

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036073.D
 Acq On : 7 Dec 2020 19:49
 Operator : SY/AP
 Sample : VL1207ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Quant Time: Dec 08 08:38:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1255598	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2860673	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2722468	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2216079	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1285347	8.784	ppbv 100
3) Chlorodifluoromethane	2.99	51	1403433	9.797	ppbv 100
4) Chloromethane	3.14	50	677984	9.640	ppbv 99
5) Vinyl Chloride	3.26	62	686685	8.776	ppbv 100
6) Bromomethane	3.48	94	383760	9.505	ppbv 91
7) Chloroethane	3.56	64	237052	8.893	ppbv 92
8) Dichlorotetrafluoroethane	3.19	85	1560478	9.596	ppbv 99
9) Propene	3.01	41	685197	9.548	ppbv 97
10) Heptane	8.15	43	1741303	9.501	ppbv 100
11) Trichlorofluoromethane	3.96	101	1620494	9.419	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1106908	9.474	ppbv 99
13) Ethanol	3.62	45	29483	2.980	ppbv # 1
14) Bromoethene	3.75	108	456786	9.530	ppbv 99
15) Acetone	3.86	43	1438852	9.535	ppbv 99
16) 1,3-Butadiene	3.33	39	718442	9.453	ppbv 99
17) tert-Butyl alcohol	4.30	59	1319235	9.025	ppbv 100
18) 1,1-Dichloroethene	4.30	96	491361	9.472	ppbv 97
19) Isopropyl Alcohol	3.98	45	816937	8.857	ppbv # 100
20) Methylene Chloride	4.35	84	433803	7.015	ppbv 98
21) Allyl Chloride	4.42	41	915063	9.120	ppbv 98
22) trans-1,2-Dichloroethene	4.90	96	496297	9.556	ppbv 97
23) Vinyl Acetate	5.09	43	2021823	10.063	ppbv 98
24) 1,1-Dichloroethane	5.02	63	1322164	9.357	ppbv 99
25) Ethyl Acetate	5.69	43	2926174	9.706	ppbv 99
26) Hexane	5.70	57	1185017	8.734	ppbv 99
27) Carbon Disulfide	4.56	76	1292200	9.583	ppbv 98
28) Methyl tert-Butyl Ether	5.05	73	1793142	9.296	ppbv 99
29) Chloroform	5.77	83	1737225	9.750	ppbv 98
30) Cyclohexane	7.15	84	952610	9.558	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	1227332	9.951	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	1738672	9.457	ppbv 100
34) 2-Butanone	5.26	43	1788758	9.427	ppbv 100
35) Carbon Tetrachloride	7.04	117	1712447	10.265	ppbv 96
36) Benzene	6.91	78	2389391	9.856	ppbv 99
37) 1,2-Dichloroethane	6.33	62	1436076	10.223	ppbv 99
38) Trichloroethene	7.86	130	785243	8.665	ppbv 99
39) 1,2-Dichloropropane	7.64	63	965593	10.085	ppbv 92
40) 1,4-Dioxane	7.85	88	300452	9.977	ppbv # 29
41) Tetrahydrofuran	6.06	42	1123730	9.968	ppbv 100
42) Bromodichloromethane	7.82	83	1924222	10.279	ppbv 99
43) Methyl Methacrylate	8.04	69	1064278	10.233	ppbv 99

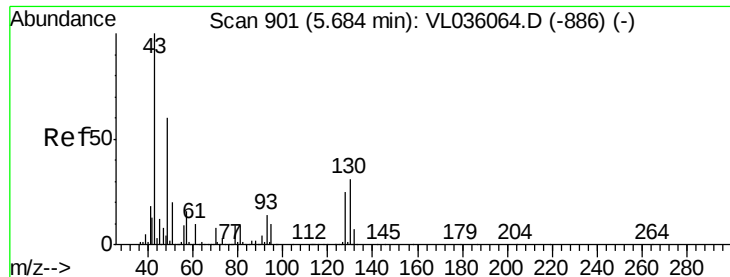
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036073.D
 Acq On : 7 Dec 2020 19:49
 Operator : SY/AP
 Sample : VL1207ABS01
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4240747	9.659	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1169090	10.941	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1394617	10.413	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	936539	10.168	ppbv	97
48) Dibromochloromethane	10.33	129	1508757	10.847	ppbv	100
49) Bromoform	13.07	173	1269344	11.594	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2863667	10.119	ppbv	100
51) 2-Hexanone	10.16	43	2345874	10.605	ppbv	98
52) Tetrachloroethene	11.25	164	786151	8.958	ppbv	98
53) Toluene	9.83	91	2711418	9.960	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1405245	10.178	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1125895	9.974	ppbv	95
57) Chlorobenzene	12.18	112	1889194	9.885	ppbv	97
58) Ethyl Benzene	12.74	91	3674786	9.849	ppbv	98
59) m/p-Xylene	13.02	91	3152872	10.033	ppbv #	37
60) o-Xylene	13.72	91	2873306	9.705	ppbv	99
61) Styrene	13.56	104	2069853	10.889	ppbv	99
62) Isopropylbenzene	14.70	105	4288814	9.772	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1942657	9.743	ppbv	99
64) n-propylbenzene	15.59	120	1072269	10.156	ppbv	97
65) tert-Butylbenzene	16.78	119	3608192	10.045	ppbv	99
66) Benzyl Chloride	17.02	91	1333777	14.911	ppbv	99
67) sec-Butylbenzene	17.33	105	5142346	10.229	ppbv	99
69) p-Isopropyltoluene	17.68	119	4186167	10.468	ppbv	99
70) n-Butylbenzene	18.58	91	4351916	11.011	ppbv	99
71) 2-Chlorotoluene	15.48	91	3394693	10.233	ppbv	98
72) 4-Ethyltoluene	15.87	105	3356355	10.465	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3165661	10.335	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	3145911	10.232	ppbv	96
75) 1,3-Dichlorobenzene	17.03	146	1646860	10.700	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1652044	10.543	ppbv	98
77) 1,2-Dichlorobenzene	17.85	146	1582449	10.768	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	515327	4.375	ppbv #	18
79) Naphthalene	22.24	128	949128	6.073	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	726876	20.798	ppbv	98
81) 1,2,4-Trichlorobenzene	21.96	180	1004788	9.622	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

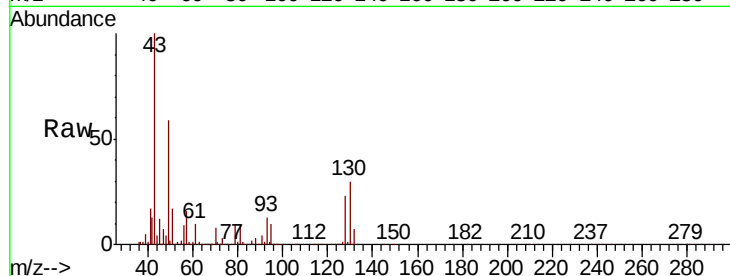
Tot Ion: 49 Resp: 1255598

Ion Ratio Lower Upper

49 100

128 40.3 21.1 63.1

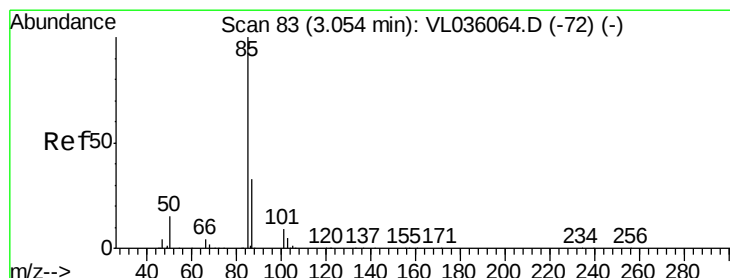
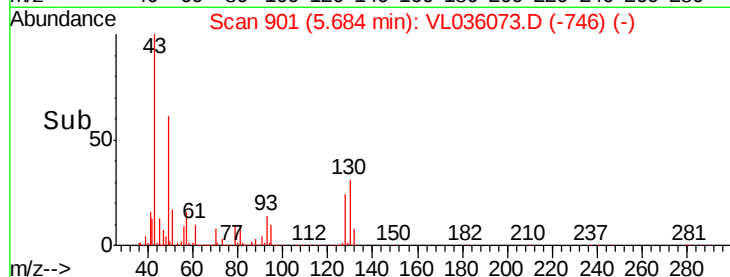
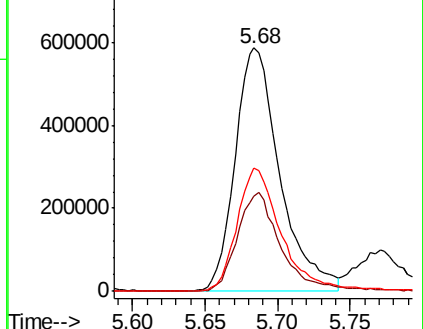
130 51.0 27.1 81.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.784 ppbv

RT: 3.05 min Scan# 83

Delta R.T. -0.00 min

Lab File: VL036073.D

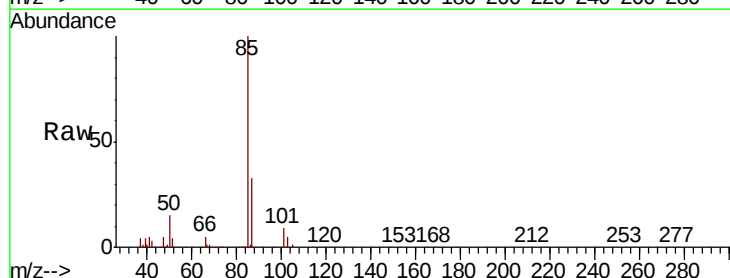
Acq: 7 Dec 2020 19:49

Tgt Ion: 85 Resp: 1285347

Ion Ratio Lower Upper

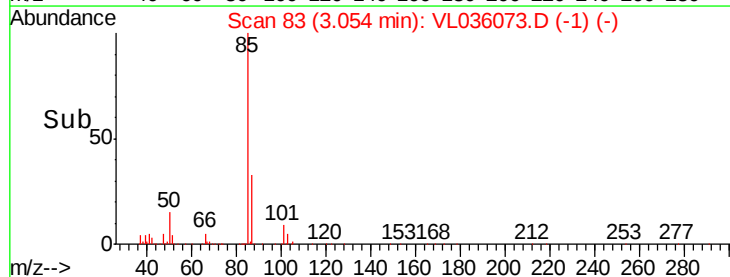
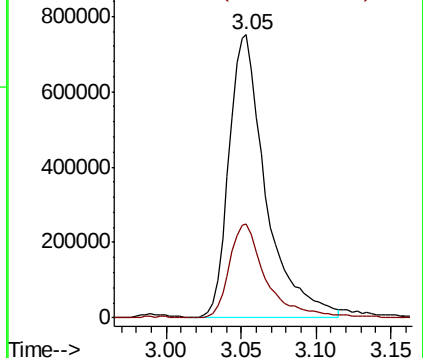
85 100

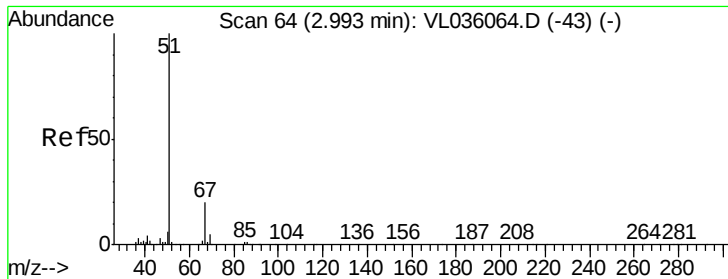
87 33.3 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.797 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

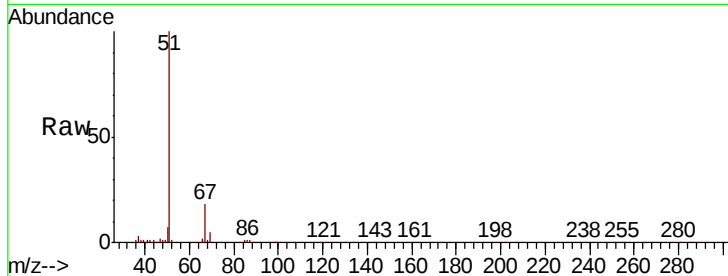
VL1207ABS01

Tot Ion: 51 Resp: 1403433

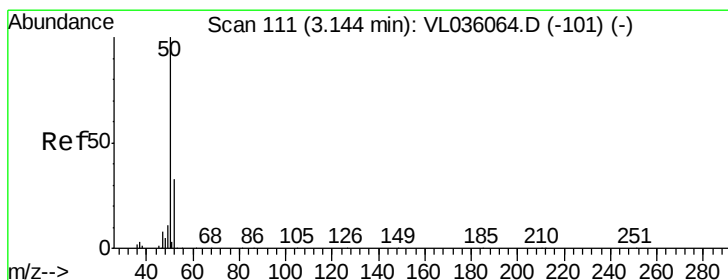
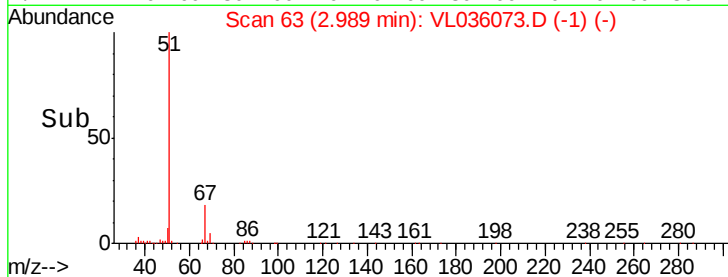
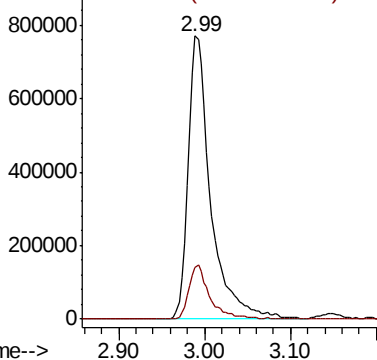
Ion Ratio Lower Upper

51 100

67 18.0 14.3 21.5



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.640 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL036073.D

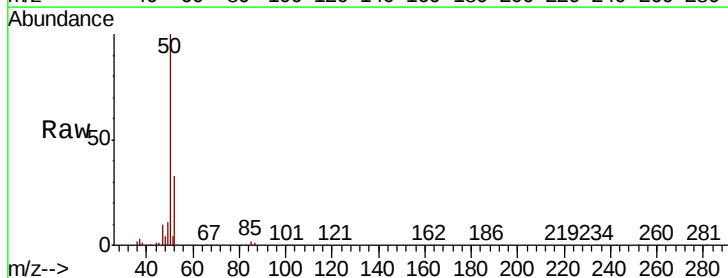
Acq: 7 Dec 2020 19:49

Tgt Ion: 50 Resp: 677984

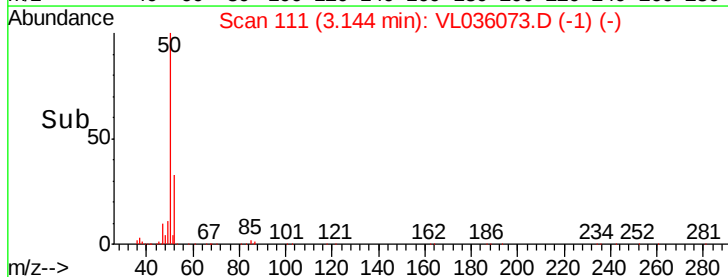
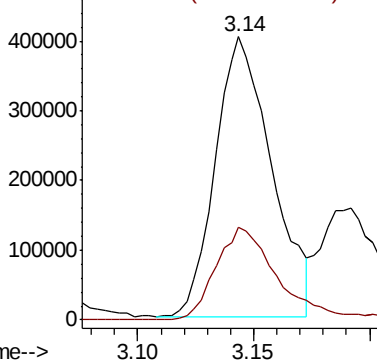
Ion Ratio Lower Upper

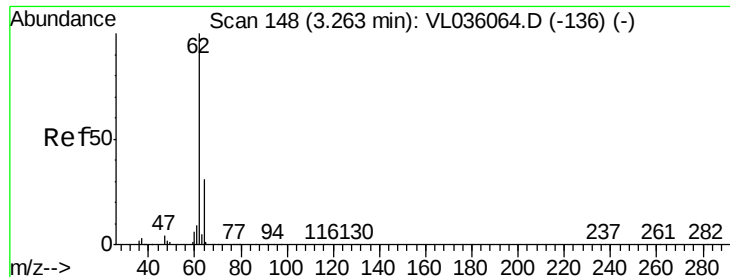
50 100

52 33.0 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.776 ppbv

RT: 3.26 min Scan# 148

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

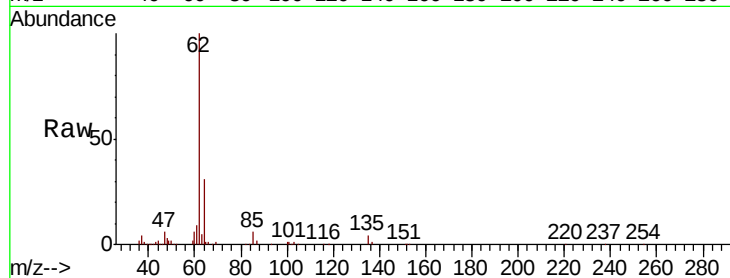
VL1207ABS01

Tot Ion: 62 Resp: 686685

Ion Ratio Lower Upper

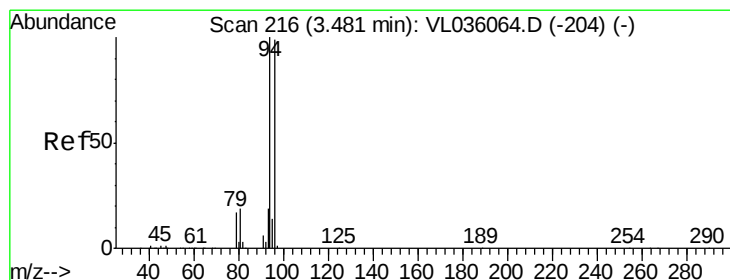
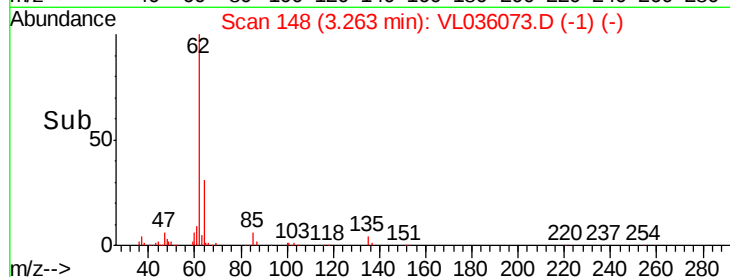
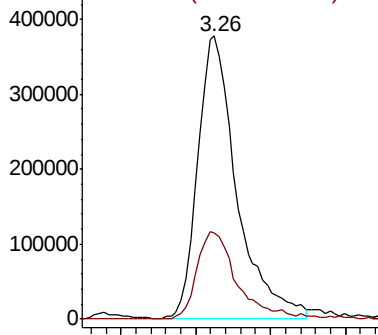
62 100

64 30.7 24.5 36.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.505 ppbv

RT: 3.48 min Scan# 216

Delta R.T. -0.00 min

Lab File: VL036073.D

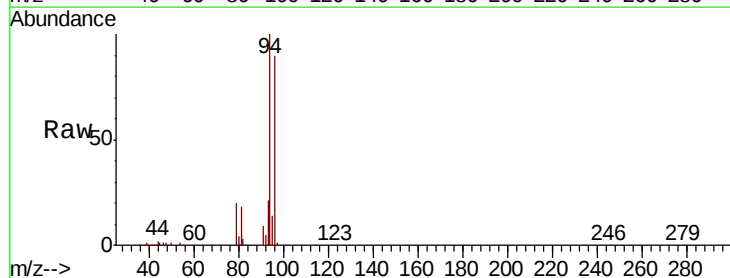
Acq: 7 Dec 2020 19:49

Tgt Ion: 94 Resp: 383760

Ion Ratio Lower Upper

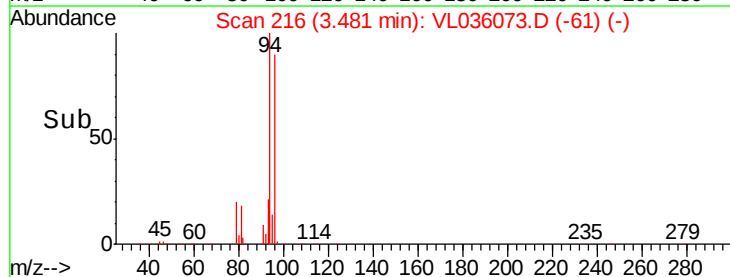
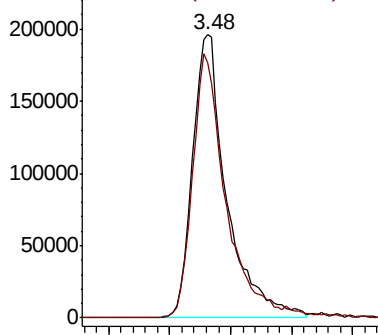
94 100

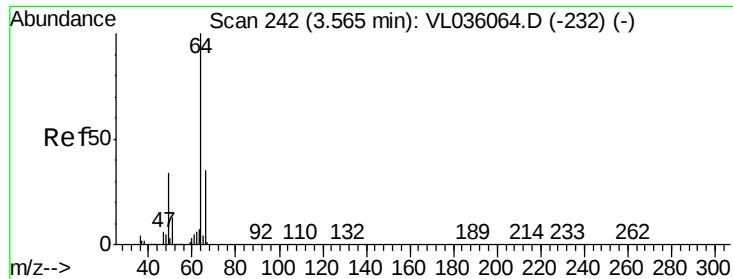
96 90.2 79.4 119.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.893 ppbv

RT: 3.56 min Scan# 242

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

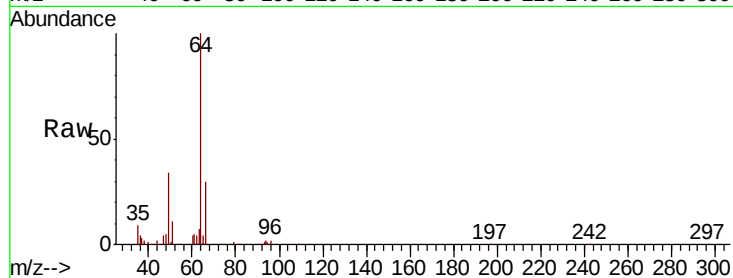
VL1207ABS01

Tot Ion: 64 Resp: 237052

Ion Ratio Lower Upper

64 100

66 30.2 27.7 41.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

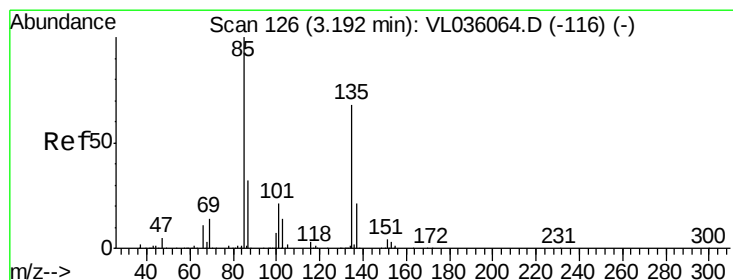
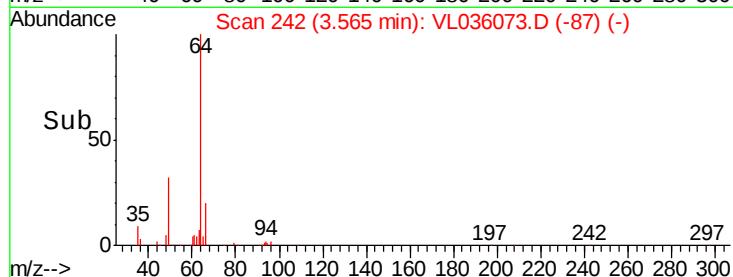
100000

50000

0

3.50 3.55 3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.596 ppbv

RT: 3.19 min Scan# 126

Delta R.T. -0.00 min

Lab File: VL036073.D

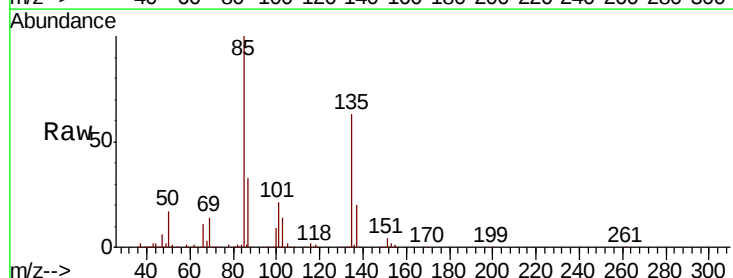
Acq: 7 Dec 2020 19:49

Tgt Ion: 85 Resp: 1560478

Ion Ratio Lower Upper

85 100

135 66.2 53.8 80.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1000000

800000

600000

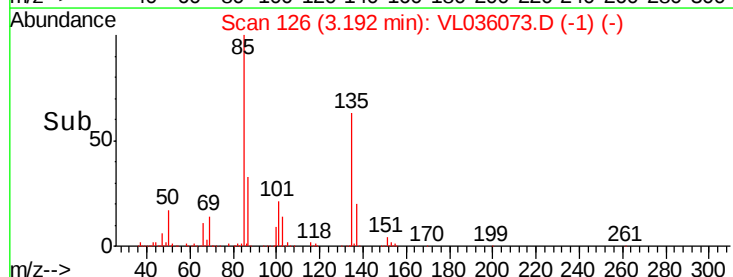
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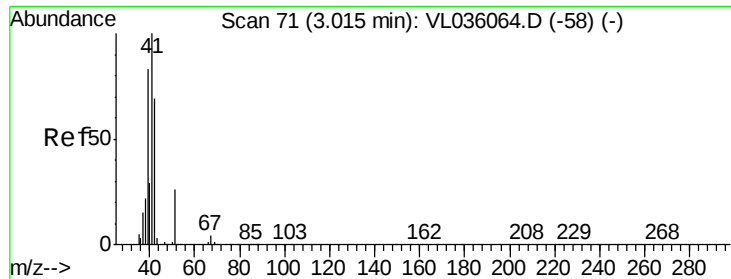
200000

0

3.15 3.20 3.25 3.30

Time-->





#9

Propene

Concen: 9.548 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

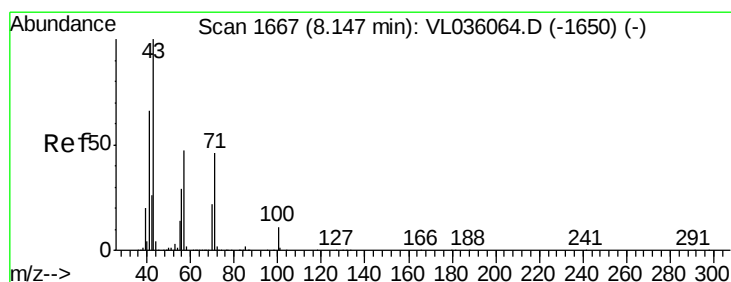
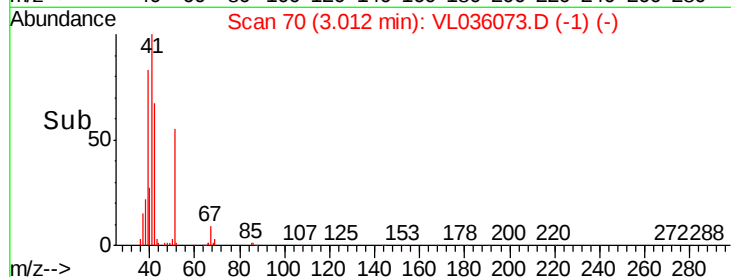
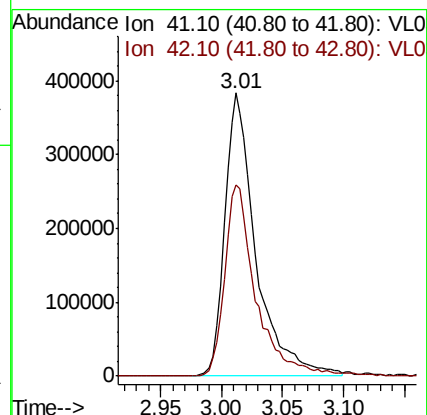
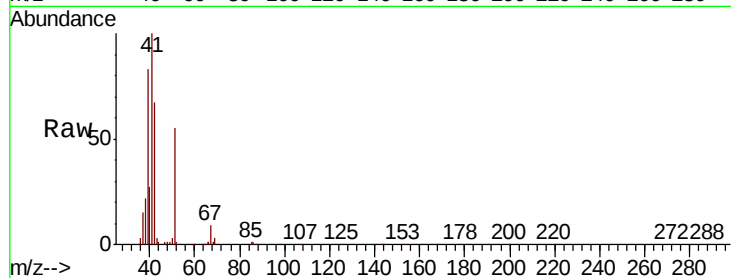
VL1207ABS01

Tot Ion: 41 Resp: 685197

Ion Ratio Lower Upper

41 100

42 68.4 57.0 85.6



#10

Heptane

Concen: 9.501 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VL036073.D

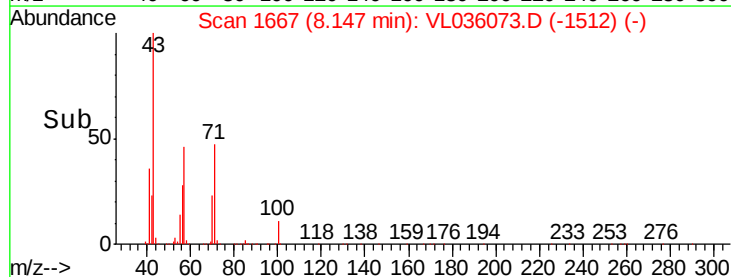
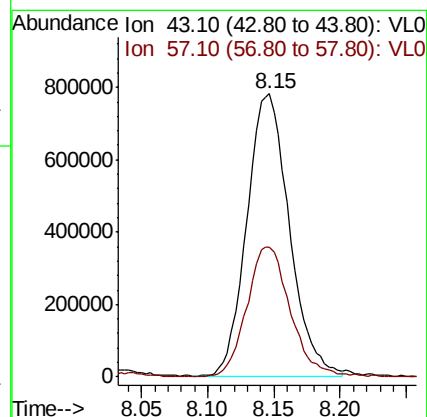
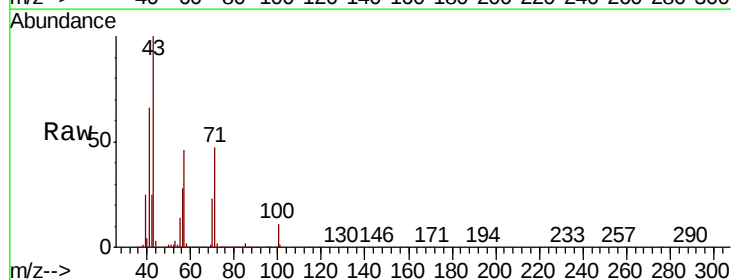
Acq: 7 Dec 2020 19:49

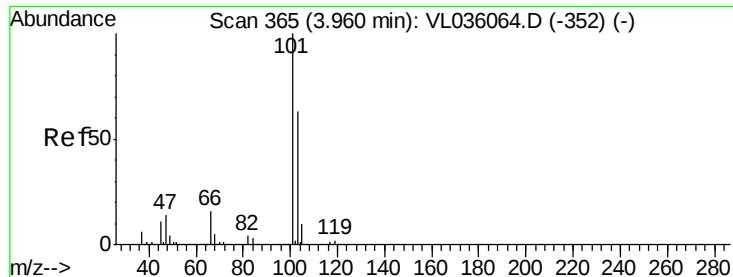
Tgt Ion: 43 Resp: 1741303

Ion Ratio Lower Upper

43 100

57 47.5 37.9 56.9

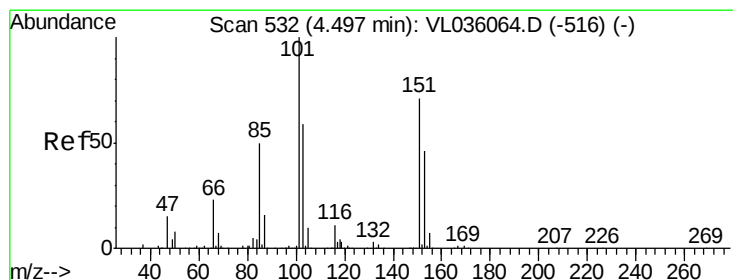
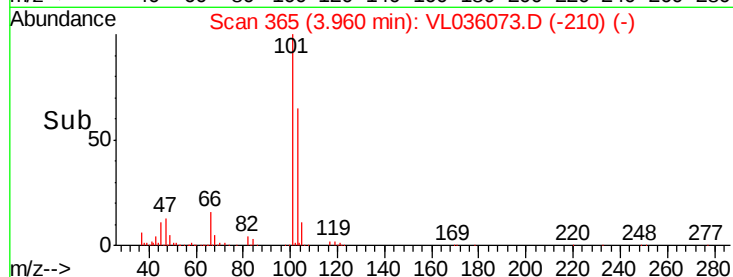
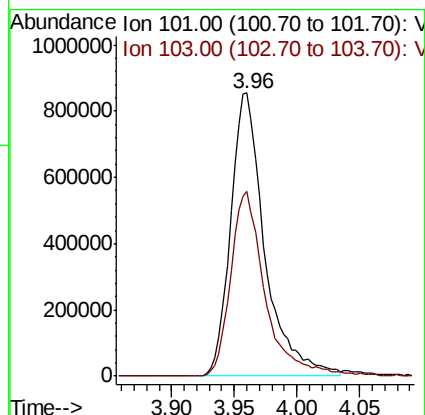
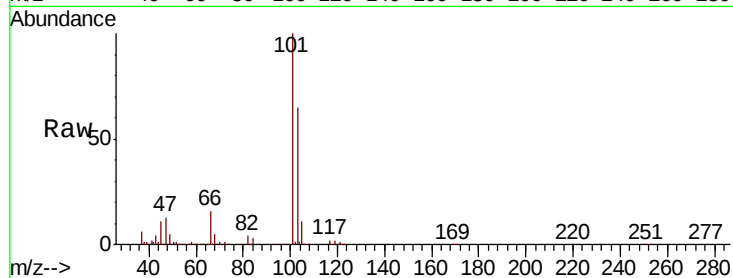




#11
 Trichlorofluoromethane
 Concen: 9.419 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

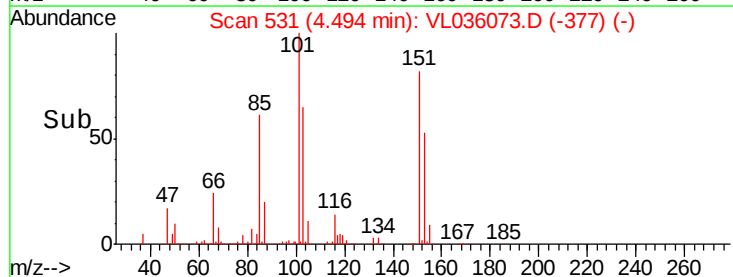
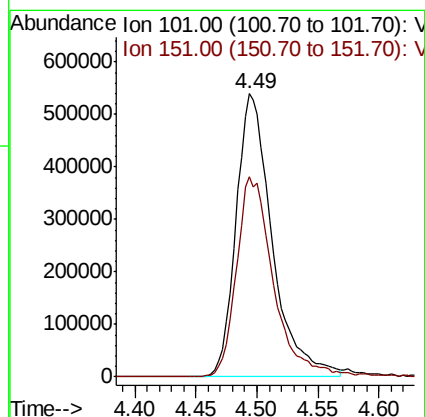
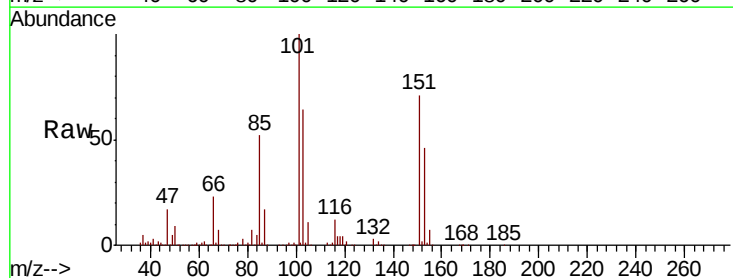
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

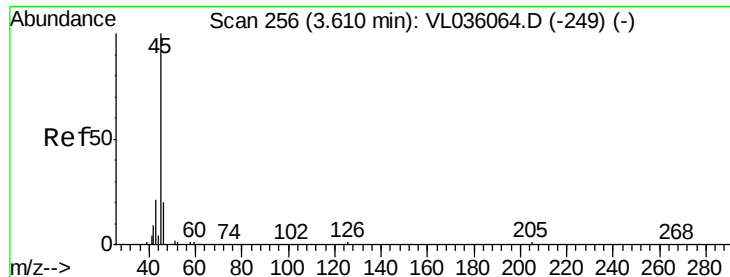
Tot Ion:101 Resp: 1620494
 Ion Ratio Lower Upper
 101 100
 103 65.2 50.3 75.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.474 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Tgt Ion:101 Resp: 1106908
 Ion Ratio Lower Upper
 101 100
 151 73.0 59.3 88.9





#13

Ethanol

Concen: 2.980 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

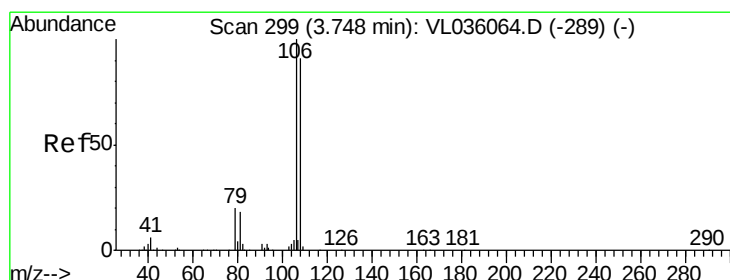
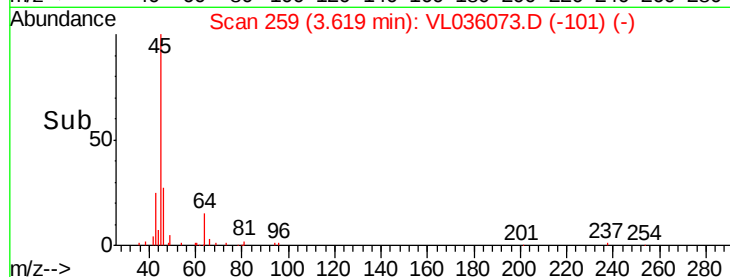
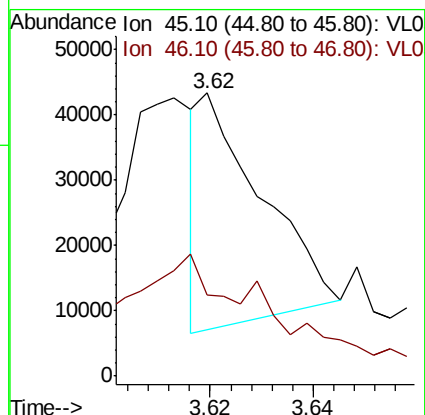
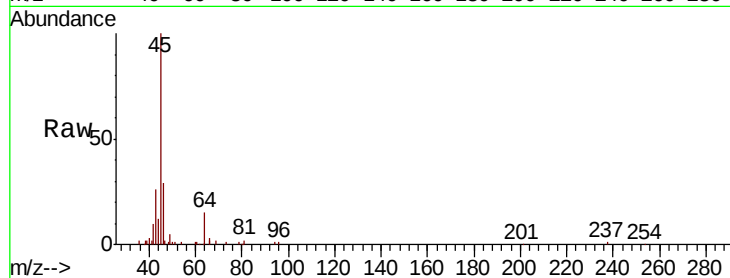
VL1207ABS01

Tot Ion: 45 Resp: 29483

Ion Ratio Lower Upper

45 100

46 153.7 19.0 75.8#



#14

Bromoethene

Concen: 9.530 ppbv

RT: 3.75 min Scan# 299

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

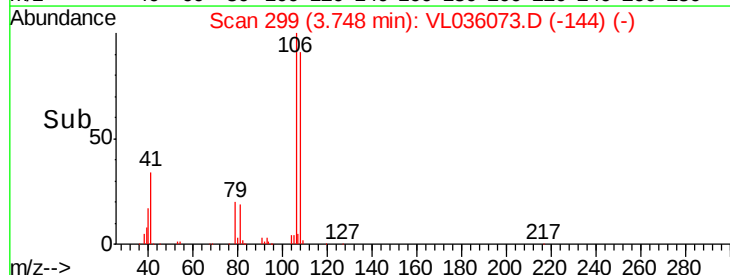
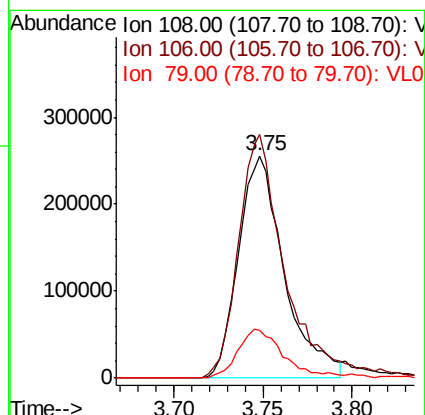
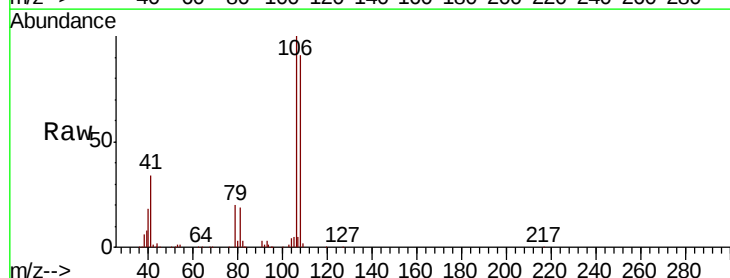
Tgt Ion: 108 Resp: 456786

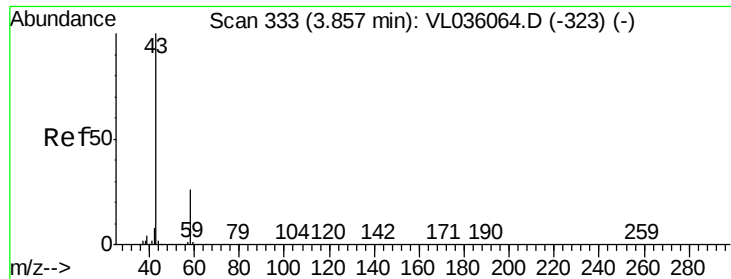
Ion Ratio Lower Upper

108 100

106 113.3 91.0 136.4

79 23.1 19.3 28.9





#15

Acetone

Concen: 9.535 ppbv

RT: 3.86 min Scan# 333

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

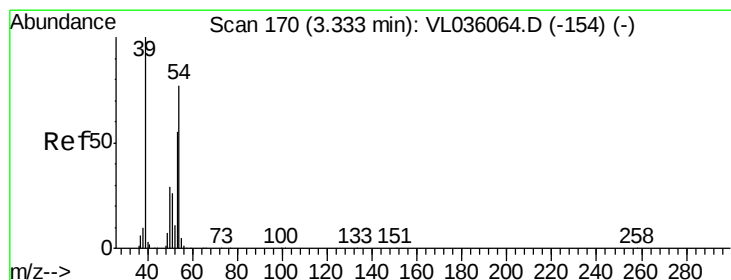
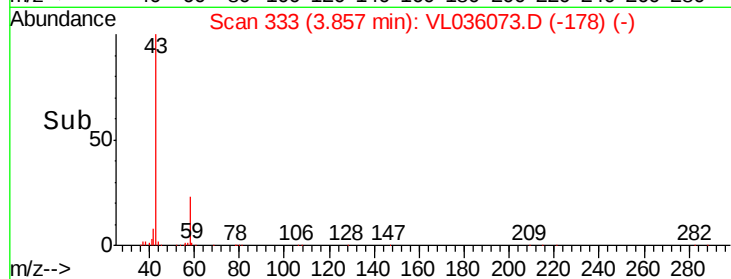
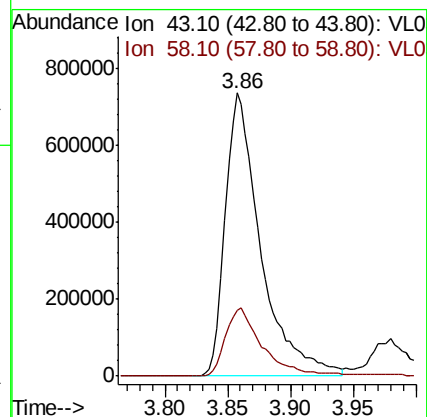
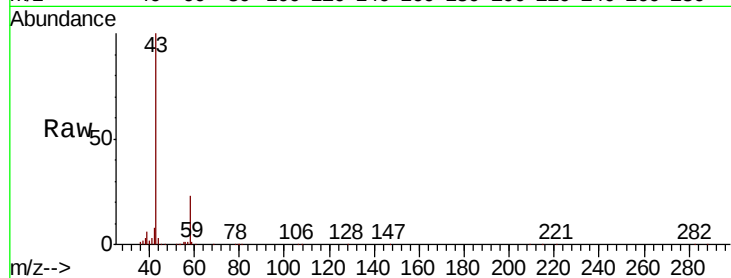
VL1207ABS01

Tot Ion: 43 Resp: 1438852

Ion Ratio Lower Upper

43 100

58 25.4 20.9 31.3



#16

1,3-Butadiene

Concen: 9.453 ppbv

RT: 3.33 min Scan# 170

Delta R.T. -0.00 min

Lab File: VL036073.D

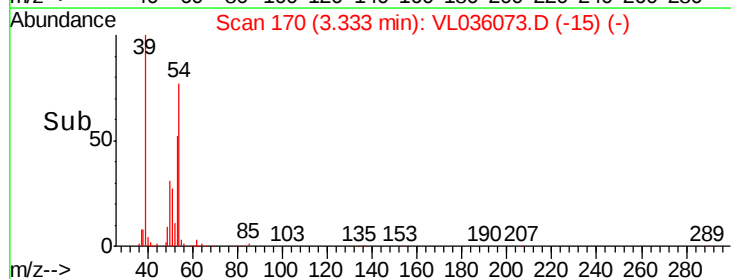
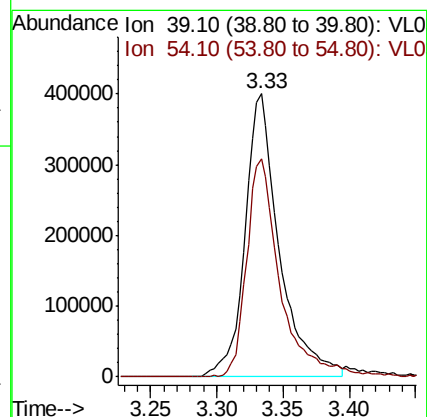
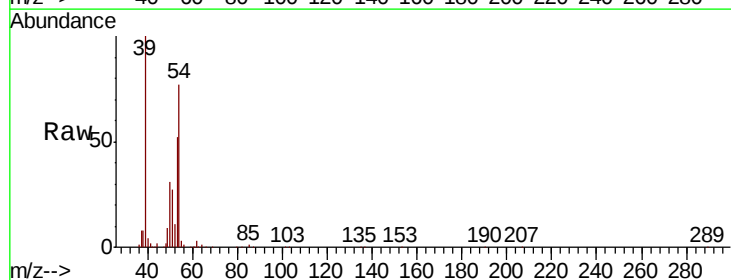
Acq: 7 Dec 2020 19:49

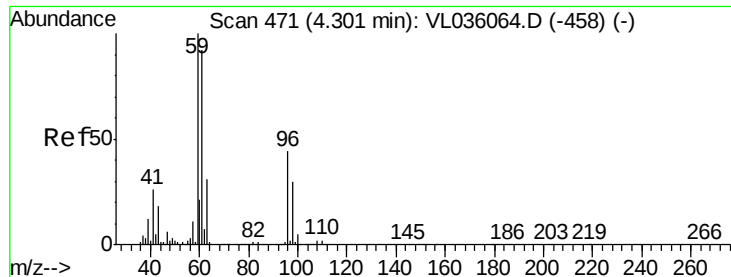
Tgt Ion: 39 Resp: 718442

Ion Ratio Lower Upper

39 100

54 76.7 62.1 93.1





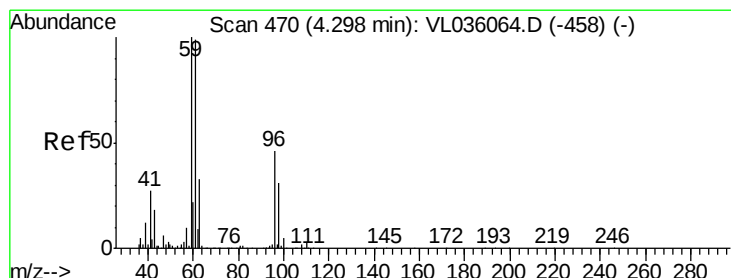
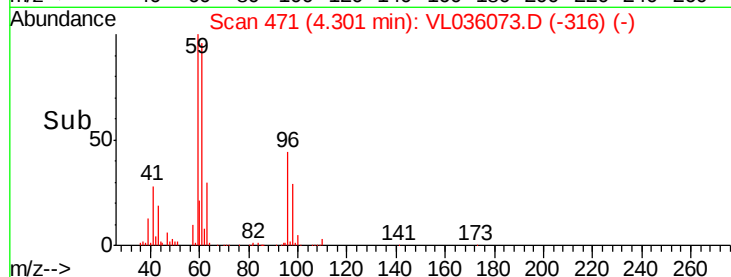
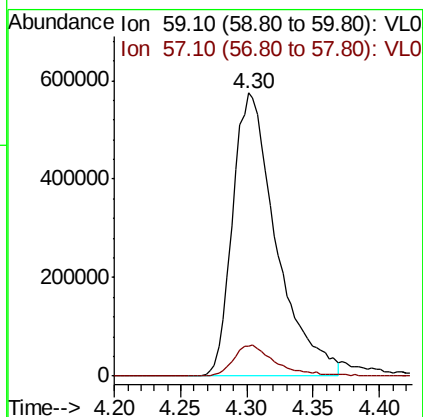
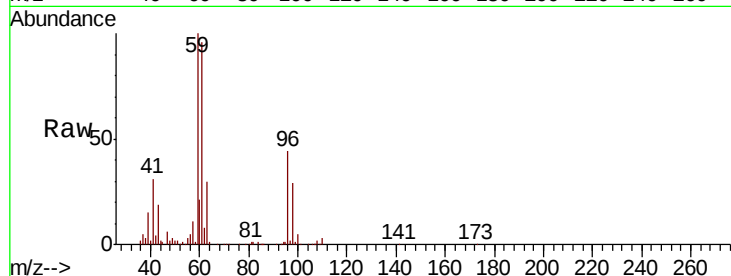
#17

tert-Butyl alcohol
Concen: 9.025 ppbv
RT: 4.30 min Scan# 471
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tot Ion: 59 Resp: 1319235

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.7	13.1

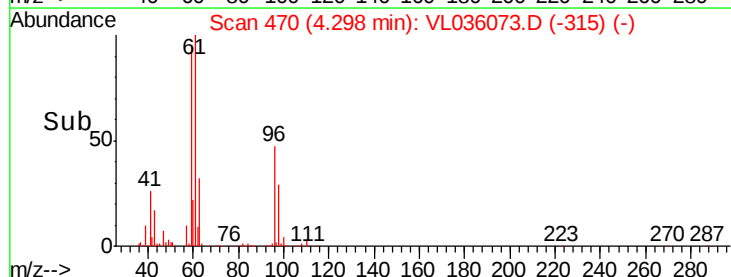
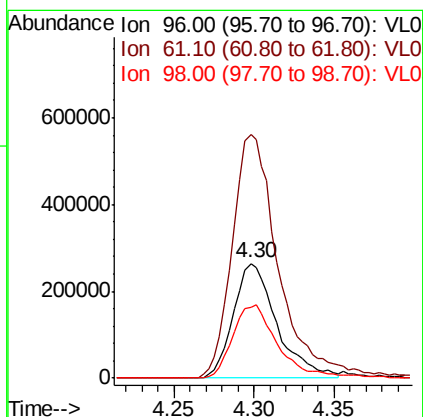
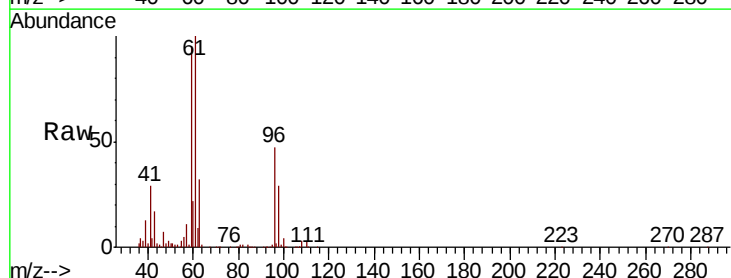


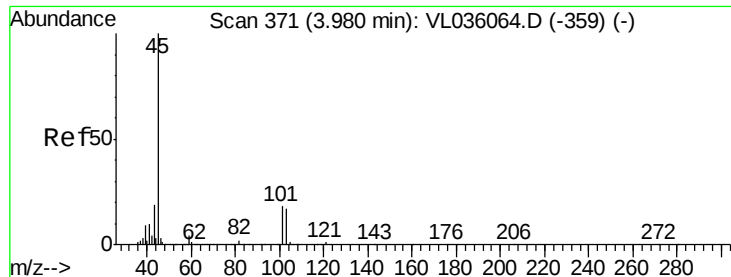
#18

1,1-Dichloroethene
Concen: 9.472 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Tgt Ion: 96 Resp: 491361

Ion	Ratio	Lower	Upper
96	100		
61	211.8	171.4	257.2
98	61.4	54.2	81.2





#19

Isopropyl Alcohol

Concen: 8.857 ppbv

RT: 3.98 min Scan# 370

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

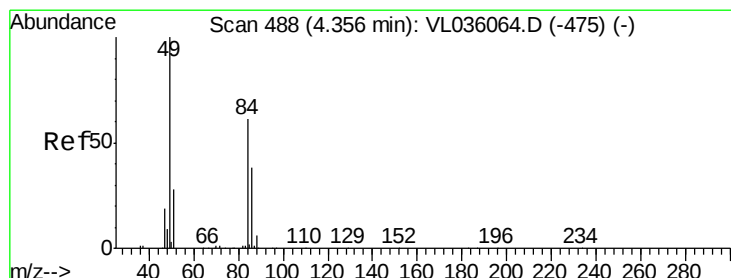
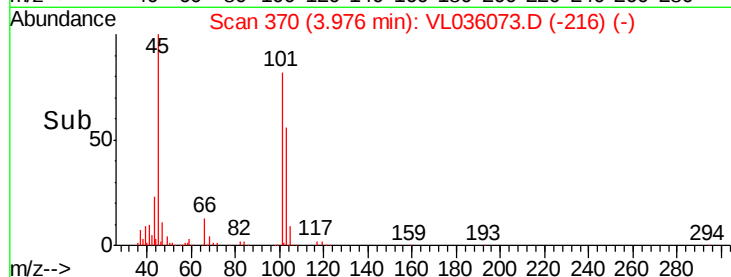
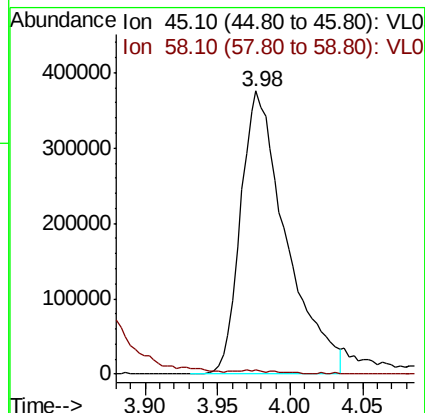
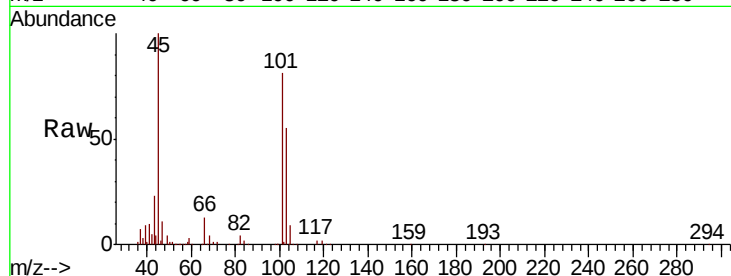
VL1207ABS01

Tot Ion: 45 Resp: 816937

Ion Ratio Lower Upper

45 100

58 1.8 0.0 0.0#



#20

Methylene Chloride

Concen: 7.015 ppbv

RT: 4.35 min Scan# 487

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Tgt Ion: 84 Resp: 433803

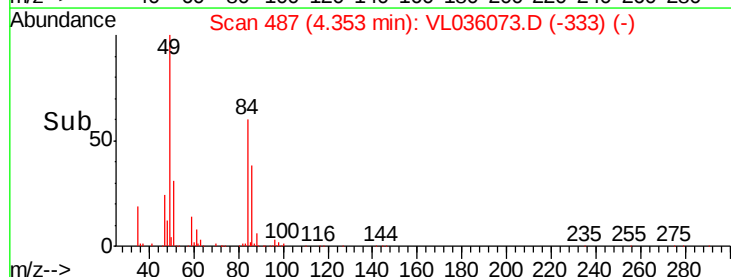
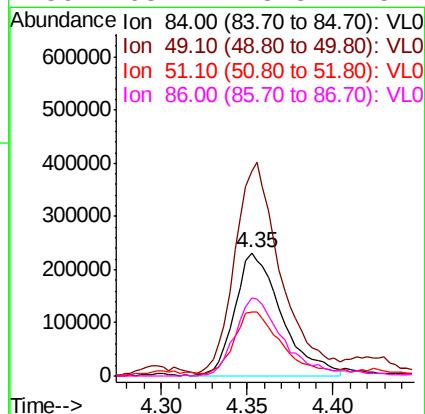
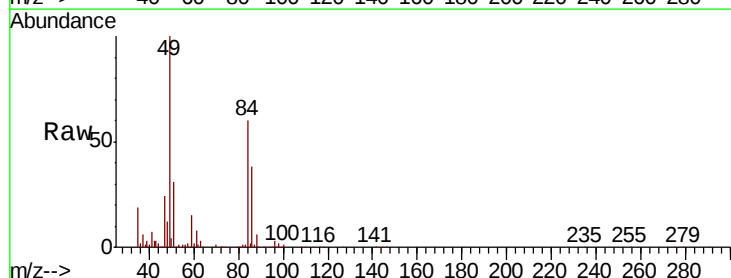
Ion Ratio Lower Upper

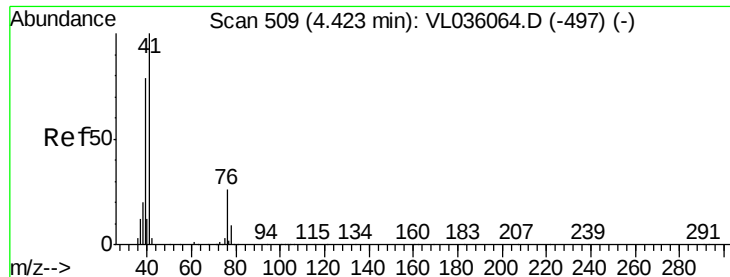
84 100

49 163.5 133.0 199.4

51 49.1 38.9 58.3

86 63.1 48.8 73.2





#21

Allvl Chloride

Concen: 9.120 ppbv

RT: 4.42 min Scan# 509

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

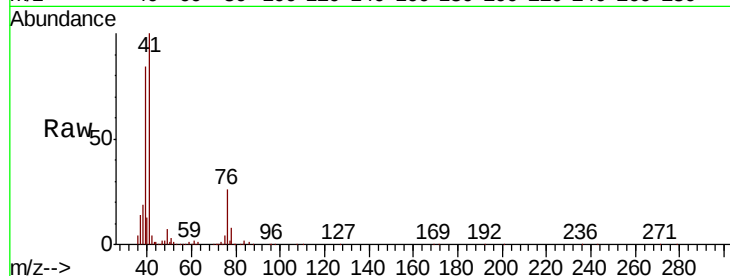
Tot Ion: 41 Resp: 915063

Ion Ratio Lower Upper

41 100

76 27.3 21.0 31.4

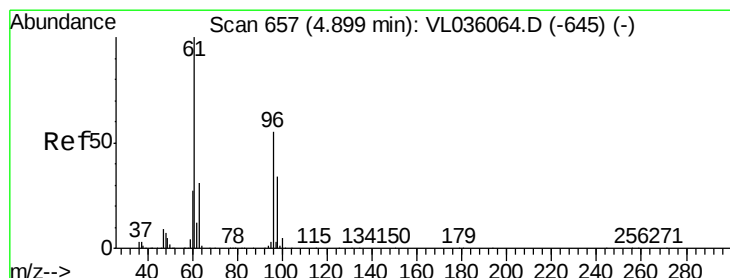
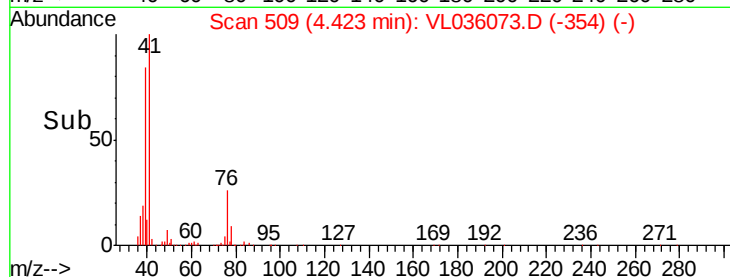
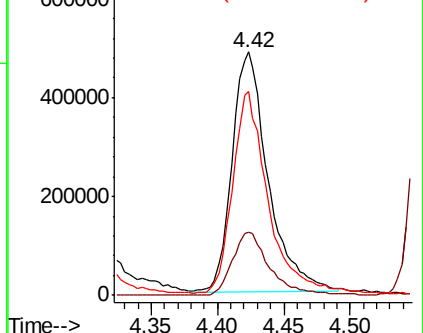
39 84.3 66.0 99.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.556 ppbv

RT: 4.90 min Scan# 656

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

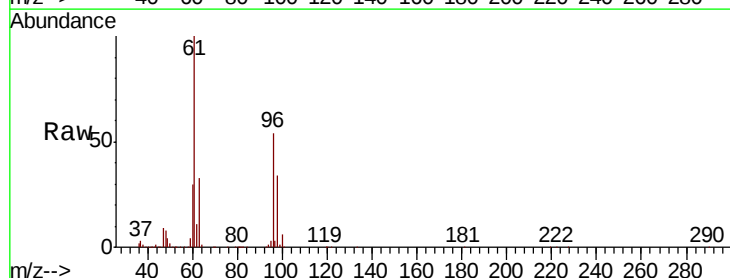
Tgt Ion: 96 Resp: 496297

Ion Ratio Lower Upper

96 100

61 186.4 145.7 218.5

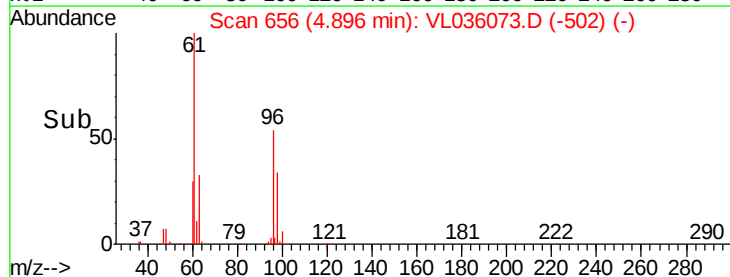
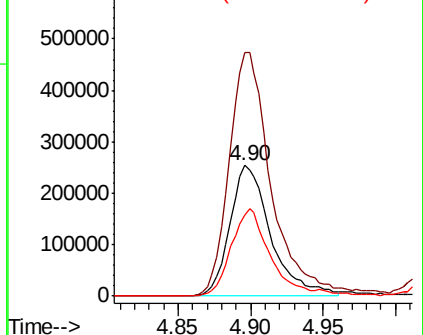
98 62.5 49.2 73.8

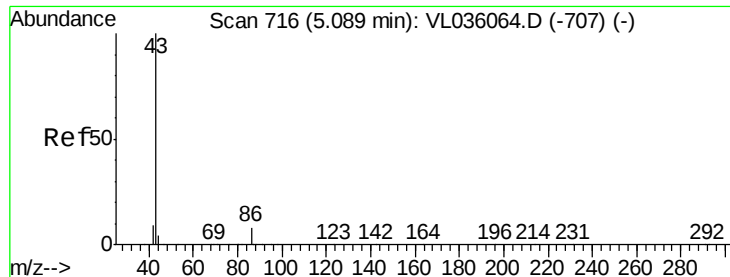


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.063 ppbv

RT: 5.09 min Scan# 716

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tot Ion: 43 Resp: 2021823

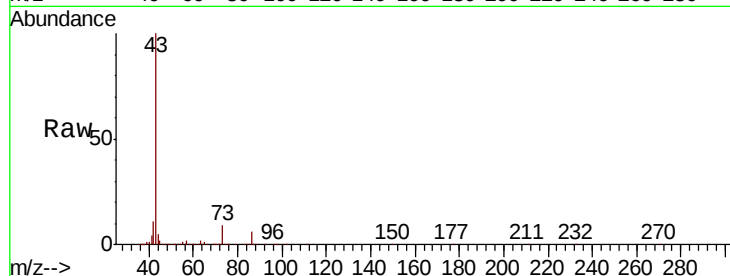
Ion	Ratio	Lower	Upper
43	100		
86	6.1	5.0	7.4
42	10.5	7.8	11.6
44	4.8	3.2	4.8

43 100

86 6.1 5.0 7.4

42 10.5 7.8 11.6

44 4.8 3.2 4.8



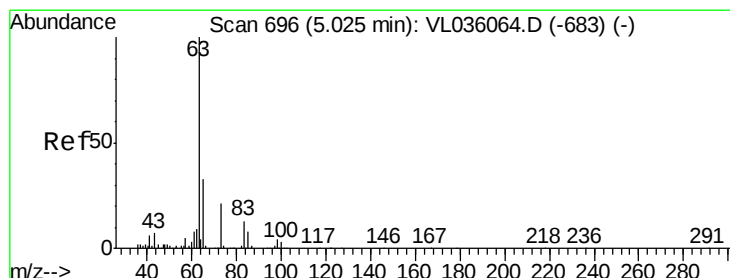
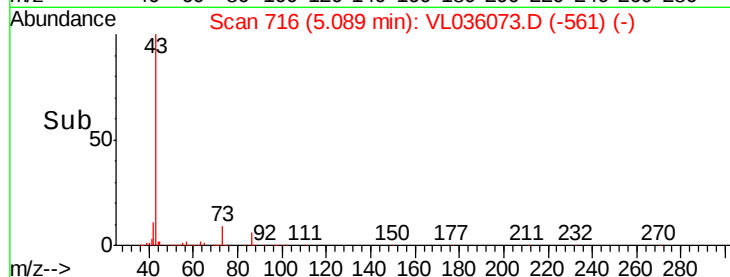
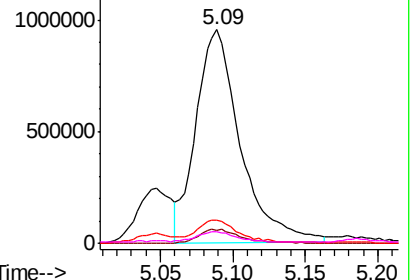
Abundance

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: 9.357 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

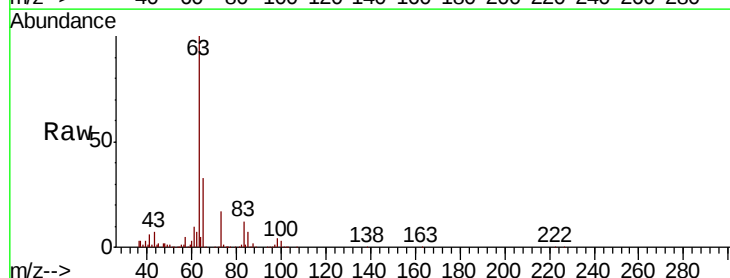
Tgt Ion: 63 Resp: 1322164

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.2	6.6
100	2.6	1.5	4.4

63 100

98 3.9 2.2 6.6

100 2.6 1.5 4.4

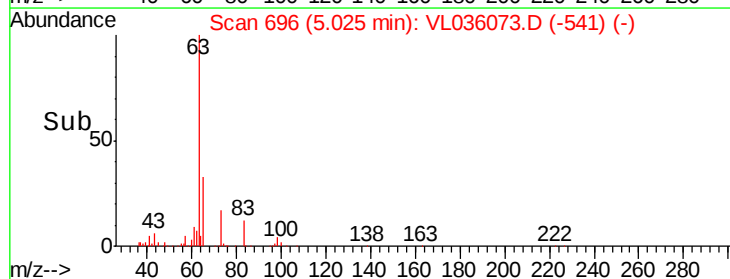
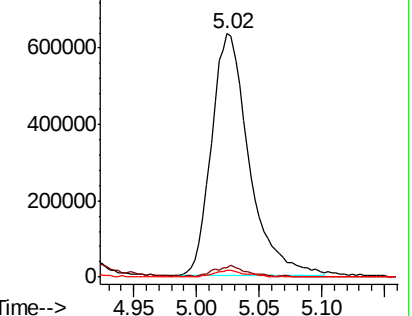


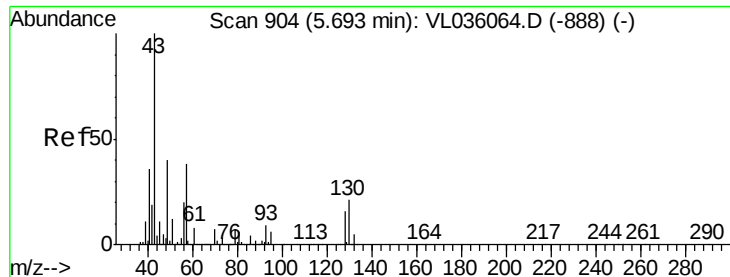
Abundance

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



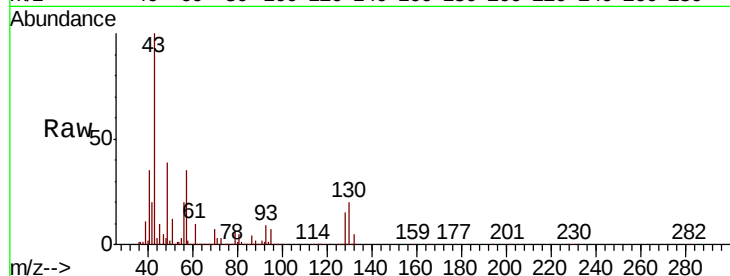


#25
Ethyl Acetate
Concen: 9.706 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

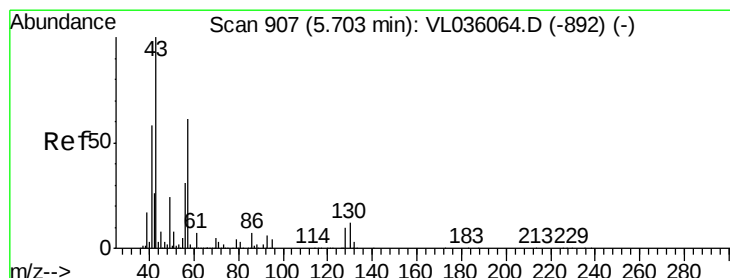
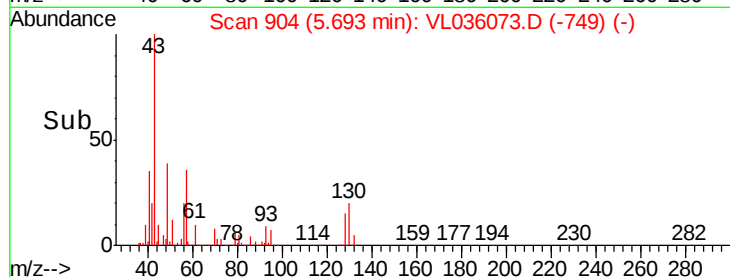
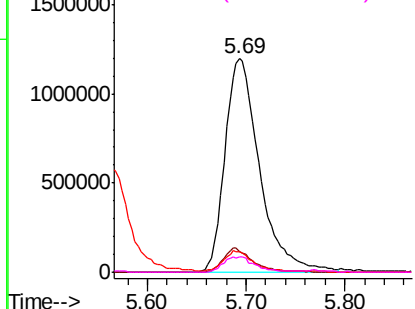
Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tot Ion: 43 Resp: 2926174

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.4
61	9.0	7.4	11.2
70	6.5	5.4	8.0



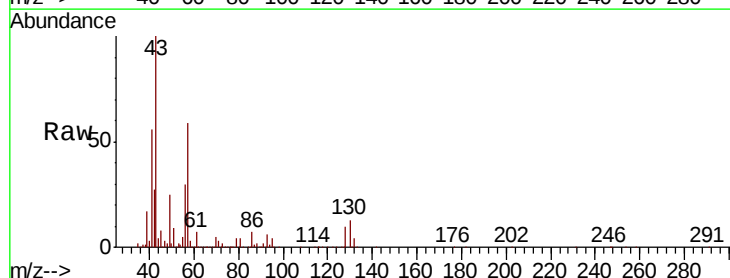
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



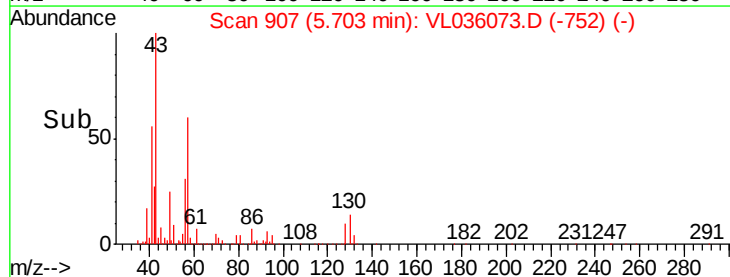
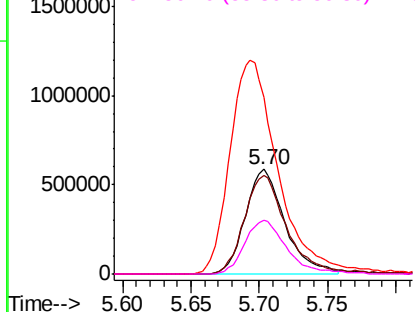
#26
Hexane
Concen: 8.734 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

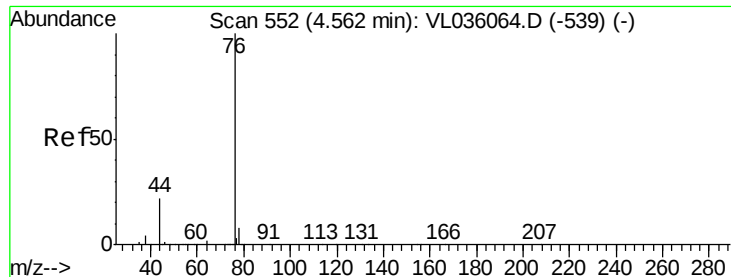
Tgt Ion: 57 Resp: 1185017

Ion	Ratio	Lower	Upper
57	100		
41	102.7	82.9	124.3
43	251.0	199.9	299.9
56	55.0	43.1	64.7



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: 9.583 ppbv

RT: 4.56 min Scan# 552

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

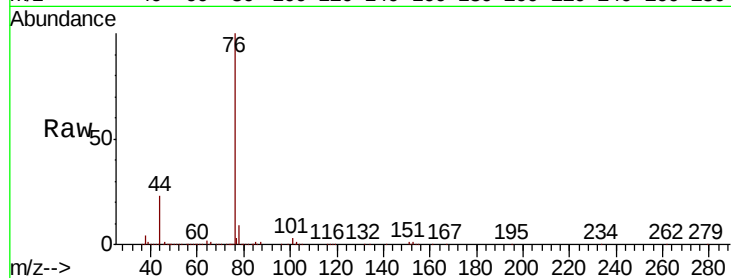
MSVOA_L

ClientSampleId :

VL1207ABS01

Tot Ion: 76 Resp: 1292200

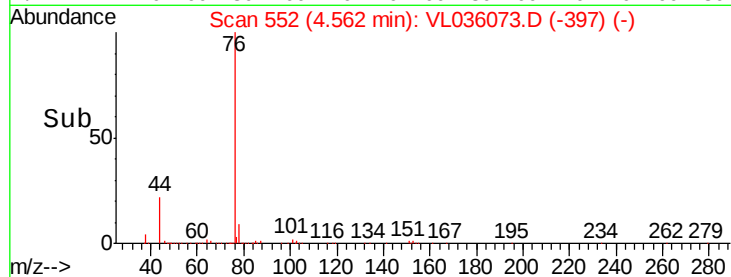
Ion	Ratio	Lower	Upper
76	100		
44	23.8	17.9	26.9
78	9.9	7.8	11.8



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

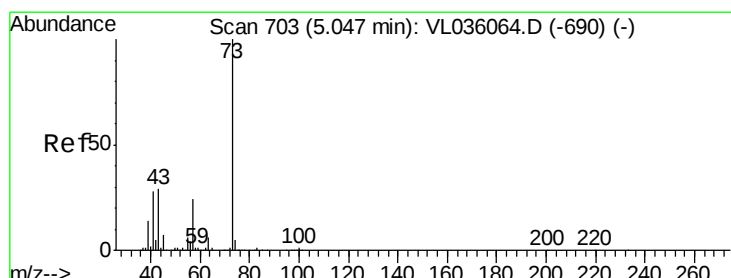
Ion 78.00 (77.70 to 78.70): VL0



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: 9.296 ppbv

RT: 5.05 min Scan# 703

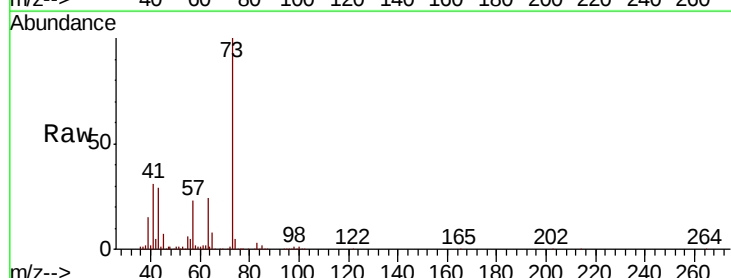
Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

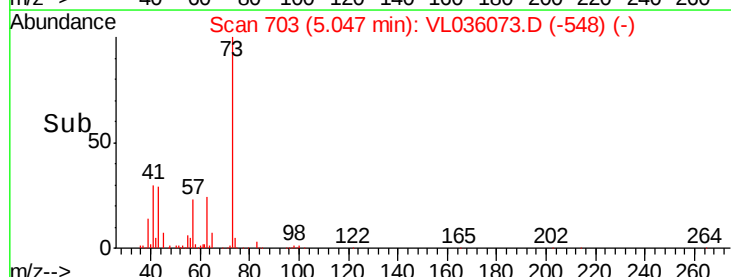
Tgt Ion: 73 Resp: 1793142

Ion	Ratio	Lower	Upper
73	100		
57	24.3	19.2	28.8



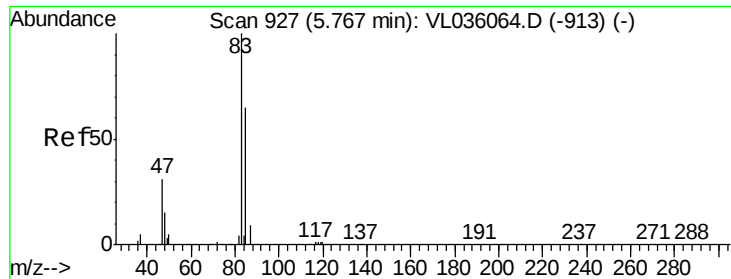
Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#29

Chloroform

Concen: 9.750 ppbv

RT: 5.77 min Scan# 928

Delta R.T. 0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

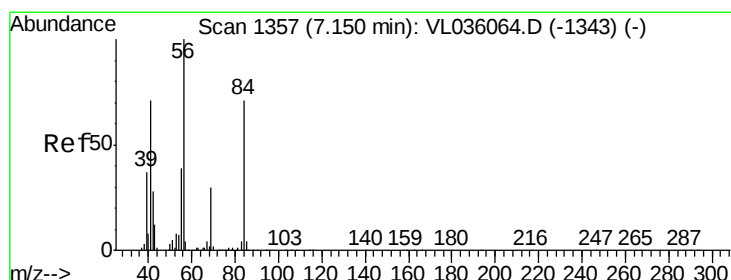
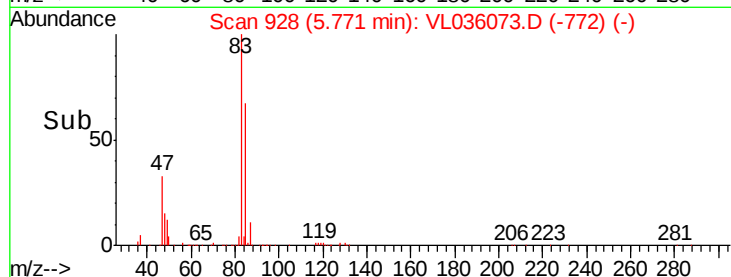
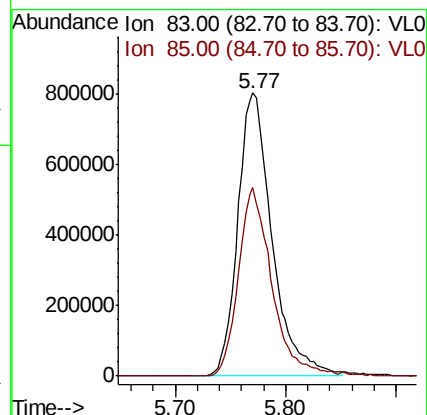
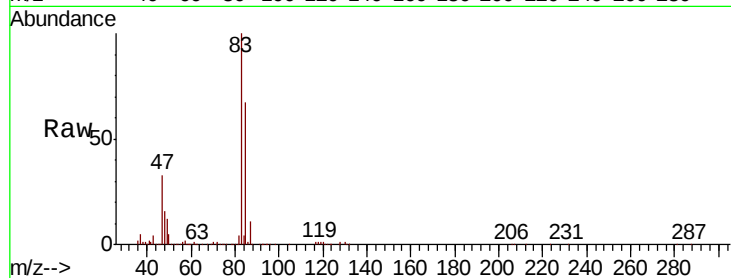
VL1207ABS01

Tot Ion: 83 Resp: 1737225

Ion Ratio Lower Upper

83 100

85 66.4 51.8 77.6



#30

Cyclohexane

Concen: 9.558 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

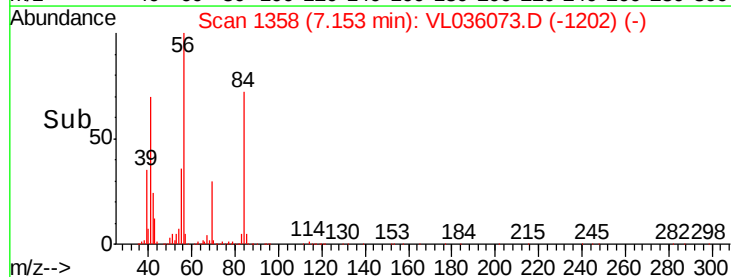
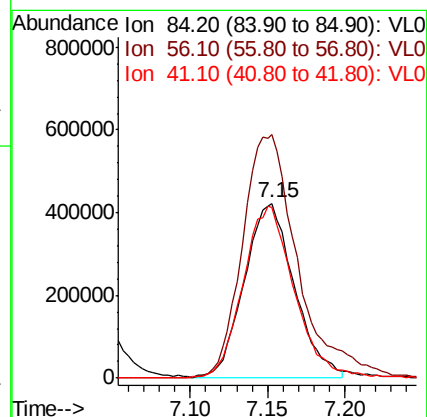
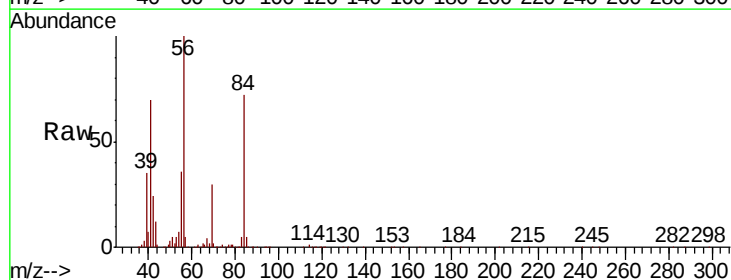
Tgt Ion: 84 Resp: 952610

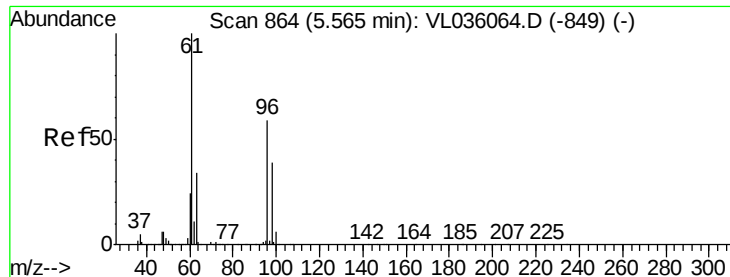
Ion Ratio Lower Upper

84 100

56 155.2 128.0 192.0

41 100.9 81.3 121.9



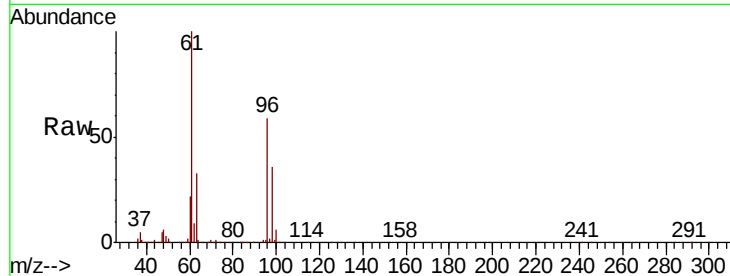


#31

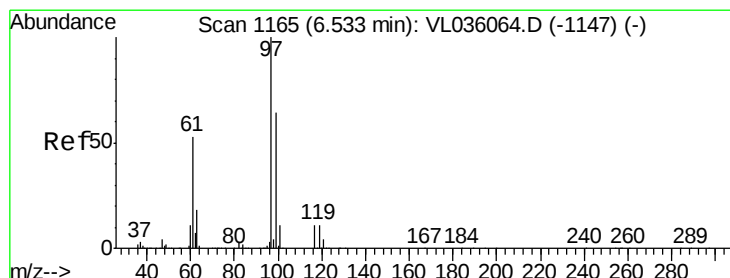
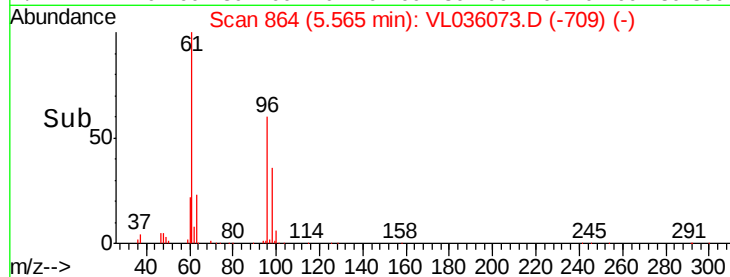
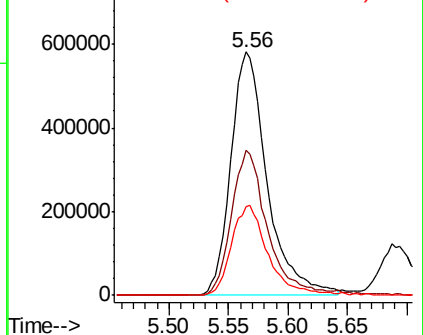
cis-1,2-Dichloroethene
 Concen: 9.951 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tot Ion: 61 Resp: 1227332
 Ion Ratio Lower Upper
 61 100
 96 59.4 47.3 70.9
 98 36.2 31.4 47.0



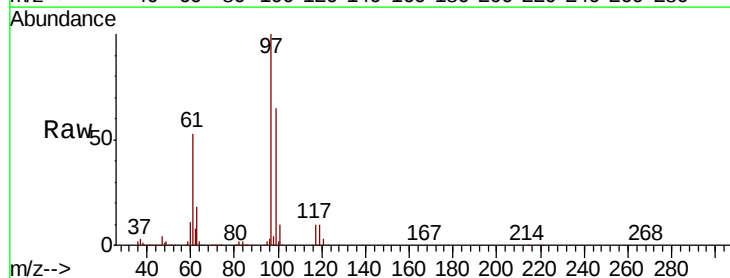
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



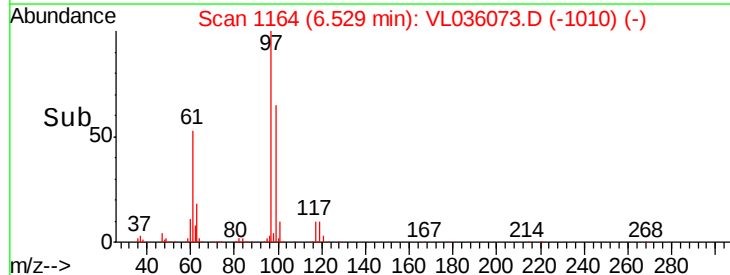
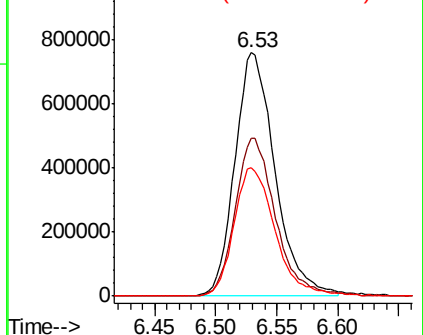
#32

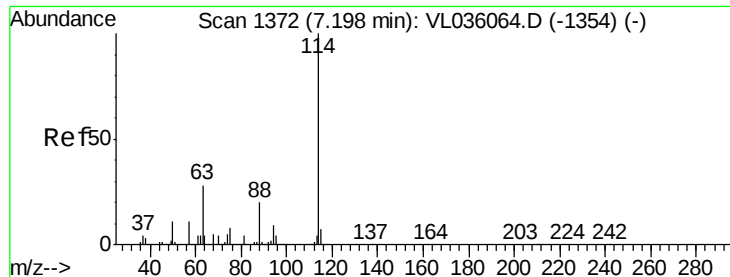
1,1,1-Trichloroethane
 Concen: 9.457 ppbv
 RT: 6.53 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Tgt Ion: 97 Resp: 1738672
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.4 78.6
 61 54.3 43.4 65.0



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0

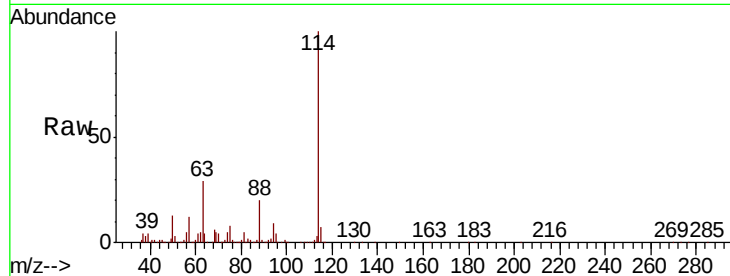




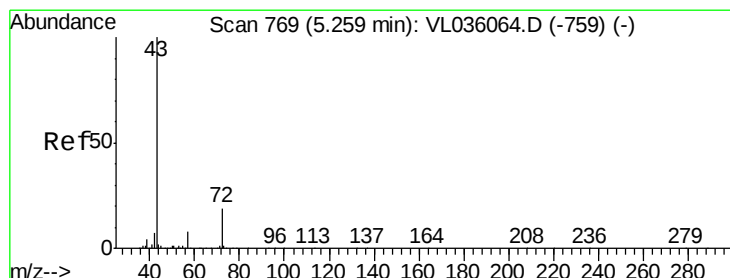
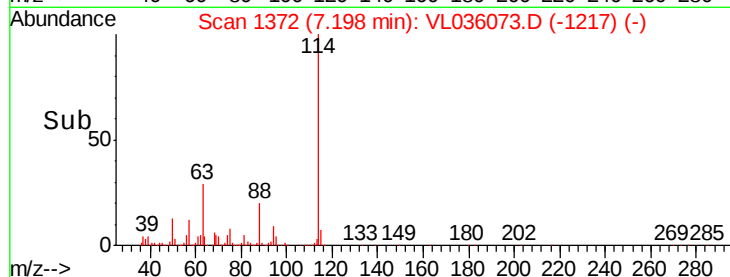
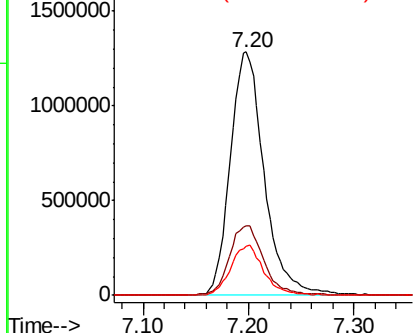
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tot Ion:114 Resp: 2860673
 Ion Ratio Lower Upper
 114 100
 63 29.7 23.6 35.4
 88 20.3 15.8 23.6

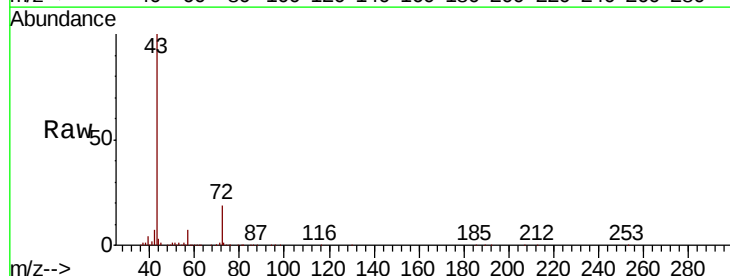


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

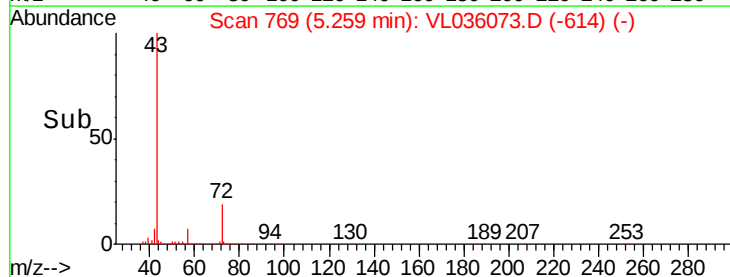
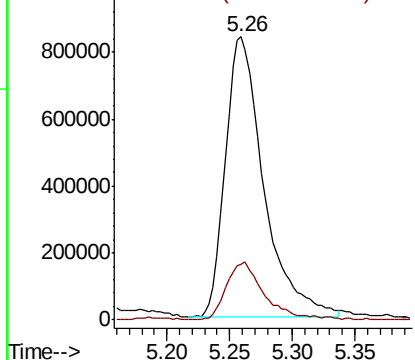


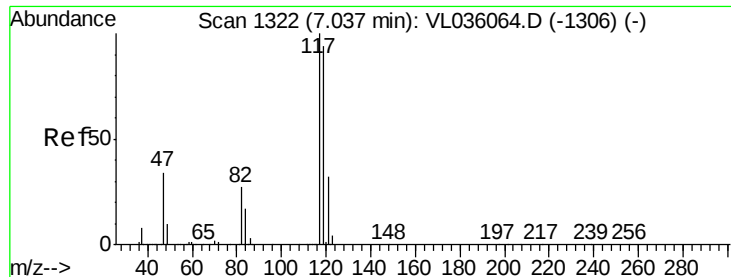
#34
 2-Butanone
 Concen: 9.427 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Tgt Ion: 43 Resp: 1788758
 Ion Ratio Lower Upper
 43 100
 72 20.5 16.5 24.7



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





#35

Carbon Tetrachloride

Concen: 10.265 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

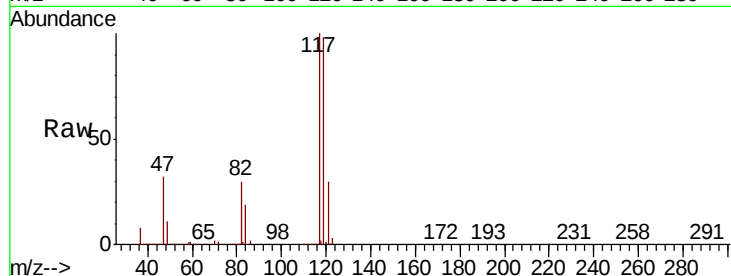
Tot Ion:117 Resp: 1712447

Ion Ratio Lower Upper

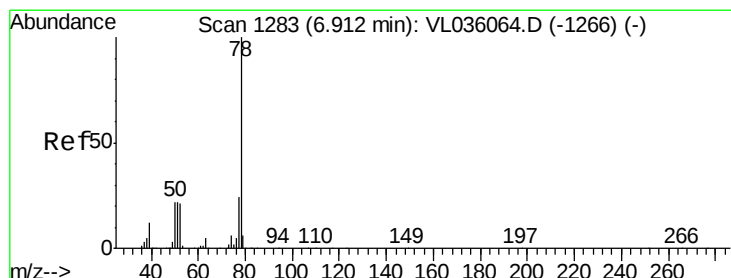
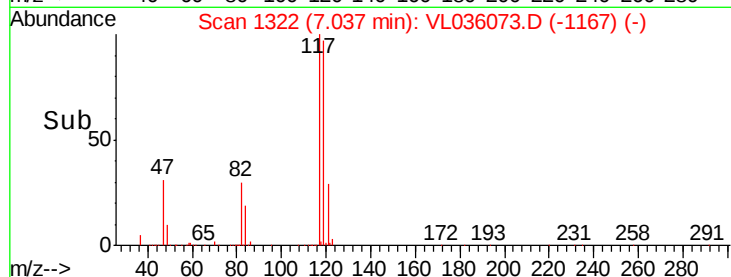
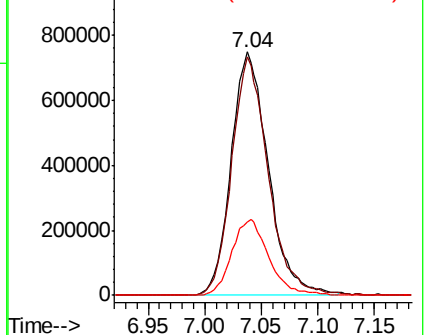
117 100

119 97.9 75.1 112.7

121 30.1 25.6 38.4



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: 9.856 ppbv

RT: 6.91 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

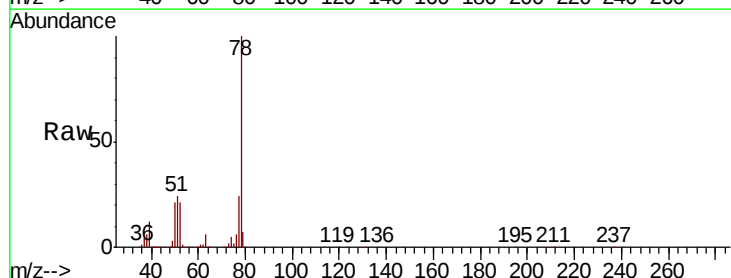
Tgt Ion: 78 Resp: 2389391

Ion Ratio Lower Upper

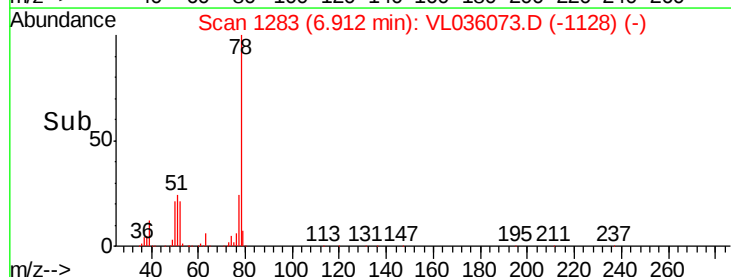
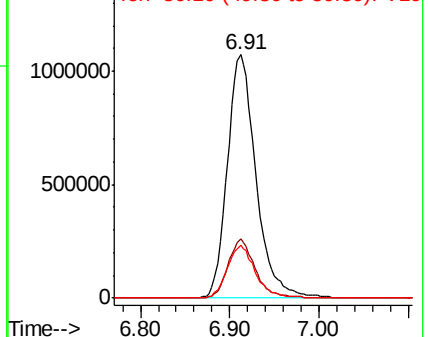
78 100

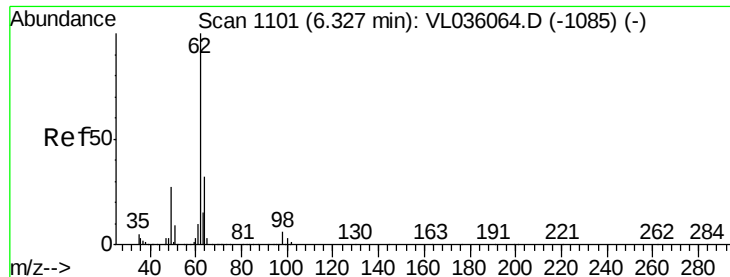
77 24.1 19.4 29.2

50 21.5 17.8 26.8



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.223 ppbv

RT: 6.33 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

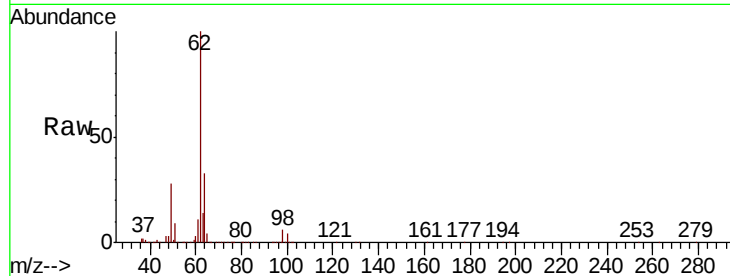
VL1207ABS01

Tot Ion: 62 Resp: 1436076

Ion Ratio Lower Upper

62 100

98 5.6 4.6 7.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.33

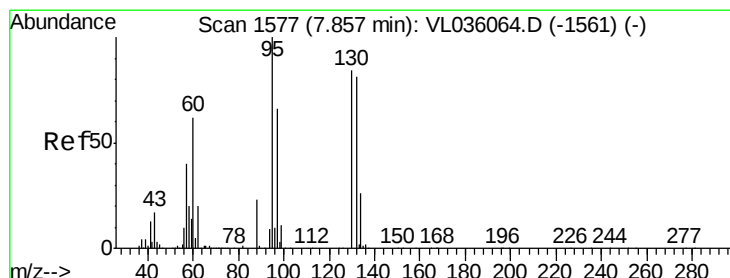
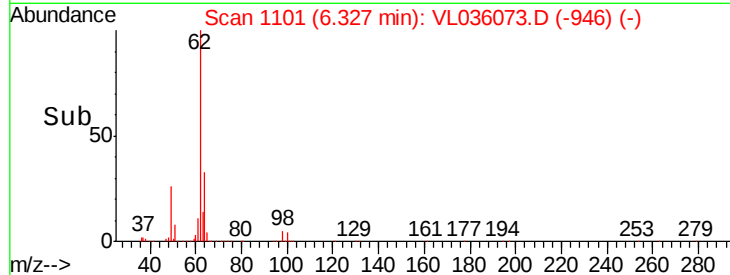
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 8.665 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Tgt Ion: 130 Resp: 785243

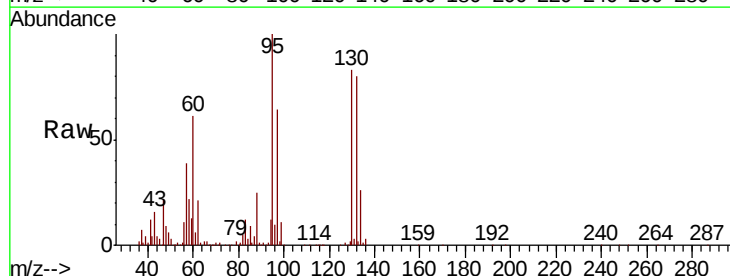
Ion Ratio Lower Upper

130 100

95 120.4 95.2 142.8

132 97.1 76.9 115.3

97 76.8 62.3 93.5



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

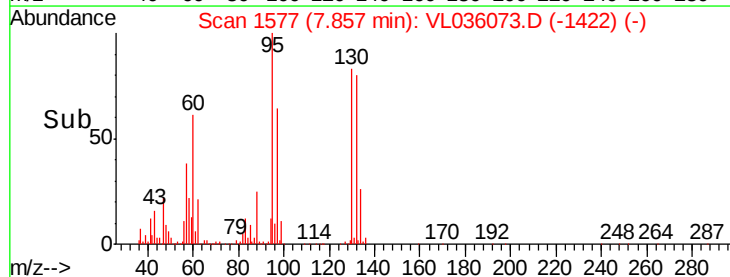
600000

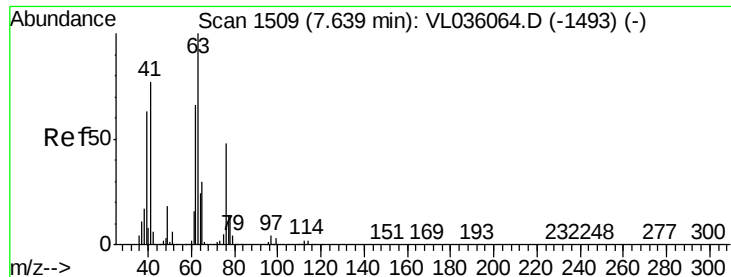
400000

200000

0

Time-->



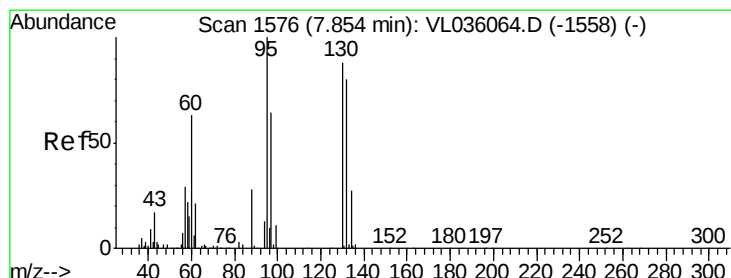
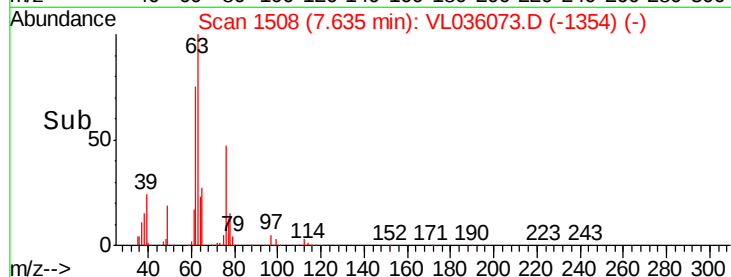
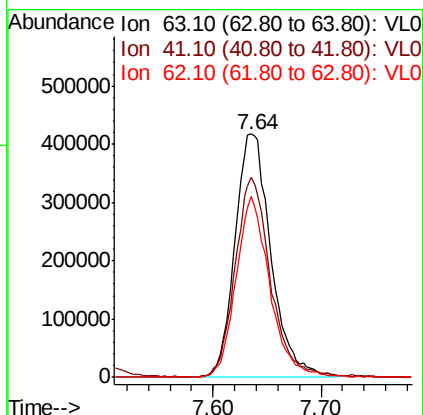
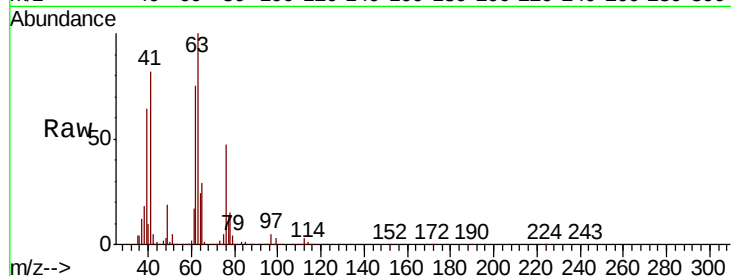


#39
 1,2-Dichloropropane
 Concen: 10.085 ppbv
 RT: 7.64 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tot Ion: 63 Resp: 965593

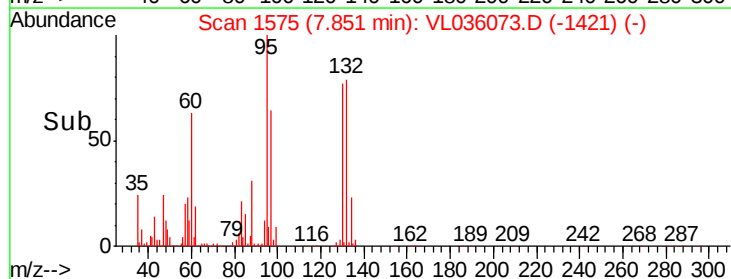
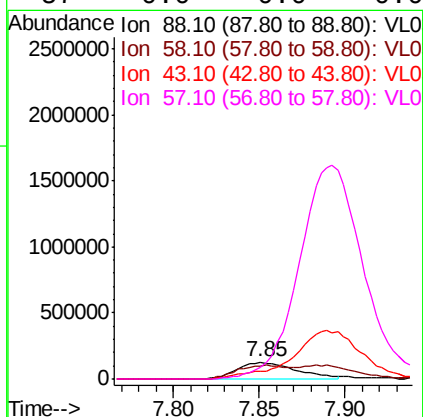
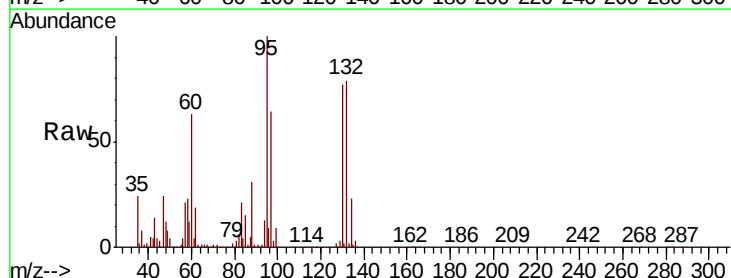
Ion	Ratio	Lower	Upper
63	100		
41	82.2	61.9	92.9
62	74.6	52.5	78.7

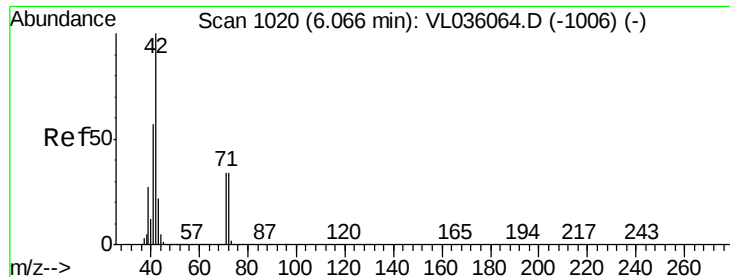


#40
 1,4-Dioxane
 Concen: 9.977 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Tgt Ion: 88 Resp: 300452

Ion	Ratio	Lower	Upper
88	100		
58	61.9	122.6	184.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 9.968 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

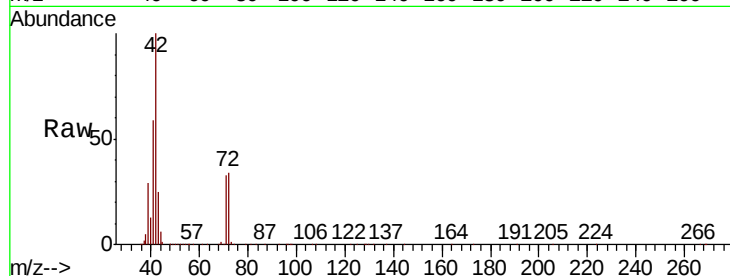
MSVOA_L

ClientSampleId :

VL1207ABS01

Tot Ion: 42 Resp: 1123730

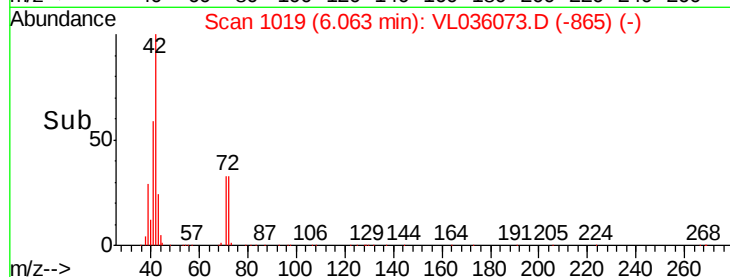
Ion	Ratio	Lower	Upper
42	100		
72	35.3	28.3	42.5
71	34.0	27.3	40.9



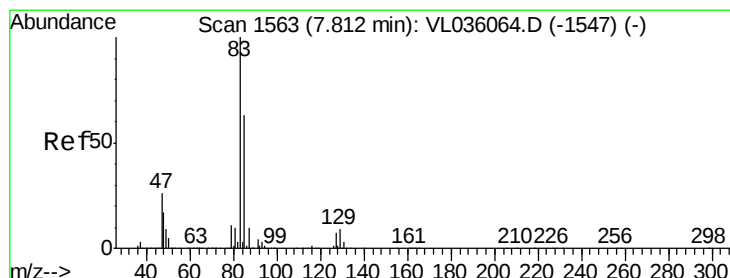
Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



Time-->



#42

Bromodichloromethane

Concen: 10.279 ppbv

RT: 7.82 min Scan# 1564

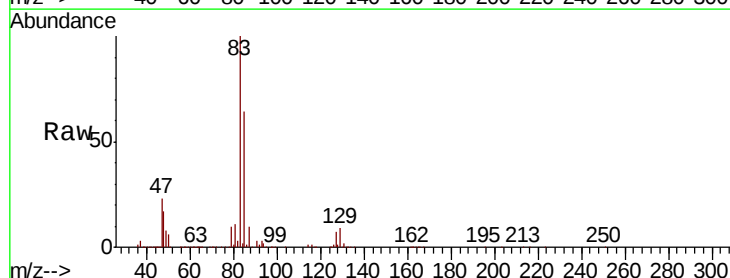
Delta R.T. 0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Tgt Ion: 83 Resp: 1924222

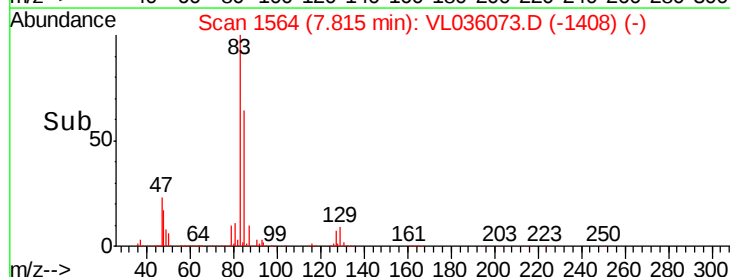
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.2	75.2
127	7.3	5.5	8.3



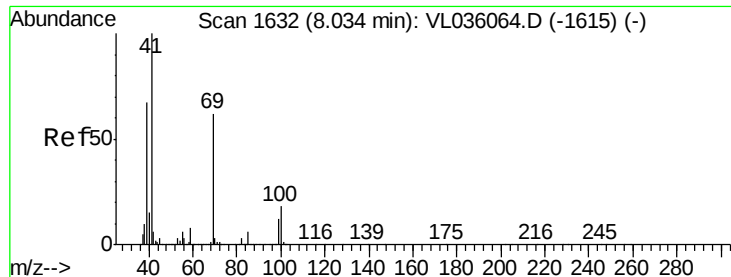
Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V



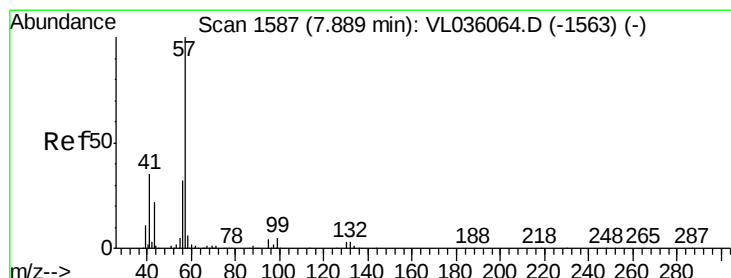
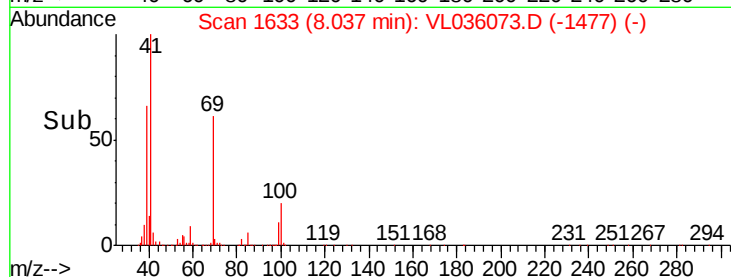
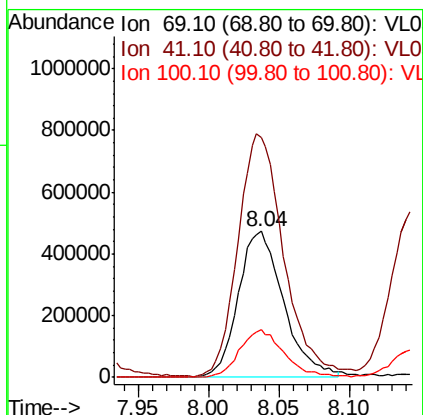
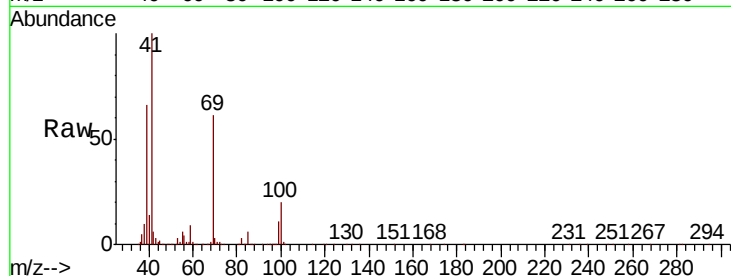
Time-->



#43
Methyl Methacrylate
Concen: 10.233 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

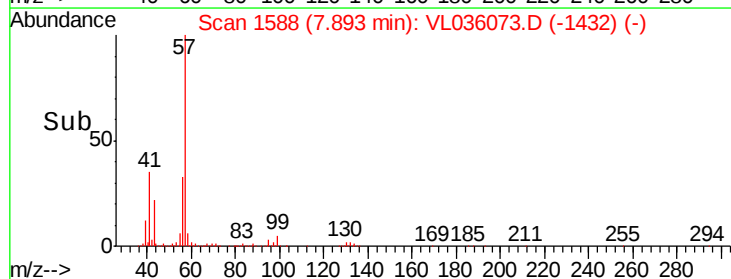
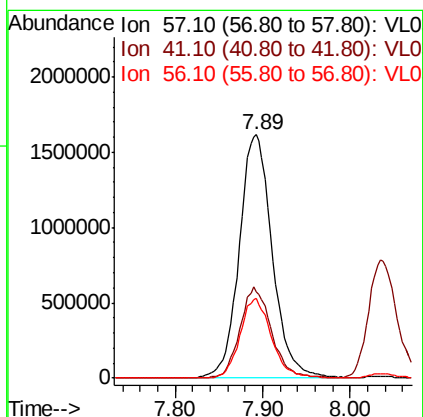
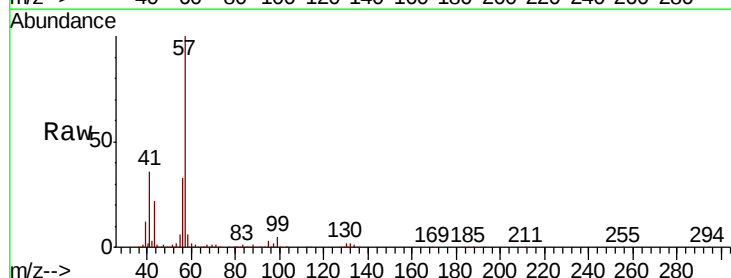
Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

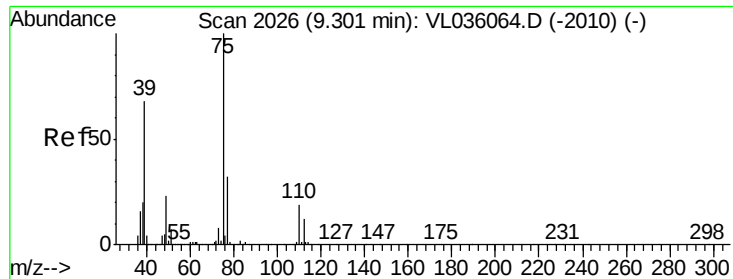
Tot Ion: 69 Resp: 1064278
Ion Ratio Lower Upper
69 100
41 167.8 133.0 199.6
100 32.0 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 9.659 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Tgt Ion: 57 Resp: 4240747
Ion Ratio Lower Upper
57 100
41 35.4 28.9 43.3
56 31.2 25.3 37.9

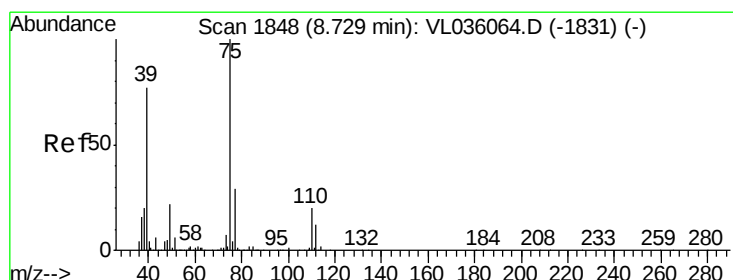
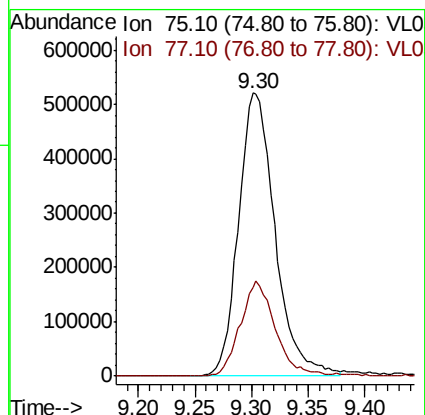
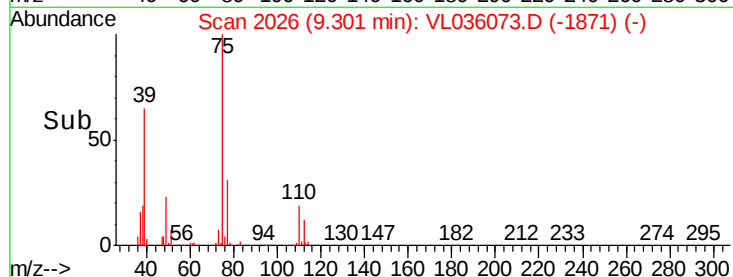
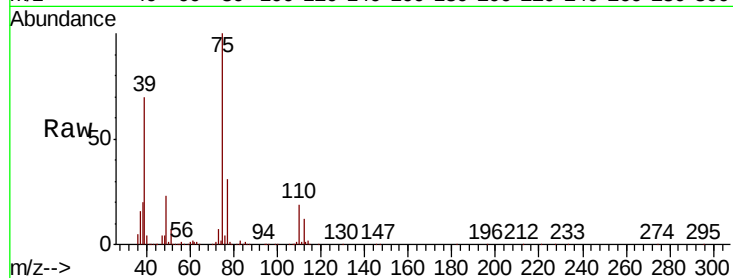




#45
 t-1,3-Dichloropropene
 Concen: 10.941 ppbv
 RT: 9.30 min Scan# 2026
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

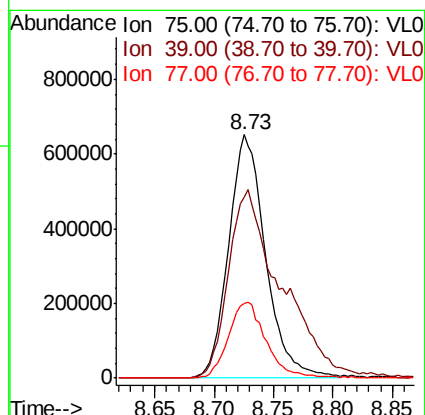
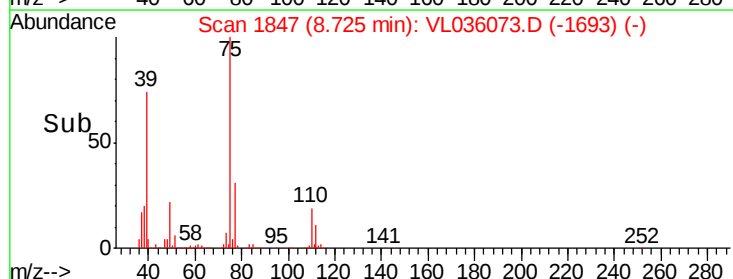
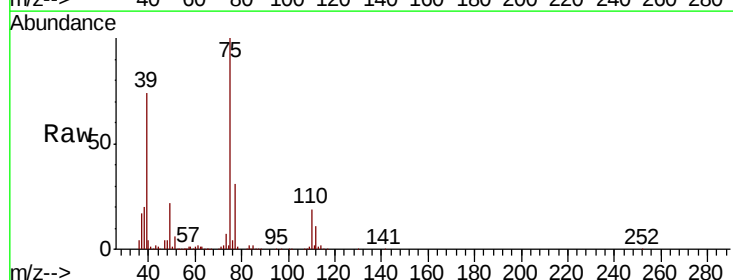
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

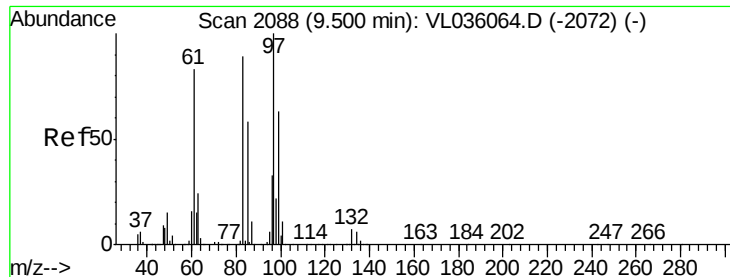
Tot Ion: 75 Resp: 1169090
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.0 39.0



#46
 cis-1,3-Dichloropropene
 Concen: 10.413 ppbv
 RT: 8.73 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Tgt Ion: 75 Resp: 1394617
 Ion Ratio Lower Upper
 75 100
 39 74.4 61.6 92.4
 77 30.6 23.0 34.6

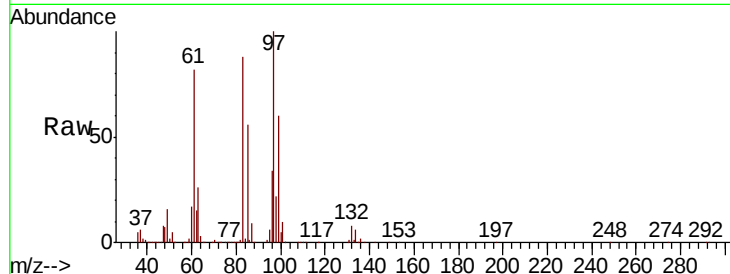




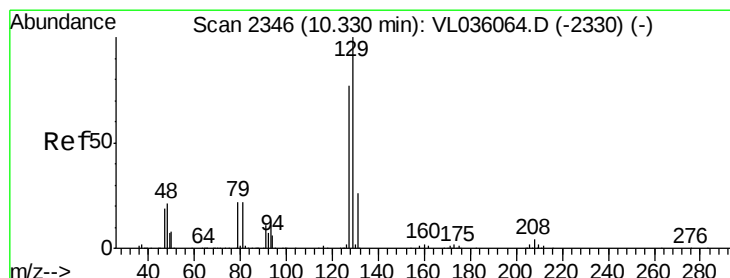
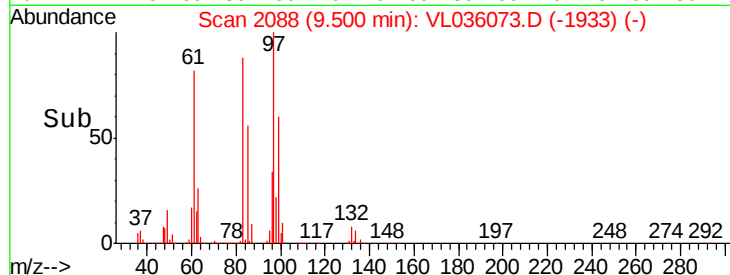
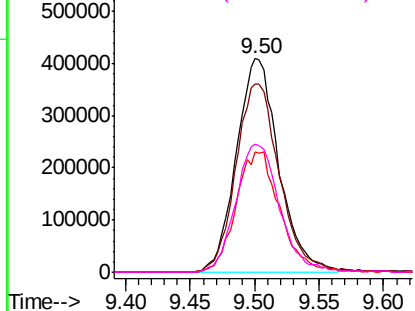
#47
 1,1,2-Trichloroethane
 Concen: 10.168 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tot Ion: 97 Resp: 936539
 Ion Ratio Lower Upper
 97 100
 83 87.7 71.4 107.2
 85 56.4 46.6 70.0
 99 60.1 50.7 76.1

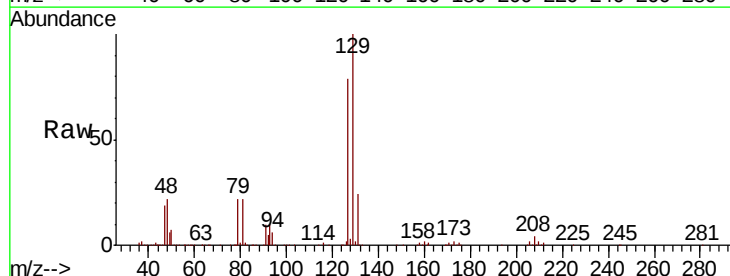


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

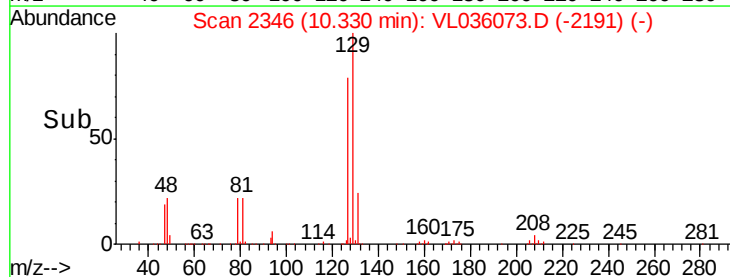
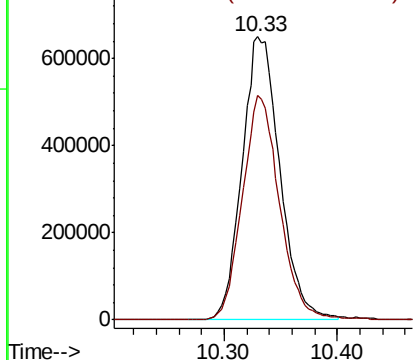


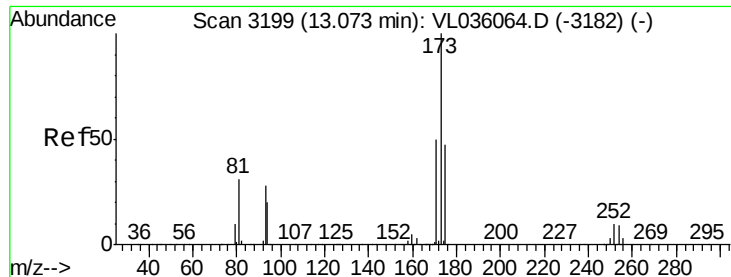
#48
 Dibromochloromethane
 Concen: 10.847 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Tgt Ion: 129 Resp: 1508757
 Ion Ratio Lower Upper
 129 100
 127 78.3 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.594 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

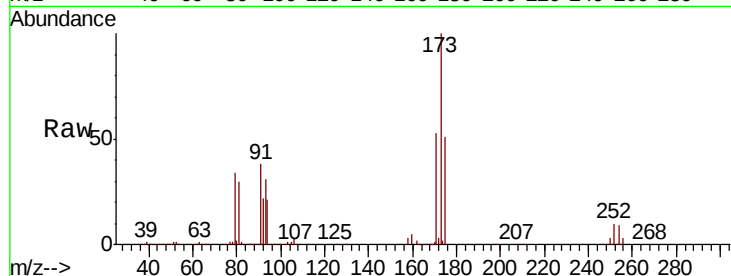
Tot Ion:173 Resp: 1269344

Ion Ratio Lower Upper

173 100

175 50.1 39.8 59.6

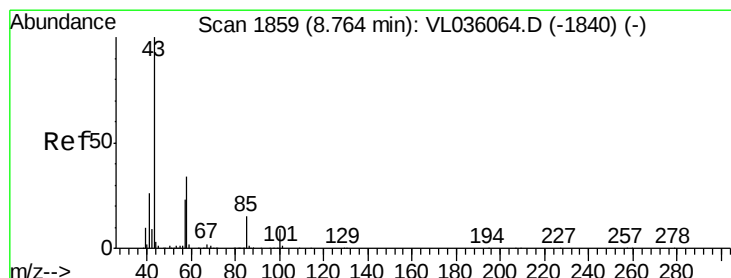
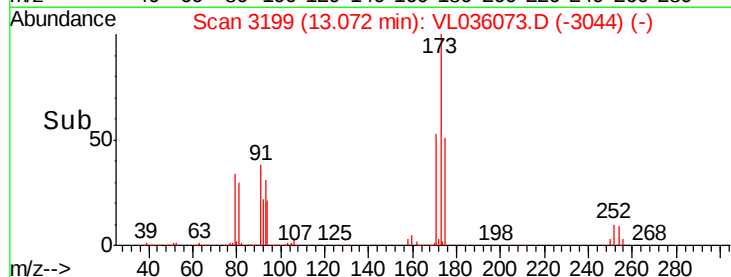
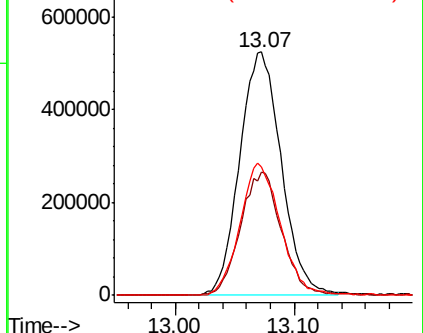
171 53.1 42.5 63.7



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.119 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VL036073.D

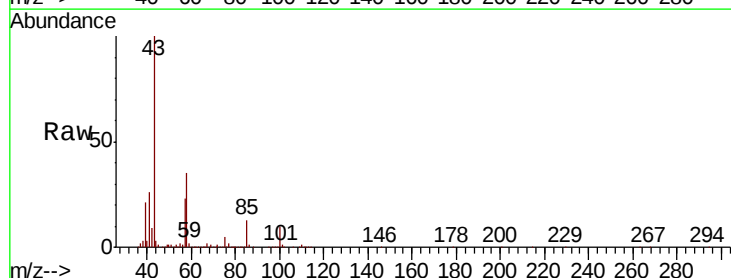
Acq: 7 Dec 2020 19:49

Tgt Ion: 43 Resp: 2863667

Ion Ratio Lower Upper

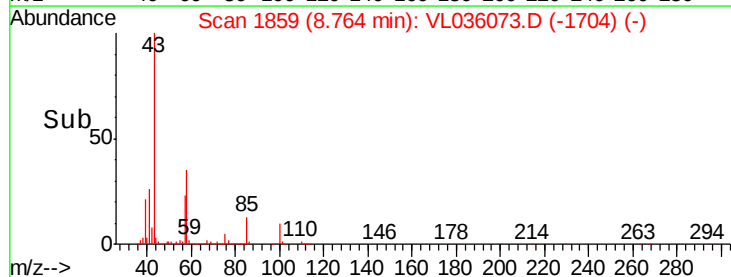
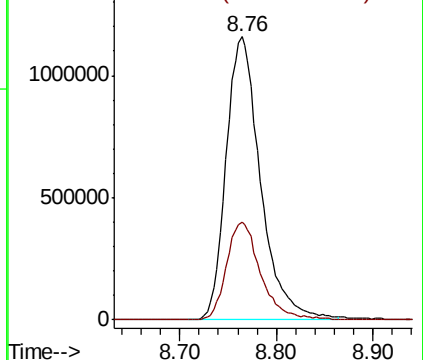
43 100

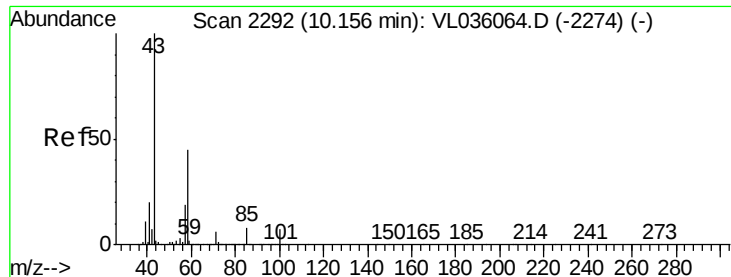
58 34.5 27.4 41.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

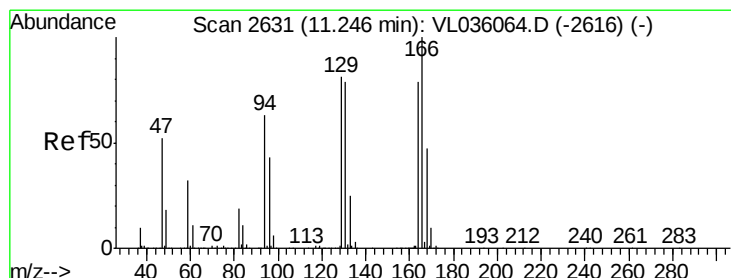
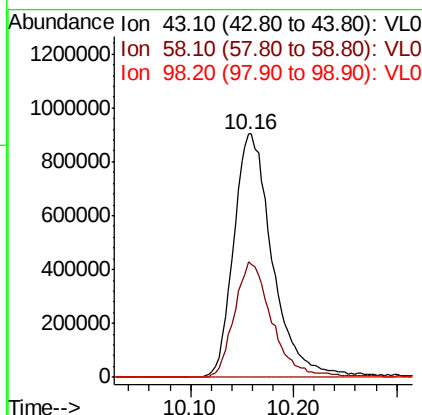
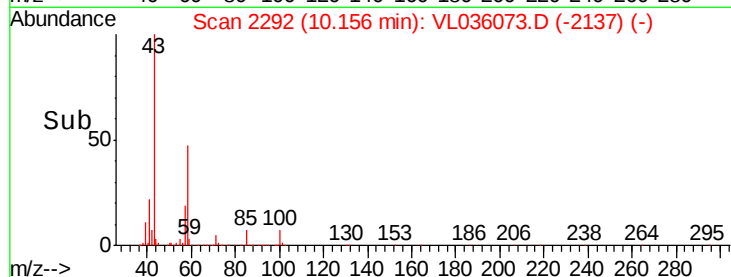
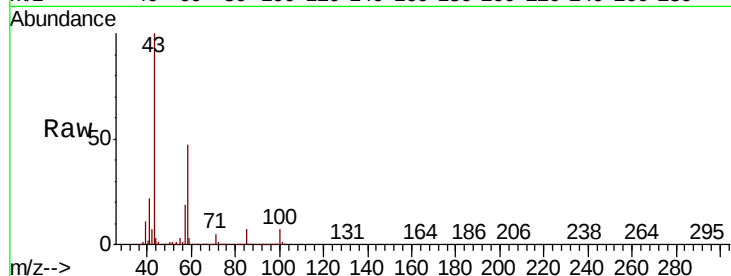




#51
2-Hexanone
Concen: 10.605 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

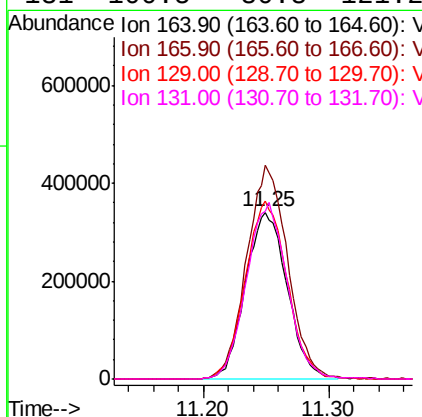
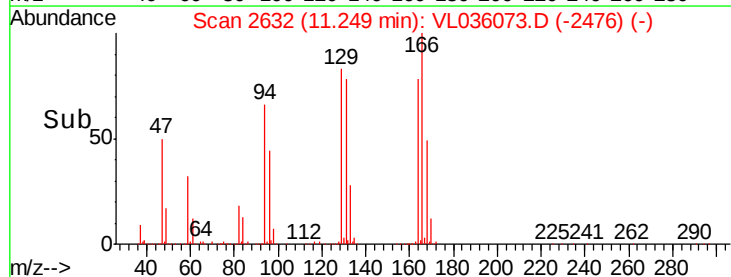
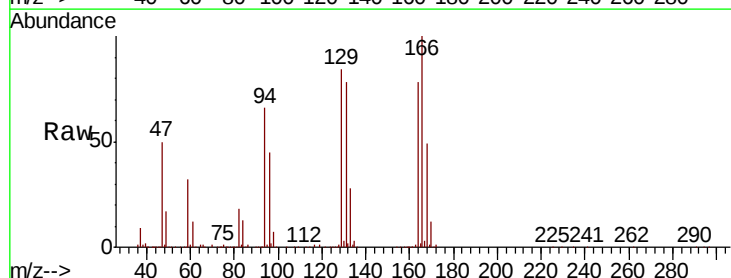
Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

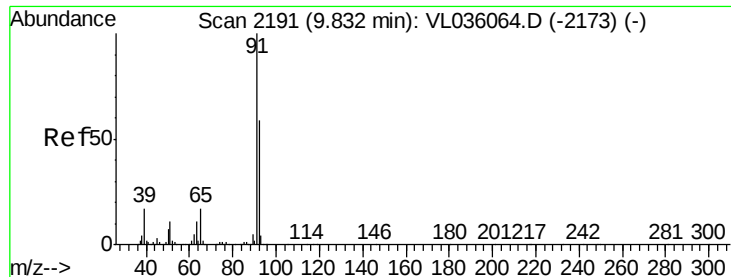
Tot Ion: 43 Resp: 2345874
Ion Ratio Lower Upper
43 100
58 46.8 38.7 58.1
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 8.958 ppbv
RT: 11.25 min Scan# 2632
Delta R.T. 0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Tgt Ion: 164 Resp: 786151
Ion Ratio Lower Upper
164 100
166 128.3 101.9 152.9
129 107.1 82.1 123.1
131 100.5 80.8 121.2





#53

Toluene

Concen: 9.960 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

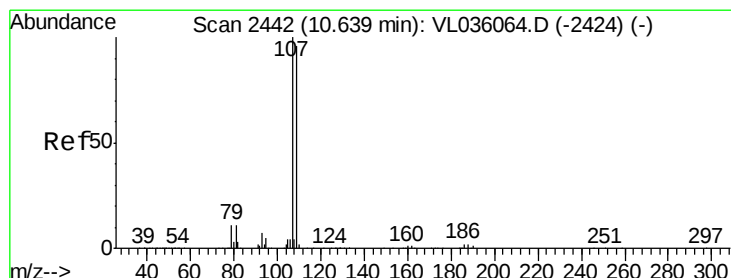
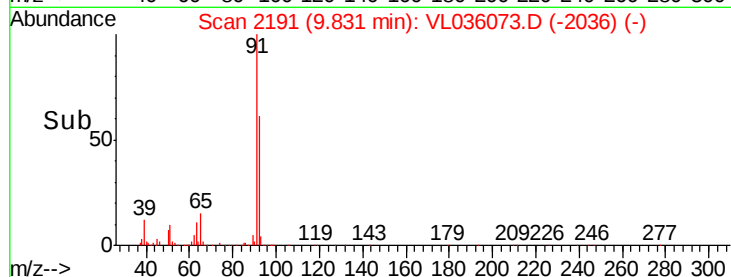
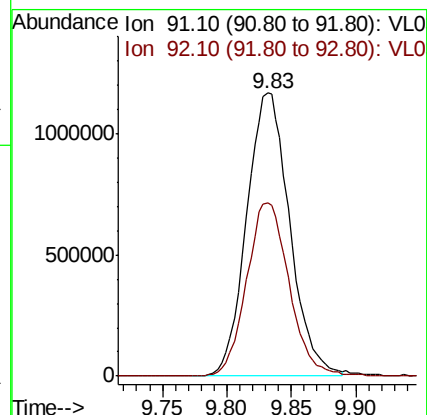
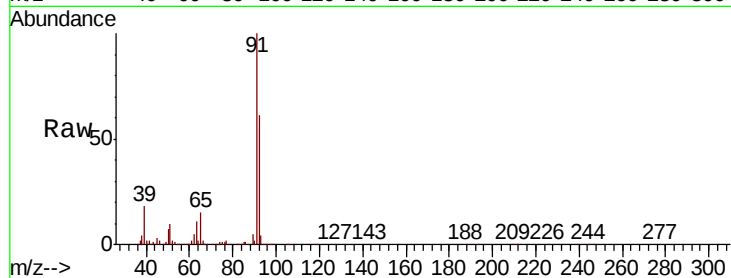
VL1207ABS01

Tot Ion: 91 Resp: 2711418

Ion Ratio Lower Upper

91 100

92 60.9 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.178 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. -0.00 min

Lab File: VL036073.D

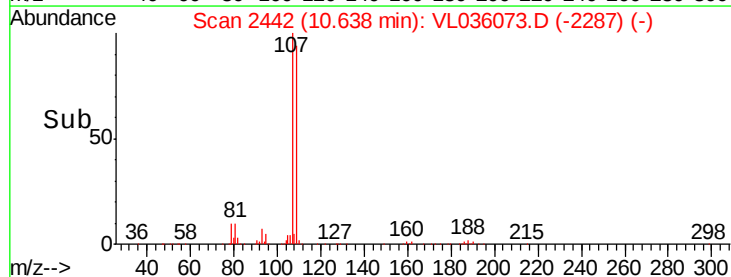
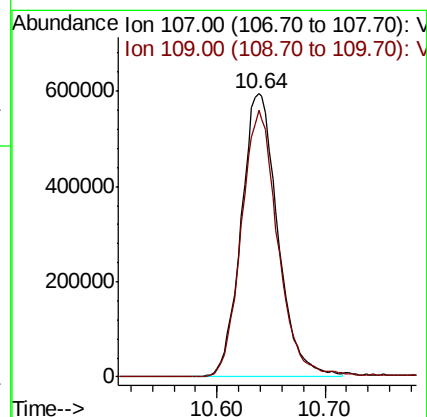
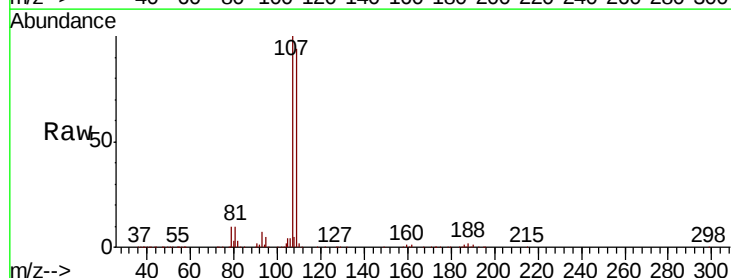
Acq: 7 Dec 2020 19:49

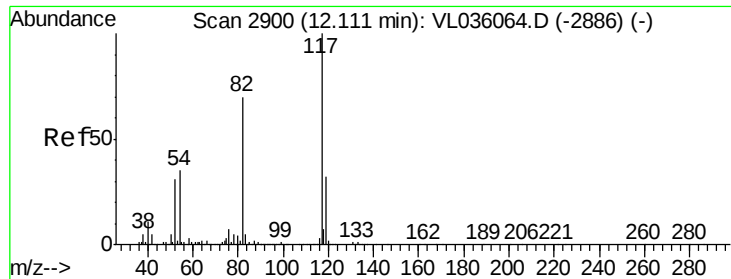
Tgt Ion: 107 Resp: 1405245

Ion Ratio Lower Upper

107 100

109 94.1 76.6 115.0

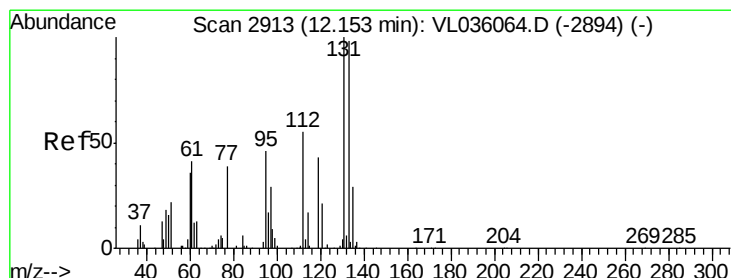
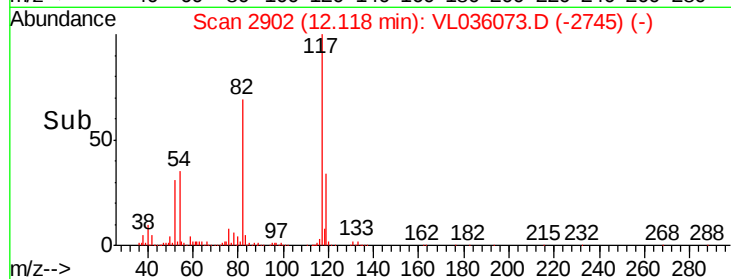
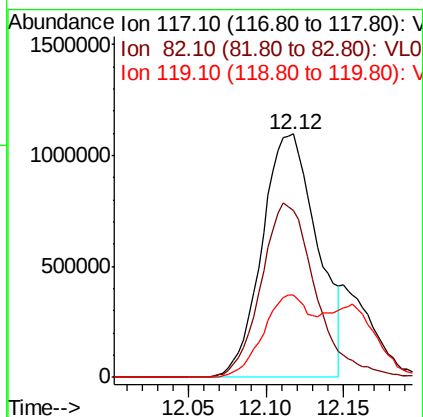
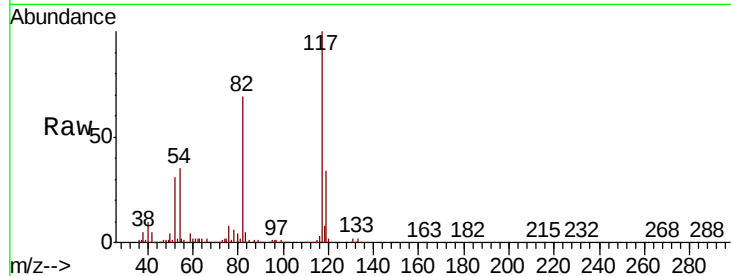




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

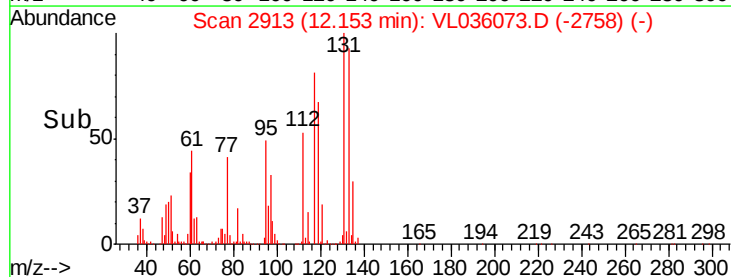
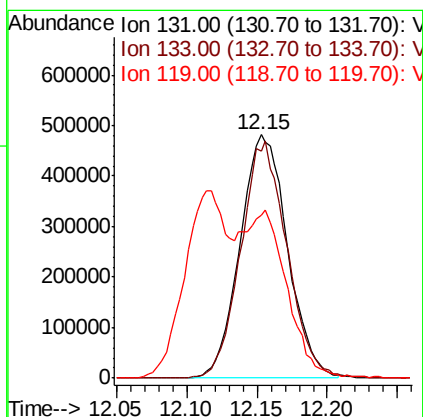
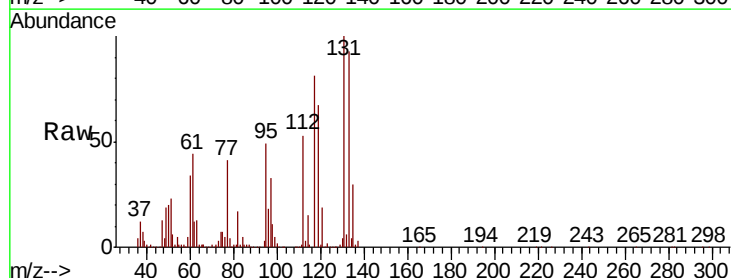
Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

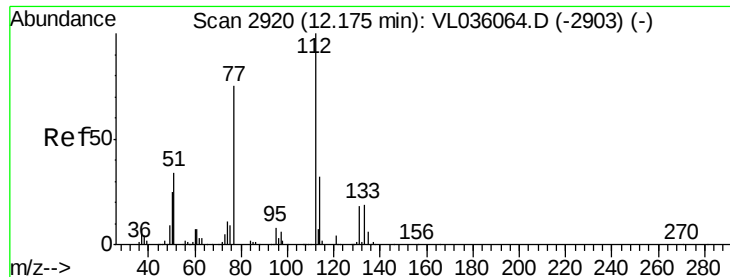
Tot Ion:117 Resp: 2722468
Ion Ratio Lower Upper
117 100
82 71.0 0.0 0.0#
119 33.9 0.0 0.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 9.974 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Tgt Ion:131 Resp: 1125895
Ion Ratio Lower Upper
131 100
133 95.6 77.7 116.5
119 55.8 51.6 77.4

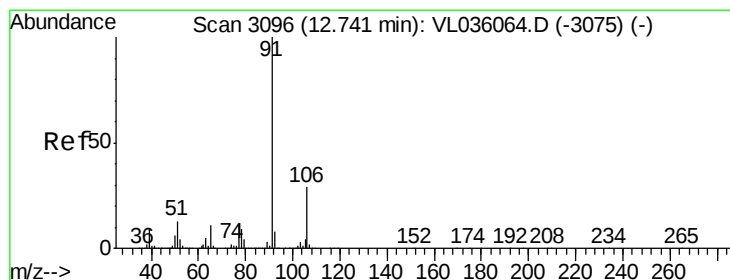
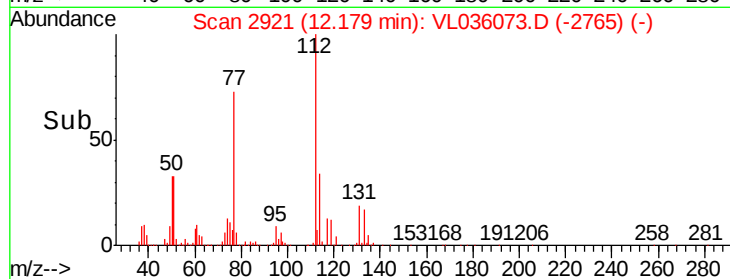
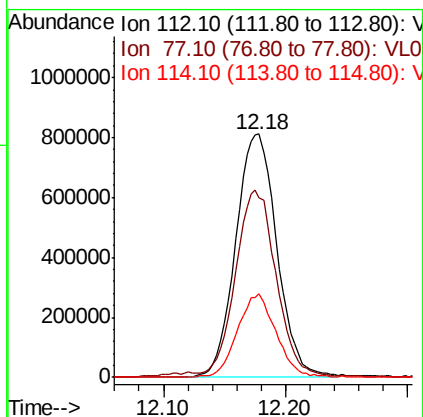
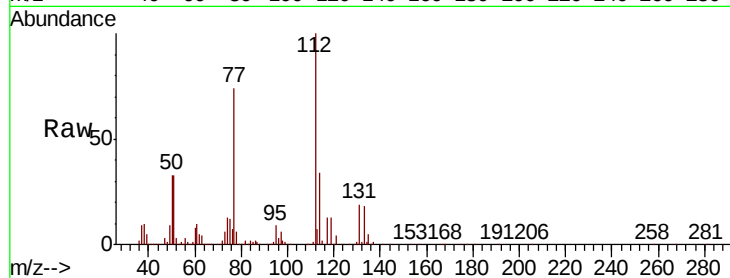




#57
Chlorobenzene
Concen: 9.885 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. 0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

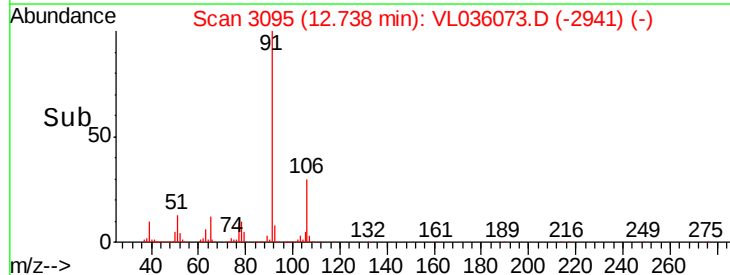
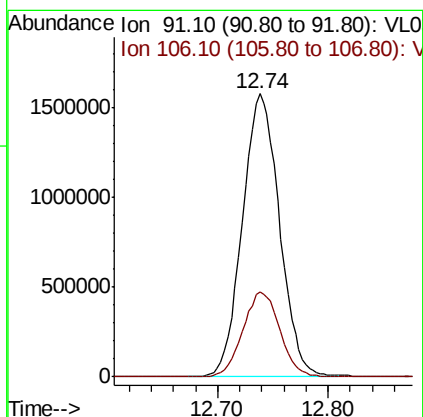
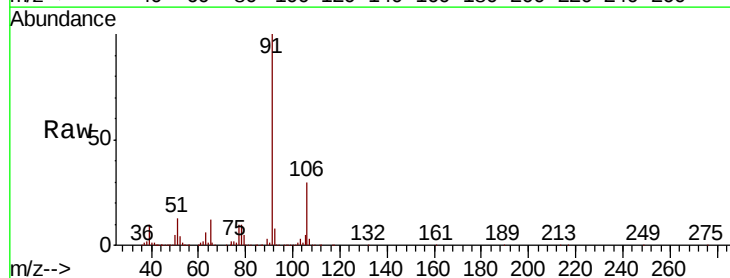
Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

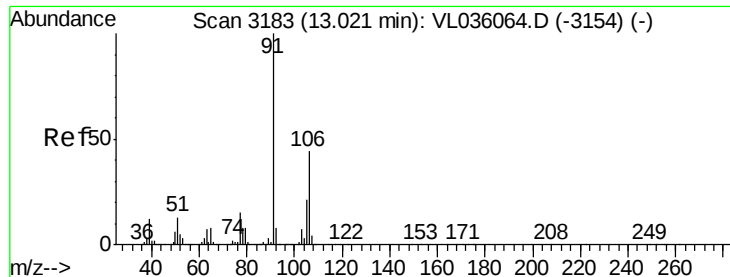
Tot Ion:112 Resp: 1889194
Ion Ratio Lower Upper
112 100
77 72.8 60.5 90.7
114 34.3 29.2 35.6



#58
Ethyl Benzene
Concen: 9.849 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Tgt Ion: 91 Resp: 3674786
Ion Ratio Lower Upper
91 100
106 29.9 23.0 34.4

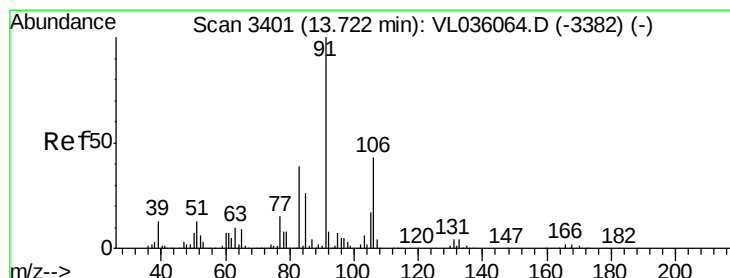
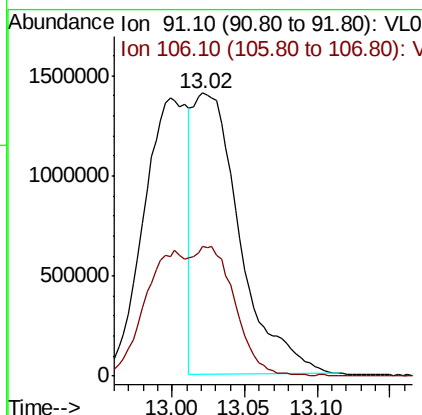
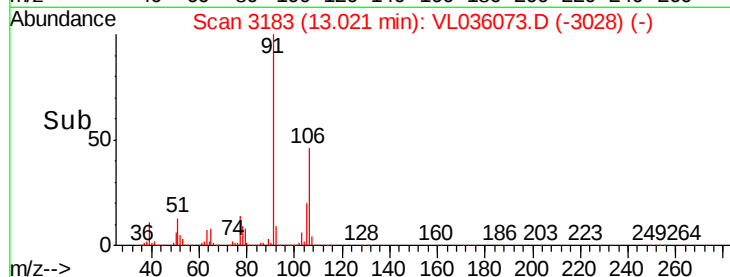
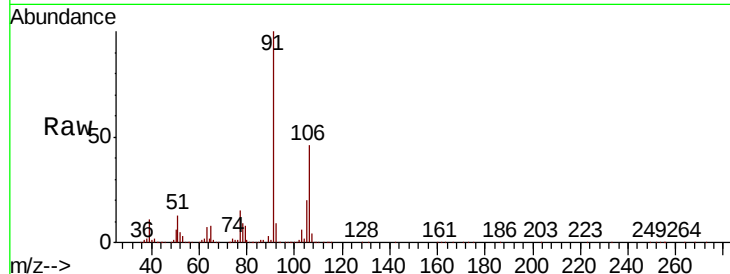




#59
m/p-Xylene
Concen: 10.033 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

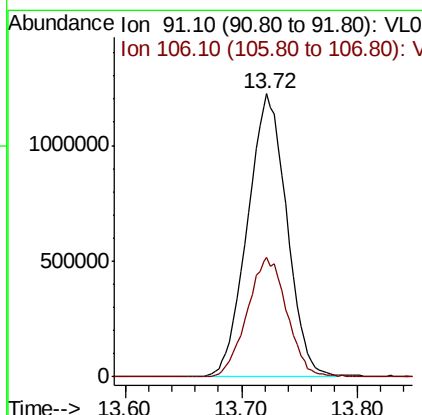
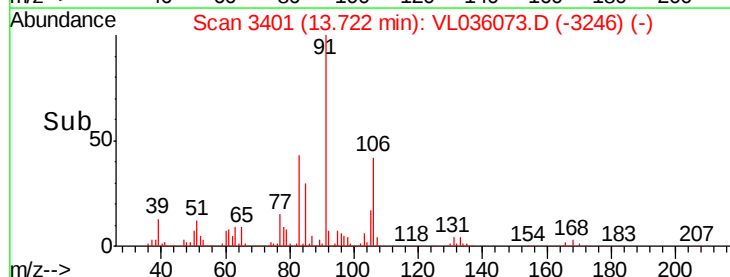
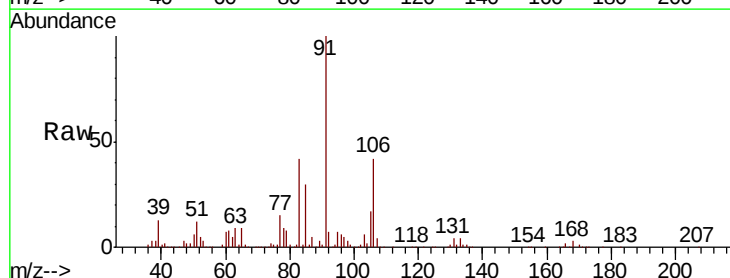
Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

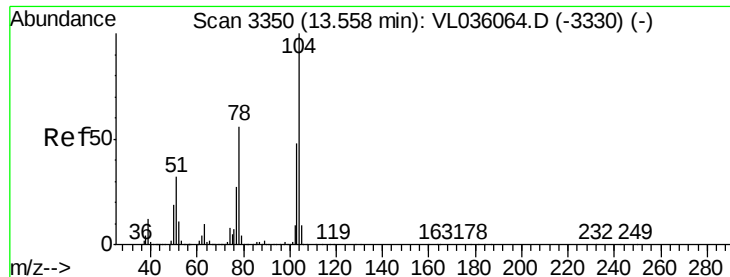
Tot Ion: 91 Resp: 3152872
Ion Ratio Lower Upper
91 100
106 82.0 33.6 50.4#



#60
o-Xylene
Concen: 9.705 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL036073.D
Acq: 7 Dec 2020 19:49

Tgt Ion: 91 Resp: 2873306
Ion Ratio Lower Upper
91 100
106 42.7 21.6 64.6





#61

Stvrene

Concen: 10.889 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

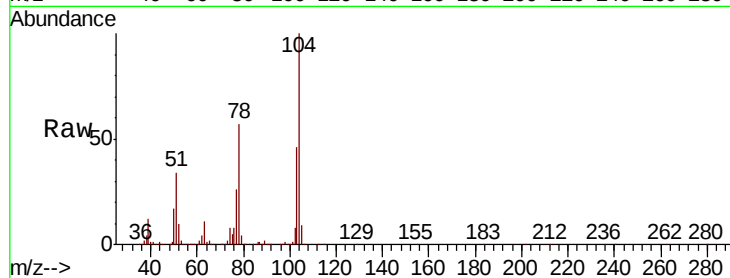
Tot Ion:104 Resp: 2069853

Ion Ratio Lower Upper

104 100

78 58.0 45.8 68.8

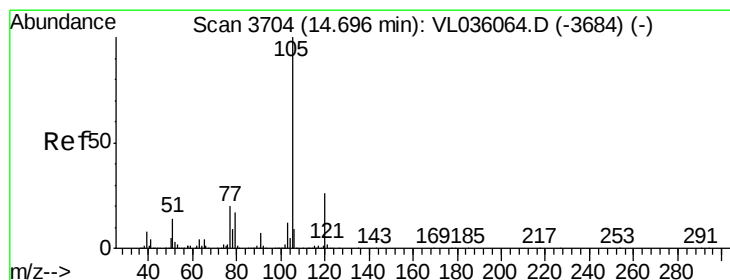
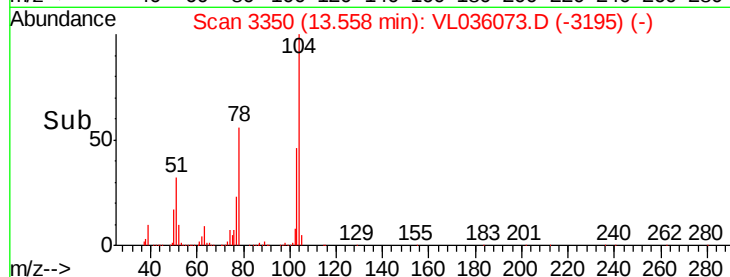
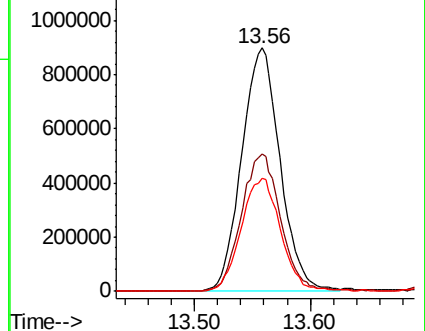
103 48.1 38.6 57.8



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: 9.772 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. -0.00 min

Lab File: VL036073.D

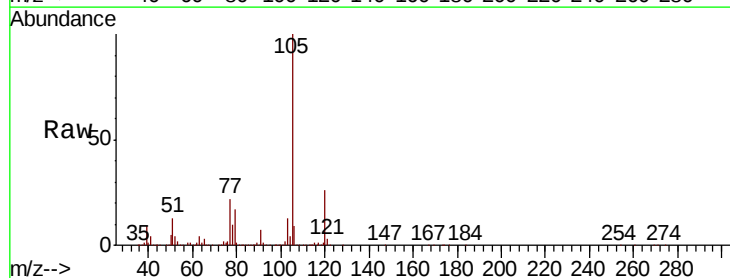
Acq: 7 Dec 2020 19:49

Tgt Ion:105 Resp: 4288814

Ion Ratio Lower Upper

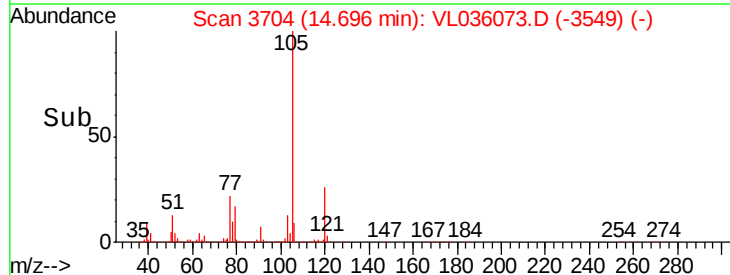
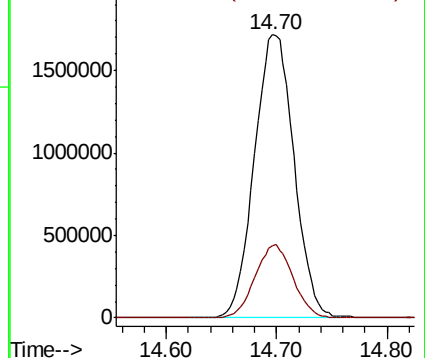
105 100

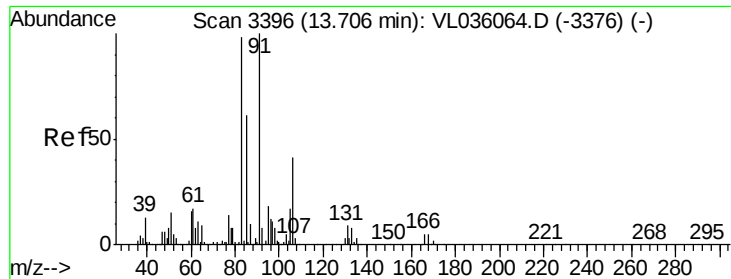
120 24.8 20.1 30.1



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: 9.743 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

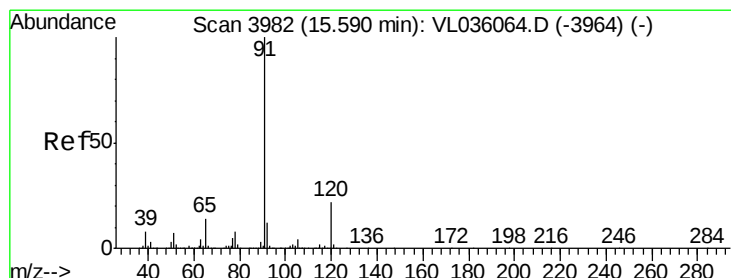
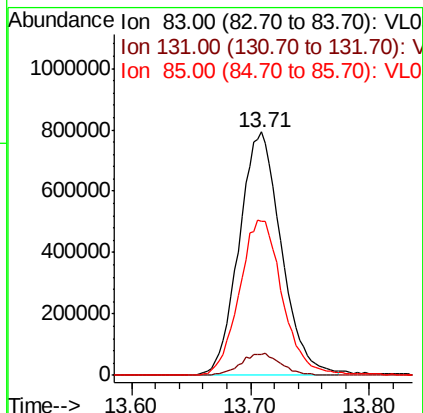
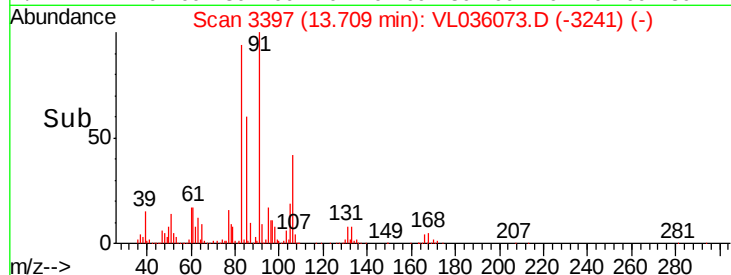
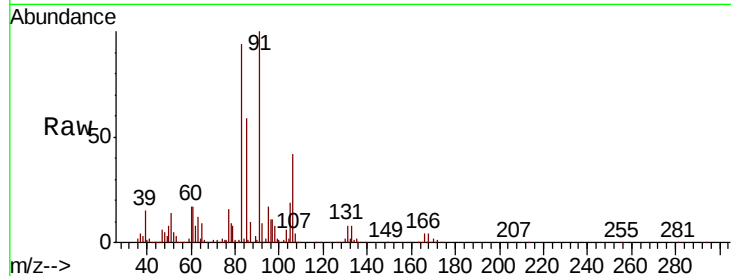
Tot Ion: 83 Resp: 1942657

Ion Ratio Lower Upper

83 100

131 8.8 4.6 13.8

85 65.5 32.5 97.5



#64

n-propylbenzene

Concen: 10.156 ppbv

RT: 15.59 min Scan# 3983

Delta R.T. 0.00 min

Lab File: VL036073.D

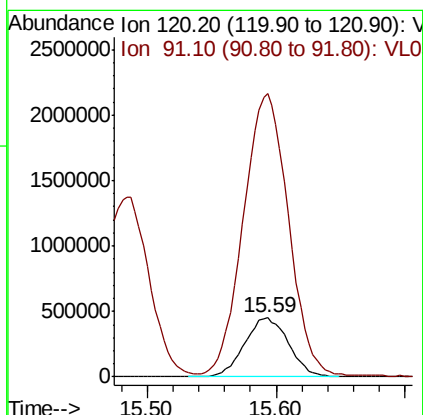
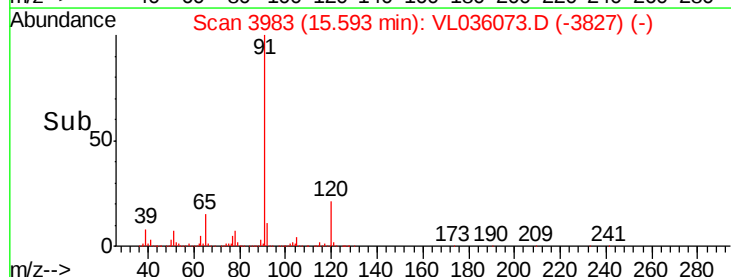
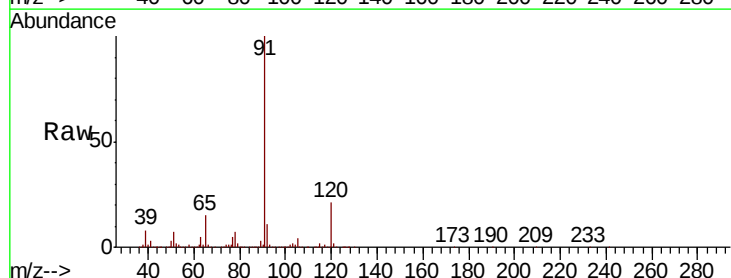
Acq: 7 Dec 2020 19:49

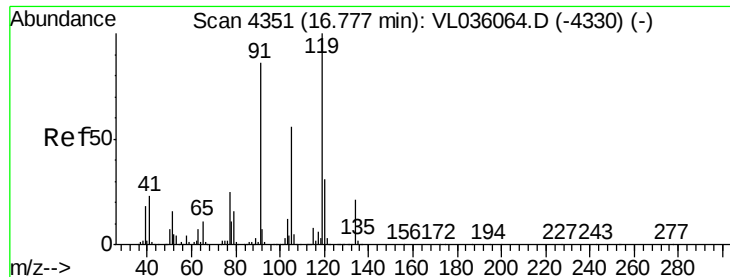
Tgt Ion:120 Resp: 1072269

Ion Ratio Lower Upper

120 100

91 495.2 388.9 583.3





#65

tert-Butylbenzene

Concen: 10.045 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

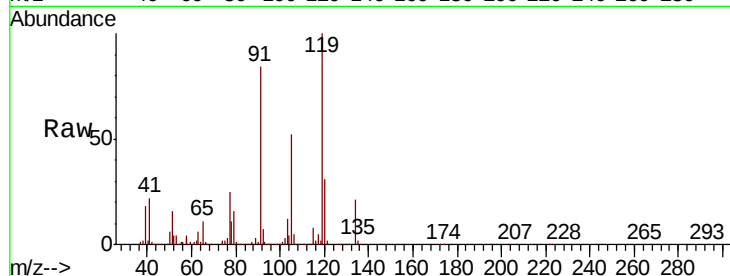
Tot Ion:119 Resp: 3608192

Ion Ratio Lower Upper

119 100

91 88.2 70.2 105.2

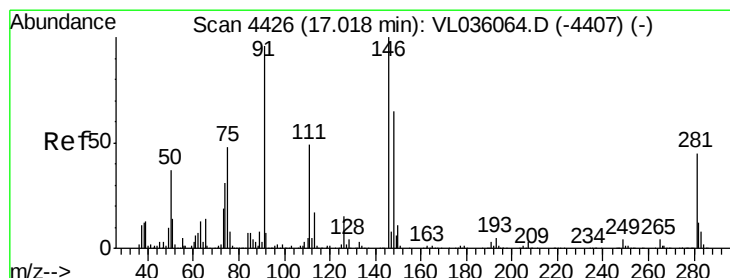
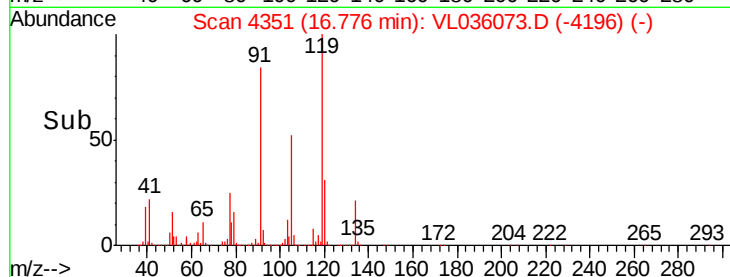
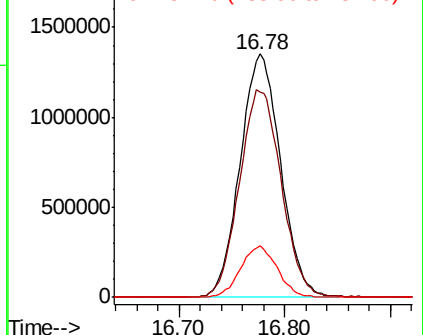
134 19.3 15.8 23.6



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 14.911 ppbv

RT: 17.02 min Scan# 4426

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

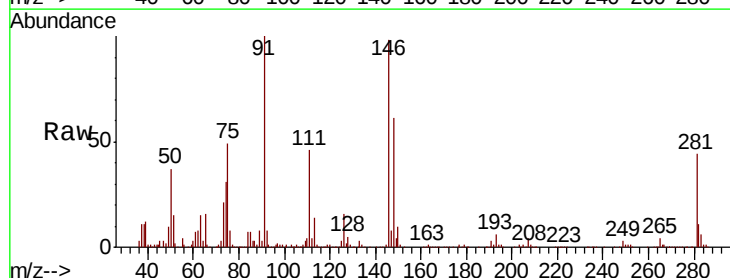
Tgt Ion: 91 Resp: 1333777

Ion Ratio Lower Upper

91 100

126 16.7 13.5 20.3

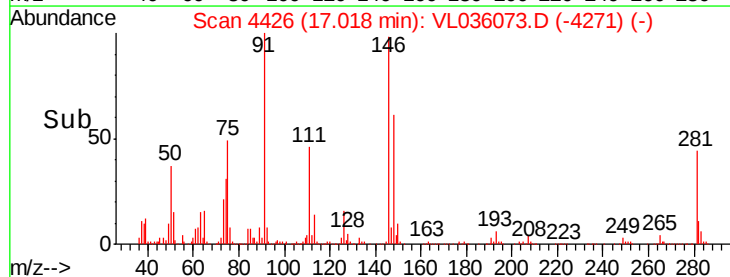
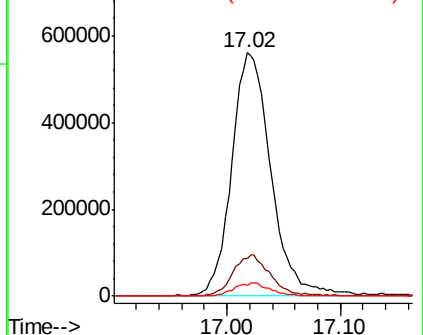
128 5.2 4.4 6.6

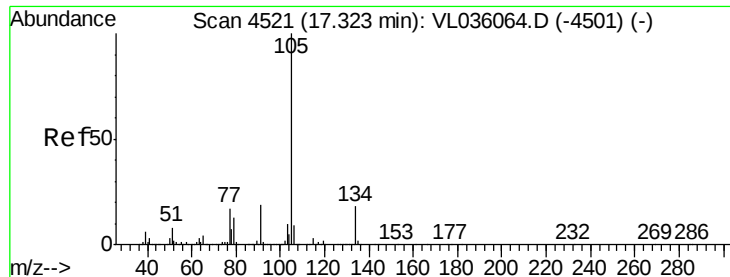


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.229 ppbv

RT: 17.33 min Scan# 4522

Delta R.T. 0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

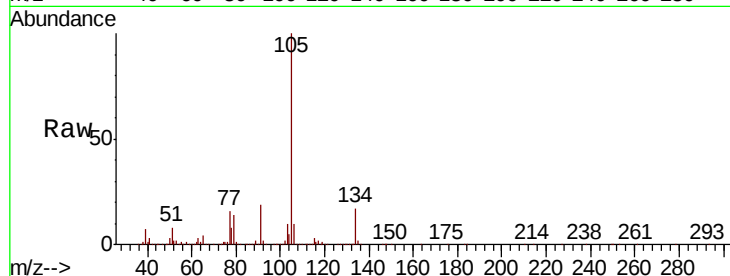
VL1207ABS01

Tot Ion:105 Resp: 5142346

Ion Ratio Lower Upper

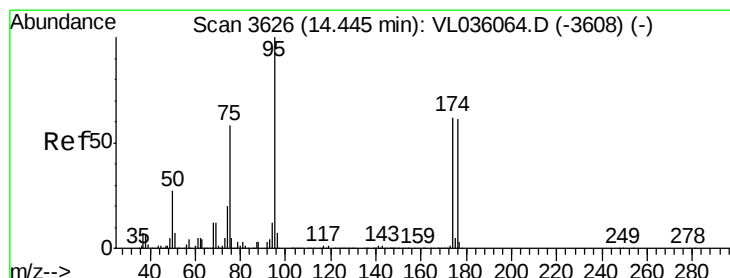
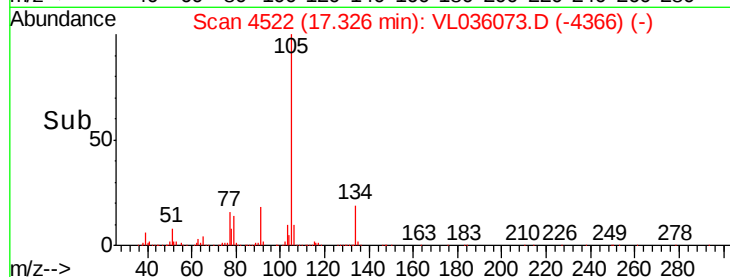
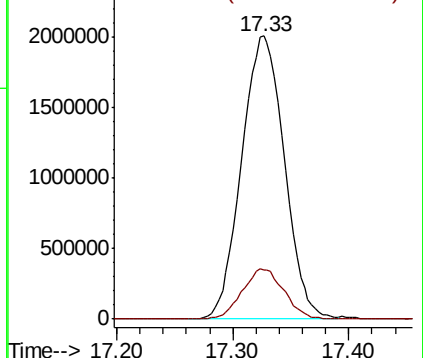
105 100

134 17.3 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.251 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

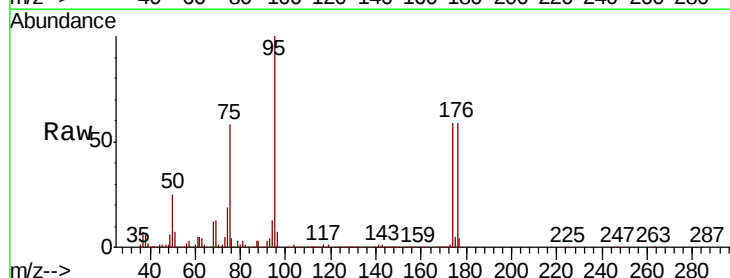
Tgt Ion: 95 Resp: 2216079

Ion Ratio Lower Upper

95 100

174 60.1 50.7 76.1

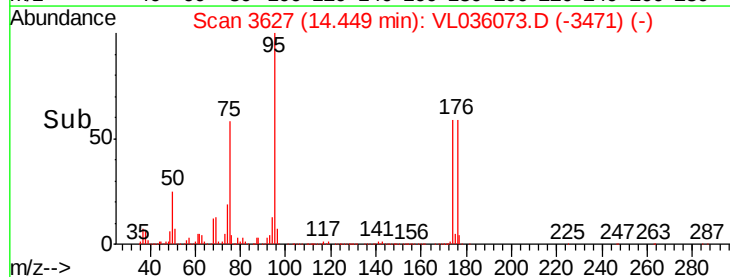
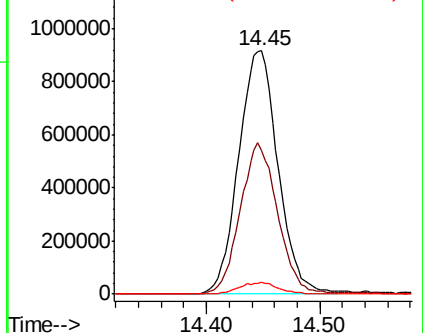
175 4.8 4.0 6.0

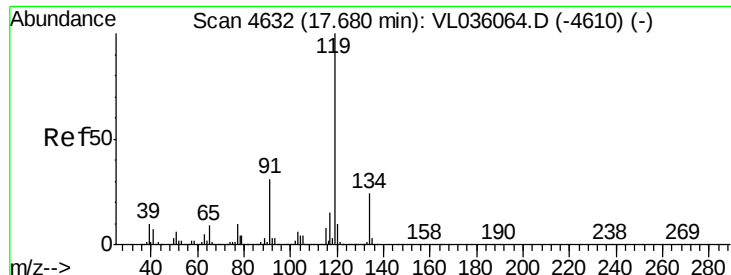


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

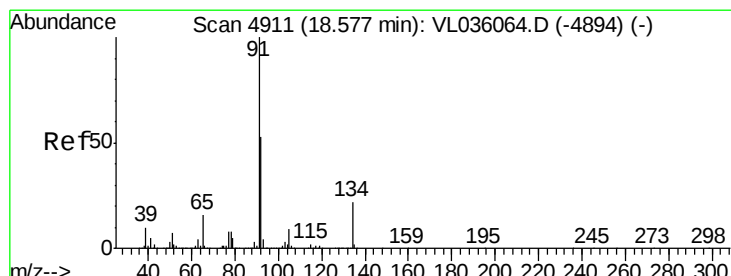
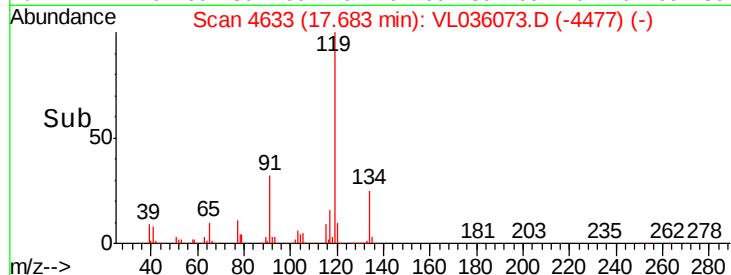
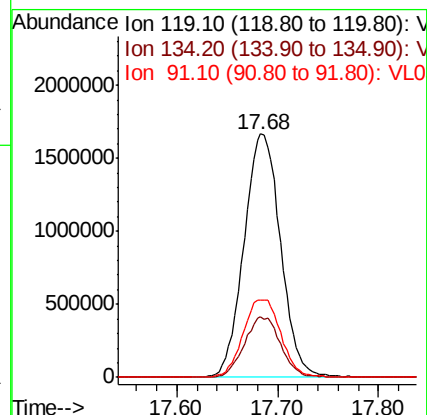
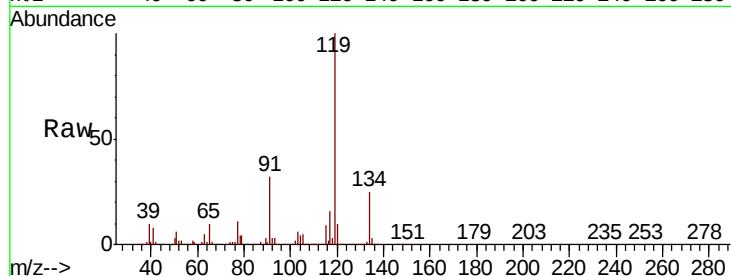




#69
 p-Isopropyltoluene
 Concen: 10.468 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. 0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

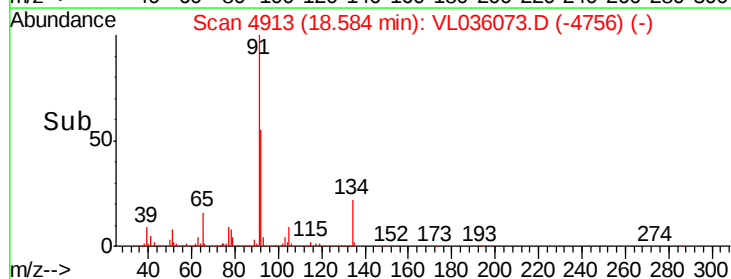
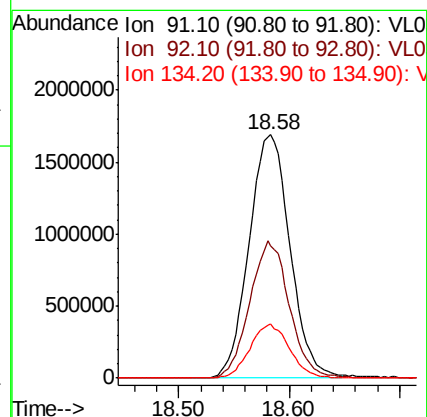
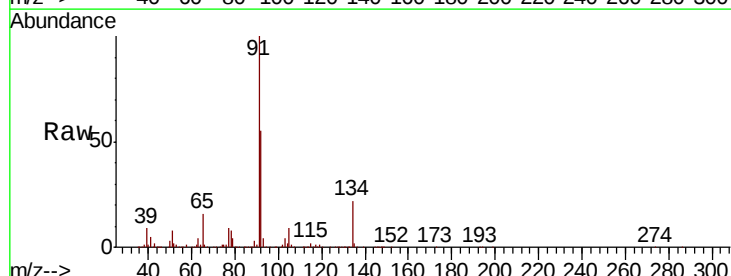
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

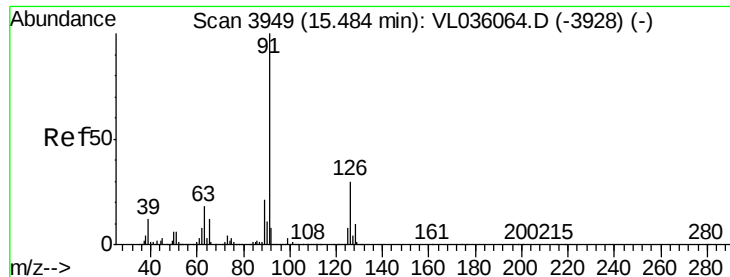
Tot Ion:119 Resp: 4186167
 Ion Ratio Lower Upper
 119 100
 134 24.6 19.8 29.6
 91 32.8 25.8 38.6



#70
 n-Butylbenzene
 Concen: 11.011 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. 0.01 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Tgt Ion: 91 Resp: 4351916
 Ion Ratio Lower Upper
 91 100
 92 54.6 43.3 64.9
 134 21.6 17.1 25.7





#71

2-Chlorotoluene

Concen: 10.233 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

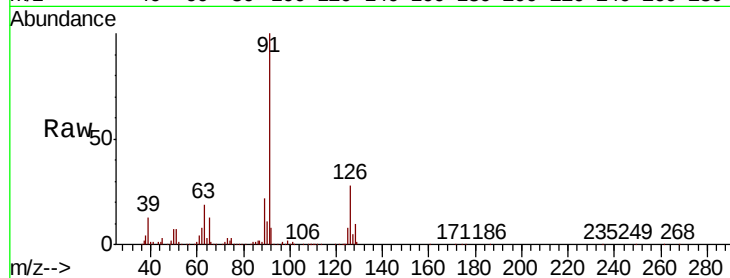
VL1207ABS01

Tot Ion: 91 Resp: 3394693

Ion Ratio Lower Upper

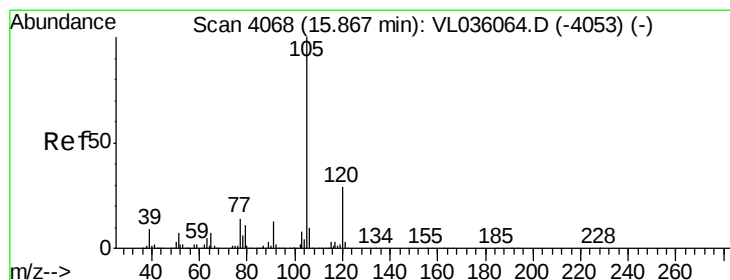
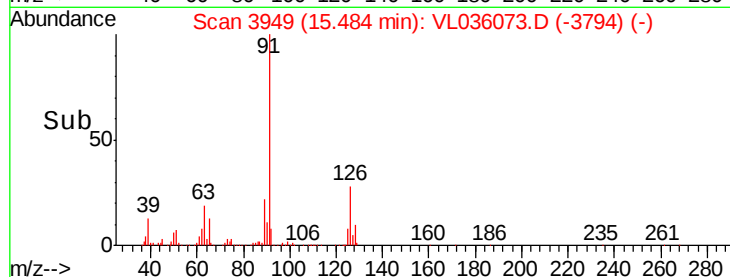
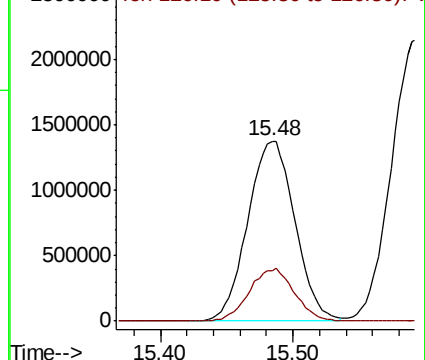
91 100

126 28.1 11.6 46.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.465 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. 0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Tgt Ion:105 Resp: 3356355

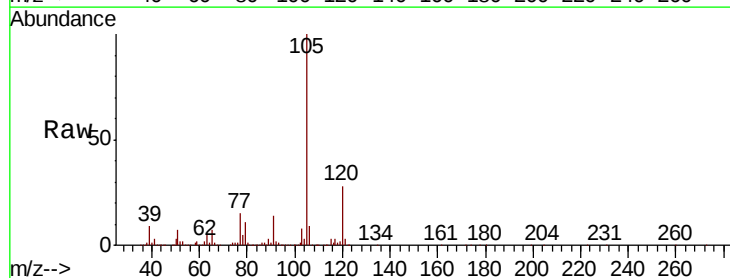
Ion Ratio Lower Upper

105 100

120 28.4 23.6 35.4

91 14.0 11.4 17.0

77 15.2 12.1 18.1

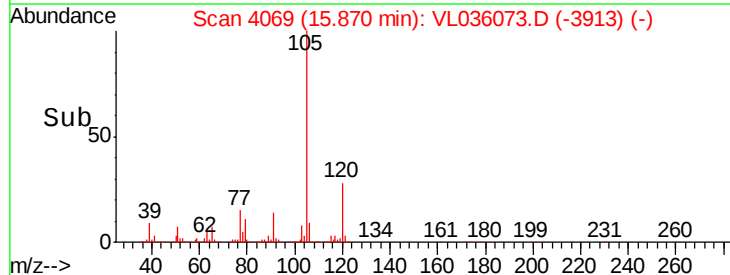
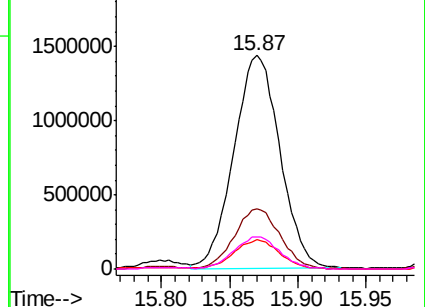


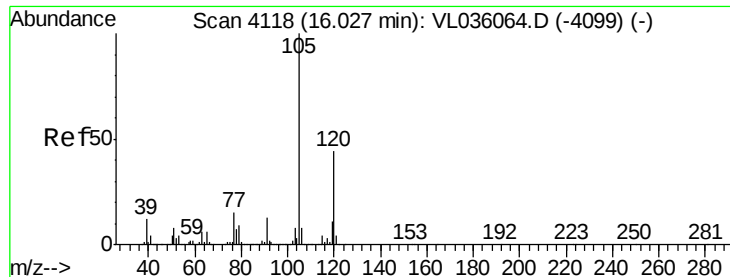
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 10.335 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

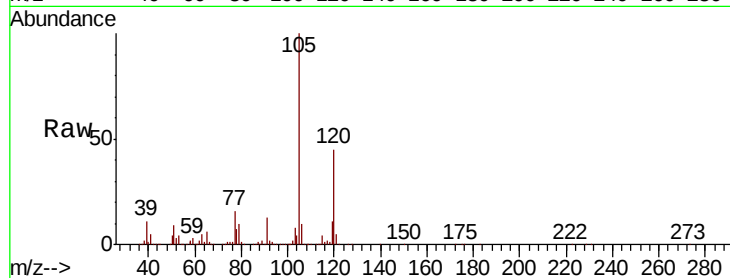
VL1207ABS01

Tot Ion:105 Resp: 3165661

Ion Ratio Lower Upper

105 100

120 45.4 35.4 53.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

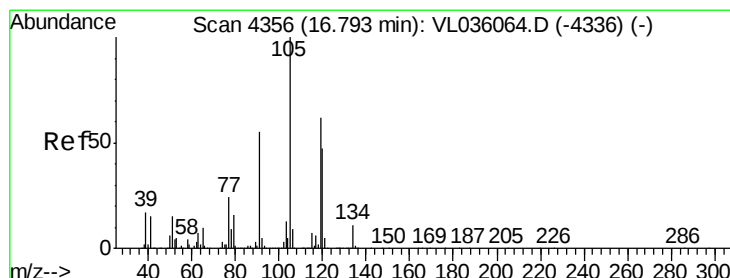
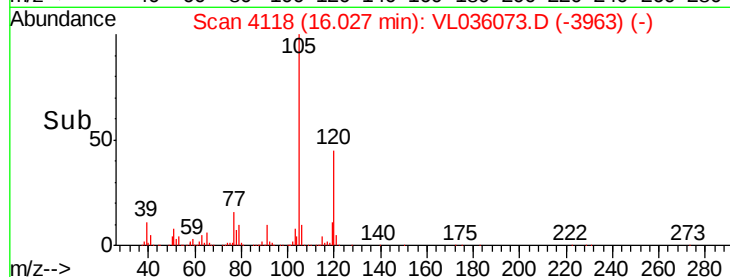
1500000

1000000

500000

0

Time--> 15.90 16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 10.232 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. 0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Tgt Ion:105 Resp: 3145911

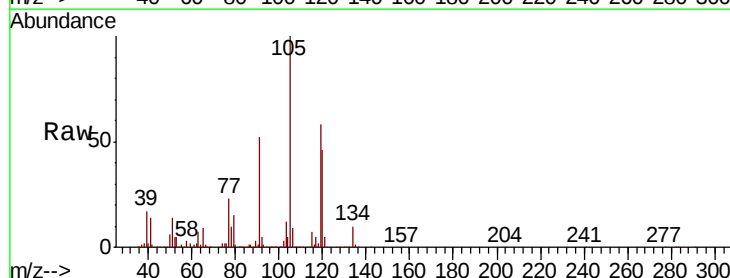
Ion Ratio Lower Upper

105 100

120 46.4 37.4 56.0

91 51.5 45.6 68.4

77 23.3 19.4 29.2



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

2000000

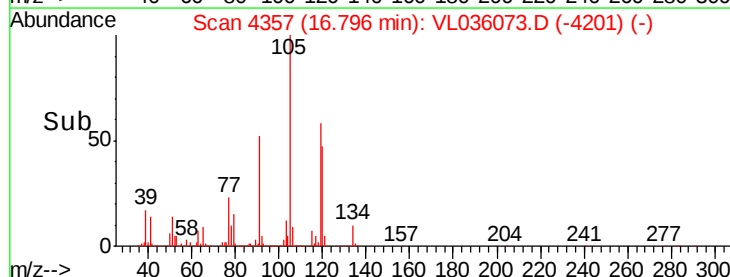
1500000

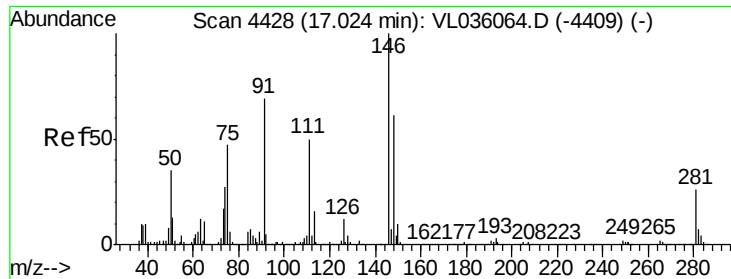
1000000

500000

0

Time--> 16.70 16.80 16.90

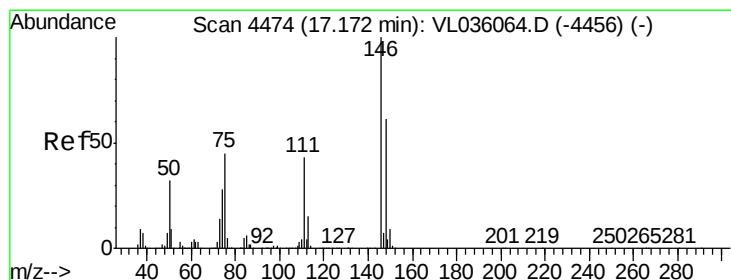
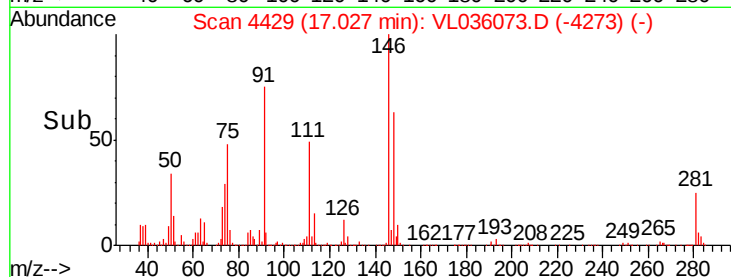
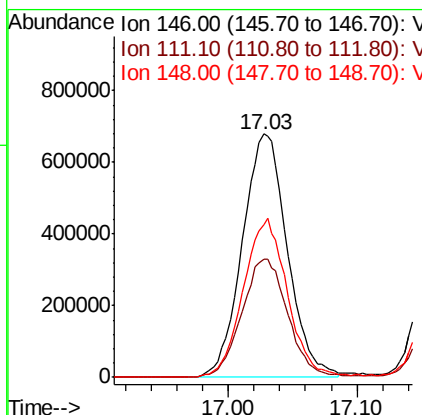
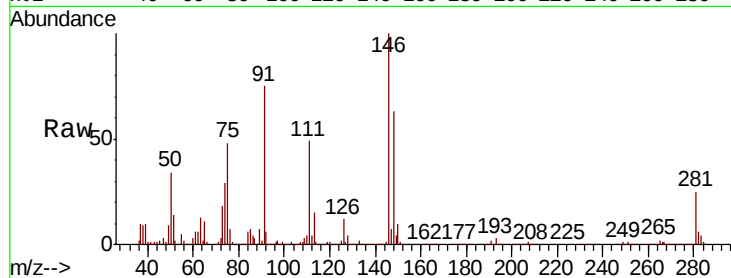




#75
 1,3-Dichlorobenzene
 Concen: 10.700 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. 0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

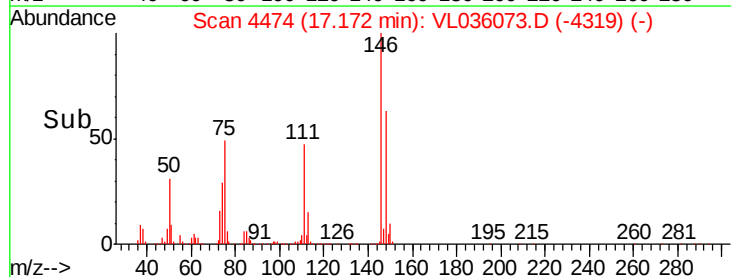
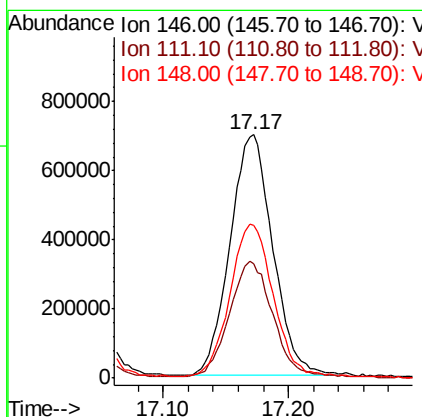
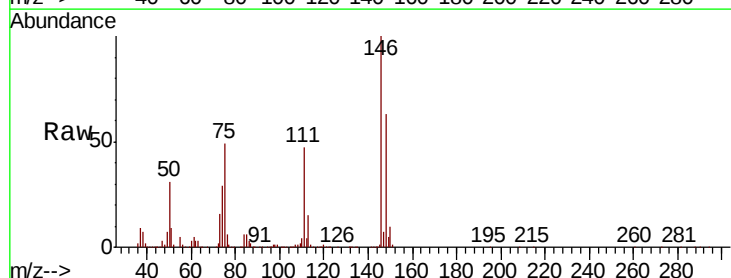
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

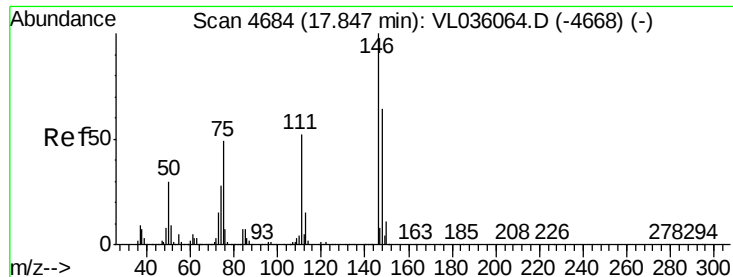
Tot Ion:146 Resp: 1646860
 Ion Ratio Lower Upper
 146 100
 111 49.9 25.1 75.3
 148 64.3 32.9 98.6



#76
 1,4-Dichlorobenzene
 Concen: 10.543 ppbv
 RT: 17.17 min Scan# 4474
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Tgt Ion:146 Resp: 1652044
 Ion Ratio Lower Upper
 146 100
 111 50.2 24.3 72.8
 148 66.5 32.8 98.3

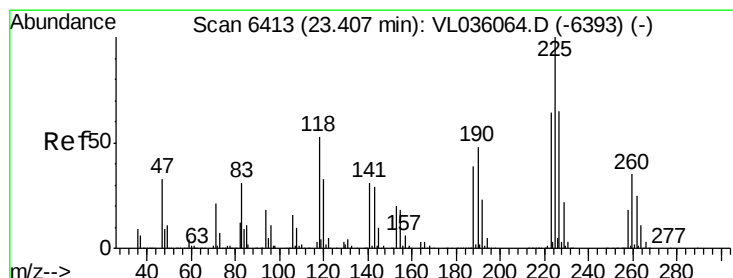
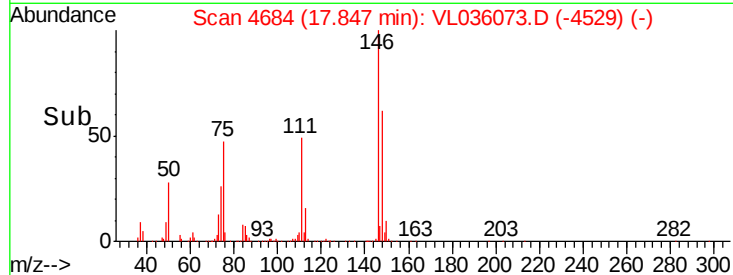
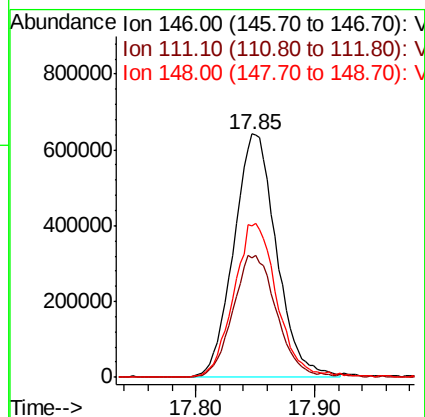
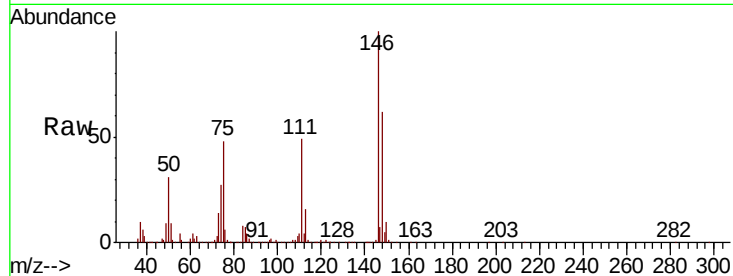




#77
 1,2-Dichlorobenzene
 Concen: 10.768 ppbv
 RT: 17.85 min Scan# 4684
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

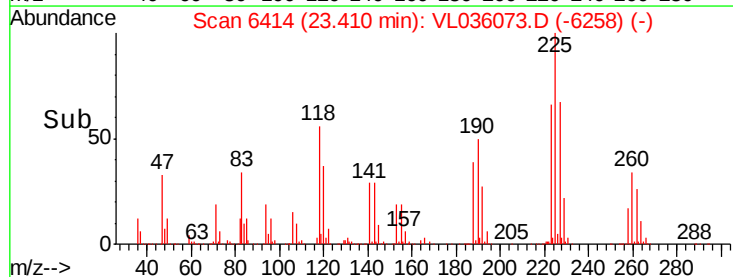
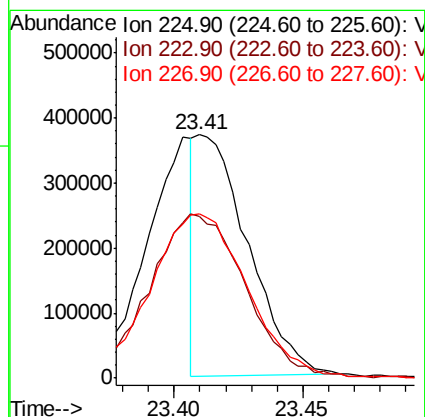
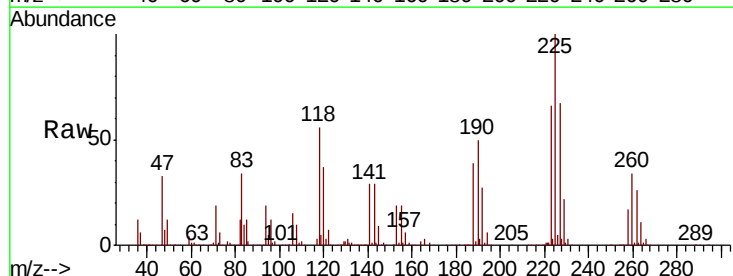
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

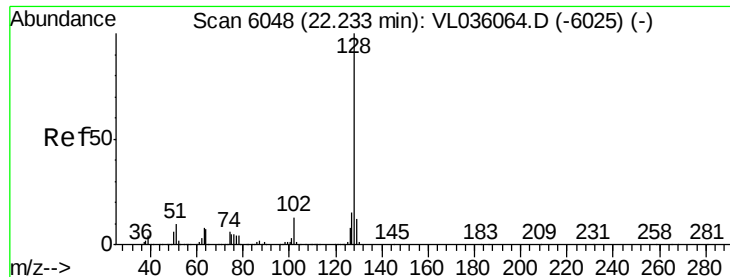
Tot Ion:146 Resp: 1582449
 Ion Ratio Lower Upper
 146 100
 111 52.6 26.1 78.2
 148 64.7 33.1 99.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 4.375 ppbv
 RT: 23.41 min Scan# 6414
 Delta R.T. 0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Tgt Ion:225 Resp: 515327
 Ion Ratio Lower Upper
 225 100
 223 128.1 51.1 76.7#
 227 129.2 51.7 77.5#





#79

Naphthalene

Concen: 6.073 ppbv

RT: 22.24 min Scan# 6050

Delta R.T. 0.01 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

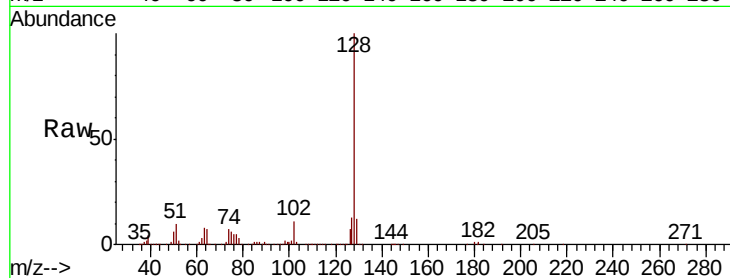
Tot Ion:128 Resp: 949128

Ion Ratio Lower Upper

128 100

127 13.3 11.7 17.5

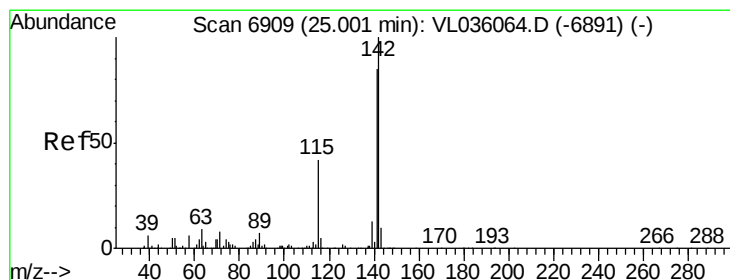
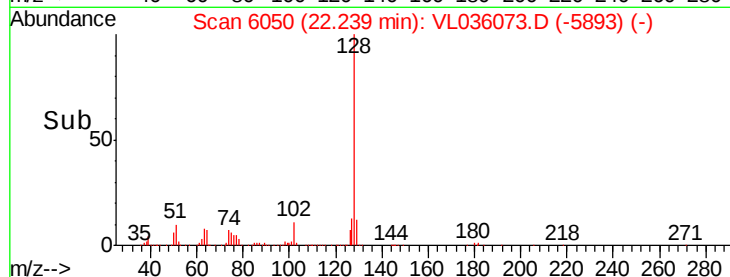
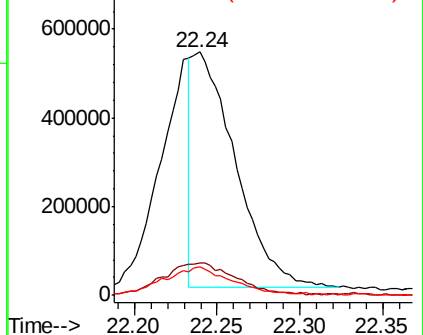
129 11.4 9.3 13.9



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: 20.798 ppbv

RT: 25.00 min Scan# 6910

Delta R.T. 0.00 min

Lab File: VL036073.D

Acq: 7 Dec 2020 19:49

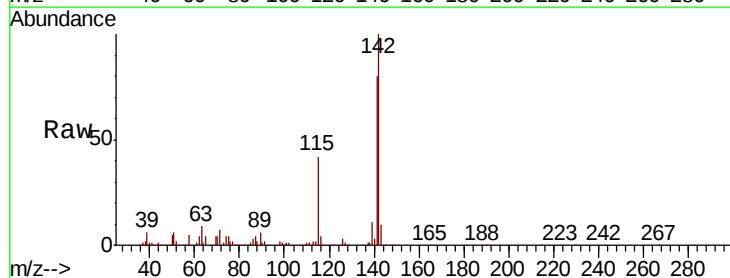
Tgt Ion:142 Resp: 726876

Ion Ratio Lower Upper

142 100

141 82.5 64.3 96.5

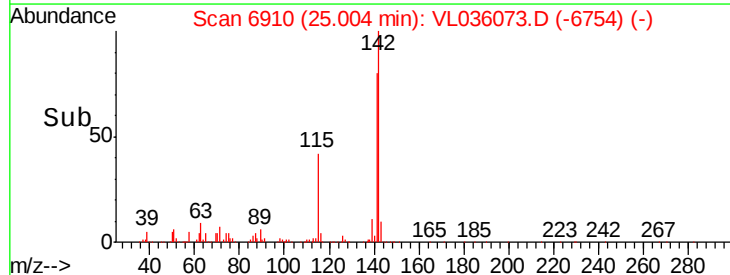
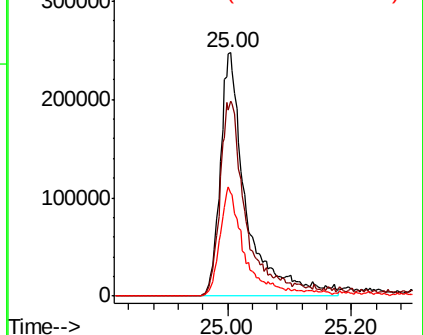
115 43.9 33.9 50.9

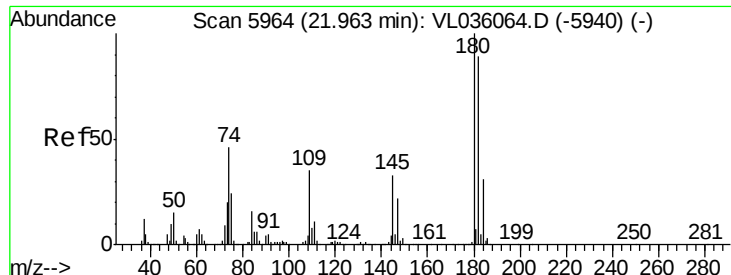


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.622 ppbv
 RT: 21.96 min Scan# 5964
 Delta R.T. -0.00 min
 Lab File: VL036073.D
 Acq: 7 Dec 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tot Ion:180 Resp: 1004788
 Ion Ratio Lower Upper
 180 100
 182 101.1 0.0 0.0#
 184 31.8 0.0 0.0#

