

Data File : VL034619.D
Acq On : 18 Feb 2020 9:57
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Feb 19 06:01:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1001326	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2052325	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2177928	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1844919	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.01	85	2101813	9.530	ppbv	98
3) Chlorodifluoromethane	2.95	51	1168418	9.657	ppbv	99
4) Chloromethane	3.11	50	714321	9.649	ppbv	99
5) Vinyl Chloride	3.22	62	690296	9.762	ppbv	98
6) Bromomethane	3.44	94	364324	9.906	ppbv	96
7) Chloroethane	3.53	64	256444	9.752	ppbv	96
8) Dichlorotetrafluoroethane	3.15	85	1656945	9.612	ppbv	99
9) Propene	2.97	41	462872	9.826	ppbv	99
10) Heptane	8.13	43	1241799	10.474	ppbv	100
11) Trichlorofluoromethane	3.92	101	1978884	9.877	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1311408	10.032	ppbv	100
13) Ethanol	3.58	45	99849	7.913	ppbv	97
14) Bromoethene	3.71	108	529998	10.336	ppbv	99
15) Acetone	3.82	43	1380959	9.384	ppbv	99
16) 1,3-Butadiene	3.29	39	608839	10.418	ppbv	99
17) tert-Butyl alcohol	4.27	59	1111258	10.268	ppbv	99
18) 1,1-Dichloroethene	4.27	96	582492	10.556	ppbv	97
19) Isopropyl Alcohol	3.95	45	850110	9.899	ppbv	# 99
20) Methylene Chloride	4.32	84	512784	9.151	ppbv	94
21) Allyl Chloride	4.39	41	958732	10.490	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	605274	10.473	ppbv	94
23) Vinyl Acetate	5.06	43	1736346	10.342	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1385237	9.882	ppbv	99
25) Ethyl Acetate	5.67	43	2316790	9.724	ppbv	100
26) Hexane	5.68	57	976430	9.784	ppbv	99
27) Carbon Disulfide	4.53	76	1510138	11.215	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1765431	10.373	ppbv	99
29) Chloroform	5.75	83	1677807	9.508	ppbv	97
30) Cyclohexane	7.14	84	777575	10.515	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	1075783	10.376	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	1779003	9.389	ppbv	100
34) 2-Butanone	5.24	43	1465406	9.834	ppbv	100
35) Carbon Tetrachloride	7.03	117	1953041	9.954	ppbv	95
36) Benzene	6.90	78	1864108	10.214	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1502861	9.870	ppbv	100
38) Trichloroethene	7.85	130	809450	10.521	ppbv	98
39) 1,2-Dichloropropane	7.62	63	752216	9.942	ppbv	97
40) 1,4-Dioxane	7.84	88	299833	10.309	ppbv	95
41) Tetrahydrofuran	6.04	42	796581	10.247	ppbv	98
42) Bromodichloromethane	7.81	83	1901634	10.147	ppbv	97
43) Methyl Methacrylate	8.03	69	797785	10.868	ppbv	97

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Quant Time: Feb 19 06:01:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3331651	10.061	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1149685	11.961	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1257314	11.508	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	817117	9.971	ppbv	96
48) Dibromochloromethane	10.33	129	1620474	10.791	ppbv	100
49) Bromoform	13.07	173	1451372	11.009	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2164111	10.184	ppbv	100
51) 2-Hexanone	10.15	43	1827207	10.923	ppbv #	99
52) Tetrachloroethene	11.25	164	743995	10.147	ppbv	97
53) Toluene	9.83	91	2204224	10.994	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1264774	10.299	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1062107	9.878	ppbv	100
57) Chlorobenzene	12.18	112	1777535	9.918	ppbv	96
58) Ethyl Benzene	12.74	91	3049338	10.463	ppbv	97
59) m/p-Xylene	13.03	91	2776455	10.777	ppbv #	40
60) o-Xylene	13.73	91	2623062	10.138	ppbv	99
61) Styrene	13.56	104	1905829	11.047	ppbv	99
62) Isopropylbenzene	14.70	105	3365299	10.037	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	1799764	8.994	ppbv	99
64) n-propylbenzene	15.60	120	871237	10.100	ppbv	94
65) tert-Butylbenzene	16.78	119	3021429	9.947	ppbv	99
66) Benzyl Chloride	17.03	91	1484272	11.653	ppbv	100
67) sec-Butylbenzene	17.33	105	4117146	9.863	ppbv	99
69) p-Isopropyltoluene	17.69	119	3437258	10.141	ppbv	100
70) n-Butylbenzene	18.59	91	3575734	9.938	ppbv	100
71) 2-Chlorotoluene	15.49	91	2619180	10.291	ppbv	99
72) 4-Ethyltoluene	15.88	105	2944071	10.359	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2829955	10.190	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	2956566	9.617	ppbv	92
75) 1,3-Dichlorobenzene	17.04	146	1664433	9.403	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1654257	9.482	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1570353	9.235	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1463787	9.001	ppbv	100
79) Naphthalene	22.26	128	2494659	10.307	ppbv	99
80) Naphthalene,2-methyl-	25.01	142	1272931	13.671	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1519991	10.187	ppbv	99

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

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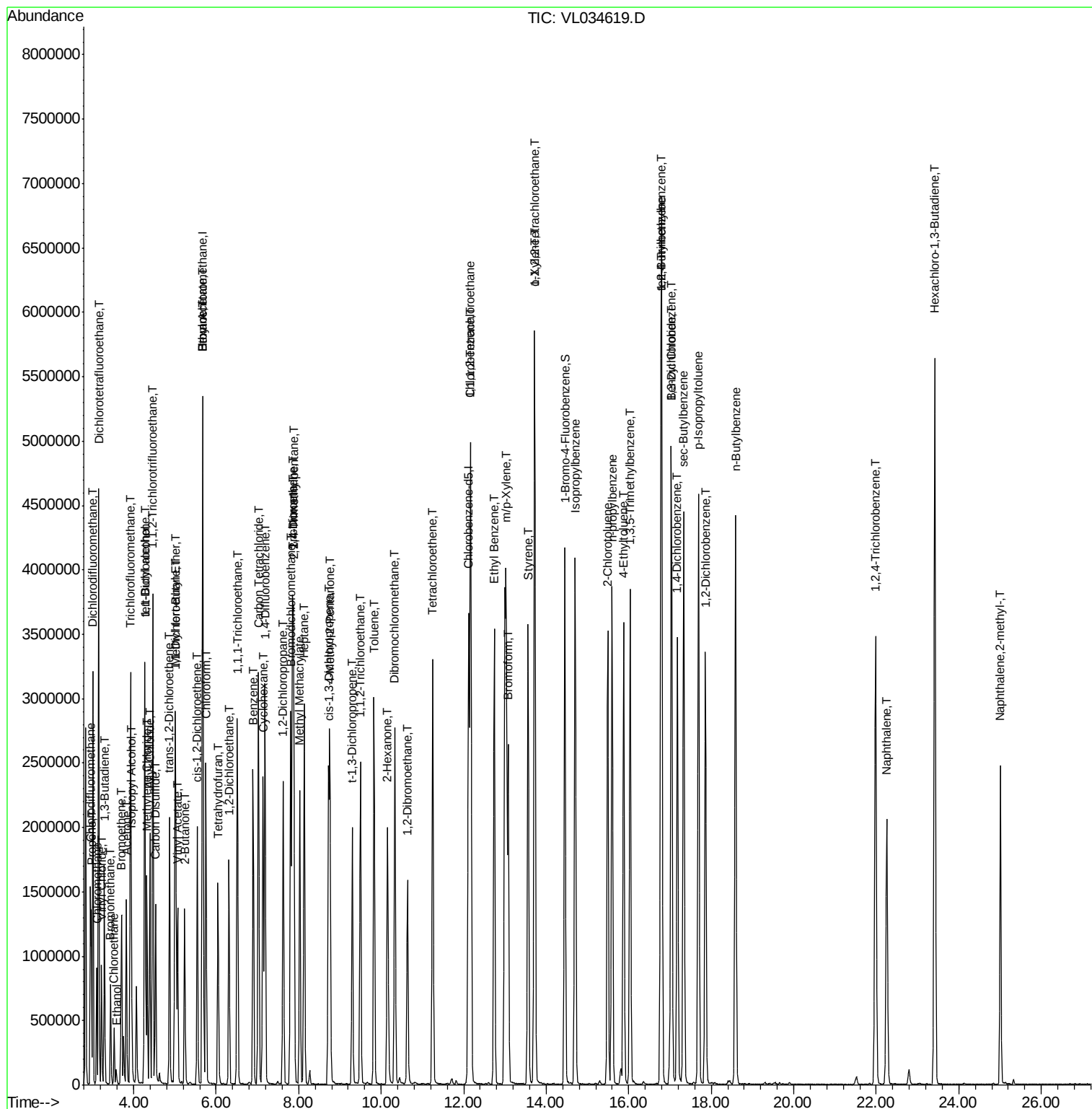
Quant Time: Feb 19 06:01:37 2020

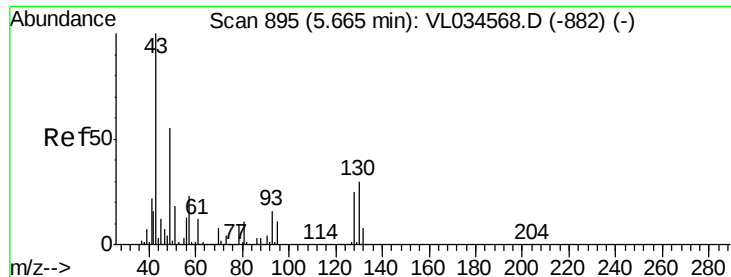
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL013020AIR.M

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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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ClientSampleId :

VSTDCCC010

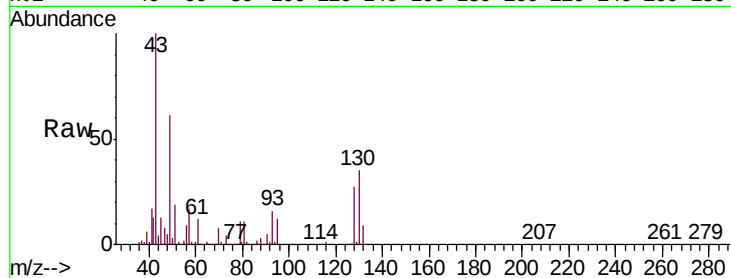
Tgt Ion: 49 Resp: 1001326

Ion Ratio Lower Upper

49 100

128 45.8 22.7 68.1

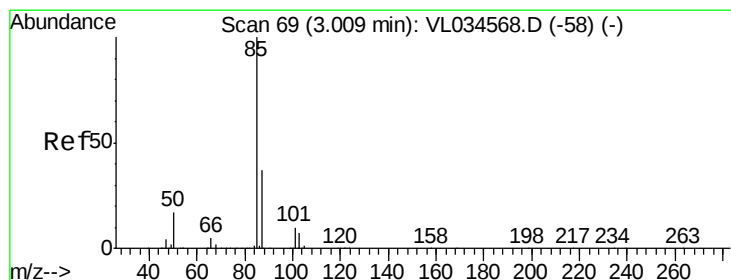
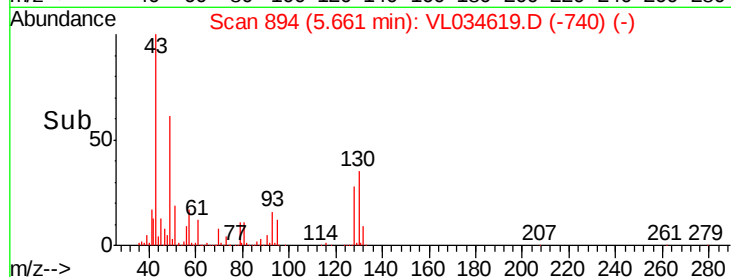
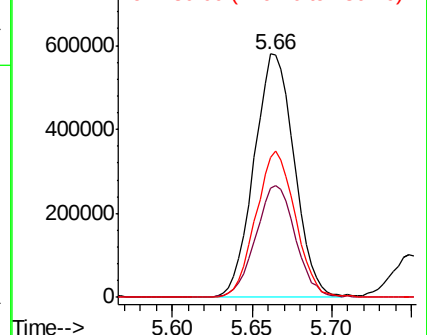
130 59.5 28.6 85.8



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: 9.530 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL034619.D

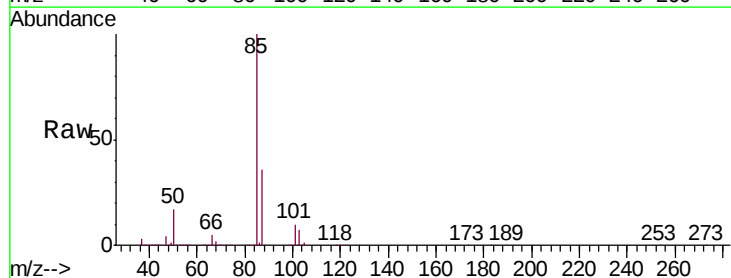
Acq: 18 Feb 2020 9:57

Tgt Ion: 85 Resp: 2101813

Ion Ratio Lower Upper

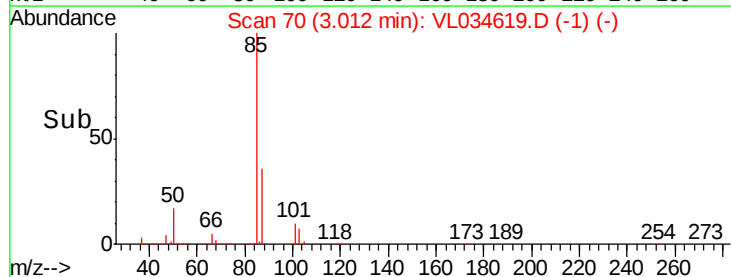
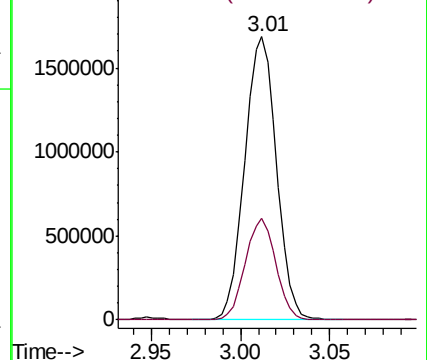
85 100

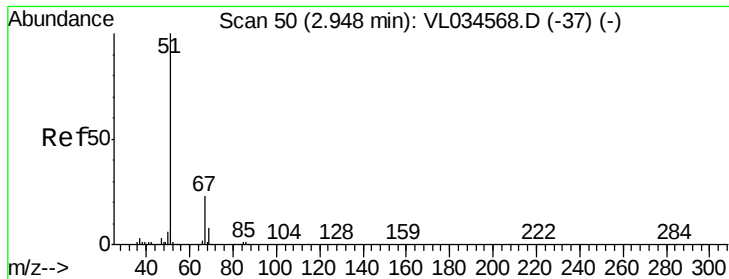
87 35.8 29.5 44.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.657 ppbv

RT: 2.95 min Scan# 51

Delta R.T. 0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

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ClientSampleId :

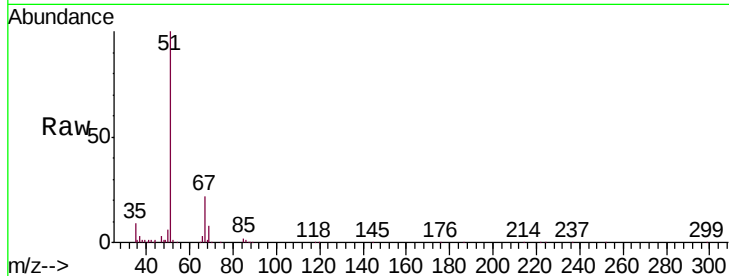
VSTDCCC010

Tgt Ion: 51 Resp: 1168418

Ion Ratio Lower Upper

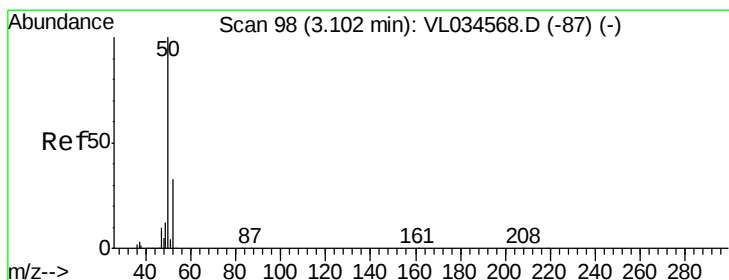
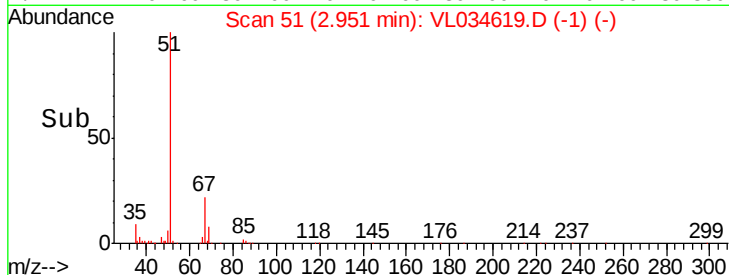
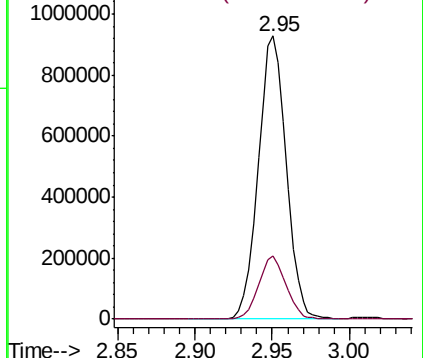
51 100

67 21.7 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.649 ppbv

RT: 3.11 min Scan# 99

Delta R.T. 0.00 min

Lab File: VL034619.D

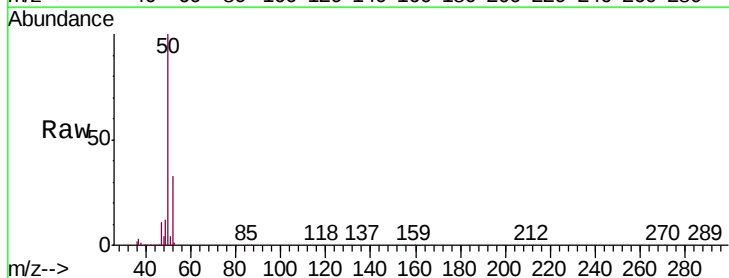
Acq: 18 Feb 2020 9:57

Tgt Ion: 50 Resp: 714321

Ion Ratio Lower Upper

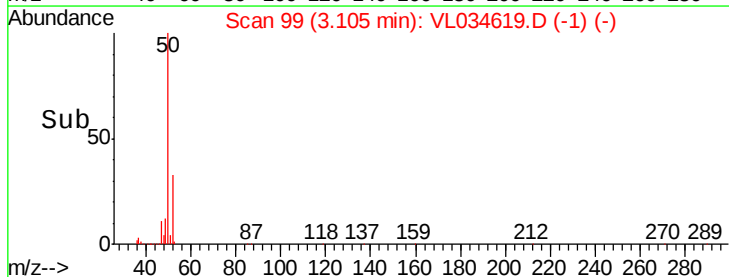
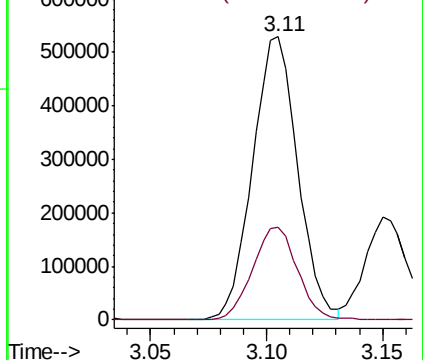
50 100

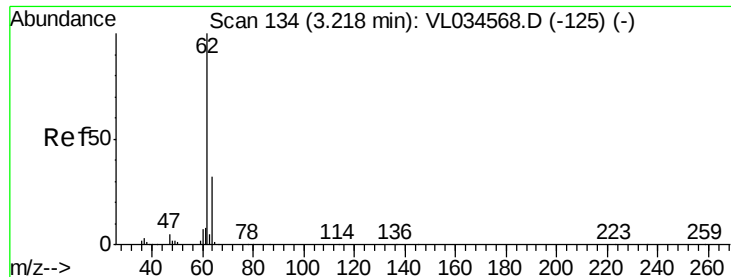
52 32.6 26.6 39.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.762 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

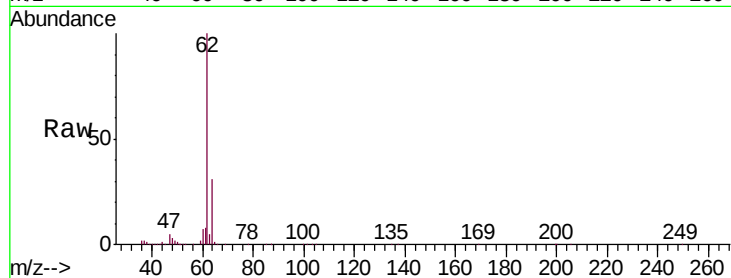
VSTDCCC010

Tgt Ion: 62 Resp: 690296

Ion Ratio Lower Upper

62 100

64 30.9 25.8 38.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

600000

500000

400000

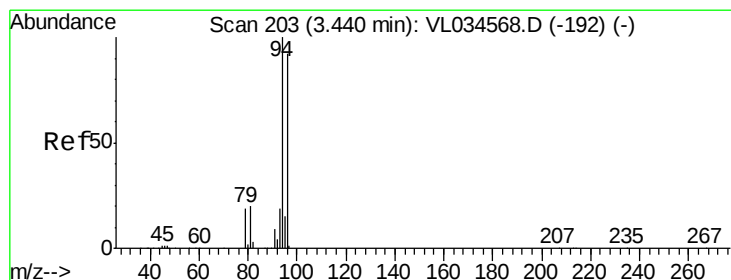
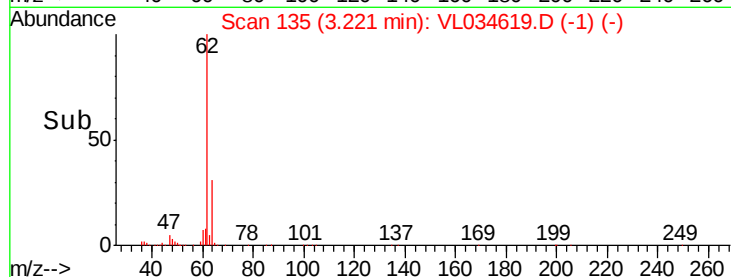
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.906 ppbv

RT: 3.44 min Scan# 203

Delta R.T. -0.00 min

Lab File: VL034619.D

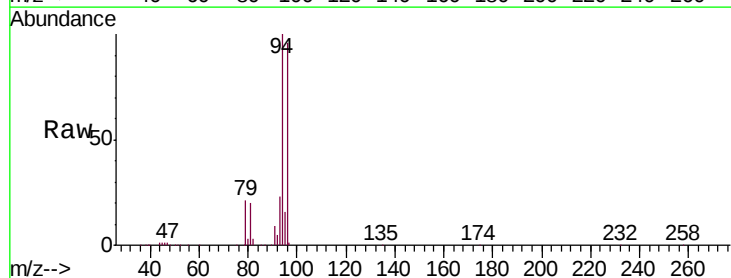
Acq: 18 Feb 2020 9:57

Tgt Ion: 94 Resp: 364324

Ion Ratio Lower Upper

94 100

96 96.3 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

300000

250000

200000

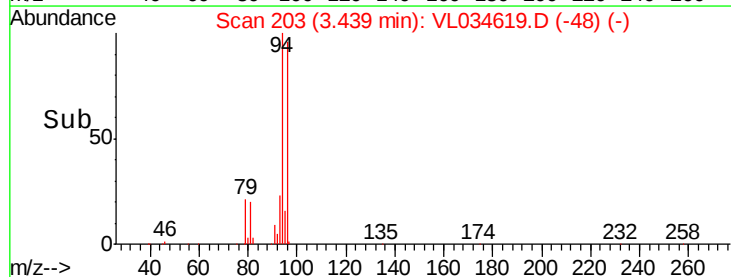
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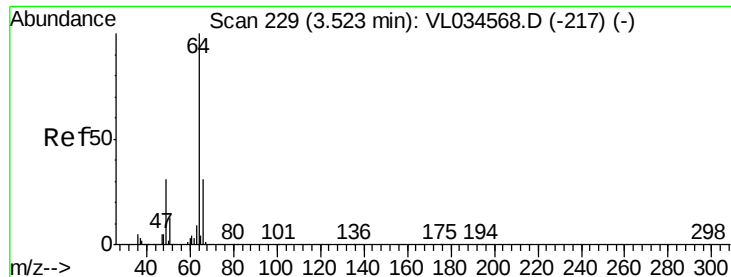
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.752 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

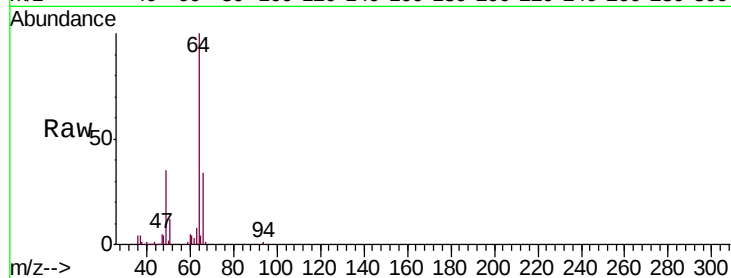
VSTDCCC010

Tgt Ion: 64 Resp: 256444

Ion Ratio Lower Upper

64 100

66 33.5 25.0 37.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.53

200000

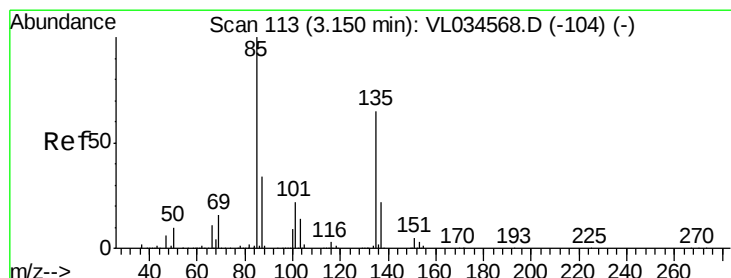
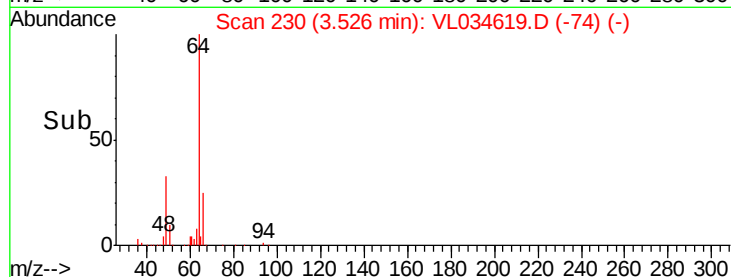
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.612 ppbv

RT: 3.15 min Scan# 113

Delta R.T. -0.00 min

Lab File: VL034619.D

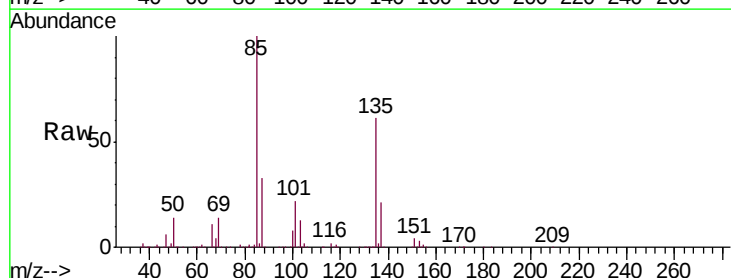
Acq: 18 Feb 2020 9:57

Tgt Ion: 85 Resp: 1656945

Ion Ratio Lower Upper

85 100

135 64.3 52.2 78.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

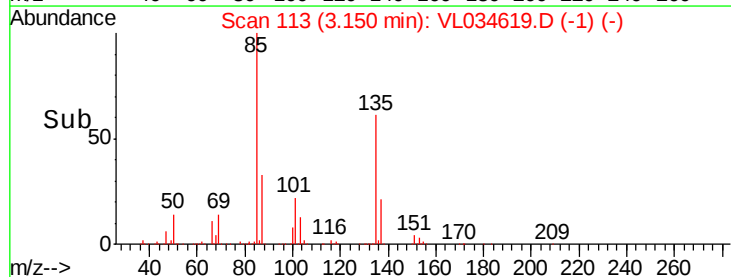
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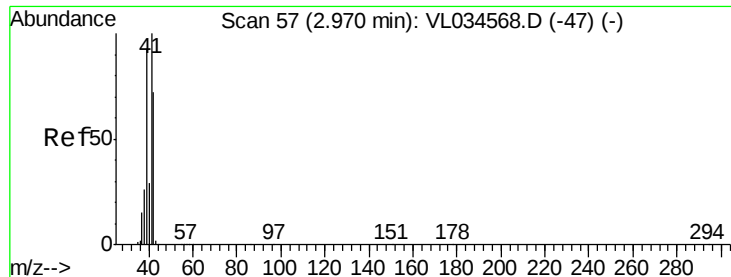
1000000

500000

0

Time-->





#9

Propene

Concen: 9.826 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

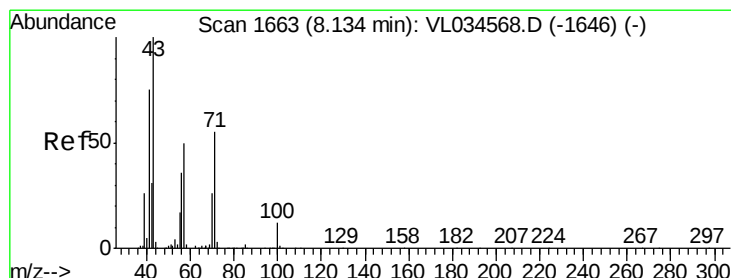
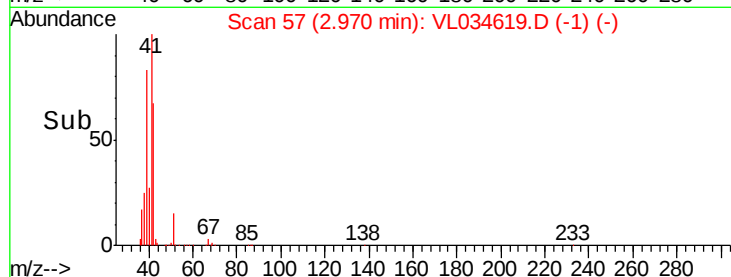
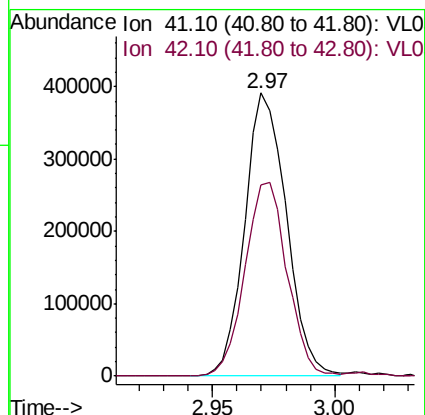
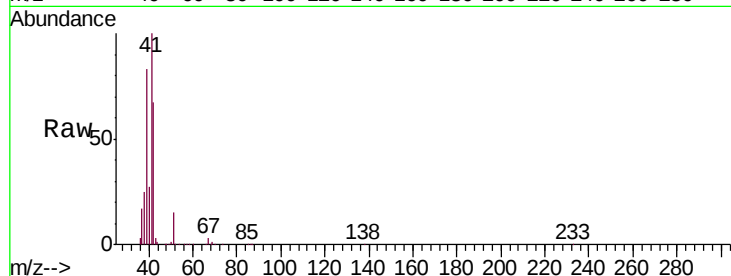
VSTDCCC010

Tgt Ion: 41 Resp: 462872

Ion Ratio Lower Upper

41 100

42 70.1 57.0 85.4



#10

Heptane

Concen: 10.474 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VL034619.D

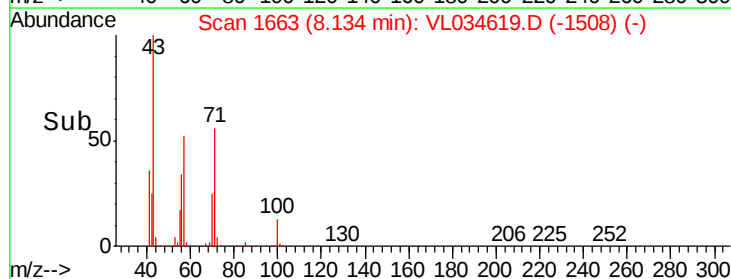
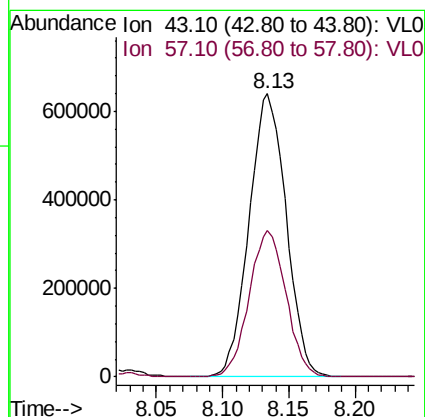
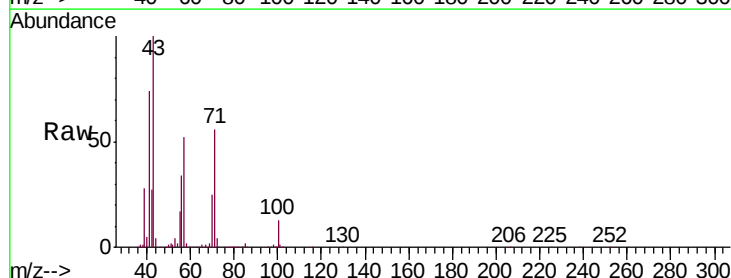
Acq: 18 Feb 2020 9:57

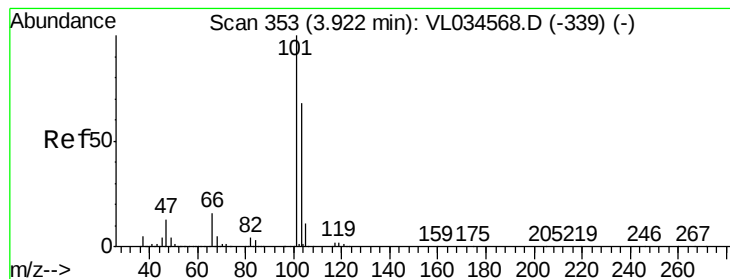
Tgt Ion: 43 Resp: 1241799

Ion Ratio Lower Upper

43 100

57 51.8 41.2 61.8





#11

Trichlorofluoromethane

Concen: 9.877 ppbv

RT: 3.92 min Scan# 353

Delta R.T. -0.00 min

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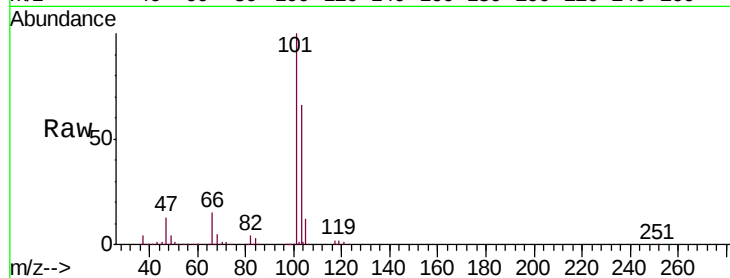
VSTDCCC010

Tgt Ion:101 Resp: 1978884

Ion Ratio Lower Upper

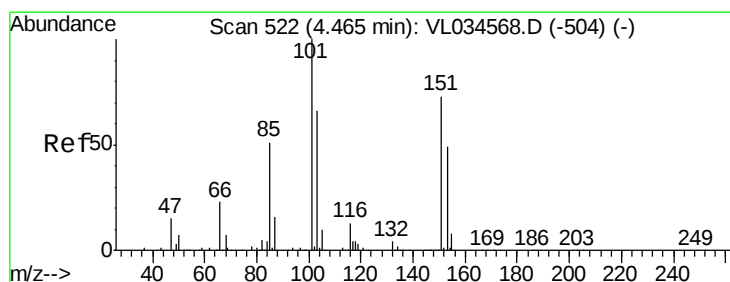
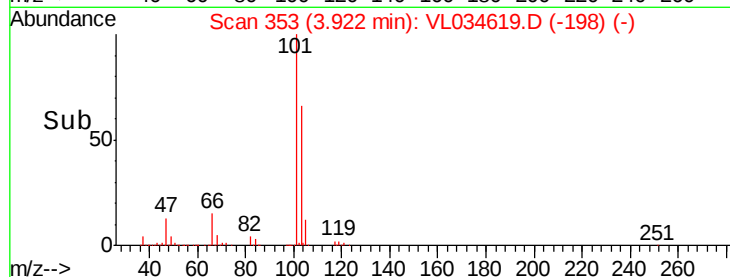
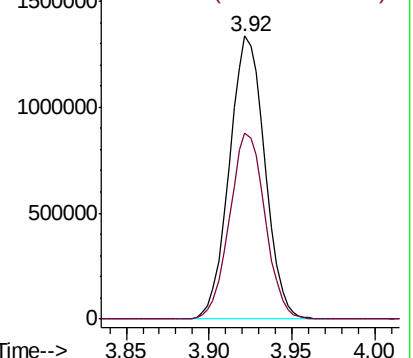
101 100

103 65.6 54.4 81.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.032 ppbv

RT: 4.46 min Scan# 521

Delta R.T. -0.00 min

Lab File: VL034619.D

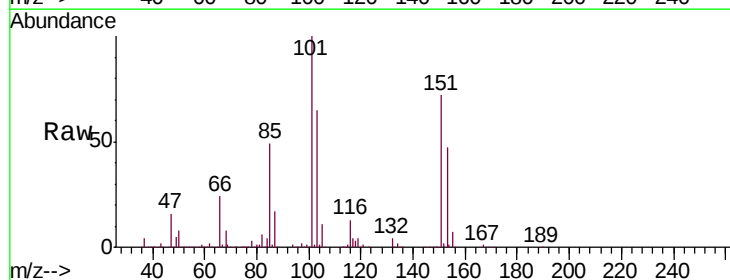
Acq: 18 Feb 2020 9:57

Tgt Ion:101 Resp: 1311408

Ion Ratio Lower Upper

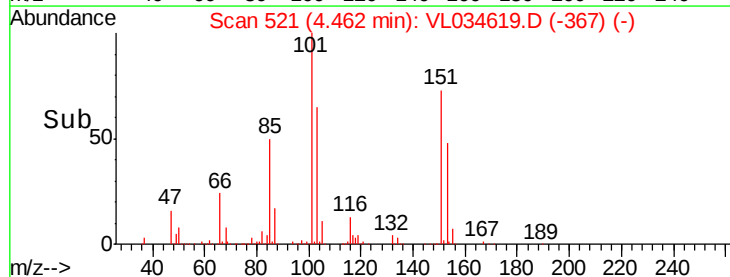
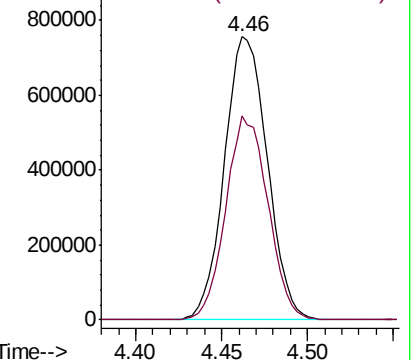
101 100

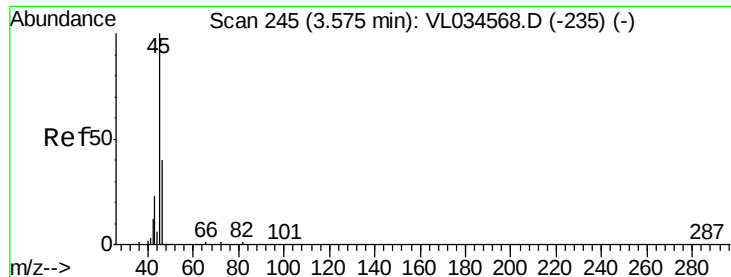
151 71.0 57.0 85.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 7.913 ppbv

RT: 3.58 min Scan# 246

Delta R.T. 0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

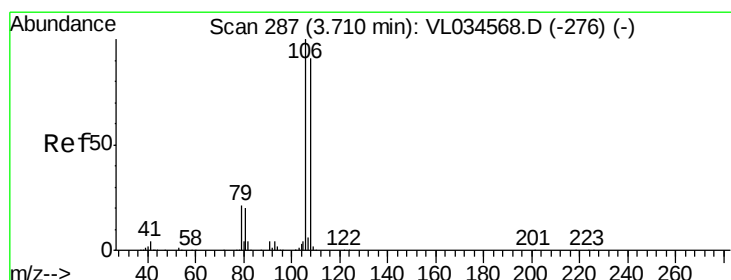
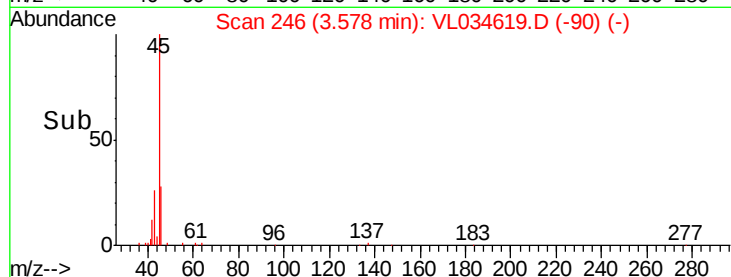
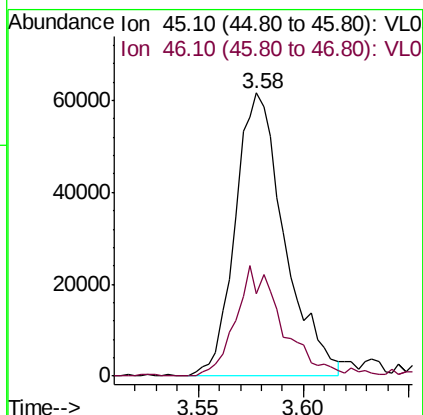
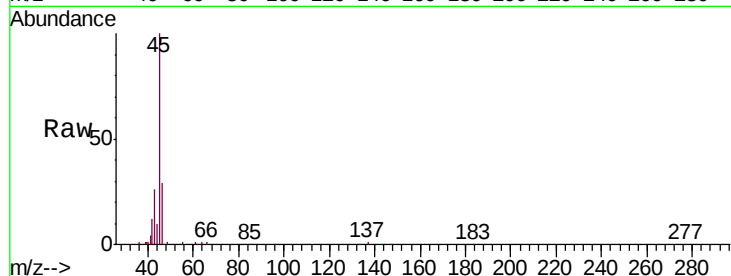
VSTDCCC010

Tgt Ion: 45 Resp: 99849

Ion Ratio Lower Upper

45 100

46 39.1 14.8 59.2



#14

Bromoethene

Concen: 10.336 ppbv

RT: 3.71 min Scan# 287

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

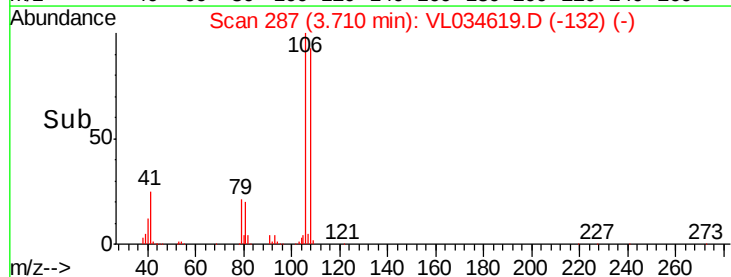
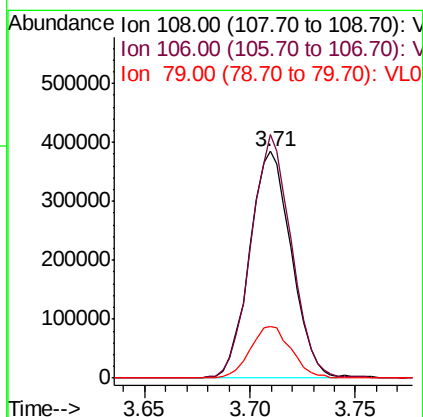
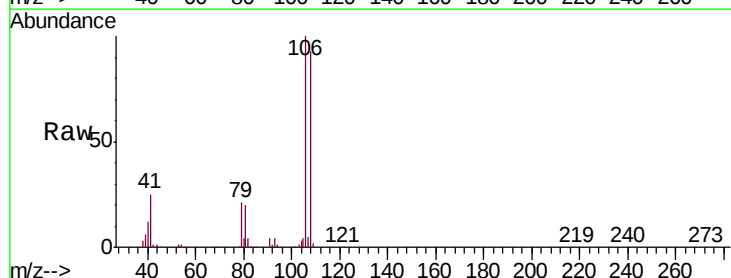
Tgt Ion: 108 Resp: 529998

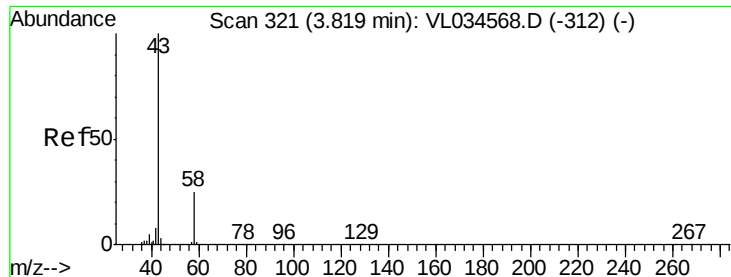
Ion Ratio Lower Upper

108 100

106 104.4 84.6 127.0

79 22.6 18.2 27.2





#15

Acetone

Concen: 9.384 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

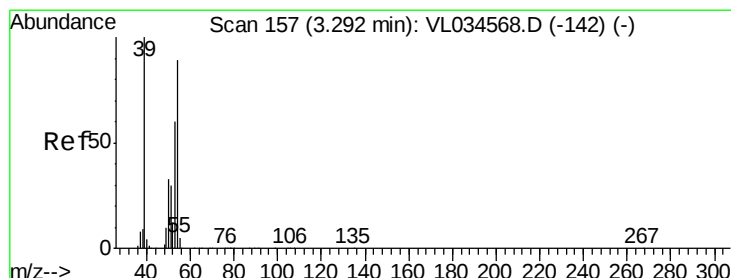
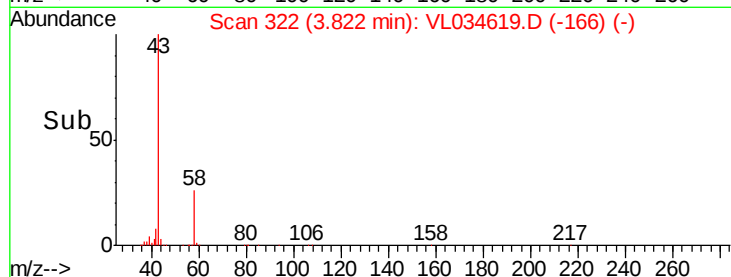
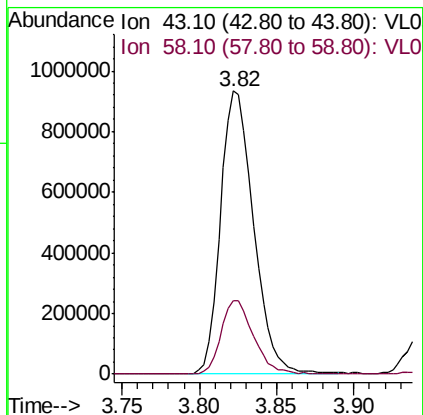
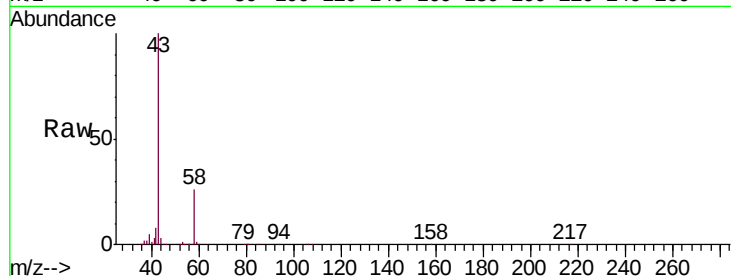
VSTDCCC010

Tgt Ion: 43 Resp: 1380959

Ion Ratio Lower Upper

43 100

58 25.7 20.3 30.5



#16

1,3-Butadiene

Concen: 10.418 ppbv

RT: 3.29 min Scan# 157

Delta R.T. -0.00 min

Lab File: VL034619.D

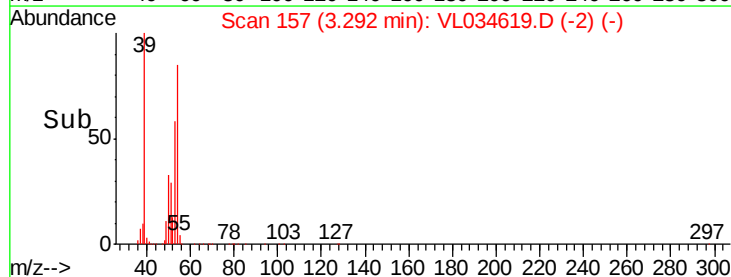
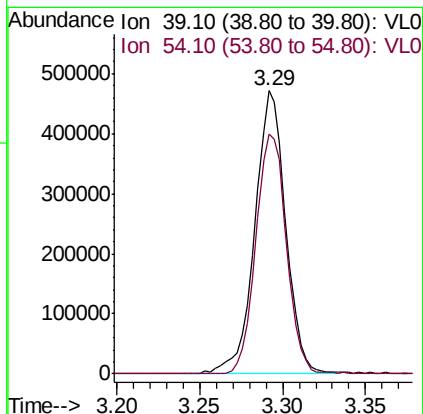
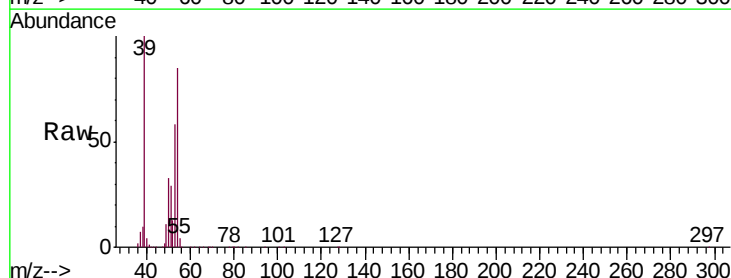
Acq: 18 Feb 2020 9:57

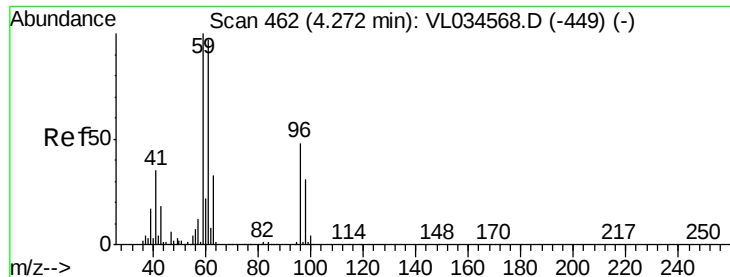
Tgt Ion: 39 Resp: 608839

Ion Ratio Lower Upper

39 100

54 84.1 66.7 100.1





#17

tert-Butyl alcohol

Concen: 10.268 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

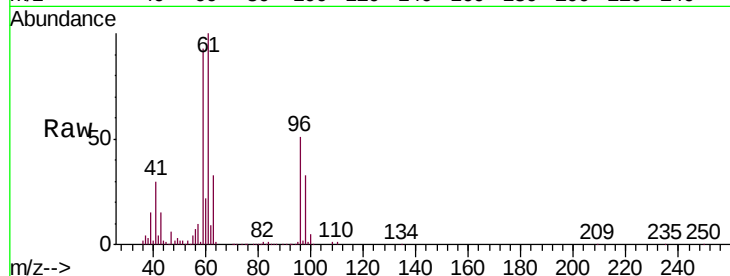
VSTDCCC010

Tgt Ion: 59 Resp: 1111258

Ion Ratio Lower Upper

59 100

57 10.7 8.7 13.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

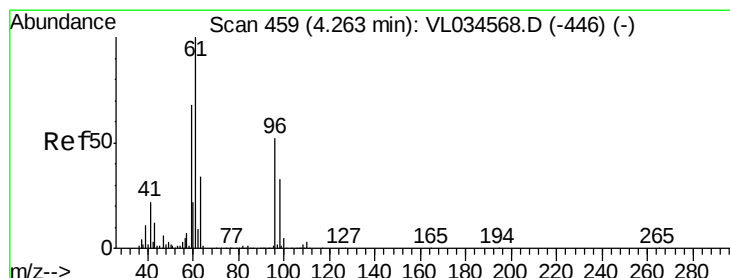
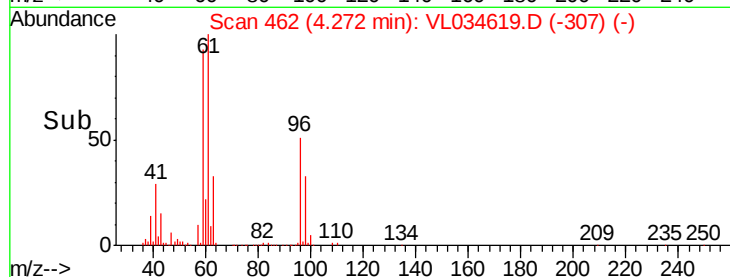
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.556 ppbv

RT: 4.27 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

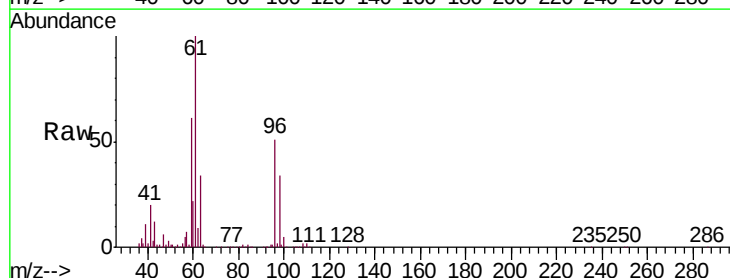
Tgt Ion: 96 Resp: 582492

Ion Ratio Lower Upper

96 100

61 197.5 154.5 231.7

98 66.5 50.3 75.5



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

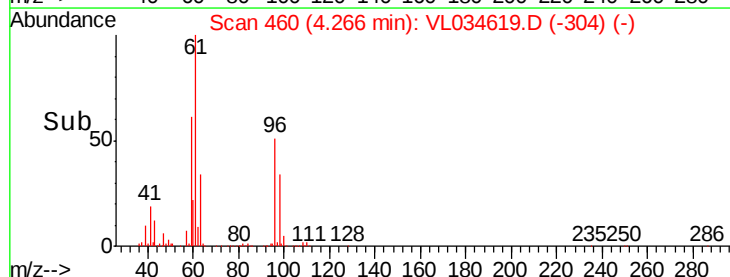
600000

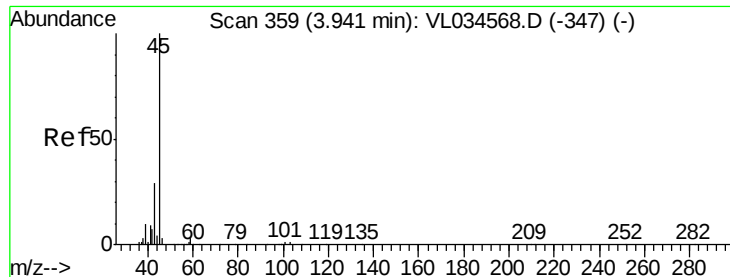
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.899 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

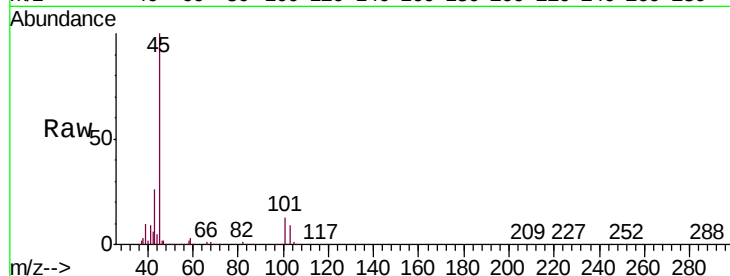
VSTDCCC010

Tgt Ion: 45 Resp: 850110

Ion Ratio Lower Upper

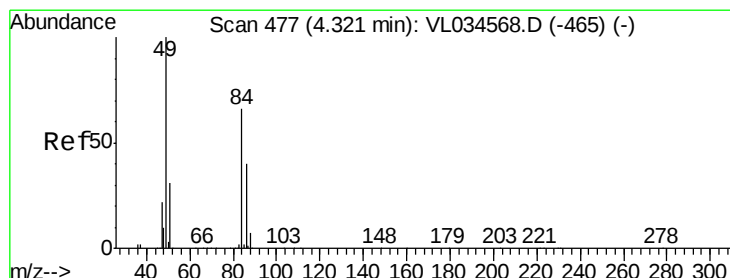
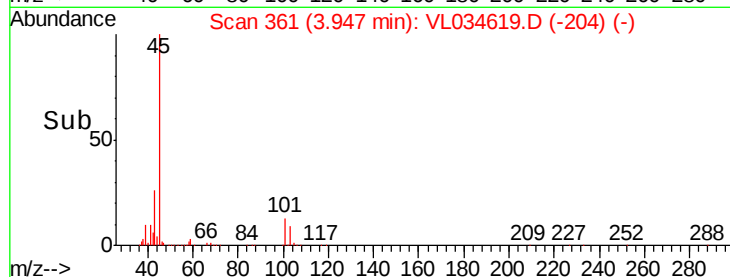
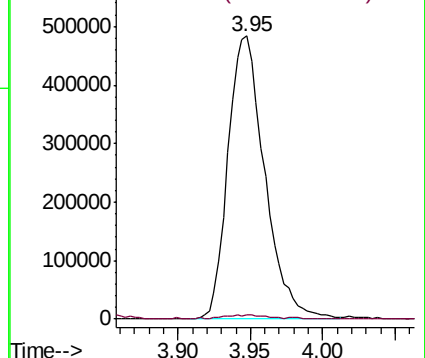
45 100

58 2.5 1.7 2.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.151 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Tgt Ion: 84 Resp: 512784

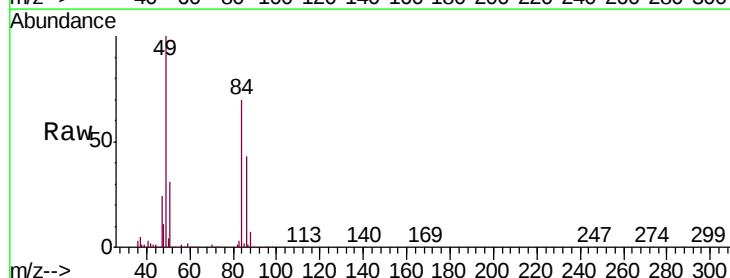
Ion Ratio Lower Upper

84 100

49 142.1 122.4 183.6

51 43.2 38.6 57.8

86 61.6 49.0 73.6

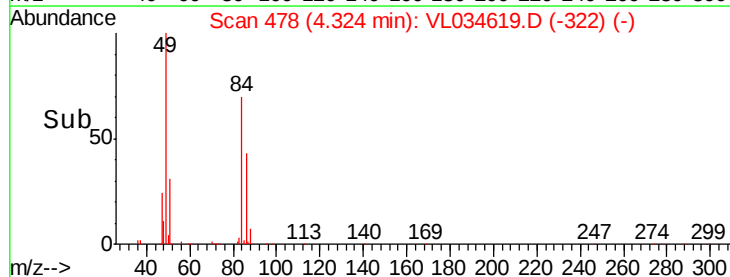
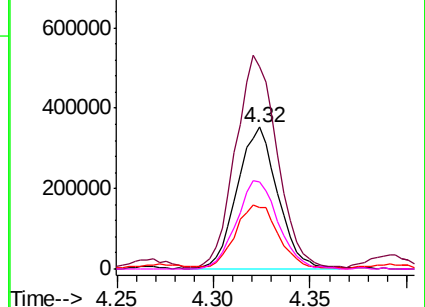


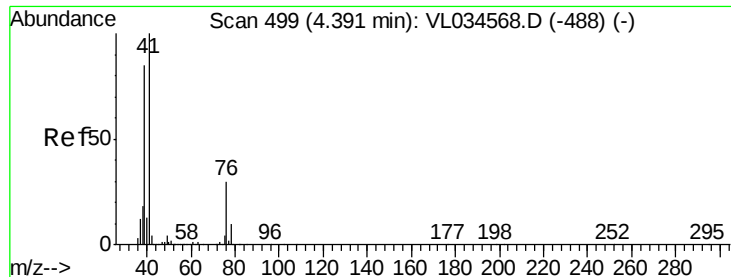
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 10.490 ppbv

RT: 4.39 min Scan# 499

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

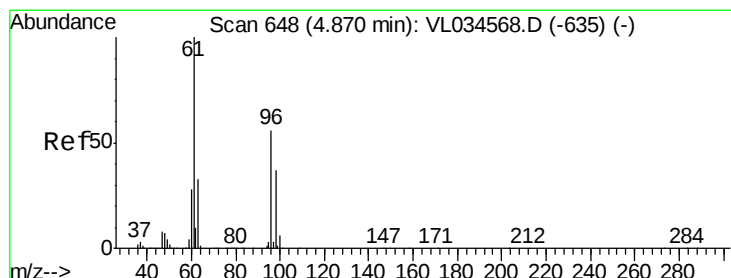
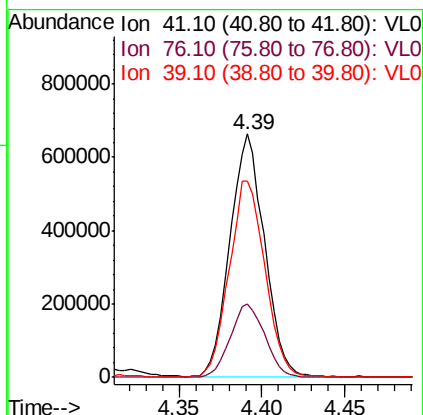
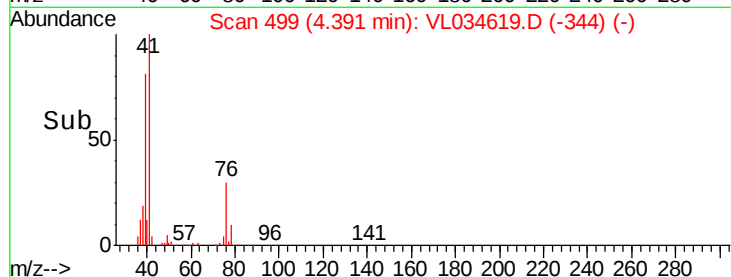
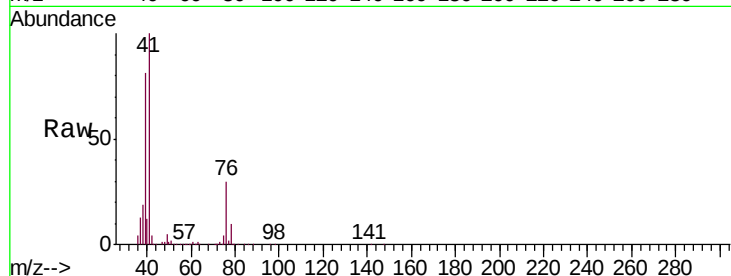
Tgt Ion: 41 Resp: 958732

Ion Ratio Lower Upper

41 100

76 30.4 24.2 36.2

39 84.1 68.3 102.5



#22

trans-1,2-Dichloroethene

Concen: 10.473 ppbv

RT: 4.87 min Scan# 648

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

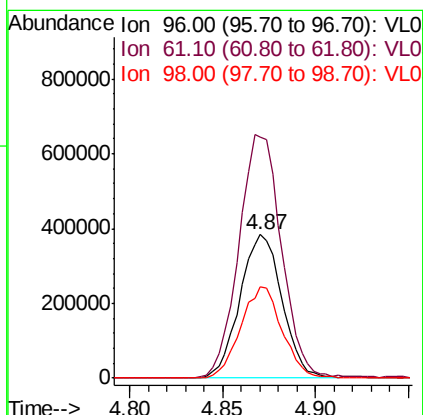
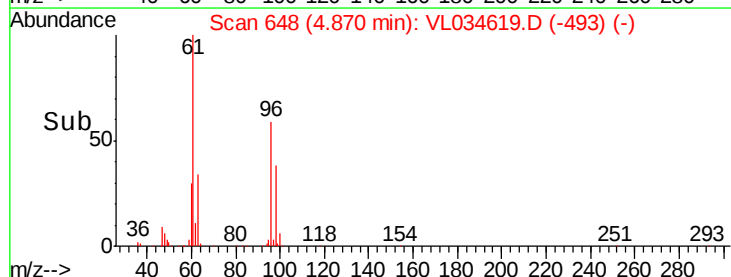
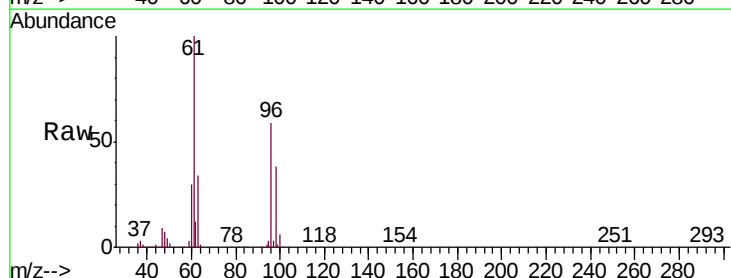
Tgt Ion: 96 Resp: 605274

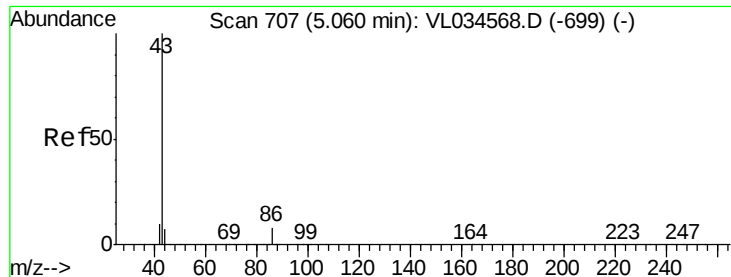
Ion Ratio Lower Upper

96 100

61 168.2 141.9 212.9

98 64.0 53.1 79.7





#23

Vinyl Acetate

Concen: 10.342 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1736346

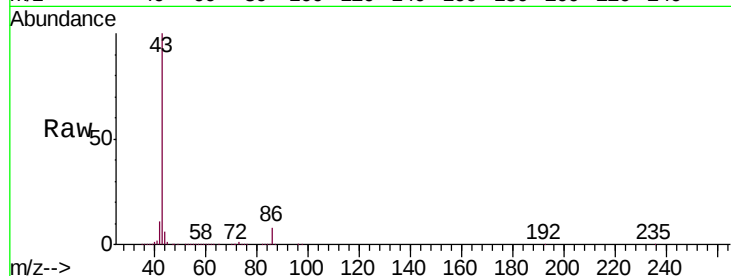
Ion Ratio Lower Upper

43 100

86 7.6 5.9 8.9

42 11.3 8.8 13.2

44 6.4 5.0 7.6

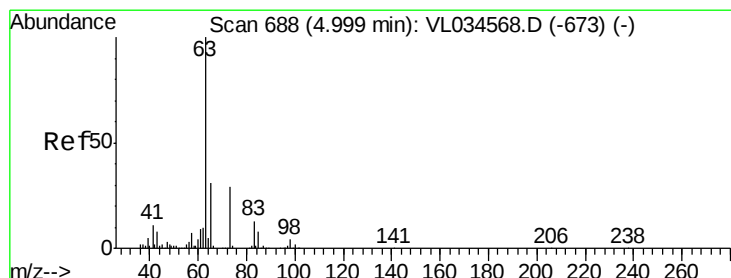
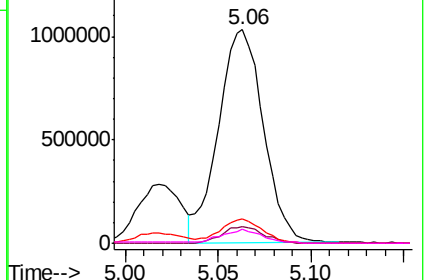
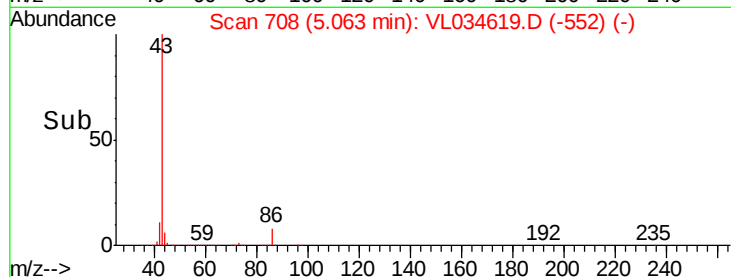


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.882 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

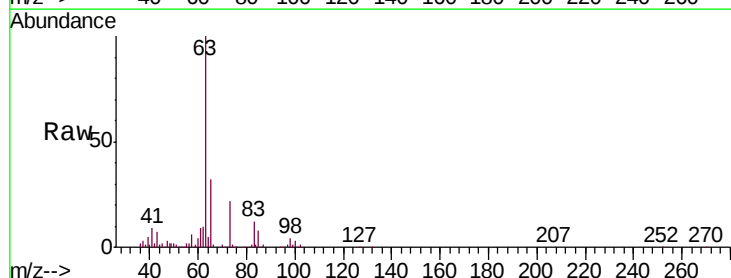
Tgt Ion: 63 Resp: 1385237

Ion Ratio Lower Upper

63 100

98 3.9 2.1 6.2

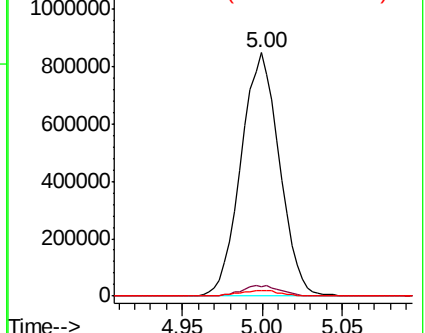
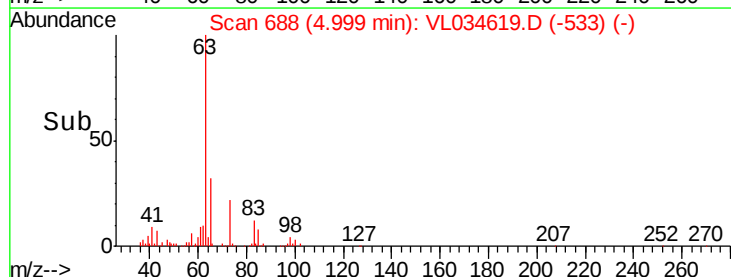
100 2.5 1.1 3.5

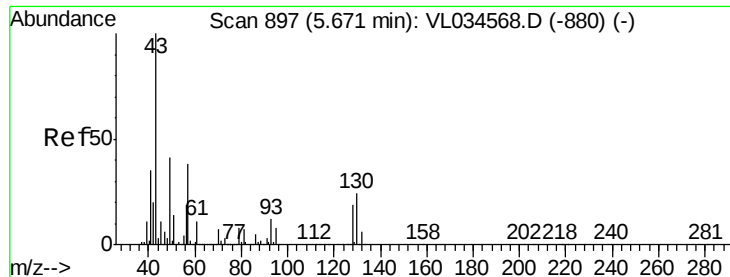


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.724 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2316790

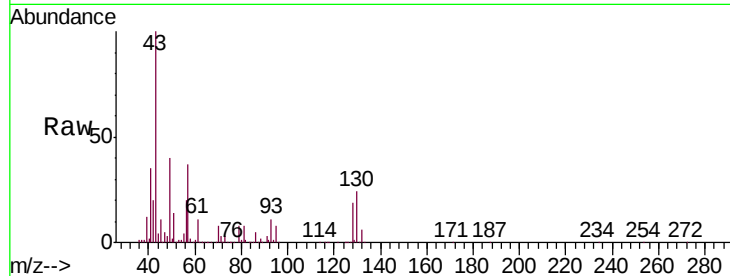
Ion Ratio Lower Upper

43 100

45 10.6 8.5 12.7

61 10.0 7.8 11.6

70 7.6 5.8 8.8

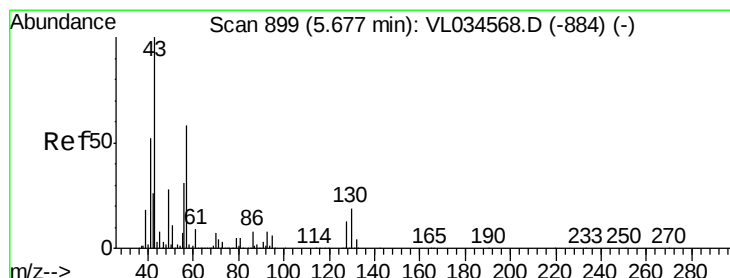
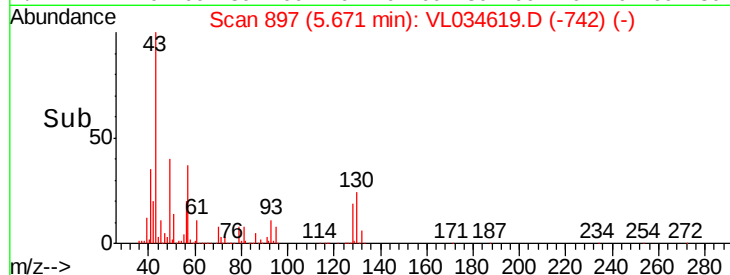
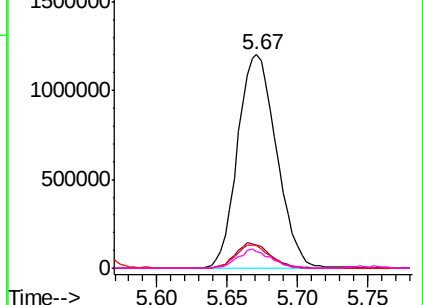


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.784 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Tgt Ion: 57 Resp: 976430

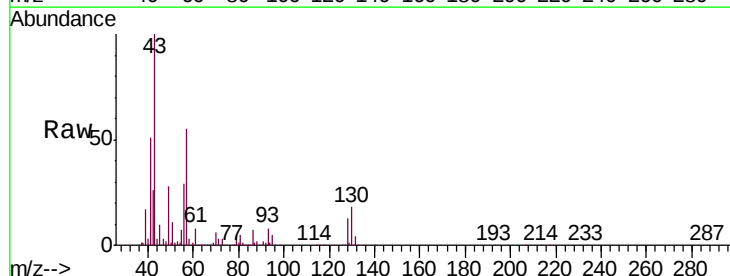
Ion Ratio Lower Upper

57 100

41 95.7 76.2 114.2

43 238.6 189.9 284.9

56 54.5 43.6 65.4

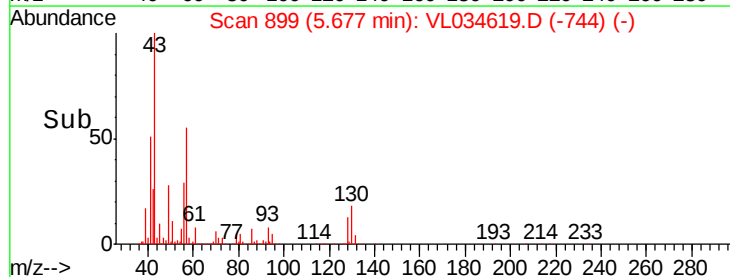
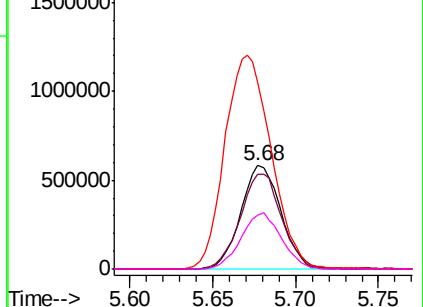


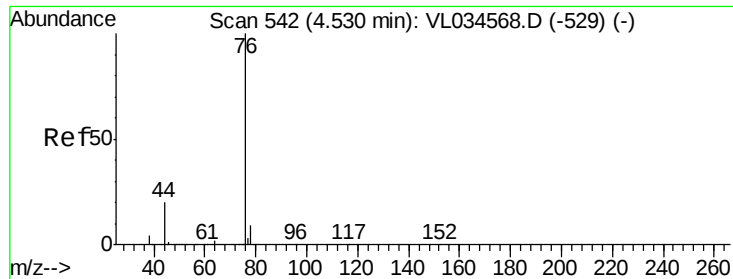
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.215 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

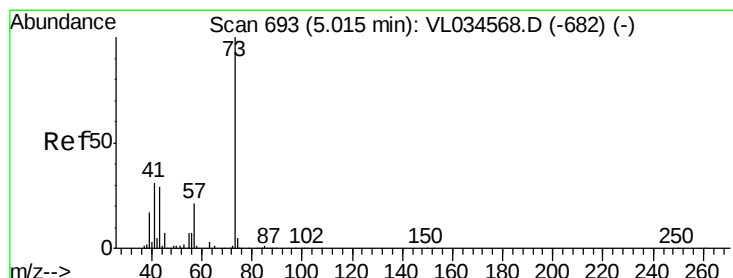
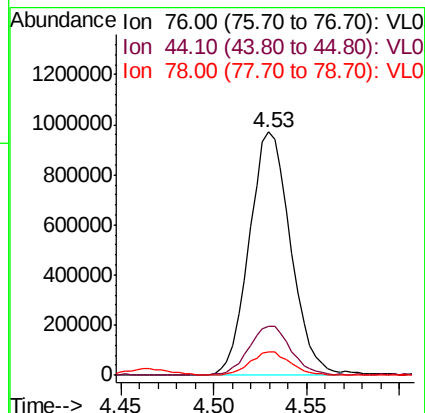
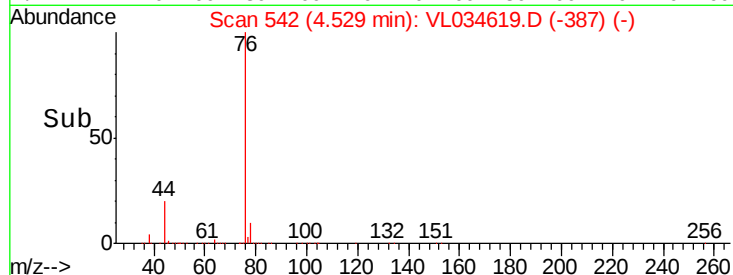
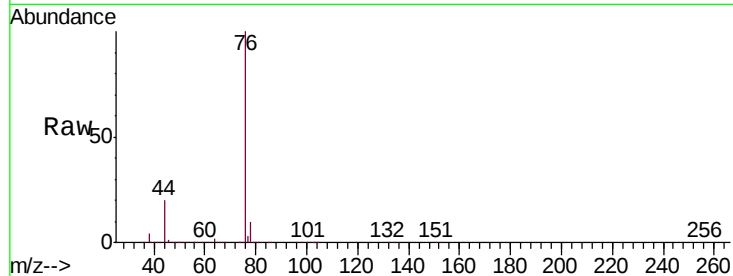
Tgt Ion: 76 Resp: 1510138

Ion Ratio Lower Upper

76 100

44 20.3 16.3 24.5

78 9.5 7.4 11.2



#28

Methyl tert-Butyl Ether

Concen: 10.373 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.00 min

Lab File: VL034619.D

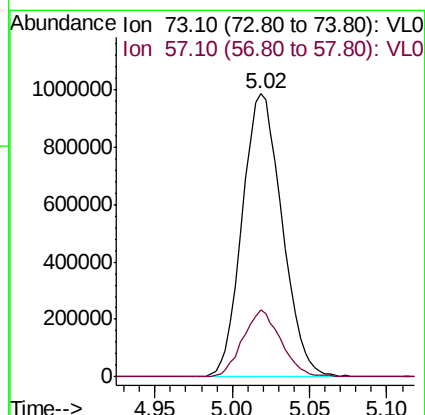
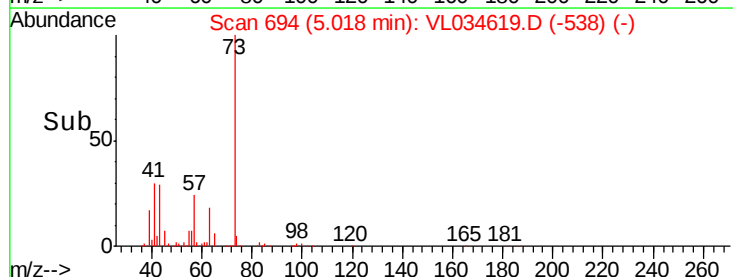
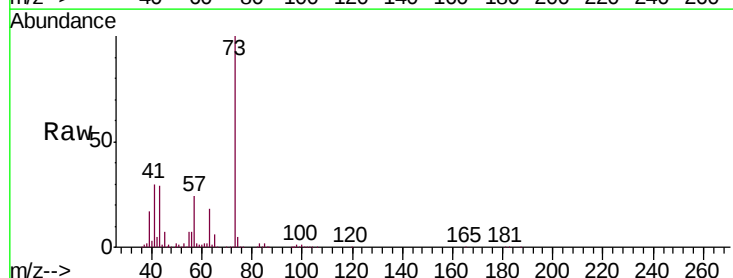
Acq: 18 Feb 2020 9:57

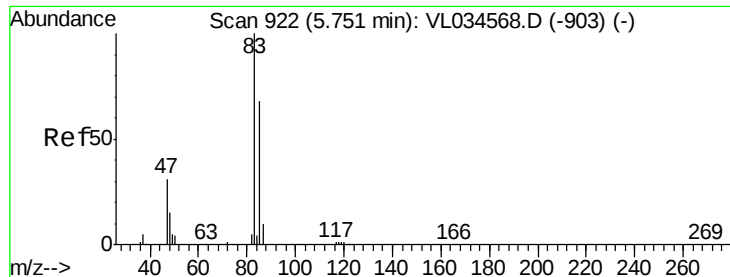
Tgt Ion: 73 Resp: 1765431

Ion Ratio Lower Upper

73 100

57 22.7 17.9 26.9





#29

Chloroform

Concen: 9.508 ppbv

RT: 5.75 min Scan# 922

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

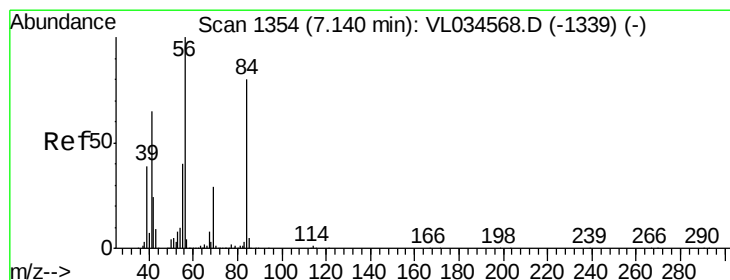
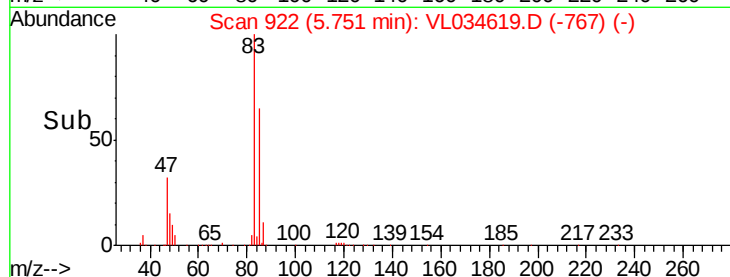
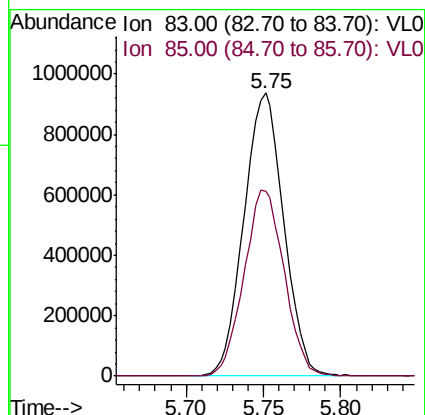
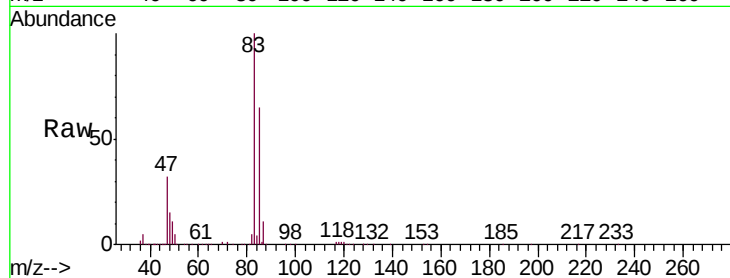
VSTDCCC010

Tgt Ion: 83 Resp: 1677807

Ion Ratio Lower Upper

83 100

85 65.1 54.0 81.0



#30

Cyclohexane

Concen: 10.515 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

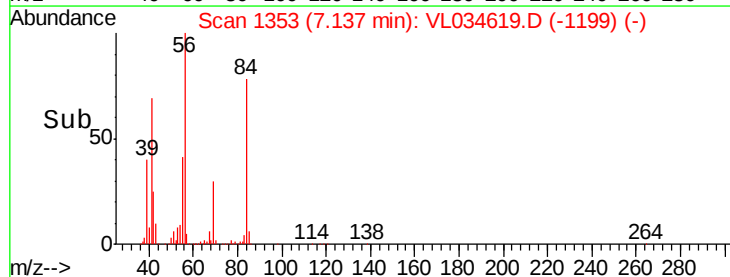
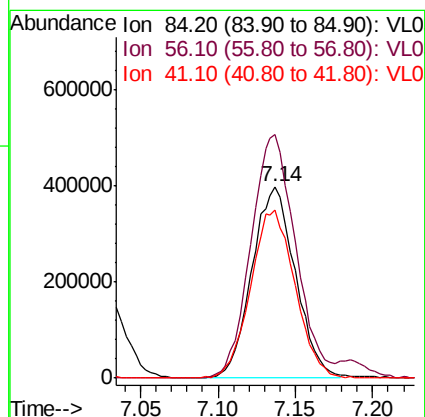
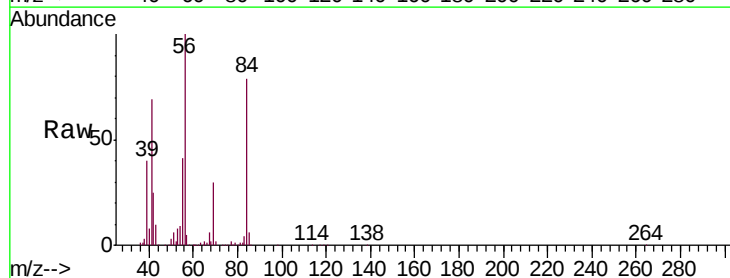
Tgt Ion: 84 Resp: 777575

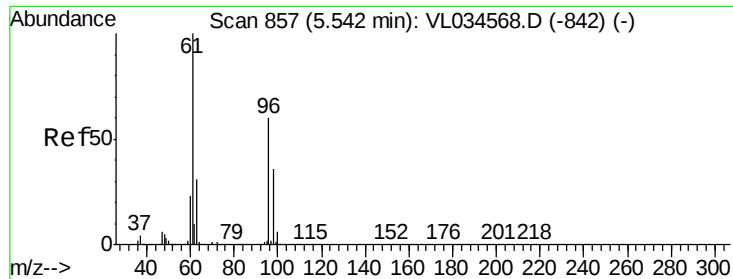
Ion Ratio Lower Upper

84 100

56 137.6 110.5 165.7

41 90.0 71.9 107.9



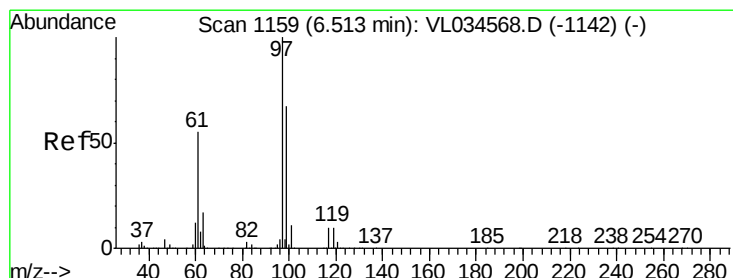
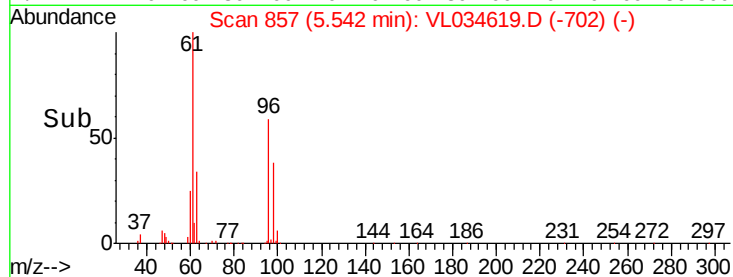
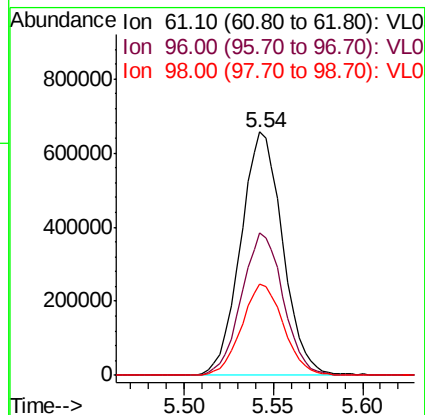
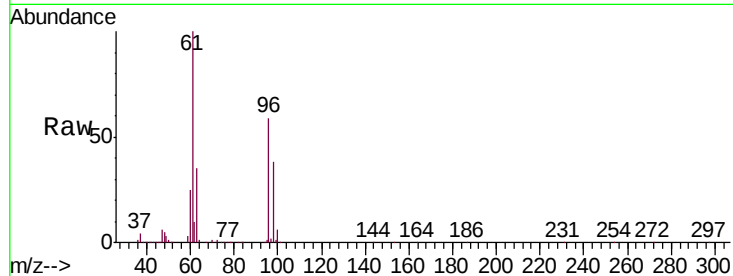


#31

cis-1,2-Dichloroethene
 Concen: 10.376 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

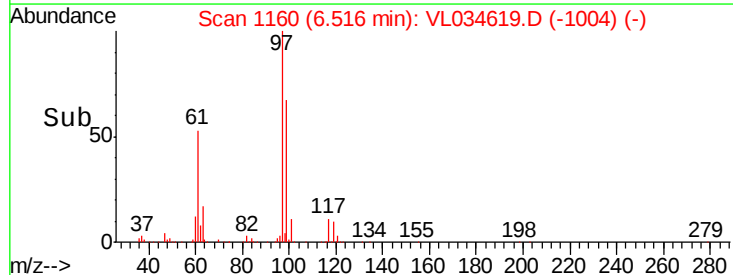
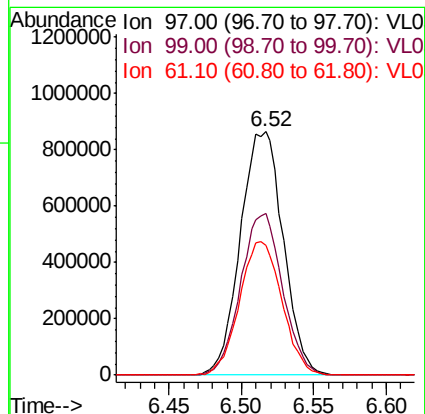
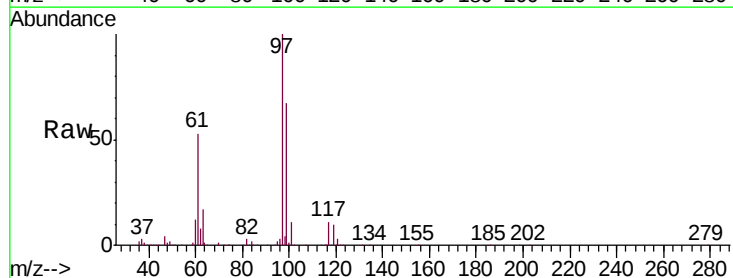
Tgt Ion: 61 Resp: 1075783
 Ion Ratio Lower Upper
 61 100
 96 58.6 48.0 72.0
 98 37.4 28.6 43.0

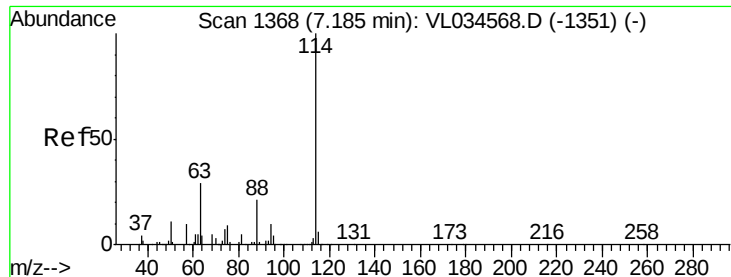


#32

1,1,1-Trichloroethane
 Concen: 9.389 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Tgt Ion: 97 Resp: 1779003
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.2 78.2
 61 54.3 43.0 64.4

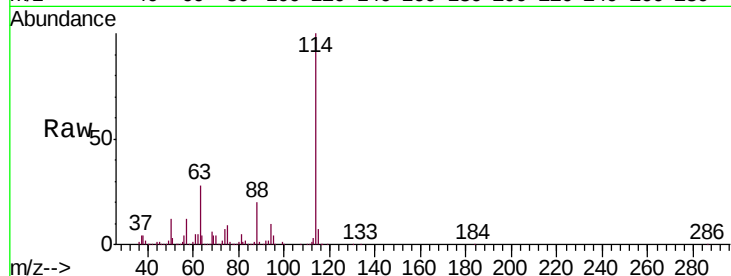




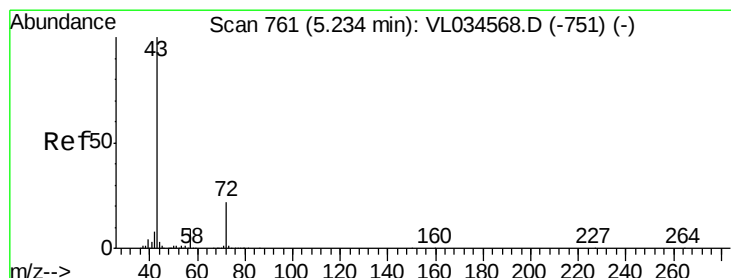
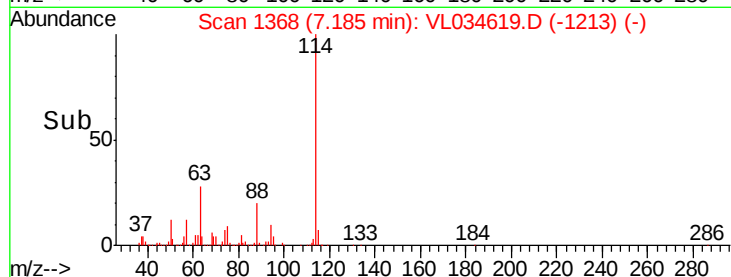
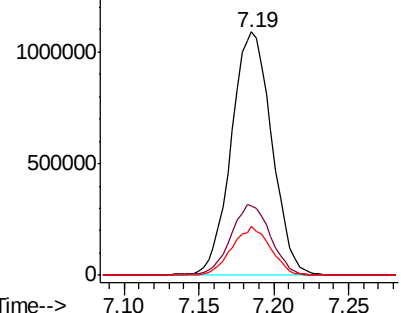
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:114 Resp: 2052325
 Ion Ratio Lower Upper
 114 100
 63 29.2 24.1 36.1
 88 19.2 15.9 23.9

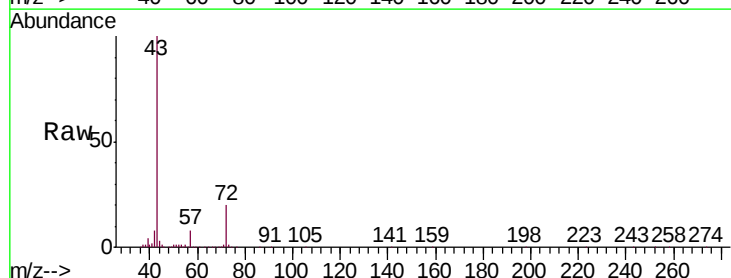


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

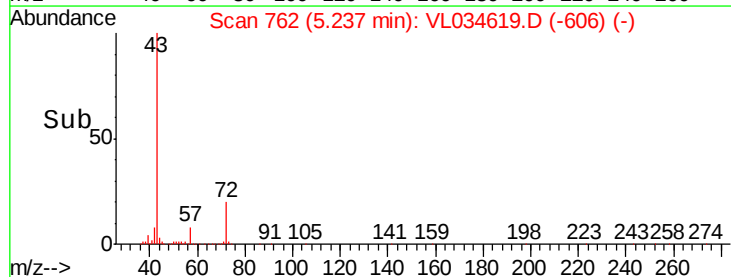
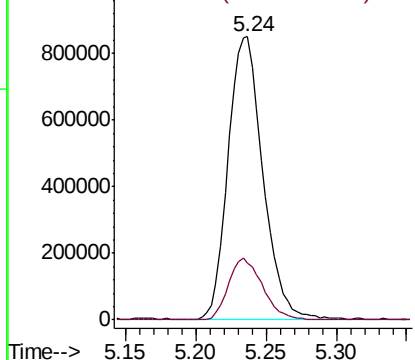


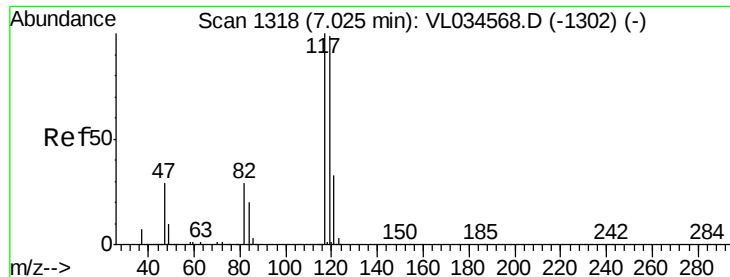
#34
 2-Butanone
 Concen: 9.834 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Tgt Ion: 43 Resp: 1465406
 Ion Ratio Lower Upper
 43 100
 72 21.5 17.2 25.8



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





#35

Carbon Tetrachloride

Concen: 9.954 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

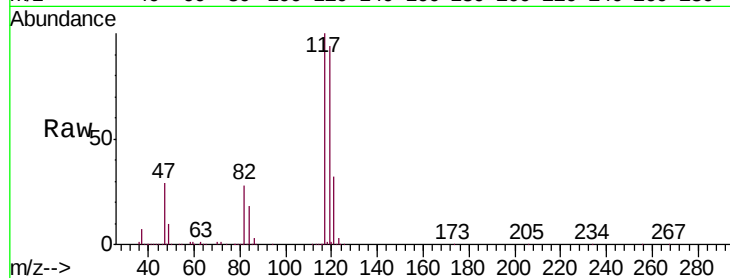
Tgt Ion:117 Resp: 1953041

Ion Ratio Lower Upper

117 100

119 93.6 79.5 119.3

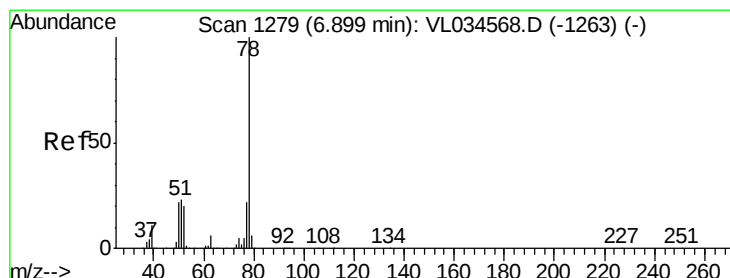
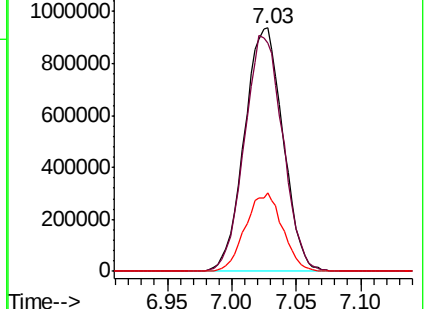
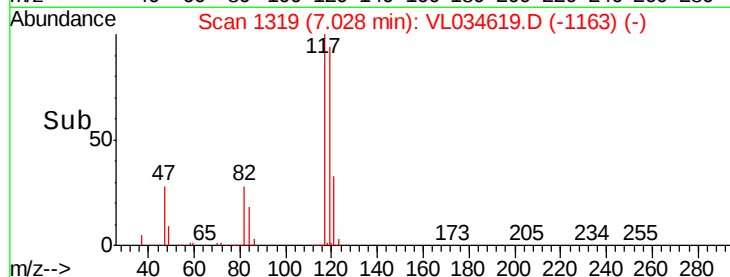
121 32.2 26.2 39.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.214 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

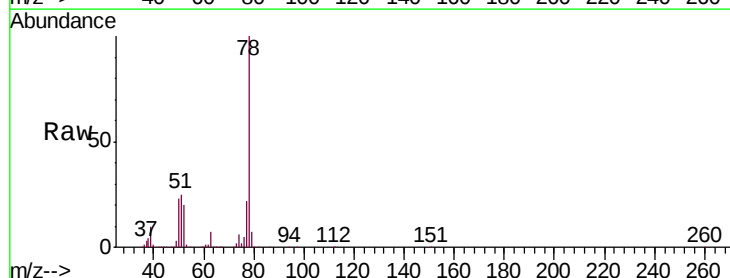
Tgt Ion: 78 Resp: 1864108

Ion Ratio Lower Upper

78 100

77 22.4 17.3 25.9

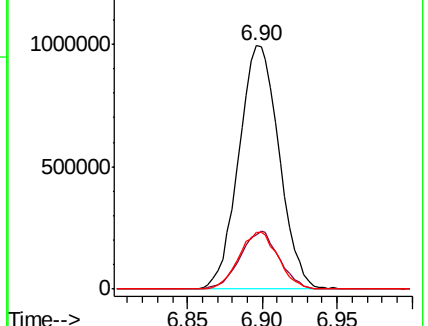
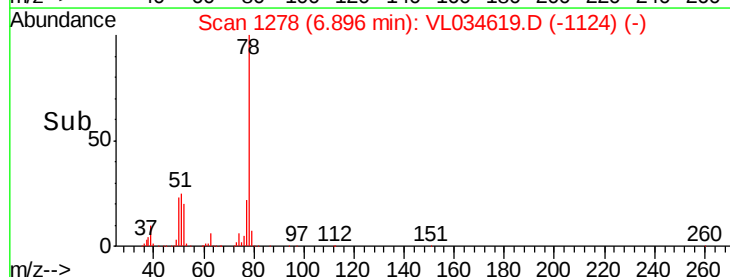
50 23.1 17.4 26.2

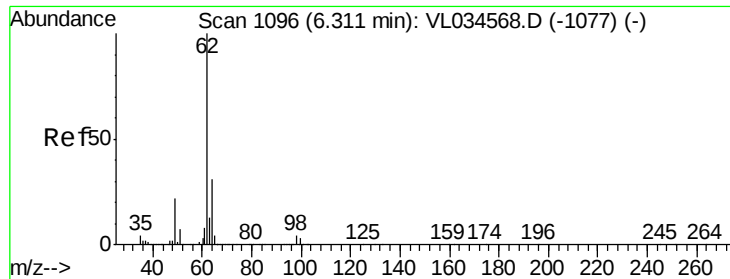


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

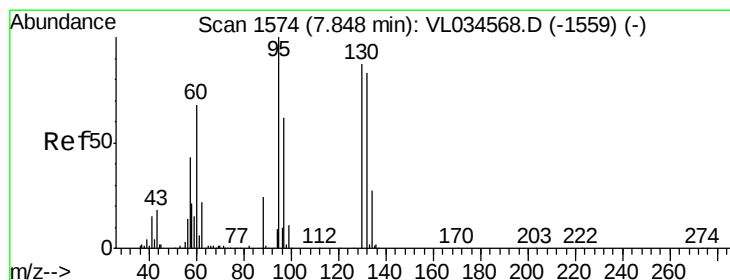
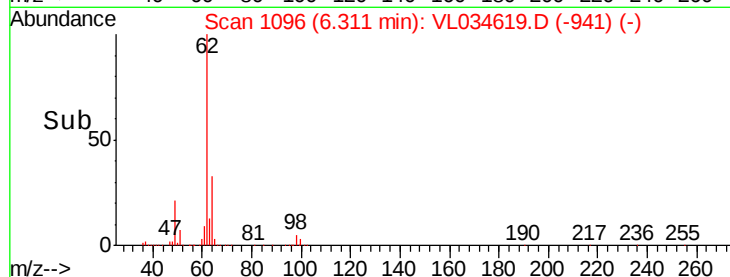
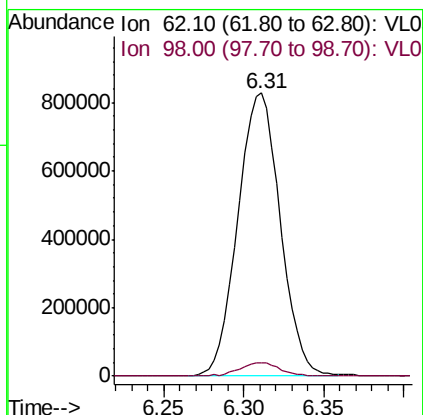
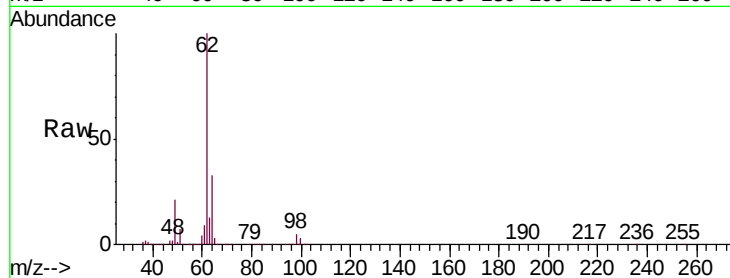




#37
1,2-Dichloroethane
Concen: 9.870 ppbv
RT: 6.31 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

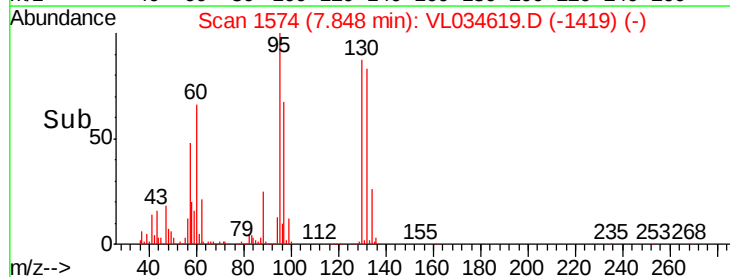
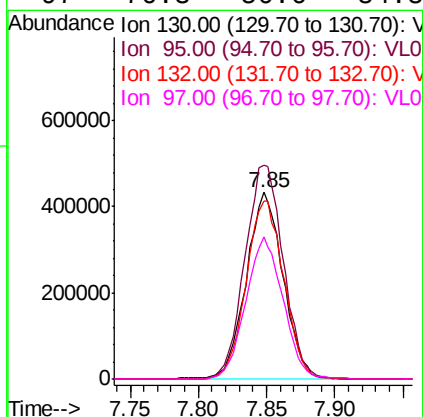
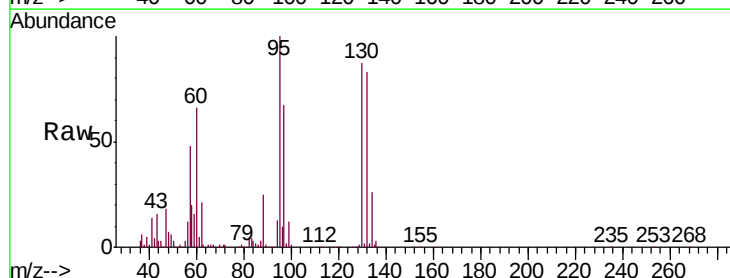
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

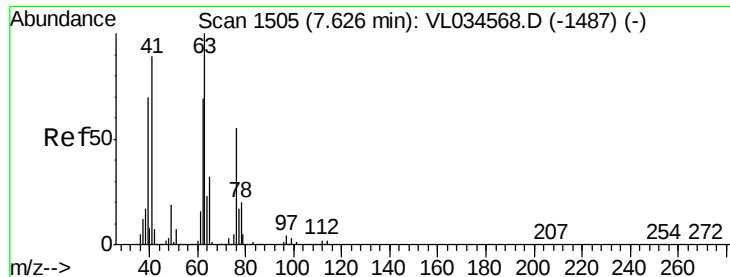
Tgt Ion: 62 Resp: 1502861
Ion Ratio Lower Upper
62 100
98 4.6 3.7 5.5



#38
Trichloroethene
Concen: 10.521 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Tgt Ion: 130 Resp: 809450
Ion Ratio Lower Upper
130 100
95 114.6 91.6 137.4
132 95.4 76.1 114.1
97 76.3 56.6 84.8





#39

1,2-Dichloropropane

Concen: 9.942 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

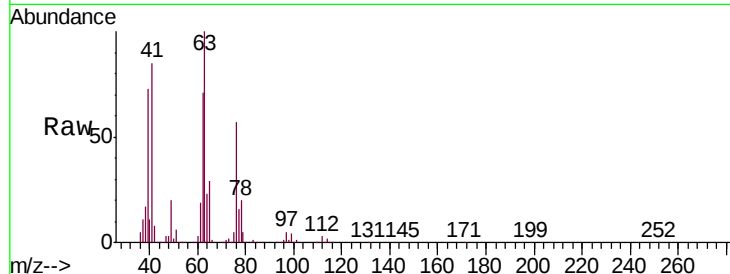
Tgt Ion: 63 Resp: 752216

Ion Ratio Lower Upper

63 100

41 84.8 71.0 106.4

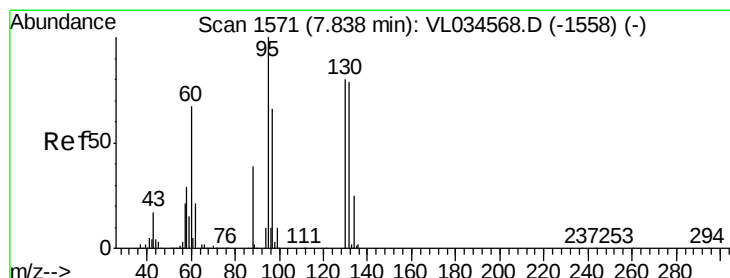
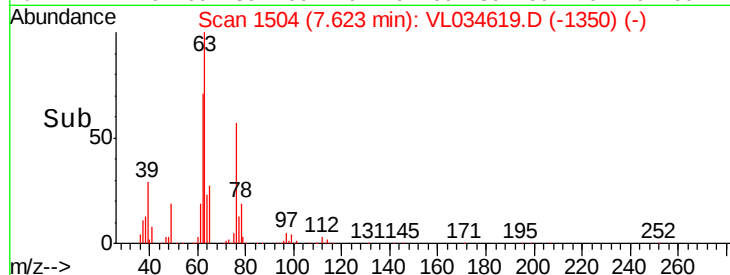
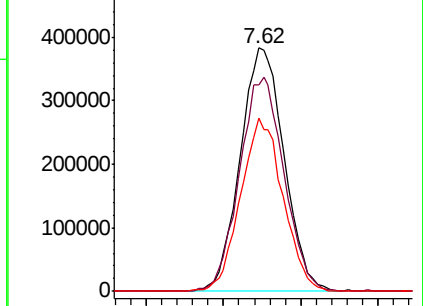
62 71.1 55.4 83.0



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.309 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Tgt Ion: 88 Resp: 299833

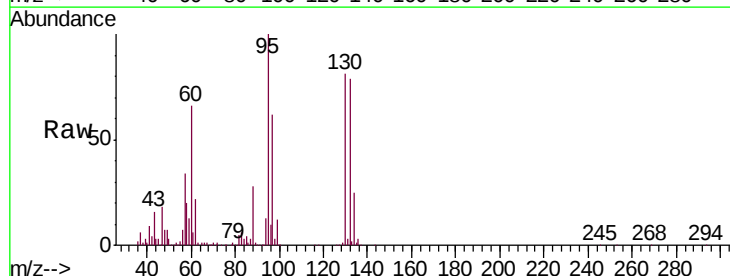
Ion Ratio Lower Upper

88 100

58 128.4 107.8 161.8

43 266.6 220.9 331.3

57 1112.6 908.6 1363.0

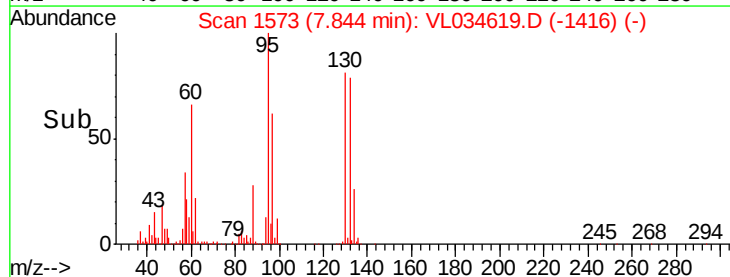
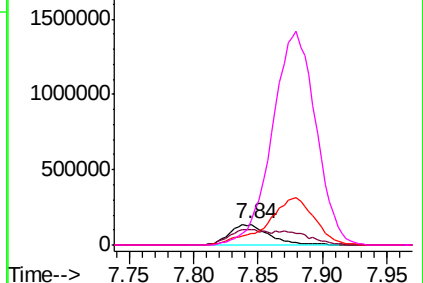


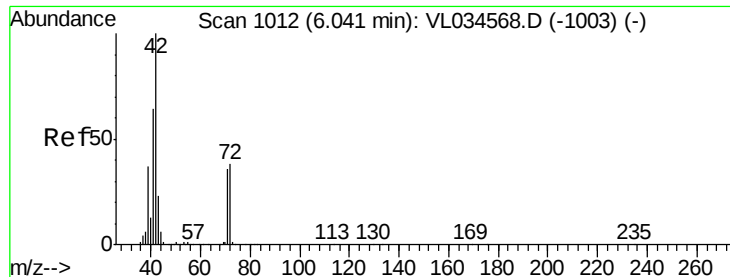
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.247 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

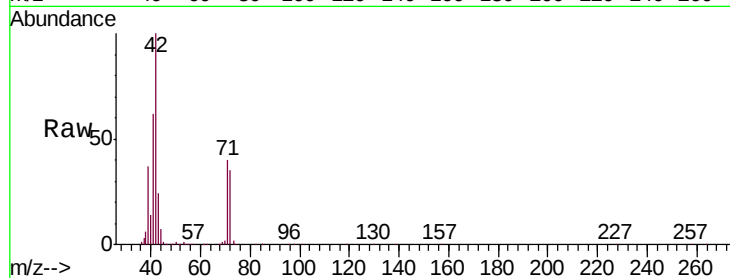
Tgt Ion: 42 Resp: 796581

Ion Ratio Lower Upper

42 100

72 40.2 31.8 47.8

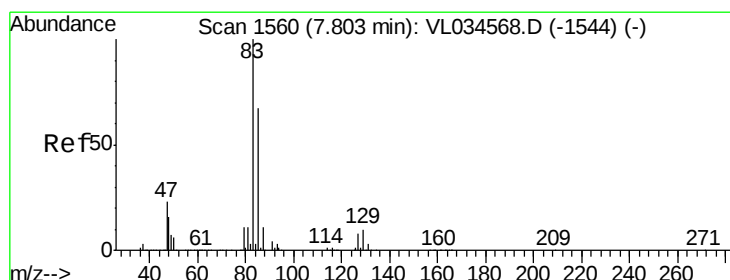
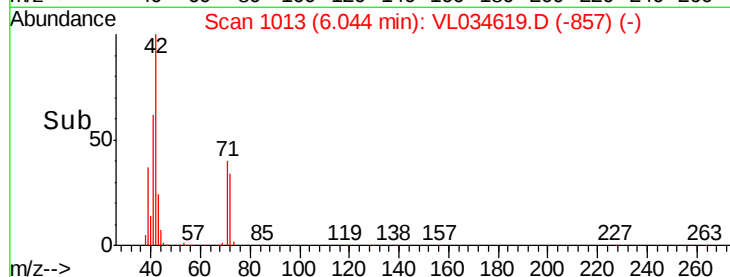
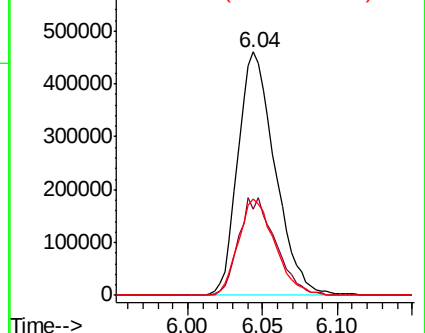
71 39.3 30.2 45.4



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.147 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

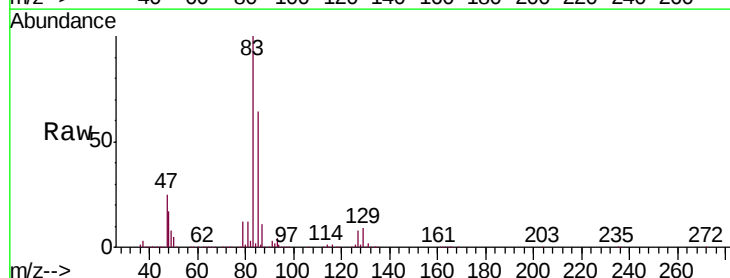
Tgt Ion: 83 Resp: 1901634

Ion Ratio Lower Upper

83 100

85 64.0 53.2 79.8

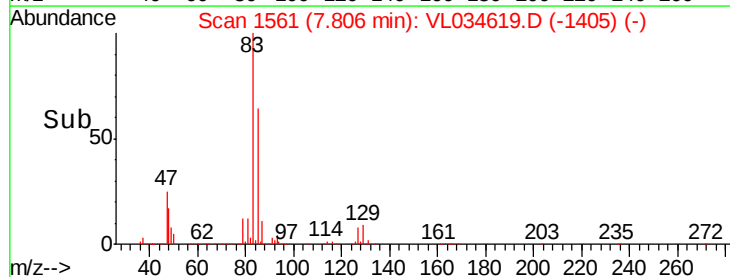
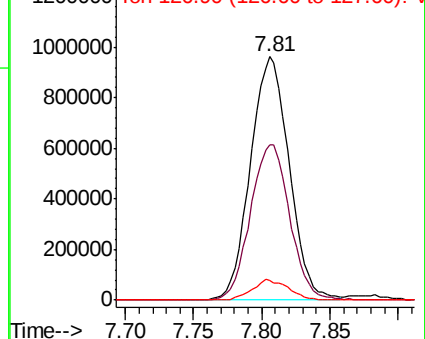
127 8.2 6.5 9.7

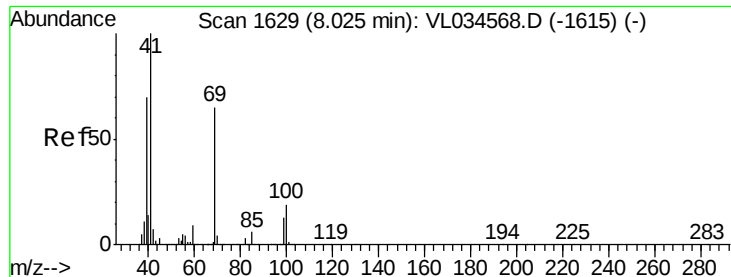


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

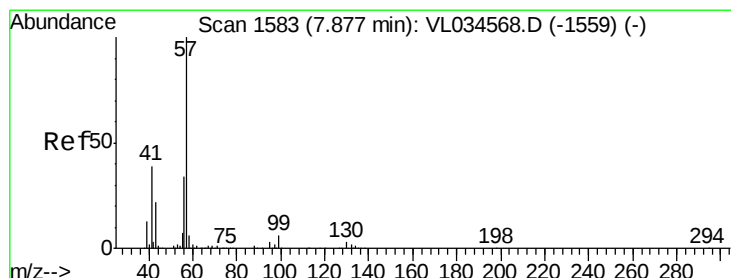
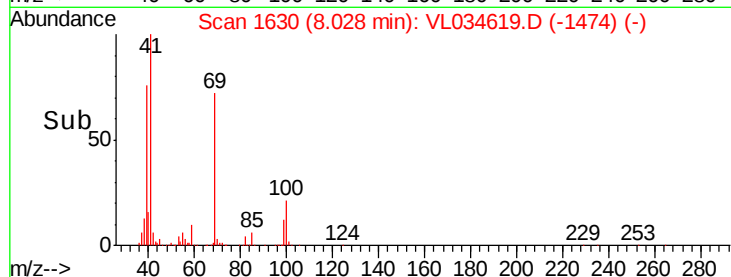
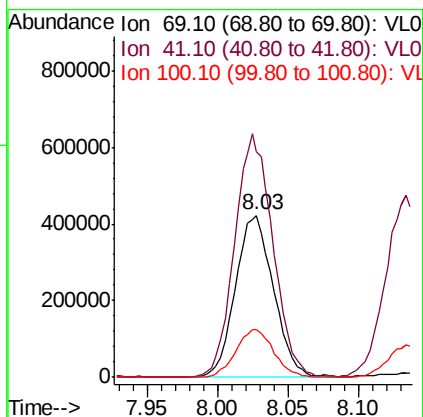
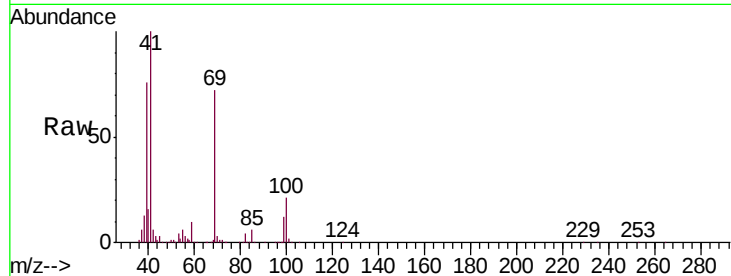




#43
Methyl Methacrylate
Concen: 10.868 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

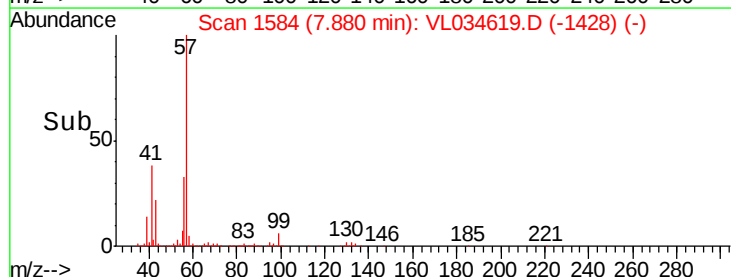
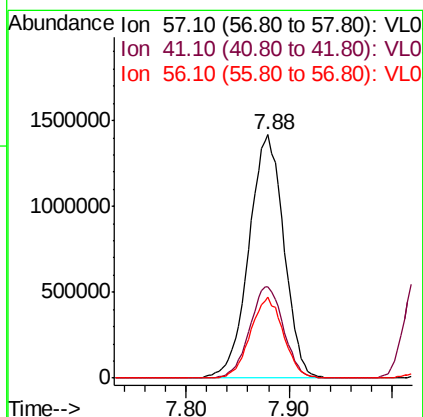
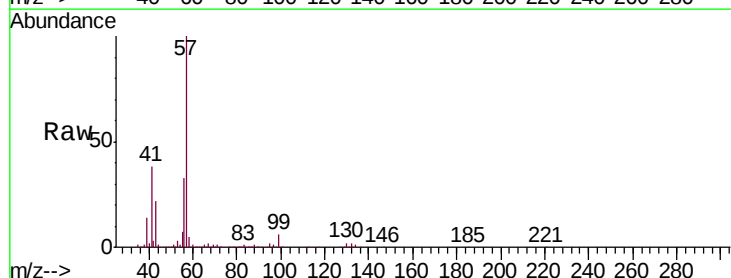
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

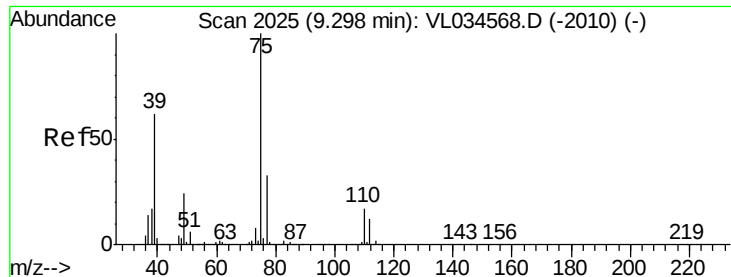
Tgt Ion: 69 Resp: 797785
Ion Ratio Lower Upper
69 100
41 150.6 123.9 185.9
100 29.6 24.1 36.1



#44
2,2,4-Trimethylpentane
Concen: 10.061 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Tgt Ion: 57 Resp: 3331651
Ion Ratio Lower Upper
57 100
41 36.4 28.9 43.3
56 31.2 25.5 38.3

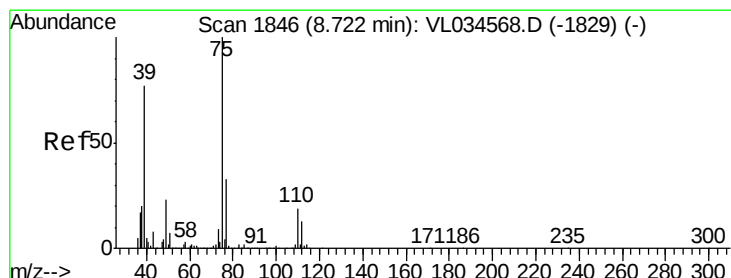
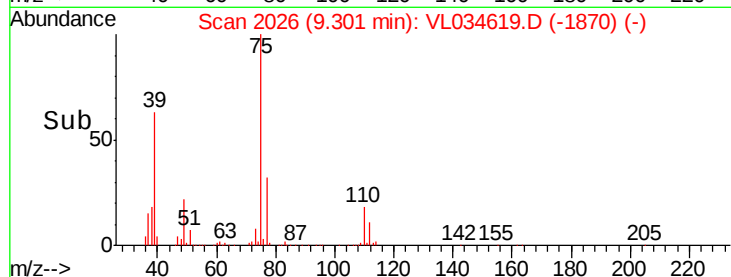
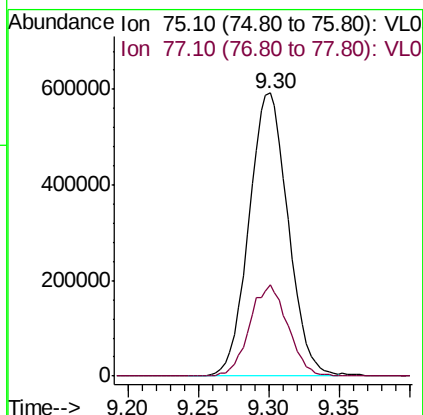
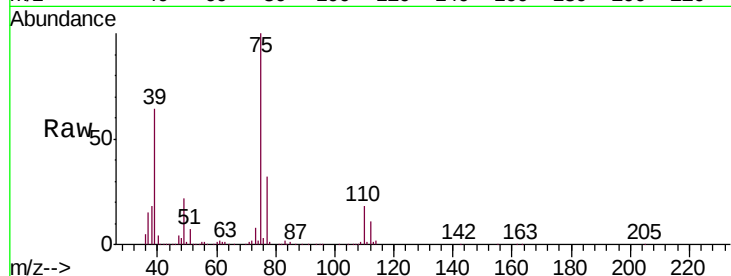




#45
 t-1,3-Dichloropropene
 Concen: 11.961 ppbv
 RT: 9.30 min Scan# 2026
 Delta R.T. 0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

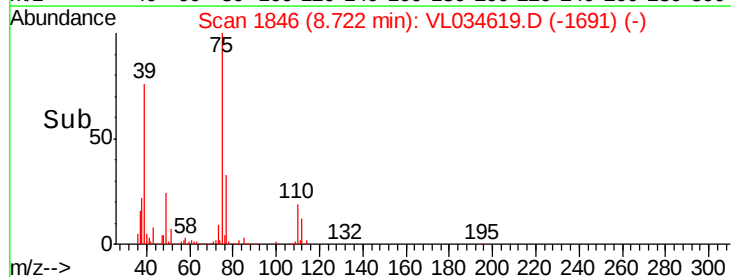
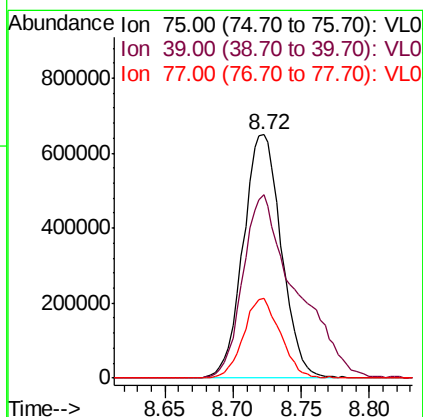
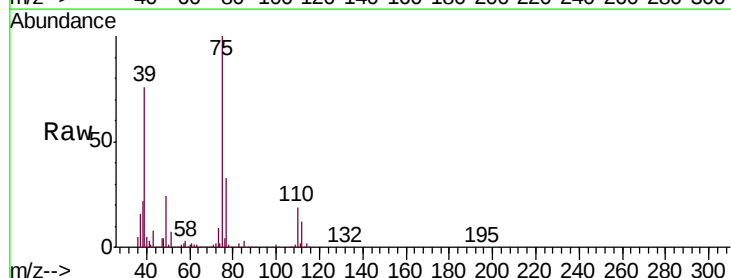
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

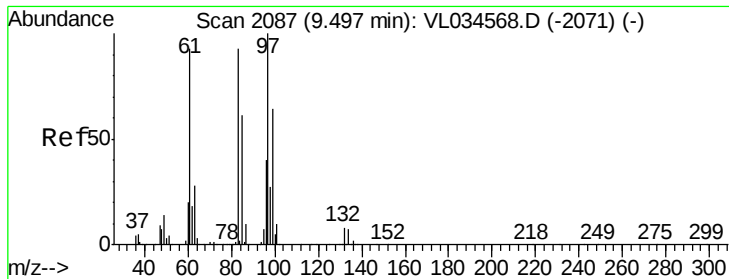
Tgt Ion: 75 Resp: 1149685
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.7 40.1



#46
 cis-1,3-Dichloropropene
 Concen: 11.508 ppbv
 RT: 8.72 min Scan# 1846
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Tgt Ion: 75 Resp: 1257314
 Ion Ratio Lower Upper
 75 100
 39 75.6 61.9 92.9
 77 33.0 26.1 39.1

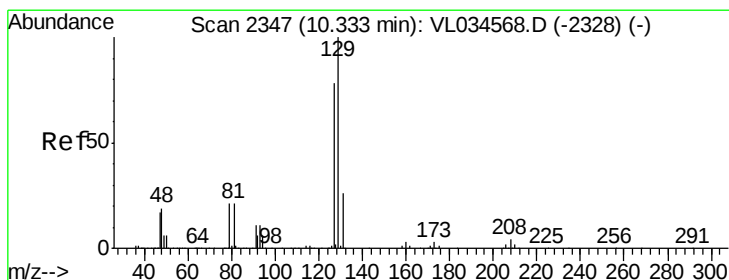
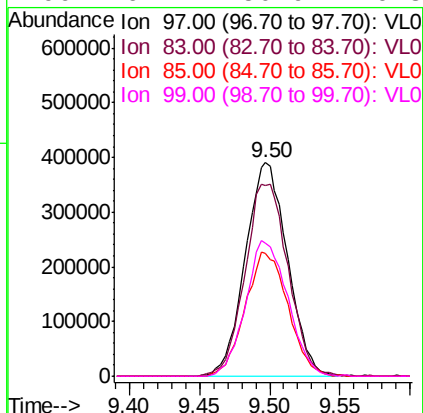
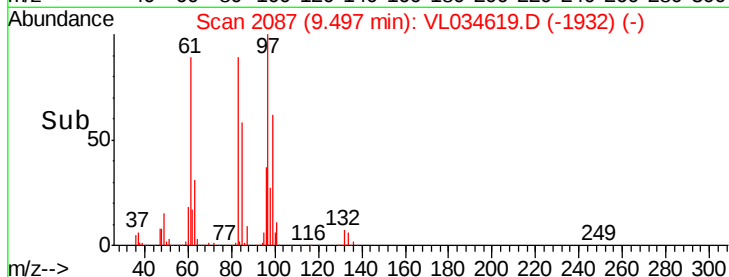
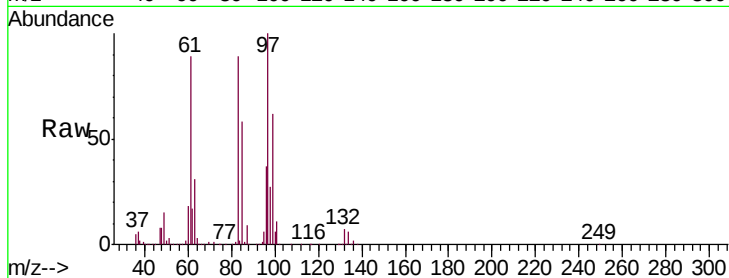




#47
 1,1,2-Trichloroethane
 Concen: 9.971 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

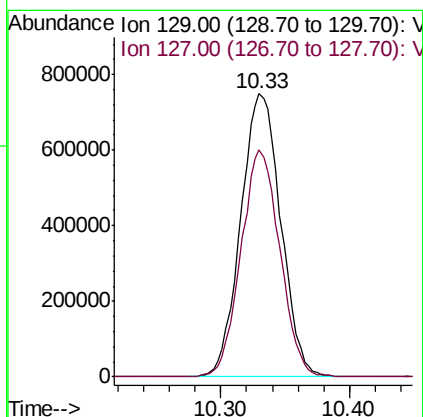
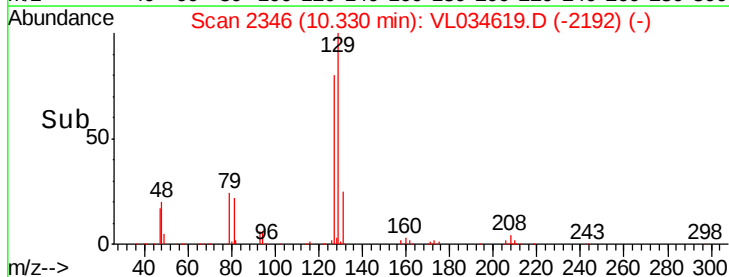
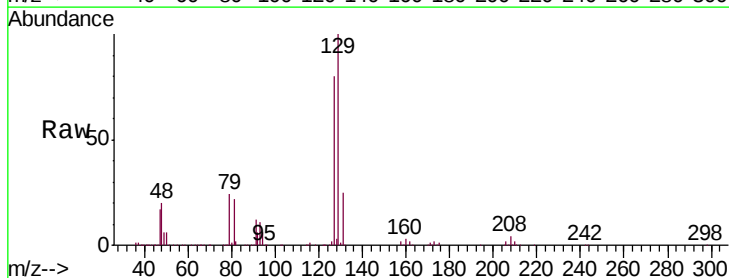
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

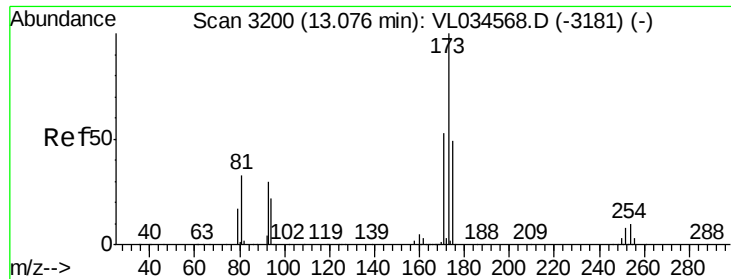
Tgt Ion:	97	Resp:	817117
Ion	Ratio	Lower	Upper
97	100		
83	89.3	74.4	111.6
85	57.8	49.2	73.8
99	62.2	50.9	76.3



#48
 Dibromochloromethane
 Concen: 10.791 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Tgt Ion:	129	Resp:	1620474
Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2





#49

Bromoform

Concen: 11.009 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

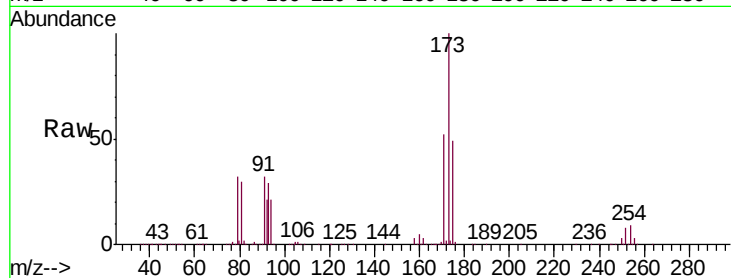
Tgt Ion:173 Resp: 1451372

Ion Ratio Lower Upper

173 100

175 49.6 39.7 59.5

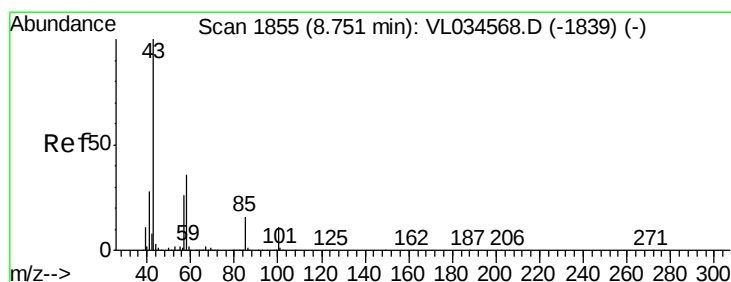
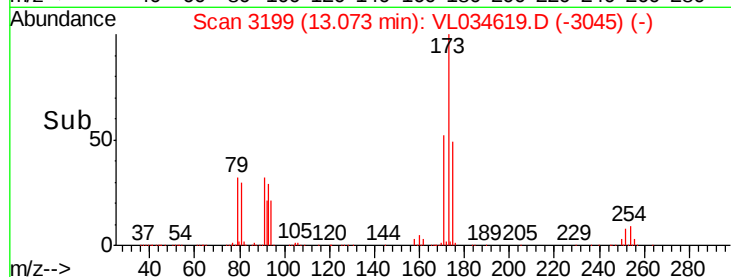
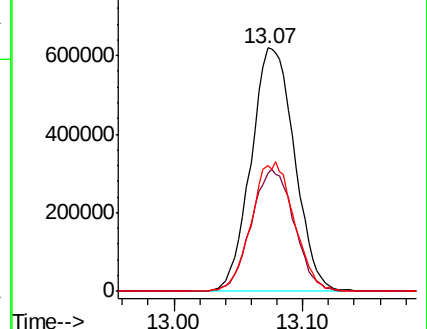
171 52.4 41.6 62.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.184 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.01 min

Lab File: VL034619.D

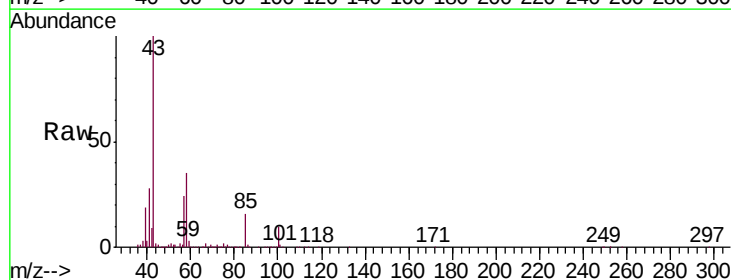
Acq: 18 Feb 2020 9:57

Tgt Ion: 43 Resp: 2164111

Ion Ratio Lower Upper

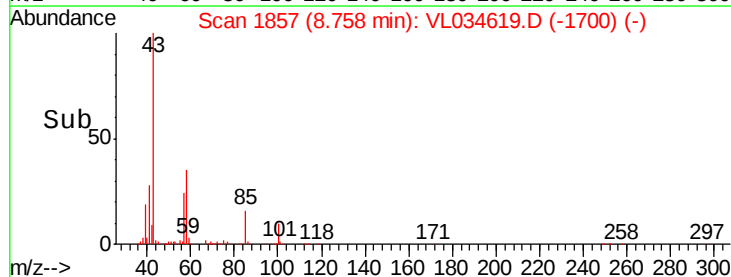
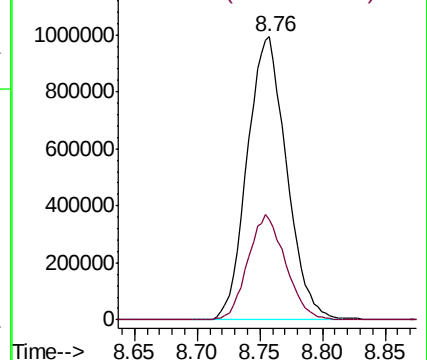
43 100

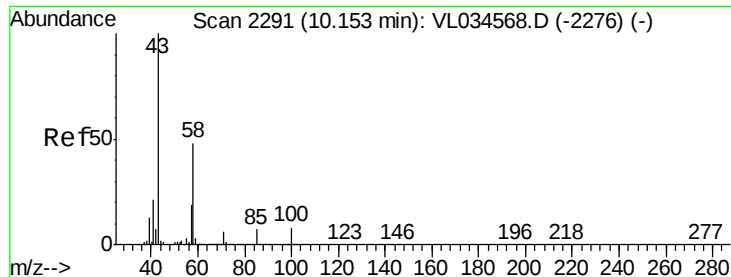
58 35.6 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

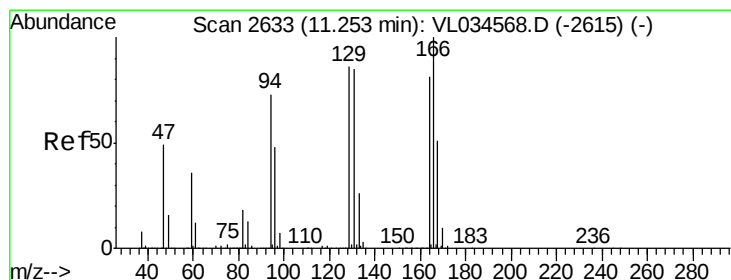
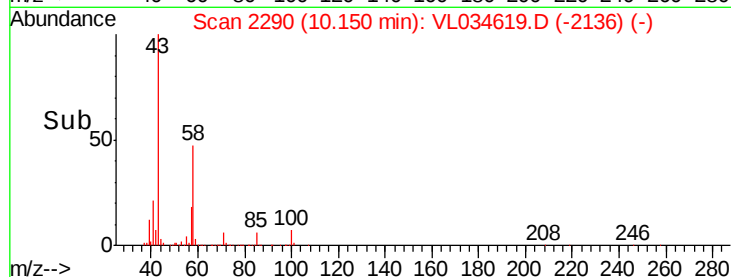
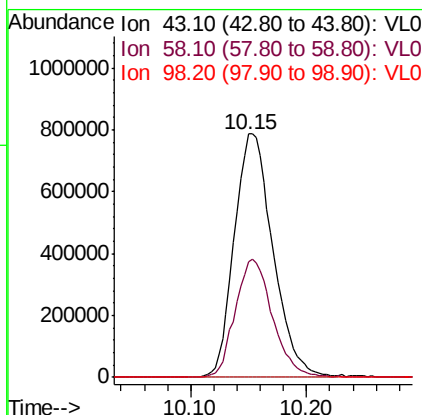
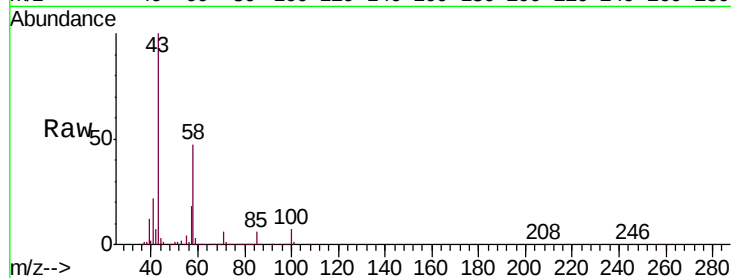




#51
2-Hexanone
Concen: 10.923 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

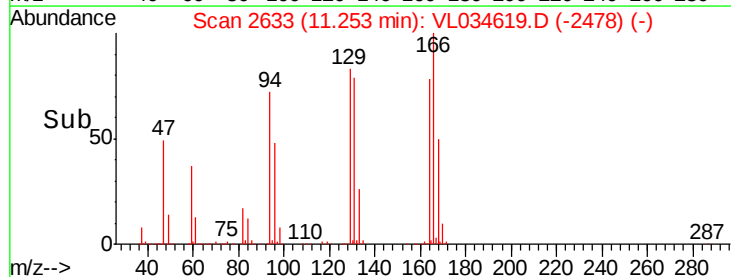
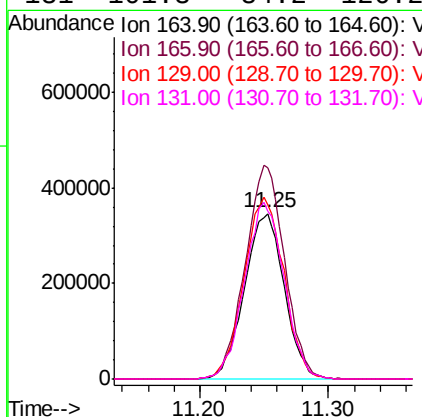
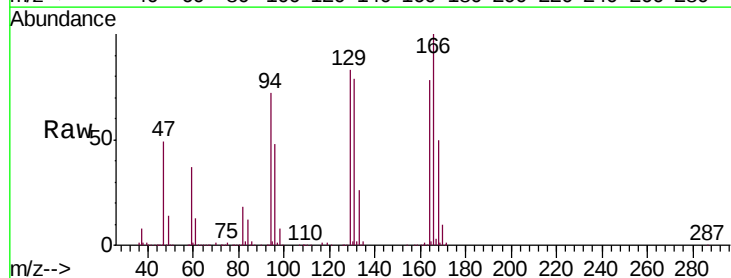
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

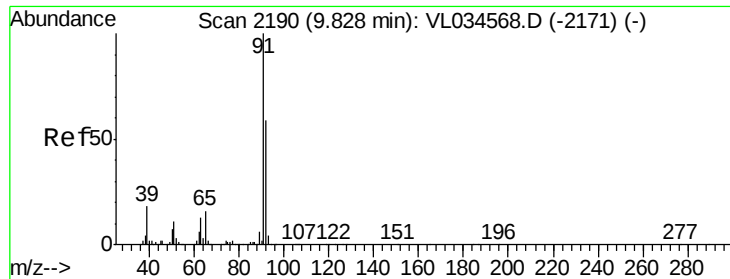
Tgt Ion: 43 Resp: 1827207
Ion Ratio Lower Upper
43 100
58 46.7 37.9 56.9
98 0.3 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.147 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Tgt Ion: 164 Resp: 743995
Ion Ratio Lower Upper
164 100
166 127.6 99.0 148.4
129 105.4 85.3 127.9
131 101.3 84.2 126.2





#53

Toluene

Concen: 10.994 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

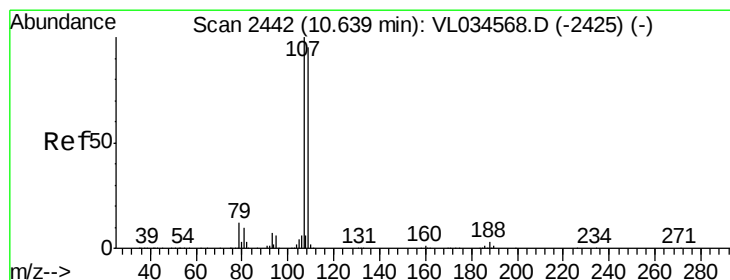
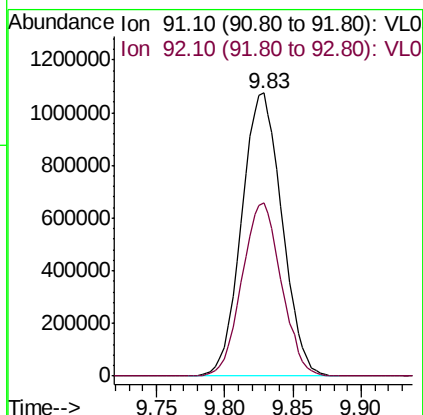
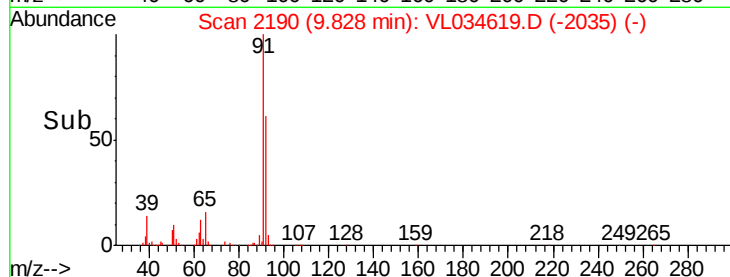
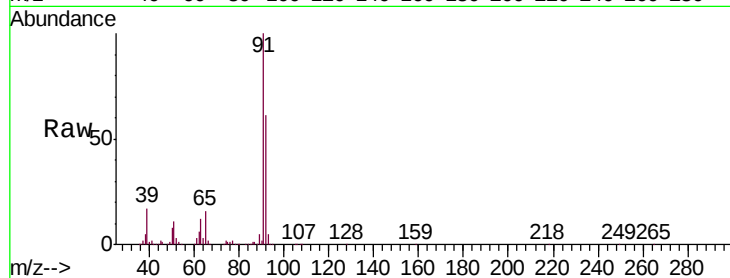
VSTDCCC010

Tgt Ion: 91 Resp: 2204224

Ion Ratio Lower Upper

91 100

92 60.0 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.299 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. -0.00 min

Lab File: VL034619.D

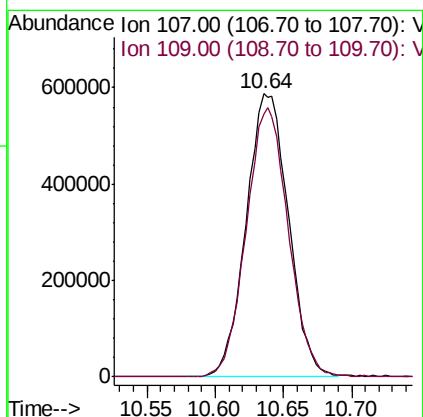
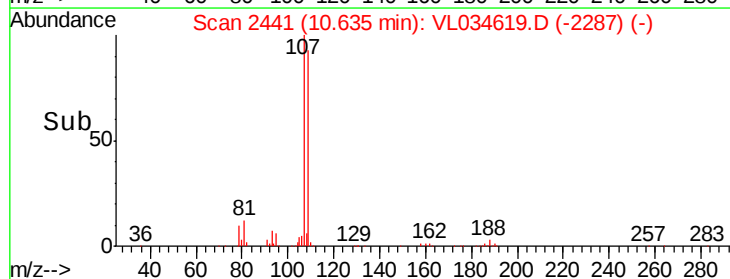
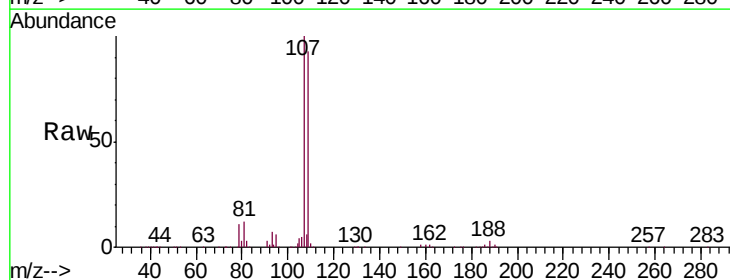
Acq: 18 Feb 2020 9:57

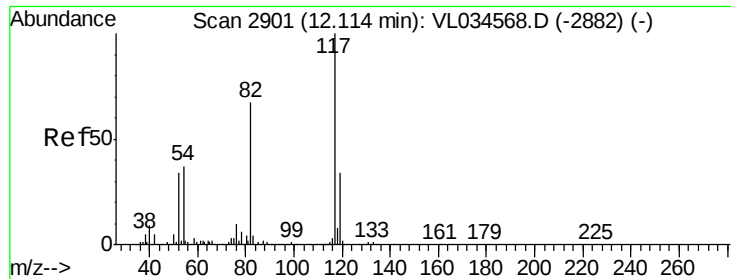
Tgt Ion: 107 Resp: 1264774

Ion Ratio Lower Upper

107 100

109 93.0 75.9 113.9

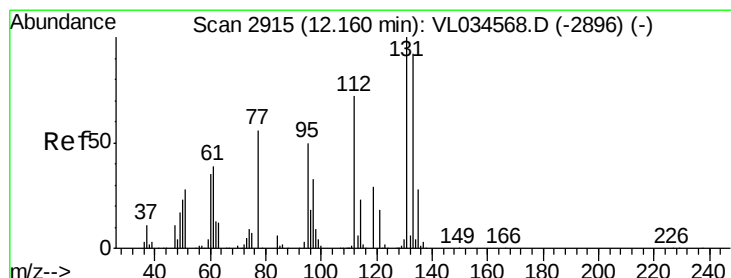
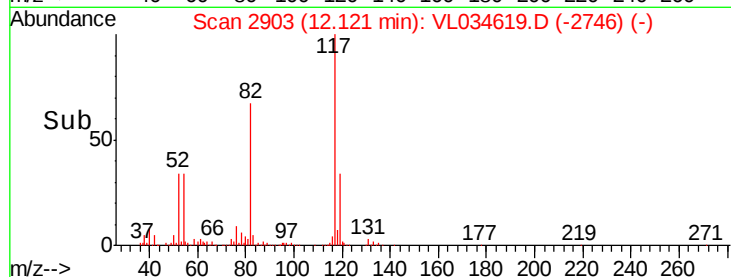
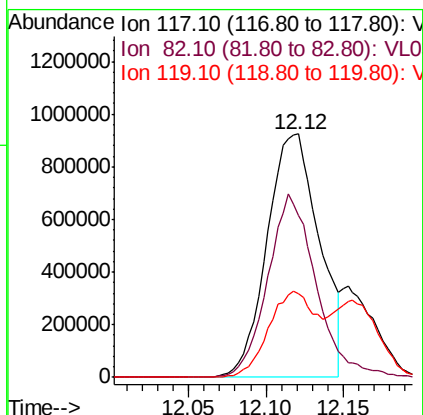
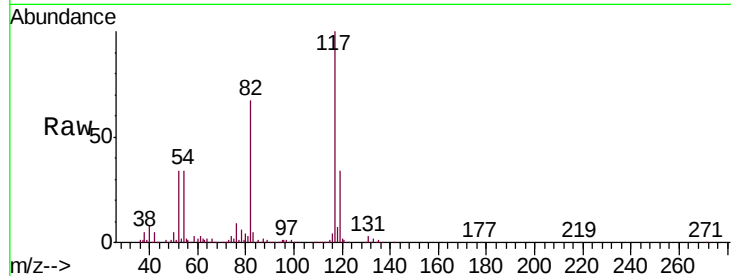




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

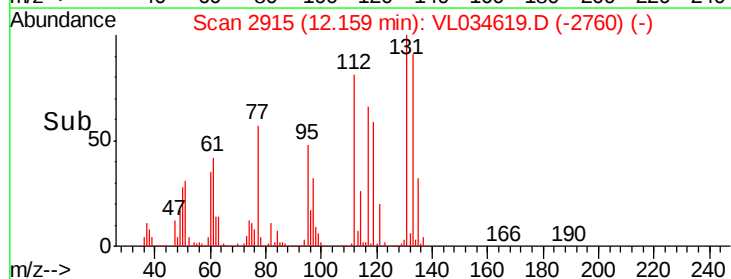
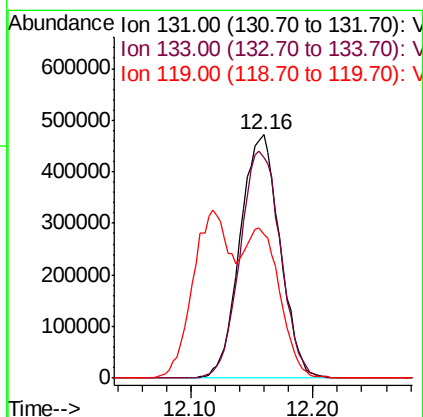
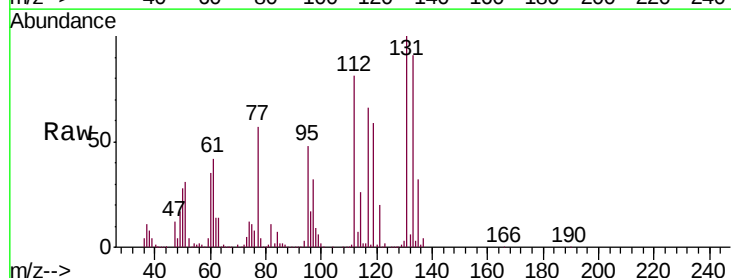
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

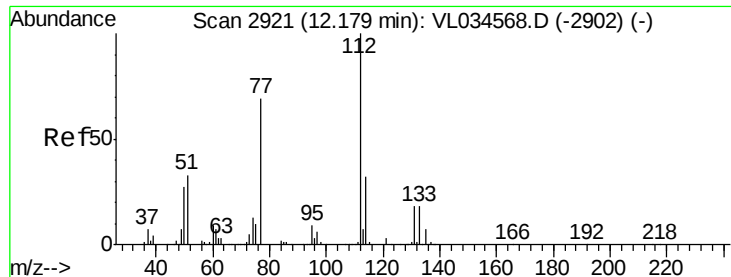
Tgt Ion:117 Resp: 2177928
Ion Ratio Lower Upper
117 100
82 70.0 54.2 81.4
119 30.1 26.1 39.1



#56
1,1,1,2-Tetrachloroethane
Concen: 9.878 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Tgt Ion:131 Resp: 1062107
Ion Ratio Lower Upper
131 100
133 95.2 75.8 113.8
119 58.3 47.0 70.6

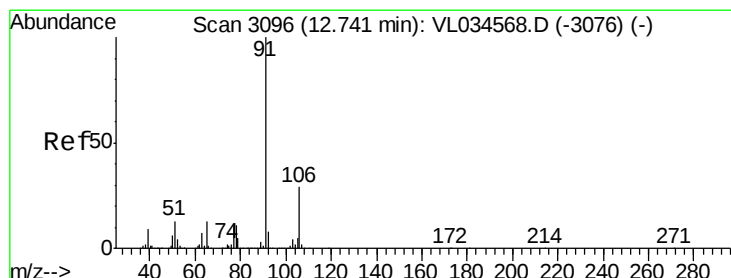
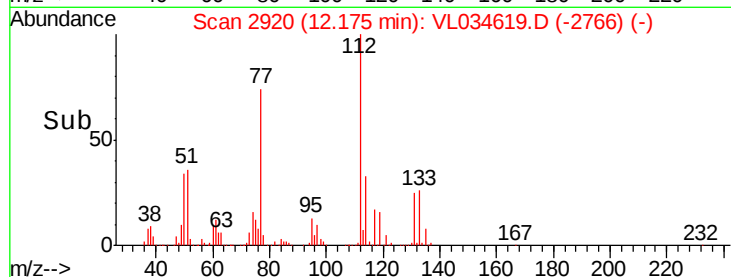
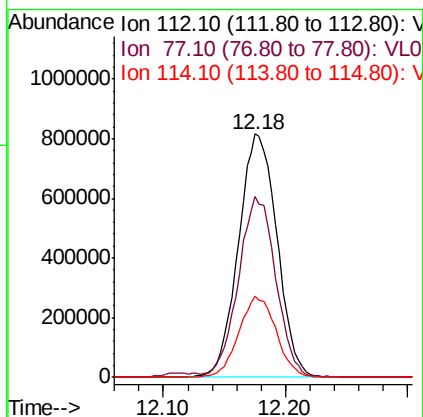
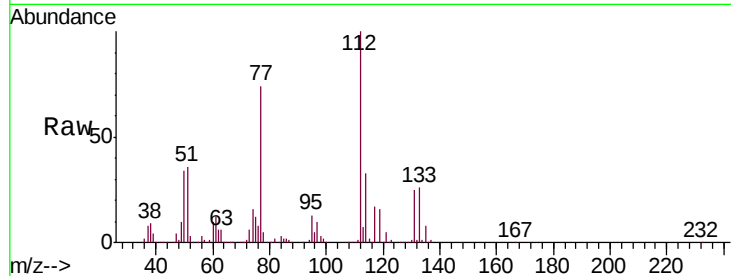




#57
Chlorobenzene
Concen: 9.918 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

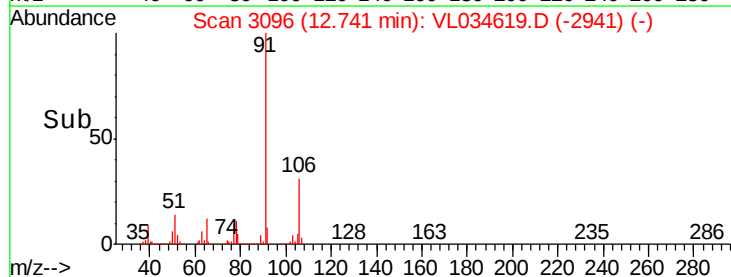
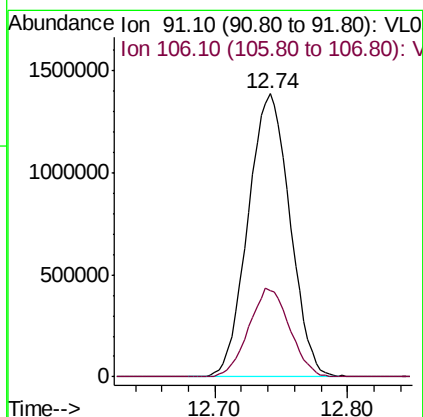
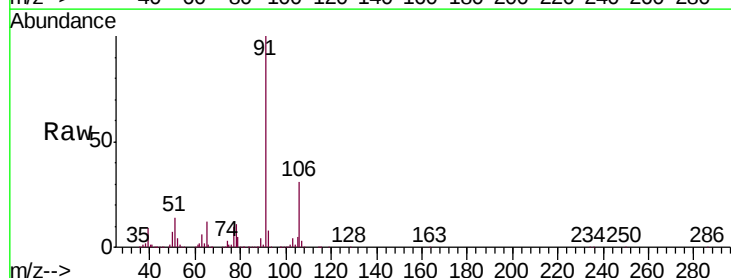
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

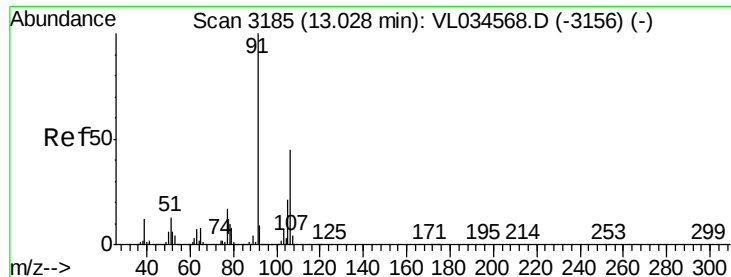
Tgt Ion: 112 Resp: 1777535
Ion Ratio Lower Upper
112 100
77 74.4 56.5 84.7
114 33.3 29.2 35.6



#58
Ethyl Benzene
Concen: 10.463 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Tgt Ion: 91 Resp: 3049338
Ion Ratio Lower Upper
91 100
106 30.7 23.3 34.9





#59

m/p-Xylene

Concen: 10.777 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

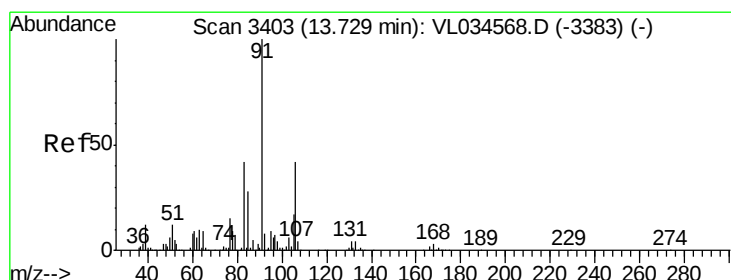
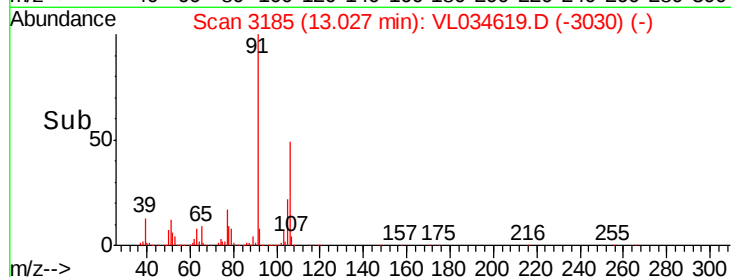
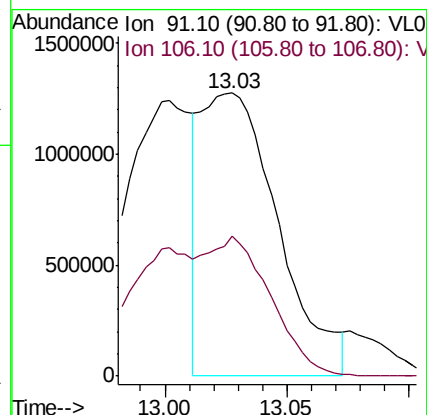
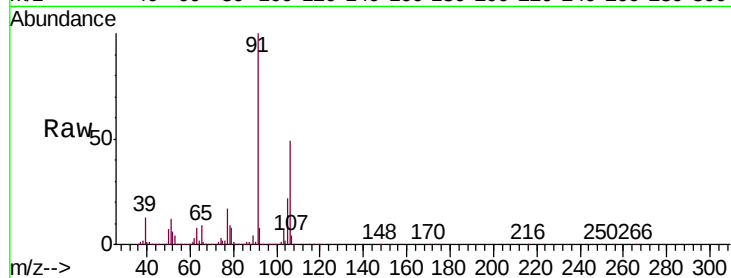
VSTDCCC010

Tgt Ion: 91 Resp: 2776455

Ion Ratio Lower Upper

91 100

106 82.7 35.3 52.9#



#60

o-Xylene

Concen: 10.138 ppbv

RT: 13.73 min Scan# 3403

Delta R.T. -0.00 min

Lab File: VL034619.D

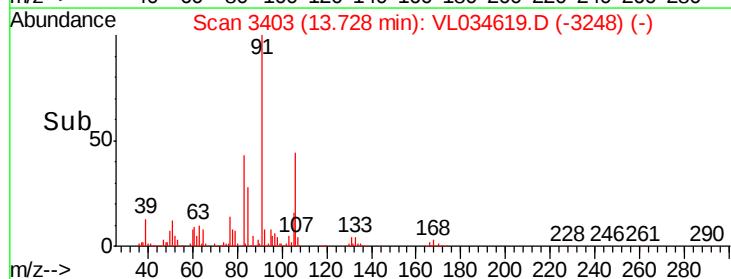
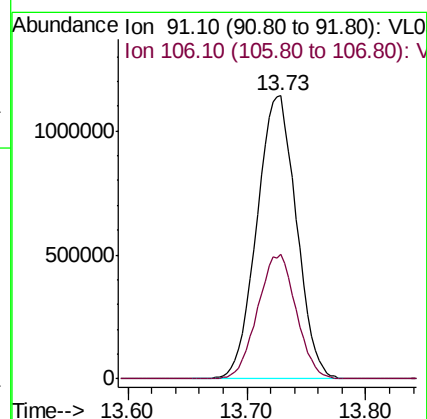
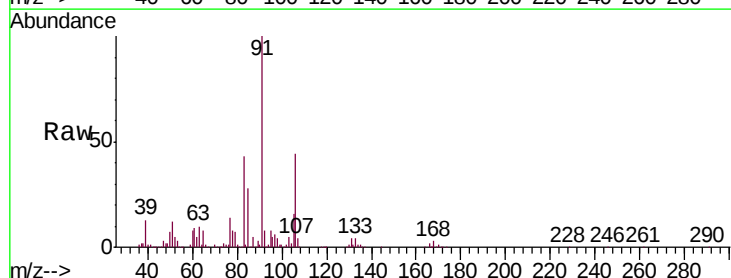
Acq: 18 Feb 2020 9:57

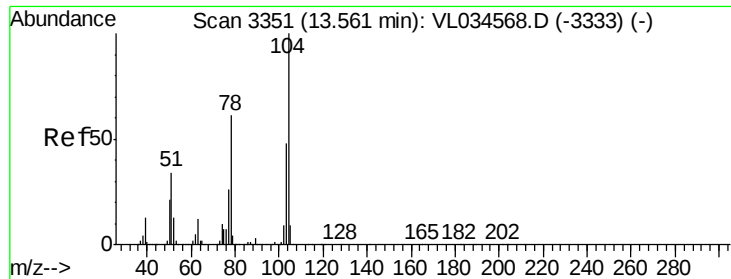
Tgt Ion: 91 Resp: 2623062

Ion Ratio Lower Upper

91 100

106 43.0 21.6 65.0





#61

Styrene

Concen: 11.047 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

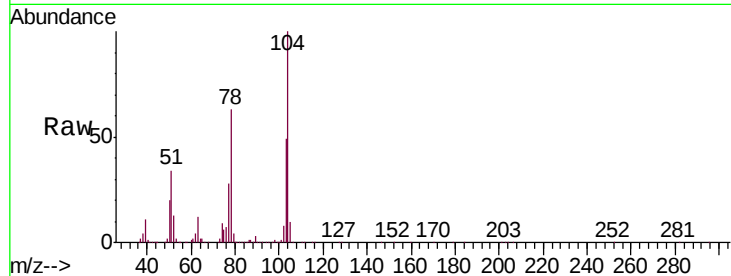
Tgt Ion:104 Resp: 1905829

Ion Ratio Lower Upper

104 100

78 60.0 47.0 70.6

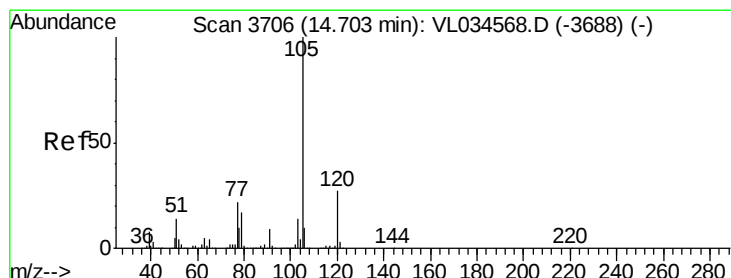
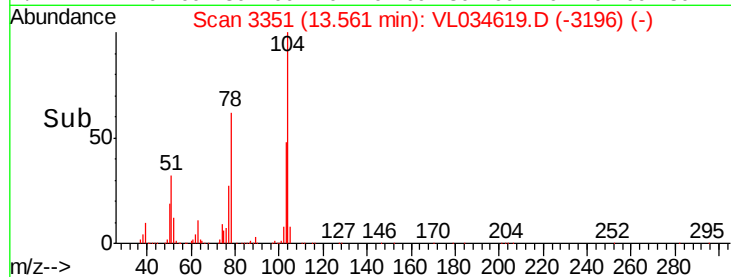
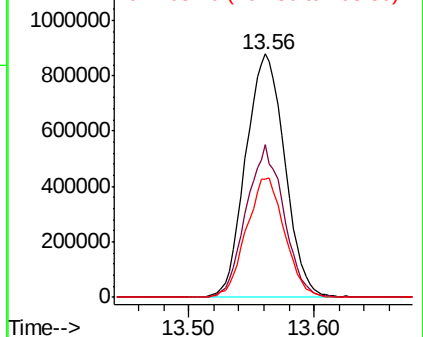
103 48.1 38.5 57.7



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: 10.037 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. -0.00 min

Lab File: VL034619.D

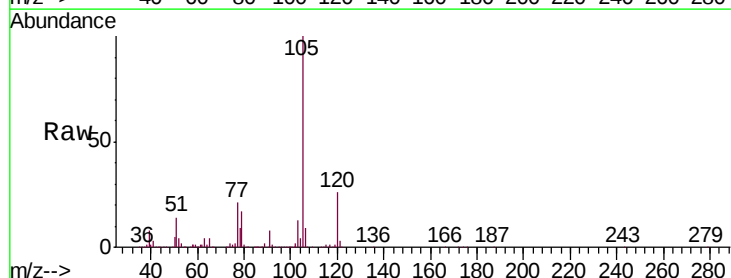
Acq: 18 Feb 2020 9:57

Tgt Ion:105 Resp: 3365299

Ion Ratio Lower Upper

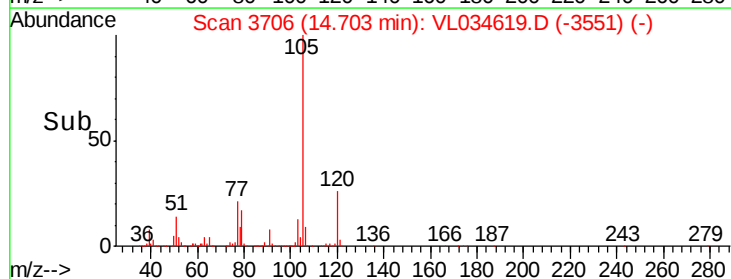
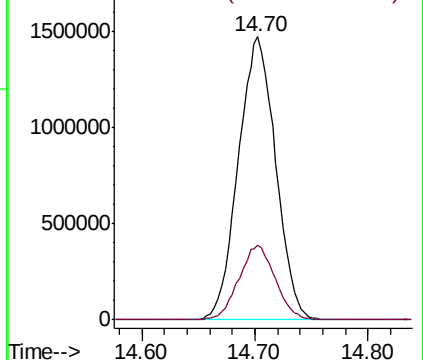
105 100

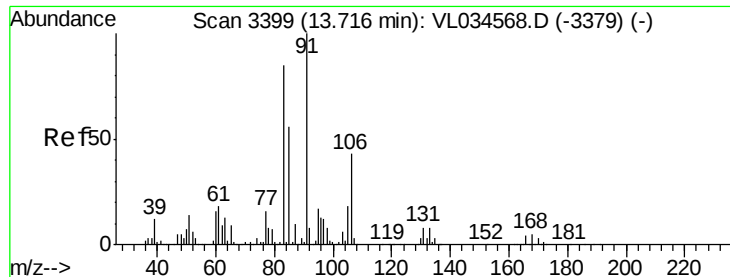
120 25.7 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

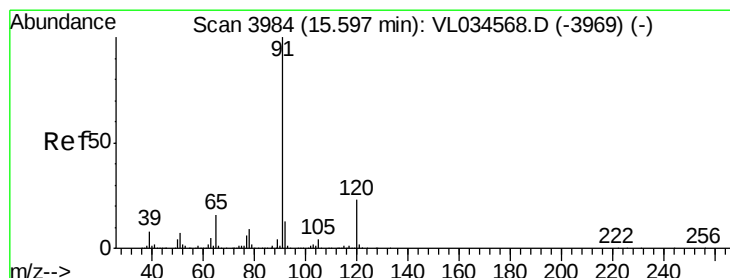
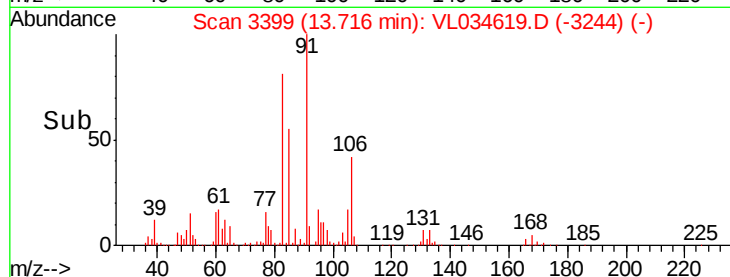
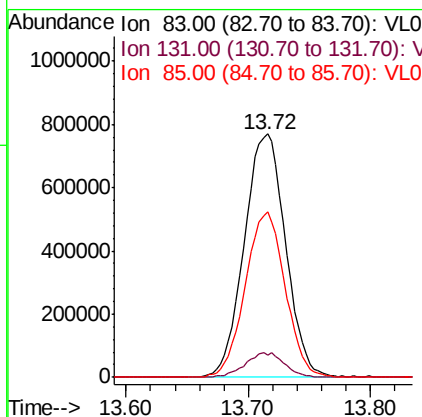
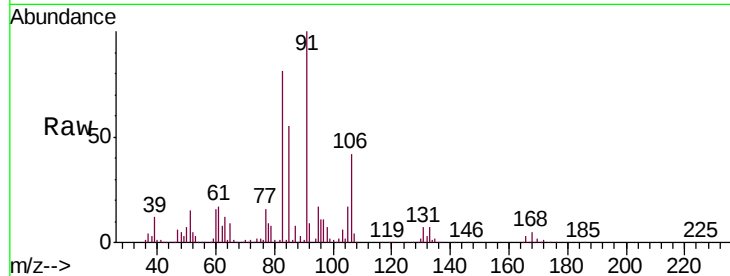




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.994 ppbv
 RT: 13.72 min Scan# 3399
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

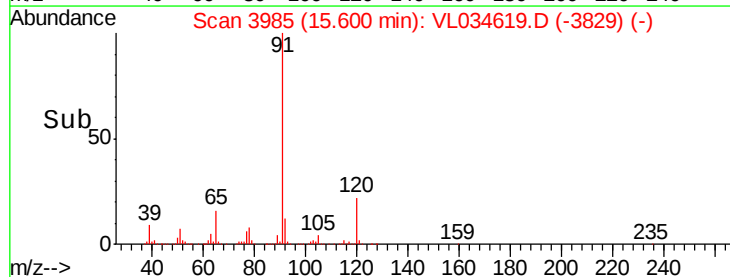
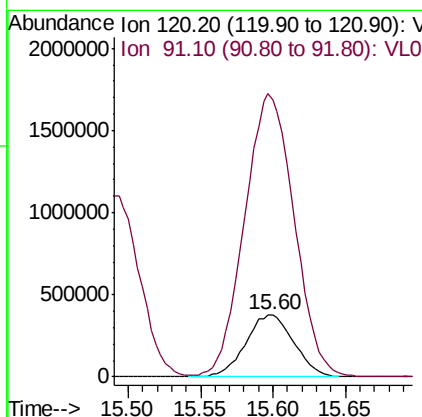
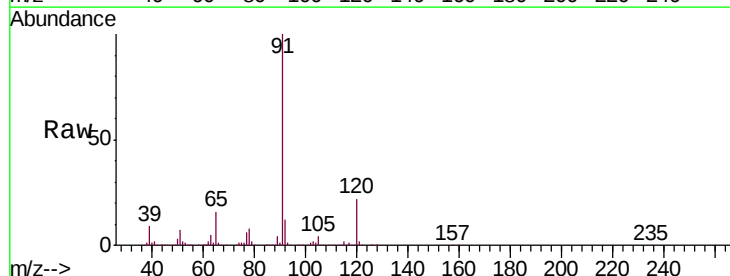
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

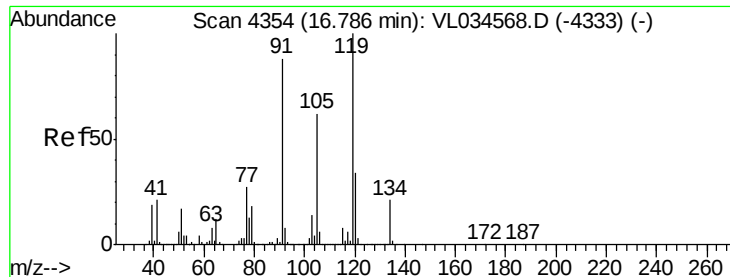
Tgt Ion: 83 Resp: 1799764
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.9 14.6
 85 65.9 32.6 98.0



#64
 n-propylbenzene
 Concen: 10.100 ppbv
 RT: 15.60 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Tgt Ion: 120 Resp: 871237
 Ion Ratio Lower Upper
 120 100
 91 471.2 365.3 547.9





#65

tert-Butylbenzene

Concen: 9.947 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

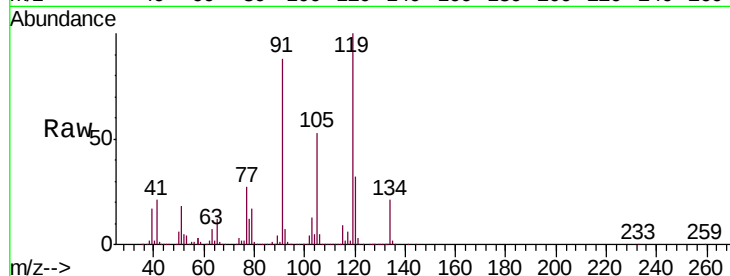
Tgt Ion: 119 Resp: 3021429

Ion Ratio Lower Upper

119 100

91 91.1 72.2 108.4

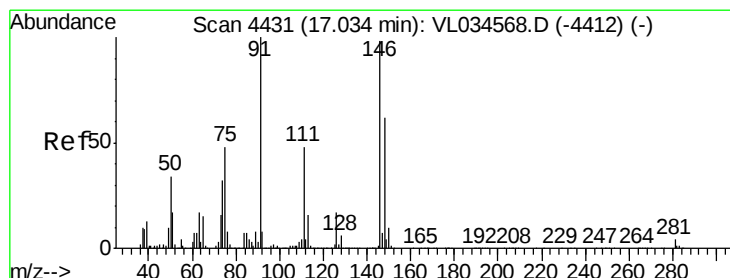
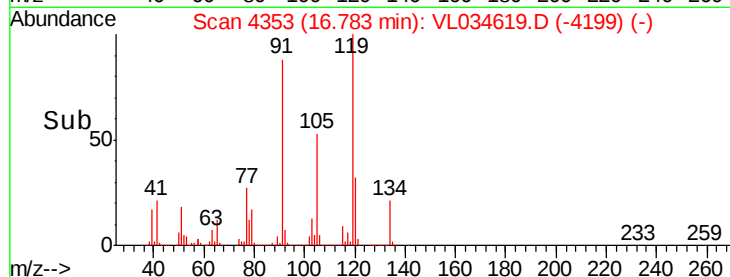
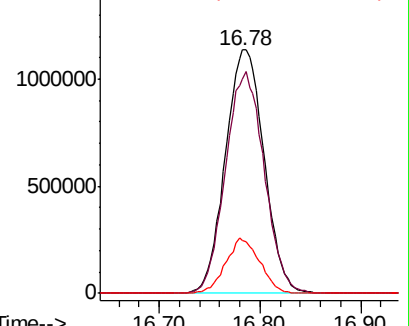
134 19.9 15.9 23.9



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: 11.653 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

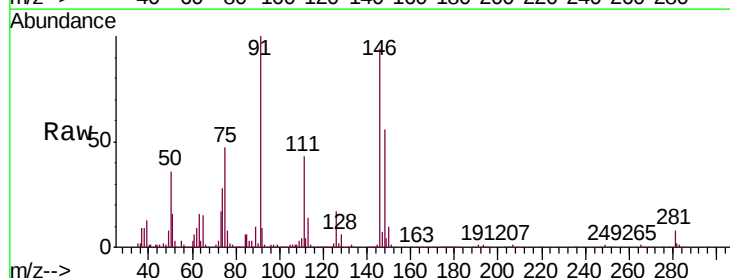
Tgt Ion: 91 Resp: 1484272

Ion Ratio Lower Upper

91 100

126 16.7 13.4 20.0

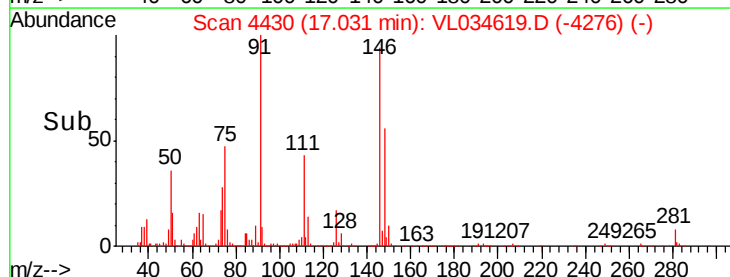
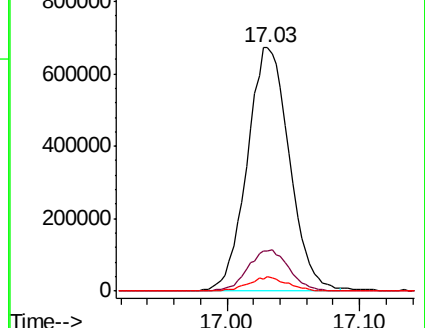
128 5.5 4.3 6.5

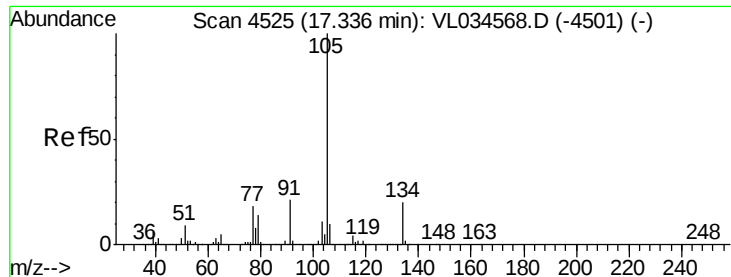


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

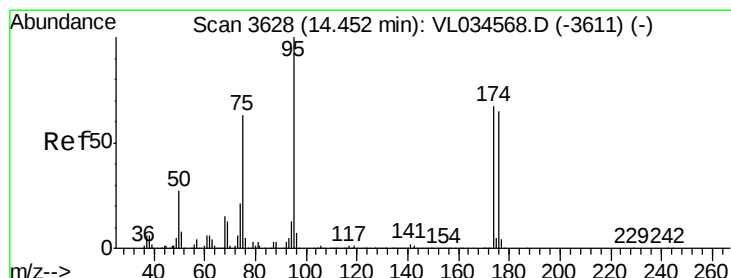
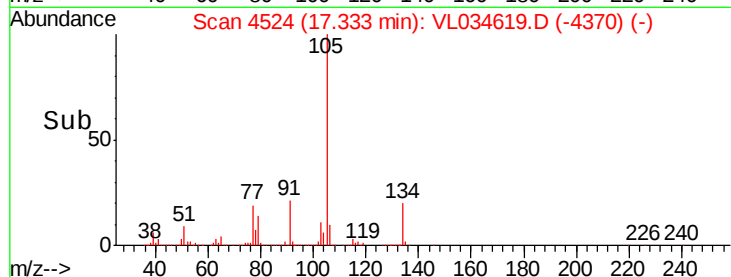
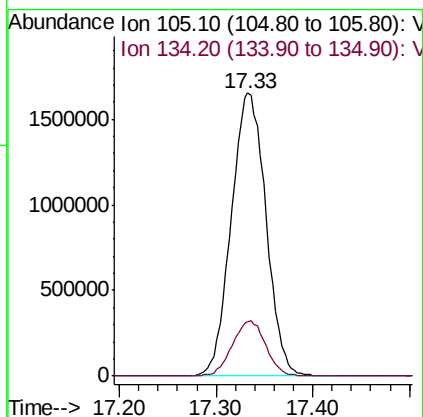
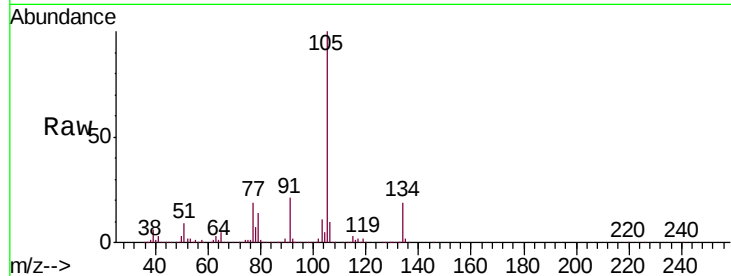




#67
 sec-Butylbenzene
 Concen: 9.863 ppbv
 RT: 17.33 min Scan# 4524
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

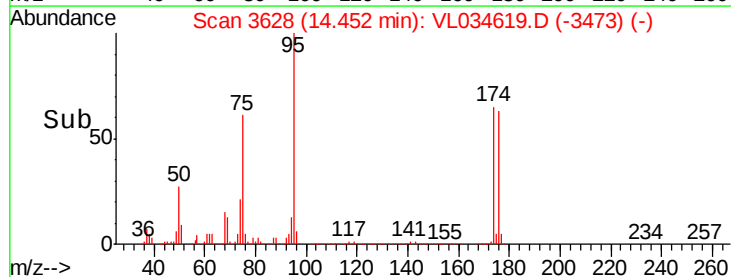
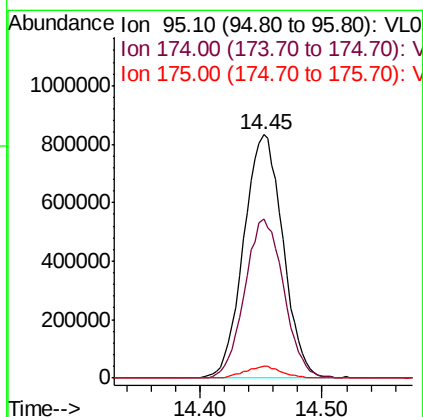
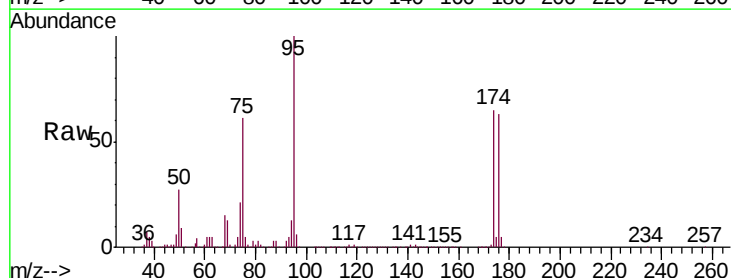
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

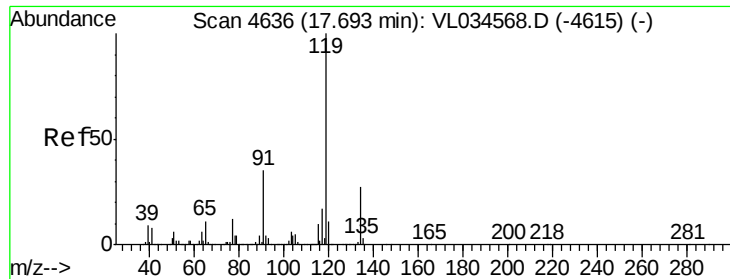
Tgt Ion:105 Resp: 4117146
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.023 ppbv
 RT: 14.45 min Scan# 3628
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Tgt Ion: 95 Resp: 1844919
 Ion Ratio Lower Upper
 95 100
 174 65.2 52.3 78.5
 175 4.6 3.8 5.6

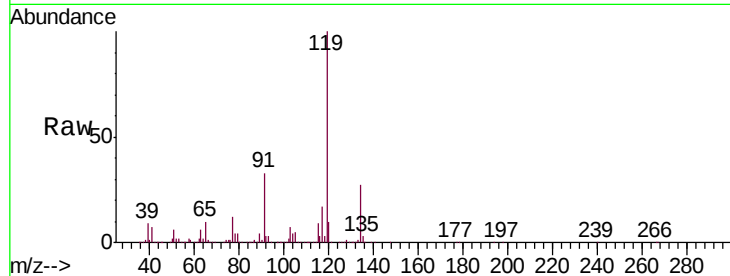




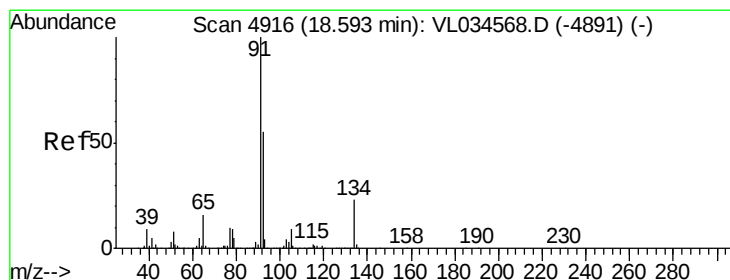
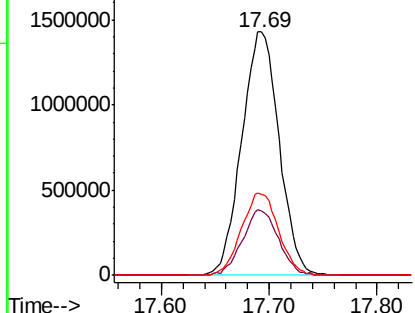
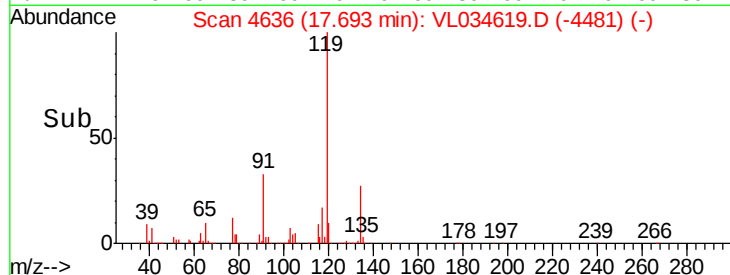
#69
 p-Isopropyltoluene
 Concen: 10.141 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 119 Resp: 3437258
 Ion Ratio Lower Upper
 119 100
 134 26.0 20.7 31.1
 91 33.8 26.9 40.3

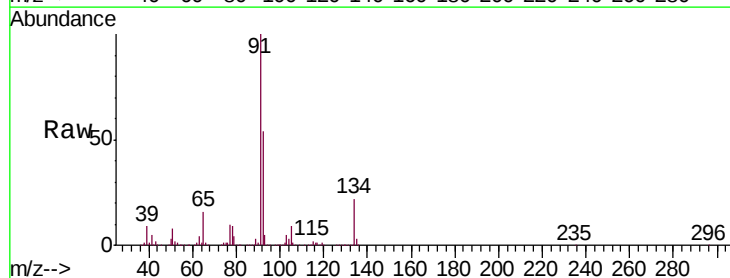


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

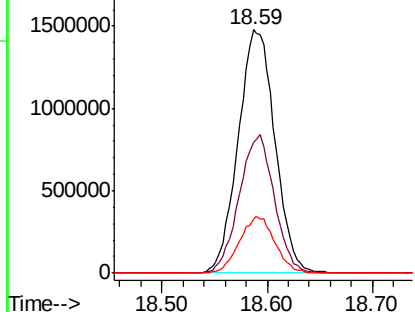
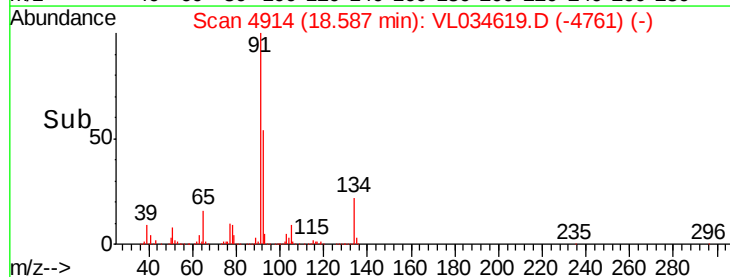


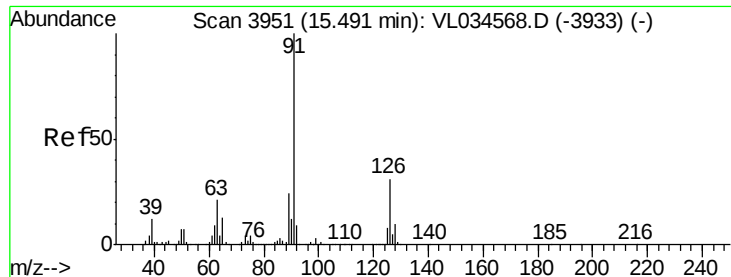
#70
 n-Butylbenzene
 Concen: 9.938 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. -0.01 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Tgt Ion: 91 Resp: 3575734
 Ion Ratio Lower Upper
 91 100
 92 54.5 43.6 65.4
 134 22.4 18.2 27.4



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: 10.291 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

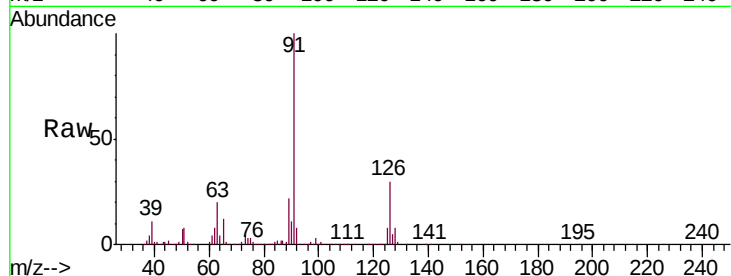
VSTDCCC010

Tgt Ion: 91 Resp: 2619180

Ion Ratio Lower Upper

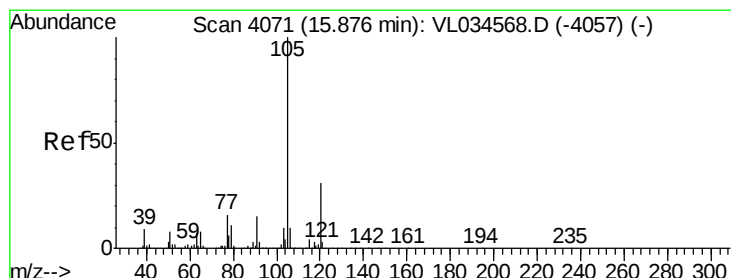
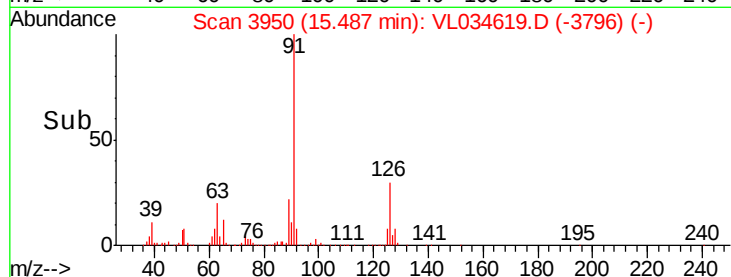
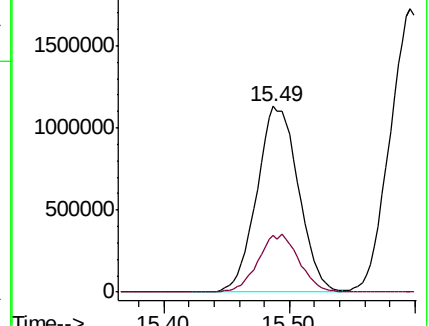
91 100

126 30.3 12.0 47.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.359 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Tgt Ion: 105 Resp: 2944071

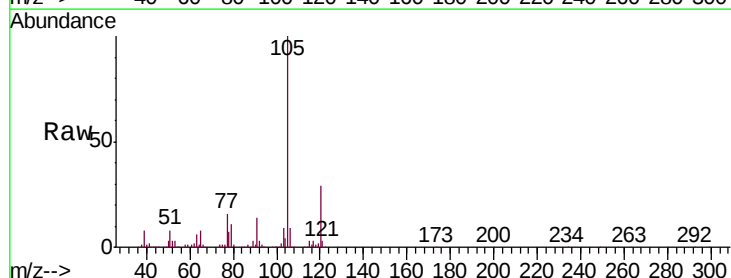
Ion Ratio Lower Upper

105 100

120 28.9 23.8 35.6

91 14.8 11.8 17.8

77 16.1 13.0 19.6

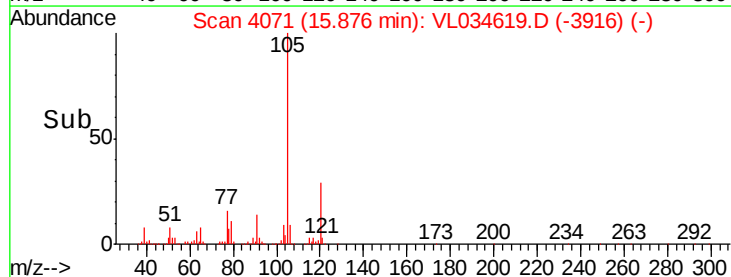
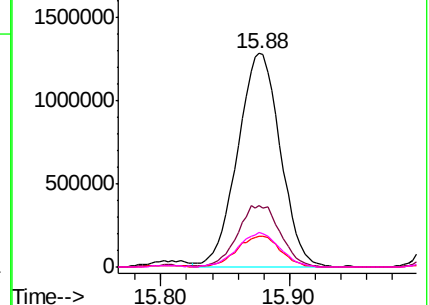


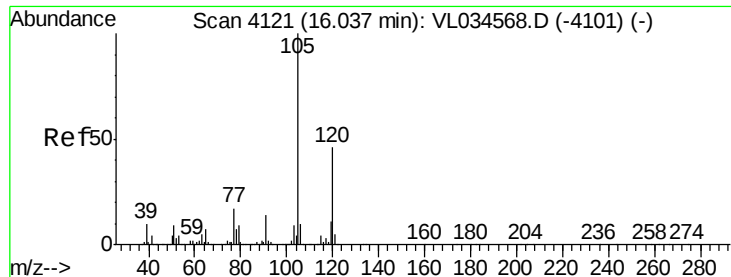
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 10.190 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

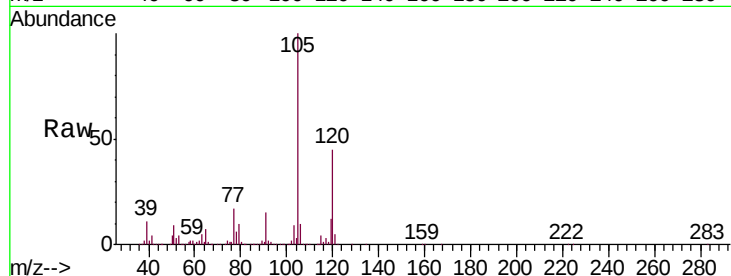
VSTDCCC010

Tgt Ion:105 Resp: 2829955

Ion Ratio Lower Upper

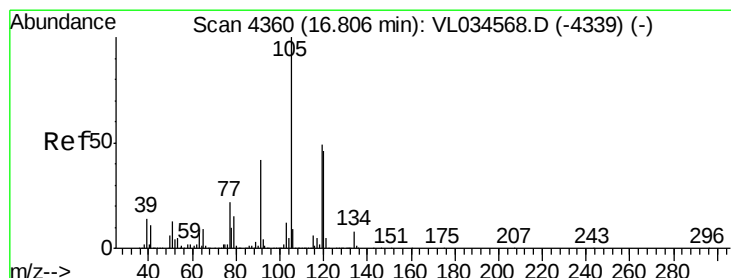
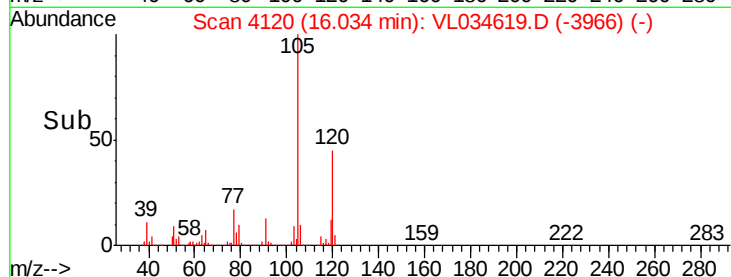
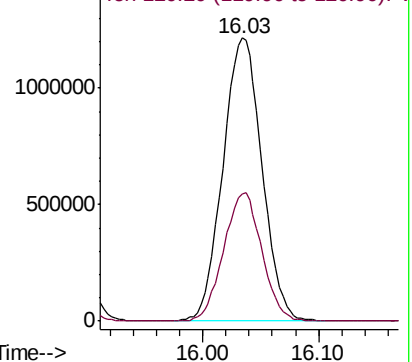
105 100

120 44.9 37.0 55.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.617 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Tgt Ion:105 Resp: 2956566

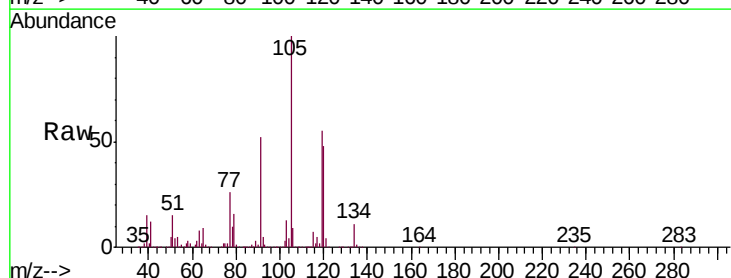
Ion Ratio Lower Upper

105 100

120 47.9 37.1 55.7

91 51.4 34.3 51.5

77 25.7 17.5 26.3

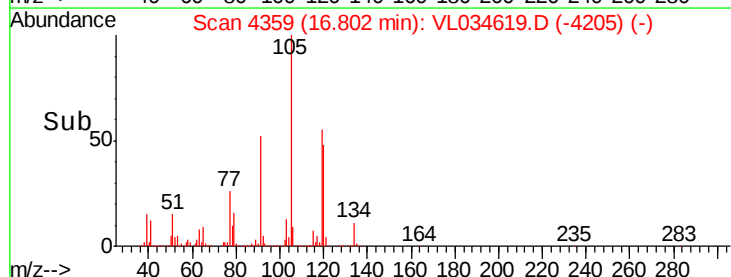
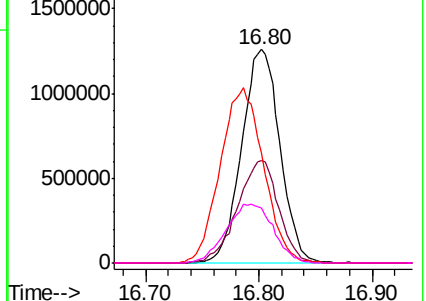


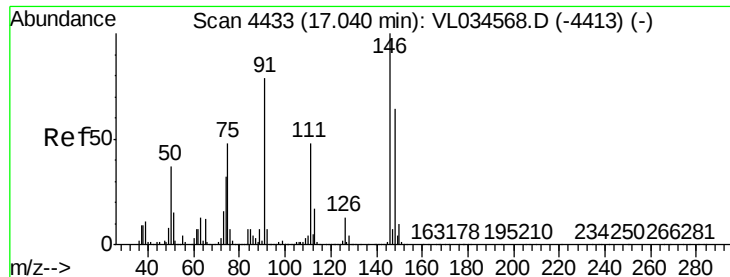
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 9.403 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

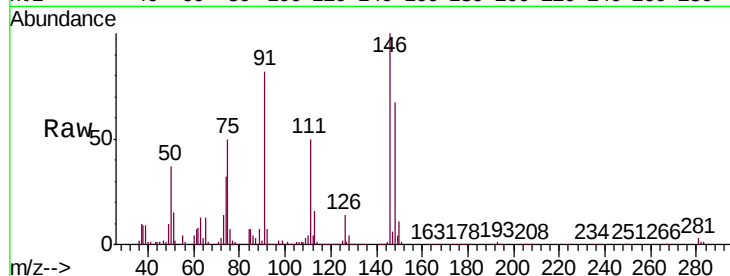
Tgt Ion:146 Resp: 1664433

Ion Ratio Lower Upper

146 100

111 49.0 24.7 74.1

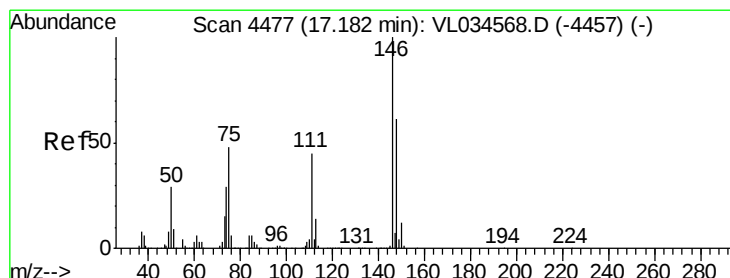
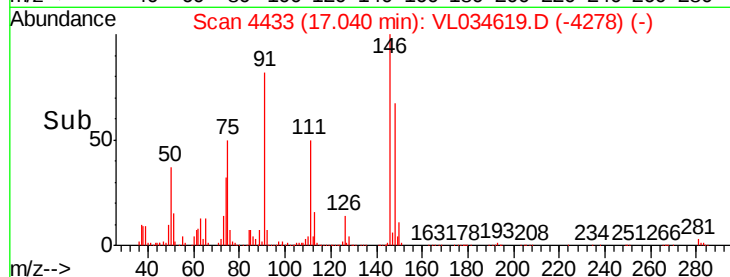
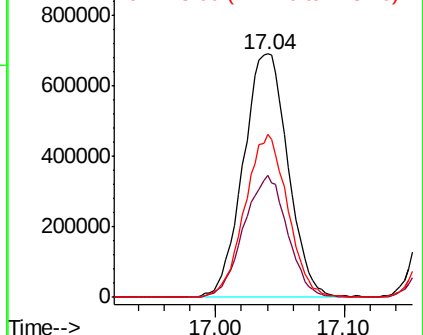
148 64.2 32.8 98.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.482 ppbv

RT: 17.18 min Scan# 4476

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

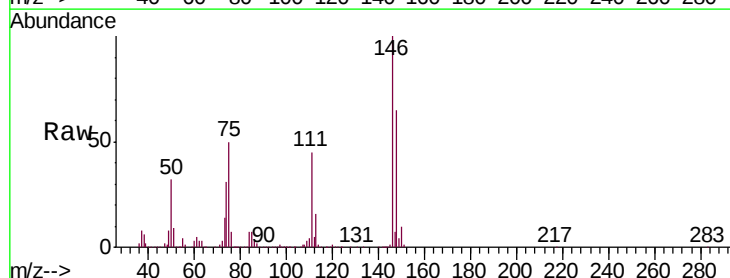
Tgt Ion:146 Resp: 1654257

Ion Ratio Lower Upper

146 100

111 47.7 24.1 72.2

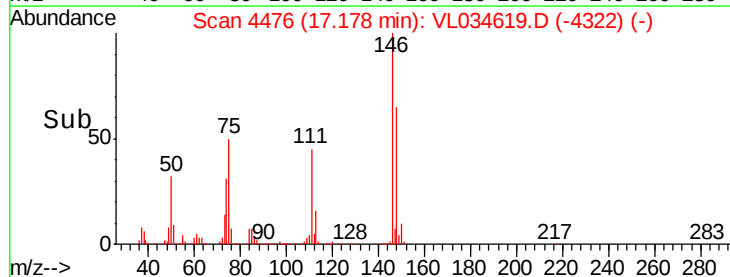
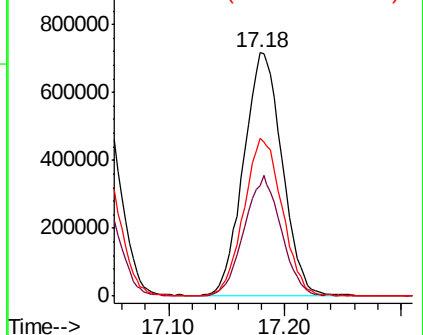
148 64.7 32.6 98.0

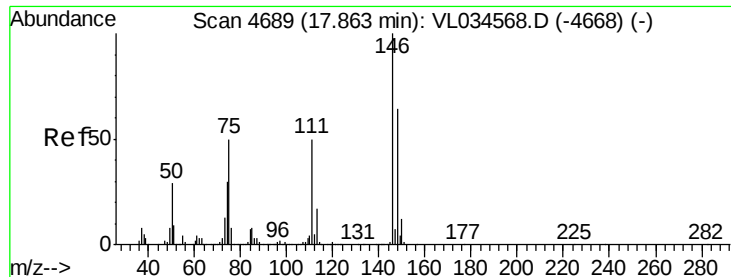


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

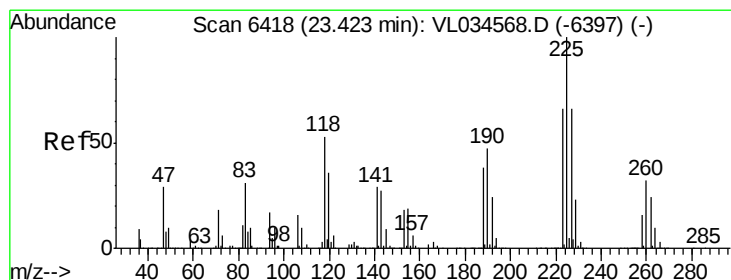
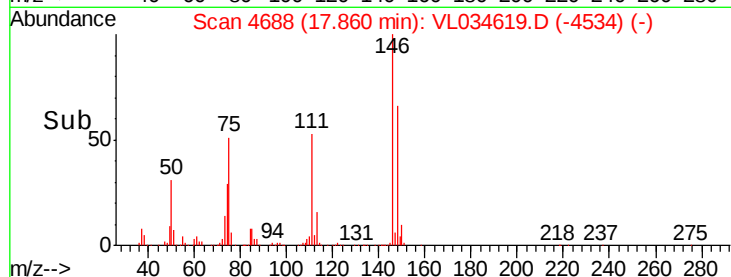
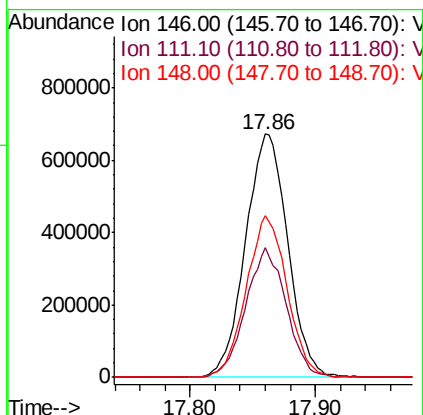
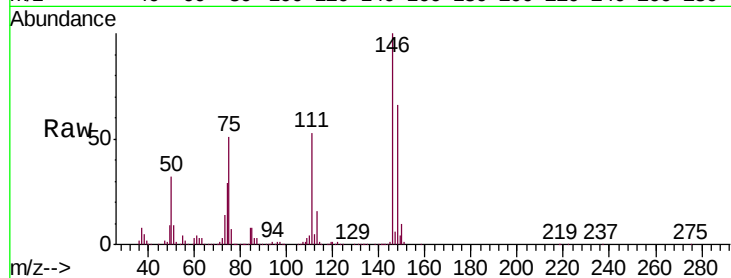




#77
 1,2-Dichlorobenzene
 Concen: 9.235 ppbv
 RT: 17.86 min Scan# 4688
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

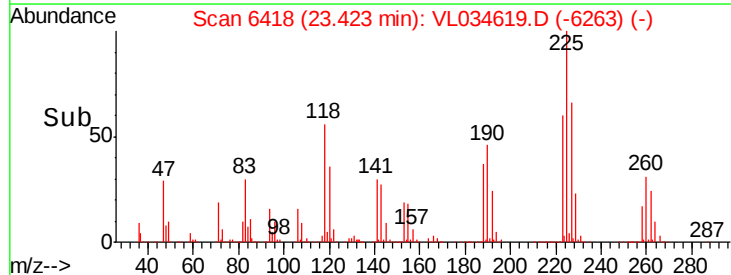
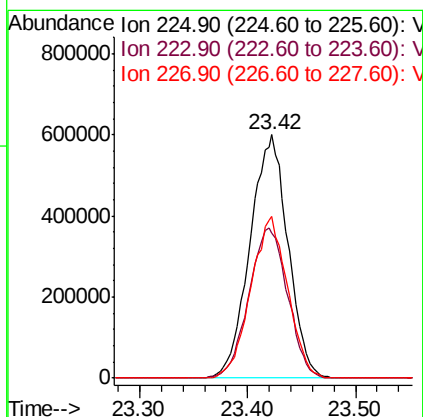
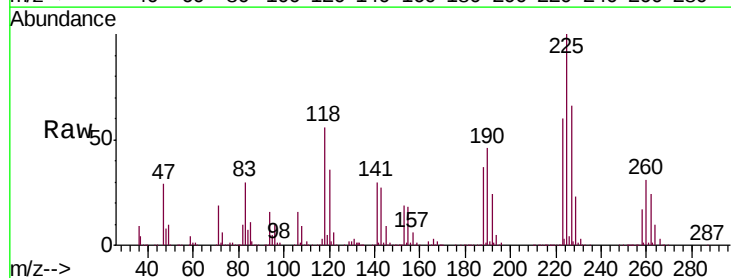
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

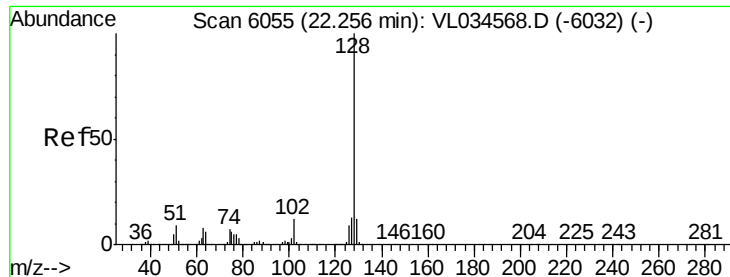
Tgt Ion:146 Resp: 1570353
 Ion Ratio Lower Upper
 146 100
 111 51.1 25.1 75.3
 148 64.4 32.2 96.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.001 ppbv
 RT: 23.42 min Scan# 6418
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Tgt Ion:225 Resp: 1463787
 Ion Ratio Lower Upper
 225 100
 223 63.0 50.9 76.3
 227 64.6 51.6 77.4





#79

Naphthalene

Concen: 10.307 ppbv

RT: 22.26 min Scan# 6055

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

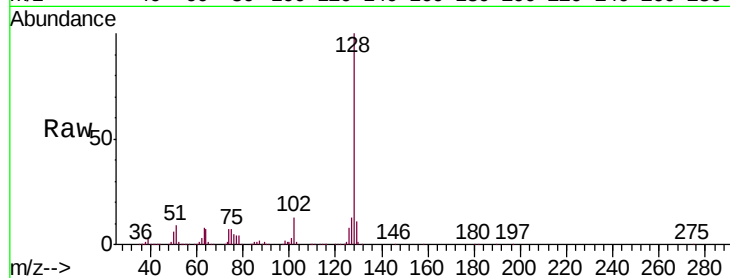
Tgt Ion:128 Resp: 2494659

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

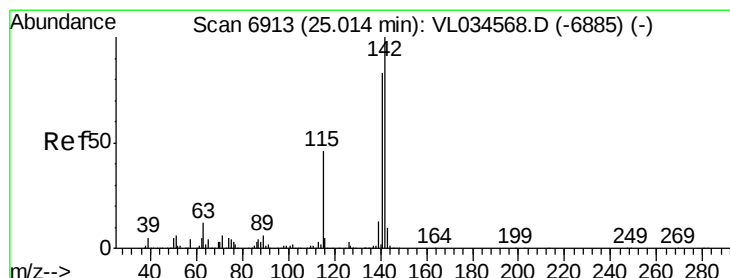
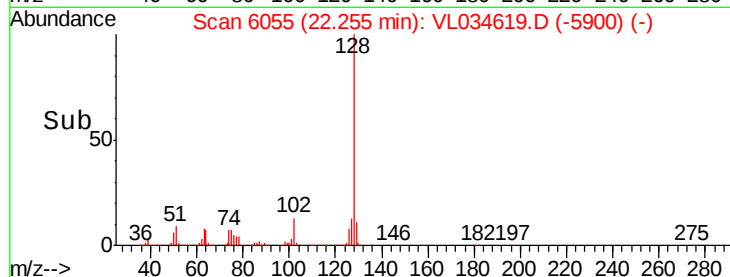
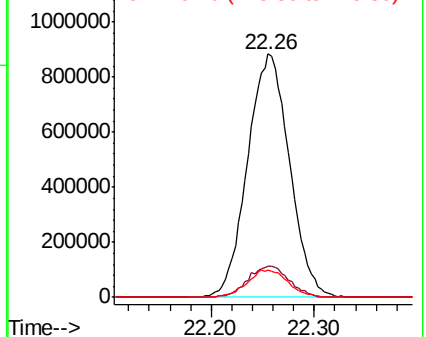
129 11.4 9.3 13.9



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 13.671 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. -0.01 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

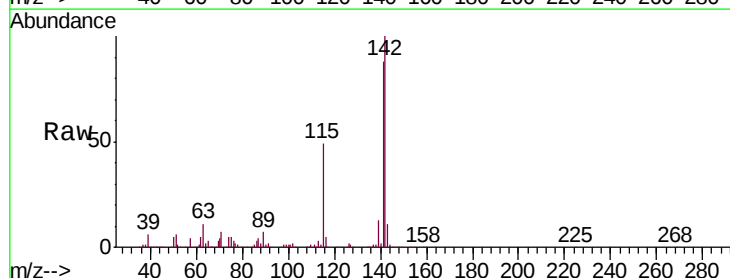
Tgt Ion:142 Resp: 1272931

Ion Ratio Lower Upper

142 100

141 84.7 67.0 100.4

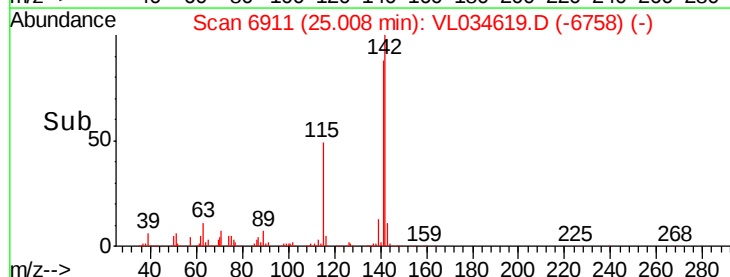
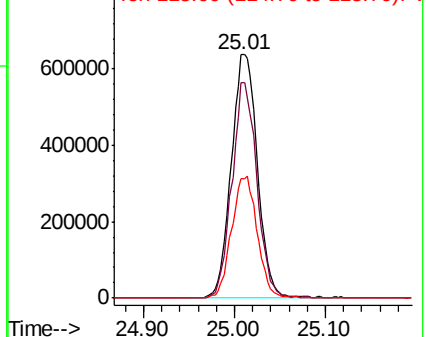
115 49.0 39.5 59.3

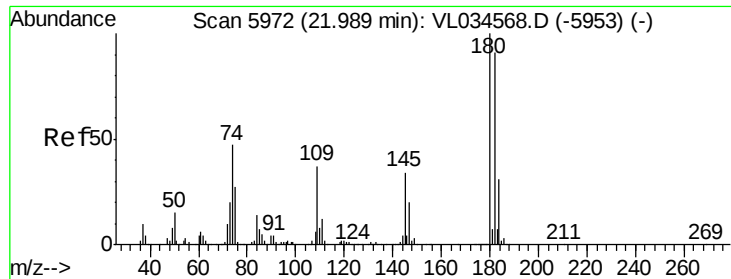


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.187 ppbv
 RT: 21.99 min Scan# 5972
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 1519991
 Ion Ratio Lower Upper
 180 100
 182 97.5 77.8 116.6
 184 30.7 25.4 38.0

