

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091620\
 Data File : VL035629.D
 Acq On : 16 Sep 2020 14:28
 Operator : SY/AP
 Sample : VL0916ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Quant Time: Sep 17 07:06:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1094229	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4521756	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	5790756	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3370151	8.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1627289	8.581	ppbv 98
3) Chlorodifluoromethane	2.98	51	1219723	10.079	ppbv 99
4) Chloromethane	3.13	50	657763	10.145	ppbv 100
5) Vinyl Chloride	3.25	62	785877	9.831	ppbv 100
6) Bromomethane	3.46	94	680576	10.136	ppbv 98
7) Chloroethane	3.55	64	295601	10.460	ppbv 97
8) Dichlorotetrafluoroethane	3.18	85	2246943	9.784	ppbv 95
9) Propene	3.00	41	462754	9.919	ppbv 99
10) Heptane	8.12	43	1335361	10.656	ppbv 100
11) Trichlorofluoromethane	3.94	101	2706216	9.786	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2059368	9.867	ppbv 94
13) Ethanol	3.59	45	105178	9.092	ppbv 96
14) Bromoethene	3.73	108	926527	10.313	ppbv 99
15) Acetone	3.84	43	1085596	8.995	ppbv 100
16) 1,3-Butadiene	3.32	39	480990	10.706	ppbv 98
17) tert-Butyl alcohol	4.29	59	1385306	9.430	ppbv 100
18) 1,1-Dichloroethene	4.28	96	962126	10.468	ppbv 98
19) Isopropyl Alcohol	3.96	45	677979	9.417	ppbv 100
20) Methylene Chloride	4.34	84	855907	9.522	ppbv 97
21) Allyl Chloride	4.40	41	642918	11.371	ppbv 98
22) trans-1,2-Dichloroethene	4.88	96	1008123	10.303	ppbv 97
23) Vinyl Acetate	5.07	43	1681058	10.853	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1641402	10.297	ppbv 99
25) Ethyl Acetate	5.67	43	2205738	10.346	ppbv 100
26) Hexane	5.68	57	1272728	10.536	ppbv 98
27) Carbon Disulfide	4.54	76	2074683	11.968	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	2226321	10.574	ppbv 99
29) Chloroform	5.75	83	2524945	10.259	ppbv 100
30) Cyclohexane	7.13	84	1398543	10.807	ppbv 98
31) cis-1,2-Dichloroethene	5.54	61	1338797	10.802	ppbv 97
32) 1,1,1-Trichloroethane	6.51	97	2491995	10.437	ppbv 99
34) 2-Butanone	5.24	43	1508855	11.244	ppbv 99
35) Carbon Tetrachloride	7.01	117	2584256	11.371	ppbv 100
36) Benzene	6.89	78	3205181	10.950	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1557320	11.160	ppbv 99
38) Trichloroethene	7.83	130	1642586	9.661	ppbv 95
39) 1,2-Dichloropropane	7.61	63	1086106	10.984	ppbv 98
40) 1,4-Dioxane	7.83	88	536396	10.860	ppbv 80
41) Tetrahydrofuran	6.04	42	843249	11.850	ppbv 99
42) Bromodichloromethane	7.79	83	2669695	11.830	ppbv 99
43) Methyl Methacrylate	8.01	69	1349173	11.921	ppbv 98

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Quant Time: Sep 17 07:06:45 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4179664	10.853	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1509998	13.170	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1792265	12.590	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1591814	10.910	ppbv	98
48) Dibromochloromethane	10.31	129	2707520	11.791	ppbv	100
49) Bromoform	13.05	173	2484593	11.939	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2261214	11.637	ppbv	100
51) 2-Hexanone	10.14	43	1952625	12.250	ppbv	99
52) Tetrachloroethene	11.23	164	1609338	9.412	ppbv	97
53) Toluene	9.81	91	4067784	11.051	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2510719	10.891	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	2106656	8.941	ppbv	96
57) Chlorobenzene	12.15	112	3461350	8.122	ppbv	97
58) Ethyl Benzene	12.72	91	5313228	8.898	ppbv	100
59) m/p-Xylene	13.01	91	4843946	9.708	ppbv #	44
60) o-Xylene	13.70	91	4442234	8.840	ppbv	99
61) Styrene	13.54	104	3571200	9.291	ppbv	99
62) Isopropylbenzene	14.68	105	6711117	8.313	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	3240727	8.318	ppbv	99
64) n-propylbenzene	15.57	120	2126197	8.631	ppbv	94
65) tert-Butylbenzene	16.76	119	6339546	8.448	ppbv	97
66) Benzyl Chloride	17.00	91	2262292	12.130	ppbv	98
67) sec-Butylbenzene	17.31	105	8357964	8.360	ppbv	98
69) p-Isopropyltoluene	17.67	119	7257977	8.276	ppbv	98
70) n-Butylbenzene	18.56	91	7227228	8.555	ppbv	99
71) 2-Chlorotoluene	15.46	91	5204928	8.854	ppbv	97
72) 4-Ethyltoluene	15.85	105	5573459	8.724	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	5197659	8.796	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	5449439	8.397	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	3771000	7.845	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3812909	8.043	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	3740766	8.032	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	2290118	7.702	ppbv	100
79) Naphthalene	22.22	128	6376327	8.855	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	2242430	9.124	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	3488754	8.091	ppbv	100

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

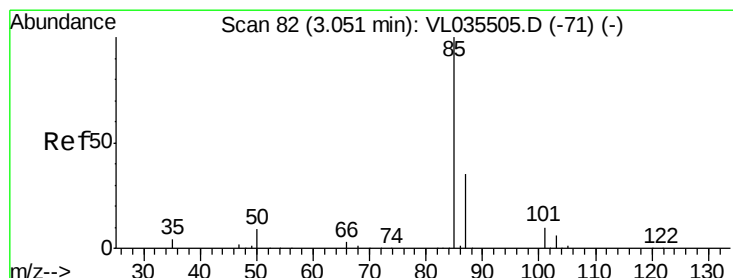
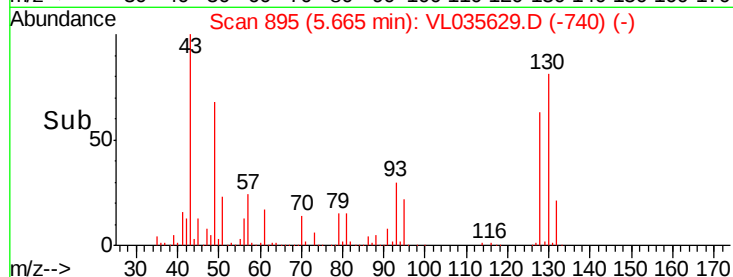
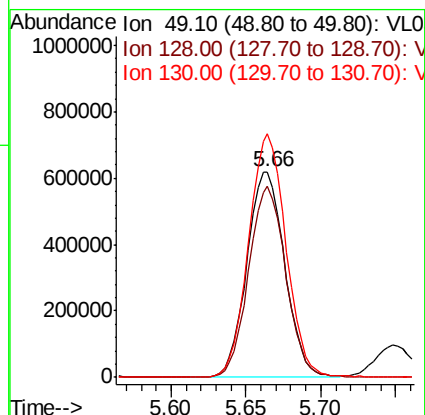
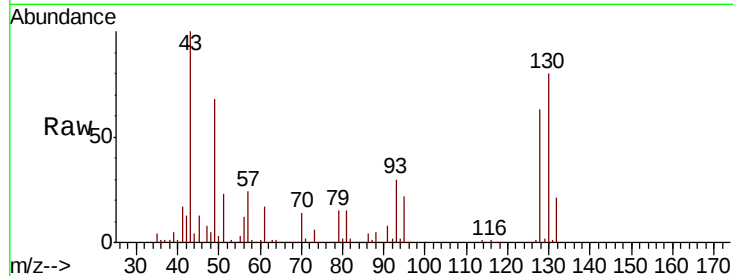
[illegible]



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: VL035629.D
 Acq: 16 Sep 2020 14:28

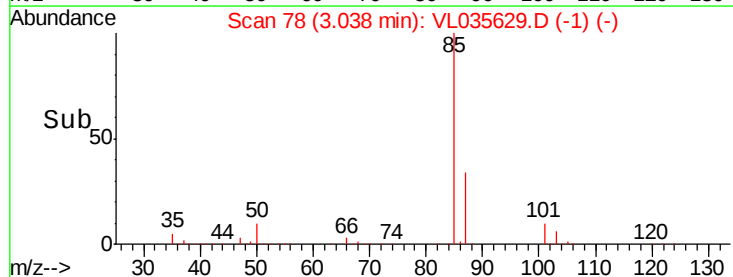
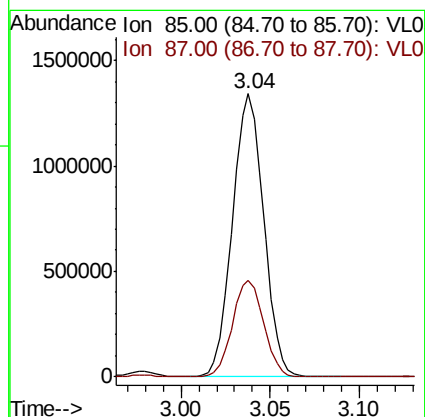
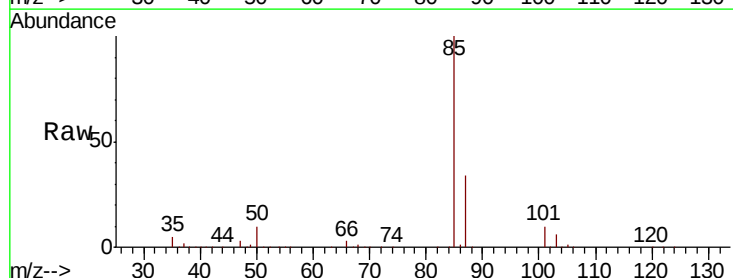
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

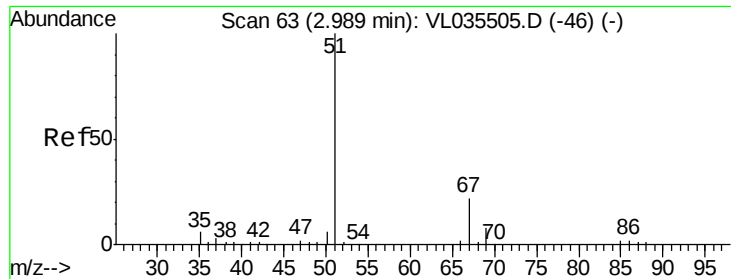
Tot Ion: 49 Resp: 1094229
 Ion Ratio Lower Upper
 49 100
 128 91.5 50.0 150.1
 130 116.8 64.4 193.2



#2
 Dichlorodifluoromethane
 Concen: 8.581 ppbv
 RT: 3.04 min Scan# 78
 Delta R.T. 0.00 min
 Lab File: VL035629.D
 Acq: 16 Sep 2020 14:28

Tgt Ion: 85 Resp: 1627289
 Ion Ratio Lower Upper
 85 100
 87 33.9 28.0 42.0





#3

Chlorodifluoromethane

Concen: 10.079 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

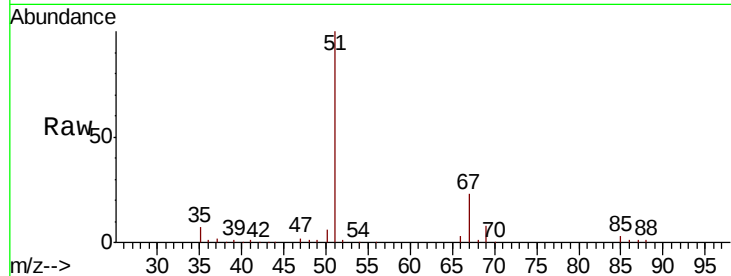
VL0916ABS01

Tot Ion: 51 Resp: 1219723

Ion Ratio Lower Upper

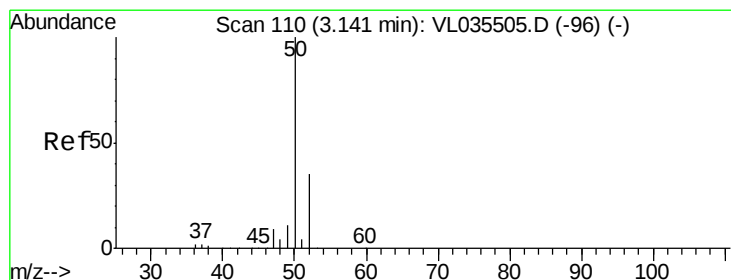
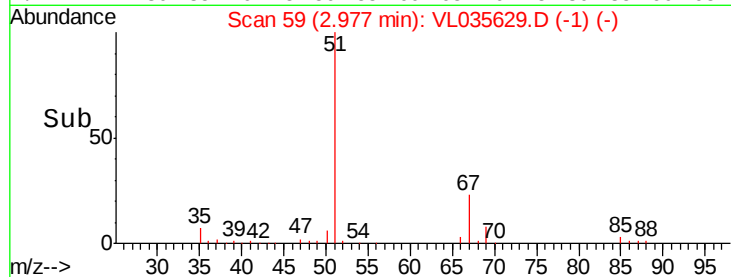
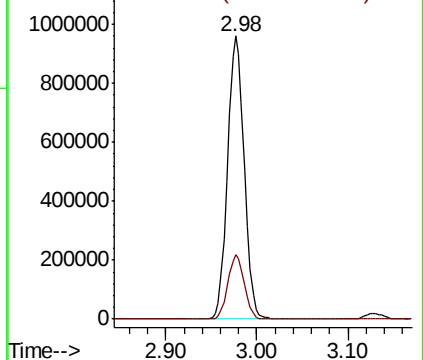
51 100

67 22.6 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.145 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL035629.D

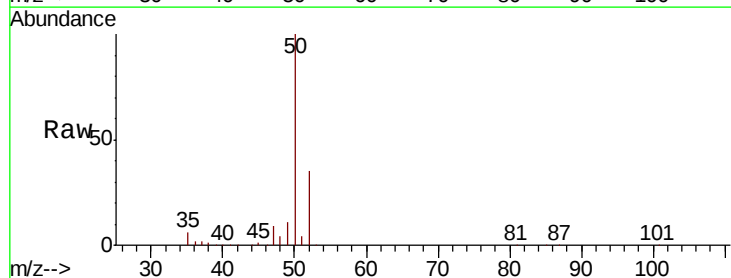
Acq: 16 Sep 2020 14:28

Tgt Ion: 50 Resp: 657763

Ion Ratio Lower Upper

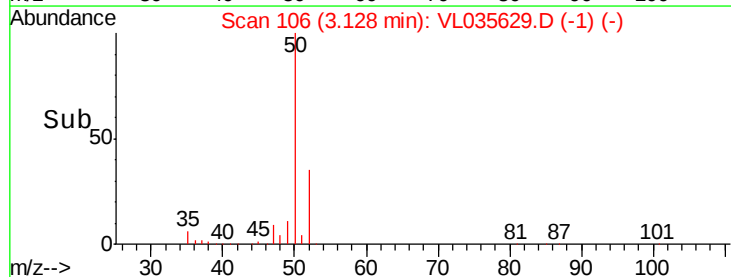
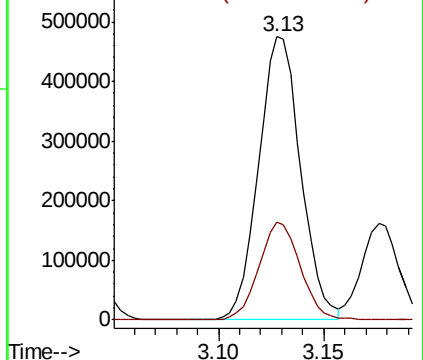
50 100

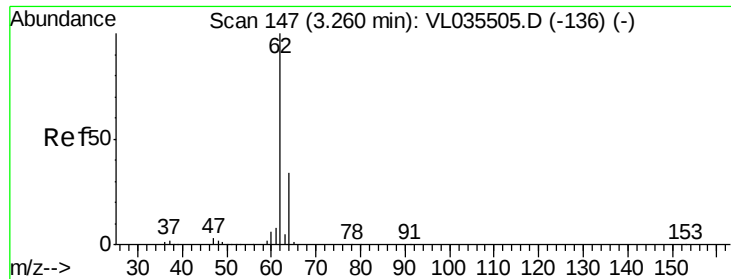
52 34.7 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.831 ppbv

RT: 3.25 min Scan# 143

Delta R.T. 0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

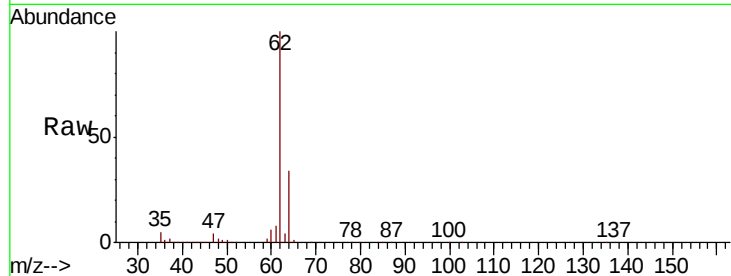
VL0916ABS01

Tot Ion: 62 Resp: 785877

Ion Ratio Lower Upper

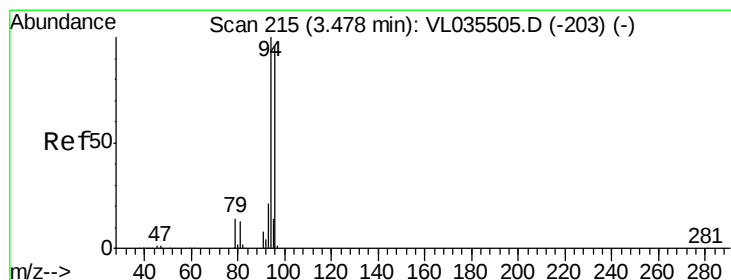
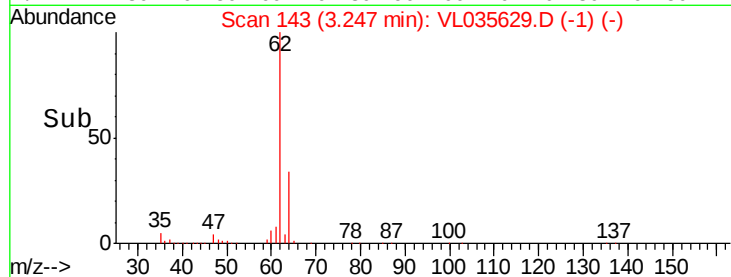
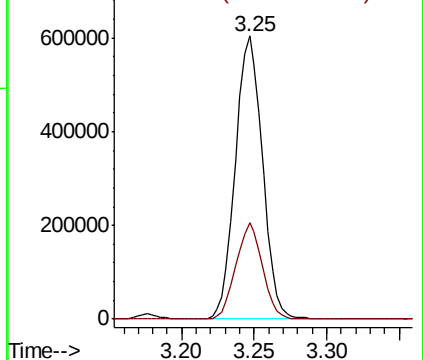
62 100

64 34.1 27.4 41.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.136 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL035629.D

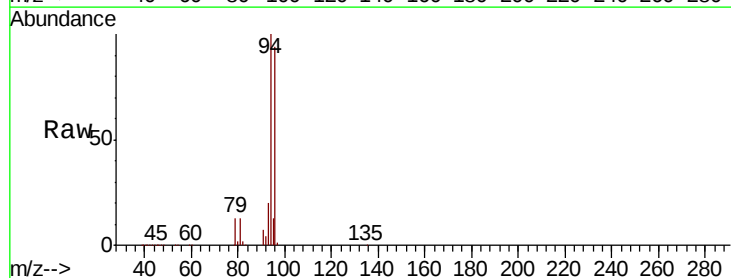
Acq: 16 Sep 2020 14:28

Tgt Ion: 94 Resp: 680576

Ion Ratio Lower Upper

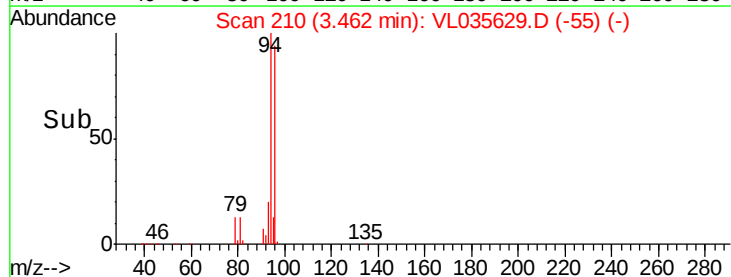
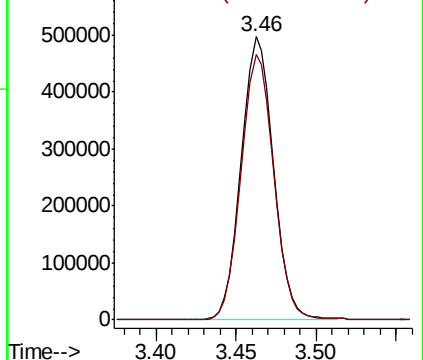
94 100

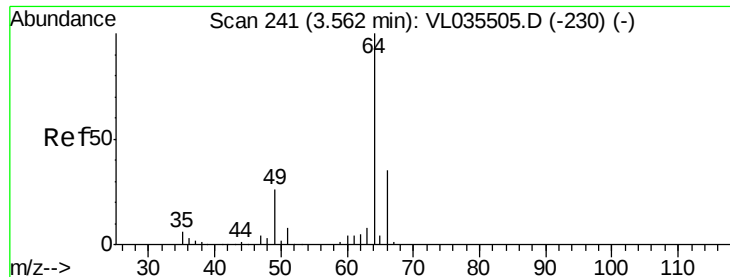
96 94.0 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.460 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

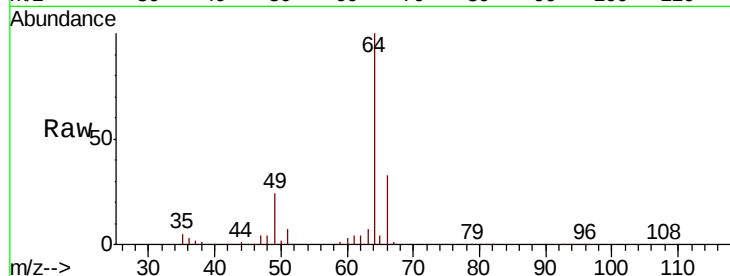
VL0916ABS01

Tot Ion: 64 Resp: 295601

Ion Ratio Lower Upper

64 100

66 33.1 27.7 41.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

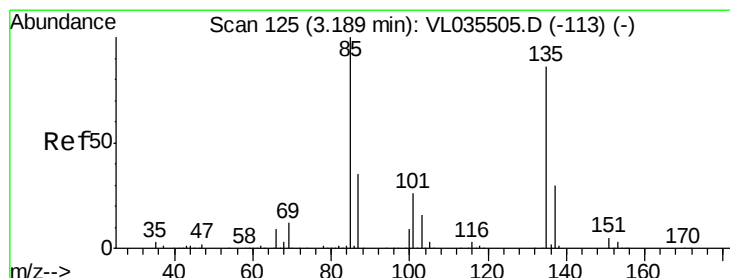
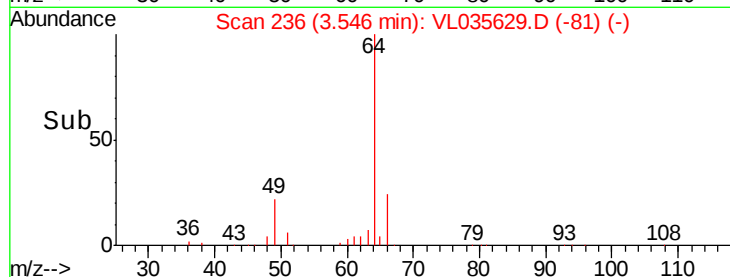
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.784 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL035629.D

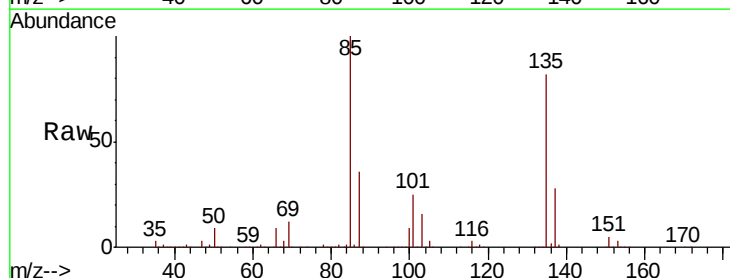
Acq: 16 Sep 2020 14:28

Tgt Ion: 85 Resp: 2246943

Ion Ratio Lower Upper

85 100

135 83.0 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

2000000

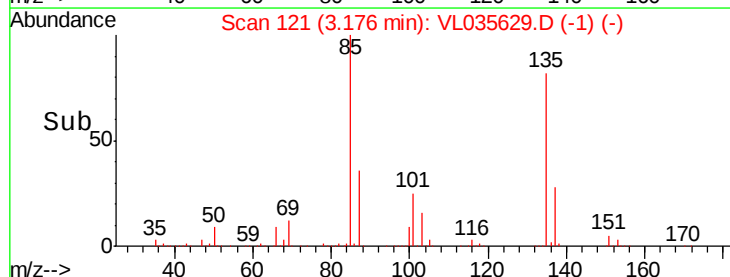
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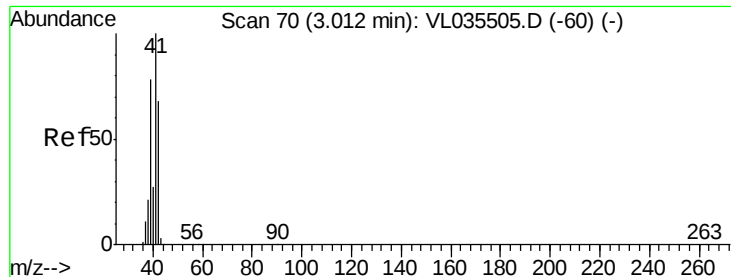
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500000

0

Time-->





#9

Propene

Concen: 9.919 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

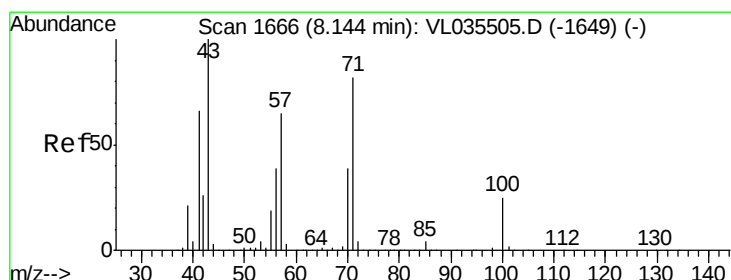
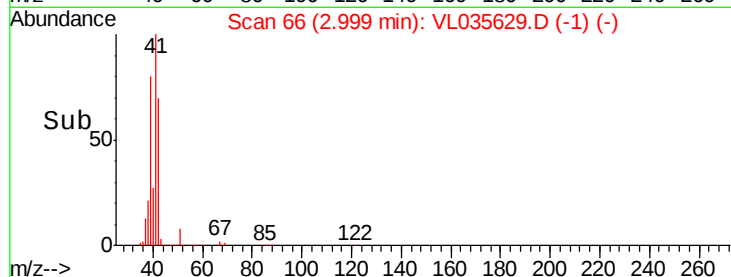
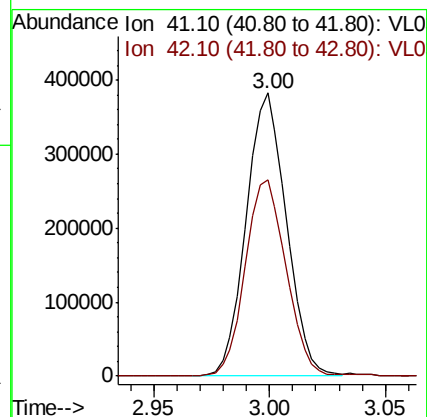
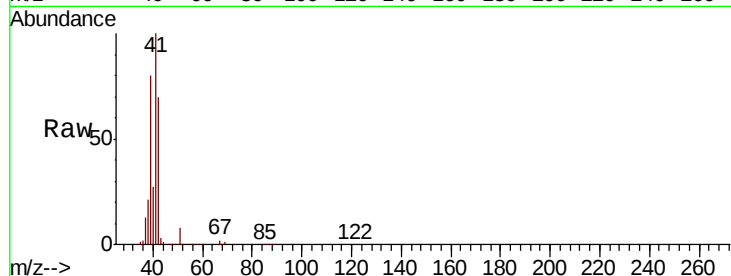
VL0916ABS01

Tot Ion: 41 Resp: 462754

Ion Ratio Lower Upper

41 100

42 71.1 56.3 84.5



#10

Heptane

Concen: 10.656 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL035629.D

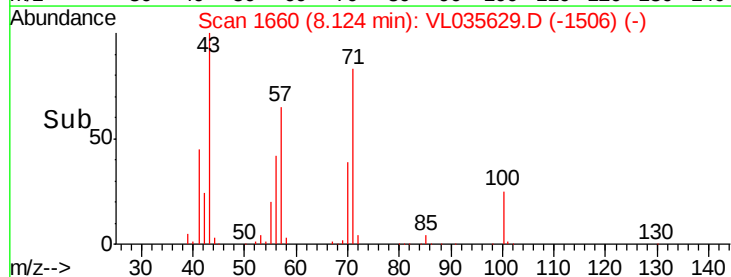
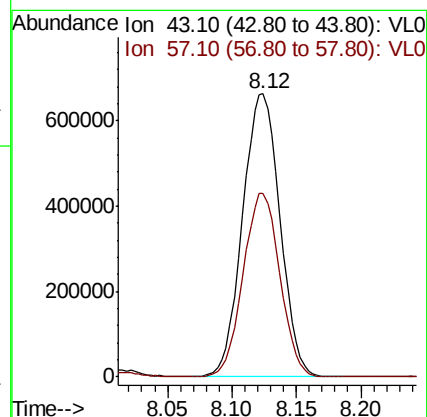
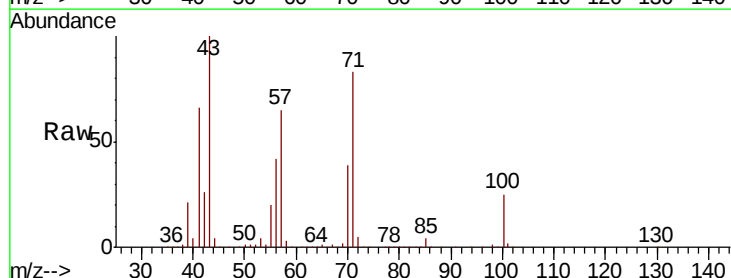
Acq: 16 Sep 2020 14:28

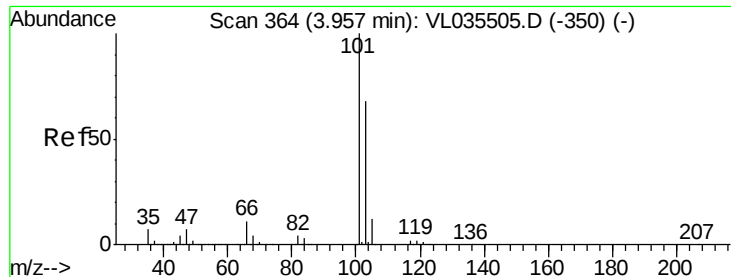
Tgt Ion: 43 Resp: 1335361

Ion Ratio Lower Upper

43 100

57 64.0 51.4 77.0

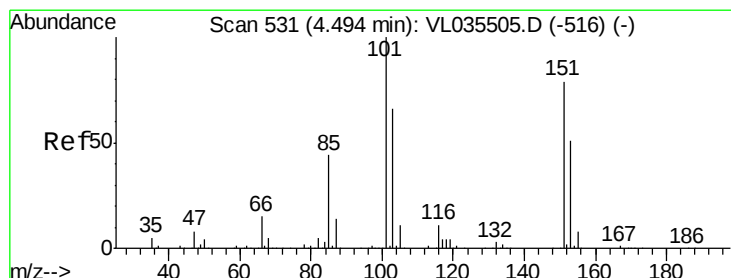
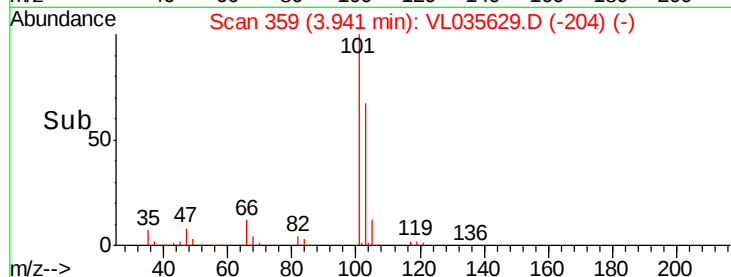
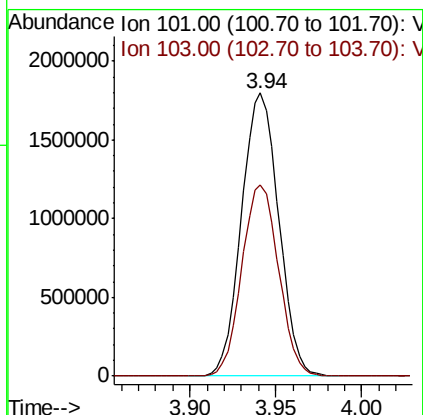
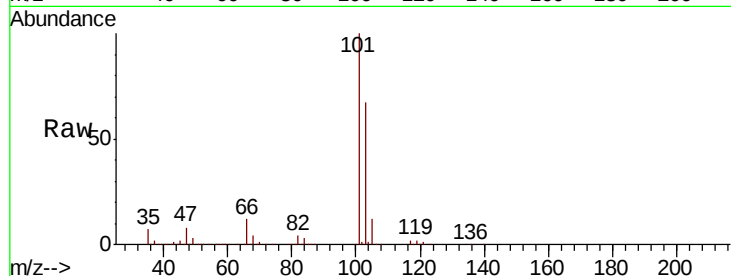




#11
 Trichlorofluoromethane
 Concen: 9.786 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.00 min
 Lab File: VL035629.D
 Acq: 16 Sep 2020 14:28

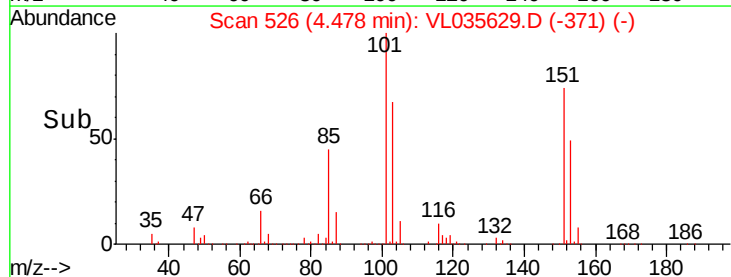
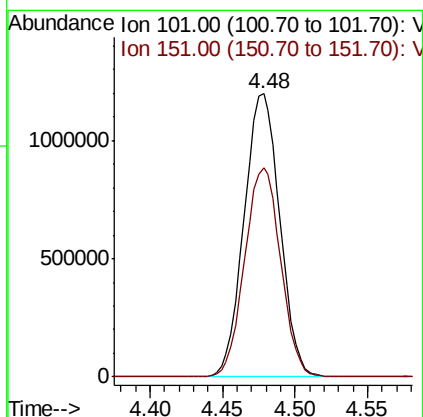
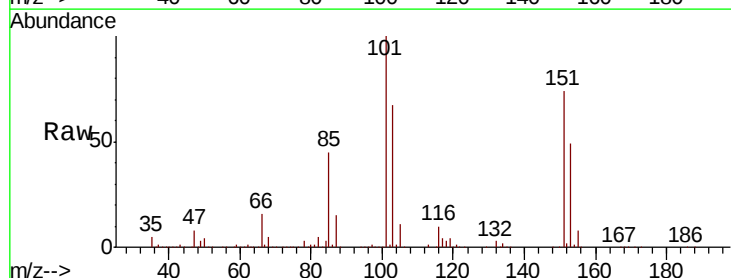
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

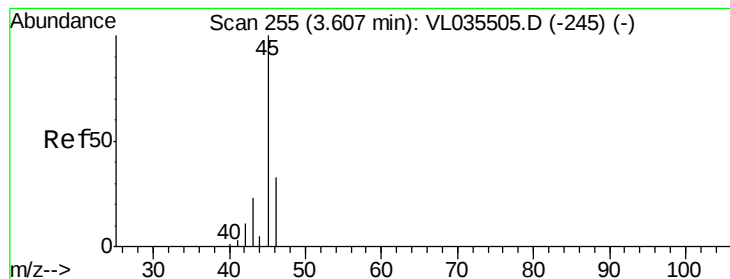
Tot Ion:101 Resp: 2706216
 Ion Ratio Lower Upper
 101 100
 103 67.4 54.5 81.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.867 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VL035629.D
 Acq: 16 Sep 2020 14:28

Tgt Ion:101 Resp: 2059368
 Ion Ratio Lower Upper
 101 100
 151 74.5 63.5 95.3





#13

Ethanol

Concen: 9.092 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

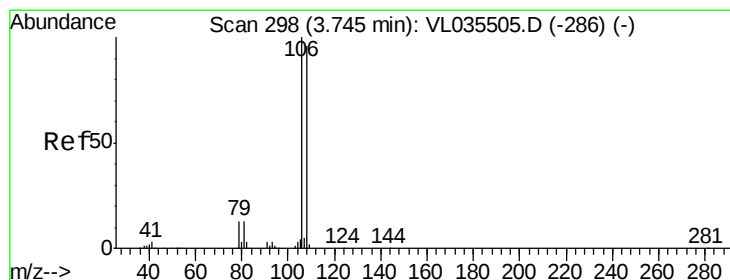
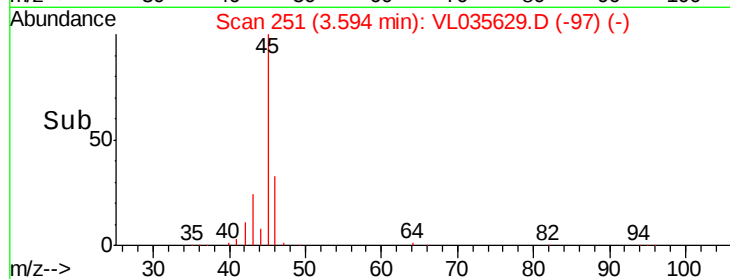
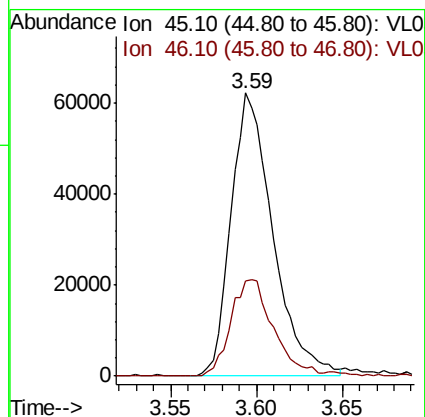
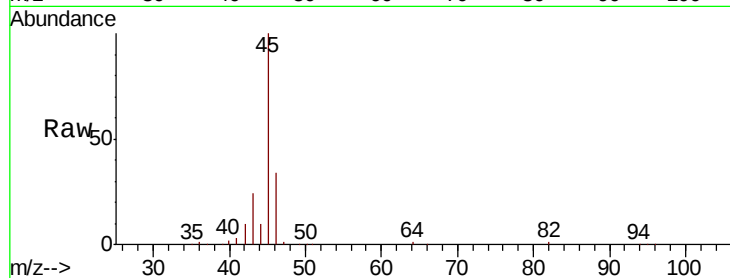
VL0916ABS01

Tot Ion: 45 Resp: 105178

Ion Ratio Lower Upper

45 100

46 35.7 15.2 60.6



#14

Bromoethene

Concen: 10.313 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

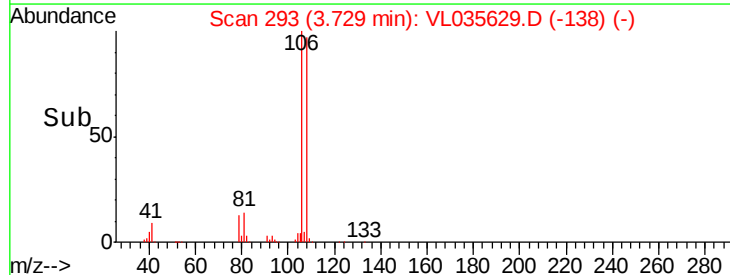
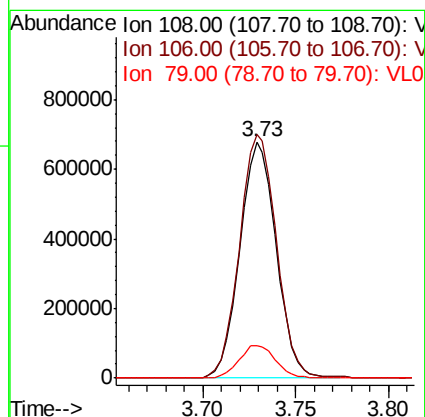
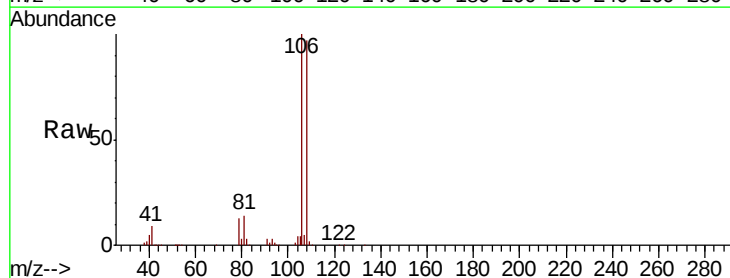
Tgt Ion: 108 Resp: 926527

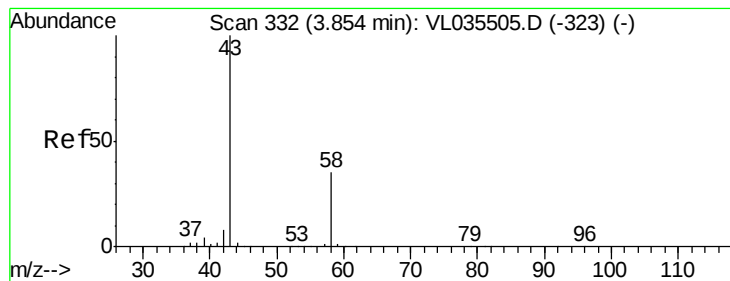
Ion Ratio Lower Upper

108 100

106 105.6 84.9 127.3

79 14.1 10.8 16.2





#15

Acetone

Concen: 8.995 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

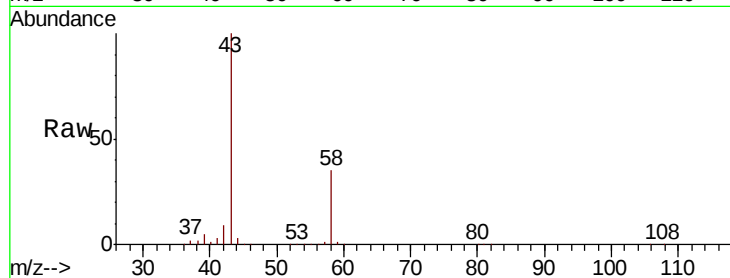
VL0916ABS01

Tot Ion: 43 Resp: 1085596

Ion Ratio Lower Upper

43 100

58 35.2 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

800000

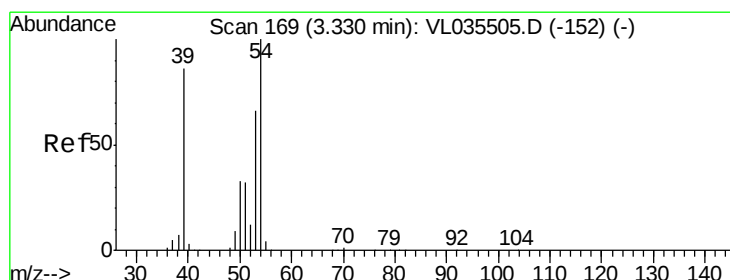
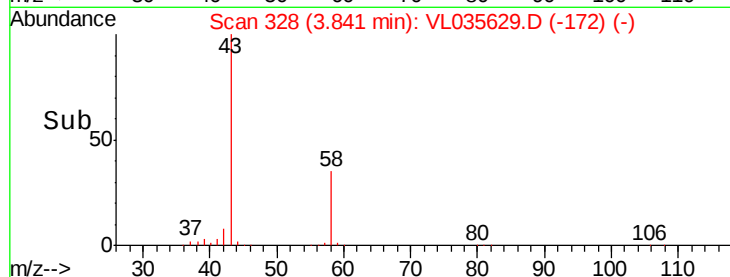
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 10.706 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL035629.D

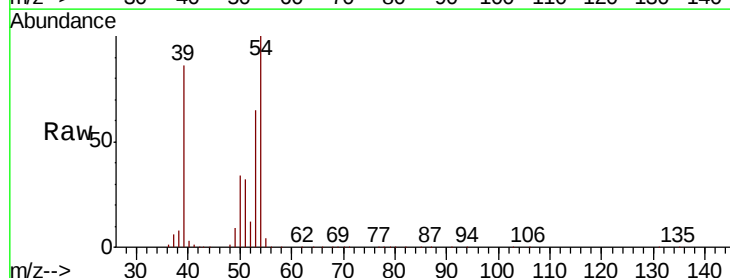
Acq: 16 Sep 2020 14:28

Tgt Ion: 39 Resp: 480990

Ion Ratio Lower Upper

39 100

54 108.8 88.4 132.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

500000

400000

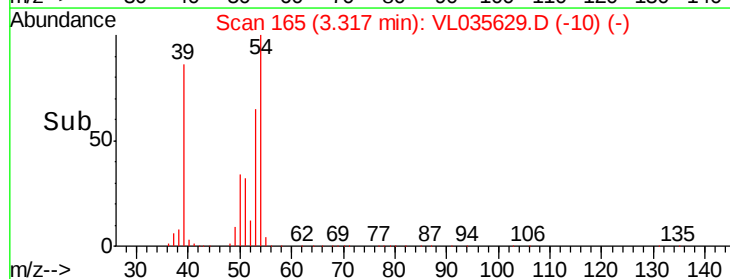
300000

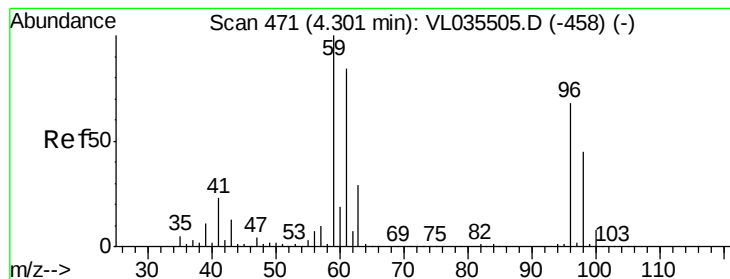
200000

100000

0

Time-->





#17

tert-Butyl alcohol

Concen: 9.430 ppbv

RT: 4.29 min Scan# 466

Delta R.T. 0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

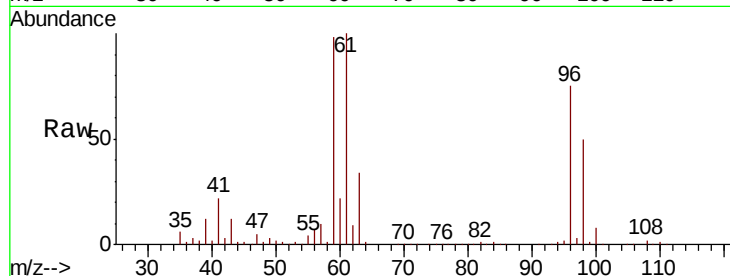
VL0916ABS01

Tot Ion: 59 Resp: 1385306

Ion Ratio Lower Upper

59 100

57 10.4 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

800000

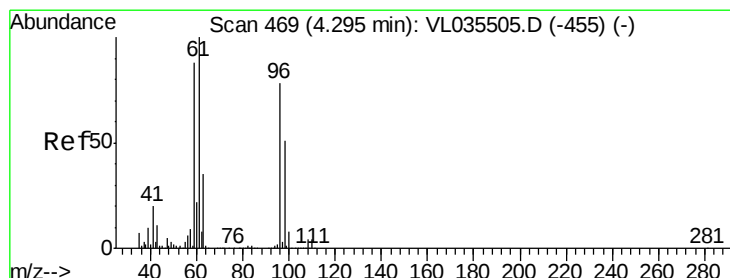
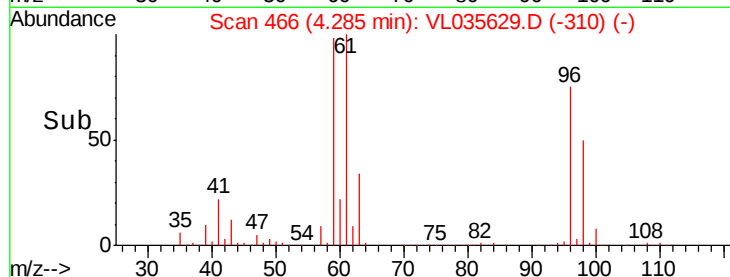
600000

400000

200000

0

Time--> 4.20 4.25 4.30 4.35 4.40



#18

1,1-Dichloroethene

Concen: 10.468 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

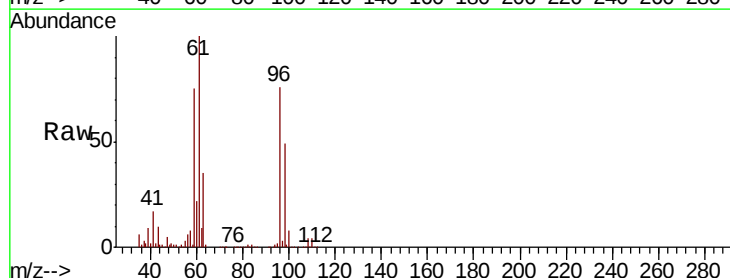
Tgt Ion: 96 Resp: 962126

Ion Ratio Lower Upper

96 100

61 131.9 103.0 154.6

98 64.7 52.8 79.2



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

1200000

1000000

800000

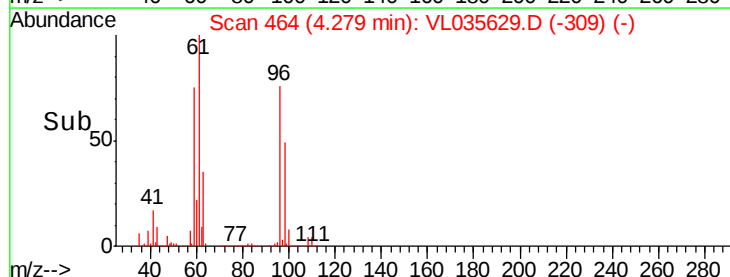
600000

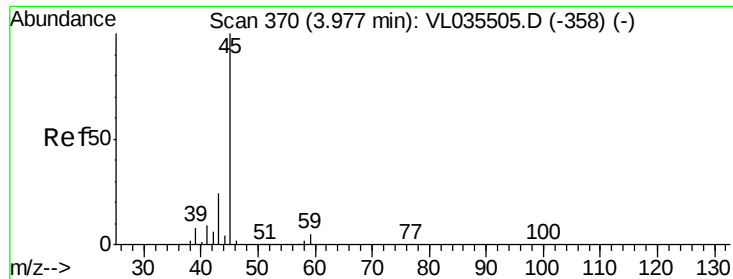
400000

200000

0

Time--> 4.20 4.25 4.30 4.35





#19

Isopropyl Alcohol

Concen: 9.417 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

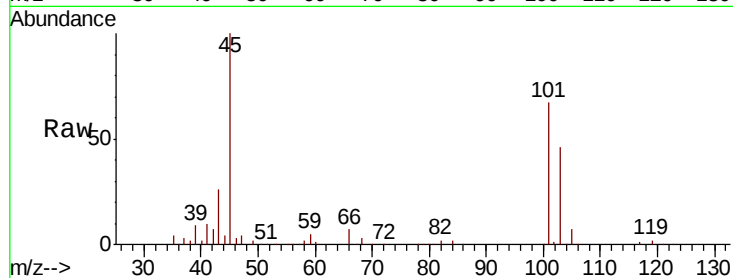
VL0916ABS01

Tot Ion: 45 Resp: 677979

Ion Ratio Lower Upper

45 100

58 2.5 2.0 3.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

400000

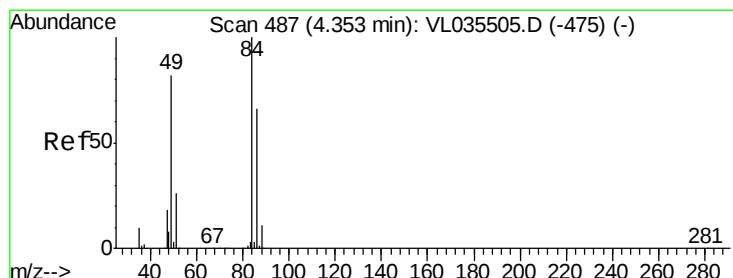
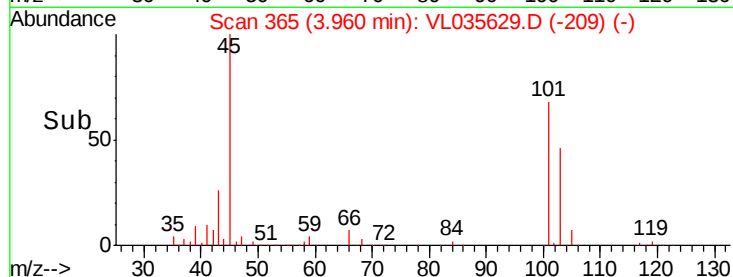
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 9.522 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Tgt Ion: 84 Resp: 855907

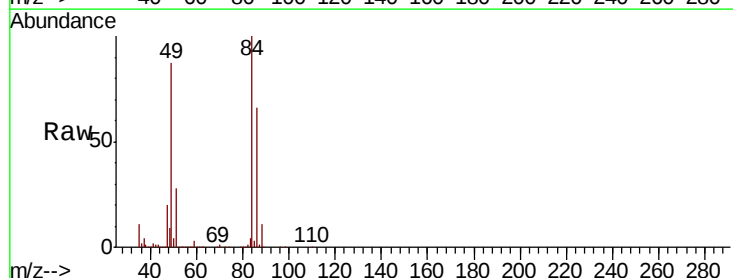
Ion Ratio Lower Upper

84 100

49 86.8 65.4 98.0

51 28.0 21.5 32.3

86 66.5 52.9 79.3



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

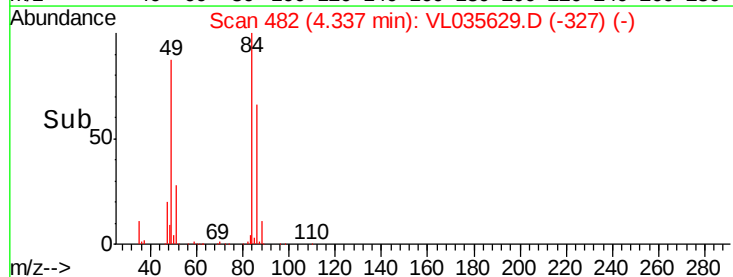
600000

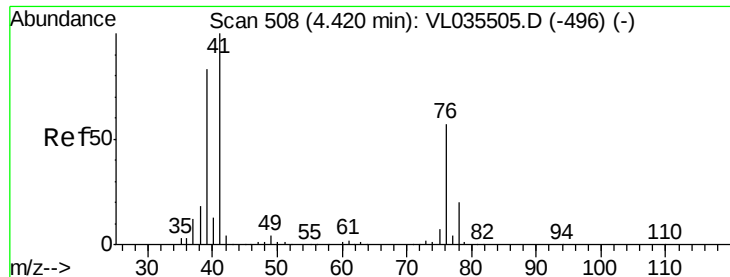
400000

200000

0

Time-->

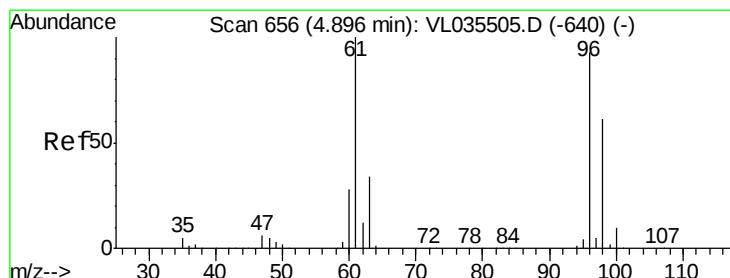
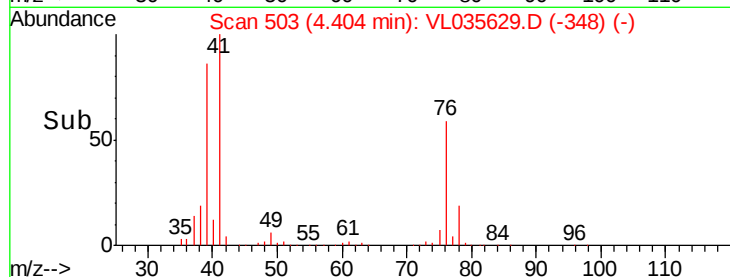
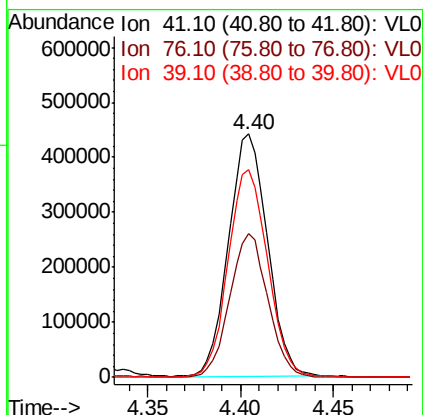
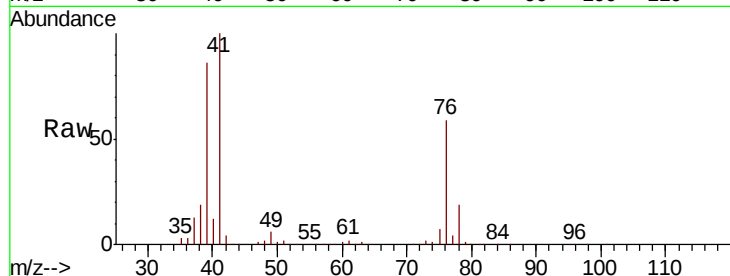




#21
Allvl Chloride
Concen: 11.371 ppbv
RT: 4.40 min Scan# 503
Delta R.T. -0.00 min
Lab File: VL035629.D
Acq: 16 Sep 2020 14:28

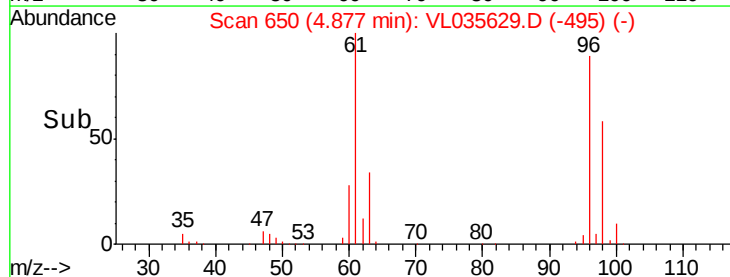
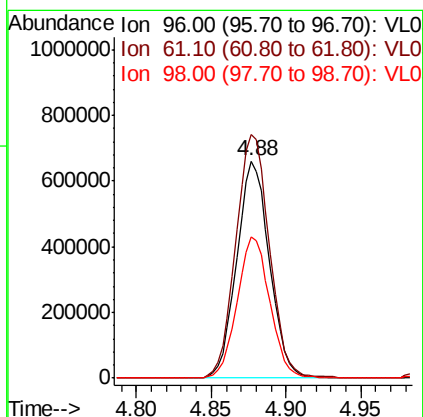
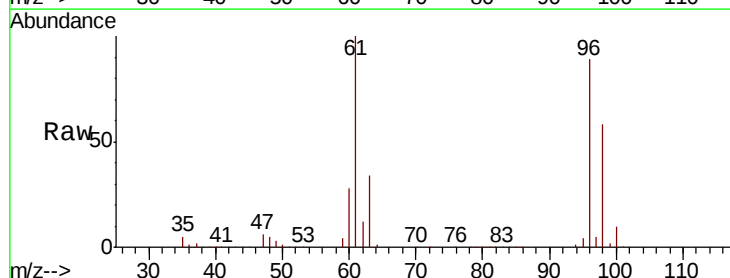
Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

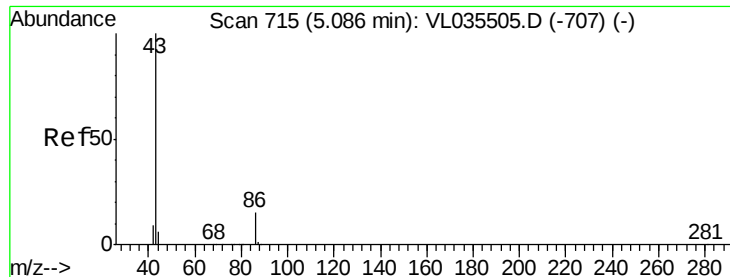
Tot Ion: 41 Resp: 642918
Ion Ratio Lower Upper
41 100
76 58.3 46.2 69.2
39 87.2 67.8 101.6



#22
trans-1,2-Dichloroethene
Concen: 10.303 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.00 min
Lab File: VL035629.D
Acq: 16 Sep 2020 14:28

Tgt Ion: 96 Resp: 1008123
Ion Ratio Lower Upper
96 100
61 112.3 86.0 129.0
98 65.3 52.3 78.5





#23

Vinyl Acetate

Concen: 10.853 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Instrument :

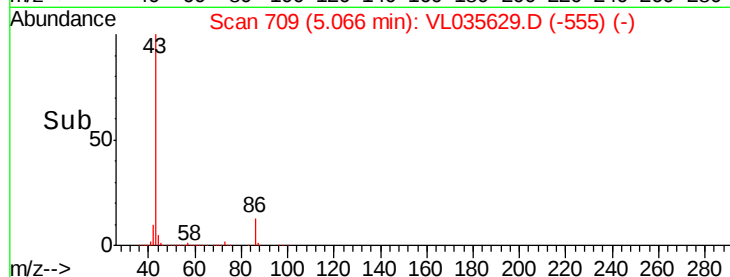
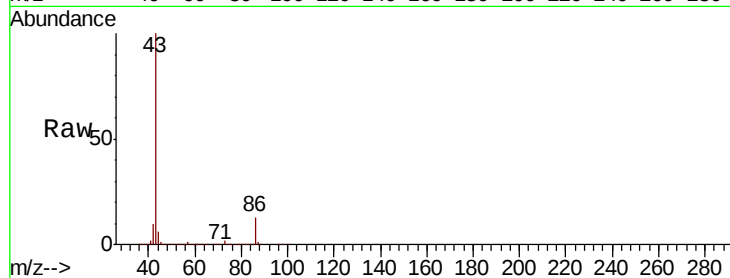
MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion: 43 Resp: 1681058

Ion	Ratio	Lower	Upper
43	100		
86	12.6	10.6	16.0
42	9.7	7.5	11.3
44	5.5	4.4	6.6

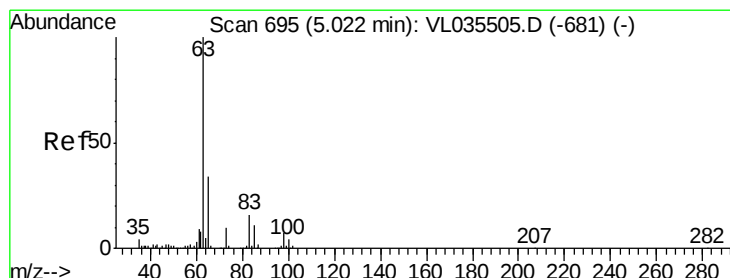
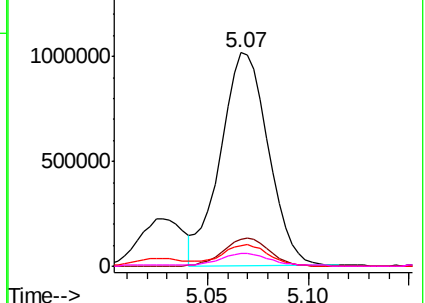


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.297 ppbv

RT: 5.01 min Scan# 690

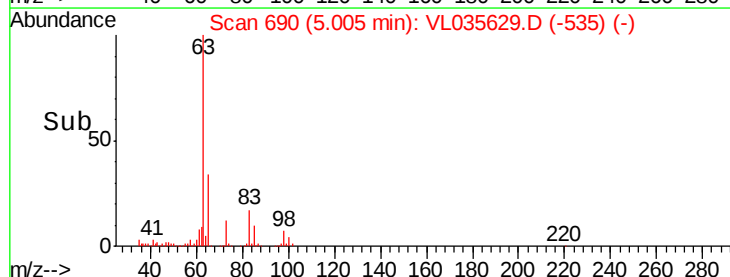
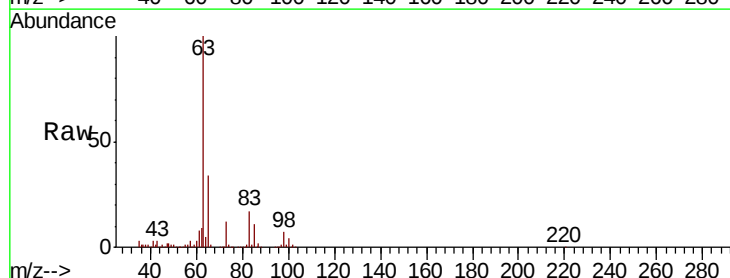
Delta R.T. -0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Tgt Ion: 63 Resp: 1641402

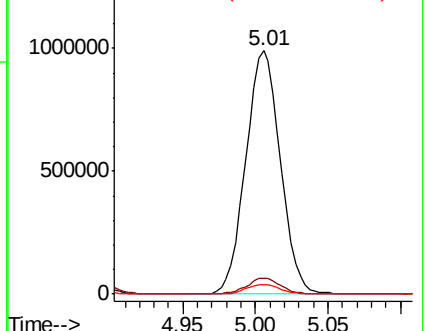
Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	4.0	2.1	6.5

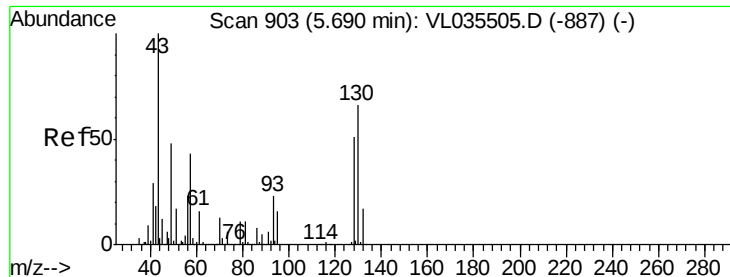


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



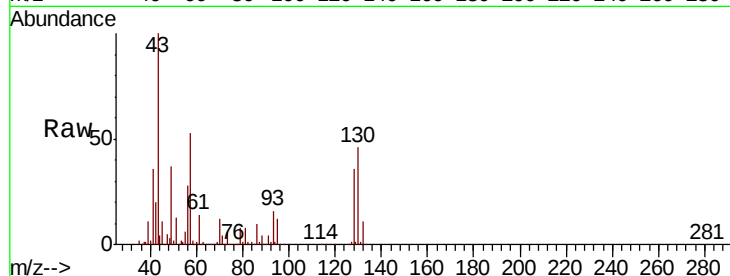


#25
Ethyl Acetate
Concen: 10.346 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL035629.D
Acq: 16 Sep 2020 14:28

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion: 43 Resp: 2205738

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.4	12.6
61	13.4	10.6	16.0
70	11.5	9.4	14.2



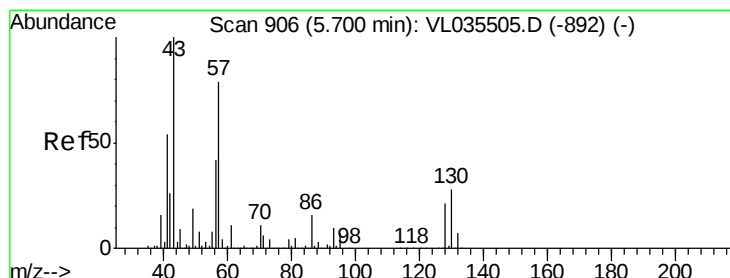
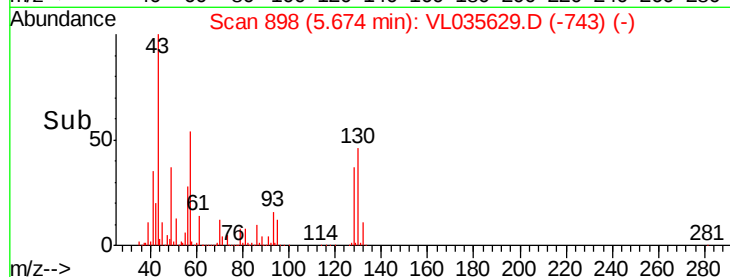
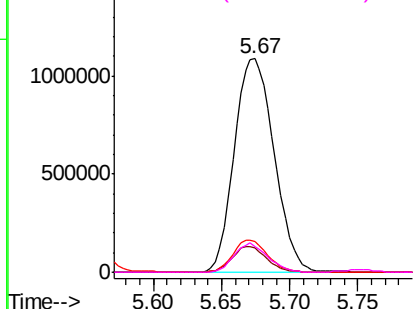
Abundance

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

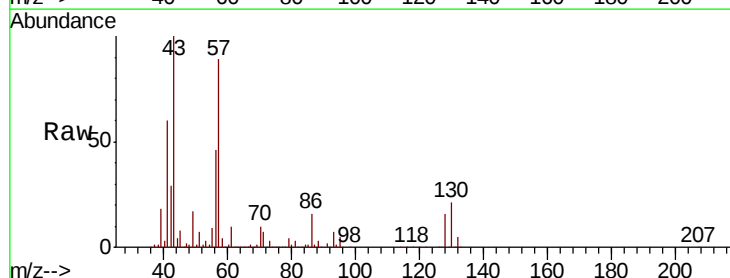
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.536 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL035629.D
Acq: 16 Sep 2020 14:28

Tgt Ion: 57 Resp: 1272728

Ion	Ratio	Lower	Upper
57	100		
41	70.5	55.9	83.9
43	173.9	141.8	212.8
56	52.6	41.8	62.8



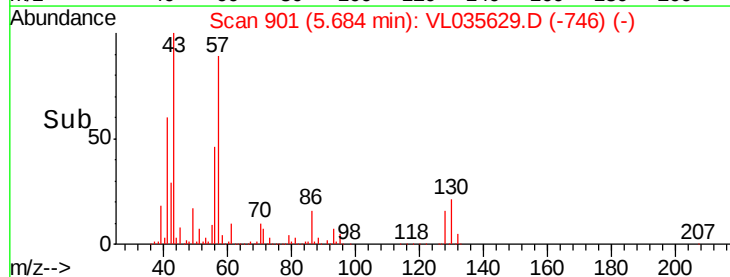
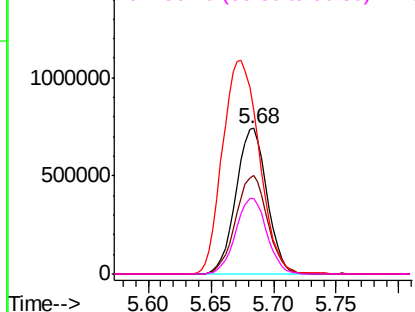
Abundance

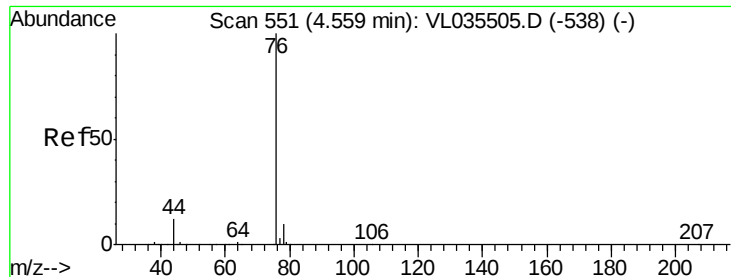
Ion 57.10 (56.80 to 57.80): VL0

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: 11.968 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

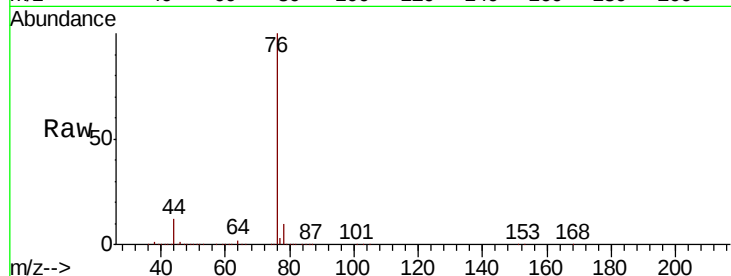
Tot Ion: 76 Resp: 2074683

Ion Ratio Lower Upper

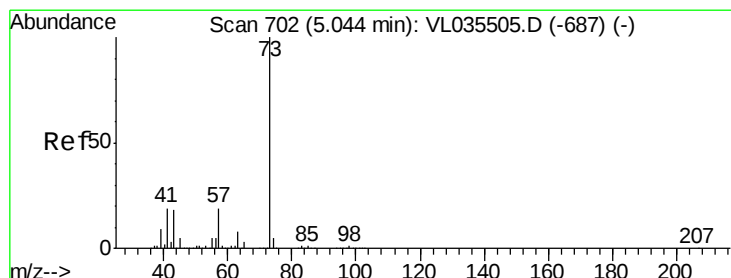
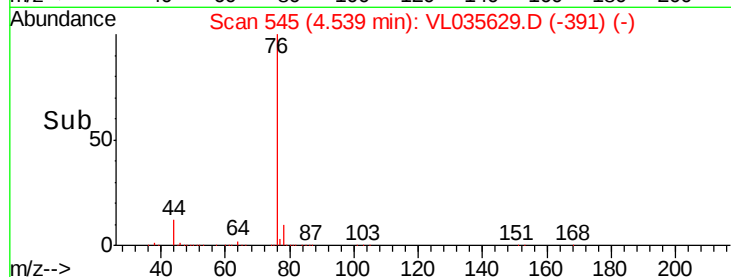
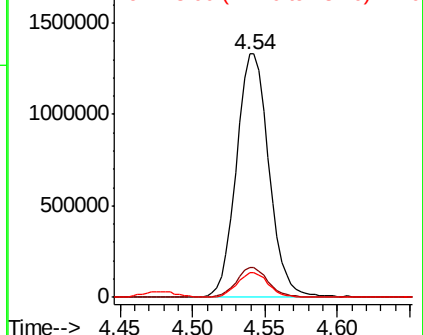
76 100

44 11.8 9.3 13.9

78 9.9 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.574 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.00 min

Lab File: VL035629.D

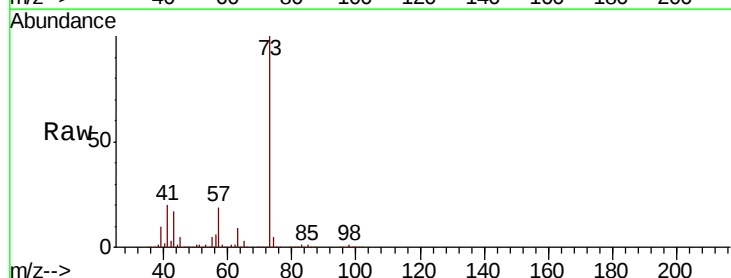
Acq: 16 Sep 2020 14:28

Tgt Ion: 73 Resp: 2226321

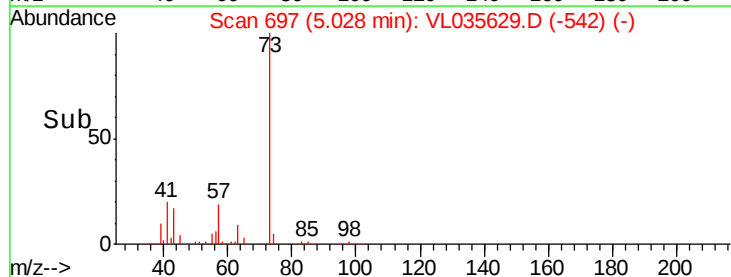
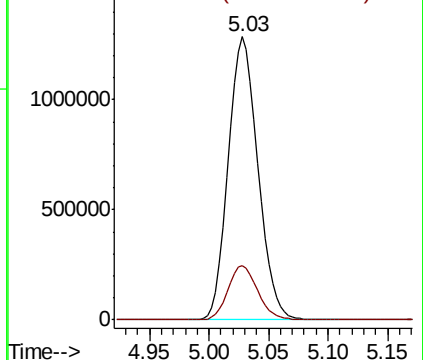
Ion Ratio Lower Upper

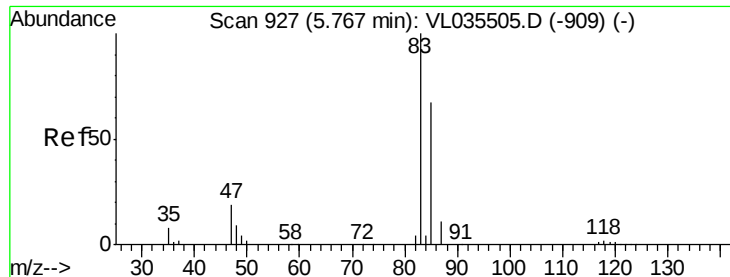
73 100

57 19.2 15.2 22.8



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

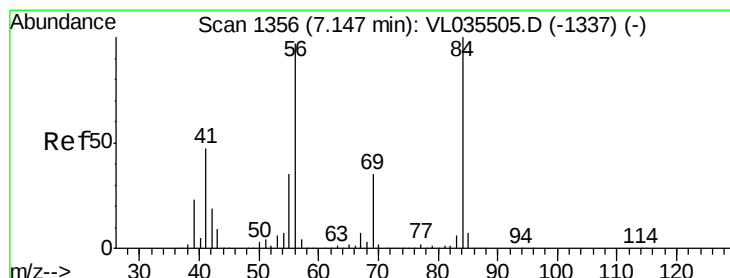
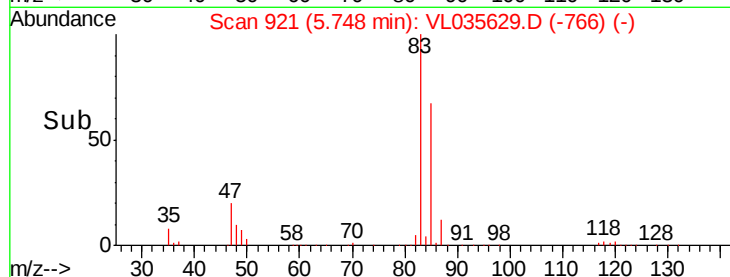
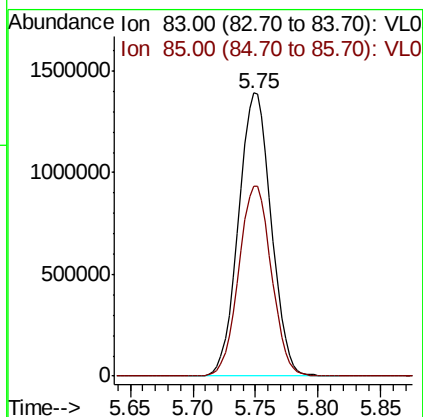
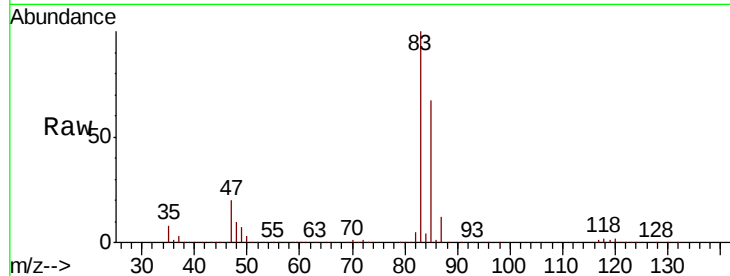




#29
Chloroform
Concen: 10.259 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL035629.D
Acq: 16 Sep 2020 14:28

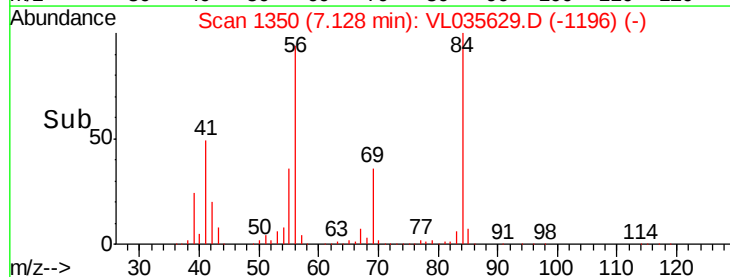
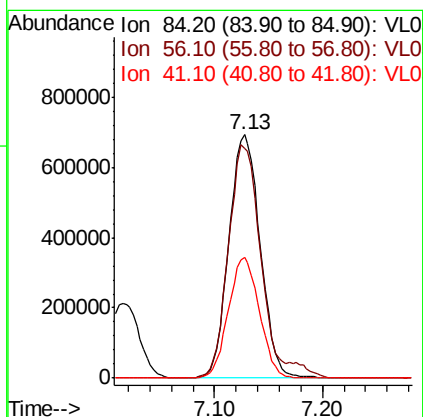
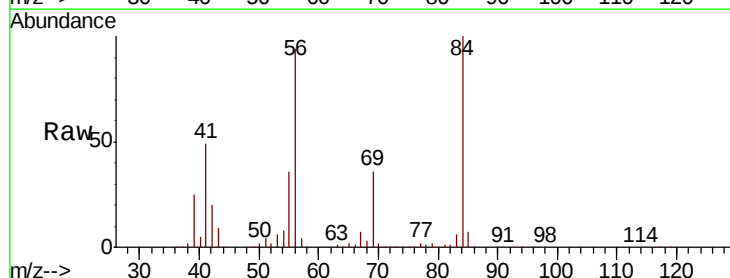
Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

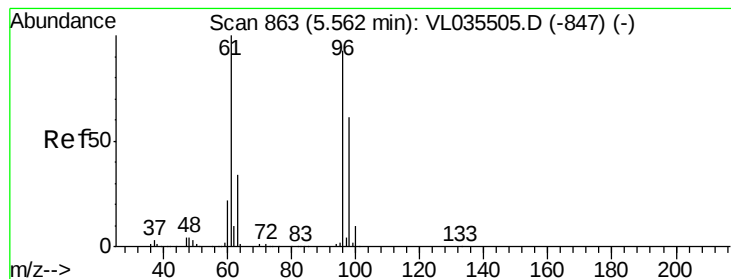
Tot Ion: 83 Resp: 2524945
Ion Ratio Lower Upper
83 100
85 67.2 53.9 80.9



#30
Cyclohexane
Concen: 10.807 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VL035629.D
Acq: 16 Sep 2020 14:28

Tgt Ion: 84 Resp: 1398543
Ion Ratio Lower Upper
84 100
56 101.5 80.1 120.1
41 49.4 38.1 57.1



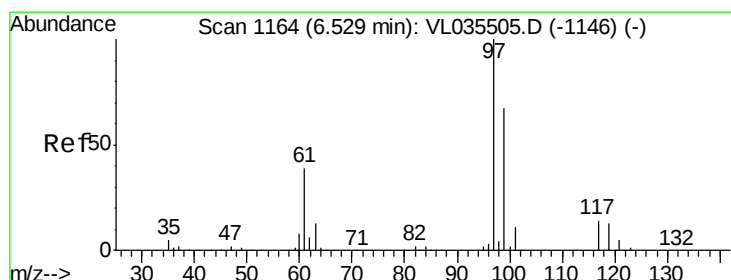
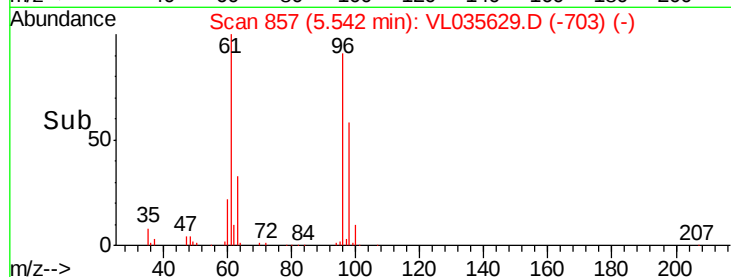
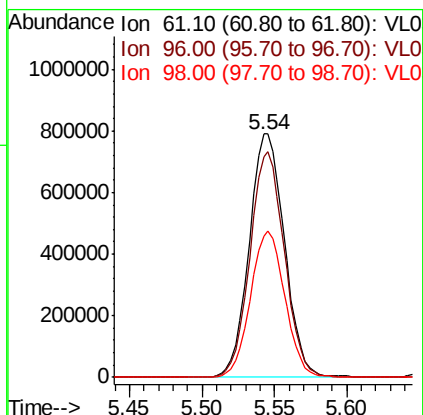
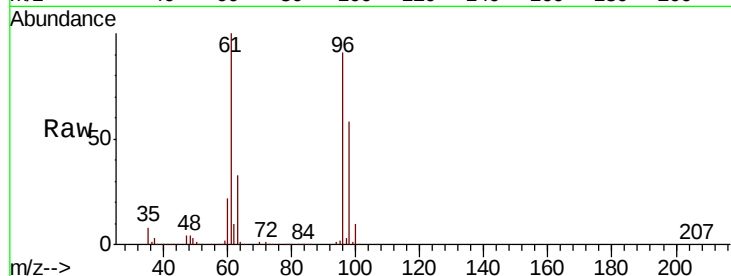


#31

cis-1,2-Dichloroethene
 Concen: 10.802 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VL035629.D
 Acq: 16 Sep 2020 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

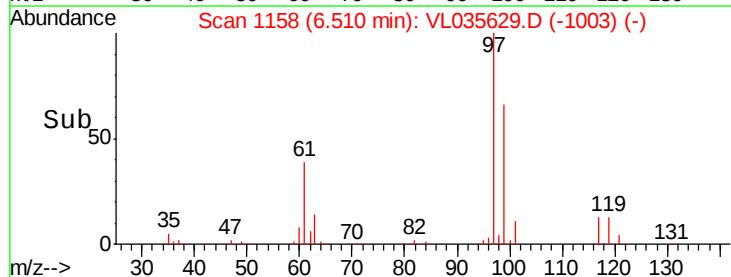
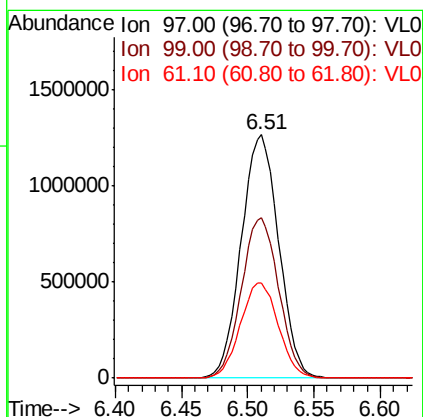
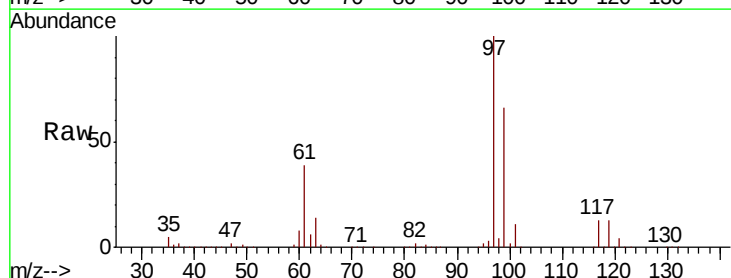
Tot Ion: 61 Resp: 1338797
 Ion Ratio Lower Upper
 61 100
 96 90.6 74.4 111.6
 98 58.2 49.2 73.8

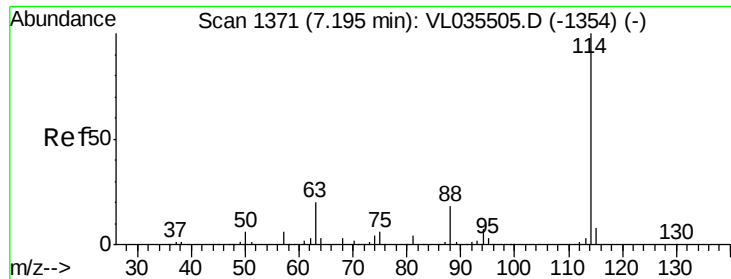


#32

1,1,1-Trichloroethane
 Concen: 10.437 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.00 min
 Lab File: VL035629.D
 Acq: 16 Sep 2020 14:28

Tgt Ion: 97 Resp: 2491995
 Ion Ratio Lower Upper
 97 100
 99 65.9 53.3 79.9
 61 39.8 30.6 46.0

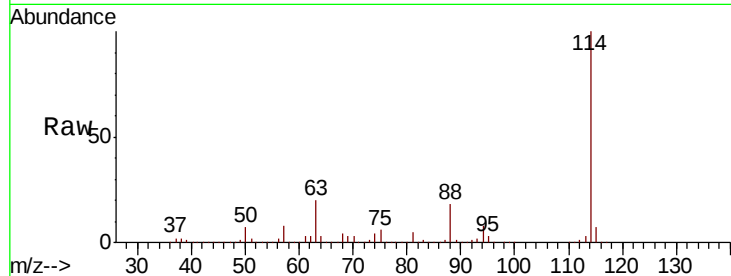




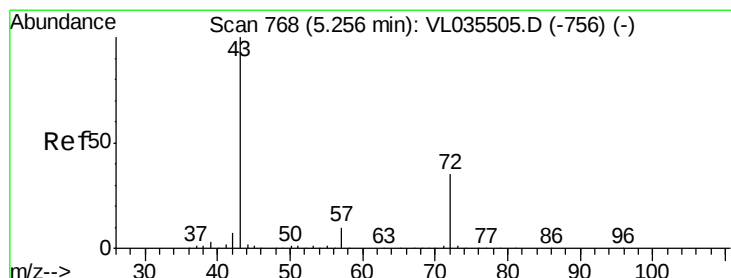
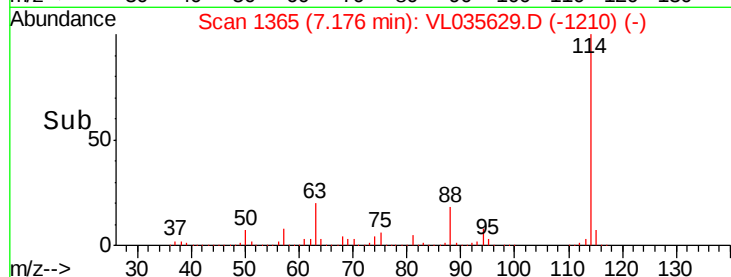
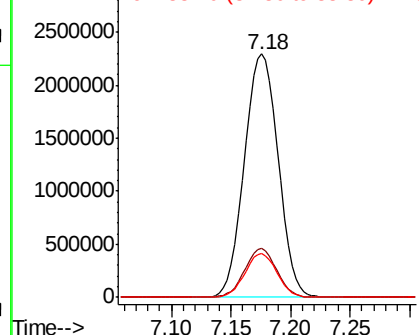
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL035629.D
 Acq: 16 Sep 2020 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Tot Ion:114 Resp: 4521756
 Ion Ratio Lower Upper
 114 100
 63 19.3 14.7 22.1
 88 17.2 13.4 20.2

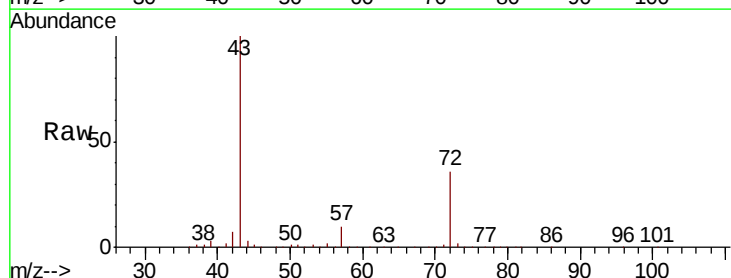


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

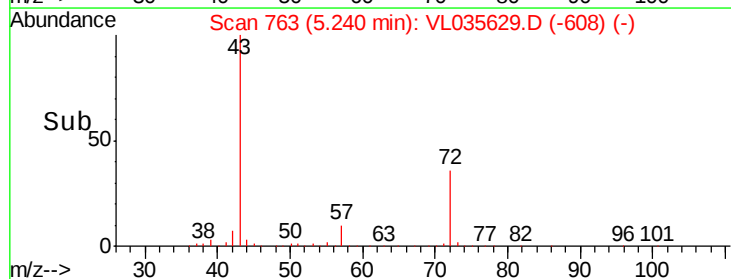
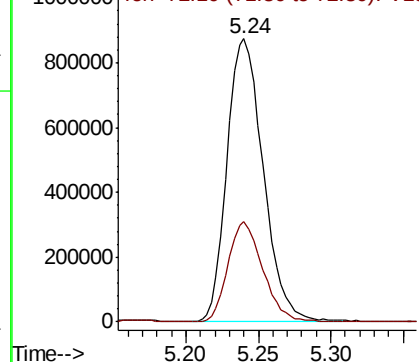


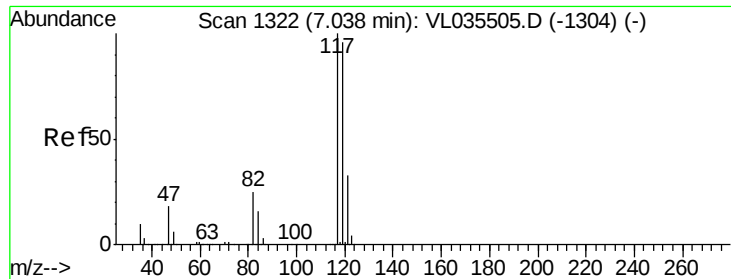
#34
 2-Butanone
 Concen: 11.244 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: VL035629.D
 Acq: 16 Sep 2020 14:28

Tgt Ion: 43 Resp: 1508855
 Ion Ratio Lower Upper
 43 100
 72 34.2 27.7 41.5



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

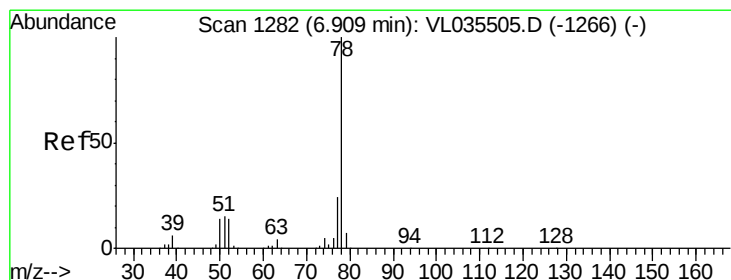
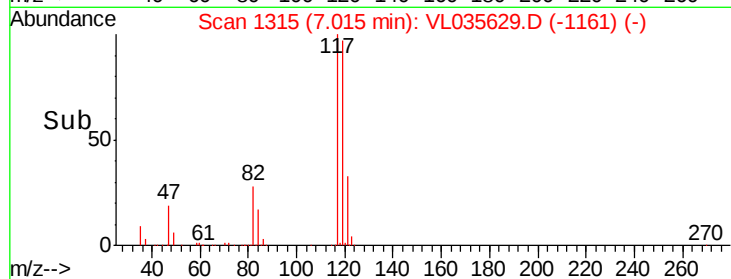
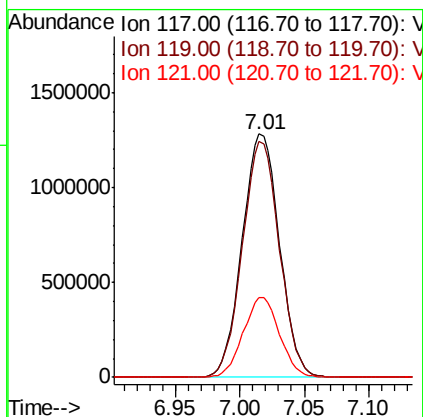
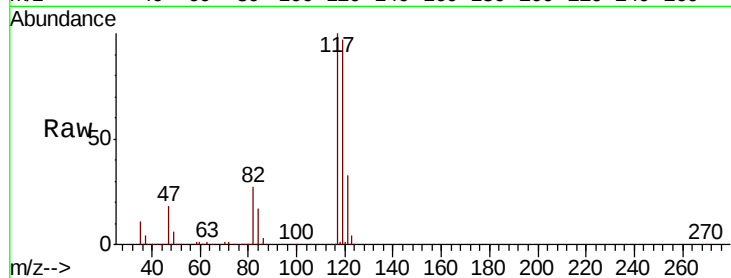




#35
Carbon Tetrachloride
Concen: 11.371 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VL035629.D
Acq: 16 Sep 2020 14:28

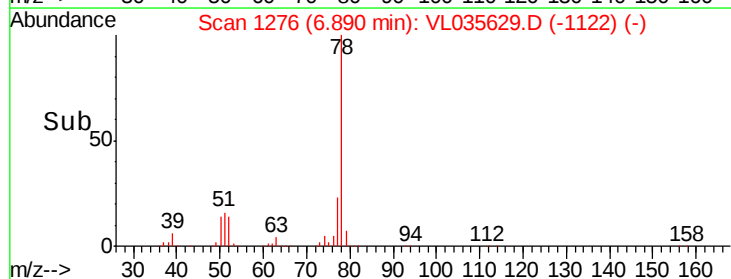
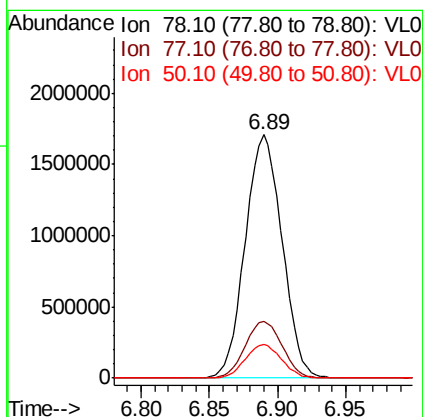
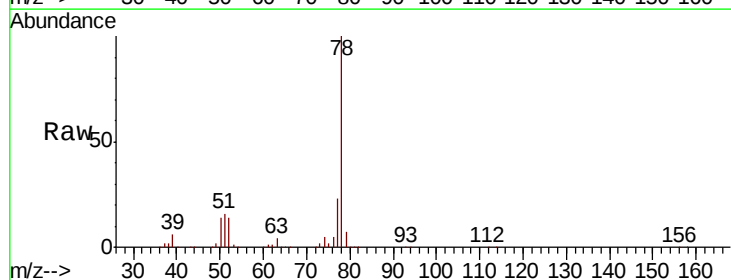
Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

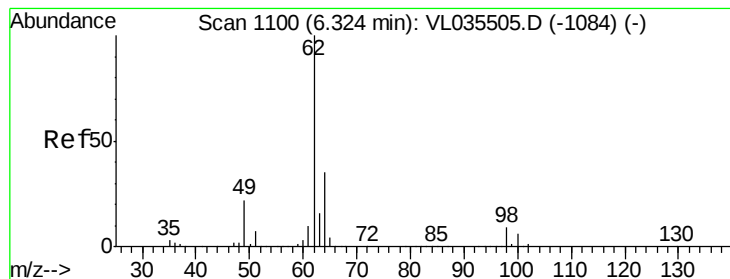
Tot Ion:117 Resp: 2584256
Ion Ratio Lower Upper
117 100
119 96.8 77.2 115.8
121 32.9 26.1 39.1



#36
Benzene
Concen: 10.950 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VL035629.D
Acq: 16 Sep 2020 14:28

Tgt Ion: 78 Resp: 3205181
Ion Ratio Lower Upper
78 100
77 23.3 19.3 28.9
50 13.8 11.0 16.6





#37

1,2-Dichloroethane

Concen: 11.160 ppbv

RT: 6.30 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

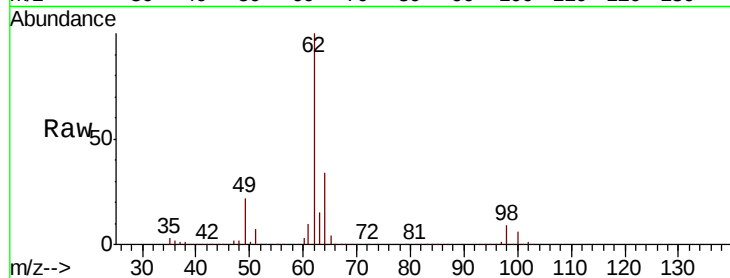
VL0916ABS01

Tot Ion: 62 Resp: 1557320

Ion Ratio Lower Upper

62 100

98 9.0 7.4 11.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.30

800000

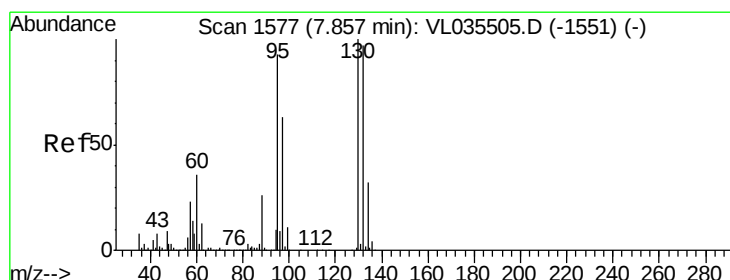
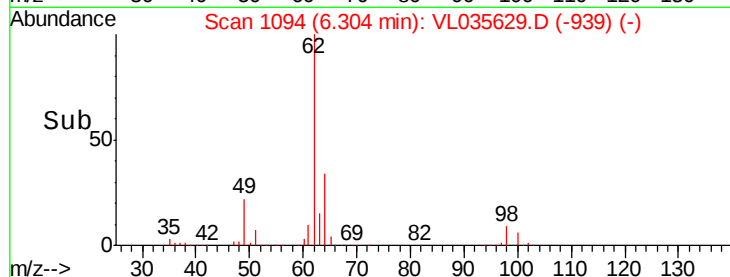
600000

400000

200000

0

Time--> 6.20 6.25 6.30 6.35 6.40



#38

Trichloroethene

Concen: 9.661 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Tgt Ion:130 Resp: 1642586

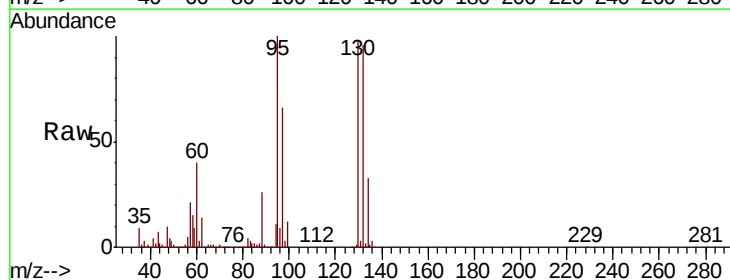
Ion Ratio Lower Upper

130 100

95 102.3 74.6 112.0

132 98.1 77.6 116.4

97 67.4 50.6 76.0



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

7.83

1200000

1000000

800000

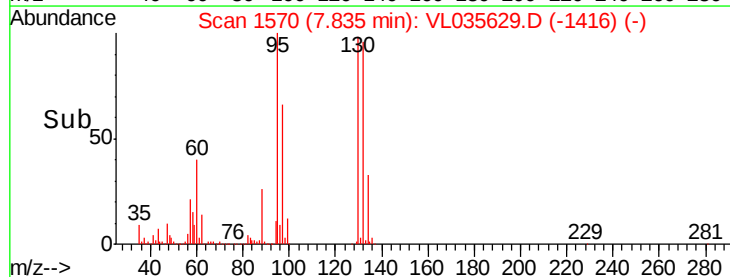
600000

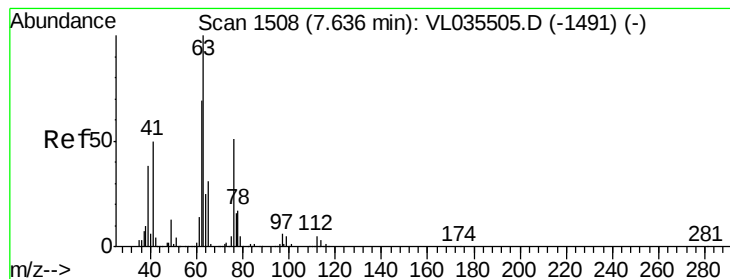
400000

200000

0

Time--> 7.70 7.75 7.80 7.85 7.90





#39

1,2-Dichloropropane

Concen: 10.984 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

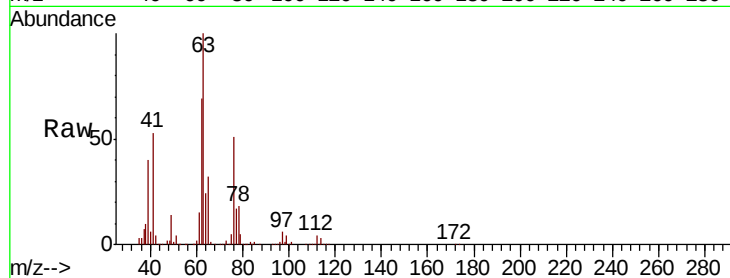
Tot Ion: 63 Resp: 1086106

Ion Ratio Lower Upper

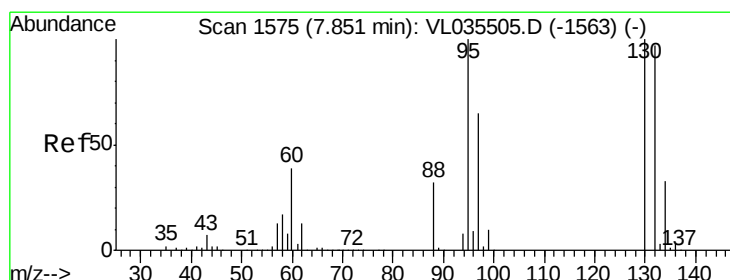
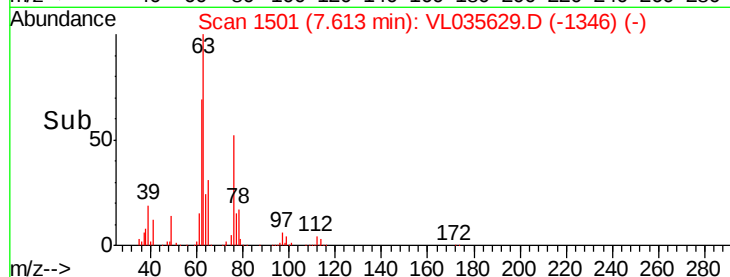
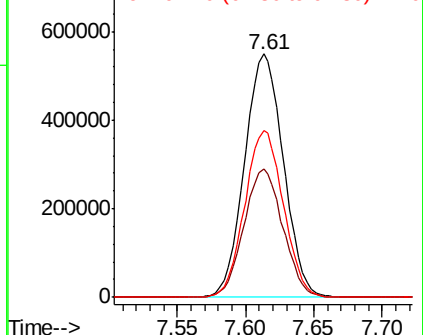
63 100

41 52.7 40.0 60.0

62 68.8 55.4 83.0



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.860 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Tgt Ion: 88 Resp: 536396

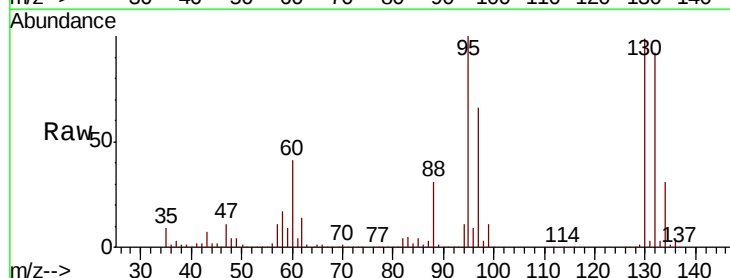
Ion Ratio Lower Upper

88 100

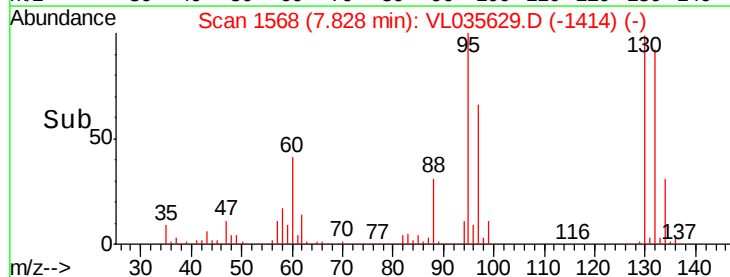
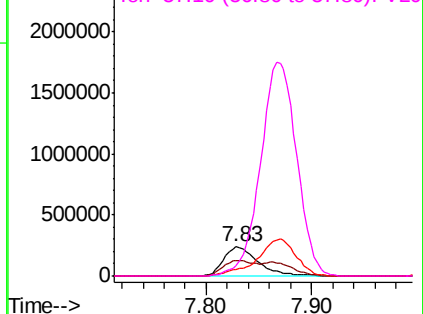
58 91.5 68.7 103.1

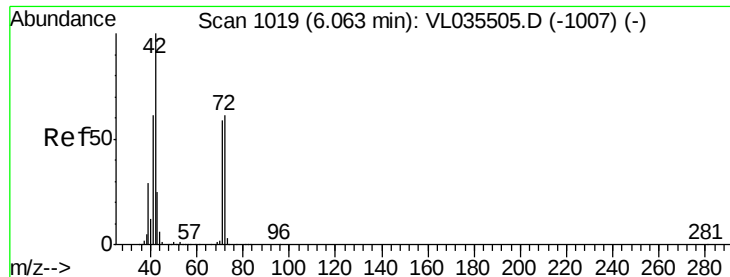
43 144.3 104.3 156.5

57 779.8 560.7 841.1



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.850 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

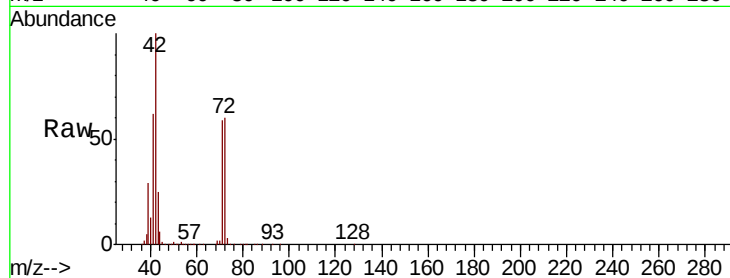
Tot Ion: 42 Resp: 843249

Ion Ratio Lower Upper

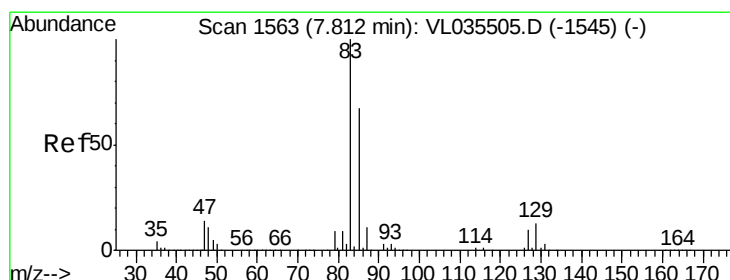
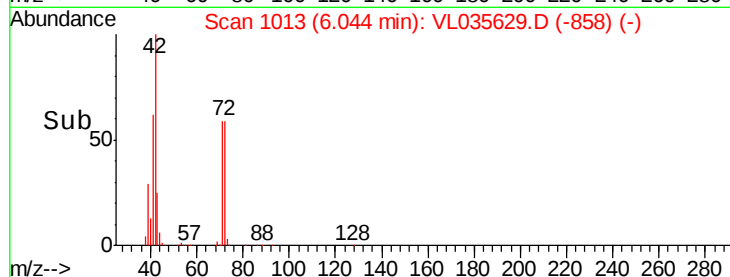
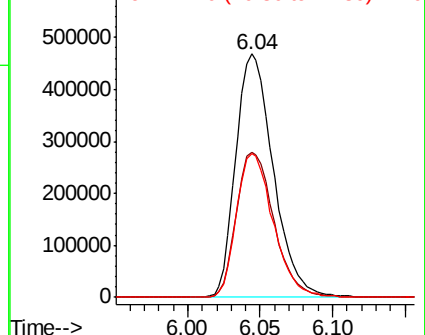
42 100

72 60.0 48.6 73.0

71 58.4 46.1 69.1



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



#42

Bromodichloromethane

Concen: 11.830 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

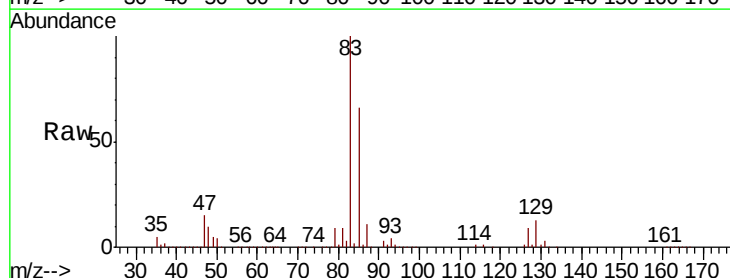
Tgt Ion: 83 Resp: 2669695

Ion Ratio Lower Upper

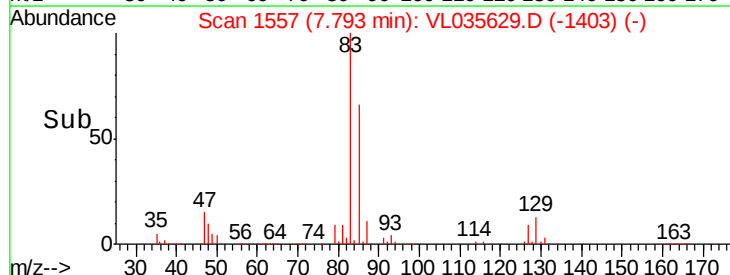
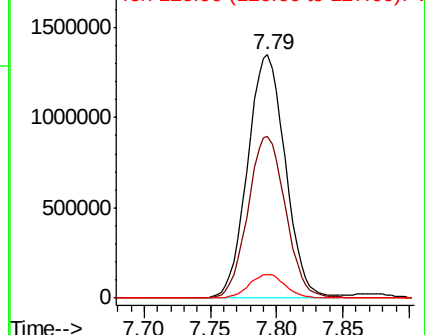
83 100

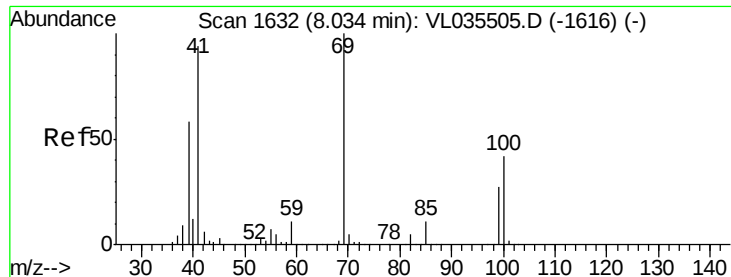
85 66.4 53.7 80.5

127 9.4 8.1 12.1



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

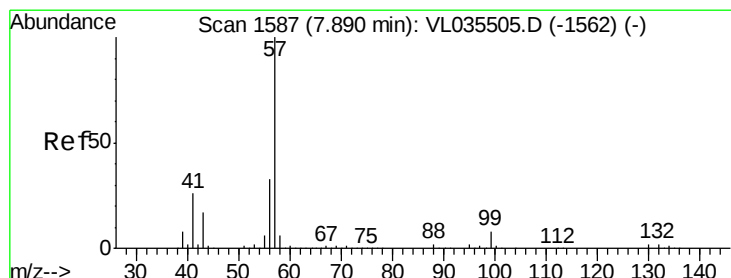
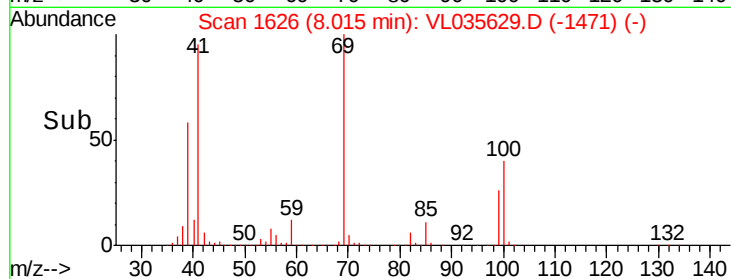
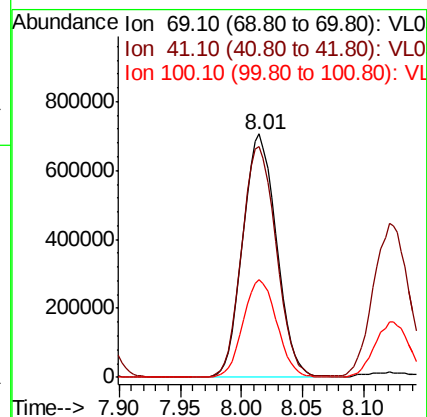
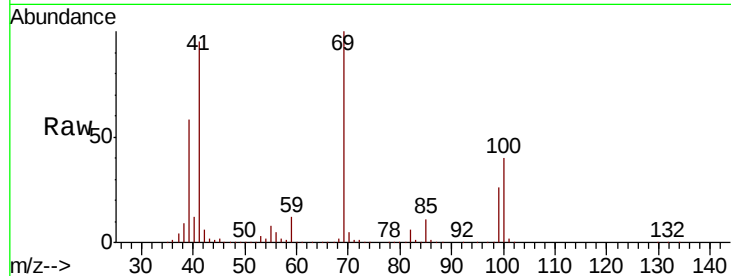




#43
Methyl Methacrylate
Concen: 11.921 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VL035629.D
Acq: 16 Sep 2020 14:28

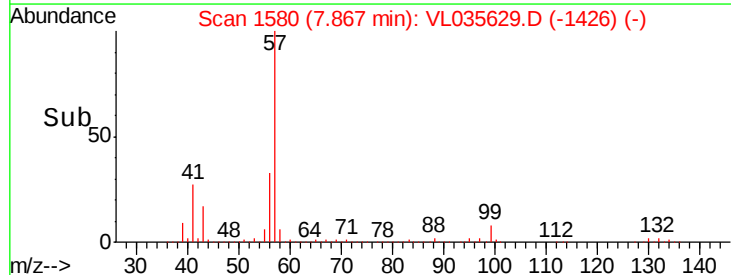
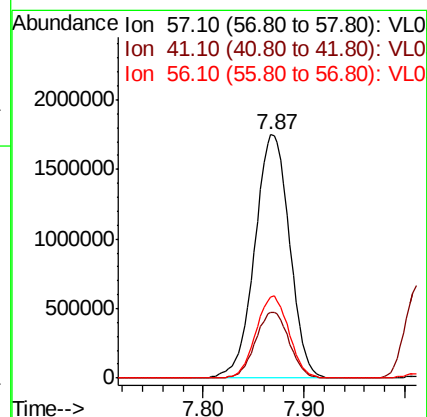
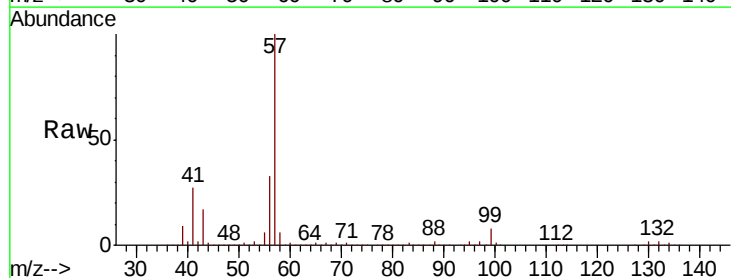
Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

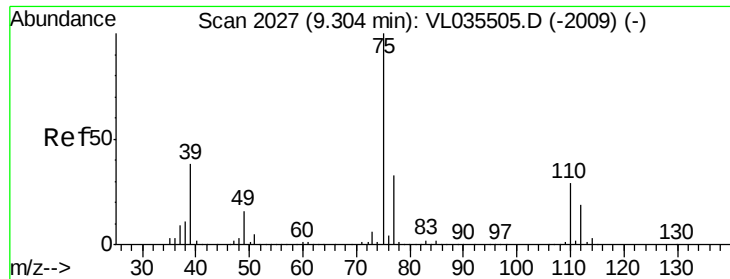
Tot Ion: 69 Resp: 1349173
Ion Ratio Lower Upper
69 100
41 96.8 76.6 114.8
100 40.1 33.8 50.6



#44
2,2,4-Trimethylpentane
Concen: 10.853 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VL035629.D
Acq: 16 Sep 2020 14:28

Tgt Ion: 57 Resp: 4179664
Ion Ratio Lower Upper
57 100
41 26.2 20.5 30.7
56 32.0 25.3 37.9

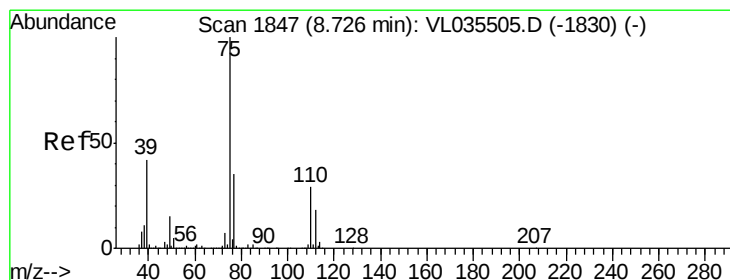
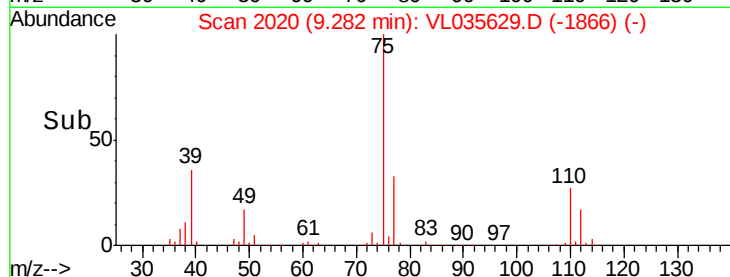
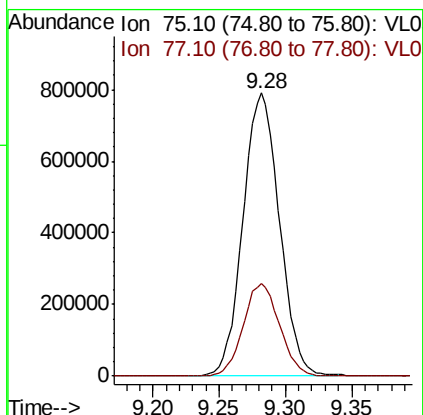
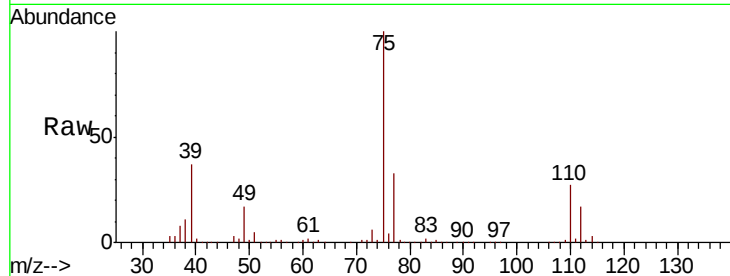




#45
 t-1,3-Dichloropropene
 Concen: 13.170 ppbv
 RT: 9.28 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: VL035629.D
 Acq: 16 Sep 2020 14:28

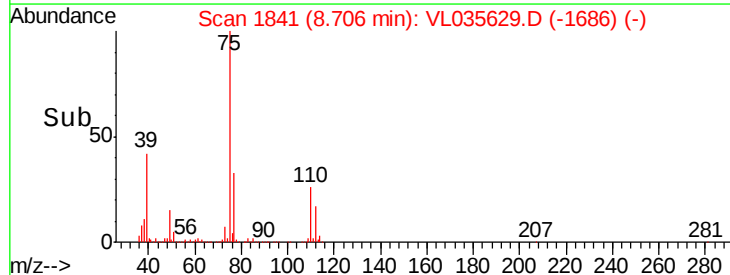
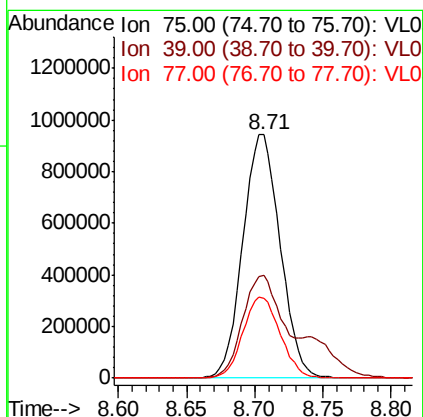
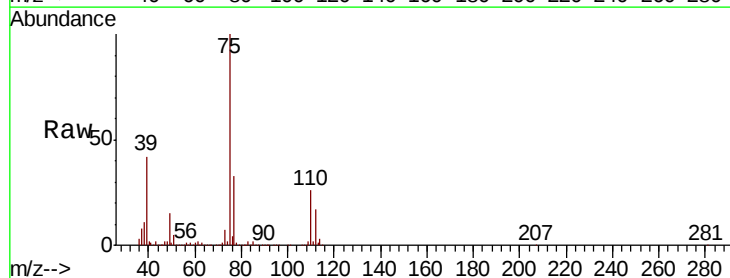
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

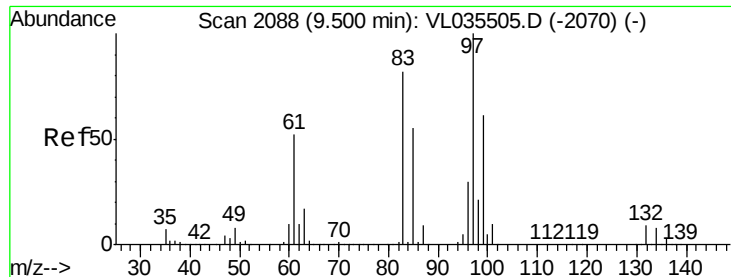
Tot Ion: 75 Resp: 1509998
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.5 39.7



#46
 cis-1,3-Dichloropropene
 Concen: 12.590 ppbv
 RT: 8.71 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VL035629.D
 Acq: 16 Sep 2020 14:28

Tgt Ion: 75 Resp: 1792265
 Ion Ratio Lower Upper
 75 100
 39 42.0 33.7 50.5
 77 32.9 27.8 41.6



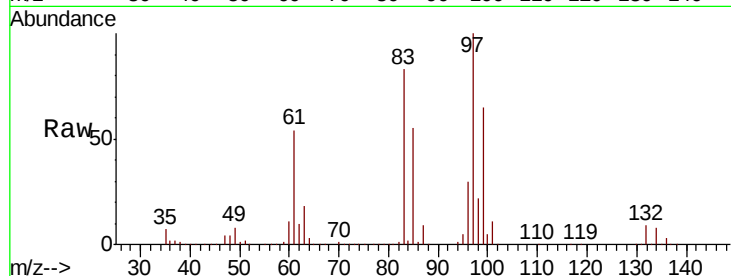


#47
 1,1,2-Trichloroethane
 Concen: 10.910 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. -0.00 min
 Lab File: VL035629.D
 Acq: 16 Sep 2020 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Tot Ion: 97 Resp: 1591814

Ion	Ratio	Lower	Upper
97	100		
83	82.9	65.4	98.2
85	55.2	43.7	65.5
99	64.8	49.1	73.7



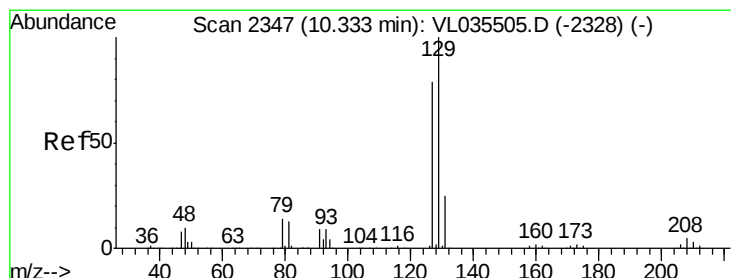
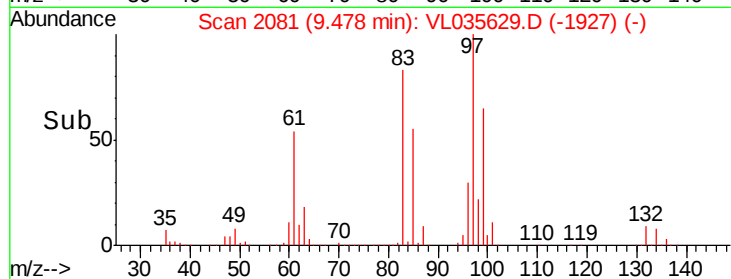
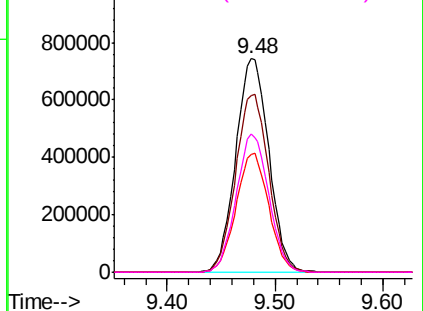
Abundance

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

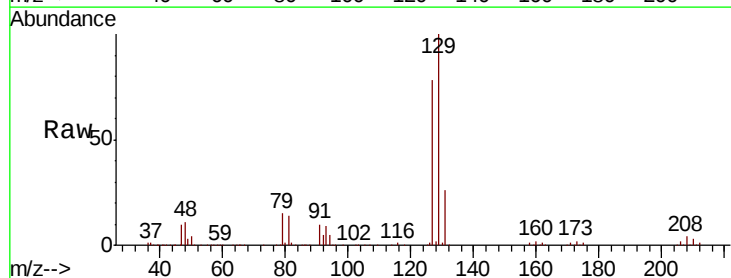
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 11.791 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. -0.00 min
 Lab File: VL035629.D
 Acq: 16 Sep 2020 14:28

Tgt Ion: 129 Resp: 2707520

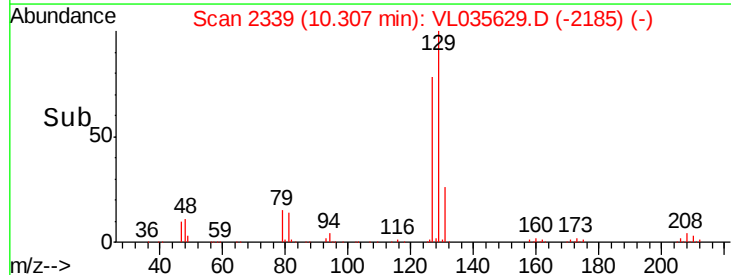
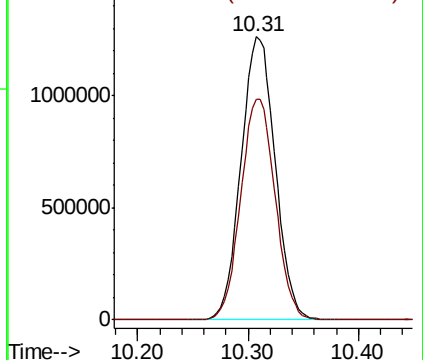
Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.8

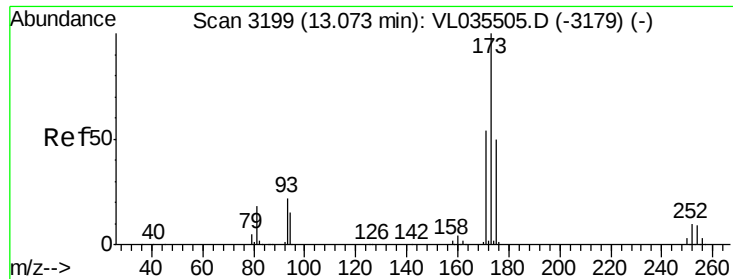


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.939 ppbv

RT: 13.05 min Scan# 3192

Delta R.T. -0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

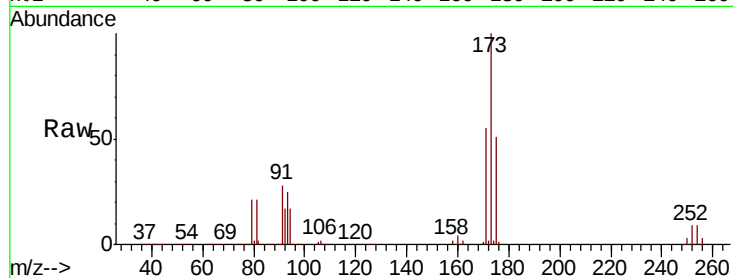
Tot Ion:173 Resp: 2484593

Ion Ratio Lower Upper

173 100

175 50.0 39.8 59.8

171 53.5 42.4 63.6

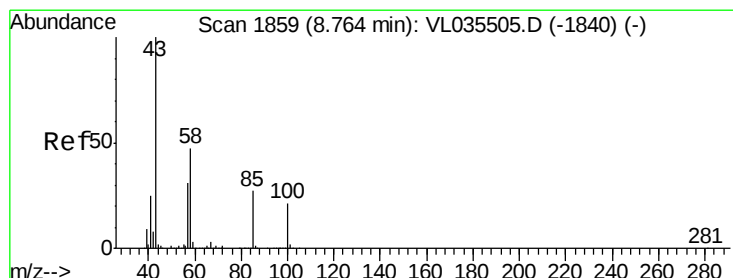
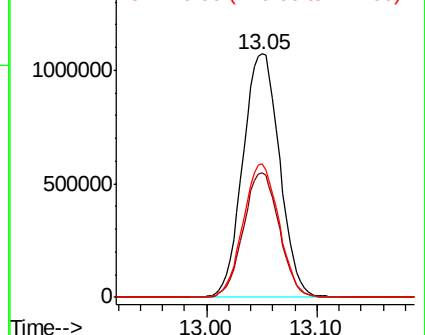
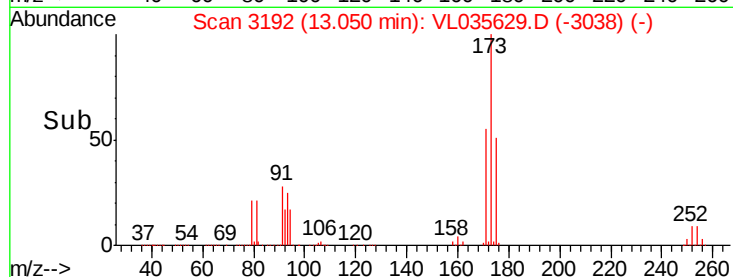


Abundance

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: 11.637 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VL035629.D

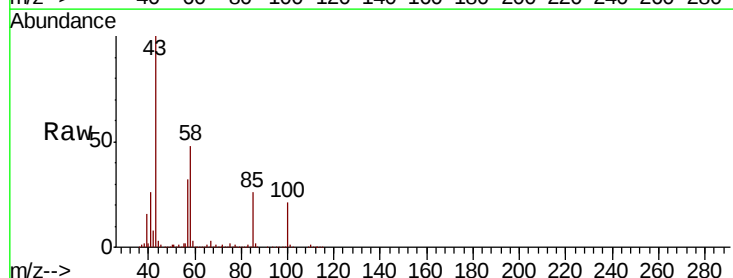
Acq: 16 Sep 2020 14:28

Tgt Ion: 43 Resp: 2261214

Ion Ratio Lower Upper

43 100

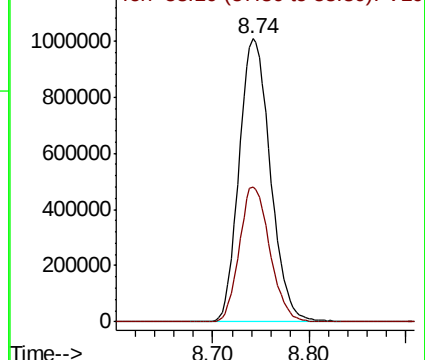
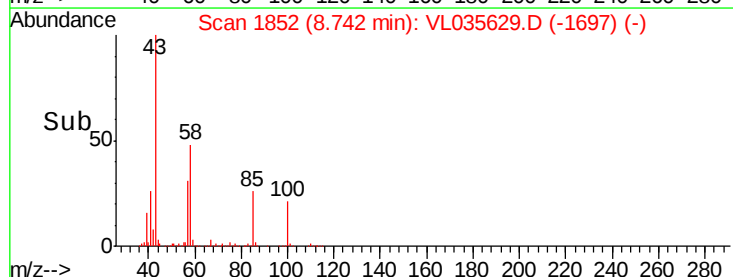
58 46.8 37.4 56.0

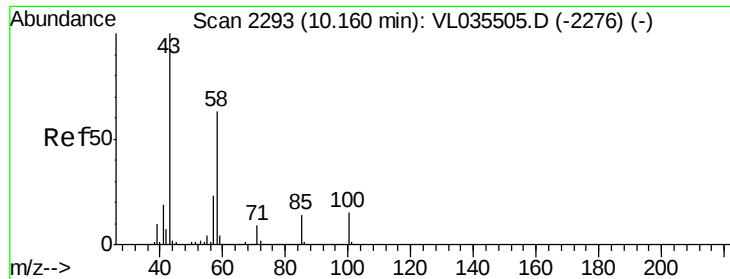


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

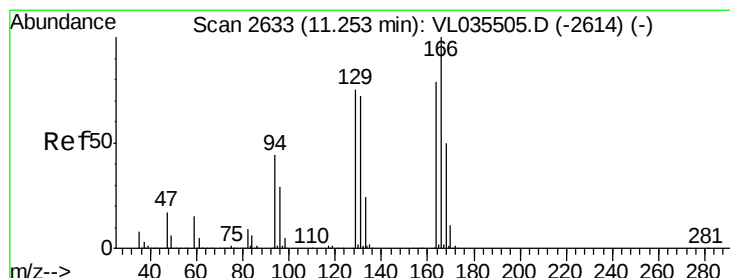
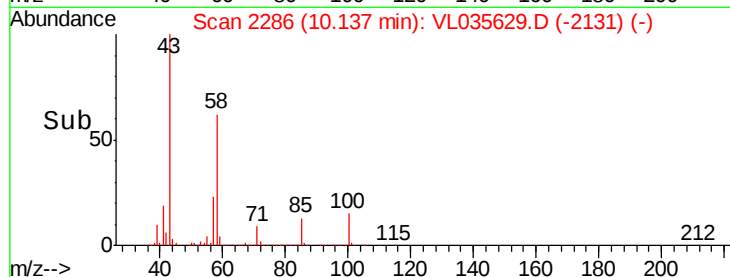
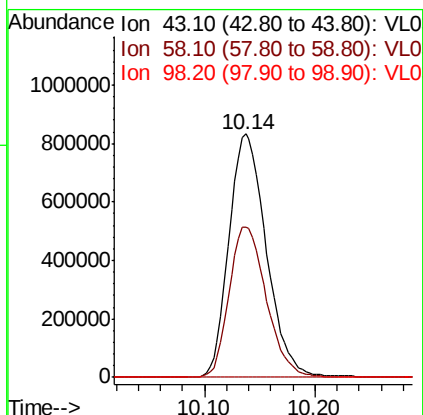
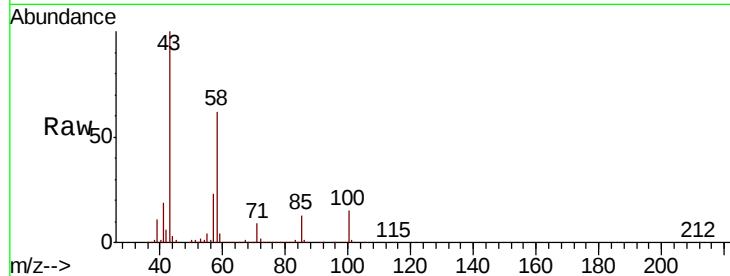




#51
2-Hexanone
Concen: 12.250 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VL035629.D
Acq: 16 Sep 2020 14:28

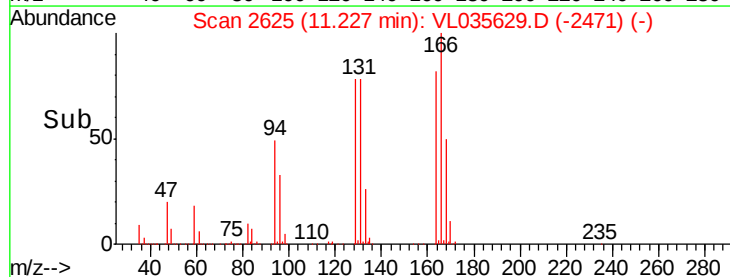
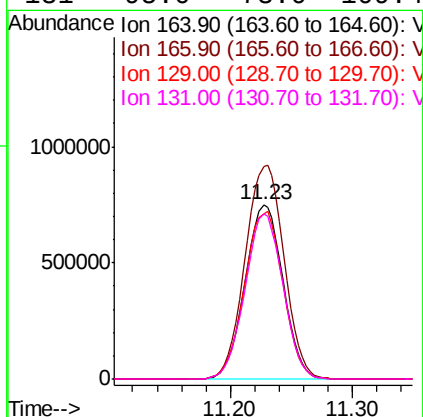
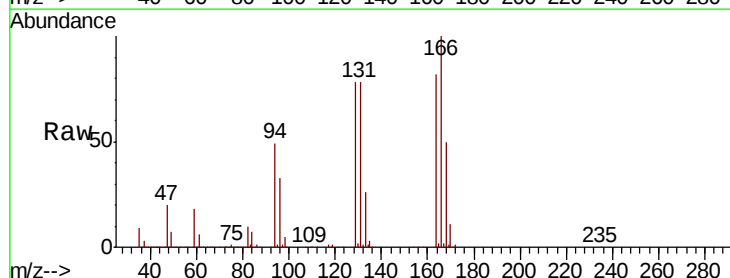
Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

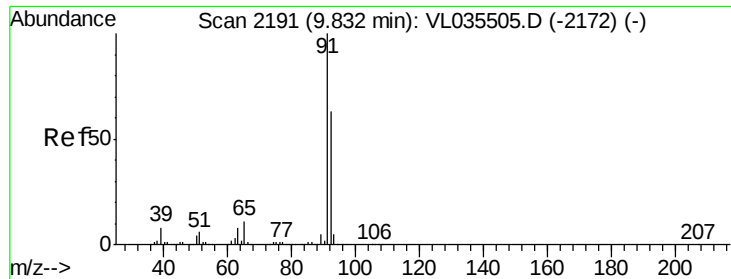
Tot Ion: 43 Resp: 1952625
Ion Ratio Lower Upper
43 100
58 61.9 50.2 75.4
98 0.6 0.4 0.6



#52
Tetrachloroethene
Concen: 9.412 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL035629.D
Acq: 16 Sep 2020 14:28

Tgt Ion: 164 Resp: 1609338
Ion Ratio Lower Upper
164 100
166 122.0 100.9 151.3
129 94.7 75.3 112.9
131 95.0 73.0 109.4





#53

Toluene

Concen: 11.051 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

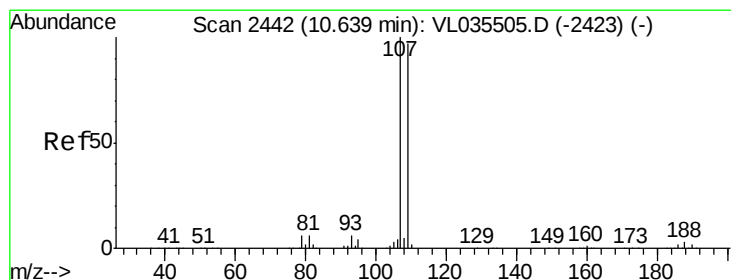
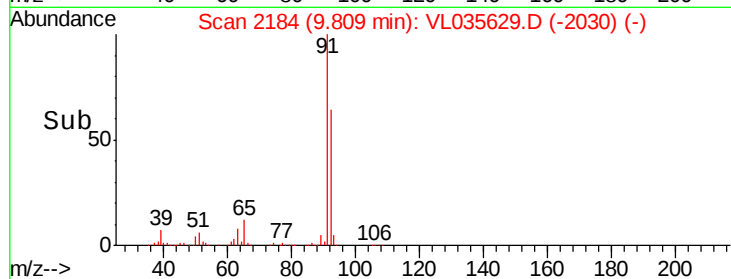
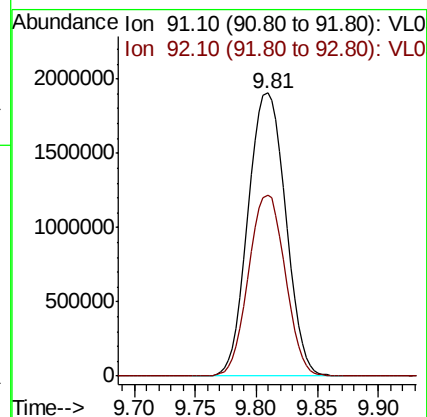
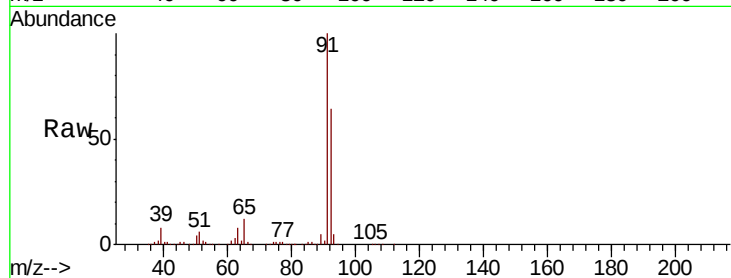
VL0916ABS01

Tot Ion: 91 Resp: 4067784

Ion Ratio Lower Upper

91 100

92 62.5 49.8 74.8



#54

1,2-Dibromoethane

Concen: 10.891 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VL035629.D

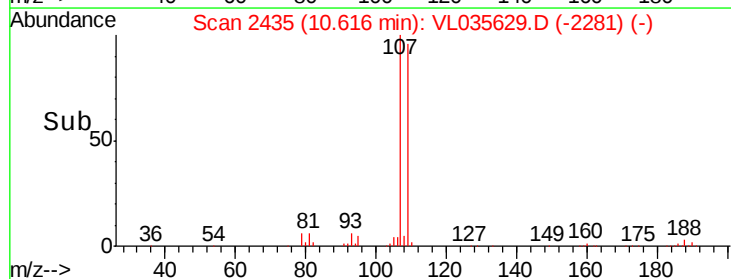
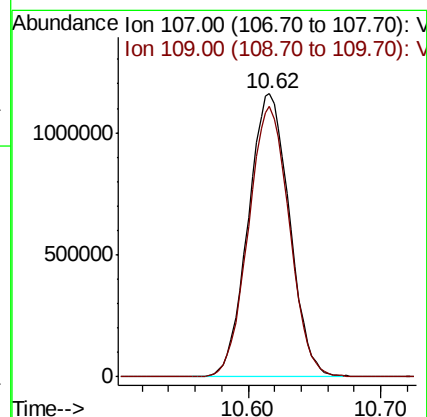
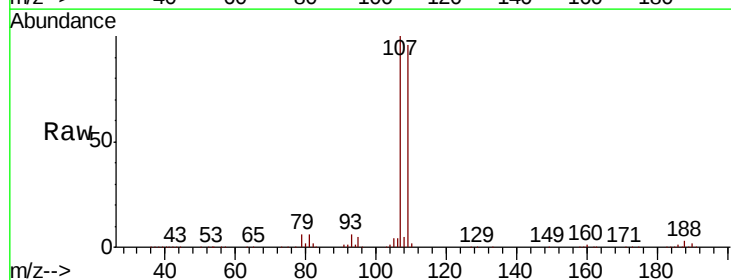
Acq: 16 Sep 2020 14:28

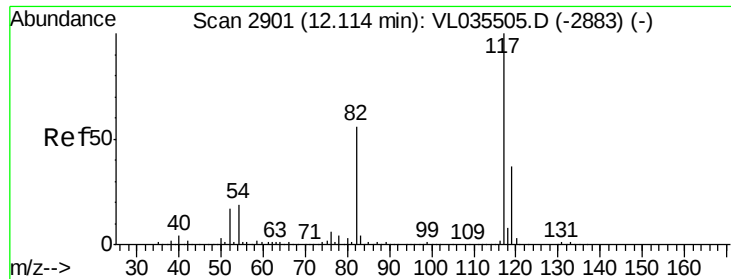
Tgt Ion: 107 Resp: 2510719

Ion Ratio Lower Upper

107 100

109 95.7 77.8 116.8

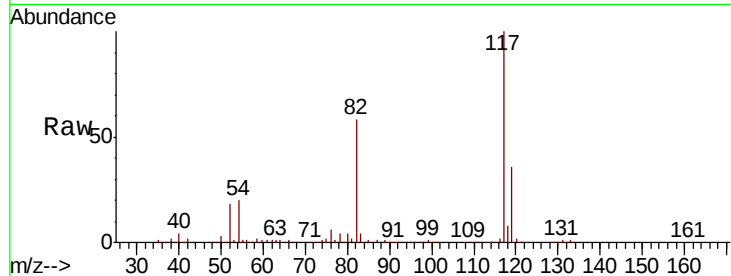




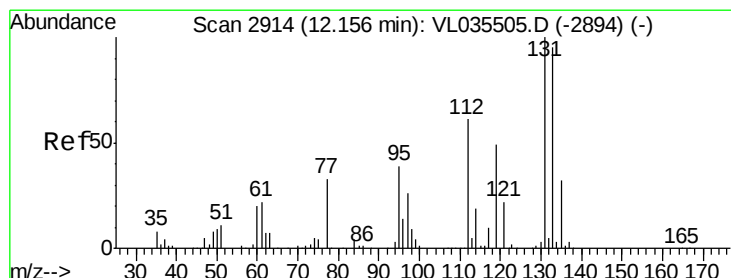
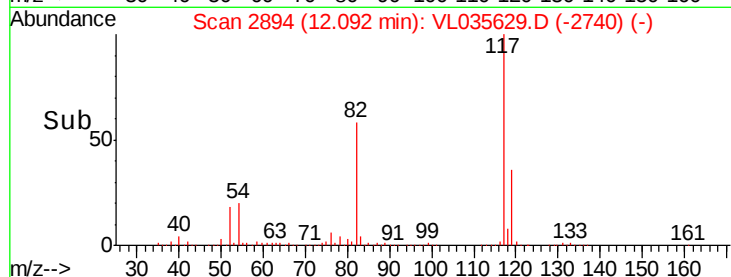
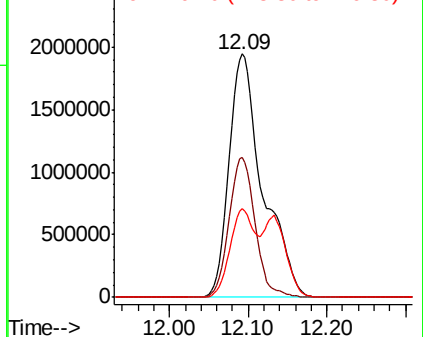
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL035629.D
Acq: 16 Sep 2020 14:28

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion:117 Resp: 5790756
Ion Ratio Lower Upper
117 100
82 44.4 41.6 62.4
119 27.5 29.3 43.9#

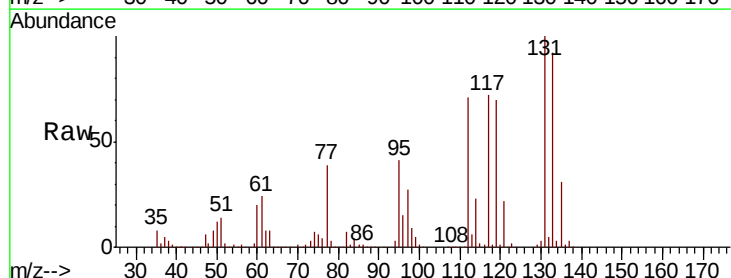


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

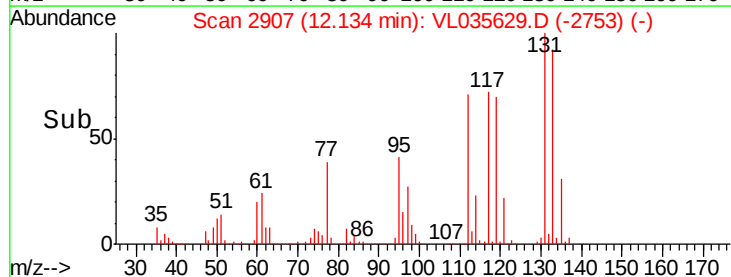
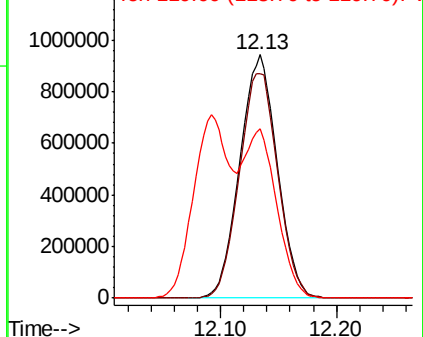


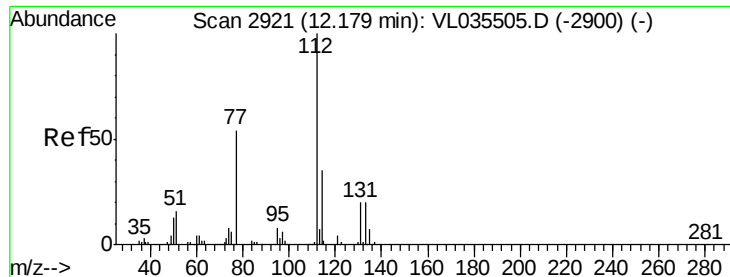
#56
1,1,1,2-Tetrachloroethane
Concen: 8.941 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL035629.D
Acq: 16 Sep 2020 14:28

Tgt Ion:131 Resp: 2106656
Ion Ratio Lower Upper
131 100
133 95.6 76.6 115.0
119 71.5 51.6 77.4



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V

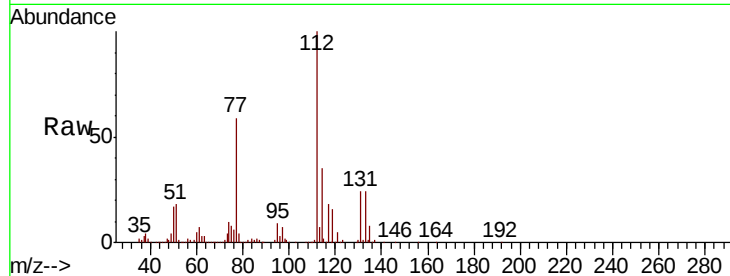




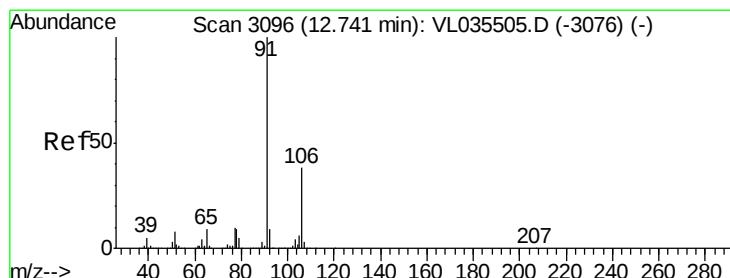
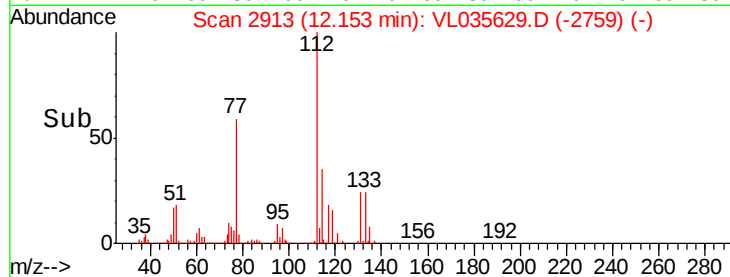
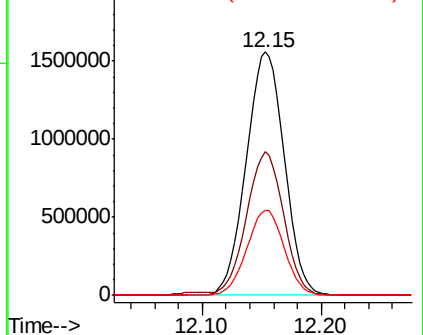
#57
Chlorobenzene
Concen: 8.122 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL035629.D
Acq: 16 Sep 2020 14:28

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion:112 Resp: 3461350
Ion Ratio Lower Upper
112 100
77 58.9 44.2 66.4
114 34.9 31.6 38.6

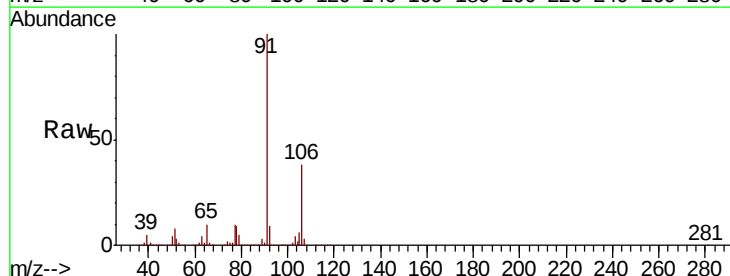


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

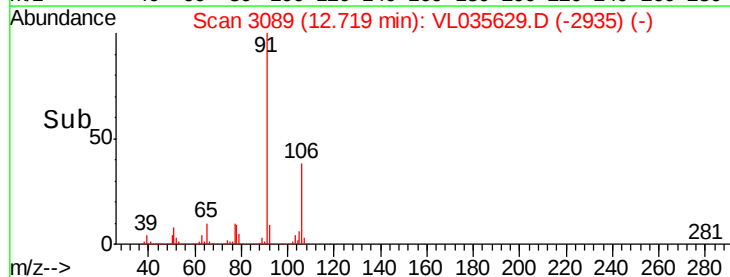
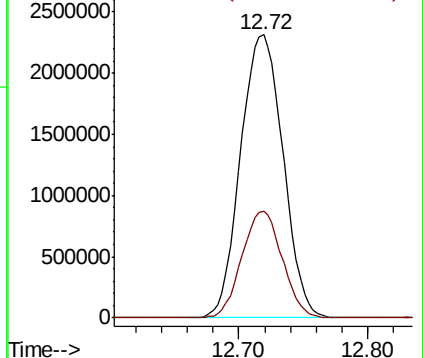


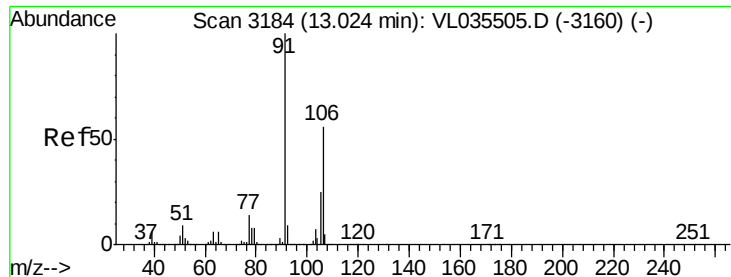
#58
Ethyl Benzene
Concen: 8.898 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. -0.00 min
Lab File: VL035629.D
Acq: 16 Sep 2020 14:28

Tgt Ion: 91 Resp: 5313228
Ion Ratio Lower Upper
91 100
106 37.8 30.3 45.5



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

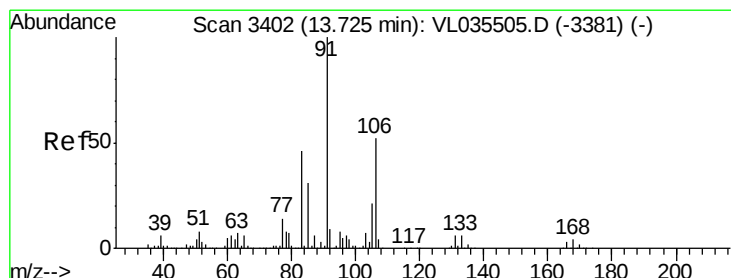
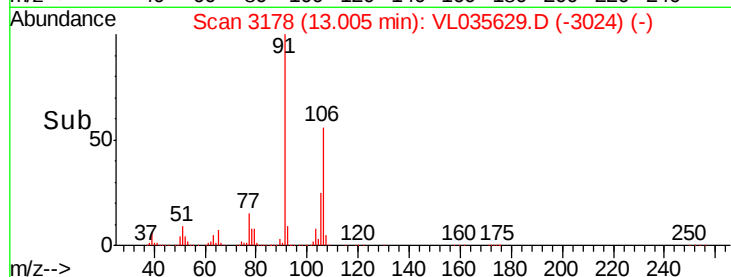
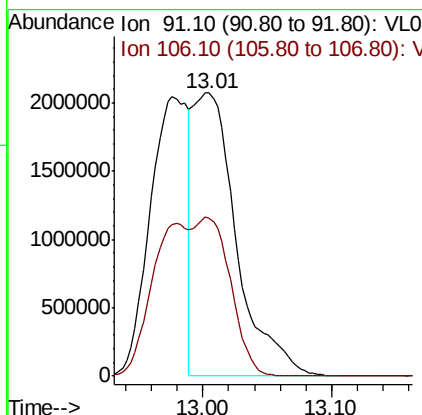
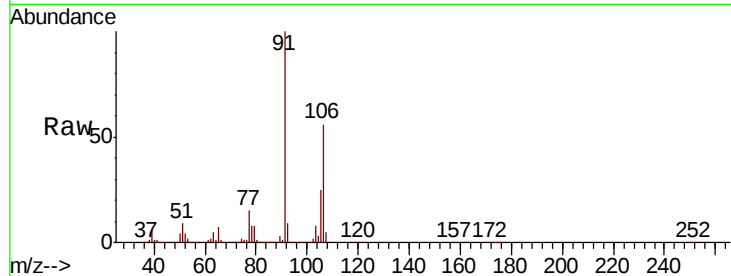




#59
m/p-Xylene
Concen: 9.708 ppbv
RT: 13.01 min Scan# 3178
Delta R.T. -0.00 min
Lab File: VL035629.D
Acq: 16 Sep 2020 14:28

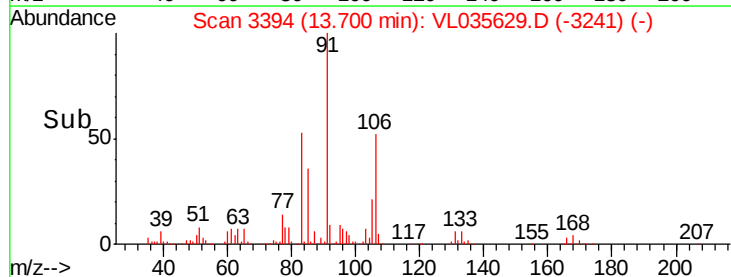
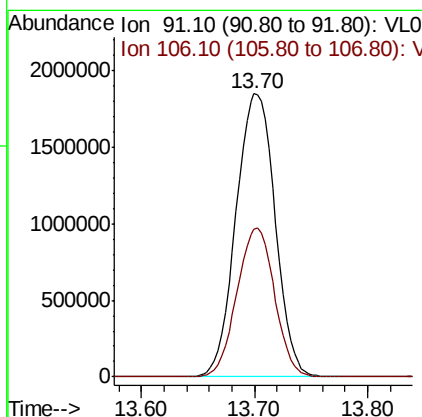
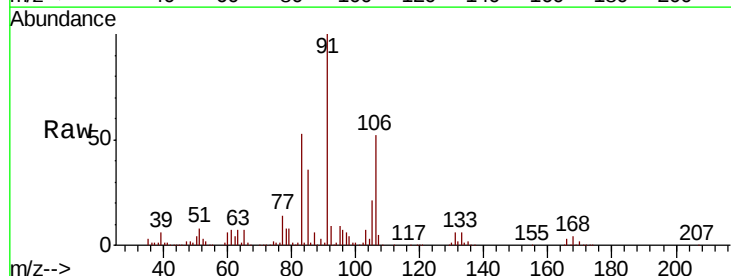
Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

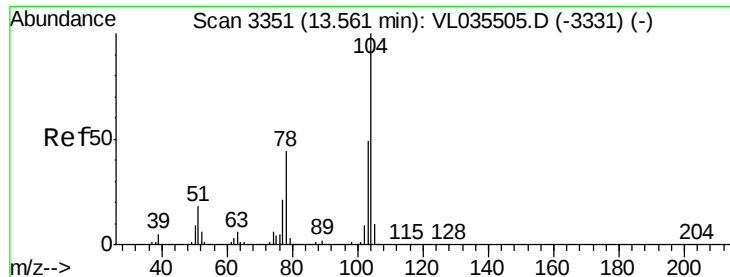
Tot Ion: 91 Resp: 4843946
Ion Ratio Lower Upper
91 100
106 94.8 43.4 65.2#



#60
o-Xylene
Concen: 8.840 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL035629.D
Acq: 16 Sep 2020 14:28

Tgt Ion: 91 Resp: 4442234
Ion Ratio Lower Upper
91 100
106 50.8 25.8 77.4





#61

Stvrene

Concen: 9.291 ppbv

RT: 13.54 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

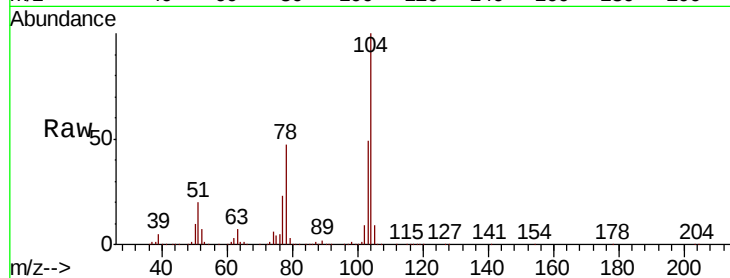
Tot Ion:104 Resp: 3571200

Ion Ratio Lower Upper

104 100

78 45.2 34.8 52.2

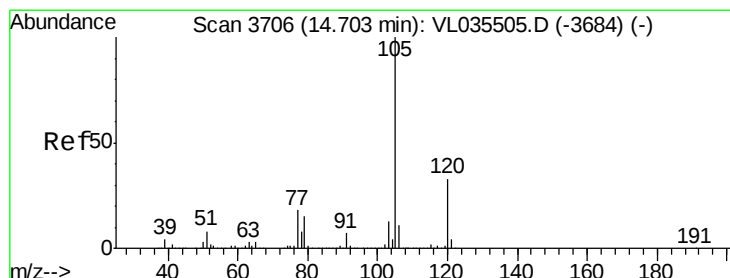
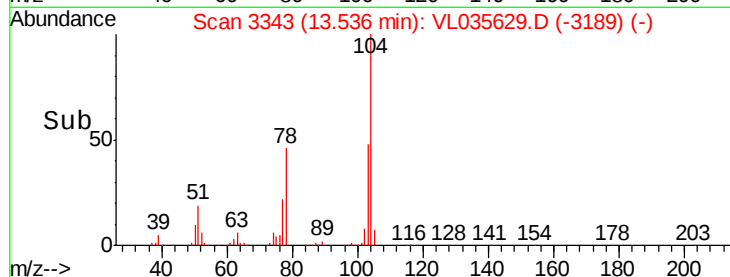
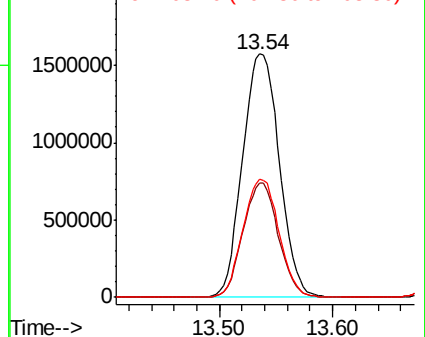
103 47.7 38.2 57.4



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: 8.313 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. -0.00 min

Lab File: VL035629.D

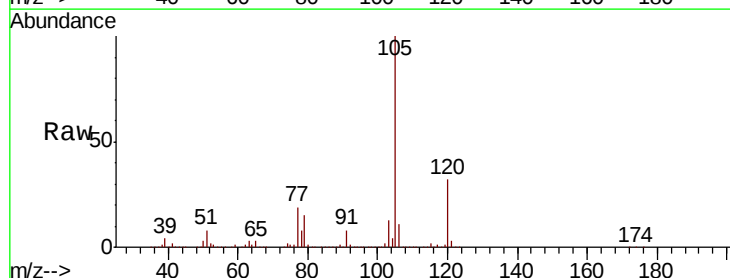
Acq: 16 Sep 2020 14:28

Tgt Ion:105 Resp: 6711117

Ion Ratio Lower Upper

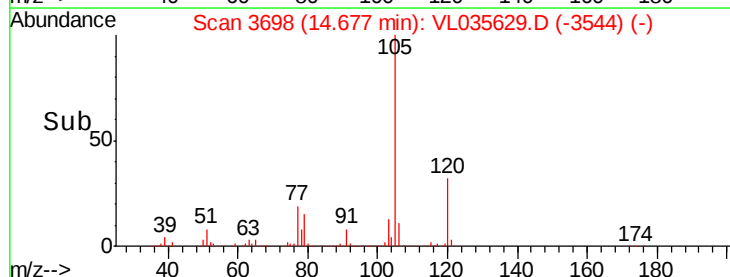
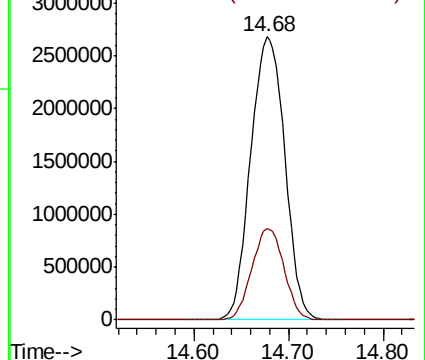
105 100

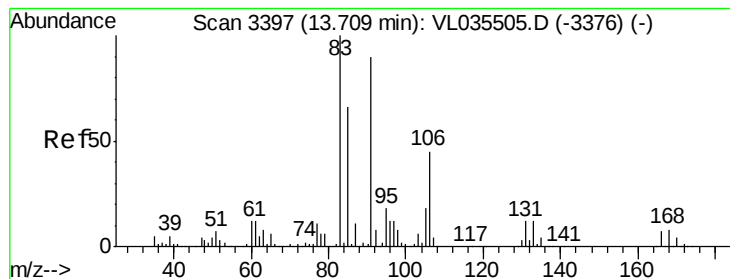
120 30.5 25.0 37.4



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: 8.318 ppbv

RT: 13.69 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

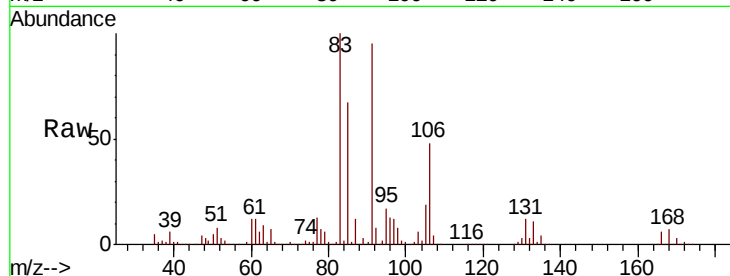
Tot Ion: 83 Resp: 3240727

Ion	Ratio	Lower	Upper
83	100		
131	11.2	6.0	18.0
85	67.1	33.4	100.2

83 100

131 11.2 6.0 18.0

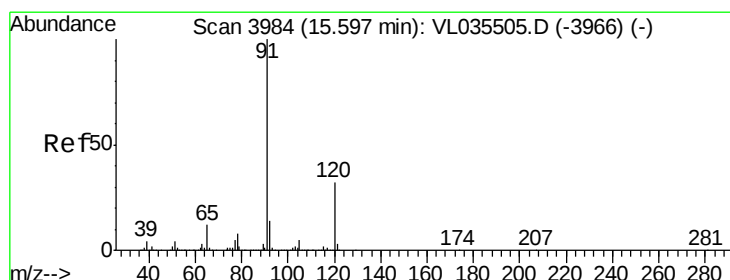
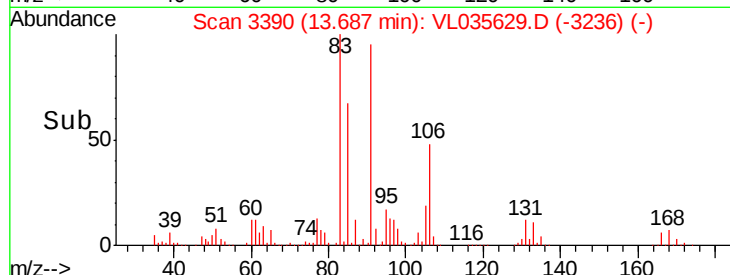
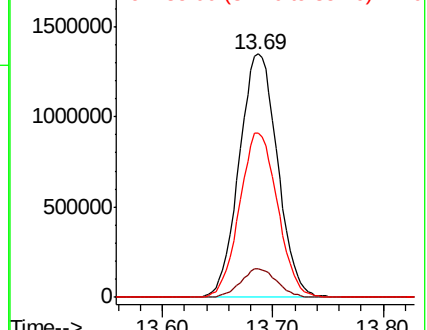
85 67.1 33.4 100.2



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: 8.631 ppbv

RT: 15.57 min Scan# 3977

Delta R.T. -0.00 min

Lab File: VL035629.D

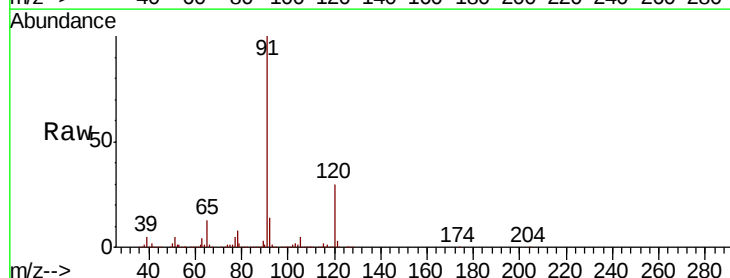
Acq: 16 Sep 2020 14:28

Tgt Ion:120 Resp: 2126197

Ion	Ratio	Lower	Upper
120	100		
91	362.8	279.4	419.0

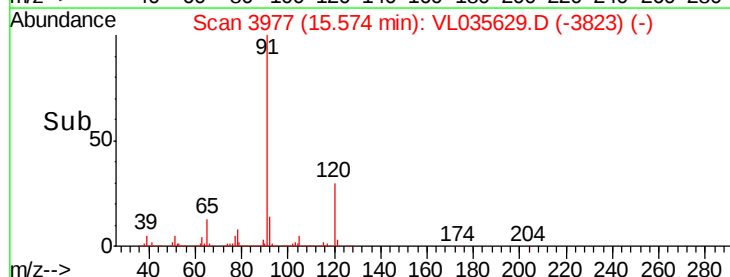
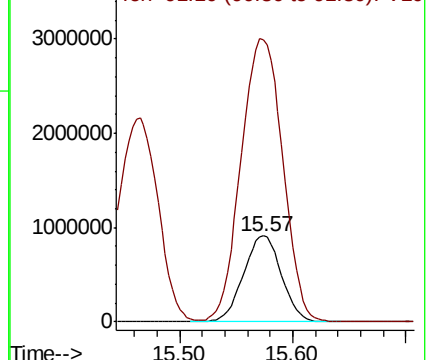
120 100

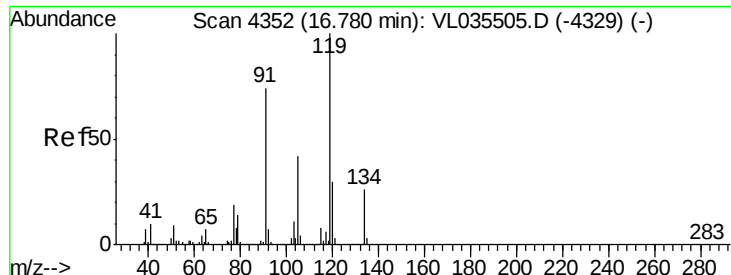
91 362.8 279.4 419.0



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

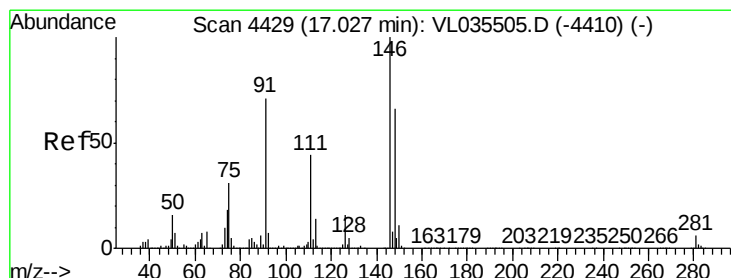
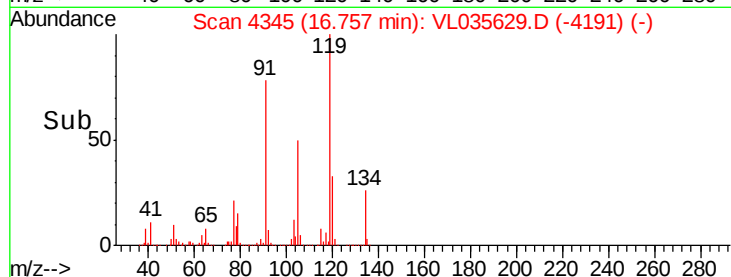
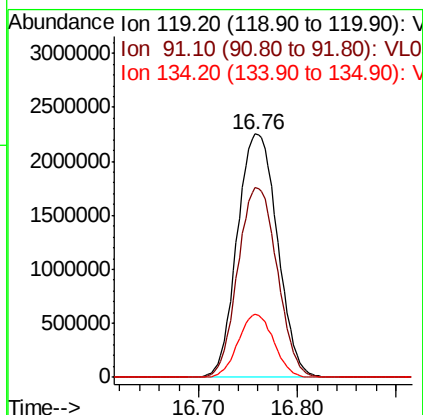
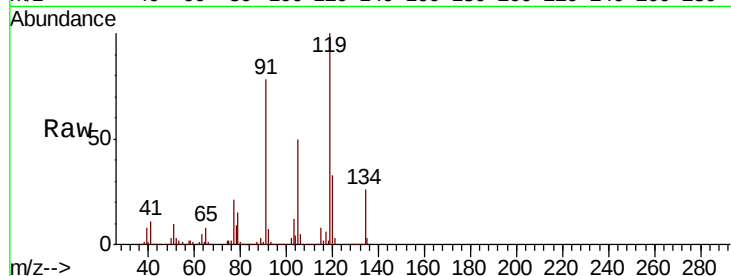




#65
tert-Butylbenzene
Concen: 8.448 ppbv
RT: 16.76 min Scan# 4345
Delta R.T. -0.00 min
Lab File: VL035629.D
Acq: 16 Sep 2020 14:28

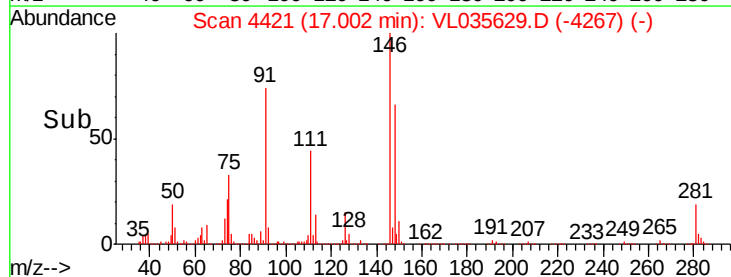
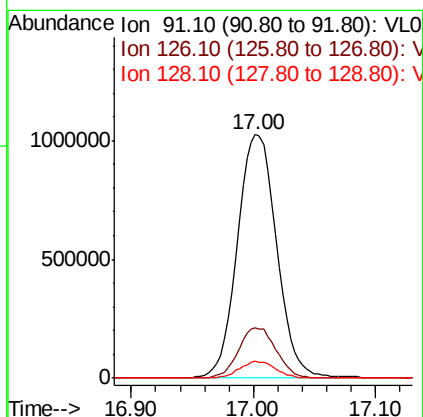
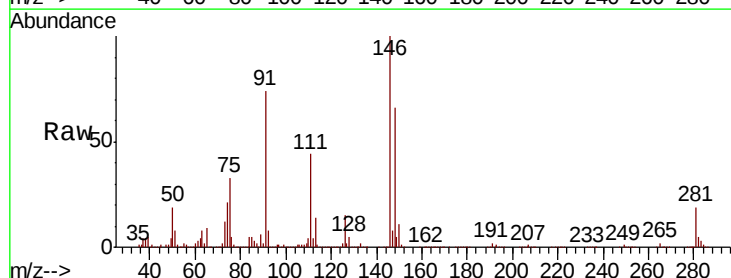
Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

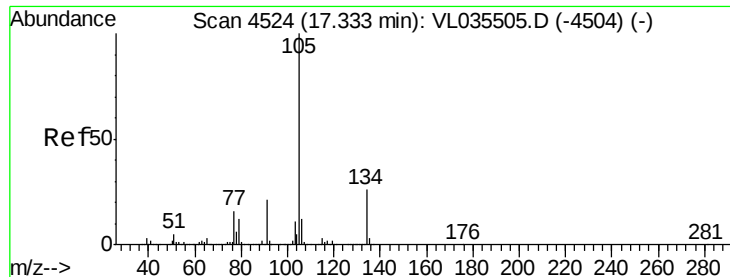
Tot Ion:119 Resp: 6339546
Ion Ratio Lower Upper
119 100
91 76.6 58.6 87.8
134 23.1 18.9 28.3



#66
Benzyl Chloride
Concen: 12.130 ppbv
RT: 17.00 min Scan# 4421
Delta R.T. -0.00 min
Lab File: VL035629.D
Acq: 16 Sep 2020 14:28

Tgt Ion: 91 Resp: 2262292
Ion Ratio Lower Upper
91 100
126 20.2 17.2 25.8
128 6.4 5.5 8.3





#67

sec-Butylbenzene

Concen: 8.360 ppbv

RT: 17.31 min Scan# 4516

Delta R.T. -0.01 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

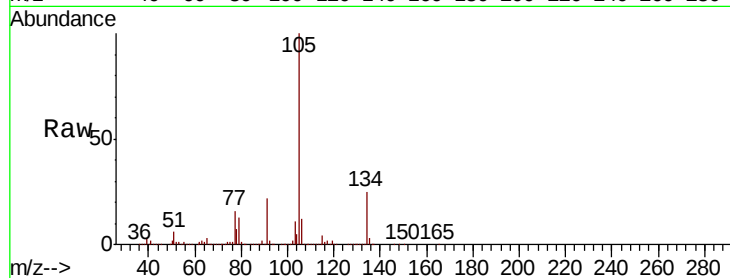
VL0916ABS01

Tot Ion:105 Resp: 8357964

Ion Ratio Lower Upper

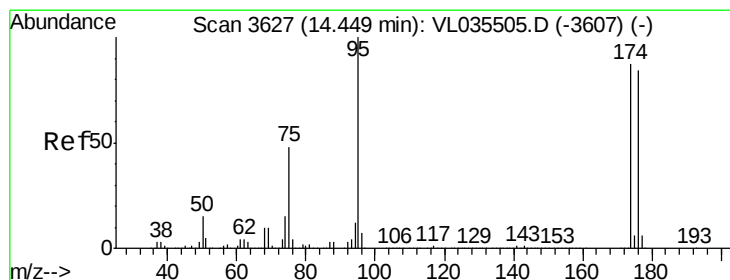
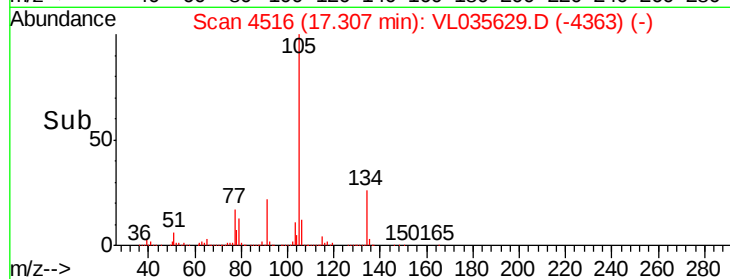
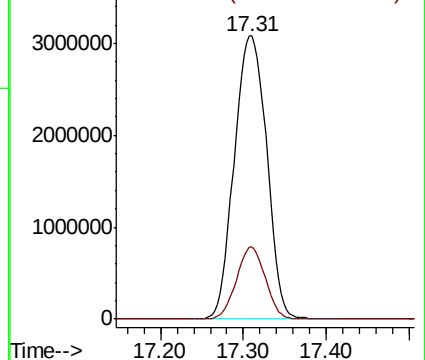
105 100

134 22.7 19.1 28.7



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: 8.195 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

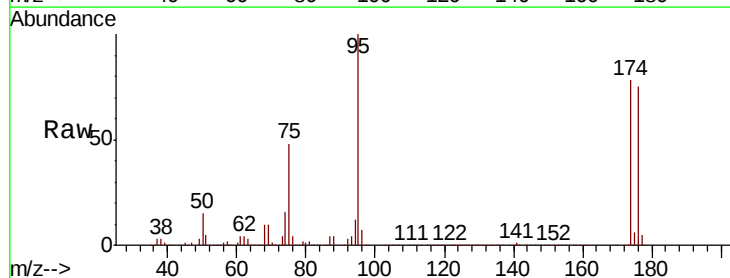
Tgt Ion: 95 Resp: 3370151

Ion Ratio Lower Upper

95 100

174 78.1 69.6 104.4

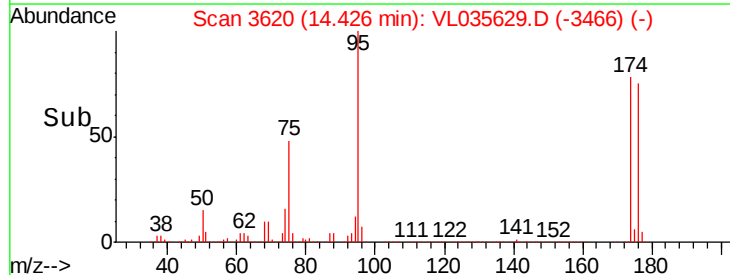
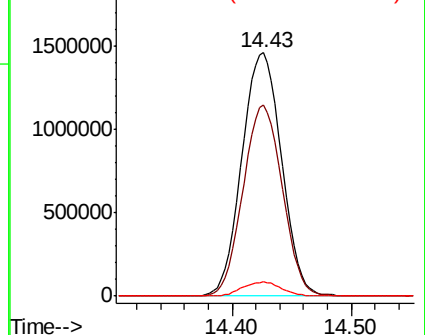
175 5.7 5.1 7.7

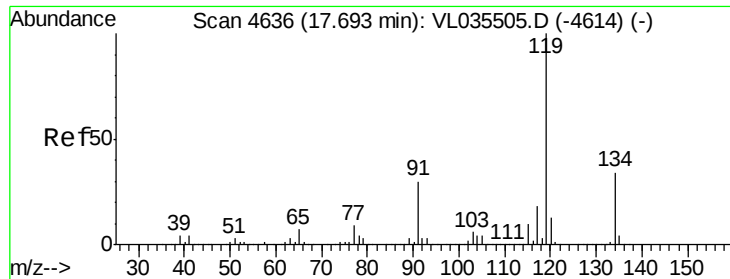


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

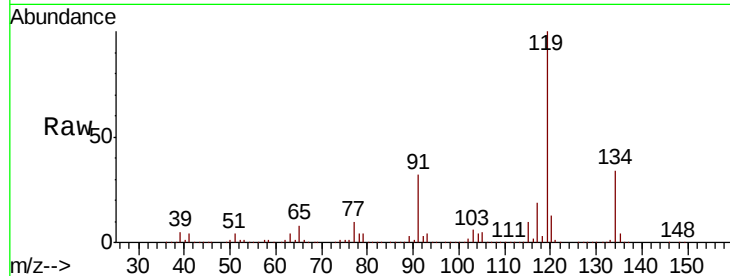




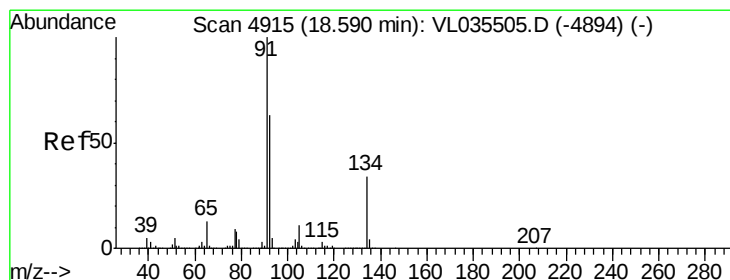
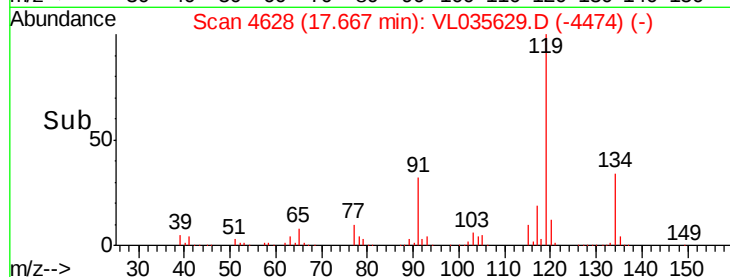
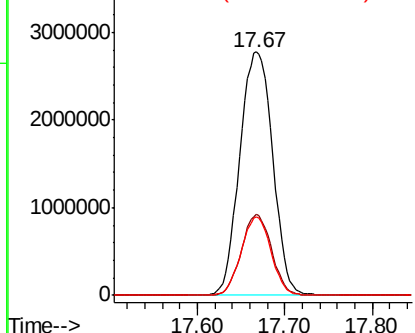
#69
 p-Isopropyltoluene
 Concen: 8.276 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. -0.00 min
 Lab File: VL035629.D
 Acq: 16 Sep 2020 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Tot Ion:119 Resp: 7257977
 Ion Ratio Lower Upper
 119 100
 134 30.4 25.0 37.4
 91 29.2 22.3 33.5

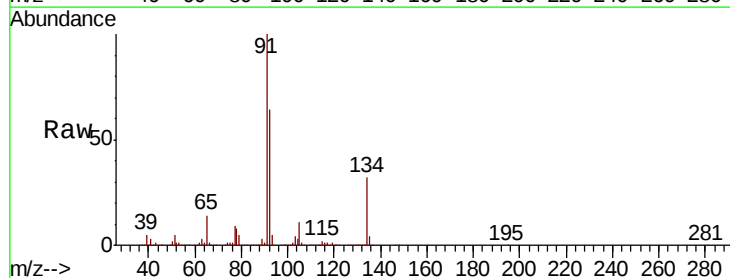


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

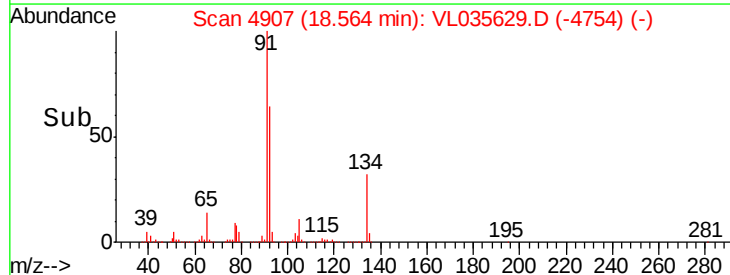
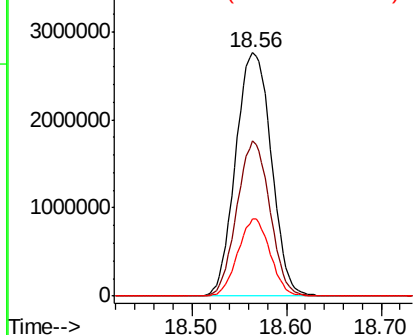


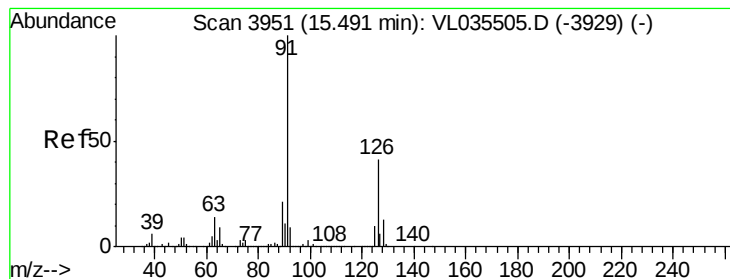
#70
 n-Butylbenzene
 Concen: 8.555 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T. -0.01 min
 Lab File: VL035629.D
 Acq: 16 Sep 2020 14:28

Tgt Ion: 91 Resp: 7227228
 Ion Ratio Lower Upper
 91 100
 92 59.2 47.3 70.9
 134 28.8 24.6 37.0



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

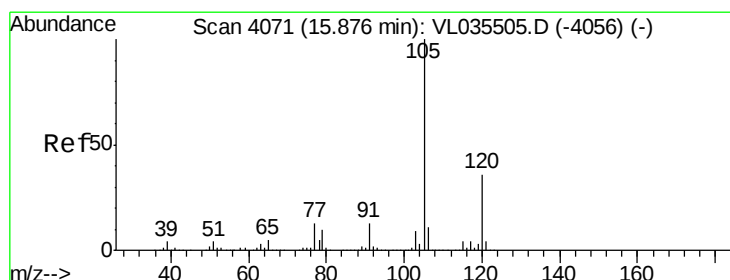
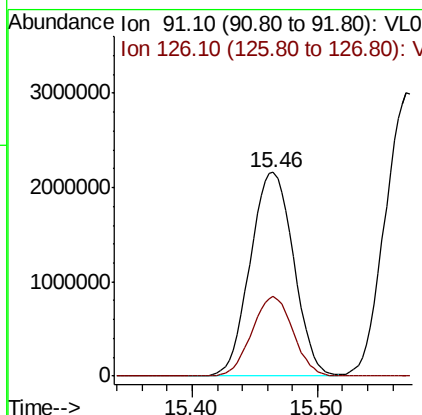
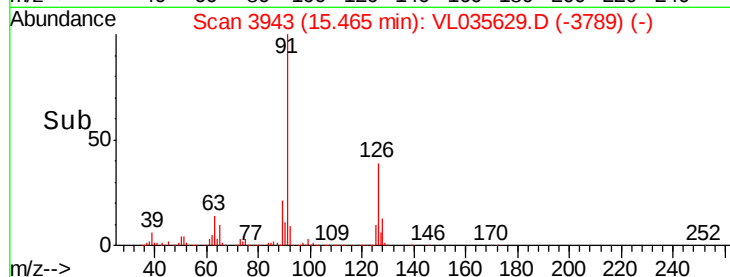
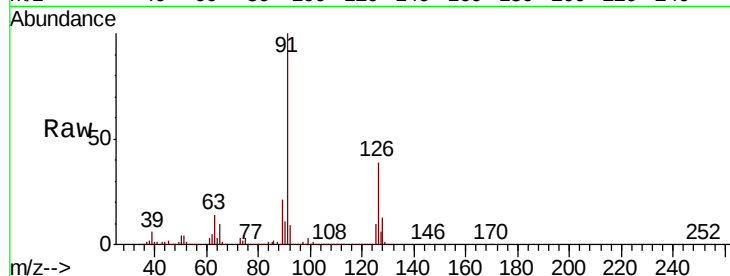




#71
 2-Chlorotoluene
 Concen: 8.854 ppbv
 RT: 15.46 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VL035629.D
 Acq: 16 Sep 2020 14:28

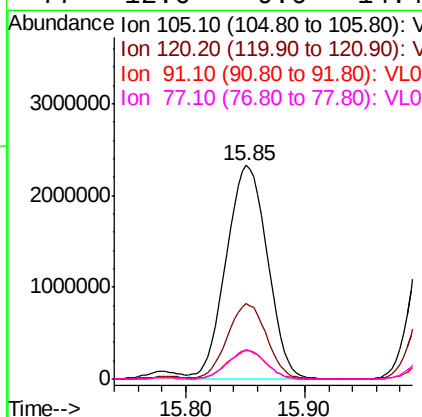
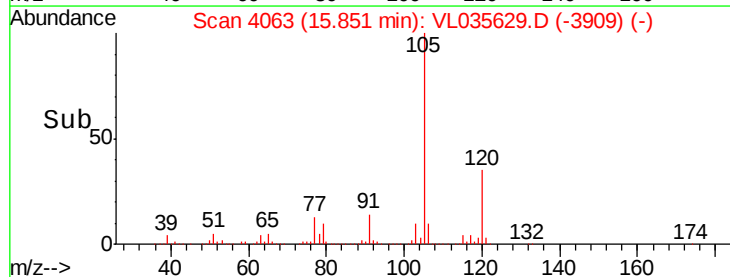
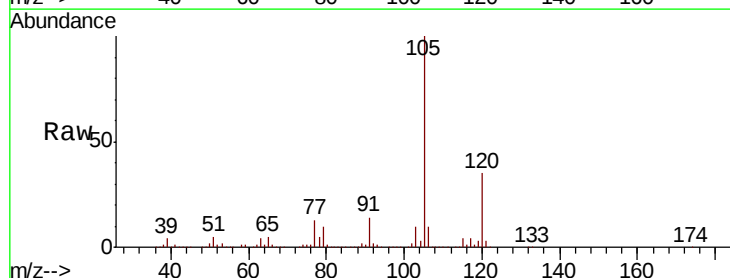
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

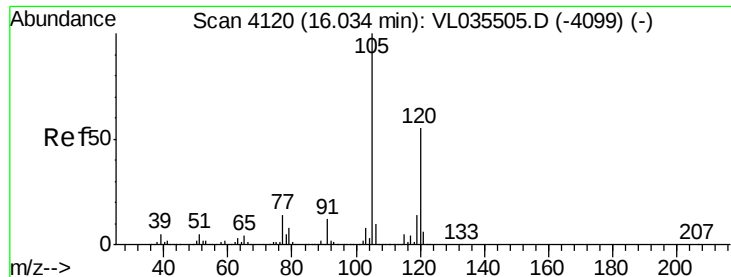
Tot Ion: 91 Resp: 5204928
 Ion Ratio Lower Upper
 91 100
 126 37.2 15.6 62.6



#72
 4-Ethyltoluene
 Concen: 8.724 ppbv
 RT: 15.85 min Scan# 4063
 Delta R.T. -0.00 min
 Lab File: VL035629.D
 Acq: 16 Sep 2020 14:28

Tgt Ion:105 Resp: 5573459
 Ion Ratio Lower Upper
 105 100
 120 33.7 27.4 41.2
 91 12.6 9.7 14.5
 77 12.6 9.6 14.4





#73

1,3,5-Trimethylbenzene

Concen: 8.796 ppbv

RT: 16.01 min Scan# 4112

Delta R.T. -0.01 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

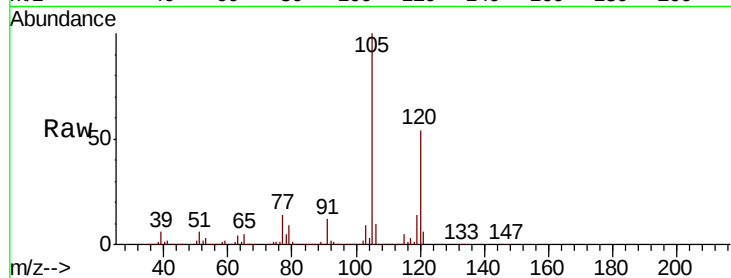
VL0916ABS01

Tot Ion:105 Resp: 5197659

Ion Ratio Lower Upper

105 100

120 54.2 44.2 66.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2500000

2000000

1500000

1000000

500000

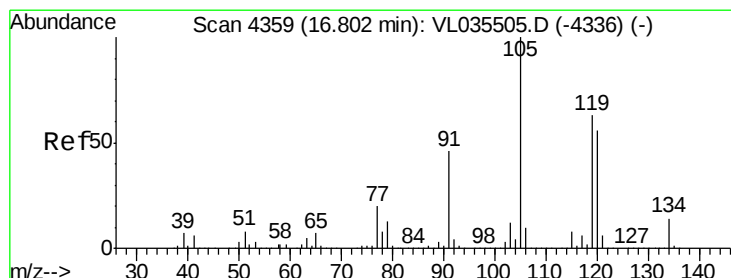
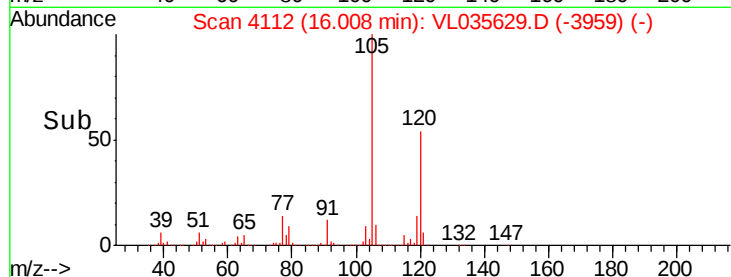
0

16.01

15.90

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.397 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. -0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Tgt Ion:105 Resp: 5449439

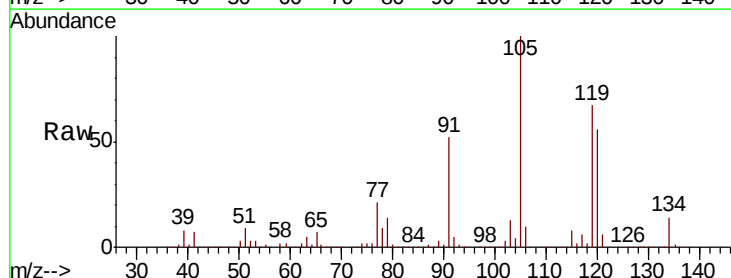
Ion Ratio Lower Upper

105 100

120 55.5 44.4 66.6

91 51.6 37.1 55.7

77 21.4 16.0 24.0



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

3000000

2000000

1000000

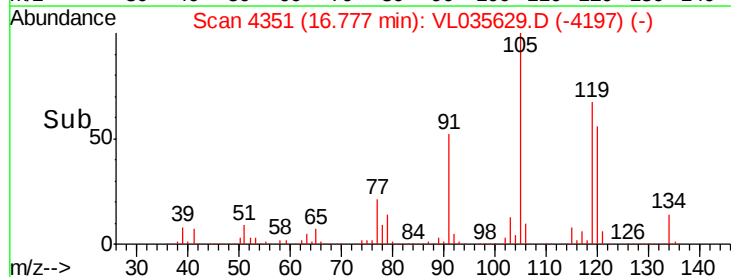
0

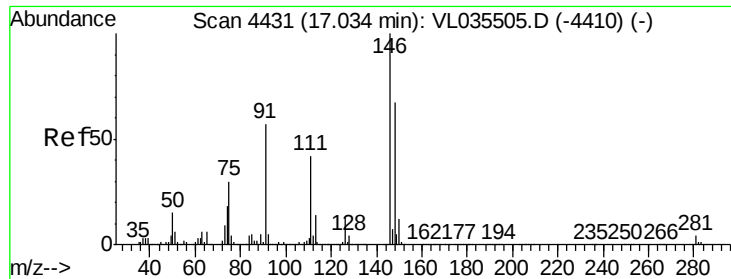
16.78

16.70

16.90

Time-->

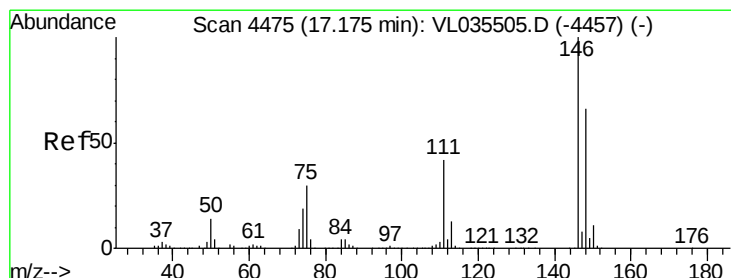
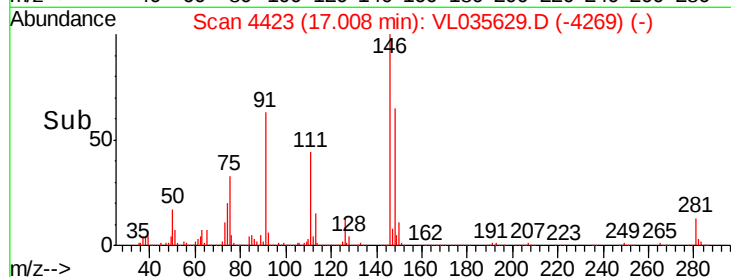
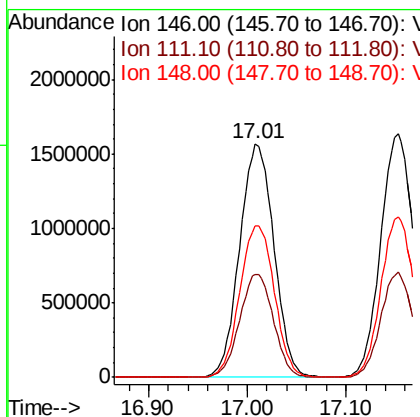
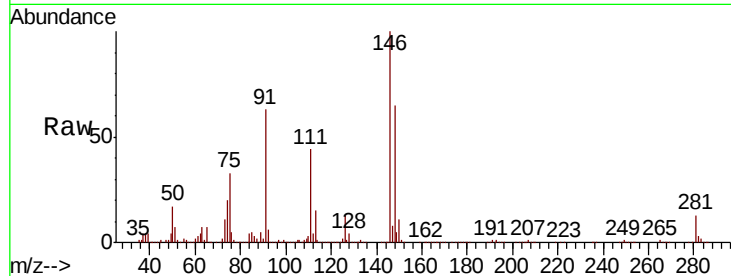




#75
 1,3-Dichlorobenzene
 Concen: 7.845 ppbv
 RT: 17.01 min Scan# 4423
 Delta R.T. -0.00 min
 Lab File: VL035629.D
 Acq: 16 Sep 2020 14:28

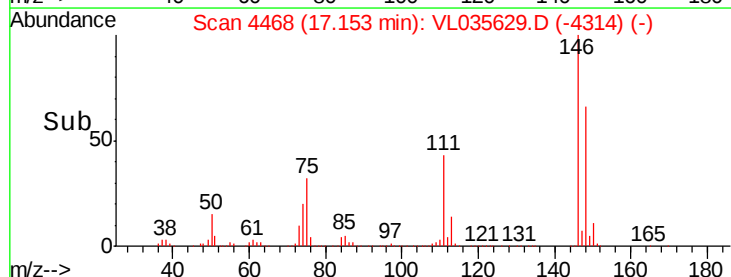
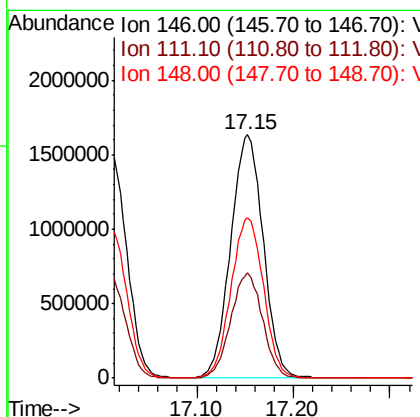
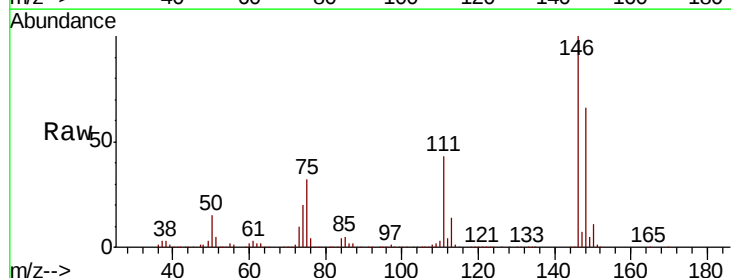
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

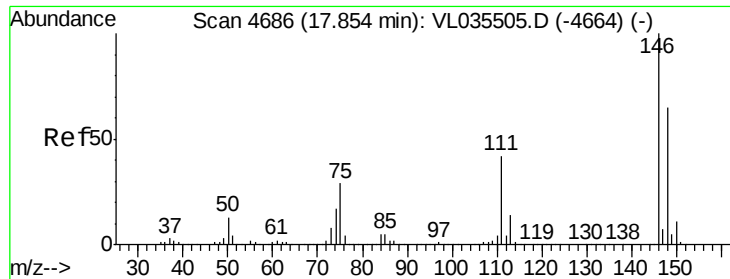
Tot Ion:146 Resp: 3771000
 Ion Ratio Lower Upper
 146 100
 111 43.5 20.7 62.1
 148 65.7 33.0 98.9



#76
 1,4-Dichlorobenzene
 Concen: 8.043 ppbv
 RT: 17.15 min Scan# 4468
 Delta R.T. -0.00 min
 Lab File: VL035629.D
 Acq: 16 Sep 2020 14:28

Tgt Ion:146 Resp: 3812909
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.0 60.0
 148 66.1 33.2 99.6





#77

1,2-Dichlorobenzene

Concen: 8.032 ppbv

RT: 17.83 min Scan# 4678

Delta R.T. -0.01 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

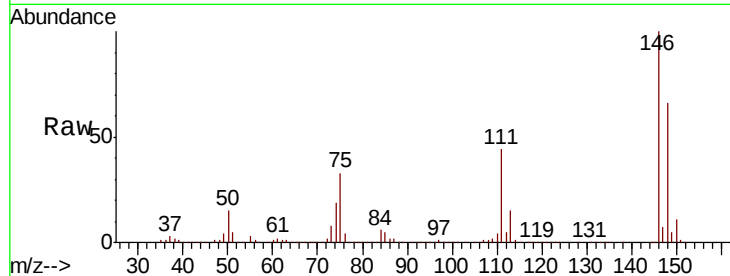
Tot Ion:146 Resp: 3740766

Ion Ratio Lower Upper

146 100

111 44.3 21.1 63.3

148 65.3 32.9 98.7

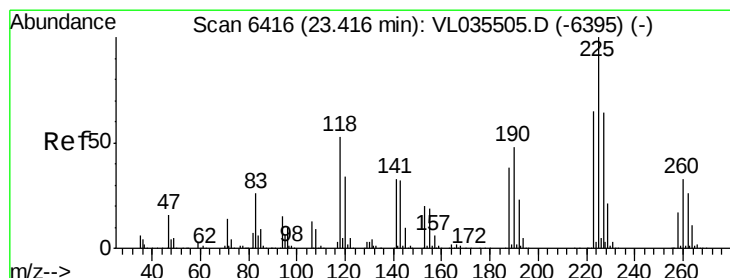
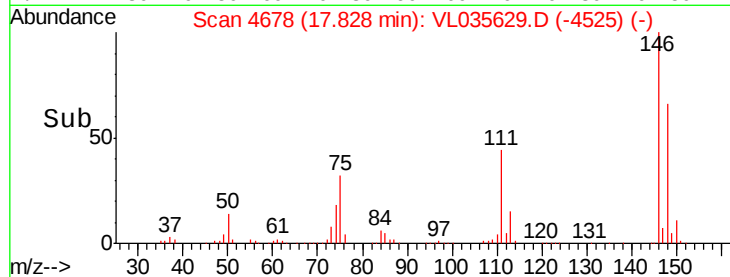
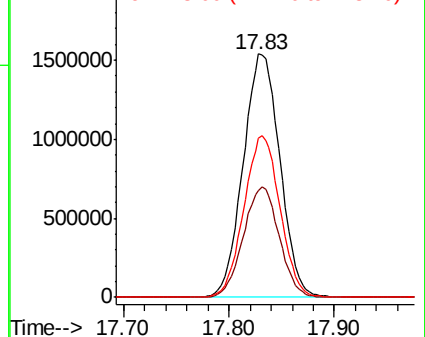


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.702 ppbv

RT: 23.39 min Scan# 6408

Delta R.T. -0.01 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

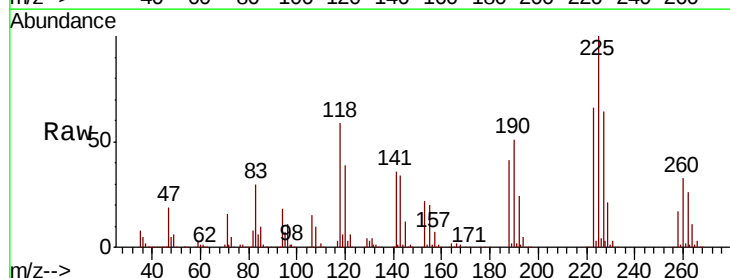
Tgt Ion:225 Resp: 2290118

Ion Ratio Lower Upper

225 100

223 64.6 51.7 77.5

227 64.5 51.5 77.3

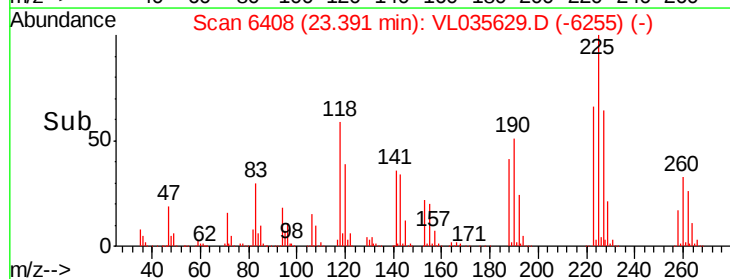
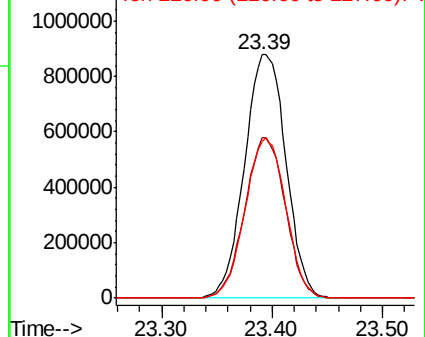


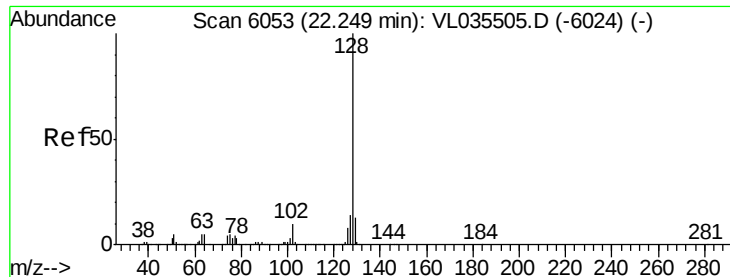
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.855 ppbv

RT: 22.22 min Scan# 6044

Delta R.T. -0.00 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Instrument :

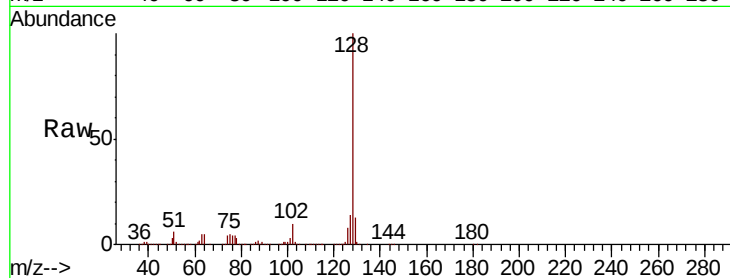
MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion:128 Resp: 6376327

Ion	Ratio	Lower	Upper
128	100		
127	14.1	11.4	17.2
129	12.5	10.5	15.7

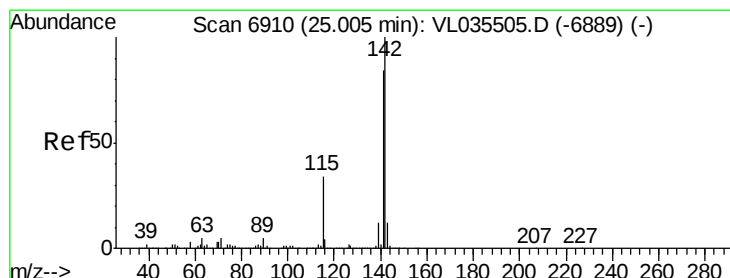
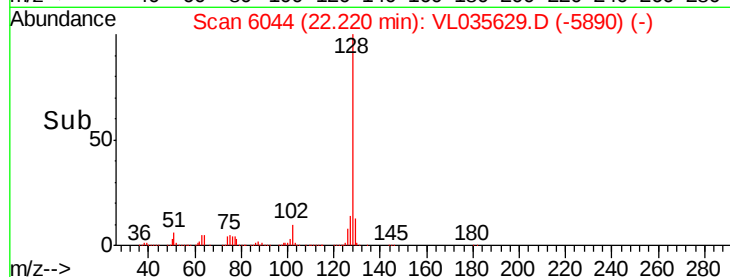
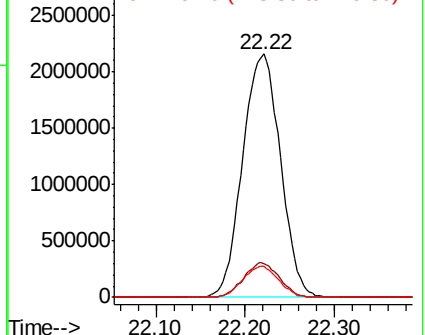


Abundance

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: 9.124 ppbv

RT: 24.99 min Scan# 6904

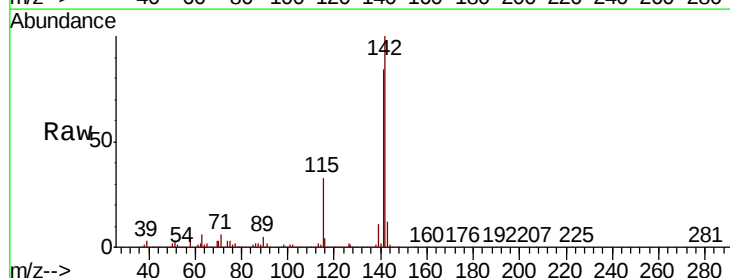
Delta R.T. -0.01 min

Lab File: VL035629.D

Acq: 16 Sep 2020 14:28

Tgt Ion:142 Resp: 2242430

Ion	Ratio	Lower	Upper
142	100		
141	84.5	67.6	101.4
115	33.6	25.8	38.8

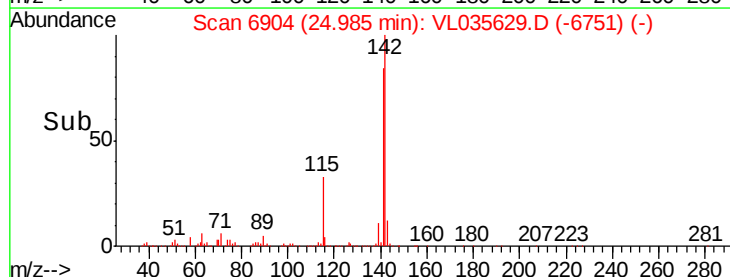
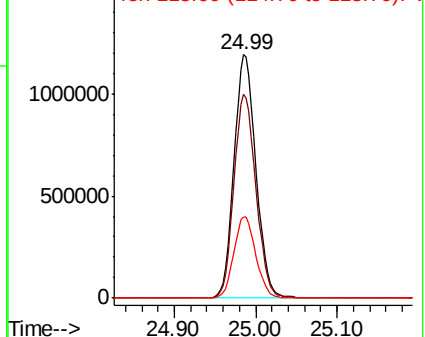


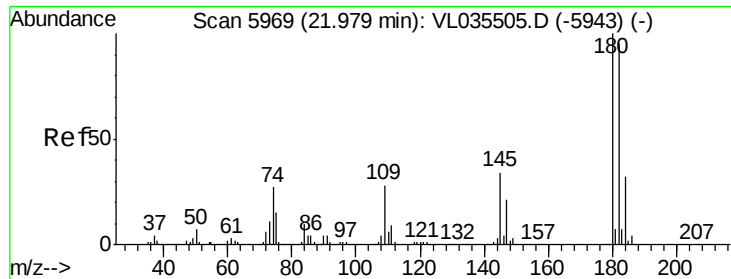
Abundance

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

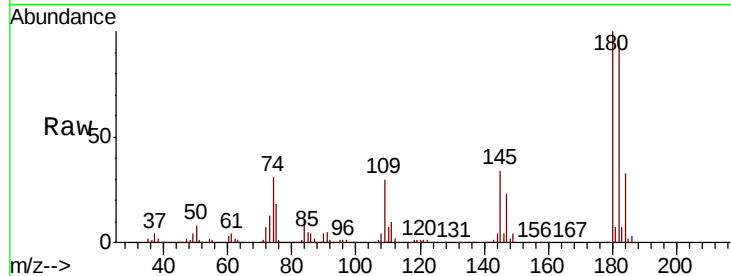




#81
 1,2,4-Trichlorobenzene
 Concen: 8.091 ppbv
 RT: 21.95 min Scan# 5960
 Delta R.T. -0.00 min
 Lab File: VL035629.D
 Acq: 16 Sep 2020 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Tot Ion:180 Resp: 3488754
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.3 114.5
 184 31.2 25.3 37.9



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

