

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
 Data File : VL034885.D
 Acq On : 16 Mar 2020 10:17
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Mar 17 04:24:50 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	5.65	49	1006000	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2175548	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2325428	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1818350	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1096191	7.957	ppbv	100
3) Chlorodifluoromethane	2.94	51	1082109	9.629	ppbv	98
4) Chloromethane	3.10	50	618087	9.732	ppbv	97
5) Vinyl Chloride	3.21	62	608006	9.957	ppbv	93
6) Bromomethane	3.44	94	359623	10.117	ppbv	98
7) Chloroethane	3.52	64	224610	10.186	ppbv	100
8) Dichlorotetrafluoroethane	3.14	85	1361150	9.514	ppbv	95
9) Propene	2.97	41	491417	9.159	ppbv	99
10) Heptane	8.12	43	1342672	10.168	ppbv	100
11) Trichlorofluoromethane	3.92	101	1404468	9.583	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	983867	9.592	ppbv	95
13) Ethanol	3.56	45	123348	7.562	ppbv	94
14) Bromoethene	3.70	108	432614	9.766	ppbv	100
15) Acetone	3.81	43	1129772	8.665	ppbv	99
16) 1,3-Butadiene	3.29	39	567099	9.618	ppbv	99
17) tert-Butyl alcohol	4.26	59	996801	7.935	ppbv	99
18) 1,1-Dichloroethene	4.26	96	445031	9.797	ppbv	97
19) Isopropyl Alcohol	3.93	45	675347	8.202	ppbv #	41
20) Methylene Chloride	4.31	84	389178	9.440	ppbv	98
21) Allyl Chloride	4.38	41	782671	9.346	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	439709	9.541	ppbv	96
23) Vinyl Acetate	5.05	43	1779828	9.241	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1246668	9.655	ppbv	99
25) Ethyl Acetate	5.66	43	2197073	9.458	ppbv	99
26) Hexane	5.67	57	972080	9.718	ppbv	98
27) Carbon Disulfide	4.52	76	1171272	10.319	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1507952	9.061	ppbv	99
29) Chloroform	5.74	83	1506583	9.871	ppbv	96
30) Cyclohexane	7.13	84	828728	9.930	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	984371	9.623	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	1467244	9.866	ppbv	99
34) 2-Butanone	5.22	43	1461276	10.107	ppbv	99
35) Carbon Tetrachloride	7.01	117	1505886	11.129	ppbv	99
36) Benzene	6.88	78	1941953	10.014	ppbv	96
37) 1,2-Dichloroethane	6.30	62	1177640	10.770	ppbv	98
38) Trichloroethene	7.84	130	729861	9.910	ppbv	93
39) 1,2-Dichloropropane	7.61	63	774993	10.087	ppbv	98
40) 1,4-Dioxane	7.83	88	254818	8.782	ppbv #	91
41) Tetrahydrofuran	6.03	42	813302	10.396	ppbv	99
42) Bromodichloromethane	7.79	83	1625896	10.910	ppbv	99
43) Methyl Methacrylate	8.01	69	878475	10.753	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
 Data File : VL034885.D
 Acq On : 16 Mar 2020 10:17
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Mar 17 04:24:50 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)
44) 2,2,4-Trimethylpentane	7.86	57	3411843	10.412	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1020423	10.631	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1195538	10.482	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	820456	10.406	ppbv	95
48) Dibromochloromethane	10.32	129	1358151	10.636	ppbv	98
49) Bromoform	13.06	173	1202012	10.558	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2221821	10.676	ppbv	100
51) 2-Hexanone	10.14	43	1839820	10.878	ppbv #	99
52) Tetrachloroethene	11.24	164	703141	9.165	ppbv	95
53) Toluene	9.82	91	2298300	10.263	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1242543	10.469	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1015715	9.724	ppbv	98
57) Chlorobenzene	12.16	112	1708825	9.392	ppbv	96
58) Ethyl Benzene	12.73	91	3151315	10.007	ppbv	99
59) m/p-Xylene	13.01	91	2707472	10.262	ppbv #	39
60) o-Xylene	13.71	91	2546249	9.885	ppbv	99
61) Styrene	13.55	104	1860544	10.292	ppbv	98
62) Isopropylbenzene	14.69	105	3745626	9.616	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1819876	10.406	ppbv	99
64) n-propylbenzene	15.59	120	988977	9.755	ppbv	90
65) tert-Butylbenzene	16.77	119	3271686	9.608	ppbv	97
66) Benzyl Chloride	17.02	91	1350865	9.514	ppbv	96
67) sec-Butylbenzene	17.32	105	4704330	9.964	ppbv	98
69) p-Isopropyltoluene	17.68	119	3908989	9.874	ppbv	99
70) n-Butylbenzene	18.58	91	4201845	10.402	ppbv	99
71) 2-Chlorotoluene	15.48	91	2943932	9.980	ppbv	98
72) 4-Ethyltoluene	15.87	105	3064785	10.074	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	2877030	10.103	ppbv	96
74) 1,2,4-Trimethylbenzene	16.79	105	2973116	10.133	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	1720922	9.728	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1705516	9.661	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1657421	9.665	ppbv	98
78) Hexachloro-1,3-Butadiene	23.41	225	1371311	9.574	ppbv	99
79) Naphthalene	22.25	128	2828329	12.361	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1147158	19.185	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	1601291	11.015	ppbv	99

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
Data File : VL034885.D
Acq On : 16 Mar 2020 10:17
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

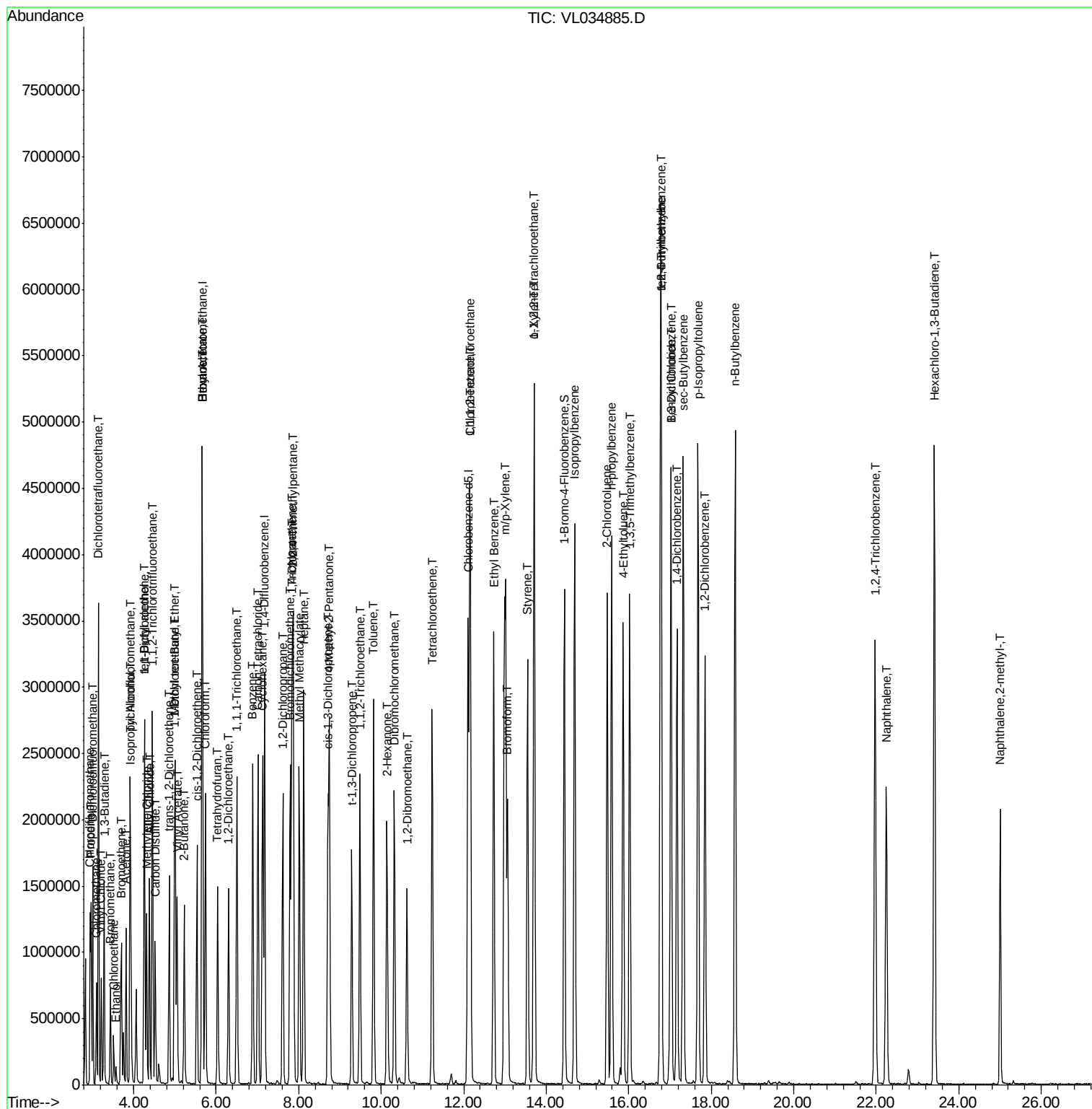
Quant Time: Mar 17 04:24:50 2020

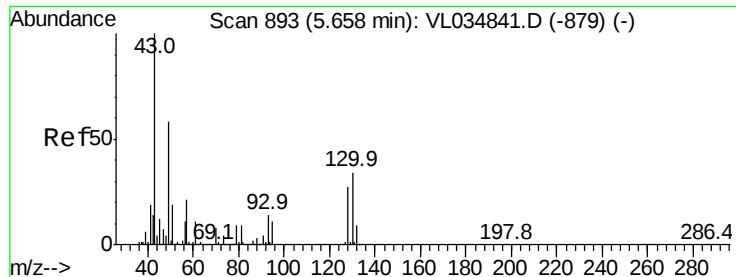
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

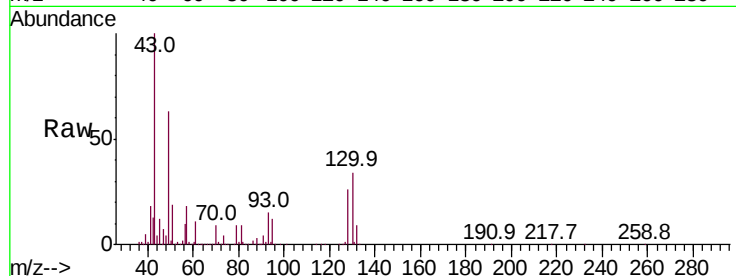
Tot Ion: 49 Resp: 1006000

Ion Ratio Lower Upper

49 100

128 44.2 23.4 70.3

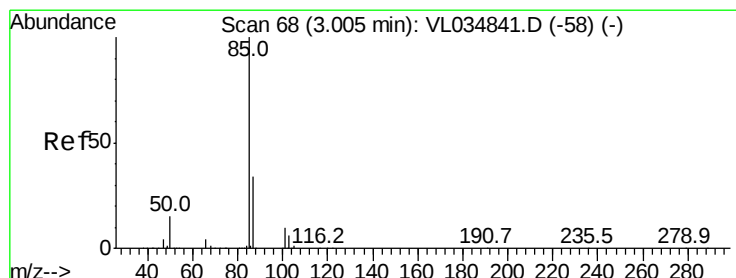
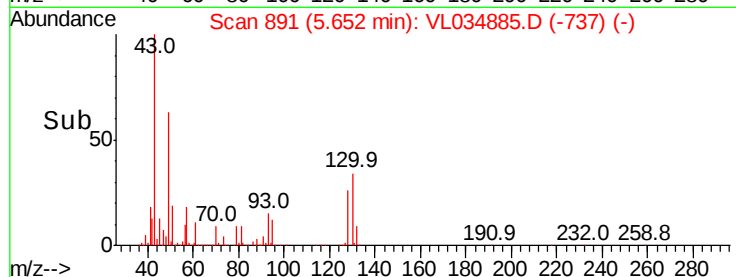
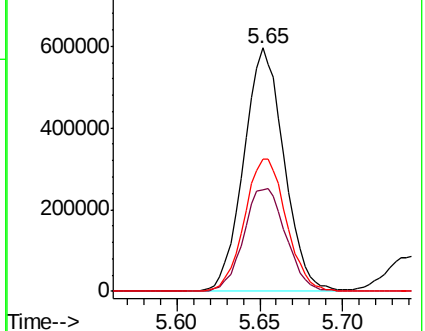
130 56.5 30.0 90.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.957 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL034885.D

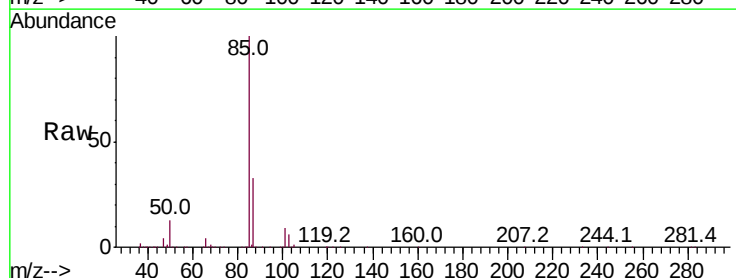
Acq: 16 Mar 2020 10:17

Tgt Ion: 85 Resp: 1096191

Ion Ratio Lower Upper

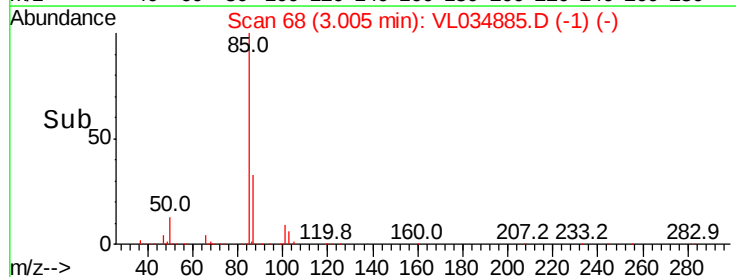
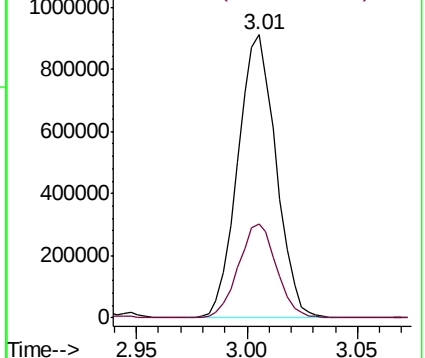
85 100

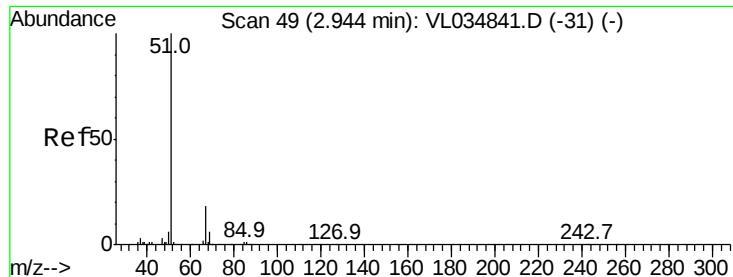
87 33.4 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

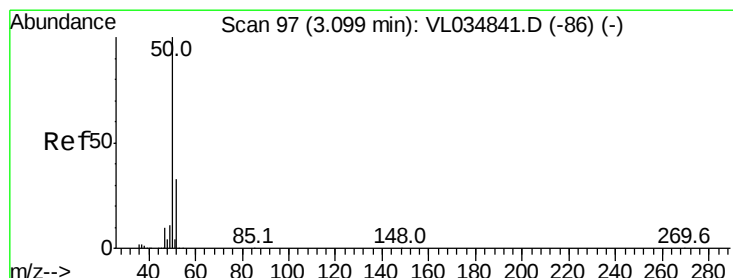
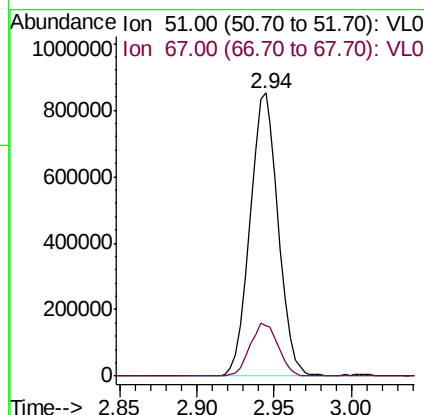
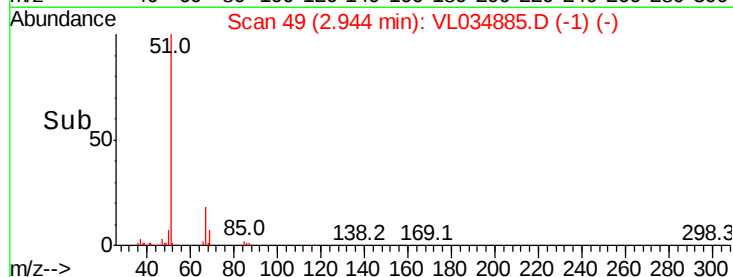
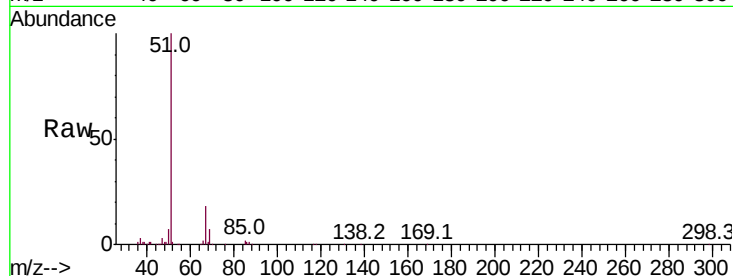




#3
 Chlorodifluoromethane
 Concen: 9.629 ppbv
 RT: 2.94 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

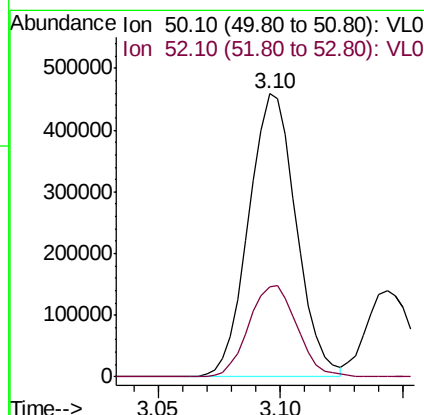
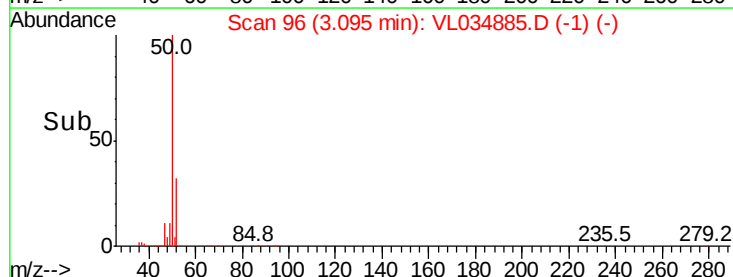
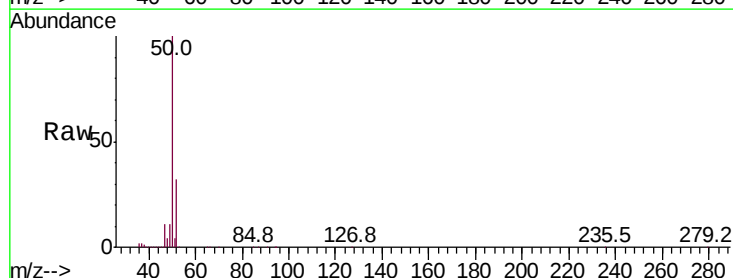
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

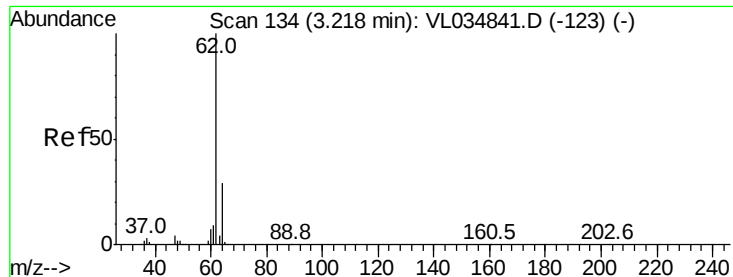
Tot Ion: 51 Resp: 1082109
 Ion Ratio Lower Upper
 51 100
 67 18.9 14.3 21.5



#4
 Chloromethane
 Concen: 9.732 ppbv
 RT: 3.10 min Scan# 96
 Delta R.T. -0.00 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion: 50 Resp: 618087
 Ion Ratio Lower Upper
 50 100
 52 31.8 26.8 40.2





#5

Vinyl Chloride

Concen: 9.957 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

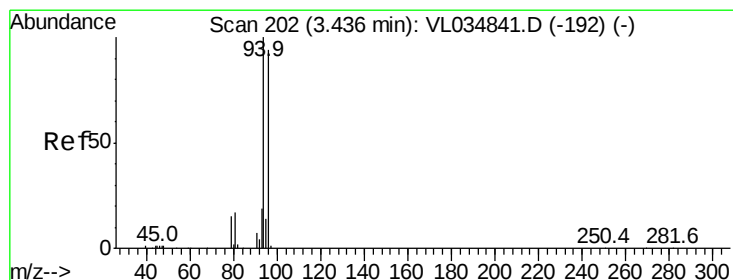
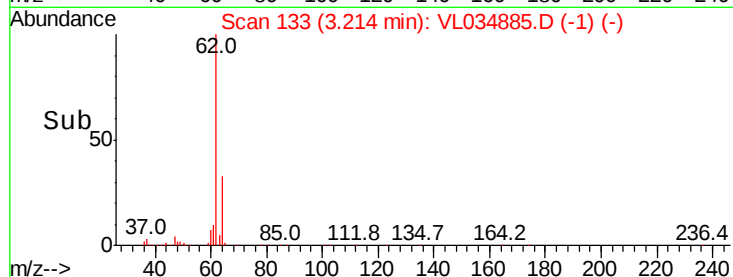
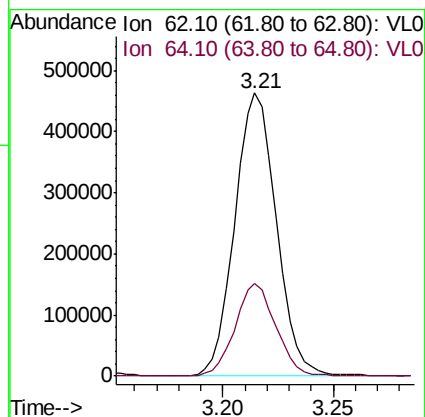
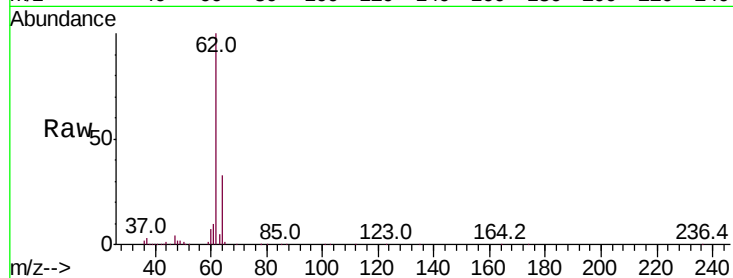
VSTDCCC010

Tot Ion: 62 Resp: 608006

Ion Ratio Lower Upper

62 100

64 32.6 23.0 34.4



#6

Bromomethane

Concen: 10.117 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL034885.D

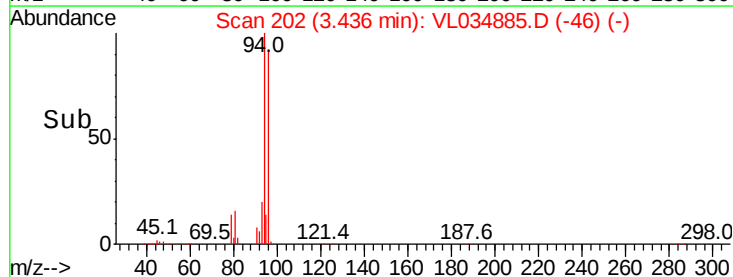
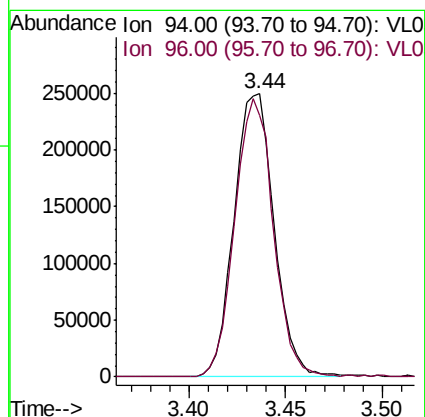
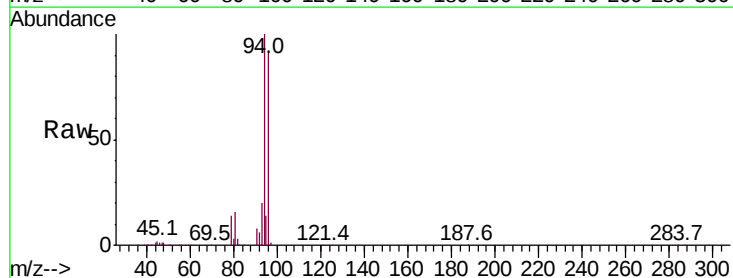
Acq: 16 Mar 2020 10:17

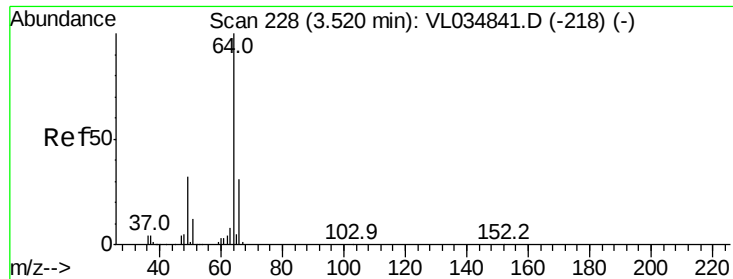
Tgt Ion: 94 Resp: 359623

Ion Ratio Lower Upper

94 100

96 92.4 75.5 113.3





#7

Chloroethane

Concen: 10.186 ppbv

RT: 3.52 min Scan# 227

Delta R.T. -0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

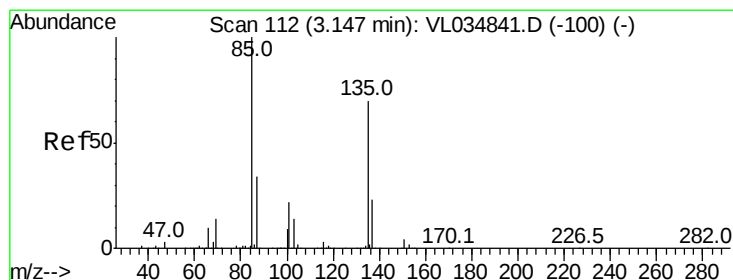
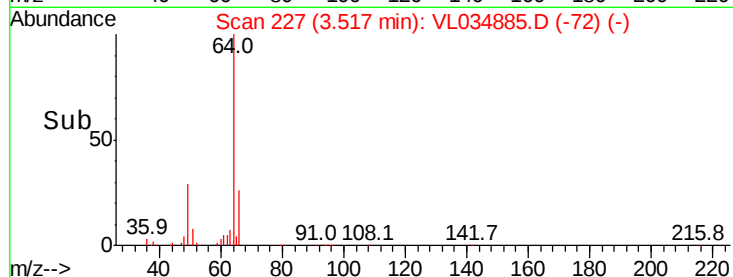
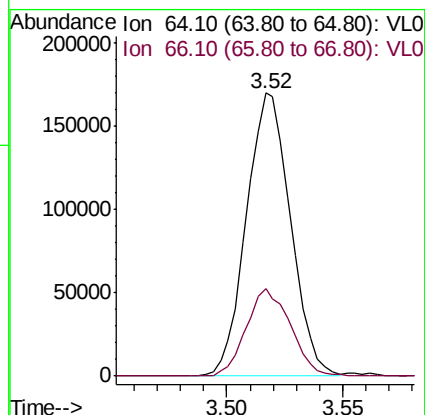
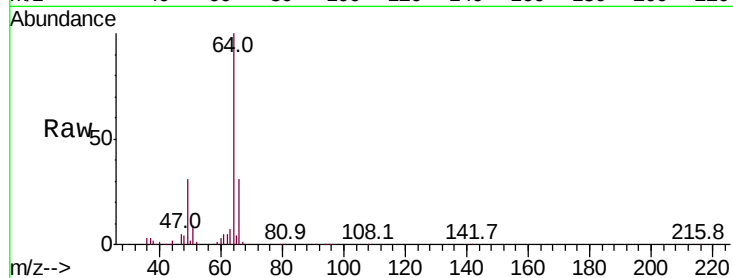
VSTDCCC010

Tot Ion: 64 Resp: 224610

Ion Ratio Lower Upper

64 100

66 31.1 24.8 37.2



#8

Dichlorotetrafluoroethane

Concen: 9.514 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL034885.D

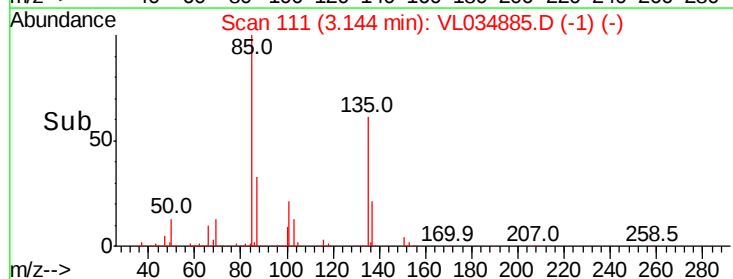
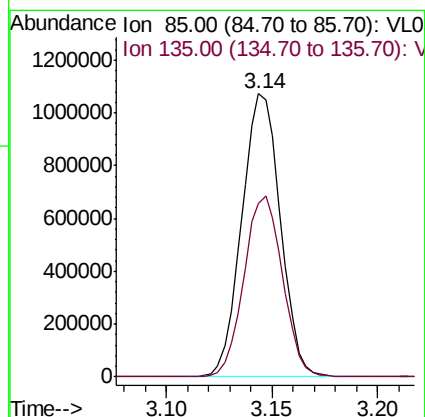
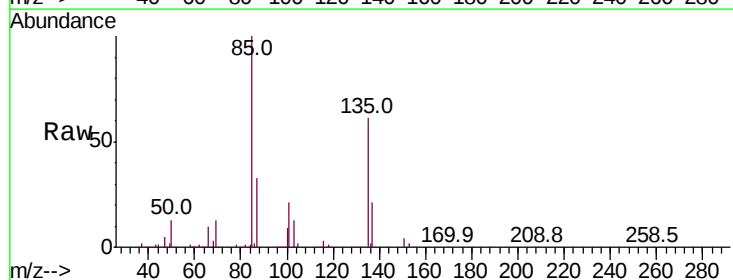
Acq: 16 Mar 2020 10:17

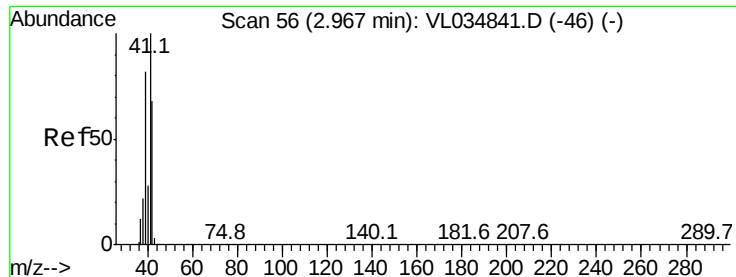
Tgt Ion: 85 Resp: 1361150

Ion Ratio Lower Upper

85 100

135 64.2 54.3 81.5





#9

Propene

Concen: 9.159 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

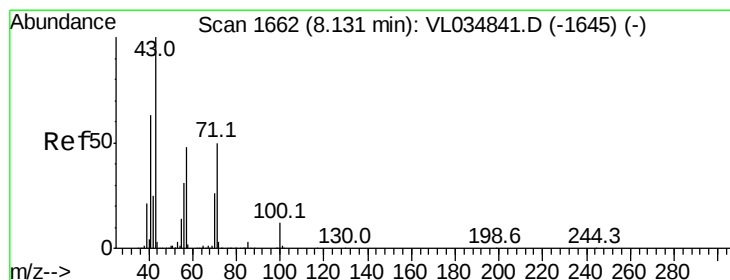
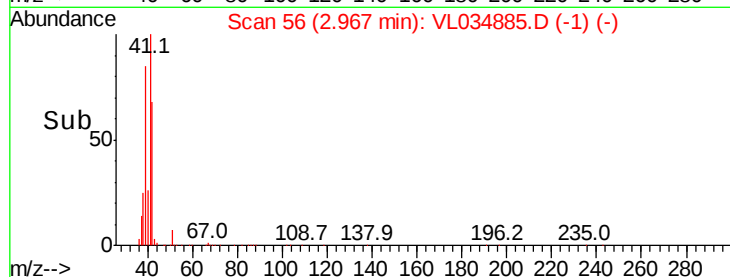
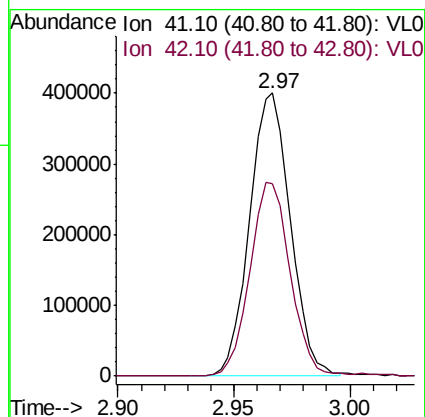
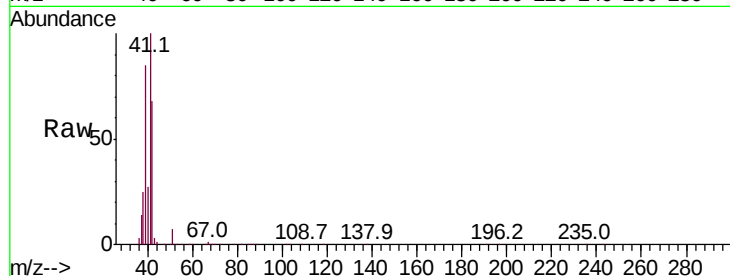
VSTDCCC010

Tot Ion: 41 Resp: 491417

Ion Ratio Lower Upper

41 100

42 68.3 55.2 82.8



#10

Heptane

Concen: 10.168 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL034885.D

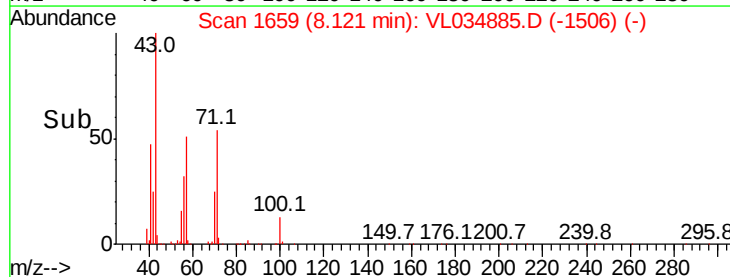
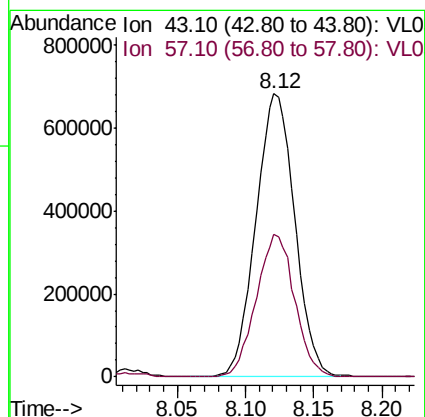
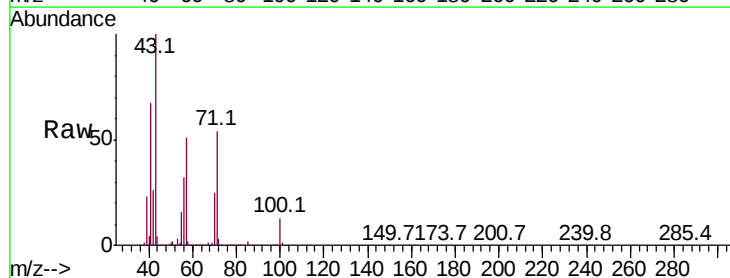
Acq: 16 Mar 2020 10:17

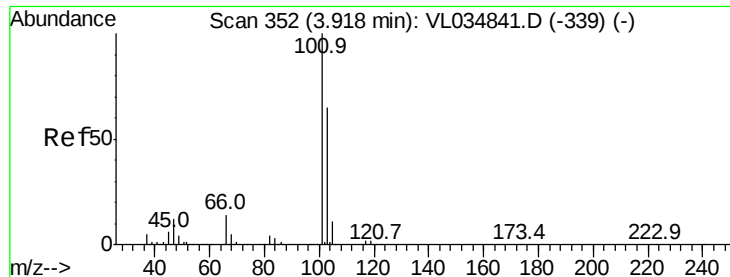
Tgt Ion: 43 Resp: 1342672

Ion Ratio Lower Upper

43 100

57 49.8 39.7 59.5

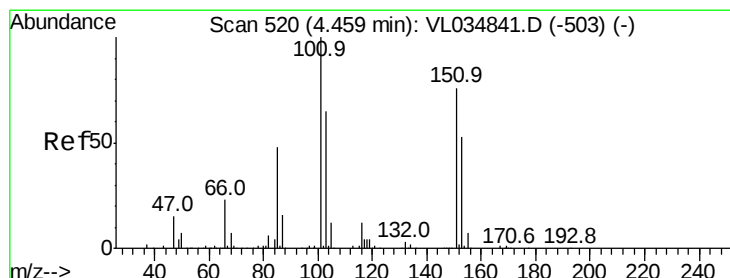
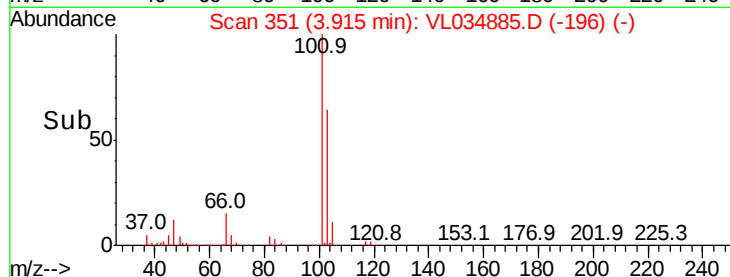
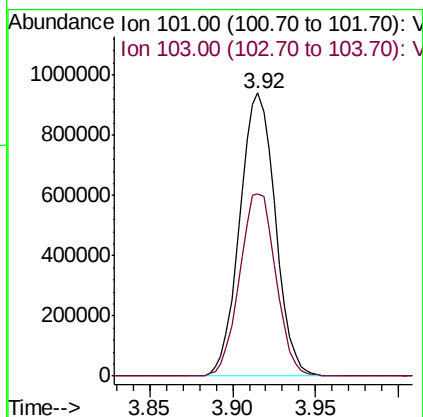
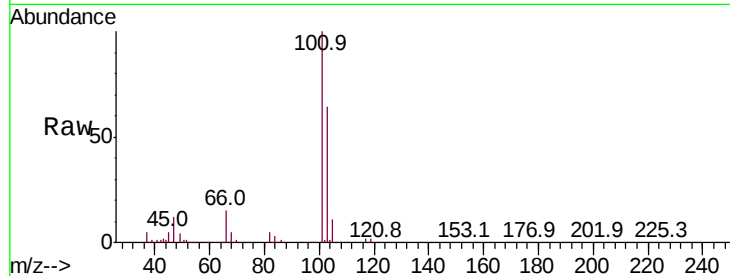




#11
 Trichlorofluoromethane
 Concen: 9.583 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

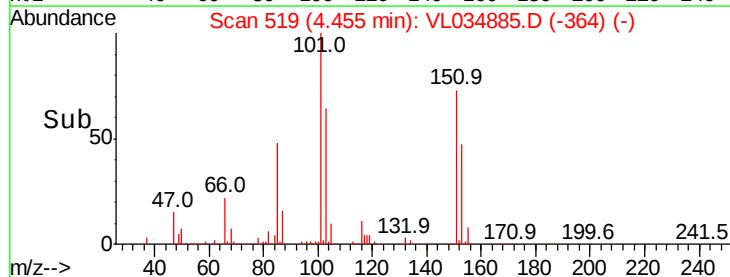
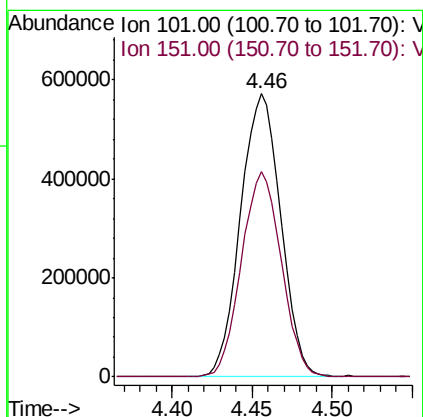
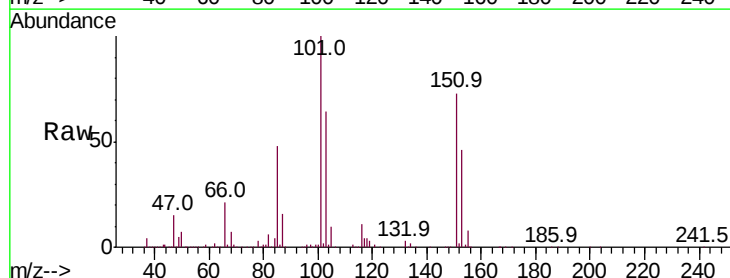
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

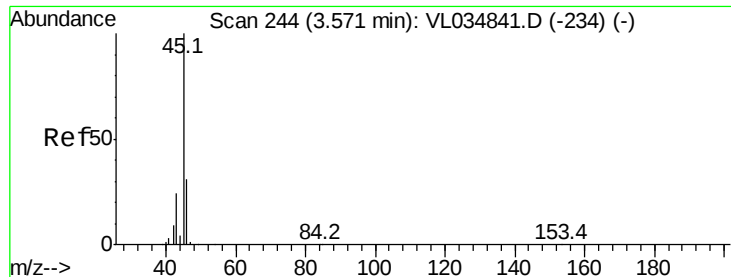
Tot Ion:101 Resp: 1404468
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.592 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.00 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion:101 Resp: 983867
 Ion Ratio Lower Upper
 101 100
 151 72.0 60.8 91.2





#13

Ethanol

Concen: 7.562 ppbv

RT: 3.56 min Scan# 242

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

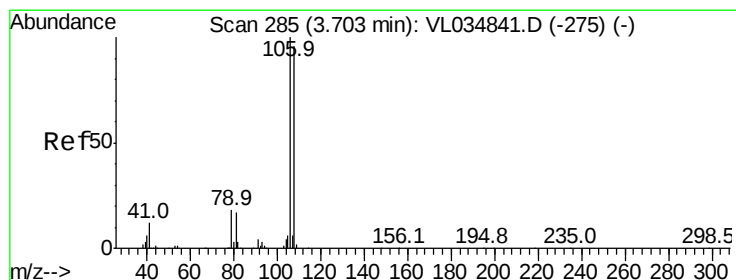
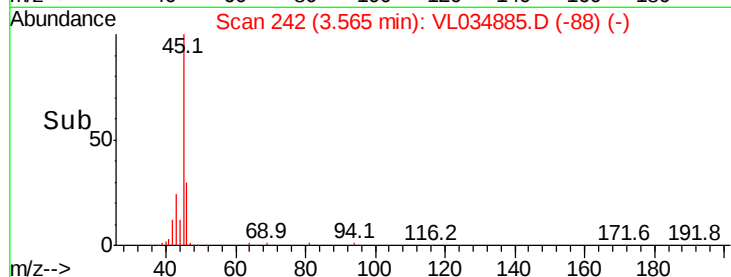
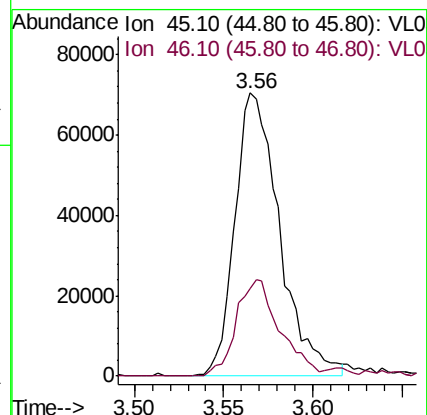
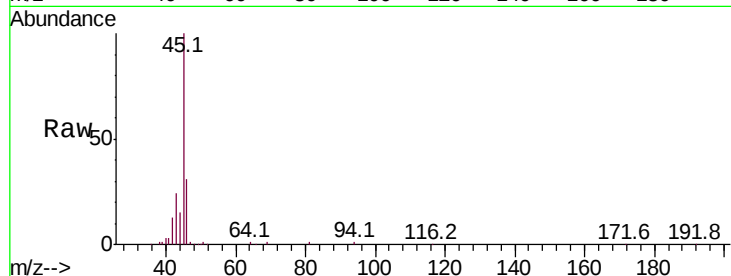
VSTDCCC010

Tot Ion: 45 Resp: 123348

Ion Ratio Lower Upper

45 100

46 36.0 16.0 64.0



#14

Bromoethene

Concen: 9.766 ppbv

RT: 3.70 min Scan# 285

Delta R.T. 0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

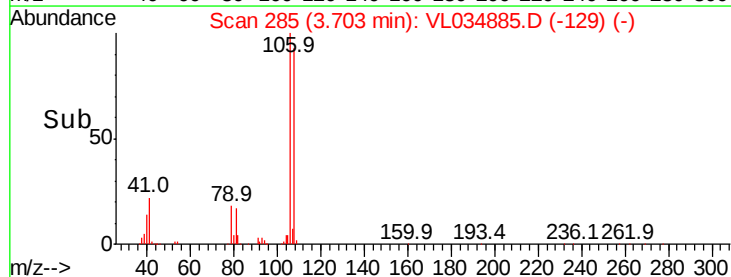
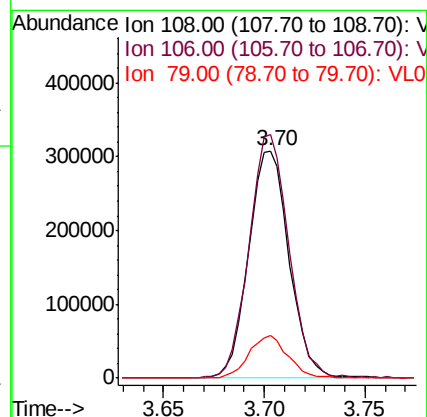
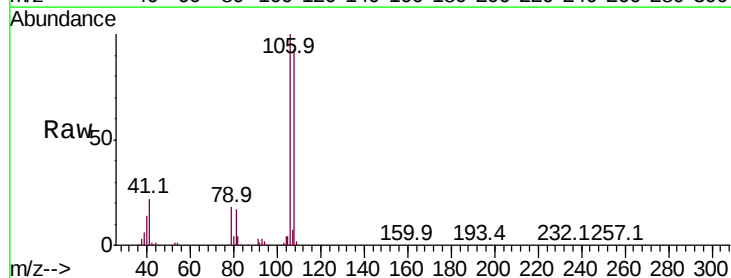
Tgt Ion: 108 Resp: 432614

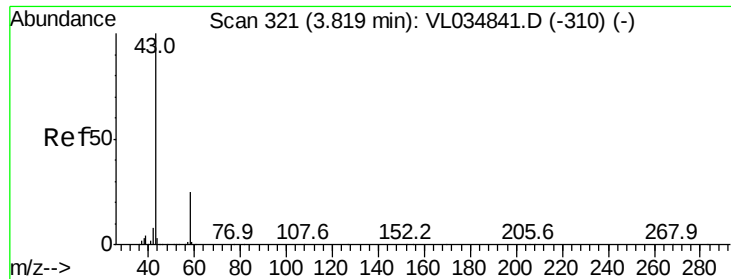
Ion Ratio Lower Upper

108 100

106 106.5 85.1 127.7

79 18.4 14.7 22.1

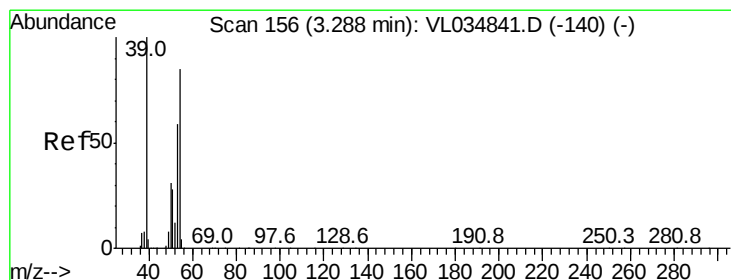
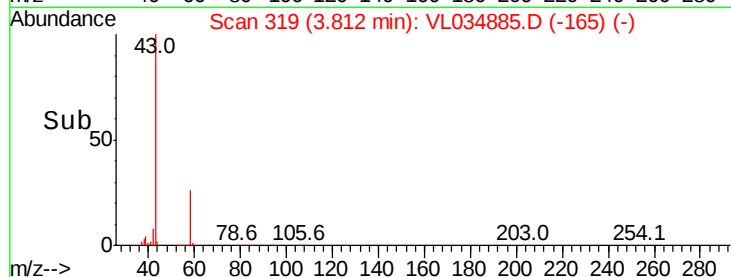
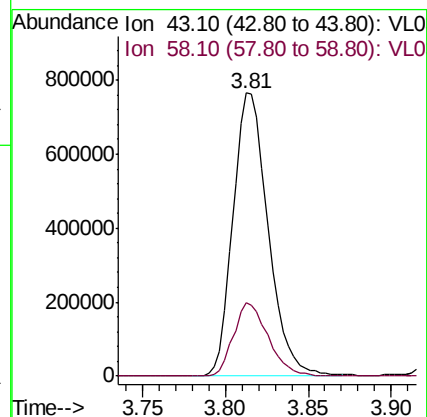
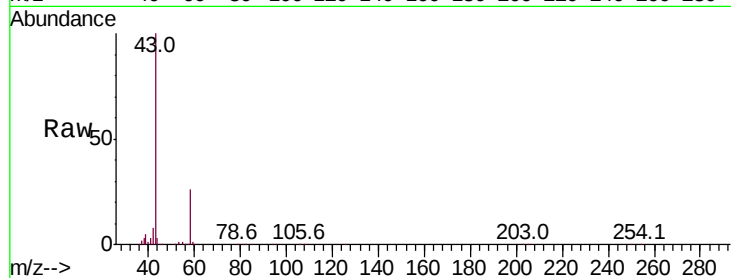




#15
Acetone
Concen: 8.665 ppbv
RT: 3.81 min Scan# 319
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

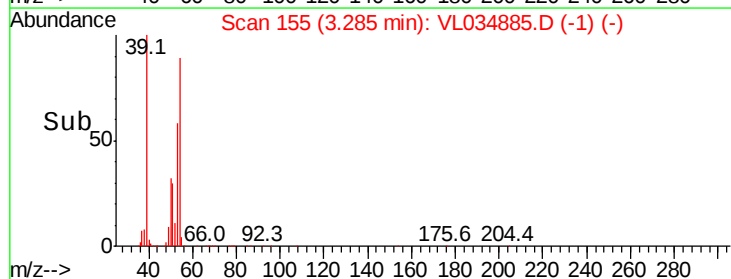
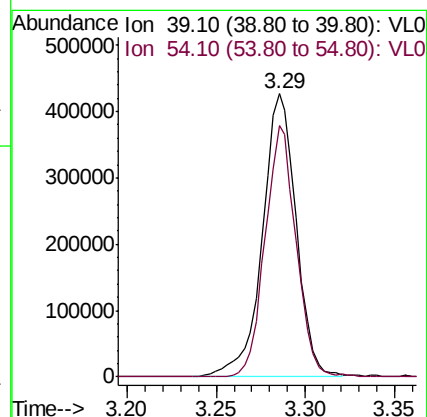
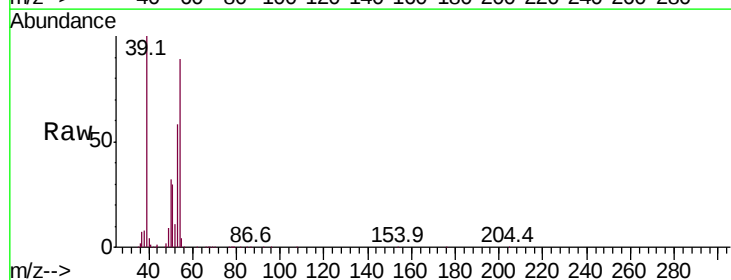
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

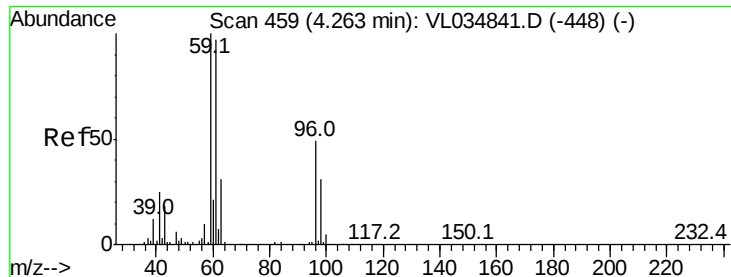
Tot Ion: 43 Resp: 1129772
Ion Ratio Lower Upper
43 100
58 25.7 21.0 31.6



#16
1,3-Butadiene
Concen: 9.618 ppbv
RT: 3.29 min Scan# 155
Delta R.T. -0.00 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion: 39 Resp: 567099
Ion Ratio Lower Upper
39 100
54 82.0 65.0 97.6



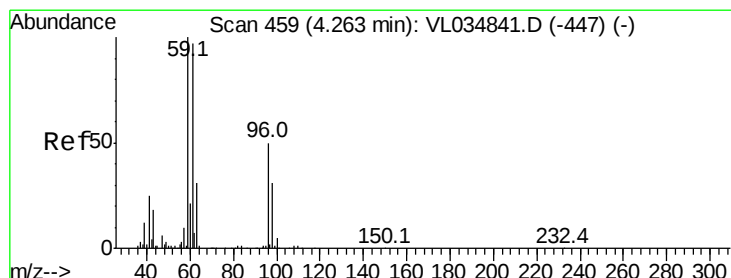
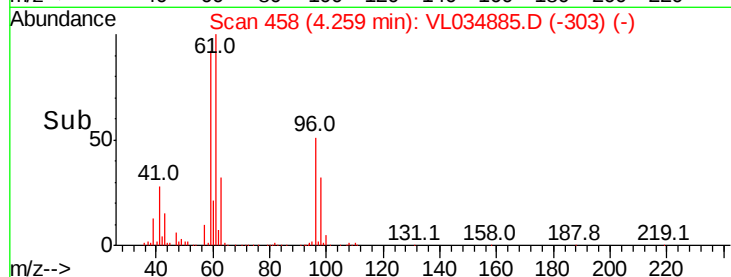
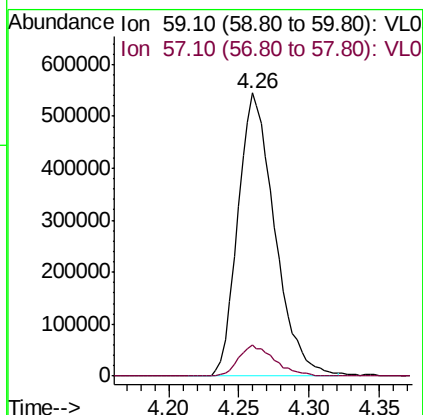
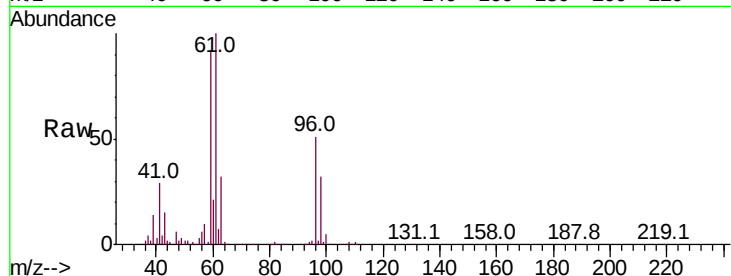


#17

tert-Butyl alcohol
 Concen: 7.935 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

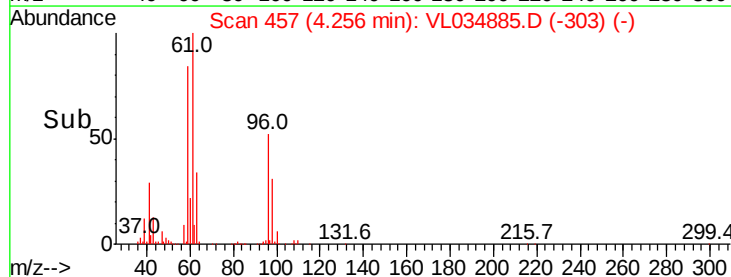
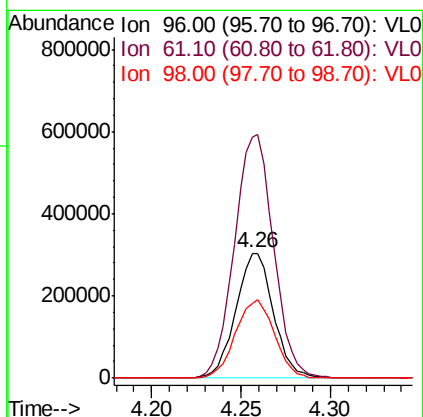
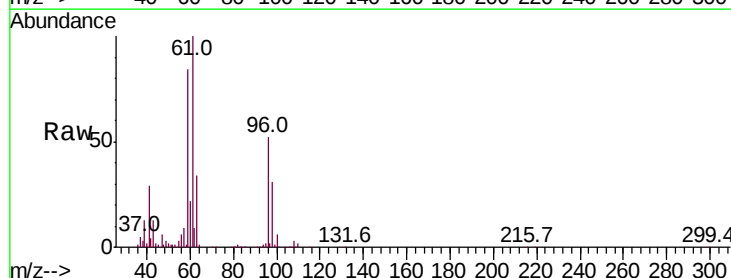
Tot Ion: 59 Resp: 996801
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.3 12.5

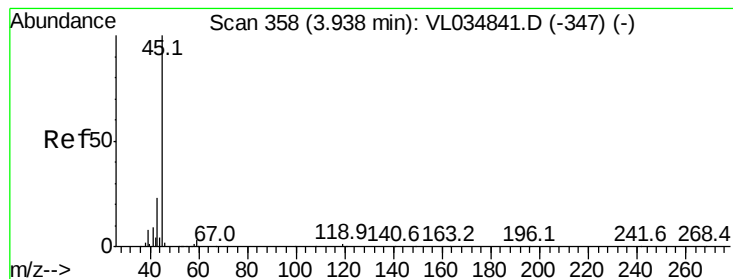


#18

1,1-Dichloroethene
 Concen: 9.797 ppbv
 RT: 4.26 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion: 96 Resp: 445031
 Ion Ratio Lower Upper
 96 100
 61 192.5 157.3 235.9
 98 59.9 50.2 75.4





#19

Isopropyl Alcohol

Concen: 8.202 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

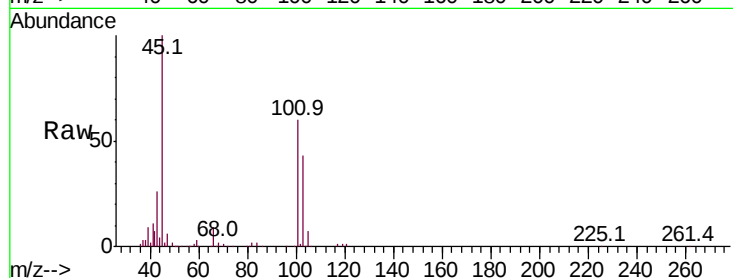
VSTDCCC010

Tot Ion: 45 Resp: 675347

Ion Ratio Lower Upper

45 100

58 2.3 30.5 45.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.93

400000

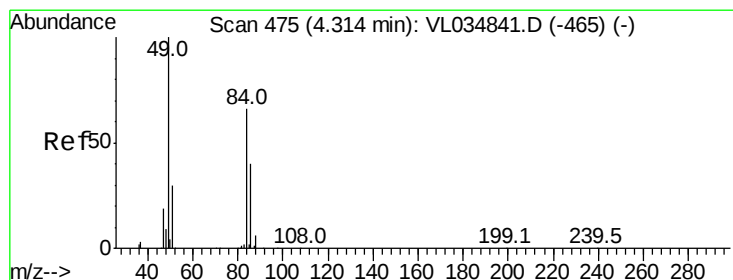
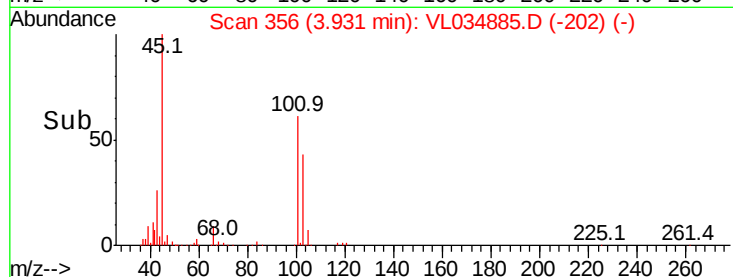
300000

200000

100000

0

Time--> 3.85 3.90 3.95 4.00



#20

Methylene Chloride

Concen: 9.440 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Tgt Ion: 84 Resp: 389178

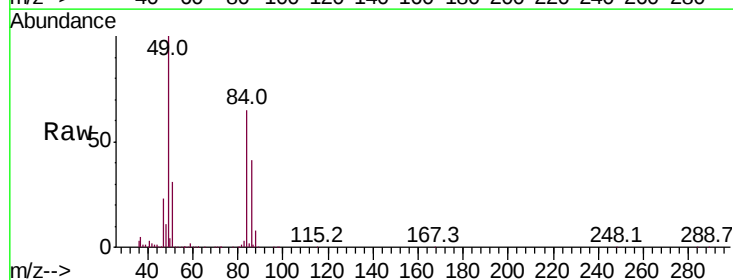
Ion Ratio Lower Upper

84 100

49 152.9 121.5 182.3

51 47.0 36.6 55.0

86 63.5 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

600000

500000

400000

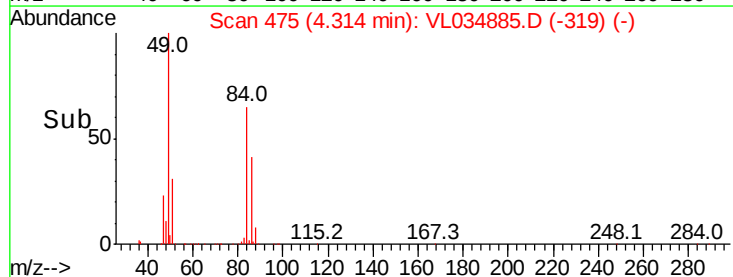
300000

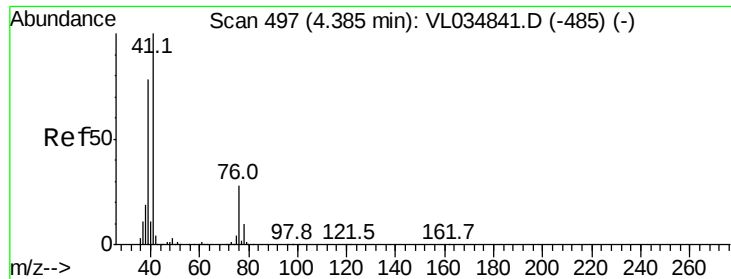
200000

100000

0

Time--> 4.25 4.30 4.35

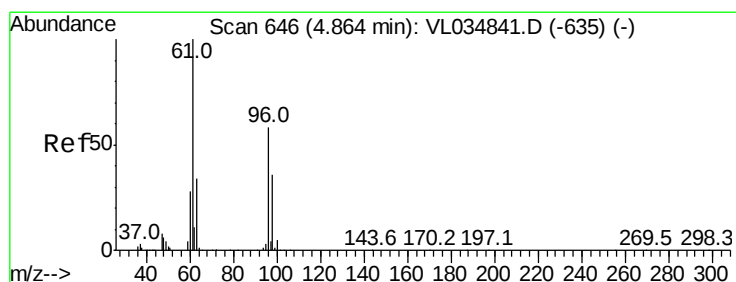
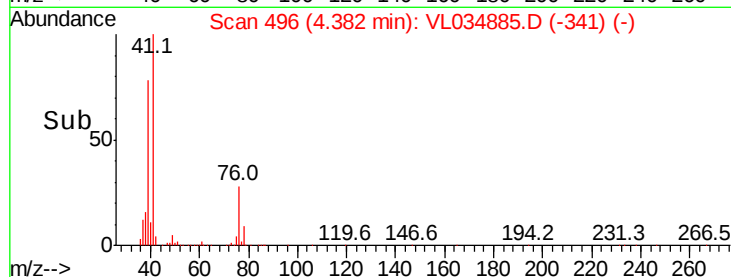
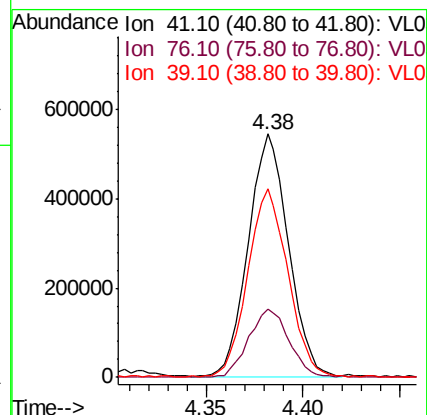
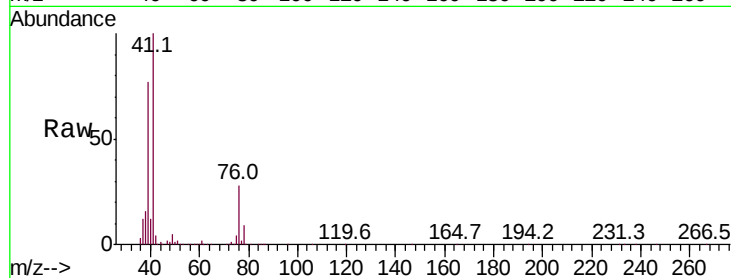




#21
Allvl Chloride
Concen: 9.346 ppbv
RT: 4.38 min Scan# 496
Delta R.T. -0.00 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

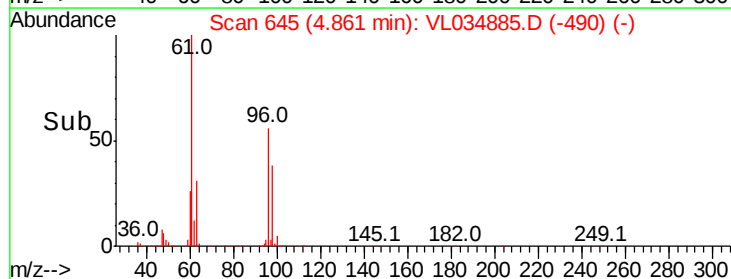
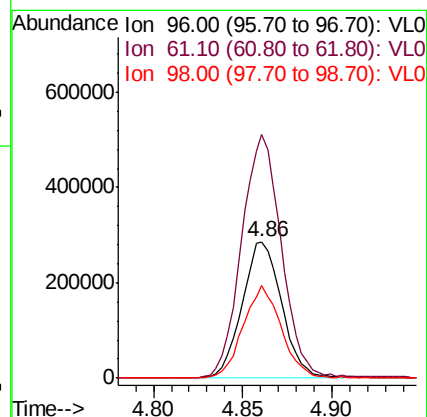
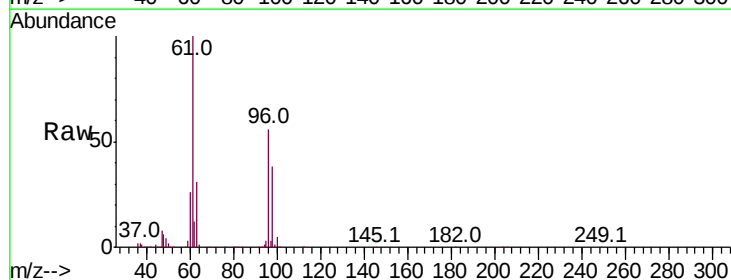
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

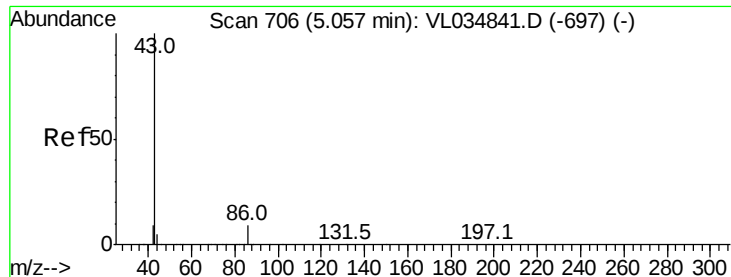
Tot Ion: 41 Resp: 782671
Ion Ratio Lower Upper
41 100
76 28.7 22.2 33.2
39 78.2 62.6 93.8



#22
trans-1,2-Dichloroethene
Concen: 9.541 ppbv
RT: 4.86 min Scan# 645
Delta R.T. -0.00 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion: 96 Resp: 439709
Ion Ratio Lower Upper
96 100
61 178.9 139.0 208.6
98 68.1 50.3 75.5





#23

Vinyl Acetate

Concen: 9.241 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1779828

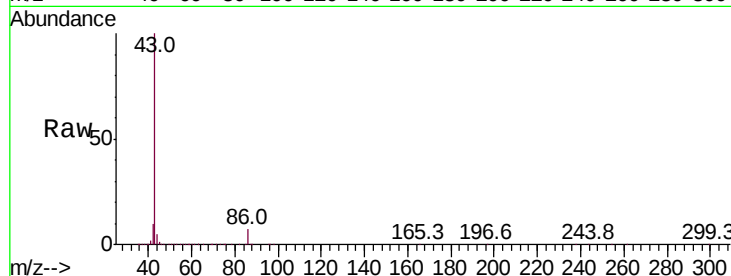
Ion	Ratio	Lower	Upper
43	100		
86	7.4	6.3	9.5
42	10.1	7.8	11.8
44	5.0	4.0	6.0

43 100

86 7.4 6.3 9.5

42 10.1 7.8 11.8

44 5.0 4.0 6.0

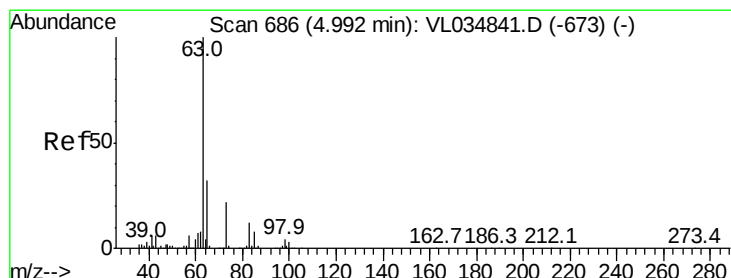
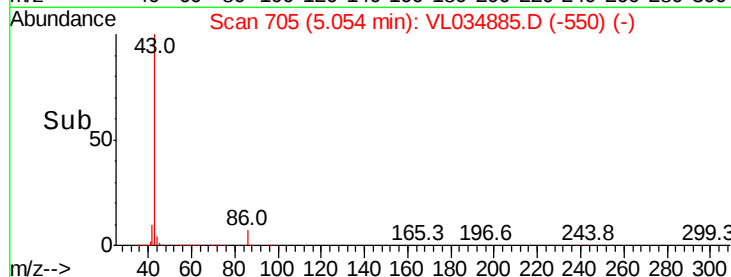
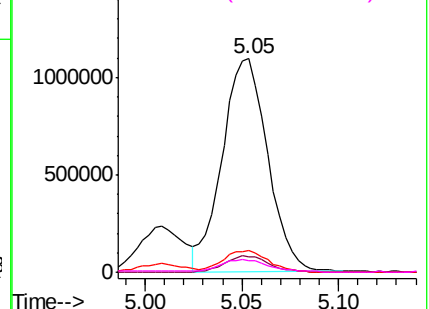


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.655 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

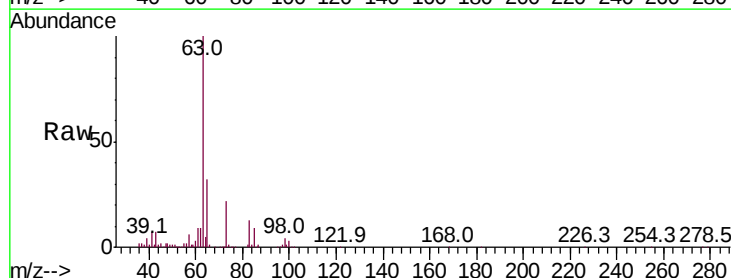
Tgt Ion: 63 Resp: 1246668

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.0	5.8
100	2.9	1.4	4.0

63 100

98 4.2 2.0 5.8

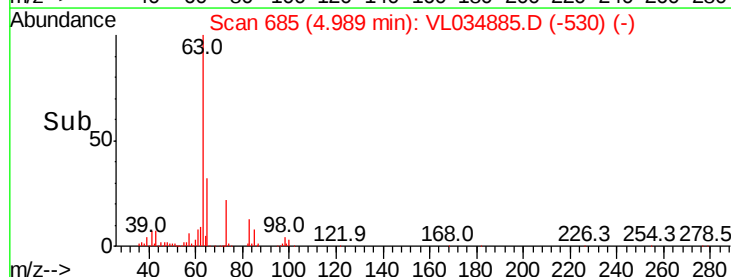
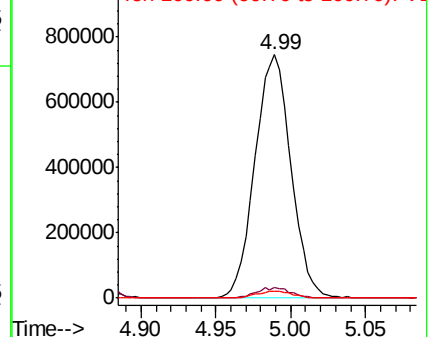
100 2.9 1.4 4.0

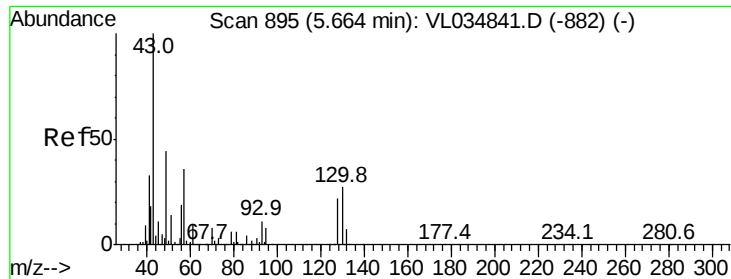


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



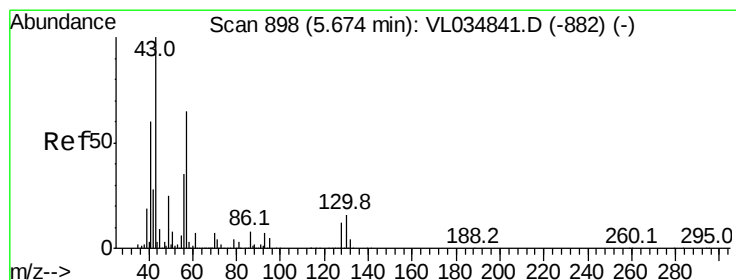
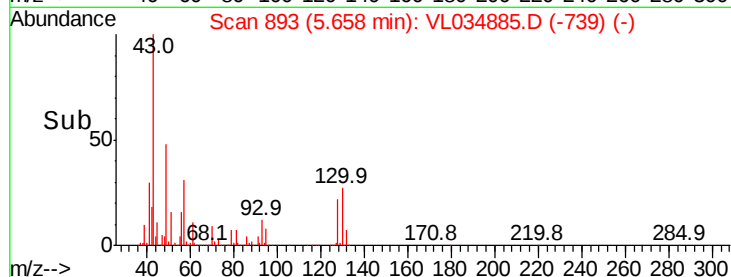
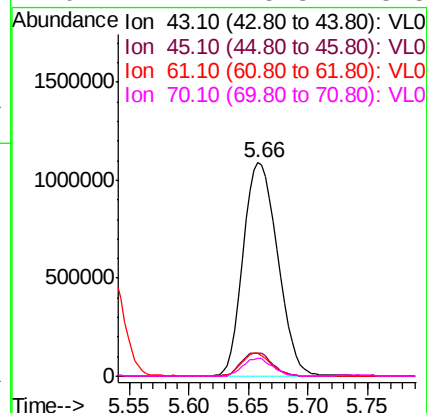
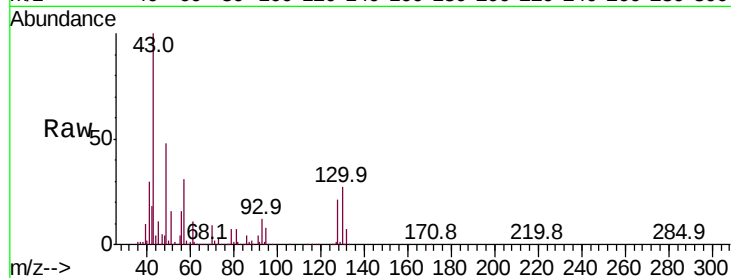


#25
Ethyl Acetate
Concen: 9.458 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2197073

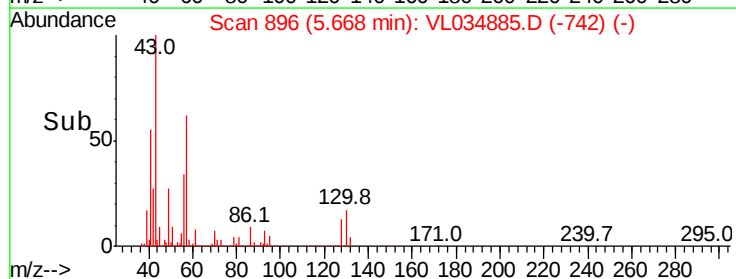
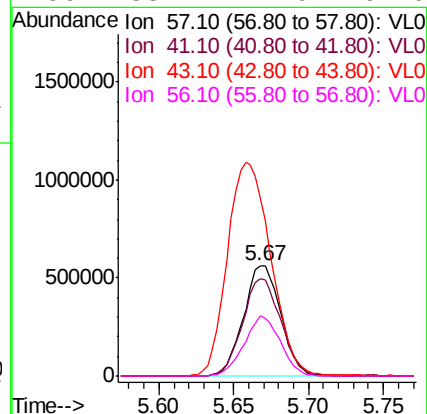
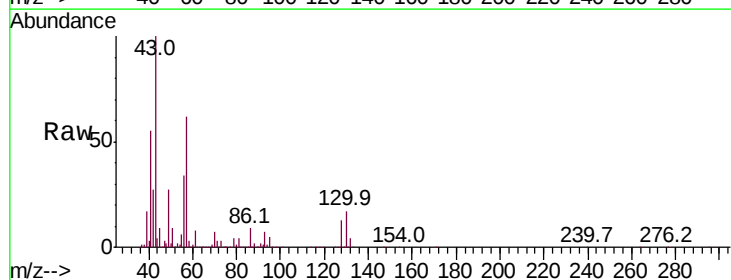
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.2
61	9.4	7.8	11.6
70	7.4	5.8	8.8

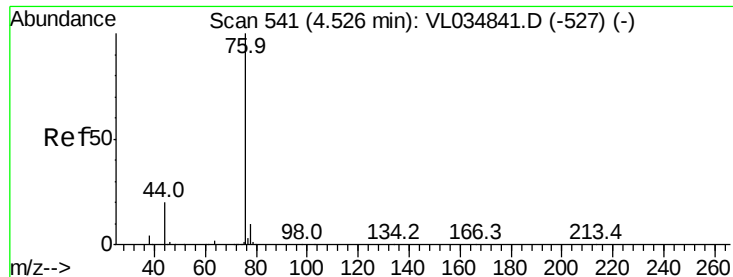


#26
Hexane
Concen: 9.718 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion: 57 Resp: 972080

Ion	Ratio	Lower	Upper
57	100		
41	91.4	72.6	109.0
43	226.3	183.8	275.6
56	53.4	41.9	62.9





#27

Carbon Disulfide

Concen: 10.319 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

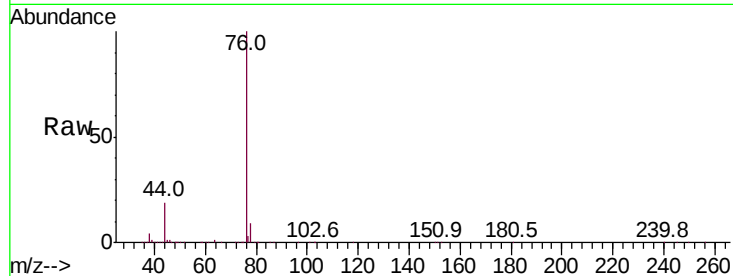
Tot Ion: 76 Resp: 1171272

Ion Ratio Lower Upper

76 100

44 19.6 16.2 24.2

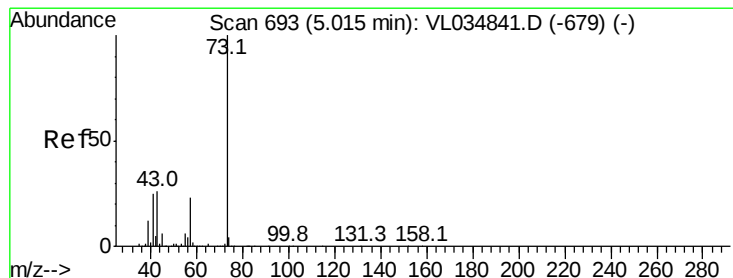
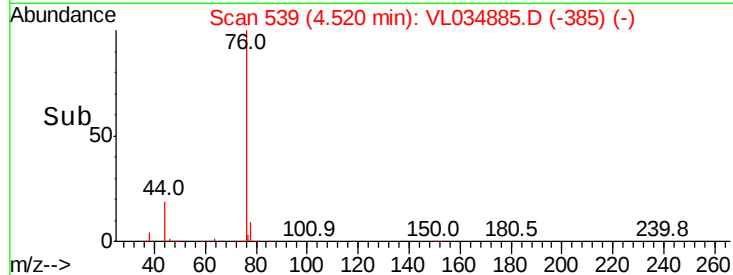
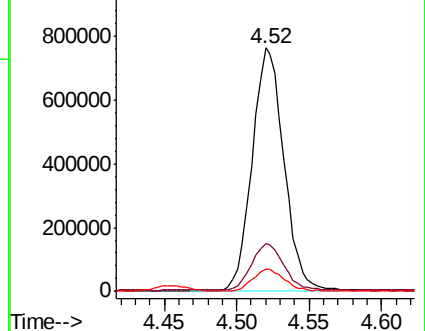
78 9.3 7.8 11.6



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: 9.061 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL034885.D

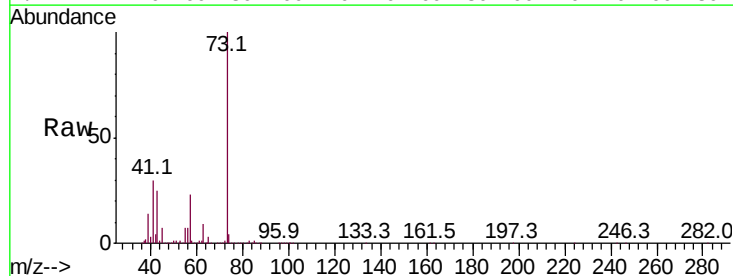
Acq: 16 Mar 2020 10:17

Tgt Ion: 73 Resp: 1507952

Ion Ratio Lower Upper

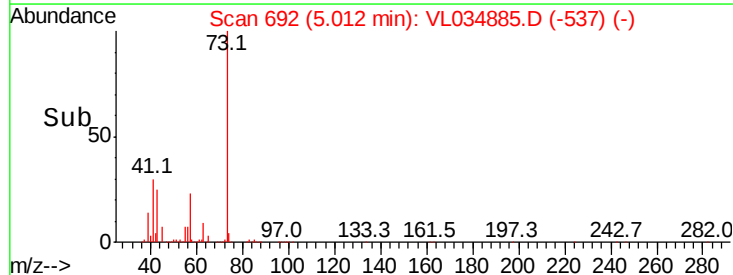
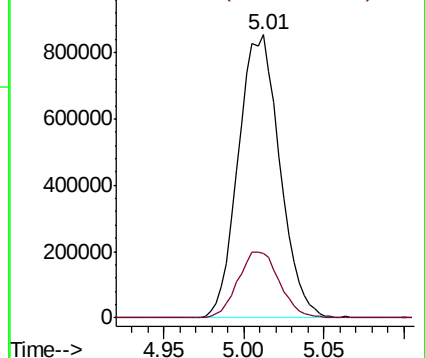
73 100

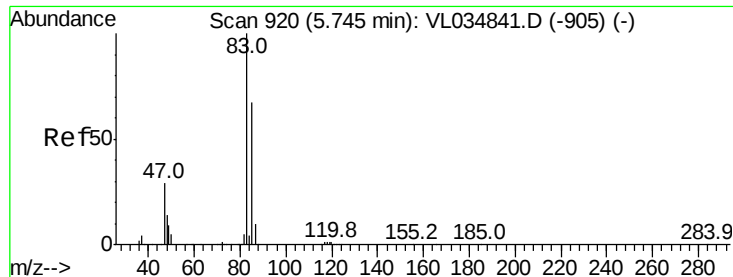
57 23.6 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

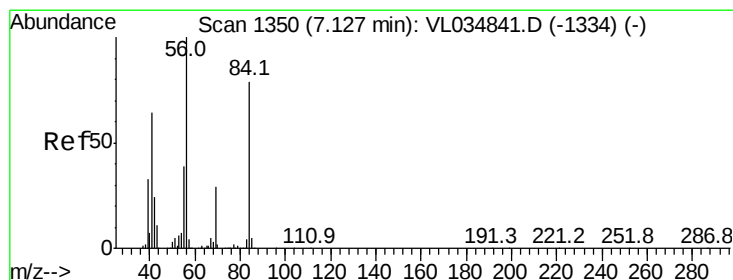
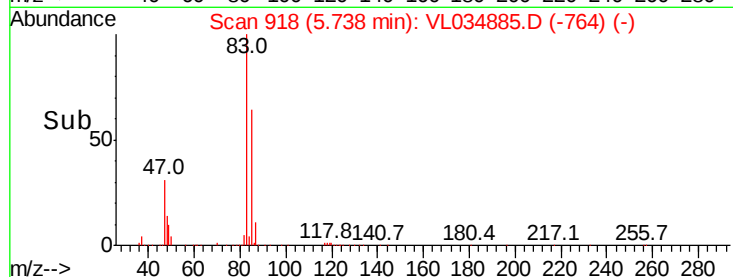
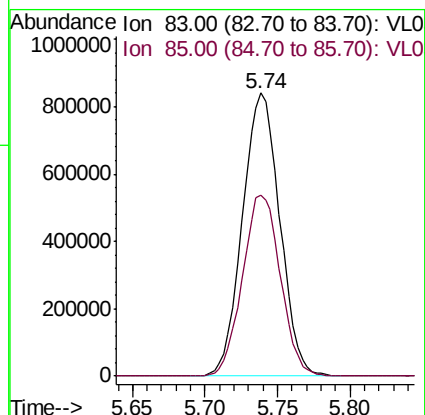
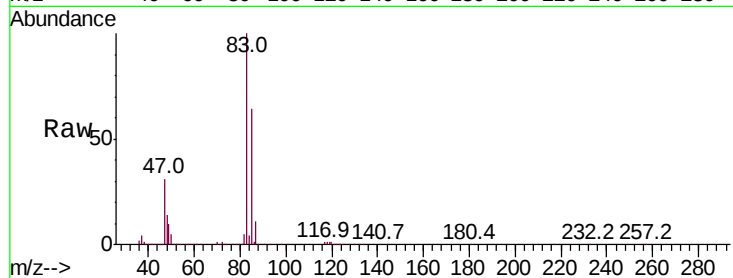




#29
Chloroform
Concen: 9.871 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

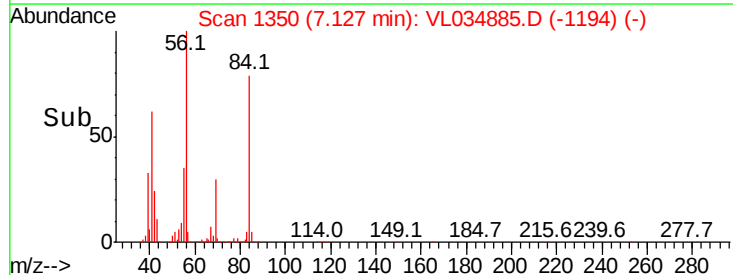
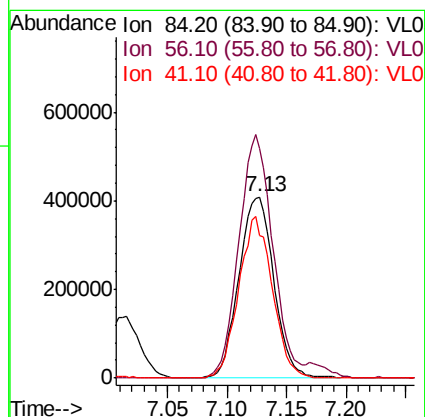
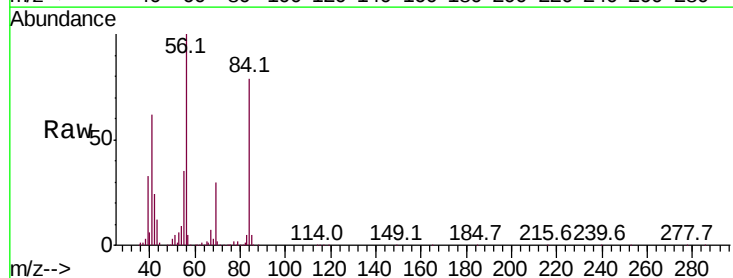
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

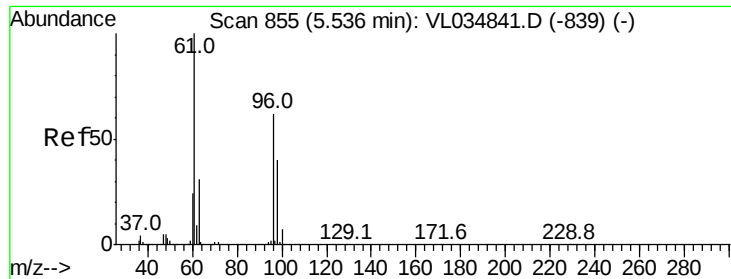
Tot Ion: 83 Resp: 1506583
Ion Ratio Lower Upper
83 100
85 63.7 53.8 80.6



#30
Cyclohexane
Concen: 9.930 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion: 84 Resp: 828728
Ion Ratio Lower Upper
84 100
56 136.6 110.5 165.7
41 85.8 68.2 102.4



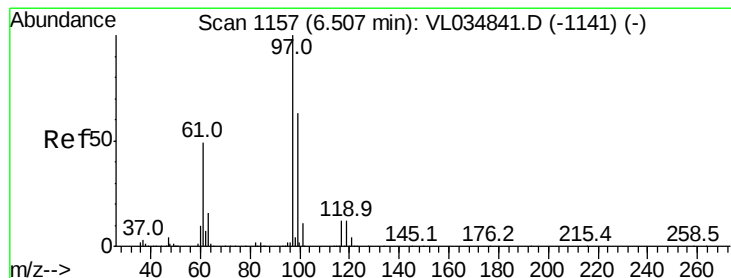
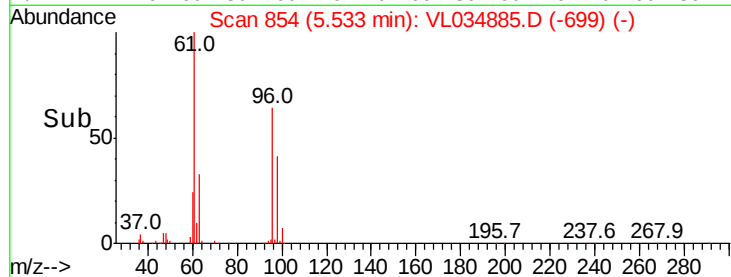
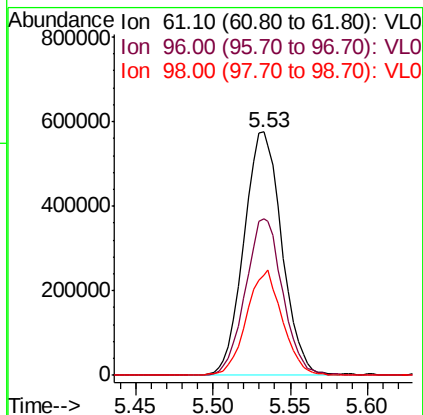
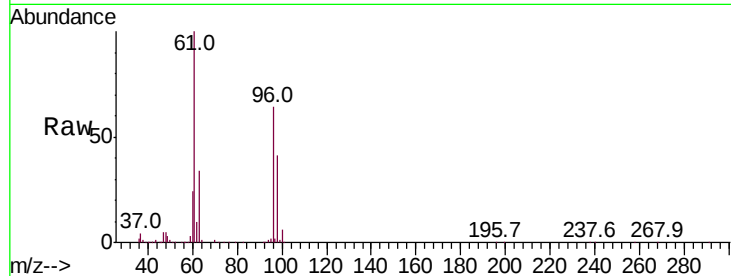


#31

cis-1,2-Dichloroethene
Concen: 9.623 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.00 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

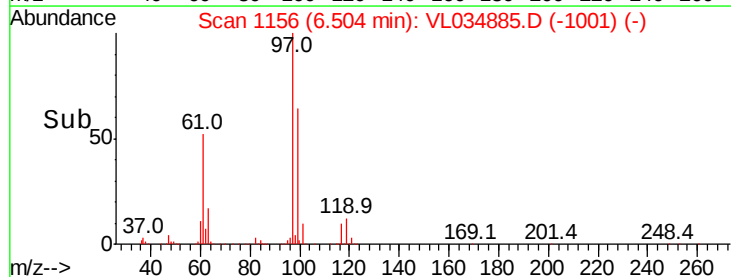
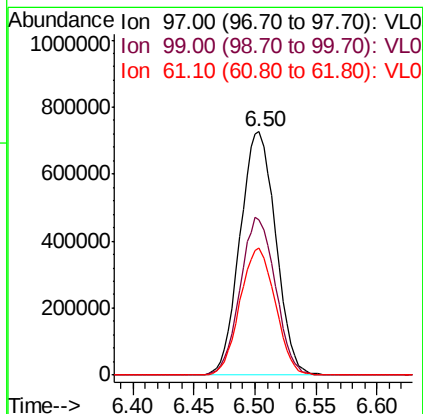
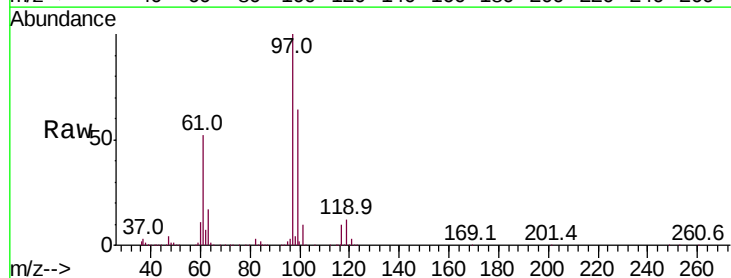
Tot Ion:	61	Resp:	984371
Ion	Ratio	Lower	Upper
61	100		
96	64.3	49.8	74.8
98	41.1	32.2	48.4

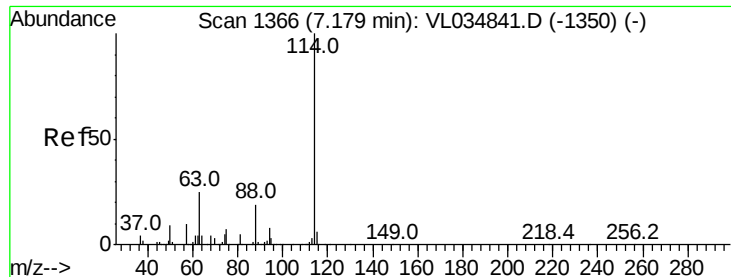


#32

1,1,1-Trichloroethane
Concen: 9.866 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion:	97	Resp:	1467244
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.1	76.7
61	51.7	39.7	59.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.01 min

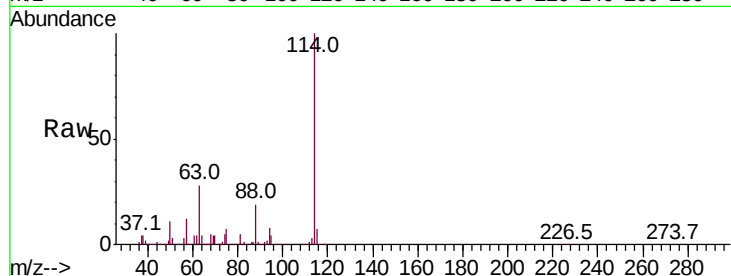
Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:114 Resp: 2175548

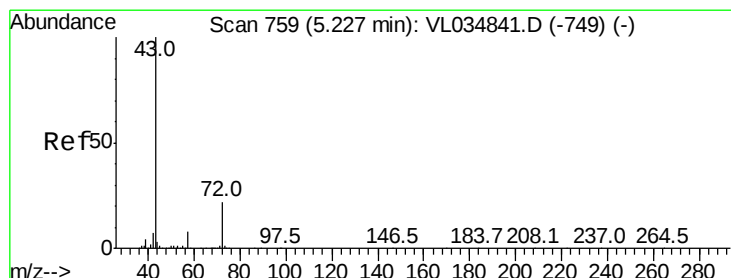
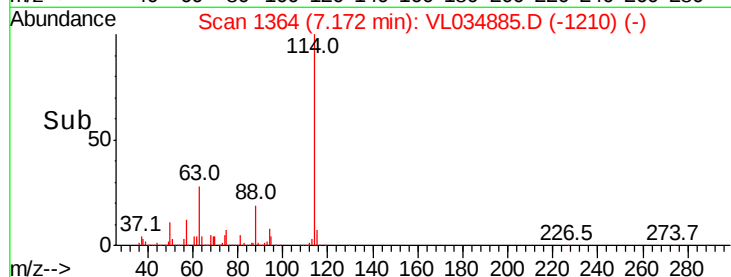
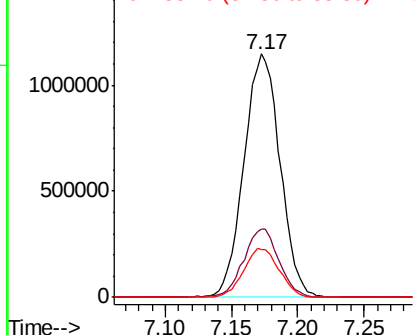
Ion	Ratio	Lower	Upper
114	100		
63	28.0	20.6	31.0
88	19.9	15.0	22.6



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: 10.107 ppbv

RT: 5.22 min Scan# 758

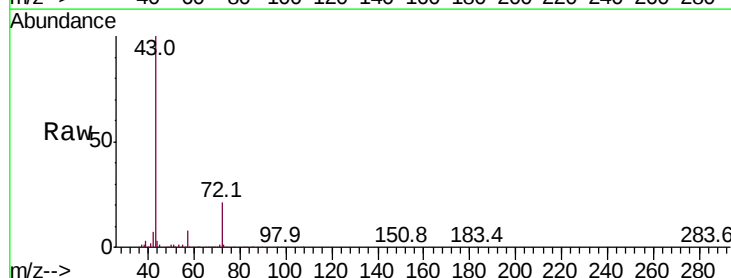
Delta R.T. -0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

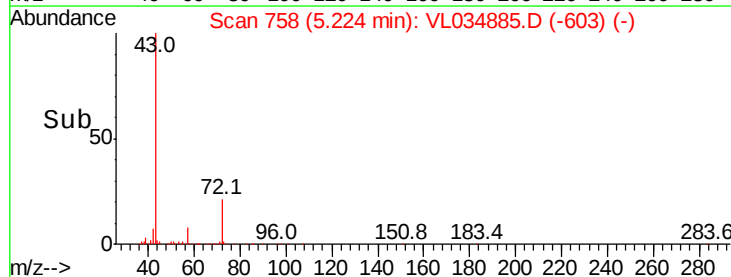
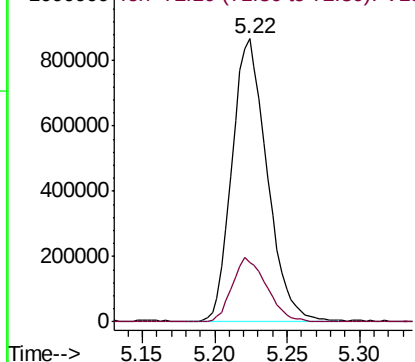
Tgt Ion: 43 Resp: 1461276

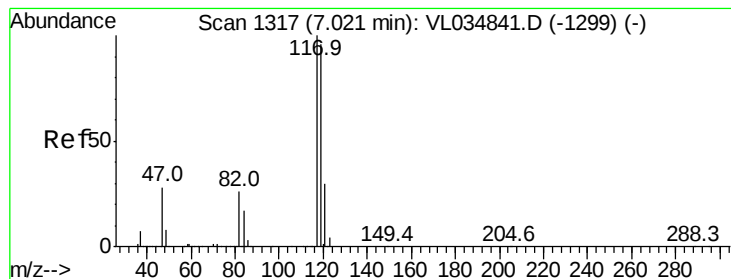
Ion	Ratio	Lower	Upper
43	100		
72	22.6	17.6	26.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 11.129 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

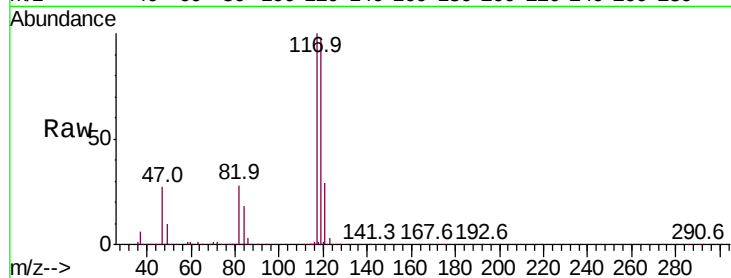
Tot Ion:117 Resp: 1505886

Ion Ratio Lower Upper

117 100

119 96.9 77.0 115.4

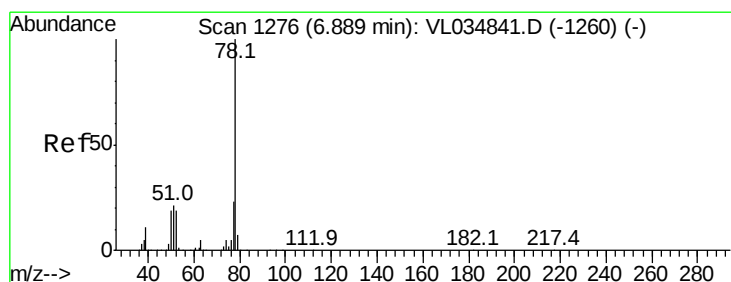
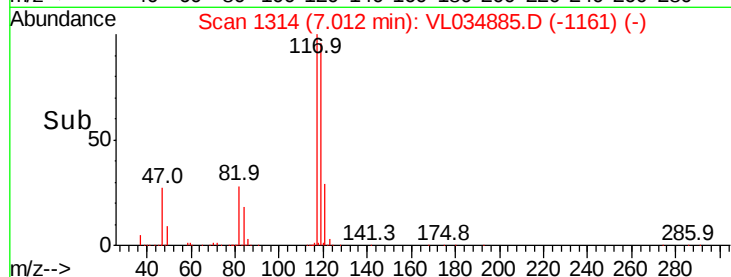
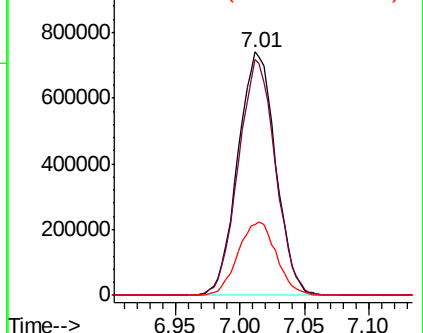
121 28.9 24.0 36.0



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: 10.014 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

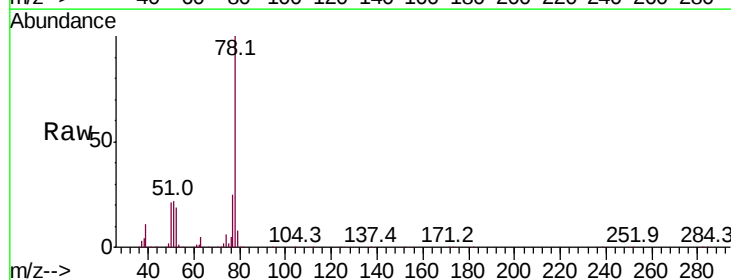
Tgt Ion: 78 Resp: 1941953

Ion Ratio Lower Upper

78 100

77 24.9 18.2 27.2

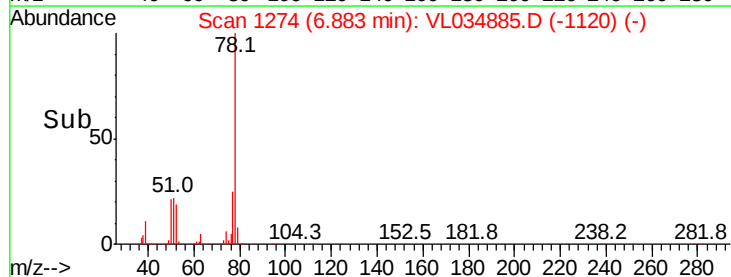
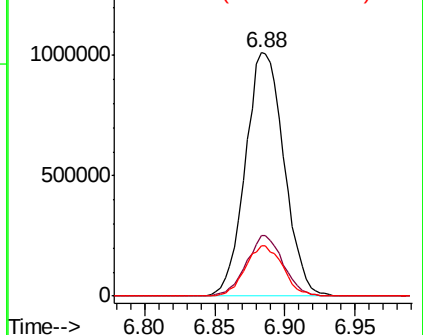
50 20.7 15.2 22.8

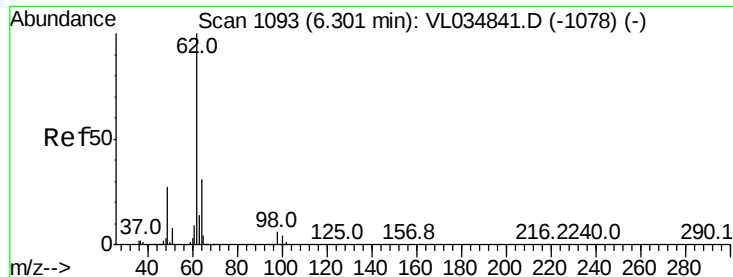


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.770 ppbv

RT: 6.30 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

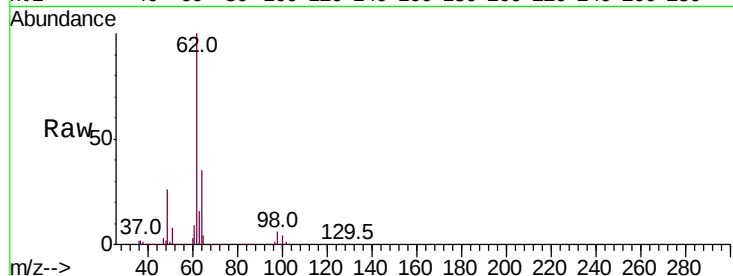
VSTDCCC010

Tot Ion: 62 Resp: 1177640

Ion Ratio Lower Upper

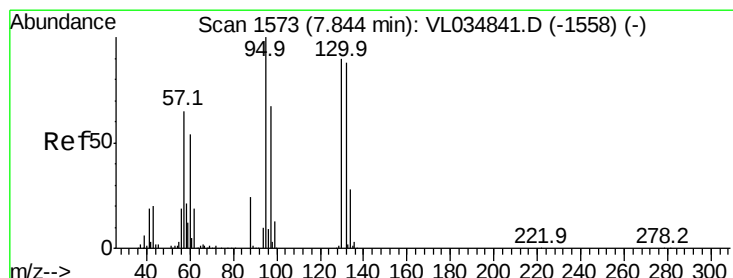
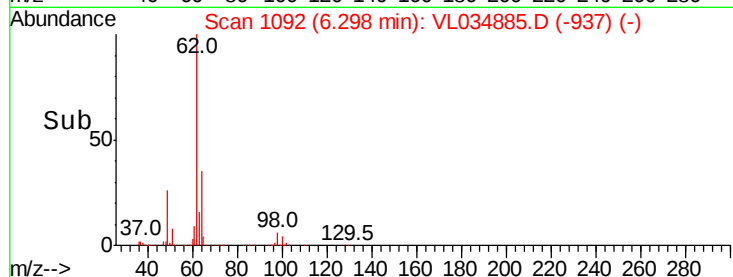
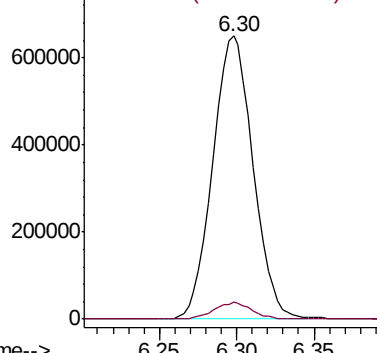
62 100

98 5.8 5.2 7.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 9.910 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Tgt Ion:130 Resp: 729861

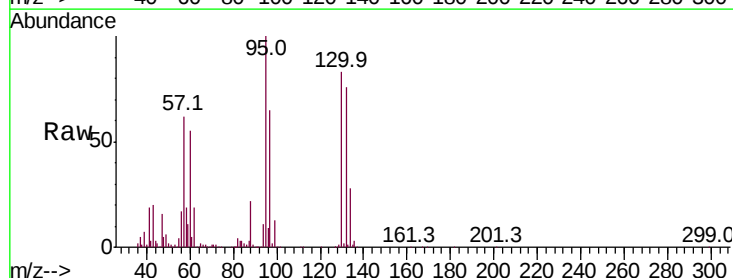
Ion Ratio Lower Upper

130 100

95 120.9 88.5 132.7

132 91.4 78.0 117.0

97 78.9 59.3 88.9

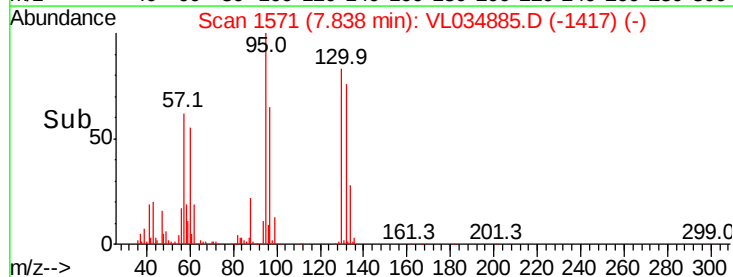
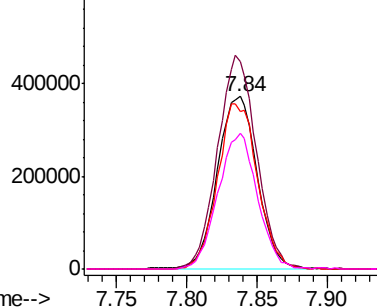


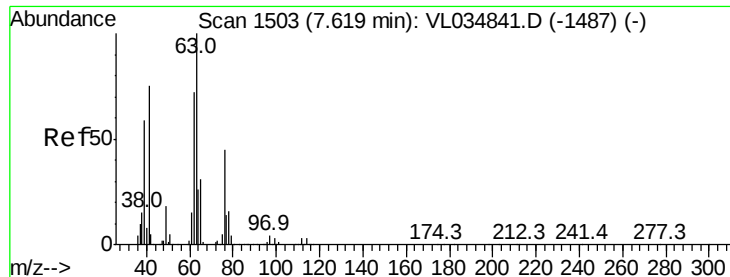
Abundance Ion 130.00 (129.70 to 130.70): V

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





#39

1,2-Dichloropropane

Concen: 10.087 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

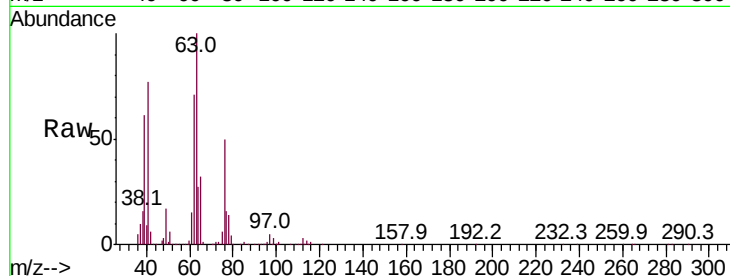
Tot Ion: 63 Resp: 774993

Ion Ratio Lower Upper

63 100

41 77.1 59.8 89.8

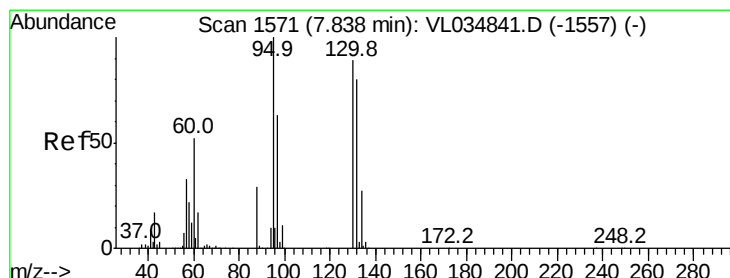
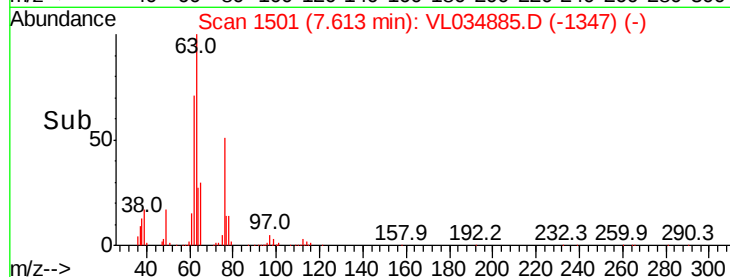
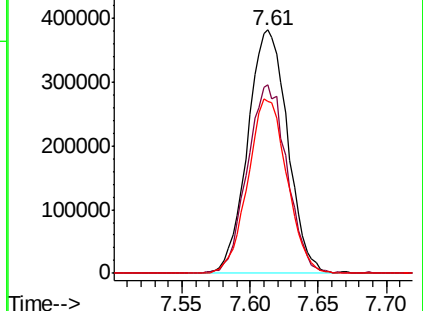
62 70.6 57.6 86.4



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: 8.782 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Tgt Ion: 88 Resp: 254818

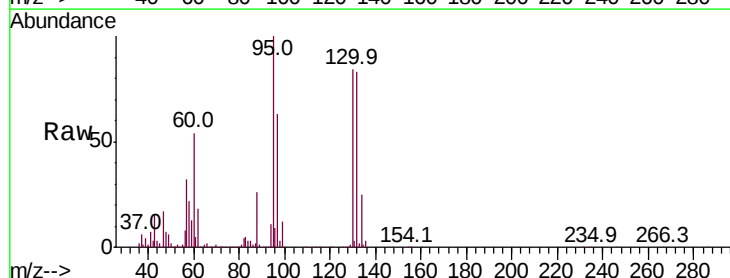
Ion Ratio Lower Upper

88 100

58 140.9 103.9 155.9

43 307.2 0.0 0.0#

57 1341.3 0.0 0.0#

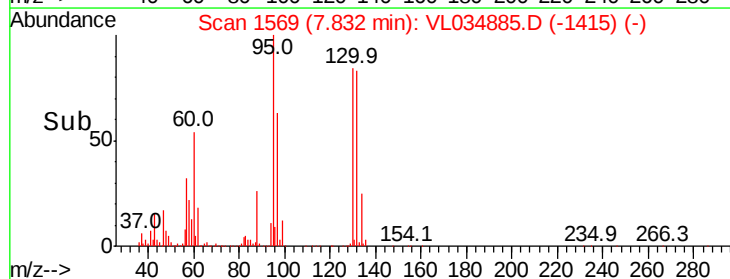
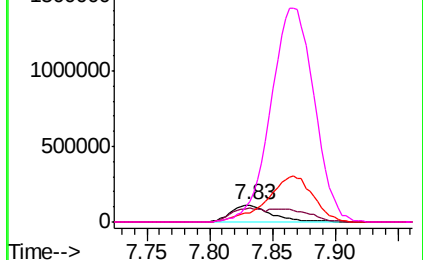


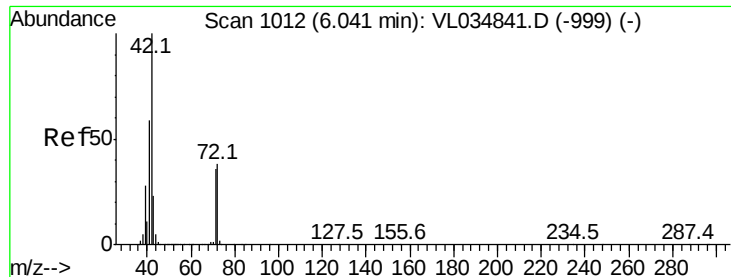
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 10.396 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

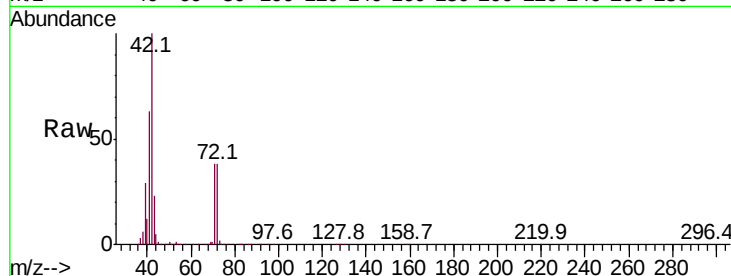
Tot Ion: 42 Resp: 813302

Ion Ratio Lower Upper

42 100

72 39.6 30.8 46.2

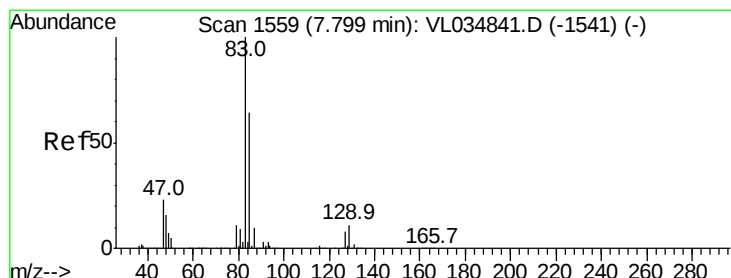
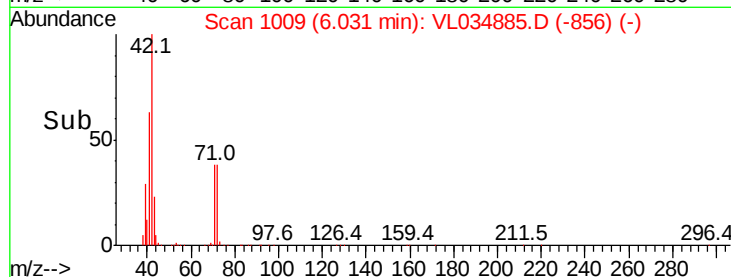
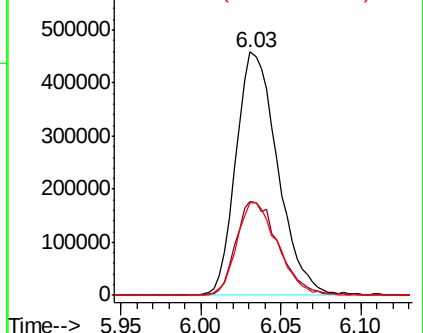
71 37.9 30.1 45.1



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: 10.910 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

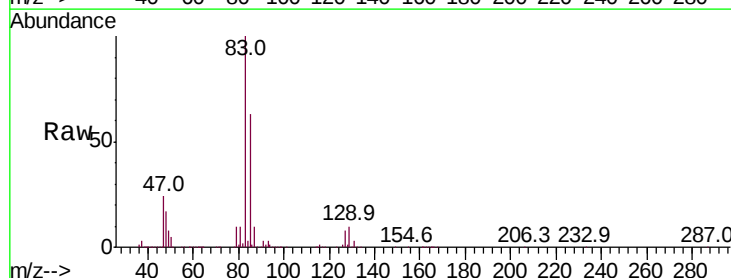
Tgt Ion: 83 Resp: 1625896

Ion Ratio Lower Upper

83 100

85 63.4 51.4 77.2

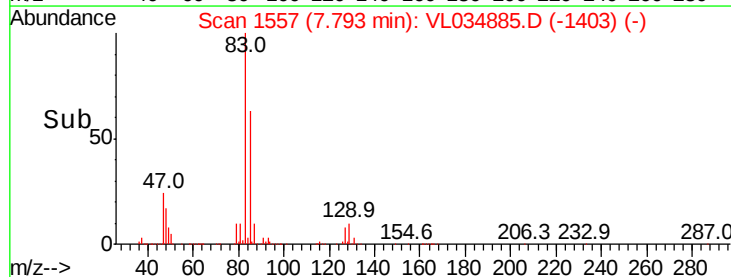
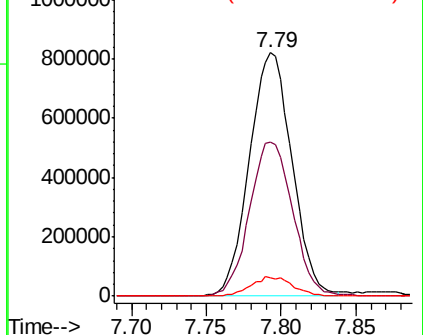
127 7.7 6.2 9.4

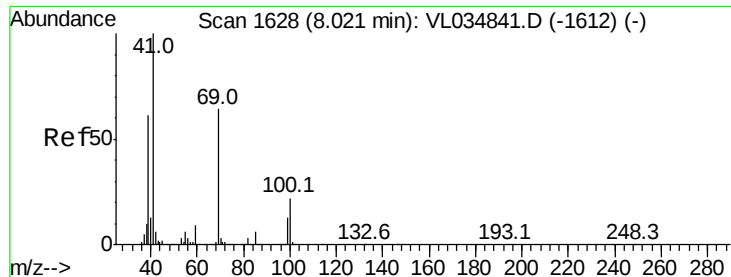


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.753 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. -0.01 min

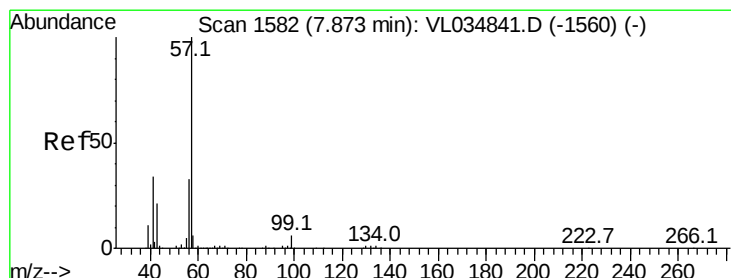
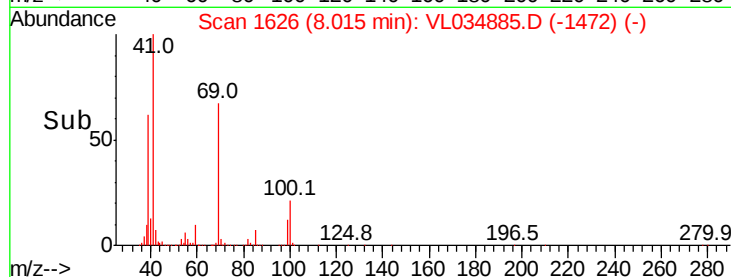
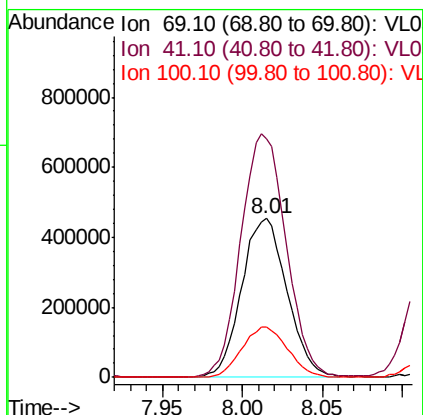
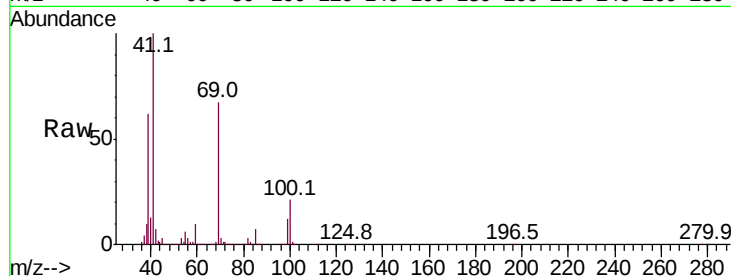
Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 878475

Ion	Ratio	Lower	Upper
69	100		
41	153.1	123.2	184.8
100	32.2	26.9	40.3



#44

2,2,4-Trimethylpentane

Concen: 10.412 ppbv

RT: 7.86 min Scan# 1579

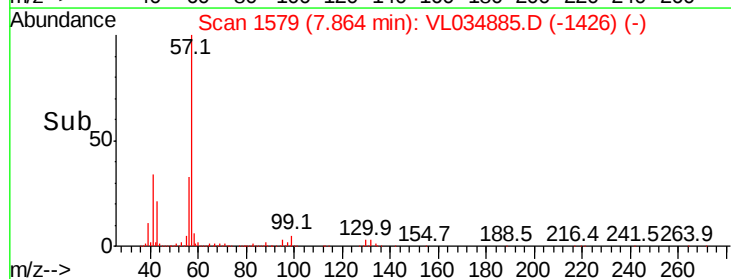
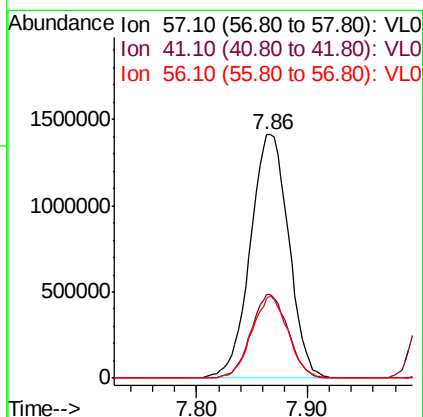
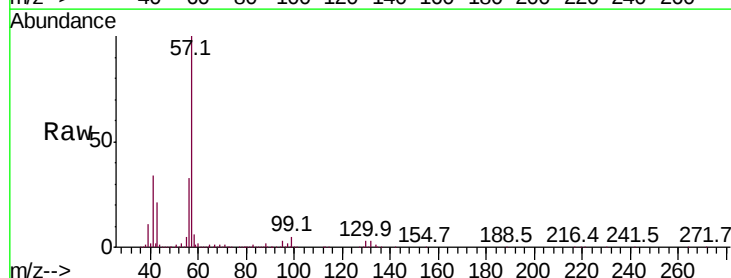
Delta R.T. -0.01 min

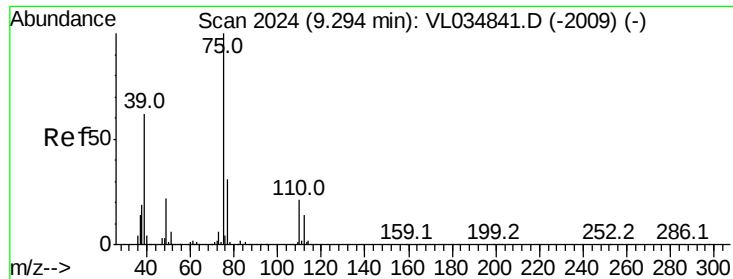
Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Tgt Ion: 57 Resp: 3411843

Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.2	39.4
56	31.7	25.0	37.4

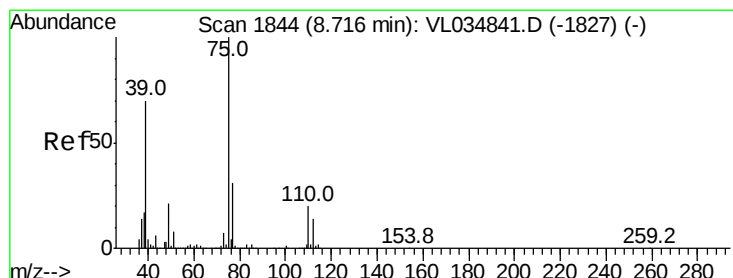
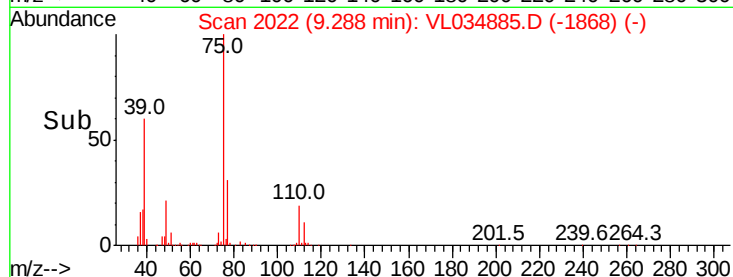
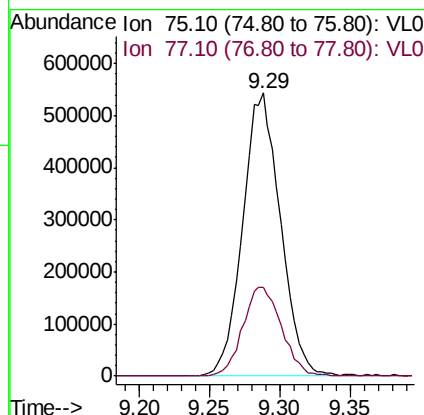
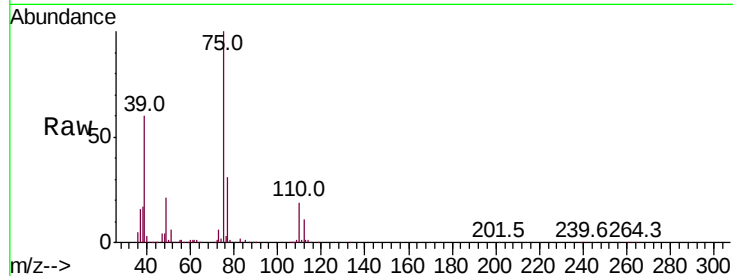




#45
 t-1,3-Dichloropropene
 Concen: 10.631 ppbv
 RT: 9.29 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

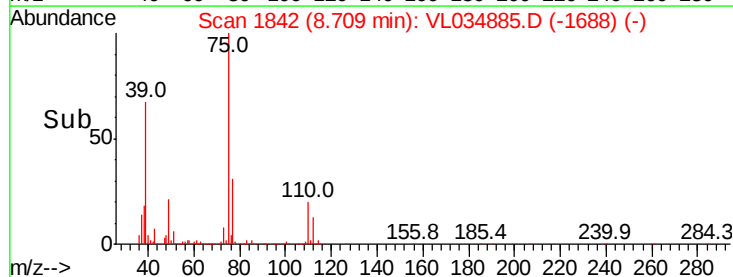
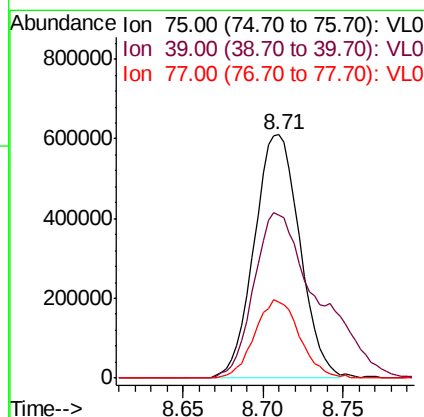
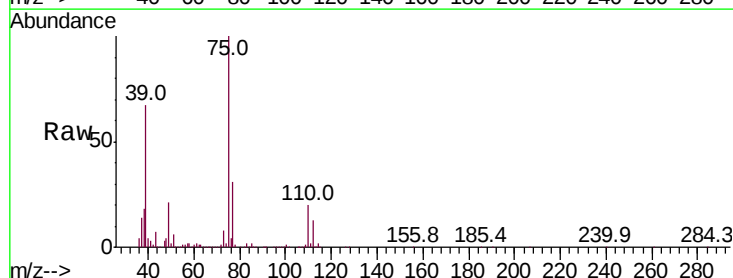
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

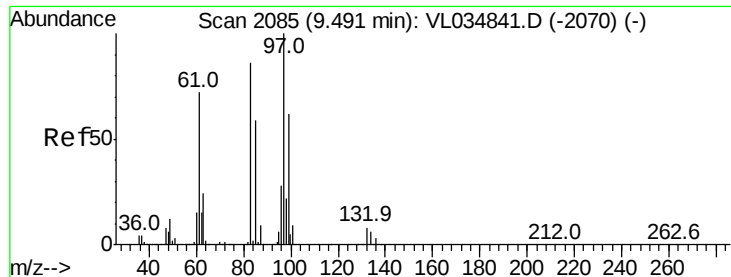
Tot Ion: 75 Resp: 1020423
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.6 37.0



#46
 cis-1,3-Dichloropropene
 Concen: 10.482 ppbv
 RT: 8.71 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion: 75 Resp: 1195538
 Ion Ratio Lower Upper
 75 100
 39 67.2 55.7 83.5
 77 31.1 24.7 37.1





#47

1,1,2-Trichloroethane

Concen: 10.406 ppbv

RT: 9.48 min Scan# 2083

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 97 Resp: 820456

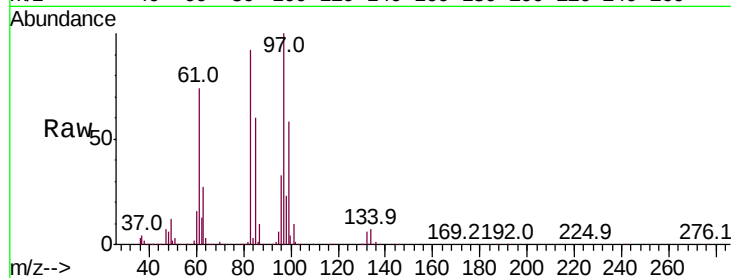
Ion Ratio Lower Upper

97 100

83 92.4 68.6 102.8

85 59.7 46.9 70.3

99 58.4 49.9 74.9

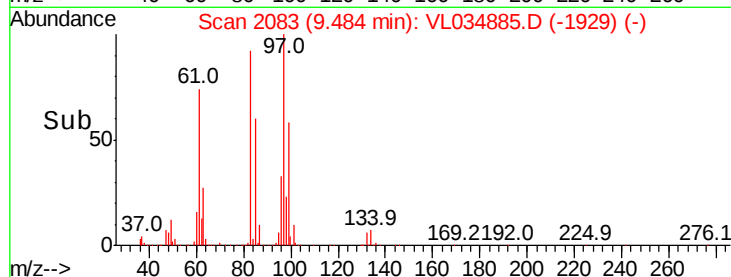


Abundance Ion 97.00 (96.70 to 97.70): VL0

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



Abundance

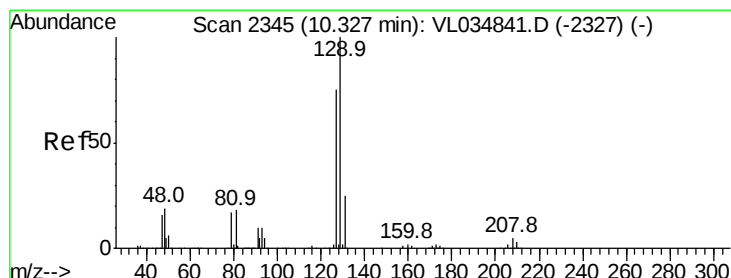
Ion 97.00 (96.70 to 97.70): VL0

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

Time-->



#48

Dibromochloromethane

Concen: 10.636 ppbv

RT: 10.32 min Scan# 2342

Delta R.T. -0.01 min

Lab File: VL034885.D

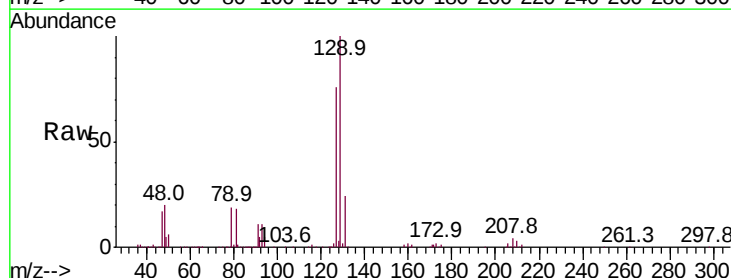
Acq: 16 Mar 2020 10:17

Tgt Ion: 129 Resp: 1358151

Ion Ratio Lower Upper

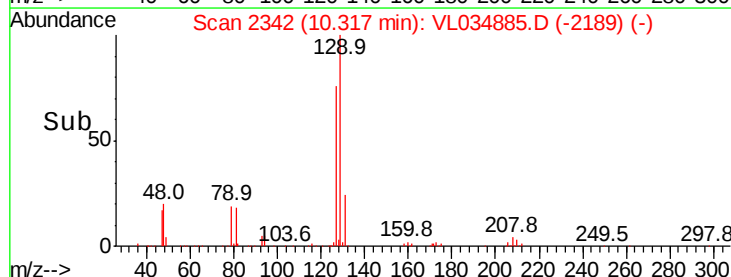
129 100

127 77.6 39.6 118.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

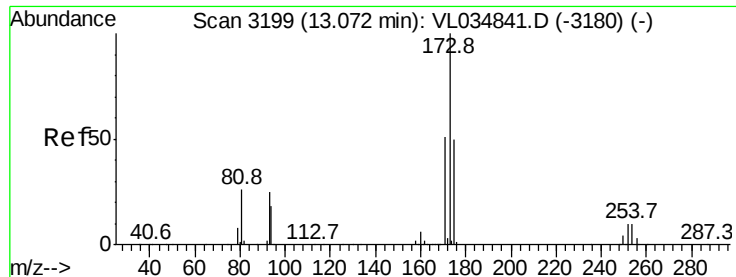


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

Time-->



#49

Bromoform

Concen: 10.558 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

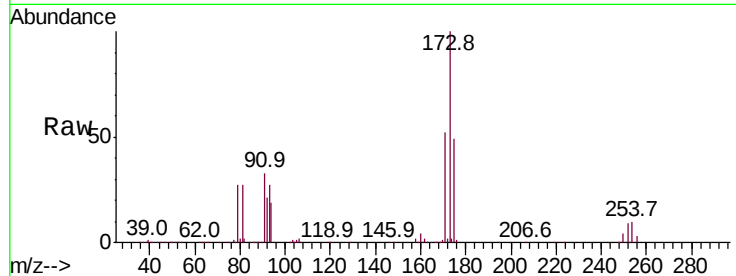
Tot Ion:173 Resp: 1202012

Ion Ratio Lower Upper

173 100

175 50.4 39.6 59.4

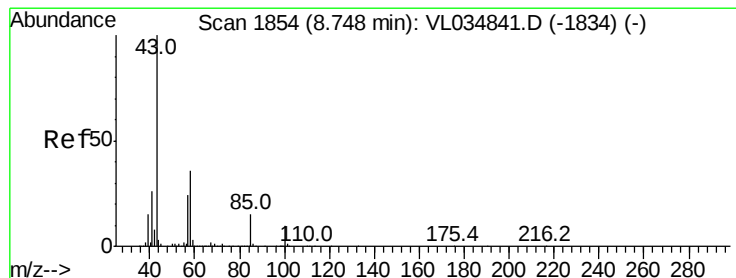
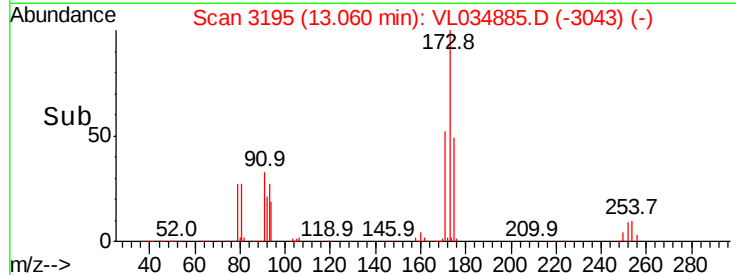
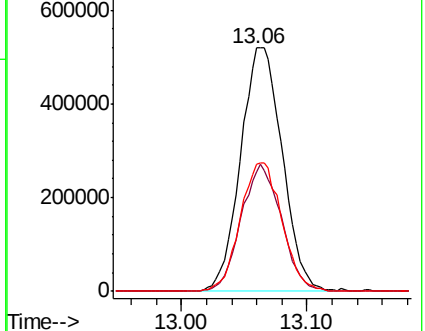
171 52.8 41.0 61.6



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: 10.676 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VL034885.D

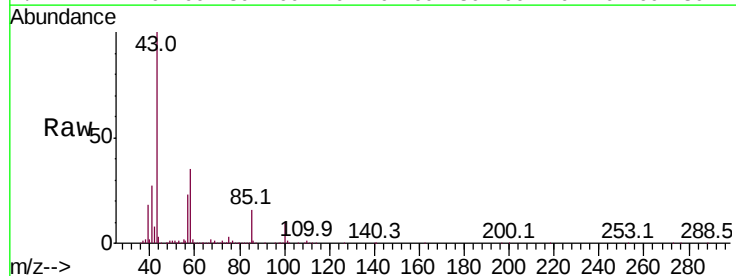
Acq: 16 Mar 2020 10:17

Tgt Ion: 43 Resp: 2221821

Ion Ratio Lower Upper

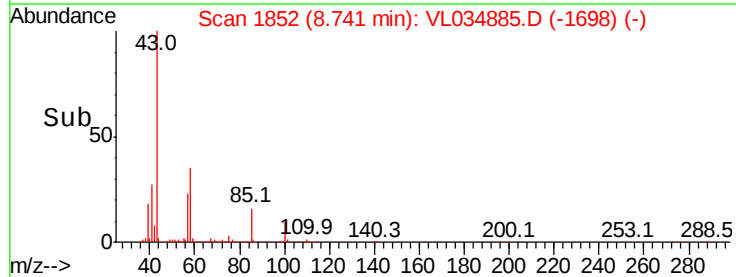
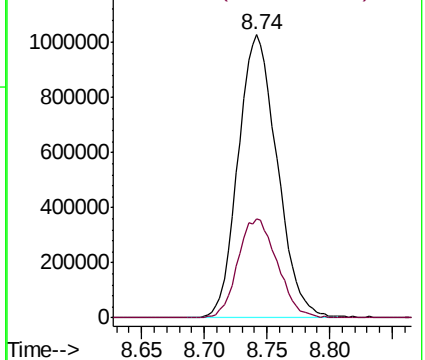
43 100

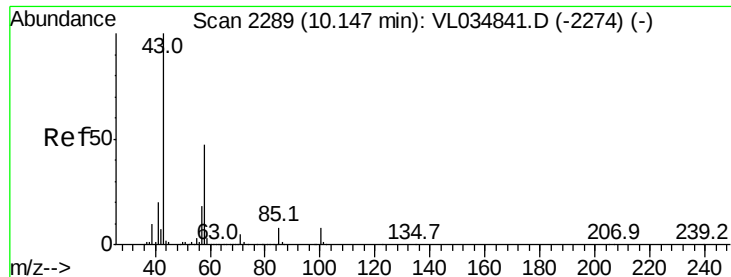
58 35.6 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.878 ppbv

RT: 10.14 min Scan# 2287

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

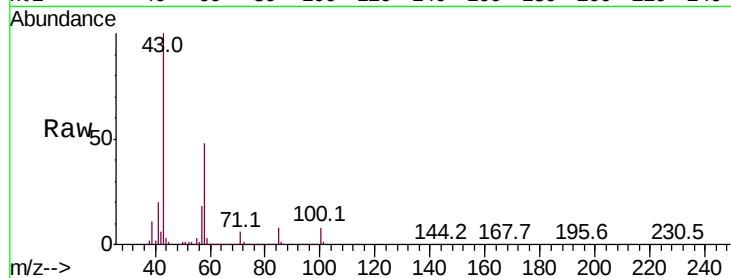
Tot Ion: 43 Resp: 1839820

Ion Ratio Lower Upper

43 100

58 47.9 38.6 58.0

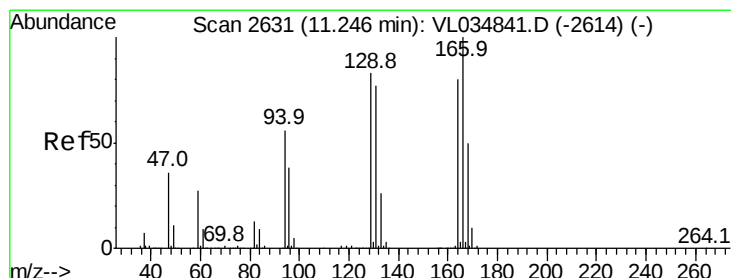
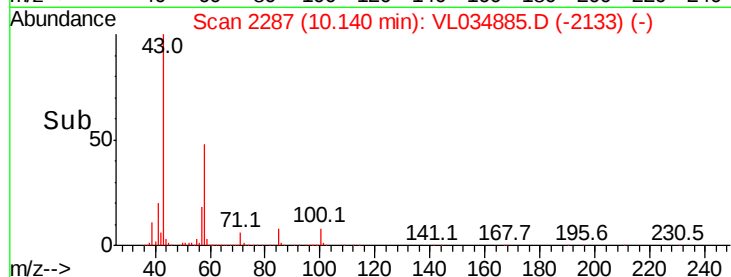
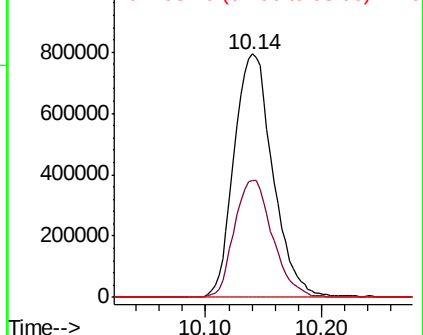
98 0.3 0.1 0.1#



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: 9.165 ppbv

RT: 11.24 min Scan# 2628

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Tgt Ion:164 Resp: 703141

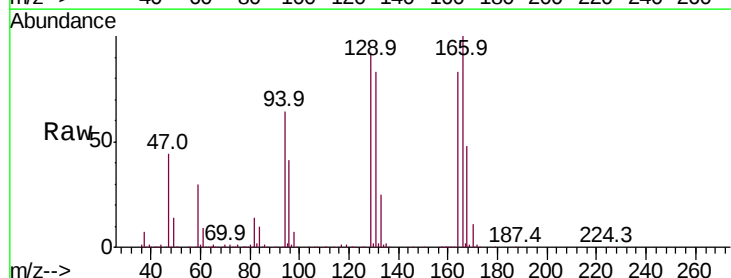
Ion Ratio Lower Upper

164 100

166 121.1 100.0 150.0

129 111.2 83.1 124.7

131 100.6 77.2 115.8

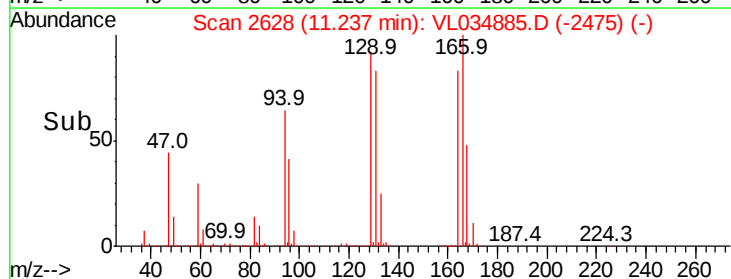
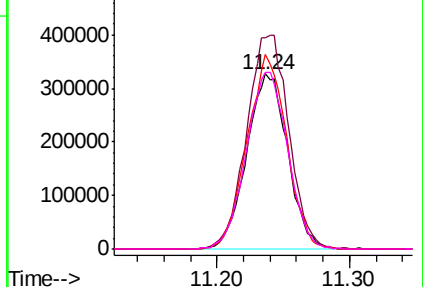


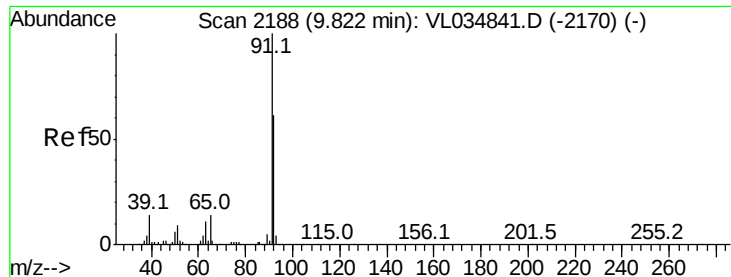
Abundance Ion 163.90 (163.60 to 164.60): V

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: 10.263 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

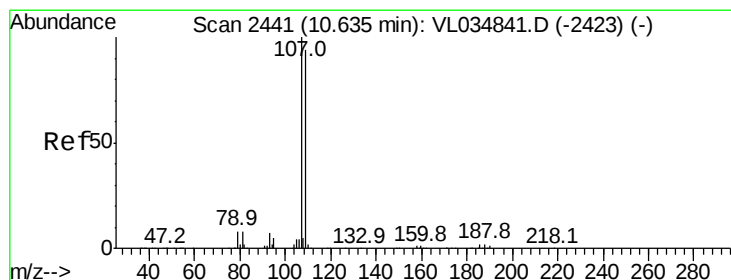
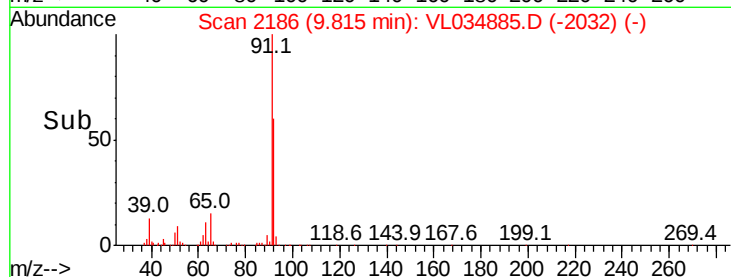
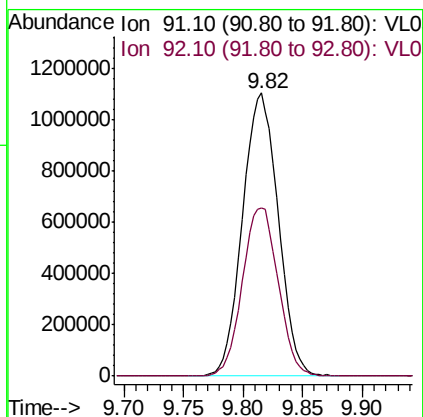
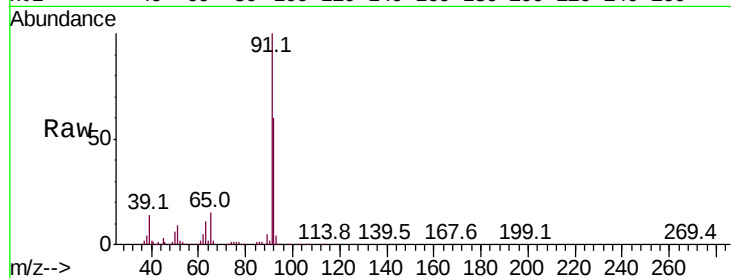
VSTDCCC010

Tot Ion: 91 Resp: 2298300

Ion Ratio Lower Upper

91 100

92 59.8 48.6 72.8



#54

1,2-Dibromoethane

Concen: 10.469 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.01 min

Lab File: VL034885.D

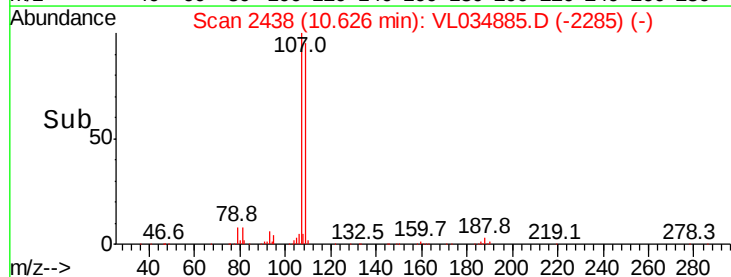
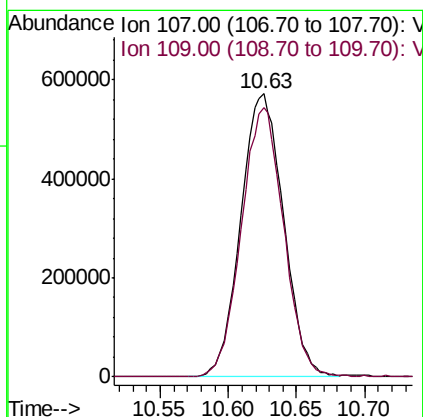
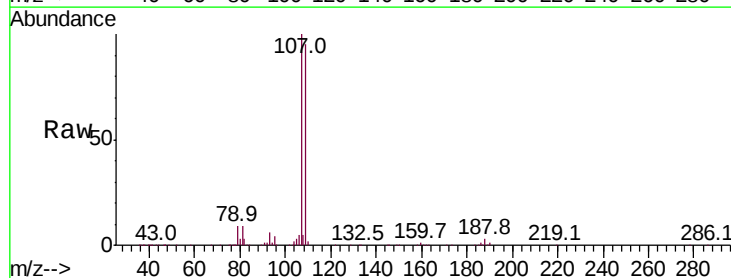
Acq: 16 Mar 2020 10:17

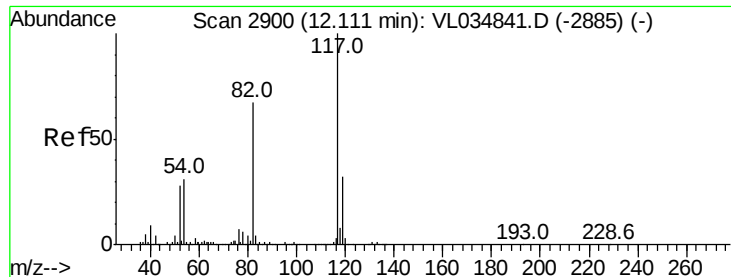
Tgt Ion:107 Resp: 1242543

Ion Ratio Lower Upper

107 100

109 95.1 74.9 112.3

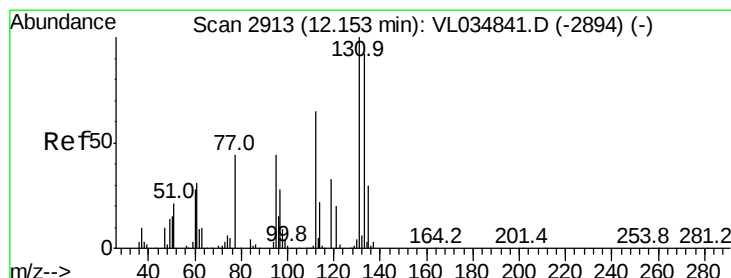
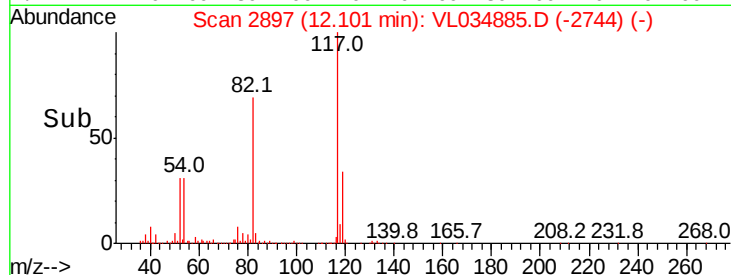
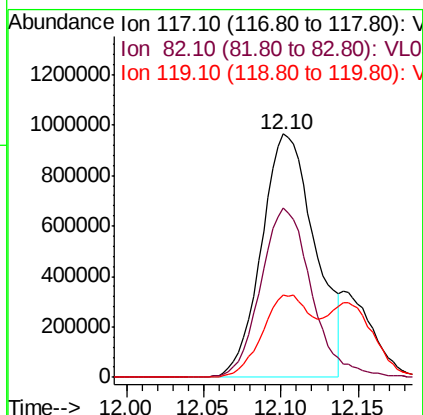
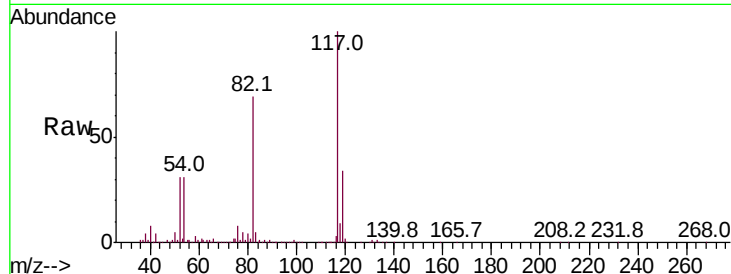




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

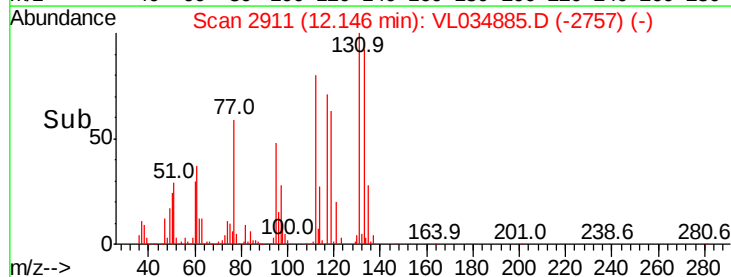
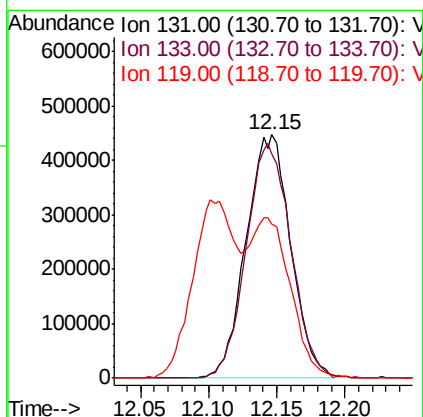
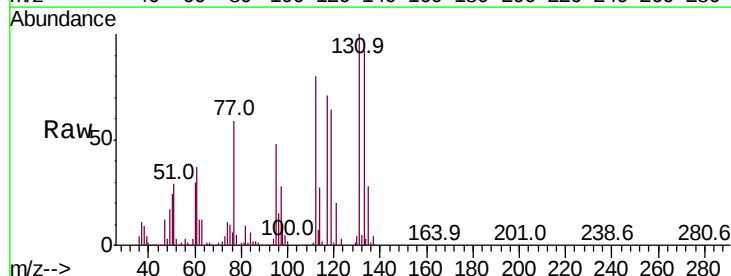
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

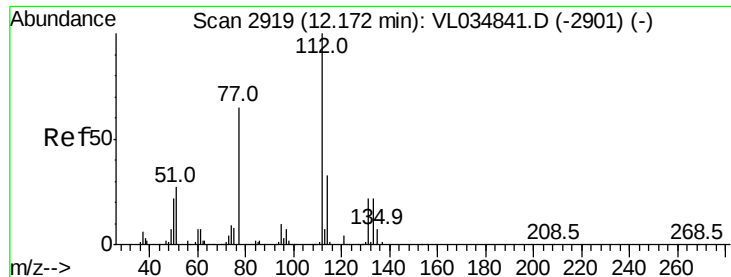
Tot Ion:117 Resp: 2325428
Ion Ratio Lower Upper
117 100
82 66.3 51.1 76.7
119 29.1 27.3 40.9



#56
1,1,1,2-Tetrachloroethane
Concen: 9.724 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion:131 Resp: 1015715
Ion Ratio Lower Upper
131 100
133 96.9 76.0 114.0
119 57.8 47.8 71.8





#57

Chlorobenzene

Concen: 9.392 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

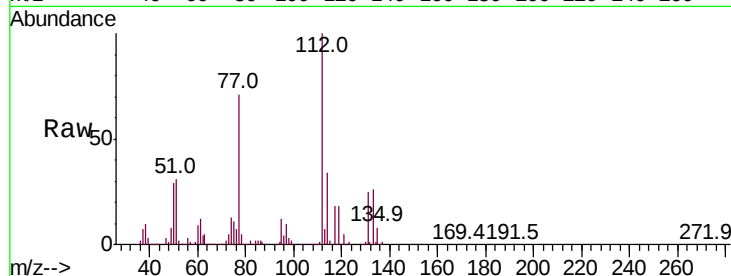
Tot Ion:112 Resp: 1708825

Ion Ratio Lower Upper

112 100

77 70.7 53.0 79.6

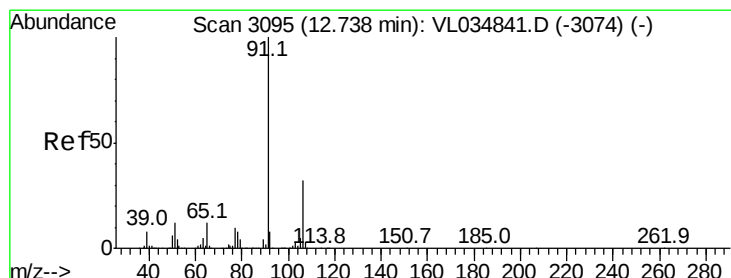
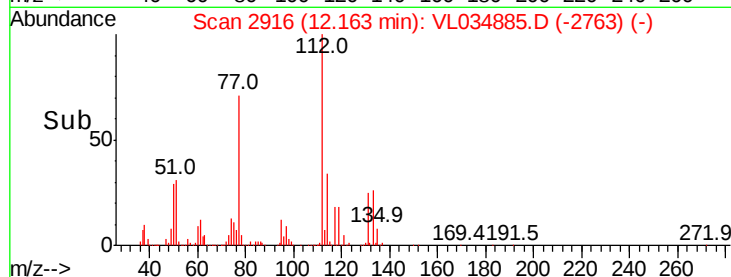
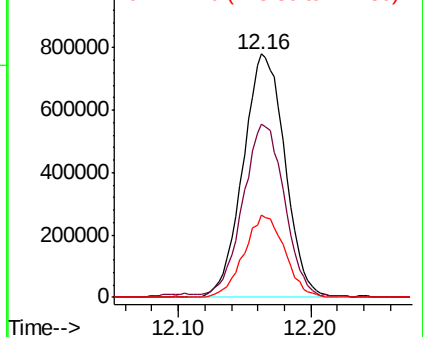
114 33.9 29.5 36.1



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: 10.007 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. -0.01 min

Lab File: VL034885.D

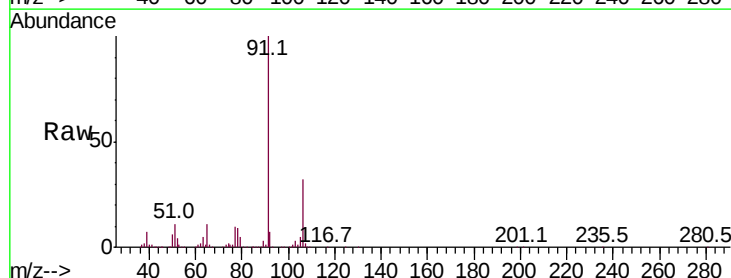
Acq: 16 Mar 2020 10:17

Tgt Ion: 91 Resp: 3151315

Ion Ratio Lower Upper

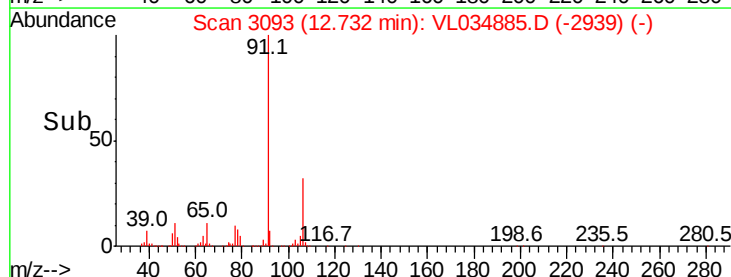
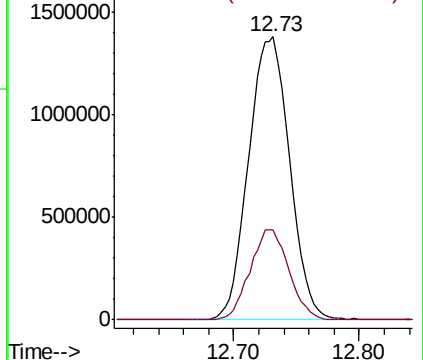
91 100

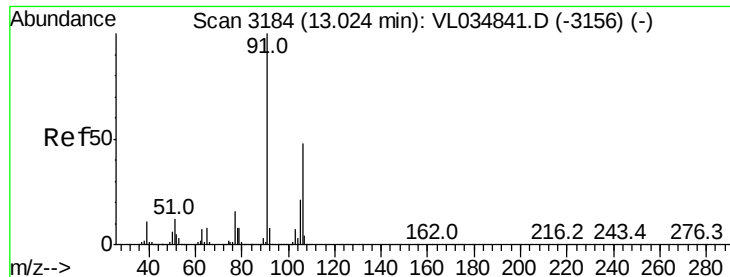
106 31.7 25.8 38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

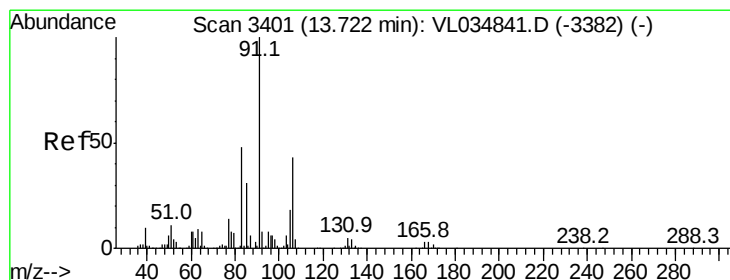
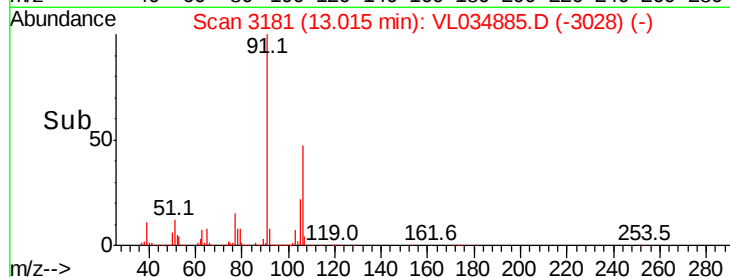
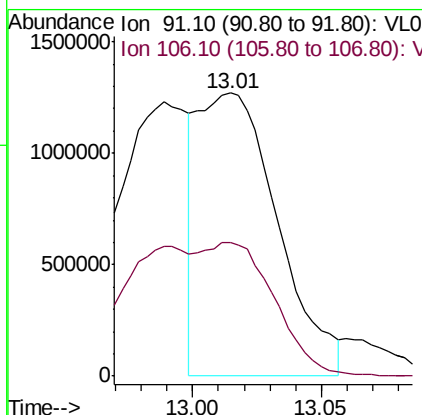
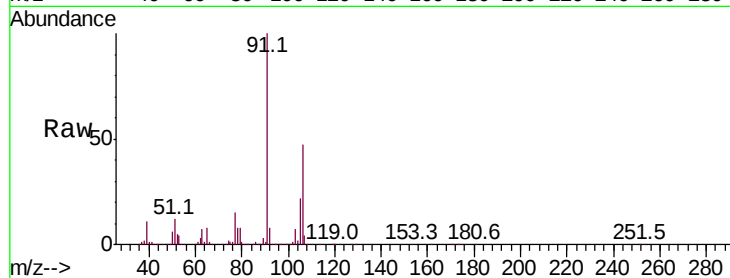




#59
m/p-Xylene
Concen: 10.262 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

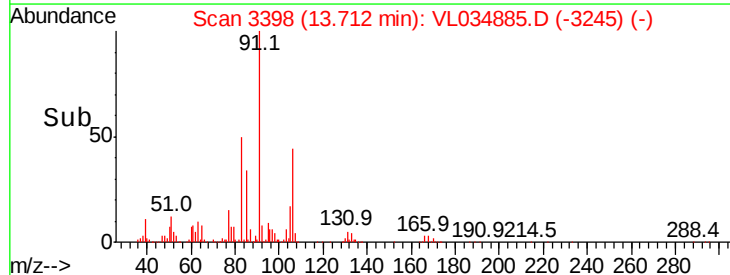
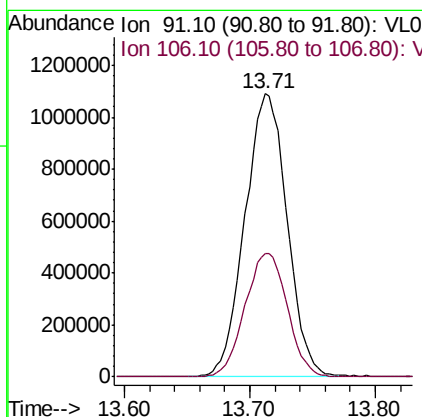
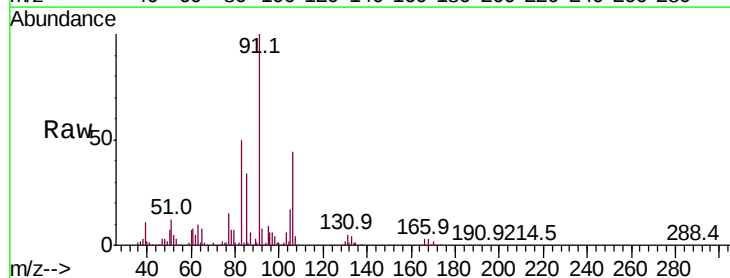
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

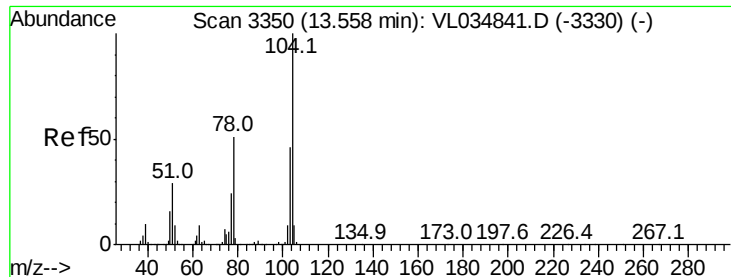
Tot Ion: 91 Resp: 2707472
Ion Ratio Lower Upper
91 100
106 86.7 37.1 55.7#



#60
o-Xylene
Concen: 9.885 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion: 91 Resp: 2546249
Ion Ratio Lower Upper
91 100
106 44.1 22.5 67.5





#61

Stvrene

Concen: 10.292 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

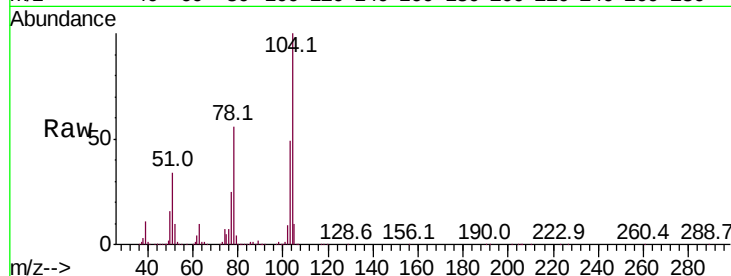
Tot Ion:104 Resp: 1860544

Ion Ratio Lower Upper

104 100

78 54.5 41.8 62.6

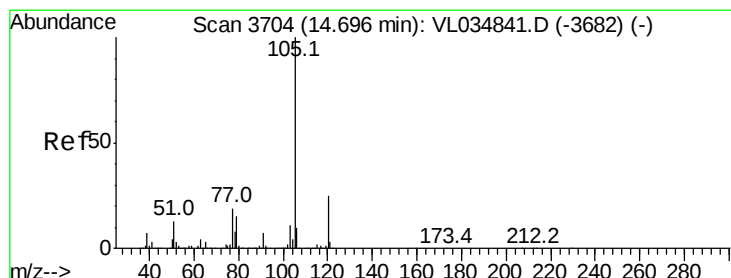
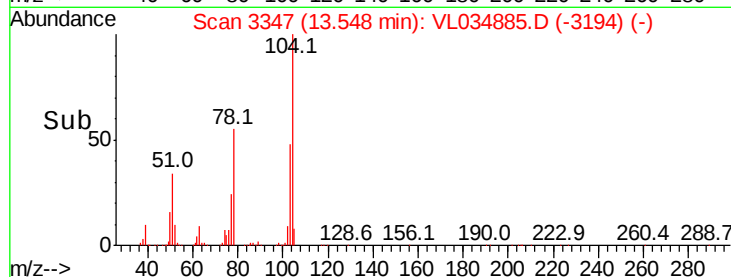
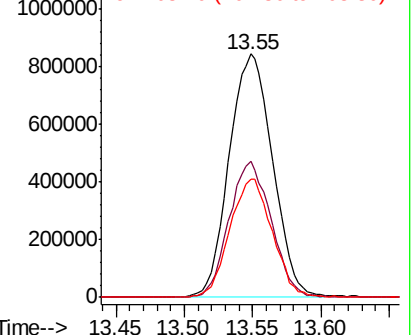
103 47.9 37.8 56.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.616 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. -0.01 min

Lab File: VL034885.D

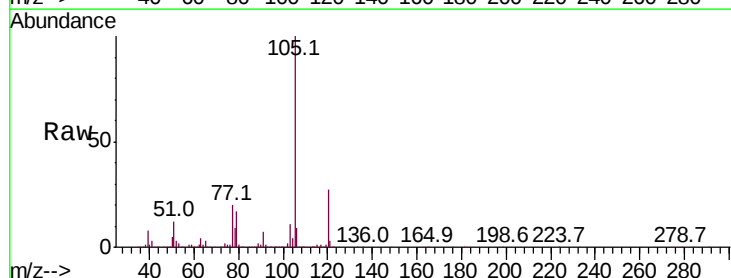
Acq: 16 Mar 2020 10:17

Tgt Ion:105 Resp: 3745626

Ion Ratio Lower Upper

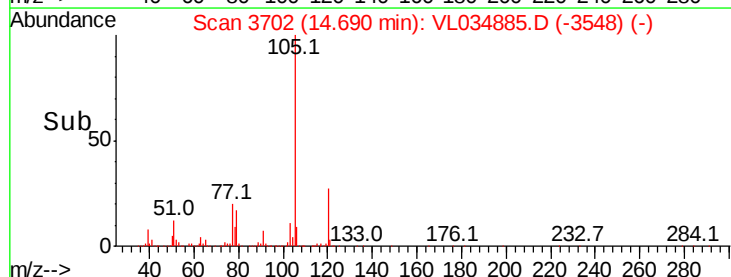
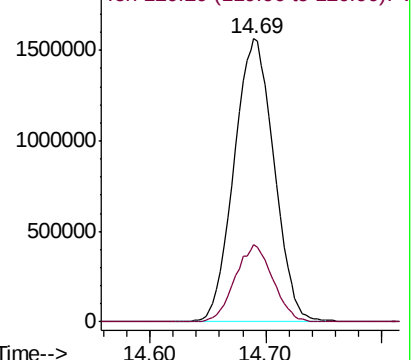
105 100

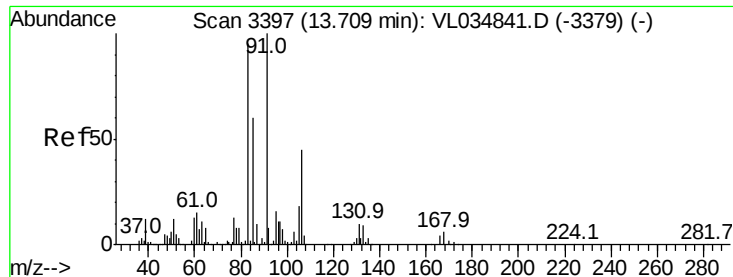
120 25.8 21.0 31.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

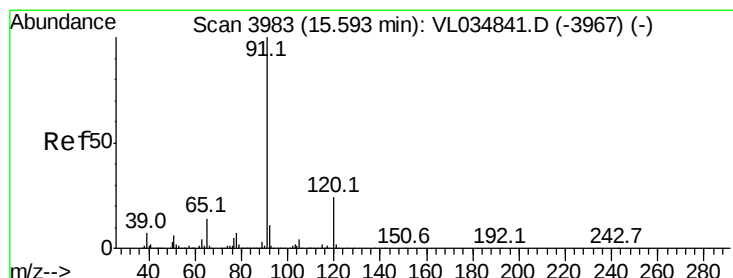
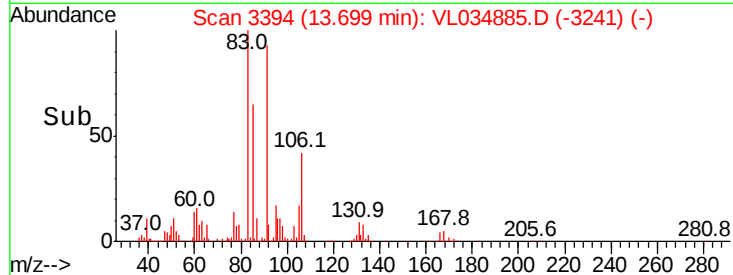
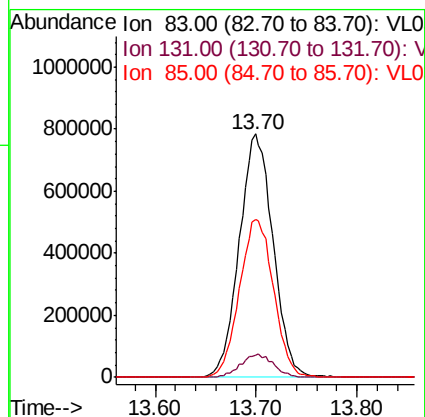
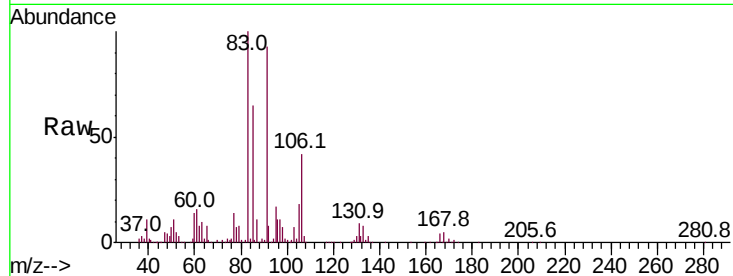




#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.406 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

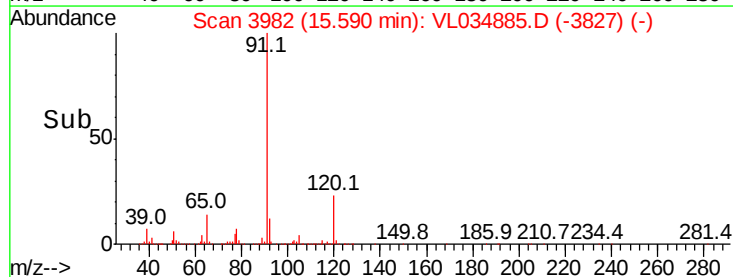
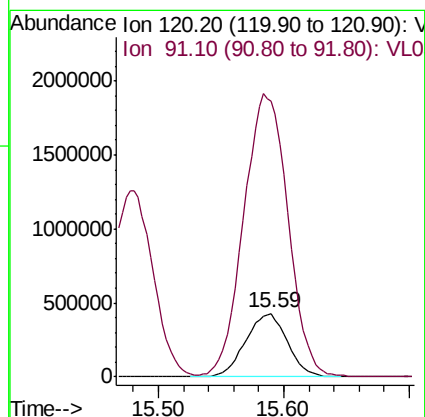
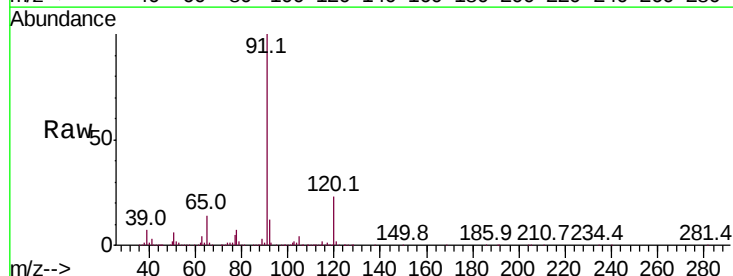
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

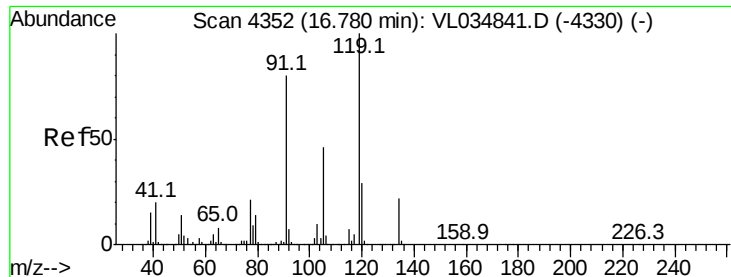
Tot Ion: 83 Resp: 1819876
 Ion Ratio Lower Upper
 83 100
 131 9.3 5.0 14.9
 85 65.6 32.4 97.2



#64
 n-propylbenzene
 Concen: 9.755 ppbv
 RT: 15.59 min Scan# 3982
 Delta R.T. -0.00 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion: 120 Resp: 988977
 Ion Ratio Lower Upper
 120 100
 91 476.0 360.9 541.3





#65

tert-Butylbenzene

Concen: 9.608 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

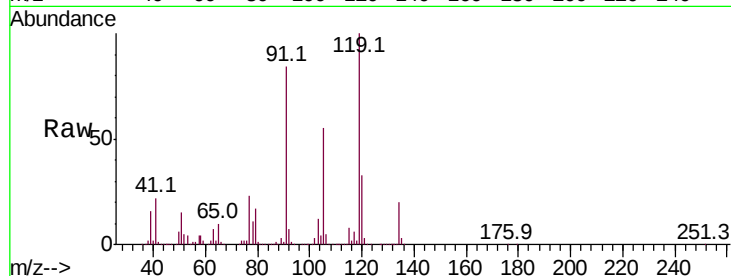
Tot Ion:119 Resp: 3271686

Ion Ratio Lower Upper

119 100

91 84.7 64.9 97.3

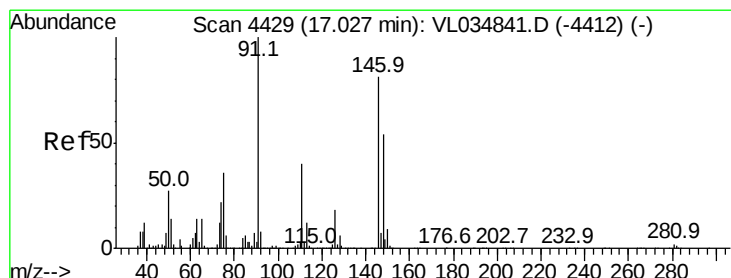
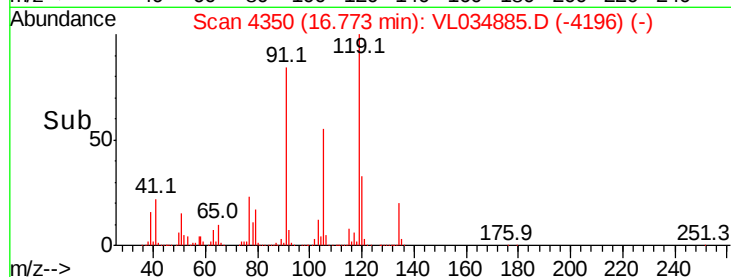
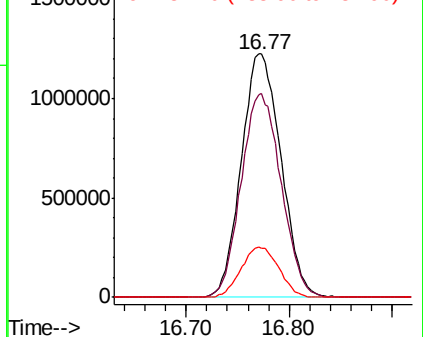
134 19.8 15.9 23.9



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: 9.514 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

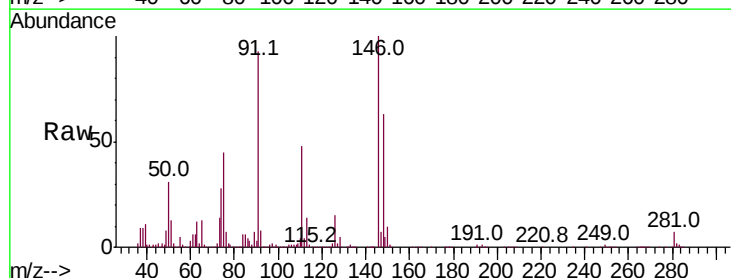
Tgt Ion: 91 Resp: 1350865

Ion Ratio Lower Upper

91 100

126 16.4 14.7 22.1

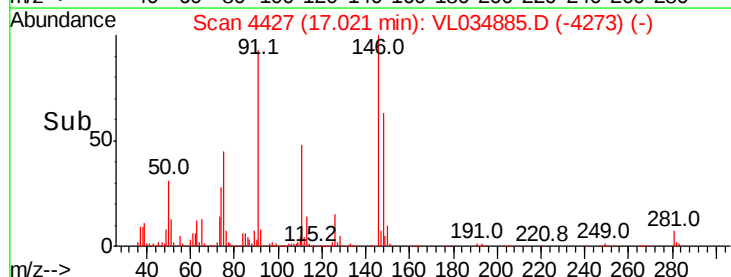
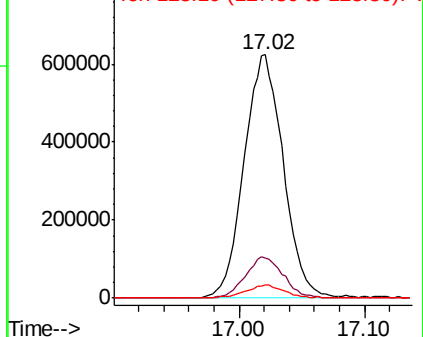
128 5.3 4.7 7.1

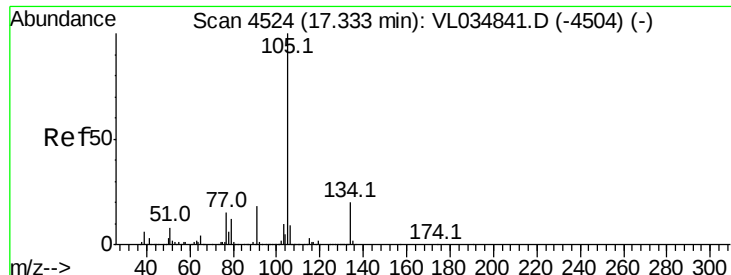


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.964 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

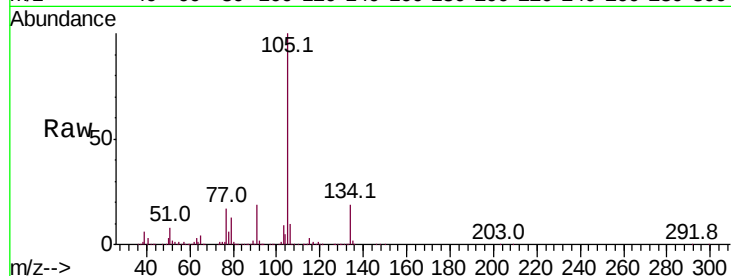
VSTDCCC010

Tot Ion:105 Resp: 4704330

Ion Ratio Lower Upper

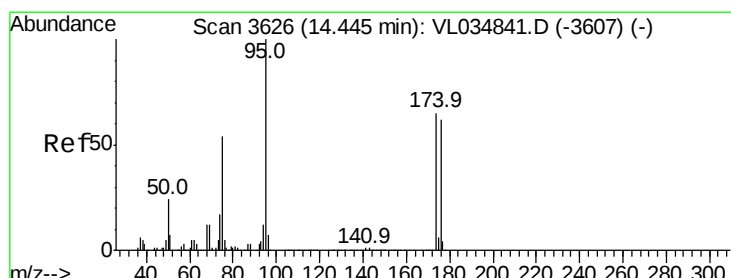
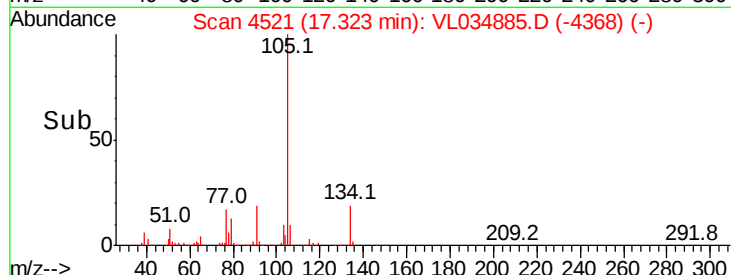
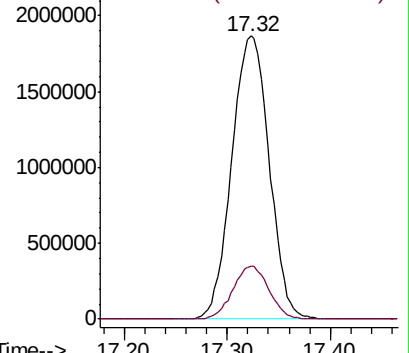
105 100

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: 10.026 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

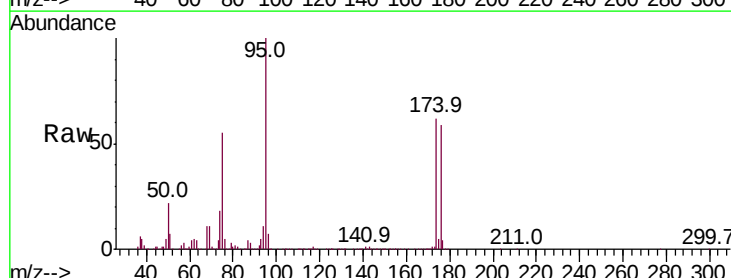
Tgt Ion: 95 Resp: 1818350

Ion Ratio Lower Upper

95 100

174 64.6 55.2 82.8

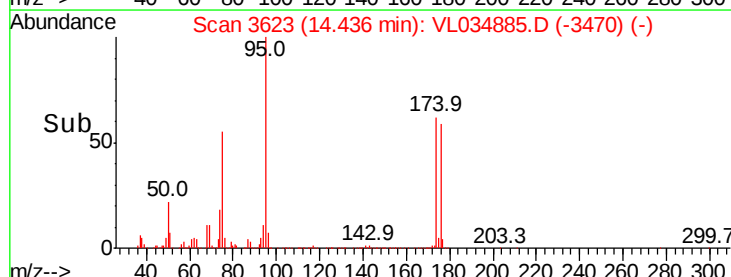
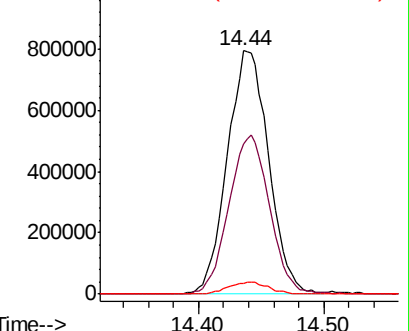
175 4.9 4.3 6.5

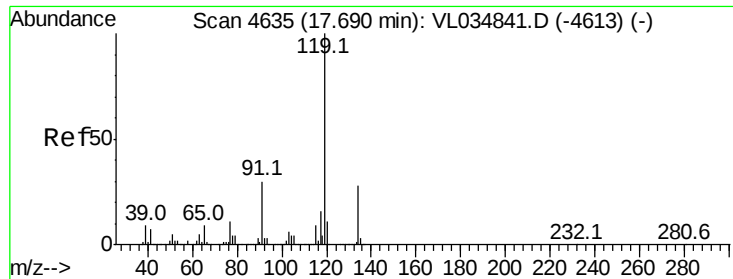


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



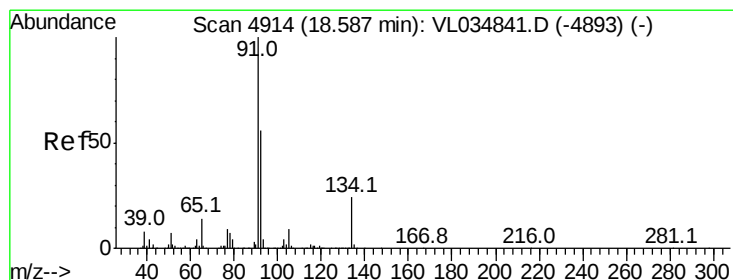
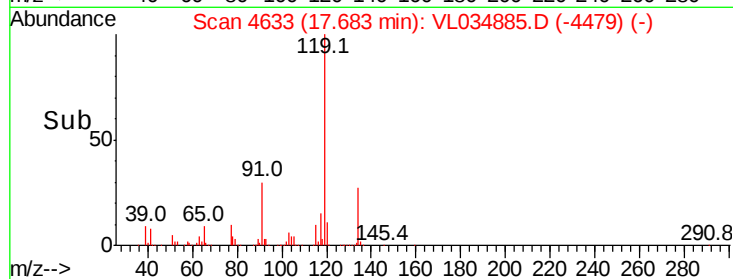
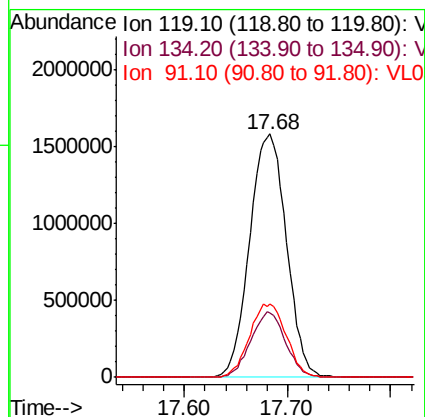
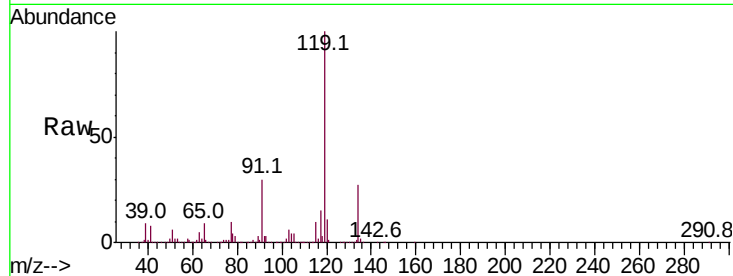


#69
 p-Isopropyltoluene
 Concen: 9.874 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:119 Resp: 3908989

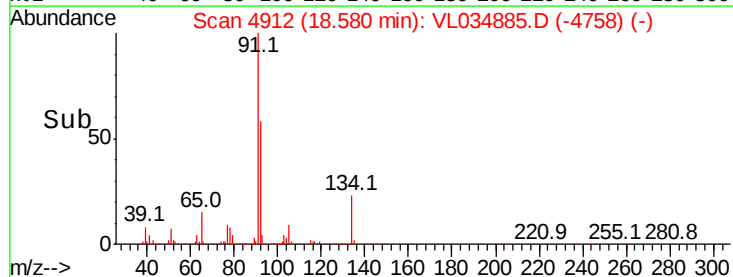
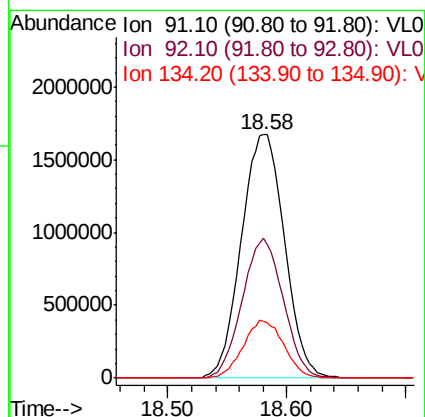
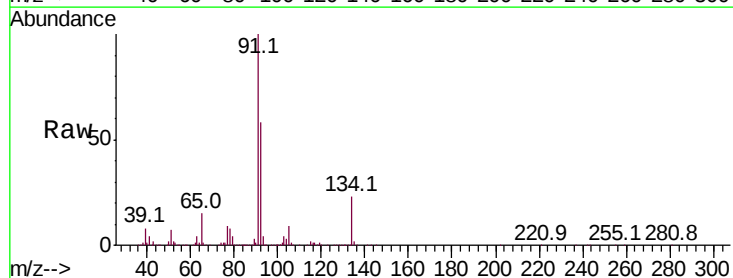
Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	30.0	23.4	35.2

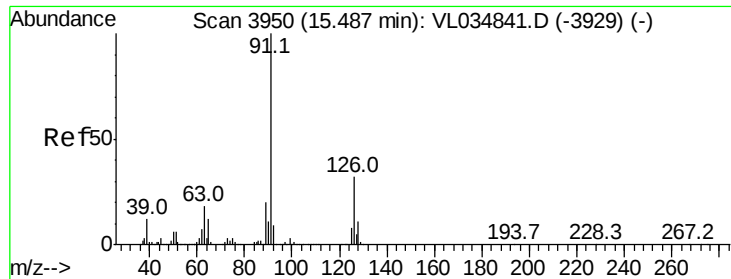


#70
 n-Butylbenzene
 Concen: 10.402 ppbv
 RT: 18.58 min Scan# 4912
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion: 91 Resp: 4201845

Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.8	65.6
134	22.4	19.0	28.4





#71

2-Chlorotoluene

Concen: 9.980 ppbv

RT: 15.48 min Scan# 3948

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

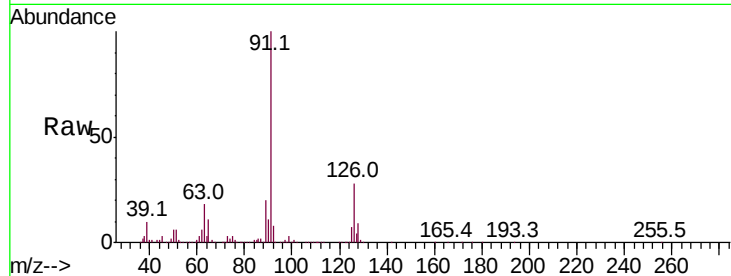
VSTDCCC010

Tot Ion: 91 Resp: 2943932

Ion Ratio Lower Upper

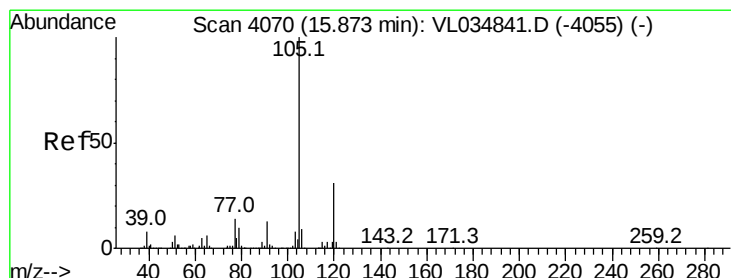
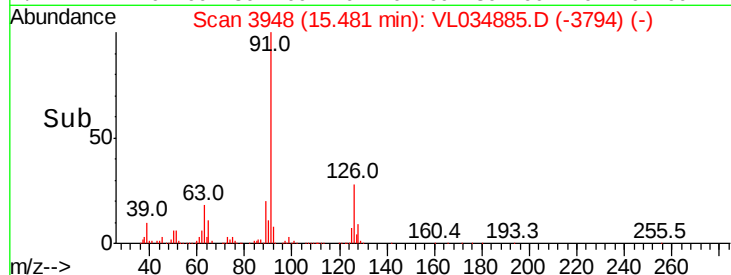
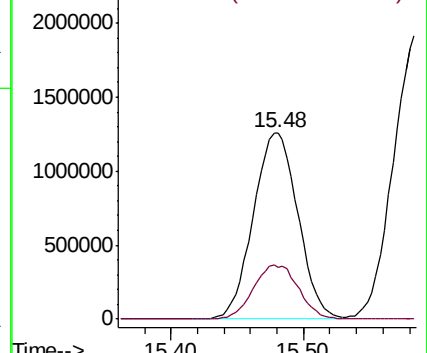
91 100

126 29.4 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: 10.074 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Tgt Ion:105 Resp: 3064785

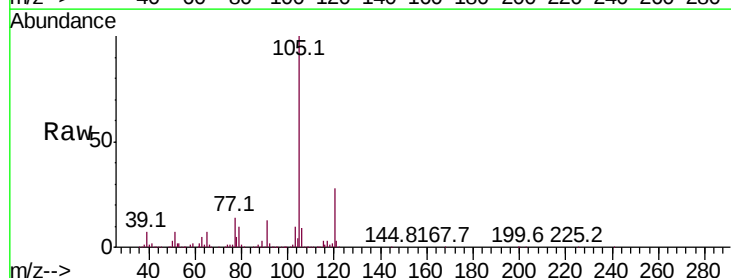
Ion Ratio Lower Upper

105 100

120 28.9 23.7 35.5

91 13.2 10.5 15.7

77 14.2 11.1 16.7

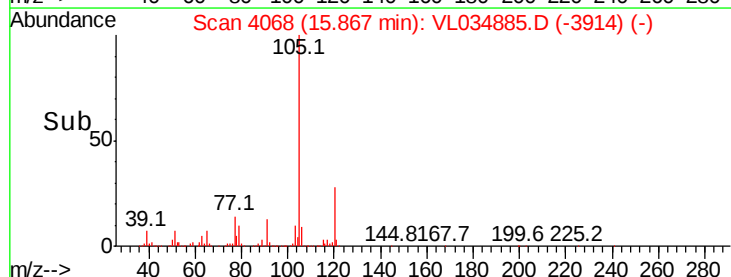
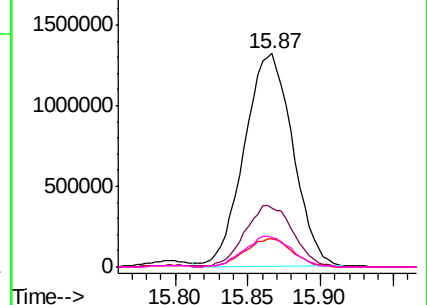


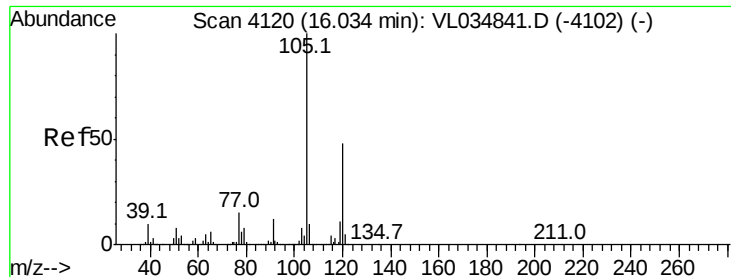
Abundance Ion 105.10 (104.80 to 105.80): V

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: 10.103 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

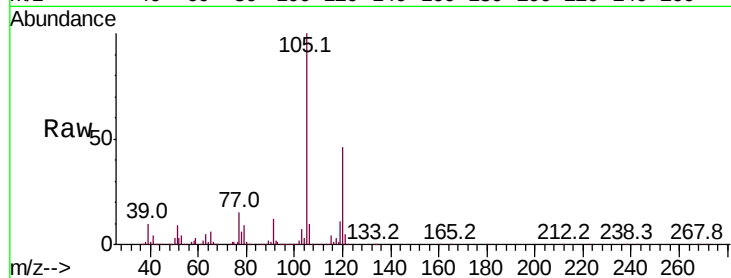
VSTDCCC010

Tot Ion:105 Resp: 2877030

Ion Ratio Lower Upper

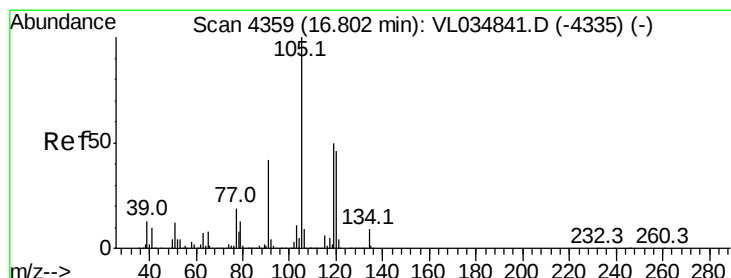
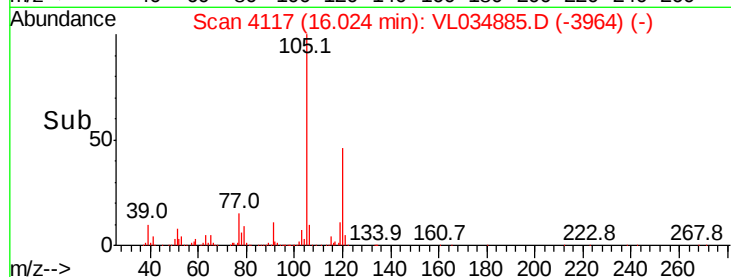
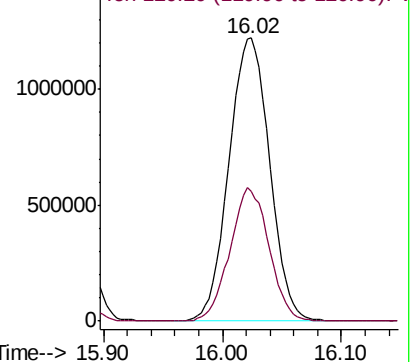
105 100

120 45.8 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: 10.133 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Tgt Ion:105 Resp: 2973116

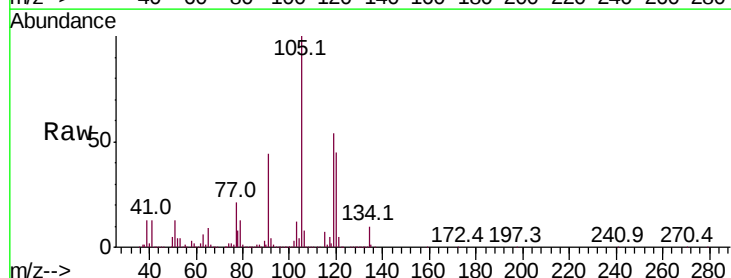
Ion Ratio Lower Upper

105 100

120 45.3 37.0 55.4

91 44.2 33.8 50.6

77 21.1 15.4 23.0

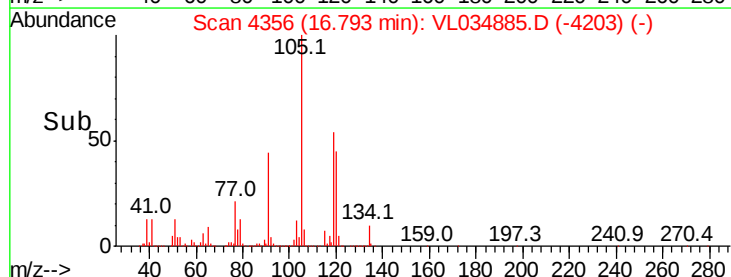
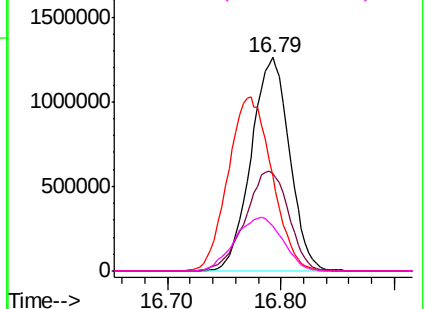


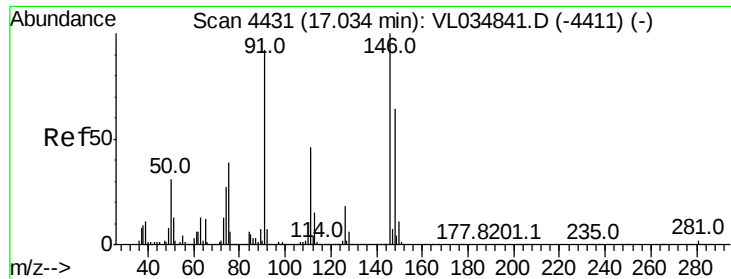
Abundance Ion 105.10 (104.80 to 105.80): V

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



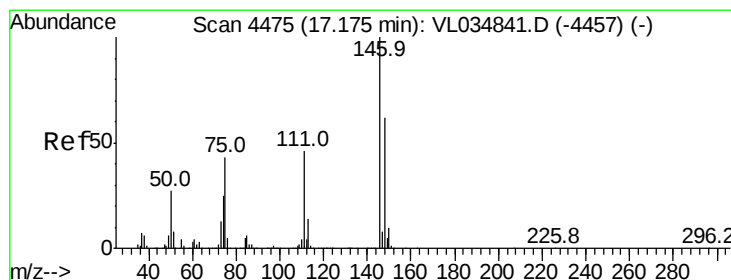
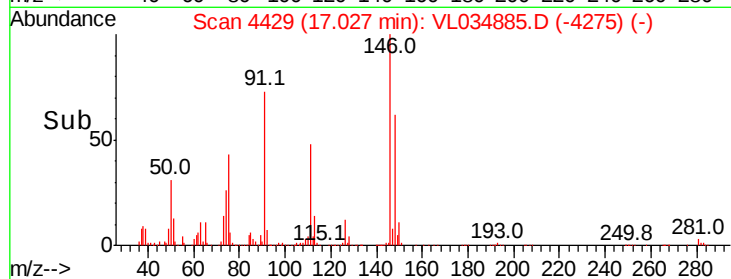
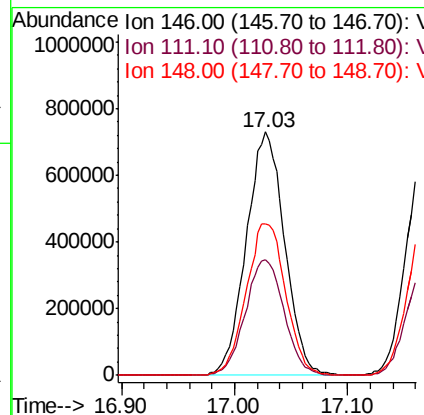
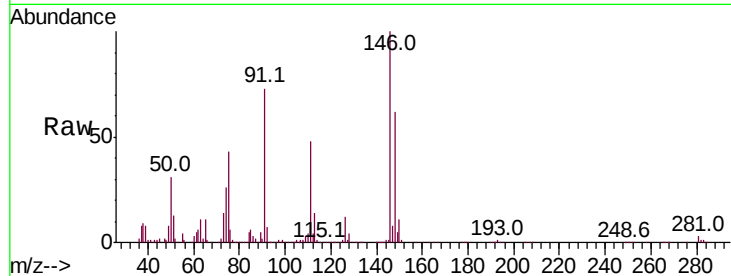


#75
 1,3-Dichlorobenzene
 Concen: 9.728 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 1720922

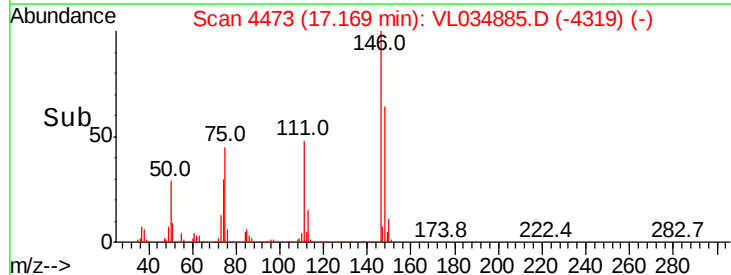
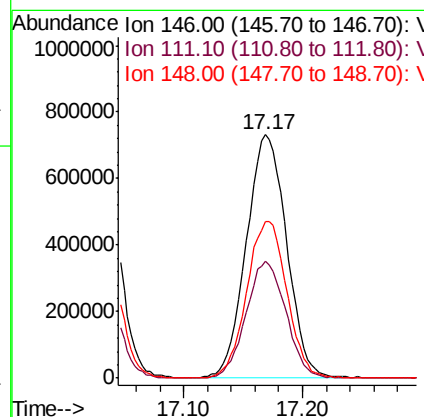
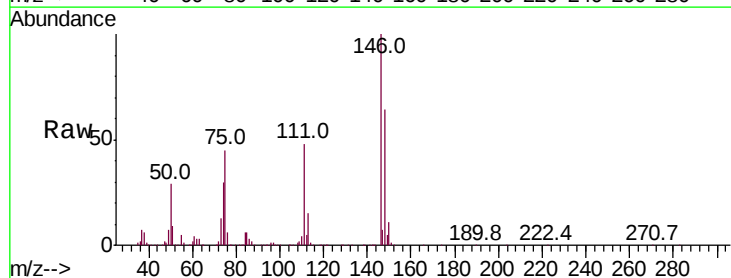
Ion	Ratio	Lower	Upper
146	100		
111	48.0	23.9	71.7
148	64.0	32.5	97.5

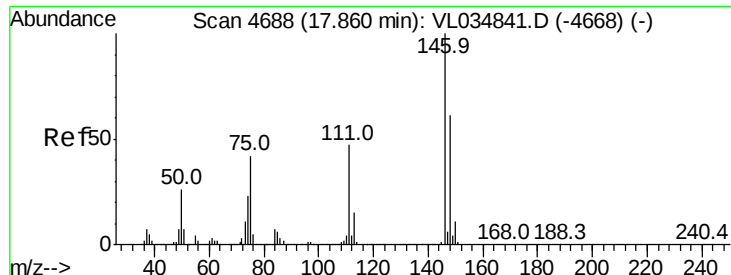


#76
 1,4-Dichlorobenzene
 Concen: 9.661 ppbv
 RT: 17.17 min Scan# 4473
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion:146 Resp: 1705516

Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.4	70.2
148	64.9	32.3	96.9





#77

1,2-Dichlorobenzene

Concen: 9.665 ppbv

RT: 17.85 min Scan# 4684

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

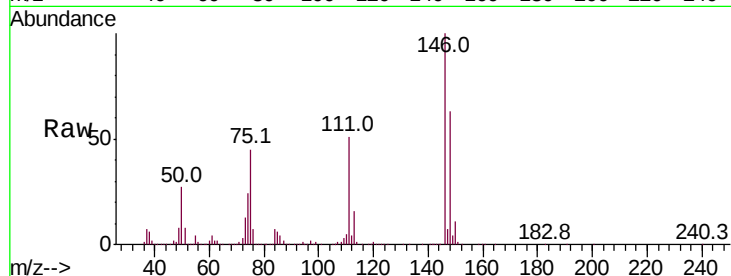
Tot Ion:146 Resp: 1657421

Ion Ratio Lower Upper

146 100

111 50.5 23.8 71.4

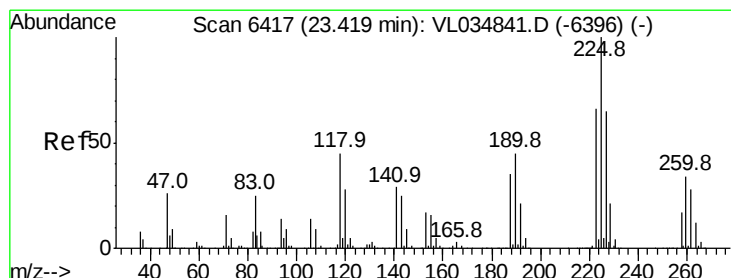
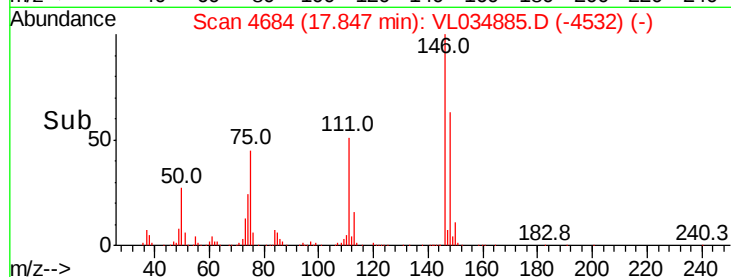
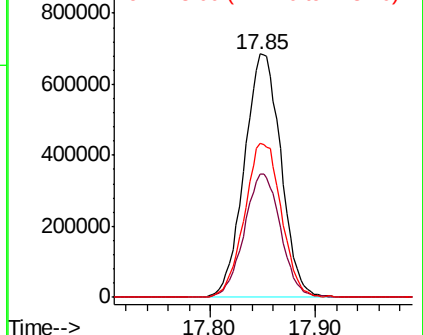
148 63.9 31.6 94.8



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: 9.574 ppbv

RT: 23.41 min Scan# 6414

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

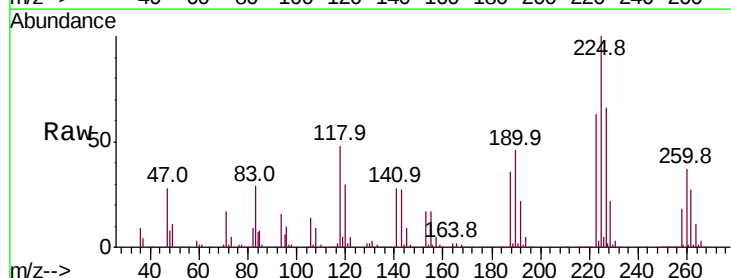
Tgt Ion:225 Resp: 1371311

Ion Ratio Lower Upper

225 100

223 63.1 51.1 76.7

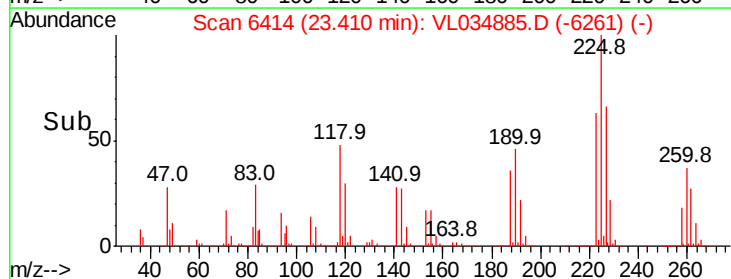
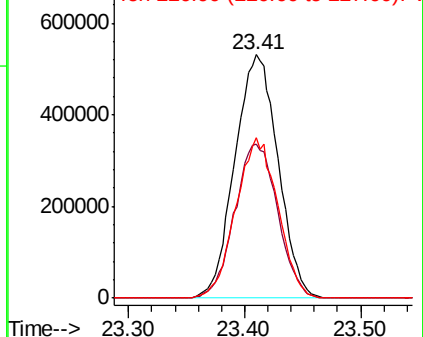
227 64.1 51.8 77.6

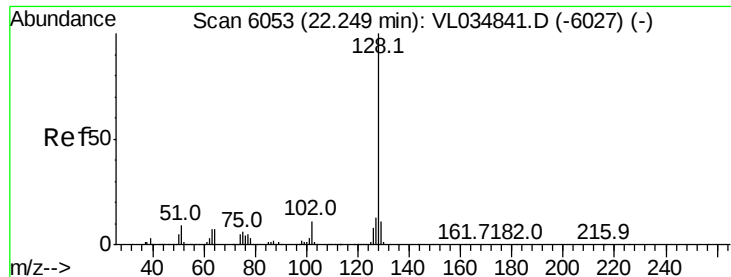


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 12.361 ppbv

RT: 22.25 min Scan# 6052

Delta R.T. -0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

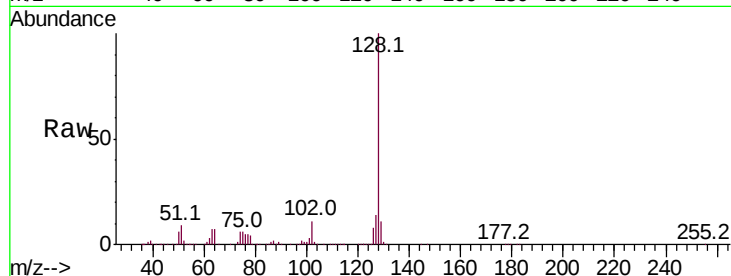
Tot Ion:128 Resp: 2828329

Ion Ratio Lower Upper

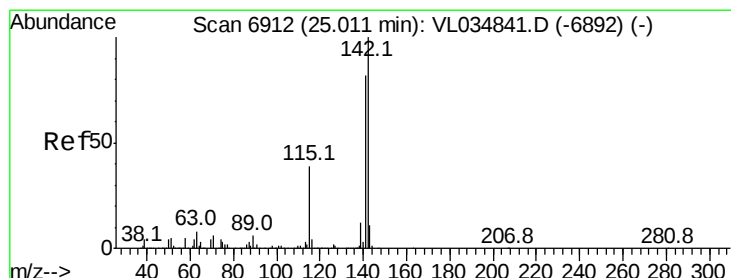
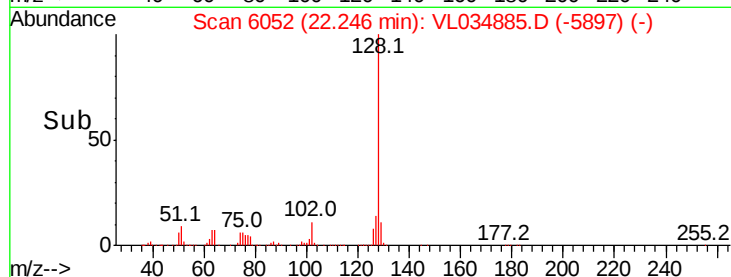
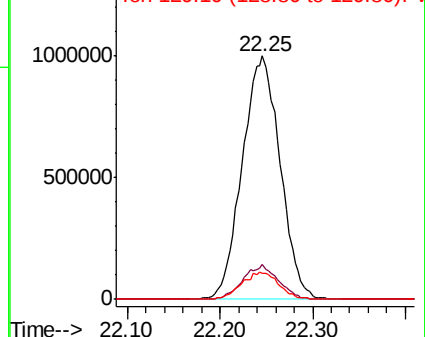
128 100

127 14.2 10.2 15.2

129 10.9 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: 19.185 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. -0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

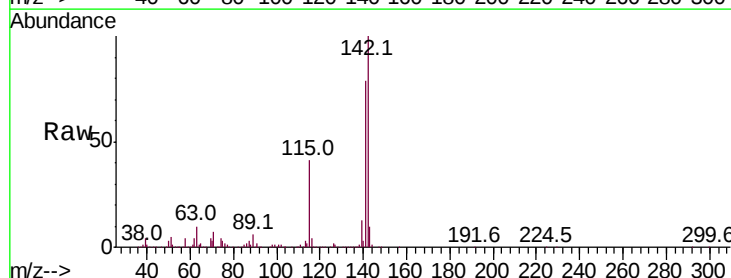
Tgt Ion:142 Resp: 1147158

Ion Ratio Lower Upper

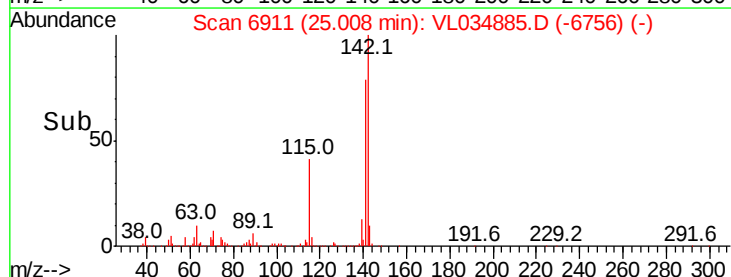
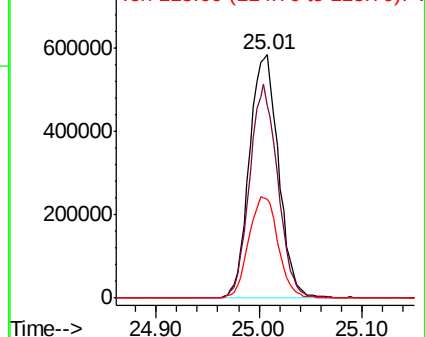
142 100

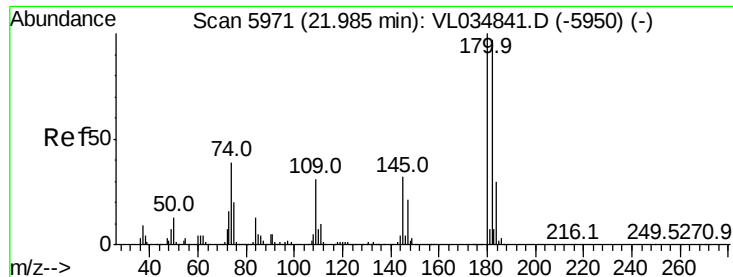
141 84.9 68.9 103.3

115 42.1 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: 11.015 ppbv

RT: 21.97 min Scan# 5967

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

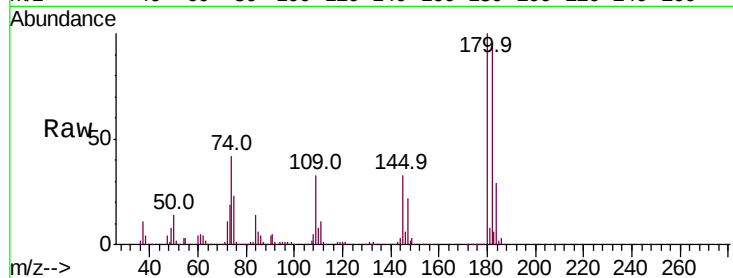
Tot Ion:180 Resp: 1601291

Ion Ratio Lower Upper

180 100

182 96.6 76.6 115.0

184 30.8 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

