

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031720\
 Data File : VL034925.D
 Acq On : 17 Mar 2020 21:22
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Mar 18 07:00:43 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 16:42:53 2020

QLast Update : Mon Mar 09 16:42:53 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1044766	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2244015	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2829691	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1892000	8.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.01	85	1687045	11.792	ppbv	99
3) Chlorodifluoromethane	2.94	51	1066704	9.140	ppbv	97
4) Chloromethane	3.10	50	642934	9.747	ppbv	99
5) Vinyl Chloride	3.22	62	588033	9.273	ppbv	92
6) Bromomethane	3.44	94	353647	9.580	ppbv	95
7) Chloroethane	3.52	64	217518	9.499	ppbv	96
8) Dichlorotetrafluoroethane	3.15	85	1339042	9.012	ppbv	96
9) Propene	2.97	41	482909	8.666	ppbv	99
10) Heptane	8.13	43	1300313	9.482	ppbv	99
11) Trichlorofluoromethane	3.92	101	1398865	9.190	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	985428	9.251	ppbv	95
13) Ethanol	3.57	45	129860	7.666	ppbv	91
14) Bromoethene	3.71	108	424890	9.235	ppbv	100
15) Acetone	3.82	43	1283800	9.481	ppbv	98
16) 1,3-Butadiene	3.29	39	567363	9.265	ppbv	99
17) tert-Butyl alcohol	4.27	59	920511	7.056	ppbv	97
18) 1,1-Dichloroethene	4.26	96	454781	9.640	ppbv	98
19) Isopropyl Alcohol	3.94	45	677611	7.924	ppbv	# 42
20) Methylene Chloride	4.32	84	392305	9.163	ppbv	95
21) Allyl Chloride	4.38	41	793618	9.126	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	450802	9.419	ppbv	99
23) Vinyl Acetate	5.06	43	1830365	9.151	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1216921	9.075	ppbv	100
25) Ethyl Acetate	5.67	43	2159679	8.952	ppbv	100
26) Hexane	5.67	57	947778	9.123	ppbv	100
27) Carbon Disulfide	4.53	76	1149907	9.755	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1412385	8.171	ppbv	100
29) Chloroform	5.74	83	1464074	9.237	ppbv	96
30) Cyclohexane	7.13	84	789985	9.114	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	960481	9.041	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	1389145	8.995	ppbv	97
34) 2-Butanone	5.23	43	1437322	9.638	ppbv	100
35) Carbon Tetrachloride	7.02	117	1436868	10.295	ppbv	98
36) Benzene	6.89	78	1920295	9.600	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1150672	10.203	ppbv	99
38) Trichloroethene	7.84	130	707418	9.312	ppbv	94
39) 1,2-Dichloropropane	7.62	63	742883	9.374	ppbv	96
40) 1,4-Dioxane	7.83	88	265446	8.869	ppbv	# 93
41) Tetrahydrofuran	6.04	42	800529	9.921	ppbv	100
42) Bromodichloromethane	7.80	83	1548443	10.074	ppbv	99
43) Methyl Methacrylate	8.02	69	873314	10.364	ppbv	97

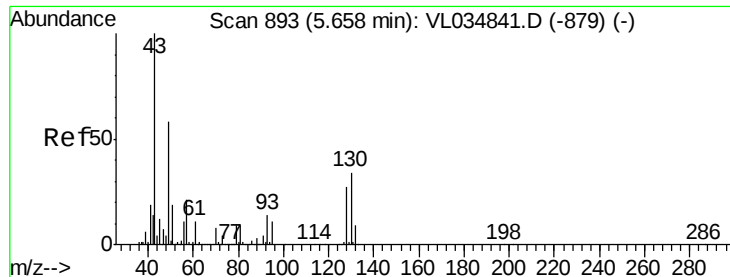
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031720\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3332949	9.861	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	985518	9.954	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1160256	9.862	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	778681	9.574	ppbv	96
48) Dibromochloromethane	10.33	129	1260995	9.574	ppbv	98
49) Bromoform	13.07	173	1066219	9.079	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2158844	10.057	ppbv	100
51) 2-Hexanone	10.15	43	1728814	9.910	ppbv #	100
52) Tetrachloroethene	11.24	164	657753	8.312	ppbv	99
53) Toluene	9.82	91	2203075	9.538	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1156952	9.450	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	374980	2.950	ppbv #	1
57) Chlorobenzene	12.17	112	1615193	7.295	ppbv	95
58) Ethyl Benzene	12.73	91	2920675	7.622	ppbv	98
59) m/p-Xylene	13.02	91	2333713	7.269	ppbv #	28
60) o-Xylene	13.72	91	2372747	7.570	ppbv	99
61) Styrene	13.55	104	1700020	7.728	ppbv	99
62) Isopropylbenzene	14.70	105	3489477	7.362	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.71	83	1649235	7.750	ppbv	99
64) n-propylbenzene	15.59	120	903447	7.324	ppbv	91
65) tert-Butylbenzene	16.78	119	2965064	7.156	ppbv	97
66) Benzyl Chloride	17.03	91	1253788	7.257	ppbv	96
67) sec-Butylbenzene	17.33	105	4312798	7.507	ppbv	98
69) p-Isopropyltoluene	17.69	119	3579880	7.431	ppbv	99
70) n-Butylbenzene	18.59	91	3831080	7.794	ppbv	99
71) 2-Chlorotoluene	15.48	91	2667608	7.432	ppbv	97
72) 4-Ethyltoluene	15.87	105	2811730	7.595	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2637772	7.612	ppbv	95
74) 1,2,4-Trimethylbenzene	16.80	105	2752212	7.709	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	1572432	7.304	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1576019	7.336	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1565692	7.503	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1373202	7.879	ppbv	99
79) Naphthalene	22.25	128	2706069	9.719	ppbv	98
80) Naphthalene,2-methyl-	25.01	142	1007803	13.851	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	780959	4.415	ppbv #	13

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

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ClientSampleId :

VSTDCCC010EC

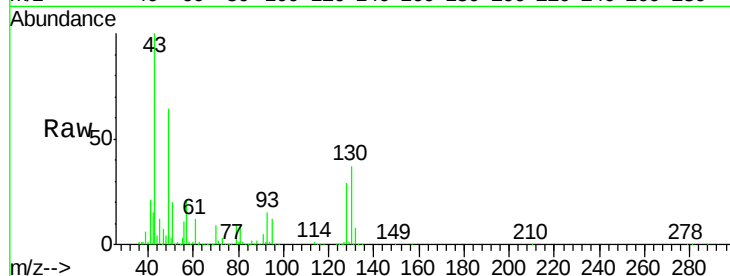
Tgt Ion: 49 Resp: 1044766

Ion Ratio Lower Upper

49 100

128 44.1 23.4 70.3

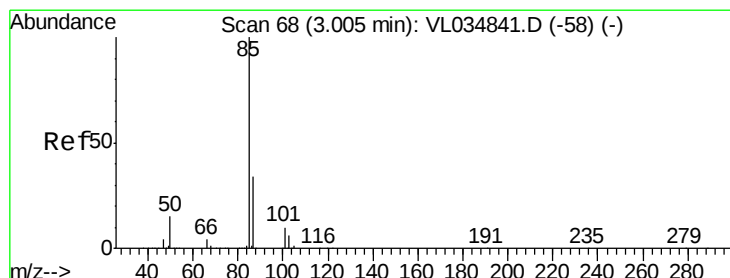
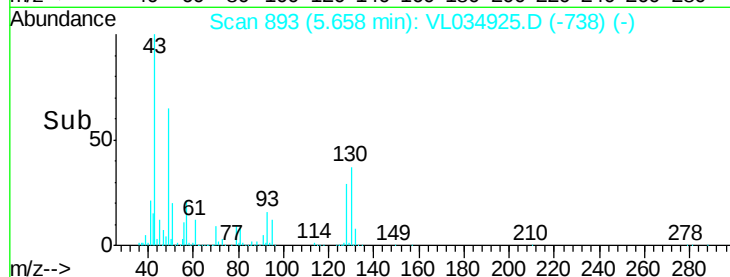
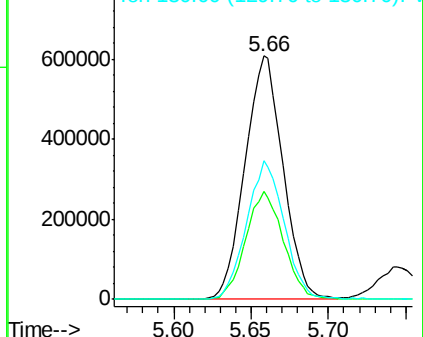
130 56.4 30.0 90.0



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: 11.792 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL034925.D

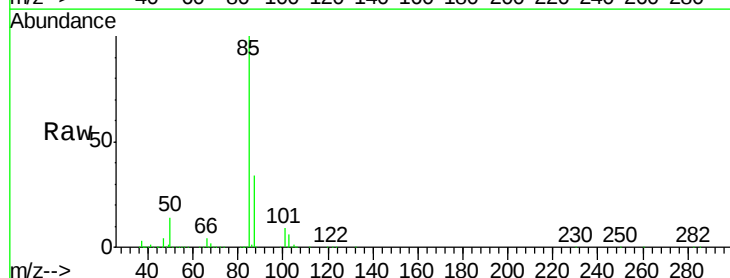
Acq: 17 Mar 2020 21:22

Tgt Ion: 85 Resp: 1687045

Ion Ratio Lower Upper

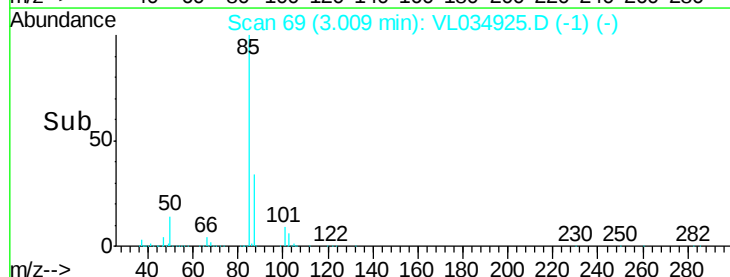
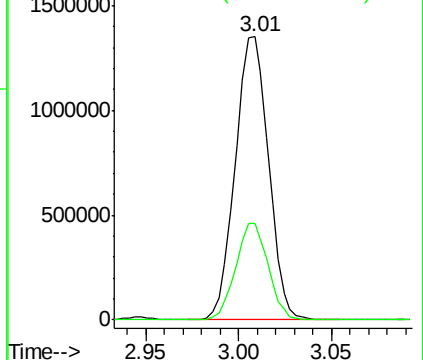
85 100

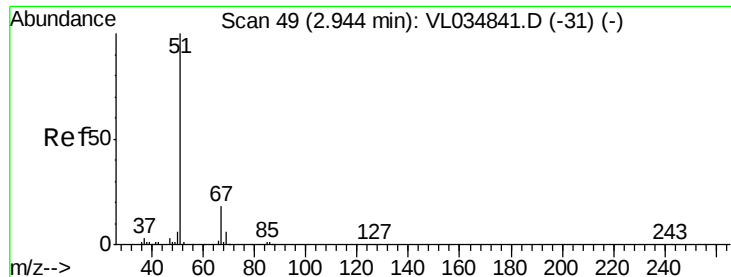
87 34.1 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

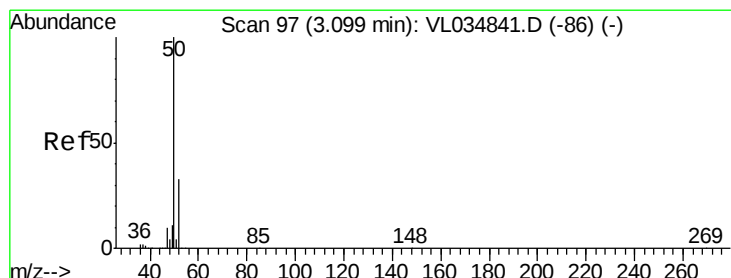
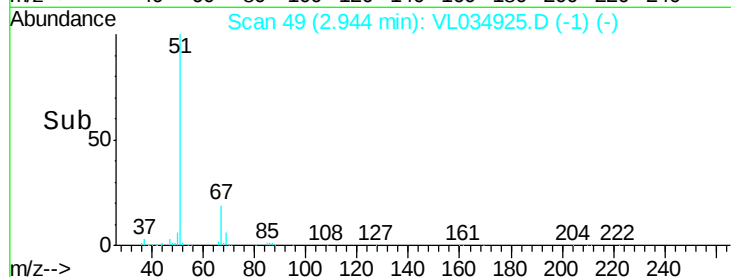
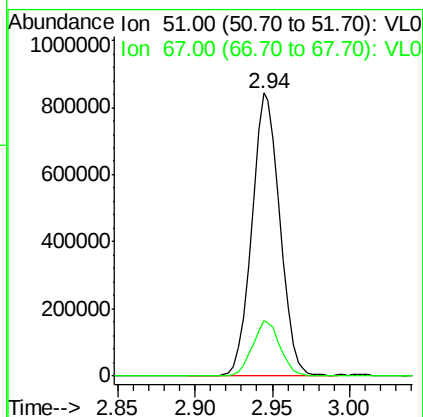
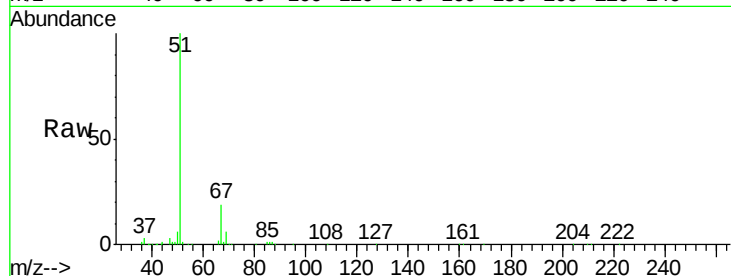




#3
Chlorodifluoromethane
Concen: 9.140 ppbv
RT: 2.94 min Scan# 49
Delta R.T. -0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

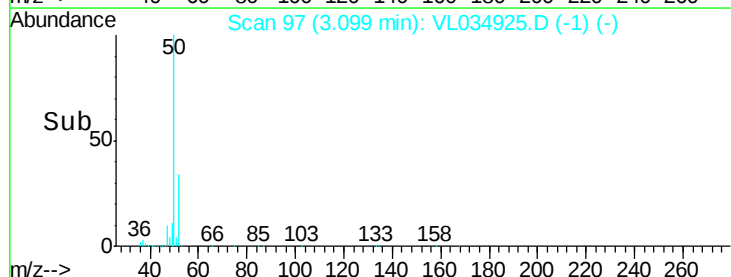
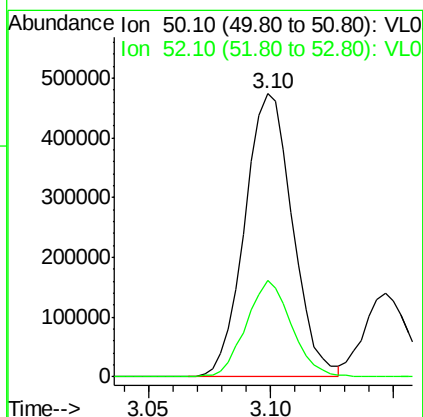
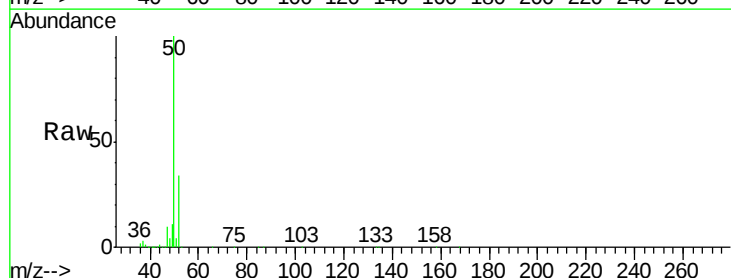
Instrument :
MSVOA_L
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VSTDCCC010EC

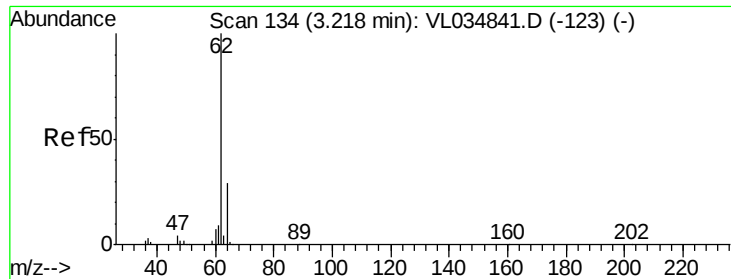
Tgt Ion: 51 Resp: 1066704
Ion Ratio Lower Upper
51 100
67 19.2 14.3 21.5



#4
Chloromethane
Concen: 9.747 ppbv
RT: 3.10 min Scan# 97
Delta R.T. -0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

Tgt Ion: 50 Resp: 642934
Ion Ratio Lower Upper
50 100
52 33.9 26.8 40.2





#5

Vinyl Chloride

Concen: 9.273 ppbv

RT: 3.22 min Scan# 134

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Instrument :

MSVOA_L

ClientSampleId :

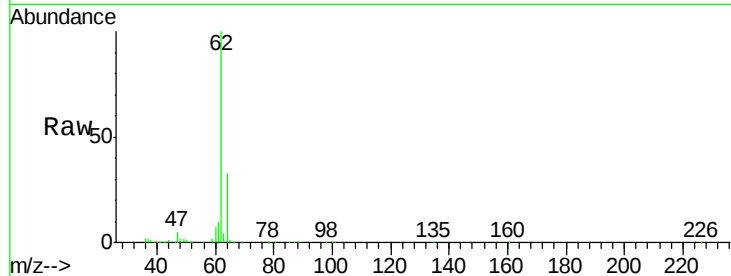
VSTDCCC010EC

Tgt Ion: 62 Resp: 588033

Ion Ratio Lower Upper

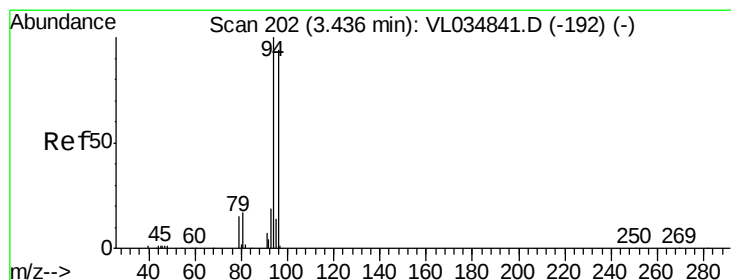
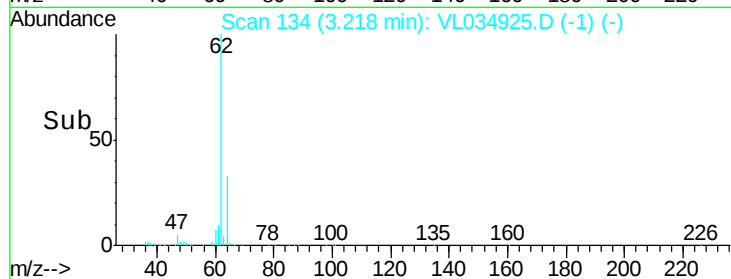
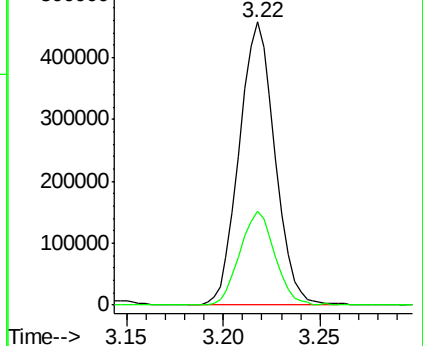
62 100

64 33.0 23.0 34.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.580 ppbv

RT: 3.44 min Scan# 202

Delta R.T. -0.00 min

Lab File: VL034925.D

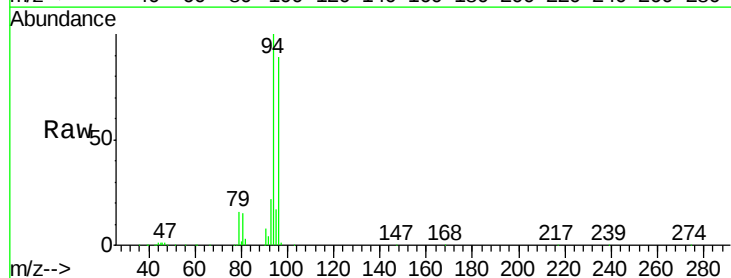
Acq: 17 Mar 2020 21:22

Tgt Ion: 94 Resp: 353647

Ion Ratio Lower Upper

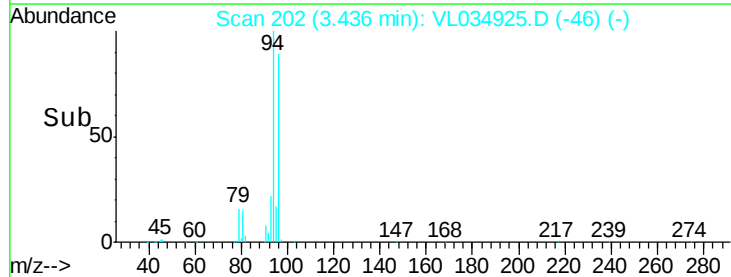
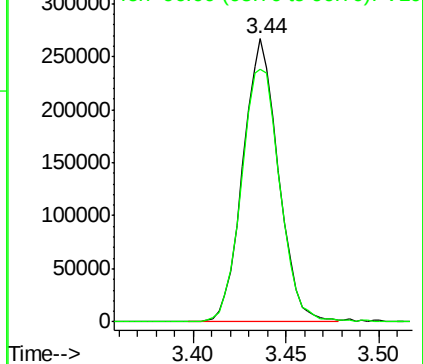
94 100

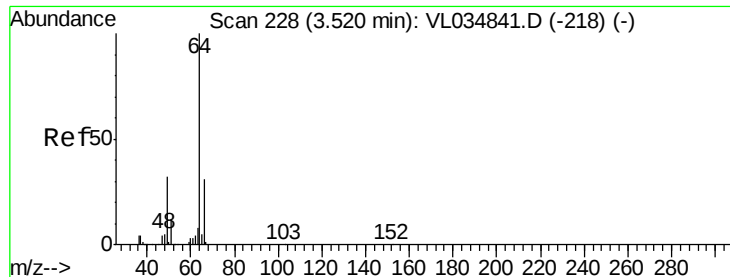
96 89.1 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.499 ppbv

RT: 3.52 min Scan# 228

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Instrument :

MSVOA_L

ClientSampleId :

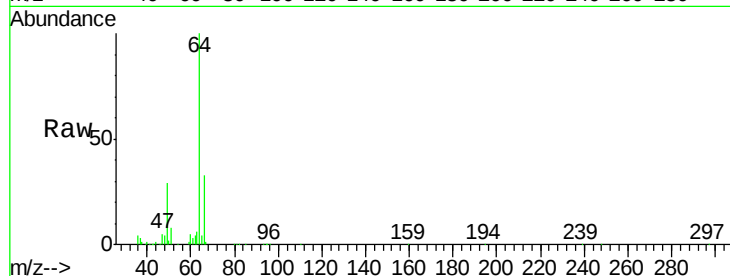
VSTDCCC010EC

Tgt Ion: 64 Resp: 217518

Ion Ratio Lower Upper

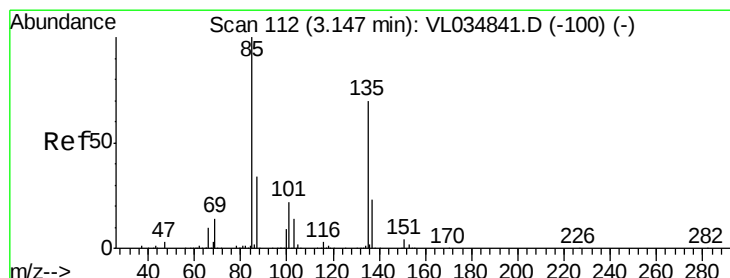
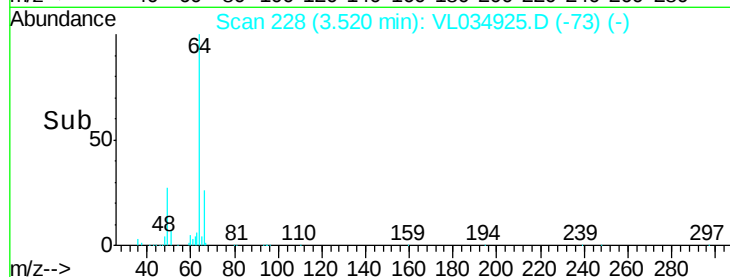
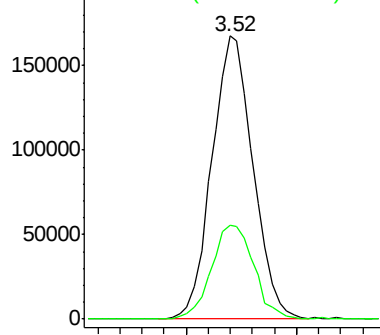
64 100

66 33.1 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: 9.012 ppbv

RT: 3.15 min Scan# 112

Delta R.T. -0.00 min

Lab File: VL034925.D

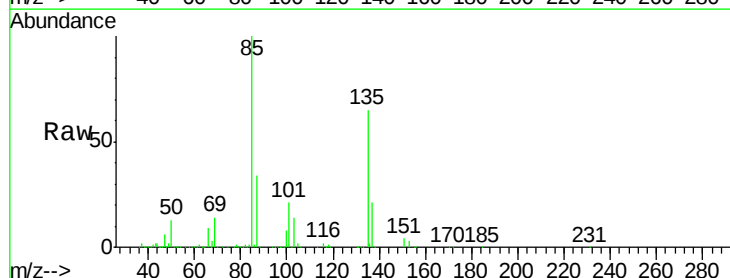
Acq: 17 Mar 2020 21:22

Tgt Ion: 85 Resp: 1339042

Ion Ratio Lower Upper

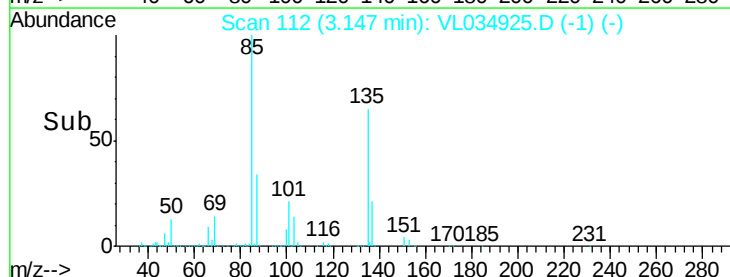
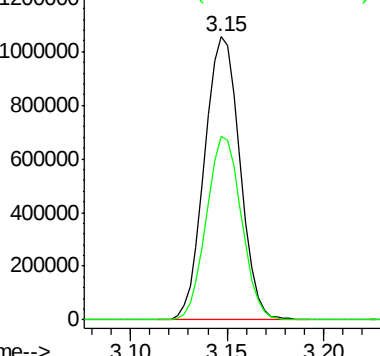
85 100

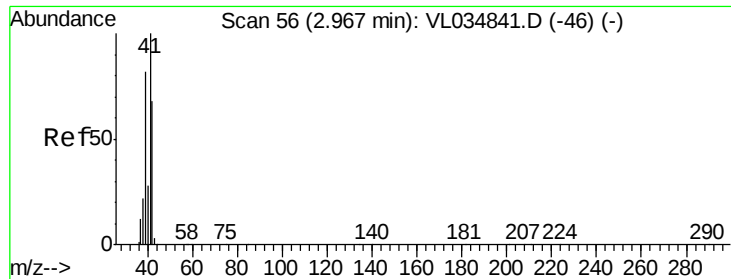
135 64.6 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.666 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

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ClientSampleId :

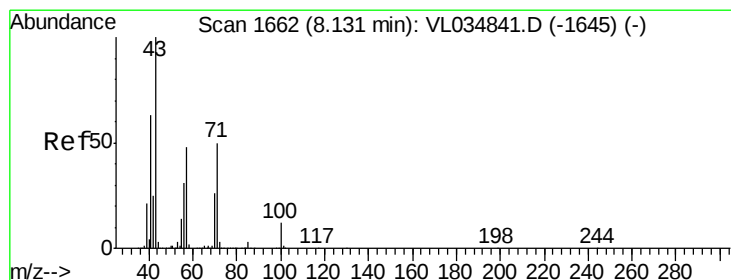
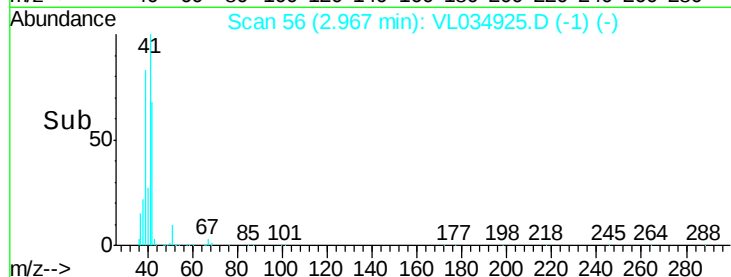
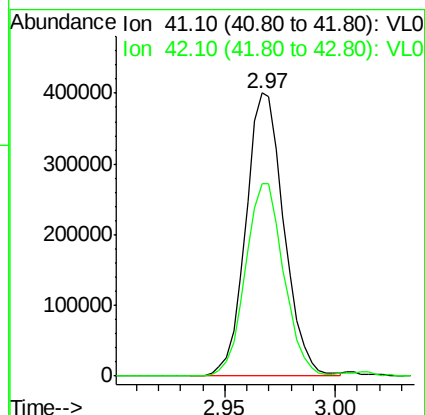
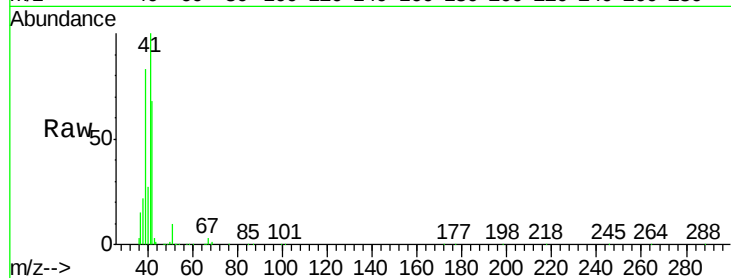
VSTDCCC010EC

Tgt Ion: 41 Resp: 482909

Ion Ratio Lower Upper

41 100

42 69.5 55.2 82.8



#10

Heptane

Concen: 9.482 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VL034925.D

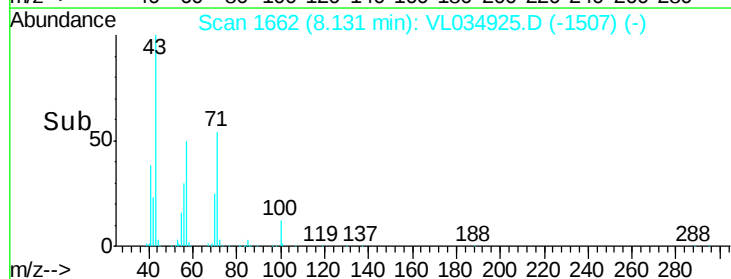
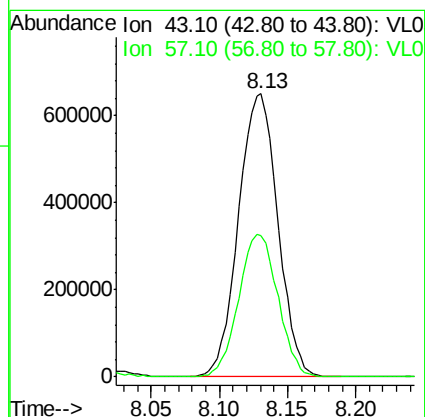
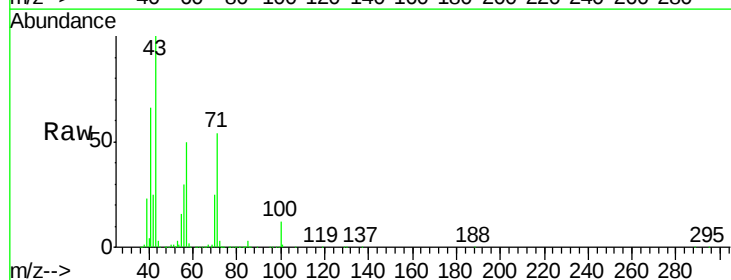
Acq: 17 Mar 2020 21:22

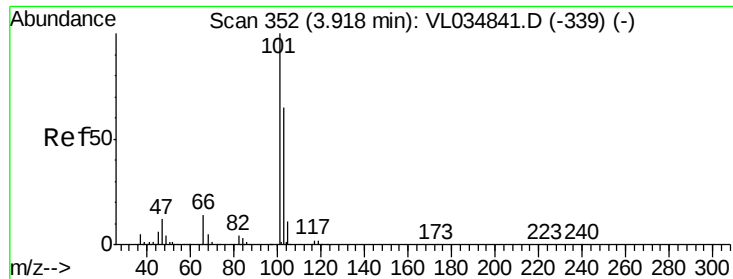
Tgt Ion: 43 Resp: 1300313

Ion Ratio Lower Upper

43 100

57 50.3 39.7 59.5

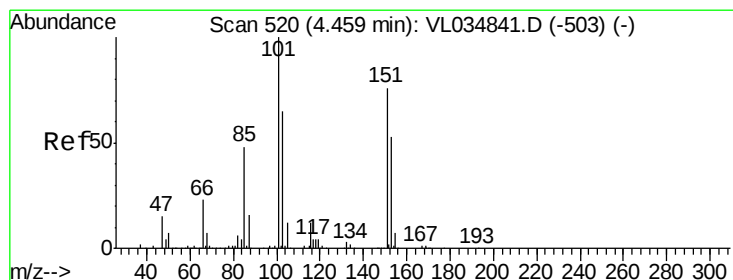
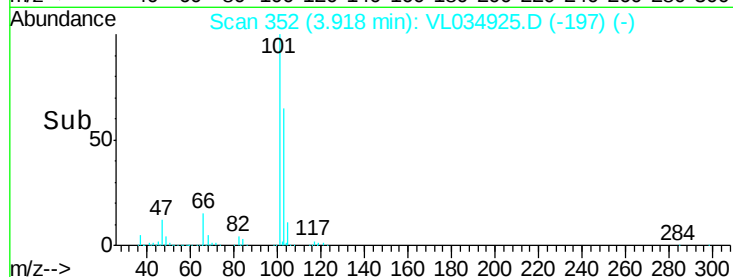
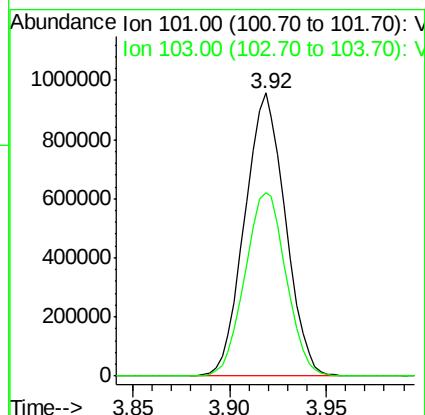
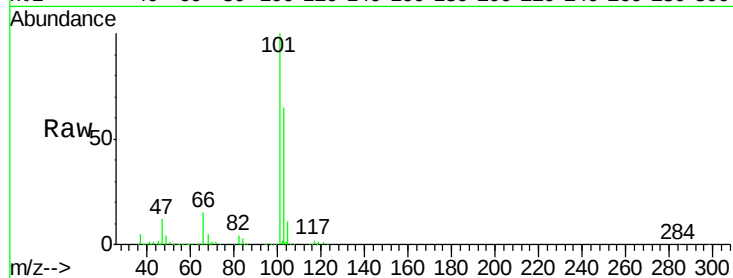




#11
 Trichlorofluoromethane
 Concen: 9.190 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. -0.00 min
 Lab File: VL034925.D
 Acq: 17 Mar 2020 21:22

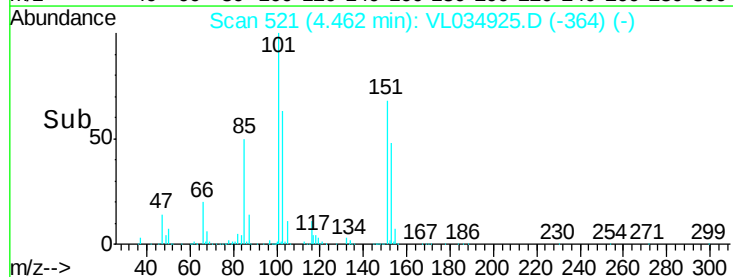
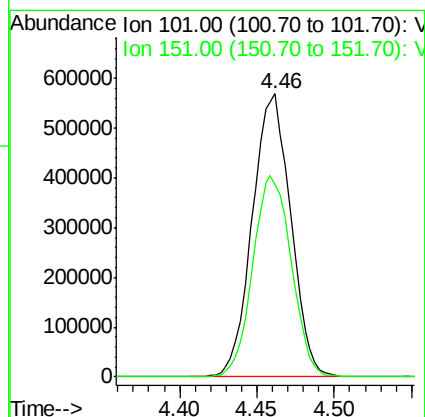
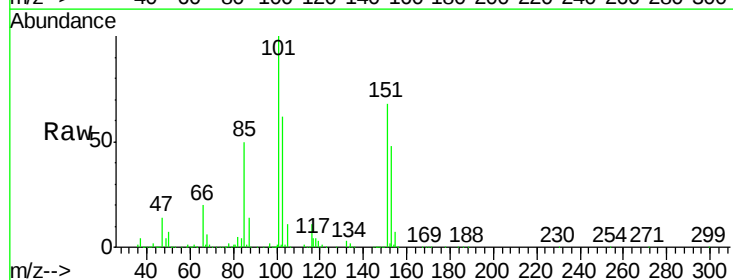
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

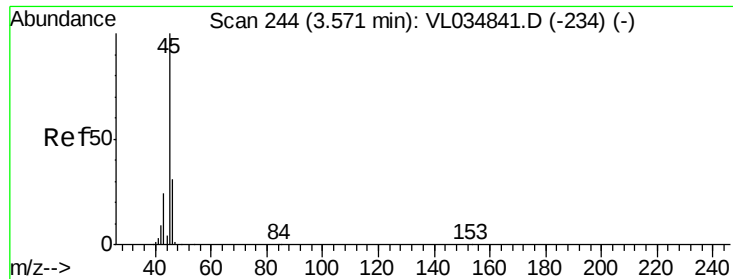
Tgt Ion:101 Resp: 1398865
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.251 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VL034925.D
 Acq: 17 Mar 2020 21:22

Tgt Ion:101 Resp: 985428
 Ion Ratio Lower Upper
 101 100
 151 71.4 60.8 91.2

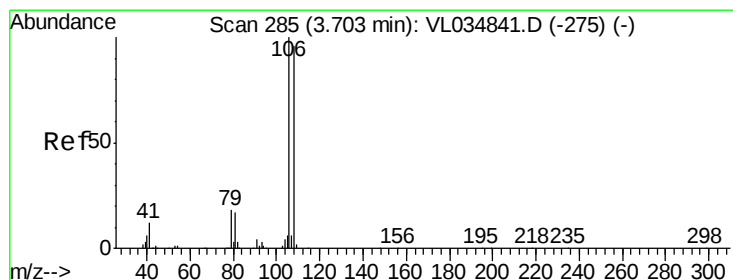
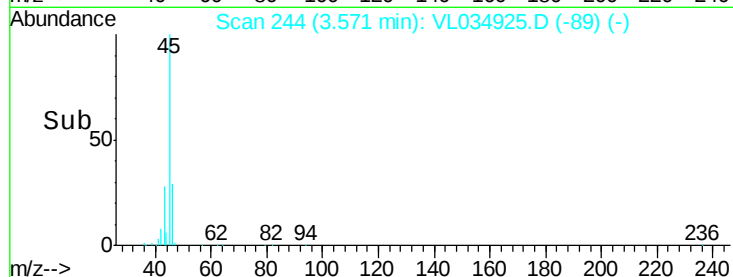
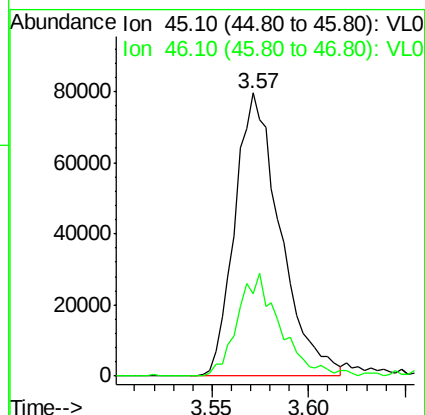
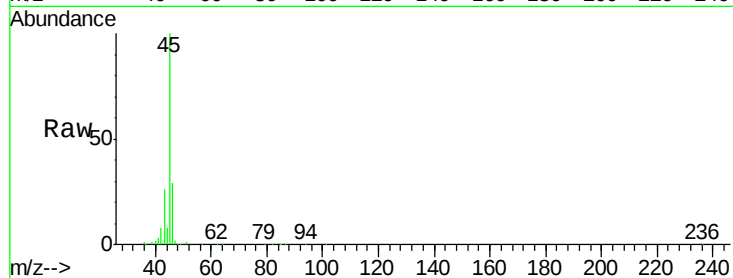




#13
Ethanol
Concen: 7.666 ppbv
RT: 3.57 min Scan# 244
Delta R.T. -0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

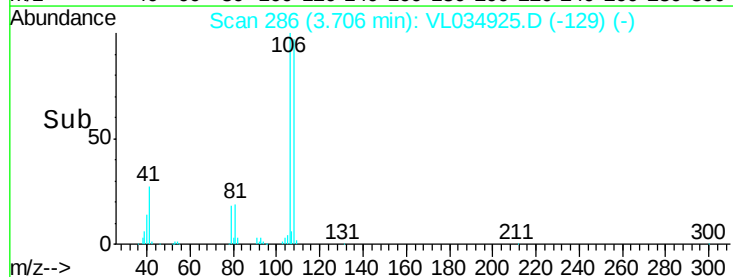
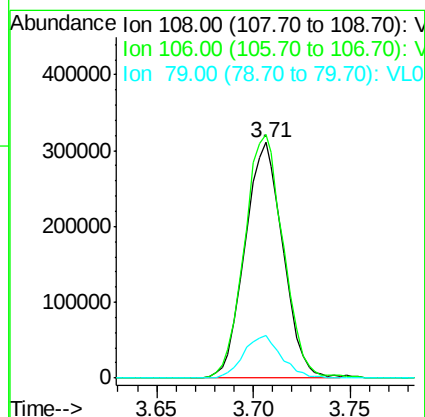
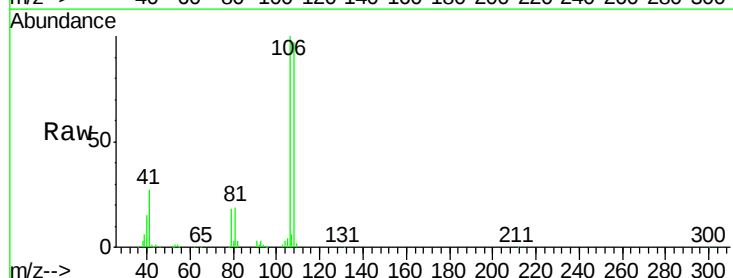
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

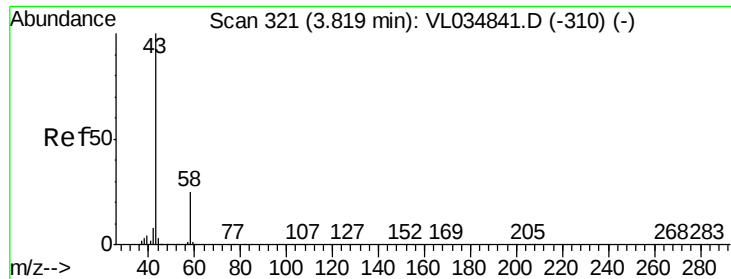
Tgt Ion: 45 Resp: 129860
Ion Ratio Lower Upper
45 100
46 34.4 16.0 64.0



#14
Bromoethene
Concen: 9.235 ppbv
RT: 3.71 min Scan# 286
Delta R.T. 0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

Tgt Ion: 108 Resp: 424890
Ion Ratio Lower Upper
108 100
106 106.3 85.1 127.7
79 18.4 14.7 22.1

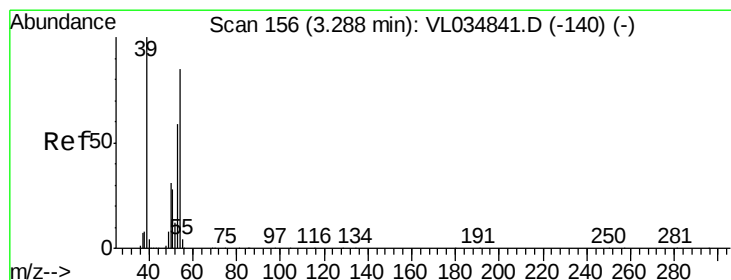
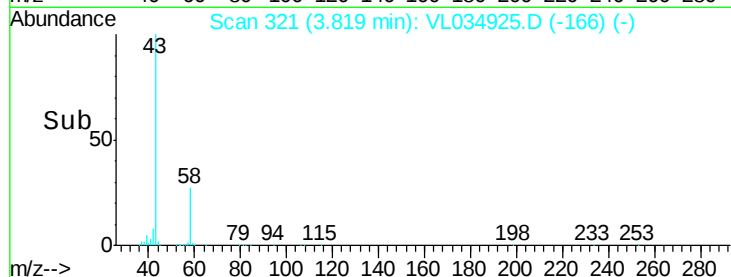
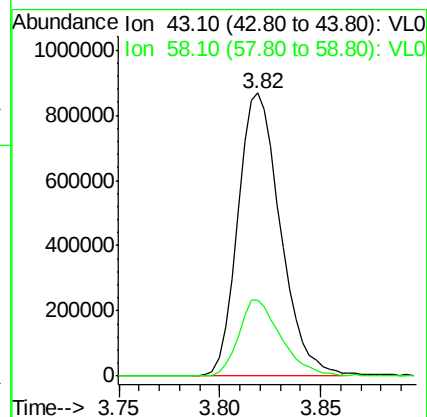
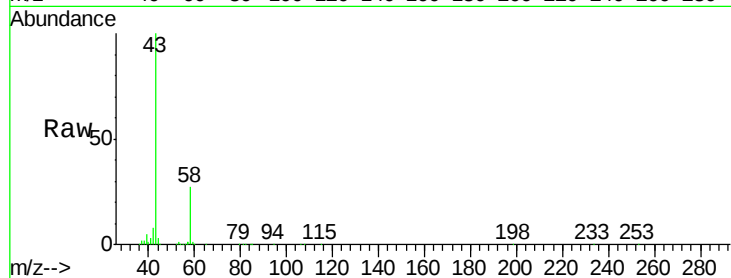




#15
Acetone
Concen: 9.481 ppbv
RT: 3.82 min Scan# 321
Delta R.T. -0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

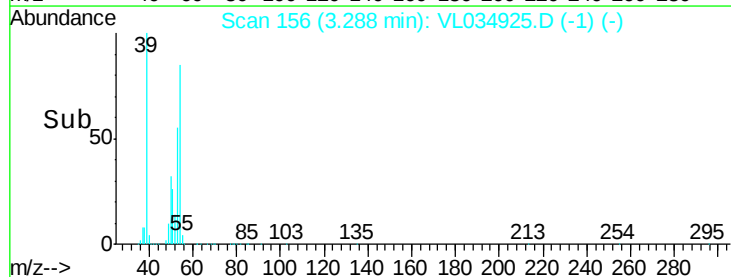
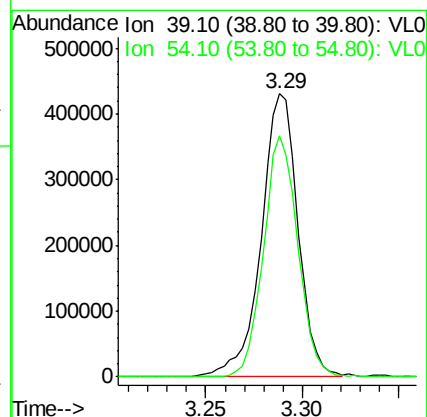
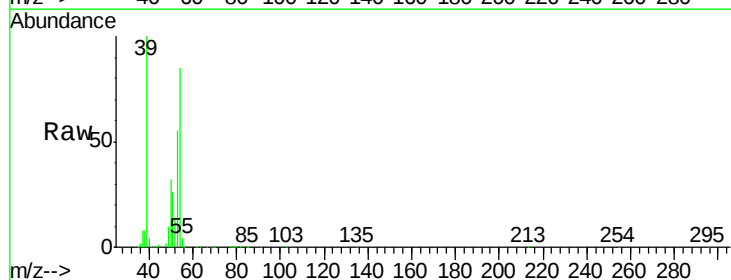
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

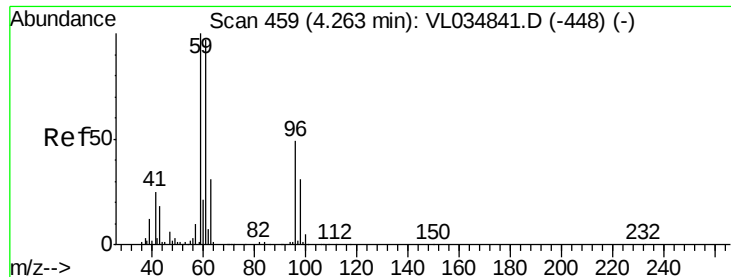
Tgt Ion: 43 Resp: 1283800
Ion Ratio Lower Upper
43 100
58 27.1 21.0 31.6



#16
1,3-Butadiene
Concen: 9.265 ppbv
RT: 3.29 min Scan# 156
Delta R.T. -0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

Tgt Ion: 39 Resp: 567363
Ion Ratio Lower Upper
39 100
54 80.2 65.0 97.6





#17

tert-Butyl alcohol

Concen: 7.056 ppbv

RT: 4.27 min Scan# 461

Delta R.T. 0.01 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Instrument :

MSVOA_L

ClientSampleId :

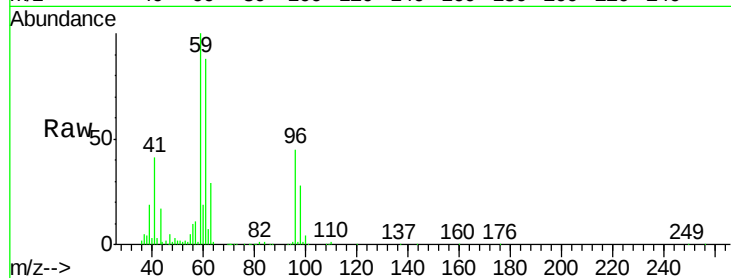
VSTDCCC010EC

Tgt Ion: 59 Resp: 920511

Ion Ratio Lower Upper

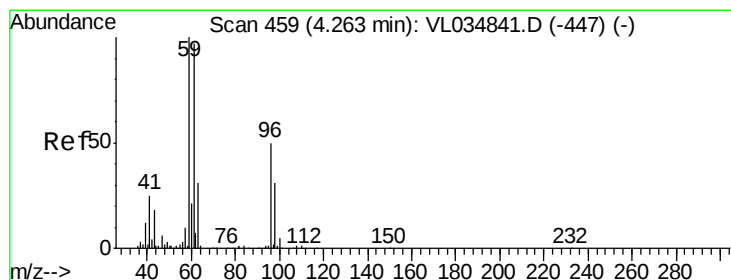
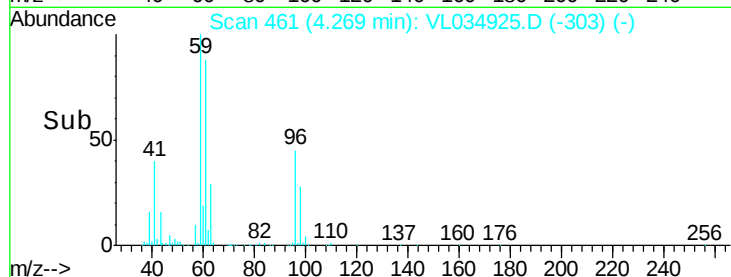
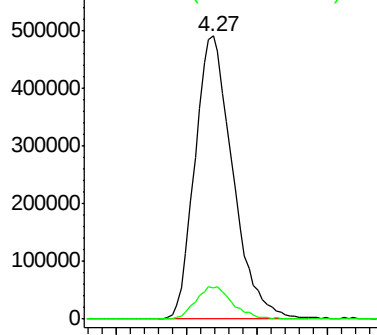
59 100

57 11.4 8.3 12.5



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.640 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

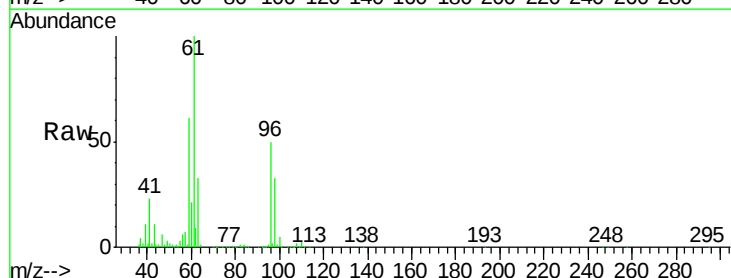
Tgt Ion: 96 Resp: 454781

Ion Ratio Lower Upper

96 100

61 198.4 157.3 235.9

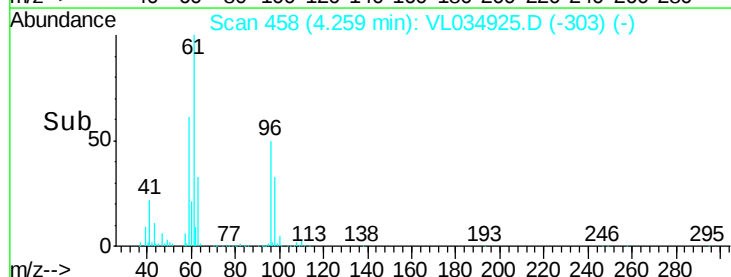
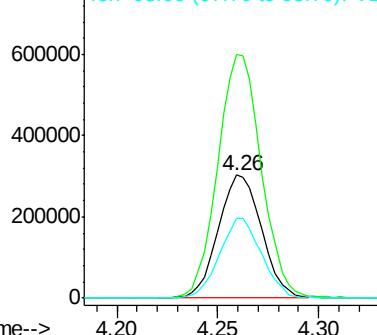
98 65.2 50.2 75.4

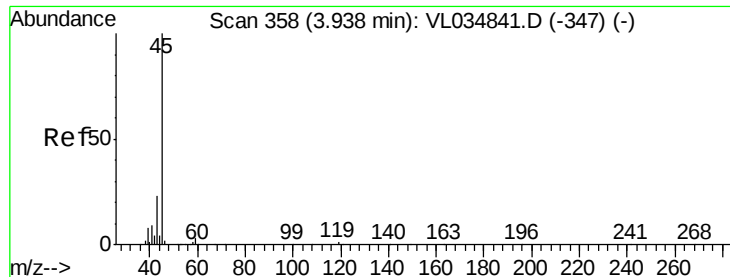


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 7.924 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Instrument :

MSVOA_L

ClientSampleId :

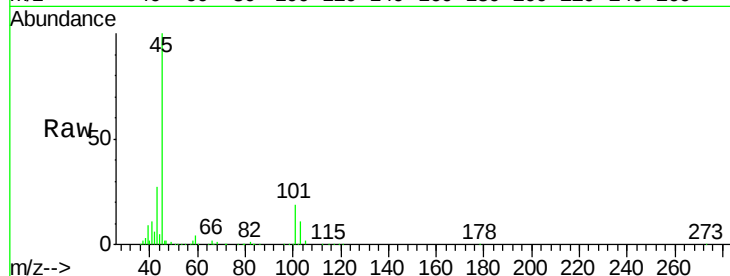
VSTDCCC010EC

Tgt Ion: 45 Resp: 677611

Ion Ratio Lower Upper

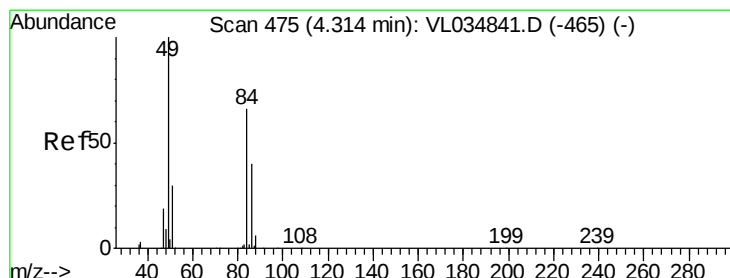
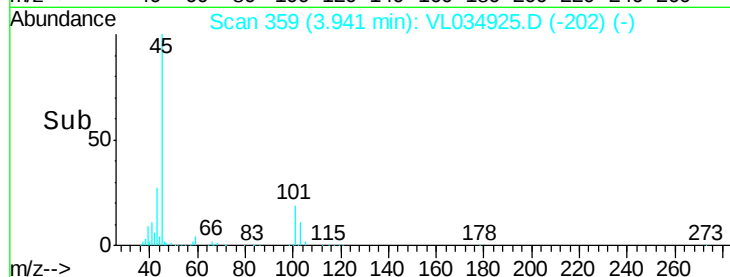
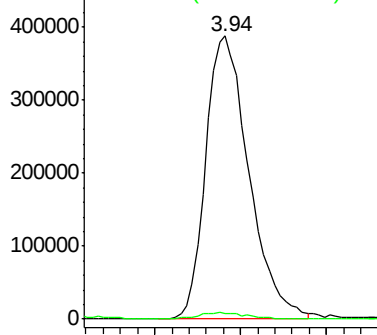
45 100

58 2.8 30.5 45.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.163 ppbv

RT: 4.32 min Scan# 477

Delta R.T. 0.01 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Tgt Ion: 84 Resp: 392305

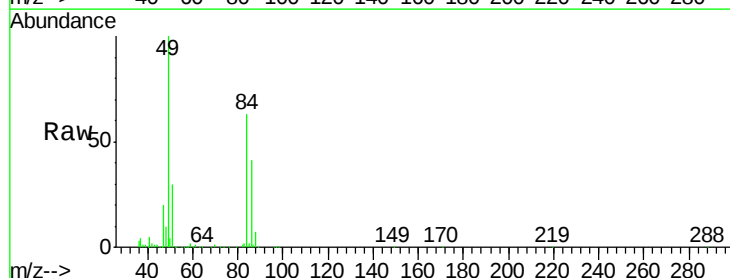
Ion Ratio Lower Upper

84 100

49 158.0 121.5 182.3

51 47.5 36.6 55.0

86 64.8 48.2 72.2

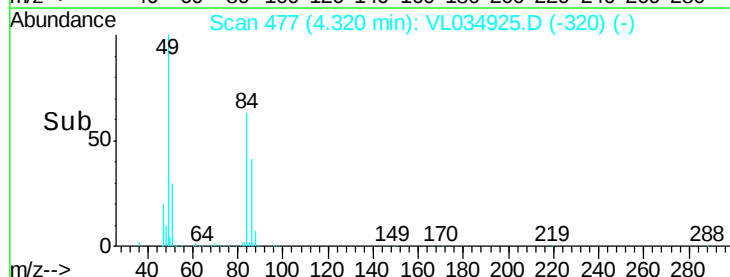
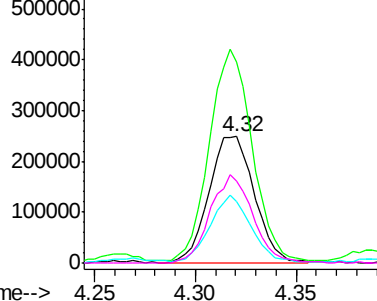


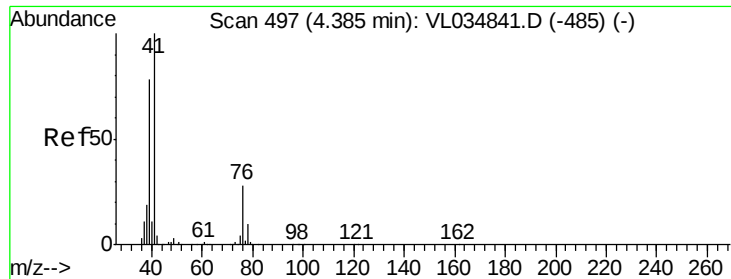
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

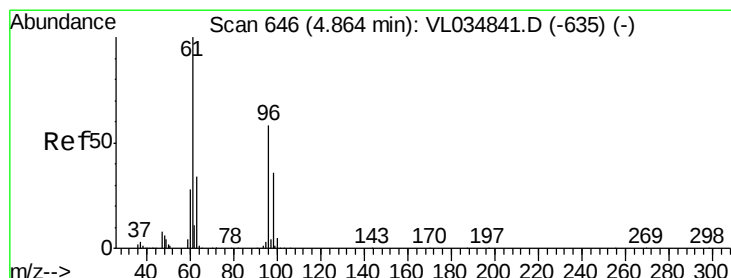
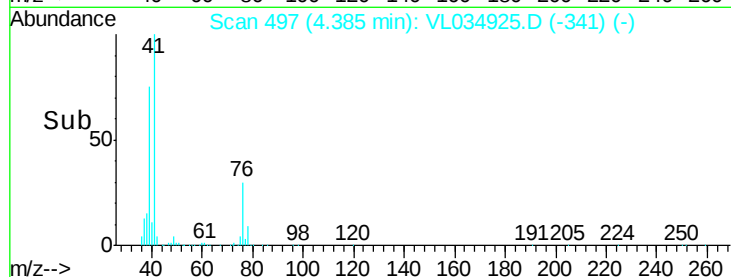
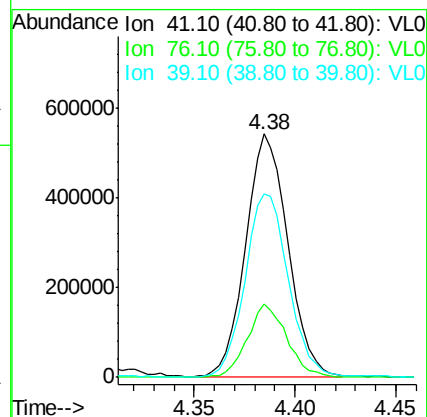
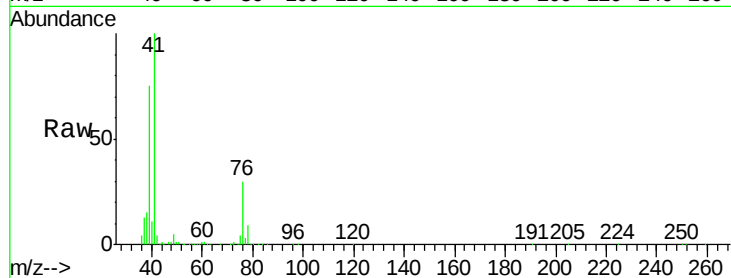




#21
 Allyl Chloride
 Concen: 9.126 ppbv
 RT: 4.38 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VL034925.D
 Acq: 17 Mar 2020 21:22

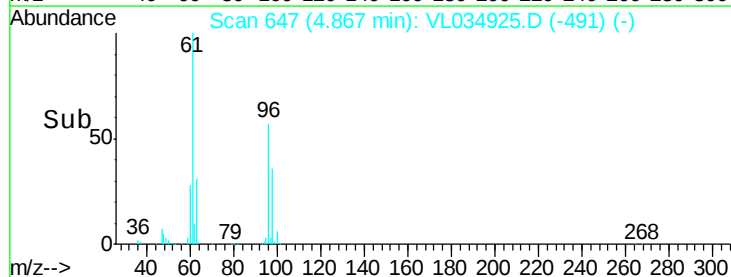
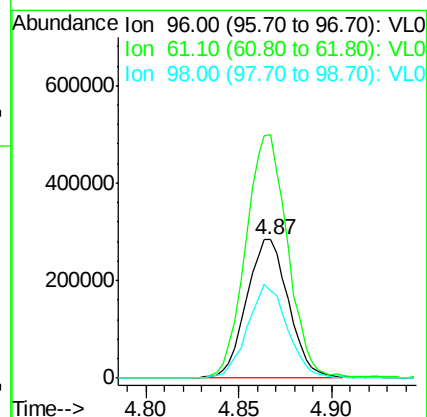
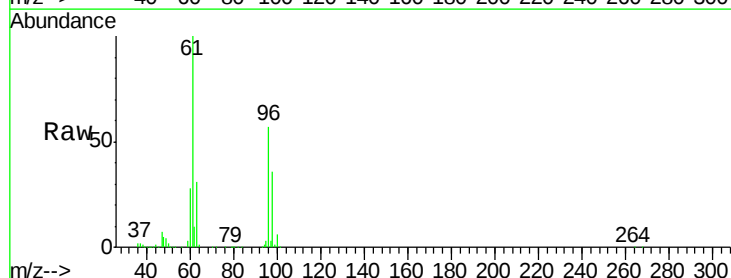
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

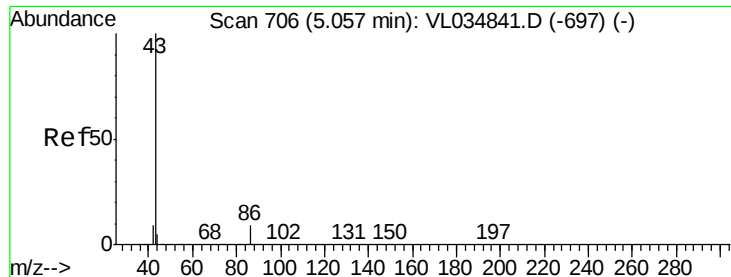
Tgt Ion: 41 Resp: 793618
 Ion Ratio Lower Upper
 41 100
 76 28.4 22.2 33.2
 39 77.9 62.6 93.8



#22
 trans-1,2-Dichloroethene
 Concen: 9.419 ppbv
 RT: 4.87 min Scan# 647
 Delta R.T. 0.00 min
 Lab File: VL034925.D
 Acq: 17 Mar 2020 21:22

Tgt Ion: 96 Resp: 450802
 Ion Ratio Lower Upper
 96 100
 61 175.7 139.0 208.6
 98 63.1 50.3 75.5





#23

Vinyl Acetate

Concen: 9.151 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1830365

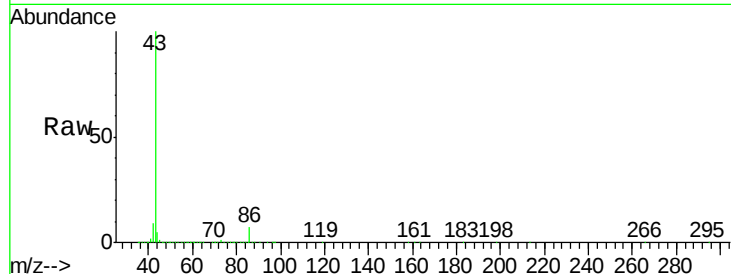
Ion Ratio Lower Upper

43 100

86 7.1 6.3 9.5

42 9.0 7.8 11.8

44 5.3 4.0 6.0

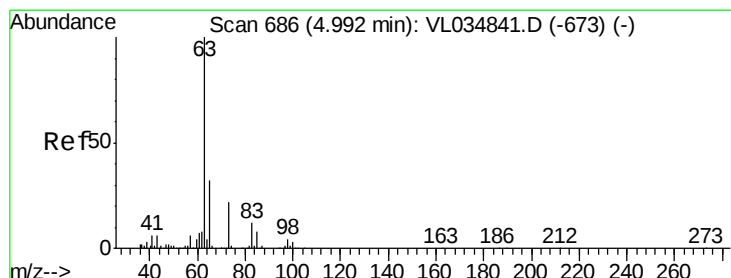
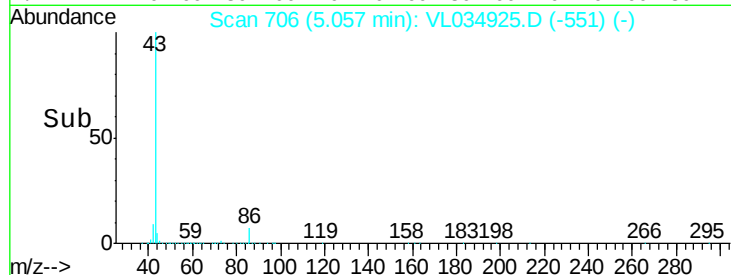
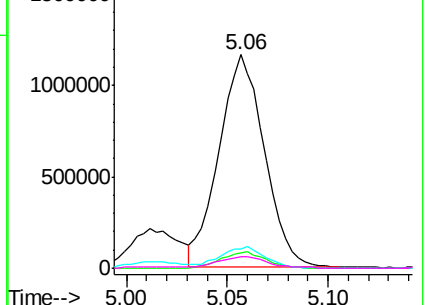


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.075 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

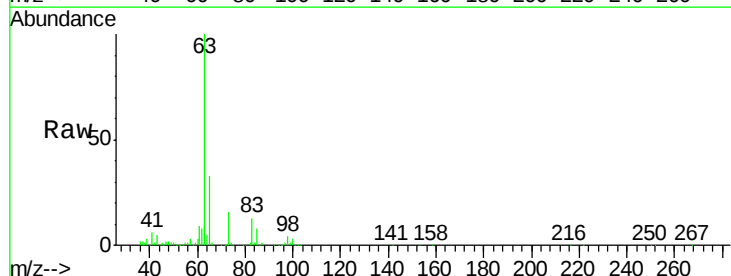
Tgt Ion: 63 Resp: 1216921

Ion Ratio Lower Upper

63 100

98 3.8 2.0 5.8

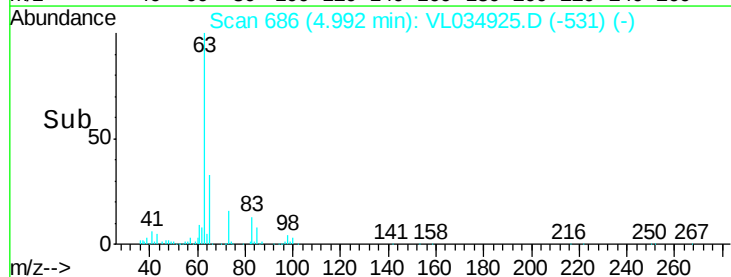
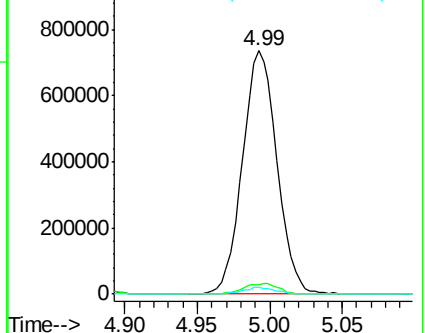
100 2.7 1.4 4.0

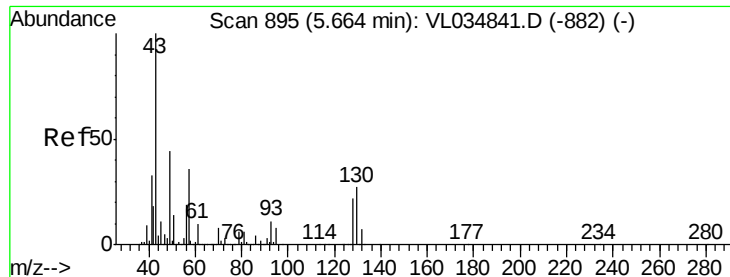


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



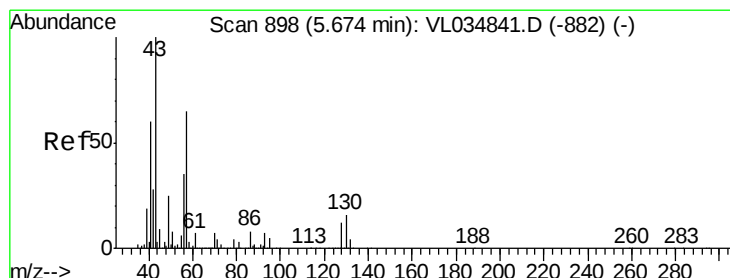
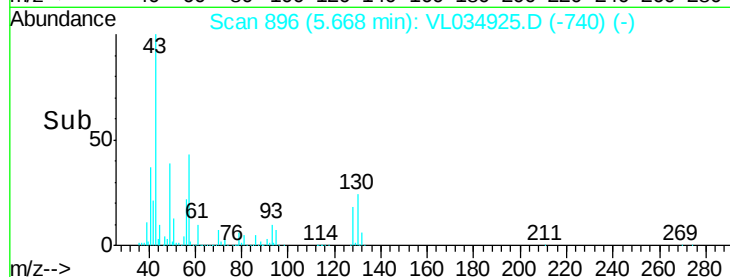
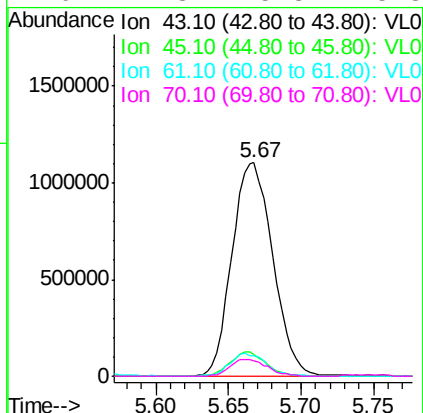
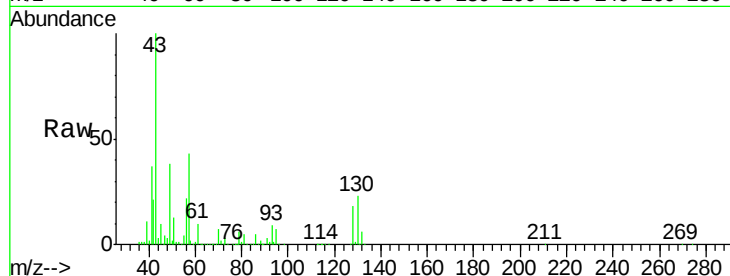


#25
Ethyl Acetate
Concen: 8.952 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2159679

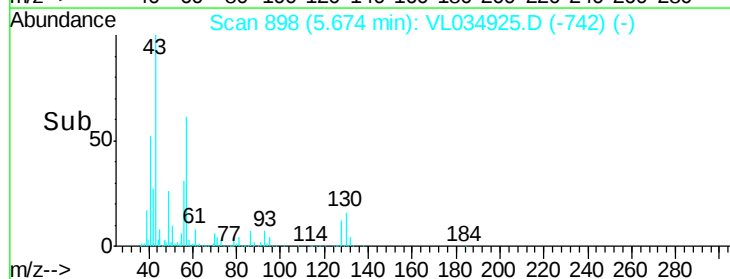
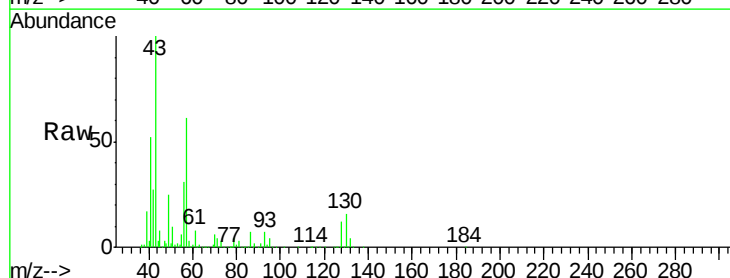
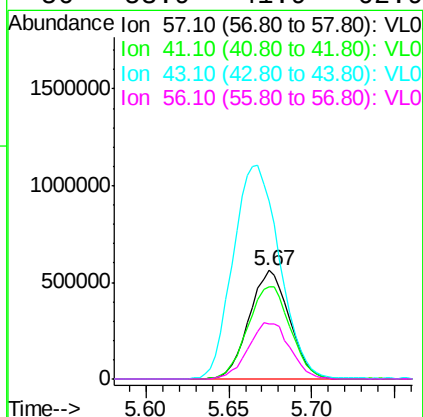
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.2
61	9.4	7.8	11.6
70	7.3	5.8	8.8

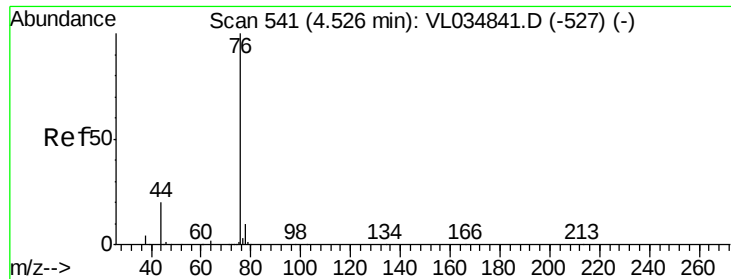


#26
Hexane
Concen: 9.123 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

Tgt Ion: 57 Resp: 947778

Ion	Ratio	Lower	Upper
57	100		
41	90.5	72.6	109.0
43	229.6	183.8	275.6
56	53.9	41.9	62.9





#27

Carbon Disulfide

Concen: 9.755 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

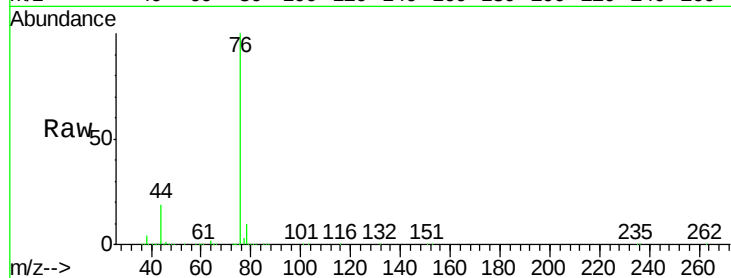
Tgt Ion: 76 Resp: 1149907

Ion Ratio Lower Upper

76 100

44 20.8 16.2 24.2

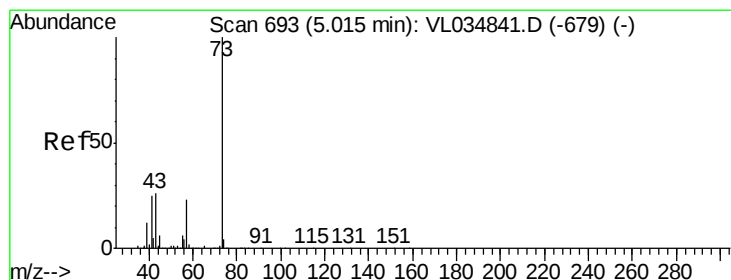
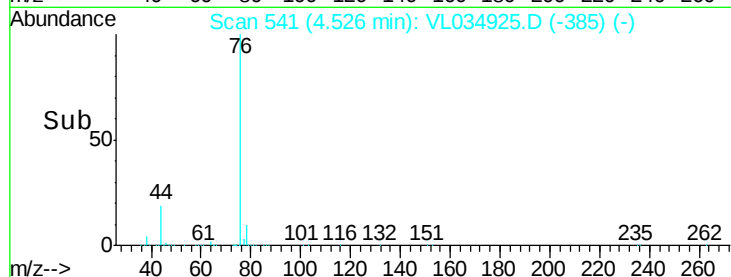
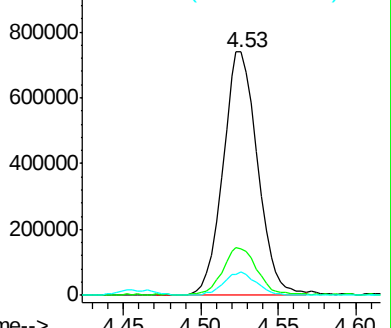
78 8.9 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.171 ppbv

RT: 5.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL034925.D

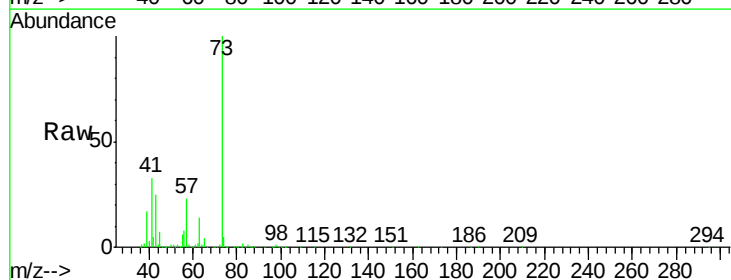
Acq: 17 Mar 2020 21:22

Tgt Ion: 73 Resp: 1412385

Ion Ratio Lower Upper

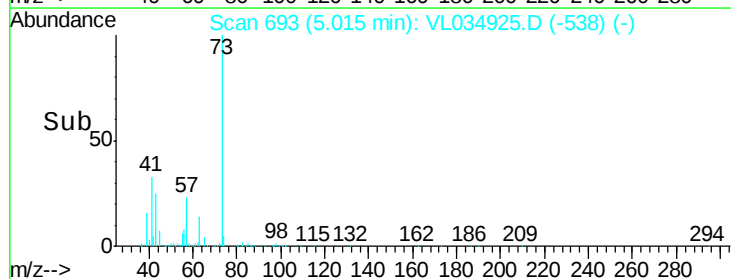
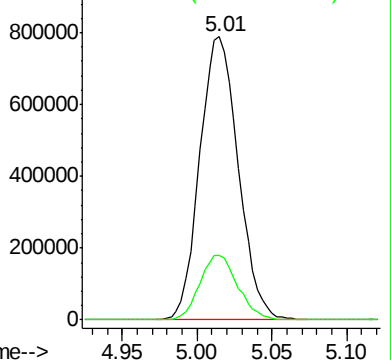
73 100

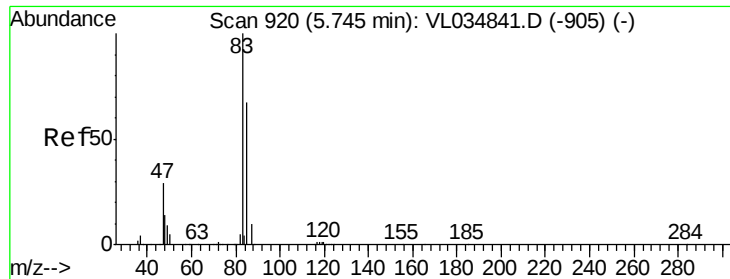
57 22.9 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.237 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Instrument :

MSVOA_L

ClientSampleId :

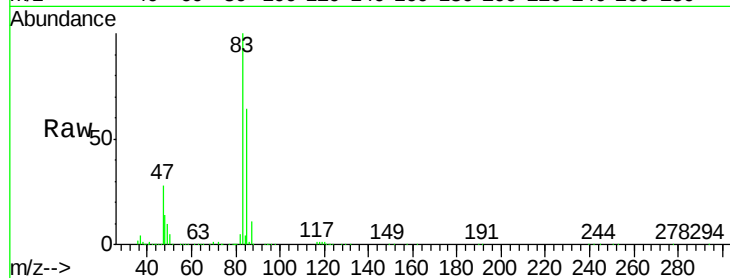
VSTDCCC010EC

Tgt Ion: 83 Resp: 1464074

Ion Ratio Lower Upper

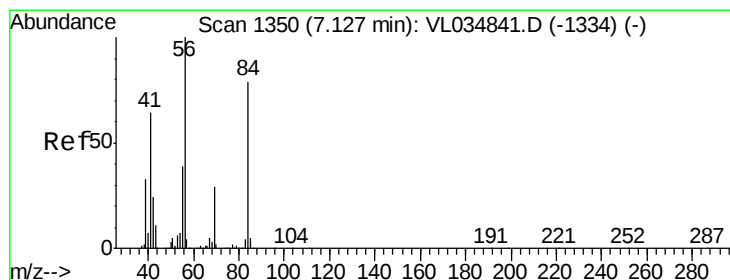
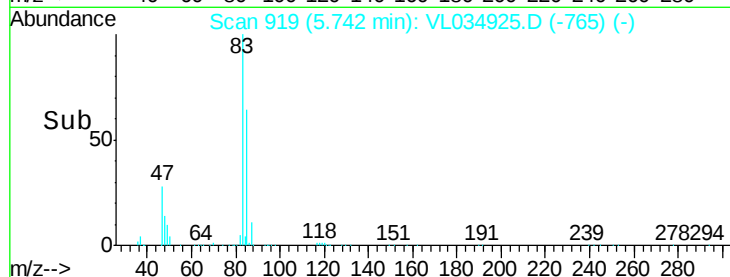
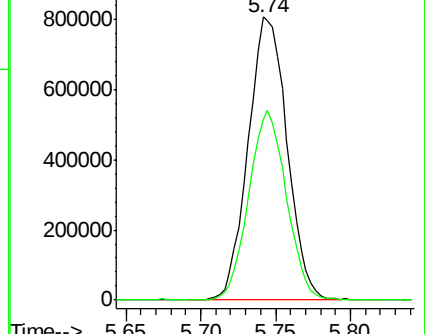
83 100

85 63.8 53.8 80.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 9.114 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

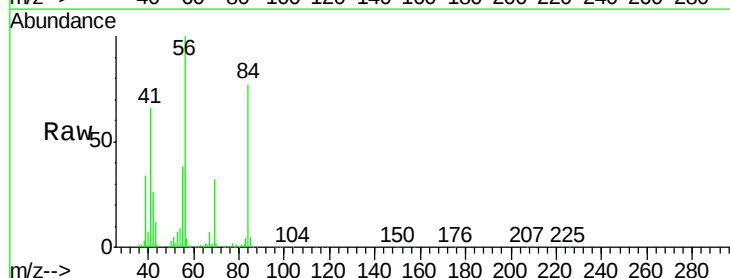
Tgt Ion: 84 Resp: 789985

Ion Ratio Lower Upper

84 100

56 139.5 110.5 165.7

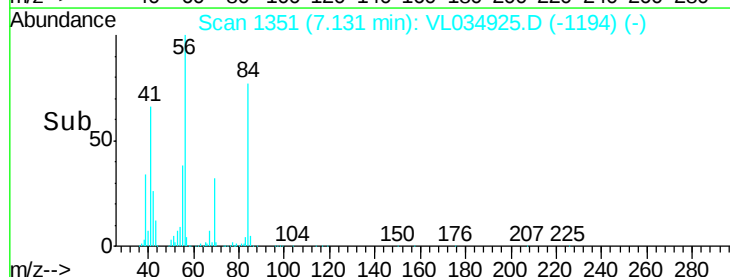
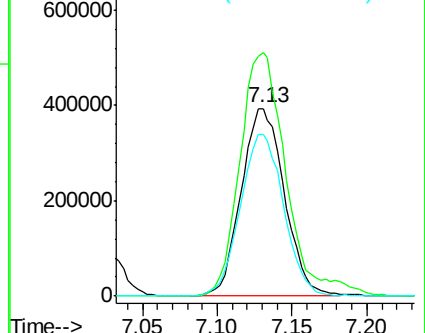
41 87.0 68.2 102.4

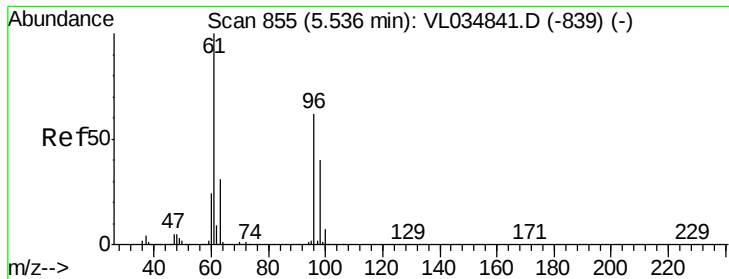


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



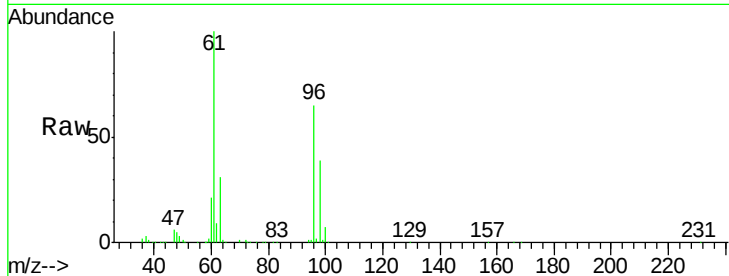


#31

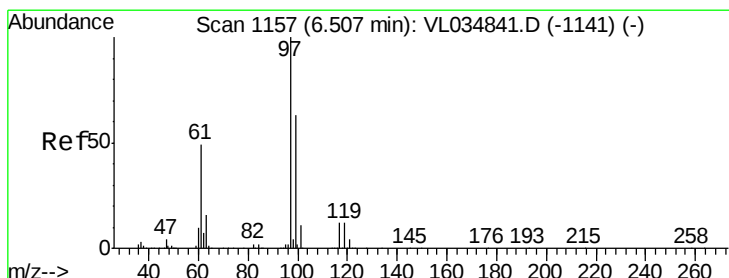
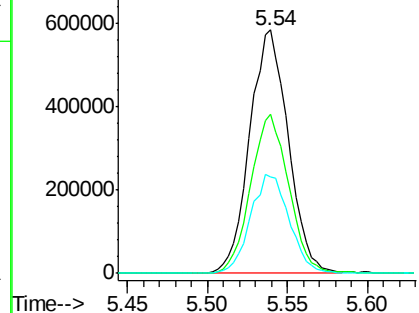
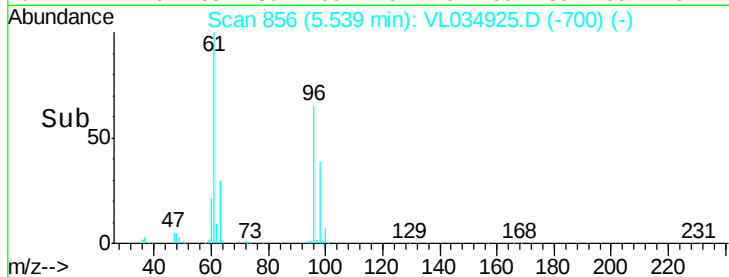
cis-1,2-Dichloroethene
 Concen: 9.041 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VL034925.D
 Acq: 17 Mar 2020 21:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
61	100		
96	65.3	49.8	74.8
98	39.4	32.2	48.4



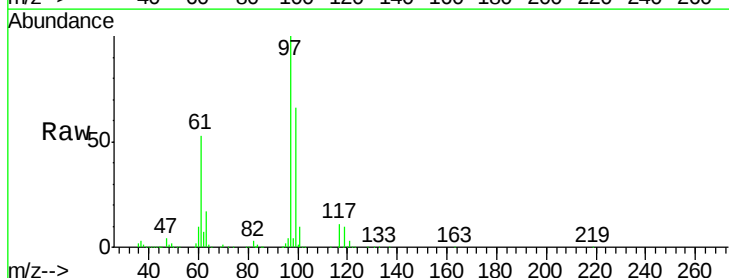
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



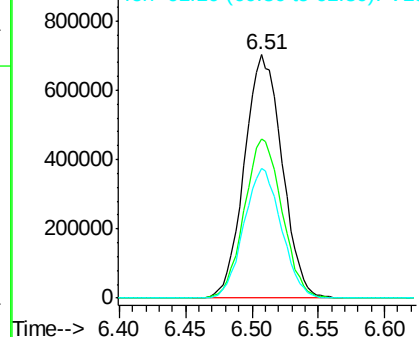
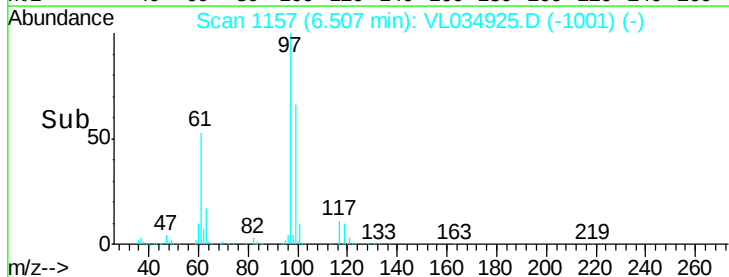
#32

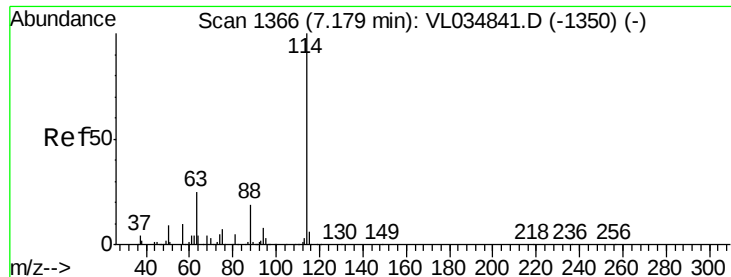
1,1,1-Trichloroethane
 Concen: 8.995 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. -0.00 min
 Lab File: VL034925.D
 Acq: 17 Mar 2020 21:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.1	76.7
61	52.7	39.7	59.5



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

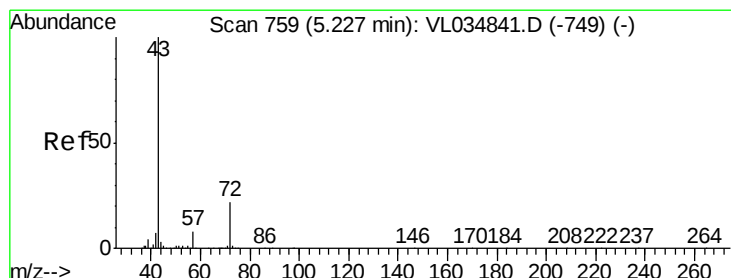
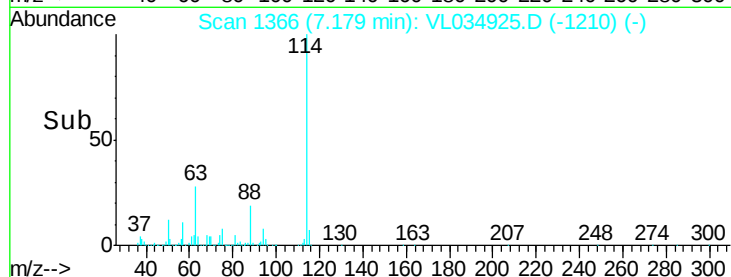
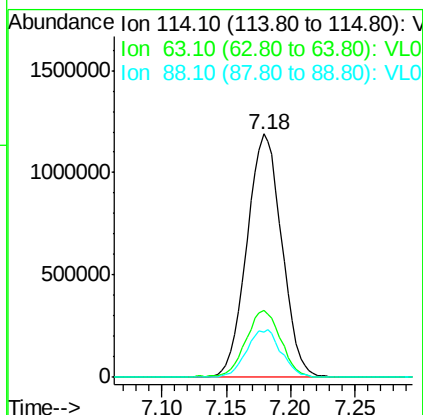
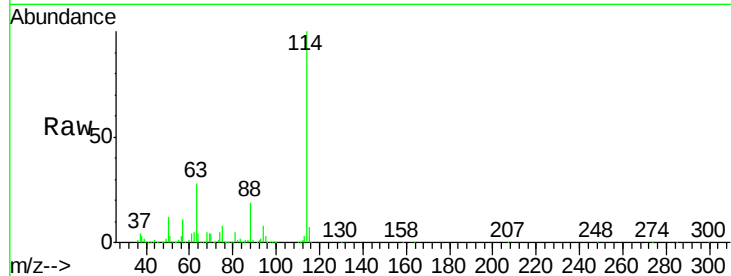




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.00 min
 Lab File: VL034925.D
 Acq: 17 Mar 2020 21:22

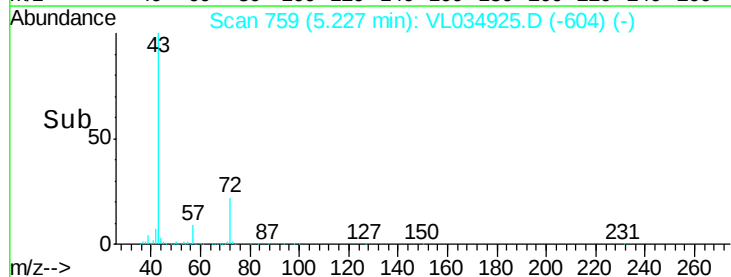
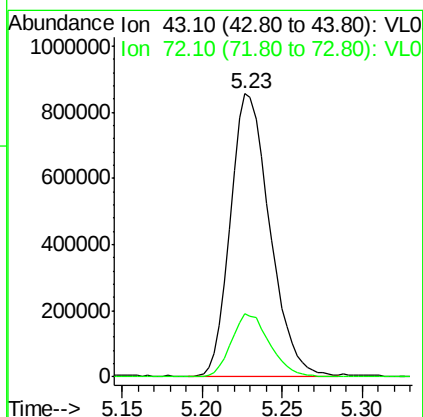
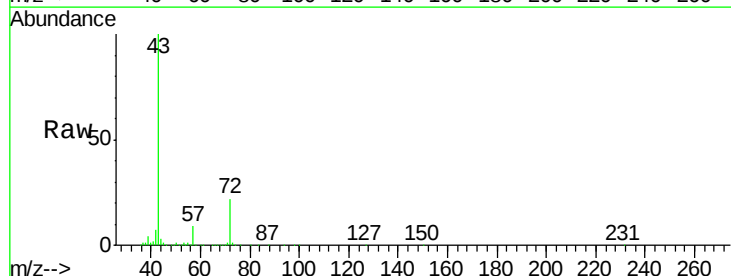
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

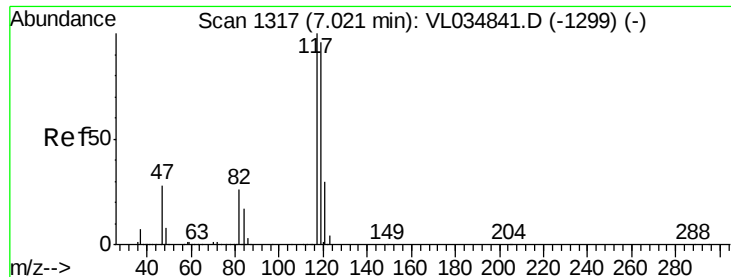
Tgt Ion:114 Resp: 2244015
 Ion Ratio Lower Upper
 114 100
 63 28.1 20.6 31.0
 88 19.6 15.0 22.6



#34
 2-Butanone
 Concen: 9.638 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VL034925.D
 Acq: 17 Mar 2020 21:22

Tgt Ion: 43 Resp: 1437322
 Ion Ratio Lower Upper
 43 100
 72 21.8 17.6 26.4

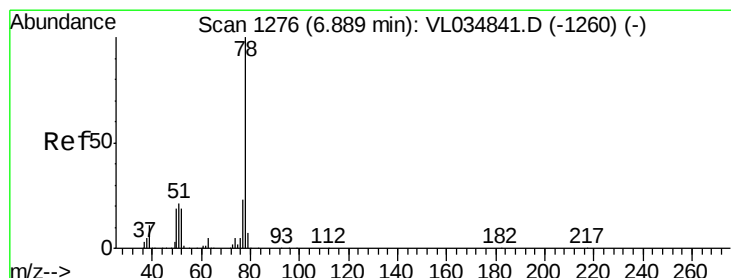
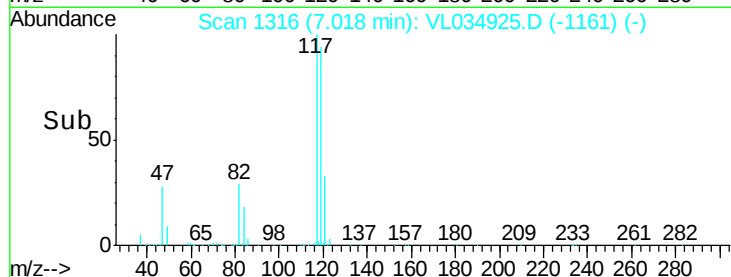
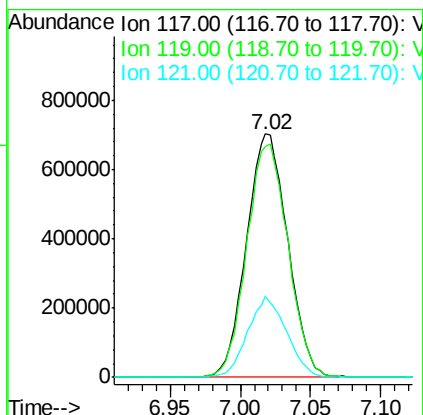
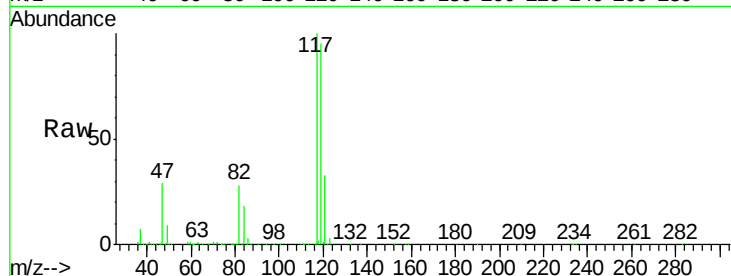




#35
Carbon Tetrachloride
Concen: 10.295 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

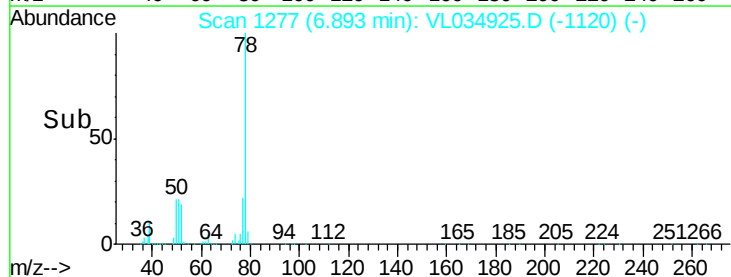
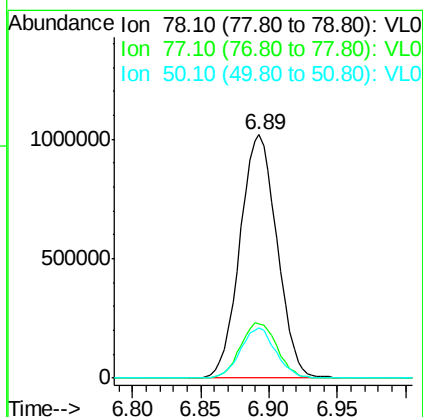
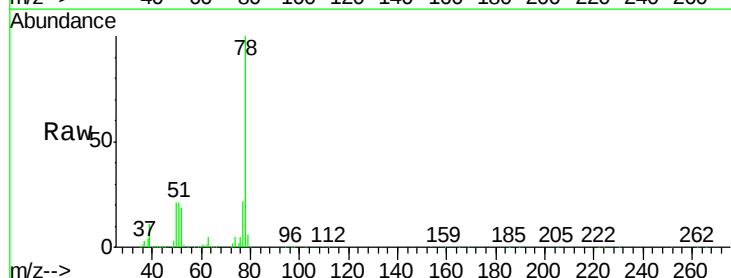
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

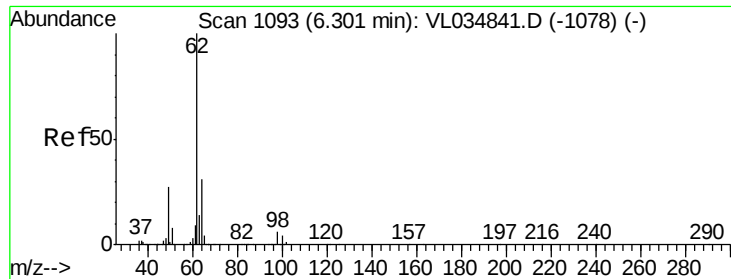
Tgt Ion:117 Resp: 1436868
Ion Ratio Lower Upper
117 100
119 94.8 77.0 115.4
121 33.2 24.0 36.0



#36
Benzene
Concen: 9.600 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

Tgt Ion: 78 Resp: 1920295
Ion Ratio Lower Upper
78 100
77 22.2 18.2 27.2
50 20.8 15.2 22.8





#37

1,2-Dichloroethane

Concen: 10.203 ppbv

RT: 6.30 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Instrument :

MSVOA_L

ClientSampleId :

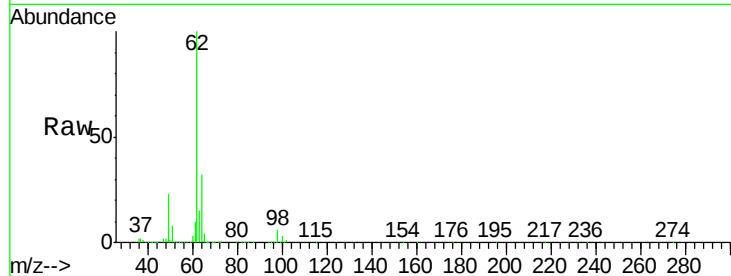
VSTDCCC010EC

Tgt Ion: 62 Resp: 1150672

Ion Ratio Lower Upper

62 100

98 6.0 5.2 7.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.30

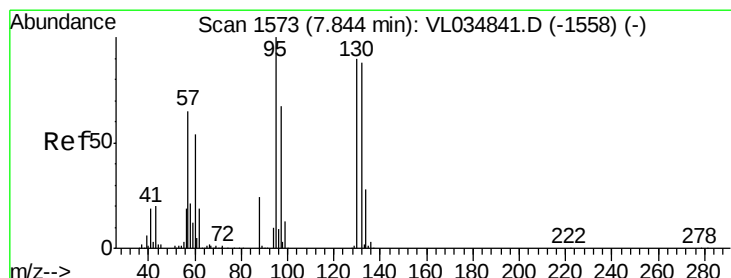
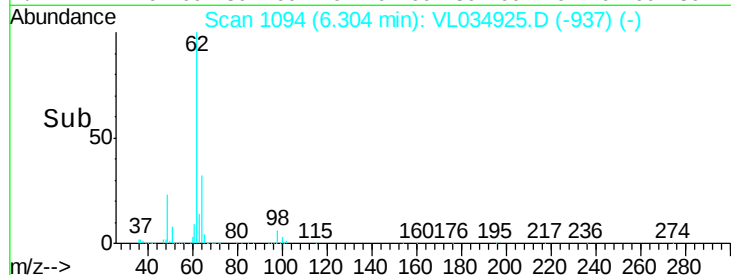
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 9.312 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Tgt Ion: 130 Resp: 707418

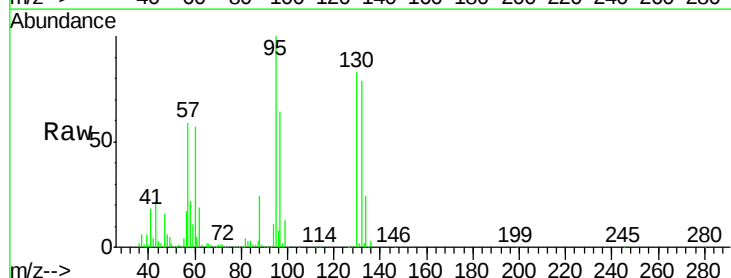
Ion Ratio Lower Upper

130 100

95 121.5 88.5 132.7

132 95.7 78.0 117.0

97 77.9 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

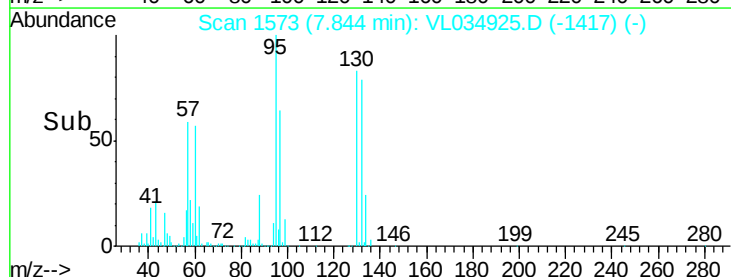
600000

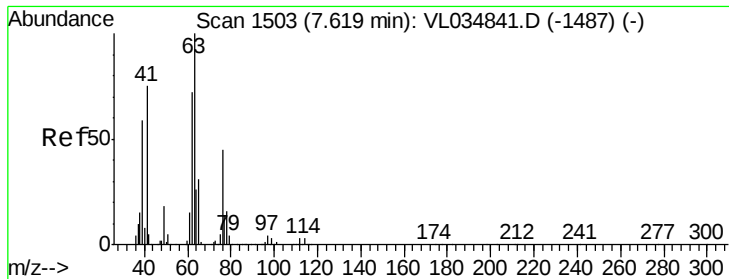
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 9.374 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

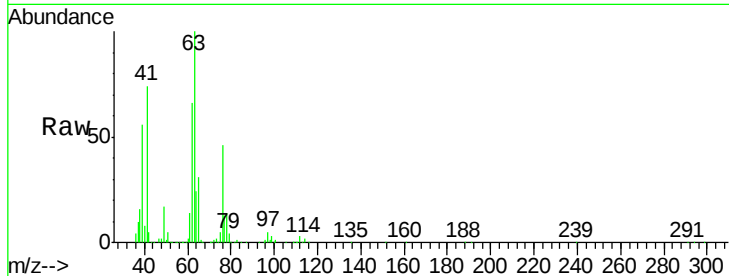
Tgt Ion: 63 Resp: 742883

Ion Ratio Lower Upper

63 100

41 74.1 59.8 89.8

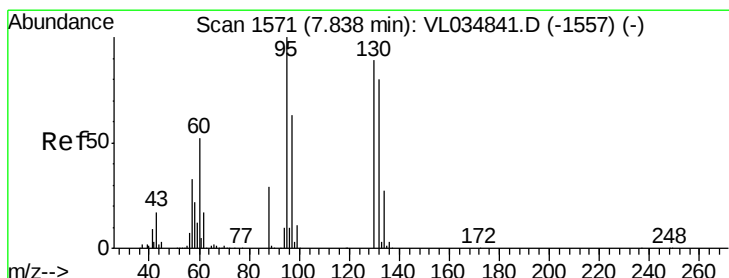
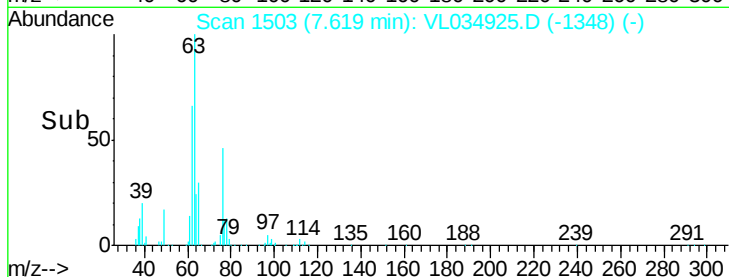
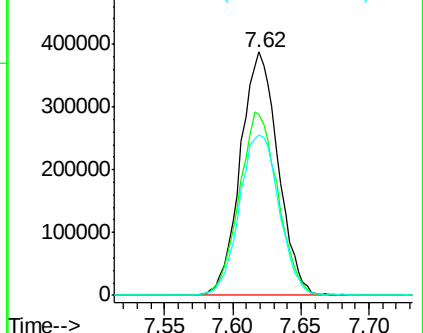
62 65.8 57.6 86.4



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: 8.869 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Tgt Ion: 88 Resp: 265446

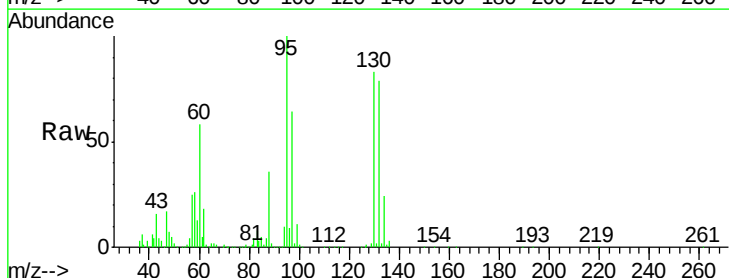
Ion Ratio Lower Upper

88 100

58 138.4 103.9 155.9

43 290.0 0.0 0.0#

57 1256.9 0.0 0.0#

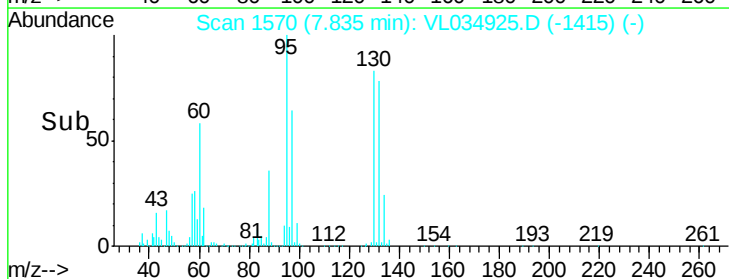
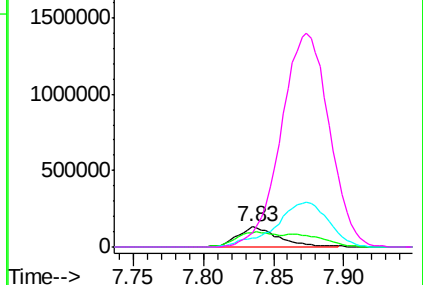


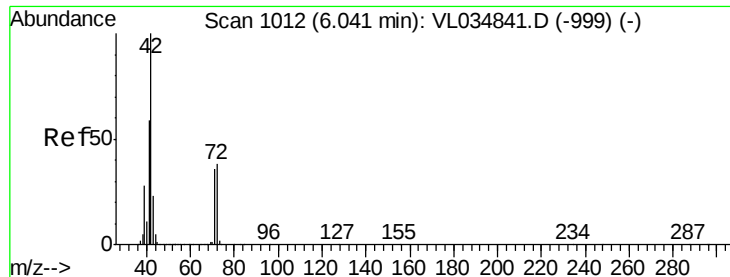
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.921 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

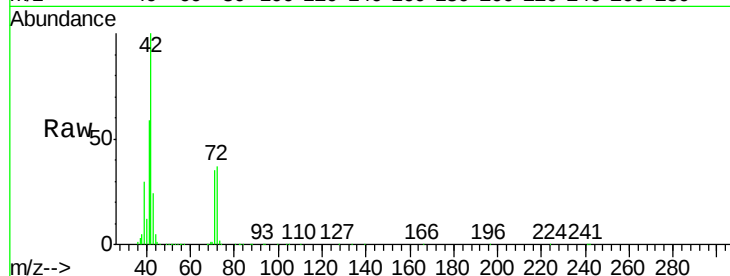
Tgt Ion: 42 Resp: 800529

Ion Ratio Lower Upper

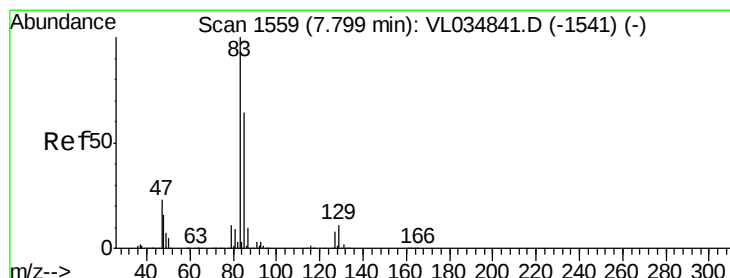
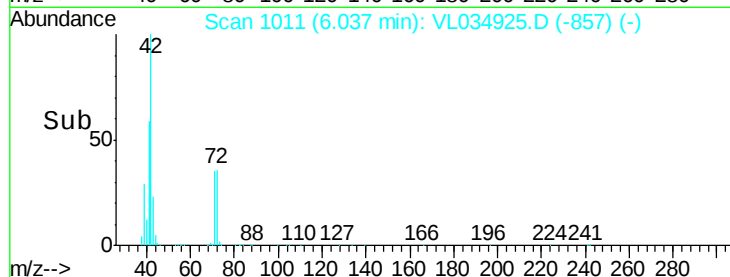
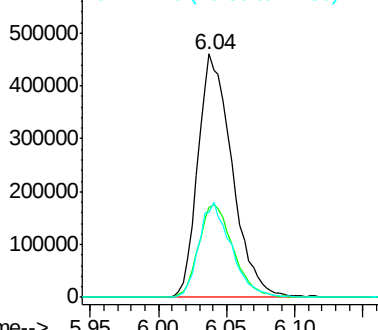
42 100

72 38.6 30.8 46.2

71 37.2 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: 10.074 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

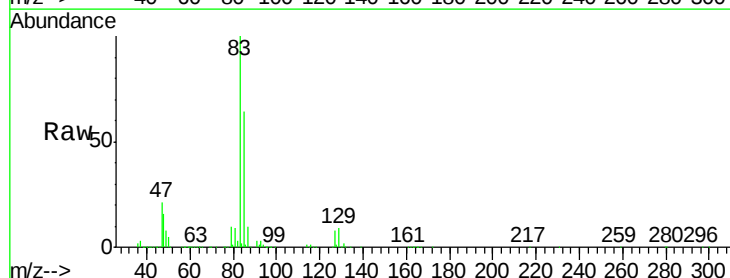
Tgt Ion: 83 Resp: 1548443

Ion Ratio Lower Upper

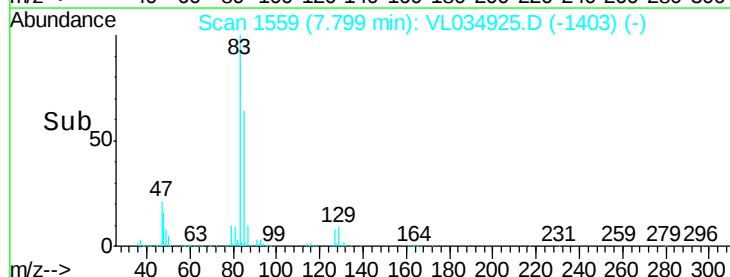
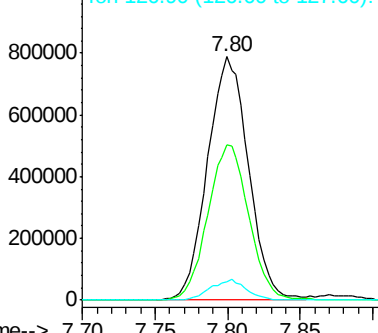
83 100

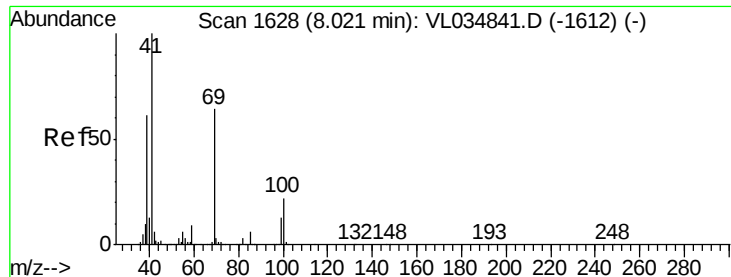
85 63.6 51.4 77.2

127 7.5 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

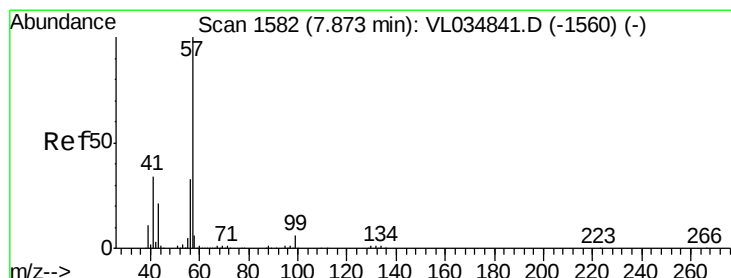
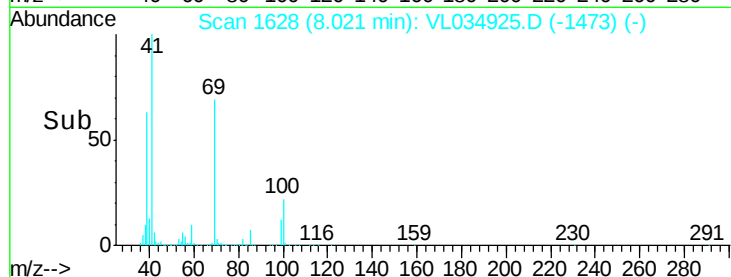
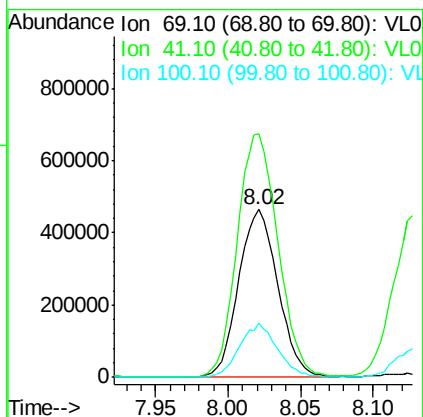
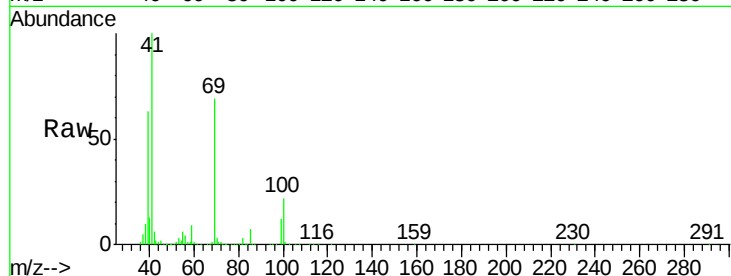




#43
Methyl Methacrylate
Concen: 10.364 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

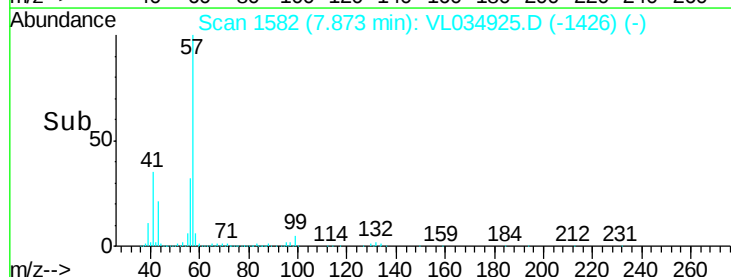
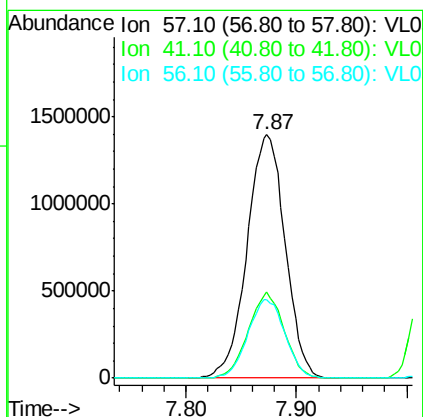
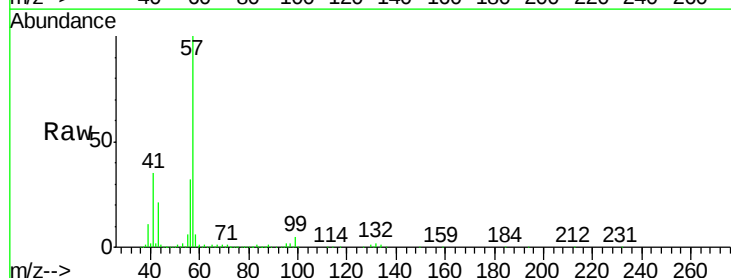
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

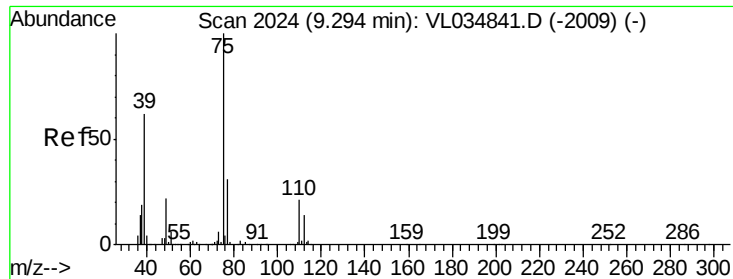
Tgt Ion: 69 Resp: 873314
Ion Ratio Lower Upper
69 100
41 150.6 123.2 184.8
100 31.3 26.9 40.3



#44
2,2,4-Trimethylpentane
Concen: 9.861 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

Tgt Ion: 57 Resp: 3332949
Ion Ratio Lower Upper
57 100
41 33.4 26.2 39.4
56 31.6 25.0 37.4

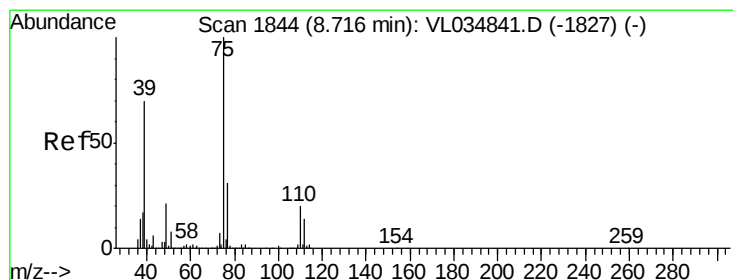
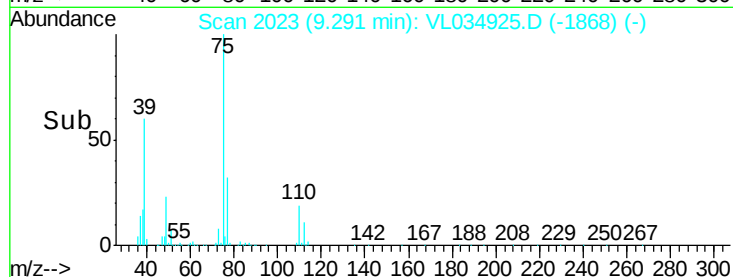
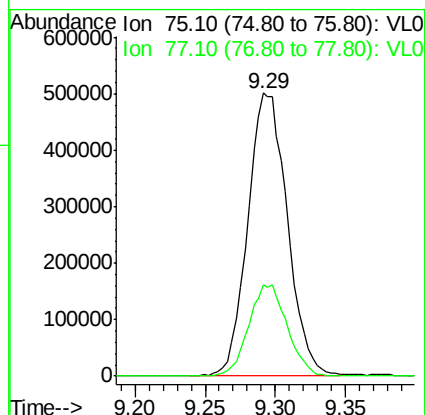
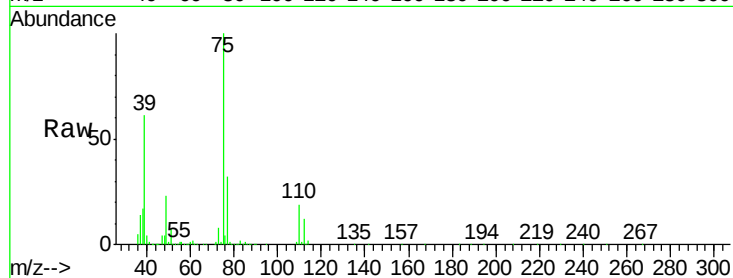




#45
t-1,3-Dichloropropene
Concen: 9.954 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. -0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

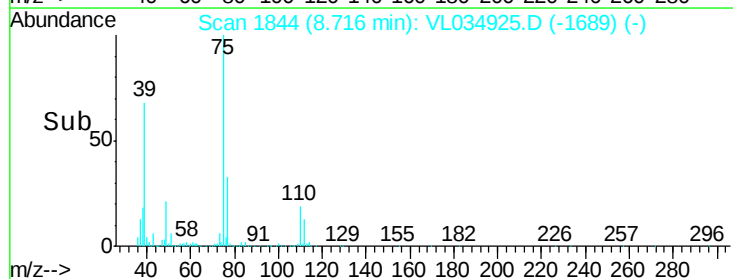
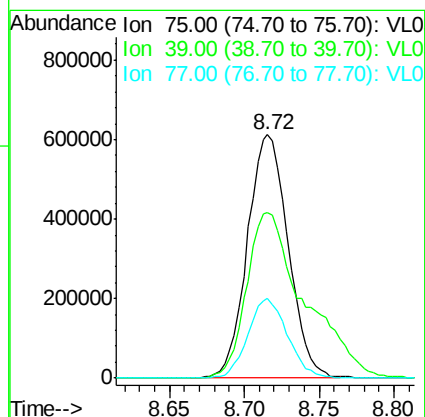
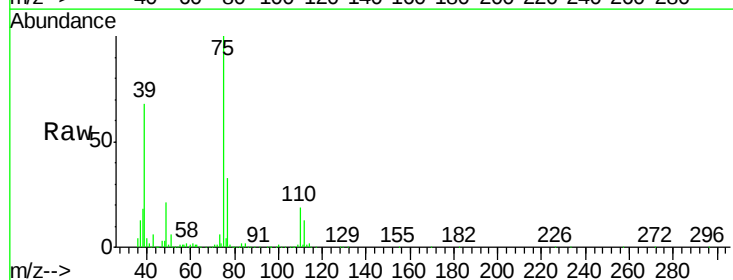
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

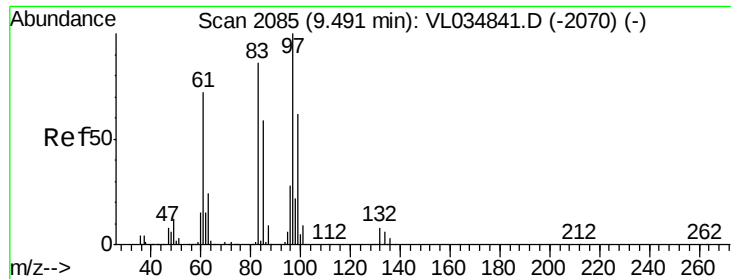
Tgt Ion: 75 Resp: 985518
Ion Ratio Lower Upper
75 100
77 32.4 24.6 37.0



#46
cis-1,3-Dichloropropene
Concen: 9.862 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

Tgt Ion: 75 Resp: 1160256
Ion Ratio Lower Upper
75 100
39 67.7 55.7 83.5
77 32.7 24.7 37.1

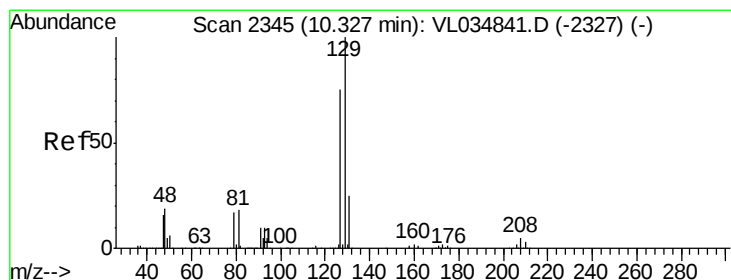
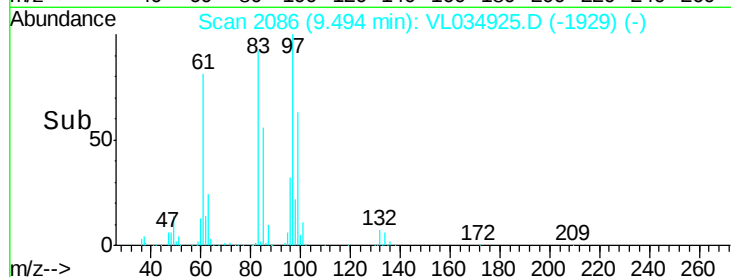
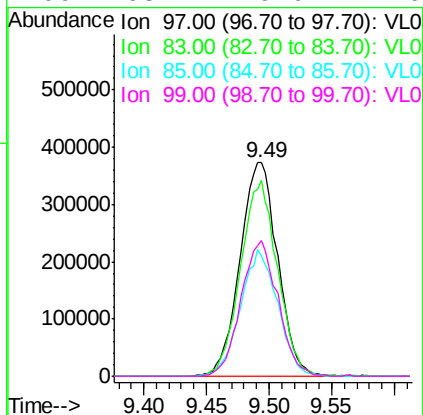
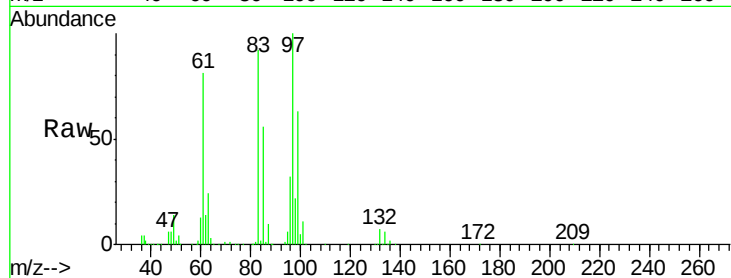




#47
 1,1,2-Trichloroethane
 Concen: 9.574 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VL034925.D
 Acq: 17 Mar 2020 21:22

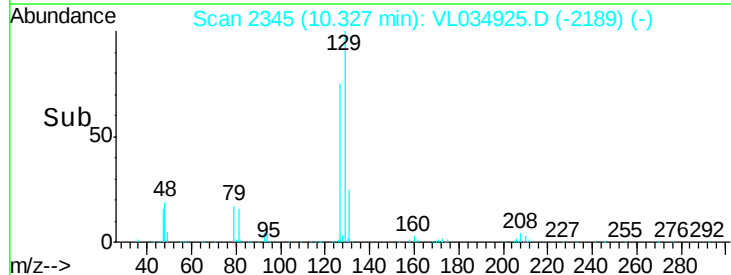
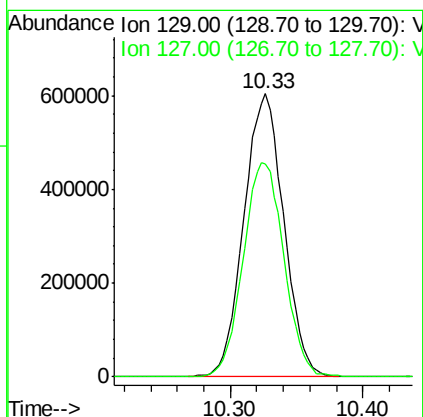
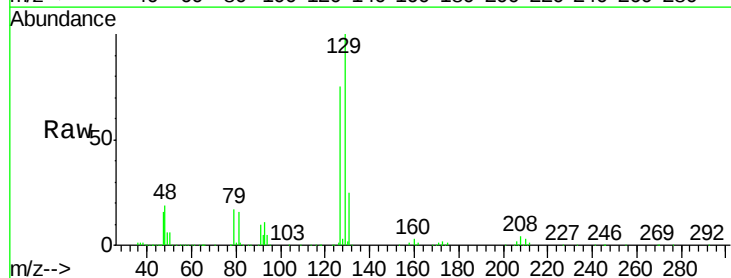
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

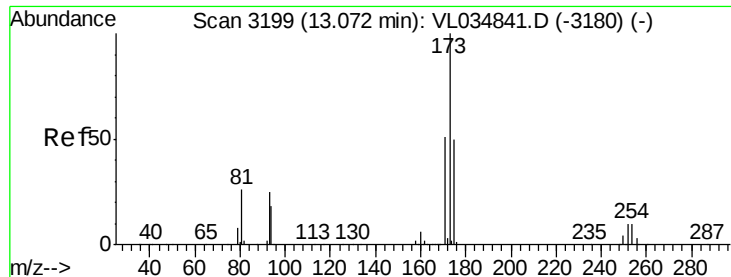
Tgt Ion: 97 Resp: 778681
 Ion Ratio Lower Upper
 97 100
 83 91.9 68.6 102.8
 85 56.2 46.9 70.3
 99 63.4 49.9 74.9



#48
 Dibromochloromethane
 Concen: 9.574 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. -0.00 min
 Lab File: VL034925.D
 Acq: 17 Mar 2020 21:22

Tgt Ion: 129 Resp: 1260995
 Ion Ratio Lower Upper
 129 100
 127 77.6 39.6 118.7





#49

Bromoform

Concen: 9.079 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

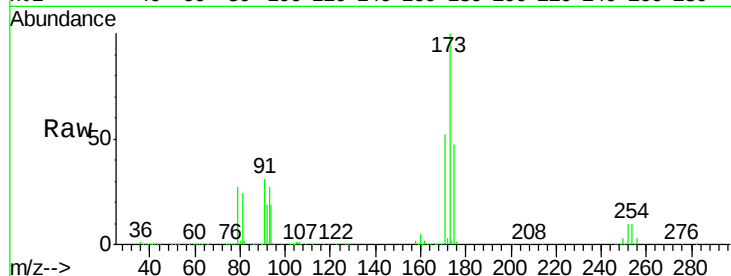
Tgt Ion:173 Resp: 1066219

Ion Ratio Lower Upper

173 100

175 49.4 39.6 59.4

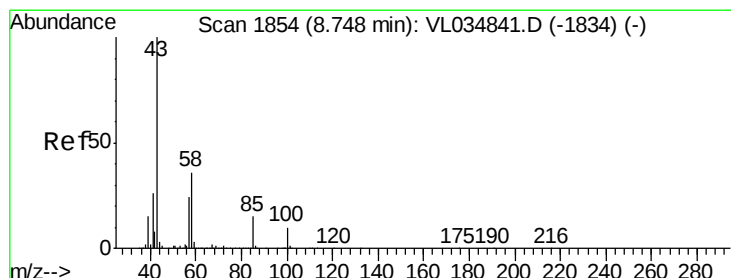
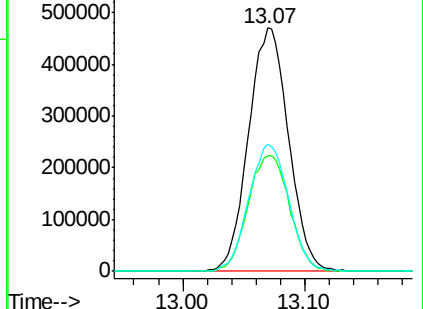
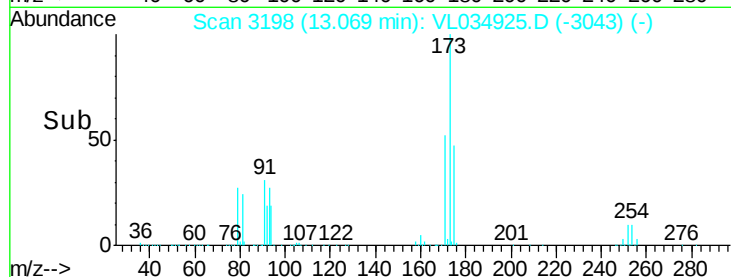
171 52.2 41.0 61.6



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: 10.057 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VL034925.D

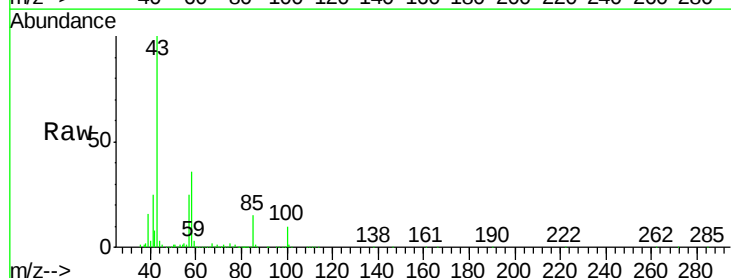
Acq: 17 Mar 2020 21:22

Tgt Ion: 43 Resp: 2158844

Ion Ratio Lower Upper

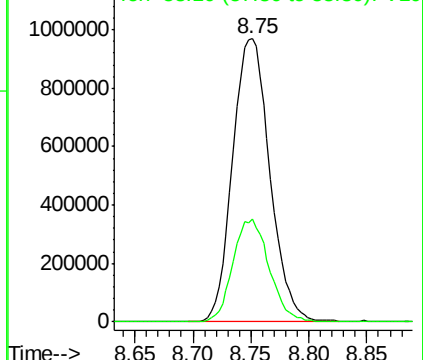
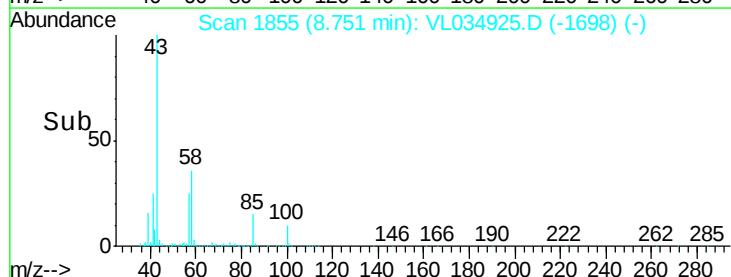
43 100

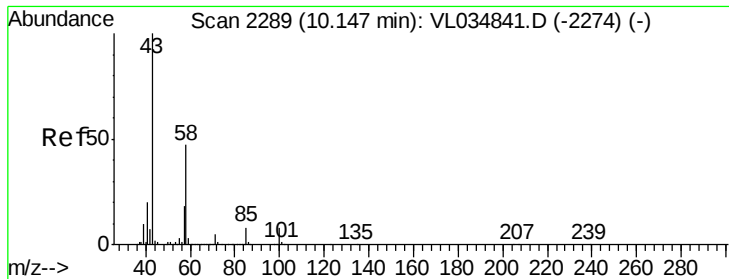
58 35.5 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.910 ppbv

RT: 10.15 min Scan# 2290

Delta R.T. 0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Instrument :

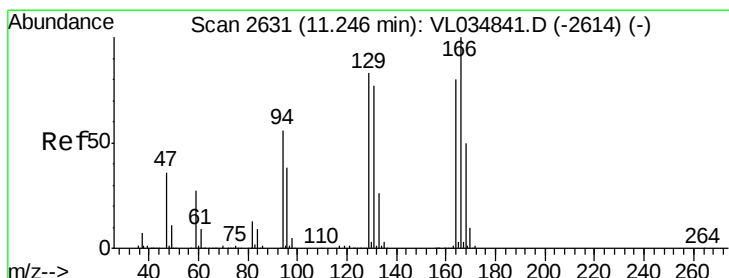
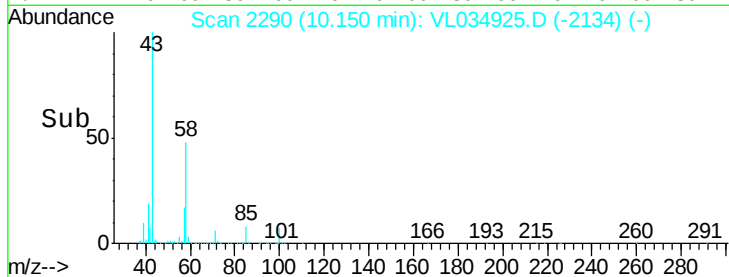
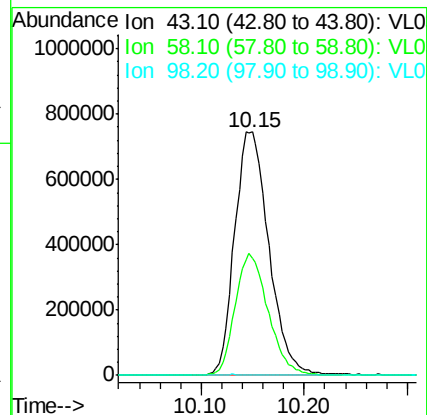
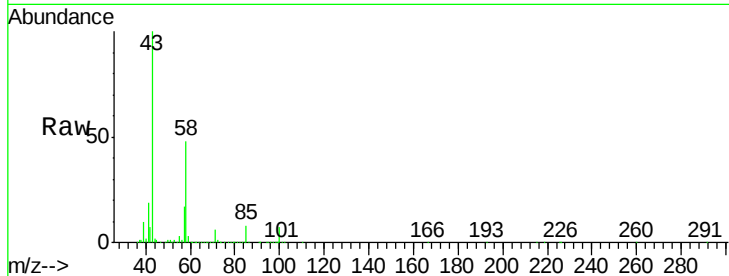
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1728814

Ion	Ratio	Lower	Upper
43	100		
58	48.3	38.6	58.0
98	0.4	0.1	0.1#



#52

Tetrachloroethene

Concen: 8.312 ppbv

RT: 11.24 min Scan# 2630

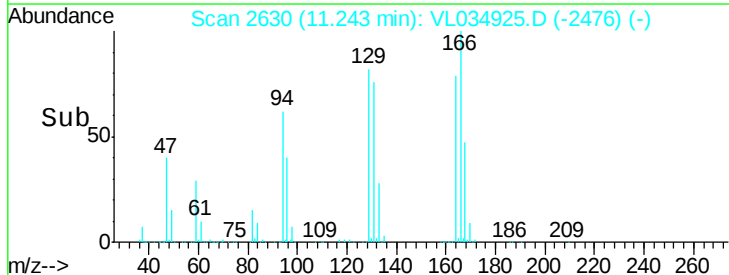
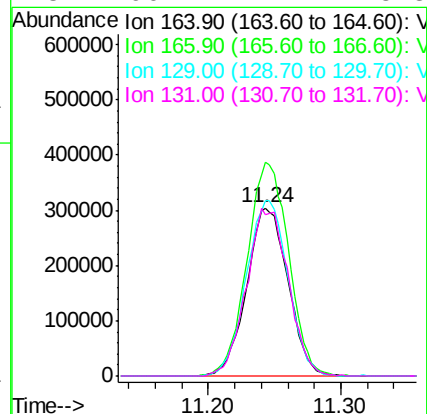
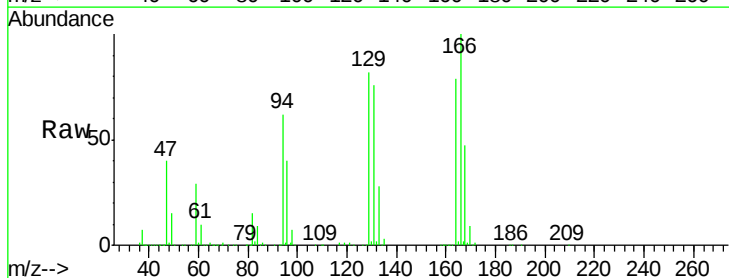
Delta R.T. -0.00 min

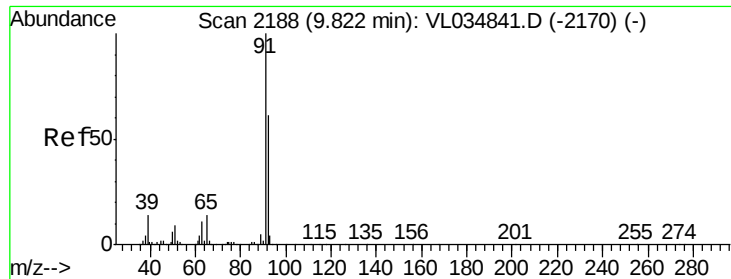
Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Tgt Ion: 164 Resp: 657753

Ion	Ratio	Lower	Upper
164	100		
166	127.2	100.0	150.0
129	104.2	83.1	124.7
131	96.1	77.2	115.8





#53

Toluene

Concen: 9.538 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Instrument :

MSVOA_L

ClientSampleId :

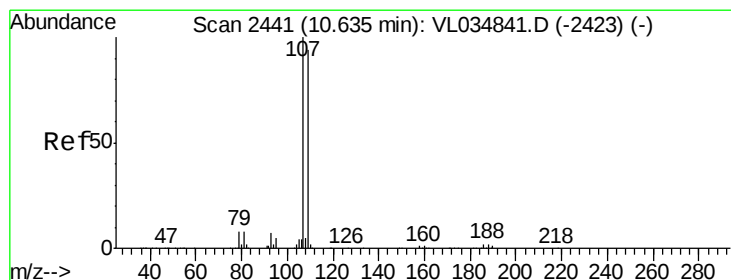
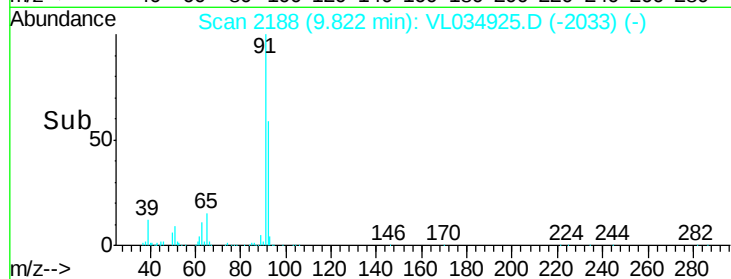
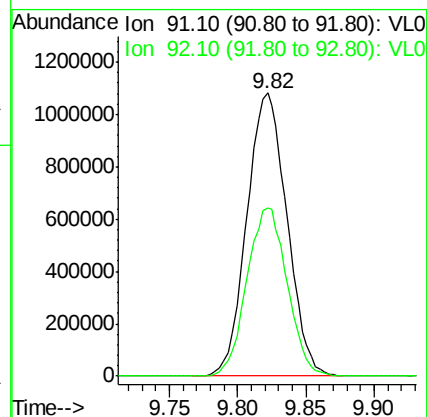
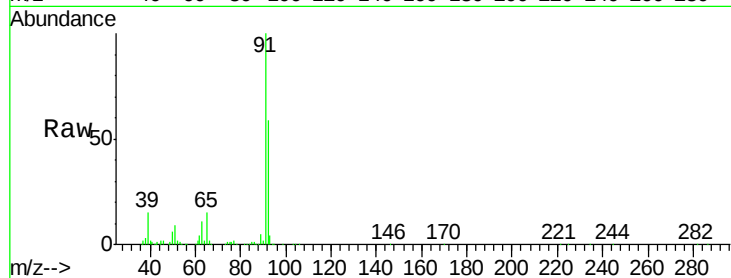
VSTDCCC010EC

Tgt Ion: 91 Resp: 2203075

Ion Ratio Lower Upper

91 100

92 59.9 48.6 72.8



#54

1,2-Dibromoethane

Concen: 9.450 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.00 min

Lab File: VL034925.D

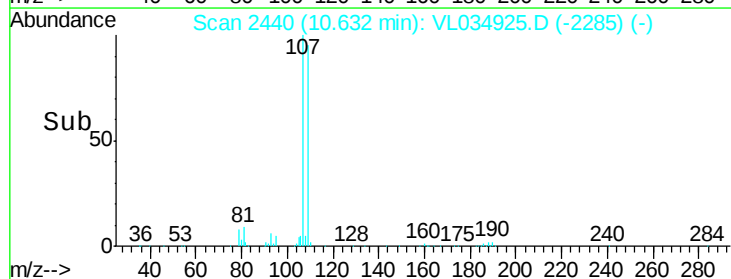
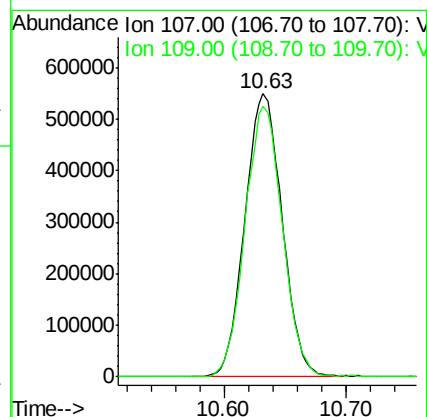
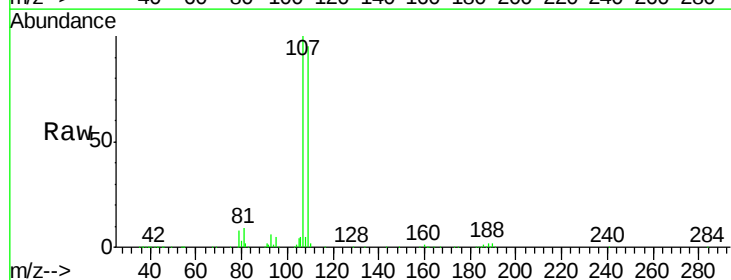
Acq: 17 Mar 2020 21:22

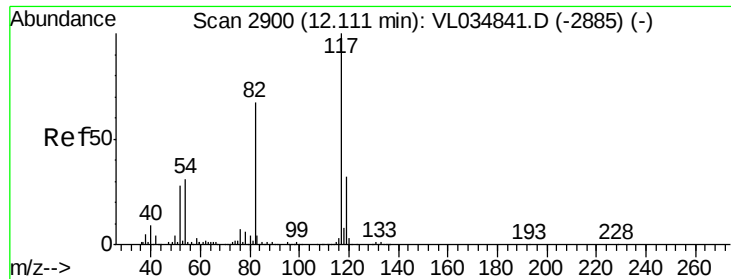
Tgt Ion: 107 Resp: 1156952

Ion Ratio Lower Upper

107 100

109 95.4 74.9 112.3

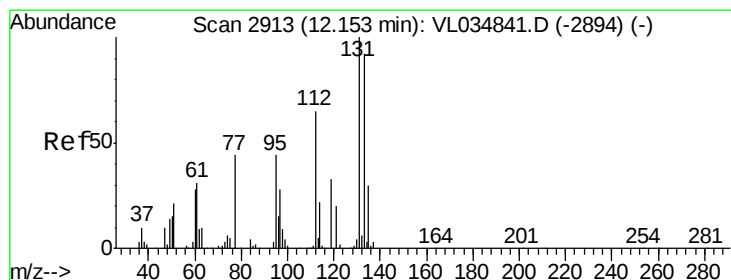
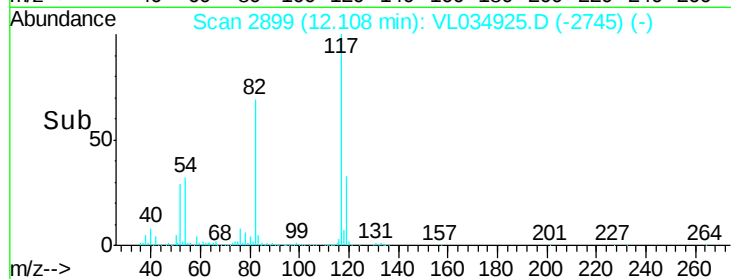
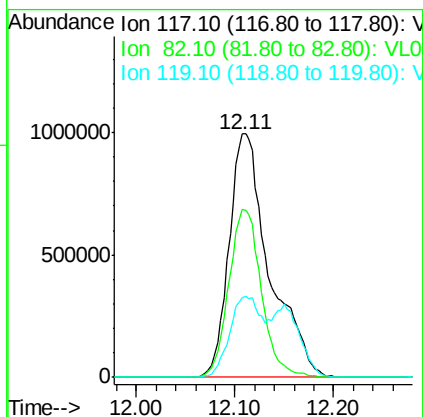
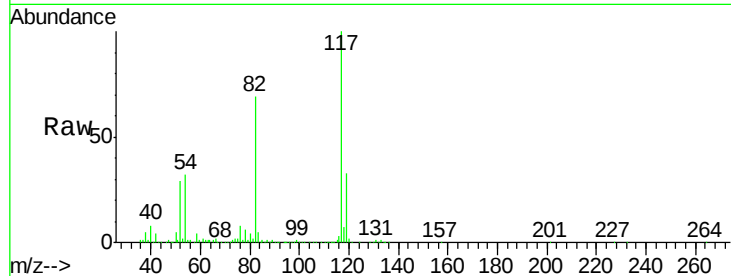




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

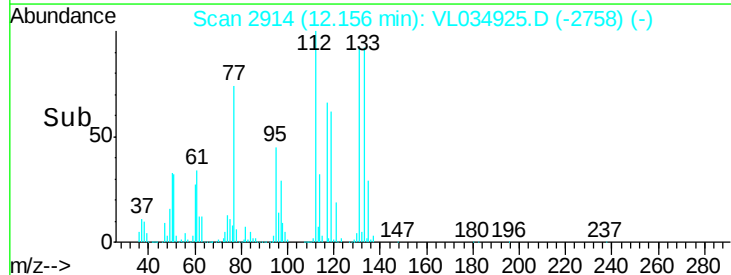
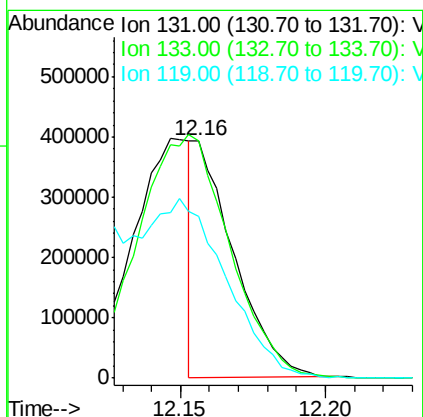
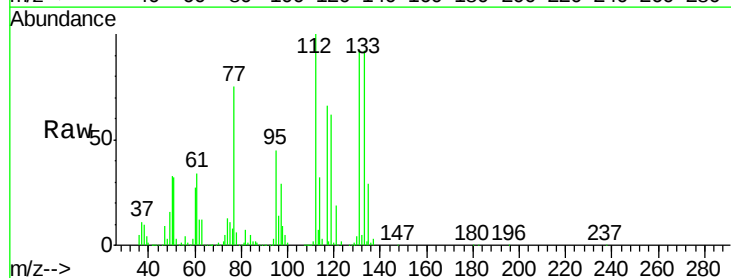
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

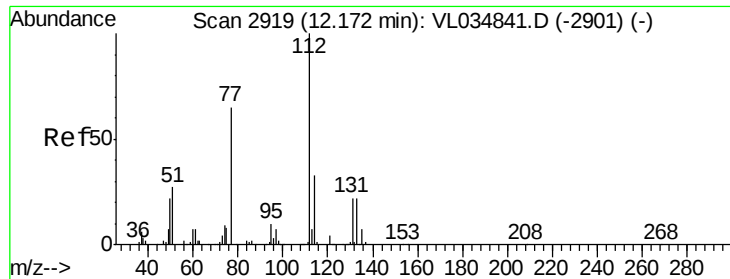
Tgt Ion:117 Resp: 2829691
Ion Ratio Lower Upper
117 100
82 56.0 51.1 76.7
119 27.5 27.3 40.9



#56
1,1,1,2-Tetrachloroethane
Concen: 2.950 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

Tgt Ion:131 Resp: 374980
Ion Ratio Lower Upper
131 100
133 241.0 76.0 114.0#
119 150.4 47.8 71.8#





#57

Chlorobenzene

Concen: 7.295 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

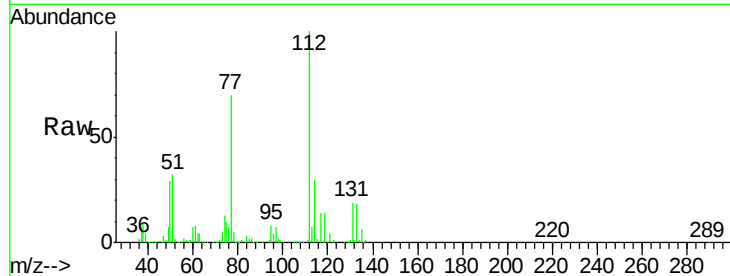
Tgt Ion: 112 Resp: 1615193

Ion Ratio Lower Upper

112 100

77 70.2 53.0 79.6

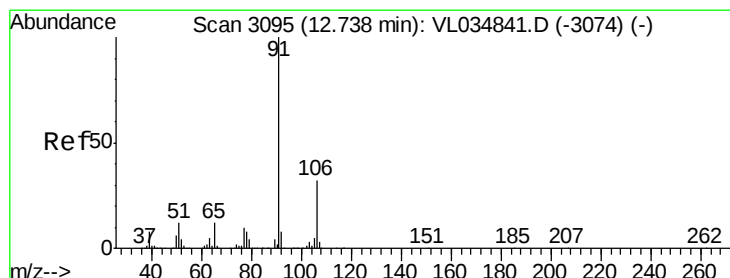
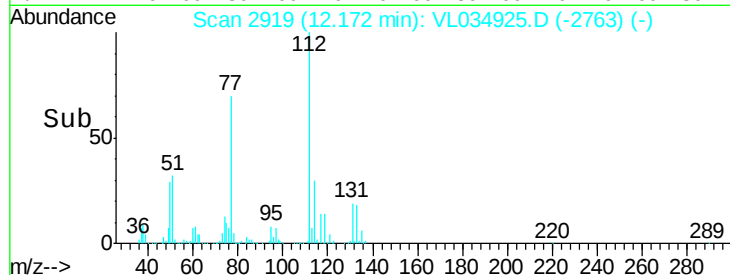
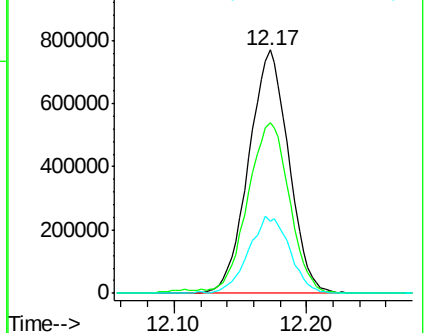
114 29.9 29.5 36.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.622 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. -0.00 min

Lab File: VL034925.D

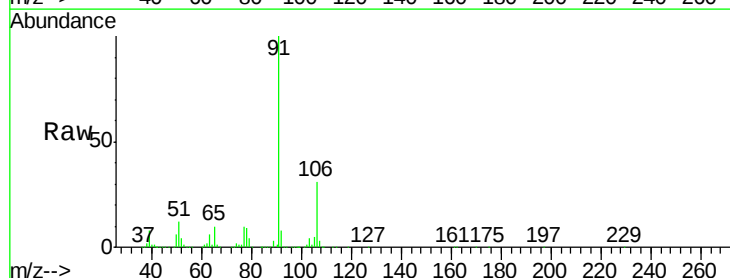
Acq: 17 Mar 2020 21:22

Tgt Ion: 91 Resp: 2920675

Ion Ratio Lower Upper

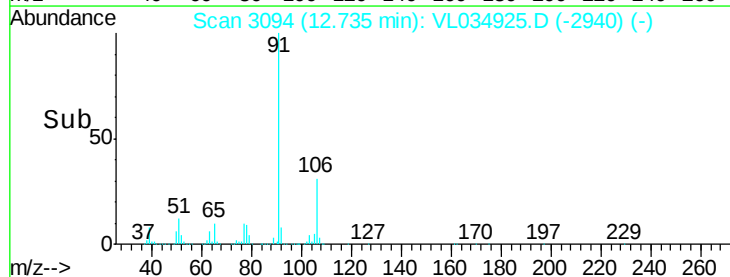
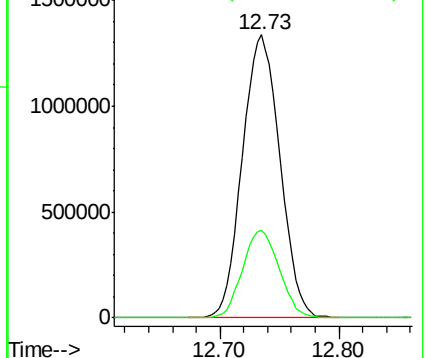
91 100

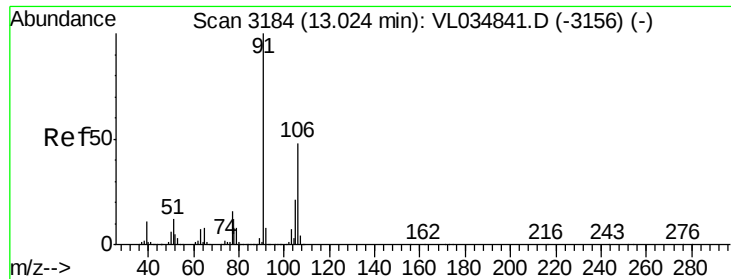
106 30.9 25.8 38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

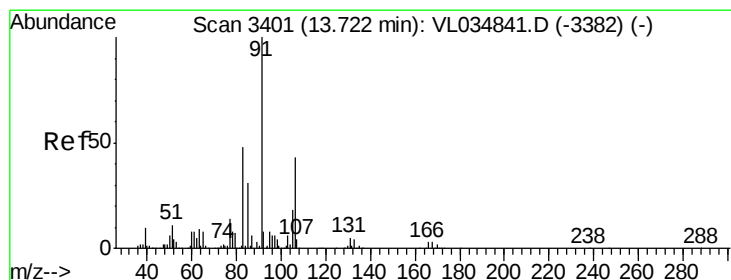
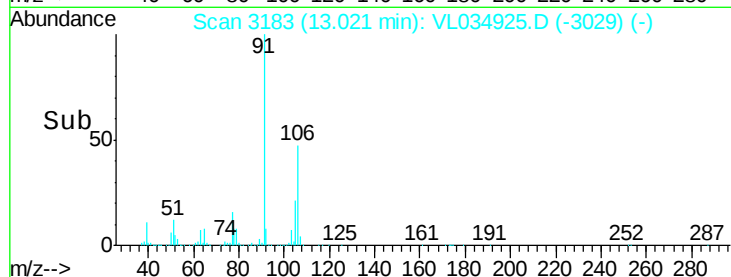
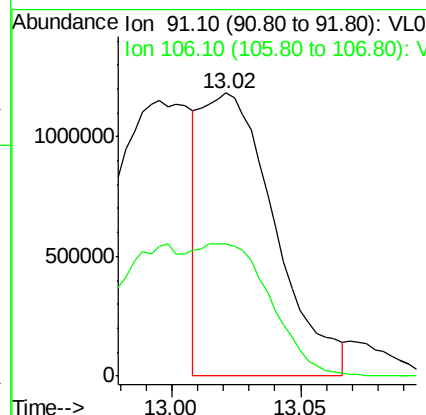
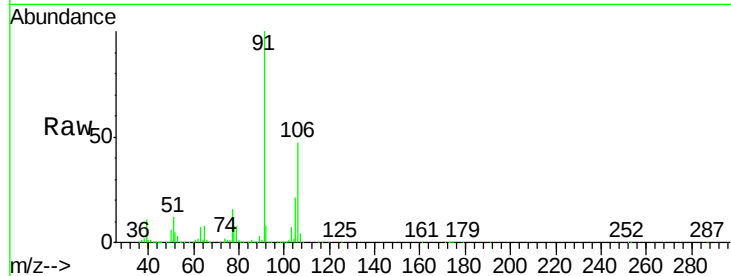




#59
m/p-Xylene
Concen: 7.269 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

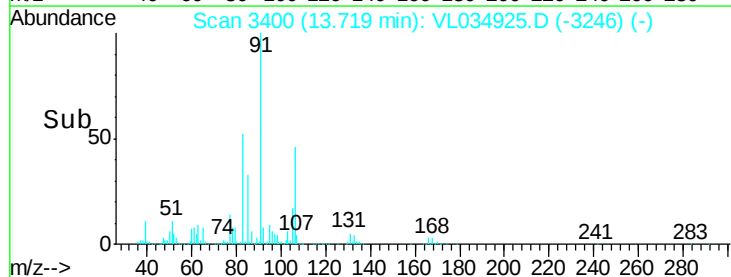
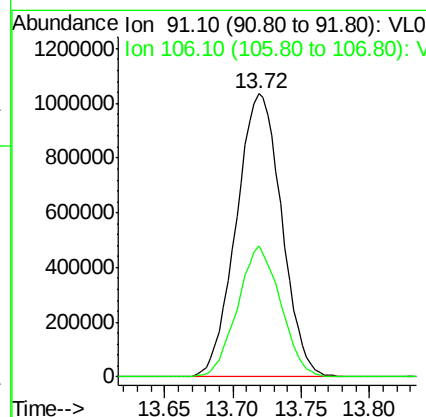
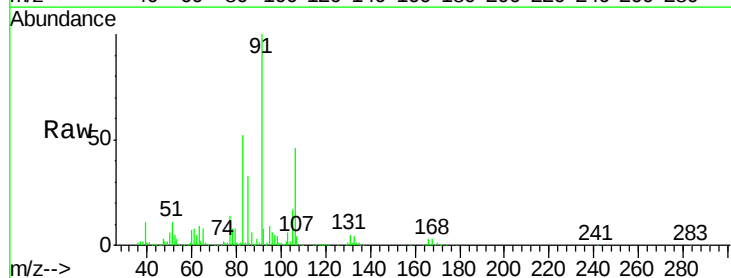
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

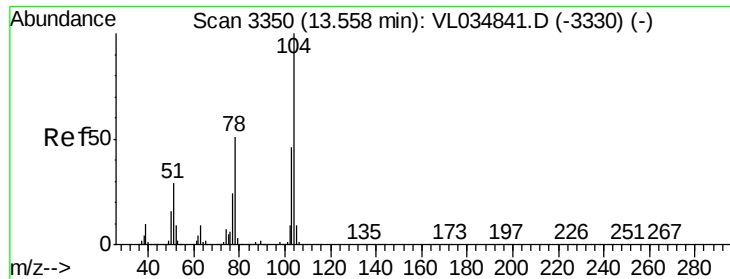
Tgt Ion: 91 Resp: 2333713
Ion Ratio Lower Upper
91 100
106 94.0 37.1 55.7#



#60
o-Xylene
Concen: 7.570 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

Tgt Ion: 91 Resp: 2372747
Ion Ratio Lower Upper
91 100
106 44.2 22.5 67.5

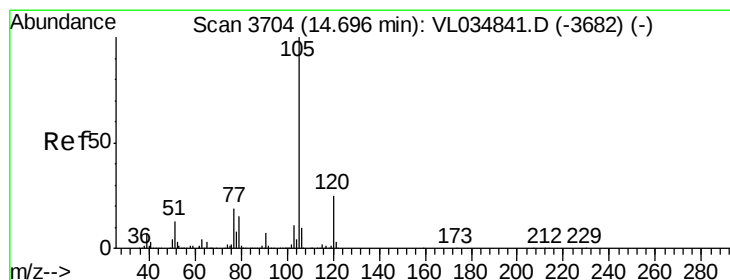
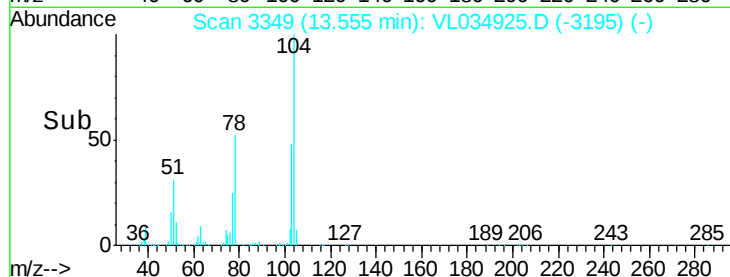
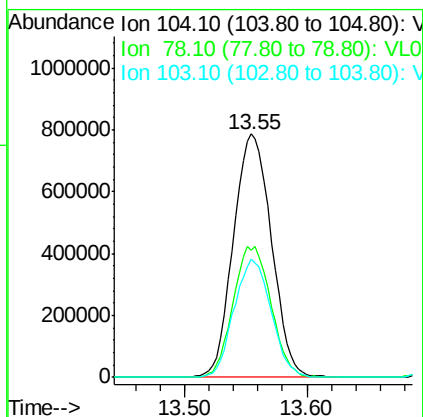
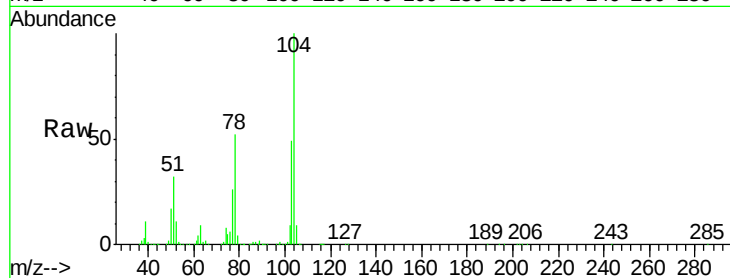




#61
Styrene
Concen: 7.728 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

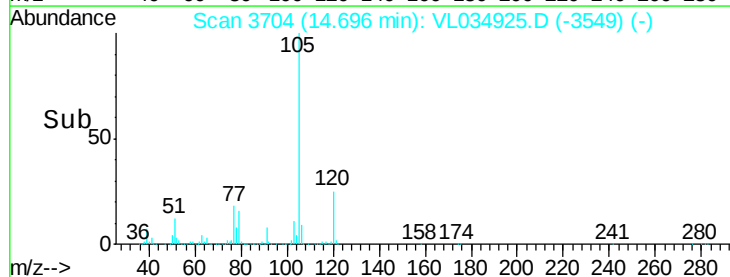
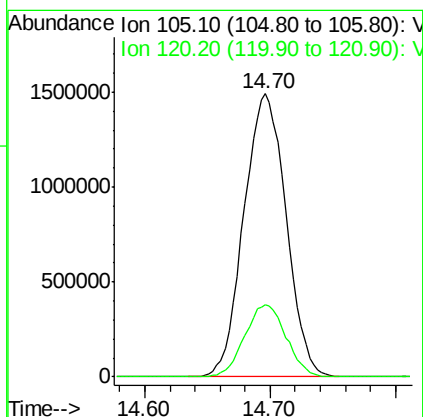
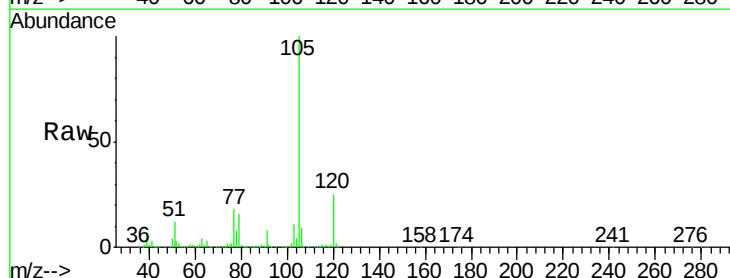
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

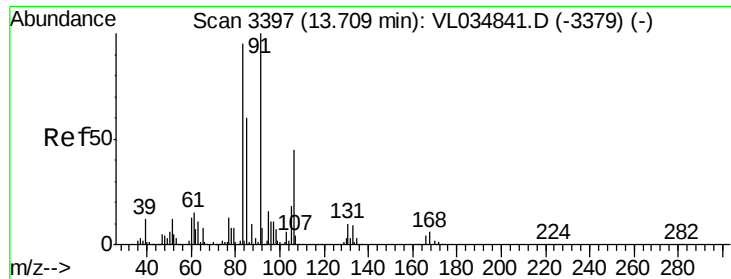
Tgt Ion:104 Resp: 1700020
Ion Ratio Lower Upper
104 100
78 53.9 41.8 62.6
103 47.3 37.8 56.6



#62
Isopropylbenzene
Concen: 7.362 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. -0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

Tgt Ion:105 Resp: 3489477
Ion Ratio Lower Upper
105 100
120 25.0 21.0 31.4





#63

1,1,2,2-Tetrachloroethane

Concen: 7.750 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

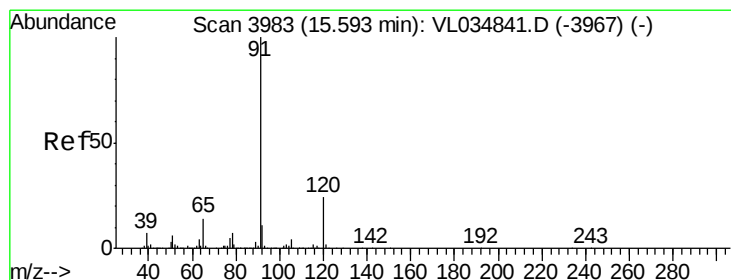
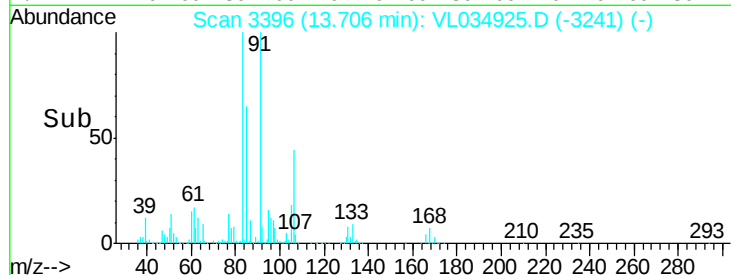
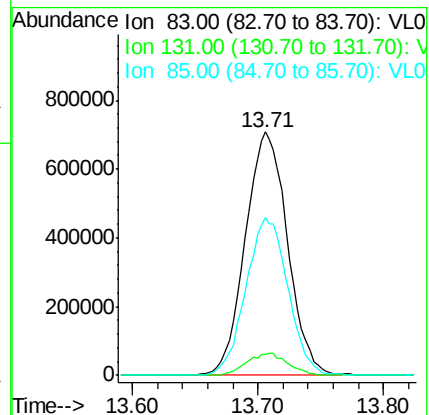
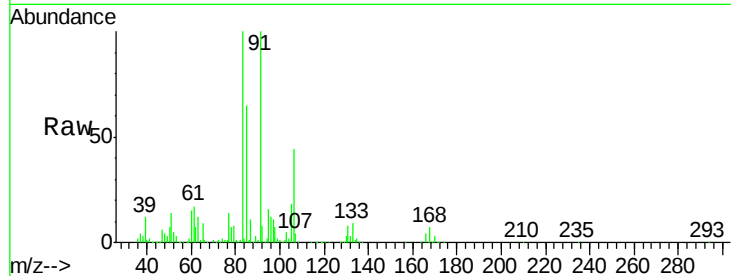
Tgt Ion: 83 Resp: 1649235

Ion Ratio Lower Upper

83 100

131 9.0 5.0 14.9

85 65.0 32.4 97.2



#64

n-propylbenzene

Concen: 7.324 ppbv

RT: 15.59 min Scan# 3982

Delta R.T. -0.00 min

Lab File: VL034925.D

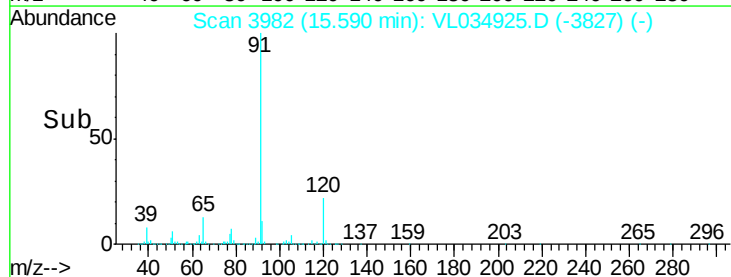
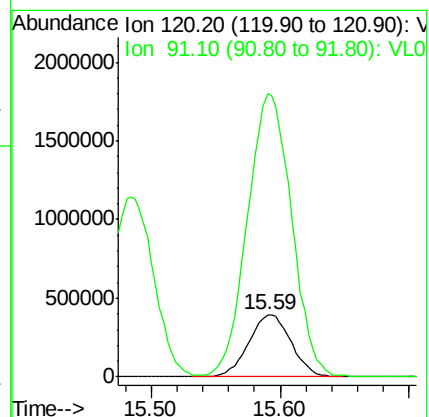
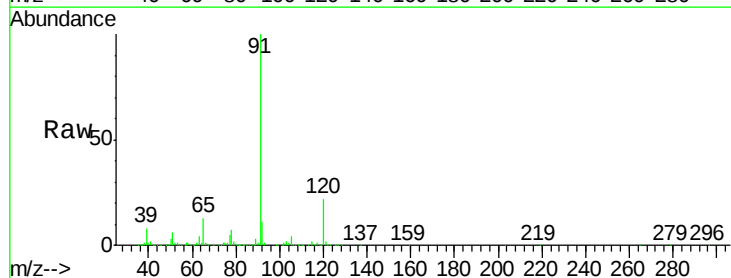
Acq: 17 Mar 2020 21:22

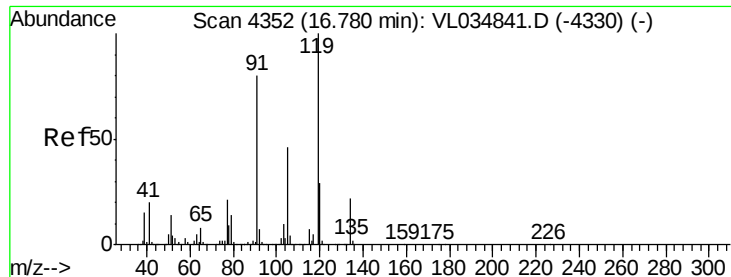
Tgt Ion: 120 Resp: 903447

Ion Ratio Lower Upper

120 100

91 474.6 360.9 541.3





#65

tert-Butylbenzene

Concen: 7.156 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

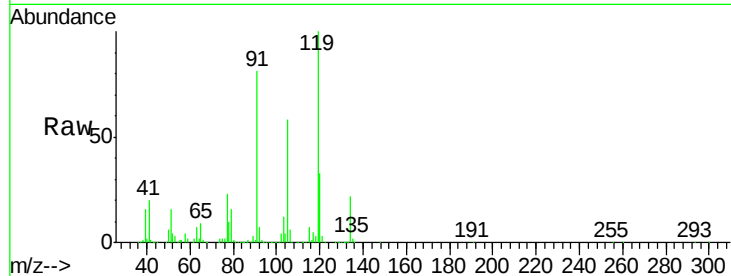
Tgt Ion: 119 Resp: 2965064

Ion Ratio Lower Upper

119 100

91 84.6 64.9 97.3

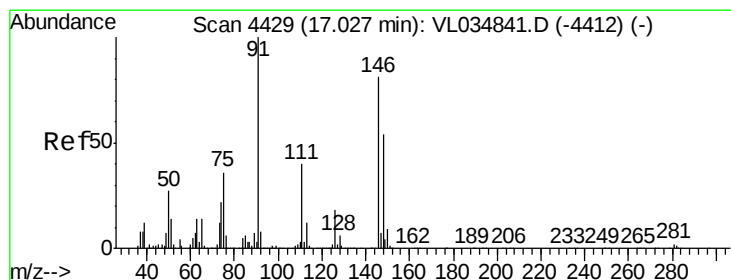
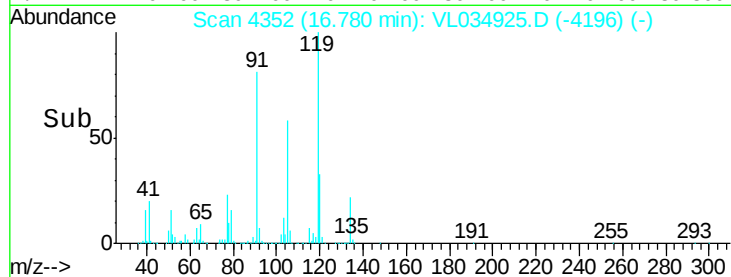
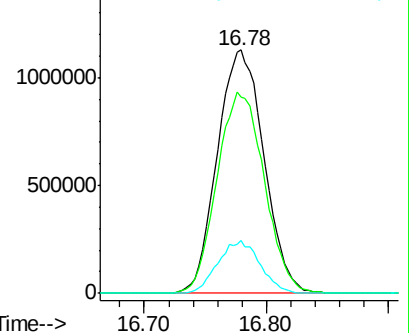
134 19.8 15.9 23.9



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: 7.257 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

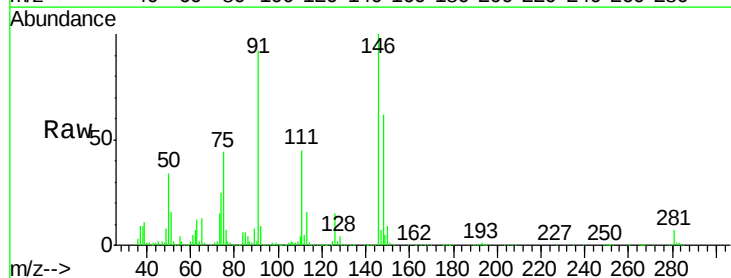
Tgt Ion: 91 Resp: 1253788

Ion Ratio Lower Upper

91 100

126 16.2 14.7 22.1

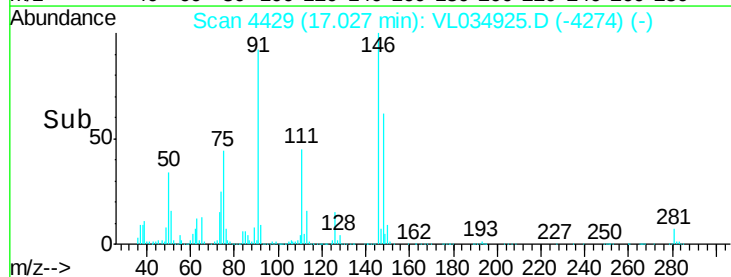
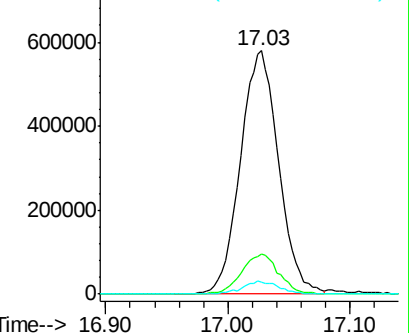
128 5.0 4.7 7.1

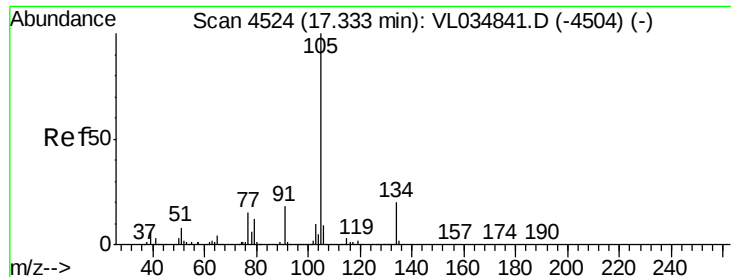


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.507 ppbv

RT: 17.33 min Scan# 4523

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Instrument :

MSVOA_L

ClientSampleId :

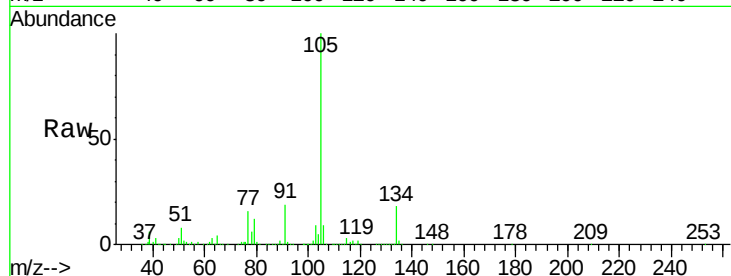
VSTDCCC010EC

Tgt Ion:105 Resp: 4312798

Ion Ratio Lower Upper

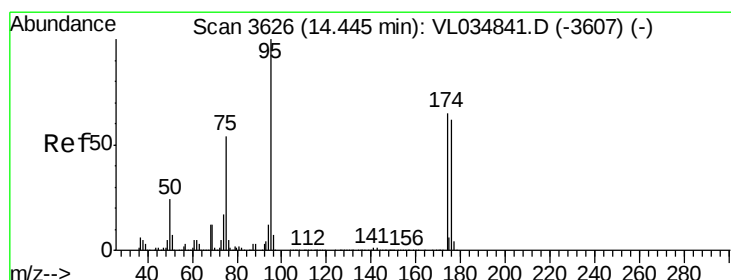
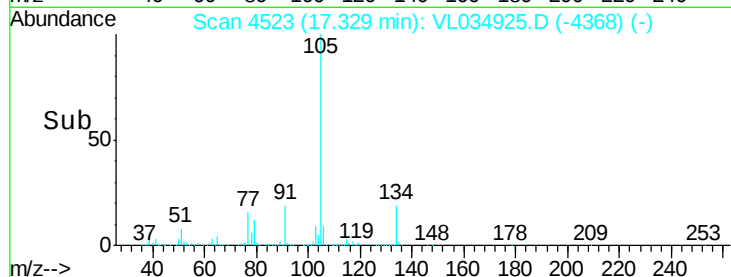
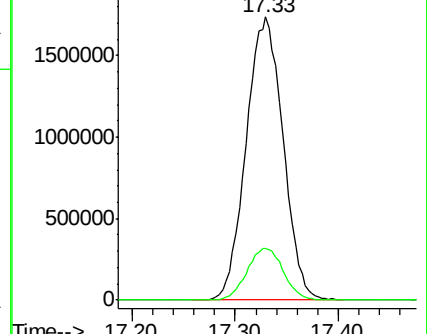
105 100

134 18.1 15.0 22.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.573 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

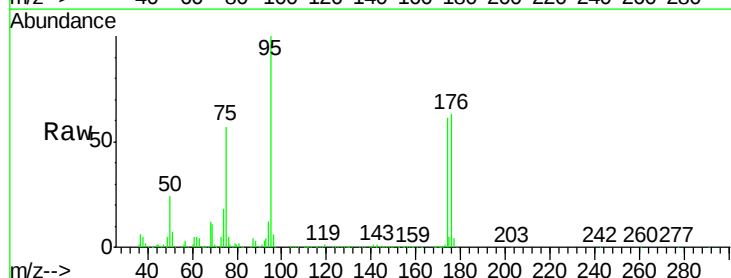
Tgt Ion: 95 Resp: 1892000

Ion Ratio Lower Upper

95 100

174 64.8 55.2 82.8

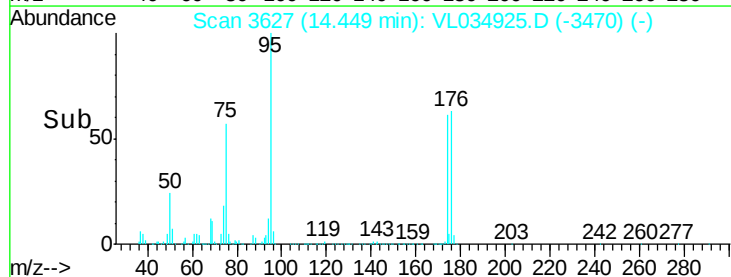
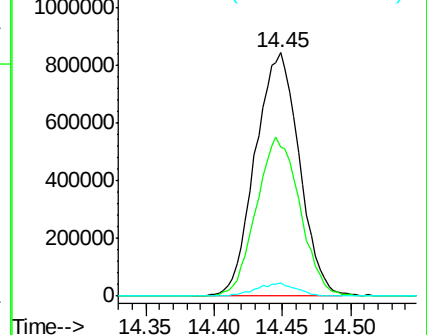
175 4.9 4.3 6.5

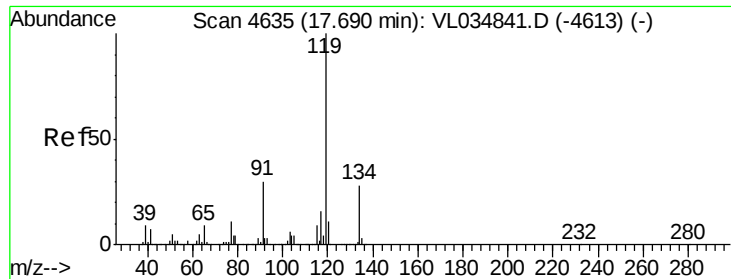


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

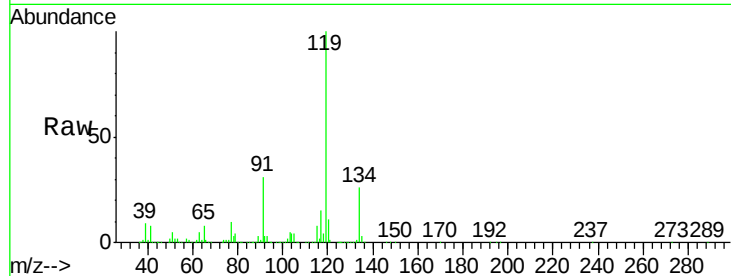




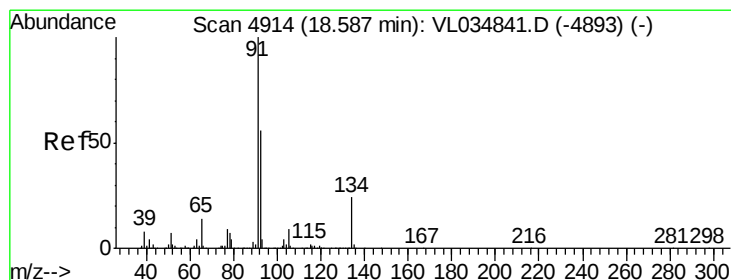
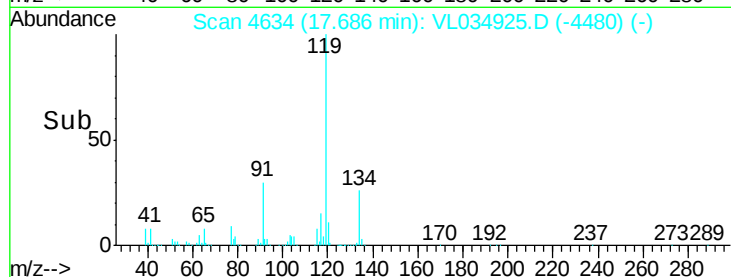
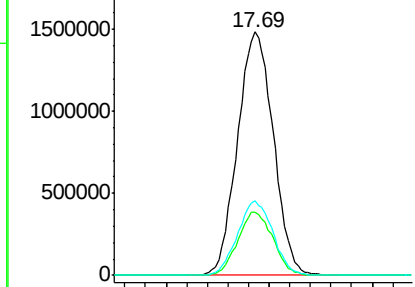
#69
p-Isopropyltoluene
Concen: 7.431 ppbv
RT: 17.69 min Scan# 4634
Delta R.T. -0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 119 Resp: 3579880
Ion Ratio Lower Upper
119 100
134 25.6 20.6 30.8
91 30.4 23.4 35.2

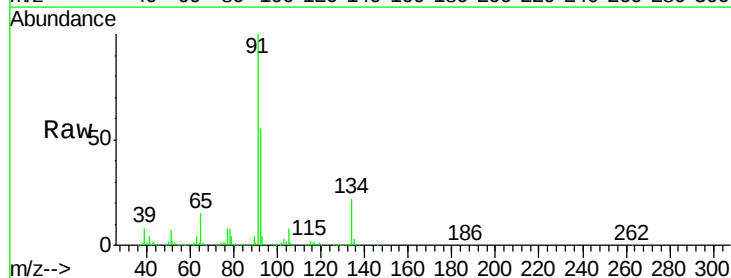


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): VL0

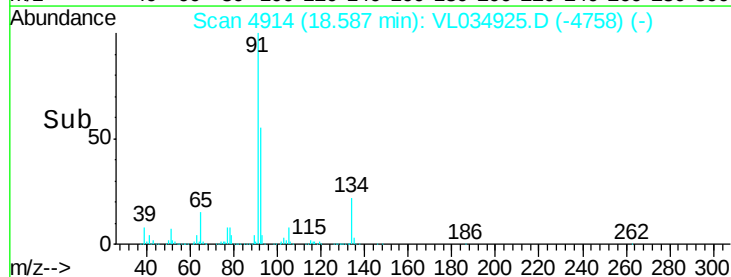
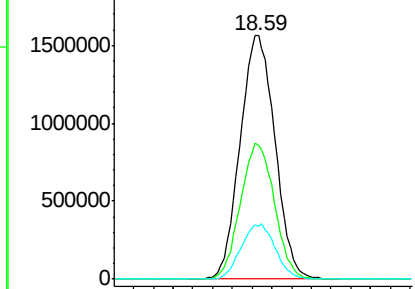


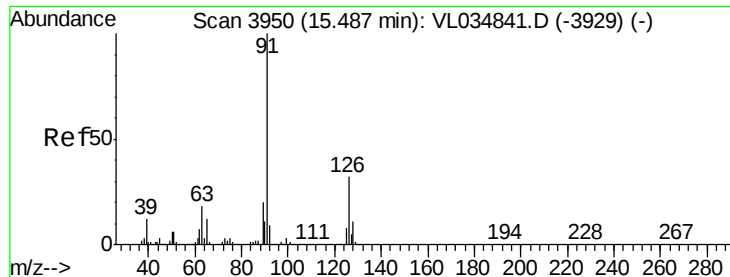
#70
n-Butylbenzene
Concen: 7.794 ppbv
RT: 18.59 min Scan# 4914
Delta R.T. -0.00 min
Lab File: VL034925.D
Acq: 17 Mar 2020 21:22

Tgt Ion: 91 Resp: 3831080
Ion Ratio Lower Upper
91 100
92 54.4 43.8 65.6
134 22.3 19.0 28.4



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: 7.432 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Instrument :

MSVOA_L

ClientSampleId :

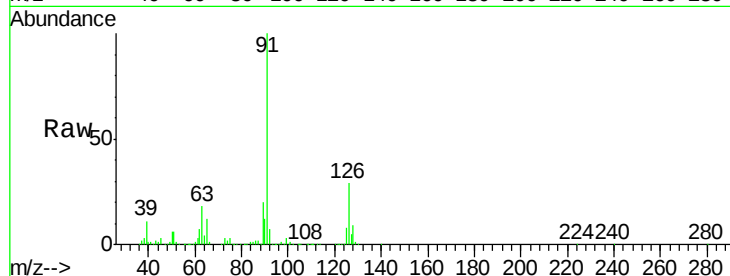
VSTDCCC010EC

Tgt Ion: 91 Resp: 2667608

Ion Ratio Lower Upper

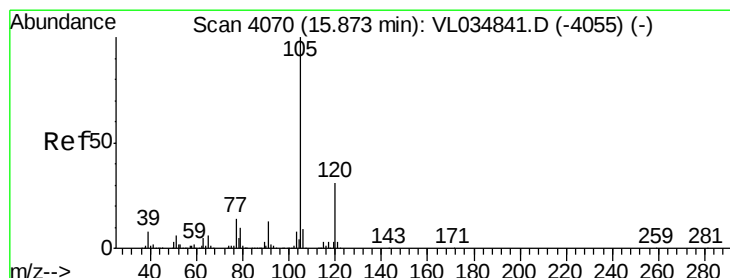
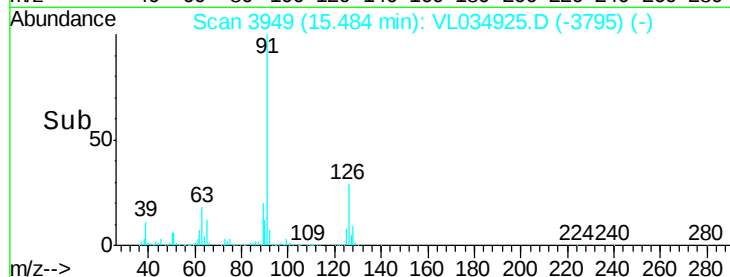
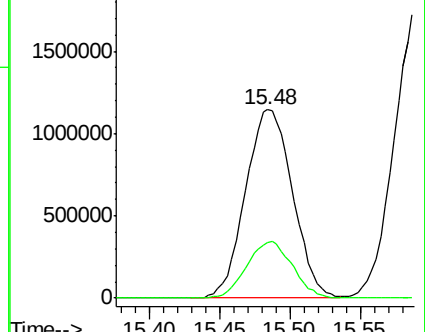
91 100

126 29.3 12.3 49.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.595 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Tgt Ion: 105 Resp: 2811730

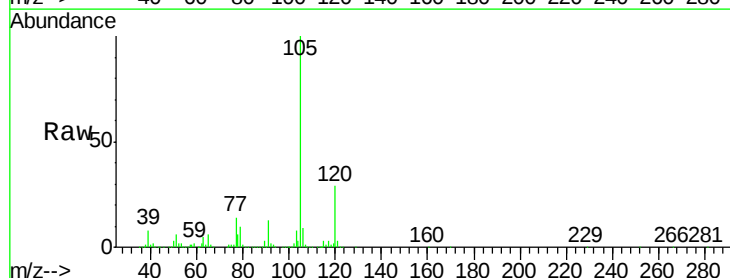
Ion Ratio Lower Upper

105 100

120 29.0 23.7 35.5

91 12.8 10.5 15.7

77 14.2 11.1 16.7

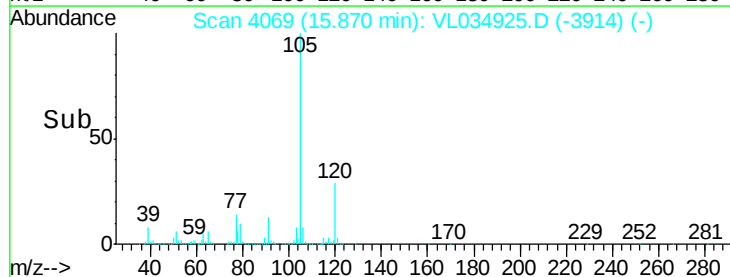
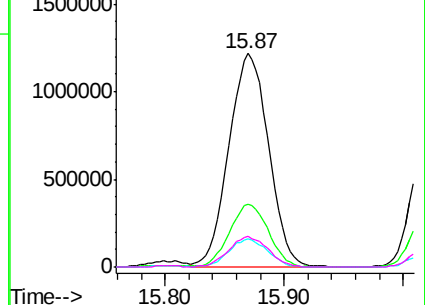


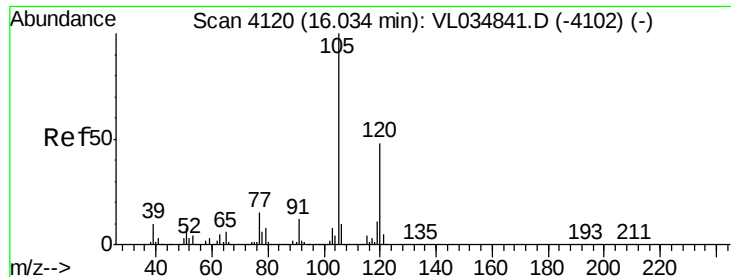
Abundance Ion 105.10 (104.80 to 105.80): V

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

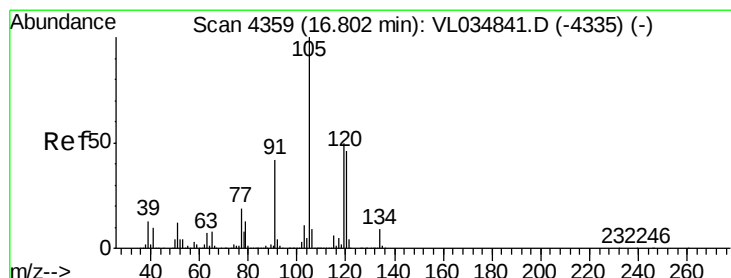
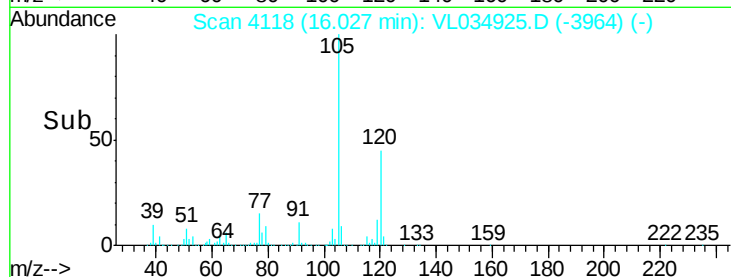
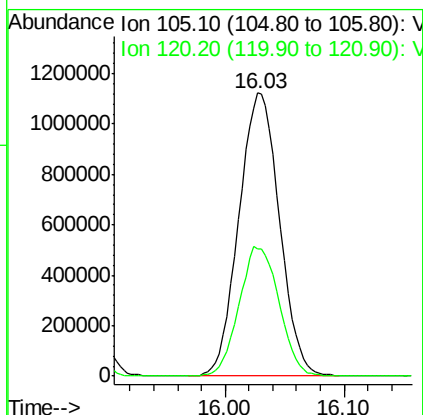
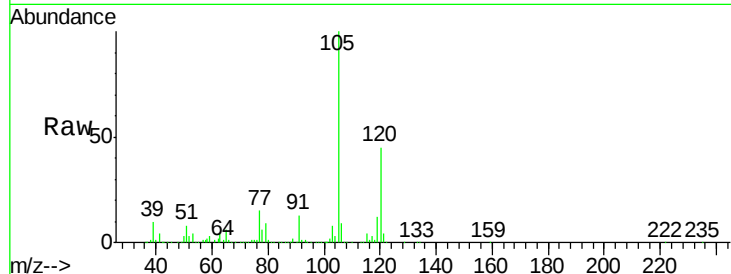




#73
 1,3,5-Trimethylbenzene
 Concen: 7.612 ppbv
 RT: 16.03 min Scan# 4118
 Delta R.T. -0.01 min
 Lab File: VL034925.D
 Acq: 17 Mar 2020 21:22

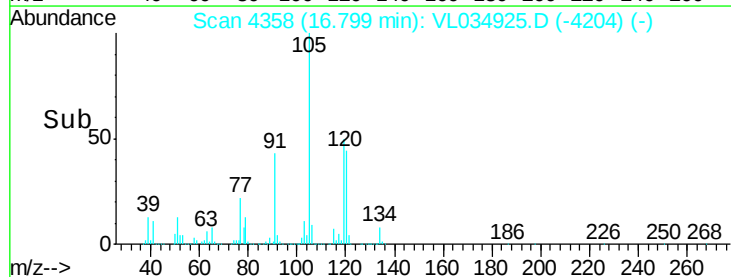
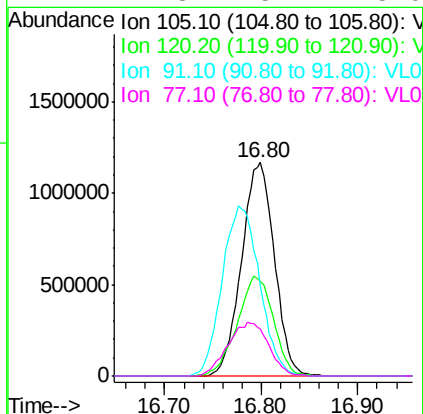
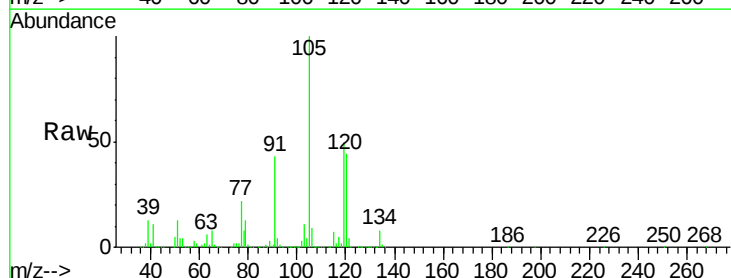
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

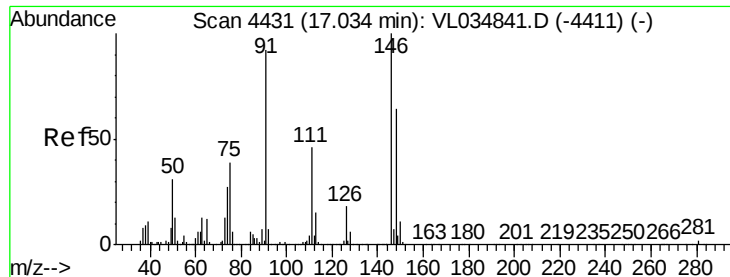
Tgt Ion:105 Resp: 2637772
 Ion Ratio Lower Upper
 105 100
 120 44.7 38.6 58.0



#74
 1,2,4-Trimethylbenzene
 Concen: 7.709 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. -0.00 min
 Lab File: VL034925.D
 Acq: 17 Mar 2020 21:22

Tgt Ion:105 Resp: 2752212
 Ion Ratio Lower Upper
 105 100
 120 44.4 37.0 55.4
 91 42.6 33.8 50.6
 77 22.3 15.4 23.0

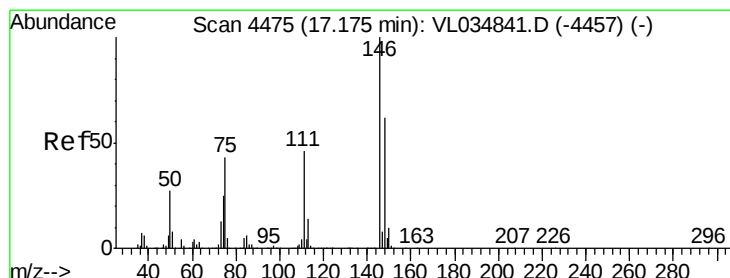
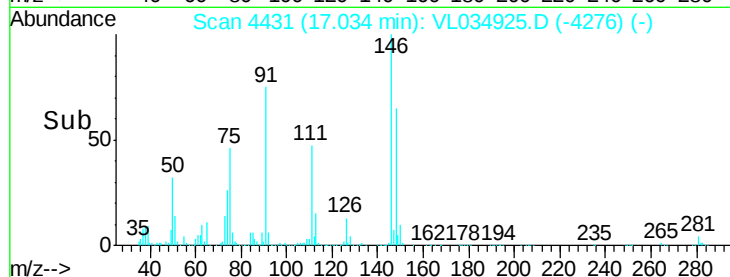
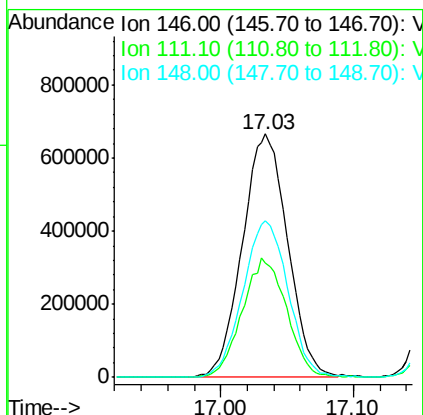
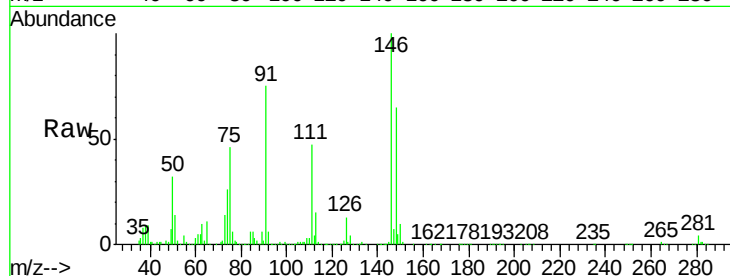




#75
 1,3-Dichlorobenzene
 Concen: 7.304 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. -0.00 min
 Lab File: VL034925.D
 Acq: 17 Mar 2020 21:22

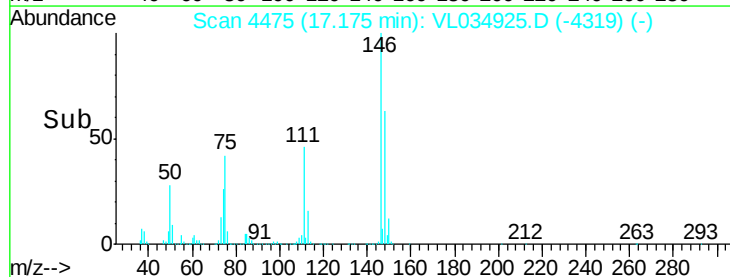
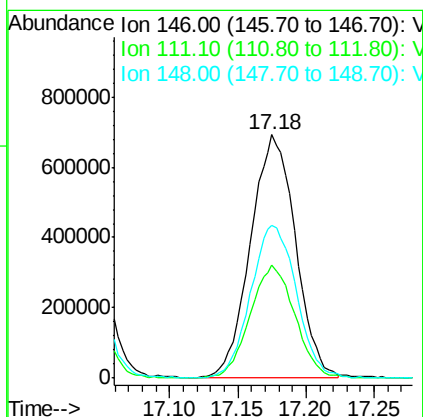
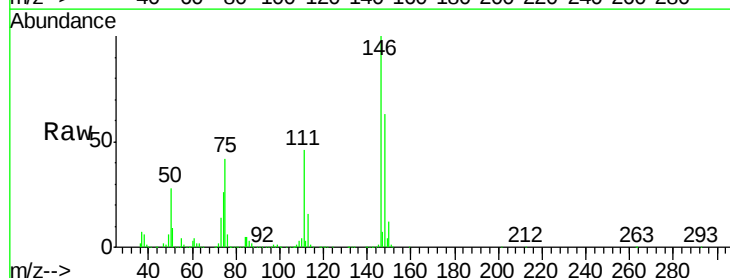
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

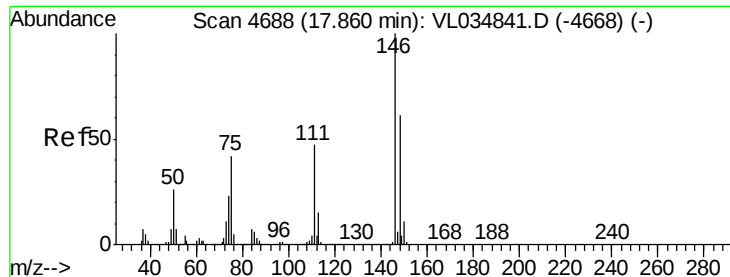
Tgt Ion:146 Resp: 1572432
 Ion Ratio Lower Upper
 146 100
 111 48.4 23.9 71.7
 148 64.5 32.5 97.5



#76
 1,4-Dichlorobenzene
 Concen: 7.336 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. -0.00 min
 Lab File: VL034925.D
 Acq: 17 Mar 2020 21:22

Tgt Ion:146 Resp: 1576019
 Ion Ratio Lower Upper
 146 100
 111 47.1 23.4 70.2
 148 64.4 32.3 96.9

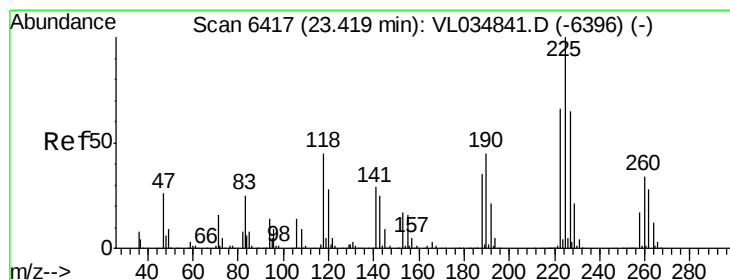
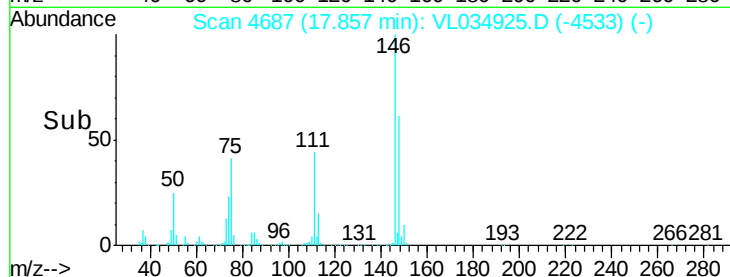
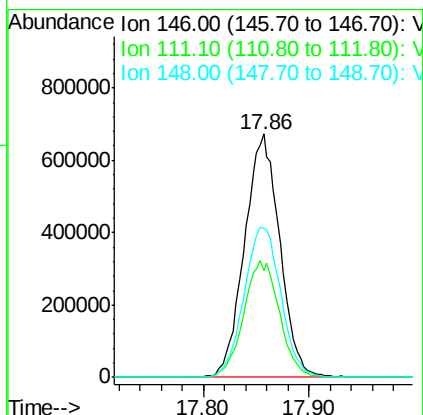
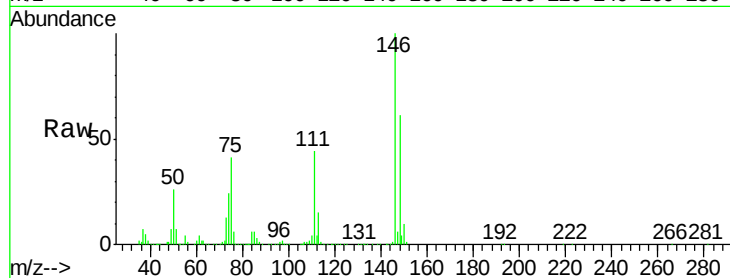




#77
 1,2-Dichlorobenzene
 Concen: 7.503 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.00 min
 Lab File: VL034925.D
 Acq: 17 Mar 2020 21:22

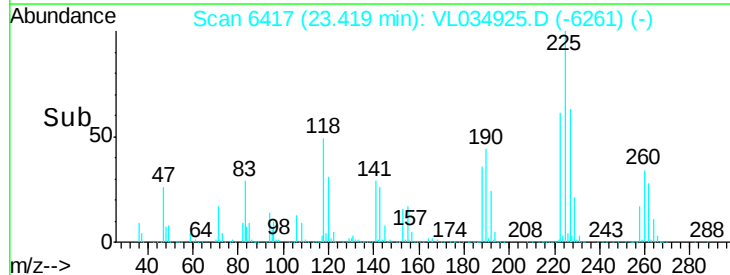
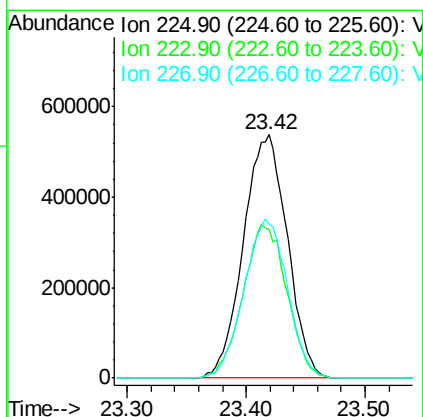
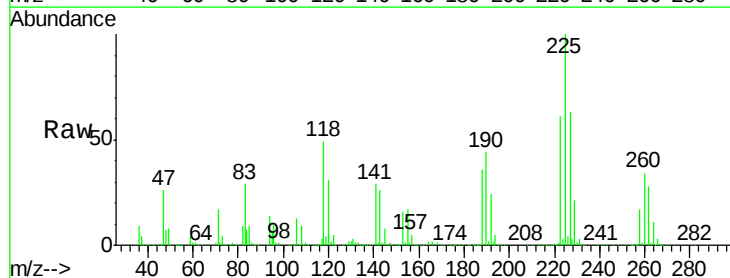
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

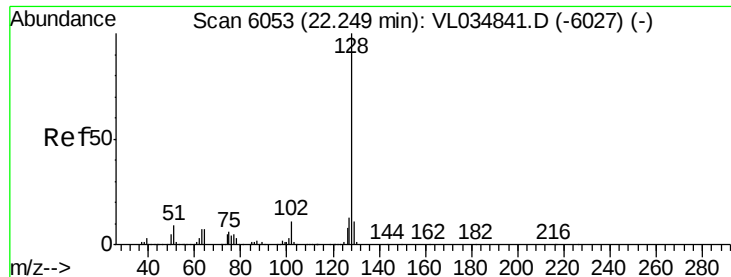
Tgt Ion:146 Resp: 1565692
 Ion Ratio Lower Upper
 146 100
 111 48.6 23.8 71.4
 148 64.2 31.6 94.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.879 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. -0.00 min
 Lab File: VL034925.D
 Acq: 17 Mar 2020 21:22

Tgt Ion:225 Resp: 1373202
 Ion Ratio Lower Upper
 225 100
 223 63.0 51.1 76.7
 227 64.7 51.8 77.6





#79

Naphthalene

Concen: 9.719 ppbv

RT: 22.25 min Scan# 6053

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

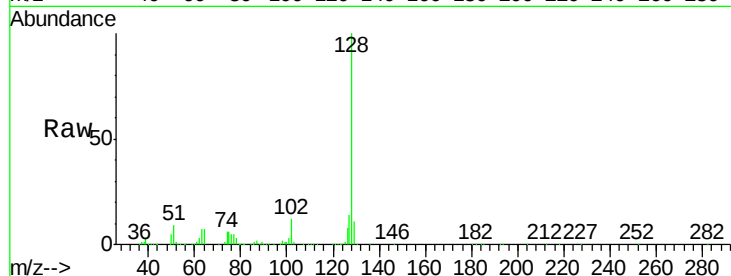
Tgt Ion:128 Resp: 2706069

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.2

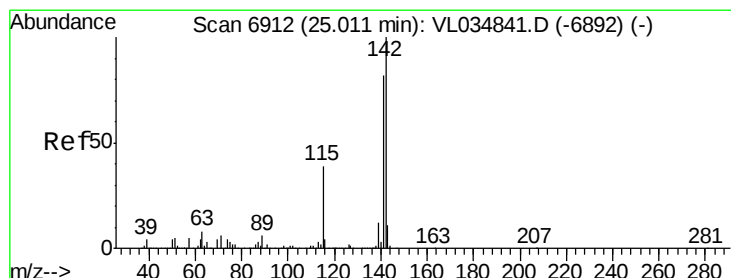
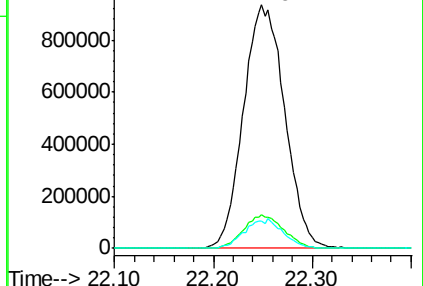
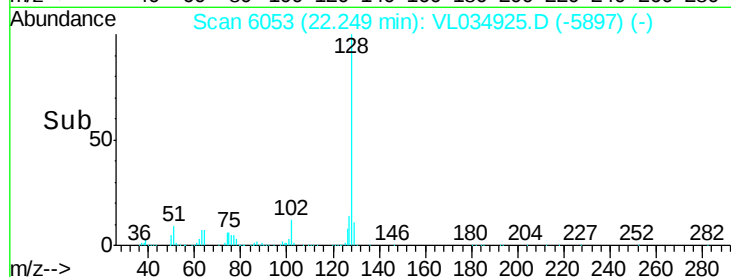
129 11.4 8.6 13.0



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: 13.851 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. -0.00 min

Lab File: VL034925.D

Acq: 17 Mar 2020 21:22

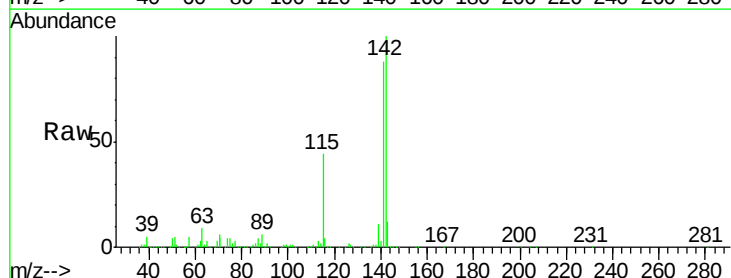
Tgt Ion:142 Resp: 1007803

Ion Ratio Lower Upper

142 100

141 84.9 68.9 103.3

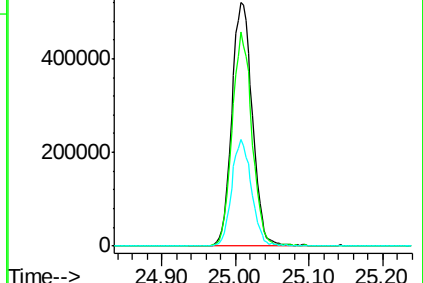
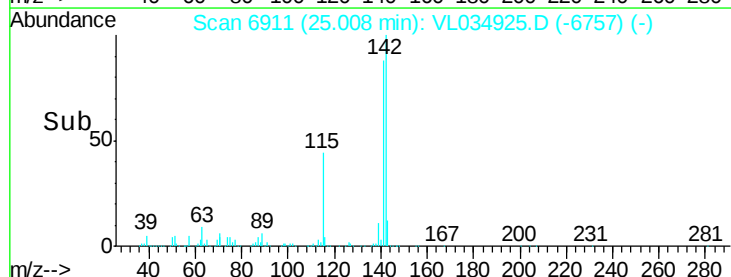
115 42.3 33.2 49.8

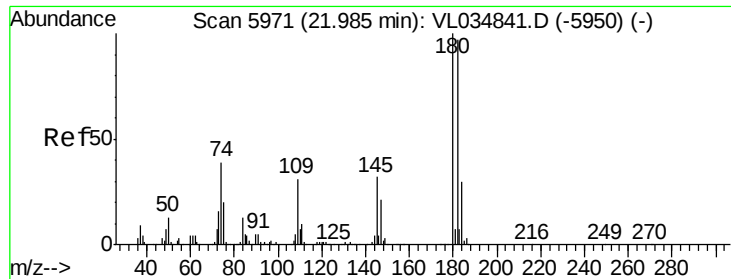


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 4.415 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. -0.00 min
 Lab File: VL034925.D
 Acq: 17 Mar 2020 21:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 780959
 Ion Ratio Lower Upper
 180 100
 182 191.1 76.6 115.0#
 184 61.2 25.0 37.4#

