen: 9.574 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

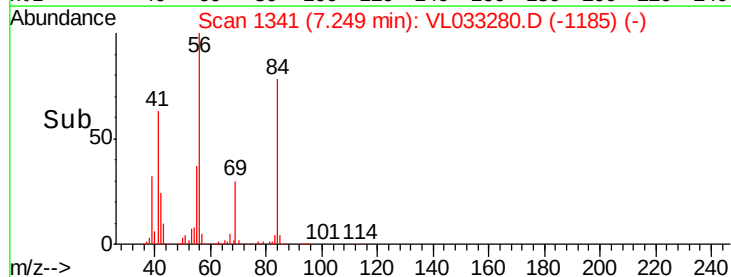
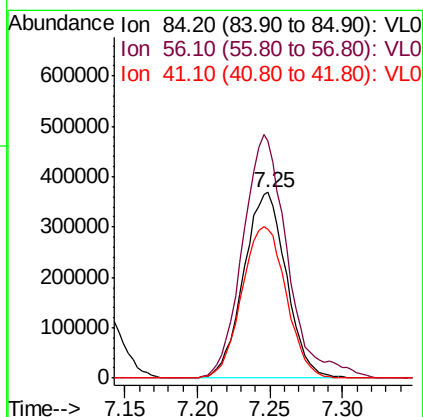
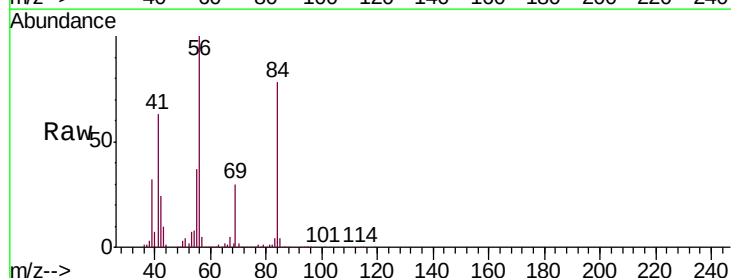
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031219

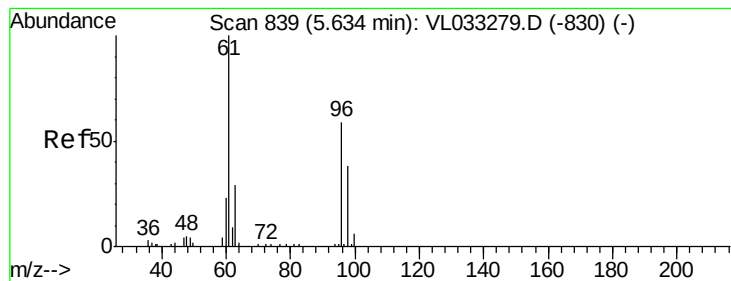
Tgt Ion: 83 Resp: 1468180
Ion Ratio Lower Upper
83 100
85 64.5 52.5 78.7



#30
Cyclohexane
Concen: 9.631 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

Tgt Ion: 84 Resp: 752650
Ion Ratio Lower Upper
84 100
56 138.3 112.0 168.0
41 85.0 69.9 104.9





#31

cis-1,2-Dichloroethene

Concen: 9.602 ppbv

RT: 5.64 min Scan# 841

Delta R.T. -0.00 min

Lab File: VL033280.D

Acq: 12 Mar 2019 10:04

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031219

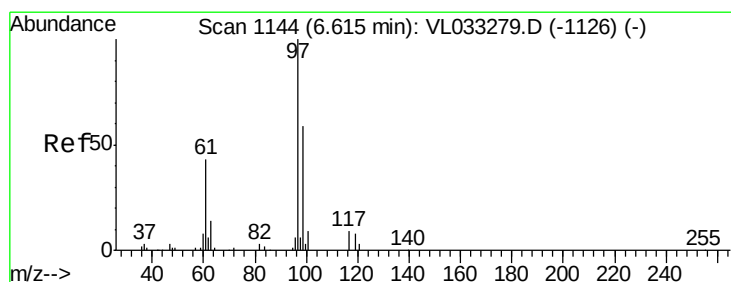
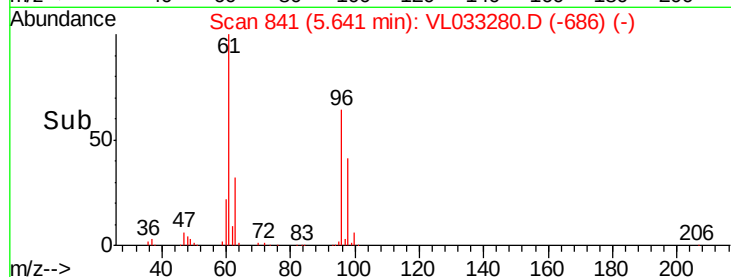
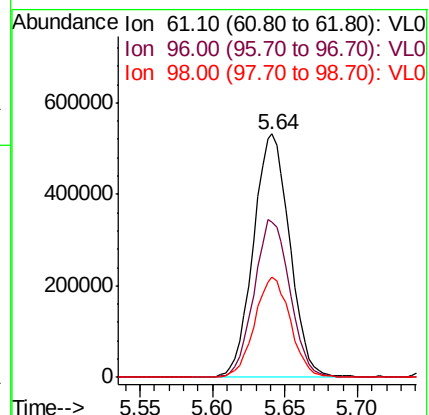
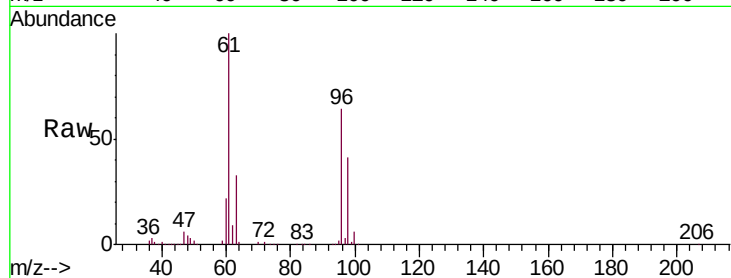
Tgt Ion: 61 Resp: 927816

Ion Ratio Lower Upper

61 100

96 63.8 51.8 77.8

98 41.4 32.9 49.3



#32

1,1,1-Trichloroethane

Concen: 9.621 ppbv

RT: 6.62 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VL033280.D

Acq: 12 Mar 2019 10:04

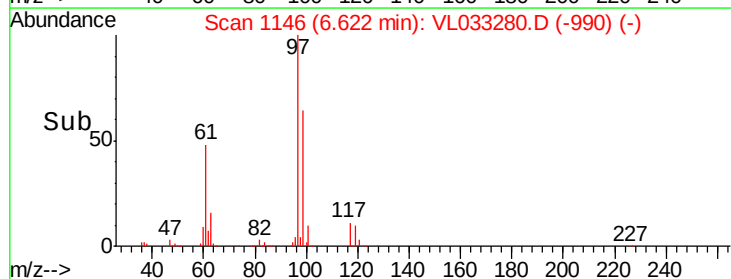
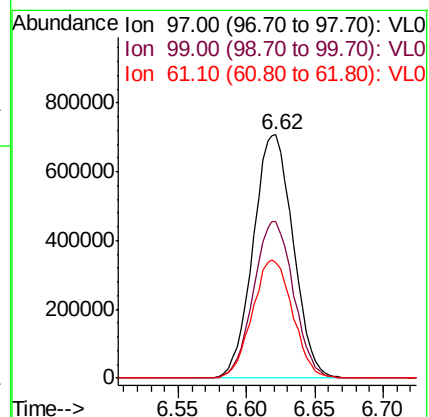
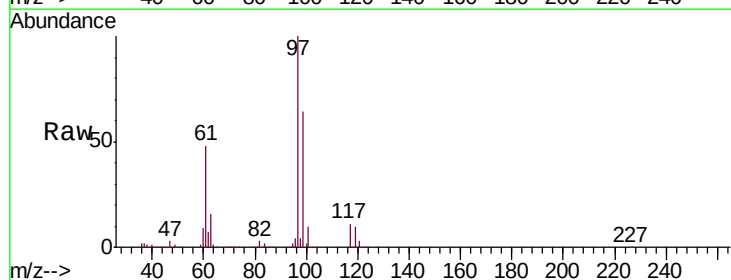
Tgt Ion: 97 Resp: 1437635

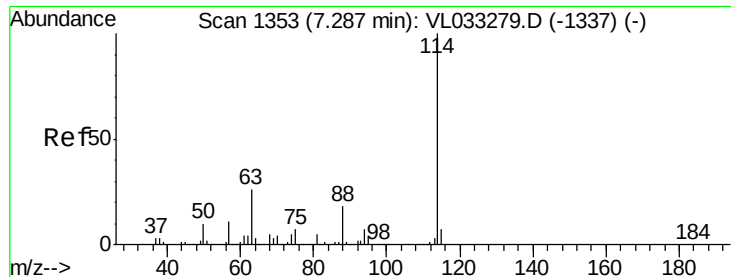
Ion Ratio Lower Upper

97 100

99 64.2 51.7 77.5

61 49.0 39.7 59.5

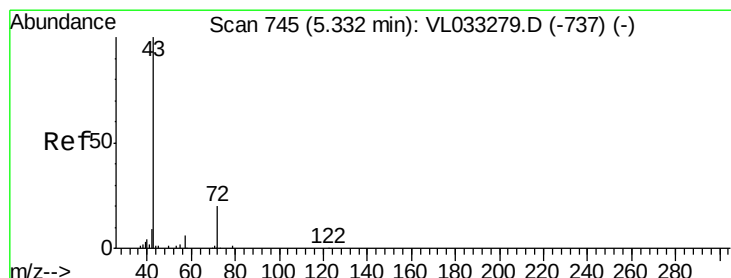
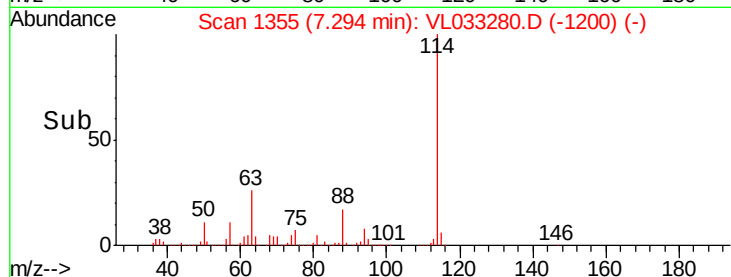
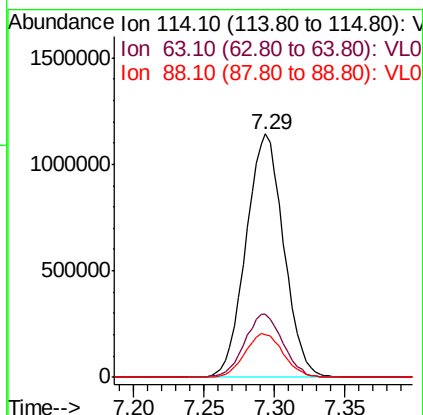
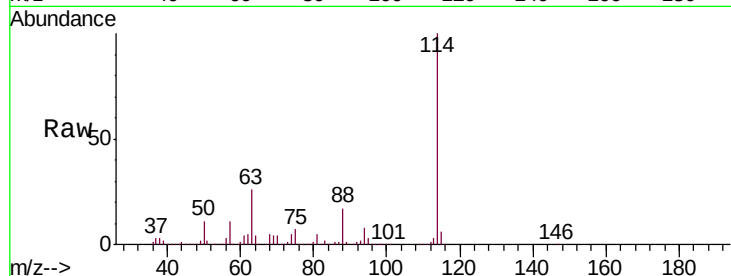




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.00 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

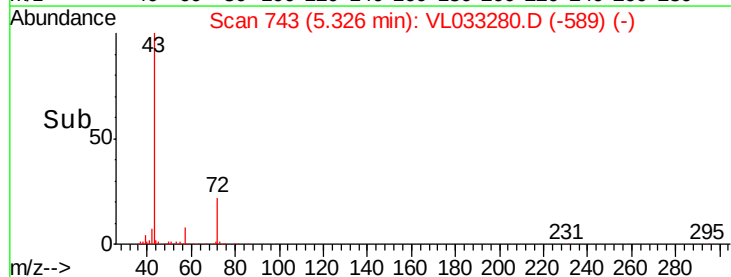
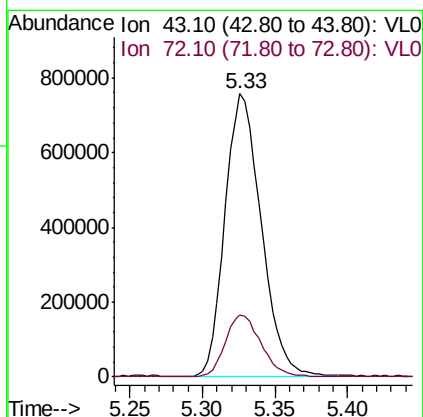
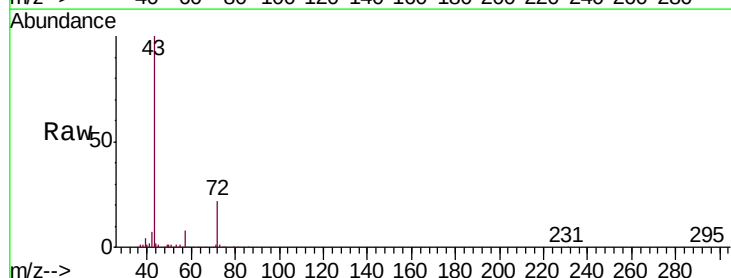
Instrument :
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 ClientSampleId :
 ICVVL031219

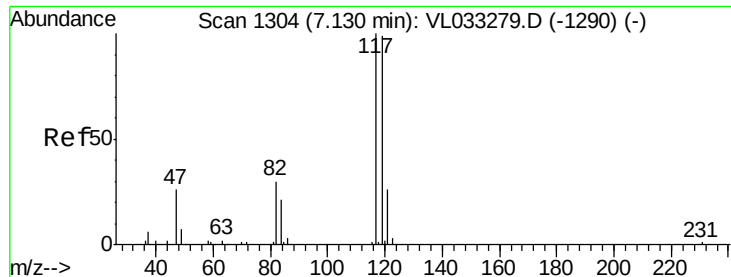
Tgt Ion:114 Resp: 2139836
 Ion Ratio Lower Upper
 114 100
 63 26.7 21.5 32.3
 88 18.3 14.6 22.0



#34
 2-Butanone
 Concen: 9.306 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. -0.01 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

Tgt Ion: 43 Resp: 1316837
 Ion Ratio Lower Upper
 43 100
 72 21.5 17.0 25.6

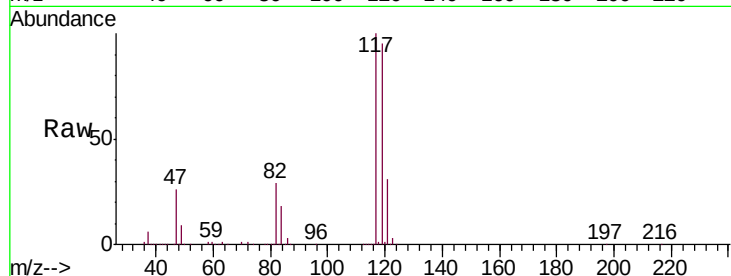




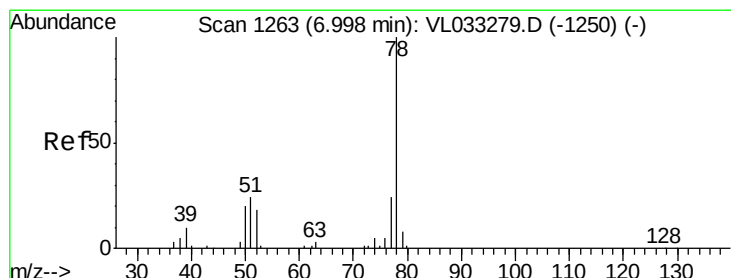
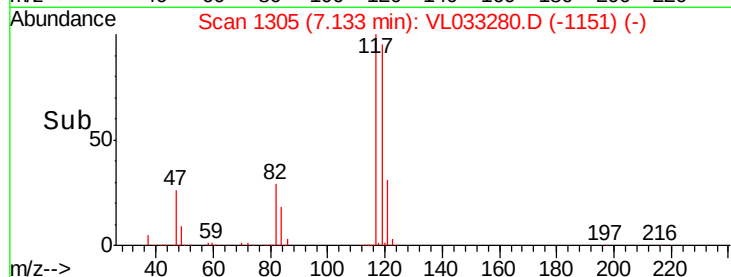
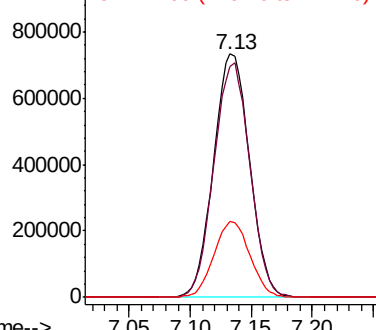
#35
Carbon Tetrachloride
Concen: 9.544 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031219

Tgt Ion: 117 Resp: 1492275
Ion Ratio Lower Upper
117 100
119 95.0 77.4 116.0
121 31.4 24.9 37.3

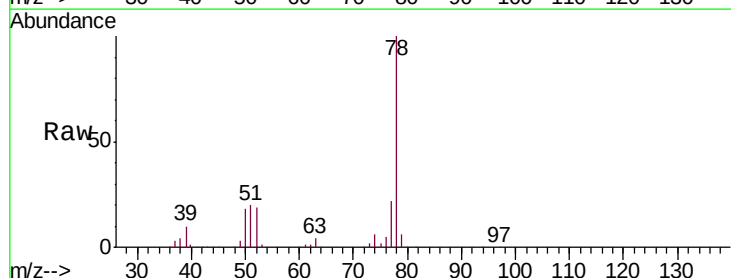


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

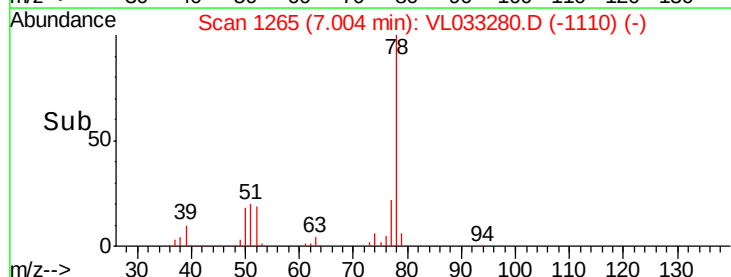
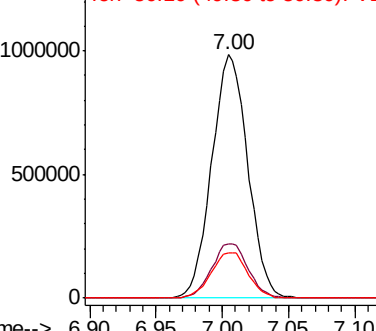


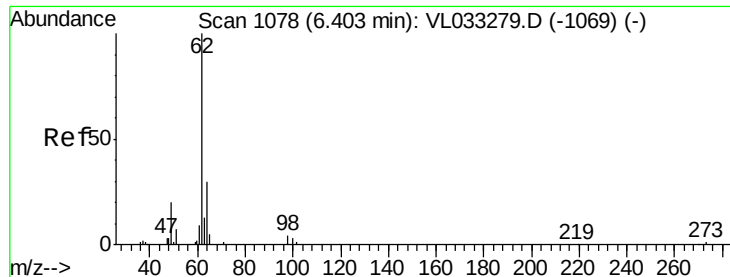
#36
Benzene
Concen: 9.409 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

Tgt Ion: 78 Resp: 1856800
Ion Ratio Lower Upper
78 100
77 22.4 17.7 26.5
50 18.5 15.7 23.5



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

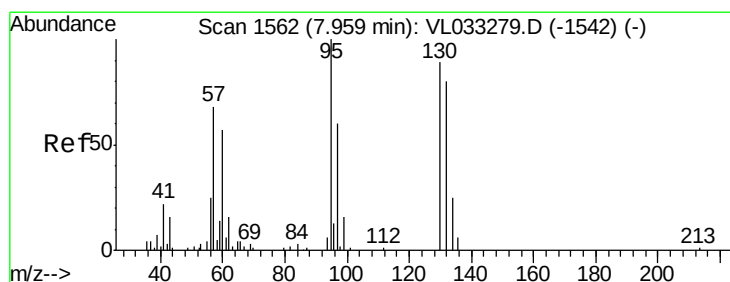
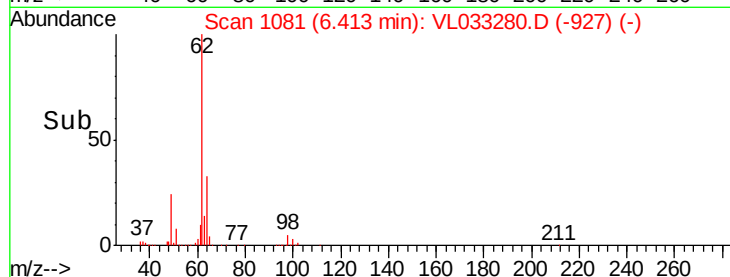
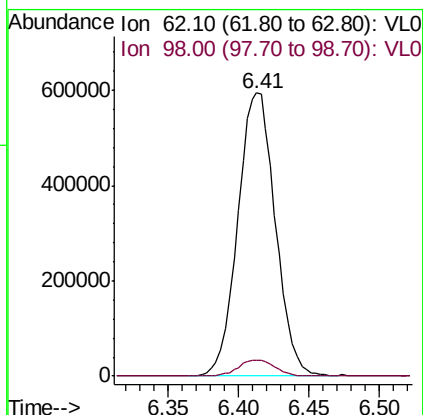
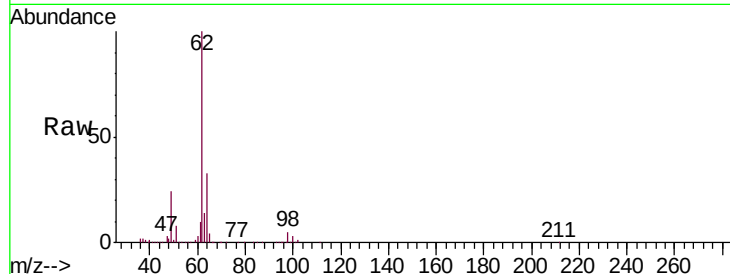




#37
 1,2-Dichloroethane
 Concen: 9.354 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. -0.01 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

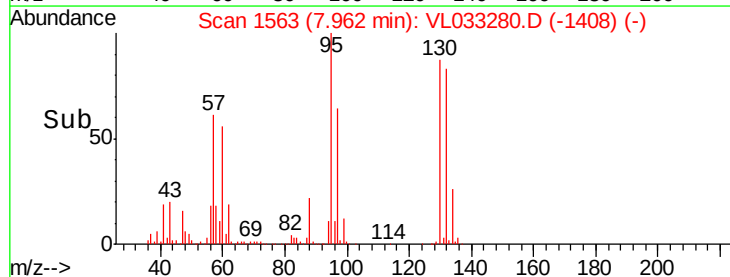
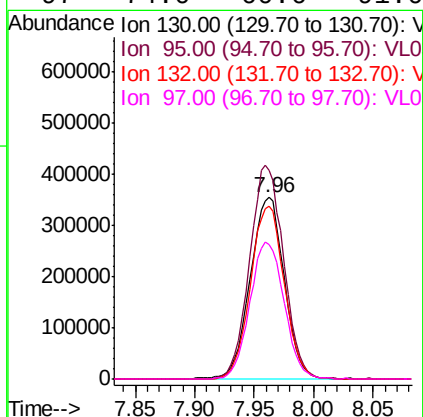
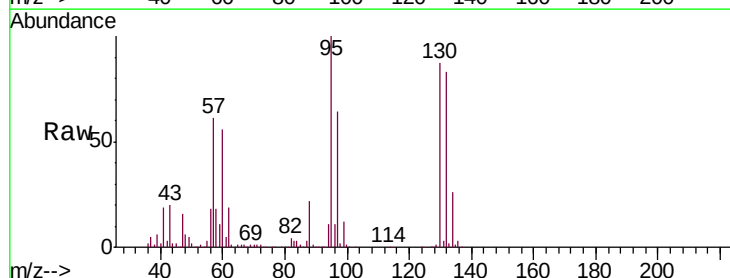
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031219

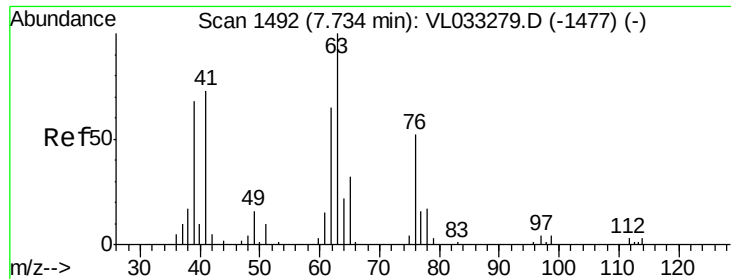
Tgt Ion: 62 Resp: 1107117
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.5 6.7



#38
 Trichloroethene
 Concen: 9.085 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

Tgt Ion: 130 Resp: 698860
 Ion Ratio Lower Upper
 130 100
 95 114.9 93.3 139.9
 132 94.9 75.4 113.2
 97 74.0 60.6 91.0

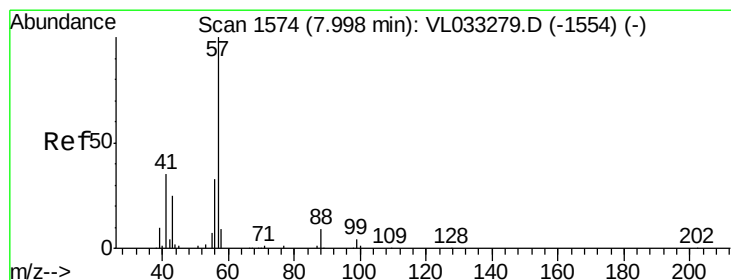
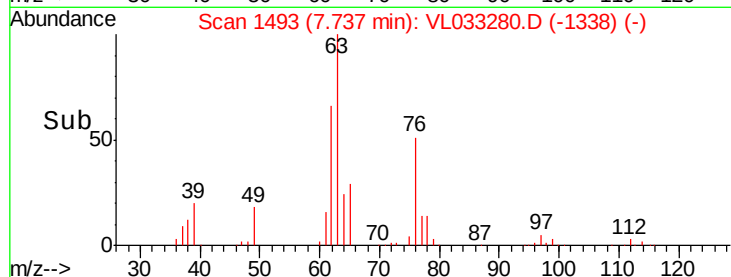
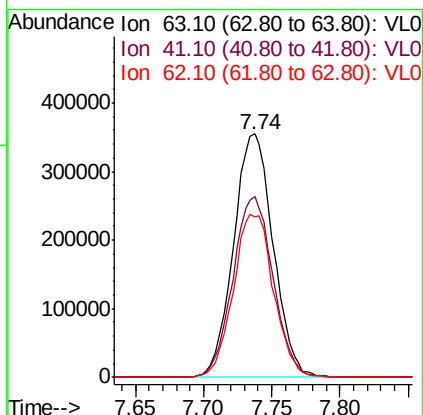
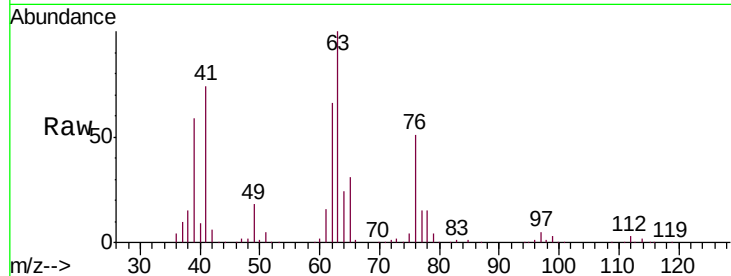




#39
 1,2-Dichloropropane
 Concen: 9.592 ppbv
 RT: 7.74 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

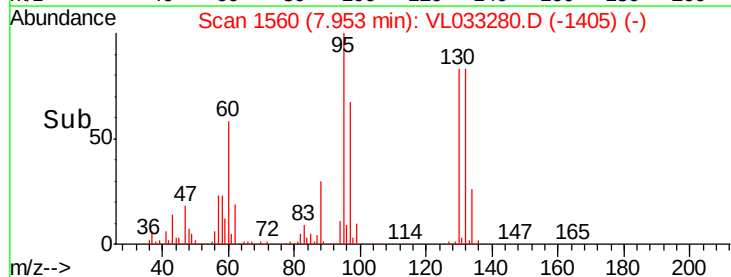
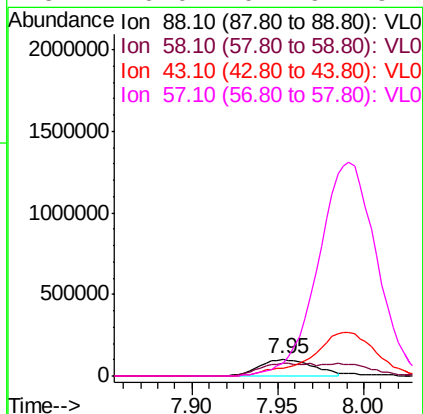
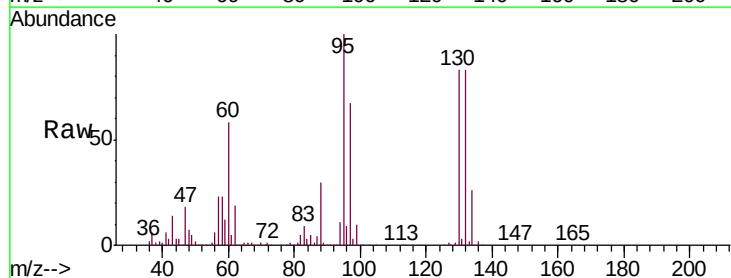
Instrument :
 MSVOA_L
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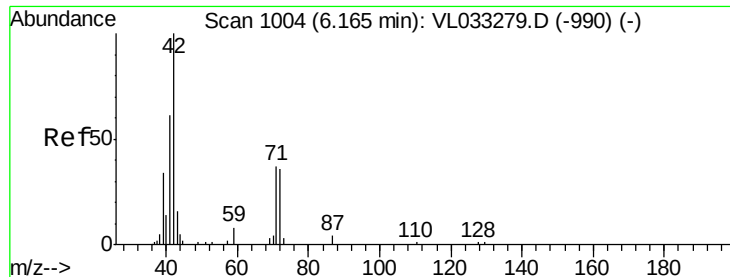
Tgt Ion: 63 Resp: 712359
 Ion Ratio Lower Upper
 63 100
 41 74.0 58.3 87.5
 62 66.0 55.3 82.9



#40
 1,4-Dioxane
 Concen: 8.049 ppbv
 RT: 7.95 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

Tgt Ion: 88 Resp: 224977
 Ion Ratio Lower Upper
 88 100
 58 144.0 107.0 160.6
 43 0.0 230.2 345.4#
 57 0.0 1014.9 1522.3#

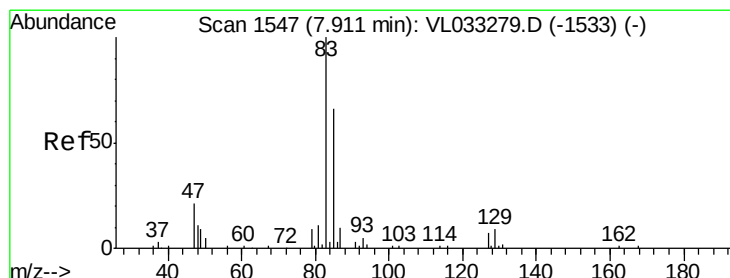
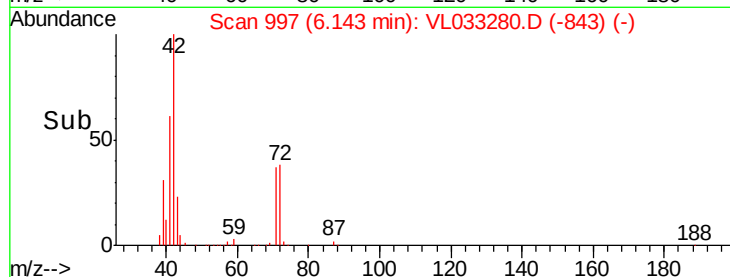
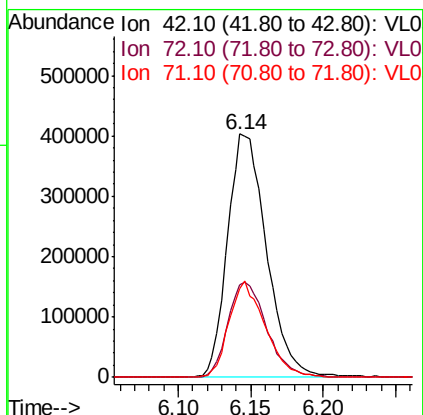
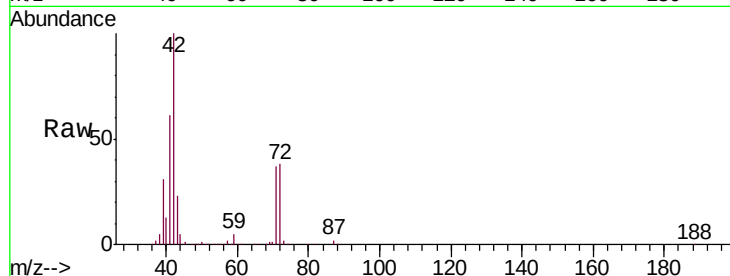




#41
Tetrahydrofuran
Concen: 9.572 ppbv
RT: 6.14 min Scan# 997
Delta R.T. -0.01 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

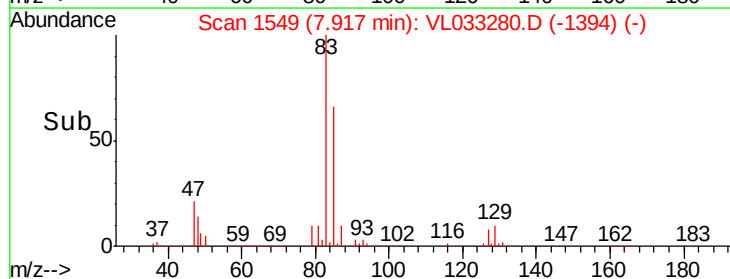
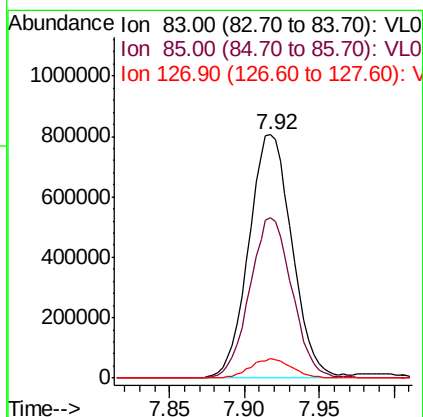
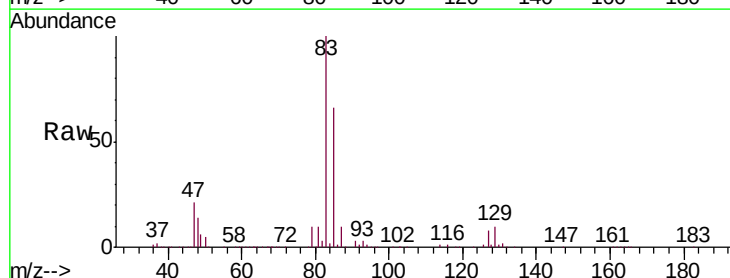
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031219

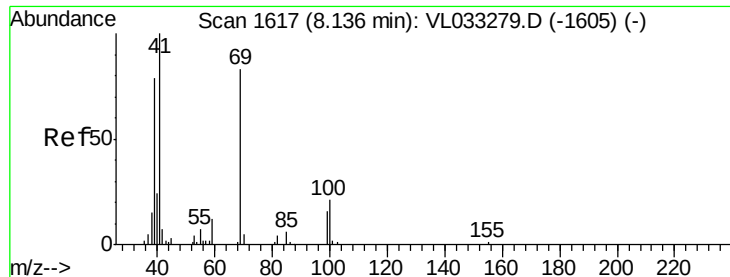
Tgt Ion: 42 Resp: 751942
Ion Ratio Lower Upper
42 100
72 39.2 30.6 46.0
71 36.9 29.7 44.5



#42
Bromodichloromethane
Concen: 9.906 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

Tgt Ion: 83 Resp: 1614215
Ion Ratio Lower Upper
83 100
85 65.7 51.0 76.4
127 7.8 6.0 9.0

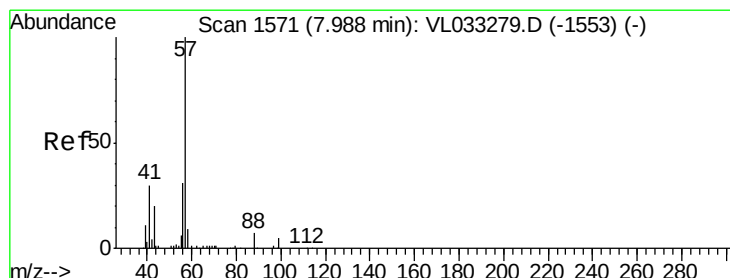
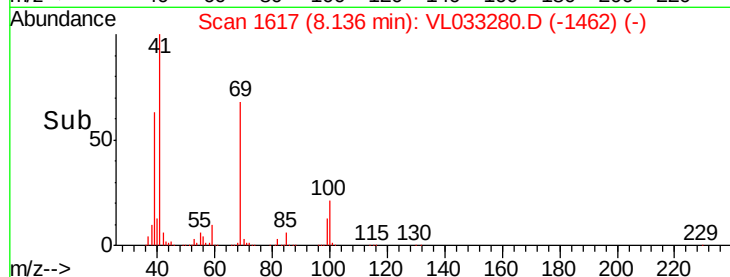
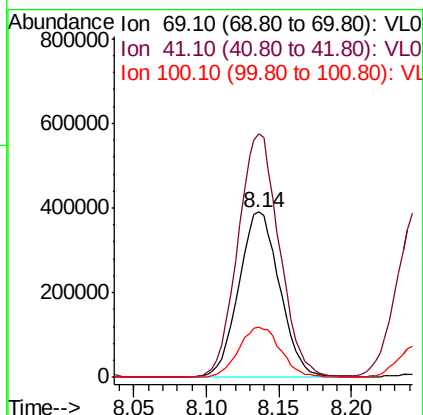
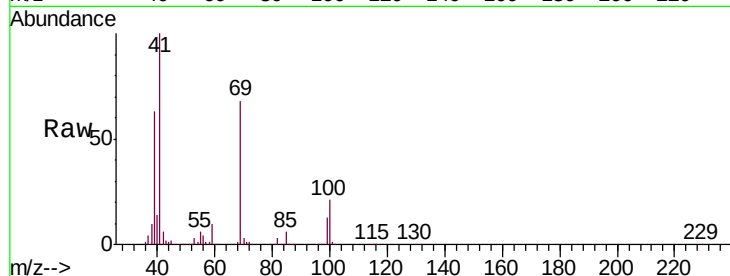




#43
Methyl Methacrylate
Concen: 9.983 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

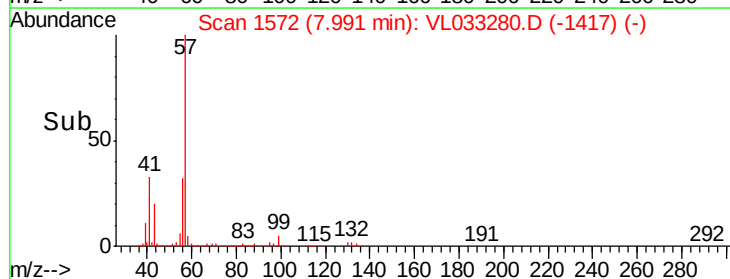
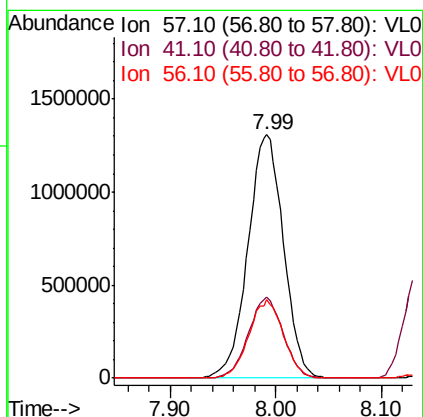
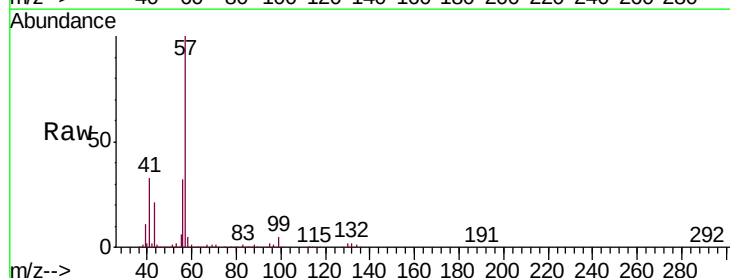
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031219

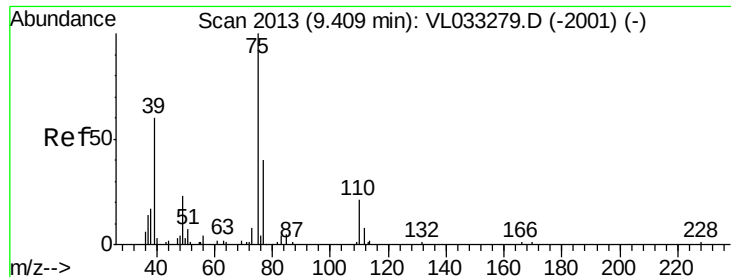
Tgt Ion: 69 Resp: 767908
Ion Ratio Lower Upper
69 100
41 148.3 121.0 181.4
100 31.0 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 9.176 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

Tgt Ion: 57 Resp: 3075963
Ion Ratio Lower Upper
57 100
41 32.4 26.2 39.2
56 31.2 24.8 37.2

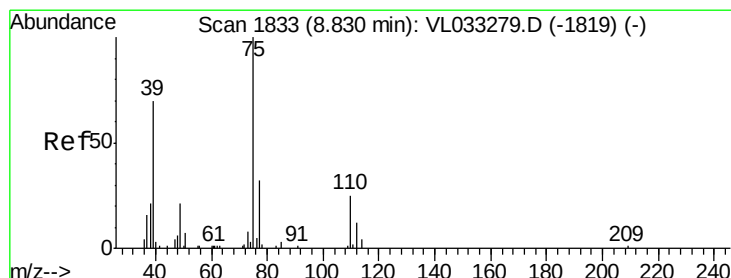
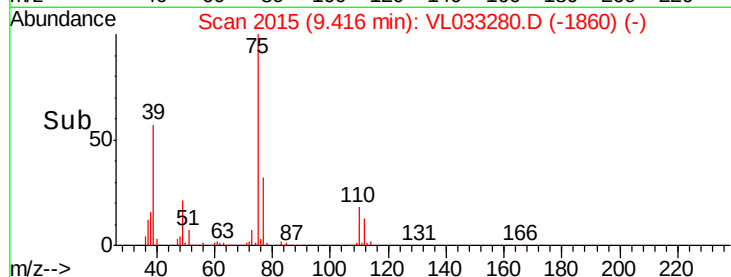
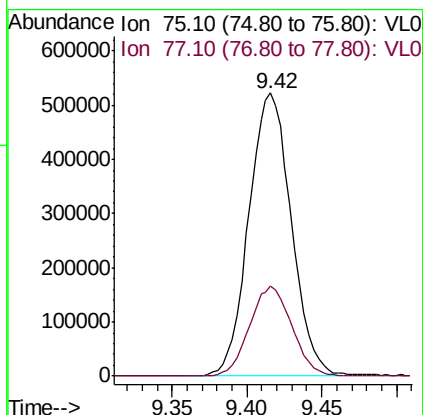
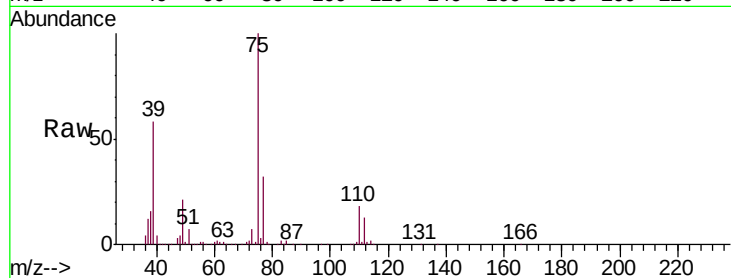




#45
 t-1,3-Dichloropropene
 Concen: 10.870 ppbv
 RT: 9.42 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

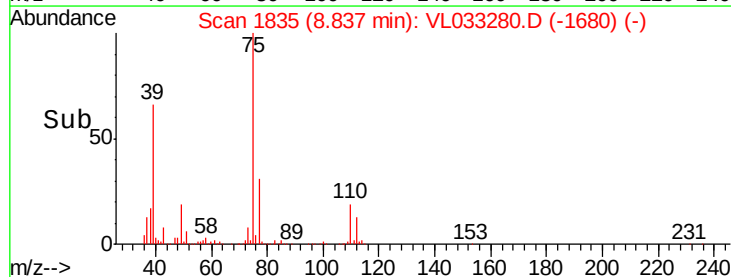
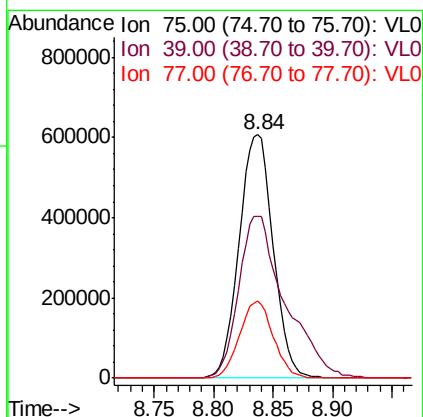
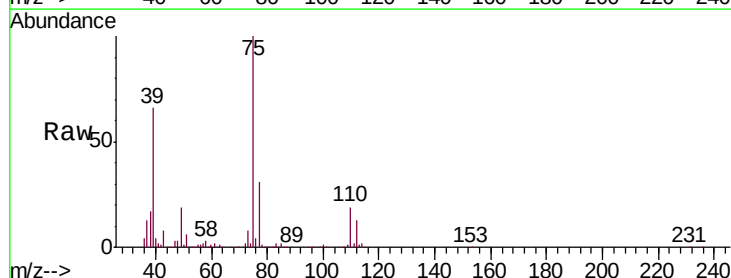
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031219

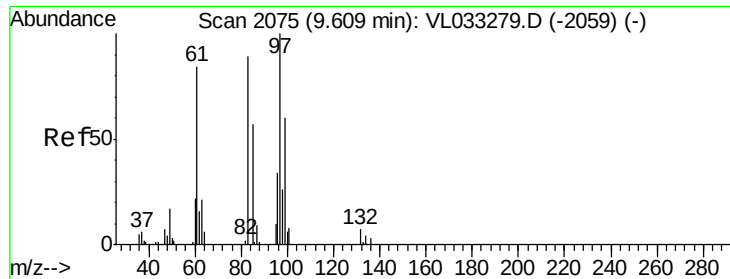
Tgt Ion: 75 Resp: 1027856
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.4 36.6



#46
 cis-1,3-Dichloropropene
 Concen: 10.872 ppbv
 RT: 8.84 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

Tgt Ion: 75 Resp: 1204993
 Ion Ratio Lower Upper
 75 100
 39 66.3 54.2 81.2
 77 31.5 24.5 36.7

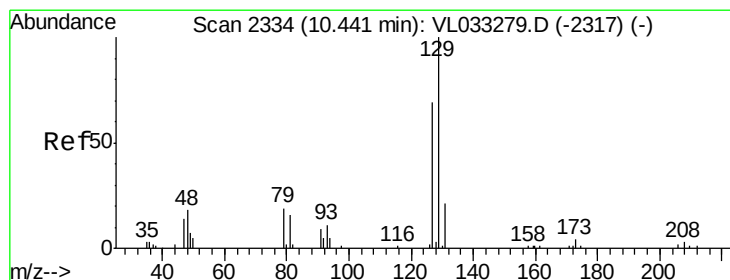
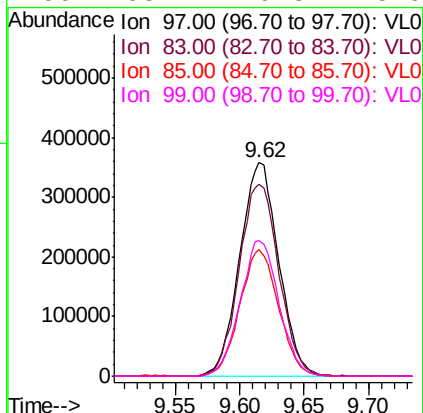
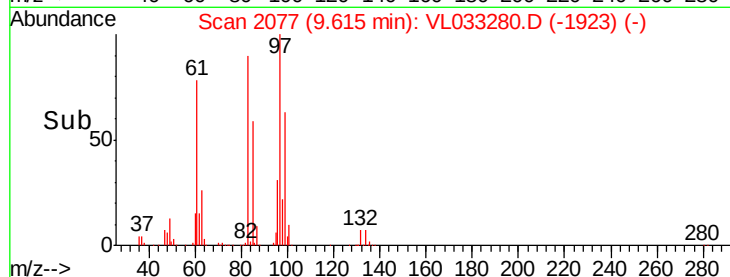
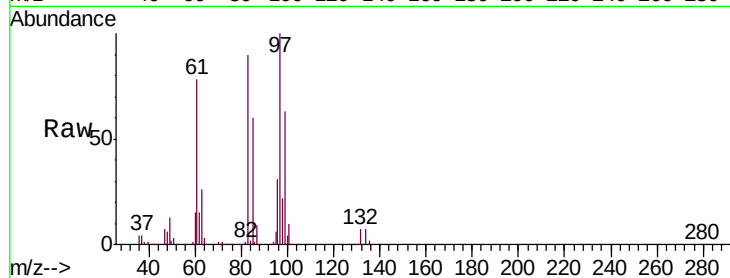




#47
 1,1,2-Trichloroethane
 Concen: 9.497 ppbv
 RT: 9.62 min Scan# 2077
 Delta R.T. -0.01 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

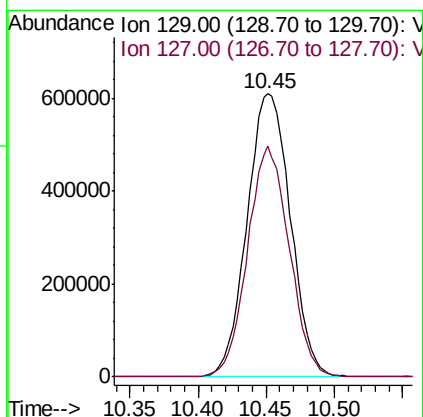
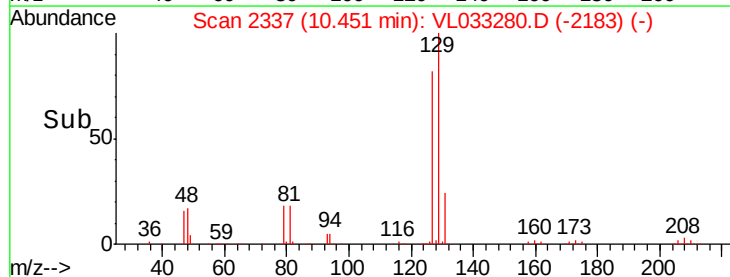
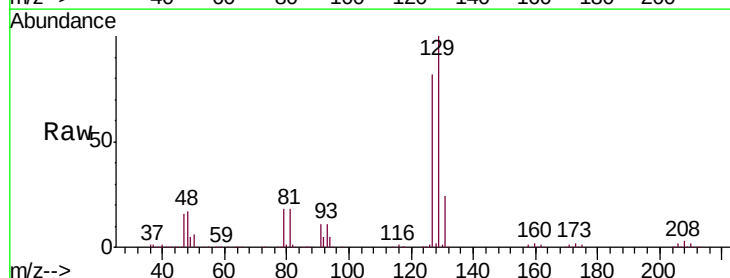
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031219

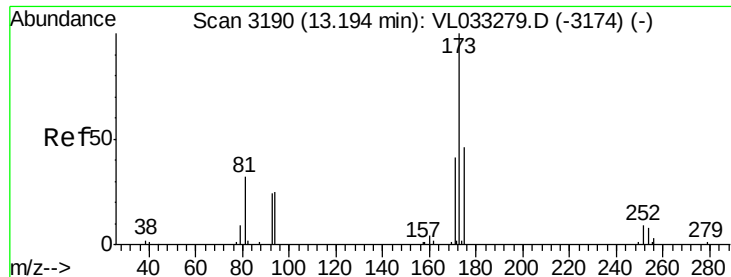
Tgt Ion: 97 Resp: 753108
 Ion Ratio Lower Upper
 97 100
 83 90.1 71.0 106.4
 85 59.4 48.2 72.4
 99 63.4 49.3 73.9



#48
 Dibromochloromethane
 Concen: 10.358 ppbv
 RT: 10.45 min Scan# 2337
 Delta R.T. -0.01 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

Tgt Ion: 129 Resp: 1346820
 Ion Ratio Lower Upper
 129 100
 127 78.5 38.9 116.6





#49

Bromoform

Concen: 11.236 ppbv

RT: 13.20 min Scan# 3193

Delta R.T. -0.00 min

Lab File: VL033280.D

Acq: 12 Mar 2019 10:04

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031219

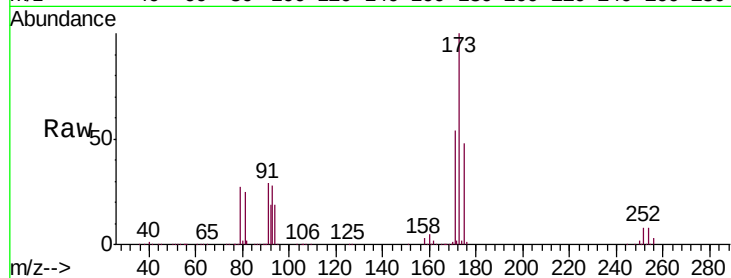
Tgt Ion:173 Resp: 1184123

Ion Ratio Lower Upper

173 100

175 48.1 39.0 58.6

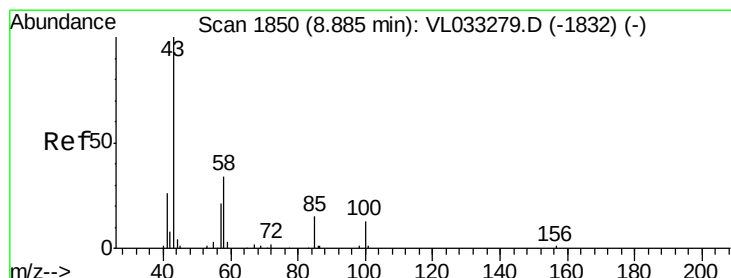
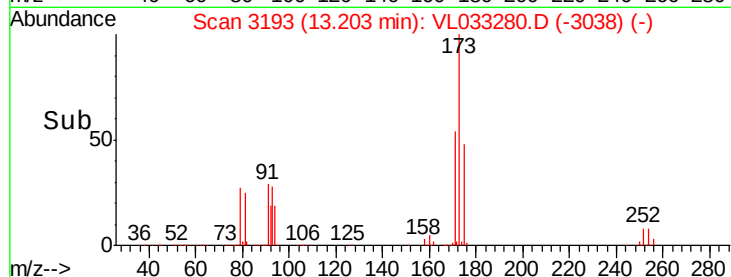
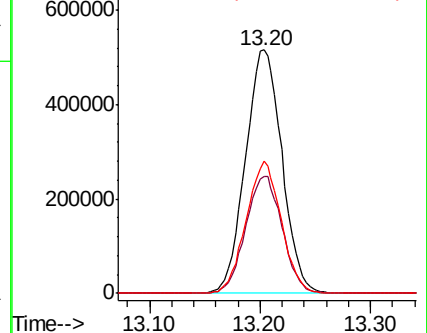
171 52.1 41.2 61.8



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: 9.668 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. -0.00 min

Lab File: VL033280.D

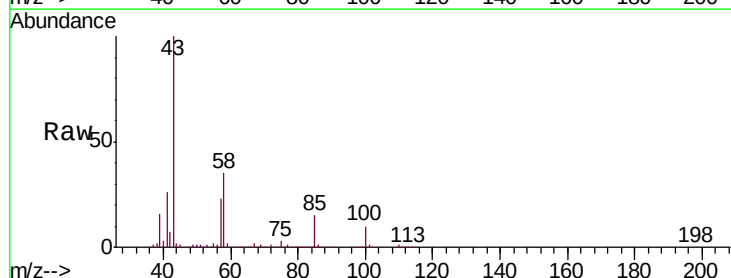
Acq: 12 Mar 2019 10:04

Tgt Ion: 43 Resp: 1952355

Ion Ratio Lower Upper

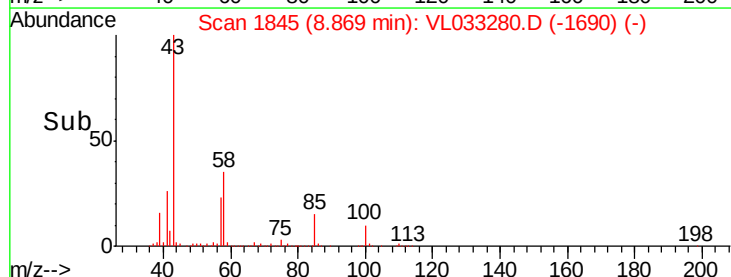
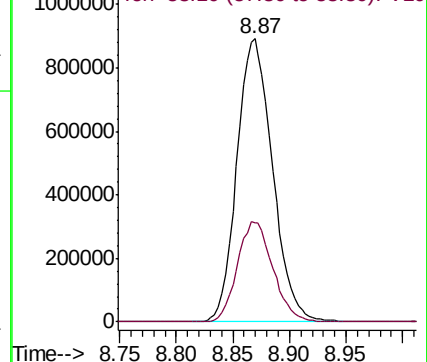
43 100

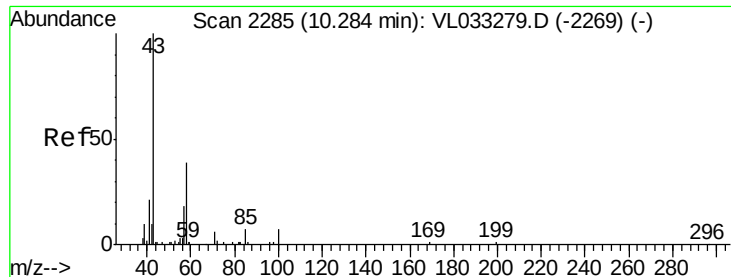
58 35.4 28.0 42.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

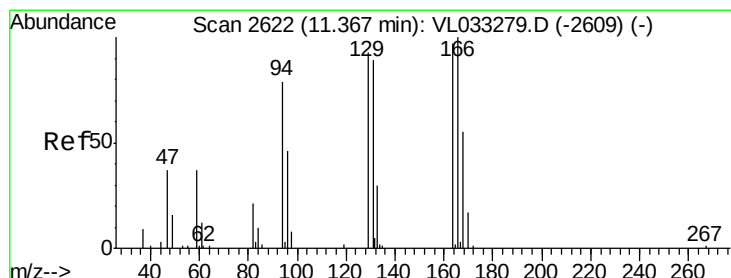
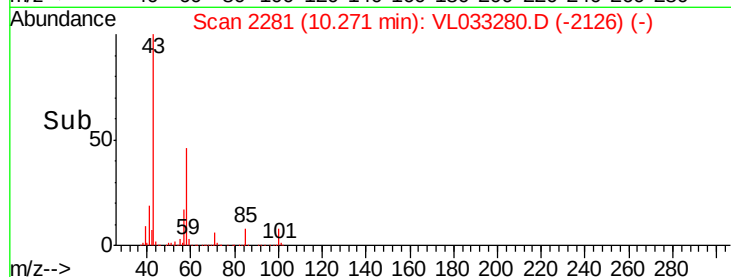
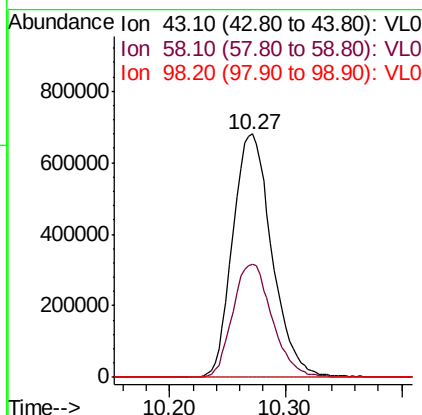
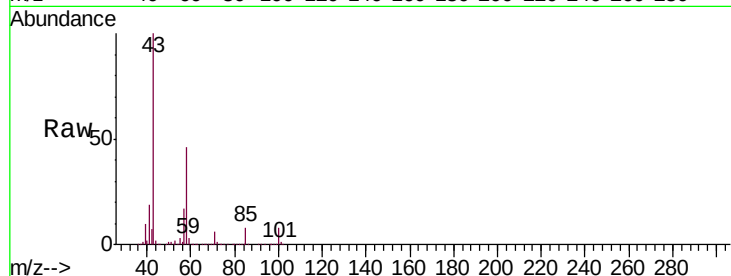




#51
2-Hexanone
Concen: 10.326 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

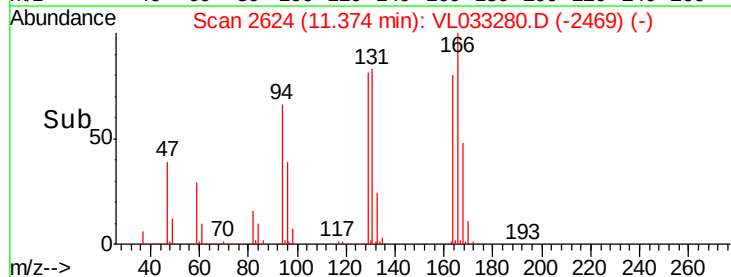
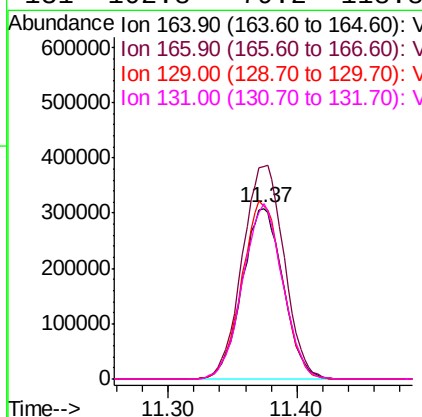
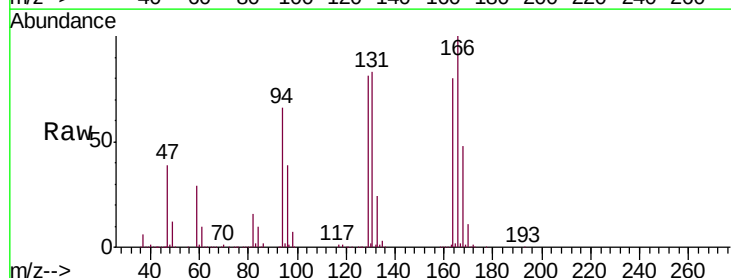
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031219

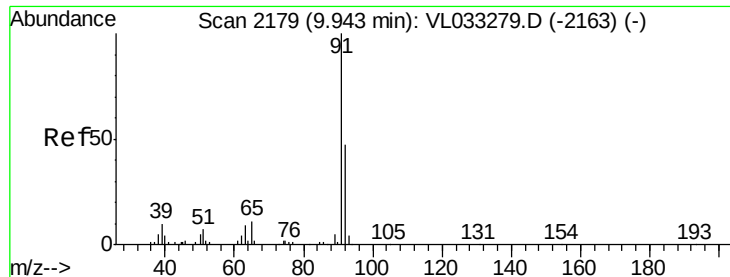
Tgt Ion: 43 Resp: 1591787
Ion Ratio Lower Upper
43 100
58 47.0 38.1 57.1
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 9.419 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

Tgt Ion: 164 Resp: 681365
Ion Ratio Lower Upper
164 100
166 124.5 100.8 151.2
129 101.2 80.6 121.0
131 102.8 79.2 118.8





#53

Toluene

Concen: 9.876 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL033280.D

Acq: 12 Mar 2019 10:04

Instrument :

MSVOA_L

ClientSampleId :

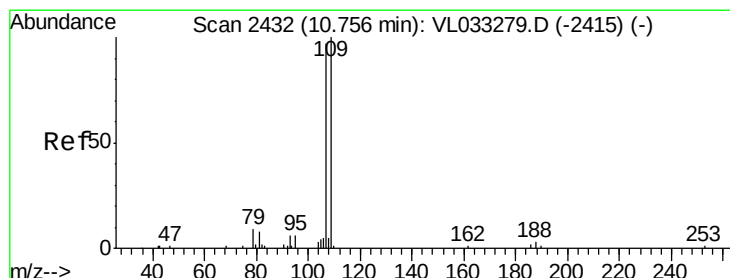
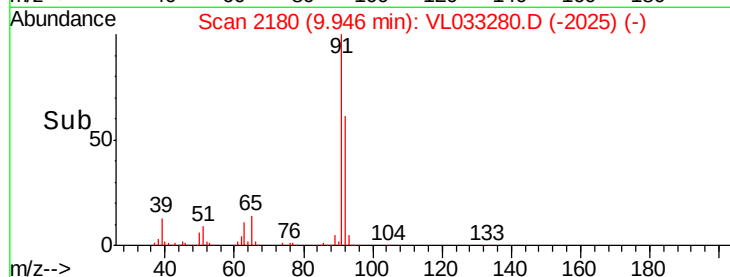
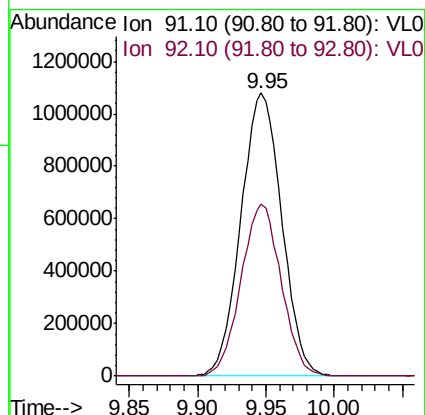
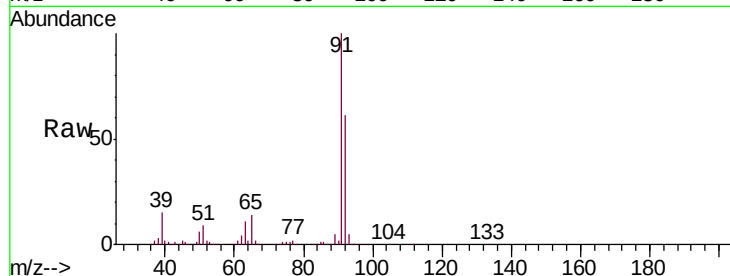
ICVVL031219

Tgt Ion: 91 Resp: 2246585

Ion Ratio Lower Upper

91 100

92 59.9 47.8 71.8



#54

1,2-Dibromoethane

Concen: 9.971 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL033280.D

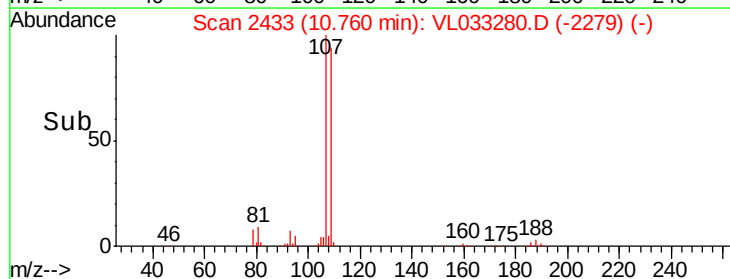
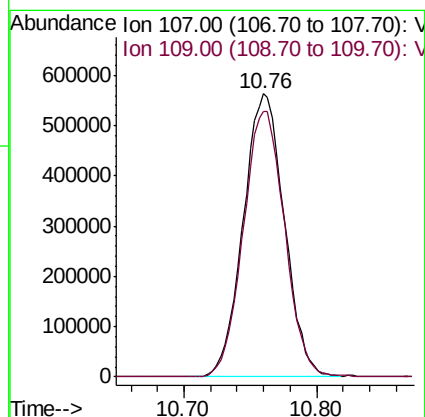
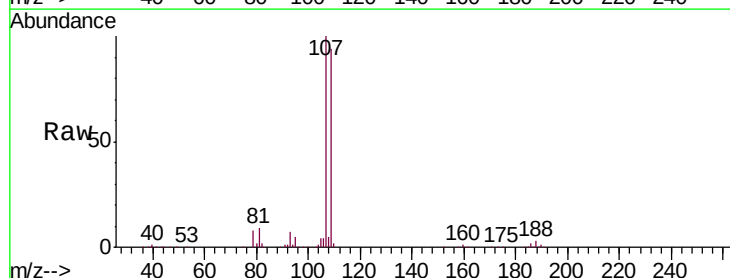
Acq: 12 Mar 2019 10:04

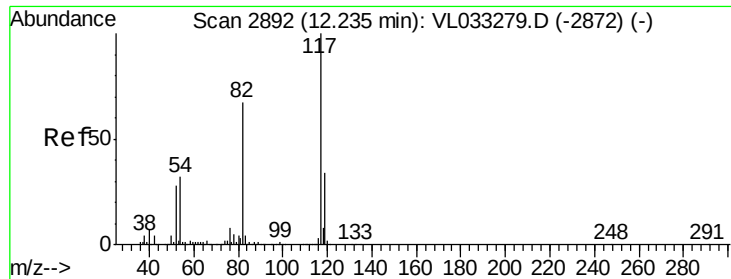
Tgt Ion: 107 Resp: 1215340

Ion Ratio Lower Upper

107 100

109 93.8 74.2 111.2

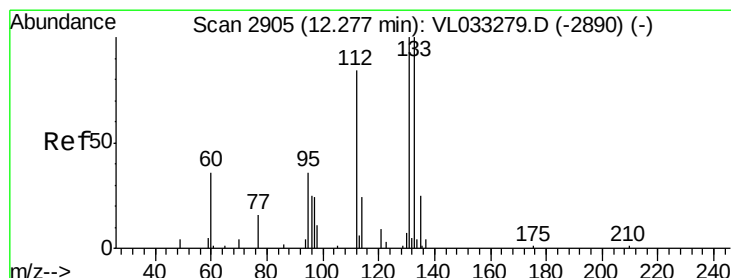
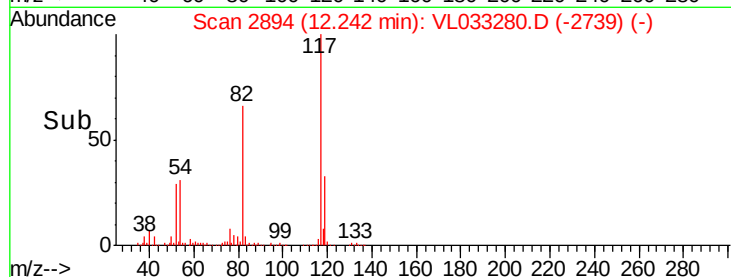
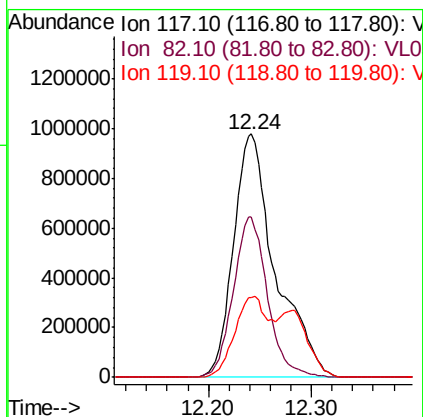
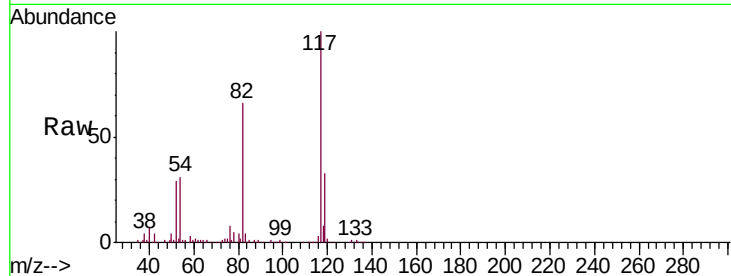




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

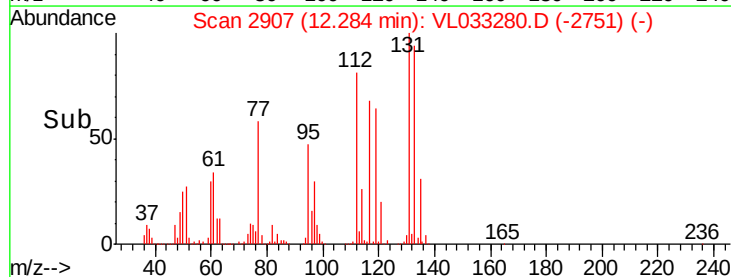
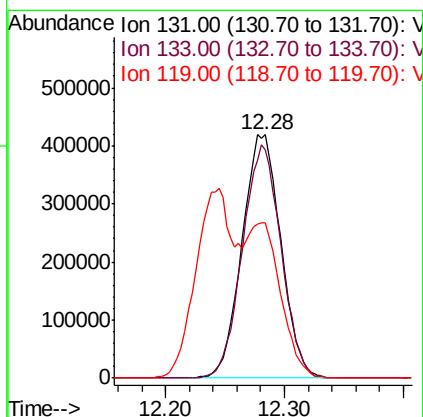
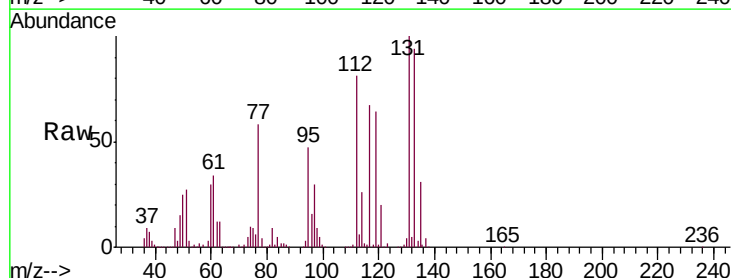
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031219

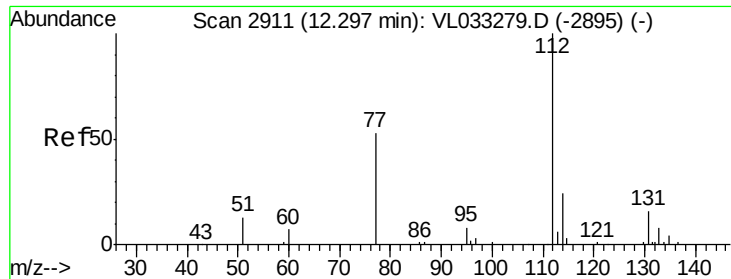
Tgt Ion:117 Resp: 2769250
Ion Ratio Lower Upper
117 100
82 53.8 51.1 76.7
119 25.8 43.6 65.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.033 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

Tgt Ion:131 Resp: 945580
Ion Ratio Lower Upper
131 100
133 95.3 76.2 114.4
119 55.5 110.3 165.5#

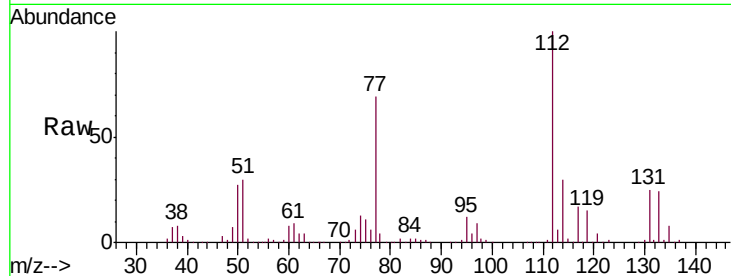




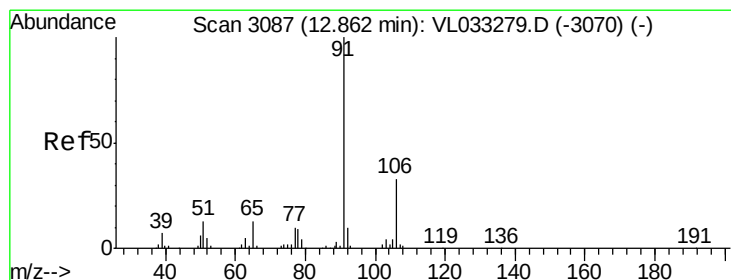
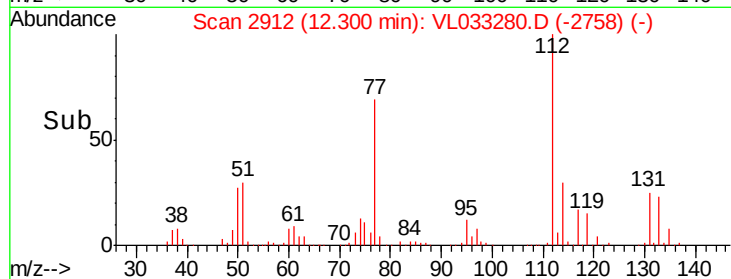
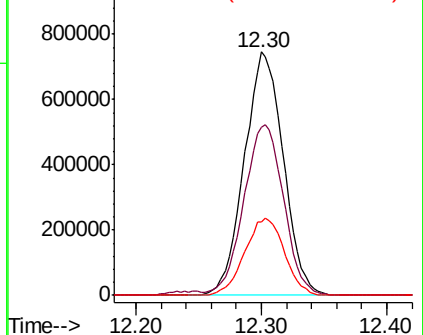
#57
Chlorobenzene
Concen: 7.722 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031219

Tgt Ion: 112 Resp: 1612625
Ion Ratio Lower Upper
112 100
77 69.0 55.8 83.8
114 30.2 29.5 36.1

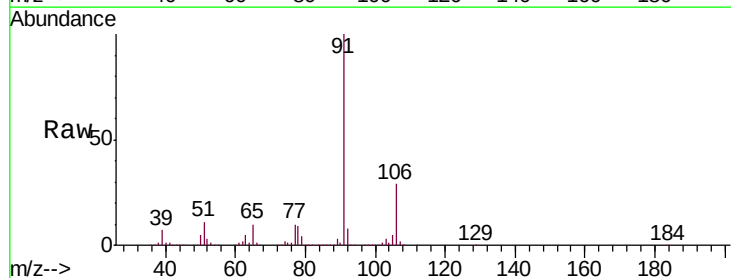


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

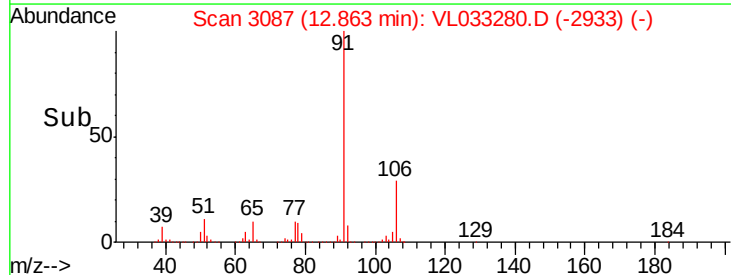
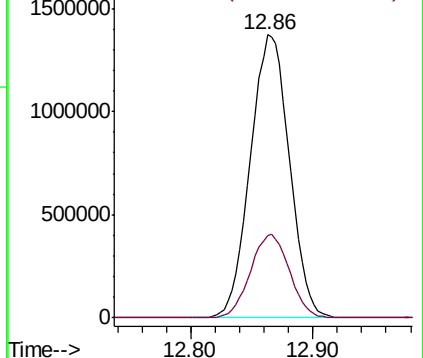


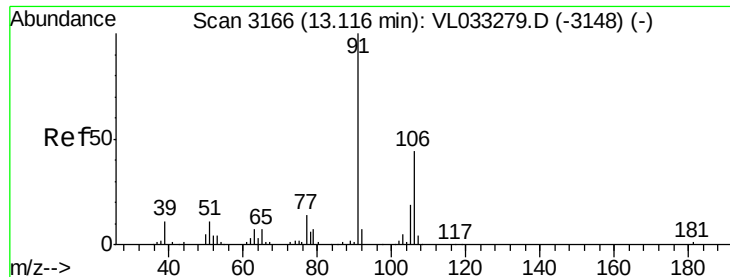
#58
Ethyl Benzene
Concen: 7.984 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

Tgt Ion: 91 Resp: 3038532
Ion Ratio Lower Upper
91 100
106 28.9 22.5 33.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

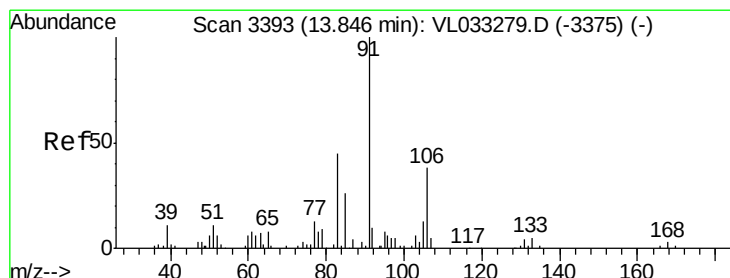
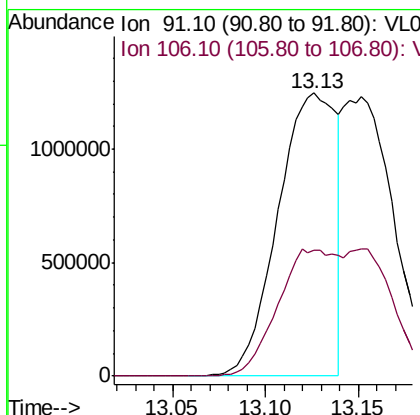
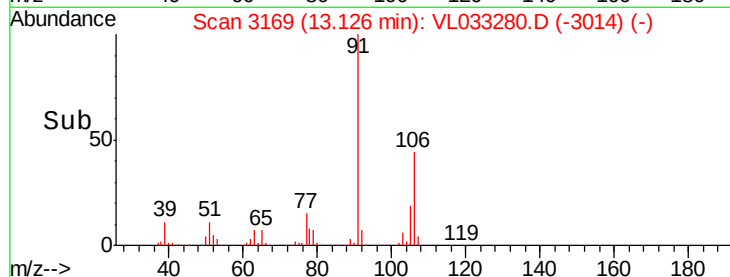
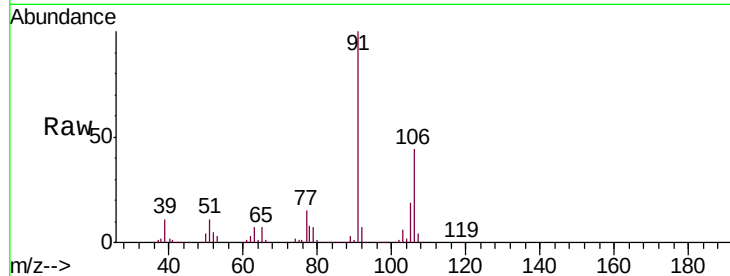




#59
m/p-Xylene
Concen: 8.493 ppbv
RT: 13.13 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

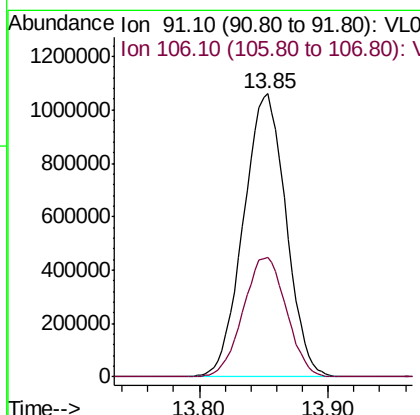
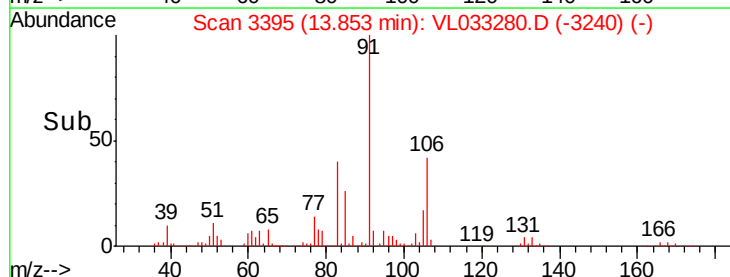
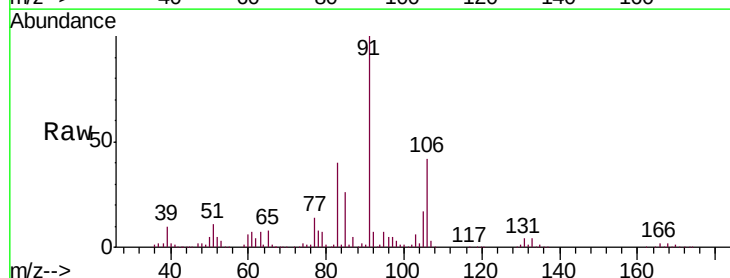
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031219

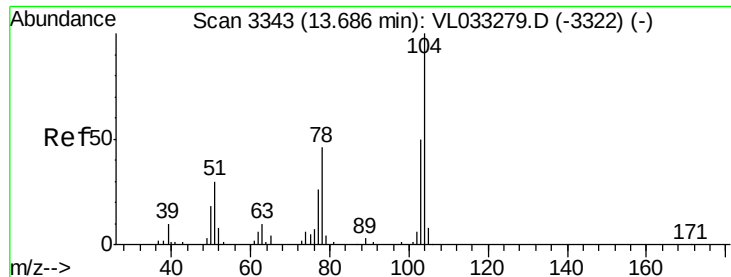
Tgt Ion: 91 Resp: 2702812
Ion Ratio Lower Upper
91 100
106 0.0 35.5 53.3#



#60
o-Xylene
Concen: 7.966 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

Tgt Ion: 91 Resp: 2437354
Ion Ratio Lower Upper
91 100
106 42.9 21.3 63.7

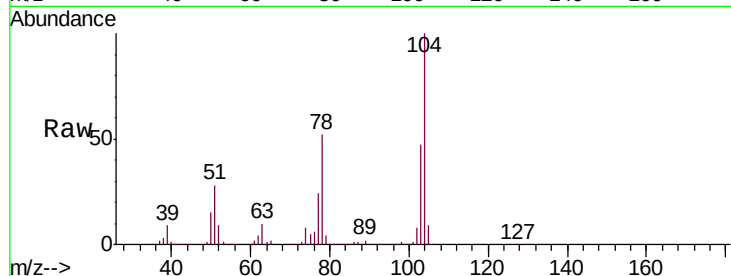




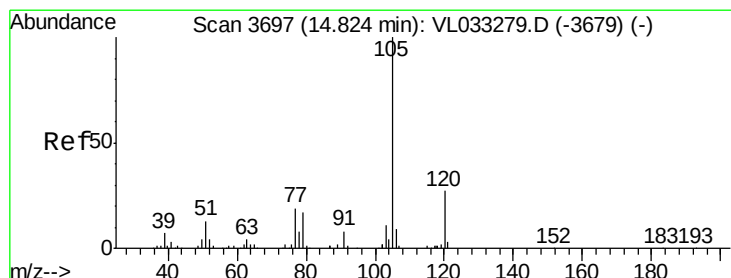
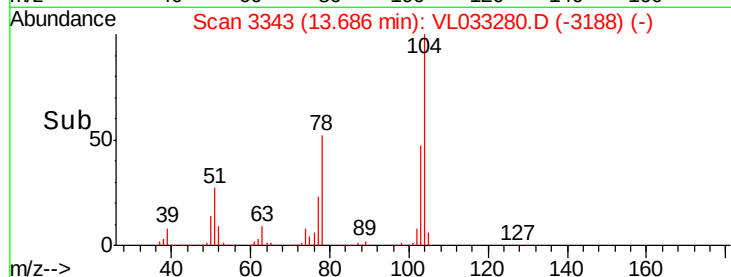
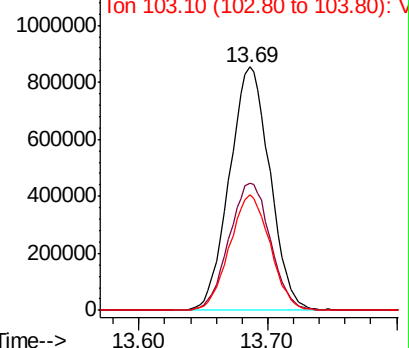
#61
Styrene
Concen: 8.550 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031219

Tgt Ion:104 Resp: 1863062
Ion Ratio Lower Upper
104 100
78 53.5 43.3 64.9
103 47.5 38.0 57.0

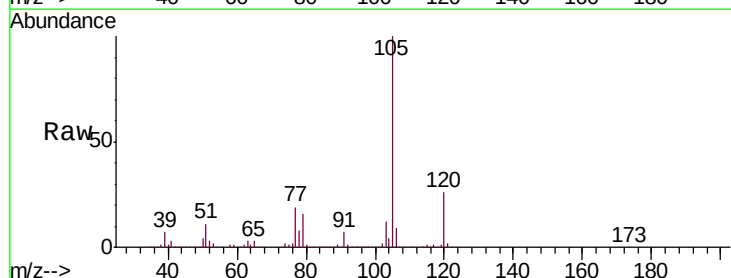


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

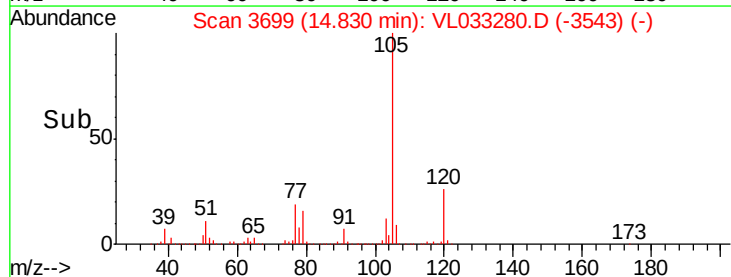
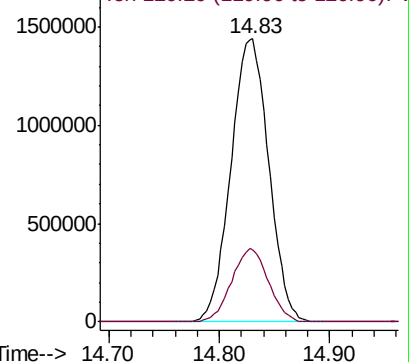


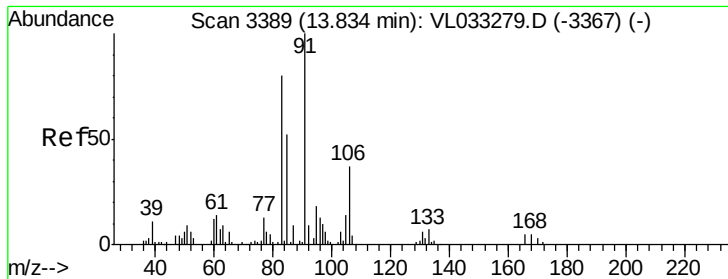
#62
Isopropylbenzene
Concen: 8.024 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. 0.00 min
Lab File: VL033280.D
Acq: 12 Mar 2019 10:04

Tgt Ion:105 Resp: 3420746
Ion Ratio Lower Upper
105 100
120 25.2 20.0 30.0



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V

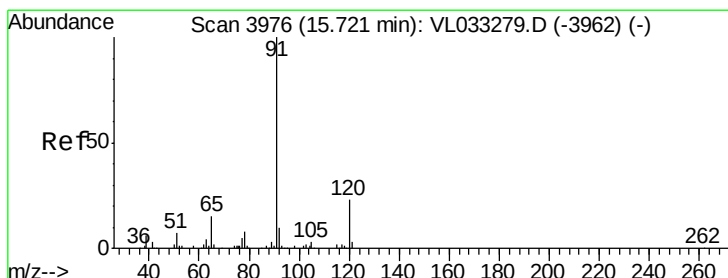
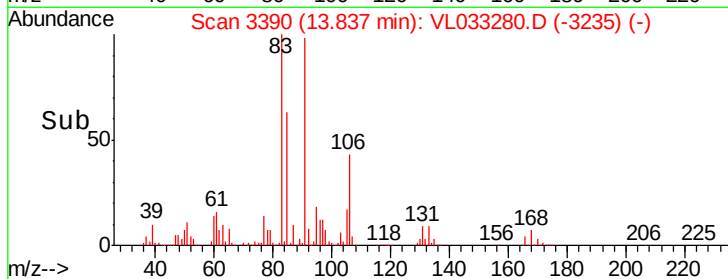
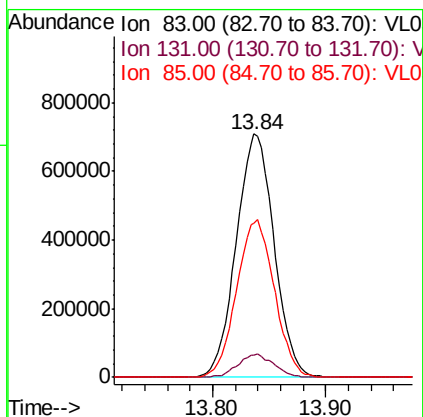
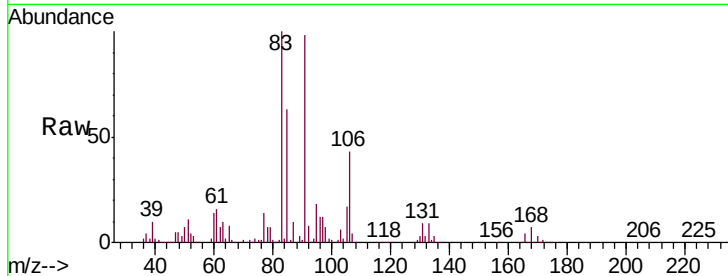




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.061 ppbv
 RT: 13.84 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

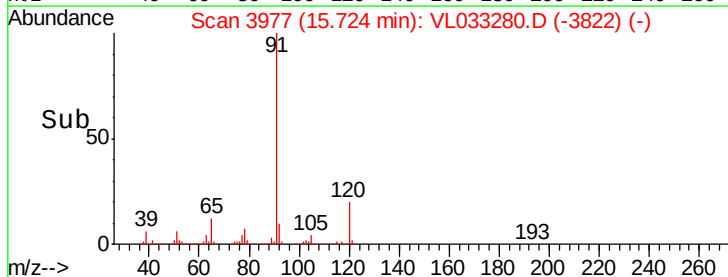
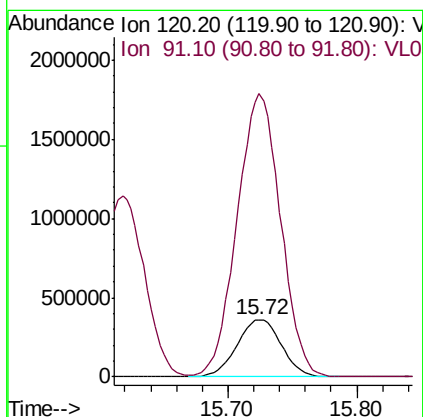
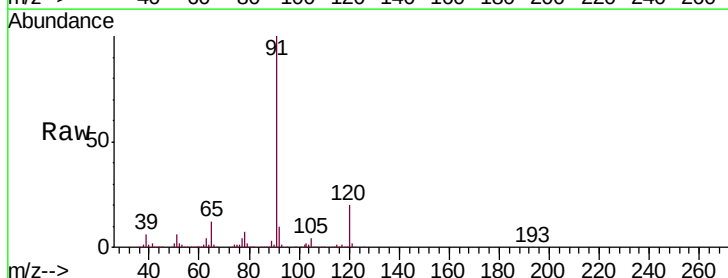
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031219

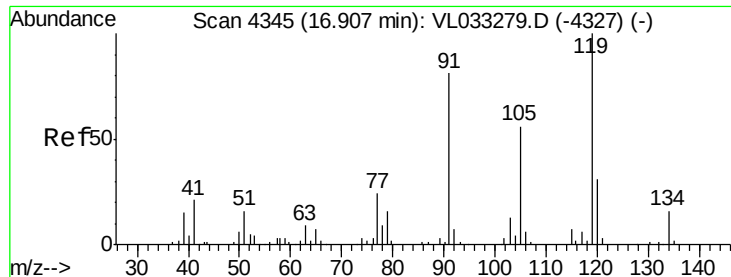
Tgt Ion: 83 Resp: 1653207
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.5 13.7
 85 64.8 32.2 96.6



#64
 n-propylbenzene
 Concen: 8.236 ppbv
 RT: 15.72 min Scan# 3977
 Delta R.T. -0.00 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

Tgt Ion: 120 Resp: 863919
 Ion Ratio Lower Upper
 120 100
 91 487.8 385.8 578.8

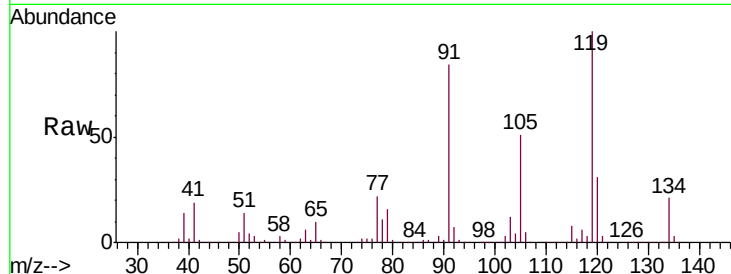




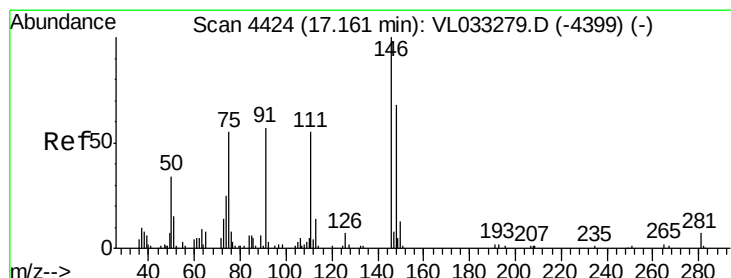
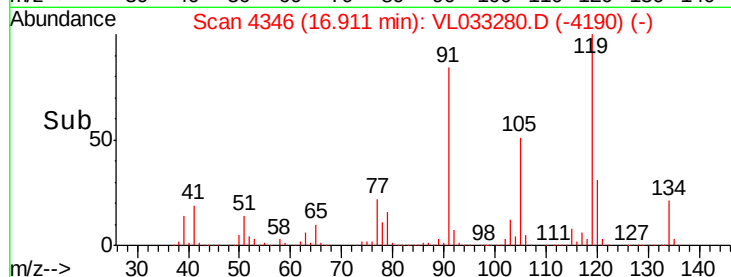
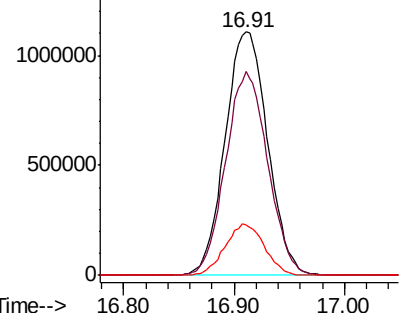
#65
 tert-Butylbenzene
 Concen: 8.210 ppbv
 RT: 16.91 min Scan# 4346
 Delta R.T. 0.00 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031219

Tgt Ion: 119 Resp: 2954474
 Ion Ratio Lower Upper
 119 100
 91 83.1 67.3 100.9
 134 19.5 15.4 23.2

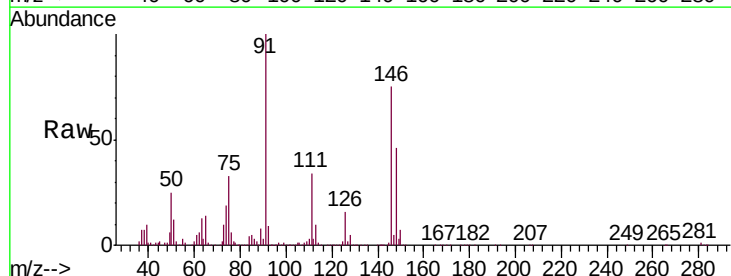


Abundance Ion 119.20 (118.90 to 119.90): V
 1500000 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

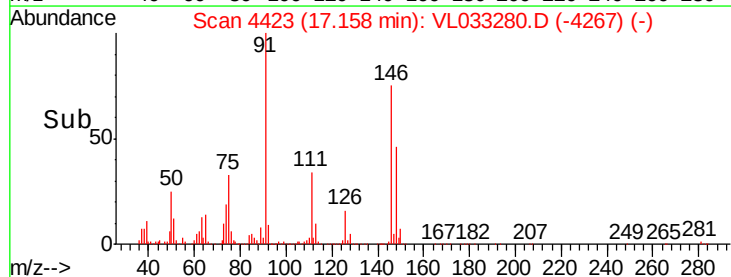
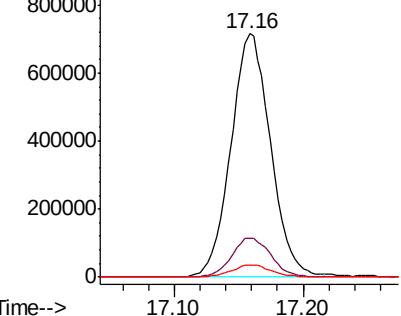


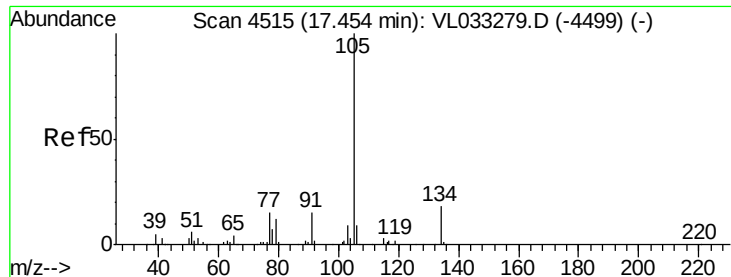
#66
 Benzyl Chloride
 Concen: 10.952 ppbv
 RT: 17.16 min Scan# 4423
 Delta R.T. 0.00 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

Tgt Ion: 91 Resp: 1526591
 Ion Ratio Lower Upper
 91 100
 126 16.1 13.0 19.6
 128 5.2 4.3 6.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
 1000000 Ion 126.10 (125.80 to 126.80): V
 Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.204 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. -0.00 min

Lab File: VL033280.D

Acq: 12 Mar 2019 10:04

Instrument :

MSVOA_L

ClientSampleId :

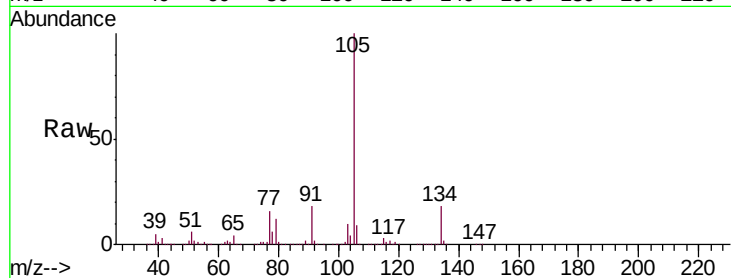
ICVVL031219

Tgt Ion: 105 Resp: 4201881

Ion Ratio Lower Upper

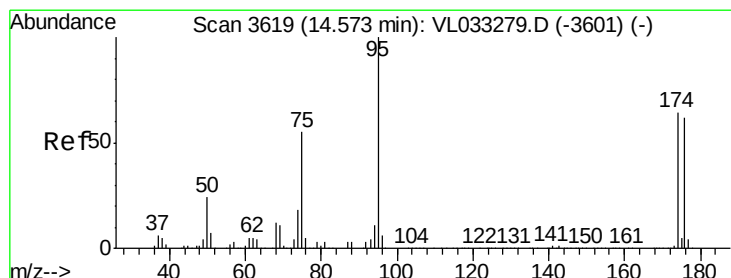
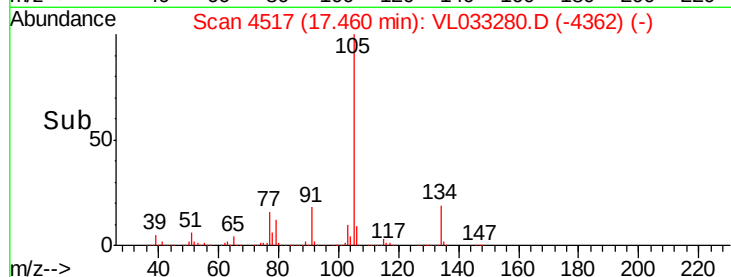
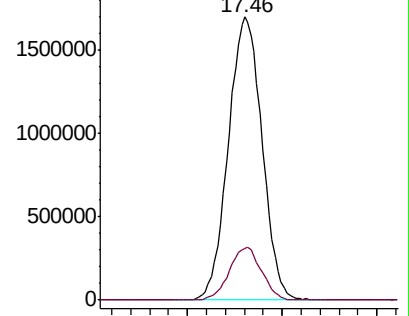
105 100

134 17.9 14.2 21.2



Abundance Ion 105.10 (104.80 to 105.80): V

2000000 Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.061 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.00 min

Lab File: VL033280.D

Acq: 12 Mar 2019 10:04

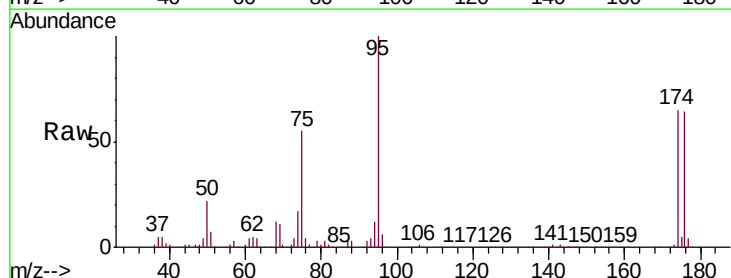
Tgt Ion: 95 Resp: 1723968

Ion Ratio Lower Upper

95 100

174 64.7 51.7 77.5

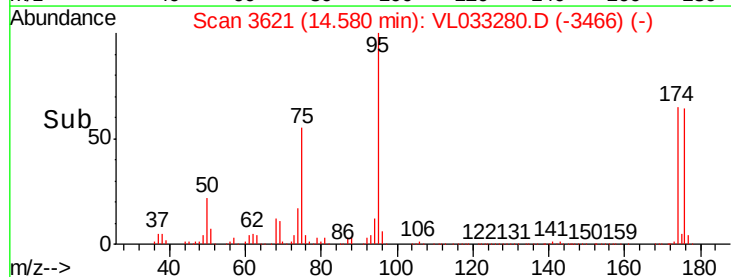
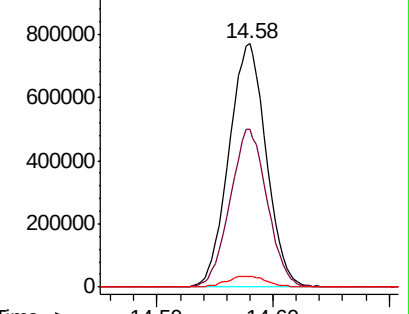
175 4.7 3.7 5.5

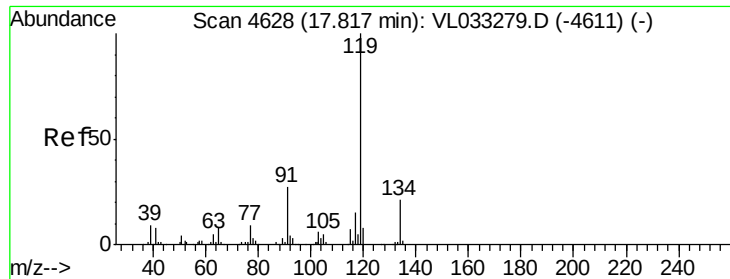


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

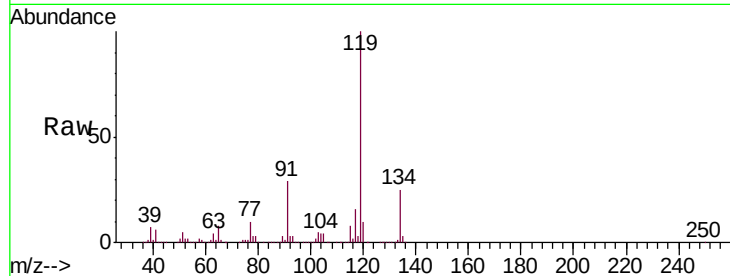




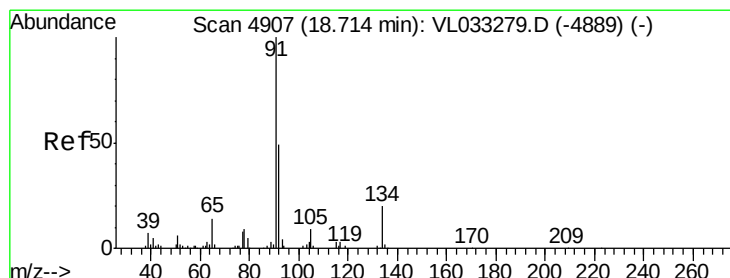
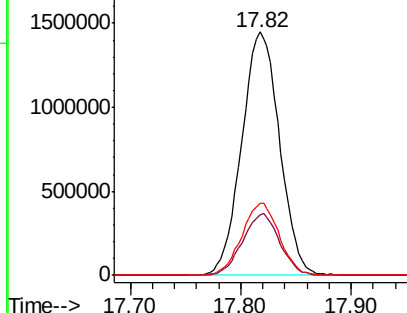
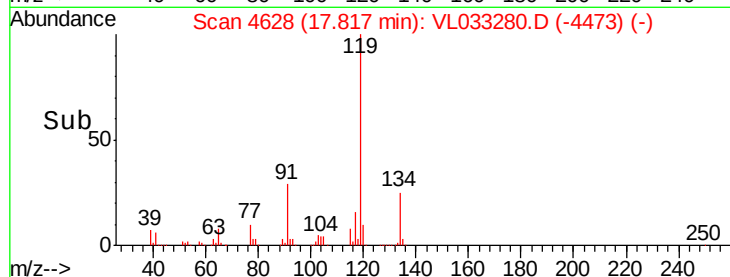
#69
 p-Isopropyltoluene
 Concen: 8.306 ppbv
 RT: 17.82 min Scan# 4628
 Delta R.T. -0.00 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031219

Tgt Ion: 119 Resp: 3436458
 Ion Ratio Lower Upper
 119 100
 134 25.0 19.7 29.5
 91 29.4 23.5 35.3

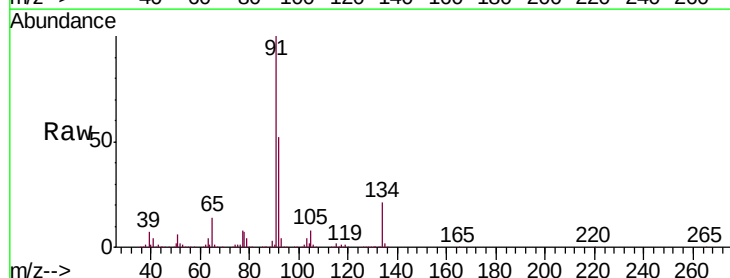


Abundance Ion 119.10 (118.80 to 119.80): V
 2000000 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

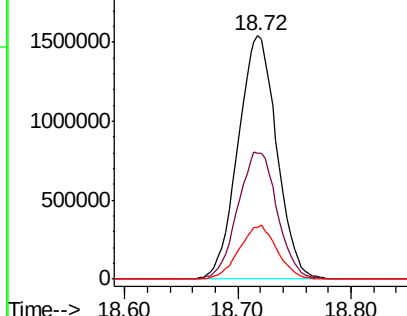
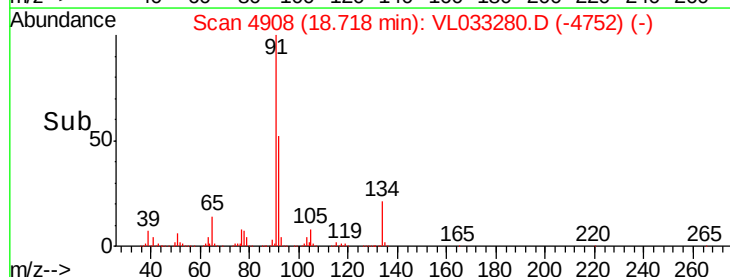


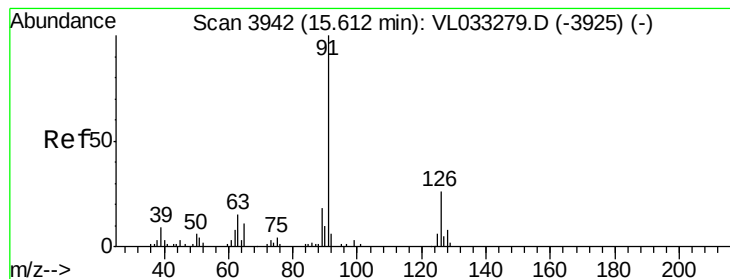
#70
 n-Butylbenzene
 Concen: 8.216 ppbv
 RT: 18.72 min Scan# 4908
 Delta R.T. 0.00 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

Tgt Ion: 91 Resp: 3650363
 Ion Ratio Lower Upper
 91 100
 92 53.5 42.4 63.6
 134 21.7 17.1 25.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
 2000000 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.249 ppbv

RT: 15.62 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VL033280.D

Acq: 12 Mar 2019 10:04

Instrument :

MSVOA_L

ClientSampleId :

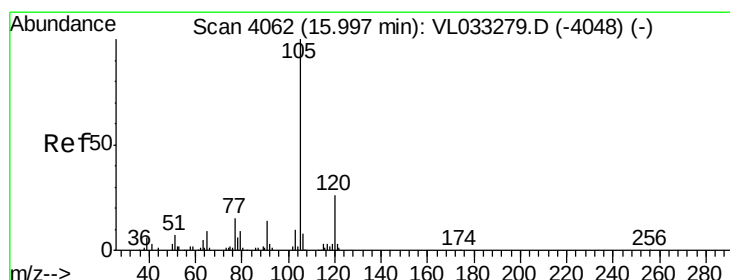
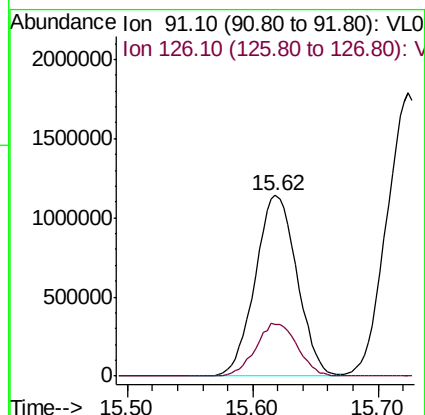
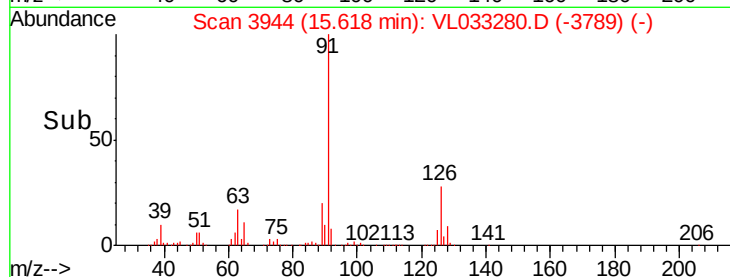
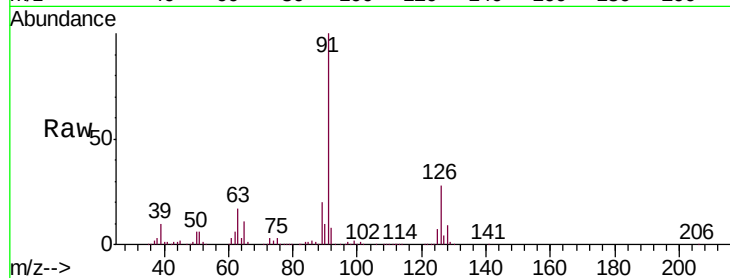
ICVVL031219

Tgt Ion: 91 Resp: 2650815

Ion Ratio Lower Upper

91 100

126 29.1 11.7 46.7



#72

4-Ethyltoluene

Concen: 8.550 ppbv

RT: 16.00 min Scan# 4063

Delta R.T. -0.00 min

Lab File: VL033280.D

Acq: 12 Mar 2019 10:04

Tgt Ion: 105 Resp: 2825510

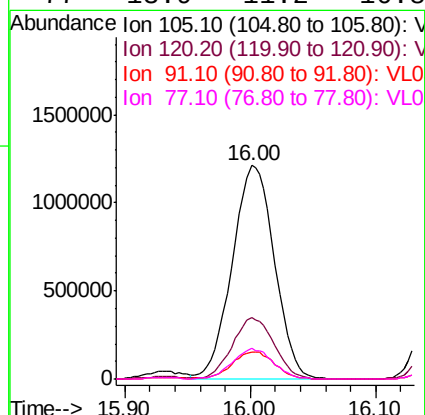
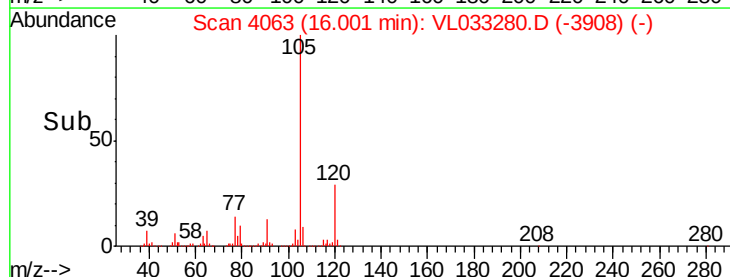
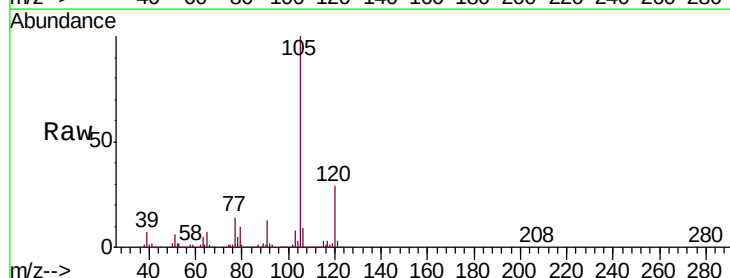
Ion Ratio Lower Upper

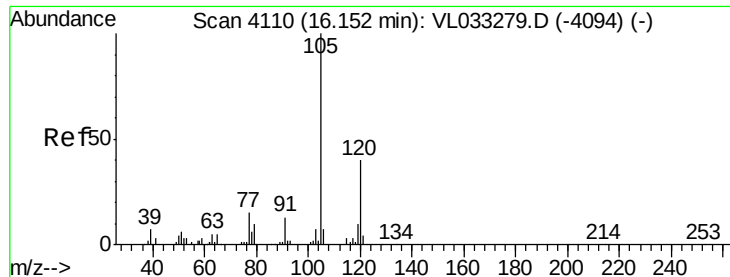
105 100

120 28.5 22.9 34.3

91 12.7 10.2 15.2

77 13.9 11.2 16.8

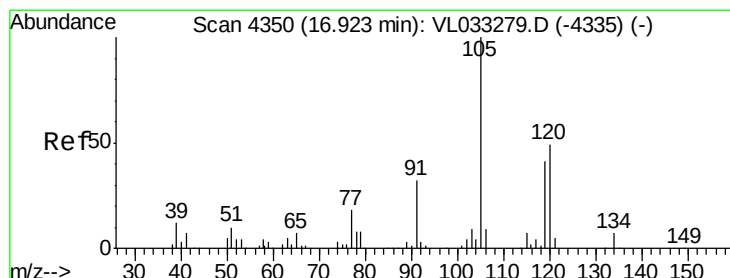
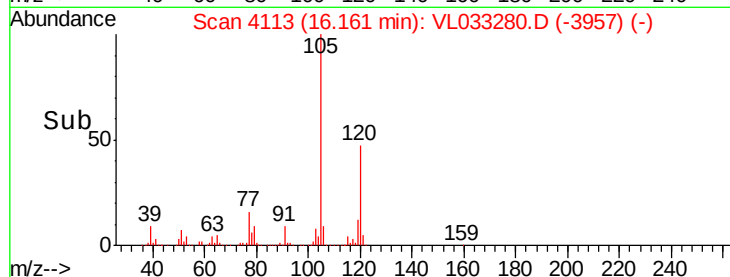
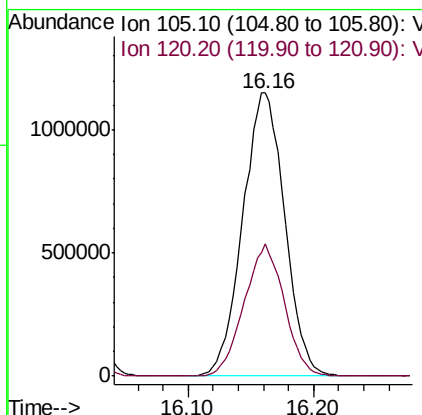
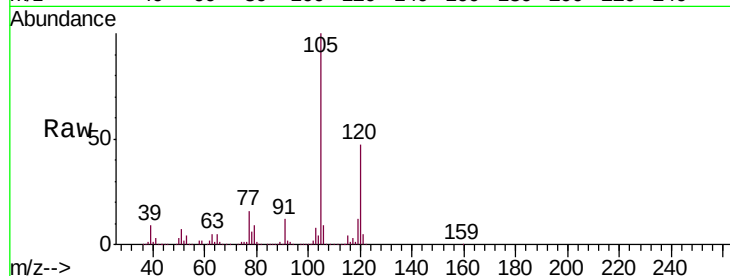




#73
 1,3,5-Trimethylbenzene
 Concen: 8.547 ppbv
 RT: 16.16 min Scan# 4113
 Delta R.T. 0.00 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

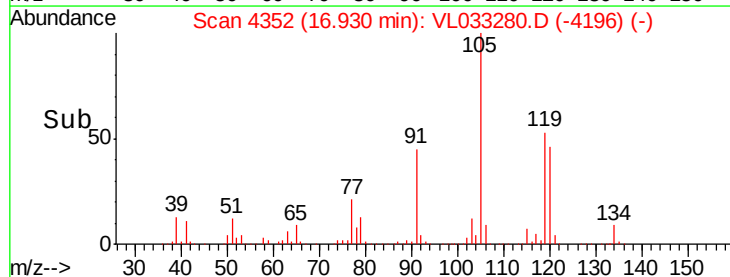
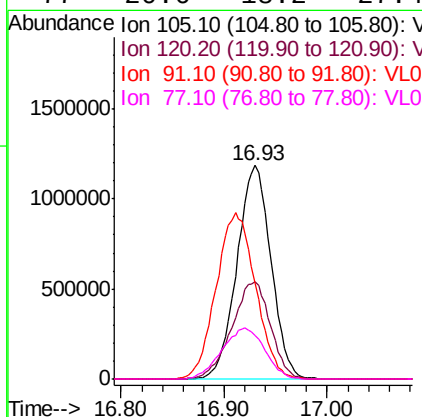
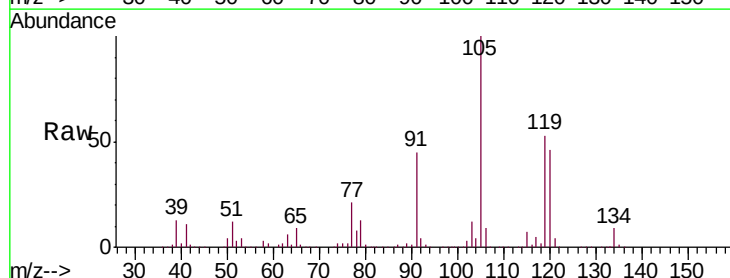
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031219

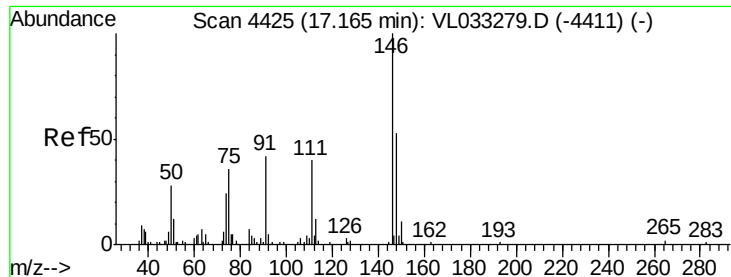
Tgt Ion:105 Resp: 2661523
 Ion Ratio Lower Upper
 105 100
 120 46.7 35.1 52.7



#74
 1,2,4-Trimethylbenzene
 Concen: 8.555 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. 0.00 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

Tgt Ion:105 Resp: 2713127
 Ion Ratio Lower Upper
 105 100
 120 45.6 36.1 54.1
 91 45.2 38.6 58.0
 77 20.6 18.2 27.4

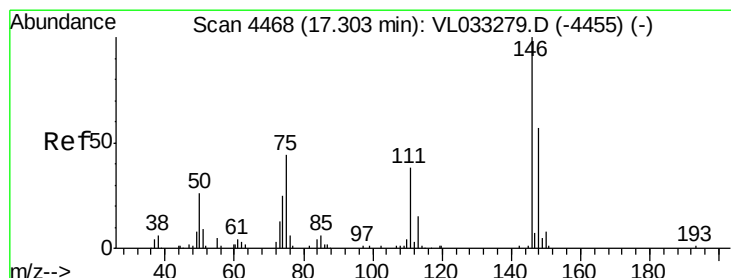
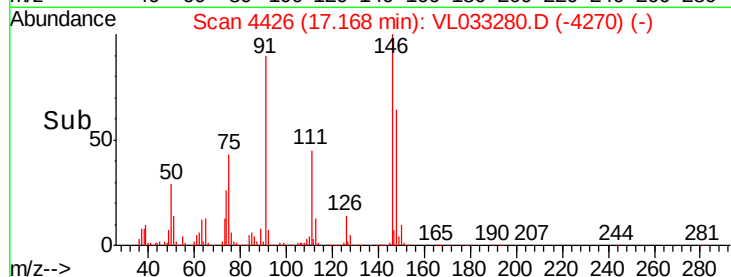
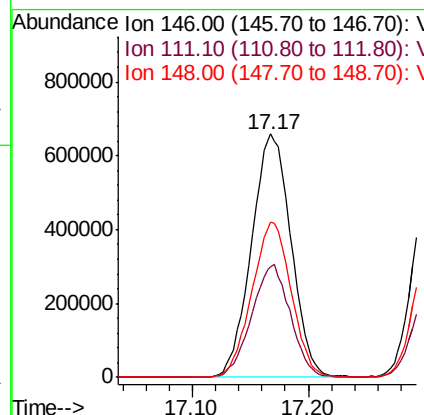
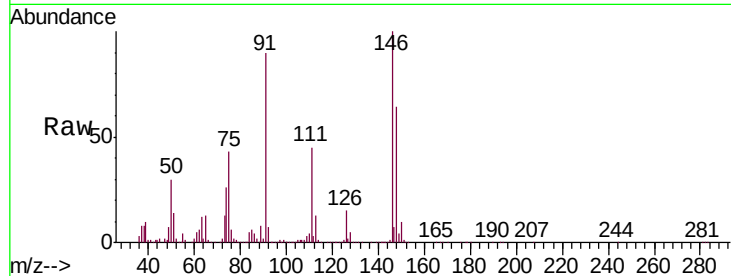




#75
 1,3-Dichlorobenzene
 Concen: 8.221 ppbv
 RT: 17.17 min Scan# 4426
 Delta R.T. 0.00 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

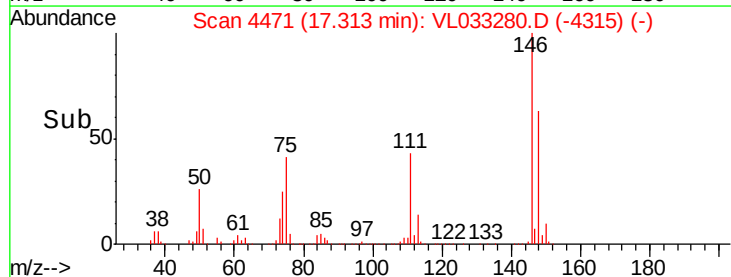
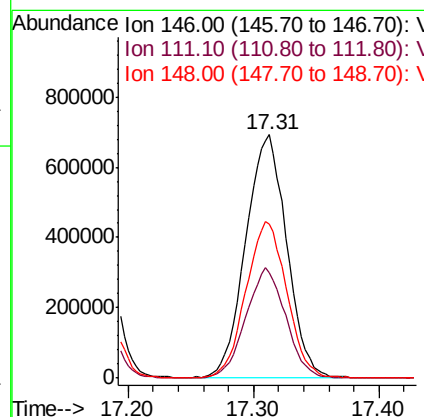
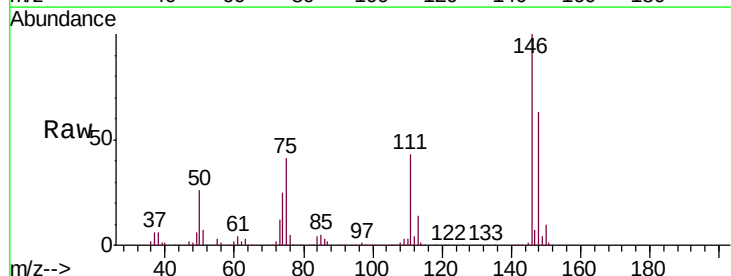
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031219

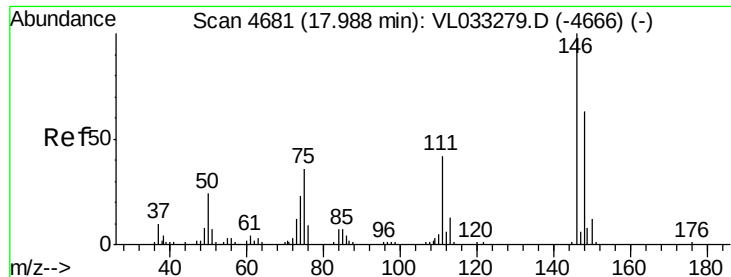
Tgt Ion:146 Resp: 1562599
 Ion Ratio Lower Upper
 146 100
 111 45.5 22.8 68.4
 148 63.6 31.8 95.3



#76
 1,4-Dichlorobenzene
 Concen: 8.328 ppbv
 RT: 17.31 min Scan# 4471
 Delta R.T. 0.00 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

Tgt Ion:146 Resp: 1565492
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.1 66.1
 148 64.3 31.8 95.3





#77

1,2-Dichlorobenzene

Concen: 7.946 ppbv

RT: 17.99 min Scan# 4682

Delta R.T. 0.00 min

Lab File: VL033280.D

Acq: 12 Mar 2019 10:04

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031219

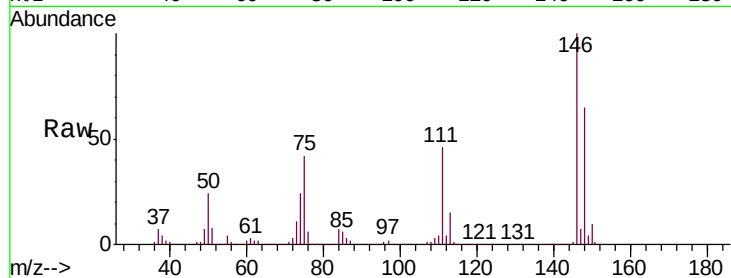
Tgt Ion:146 Resp: 1503606

Ion Ratio Lower Upper

146 100

111 47.2 23.5 70.5

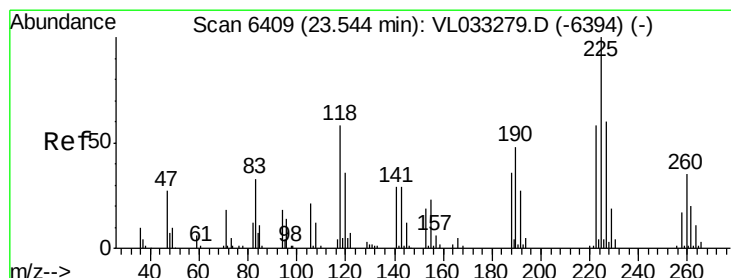
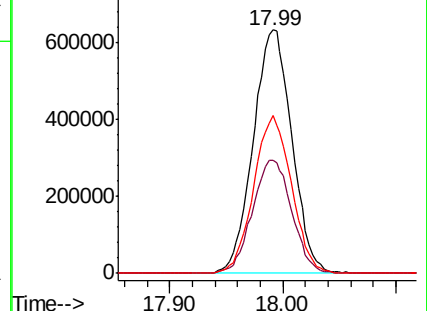
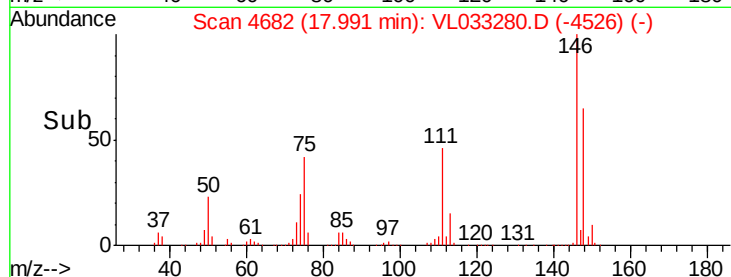
148 63.6 31.7 95.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.707 ppbv

RT: 23.55 min Scan# 6410

Delta R.T. -0.00 min

Lab File: VL033280.D

Acq: 12 Mar 2019 10:04

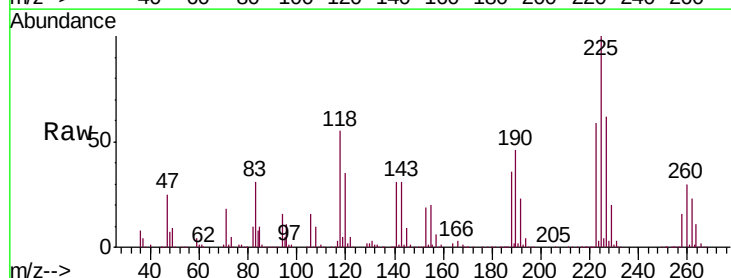
Tgt Ion:225 Resp: 1215107

Ion Ratio Lower Upper

225 100

223 63.2 50.3 75.5

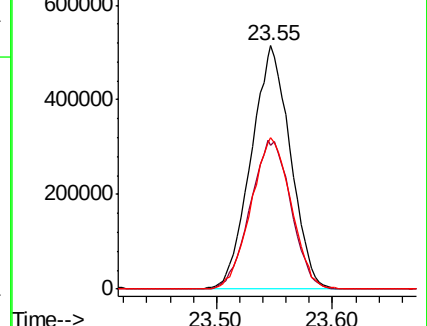
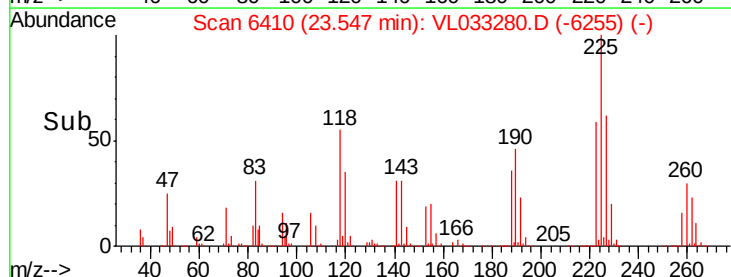
227 63.4 51.1 76.7

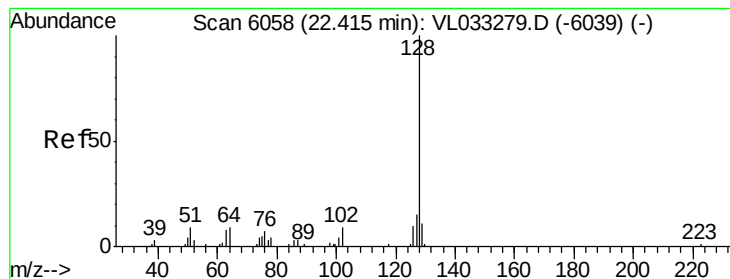


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.671 ppbv

RT: 22.42 min Scan# 6059

Delta R.T. -0.00 min

Lab File: VL033280.D

Acq: 12 Mar 2019 10:04

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031219

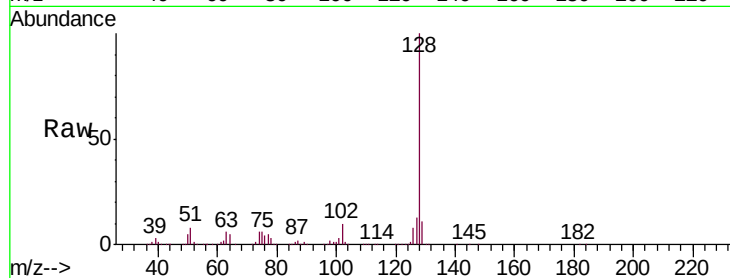
Tgt Ion:128 Resp: 2977090

Ion Ratio Lower Upper

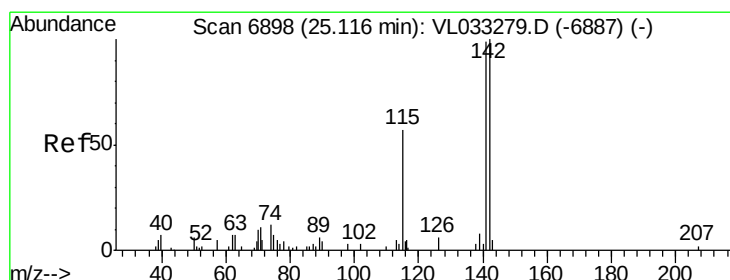
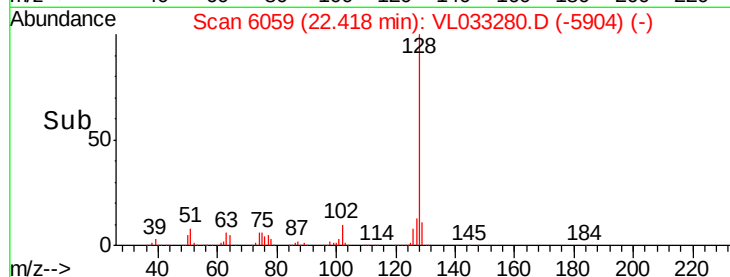
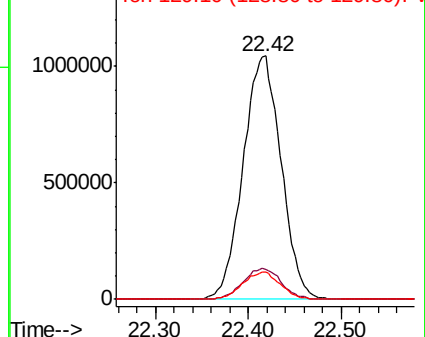
128 100

127 12.5 10.5 15.7

129 11.2 8.4 12.6



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: 17.768 ppbv

RT: 25.12 min Scan# 6898

Delta R.T. -0.00 min

Lab File: VL033280.D

Acq: 12 Mar 2019 10:04

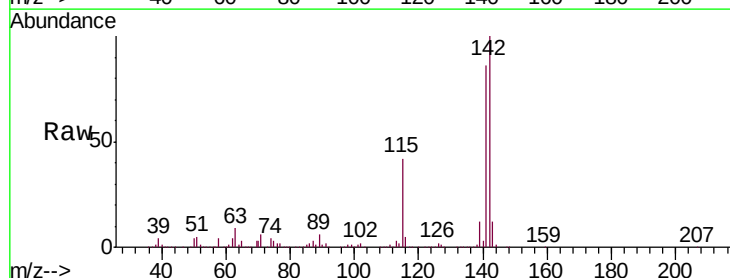
Tgt Ion:142 Resp: 1671495

Ion Ratio Lower Upper

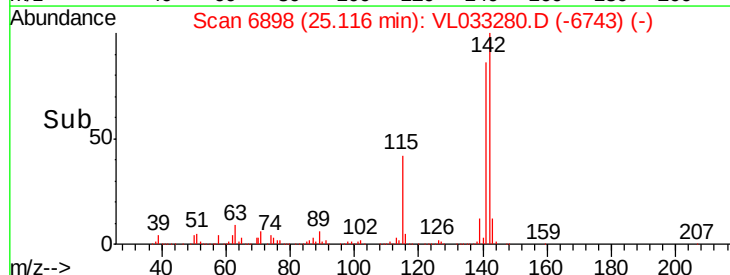
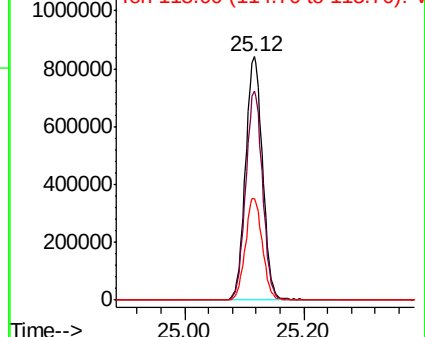
142 100

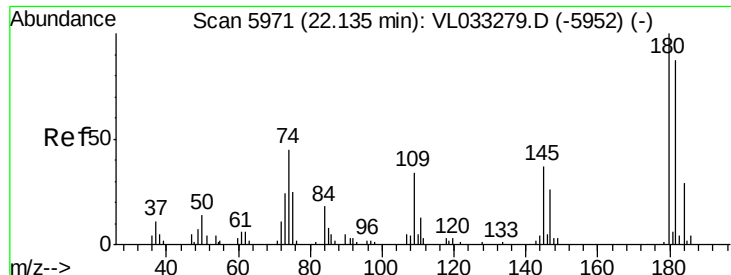
141 85.0 68.0 102.0

115 41.5 33.8 50.6



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: 7.842 ppbv
 RT: 22.14 min Scan# 5971
 Delta R.T. -0.00 min
 Lab File: VL033280.D
 Acq: 12 Mar 2019 10:04

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031219

Tgt Ion:180 Resp: 1417404
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.6 114.8
 184 30.7 24.2 36.4

