

Data File : VL034683.D
Acq On : 26 Feb 2020 6:57
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022620

Quant Time: Feb 26 07:32:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 06:58:15 2020
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1135235	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2375956	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2943568	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1983329	8.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.01	85	1349336	7.535	ppbv	92
3) Chlorodifluoromethane	2.95	51	1104710	9.017	ppbv	98
4) Chloromethane	3.10	50	645245	9.409	ppbv	99
5) Vinyl Chloride	3.22	62	624472	9.282	ppbv	98
6) Bromomethane	3.44	94	356963	9.056	ppbv	92
7) Chloroethane	3.52	64	225988	9.048	ppbv	93
8) Dichlorotetrafluoroethane	3.15	85	1368379	8.638	ppbv	100
9) Propene	2.97	41	508982	9.939	ppbv	99
10) Heptane	8.13	43	1322012	10.029	ppbv	100
11) Trichlorofluoromethane	3.92	101	1368424	8.724	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	962782	8.708	ppbv	99
13) Ethanol	3.57	45	137621	8.507	ppbv	96
14) Bromoethene	3.71	108	431280	9.349	ppbv	99
15) Acetone	3.82	43	1082411	8.367	ppbv	99
16) 1,3-Butadiene	3.29	39	571942	9.551	ppbv	100
17) tert-Butyl alcohol	4.27	59	986344	9.950	ppbv	100
18) 1,1-Dichloroethene	4.27	96	449208	9.050	ppbv	95
19) Isopropyl Alcohol	3.94	45	821980	10.668	ppbv	100
20) Methylene Chloride	4.32	84	392322	8.155	ppbv	98
21) Allyl Chloride	4.39	41	808228	9.443	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	450864	9.315	ppbv	94
23) Vinyl Acetate	5.06	43	1857351	10.561	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1291247	9.194	ppbv	99
25) Ethyl Acetate	5.67	43	2171959	9.485	ppbv	100
26) Hexane	5.68	57	1009543	9.565	ppbv	98
27) Carbon Disulfide	4.53	76	1170570	9.770	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1441733	9.562	ppbv	98
29) Chloroform	5.75	83	1518785	9.032	ppbv	97
30) Cyclohexane	7.13	84	818985	10.012	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	1042633	10.038	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	1425255	9.076	ppbv	99
34) 2-Butanone	5.23	43	1486064	9.937	ppbv	99
35) Carbon Tetrachloride	7.02	117	1486074	9.339	ppbv	98
36) Benzene	6.90	78	1991695	9.706	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1216367	9.403	ppbv	99
38) Trichloroethene	7.85	130	720355	9.107	ppbv	96
39) 1,2-Dichloropropane	7.62	63	797744	9.771	ppbv	96
40) 1,4-Dioxane	7.84	88	299945	10.803	ppbv	95
41) Tetrahydrofuran	6.04	42	836404	10.596	ppbv	100
42) Bromodichloromethane	7.80	83	1656984	9.784	ppbv	98
43) Methyl Methacrylate	8.02	69	875920	10.148	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3408193	9.503	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1083881	11.508	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1262564	11.177	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	812672	9.703	ppbv	96
48) Dibromochloromethane	10.33	129	1336374	10.261	ppbv	100
49) Bromoform	13.07	173	1164614	10.313	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2199704	10.385	ppbv	100
51) 2-Hexanone	10.15	43	1841860	11.049	ppbv	100
52) Tetrachloroethene	11.25	164	679755	9.037	ppbv	99
53) Toluene	9.83	91	2269642	10.399	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1244163	9.957	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.16	131	933210	7.444	ppbv #	58
57) Chlorobenzene	12.18	112	1655794	7.611	ppbv	97
58) Ethyl Benzene	12.74	91	3026531	8.498	ppbv	99
59) m/p-Xylene	13.03	91	2328879	7.498	ppbv #	21
60) o-Xylene	13.73	91	2435219	7.901	ppbv	100
61) Styrene	13.56	104	1746775	8.822	ppbv	98
62) Isopropylbenzene	14.70	105	3415534	7.596	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	1744161	7.260	ppbv	99
64) n-propylbenzene	15.60	120	902076	7.782	ppbv	95
65) tert-Butylbenzene	16.78	119	2935933	7.562	ppbv	100
66) Benzyl Chloride	17.03	91	1434115	9.902	ppbv	99
67) sec-Butylbenzene	17.33	105	4237116	7.584	ppbv	99
69) p-Isopropyltoluene	17.69	119	3462681	7.529	ppbv	100
70) n-Butylbenzene	18.59	91	3738166	7.465	ppbv	100
71) 2-Chlorotoluene	15.49	91	2695989	7.742	ppbv	100
72) 4-Ethyltoluene	15.88	105	2837920	8.272	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2651149	8.033	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	2740782	7.520	ppbv #	90
75) 1,3-Dichlorobenzene	17.04	146	1566619	7.446	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	1569222	7.455	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1525628	7.500	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1233585	6.965	ppbv	99
79) Naphthalene	22.26	128	2700155	8.418	ppbv	99
80) Naphthalene,2-methyl-	25.01	142	619401	6.261	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	1439045	7.517	ppbv	99

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

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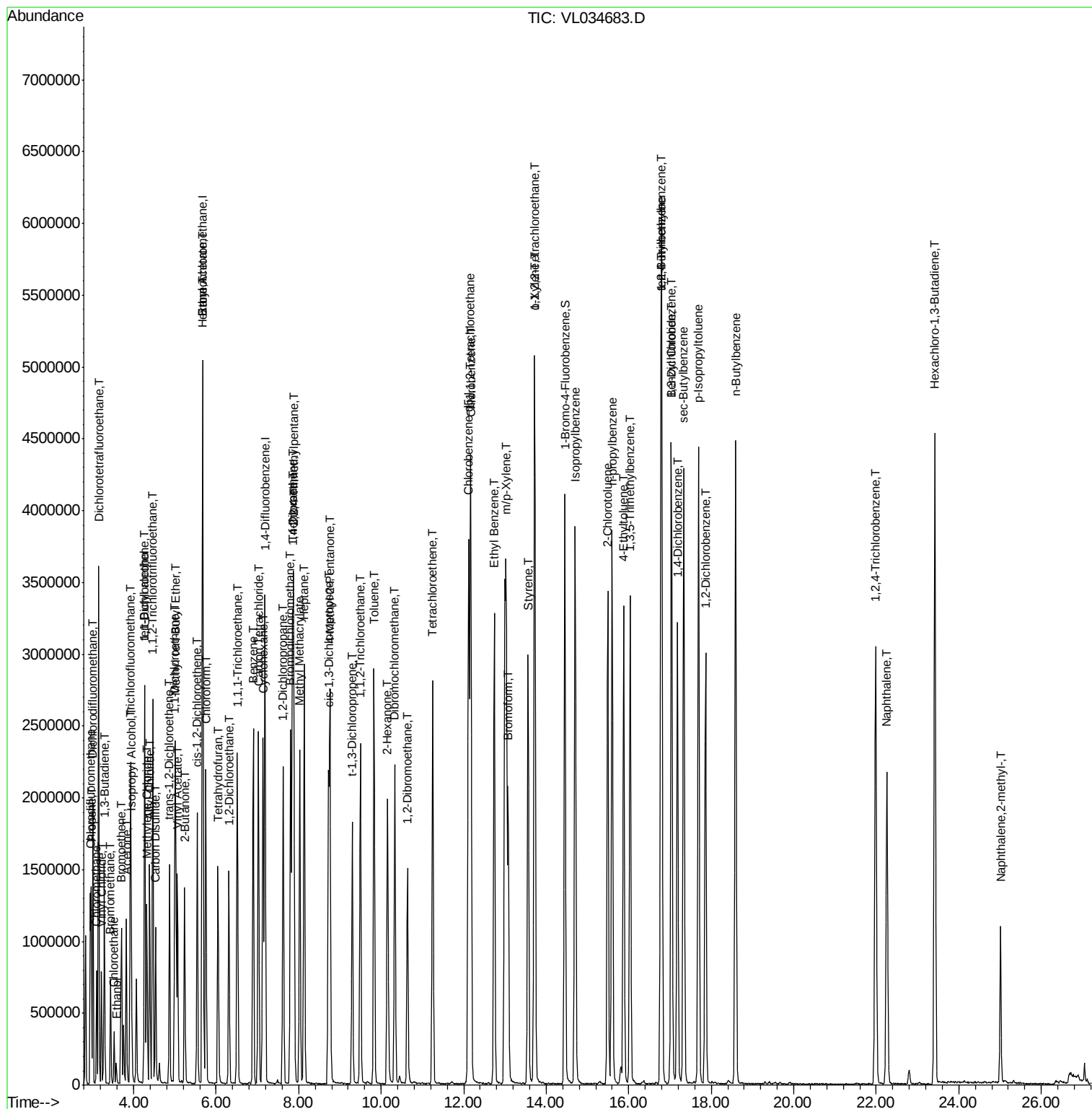
Quant Time: Feb 26 07:32:05 2020

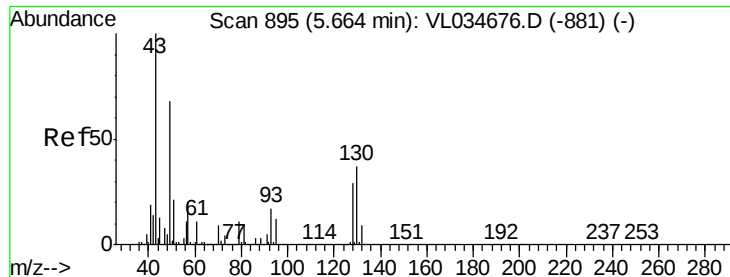
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL022620AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

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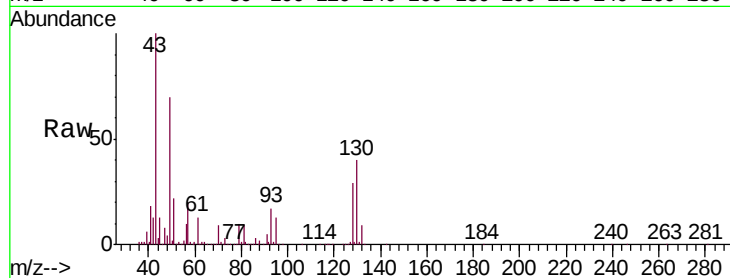
Tgt Ion: 49 Resp: 1135235

Ion Ratio Lower Upper

49 100

128 42.3 21.6 65.0

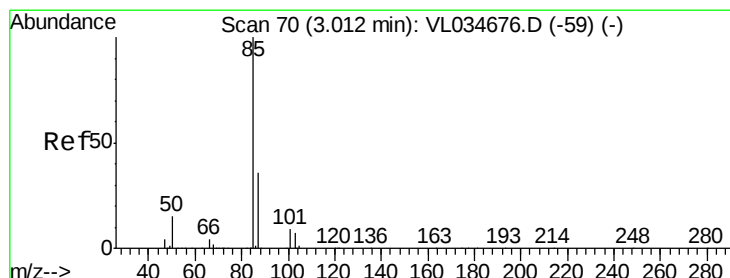
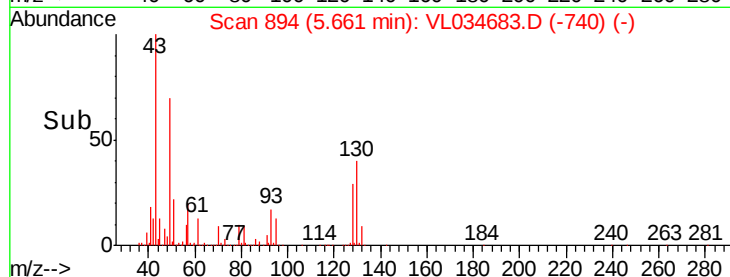
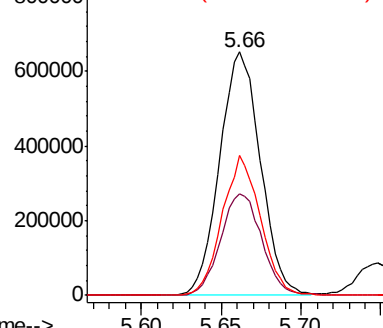
130 54.3 27.7 83.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.535 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL034683.D

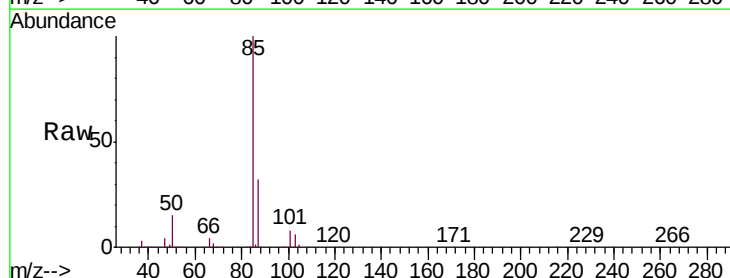
Acq: 26 Feb 2020 6:57

Tgt Ion: 85 Resp: 1349336

Ion Ratio Lower Upper

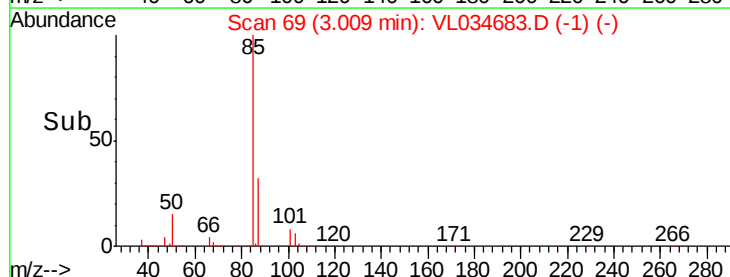
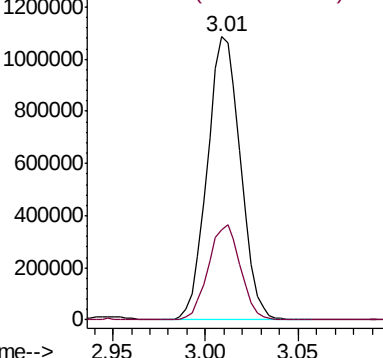
85 100

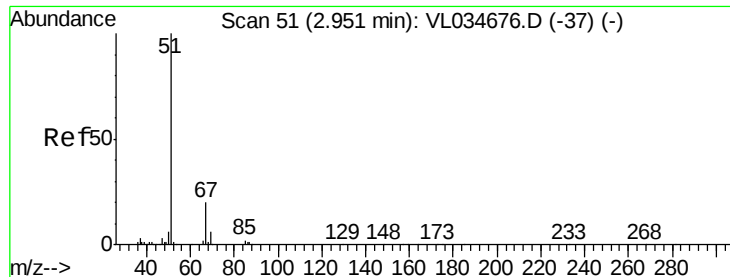
87 31.7 29.2 43.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.017 ppbv

RT: 2.95 min Scan# 51

Delta R.T. -0.00 min

Lab File: VL034683.D

Acq: 26 Feb 2020 6:57

Instrument :

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ClientSampleId :

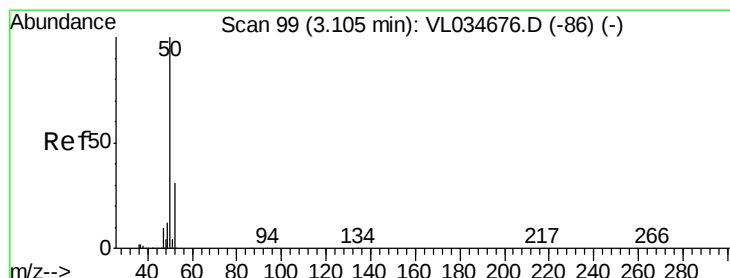
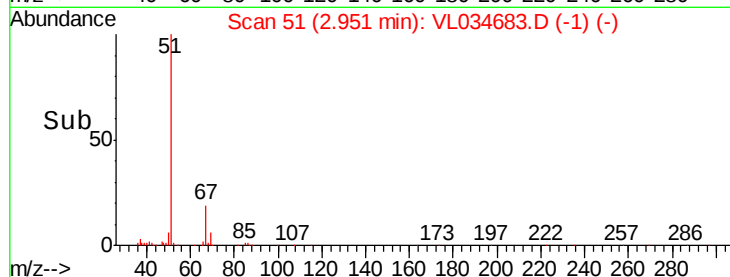
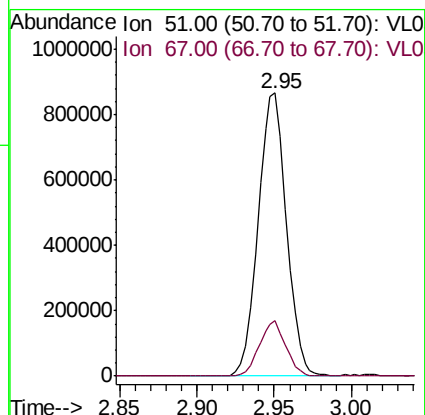
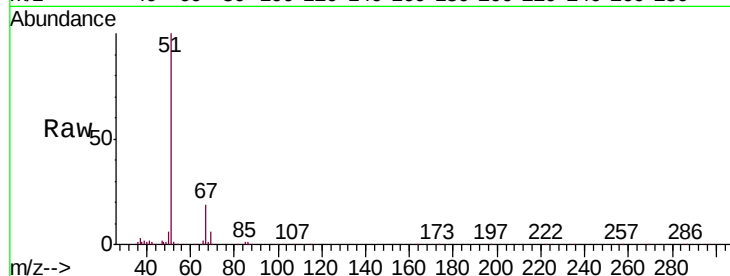
ICVVL022620

Tgt Ion: 51 Resp: 1104710

Ion Ratio Lower Upper

51 100

67 18.4 15.5 23.3



#4

Chloromethane

Concen: 9.409 ppbv

RT: 3.10 min Scan# 98

Delta R.T. -0.00 min

Lab File: VL034683.D

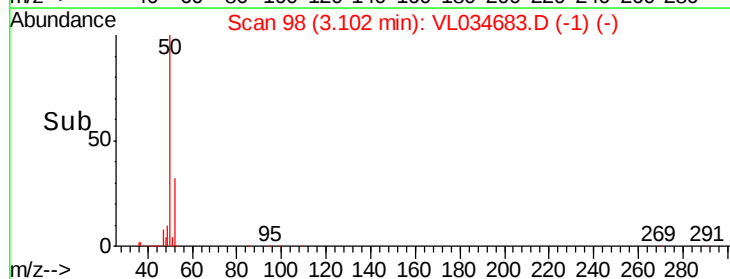
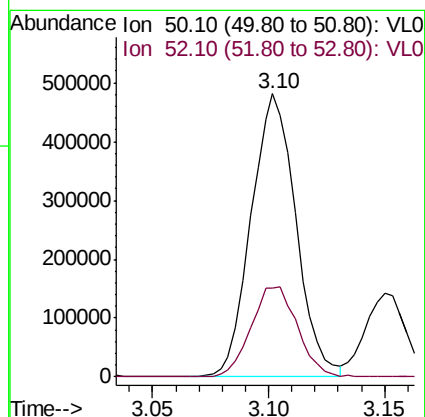
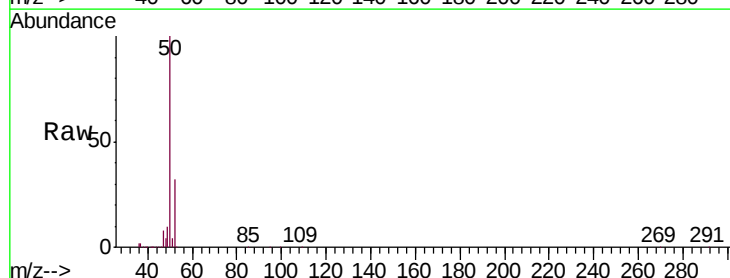
Acq: 26 Feb 2020 6:57

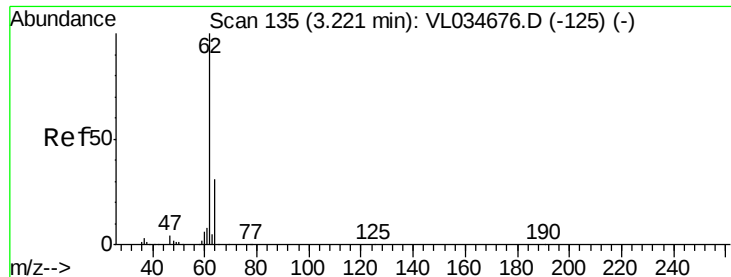
Tgt Ion: 50 Resp: 645245

Ion Ratio Lower Upper

50 100

52 31.5 25.0 37.4





#5

Vinyl Chloride

Concen: 9.282 ppbv

RT: 3.22 min Scan# 135

Delta R.T. -0.00 min

Lab File: VL034683.D

Acq: 26 Feb 2020 6:57

Instrument :

MSVOA_L

ClientSampleId :

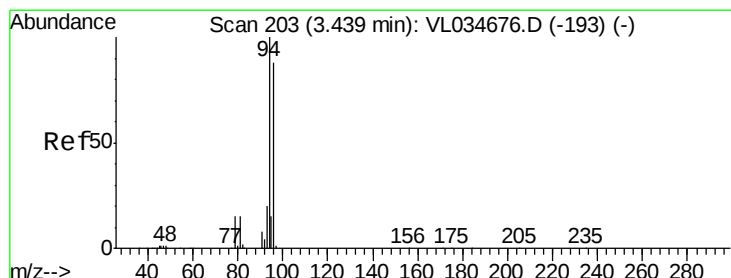
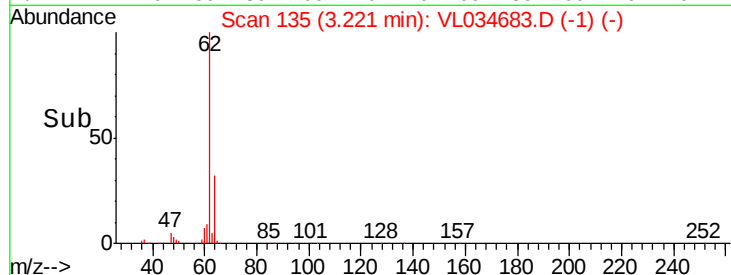
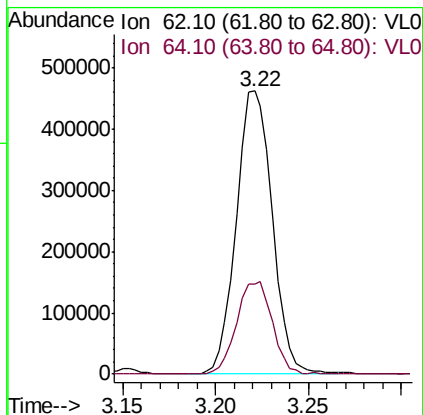
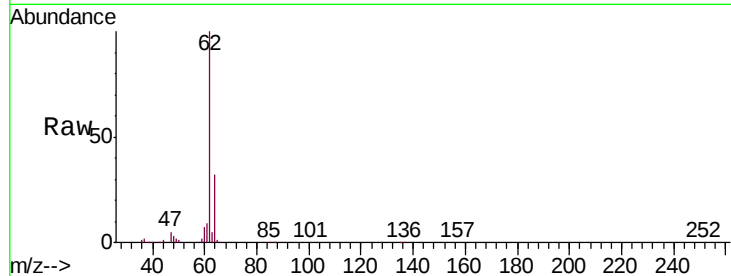
ICVVL022620

Tgt Ion: 62 Resp: 624472

Ion Ratio Lower Upper

62 100

64 32.0 24.7 37.1



#6

Bromomethane

Concen: 9.056 ppbv

RT: 3.44 min Scan# 203

Delta R.T. -0.00 min

Lab File: VL034683.D

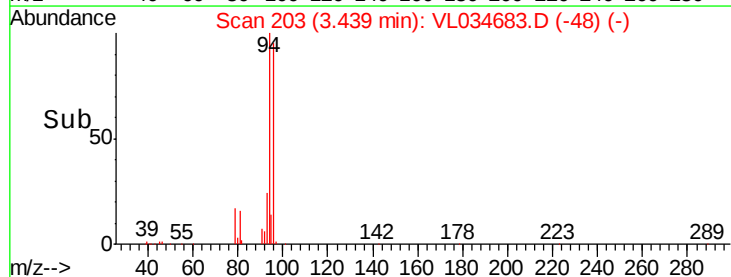
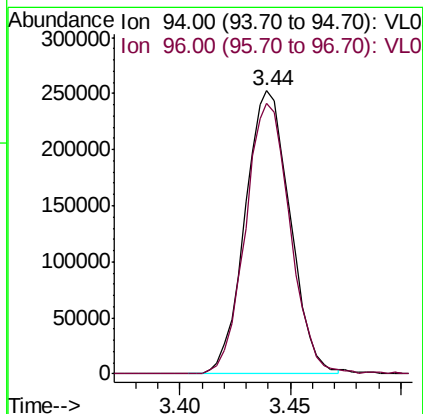
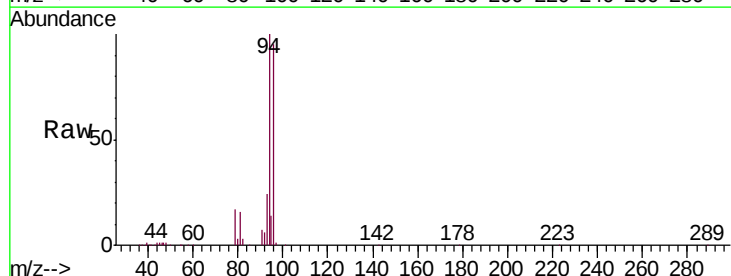
Acq: 26 Feb 2020 6:57

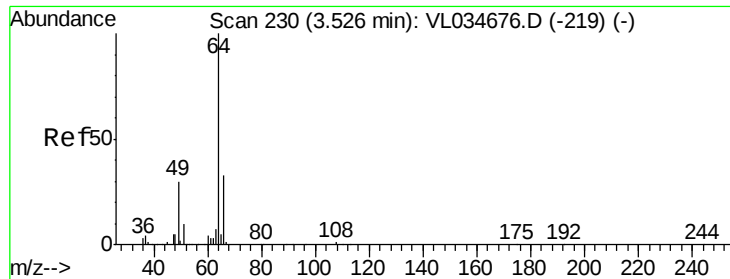
Tgt Ion: 94 Resp: 356963

Ion Ratio Lower Upper

94 100

96 95.4 70.5 105.7





#7

Chloroethane

Concen: 9.048 ppbv

RT: 3.52 min Scan# 229

Delta R.T. -0.00 min

Lab File: VL034683.D

Acq: 26 Feb 2020 6:57

Instrument :

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ClientSampleId :

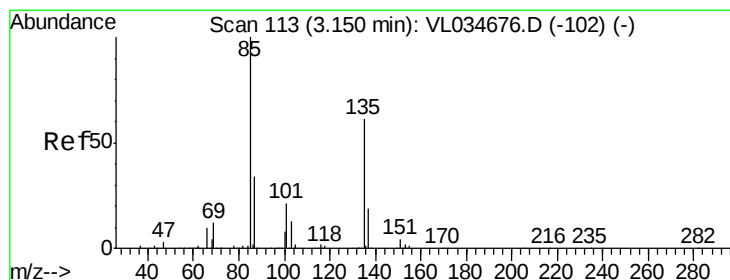
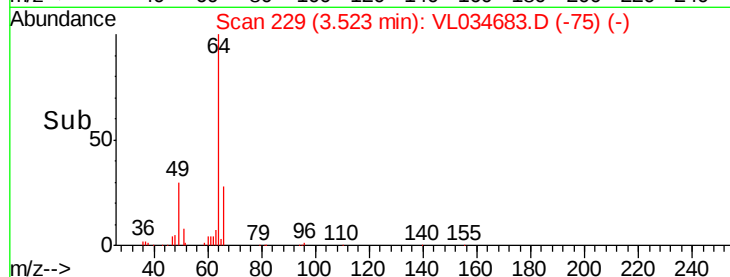
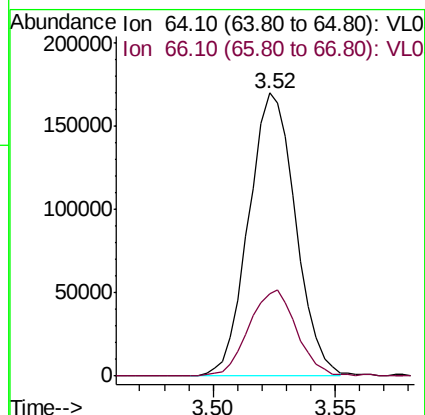
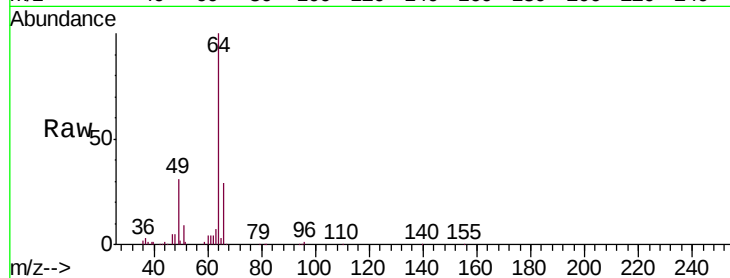
ICVVL022620

Tgt Ion: 64 Resp: 225988

Ion Ratio Lower Upper

64 100

66 29.3 26.7 40.1



#8

Dichlorotetrafluoroethane

Concen: 8.638 ppbv

RT: 3.15 min Scan# 113

Delta R.T. -0.00 min

Lab File: VL034683.D

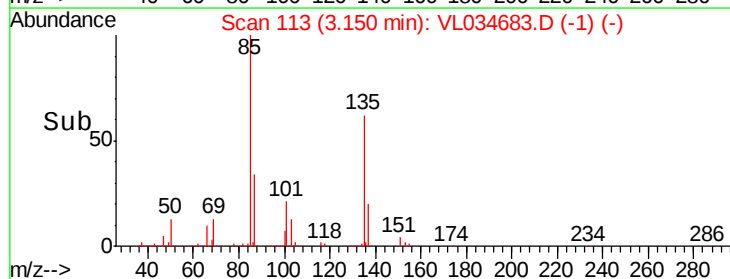
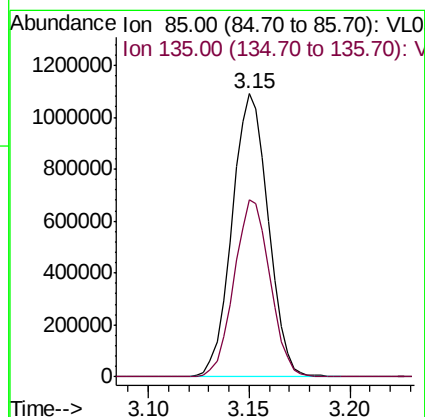
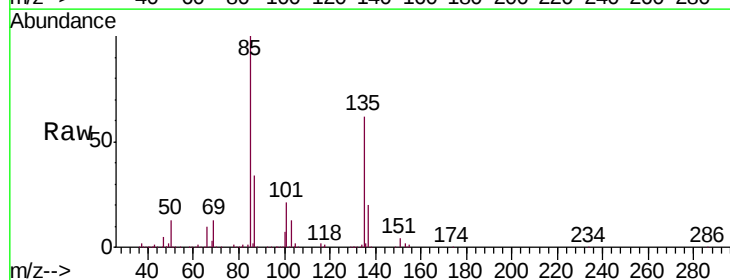
Acq: 26 Feb 2020 6:57

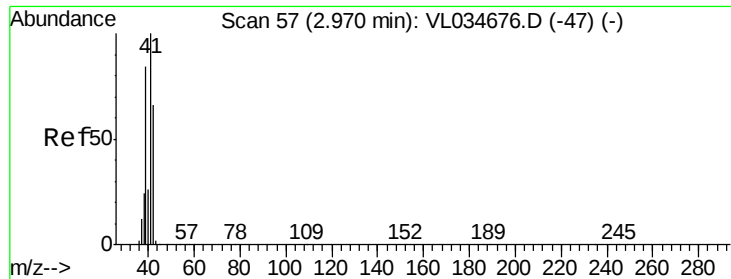
Tgt Ion: 85 Resp: 1368379

Ion Ratio Lower Upper

85 100

135 62.4 49.8 74.6





#9

Propene

Concen: 9.939 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

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ClientSampleId :

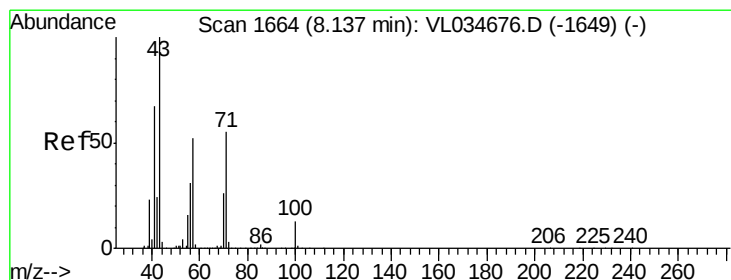
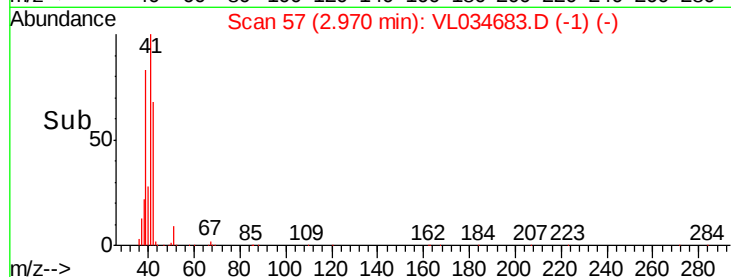
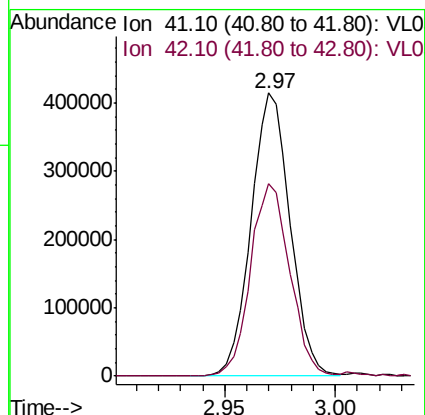
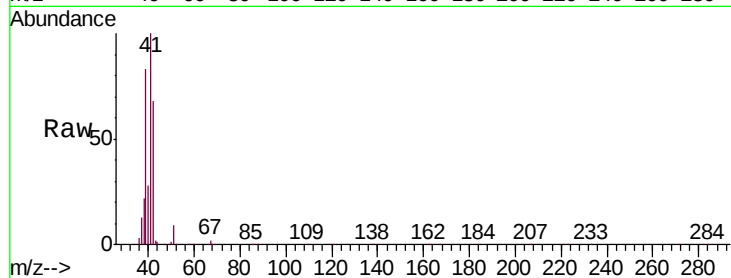
ICVVL022620

Tgt Ion: 41 Resp: 508982

Ion Ratio Lower Upper

41 100

42 69.6 54.9 82.3



#10

Heptane

Concen: 10.029 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VL034683.D

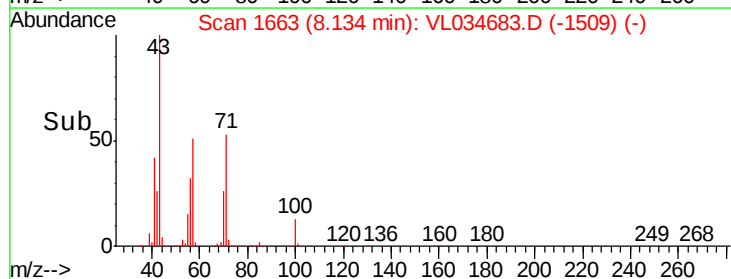
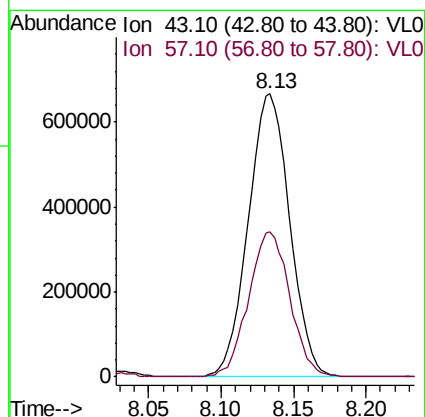
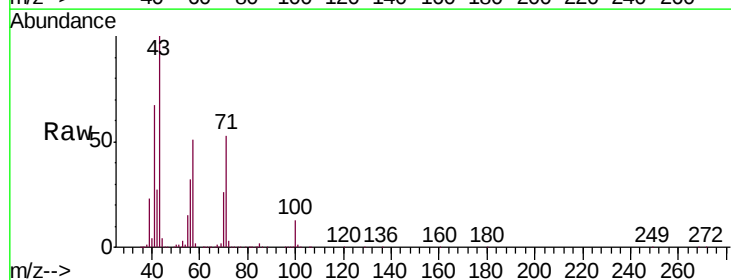
Acq: 26 Feb 2020 6:57

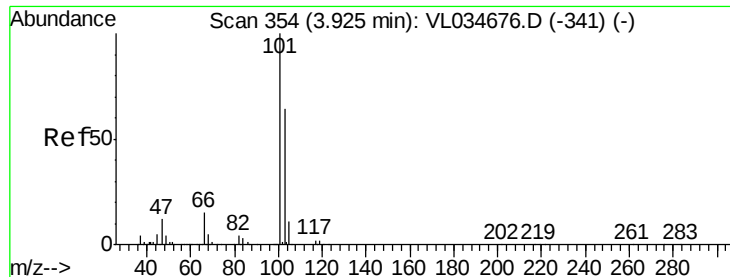
Tgt Ion: 43 Resp: 1322012

Ion Ratio Lower Upper

43 100

57 51.3 41.0 61.6





#11

Trichlorofluoromethane

Concen: 8.724 ppbv

RT: 3.92 min Scan# 353

Delta R.T. -0.00 min

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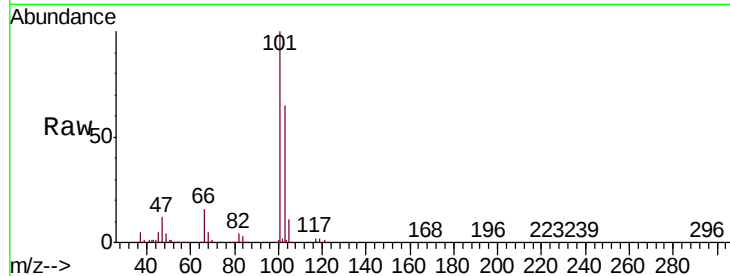
ICVVL022620

Tgt Ion:101 Resp: 1368424

Ion Ratio Lower Upper

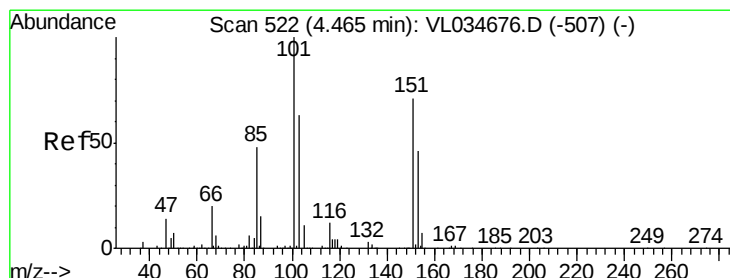
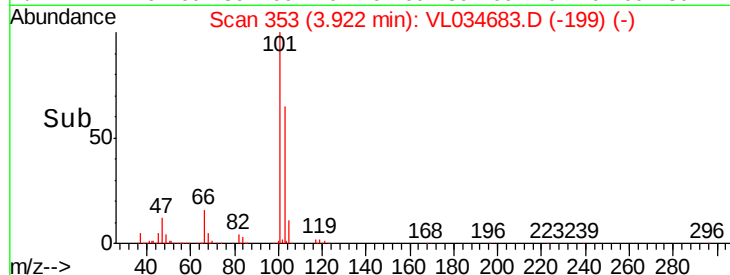
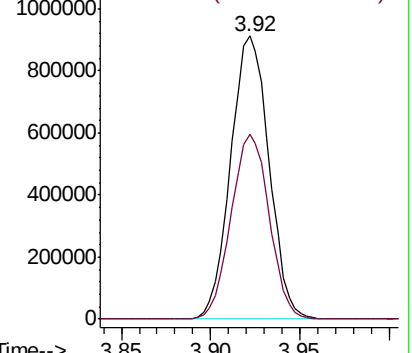
101 100

103 65.4 51.2 76.8



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: 8.708 ppbv

RT: 4.47 min Scan# 522

Delta R.T. -0.00 min

Lab File: VL034683.D

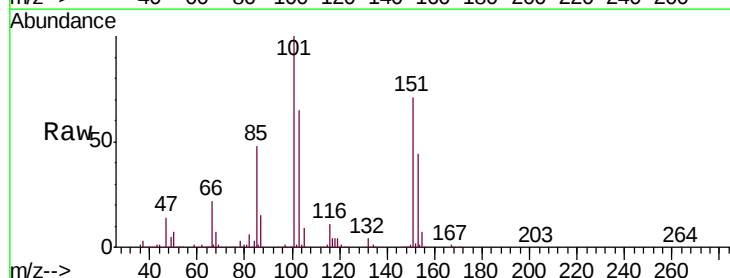
Acq: 26 Feb 2020 6:57

Tgt Ion:101 Resp: 962782

Ion Ratio Lower Upper

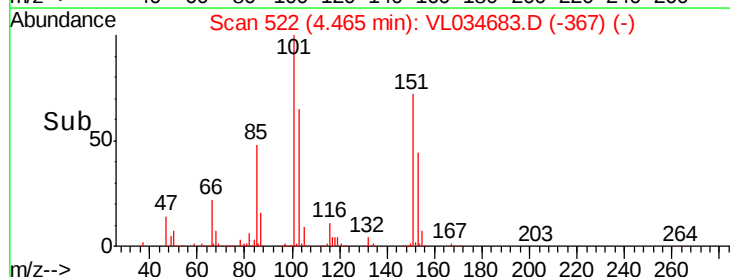
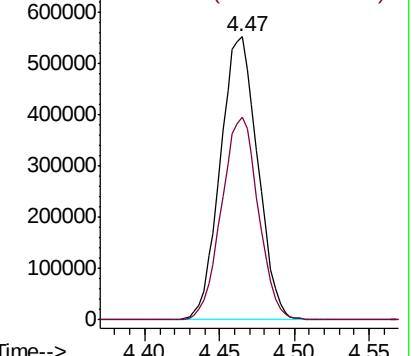
101 100

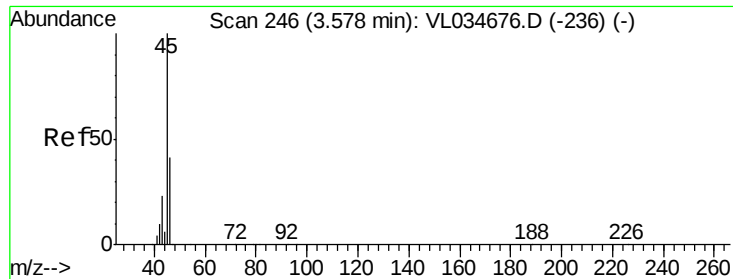
151 70.4 55.8 83.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.507 ppbv

RT: 3.57 min Scan# 244

Delta R.T. -0.01 min

Lab File: VL034683.D

Acq: 26 Feb 2020 6:57

Instrument :

MSVOA_L

ClientSampleId :

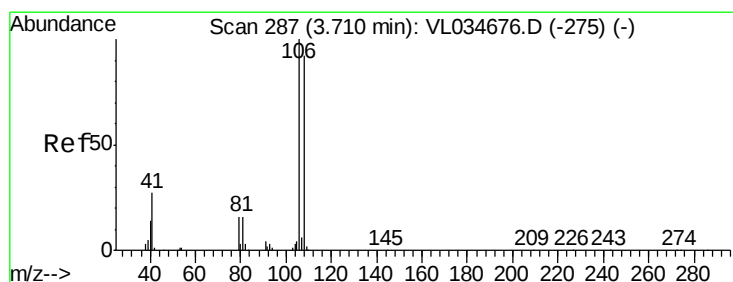
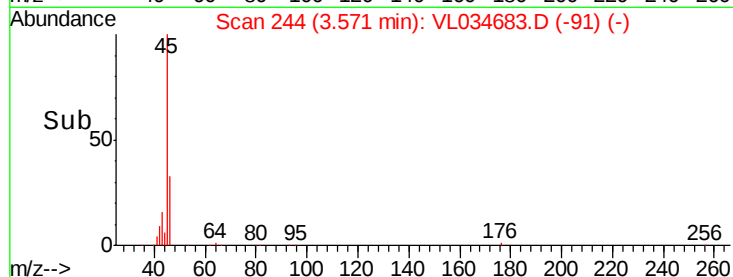
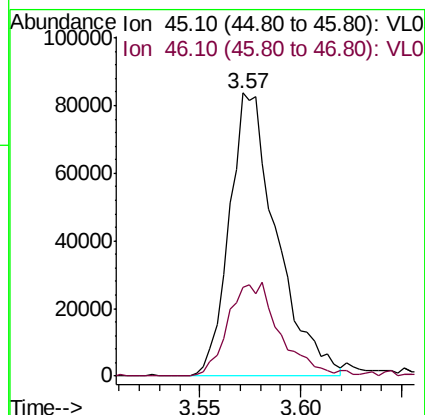
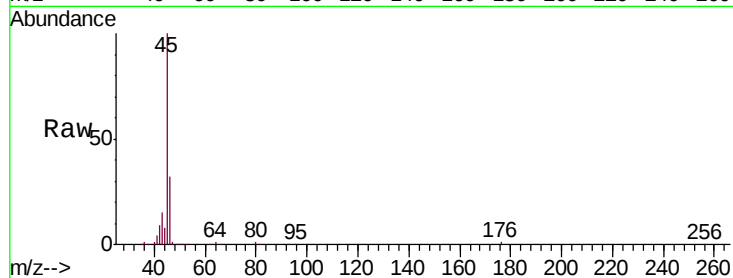
ICVVL022620

Tgt Ion: 45 Resp: 137621

Ion Ratio Lower Upper

45 100

46 35.8 15.4 61.4



#14

Bromoethene

Concen: 9.349 ppbv

RT: 3.71 min Scan# 287

Delta R.T. -0.00 min

Lab File: VL034683.D

Acq: 26 Feb 2020 6:57

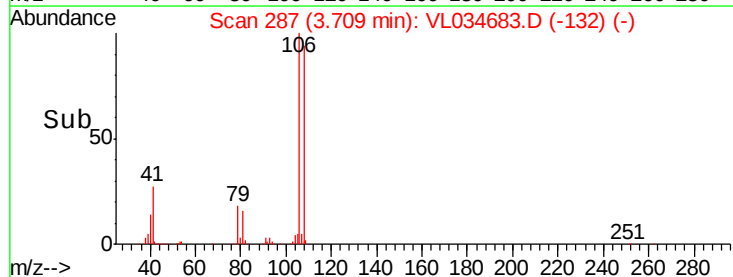
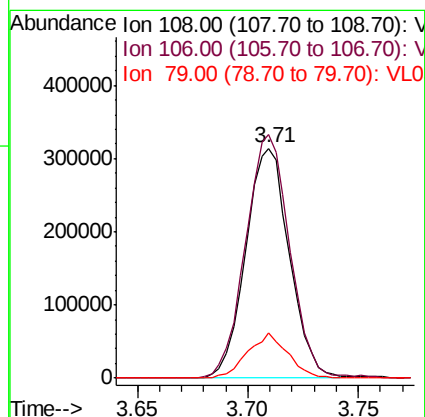
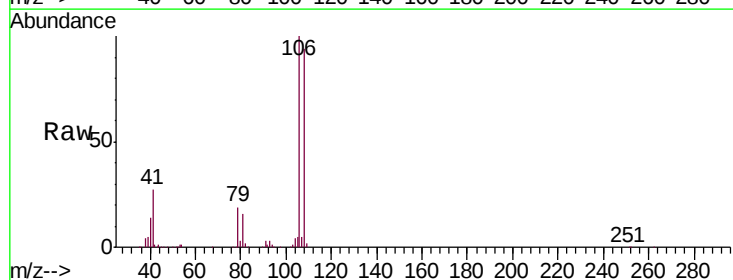
Tgt Ion: 108 Resp: 431280

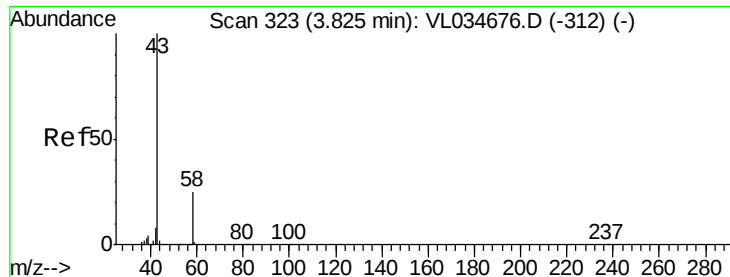
Ion Ratio Lower Upper

108 100

106 107.8 86.7 130.1

79 18.5 15.0 22.6





#15

Acetone

Concen: 8.367 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.00 min

Lab File: VL034683.D

Acq: 26 Feb 2020 6:57

Instrument :

MSVOA_L

ClientSampleId :

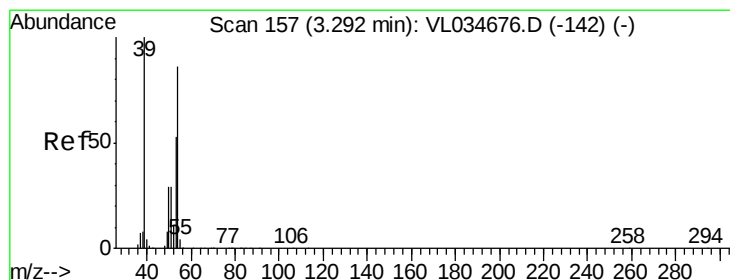
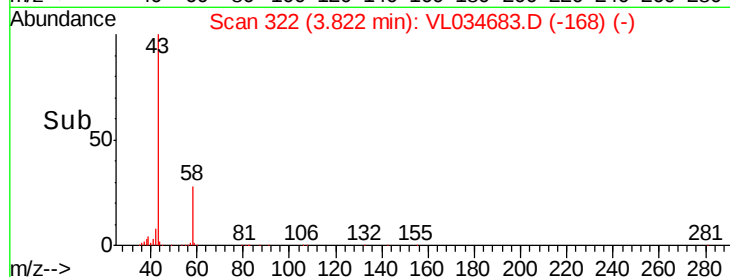
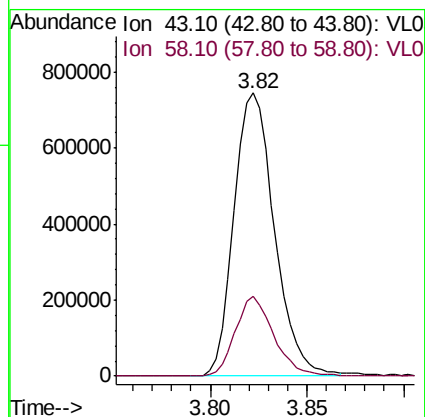
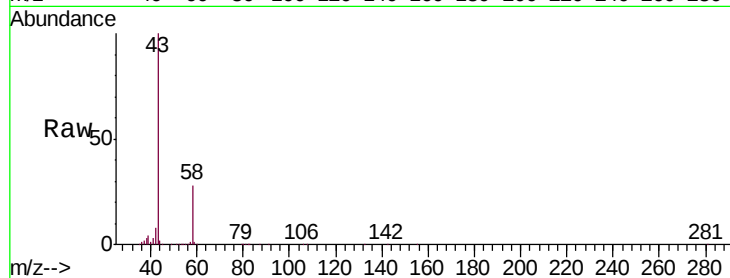
ICVVL022620

Tgt Ion: 43 Resp: 1082411

Ion Ratio Lower Upper

43 100

58 27.0 21.4 32.0



#16

1,3-Butadiene

Concen: 9.551 ppbv

RT: 3.29 min Scan# 157

Delta R.T. -0.00 min

Lab File: VL034683.D

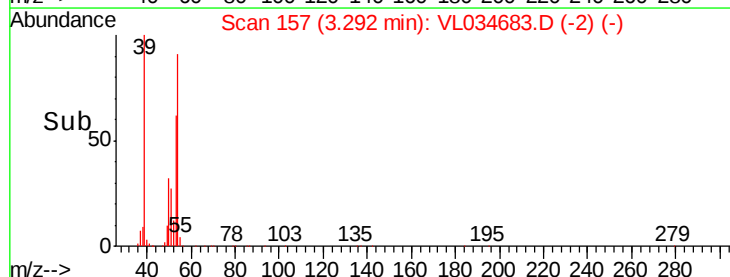
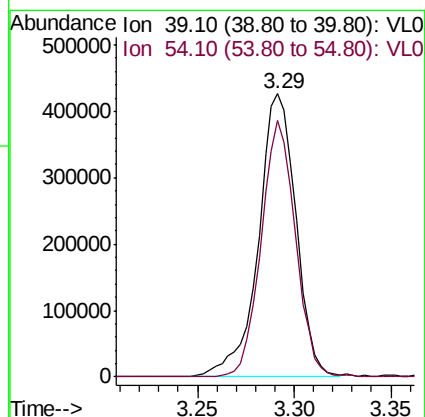
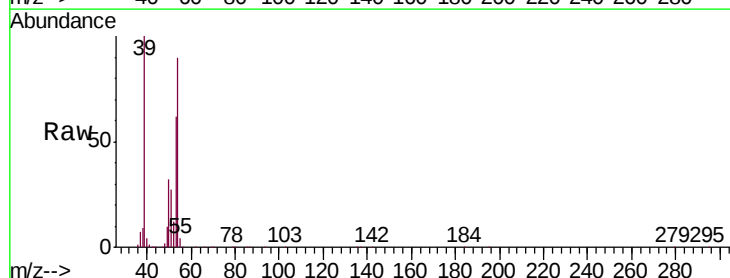
Acq: 26 Feb 2020 6:57

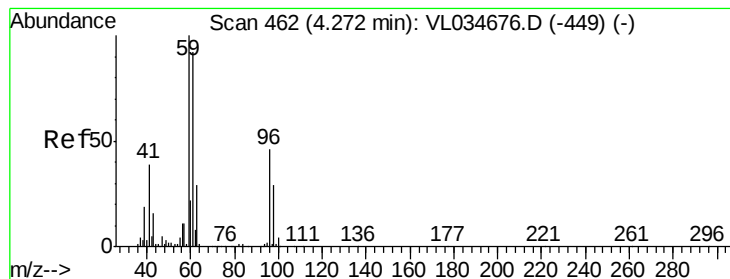
Tgt Ion: 39 Resp: 571942

Ion Ratio Lower Upper

39 100

54 83.5 67.0 100.6





#17

tert-Butyl alcohol

Concen: 9.950 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.00 min

Lab File: VL034683.D

Acq: 26 Feb 2020 6:57

Instrument :

MSVOA_L

ClientSampleId :

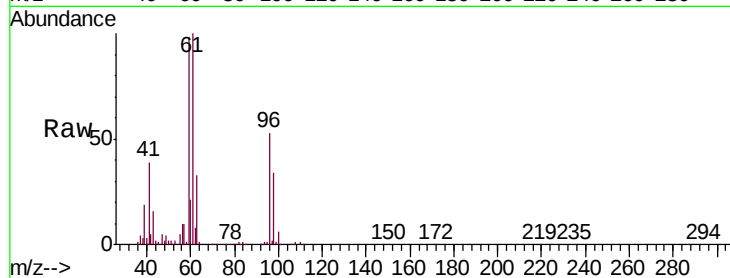
ICVVL022620

Tgt Ion: 59 Resp: 986344

Ion Ratio Lower Upper

59 100

57 10.9 8.8 13.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

500000

400000

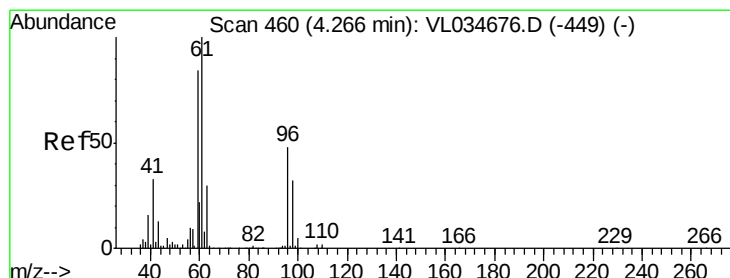
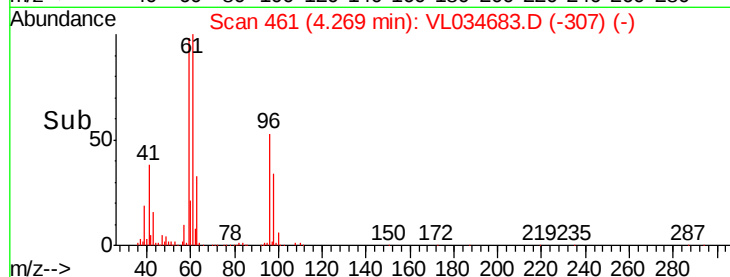
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.050 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.00 min

Lab File: VL034683.D

Acq: 26 Feb 2020 6:57

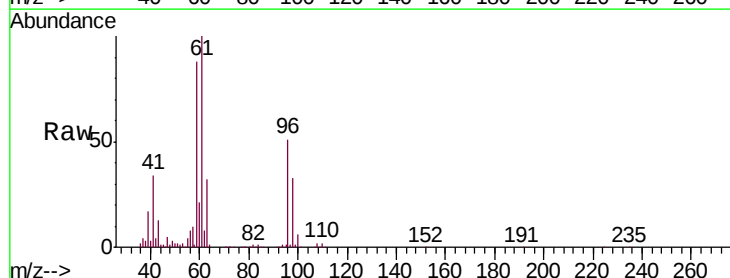
Tgt Ion: 96 Resp: 449208

Ion Ratio Lower Upper

96 100

61 196.2 165.1 247.7

98 64.8 52.7 79.1



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

800000

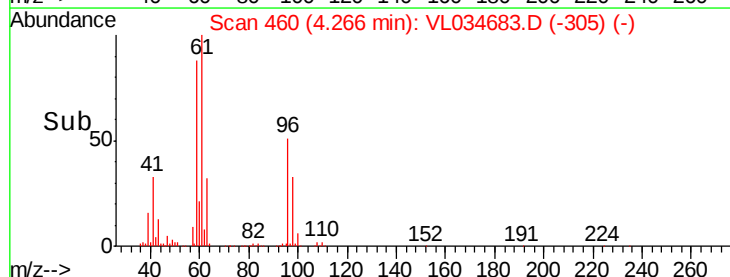
600000

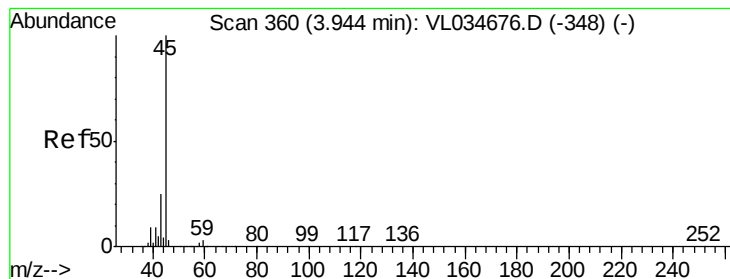
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 10.668 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL034683.D

Acq: 26 Feb 2020 6:57

Instrument :

MSVOA_L

ClientSampleId :

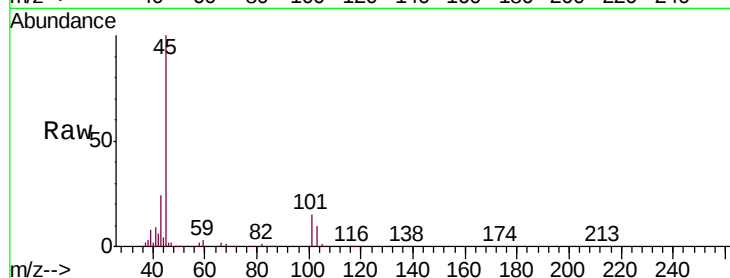
ICVVL022620

Tgt Ion: 45 Resp: 821980

Ion Ratio Lower Upper

45 100

58 2.1 1.8 2.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

500000

400000

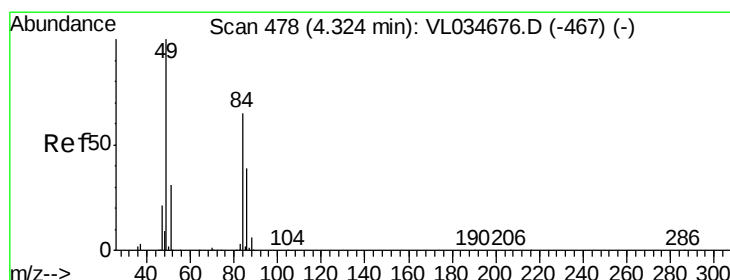
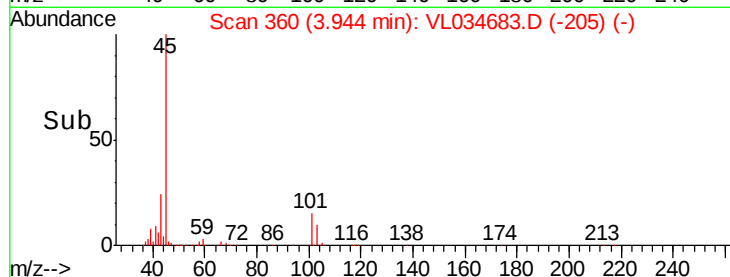
300000

200000

100000

0

Time--> 3.85 3.90 3.95 4.00



#20

Methylene Chloride

Concen: 8.155 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL034683.D

Acq: 26 Feb 2020 6:57

Tgt Ion: 84 Resp: 392322

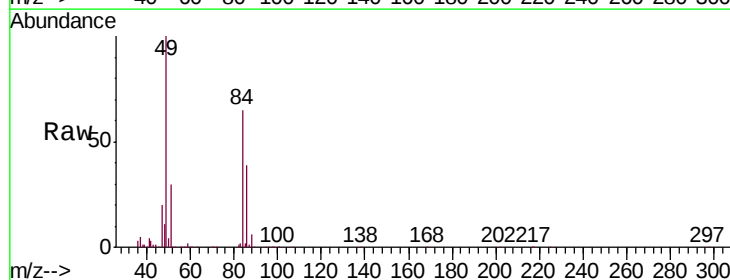
Ion Ratio Lower Upper

84 100

49 152.2 122.8 184.2

51 45.0 38.6 58.0

86 60.1 47.7 71.5



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

600000

500000

400000

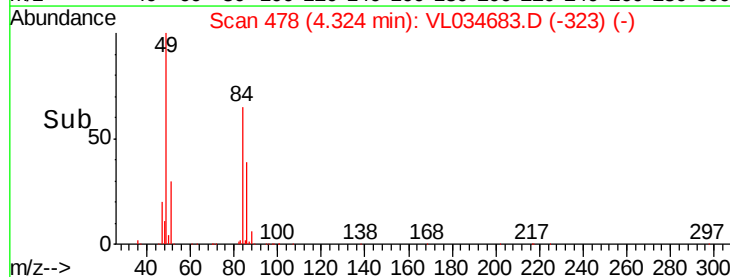
300000

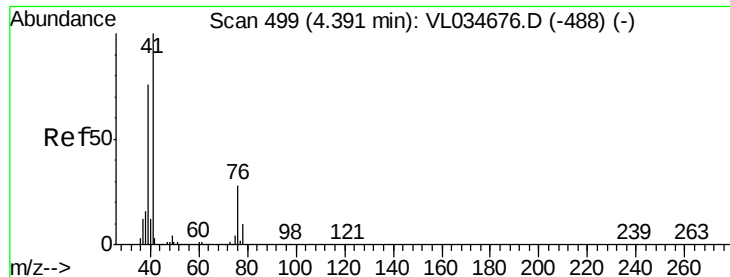
200000

100000

0

Time--> 4.25 4.30 4.35





#21

Allyl Chloride

Concen: 9.443 ppbv

RT: 4.39 min Scan# 498

Delta R.T. -0.00 min

Lab File: VL034683.D

Acq: 26 Feb 2020 6:57

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022620

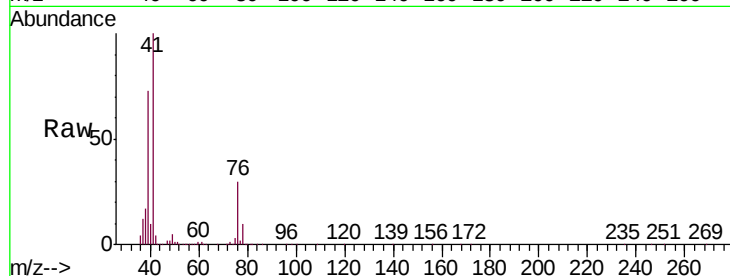
Tgt Ion: 41 Resp: 808228

Ion Ratio Lower Upper

41 100

76 28.5 22.8 34.2

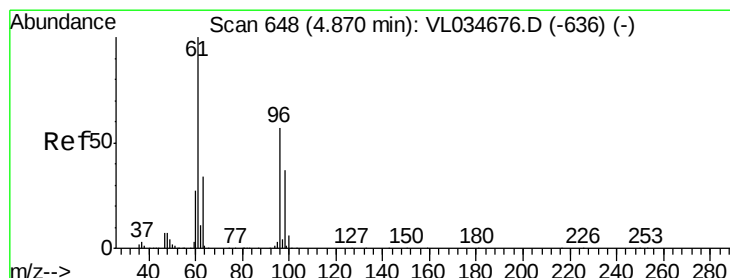
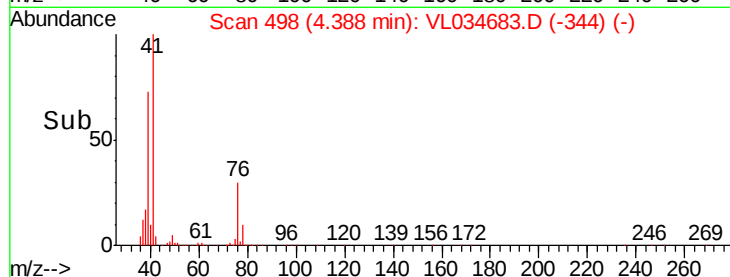
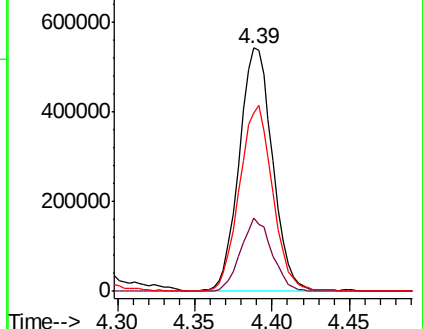
39 77.8 61.7 92.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.315 ppbv

RT: 4.87 min Scan# 648

Delta R.T. -0.00 min

Lab File: VL034683.D

Acq: 26 Feb 2020 6:57

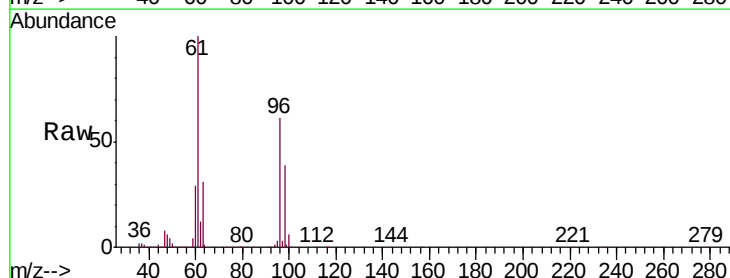
Tgt Ion: 96 Resp: 450864

Ion Ratio Lower Upper

96 100

61 163.9 139.4 209.0

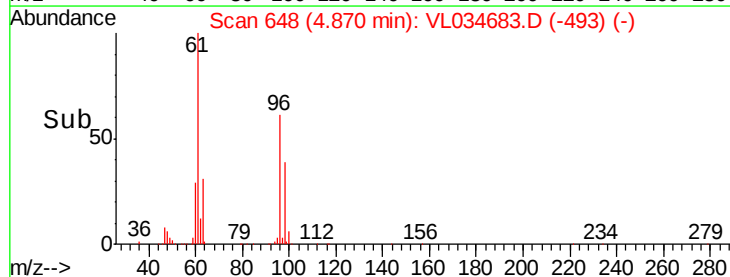
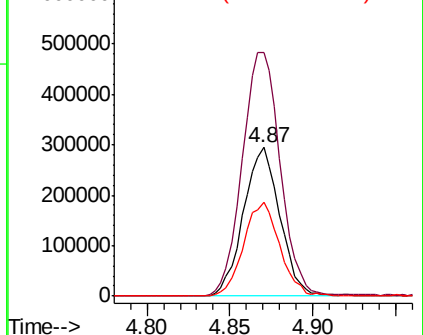
98 63.1 51.3 76.9

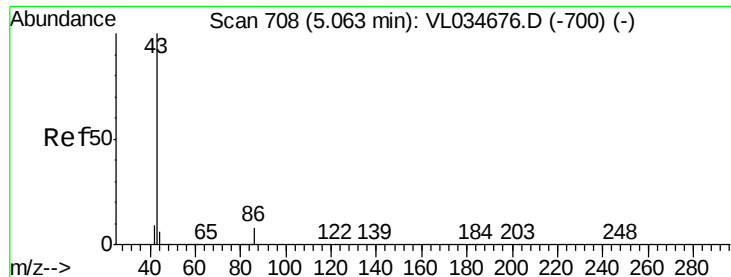


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.561 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.00 min

Lab File: VL034683.D

Acq: 26 Feb 2020 6:57

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022620

Tgt Ion: 43 Resp: 1857351

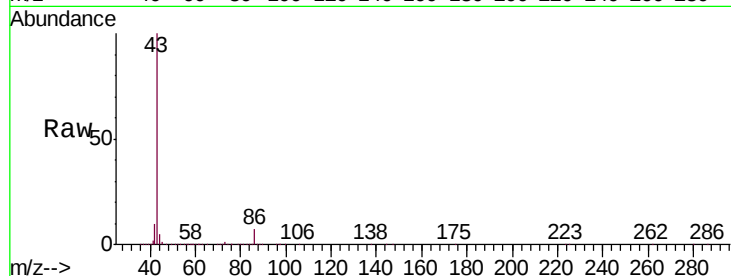
Ion Ratio Lower Upper

43 100

86 6.9 6.0 9.0

42 9.5 8.0 12.0

44 5.0 4.5 6.7

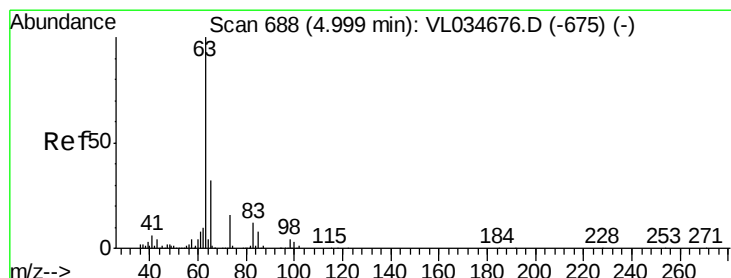
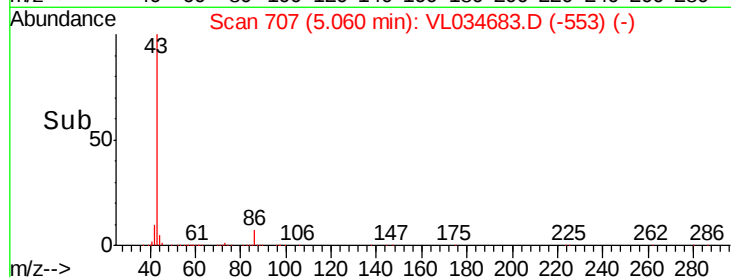
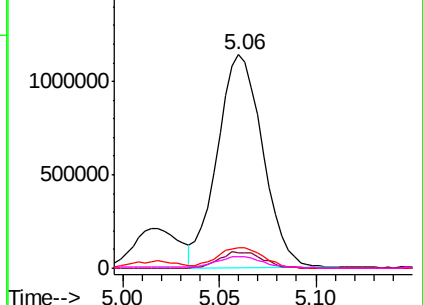


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.194 ppbv

RT: 5.00 min Scan# 687

Delta R.T. -0.00 min

Lab File: VL034683.D

Acq: 26 Feb 2020 6:57

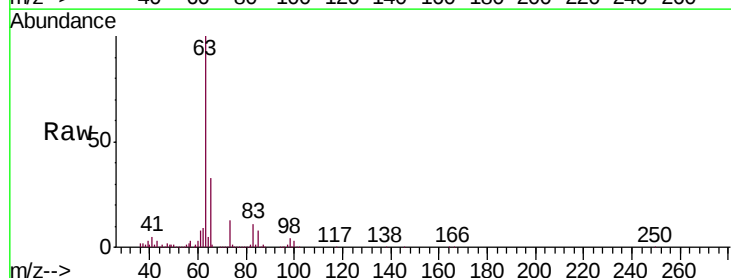
Tgt Ion: 63 Resp: 1291247

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.2

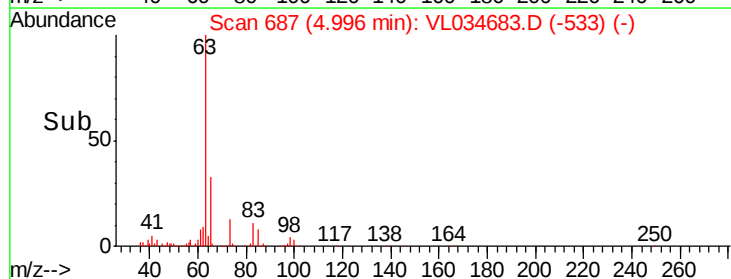
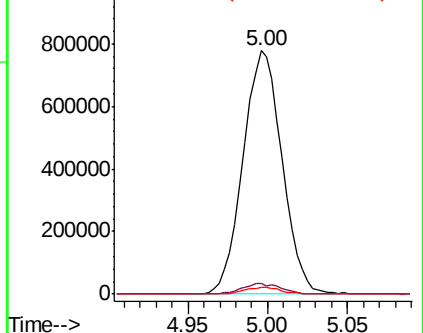
100 2.9 1.4 4.0

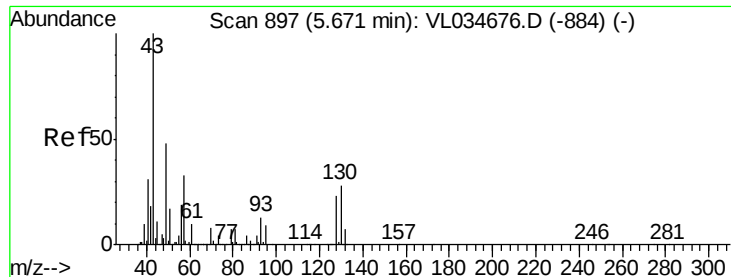


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.485 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL034683.D

Acq: 26 Feb 2020 6:57

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022620

Tgt Ion: 43 Resp: 2171959

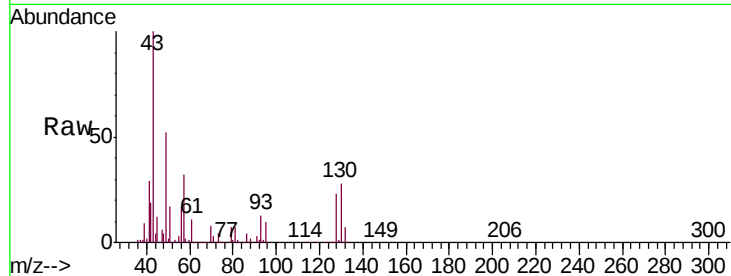
Ion Ratio Lower Upper

43 100

45 10.4 8.2 12.4

61 9.9 7.8 11.6

70 7.6 6.1 9.1

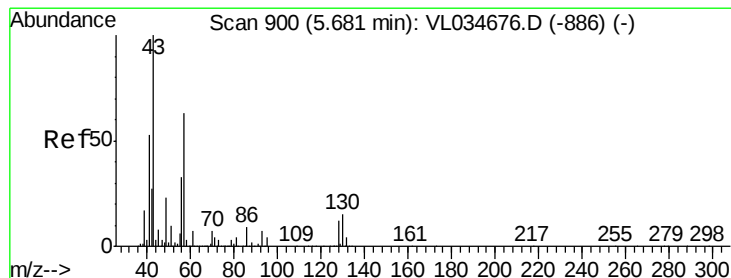
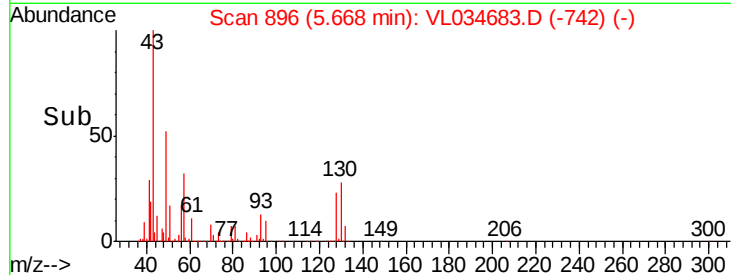
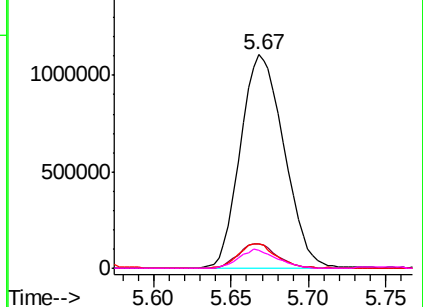


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.565 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL034683.D

Acq: 26 Feb 2020 6:57

Tgt Ion: 57 Resp: 1009543

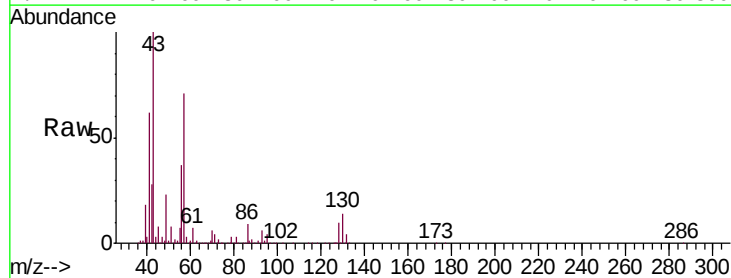
Ion Ratio Lower Upper

57 100

41 86.6 70.3 105.5

43 216.6 177.0 265.4

56 51.8 42.6 64.0

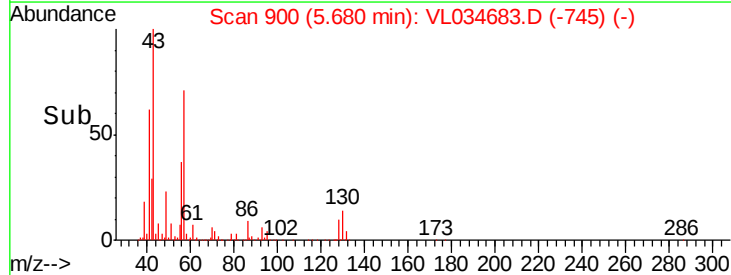
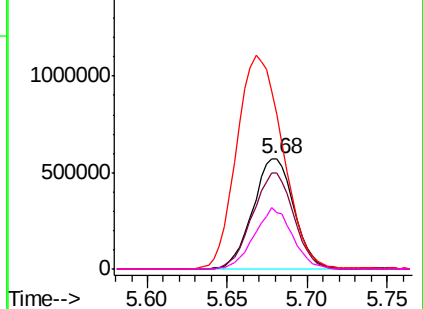


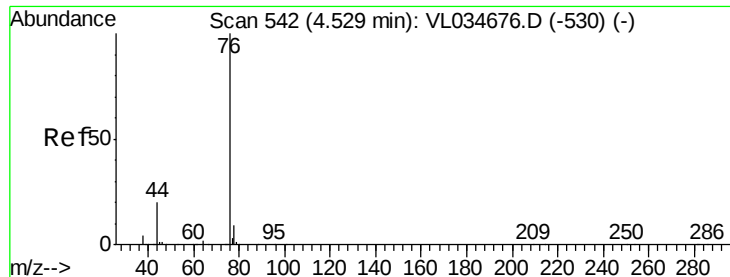
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 9.770 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.00 min

Lab File: VL034683.D

Acq: 26 Feb 2020 6:57

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022620

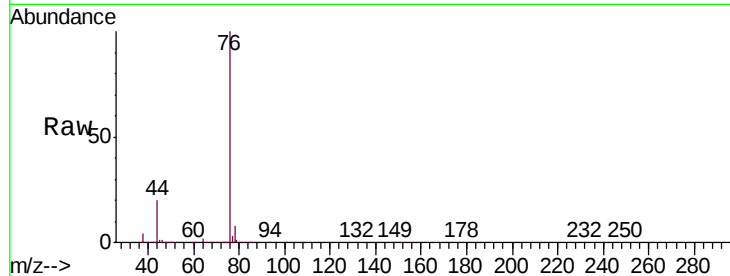
Tgt Ion: 76 Resp: 1170570

Ion Ratio Lower Upper

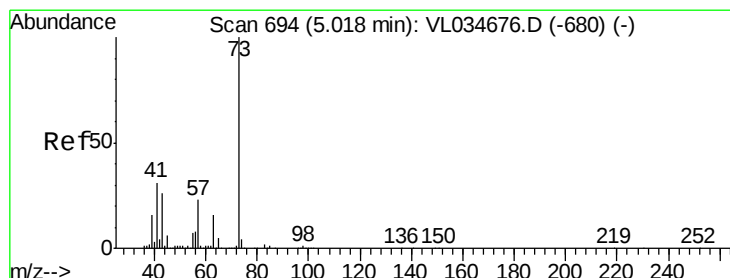
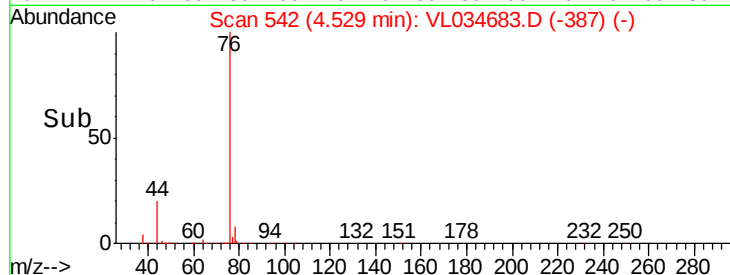
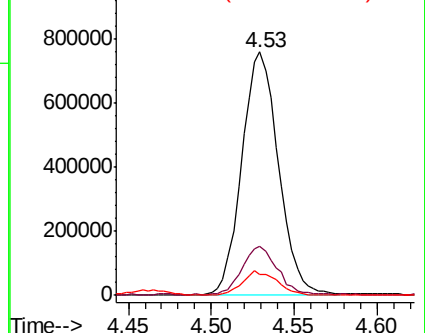
76 100

44 19.0 15.3 22.9

78 9.6 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.562 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL034683.D

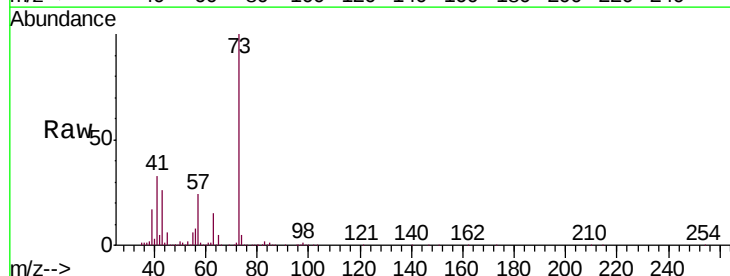
Acq: 26 Feb 2020 6:57

Tgt Ion: 73 Resp: 1441733

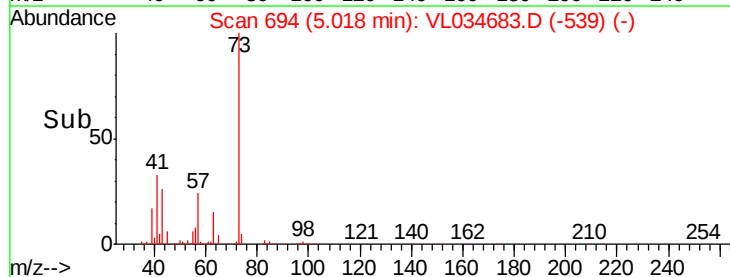
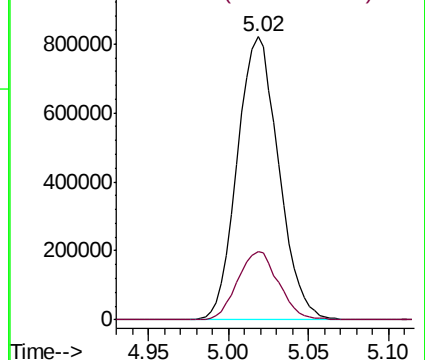
Ion Ratio Lower Upper

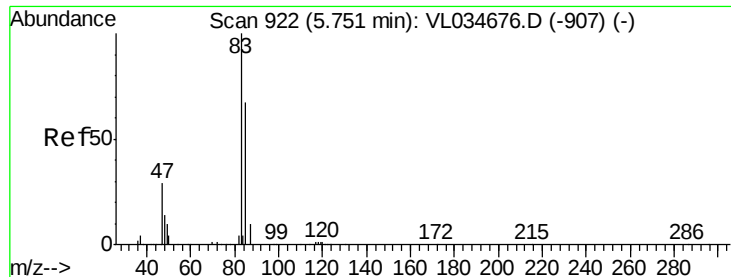
73 100

57 24.2 18.6 28.0



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

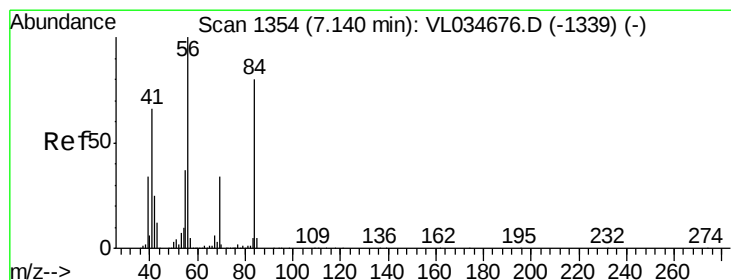
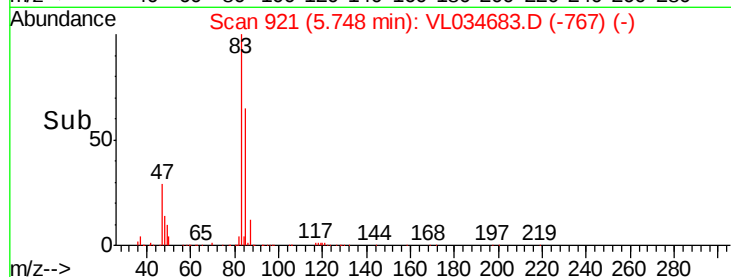
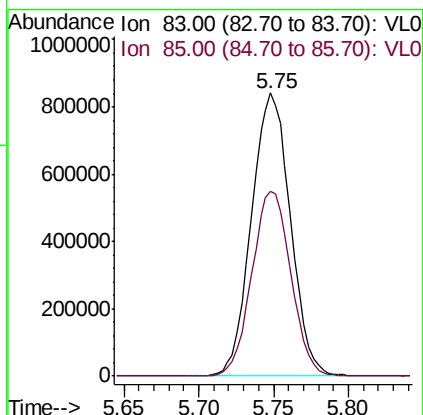
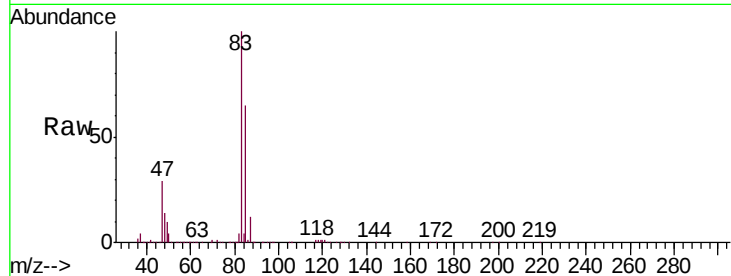




#29
Chloroform
Concen: 9.032 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL034683.D
Acq: 26 Feb 2020 6:57

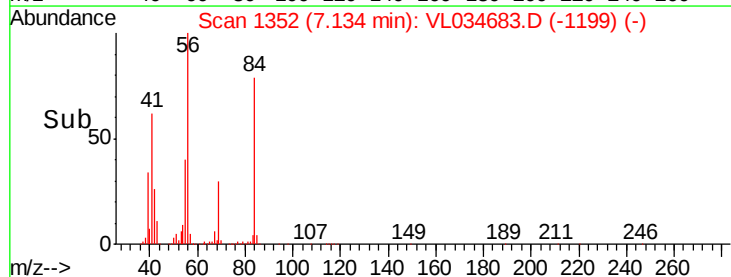
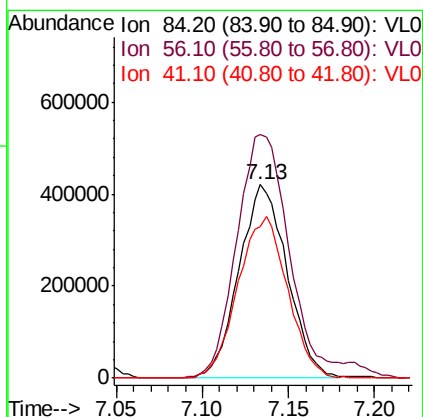
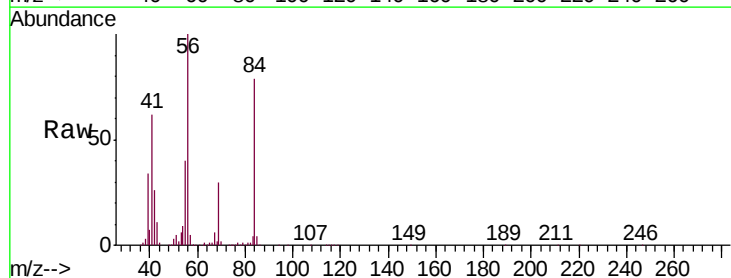
Instrument :
MSVOA_L
ClientSampleId :
ICVVL022620

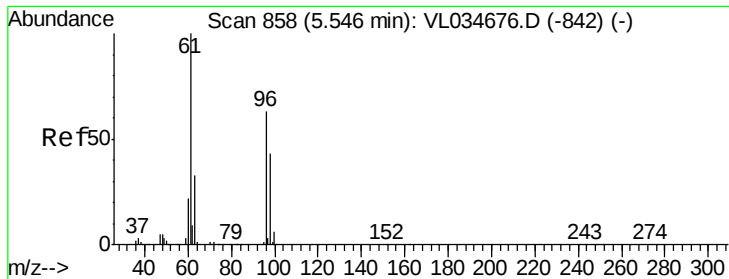
Tgt Ion: 83 Resp: 1518785
Ion Ratio Lower Upper
83 100
85 65.0 53.9 80.9



#30
Cyclohexane
Concen: 10.012 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL034683.D
Acq: 26 Feb 2020 6:57

Tgt Ion: 84 Resp: 818985
Ion Ratio Lower Upper
84 100
56 141.6 113.4 170.2
41 86.1 68.2 102.4



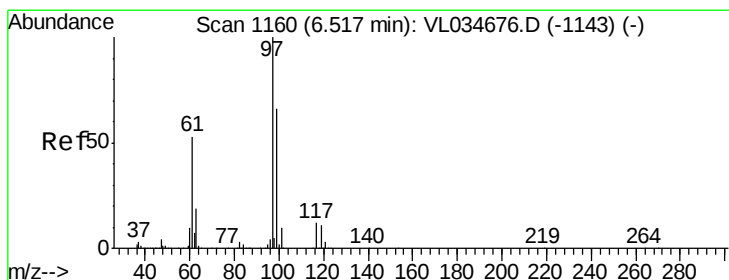
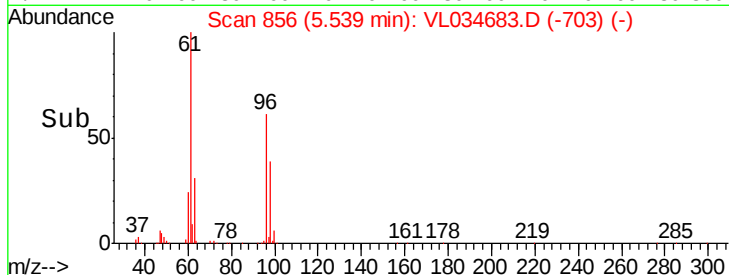
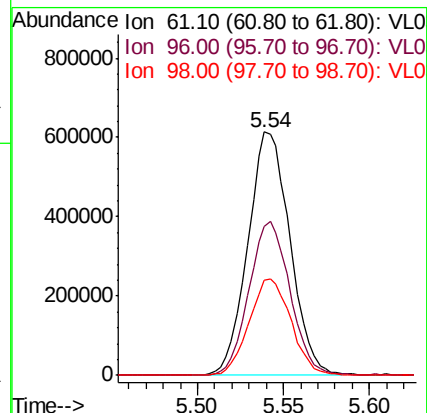
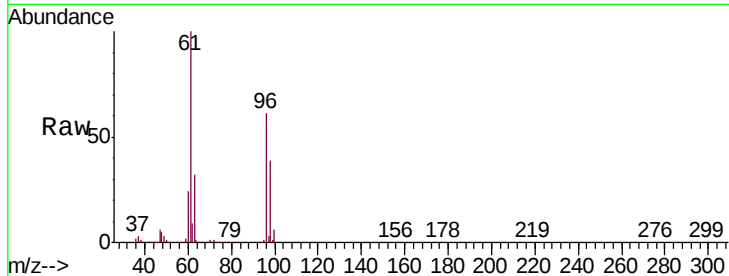


#31

cis-1,2-Dichloroethene
 Concen: 10.038 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VL034683.D
 Acq: 26 Feb 2020 6:57

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022620

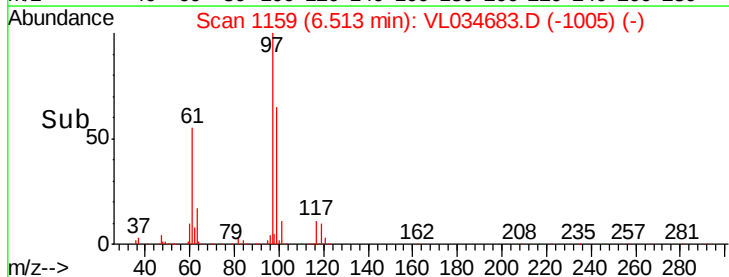
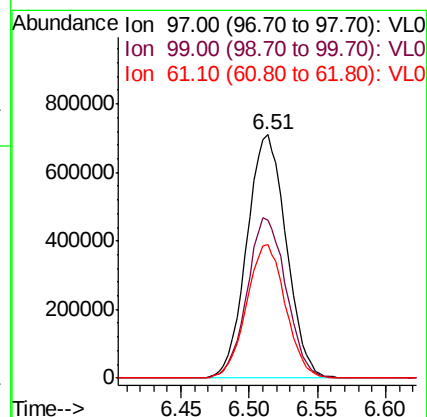
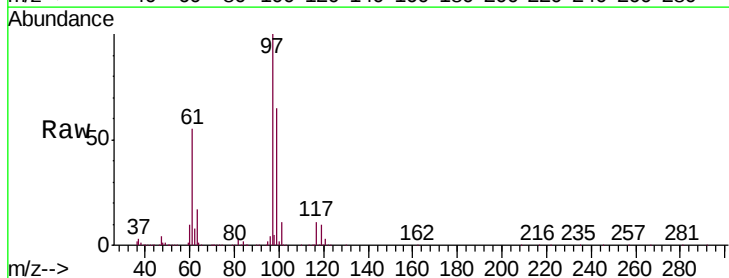
Tgt Ion: 61 Resp: 1042633
 Ion Ratio Lower Upper
 61 100
 96 61.3 50.2 75.2
 98 39.3 34.3 51.5

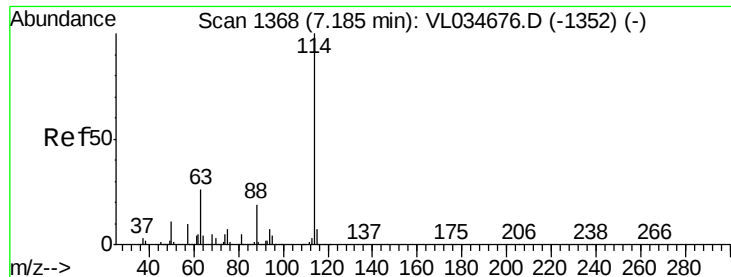


#32

1,1,1-Trichloroethane
 Concen: 9.076 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: VL034683.D
 Acq: 26 Feb 2020 6:57

Tgt Ion: 97 Resp: 1425255
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.3 78.5
 61 54.4 42.8 64.2

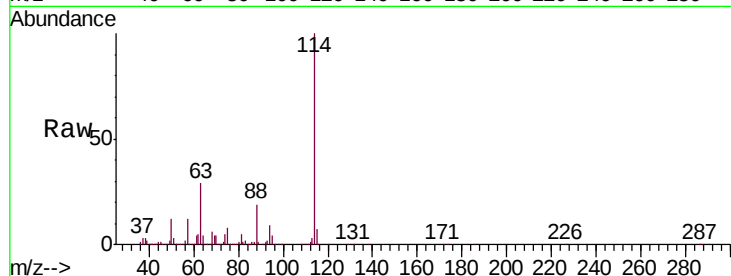




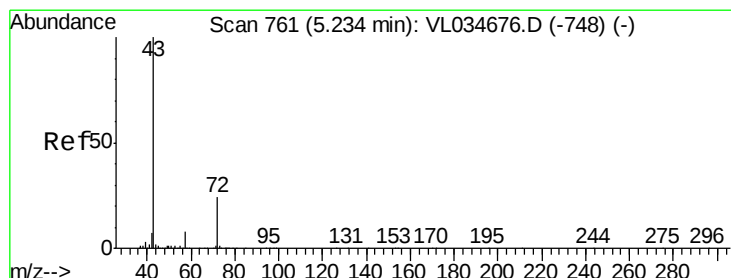
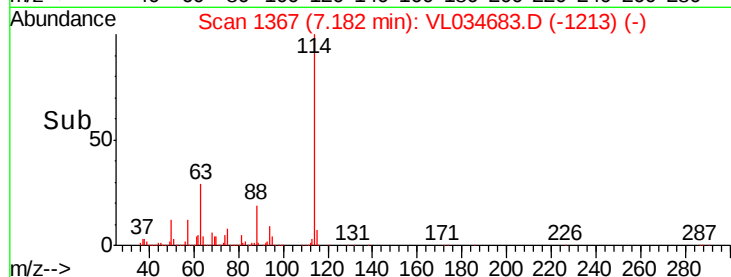
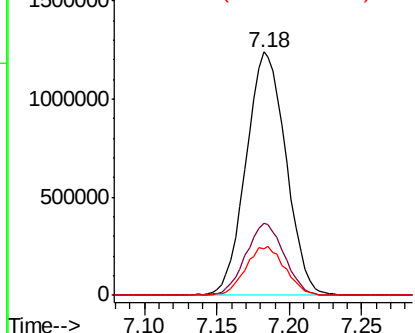
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VL034683.D
 Acq: 26 Feb 2020 6:57

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022620

Tgt Ion:114 Resp: 2375956
 Ion Ratio Lower Upper
 114 100
 63 29.0 22.9 34.3
 88 19.8 15.8 23.6

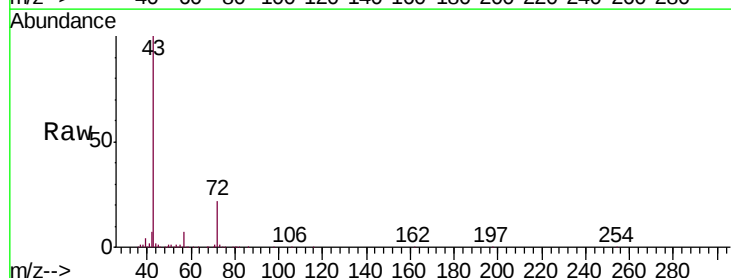


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



#34
 2-Butanone
 Concen: 9.937 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: VL034683.D
 Acq: 26 Feb 2020 6:57

Tgt Ion: 43 Resp: 1486064
 Ion Ratio Lower Upper
 43 100
 72 22.2 18.2 27.2



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

