

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035514.D
 Acq On : 27 Aug 2020 9:17
 Operator : SY/AP
 Sample : VL0823ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0827ABS01

Quant Time: Aug 28 01:26:02 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	5.68	49	997206	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4469358	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	5738033	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3317073	8.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1405746	8.134	ppbv 100
3) Chlorodifluoromethane	2.99	51	1082150	9.812	ppbv 99
4) Chloromethane	3.14	50	582521	9.859	ppbv 99
5) Vinyl Chloride	3.26	62	682832	9.373	ppbv 100
6) Bromomethane	3.48	94	608966	9.952	ppbv 97
7) Chloroethane	3.56	64	256824	9.972	ppbv 96
8) Dichlorotetrafluoroethane	3.19	85	1983933	9.479	ppbv 100
9) Propene	3.02	41	420620	9.893	ppbv 99
10) Heptane	8.15	43	1161576	10.171	ppbv 100
11) Trichlorofluoromethane	3.96	101	2471389	9.806	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1872448	9.844	ppbv 99
13) Ethanol	3.61	45	97132	9.214	ppbv 98
14) Bromoethene	3.75	108	843114	10.298	ppbv 99
15) Acetone	3.86	43	1005285	9.140	ppbv 100
16) 1,3-Butadiene	3.33	39	416696	10.178	ppbv 99
17) tert-Butyl alcohol	4.30	59	1340844	10.016	ppbv 100
18) 1,1-Dichloroethene	4.30	96	855892	10.218	ppbv 98
19) Isopropyl Alcohol	3.98	45	666635	10.160	ppbv 100
20) Methylene Chloride	4.36	84	677919	8.276	ppbv 98
21) Allyl Chloride	4.42	41	543279	10.544	ppbv 97
22) trans-1,2-Dichloroethene	4.90	96	903045	10.127	ppbv 98
23) Vinyl Acetate	5.09	43	1512429	10.714	ppbv 100
24) 1,1-Dichloroethane	5.02	63	1449315	9.977	ppbv 99
25) Ethyl Acetate	5.70	43	1892447	9.740	ppbv 100
26) Hexane	5.70	57	1074953	9.764	ppbv 100
27) Carbon Disulfide	4.56	76	1781966	11.280	ppbv 100
28) Methyl tert-Butyl Ether	5.05	73	1998929	10.418	ppbv 100
29) Chloroform	5.77	83	2229744	9.941	ppbv 100
30) Cyclohexane	7.15	84	1251079	10.608	ppbv 99
31) cis-1,2-Dichloroethene	5.57	61	1187338	10.512	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	2261187	10.392	ppbv 99
34) 2-Butanone	5.26	43	1330389	10.030	ppbv 100
35) Carbon Tetrachloride	7.04	117	2389380	10.637	ppbv 100
36) Benzene	6.92	78	2880253	9.956	ppbv 100
37) 1,2-Dichloroethane	6.33	62	1363782	9.887	ppbv 100
38) Trichloroethene	7.86	130	1541954	9.176	ppbv 98
39) 1,2-Dichloropropane	7.64	63	963148	9.855	ppbv 98
40) 1,4-Dioxane	7.85	88	505656	10.357	ppbv 93
41) Tetrahydrofuran	6.07	42	753449	10.712	ppbv 100
42) Bromodichloromethane	7.82	83	2383554	10.686	ppbv 99
43) Methyl Methacrylate	8.04	69	1198740	10.716	ppbv 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	3686253	9.684	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	1366535	12.058	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1616359	11.488	ppbv	98
47) 1,1,2-Trichloroethane	9.51	97	1428123	9.903	ppbv	99
48) Dibromochloromethane	10.34	129	2561246	11.285	ppbv	100
49) Bromoform	13.08	173	2455933	11.940	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	1981573	10.317	ppbv	99
51) 2-Hexanone	10.17	43	1722593	10.934	ppbv	100
52) Tetrachloroethene	11.26	164	1648038	9.751	ppbv	99
53) Toluene	9.83	91	3730778	10.255	ppbv	100
54) 1,2-Dibromoethane	10.64	107	2318255	10.174	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1992890	8.536	ppbv	98
57) Chlorobenzene	12.18	112	3232391	7.654	ppbv	100
58) Ethyl Benzene	12.74	91	4915815	8.308	ppbv	99
59) m/p-Xylene	13.03	91	4752378	9.612	ppbv #	50
60) o-Xylene	13.73	91	4025540	8.084	ppbv	100
61) Styrene	13.56	104	3348769	8.793	ppbv	100
62) Isopropylbenzene	14.71	105	6279715	7.851	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	2798103	7.248	ppbv	100
64) n-propylbenzene	15.60	120	2030444	8.318	ppbv	98
65) tert-Butylbenzene	16.79	119	6012987	8.086	ppbv	99
66) Benzyl Chloride	17.03	91	2036682	11.021	ppbv	100
67) sec-Butylbenzene	17.34	105	7816971	7.891	ppbv	99
69) p-Isopropyltoluene	17.70	119	6966843	8.017	ppbv	100
70) n-Butylbenzene	18.59	91	6678205	7.978	ppbv	100
71) 2-Chlorotoluene	15.49	91	4773569	8.195	ppbv	100
72) 4-Ethyltoluene	15.88	105	5284858	8.348	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	4856385	8.294	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	5072714	7.889	ppbv	97
75) 1,3-Dichlorobenzene	17.04	146	3761074	7.896	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	3784779	8.057	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	3680384	7.975	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	2391919	8.119	ppbv	99
79) Naphthalene	22.25	128	6305700	8.838	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	2527998	10.381	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	3621722	8.476	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

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VL0827ABS01

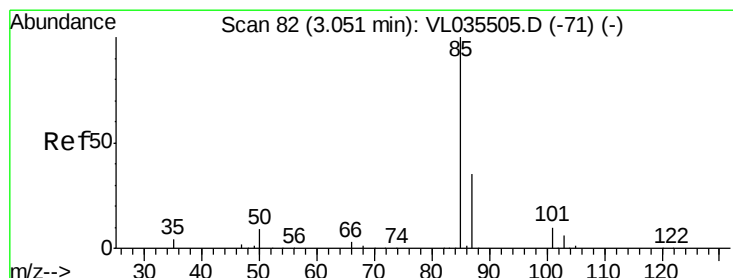
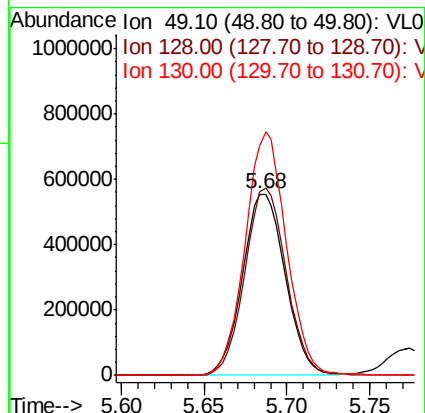
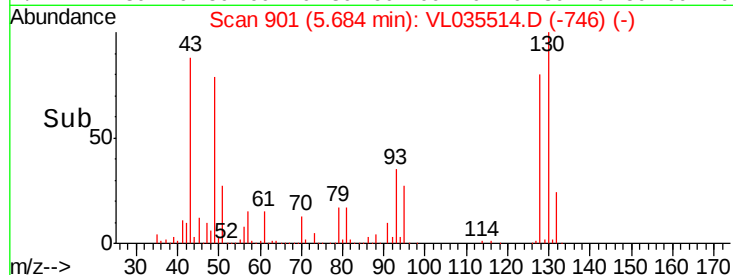
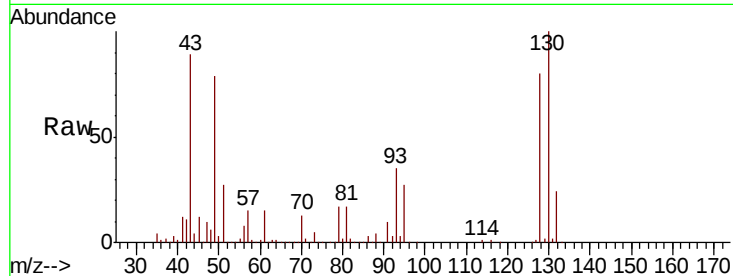
Tot Ion: 49 Resp: 997206

Ion Ratio Lower Upper

49 100

128 100.8 50.0 150.1

130 129.7 64.4 193.2



#2

Dichlorodifluoromethane

Concen: 8.134 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL035514.D

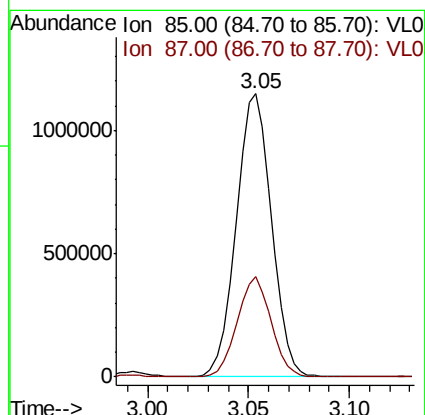
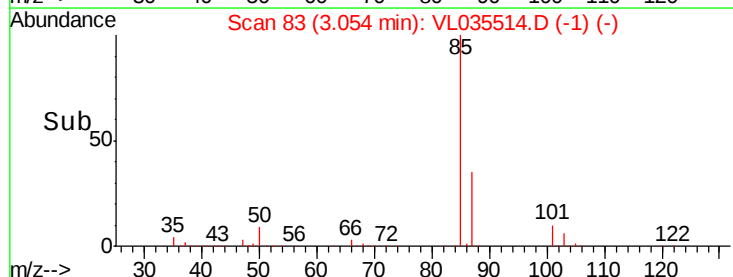
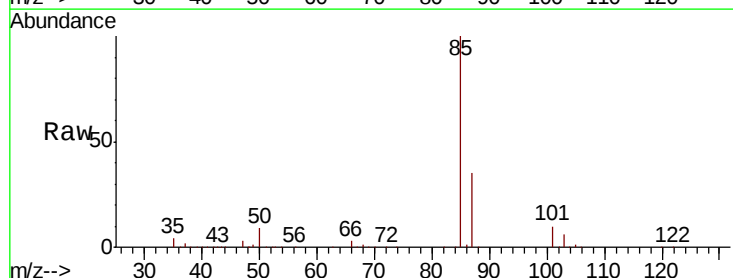
Acq: 27 Aug 2020 9:17

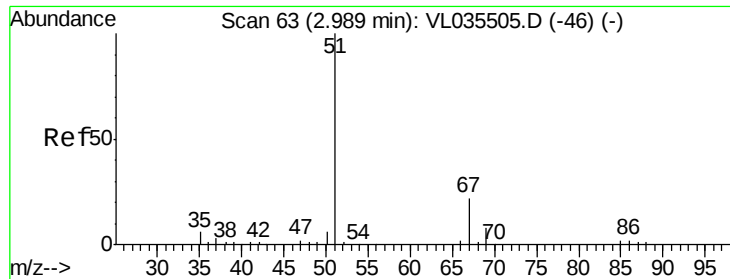
Tgt Ion: 85 Resp: 1405746

Ion Ratio Lower Upper

85 100

87 35.2 28.0 42.0





#3

Chlorodifluoromethane

Concen: 9.812 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

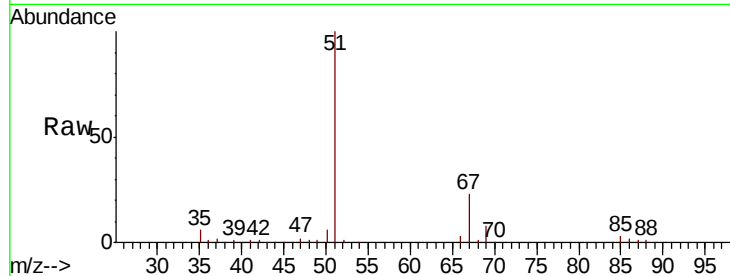
VL0827ABS01

Tot Ion: 51 Resp: 1082150

Ion Ratio Lower Upper

51 100

67 22.9 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

800000

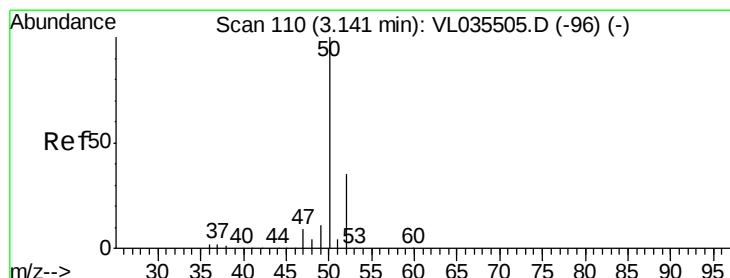
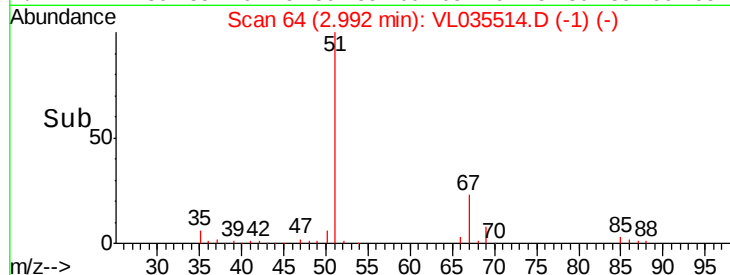
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.859 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL035514.D

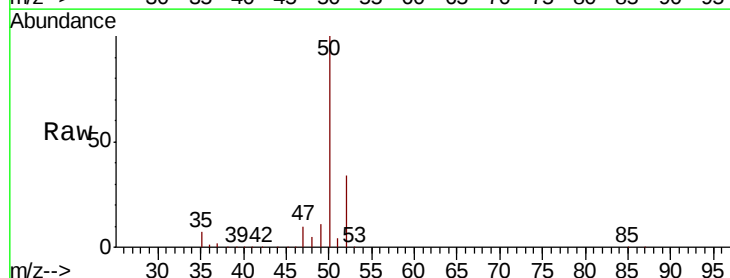
Acq: 27 Aug 2020 9:17

Tgt Ion: 50 Resp: 582521

Ion Ratio Lower Upper

50 100

52 34.0 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.14

500000

400000

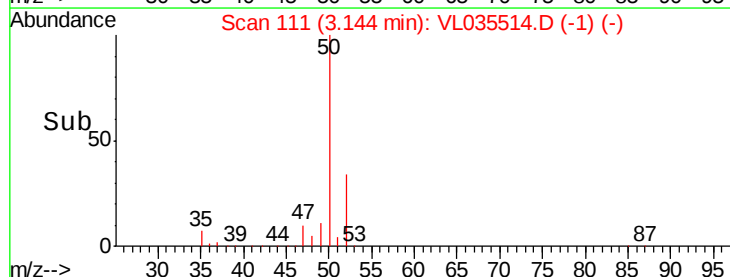
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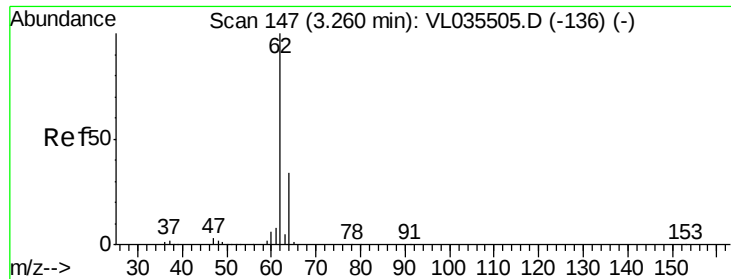
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.373 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

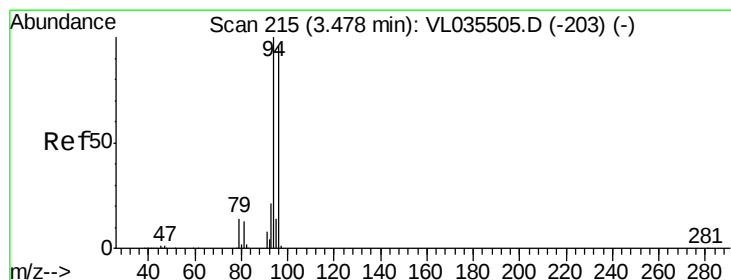
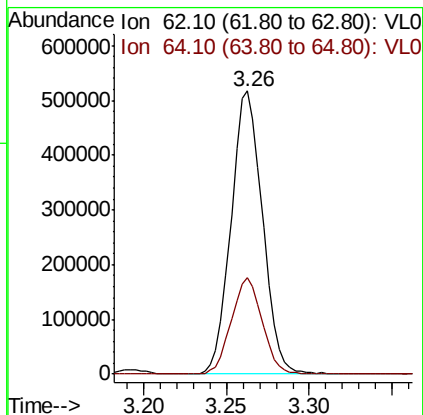
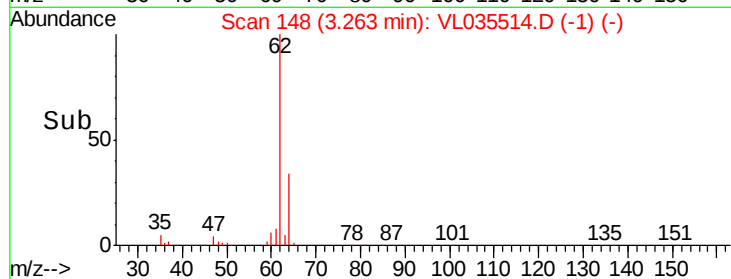
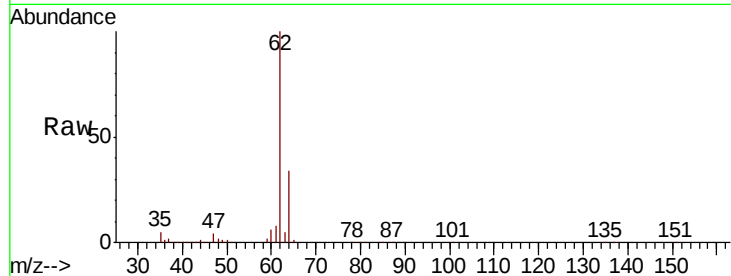
VL0827ABS01

Tot Ion: 62 Resp: 682832

Ion Ratio Lower Upper

62 100

64 34.0 27.4 41.2



#6

Bromomethane

Concen: 9.952 ppbv

RT: 3.48 min Scan# 215

Delta R.T. -0.00 min

Lab File: VL035514.D

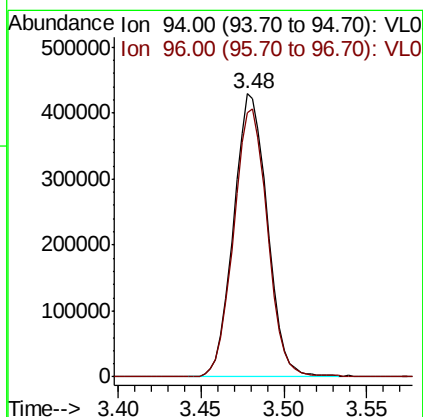
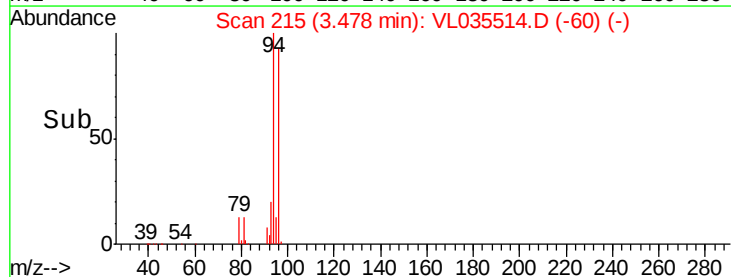
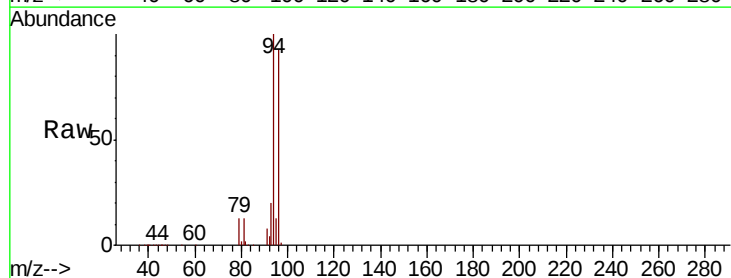
Acq: 27 Aug 2020 9:17

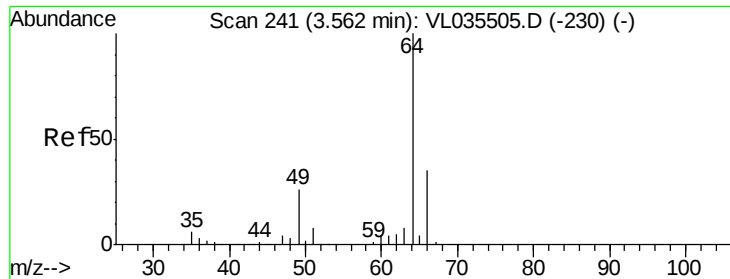
Tgt Ion: 94 Resp: 608966

Ion Ratio Lower Upper

94 100

96 93.4 77.1 115.7





#7

Chloroethane

Concen: 9.972 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

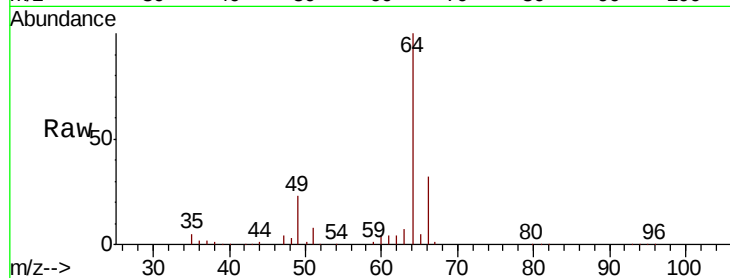
VL0827ABS01

Tot Ion: 64 Resp: 256824

Ion Ratio Lower Upper

64 100

66 32.1 27.7 41.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

200000

150000

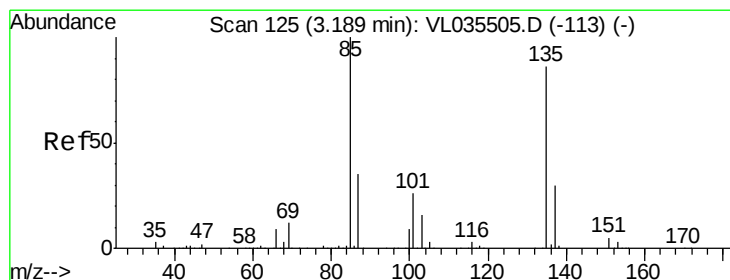
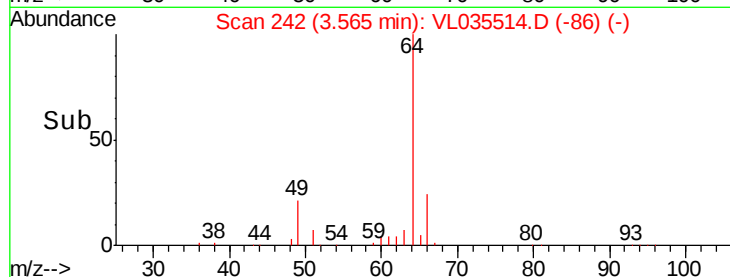
100000

50000

0

3.50 3.55 3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.479 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL035514.D

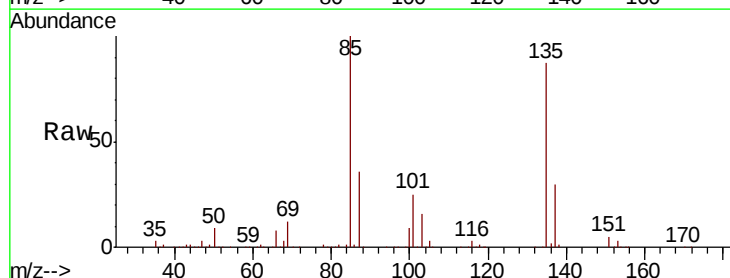
Acq: 27 Aug 2020 9:17

Tgt Ion: 85 Resp: 1983933

Ion Ratio Lower Upper

85 100

135 88.5 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

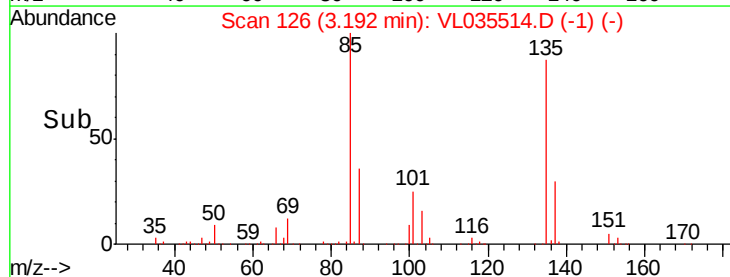
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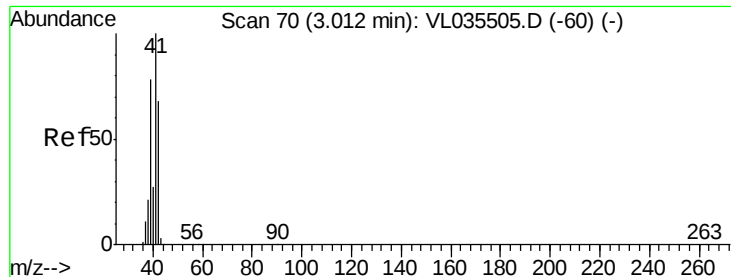
500000

0

3.15 3.20 3.25

Time-->





#9

Propene

Concen: 9.893 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

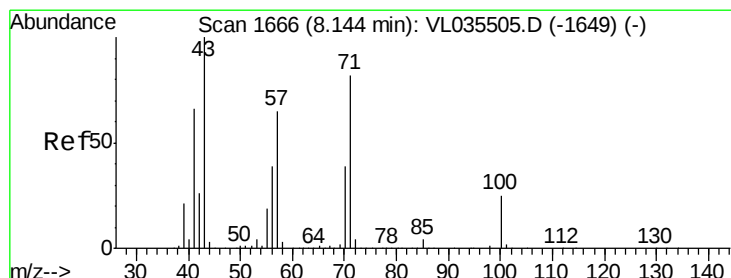
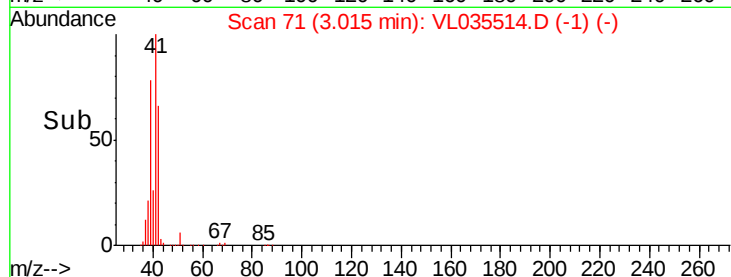
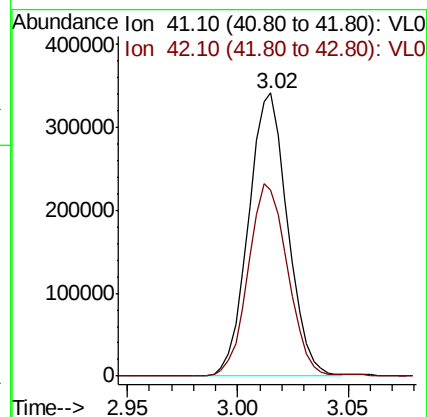
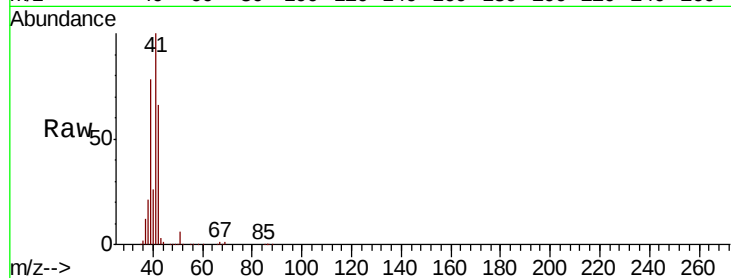
VL0827ABS01

Tot Ion: 41 Resp: 420620

Ion Ratio Lower Upper

41 100

42 69.3 56.3 84.5



#10

Heptane

Concen: 10.171 ppbv

RT: 8.15 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VL035514.D

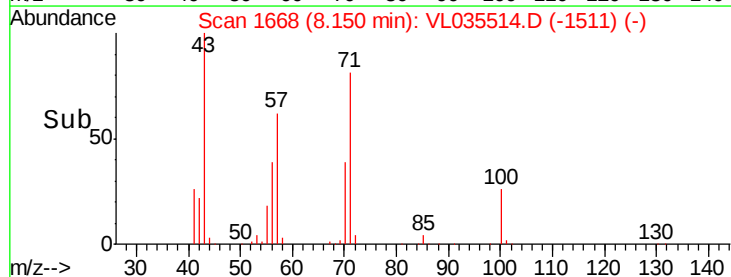
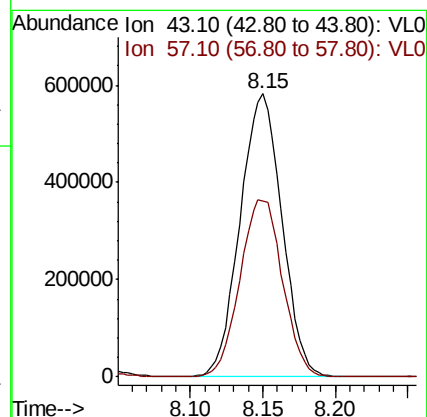
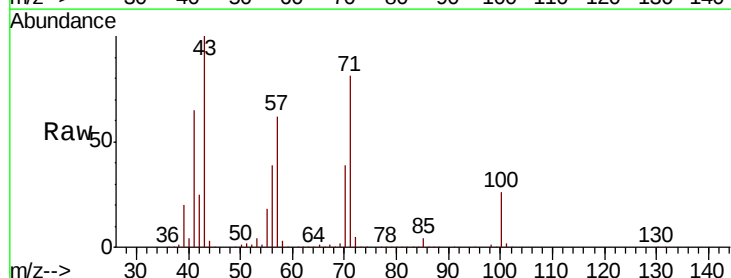
Acq: 27 Aug 2020 9:17

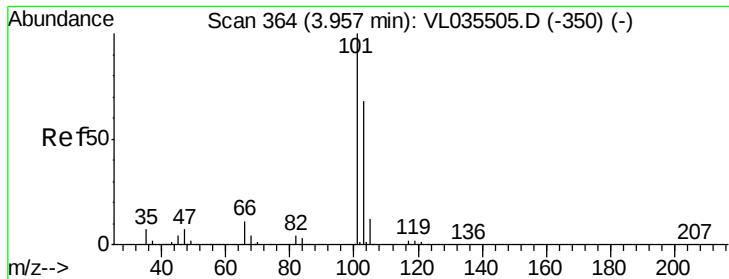
Tgt Ion: 43 Resp: 1161576

Ion Ratio Lower Upper

43 100

57 64.1 51.4 77.0

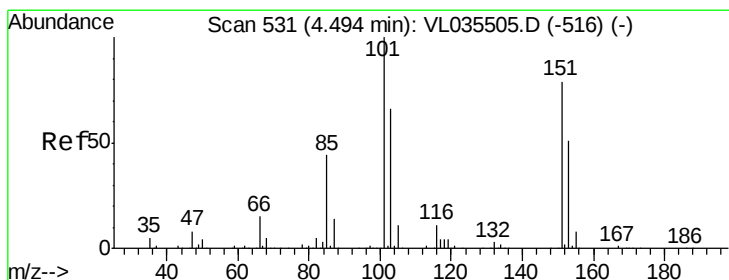
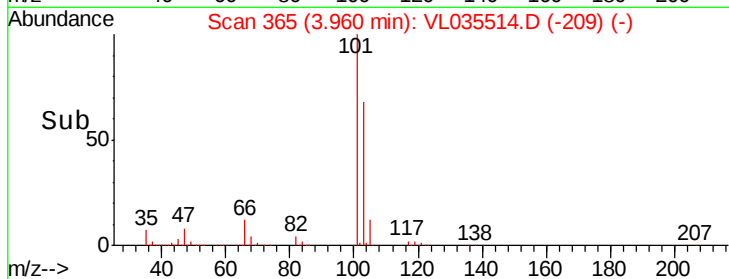
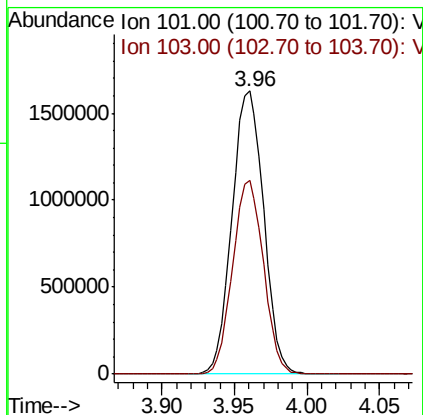
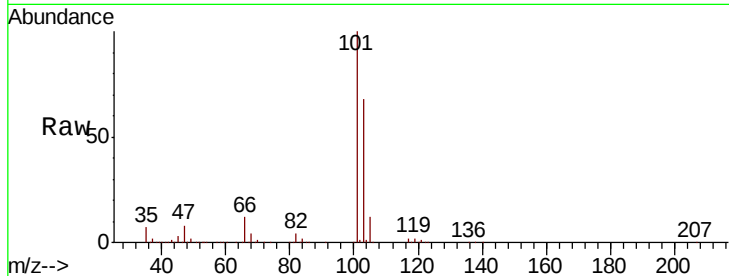




#11
 Trichlorofluoromethane
 Concen: 9.806 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

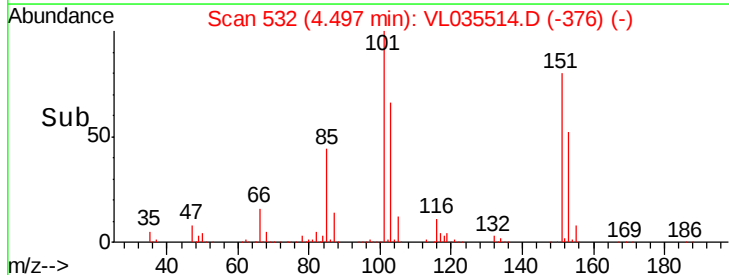
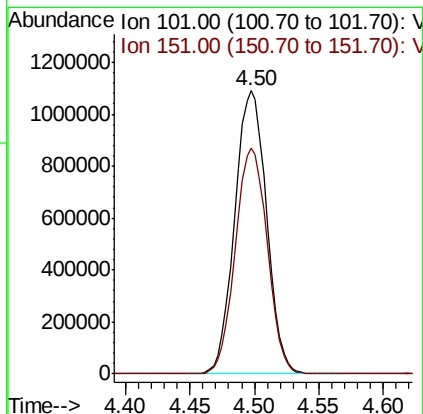
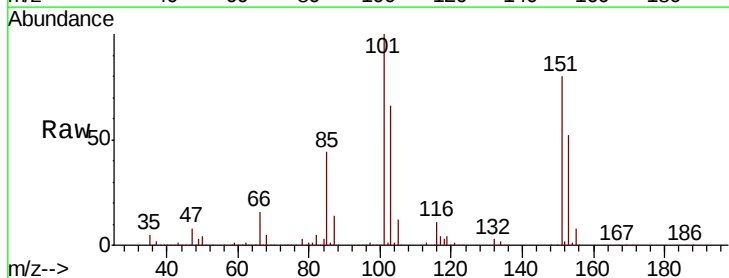
Instrument :
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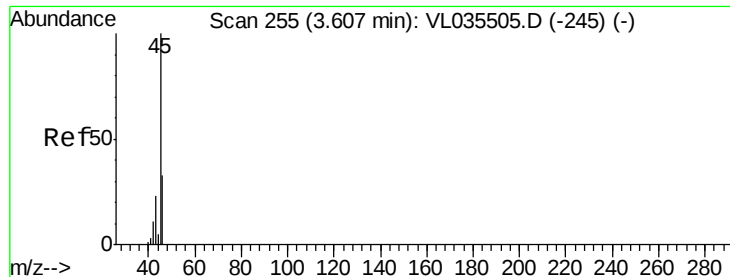
Tot Ion:101 Resp: 2471389
 Ion Ratio Lower Upper
 101 100
 103 68.3 54.5 81.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.844 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

Tgt Ion:101 Resp: 1872448
 Ion Ratio Lower Upper
 101 100
 151 80.5 63.5 95.3





#13

Ethanol

Concen: 9.214 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

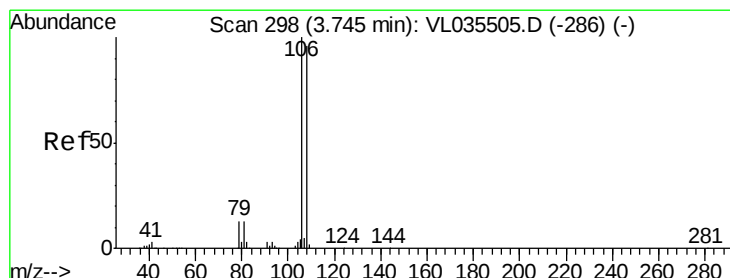
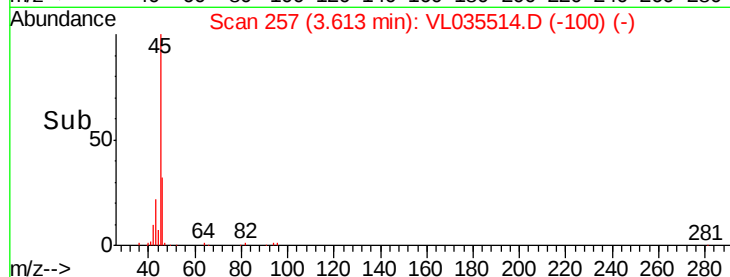
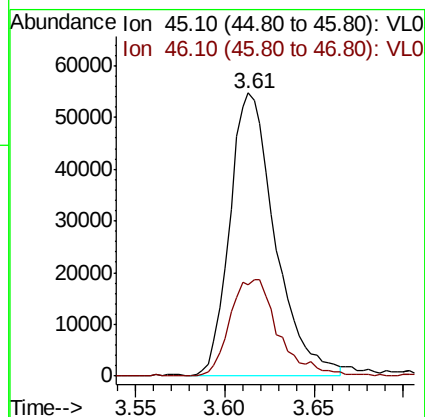
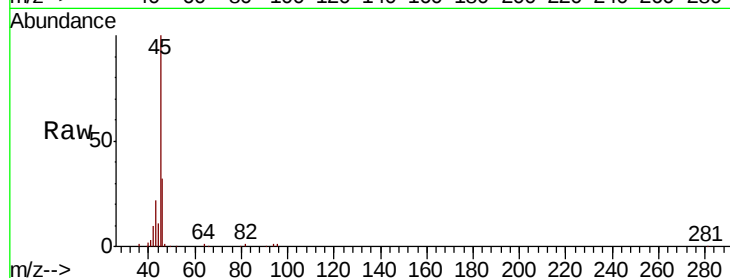
VL0827ABS01

Tot Ion: 45 Resp: 97132

Ion Ratio Lower Upper

45 100

46 36.5 15.2 60.6



#14

Bromoethene

Concen: 10.298 ppbv

RT: 3.75 min Scan# 299

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

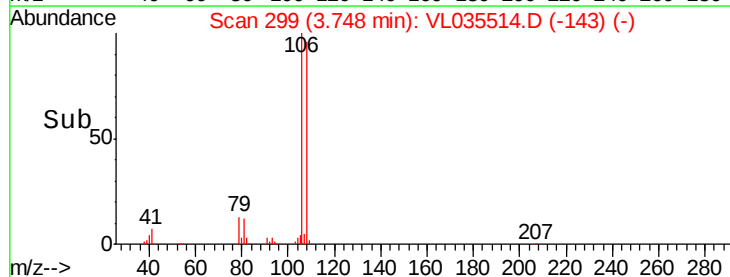
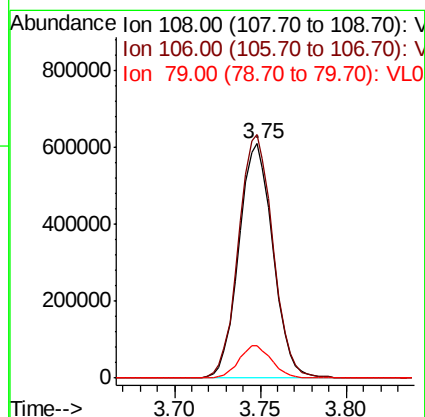
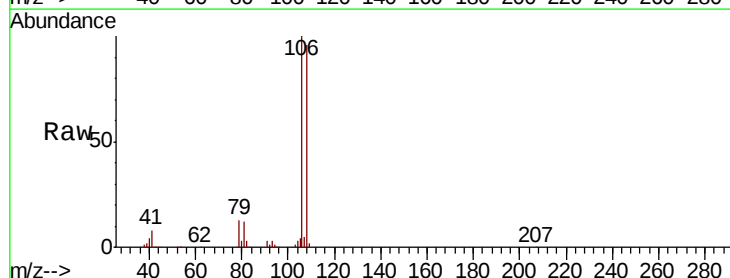
Tgt Ion: 108 Resp: 843114

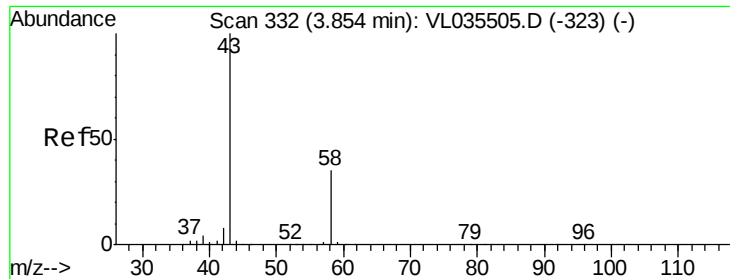
Ion Ratio Lower Upper

108 100

106 105.1 84.9 127.3

79 13.7 10.8 16.2





#15

Acetone

Concen: 9.140 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

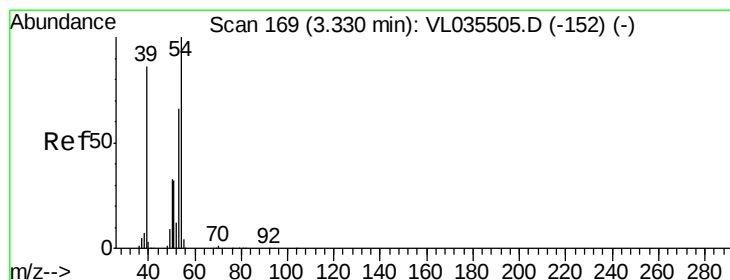
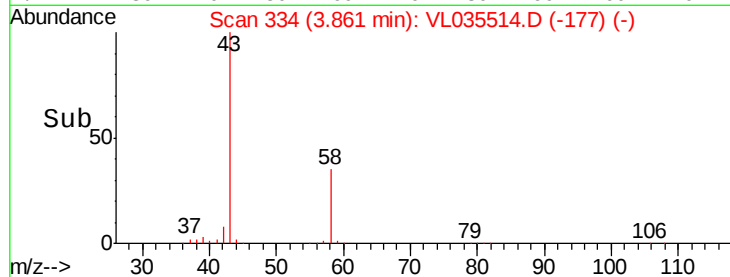
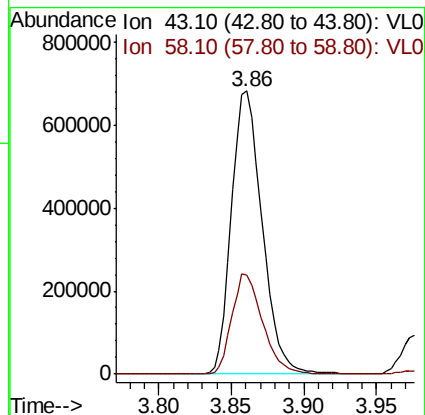
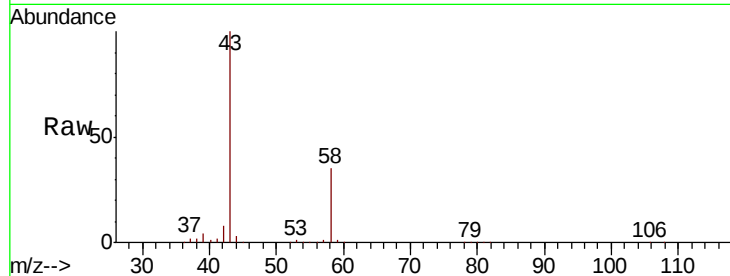
VL0827ABS01

Tot Ion: 43 Resp: 1005285

Ion Ratio Lower Upper

43 100

58 35.5 28.4 42.6



#16

1,3-Butadiene

Concen: 10.178 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL035514.D

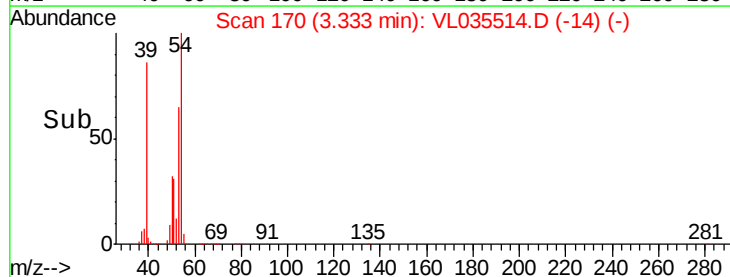
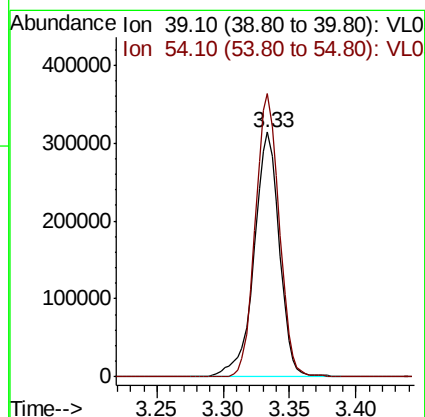
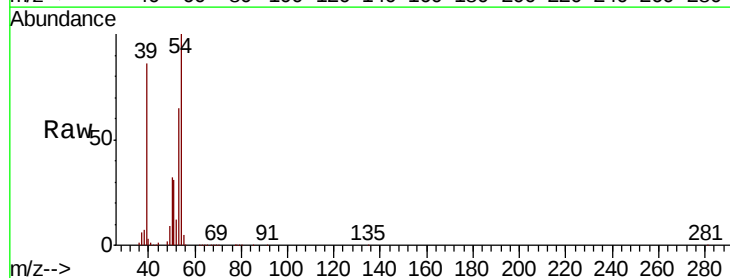
Acq: 27 Aug 2020 9:17

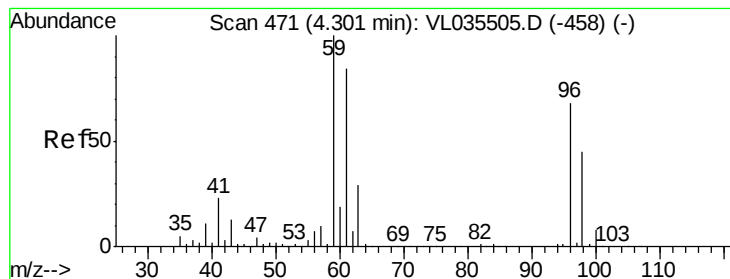
Tgt Ion: 39 Resp: 416696

Ion Ratio Lower Upper

39 100

54 109.3 88.4 132.6





#17

tert-Butyl alcohol

Concen: 10.016 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

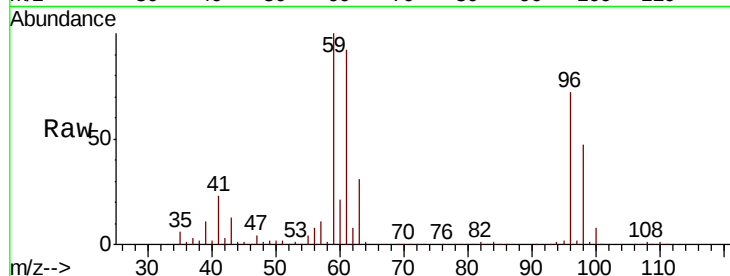
VL0827ABS01

Tot Ion: 59 Resp: 1340844

Ion Ratio Lower Upper

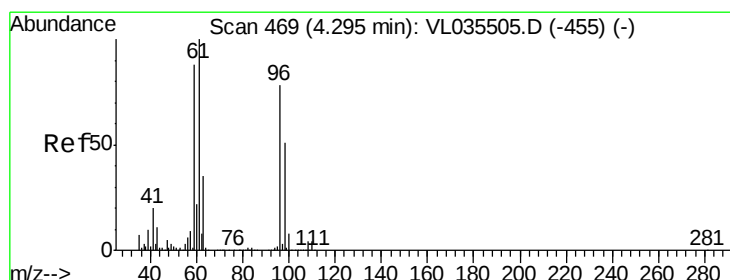
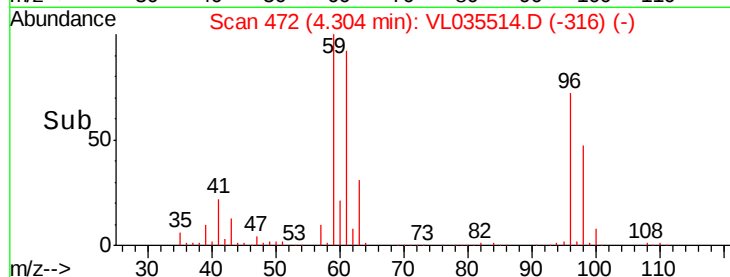
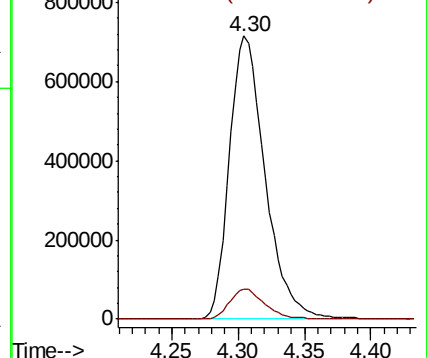
59 100

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: 10.218 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.01 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

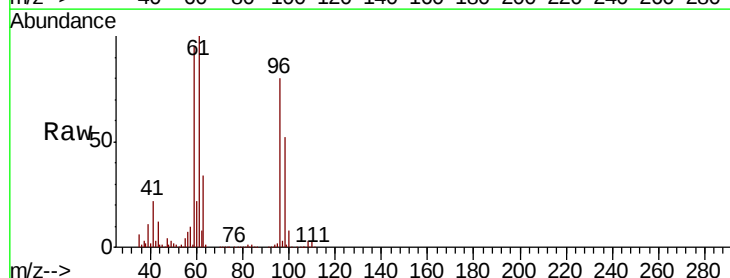
Tgt Ion: 96 Resp: 855892

Ion Ratio Lower Upper

96 100

61 125.6 103.0 154.6

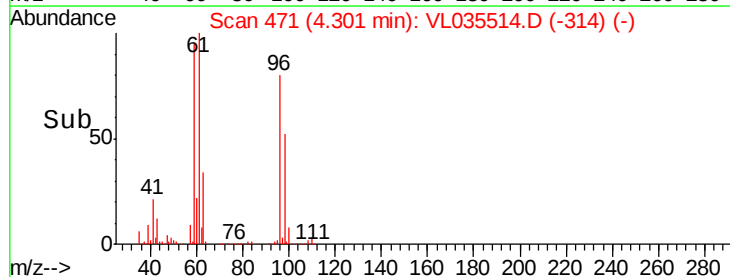
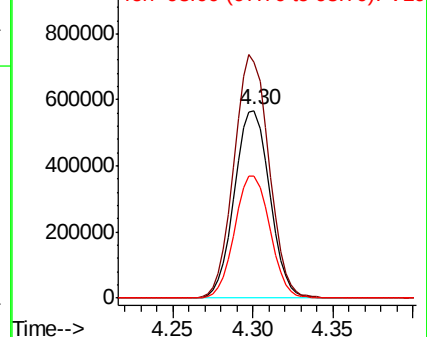
98 64.7 52.8 79.2

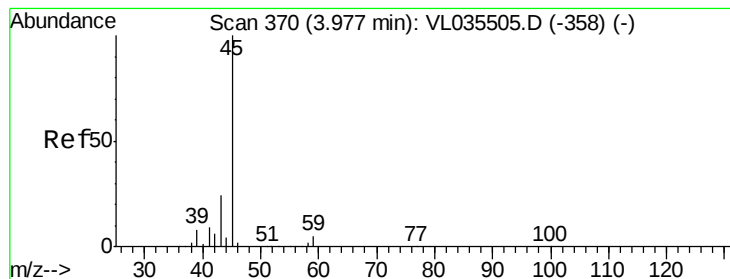


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 10.160 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

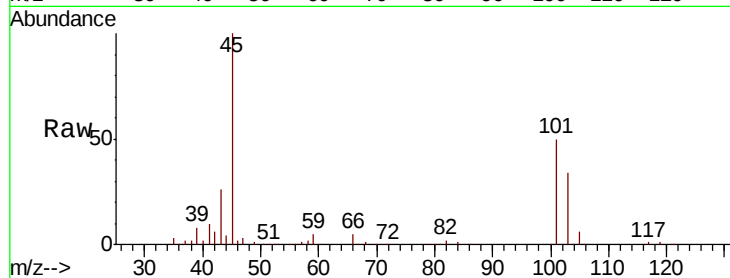
VL0827ABS01

Tot Ion: 45 Resp: 666635

Ion Ratio Lower Upper

45 100

58 2.6 2.0 3.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.98

400000

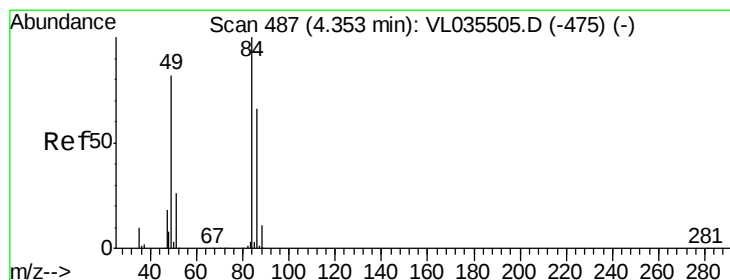
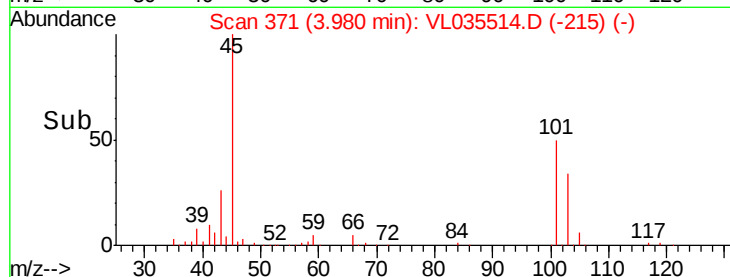
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.276 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Tgt Ion: 84 Resp: 677919

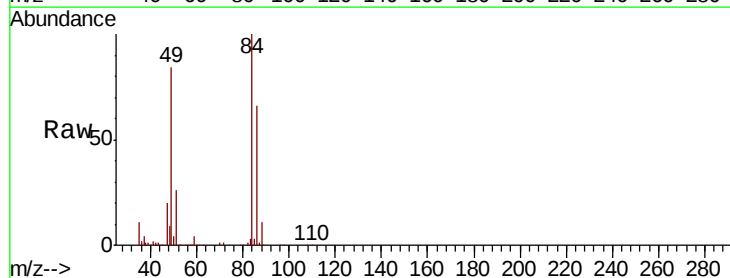
Ion Ratio Lower Upper

84 100

49 84.0 65.4 98.0

51 25.3 21.5 32.3

86 66.1 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

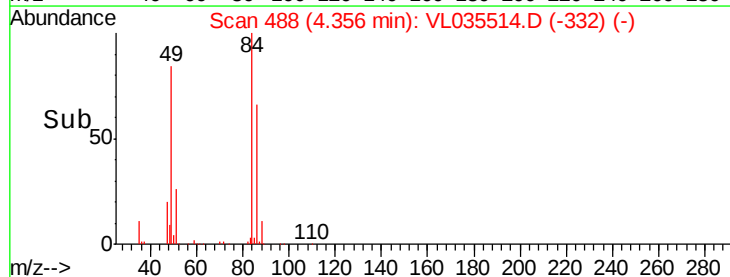
600000

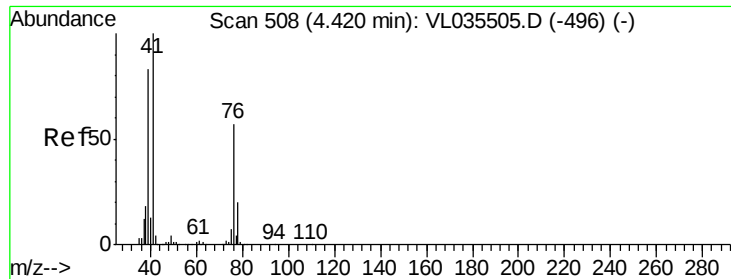
400000

200000

0

Time-->

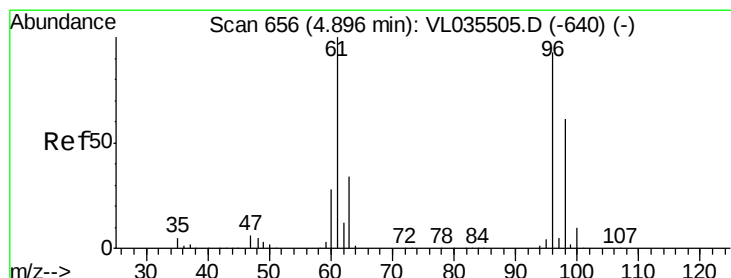
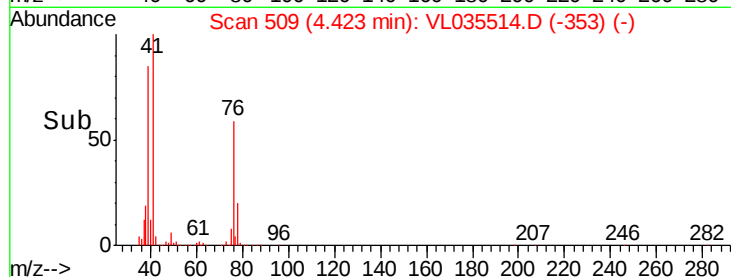
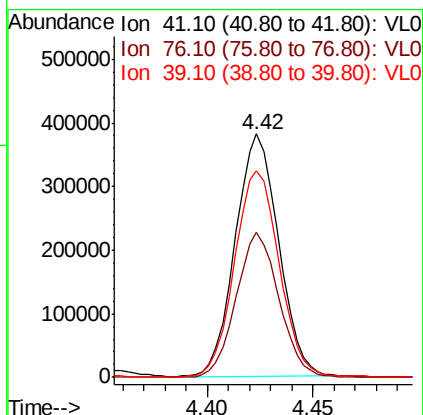
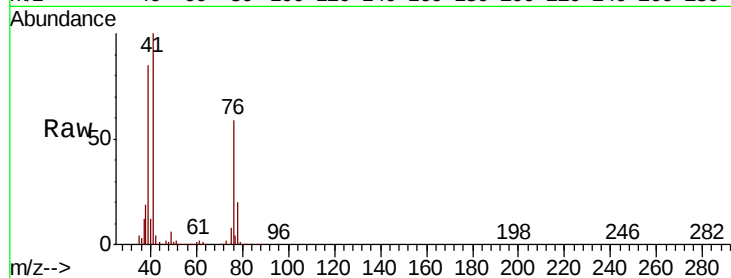




#21
Allvl Chloride
Concen: 10.544 ppbv
RT: 4.42 min Scan# 509
Delta R.T. 0.00 min
Lab File: VL035514.D
Acq: 27 Aug 2020 9:17

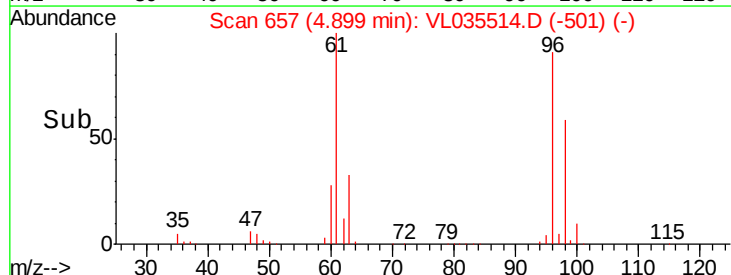
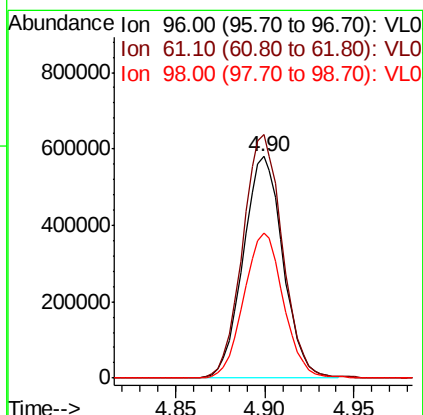
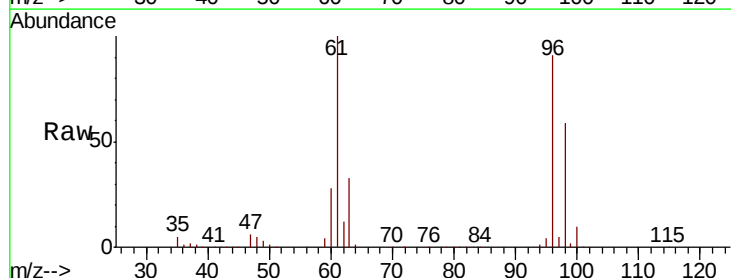
Instrument :
MSVOA_L
ClientSampleId :
VL0827ABS01

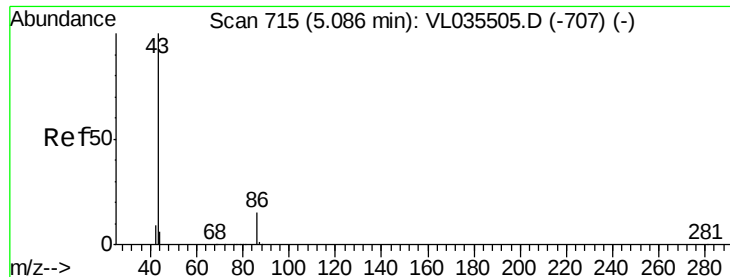
Tot Ion: 41 Resp: 543279
Ion Ratio Lower Upper
41 100
76 59.4 46.2 69.2
39 88.5 67.8 101.6



#22
trans-1,2-Dichloroethene
Concen: 10.127 ppbv
RT: 4.90 min Scan# 657
Delta R.T. 0.00 min
Lab File: VL035514.D
Acq: 27 Aug 2020 9:17

Tgt Ion: 96 Resp: 903045
Ion Ratio Lower Upper
96 100
61 109.9 86.0 129.0
98 65.2 52.3 78.5





#23

Vinyl Acetate

Concen: 10.714 ppbv

RT: 5.09 min Scan# 716

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

VL0827ABS01

Tot Ion: 43 Resp: 1512429

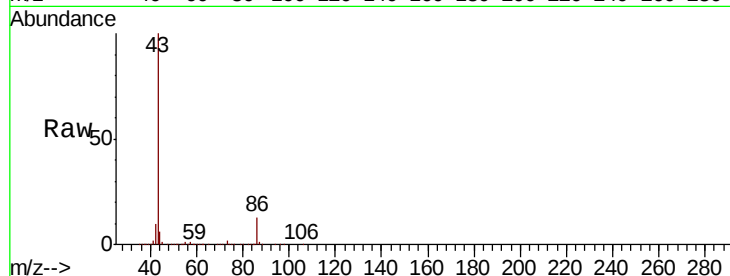
Ion Ratio Lower Upper

43 100

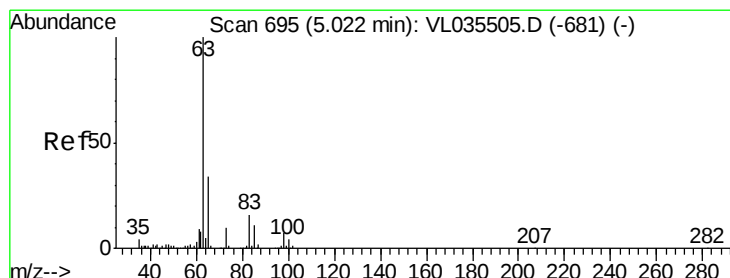
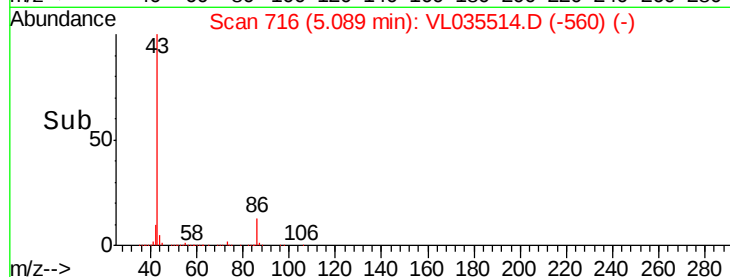
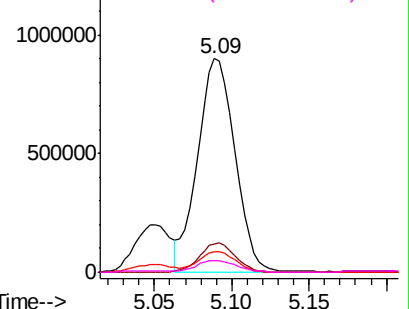
86 13.4 10.6 16.0

42 9.7 7.5 11.3

44 5.5 4.4 6.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.977 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

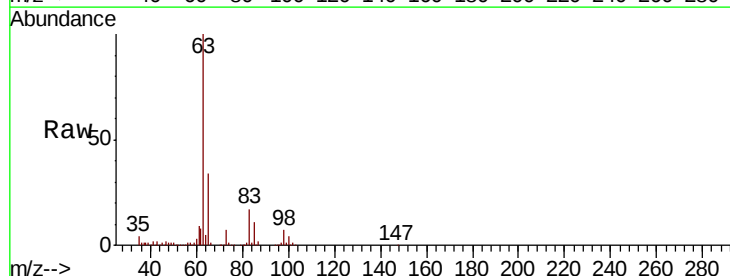
Tgt Ion: 63 Resp: 1449315

Ion Ratio Lower Upper

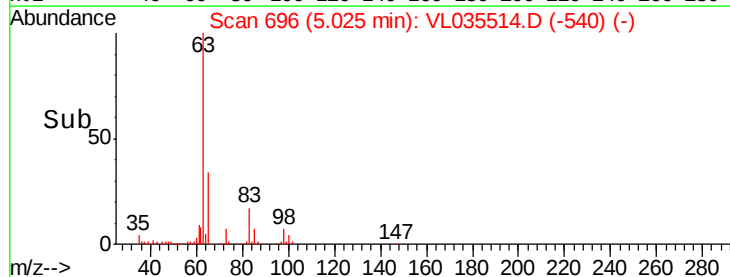
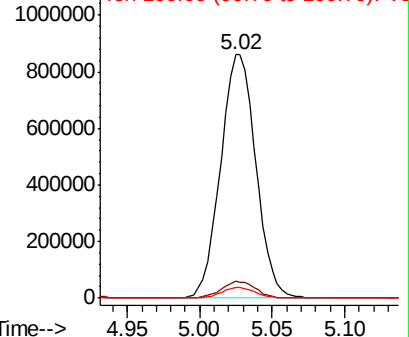
63 100

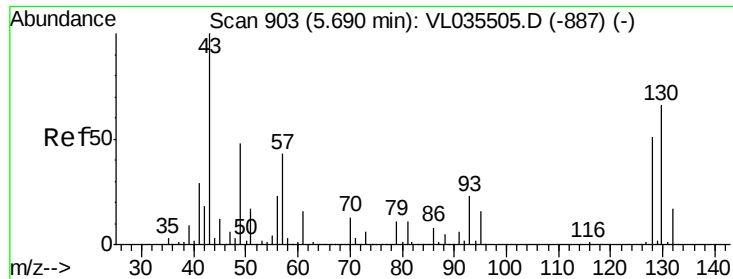
98 7.0 3.4 10.1

100 4.3 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



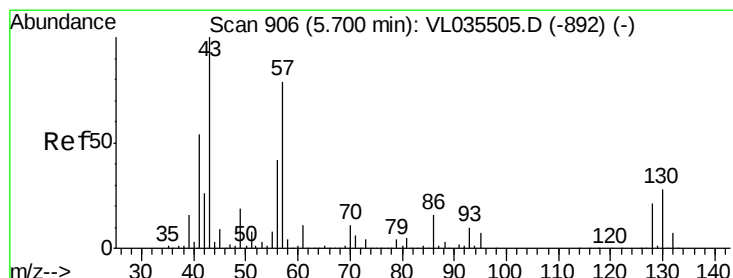
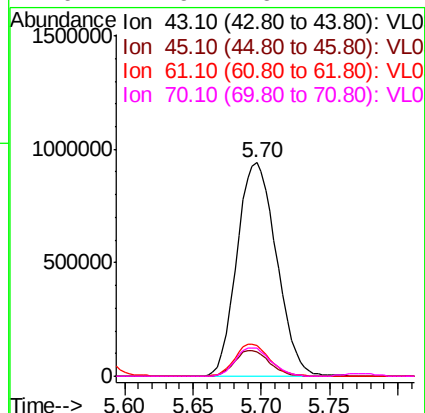
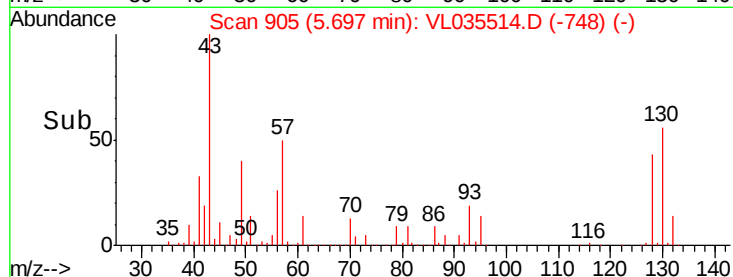
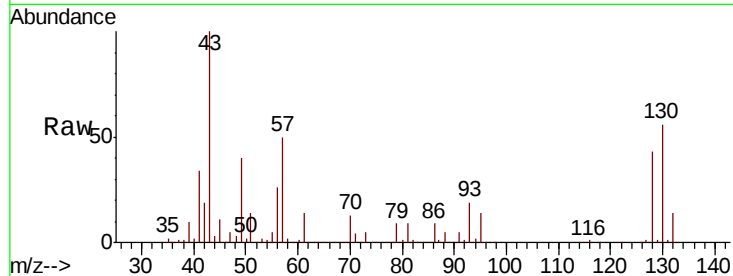


#25
Ethyl Acetate
Concen: 9.740 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL035514.D
Acq: 27 Aug 2020 9:17

Instrument :
MSVOA_L
ClientSampleID :
VL0827ABS01

Tot Ion: 43 Resp: 1892447

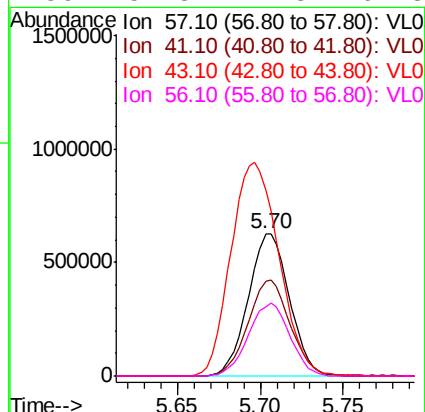
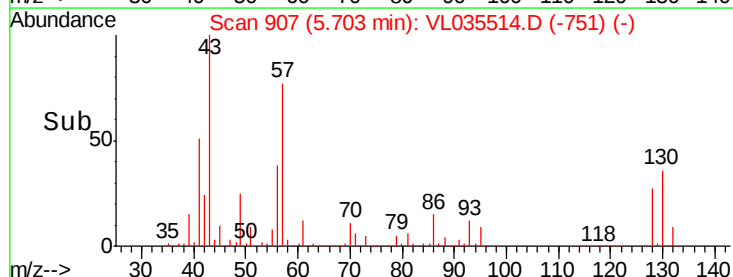
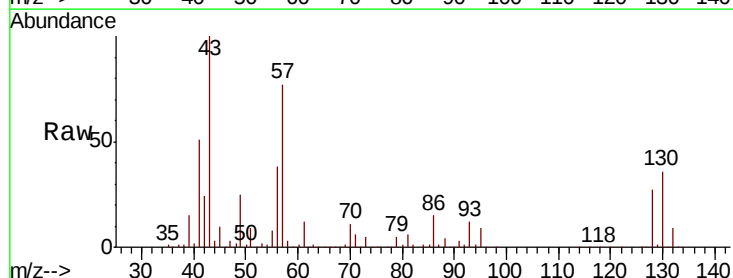
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.4	12.6
61	13.2	10.6	16.0
70	11.9	9.4	14.2

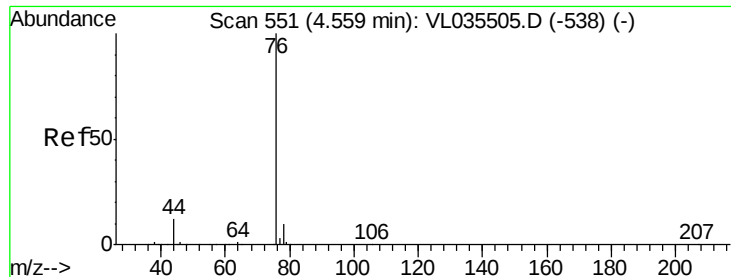


#26
Hexane
Concen: 9.764 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL035514.D
Acq: 27 Aug 2020 9:17

Tgt Ion: 57 Resp: 1074953

Ion	Ratio	Lower	Upper
57	100		
41	69.9	55.9	83.9
43	176.6	141.8	212.8
56	51.8	41.8	62.8





#27

Carbon Disulfide

Concen: 11.280 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

VL0827ABS01

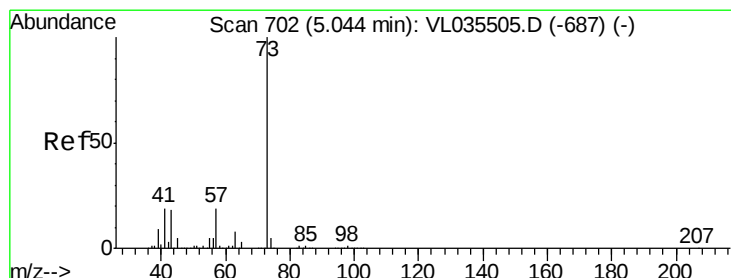
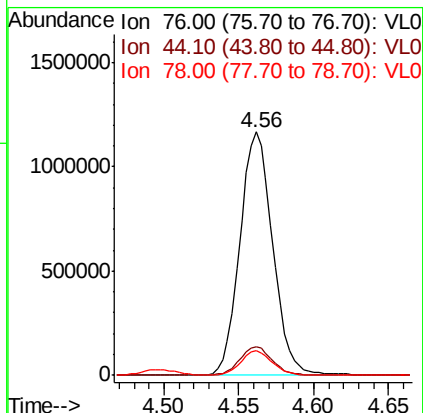
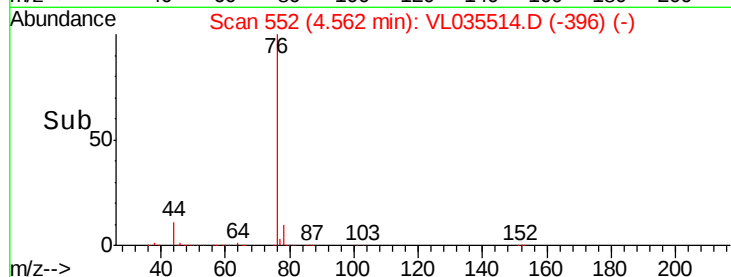
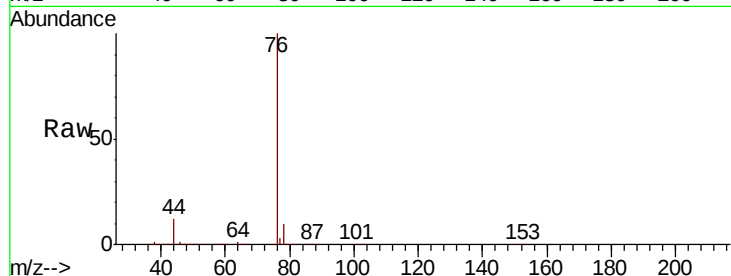
Tot Ion: 76 Resp: 1781966

Ion	Ratio	Lower	Upper
76	100		
44	11.5	9.3	13.9
78	9.6	7.8	11.6

76 100

44 11.5 9.3 13.9

78 9.6 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 10.418 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.01 min

Lab File: VL035514.D

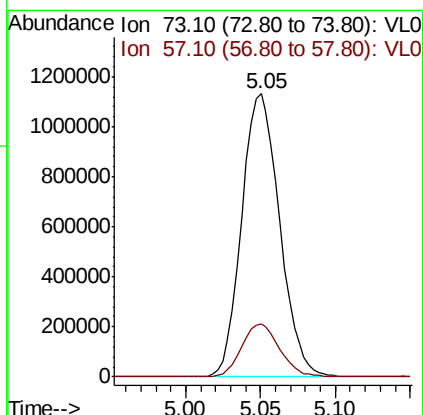
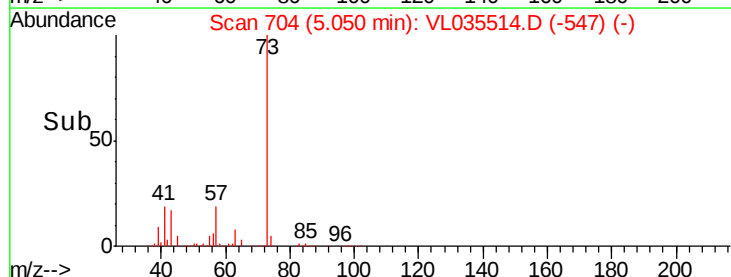
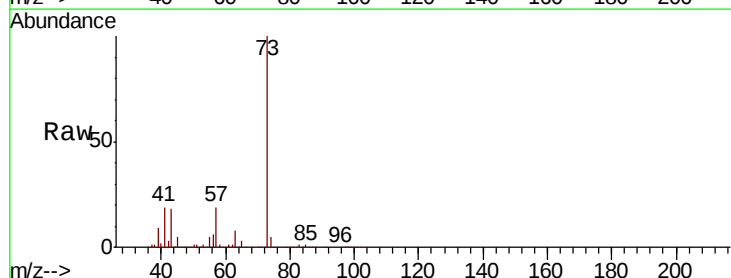
Acq: 27 Aug 2020 9:17

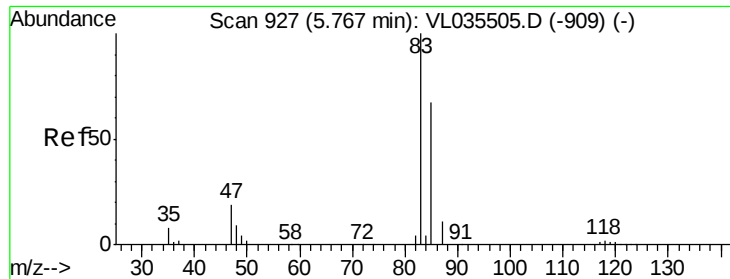
Tgt Ion: 73 Resp: 1998929

Ion	Ratio	Lower	Upper
73	100		
57	18.8	15.2	22.8

73 100

57 18.8 15.2 22.8





#29

Chloroform

Concen: 9.941 ppbv

RT: 5.77 min Scan# 928

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

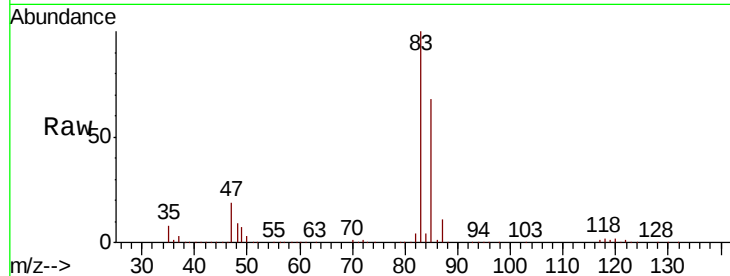
VL0827ABS01

Tot Ion: 83 Resp: 2229744

Ion Ratio Lower Upper

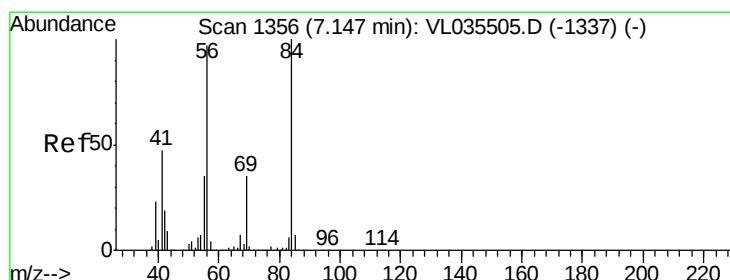
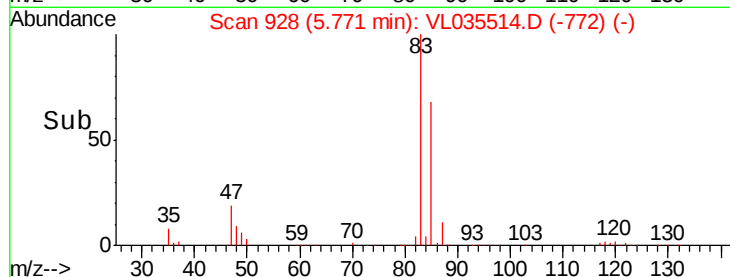
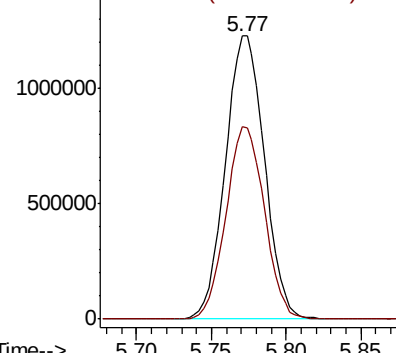
83 100

85 67.7 53.9 80.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 10.608 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

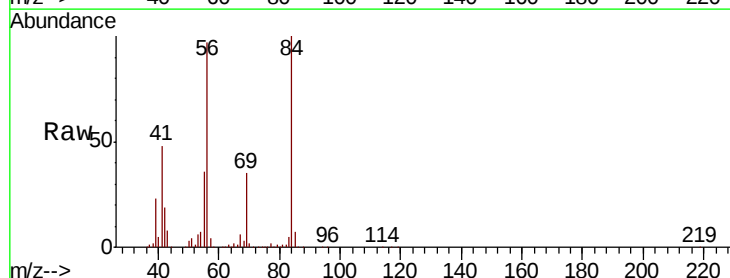
Tgt Ion: 84 Resp: 1251079

Ion Ratio Lower Upper

84 100

56 101.3 80.1 120.1

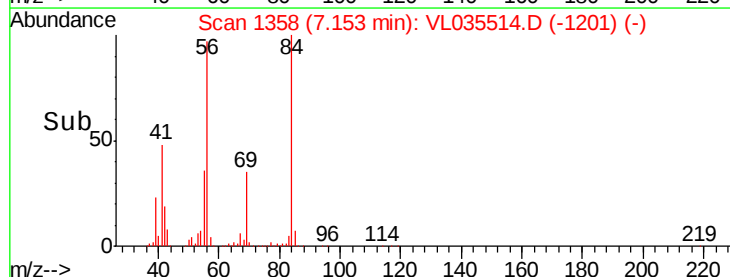
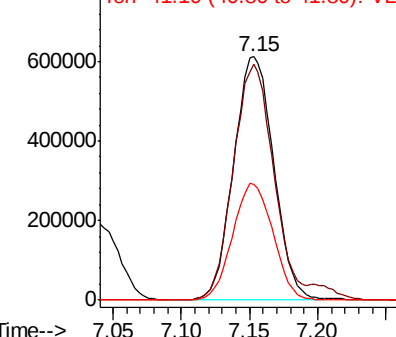
41 48.1 38.1 57.1

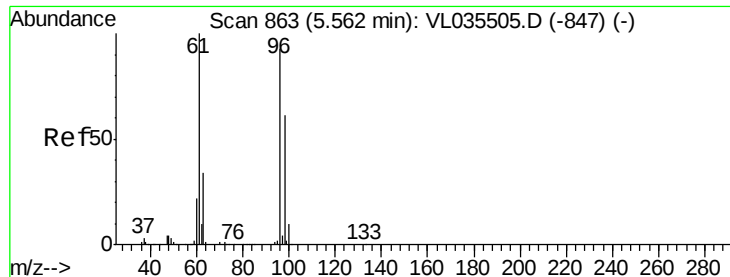


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



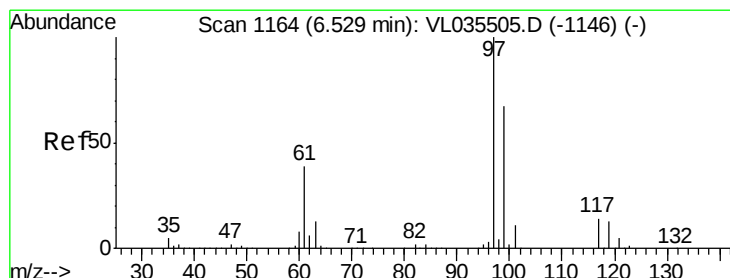
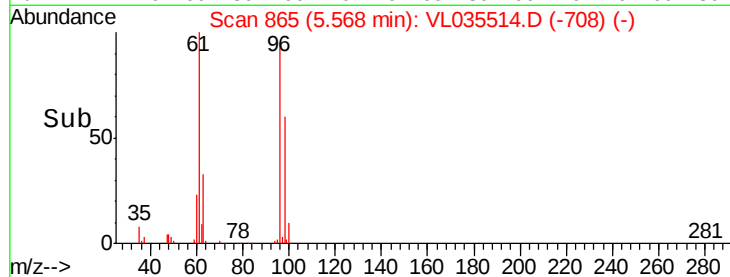
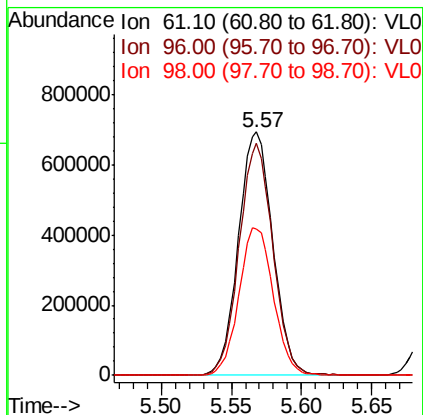
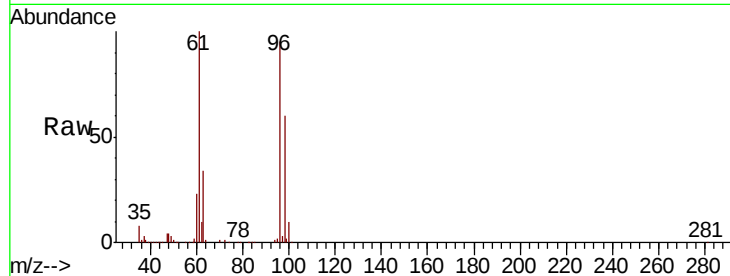


#31

cis-1,2-Dichloroethene
 Concen: 10.512 ppbv
 RT: 5.57 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0827ABS01

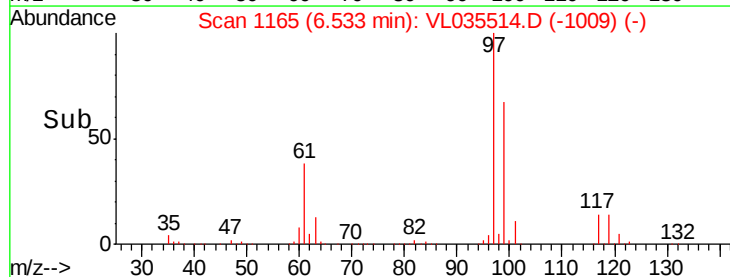
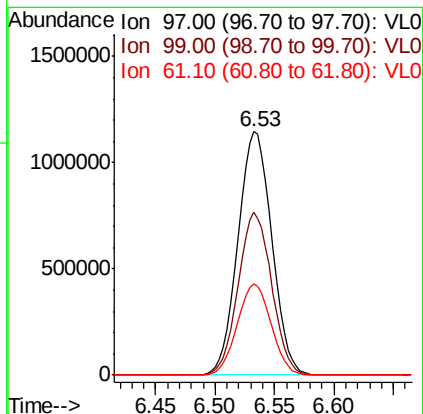
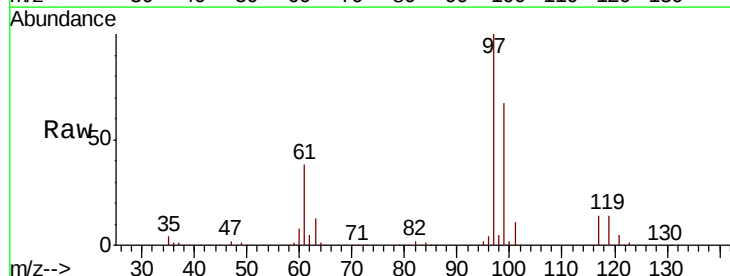
Tot Ion: 61 Resp: 1187338
 Ion Ratio Lower Upper
 61 100
 96 95.4 74.4 111.6
 98 60.1 49.2 73.8

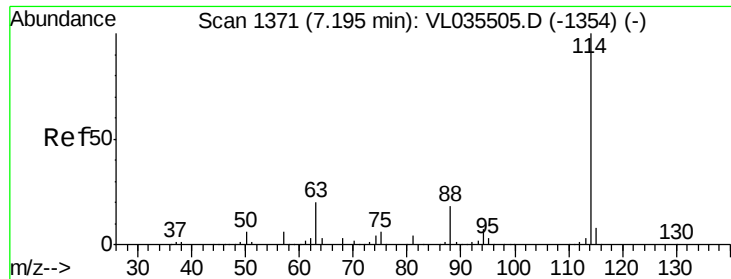


#32

1,1,1-Trichloroethane
 Concen: 10.392 ppbv
 RT: 6.53 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

Tgt Ion: 97 Resp: 2261187
 Ion Ratio Lower Upper
 97 100
 99 66.1 53.3 79.9
 61 37.7 30.6 46.0

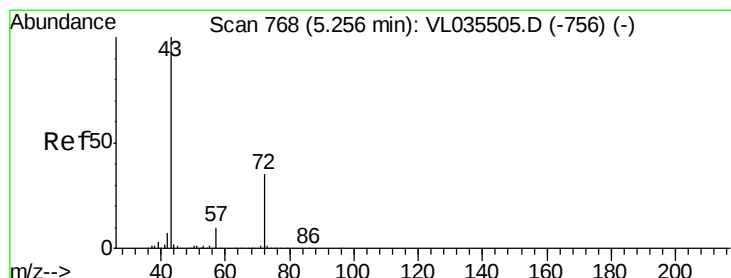
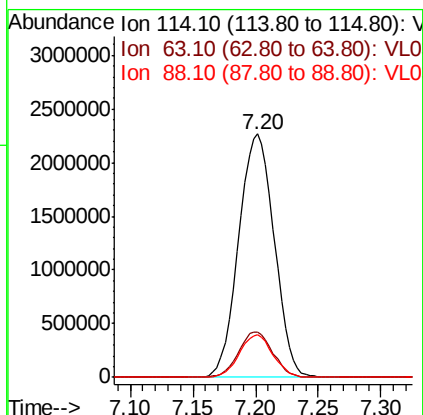
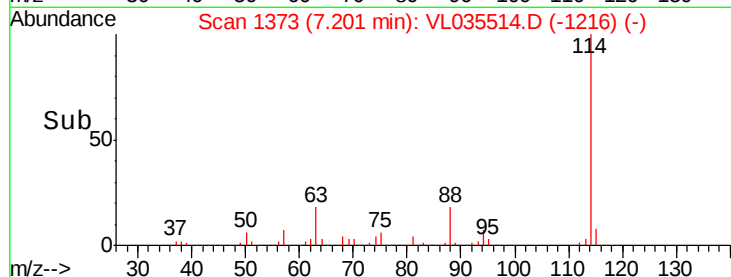
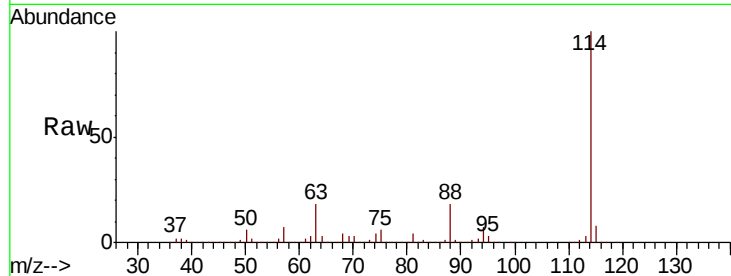




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1373
 Delta R.T. 0.01 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

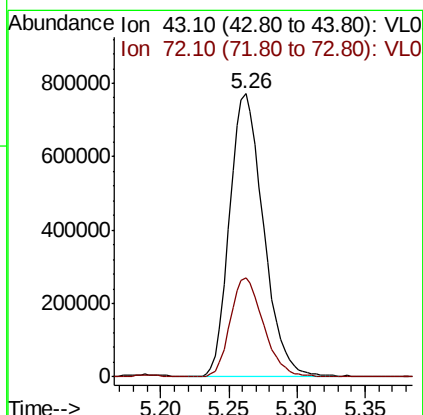
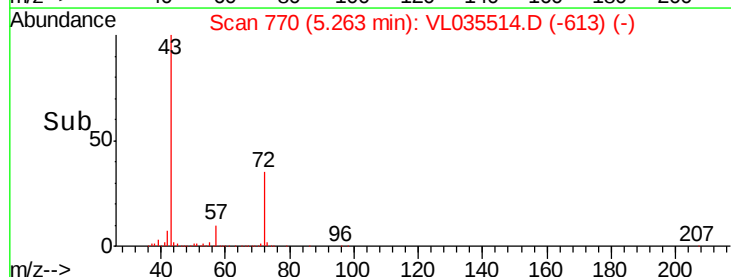
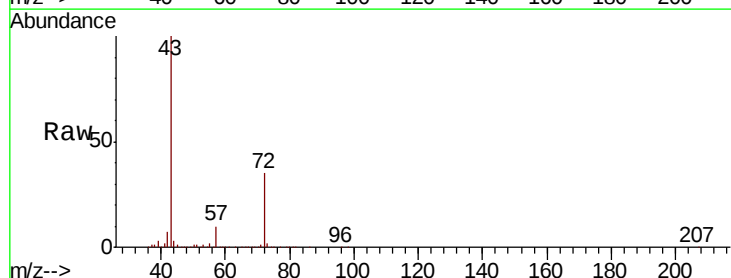
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0827ABS01

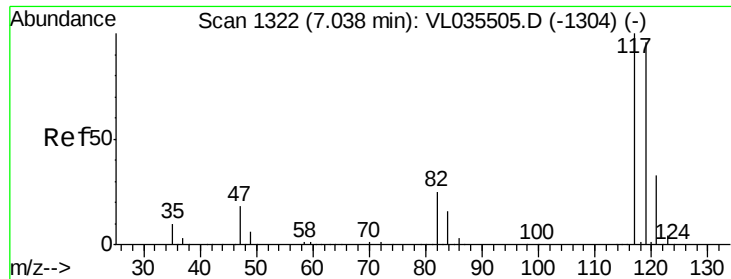
Tot Ion:114 Resp: 4469358
 Ion Ratio Lower Upper
 114 100
 63 18.2 14.7 22.1
 88 16.7 13.4 20.2



#34
 2-Butanone
 Concen: 10.030 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

Tgt Ion: 43 Resp: 1330389
 Ion Ratio Lower Upper
 43 100
 72 34.5 27.7 41.5





#35

Carbon Tetrachloride

Concen: 10.637 ppbv

RT: 7.04 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

VL0827ABS01

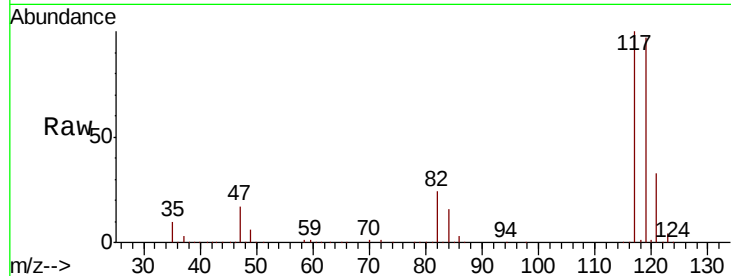
Tot Ion:117 Resp: 2389380

Ion Ratio Lower Upper

117 100

119 97.0 77.2 115.8

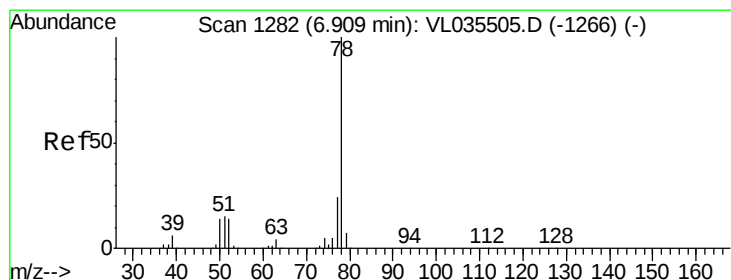
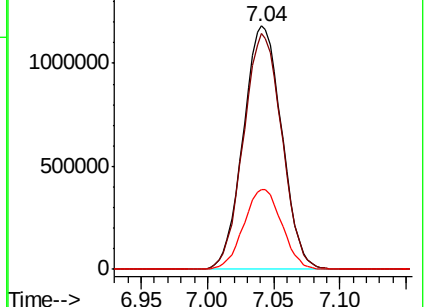
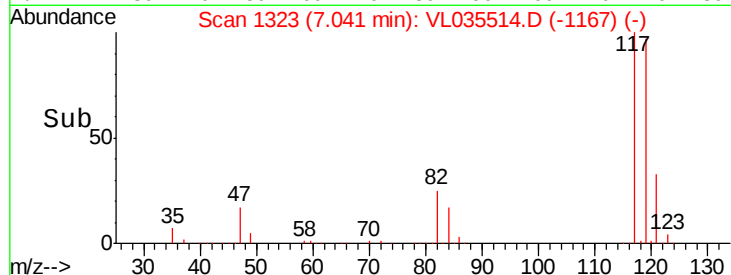
121 32.7 26.1 39.1



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: 9.956 ppbv

RT: 6.92 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

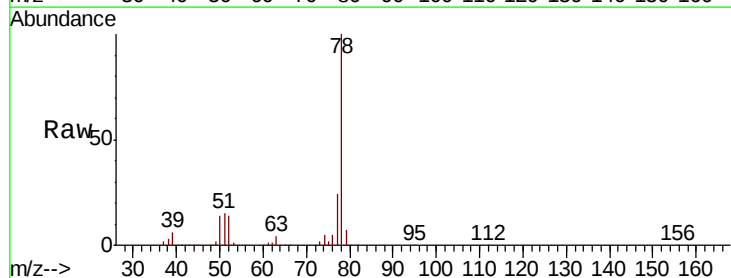
Tgt Ion: 78 Resp: 2880253

Ion Ratio Lower Upper

78 100

77 24.0 19.3 28.9

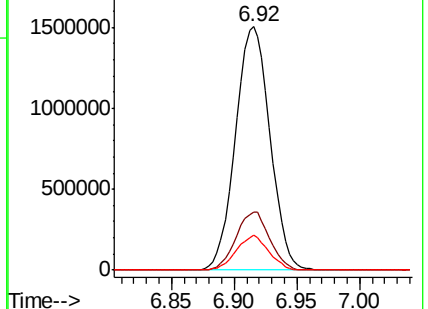
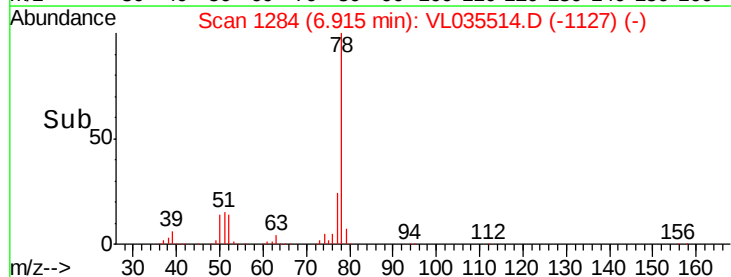
50 14.1 11.0 16.6

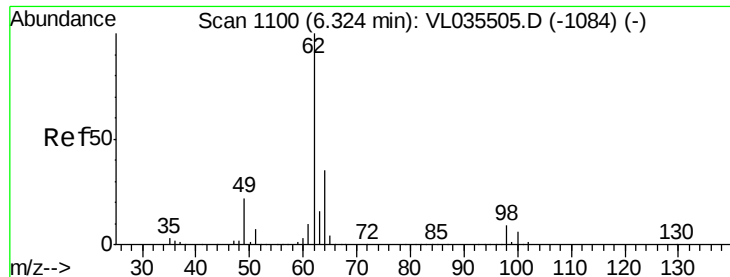


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

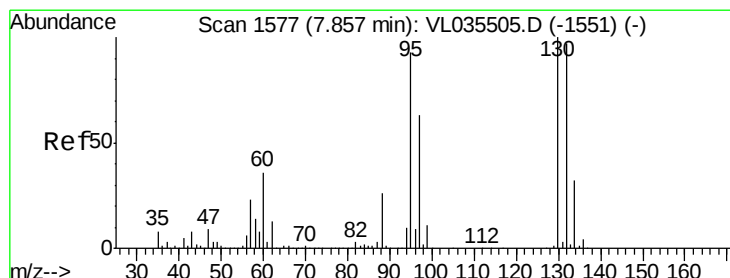
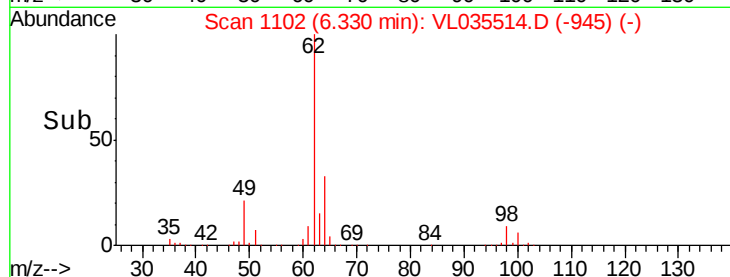
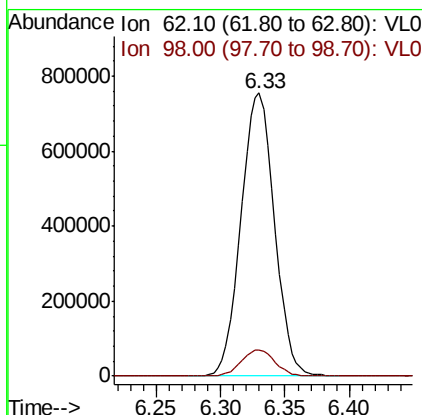
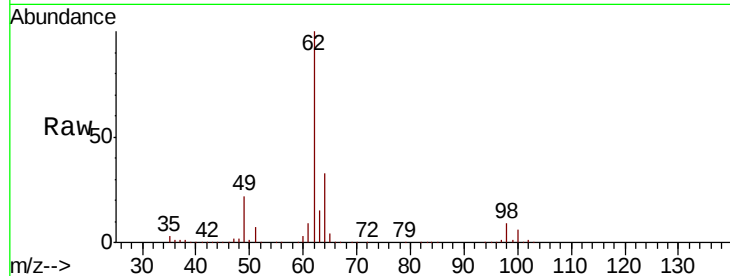




#37
 1,2-Dichloroethane
 Concen: 9.887 ppbv
 RT: 6.33 min Scan# 1102
 Delta R.T. 0.01 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

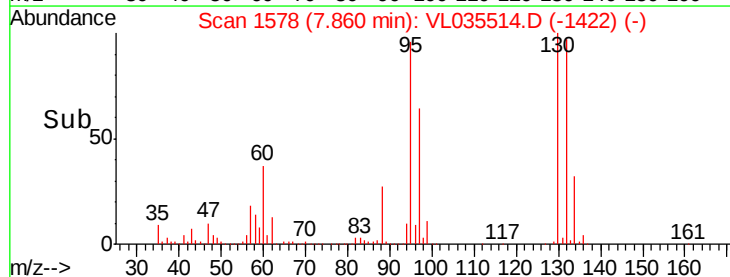
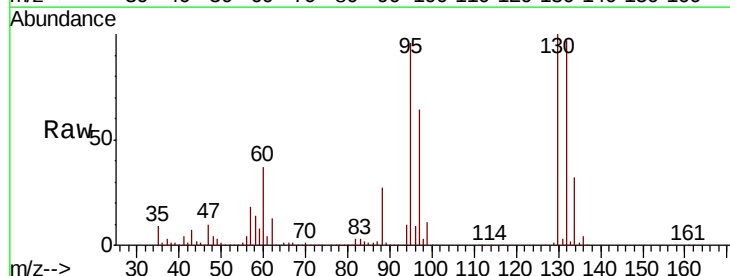
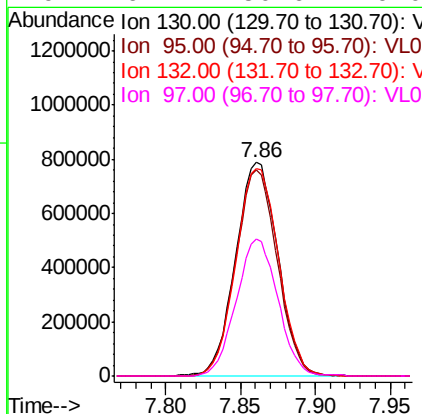
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0827ABS01

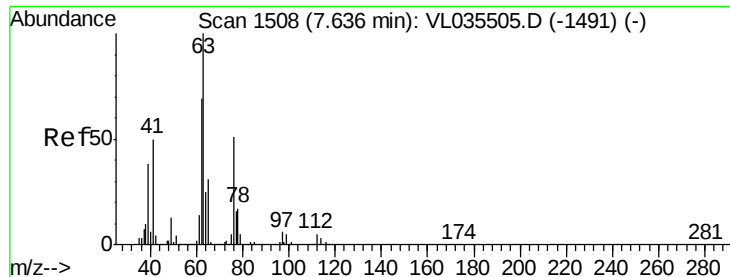
Tot Ion: 62 Resp: 1363782
 Ion Ratio Lower Upper
 62 100
 98 9.2 7.4 11.0



#38
 Trichloroethene
 Concen: 9.176 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

Tgt Ion:130 Resp: 1541954
 Ion Ratio Lower Upper
 130 100
 95 96.4 74.6 112.0
 132 97.2 77.6 116.4
 97 64.1 50.6 76.0





#39

1,2-Dichloropropane

Concen: 9.855 ppbv

RT: 7.64 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

VL0827ABS01

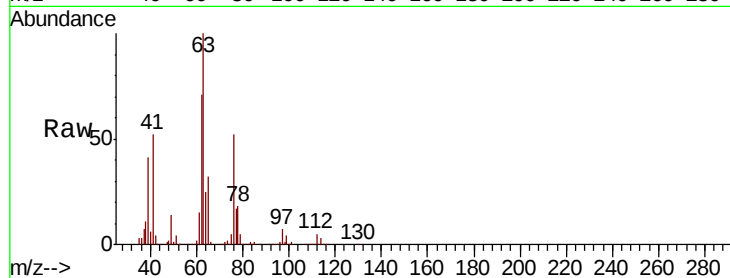
Tot Ion: 63 Resp: 963148

Ion Ratio Lower Upper

63 100

41 51.6 40.0 60.0

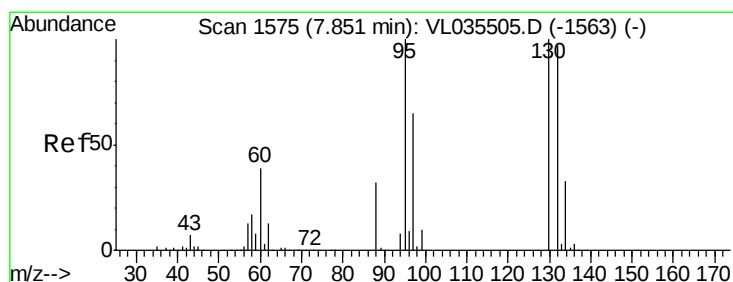
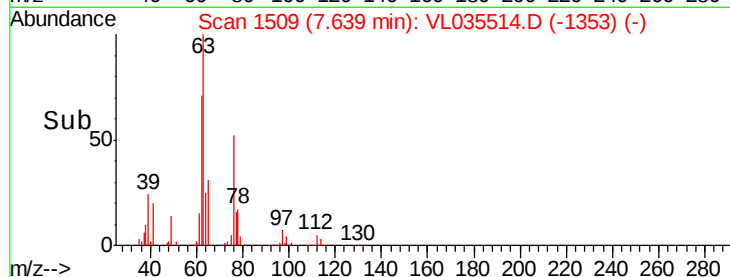
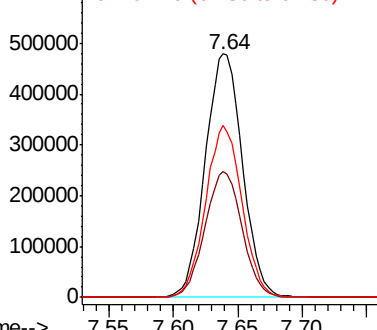
62 70.5 55.4 83.0



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: 10.357 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Tgt Ion: 88 Resp: 505656

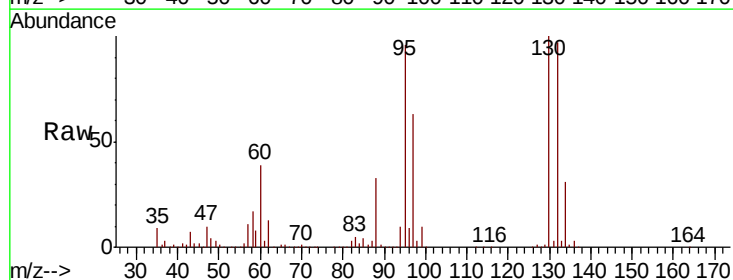
Ion Ratio Lower Upper

88 100

58 88.6 68.7 103.1

43 134.7 104.3 156.5

57 729.8 560.7 841.1

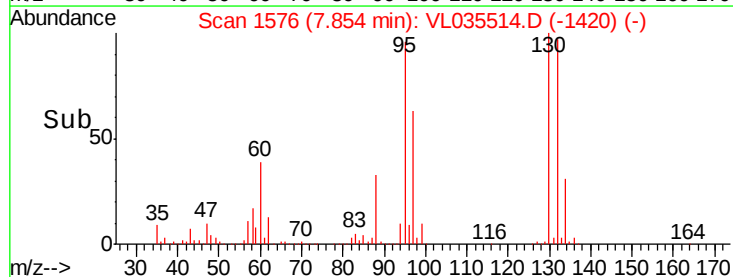
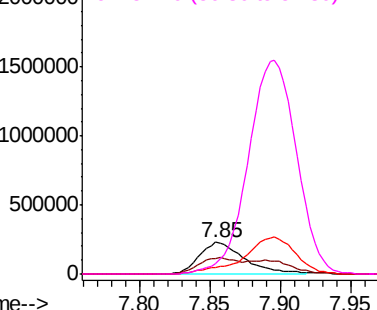


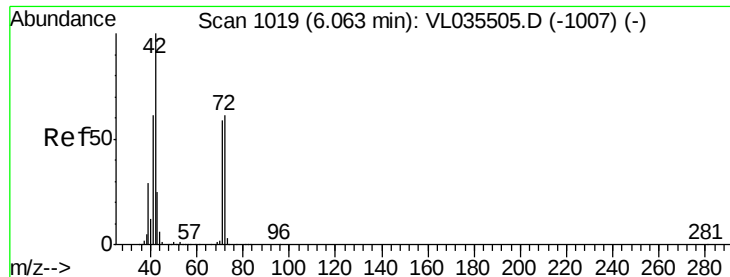
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.712 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

VL0827ABS01

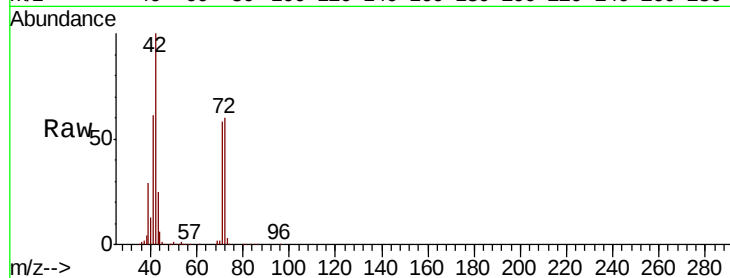
Tot Ion: 42 Resp: 753449

Ion Ratio Lower Upper

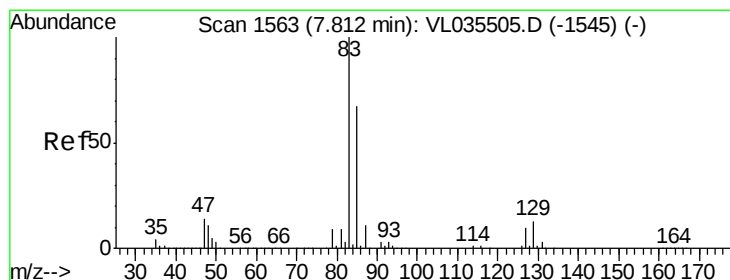
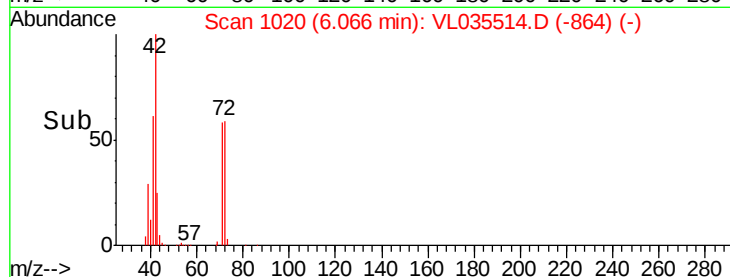
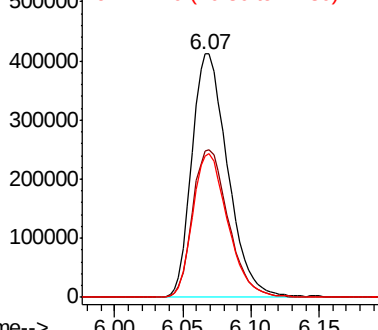
42 100

72 60.6 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: 10.686 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

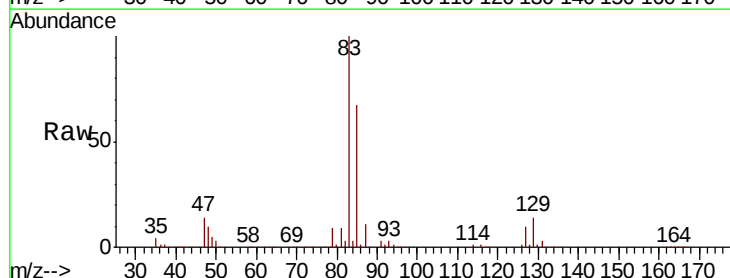
Tgt Ion: 83 Resp: 2383554

Ion Ratio Lower Upper

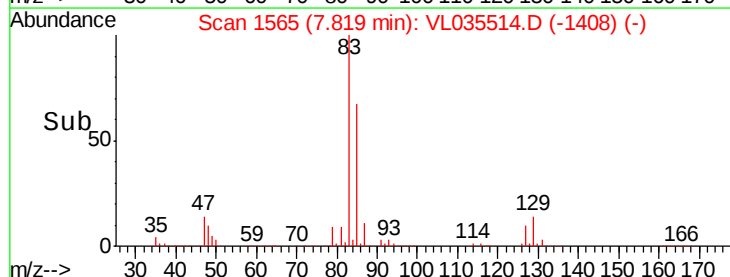
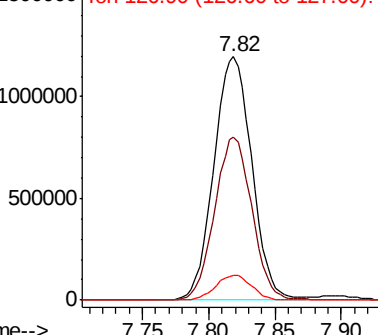
83 100

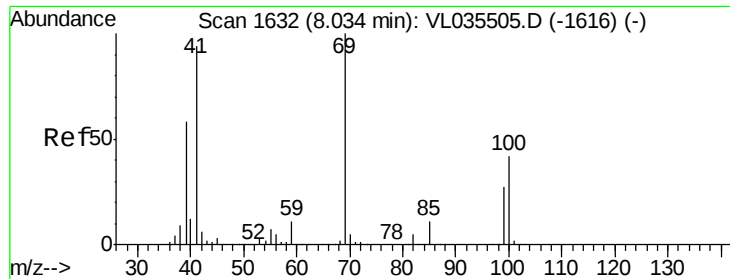
85 66.7 53.7 80.5

127 10.4 8.1 12.1



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

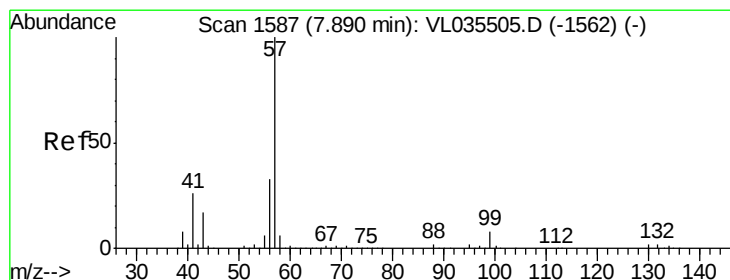
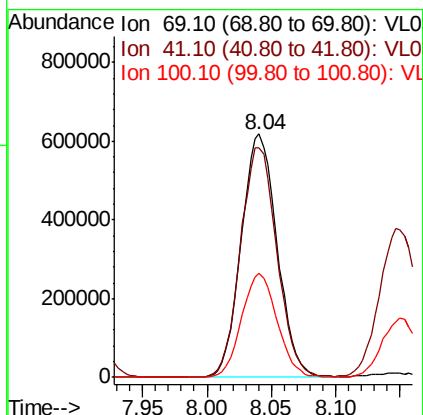
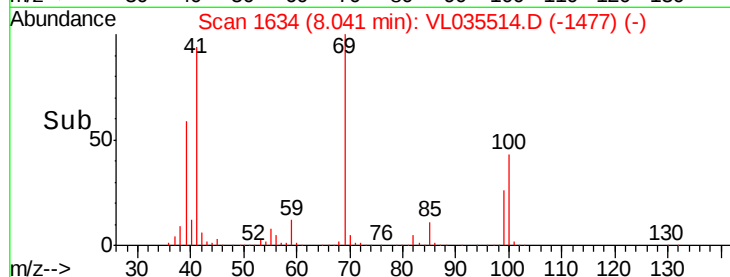
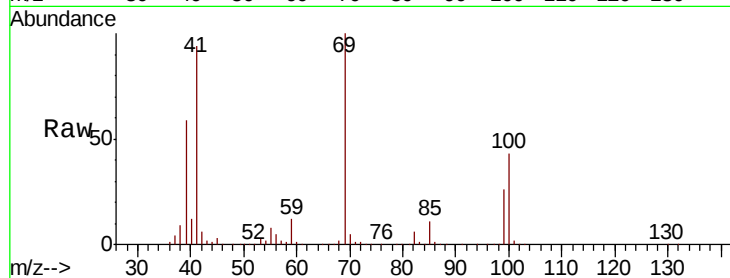




#43
Methyl Methacrylate
Concen: 10.716 ppbv
RT: 8.04 min Scan# 1634
Delta R.T. 0.01 min
Lab File: VL035514.D
Acq: 27 Aug 2020 9:17

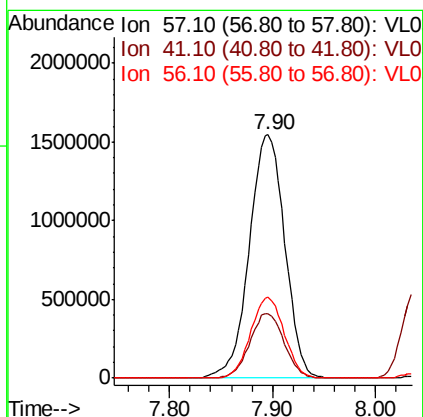
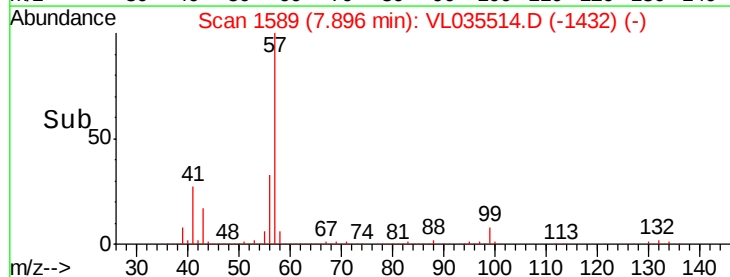
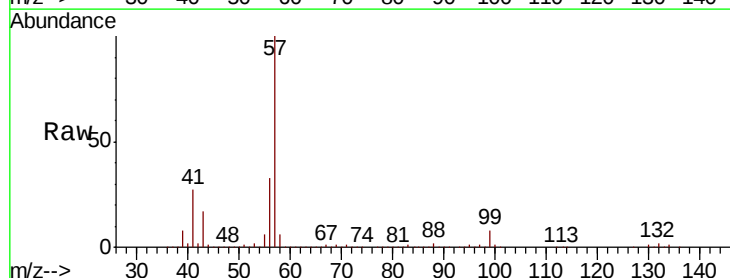
Instrument :
MSVOA_L
ClientSampleId :
VL0827ABS01

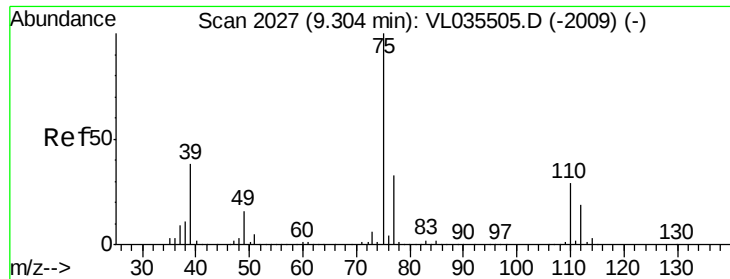
Tot Ion: 69 Resp: 1198740
Ion Ratio Lower Upper
69 100
41 96.0 76.6 114.8
100 42.3 33.8 50.6



#44
2,2,4-Trimethylpentane
Concen: 9.684 ppbv
RT: 7.90 min Scan# 1589
Delta R.T. 0.01 min
Lab File: VL035514.D
Acq: 27 Aug 2020 9:17

Tgt Ion: 57 Resp: 3686253
Ion Ratio Lower Upper
57 100
41 25.7 20.5 30.7
56 31.5 25.3 37.9

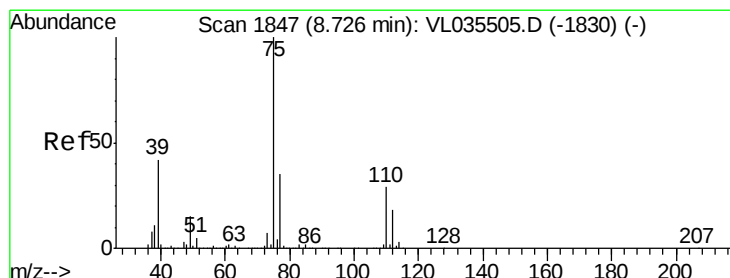
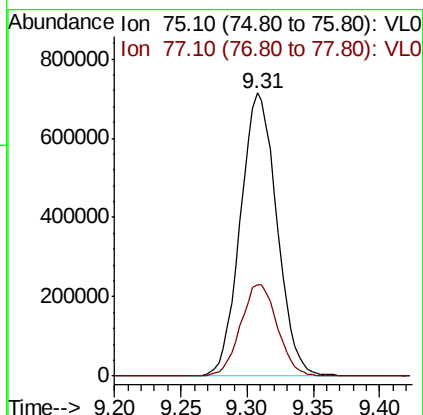
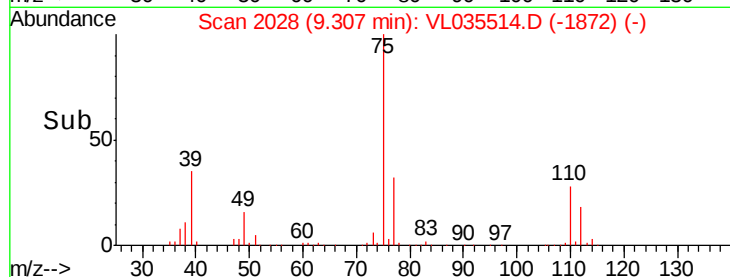
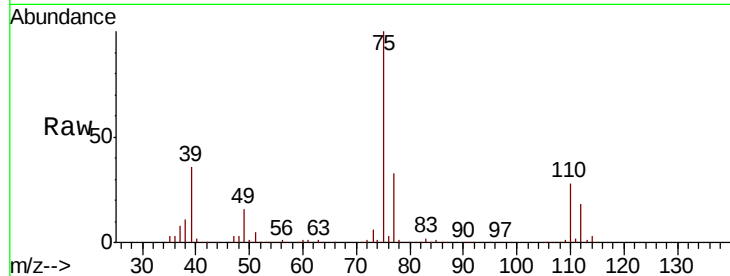




#45
 t-1,3-Dichloropropene
 Concen: 12.058 ppbv
 RT: 9.31 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

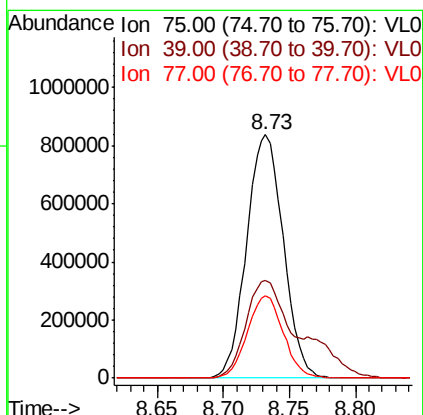
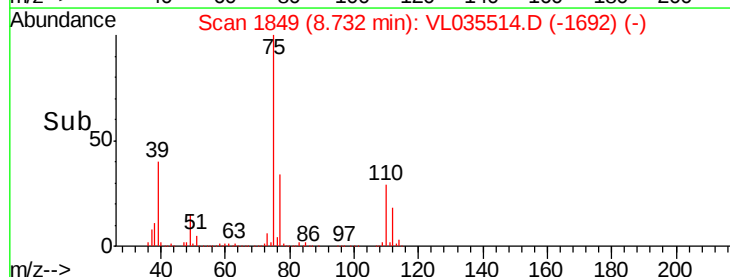
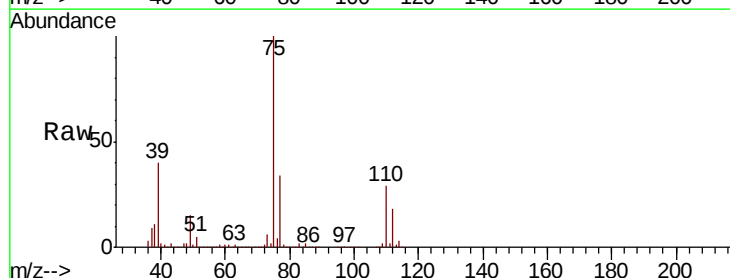
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0827ABS01

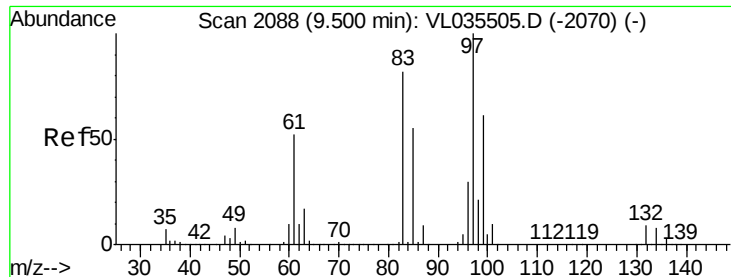
Tot Ion: 75 Resp: 1366535
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.5 39.7



#46
 cis-1,3-Dichloropropene
 Concen: 11.488 ppbv
 RT: 8.73 min Scan# 1849
 Delta R.T. 0.01 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

Tgt Ion: 75 Resp: 1616359
 Ion Ratio Lower Upper
 75 100
 39 40.2 33.7 50.5
 77 33.7 27.8 41.6

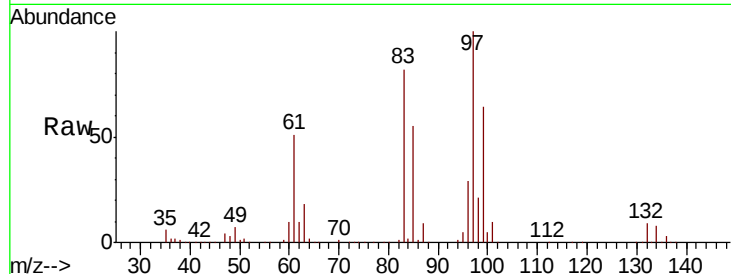




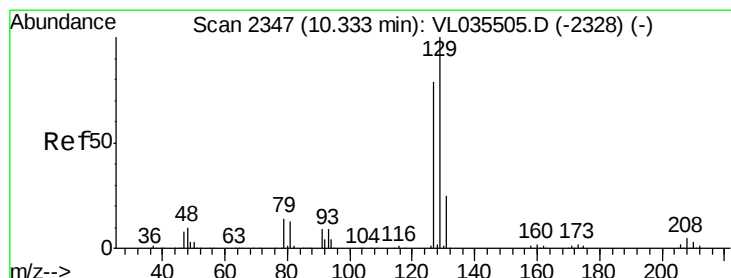
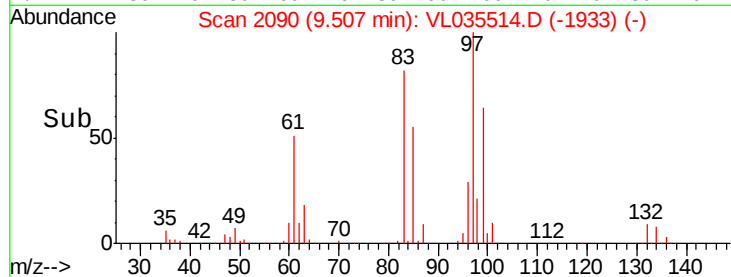
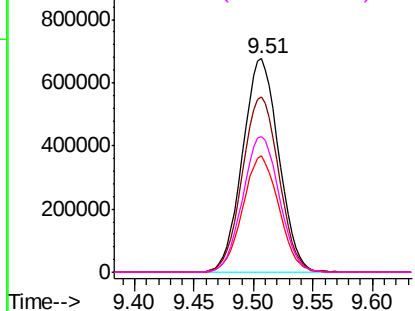
#47
 1,1,2-Trichloroethane
 Concen: 9.903 ppbv
 RT: 9.51 min Scan# 2090
 Delta R.T. 0.01 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0827ABS01

Tot Ion:	97	Resp:	1428123
Ion	Ratio	Lower	Upper
97	100		
83	82.2	65.4	98.2
85	54.6	43.7	65.5
99	63.6	49.1	73.7

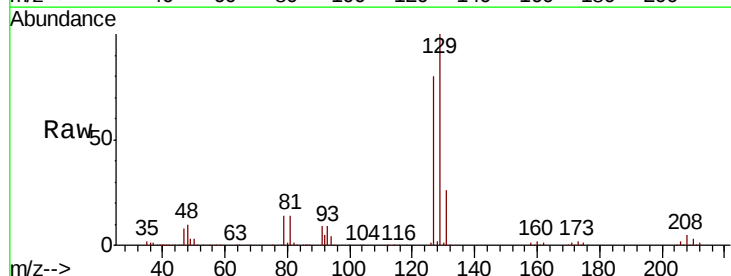


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

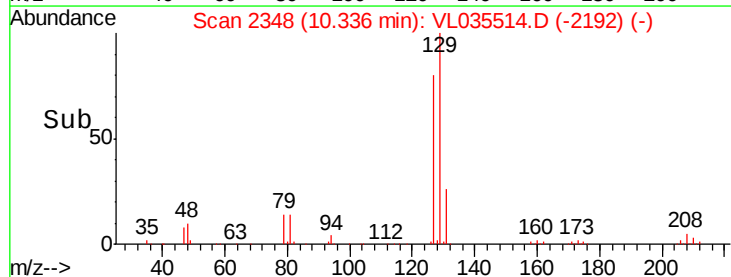
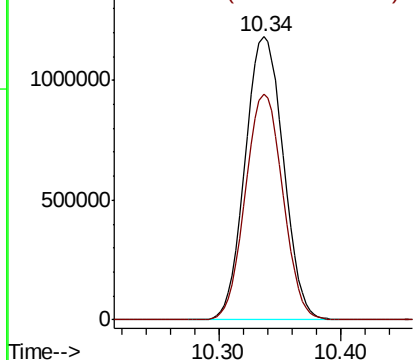


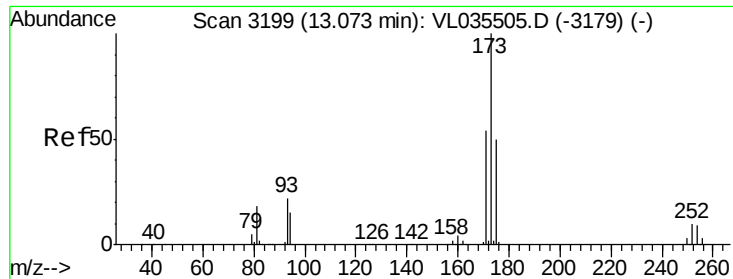
#48
 Dibromochloromethane
 Concen: 11.285 ppbv
 RT: 10.34 min Scan# 2348
 Delta R.T. 0.00 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

Tgt Ion:	129	Resp:	2561246
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

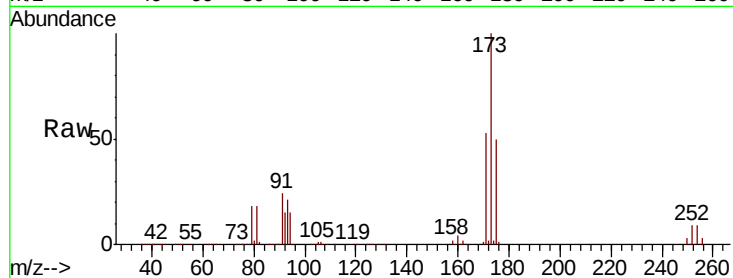




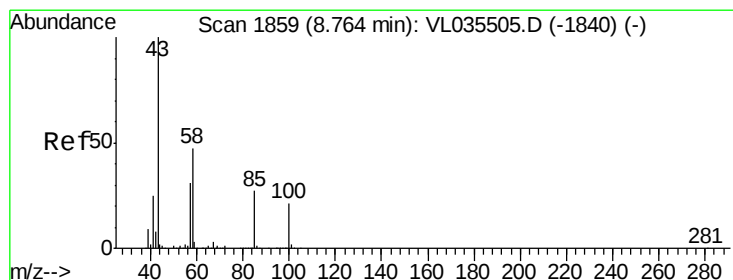
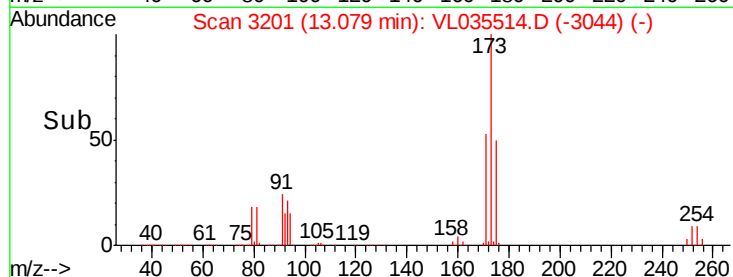
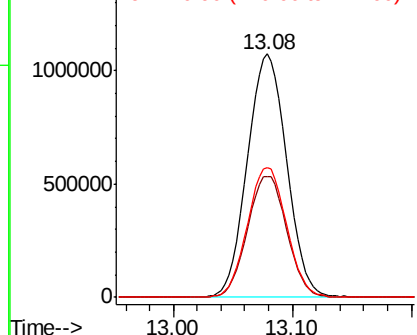
#49
Bromoform
Concen: 11.940 ppbv
RT: 13.08 min Scan# 3201
Delta R.T. 0.01 min
Lab File: VL035514.D
Acq: 27 Aug 2020 9:17

Instrument :
MSVOA_L
ClientSampleId :
VL0827ABS01

Tot Ion:173 Resp: 2455933
Ion Ratio Lower Upper
173 100
175 50.1 39.8 59.8
171 53.3 42.4 63.6

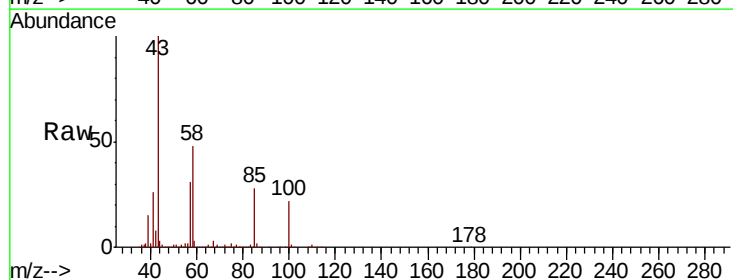


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

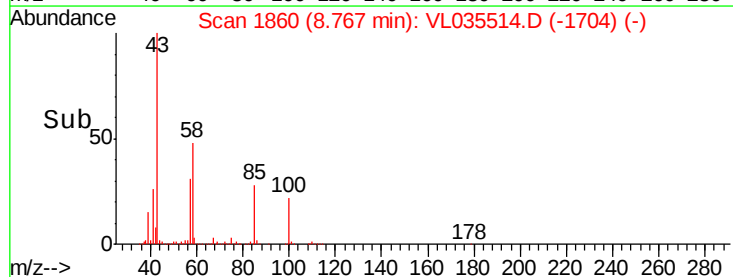
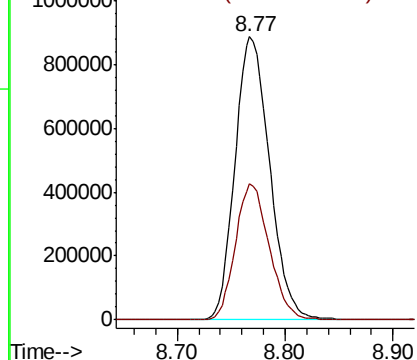


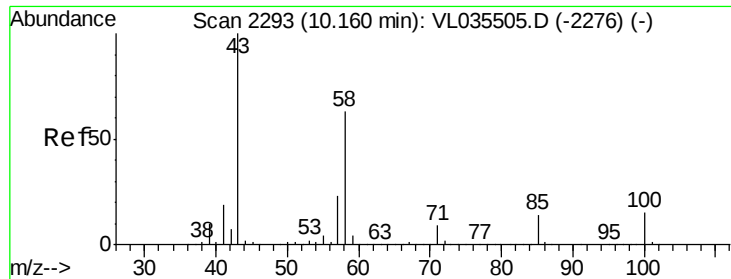
#50
4-Methyl-2-Pentanone
Concen: 10.317 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VL035514.D
Acq: 27 Aug 2020 9:17

Tgt Ion: 43 Resp: 1981573
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

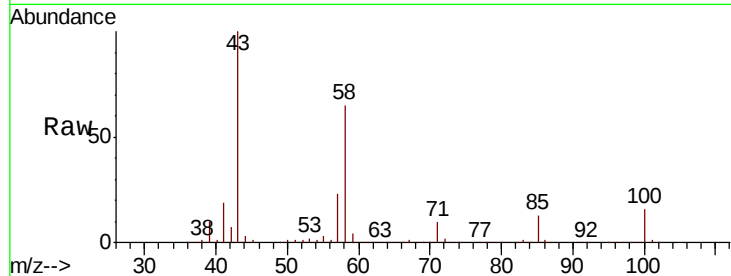




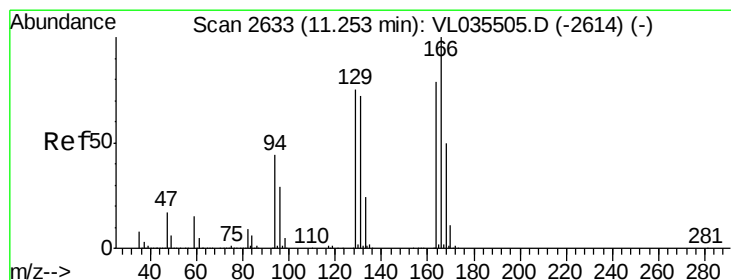
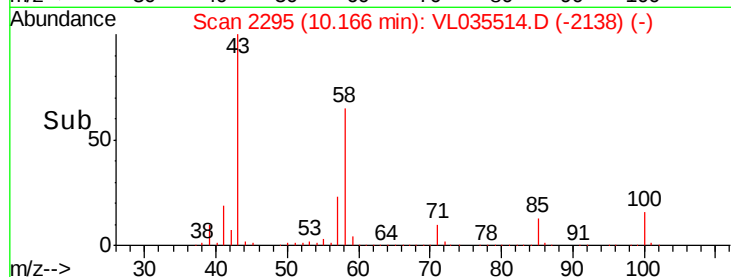
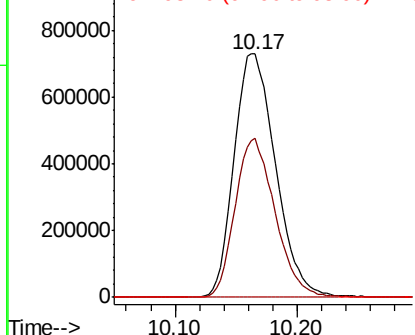
#51
2-Hexanone
Concen: 10.934 ppbv
RT: 10.17 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VL035514.D
Acq: 27 Aug 2020 9:17

Instrument :
MSVOA_L
ClientSampleId :
VL0827ABS01

Tot Ion: 43 Resp: 1722593
Ion Ratio Lower Upper
43 100
58 63.1 50.2 75.4
98 0.5 0.4 0.6

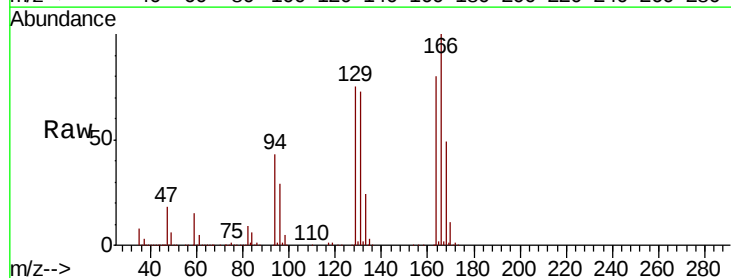


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

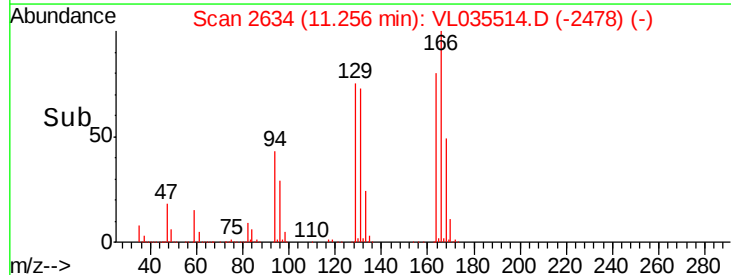
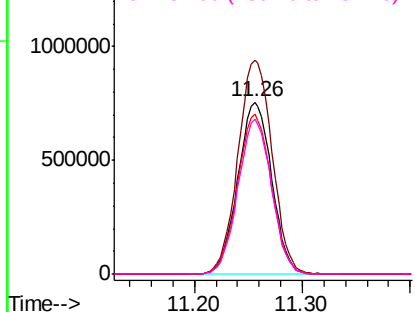


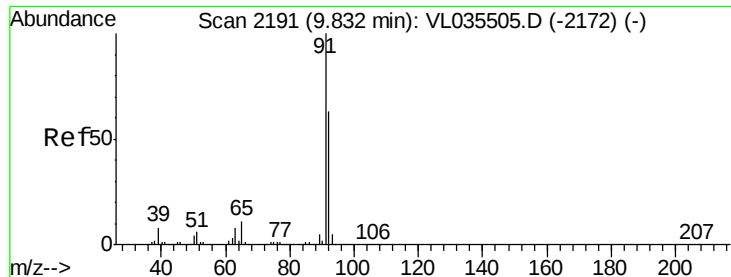
#52
Tetrachloroethene
Concen: 9.751 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VL035514.D
Acq: 27 Aug 2020 9:17

Tgt Ion: 164 Resp: 1648038
Ion Ratio Lower Upper
164 100
166 124.4 100.9 151.3
129 93.4 75.3 112.9
131 90.4 73.0 109.4



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.255 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

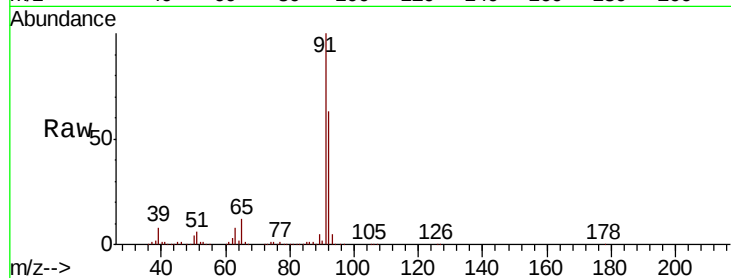
VL0827ABS01

Tot Ion: 91 Resp: 3730778

Ion Ratio Lower Upper

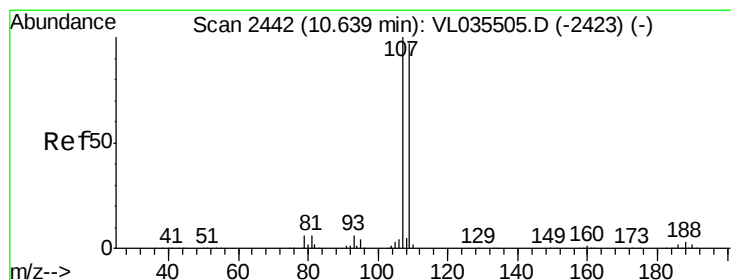
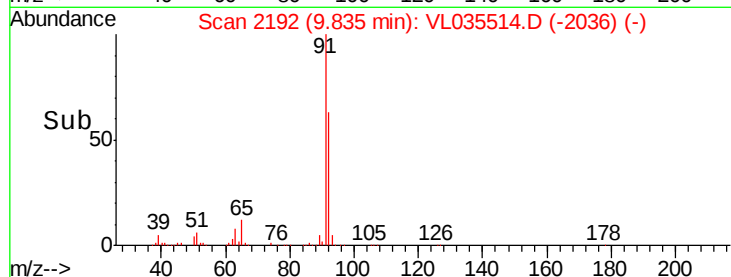
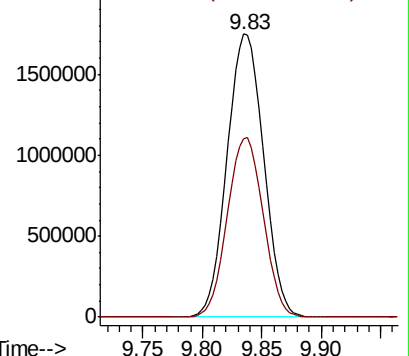
91 100

92 62.4 49.8 74.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.174 ppbv

RT: 10.64 min Scan# 2444

Delta R.T. 0.01 min

Lab File: VL035514.D

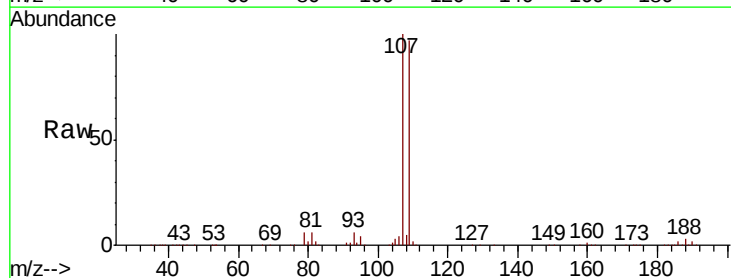
Acq: 27 Aug 2020 9:17

Tgt Ion: 107 Resp: 2318255

Ion Ratio Lower Upper

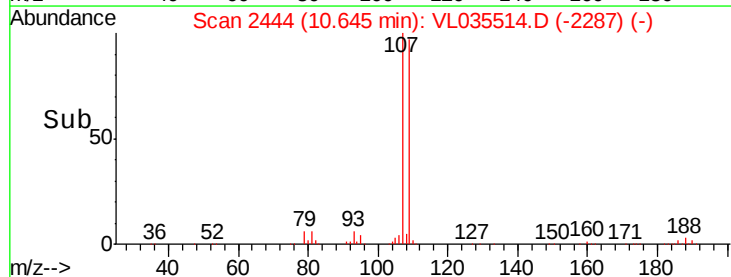
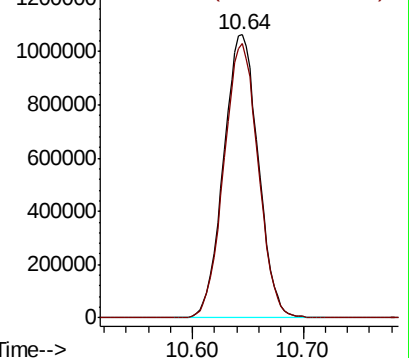
107 100

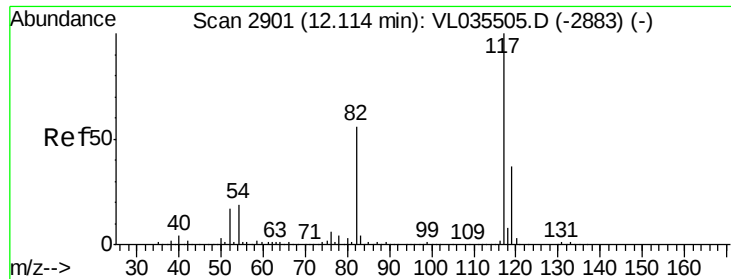
109 97.1 77.8 116.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

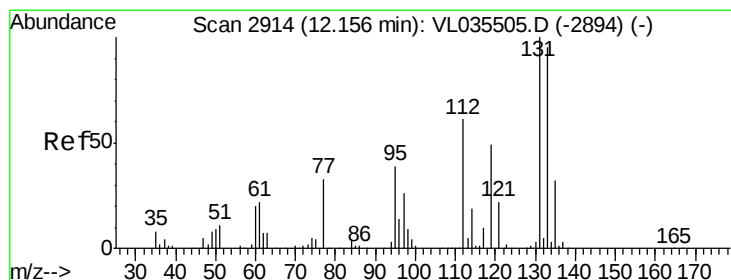
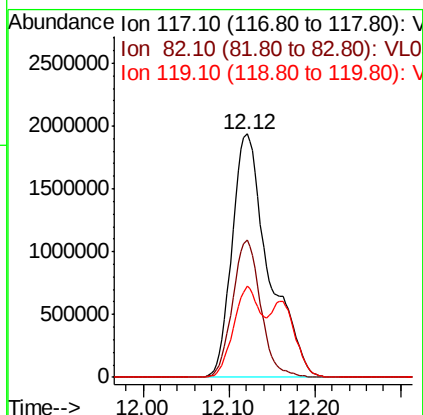
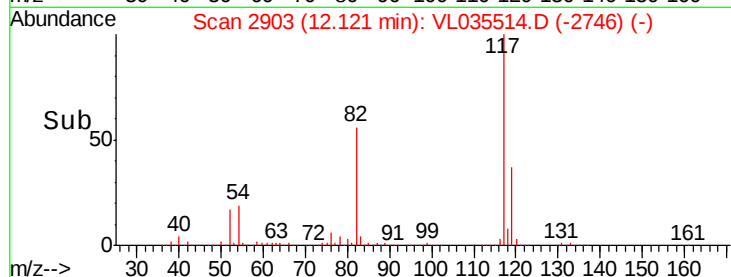
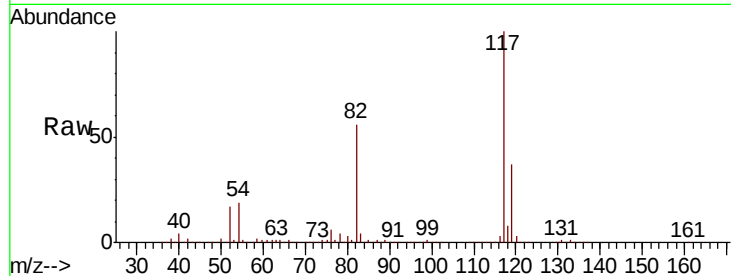




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL035514.D
Acq: 27 Aug 2020 9:17

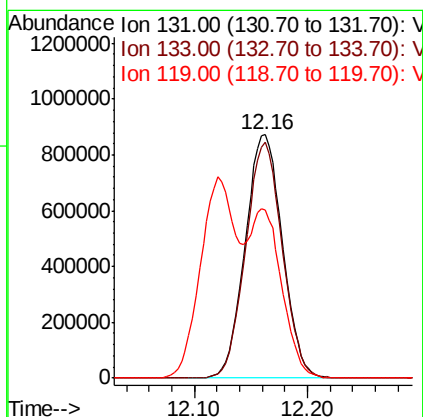
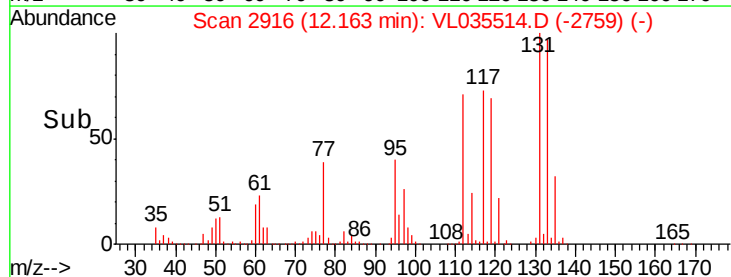
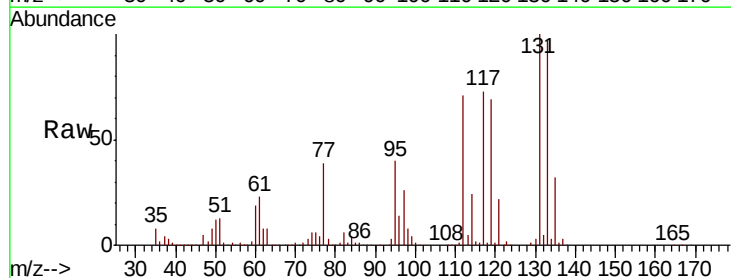
Instrument :
MSVOA_L
ClientSampleId :
VL0827ABS01

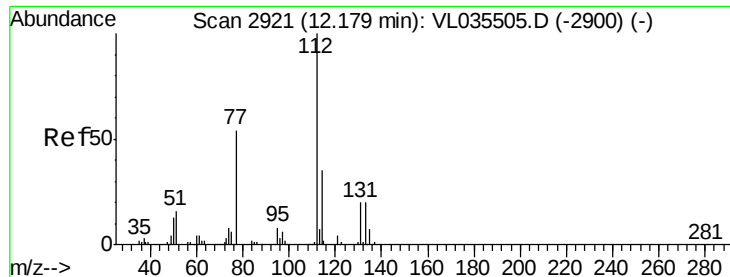
Tot Ion:117 Resp: 5738033
Ion Ratio Lower Upper
117 100
82 43.5 41.6 62.4
119 29.8 29.3 43.9



#56
1,1,1,2-Tetrachloroethane
Concen: 8.536 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL035514.D
Acq: 27 Aug 2020 9:17

Tgt Ion:131 Resp: 1992890
Ion Ratio Lower Upper
131 100
133 95.6 76.6 115.0
119 61.6 51.6 77.4





#57

Chlorobenzene

Concen: 7.654 ppbv

RT: 12.18 min Scan# 2922

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

VL0827ABS01

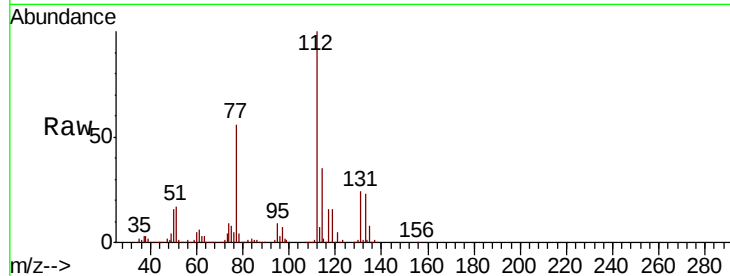
Tot Ion:112 Resp: 3232391

Ion Ratio Lower Upper

112 100

77 55.5 44.2 66.4

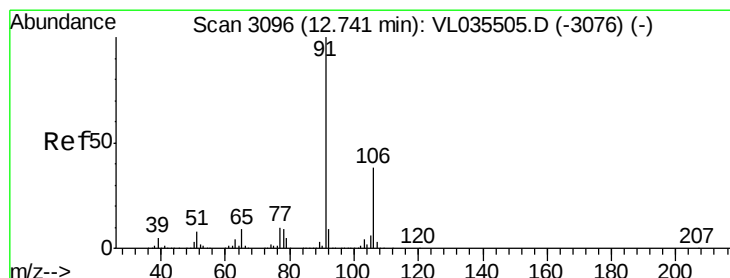
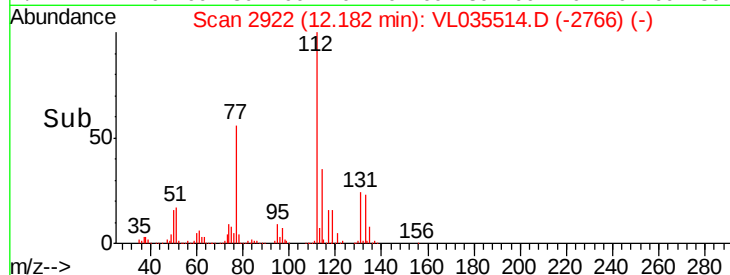
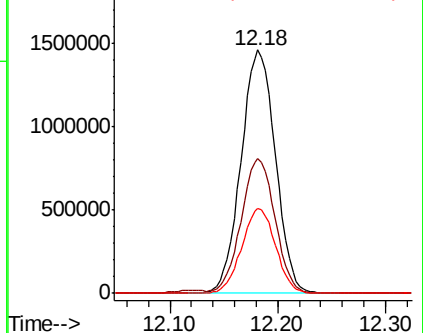
114 35.1 31.6 38.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.308 ppbv

RT: 12.74 min Scan# 3097

Delta R.T. 0.00 min

Lab File: VL035514.D

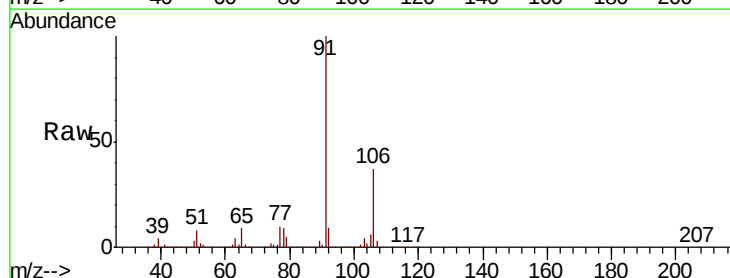
Acq: 27 Aug 2020 9:17

Tgt Ion: 91 Resp: 4915815

Ion Ratio Lower Upper

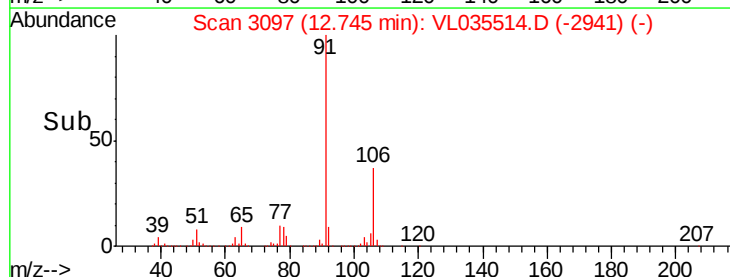
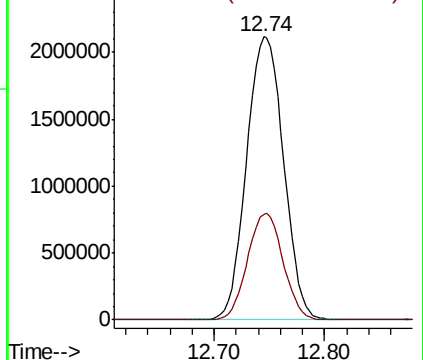
91 100

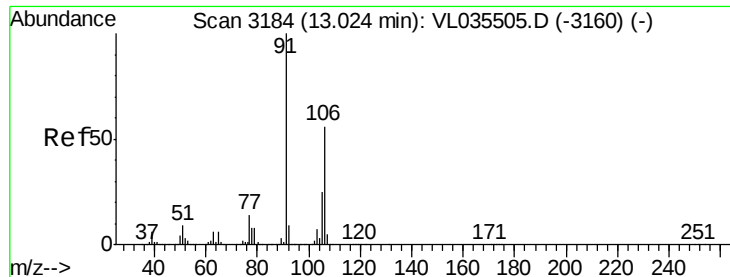
106 37.2 30.3 45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

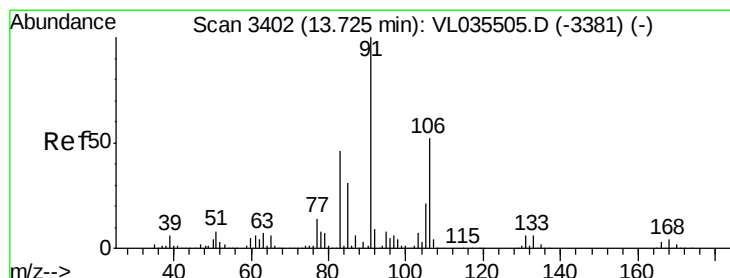
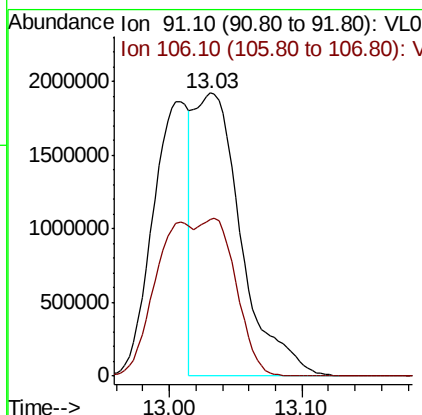
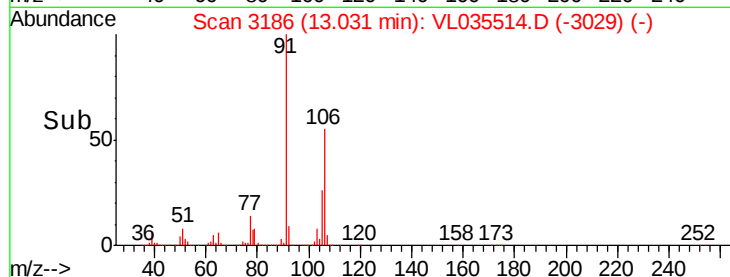
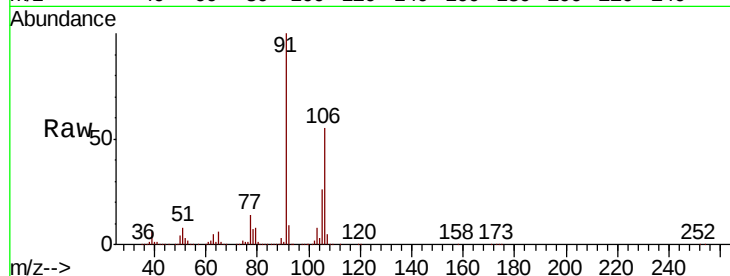




#59
m/p-Xylene
Concen: 9.612 ppbv
RT: 13.03 min Scan# 3186
Delta R.T. 0.01 min
Lab File: VL035514.D
Acq: 27 Aug 2020 9:17

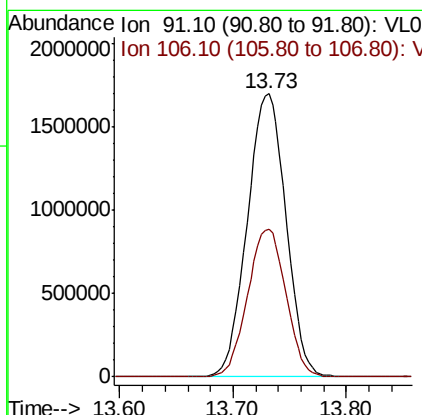
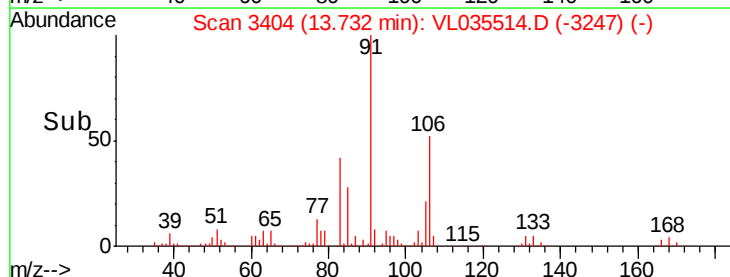
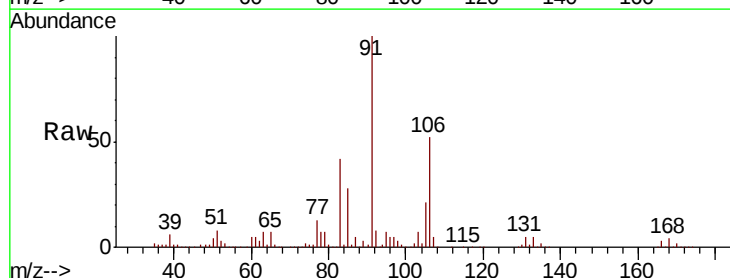
Instrument :
MSVOA_L
ClientSampleId :
VL0827ABS01

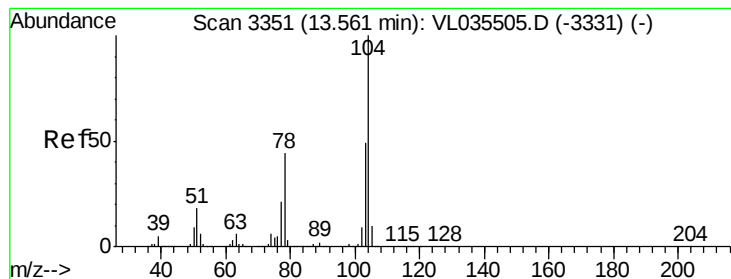
Tot Ion: 91 Resp: 4752378
Ion Ratio Lower Upper
91 100
106 90.0 43.4 65.2#



#60
o-Xylene
Concen: 8.084 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. 0.01 min
Lab File: VL035514.D
Acq: 27 Aug 2020 9:17

Tgt Ion: 91 Resp: 4025540
Ion Ratio Lower Upper
91 100
106 51.9 25.8 77.4





#61

Stvrene

Concen: 8.793 ppbv

RT: 13.56 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

VL0827ABS01

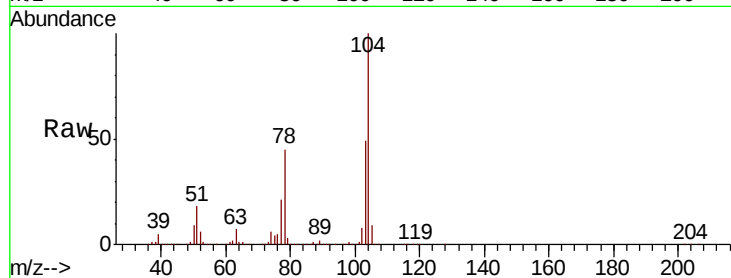
Tot Ion:104 Resp: 3348769

Ion Ratio Lower Upper

104 100

78 43.9 34.8 52.2

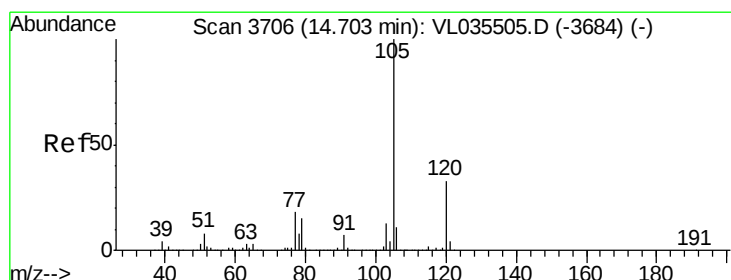
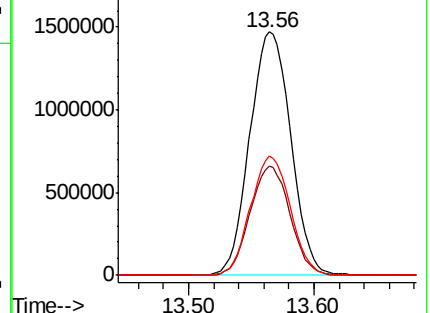
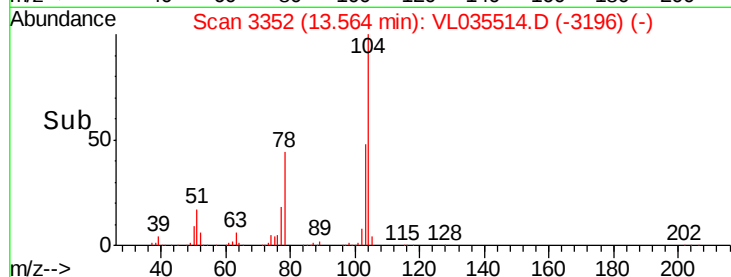
103 47.8 38.2 57.4



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: 7.851 ppbv

RT: 14.71 min Scan# 3707

Delta R.T. 0.00 min

Lab File: VL035514.D

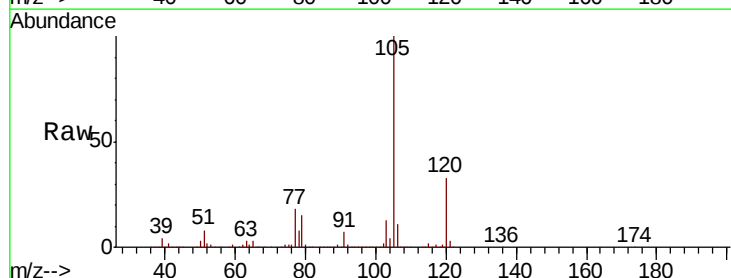
Acq: 27 Aug 2020 9:17

Tgt Ion:105 Resp: 6279715

Ion Ratio Lower Upper

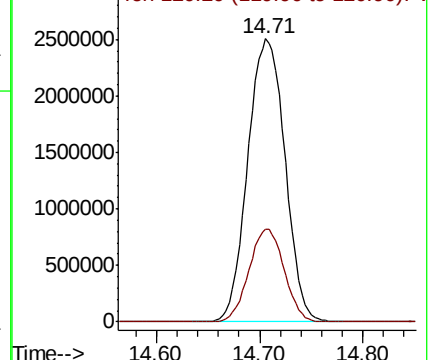
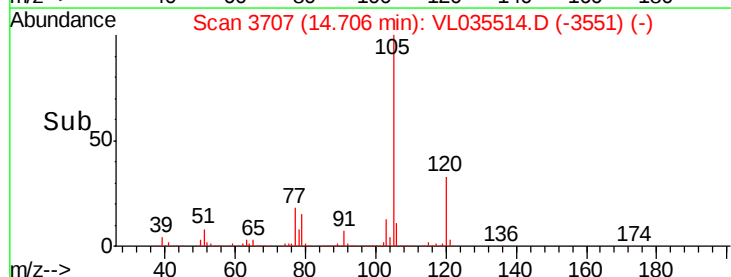
105 100

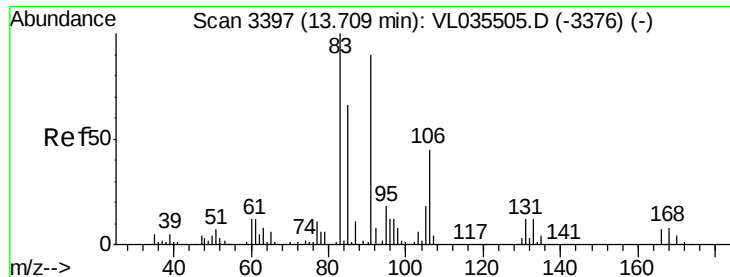
120 31.0 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

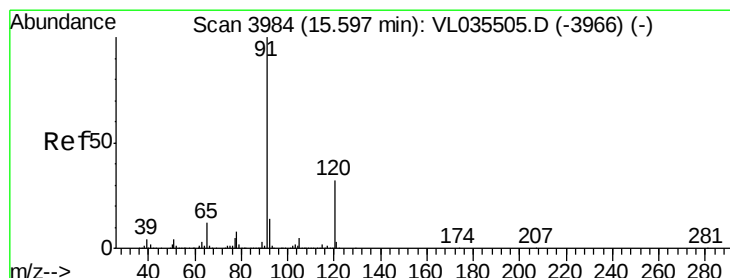
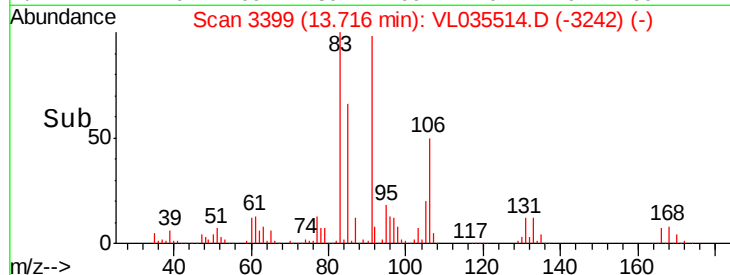
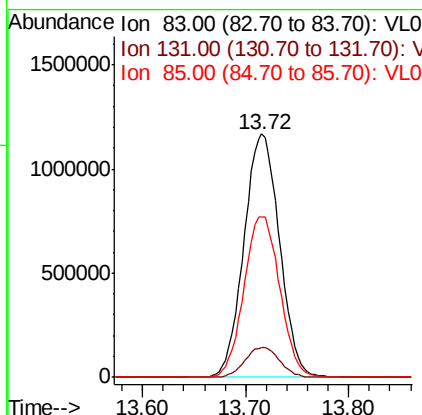
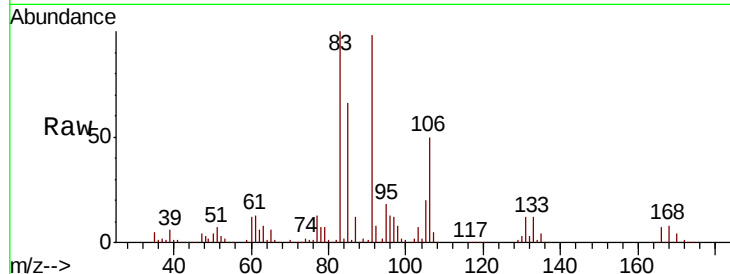




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.248 ppbv
 RT: 13.72 min Scan# 3399
 Delta R.T. 0.01 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

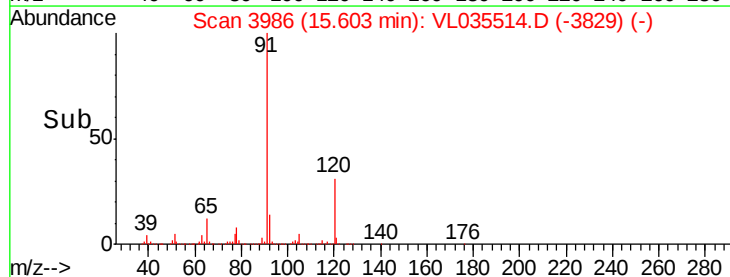
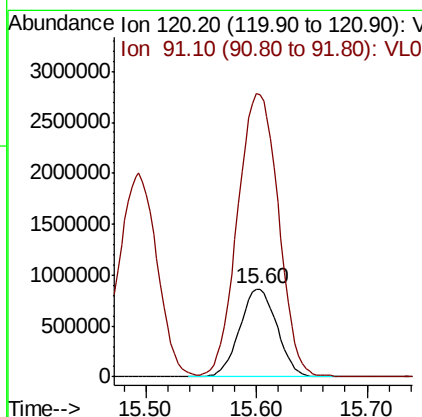
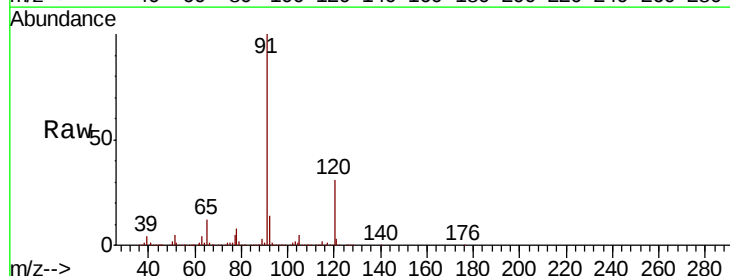
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0827ABS01

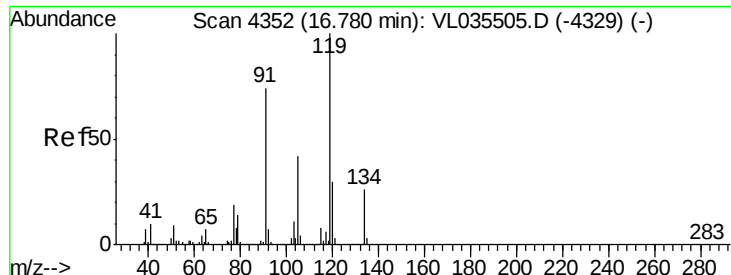
Tot Ion: 83 Resp: 2798103
 Ion Ratio Lower Upper
 83 100
 131 12.1 6.0 18.0
 85 66.8 33.4 100.2



#64
 n-propylbenzene
 Concen: 8.318 ppbv
 RT: 15.60 min Scan# 3986
 Delta R.T. 0.01 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

Tgt Ion:120 Resp: 2030444
 Ion Ratio Lower Upper
 120 100
 91 352.7 279.4 419.0





#65

tert-Butylbenzene

Concen: 8.086 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.01 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

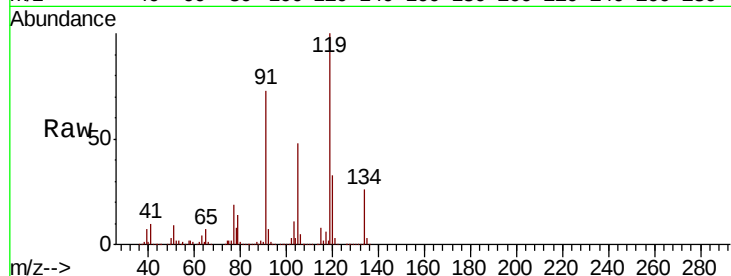
MSVOA_L

ClientSampleId :

VL0827ABS01

Tot Ion:119 Resp: 6012987

Ion	Ratio	Lower	Upper
119	100		
91	72.7	58.6	87.8
134	23.4	18.9	28.3

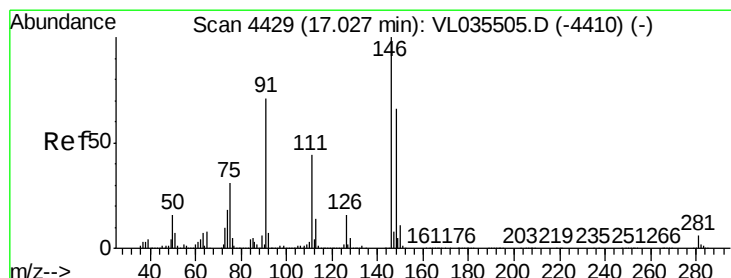
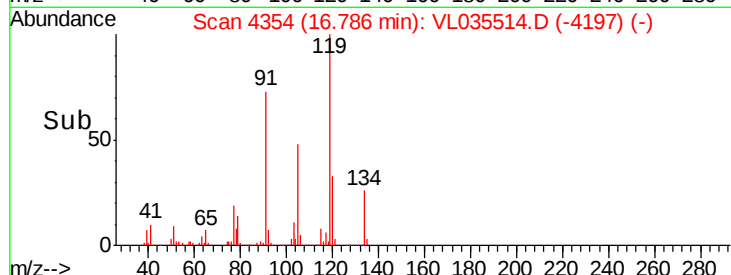
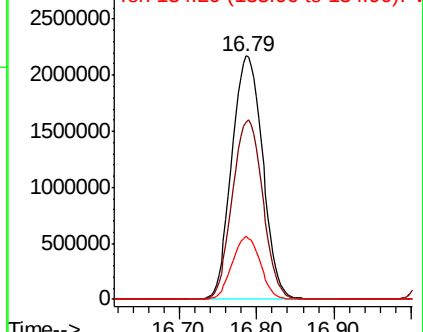


Abundance

Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.021 ppbv

RT: 17.03 min Scan# 4430

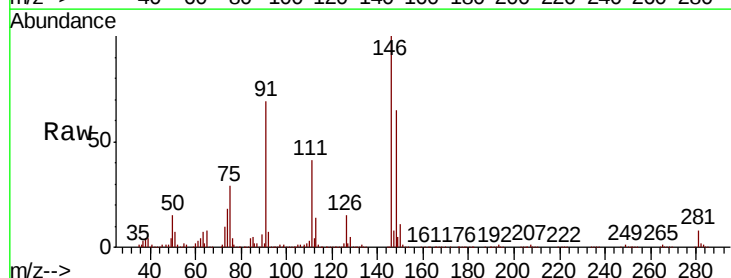
Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Tgt Ion: 91 Resp: 2036682

Ion	Ratio	Lower	Upper
91	100		
126	21.2	17.2	25.8
128	6.9	5.5	8.3

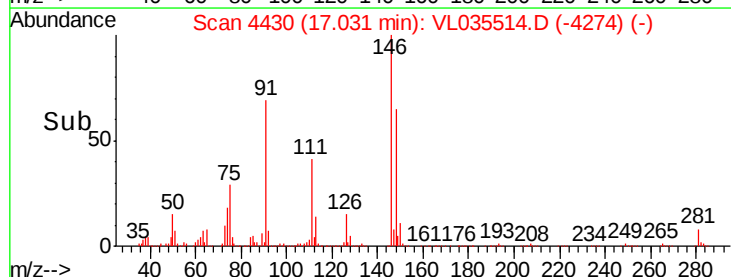
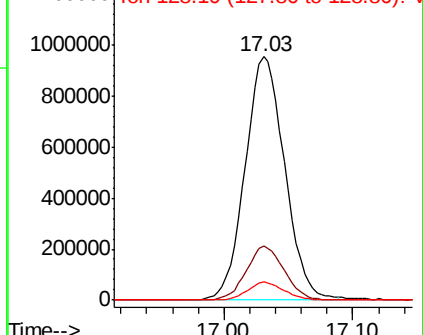


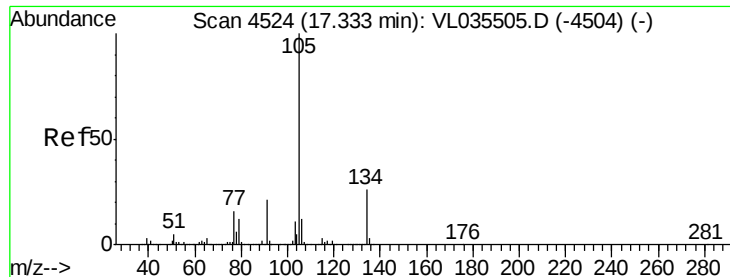
Abundance

Ion 91.10 (90.80 to 91.80): V

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

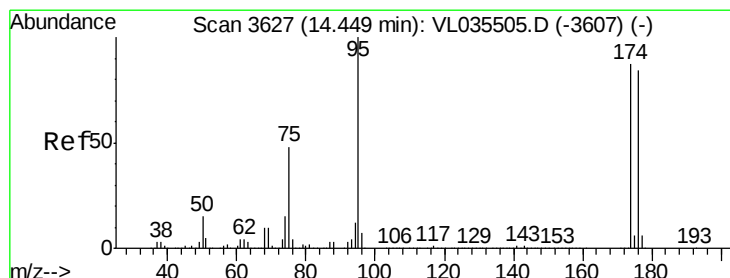
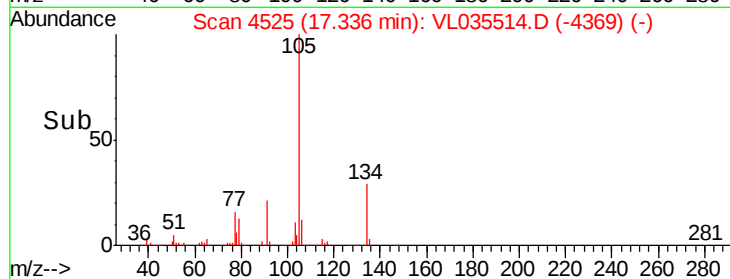
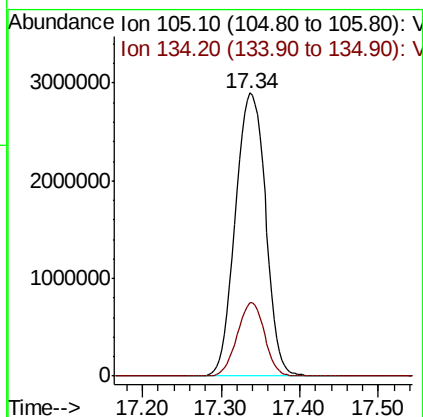
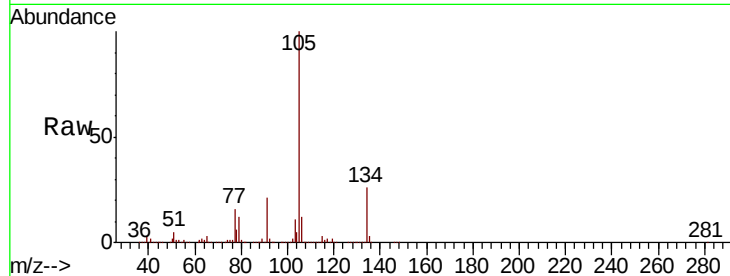




#67
 sec-Butylbenzene
 Concen: 7.891 ppbv
 RT: 17.34 min Scan# 4525
 Delta R.T. 0.00 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

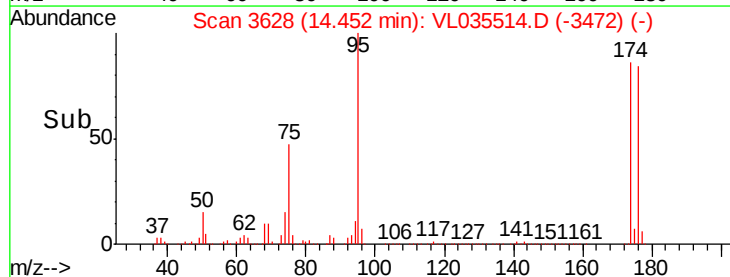
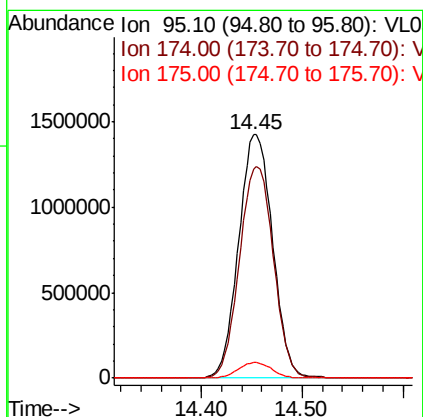
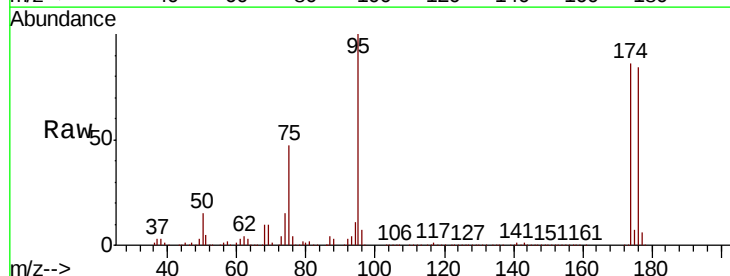
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0827ABS01

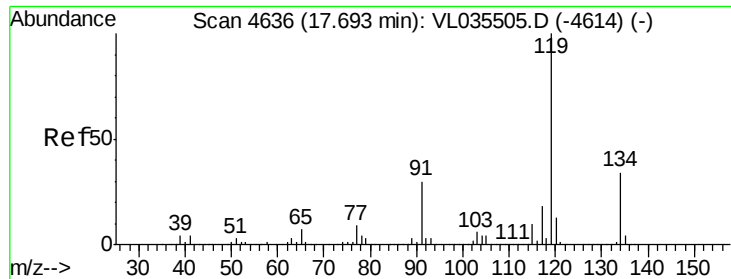
Tot Ion:105 Resp: 7816971
 Ion Ratio Lower Upper
 105 100
 134 23.5 19.1 28.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.140 ppbv
 RT: 14.45 min Scan# 3628
 Delta R.T. 0.00 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

Tgt Ion: 95 Resp: 3317073
 Ion Ratio Lower Upper
 95 100
 174 87.6 69.6 104.4
 175 6.4 5.1 7.7

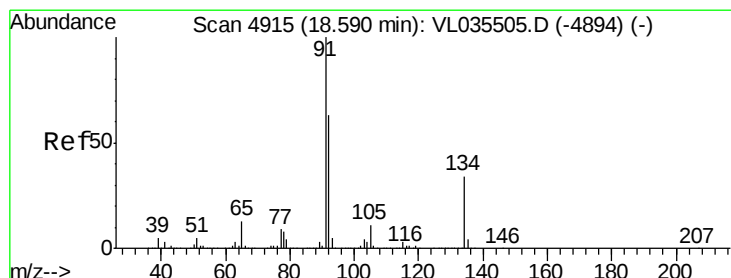
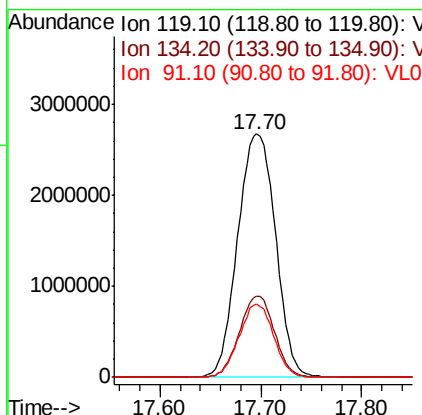
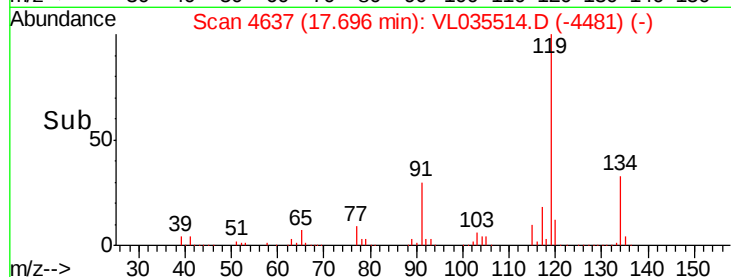
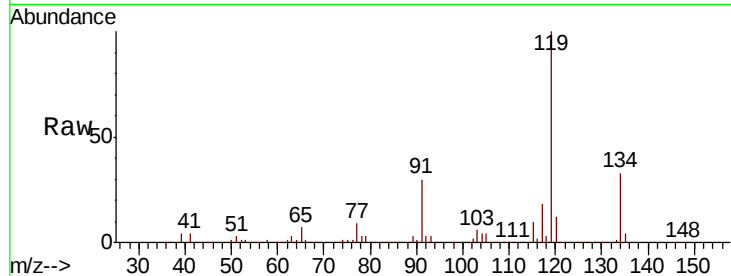




#69
 p-Isopropyltoluene
 Concen: 8.017 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. 0.00 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

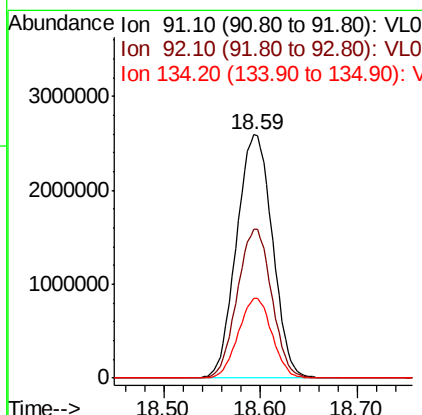
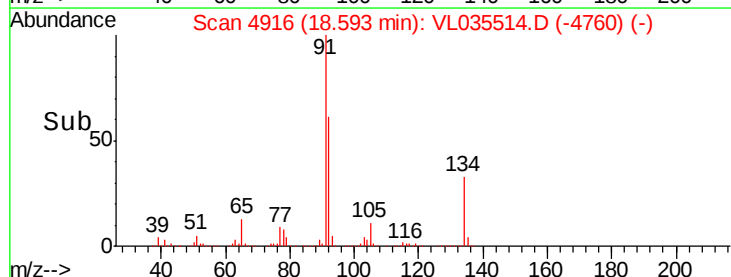
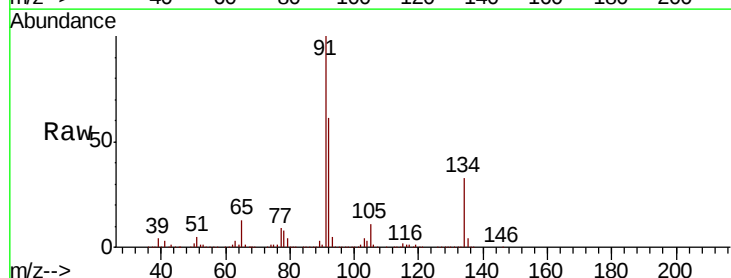
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0827ABS01

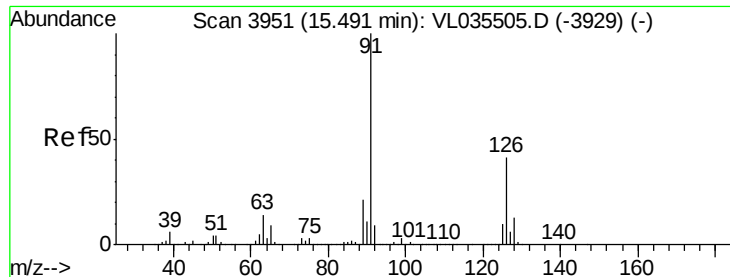
Tot Ion: 119 Resp: 6966843
 Ion Ratio Lower Upper
 119 100
 134 30.9 25.0 37.4
 91 27.6 22.3 33.5



#70
 n-Butylbenzene
 Concen: 7.978 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. 0.00 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

Tgt Ion: 91 Resp: 6678205
 Ion Ratio Lower Upper
 91 100
 92 58.8 47.3 70.9
 134 30.9 24.6 37.0





#71

2-Chlorotoluene

Concen: 8.195 ppbv

RT: 15.49 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

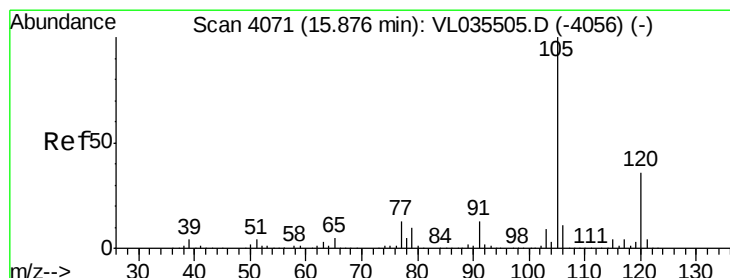
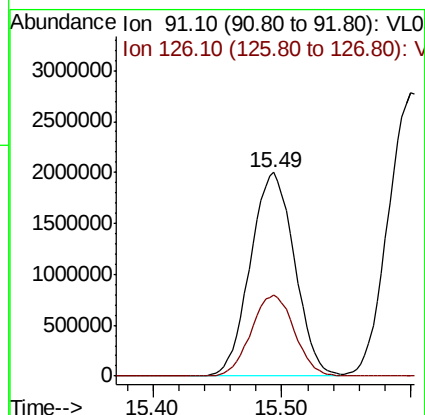
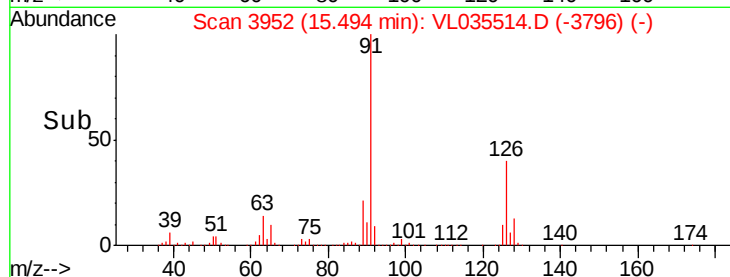
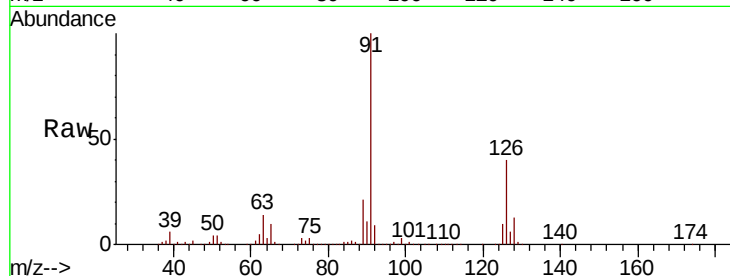
VL0827ABS01

Tot Ion: 91 Resp: 4773569

Ion Ratio Lower Upper

91 100

126 39.1 15.6 62.6



#72

4-Ethyltoluene

Concen: 8.348 ppbv

RT: 15.88 min Scan# 4072

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Tgt Ion:105 Resp: 5284858

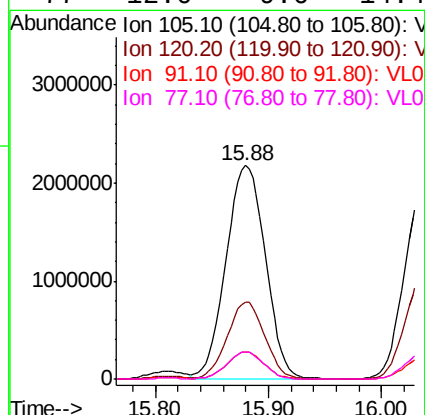
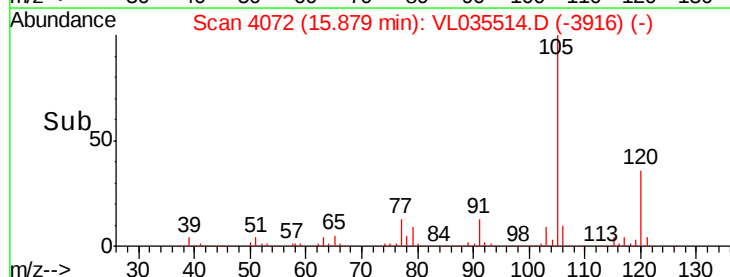
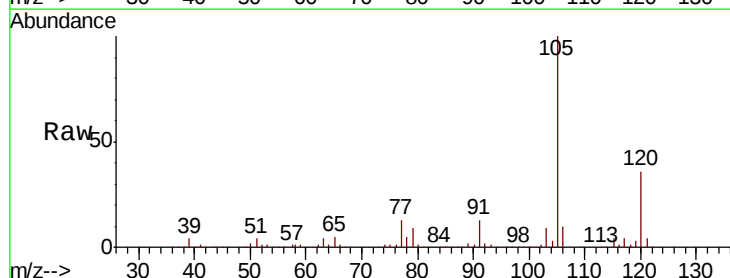
Ion Ratio Lower Upper

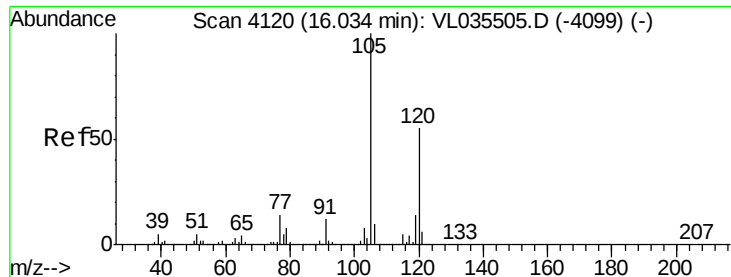
105 100

120 34.3 27.4 41.2

91 12.0 9.7 14.5

77 12.0 9.6 14.4

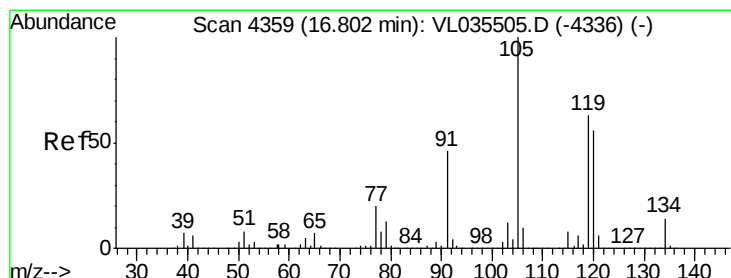
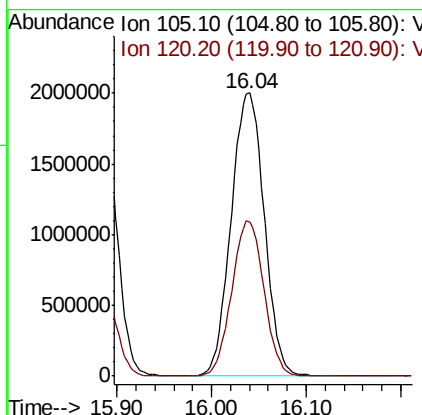
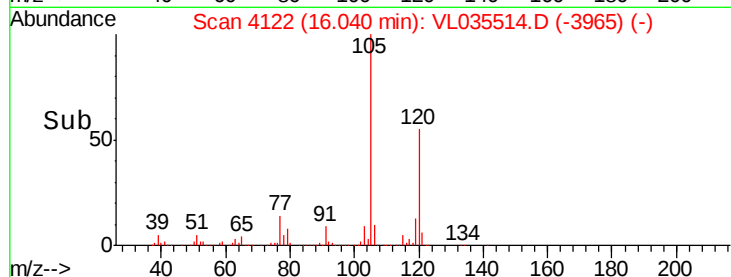
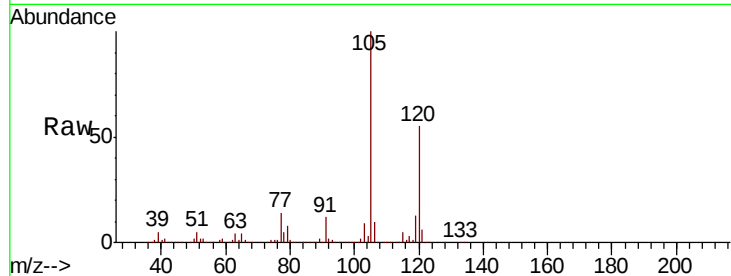




#73
 1,3,5-Trimethylbenzene
 Concen: 8.294 ppbv
 RT: 16.04 min Scan# 4122
 Delta R.T. 0.01 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

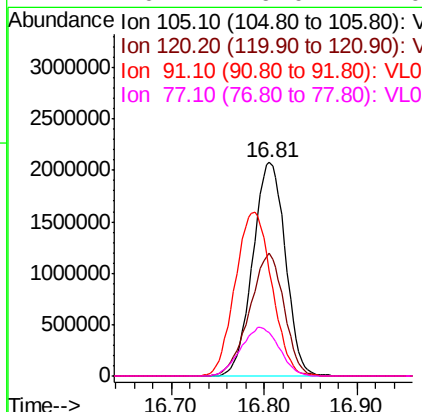
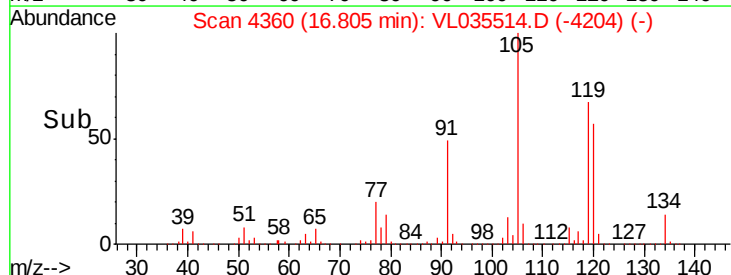
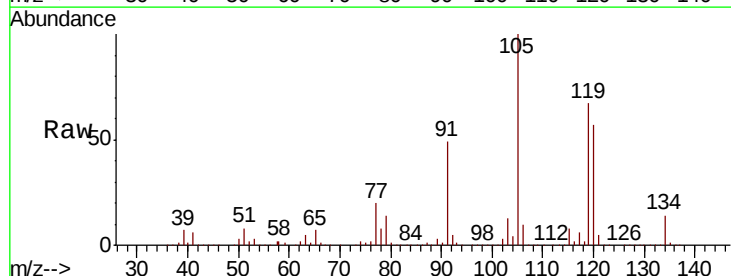
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0827ABS01

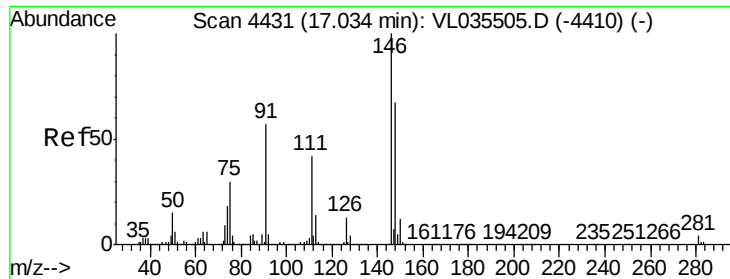
Tot Ion:105 Resp: 4856385
 Ion Ratio Lower Upper
 105 100
 120 54.7 44.2 66.2



#74
 1,2,4-Trimethylbenzene
 Concen: 7.889 ppbv
 RT: 16.81 min Scan# 4360
 Delta R.T. 0.00 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

Tgt Ion:105 Resp: 5072714
 Ion Ratio Lower Upper
 105 100
 120 57.5 44.4 66.6
 91 48.9 37.1 55.7
 77 20.2 16.0 24.0





#75

1,3-Dichlorobenzene

Concen: 7.896 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

VL0827ABS01

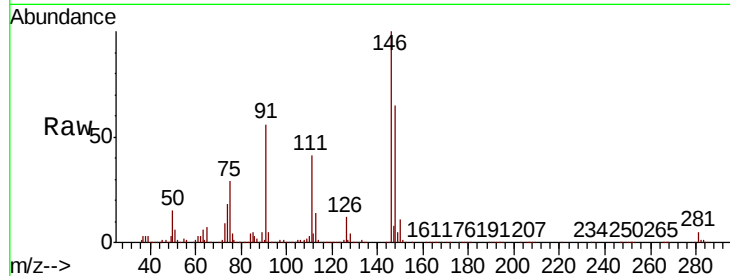
Tot Ion:146 Resp: 3761074

Ion Ratio Lower Upper

146 100

111 40.8 20.7 62.1

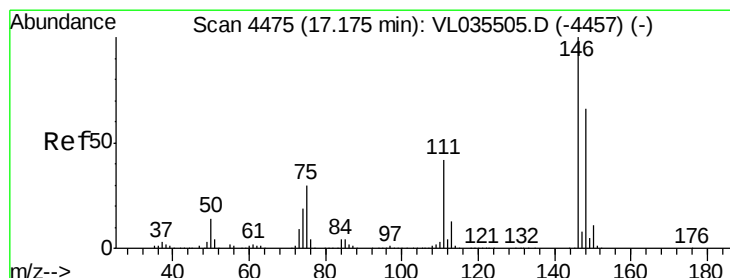
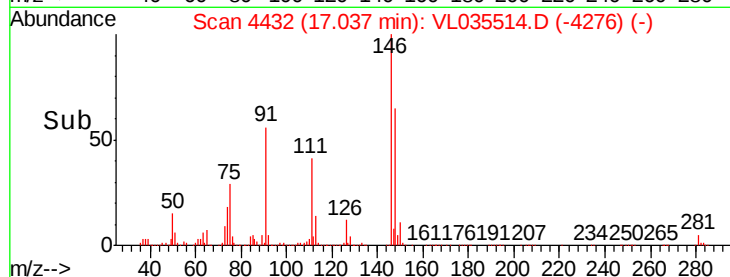
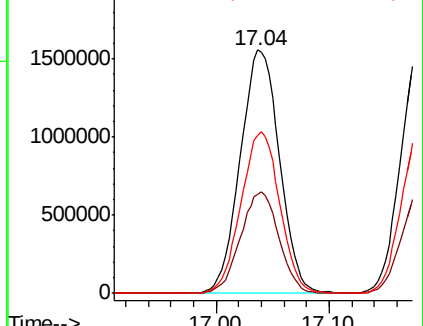
148 65.6 33.0 98.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.057 ppbv

RT: 17.18 min Scan# 4477

Delta R.T. 0.01 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

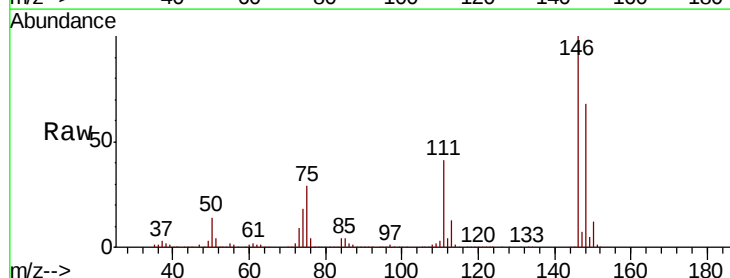
Tgt Ion:146 Resp: 3784779

Ion Ratio Lower Upper

146 100

111 40.0 20.0 60.0

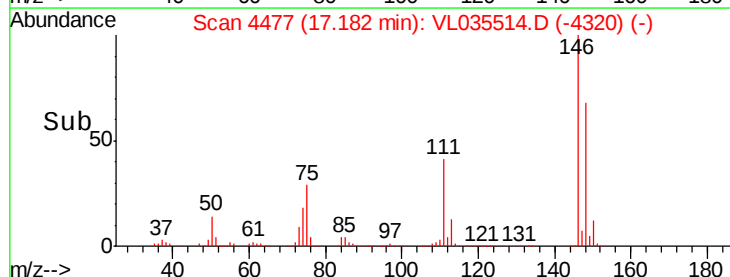
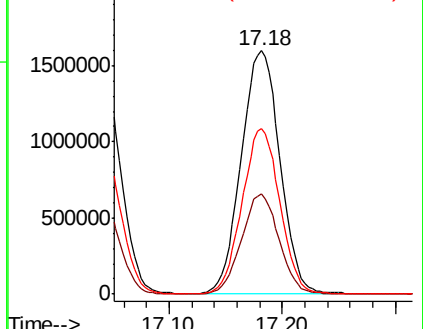
148 66.7 33.2 99.6

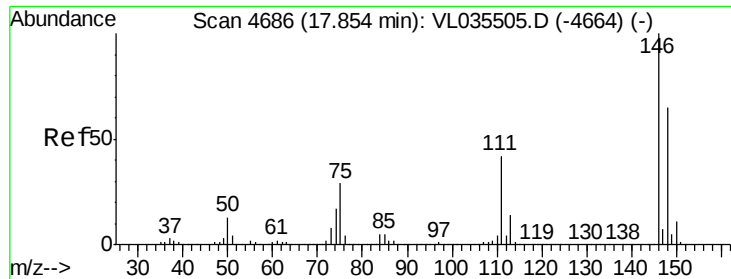


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

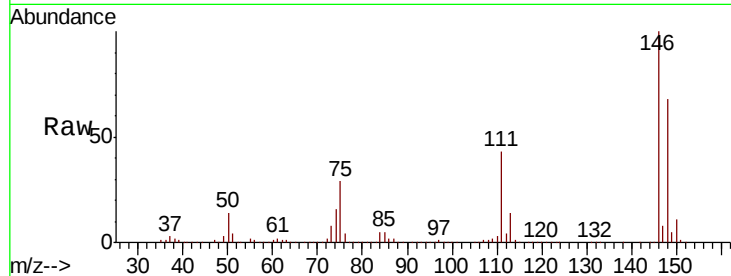




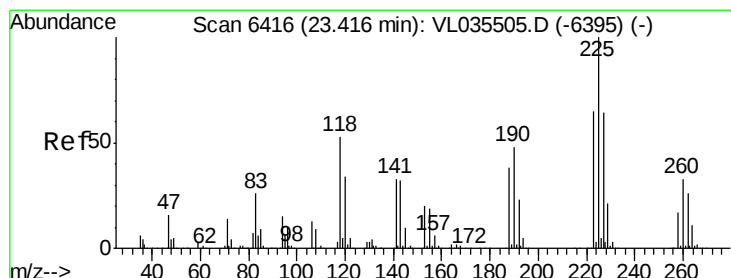
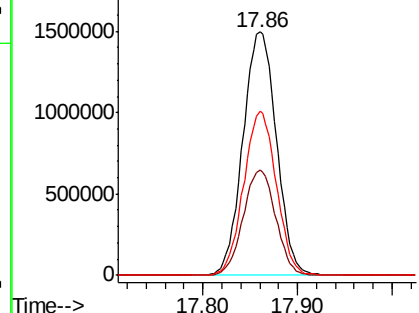
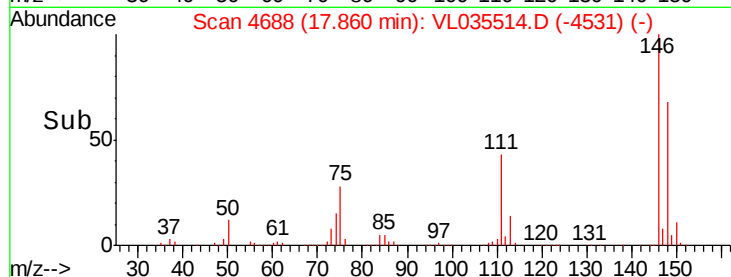
#77
 1,2-Dichlorobenzene
 Concen: 7.975 ppbv
 RT: 17.86 min Scan# 4688
 Delta R.T. 0.01 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0827ABS01

Tot Ion:146 Resp: 3680384
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.1 63.3
 148 65.7 32.9 98.7

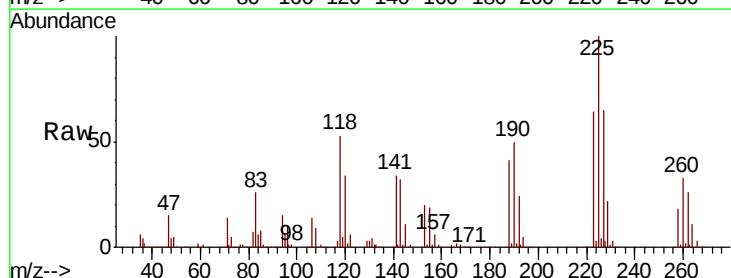


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

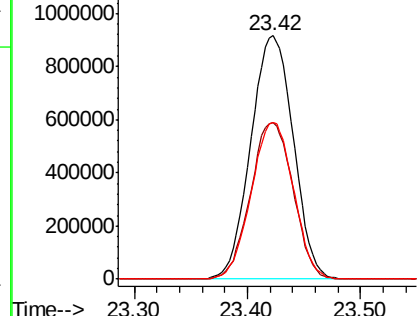
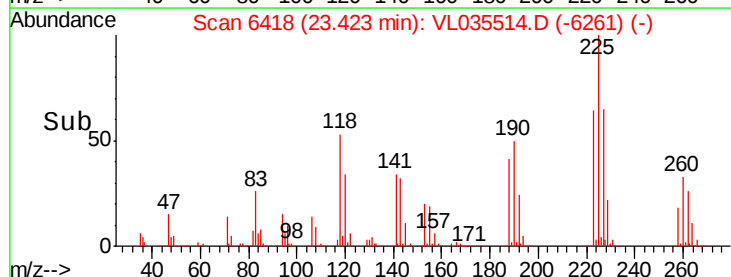


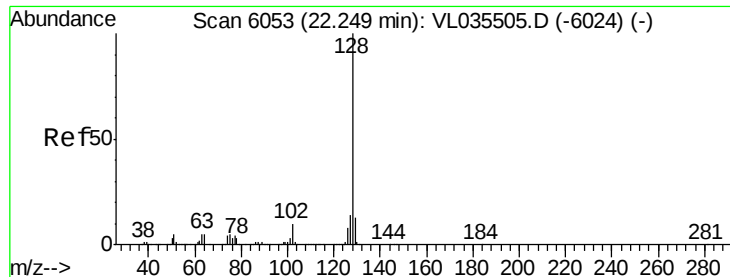
#78
 Hexachloro-1,3-Butadiene
 Concen: 8.119 ppbv
 RT: 23.42 min Scan# 6418
 Delta R.T. 0.01 min
 Lab File: VL035514.D
 Acq: 27 Aug 2020 9:17

Tgt Ion:225 Resp: 2391919
 Ion Ratio Lower Upper
 225 100
 223 64.4 51.7 77.5
 227 63.8 51.5 77.3



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.838 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

VL0827ABS01

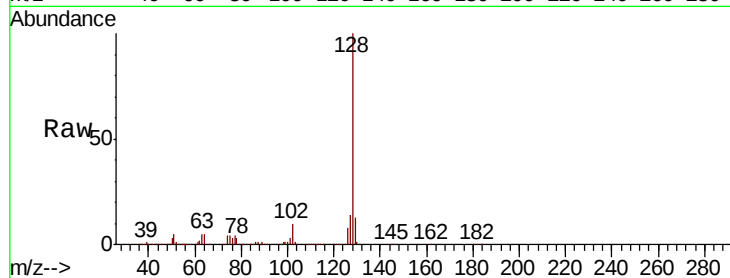
Tot Ion:128 Resp: 6305700

Ion Ratio Lower Upper

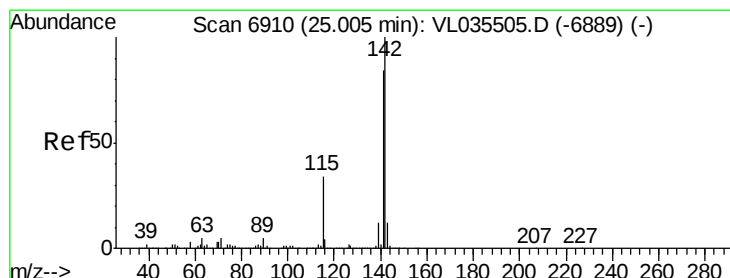
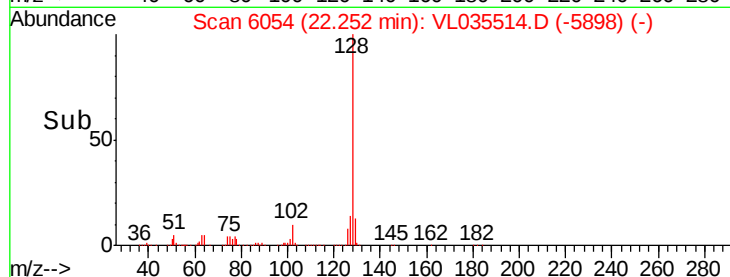
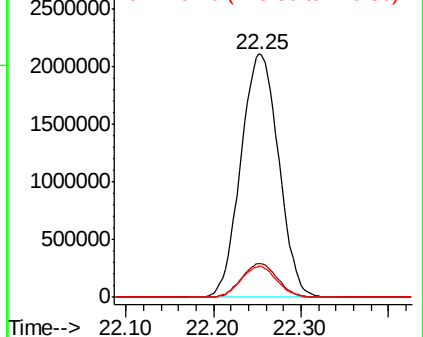
128 100

127 13.9 11.4 17.2

129 12.8 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: 10.381 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

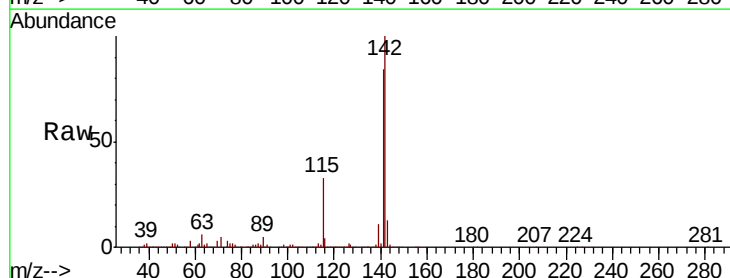
Tgt Ion:142 Resp: 2527998

Ion Ratio Lower Upper

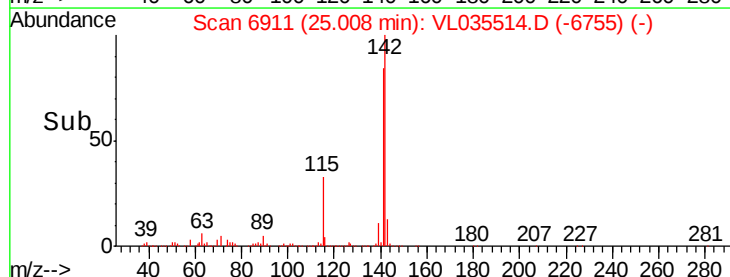
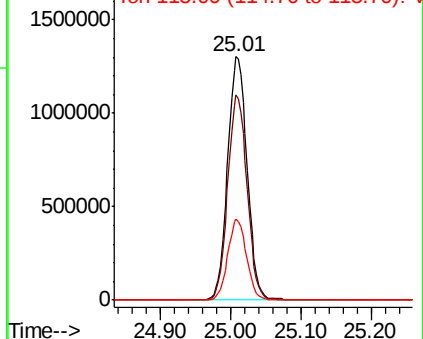
142 100

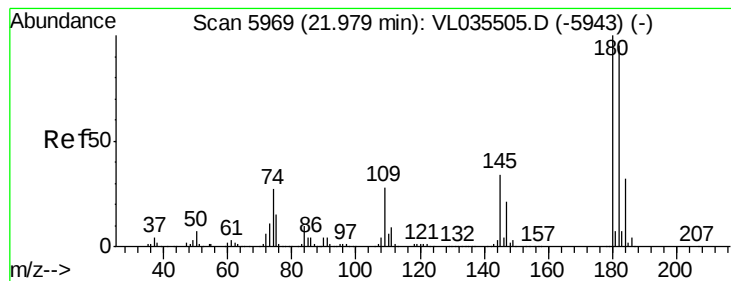
141 83.8 67.6 101.4

115 32.3 25.8 38.8



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





#81

1,2,4-Trichlorobenzene

Concen: 8.476 ppbv

RT: 21.98 min Scan# 5970

Delta R.T. 0.00 min

Lab File: VL035514.D

Acq: 27 Aug 2020 9:17

Instrument :

MSVOA_L

ClientSampleId :

VL0827ABS01

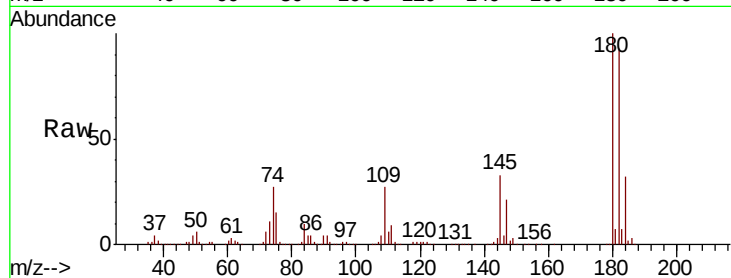
Tot Ion:180 Resp: 3621722

Ion Ratio Lower Upper

180 100

182 95.1 76.3 114.5

184 31.4 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

