

Data File : VL034847.D
Acq On : 9 Mar 2020 16:09
Operator : SY/AP
Sample : VSTDIC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Quant Time: Mar 09 16:39:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 15:34:13 2020
QLast Update : Mon Mar 09 15:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	923566	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2138419	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2290762	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1741401	9.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	1243332	8.249	ppbv	97
3) Chlorodifluoromethane	2.94	51	1390153	13.212	ppbv	99
4) Chloromethane	3.10	50	813786	14.359	ppbv	98
5) Vinyl Chloride	3.22	62	776893	12.976	ppbv	92
6) Bromomethane	3.44	94	449231	13.747	ppbv	98
7) Chloroethane	3.52	64	288242	13.923	ppbv	94
8) Dichlorotetrafluoroethane	3.15	85	1648298	12.589	ppbv	99
9) Propene	2.97	41	673057	16.251	ppbv	99
10) Heptane	8.13	43	1747239	16.600	ppbv	100
11) Trichlorofluoromethane	3.92	101	1752926	12.997	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1243795	13.366	ppbv	99
13) Ethanol	3.57	45	190471	13.423	ppbv	92
14) Bromoethene	3.71	108	563140	14.748	ppbv	99
15) Acetone	3.82	43	1436289	12.987	ppbv	99
16) 1,3-Butadiene	3.29	39	755614	15.100	ppbv	98
17) tert-Butyl alcohol	4.27	59	1653446	18.960	ppbv	100
18) 1,1-Dichloroethene	4.26	96	565434	13.778	ppbv	99
19) Isopropyl Alcohol	3.94	45	1096673	16.550	ppbv #	39
20) Methylene Chloride	4.32	84	495857	12.562	ppbv	91
21) Allyl Chloride	4.39	41	1066997	15.235	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	578829	14.448	ppbv	97
23) Vinyl Acetate	5.06	43	2465690	16.626	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1596991	13.874	ppbv	100
25) Ethyl Acetate	5.66	43	2852694	14.926	ppbv	100
26) Hexane	5.67	57	1259940	15.091	ppbv	99
27) Carbon Disulfide	4.53	76	1515403	15.537	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2097384	16.878	ppbv	98
29) Chloroform	5.75	83	1878482	13.366	ppbv	99
30) Cyclohexane	7.13	84	1095800	17.155	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1306589	15.258	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	1889084	13.602	ppbv	98
34) 2-Butanone	5.23	43	1952324	14.033	ppbv	99
35) Carbon Tetrachloride	7.02	117	1945079	12.054	ppbv	97
36) Benzene	6.90	78	2576782	14.102	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1484210	11.891	ppbv	100
38) Trichloroethene	7.84	130	991759	13.926	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1036779	14.059	ppbv	98
40) 1,4-Dioxane	7.84	88	366787	14.381	ppbv #	96
41) Tetrahydrofuran	6.04	42	1132698	15.957	ppbv	99
42) Bromodichloromethane	7.80	83	2051266	12.989	ppbv	99
43) Methyl Methacrylate	8.02	69	1176187	15.190	ppbv	100

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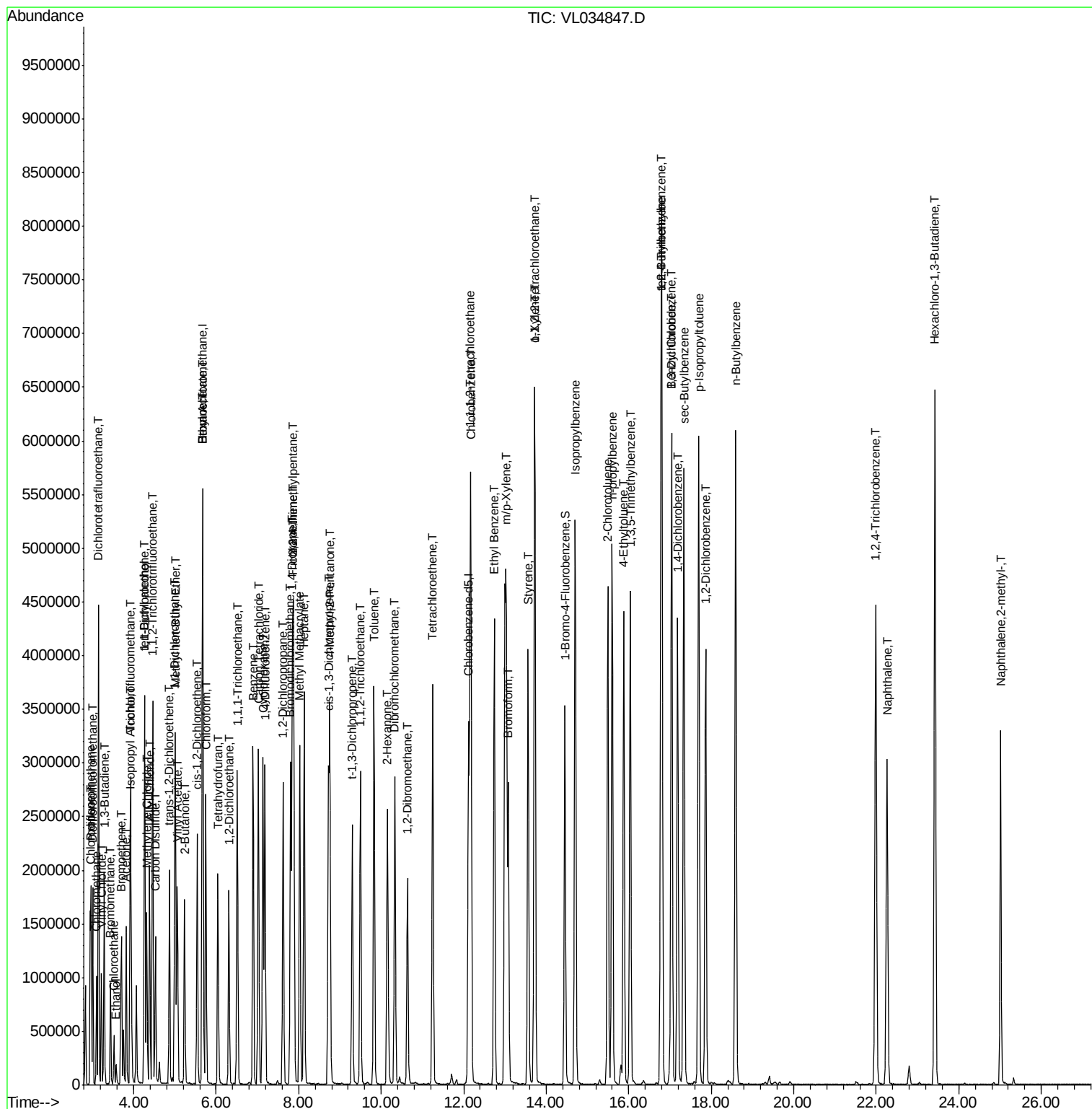
Quant Time: Mar 09 16:39:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 15:34:13 2020
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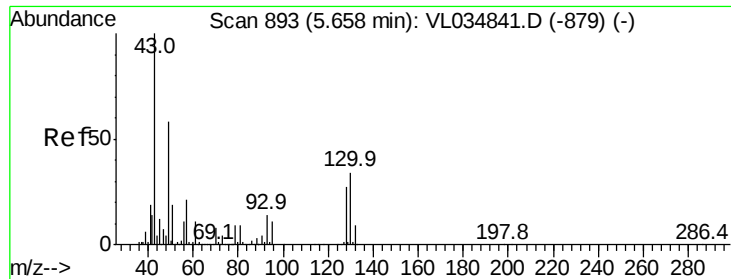
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4299434	13.464	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	1460206	17.963	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1656887	16.692	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1072749	13.779	ppbv	98
48) Dibromochloromethane	10.33	129	1829159	15.025	ppbv	99
49) Bromoform	13.08	173	1675810	15.775	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2886040	14.478	ppbv	100
51) 2-Hexanone	10.15	43	2430544	15.544	ppbv #	100
52) Tetrachloroethene	11.25	164	960831	14.232	ppbv	94
53) Toluene	9.83	91	3043738	15.738	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1644548	14.285	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1359264	13.392	ppbv	96
57) Chlorobenzene	12.18	112	2264646	12.942	ppbv	99
58) Ethyl Benzene	12.74	91	4042558	14.320	ppbv	99
59) m/p-Xylene	13.03	91	3030802	12.402	ppbv #	18
60) o-Xylene	13.73	91	3185599	12.884	ppbv	99
61) Styrene	13.56	104	2511123	16.371	ppbv	99
62) Isopropylbenzene	14.71	105	4851154	13.331	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	2229396	11.438	ppbv	99
64) n-propylbenzene	15.60	120	1339018	14.675	ppbv	93
65) tert-Butylbenzene	16.79	119	4223866	13.735	ppbv	99
66) Benzyl Chloride	17.04	91	2071483	20.835	ppbv	100
67) sec-Butylbenzene	17.34	105	5938376	13.252	ppbv	99
69) p-Isopropyltoluene	17.70	119	5095890	14.052	ppbv	99
70) n-Butylbenzene	18.59	91	5200582	13.115	ppbv	98
71) 2-Chlorotoluene	15.49	91	3761605	13.686	ppbv	99
72) 4-Ethyltoluene	15.88	105	3984727	14.475	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3732209	14.134	ppbv	100
74) 1,2,4-Trimethylbenzene	16.81	105	3745572	13.048	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	2230645	13.127	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2284950	14.052	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	2206709	13.575	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	1938070	14.286	ppbv	100
79) Naphthalene	22.26	128	4003264	18.557	ppbv	97
80) Naphthalene,2-methyl-	25.01	142	1823982	35.401	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	2295420	16.832	ppbv	100

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

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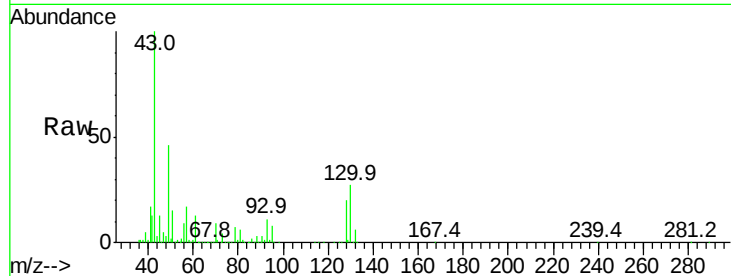
Tgt Ion: 49 Resp: 923566

Ion Ratio Lower Upper

49 100

128 46.2 23.4 70.3

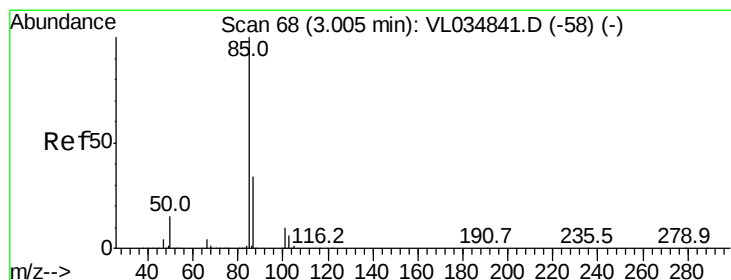
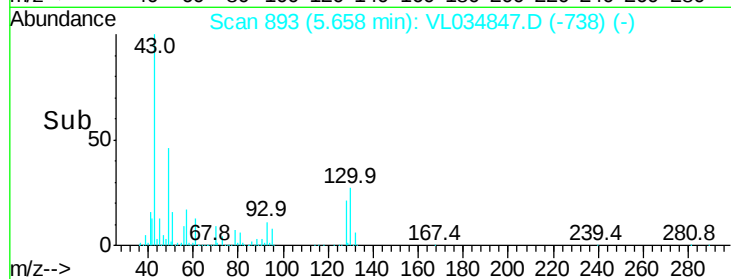
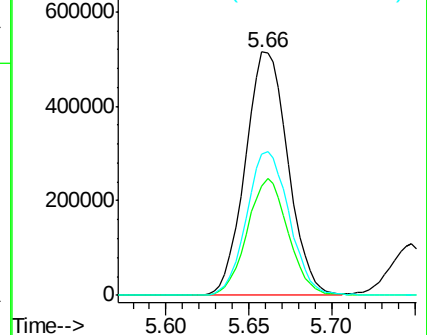
130 59.2 30.0 90.0



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: 8.249 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL034847.D

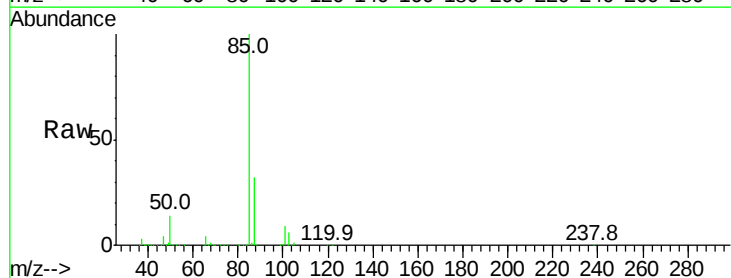
Acq: 9 Mar 2020 16:09

Tgt Ion: 85 Resp: 1243332

Ion Ratio Lower Upper

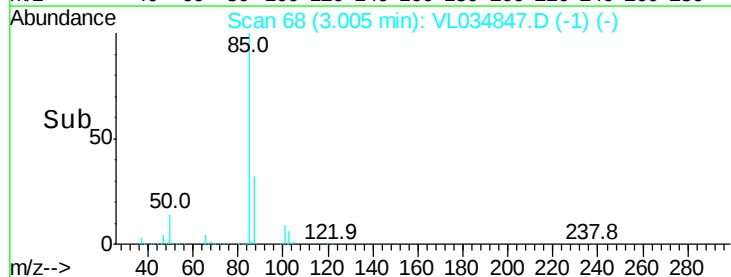
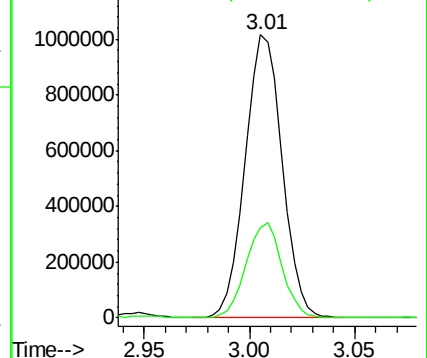
85 100

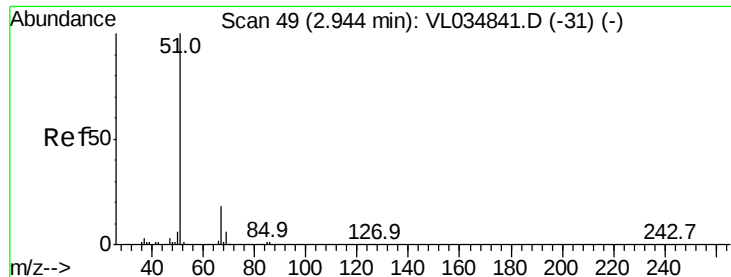
87 31.9 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

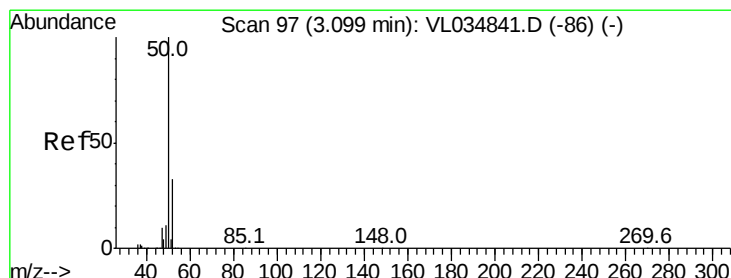
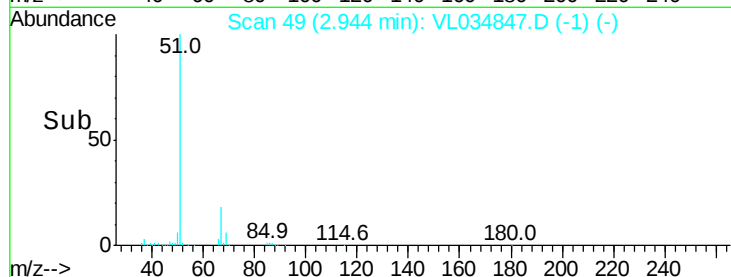
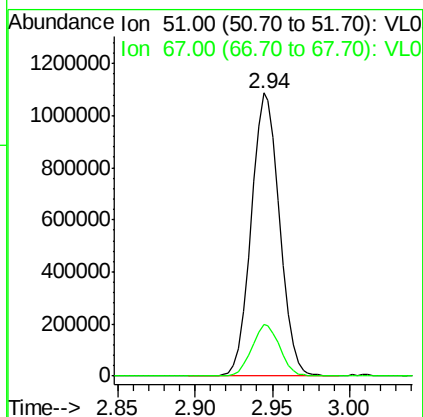
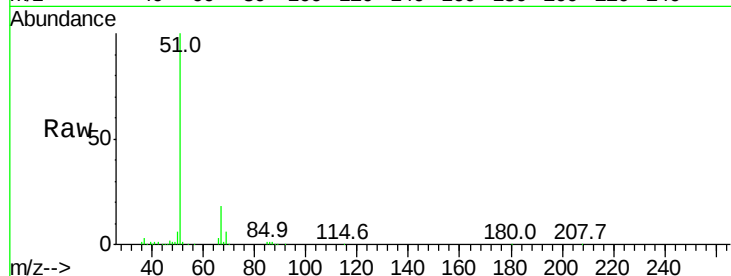




#3
Chlorodifluoromethane
Concen: 13.212 ppbv
RT: 2.94 min Scan# 49
Delta R.T. -0.00 min
Lab File: VL034847.D
Acq: 9 Mar 2020 16:09

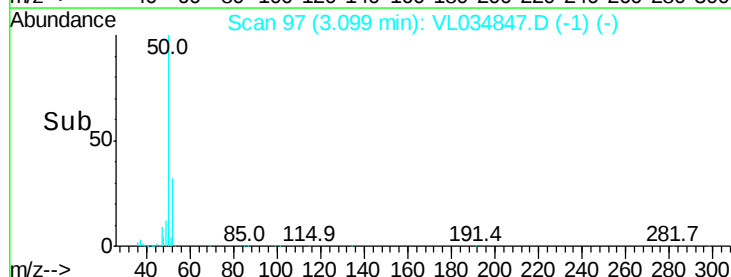
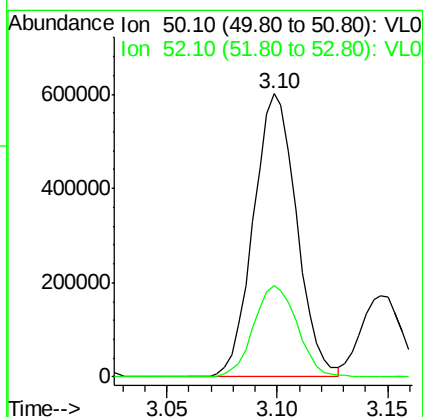
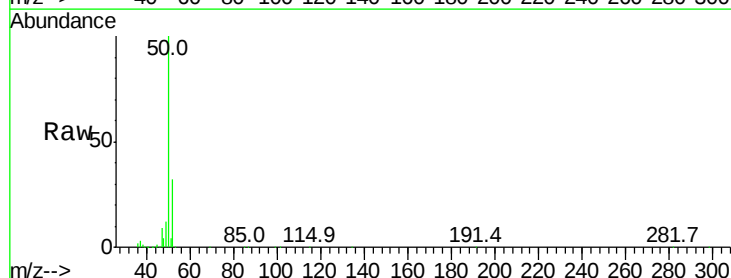
Instrument :
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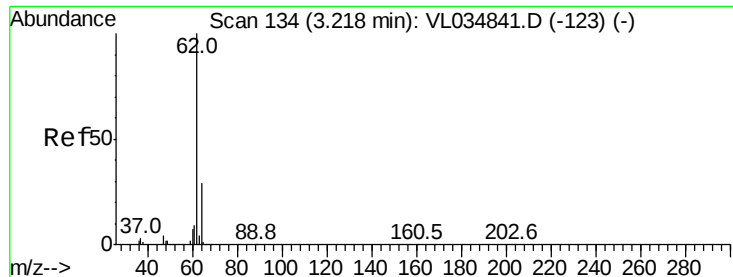
Tgt Ion: 51 Resp: 1390153
Ion Ratio Lower Upper
51 100
67 18.1 14.3 21.5



#4
Chloromethane
Concen: 14.359 ppbv
RT: 3.10 min Scan# 97
Delta R.T. -0.00 min
Lab File: VL034847.D
Acq: 9 Mar 2020 16:09

Tgt Ion: 50 Resp: 813786
Ion Ratio Lower Upper
50 100
52 32.5 26.8 40.2





#5

Vinyl Chloride

Concen: 12.976 ppbv

RT: 3.22 min Scan# 134

Delta R.T. -0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

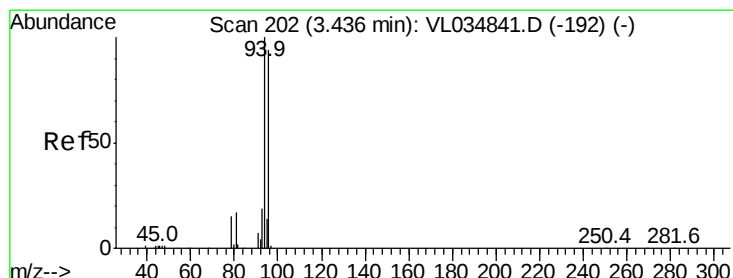
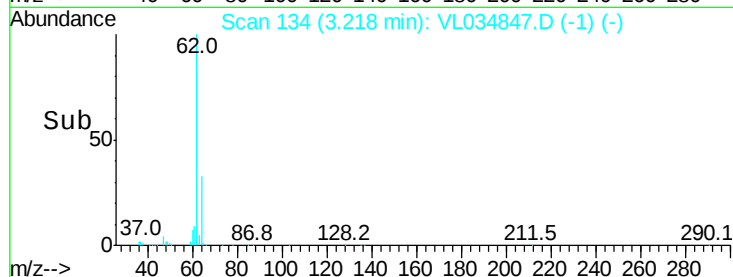
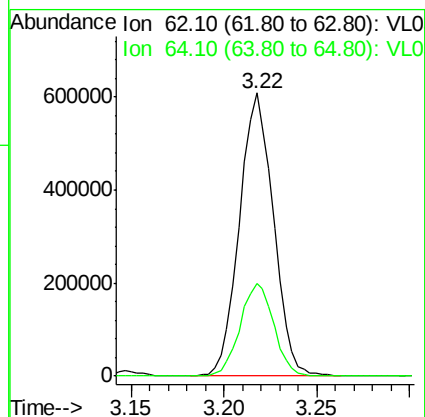
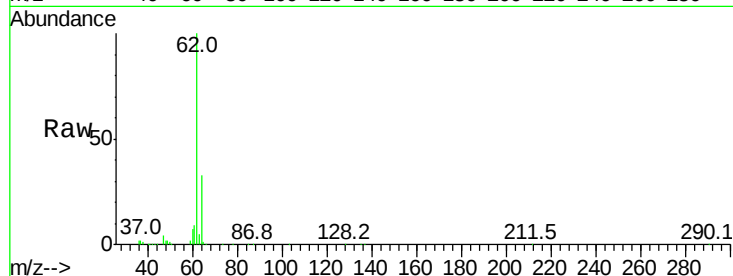
VSTDIC015

Tgt Ion: 62 Resp: 776893

Ion Ratio Lower Upper

62 100

64 32.7 23.0 34.4



#6

Bromomethane

Concen: 13.747 ppbv

RT: 3.44 min Scan# 202

Delta R.T. -0.00 min

Lab File: VL034847.D

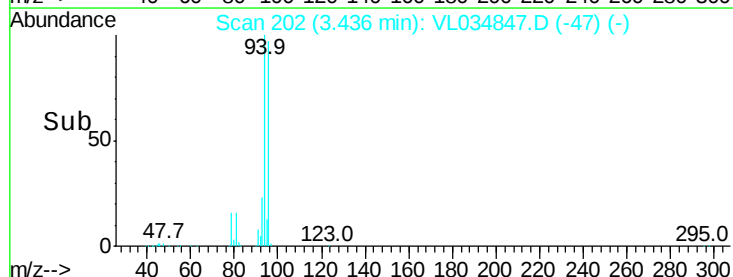
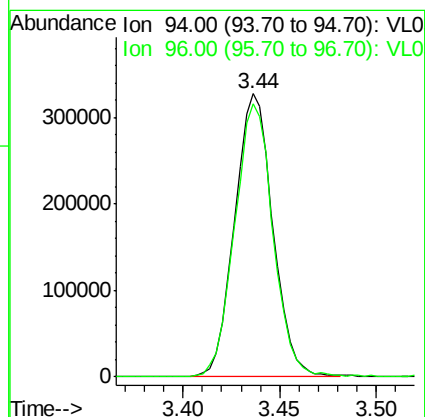
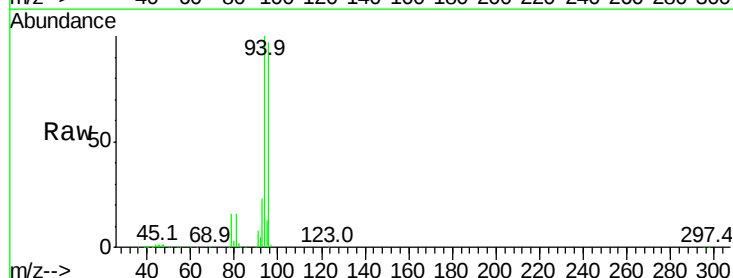
Acq: 9 Mar 2020 16:09

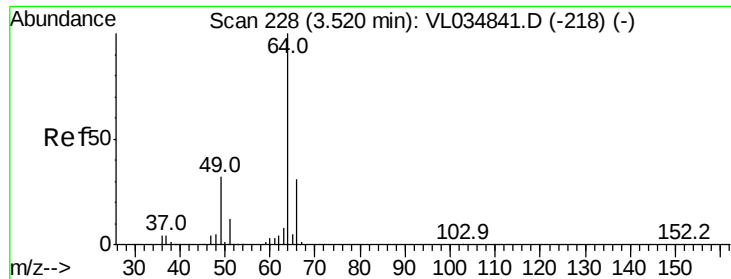
Tgt Ion: 94 Resp: 449231

Ion Ratio Lower Upper

94 100

96 96.4 75.5 113.3





#7

Chloroethane

Concen: 13.923 ppbv

RT: 3.52 min Scan# 228

Delta R.T. -0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

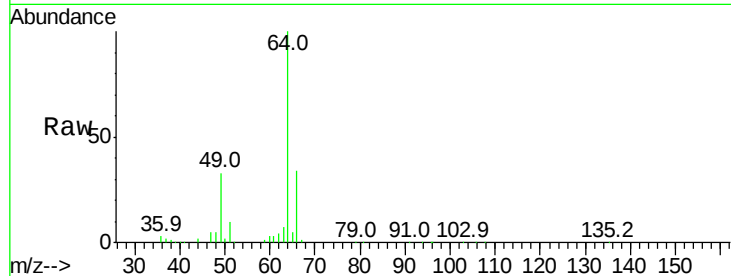
VSTDIC015

Tgt Ion: 64 Resp: 288242

Ion Ratio Lower Upper

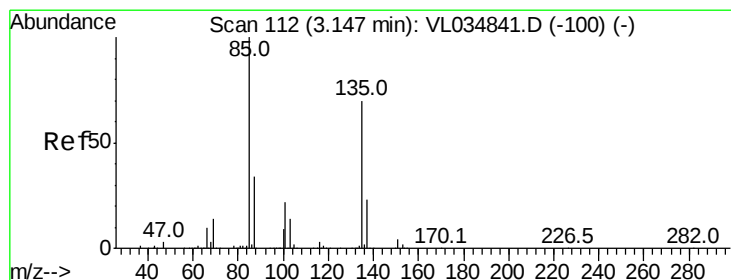
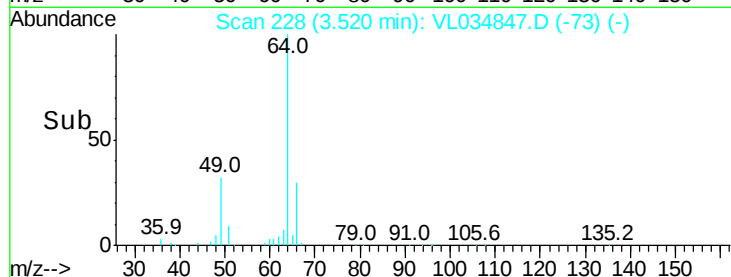
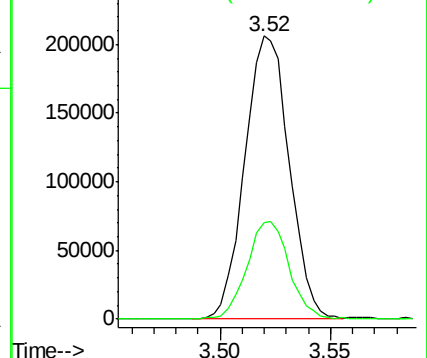
64 100

66 34.2 24.8 37.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 12.589 ppbv

RT: 3.15 min Scan# 112

Delta R.T. -0.00 min

Lab File: VL034847.D

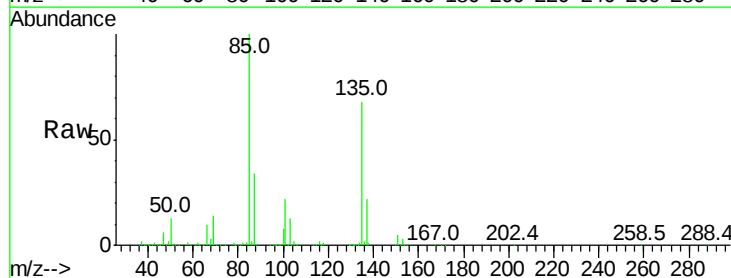
Acq: 9 Mar 2020 16:09

Tgt Ion: 85 Resp: 1648298

Ion Ratio Lower Upper

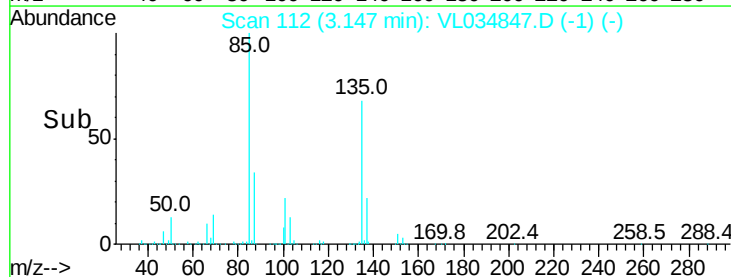
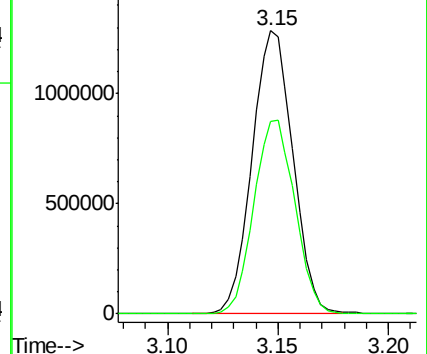
85 100

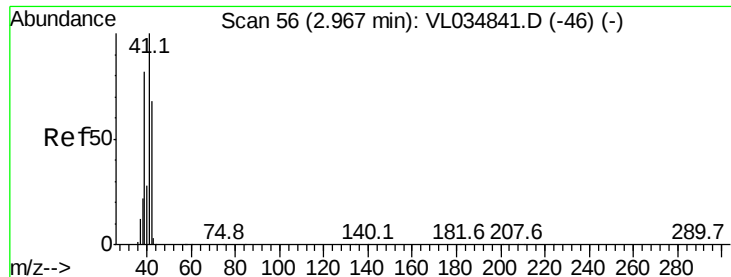
135 69.1 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 16.251 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.00 min

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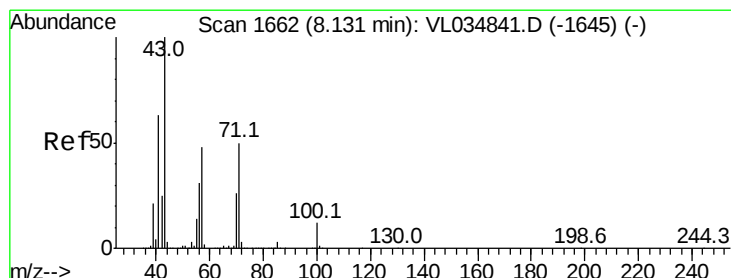
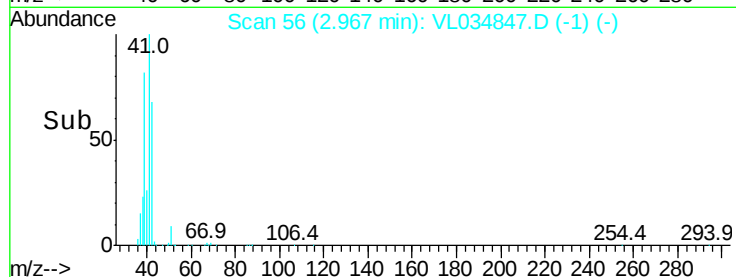
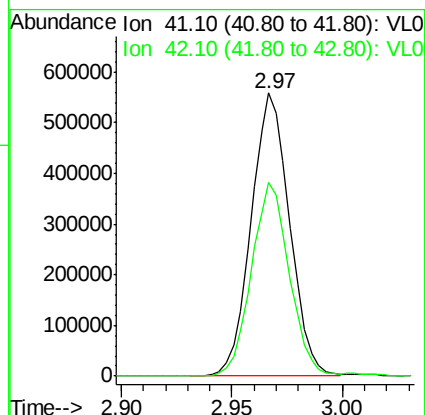
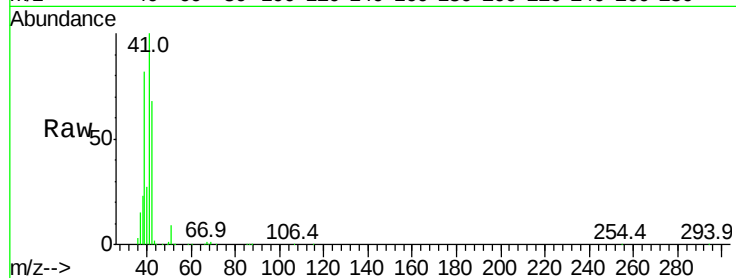
VSTDIC015

Tgt Ion: 41 Resp: 673057

Ion Ratio Lower Upper

41 100

42 68.2 55.2 82.8



#10

Heptane

Concen: 16.600 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VL034847.D

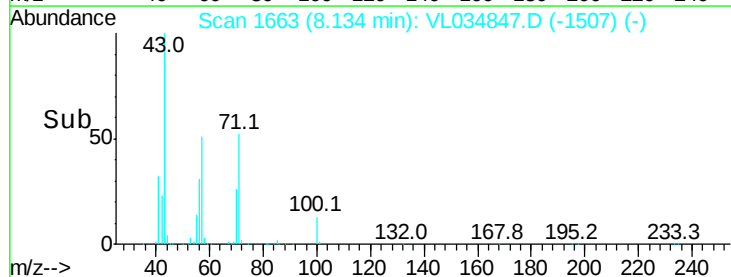
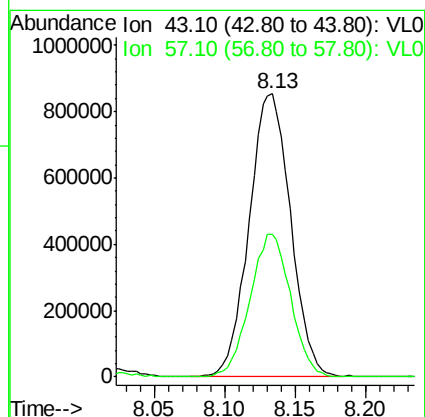
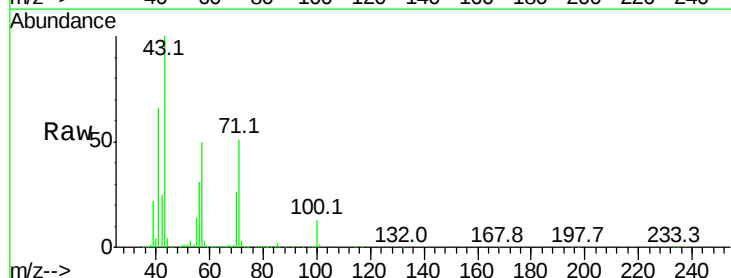
Acq: 9 Mar 2020 16:09

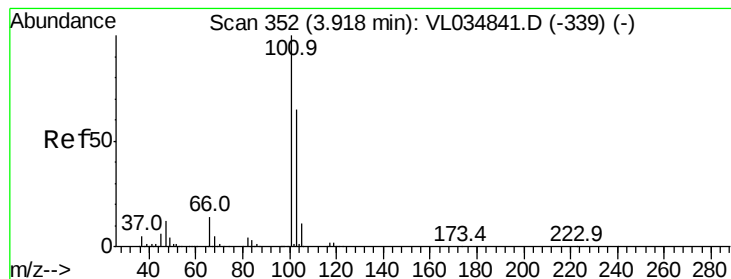
Tgt Ion: 43 Resp: 1747239

Ion Ratio Lower Upper

43 100

57 49.5 39.7 59.5





#11

Trichlorofluoromethane

Concen: 12.997 ppbv

RT: 3.92 min Scan# 352

Delta R.T. -0.00 min

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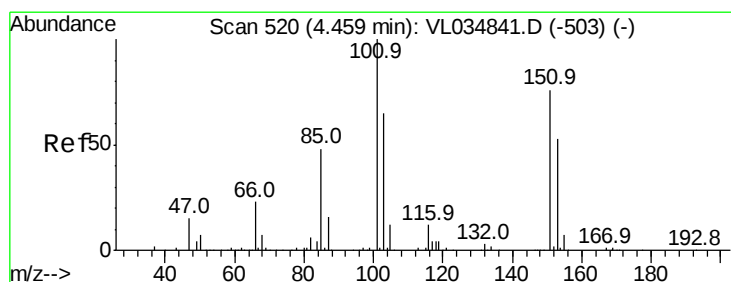
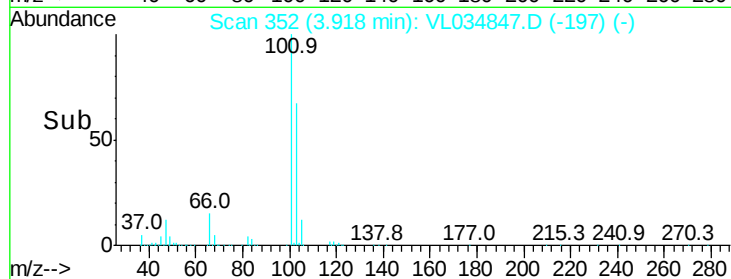
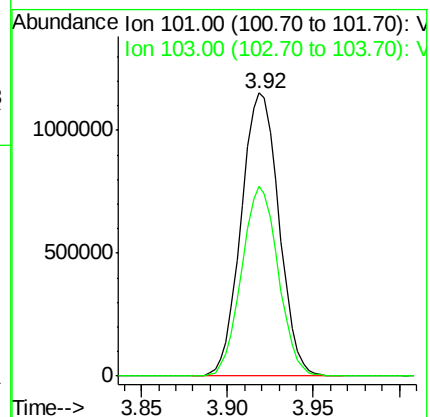
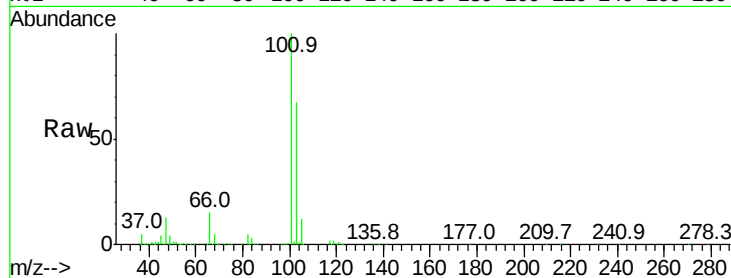
VSTDIC015

Tgt Ion:101 Resp: 1752926

Ion Ratio Lower Upper

101 100

103 67.0 51.8 77.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 13.366 ppbv

RT: 4.46 min Scan# 521

Delta R.T. 0.00 min

Lab File: VL034847.D

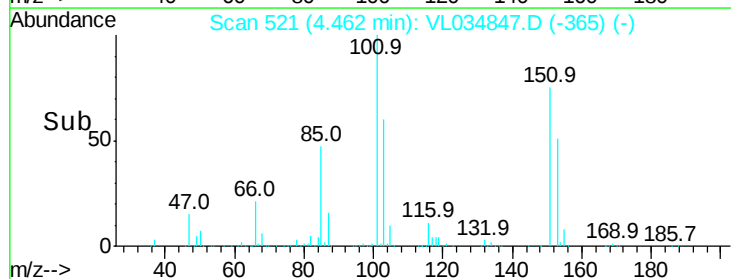
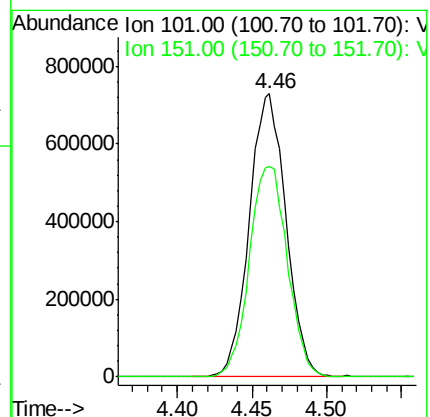
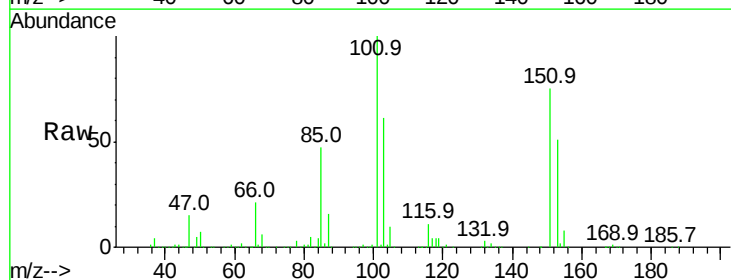
Acq: 9 Mar 2020 16:09

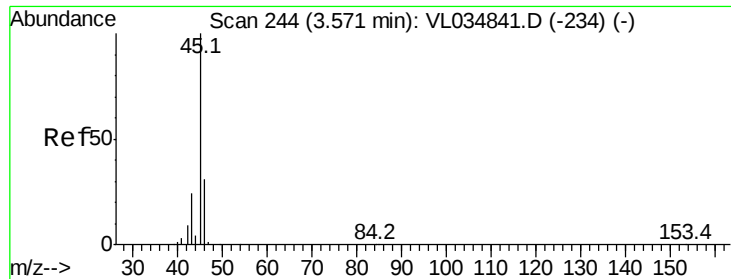
Tgt Ion:101 Resp: 1243795

Ion Ratio Lower Upper

101 100

151 77.2 60.8 91.2





#13

Ethanol

Concen: 13.423 ppbv

RT: 3.57 min Scan# 244

Delta R.T. -0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

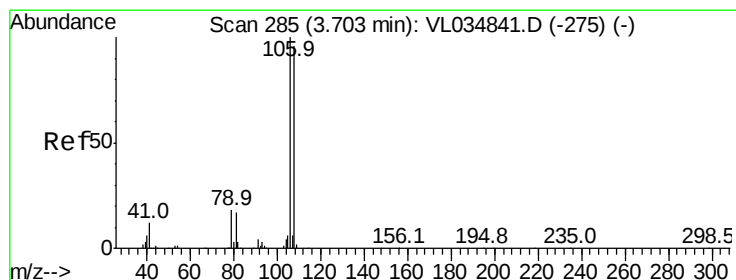
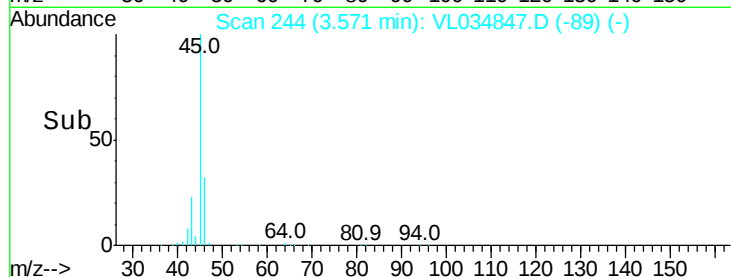
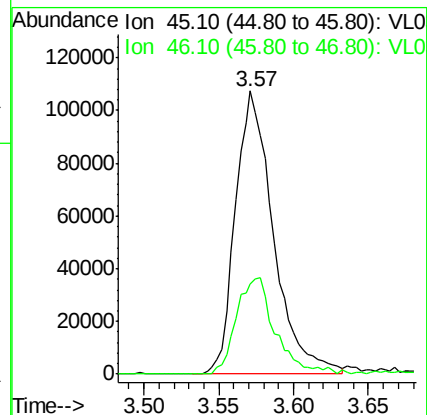
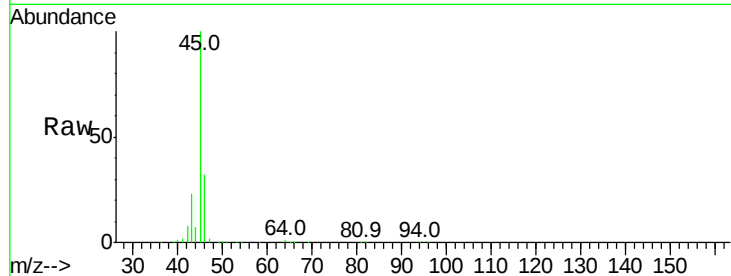
VSTDIC015

Tgt Ion: 45 Resp: 190471

Ion Ratio Lower Upper

45 100

46 35.1 16.0 64.0



#14

Bromoethene

Concen: 14.748 ppbv

RT: 3.71 min Scan# 286

Delta R.T. 0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

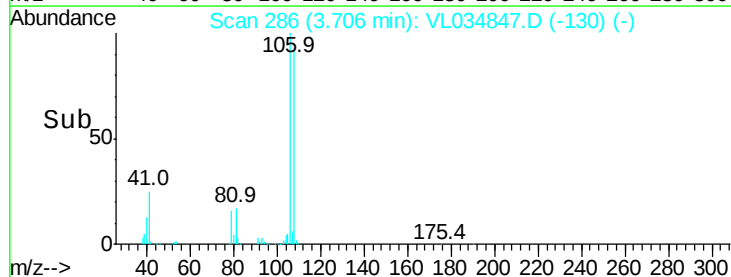
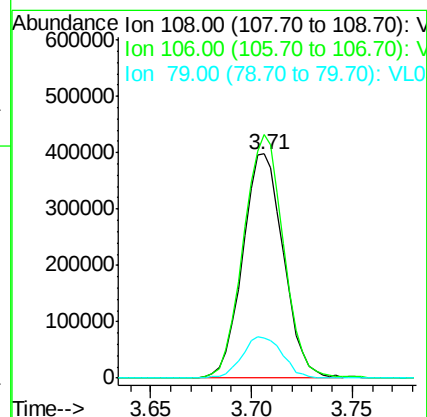
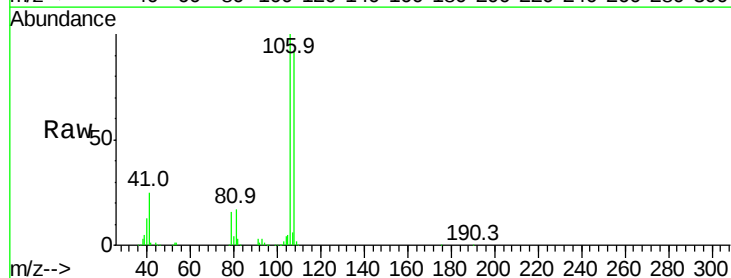
Tgt Ion: 108 Resp: 563140

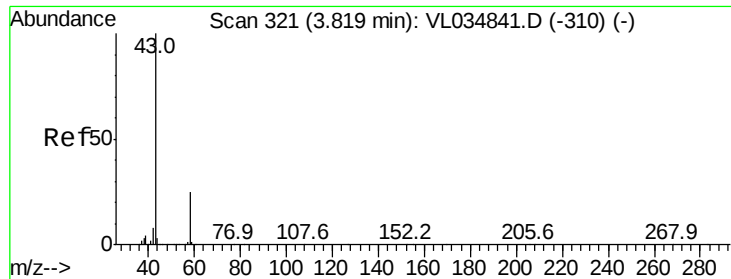
Ion Ratio Lower Upper

108 100

106 107.8 85.1 127.7

79 18.7 14.7 22.1





#15

Acetone

Concen: 12.987 ppbv

RT: 3.82 min Scan# 321

Delta R.T. -0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

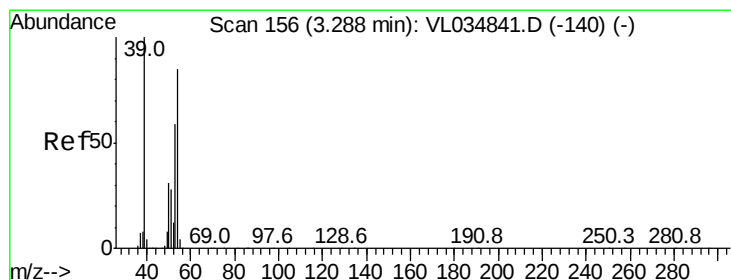
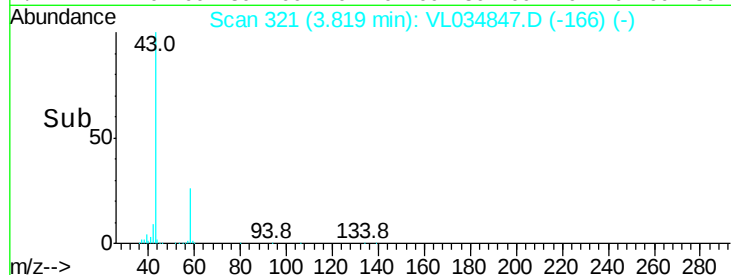
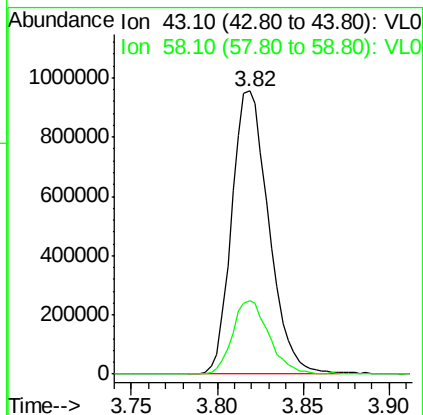
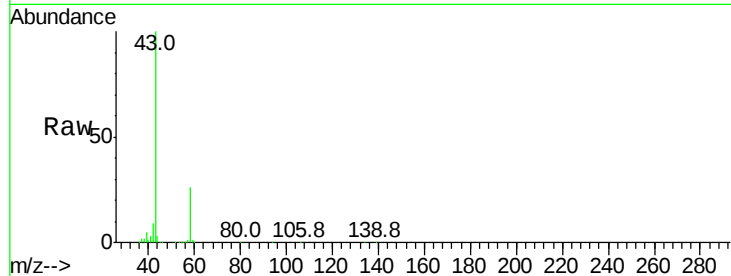
VSTDIC015

Tgt Ion: 43 Resp: 1436289

Ion Ratio Lower Upper

43 100

58 25.9 21.0 31.6



#16

1,3-Butadiene

Concen: 15.100 ppbv

RT: 3.29 min Scan# 156

Delta R.T. -0.00 min

Lab File: VL034847.D

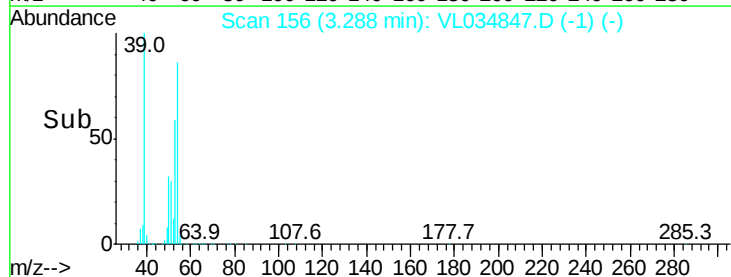
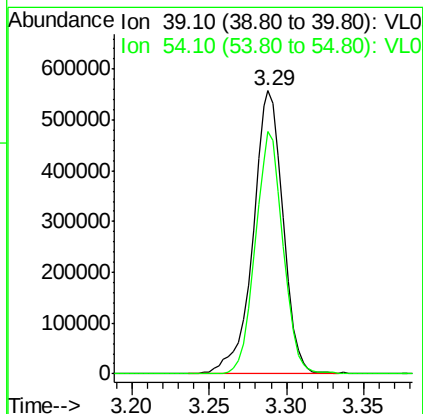
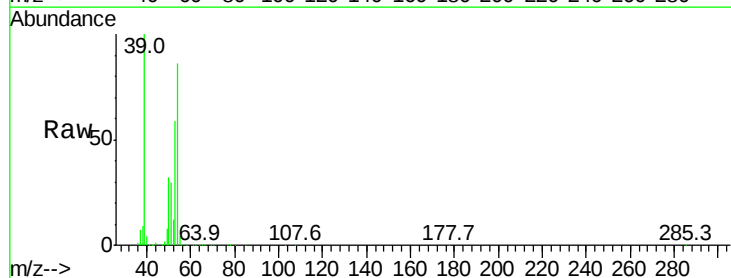
Acq: 9 Mar 2020 16:09

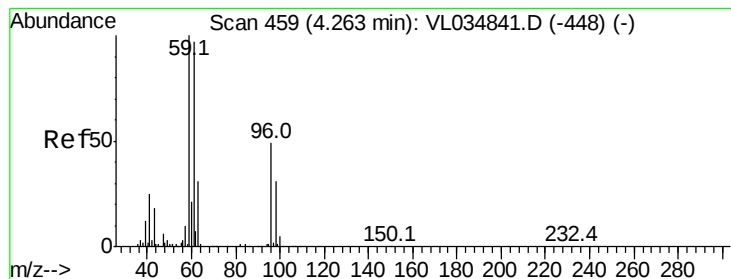
Tgt Ion: 39 Resp: 755614

Ion Ratio Lower Upper

39 100

54 79.2 65.0 97.6





#17

tert-Butyl alcohol

Concen: 18.960 ppbv

RT: 4.27 min Scan# 461

Delta R.T. 0.01 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

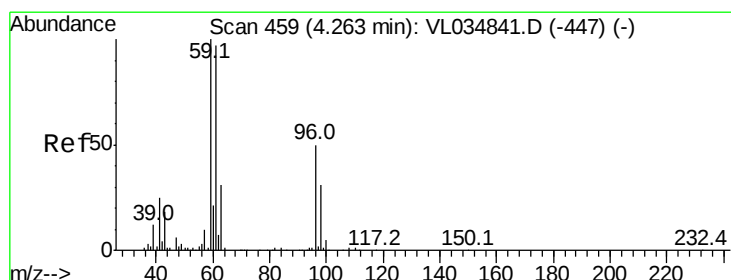
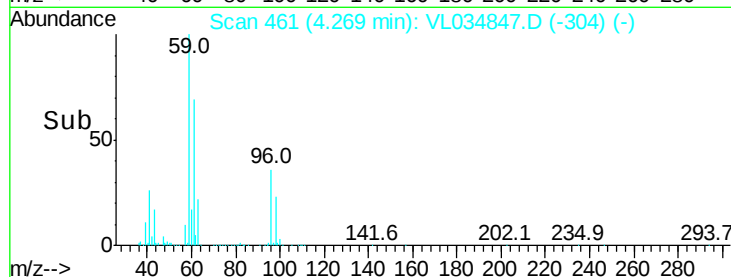
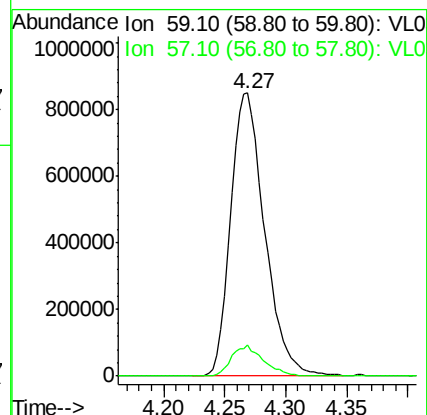
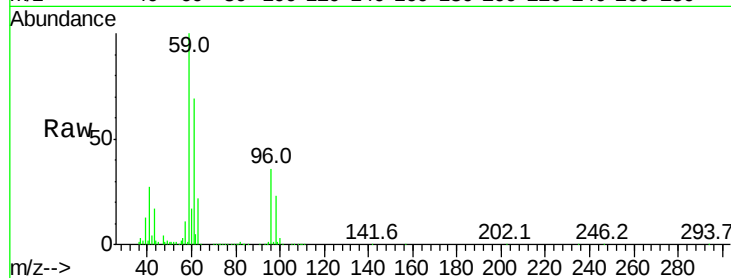
VSTDIC015

Tgt Ion: 59 Resp: 1653446

Ion Ratio Lower Upper

59 100

57 10.3 8.3 12.5



#18

1,1-Dichloroethene

Concen: 13.778 ppbv

RT: 4.26 min Scan# 459

Delta R.T. -0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

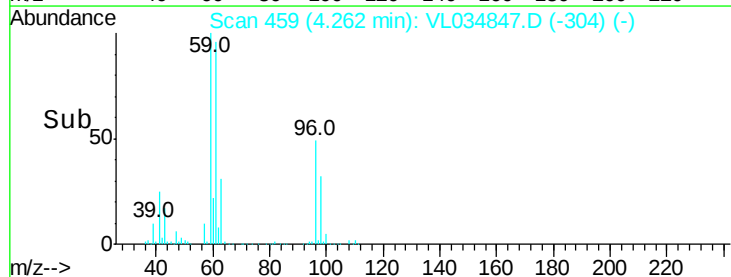
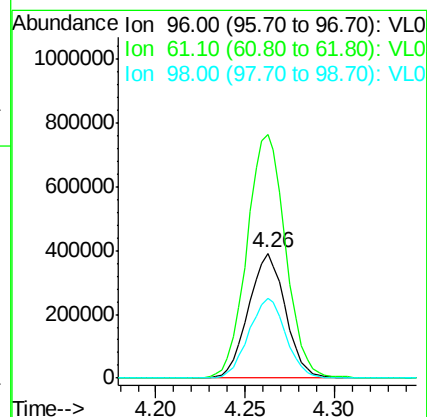
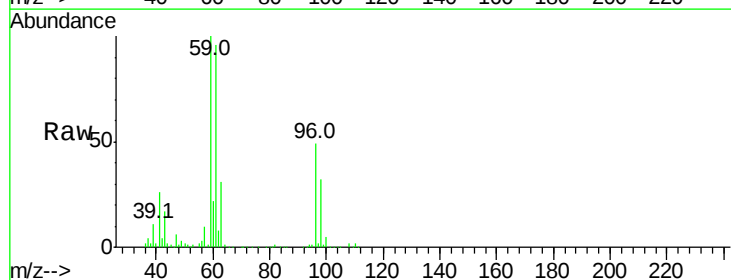
Tgt Ion: 96 Resp: 565434

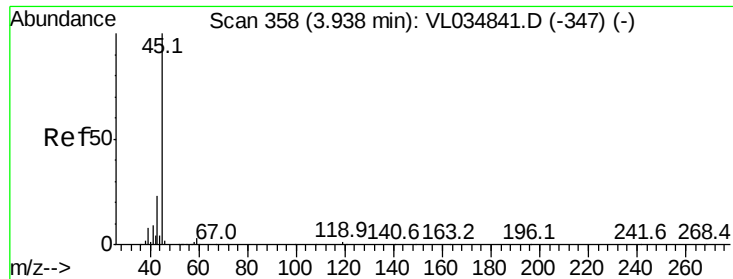
Ion Ratio Lower Upper

96 100

61 194.6 157.3 235.9

98 63.9 50.2 75.4





#19

Isopropyl Alcohol

Concen: 16.550 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

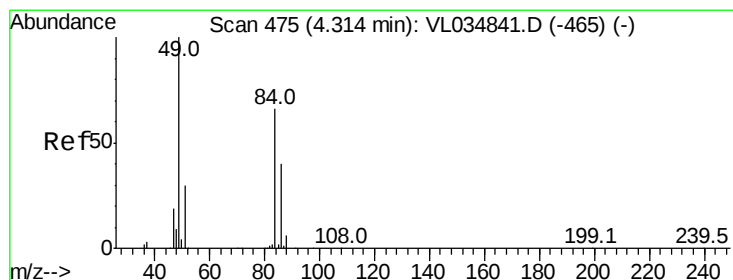
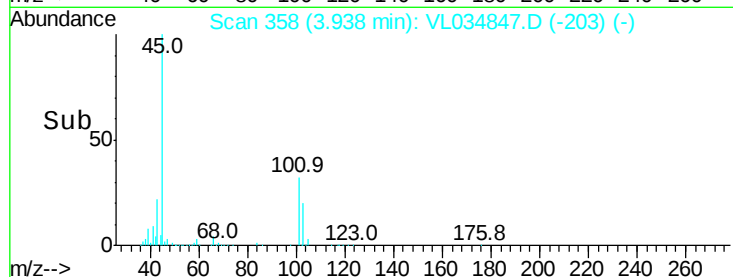
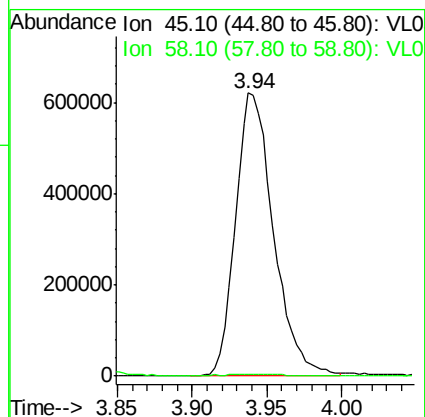
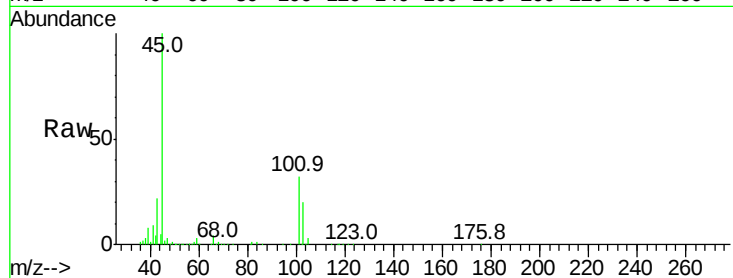
VSTDIC015

Tgt Ion: 45 Resp: 1096673

Ion Ratio Lower Upper

45 100

58 1.0 30.5 45.7#



#20

Methylene Chloride

Concen: 12.562 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Tgt Ion: 84 Resp: 495857

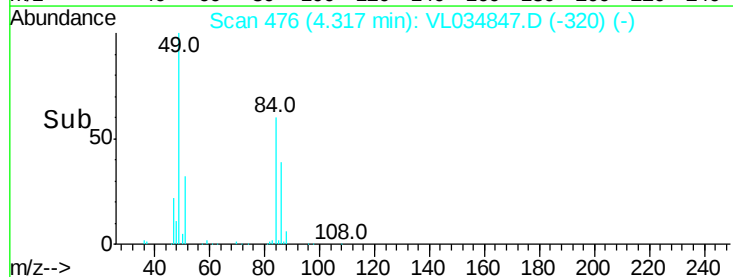
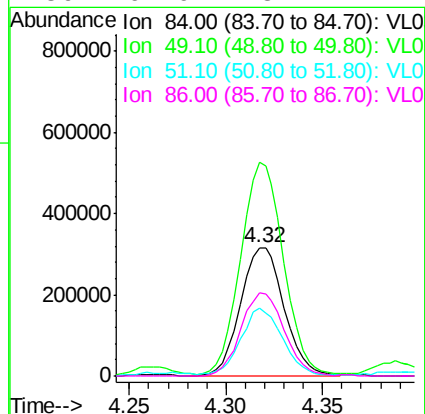
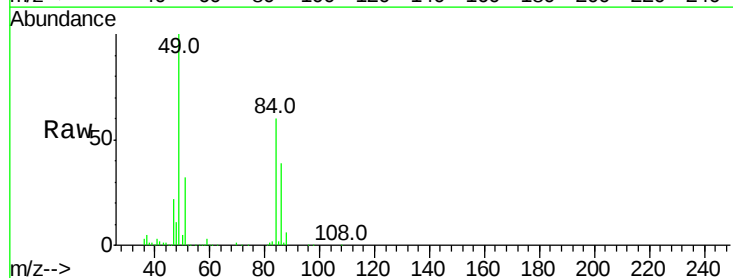
Ion Ratio Lower Upper

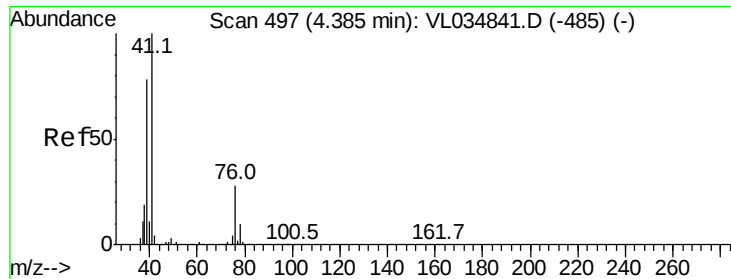
84 100

49 165.0 121.5 182.3

51 52.1 36.6 55.0

86 64.9 48.2 72.2

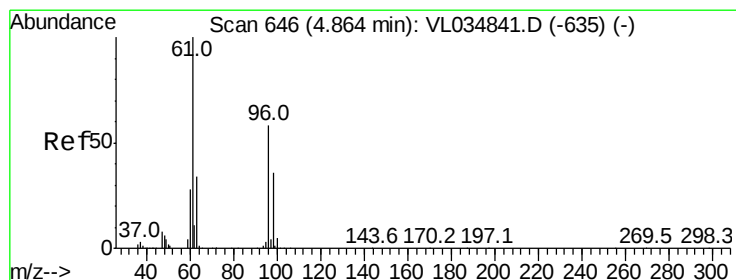
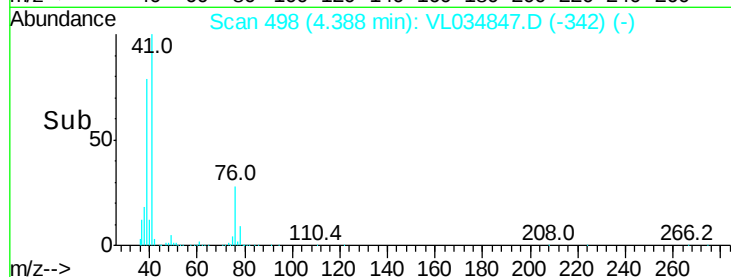
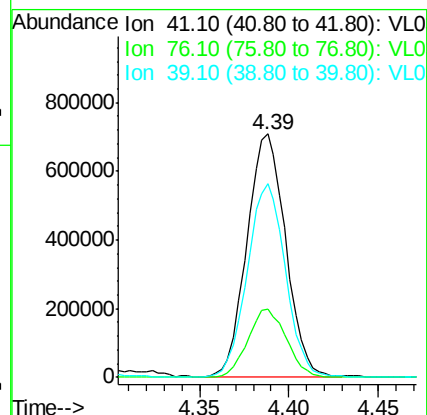
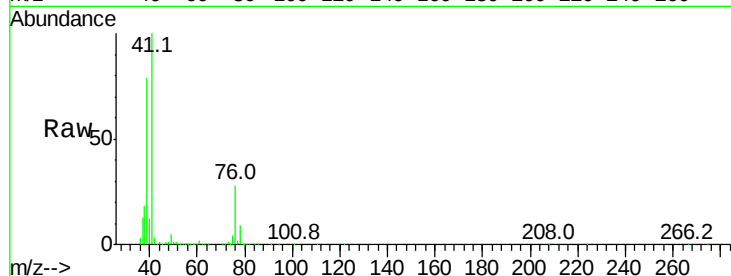




#21
 Allyl Chloride
 Concen: 15.235 ppbv
 RT: 4.39 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VL034847.D
 Acq: 9 Mar 2020 16:09

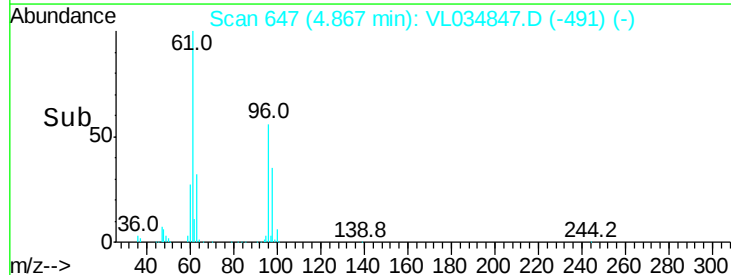
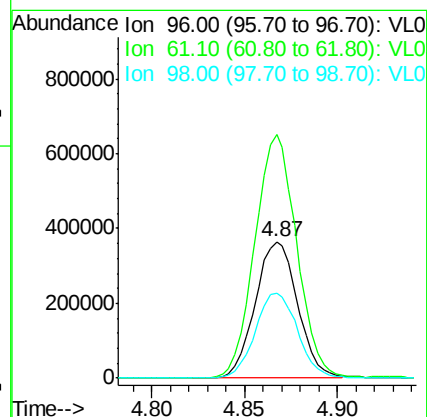
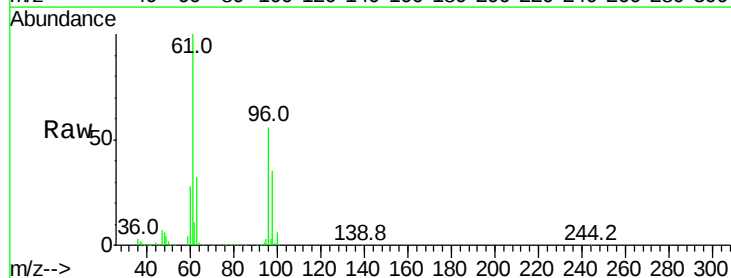
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

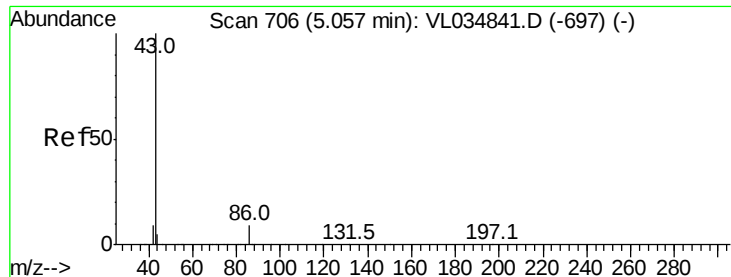
Tgt Ion: 41 Resp: 1066997
 Ion Ratio Lower Upper
 41 100
 76 28.1 22.2 33.2
 39 79.0 62.6 93.8



#22
 trans-1,2-Dichloroethene
 Concen: 14.448 ppbv
 RT: 4.87 min Scan# 647
 Delta R.T. 0.00 min
 Lab File: VL034847.D
 Acq: 9 Mar 2020 16:09

Tgt Ion: 96 Resp: 578829
 Ion Ratio Lower Upper
 96 100
 61 178.6 139.0 208.6
 98 62.5 50.3 75.5





#23

Vinyl Acetate

Concen: 16.626 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 2465690

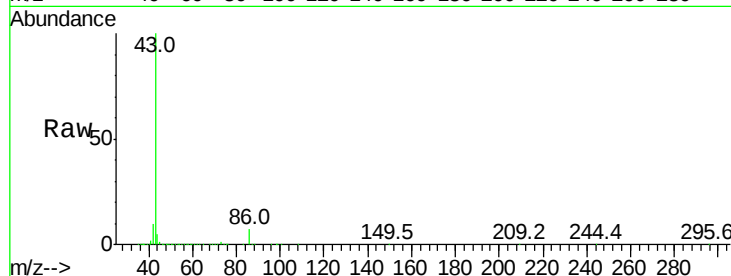
Ion Ratio Lower Upper

43 100

86 7.0 6.3 9.5

42 9.9 7.8 11.8

44 5.0 4.0 6.0

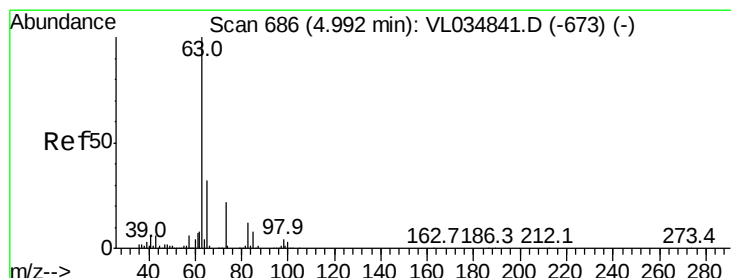
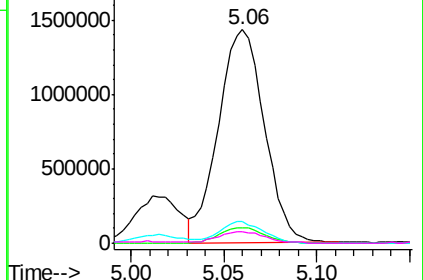
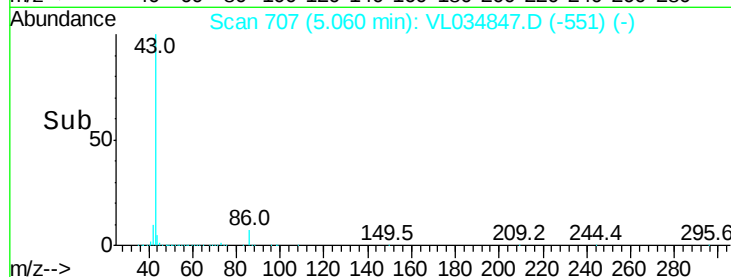


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 13.874 ppbv

RT: 5.00 min Scan# 687

Delta R.T. 0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

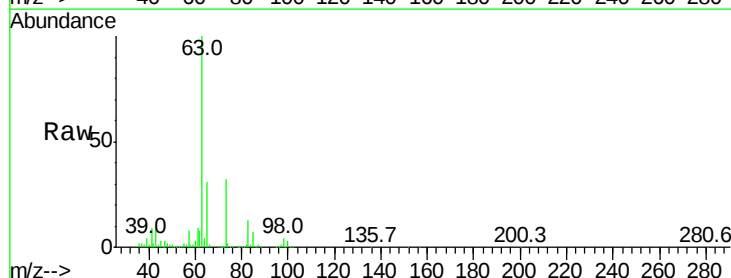
Tgt Ion: 63 Resp: 1596991

Ion Ratio Lower Upper

63 100

98 4.0 2.0 5.8

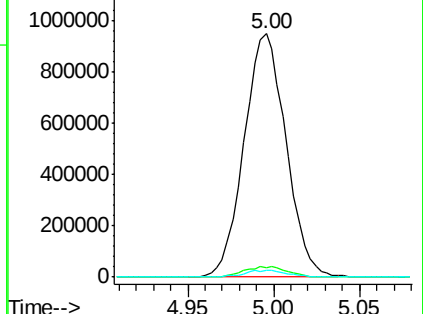
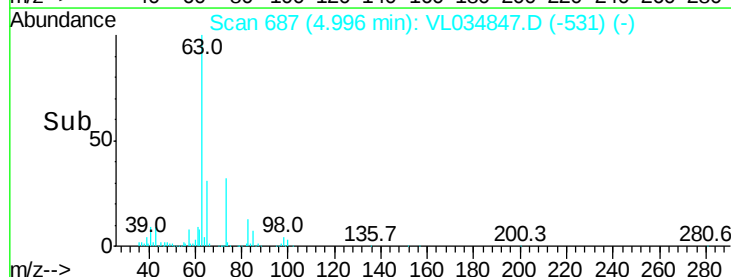
100 2.6 1.4 4.0

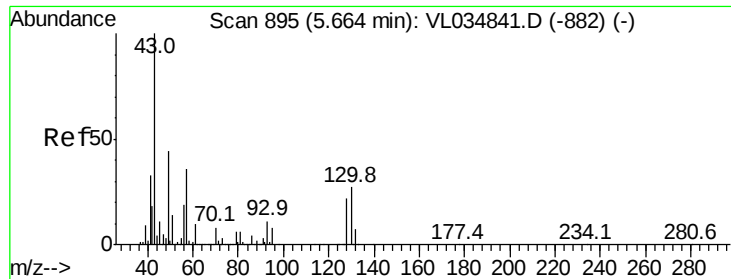


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 14.926 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 2852694

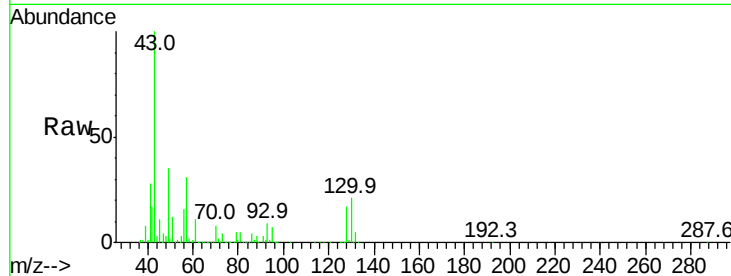
Ion Ratio Lower Upper

43 100

45 10.2 8.2 12.2

61 9.7 7.8 11.6

70 7.6 5.8 8.8

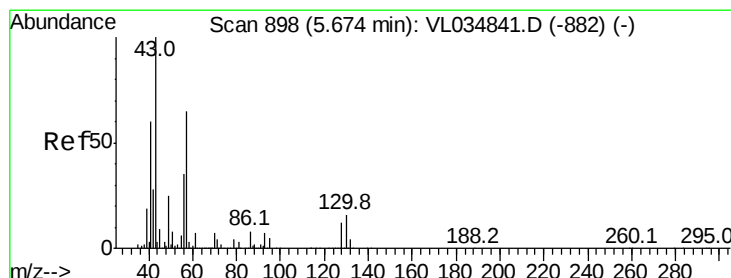
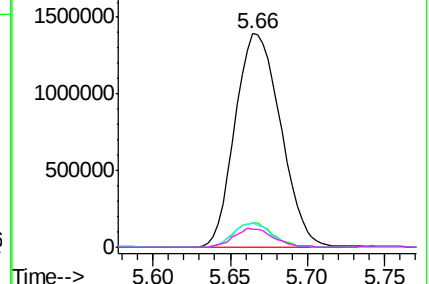
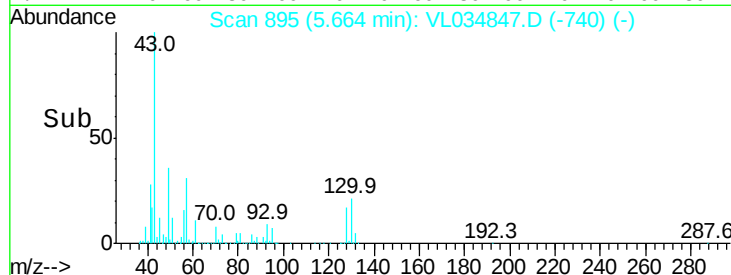


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 15.091 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Tgt Ion: 57 Resp: 1259940

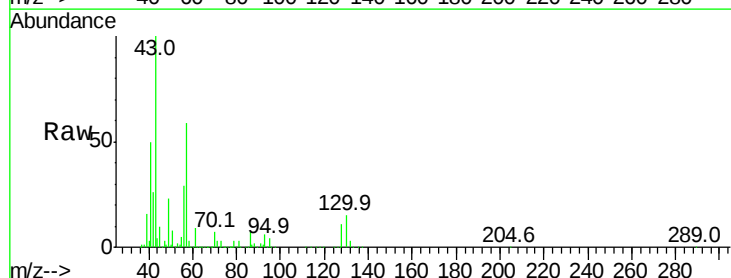
Ion Ratio Lower Upper

57 100

41 91.0 72.6 109.0

43 227.5 183.8 275.6

56 52.1 41.9 62.9

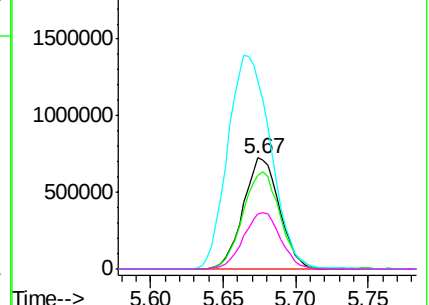
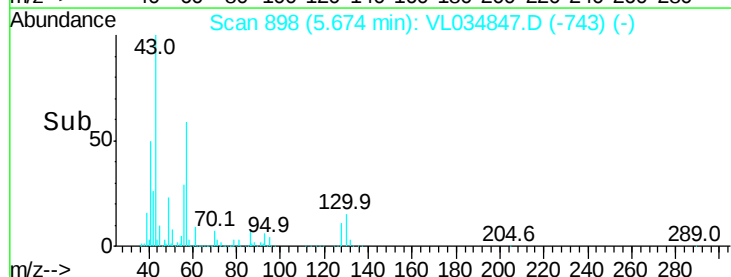


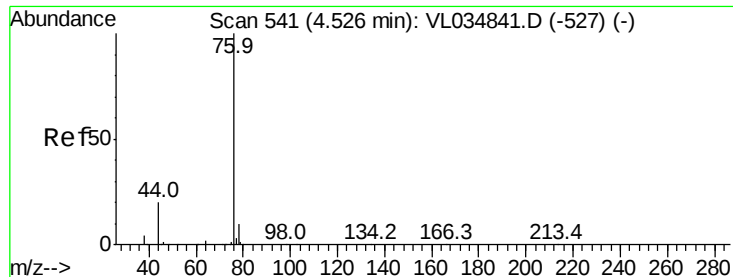
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 15.537 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

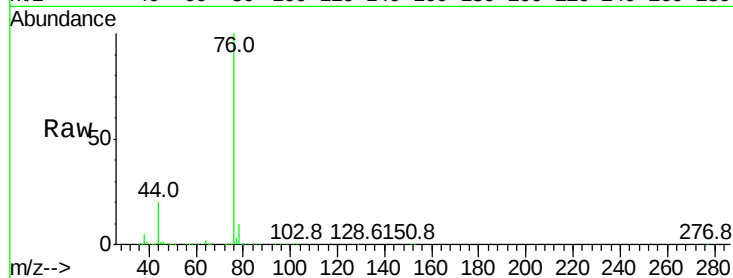
Tgt Ion: 76 Resp: 1515403

Ion Ratio Lower Upper

76 100

44 19.4 16.2 24.2

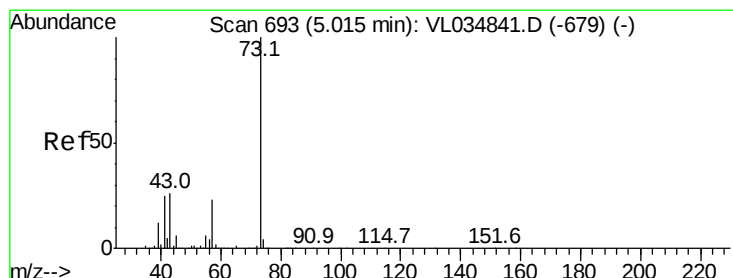
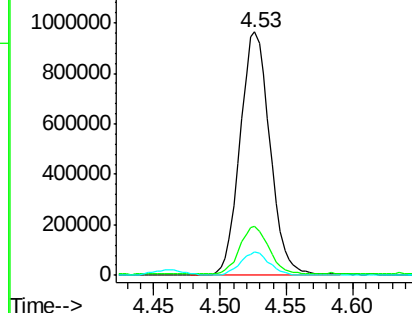
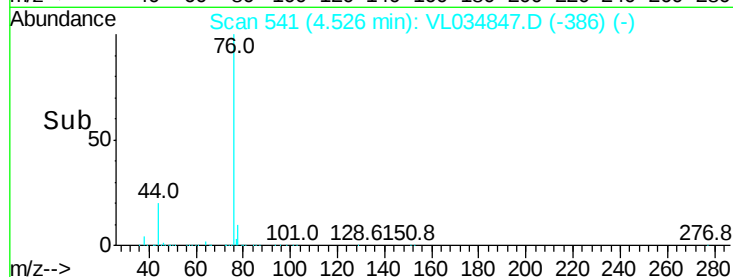
78 9.5 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 16.878 ppbv

RT: 5.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL034847.D

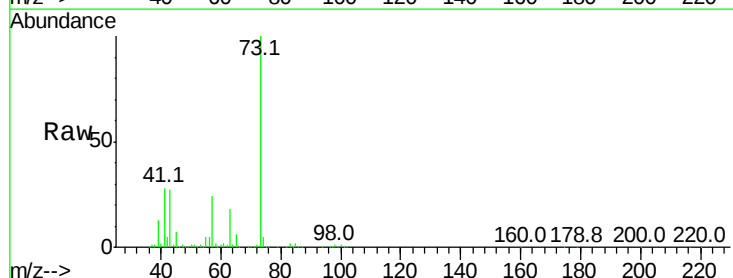
Acq: 9 Mar 2020 16:09

Tgt Ion: 73 Resp: 2097384

Ion Ratio Lower Upper

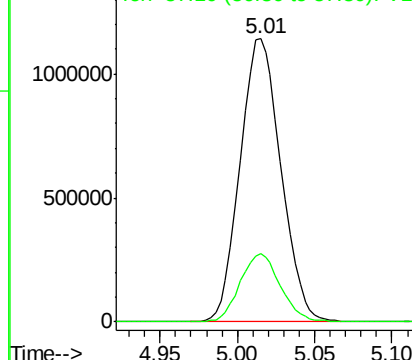
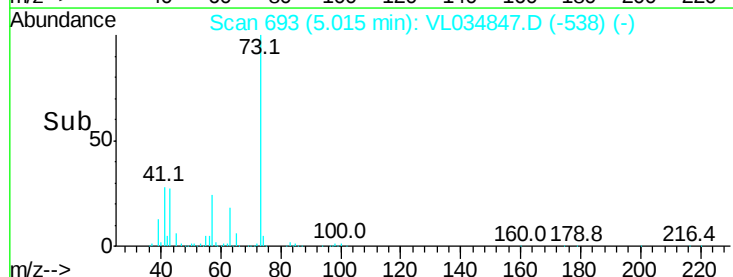
73 100

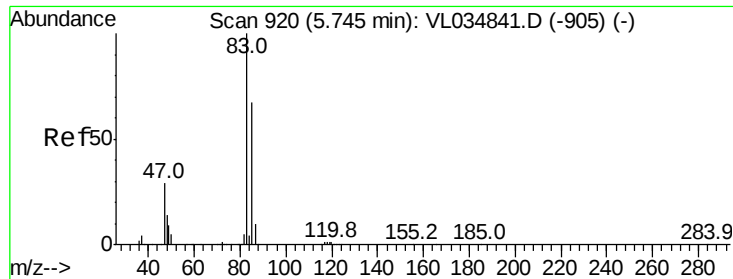
57 23.9 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 13.366 ppbv

RT: 5.75 min Scan# 921

Delta R.T. 0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

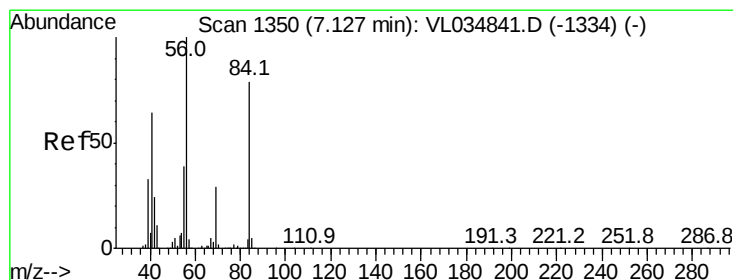
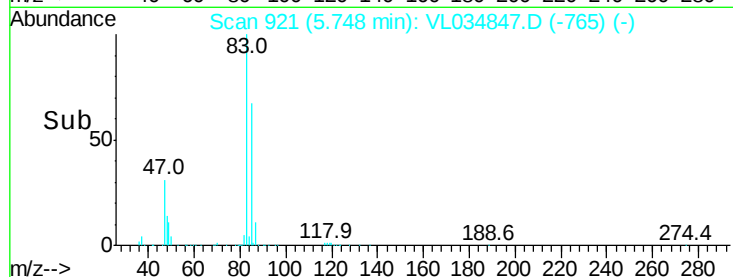
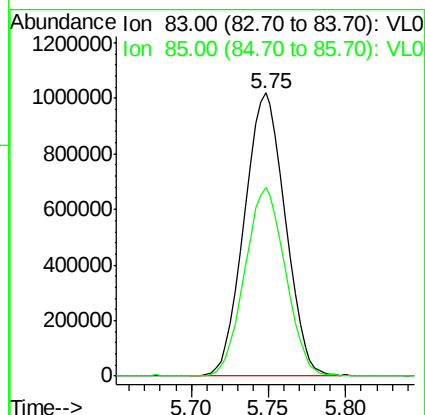
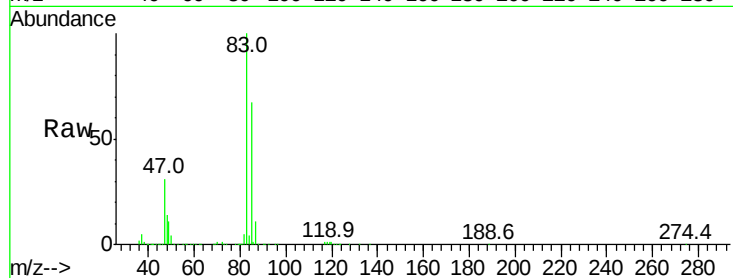
VSTDIC015

Tgt Ion: 83 Resp: 1878482

Ion Ratio Lower Upper

83 100

85 66.5 53.8 80.6



#30

Cyclohexane

Concen: 17.155 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. 0.01 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

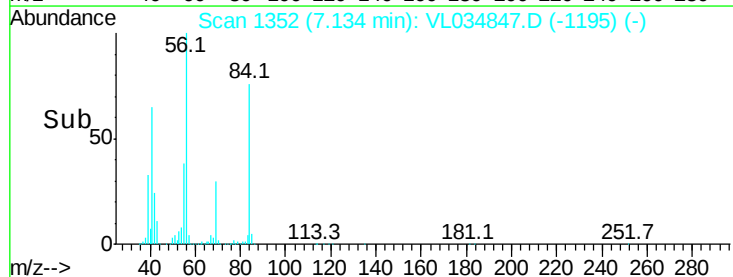
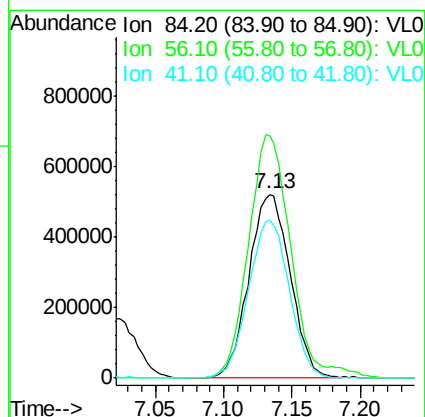
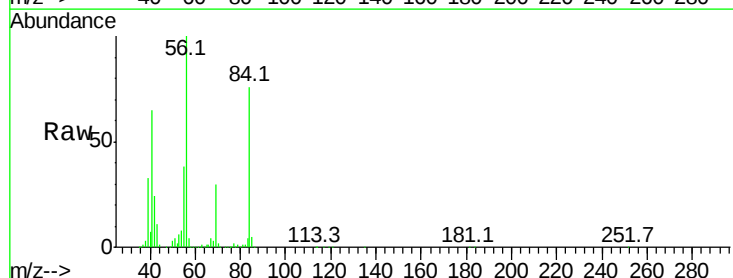
Tgt Ion: 84 Resp: 1095800

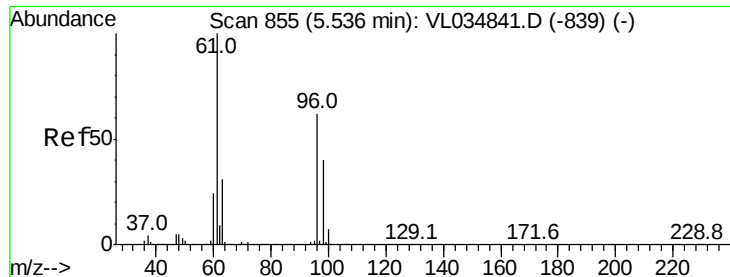
Ion Ratio Lower Upper

84 100

56 136.1 110.5 165.7

41 85.5 68.2 102.4

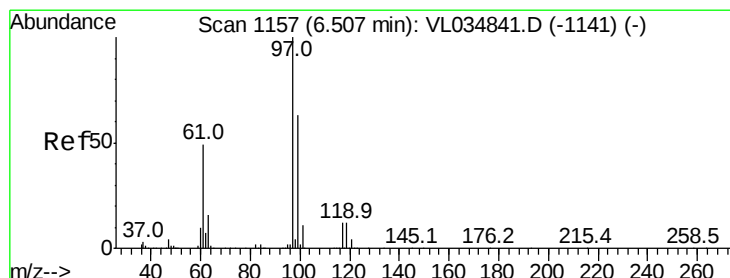
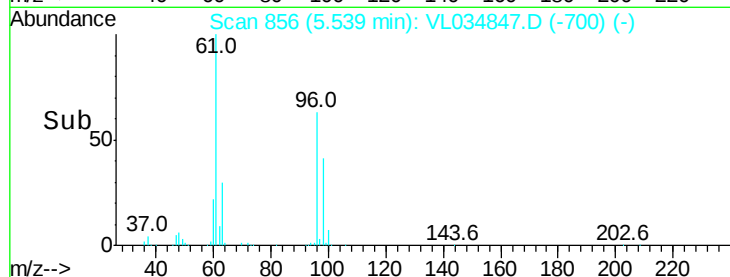
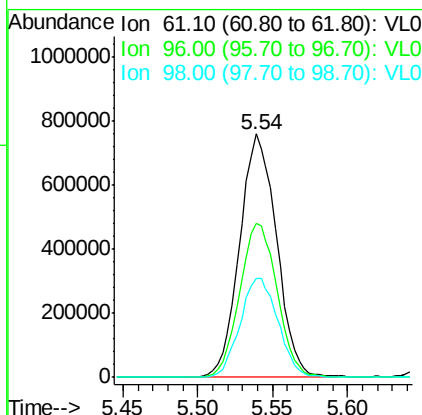
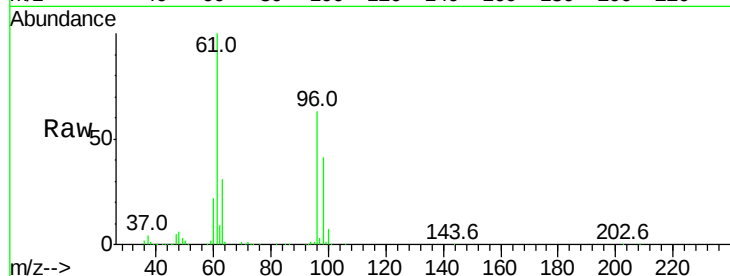




#31
 cis-1,2-Dichloroethene
 Concen: 15.258 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VL034847.D
 Acq: 9 Mar 2020 16:09

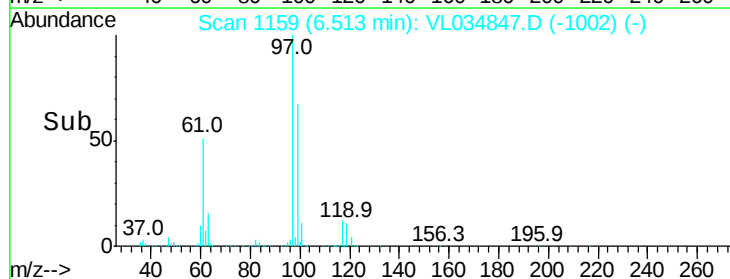
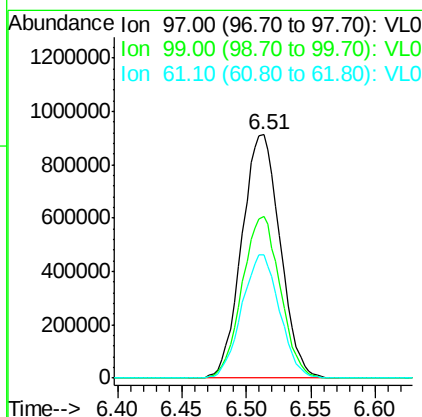
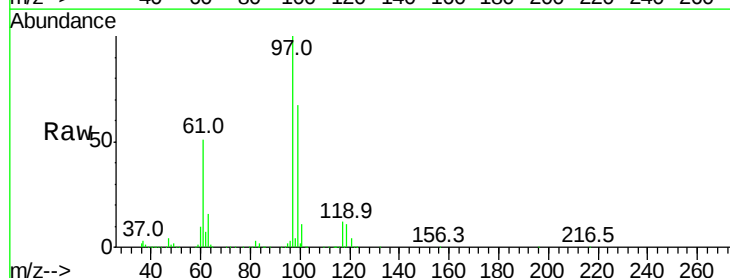
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

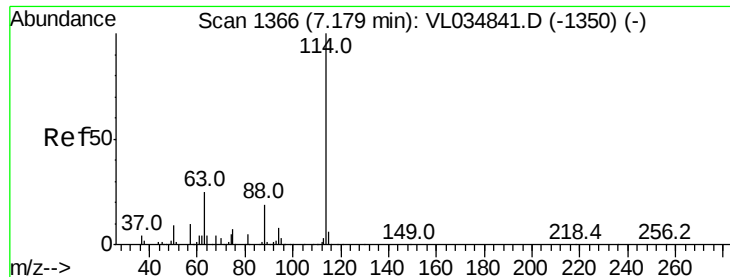
Tgt Ion: 61 Resp: 1306589
 Ion Ratio Lower Upper
 61 100
 96 63.1 49.8 74.8
 98 40.8 32.2 48.4



#32
 1,1,1-Trichloroethane
 Concen: 13.602 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. 0.01 min
 Lab File: VL034847.D
 Acq: 9 Mar 2020 16:09

Tgt Ion: 97 Resp: 1889084
 Ion Ratio Lower Upper
 97 100
 99 66.1 51.1 76.7
 61 49.9 39.7 59.5

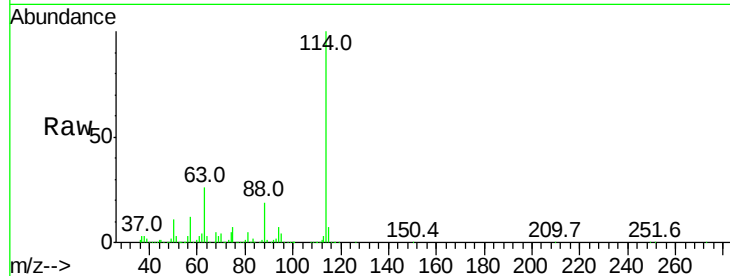




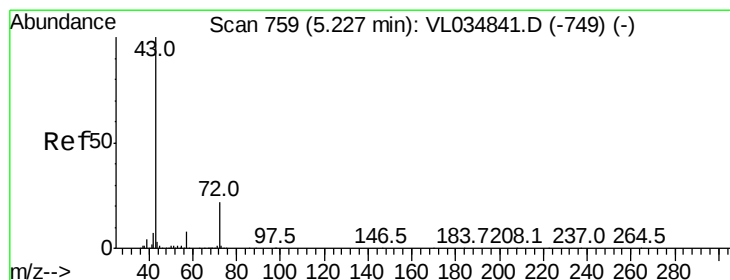
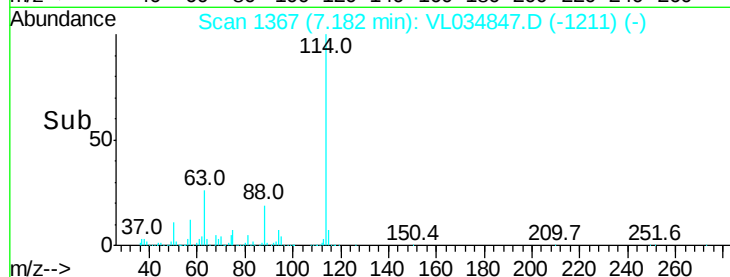
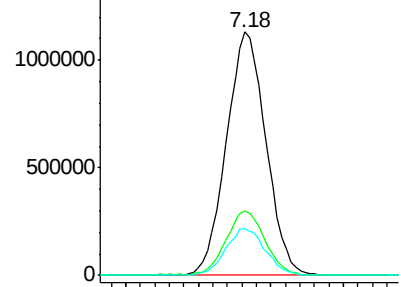
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VL034847.D
 Acq: 9 Mar 2020 16:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:114 Resp: 2138419
 Ion Ratio Lower Upper
 114 100
 63 26.7 20.6 31.0
 88 19.3 15.0 22.6

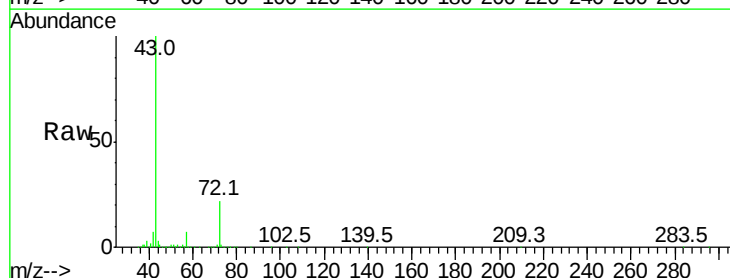


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

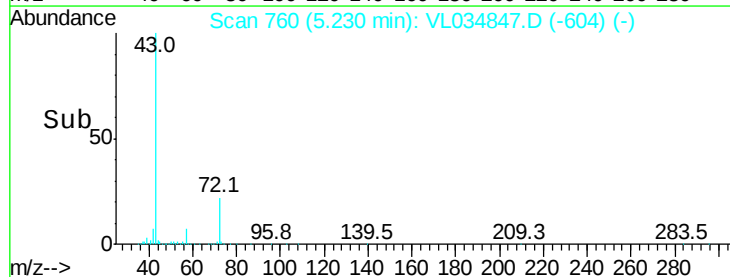
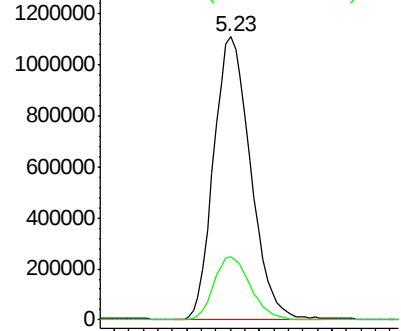


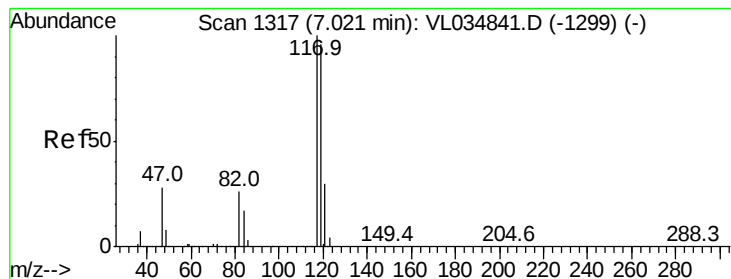
#34
 2-Butanone
 Concen: 14.033 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL034847.D
 Acq: 9 Mar 2020 16:09

Tgt Ion: 43 Resp: 1952324
 Ion Ratio Lower Upper
 43 100
 72 22.4 17.6 26.4



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





#35

Carbon Tetrachloride

Concen: 12.054 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

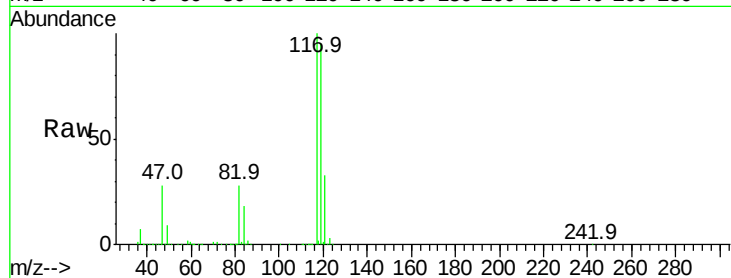
Tgt Ion:117 Resp: 1945079

Ion Ratio Lower Upper

117 100

119 94.7 77.0 115.4

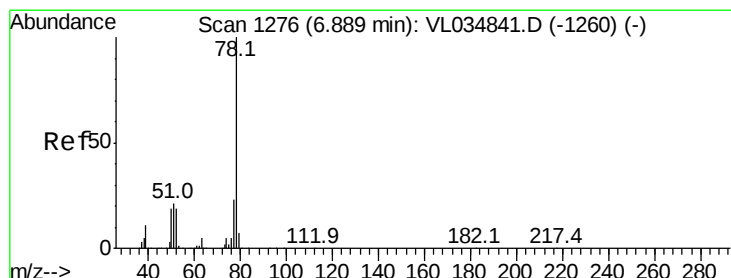
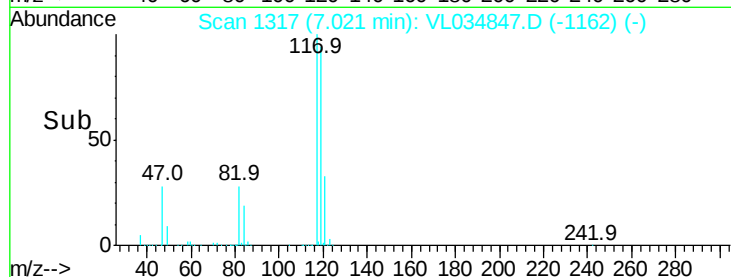
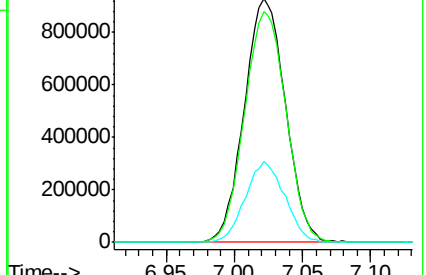
121 33.4 24.0 36.0



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: 14.102 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.01 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

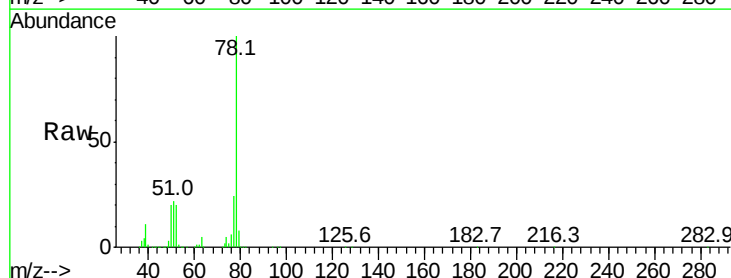
Tgt Ion: 78 Resp: 2576782

Ion Ratio Lower Upper

78 100

77 23.7 18.2 27.2

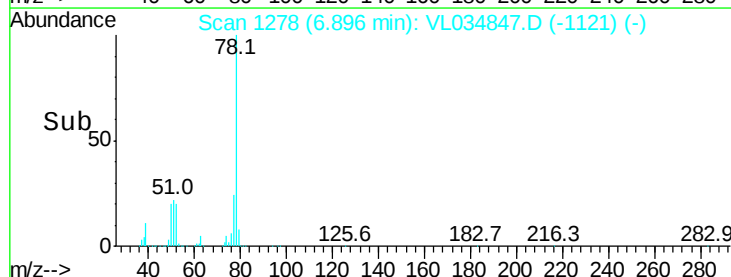
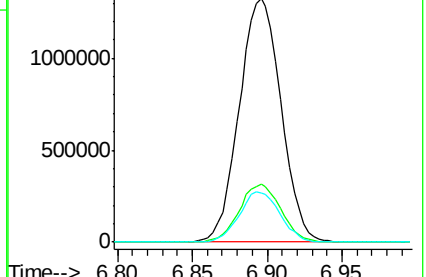
50 20.2 15.2 22.8

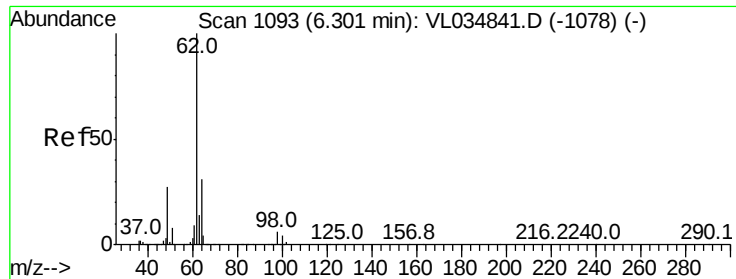


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 11.891 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

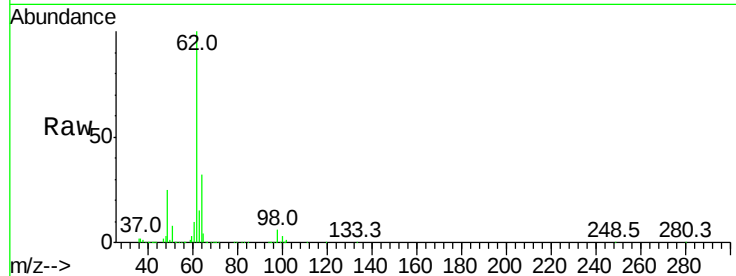
VSTDIC015

Tgt Ion: 62 Resp: 1484210

Ion Ratio Lower Upper

62 100

98 6.6 5.2 7.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.31

800000

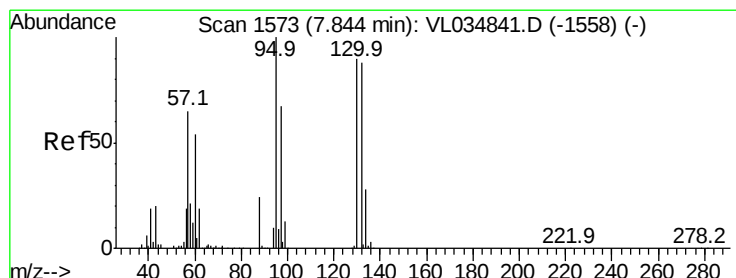
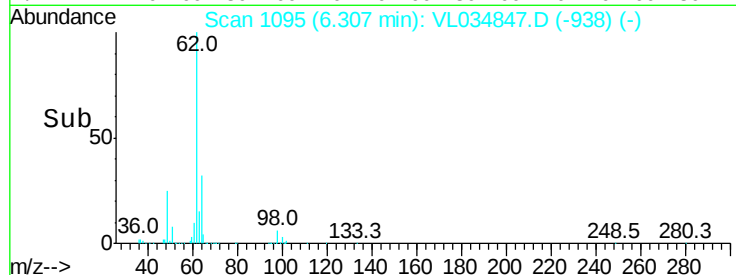
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 13.926 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Tgt Ion: 130 Resp: 991759

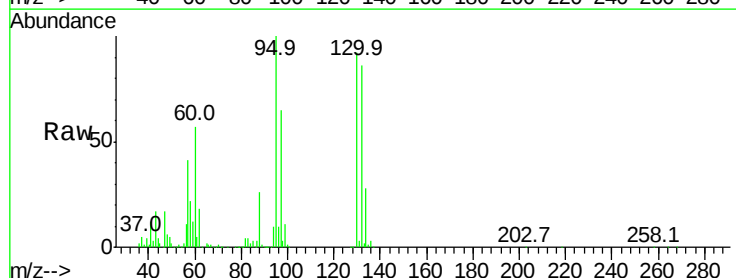
Ion Ratio Lower Upper

130 100

95 109.0 88.5 132.7

132 93.8 78.0 117.0

97 70.4 59.3 88.9



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

800000

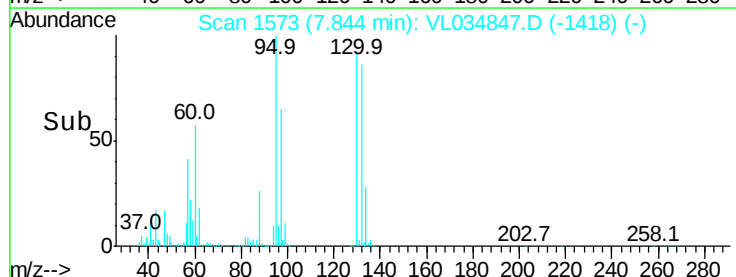
600000

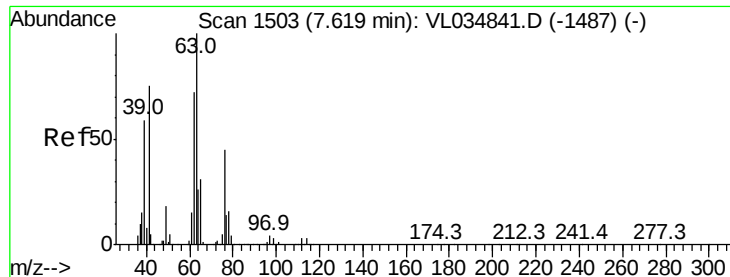
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 14.059 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. 0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

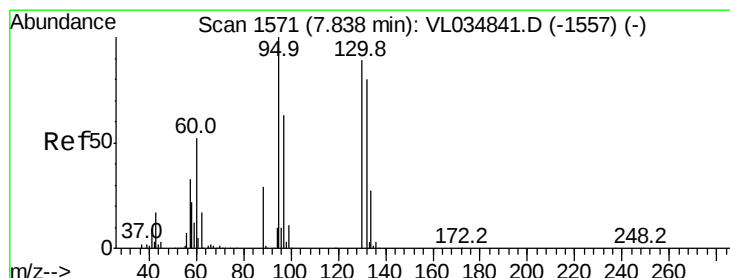
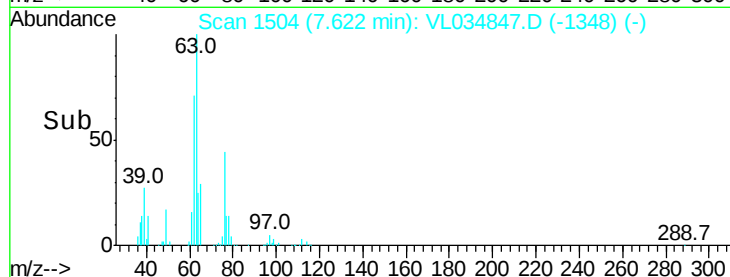
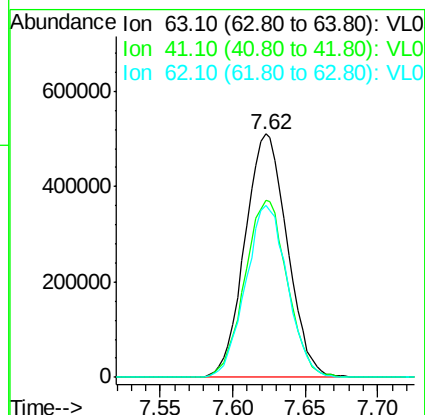
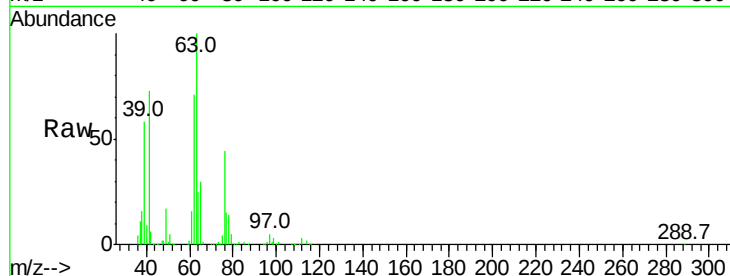
Tgt Ion: 63 Resp: 1036779

Ion Ratio Lower Upper

63 100

41 72.8 59.8 89.8

62 70.6 57.6 86.4



#40

1,4-Dioxane

Concen: 14.381 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Tgt Ion: 88 Resp: 366787

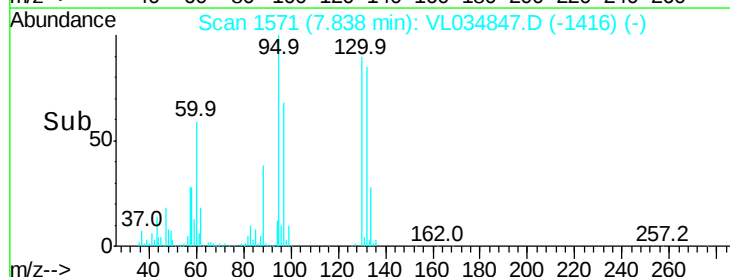
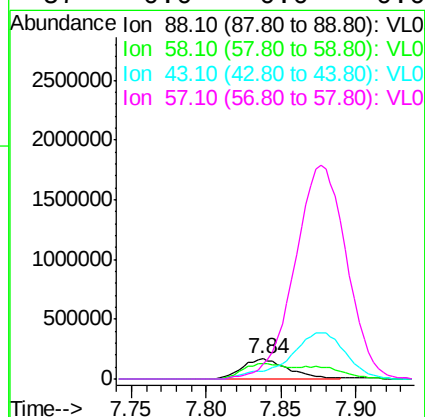
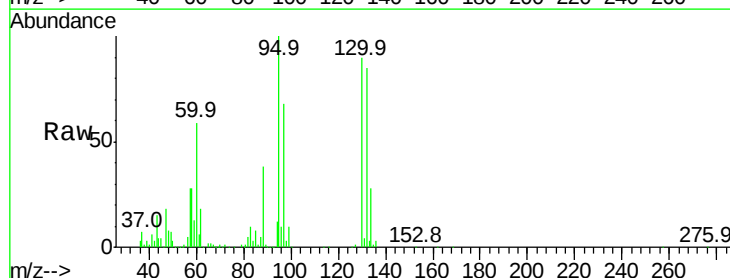
Ion Ratio Lower Upper

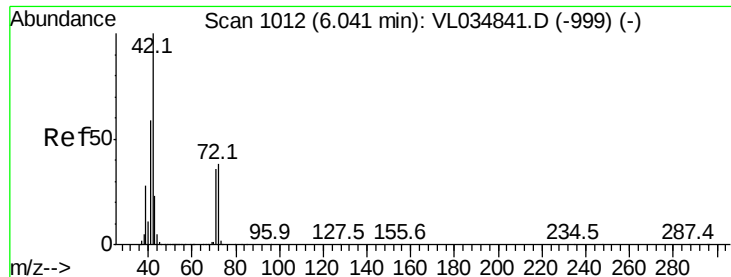
88 100

58 134.2 103.9 155.9

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 15.957 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

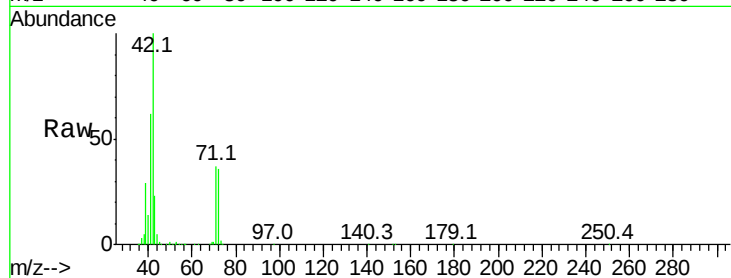
Tgt Ion: 42 Resp: 1132698

Ion Ratio Lower Upper

42 100

72 37.8 30.8 46.2

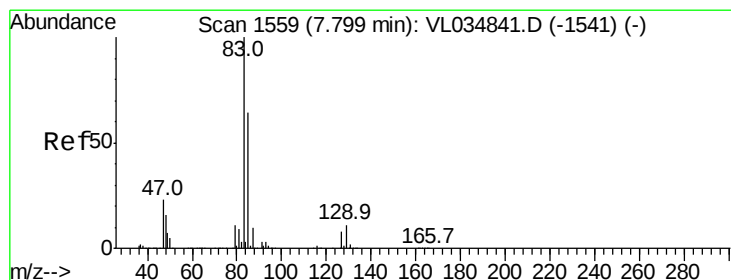
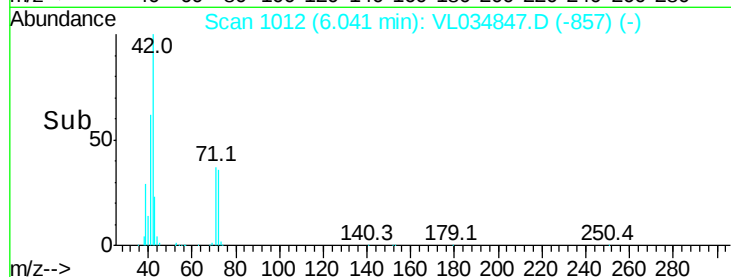
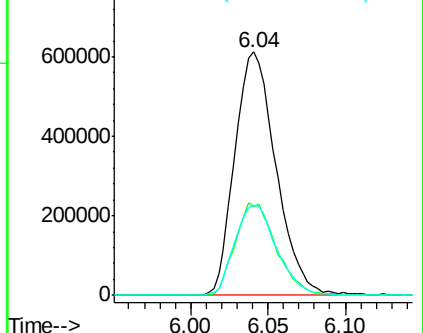
71 37.8 30.1 45.1



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 12.989 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

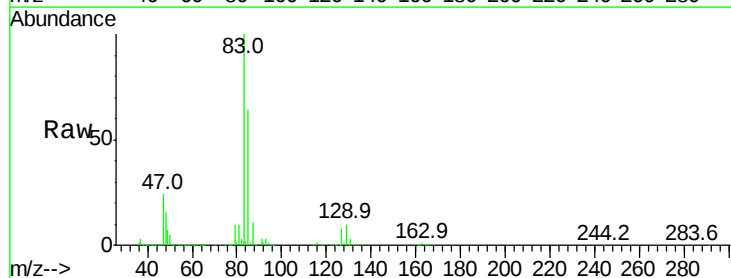
Tgt Ion: 83 Resp: 2051266

Ion Ratio Lower Upper

83 100

85 63.9 51.4 77.2

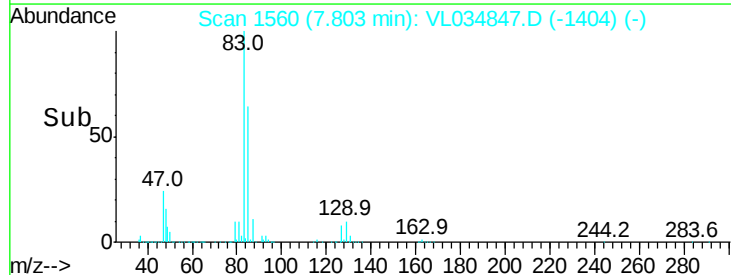
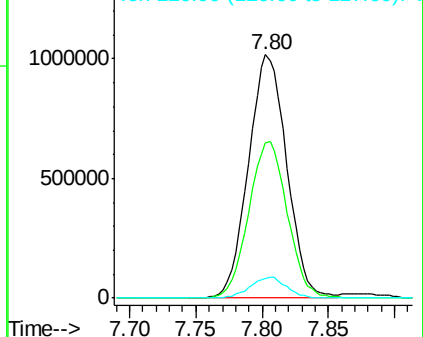
127 8.0 6.2 9.4

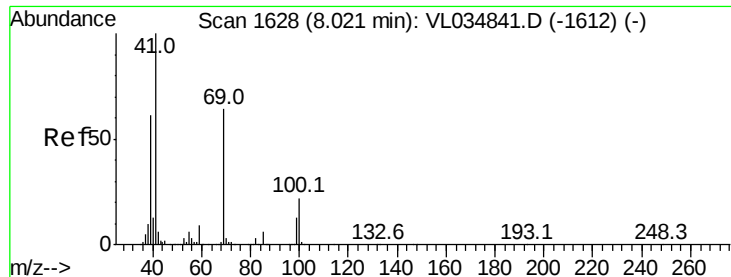


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

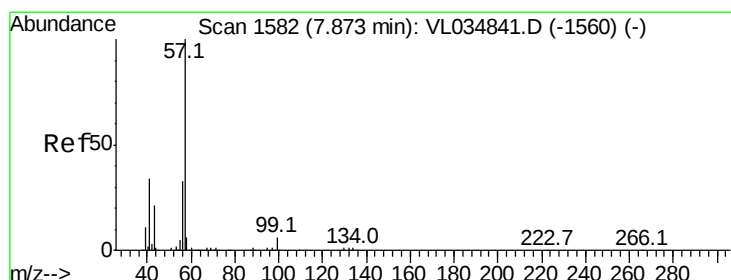
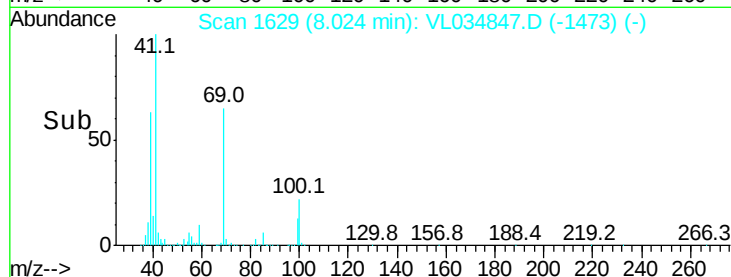
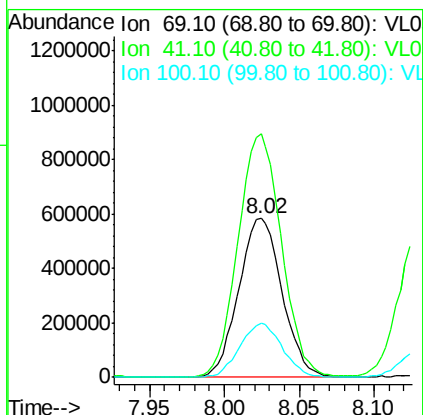
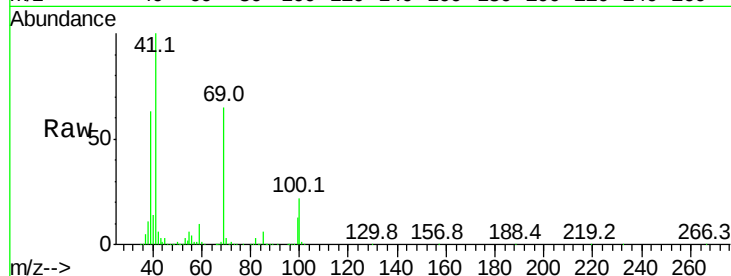




#43
Methyl Methacrylate
Concen: 15.190 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VL034847.D
Acq: 9 Mar 2020 16:09

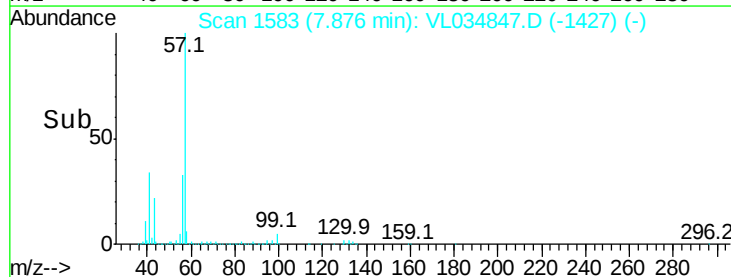
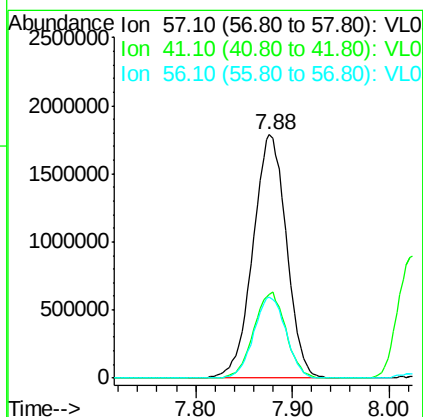
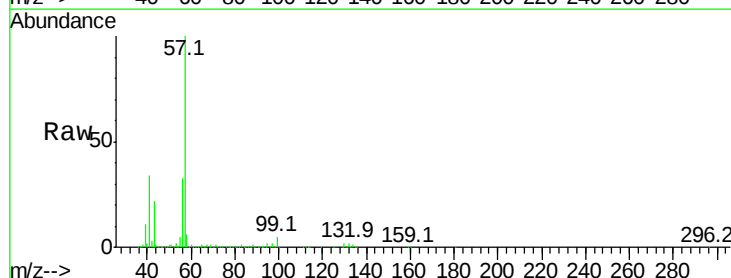
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

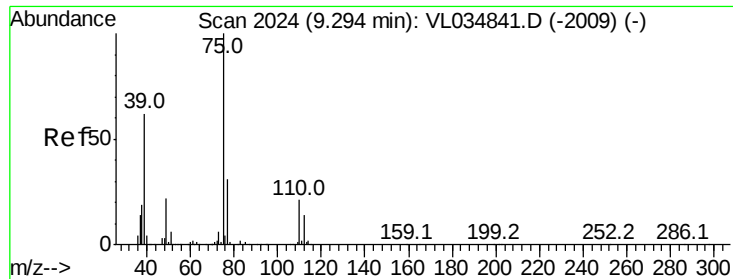
Tgt Ion: 69 Resp: 1176187
Ion Ratio Lower Upper
69 100
41 153.9 123.2 184.8
100 33.4 26.9 40.3



#44
2,2,4-Trimethylpentane
Concen: 13.464 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VL034847.D
Acq: 9 Mar 2020 16:09

Tgt Ion: 57 Resp: 4299434
Ion Ratio Lower Upper
57 100
41 33.8 26.2 39.4
56 32.1 25.0 37.4

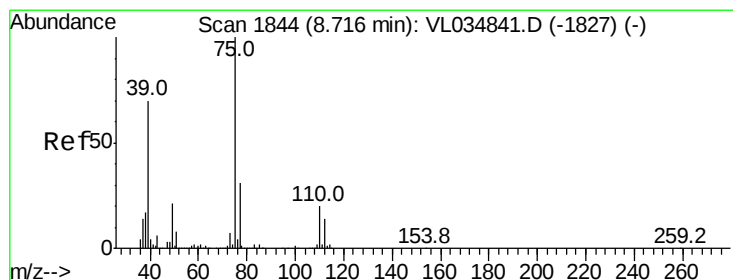
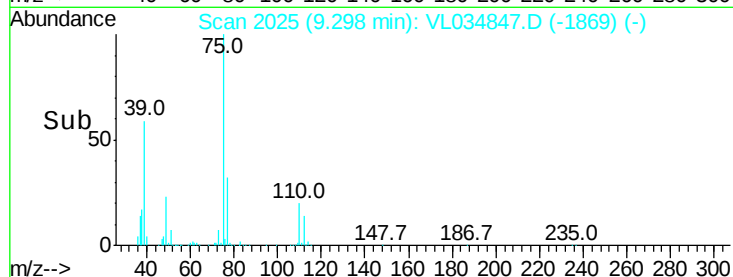
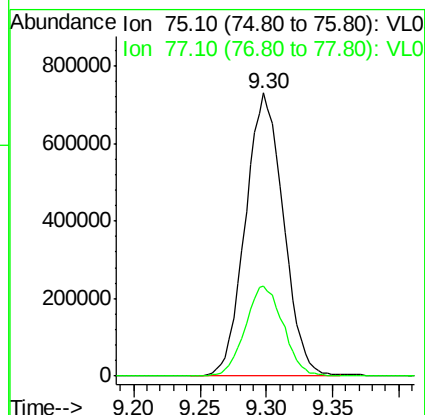
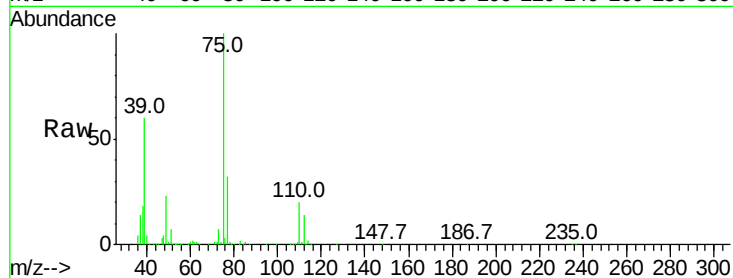




#45
 t-1,3-Dichloropropene
 Concen: 17.963 ppbv
 RT: 9.30 min Scan# 2025
 Delta R.T. 0.00 min
 Lab File: VL034847.D
 Acq: 9 Mar 2020 16:09

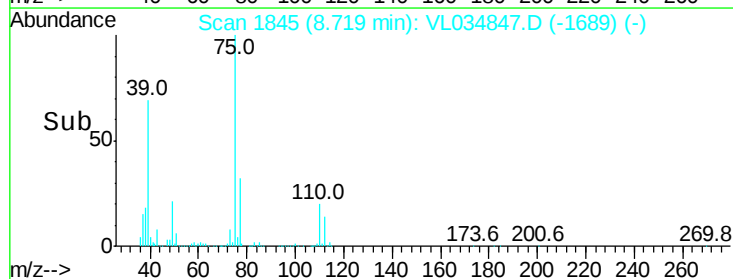
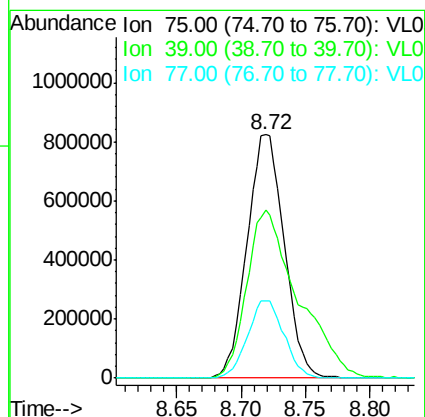
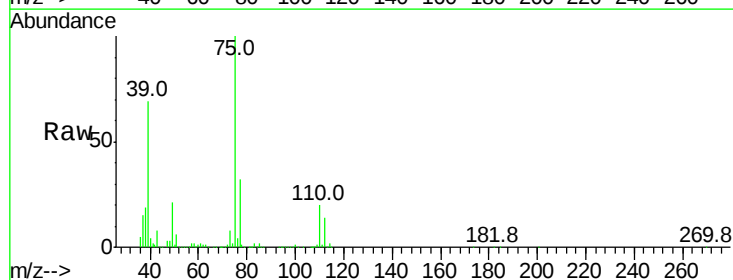
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

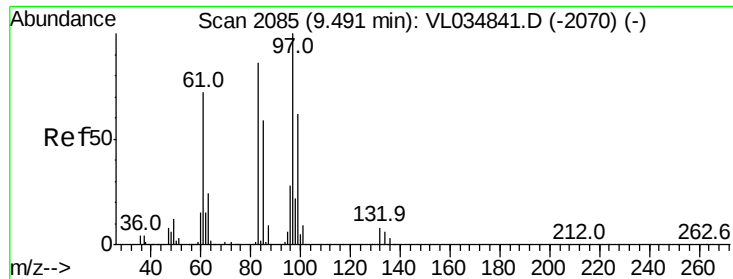
Tgt Ion: 75 Resp: 1460206
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.6 37.0



#46
 cis-1,3-Dichloropropene
 Concen: 16.692 ppbv
 RT: 8.72 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: VL034847.D
 Acq: 9 Mar 2020 16:09

Tgt Ion: 75 Resp: 1656887
 Ion Ratio Lower Upper
 75 100
 39 69.0 55.7 83.5
 77 31.8 24.7 37.1





#47

1,1,2-Trichloroethane

Concen: 13.779 ppbv

RT: 9.50 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 1072749

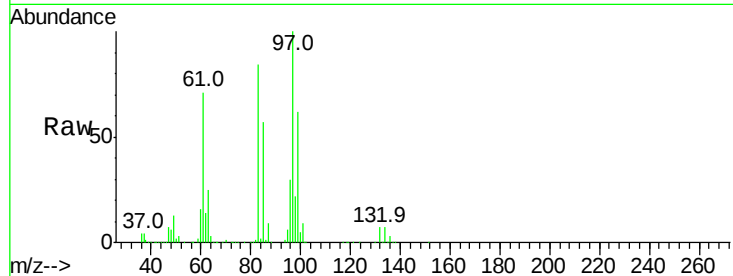
Ion Ratio Lower Upper

97 100

83 83.6 68.6 102.8

85 56.9 46.9 70.3

99 62.3 49.9 74.9

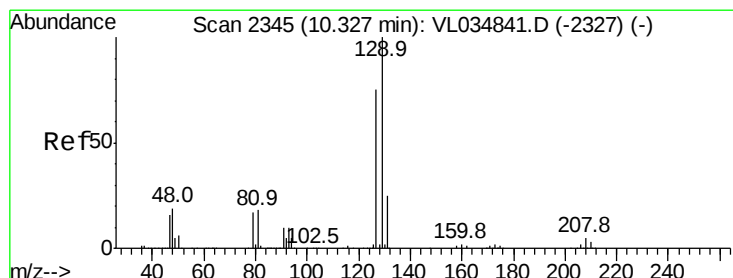
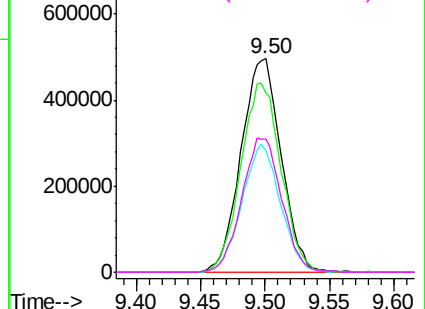
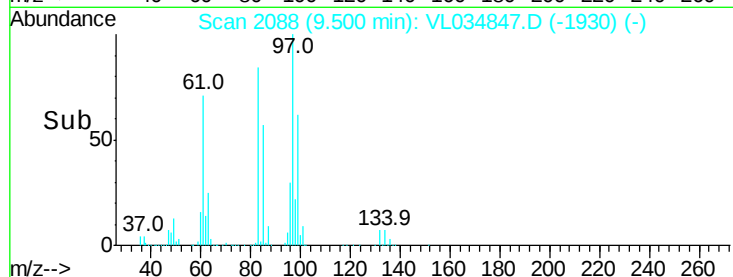


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 15.025 ppbv

RT: 10.33 min Scan# 2346

Delta R.T. 0.00 min

Lab File: VL034847.D

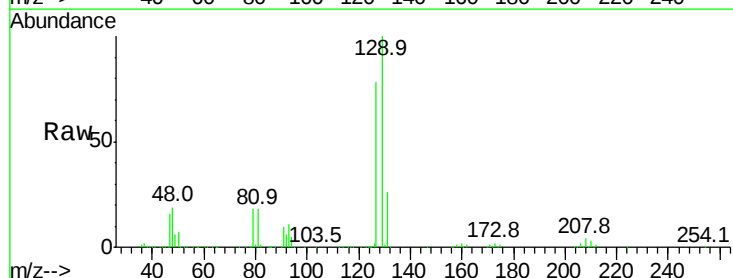
Acq: 9 Mar 2020 16:09

Tgt Ion: 129 Resp: 1829159

Ion Ratio Lower Upper

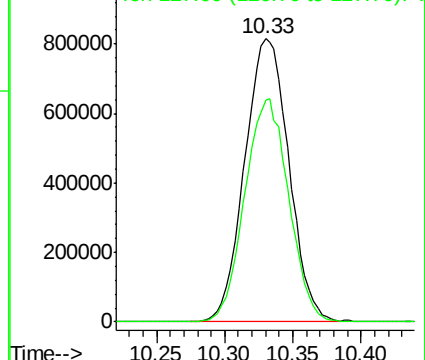
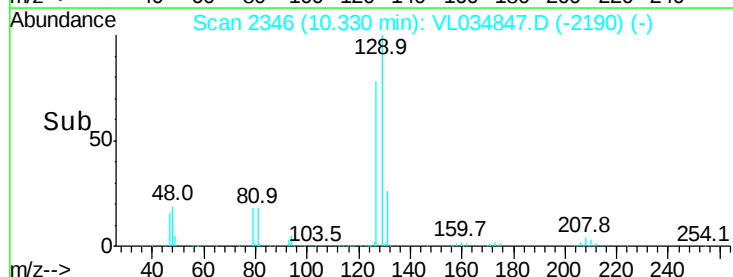
129 100

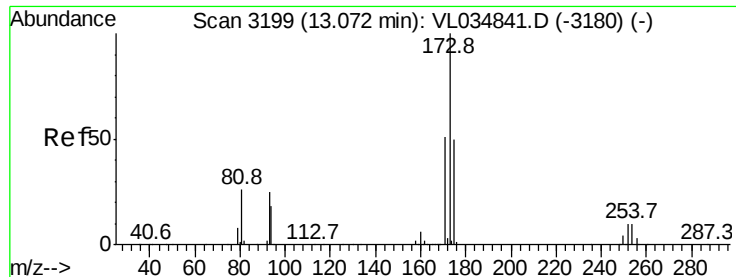
127 78.5 39.6 118.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 15.775 ppbv

RT: 13.08 min Scan# 3201

Delta R.T. 0.01 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

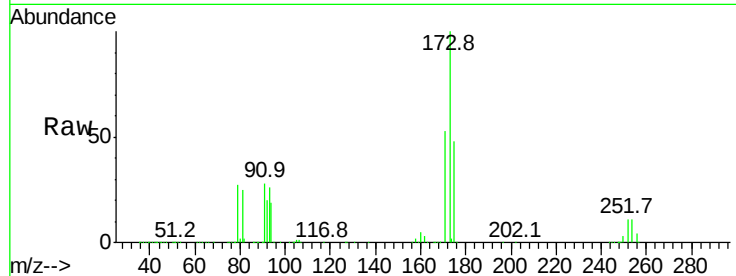
Tgt Ion:173 Resp: 1675810

Ion Ratio Lower Upper

173 100

175 49.9 39.6 59.4

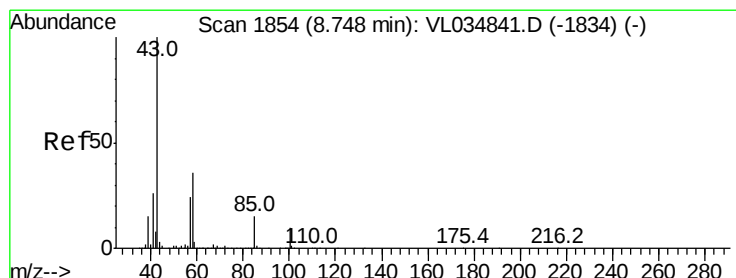
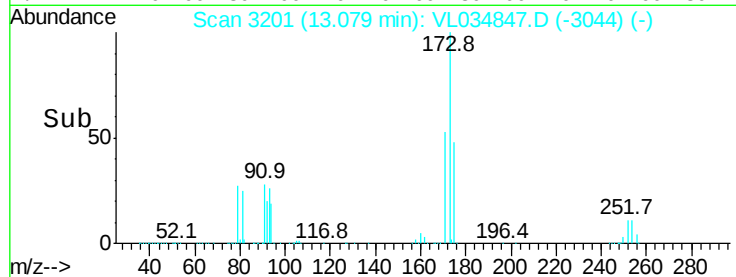
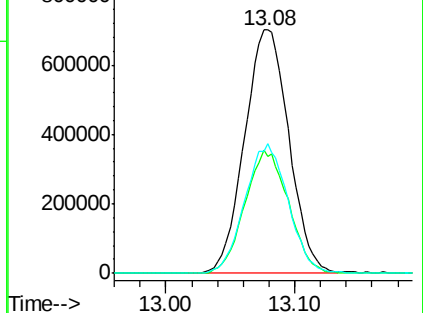
171 52.0 41.0 61.6



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 14.478 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VL034847.D

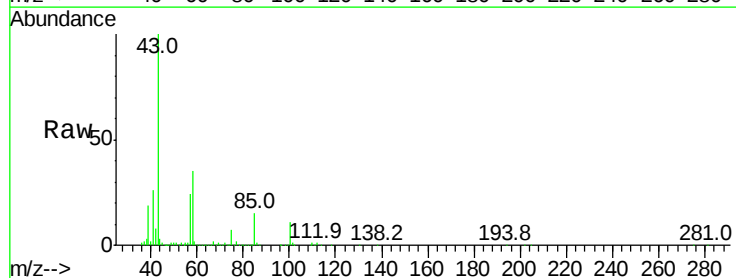
Acq: 9 Mar 2020 16:09

Tgt Ion: 43 Resp: 2886040

Ion Ratio Lower Upper

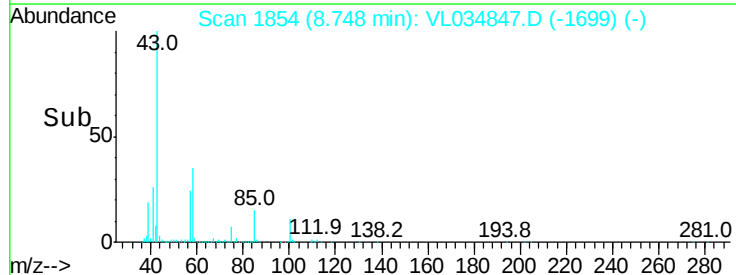
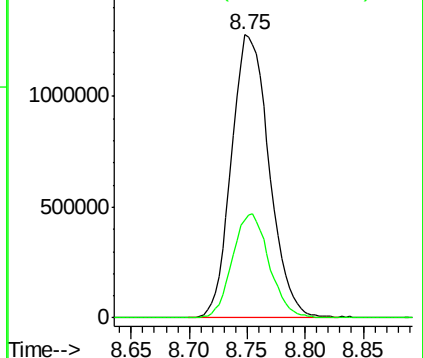
43 100

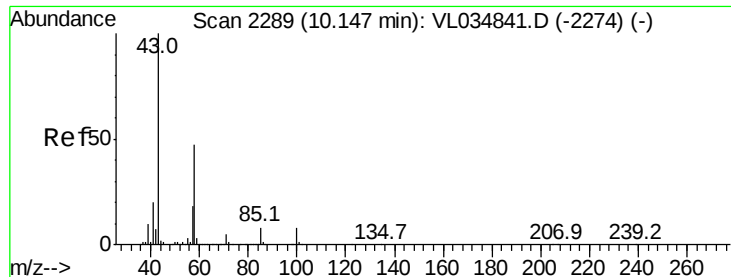
58 35.9 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 15.544 ppbv

RT: 10.15 min Scan# 2290

Delta R.T. 0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

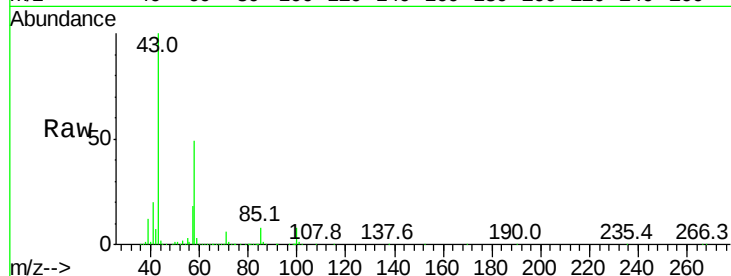
Tgt Ion: 43 Resp: 2430544

Ion Ratio Lower Upper

43 100

58 48.4 38.6 58.0

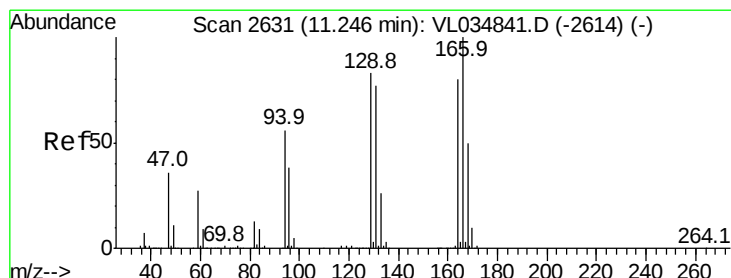
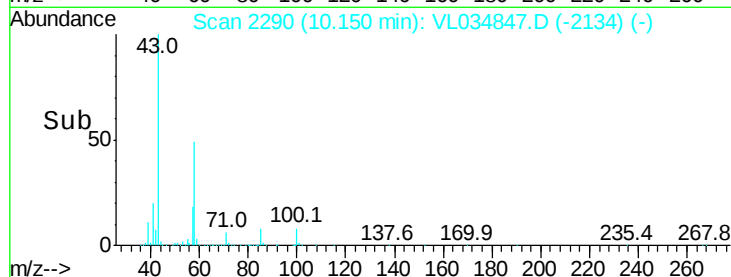
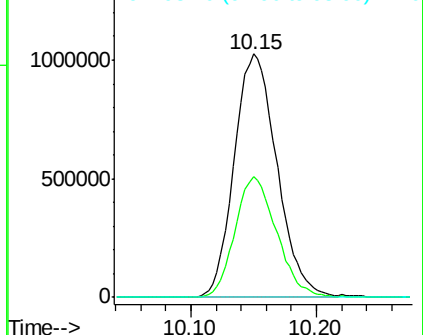
98 0.1 0.1 0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 14.232 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. 0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Tgt Ion: 164 Resp: 960831

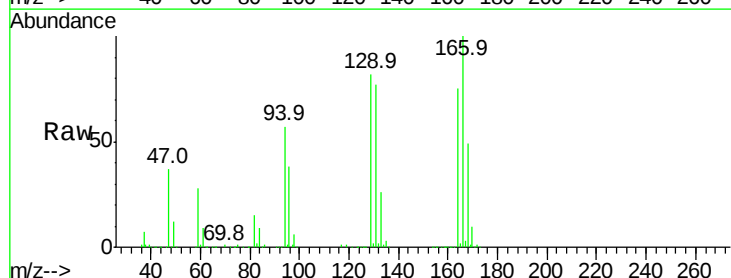
Ion Ratio Lower Upper

164 100

166 133.0 100.0 150.0

129 109.5 83.1 124.7

131 101.9 77.2 115.8

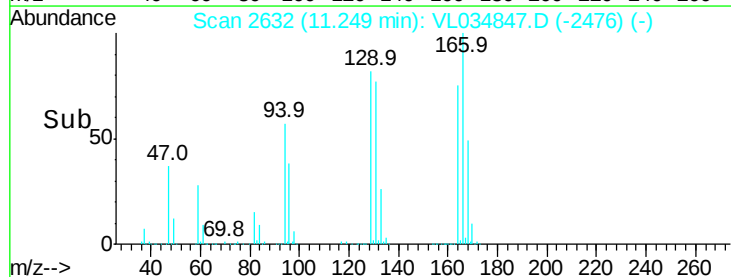
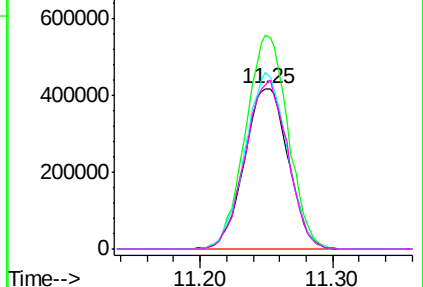


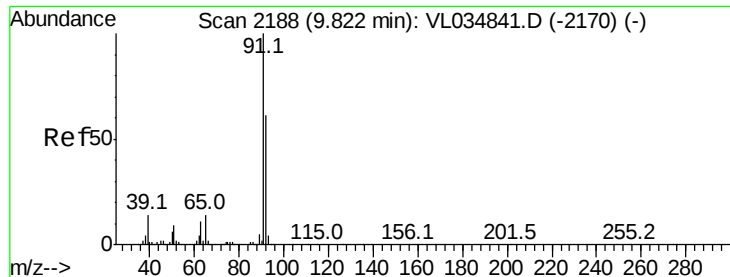
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 15.738 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.01 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

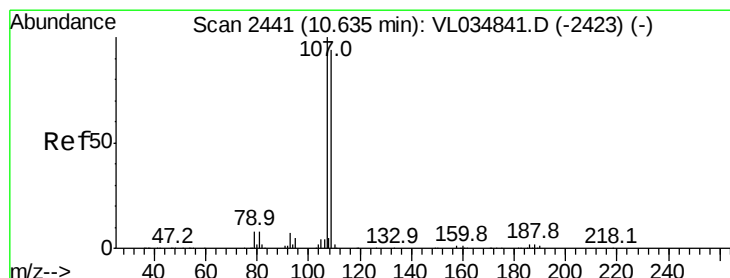
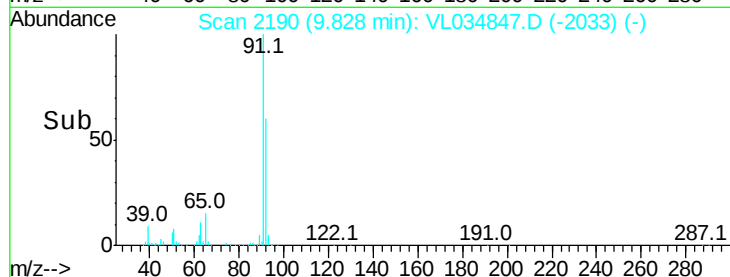
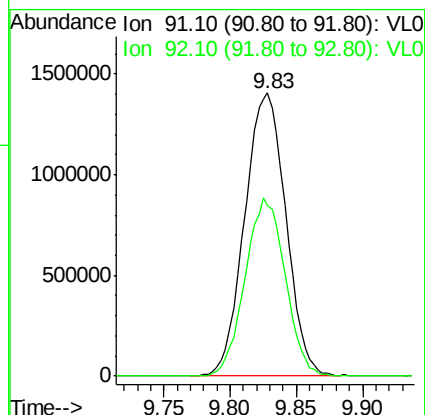
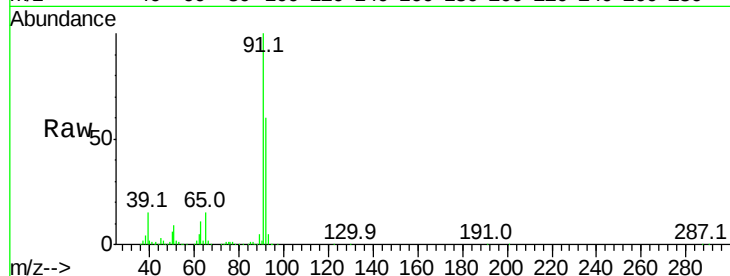
VSTDIC015

Tgt Ion: 91 Resp: 3043738

Ion Ratio Lower Upper

91 100

92 61.2 48.6 72.8



#54

1,2-Dibromoethane

Concen: 14.285 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. 0.00 min

Lab File: VL034847.D

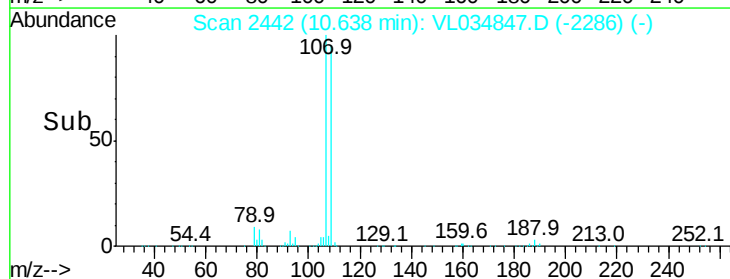
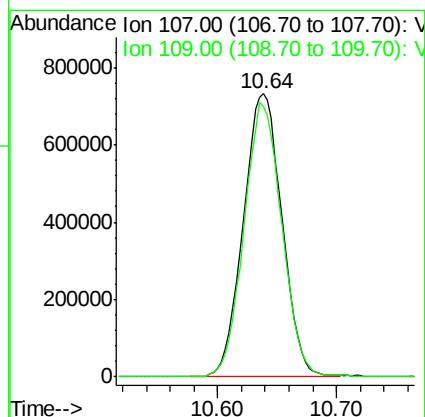
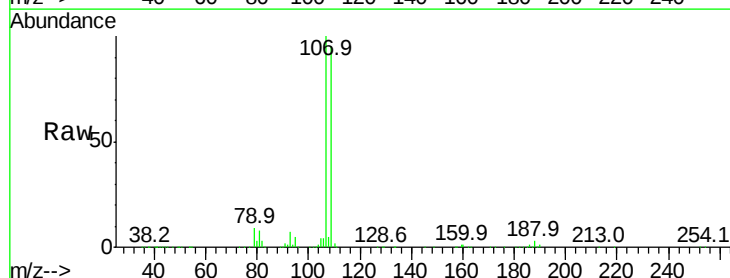
Acq: 9 Mar 2020 16:09

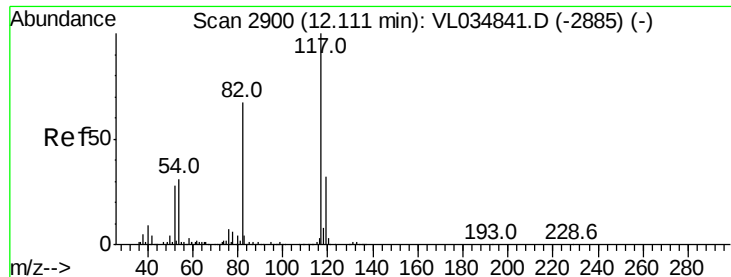
Tgt Ion: 107 Resp: 1644548

Ion Ratio Lower Upper

107 100

109 95.4 74.9 112.3

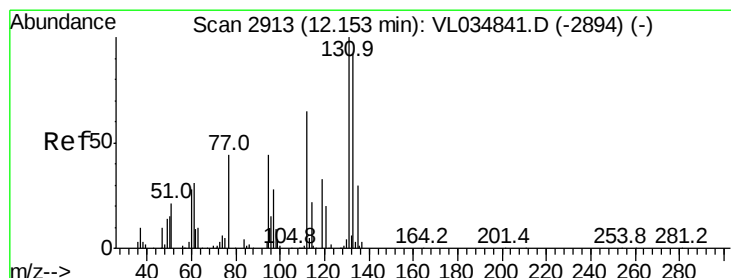
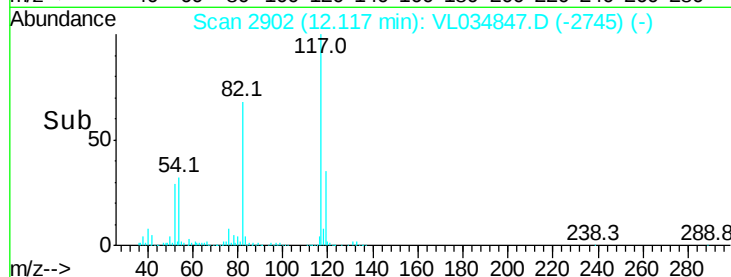
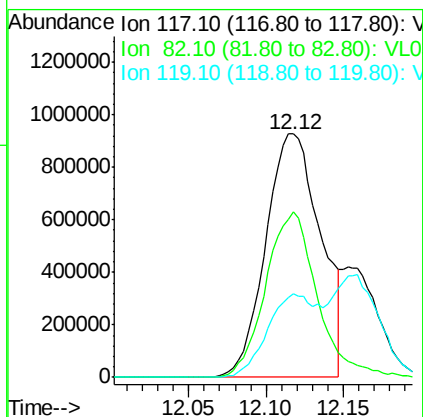
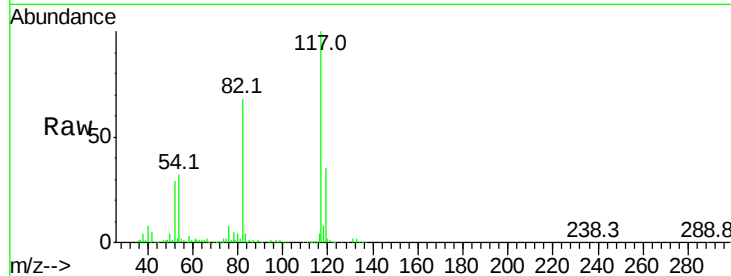




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL034847.D
Acq: 9 Mar 2020 16:09

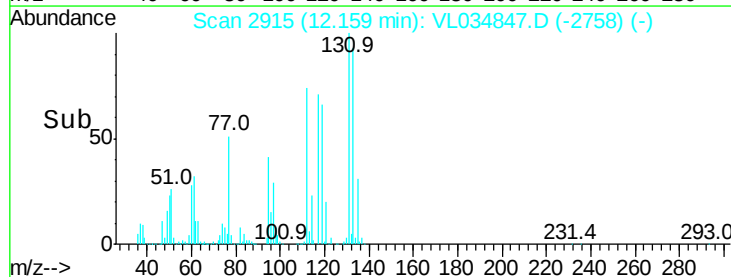
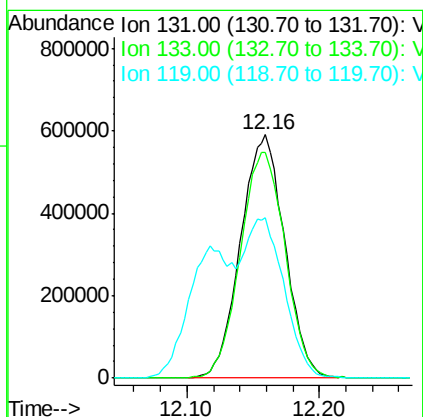
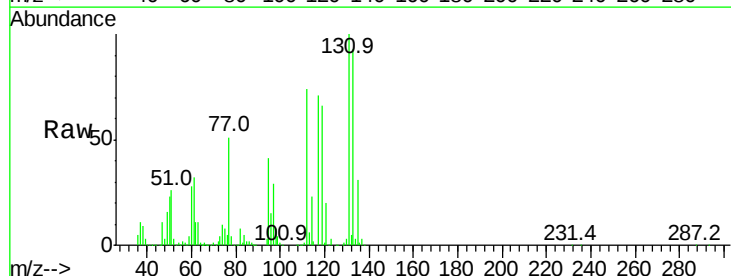
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

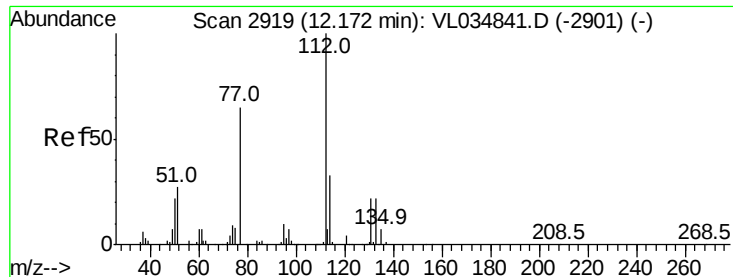
Tgt Ion:117 Resp: 2290762
Ion Ratio Lower Upper
117 100
82 64.3 51.1 76.7
119 31.9 27.3 40.9



#56
1,1,1,2-Tetrachloroethane
Concen: 13.392 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.01 min
Lab File: VL034847.D
Acq: 9 Mar 2020 16:09

Tgt Ion:131 Resp: 1359264
Ion Ratio Lower Upper
131 100
133 94.9 76.0 114.0
119 68.3 47.8 71.8

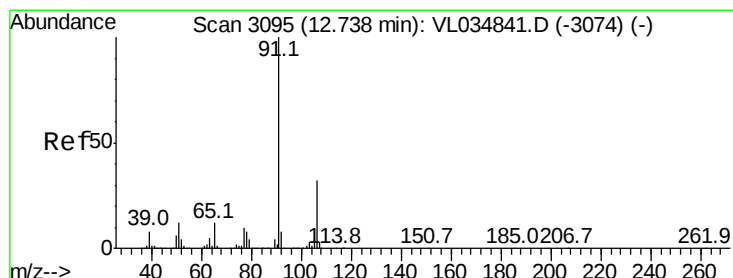
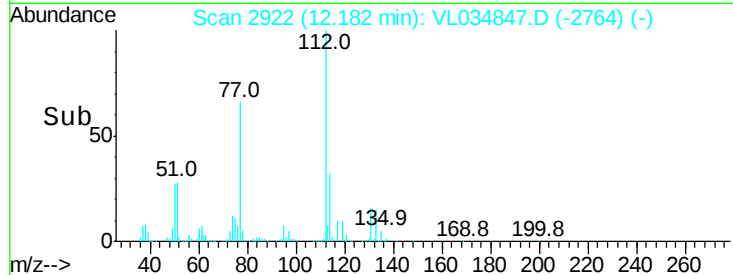
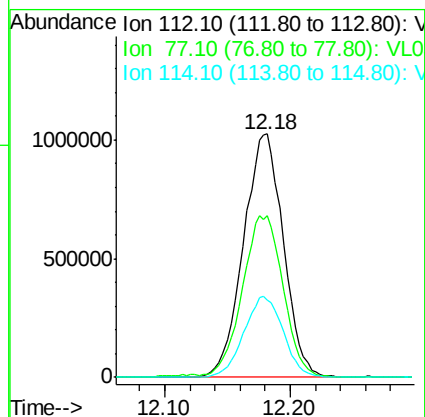
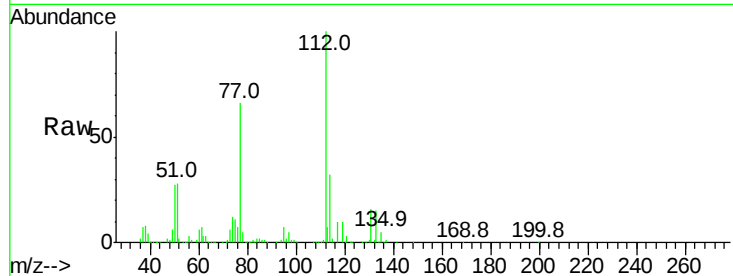




#57
Chlorobenzene
Concen: 12.942 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. 0.01 min
Lab File: VL034847.D
Acq: 9 Mar 2020 16:09

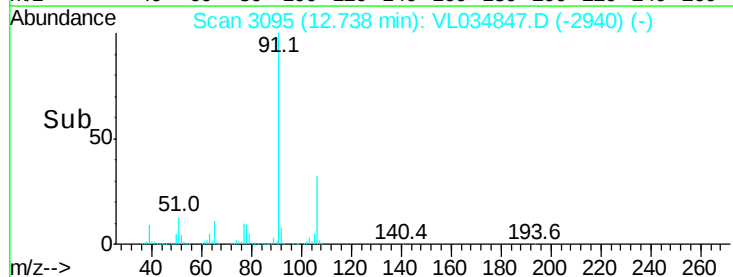
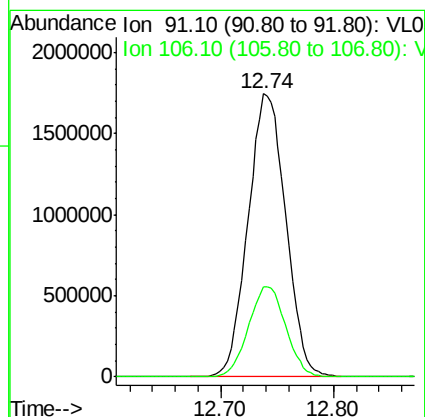
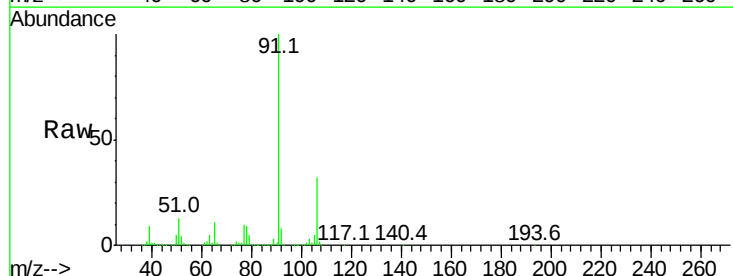
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

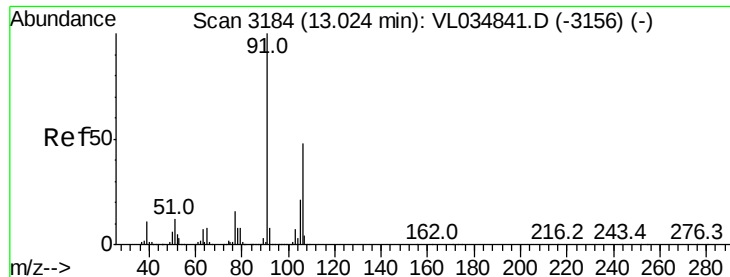
Tgt Ion: 112 Resp: 2264646
Ion Ratio Lower Upper
112 100
77 65.9 53.0 79.6
114 31.8 29.5 36.1



#58
Ethyl Benzene
Concen: 14.320 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. -0.00 min
Lab File: VL034847.D
Acq: 9 Mar 2020 16:09

Tgt Ion: 91 Resp: 4042558
Ion Ratio Lower Upper
91 100
106 31.8 25.8 38.6

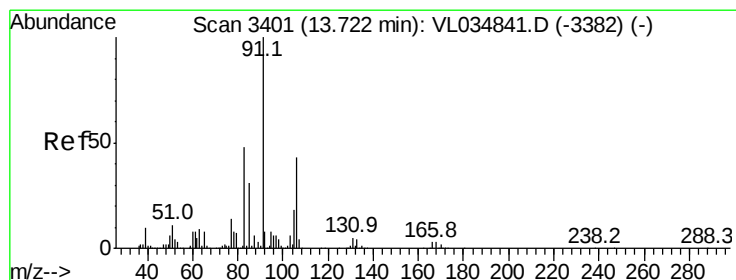
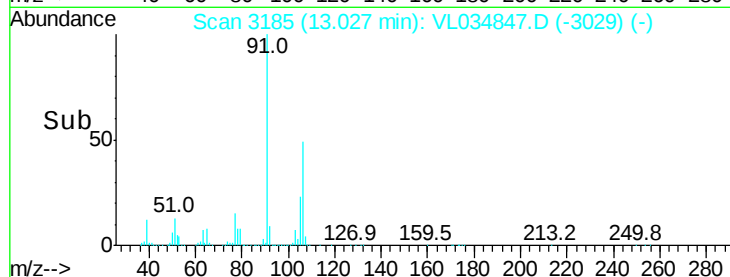
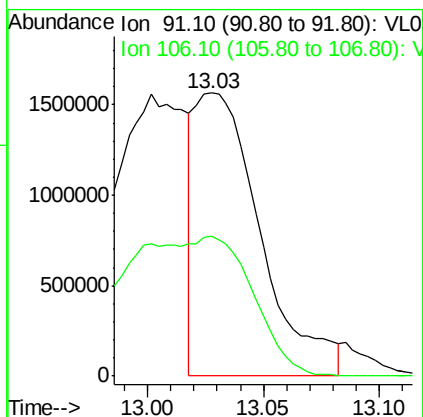
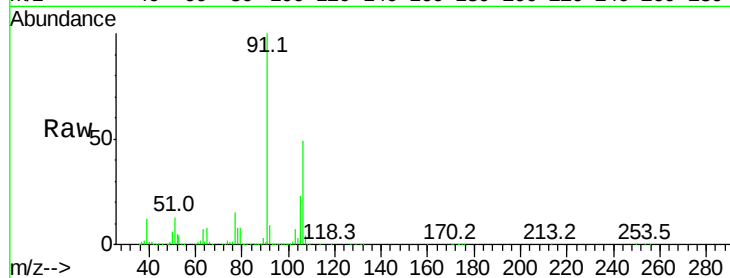




#59
m/p-Xylene
Concen: 12.402 ppbv
RT: 13.03 min Scan# 3185
Delta R.T. 0.00 min
Lab File: VL034847.D
Acq: 9 Mar 2020 16:09

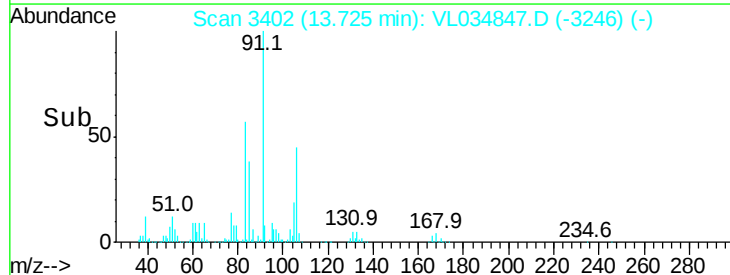
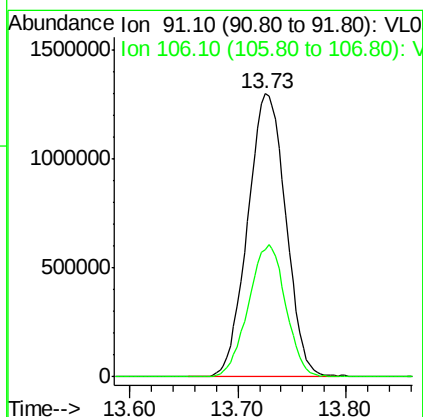
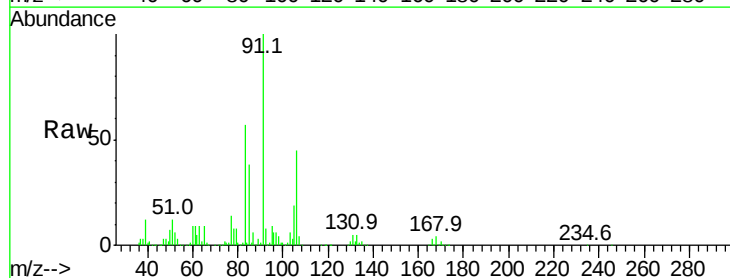
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

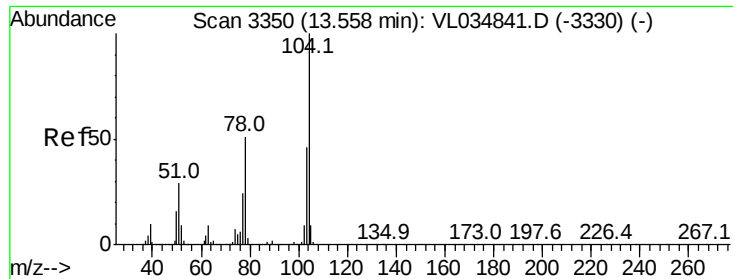
Tgt Ion: 91 Resp: 3030802
Ion Ratio Lower Upper
91 100
106 101.0 37.1 55.7#



#60
o-Xylene
Concen: 12.884 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VL034847.D
Acq: 9 Mar 2020 16:09

Tgt Ion: 91 Resp: 3185599
Ion Ratio Lower Upper
91 100
106 45.7 22.5 67.5

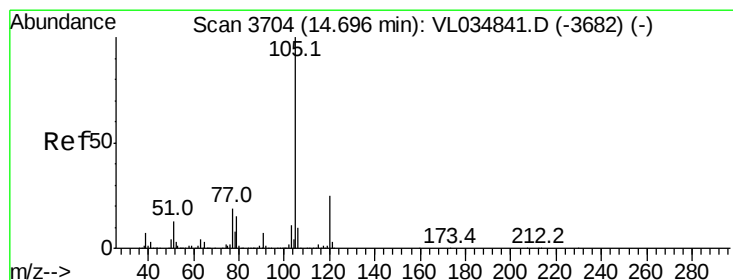
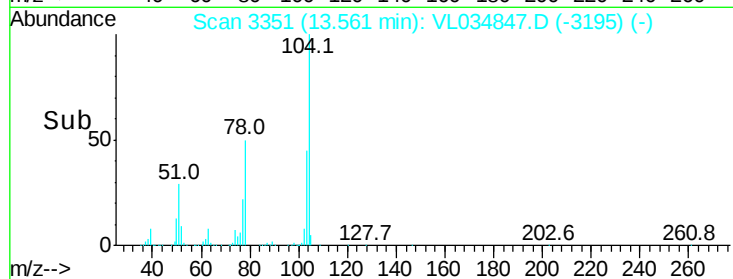
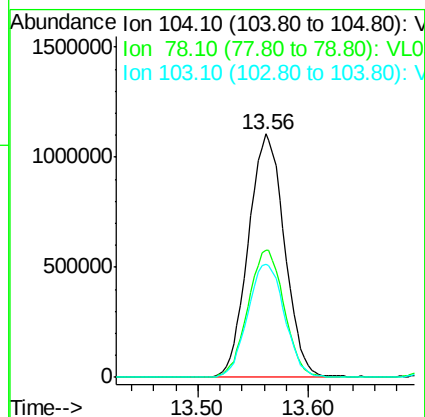
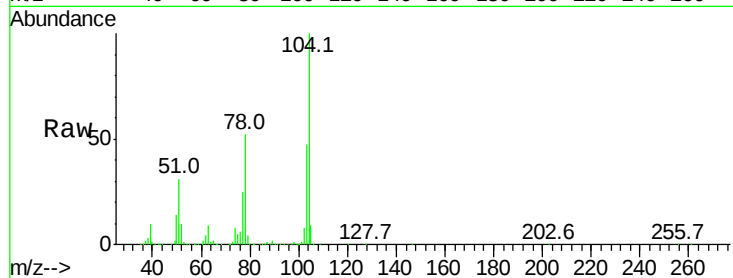




#61
 Styrene
 Concen: 16.371 ppbv
 RT: 13.56 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VL034847.D
 Acq: 9 Mar 2020 16:09

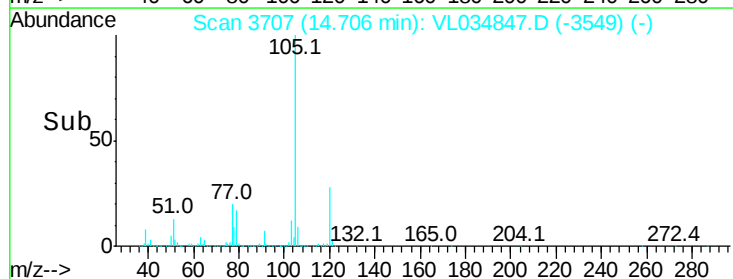
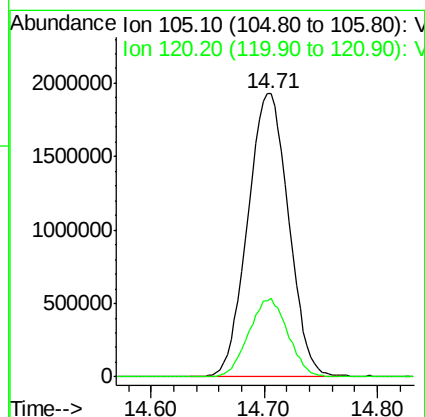
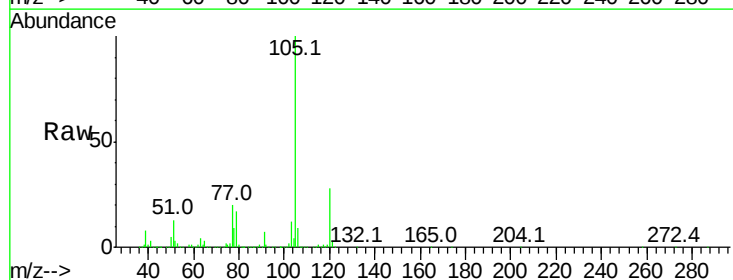
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

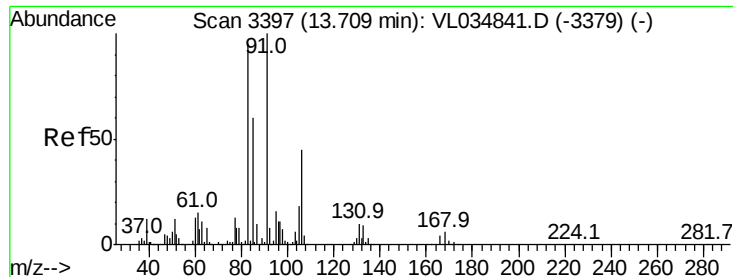
Tgt Ion:104 Resp: 2511123
 Ion Ratio Lower Upper
 104 100
 78 52.5 41.8 62.6
 103 47.7 37.8 56.6



#62
 Isopropylbenzene
 Concen: 13.331 ppbv
 RT: 14.71 min Scan# 3707
 Delta R.T. 0.01 min
 Lab File: VL034847.D
 Acq: 9 Mar 2020 16:09

Tgt Ion:105 Resp: 4851154
 Ion Ratio Lower Upper
 105 100
 120 26.6 21.0 31.4

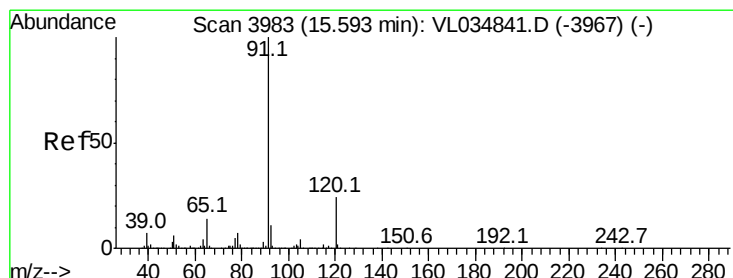
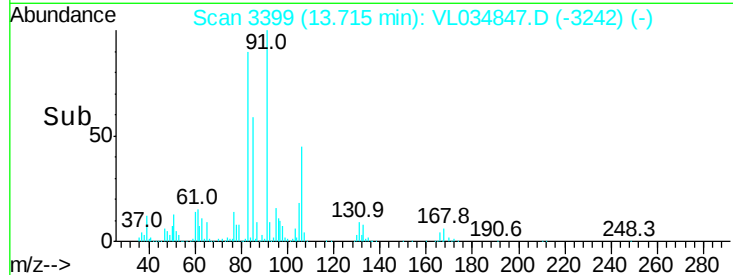
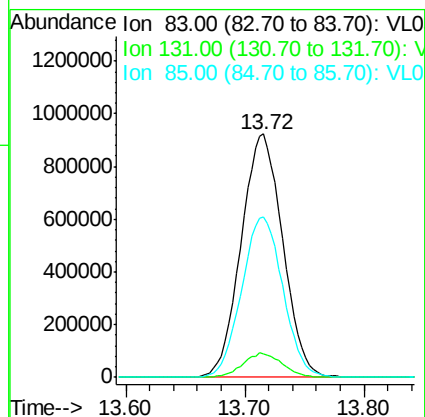
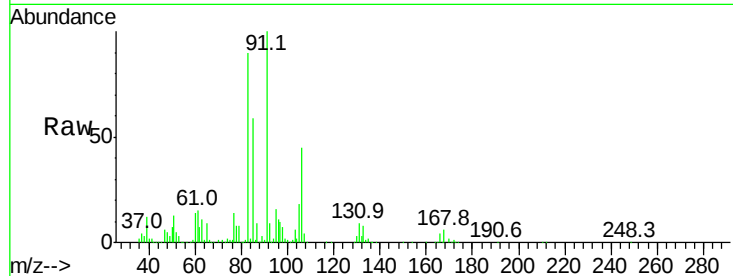




#63
 1,1,2,2-Tetrachloroethane
 Concen: 11.438 ppbv
 RT: 13.72 min Scan# 3399
 Delta R.T. 0.01 min
 Lab File: VL034847.D
 Acq: 9 Mar 2020 16:09

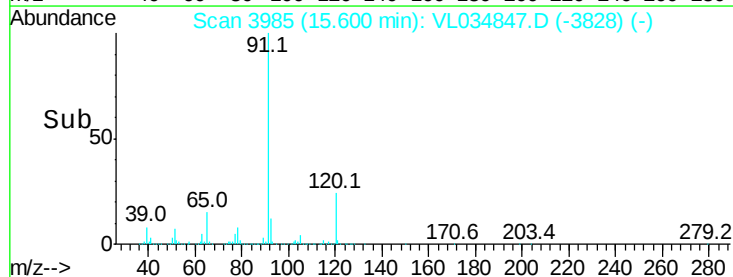
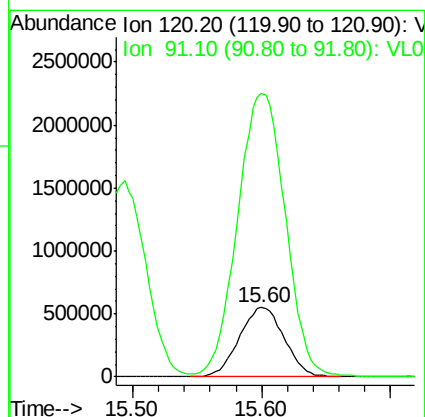
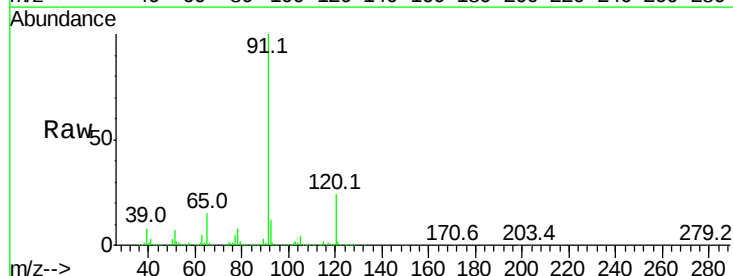
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

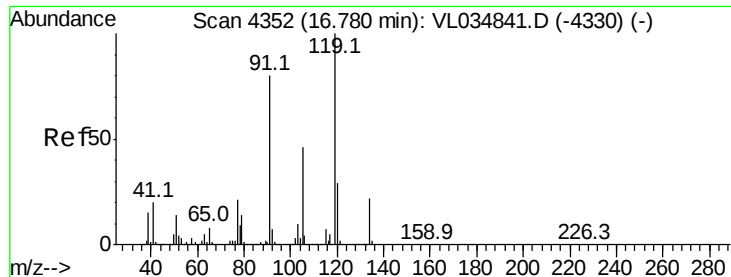
Tgt Ion: 83 Resp: 2229396
 Ion Ratio Lower Upper
 83 100
 131 9.5 5.0 14.9
 85 65.6 32.4 97.2



#64
 n-propylbenzene
 Concen: 14.675 ppbv
 RT: 15.60 min Scan# 3985
 Delta R.T. 0.01 min
 Lab File: VL034847.D
 Acq: 9 Mar 2020 16:09

Tgt Ion: 120 Resp: 1339018
 Ion Ratio Lower Upper
 120 100
 91 433.9 360.9 541.3





#65

tert-Butylbenzene

Concen: 13.735 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.01 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

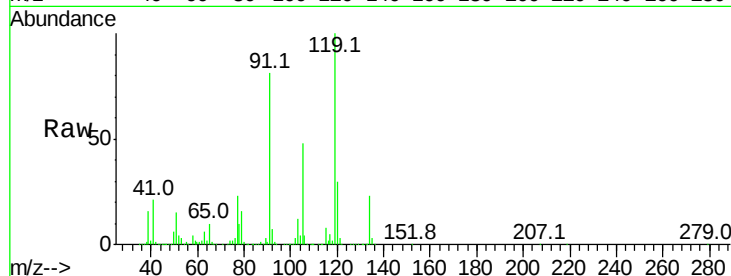
Tgt Ion:119 Resp: 4223866

Ion Ratio Lower Upper

119 100

91 81.8 64.9 97.3

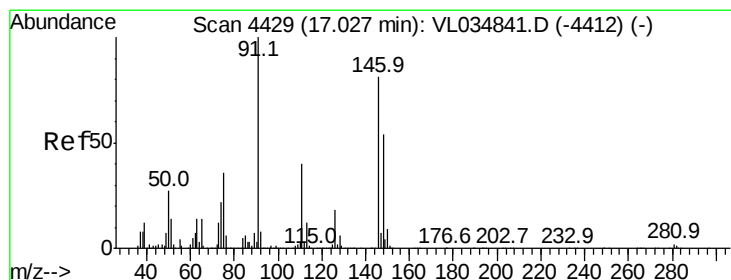
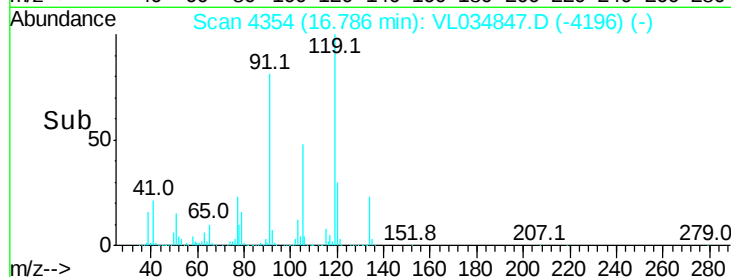
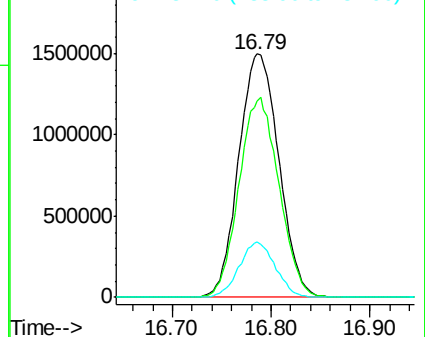
134 20.5 15.9 23.9



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: 20.835 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. 0.01 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

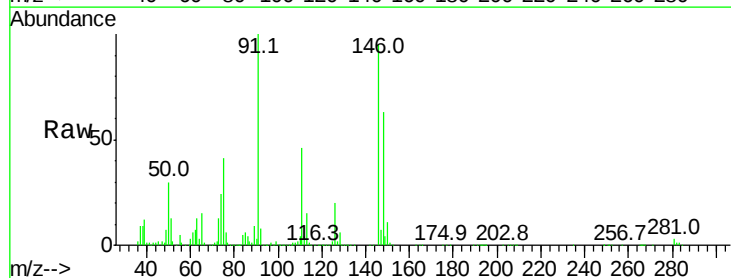
Tgt Ion: 91 Resp: 2071483

Ion Ratio Lower Upper

91 100

126 18.6 14.7 22.1

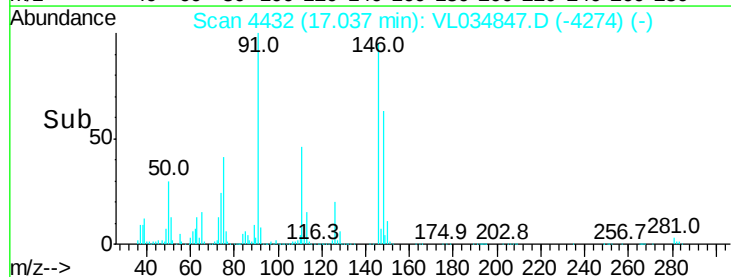
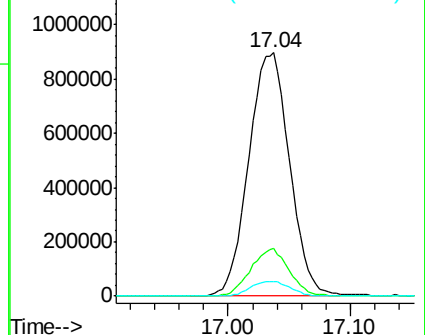
128 6.0 4.7 7.1

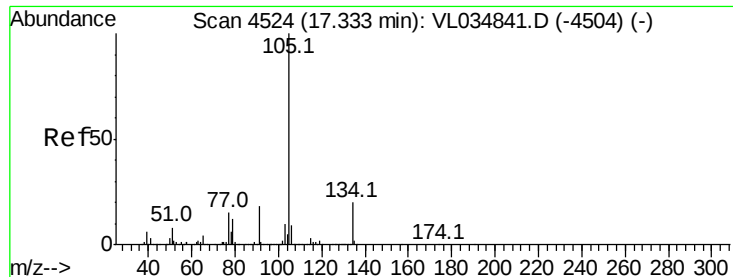


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

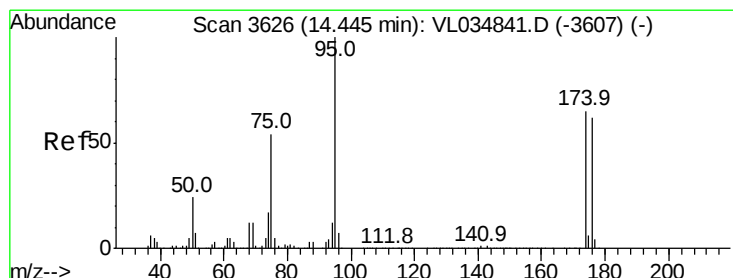
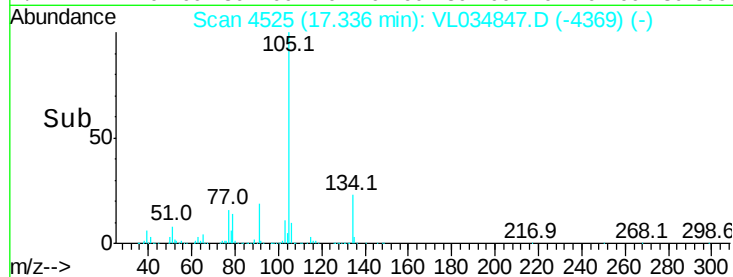
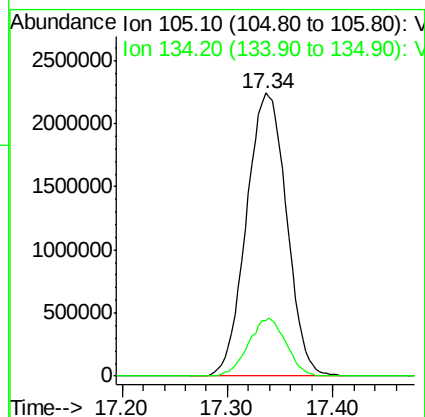
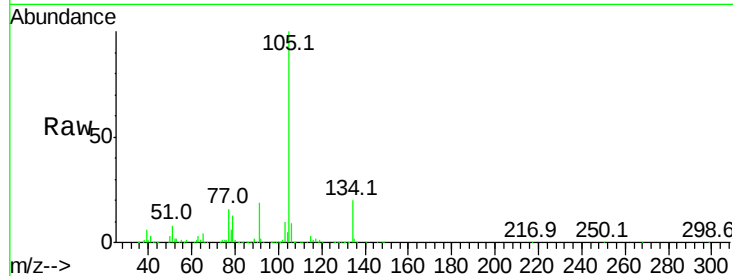




#67
 sec-Butylbenzene
 Concen: 13.252 ppbv
 RT: 17.34 min Scan# 4525
 Delta R.T. 0.00 min
 Lab File: VL034847.D
 Acq: 9 Mar 2020 16:09

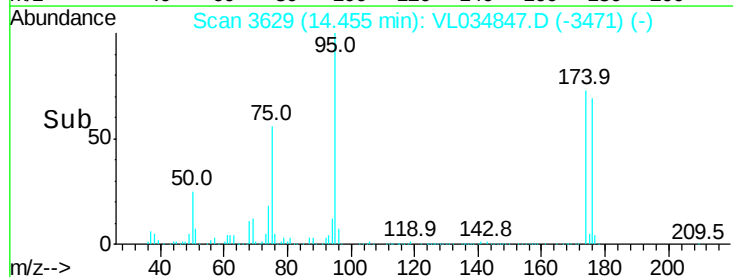
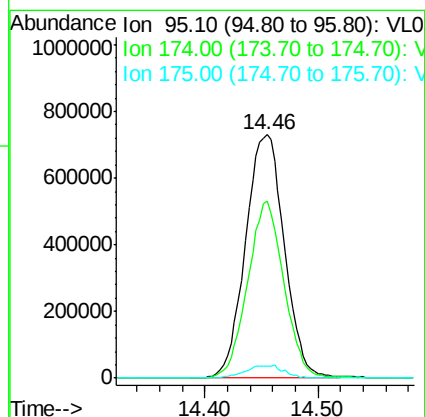
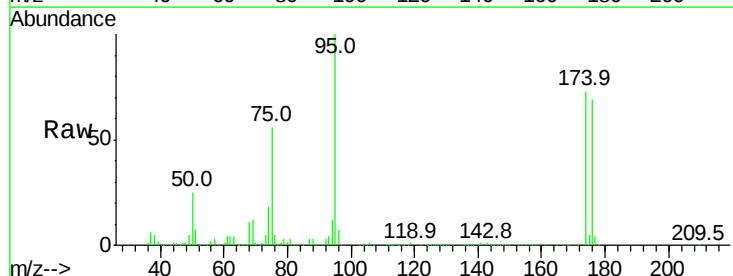
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

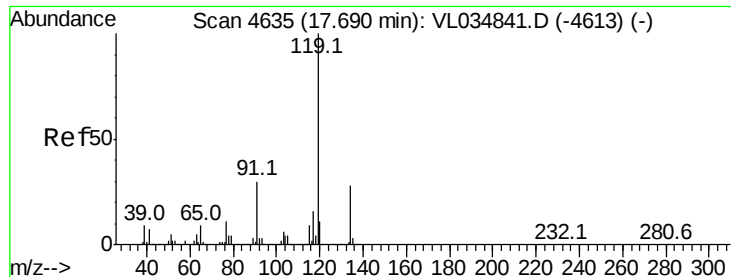
Tgt Ion:105 Resp: 5938376
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.117 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. 0.01 min
 Lab File: VL034847.D
 Acq: 9 Mar 2020 16:09

Tgt Ion: 95 Resp: 1741401
 Ion Ratio Lower Upper
 95 100
 174 68.2 55.2 82.8
 175 5.2 4.3 6.5

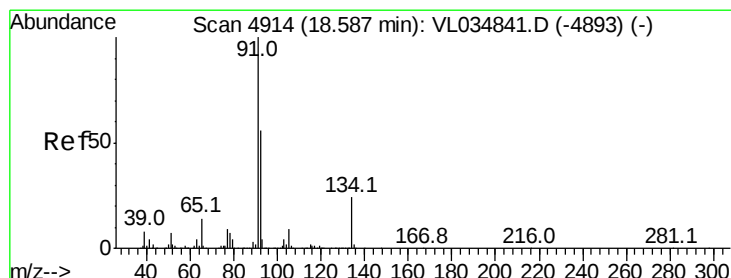
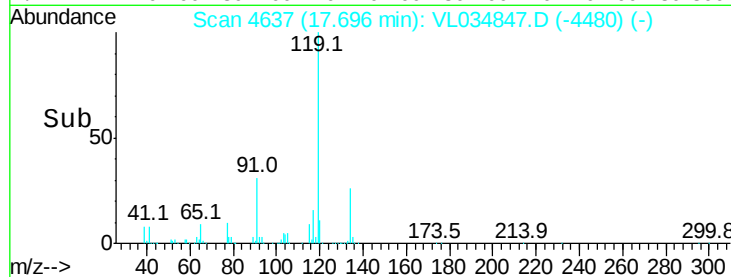
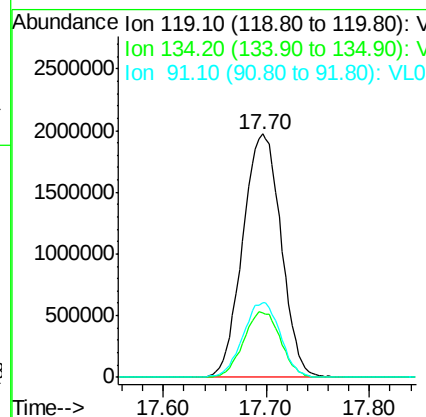
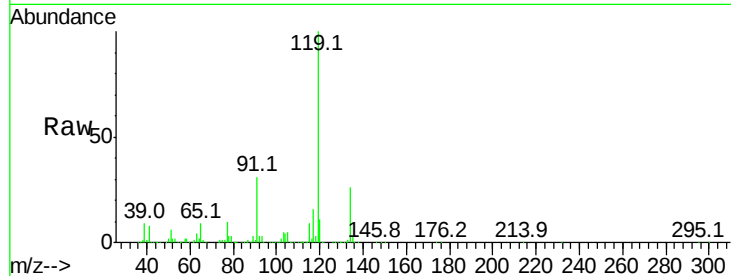




#69
 p-Isopropyltoluene
 Concen: 14.052 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. 0.01 min
 Lab File: VL034847.D
 Acq: 9 Mar 2020 16:09

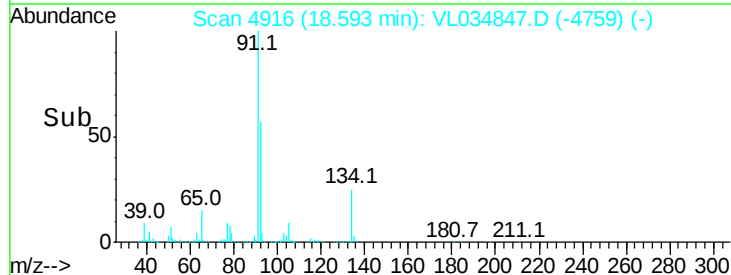
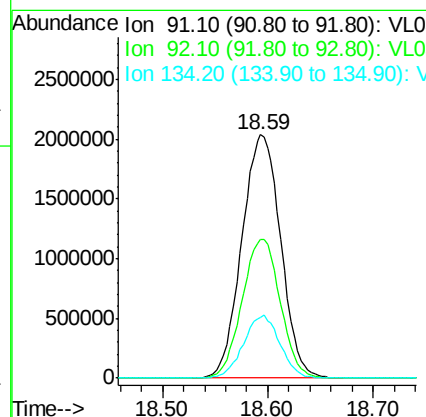
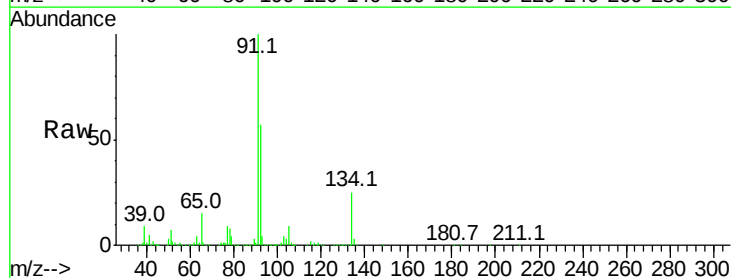
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

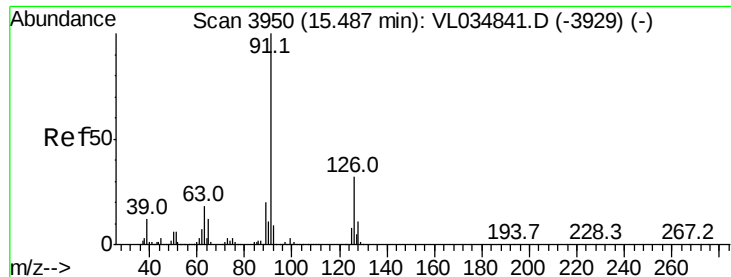
Tgt Ion: 119 Resp: 5095890
 Ion Ratio Lower Upper
 119 100
 134 26.1 20.6 30.8
 91 30.1 23.4 35.2



#70
 n-Butylbenzene
 Concen: 13.115 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. 0.01 min
 Lab File: VL034847.D
 Acq: 9 Mar 2020 16:09

Tgt Ion: 91 Resp: 5200582
 Ion Ratio Lower Upper
 91 100
 92 56.2 43.8 65.6
 134 24.3 19.0 28.4





#71

2-Chlorotoluene

Concen: 13.686 ppbv

RT: 15.49 min Scan# 3952

Delta R.T. 0.01 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

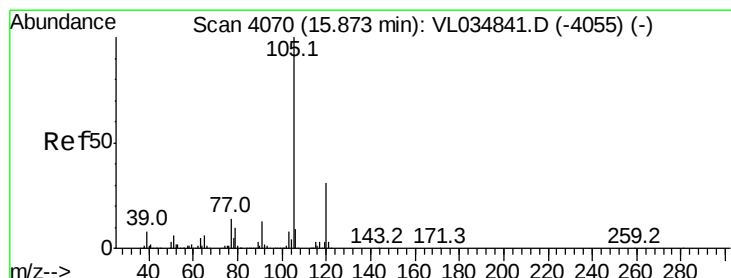
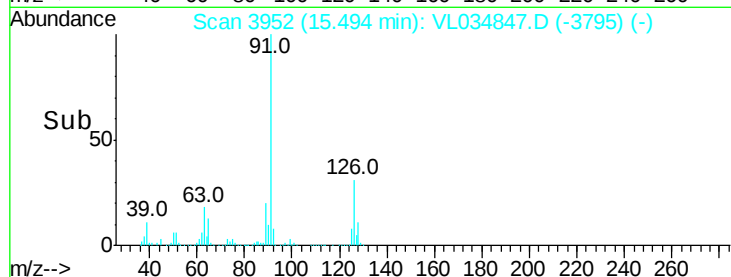
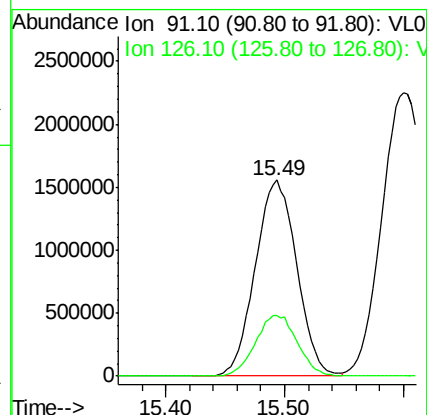
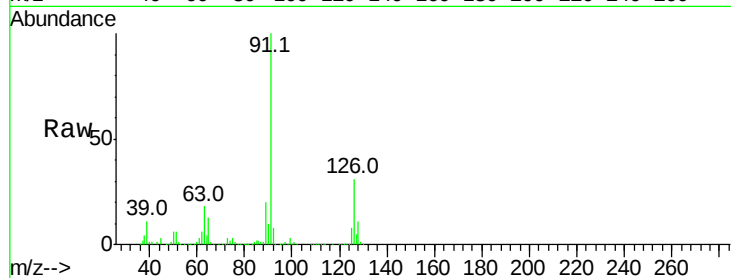
VSTDIC015

Tgt Ion: 91 Resp: 3761605

Ion Ratio Lower Upper

91 100

126 31.2 12.3 49.1



#72

4-Ethyltoluene

Concen: 14.475 ppbv

RT: 15.88 min Scan# 4072

Delta R.T. 0.01 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Tgt Ion: 105 Resp: 3984727

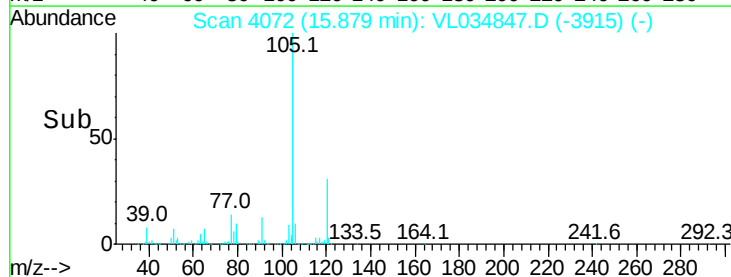
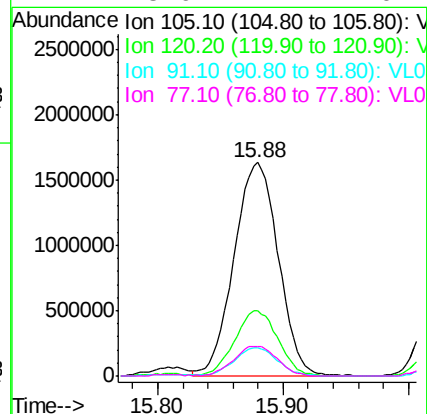
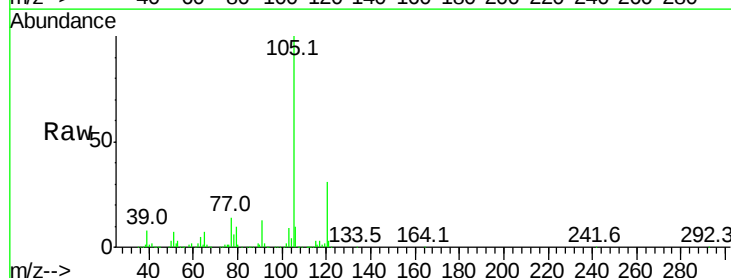
Ion Ratio Lower Upper

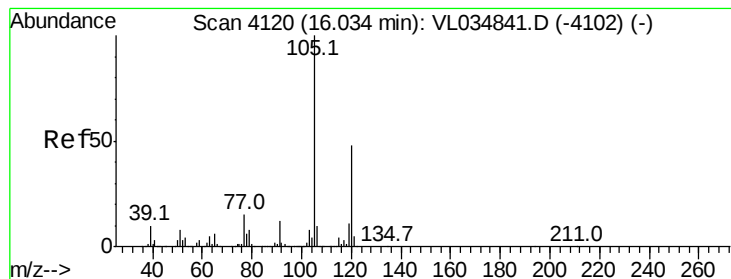
105 100

120 30.2 23.7 35.5

91 13.6 10.5 15.7

77 13.9 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 14.134 ppbv

RT: 16.04 min Scan# 4122

Delta R.T. 0.01 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

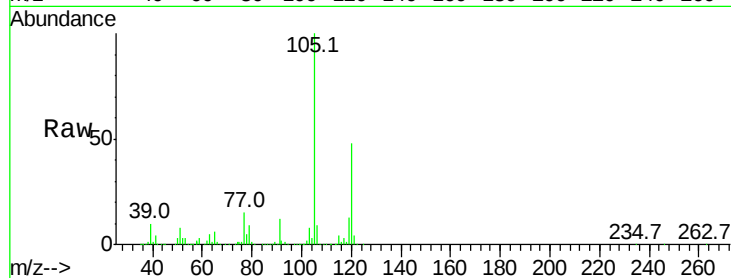
VSTDIC015

Tgt Ion:105 Resp: 3732209

Ion Ratio Lower Upper

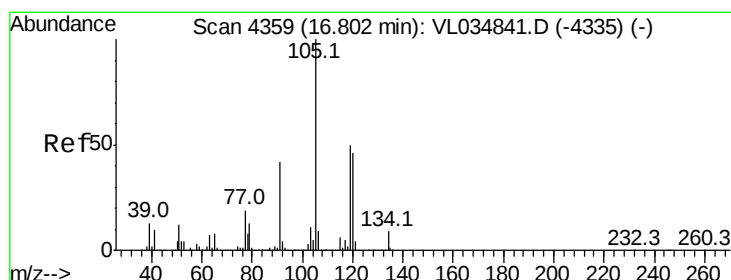
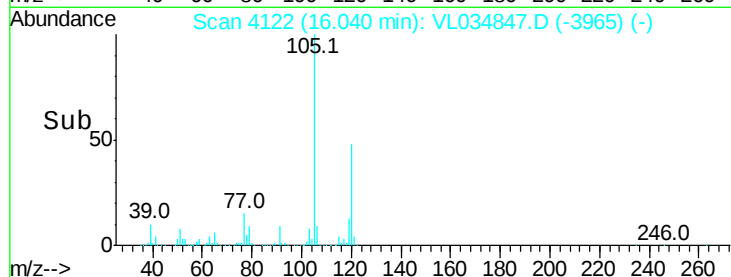
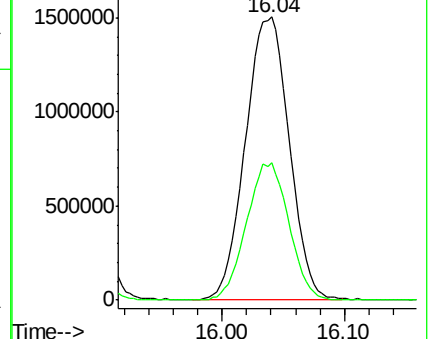
105 100

120 48.4 38.6 58.0



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: 13.048 ppbv

RT: 16.81 min Scan# 4361

Delta R.T. 0.01 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Tgt Ion:105 Resp: 3745572

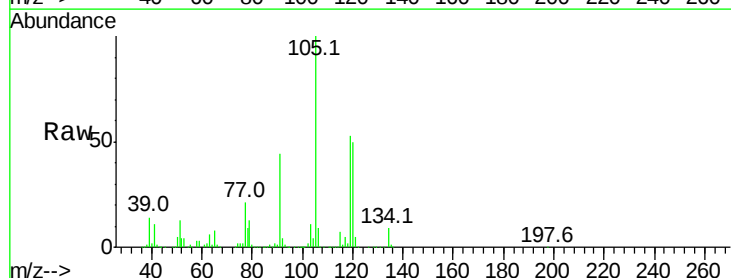
Ion Ratio Lower Upper

105 100

120 49.5 37.0 55.4

91 43.6 33.8 50.6

77 21.0 15.4 23.0

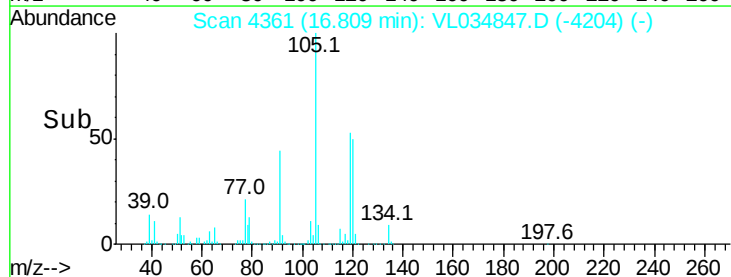
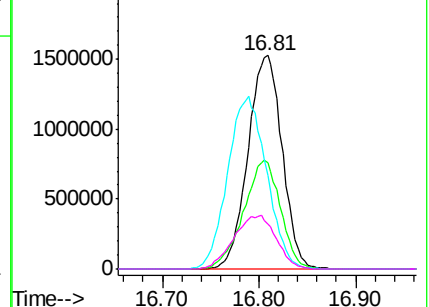


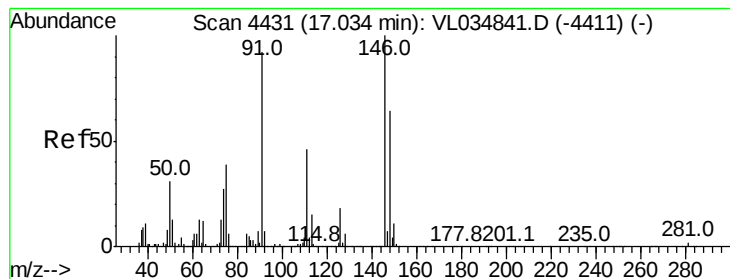
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 13.127 ppbv

RT: 17.04 min Scan# 4434

Delta R.T. 0.01 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

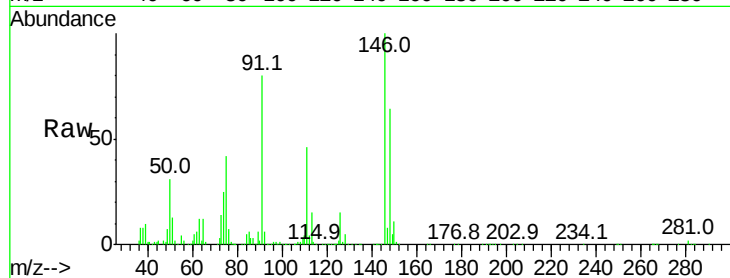
Tgt Ion:146 Resp: 2230645

Ion Ratio Lower Upper

146 100

111 48.1 23.9 71.7

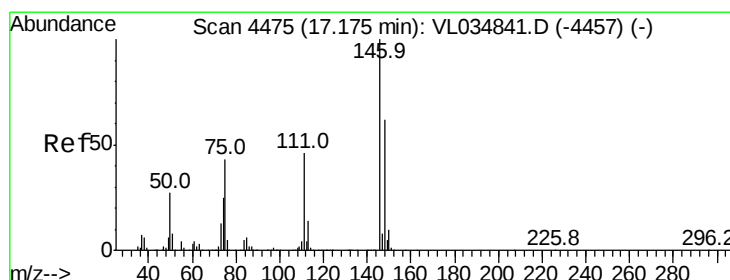
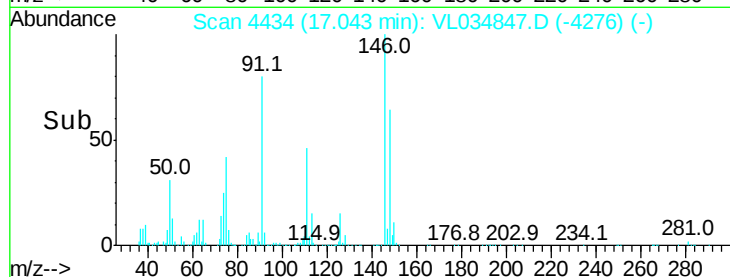
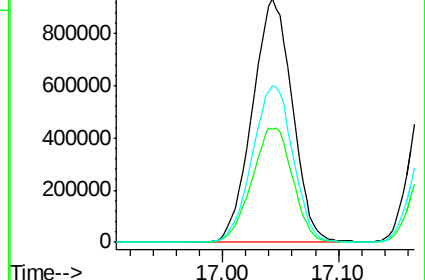
148 65.5 32.5 97.5



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: 14.052 ppbv

RT: 17.18 min Scan# 4478

Delta R.T. 0.01 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

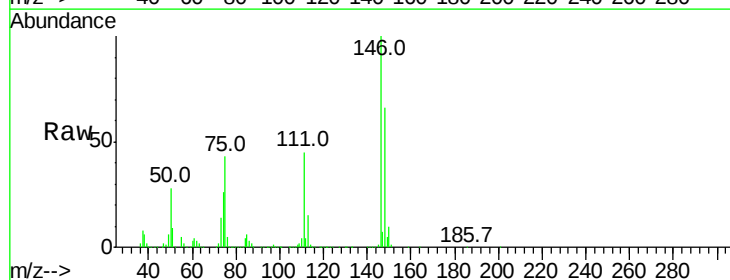
Tgt Ion:146 Resp: 2284950

Ion Ratio Lower Upper

146 100

111 47.1 23.4 70.2

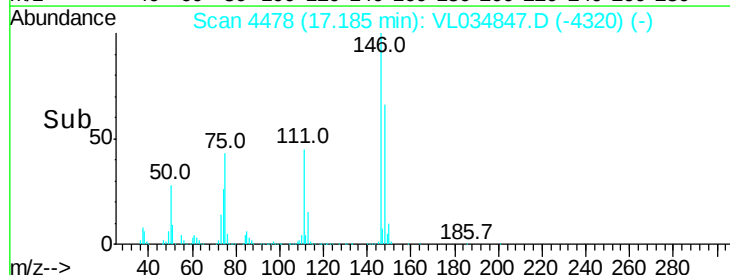
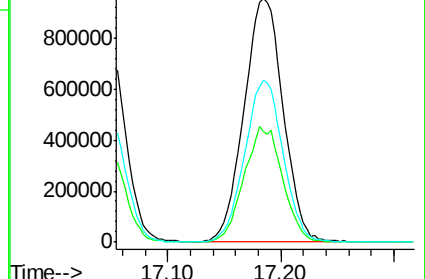
148 65.9 32.3 96.9

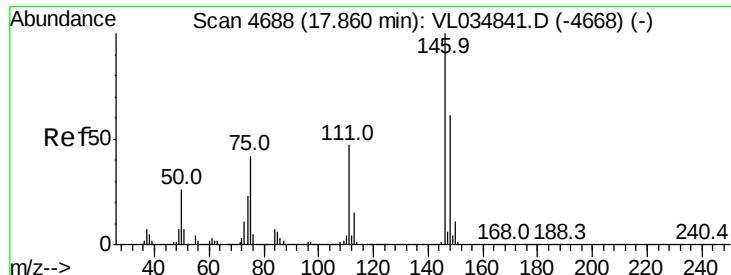


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 13.575 ppbv

RT: 17.86 min Scan# 4689

Delta R.T. 0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

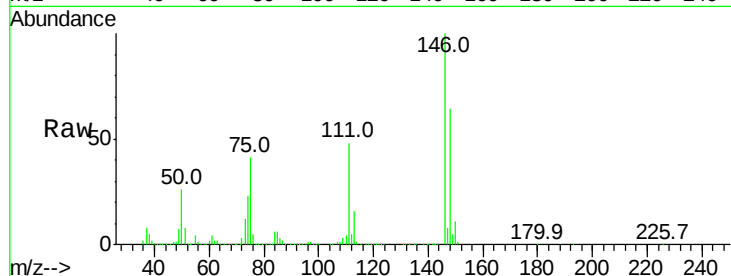
Tgt Ion:146 Resp: 2206709

Ion Ratio Lower Upper

146 100

111 49.0 23.8 71.4

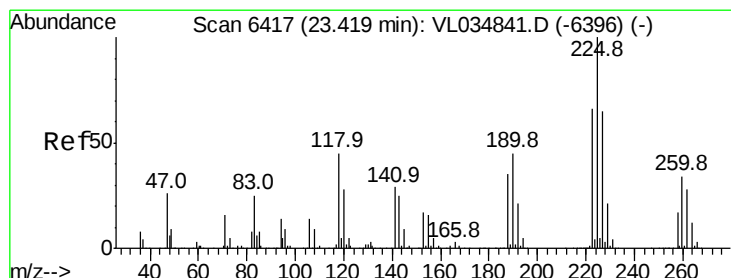
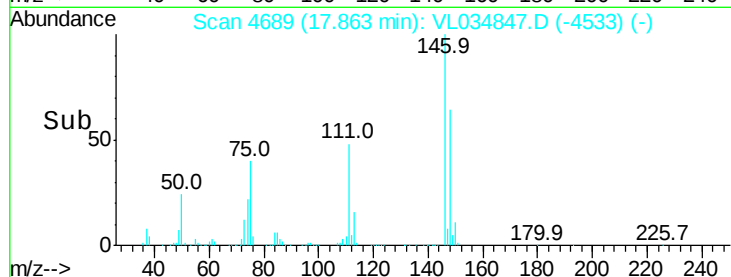
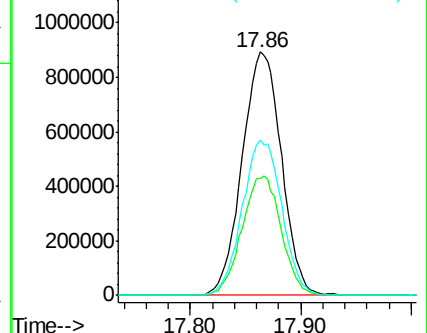
148 64.3 31.6 94.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 14.286 ppbv

RT: 23.42 min Scan# 6418

Delta R.T. 0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

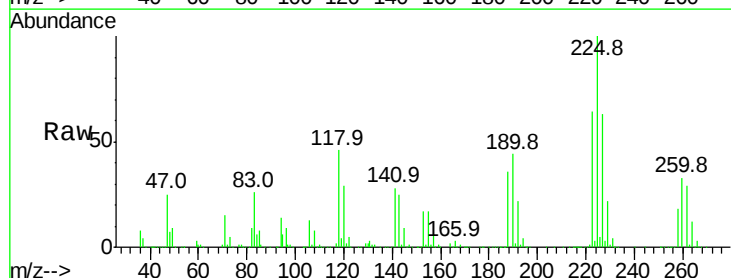
Tgt Ion:225 Resp: 1938070

Ion Ratio Lower Upper

225 100

223 63.7 51.1 76.7

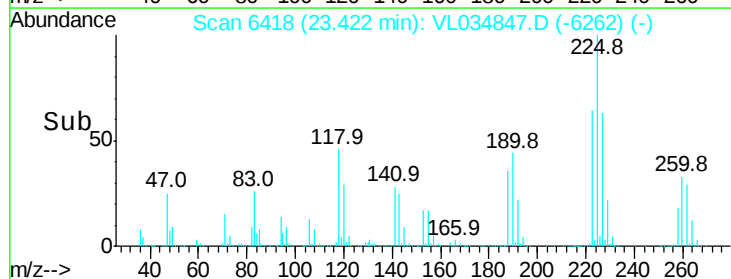
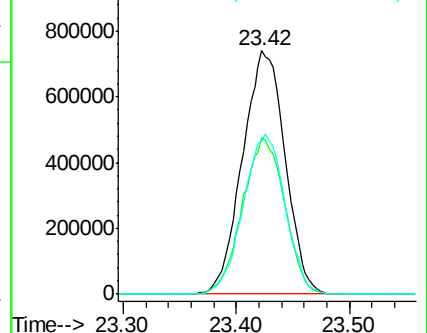
227 64.5 51.8 77.6

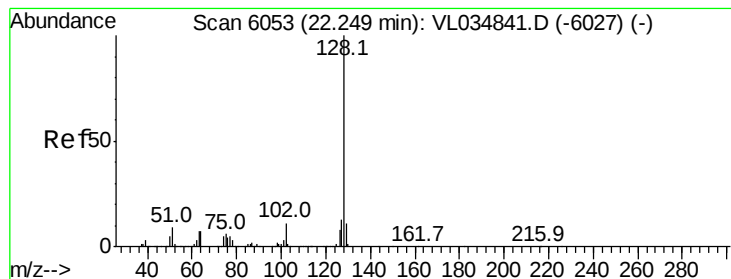


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 18.557 ppbv

RT: 22.26 min Scan# 6057

Delta R.T. 0.01 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

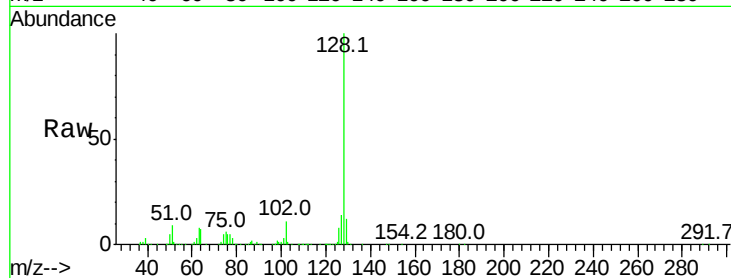
Tgt Ion:128 Resp: 4003264

Ion Ratio Lower Upper

128 100

127 14.1 10.2 15.2

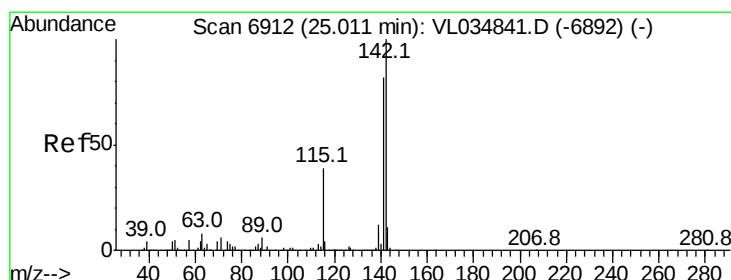
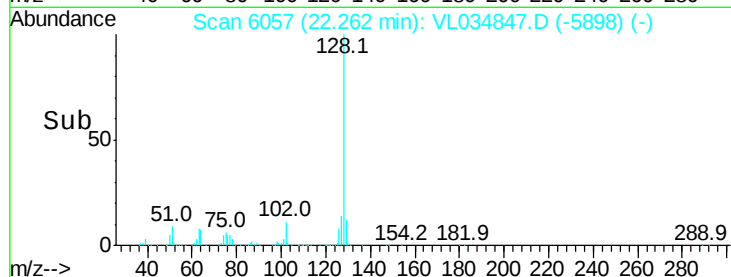
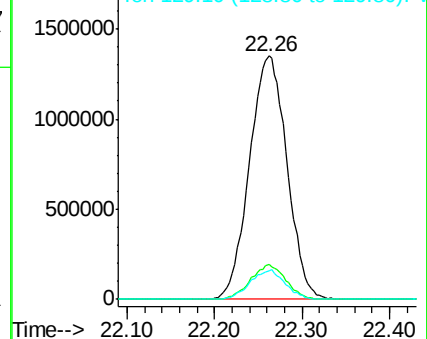
129 11.6 8.6 13.0



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: 35.401 ppbv

RT: 25.01 min Scan# 6913

Delta R.T. 0.00 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

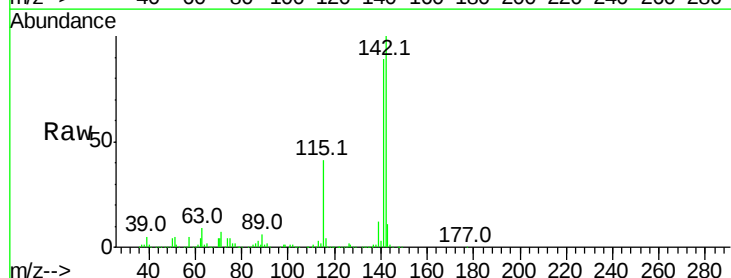
Tgt Ion:142 Resp: 1823982

Ion Ratio Lower Upper

142 100

141 85.5 68.9 103.3

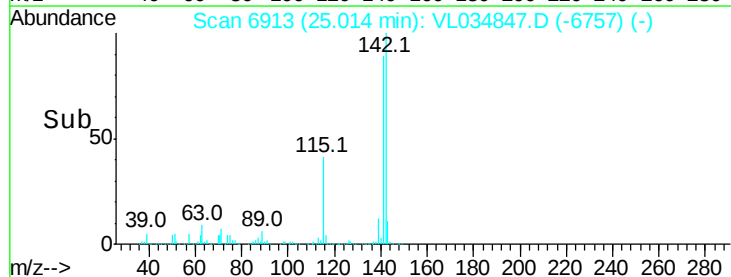
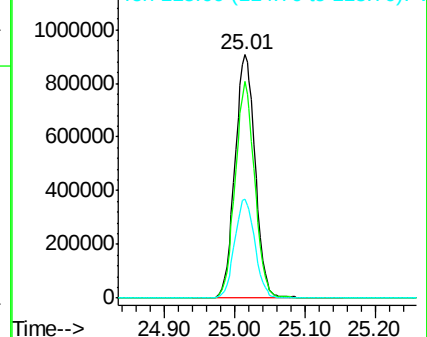
115 40.9 33.2 49.8

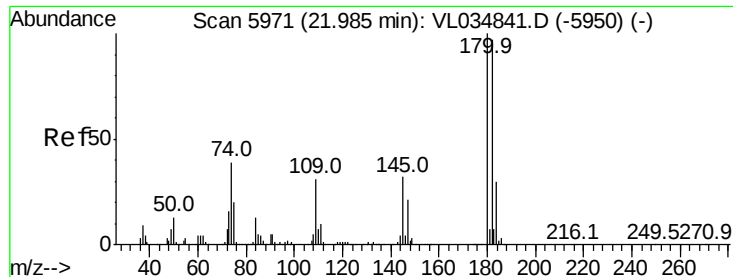


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 16.832 ppbv

RT: 21.99 min Scan# 5973

Delta R.T. 0.01 min

Lab File: VL034847.D

Acq: 9 Mar 2020 16:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

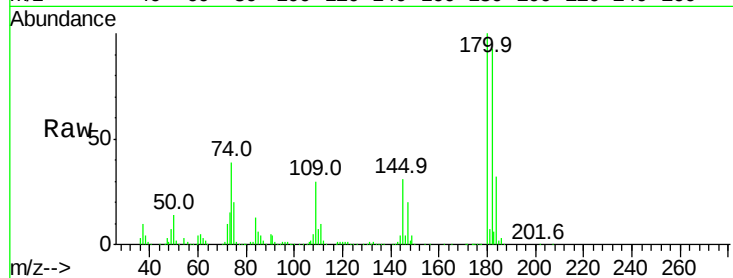
Tgt Ion:180 Resp: 2295420

Ion Ratio Lower Upper

180 100

182 95.3 76.6 115.0

184 31.1 25.0 37.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

