

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091020\
 Data File : VL035583.D
 Acq On : 10 Sep 2020 14:28
 Operator : SY/AP
 Sample : VL0910ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Quant Time: Sep 11 08:12:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1076002	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4571358	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	5871450	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3464309	8.31	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1409000	7.556	ppbv 99
3) Chlorodifluoromethane	2.97	51	1144677	9.619	ppbv 99
4) Chloromethane	3.13	50	620728	9.736	ppbv 98
5) Vinyl Chloride	3.24	62	731750	9.309	ppbv 99
6) Bromomethane	3.46	94	649338	9.835	ppbv 99
7) Chloroethane	3.55	64	277845	9.998	ppbv 97
8) Dichlorotetrafluoroethane	3.18	85	2085657	9.236	ppbv 96
9) Propene	3.00	41	448754	9.781	ppbv 98
10) Heptane	8.12	43	1239489	10.058	ppbv 99
11) Trichlorofluoromethane	3.94	101	2507721	9.222	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1909478	9.303	ppbv 94
13) Ethanol	3.59	45	97894	8.606	ppbv 98
14) Bromoethene	3.73	108	874365	9.897	ppbv 99
15) Acetone	3.84	43	1174230	9.895	ppbv 98
16) 1,3-Butadiene	3.31	39	443764	10.045	ppbv 100
17) tert-Butyl alcohol	4.28	59	1458110	10.094	ppbv 100
18) 1,1-Dichloroethene	4.28	96	889713	9.844	ppbv 96
19) Isopropyl Alcohol	3.96	45	695384	9.822	ppbv 99
20) Methylene Chloride	4.33	84	740955	8.383	ppbv 97
21) Allyl Chloride	4.40	41	595057	10.703	ppbv 99
22) trans-1,2-Dichloroethene	4.88	96	929417	9.659	ppbv 95
23) Vinyl Acetate	5.07	43	1641318	10.776	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1530978	9.767	ppbv 99
25) Ethyl Acetate	5.67	43	2047518	9.766	ppbv 100
26) Hexane	5.68	57	1164277	9.801	ppbv 99
27) Carbon Disulfide	4.54	76	1910348	11.207	ppbv 100
28) Methyl tert-Butyl Ether	5.02	73	2104011	10.163	ppbv 100
29) Chloroform	5.75	83	2364968	9.771	ppbv 100
30) Cyclohexane	7.13	84	1328704	10.441	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1250723	10.263	ppbv 100
32) 1,1,1-Trichloroethane	6.51	97	2350227	10.010	ppbv 99
34) 2-Butanone	5.24	43	1434163	10.571	ppbv 100
35) Carbon Tetrachloride	7.02	117	2460767	10.711	ppbv 100
36) Benzene	6.89	78	3049582	10.306	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1457913	10.334	ppbv 100
38) Trichloroethene	7.83	130	1584411	9.218	ppbv 97
39) 1,2-Dichloropropane	7.61	63	1024161	10.246	ppbv 99
40) 1,4-Dioxane	7.83	88	513960	10.292	ppbv 84
41) Tetrahydrofuran	6.04	42	801167	11.137	ppbv 99
42) Bromodichloromethane	7.79	83	2505856	10.984	ppbv 99
43) Methyl Methacrylate	8.02	69	1276464	11.156	ppbv 99

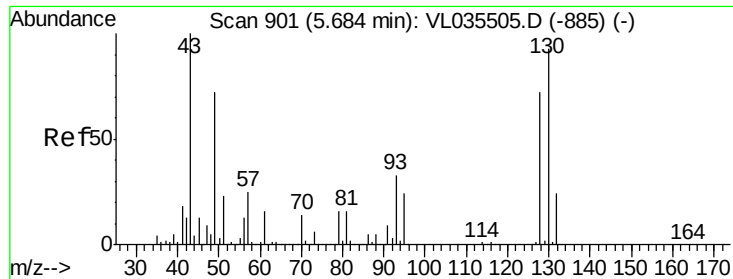
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091020\
 Data File : VL035583.D
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3930695	10.096	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1455924	12.561	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1712507	11.899	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1505577	10.207	ppbv	98
48) Dibromochloromethane	10.31	129	2586553	11.142	ppbv	100
49) Bromoform	13.05	173	2382145	11.323	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2114598	10.764	ppbv	99
51) 2-Hexanone	10.13	43	1841659	11.428	ppbv	100
52) Tetrachloroethene	11.23	164	1594598	9.224	ppbv	98
53) Toluene	9.81	91	3870043	10.400	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2403977	10.314	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	2032592	8.508	ppbv	96
57) Chlorobenzene	12.15	112	3354000	7.762	ppbv	97
58) Ethyl Benzene	12.72	91	5108666	8.438	ppbv	99
59) m/p-Xylene	13.01	91	4653876	9.199	ppbv #	43
60) o-Xylene	13.70	91	4222769	8.287	ppbv	99
61) Styrene	13.54	104	3459649	8.878	ppbv	99
62) Isopropylbenzene	14.68	105	6438931	7.867	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3013093	7.627	ppbv	100
64) n-propylbenzene	15.57	120	2074248	8.304	ppbv	96
65) tert-Butylbenzene	16.76	119	6088128	8.001	ppbv	98
66) Benzyl Chloride	17.00	91	2225114	11.767	ppbv	98
67) sec-Butylbenzene	17.31	105	7990201	7.882	ppbv	98
69) p-Isopropyltoluene	17.67	119	7029624	7.905	ppbv	99
70) n-Butylbenzene	18.56	91	6962777	8.129	ppbv	99
71) 2-Chlorotoluene	15.46	91	4969663	8.337	ppbv	98
72) 4-Ethyltoluene	15.85	105	5411729	8.354	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4996653	8.339	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	5244562	7.971	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	3706413	7.605	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3779249	7.862	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	3644905	7.719	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	2215145	7.348	ppbv	100
79) Naphthalene	22.22	128	6299425	8.628	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	2497057	10.021	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	3453862	7.900	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

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VL0910ABS01

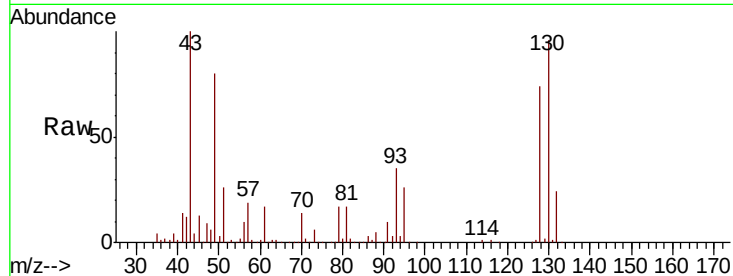
Tot Ion: 49 Resp: 1076002

Ion Ratio Lower Upper

49 100

128 94.9 50.0 150.1

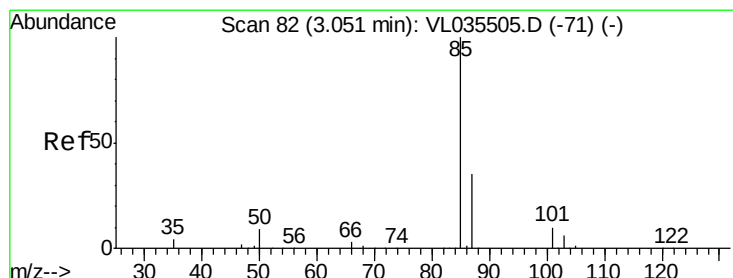
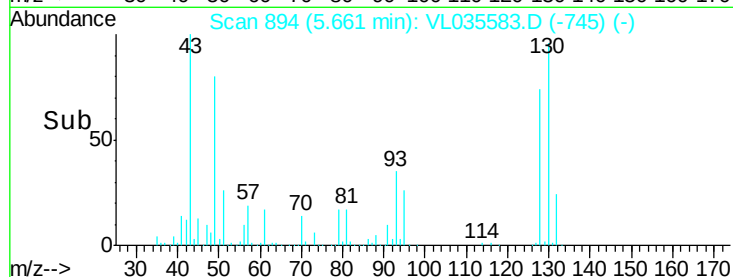
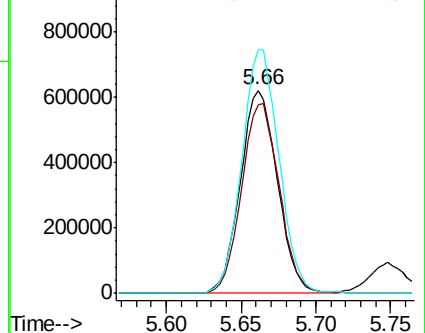
130 121.0 64.4 193.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.556 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.02 min

Lab File: VL035583.D

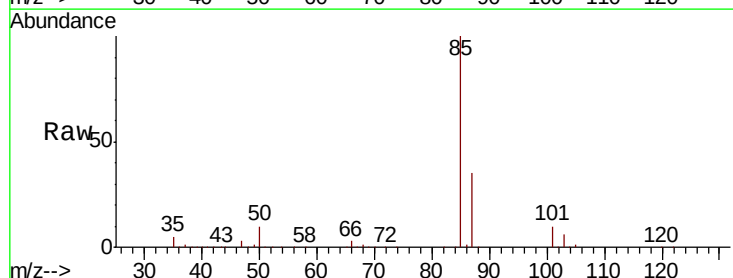
Acq: 10 Sep 2020 14:28

Tgt Ion: 85 Resp: 1409000

Ion Ratio Lower Upper

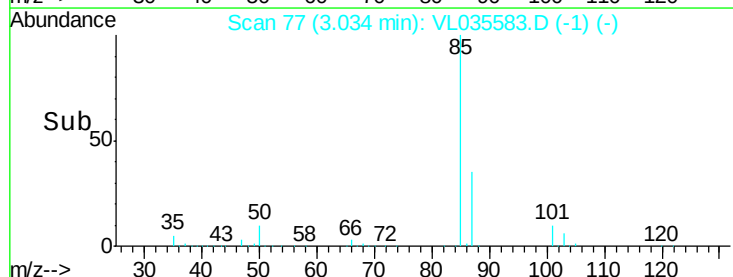
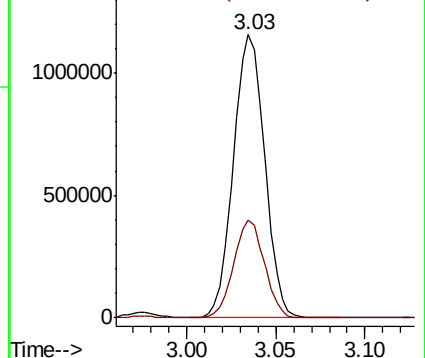
85 100

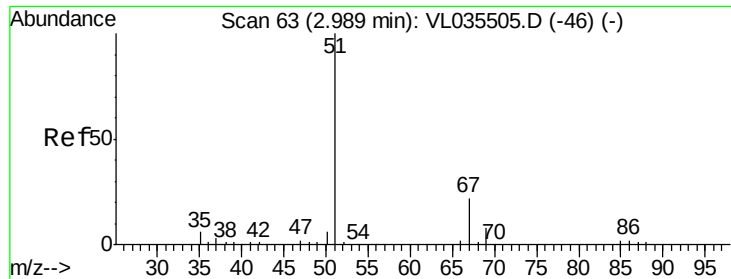
87 34.7 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.619 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

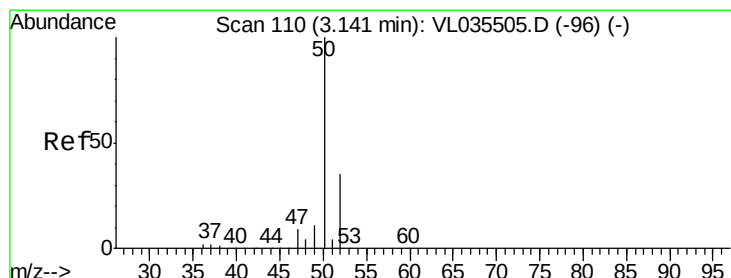
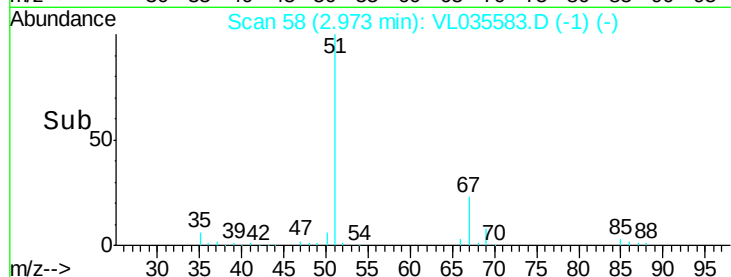
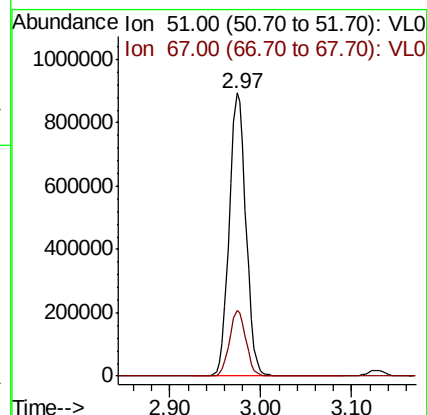
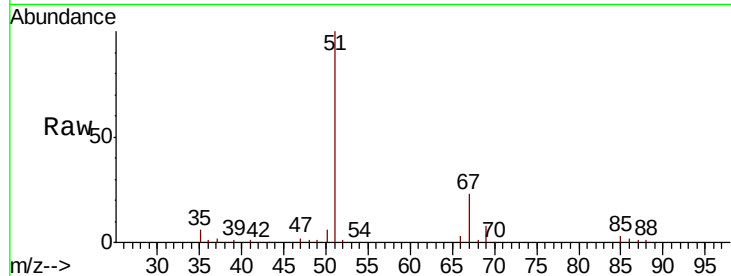
VL0910ABS01

Tot Ion: 51 Resp: 1144677

Ion Ratio Lower Upper

51 100

67 22.8 17.8 26.8



#4

Chloromethane

Concen: 9.736 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL035583.D

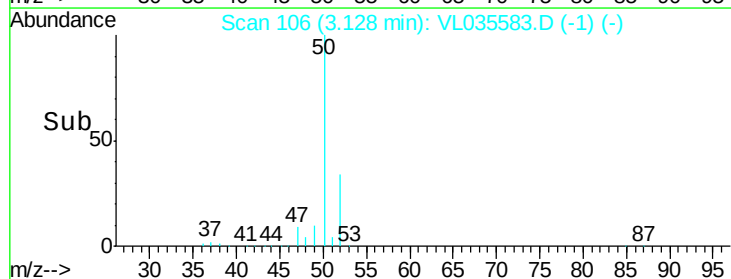
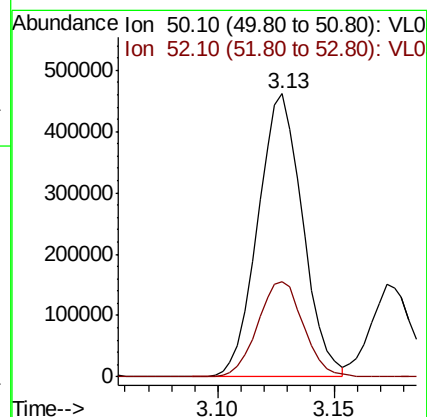
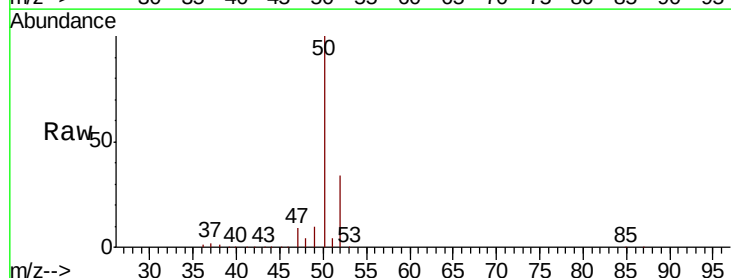
Acq: 10 Sep 2020 14:28

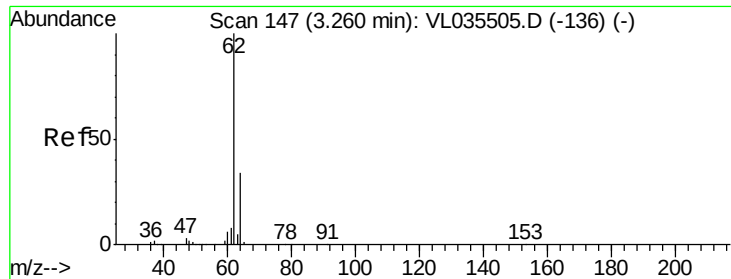
Tgt Ion: 50 Resp: 620728

Ion Ratio Lower Upper

50 100

52 33.6 27.7 41.5





#5

Vinyl Chloride

Concen: 9.309 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

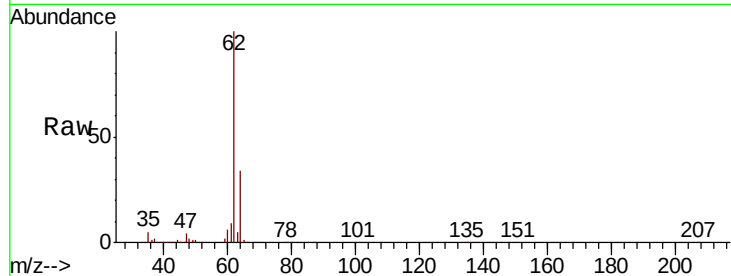
VL0910ABS01

Tot Ion: 62 Resp: 731750

Ion Ratio Lower Upper

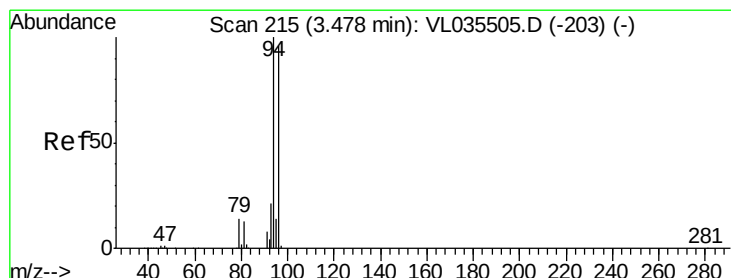
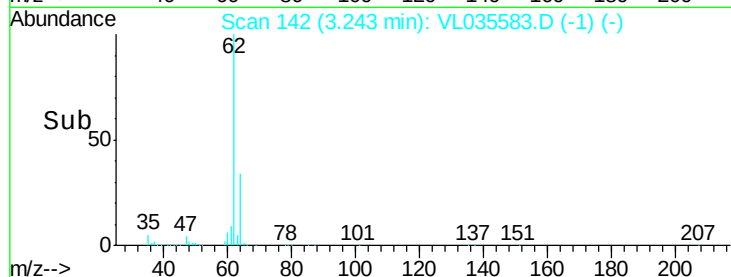
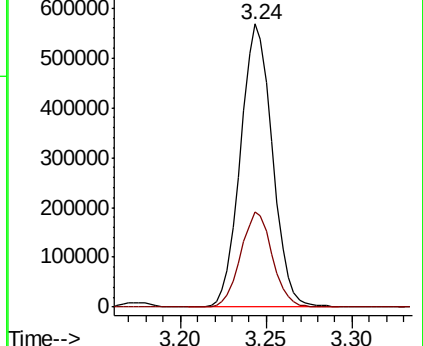
62 100

64 33.5 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: 9.835 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.02 min

Lab File: VL035583.D

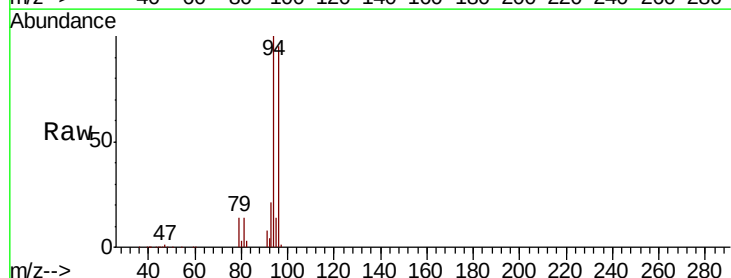
Acq: 10 Sep 2020 14:28

Tgt Ion: 94 Resp: 649338

Ion Ratio Lower Upper

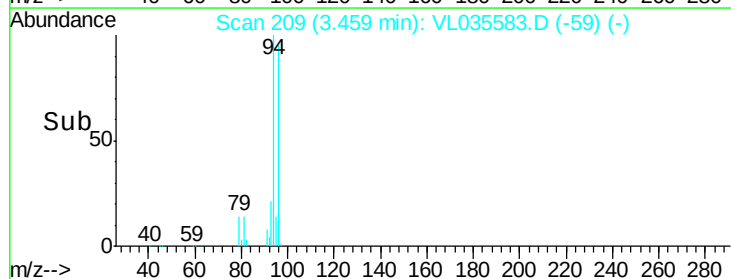
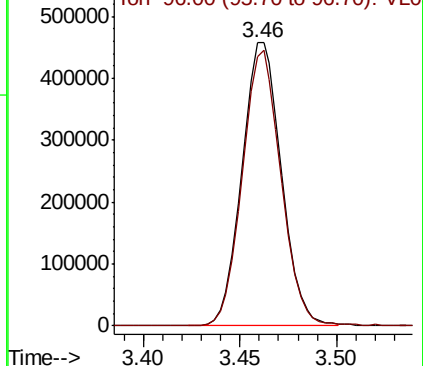
94 100

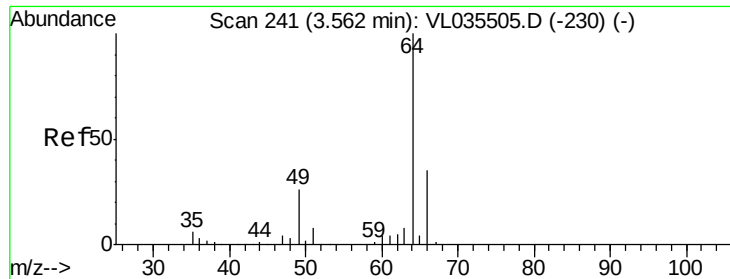
96 95.3 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.998 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

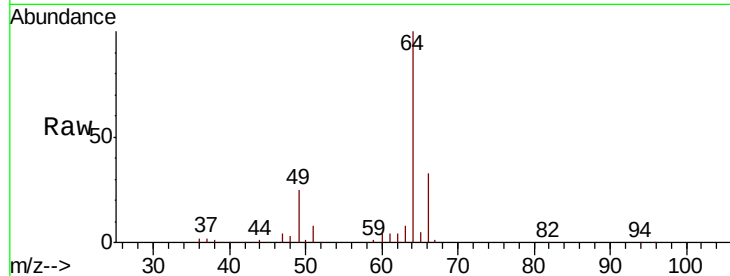
VL0910ABS01

Tot Ion: 64 Resp: 277845

Ion Ratio Lower Upper

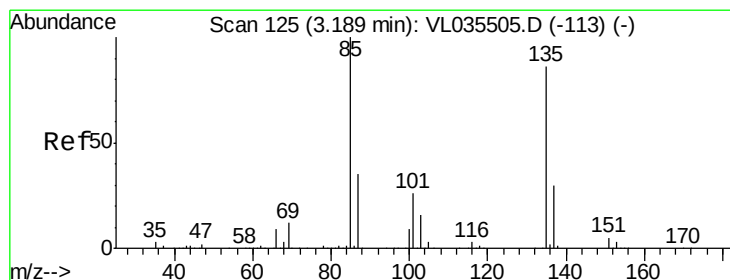
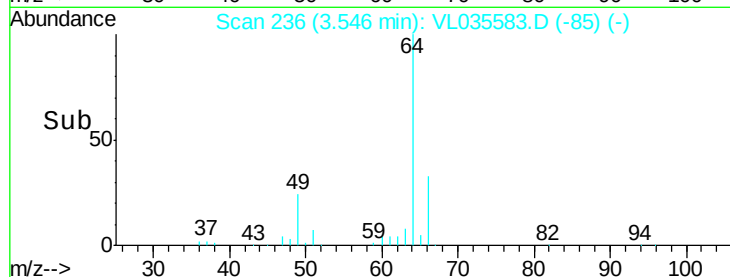
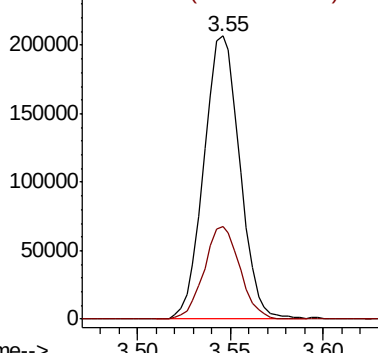
64 100

66 32.8 27.7 41.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.236 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL035583.D

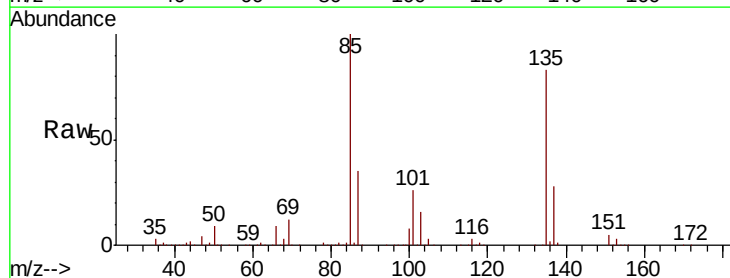
Acq: 10 Sep 2020 14:28

Tgt Ion: 85 Resp: 2085657

Ion Ratio Lower Upper

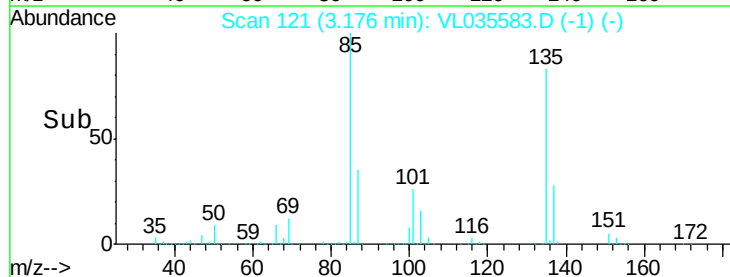
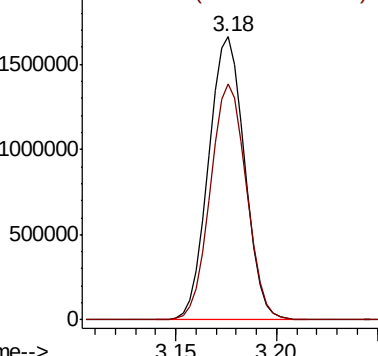
85 100

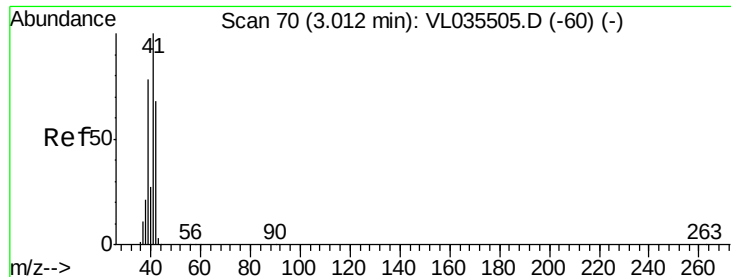
135 83.8 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.781 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.02 min

Lab File: VL035583.D

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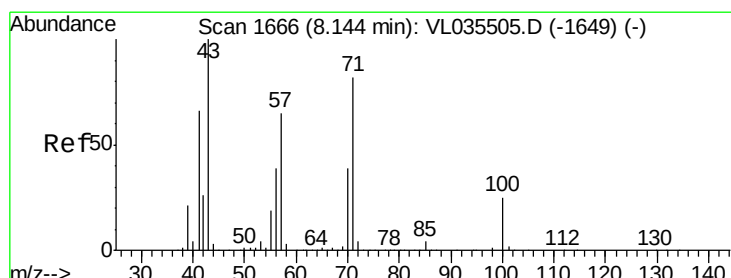
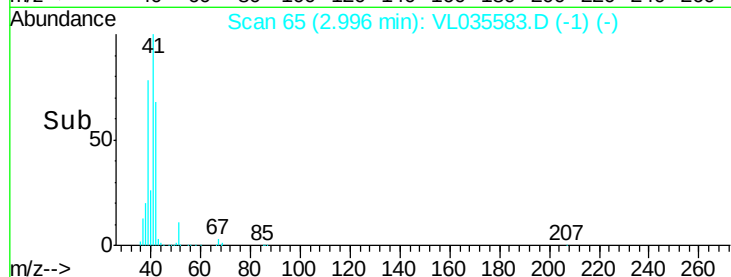
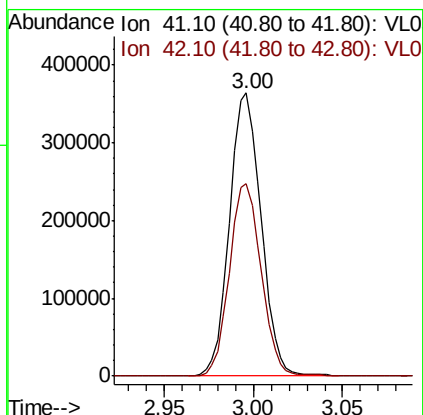
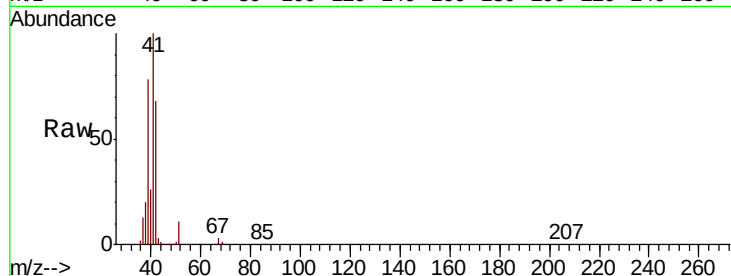
VL0910ABS01

Tot Ion: 41 Resp: 448754

Ion Ratio Lower Upper

41 100

42 68.5 56.3 84.5



#10

Heptane

Concen: 10.058 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.02 min

Lab File: VL035583.D

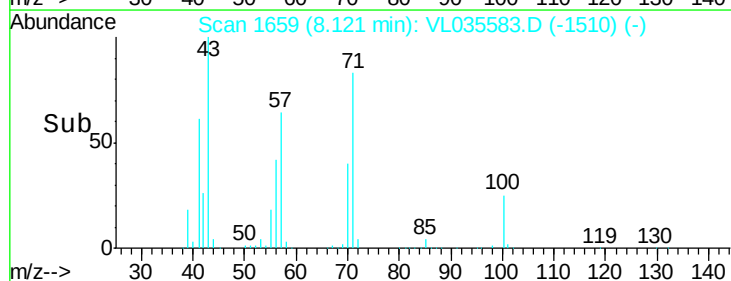
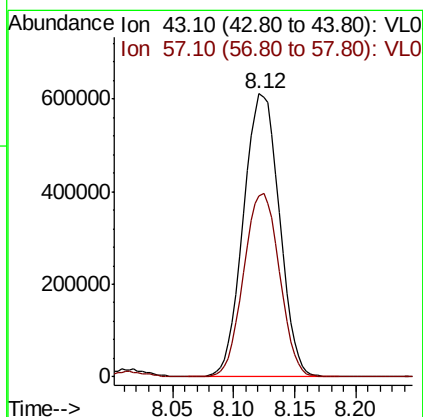
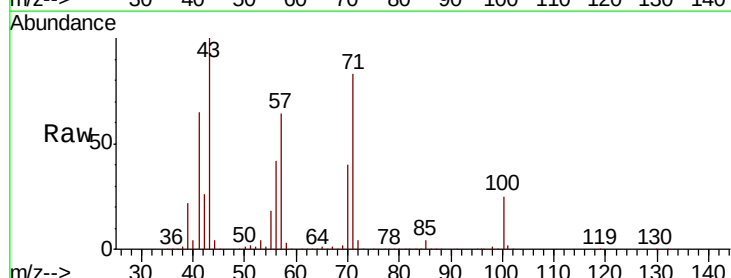
Acq: 10 Sep 2020 14:28

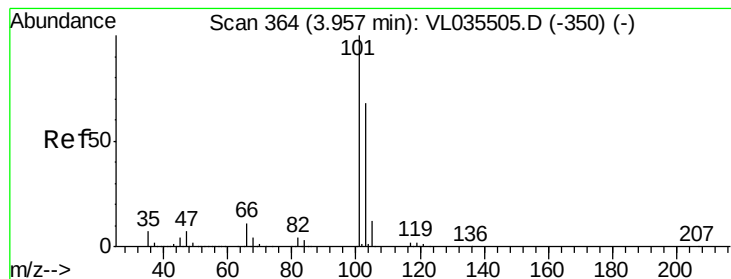
Tgt Ion: 43 Resp: 1239489

Ion Ratio Lower Upper

43 100

57 64.7 51.4 77.0





#11

Trichlorofluoromethane

Concen: 9.222 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

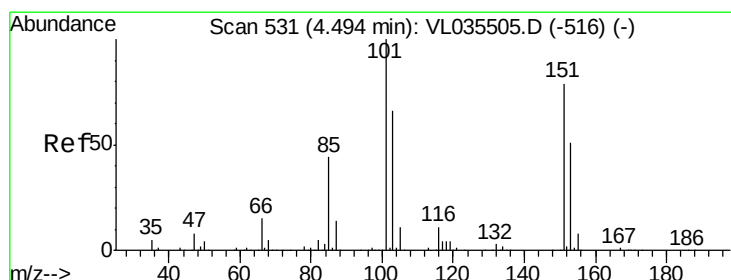
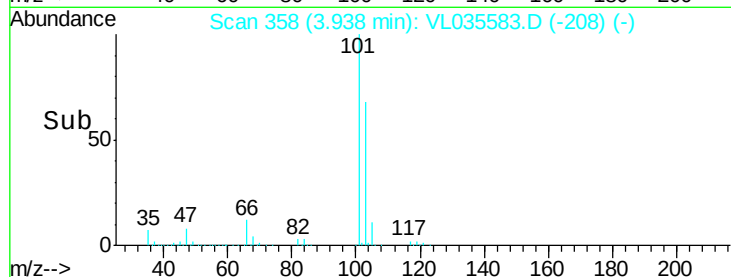
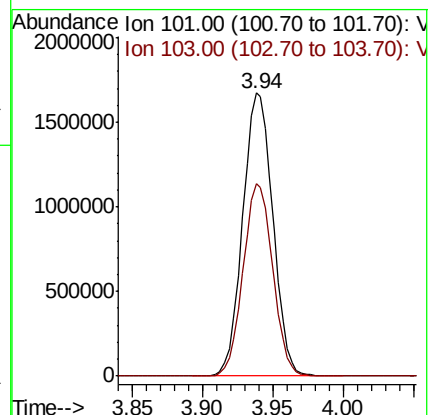
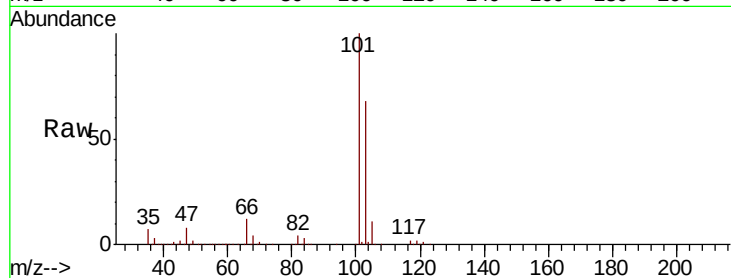
VL0910ABS01

Tot Ion:101 Resp: 2507721

Ion Ratio Lower Upper

101 100

103 68.1 54.5 81.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.303 ppbv

RT: 4.47 min Scan# 525

Delta R.T. -0.02 min

Lab File: VL035583.D

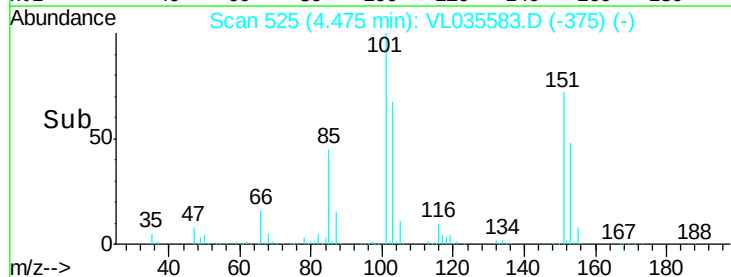
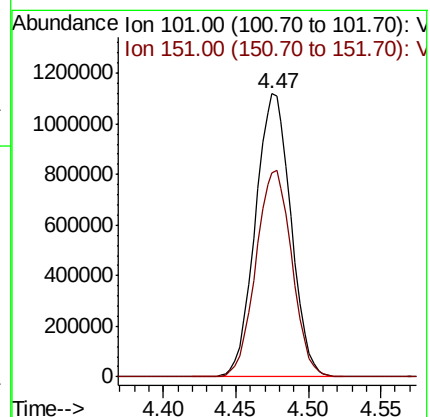
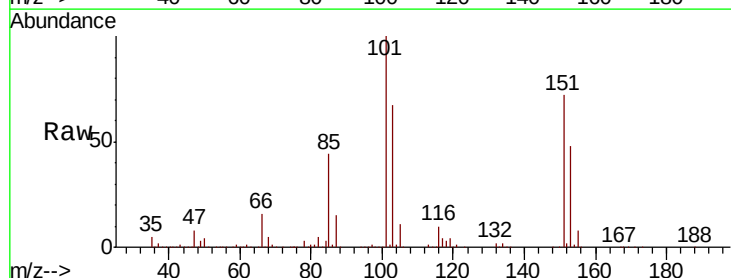
Acq: 10 Sep 2020 14:28

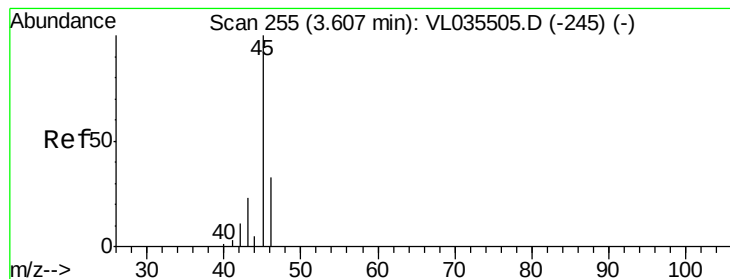
Tgt Ion:101 Resp: 1909478

Ion Ratio Lower Upper

101 100

151 74.0 63.5 95.3





#13

Ethanol

Concen: 8.606 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

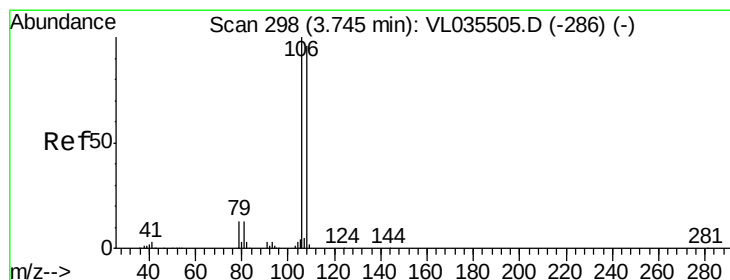
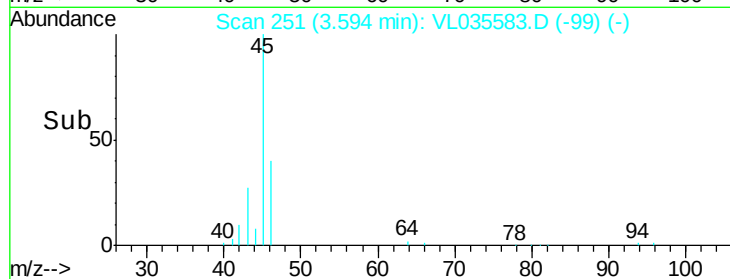
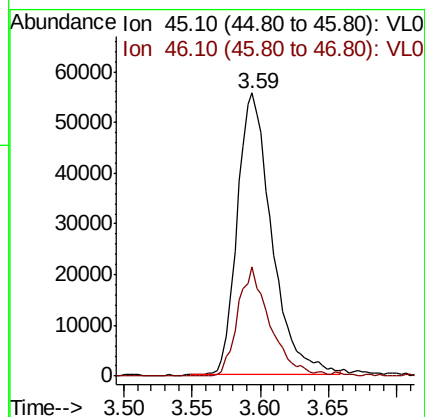
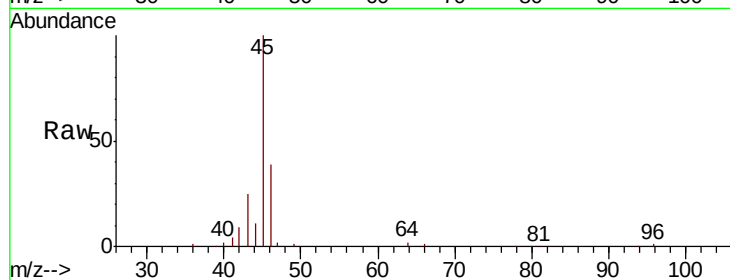
VL0910ABS01

Tot Ion: 45 Resp: 97894

Ion Ratio Lower Upper

45 100

46 37.0 15.2 60.6



#14

Bromoethene

Concen: 9.897 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

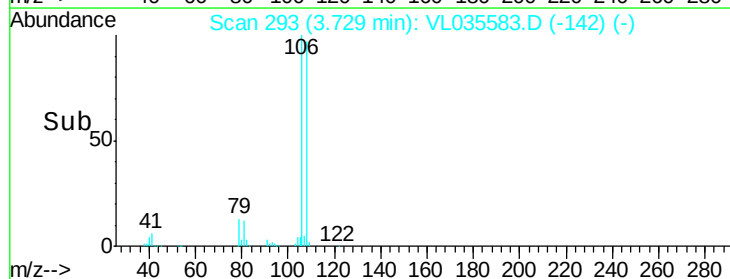
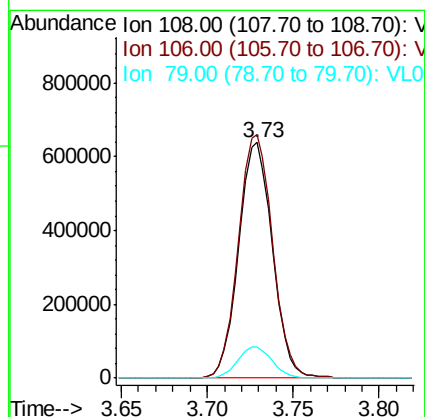
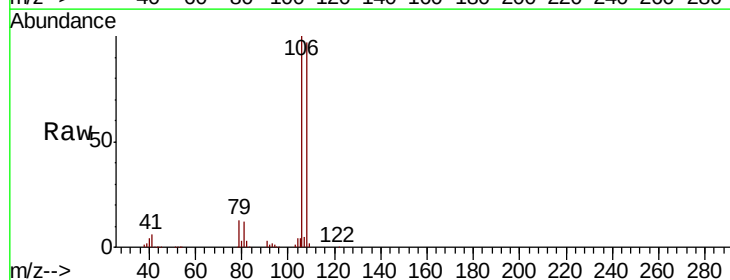
Tgt Ion: 108 Resp: 874365

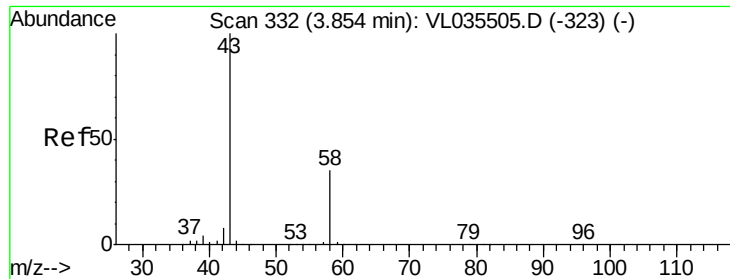
Ion Ratio Lower Upper

108 100

106 105.4 84.9 127.3

79 13.7 10.8 16.2





#15

Acetone

Concen: 9.895 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

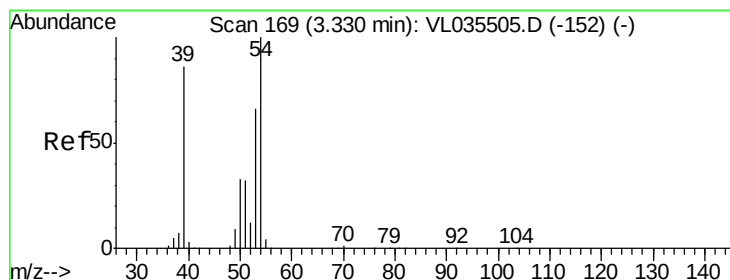
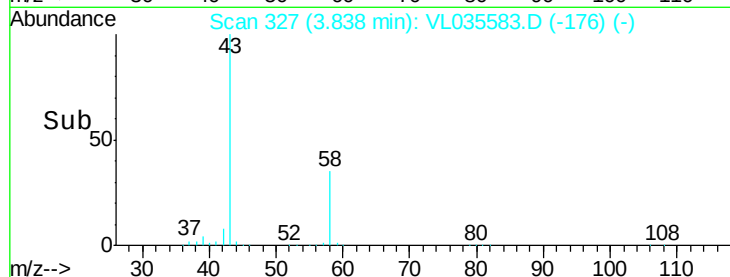
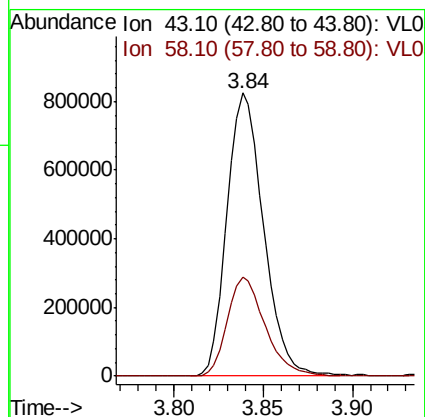
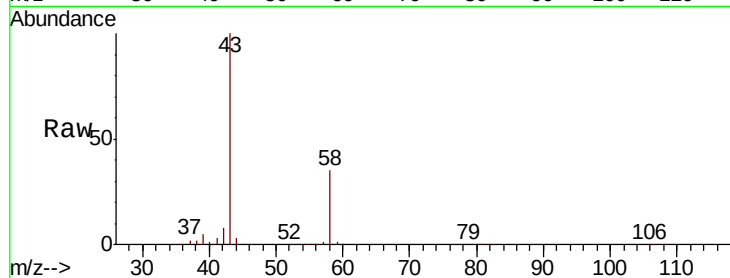
VL0910ABS01

Tot Ion: 43 Resp: 1174230

Ion Ratio Lower Upper

43 100

58 36.4 28.4 42.6



#16

1,3-Butadiene

Concen: 10.045 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.02 min

Lab File: VL035583.D

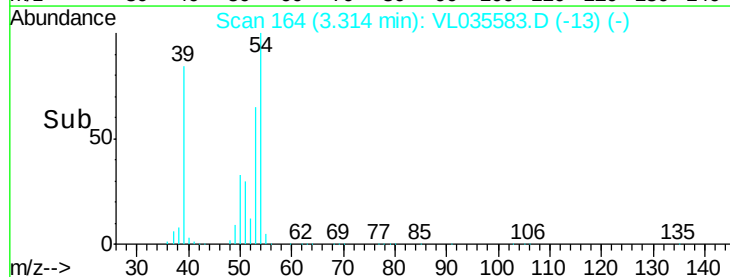
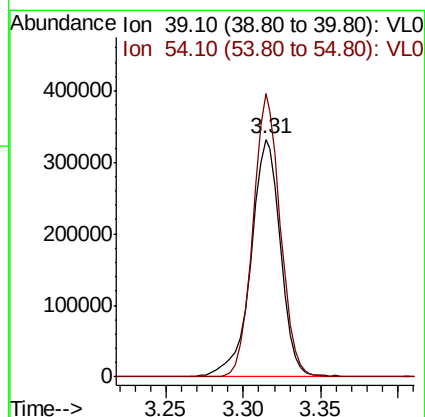
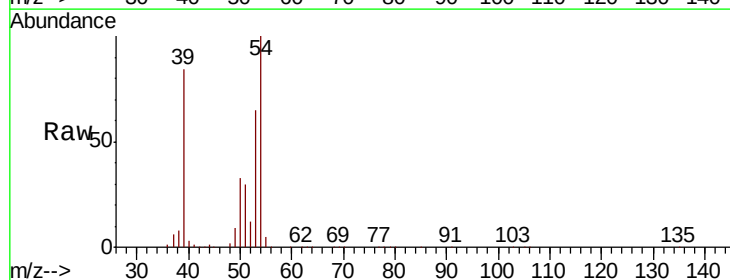
Acq: 10 Sep 2020 14:28

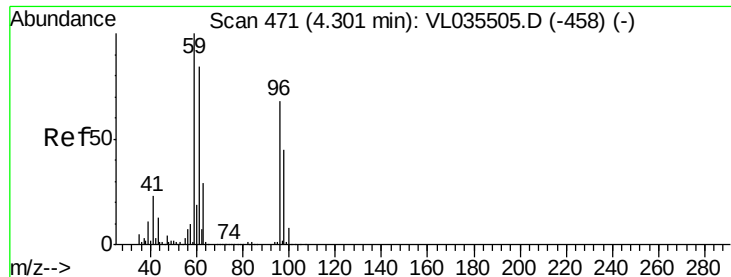
Tgt Ion: 39 Resp: 443764

Ion Ratio Lower Upper

39 100

54 110.6 88.4 132.6





#17

tert-Butyl alcohol
 Concen: 10.094 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

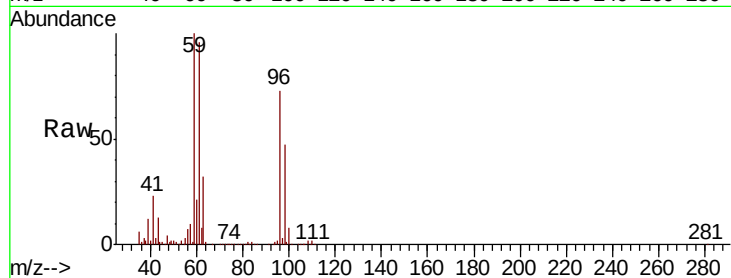
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion: 59 Resp: 1458110

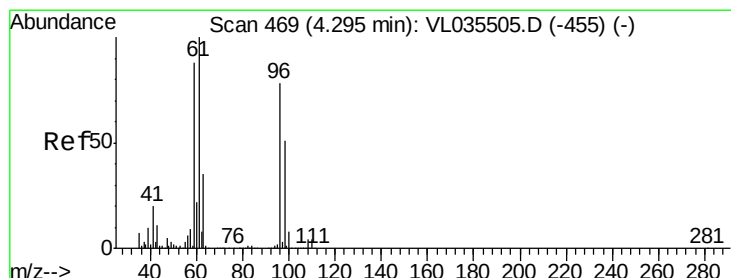
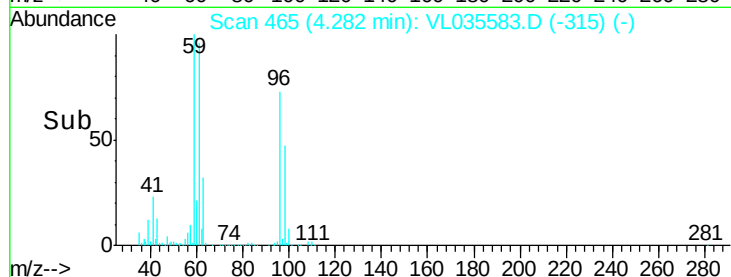
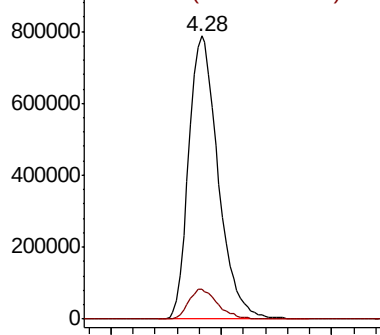
Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0
 Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene
 Concen: 9.844 ppbv
 RT: 4.28 min Scan# 464
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

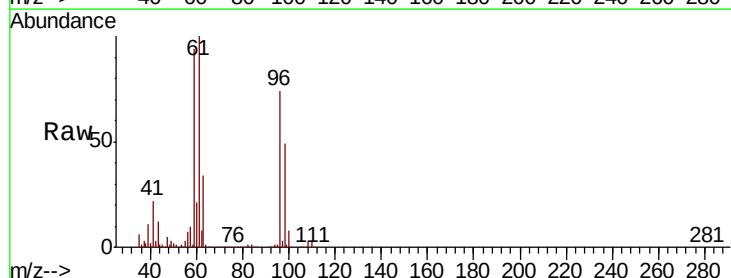
Tgt Ion: 96 Resp: 889713

Ion Ratio Lower Upper

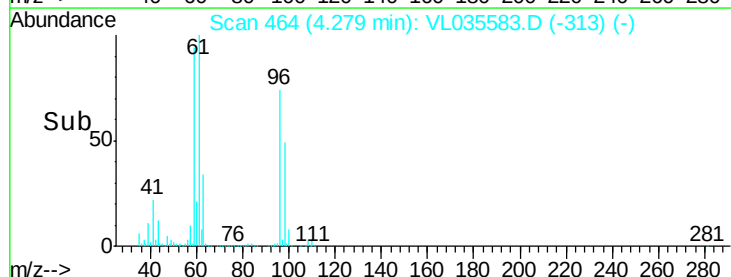
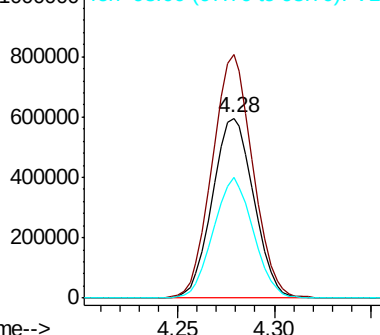
96 100

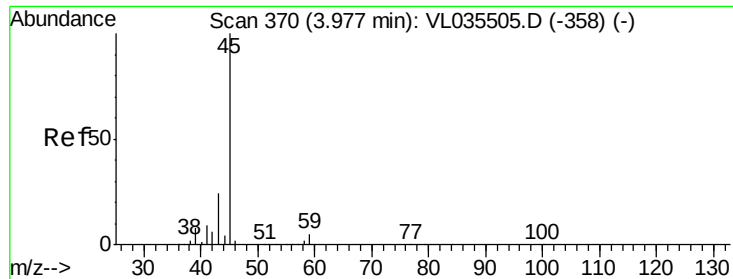
61 135.3 103.0 154.6

98 67.0 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





#19

Isopropyl Alcohol

Concen: 9.822 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

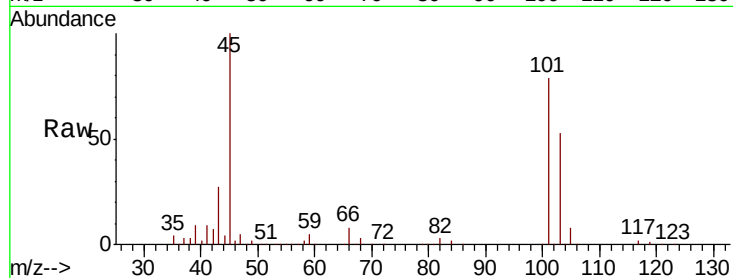
VL0910ABS01

Tot Ion: 45 Resp: 695384

Ion Ratio Lower Upper

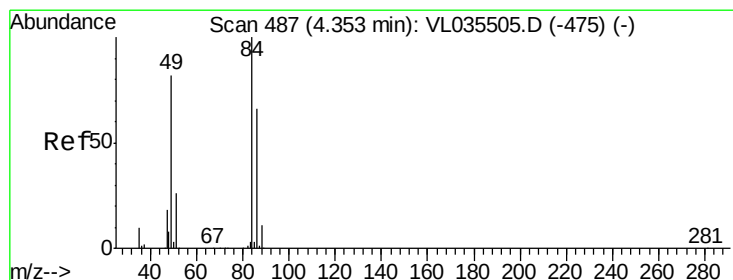
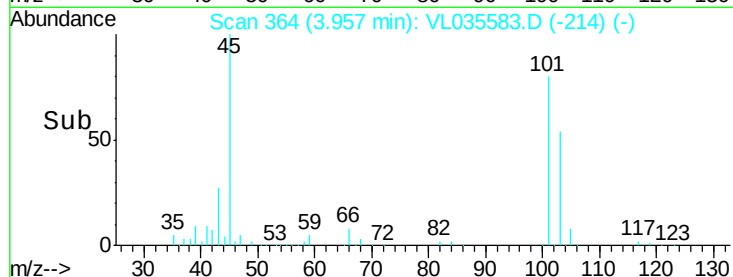
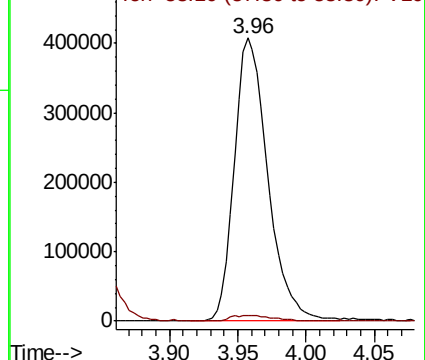
45 100

58 2.7 2.0 3.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.383 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Tgt Ion: 84 Resp: 740955

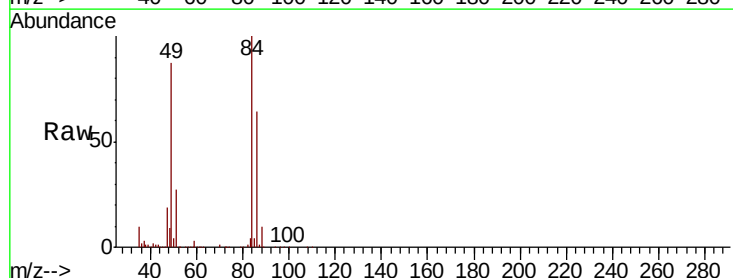
Ion Ratio Lower Upper

84 100

49 85.9 65.4 98.0

51 26.6 21.5 32.3

86 64.0 52.9 79.3

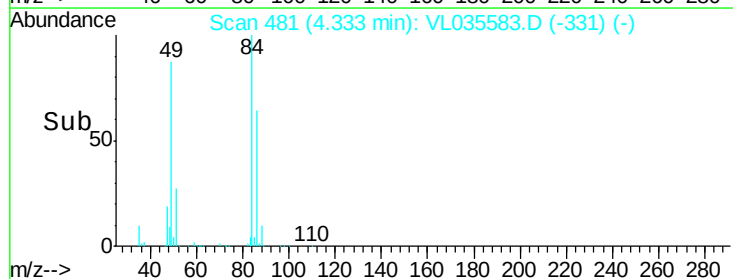
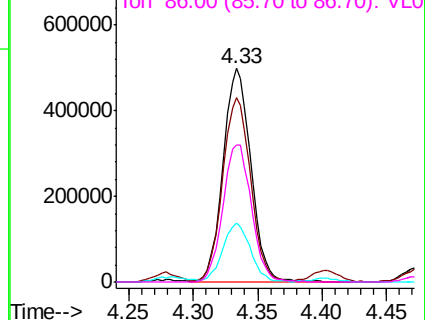


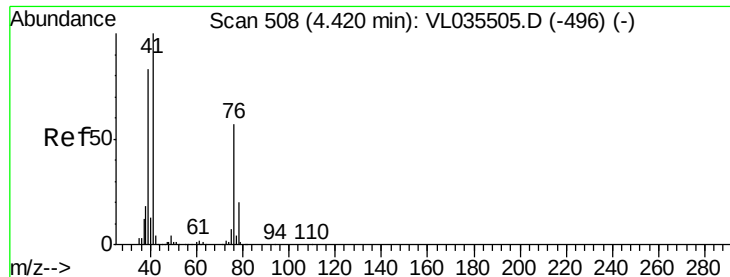
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#21

Allvl Chloride

Concen: 10.703 ppbv

RT: 4.40 min Scan# 502

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

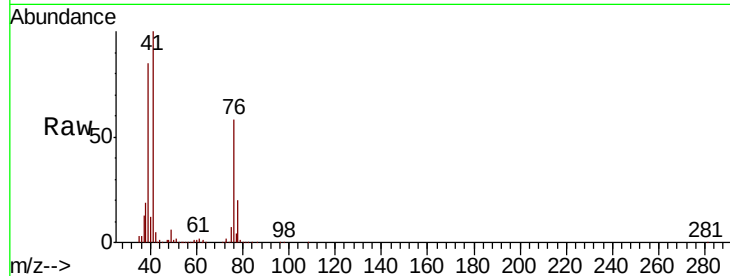
Tot Ion: 41 Resp: 595057

Ion Ratio Lower Upper

41 100

76 58.4 46.2 69.2

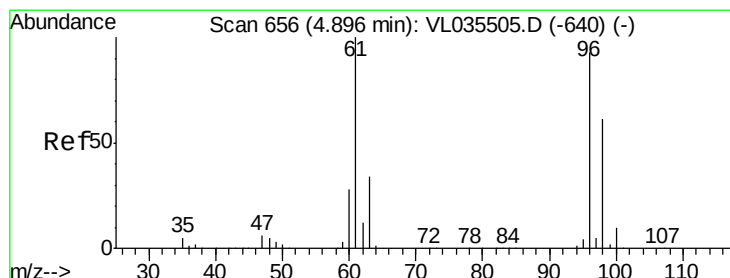
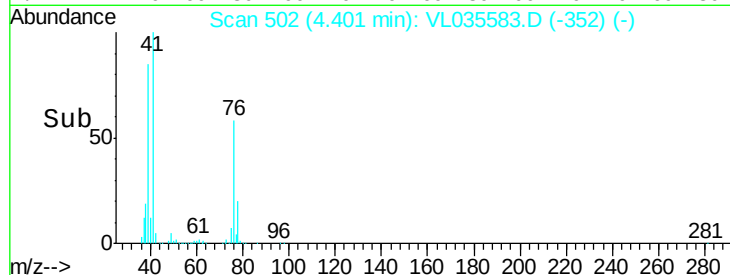
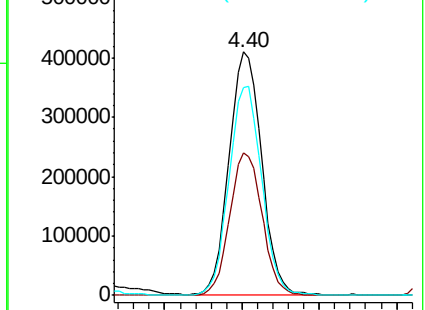
39 86.3 67.8 101.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.659 ppbv

RT: 4.88 min Scan# 650

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

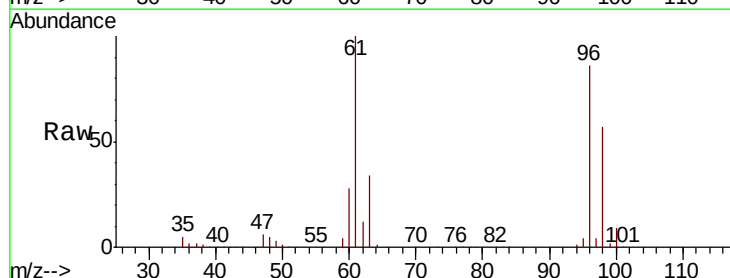
Tgt Ion: 96 Resp: 929417

Ion Ratio Lower Upper

96 100

61 115.8 86.0 129.0

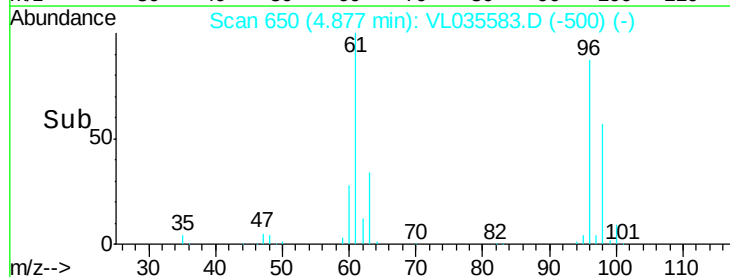
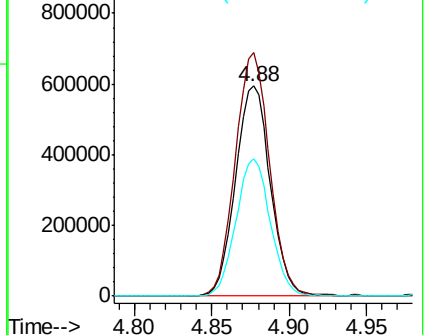
98 65.5 52.3 78.5

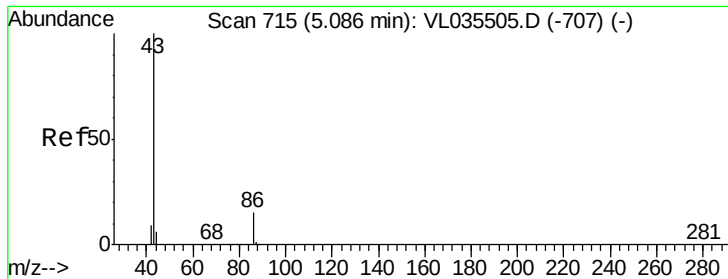


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.776 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 43 Resp: 1641318

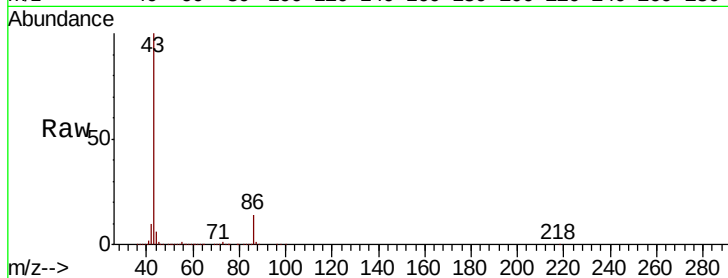
Ion Ratio Lower Upper

43 100

86 14.2 10.6 16.0

42 9.7 7.5 11.3

44 5.8 4.4 6.6

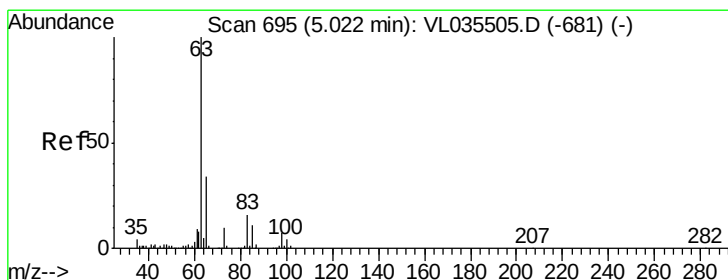
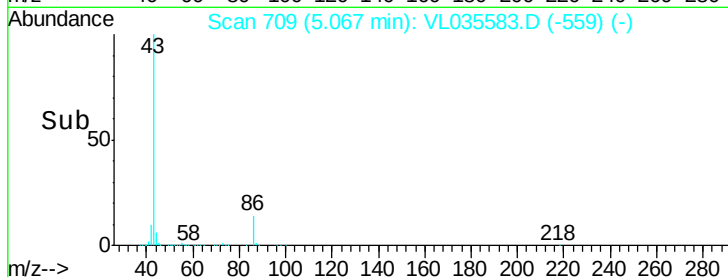
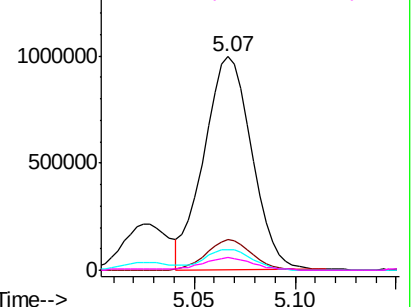


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.767 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

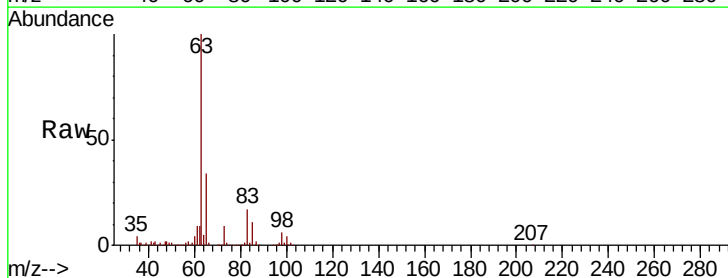
Tgt Ion: 63 Resp: 1530978

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

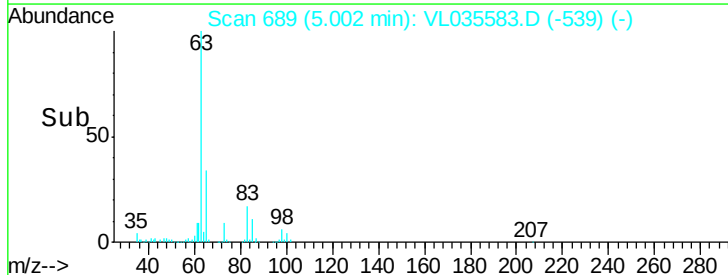
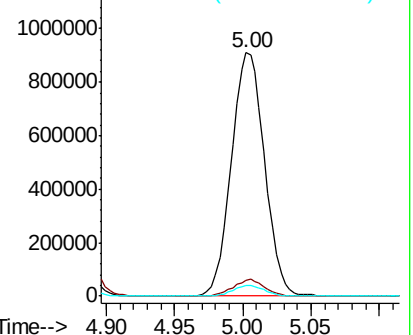
100 4.2 2.1 6.5

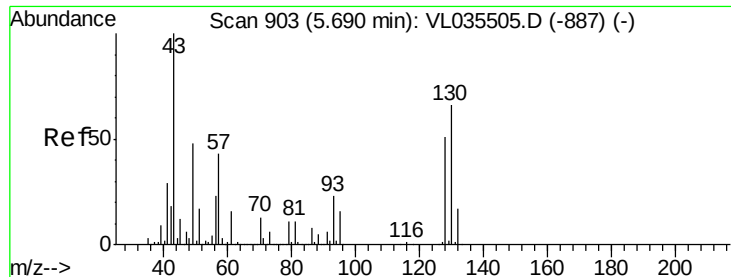


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.766 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 43 Resp: 2047518

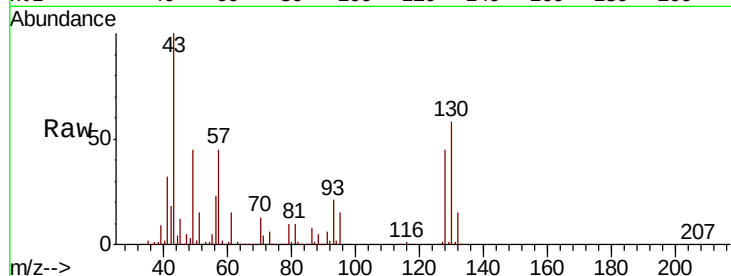
Ion Ratio Lower Upper

43 100

45 10.6 8.4 12.6

61 13.4 10.6 16.0

70 11.7 9.4 14.2



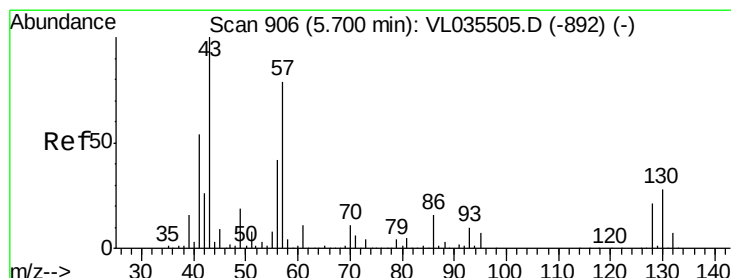
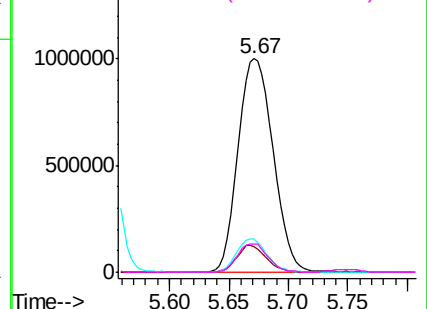
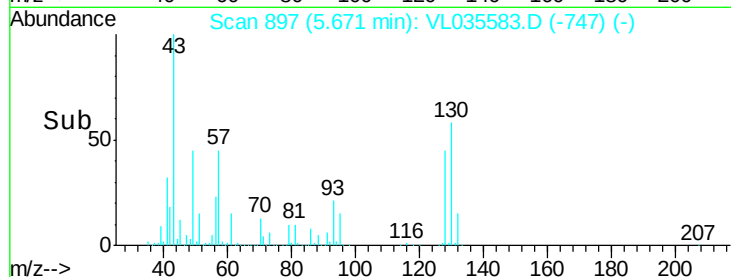
Abundance

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: 9.801 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Tgt Ion: 57 Resp: 1164277

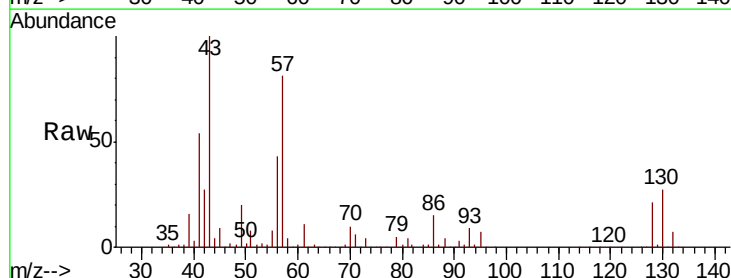
Ion Ratio Lower Upper

57 100

41 69.4 55.9 83.9

43 176.0 141.8 212.8

56 52.4 41.8 62.8



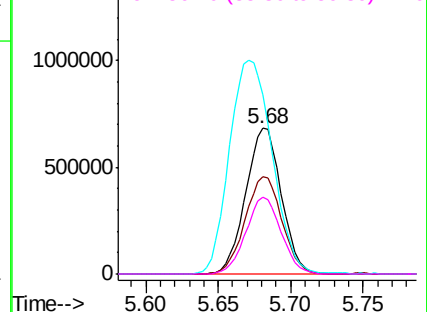
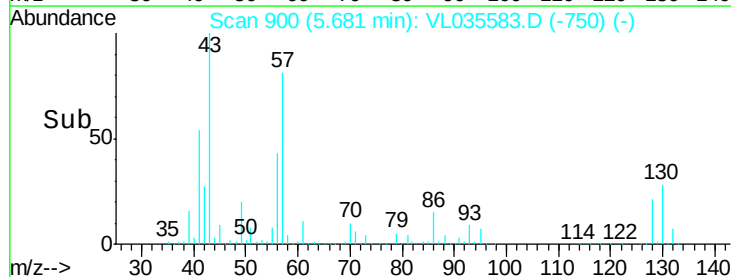
Abundance

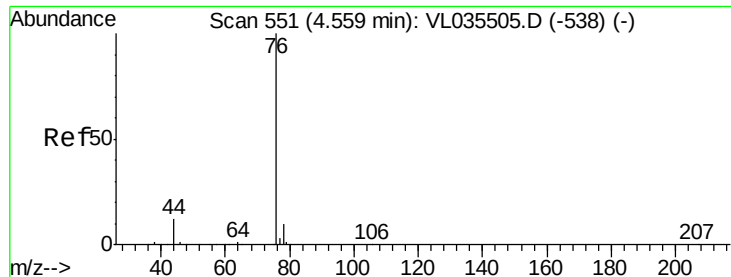
Ion 57.10 (56.80 to 57.80): VL0

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: 11.207 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

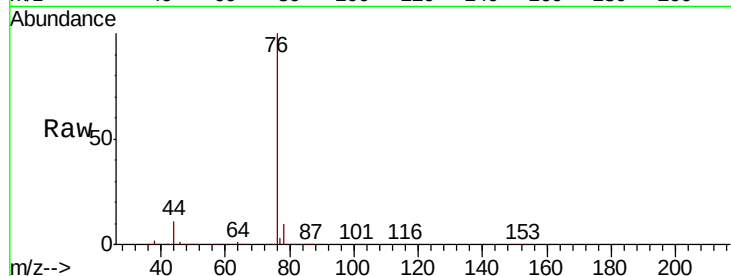
Tot Ion: 76 Resp: 1910348

Ion Ratio Lower Upper

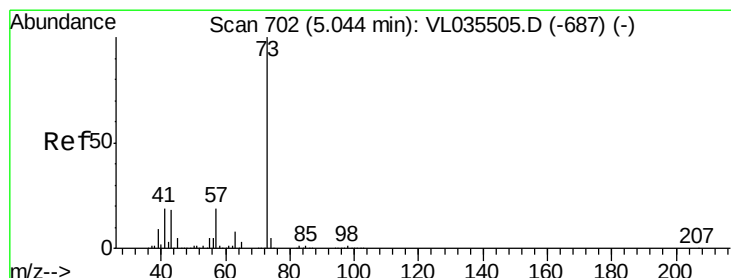
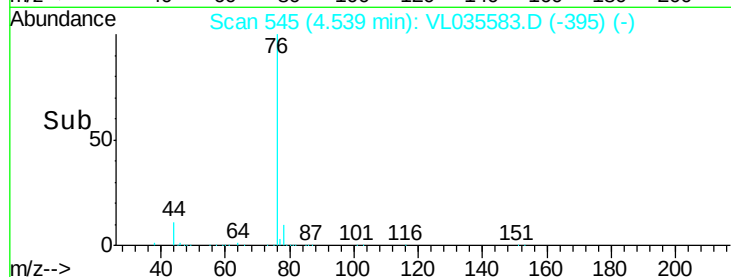
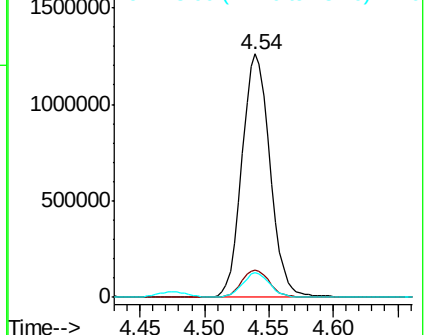
76 100

44 11.3 9.3 13.9

78 9.7 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: 10.163 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.02 min

Lab File: VL035583.D

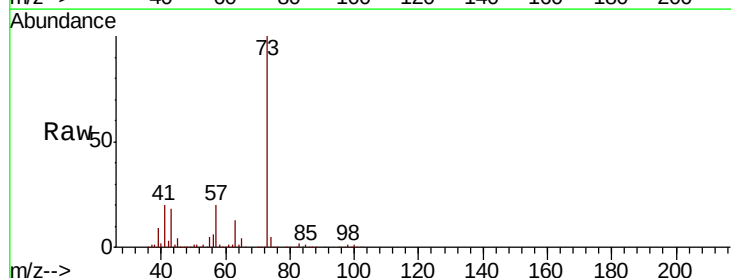
Acq: 10 Sep 2020 14:28

Tgt Ion: 73 Resp: 2104011

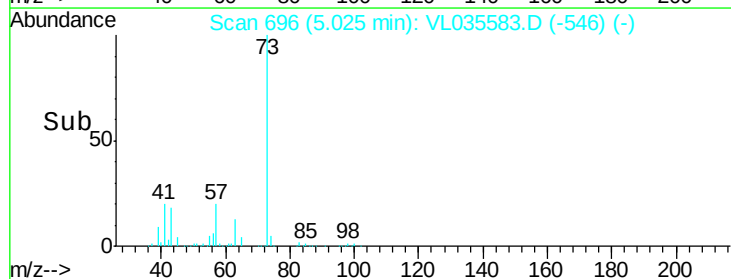
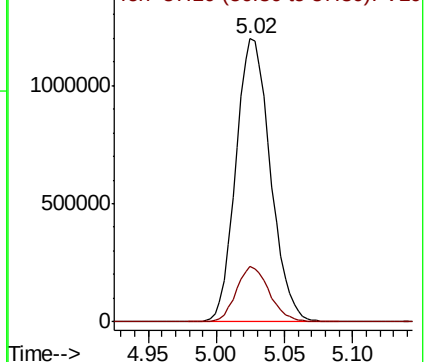
Ion Ratio Lower Upper

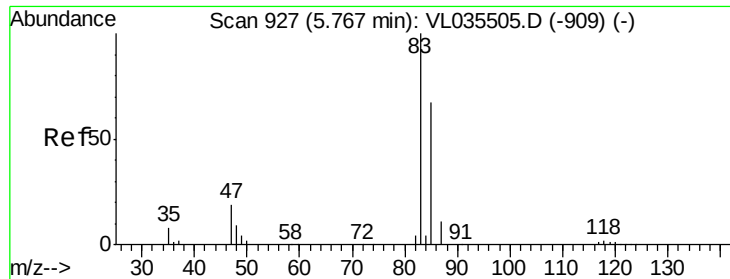
73 100

57 18.9 15.2 22.8



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

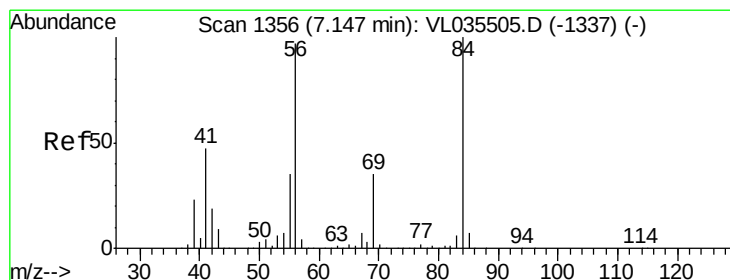
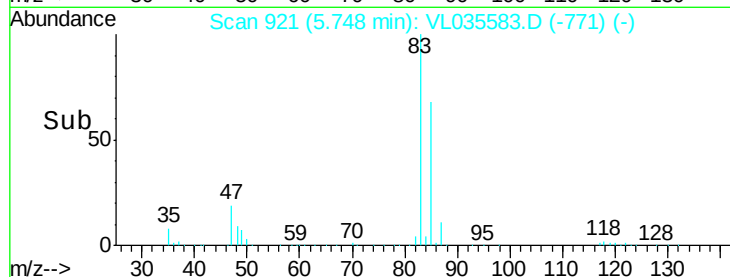
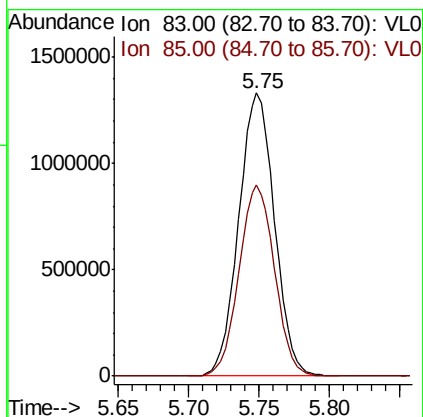
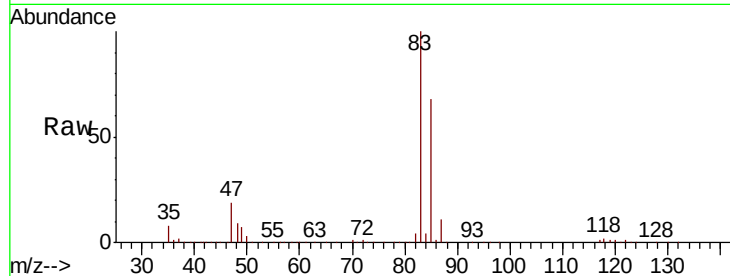




#29
Chloroform
Concen: 9.771 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

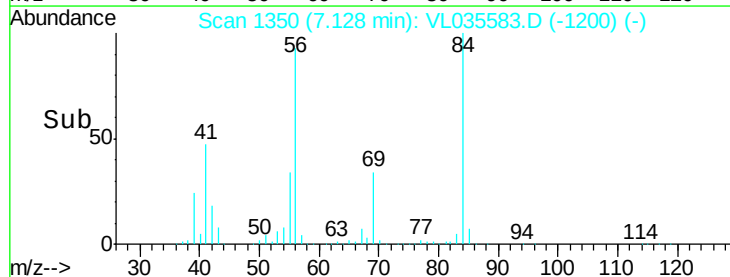
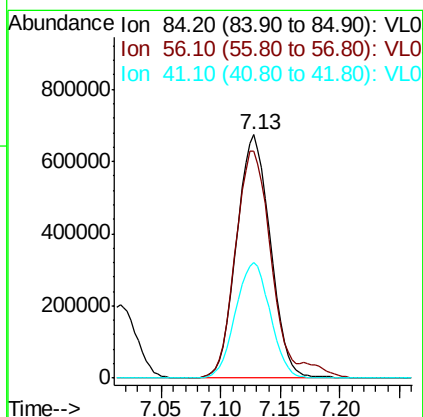
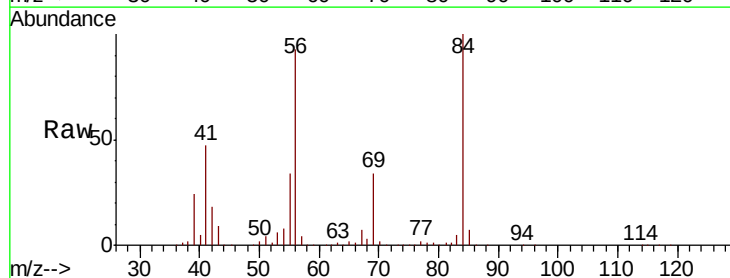
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

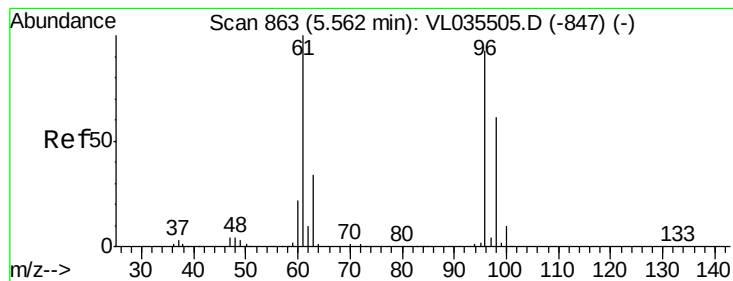
Tot Ion: 83 Resp: 2364968
Ion Ratio Lower Upper
83 100
85 67.5 53.9 80.9



#30
Cyclohexane
Concen: 10.441 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Tgt Ion: 84 Resp: 1328704
Ion Ratio Lower Upper
84 100
56 100.9 80.1 120.1
41 48.5 38.1 57.1





#31

cis-1,2-Dichloroethene

Concen: 10.263 ppbv

RT: 5.54 min Scan# 857

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

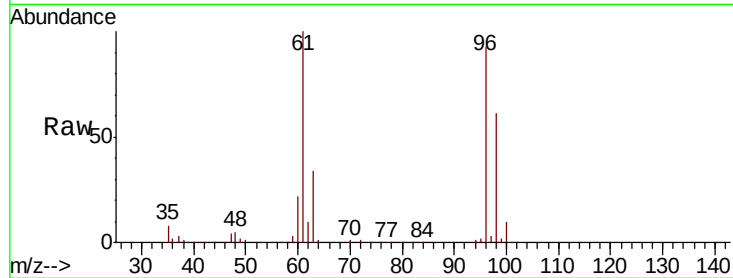
Tot Ion: 61 Resp: 1250723

Ion Ratio Lower Upper

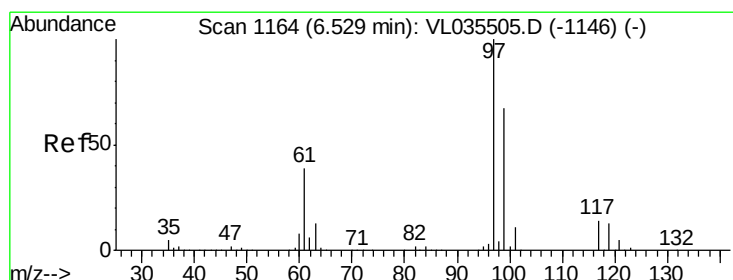
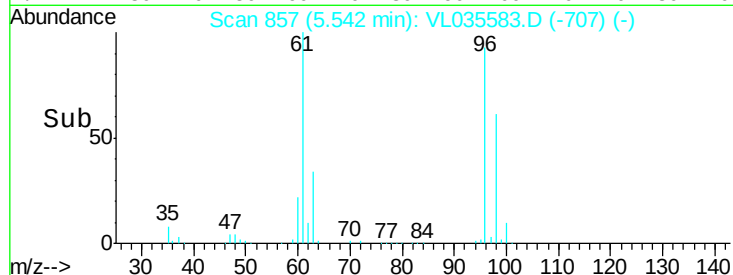
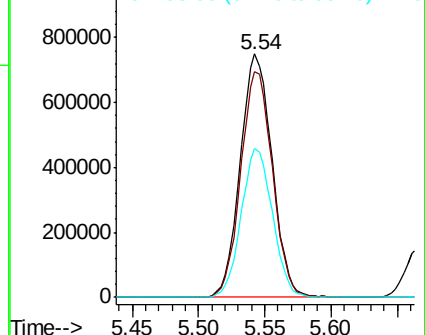
61 100

96 92.7 74.4 111.6

98 61.1 49.2 73.8



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



#32

1,1,1-Trichloroethane

Concen: 10.010 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

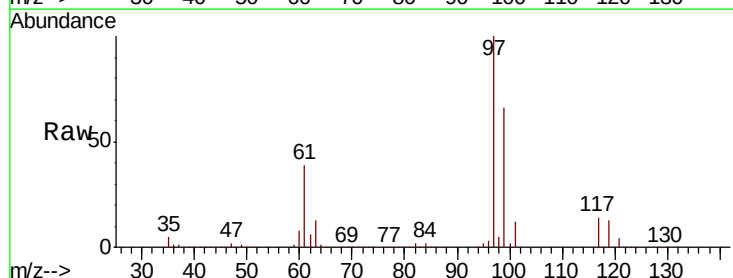
Tgt Ion: 97 Resp: 2350227

Ion Ratio Lower Upper

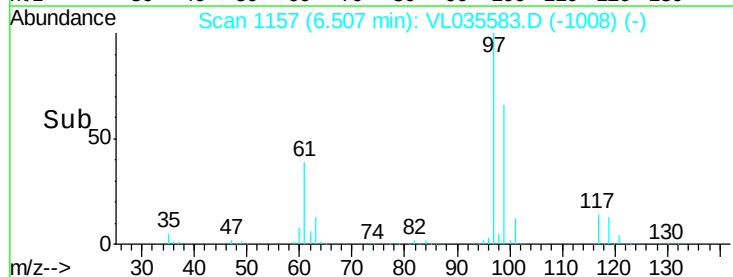
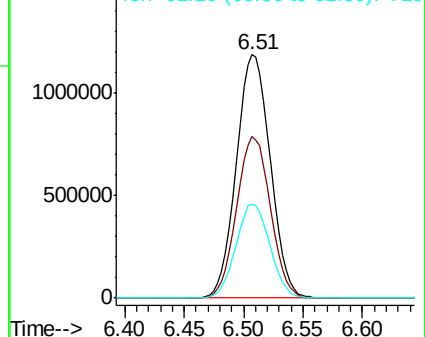
97 100

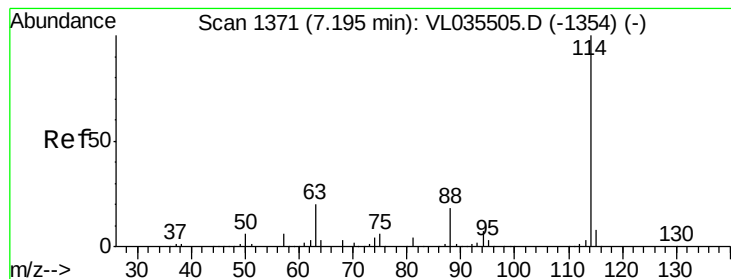
99 66.1 53.3 79.9

61 38.8 30.6 46.0



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





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

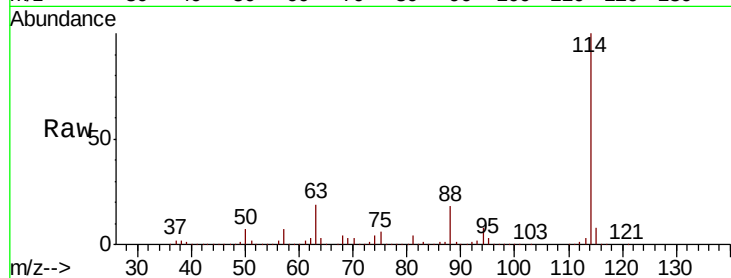
Tot Ion:114 Resp: 4571358

Ion Ratio Lower Upper

114 100

63 18.8 14.7 22.1

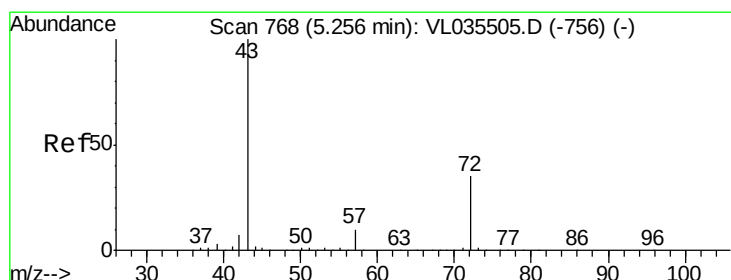
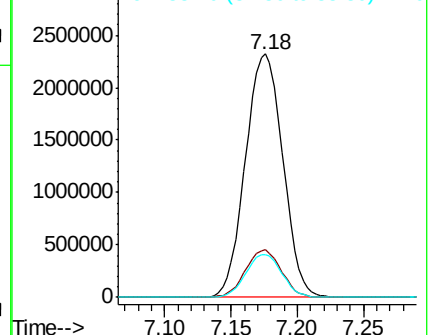
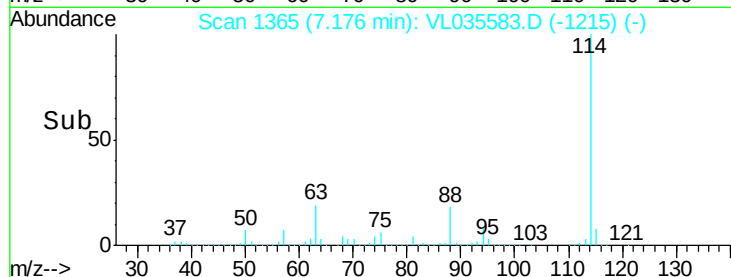
88 17.0 13.4 20.2



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: 10.571 ppbv

RT: 5.24 min Scan# 762

Delta R.T. -0.02 min

Lab File: VL035583.D

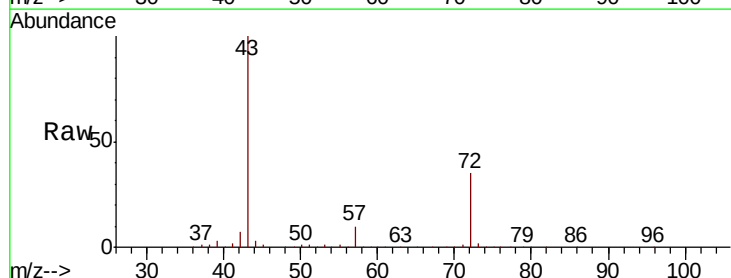
Acq: 10 Sep 2020 14:28

Tgt Ion: 43 Resp: 1434163

Ion Ratio Lower Upper

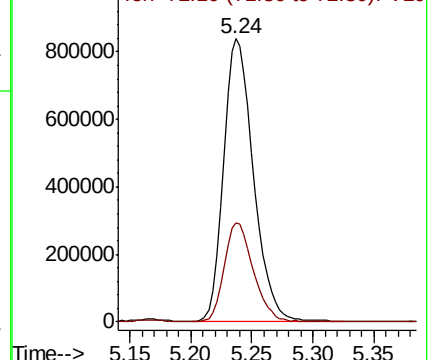
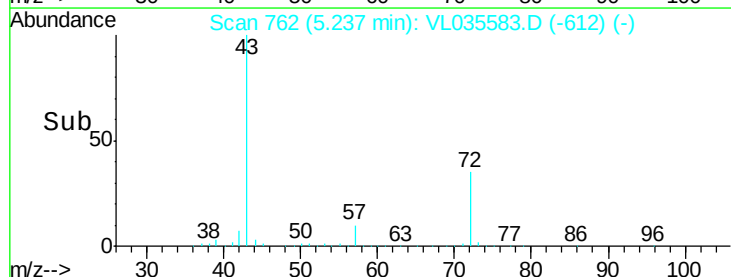
43 100

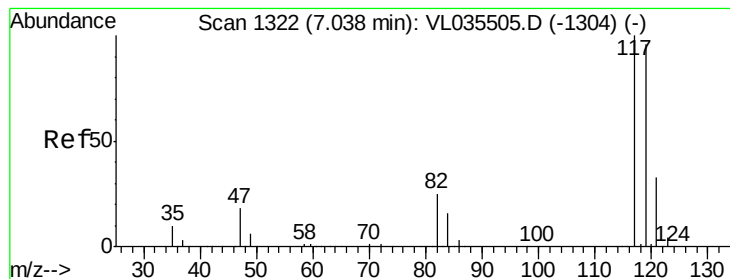
72 34.5 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.711 ppbv

RT: 7.02 min Scan# 1315

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

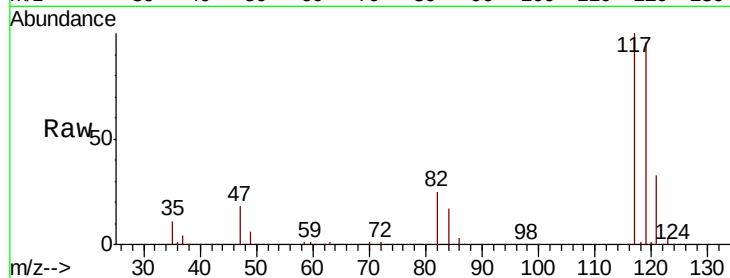
Tot Ion:117 Resp: 2460767

Ion Ratio Lower Upper

117 100

119 96.2 77.2 115.8

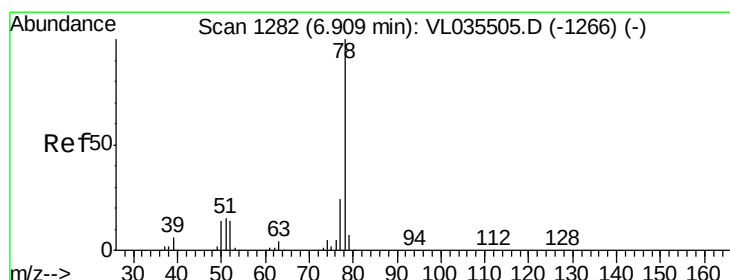
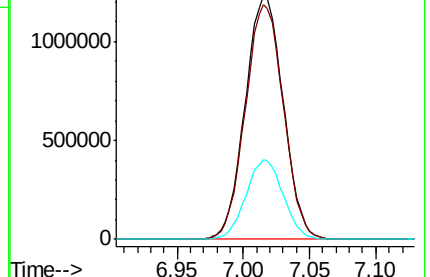
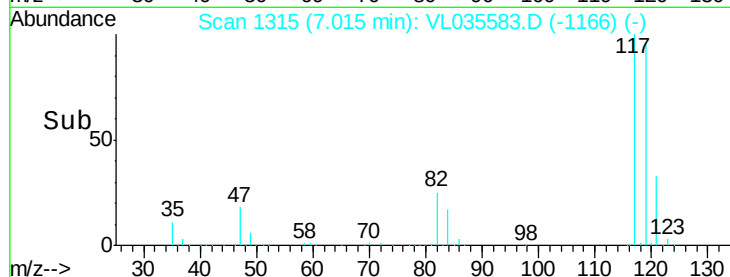
121 32.6 26.1 39.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.306 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

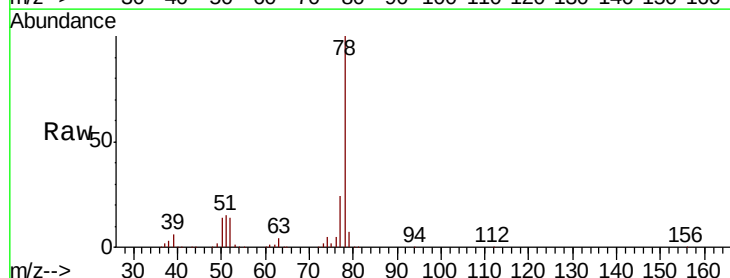
Tgt Ion: 78 Resp: 3049582

Ion Ratio Lower Upper

78 100

77 23.6 19.3 28.9

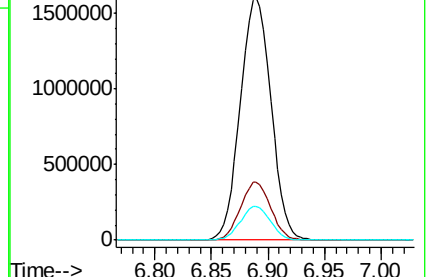
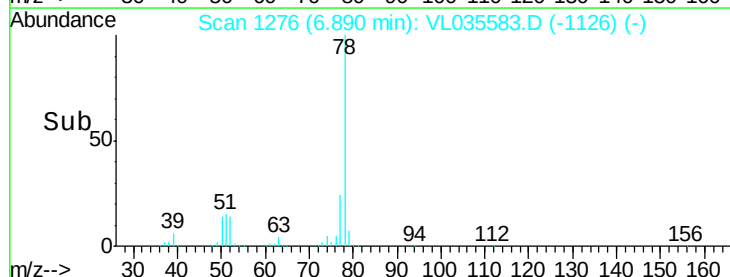
50 13.8 11.0 16.6

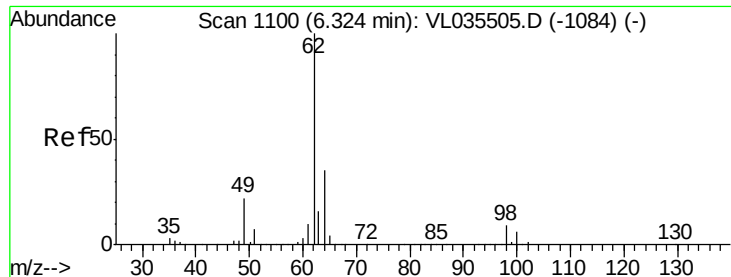


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

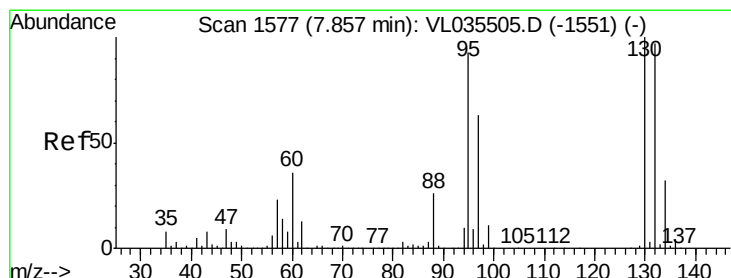
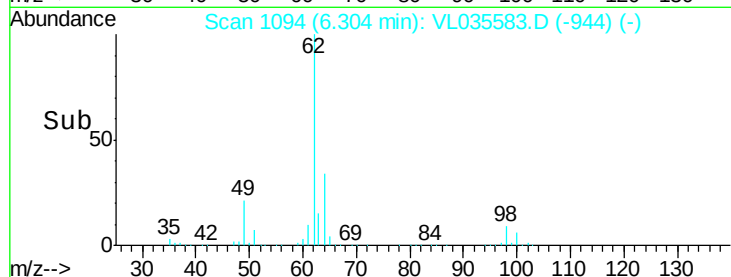
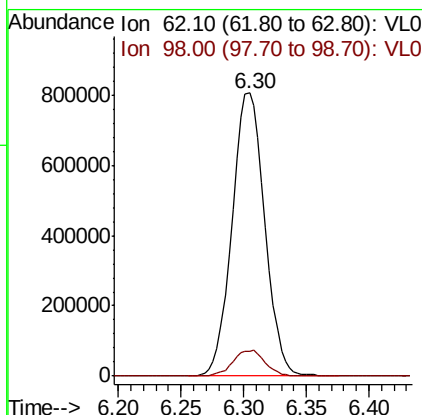
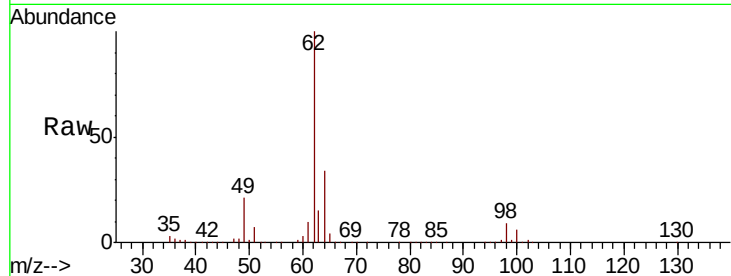




#37
 1,2-Dichloroethane
 Concen: 10.334 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

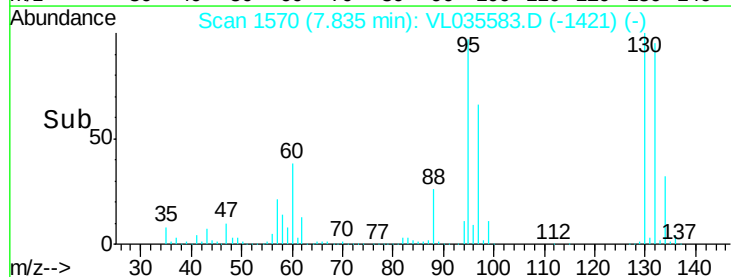
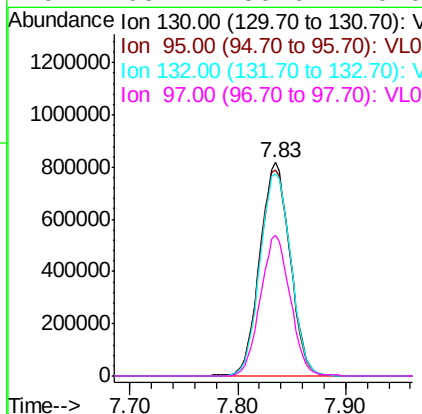
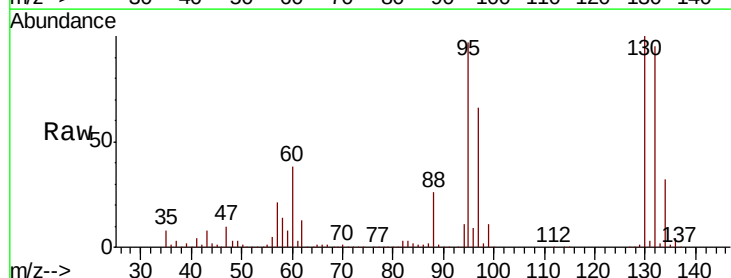
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

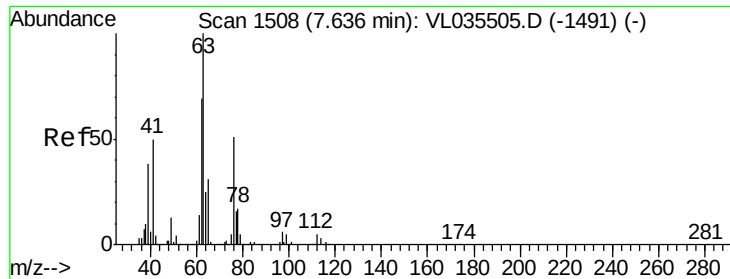
Tot Ion: 62 Resp: 1457913
 Ion Ratio Lower Upper
 62 100
 98 9.1 7.4 11.0



#38
 Trichloroethene
 Concen: 9.218 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Tgt Ion:130 Resp: 1584411
 Ion Ratio Lower Upper
 130 100
 95 96.7 74.6 112.0
 132 94.8 77.6 116.4
 97 65.7 50.6 76.0





#39

1,2-Dichloropropane

Concen: 10.246 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

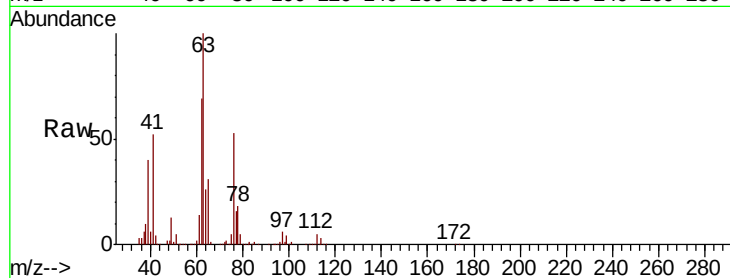
Tot Ion: 63 Resp: 1024161

Ion Ratio Lower Upper

63 100

41 52.0 40.0 60.0

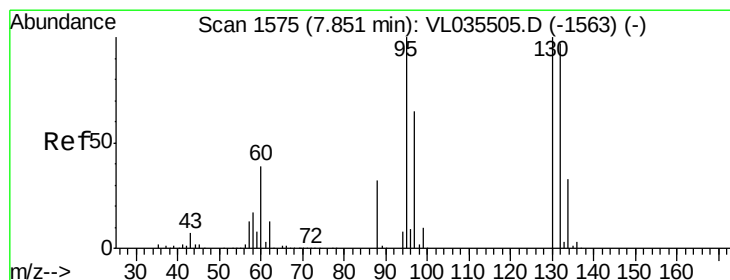
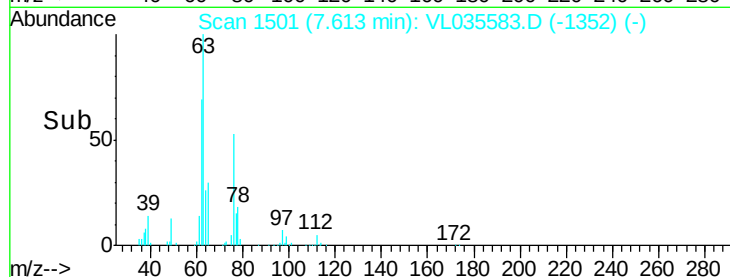
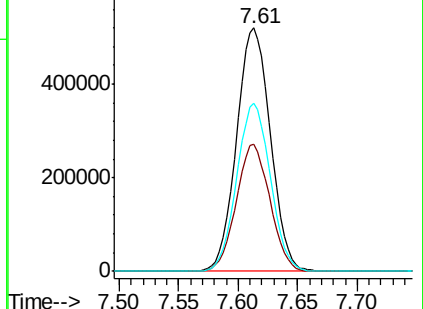
62 68.9 55.4 83.0



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: 10.292 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Tgt Ion: 88 Resp: 513960

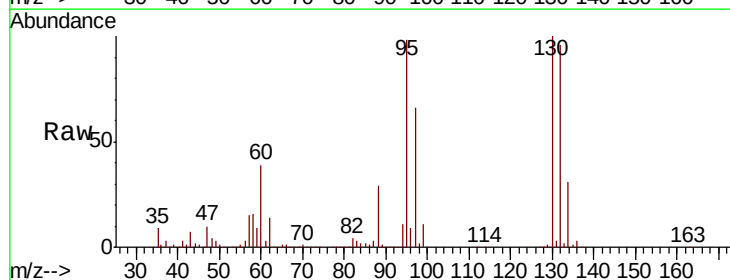
Ion Ratio Lower Upper

88 100

58 90.6 68.7 103.1

43 141.2 104.3 156.5

57 765.6 560.7 841.1

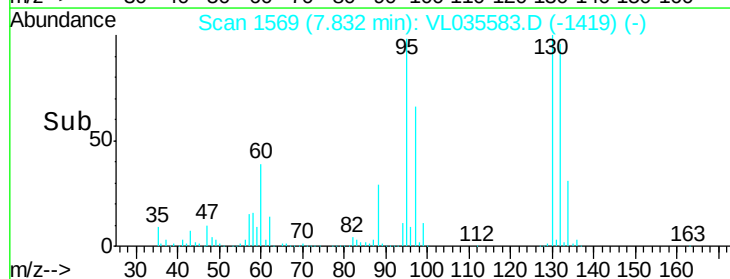
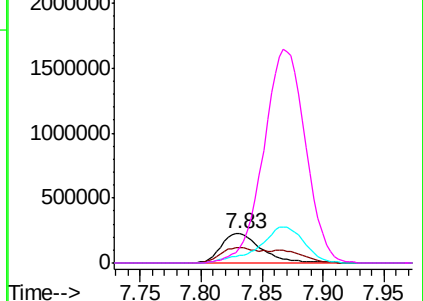


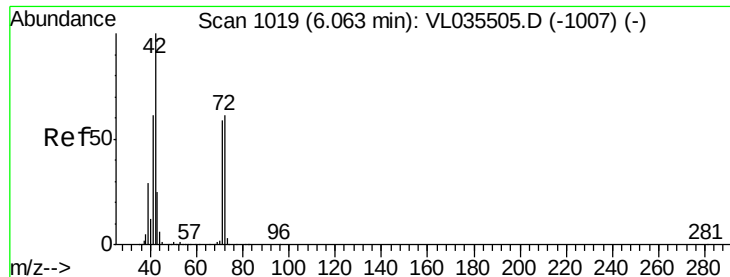
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 11.137 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

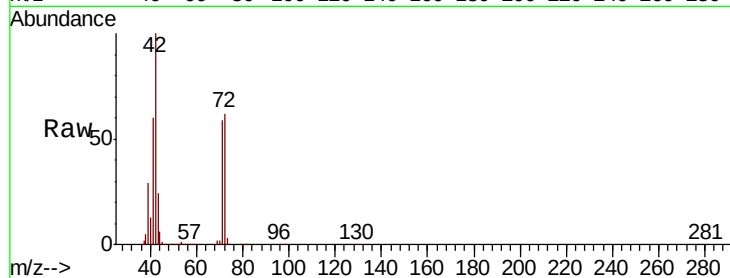
Tot Ion: 42 Resp: 801167

Ion Ratio Lower Upper

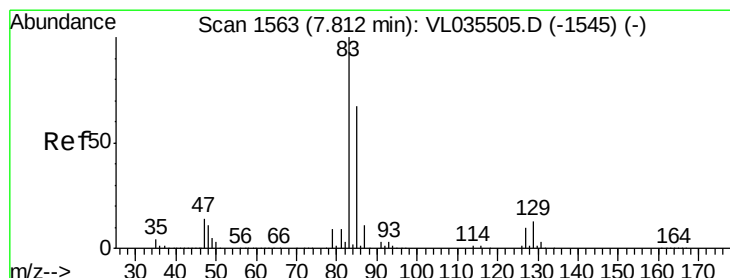
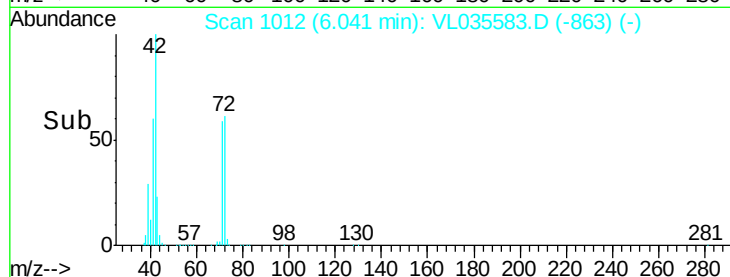
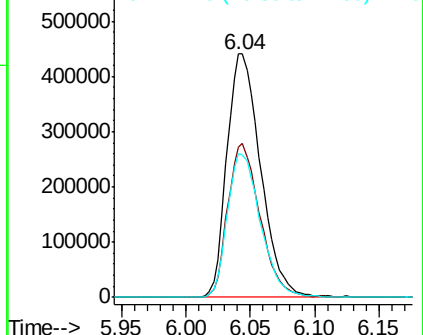
42 100

72 60.5 48.6 73.0

71 58.2 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: 10.984 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

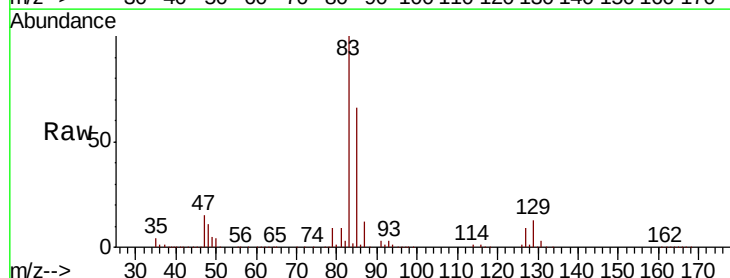
Tgt Ion: 83 Resp: 2505856

Ion Ratio Lower Upper

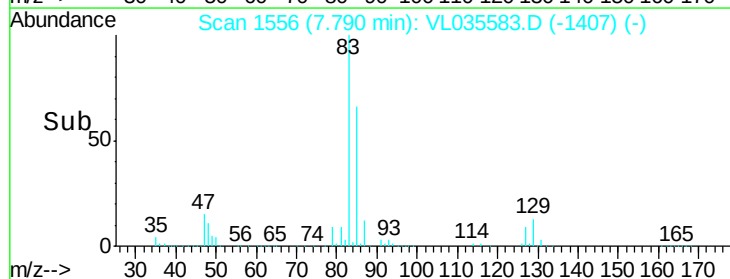
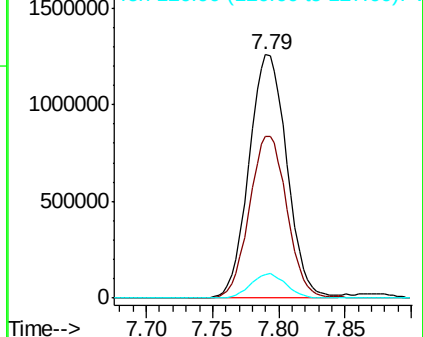
83 100

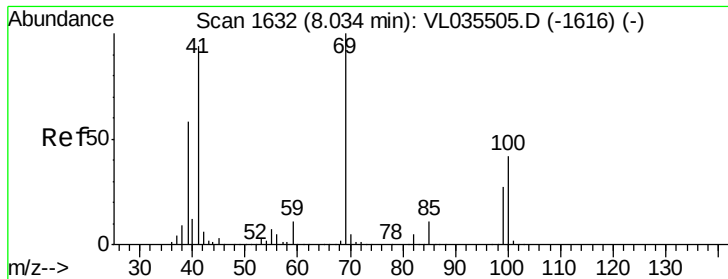
85 66.2 53.7 80.5

127 9.5 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

Methvl Methacrylate

Concen: 11.156 ppbv

RT: 8.02 min Scan# 1626

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

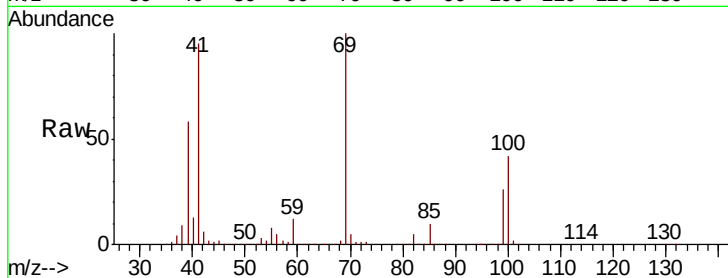
Tot Ion: 69 Resp: 1276464

Ion Ratio Lower Upper

69 100

41 95.4 76.6 114.8

100 41.4 33.8 50.6



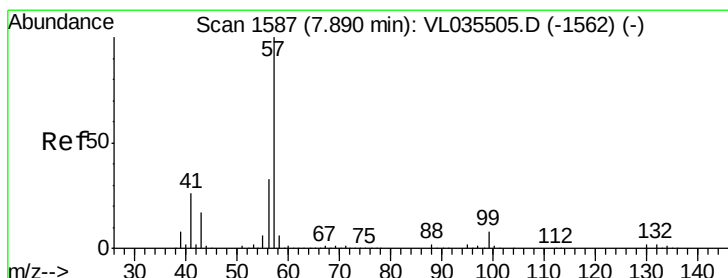
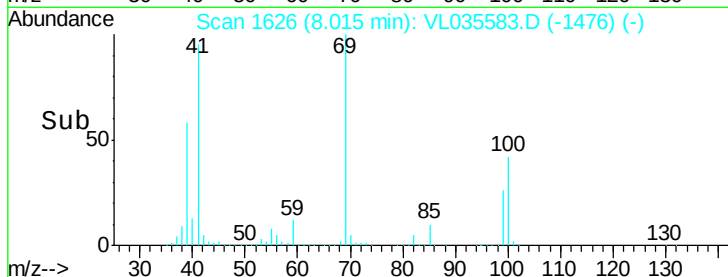
Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0

8.02

Time-->



#44

2,2,4-Trimethylpentane

Concen: 10.096 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

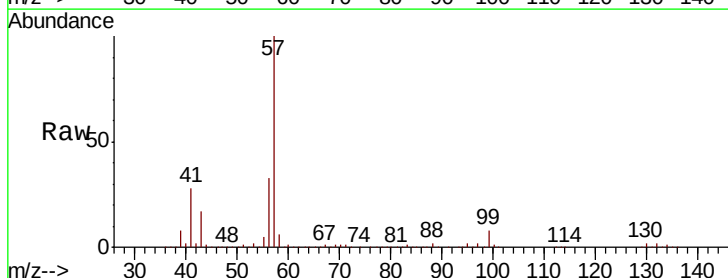
Tgt Ion: 57 Resp: 3930695

Ion Ratio Lower Upper

57 100

41 25.8 20.5 30.7

56 31.8 25.3 37.9



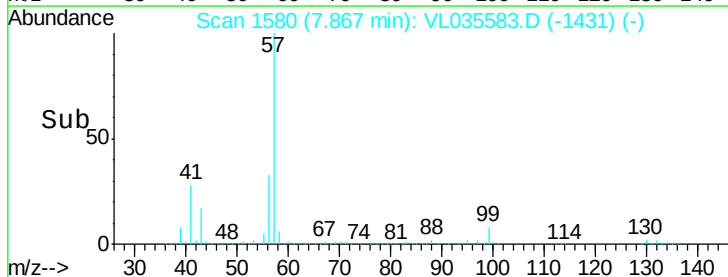
Abundance Ion 57.10 (56.80 to 57.80): VL0

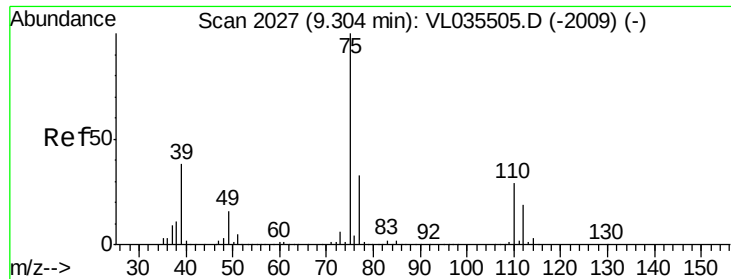
Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

7.87

Time-->

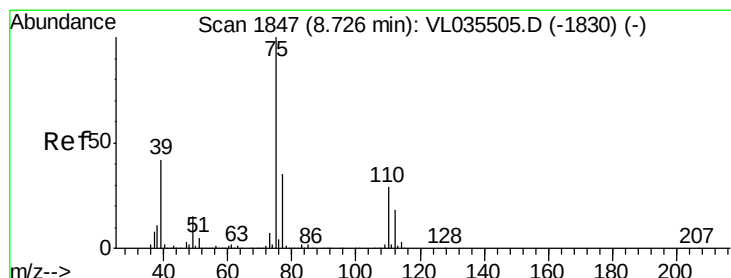
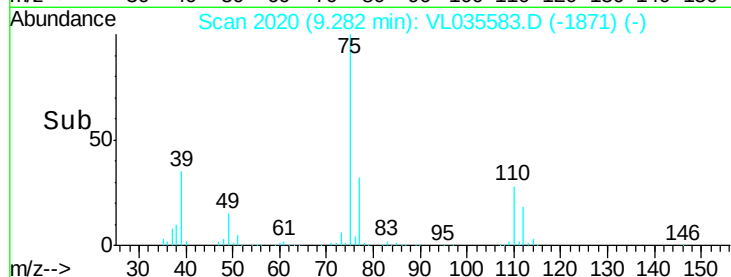
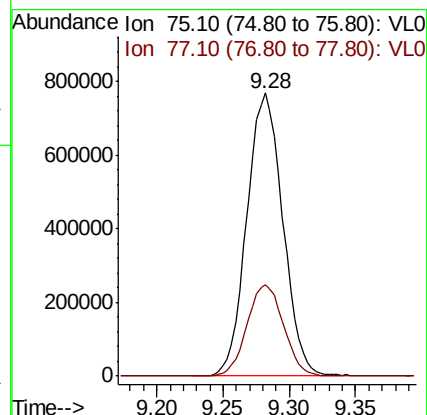
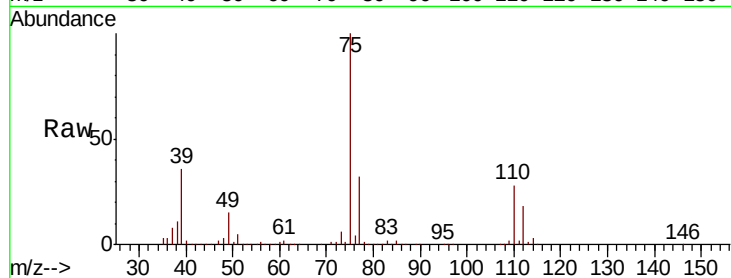




#45
 t-1,3-Dichloropropene
 Concen: 12.561 ppbv
 RT: 9.28 min Scan# 2020
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

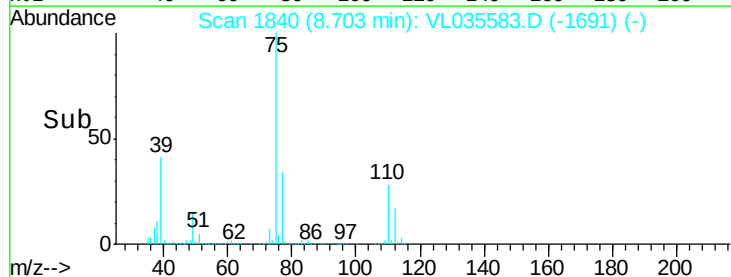
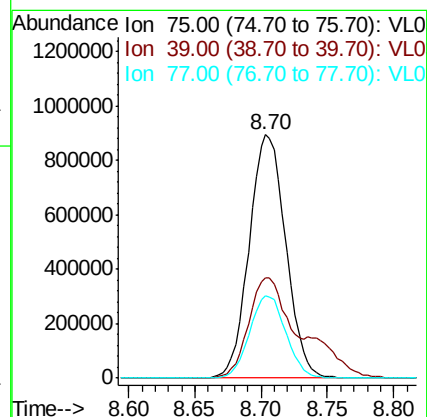
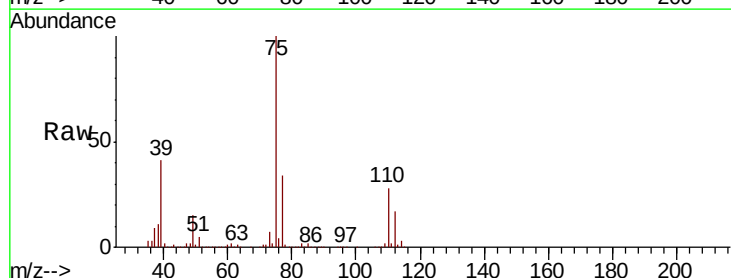
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

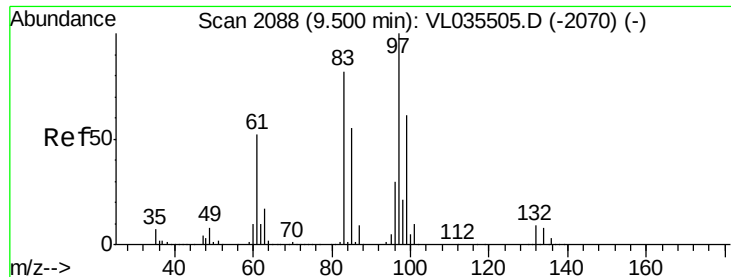
Tot Ion: 75 Resp: 1455924
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.5 39.7



#46
 cis-1,3-Dichloropropene
 Concen: 11.899 ppbv
 RT: 8.70 min Scan# 1840
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Tgt Ion: 75 Resp: 1712507
 Ion Ratio Lower Upper
 75 100
 39 41.4 33.7 50.5
 77 33.8 27.8 41.6



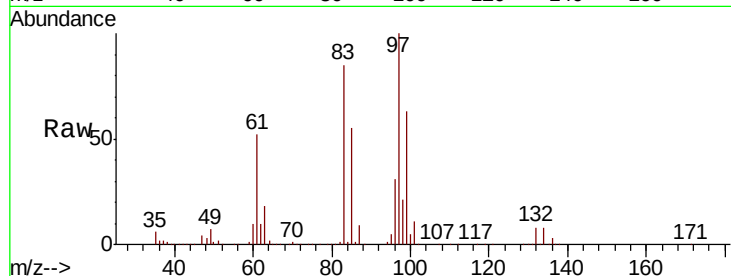


#47
 1,1,2-Trichloroethane
 Concen: 10.207 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion: 97 Resp: 1505577

Ion	Ratio	Lower	Upper
97	100		
83	84.7	65.4	98.2
85	54.8	43.7	65.5
99	63.3	49.1	73.7



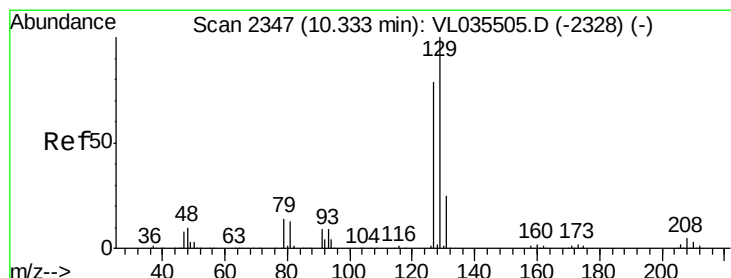
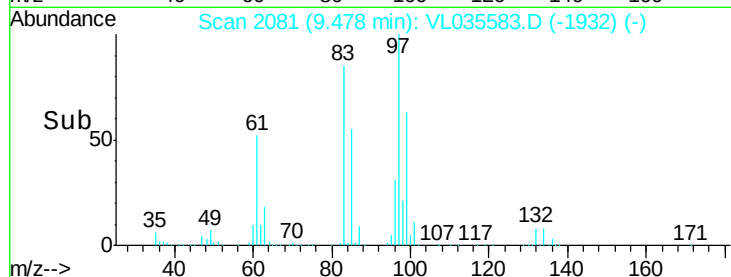
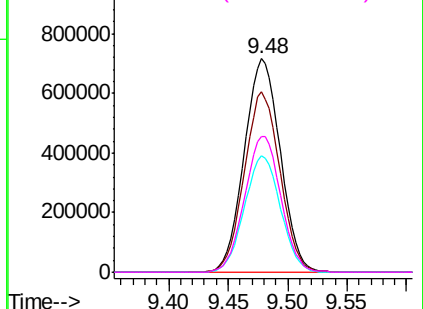
Abundance

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

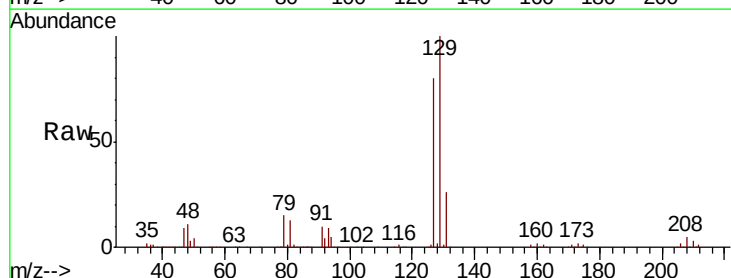
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 11.142 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. -0.03 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Tgt Ion: 129 Resp: 2586553

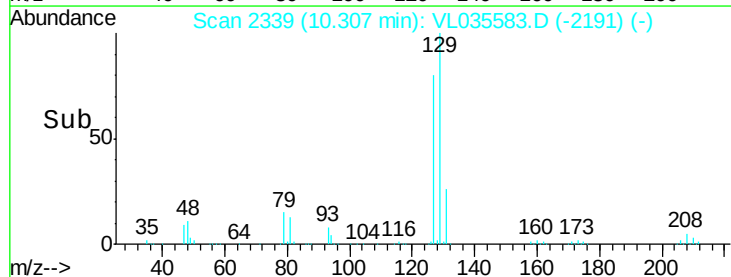
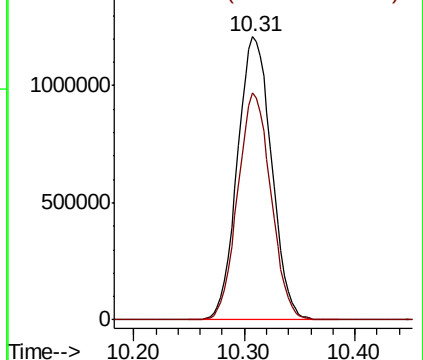
Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.3	117.8

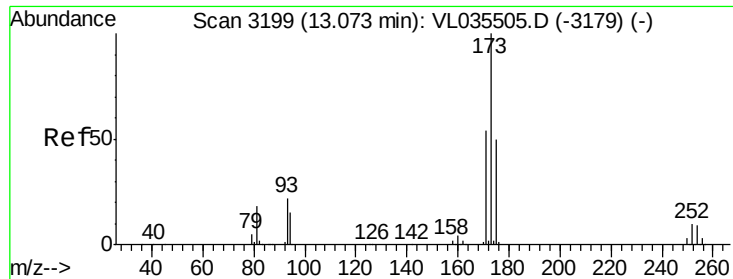


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.323 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. -0.03 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

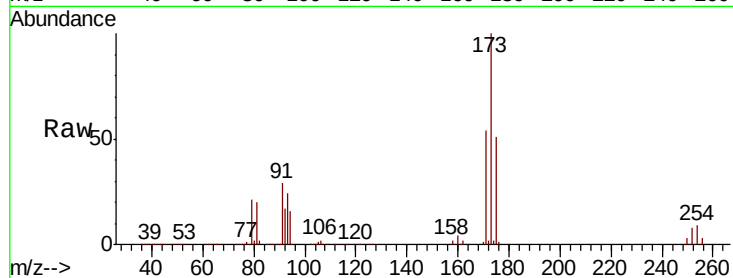
Tot Ion:173 Resp: 2382145

Ion Ratio Lower Upper

173 100

175 50.2 39.8 59.8

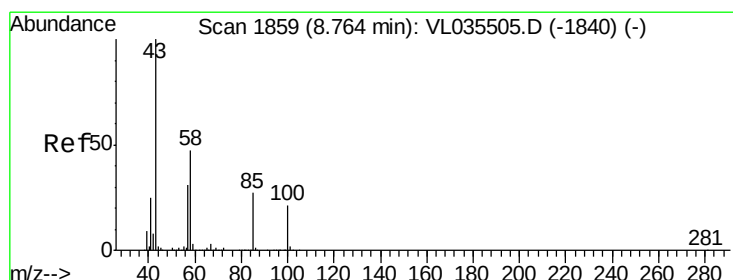
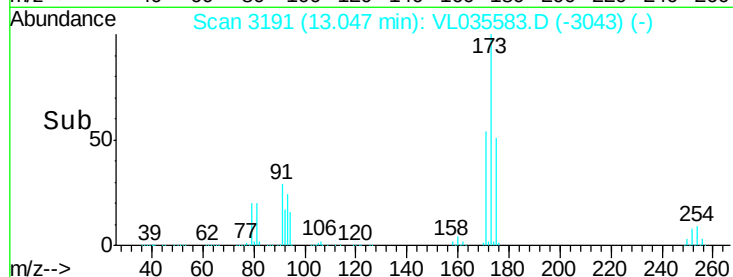
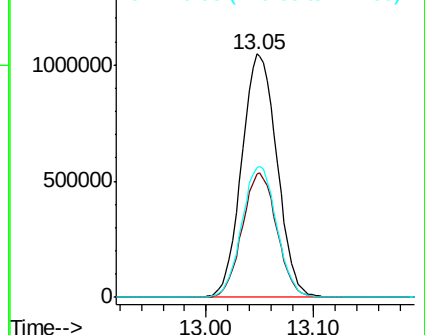
171 53.3 42.4 63.6



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: 10.764 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.02 min

Lab File: VL035583.D

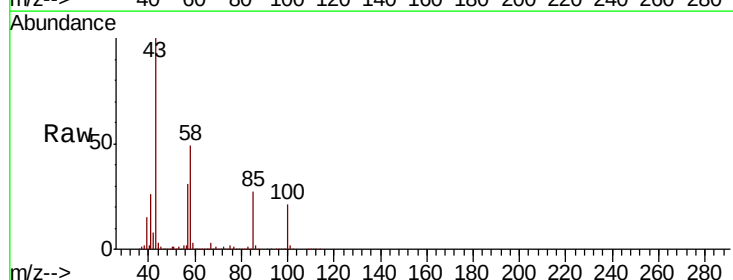
Acq: 10 Sep 2020 14:28

Tgt Ion: 43 Resp: 2114598

Ion Ratio Lower Upper

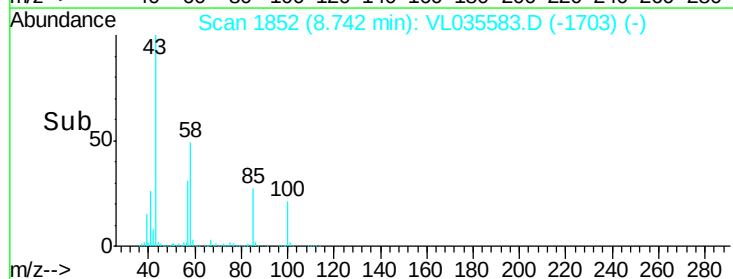
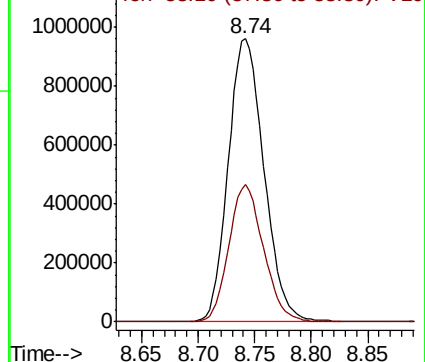
43 100

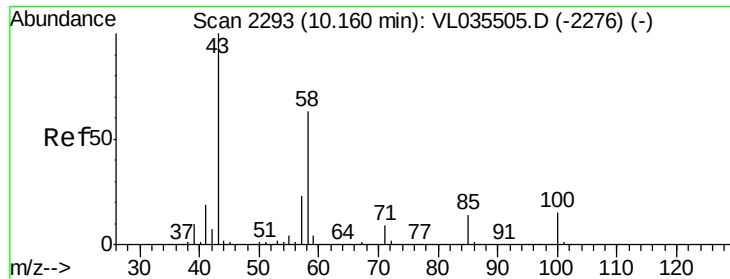
58 47.1 37.4 56.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

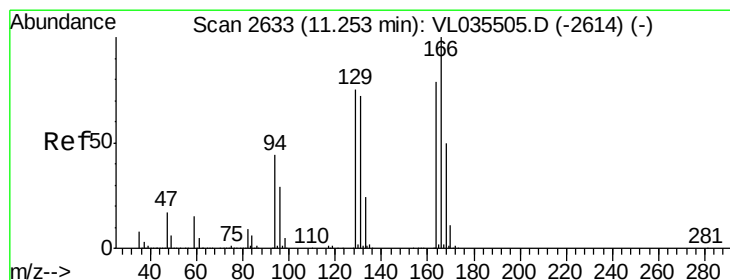
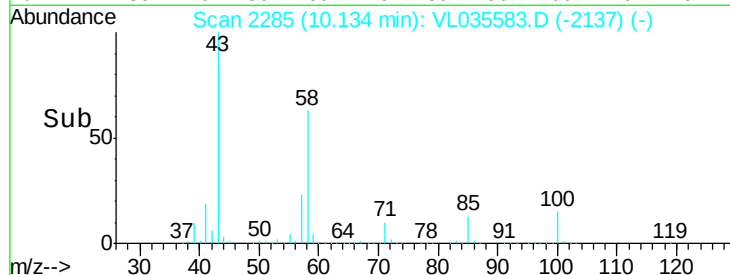
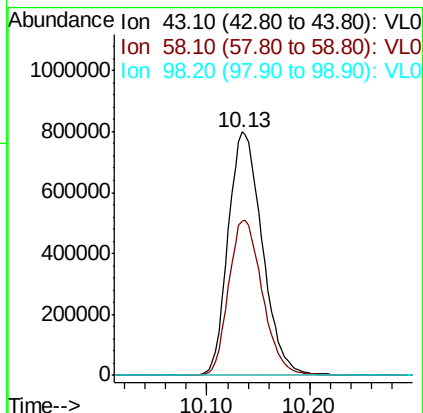
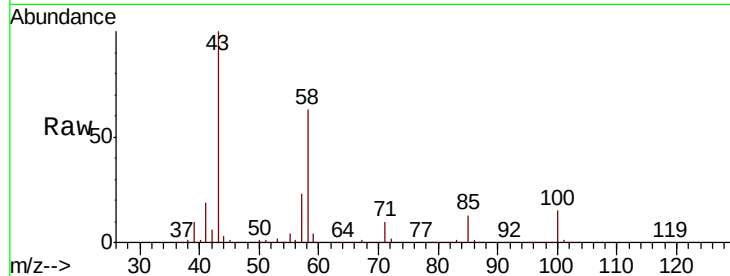




#51
2-Hexanone
Concen: 11.428 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.03 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

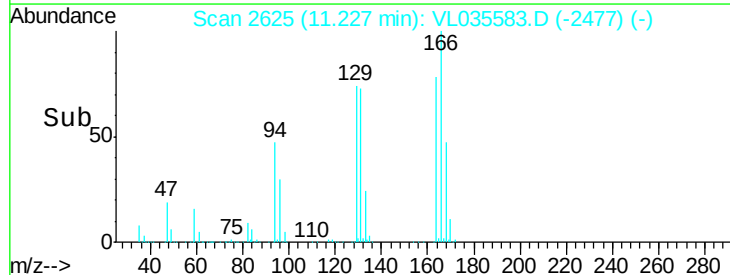
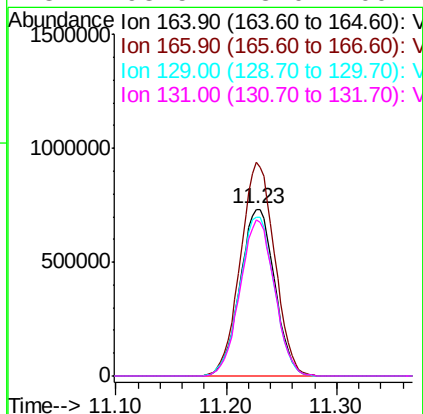
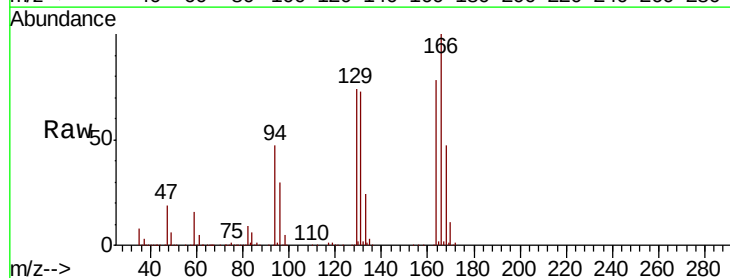
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

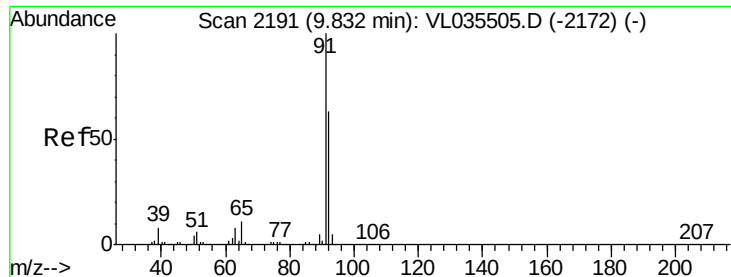
Tot Ion: 43 Resp: 1841659
Ion Ratio Lower Upper
43 100
58 63.1 50.2 75.4
98 0.6 0.4 0.6



#52
Tetrachloroethene
Concen: 9.224 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. -0.03 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Tgt Ion: 164 Resp: 1594598
Ion Ratio Lower Upper
164 100
166 128.2 100.9 151.3
129 95.0 75.3 112.9
131 93.5 73.0 109.4





#53

Toluene

Concen: 10.400 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.03 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

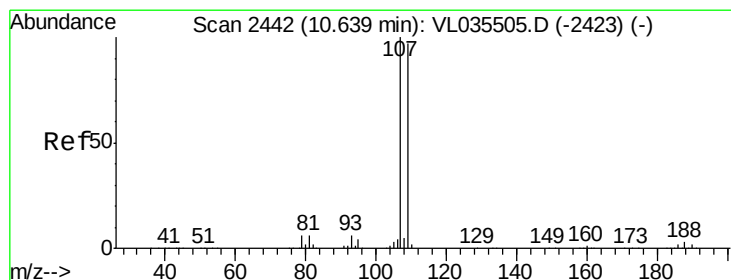
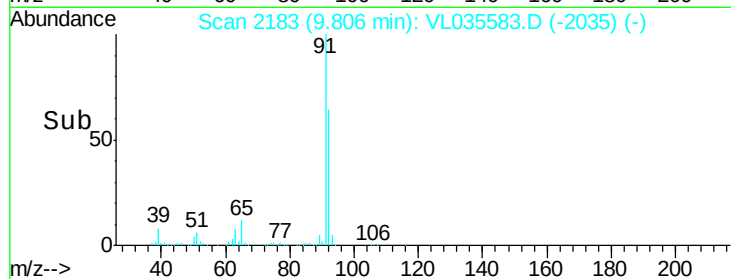
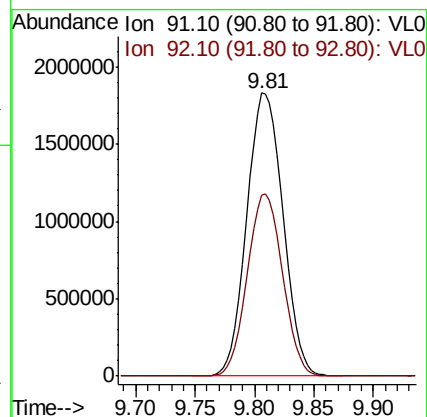
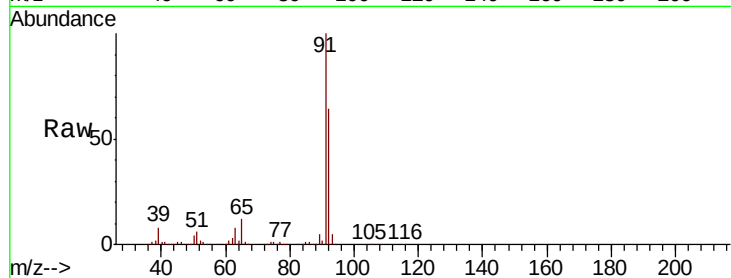
VL0910ABS01

Tot Ion: 91 Resp: 3870043

Ion Ratio Lower Upper

91 100

92 62.8 49.8 74.8



#54

1,2-Dibromoethane

Concen: 10.314 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.02 min

Lab File: VL035583.D

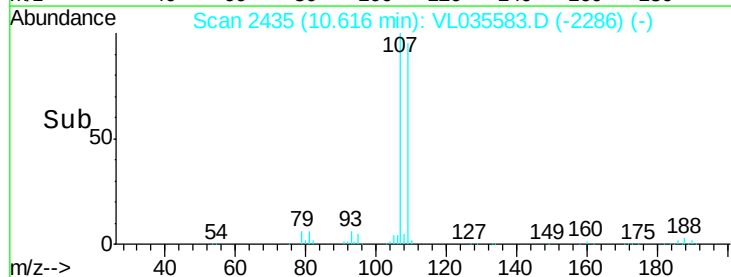
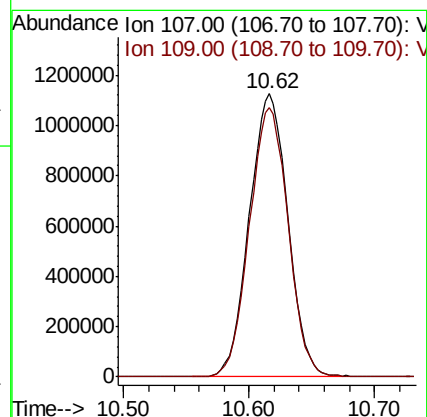
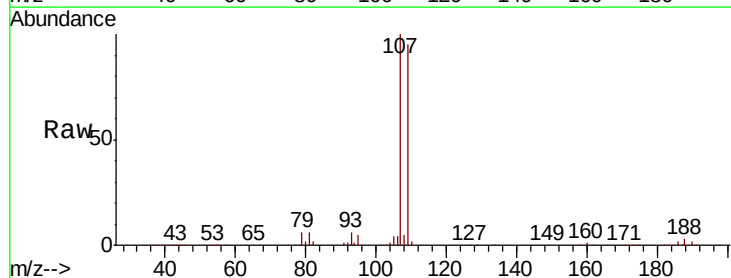
Acq: 10 Sep 2020 14:28

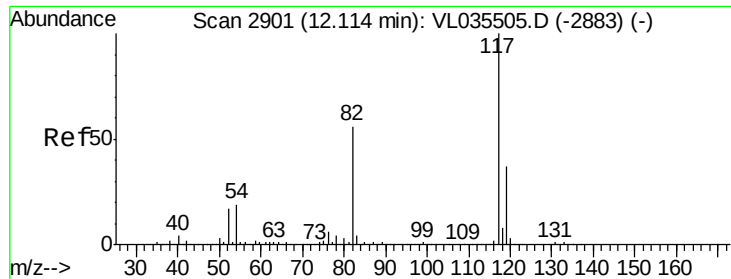
Tgt Ion: 107 Resp: 2403977

Ion Ratio Lower Upper

107 100

109 95.4 77.8 116.8

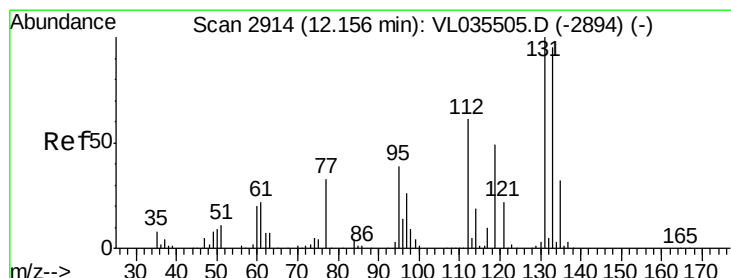
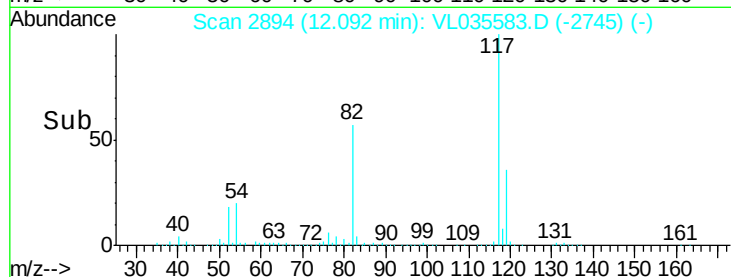
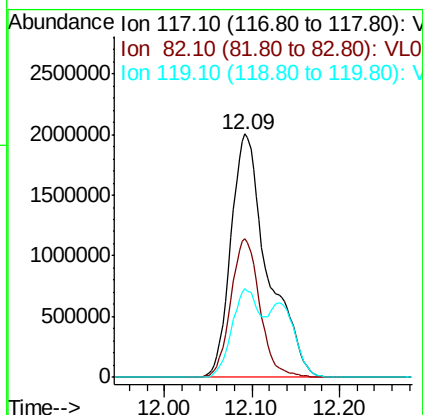
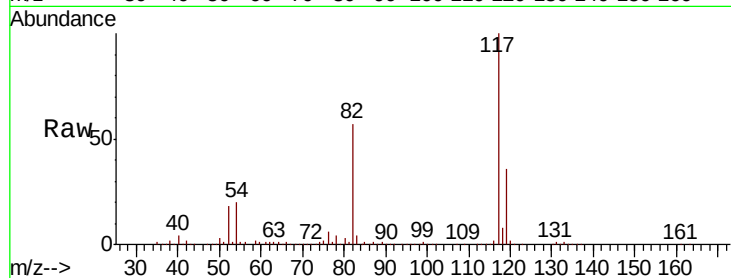




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

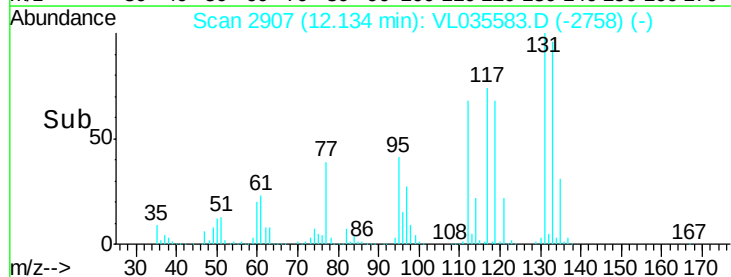
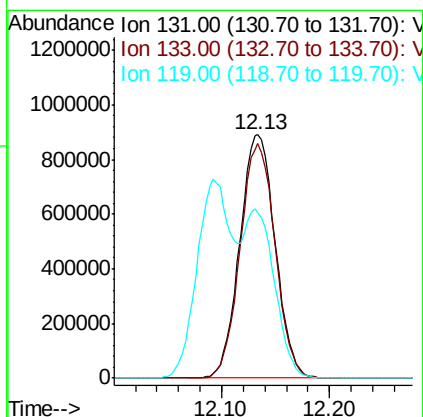
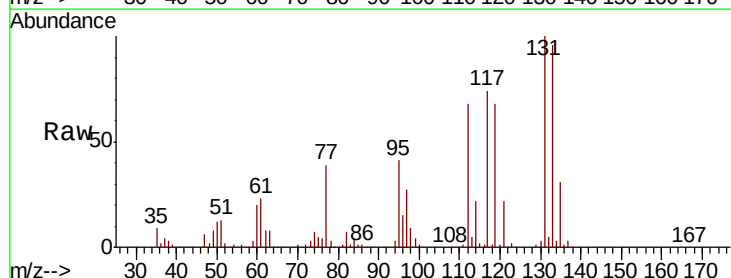
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

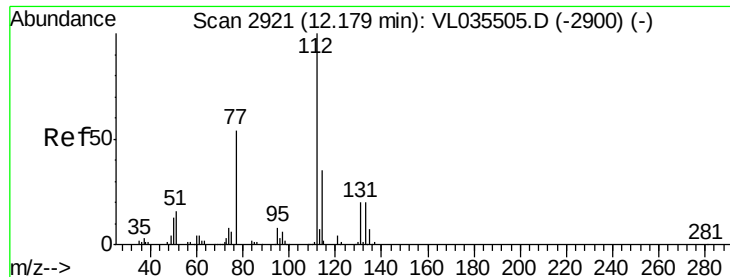
Tot Ion:117 Resp: 5871450
Ion Ratio Lower Upper
117 100
82 44.8 41.6 62.4
119 27.8 29.3 43.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.508 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Tgt Ion:131 Resp: 2032592
Ion Ratio Lower Upper
131 100
133 95.3 76.6 115.0
119 58.0 51.6 77.4

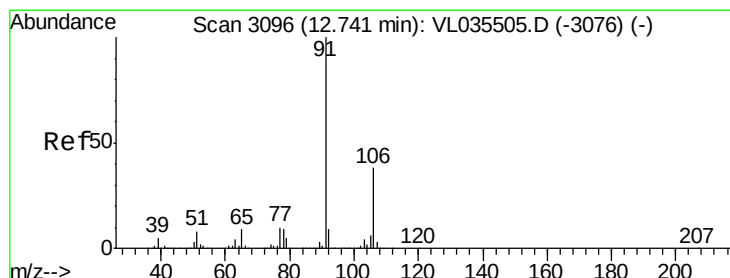
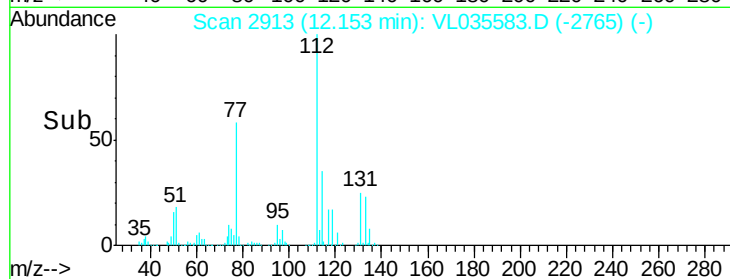
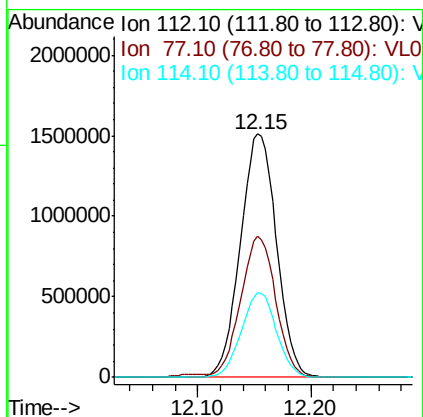
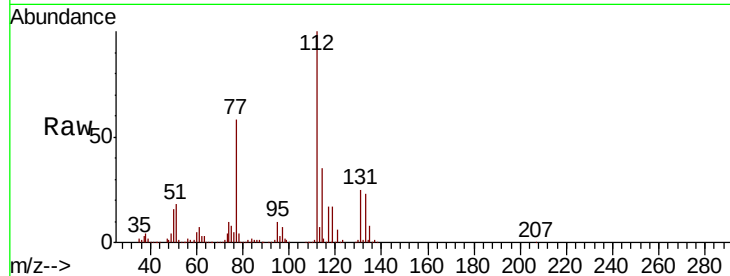




#57
Chlorobenzene
Concen: 7.762 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.03 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

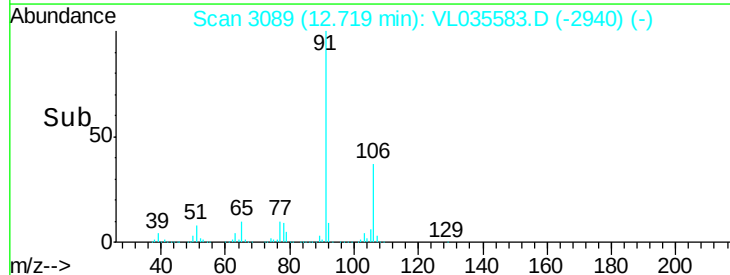
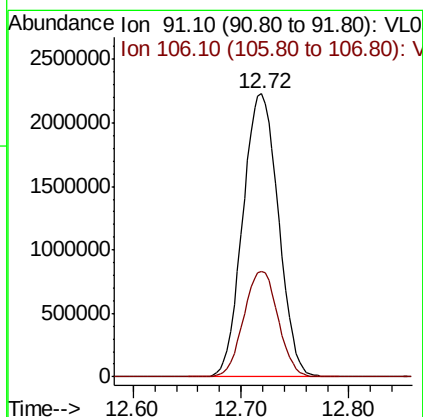
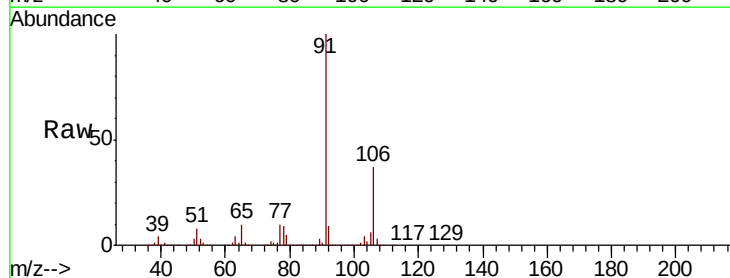
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

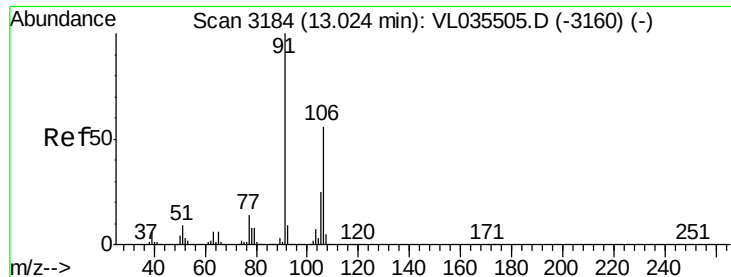
Tot Ion:112 Resp: 3354000
Ion Ratio Lower Upper
112 100
77 58.0 44.2 66.4
114 34.7 31.6 38.6



#58
Ethyl Benzene
Concen: 8.438 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Tgt Ion: 91 Resp: 5108666
Ion Ratio Lower Upper
91 100
106 37.1 30.3 45.5

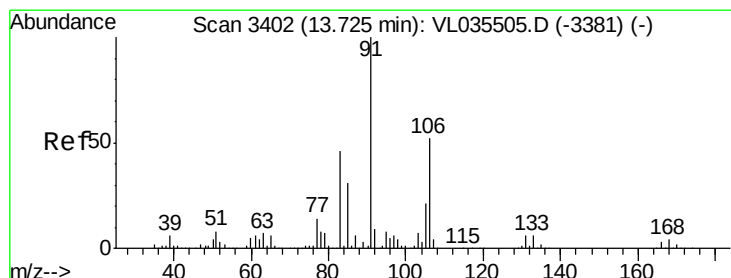
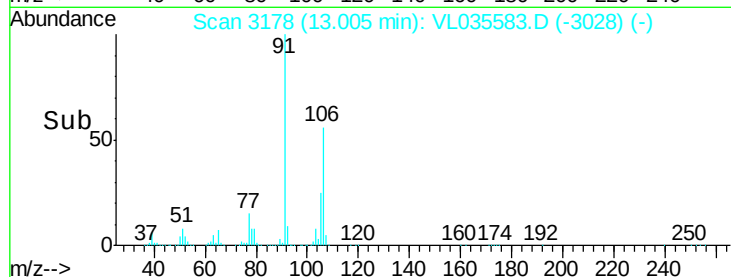
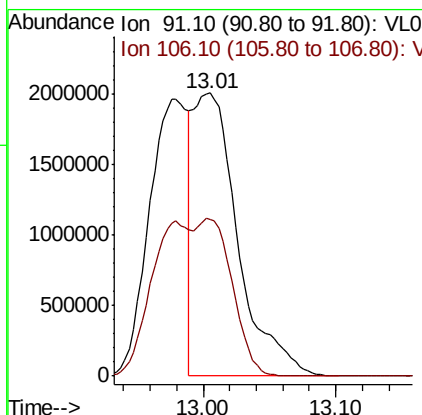
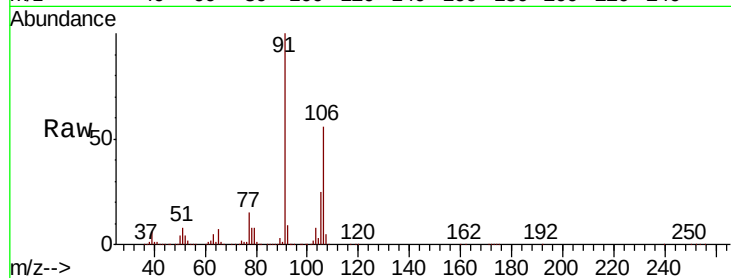




#59
m/p-Xylene
Concen: 9.199 ppbv
RT: 13.01 min Scan# 3178
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

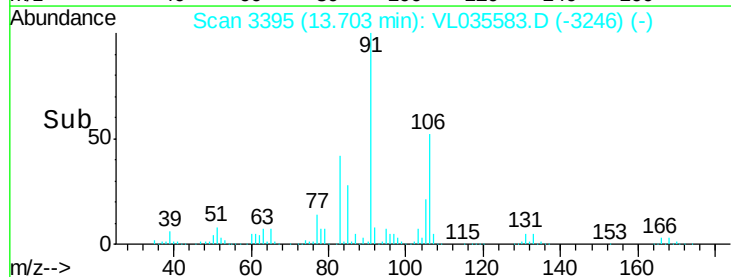
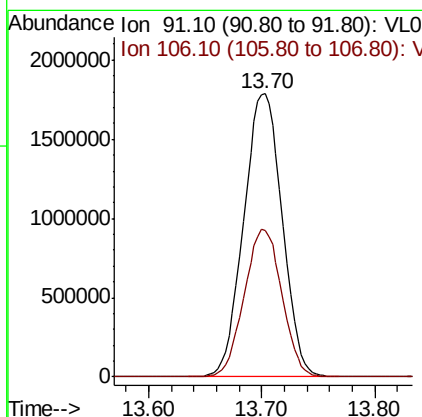
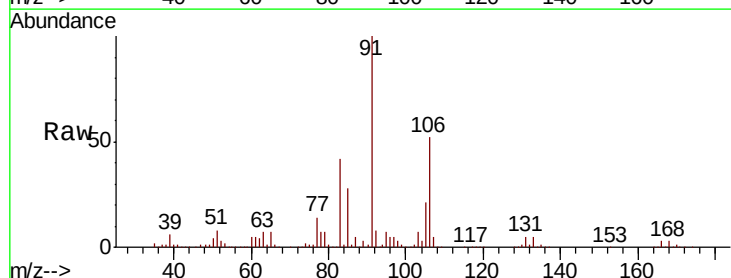
Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

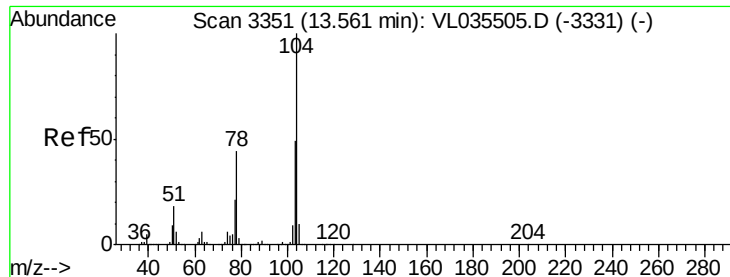
Tot Ion: 91 Resp: 4653876
Ion Ratio Lower Upper
91 100
106 95.2 43.4 65.2#



#60
o-Xylene
Concen: 8.287 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.02 min
Lab File: VL035583.D
Acq: 10 Sep 2020 14:28

Tgt Ion: 91 Resp: 4222769
Ion Ratio Lower Upper
91 100
106 51.1 25.8 77.4





#61

Stvrene

Concen: 8.878 ppbv

RT: 13.54 min Scan# 3343

Delta R.T. -0.03 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

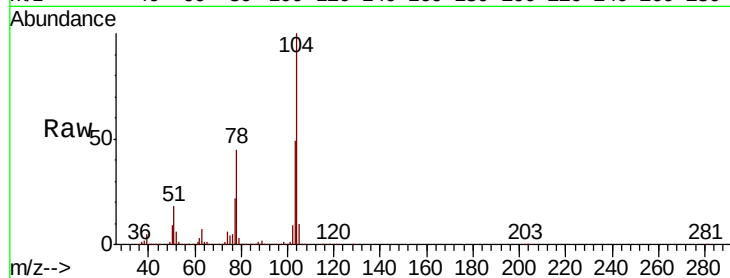
Tot Ion:104 Resp: 3459649

Ion Ratio Lower Upper

104 100

78 44.7 34.8 52.2

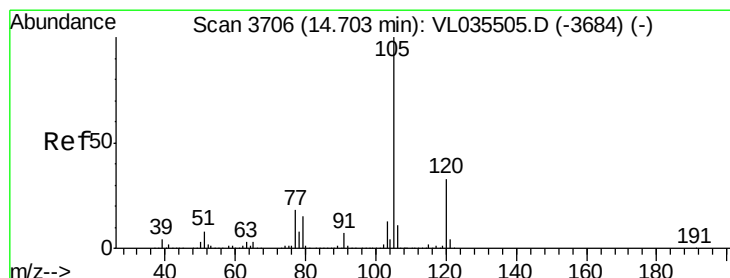
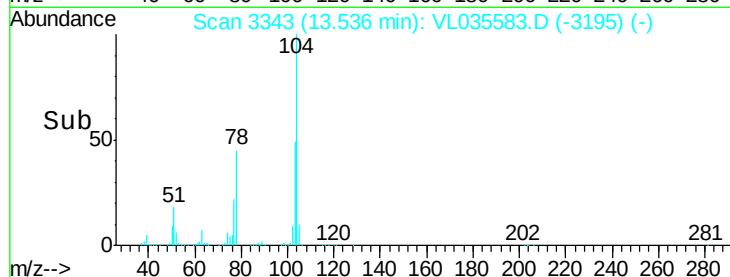
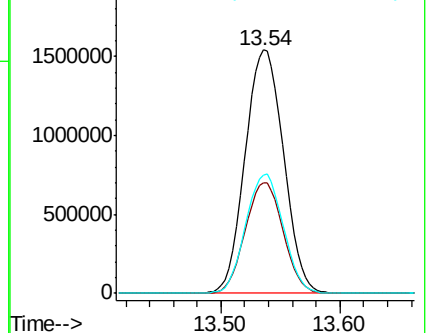
103 48.0 38.2 57.4



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: 7.867 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. -0.02 min

Lab File: VL035583.D

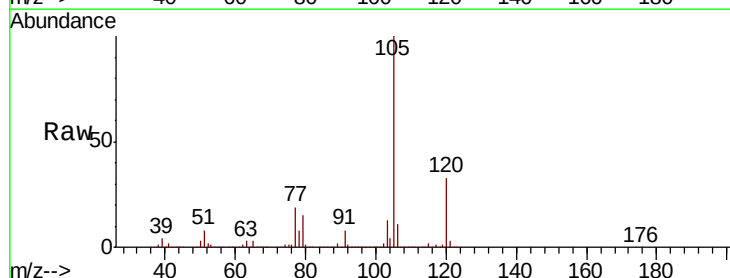
Acq: 10 Sep 2020 14:28

Tgt Ion:105 Resp: 6438931

Ion Ratio Lower Upper

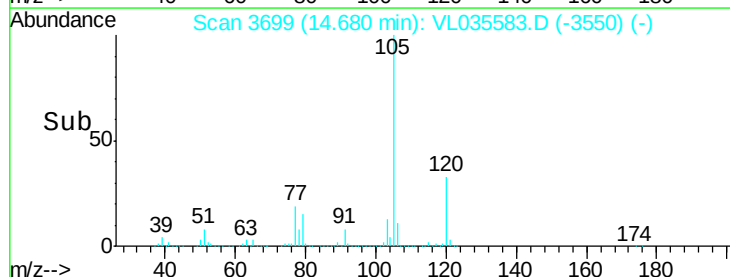
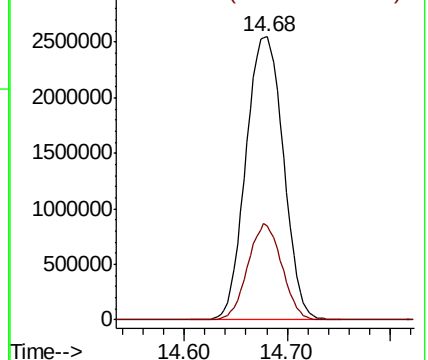
105 100

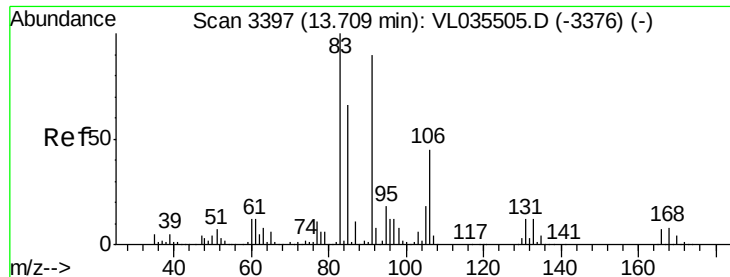
120 30.9 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

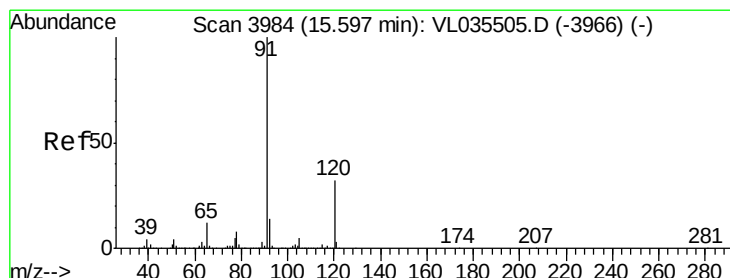
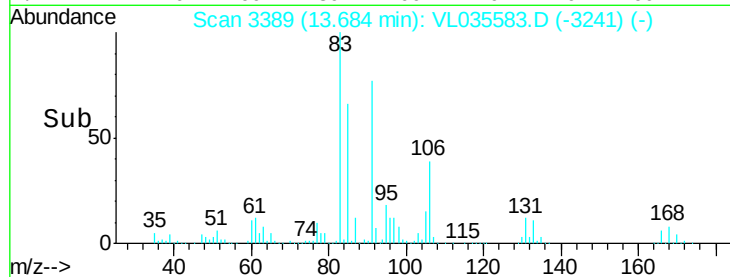
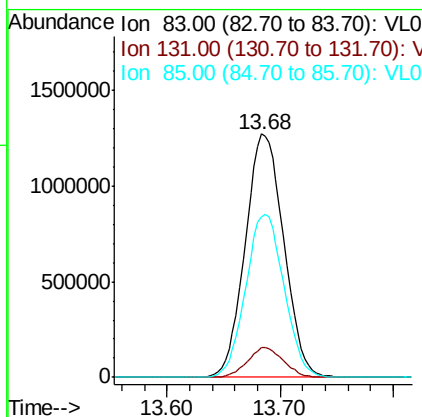
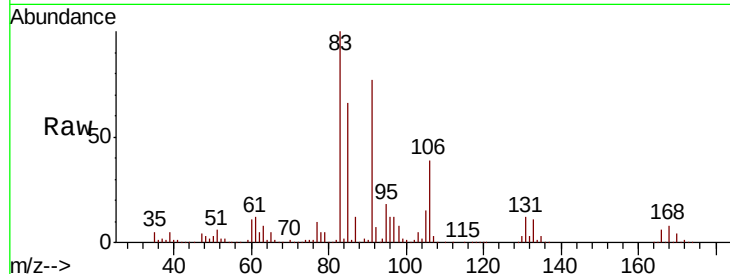




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.627 ppbv
 RT: 13.68 min Scan# 3389
 Delta R.T. -0.03 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

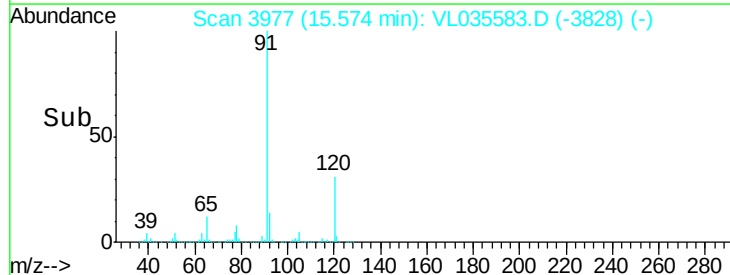
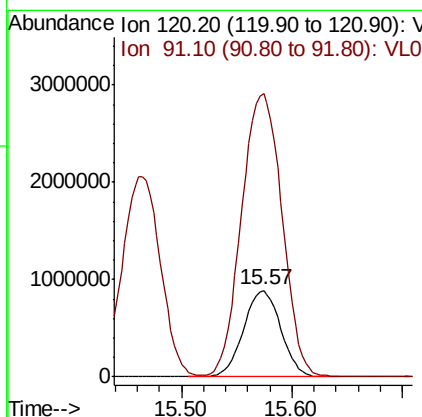
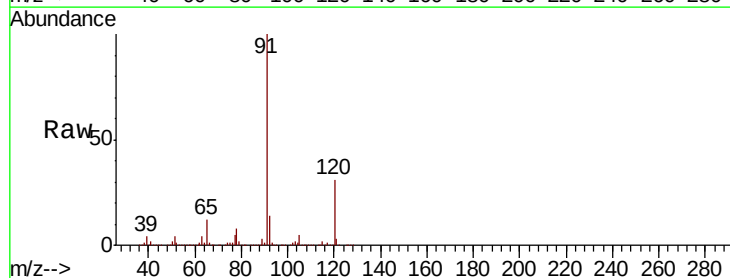
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

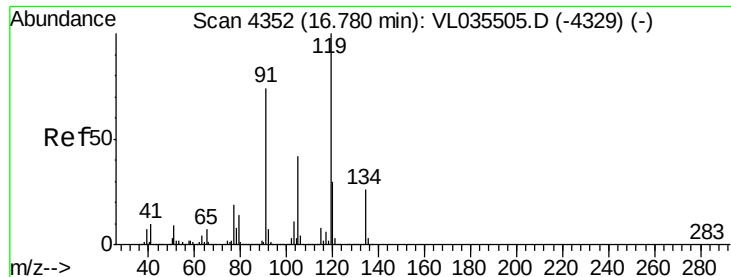
Tot Ion: 83 Resp: 3013093
 Ion Ratio Lower Upper
 83 100
 131 11.4 6.0 18.0
 85 66.9 33.4 100.2



#64
 n-propylbenzene
 Concen: 8.304 ppbv
 RT: 15.57 min Scan# 3977
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Tgt Ion:120 Resp: 2074248
 Ion Ratio Lower Upper
 120 100
 91 358.4 279.4 419.0





#65

tert-Butylbenzene

Concen: 8.001 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

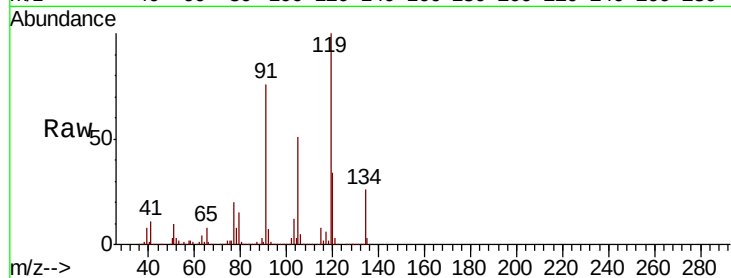
Tot Ion:119 Resp: 6088128

Ion Ratio Lower Upper

119 100

91 75.2 58.6 87.8

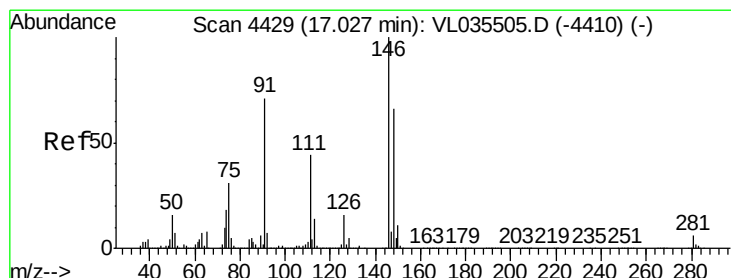
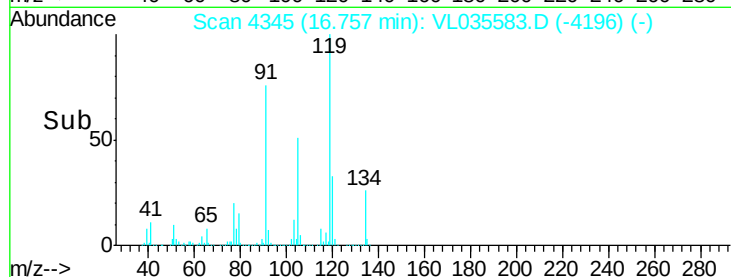
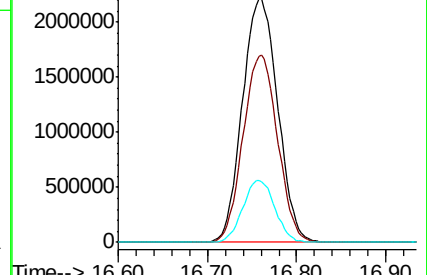
134 23.1 18.9 28.3



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.767 ppbv

RT: 17.00 min Scan# 4421

Delta R.T. -0.03 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

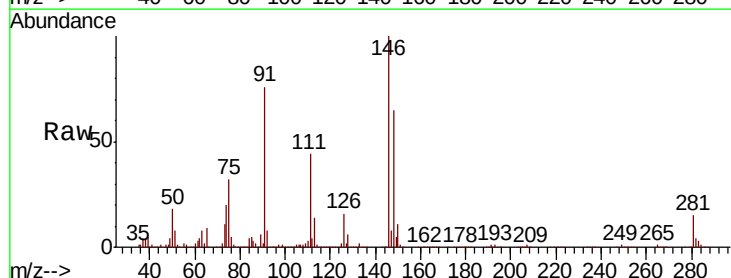
Tgt Ion: 91 Resp: 2225114

Ion Ratio Lower Upper

91 100

126 20.4 17.2 25.8

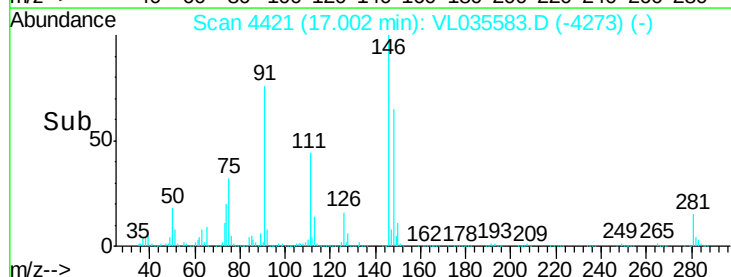
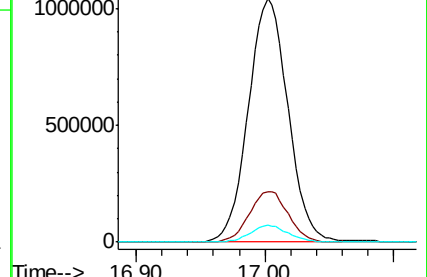
128 6.7 5.5 8.3

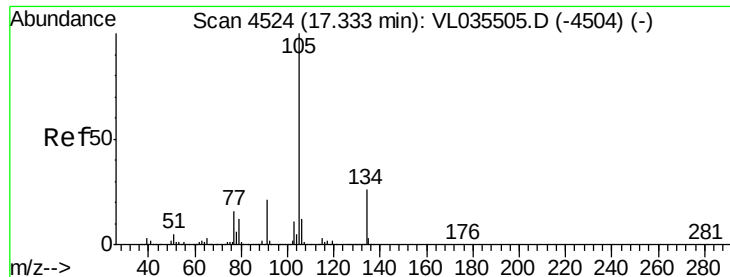


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.882 ppbv

RT: 17.31 min Scan# 4517

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

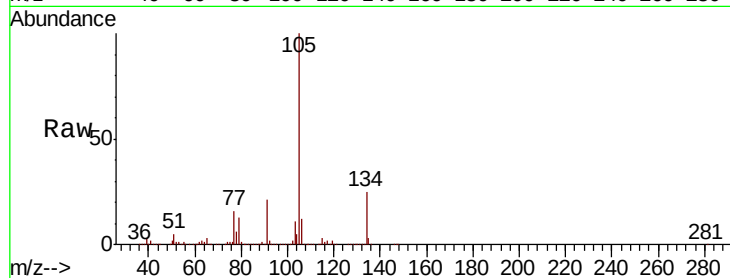
VL0910ABS01

Tot Ion:105 Resp: 7990201

Ion Ratio Lower Upper

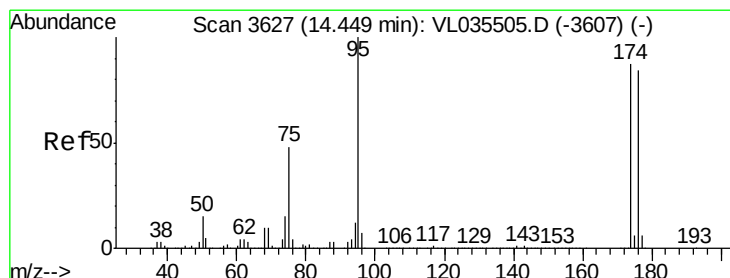
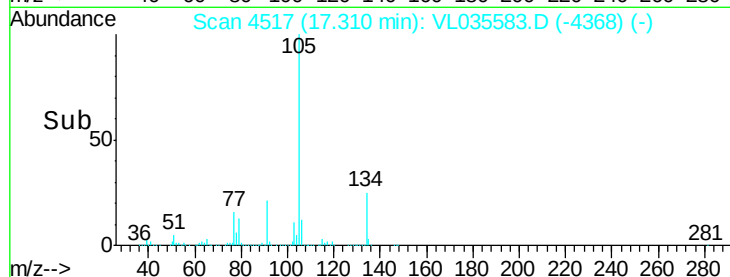
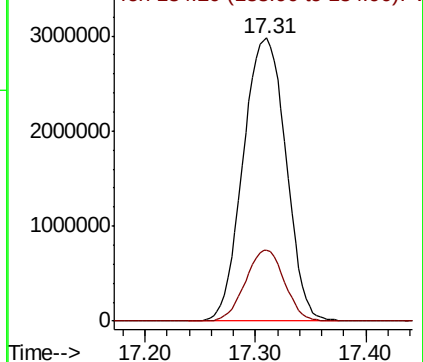
105 100

134 23.0 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: 8.308 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

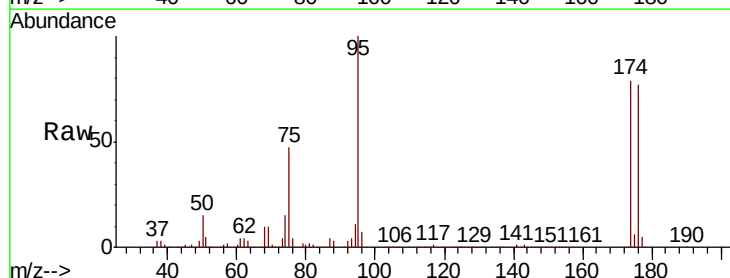
Tgt Ion: 95 Resp: 3464309

Ion Ratio Lower Upper

95 100

174 80.5 69.6 104.4

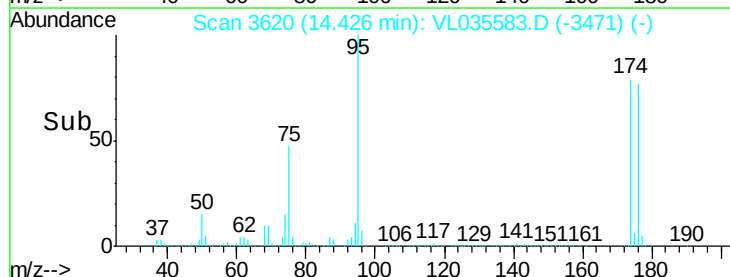
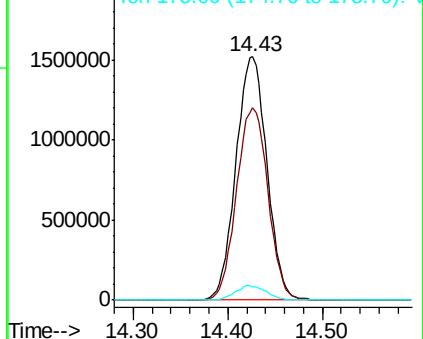
175 5.8 5.1 7.7

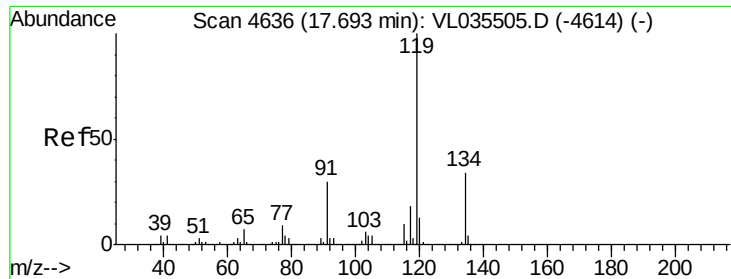


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

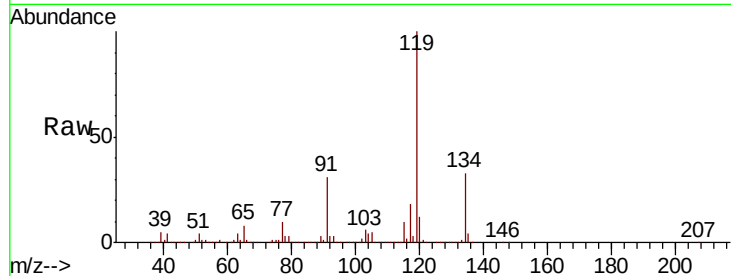




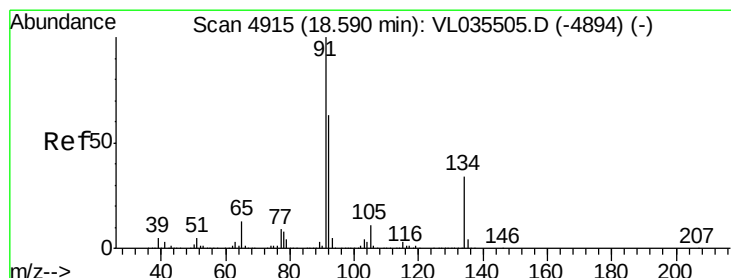
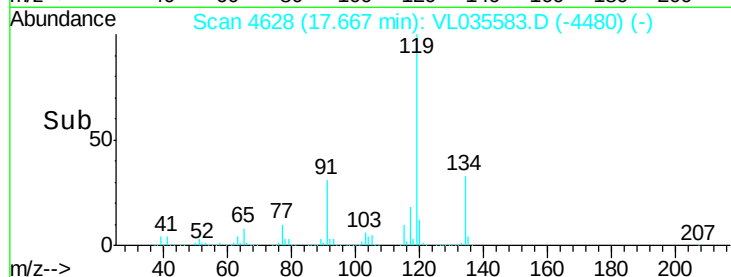
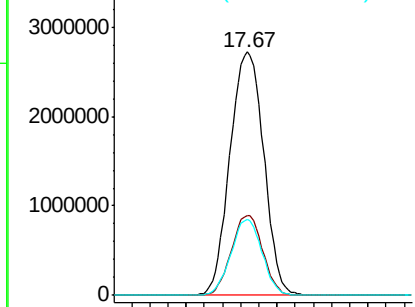
#69
 p-Isopropyltoluene
 Concen: 7.905 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. -0.03 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion:119 Resp: 7029624
 Ion Ratio Lower Upper
 119 100
 134 30.6 25.0 37.4
 91 28.8 22.3 33.5

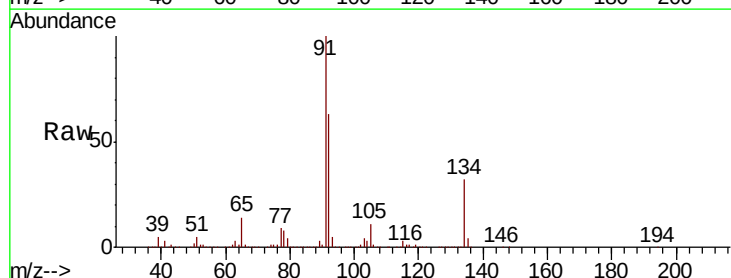


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

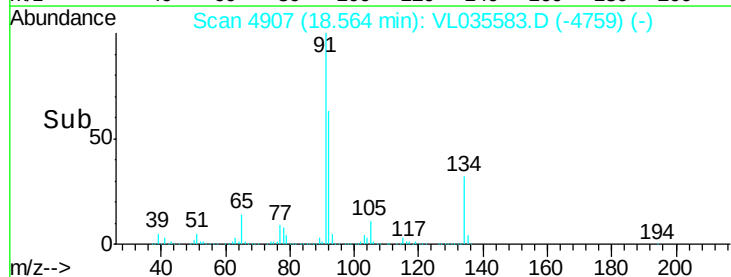
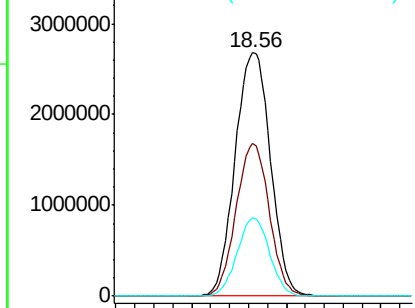


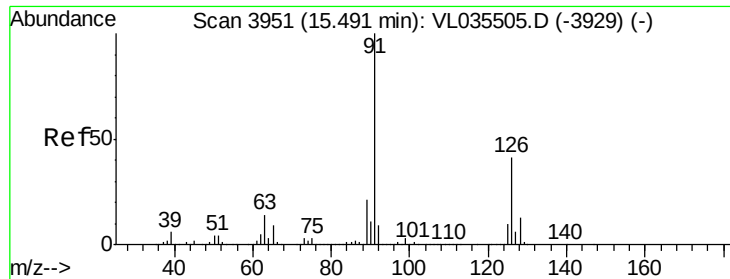
#70
 n-Butylbenzene
 Concen: 8.129 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T. -0.03 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Tgt Ion: 91 Resp: 6962777
 Ion Ratio Lower Upper
 91 100
 92 59.0 47.3 70.9
 134 29.5 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: 8.337 ppbv

RT: 15.46 min Scan# 3943

Delta R.T. -0.03 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

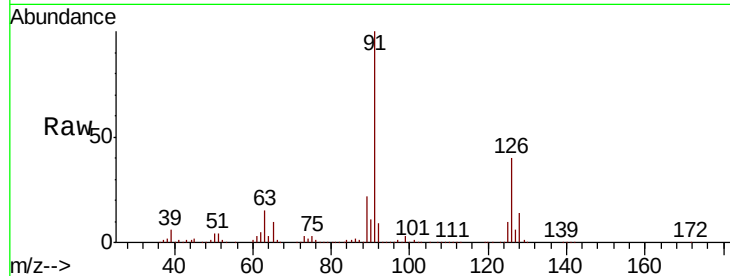
VL0910ABS01

Tot Ion: 91 Resp: 4969663

Ion Ratio Lower Upper

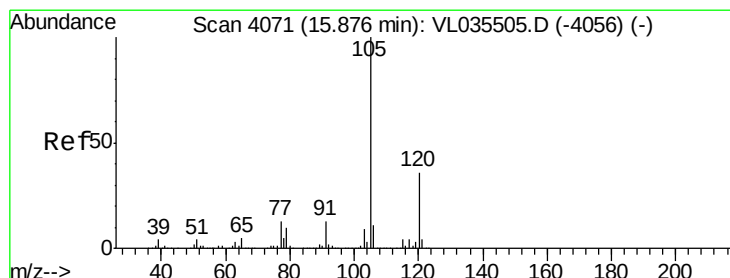
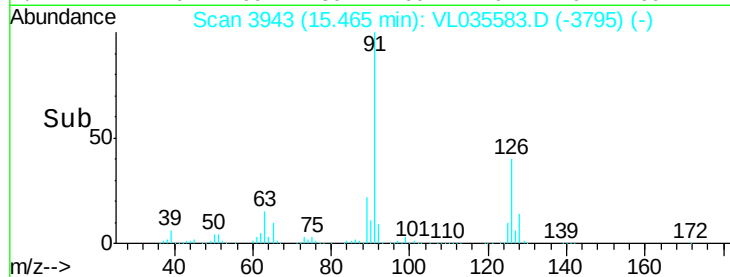
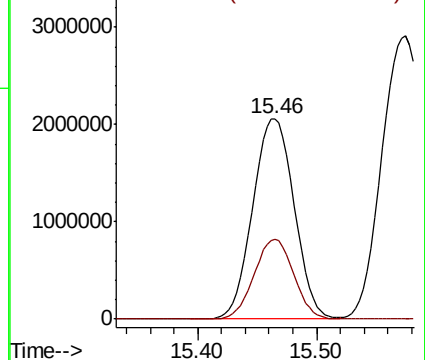
91 100

126 38.2 15.6 62.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.354 ppbv

RT: 15.85 min Scan# 4063

Delta R.T. -0.03 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Tgt Ion:105 Resp: 5411729

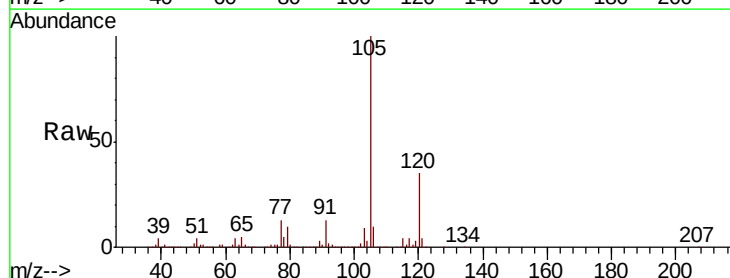
Ion Ratio Lower Upper

105 100

120 34.0 27.4 41.2

91 12.3 9.7 14.5

77 12.3 9.6 14.4

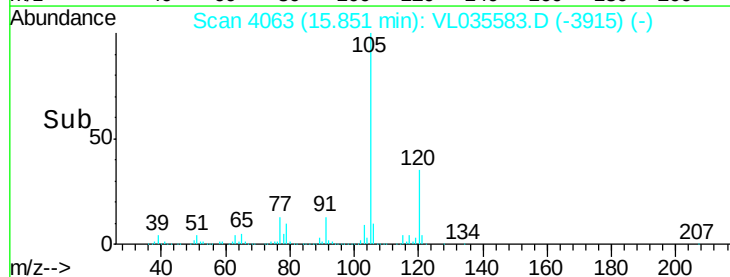
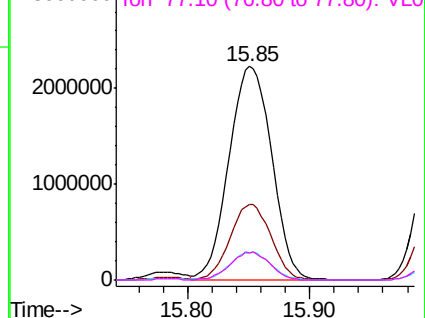


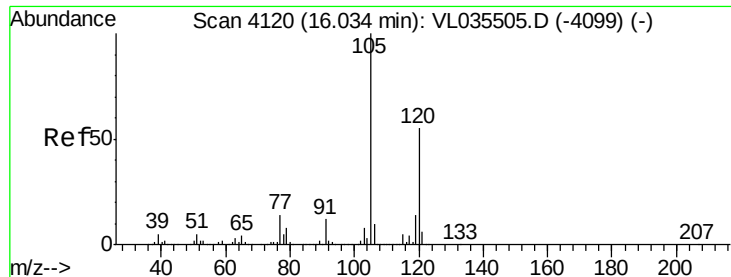
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 8.339 ppbv

RT: 16.01 min Scan# 4112

Delta R.T. -0.03 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

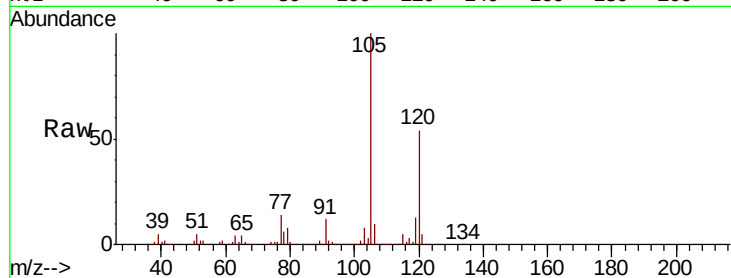
VL0910ABS01

Tot Ion:105 Resp: 4996653

Ion Ratio Lower Upper

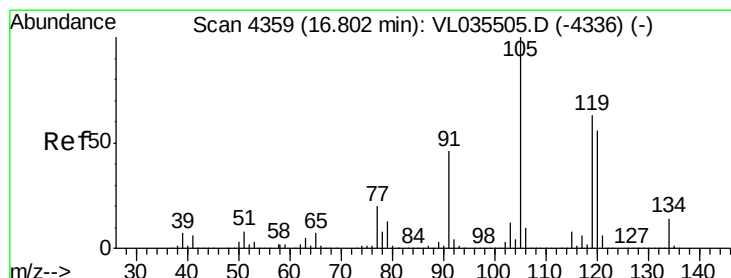
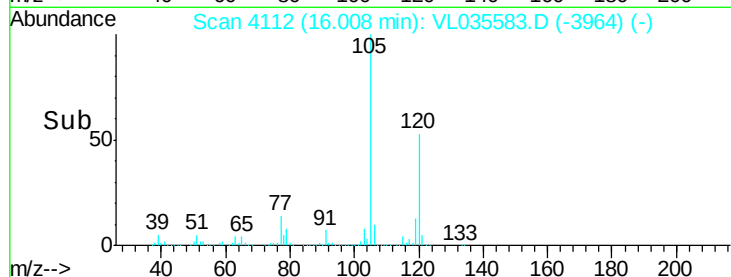
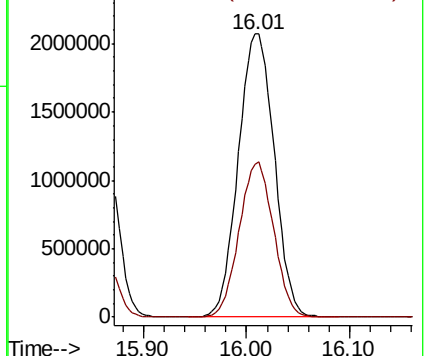
105 100

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



#74

1,2,4-Trimethylbenzene

Concen: 7.971 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. -0.03 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Tgt Ion:105 Resp: 5244562

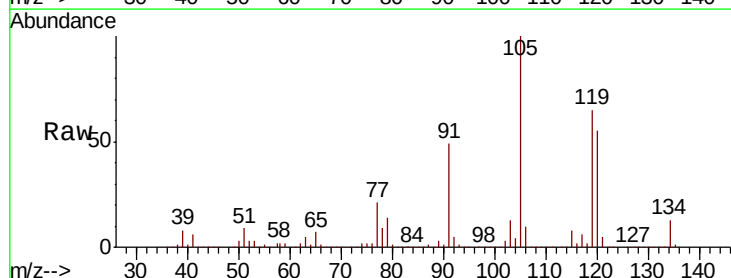
Ion Ratio Lower Upper

105 100

120 55.1 44.4 66.6

91 48.4 37.1 55.7

77 20.9 16.0 24.0

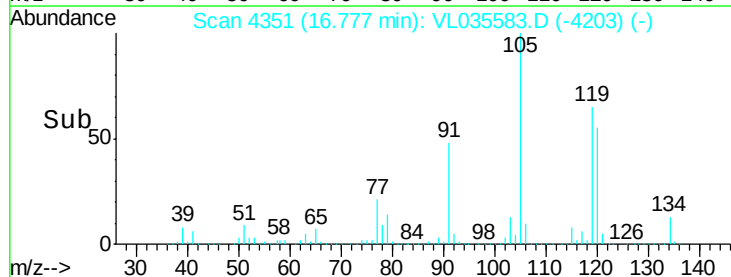
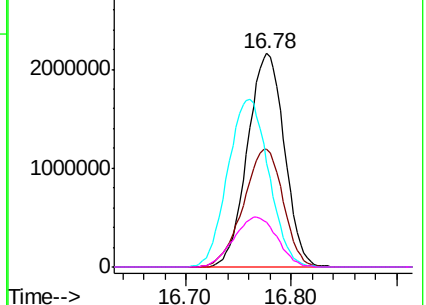


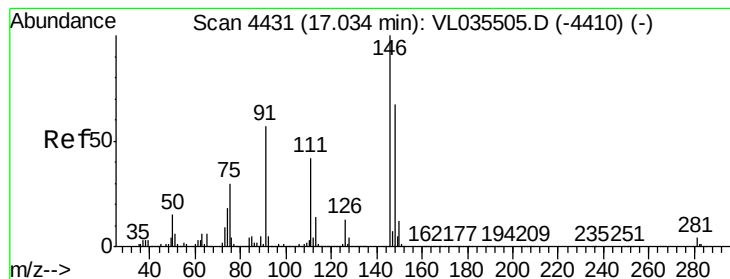
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 7.605 ppbv

RT: 17.01 min Scan# 4424

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

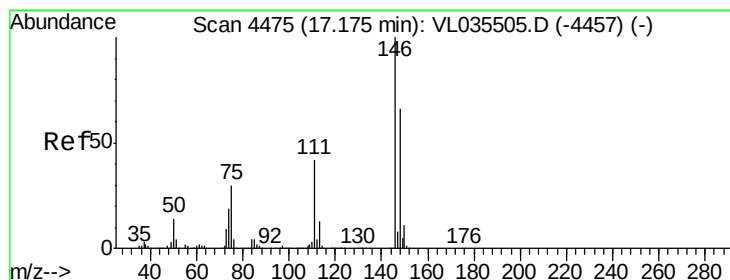
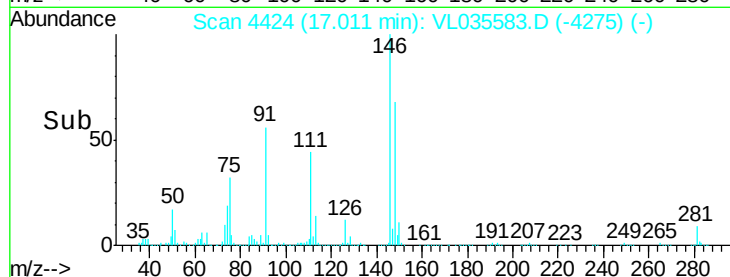
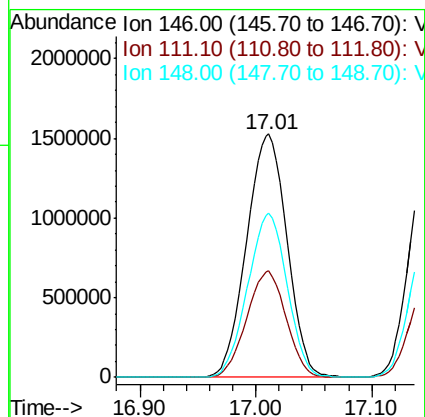
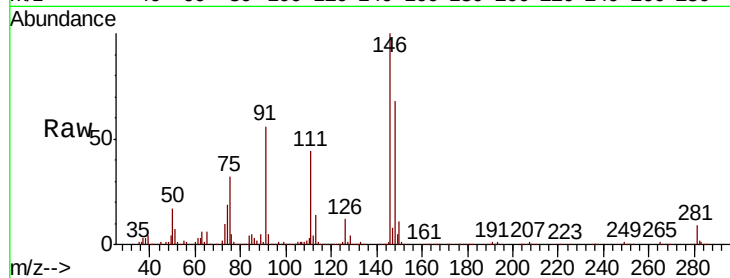
Tot Ion:146 Resp: 3706413

Ion Ratio Lower Upper

146 100

111 42.7 20.7 62.1

148 66.0 33.0 98.9



#76

1,4-Dichlorobenzene

Concen: 7.862 ppbv

RT: 17.15 min Scan# 4468

Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

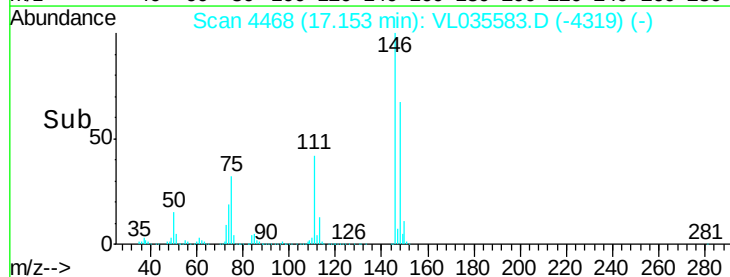
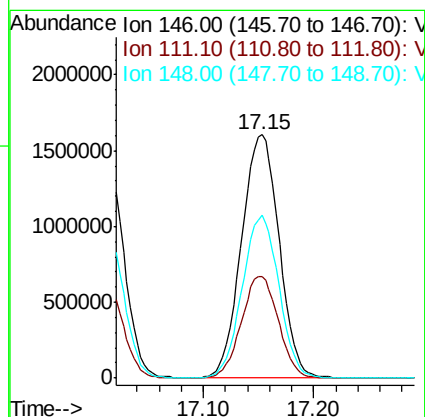
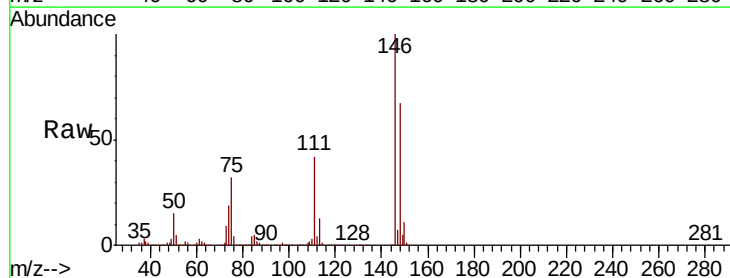
Tgt Ion:146 Resp: 3779249

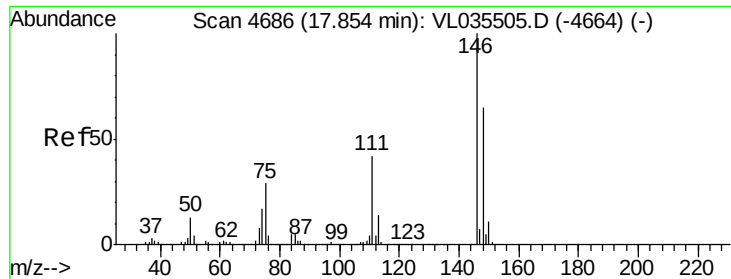
Ion Ratio Lower Upper

146 100

111 41.4 20.0 60.0

148 65.9 33.2 99.6

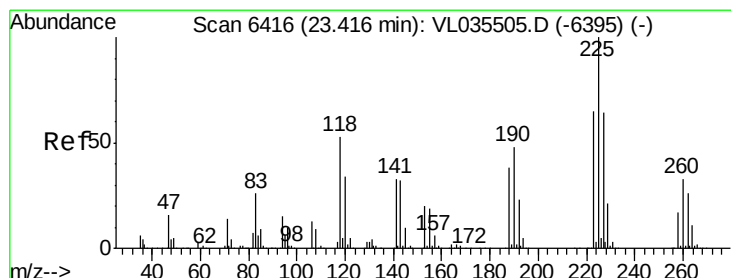
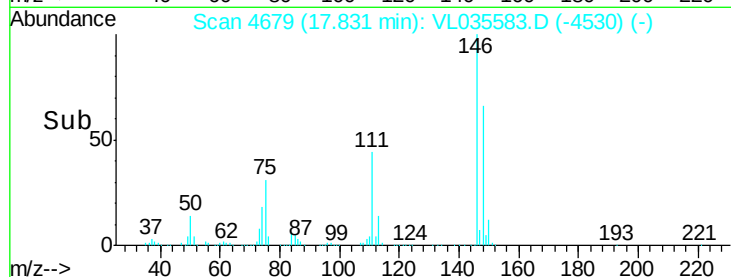
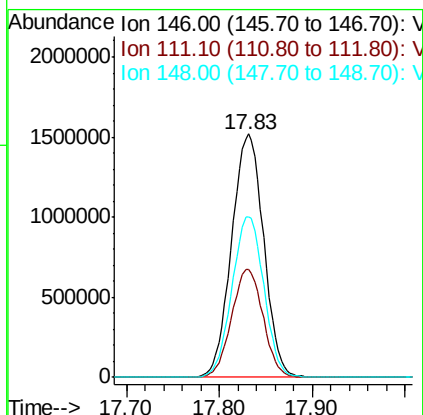
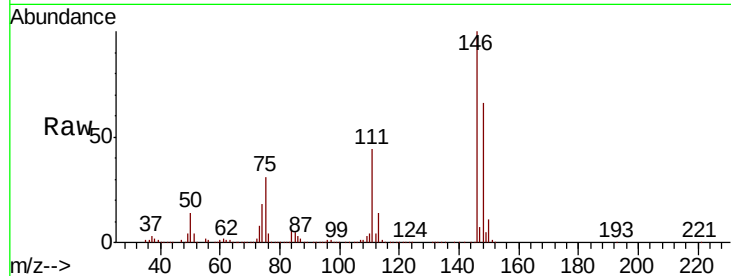




#77
 1,2-Dichlorobenzene
 Concen: 7.719 ppbv
 RT: 17.83 min Scan# 4679
 Delta R.T. -0.02 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

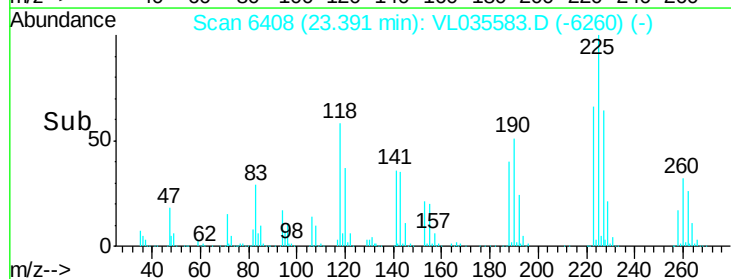
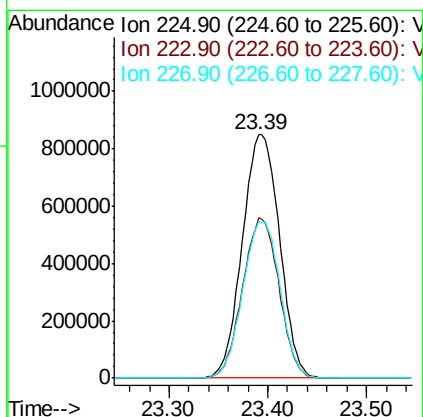
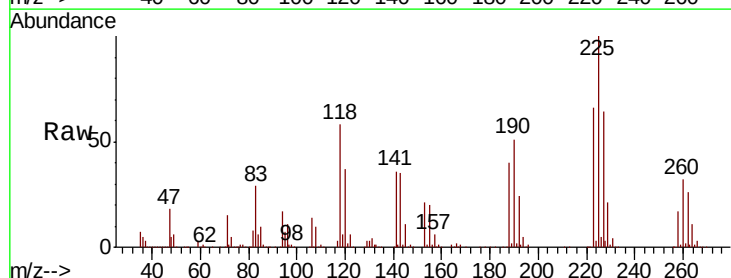
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

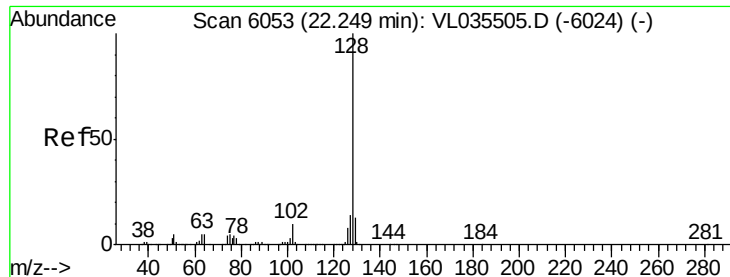
Tot Ion:146 Resp: 3644905
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.1 63.3
 148 65.7 32.9 98.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.348 ppbv
 RT: 23.39 min Scan# 6408
 Delta R.T. -0.03 min
 Lab File: VL035583.D
 Acq: 10 Sep 2020 14:28

Tgt Ion:225 Resp: 2215145
 Ion Ratio Lower Upper
 225 100
 223 64.4 51.7 77.5
 227 64.5 51.5 77.3





#79

Naphthalene

Concen: 8.628 ppbv

RT: 22.22 min Scan# 6043

Delta R.T. -0.03 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

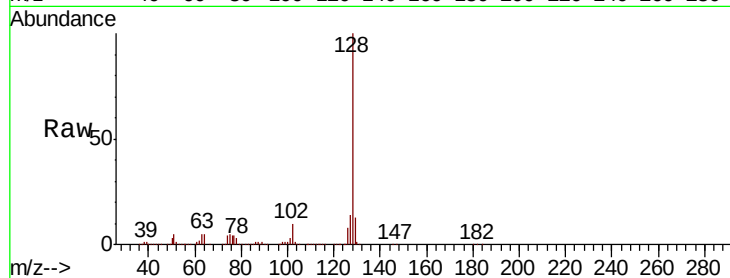
MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion:128 Resp: 6299425

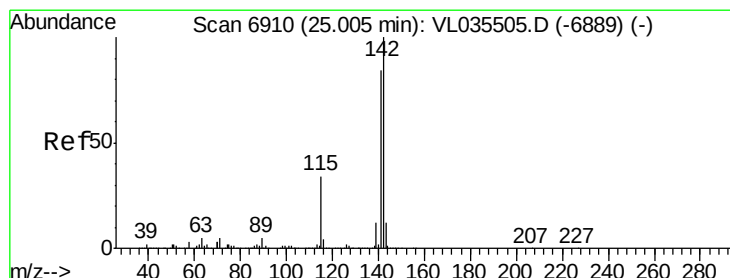
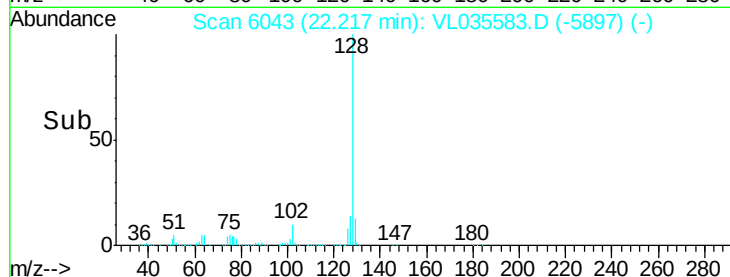
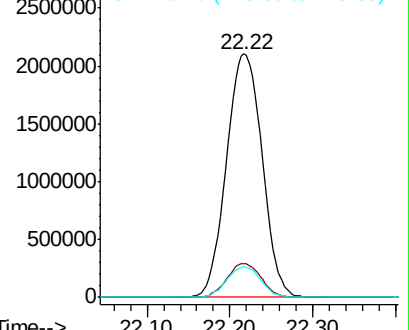
Ion	Ratio	Lower	Upper
128	100		
127	14.0	11.4	17.2
129	13.0	10.5	15.7



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: 10.021 ppbv

RT: 24.99 min Scan# 6904

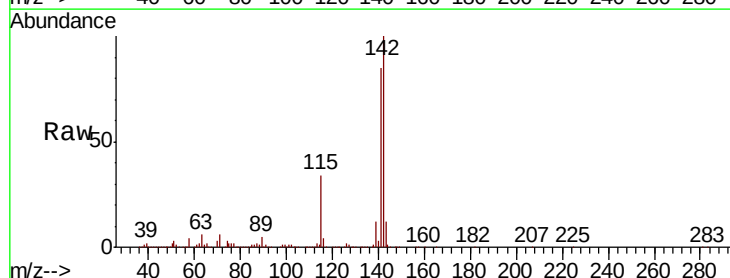
Delta R.T. -0.02 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Tgt Ion:142 Resp: 2497057

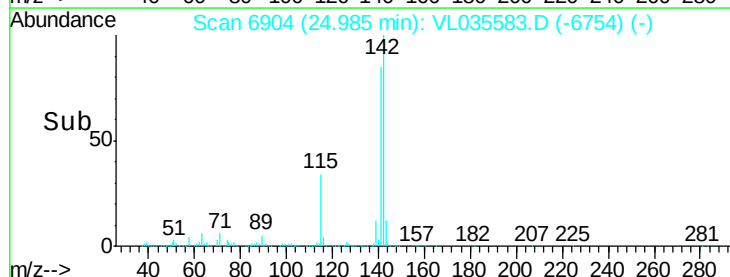
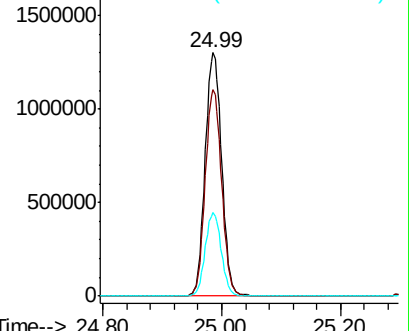
Ion	Ratio	Lower	Upper
142	100		
141	84.5	67.6	101.4
115	33.6	25.8	38.8

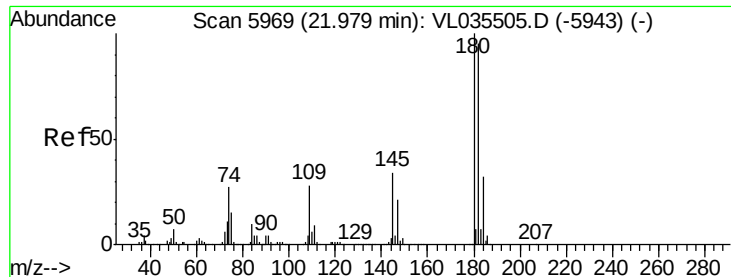


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 7.900 ppbv

RT: 21.95 min Scan# 5959

Delta R.T. -0.03 min

Lab File: VL035583.D

Acq: 10 Sep 2020 14:28

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

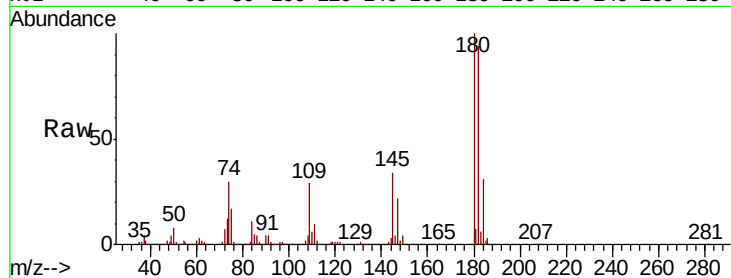
Tot Ion:180 Resp: 3453862

Ion Ratio Lower Upper

180 100

182 95.7 76.3 114.5

184 31.3 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

