

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051719\
 Data File : VL033707.D
 Acq On : 17 May 2019 7:10
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051719

Quant Time: May 17 08:23:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1208827	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2903982	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3655071	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2385561	8.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.50%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	2322934	9.118	ppbv	99
3) Chlorodifluoromethane	3.01	51	1349709	9.748	ppbv	98
4) Chloromethane	3.17	50	758347	9.575	ppbv	99
5) Vinyl Chloride	3.29	62	749219	9.287	ppbv	99
6) Bromomethane	3.51	94	489498	9.944	ppbv	99
7) Chloroethane	3.60	64	286477	9.992	ppbv	94
8) Dichlorotetrafluoroethane	3.22	85	1884796	9.177	ppbv	99
9) Propene	3.04	41	588511	9.993	ppbv	100
10) Heptane	8.25	43	1512937	9.072	ppbv	99
11) Trichlorofluoromethane	4.00	101	2205520	9.071	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1501759	8.845	ppbv	99
13) Ethanol	3.65	45	136063	7.148	ppbv	98
14) Bromoethene	3.79	108	622019	9.965	ppbv	99
15) Acetone	3.90	43	1390000	8.288	ppbv	99
16) 1,3-Butadiene	3.36	39	655173	9.810	ppbv	99
17) tert-Butyl alcohol	4.36	59	1236009	9.114	ppbv	100
18) 1,1-Dichloroethene	4.35	96	666036	9.294	ppbv	99
19) Isopropyl Alcohol	4.02	45	952779	8.811	ppbv	100
20) Methylene Chloride	4.41	84	555318	8.600	ppbv	97
21) Allyl Chloride	4.48	41	981536	9.383	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	722522	9.836	ppbv	90
23) Vinyl Acetate	5.16	43	2286886	10.341	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1582682	9.415	ppbv	98
25) Ethyl Acetate	5.77	43	2684060	9.110	ppbv	99
26) Hexane	5.78	57	1177315	9.295	ppbv	99
27) Carbon Disulfide	4.62	76	1725633	9.931	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	2109334	10.215	ppbv	100
29) Chloroform	5.85	83	1996371	8.557	ppbv	99
30) Cyclohexane	7.25	84	993289	9.328	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1238961	9.865	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	2086676	8.957	ppbv	99
34) 2-Butanone	5.33	43	1795833	9.977	ppbv	99
35) Carbon Tetrachloride	7.13	117	2179691	9.370	ppbv	99
36) Benzene	7.01	78	2532523	9.587	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1522173	8.933	ppbv	99
38) Trichloroethene	7.96	130	1000628	10.208	ppbv	99
39) 1,2-Dichloropropane	7.74	63	931812	9.461	ppbv	99
40) 1,4-Dioxane	7.95	88	372757	9.048	ppbv #	99
41) Tetrahydrofuran	6.15	42	1016719	10.081	ppbv	99
42) Bromodichloromethane	7.92	83	2176219	9.329	ppbv	96
43) Methyl Methacrylate	8.14	69	985588	10.138	ppbv	99

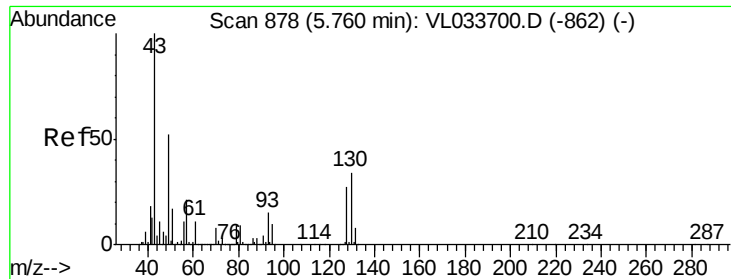
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051719\
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Quant Time: May 17 08:23:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	4092747	9.167	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1363324	11.062	ppbv	97
46) cis-1,3-Dichloropropene	8.84	75	1538846	10.663	ppbv	98
47) 1,1,2-Trichloroethane	9.61	97	1037017	9.269	ppbv	98
48) Dibromochloromethane	10.45	129	1876557	9.680	ppbv	100
49) Bromoform	13.20	173	1624102	9.957	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	2619085	9.460	ppbv	99
51) 2-Hexanone	10.27	43	2170615	10.045	ppbv	100
52) Tetrachloroethene	11.37	164	948551	10.215	ppbv	98
53) Toluene	9.95	91	2916587	10.236	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1624318	9.513	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.28	131	1227596	7.258	ppbv	96
57) Chlorobenzene	12.30	112	2191574	7.284	ppbv	100
58) Ethyl Benzene	12.86	91	3937967	8.136	ppbv	100
59) m/p-Xylene	13.15	91	3293470	7.784	ppbv #	30
60) o-Xylene	13.85	91	3200292	7.503	ppbv	100
61) Styrene	13.69	104	2468093	8.595	ppbv	99
62) Isopropylbenzene	14.82	105	4316437	7.515	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	2163017	6.974	ppbv	100
64) n-propylbenzene	15.72	120	1116978	7.518	ppbv	98
65) tert-Butylbenzene	16.91	119	3870591	7.380	ppbv	100
66) Benzyl Chloride	17.15	91	2164476	8.665	ppbv	100
67) sec-Butylbenzene	17.46	105	5394125	7.349	ppbv	100
69) p-Isopropyltoluene	17.81	119	4536895	7.478	ppbv	100
70) n-Butylbenzene	18.71	91	4713546	7.245	ppbv	100
71) 2-Chlorotoluene	15.61	91	3257588	7.644	ppbv	100
72) 4-Ethyltoluene	16.00	105	3798033	7.788	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	3569075	7.501	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	3728565	7.200	ppbv	99
75) 1,3-Dichlorobenzene	17.17	146	2188063	6.895	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	2181691	7.234	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	2103291	7.054	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1527312	6.775	ppbv	99
79) Naphthalene	22.41	128	2278436	4.737	ppbv	99
80) Naphthalene,2-methyl-	25.11	142	1838962	10.062	ppbv	99
81) 1,2,4-Trichlorobenzene	22.13	180	2189724	7.775	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

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ICVVL051719

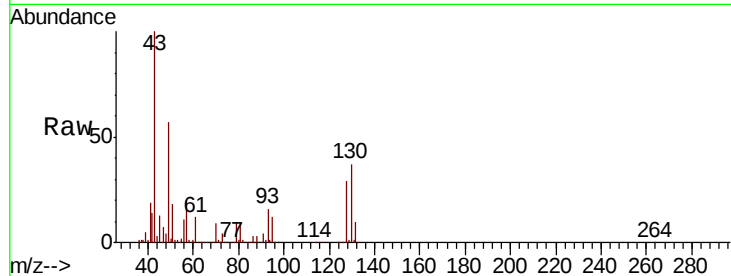
Tgt Ion: 49 Resp: 1208827

Ion Ratio Lower Upper

49 100

128 50.5 25.2 75.6

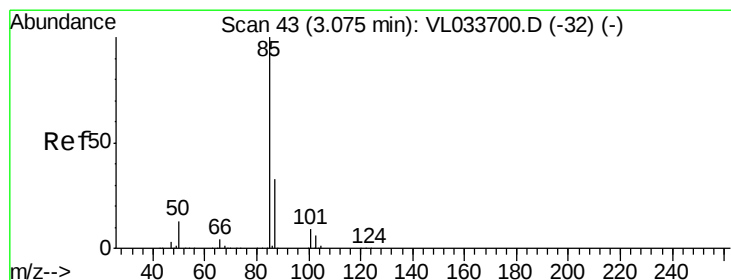
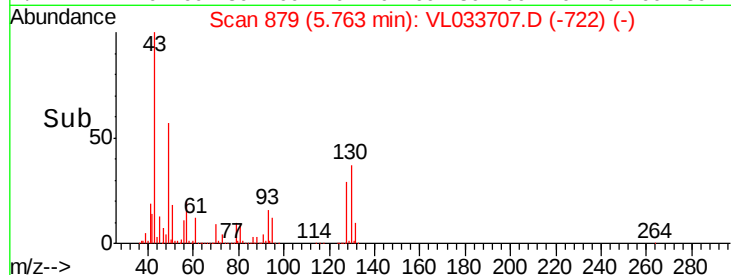
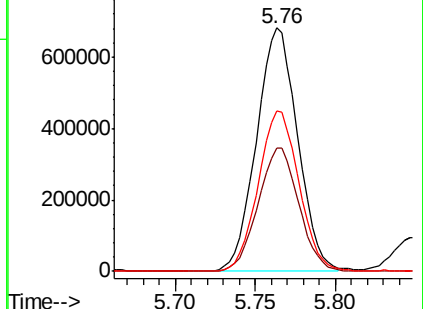
130 65.7 32.5 97.5



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: 9.118 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033707.D

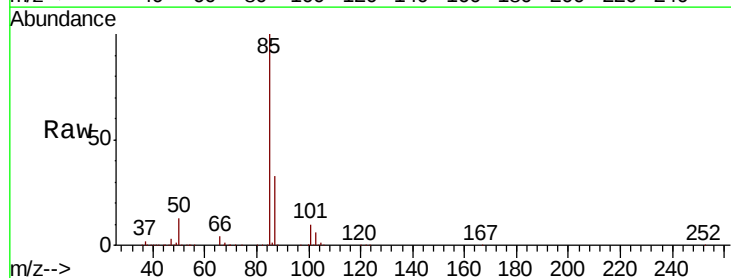
Acq: 17 May 2019 7:10

Tgt Ion: 85 Resp: 2322934

Ion Ratio Lower Upper

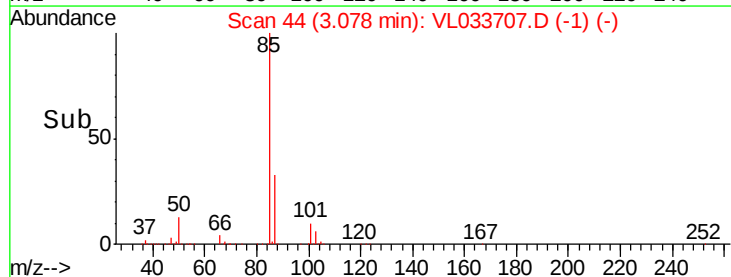
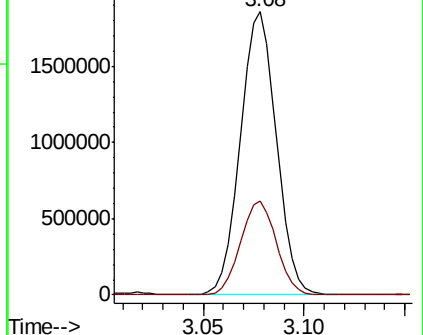
85 100

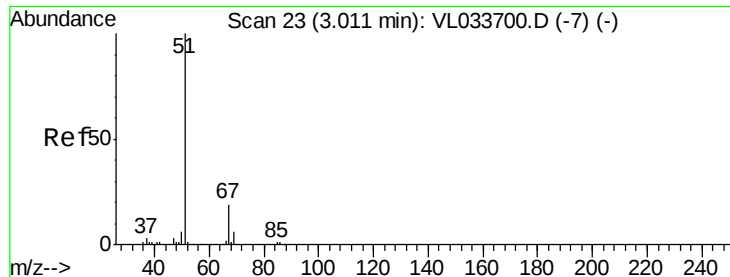
87 33.3 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

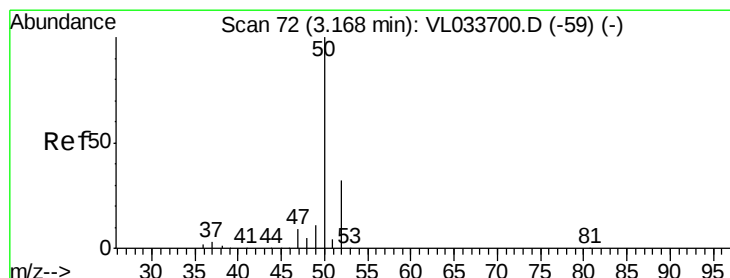
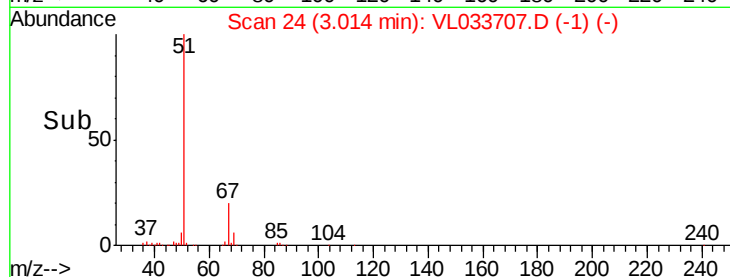
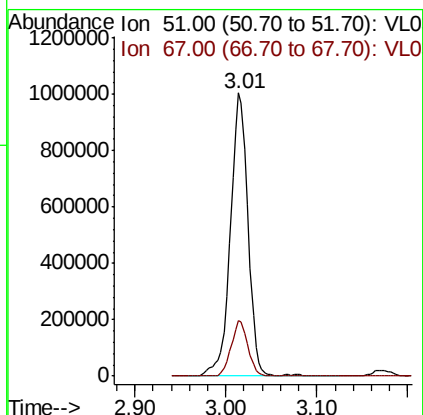
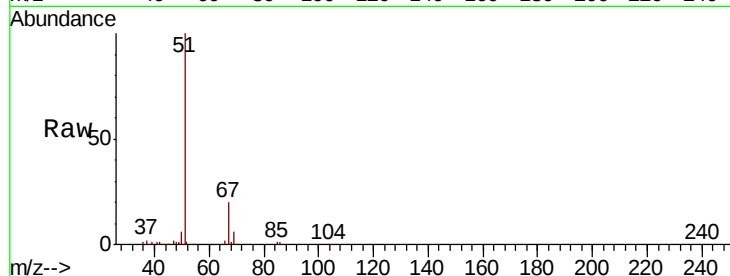




#3
 Chlorodifluoromethane
 Concen: 9.748 ppbv
 RT: 3.01 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VL033707.D
 Acq: 17 May 2019 7:10

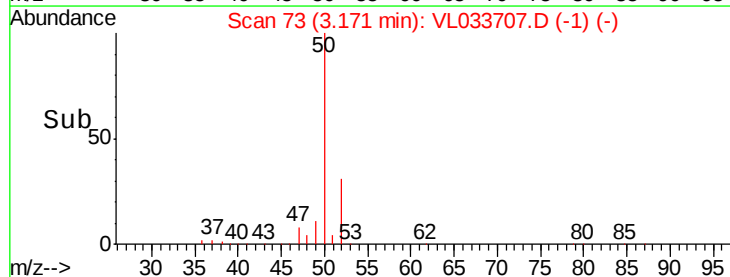
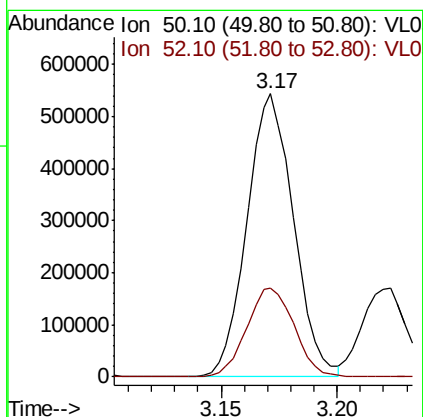
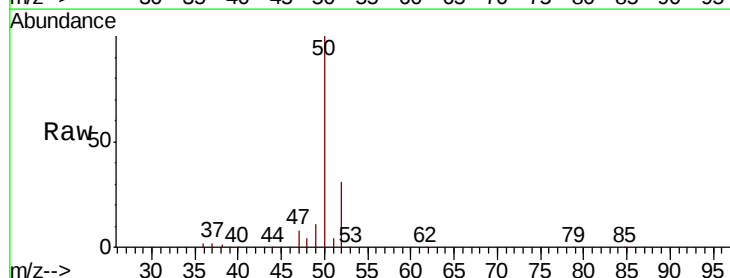
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051719

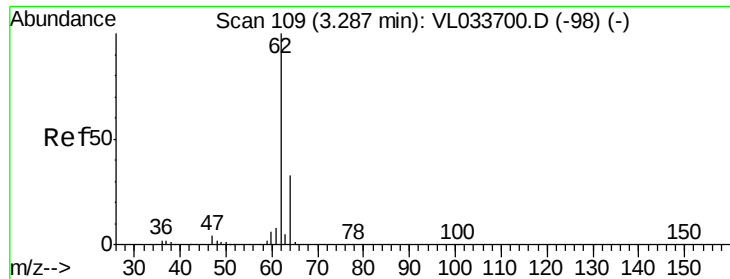
Tgt Ion: 51 Resp: 1349709
 Ion Ratio Lower Upper
 51 100
 67 18.5 15.6 23.4



#4
 Chloromethane
 Concen: 9.575 ppbv
 RT: 3.17 min Scan# 73
 Delta R.T. 0.00 min
 Lab File: VL033707.D
 Acq: 17 May 2019 7:10

Tgt Ion: 50 Resp: 758347
 Ion Ratio Lower Upper
 50 100
 52 31.3 25.7 38.5





#5

Vinyl Chloride

Concen: 9.287 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

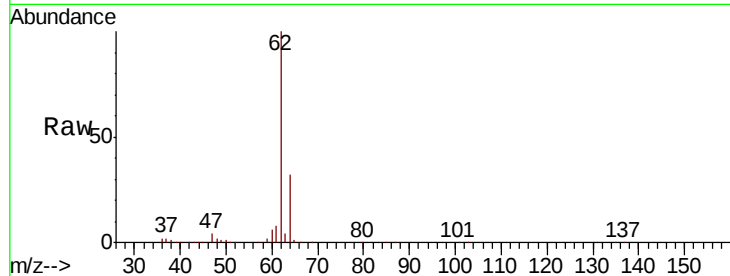
ICVVL051719

Tgt Ion: 62 Resp: 749219

Ion Ratio Lower Upper

62 100

64 32.4 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.29

600000

500000

400000

300000

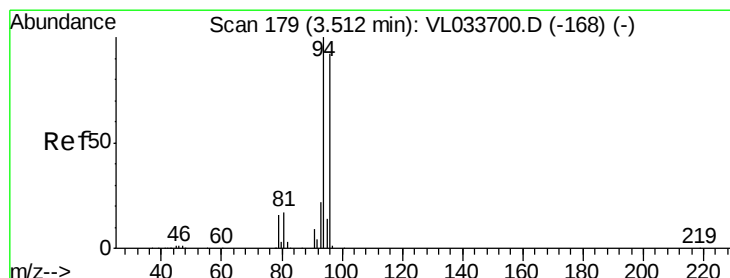
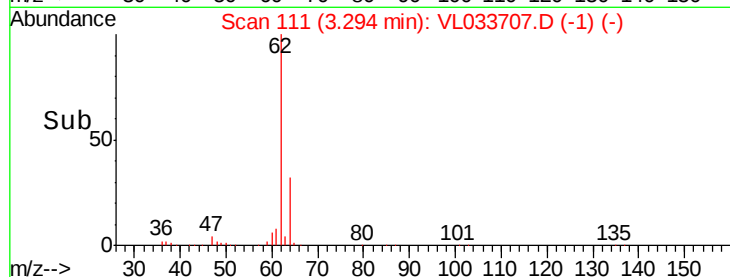
200000

100000

0

Time-->

3.25 3.30 3.35



#6

Bromomethane

Concen: 9.944 ppbv

RT: 3.51 min Scan# 179

Delta R.T. 0.00 min

Lab File: VL033707.D

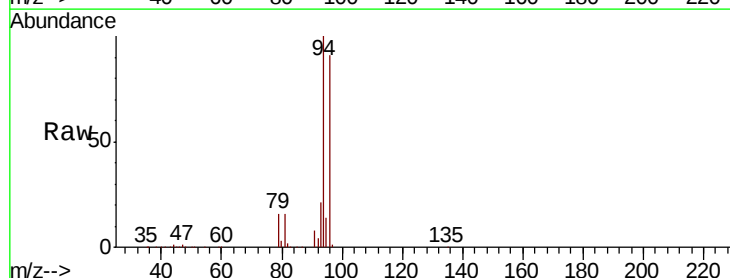
Acq: 17 May 2019 7:10

Tgt Ion: 94 Resp: 489498

Ion Ratio Lower Upper

94 100

96 91.3 73.6 110.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.51

400000

300000

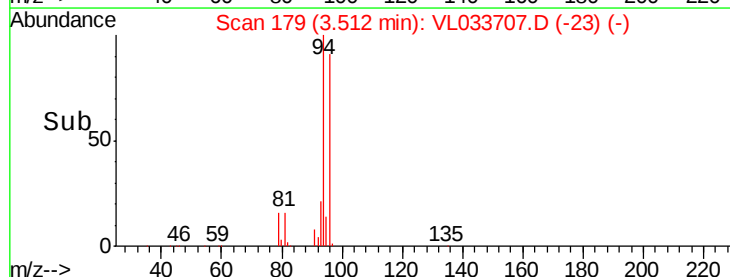
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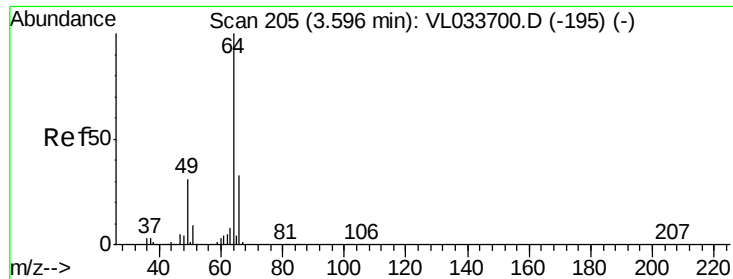
100000

0

Time-->

3.45 3.50 3.55





#7

Chloroethane

Concen: 9.992 ppbv

RT: 3.60 min Scan# 206

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

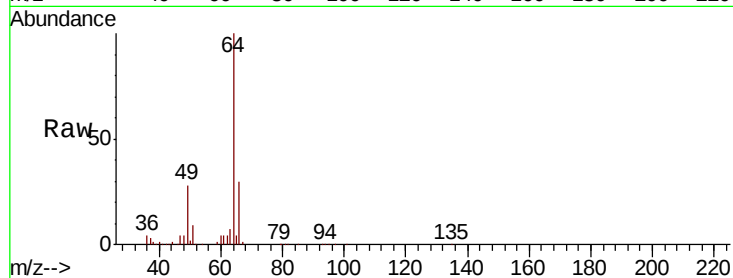
ICVVL051719

Tgt Ion: 64 Resp: 286477

Ion Ratio Lower Upper

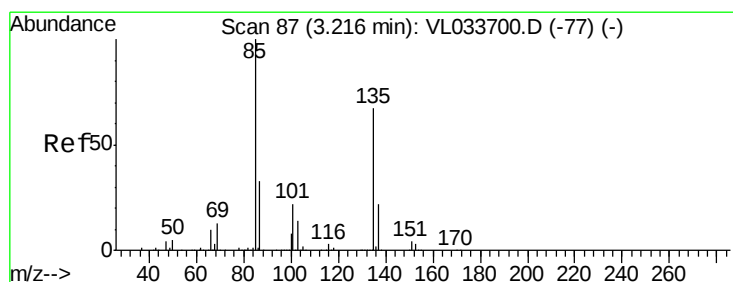
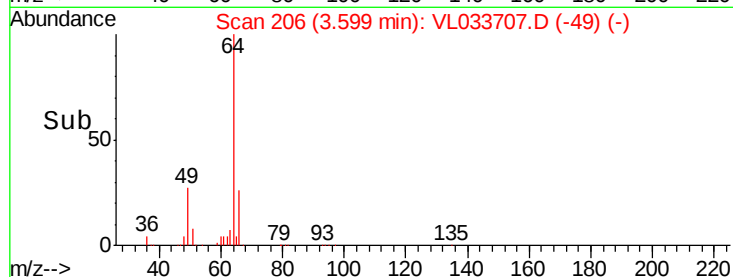
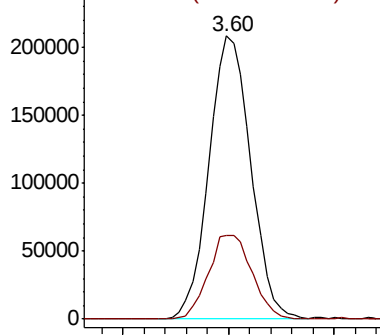
64 100

66 29.8 26.6 40.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.177 ppbv

RT: 3.22 min Scan# 88

Delta R.T. 0.00 min

Lab File: VL033707.D

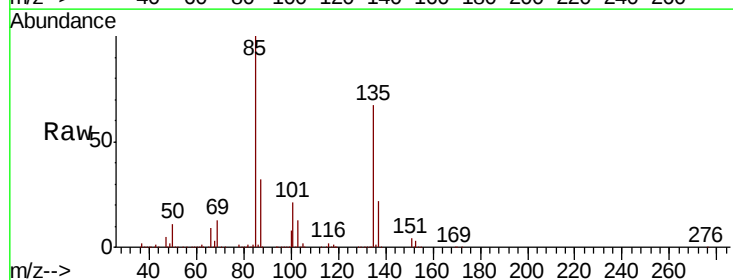
Acq: 17 May 2019 7:10

Tgt Ion: 85 Resp: 1884796

Ion Ratio Lower Upper

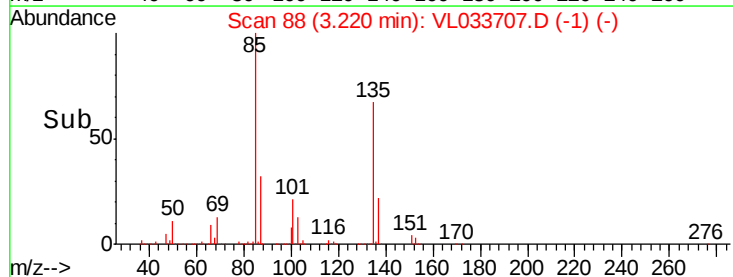
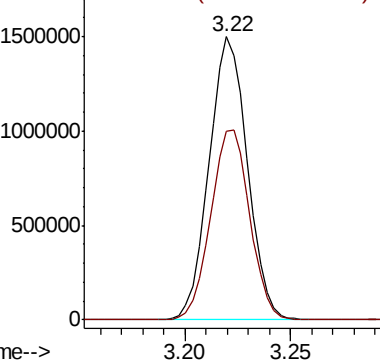
85 100

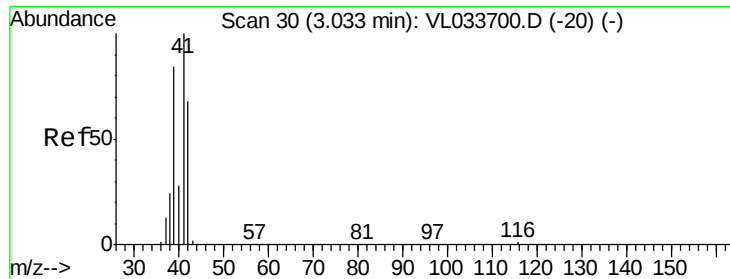
135 68.8 54.5 81.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.993 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

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ClientSampleId :

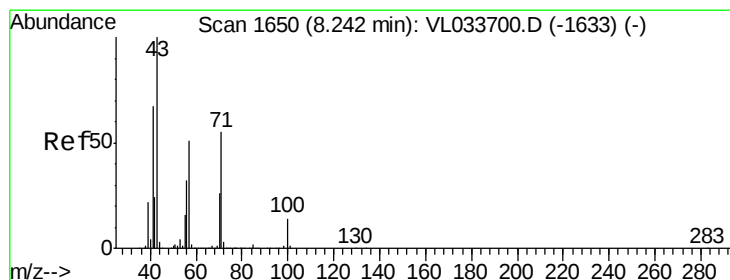
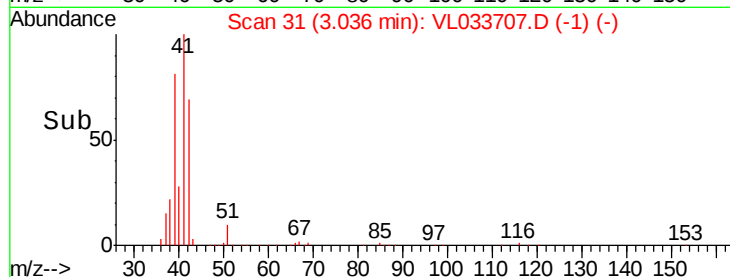
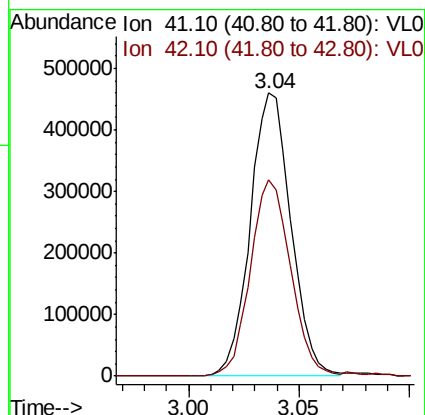
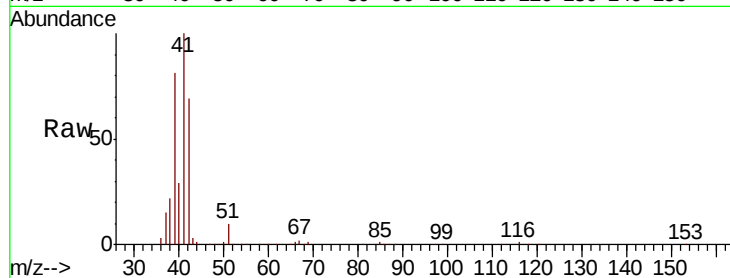
ICVVL051719

Tgt Ion: 41 Resp: 588511

Ion Ratio Lower Upper

41 100

42 69.9 56.1 84.1



#10

Heptane

Concen: 9.072 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. 0.00 min

Lab File: VL033707.D

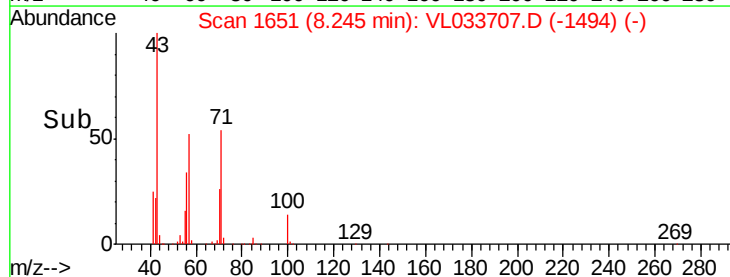
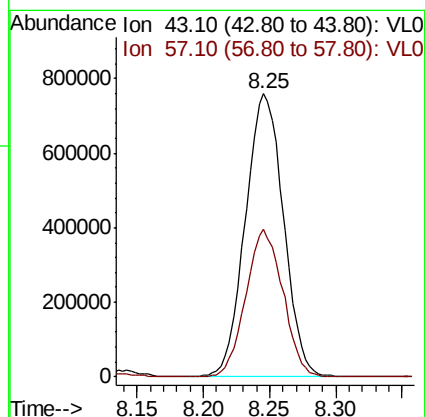
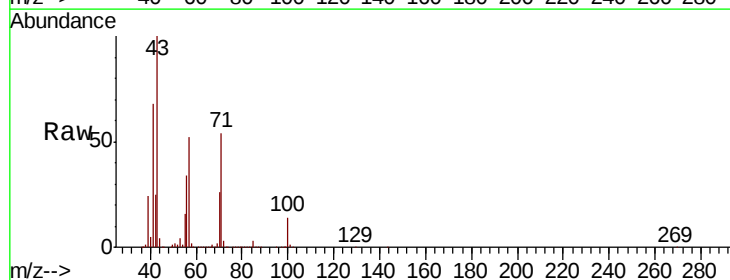
Acq: 17 May 2019 7:10

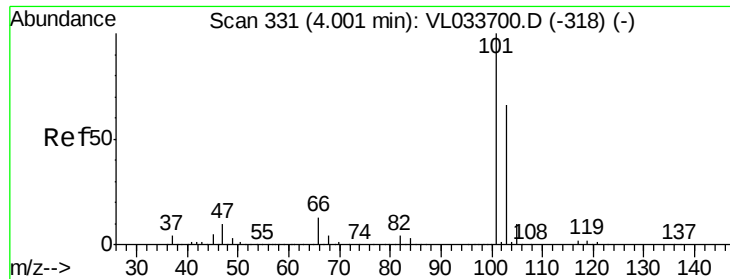
Tgt Ion: 43 Resp: 1512937

Ion Ratio Lower Upper

43 100

57 50.9 41.4 62.0

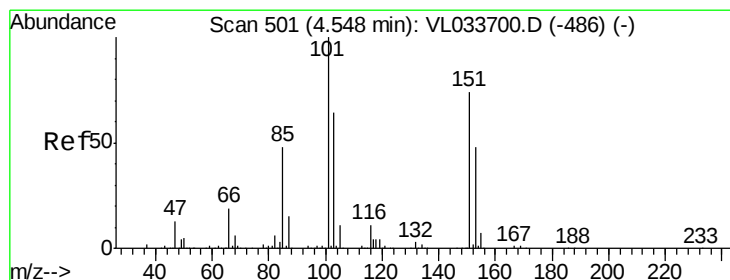
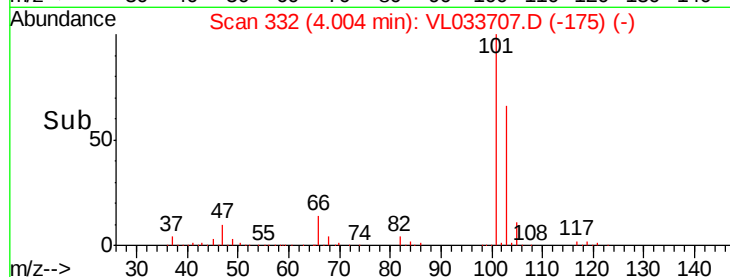
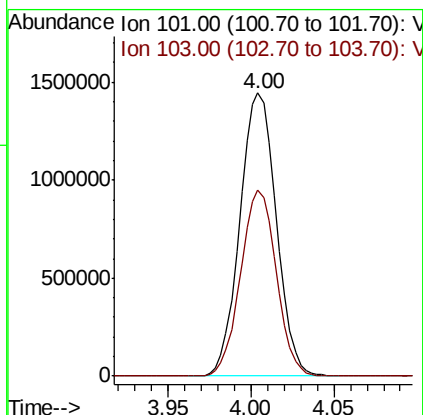
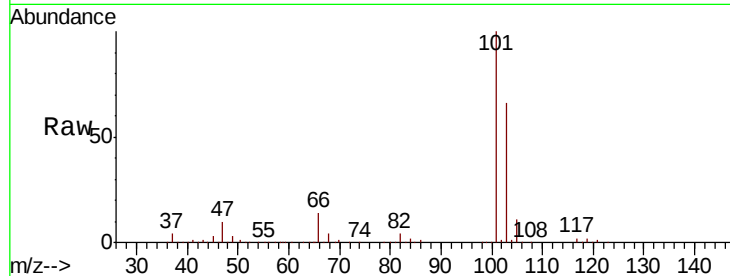




#11
 Trichlorofluoromethane
 Concen: 9.071 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL033707.D
 Acq: 17 May 2019 7:10

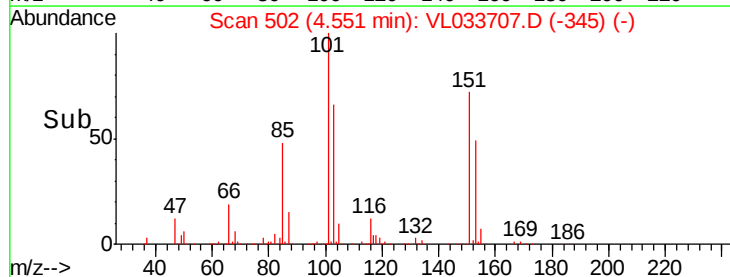
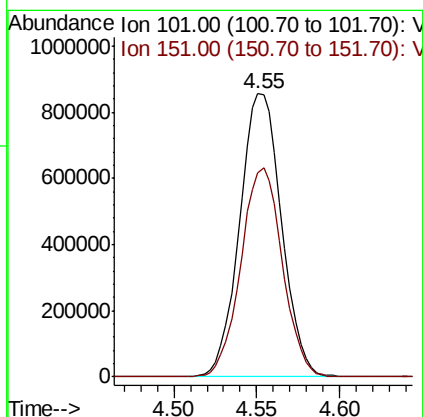
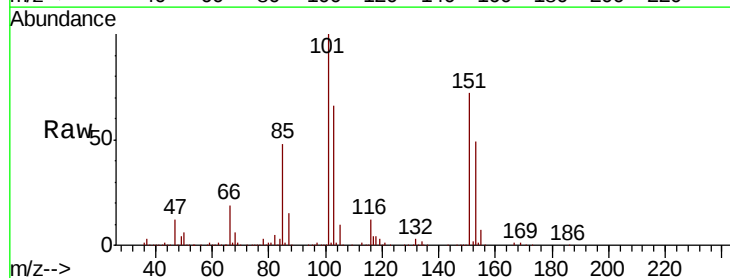
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051719

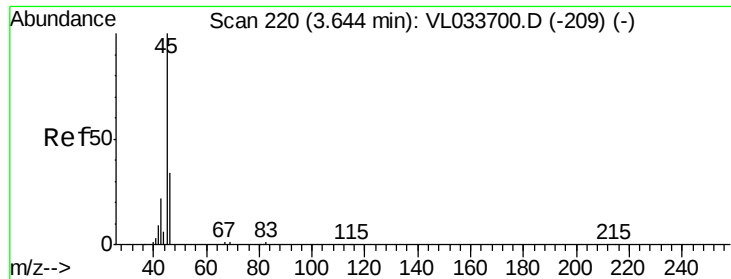
Tgt Ion:101 Resp: 2205520
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.845 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VL033707.D
 Acq: 17 May 2019 7:10

Tgt Ion:101 Resp: 1501759
 Ion Ratio Lower Upper
 101 100
 151 73.3 58.2 87.4





#13

Ethanol

Concen: 7.148 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.01 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

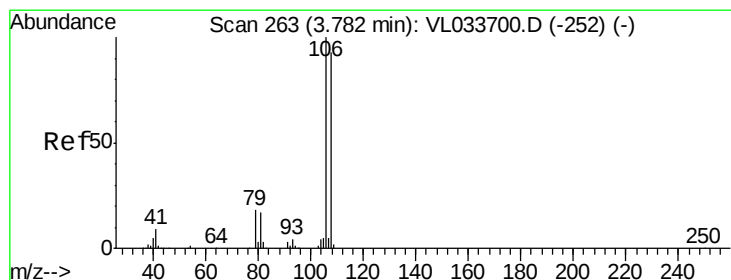
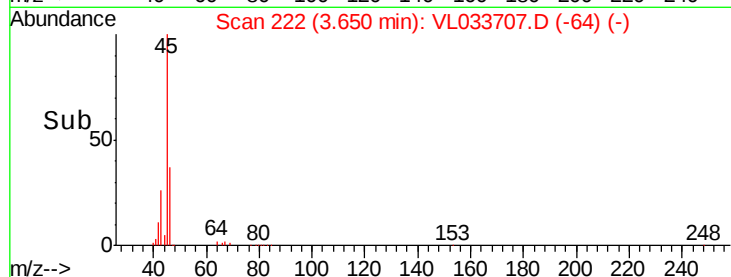
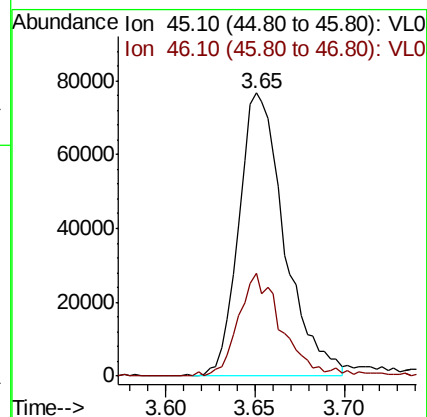
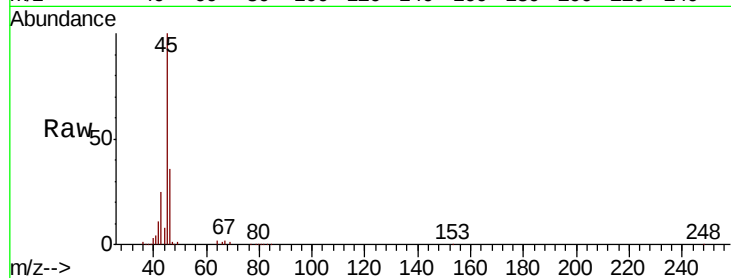
ICVVL051719

Tgt Ion: 45 Resp: 136063

Ion Ratio Lower Upper

45 100

46 35.5 14.8 59.0



#14

Bromoethene

Concen: 9.965 ppbv

RT: 3.79 min Scan# 265

Delta R.T. 0.01 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

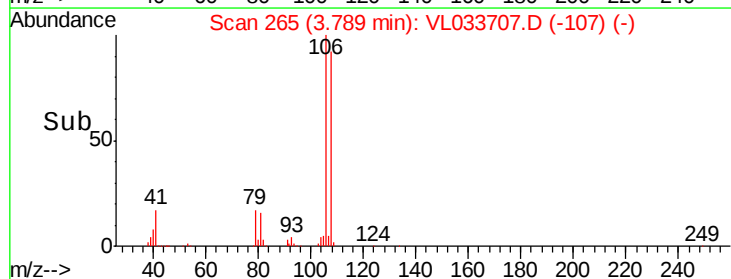
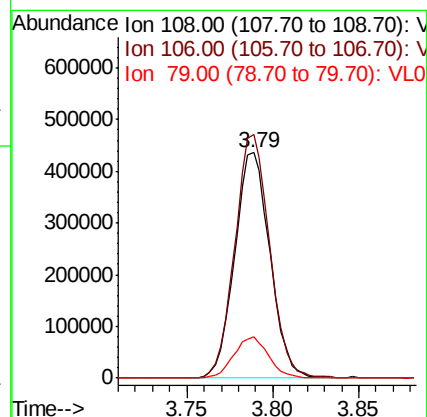
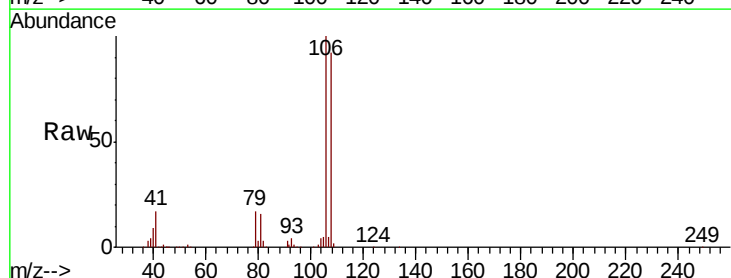
Tgt Ion: 108 Resp: 622019

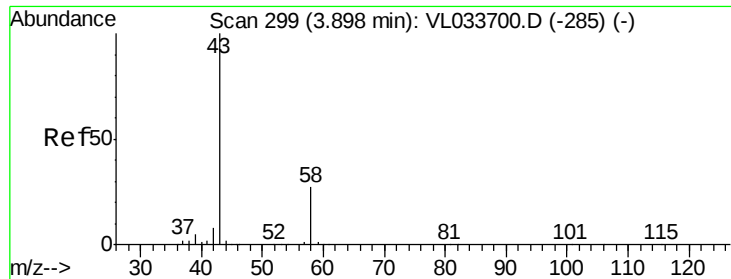
Ion Ratio Lower Upper

108 100

106 107.2 86.5 129.7

79 18.3 15.1 22.7





#15

Acetone

Concen: 8.288 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

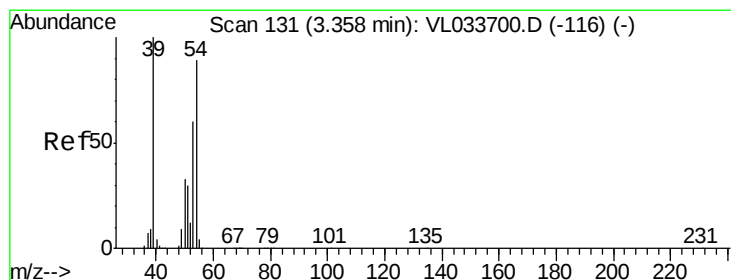
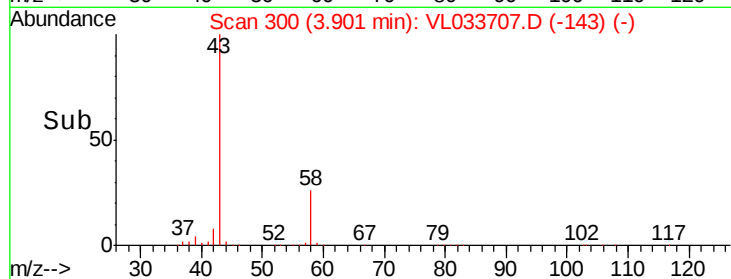
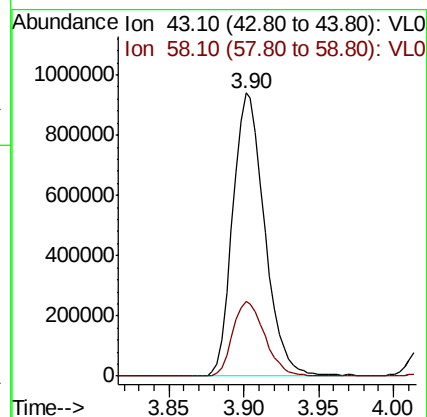
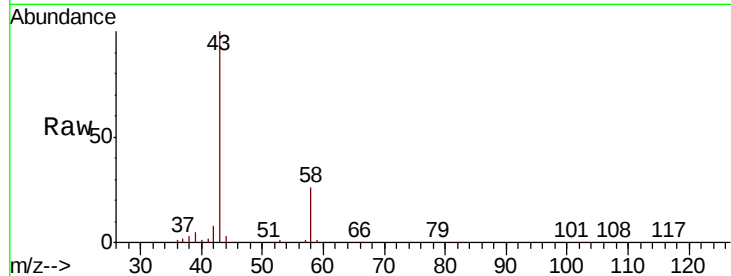
ICVVL051719

Tgt Ion: 43 Resp: 1390000

Ion Ratio Lower Upper

43 100

58 27.1 21.3 31.9



#16

1,3-Butadiene

Concen: 9.810 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.01 min

Lab File: VL033707.D

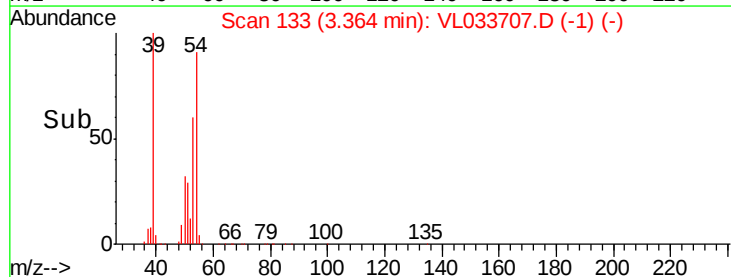
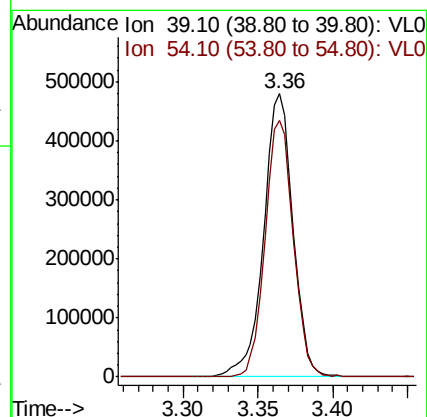
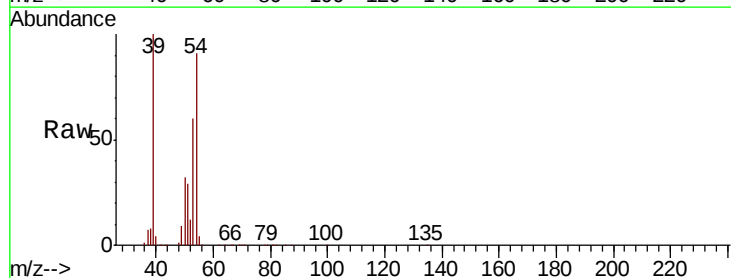
Acq: 17 May 2019 7:10

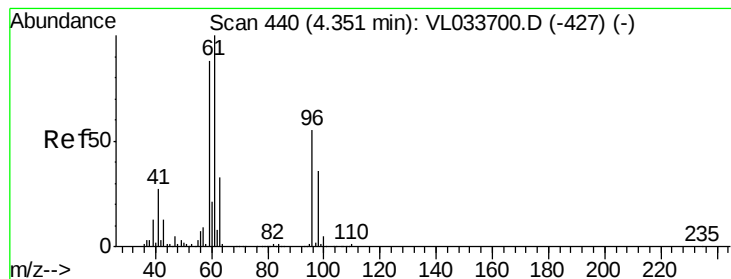
Tgt Ion: 39 Resp: 655173

Ion Ratio Lower Upper

39 100

54 87.2 69.0 103.6





#17

tert-Butyl alcohol

Concen: 9.114 ppbv

RT: 4.36 min Scan# 442

Delta R.T. 0.01 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

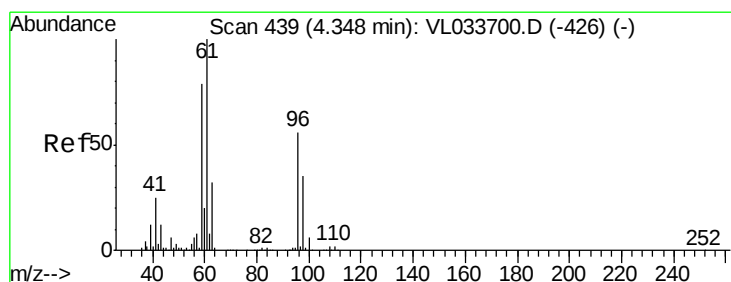
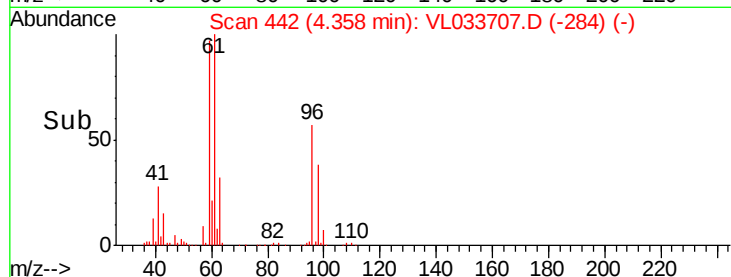
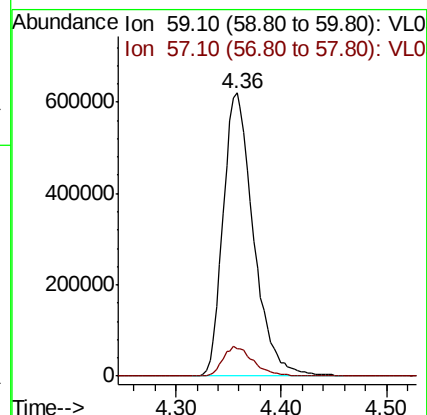
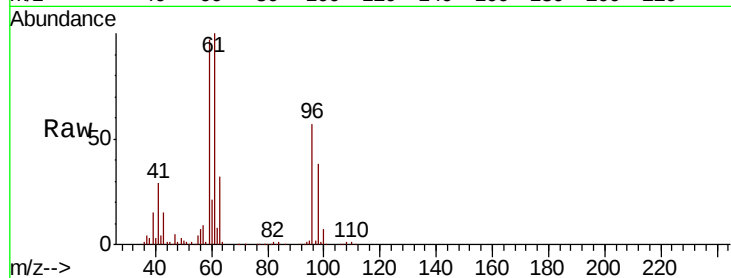
ICVVL051719

Tgt Ion: 59 Resp: 1236009

Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6



#18

1,1-Dichloroethene

Concen: 9.294 ppbv

RT: 4.35 min Scan# 440

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

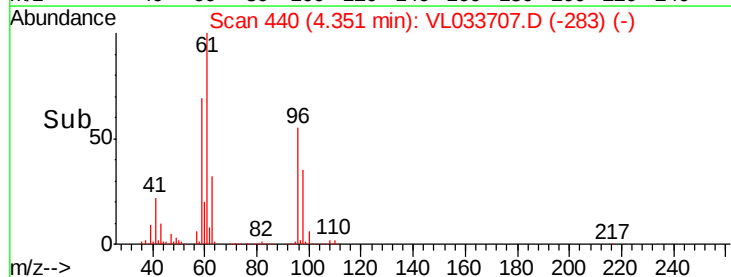
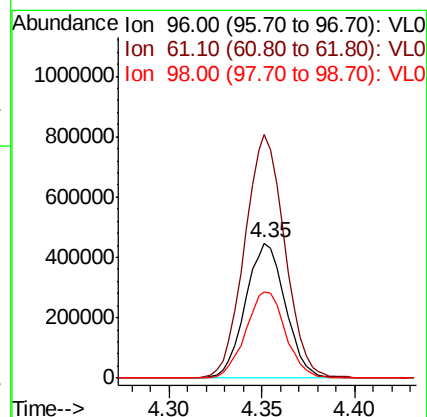
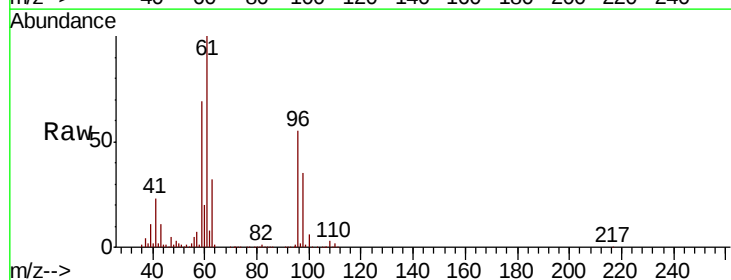
Tgt Ion: 96 Resp: 666036

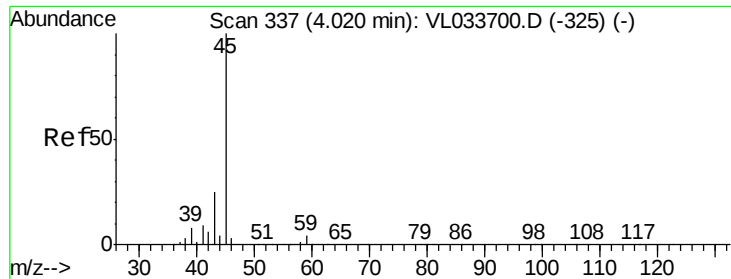
Ion Ratio Lower Upper

96 100

61 180.4 143.1 214.7

98 63.8 49.5 74.3





#19

Isopropyl Alcohol

Concen: 8.811 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

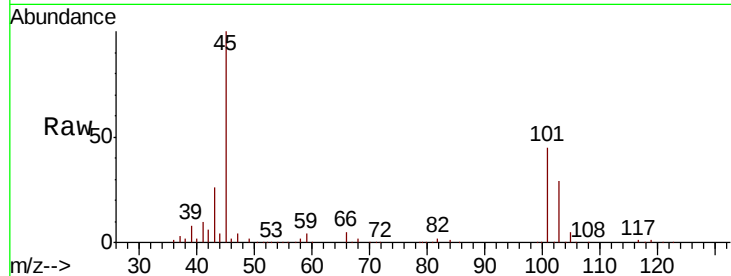
ICVVL051719

Tgt Ion: 45 Resp: 952779

Ion Ratio Lower Upper

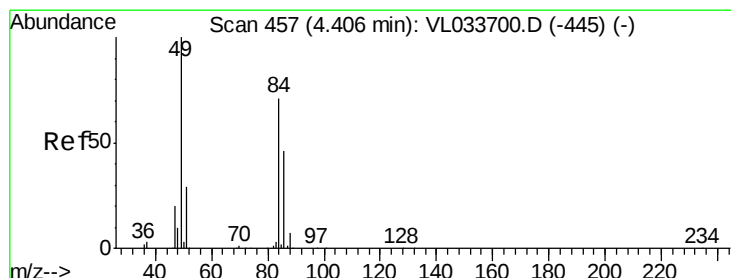
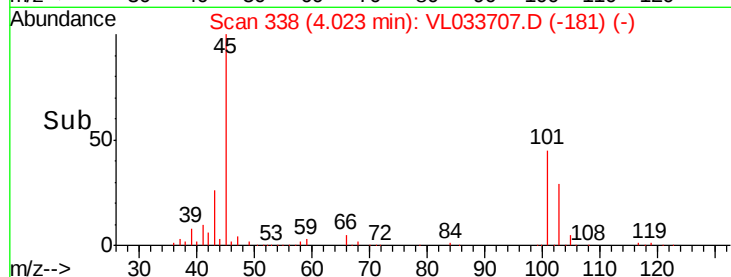
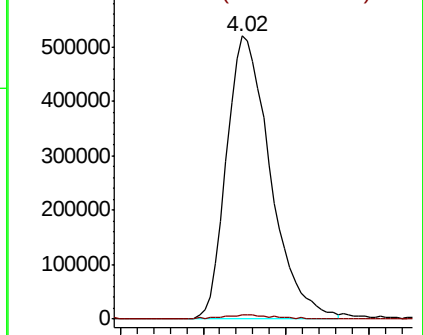
45 100

58 2.1 1.6 2.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.600 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Tgt Ion: 84 Resp: 555318

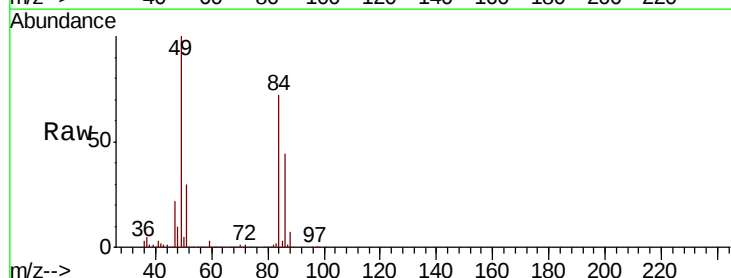
Ion Ratio Lower Upper

84 100

49 137.3 112.8 169.2

51 41.8 33.4 50.0

86 60.9 51.7 77.5

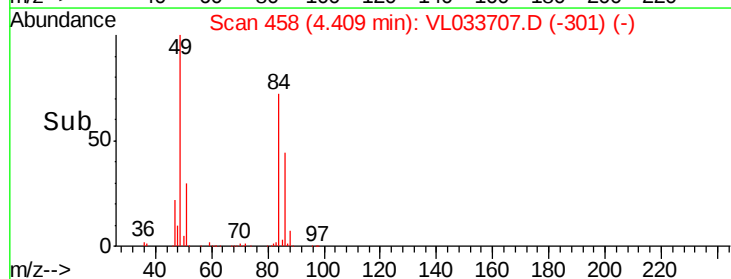
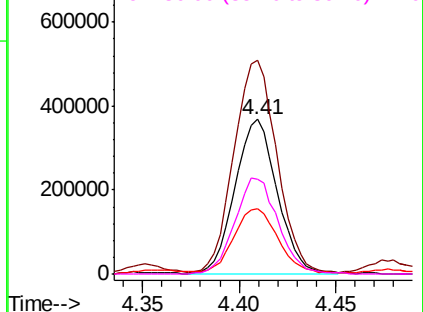


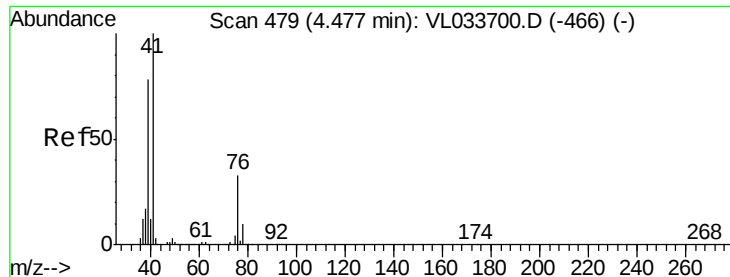
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

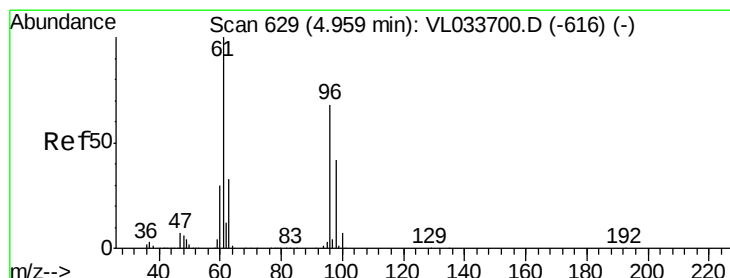
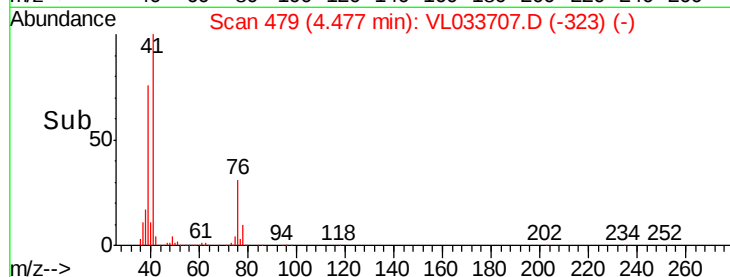
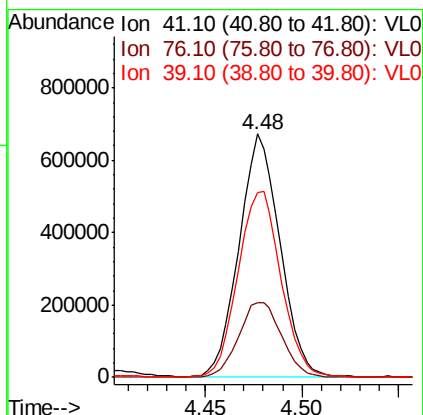
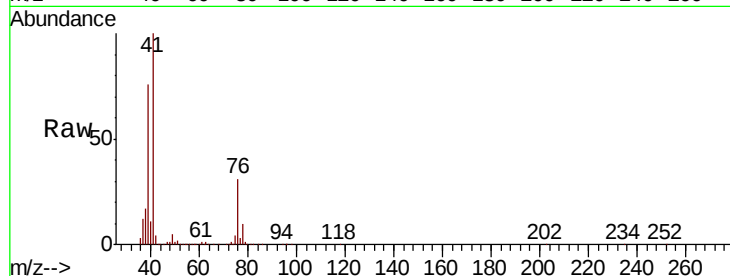




#21
 Allyl Chloride
 Concen: 9.383 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. 0.00 min
 Lab File: VL033707.D
 Acq: 17 May 2019 7:10

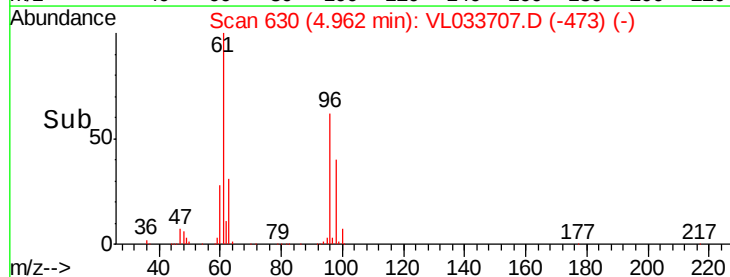
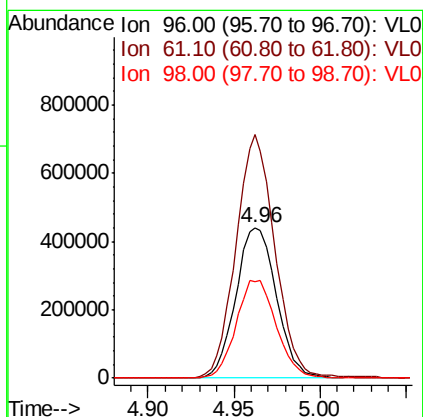
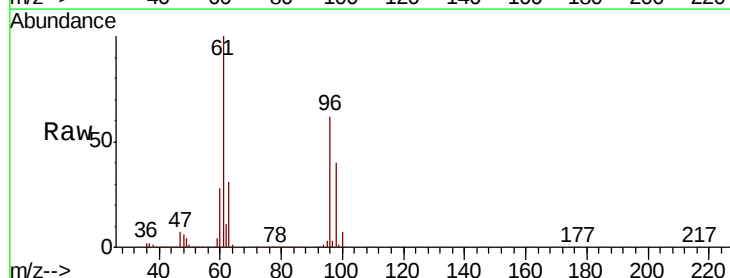
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051719

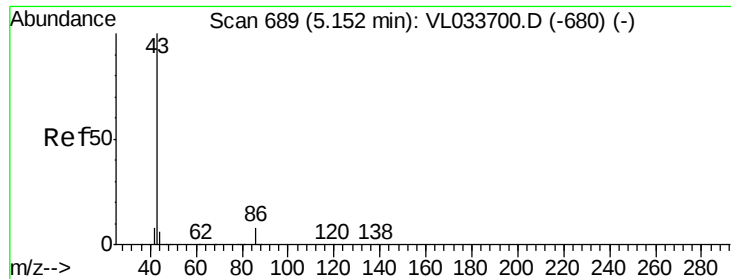
Tgt Ion: 41 Resp: 981536
 Ion Ratio Lower Upper
 41 100
 76 32.9 25.9 38.9
 39 81.1 64.6 97.0



#22
 trans-1,2-Dichloroethene
 Concen: 9.836 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VL033707.D
 Acq: 17 May 2019 7:10

Tgt Ion: 96 Resp: 722522
 Ion Ratio Lower Upper
 96 100
 61 161.4 116.8 175.2
 98 63.9 49.4 74.0





#23

Vinyl Acetate

Concen: 10.341 ppbv

RT: 5.16 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051719

Tgt Ion: 43 Resp: 2286886

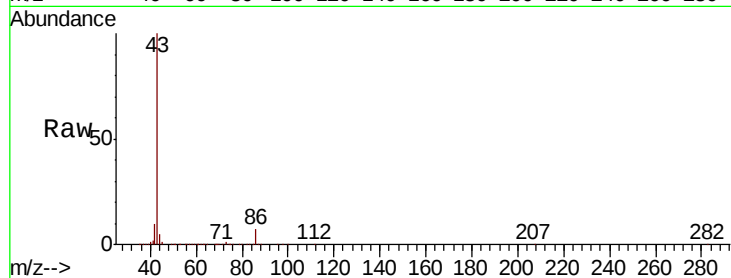
Ion Ratio Lower Upper

43 100

86 7.3 6.0 9.0

42 9.7 7.5 11.3

44 5.1 4.4 6.6

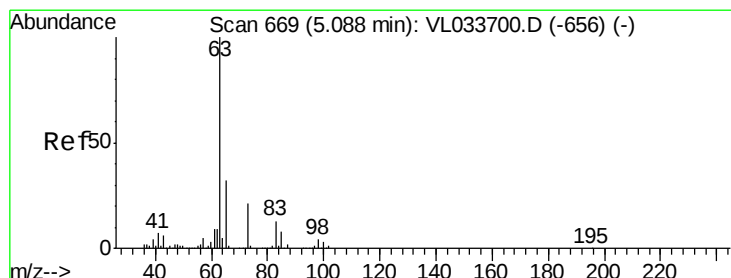
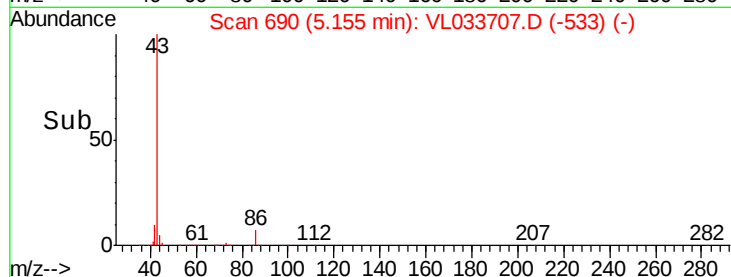
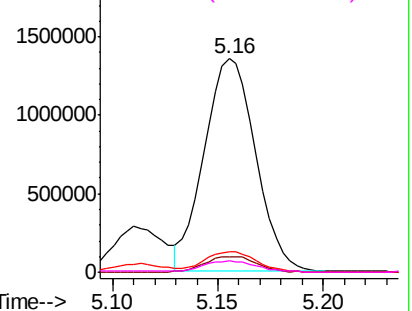


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.415 ppbv

RT: 5.09 min Scan# 670

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

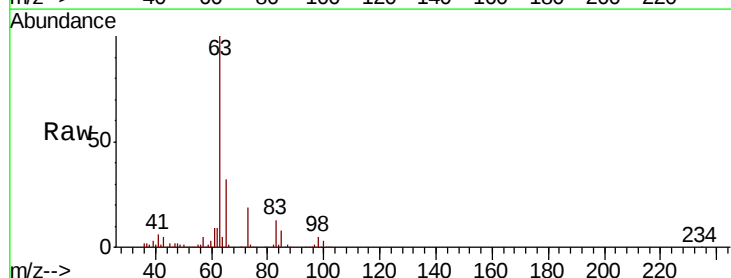
Tgt Ion: 63 Resp: 1582682

Ion Ratio Lower Upper

63 100

98 4.5 1.8 5.5

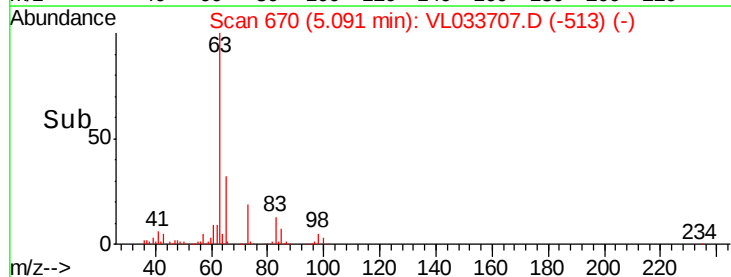
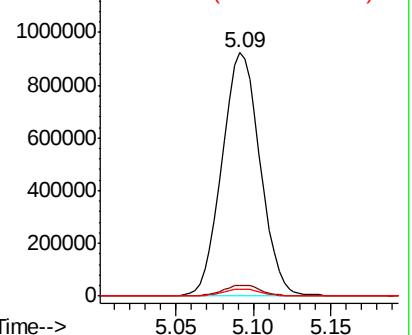
100 2.6 1.4 4.2

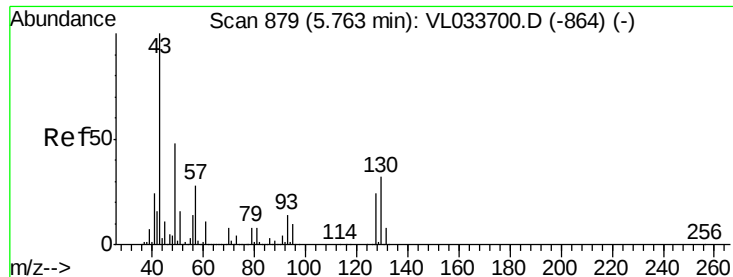


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



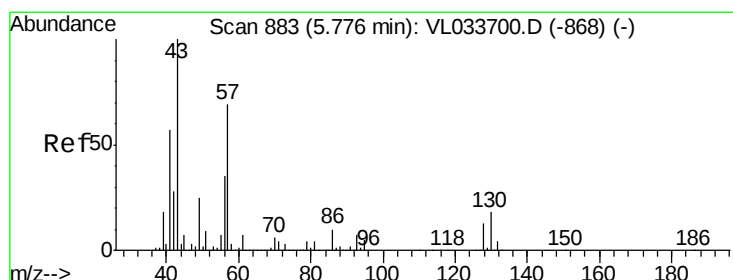
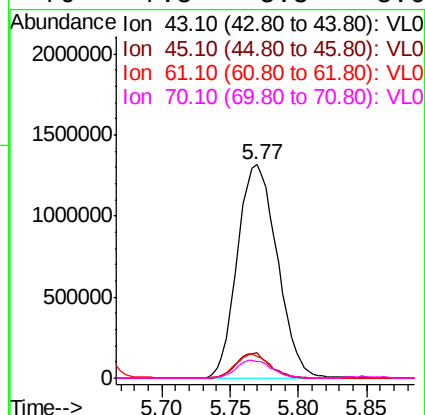
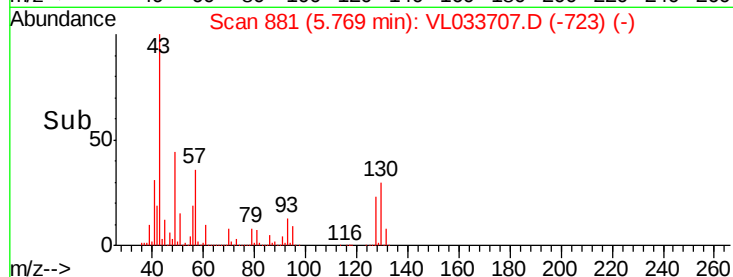
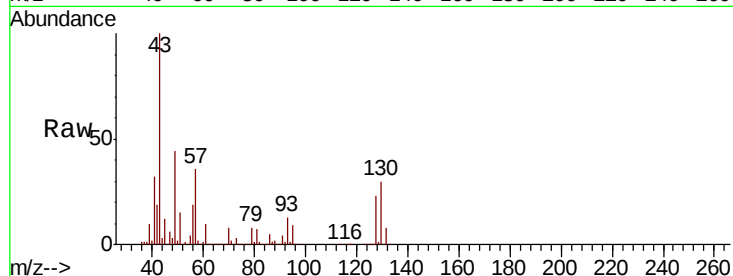


#25
Ethyl Acetate
Concen: 9.110 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.01 min
Lab File: VL033707.D
Acq: 17 May 2019 7:10

Instrument :
MSVOA_L
ClientSampleId :
ICVVL051719

Tgt Ion: 43 Resp: 2684060

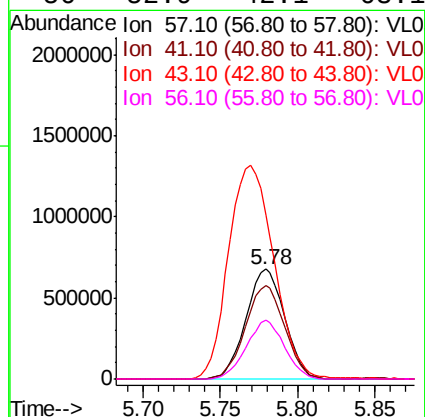
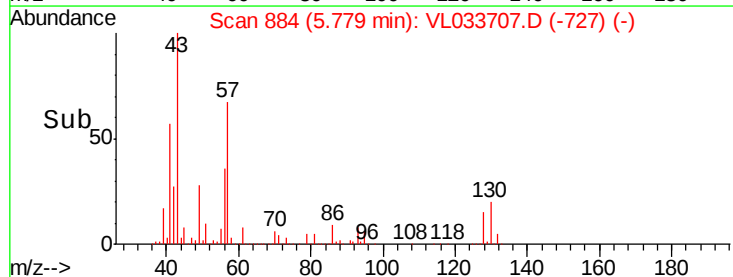
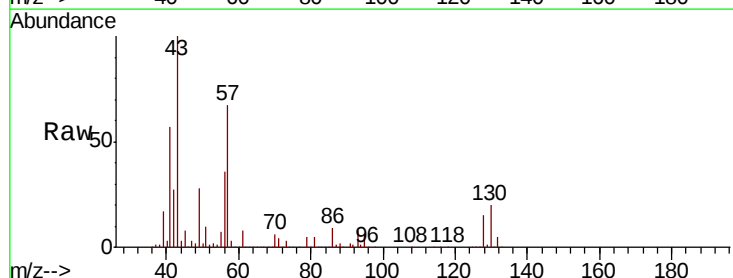
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.9	7.7	11.5
70	7.5	5.8	8.6

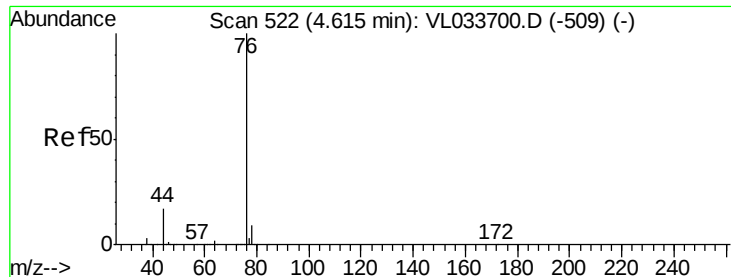


#26
Hexane
Concen: 9.295 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033707.D
Acq: 17 May 2019 7:10

Tgt Ion: 57 Resp: 1177315

Ion	Ratio	Lower	Upper
57	100		
41	87.0	69.8	104.6
43	229.2	181.8	272.6
56	52.9	42.1	63.1





#27

Carbon Disulfide

Concen: 9.931 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.01 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051719

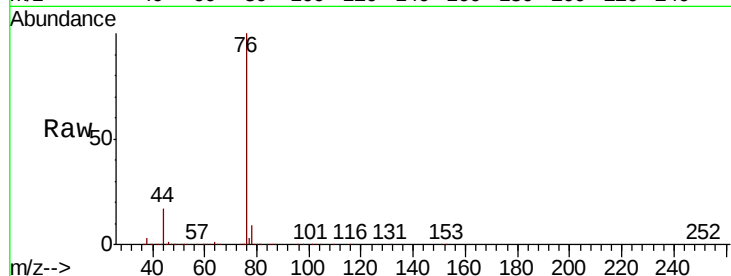
Tgt Ion: 76 Resp: 1725633

Ion Ratio Lower Upper

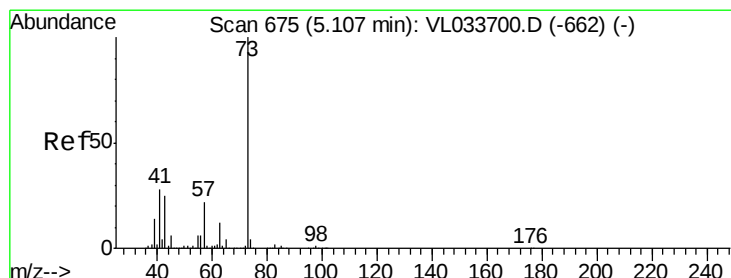
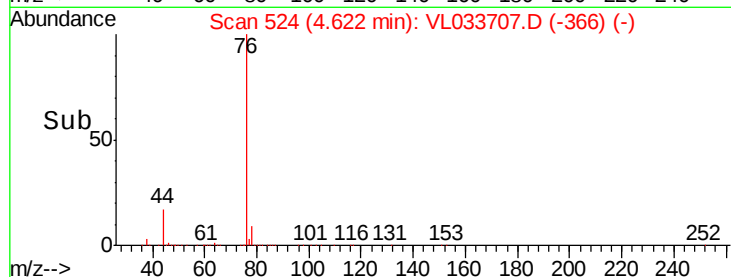
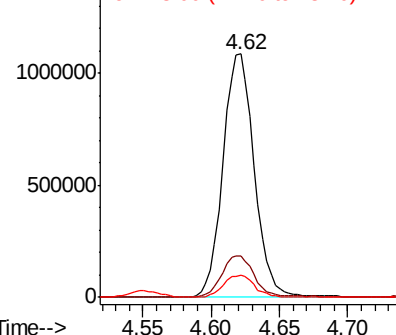
76 100

44 17.7 13.8 20.8

78 9.2 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: 10.215 ppbv

RT: 5.11 min Scan# 677

Delta R.T. 0.01 min

Lab File: VL033707.D

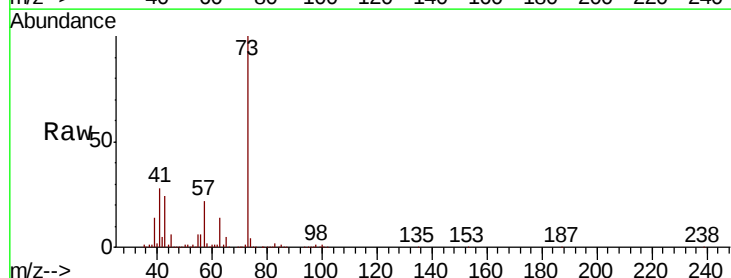
Acq: 17 May 2019 7:10

Tgt Ion: 73 Resp: 2109334

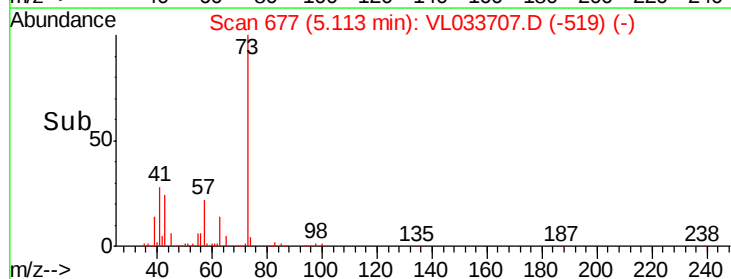
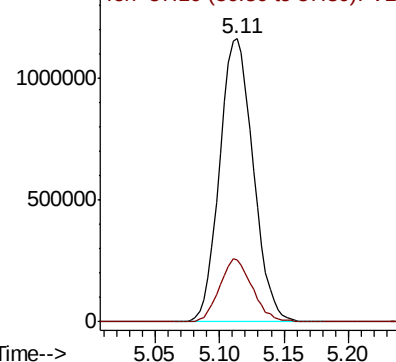
Ion Ratio Lower Upper

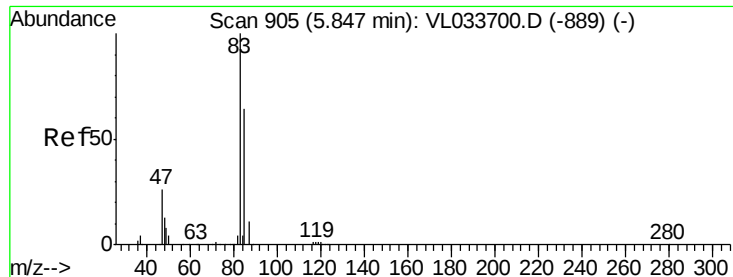
73 100

57 21.7 17.4 26.2



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

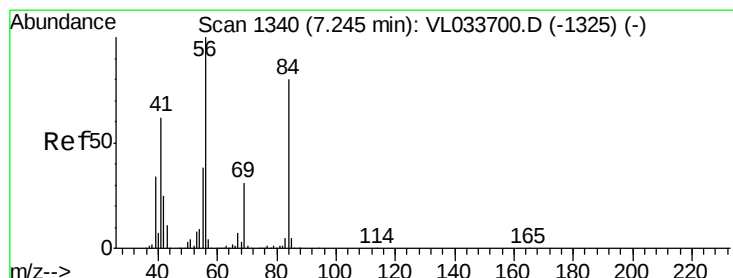
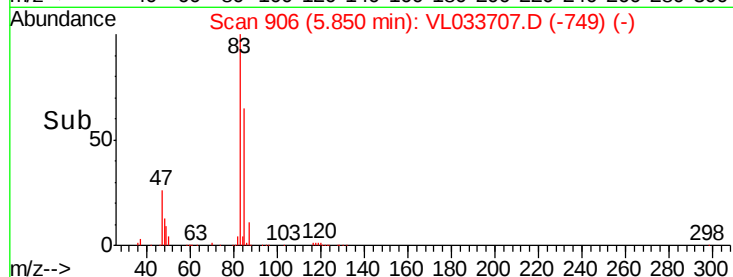
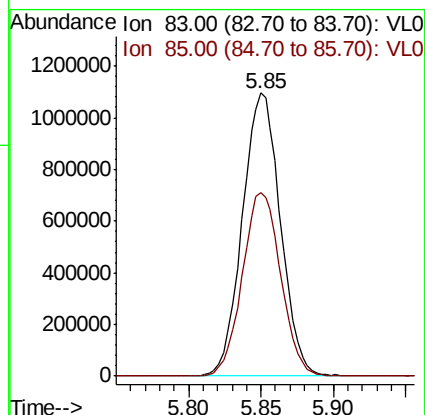
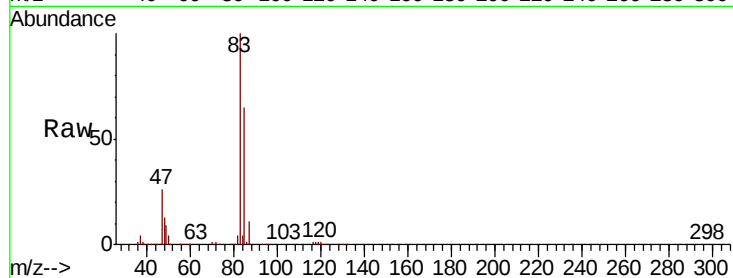




#29
Chloroform
Concen: 8.557 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL033707.D
Acq: 17 May 2019 7:10

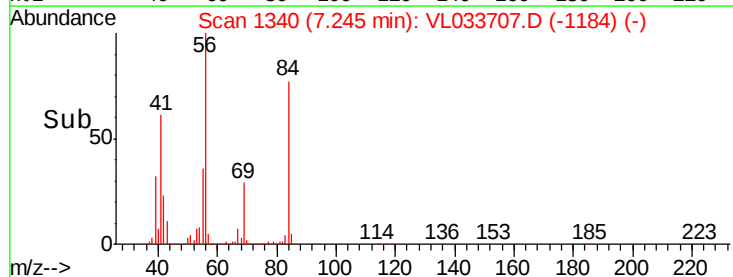
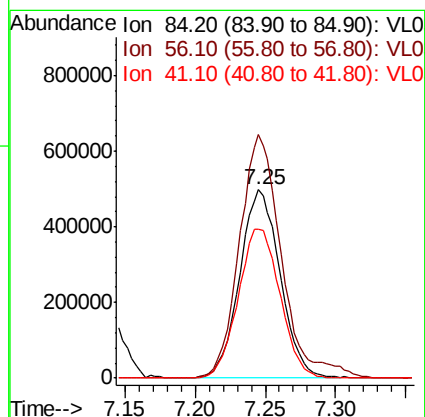
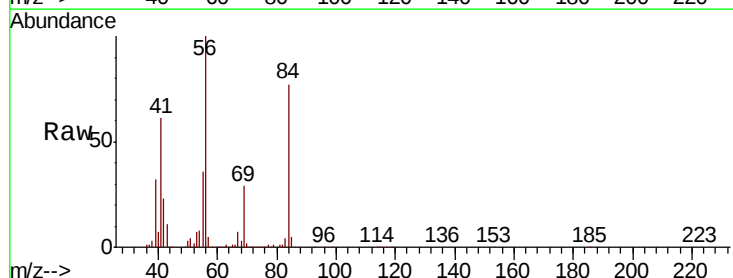
Instrument :
MSVOA_L
ClientSampleId :
ICVVL051719

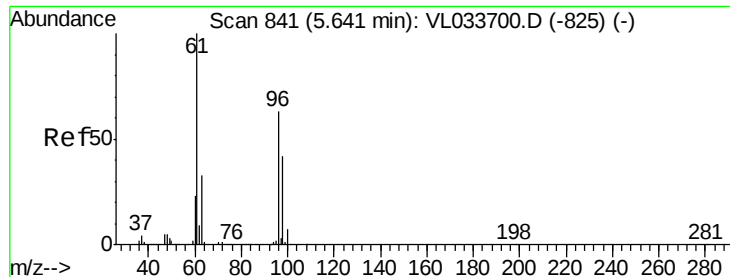
Tgt Ion: 83 Resp: 1996371
Ion Ratio Lower Upper
83 100
85 64.9 51.5 77.3



#30
Cyclohexane
Concen: 9.328 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033707.D
Acq: 17 May 2019 7:10

Tgt Ion: 84 Resp: 993289
Ion Ratio Lower Upper
84 100
56 135.7 107.7 161.5
41 82.6 66.0 99.0



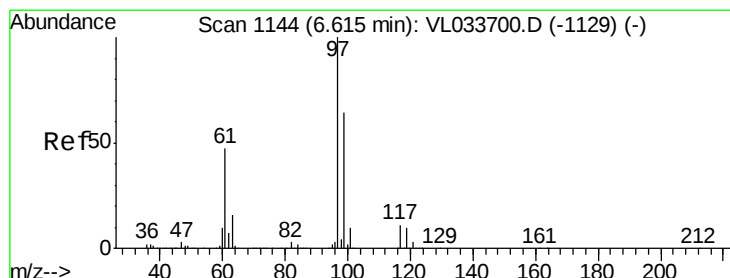
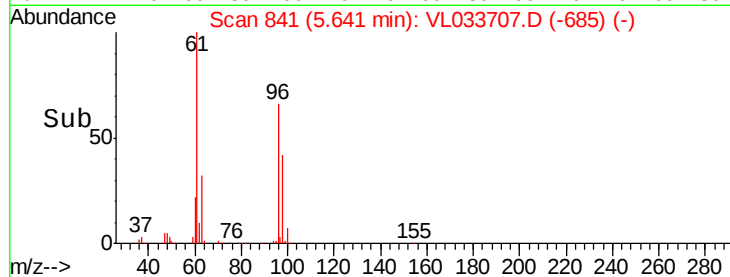
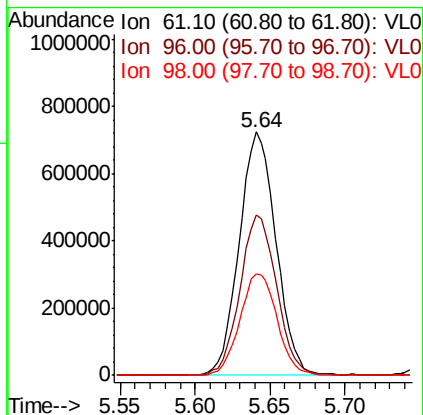
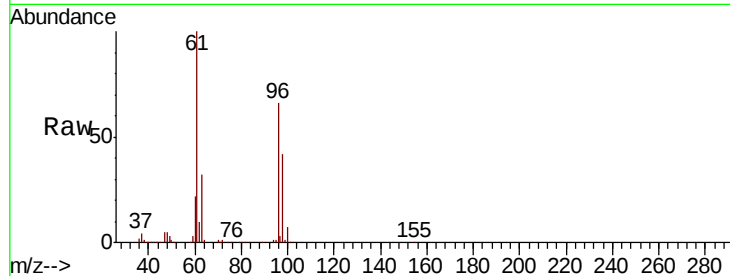


#31

cis-1,2-Dichloroethene
 Concen: 9.865 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. 0.00 min
 Lab File: VL033707.D
 Acq: 17 May 2019 7:10

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051719

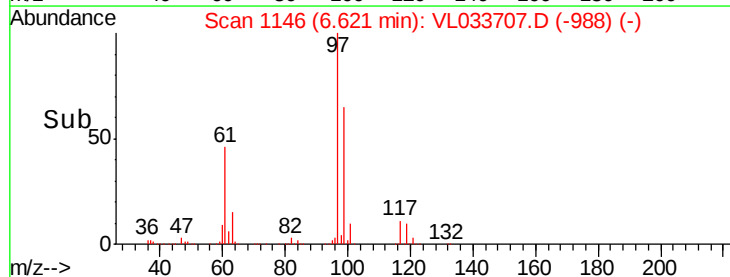
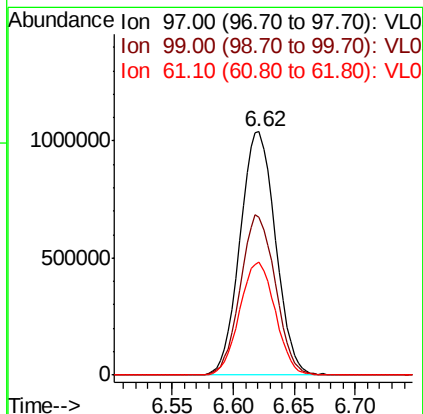
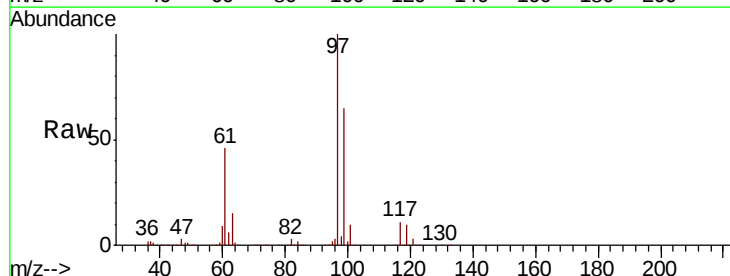
Tgt Ion: 61 Resp: 1238961
 Ion Ratio Lower Upper
 61 100
 96 65.8 50.8 76.2
 98 41.8 33.3 49.9

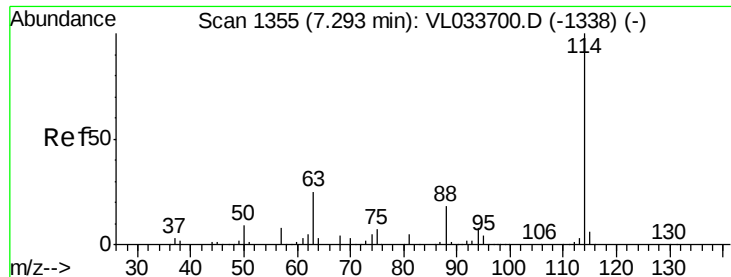


#32

1,1,1-Trichloroethane
 Concen: 8.957 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: VL033707.D
 Acq: 17 May 2019 7:10

Tgt Ion: 97 Resp: 2086676
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.5 77.3
 61 46.8 37.8 56.8

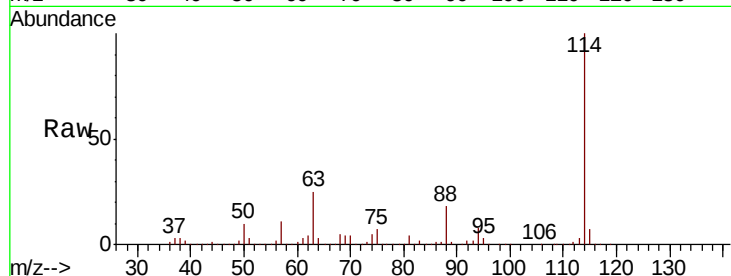




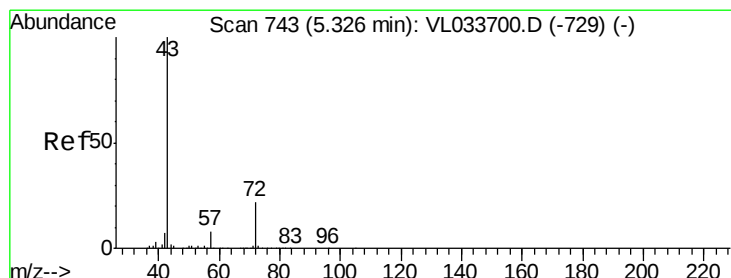
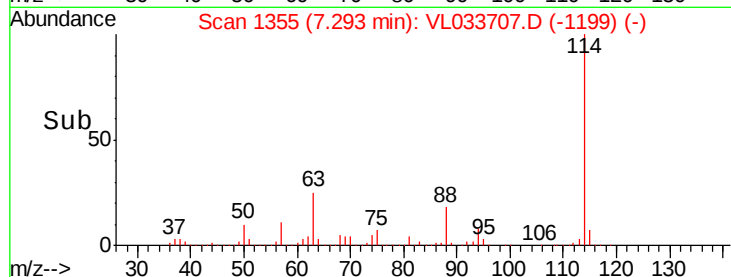
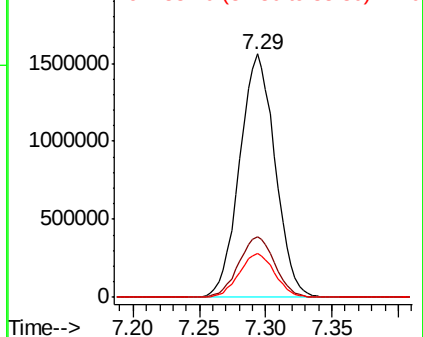
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. 0.00 min
 Lab File: VL033707.D
 Acq: 17 May 2019 7:10

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051719

Tgt Ion:114 Resp: 2903982
 Ion Ratio Lower Upper
 114 100
 63 25.8 20.9 31.3
 88 18.0 14.3 21.5

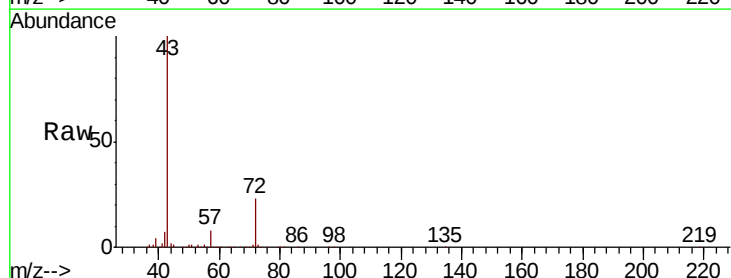


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

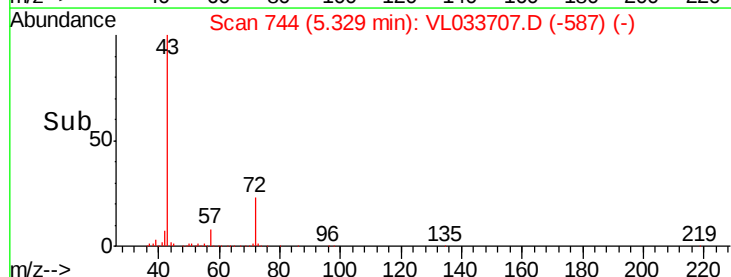
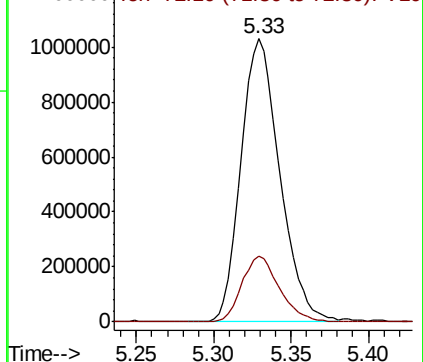


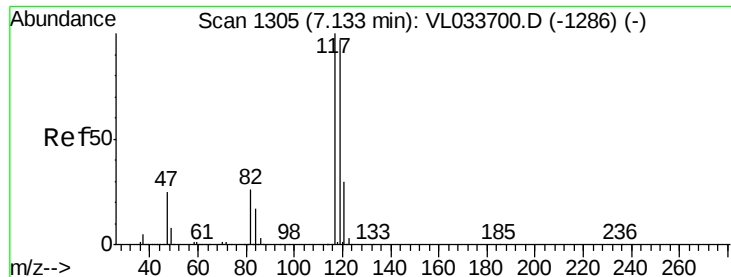
#34
 2-Butanone
 Concen: 9.977 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VL033707.D
 Acq: 17 May 2019 7:10

Tgt Ion: 43 Resp: 1795833
 Ion Ratio Lower Upper
 43 100
 72 22.7 17.8 26.6



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





#35

Carbon Tetrachloride

Concen: 9.370 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051719

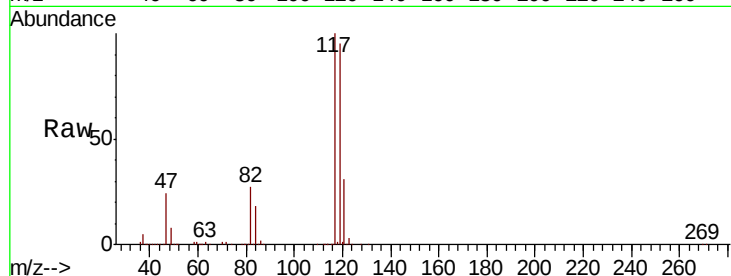
Tgt Ion:117 Resp: 2179691

Ion Ratio Lower Upper

117 100

119 95.2 77.2 115.8

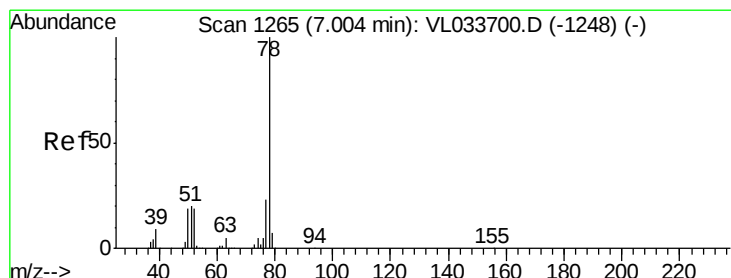
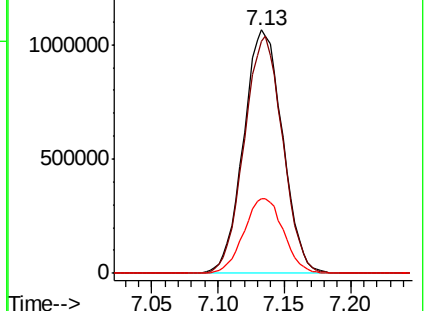
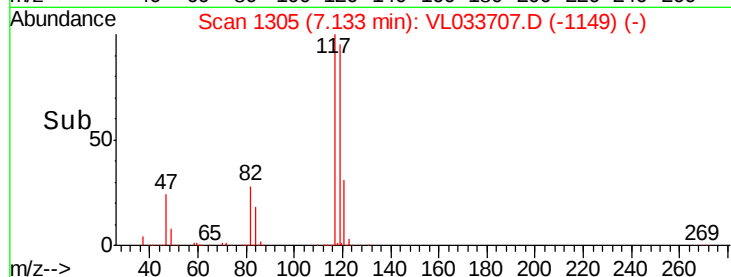
121 30.8 24.1 36.1



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: 9.587 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

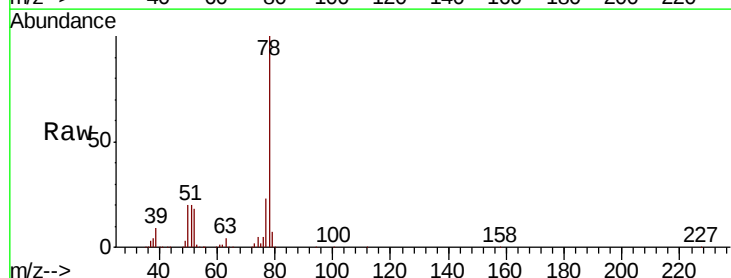
Tgt Ion: 78 Resp: 2532523

Ion Ratio Lower Upper

78 100

77 23.0 18.4 27.6

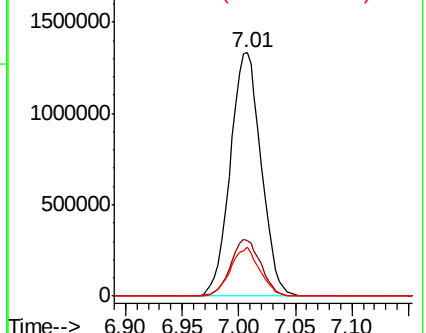
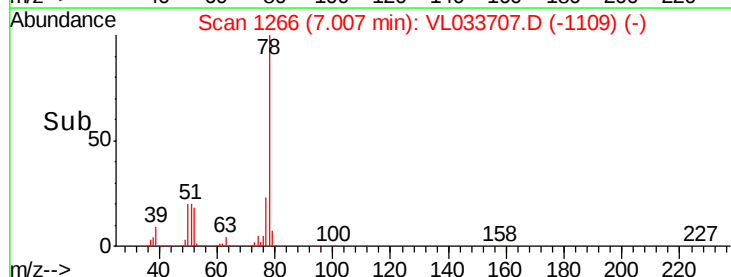
50 20.1 15.5 23.3

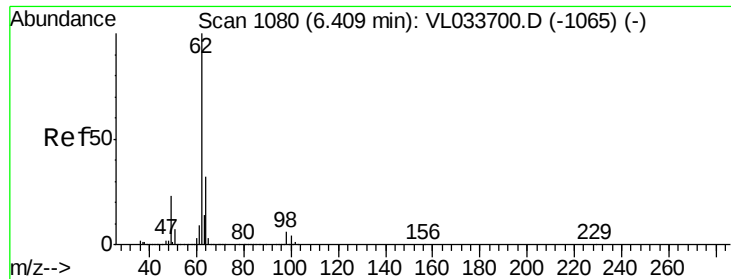


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 8.933 ppbv

RT: 6.42 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

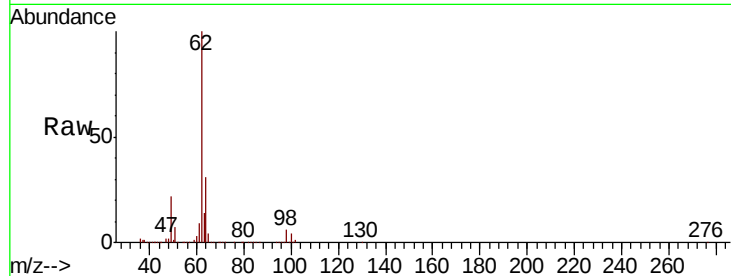
ICVVL051719

Tgt Ion: 62 Resp: 1522173

Ion Ratio Lower Upper

62 100

98 5.9 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.42

800000

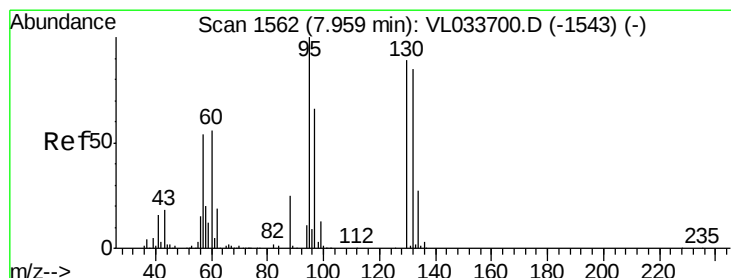
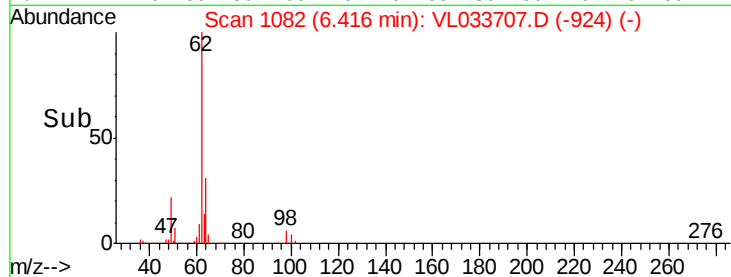
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 10.208 ppbv

RT: 7.96 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Tgt Ion: 130 Resp: 1000628

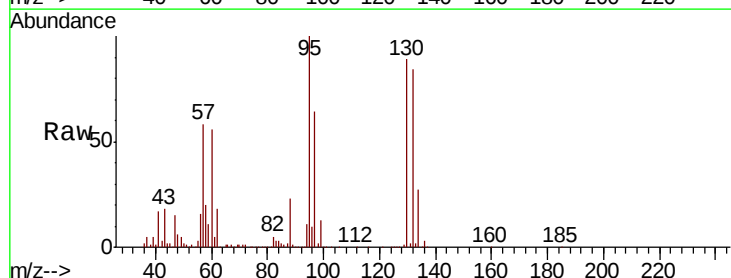
Ion Ratio Lower Upper

130 100

95 113.0 90.2 135.4

132 94.5 76.4 114.6

97 72.8 59.8 89.6



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

800000

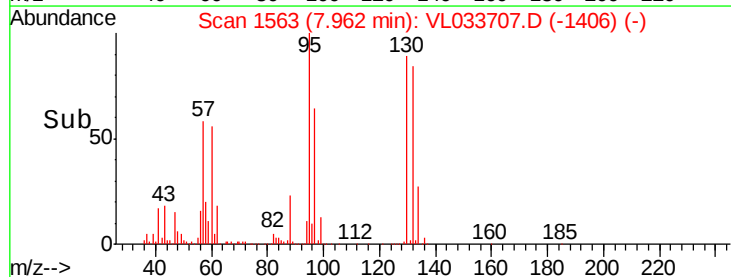
600000

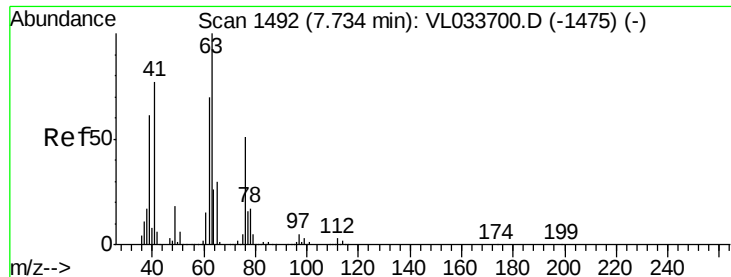
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 9.461 ppbv

RT: 7.74 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051719

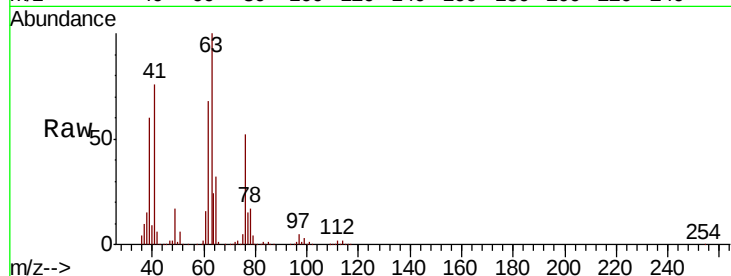
Tgt Ion: 63 Resp: 931812

Ion Ratio Lower Upper

63 100

41 76.4 61.5 92.3

62 68.5 56.2 84.4

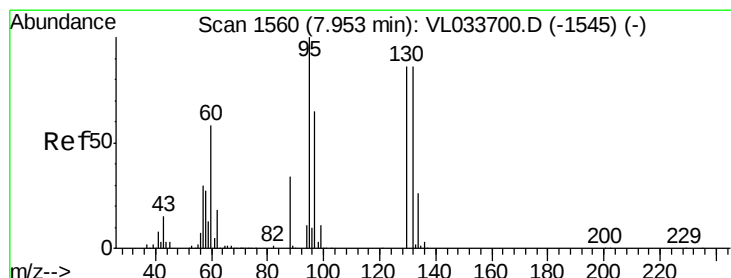
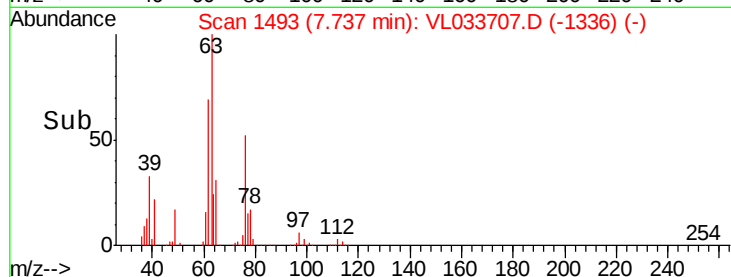
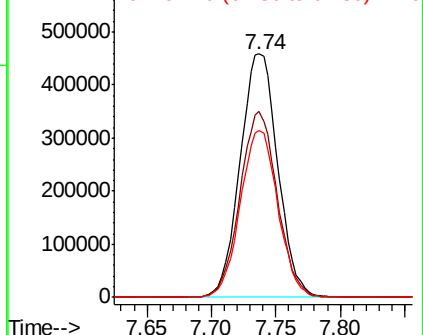


Abundance

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: 9.048 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Tgt Ion: 88 Resp: 372757

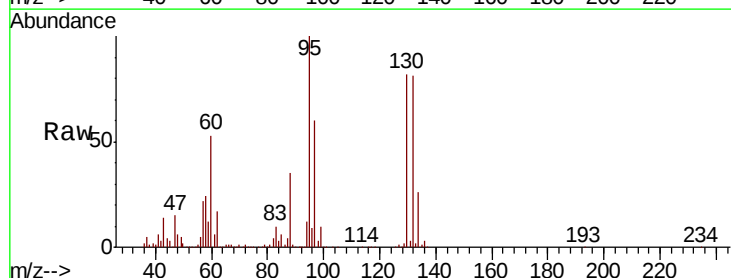
Ion Ratio Lower Upper

88 100

58 125.9 101.8 152.6

43 0.0 0.0 0.0

57 0.0 0.0 0.0



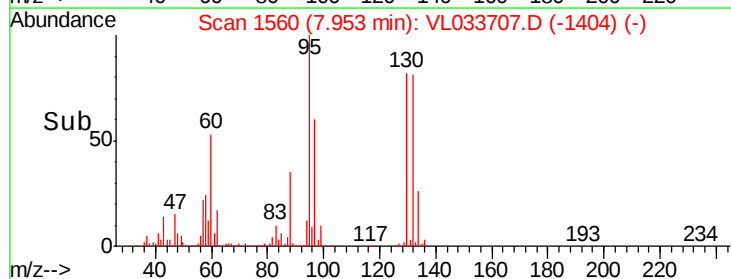
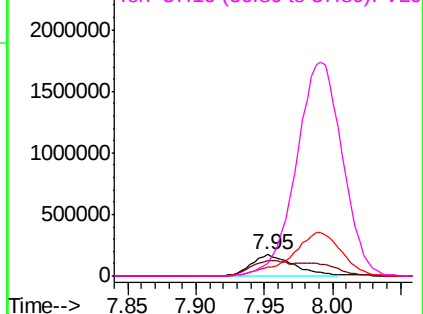
Abundance

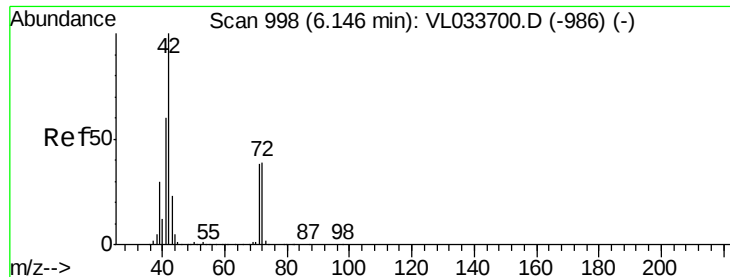
Ion 88.10 (87.80 to 88.80): VL0

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

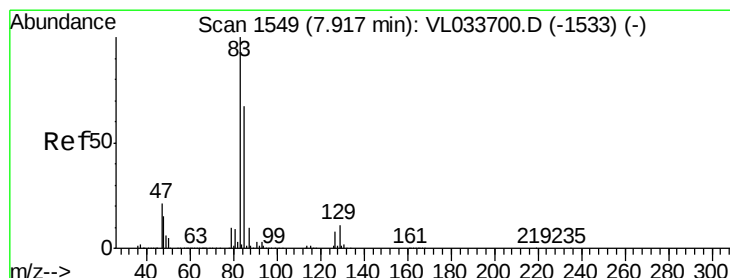
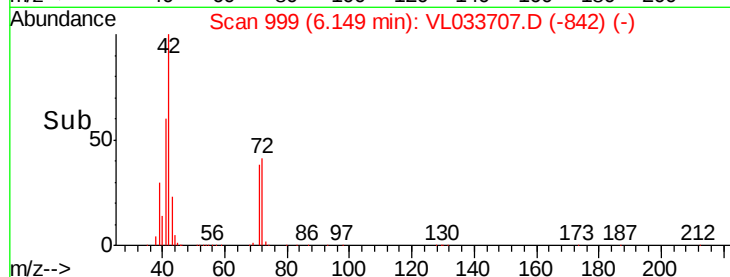
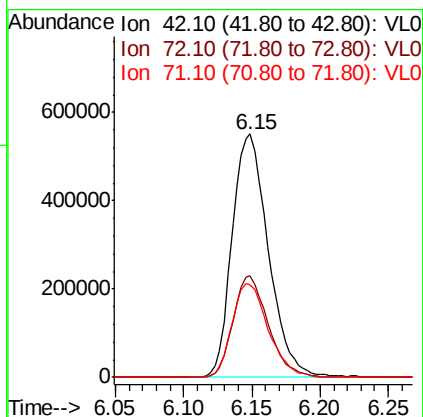
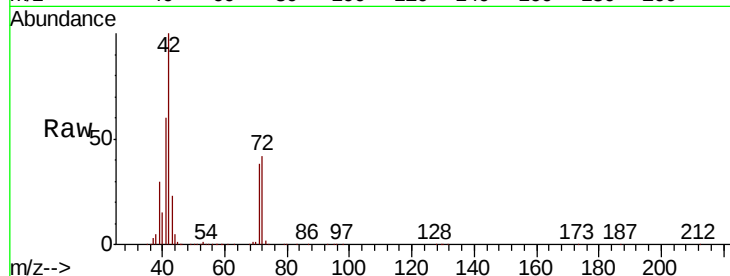




#41
Tetrahydrofuran
Concen: 10.081 ppbv
RT: 6.15 min Scan# 999
Delta R.T. 0.00 min
Lab File: VL033707.D
Acq: 17 May 2019 7:10

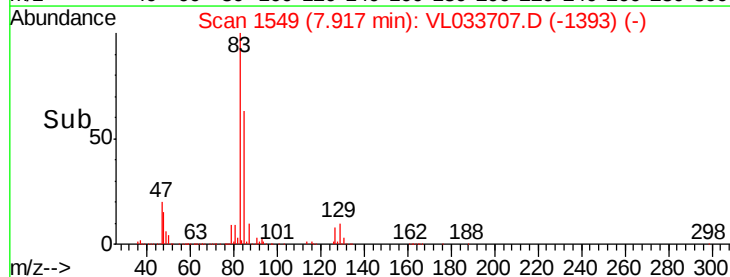
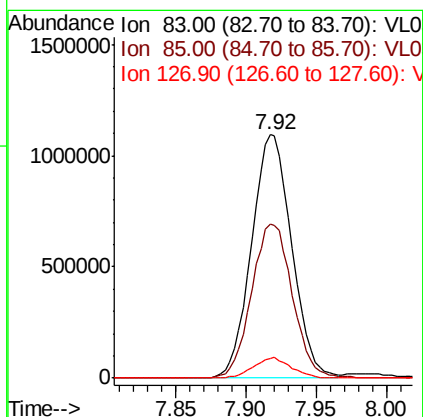
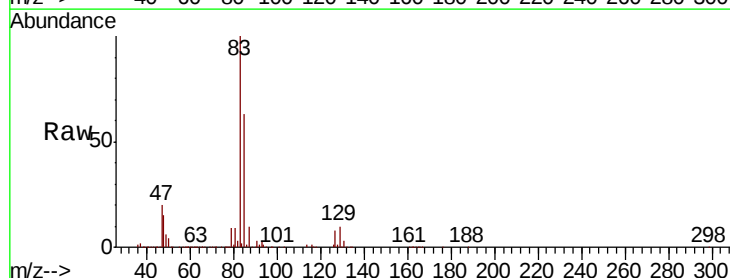
Instrument :
MSVOA_L
ClientSampleId :
ICVVL051719

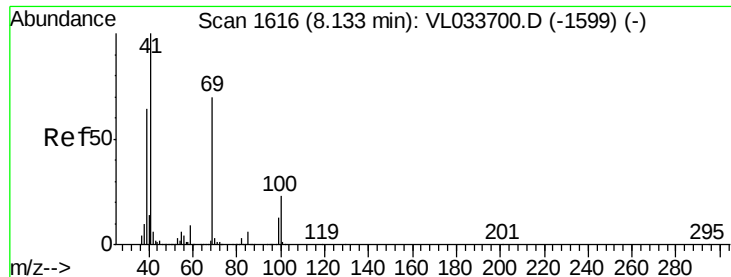
Tgt Ion: 42 Resp: 1016719
Ion Ratio Lower Upper
42 100
72 40.6 32.0 48.0
71 38.9 30.4 45.6



#42
Bromodichloromethane
Concen: 9.329 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. 0.00 min
Lab File: VL033707.D
Acq: 17 May 2019 7:10

Tgt Ion: 83 Resp: 2176219
Ion Ratio Lower Upper
83 100
85 63.2 53.3 79.9
127 8.1 6.5 9.7

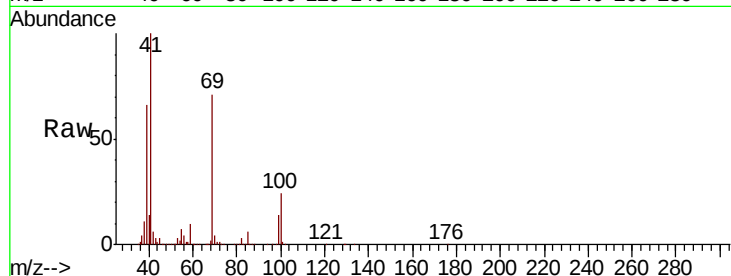




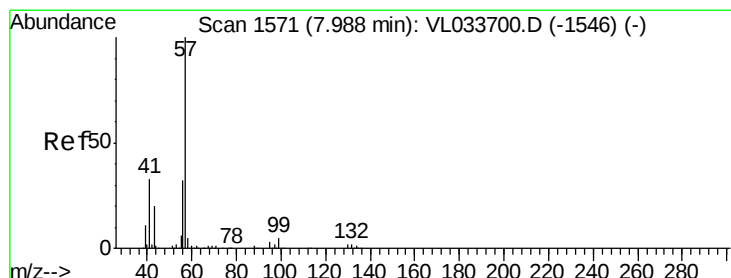
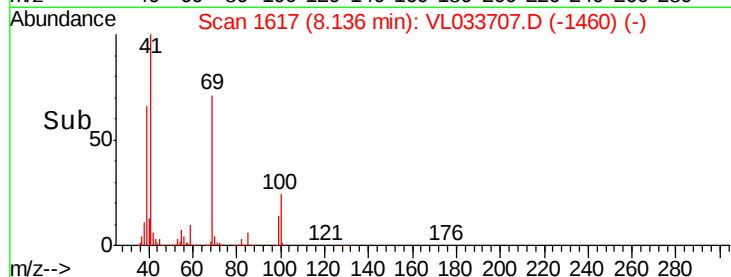
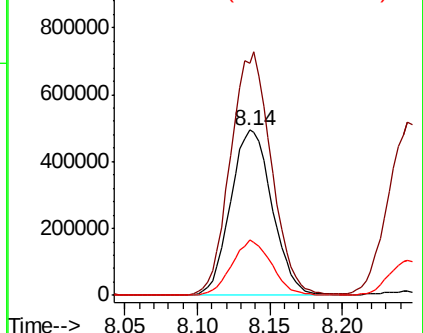
#43
Methyl Methacrylate
Concen: 10.138 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VL033707.D
Acq: 17 May 2019 7:10

Instrument :
MSVOA_L
ClientSampleId :
ICVVL051719

Tgt Ion: 69 Resp: 985588
Ion Ratio Lower Upper
69 100
41 144.5 116.3 174.5
100 31.9 25.3 37.9

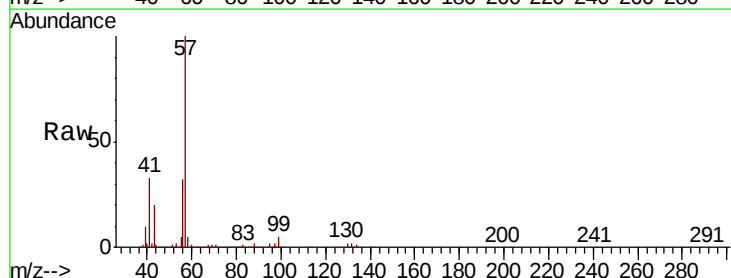


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

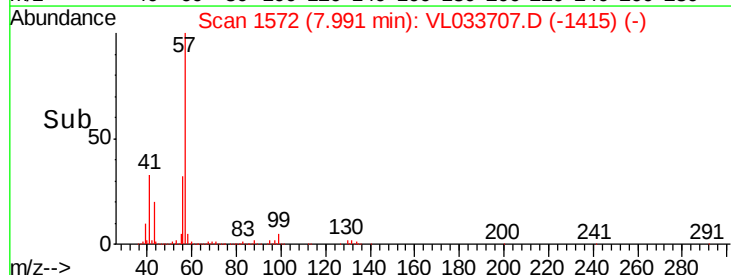
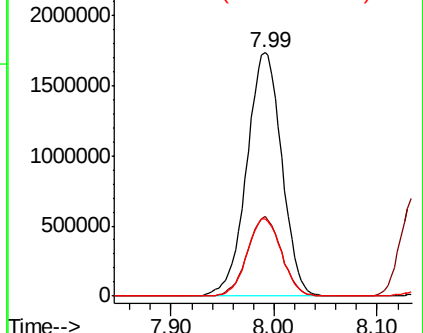


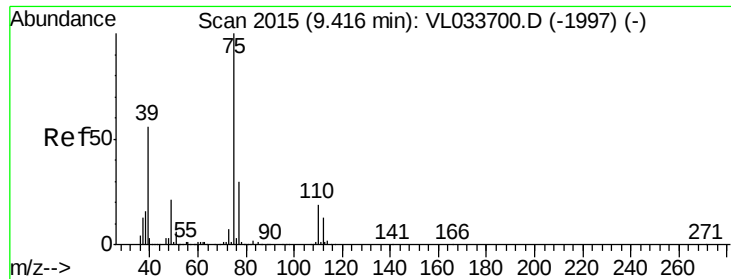
#44
2,2,4-Trimethylpentane
Concen: 9.167 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VL033707.D
Acq: 17 May 2019 7:10

Tgt Ion: 57 Resp: 4092747
Ion Ratio Lower Upper
57 100
41 31.6 25.4 38.0
56 31.1 24.7 37.1



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 11.062 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

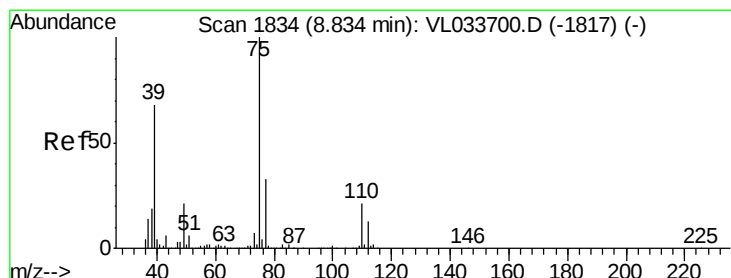
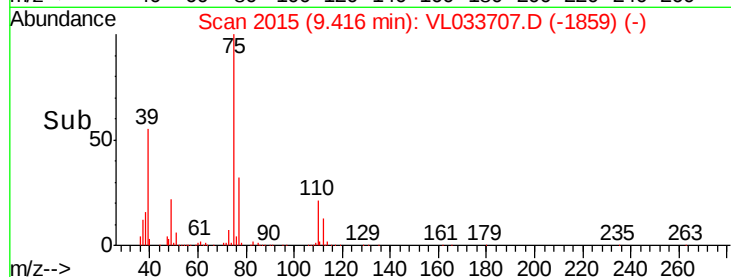
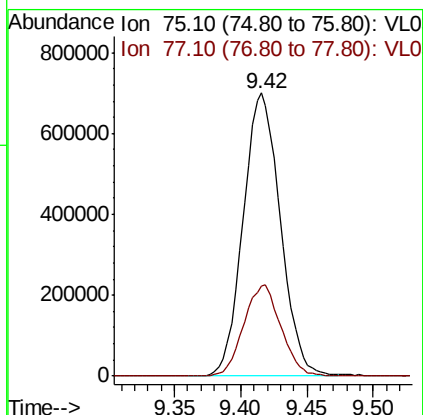
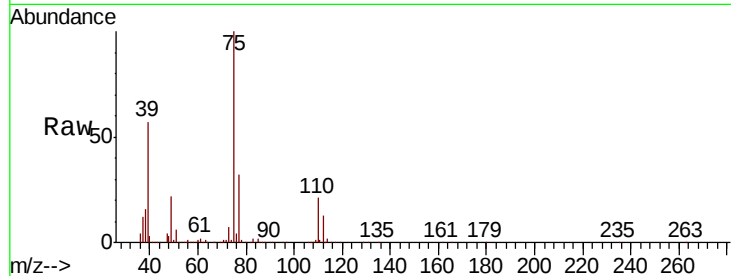
ICVVL051719

Tgt Ion: 75 Resp: 1363324

Ion Ratio Lower Upper

75 100

77 32.0 24.4 36.6



#46

cis-1,3-Dichloropropene

Concen: 10.663 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

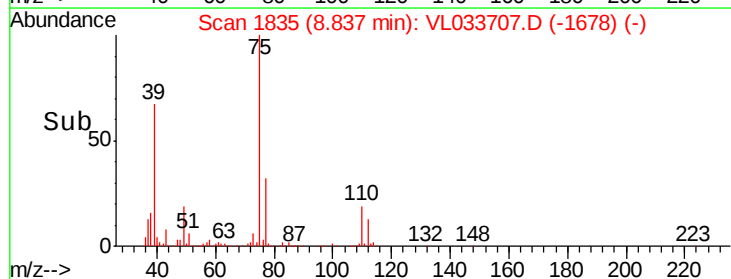
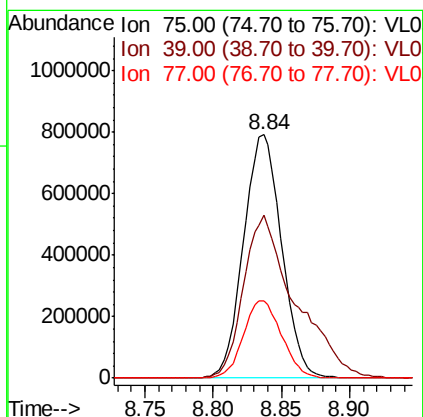
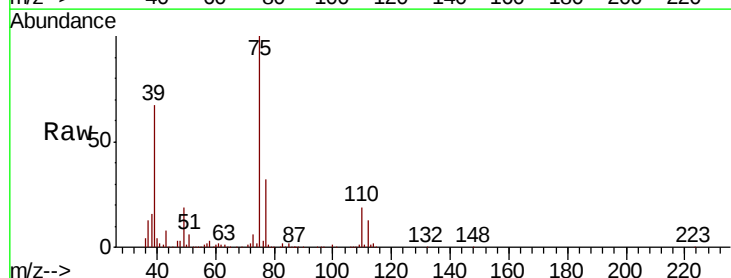
Tgt Ion: 75 Resp: 1538846

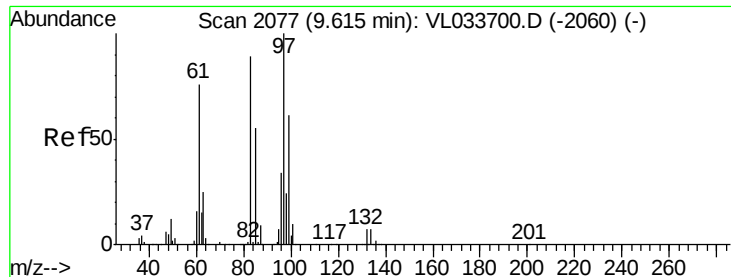
Ion Ratio Lower Upper

75 100

39 66.9 54.4 81.6

77 32.0 26.6 39.8





#47

1,1,2-Trichloroethane

Concen: 9.269 ppbv

RT: 9.61 min Scan# 2077

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051719

Tgt Ion: 97 Resp: 1037017

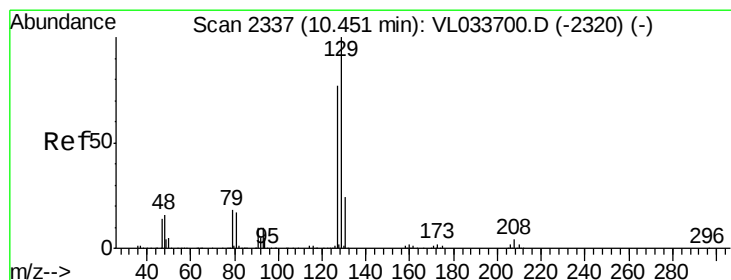
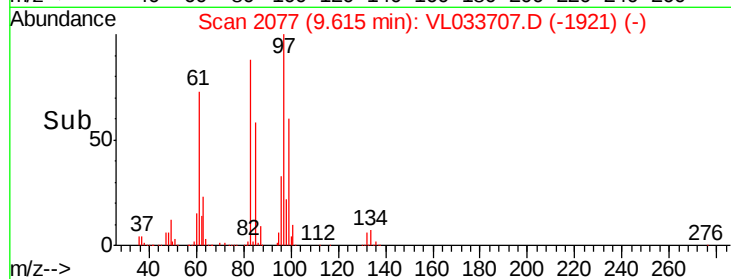
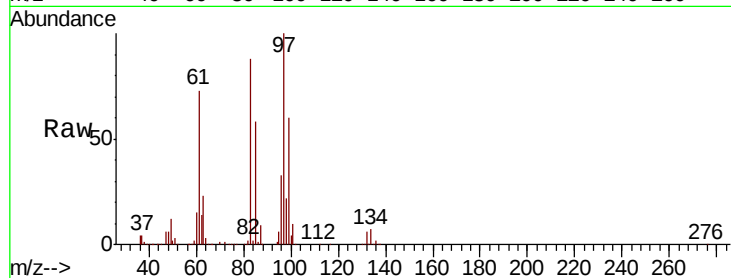
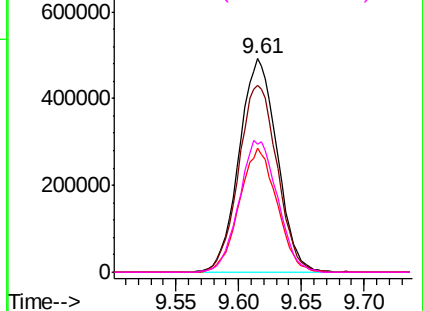
Ion	Ratio	Lower	Upper
97	100		
83	87.4	70.8	106.2
85	57.8	43.7	65.5
99	59.6	48.7	73.1

Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.680 ppbv

RT: 10.45 min Scan# 2337

Delta R.T. 0.00 min

Lab File: VL033707.D

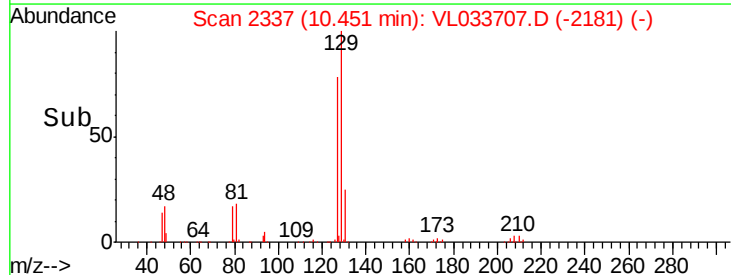
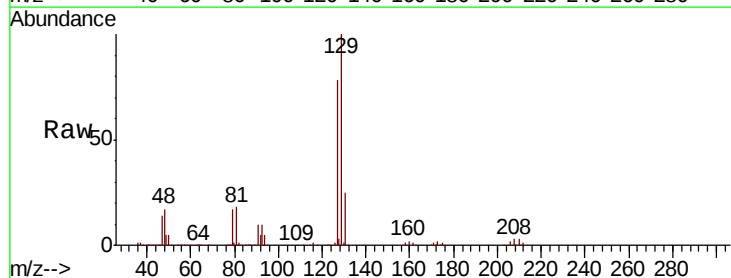
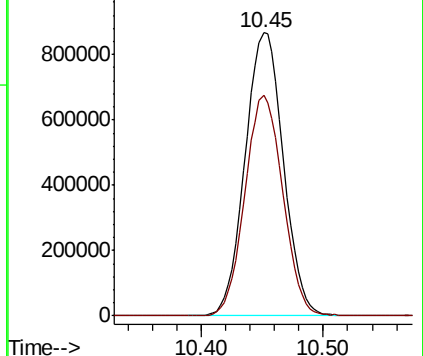
Acq: 17 May 2019 7:10

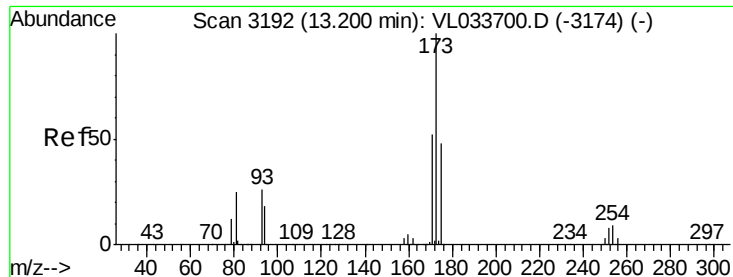
Tgt Ion: 129 Resp: 1876557

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.6	116.0

Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.957 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051719

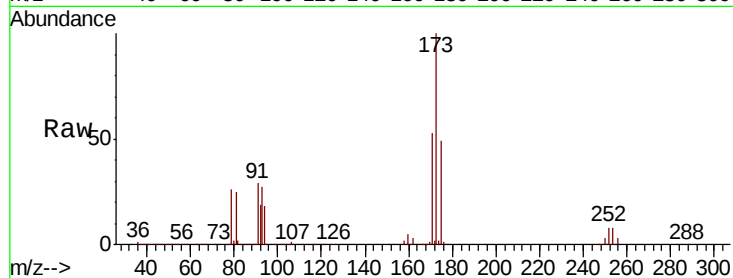
Tgt Ion:173 Resp: 1624102

Ion Ratio Lower Upper

173 100

175 49.0 38.6 58.0

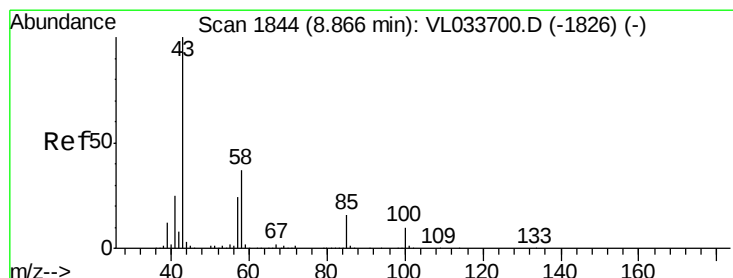
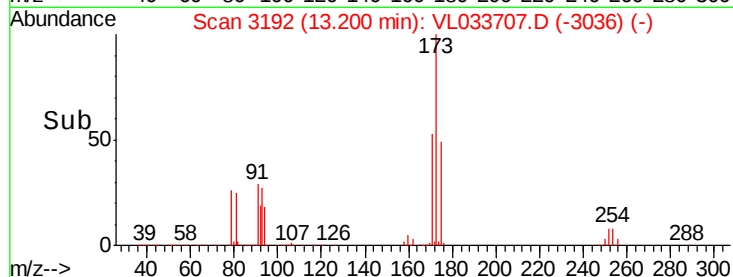
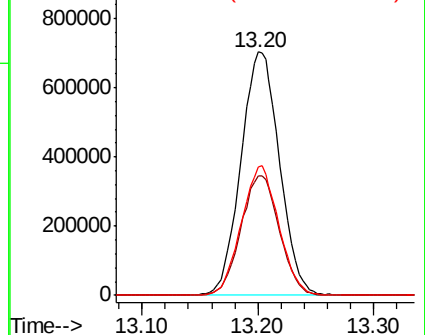
171 51.7 41.5 62.3



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: 9.460 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VL033707.D

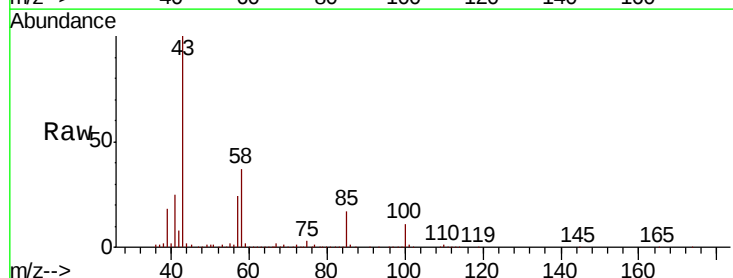
Acq: 17 May 2019 7:10

Tgt Ion: 43 Resp: 2619085

Ion Ratio Lower Upper

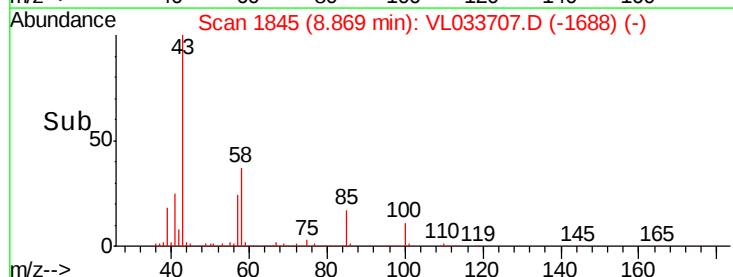
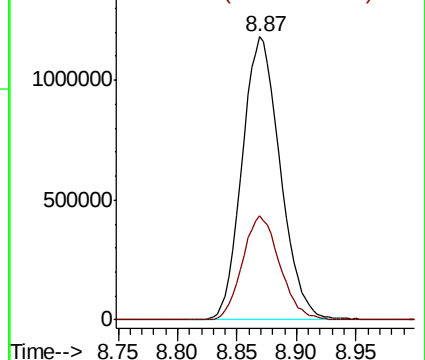
43 100

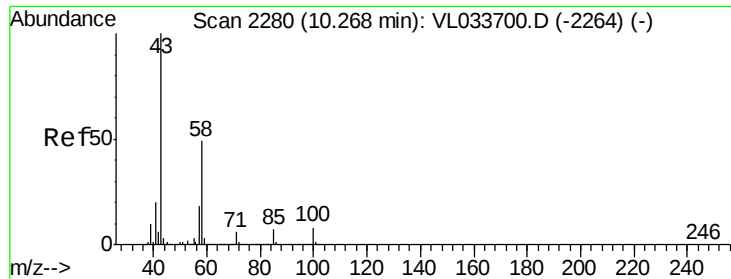
58 36.1 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

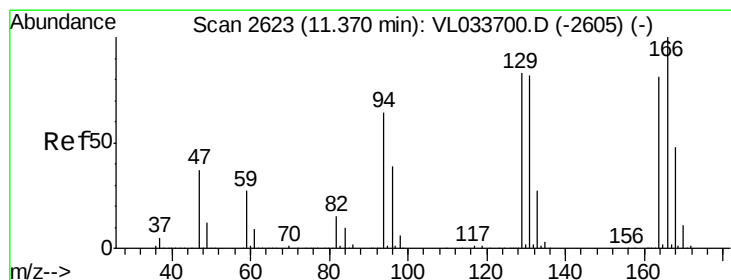
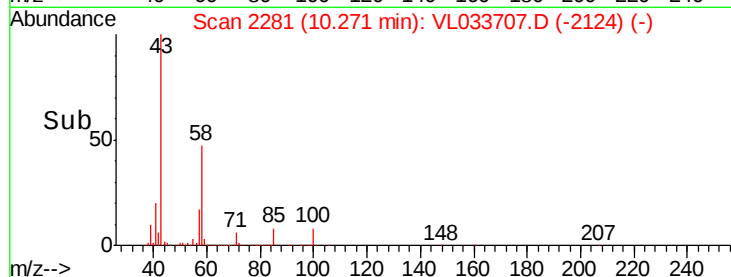
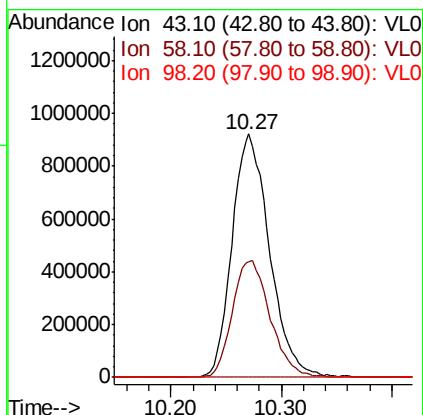
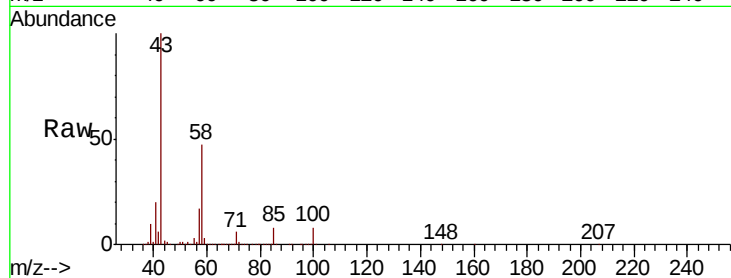




#51
2-Hexanone
Concen: 10.045 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. 0.00 min
Lab File: VL033707.D
Acq: 17 May 2019 7:10

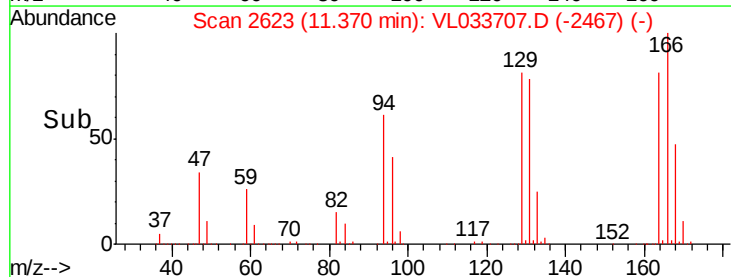
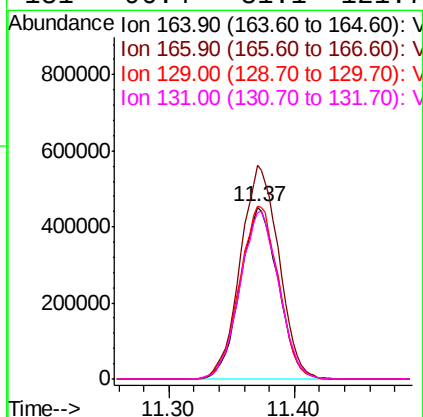
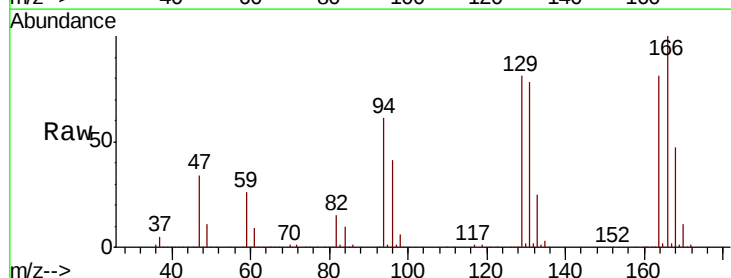
Instrument :
MSVOA_L
ClientSampleId :
ICVVL051719

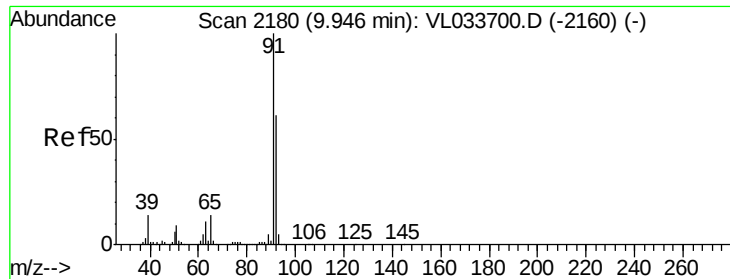
Tgt Ion: 43 Resp: 2170615
Ion Ratio Lower Upper
43 100
58 48.6 38.7 58.1
98 0.3 0.2 0.4



#52
Tetrachloroethene
Concen: 10.215 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL033707.D
Acq: 17 May 2019 7:10

Tgt Ion: 164 Resp: 948551
Ion Ratio Lower Upper
164 100
166 124.0 98.9 148.3
129 100.2 81.8 122.6
131 96.4 81.1 121.7





#53

Toluene

Concen: 10.236 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

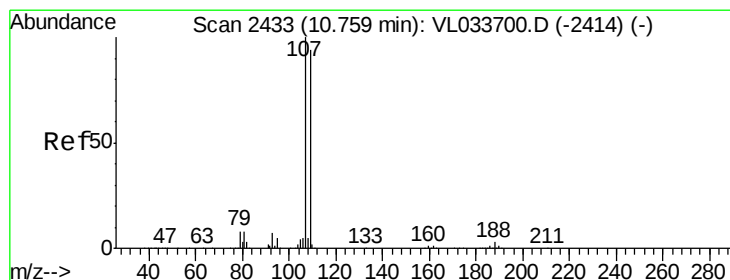
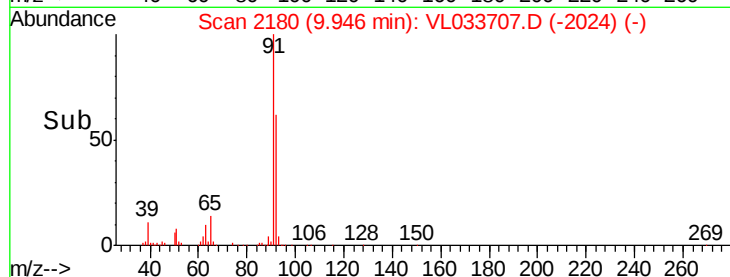
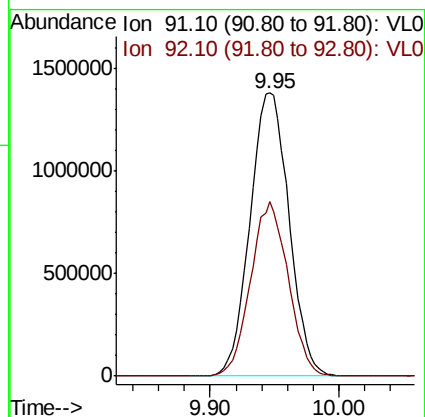
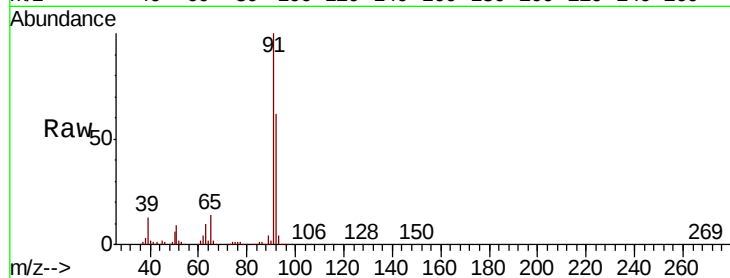
ICVVL051719

Tgt Ion: 91 Resp: 2916587

Ion Ratio Lower Upper

91 100

92 59.3 47.6 71.4



#54

1,2-Dibromoethane

Concen: 9.513 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. 0.00 min

Lab File: VL033707.D

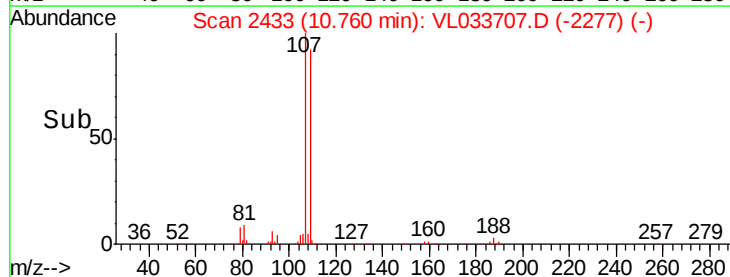
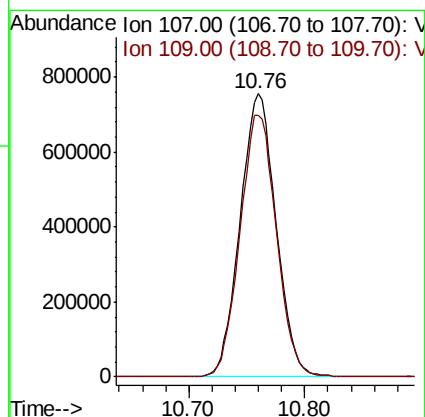
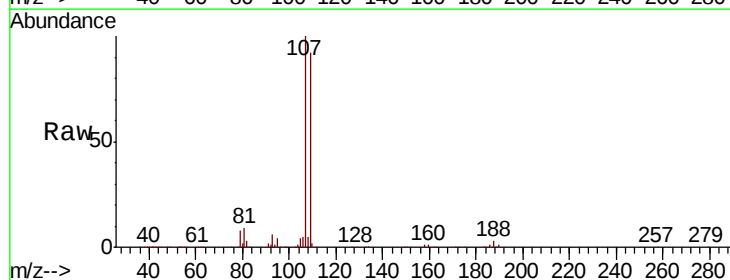
Acq: 17 May 2019 7:10

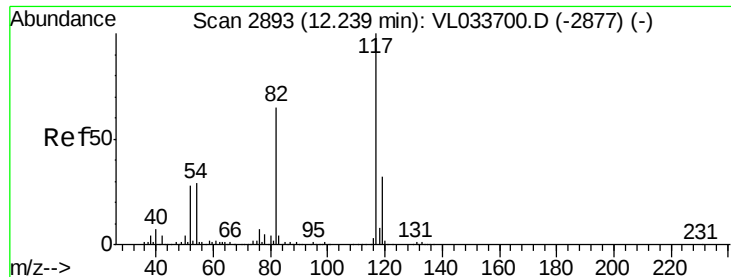
Tgt Ion: 107 Resp: 1624318

Ion Ratio Lower Upper

107 100

109 92.3 75.2 112.8

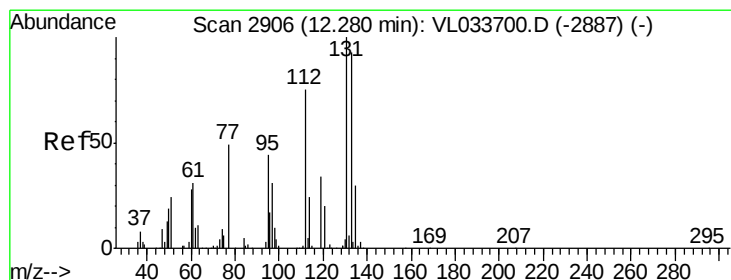
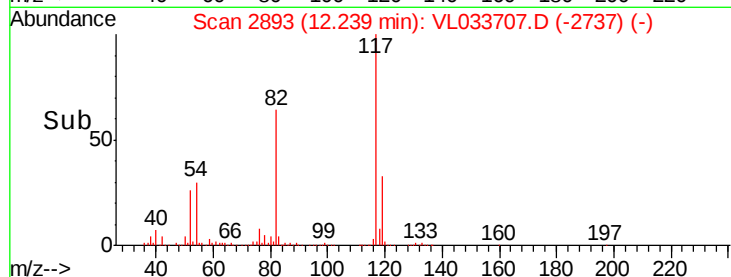
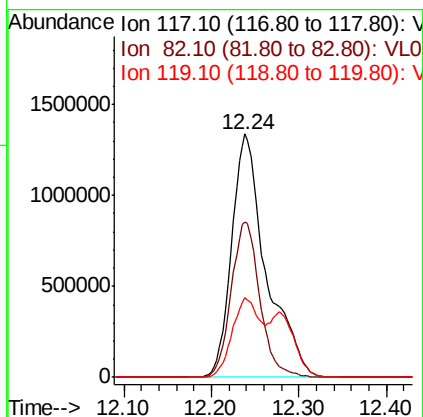
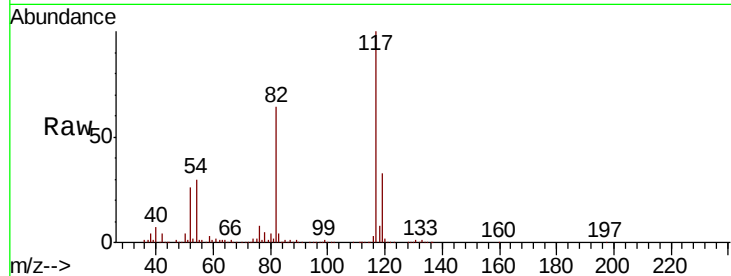




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL033707.D
Acq: 17 May 2019 7:10

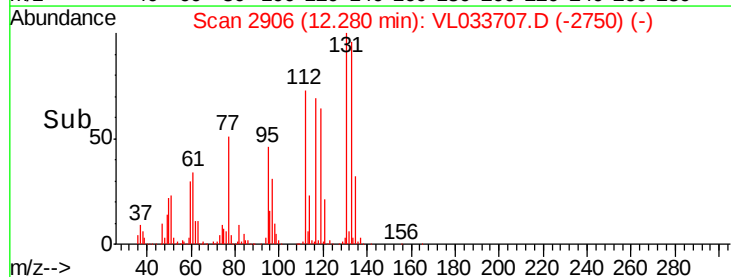
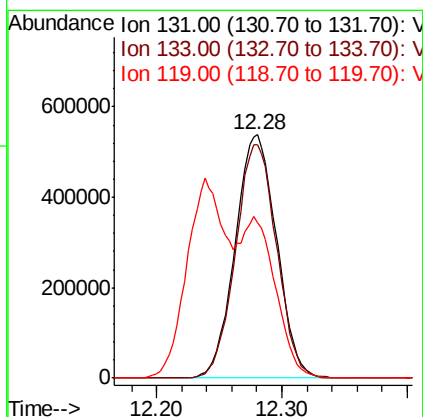
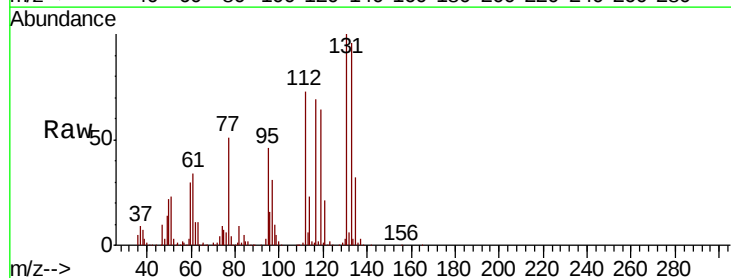
Instrument :
MSVOA_L
ClientSampleId :
ICVVL051719

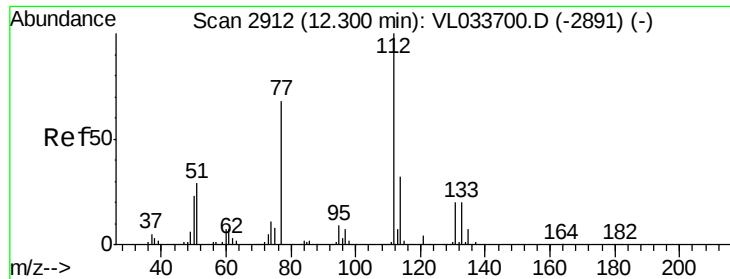
Tgt Ion:117 Resp: 3655071
Ion Ratio Lower Upper
117 100
82 53.3 49.4 74.0
119 26.3 24.9 37.3



#56
1,1,1,2-Tetrachloroethane
Concen: 7.258 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VL033707.D
Acq: 17 May 2019 7:10

Tgt Ion:131 Resp: 1227596
Ion Ratio Lower Upper
131 100
133 95.6 76.6 114.8
119 53.9 49.0 73.4





#57

Chlorobenzene

Concen: 7.284 ppbv

RT: 12.30 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051719

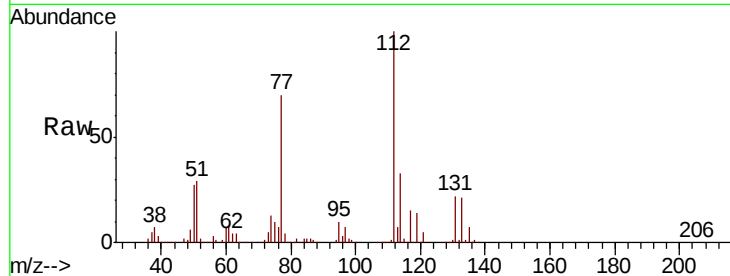
Tgt Ion: 112 Resp: 2191574

Ion Ratio Lower Upper

112 100

77 69.4 55.4 83.0

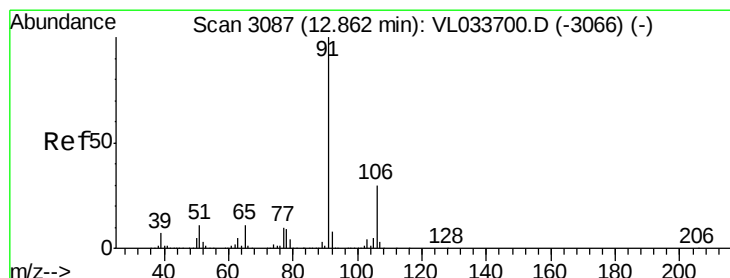
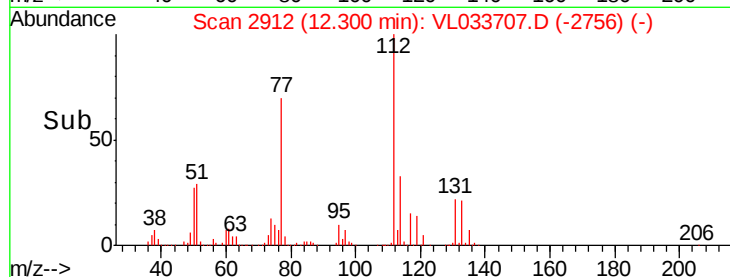
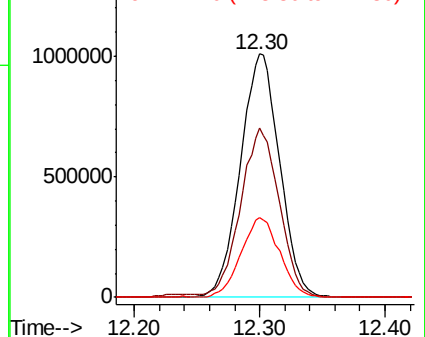
114 32.8 29.3 35.8



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.136 ppbv

RT: 12.86 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VL033707.D

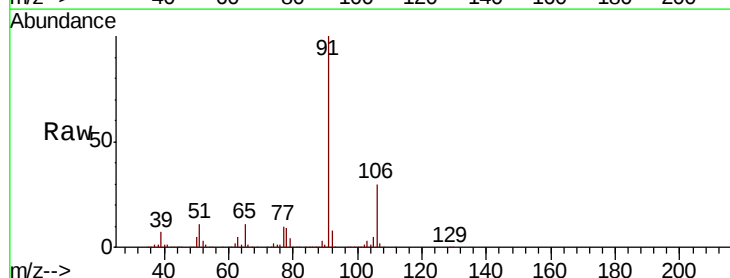
Acq: 17 May 2019 7:10

Tgt Ion: 91 Resp: 3937967

Ion Ratio Lower Upper

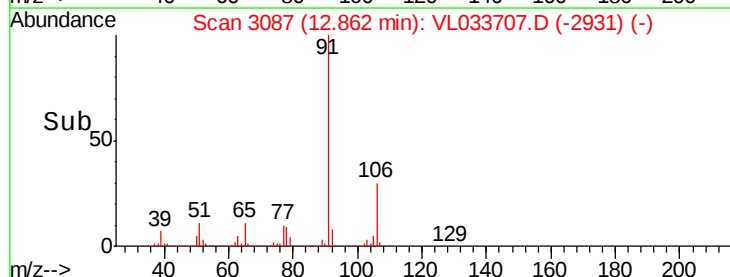
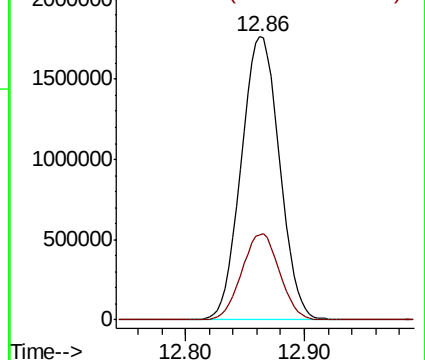
91 100

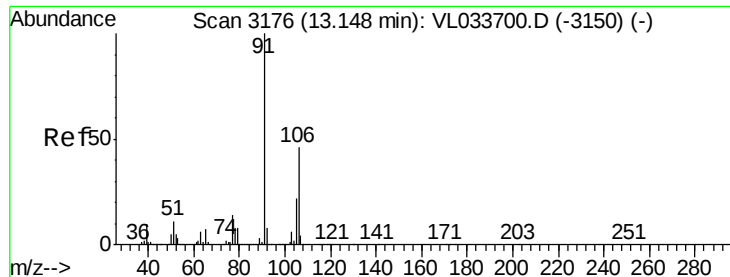
106 30.0 23.9 35.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.784 ppbv

RT: 13.15 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

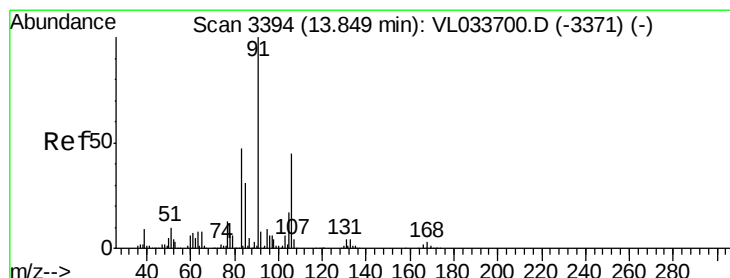
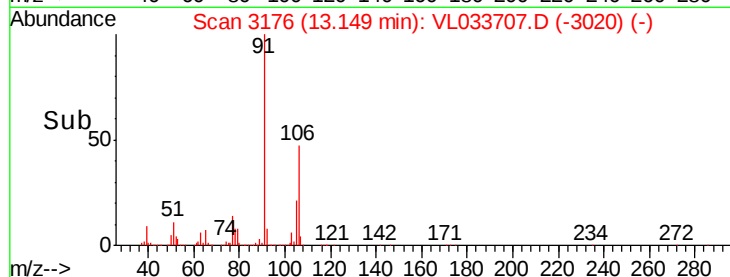
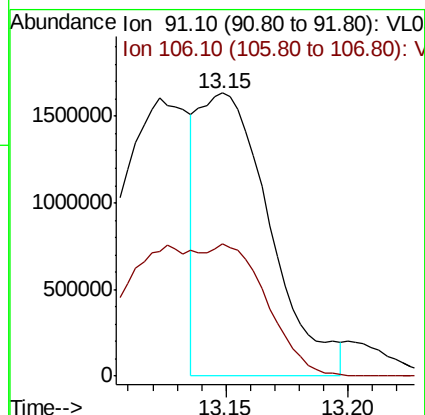
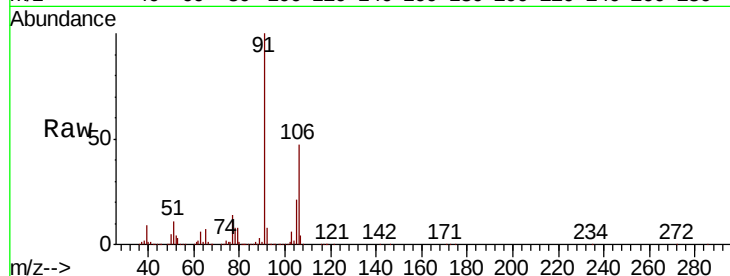
ICVVL051719

Tgt Ion: 91 Resp: 3293470

Ion Ratio Lower Upper

91 100

106 90.2 35.8 53.6#



#60

o-Xylene

Concen: 7.503 ppbv

RT: 13.85 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VL033707.D

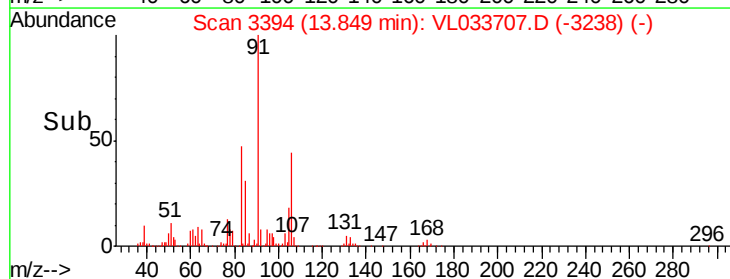
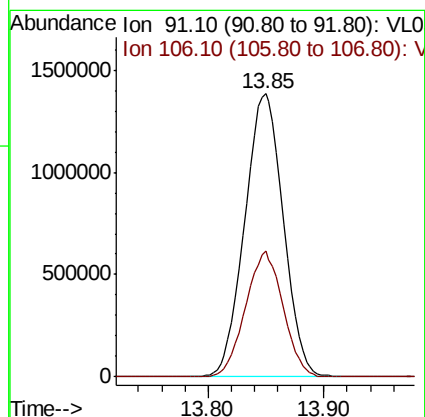
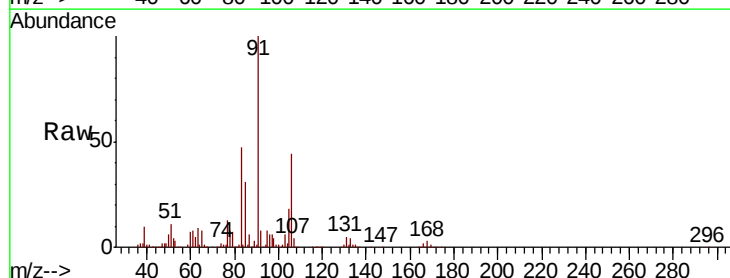
Acq: 17 May 2019 7:10

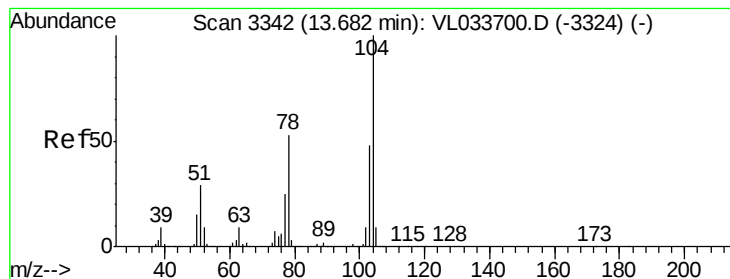
Tgt Ion: 91 Resp: 3200292

Ion Ratio Lower Upper

91 100

106 43.2 21.6 64.8





#61

Styrene

Concen: 8.595 ppbv

RT: 13.69 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051719

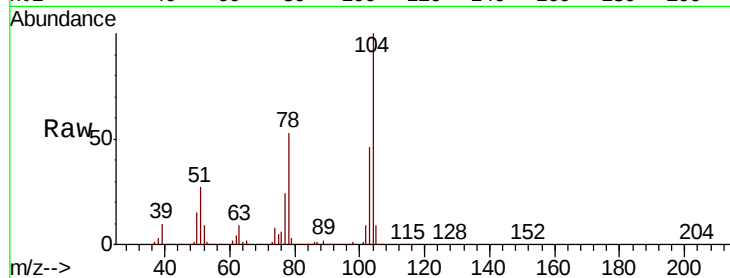
Tgt Ion:104 Resp: 2468093

Ion Ratio Lower Upper

104 100

78 52.5 42.6 64.0

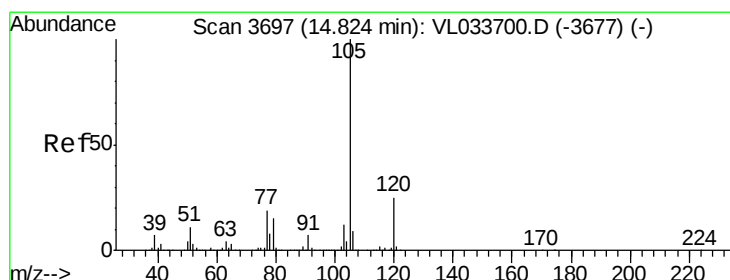
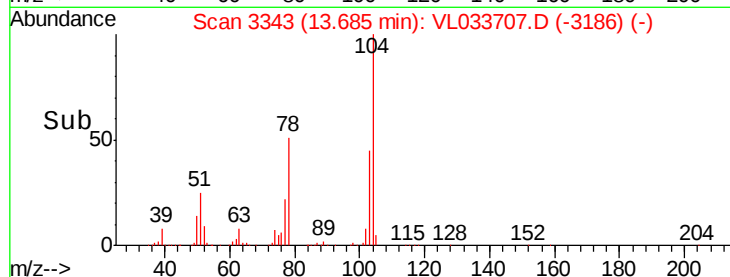
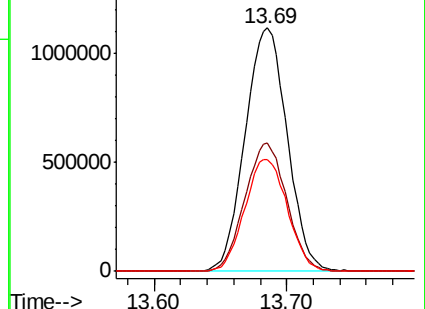
103 46.7 37.8 56.6



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: 7.515 ppbv

RT: 14.82 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VL033707.D

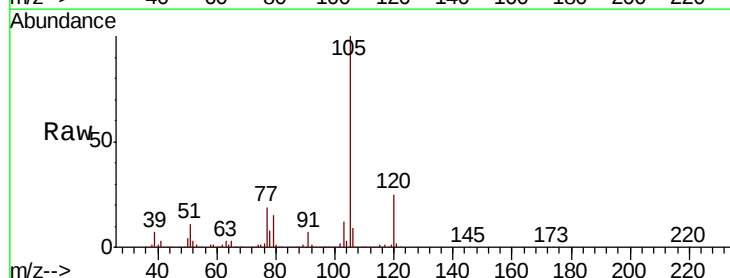
Acq: 17 May 2019 7:10

Tgt Ion:105 Resp: 4316437

Ion Ratio Lower Upper

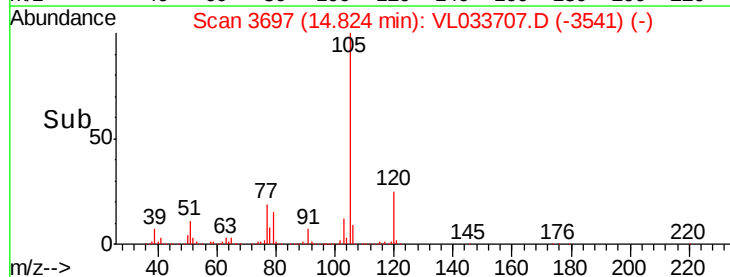
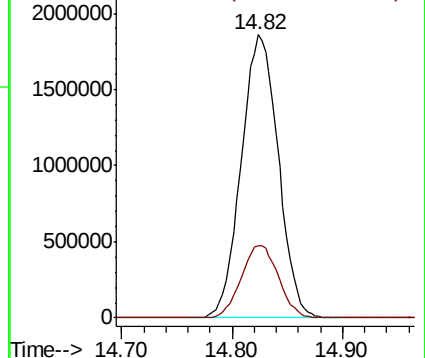
105 100

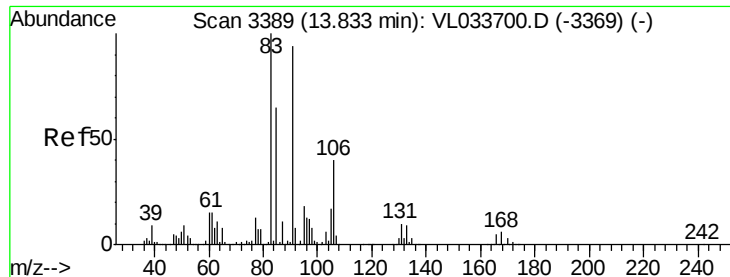
120 25.6 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

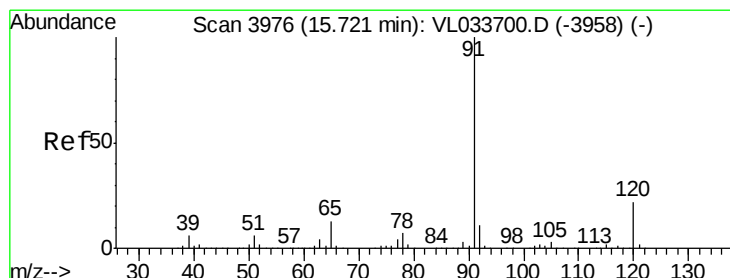
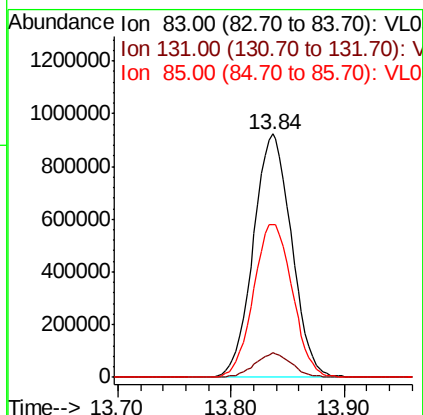
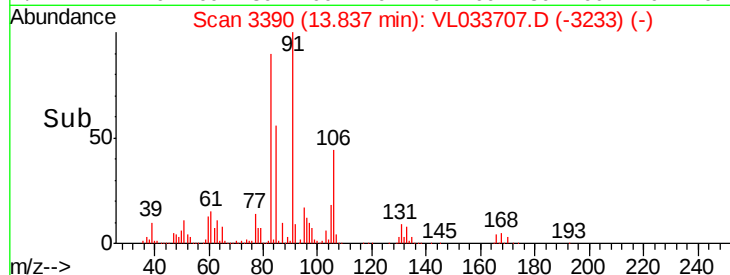
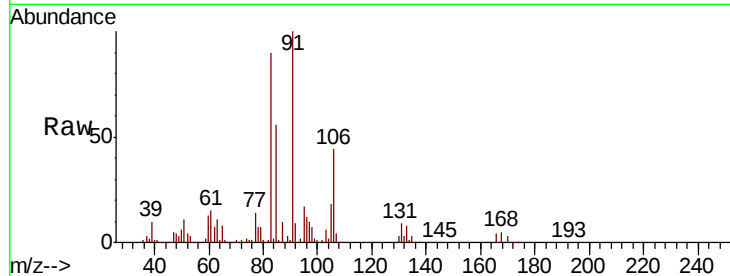




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.974 ppbv
 RT: 13.84 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VL033707.D
 Acq: 17 May 2019 7:10

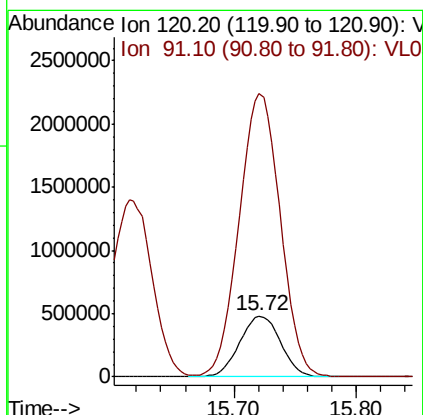
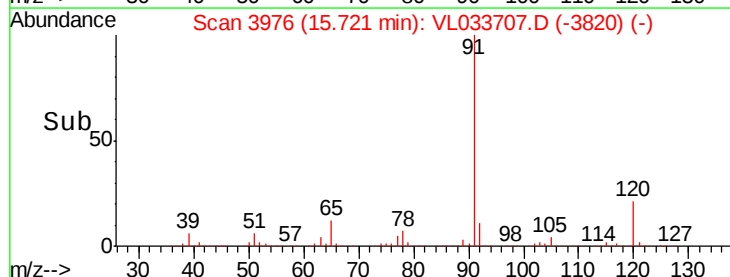
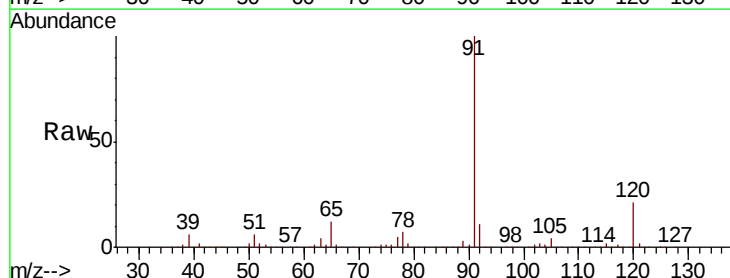
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051719

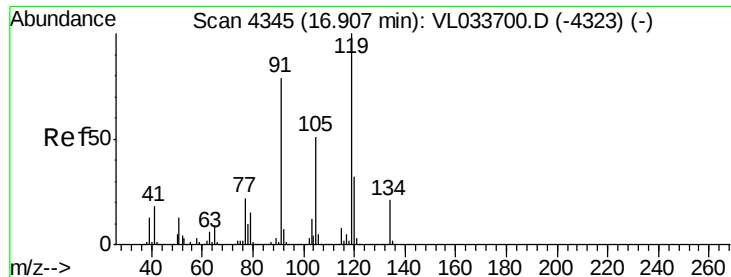
Tgt Ion: 83 Resp: 2163017
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.8 14.3
 85 64.3 32.3 96.9



#64
 n-propylbenzene
 Concen: 7.518 ppbv
 RT: 15.72 min Scan# 3976
 Delta R.T. 0.00 min
 Lab File: VL033707.D
 Acq: 17 May 2019 7:10

Tgt Ion: 120 Resp: 1116978
 Ion Ratio Lower Upper
 120 100
 91 468.1 379.1 568.7

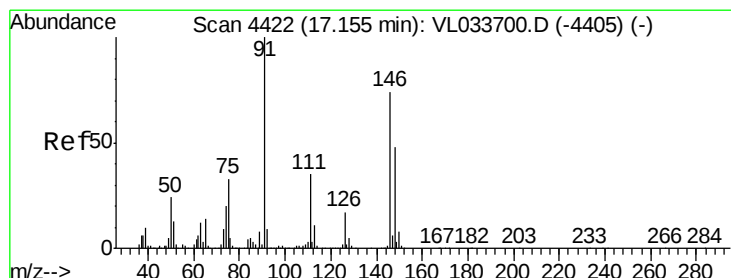
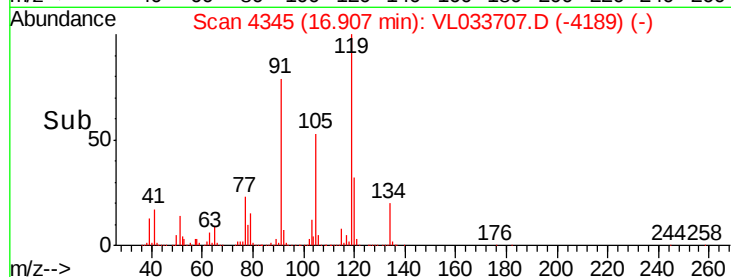
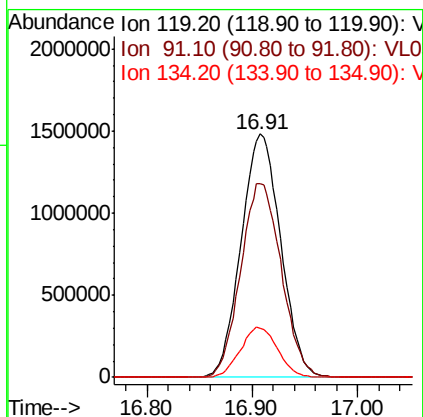
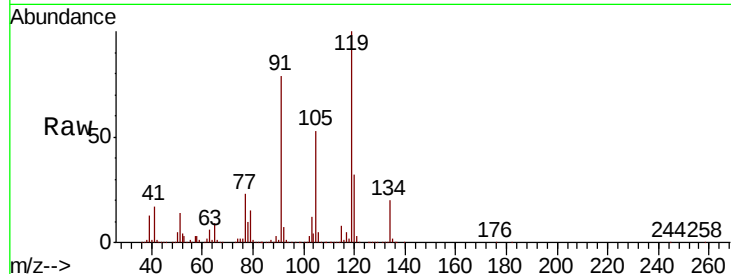




#65
 tert-Butylbenzene
 Concen: 7.380 ppbv
 RT: 16.91 min Scan# 4345
 Delta R.T. 0.00 min
 Lab File: VL033707.D
 Acq: 17 May 2019 7:10

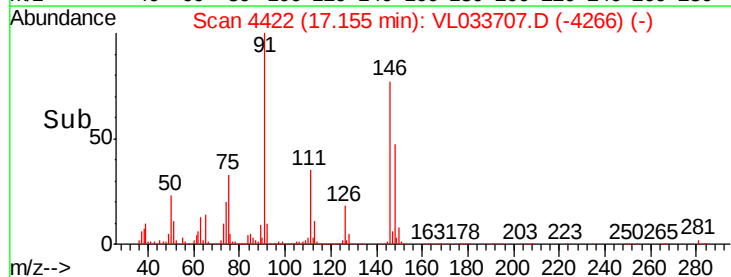
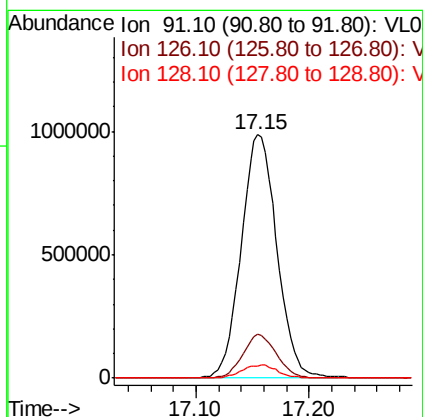
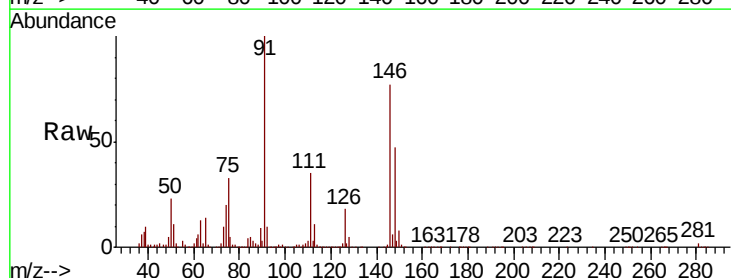
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051719

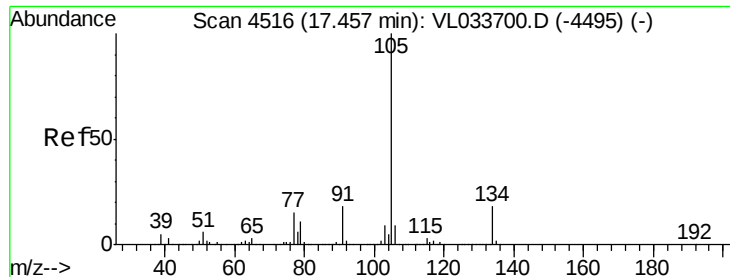
Tgt Ion: 119 Resp: 3870591
 Ion Ratio Lower Upper
 119 100
 91 81.9 65.3 97.9
 134 19.4 15.7 23.5



#66
 Benzyl Chloride
 Concen: 8.665 ppbv
 RT: 17.15 min Scan# 4422
 Delta R.T. 0.00 min
 Lab File: VL033707.D
 Acq: 17 May 2019 7:10

Tgt Ion: 91 Resp: 2164476
 Ion Ratio Lower Upper
 91 100
 126 17.1 13.5 20.3
 128 5.4 4.3 6.5

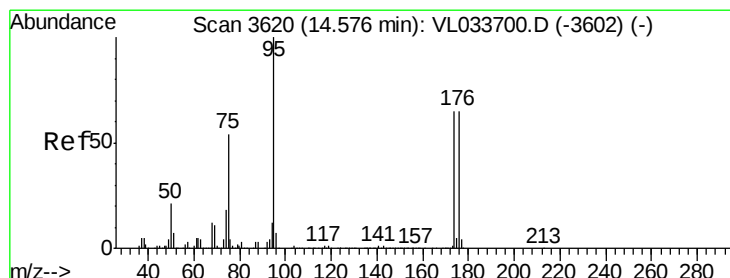
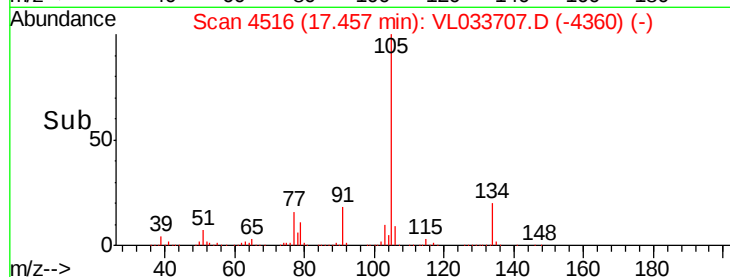
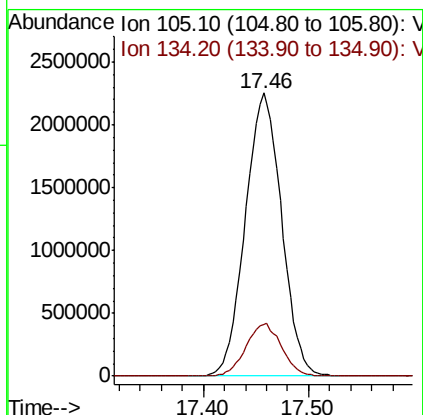
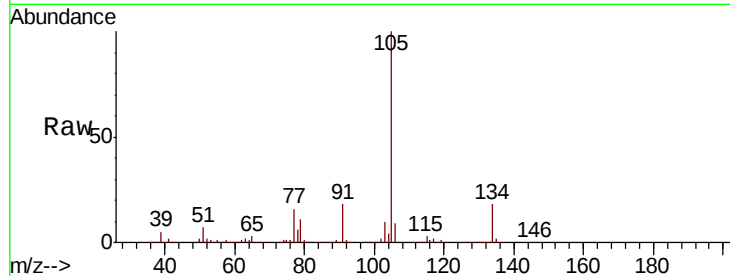




#67
 sec-Butylbenzene
 Concen: 7.349 ppbv
 RT: 17.46 min Scan# 4516
 Delta R.T. 0.00 min
 Lab File: VL033707.D
 Acq: 17 May 2019 7:10

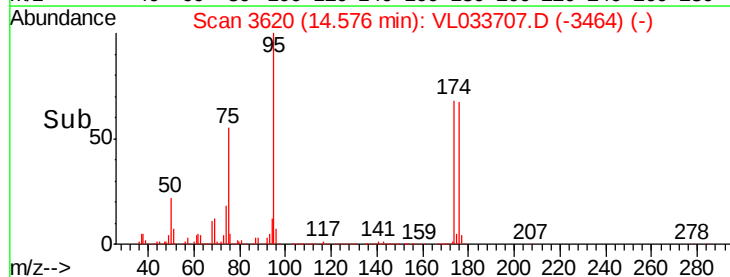
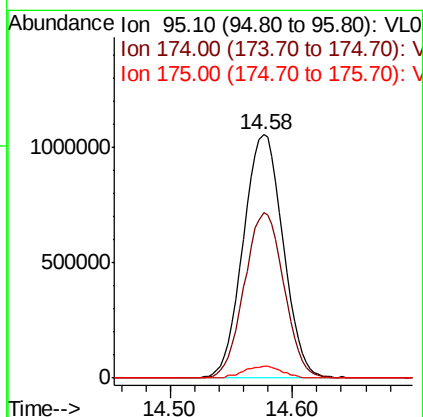
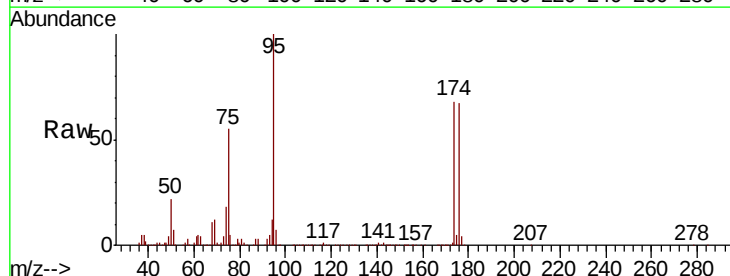
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051719

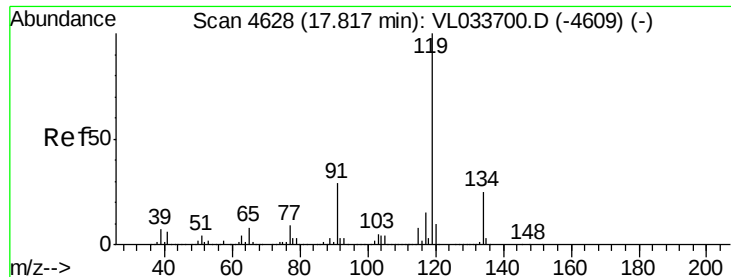
Tgt Ion: 105 Resp: 5394125
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.6 22.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.051 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. 0.00 min
 Lab File: VL033707.D
 Acq: 17 May 2019 7:10

Tgt Ion: 95 Resp: 2385561
 Ion Ratio Lower Upper
 95 100
 174 67.6 53.9 80.9
 175 4.8 3.8 5.8

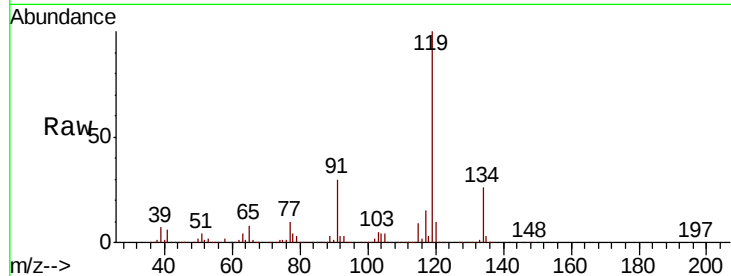




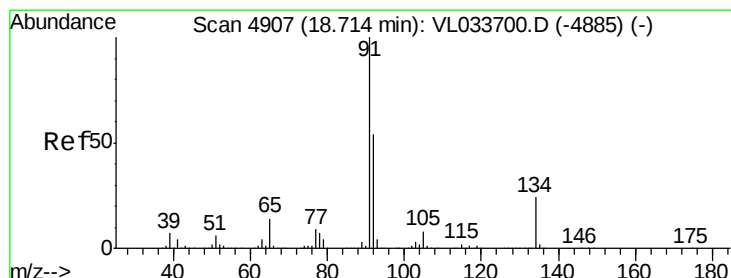
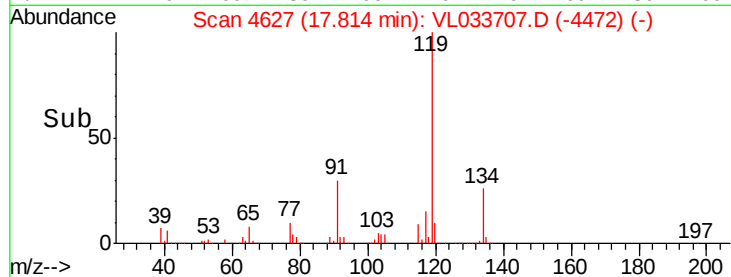
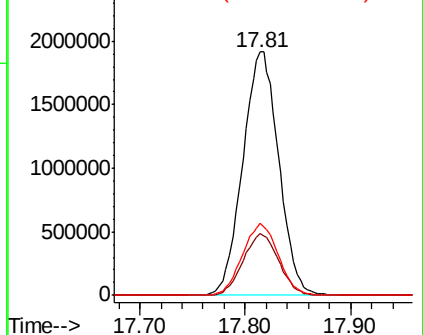
#69
 p-Isopropyltoluene
 Concen: 7.478 ppbv
 RT: 17.81 min Scan# 4627
 Delta R.T. -0.00 min
 Lab File: VL033707.D
 Acq: 17 May 2019 7:10

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051719

Tgt Ion: 119 Resp: 4536895
 Ion Ratio Lower Upper
 119 100
 134 25.2 20.3 30.5
 91 29.2 23.1 34.7

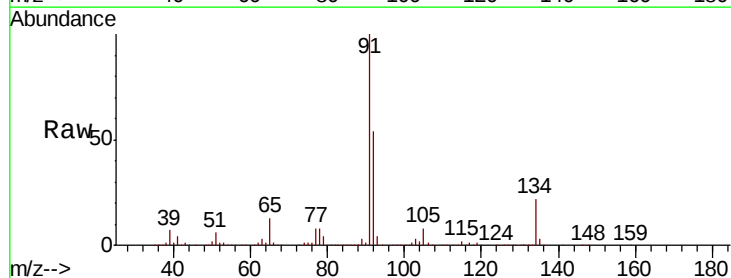


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

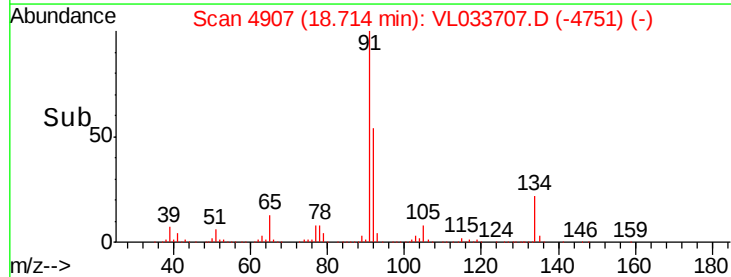
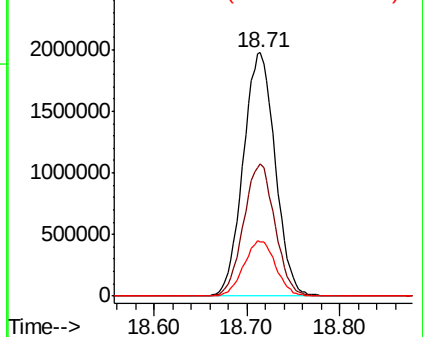


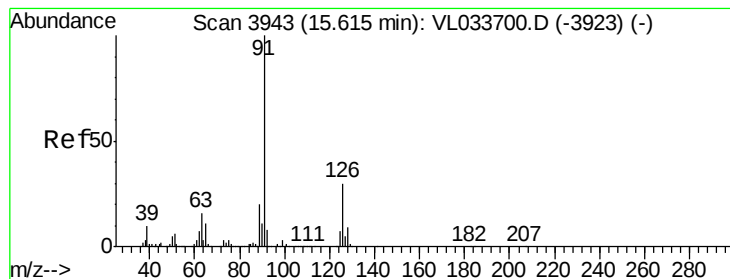
#70
 n-Butylbenzene
 Concen: 7.245 ppbv
 RT: 18.71 min Scan# 4907
 Delta R.T. 0.00 min
 Lab File: VL033707.D
 Acq: 17 May 2019 7:10

Tgt Ion: 91 Resp: 4713546
 Ion Ratio Lower Upper
 91 100
 92 53.4 42.6 63.8
 134 22.6 18.1 27.1



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: 7.644 ppbv

RT: 15.61 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

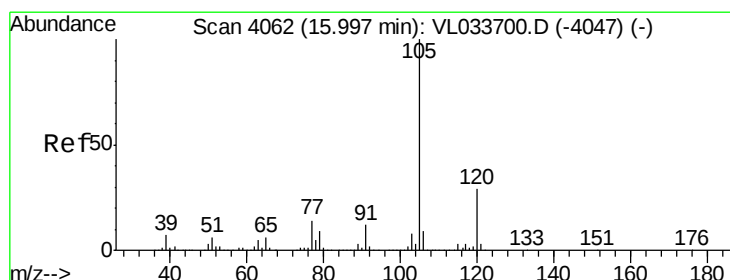
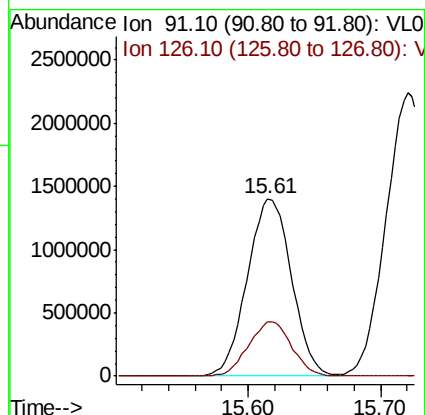
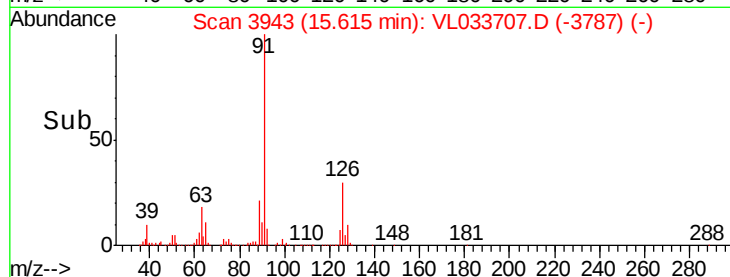
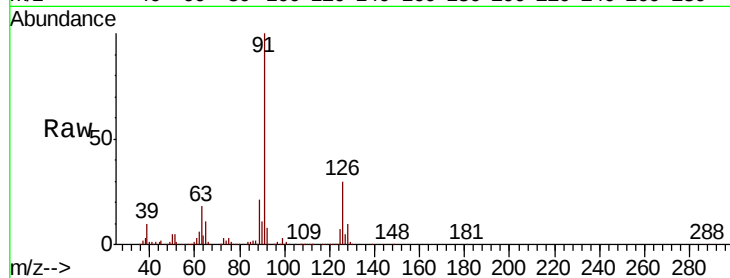
ICVVL051719

Tgt Ion: 91 Resp: 3257588

Ion Ratio Lower Upper

91 100

126 29.9 12.0 47.8



#72

4-Ethyltoluene

Concen: 7.788 ppbv

RT: 16.00 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Tgt Ion: 105 Resp: 3798033

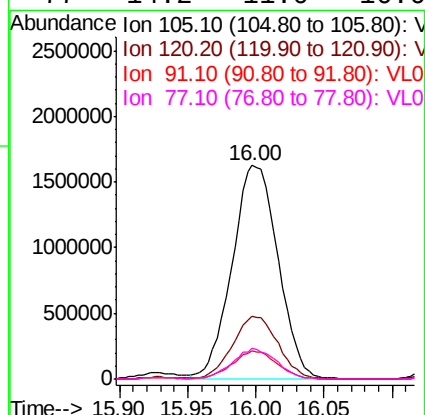
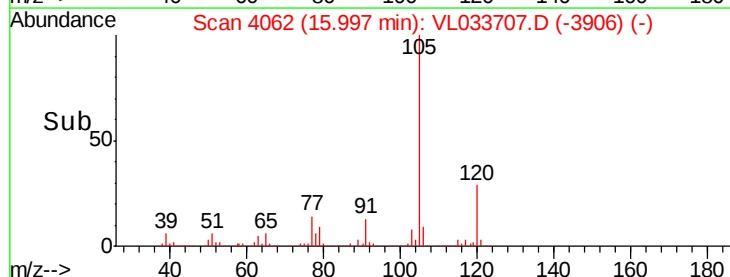
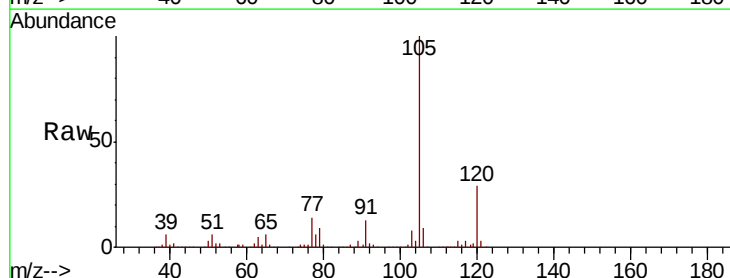
Ion Ratio Lower Upper

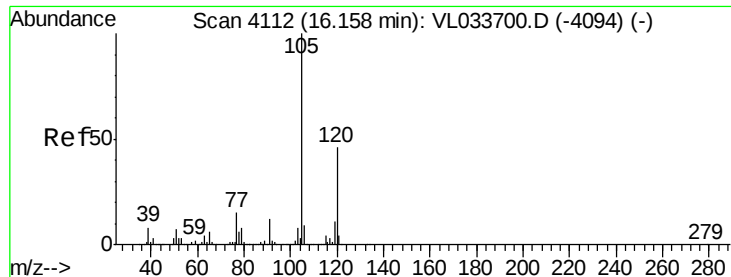
105 100

120 29.0 23.1 34.7

91 12.8 10.4 15.6

77 14.2 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 7.501 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

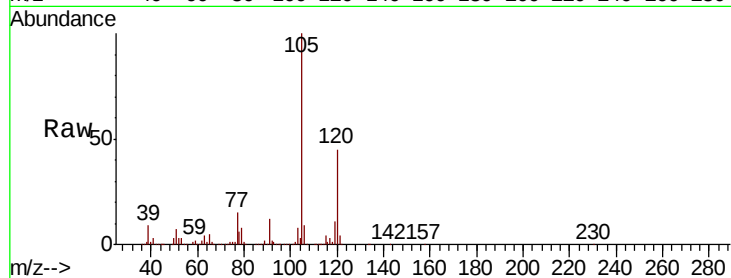
ICVVL051719

Tgt Ion:105 Resp: 3569075

Ion Ratio Lower Upper

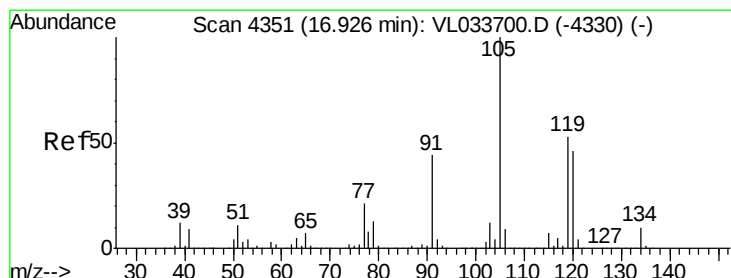
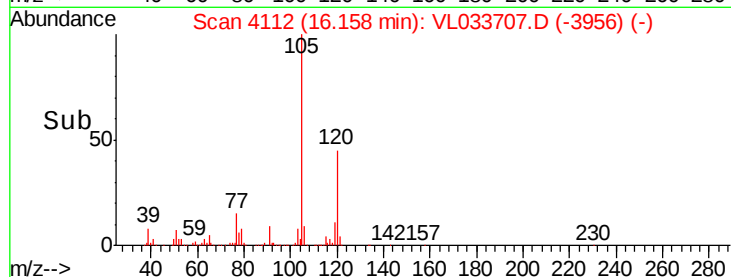
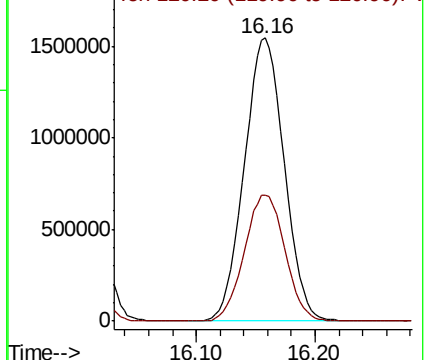
105 100

120 44.7 37.0 55.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.200 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Tgt Ion:105 Resp: 3728565

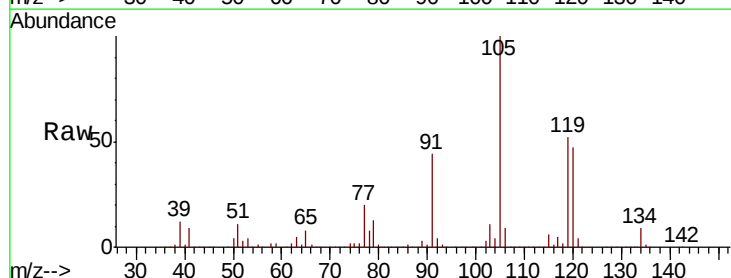
Ion Ratio Lower Upper

105 100

120 46.6 36.8 55.2

91 44.2 35.4 53.0

77 20.1 16.8 25.2

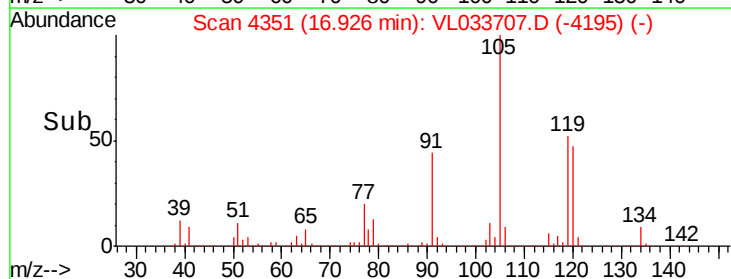
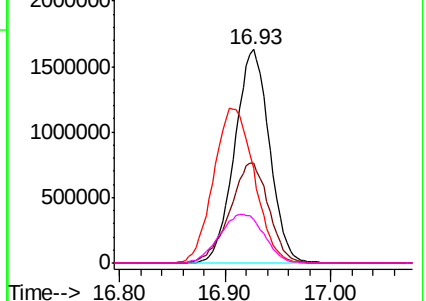


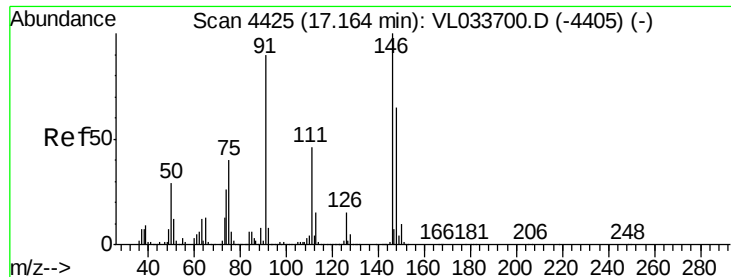
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 6.895 ppbv

RT: 17.17 min Scan# 4426

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051719

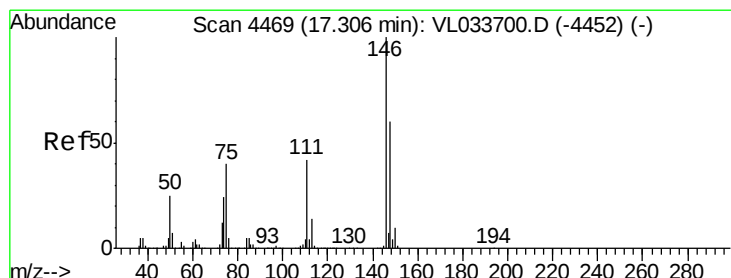
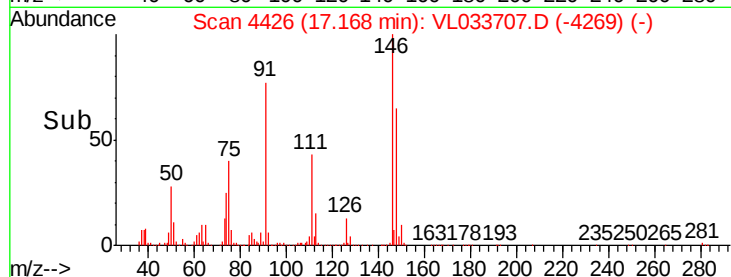
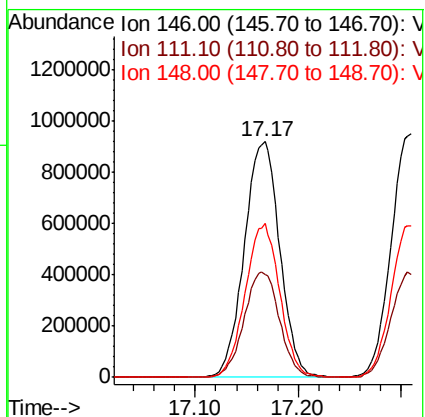
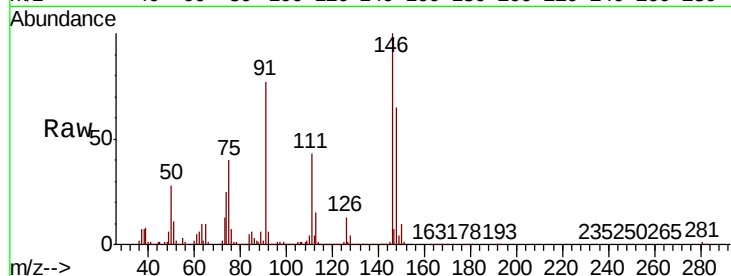
Tgt Ion:146 Resp: 2188063

Ion Ratio Lower Upper

146 100

111 44.7 22.9 68.8

148 63.6 32.0 96.2



#76

1,4-Dichlorobenzene

Concen: 7.234 ppbv

RT: 17.31 min Scan# 4470

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

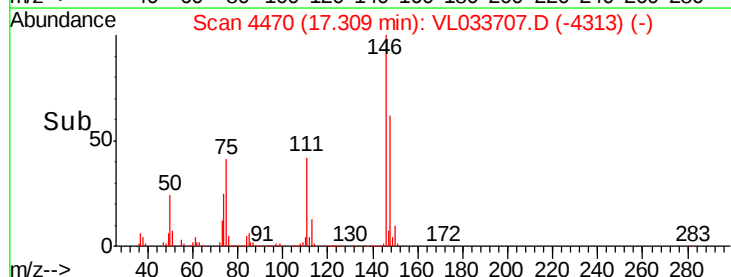
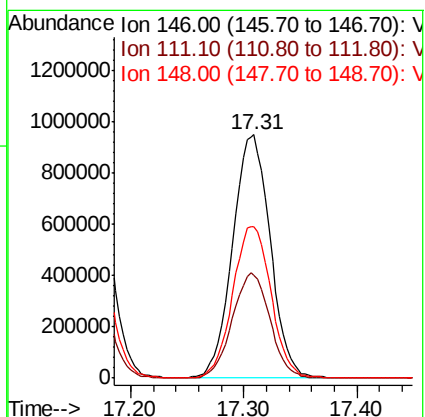
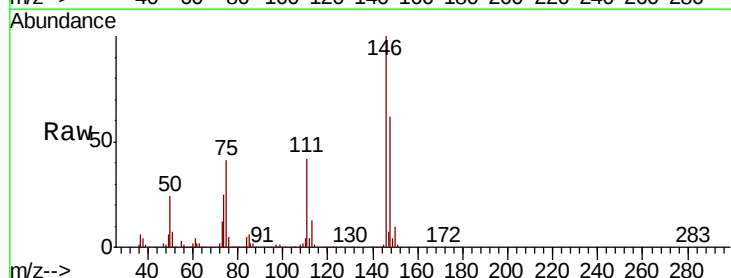
Tgt Ion:146 Resp: 2181691

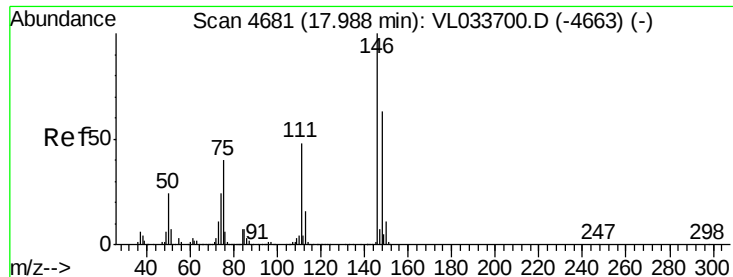
Ion Ratio Lower Upper

146 100

111 43.6 21.9 65.8

148 64.0 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 7.054 ppbv

RT: 17.99 min Scan# 4681

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

Instrument :

MSVOA_L

ClientSampleId :

ICVVL051719

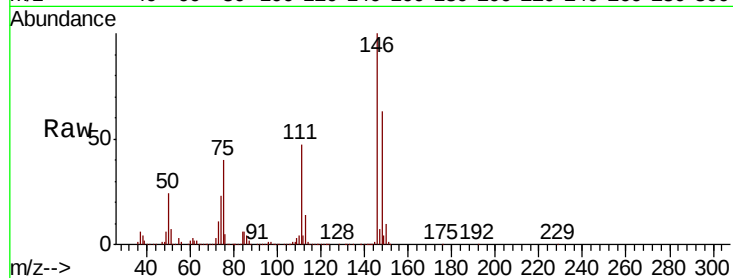
Tgt Ion:146 Resp: 2103291

Ion Ratio Lower Upper

146 100

111 46.3 23.5 70.5

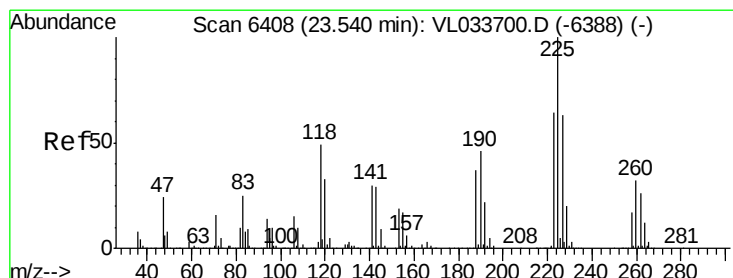
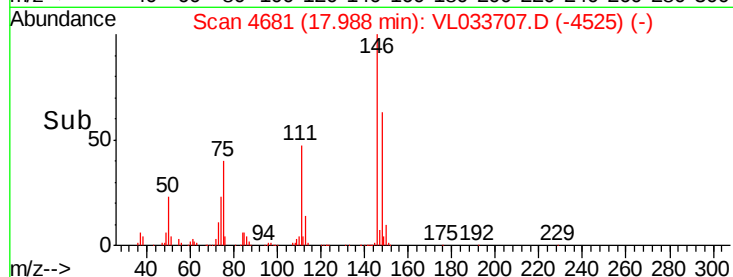
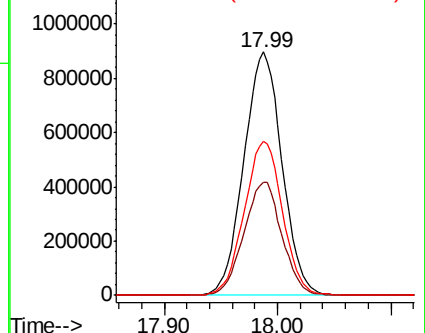
148 63.5 32.1 96.3



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: 6.775 ppbv

RT: 23.54 min Scan# 6408

Delta R.T. 0.00 min

Lab File: VL033707.D

Acq: 17 May 2019 7:10

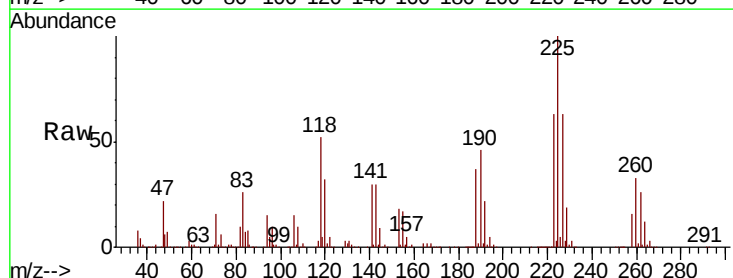
Tgt Ion:225 Resp: 1527312

Ion Ratio Lower Upper

225 100

223 63.5 50.2 75.4

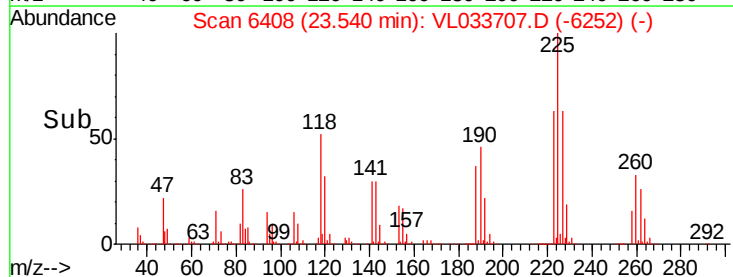
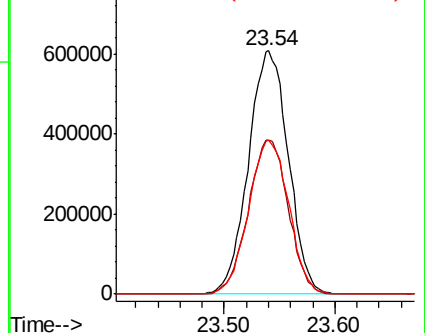
227 63.8 50.7 76.1

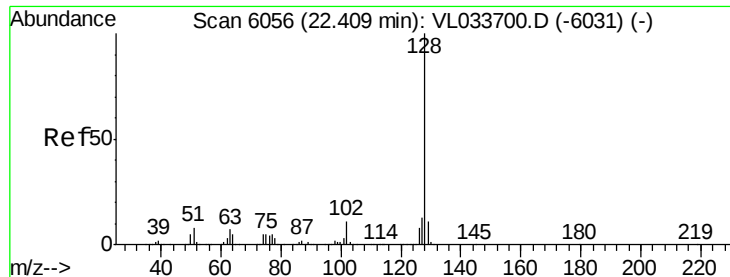


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

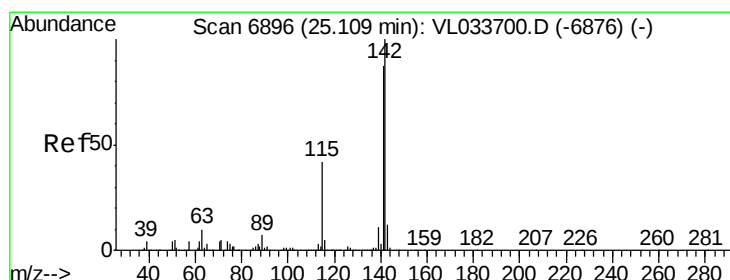
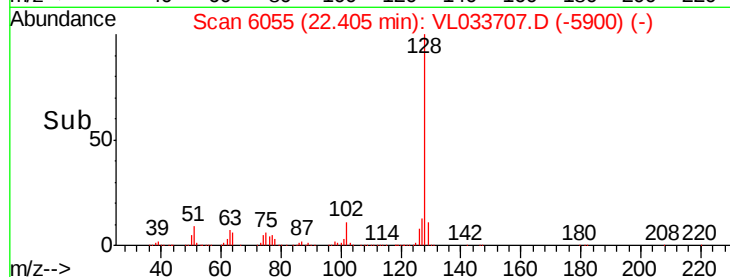
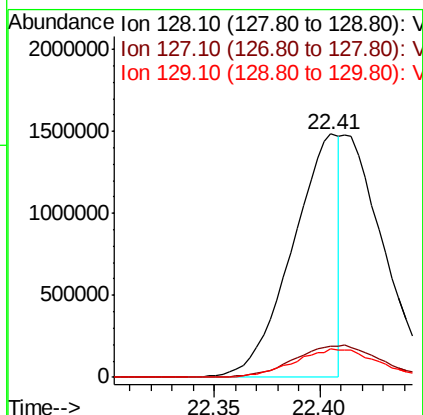
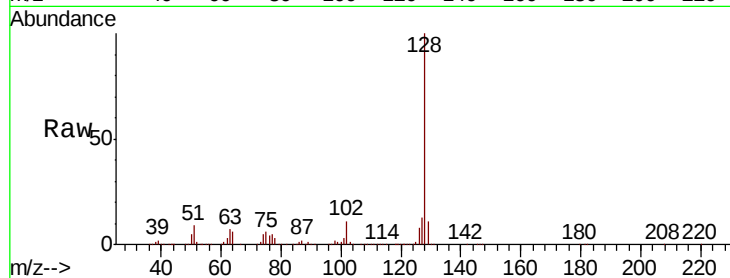




#79
Naphthalene
Concen: 4.737 ppbv
RT: 22.41 min Scan# 6055
Delta R.T. -0.00 min
Lab File: VL033707.D
Acq: 17 May 2019 7:10

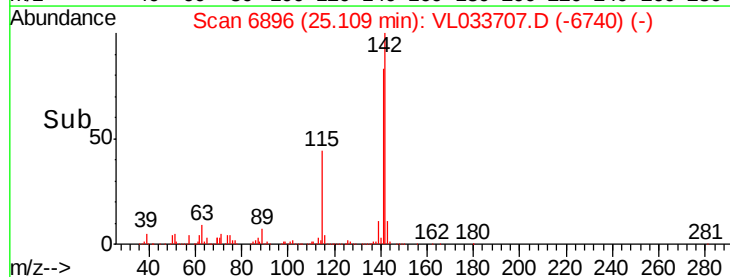
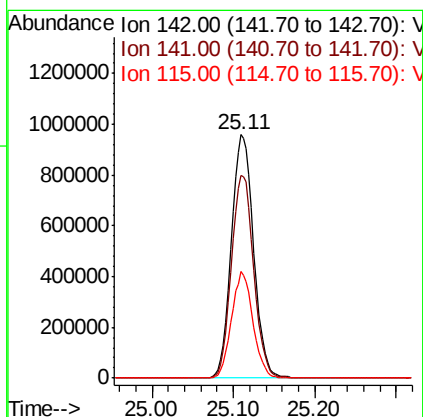
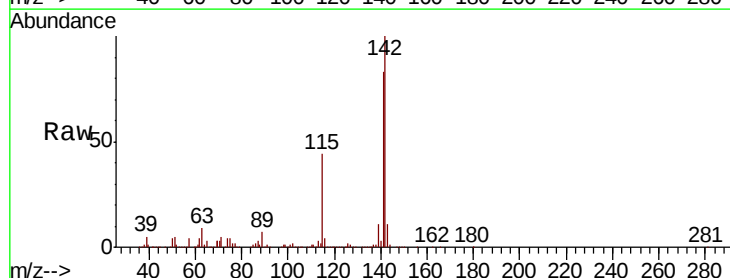
Instrument :
MSVOA_L
ClientSampleId :
ICVVL051719

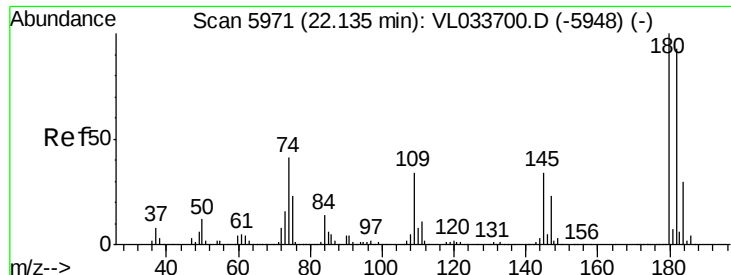
Tgt Ion:128 Resp: 2278436
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 11.5 8.9 13.3



#80
Naphthalene, 2-methyl-
Concen: 10.062 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. 0.00 min
Lab File: VL033707.D
Acq: 17 May 2019 7:10

Tgt Ion:142 Resp: 1838962
Ion Ratio Lower Upper
142 100
141 83.4 67.2 100.8
115 42.4 34.1 51.1





#81
 1,2,4-Trichlorobenzene
 Concen: 7.775 ppbv
 RT: 22.13 min Scan# 5970
 Delta R.T. -0.00 min
 Lab File: VL033707.D
 Acq: 17 May 2019 7:10

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051719

Tgt Ion:180 Resp: 2189724
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.1 114.1
 184 30.6 24.6 37.0

