

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090320\
 Data File : VL035527.D
 Acq On : 3 Sep 2020 11:40
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Sep 04 06:44:50 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	1084545	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4791200	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	6160024	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	3537316	8.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1770038	9.418	ppbv 99
3) Chlorodifluoromethane	2.99	51	1231522	10.267	ppbv 99
4) Chloromethane	3.14	50	669121	10.412	ppbv 98
5) Vinyl Chloride	3.26	62	790949	9.983	ppbv 99
6) Bromomethane	3.48	94	698327	10.494	ppbv 98
7) Chloroethane	3.56	64	303019	10.818	ppbv 98
8) Dichlorotetrafluoroethane	3.19	85	2267828	9.963	ppbv 98
9) Propene	3.01	41	484669	10.481	ppbv 99
10) Heptane	8.15	43	1300679	10.472	ppbv 100
11) Trichlorofluoromethane	3.96	101	2663804	9.719	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2058282	9.949	ppbv 97
13) Ethanol	3.61	45	116403	10.153	ppbv 98
14) Bromoethene	3.74	108	968923	10.881	ppbv 99
15) Acetone	3.86	43	1055582	8.825	ppbv 100
16) 1,3-Butadiene	3.33	39	477985	10.735	ppbv 99
17) tert-Butyl alcohol	4.30	59	1659909	11.400	ppbv 100
18) 1,1-Dichloroethene	4.30	96	964452	10.587	ppbv 99
19) Isopropyl Alcohol	3.98	45	799783	11.208	ppbv # 98
20) Methylene Chloride	4.35	84	851371	9.556	ppbv 99
21) Allyl Chloride	4.42	41	650866	11.614	ppbv 99
22) trans-1,2-Dichloroethene	4.90	96	1010636	10.421	ppbv 97
23) Vinyl Acetate	5.09	43	1677310	10.925	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1652613	10.460	ppbv 100
25) Ethyl Acetate	5.69	43	2158409	10.214	ppbv 100
26) Hexane	5.71	57	1239176	10.350	ppbv 99
27) Carbon Disulfide	4.56	76	2066827	12.029	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	2317339	11.105	ppbv 100
29) Chloroform	5.77	83	2501918	10.256	ppbv 99
30) Cyclohexane	7.15	84	1426924	11.125	ppbv 100
31) cis-1,2-Dichloroethene	5.56	61	1338672	10.898	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	2508368	10.599	ppbv 100
34) 2-Butanone	5.26	43	1480450	10.412	ppbv 99
35) Carbon Tetrachloride	7.04	117	2608408	10.832	ppbv 100
36) Benzene	6.92	78	3268478	10.539	ppbv 99
37) 1,2-Dichloroethane	6.33	62	1532794	10.366	ppbv 99
38) Trichloroethene	7.86	130	1716292	9.527	ppbv 98
39) 1,2-Dichloropropane	7.64	63	1093177	10.434	ppbv 99
40) 1,4-Dioxane	7.85	88	576327	11.012	ppbv 96
41) Tetrahydrofuran	6.07	42	848600	11.255	ppbv 99
42) Bromodichloromethane	7.82	83	2654516	11.102	ppbv 99
43) Methyl Methacrylate	8.04	69	1346572	11.229	ppbv 99

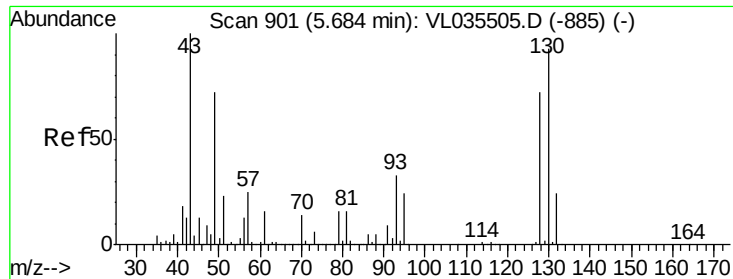
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090320\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4135014	10.133	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	1538154	12.661	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1837153	12.180	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	1611399	10.423	ppbv	99
48) Dibromochloromethane	10.34	129	2781626	11.432	ppbv	99
49) Bromoform	13.08	173	2644043	11.991	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	2204263	10.706	ppbv	99
51) 2-Hexanone	10.16	43	1895844	11.225	ppbv	99
52) Tetrachloroethene	11.26	164	1738042	9.593	ppbv	99
53) Toluene	9.83	91	4141295	10.618	ppbv	99
54) 1,2-Dibromoethane	10.64	107	2570108	10.521	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	2178879	8.693	ppbv	98
57) Chlorobenzene	12.18	112	3553966	7.839	ppbv	100
58) Ethyl Benzene	12.75	91	5372071	8.457	ppbv	100
59) m/p-Xylene	13.03	91	4712894	8.879	ppbv #	37
60) o-Xylene	13.73	91	4403006	8.236	ppbv	100
61) Styrene	13.56	104	3669658	8.975	ppbv	100
62) Isopropylbenzene	14.71	105	6788206	7.905	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	3161806	7.629	ppbv	99
64) n-propylbenzene	15.60	120	2185832	8.341	ppbv	99
65) tert-Butylbenzene	16.79	119	6444877	8.073	ppbv	99
66) Benzyl Chloride	17.03	91	2267250	11.428	ppbv	100
67) sec-Butylbenzene	17.34	105	8298582	7.803	ppbv	100
69) p-Isopropyltoluene	17.70	119	7329818	7.857	ppbv	99
70) n-Butylbenzene	18.59	91	7127086	7.931	ppbv	100
71) 2-Chlorotoluene	15.49	91	5171609	8.270	ppbv	100
72) 4-Ethyltoluene	15.88	105	5606729	8.250	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	5234041	8.326	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	5445865	7.889	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	3953380	7.731	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	3968940	7.870	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	3907866	7.888	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	2490092	7.873	ppbv	100
79) Naphthalene	22.25	128	6640362	8.669	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	2625258	10.042	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	3816174	8.319	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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VSTDCCC010

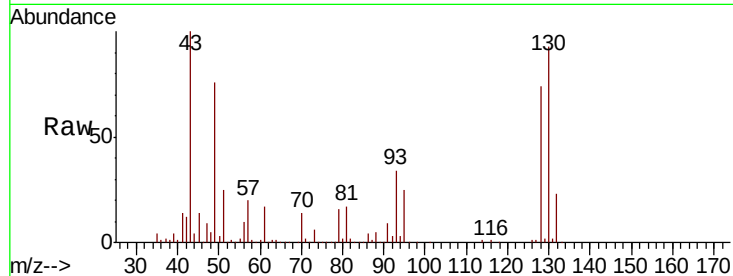
Tot Ion: 49 Resp: 1084545

Ion Ratio Lower Upper

49 100

128 98.3 50.0 150.1

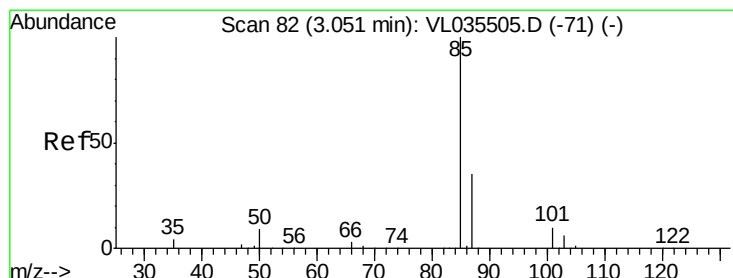
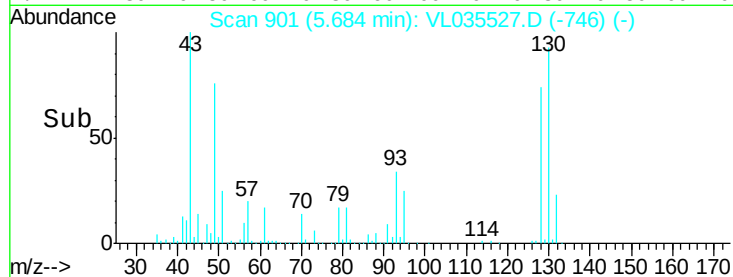
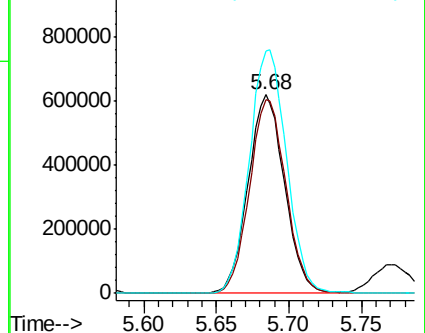
130 126.1 64.4 193.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.418 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL035527.D

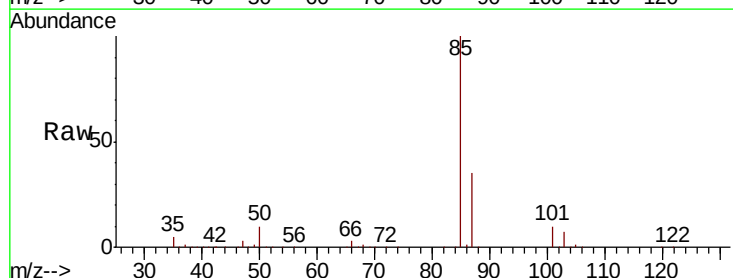
Acq: 3 Sep 2020 11:40

Tgt Ion: 85 Resp: 1770038

Ion Ratio Lower Upper

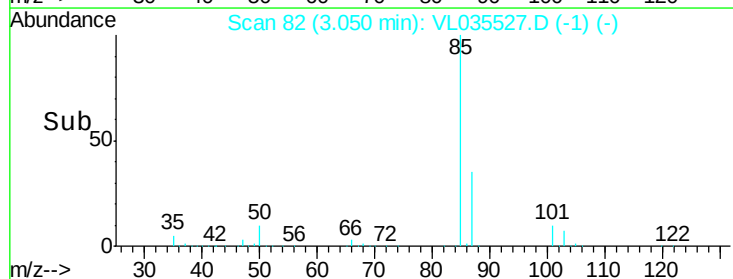
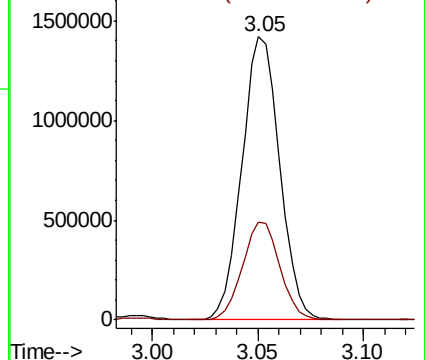
85 100

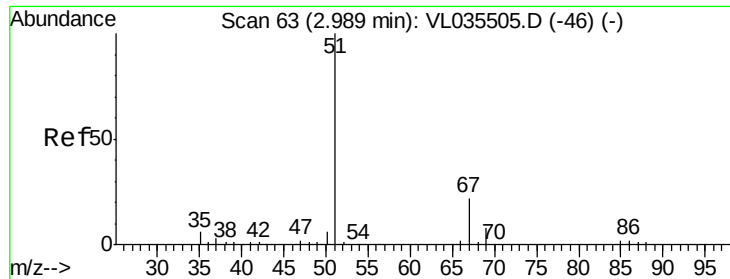
87 34.6 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.267 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

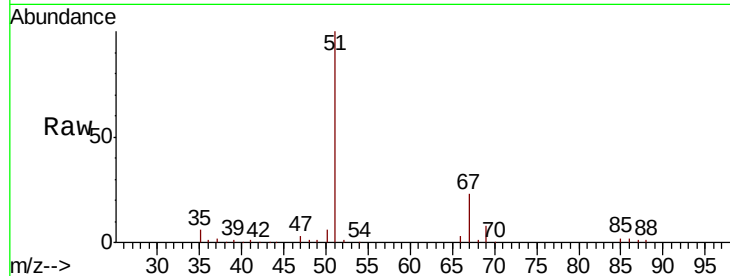
VSTDCCC010

Tot Ion: 51 Resp: 1231522

Ion Ratio Lower Upper

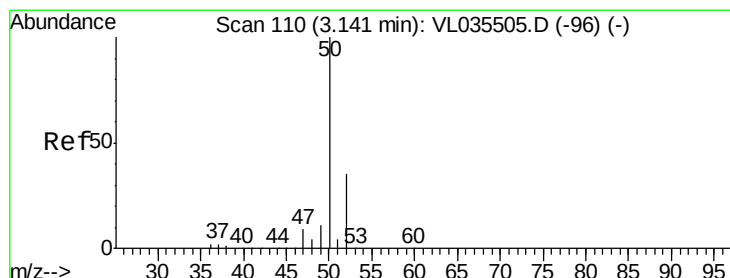
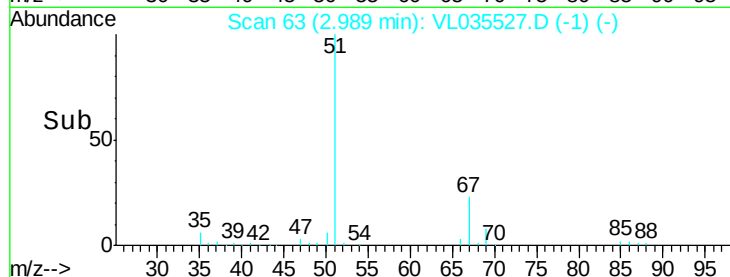
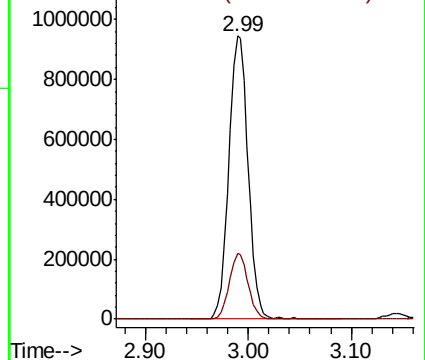
51 100

67 22.5 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.412 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL035527.D

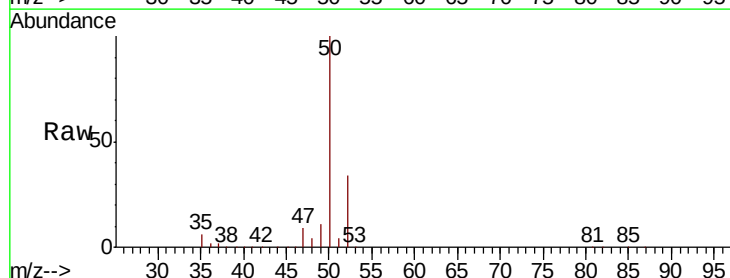
Acq: 3 Sep 2020 11:40

Tgt Ion: 50 Resp: 669121

Ion Ratio Lower Upper

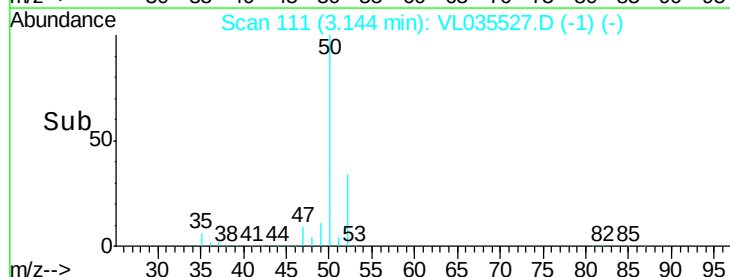
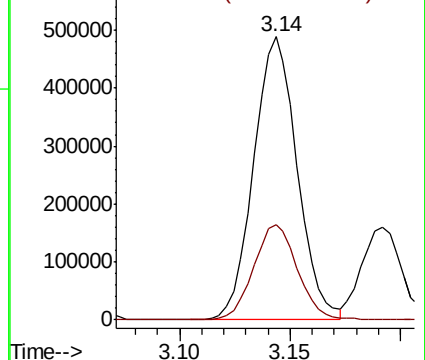
50 100

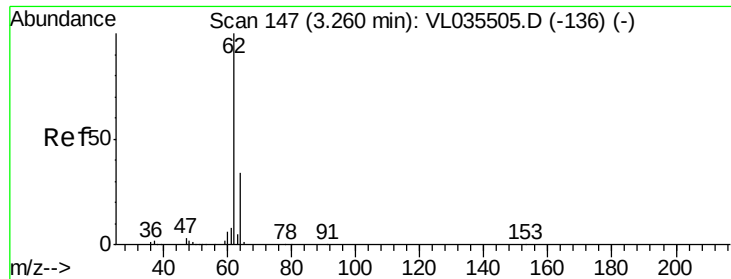
52 33.7 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.983 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

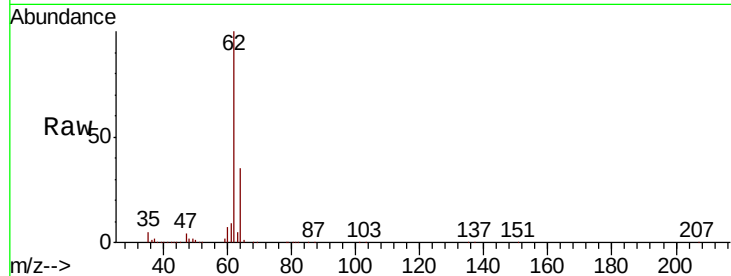
VSTDCCC010

Tot Ion: 62 Resp: 790949

Ion Ratio Lower Upper

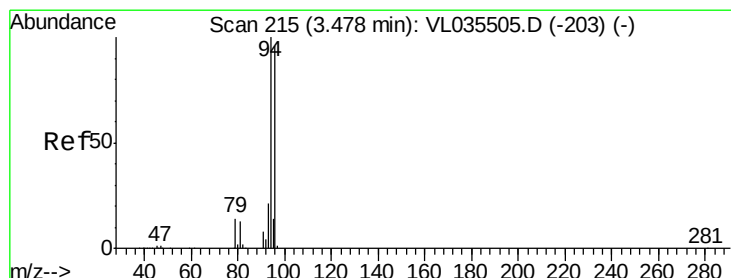
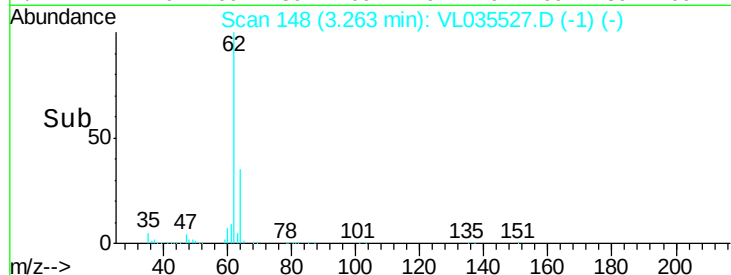
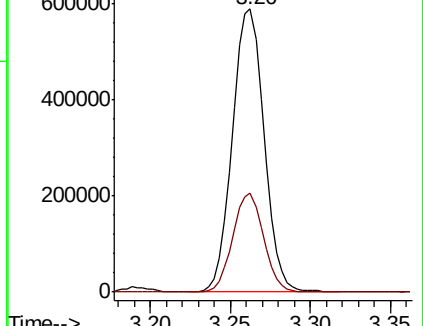
62 100

64 34.8 27.4 41.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.494 ppbv

RT: 3.48 min Scan# 215

Delta R.T. -0.00 min

Lab File: VL035527.D

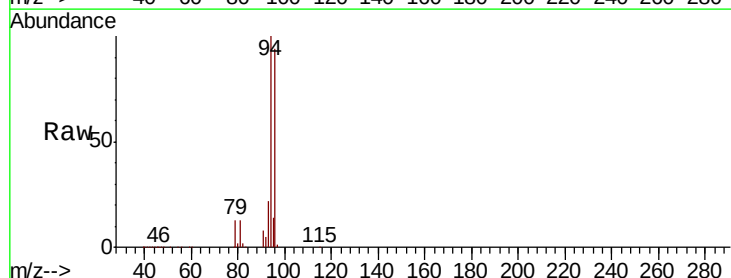
Acq: 3 Sep 2020 11:40

Tgt Ion: 94 Resp: 698327

Ion Ratio Lower Upper

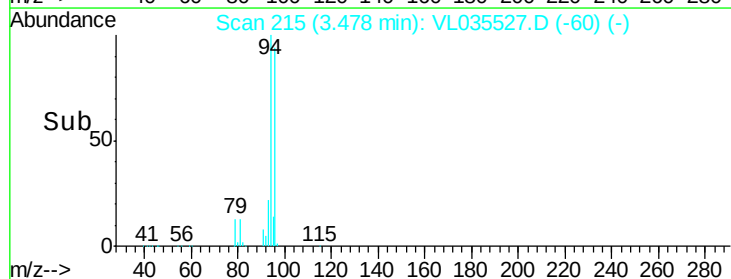
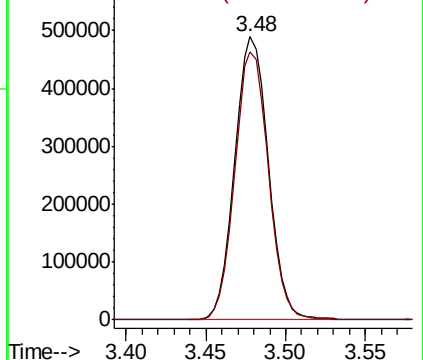
94 100

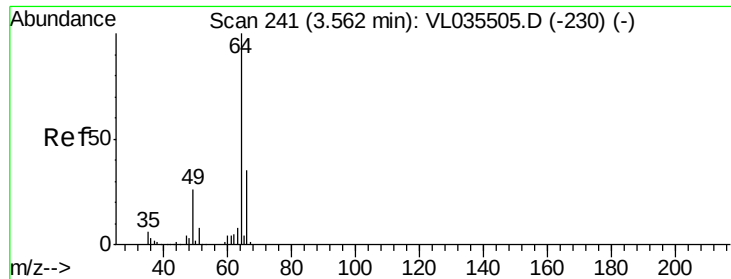
96 94.5 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.818 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

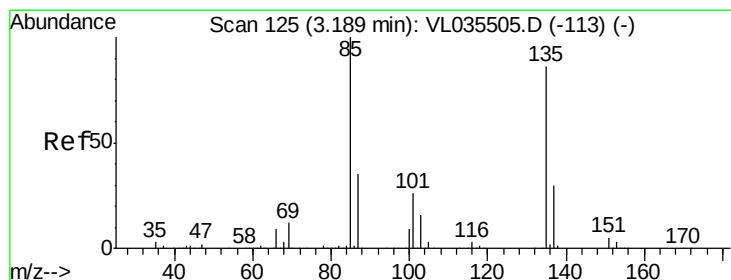
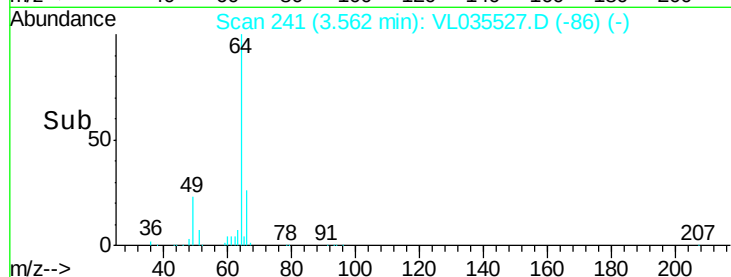
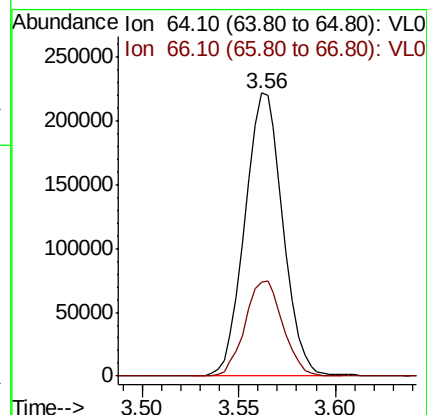
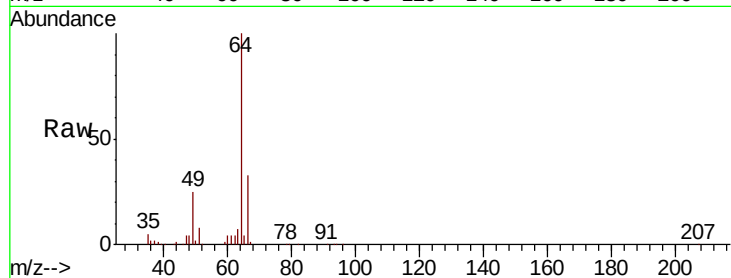
VSTDCCC010

Tot Ion: 64 Resp: 303019

Ion Ratio Lower Upper

64 100

66 33.2 27.7 41.5



#8

Dichlorotetrafluoroethane

Concen: 9.963 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL035527.D

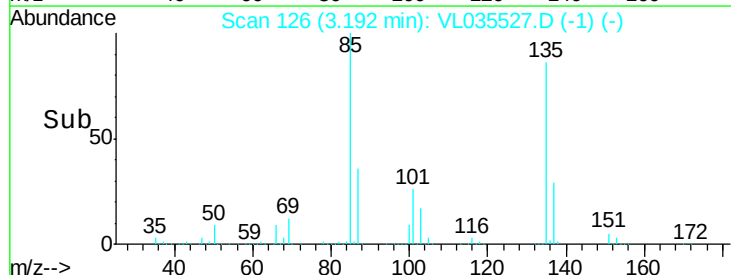
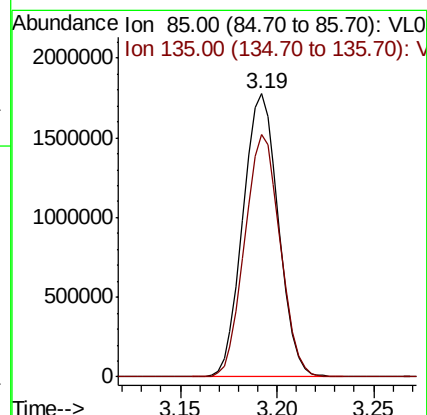
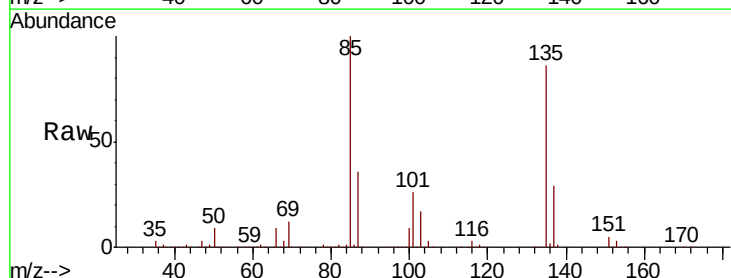
Acq: 3 Sep 2020 11:40

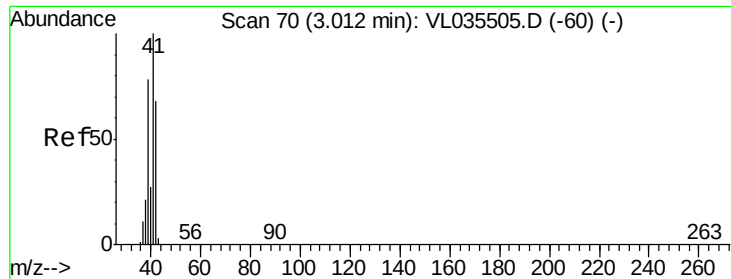
Tgt Ion: 85 Resp: 2267828

Ion Ratio Lower Upper

85 100

135 86.0 70.4 105.6





#9

Propene

Concen: 10.481 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

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ClientSampleId :

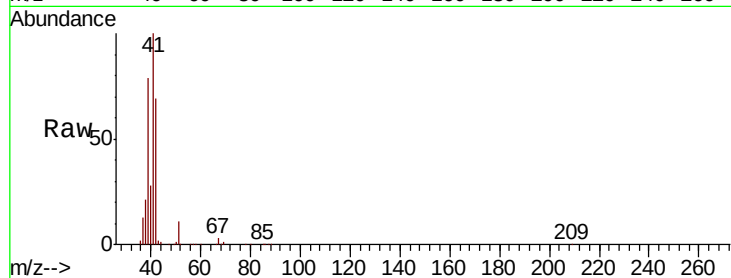
VSTDCCC010

Tot Ion: 41 Resp: 484669

Ion Ratio Lower Upper

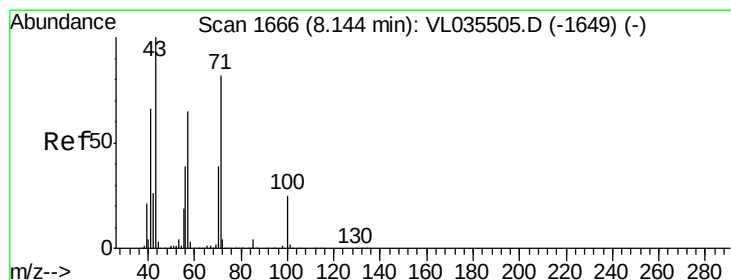
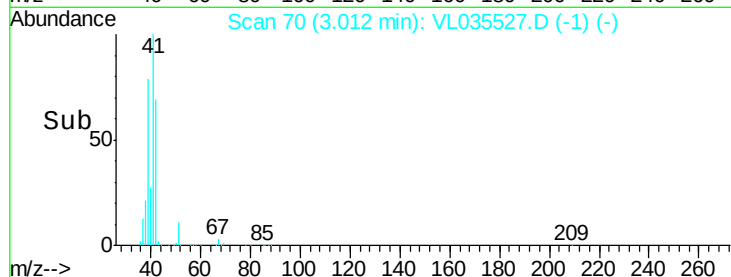
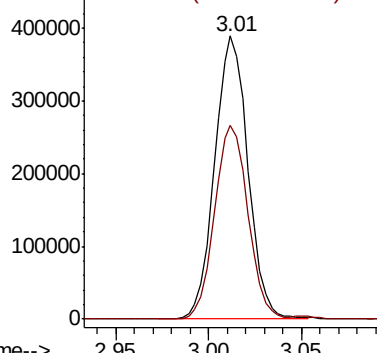
41 100

42 69.8 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.472 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VL035527.D

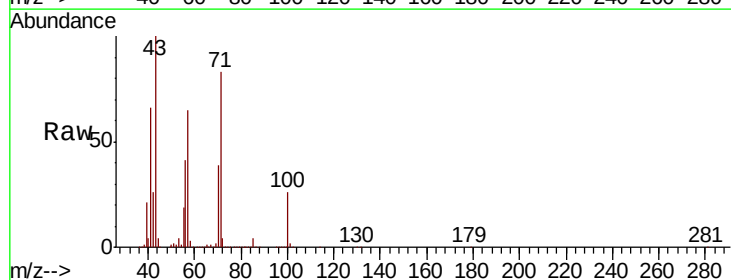
Acq: 3 Sep 2020 11:40

Tgt Ion: 43 Resp: 1300679

Ion Ratio Lower Upper

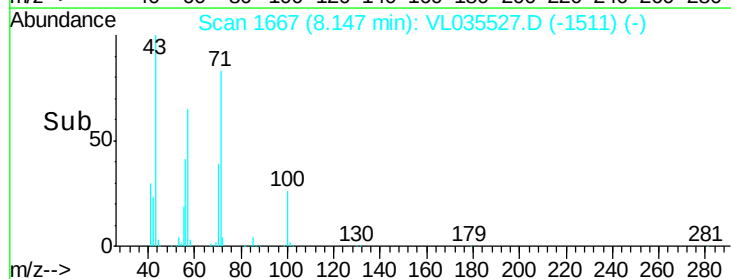
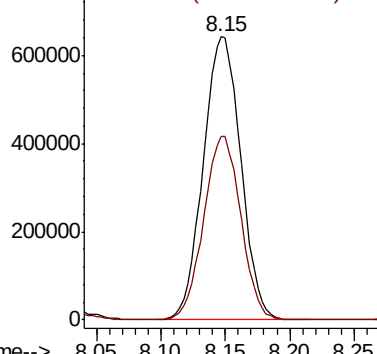
43 100

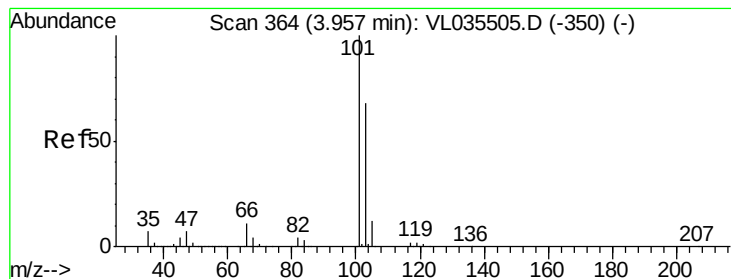
57 64.0 51.4 77.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.719 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

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ClientSampleId :

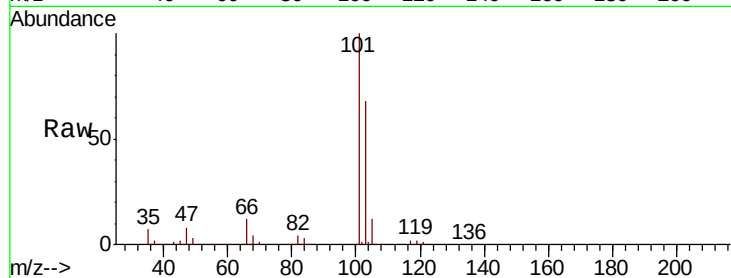
VSTDCCC010

Tot Ion:101 Resp: 2663804

Ion Ratio Lower Upper

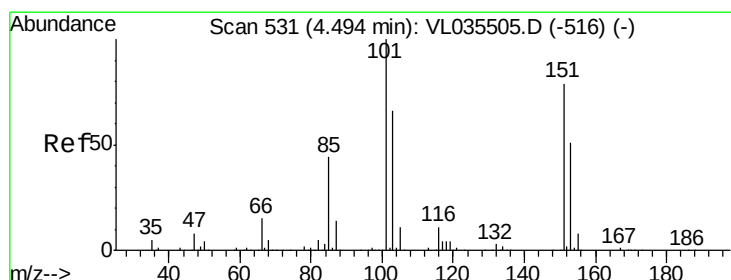
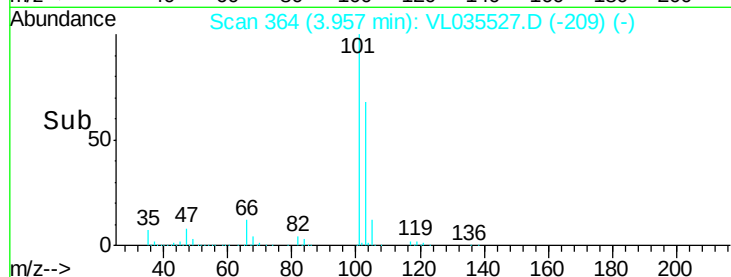
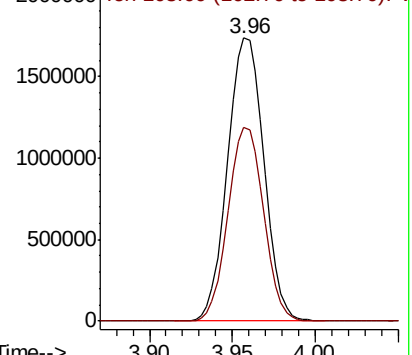
101 100

103 68.4 54.5 81.7



Abundance Ion 101.00 (100.70 to 101.70): V

2000000 Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.949 ppbv

RT: 4.49 min Scan# 531

Delta R.T. -0.00 min

Lab File: VL035527.D

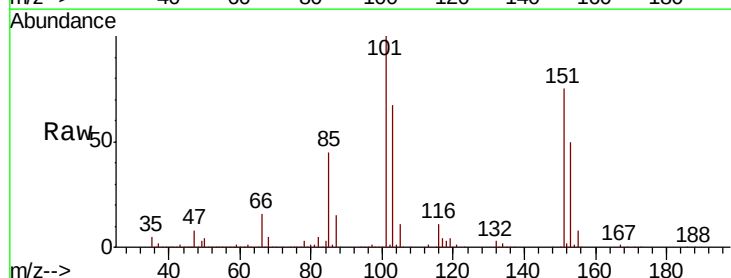
Acq: 3 Sep 2020 11:40

Tgt Ion:101 Resp: 2058282

Ion Ratio Lower Upper

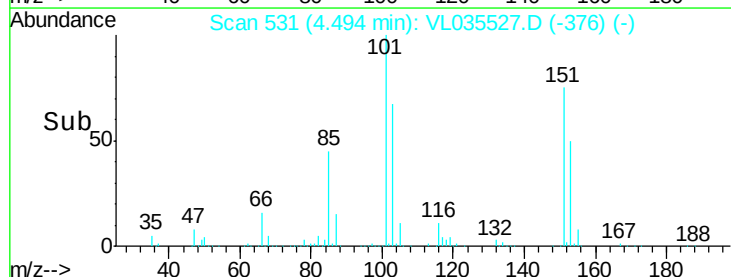
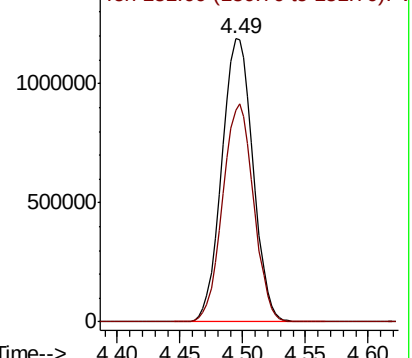
101 100

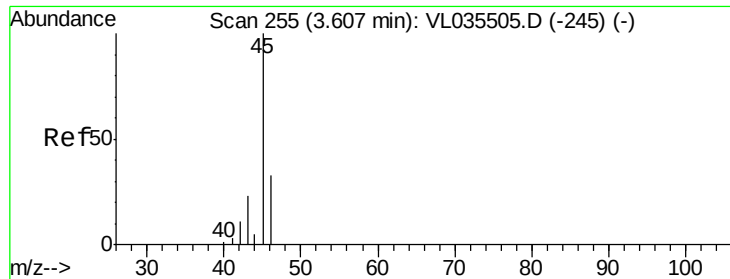
151 76.6 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

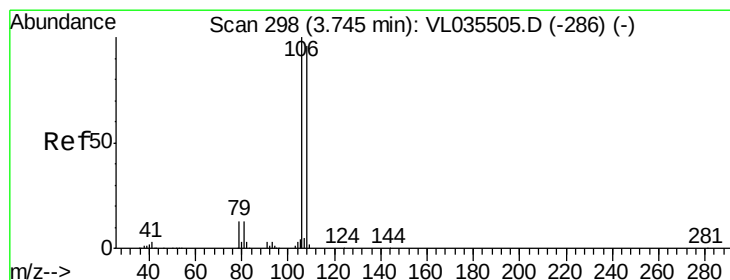
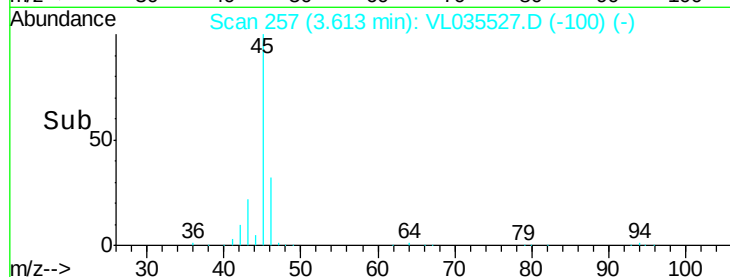
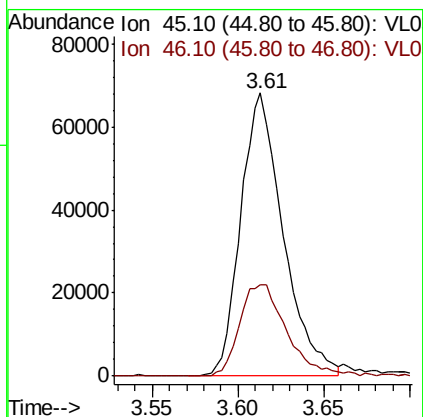
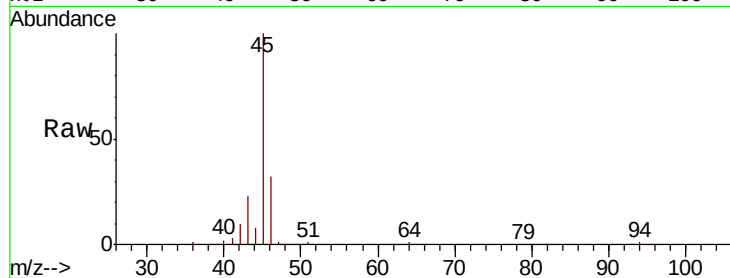




#13
Ethanol
Concen: 10.153 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

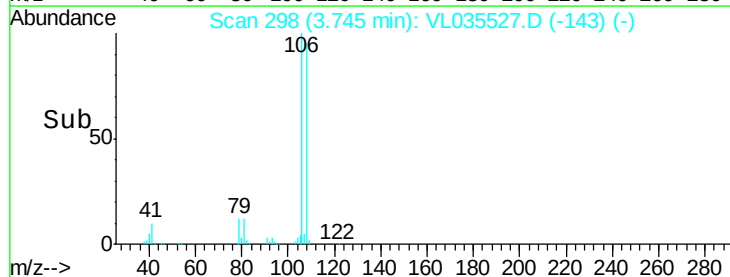
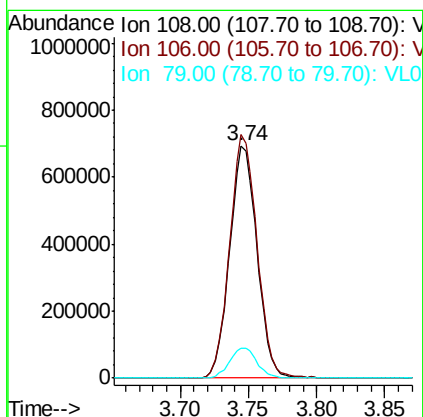
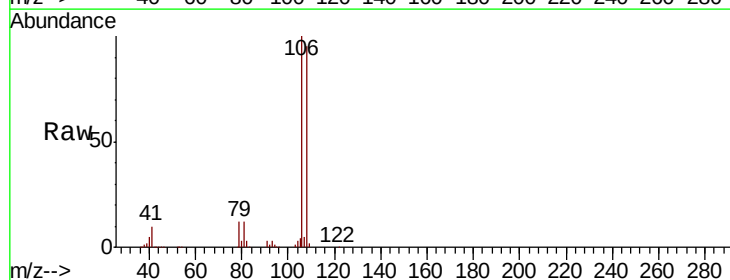
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

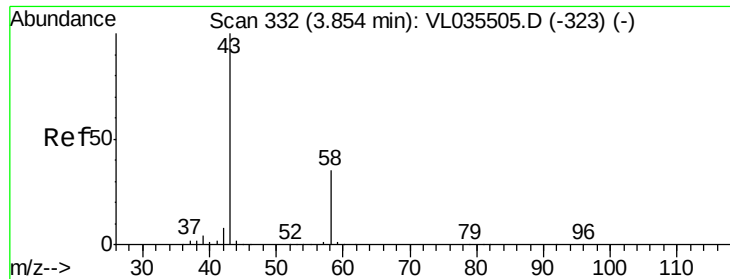
Tot Ion: 45 Resp: 116403
Ion Ratio Lower Upper
45 100
46 36.7 15.2 60.6



#14
Bromoethene
Concen: 10.881 ppbv
RT: 3.74 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion: 108 Resp: 968923
Ion Ratio Lower Upper
108 100
106 105.1 84.9 127.3
79 13.3 10.8 16.2





#15

Acetone

Concen: 8.825 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

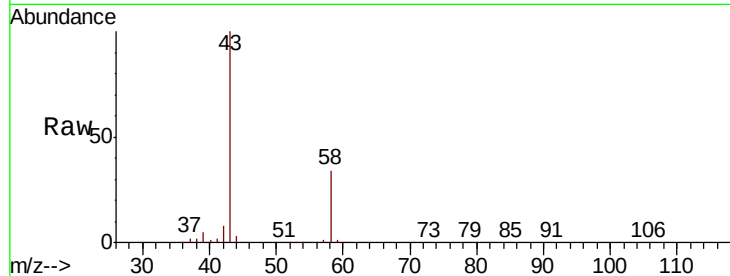
VSTDCCC010

Tot Ion: 43 Resp: 1055582

Ion Ratio Lower Upper

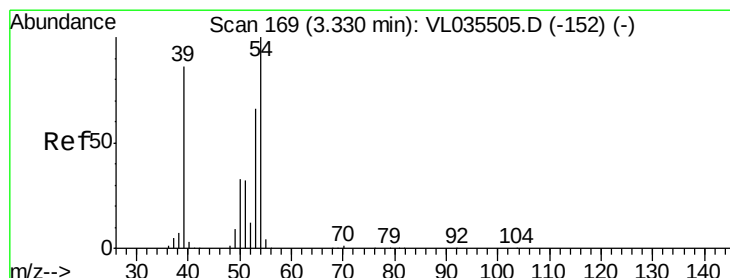
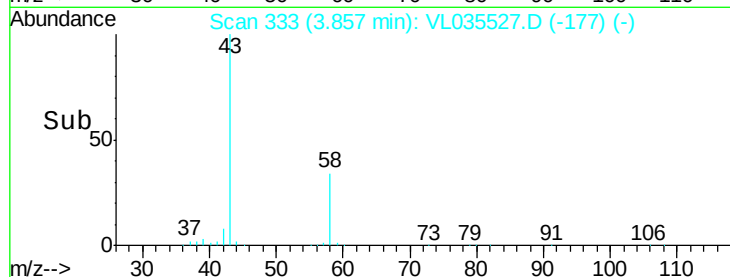
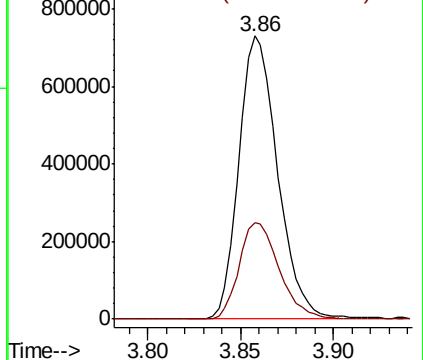
43 100

58 35.4 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.735 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL035527.D

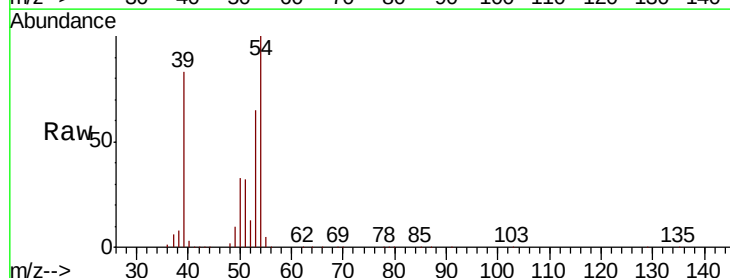
Acq: 3 Sep 2020 11:40

Tgt Ion: 39 Resp: 477985

Ion Ratio Lower Upper

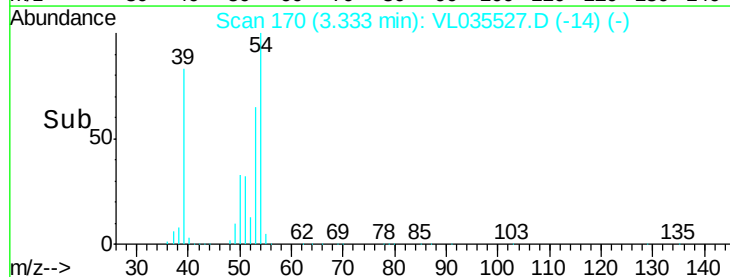
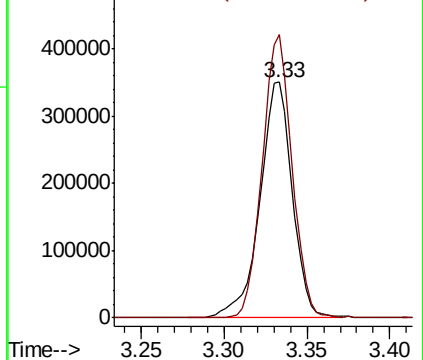
39 100

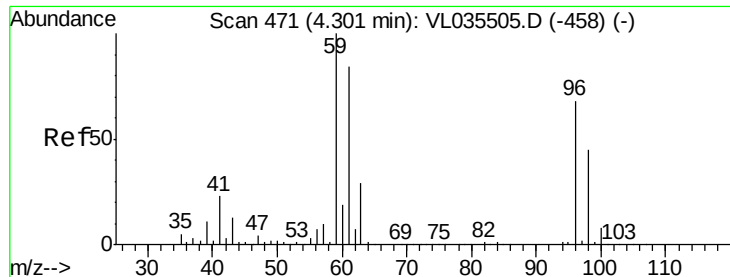
54 111.5 88.4 132.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 11.400 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

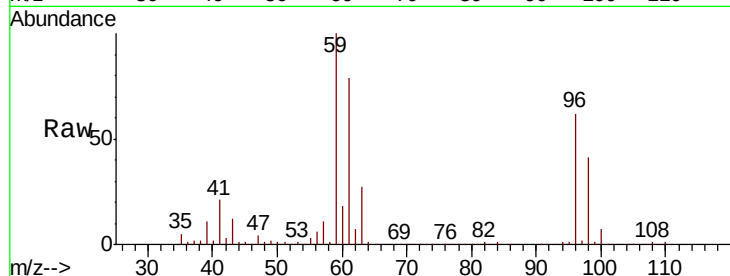
VSTDCCC010

Tot Ion: 59 Resp: 1659909

Ion Ratio Lower Upper

59 100

57 10.4 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

1000000

800000

600000

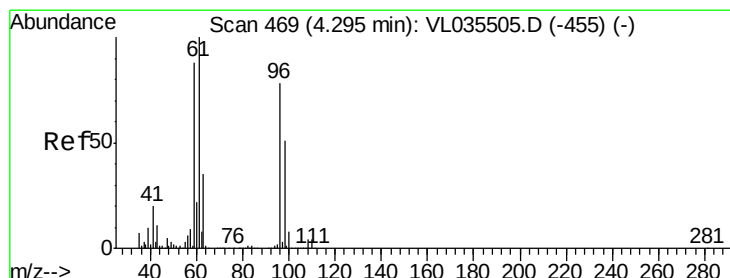
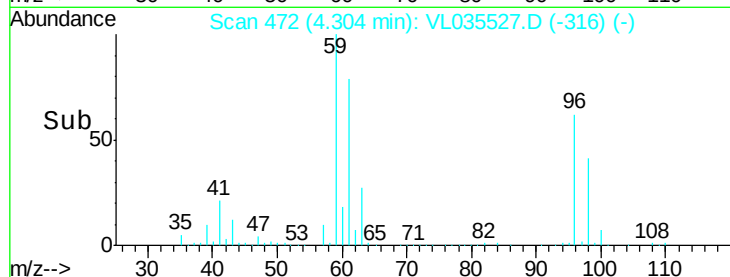
400000

200000

0

4.25 4.30 4.35 4.40

Time-->



#18

1,1-Dichloroethene

Concen: 10.587 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

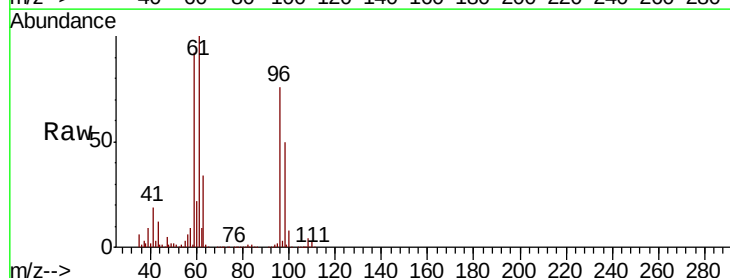
Tgt Ion: 96 Resp: 964452

Ion Ratio Lower Upper

96 100

61 130.8 103.0 154.6

98 65.7 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

1000000

800000

600000

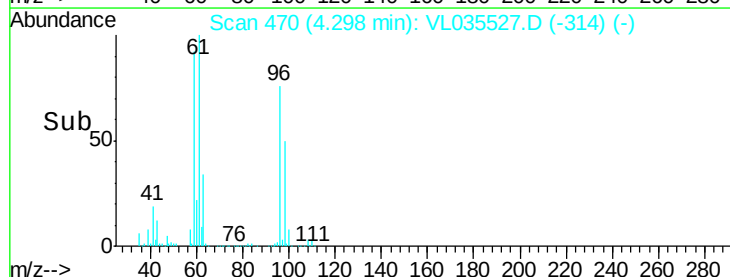
400000

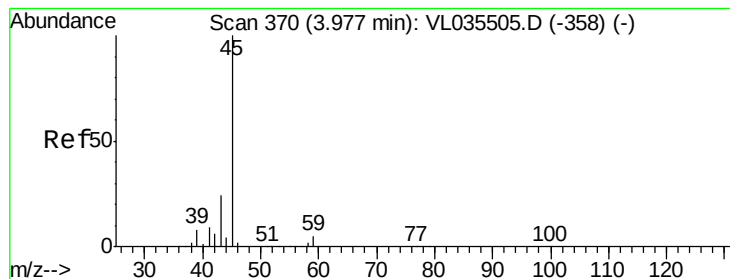
200000

0

4.25 4.30 4.35

Time-->





#19

Isopropyl Alcohol

Concen: 11.208 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

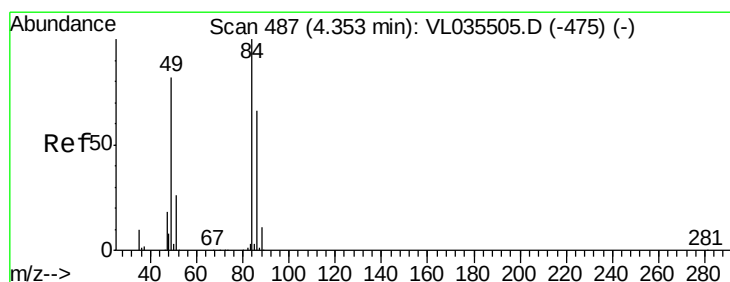
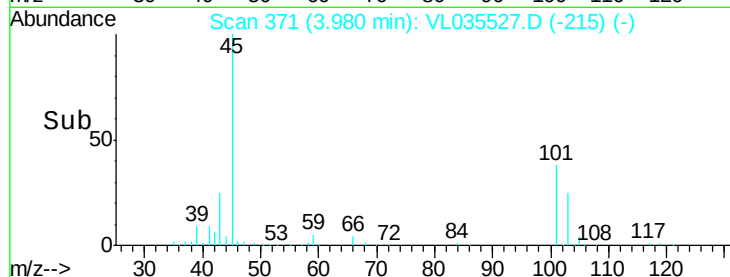
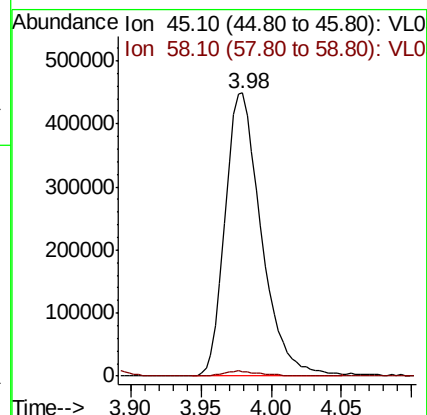
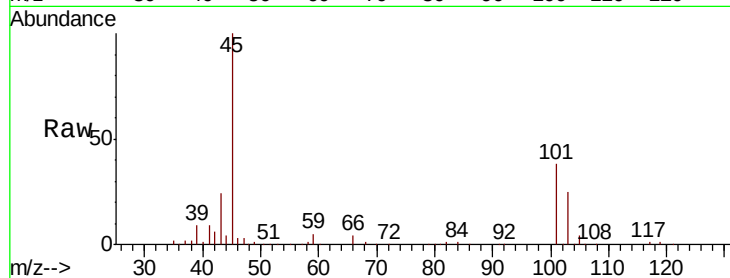
VSTDCCC010

Tot Ion: 45 Resp: 799783

Ion Ratio Lower Upper

45 100

58 2.0 2.0 3.0#



#20

Methylene Chloride

Concen: 9.556 ppbv

RT: 4.35 min Scan# 487

Delta R.T. -0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Tgt Ion: 84 Resp: 851371

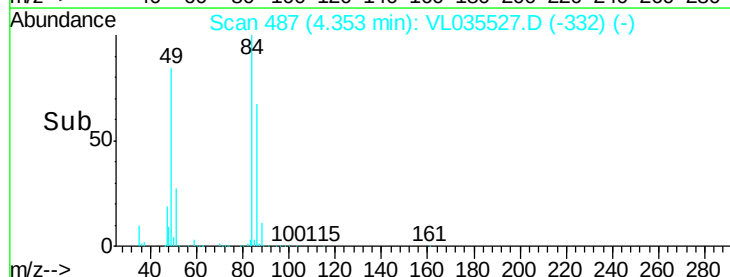
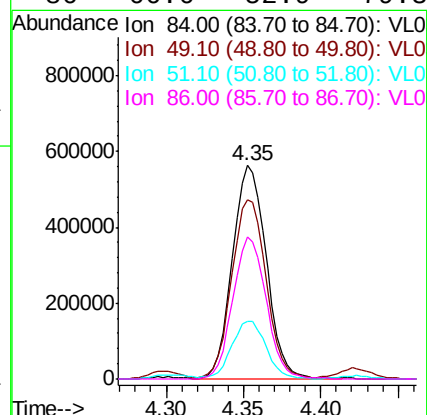
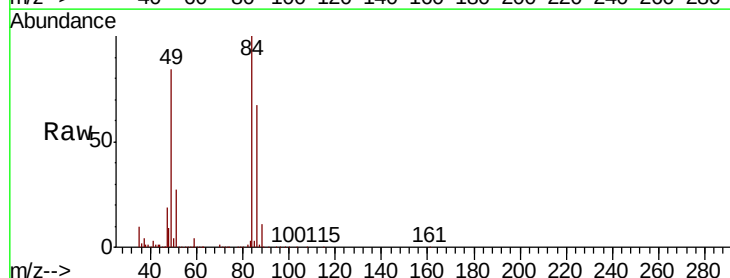
Ion Ratio Lower Upper

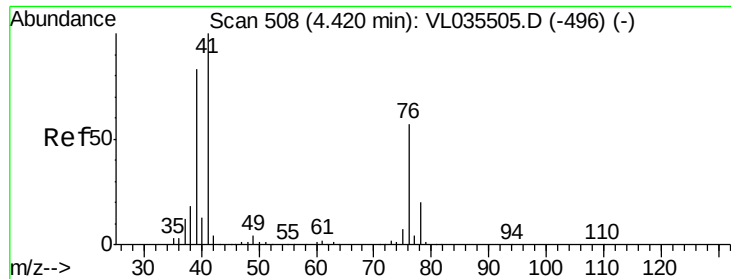
84 100

49 83.6 65.4 98.0

51 26.2 21.5 32.3

86 66.6 52.9 79.3





#21

Allvl Chloride

Concen: 11.614 ppbv

RT: 4.42 min Scan# 509

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

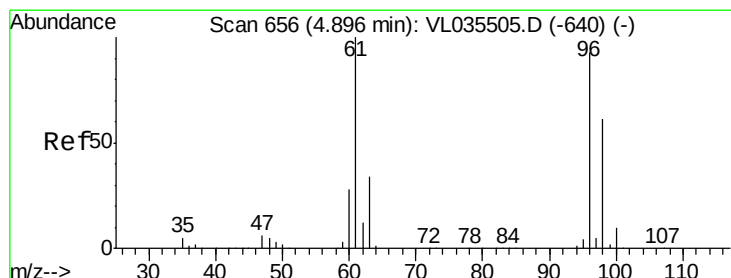
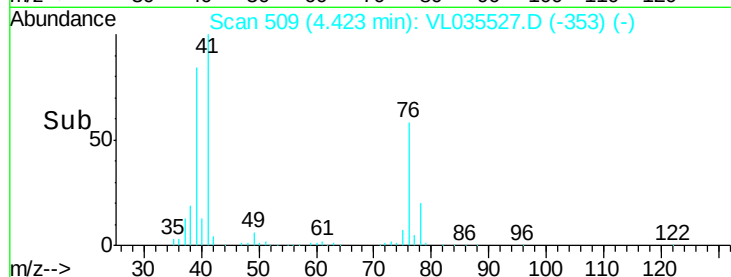
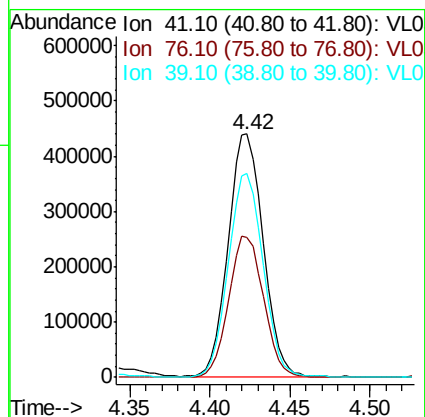
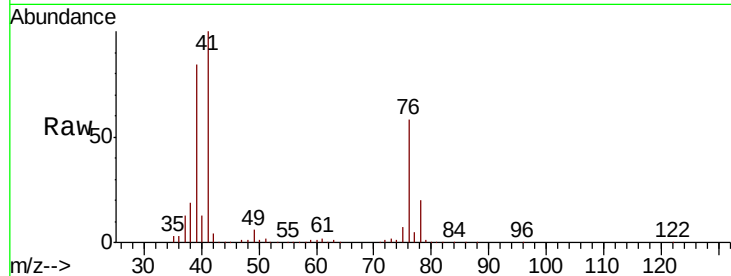
Tot Ion: 41 Resp: 650866

Ion Ratio Lower Upper

41 100

76 58.2 46.2 69.2

39 83.7 67.8 101.6



#22

trans-1,2-Dichloroethene

Concen: 10.421 ppbv

RT: 4.90 min Scan# 656

Delta R.T. -0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

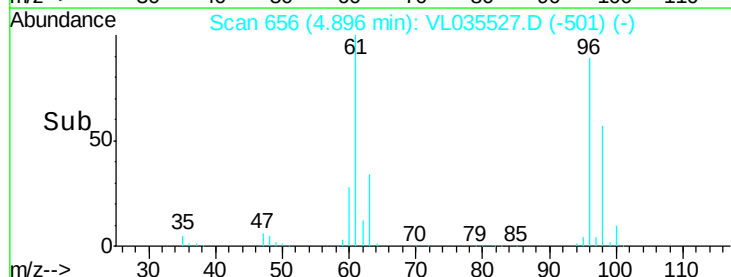
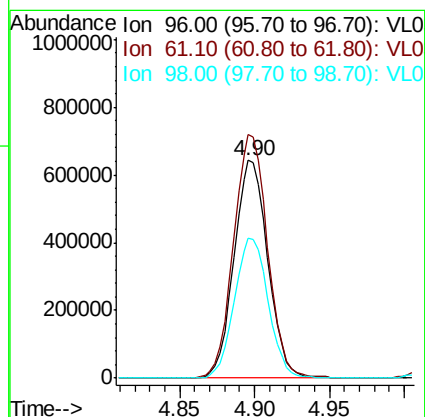
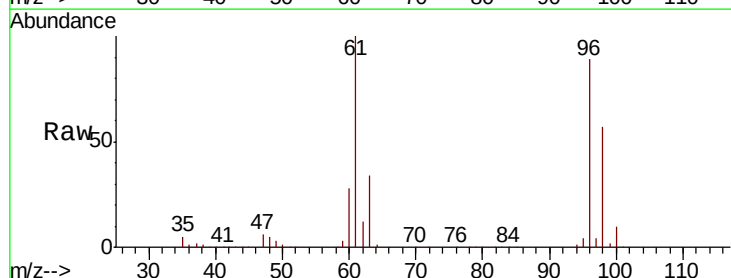
Tgt Ion: 96 Resp: 1010636

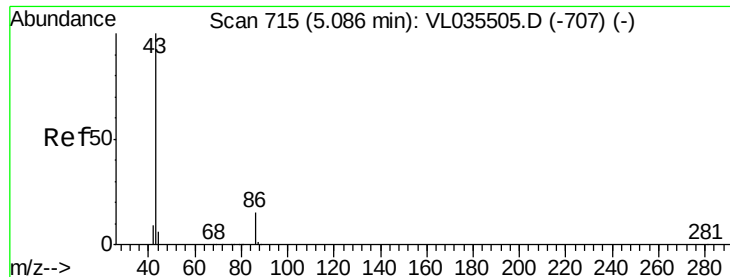
Ion Ratio Lower Upper

96 100

61 111.8 86.0 129.0

98 64.1 52.3 78.5





#23

Vinyl Acetate

Concen: 10.925 ppbv

RT: 5.09 min Scan# 716

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

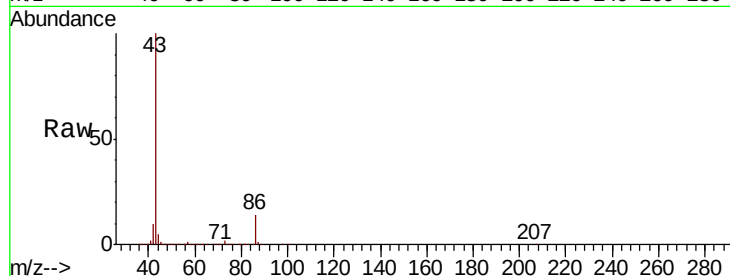
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1677310

Ion	Ratio	Lower	Upper
43	100		
86	14.0	10.6	16.0
42	9.5	7.5	11.3
44	5.3	4.4	6.6

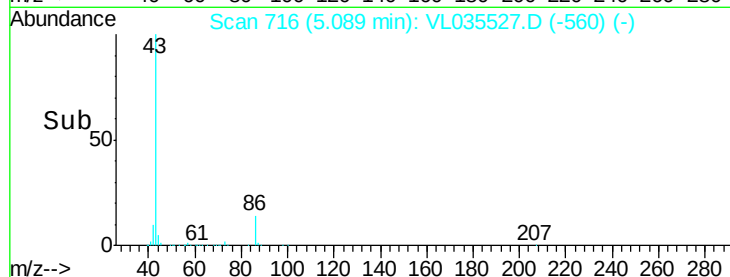


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

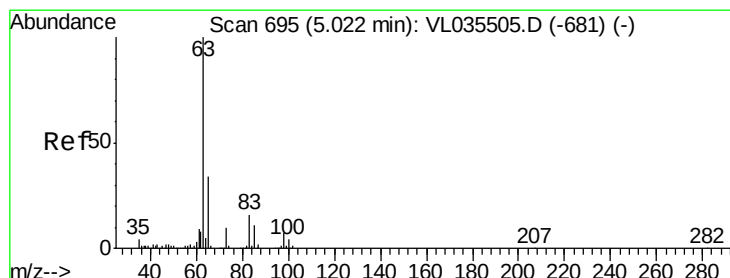
Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



Time-->

5.09



#24

1,1-Dichloroethane

Concen: 10.460 ppbv

RT: 5.02 min Scan# 696

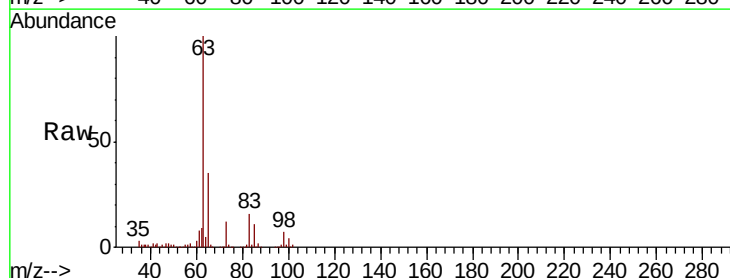
Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Tgt Ion: 63 Resp: 1652613

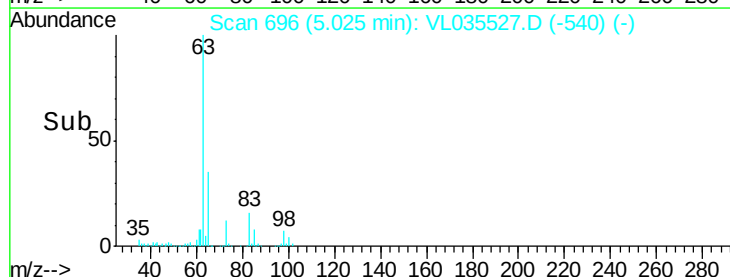
Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	4.2	2.1	6.5



Abundance Ion 63.10 (62.80 to 63.80): VL0

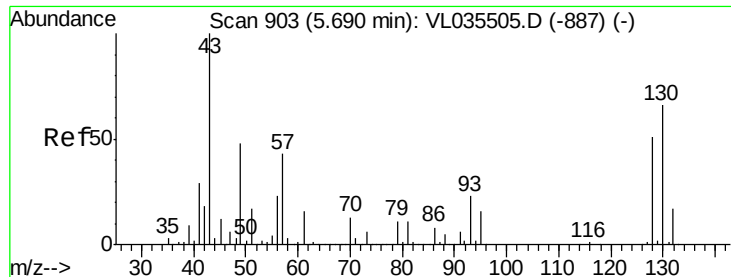
Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



Time-->

5.02

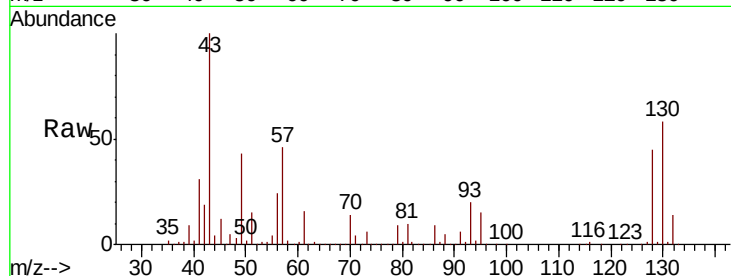


#25
Ethyl Acetate
Concen: 10.214 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2158409

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.4	12.6
61	13.5	10.6	16.0
70	11.8	9.4	14.2



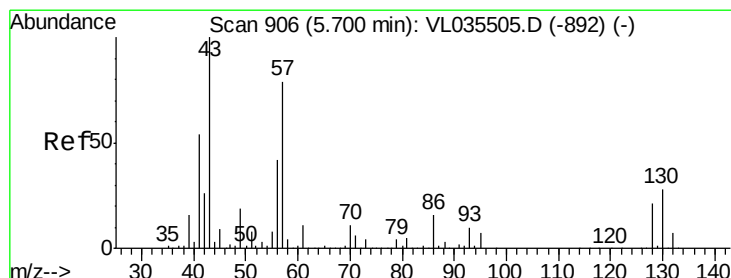
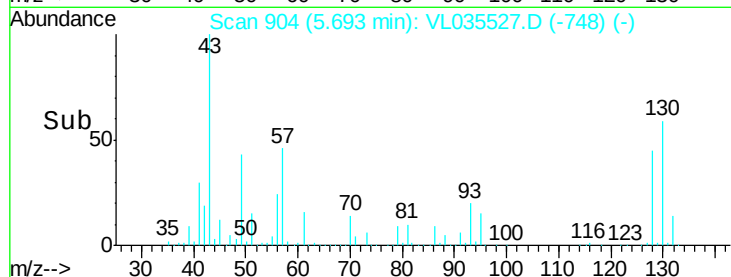
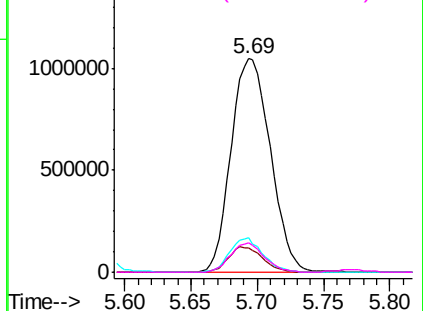
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

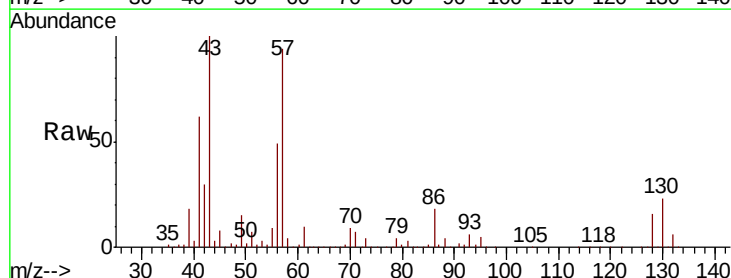
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.350 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.01 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion: 57 Resp: 1239176

Ion	Ratio	Lower	Upper
57	100		
41	70.2	55.9	83.9
43	174.7	141.8	212.8
56	52.2	41.8	62.8



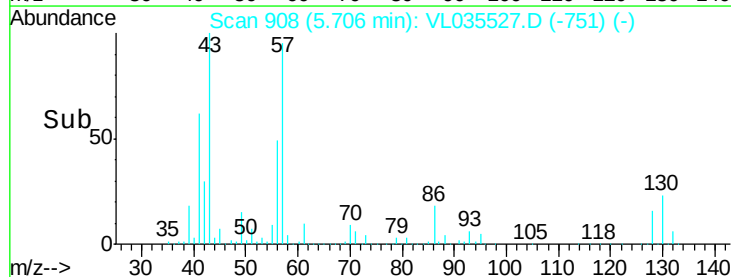
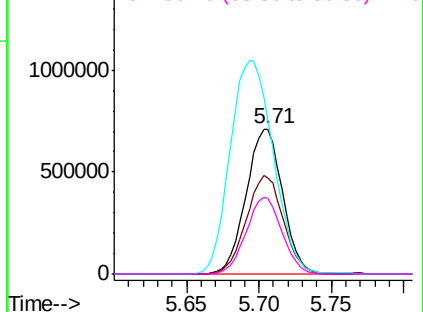
Abundance

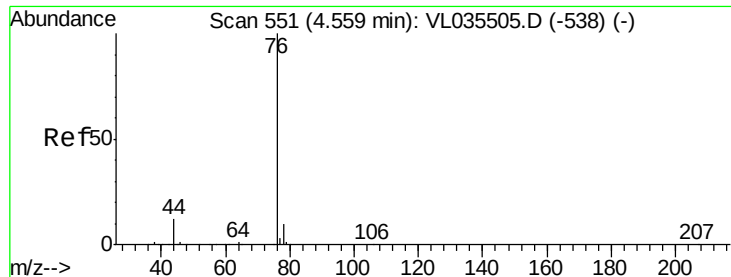
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 12.029 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

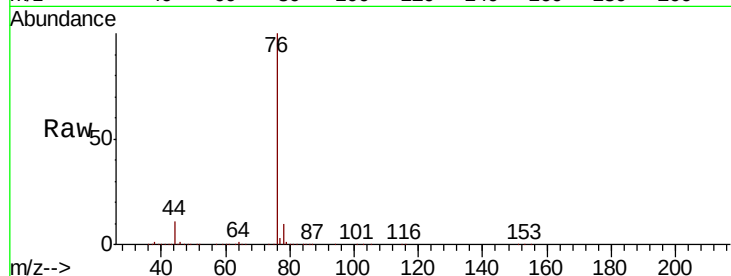
Tot Ion: 76 Resp: 2066827

Ion	Ratio	Lower	Upper
76	100		
44	11.3	9.3	13.9
78	9.9	7.8	11.6

76 100

44 11.3 9.3 13.9

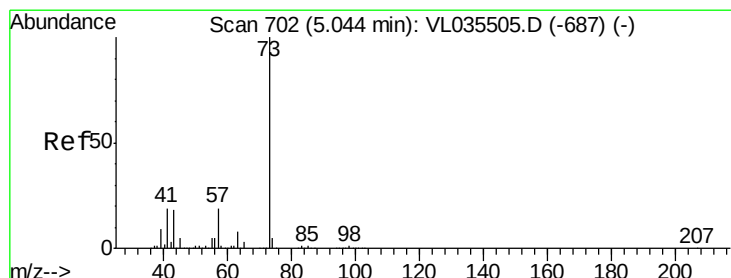
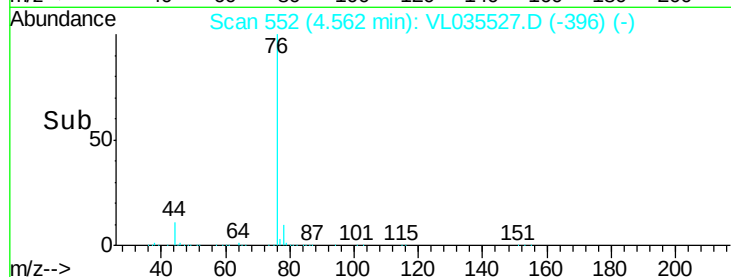
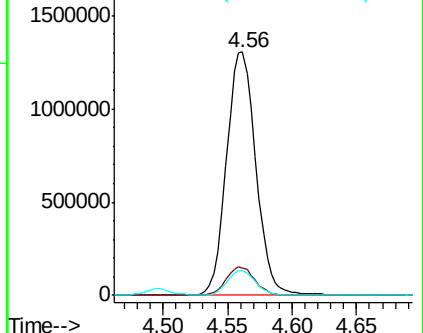
78 9.9 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.105 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL035527.D

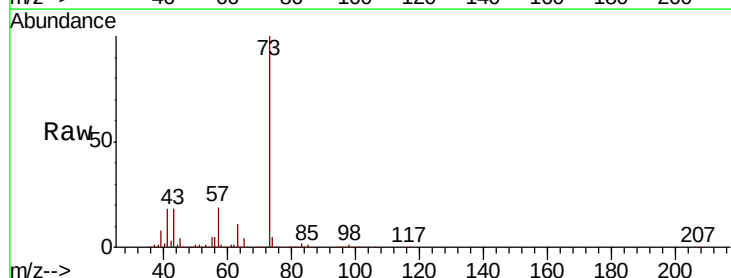
Acq: 3 Sep 2020 11:40

Tgt Ion: 73 Resp: 2317339

Ion	Ratio	Lower	Upper
73	100		
57	19.1	15.2	22.8

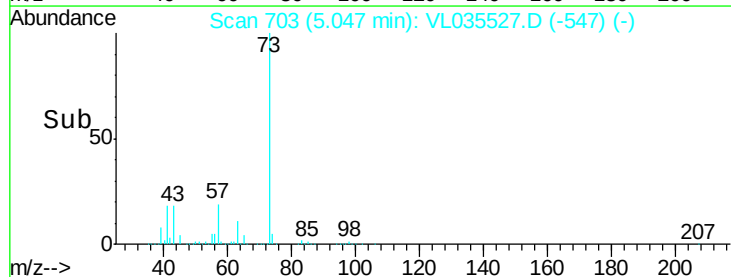
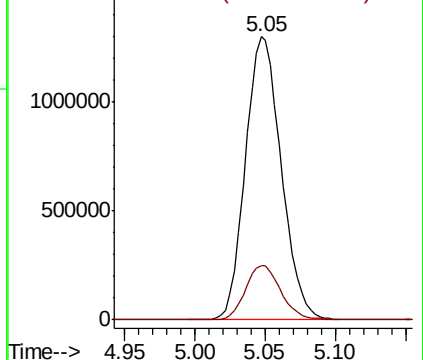
73 100

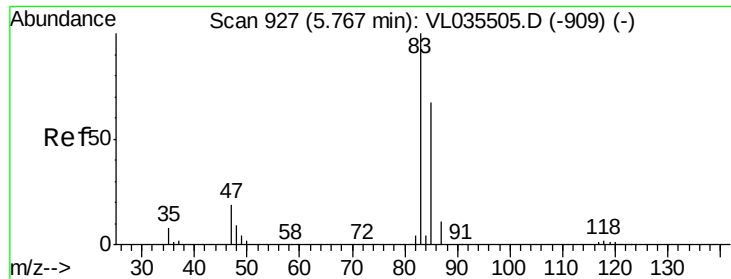
57 19.1 15.2 22.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

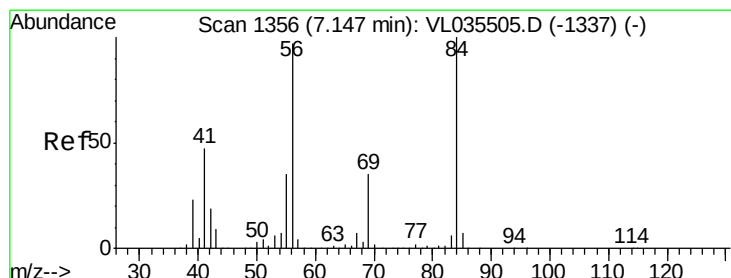
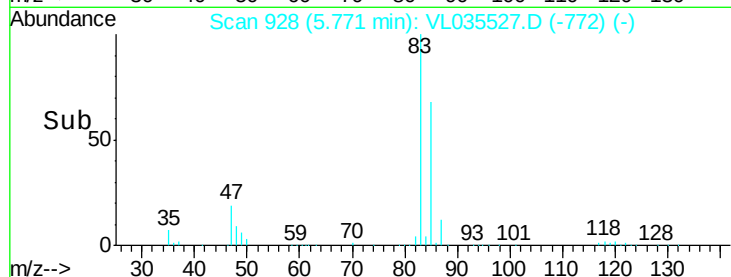
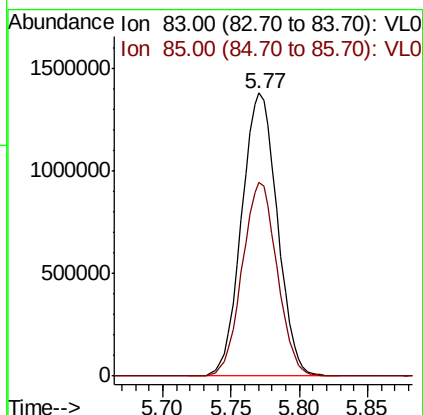
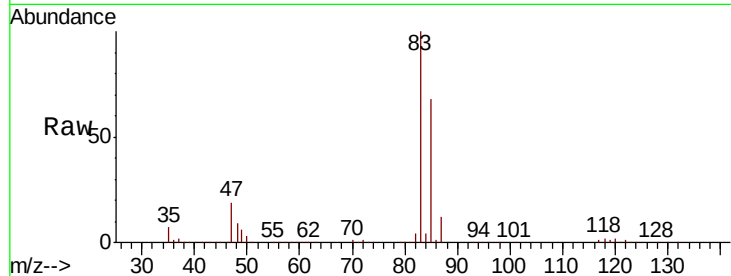




#29
Chloroform
Concen: 10.256 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

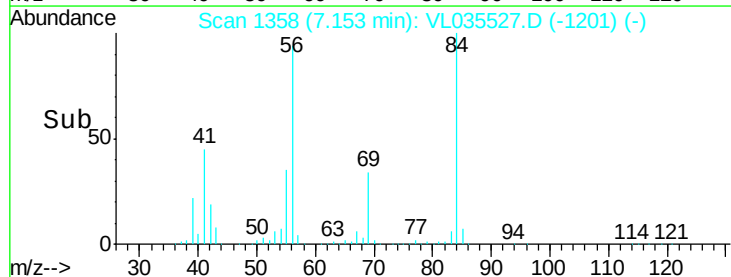
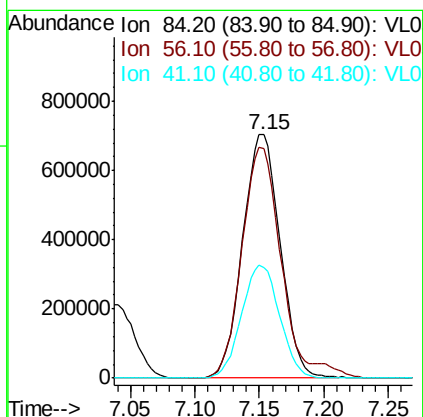
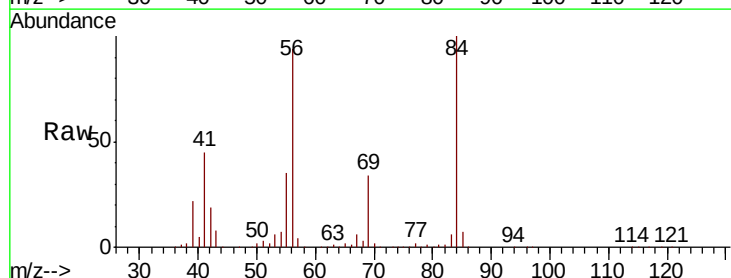
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

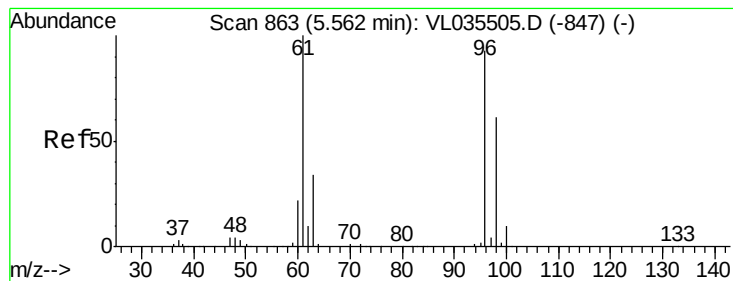
Tot Ion: 83 Resp: 2501918
Ion Ratio Lower Upper
83 100
85 68.3 53.9 80.9



#30
Cyclohexane
Concen: 11.125 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion: 84 Resp: 1426924
Ion Ratio Lower Upper
84 100
56 100.0 80.1 120.1
41 47.1 38.1 57.1





#31

cis-1,2-Dichloroethene

Concen: 10.898 ppbv

RT: 5.56 min Scan# 864

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

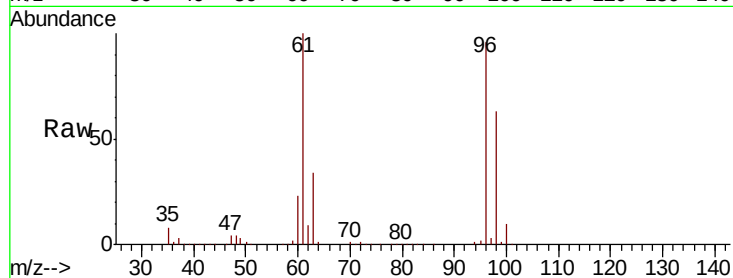
Tot Ion: 61 Resp: 1338672

Ion Ratio Lower Upper

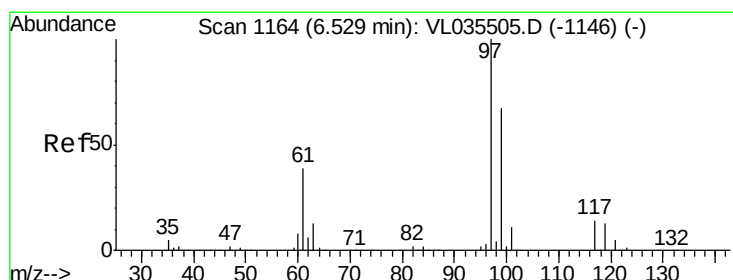
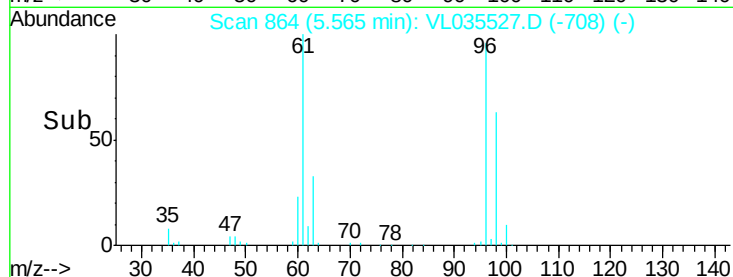
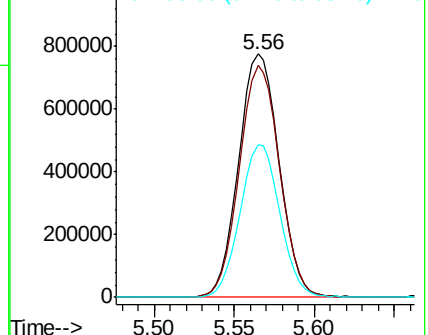
61 100

96 95.5 74.4 111.6

98 63.0 49.2 73.8



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



#32

1,1,1-Trichloroethane

Concen: 10.599 ppbv

RT: 6.53 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

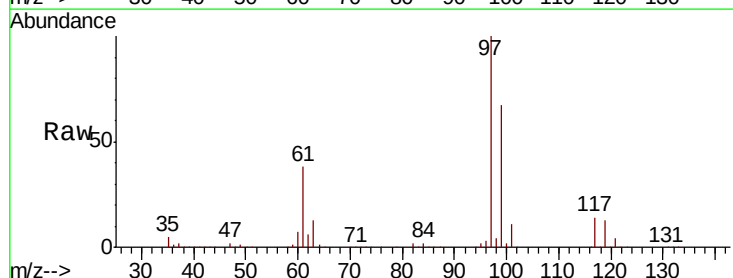
Tgt Ion: 97 Resp: 2508368

Ion Ratio Lower Upper

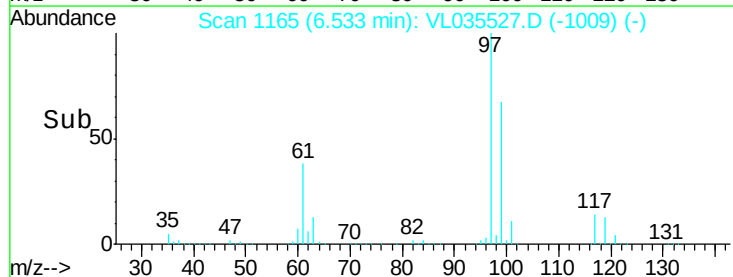
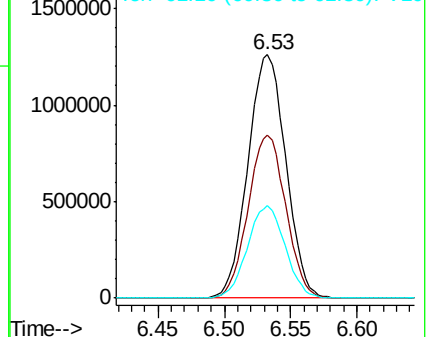
97 100

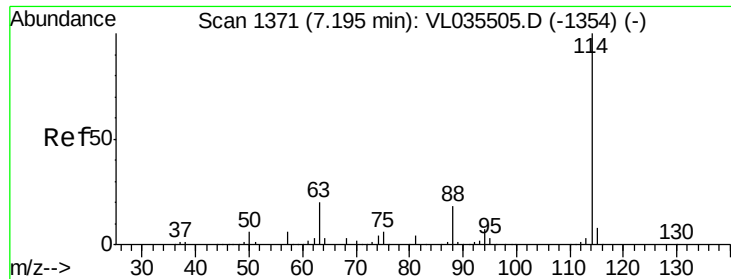
99 66.6 53.3 79.9

61 37.7 30.6 46.0



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





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

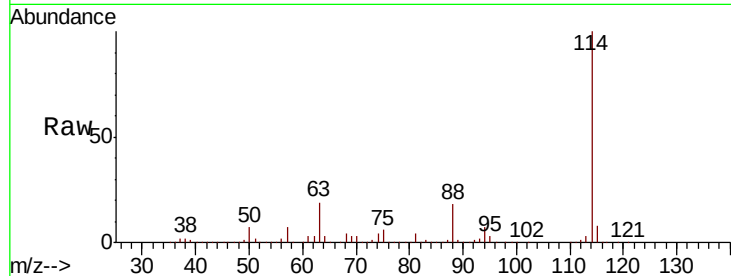
Tot Ion:114 Resp: 4791200

Ion Ratio Lower Upper

114 100

63 18.5 14.7 22.1

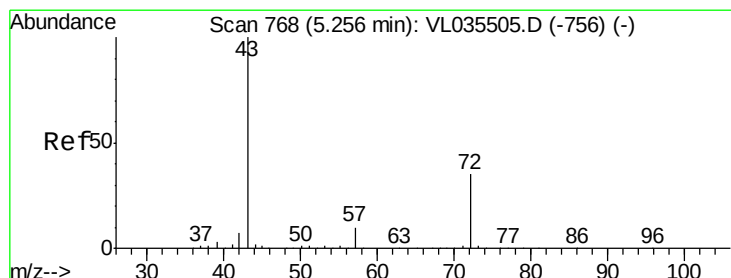
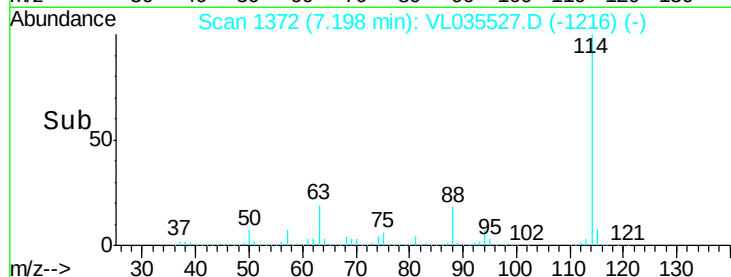
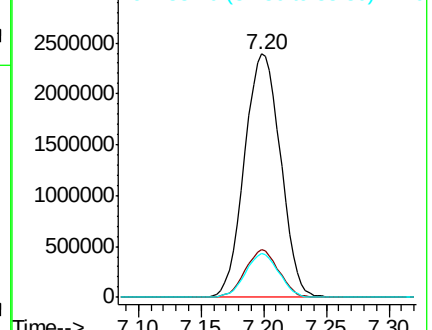
88 16.9 13.4 20.2



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.412 ppbv

RT: 5.26 min Scan# 769

Delta R.T. 0.00 min

Lab File: VL035527.D

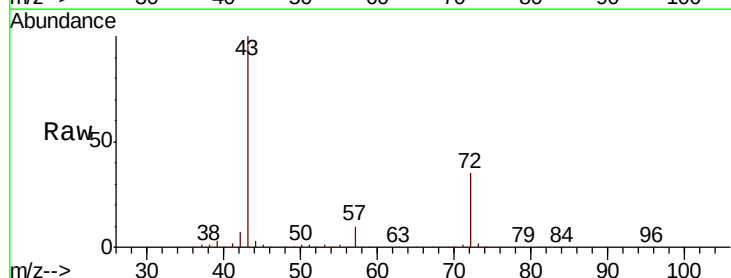
Acq: 3 Sep 2020 11:40

Tgt Ion: 43 Resp: 1480450

Ion Ratio Lower Upper

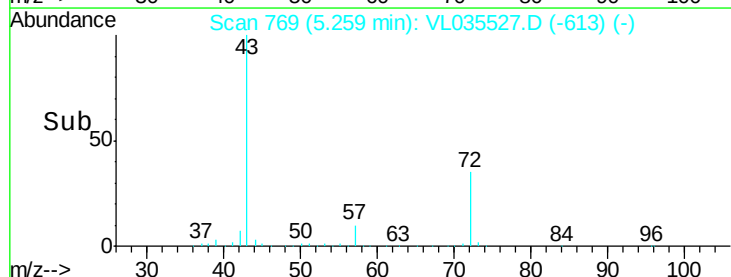
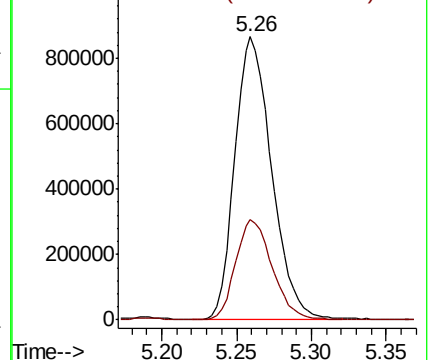
43 100

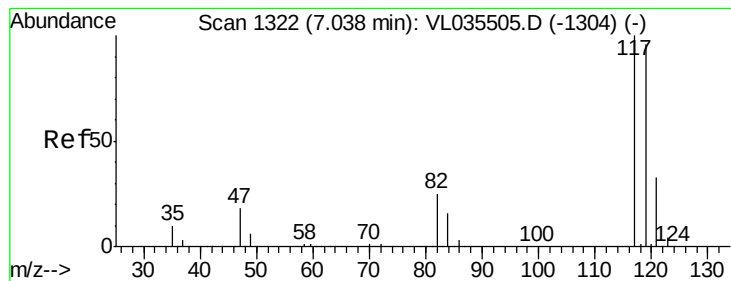
72 35.2 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.832 ppbv

RT: 7.04 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

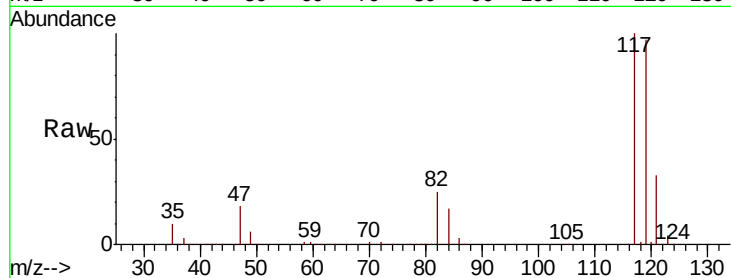
Tot Ion:117 Resp: 2608408

Ion Ratio Lower Upper

117 100

119 96.9 77.2 115.8

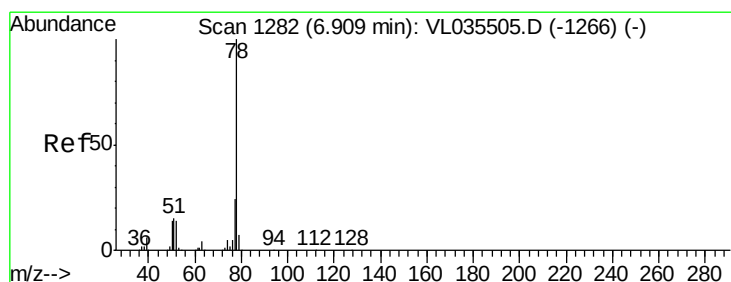
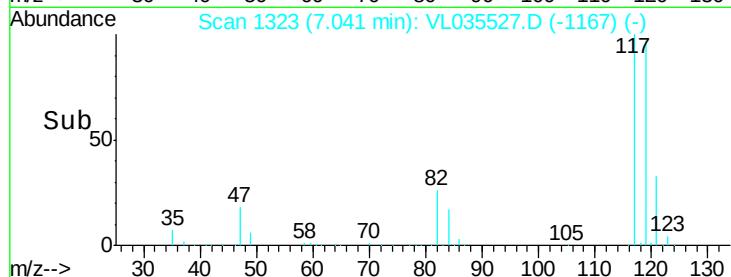
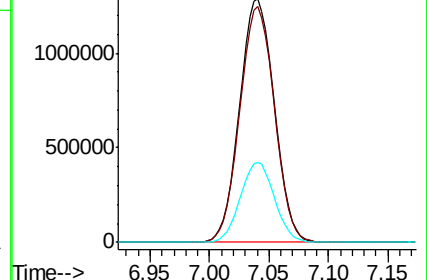
121 32.8 26.1 39.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.539 ppbv

RT: 6.92 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

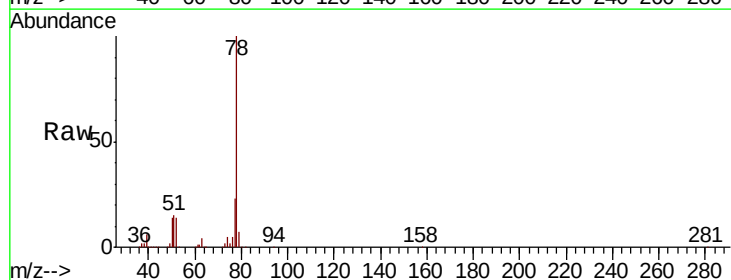
Tgt Ion: 78 Resp: 3268478

Ion Ratio Lower Upper

78 100

77 23.2 19.3 28.9

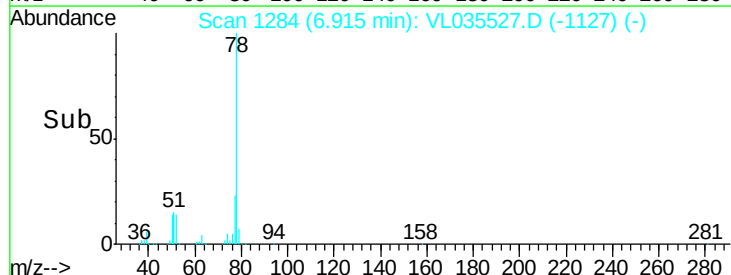
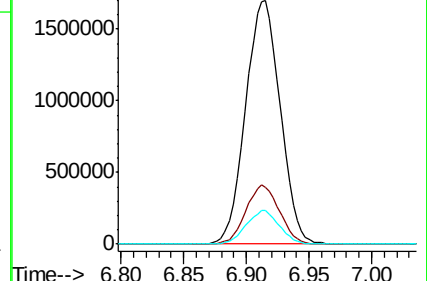
50 13.6 11.0 16.6

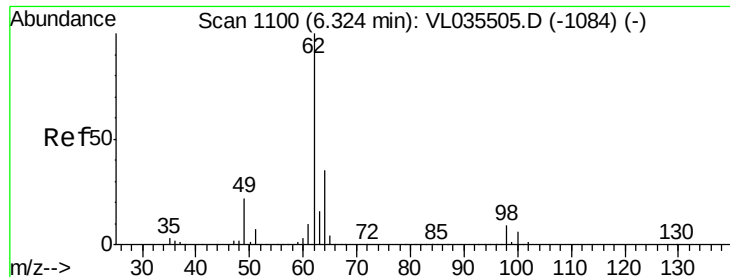


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

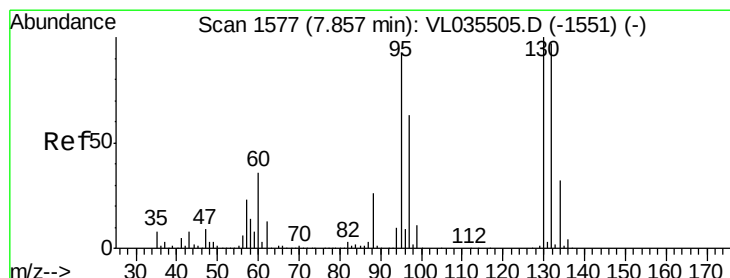
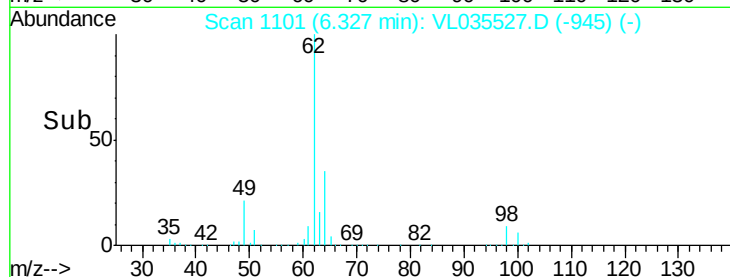
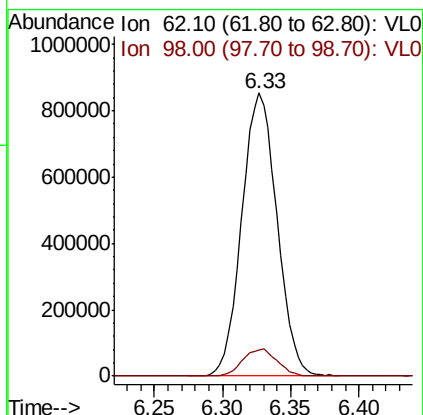
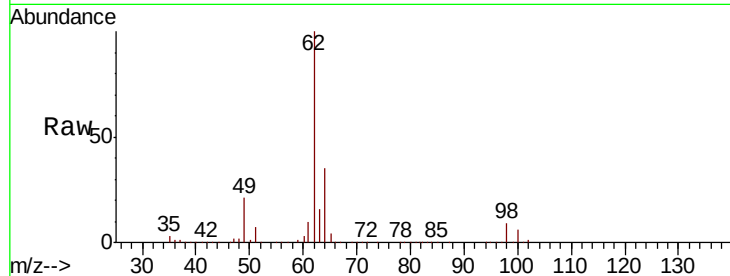




#37
 1,2-Dichloroethane
 Concen: 10.366 ppbv
 RT: 6.33 min Scan# 1101
 Delta R.T. 0.00 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

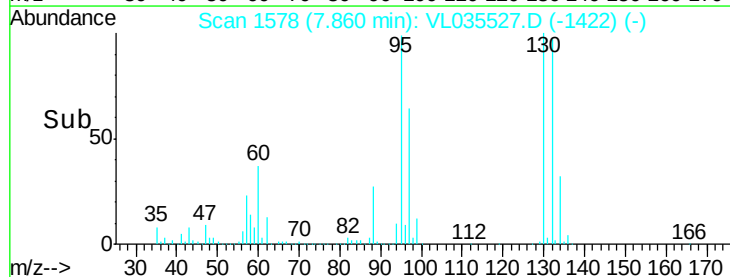
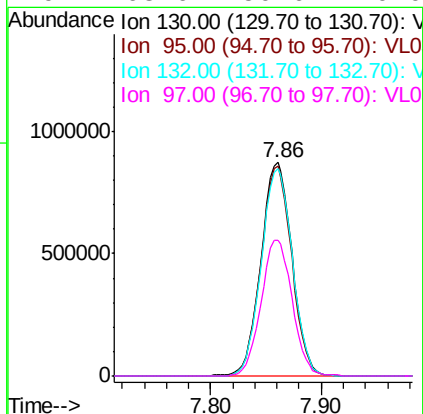
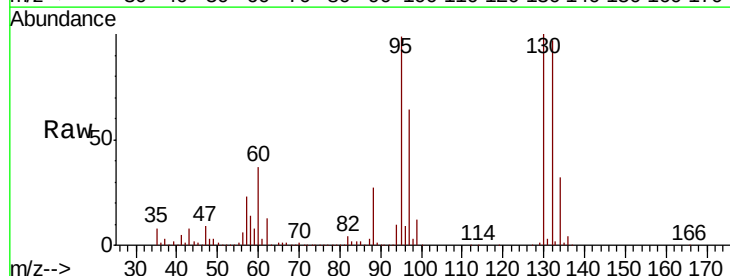
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

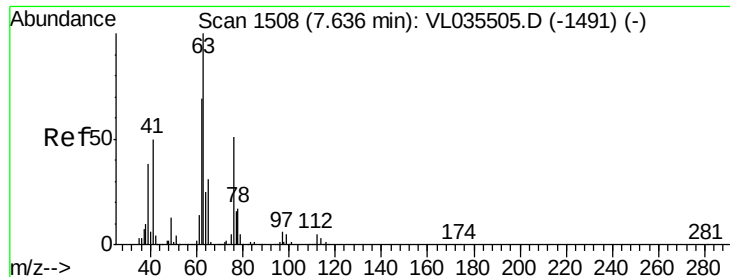
Tot Ion: 62 Resp: 1532794
 Ion Ratio Lower Upper
 62 100
 98 9.5 7.4 11.0



#38
 Trichloroethene
 Concen: 9.527 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

Tgt Ion:130 Resp: 1716292
 Ion Ratio Lower Upper
 130 100
 95 98.6 74.6 112.0
 132 96.8 77.6 116.4
 97 63.6 50.6 76.0





#39

1,2-Dichloropropane

Concen: 10.434 ppbv

RT: 7.64 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

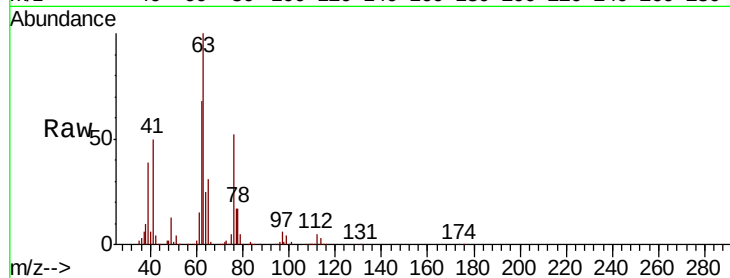
Tot Ion: 63 Resp: 1093177

Ion Ratio Lower Upper

63 100

41 50.3 40.0 60.0

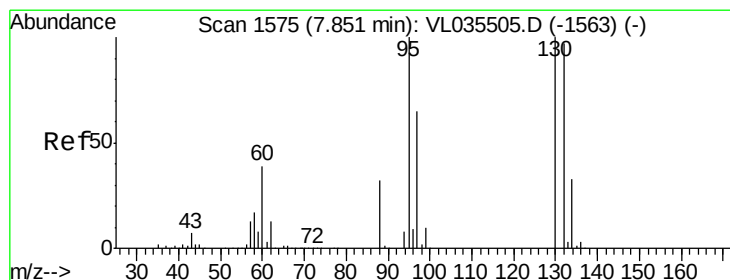
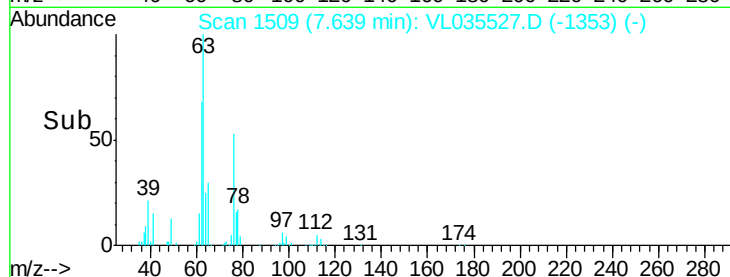
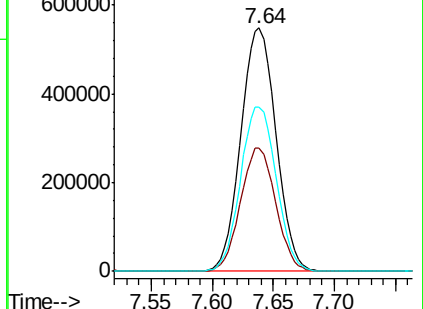
62 67.5 55.4 83.0



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: 11.012 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Tgt Ion: 88 Resp: 576327

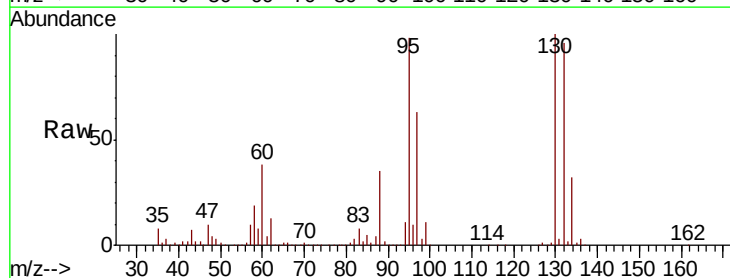
Ion Ratio Lower Upper

88 100

58 88.4 68.7 103.1

43 133.5 104.3 156.5

57 718.3 560.7 841.1

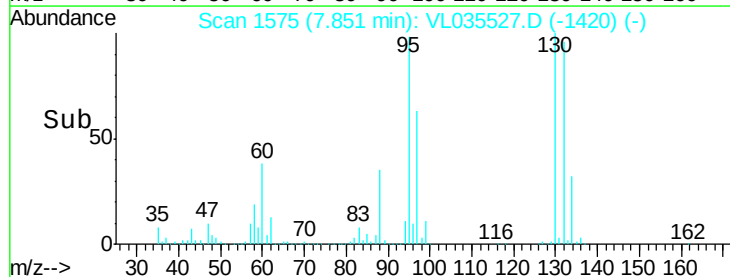
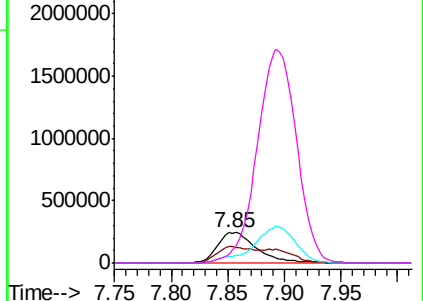


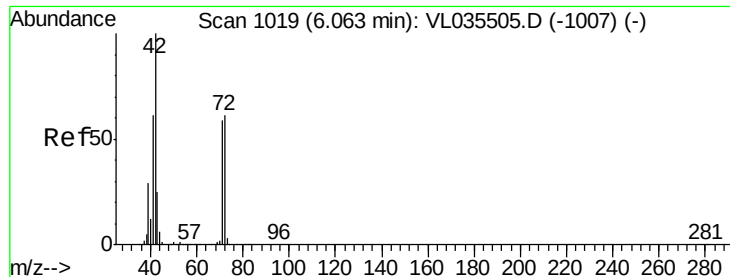
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.255 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

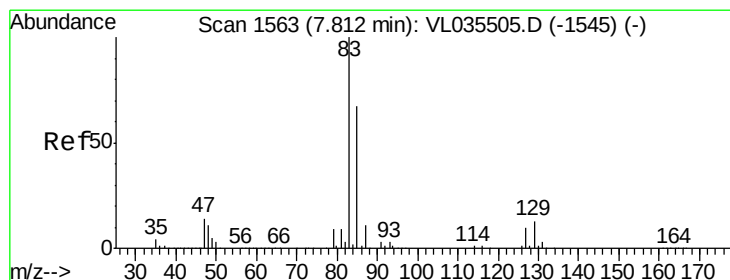
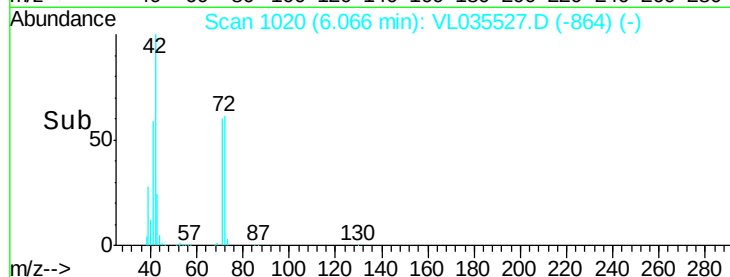
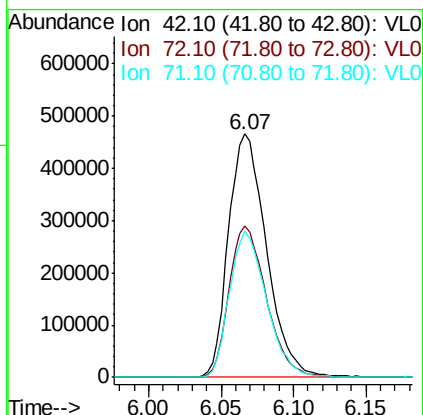
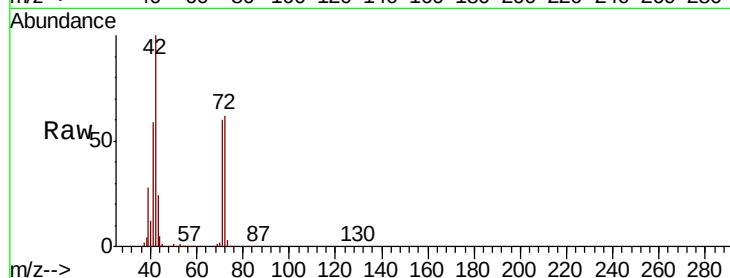
Tot Ion: 42 Resp: 848600

Ion Ratio Lower Upper

42 100

72 61.5 48.6 73.0

71 58.9 46.1 69.1



#42

Bromodichloromethane

Concen: 11.102 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

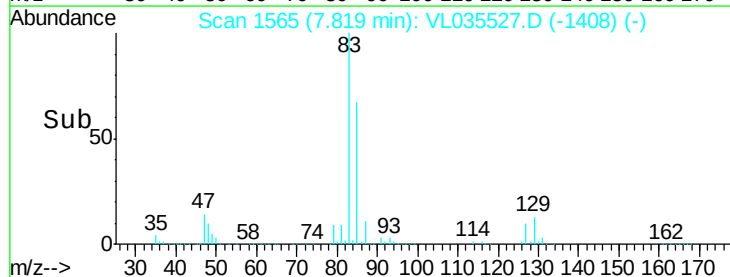
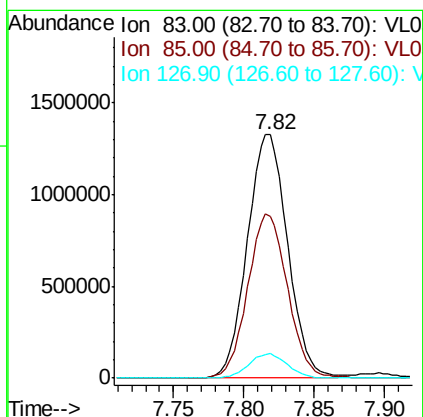
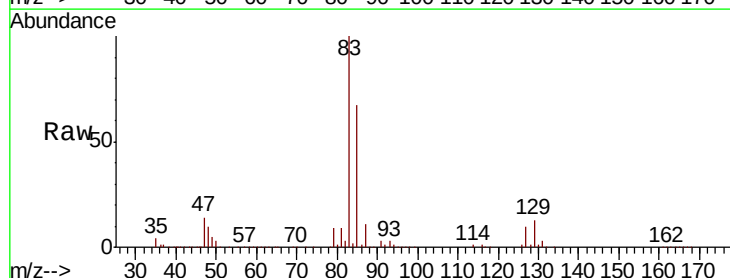
Tgt Ion: 83 Resp: 2654516

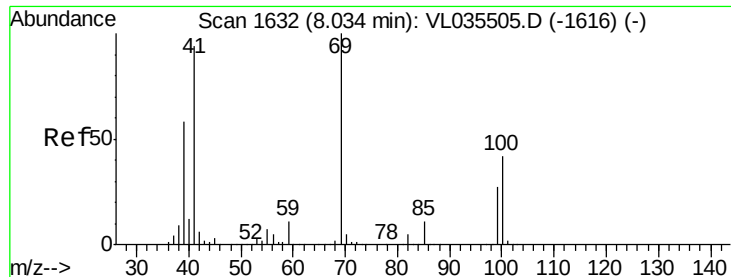
Ion Ratio Lower Upper

83 100

85 66.6 53.7 80.5

127 10.2 8.1 12.1

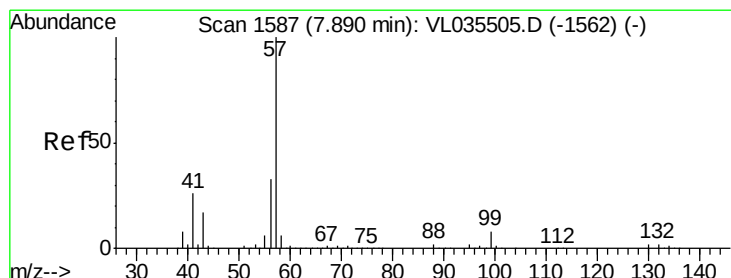
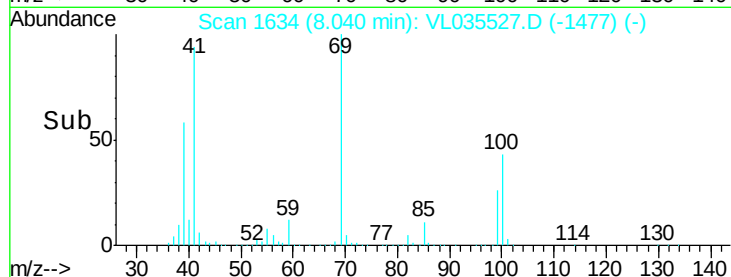
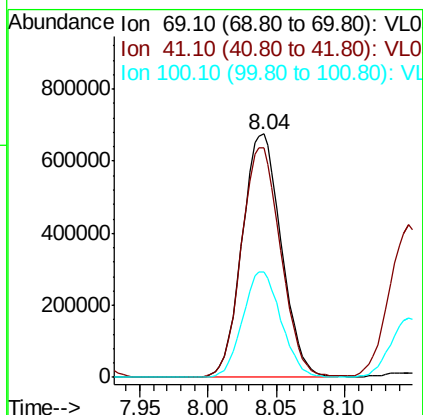
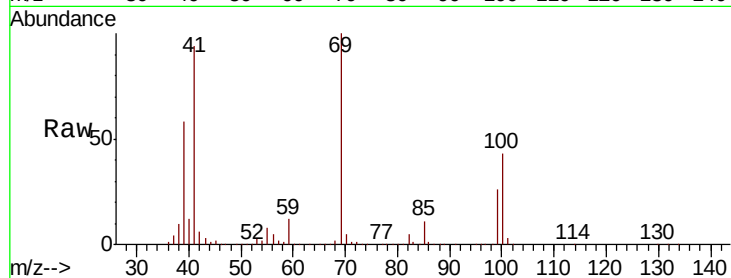




#43
 Methvl Methacrylate
 Concen: 11.229 ppbv
 RT: 8.04 min Scan# 1634
 Delta R.T. 0.01 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

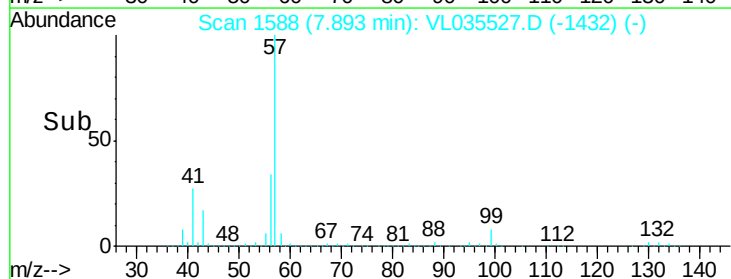
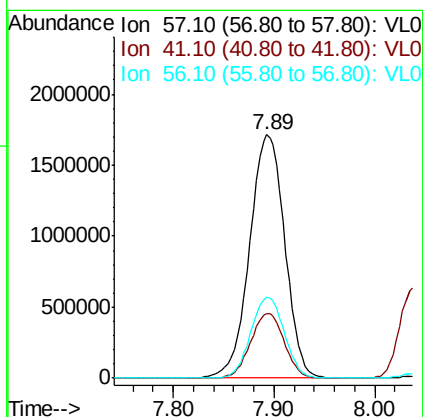
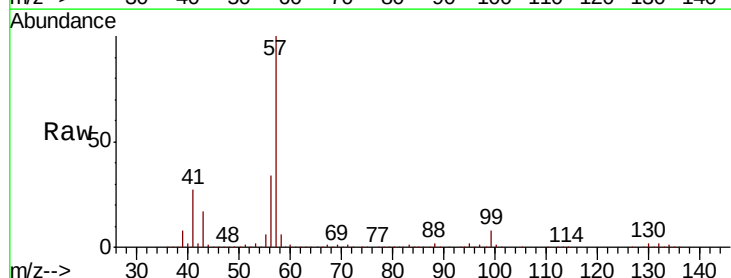
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

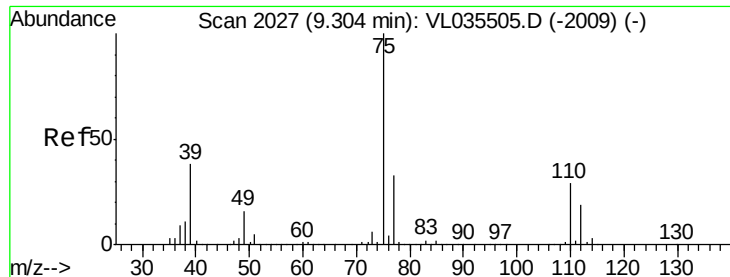
Tot Ion: 69 Resp: 1346572
 Ion Ratio Lower Upper
 69 100
 41 94.7 76.6 114.8
 100 42.6 33.8 50.6



#44
 2,2,4-Trimethylpentane
 Concen: 10.133 ppbv
 RT: 7.89 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

Tgt Ion: 57 Resp: 4135014
 Ion Ratio Lower Upper
 57 100
 41 25.4 20.5 30.7
 56 31.8 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 12.661 ppbv

RT: 9.31 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

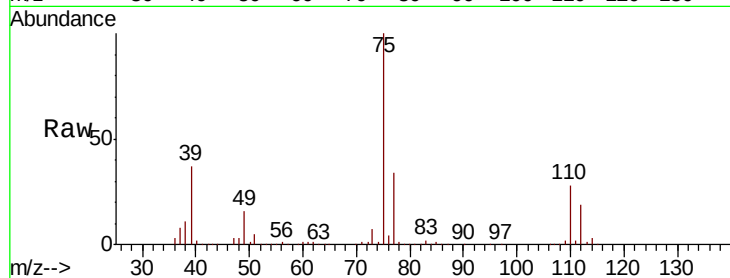
VSTDCCC010

Tot Ion: 75 Resp: 1538154

Ion Ratio Lower Upper

75 100

77 33.6 26.5 39.7



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.31

800000

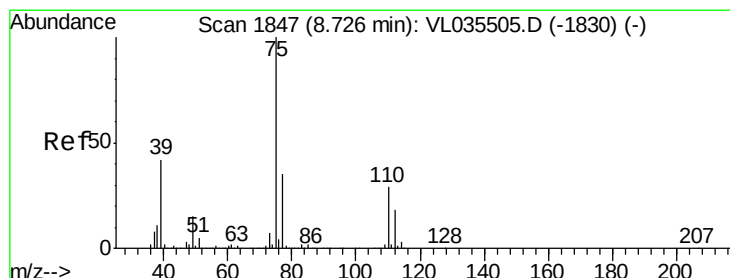
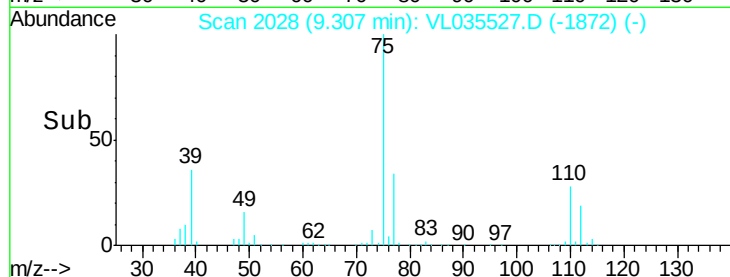
600000

400000

200000

0

Time--> 9.20 9.25 9.30 9.35 9.40



#46

cis-1,3-Dichloropropene

Concen: 12.180 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

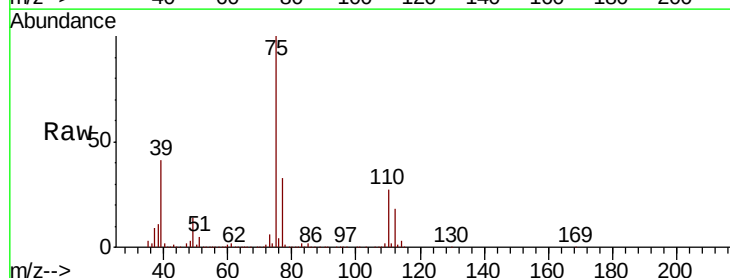
Tgt Ion: 75 Resp: 1837153

Ion Ratio Lower Upper

75 100

39 40.5 33.7 50.5

77 32.9 27.8 41.6



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

1200000

1000000

800000

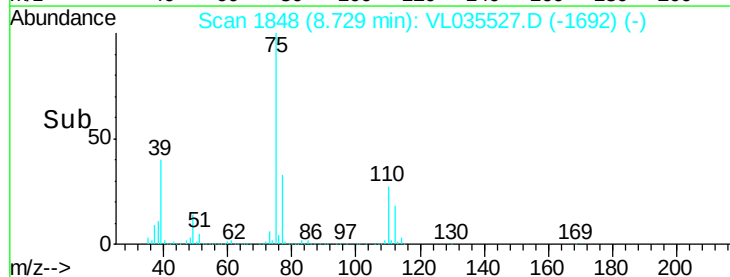
600000

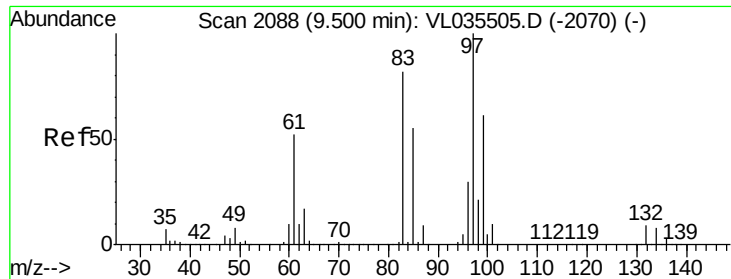
400000

200000

0

Time--> 8.65 8.70 8.75 8.80



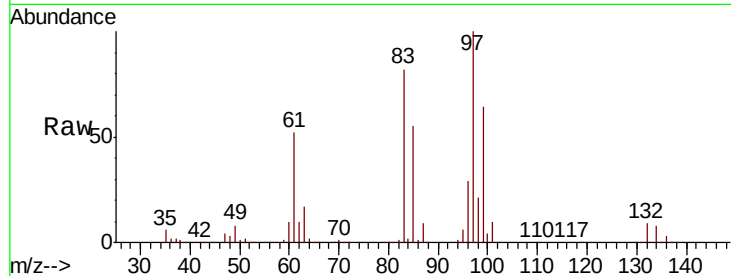


#47
 1,1,2-Trichloroethane
 Concen: 10.423 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

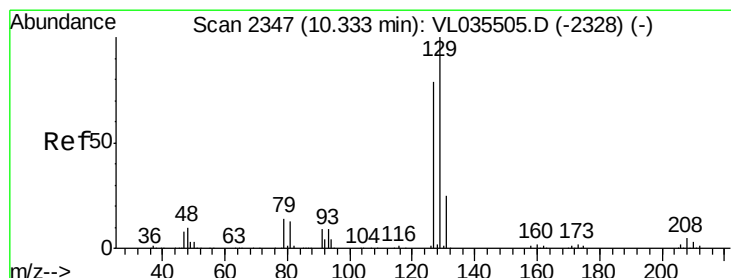
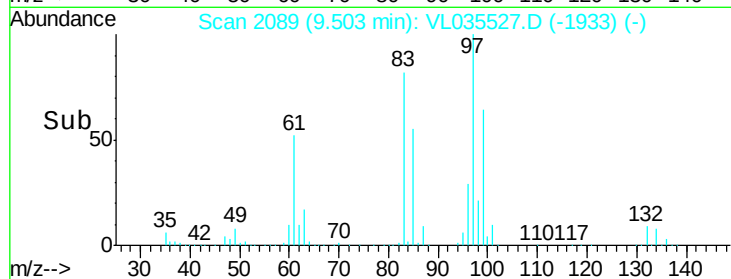
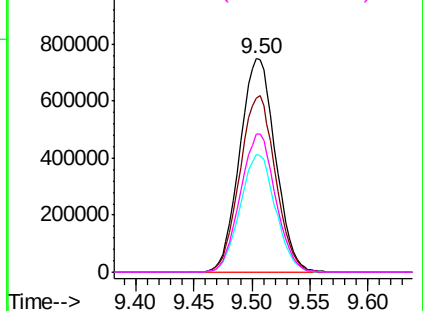
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1611399

Ion	Ratio	Lower	Upper
97	100		
83	81.7	65.4	98.2
85	54.9	43.7	65.5
99	64.5	49.1	73.7



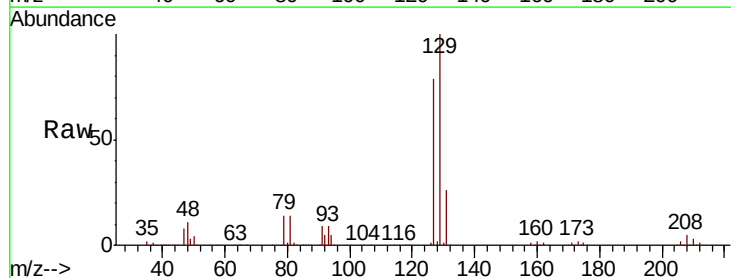
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



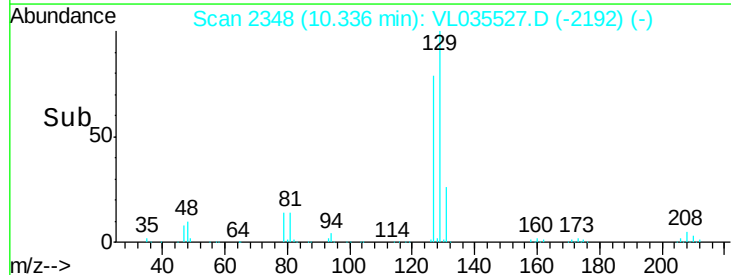
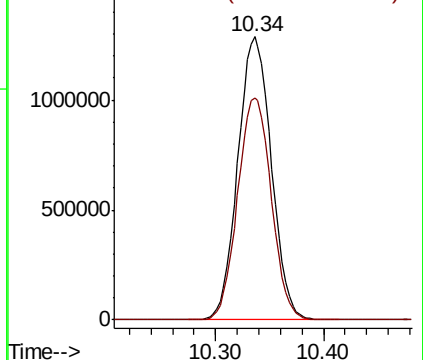
#48
 Dibromochloromethane
 Concen: 11.432 ppbv
 RT: 10.34 min Scan# 2348
 Delta R.T. 0.00 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

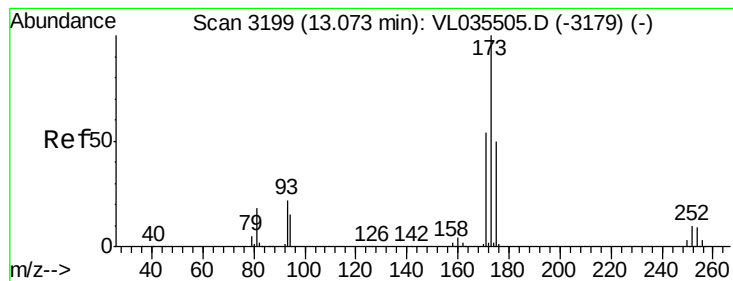
Tgt Ion: 129 Resp: 2781626

Ion	Ratio	Lower	Upper
129	100		
127	79.1	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: 11.991 ppbv

RT: 13.08 min Scan# 3201

Delta R.T. 0.01 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

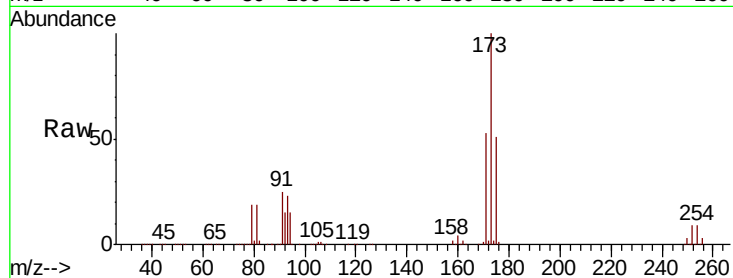
Tot Ion:173 Resp: 2644043

Ion Ratio Lower Upper

173 100

175 50.1 39.8 59.8

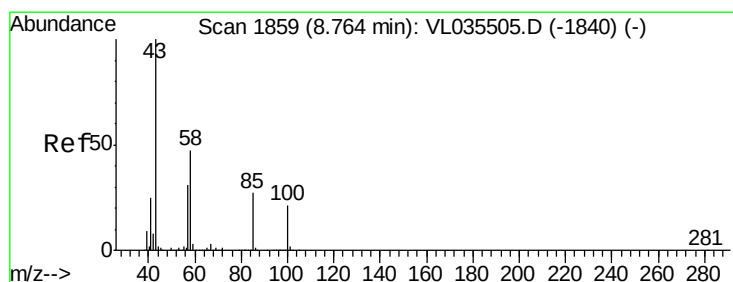
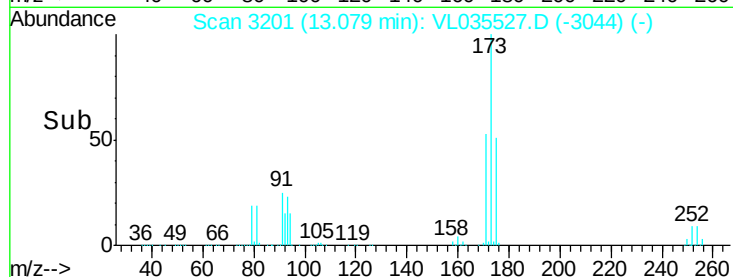
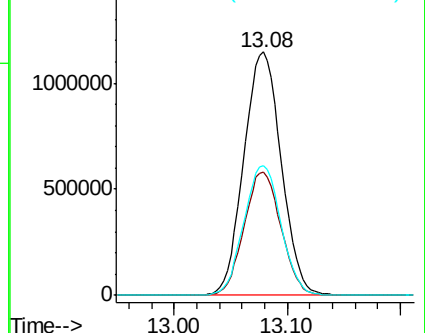
171 53.2 42.4 63.6



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: 10.706 ppbv

RT: 8.77 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VL035527.D

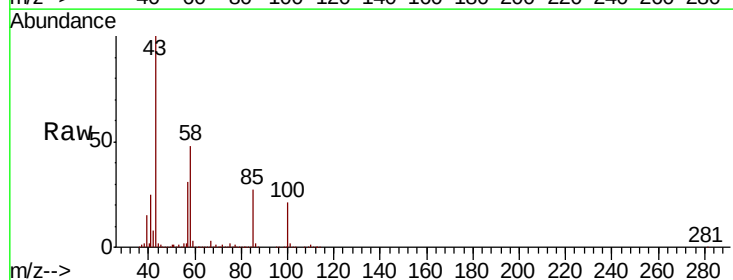
Acq: 3 Sep 2020 11:40

Tgt Ion: 43 Resp: 2204263

Ion Ratio Lower Upper

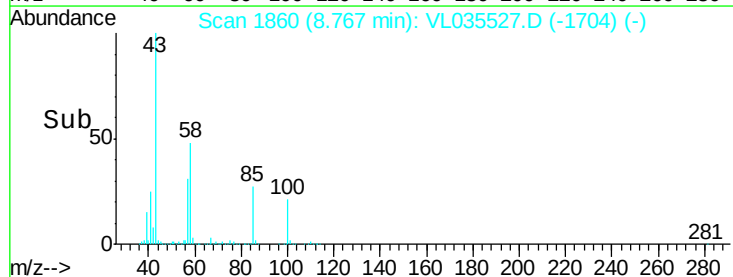
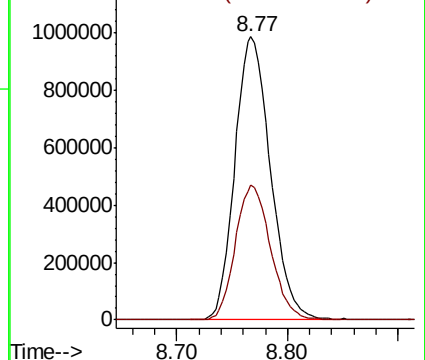
43 100

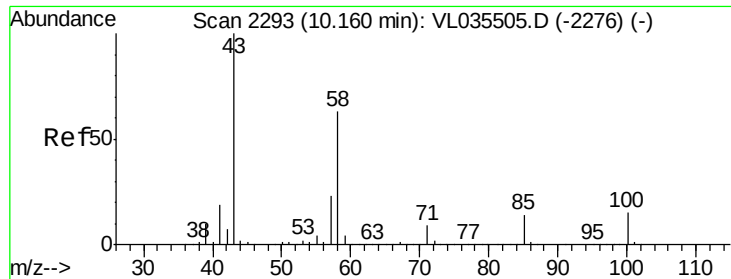
58 47.2 37.4 56.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

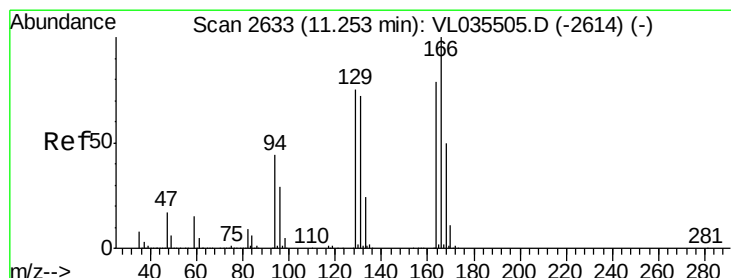
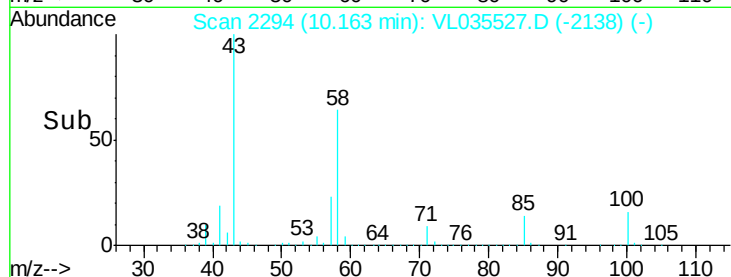
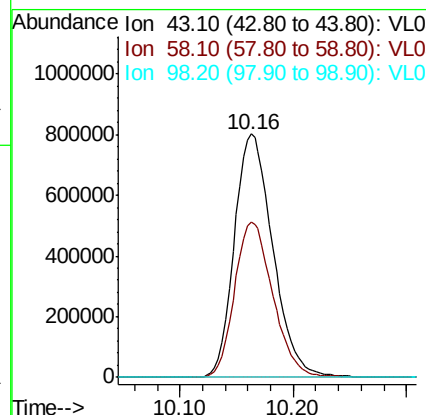
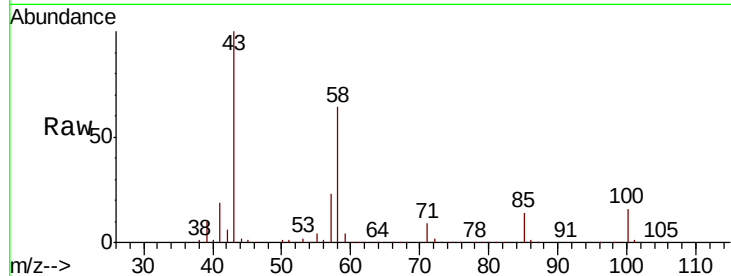




#51
2-Hexanone
Concen: 11.225 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

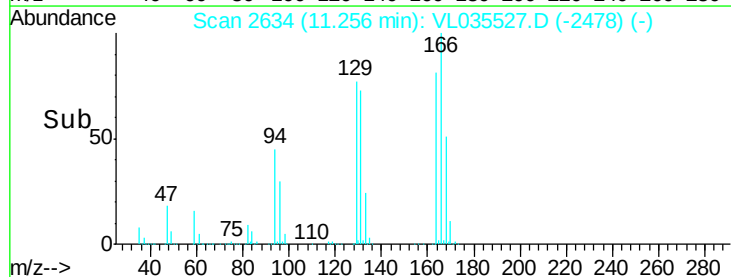
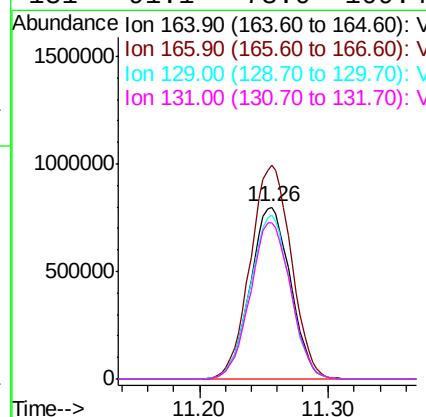
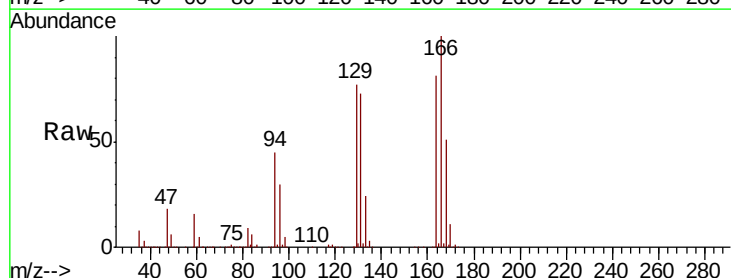
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

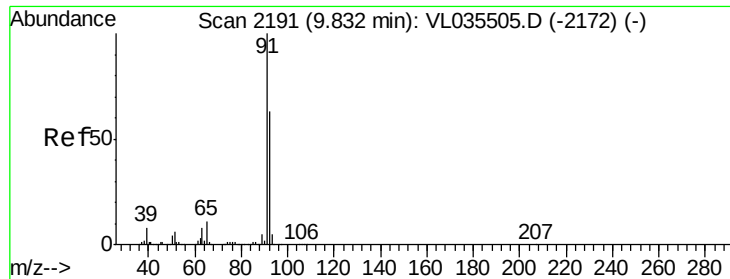
Tot Ion: 43 Resp: 1895844
Ion Ratio Lower Upper
43 100
58 63.8 50.2 75.4
98 0.4 0.4 0.6



#52
Tetrachloroethene
Concen: 9.593 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion: 164 Resp: 1738042
Ion Ratio Lower Upper
164 100
166 124.0 100.9 151.3
129 95.4 75.3 112.9
131 91.1 73.0 109.4





#53

Toluene

Concen: 10.618 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

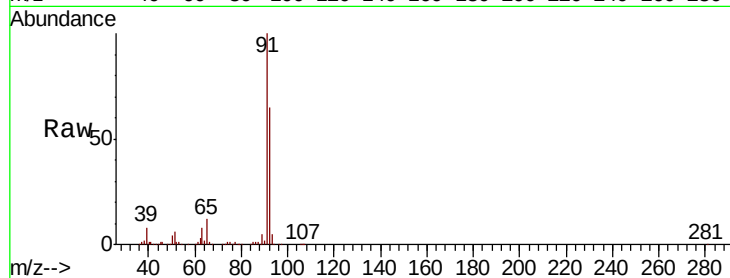
VSTDCCC010

Tot Ion: 91 Resp: 4141295

Ion Ratio Lower Upper

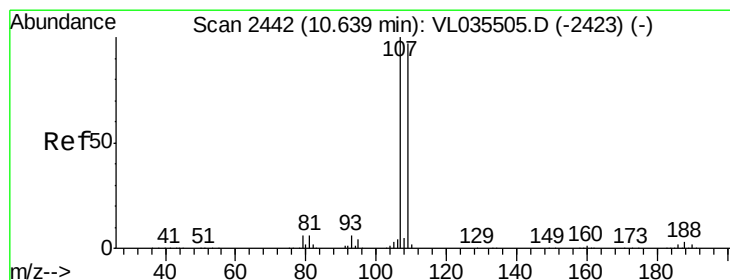
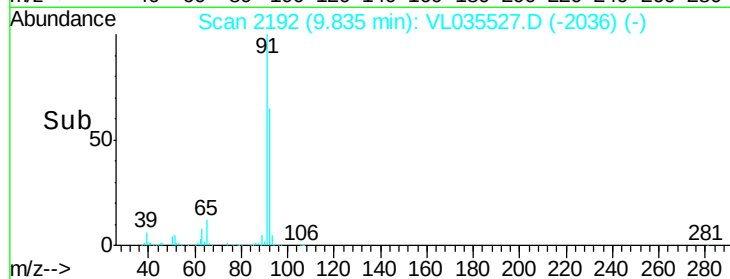
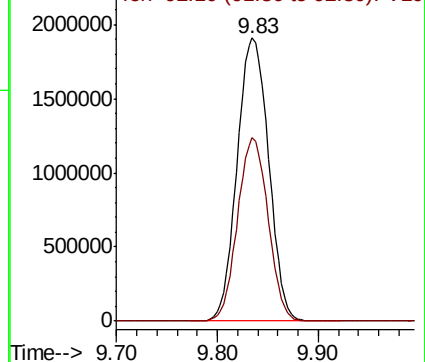
91 100

92 62.8 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: 10.521 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.00 min

Lab File: VL035527.D

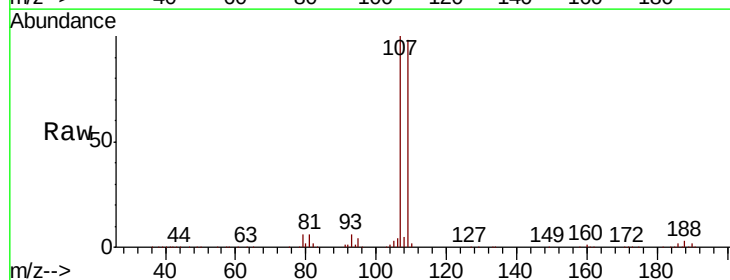
Acq: 3 Sep 2020 11:40

Tgt Ion: 107 Resp: 2570108

Ion Ratio Lower Upper

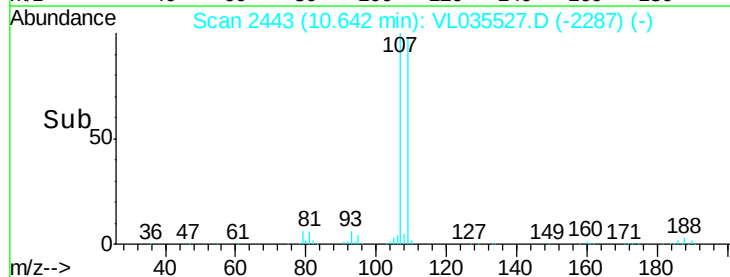
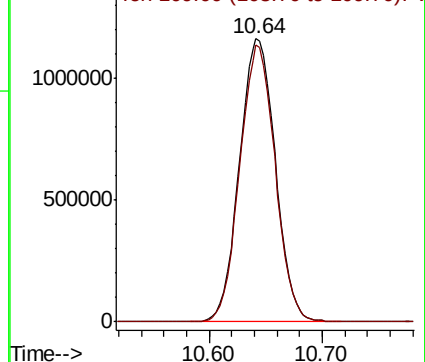
107 100

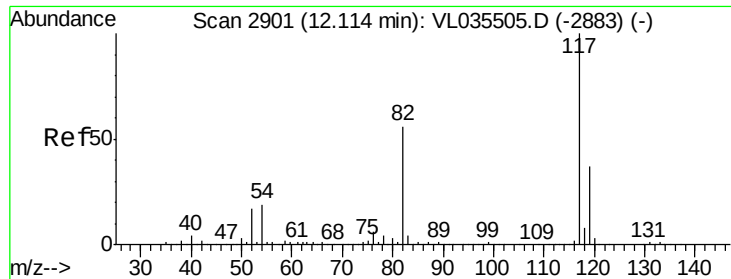
109 97.8 77.8 116.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

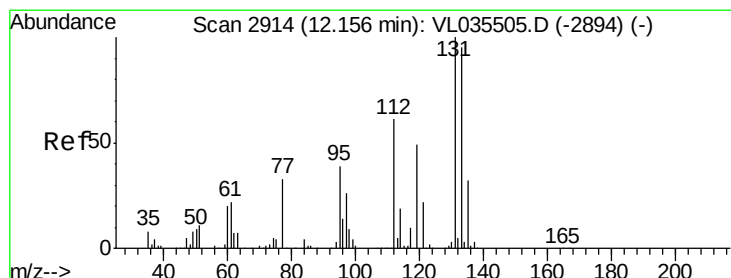
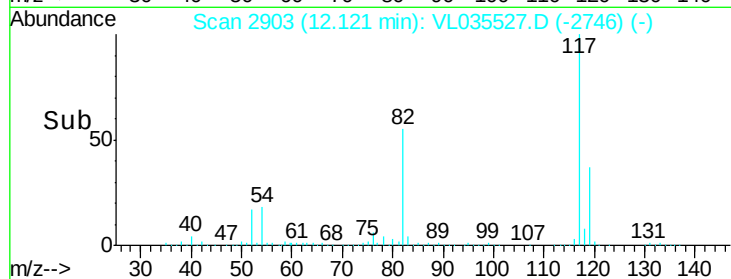
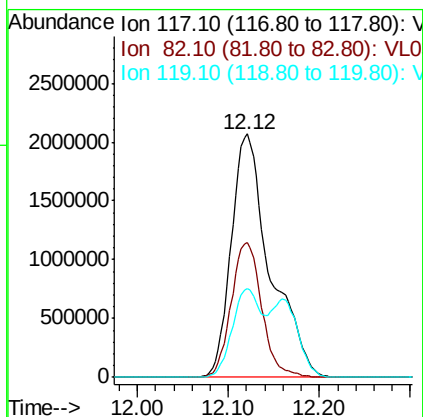
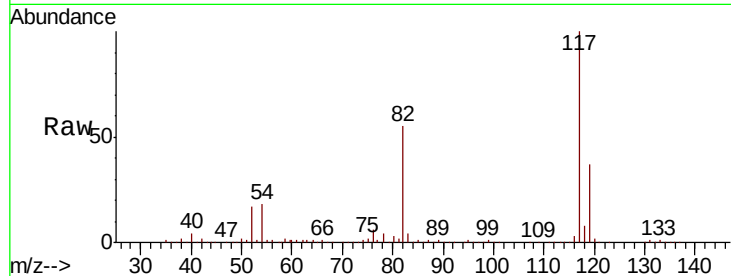




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

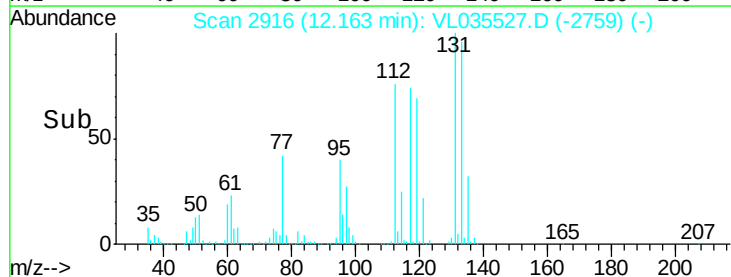
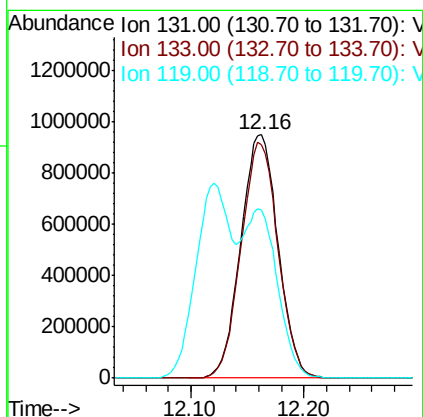
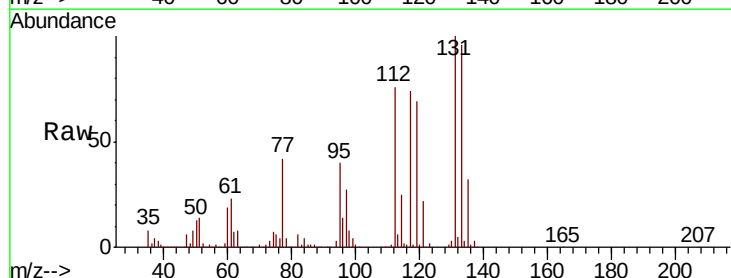
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

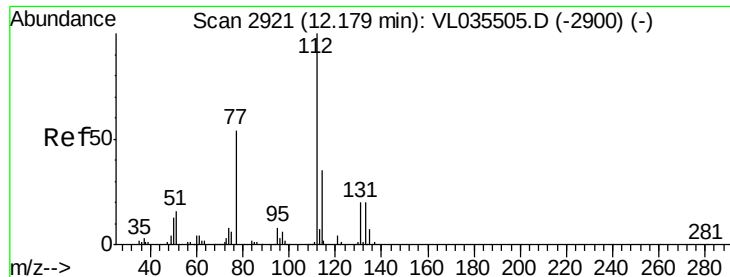
Tot Ion:117 Resp: 6160024
Ion Ratio Lower Upper
117 100
82 43.5 41.6 62.4
119 26.8 29.3 43.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.693 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion:131 Resp: 2178879
Ion Ratio Lower Upper
131 100
133 96.1 76.6 115.0
119 61.3 51.6 77.4

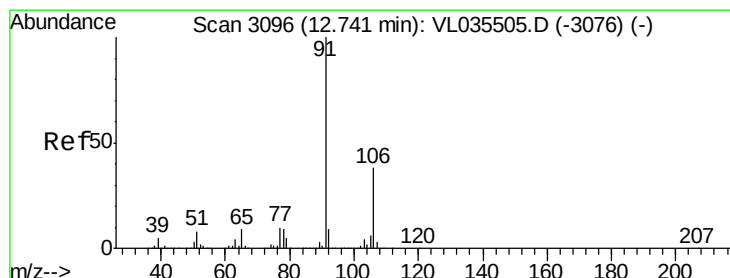
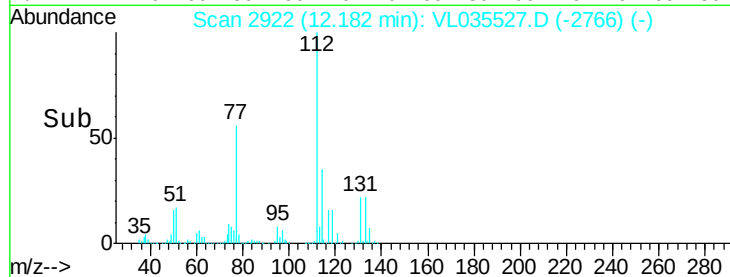
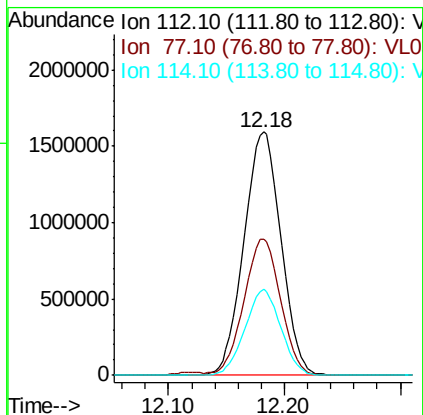
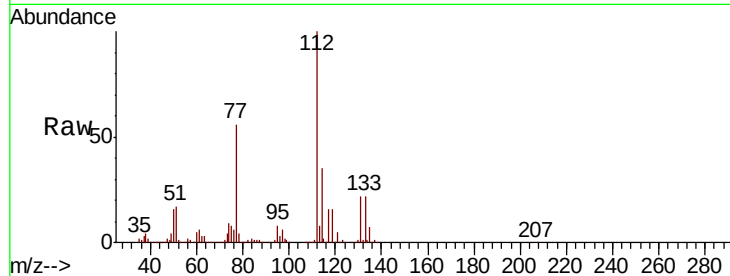




#57
Chlorobenzene
Concen: 7.839 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

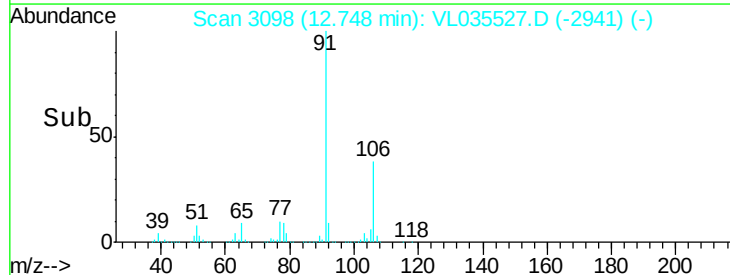
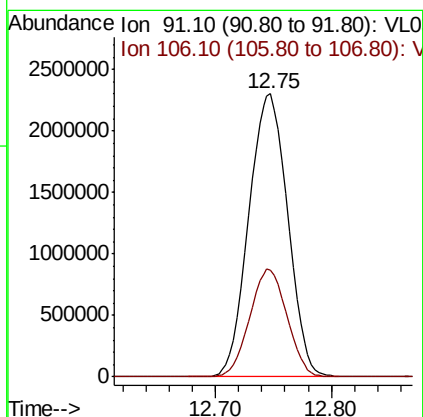
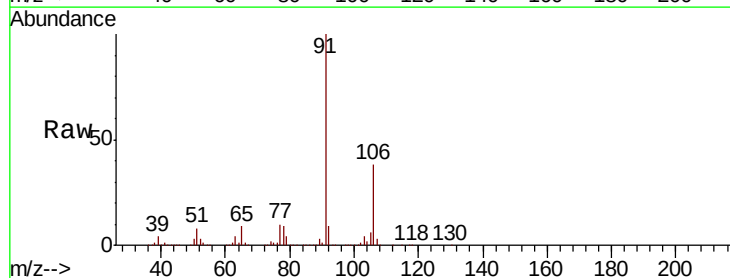
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

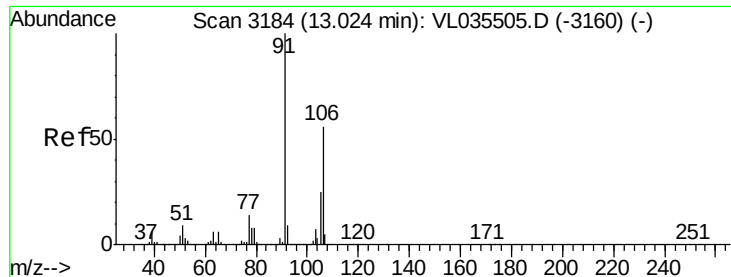
Tot Ion:112 Resp: 3553966
Ion Ratio Lower Upper
112 100
77 55.7 44.2 66.4
114 35.2 31.6 38.6



#58
Ethyl Benzene
Concen: 8.457 ppbv
RT: 12.75 min Scan# 3098
Delta R.T. 0.01 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion: 91 Resp: 5372071
Ion Ratio Lower Upper
91 100
106 37.9 30.3 45.5

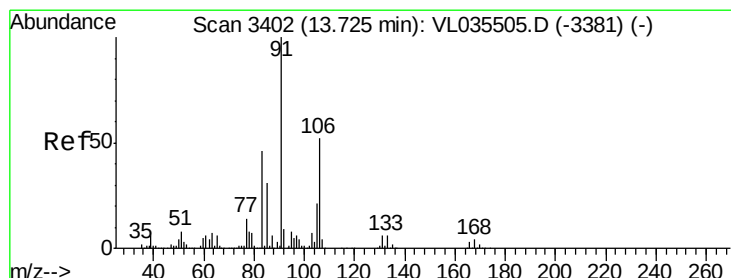
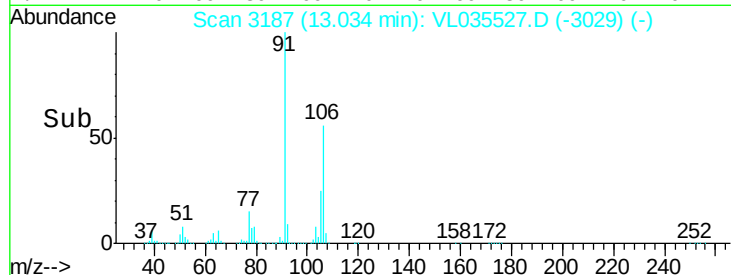
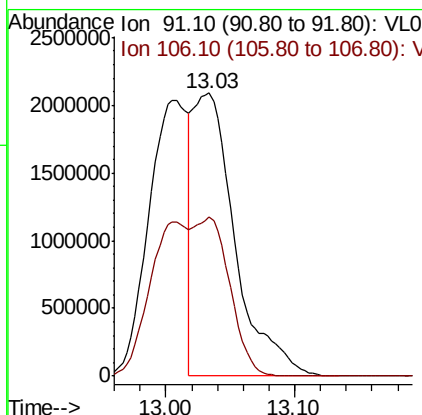
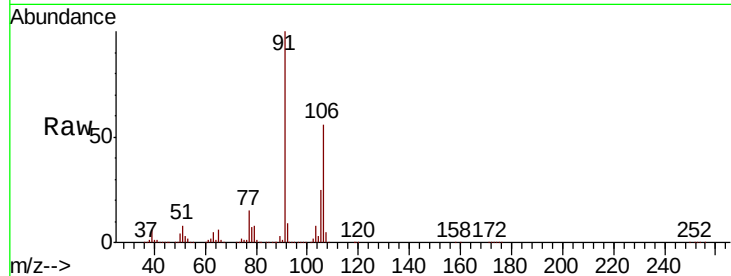




#59
m/p-Xylene
Concen: 8.879 ppbv
RT: 13.03 min Scan# 3187
Delta R.T. 0.01 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

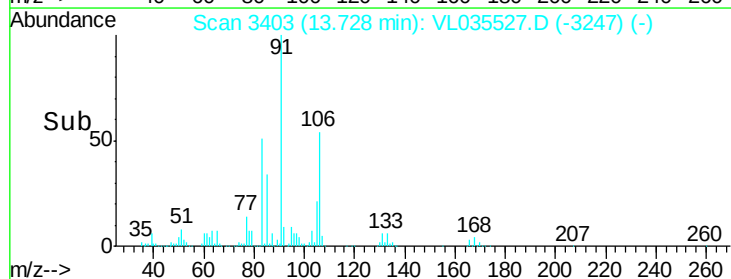
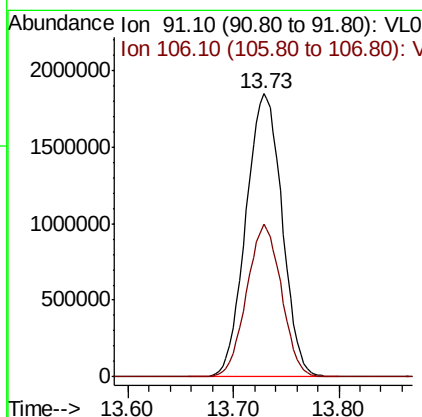
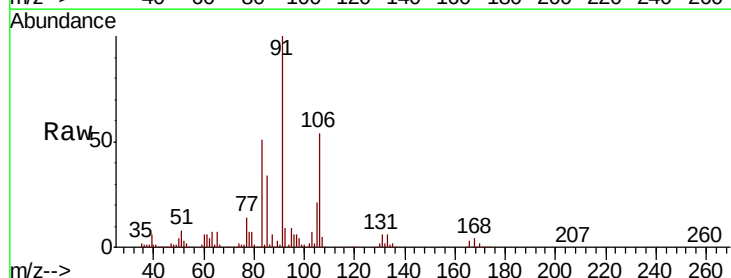
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

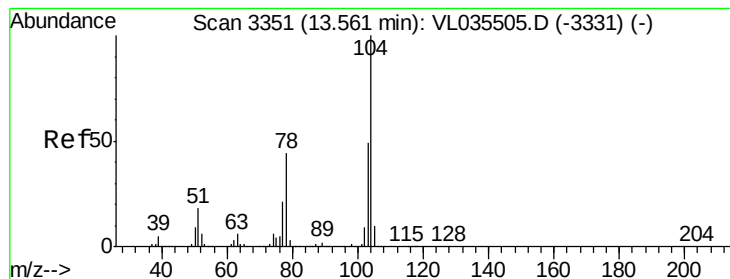
Tot Ion: 91 Resp: 4712894
Ion Ratio Lower Upper
91 100
106 99.2 43.4 65.2#



#60
o-Xylene
Concen: 8.236 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion: 91 Resp: 4403006
Ion Ratio Lower Upper
91 100
106 51.8 25.8 77.4





#61

Stvrene

Concen: 8.975 ppbv

RT: 13.56 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

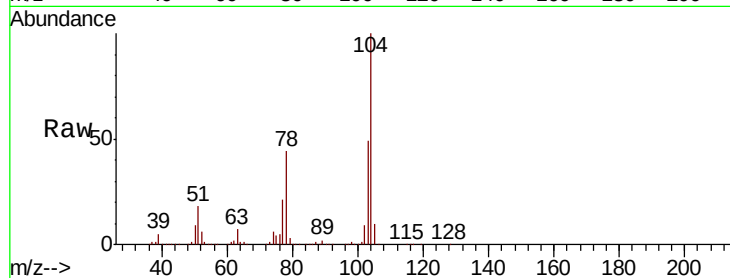
Tot Ion:104 Resp: 3669658

Ion Ratio Lower Upper

104 100

78 43.7 34.8 52.2

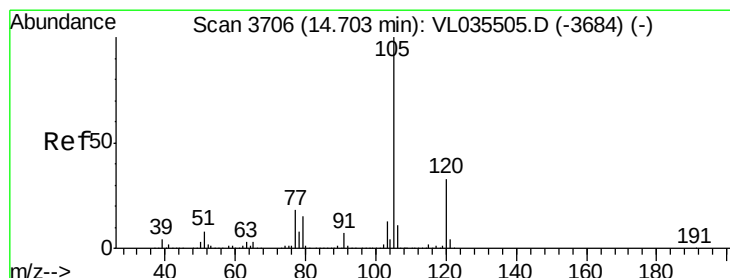
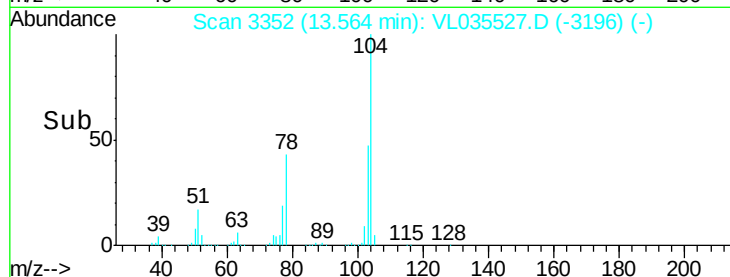
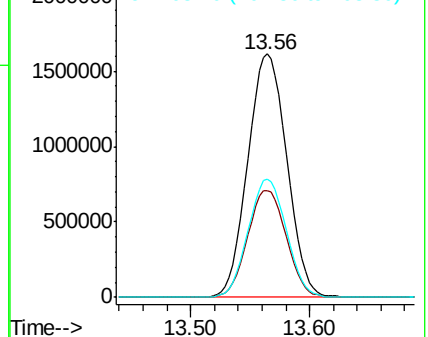
103 47.7 38.2 57.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.905 ppbv

RT: 14.71 min Scan# 3707

Delta R.T. 0.00 min

Lab File: VL035527.D

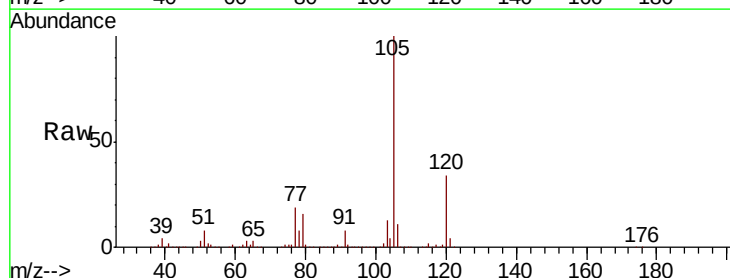
Acq: 3 Sep 2020 11:40

Tgt Ion:105 Resp: 6788206

Ion Ratio Lower Upper

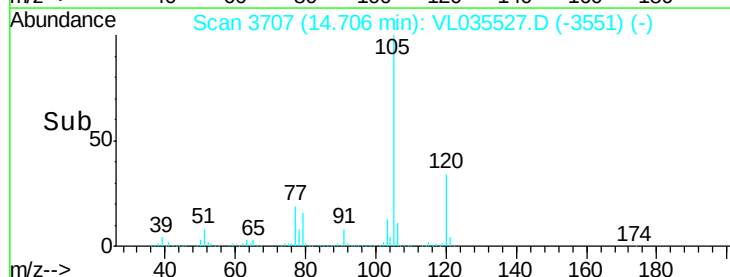
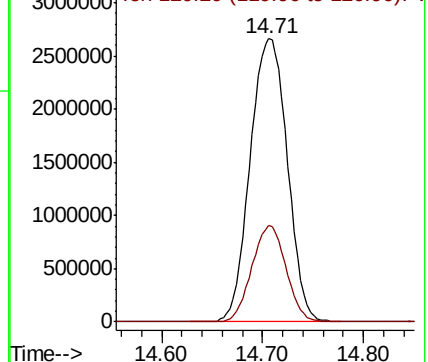
105 100

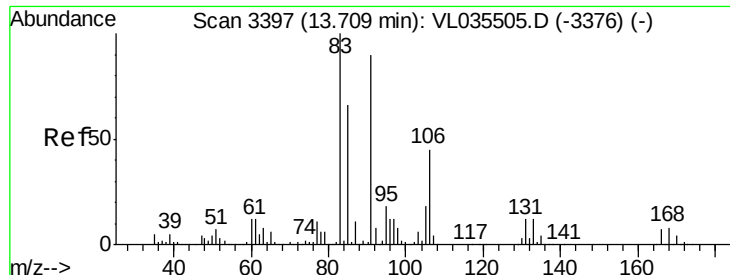
120 31.3 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

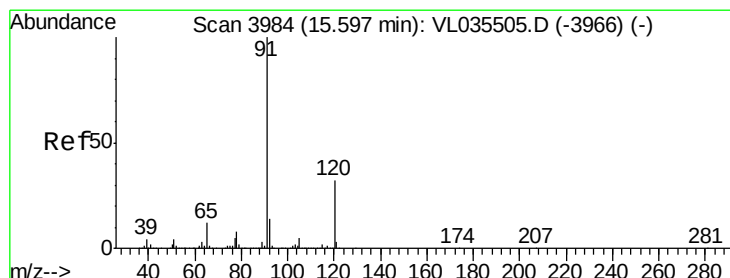
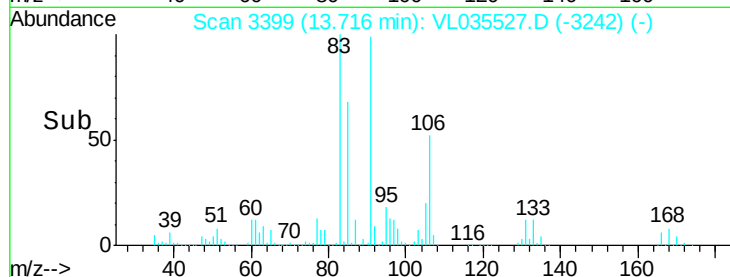
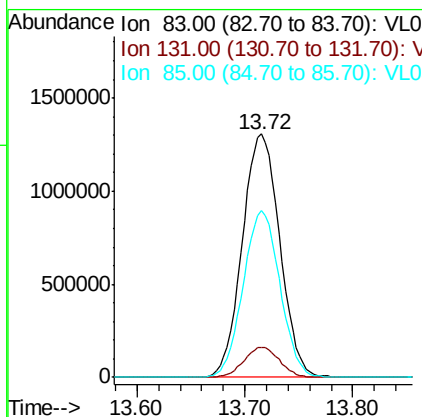
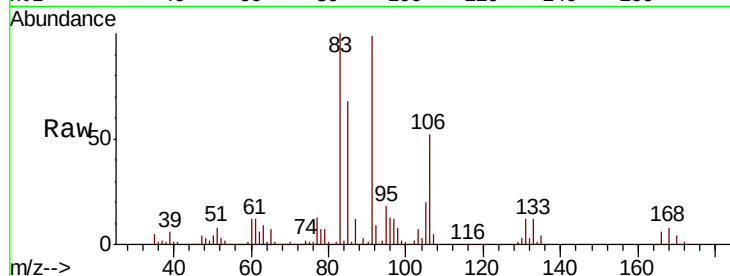




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.629 ppbv
 RT: 13.72 min Scan# 3399
 Delta R.T. 0.01 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

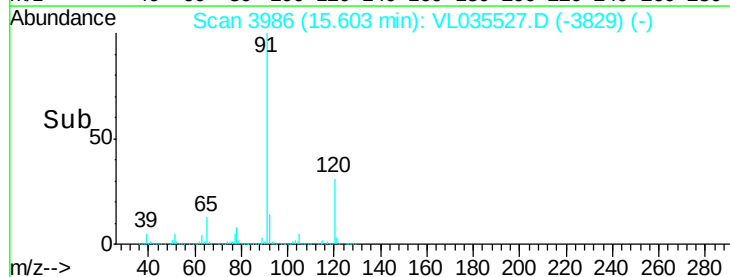
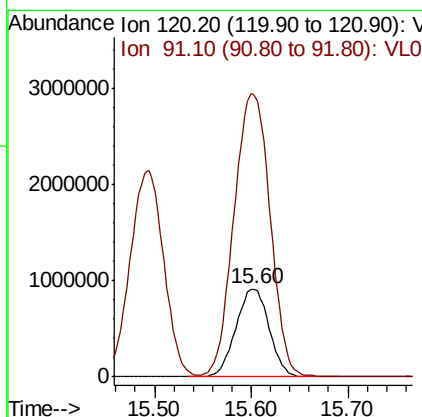
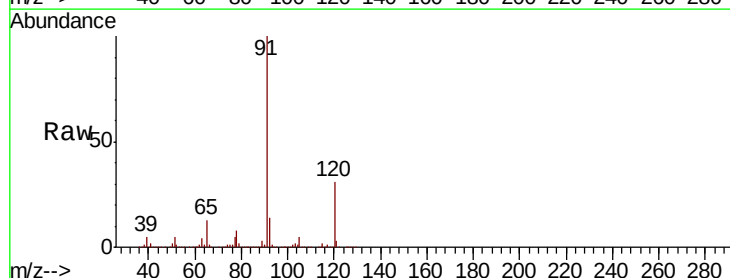
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

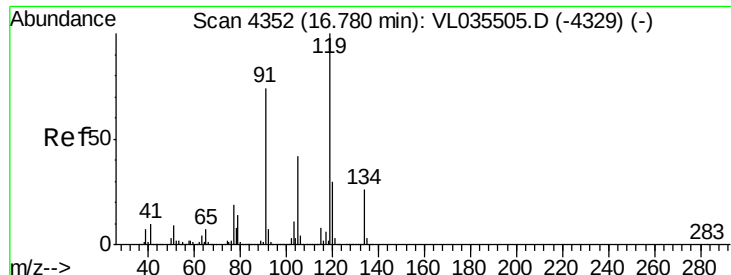
Tot Ion: 83 Resp: 3161806
 Ion Ratio Lower Upper
 83 100
 131 11.8 6.0 18.0
 85 67.4 33.4 100.2



#64
 n-propylbenzene
 Concen: 8.341 ppbv
 RT: 15.60 min Scan# 3986
 Delta R.T. 0.01 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

Tgt Ion: 120 Resp: 2185832
 Ion Ratio Lower Upper
 120 100
 91 350.3 279.4 419.0





#65

tert-Butylbenzene

Concen: 8.073 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.01 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

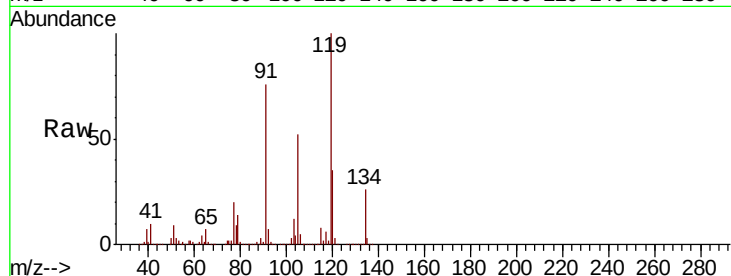
Tot Ion:119 Resp: 6444877

Ion Ratio Lower Upper

119 100

91 74.1 58.6 87.8

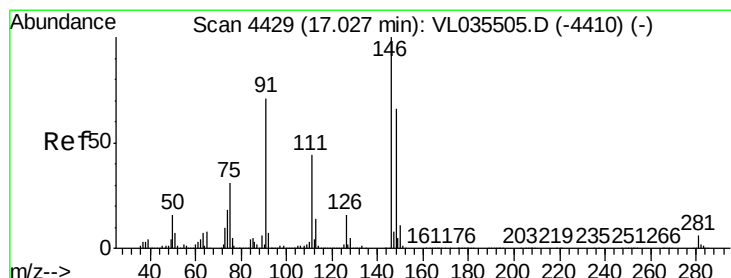
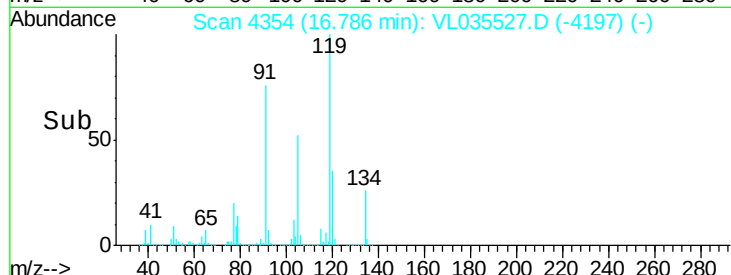
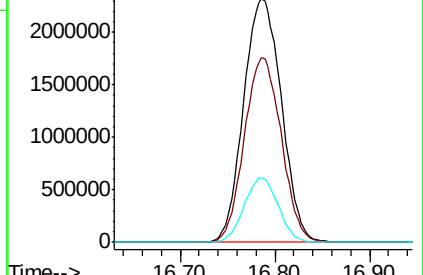
134 23.8 18.9 28.3



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.428 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

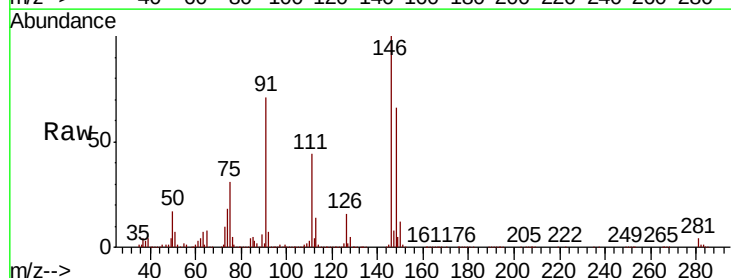
Tgt Ion: 91 Resp: 2267250

Ion Ratio Lower Upper

91 100

126 21.3 17.2 25.8

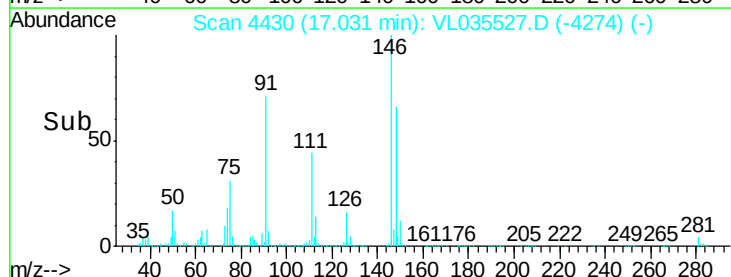
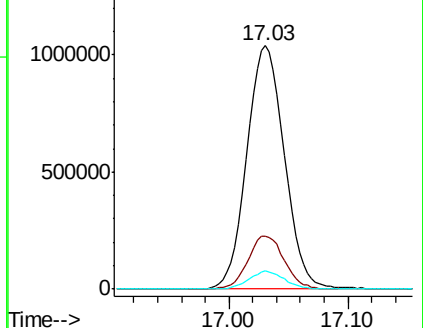
128 7.0 5.5 8.3

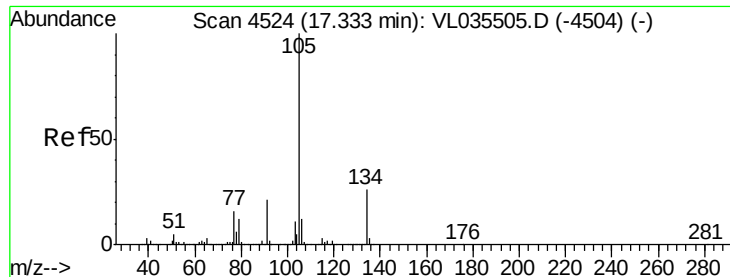


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.803 ppbv

RT: 17.34 min Scan# 4525

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

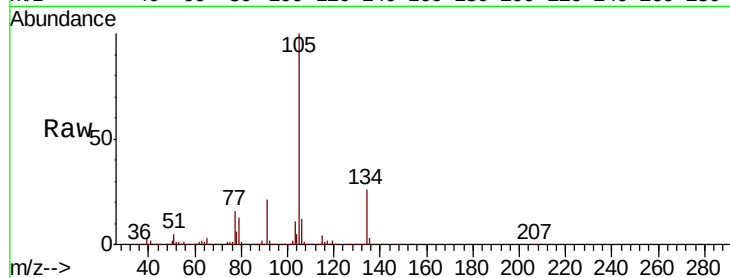
VSTDCCC010

Tot Ion:105 Resp: 8298582

Ion Ratio Lower Upper

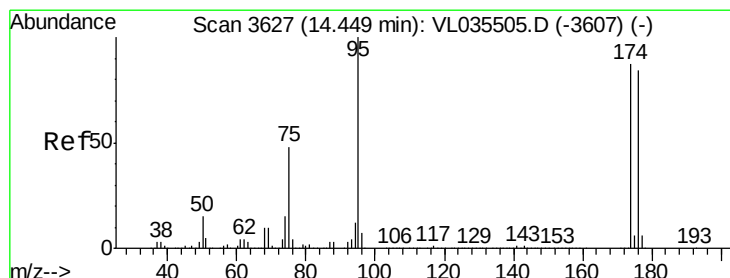
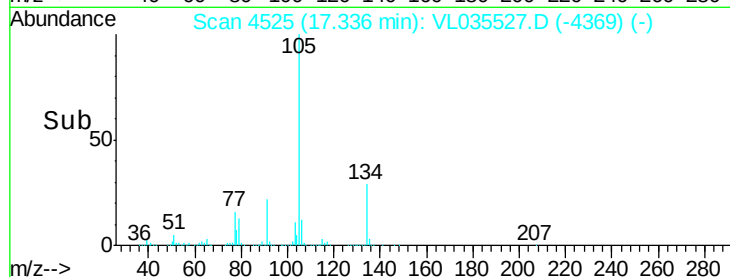
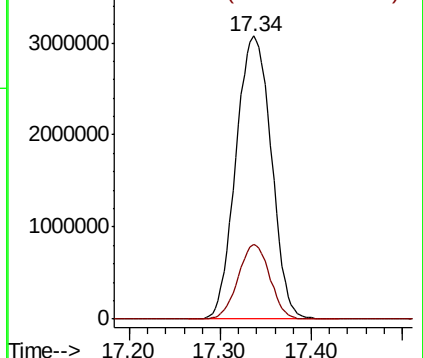
105 100

134 23.8 19.1 28.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.086 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. 0.01 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

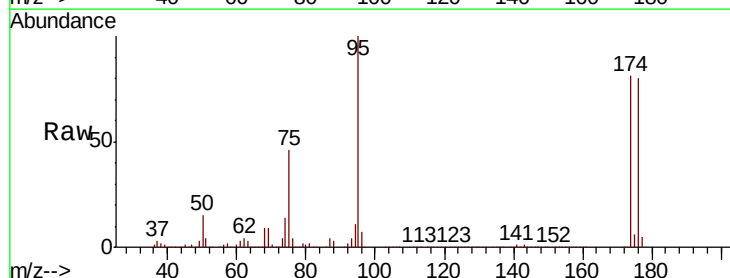
Tgt Ion: 95 Resp: 3537316

Ion Ratio Lower Upper

95 100

174 84.1 69.6 104.4

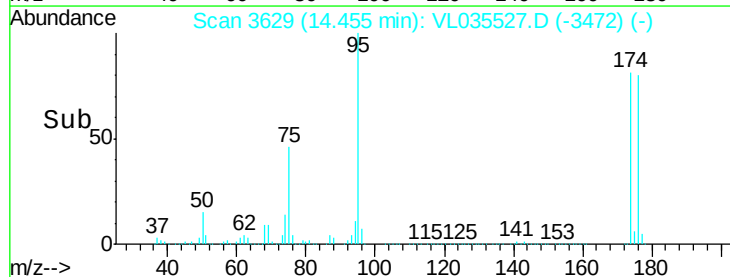
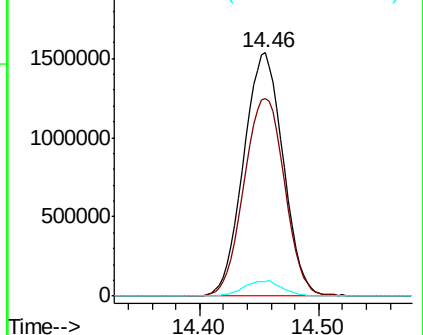
175 6.1 5.1 7.7

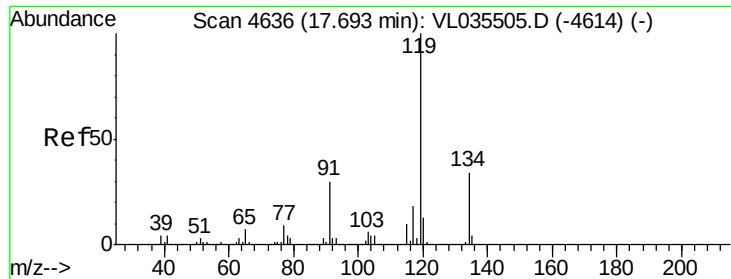


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

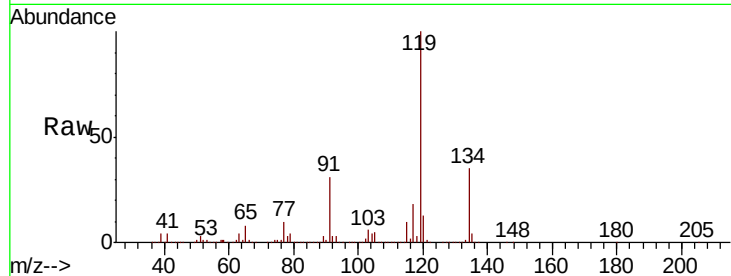




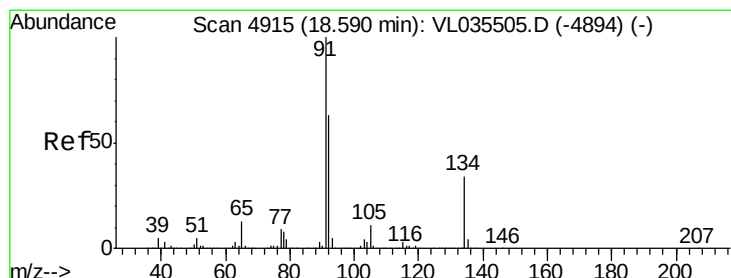
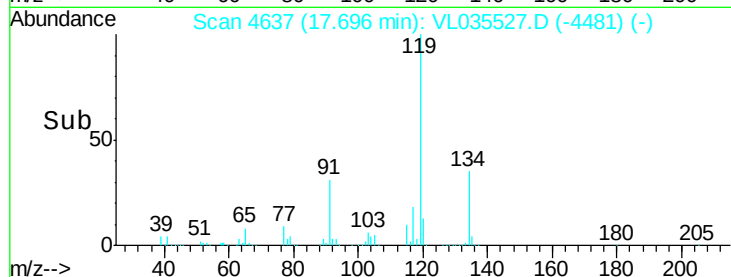
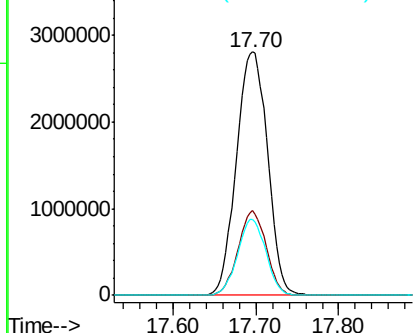
#69
 p-Isopropyltoluene
 Concen: 7.857 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. 0.00 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:119 Resp: 7329818
 Ion Ratio Lower Upper
 119 100
 134 31.4 25.0 37.4
 91 28.5 22.3 33.5

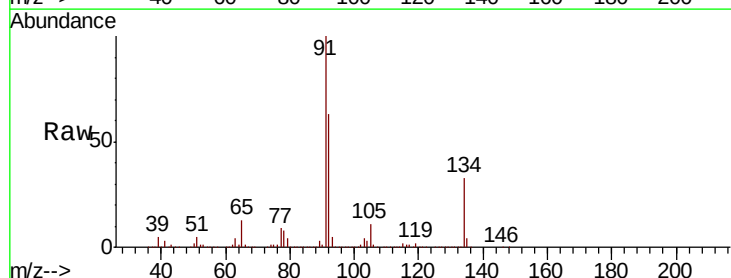


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

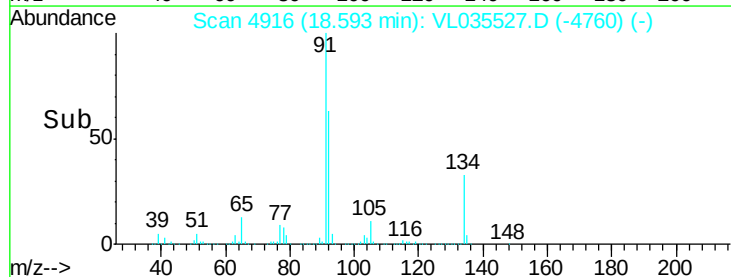
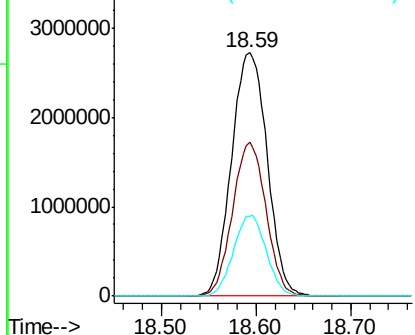


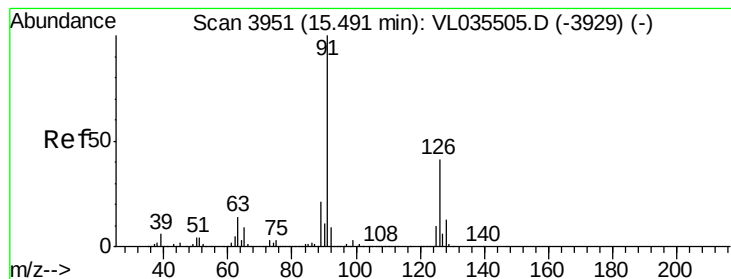
#70
 n-Butylbenzene
 Concen: 7.931 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. 0.00 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

Tgt Ion: 91 Resp: 7127086
 Ion Ratio Lower Upper
 91 100
 92 59.3 47.3 70.9
 134 30.7 24.6 37.0



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





#71

2-Chlorotoluene

Concen: 8.270 ppbv

RT: 15.49 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

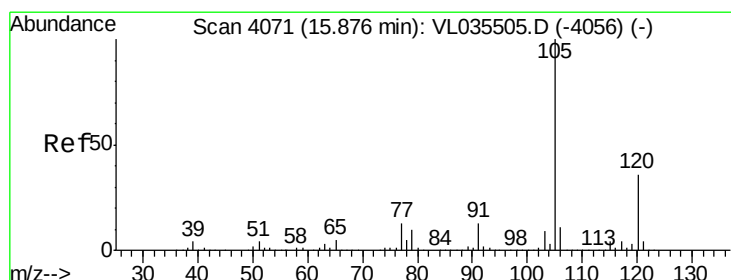
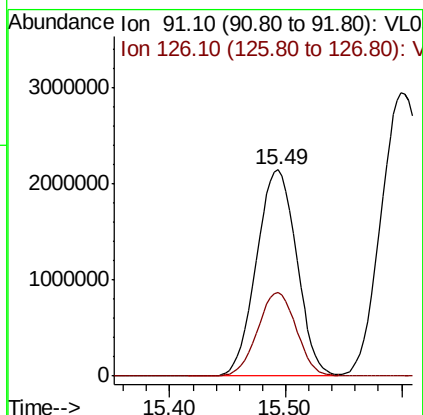
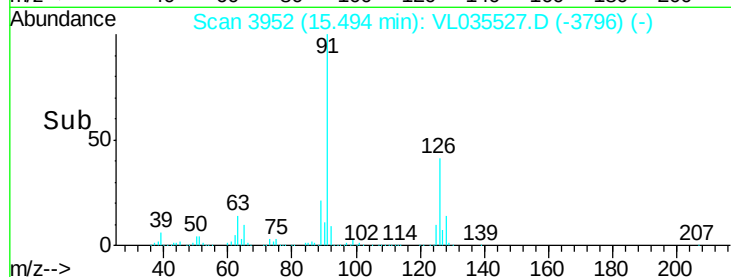
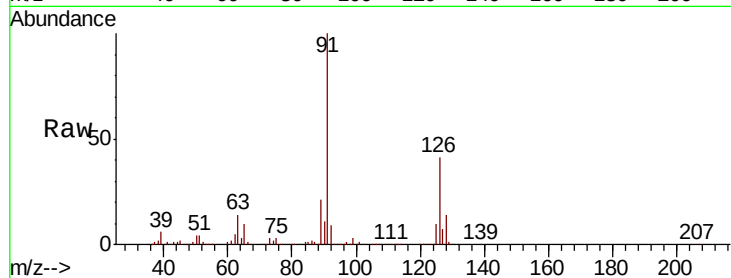
VSTDCCC010

Tot Ion: 91 Resp: 5171609

Ion Ratio Lower Upper

91 100

126 39.2 15.6 62.6



#72

4-Ethyltoluene

Concen: 8.250 ppbv

RT: 15.88 min Scan# 4072

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Tgt Ion:105 Resp: 5606729

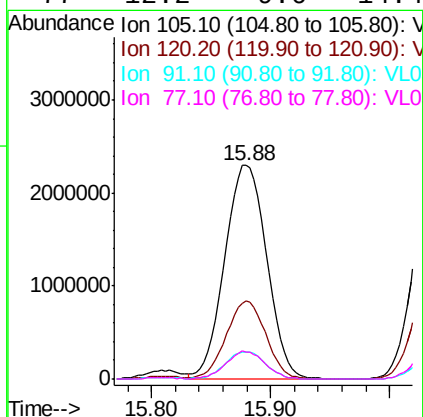
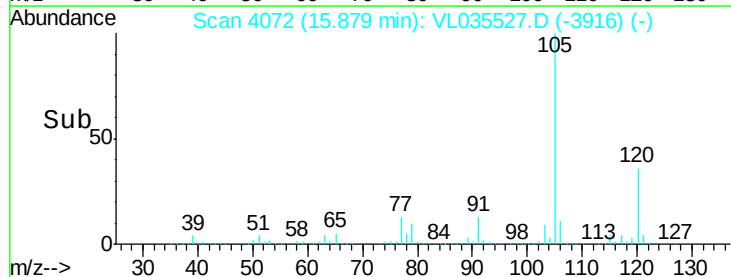
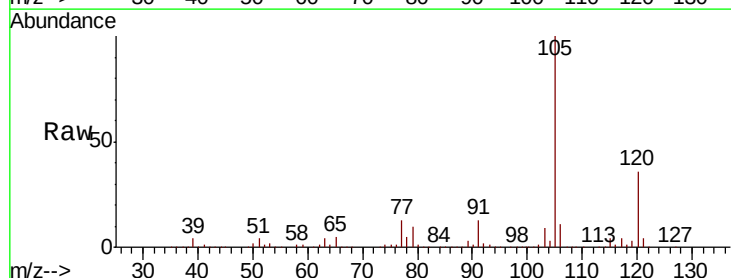
Ion Ratio Lower Upper

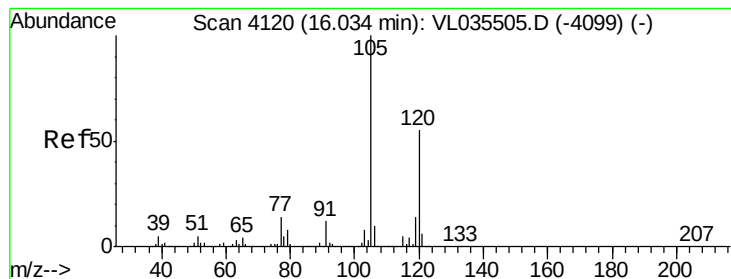
105 100

120 34.6 27.4 41.2

91 12.2 9.7 14.5

77 12.2 9.6 14.4





#73

1,3,5-Trimethylbenzene

Concen: 8.326 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

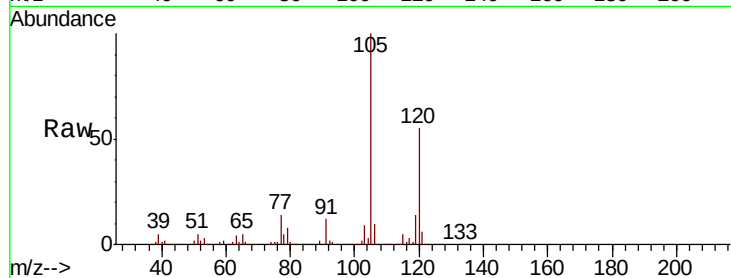
VSTDCCC010

Tot Ion:105 Resp: 5234041

Ion Ratio Lower Upper

105 100

120 54.8 44.2 66.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2500000

2000000

1500000

1000000

500000

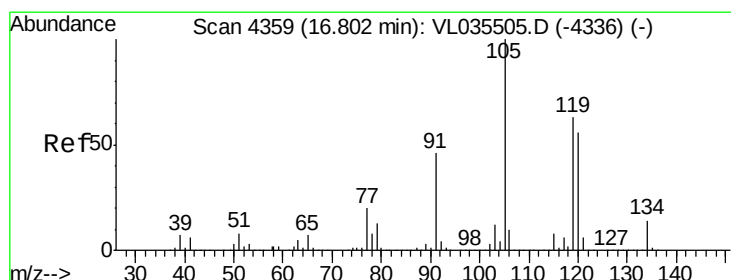
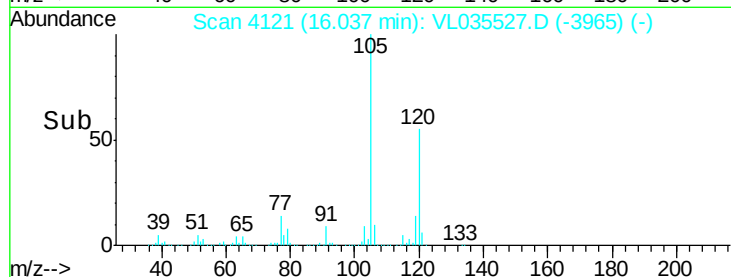
0

16.04

16.00

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.889 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Tgt Ion:105 Resp: 5445865

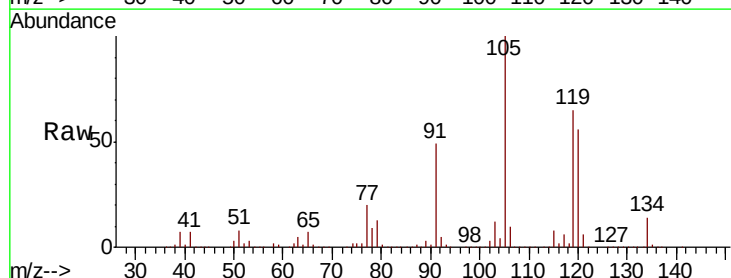
Ion Ratio Lower Upper

105 100

120 56.1 44.4 66.6

91 49.0 37.1 55.7

77 20.3 16.0 24.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

3000000

2000000

1000000

0

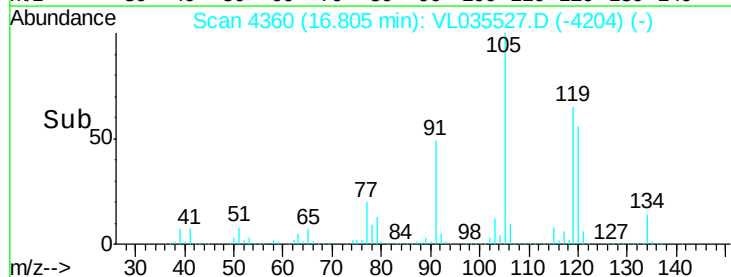
16.81

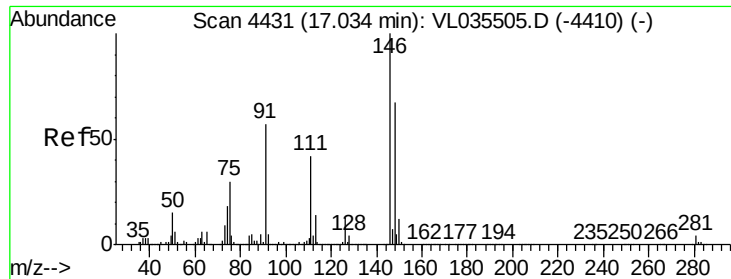
16.70

16.80

16.90

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.731 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

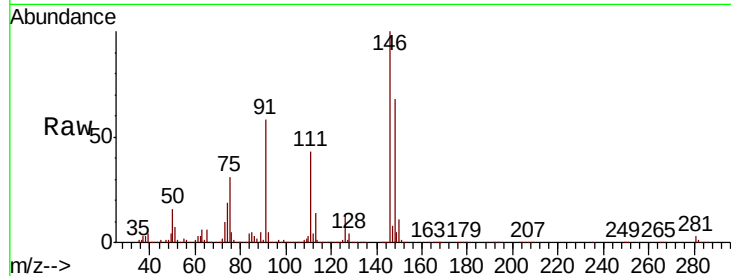
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 3953380

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.7	62.1
148	66.1	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

17.04

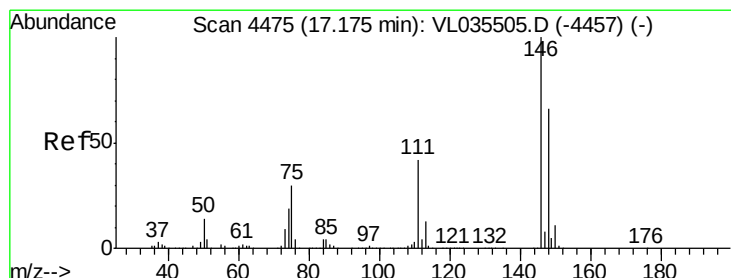
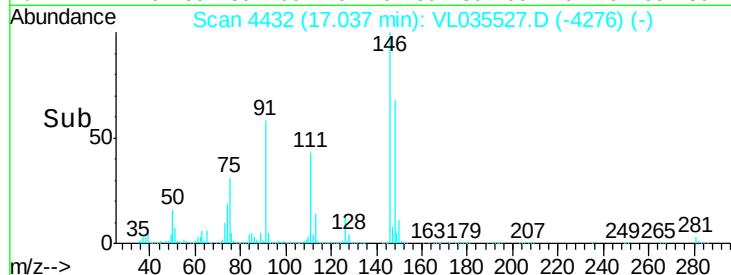
1500000

1000000

500000

0

Time--> 16.90 17.00 17.10



#76

1,4-Dichlorobenzene

Concen: 7.870 ppbv

RT: 17.18 min Scan# 4477

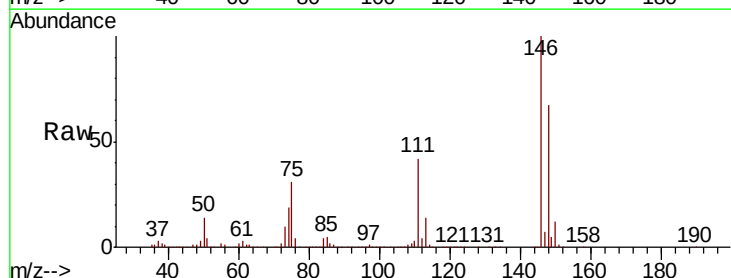
Delta R.T. 0.01 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Tgt Ion:146 Resp: 3968940

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	60.0
148	66.5	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

17.18

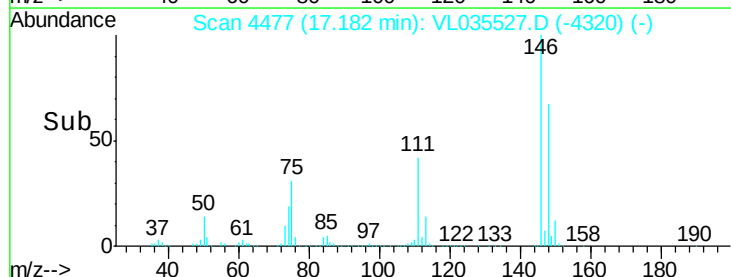
1500000

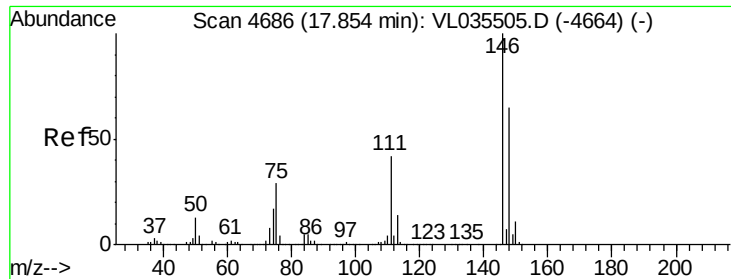
1000000

500000

0

Time--> 17.10 17.20 17.30





#77

1,2-Dichlorobenzene

Concen: 7.888 ppbv

RT: 17.86 min Scan# 4688

Delta R.T. 0.01 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

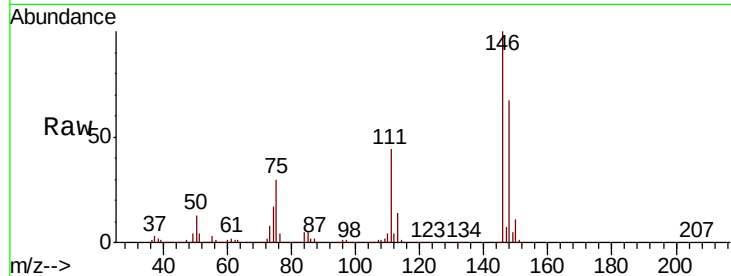
Tot Ion:146 Resp: 3907866

Ion Ratio Lower Upper

146 100

111 42.8 21.1 63.3

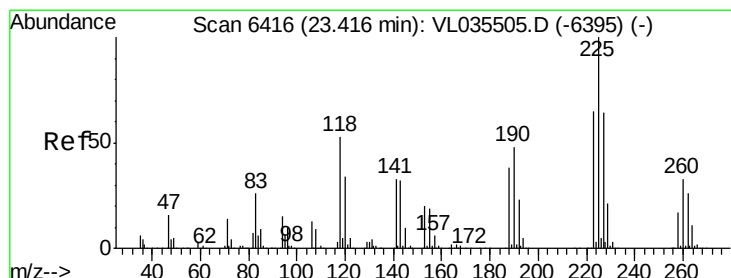
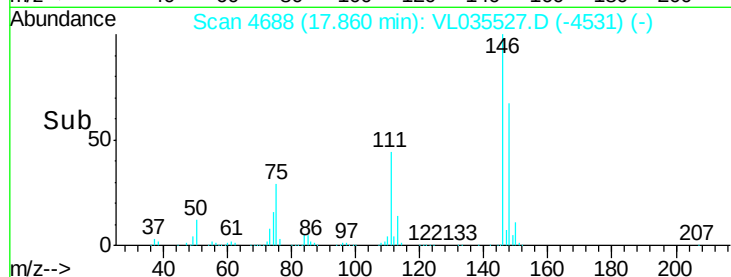
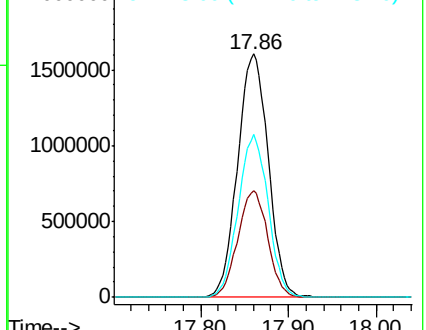
148 65.5 32.9 98.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.873 ppbv

RT: 23.42 min Scan# 6418

Delta R.T. 0.01 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

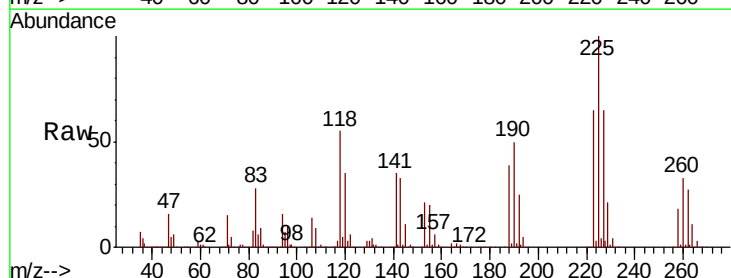
Tgt Ion:225 Resp: 2490092

Ion Ratio Lower Upper

225 100

223 64.9 51.7 77.5

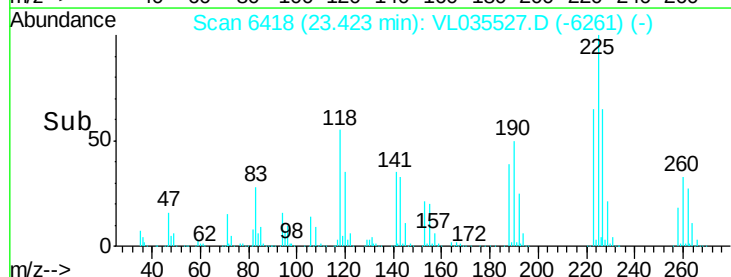
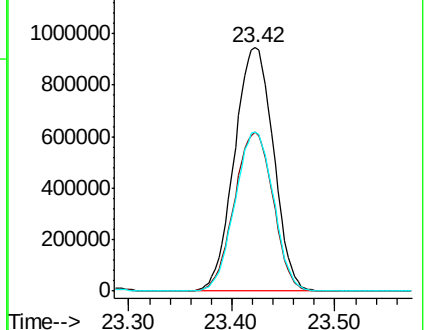
227 64.6 51.5 77.3

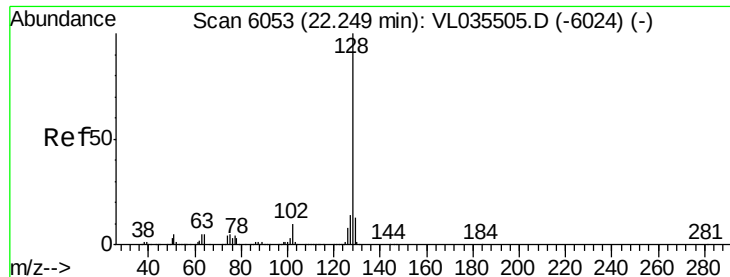


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.669 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

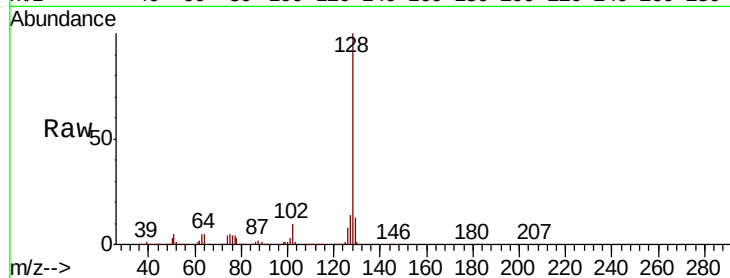
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 6640362

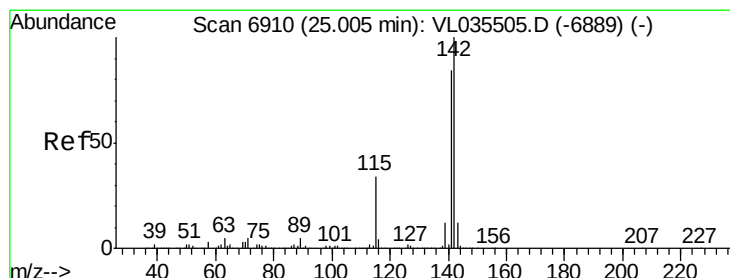
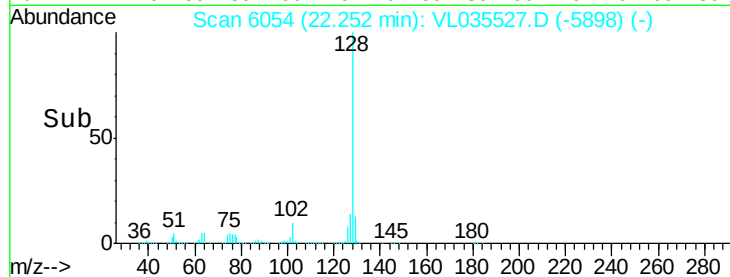
Ion	Ratio	Lower	Upper
128	100		
127	14.2	11.4	17.2
129	13.4	10.5	15.7



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: 10.042 ppbv

RT: 25.01 min Scan# 6912

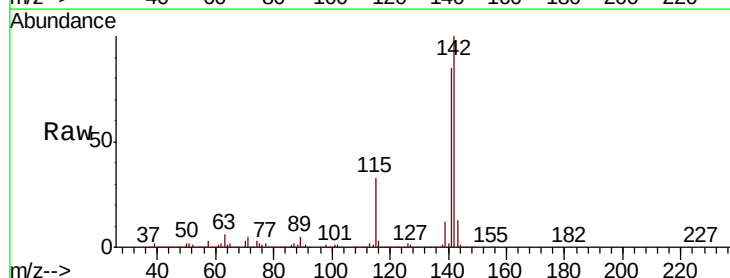
Delta R.T. 0.01 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Tgt Ion:142 Resp: 2625258

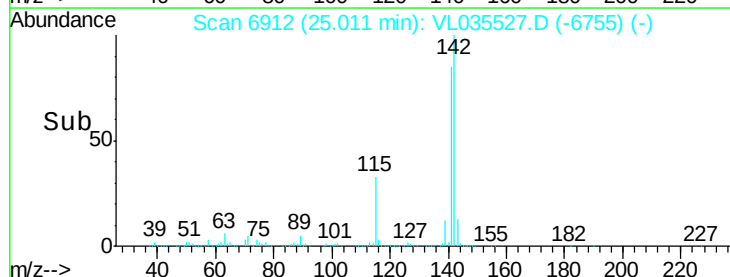
Ion	Ratio	Lower	Upper
142	100		
141	84.4	67.6	101.4
115	32.2	25.8	38.8

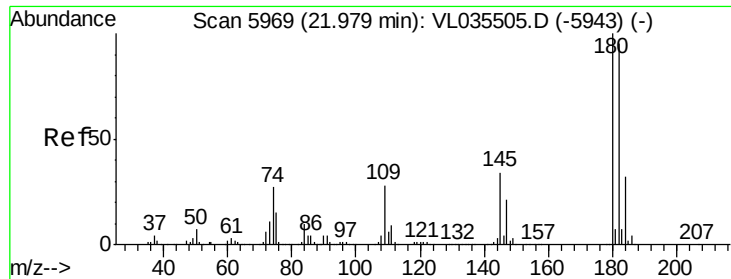


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.319 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.00 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:180 Resp: 3816174
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.3 114.5
 184 31.4 25.3 37.9

