

Data File : VL035380.D
Acq On : 12 Aug 2020 11:08
Operator : SY/AP
Sample : VSTDIC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Quant Time: Aug 12 15:22:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 15:19:58 2020
QLast Update : Wed Aug 12 15:19:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1330343	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3112236	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2998342	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2409070	9.63	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	107108	0.605	ppbv	95
3) Chlorodifluoromethane	2.98	51	88845	0.585	ppbv	99
4) Chloromethane	3.13	50	50618	0.589	ppbv	99
5) Vinyl Chloride	3.25	62	46598	0.527	ppbv	97
6) Bromomethane	3.47	94	25990	0.480	ppbv	95
7) Chloroethane	3.56	64	16626	0.506	ppbv	96
8) Dichlorotetrafluoroethane	3.18	85	109871	0.525	ppbv	96
9) Propene	3.01	41	49097	0.907	ppbv	96
10) Heptane	8.13	43	118750	0.859	ppbv	99
11) Trichlorofluoromethane	3.95	101	111115	0.485	ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.49	101	71894	0.439	ppbv	100
13) Ethanol	3.61	45	21530	1.154	ppbv	84
14) Bromoethene	3.74	108	33349	0.508	ppbv	94
15) Acetone	3.86	43	112856	0.597	ppbv	93
16) 1,3-Butadiene	3.32	39	32172	0.442	ppbv #	9
17) tert-Butyl alcohol	4.31	59	114859	0.662	ppbv	97
18) 1,1-Dichloroethene	4.29	96	34513	0.490	ppbv	88
19) Isopropyl Alcohol	3.98	45	79455	0.663	ppbv #	46
20) Methylene Chloride	4.34	84	41920	0.544	ppbv	96
21) Allyl Chloride	4.41	41	58040	0.536	ppbv	88
22) trans-1,2-Dichloroethene	4.89	96	33220	0.487	ppbv	89
23) Vinyl Acetate	5.08	43	185049	1.022	ppbv #	94
24) 1,1-Dichloroethane	5.02	63	97926	0.575	ppbv	98
25) Ethyl Acetate	5.68	43	199952	0.697	ppbv	97
26) Hexane	5.69	57	89094	0.716	ppbv	98
27) Carbon Disulfide	4.55	76	85442	0.491	ppbv #	61
28) Methyl tert-Butyl Ether	5.05	73	141203	0.780	ppbv	99
29) Chloroform	5.75	83	121164	0.564	ppbv	95
30) Cyclohexane	7.13	84	72105	0.764	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	81728	0.738	ppbv #	93
32) 1,1,1-Trichloroethane	6.52	97	120438	0.534	ppbv	98
34) 2-Butanone	5.26	43	128323	0.837	ppbv	98
35) Carbon Tetrachloride	7.02	117	115234	0.538	ppbv	94
36) Benzene	6.90	78	174442	0.830	ppbv	98
37) 1,2-Dichloroethane	6.31	62	93161	0.635	ppbv	98
38) Trichloroethene	7.84	130	58872	0.607	ppbv	96
39) 1,2-Dichloropropane	7.62	63	69017	0.811	ppbv	87
40) 1,4-Dioxane	7.87	88	14498	0.398	ppbv #	1
42) Bromodichloromethane	7.80	83	129440	0.657	ppbv	98
43) Methyl Methacrylate	8.03	69	76493	0.865	ppbv	97
44) 2,2,4-Trimethylpentane	7.88	57	311712	0.835	ppbv	98

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 15:19:58 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.29	75	85919	0.937	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	103390	0.933	ppbv	92
47) 1,1,2-Trichloroethane	9.48	97	66434	0.649	ppbv	97
48) Dibromochloromethane	10.31	129	70591	0.421	ppbv	57
49) Bromoform	13.06	173	82905	0.543	ppbv	96
50) 4-Methyl-2-Pentanone	8.77	43	204571	0.874	ppbv	99
51) 2-Hexanone	10.16	43	173532	0.946	ppbv #	100
52) Tetrachloroethene	11.24	164	57118	0.686	ppbv #	83
53) Toluene	9.82	91	210285	0.920	ppbv	97
54) 1,2-Dibromoethane	10.63	107	97629	0.665	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.14	131	57997	0.410	ppbv #	1
57) Chlorobenzene	12.16	112	159028	0.704	ppbv	91
58) Ethyl Benzene	12.73	91	285438	0.915	ppbv	98
59) m/p-Xylene	13.01	91	251114	0.864	ppbv #	30
60) o-Xylene	13.71	91	227682	0.790	ppbv	97
61) Styrene	13.55	104	167191	0.950	ppbv	99
62) Isopropylbenzene	14.68	105	356849	0.822	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.70	83	161584	0.657	ppbv	99
64) n-propylbenzene	15.58	120	85521	0.733	ppbv	70
65) tert-Butylbenzene	16.77	119	322480	0.811	ppbv	96
66) Benzyl Chloride	17.01	91	126546	0.804	ppbv	96
67) sec-Butylbenzene	17.31	105	456488	0.812	ppbv	96
69) p-Isopropyltoluene	17.67	119	379292	0.827	ppbv	98
70) n-Butylbenzene	18.57	91	417990	0.853	ppbv	97
71) 2-Chlorotoluene	15.47	91	282849	0.890	ppbv	97
72) 4-Ethyltoluene	15.87	105	277537	0.844	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	272548	0.864	ppbv	92
74) 1,2,4-Trimethylbenzene	16.78	105	285026	0.791	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	155770	0.661	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	75868	0.347	ppbv #	22
77) 1,2-Dichlorobenzene	17.84	146	154695	0.711	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	121403	0.656	ppbv	98
79) Naphthalene	22.23	128	390090	1.407	ppbv	98
80) Naphthalene,2-methyl-	24.99	142	213703	3.388	ppbv	97
81) 1,2,4-Trichlorobenzene	21.96	180	112751	0.645	ppbv #	49

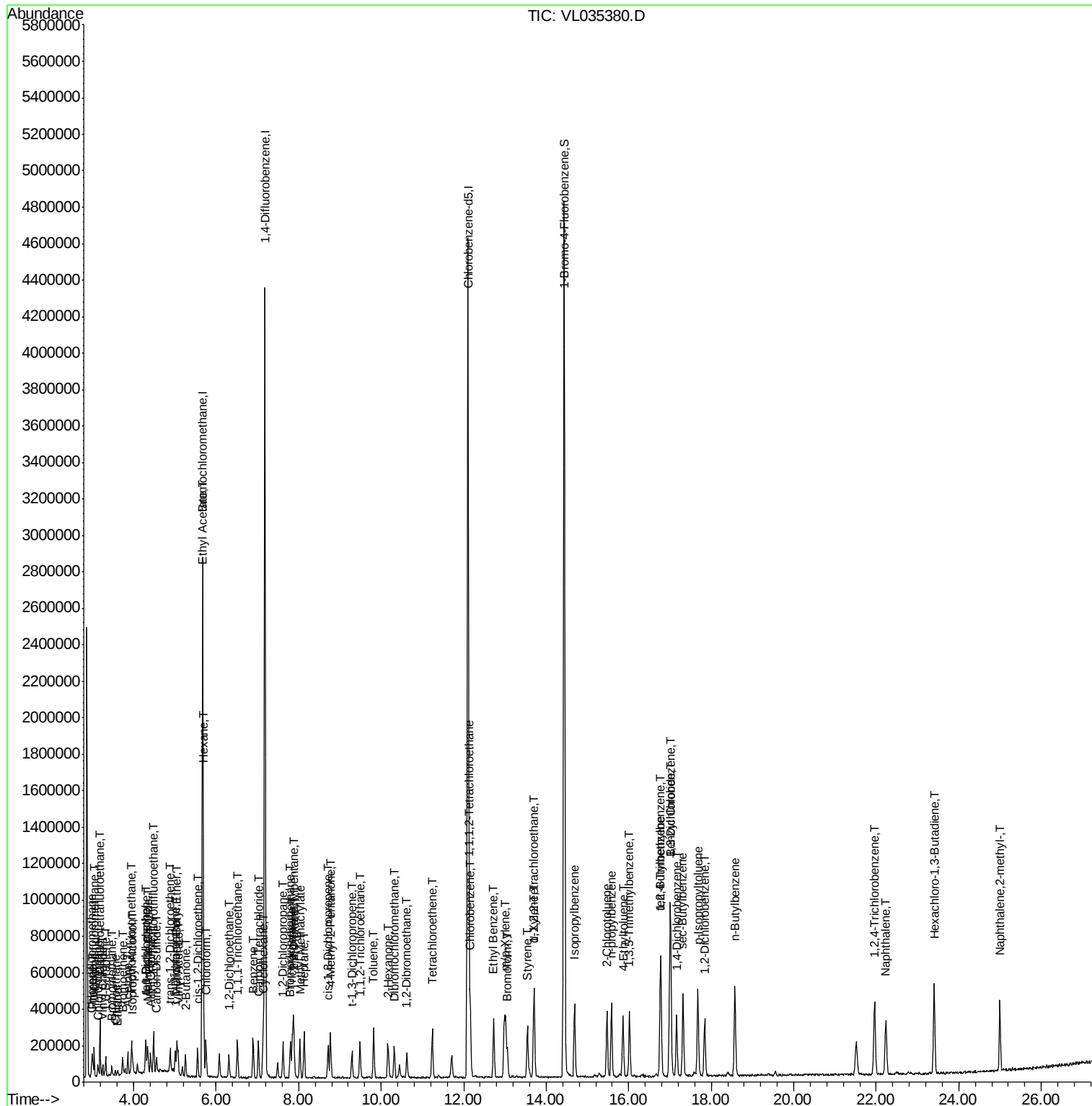
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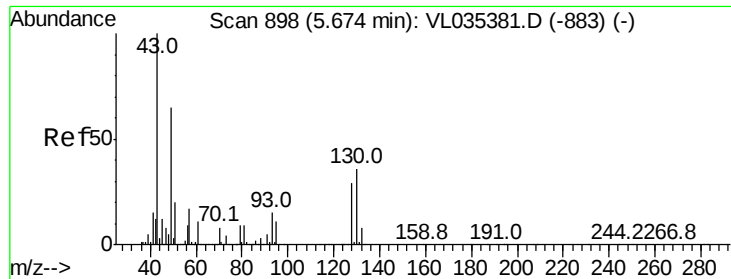
Data File : VL035380.D

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Acq On       : 12 Aug 2020  11:08
Operator     : SY/AP
Sample       : VSTDICC0.5
Misc         : 400ml/MSV0A_L
ALS Vial     : 1      Sample Multipl
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Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Aug 12 15:22:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081220AIR.M
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

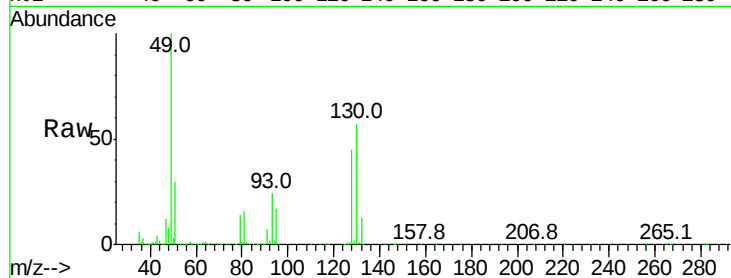
Tgt Ion: 49 Resp: 1330343

Ion Ratio Lower Upper

49 100

128 44.5 21.8 65.3

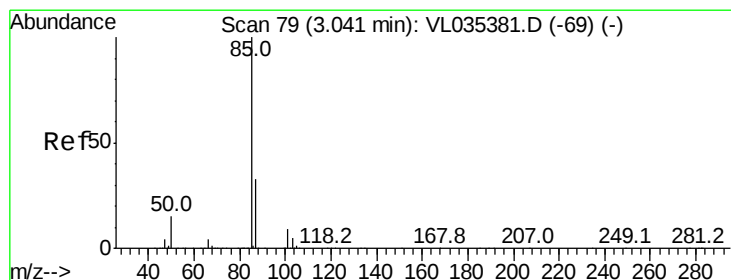
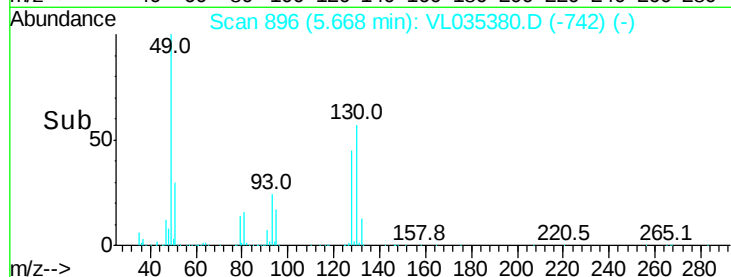
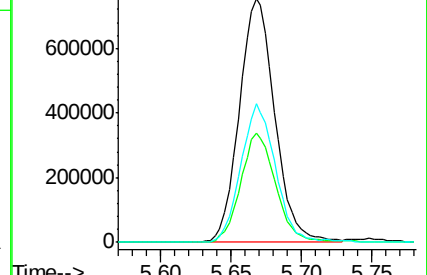
130 55.7 27.9 83.6



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: 0.605 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL035380.D

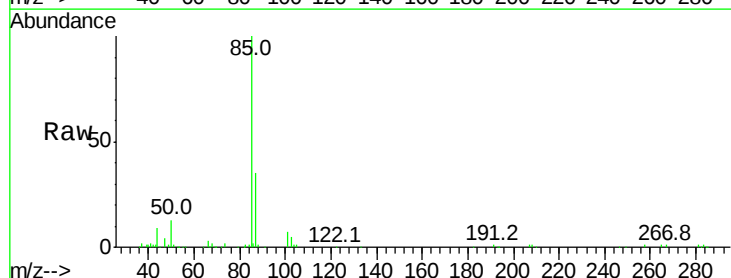
Acq: 12 Aug 2020 11:08

Tgt Ion: 85 Resp: 107108

Ion Ratio Lower Upper

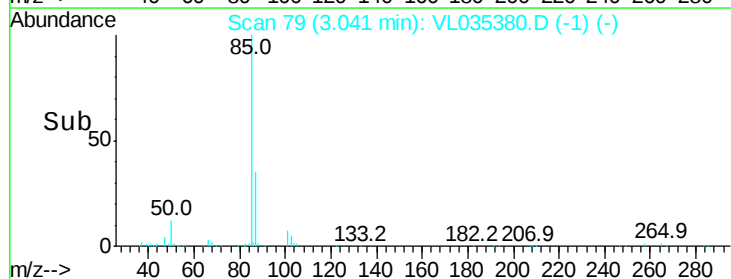
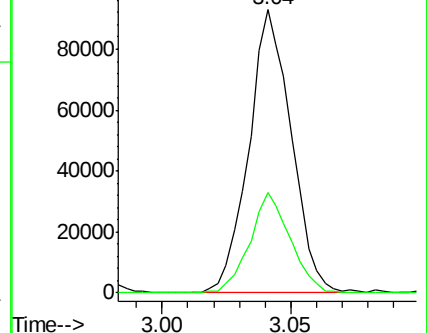
85 100

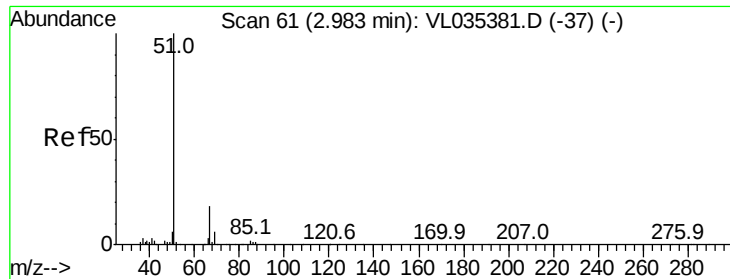
87 35.3 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

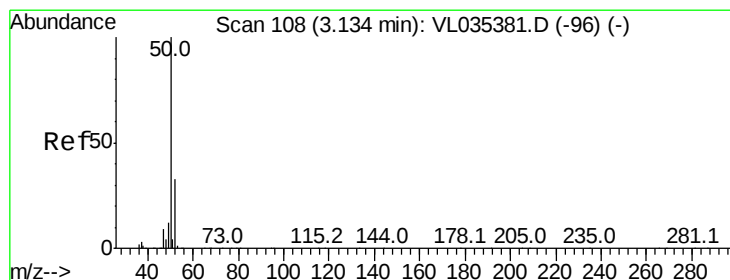
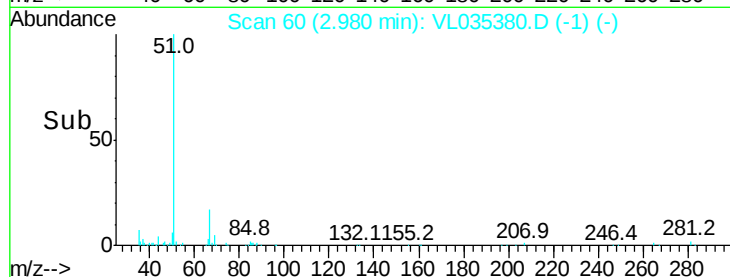
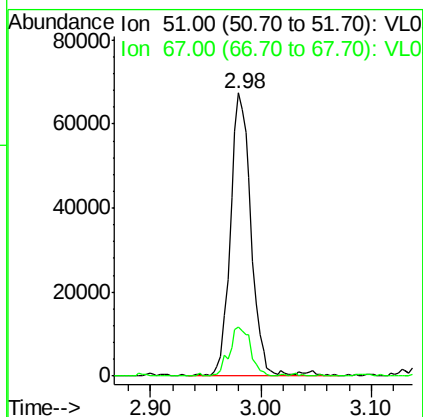
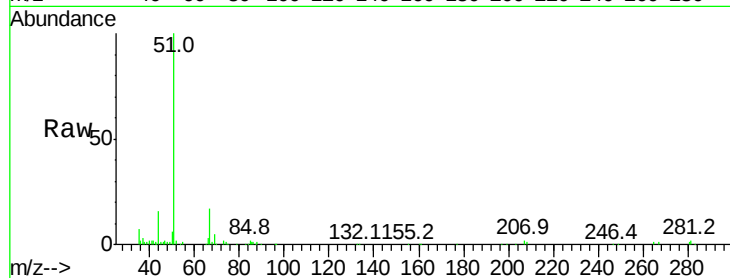




#3
Chlorodifluoromethane
Concen: 0.585 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.00 min
Lab File: VL035380.D
Acq: 12 Aug 2020 11:08

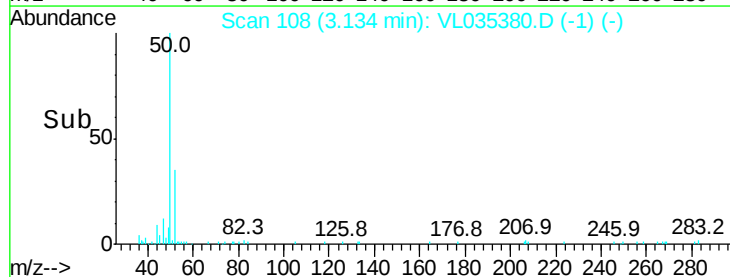
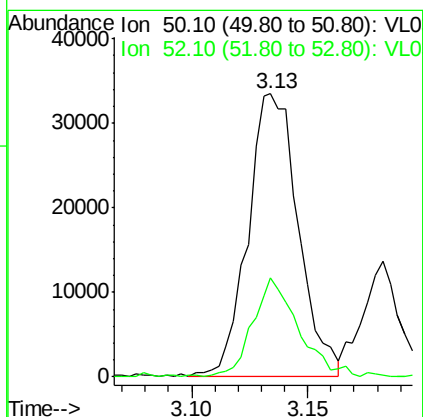
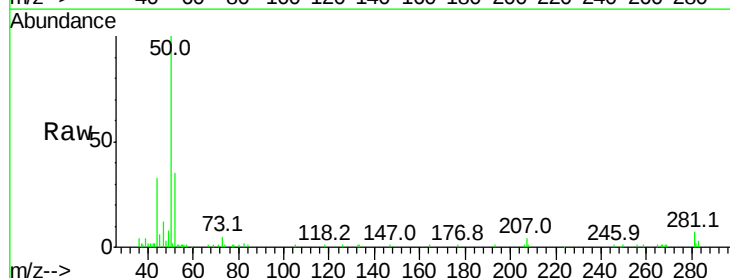
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

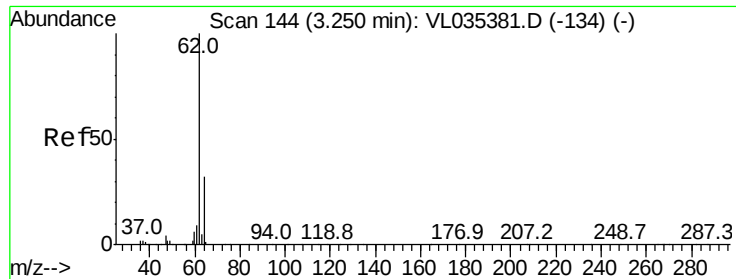
Tgt Ion: 51 Resp: 88845
Ion Ratio Lower Upper
51 100
67 18.2 14.1 21.1



#4
Chloromethane
Concen: 0.589 ppbv
RT: 3.13 min Scan# 108
Delta R.T. 0.00 min
Lab File: VL035380.D
Acq: 12 Aug 2020 11:08

Tgt Ion: 50 Resp: 50618
Ion Ratio Lower Upper
50 100
52 32.8 26.6 39.8





#5

Vinyl Chloride

Concen: 0.527 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

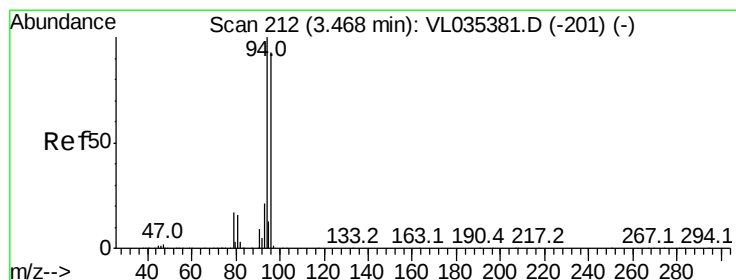
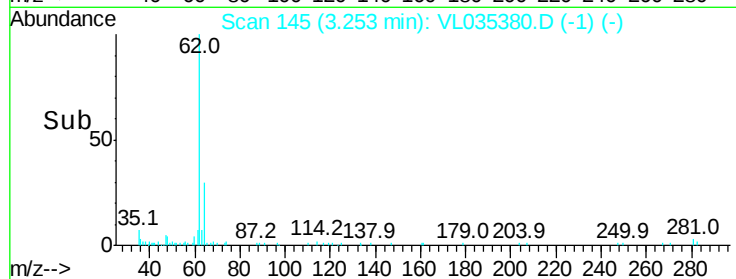
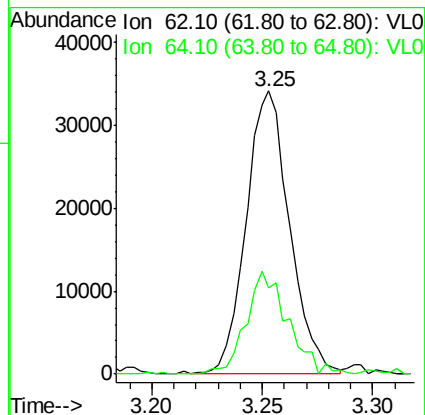
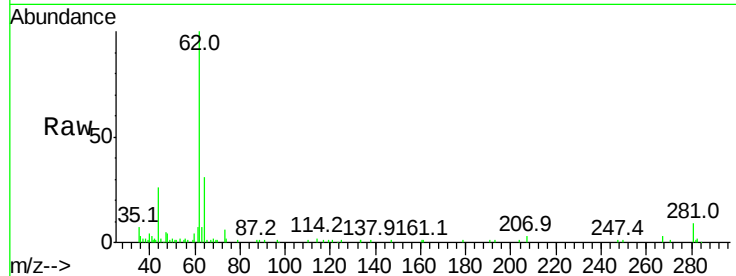
VSTDIC0.5

Tgt Ion: 62 Resp: 46598

Ion Ratio Lower Upper

62 100

64 30.7 25.7 38.5



#6

Bromomethane

Concen: 0.480 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL035380.D

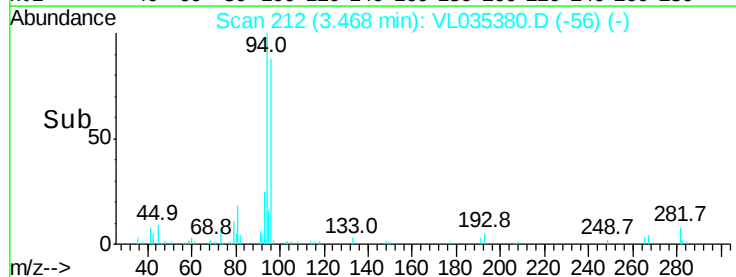
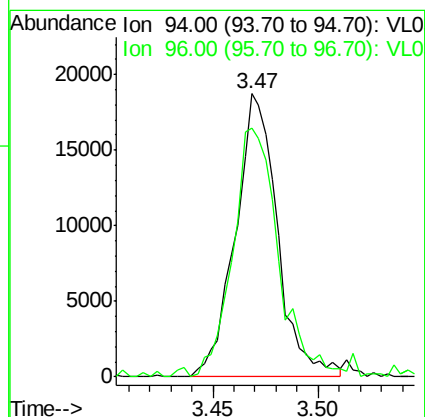
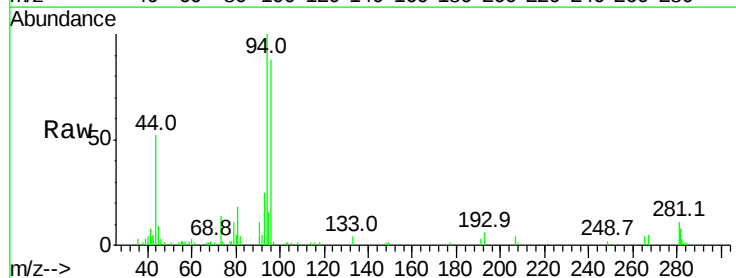
Acq: 12 Aug 2020 11:08

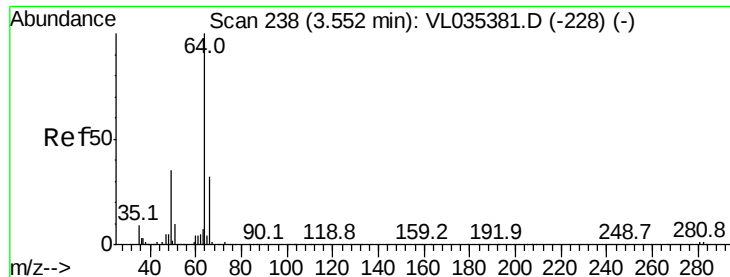
Tgt Ion: 94 Resp: 25990

Ion Ratio Lower Upper

94 100

96 88.1 74.4 111.6





#7

Chloroethane

Concen: 0.506 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.01 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

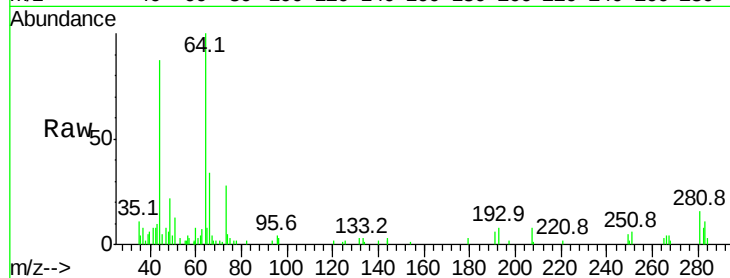
VSTDIC0.5

Tgt Ion: 64 Resp: 16626

Ion Ratio Lower Upper

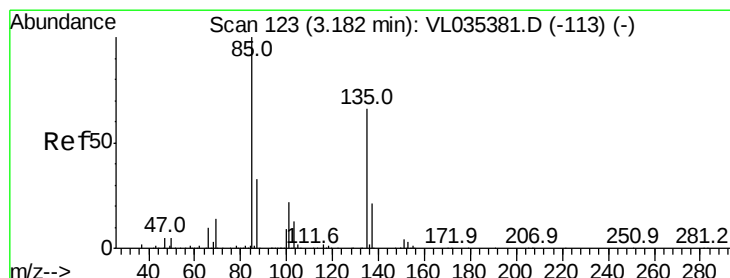
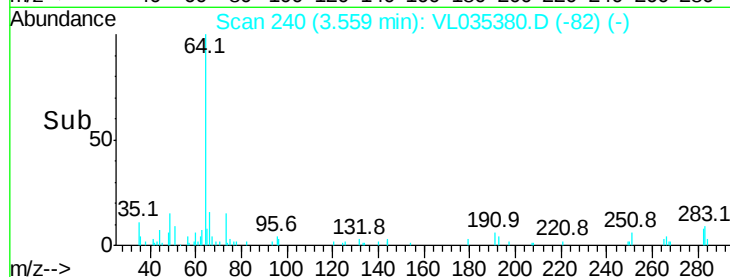
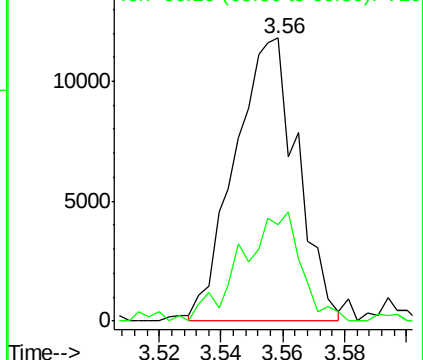
64 100

66 34.3 25.7 38.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.525 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL035380.D

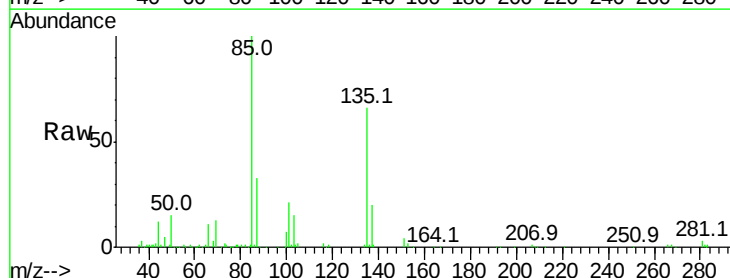
Acq: 12 Aug 2020 11:08

Tgt Ion: 85 Resp: 109871

Ion Ratio Lower Upper

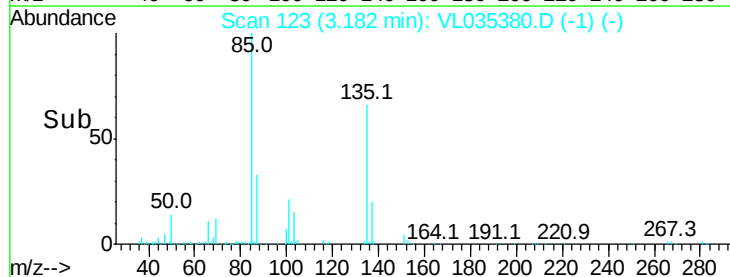
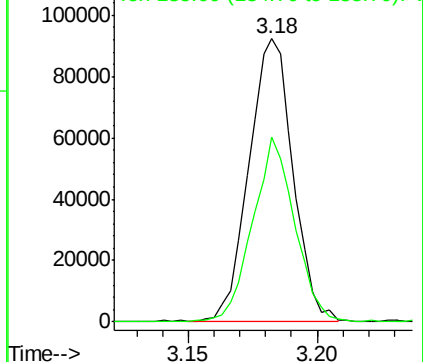
85 100

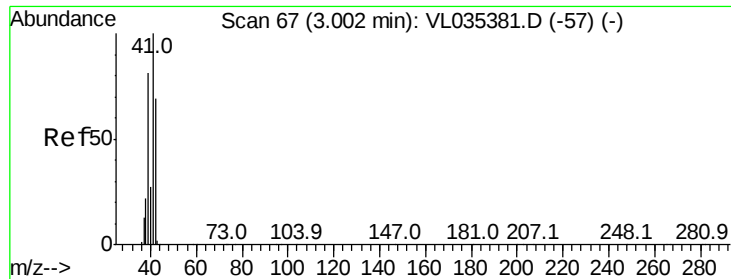
135 62.5 52.5 78.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.907 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

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ClientSampleId :

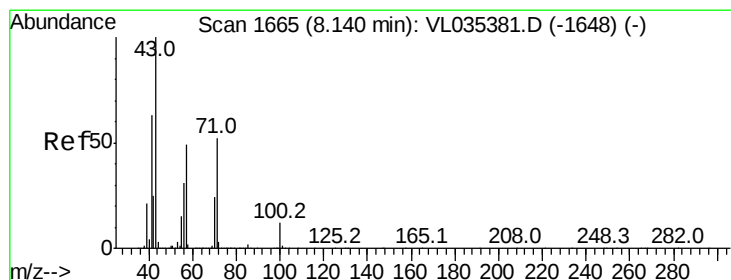
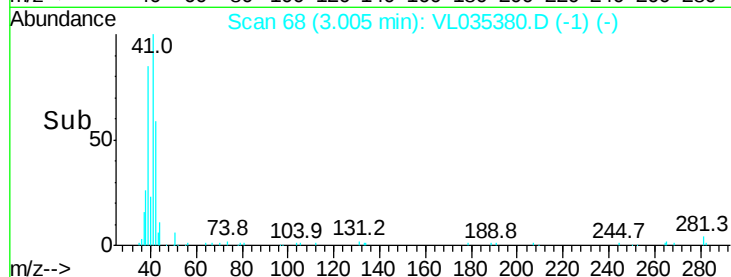
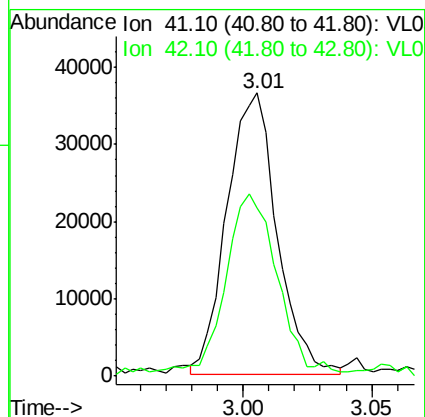
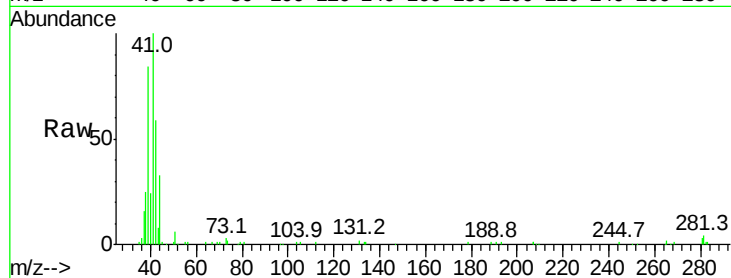
VSTDIC0.5

Tgt Ion: 41 Resp: 49097

Ion Ratio Lower Upper

41 100

42 72.9 55.4 83.2



#10

Heptane

Concen: 0.859 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.01 min

Lab File: VL035380.D

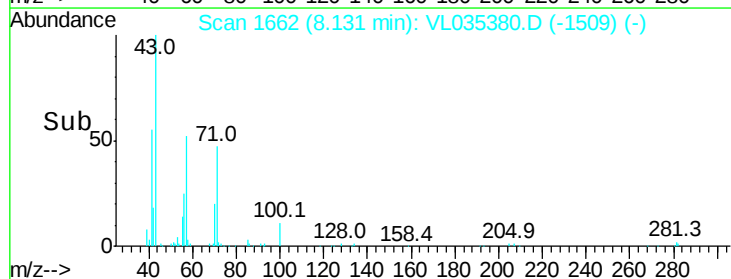
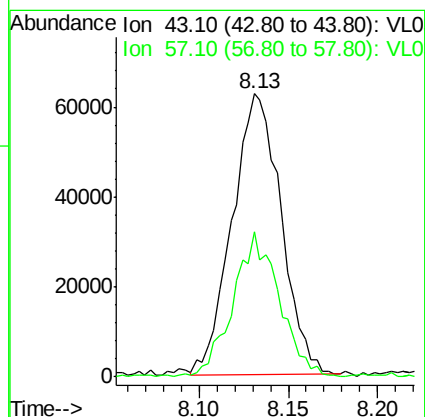
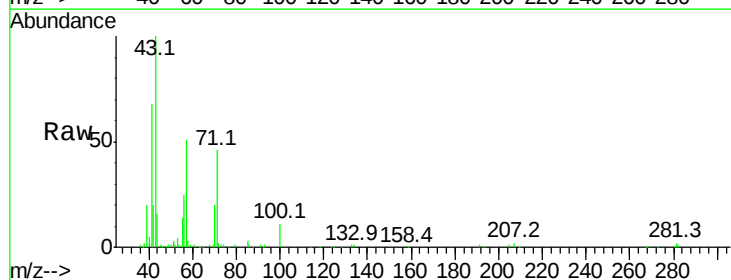
Acq: 12 Aug 2020 11:08

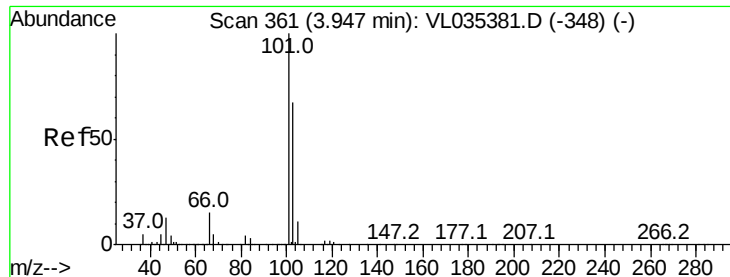
Tgt Ion: 43 Resp: 118750

Ion Ratio Lower Upper

43 100

57 48.6 39.4 59.2





#11

Trichlorofluoromethane

Concen: 0.485 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

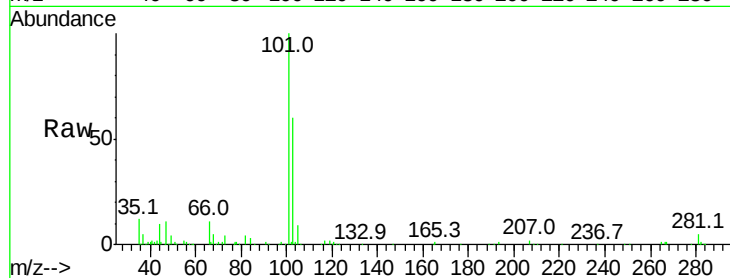
VSTDIC0.5

Tgt Ion:101 Resp: 111115

Ion Ratio Lower Upper

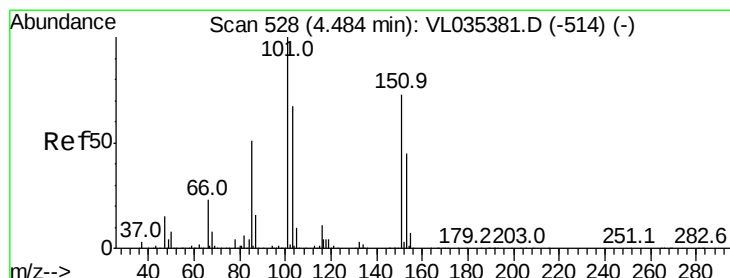
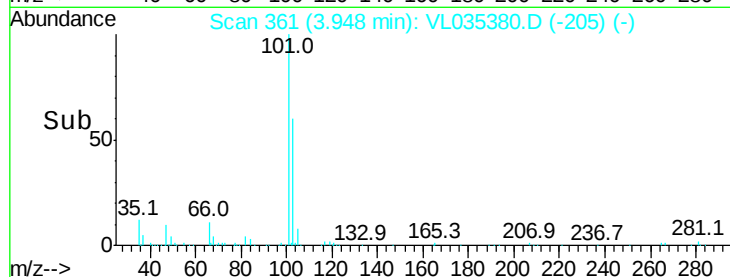
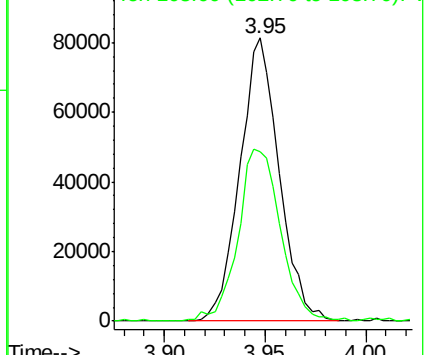
101 100

103 59.6 53.3 79.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.439 ppbv

RT: 4.49 min Scan# 529

Delta R.T. 0.00 min

Lab File: VL035380.D

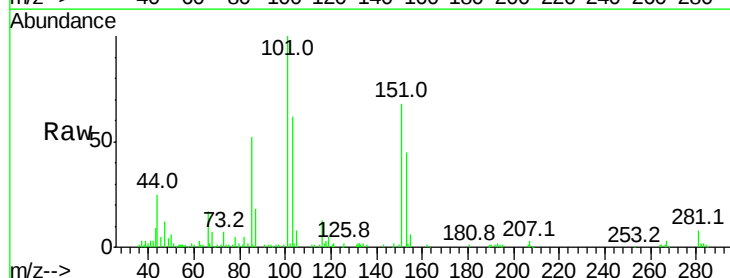
Acq: 12 Aug 2020 11:08

Tgt Ion:101 Resp: 71894

Ion Ratio Lower Upper

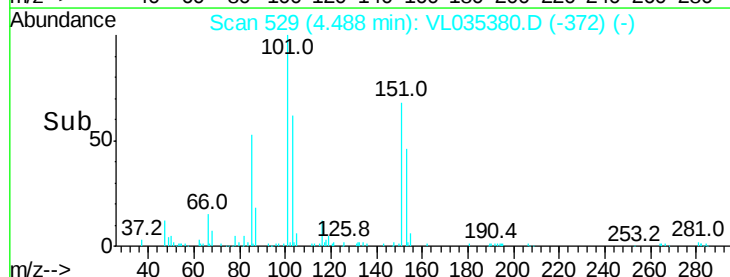
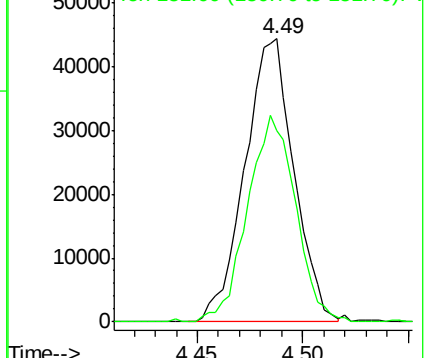
101 100

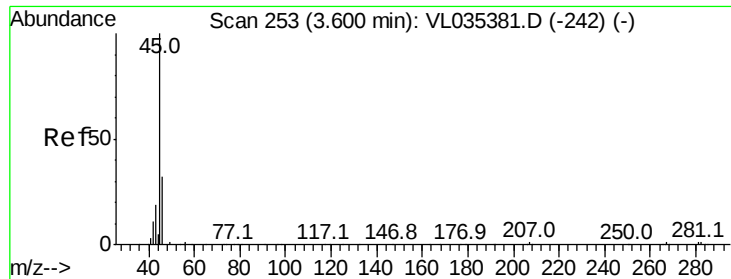
151 71.4 57.0 85.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 1.154 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

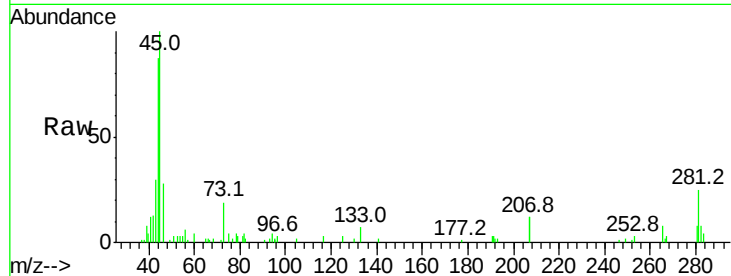
VSTDIC0.5

Tgt Ion: 45 Resp: 21530

Ion Ratio Lower Upper

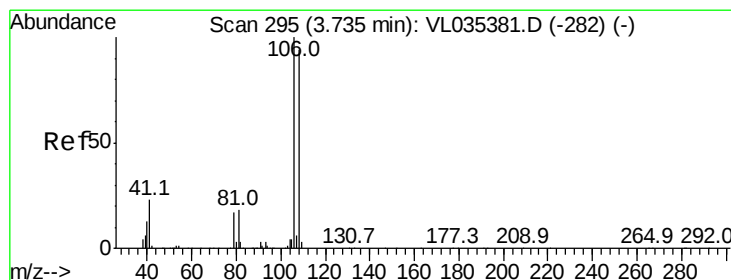
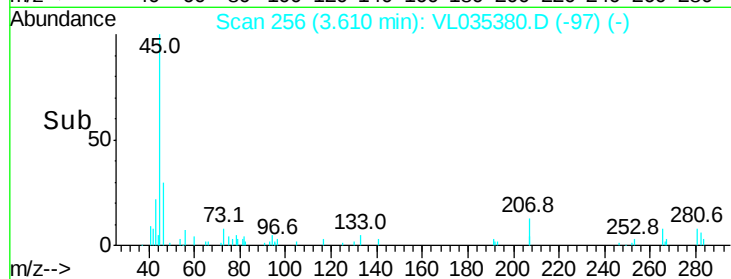
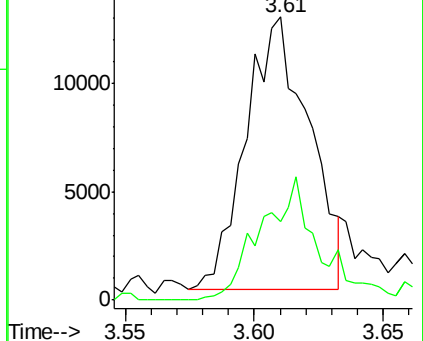
45 100

46 44.7 14.1 56.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 0.508 ppbv

RT: 3.74 min Scan# 296

Delta R.T. 0.00 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

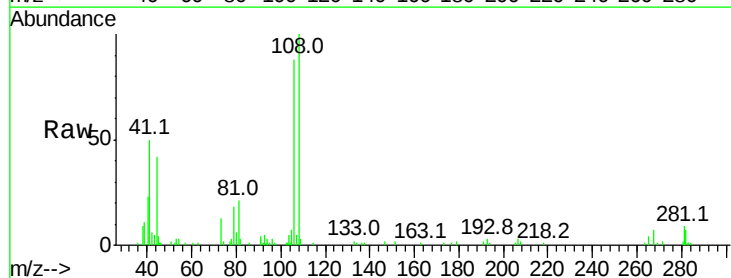
Tgt Ion: 108 Resp: 33349

Ion Ratio Lower Upper

108 100

106 99.7 84.9 127.3

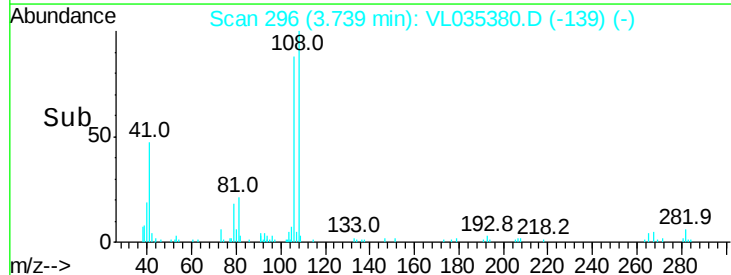
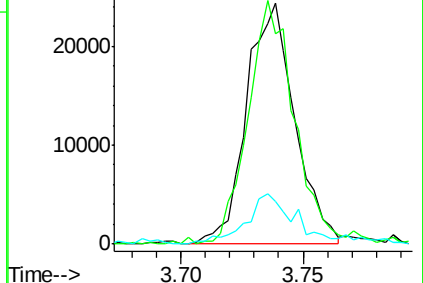
79 23.1 15.8 23.8

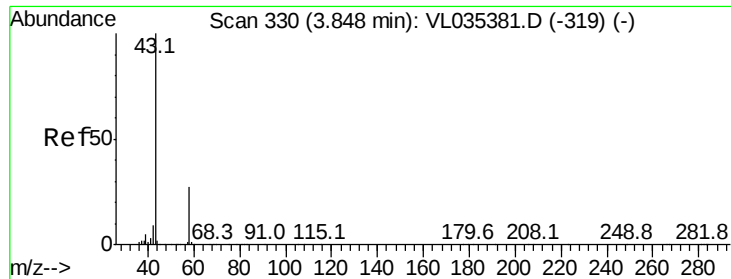


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 0.597 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

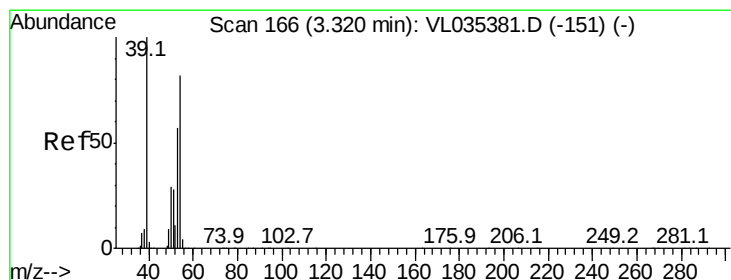
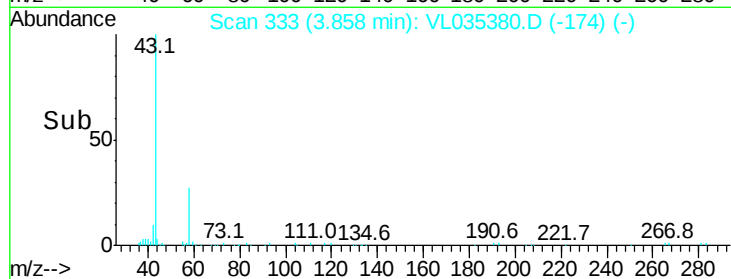
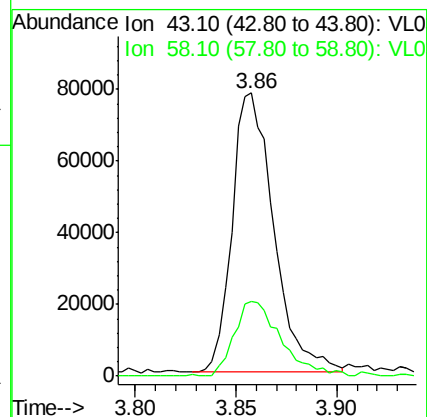
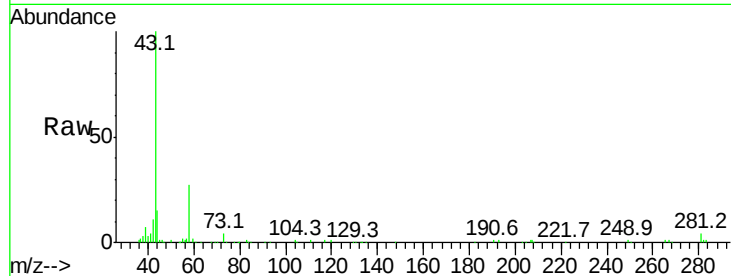
VSTDIC0.5

Tgt Ion: 43 Resp: 112856

Ion Ratio Lower Upper

43 100

58 30.5 21.7 32.5



#16

1,3-Butadiene

Concen: 0.442 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL035380.D

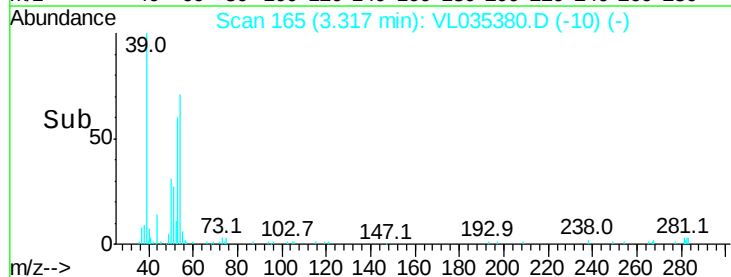
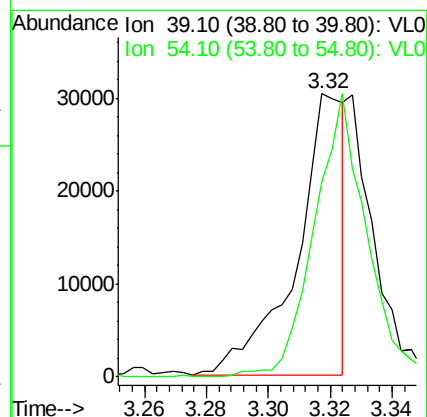
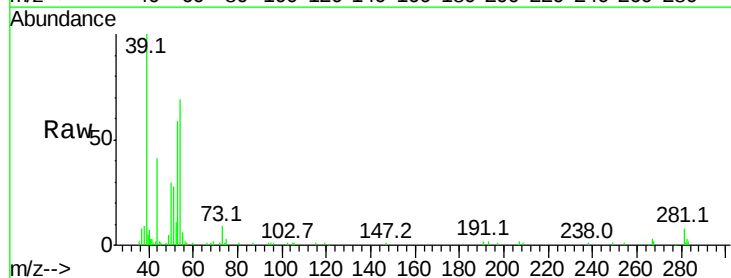
Acq: 12 Aug 2020 11:08

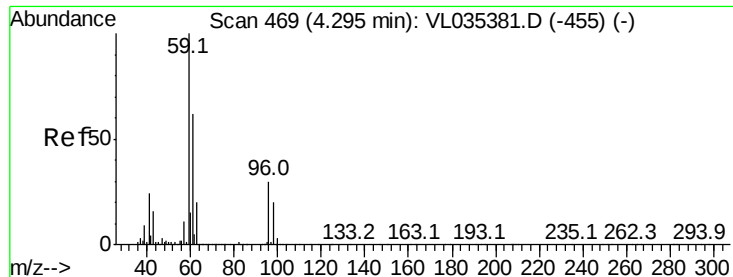
Tgt Ion: 39 Resp: 32172

Ion Ratio Lower Upper

39 100

54 0.0 64.9 97.3#





#17

tert-Butyl alcohol

Concen: 0.662 ppbv

RT: 4.31 min Scan# 473

Delta R.T. 0.01 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

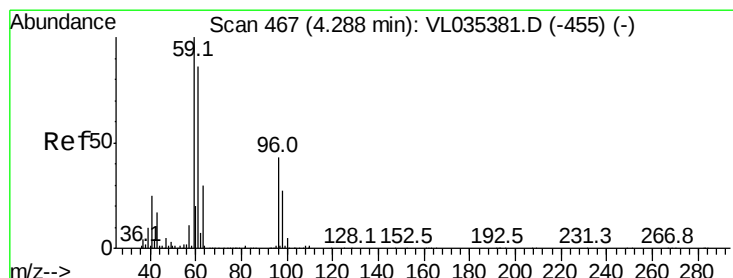
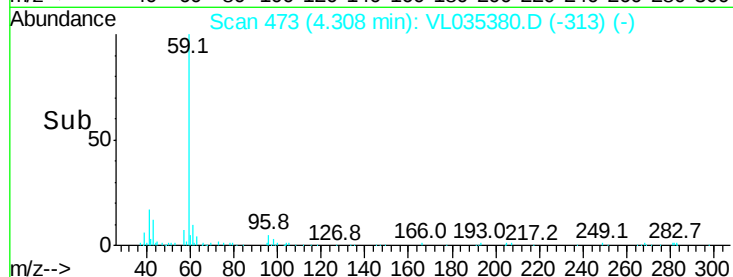
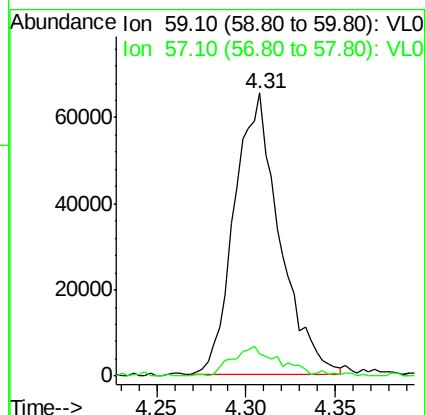
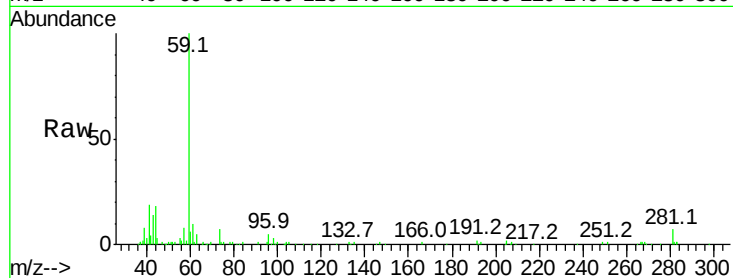
VSTDIC0.5

Tgt Ion: 59 Resp: 114859

Ion Ratio Lower Upper

59 100

57 11.9 8.6 13.0



#18

1,1-Dichloroethene

Concen: 0.490 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.00 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

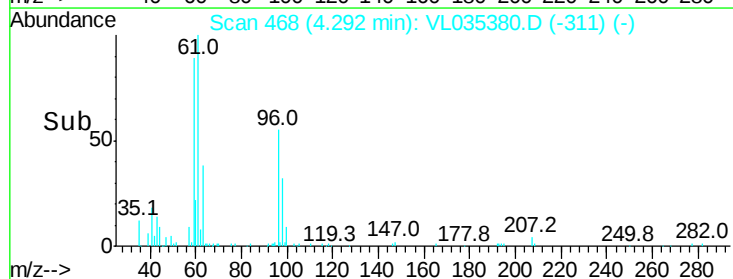
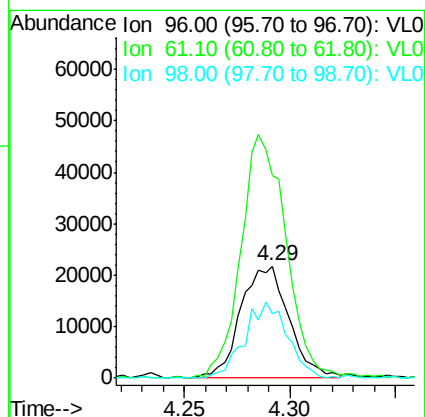
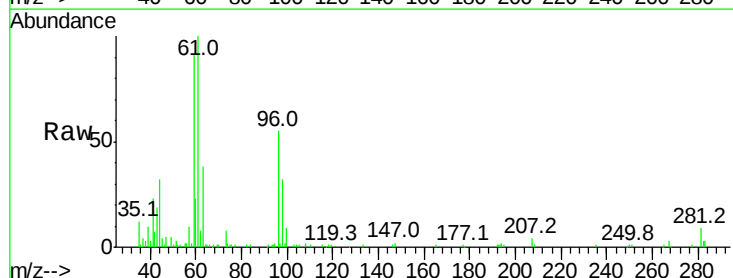
Tgt Ion: 96 Resp: 34513

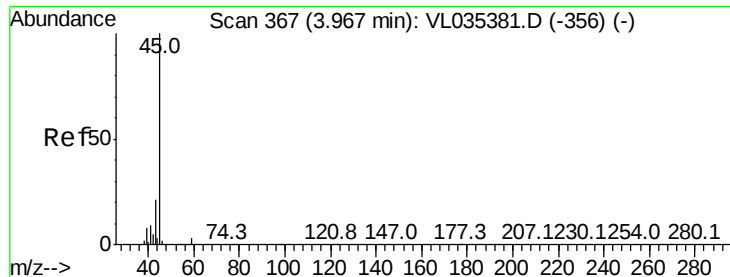
Ion Ratio Lower Upper

96 100

61 179.4 159.0 238.4

98 57.0 50.3 75.5





#19

Isopropyl Alcohol

Concen: 0.663 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

Instrument :

MSVOA_L

ClientSampled :

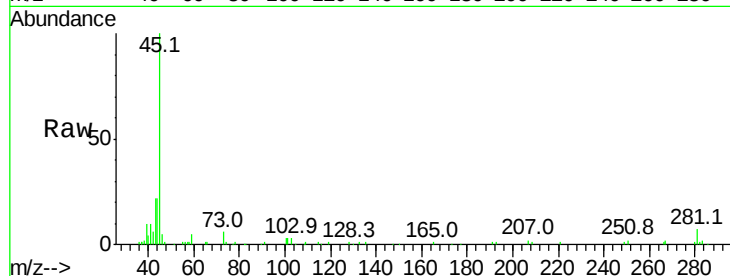
VSTDIC0.5

Tgt Ion: 45 Resp: 79455

Ion Ratio Lower Upper

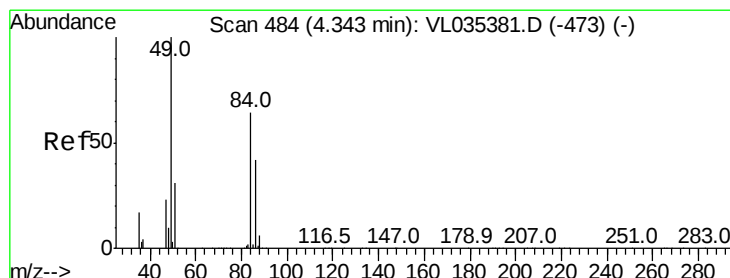
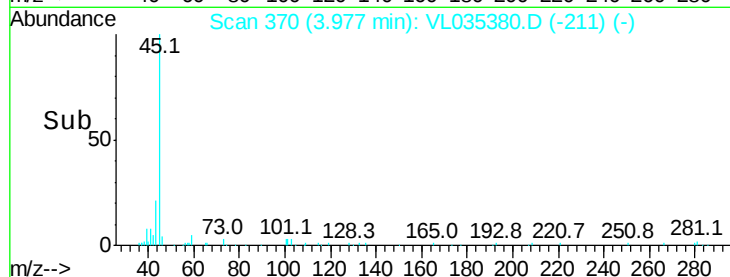
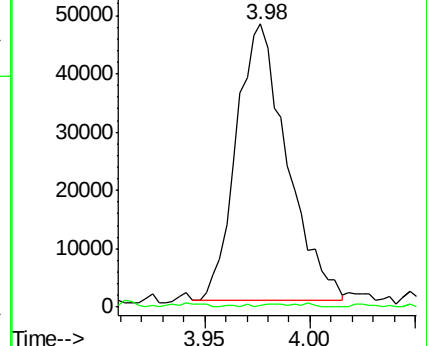
45 100

58 1.6 24.9 37.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.544 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

Tgt Ion: 84 Resp: 41920

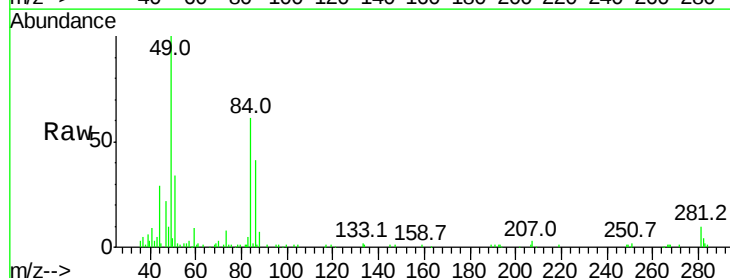
Ion Ratio Lower Upper

84 100

49 162.6 125.7 188.5

51 53.6 38.5 57.7

86 66.2 52.4 78.6

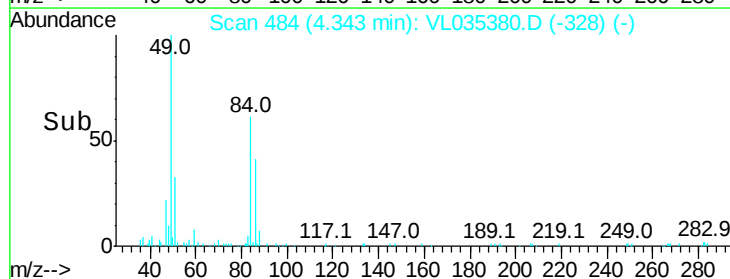
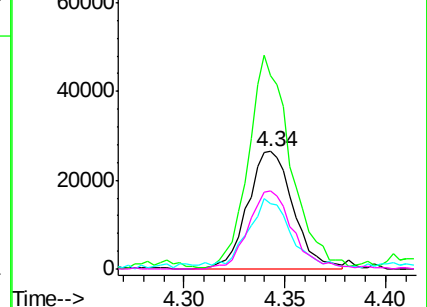


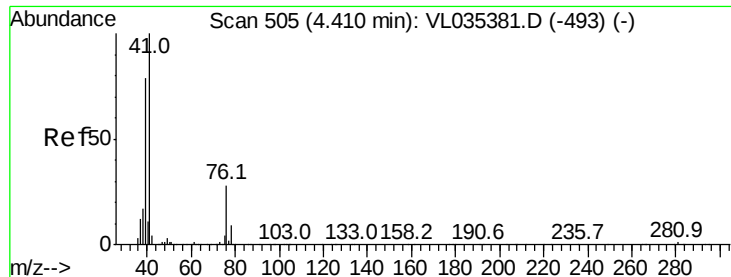
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allyl Chloride

Concen: 0.536 ppbv

RT: 4.41 min Scan# 505

Delta R.T. 0.00 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

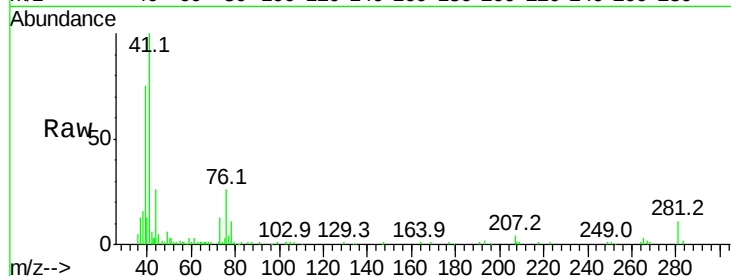
Tgt Ion: 41 Resp: 58040

Ion Ratio Lower Upper

41 100

76 32.3 22.4 33.6

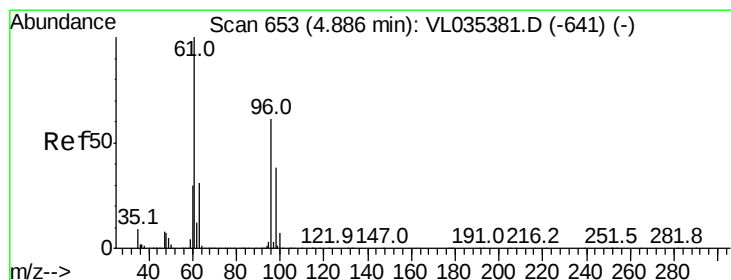
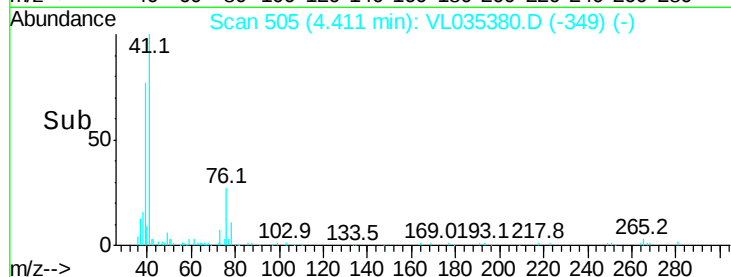
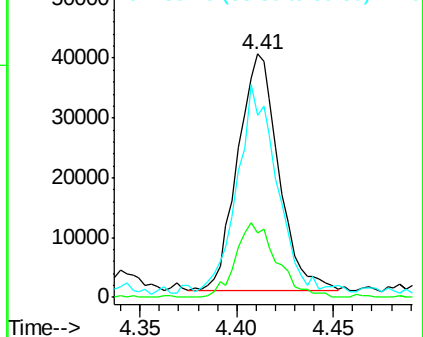
39 90.1 63.0 94.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 0.487 ppbv

RT: 4.89 min Scan# 653

Delta R.T. 0.00 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

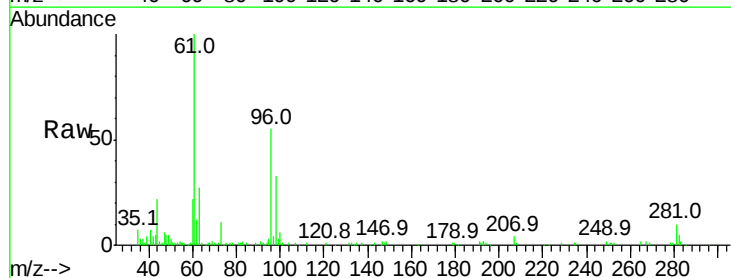
Tgt Ion: 96 Resp: 33220

Ion Ratio Lower Upper

96 100

61 183.8 131.8 197.6

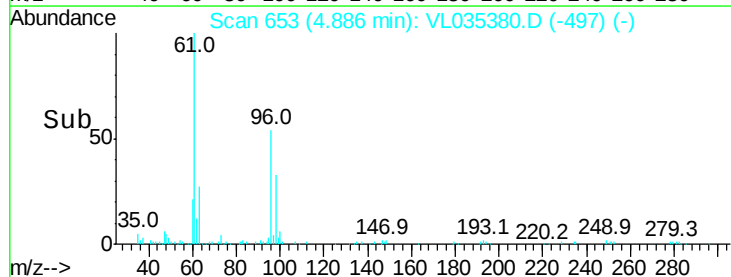
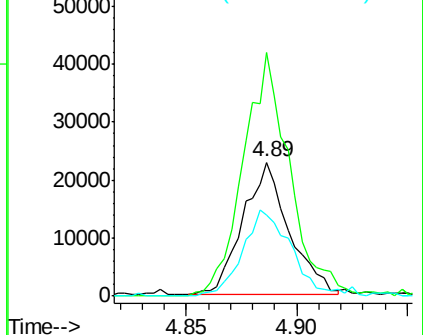
98 60.8 49.6 74.4

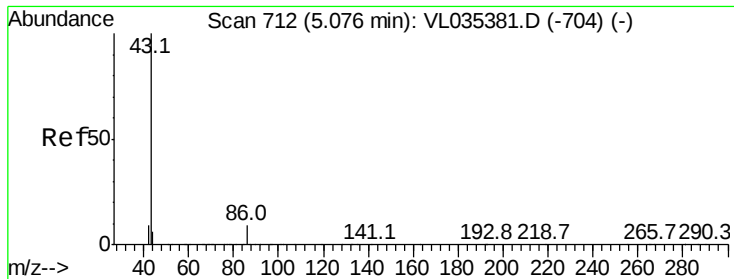


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 1.022 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.00 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 185049

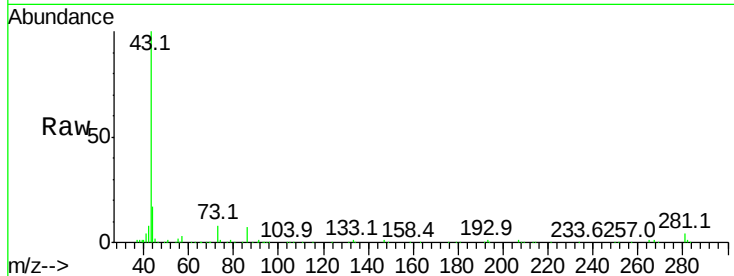
Ion Ratio Lower Upper

43 100

86 7.0 5.8 8.8

42 7.1 8.0 12.0#

44 8.4 4.2 6.2#

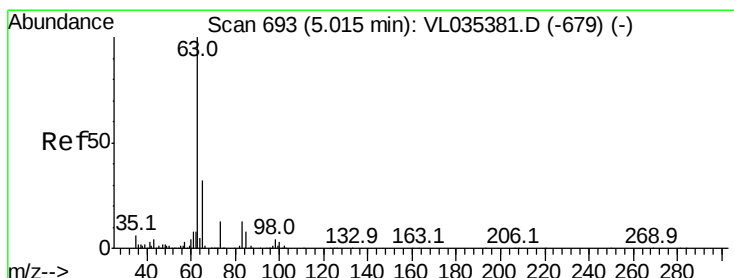
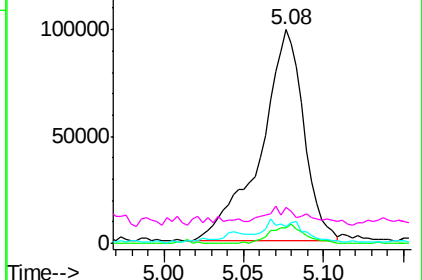
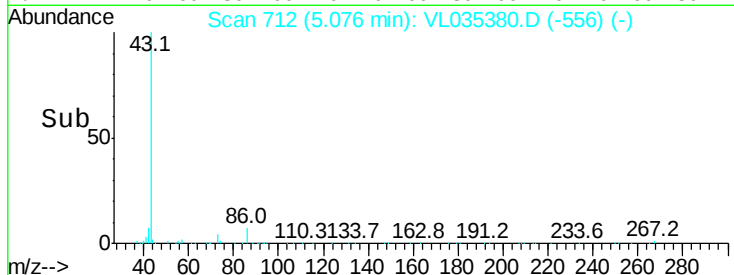


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.575 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

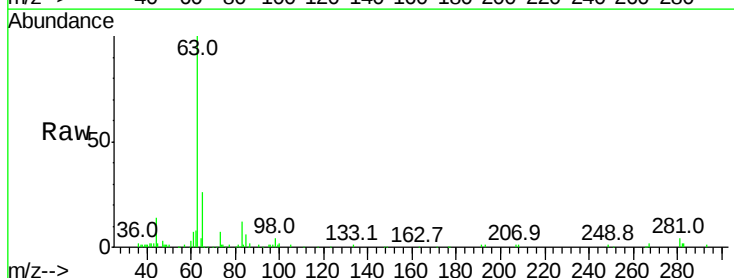
Tgt Ion: 63 Resp: 97926

Ion Ratio Lower Upper

63 100

98 3.5 2.2 6.6

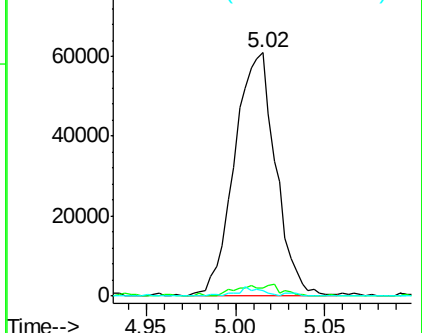
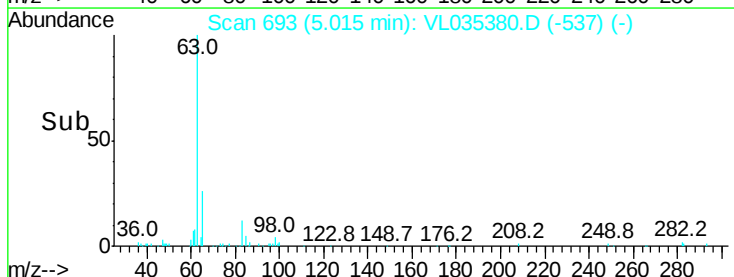
100 2.0 1.4 4.0

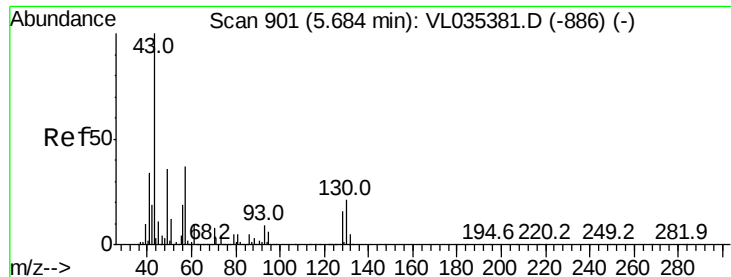


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 0.697 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 199952

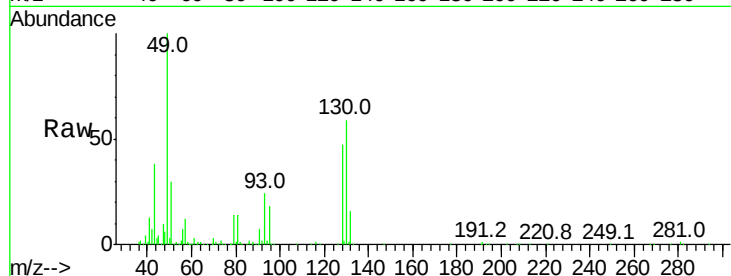
Ion Ratio Lower Upper

43 100

45 11.8 8.0 12.0

61 9.9 7.4 11.2

70 8.2 5.9 8.9

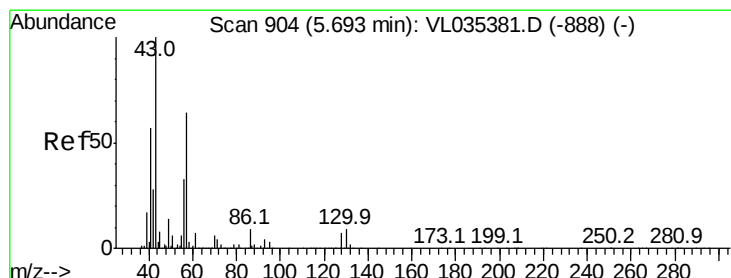
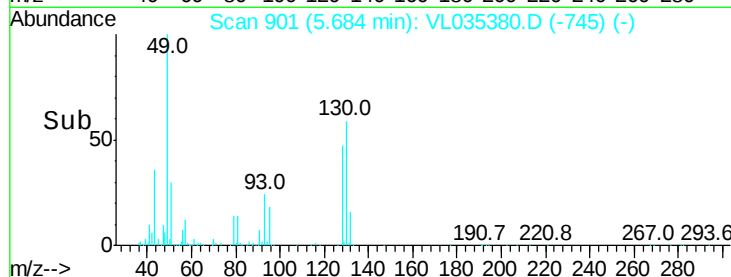
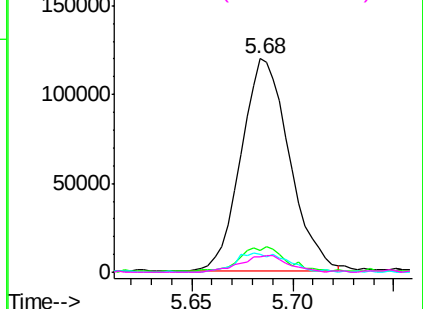


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.716 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.00 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

Tgt Ion: 57 Resp: 89094

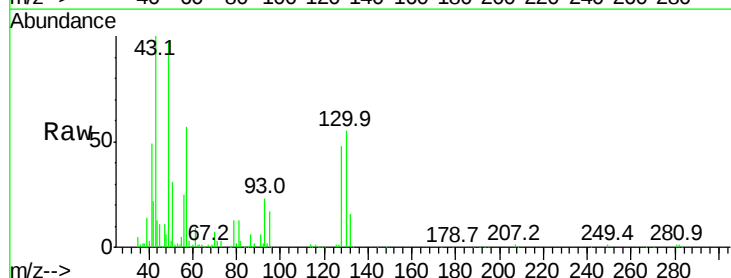
Ion Ratio Lower Upper

57 100

41 95.2 75.4 113.2

43 224.9 184.1 276.1

56 53.4 42.2 63.4

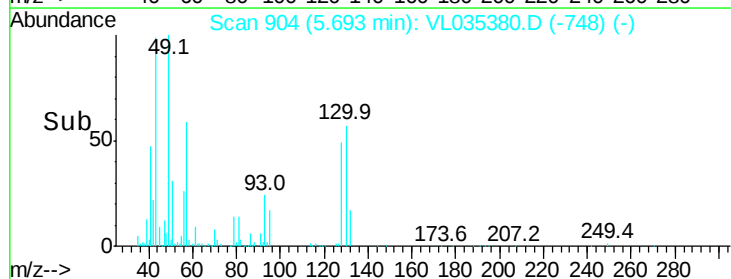
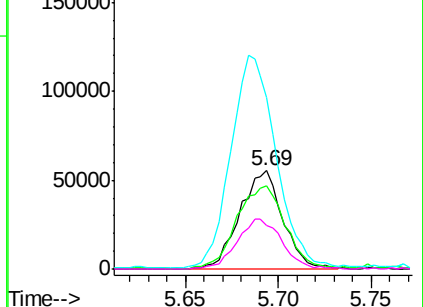


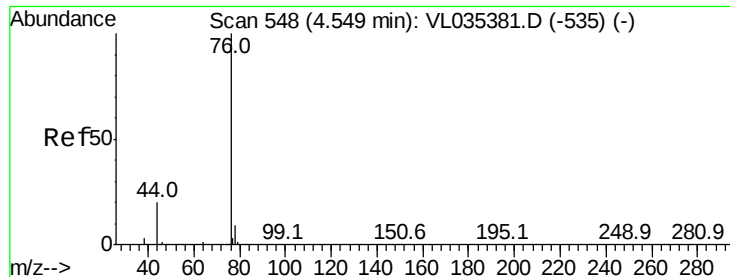
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.491 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.00 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

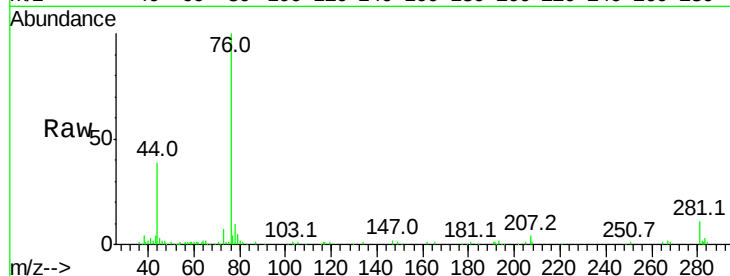
Tgt Ion: 76 Resp: 85442

Ion Ratio Lower Upper

76 100

44 45.9 17.0 25.4#

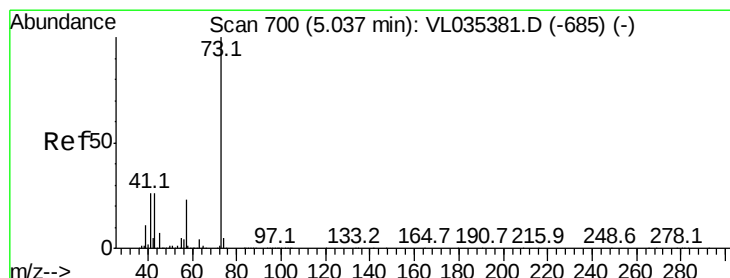
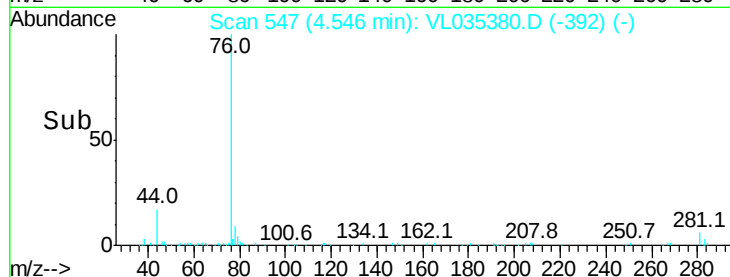
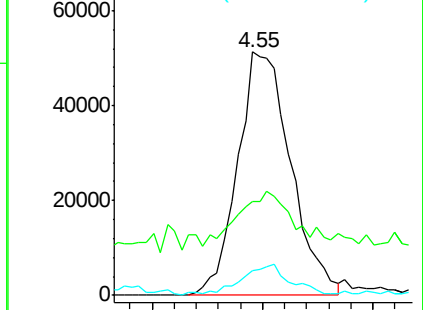
78 12.6 7.5 11.3#



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: 0.780 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.01 min

Lab File: VL035380.D

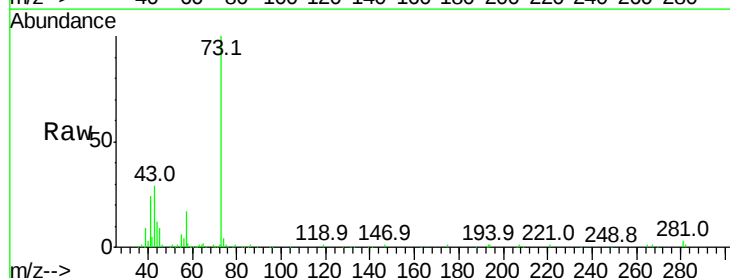
Acq: 12 Aug 2020 11:08

Tgt Ion: 73 Resp: 141203

Ion Ratio Lower Upper

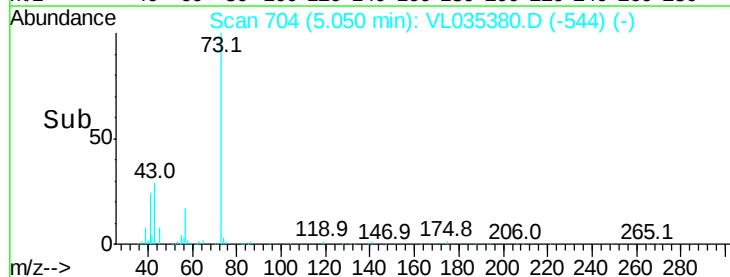
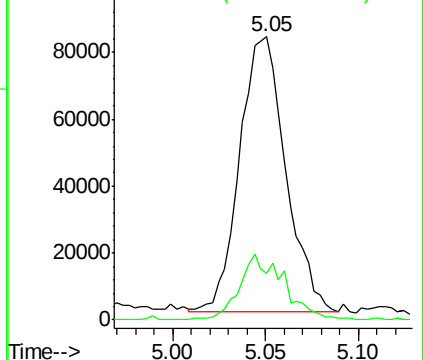
73 100

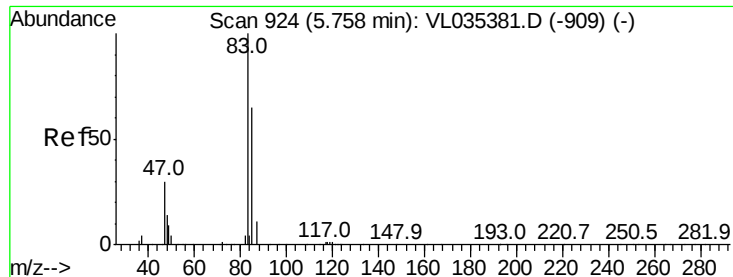
57 23.3 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 0.564 ppbv

RT: 5.75 min Scan# 922

Delta R.T. -0.01 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

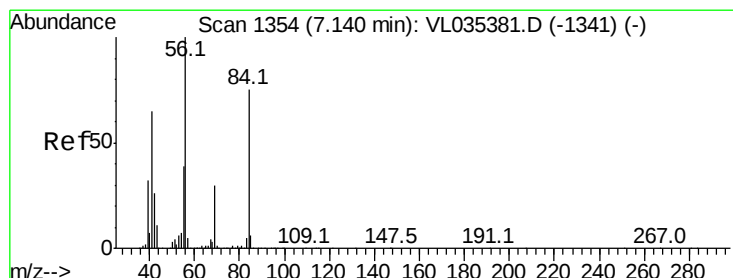
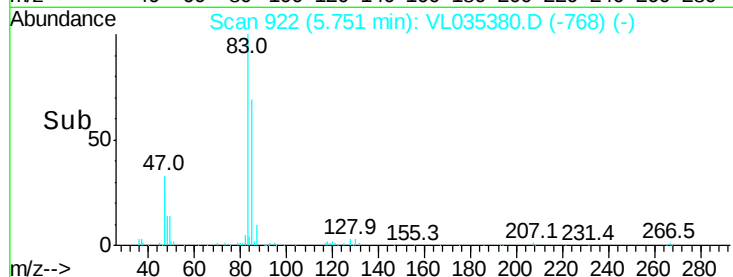
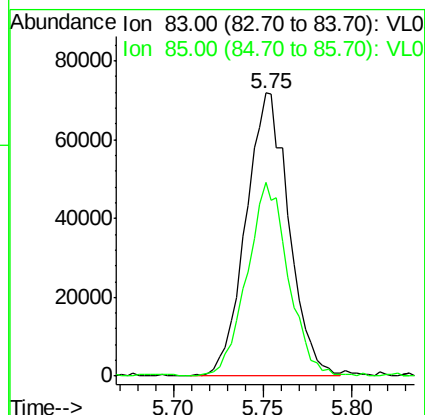
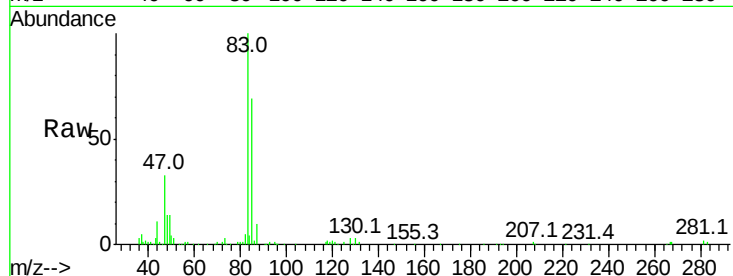
VSTDIC0.5

Tgt Ion: 83 Resp: 121164

Ion Ratio Lower Upper

83 100

85 68.7 51.7 77.5



#30

Cyclohexane

Concen: 0.764 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

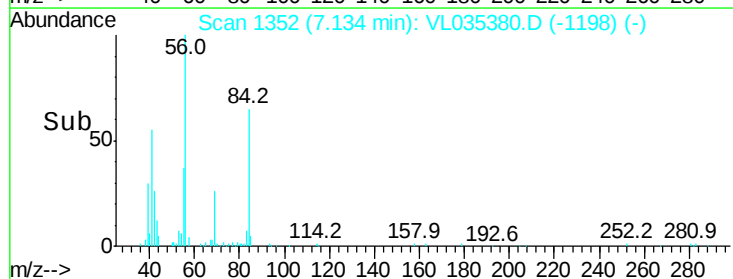
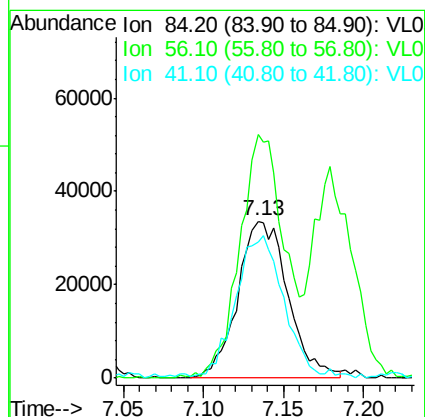
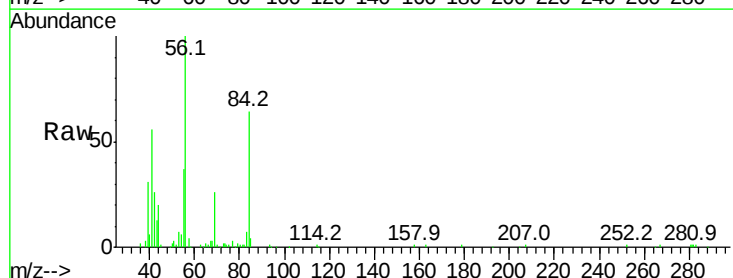
Tgt Ion: 84 Resp: 72105

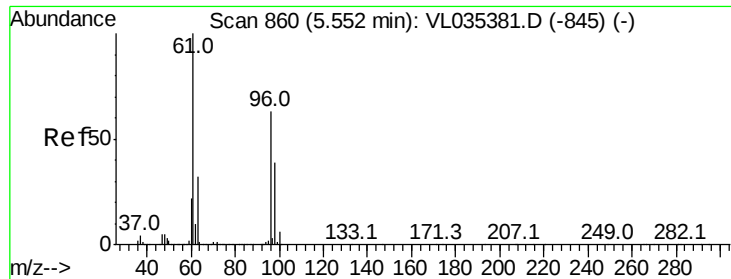
Ion Ratio Lower Upper

84 100

56 141.7 115.8 173.6

41 89.1 71.4 107.0





#31

cis-1,2-Dichloroethene

Concen: 0.738 ppbv

RT: 5.55 min Scan# 859

Delta R.T. -0.00 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

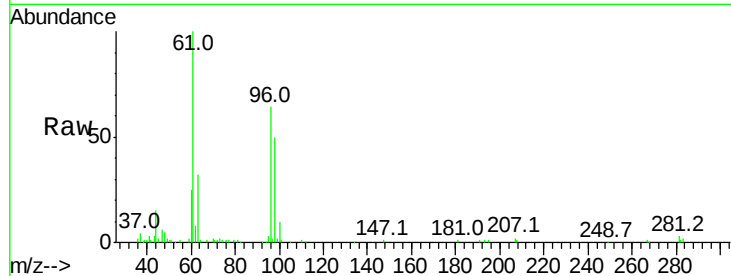
Tgt Ion: 61 Resp: 81728

Ion Ratio Lower Upper

61 100

96 63.3 50.5 75.7

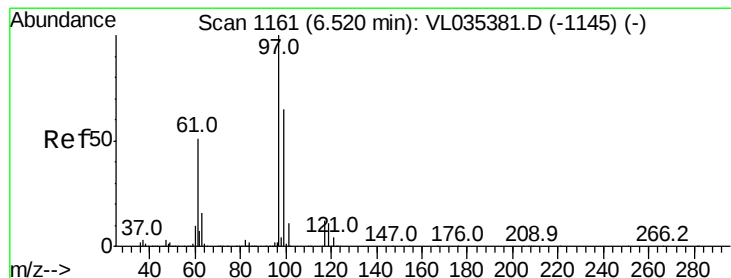
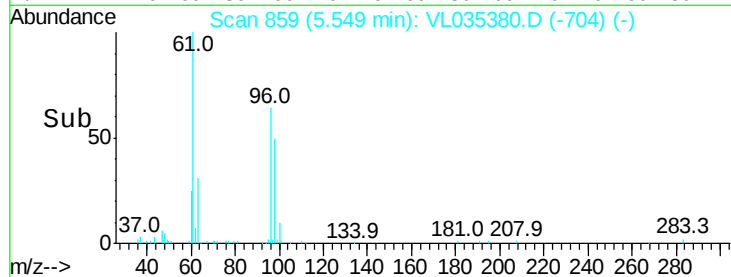
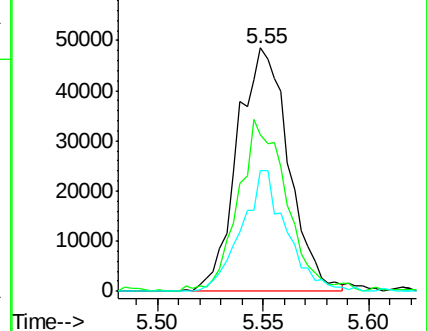
98 49.8 31.5 47.3#



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: 0.534 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

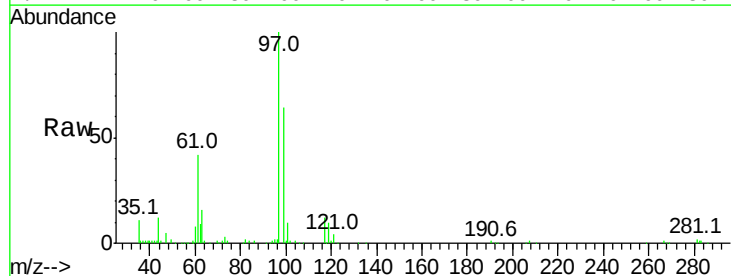
Tgt Ion: 97 Resp: 120438

Ion Ratio Lower Upper

97 100

99 62.8 51.8 77.8

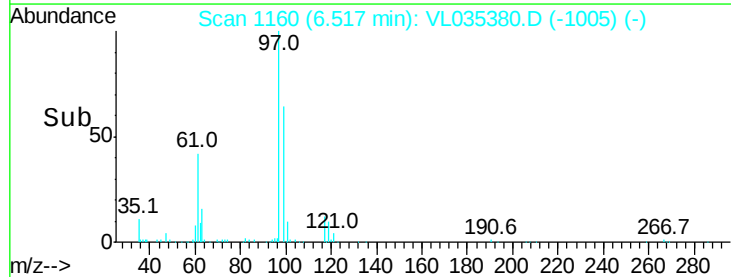
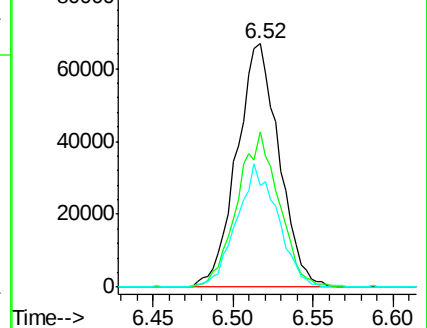
61 49.2 39.6 59.4

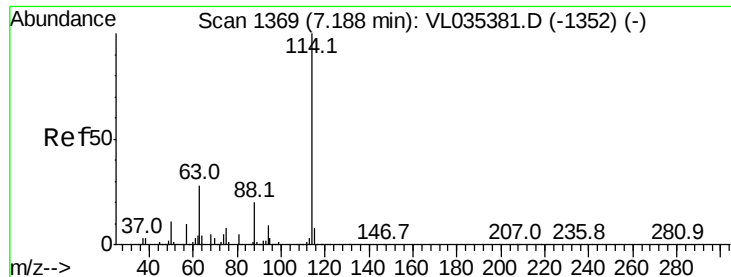


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.01 min

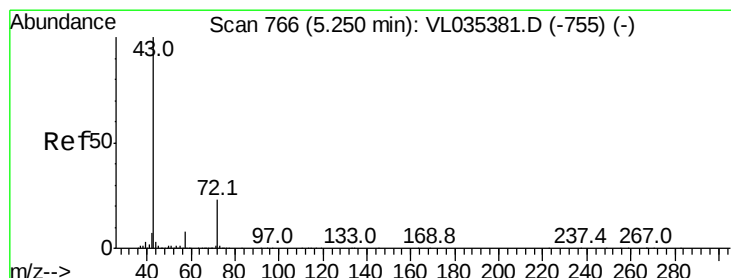
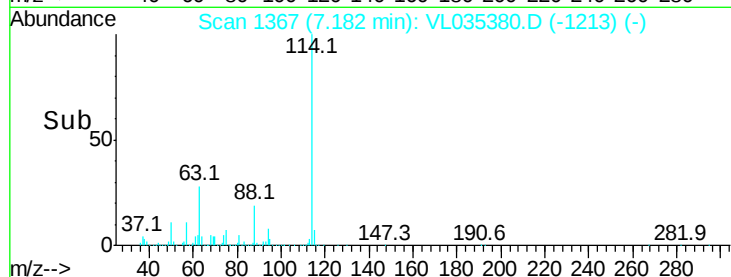
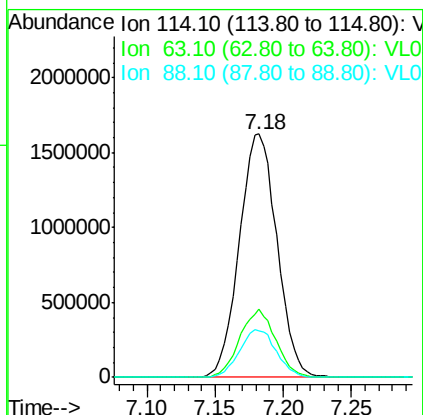
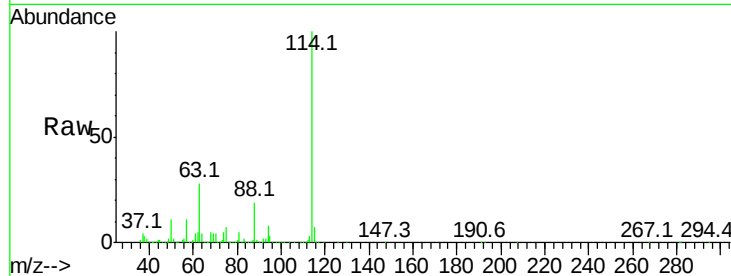
Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:114 Resp: 3112236

Ion	Ratio	Lower	Upper
114	100		
63	26.9	21.5	32.3
88	19.2	15.6	23.4



#34

2-Butanone

Concen: 0.837 ppbv

RT: 5.26 min Scan# 768

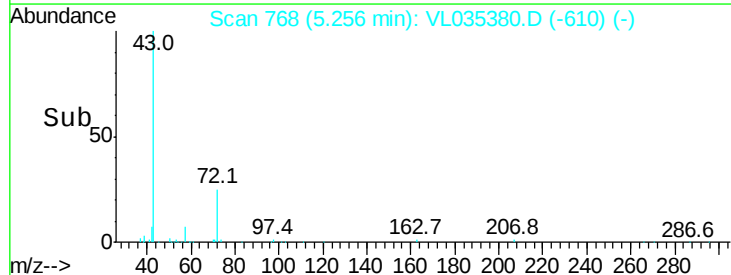
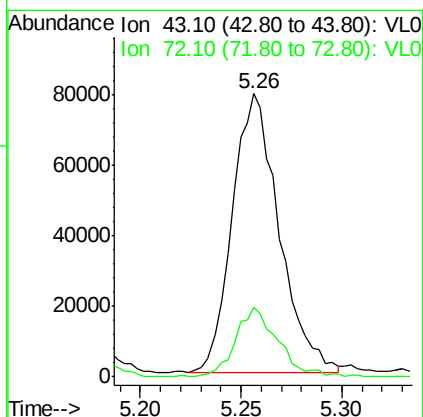
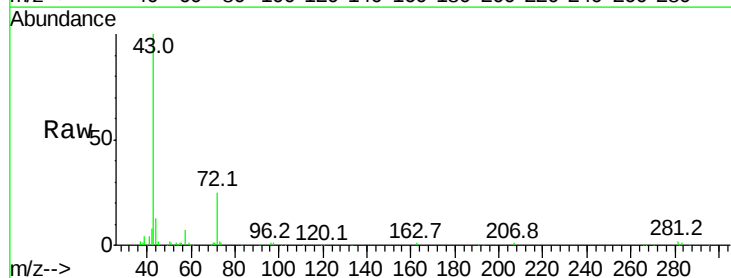
Delta R.T. 0.01 min

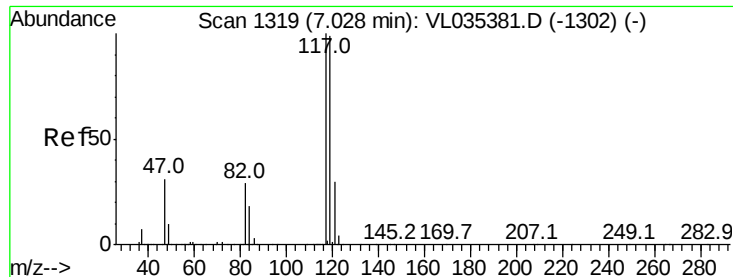
Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

Tgt Ion: 43 Resp: 128323

Ion	Ratio	Lower	Upper
43	100		
72	23.0	17.7	26.5





#35

Carbon Tetrachloride

Concen: 0.538 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

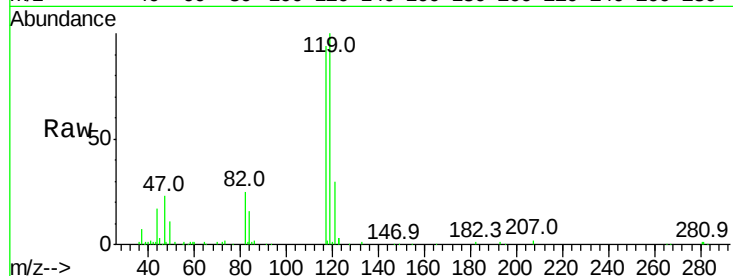
Tgt Ion:117 Resp: 115234

Ion Ratio Lower Upper

117 100

119 106.0 79.4 119.0

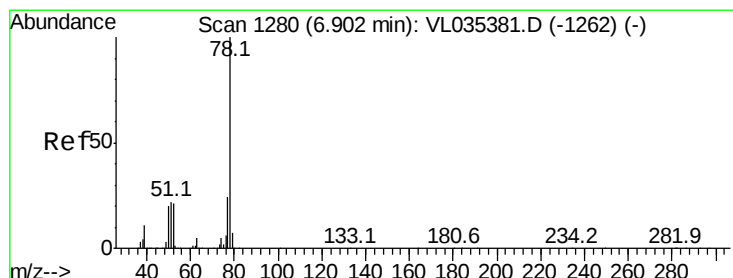
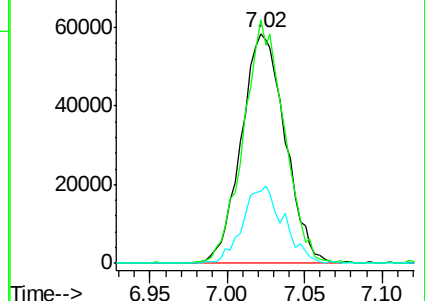
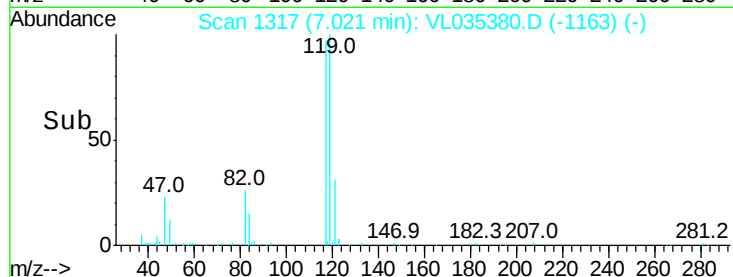
121 31.5 24.3 36.5



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: 0.830 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. -0.00 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

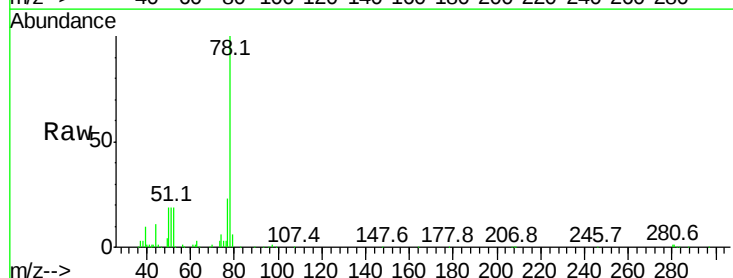
Tgt Ion: 78 Resp: 174442

Ion Ratio Lower Upper

78 100

77 22.9 19.1 28.7

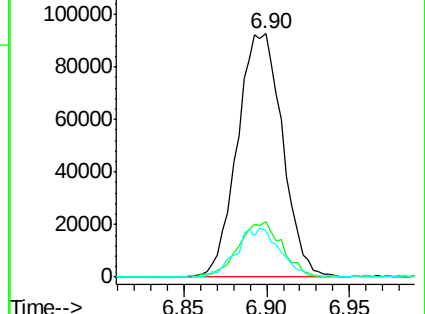
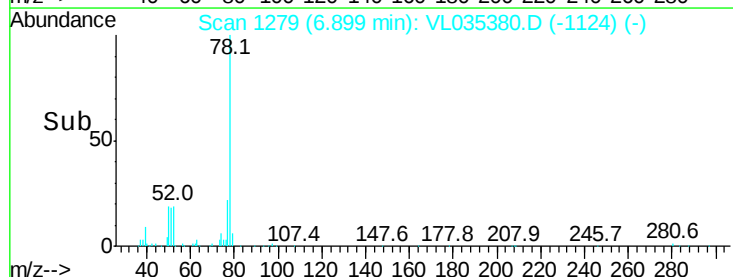
50 18.5 15.8 23.6

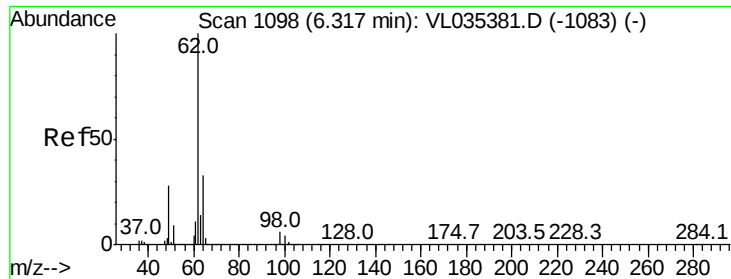


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

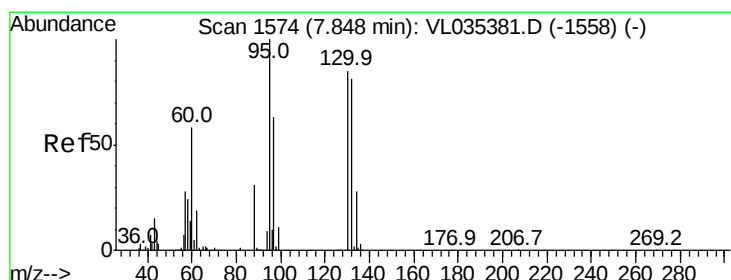
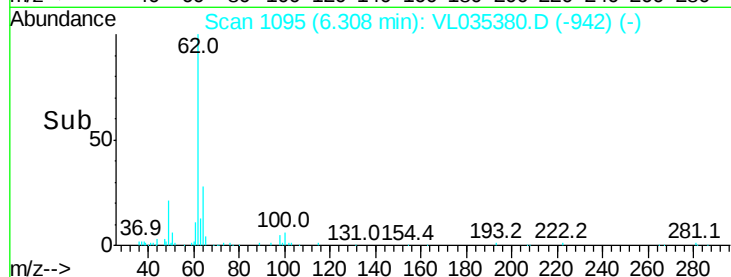
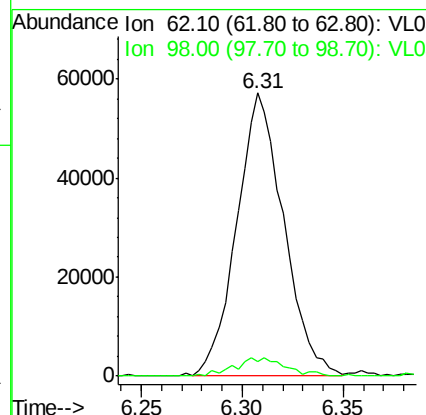
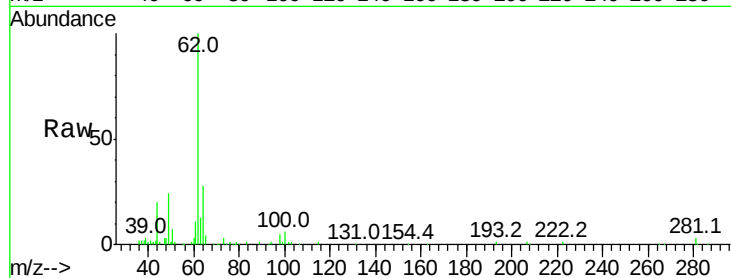




#37
 1,2-Dichloroethane
 Concen: 0.635 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.01 min
 Lab File: VL035380.D
 Acq: 12 Aug 2020 11:08

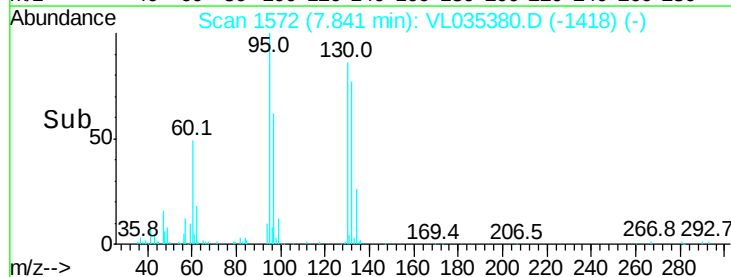
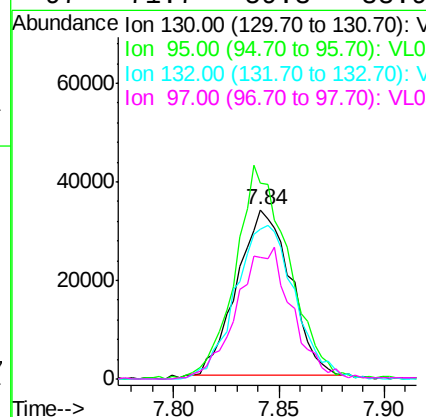
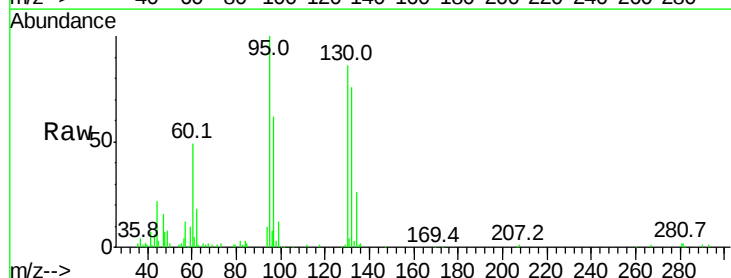
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

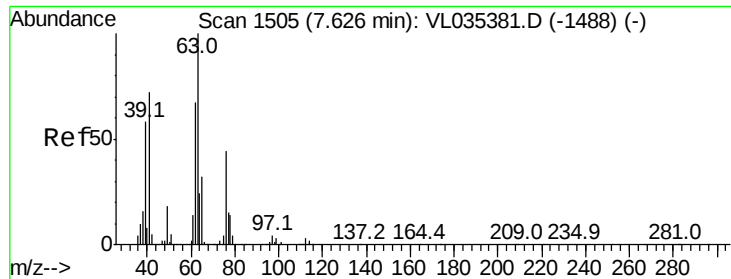
Tgt Ion: 62 Resp: 93161
 Ion Ratio Lower Upper
 62 100
 98 7.1 5.1 7.7



#38
 Trichloroethene
 Concen: 0.607 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VL035380.D
 Acq: 12 Aug 2020 11:08

Tgt Ion: 130 Resp: 58872
 Ion Ratio Lower Upper
 130 100
 95 115.6 94.2 141.4
 132 88.9 76.6 114.8
 97 71.7 59.3 88.9

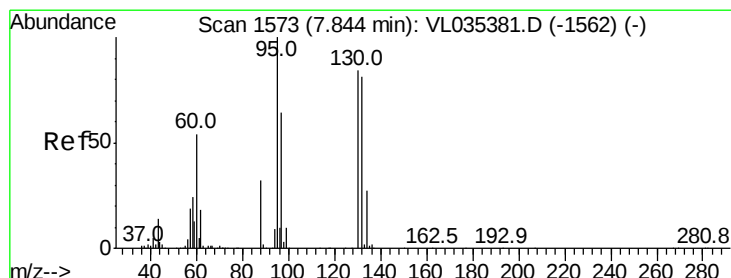
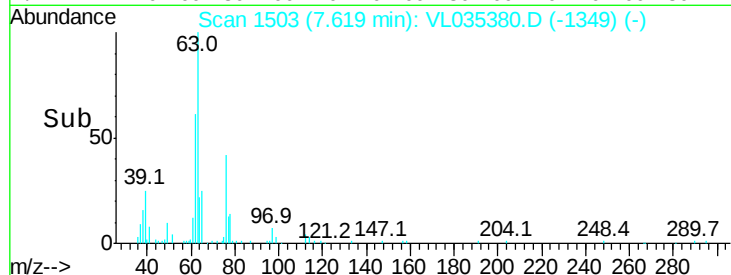
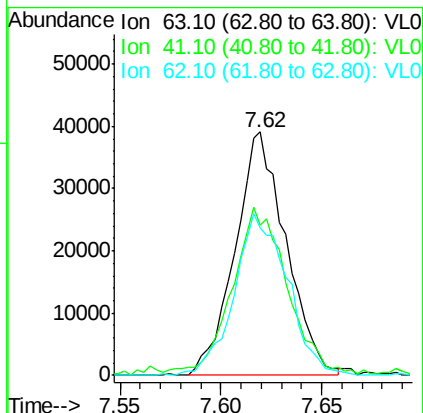
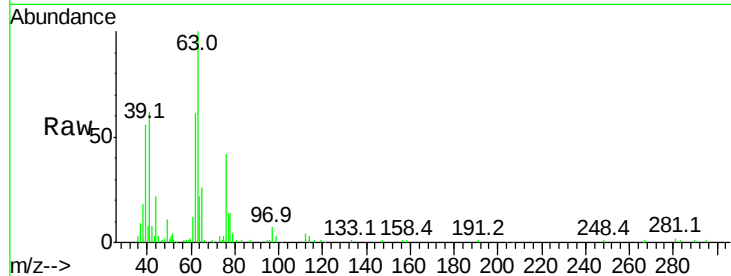




#39
 1,2-Dichloropropane
 Concen: 0.811 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: VL035380.D
 Acq: 12 Aug 2020 11:08

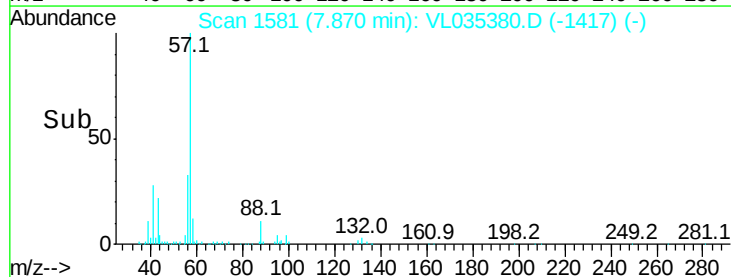
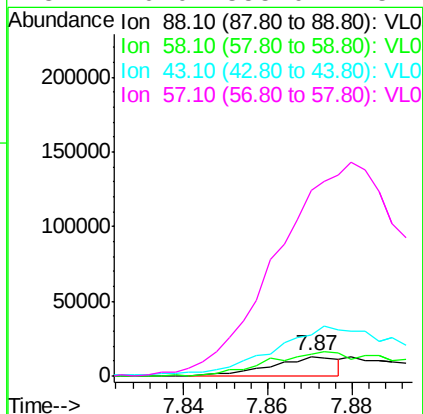
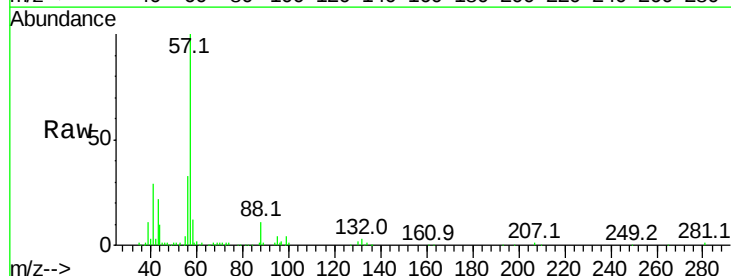
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

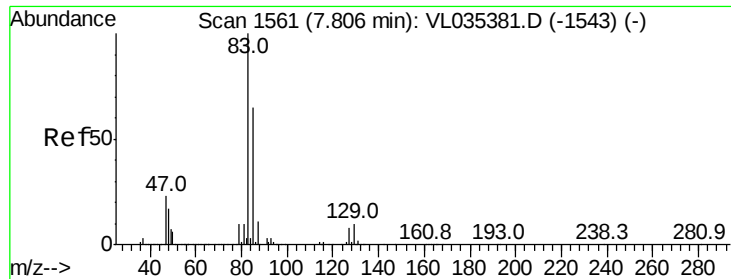
Tgt Ion:	63	Resp:	69017
Ion	Ratio	Lower	Upper
63	100		
41	58.5	57.4	86.2
62	58.8	53.6	80.4



#40
 1,4-Dioxane
 Concen: 0.398 ppbv
 RT: 7.87 min Scan# 1581
 Delta R.T. 0.03 min
 Lab File: VL035380.D
 Acq: 12 Aug 2020 11:08

Tgt Ion:	88	Resp:	14498
Ion	Ratio	Lower	Upper
88	100		
58	289.1	105.0	157.6#
43	513.2	204.2	306.2#
57	0.0	855.0	1282.4#





#42

Bromodichloromethane

Concen: 0.657 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. -0.01 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

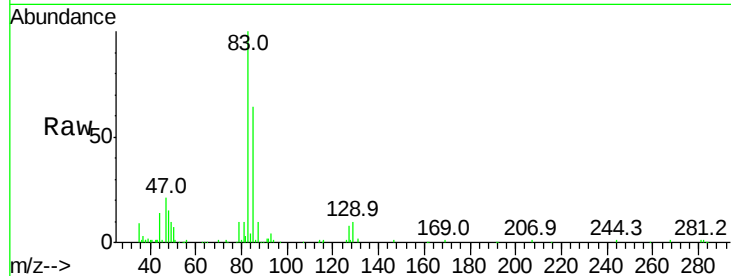
Tgt Ion: 83 Resp: 129440

Ion Ratio Lower Upper

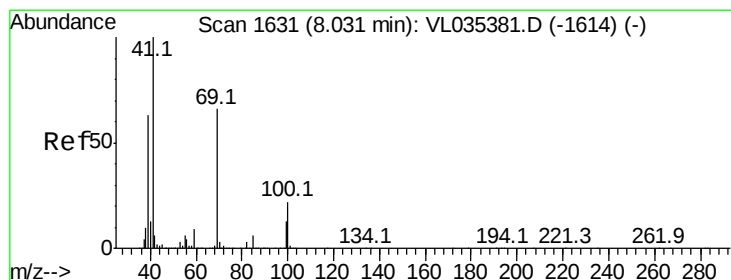
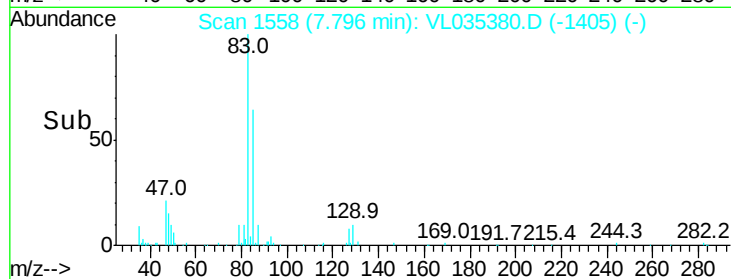
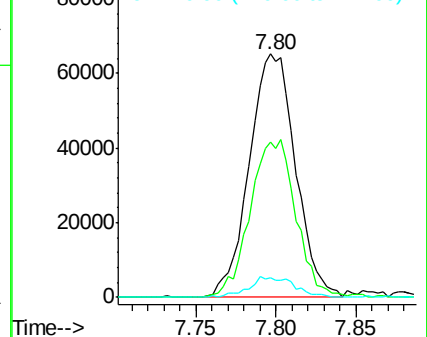
83 100

85 63.9 52.2 78.4

127 7.8 6.3 9.5



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): VL0



#43

Methyl Methacrylate

Concen: 0.865 ppbv

RT: 8.03 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VL035380.D

Acq: 12 Aug 2020 11:08

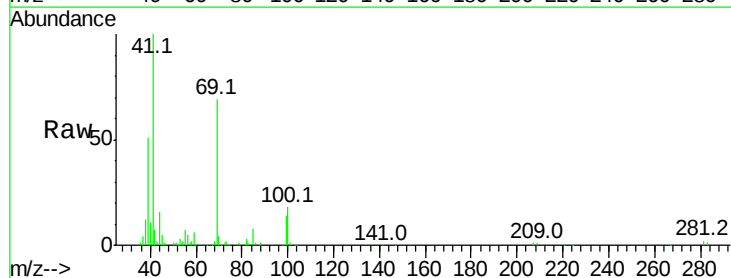
Tgt Ion: 69 Resp: 76493

Ion Ratio Lower Upper

69 100

41 150.8 123.4 185.2

100 34.8 26.7 40.1



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

