

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036099.D
 Acq On : 8 Dec 2020 17:13
 Operator : SY/AP
 Sample : VL1208ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABS01

Quant Time: Dec 09 07:18:42 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	1178970	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2659574	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3095011	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2109133	8.58	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1389968	10.117	ppbv	98
3) Chlorodifluoromethane	2.99	51	1480684	11.008	ppbv	99
4) Chloromethane	3.14	50	751723	11.383	ppbv	99
5) Vinyl Chloride	3.26	62	704907	9.594	ppbv	98
6) Bromomethane	3.48	94	361418	9.534	ppbv	90
7) Chloroethane	3.56	64	241693	9.657	ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	1632535	10.691	ppbv	92
9) Propene	3.01	41	703936	10.447	ppbv	96
10) Heptane	8.14	43	1762690	10.242	ppbv	99
11) Trichlorofluoromethane	3.96	101	1712479	10.601	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1062779	9.688	ppbv	98
13) Ethanol	3.62	45	98837	10.640	ppbv	94
14) Bromoethene	3.74	108	467087	10.378	ppbv	97
15) Acetone	3.86	43	1498211	10.574	ppbv	97
16) 1,3-Butadiene	3.33	39	743270	10.415	ppbv	99
17) tert-Butyl alcohol	4.30	59	1095637	7.983	ppbv	99
18) 1,1-Dichloroethene	4.30	96	478828	9.830	ppbv	93
19) Isopropyl Alcohol	3.98	45	776034	8.961	ppbv #	100
20) Methylene Chloride	4.35	84	417364	7.188	ppbv	97
21) Allyl Chloride	4.42	41	898144	9.533	ppbv	96
22) trans-1,2-Dichloroethene	4.90	96	486251	9.971	ppbv	95
23) Vinyl Acetate	5.09	43	1885260	9.994	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1336749	10.075	ppbv	98
25) Ethyl Acetate	5.69	43	2967449	10.483	ppbv	99
26) Hexane	5.70	57	1209103	9.491	ppbv	99
27) Carbon Disulfide	4.56	76	1226078	9.683	ppbv	97
28) Methyl tert-Butyl Ether	5.04	73	1705409	9.416	ppbv	100
29) Chloroform	5.77	83	1779966	10.639	ppbv	99
30) Cyclohexane	7.15	84	971036	10.376	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1231319	10.632	ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	1758009	10.184	ppbv	98
34) 2-Butanone	5.26	43	1838956	10.424	ppbv	100
35) Carbon Tetrachloride	7.03	117	1697447	10.945	ppbv	98
36) Benzene	6.91	78	2444599	10.846	ppbv	97
37) 1,2-Dichloroethane	6.32	62	1527380	11.695	ppbv	98
38) Trichloroethene	7.85	130	742557	8.813	ppbv	91
39) 1,2-Dichloropropane	7.63	63	993814	11.165	ppbv	99
40) 1,4-Dioxane	7.85	88	306012	10.930	ppbv #	29
41) Tetrahydrofuran	6.06	42	1130550	10.787	ppbv	100
42) Bromodichloromethane	7.81	83	2016679	11.588	ppbv	98
43) Methyl Methacrylate	8.03	69	1095541	11.330	ppbv	99

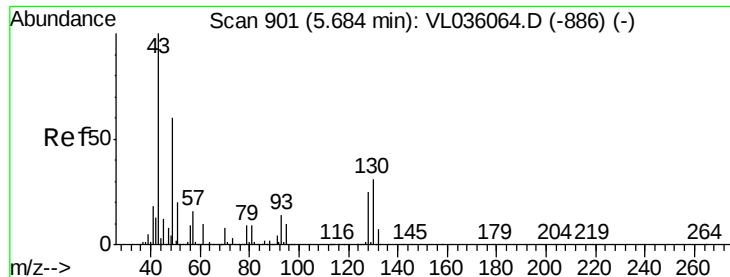
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4355567	10.670	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1152366	11.600	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1411054	11.333	ppbv	95
47) 1,1,2-Trichloroethane	9.49	97	922436	10.772	ppbv	96
48) Dibromochloromethane	10.33	129	1440505	11.139	ppbv	99
49) Bromoform	13.07	173	1178092	11.575	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2941128	11.179	ppbv	100
51) 2-Hexanone	10.15	43	2409094	11.714	ppbv	99
52) Tetrachloroethene	11.24	164	746314	9.147	ppbv	96
53) Toluene	9.82	91	2738277	10.819	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1391175	10.838	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.15	131	1082715	8.437	ppbv	96
57) Chlorobenzene	12.17	112	1838519	8.462	ppbv	96
58) Ethyl Benzene	12.73	91	3774176	8.898	ppbv	99
59) m/p-Xylene	13.02	91	3209925	8.985	ppbv #	40
60) o-Xylene	13.72	91	2932890	8.714	ppbv	97
61) Styrene	13.55	104	2032093	9.404	ppbv	97
62) Isopropylbenzene	14.69	105	4251906	8.522	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	2011581	8.874	ppbv	100
64) n-propylbenzene	15.58	120	1044071	8.698	ppbv	89
65) tert-Butylbenzene	16.77	119	3499441	8.569	ppbv	94
66) Benzyl Chloride	17.01	91	1095874	10.777	ppbv	97
67) sec-Butylbenzene	17.32	105	5100984	8.925	ppbv	99
69) p-Isopropyltoluene	17.68	119	4025247	8.854	ppbv	97
70) n-Butylbenzene	18.58	91	4456083	9.917	ppbv	99
71) 2-Chlorotoluene	15.48	91	3492694	9.261	ppbv	96
72) 4-Ethyltoluene	15.86	105	3333395	9.143	ppbv	97
73) 1,3,5-Trimethylbenzene	16.02	105	3121178	8.963	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	3117056	8.917	ppbv	95
75) 1,3-Dichlorobenzene	17.02	146	1579718	9.028	ppbv	98
76) 1,4-Dichlorobenzene	17.16	146	1546118	8.679	ppbv	96
77) 1,2-Dichlorobenzene	17.84	146	1512834	9.055	ppbv	98
78) Hexachloro-1,3-Butadiene	23.40	225	904229	6.753	ppbv	100
79) Naphthalene	22.23	128	851967	4.795	ppbv	97
80) Naphthalene, 2-methyl-	25.00	142	597008	15.026	ppbv	95
81) 1,2,4-Trichlorobenzene	21.96	180	902584	7.603	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

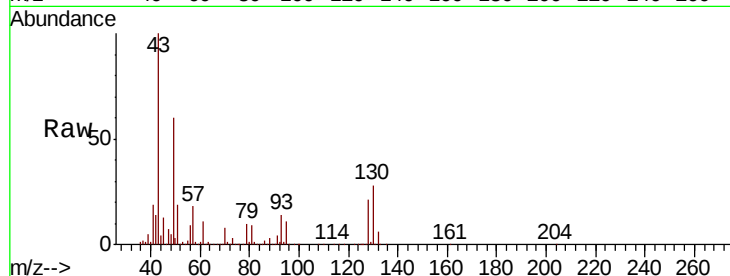
MSVOA_L

ClientSampleId :

VL1208ABS01

Tot Ion: 49 Resp: 1178970

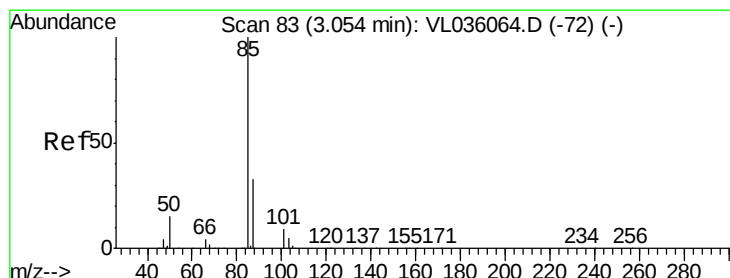
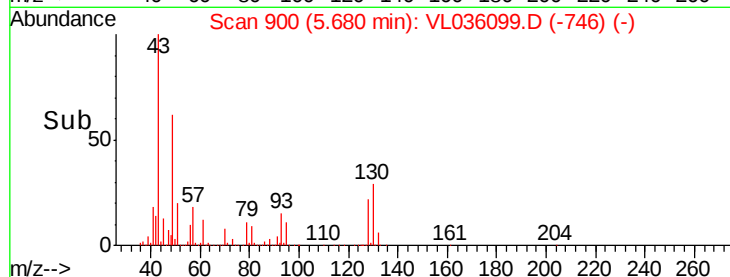
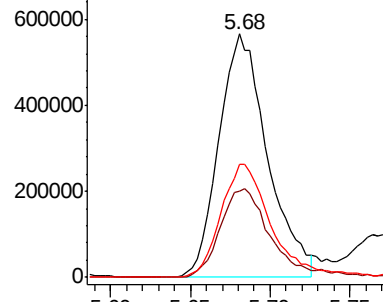
Ion	Ratio	Lower	Upper
49	100		
128	38.8	21.1	63.1
130	49.5	27.1	81.3



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: 10.117 ppbv

RT: 3.05 min Scan# 83

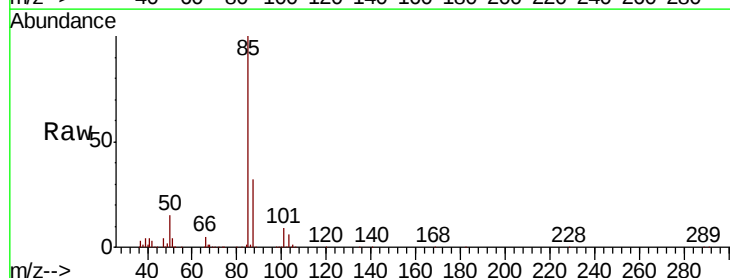
Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

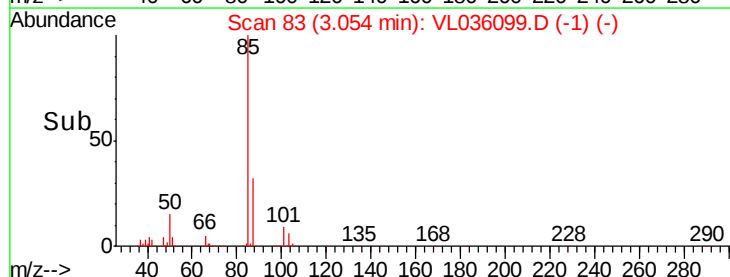
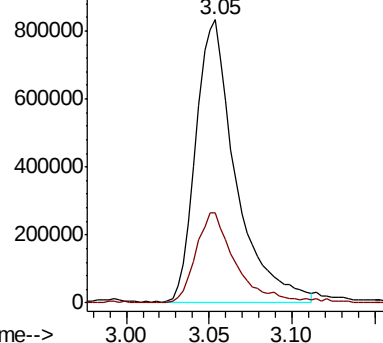
Tgt Ion: 85 Resp: 1389968

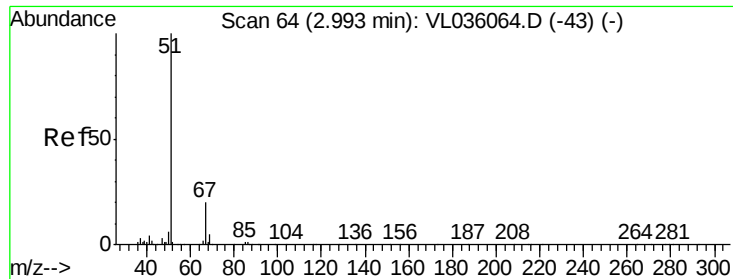
Ion	Ratio	Lower	Upper
85	100		
87	31.9	26.5	39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 11.008 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

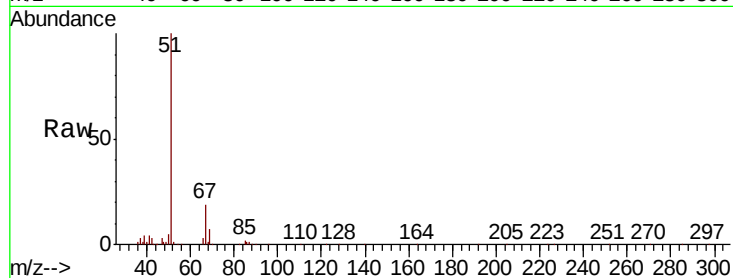
VL1208ABS01

Tot Ion: 51 Resp: 1480684

Ion Ratio Lower Upper

51 100

67 18.1 14.3 21.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

800000

600000

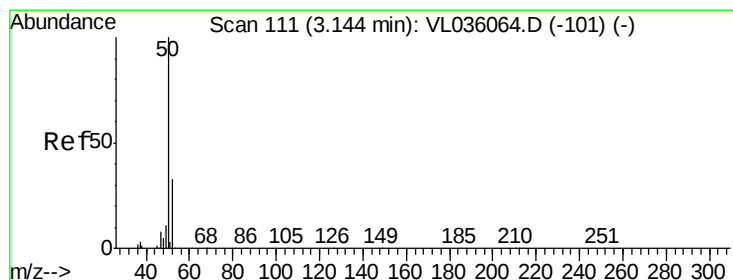
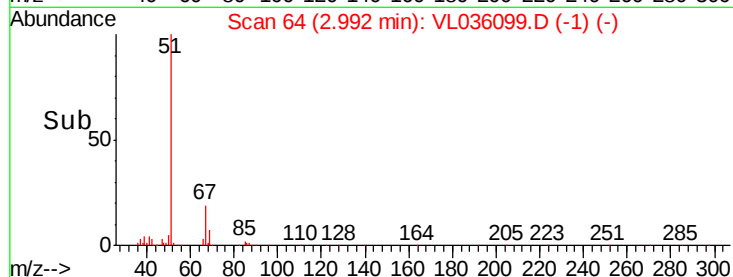
400000

200000

0

Time-->

2.90 3.00 3.10



#4

Chloromethane

Concen: 11.383 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL036099.D

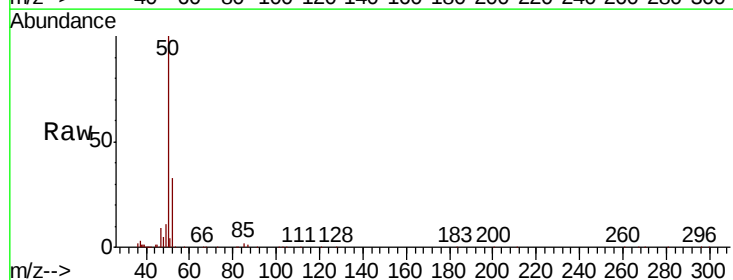
Acq: 8 Dec 2020 17:13

Tgt Ion: 50 Resp: 751723

Ion Ratio Lower Upper

50 100

52 33.1 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.14

500000

400000

300000

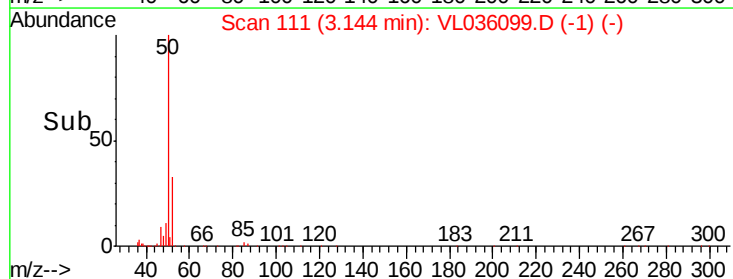
200000

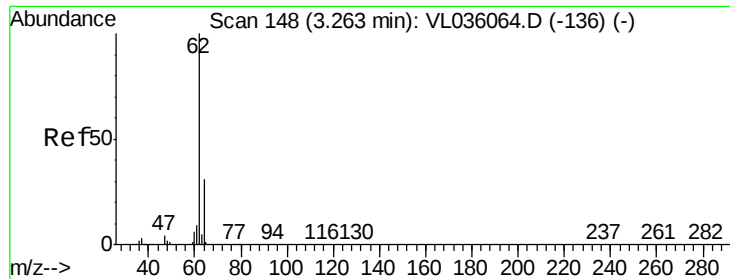
100000

0

Time-->

3.10 3.15





#5

Vinyl Chloride

Concen: 9.594 ppbv

RT: 3.26 min Scan# 148

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

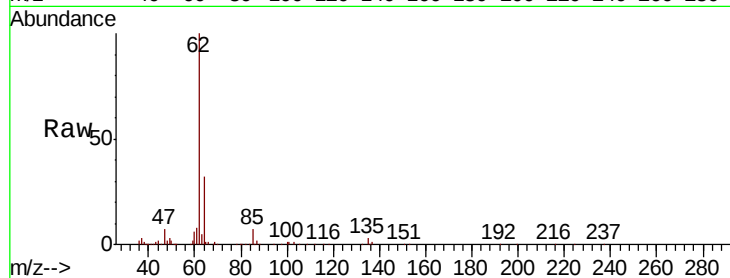
VL1208ABS01

Tot Ion: 62 Resp: 704907

Ion Ratio Lower Upper

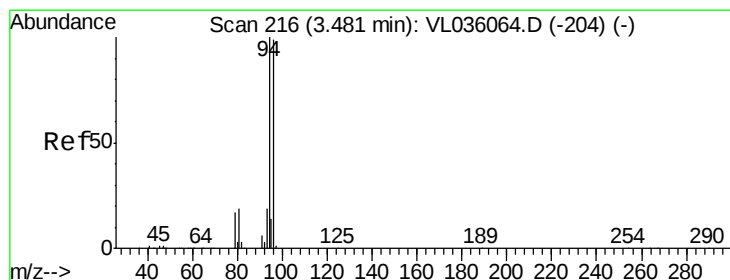
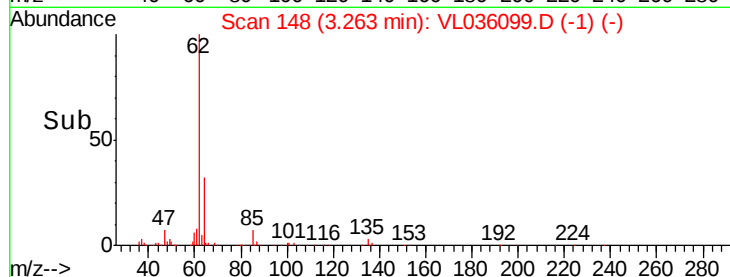
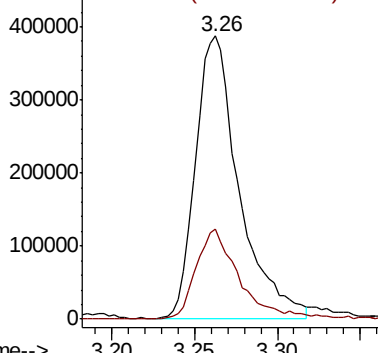
62 100

64 31.7 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: 9.534 ppbv

RT: 3.48 min Scan# 215

Delta R.T. -0.00 min

Lab File: VL036099.D

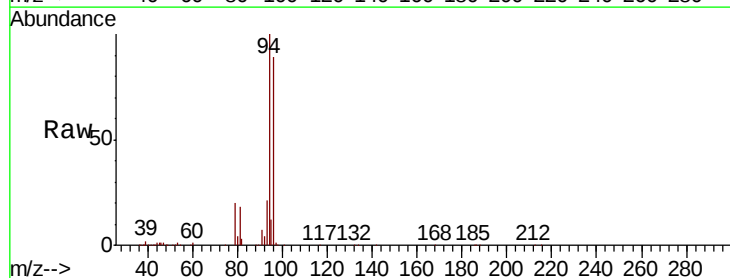
Acq: 8 Dec 2020 17:13

Tgt Ion: 94 Resp: 361418

Ion Ratio Lower Upper

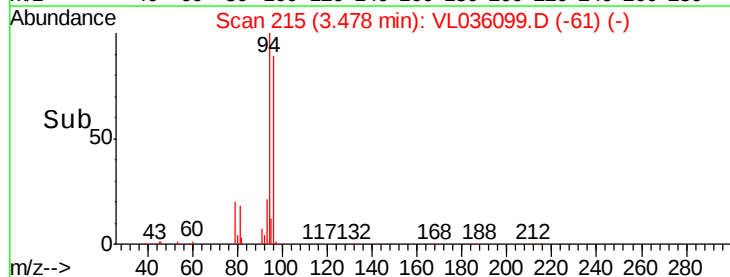
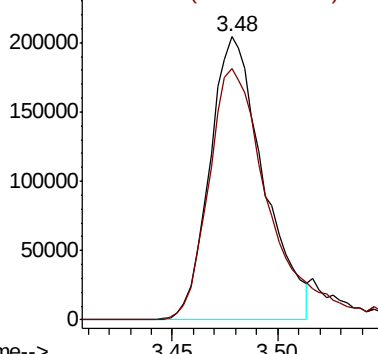
94 100

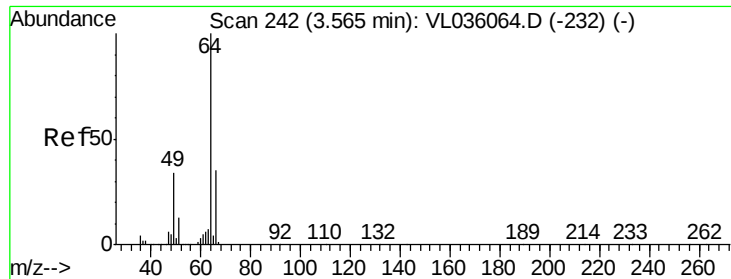
96 88.8 79.4 119.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.657 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

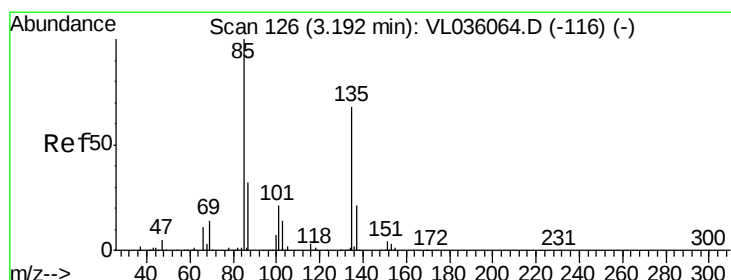
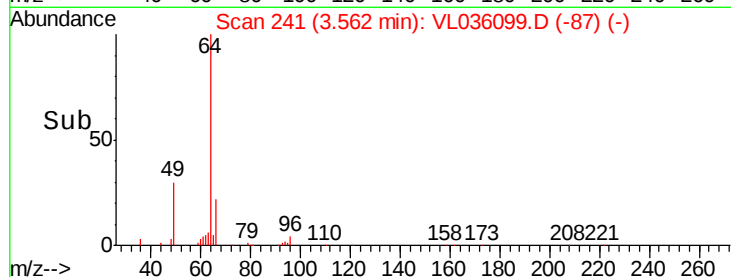
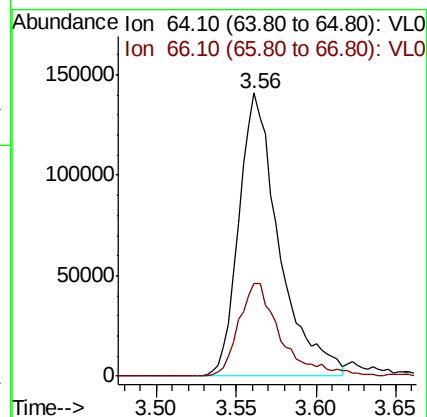
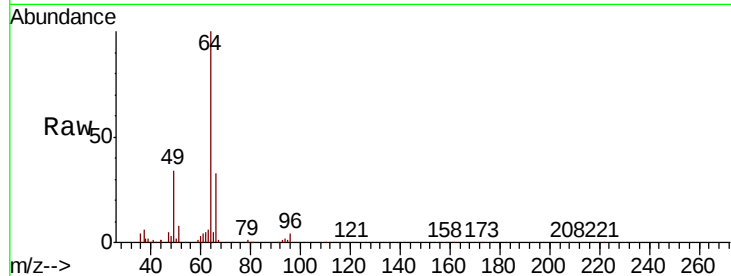
VL1208ABS01

Tot Ion: 64 Resp: 241693

Ion Ratio Lower Upper

64 100

66 32.9 27.7 41.5



#8

Dichlorotetrafluoroethane

Concen: 10.691 ppbv

RT: 3.19 min Scan# 126

Delta R.T. -0.00 min

Lab File: VL036099.D

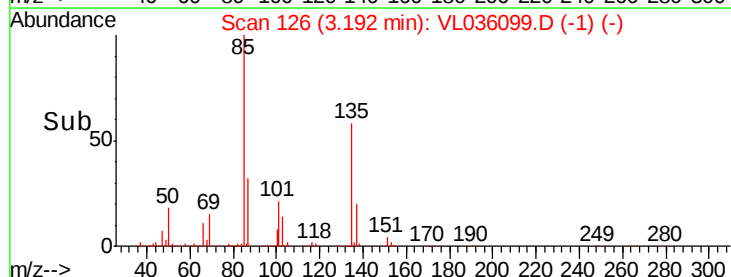
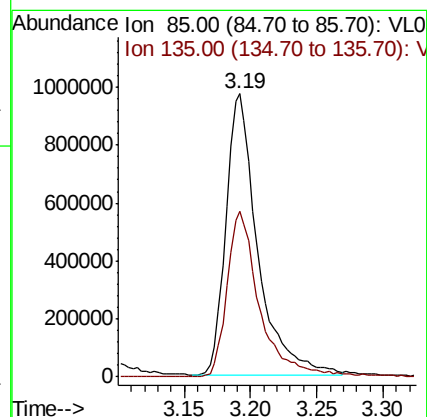
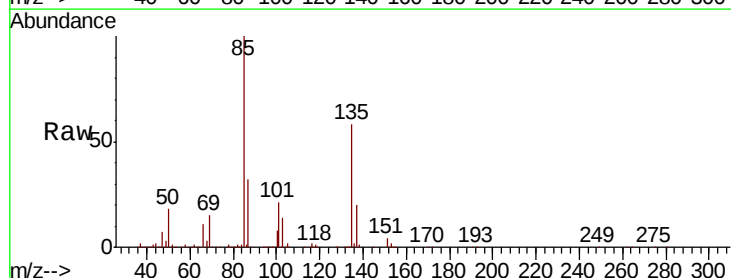
Acq: 8 Dec 2020 17:13

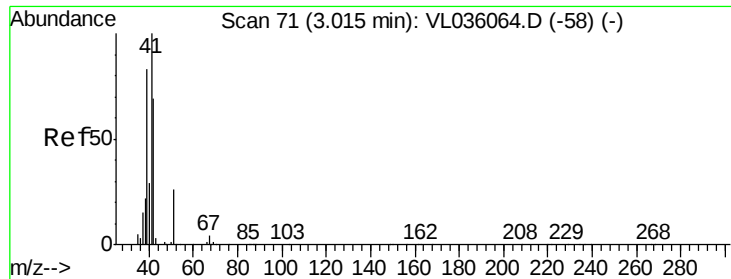
Tgt Ion: 85 Resp: 1632535

Ion Ratio Lower Upper

85 100

135 60.7 53.8 80.8





#9

Propene

Concen: 10.447 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

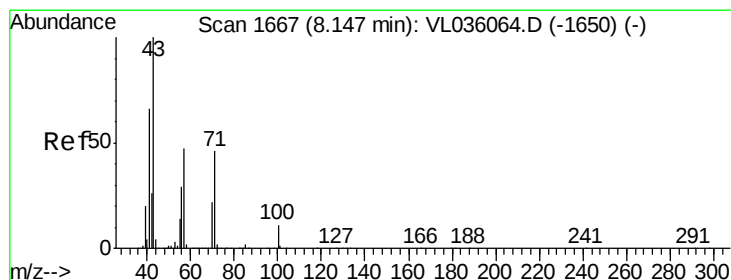
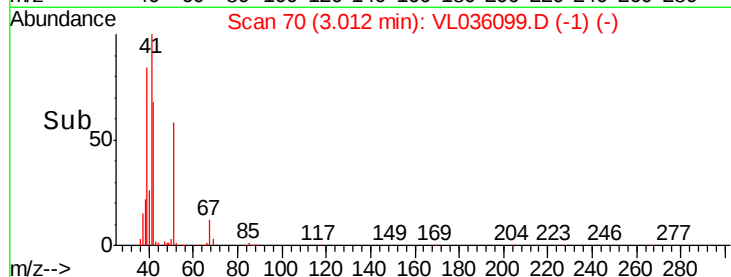
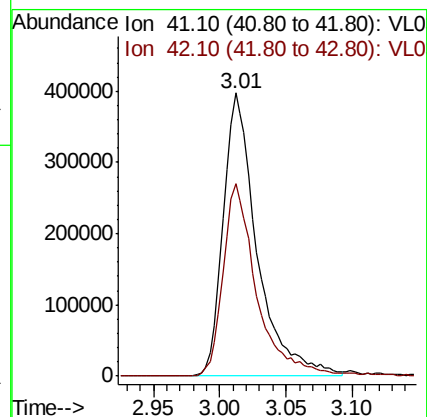
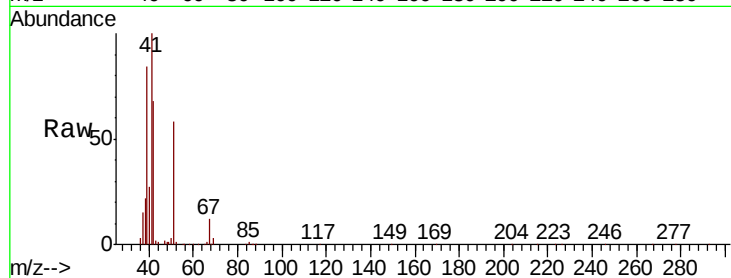
VL1208ABS01

Tot Ion: 41 Resp: 703936

Ion Ratio Lower Upper

41 100

42 68.2 57.0 85.6



#10

Heptane

Concen: 10.242 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. -0.01 min

Lab File: VL036099.D

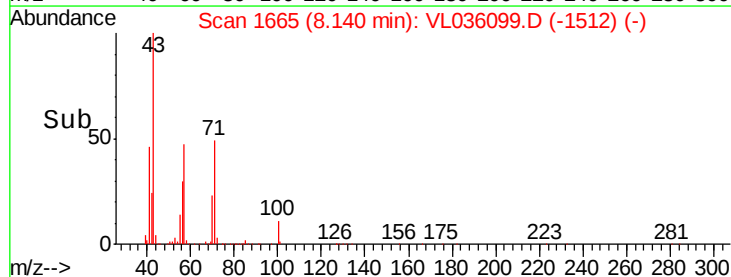
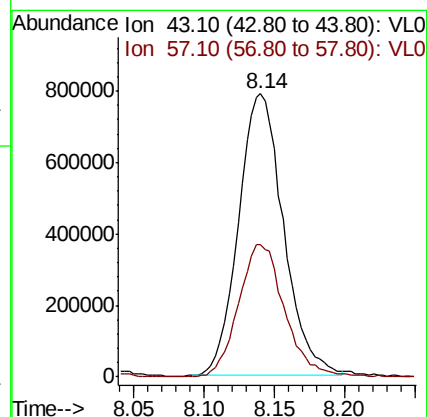
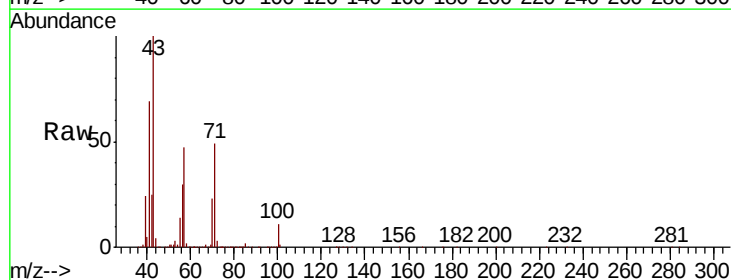
Acq: 8 Dec 2020 17:13

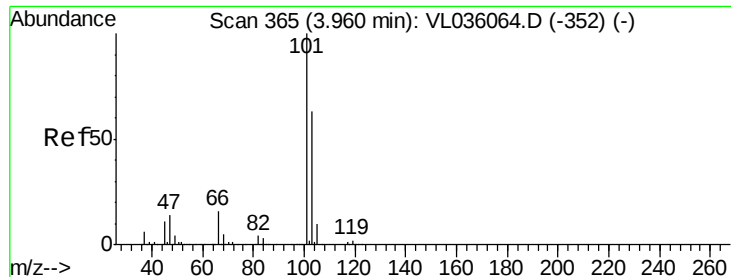
Tgt Ion: 43 Resp: 1762690

Ion Ratio Lower Upper

43 100

57 48.3 37.9 56.9

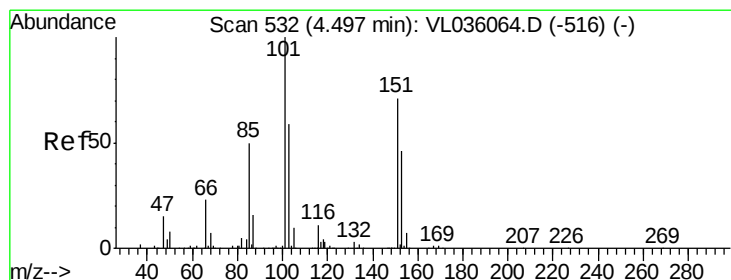
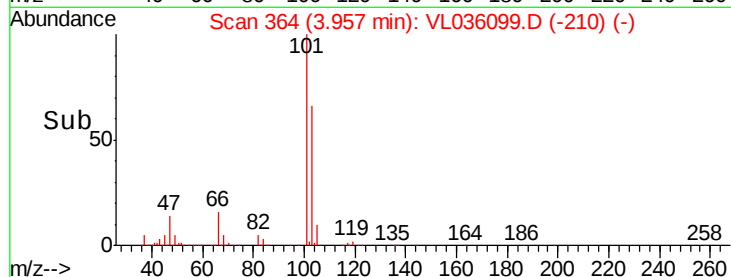
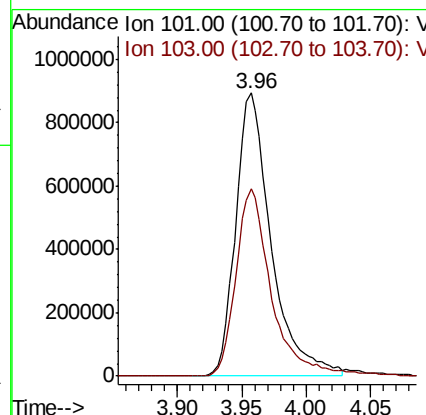
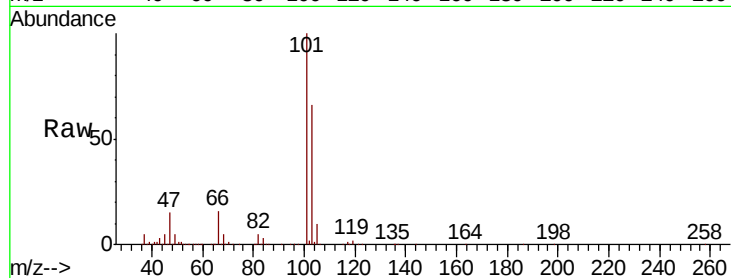




#11
 Trichlorofluoromethane
 Concen: 10.601 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

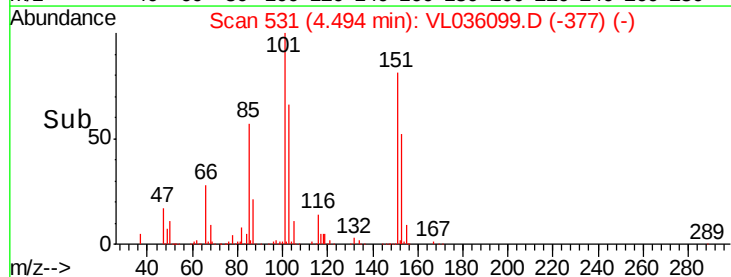
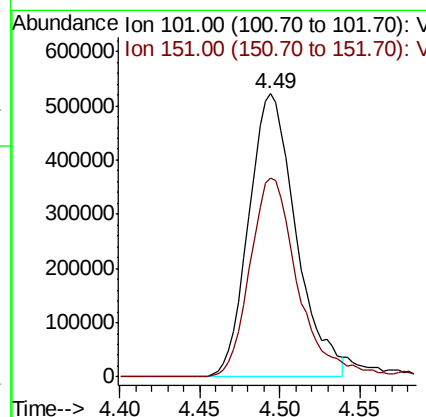
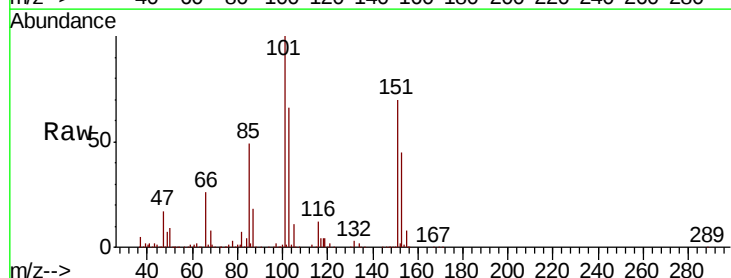
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABS01

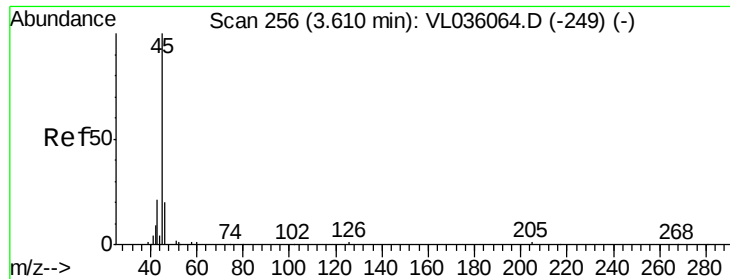
Tot Ion:101 Resp: 1712479
 Ion Ratio Lower Upper
 101 100
 103 66.3 50.3 75.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.688 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Tgt Ion:101 Resp: 1062779
 Ion Ratio Lower Upper
 101 100
 151 72.6 59.3 88.9





#13

Ethanol

Concen: 10.640 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

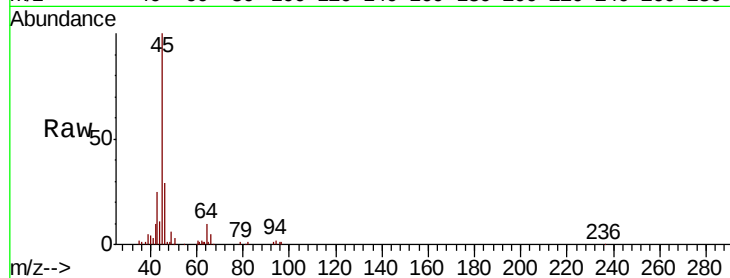
VL1208ABS01

Tot Ion: 45 Resp: 98837

Ion Ratio Lower Upper

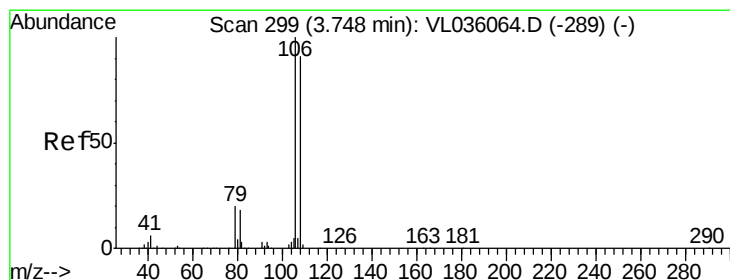
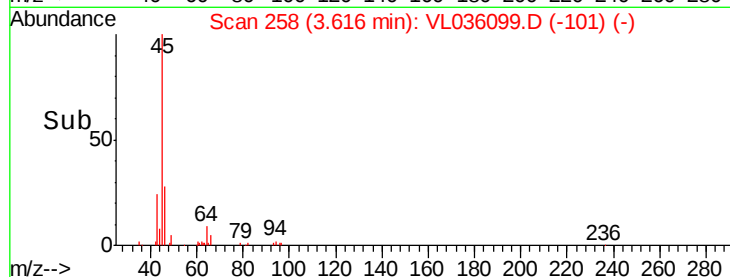
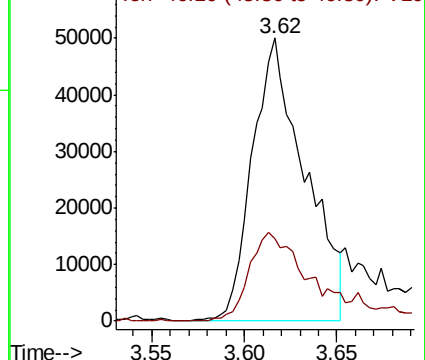
45 100

46 43.4 19.0 75.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.378 ppbv

RT: 3.74 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

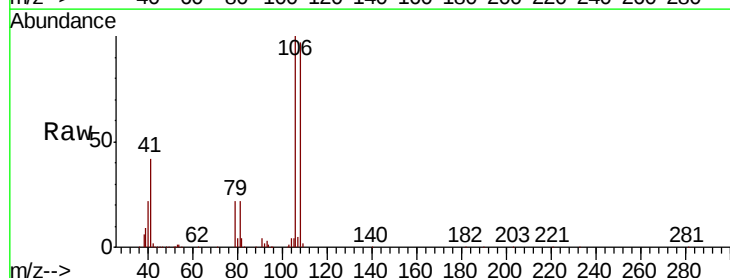
Tgt Ion: 108 Resp: 467087

Ion Ratio Lower Upper

108 100

106 109.3 91.0 136.4

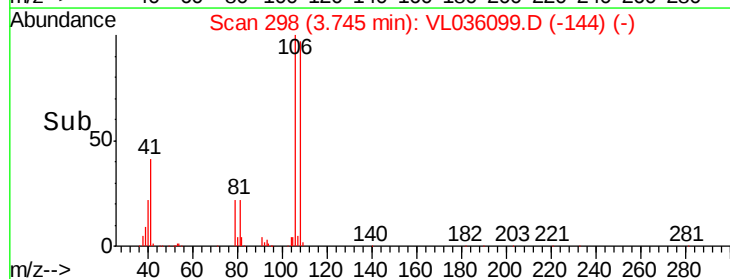
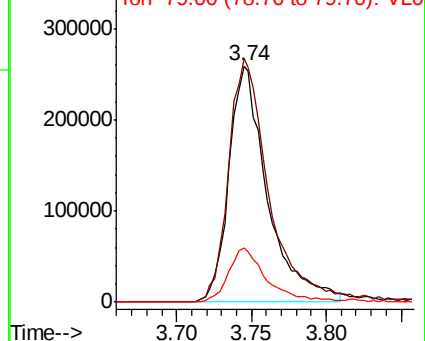
79 23.8 19.3 28.9

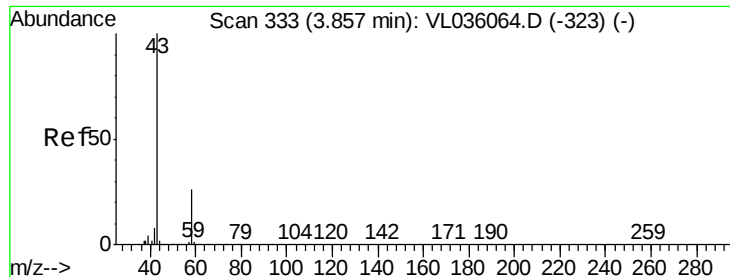


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 10.574 ppbv

RT: 3.86 min Scan# 333

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

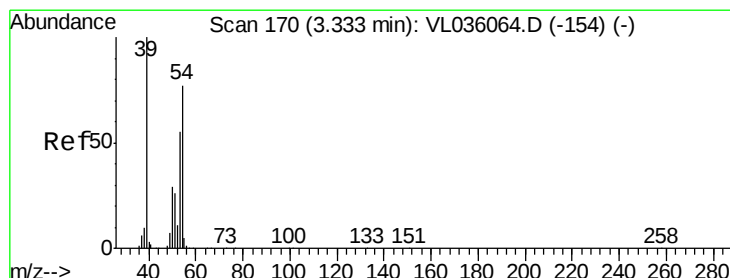
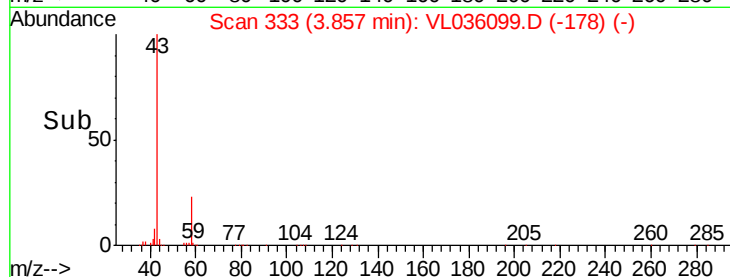
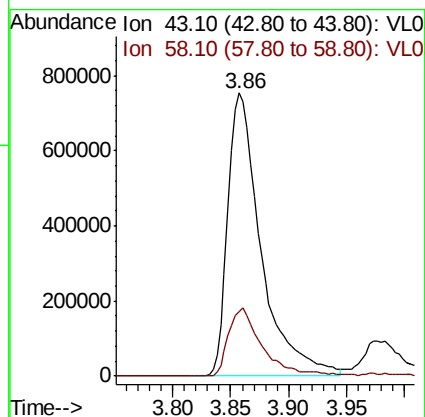
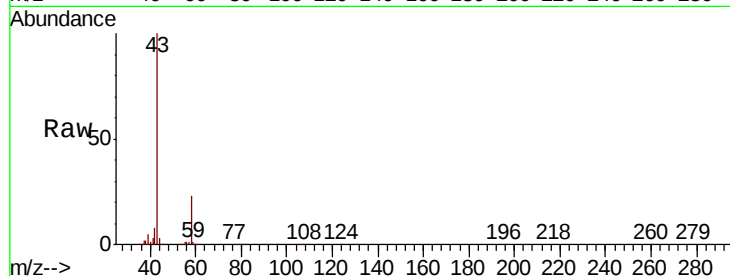
VL1208ABS01

Tot Ion: 43 Resp: 1498211

Ion Ratio Lower Upper

43 100

58 24.4 20.9 31.3



#16

1,3-Butadiene

Concen: 10.415 ppbv

RT: 3.33 min Scan# 169

Delta R.T. -0.00 min

Lab File: VL036099.D

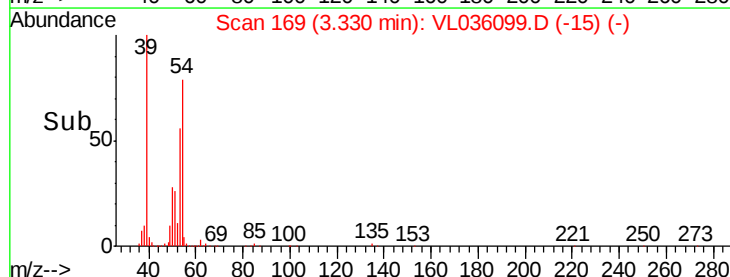
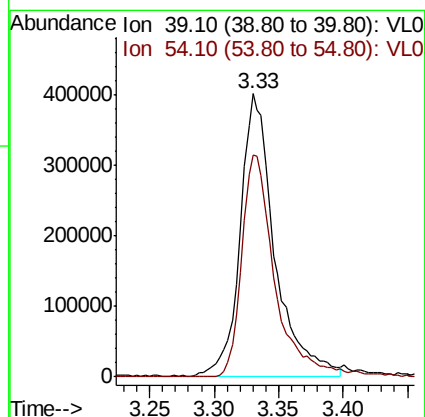
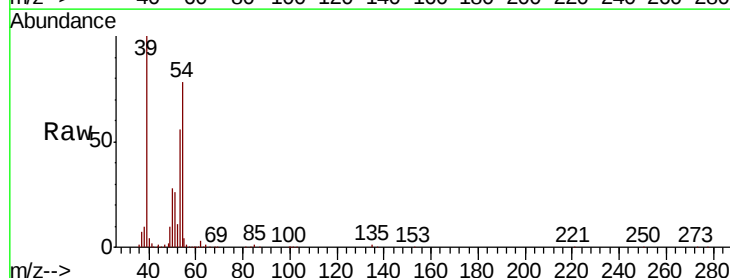
Acq: 8 Dec 2020 17:13

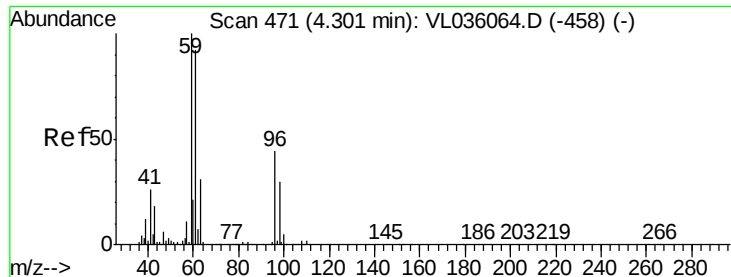
Tgt Ion: 39 Resp: 743270

Ion Ratio Lower Upper

39 100

54 76.7 62.1 93.1



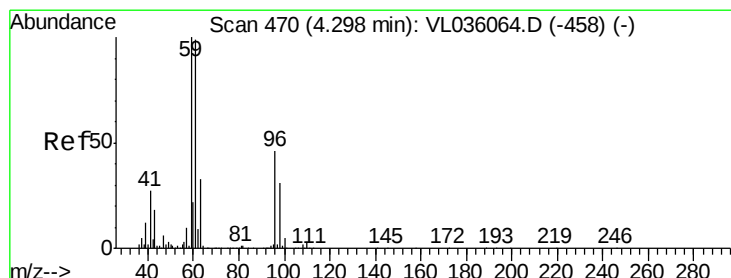
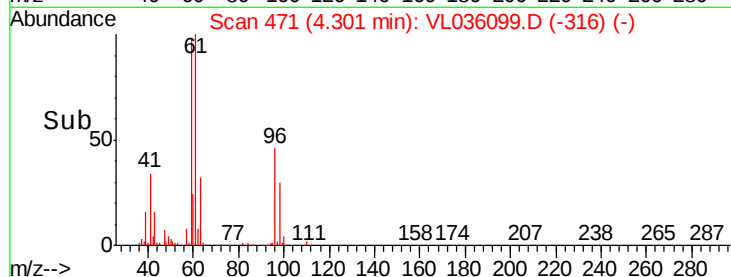
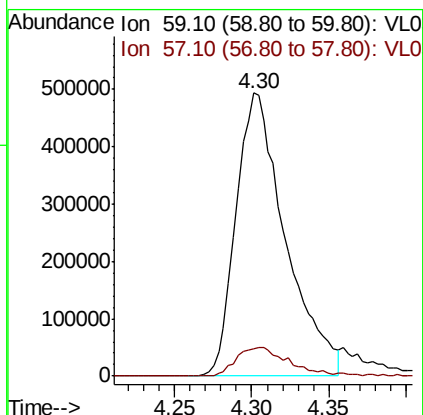
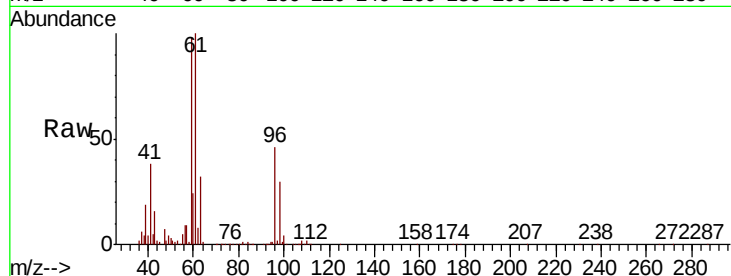


#17

tert-Butyl alcohol
Concen: 7.983 ppbv
RT: 4.30 min Scan# 471
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

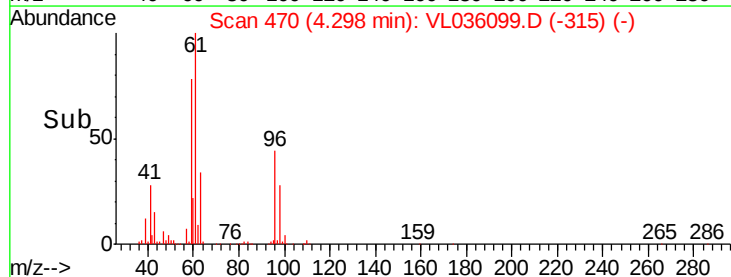
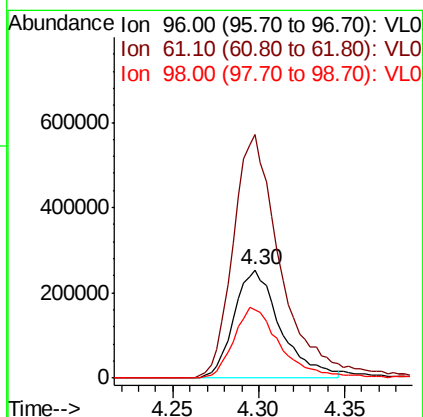
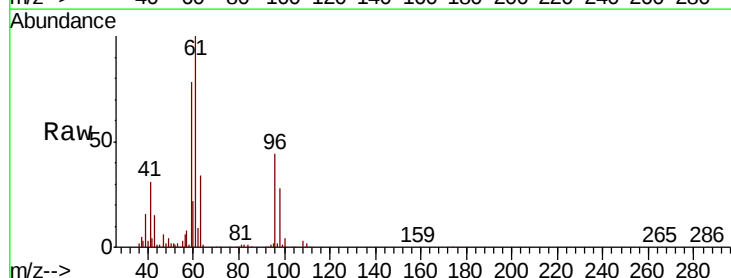
Tot Ion: 59 Resp: 1095637
Ion Ratio Lower Upper
59 100
57 11.4 8.7 13.1

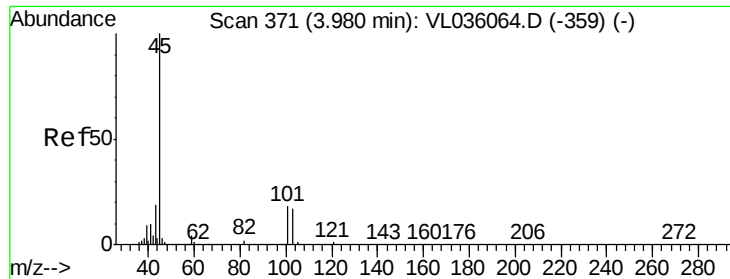


#18

1,1-Dichloroethene
Concen: 9.830 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion: 96 Resp: 478828
Ion Ratio Lower Upper
96 100
61 224.7 171.4 257.2
98 62.5 54.2 81.2





#19

Isopropyl Alcohol

Concen: 8.961 ppbv

RT: 3.98 min Scan# 370

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

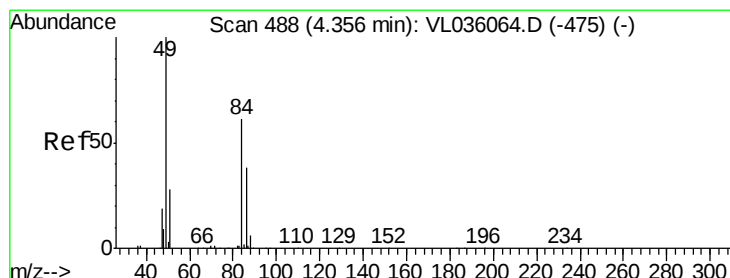
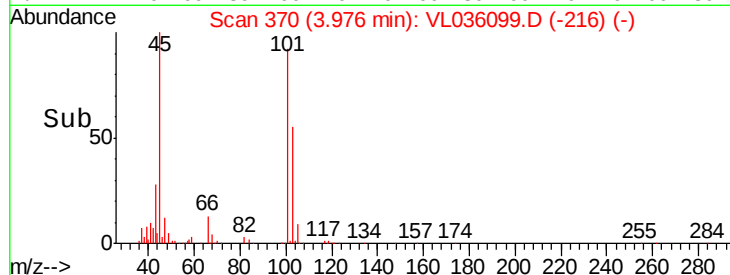
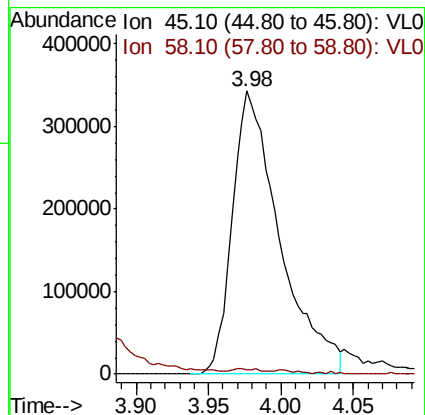
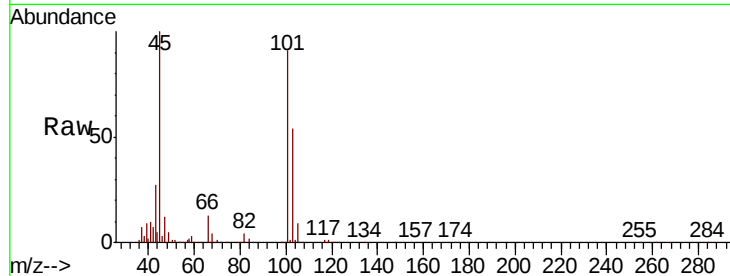
VL1208ABS01

Tot Ion: 45 Resp: 776034

Ion Ratio Lower Upper

45 100

58 2.0 0.0 0.0#



#20

Methylene Chloride

Concen: 7.188 ppbv

RT: 4.35 min Scan# 486

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Tgt Ion: 84 Resp: 417364

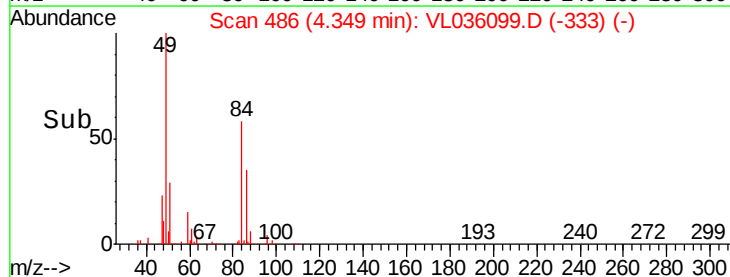
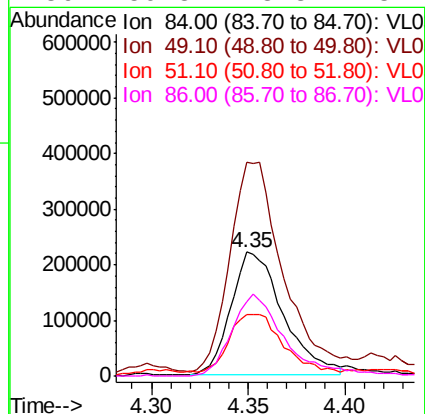
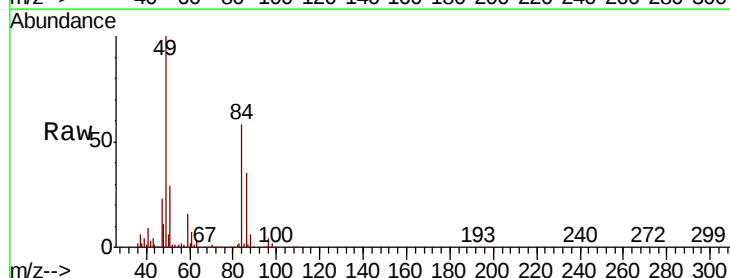
Ion Ratio Lower Upper

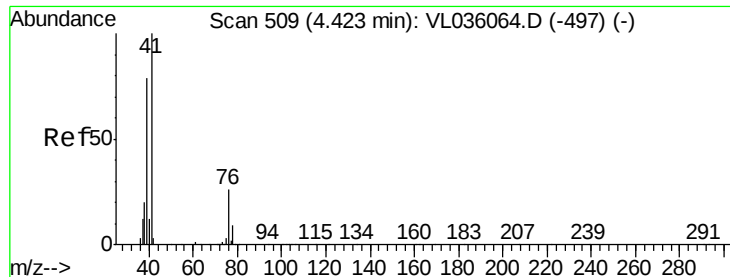
84 100

49 170.6 133.0 199.4

51 46.2 38.9 58.3

86 59.8 48.8 73.2

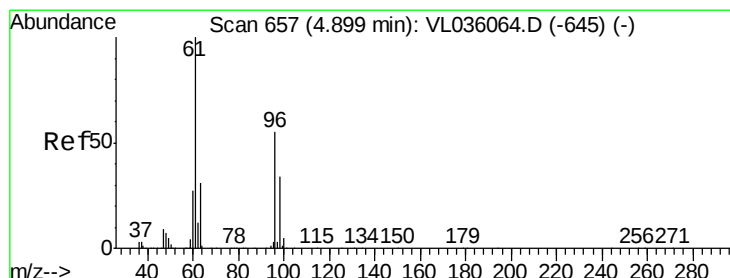
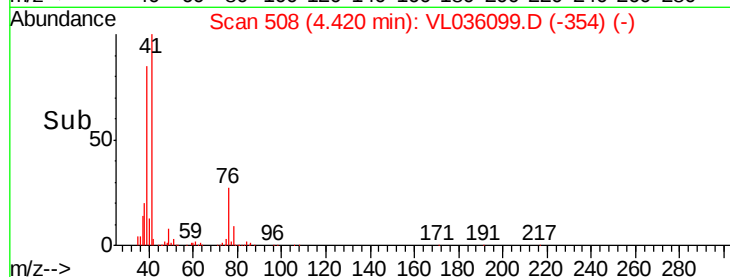
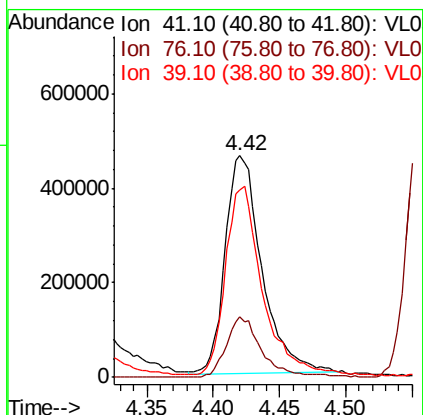
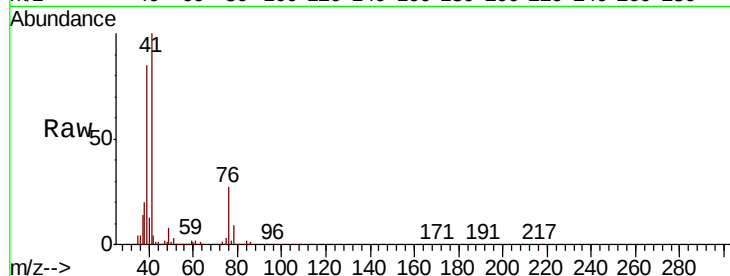




#21
Allvl Chloride
Concen: 9.533 ppbv
RT: 4.42 min Scan# 508
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

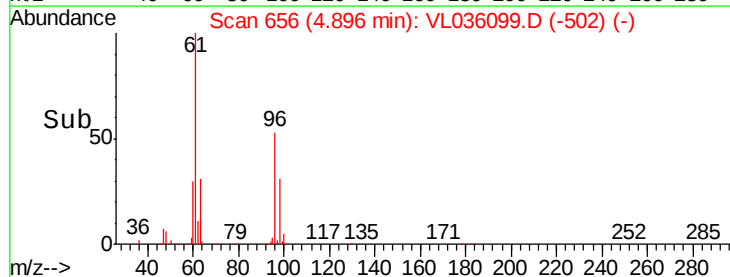
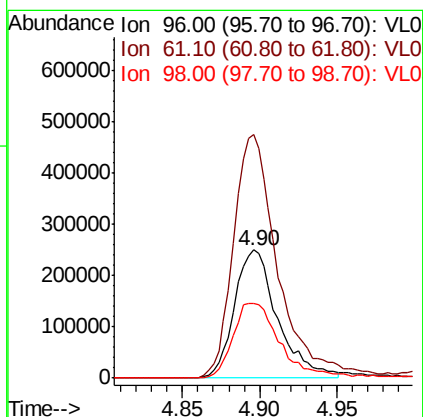
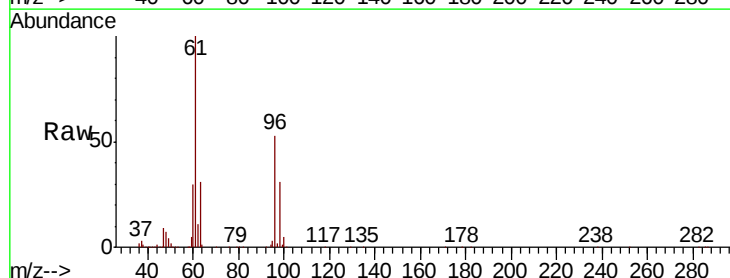
Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

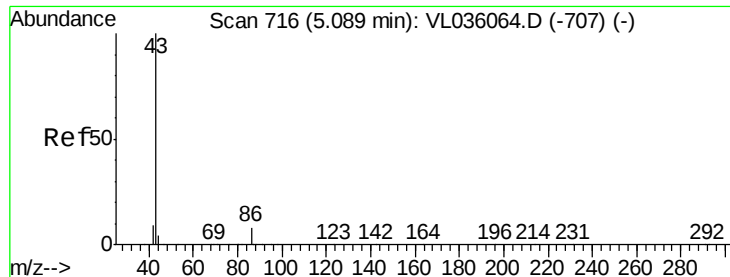
Tot Ion: 41 Resp: 898144
Ion Ratio Lower Upper
41 100
76 26.8 21.0 31.4
39 87.3 66.0 99.0



#22
trans-1,2-Dichloroethene
Concen: 9.971 ppbv
RT: 4.90 min Scan# 656
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion: 96 Resp: 486251
Ion Ratio Lower Upper
96 100
61 189.8 145.7 218.5
98 57.9 49.2 73.8





#23

Vinyl Acetate

Concen: 9.994 ppbv

RT: 5.09 min Scan# 715

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

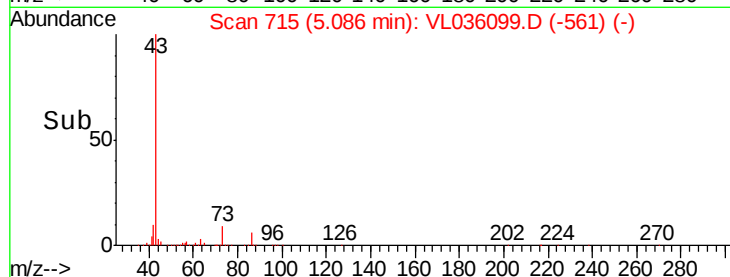
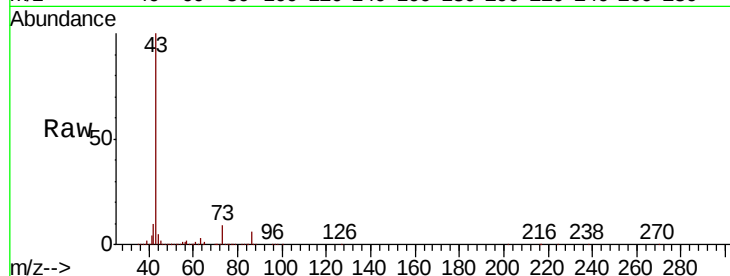
ClientSampleId :

VL1208ABS01

Tot Ion: 43 Resp: 1885260

Ion	Ratio	Lower	Upper
43	100		
86	5.6	5.0	7.4
42	10.3	7.8	11.6
44	4.6	3.2	4.8

43	100		
86	5.6	5.0	7.4
42	10.3	7.8	11.6
44	4.6	3.2	4.8

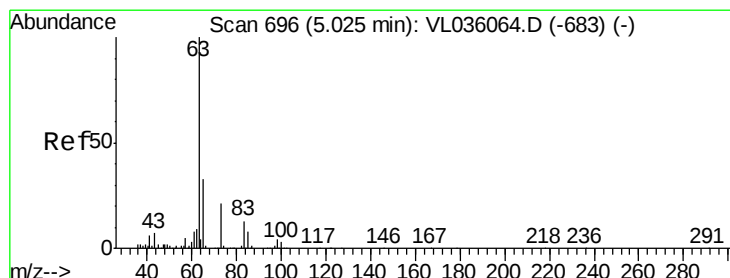
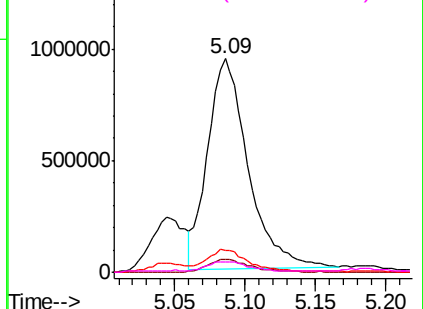


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.075 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.00 min

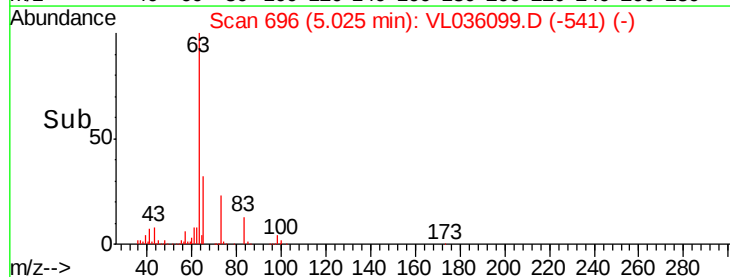
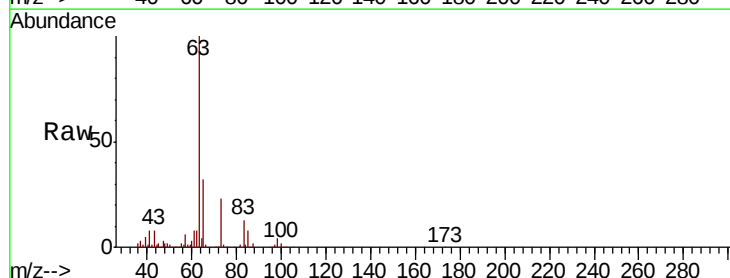
Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Tgt Ion: 63 Resp: 1336749

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.2	6.6
100	2.1	1.5	4.4

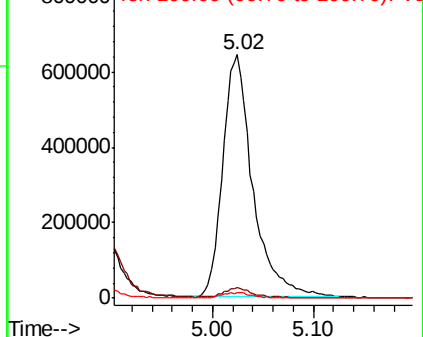
63	100		
98	3.9	2.2	6.6
100	2.1	1.5	4.4

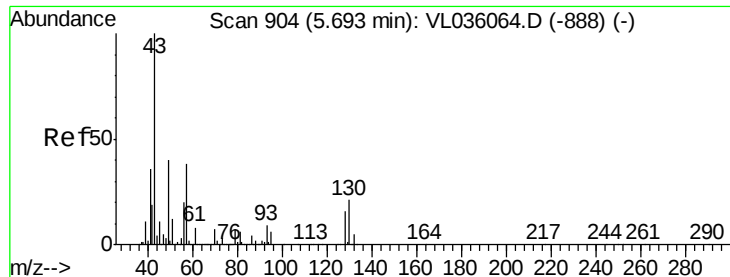


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.483 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

Tot Ion: 43 Resp: 2967449

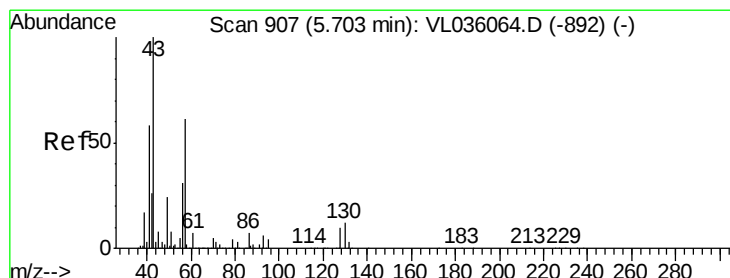
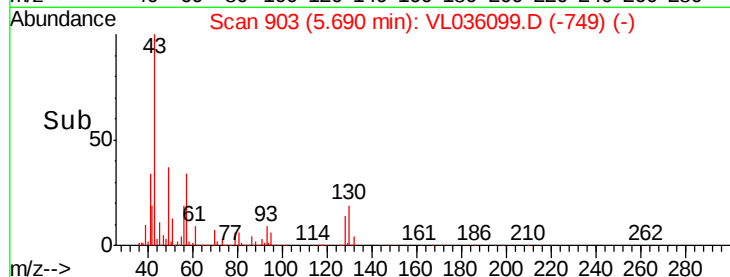
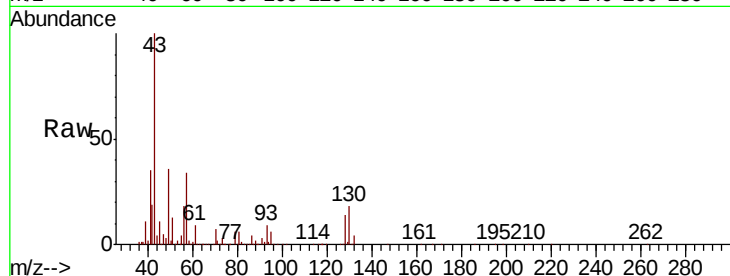
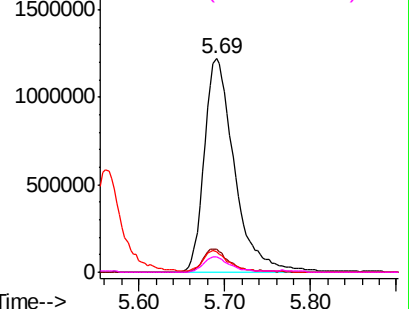
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.4
61	9.3	7.4	11.2
70	6.4	5.4	8.0

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: 9.491 ppbv

RT: 5.70 min Scan# 906

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Tgt Ion: 57 Resp: 1209103

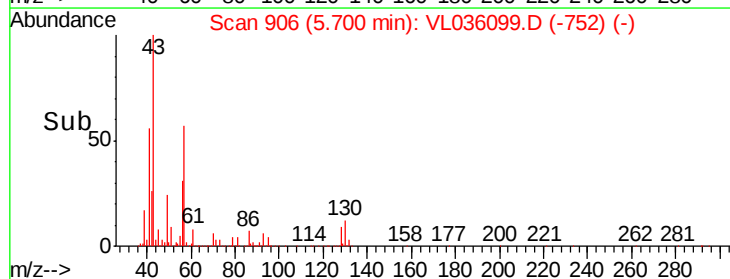
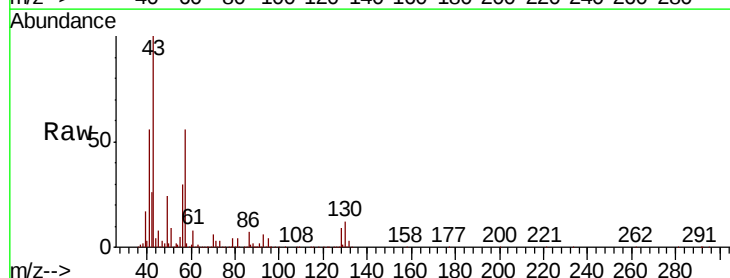
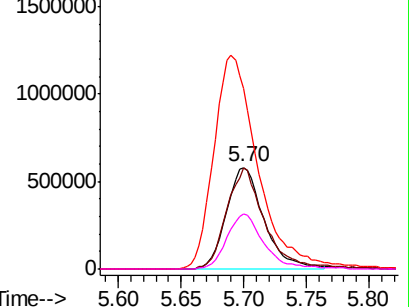
Ion	Ratio	Lower	Upper
57	100		
41	102.4	82.9	124.3
43	247.8	199.9	299.9
56	54.4	43.1	64.7

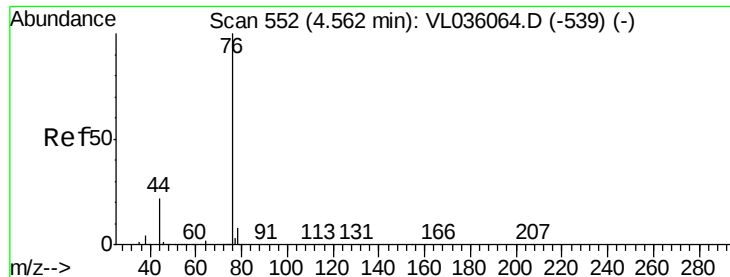
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 9.683 ppbv

RT: 4.56 min Scan# 551

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

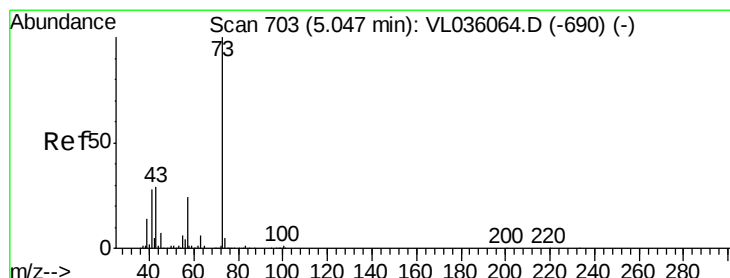
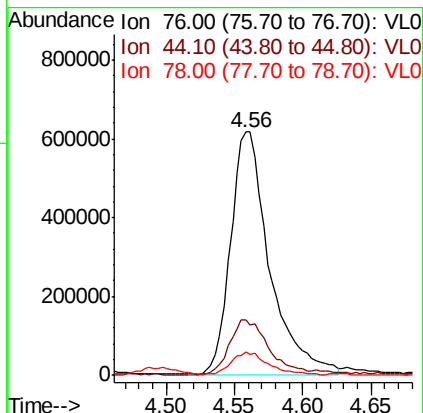
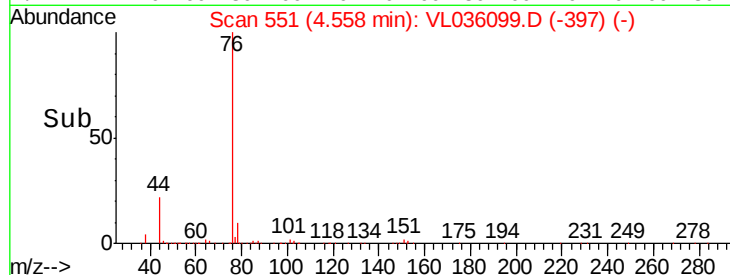
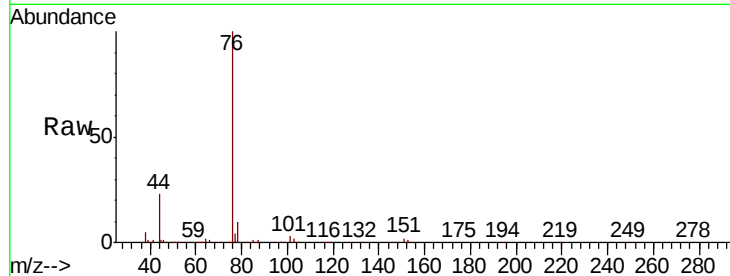
Tot Ion: 76 Resp: 1226078

Ion Ratio Lower Upper

76 100

44 24.0 17.9 26.9

78 9.5 7.8 11.8



#28

Methyl tert-Butyl Ether

Concen: 9.416 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.00 min

Lab File: VL036099.D

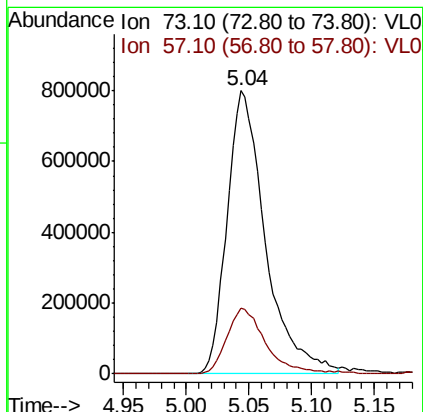
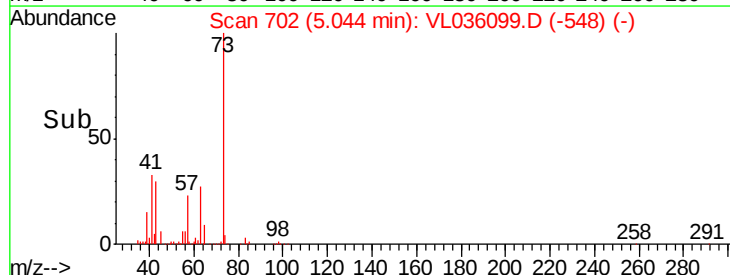
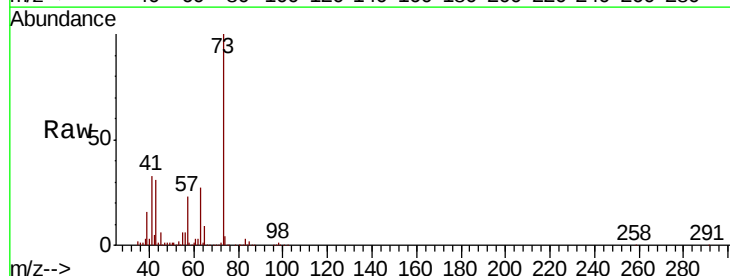
Acq: 8 Dec 2020 17:13

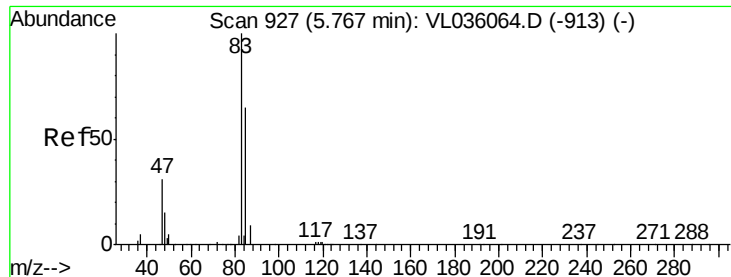
Tgt Ion: 73 Resp: 1705409

Ion Ratio Lower Upper

73 100

57 23.8 19.2 28.8

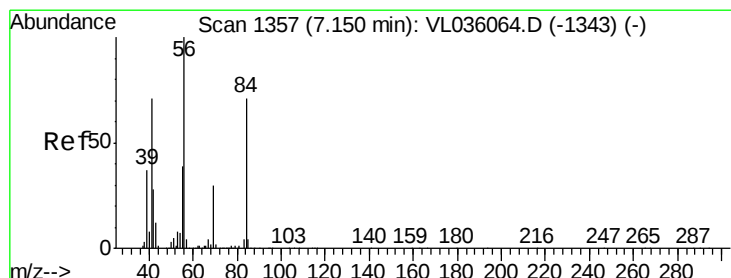
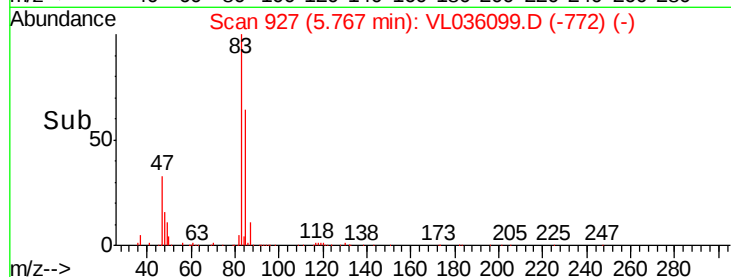
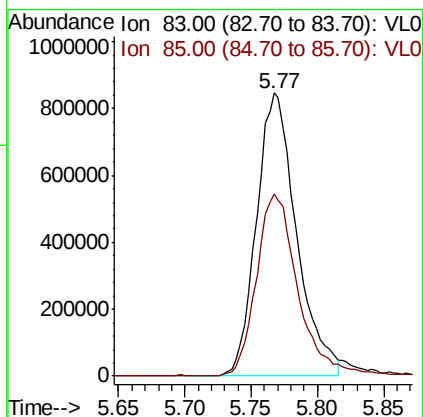
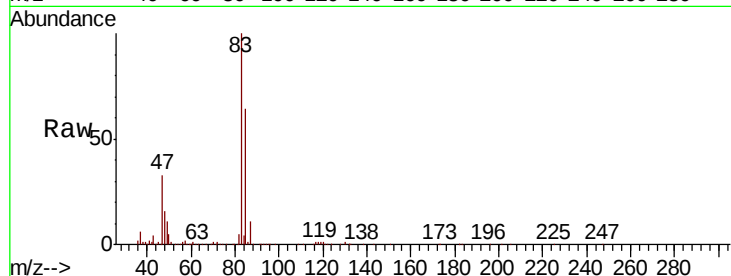




#29
Chloroform
Concen: 10.639 ppbv
RT: 5.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

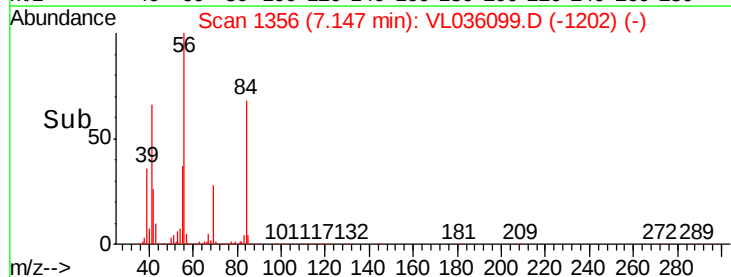
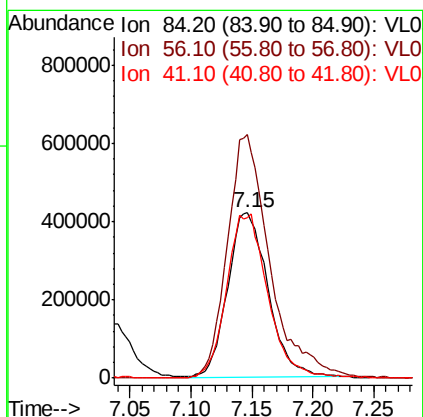
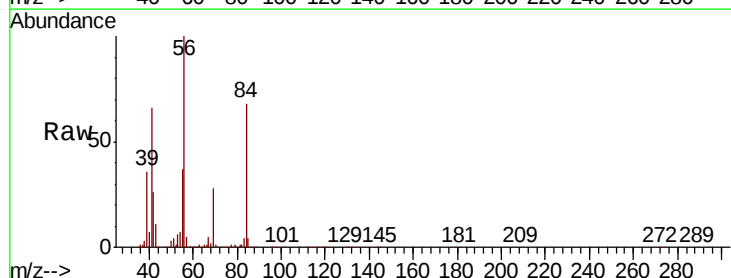
Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

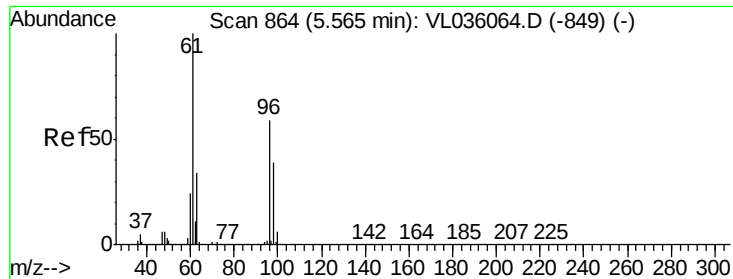
Tot Ion: 83 Resp: 1779966
Ion Ratio Lower Upper
83 100
85 64.1 51.8 77.6



#30
Cyclohexane
Concen: 10.376 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion: 84 Resp: 971036
Ion Ratio Lower Upper
84 100
56 156.8 128.0 192.0
41 101.6 81.3 121.9



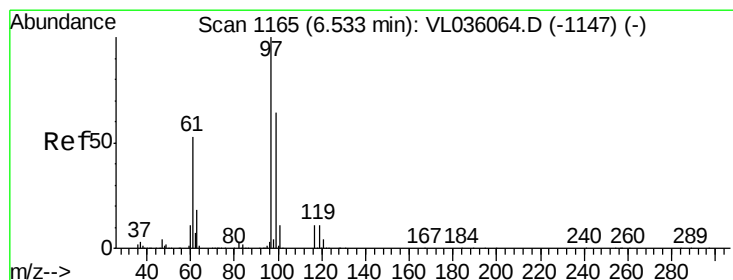
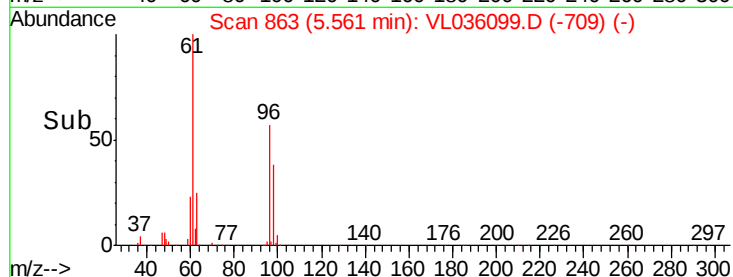
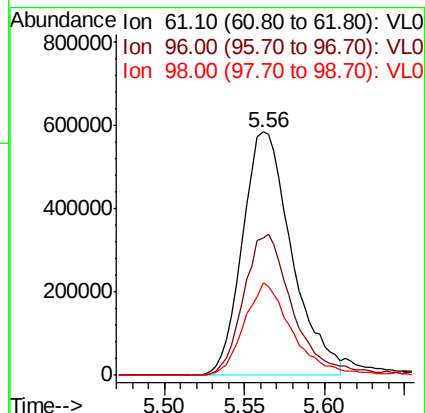
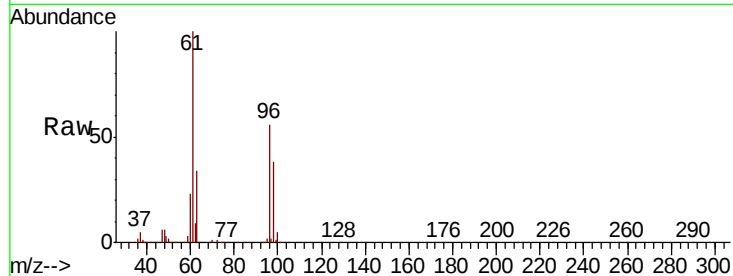


#31

cis-1,2-Dichloroethene
 Concen: 10.632 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABS01

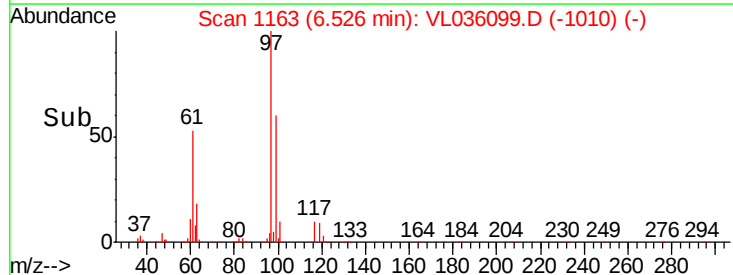
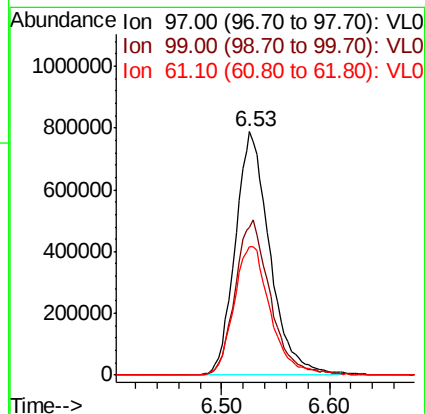
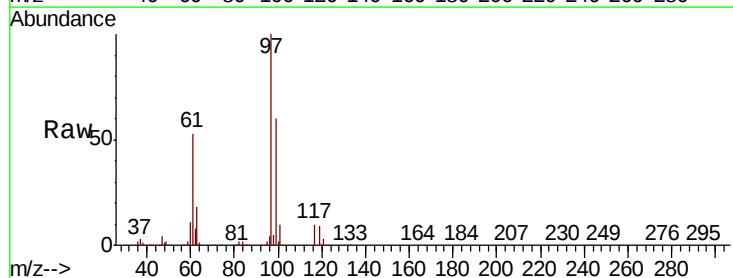
Tot Ion: 61 Resp: 1231319
 Ion Ratio Lower Upper
 61 100
 96 56.3 47.3 70.9
 98 37.8 31.4 47.0

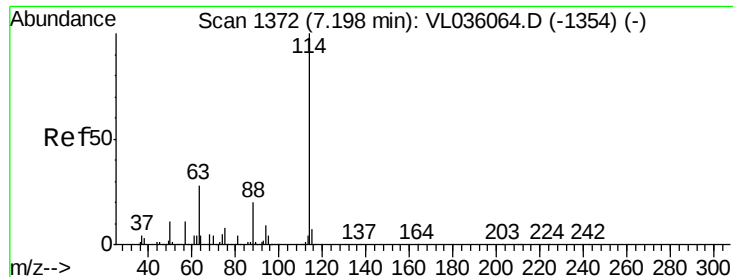


#32

1,1,1-Trichloroethane
 Concen: 10.184 ppbv
 RT: 6.53 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Tgt Ion: 97 Resp: 1758009
 Ion Ratio Lower Upper
 97 100
 99 64.8 52.4 78.6
 61 56.1 43.4 65.0

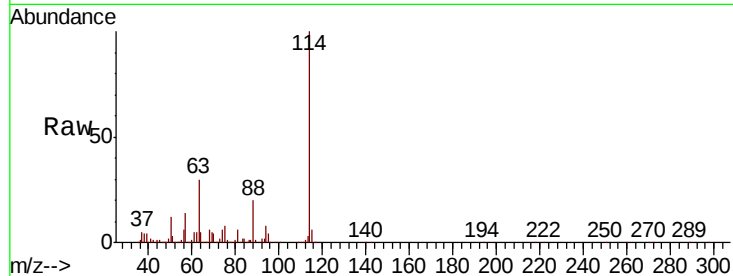




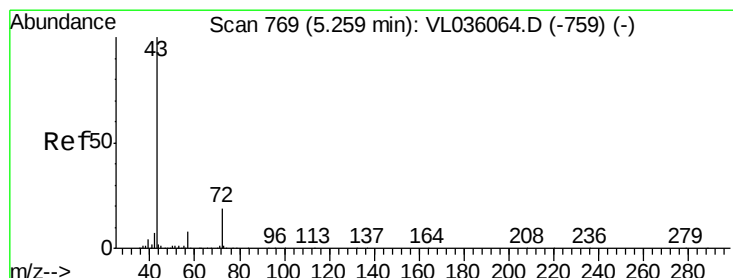
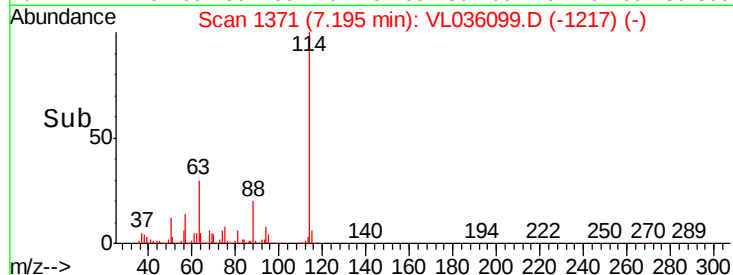
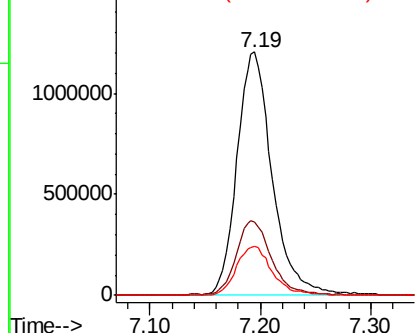
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABS01

Tot Ion:114 Resp: 2659574
 Ion Ratio Lower Upper
 114 100
 63 31.2 23.6 35.4
 88 20.8 15.8 23.6

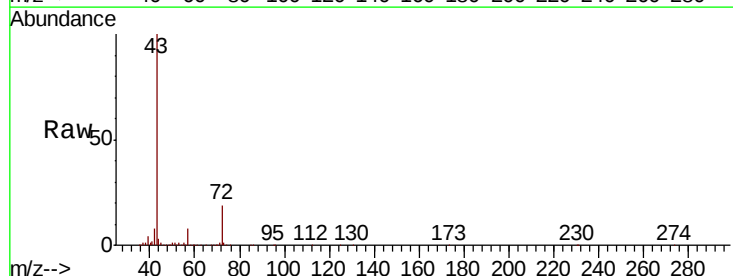


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

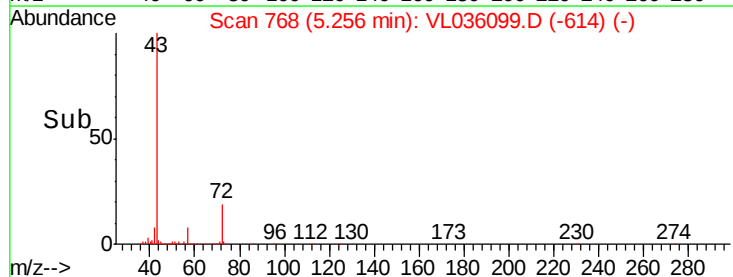
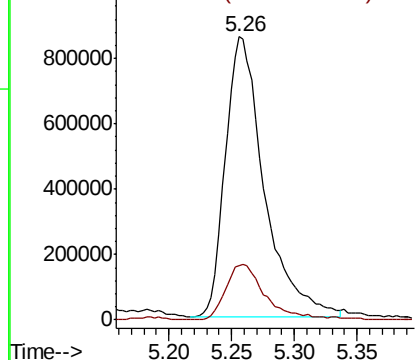


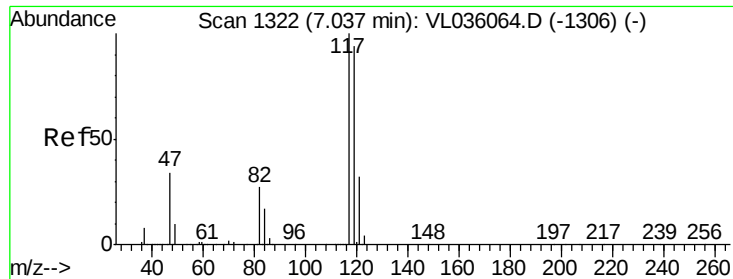
#34
 2-Butanone
 Concen: 10.424 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Tgt Ion: 43 Resp: 1838956
 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: 10.945 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

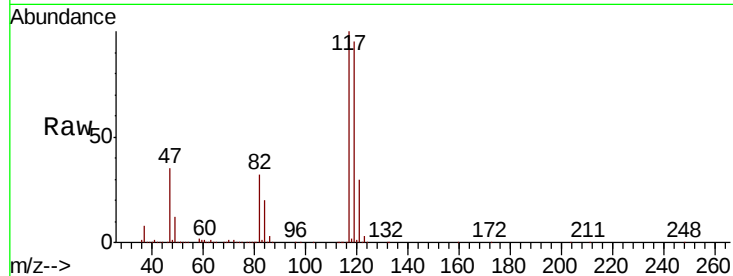
Tot Ion:117 Resp: 1697447

Ion Ratio Lower Upper

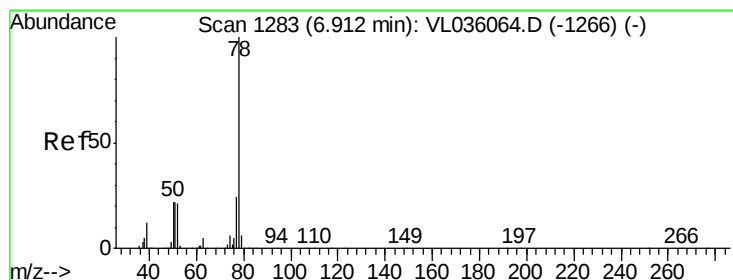
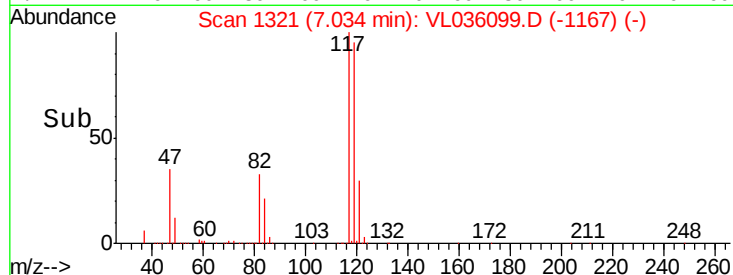
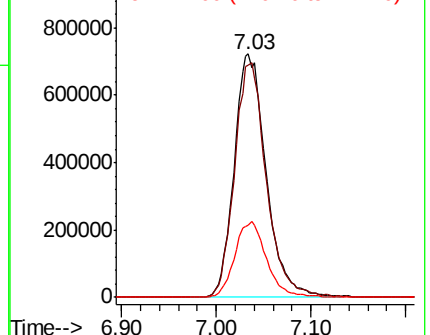
117 100

119 95.4 75.1 112.7

121 29.7 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: 10.846 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

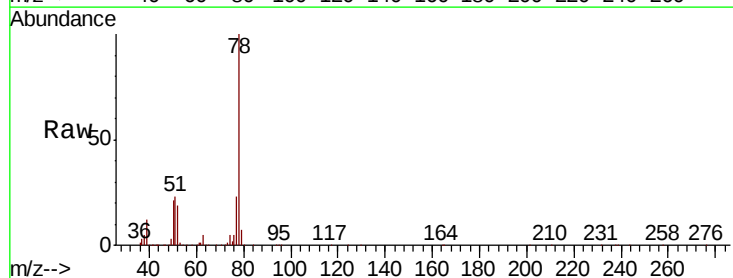
Tgt Ion: 78 Resp: 2444599

Ion Ratio Lower Upper

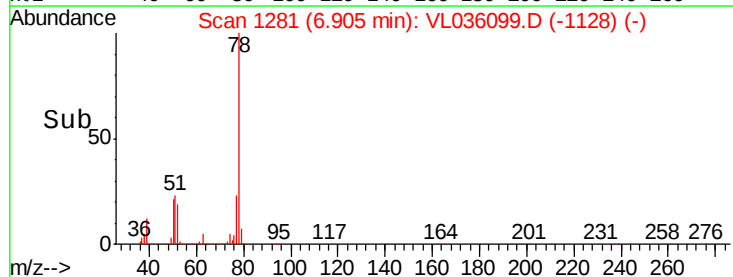
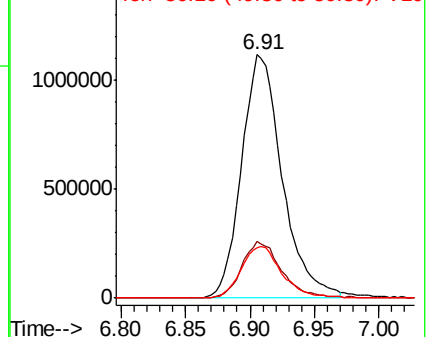
78 100

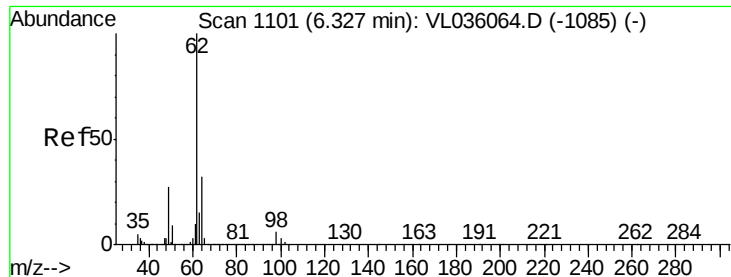
77 23.2 19.4 29.2

50 20.6 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

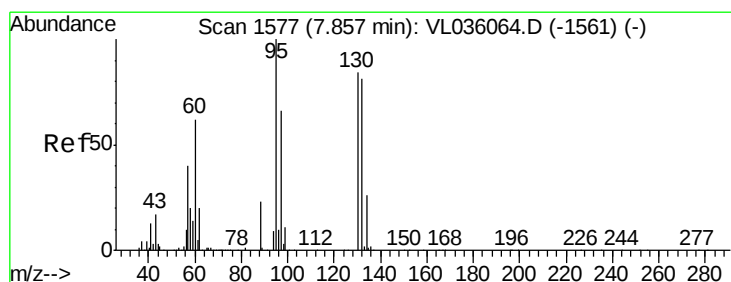
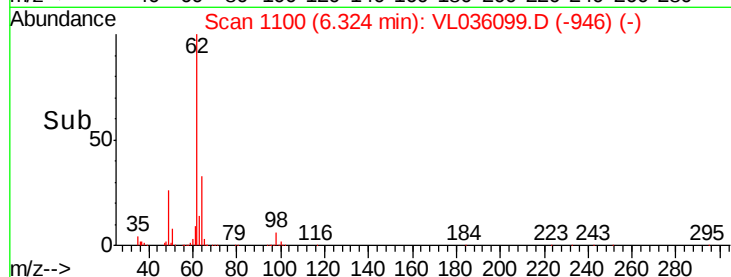
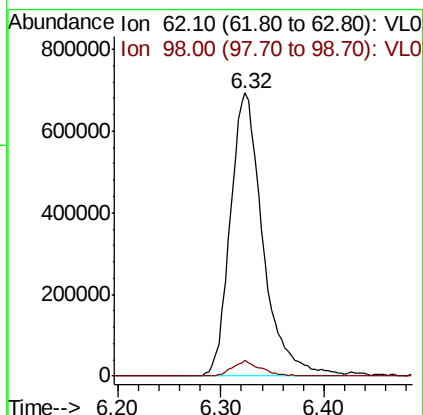
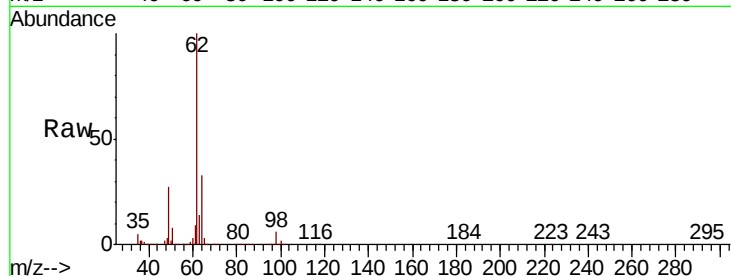




#37
 1,2-Dichloroethane
 Concen: 11.695 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. -0.00 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

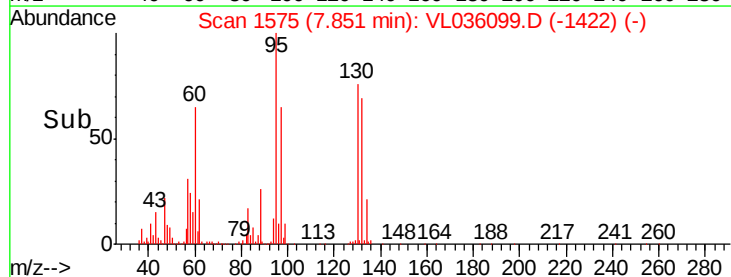
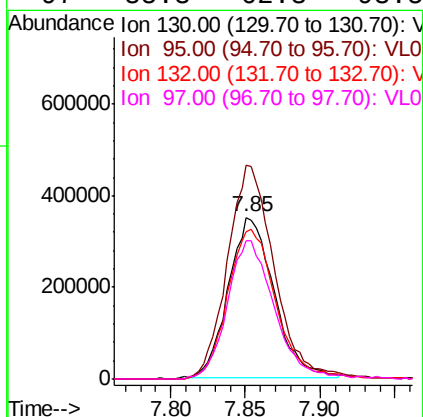
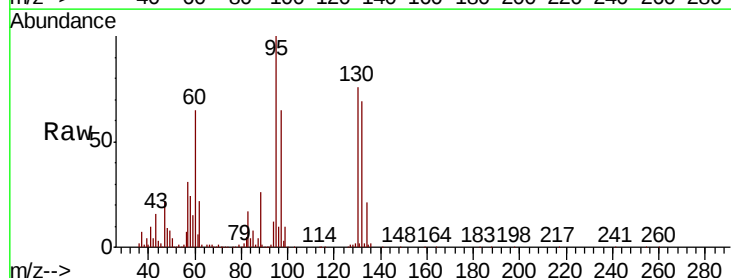
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABS01

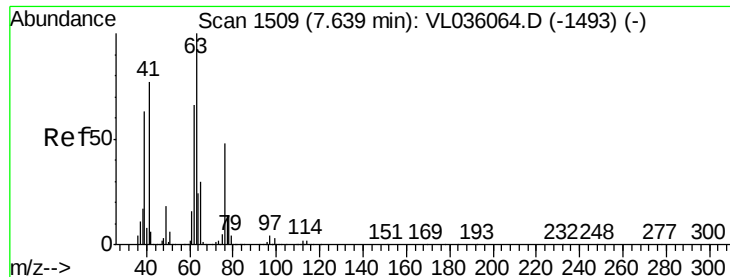
Tot Ion: 62 Resp: 1527380
 Ion Ratio Lower Upper
 62 100
 98 5.1 4.6 7.0



#38
 Trichloroethene
 Concen: 8.813 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Tgt Ion: 130 Resp: 742557
 Ion Ratio Lower Upper
 130 100
 95 131.9 95.2 142.8
 132 90.9 76.9 115.3
 97 85.3 62.3 93.5

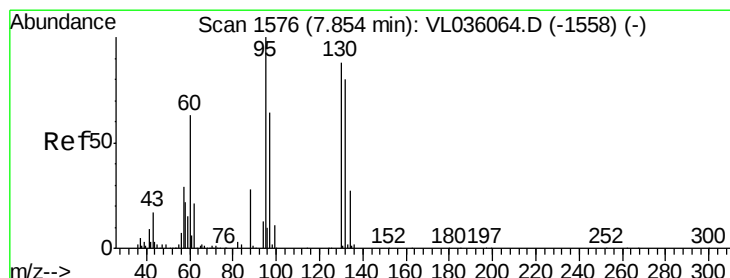
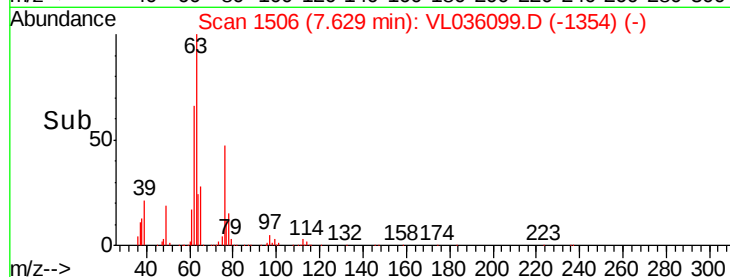
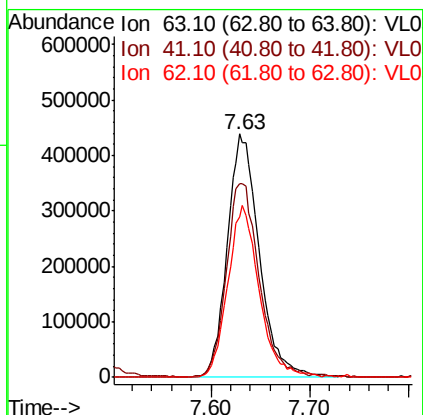
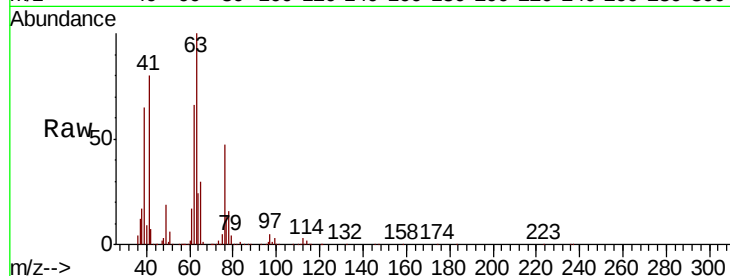




#39
 1,2-Dichloropropane
 Concen: 11.165 ppbv
 RT: 7.63 min Scan# 1506
 Delta R.T. -0.01 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

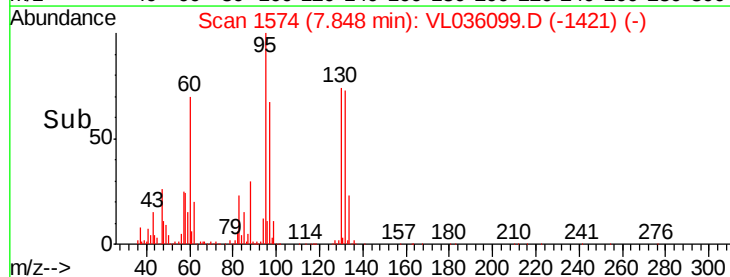
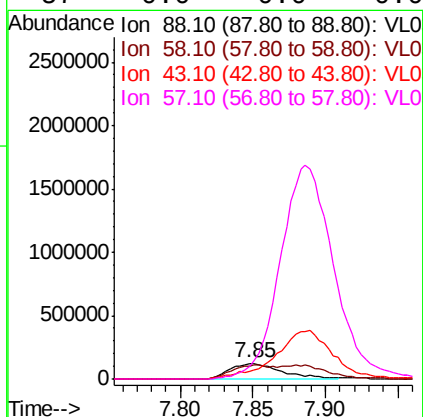
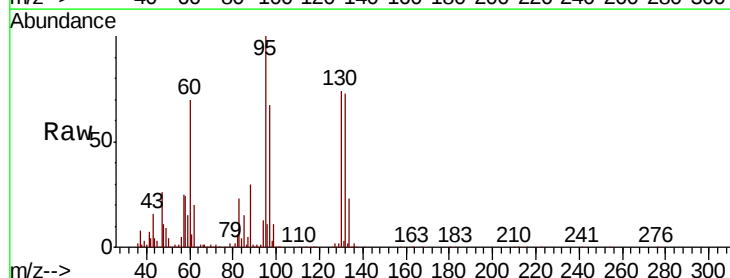
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABS01

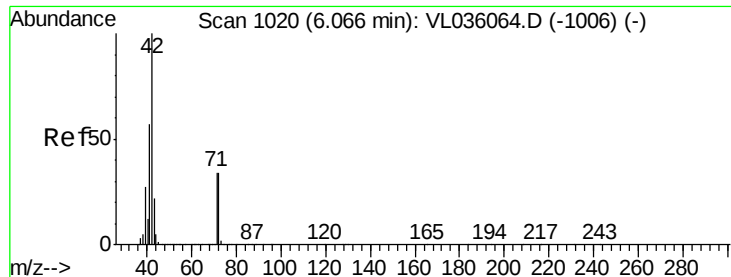
Tot Ion: 63 Resp: 993814
 Ion Ratio Lower Upper
 63 100
 41 79.4 61.9 92.9
 62 65.9 52.5 78.7



#40
 1,4-Dioxane
 Concen: 10.930 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Tgt Ion: 88 Resp: 306012
 Ion Ratio Lower Upper
 88 100
 58 61.7 122.6 184.0#
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0

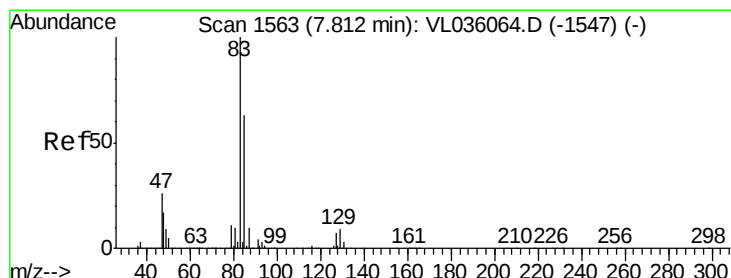
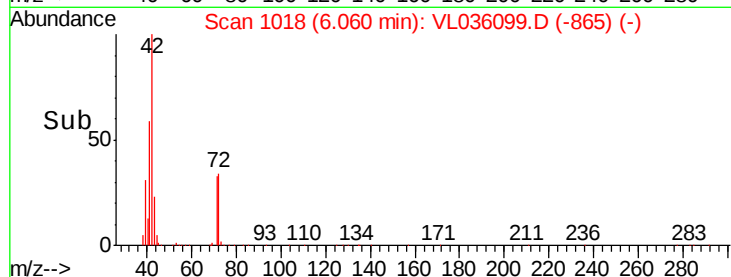
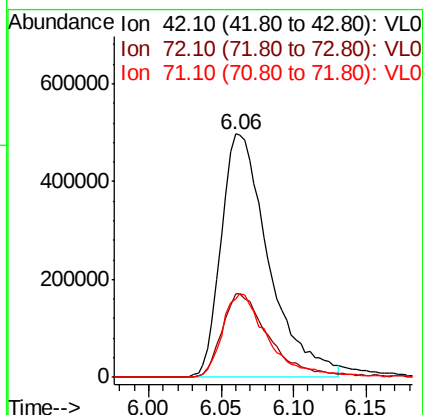
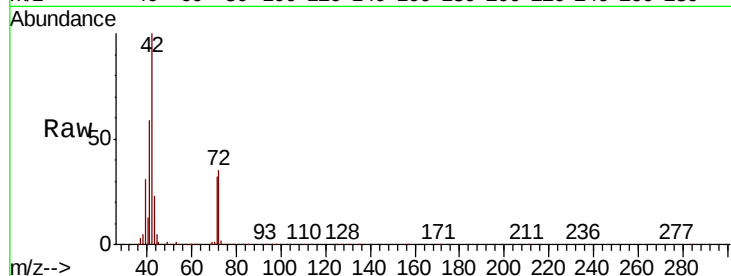




#41
Tetrahydrofuran
Concen: 10.787 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

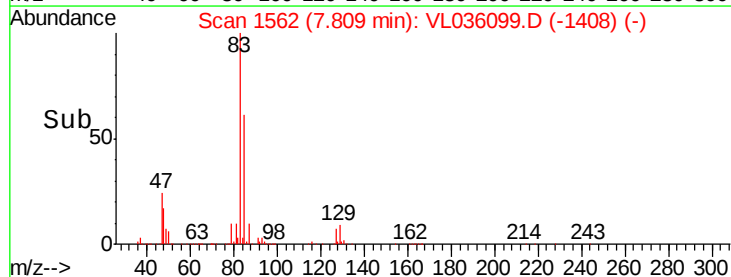
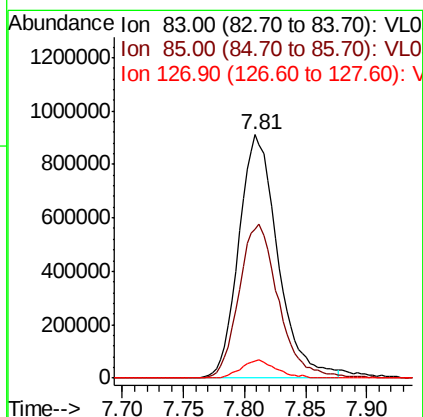
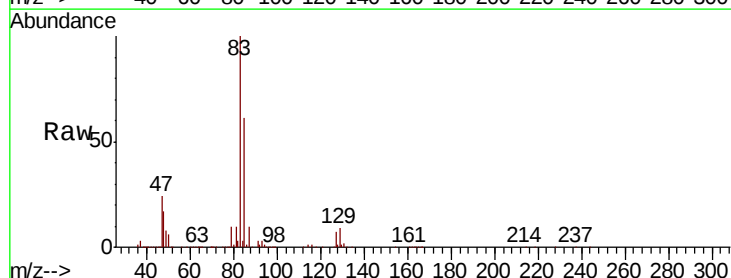
Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

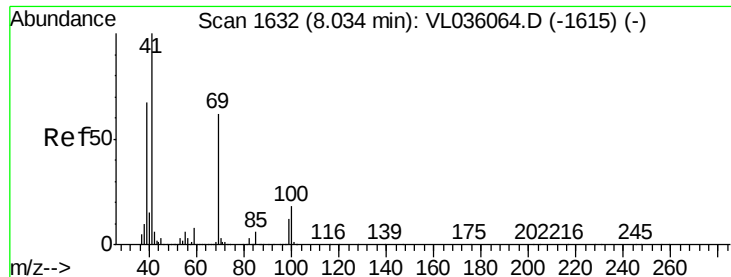
Tot Ion: 42 Resp: 1130550
Ion Ratio Lower Upper
42 100
72 35.4 28.3 42.5
71 34.0 27.3 40.9



#42
Bromodichloromethane
Concen: 11.588 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion: 83 Resp: 2016679
Ion Ratio Lower Upper
83 100
85 60.9 50.2 75.2
127 7.2 5.5 8.3

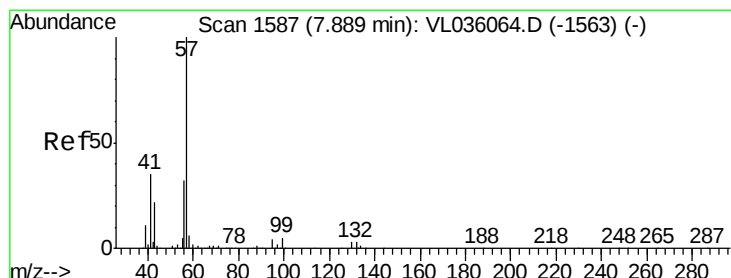
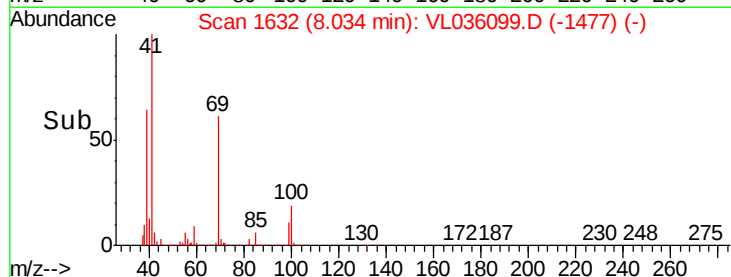
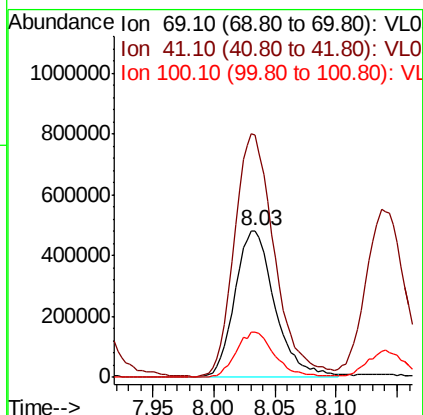
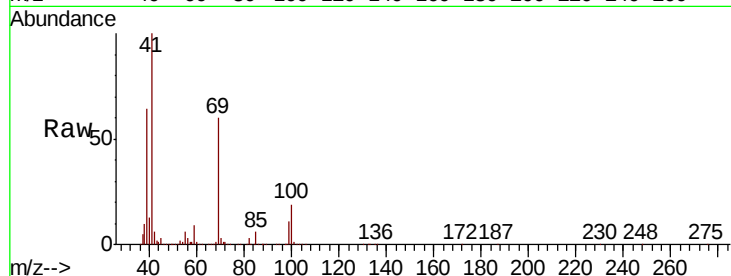




#43
Methyl Methacrylate
Concen: 11.330 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

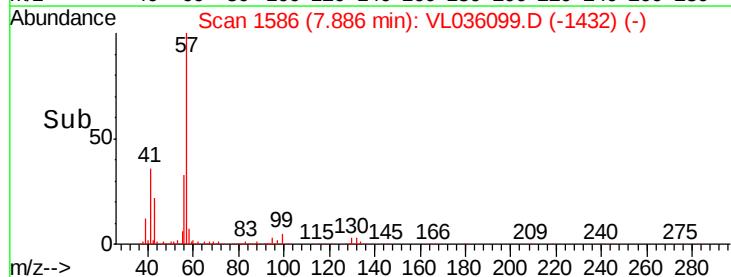
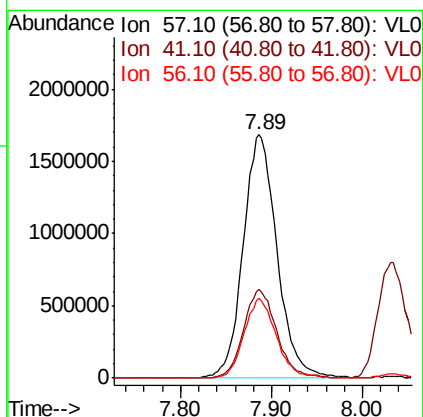
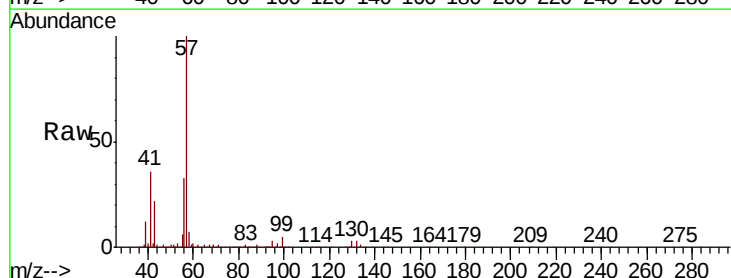
Instrument :
MSVOA_L
ClientSampleID :
VL1208ABS01

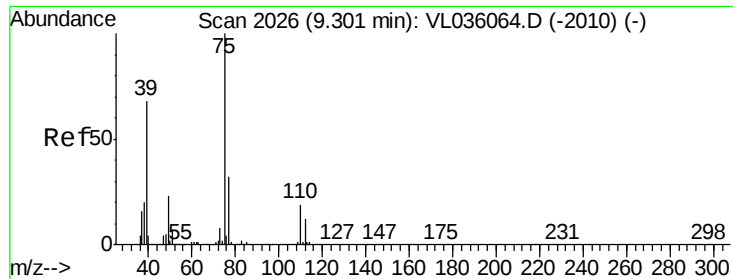
Tot Ion: 69 Resp: 1095541
Ion Ratio Lower Upper
69 100
41 166.6 133.0 199.6
100 29.9 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 10.670 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion: 57 Resp: 4355567
Ion Ratio Lower Upper
57 100
41 35.5 28.9 43.3
56 31.4 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 11.600 ppbv

RT: 9.30 min Scan# 2025

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

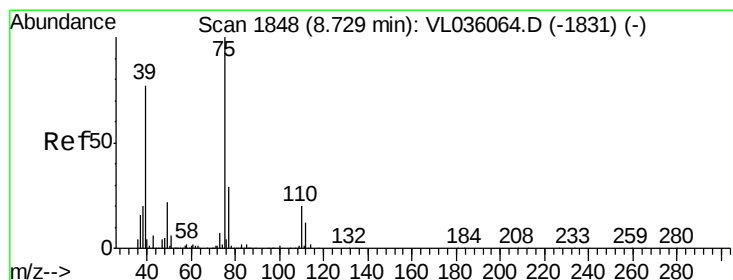
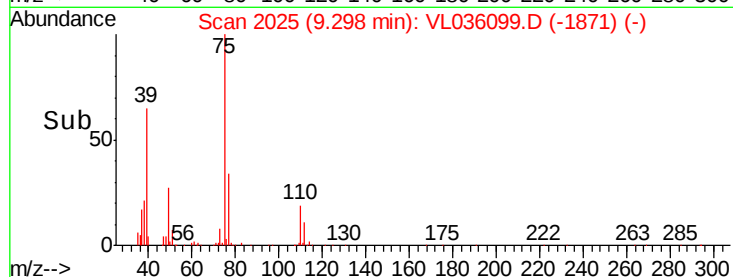
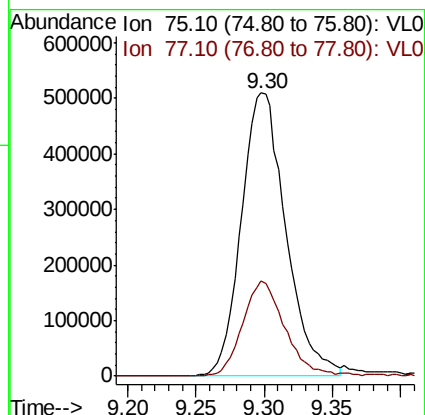
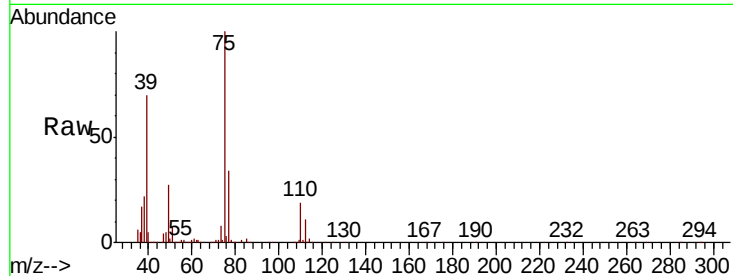
VL1208ABS01

Tot Ion: 75 Resp: 1152366

Ion Ratio Lower Upper

75 100

77 33.8 26.0 39.0



#46

cis-1,3-Dichloropropene

Concen: 11.333 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

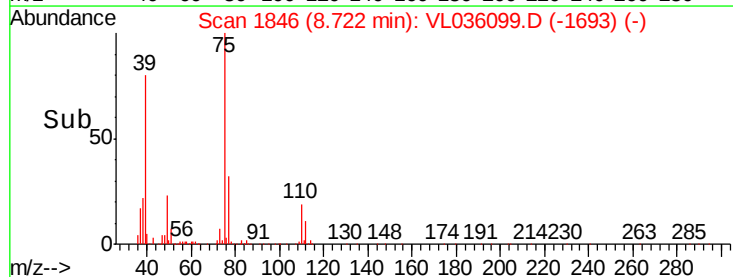
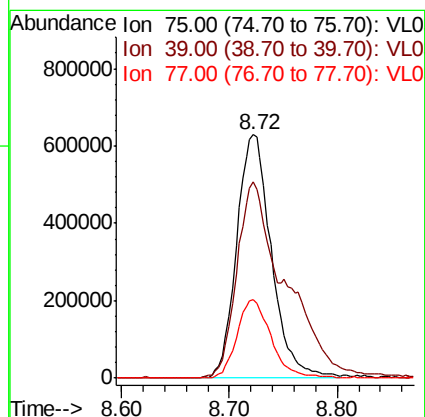
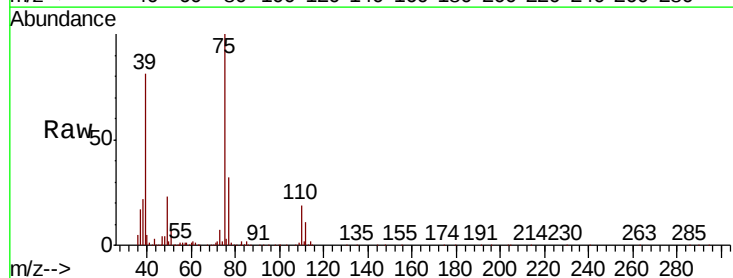
Tgt Ion: 75 Resp: 1411054

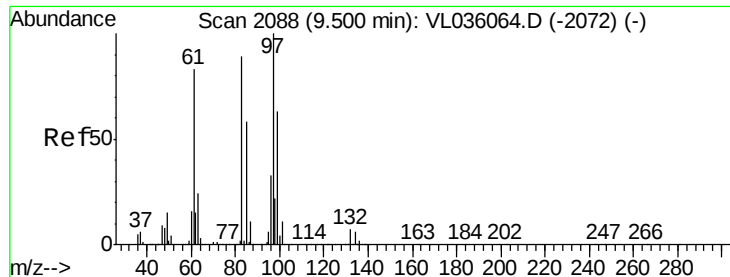
Ion Ratio Lower Upper

75 100

39 80.7 61.6 92.4

77 32.1 23.0 34.6

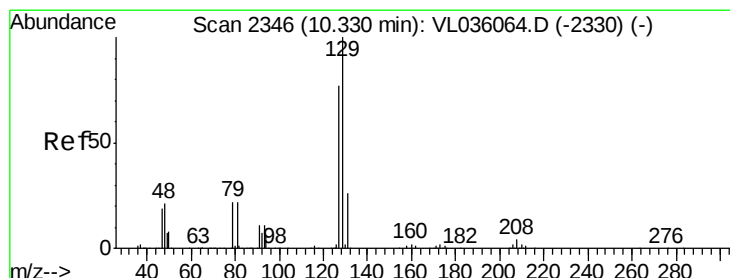
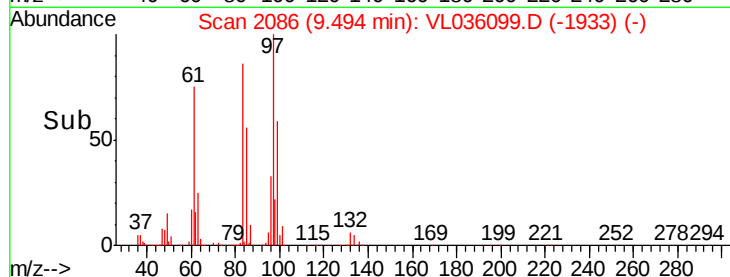
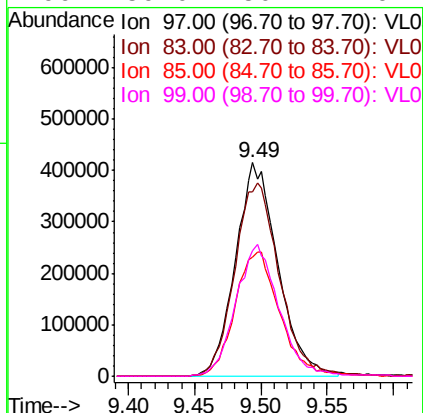
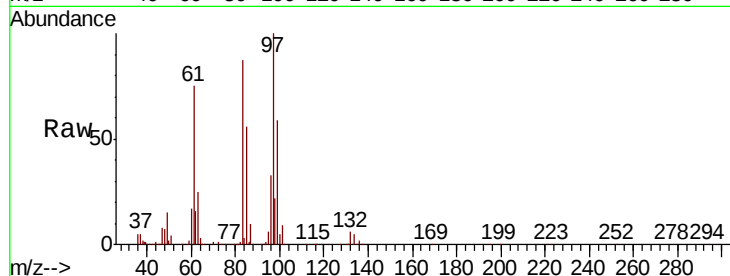




#47
 1,1,2-Trichloroethane
 Concen: 10.772 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. -0.01 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

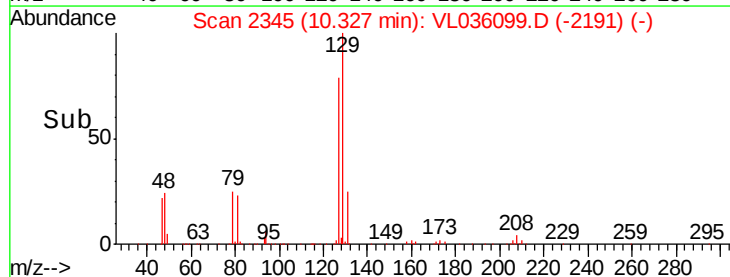
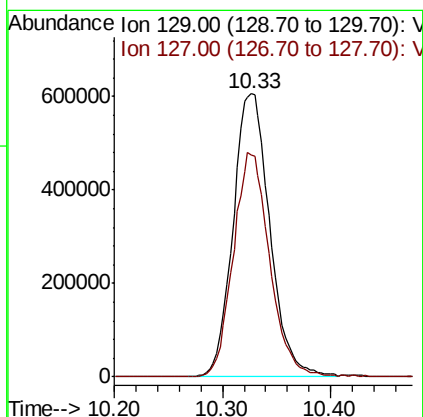
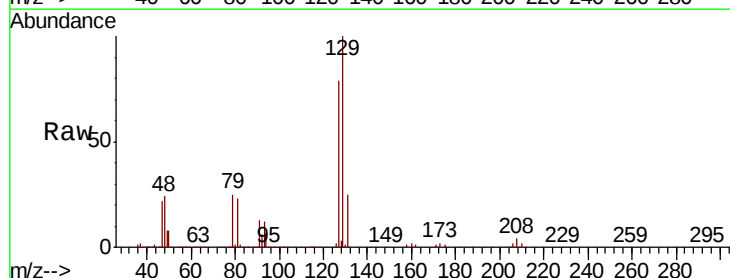
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABS01

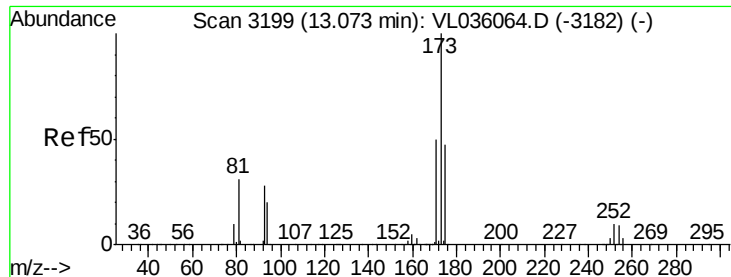
Tot Ion: 97 Resp: 922436
 Ion Ratio Lower Upper
 97 100
 83 86.3 71.4 107.2
 85 55.9 46.6 70.0
 99 59.0 50.7 76.1



#48
 Dibromochloromethane
 Concen: 11.139 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. -0.00 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Tgt Ion: 129 Resp: 1440505
 Ion Ratio Lower Upper
 129 100
 127 78.7 39.0 117.0





#49

Bromoform

Concen: 11.575 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

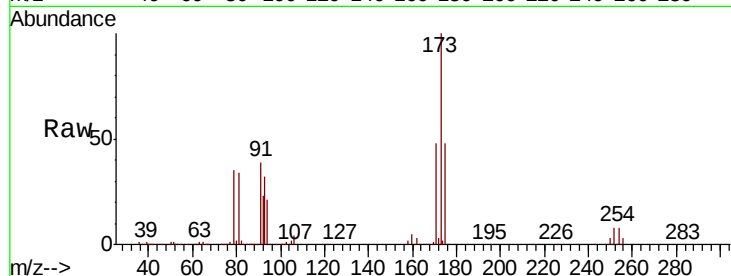
Tot Ion:173 Resp: 1178092

Ion Ratio Lower Upper

173 100

175 49.9 39.8 59.6

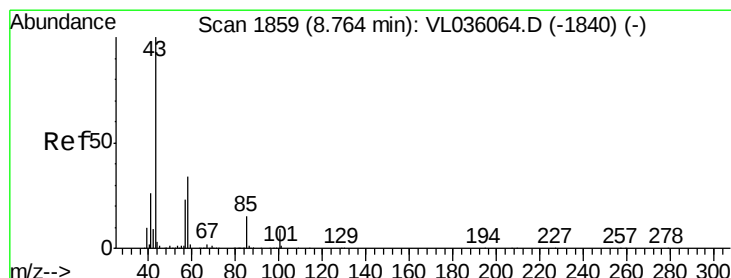
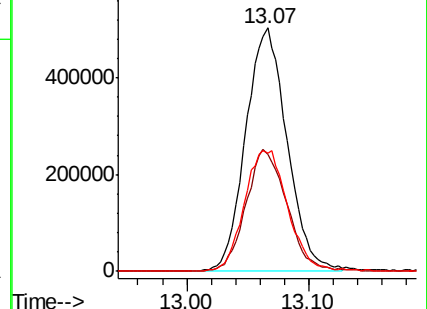
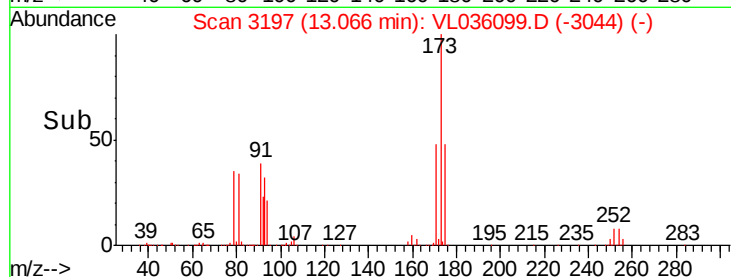
171 52.4 42.5 63.7



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: 11.179 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VL036099.D

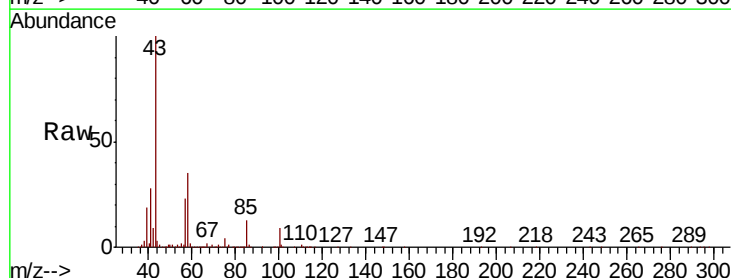
Acq: 8 Dec 2020 17:13

Tgt Ion: 43 Resp: 2941128

Ion Ratio Lower Upper

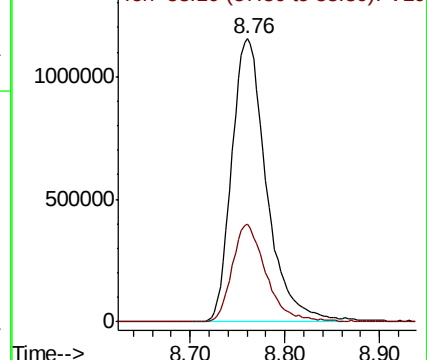
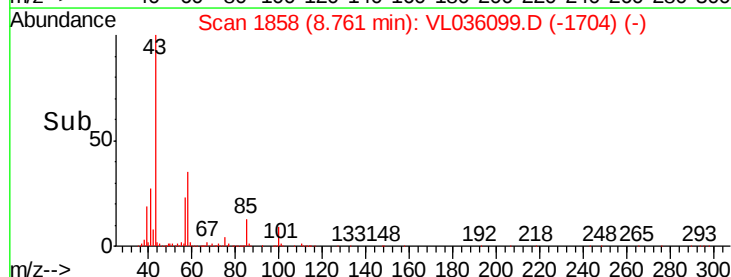
43 100

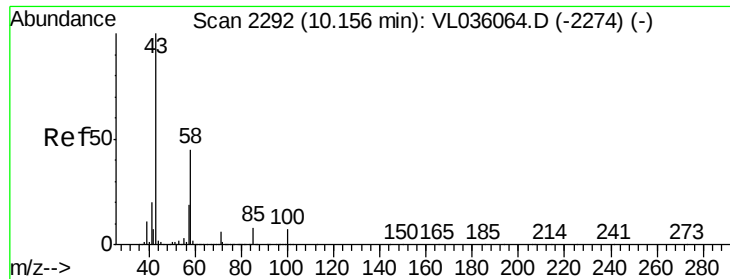
58 34.2 27.4 41.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

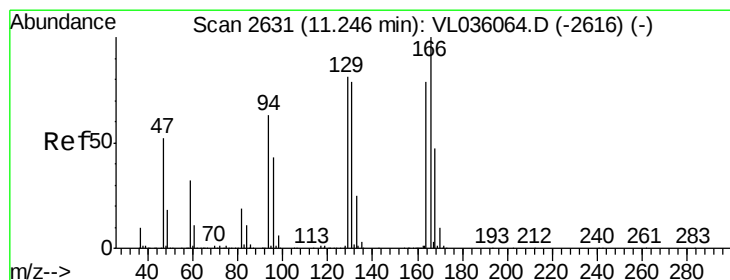
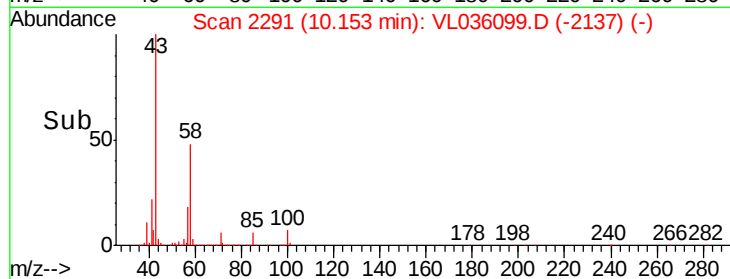
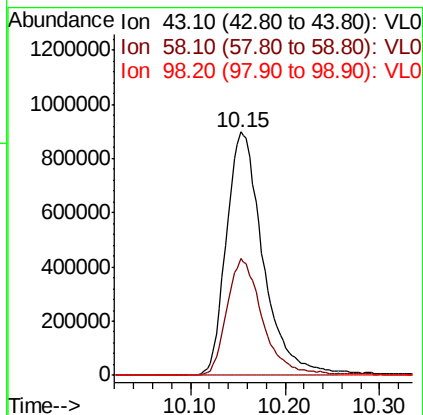
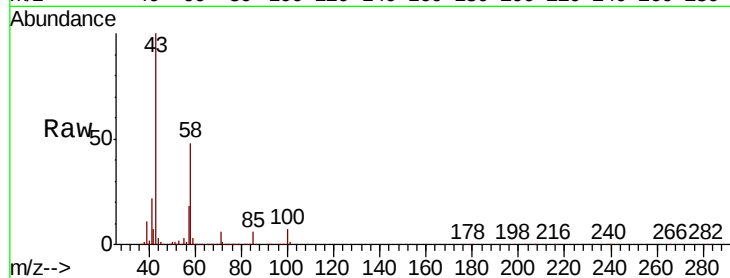




#51
2-Hexanone
Concen: 11.714 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

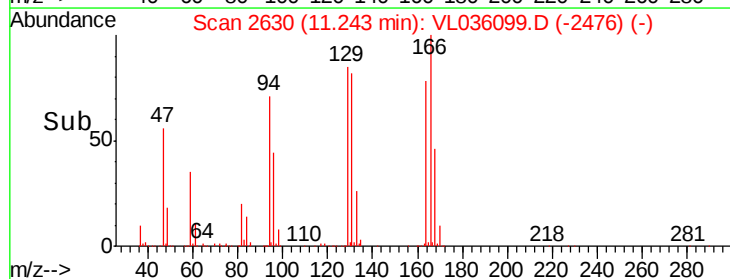
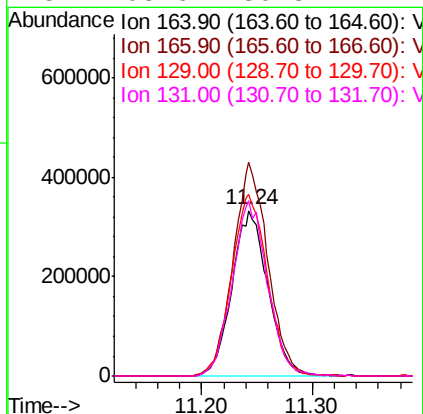
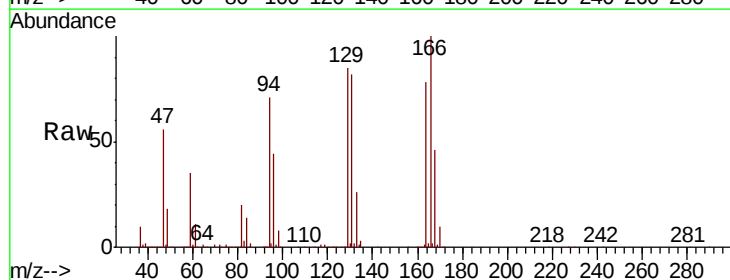
Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

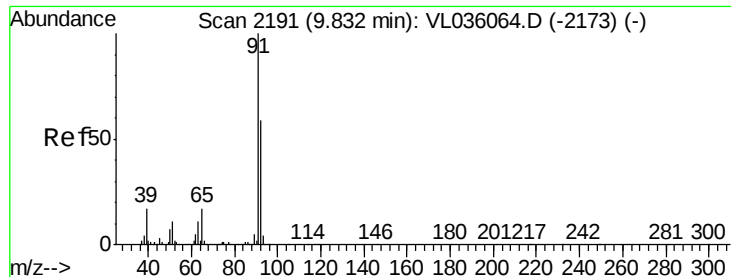
Tot Ion: 43 Resp: 2409094
Ion Ratio Lower Upper
43 100
58 47.4 38.7 58.1
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 9.147 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion: 164 Resp: 746314
Ion Ratio Lower Upper
164 100
166 128.6 101.9 152.9
129 109.4 82.1 123.1
131 105.6 80.8 121.2





#53

Toluene

Concen: 10.819 ppbv

RT: 9.82 min Scan# 2189

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

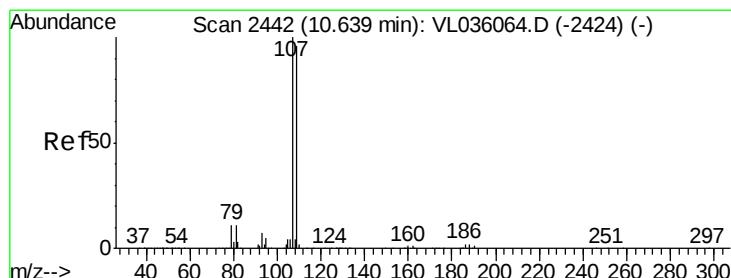
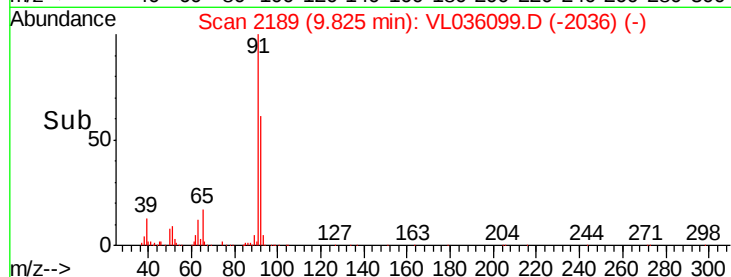
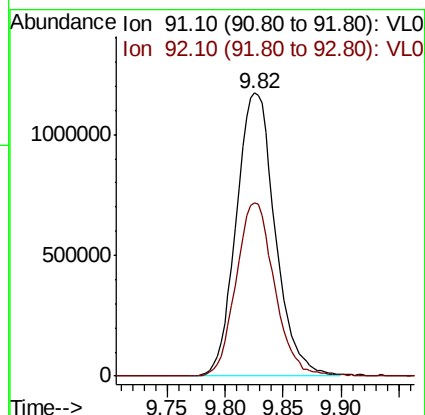
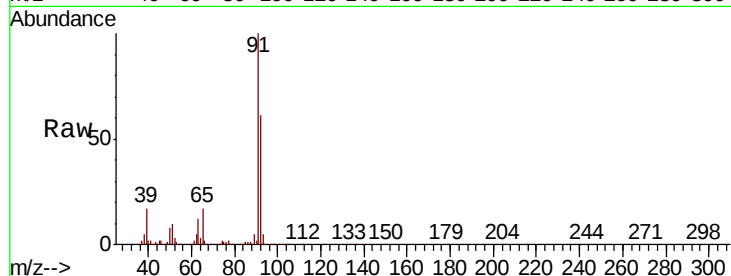
VL1208ABS01

Tot Ion: 91 Resp: 2738277

Ion Ratio Lower Upper

91 100

92 60.6 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.838 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. -0.00 min

Lab File: VL036099.D

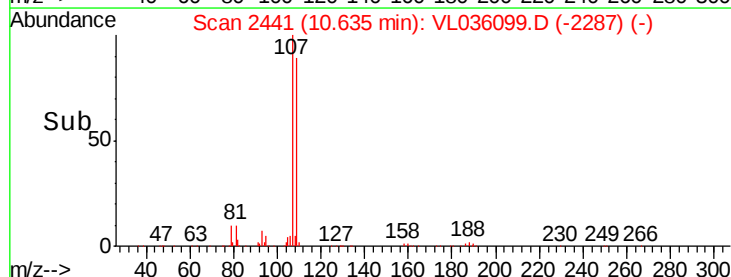
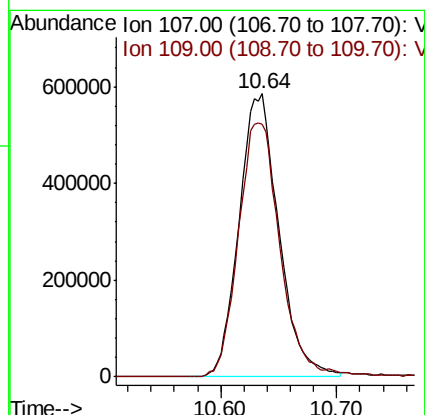
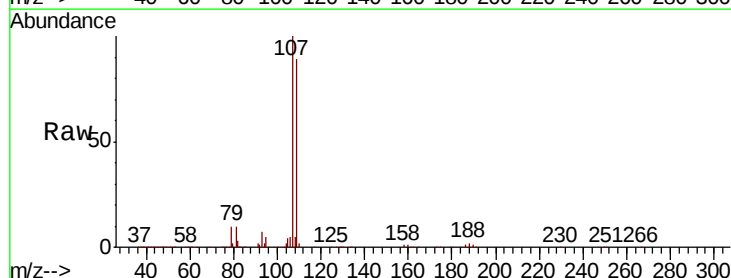
Acq: 8 Dec 2020 17:13

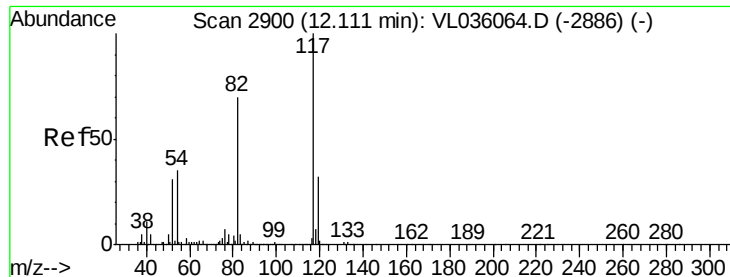
Tgt Ion: 107 Resp: 1391175

Ion Ratio Lower Upper

107 100

109 89.3 76.6 115.0

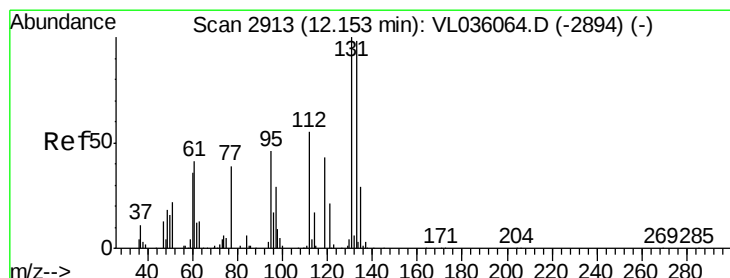
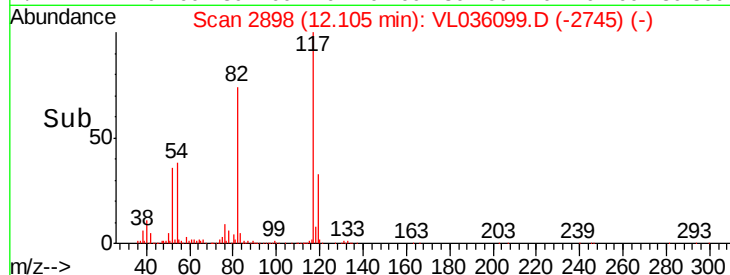
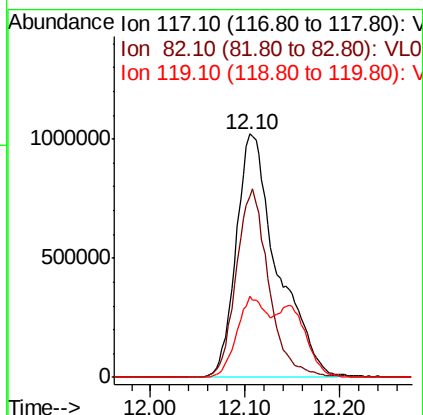
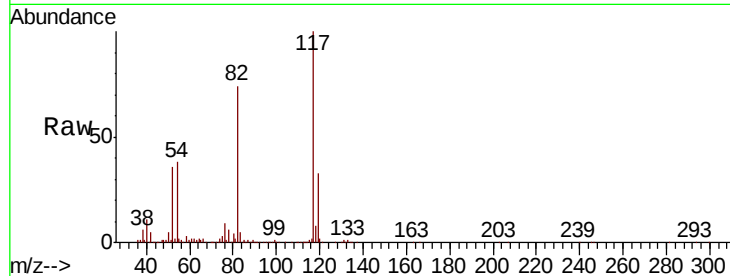




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

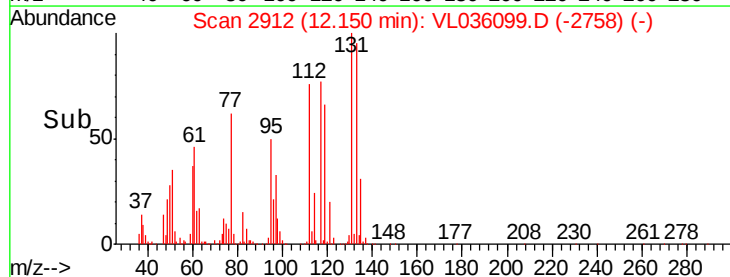
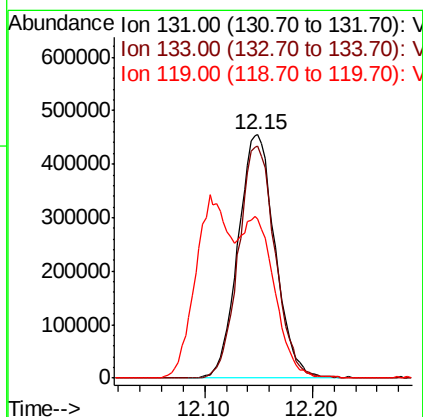
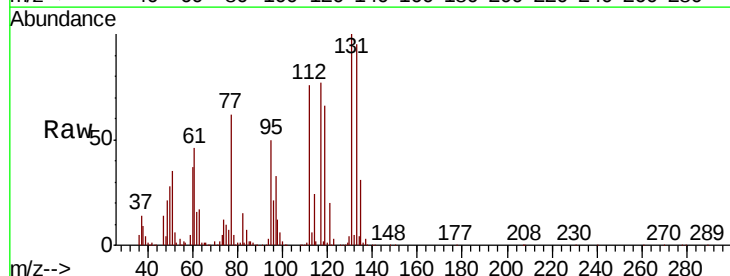
Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

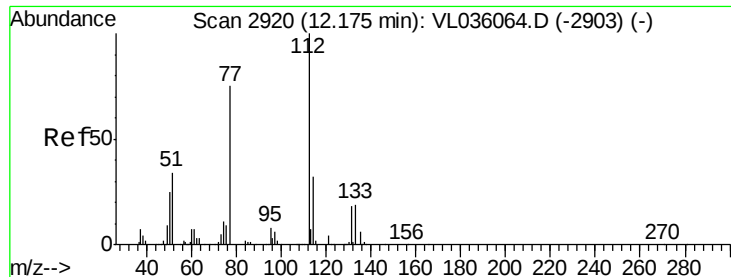
Tot Ion:117 Resp: 3095011
Ion Ratio Lower Upper
117 100
82 61.7 0.0 0.0#
119 24.3 0.0 0.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.437 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion:131 Resp: 1082715
Ion Ratio Lower Upper
131 100
133 94.9 77.7 116.5
119 59.3 51.6 77.4





#57

Chlorobenzene

Concen: 8.462 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

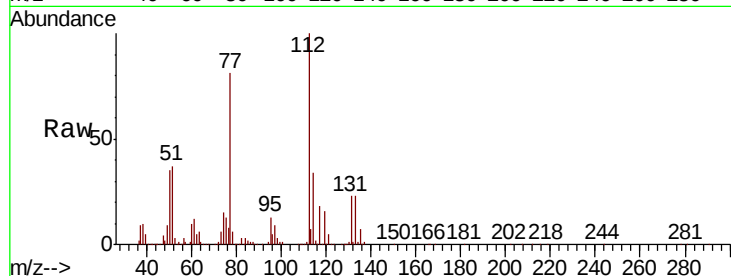
Tot Ion:112 Resp: 1838519

Ion Ratio Lower Upper

112 100

77 79.6 60.5 90.7

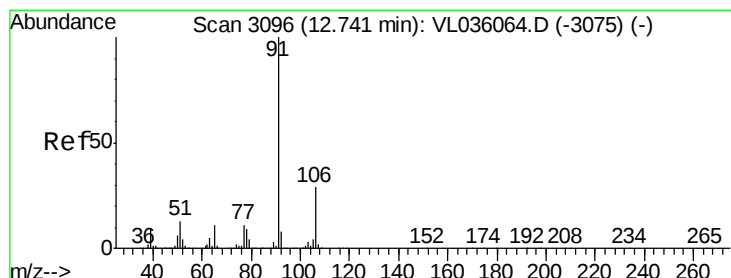
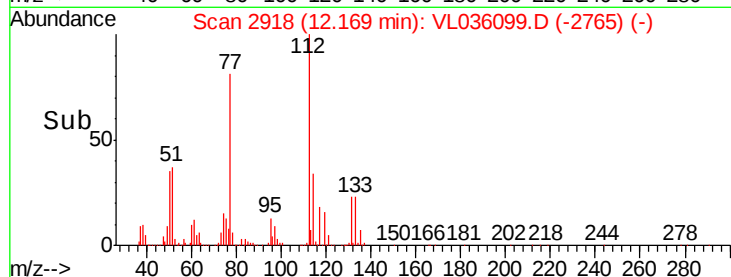
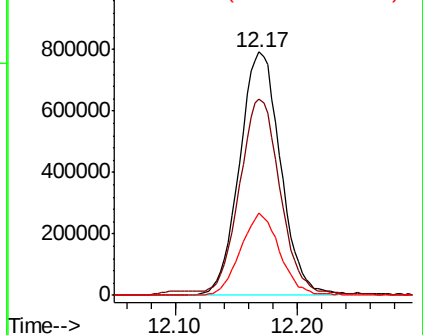
114 33.5 29.2 35.6



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: 8.898 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. -0.01 min

Lab File: VL036099.D

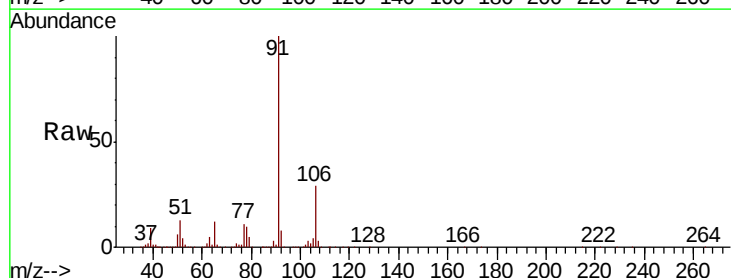
Acq: 8 Dec 2020 17:13

Tgt Ion: 91 Resp: 3774176

Ion Ratio Lower Upper

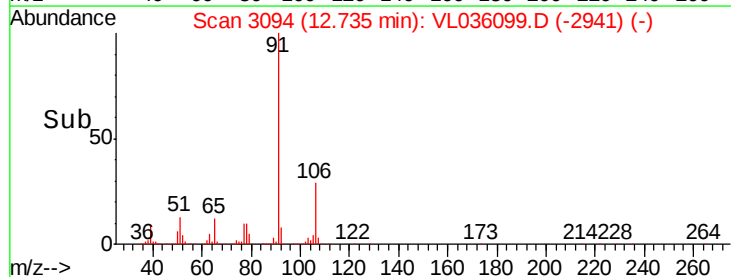
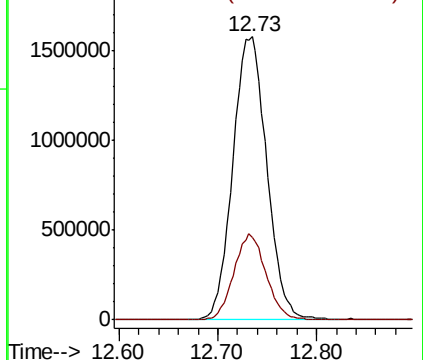
91 100

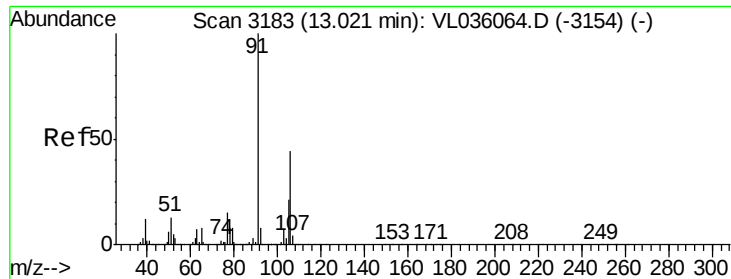
106 29.0 23.0 34.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.985 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

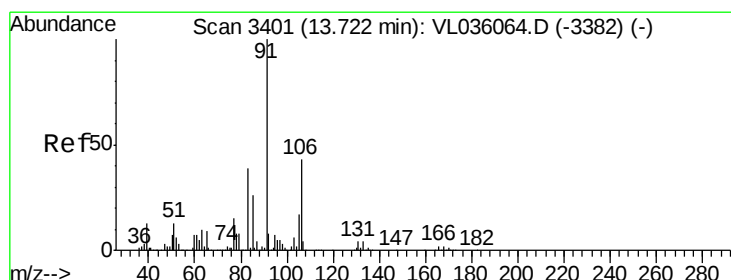
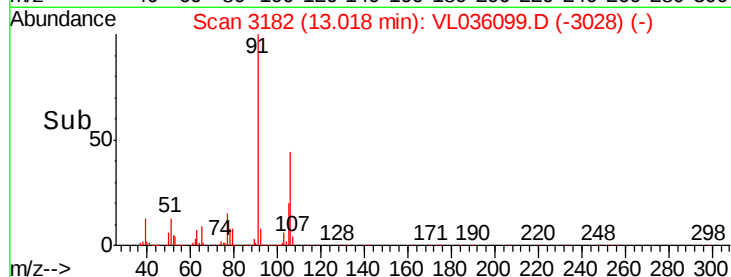
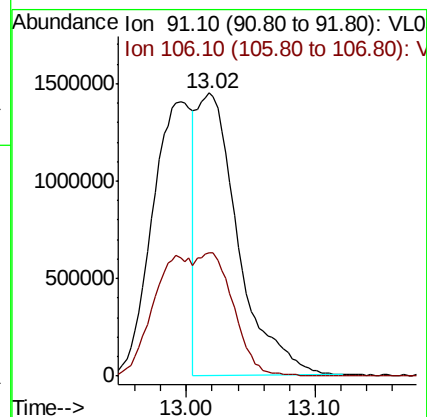
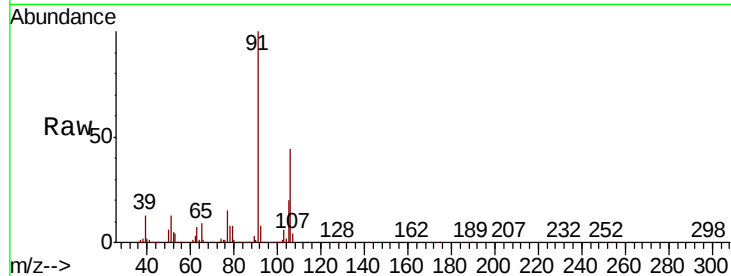
VL1208ABS01

Tot Ion: 91 Resp: 3209925

Ion Ratio Lower Upper

91 100

106 80.0 33.6 50.4#



#60

o-Xylene

Concen: 8.714 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. -0.01 min

Lab File: VL036099.D

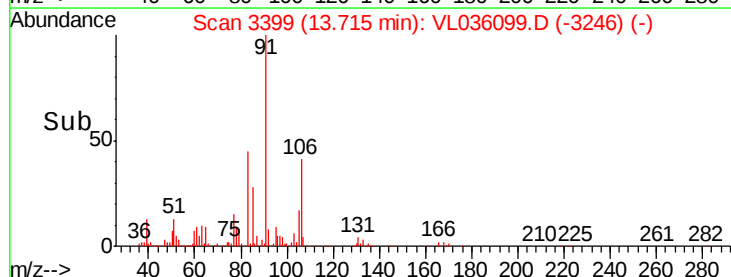
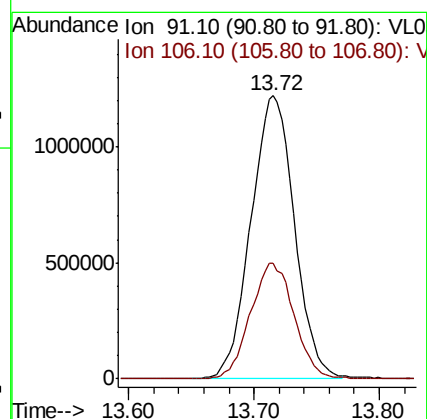
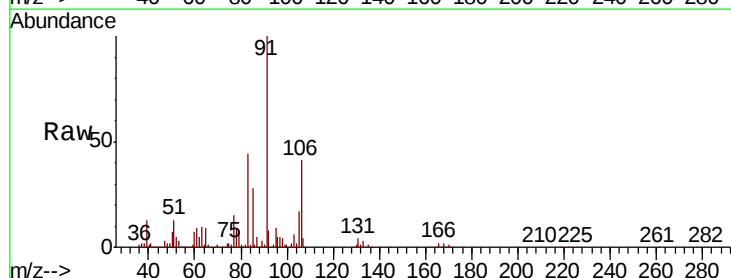
Acq: 8 Dec 2020 17:13

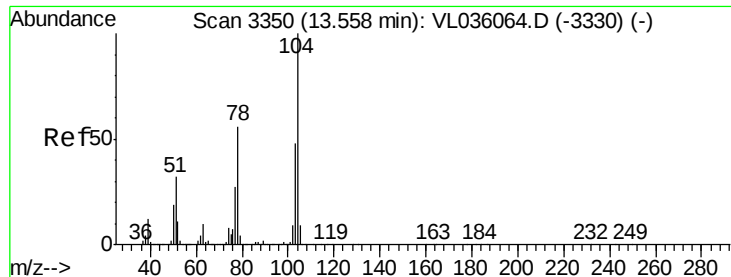
Tgt Ion: 91 Resp: 2932890

Ion Ratio Lower Upper

91 100

106 41.4 21.6 64.6





#61

Stvrene

Concen: 9.404 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

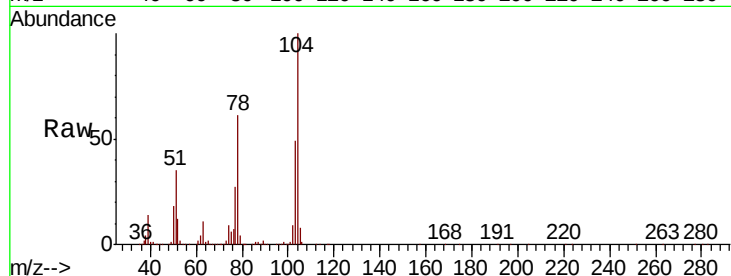
Tot Ion:104 Resp: 2032093

Ion Ratio Lower Upper

104 100

78 60.6 45.8 68.8

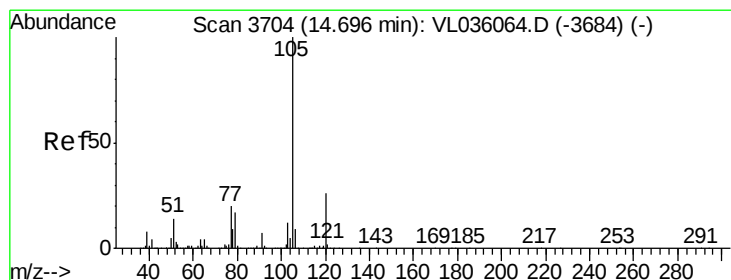
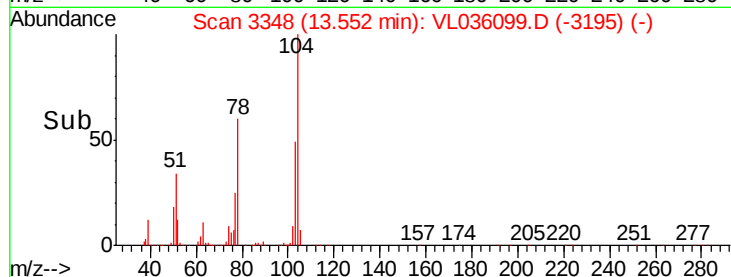
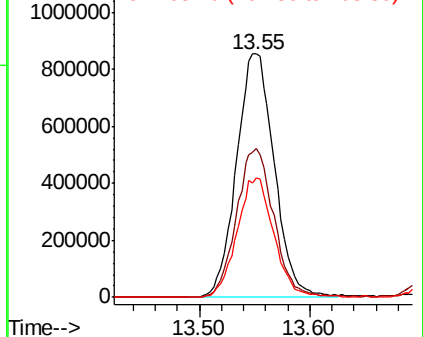
103 48.0 38.6 57.8



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: 8.522 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. -0.01 min

Lab File: VL036099.D

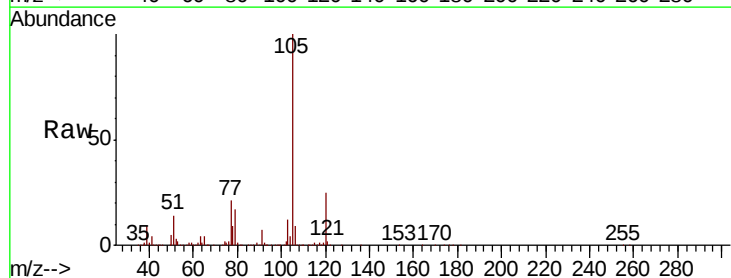
Acq: 8 Dec 2020 17:13

Tgt Ion:105 Resp: 4251906

Ion Ratio Lower Upper

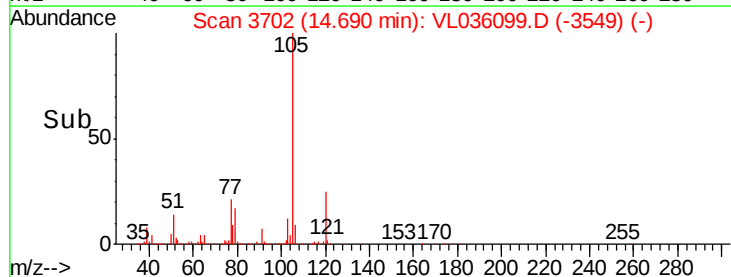
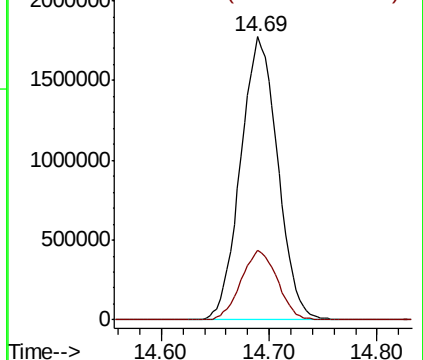
105 100

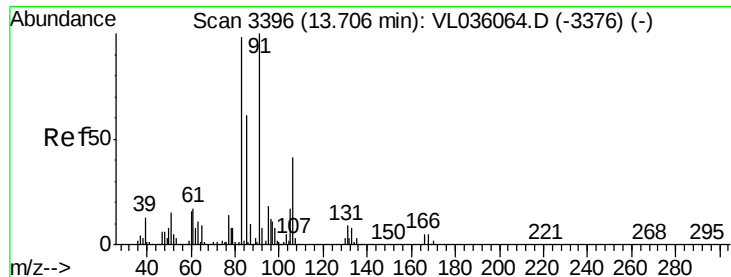
120 24.2 20.1 30.1



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: 8.874 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

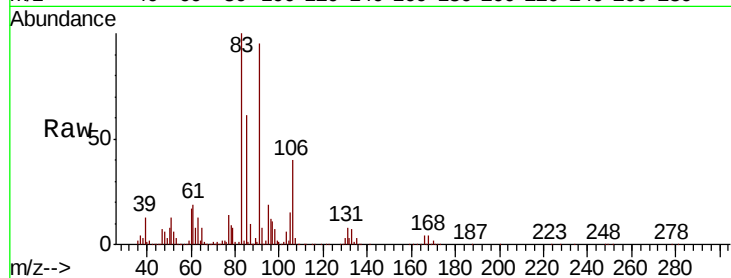
MSVOA_L

ClientSampleId :

VL1208ABS01

Tot Ion: 83 Resp: 2011581

Ion	Ratio	Lower	Upper
83	100		
131	8.2	4.6	13.8
85	65.0	32.5	97.5

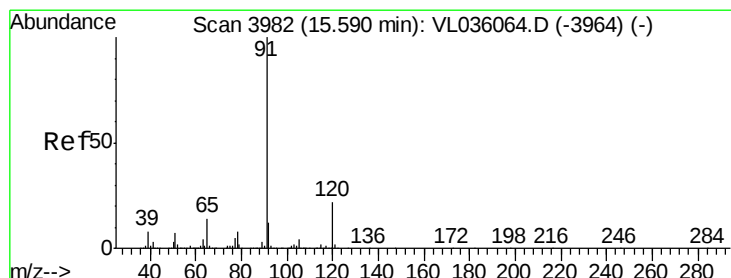
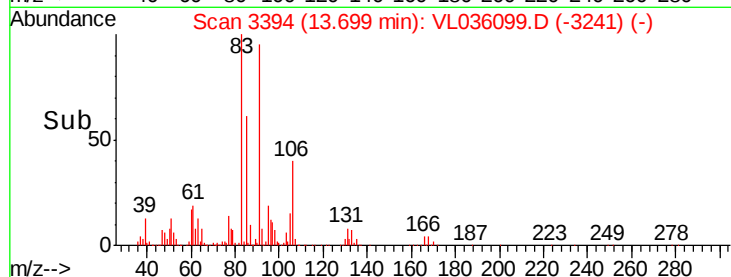
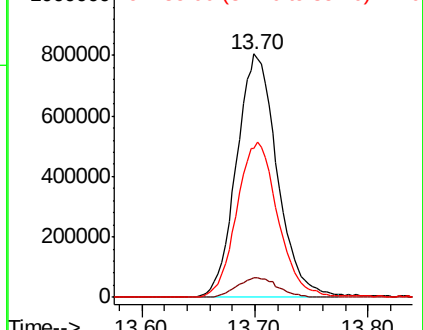


Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.698 ppbv

RT: 15.58 min Scan# 3979

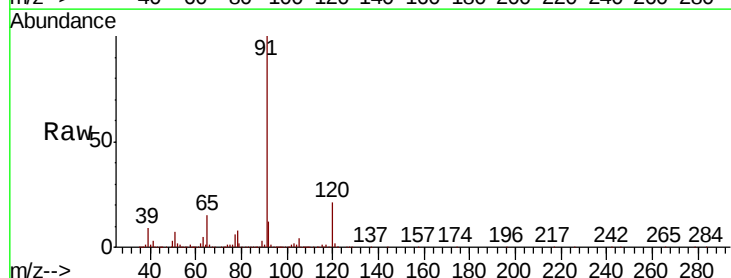
Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Tgt Ion:120 Resp: 1044071

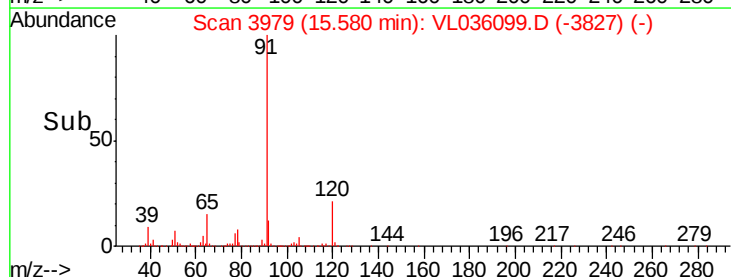
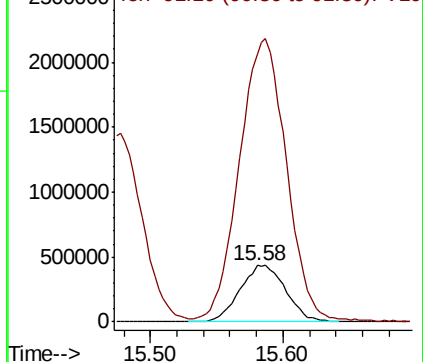
Ion	Ratio	Lower	Upper
120	100		
91	516.7	388.9	583.3

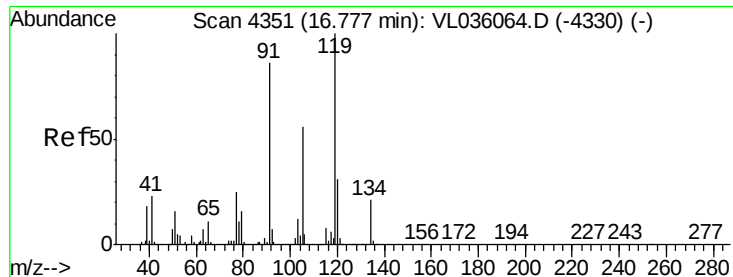


Abundance

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

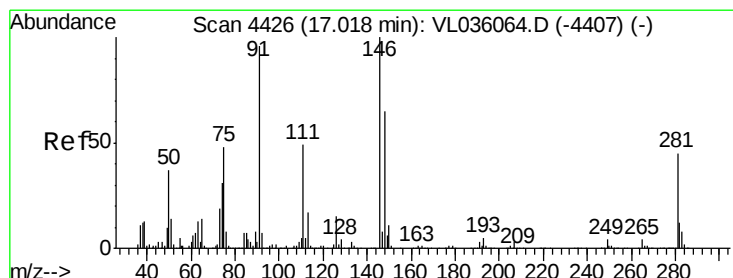
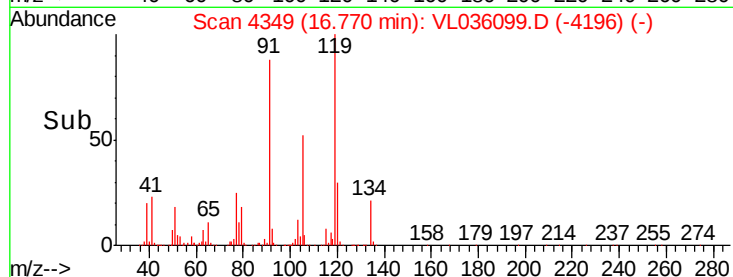
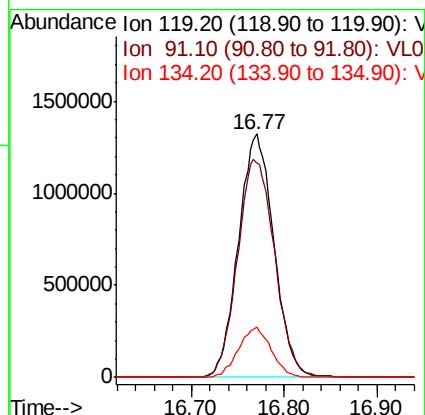
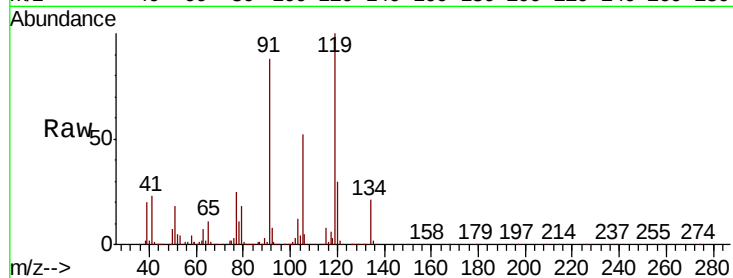




#65
tert-Butylbenzene
Concen: 8.569 ppbv
RT: 16.77 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

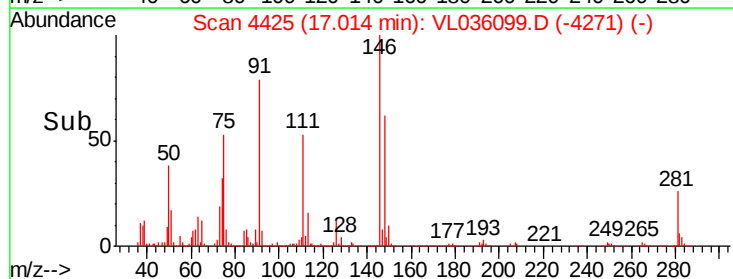
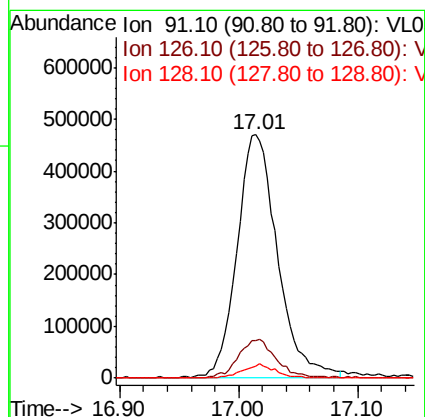
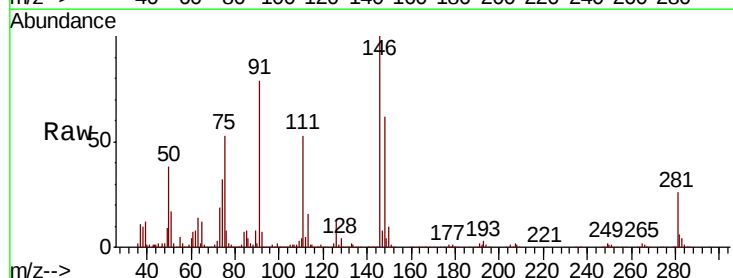
Instrument :
MSVOA_L
ClientSampleId :
VL1208ABS01

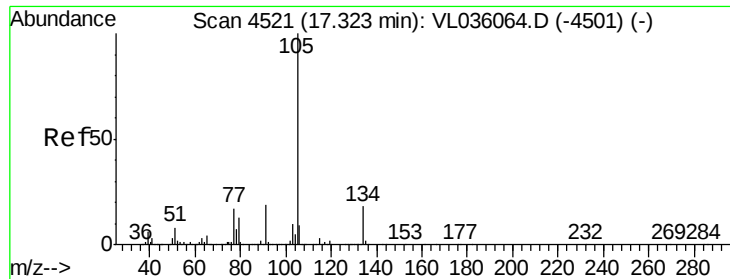
Tot Ion:119 Resp: 3499441
Ion Ratio Lower Upper
119 100
91 93.8 70.2 105.2
134 19.1 15.8 23.6



#66
Benzyl Chloride
Concen: 10.777 ppbv
RT: 17.01 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL036099.D
Acq: 8 Dec 2020 17:13

Tgt Ion: 91 Resp: 1095874
Ion Ratio Lower Upper
91 100
126 15.5 13.5 20.3
128 4.8 4.4 6.6





#67

sec-Butylbenzene

Concen: 8.925 ppbv

RT: 17.32 min Scan# 4520

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

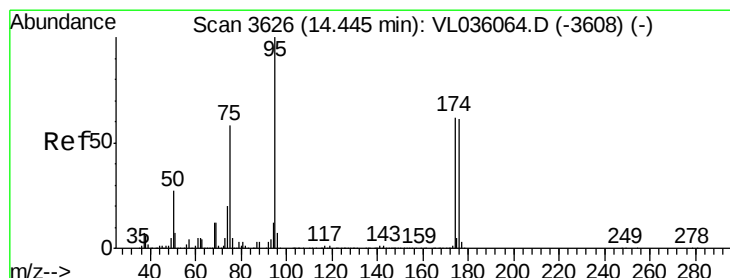
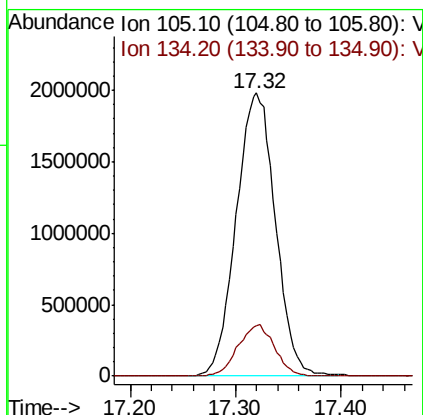
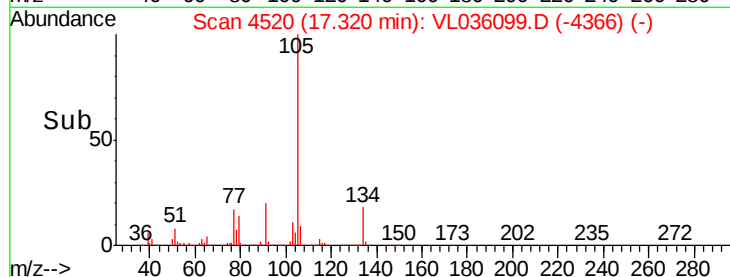
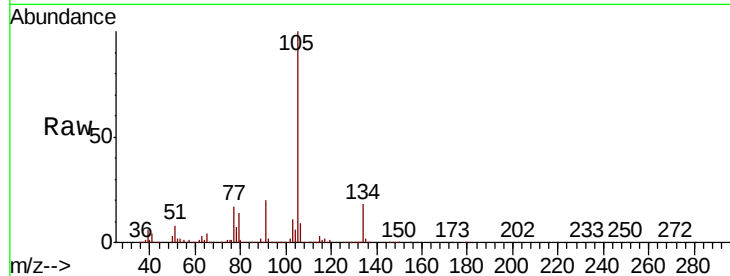
VL1208ABS01

Tot Ion:105 Resp: 5100984

Ion Ratio Lower Upper

105 100

134 17.2 14.2 21.4



#68

1-Bromo-4-Fluorobenzene

Concen: 8.582 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

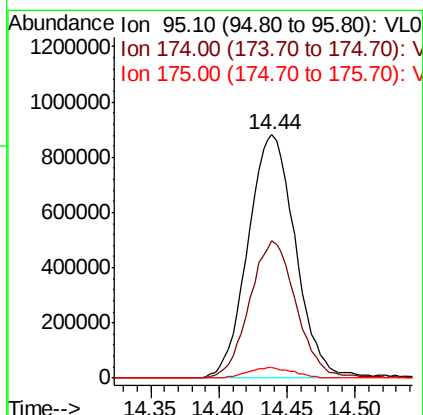
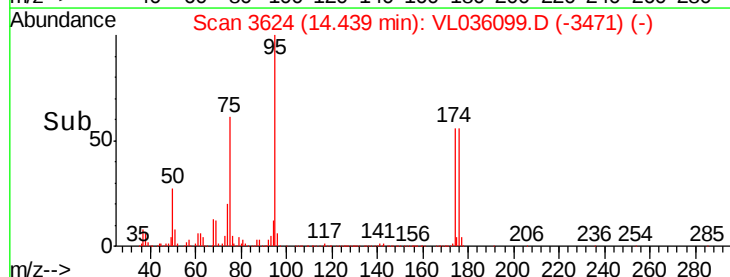
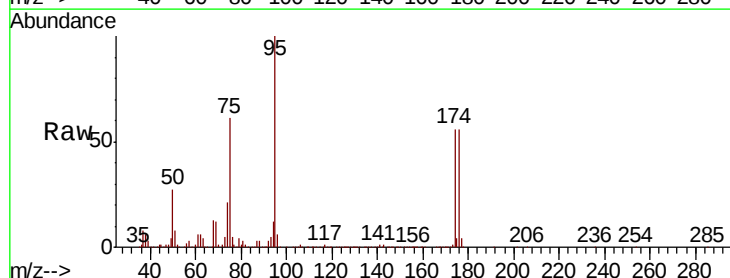
Tgt Ion: 95 Resp: 2109133

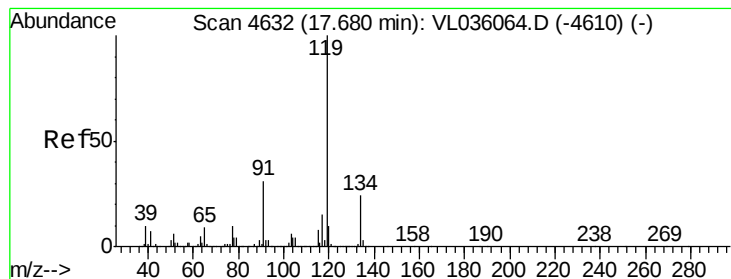
Ion Ratio Lower Upper

95 100

174 56.7 50.7 76.1

175 4.2 4.0 6.0





#69

p-Isopropyltoluene

Concen: 8.854 ppbv

RT: 17.68 min Scan# 4631

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

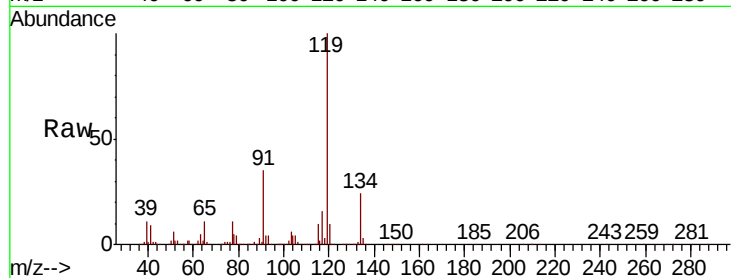
MSVOA_L

ClientSampleId :

VL1208ABS01

Tot Ion:119 Resp: 4025247

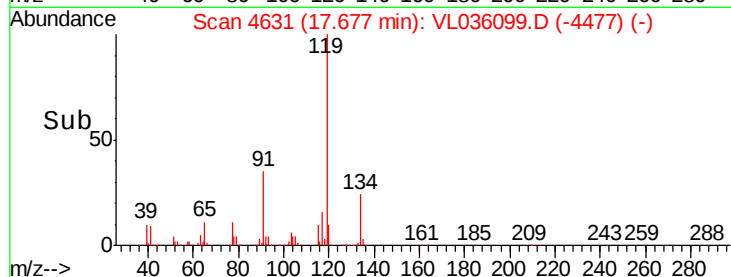
Ion	Ratio	Lower	Upper
119	100		
134	24.1	19.8	29.6
91	34.5	25.8	38.6



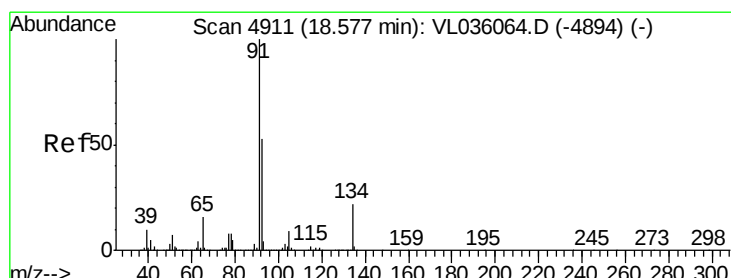
Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



Time-->



#70

n-Butylbenzene

Concen: 9.917 ppbv

RT: 18.58 min Scan# 4911

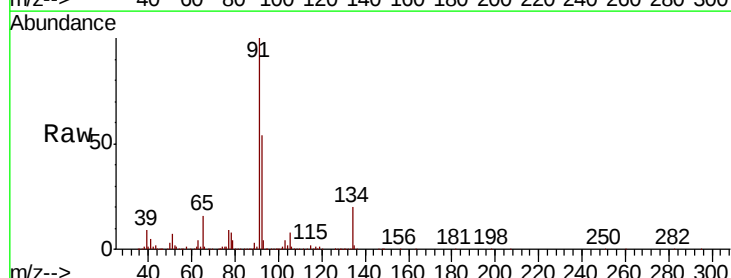
Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Tgt Ion: 91 Resp: 4456083

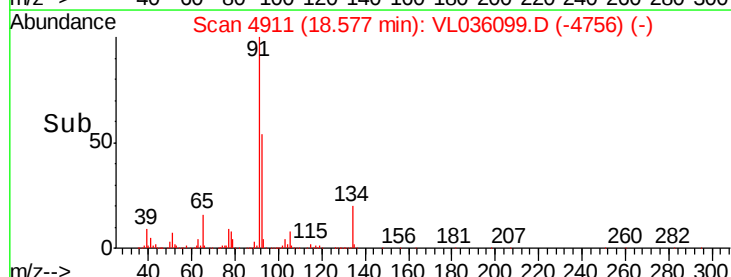
Ion	Ratio	Lower	Upper
91	100		
92	53.9	43.3	64.9
134	20.0	17.1	25.7



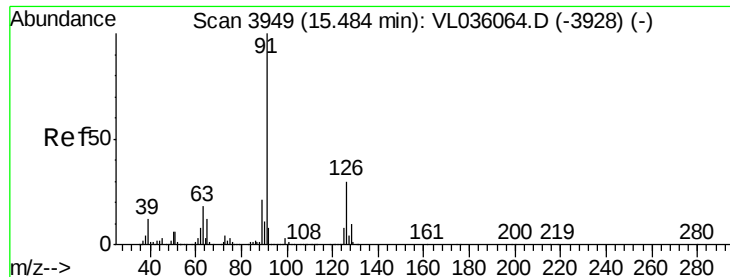
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V



Time-->



#71

2-Chlorotoluene

Concen: 9.261 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

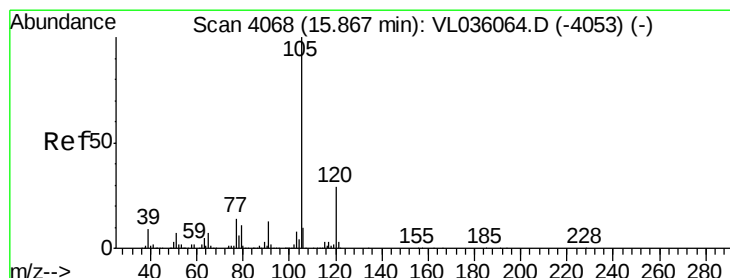
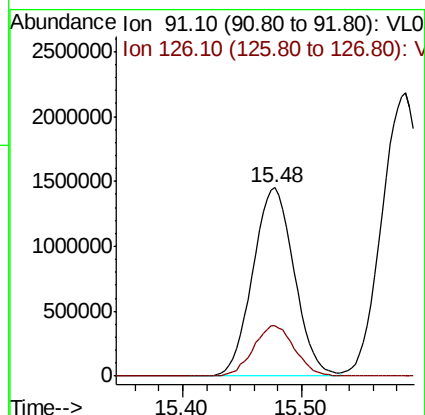
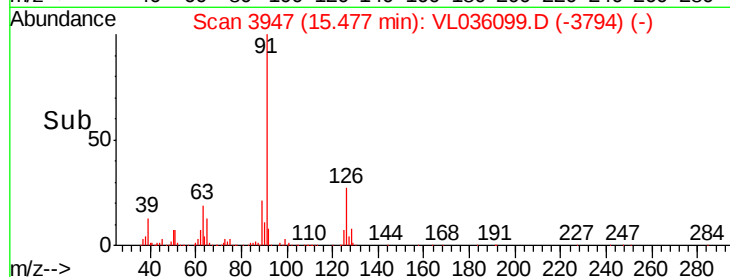
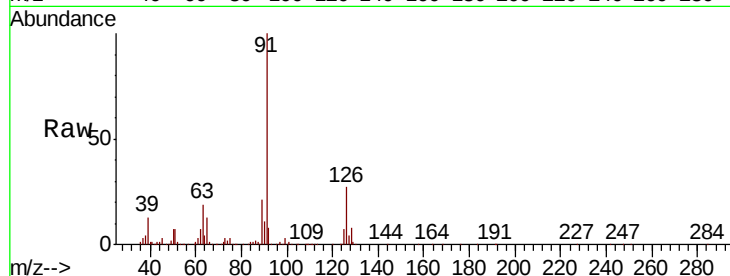
VL1208ABS01

Tot Ion: 91 Resp: 3492694

Ion Ratio Lower Upper

91 100

126 26.8 11.6 46.4



#72

4-Ethyltoluene

Concen: 9.143 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Tgt Ion:105 Resp: 3333395

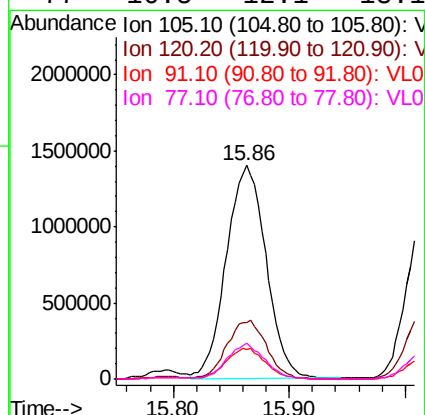
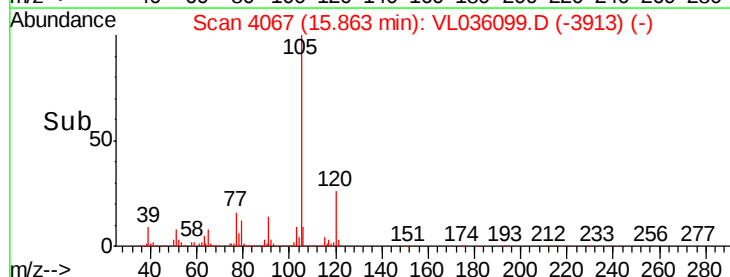
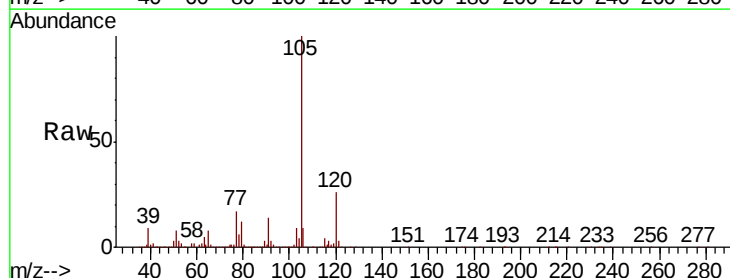
Ion Ratio Lower Upper

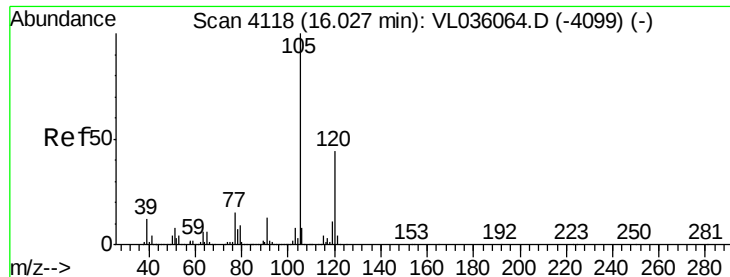
105 100

120 27.5 23.6 35.4

91 14.3 11.4 17.0

77 16.5 12.1 18.1





#73

1,3,5-Trimethylbenzene

Concen: 8.963 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

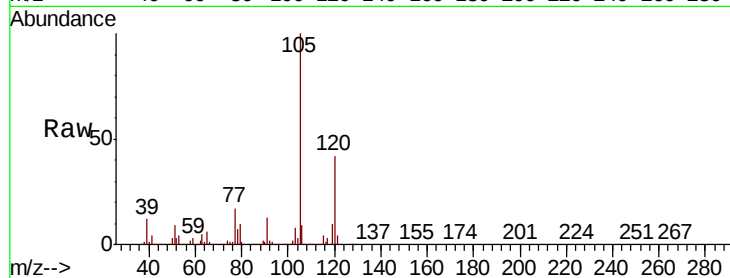
VL1208ABS01

Tot Ion:105 Resp: 3121178

Ion Ratio Lower Upper

105 100

120 42.1 35.4 53.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1500000

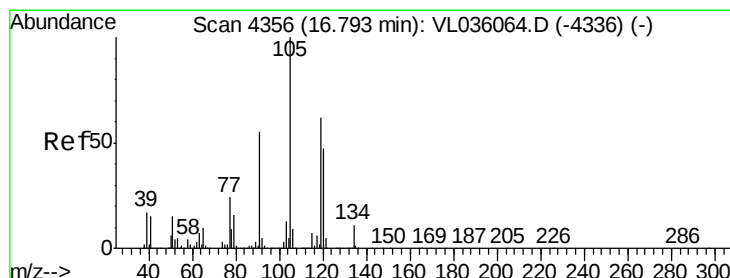
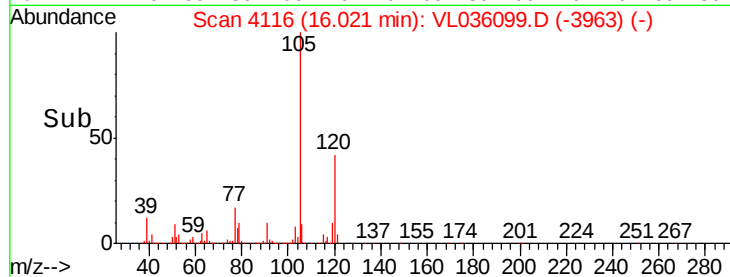
1000000

500000

0

15.95 16.02 16.05 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.917 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Tgt Ion:105 Resp: 3117056

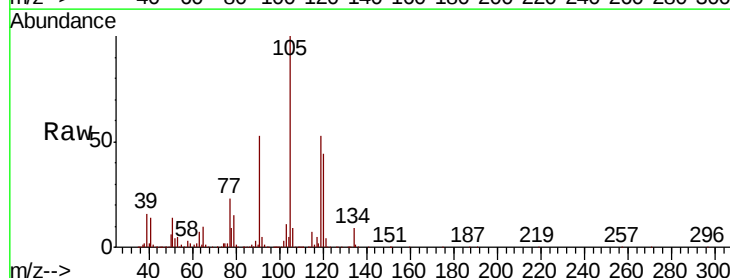
Ion Ratio Lower Upper

105 100

120 44.1 37.4 56.0

91 52.7 45.6 68.4

77 22.9 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

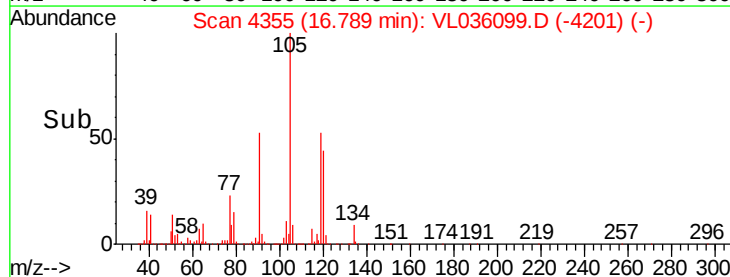
1000000

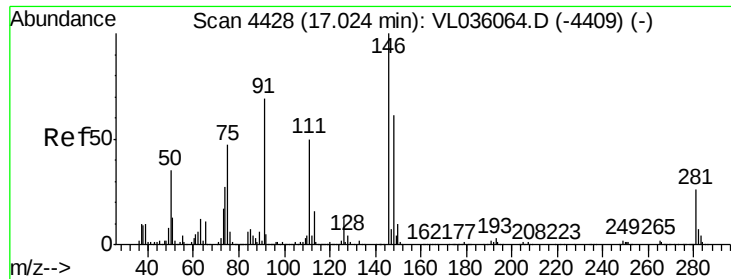
500000

0

16.70 16.79 16.80

Time-->





#75

1,3-Dichlorobenzene

Concen: 9.028 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

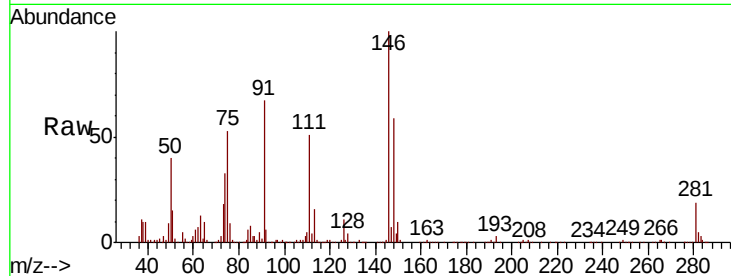
Tot Ion:146 Resp: 1579718

Ion Ratio Lower Upper

146 100

111 51.8 25.1 75.3

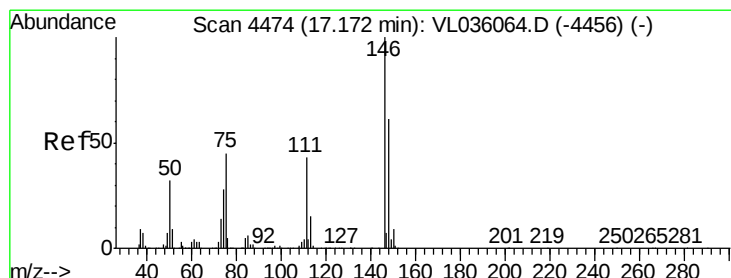
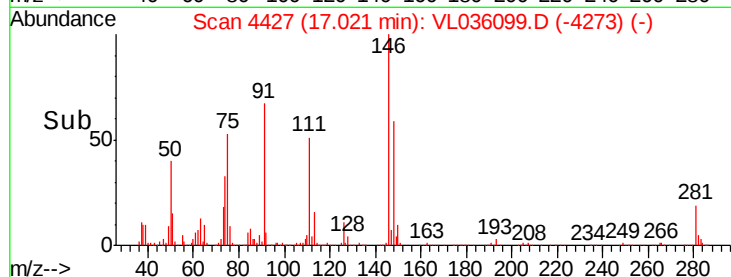
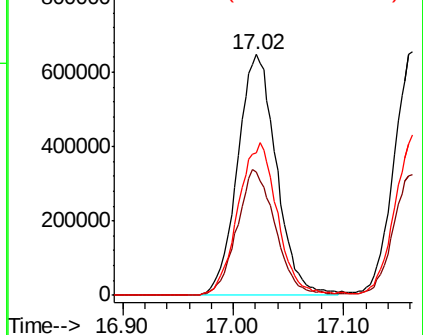
148 64.5 32.9 98.6



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



#76

1,4-Dichlorobenzene

Concen: 8.679 ppbv

RT: 17.16 min Scan# 4471

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

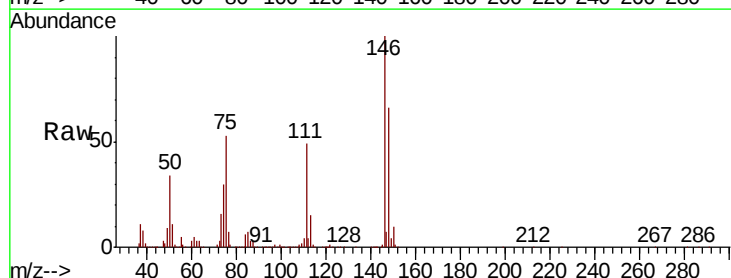
Tgt Ion:146 Resp: 1546118

Ion Ratio Lower Upper

146 100

111 52.7 24.3 72.8

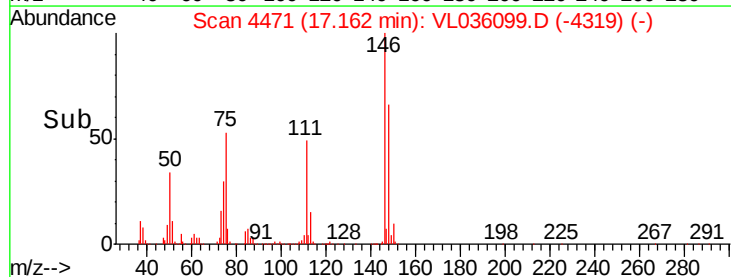
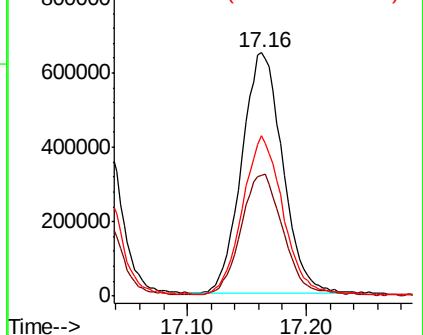
148 66.8 32.8 98.3

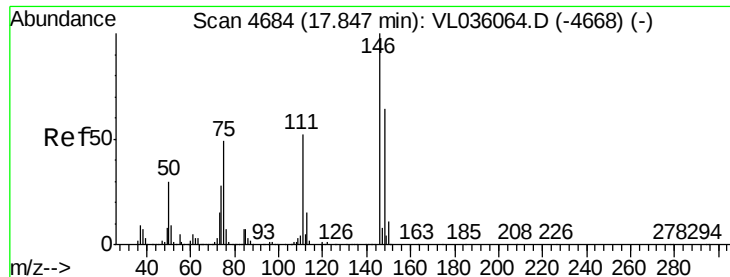


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

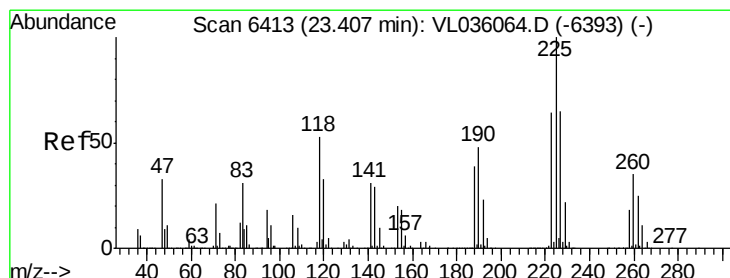
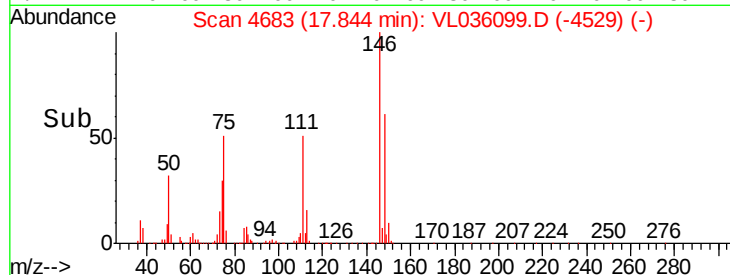
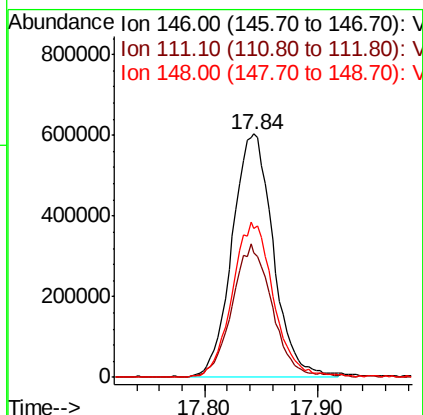
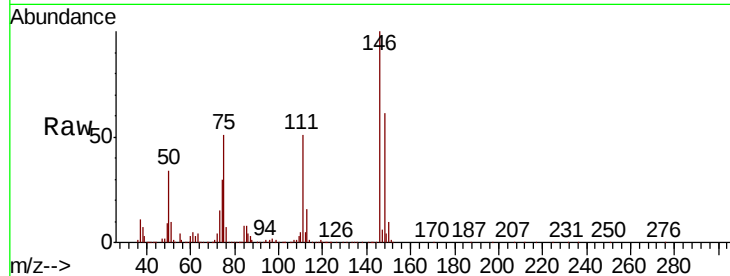




#77
 1,2-Dichlorobenzene
 Concen: 9.055 ppbv
 RT: 17.84 min Scan# 4683
 Delta R.T. -0.00 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

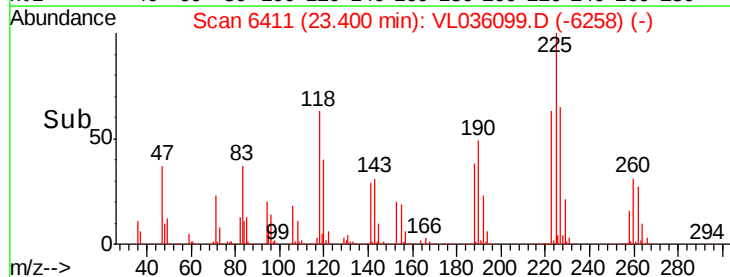
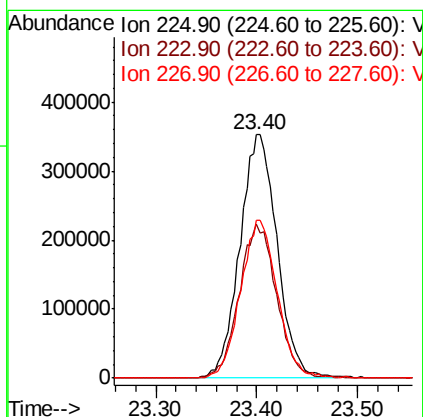
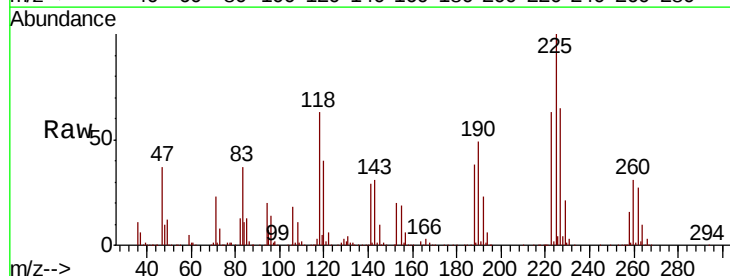
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABS01

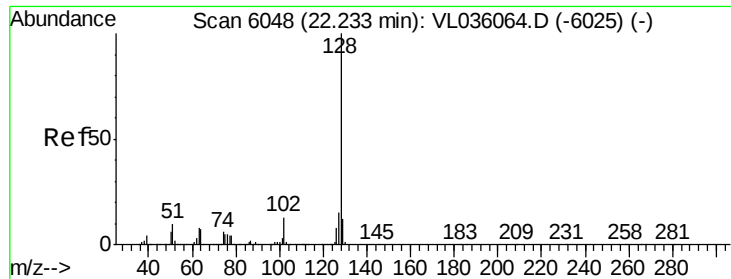
Tot Ion:146 Resp: 1512834
 Ion Ratio Lower Upper
 146 100
 111 54.2 26.1 78.2
 148 64.6 33.1 99.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.753 ppbv
 RT: 23.40 min Scan# 6411
 Delta R.T. -0.01 min
 Lab File: VL036099.D
 Acq: 8 Dec 2020 17:13

Tgt Ion:225 Resp: 904229
 Ion Ratio Lower Upper
 225 100
 223 63.9 51.1 76.7
 227 64.3 51.7 77.5





#79

Naphthalene

Concen: 4.795 ppbv

RT: 22.23 min Scan# 6046

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

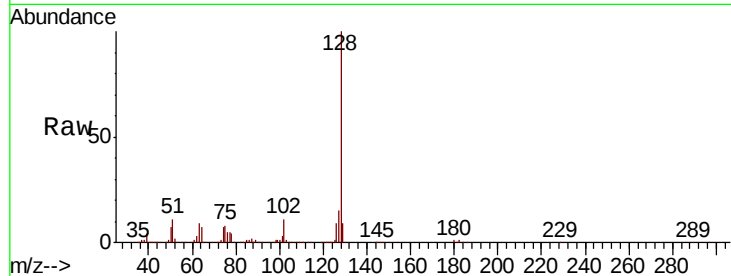
Tot Ion:128 Resp: 851967

Ion Ratio Lower Upper

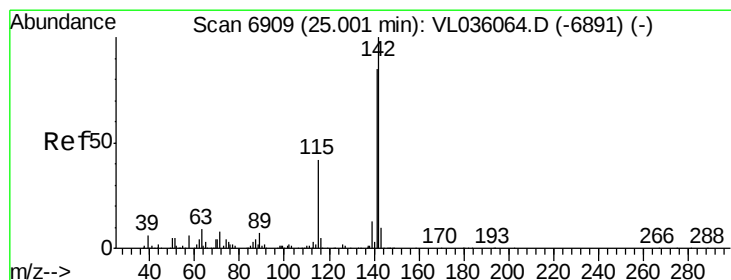
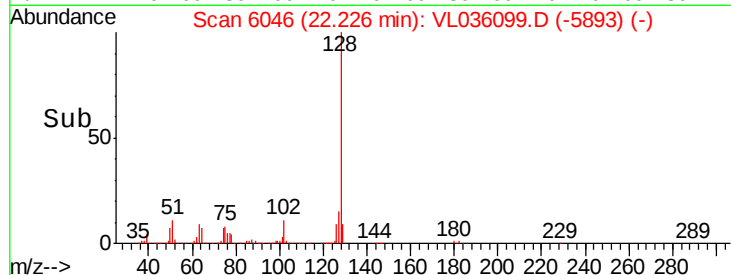
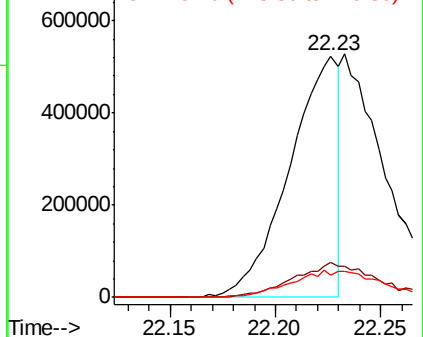
128 100

127 14.6 11.7 17.5

129 9.5 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: 15.026 ppbv

RT: 25.00 min Scan# 6908

Delta R.T. -0.00 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

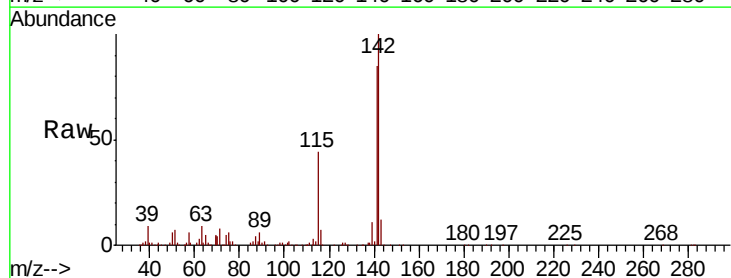
Tgt Ion:142 Resp: 597008

Ion Ratio Lower Upper

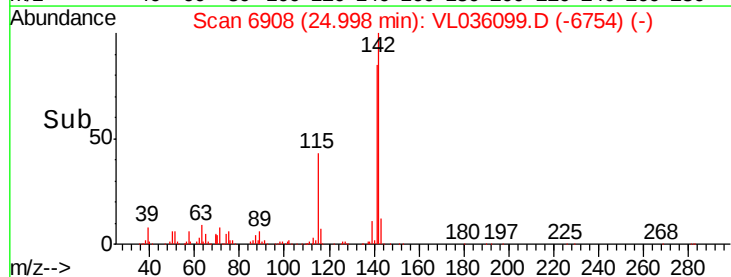
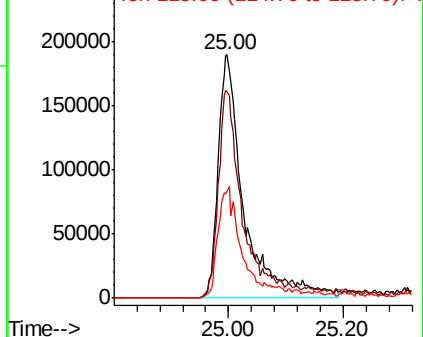
142 100

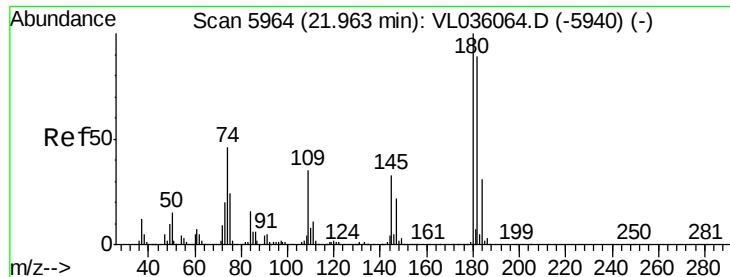
141 83.9 64.3 96.5

115 46.4 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: 7.603 ppbv

RT: 21.96 min Scan# 5962

Delta R.T. -0.01 min

Lab File: VL036099.D

Acq: 8 Dec 2020 17:13

Instrument :

MSVOA_L

ClientSampleId :

VL1208ABS01

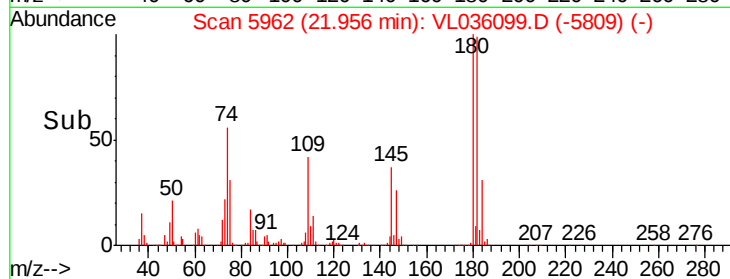
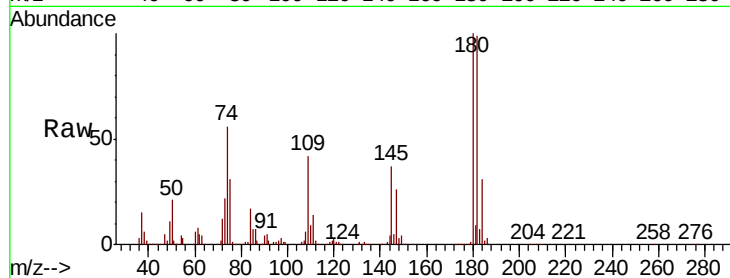
Tot Ion:180 Resp: 902584

Ion Ratio Lower Upper

180 100

182 100.3 0.0 0.0#

184 33.3 0.0 0.0#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

