

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020620\
 Data File : VL034601.D
 Acq On : 6 Feb 2020 14:41
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Feb 07 07:48:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1072439	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.21	114	2193797	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.15	117	2387792m	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1989782	9.86	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1989773	8.424	ppbv 98
3) Chlorodifluoromethane	2.97	51	1193673	9.211	ppbv 99
4) Chloromethane	3.12	50	720848	9.092	ppbv 99
5) Vinyl Chloride	3.24	62	687990	9.084	ppbv 98
6) Bromomethane	3.46	94	379618	9.637	ppbv 97
7) Chloroethane	3.55	64	274941	9.762	ppbv 100
8) Dichlorotetrafluoroethane	3.17	85	1718163	9.306	ppbv 99
9) Propene	2.99	41	458520	9.088	ppbv 97
10) Heptane	8.17	43	1269190	9.996	ppbv 99
11) Trichlorofluoromethane	3.94	101	2057350	9.588	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1354190	9.673	ppbv 100
13) Ethanol	3.59	45	106573	7.886	ppbv 97
14) Bromoethene	3.73	108	546816	9.957	ppbv 100
15) Acetone	3.84	43	1405457	8.917	ppbv 99
16) 1,3-Butadiene	3.31	39	623453	9.961	ppbv 98
17) tert-Butyl alcohol	4.29	59	1223388	10.554	ppbv 99
18) 1,1-Dichloroethene	4.29	96	597092	10.103	ppbv 93
19) Isopropyl Alcohol	3.96	45	899311	9.777	ppbv # 99
20) Methylene Chloride	4.35	84	532221	8.868	ppbv 95
21) Allyl Chloride	4.41	41	1000059	10.216	ppbv 98
22) trans-1,2-Dichloroethene	4.89	96	631383	10.201	ppbv 93
23) Vinyl Acetate	5.09	43	1743789	9.697	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1407177	9.373	ppbv 98
25) Ethyl Acetate	5.70	43	2349322	9.207	ppbv 99
26) Hexane	5.71	57	1016147	9.507	ppbv 98
27) Carbon Disulfide	4.55	76	1560678	10.822	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	1782414	9.779	ppbv 100
29) Chloroform	5.77	83	1760351	9.315	ppbv 99
30) Cyclohexane	7.16	84	814651	10.286	ppbv 97
31) cis-1,2-Dichloroethene	5.57	61	1099835	9.904	ppbv 97
32) 1,1,1-Trichloroethane	6.54	97	1867433	9.202	ppbv 100
34) 2-Butanone	5.26	43	1489633	9.352	ppbv 100
35) Carbon Tetrachloride	7.05	117	2031937	9.688	ppbv 100
36) Benzene	6.93	78	1896151	9.719	ppbv 99
37) 1,2-Dichloroethane	6.34	62	1586797	9.749	ppbv 99
38) Trichloroethene	7.88	130	845058	10.276	ppbv 97
39) 1,2-Dichloropropane	7.65	63	781253	9.660	ppbv 99
40) 1,4-Dioxane	7.87	88	295917m	9.518	ppbv
41) Tetrahydrofuran	6.07	42	795971	9.579	ppbv 98
42) Bromodichloromethane	7.83	83	1971973	9.843	ppbv 100
43) Methyl Methacrylate	8.05	69	823895	10.500	ppbv 98

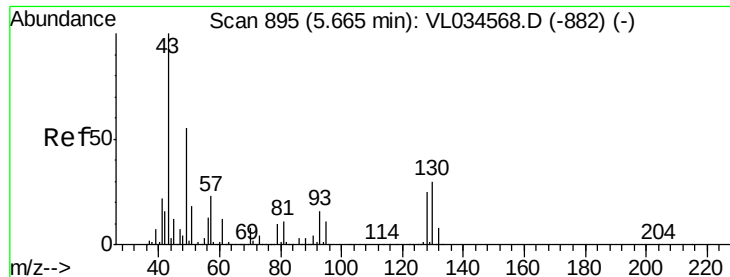
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020620\
 Data File : VL034601.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3417406	9.655	ppbv	99
45) t-1,3-Dichloropropene	9.33	75	1175114	11.437	ppbv	97
46) cis-1,3-Dichloropropene	8.75	75	1280953	10.969	ppbv	98
47) 1,1,2-Trichloroethane	9.53	97	849996	9.704	ppbv	97
48) Dibromochloromethane	10.37	129	1675376	10.437	ppbv	99
49) Bromoform	13.11	173	1519147	10.780	ppbv	100
50) 4-Methyl-2-Pentanone	8.78	43	2257749	9.939	ppbv	99
51) 2-Hexanone	10.18	43	1856894	10.384	ppbv	99
52) Tetrachloroethene	11.28	164	756042	9.647	ppbv	98
53) Toluene	9.86	91	2254006	10.517	ppbv	99
54) 1,2-Dibromoethane	10.67	107	1291757	9.841	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.19	131	1118660	9.489	ppbv	99
57) Chlorobenzene	12.21	112	1798840	9.155	ppbv	96
58) Ethyl Benzene	12.78	91	3151121m	9.862	ppbv	
59) m/p-Xylene	13.06	91	5314068m	18.814	ppbv	
60) o-Xylene	13.76	91	2729985	9.624	ppbv	100
61) Styrene	13.59	104	1958923	10.357	ppbv	99
62) Isopropylbenzene	14.74	105	3518520	9.572	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.75	83	1899168	8.657	ppbv	99
64) n-propylbenzene	15.64	120	909434	9.616	ppbv	95
65) tert-Butylbenzene	16.82	119	3180171	9.549	ppbv	100
66) Benzyl Chloride	17.07	91	1566568	11.219	ppbv	100
67) sec-Butylbenzene	17.37	105	4282161	9.356	ppbv	99
69) p-Isopropyltoluene	17.73	119	3575929	9.623	ppbv	99
70) n-Butylbenzene	18.63	91	3750597	9.508	ppbv	99
71) 2-Chlorotoluene	15.53	91	2708764	9.708	ppbv	99
72) 4-Ethyltoluene	15.91	105	3056233	9.809	ppbv	100
73) 1,3,5-Trimethylbenzene	16.07	105	2956748	9.711	ppbv	100
74) 1,2,4-Trimethylbenzene	16.84	105	3129065	9.284	ppbv	98
75) 1,3-Dichlorobenzene	17.08	146	1736386	8.947	ppbv	99
76) 1,4-Dichlorobenzene	17.22	146	1705202	8.915	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1646132	8.829	ppbv	99
78) Hexachloro-1,3-Butadiene	23.46	225	1480606	8.305	ppbv	99
79) Naphthalene	22.30	128	2610666	9.838	ppbv	98
80) Naphthalene, 2-methyl-	25.04	142	1355254	13.276	ppbv	100
81) 1,2,4-Trichlorobenzene	22.03	180	1567314	9.581	ppbv	99

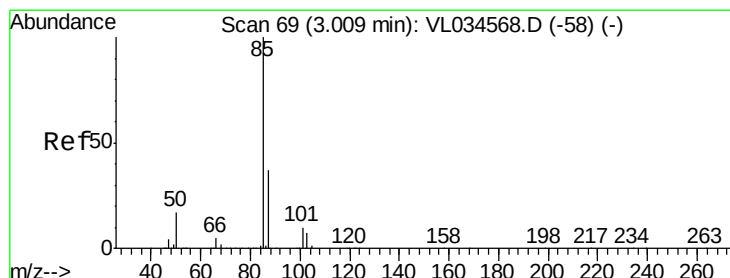
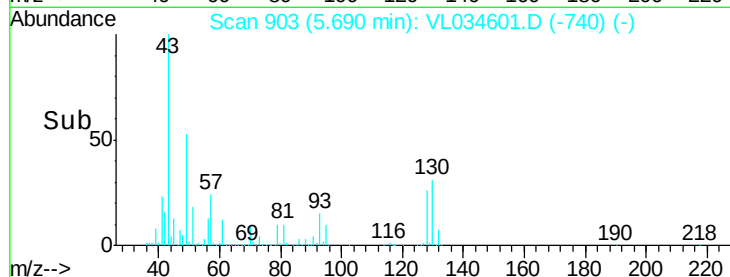
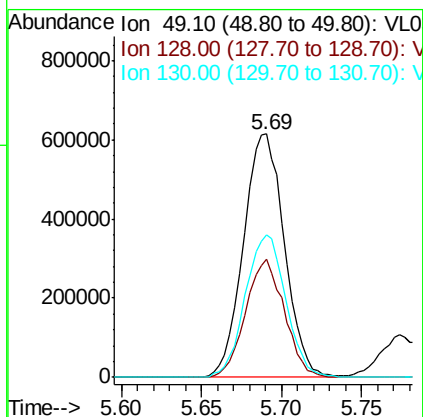
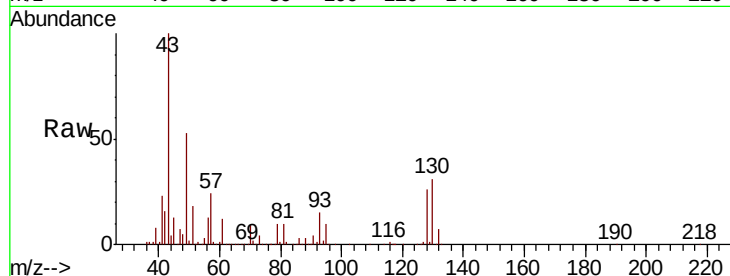
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.69 min Scan# 903
 Delta R.T. 0.03 min
 Lab File: VL034601.D
 Acq: 6 Feb 2020 14:41

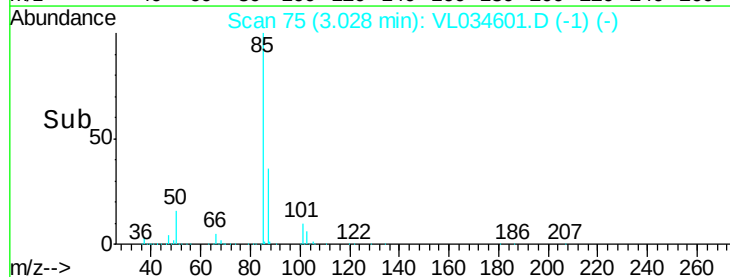
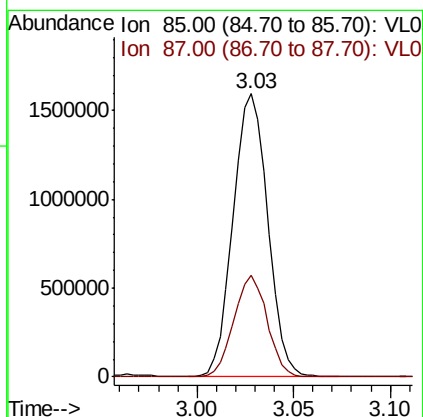
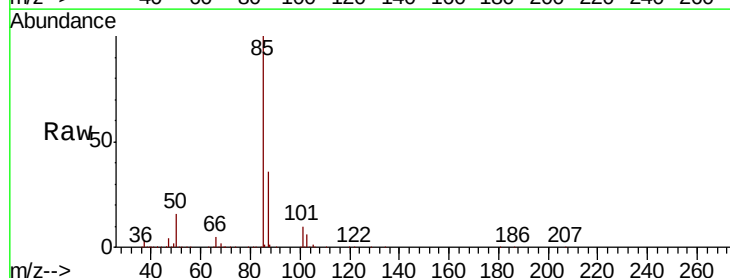
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

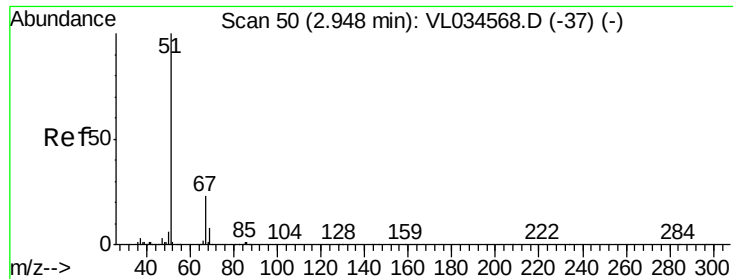
Tot Ion: 49 Resp: 1072439
 Ion Ratio Lower Upper
 49 100
 128 46.2 22.7 68.1
 130 58.3 28.6 85.8



#2
 Dichlorodifluoromethane
 Concen: 8.424 ppbv
 RT: 3.03 min Scan# 75
 Delta R.T. 0.02 min
 Lab File: VL034601.D
 Acq: 6 Feb 2020 14:41

Tgt Ion: 85 Resp: 1989773
 Ion Ratio Lower Upper
 85 100
 87 35.9 29.5 44.3





#3

Chlorodifluoromethane

Concen: 9.211 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.02 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

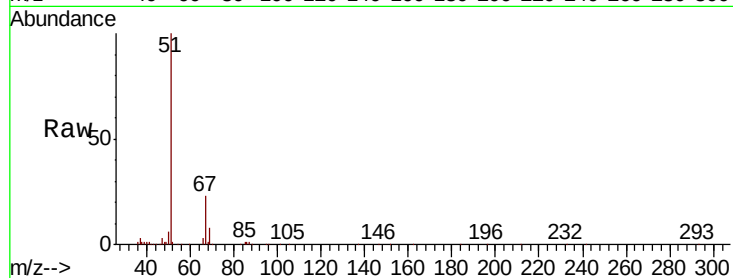
VSTDCCC010

Tot Ion: 51 Resp: 1193673

Ion Ratio Lower Upper

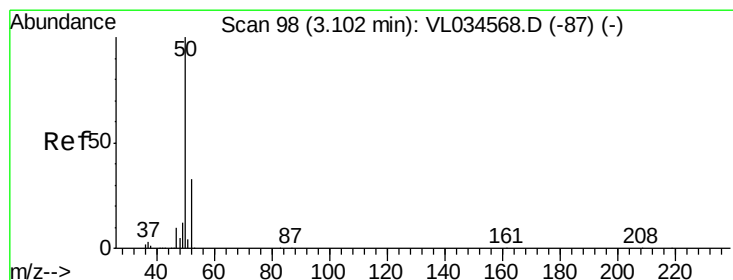
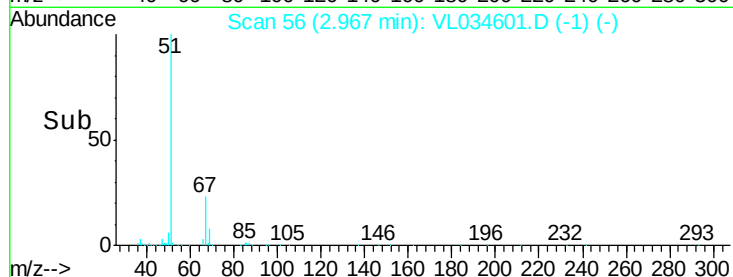
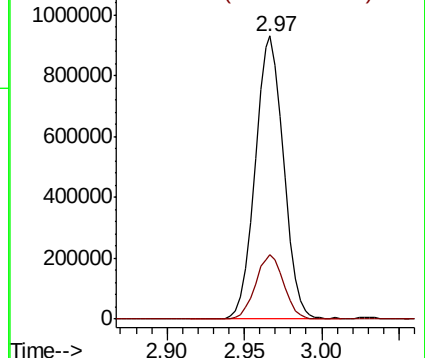
51 100

67 22.7 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: 9.092 ppbv

RT: 3.12 min Scan# 104

Delta R.T. 0.02 min

Lab File: VL034601.D

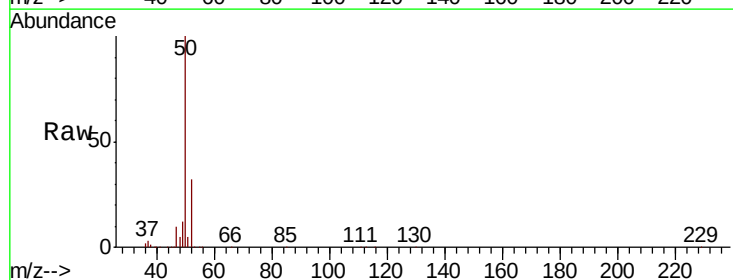
Acq: 6 Feb 2020 14:41

Tgt Ion: 50 Resp: 720848

Ion Ratio Lower Upper

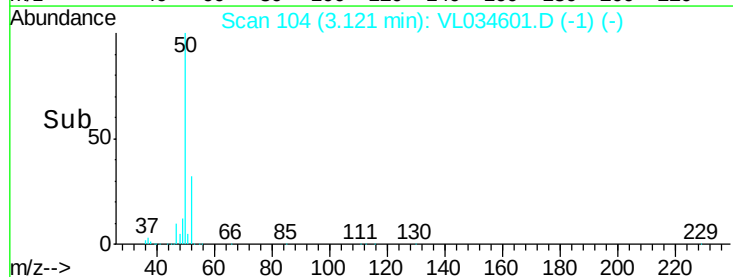
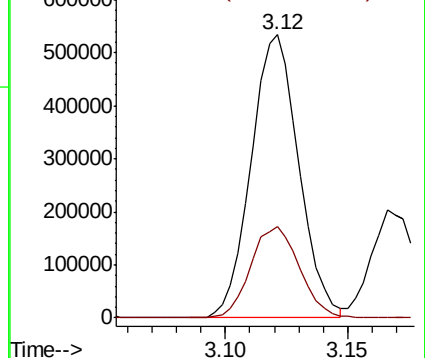
50 100

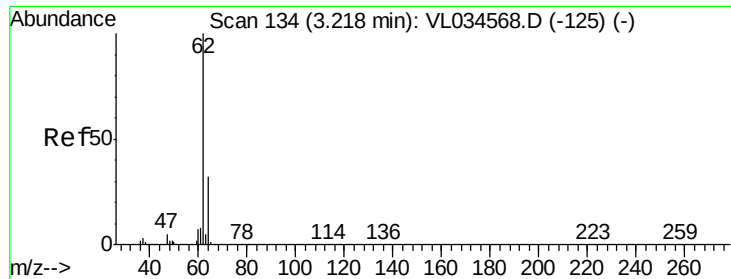
52 32.4 26.6 39.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.084 ppbv

RT: 3.24 min Scan# 141

Delta R.T. 0.02 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

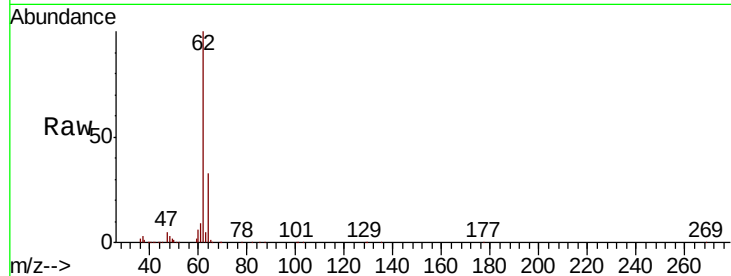
VSTDCCC010

Tot Ion: 62 Resp: 687990

Ion Ratio Lower Upper

62 100

64 33.0 25.8 38.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

500000

400000

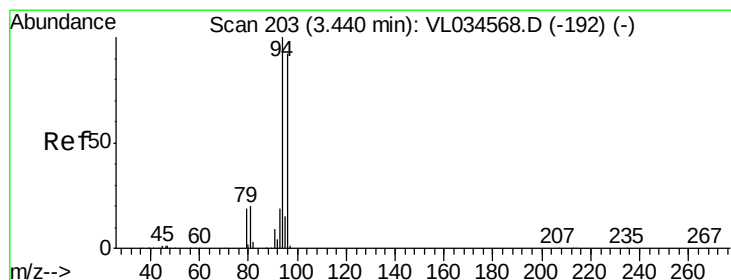
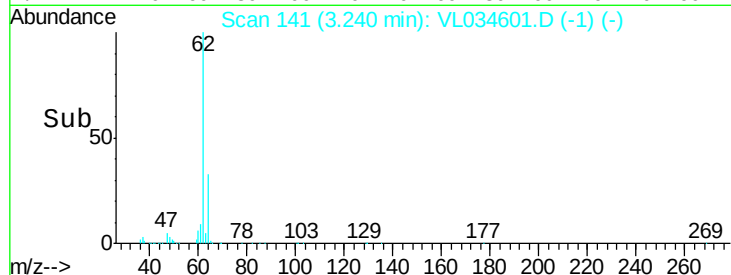
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.637 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.02 min

Lab File: VL034601.D

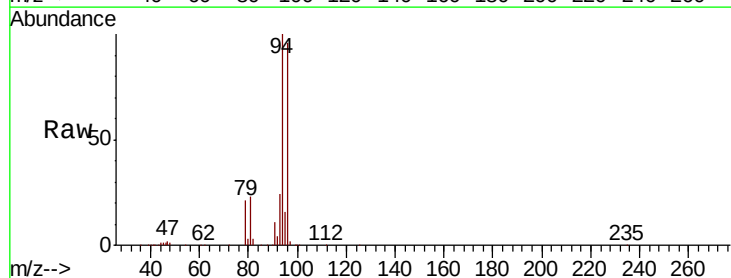
Acq: 6 Feb 2020 14:41

Tgt Ion: 94 Resp: 379618

Ion Ratio Lower Upper

94 100

96 95.6 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

300000

250000

200000

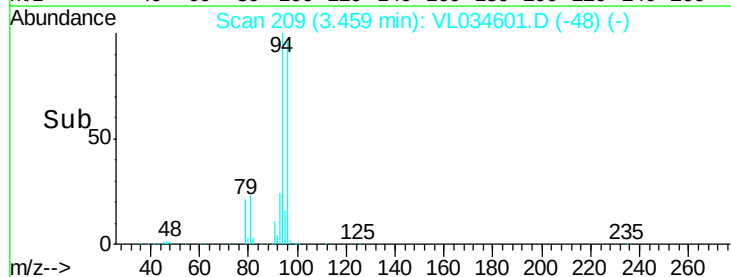
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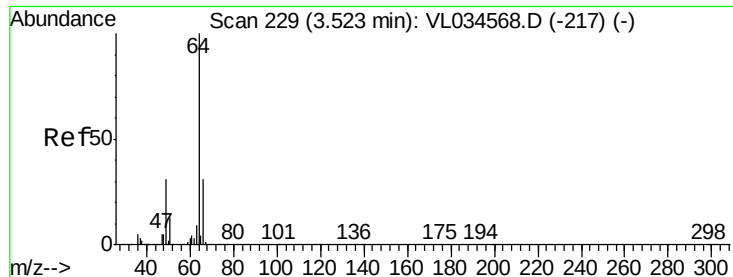
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.762 ppbv

RT: 3.55 min Scan# 236

Delta R.T. 0.02 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

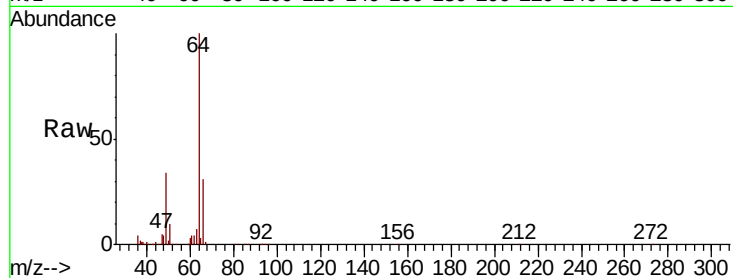
VSTDCCC010

Tot Ion: 64 Resp: 274941

Ion Ratio Lower Upper

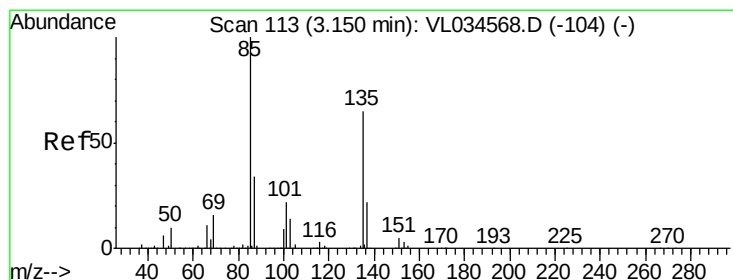
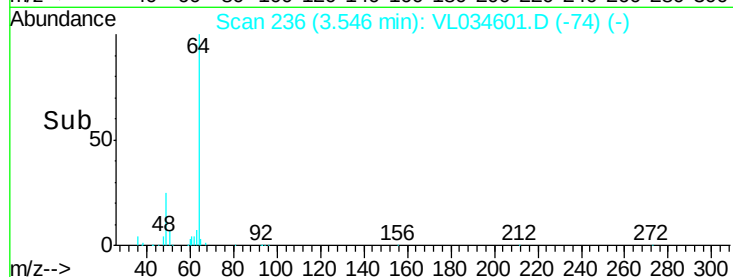
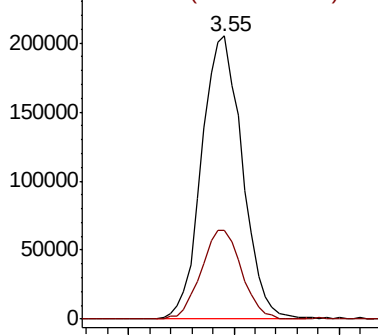
64 100

66 31.2 25.0 37.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.306 ppbv

RT: 3.17 min Scan# 119

Delta R.T. 0.02 min

Lab File: VL034601.D

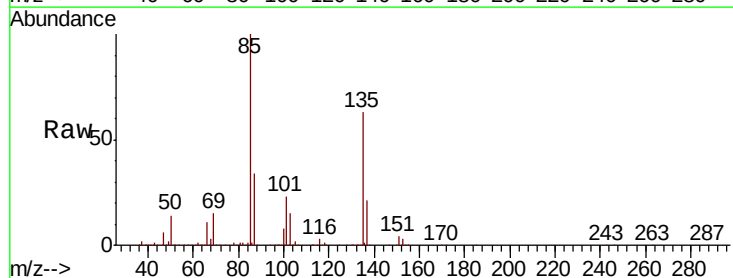
Acq: 6 Feb 2020 14:41

Tgt Ion: 85 Resp: 1718163

Ion Ratio Lower Upper

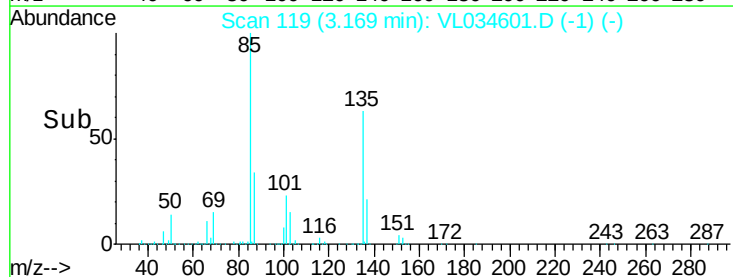
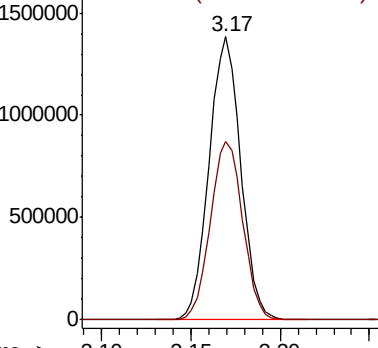
85 100

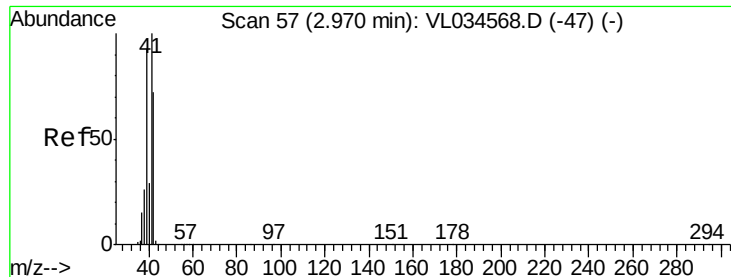
135 64.7 52.2 78.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.088 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.02 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

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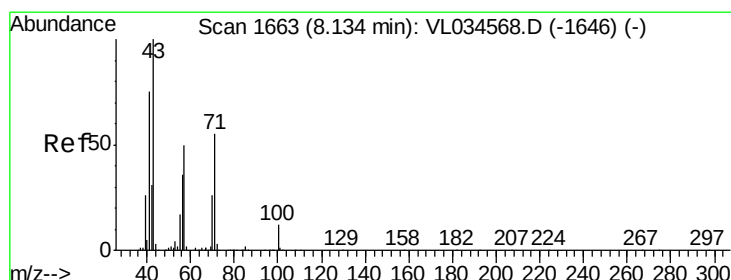
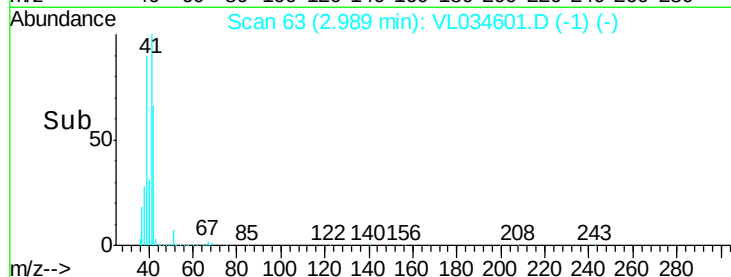
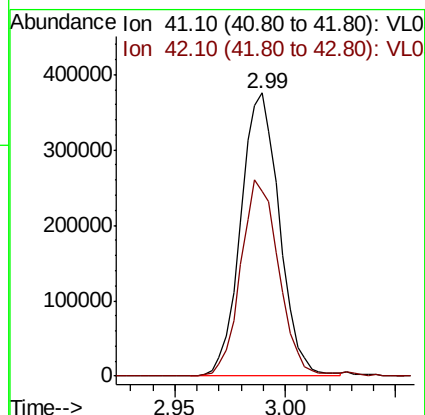
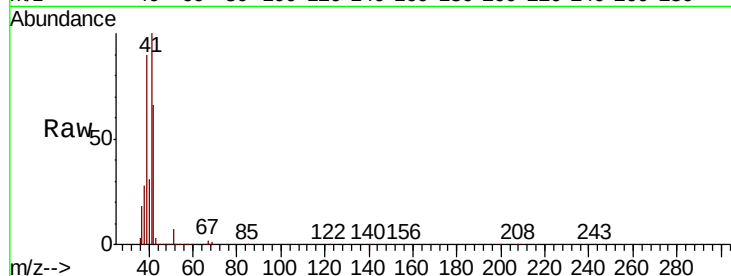
VSTDCCC010

Tot Ion: 41 Resp: 458520

Ion Ratio Lower Upper

41 100

42 69.1 57.0 85.4



#10

Heptane

Concen: 9.996 ppbv

RT: 8.17 min Scan# 1673

Delta R.T. 0.03 min

Lab File: VL034601.D

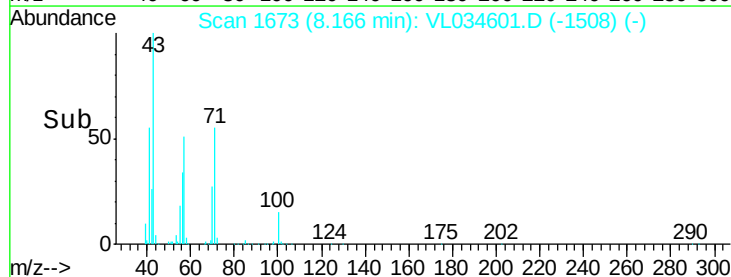
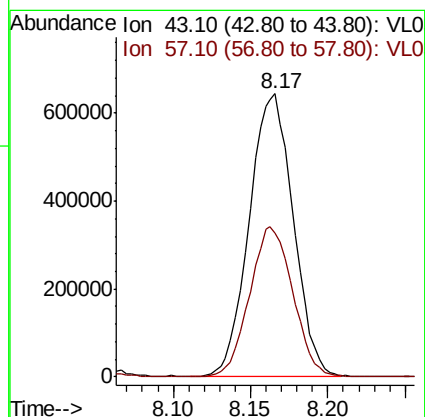
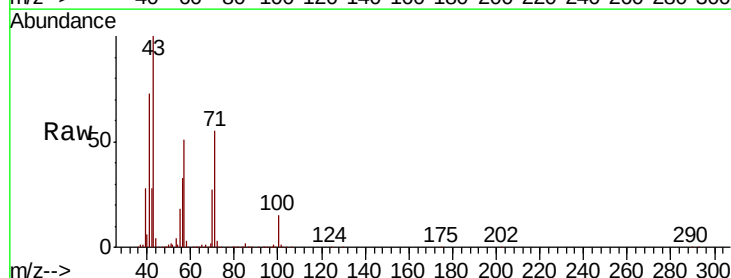
Acq: 6 Feb 2020 14:41

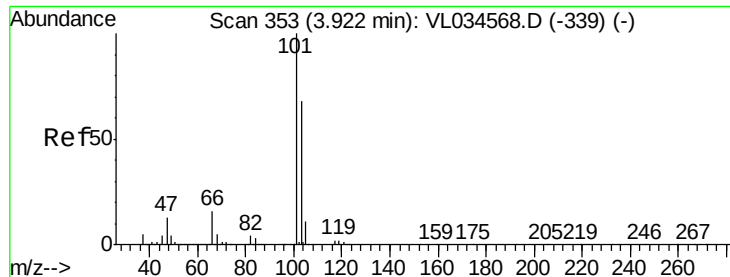
Tgt Ion: 43 Resp: 1269190

Ion Ratio Lower Upper

43 100

57 52.4 41.2 61.8





#11

Trichlorofluoromethane

Concen: 9.588 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.02 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

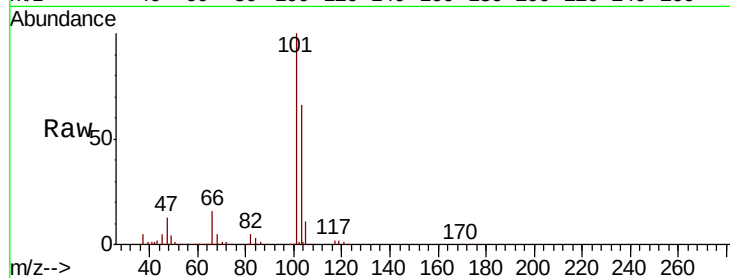
VSTDCCC010

Tot Ion:101 Resp: 2057350

Ion Ratio Lower Upper

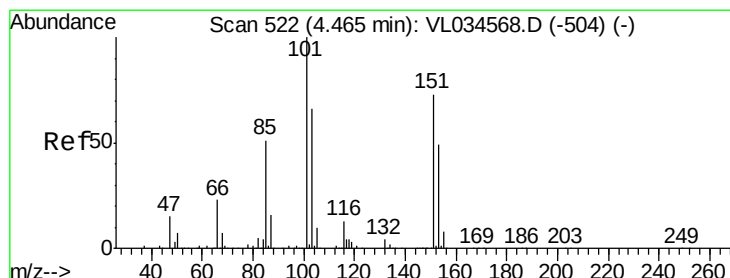
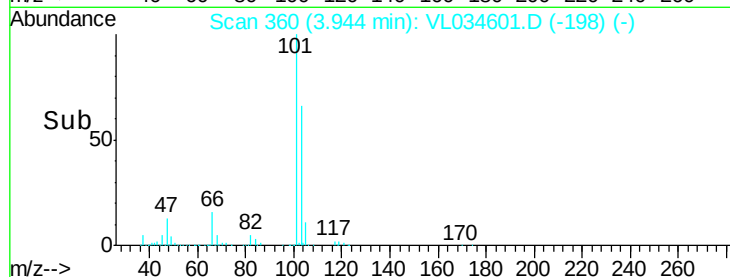
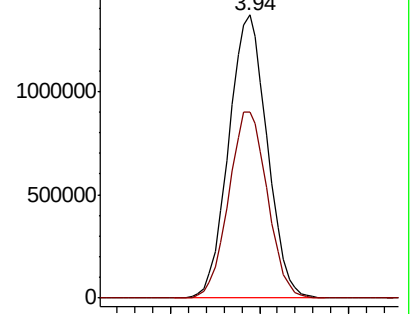
101 100

103 65.6 54.4 81.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.673 ppbv

RT: 4.49 min Scan# 529

Delta R.T. 0.02 min

Lab File: VL034601.D

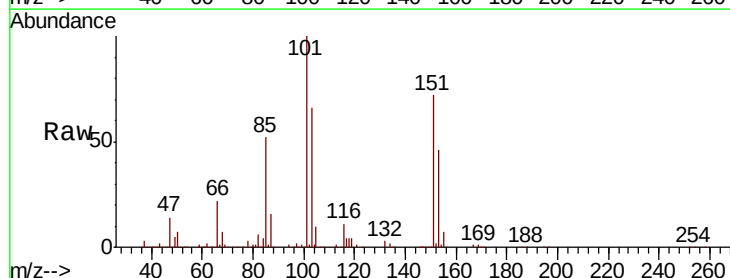
Acq: 6 Feb 2020 14:41

Tgt Ion:101 Resp: 1354190

Ion Ratio Lower Upper

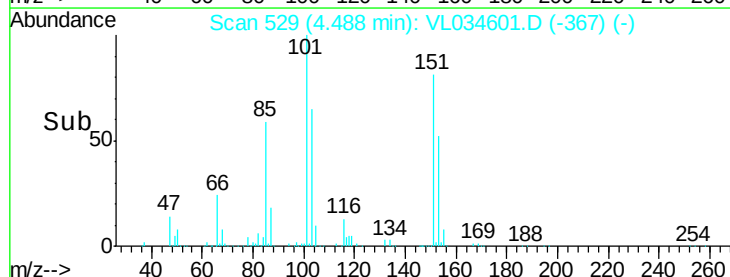
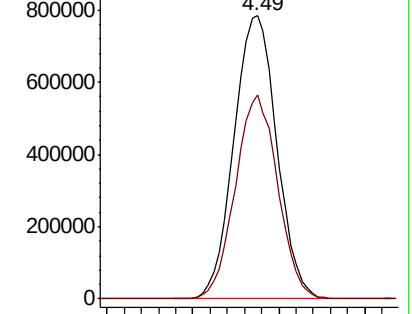
101 100

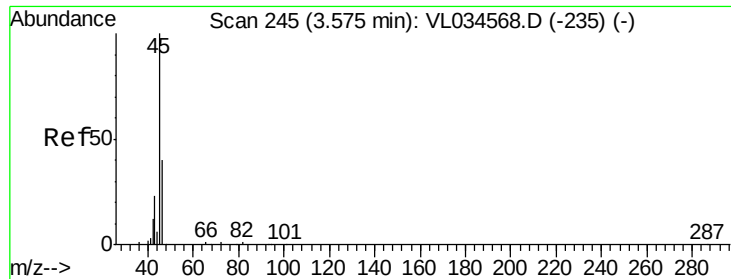
151 71.6 57.0 85.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 7.886 ppbv

RT: 3.59 min Scan# 250

Delta R.T. 0.02 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

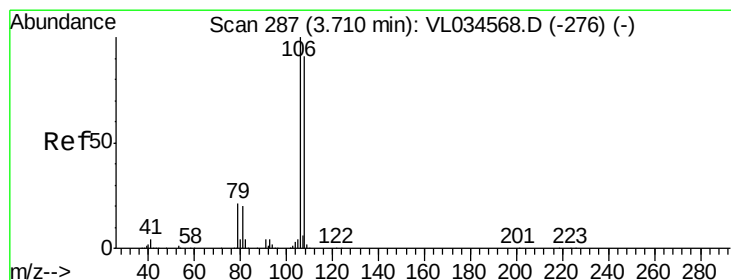
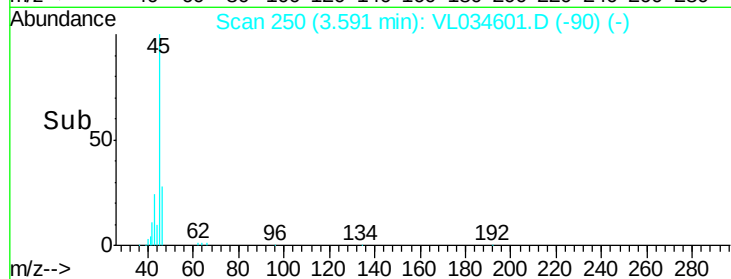
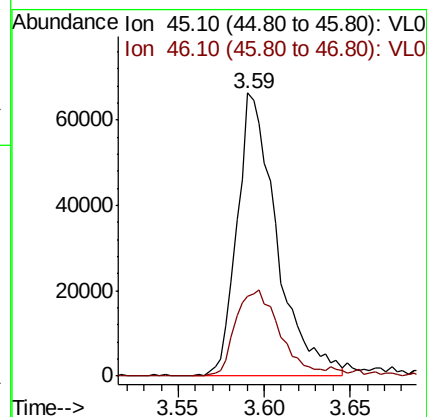
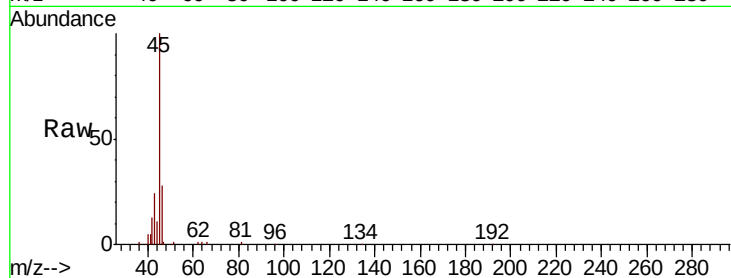
VSTDCCC010

Tot Ion: 45 Resp: 106573

Ion Ratio Lower Upper

45 100

46 35.3 14.8 59.2



#14

Bromoethene

Concen: 9.957 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.02 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

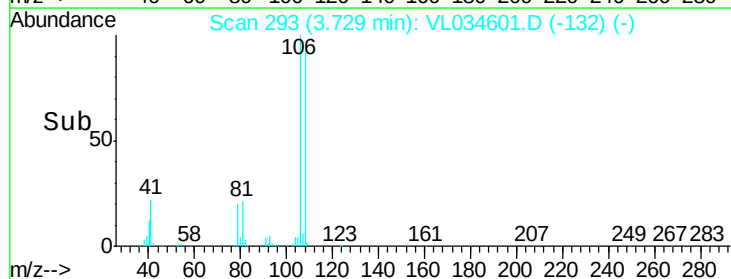
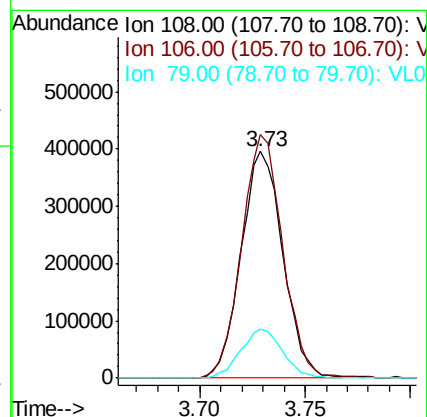
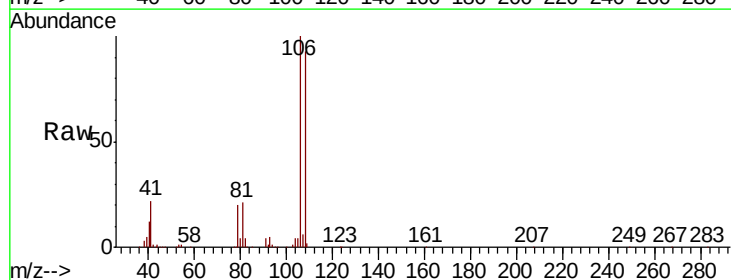
Tgt Ion: 108 Resp: 546816

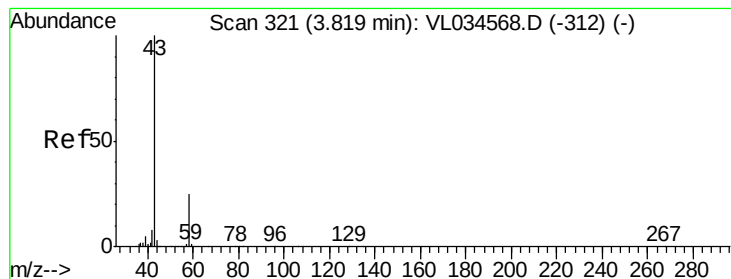
Ion Ratio Lower Upper

108 100

106 105.5 84.6 127.0

79 22.2 18.2 27.2





#15

Acetone

Concen: 8.917 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.02 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

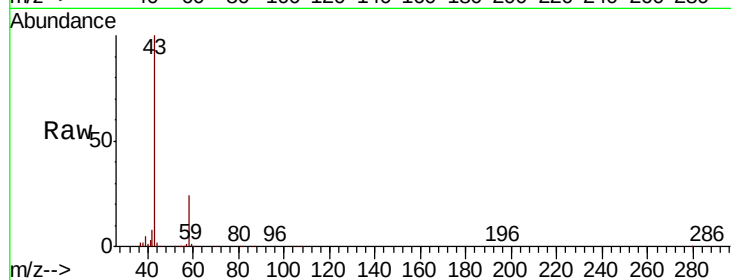
VSTDCCC010

Tot Ion: 43 Resp: 1405457

Ion Ratio Lower Upper

43 100

58 25.9 20.3 30.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

1000000

800000

600000

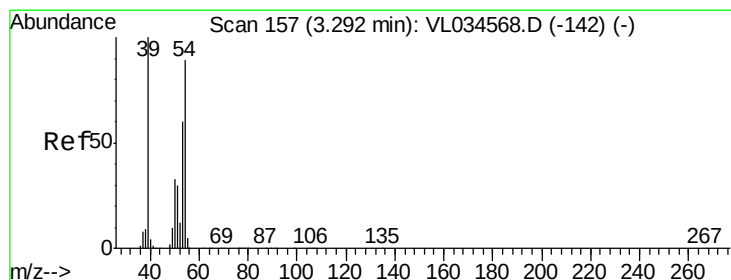
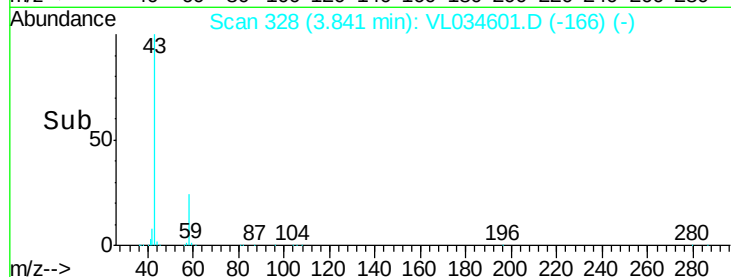
400000

200000

0

Time-->

3.80 3.85 3.90



#16

1,3-Butadiene

Concen: 9.961 ppbv

RT: 3.31 min Scan# 163

Delta R.T. 0.02 min

Lab File: VL034601.D

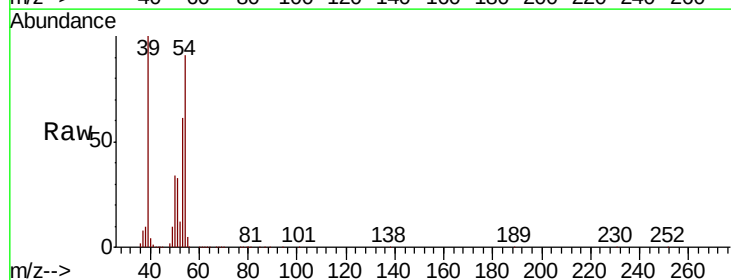
Acq: 6 Feb 2020 14:41

Tgt Ion: 39 Resp: 623453

Ion Ratio Lower Upper

39 100

54 85.3 66.7 100.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.31

500000

400000

300000

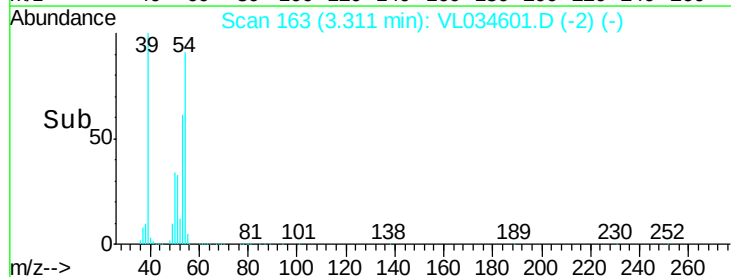
200000

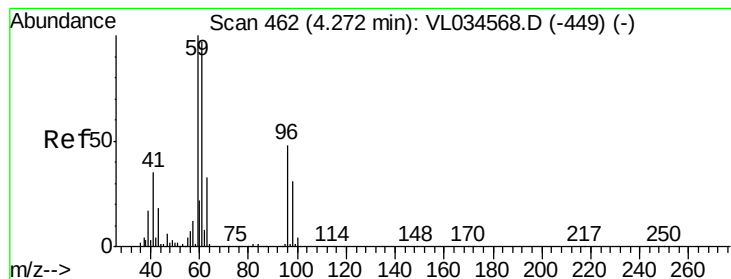
100000

0

Time-->

3.25 3.30 3.35





#17

tert-Butyl alcohol

Concen: 10.554 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.02 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

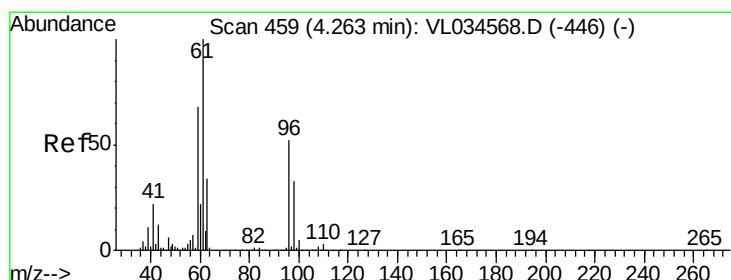
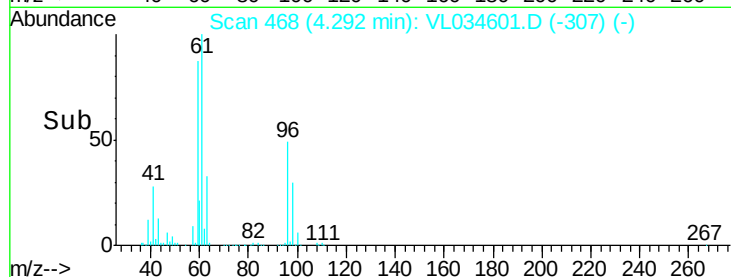
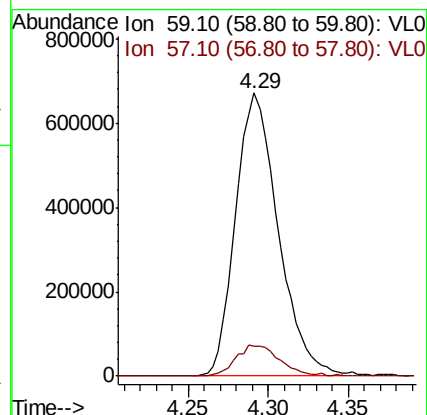
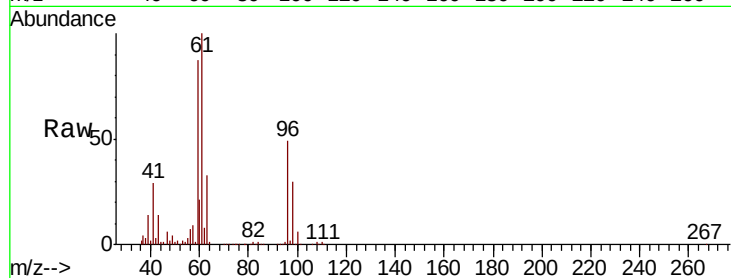
VSTDCCC010

Tot Ion: 59 Resp: 1223388

Ion Ratio Lower Upper

59 100

57 11.4 8.7 13.1



#18

1,1-Dichloroethene

Concen: 10.103 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.03 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

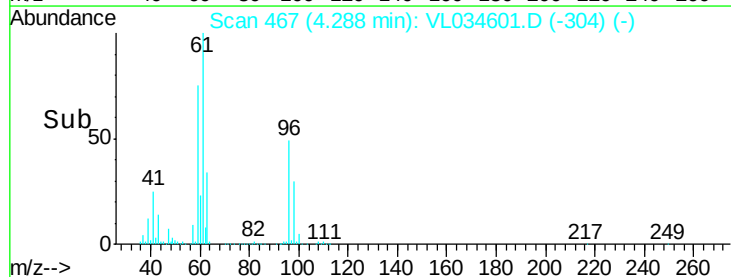
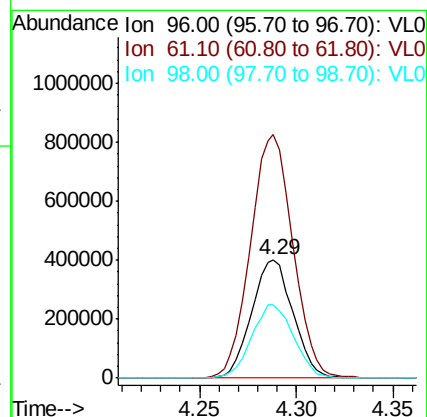
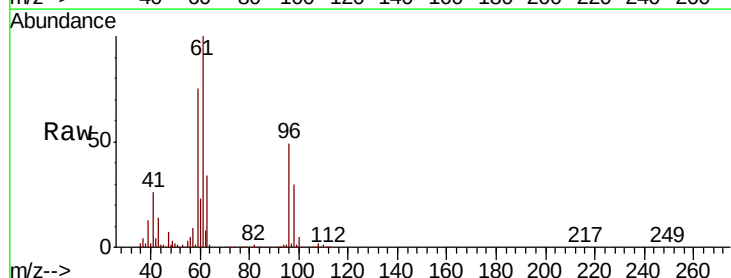
Tgt Ion: 96 Resp: 597092

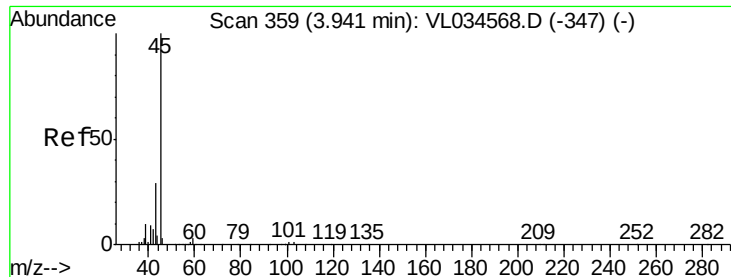
Ion Ratio Lower Upper

96 100

61 205.8 154.5 231.7

98 62.0 50.3 75.5





#19

Isopropyl Alcohol

Concen: 9.777 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.02 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

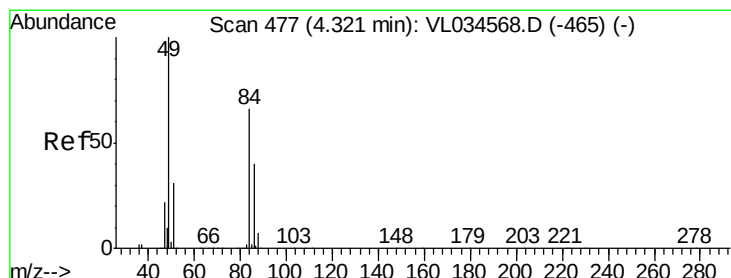
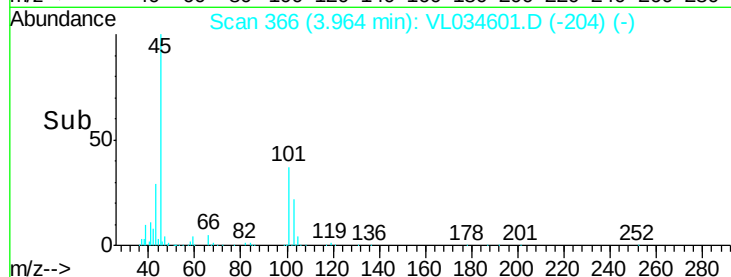
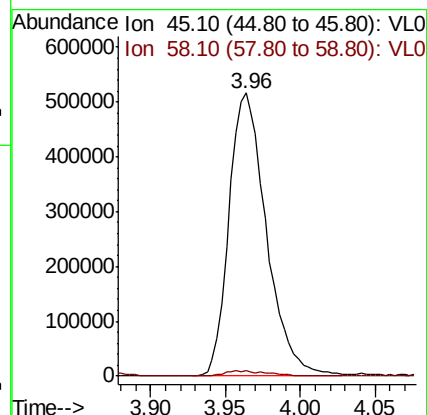
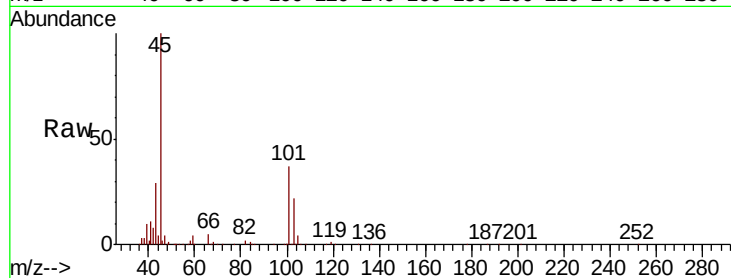
VSTDCCC010

Tot Ion: 45 Resp: 899311

Ion Ratio Lower Upper

45 100

58 2.5 1.7 2.5#



#20

Methylene Chloride

Concen: 8.868 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.03 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Tgt Ion: 84 Resp: 532221

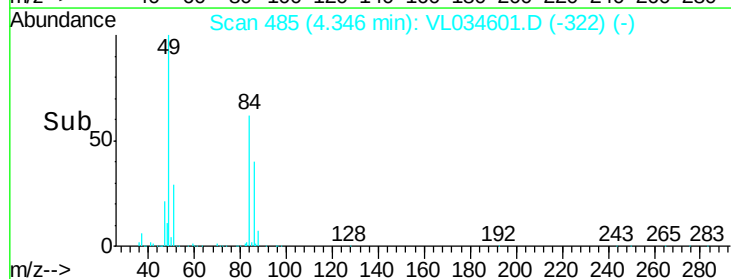
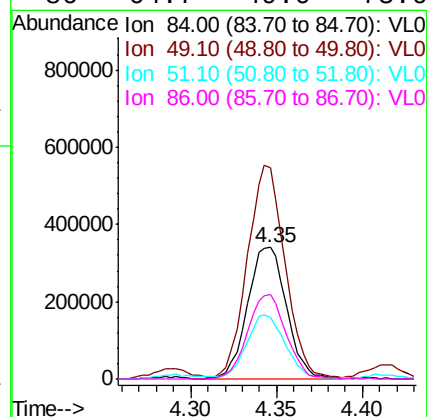
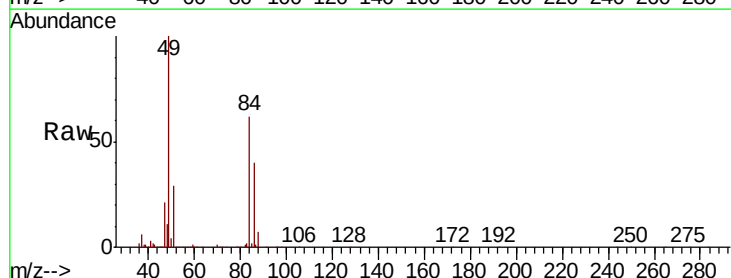
Ion Ratio Lower Upper

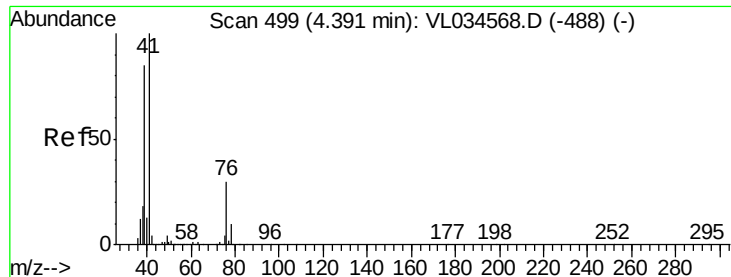
84 100

49 159.7 122.4 183.6

51 46.0 38.6 57.8

86 64.7 49.0 73.6

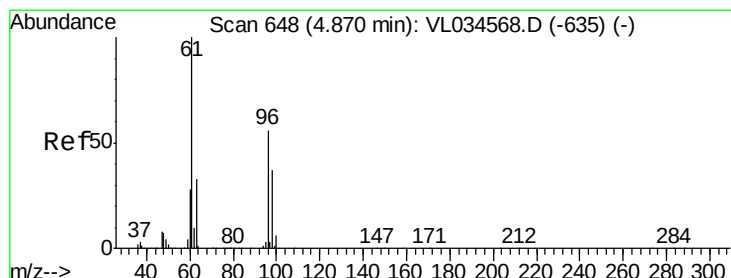
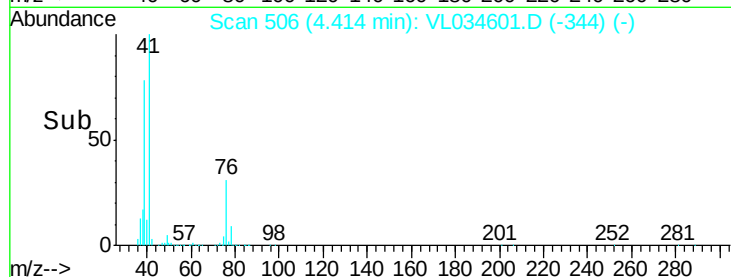
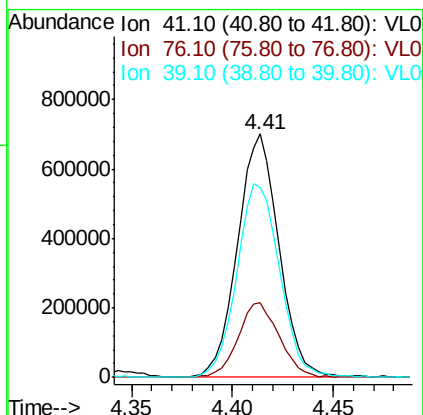
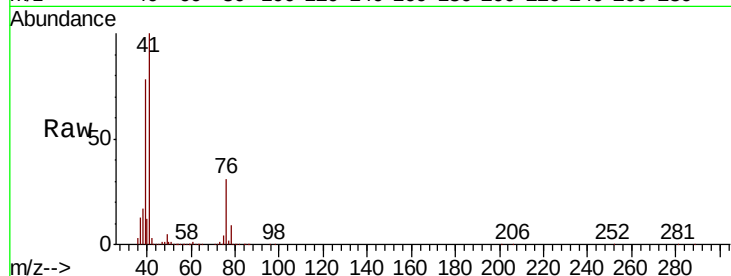




#21
Allvl Chloride
Concen: 10.216 ppbv
RT: 4.41 min Scan# 506
Delta R.T. 0.02 min
Lab File: VL034601.D
Acq: 6 Feb 2020 14:41

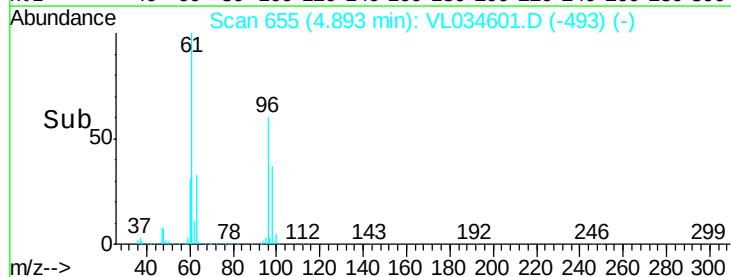
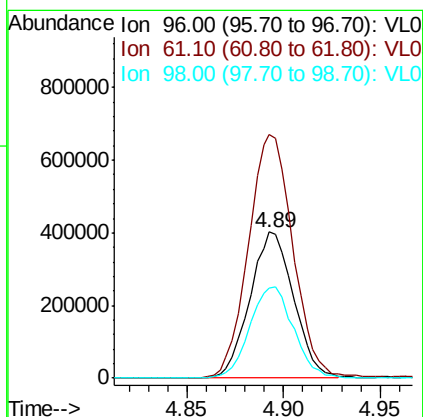
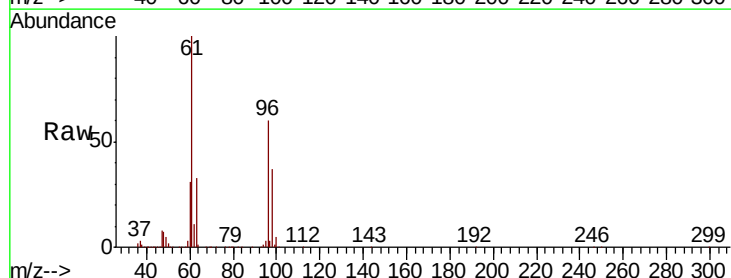
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

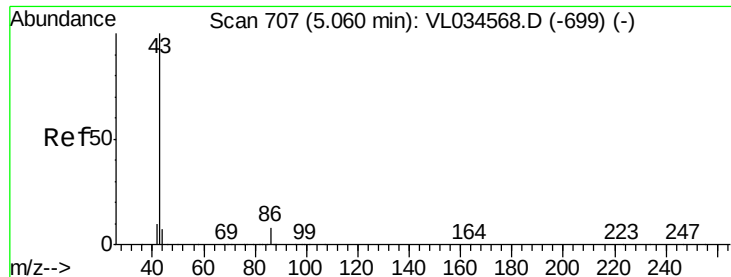
Tot Ion: 41 Resp: 1000059
Ion Ratio Lower Upper
41 100
76 30.8 24.2 36.2
39 82.7 68.3 102.5



#22
trans-1,2-Dichloroethene
Concen: 10.201 ppbv
RT: 4.89 min Scan# 655
Delta R.T. 0.02 min
Lab File: VL034601.D
Acq: 6 Feb 2020 14:41

Tgt Ion: 96 Resp: 631383
Ion Ratio Lower Upper
96 100
61 166.8 141.9 212.9
98 61.8 53.1 79.7





#23

Vinyl Acetate

Concen: 9.697 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.03 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1743789

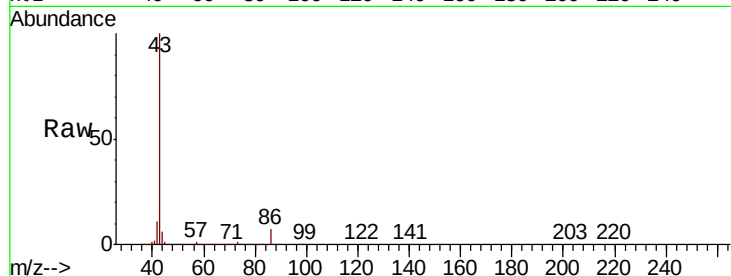
Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.9	8.9
42	10.9	8.8	13.2
44	5.8	5.0	7.6

43 100

86 7.3 5.9 8.9

42 10.9 8.8 13.2

44 5.8 5.0 7.6

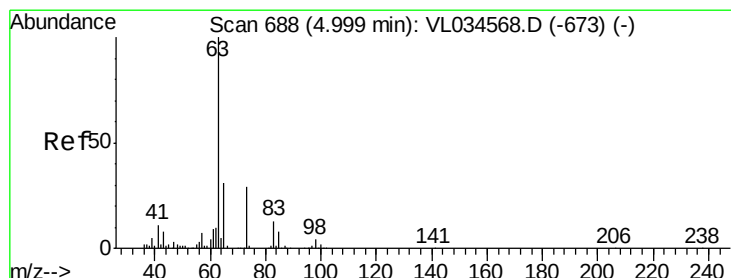
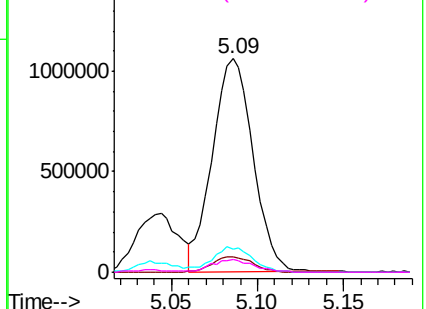
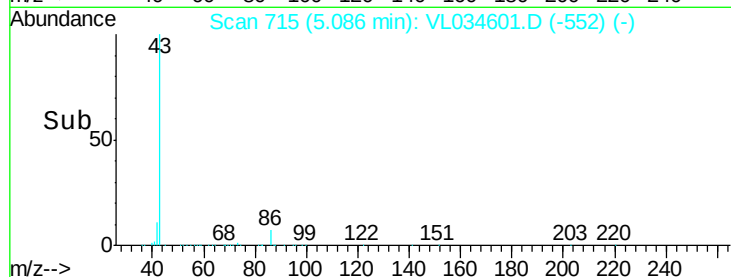


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.373 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.02 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

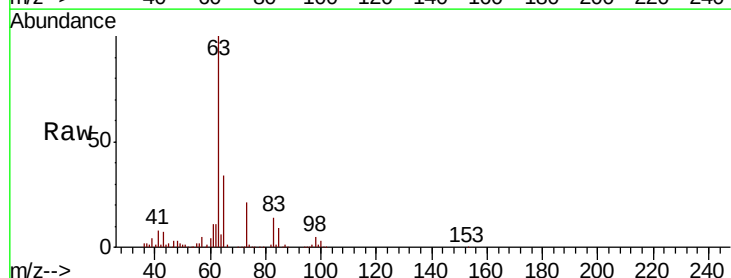
Tgt Ion: 63 Resp: 1407177

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.2
100	2.8	1.1	3.5

63 100

98 4.8 2.1 6.2

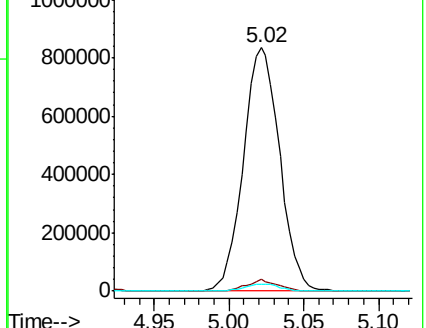
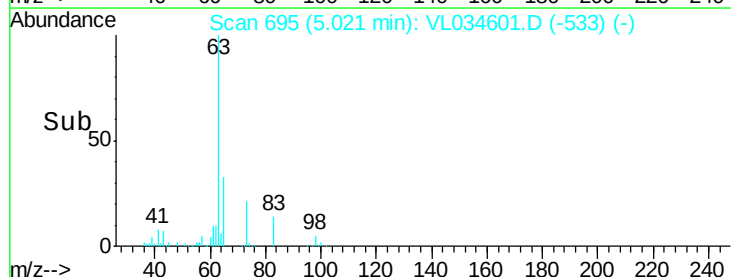
100 2.8 1.1 3.5

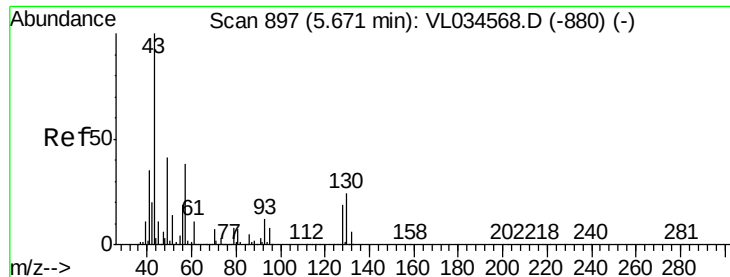


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.207 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.03 min

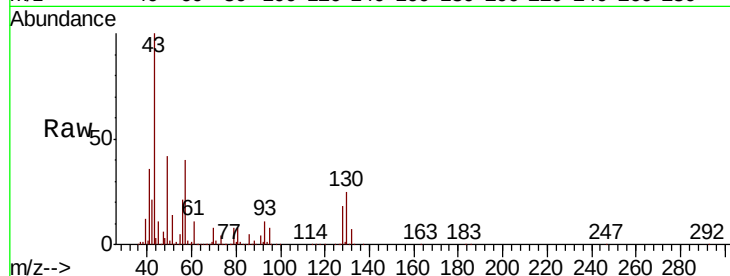
Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2349322

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.5	12.7
61	10.2	7.8	11.6
70	7.7	5.8	8.8



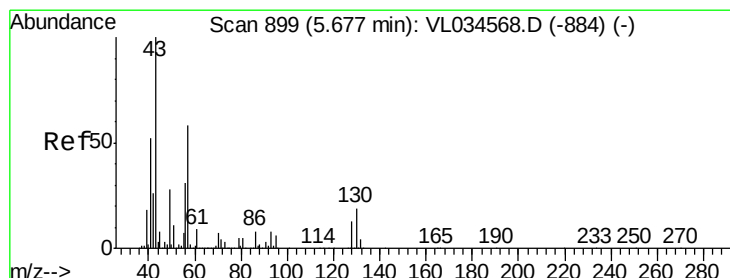
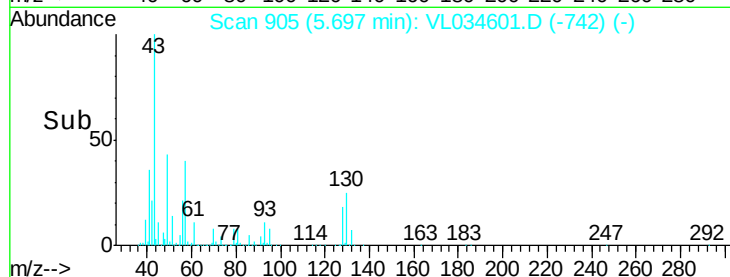
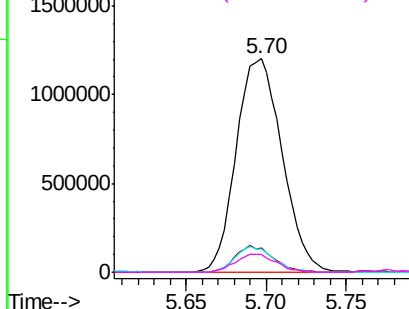
Abundance

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: 9.507 ppbv

RT: 5.71 min Scan# 908

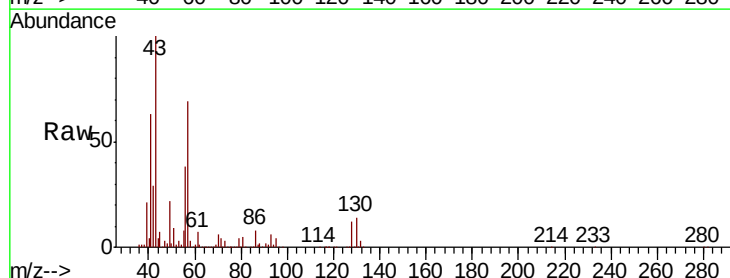
Delta R.T. 0.03 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Tgt Ion: 57 Resp: 1016147

Ion	Ratio	Lower	Upper
57	100		
41	95.2	76.2	114.2
43	232.4	189.9	284.9
56	54.0	43.6	65.4



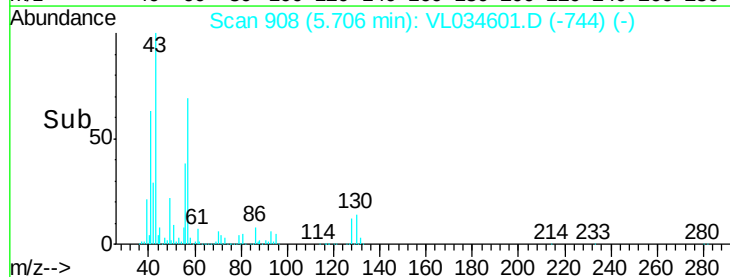
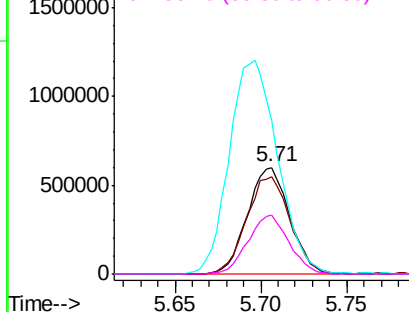
Abundance

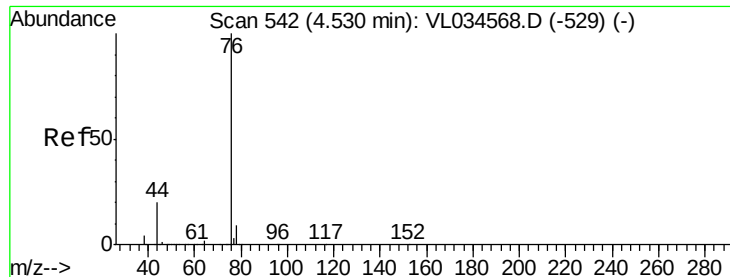
Ion 57.10 (56.80 to 57.80): VL0

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: 10.822 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.02 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

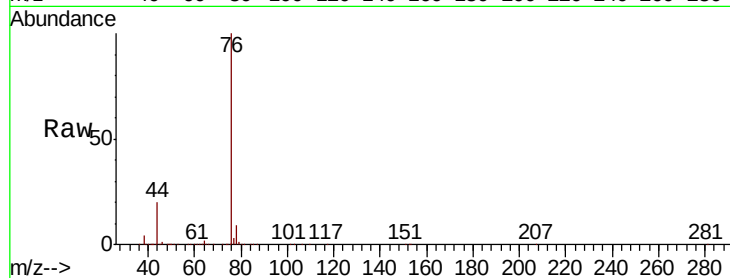
Tot Ion: 76 Resp: 1560678

Ion Ratio Lower Upper

76 100

44 20.5 16.3 24.5

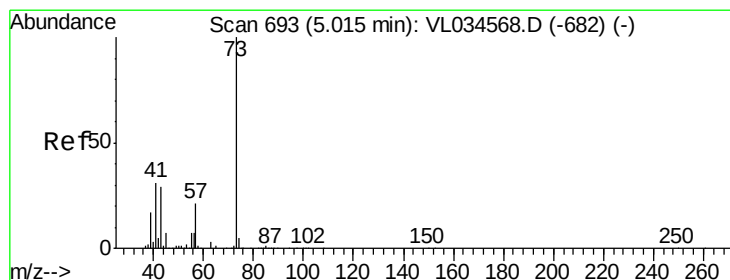
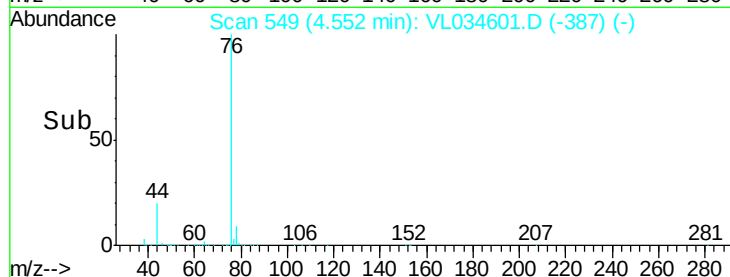
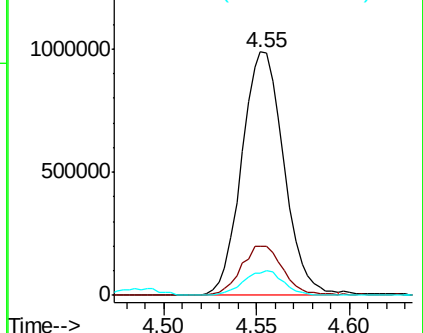
78 9.8 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.779 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.03 min

Lab File: VL034601.D

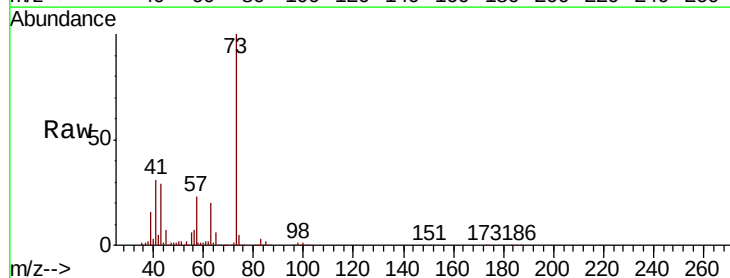
Acq: 6 Feb 2020 14:41

Tgt Ion: 73 Resp: 1782414

Ion Ratio Lower Upper

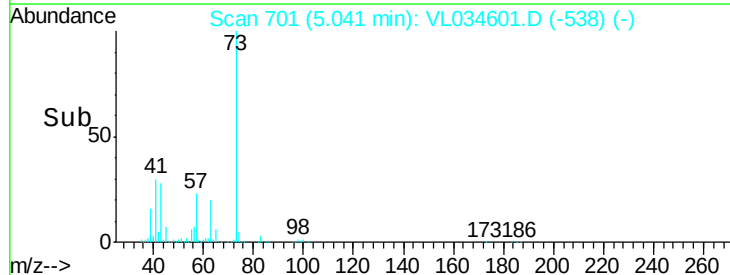
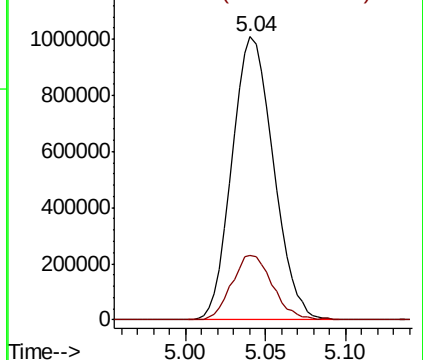
73 100

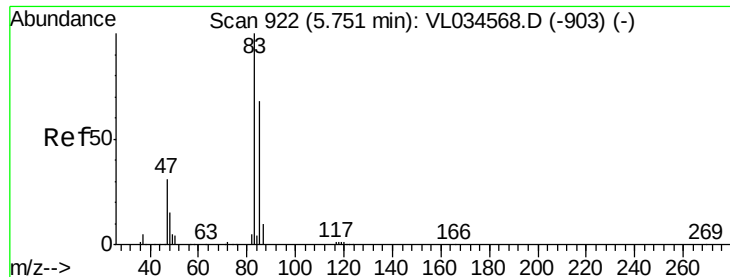
57 22.6 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

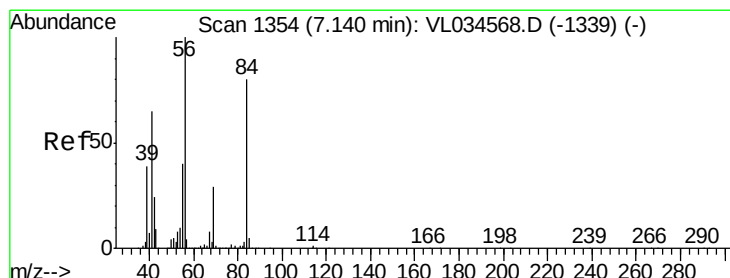
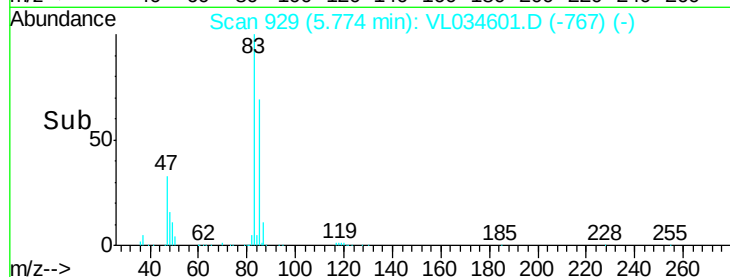
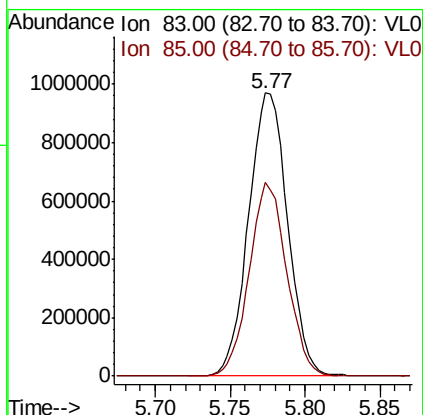
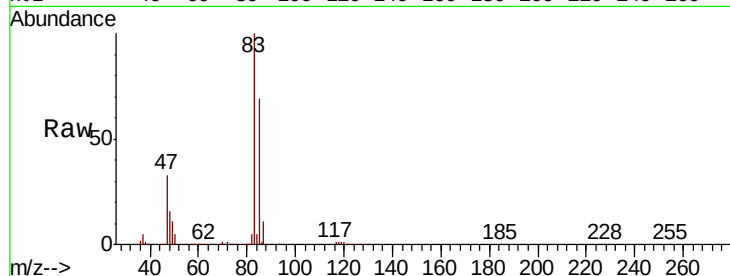




#29
Chloroform
Concen: 9.315 ppbv
RT: 5.77 min Scan# 929
Delta R.T. 0.02 min
Lab File: VL034601.D
Acq: 6 Feb 2020 14:41

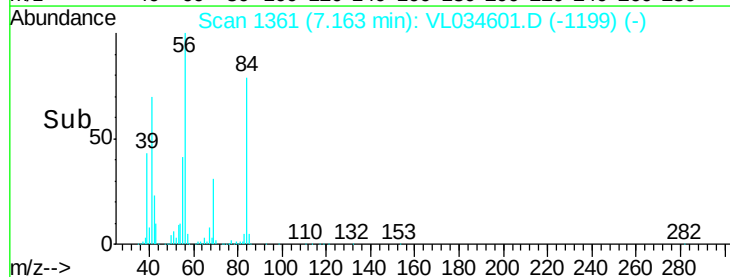
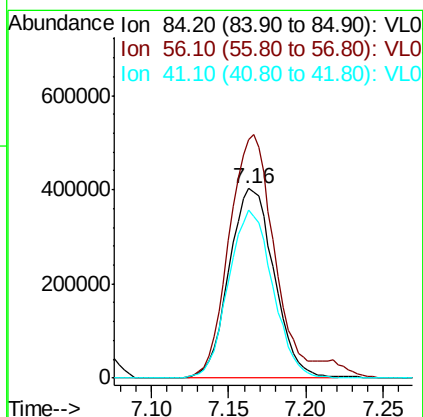
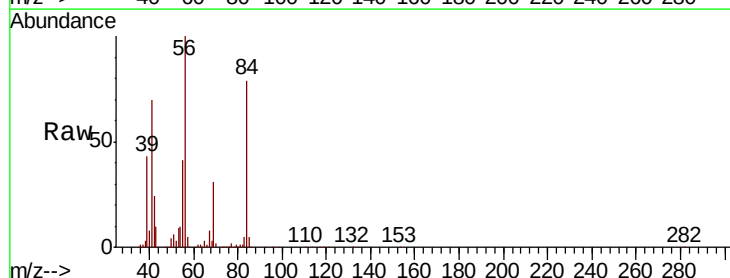
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

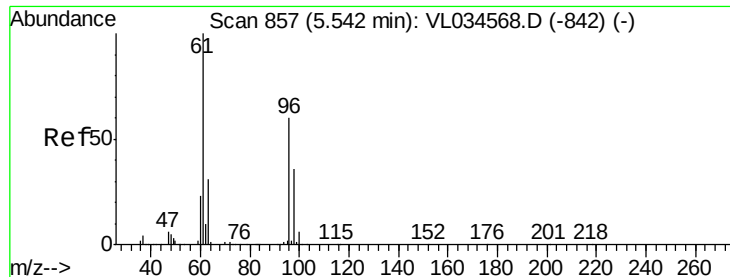
Tot Ion: 83 Resp: 1760351
Ion Ratio Lower Upper
83 100
85 68.5 54.0 81.0



#30
Cyclohexane
Concen: 10.286 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. 0.02 min
Lab File: VL034601.D
Acq: 6 Feb 2020 14:41

Tgt Ion: 84 Resp: 814651
Ion Ratio Lower Upper
84 100
56 134.2 110.5 165.7
41 87.2 71.9 107.9



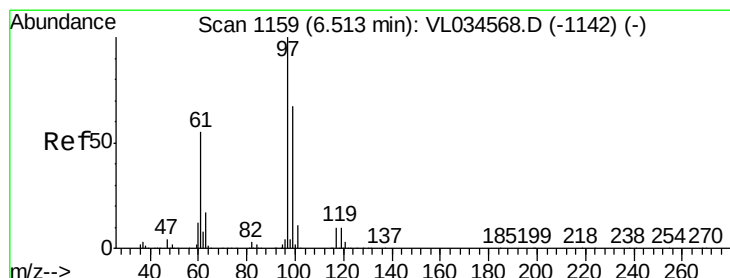
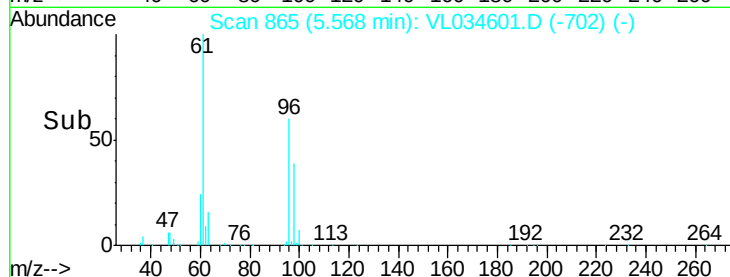
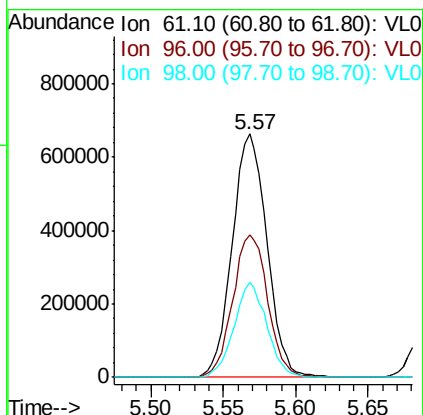
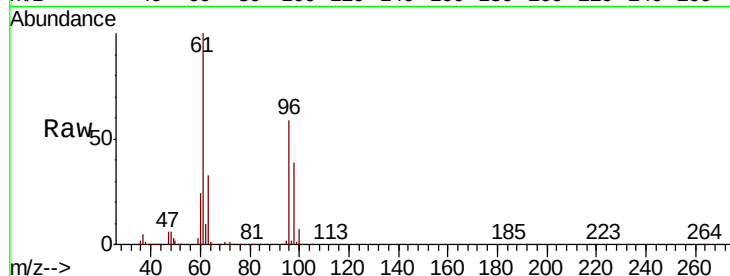


#31

cis-1,2-Dichloroethene
 Concen: 9.904 ppbv
 RT: 5.57 min Scan# 865
 Delta R.T. 0.03 min
 Lab File: VL034601.D
 Acq: 6 Feb 2020 14:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

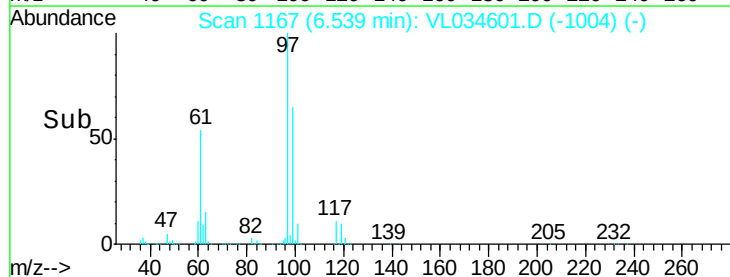
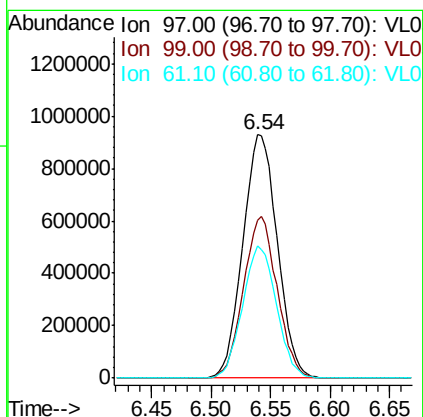
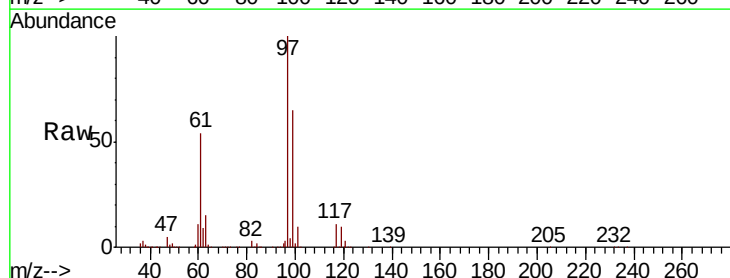
Tot Ion: 61 Resp: 1099835
 Ion Ratio Lower Upper
 61 100
 96 58.7 48.0 72.0
 98 39.3 28.6 43.0

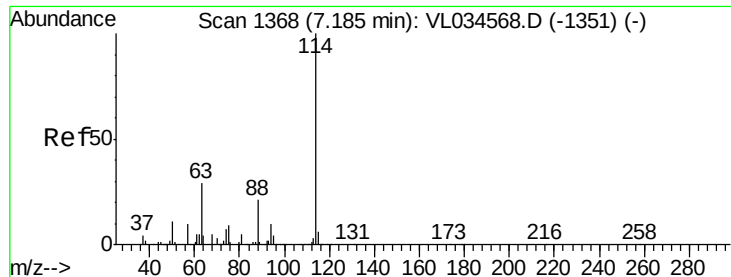


#32

1,1,1-Trichloroethane
 Concen: 9.202 ppbv
 RT: 6.54 min Scan# 1167
 Delta R.T. 0.03 min
 Lab File: VL034601.D
 Acq: 6 Feb 2020 14:41

Tgt Ion: 97 Resp: 1867433
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.2 78.2
 61 53.4 43.0 64.4

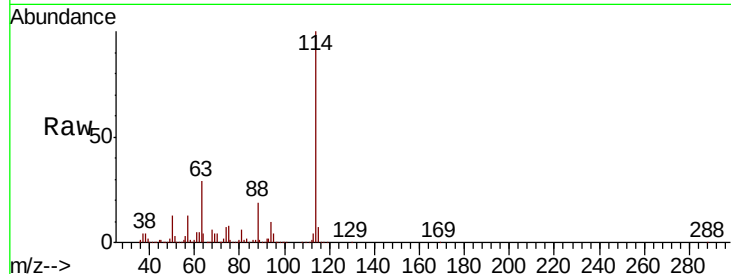




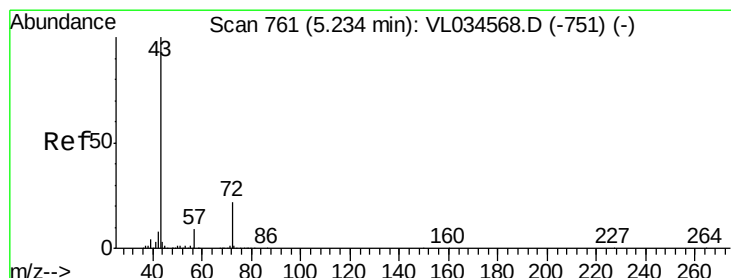
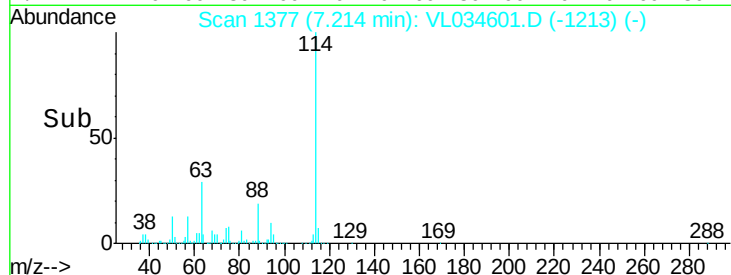
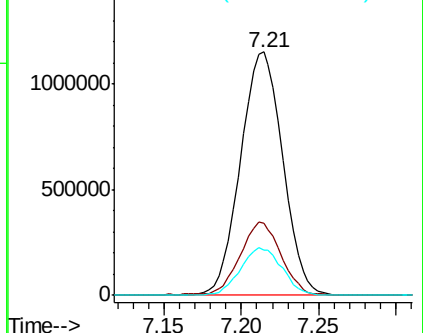
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1377
 Delta R.T. 0.03 min
 Lab File: VL034601.D
 Acq: 6 Feb 2020 14:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 2193797
 Ion Ratio Lower Upper
 114 100
 63 29.5 24.1 36.1
 88 19.3 15.9 23.9

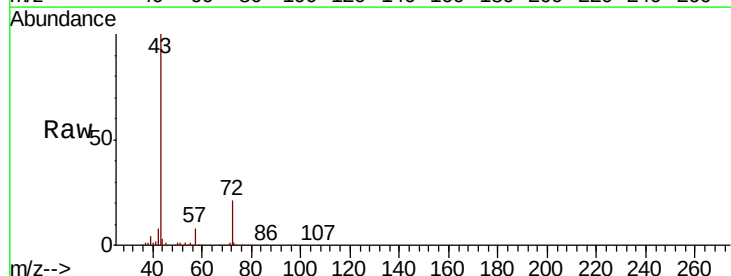


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

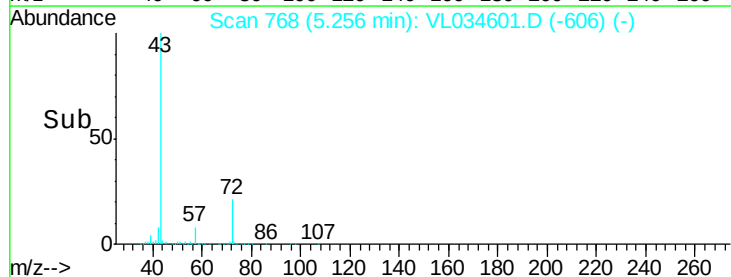
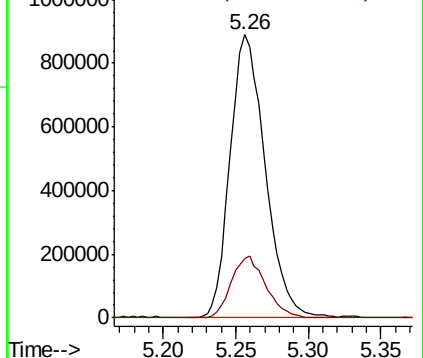


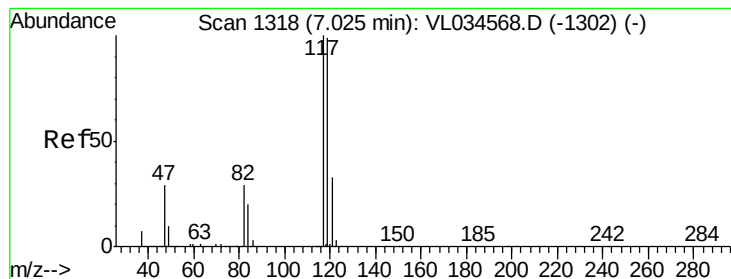
#34
 2-Butanone
 Concen: 9.352 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.02 min
 Lab File: VL034601.D
 Acq: 6 Feb 2020 14:41

Tgt Ion: 43 Resp: 1489633
 Ion Ratio Lower Upper
 43 100
 72 21.6 17.2 25.8



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





#35

Carbon Tetrachloride

Concen: 9.688 ppbv

RT: 7.05 min Scan# 1327

Delta R.T. 0.03 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

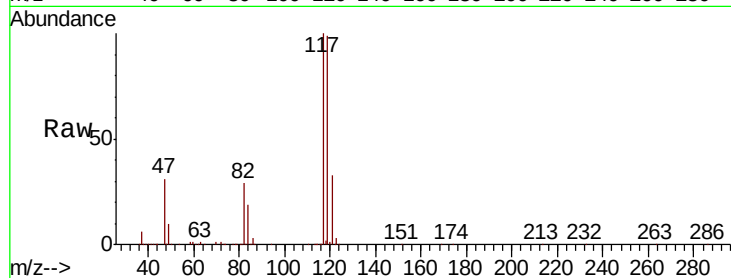
Tot Ion:117 Resp: 2031937

Ion Ratio Lower Upper

117 100

119 98.9 79.5 119.3

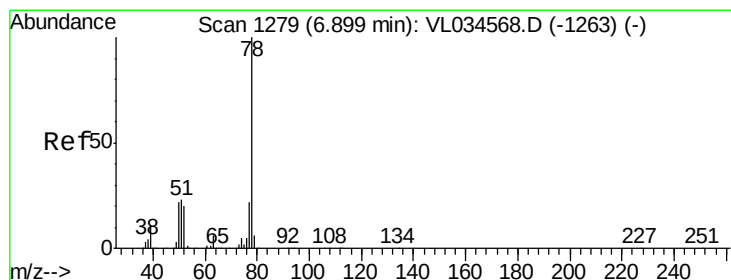
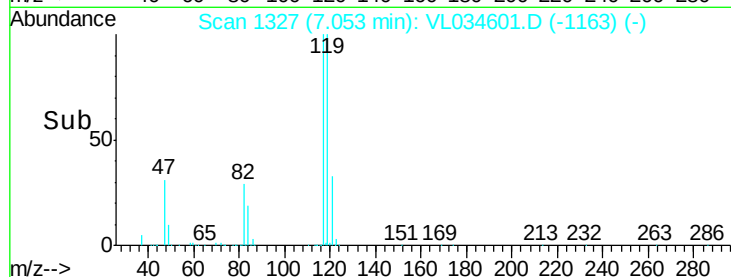
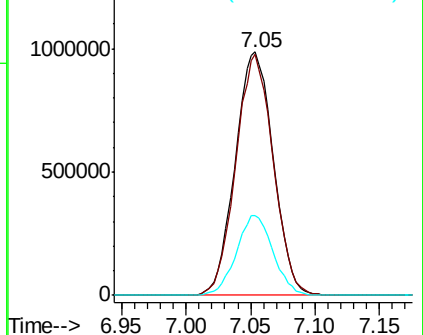
121 32.9 26.2 39.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.719 ppbv

RT: 6.93 min Scan# 1288

Delta R.T. 0.03 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

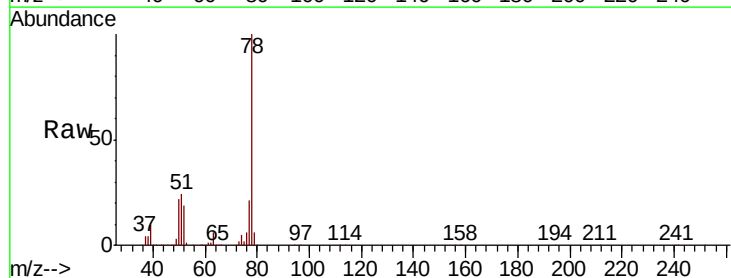
Tgt Ion: 78 Resp: 1896151

Ion Ratio Lower Upper

78 100

77 21.4 17.3 25.9

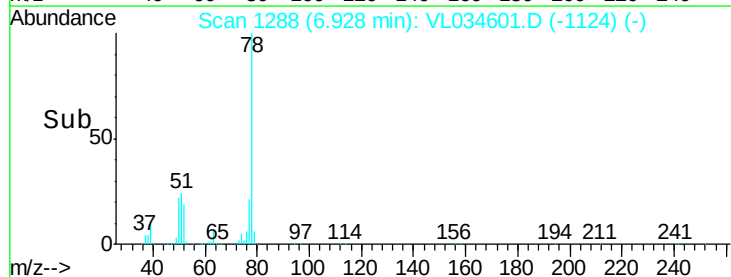
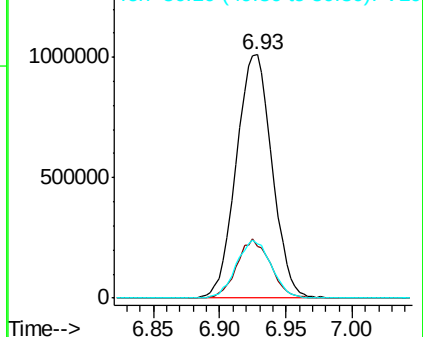
50 22.1 17.4 26.2

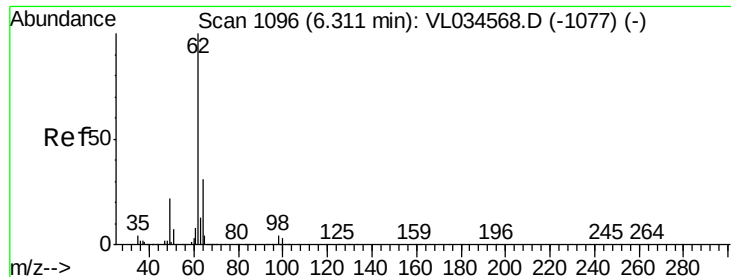


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

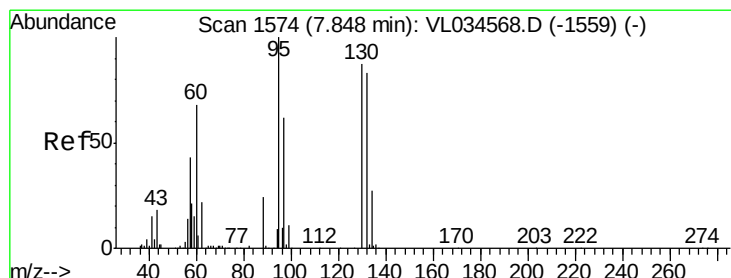
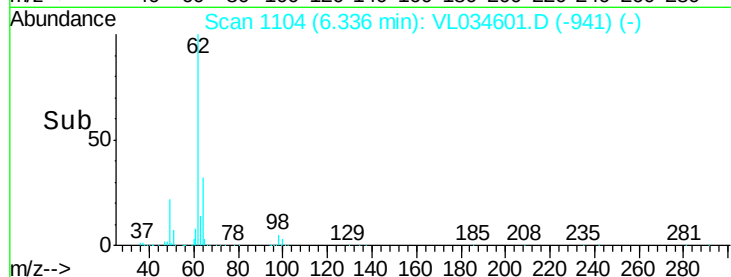
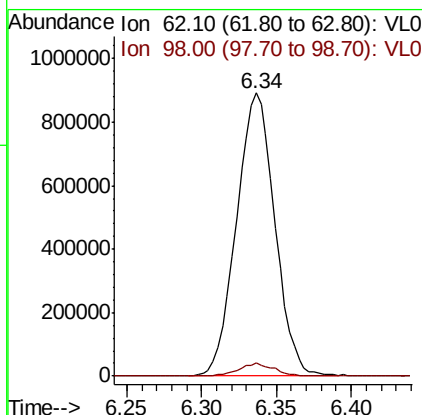
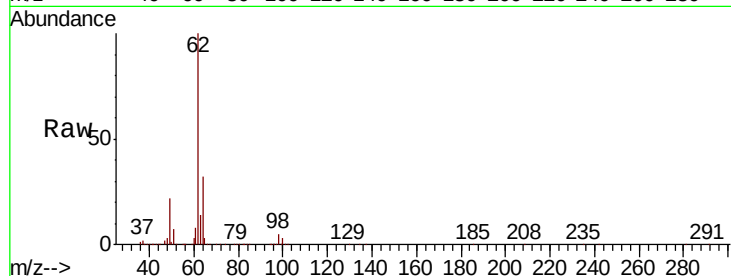




#37
 1,2-Dichloroethane
 Concen: 9.749 ppbv
 RT: 6.34 min Scan# 1104
 Delta R.T. 0.03 min
 Lab File: VL034601.D
 Acq: 6 Feb 2020 14:41

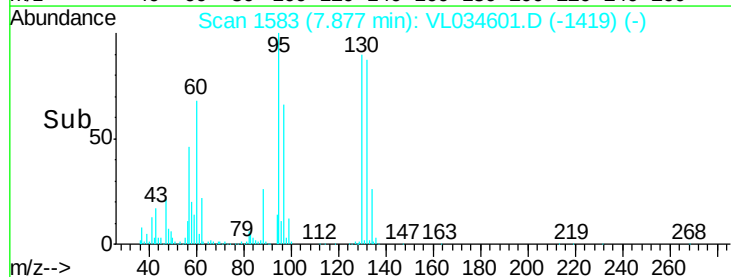
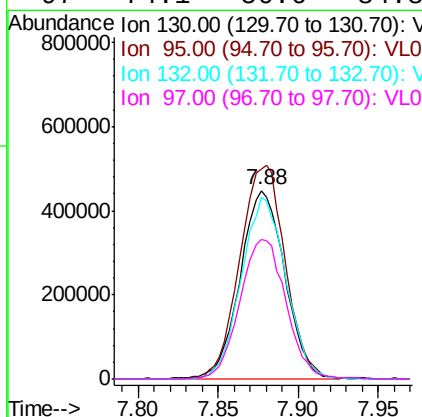
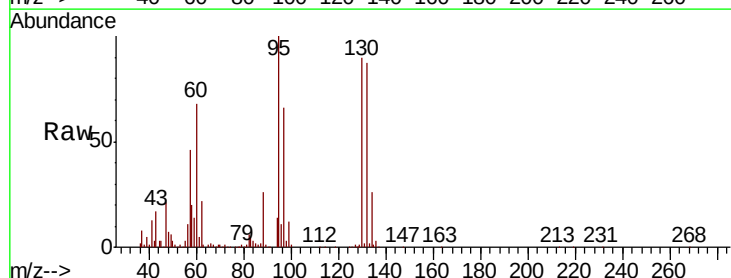
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

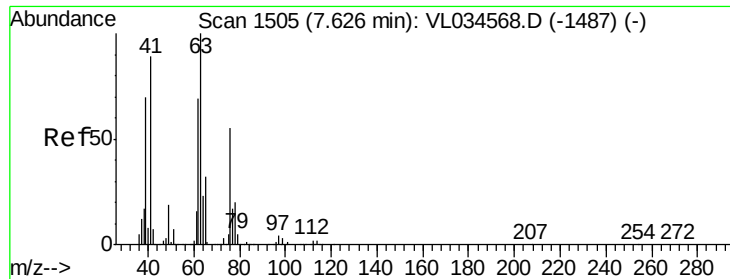
Tot Ion: 62 Resp: 1586797
 Ion Ratio Lower Upper
 62 100
 98 4.3 3.7 5.5



#38
 Trichloroethene
 Concen: 10.276 ppbv
 RT: 7.88 min Scan# 1583
 Delta R.T. 0.03 min
 Lab File: VL034601.D
 Acq: 6 Feb 2020 14:41

Tgt Ion: 130 Resp: 845058
 Ion Ratio Lower Upper
 130 100
 95 111.4 91.6 137.4
 132 96.6 76.1 114.1
 97 74.1 56.6 84.8





#39

1,2-Dichloropropane

Concen: 9.660 ppbv

RT: 7.65 min Scan# 1514

Delta R.T. 0.03 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

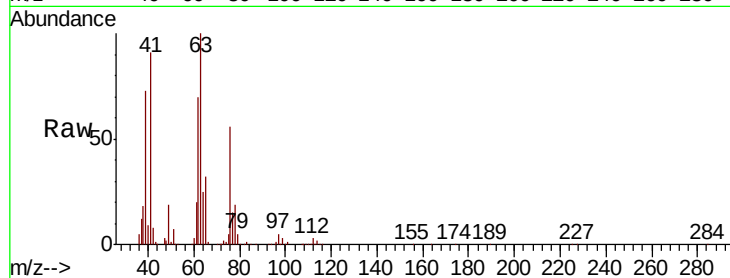
Tot Ion: 63 Resp: 781253

Ion Ratio Lower Upper

63 100

41 90.4 71.0 106.4

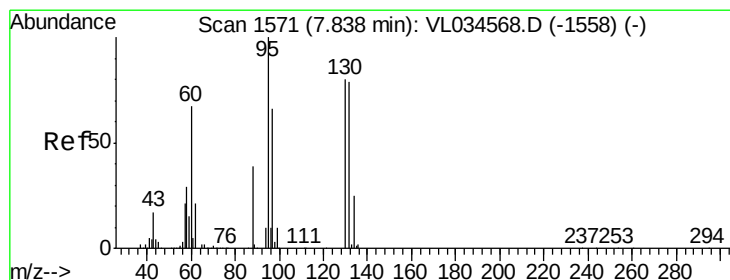
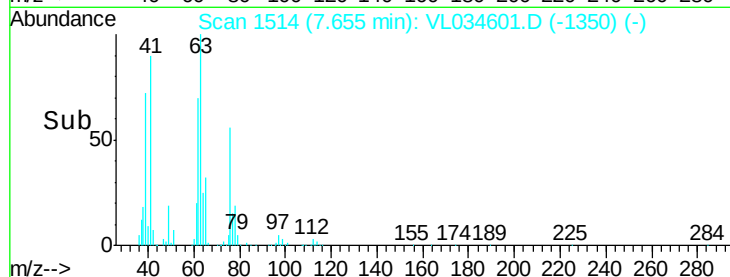
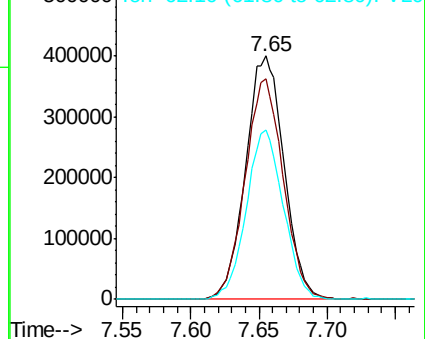
62 69.5 55.4 83.0



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: 9.518 ppbv m

RT: 7.87 min Scan# 1580

Delta R.T. 0.03 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Tgt Ion: 88 Resp: 295917

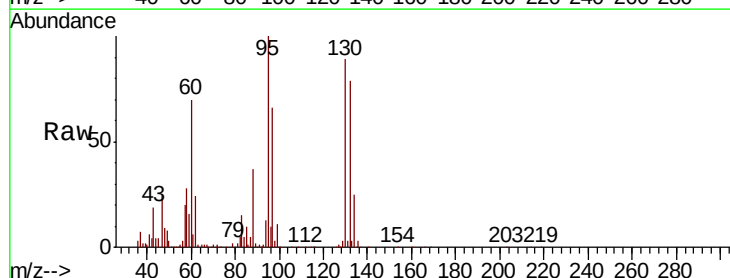
Ion Ratio Lower Upper

88 100

58 131.7 107.8 161.8

43 0.0 220.9 331.3#

57 0.0 908.6 1363.0#

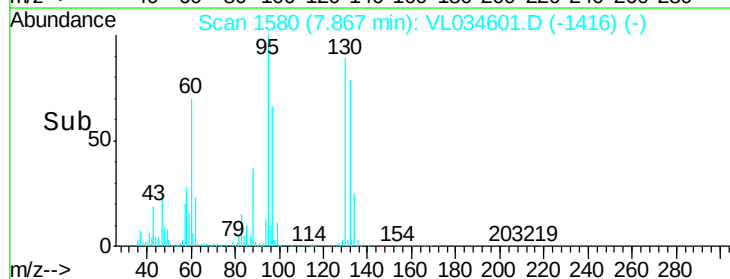
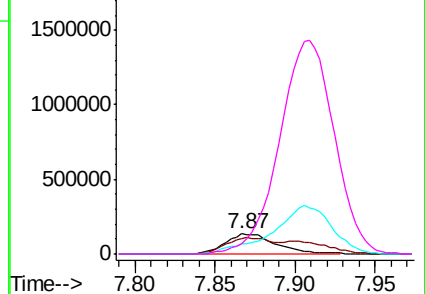


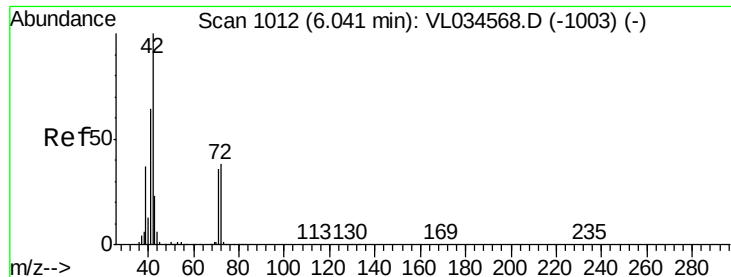
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

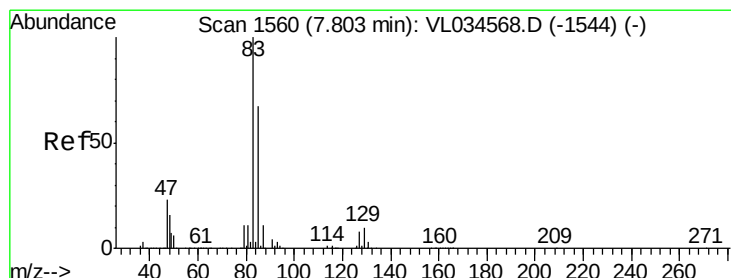
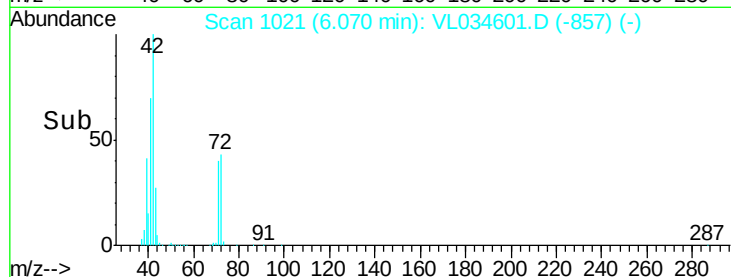
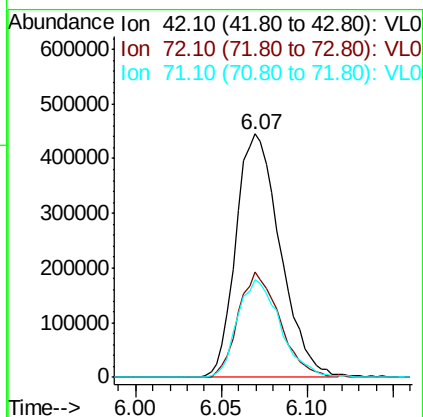
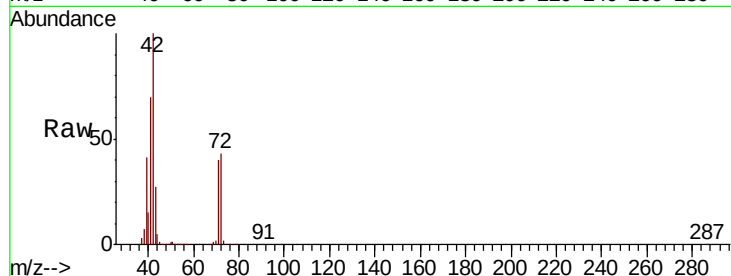




#41
Tetrahydrofuran
Concen: 9.579 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. 0.03 min
Lab File: VL034601.D
Acq: 6 Feb 2020 14:41

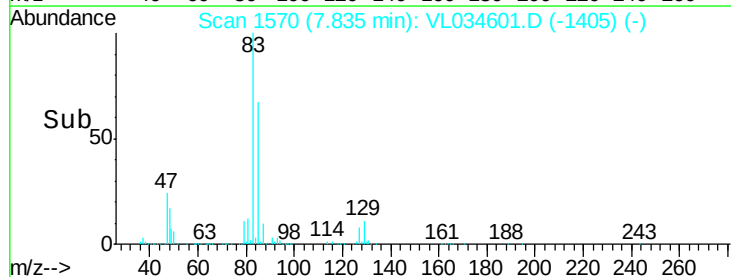
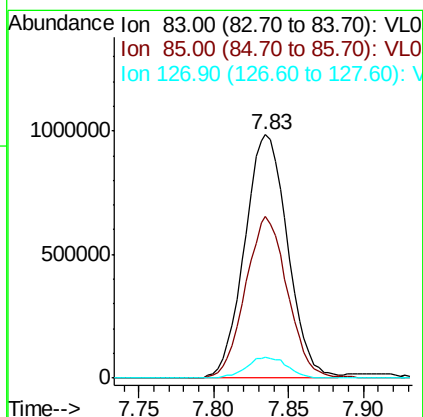
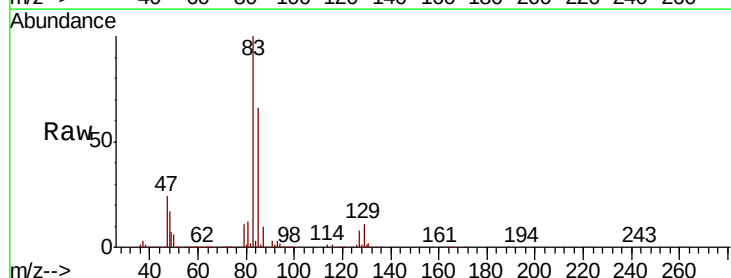
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

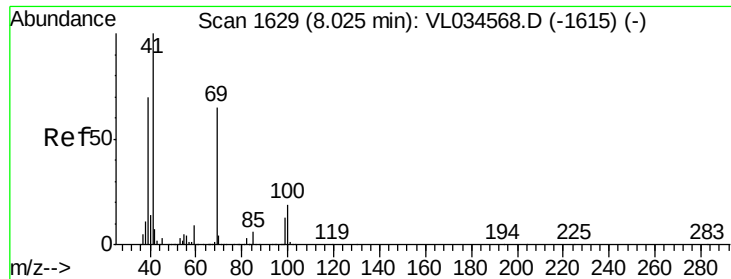
Tot Ion: 42 Resp: 795971
Ion Ratio Lower Upper
42 100
72 40.8 31.8 47.8
71 39.3 30.2 45.4



#42
Bromodichloromethane
Concen: 9.843 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. 0.03 min
Lab File: VL034601.D
Acq: 6 Feb 2020 14:41

Tgt Ion: 83 Resp: 1971973
Ion Ratio Lower Upper
83 100
85 66.4 53.2 79.8
127 8.4 6.5 9.7





#43

Methyl Methacrylate

Concen: 10.500 ppbv

RT: 8.05 min Scan# 1638

Delta R.T. 0.03 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

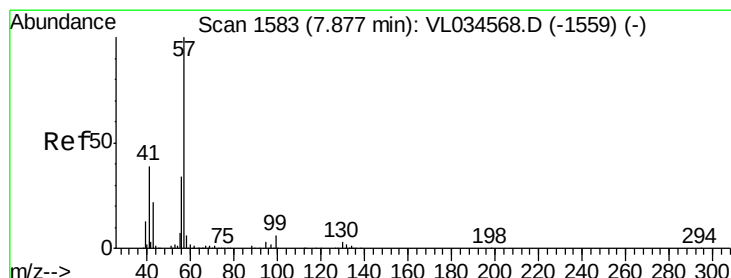
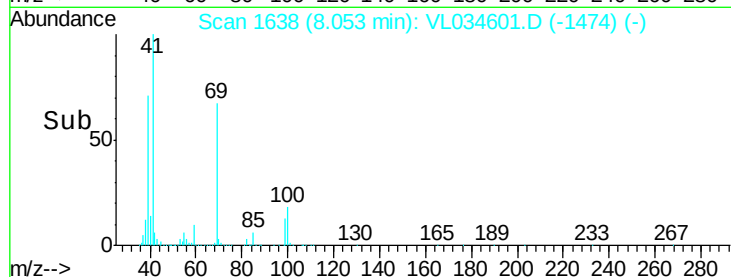
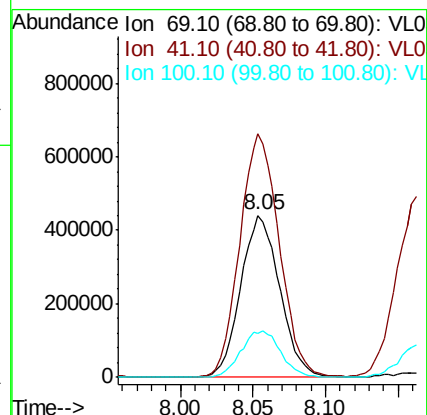
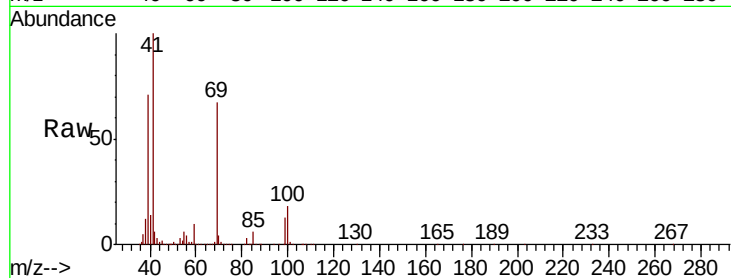
Tot Ion: 69 Resp: 823895

Ion Ratio Lower Upper

69 100

41 152.1 123.9 185.9

100 29.3 24.1 36.1



#44

2,2,4-Trimethylpentane

Concen: 9.655 ppbv

RT: 7.91 min Scan# 1593

Delta R.T. 0.03 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

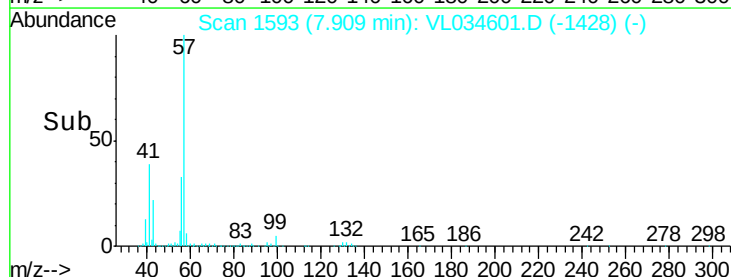
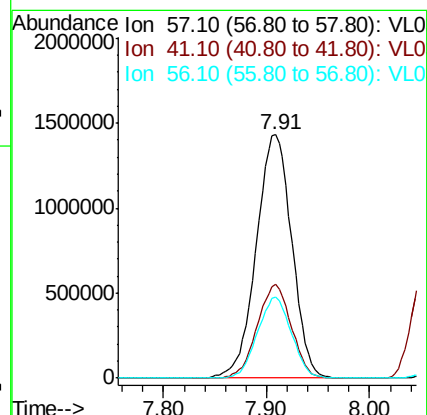
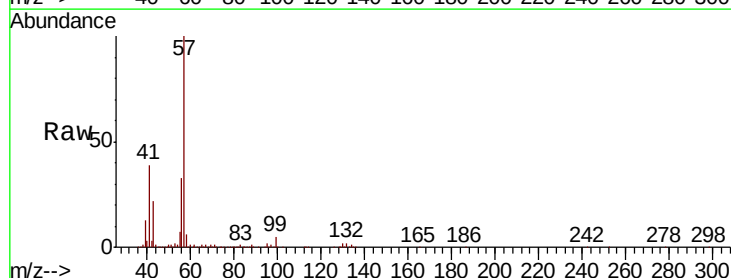
Tgt Ion: 57 Resp: 3417406

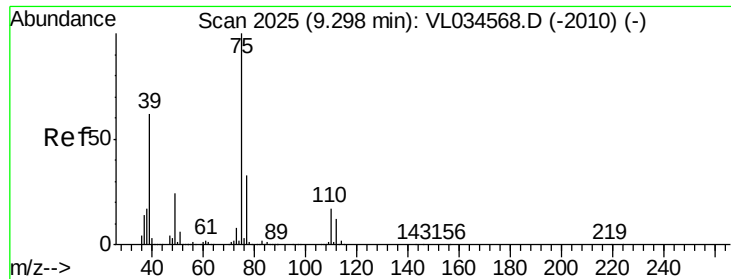
Ion Ratio Lower Upper

57 100

41 37.0 28.9 43.3

56 31.8 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 11.437 ppbv

RT: 9.33 min Scan# 2035

Delta R.T. 0.03 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

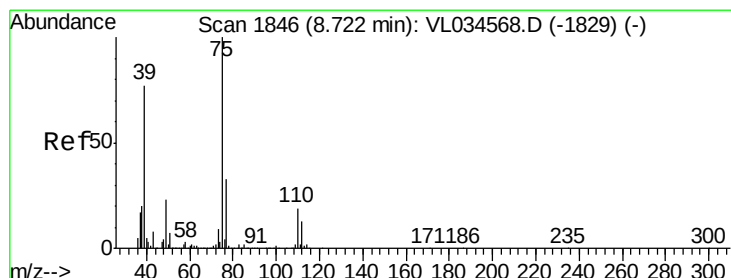
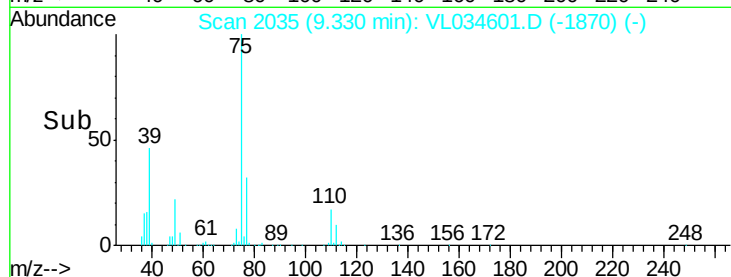
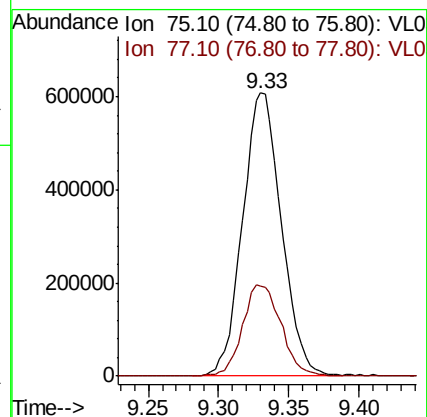
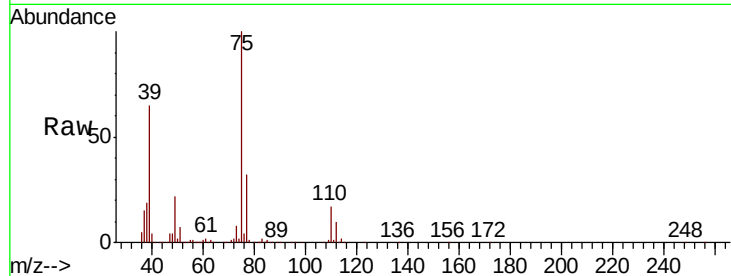
VSTDCCC010

Tot Ion: 75 Resp: 1175114

Ion Ratio Lower Upper

75 100

77 31.8 26.7 40.1



#46

cis-1,3-Dichloropropene

Concen: 10.969 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.03 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

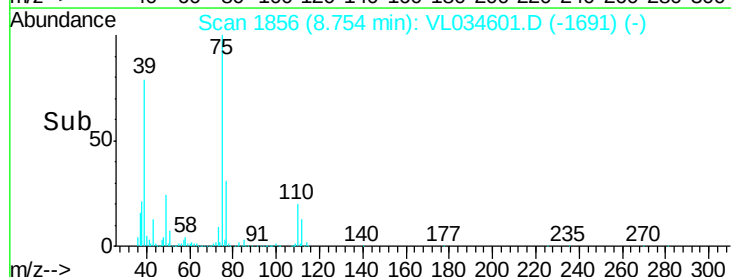
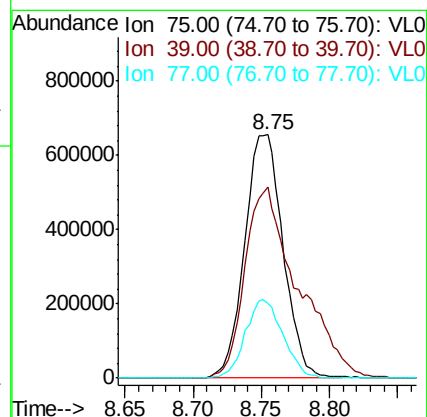
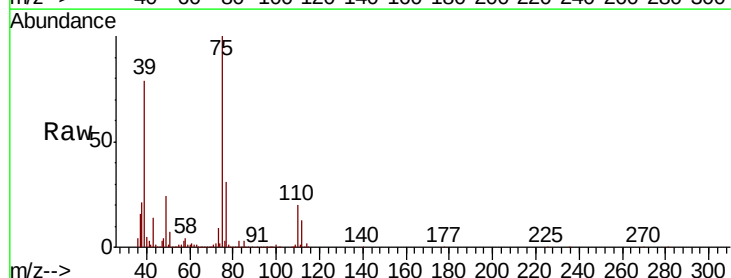
Tgt Ion: 75 Resp: 1280953

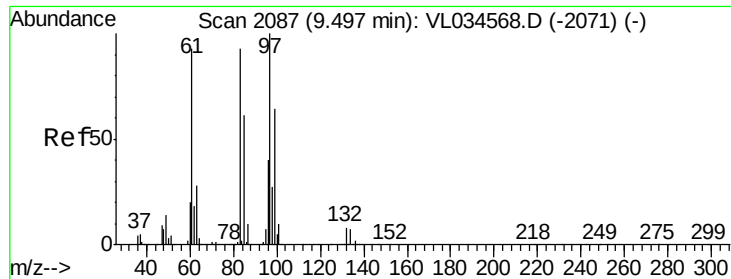
Ion Ratio Lower Upper

75 100

39 78.7 61.9 92.9

77 30.5 26.1 39.1

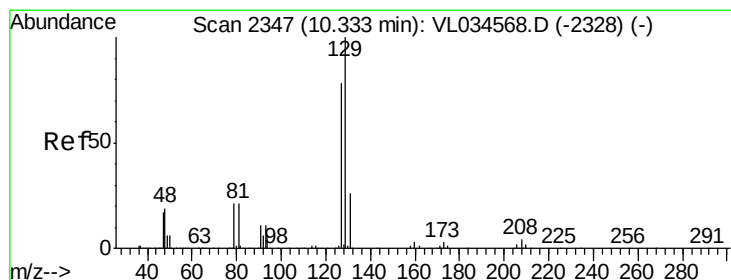
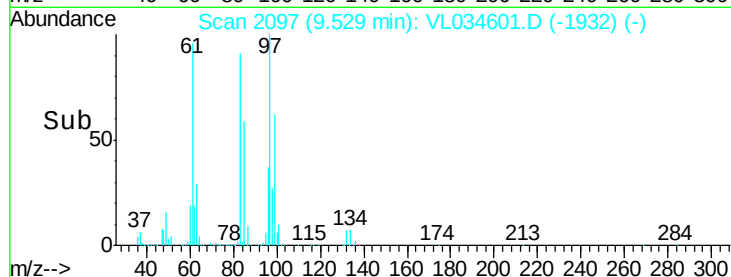
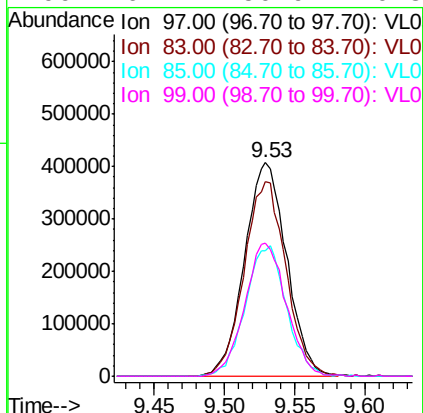
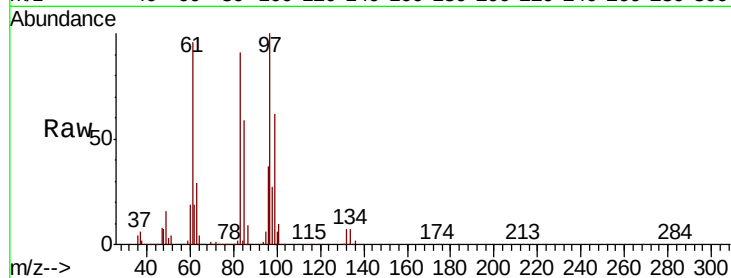




#47
 1,1,2-Trichloroethane
 Concen: 9.704 ppbv
 RT: 9.53 min Scan# 2097
 Delta R.T. 0.03 min
 Lab File: VL034601.D
 Acq: 6 Feb 2020 14:41

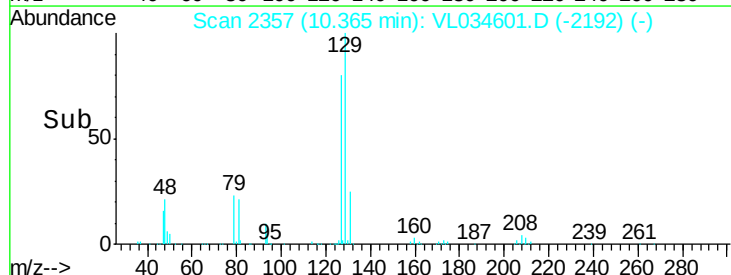
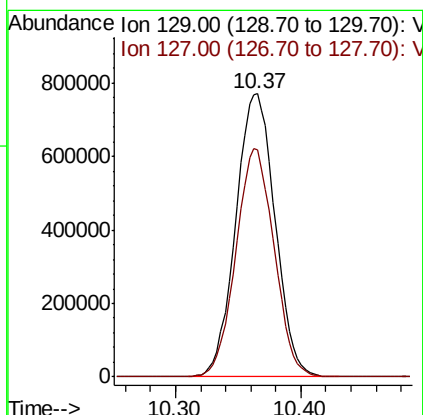
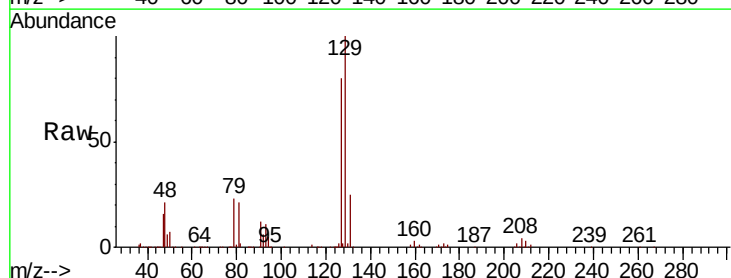
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

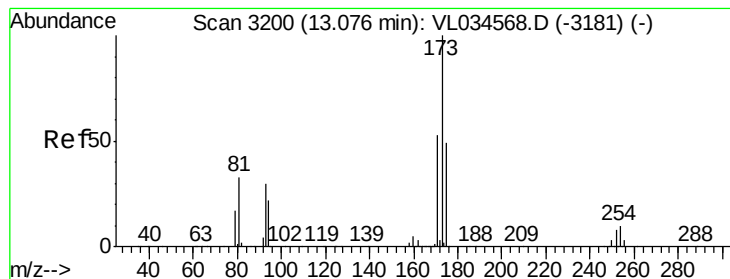
Tot Ion:	97	Resp:	849996
Ion	Ratio	Lower	Upper
97	100		
83	90.9	74.4	111.6
85	58.6	49.2	73.8
99	62.2	50.9	76.3



#48
 Dibromochloromethane
 Concen: 10.437 ppbv
 RT: 10.37 min Scan# 2357
 Delta R.T. 0.03 min
 Lab File: VL034601.D
 Acq: 6 Feb 2020 14:41

Tgt Ion:	129	Resp:	1675376
Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.1	117.2





#49

Bromoform

Concen: 10.780 ppbv

RT: 13.11 min Scan# 3212

Delta R.T. 0.04 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

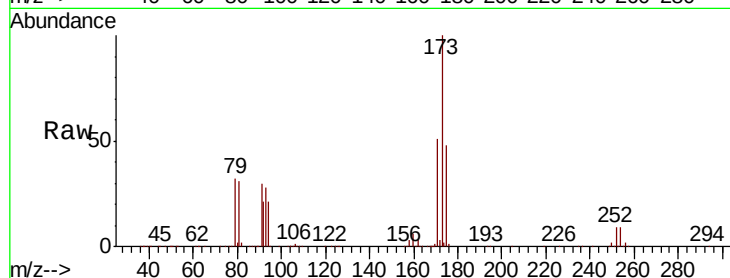
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1519147

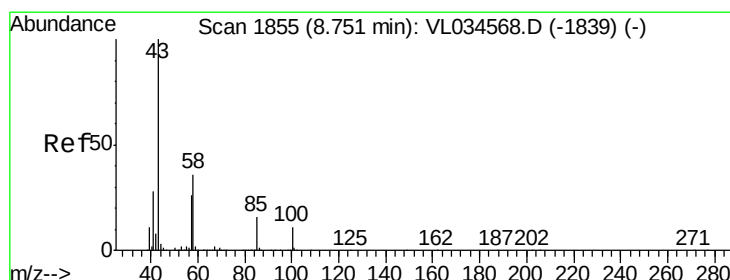
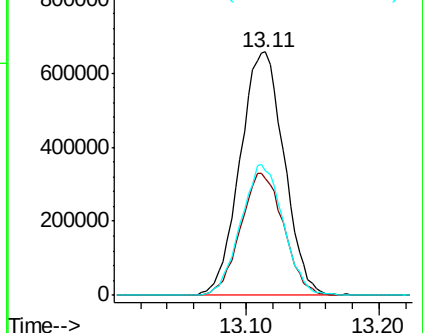
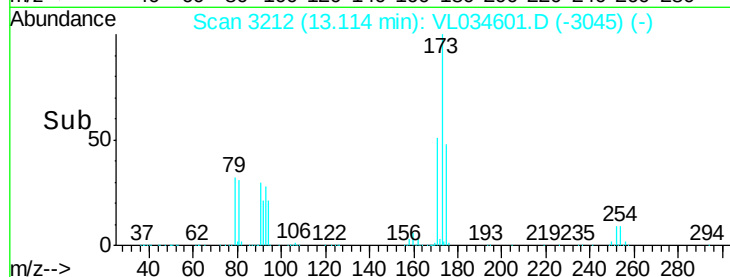
Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.7	59.5
171	52.0	41.6	62.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.939 ppbv

RT: 8.78 min Scan# 1865

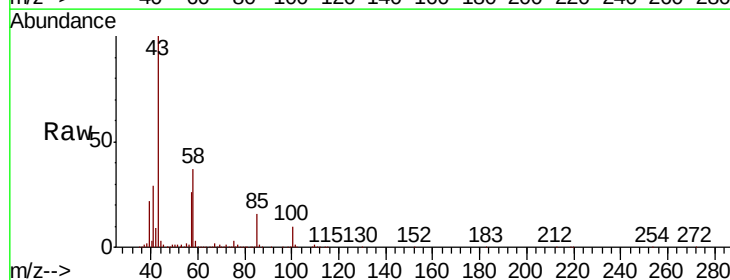
Delta R.T. 0.03 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

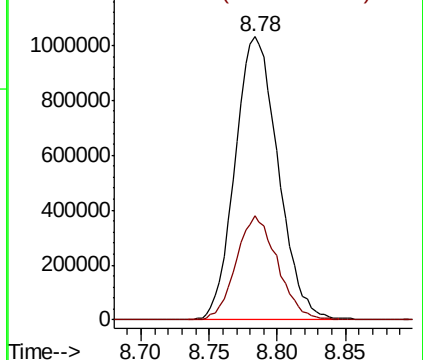
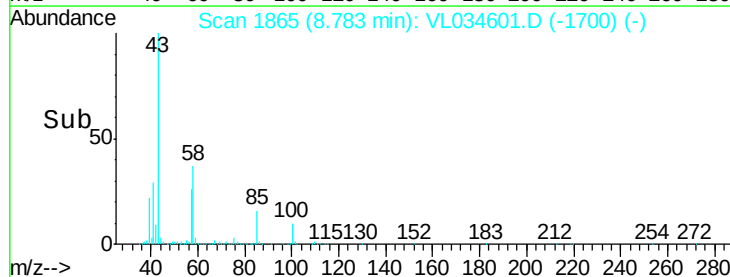
Tgt Ion: 43 Resp: 2257749

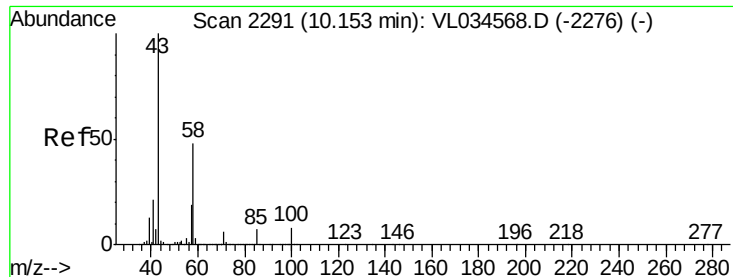
Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.6	43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

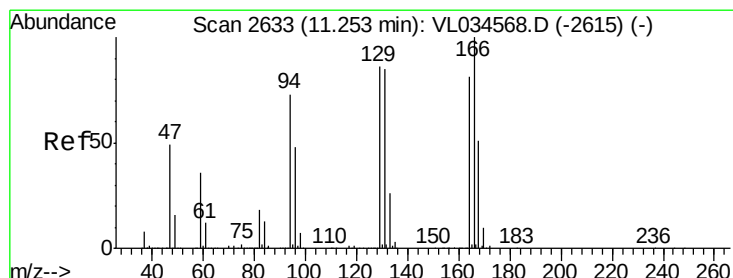
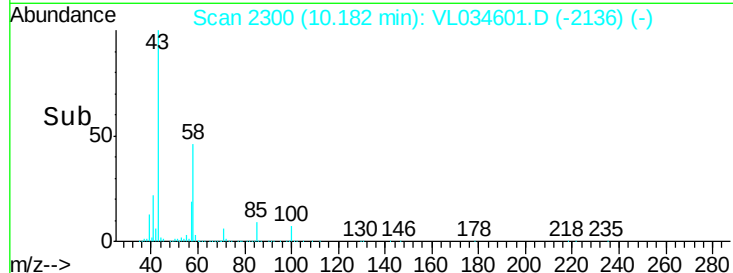
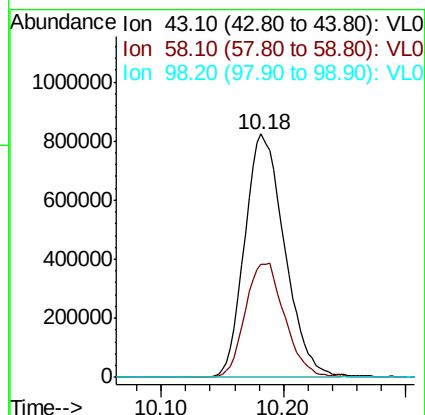
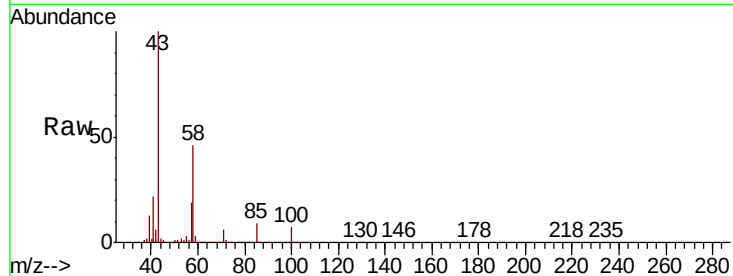




#51
2-Hexanone
Concen: 10.384 ppbv
RT: 10.18 min Scan# 2300
Delta R.T. 0.03 min
Lab File: VL034601.D
Acq: 6 Feb 2020 14:41

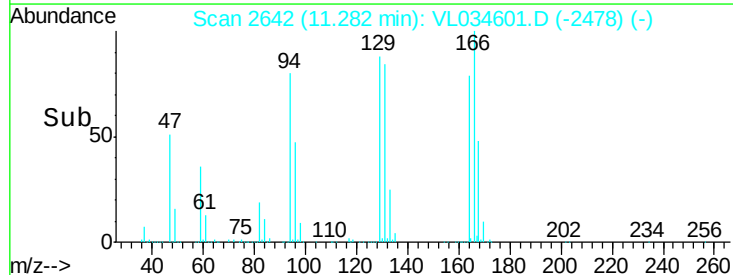
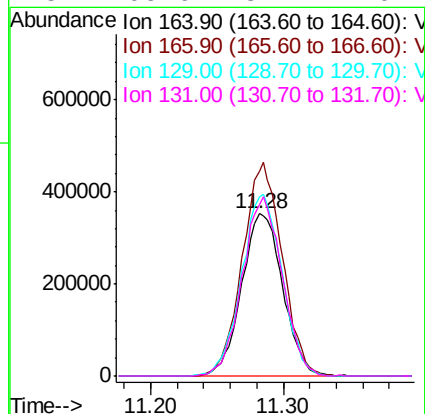
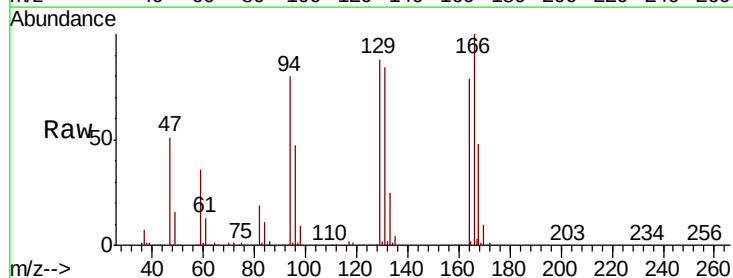
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

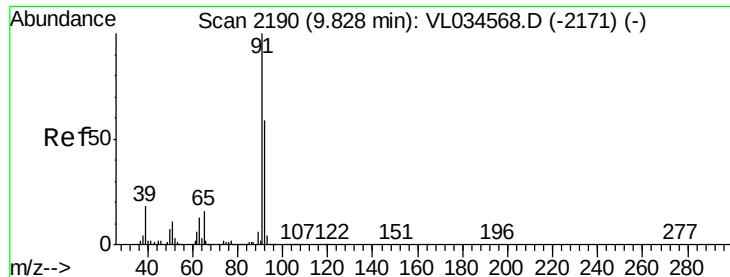
Tot Ion: 43 Resp: 1856894
Ion Ratio Lower Upper
43 100
58 46.5 37.9 56.9
98 0.4 0.3 0.5



#52
Tetrachloroethene
Concen: 9.647 ppbv
RT: 11.28 min Scan# 2642
Delta R.T. 0.03 min
Lab File: VL034601.D
Acq: 6 Feb 2020 14:41

Tgt Ion: 164 Resp: 756042
Ion Ratio Lower Upper
164 100
166 126.3 99.0 148.4
129 110.6 85.3 127.9
131 105.6 84.2 126.2





#53

Toluene

Concen: 10.517 ppbv

RT: 9.86 min Scan# 2200

Delta R.T. 0.03 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

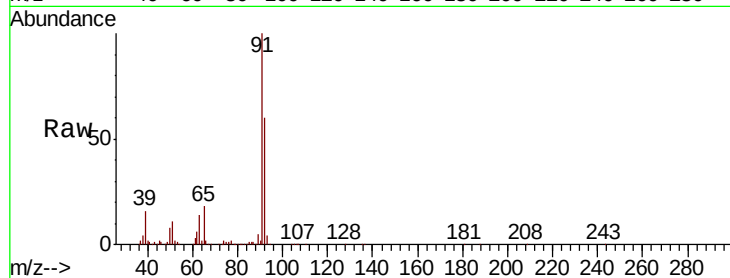
VSTDCCC010

Tot Ion: 91 Resp: 2254006

Ion Ratio Lower Upper

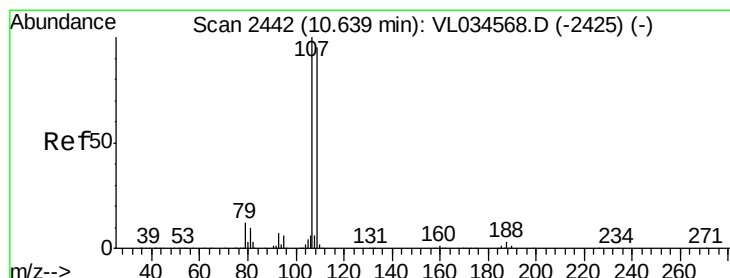
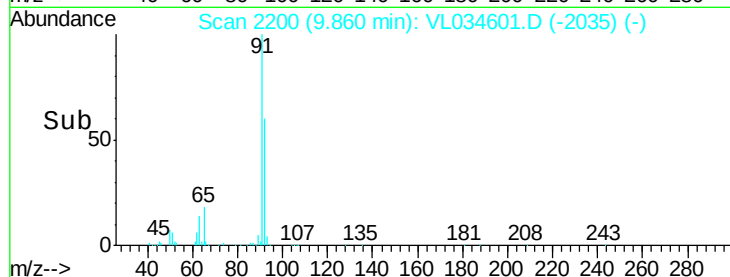
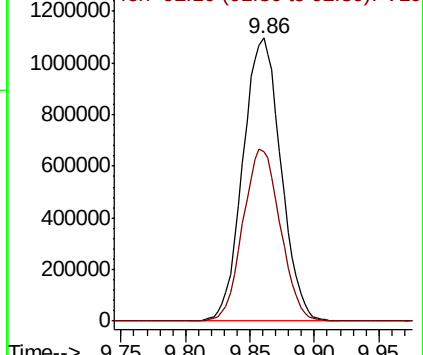
91 100

92 59.7 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.841 ppbv

RT: 10.67 min Scan# 2453

Delta R.T. 0.04 min

Lab File: VL034601.D

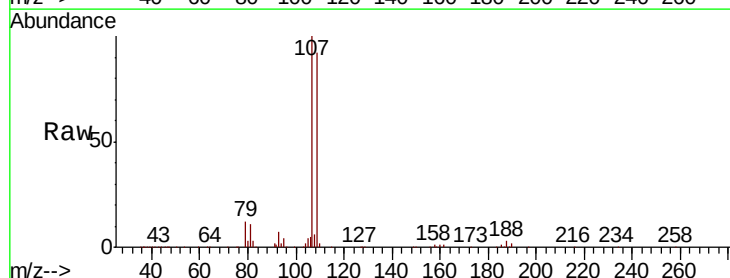
Acq: 6 Feb 2020 14:41

Tgt Ion: 107 Resp: 1291757

Ion Ratio Lower Upper

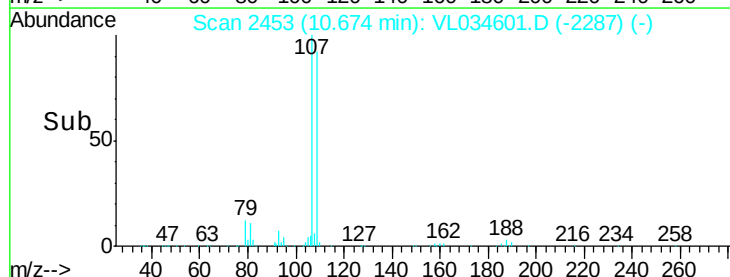
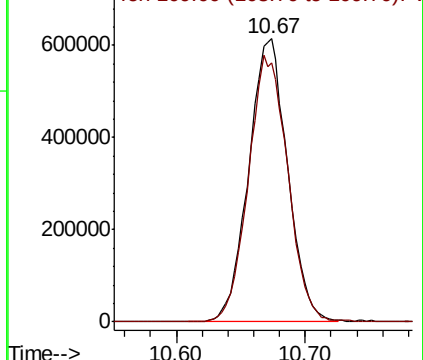
107 100

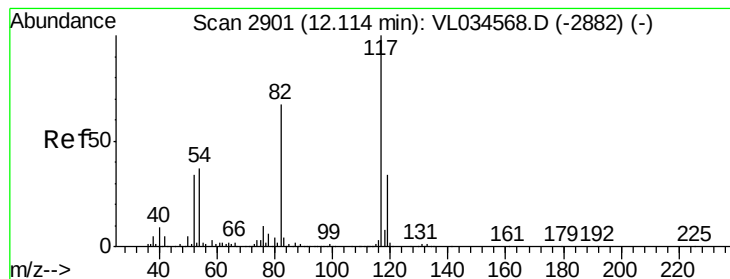
109 91.7 75.9 113.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.15 min Scan# 2913

Delta R.T. 0.04 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

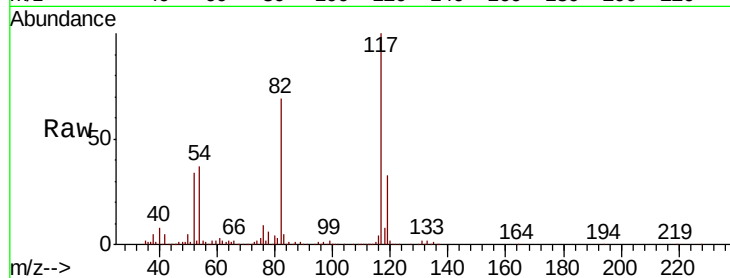
Tot Ion:117 Resp: 2387792

Ion Ratio Lower Upper

117 100

82 66.9 54.2 81.4

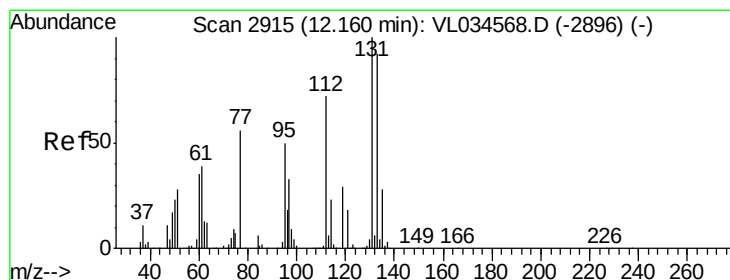
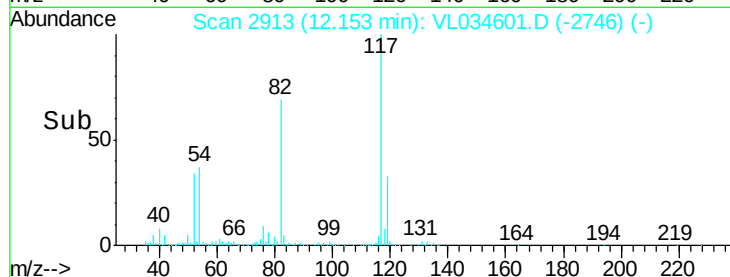
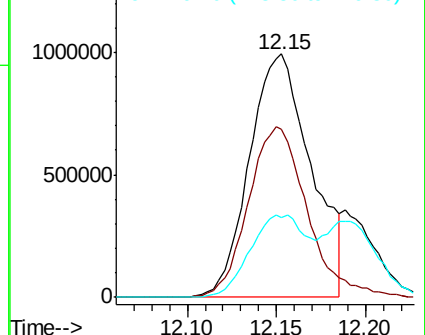
119 31.7 26.1 39.1



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: 9.489 ppbv

RT: 12.19 min Scan# 2925

Delta R.T. 0.03 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

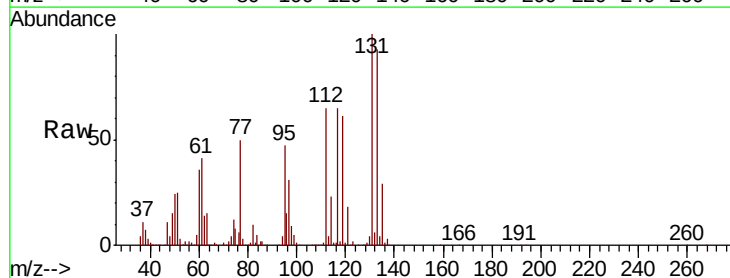
Tgt Ion:131 Resp: 1118660

Ion Ratio Lower Upper

131 100

133 95.1 75.8 113.8

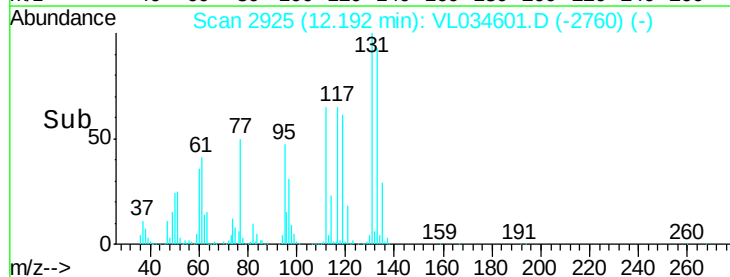
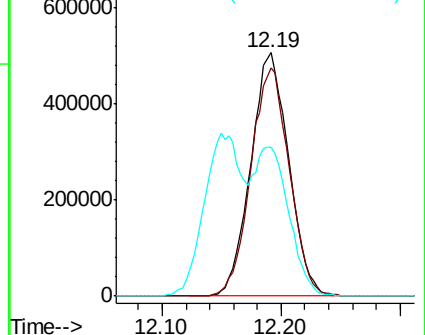
119 61.0 47.0 70.6

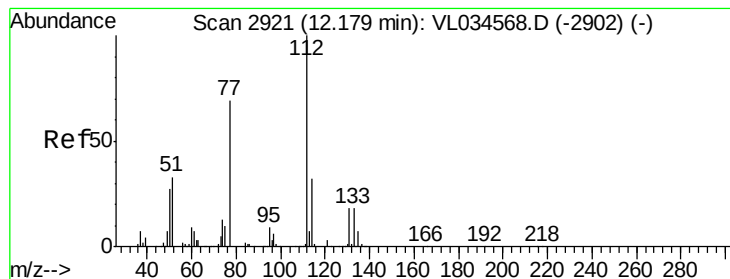


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.155 ppbv

RT: 12.21 min Scan# 2931

Delta R.T. 0.03 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

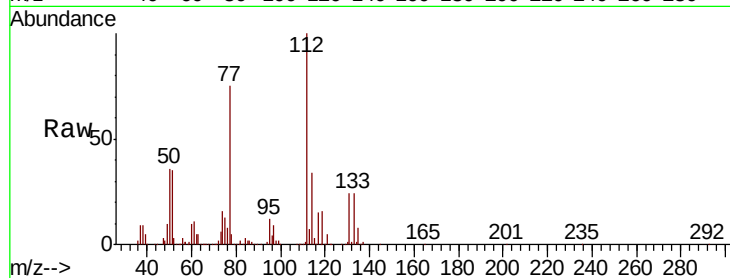
Tot Ion:112 Resp: 1798840

Ion Ratio Lower Upper

112 100

77 74.7 56.5 84.7

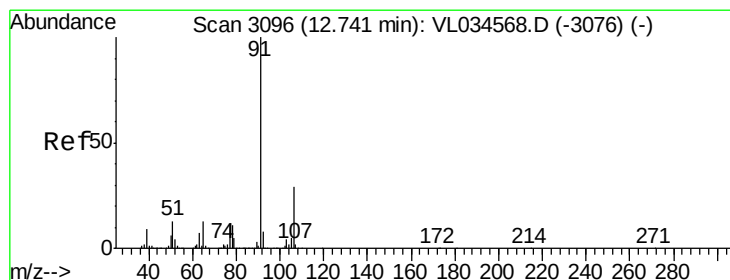
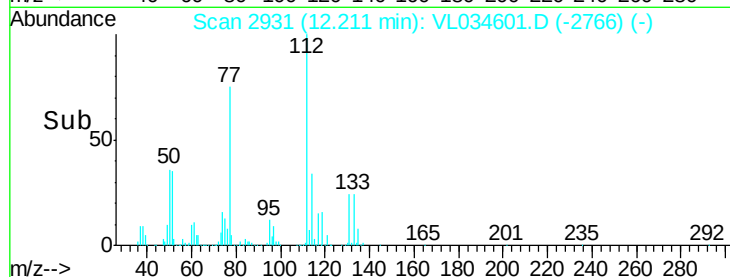
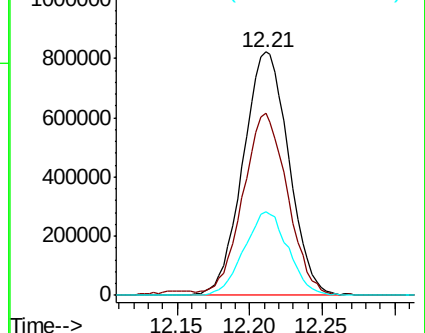
114 34.1 29.2 35.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.862 ppbv m

RT: 12.78 min Scan# 3108

Delta R.T. 0.04 min

Lab File: VL034601.D

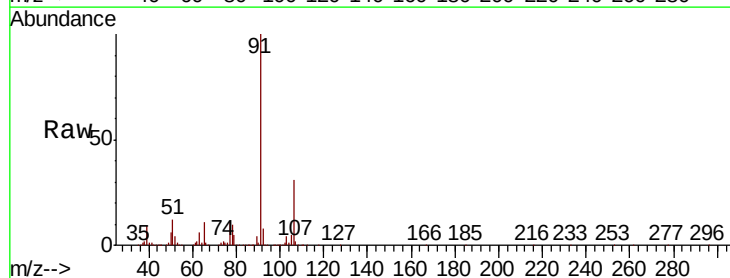
Acq: 6 Feb 2020 14:41

Tgt Ion: 91 Resp: 3151121

Ion Ratio Lower Upper

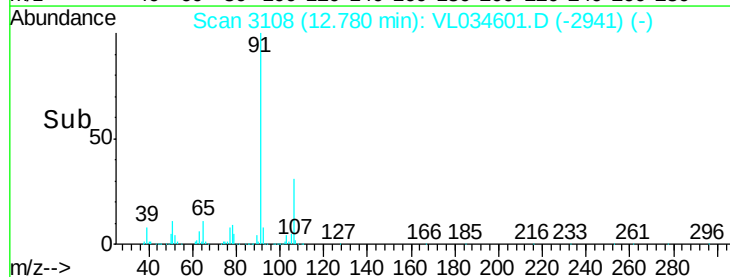
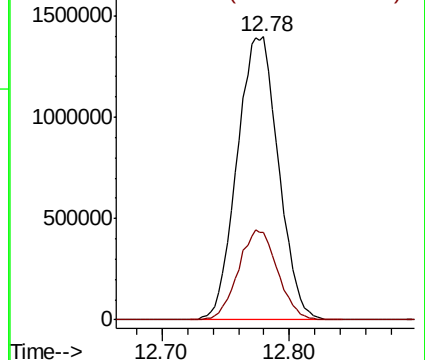
91 100

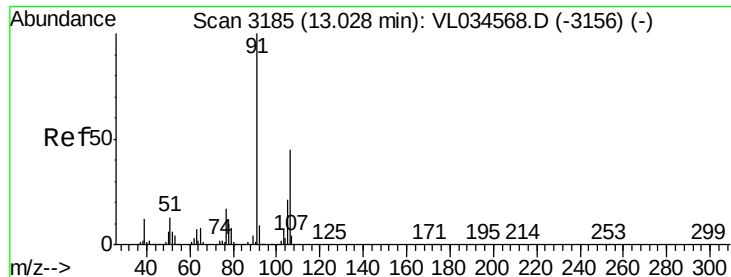
106 31.1 23.3 34.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

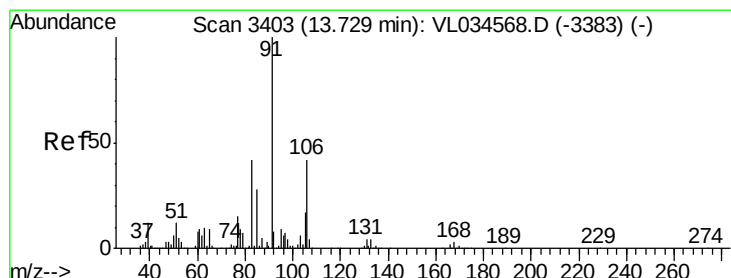
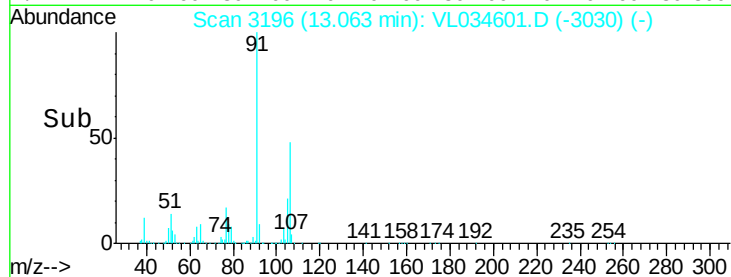
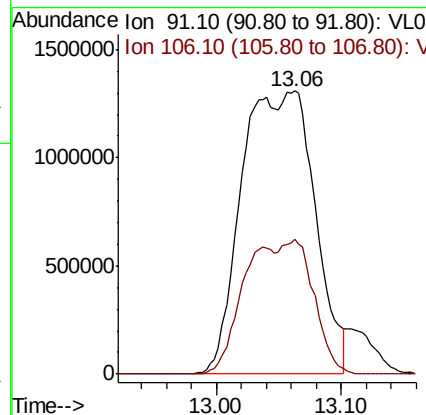
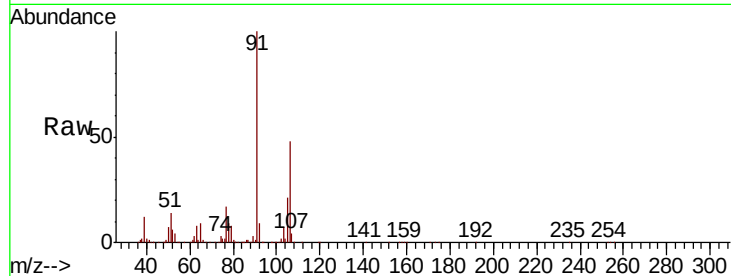




#59
m/p-Xylene
Concen: 18.814 ppbv m
RT: 13.06 min Scan# 3196
Delta R.T. 0.04 min
Lab File: VL034601.D
Acq: 6 Feb 2020 14:41

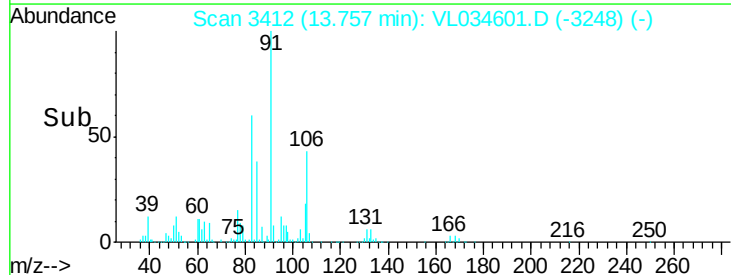
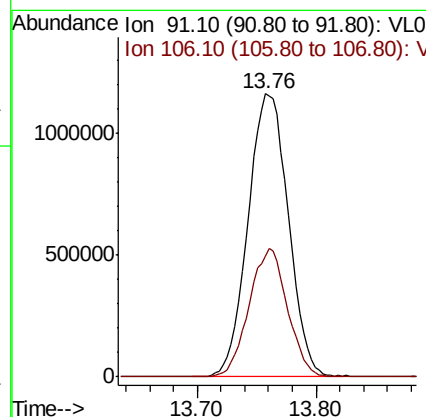
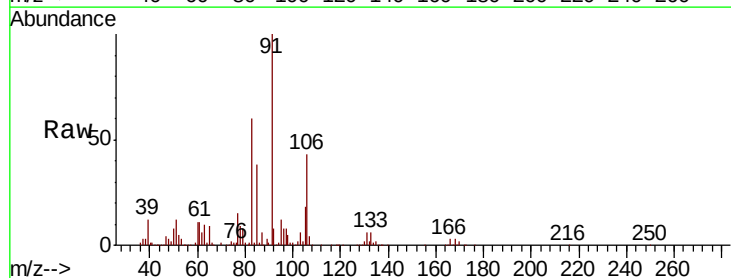
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

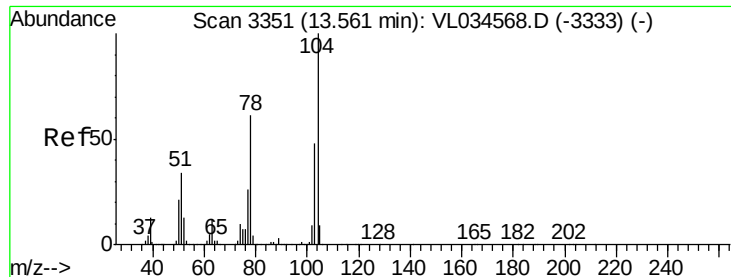
Tot Ion: 91 Resp: 5314068
Ion Ratio Lower Upper
91 100
106 44.7 35.3 52.9



#60
o-Xylene
Concen: 9.624 ppbv
RT: 13.76 min Scan# 3412
Delta R.T. 0.03 min
Lab File: VL034601.D
Acq: 6 Feb 2020 14:41

Tgt Ion: 91 Resp: 2729985
Ion Ratio Lower Upper
91 100
106 43.2 21.6 65.0

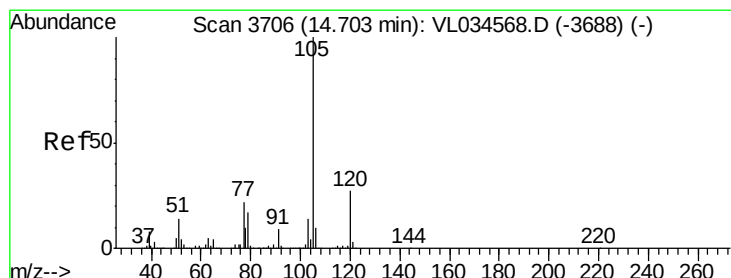
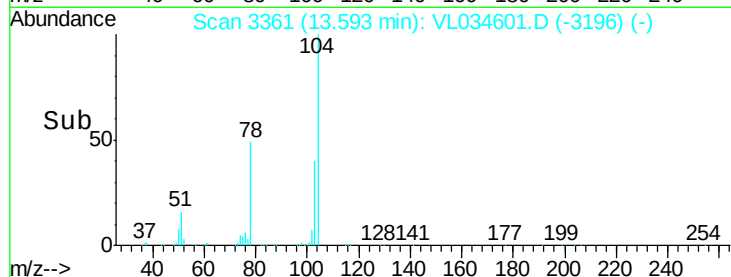
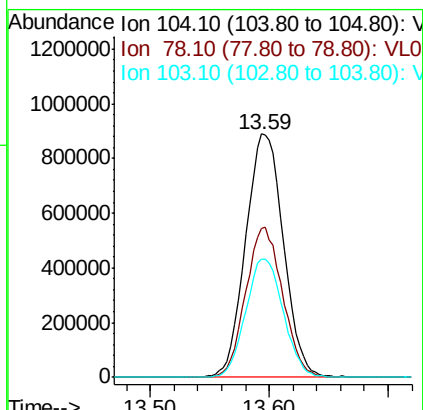
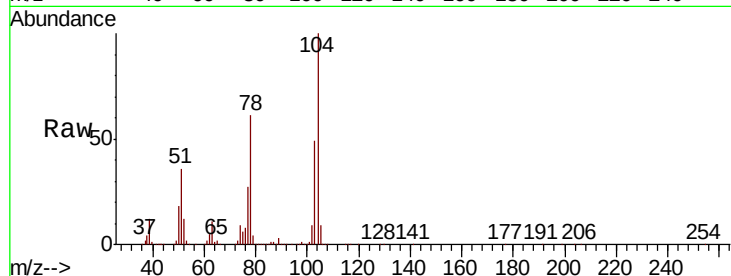




#61
Stvrene
Concen: 10.357 ppbv
RT: 13.59 min Scan# 3361
Delta R.T. 0.03 min
Lab File: VL034601.D
Acq: 6 Feb 2020 14:41

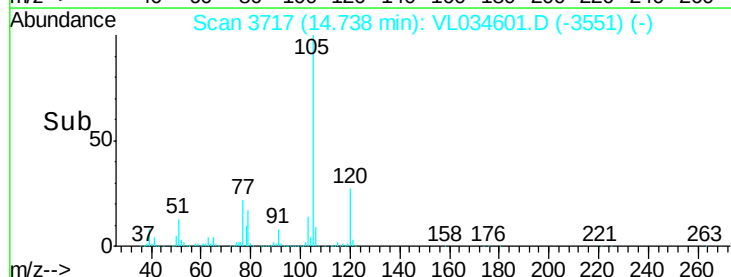
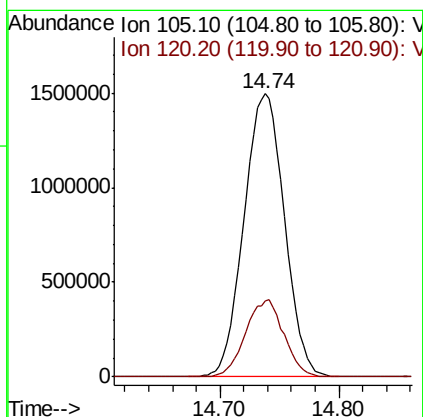
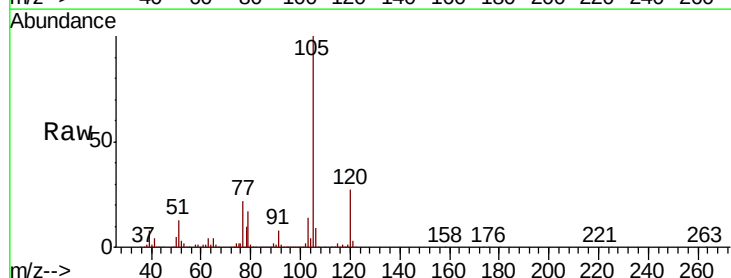
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

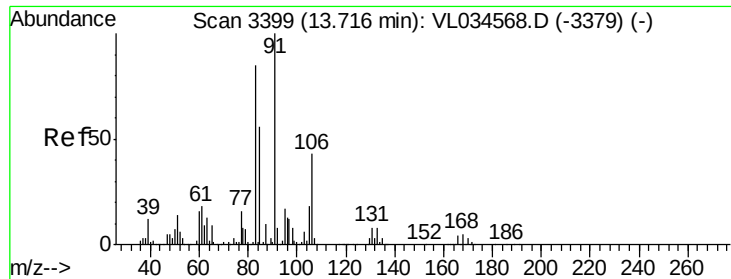
Tot Ion:104 Resp: 1958923
Ion Ratio Lower Upper
104 100
78 60.2 47.0 70.6
103 48.5 38.5 57.7



#62
Isopropylbenzene
Concen: 9.572 ppbv
RT: 14.74 min Scan# 3717
Delta R.T. 0.04 min
Lab File: VL034601.D
Acq: 6 Feb 2020 14:41

Tgt Ion:105 Resp: 3518520
Ion Ratio Lower Upper
105 100
120 25.9 20.7 31.1

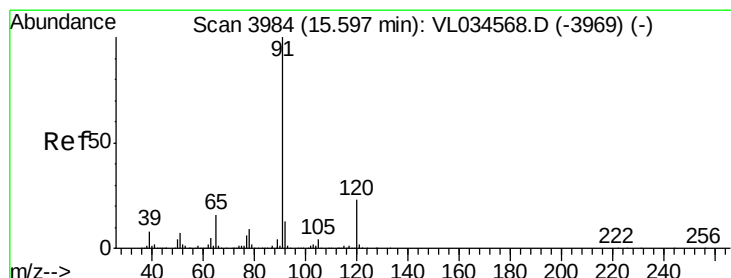
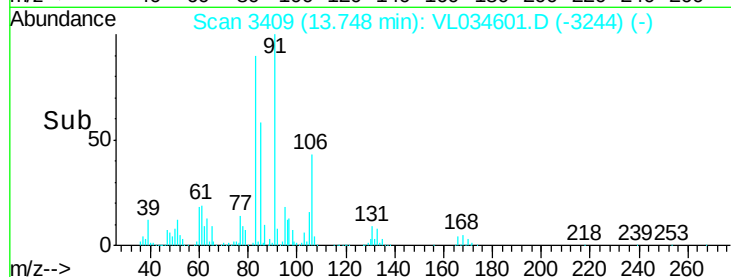
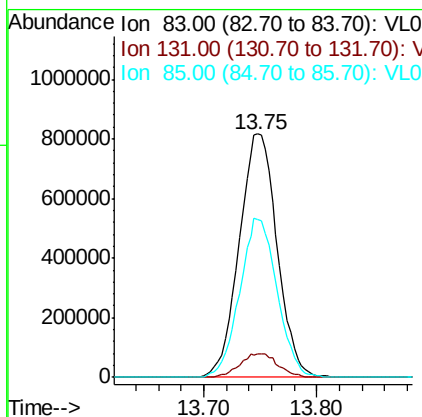
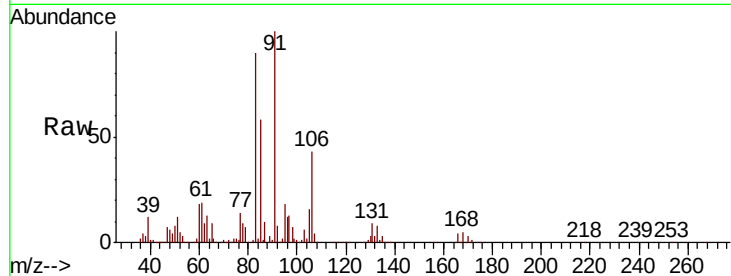




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.657 ppbv
 RT: 13.75 min Scan# 3409
 Delta R.T. 0.03 min
 Lab File: VL034601.D
 Acq: 6 Feb 2020 14:41

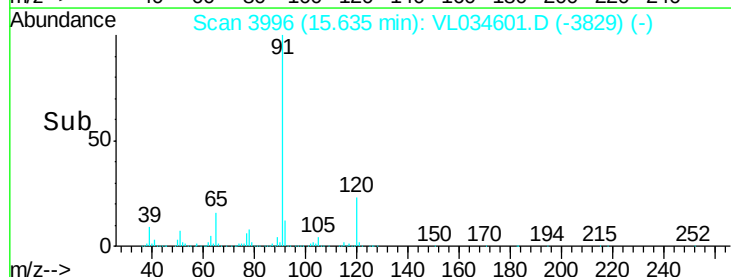
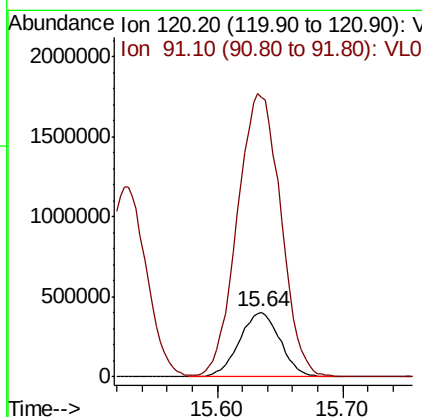
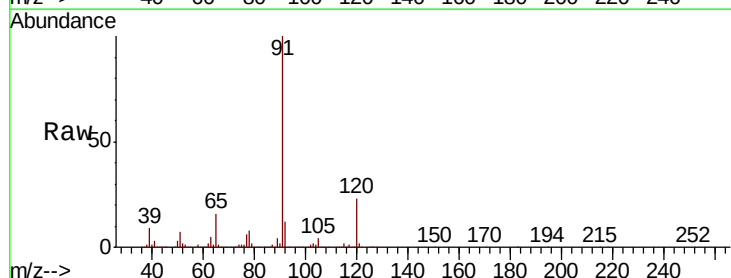
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

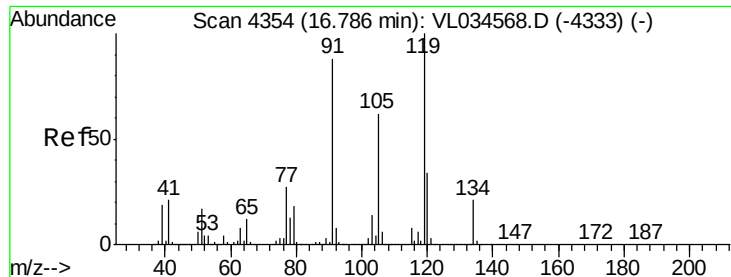
Tot Ion: 83 Resp: 1899168
 Ion Ratio Lower Upper
 83 100
 131 9.9 4.9 14.6
 85 64.6 32.6 98.0



#64
 n-propylbenzene
 Concen: 9.616 ppbv
 RT: 15.64 min Scan# 3996
 Delta R.T. 0.04 min
 Lab File: VL034601.D
 Acq: 6 Feb 2020 14:41

Tgt Ion: 120 Resp: 909434
 Ion Ratio Lower Upper
 120 100
 91 469.1 365.3 547.9

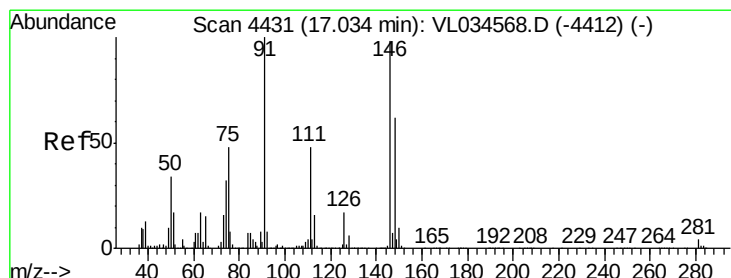
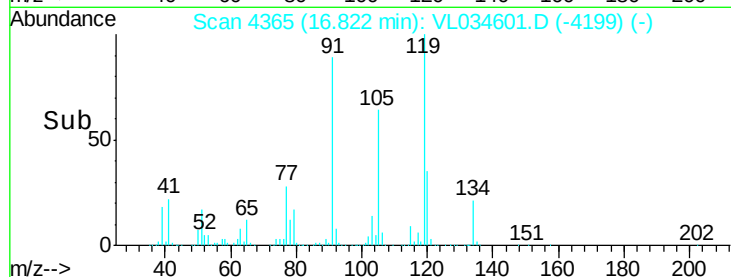
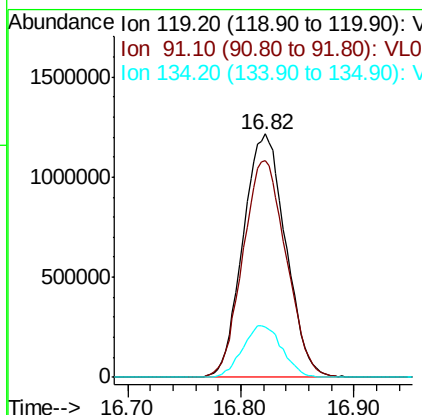
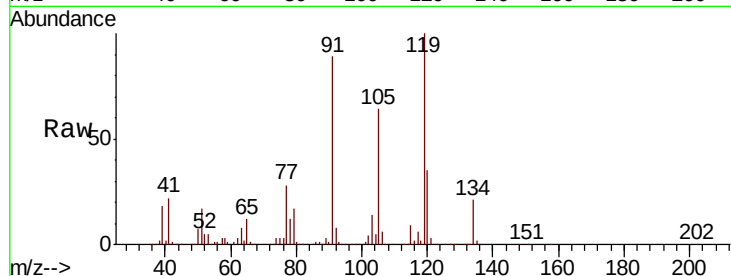




#65
 tert-Butylbenzene
 Concen: 9.549 ppbv
 RT: 16.82 min Scan# 4365
 Delta R.T. 0.04 min
 Lab File: VL034601.D
 Acq: 6 Feb 2020 14:41

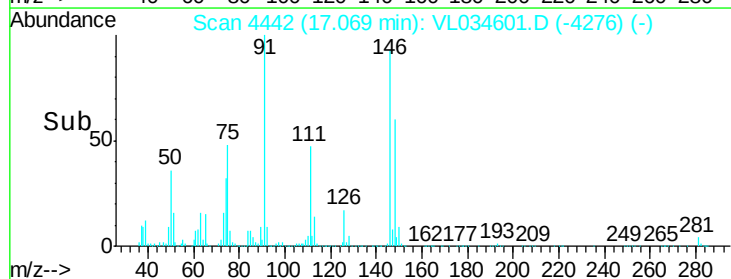
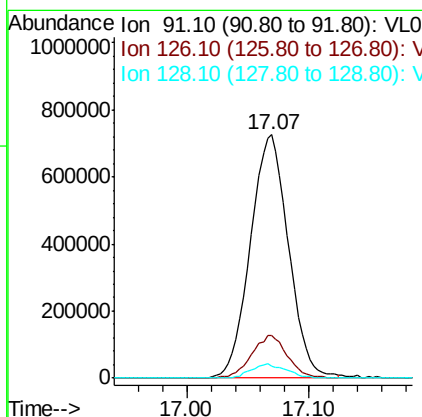
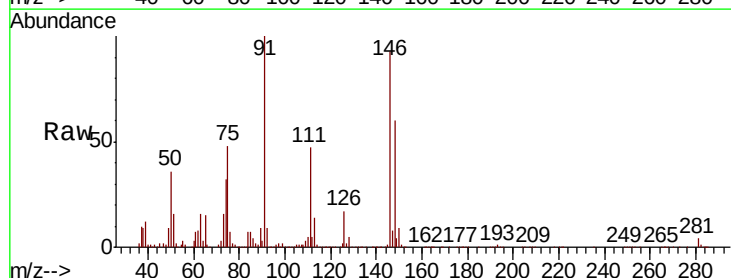
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

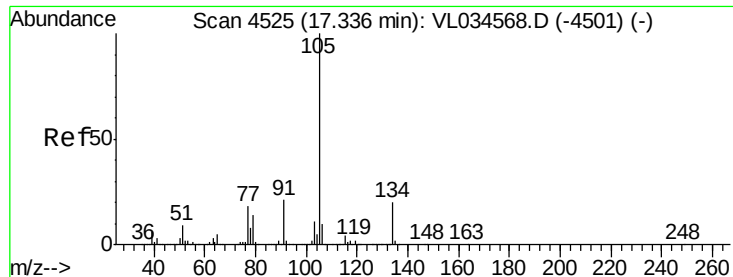
Tot Ion: 119 Resp: 3180171
 Ion Ratio Lower Upper
 119 100
 91 90.5 72.2 108.4
 134 19.7 15.9 23.9



#66
 Benzyl Chloride
 Concen: 11.219 ppbv
 RT: 17.07 min Scan# 4442
 Delta R.T. 0.04 min
 Lab File: VL034601.D
 Acq: 6 Feb 2020 14:41

Tgt Ion: 91 Resp: 1566568
 Ion Ratio Lower Upper
 91 100
 126 16.6 13.4 20.0
 128 5.5 4.3 6.5





#67

sec-Butylbenzene

Concen: 9.356 ppbv

RT: 17.37 min Scan# 4536

Delta R.T. 0.04 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

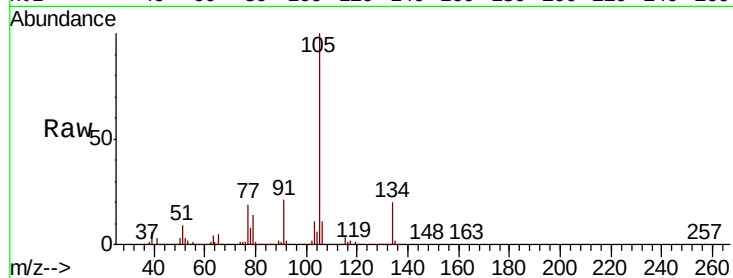
VSTDCCC010

Tot Ion:105 Resp: 4282161

Ion Ratio Lower Upper

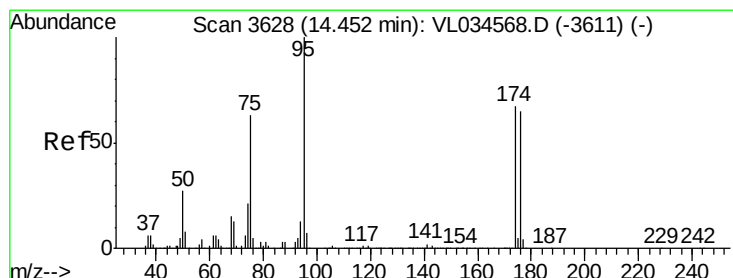
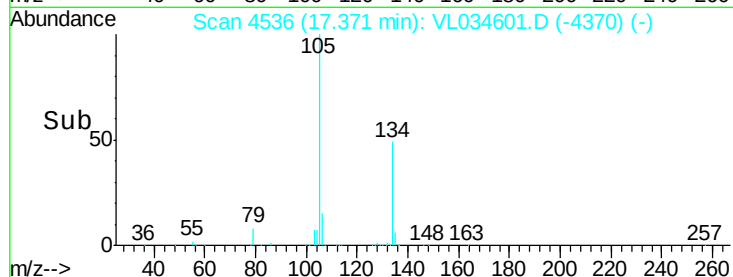
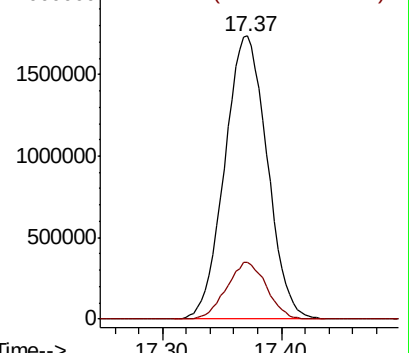
105 100

134 19.1 15.5 23.3



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: 9.860 ppbv

RT: 14.49 min Scan# 3639

Delta R.T. 0.04 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

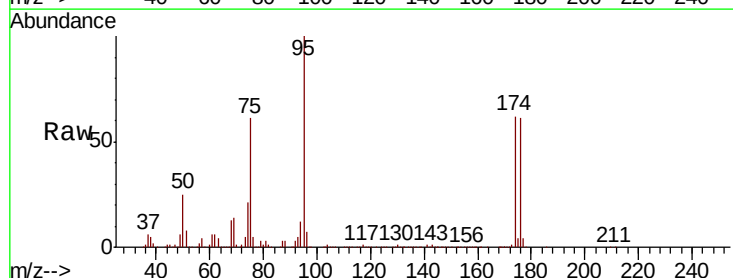
Tgt Ion: 95 Resp: 1989782

Ion Ratio Lower Upper

95 100

174 64.3 52.3 78.5

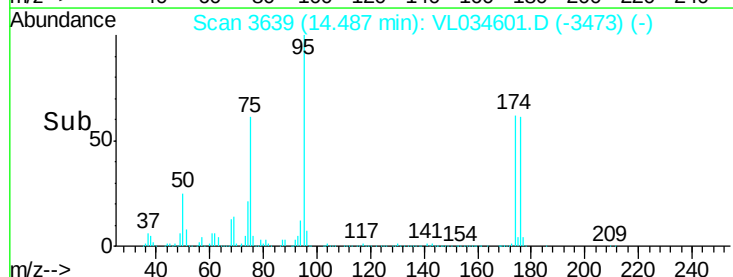
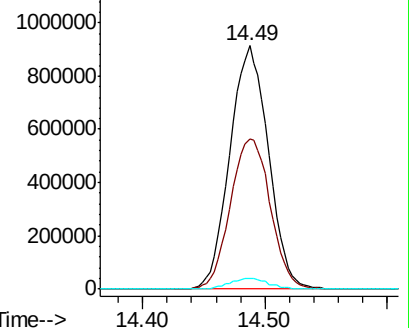
175 4.5 3.8 5.6

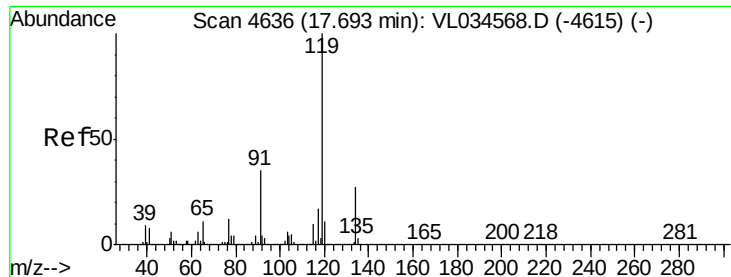


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

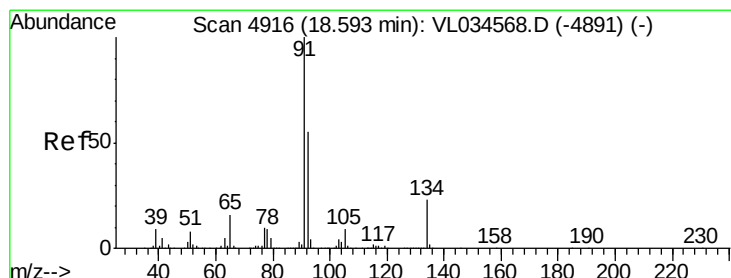
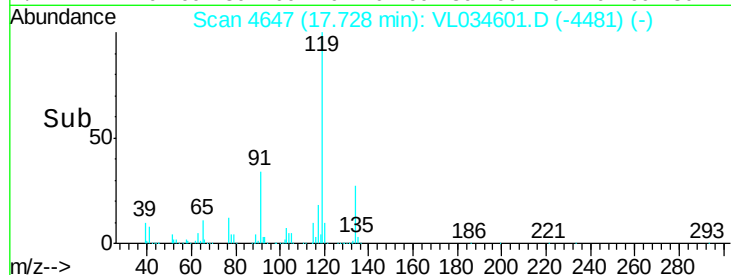
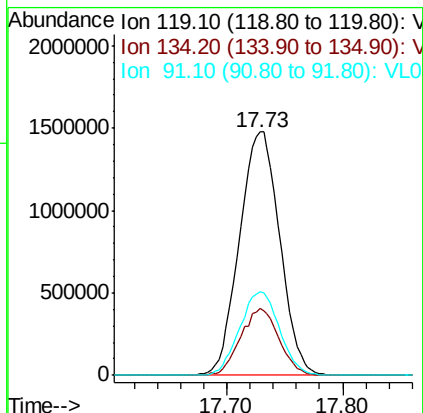
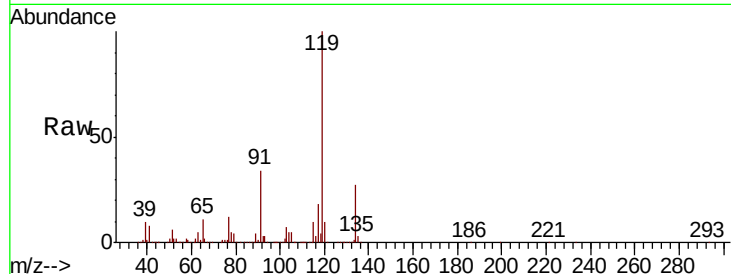




#69
 p-Isopropyltoluene
 Concen: 9.623 ppbv
 RT: 17.73 min Scan# 4647
 Delta R.T. 0.04 min
 Lab File: VL034601.D
 Acq: 6 Feb 2020 14:41

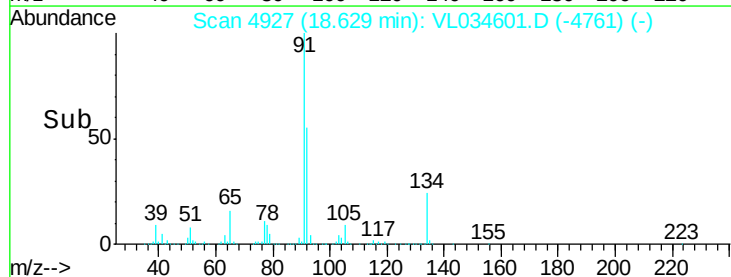
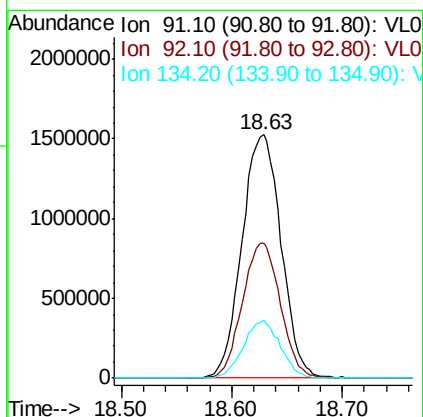
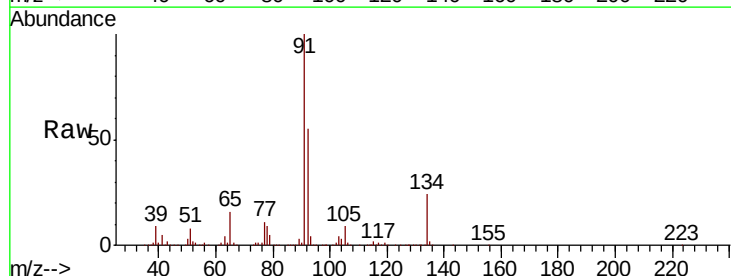
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

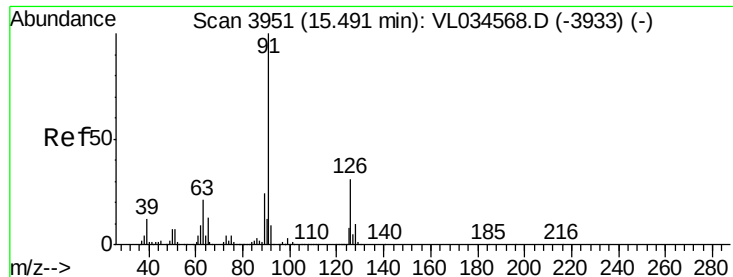
Tot Ion:119 Resp: 3575929
 Ion Ratio Lower Upper
 119 100
 134 26.2 20.7 31.1
 91 33.9 26.9 40.3



#70
 n-Butylbenzene
 Concen: 9.508 ppbv
 RT: 18.63 min Scan# 4927
 Delta R.T. 0.04 min
 Lab File: VL034601.D
 Acq: 6 Feb 2020 14:41

Tgt Ion: 91 Resp: 3750597
 Ion Ratio Lower Upper
 91 100
 92 54.1 43.6 65.4
 134 22.4 18.2 27.4





#71

2-Chlorotoluene

Concen: 9.708 ppbv

RT: 15.53 min Scan# 3962

Delta R.T. 0.04 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

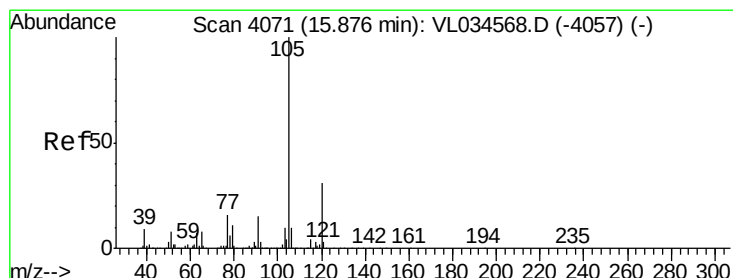
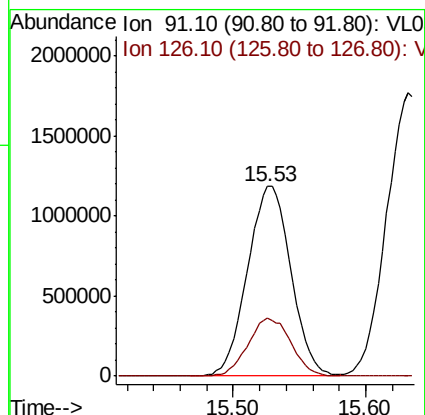
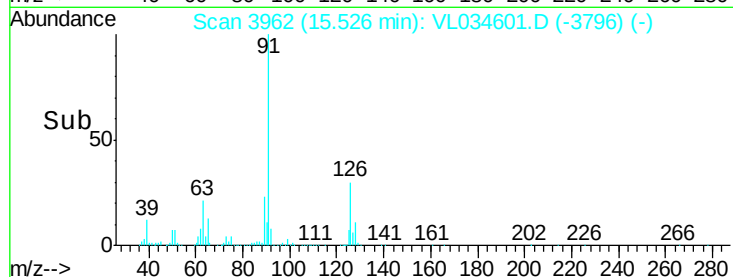
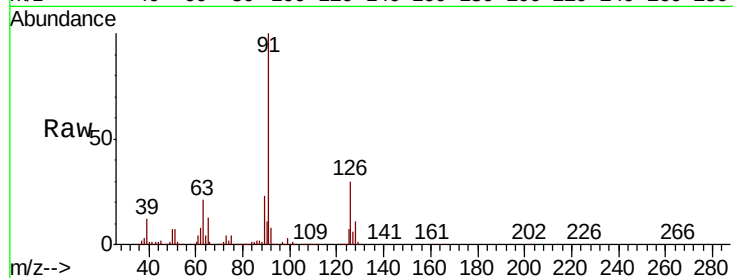
VSTDCCC010

Tot Ion: 91 Resp: 2708764

Ion Ratio Lower Upper

91 100

126 30.3 12.0 47.8



#72

4-Ethyltoluene

Concen: 9.809 ppbv

RT: 15.91 min Scan# 4082

Delta R.T. 0.04 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Tgt Ion:105 Resp: 3056233

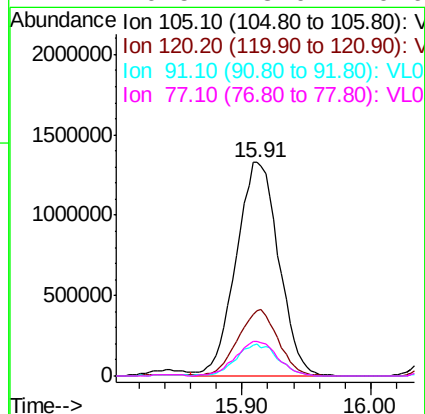
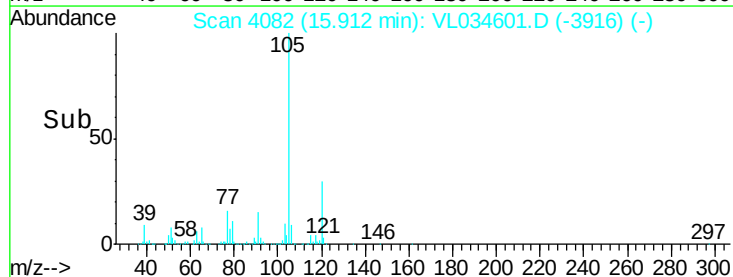
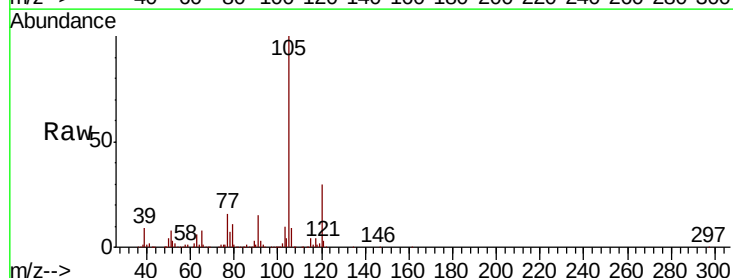
Ion Ratio Lower Upper

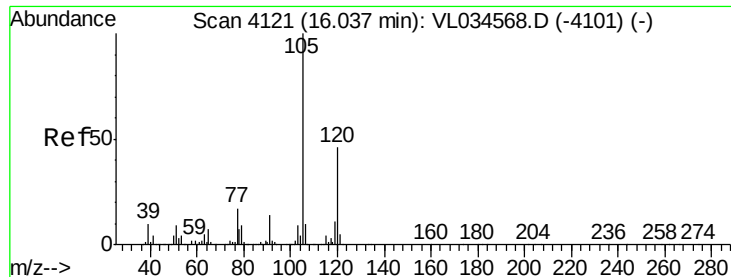
105 100

120 29.4 23.8 35.6

91 14.8 11.8 17.8

77 16.5 13.0 19.6





#73

1,3,5-Trimethylbenzene

Concen: 9.711 ppbv

RT: 16.07 min Scan# 4132

Delta R.T. 0.04 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

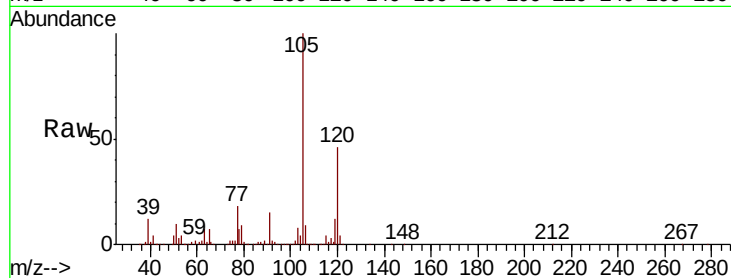
VSTDCCC010

Tot Ion:105 Resp: 2956748

Ion Ratio Lower Upper

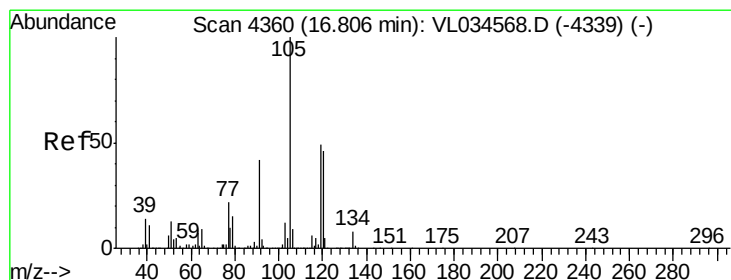
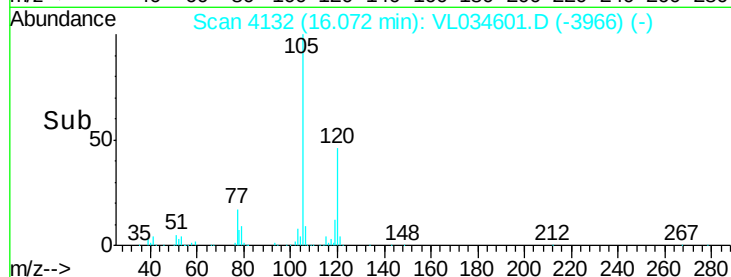
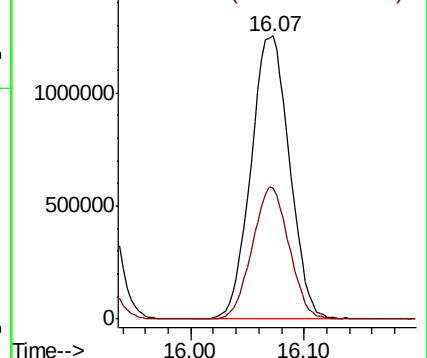
105 100

120 46.3 37.0 55.6



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: 9.284 ppbv

RT: 16.84 min Scan# 4371

Delta R.T. 0.04 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Tgt Ion:105 Resp: 3129065

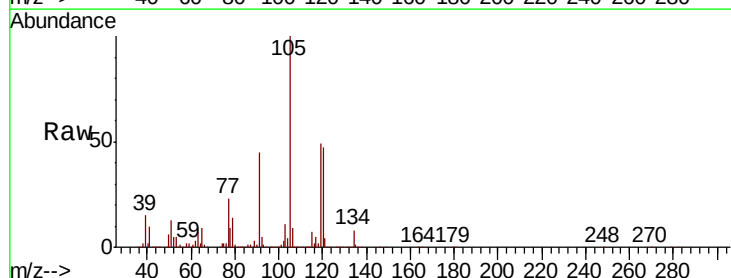
Ion Ratio Lower Upper

105 100

120 46.5 37.1 55.7

91 44.7 34.3 51.5

77 23.2 17.5 26.3

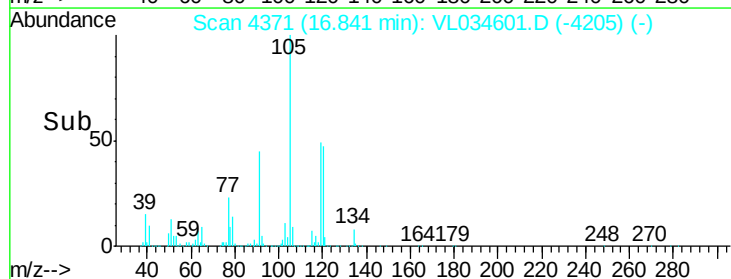
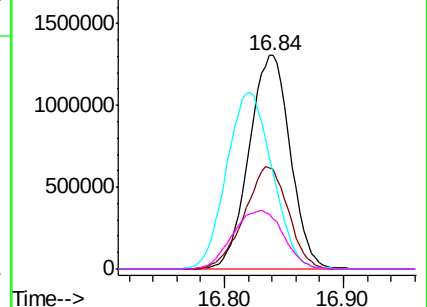


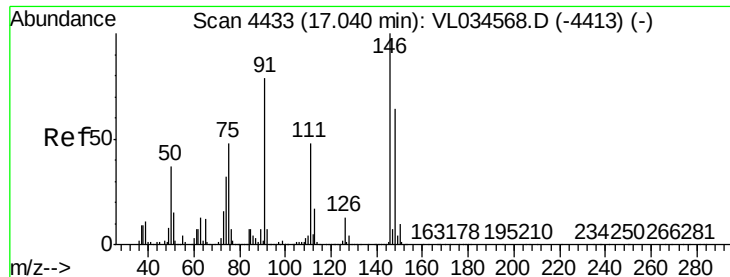
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.947 ppbv

RT: 17.08 min Scan# 4444

Delta R.T. 0.04 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

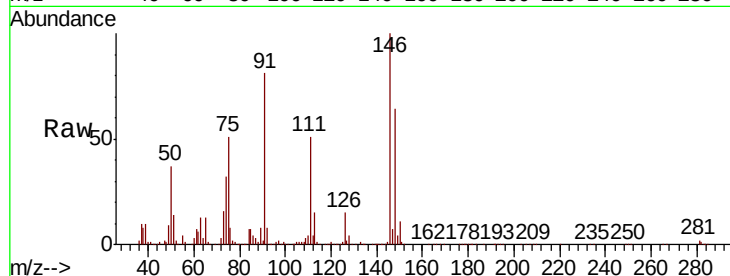
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 1736386

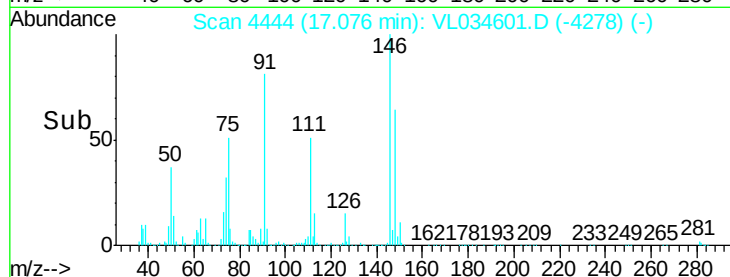
Ion	Ratio	Lower	Upper
146	100		
111	50.2	24.7	74.1
148	64.4	32.8	98.4



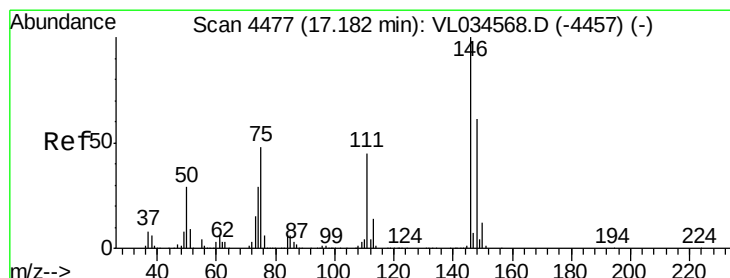
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#76

1,4-Dichlorobenzene

Concen: 8.915 ppbv

RT: 17.22 min Scan# 4488

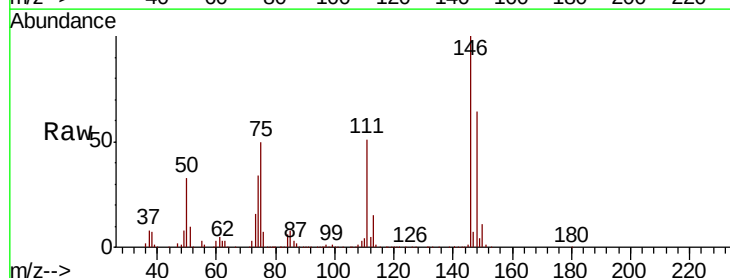
Delta R.T. 0.04 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Tgt Ion:146 Resp: 1705202

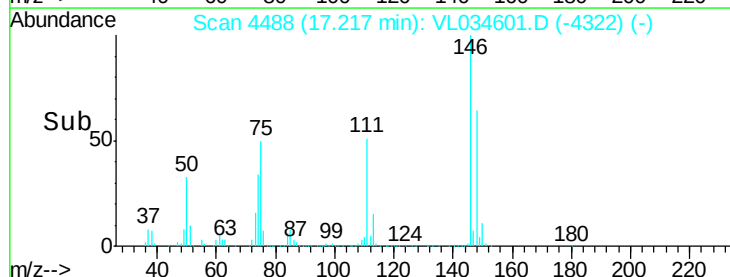
Ion	Ratio	Lower	Upper
146	100		
111	49.0	24.1	72.2
148	65.9	32.6	98.0



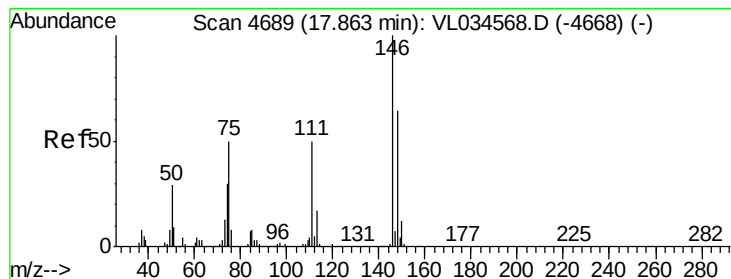
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#77

1,2-Dichlorobenzene

Concen: 8.829 ppbv

RT: 17.90 min Scan# 4700

Delta R.T. 0.04 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

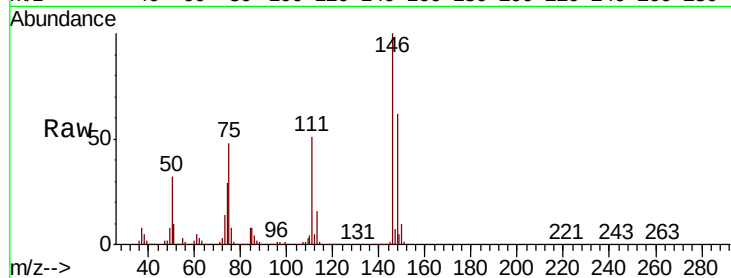
Tot Ion:146 Resp: 1646132

Ion Ratio Lower Upper

146 100

111 50.9 25.1 75.3

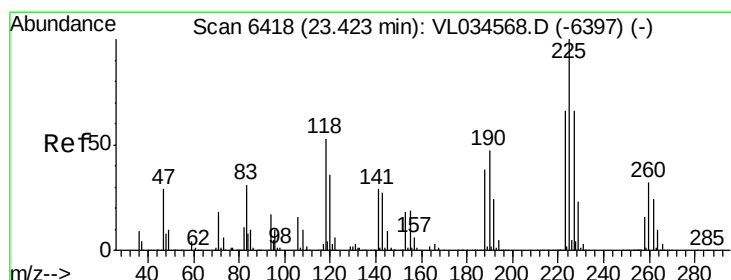
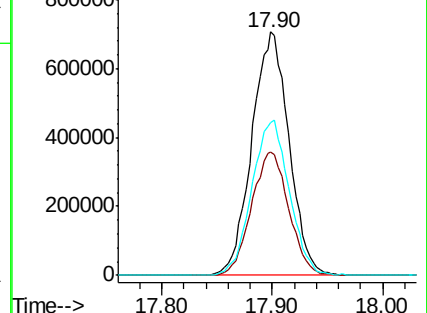
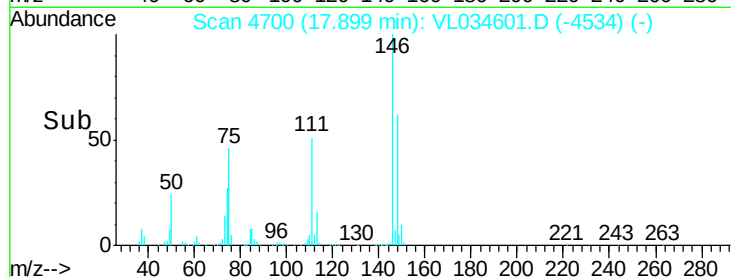
148 64.2 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.305 ppbv

RT: 23.46 min Scan# 6429

Delta R.T. 0.04 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

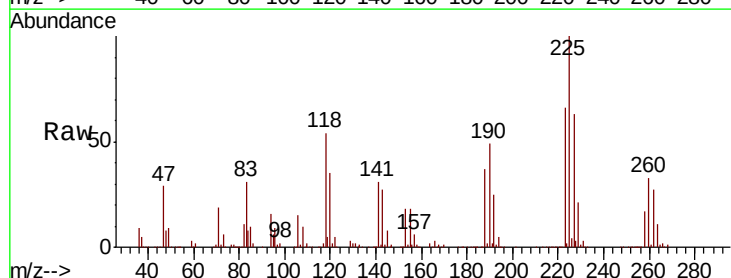
Tgt Ion:225 Resp: 1480606

Ion Ratio Lower Upper

225 100

223 64.3 50.9 76.3

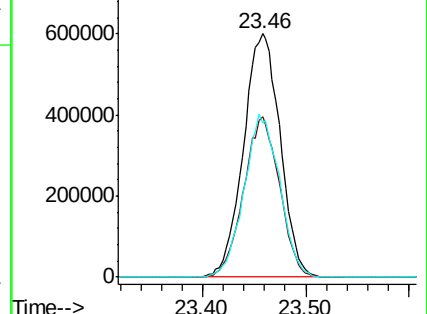
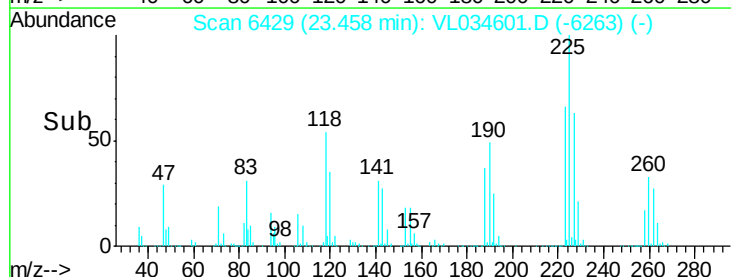
227 64.7 51.6 77.4

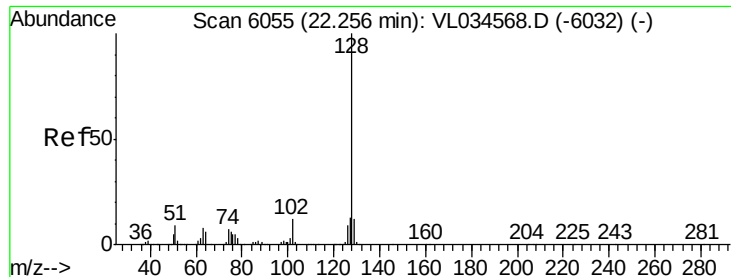


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.838 ppbv

RT: 22.30 min Scan# 6069

Delta R.T. 0.04 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

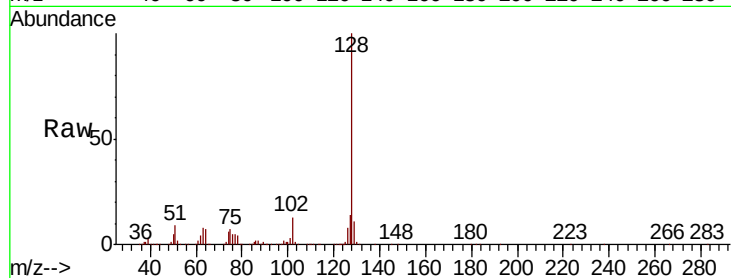
Tot Ion:128 Resp: 2610666

Ion Ratio Lower Upper

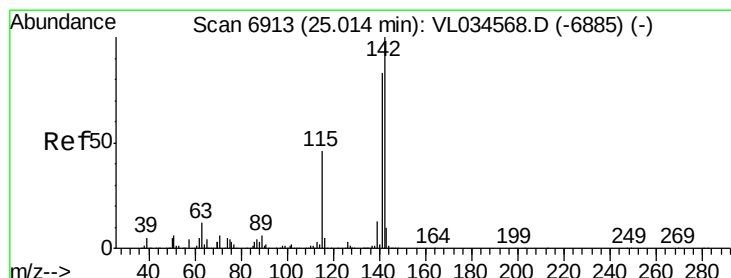
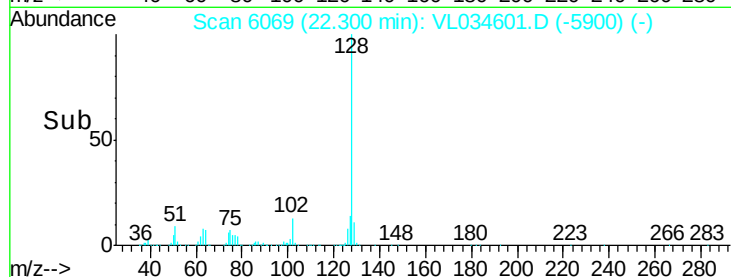
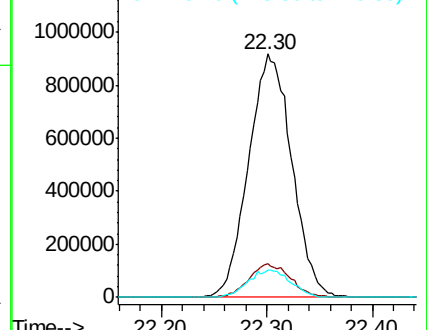
128 100

127 13.7 10.1 15.1

129 11.3 9.3 13.9



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 13.276 ppbv

RT: 25.04 min Scan# 6922

Delta R.T. 0.03 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

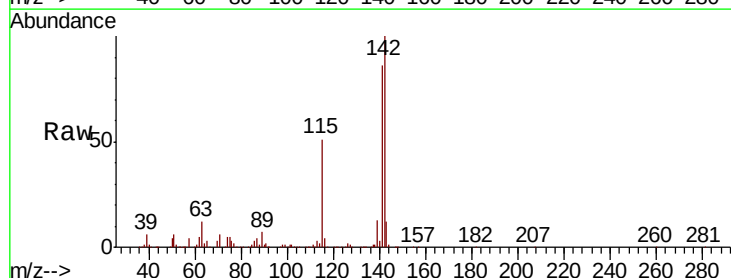
Tgt Ion:142 Resp: 1355254

Ion Ratio Lower Upper

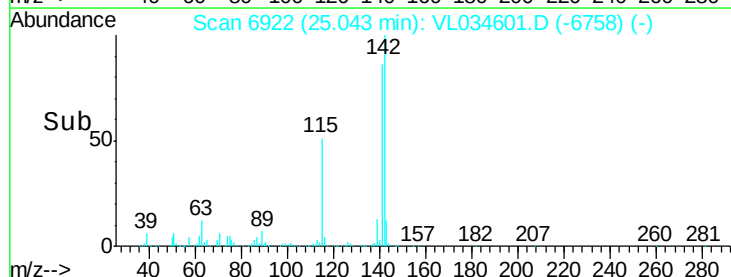
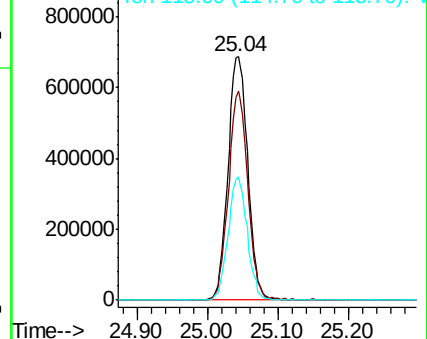
142 100

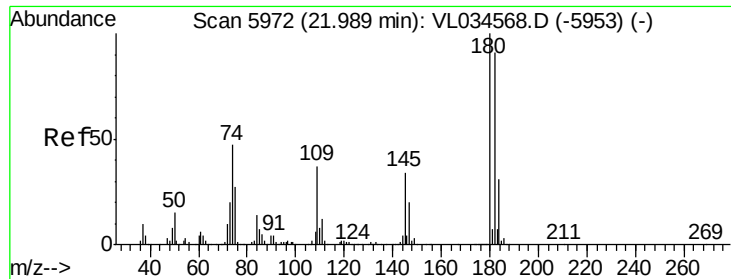
141 83.8 67.0 100.4

115 48.9 39.5 59.3



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 9.581 ppbv

RT: 22.03 min Scan# 5985

Delta R.T. 0.04 min

Lab File: VL034601.D

Acq: 6 Feb 2020 14:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

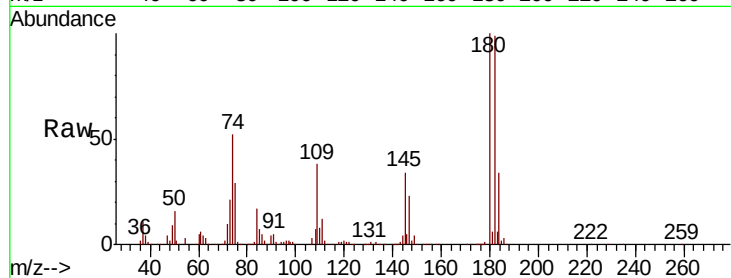
Tot Ion:180 Resp: 1567314

Ion Ratio Lower Upper

180 100

182 98.5 77.8 116.6

184 31.6 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

