

Data File : VL033872.D
Acq On : 30 May 2019 16:00
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: May 31 07:08:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	740031	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1673647	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2245861	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1437007	7.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.07	85	1314937	8.431	ppbv	97
3) Chlorodifluoromethane	3.01	51	1010914	11.926	ppbv	98
4) Chloromethane	3.16	50	583944	12.044	ppbv	99
5) Vinyl Chloride	3.29	62	584695	11.839	ppbv	99
6) Bromomethane	3.51	94	370755	12.303	ppbv	99
7) Chloroethane	3.60	64	219597	12.511	ppbv	93
8) Dichlorotetrafluoroethane	3.22	85	1543324	12.274	ppbv	99
9) Propene	3.03	41	429977	11.926	ppbv	98
10) Heptane	8.24	43	1103921	10.812	ppbv	100
11) Trichlorofluoromethane	4.00	101	1821451	12.237	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1237214	11.903	ppbv	99
13) Ethanol	3.64	45	99867	8.570	ppbv	100
14) Bromoethene	3.78	108	487644	12.761	ppbv	99
15) Acetone	3.89	43	1129878	11.004	ppbv	99
16) 1,3-Butadiene	3.36	39	522848	12.787	ppbv	100
17) tert-Butyl alcohol	4.35	59	1102191	13.275	ppbv	99
18) 1,1-Dichloroethene	4.34	96	539131	12.289	ppbv	99
19) Isopropyl Alcohol	4.02	45	825657	12.472	ppbv	100
20) Methylene Chloride	4.40	84	458191	11.590	ppbv	98
21) Allyl Chloride	4.47	41	775756	12.113	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	551095	12.255	ppbv	93
23) Vinyl Acetate	5.15	43	1601582	11.830	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1157707	11.250	ppbv	99
25) Ethyl Acetate	5.76	43	2000973	11.094	ppbv	100
26) Hexane	5.77	57	871661	11.241	ppbv	97
27) Carbon Disulfide	4.62	76	1355345	12.741	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1514869	11.984	ppbv	100
29) Chloroform	5.84	83	1524259	10.672	ppbv	99
30) Cyclohexane	7.24	84	710616	10.901	ppbv	98
31) cis-1,2-Dichloroethene	5.63	61	890627	11.584	ppbv	96
32) 1,1,1-Trichloroethane	6.61	97	1606828	11.267	ppbv	99
34) 2-Butanone	5.32	43	1267031	12.213	ppbv	99
35) Carbon Tetrachloride	7.13	117	1711829	12.768	ppbv	99
36) Benzene	7.00	78	1743225	11.450	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1190358	12.121	ppbv	99
38) Trichloroethene	7.96	130	739637	13.093	ppbv	99
39) 1,2-Dichloropropane	7.73	63	657269	11.580	ppbv	98
40) 1,4-Dioxane	7.95	88	280248	11.803	ppbv #	99
41) Tetrahydrofuran	6.14	42	684913	11.783	ppbv	99
42) Bromodichloromethane	7.91	83	1651209	12.281	ppbv	99
43) Methyl Methacrylate	8.13	69	708084	12.638	ppbv	99

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VSTDCCC010EC

Quant Time: May 31 07:08:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3025363	11.758	ppbv	98
45) t-1,3-Dichloropropene	9.41	75	971226	13.673	ppbv	99
46) cis-1,3-Dichloropropene	8.83	75	1093449	13.147	ppbv	99
47) 1,1,2-Trichloroethane	9.61	97	752588	11.671	ppbv	98
48) Dibromochloromethane	10.44	129	1435380	12.847	ppbv	100
49) Bromoform	13.20	173	1283661	13.655	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	1938515	12.149	ppbv	99
51) 2-Hexanone	10.26	43	1592839	12.790	ppbv #	98
52) Tetrachloroethene	11.36	164	682838	12.759	ppbv	99
53) Toluene	9.94	91	2079144	12.662	ppbv	100
54) 1,2-Dibromoethane	10.75	107	1189822	12.091	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.27	131	973401	9.366	ppbv	97
57) Chlorobenzene	12.29	112	1662151	8.991	ppbv	99
58) Ethyl Benzene	12.86	91	2910684	9.787	ppbv	100
59) m/p-Xylene	13.14	91	2509967	9.654	ppbv #	33
60) o-Xylene	13.84	91	2518417	9.609	ppbv	100
61) Styrene	13.68	104	1813458	10.278	ppbv	99
62) Isopropylbenzene	14.82	105	3340702	9.465	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	1768751	9.281	ppbv	99
64) n-propylbenzene	15.71	120	889081	9.739	ppbv	99
65) tert-Butylbenzene	16.90	119	3181397	9.873	ppbv	98
66) Benzyl Chloride	17.15	91	1634817	10.652	ppbv	100
67) sec-Butylbenzene	17.45	105	4402463	9.761	ppbv	99
69) p-Isopropyltoluene	17.81	119	3695295	9.913	ppbv	99
70) n-Butylbenzene	18.71	91	3844030	9.616	ppbv	100
71) 2-Chlorotoluene	15.61	91	2563001	9.788	ppbv	100
72) 4-Ethyltoluene	15.99	105	3015392	10.063	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	2893544	9.897	ppbv	98
74) 1,2,4-Trimethylbenzene	16.92	105	3063674	9.629	ppbv	98
75) 1,3-Dichlorobenzene	17.16	146	1770576	9.081	ppbv	100
76) 1,4-Dichlorobenzene	17.30	146	1739320	9.386	ppbv	100
77) 1,2-Dichlorobenzene	17.98	146	1680027	9.170	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1185305	8.557	ppbv	99
79) Naphthalene	22.40	128	2184917	7.393	ppbv	99
80) Naphthalene,2-methyl-	25.11	142	821861	7.319	ppbv	99
81) 1,2,4-Trichlorobenzene	22.12	180	1295808	7.488	ppbv	98

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

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Misc         : 400ml/MSVOA_L
ALS Vial     : 1      Sample Multipl
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Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

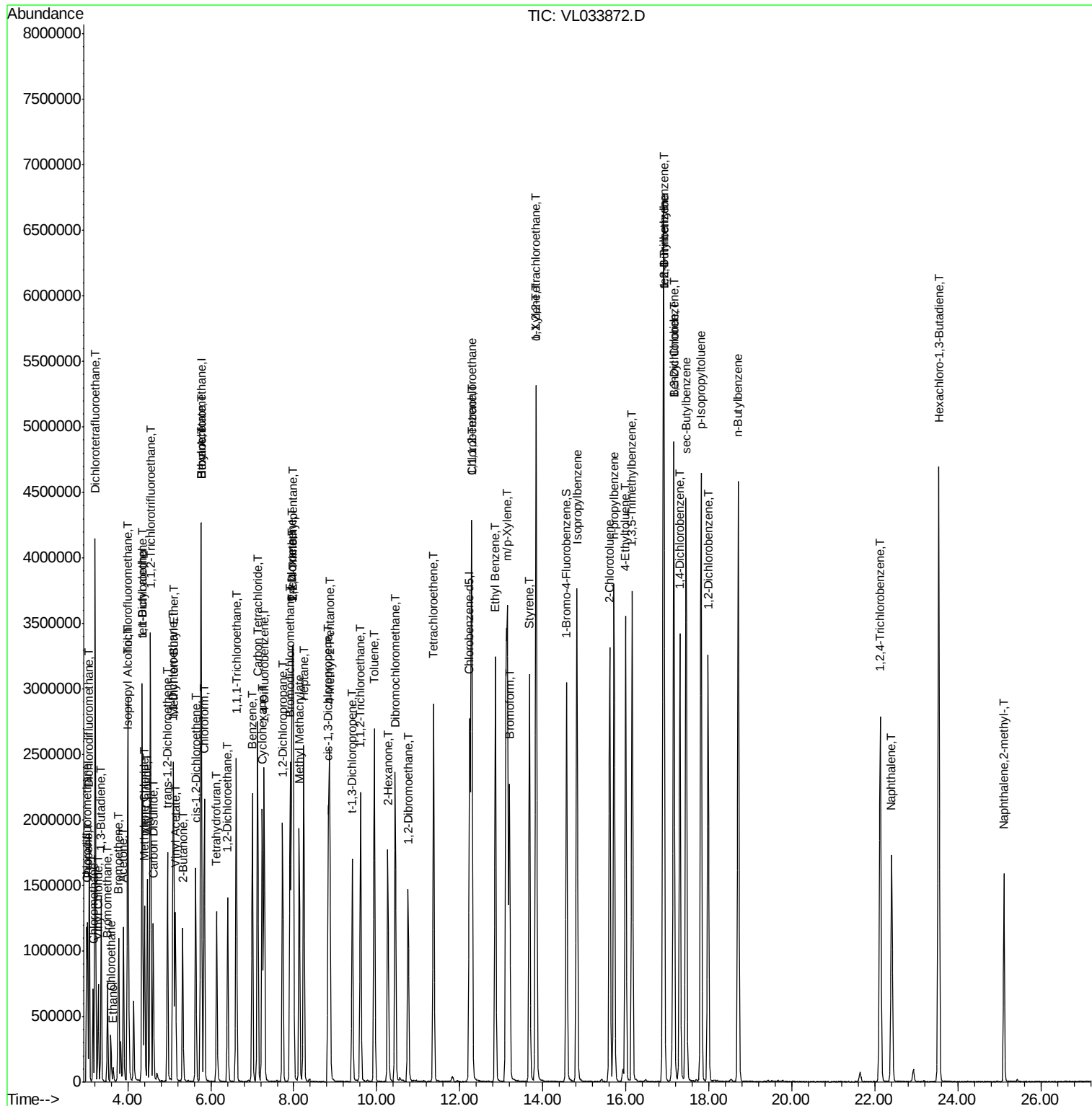
Quant Time: May 31 07:08:44 2019

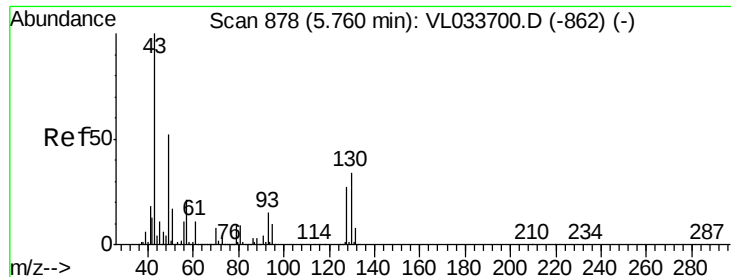
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL051719AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri May 17 08:15:41 2019

QLast Update : Fri May 17 08:15:41 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

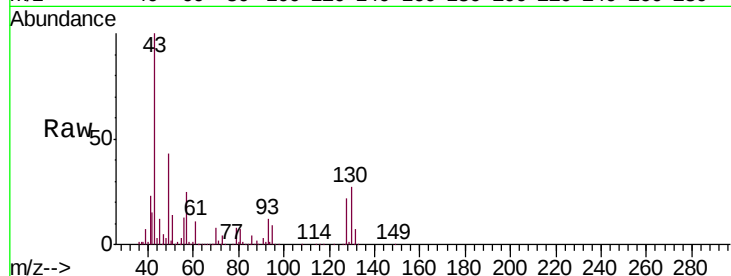
Tgt Ion: 49 Resp: 740031

Ion Ratio Lower Upper

49 100

128 50.4 25.2 75.6

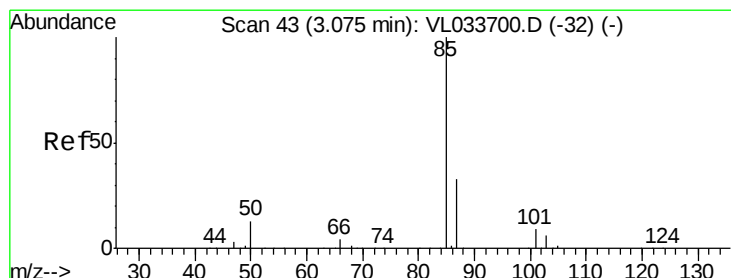
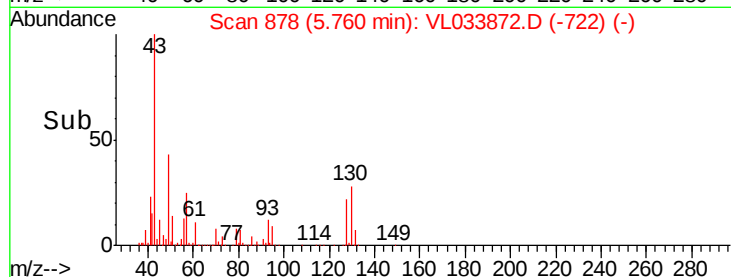
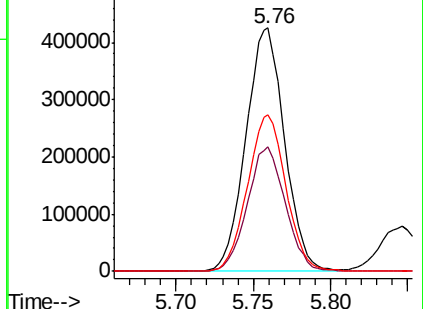
130 64.1 32.5 97.5



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: 8.431 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033872.D

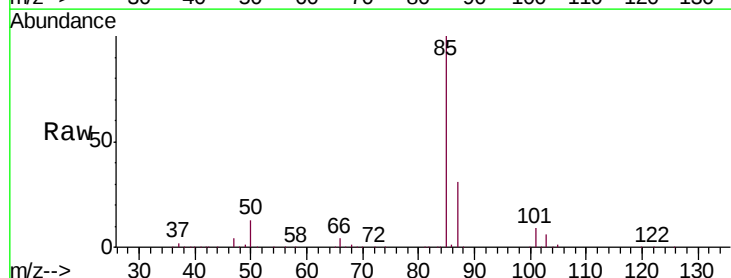
Acq: 30 May 2019 16:00

Tgt Ion: 85 Resp: 1314937

Ion Ratio Lower Upper

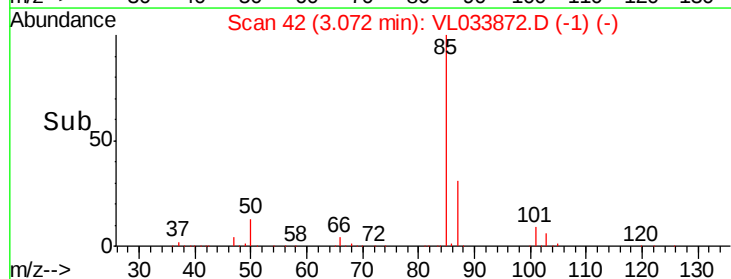
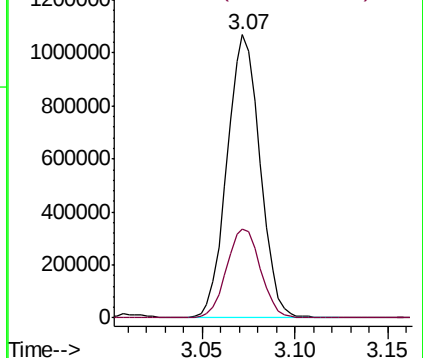
85 100

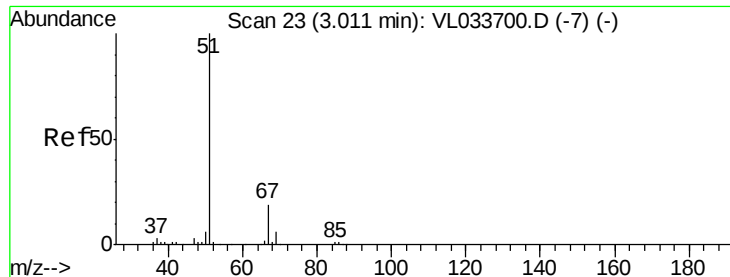
87 31.2 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

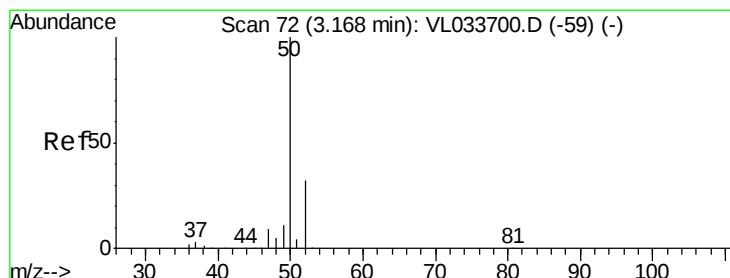
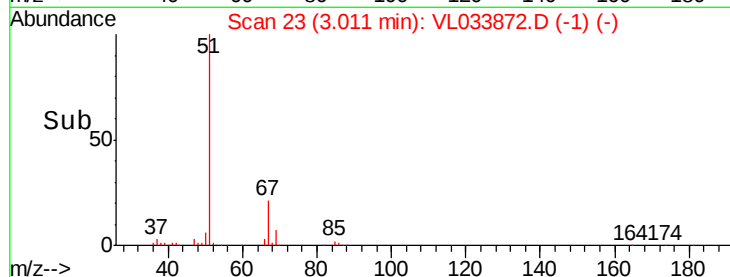
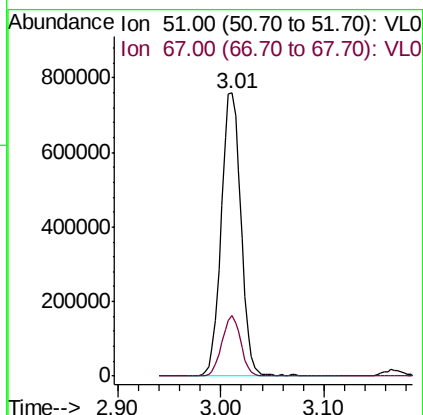
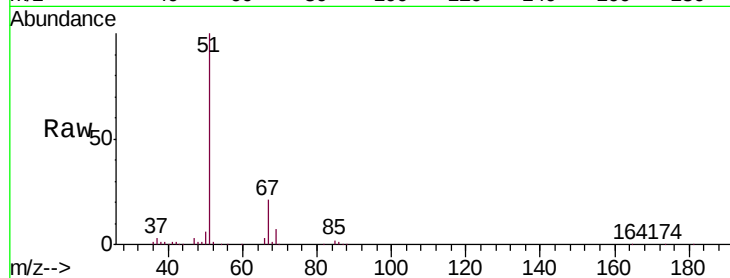




#3
Chlorodifluoromethane
Concen: 11.926 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

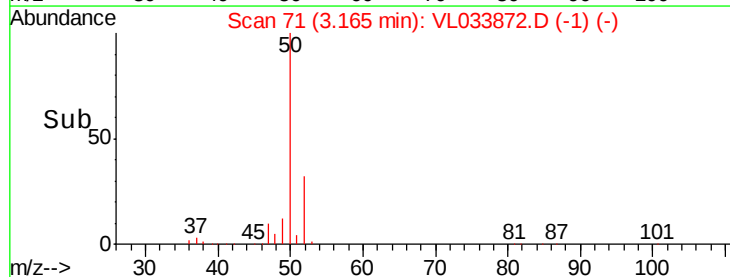
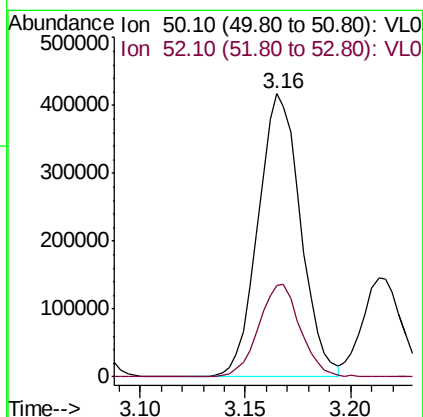
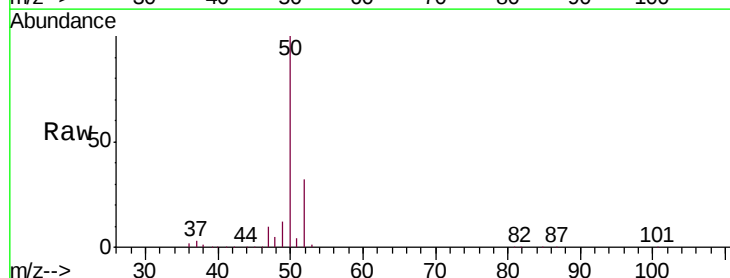
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

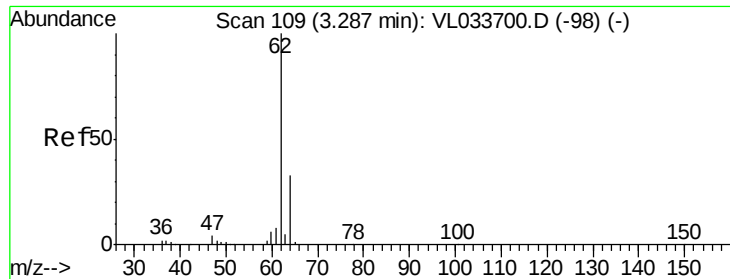
Tgt Ion: 51 Resp: 1010914
Ion Ratio Lower Upper
51 100
67 20.6 15.6 23.4



#4
Chloromethane
Concen: 12.044 ppbv
RT: 3.16 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion: 50 Resp: 583944
Ion Ratio Lower Upper
50 100
52 32.5 25.7 38.5





#5

Vinyl Chloride

Concen: 11.839 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

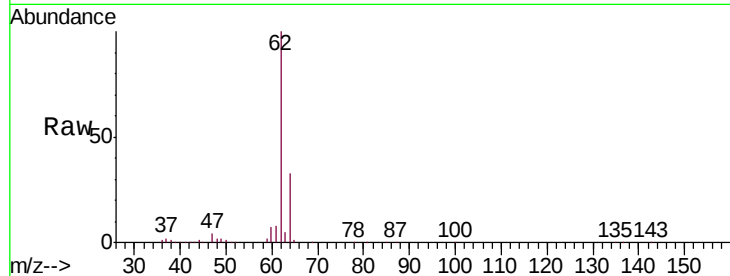
VSTDCCC010EC

Tgt Ion: 62 Resp: 584695

Ion Ratio Lower Upper

62 100

64 32.6 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.29

400000

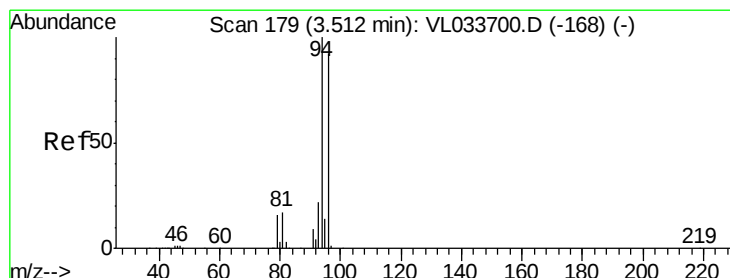
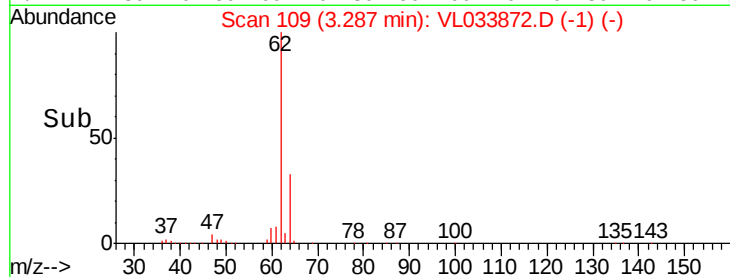
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 12.303 ppbv

RT: 3.51 min Scan# 178

Delta R.T. -0.00 min

Lab File: VL033872.D

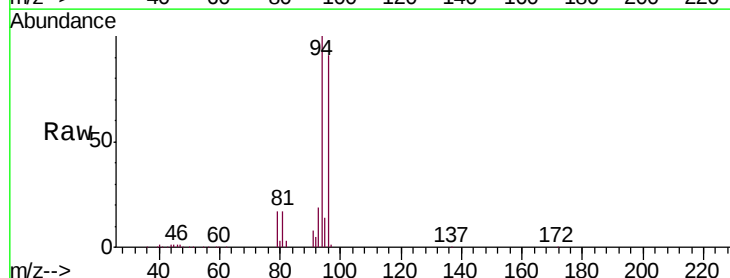
Acq: 30 May 2019 16:00

Tgt Ion: 94 Resp: 370755

Ion Ratio Lower Upper

94 100

96 91.0 73.6 110.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.51

300000

250000

200000

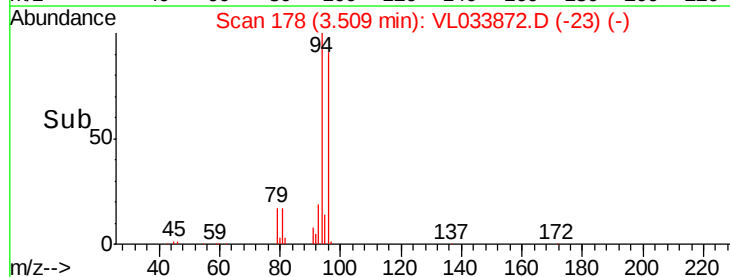
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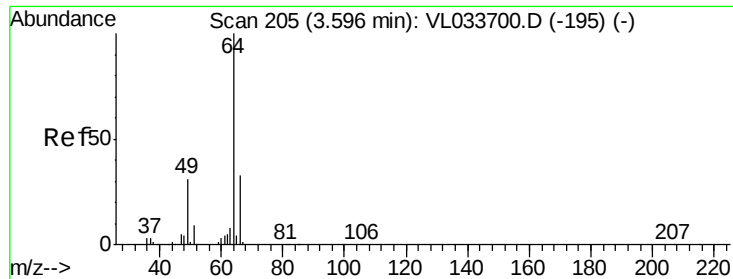
100000

50000

0

Time-->





#7

Chloroethane

Concen: 12.511 ppbv

RT: 3.60 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

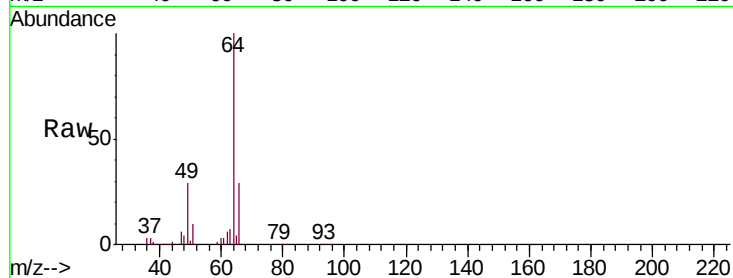
VSTDCCC010EC

Tgt Ion: 64 Resp: 219597

Ion Ratio Lower Upper

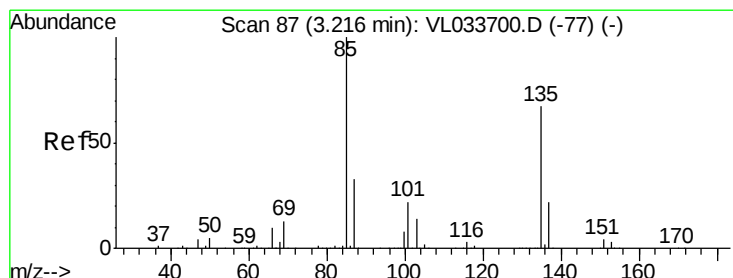
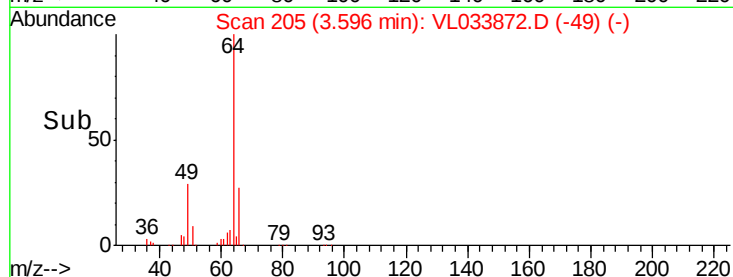
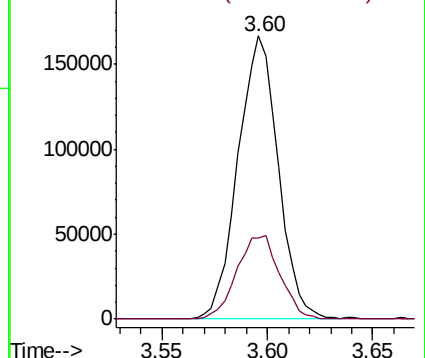
64 100

66 29.1 26.6 40.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 12.274 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033872.D

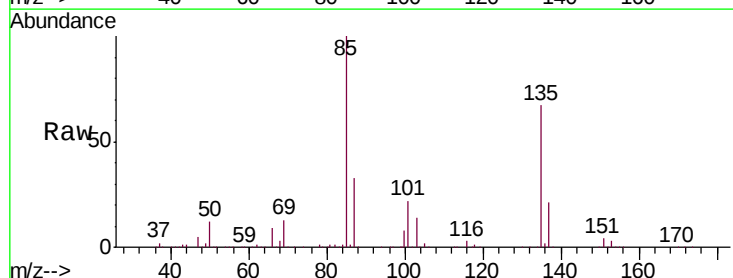
Acq: 30 May 2019 16:00

Tgt Ion: 85 Resp: 1543324

Ion Ratio Lower Upper

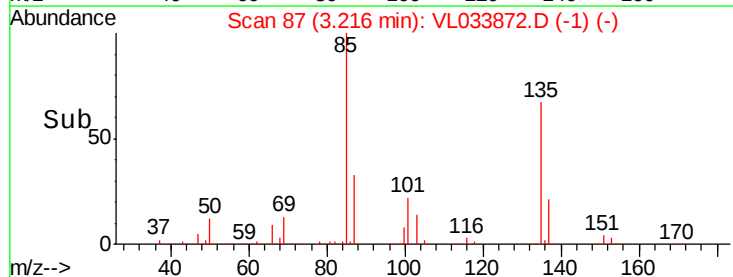
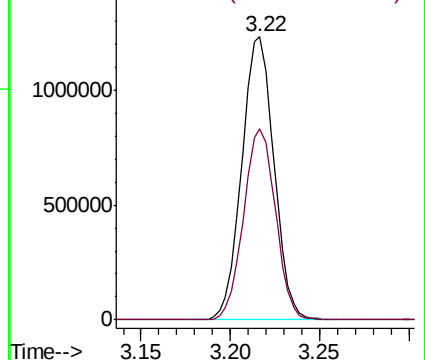
85 100

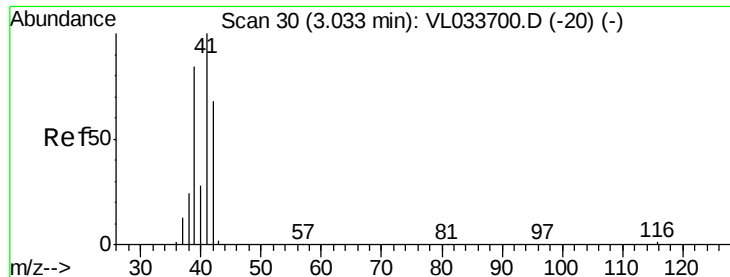
135 67.3 54.5 81.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 11.926 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033872.D

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Instrument :

MSVOA_L

ClientSampleId :

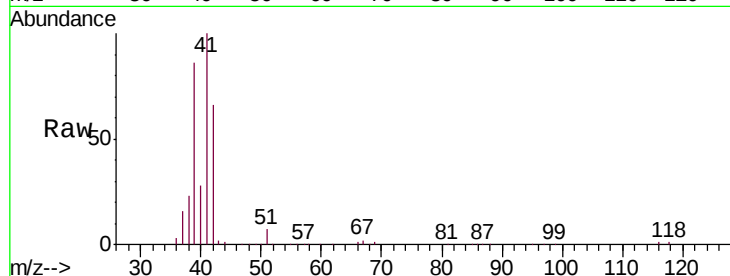
VSTDCCC010EC

Tgt Ion: 41 Resp: 429977

Ion Ratio Lower Upper

41 100

42 68.6 56.1 84.1



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.03

400000

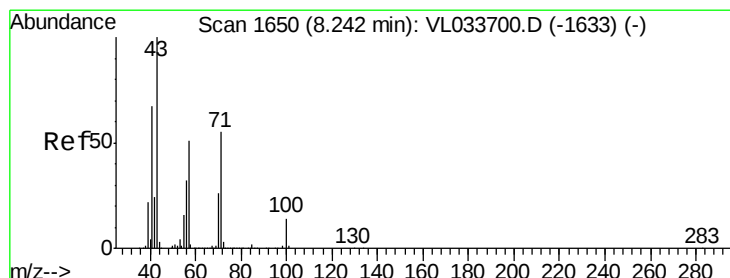
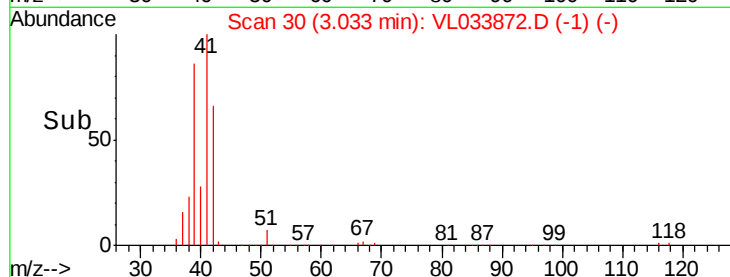
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 10.812 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VL033872.D

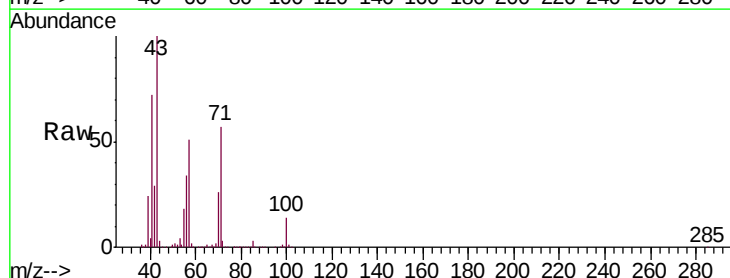
Acq: 30 May 2019 16:00

Tgt Ion: 43 Resp: 1103921

Ion Ratio Lower Upper

43 100

57 51.5 41.4 62.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.24

600000

500000

400000

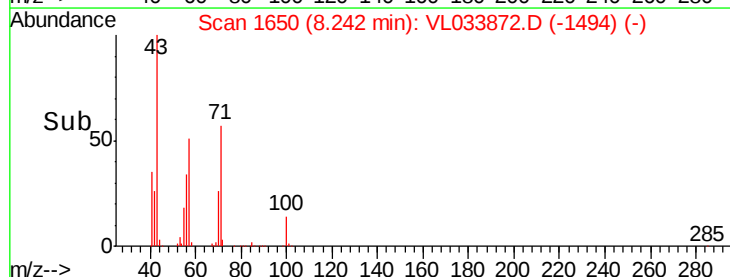
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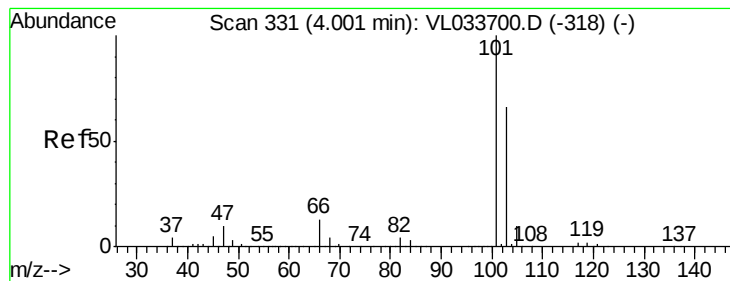
200000

100000

0

Time-->





#11

Trichlorofluoromethane

Concen: 12.237 ppbv

RT: 4.00 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

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MSVOA_L

ClientSampleId :

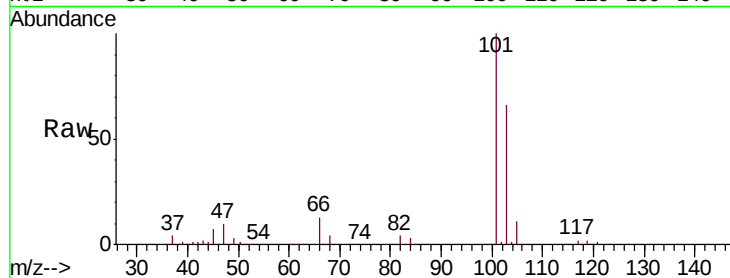
VSTDCCC010EC

Tgt Ion:101 Resp: 1821451

Ion Ratio Lower Upper

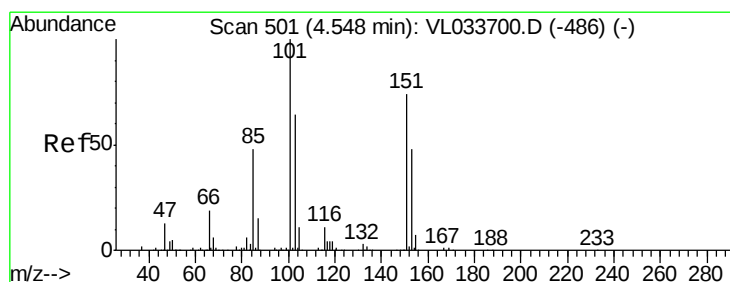
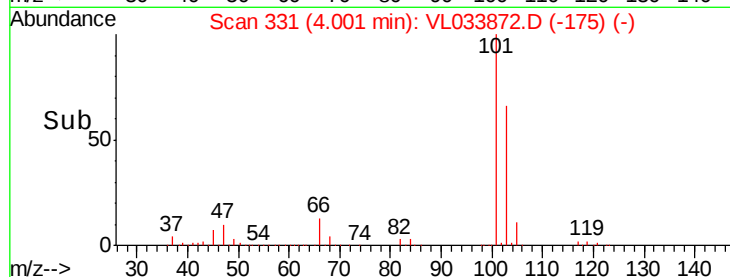
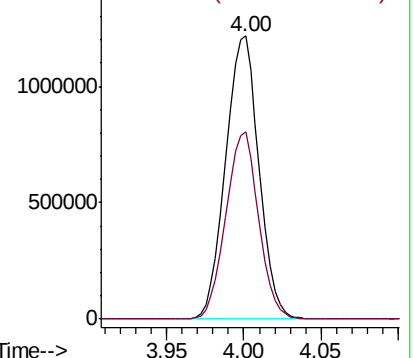
101 100

103 66.0 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 11.903 ppbv

RT: 4.55 min Scan# 501

Delta R.T. 0.00 min

Lab File: VL033872.D

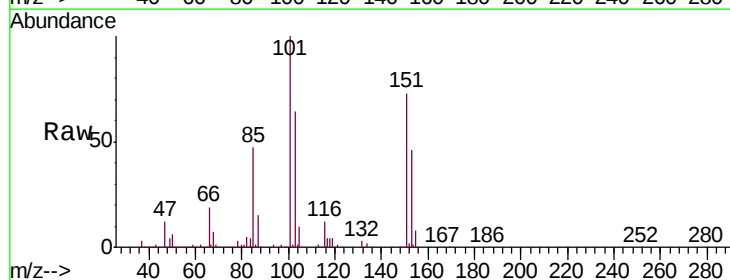
Acq: 30 May 2019 16:00

Tgt Ion:101 Resp: 1237214

Ion Ratio Lower Upper

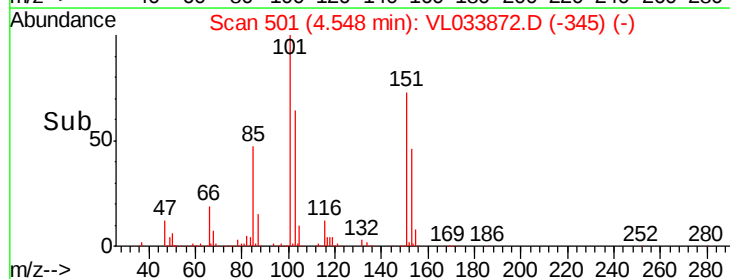
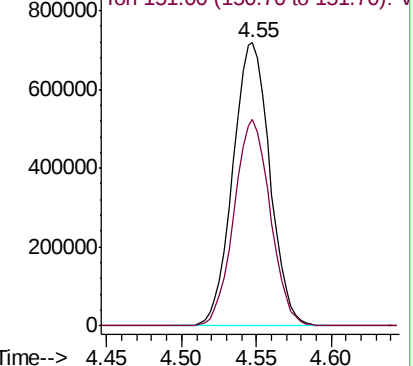
101 100

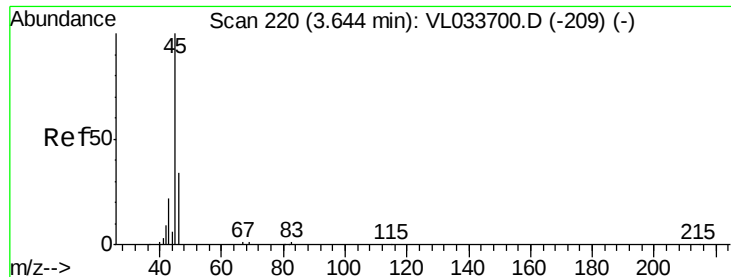
151 71.6 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.570 ppbv

RT: 3.64 min Scan# 220

Delta R.T. 0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

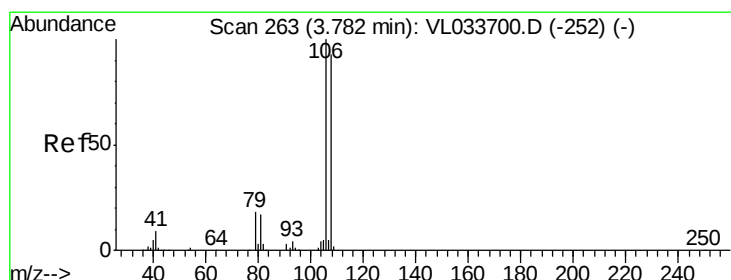
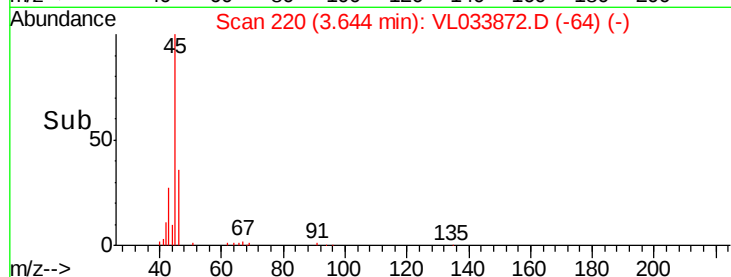
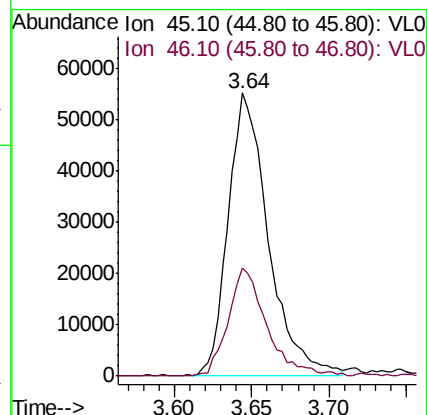
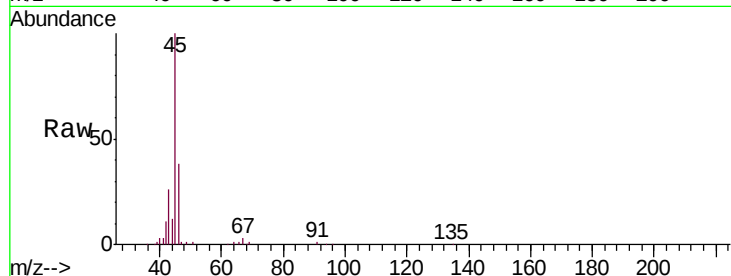
VSTDCCC010EC

Tgt Ion: 45 Resp: 99867

Ion Ratio Lower Upper

45 100

46 36.9 14.8 59.0



#14

Bromoethene

Concen: 12.761 ppbv

RT: 3.78 min Scan# 263

Delta R.T. 0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

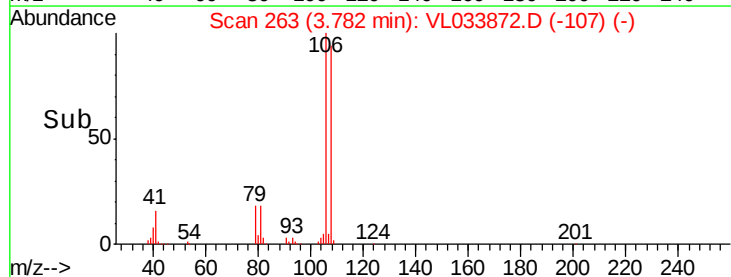
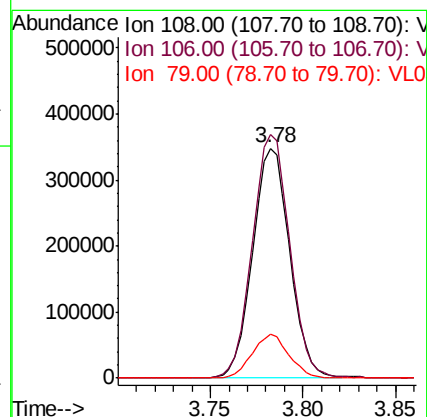
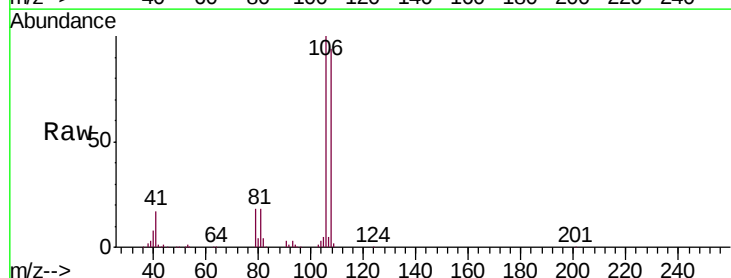
Tgt Ion: 108 Resp: 487644

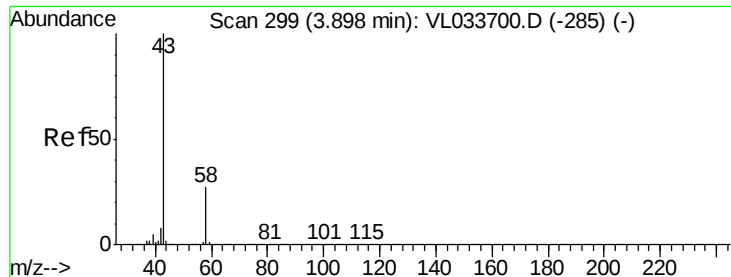
Ion Ratio Lower Upper

108 100

106 107.5 86.5 129.7

79 19.3 15.1 22.7

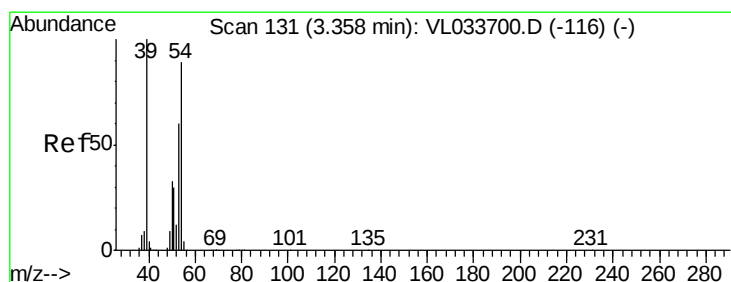
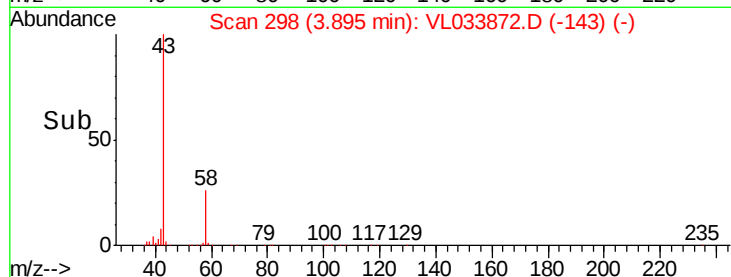
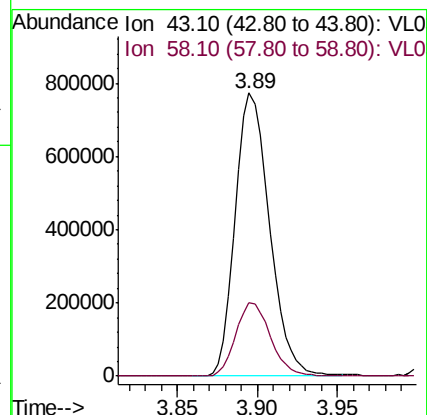
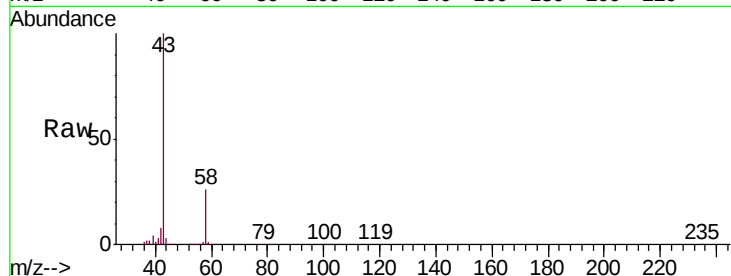




#15
Acetone
Concen: 11.004 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

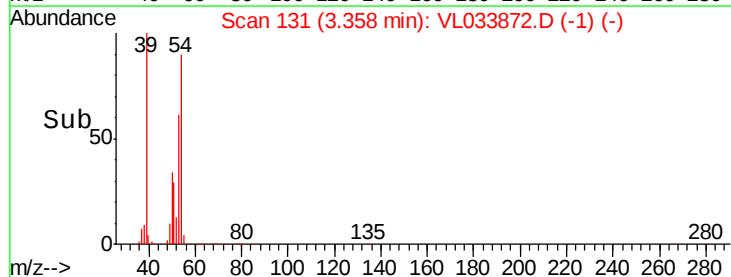
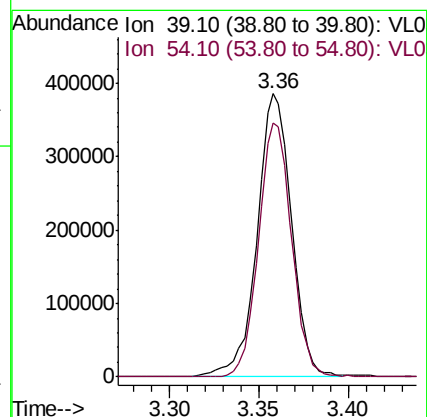
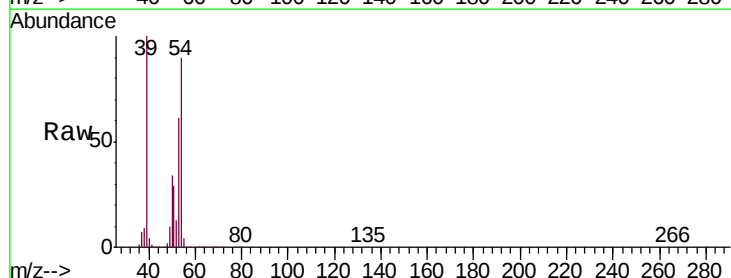
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

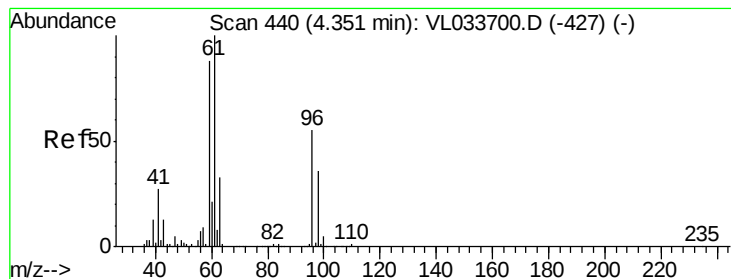
Tgt Ion: 43 Resp: 1129878
Ion Ratio Lower Upper
43 100
58 26.3 21.3 31.9



#16
1,3-Butadiene
Concen: 12.787 ppbv
RT: 3.36 min Scan# 131
Delta R.T. 0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion: 39 Resp: 522848
Ion Ratio Lower Upper
39 100
54 86.3 69.0 103.6





#17

tert-Butyl alcohol

Concen: 13.275 ppbv

RT: 4.35 min Scan# 440

Delta R.T. 0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

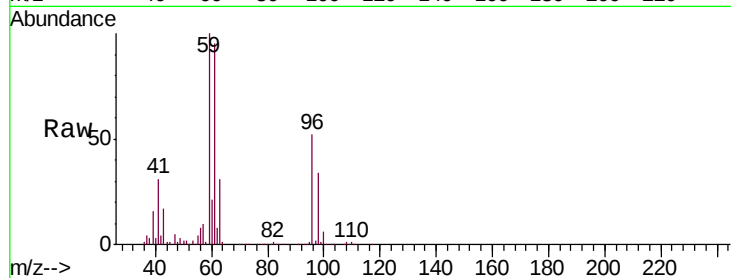
VSTDCCC010EC

Tgt Ion: 59 Resp: 1102191

Ion Ratio Lower Upper

59 100

57 10.7 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.35

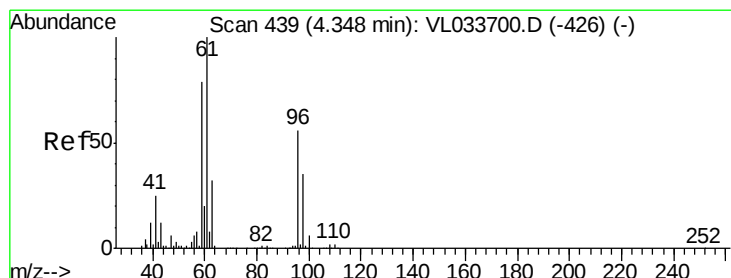
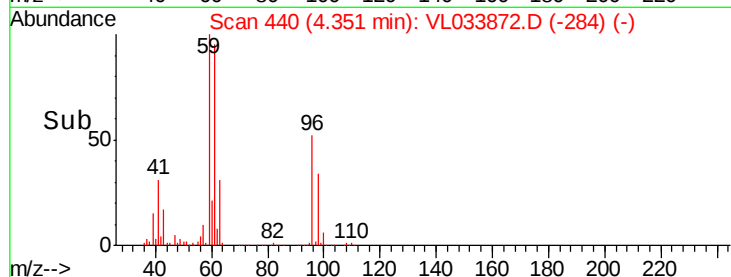
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 12.289 ppbv

RT: 4.34 min Scan# 438

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

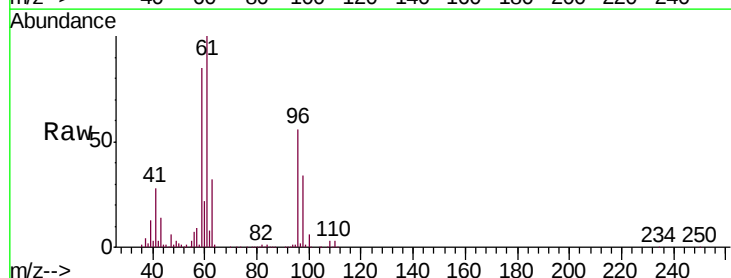
Tgt Ion: 96 Resp: 539131

Ion Ratio Lower Upper

96 100

61 178.5 143.1 214.7

98 60.9 49.5 74.3



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

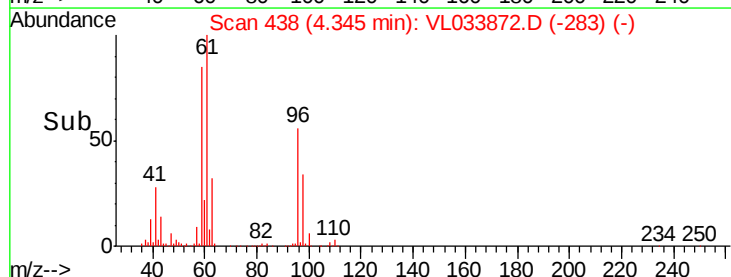
600000

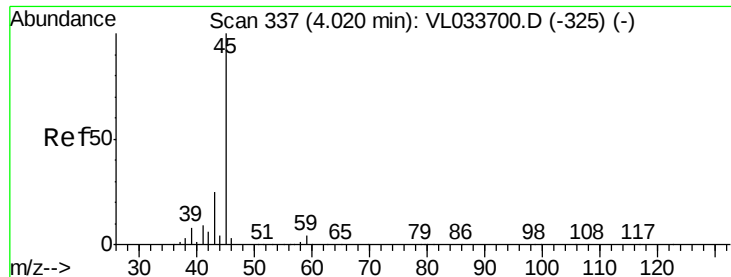
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 12.472 ppbv

RT: 4.02 min Scan# 336

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

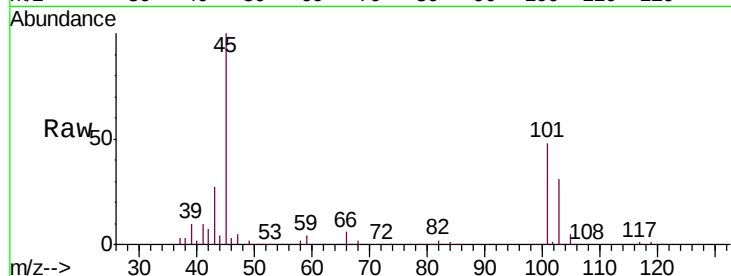
VSTDCCC010EC

Tgt Ion: 45 Resp: 825657

Ion Ratio Lower Upper

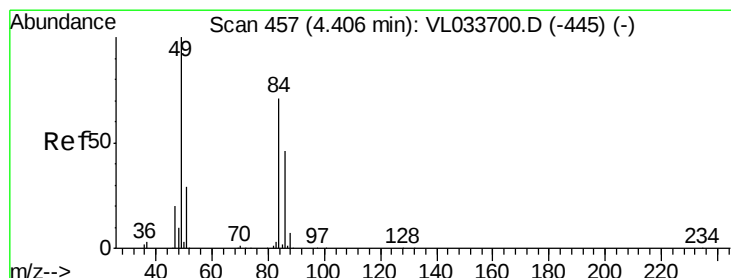
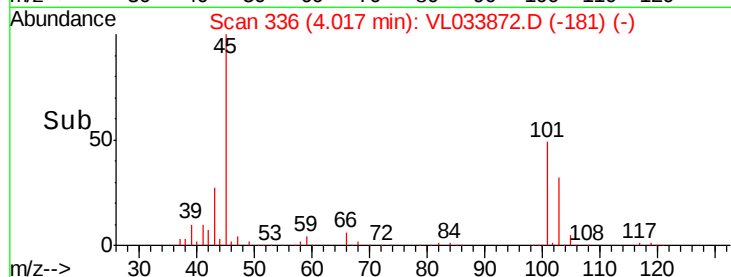
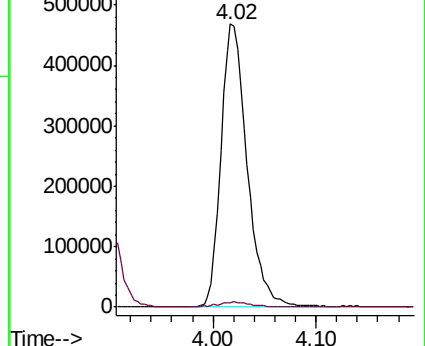
45 100

58 2.1 1.6 2.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 11.590 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Tgt Ion: 84 Resp: 458191

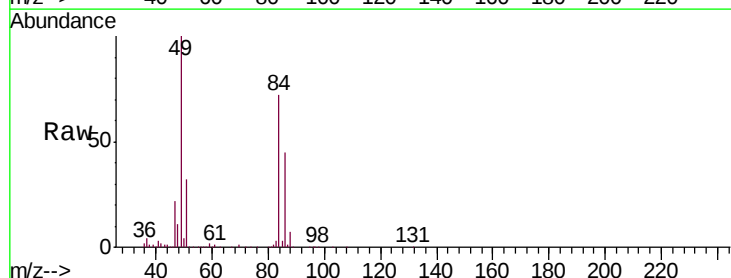
Ion Ratio Lower Upper

84 100

49 139.3 112.8 169.2

51 43.2 33.4 50.0

86 62.8 51.7 77.5

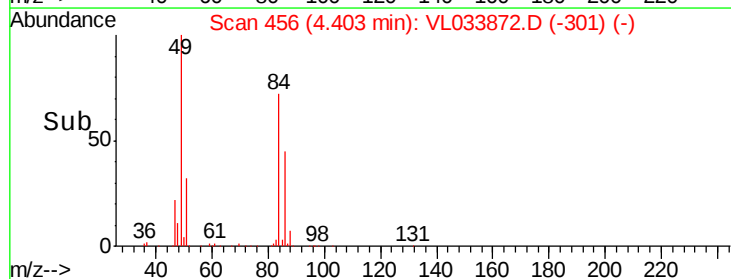
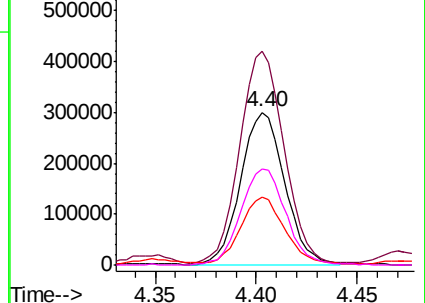


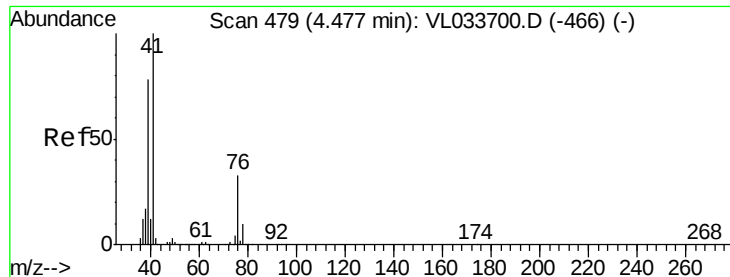
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allyl Chloride

Concen: 12.113 ppbv

RT: 4.47 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

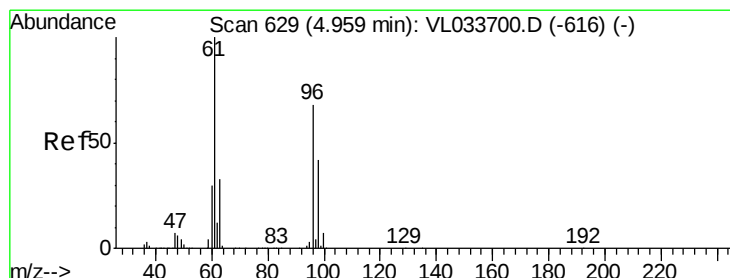
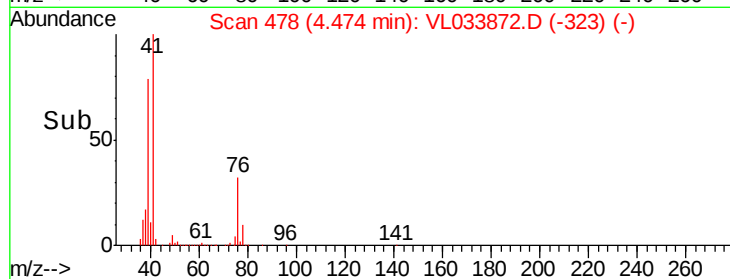
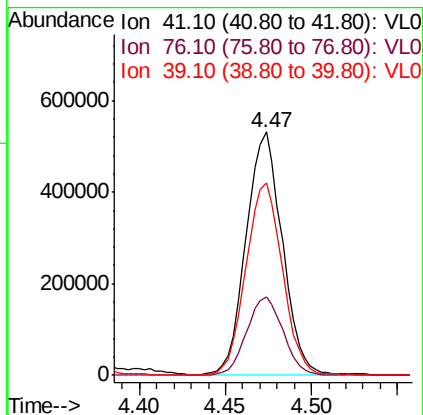
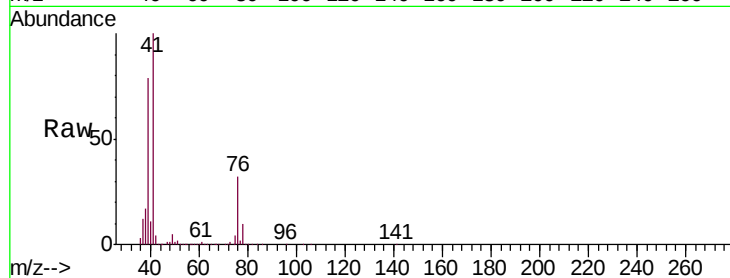
Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:	41	Resp:	775756
Ion	Ratio	Lower	Upper
41	100		
76	32.6	25.9	38.9
39	80.3	64.6	97.0



#22

trans-1,2-Dichloroethene

Concen: 12.255 ppbv

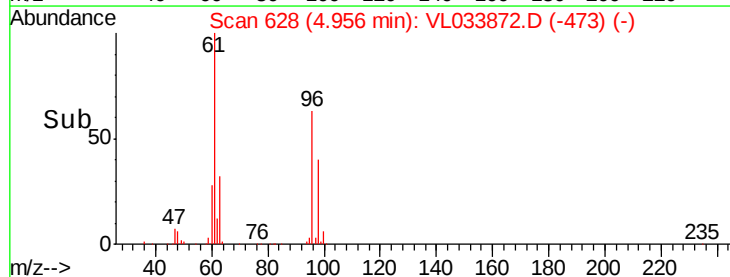
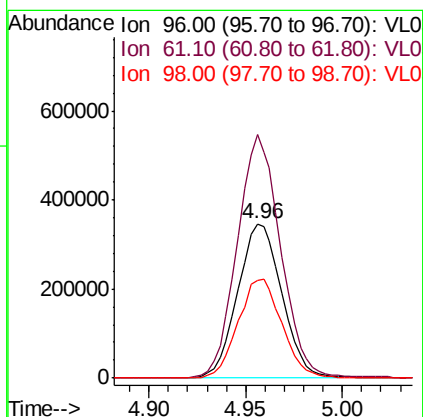
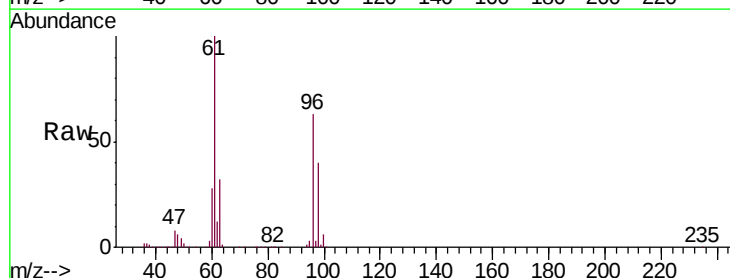
RT: 4.96 min Scan# 628

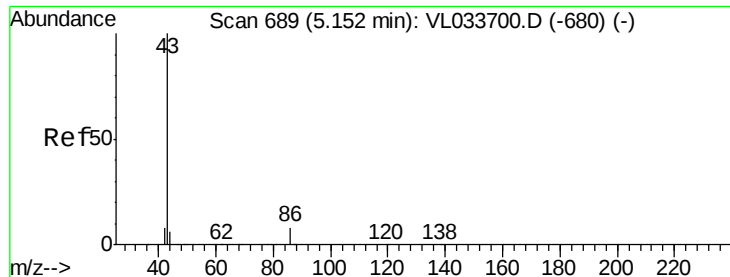
Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Tgt Ion:	96	Resp:	551095
Ion	Ratio	Lower	Upper
96	100		
61	157.8	116.8	175.2
98	63.2	49.4	74.0





#23

Vinyl Acetate

Concen: 11.830 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1601582

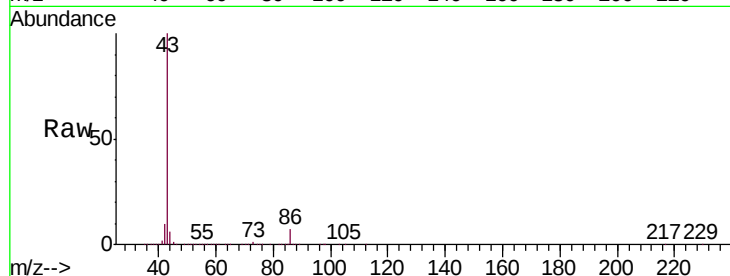
Ion Ratio Lower Upper

43 100

86 7.4 6.0 9.0

42 10.1 7.5 11.3

44 5.6 4.4 6.6

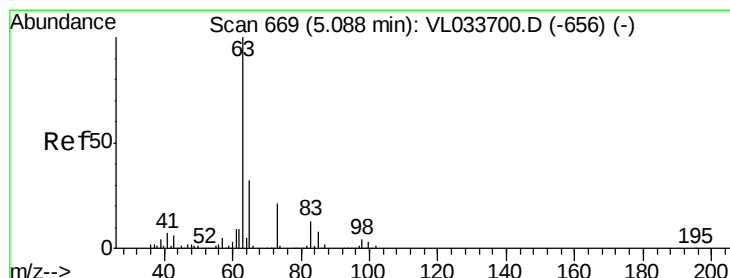
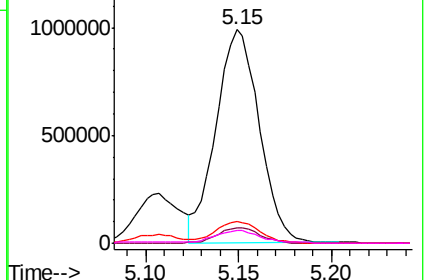
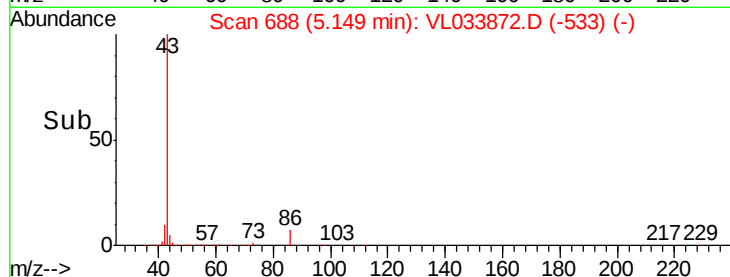


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 11.250 ppbv

RT: 5.09 min Scan# 669

Delta R.T. 0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

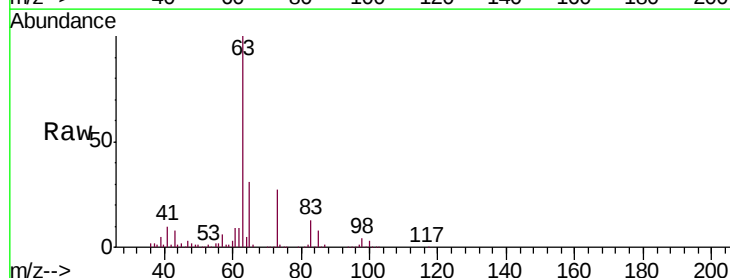
Tgt Ion: 63 Resp: 1157707

Ion Ratio Lower Upper

63 100

98 3.9 1.8 5.5

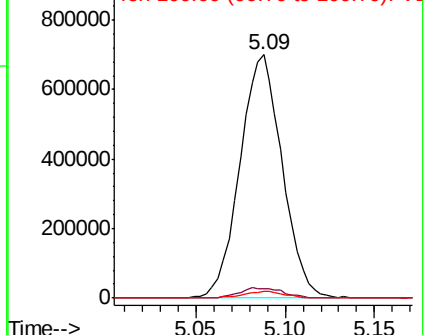
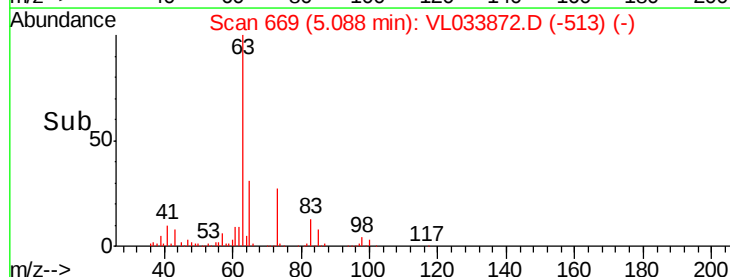
100 2.6 1.4 4.2

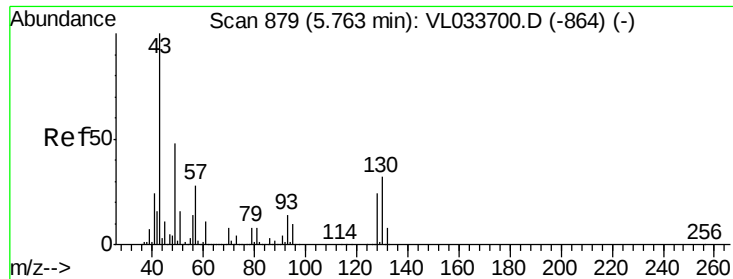


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



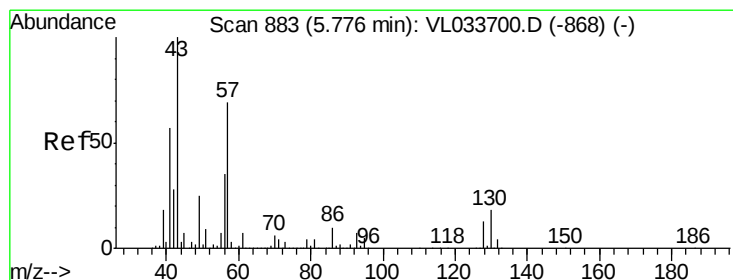
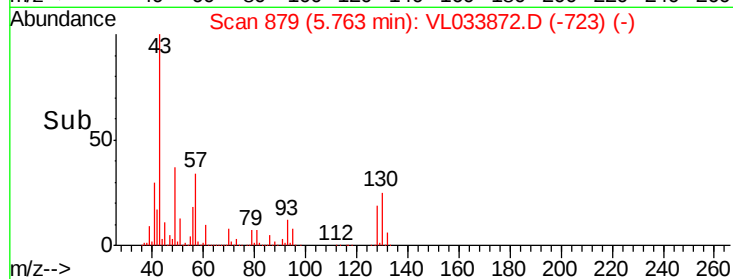
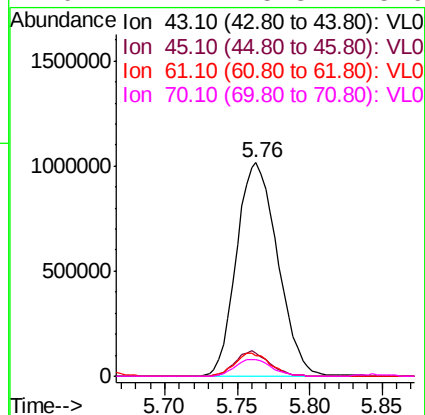
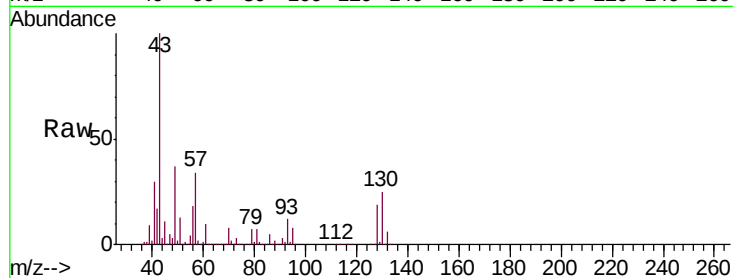


#25
Ethyl Acetate
Concen: 11.094 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2000973

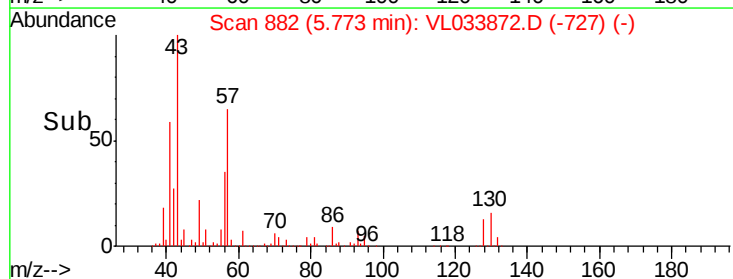
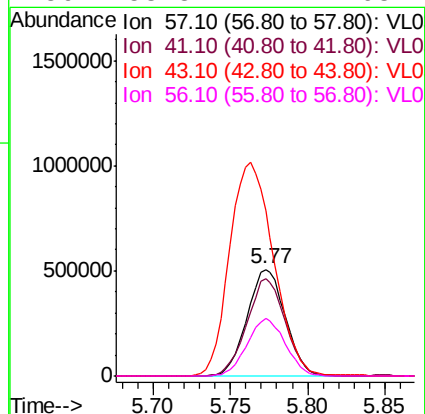
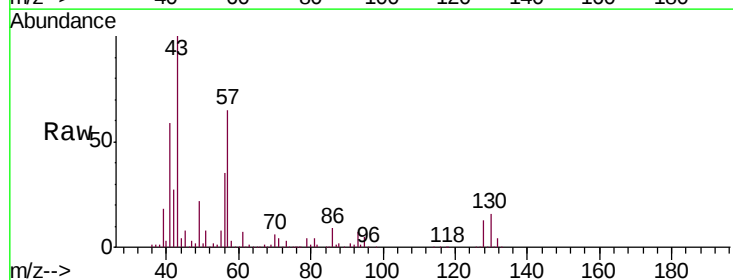
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.5	7.7	11.5
70	7.1	5.8	8.6

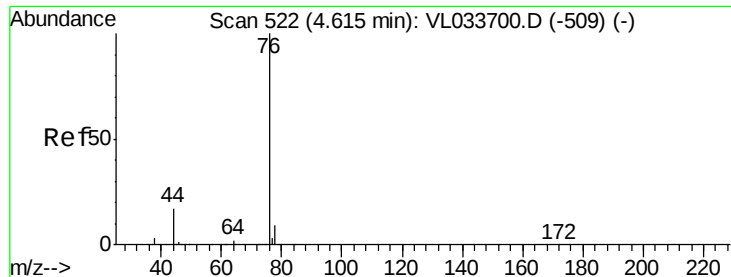


#26
Hexane
Concen: 11.241 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion: 57 Resp: 871661

Ion	Ratio	Lower	Upper
57	100		
41	91.9	69.8	104.6
43	230.8	181.8	272.6
56	53.8	42.1	63.1





#27

Carbon Disulfide

Concen: 12.741 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

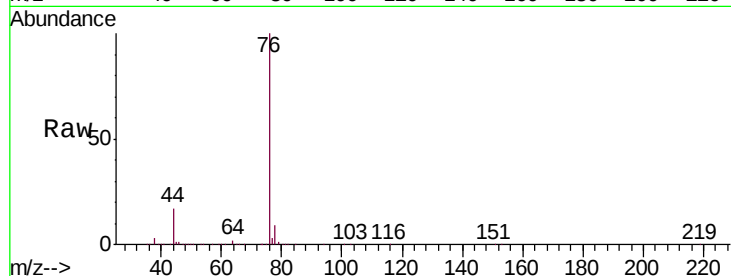
Tgt Ion: 76 Resp: 1355345

Ion Ratio Lower Upper

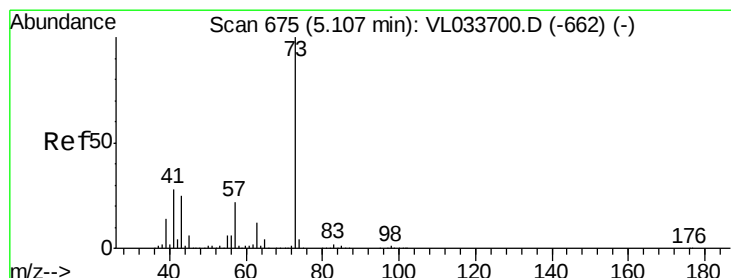
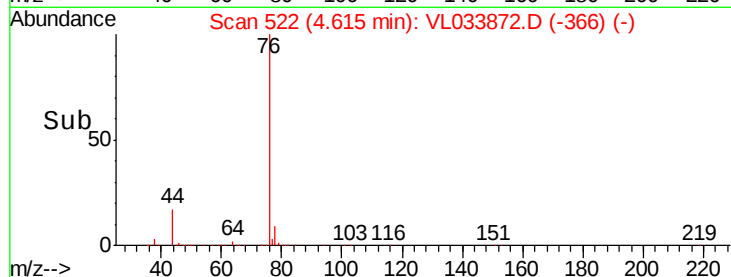
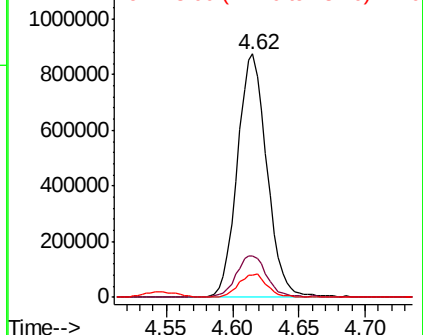
76 100

44 17.5 13.8 20.8

78 9.2 7.4 11.0



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: 11.984 ppbv

RT: 5.11 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL033872.D

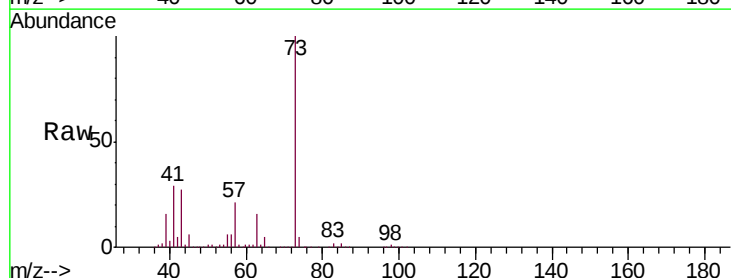
Acq: 30 May 2019 16:00

Tgt Ion: 73 Resp: 1514869

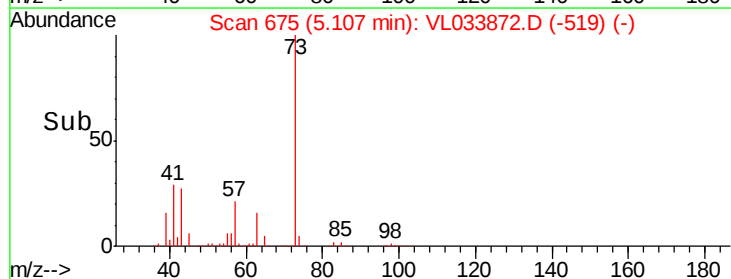
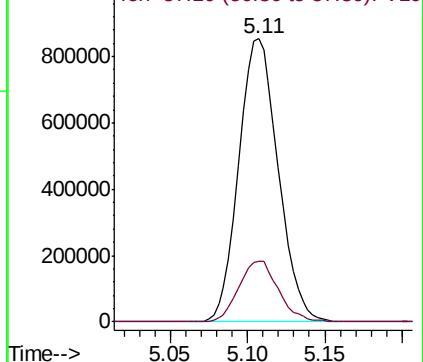
Ion Ratio Lower Upper

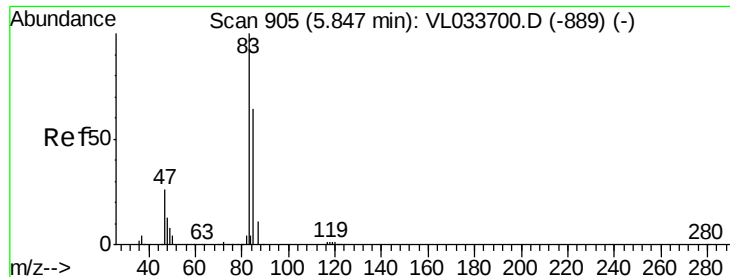
73 100

57 21.7 17.4 26.2



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

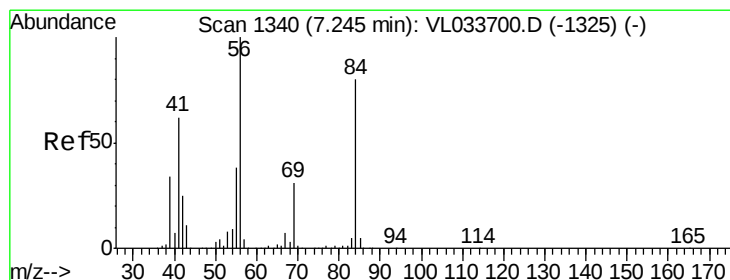
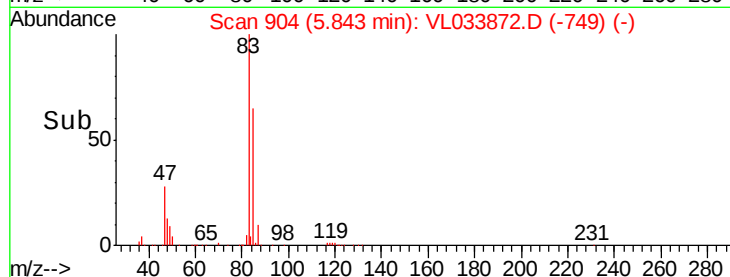
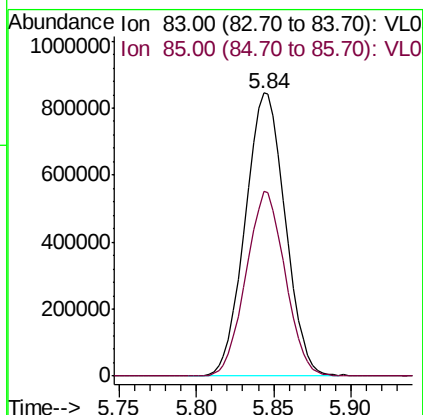
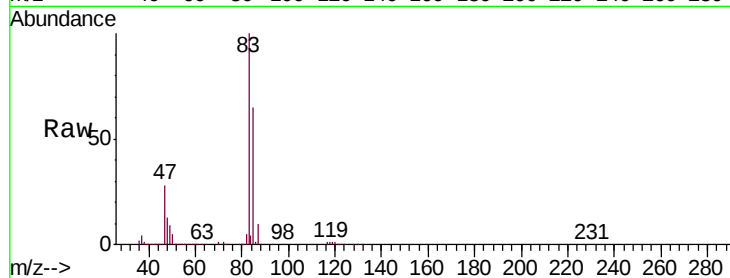




#29
Chloroform
Concen: 10.672 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

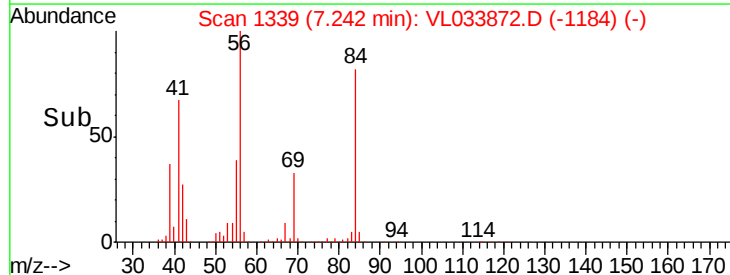
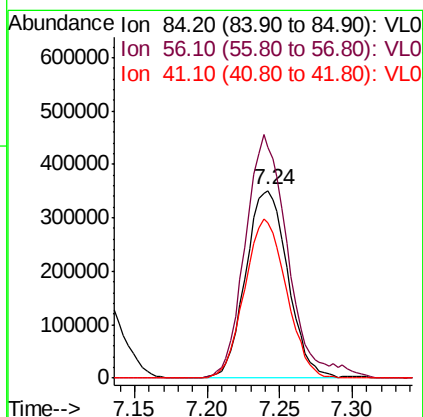
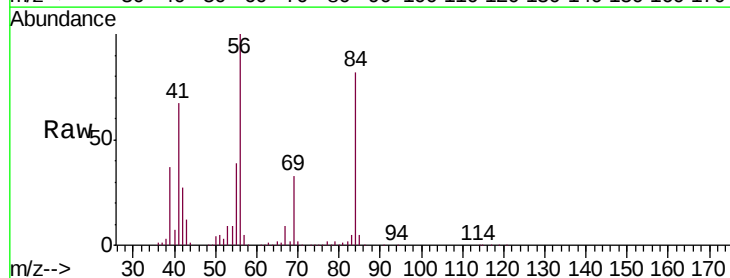
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

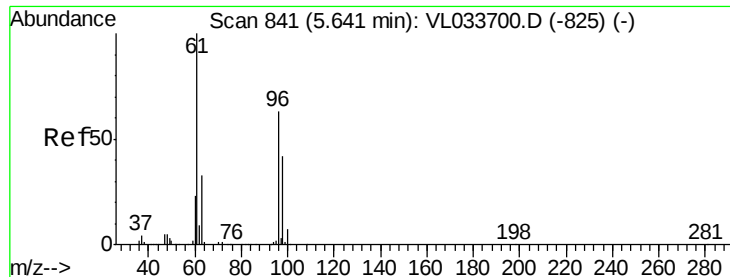
Tgt Ion: 83 Resp: 1524259
Ion Ratio Lower Upper
83 100
85 65.0 51.5 77.3



#30
Cyclohexane
Concen: 10.901 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion: 84 Resp: 710616
Ion Ratio Lower Upper
84 100
56 131.6 107.7 161.5
41 84.4 66.0 99.0





#31

cis-1,2-Dichloroethene

Concen: 11.584 ppbv

RT: 5.63 min Scan# 839

Delta R.T. -0.01 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

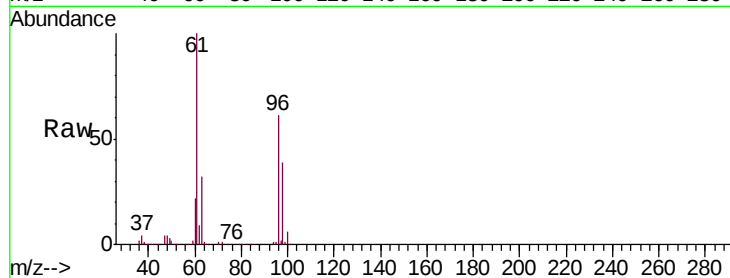
Tgt Ion: 61 Resp: 890627

Ion Ratio Lower Upper

61 100

96 60.7 50.8 76.2

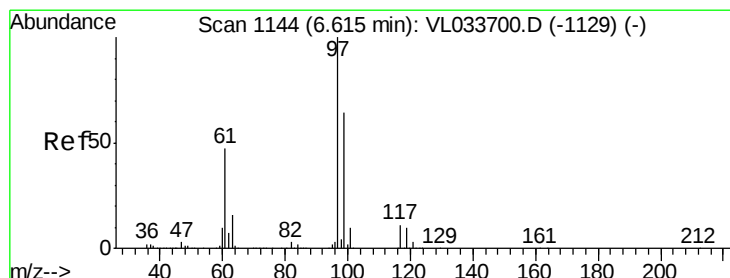
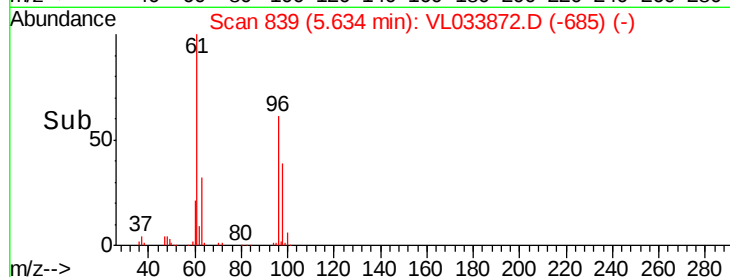
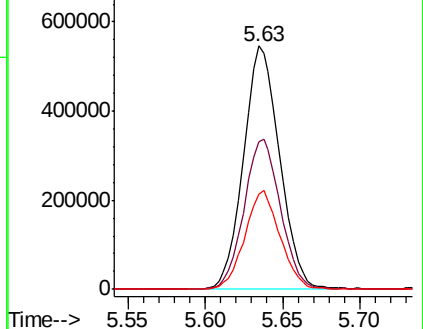
98 39.0 33.3 49.9



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: 11.267 ppbv

RT: 6.61 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

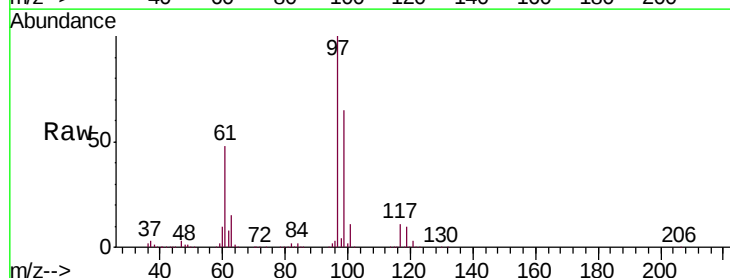
Tgt Ion: 97 Resp: 1606828

Ion Ratio Lower Upper

97 100

99 63.7 51.5 77.3

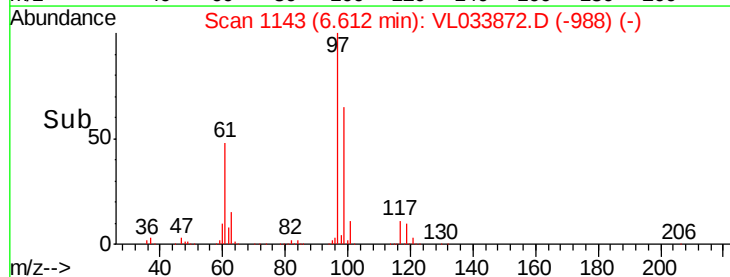
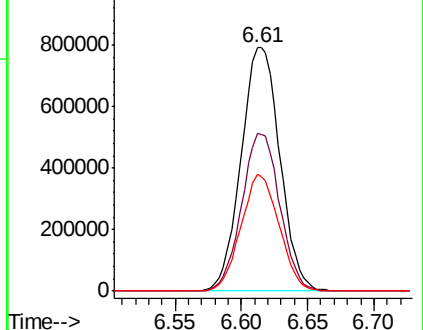
61 47.2 37.8 56.8

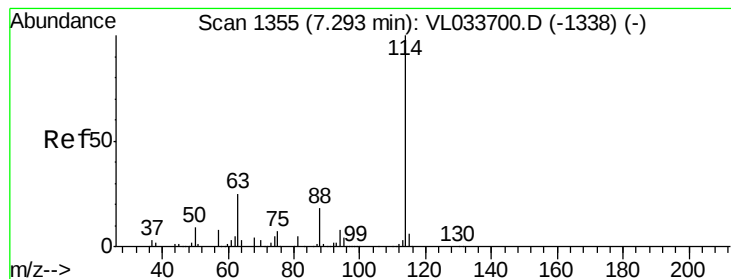


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

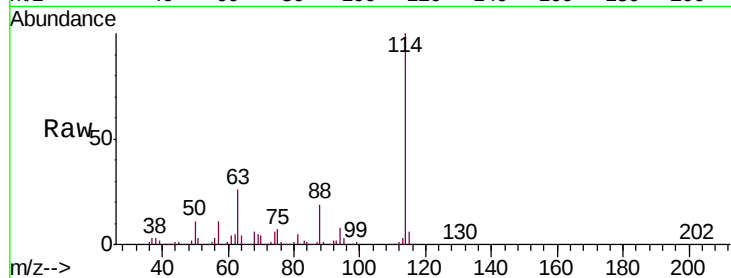
Tgt Ion:114 Resp: 1673647

Ion Ratio Lower Upper

114 100

63 26.9 20.9 31.3

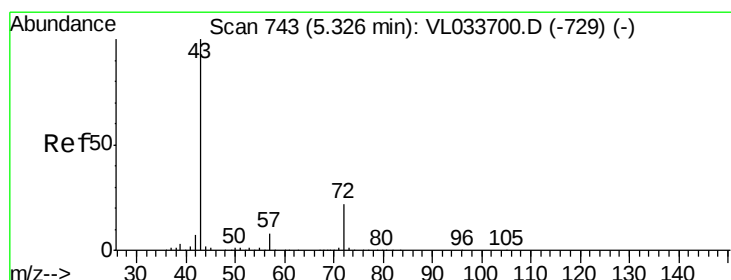
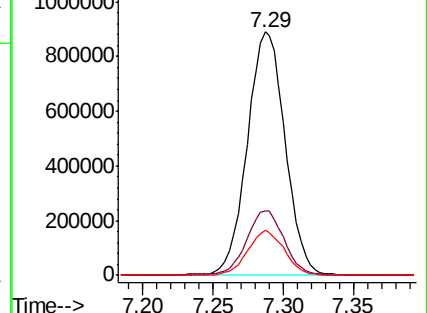
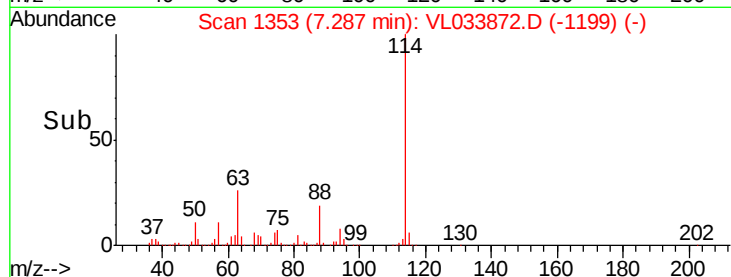
88 17.8 14.3 21.5



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: 12.213 ppbv

RT: 5.32 min Scan# 742

Delta R.T. -0.00 min

Lab File: VL033872.D

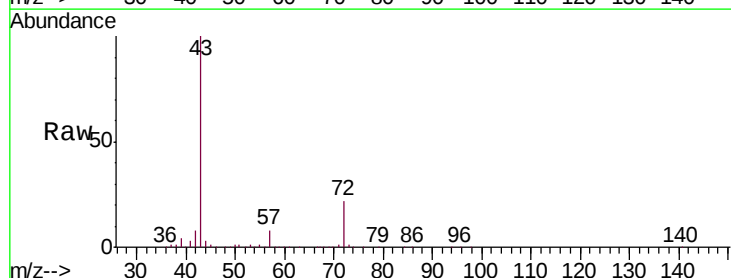
Acq: 30 May 2019 16:00

Tgt Ion: 43 Resp: 1267031

Ion Ratio Lower Upper

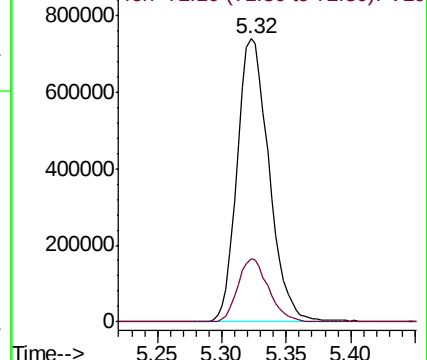
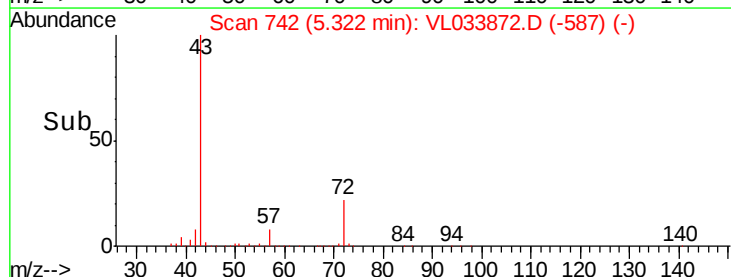
43 100

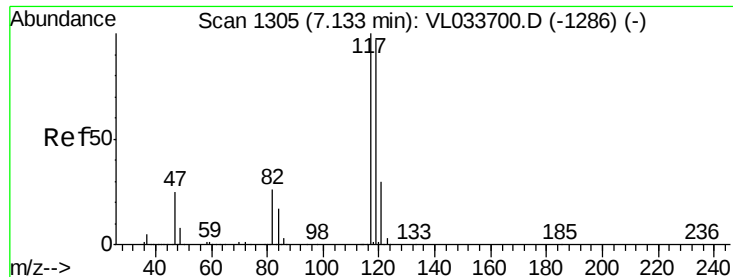
72 21.8 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 12.768 ppbv

RT: 7.13 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

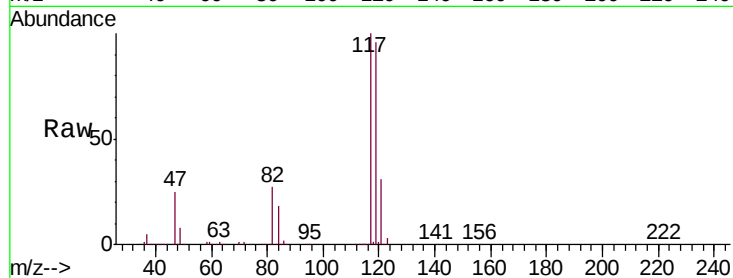
Tgt Ion: 117 Resp: 1711829

Ion Ratio Lower Upper

117 100

119 95.6 77.2 115.8

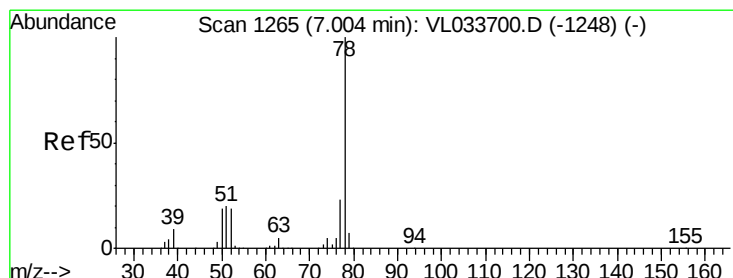
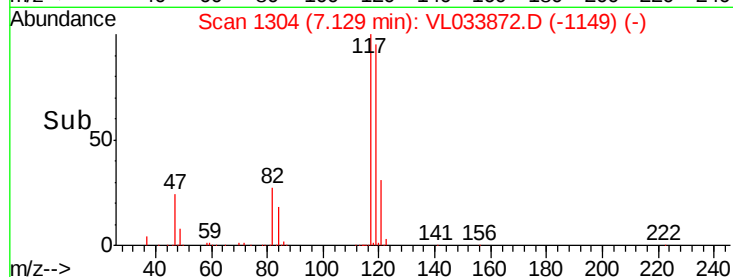
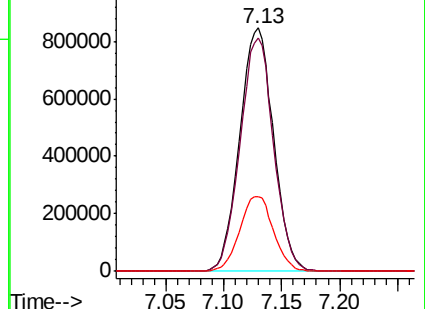
121 30.6 24.1 36.1



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: 11.450 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

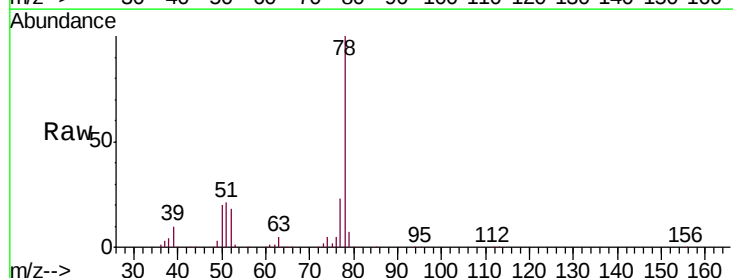
Tgt Ion: 78 Resp: 1743225

Ion Ratio Lower Upper

78 100

77 22.6 18.4 27.6

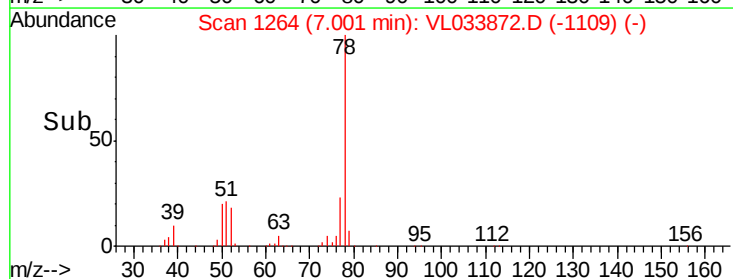
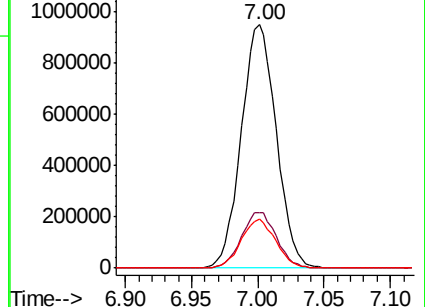
50 20.0 15.5 23.3

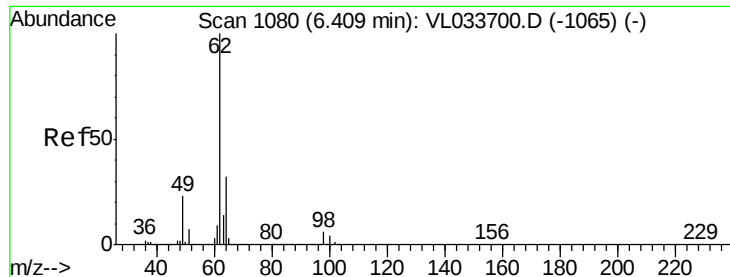


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 12.121 ppbv

RT: 6.41 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

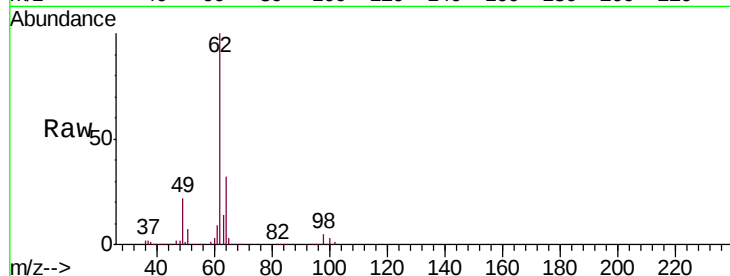
VSTDCCC010EC

Tgt Ion: 62 Resp: 1190358

Ion Ratio Lower Upper

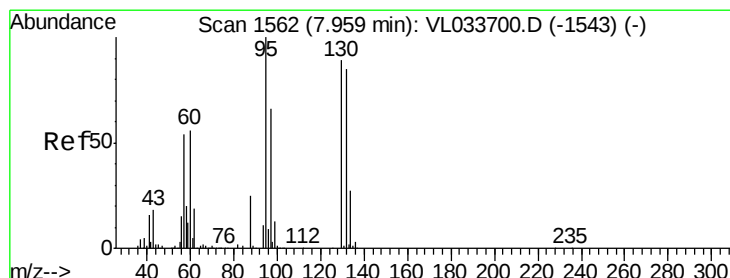
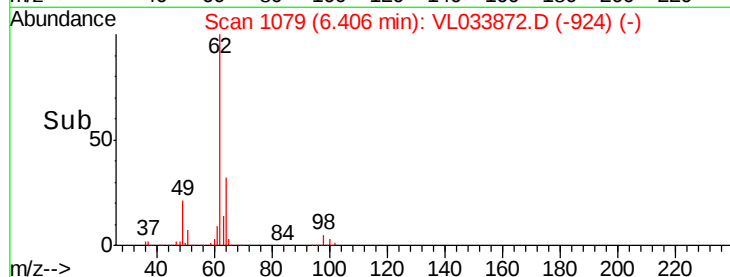
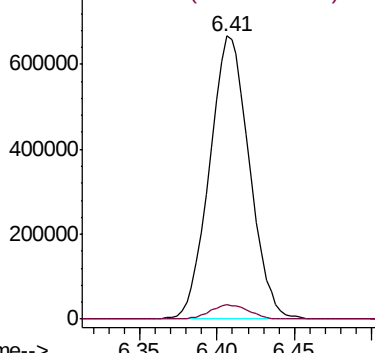
62 100

98 5.1 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 13.093 ppbv

RT: 7.96 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Tgt Ion: 130 Resp: 739637

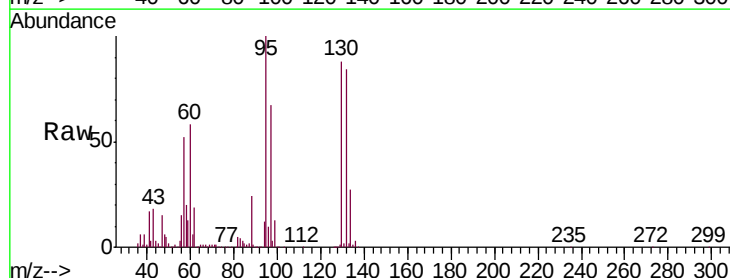
Ion Ratio Lower Upper

130 100

95 113.4 90.2 135.4

132 95.3 76.4 114.6

97 75.5 59.8 89.6

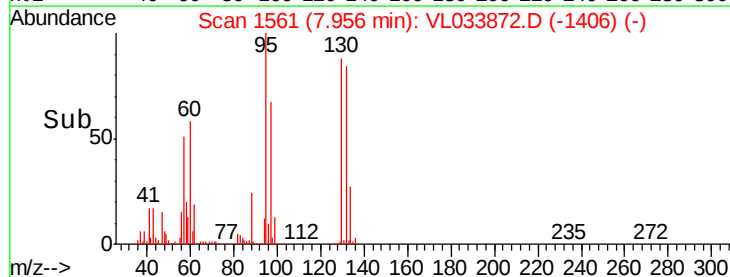
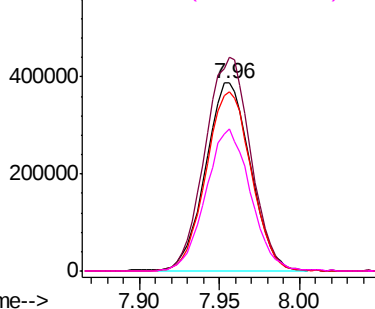


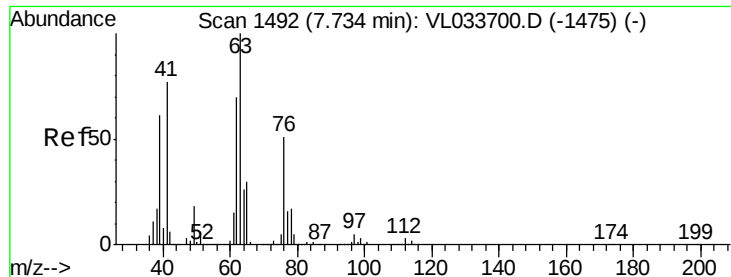
Abundance Ion 130.00 (129.70 to 130.70): V

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

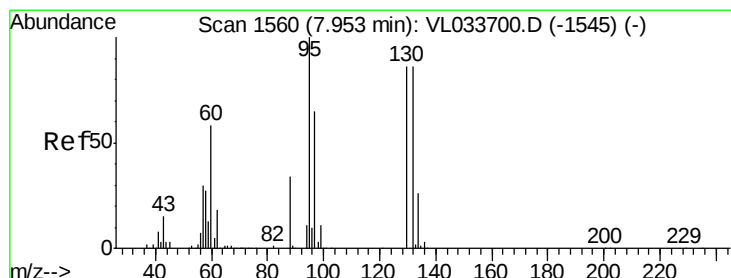
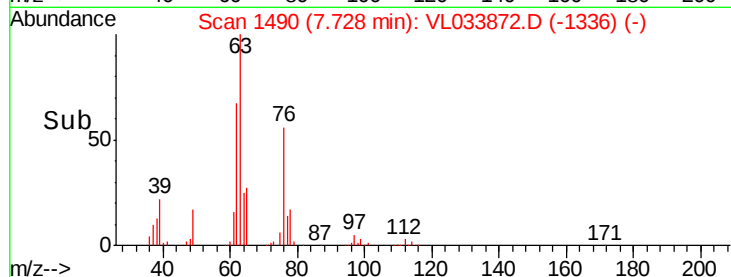
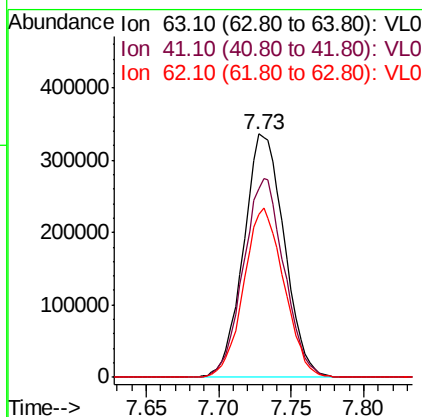
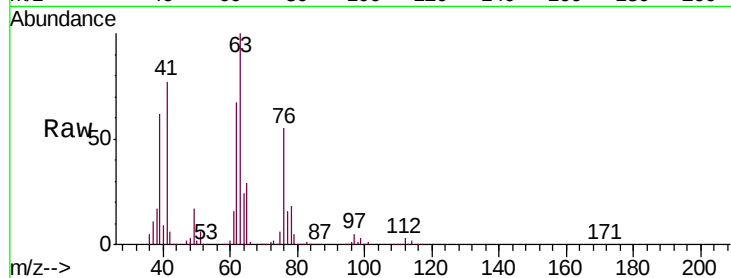




#39
 1,2-Dichloropropane
 Concen: 11.580 ppbv
 RT: 7.73 min Scan# 1490
 Delta R.T. -0.01 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

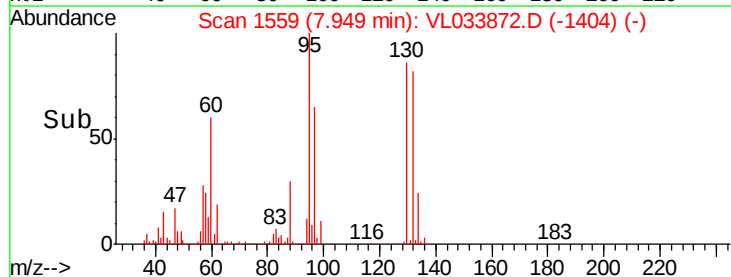
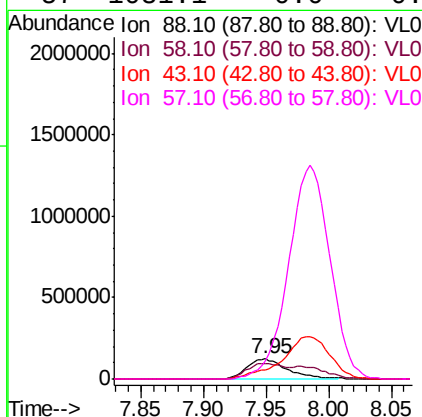
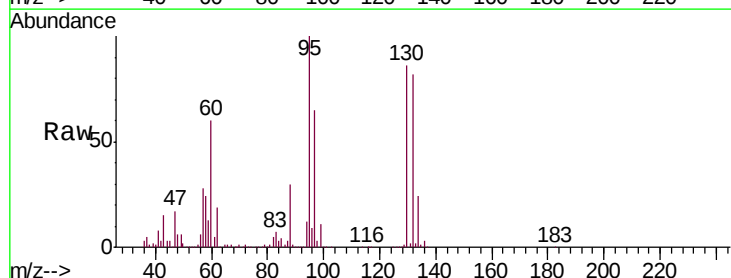
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

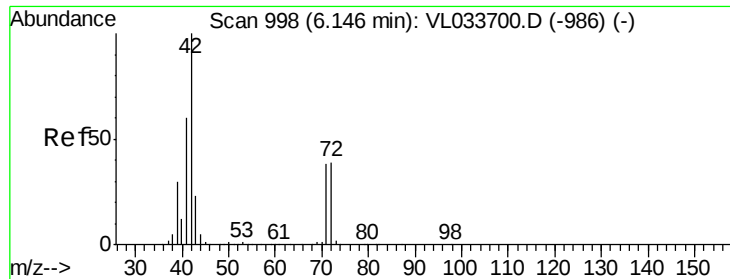
Tgt Ion: 63 Resp: 657269
 Ion Ratio Lower Upper
 63 100
 41 77.4 61.5 92.3
 62 66.7 56.2 84.4



#40
 1,4-Dioxane
 Concen: 11.803 ppbv
 RT: 7.95 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

Tgt Ion: 88 Resp: 280248
 Ion Ratio Lower Upper
 88 100
 58 125.8 101.8 152.6
 43 246.6 0.0 0.0#
 57 1081.1 0.0 0.0#





#41

Tetrahydrofuran

Concen: 11.783 ppbv

RT: 6.14 min Scan# 997

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

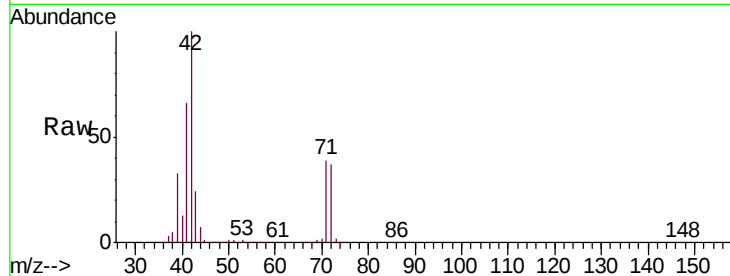
Tgt Ion: 42 Resp: 684913

Ion Ratio Lower Upper

42 100

72 39.7 32.0 48.0

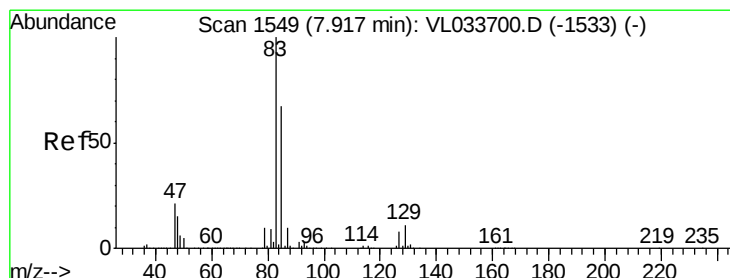
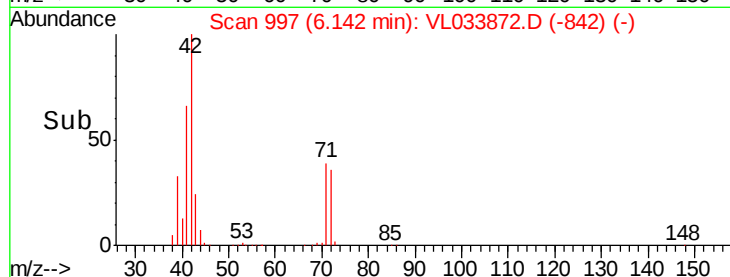
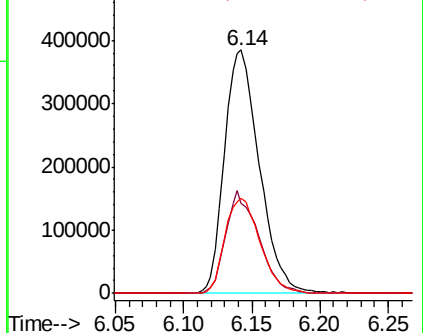
71 39.4 30.4 45.6



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 12.281 ppbv

RT: 7.91 min Scan# 1548

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

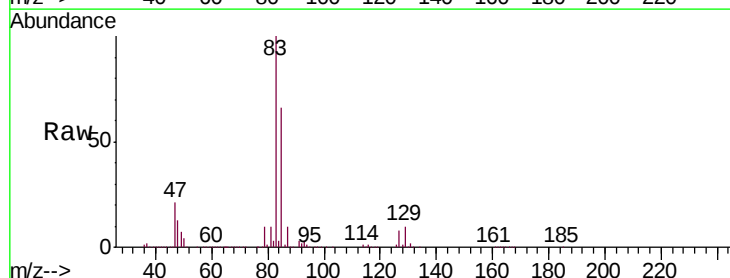
Tgt Ion: 83 Resp: 1651209

Ion Ratio Lower Upper

83 100

85 65.8 53.3 79.9

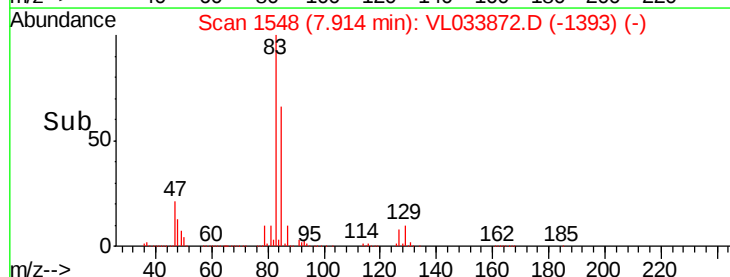
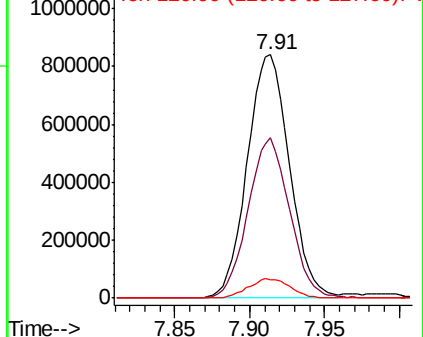
127 7.8 6.5 9.7

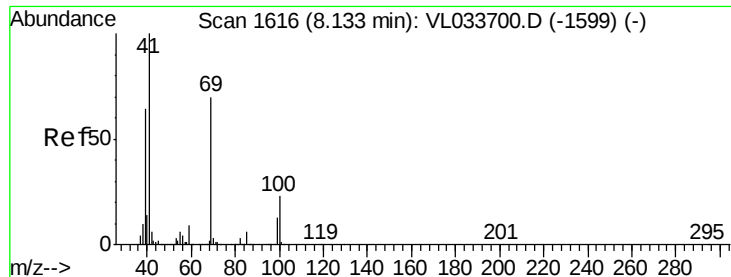


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

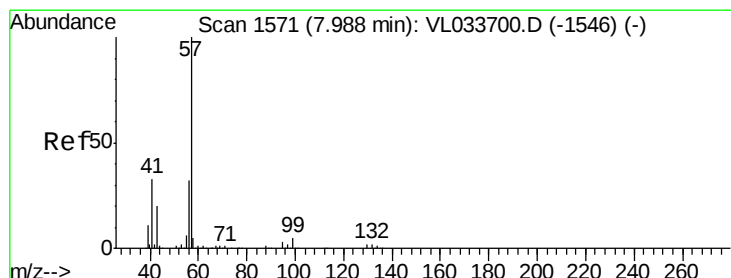
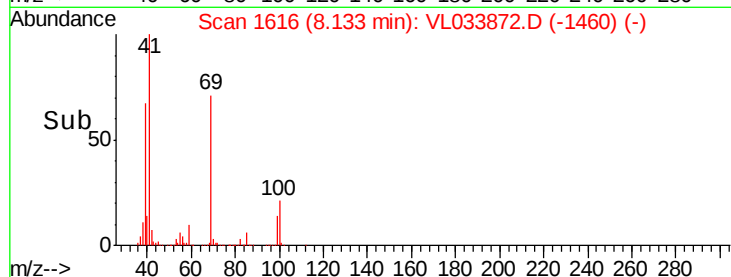
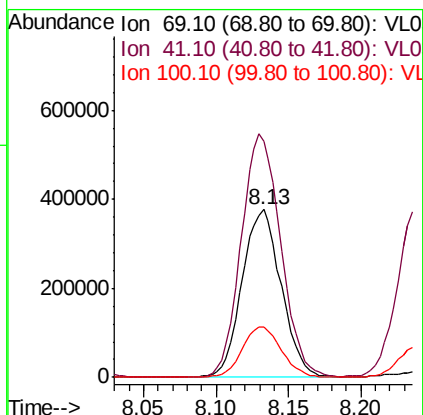
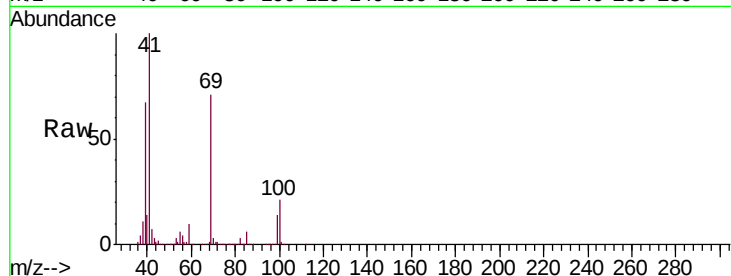




#43
Methyl Methacrylate
Concen: 12.638 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

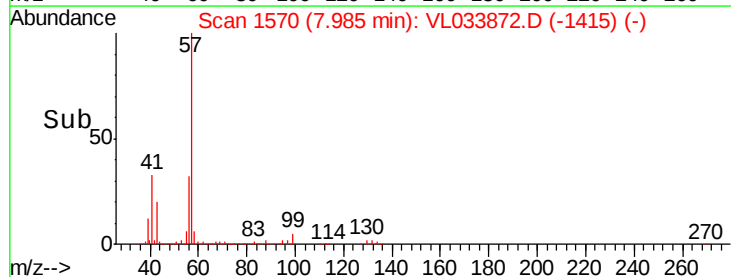
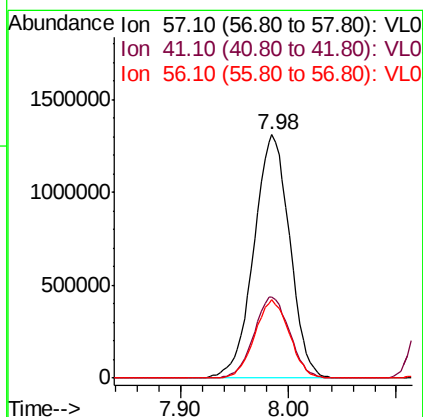
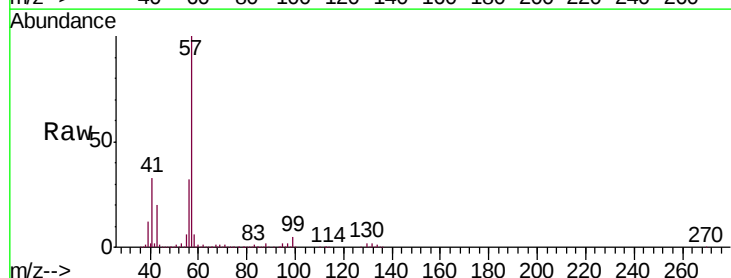
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

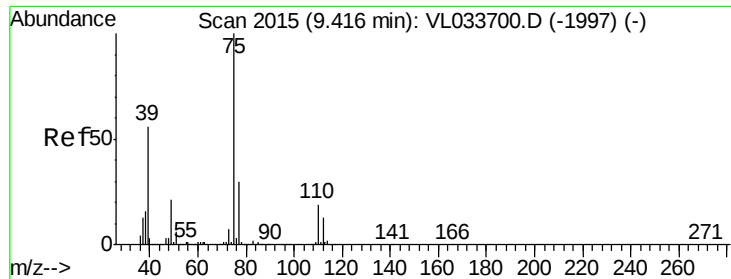
Tgt Ion: 69 Resp: 708084
Ion Ratio Lower Upper
69 100
41 146.4 116.3 174.5
100 30.0 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 11.758 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion: 57 Resp: 3025363
Ion Ratio Lower Upper
57 100
41 33.3 25.4 38.0
56 31.1 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 13.673 ppbv

RT: 9.41 min Scan# 2014

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

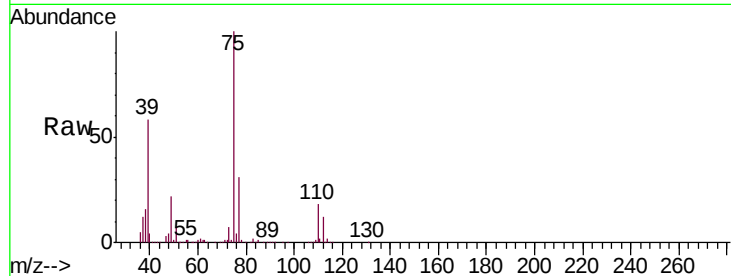
VSTDCCC010EC

Tgt Ion: 75 Resp: 971226

Ion Ratio Lower Upper

75 100

77 30.9 24.4 36.6



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

600000

500000

400000

300000

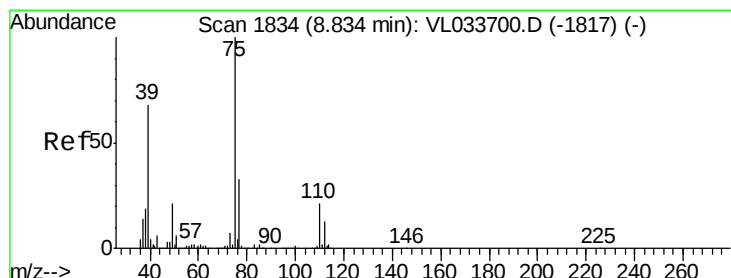
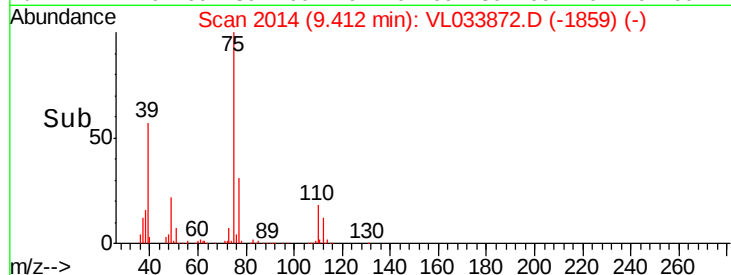
200000

100000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#46

cis-1,3-Dichloropropene

Concen: 13.147 ppbv

RT: 8.83 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

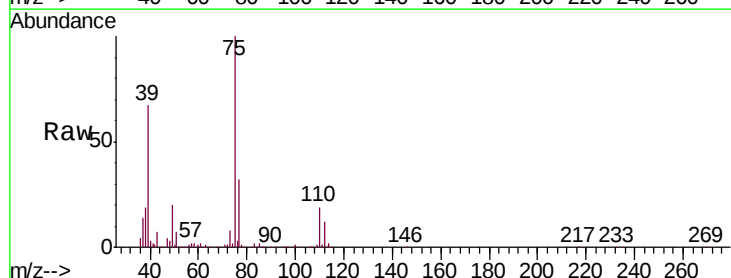
Tgt Ion: 75 Resp: 1093449

Ion Ratio Lower Upper

75 100

39 67.4 54.4 81.6

77 32.0 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

800000

600000

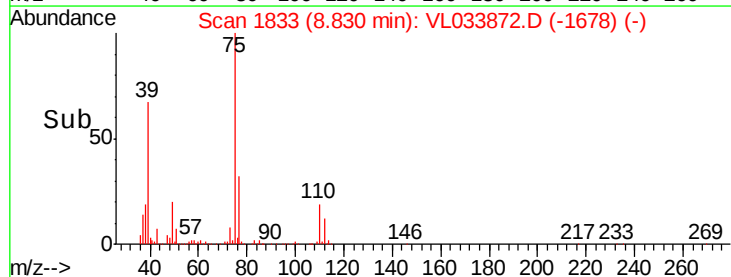
400000

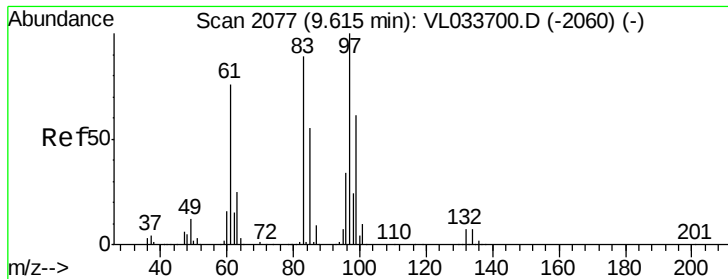
200000

0

8.75 8.80 8.85 8.90

Time-->





#47

1,1,2-Trichloroethane

Concen: 11.671 ppbv

RT: 9.61 min Scan# 2074

Delta R.T. -0.01 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 752588

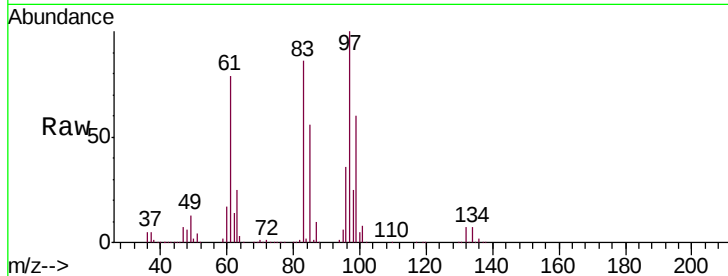
Ion Ratio Lower Upper

97 100

83 85.9 70.8 106.2

85 55.7 43.7 65.5

99 60.1 48.7 73.1

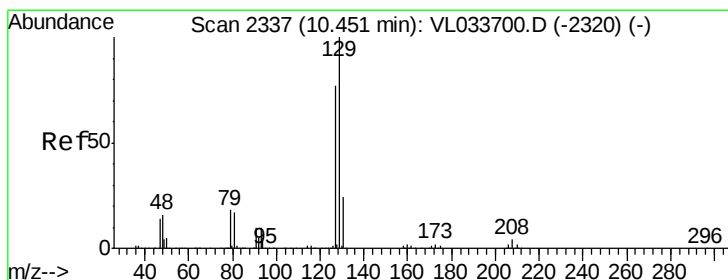
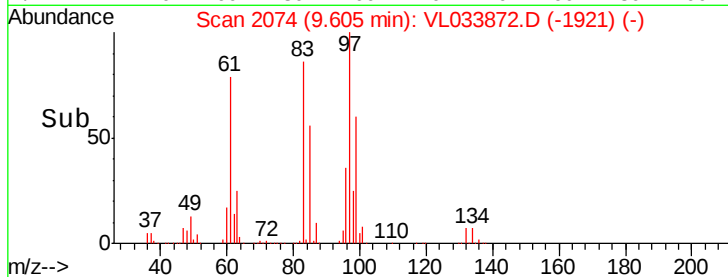
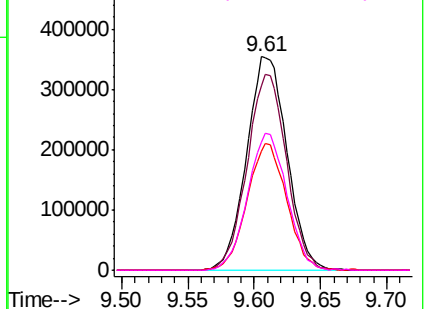


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 12.847 ppbv

RT: 10.44 min Scan# 2335

Delta R.T. -0.01 min

Lab File: VL033872.D

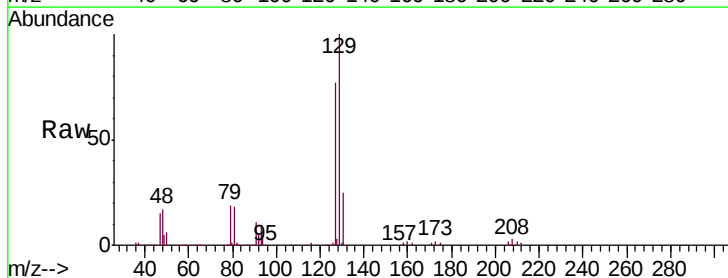
Acq: 30 May 2019 16:00

Tgt Ion: 129 Resp: 1435380

Ion Ratio Lower Upper

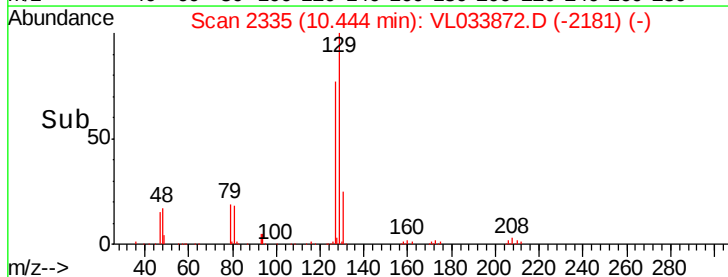
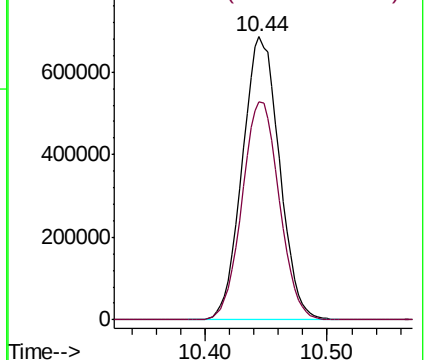
129 100

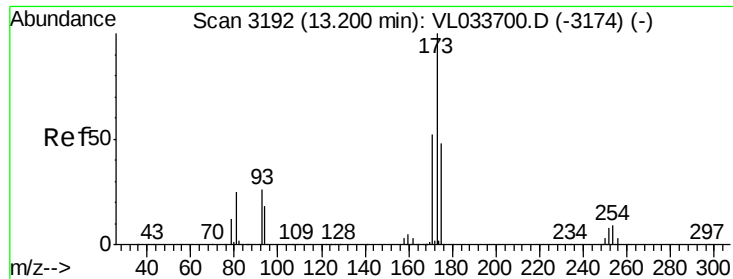
127 77.3 38.6 116.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

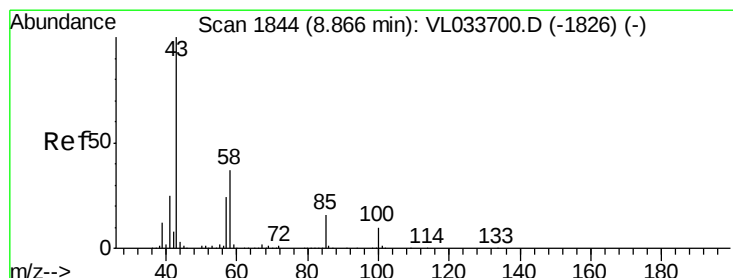
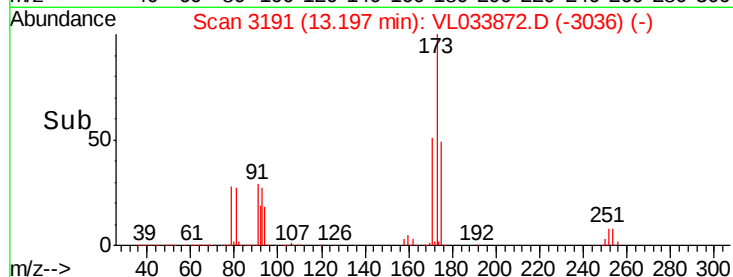
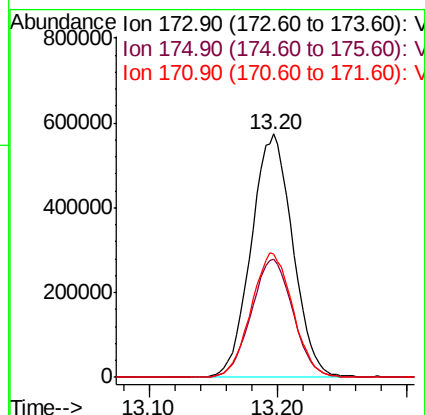
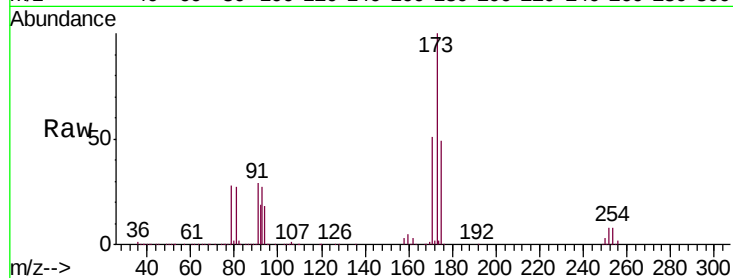




#49
Bromoform
Concen: 13.655 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

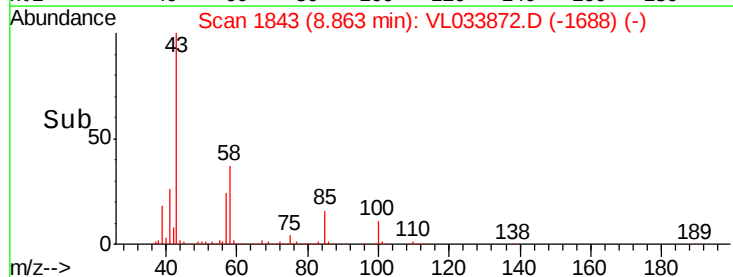
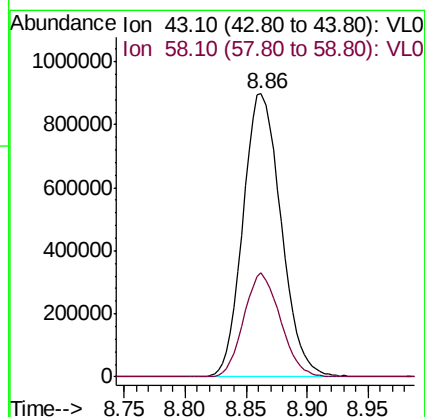
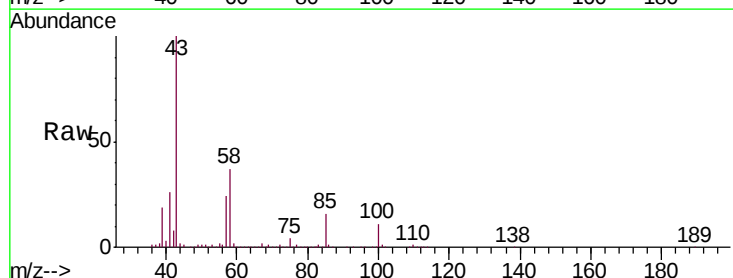
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

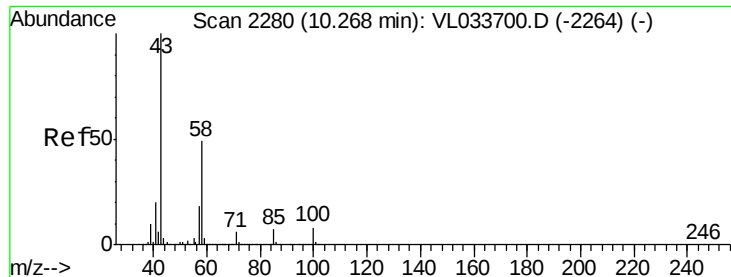
Tgt Ion:173 Resp: 1283661
Ion Ratio Lower Upper
173 100
175 48.9 38.6 58.0
171 51.4 41.5 62.3



#50
4-Methyl-2-Pentanone
Concen: 12.149 ppbv
RT: 8.86 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion: 43 Resp: 1938515
Ion Ratio Lower Upper
43 100
58 35.3 28.6 43.0

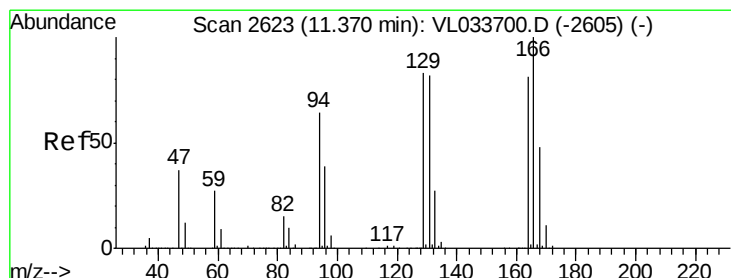
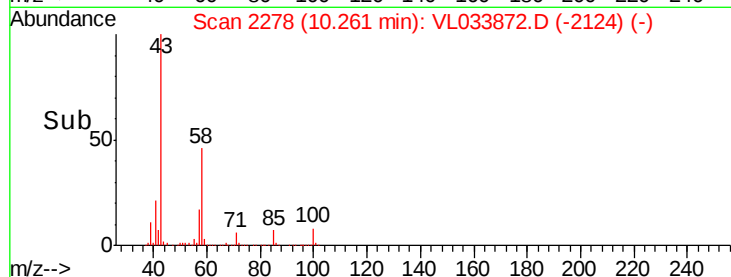
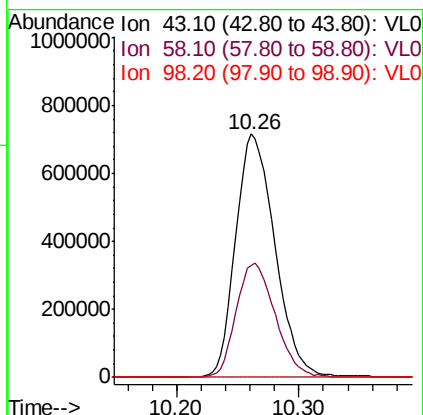
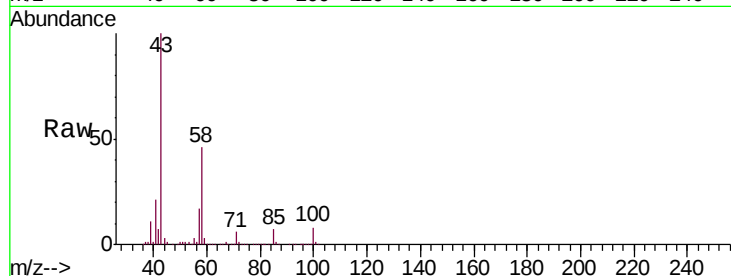




#51
2-Hexanone
Concen: 12.790 ppbv
RT: 10.26 min Scan# 2278
Delta R.T. -0.01 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

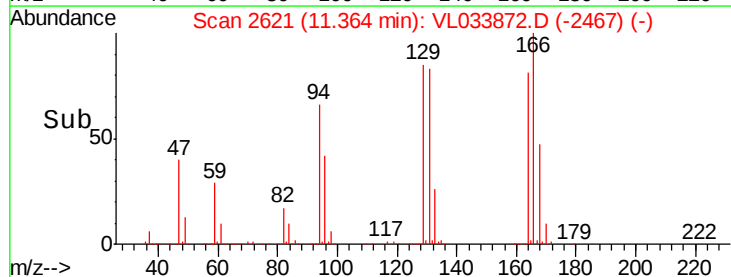
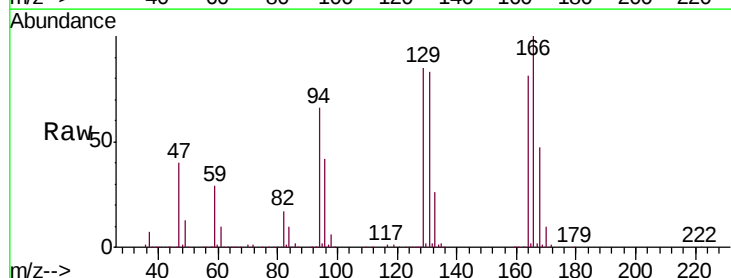
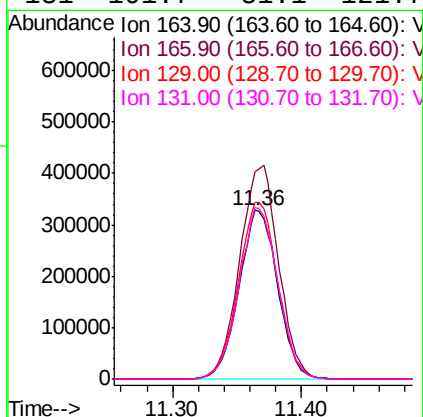
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

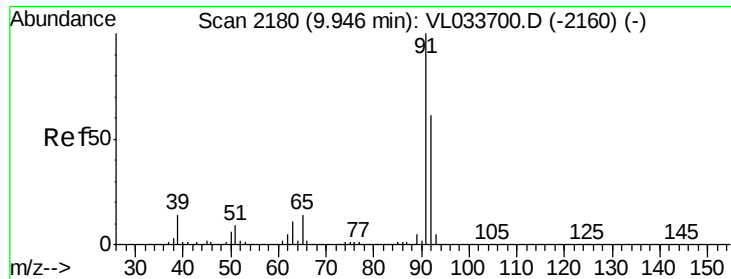
Tgt Ion: 43 Resp: 1592839
Ion Ratio Lower Upper
43 100
58 46.9 38.7 58.1
98 0.5 0.2 0.4#



#52
Tetrachloroethene
Concen: 12.759 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion: 164 Resp: 682838
Ion Ratio Lower Upper
164 100
166 122.7 98.9 148.3
129 104.4 81.8 122.6
131 101.7 81.1 121.7





#53

Toluene

Concen: 12.662 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

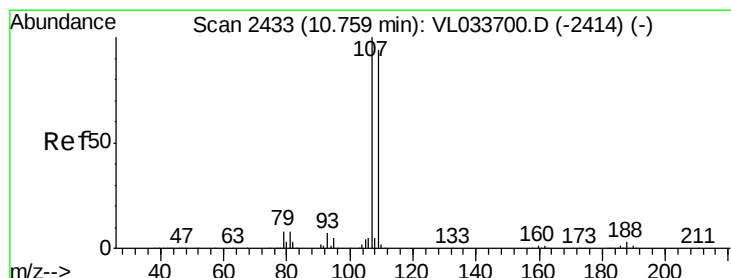
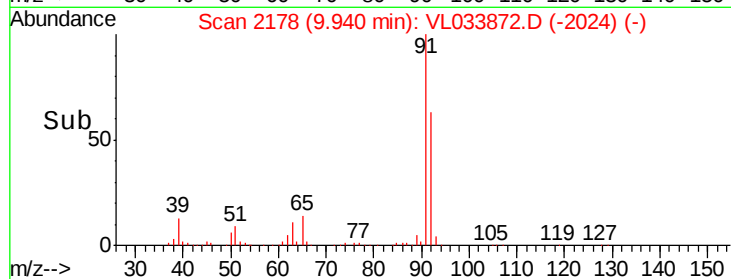
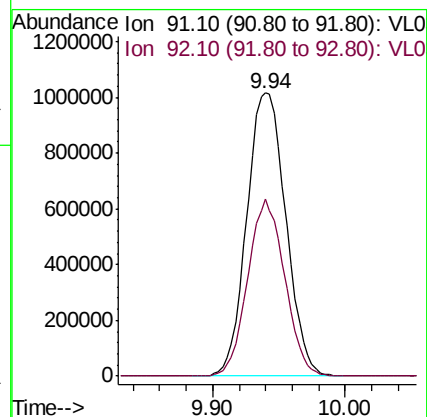
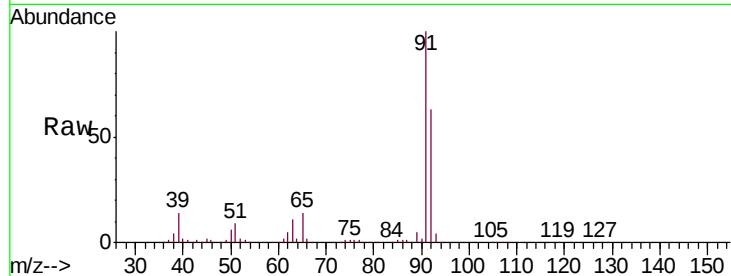
VSTDCCC010EC

Tgt Ion: 91 Resp: 2079144

Ion Ratio Lower Upper

91 100

92 59.3 47.6 71.4



#54

1,2-Dibromoethane

Concen: 12.091 ppbv

RT: 10.75 min Scan# 2431

Delta R.T. -0.01 min

Lab File: VL033872.D

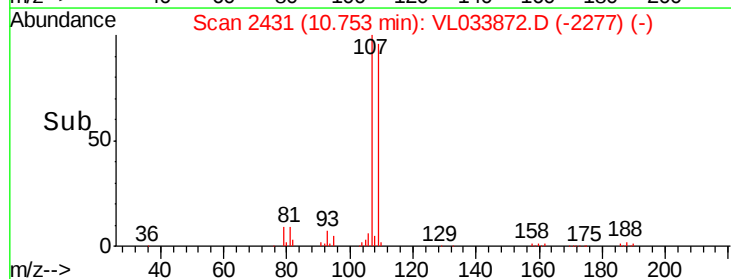
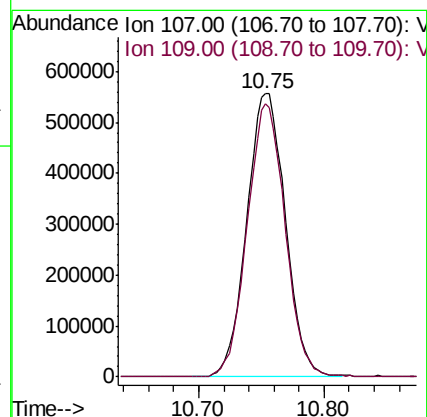
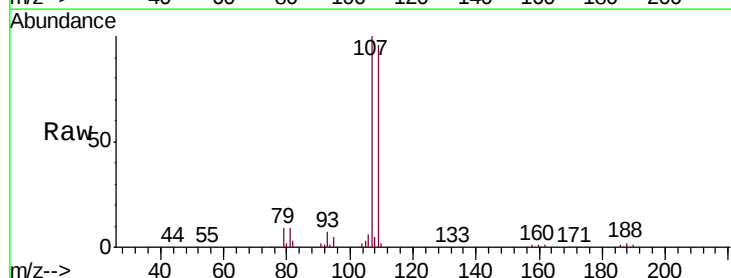
Acq: 30 May 2019 16:00

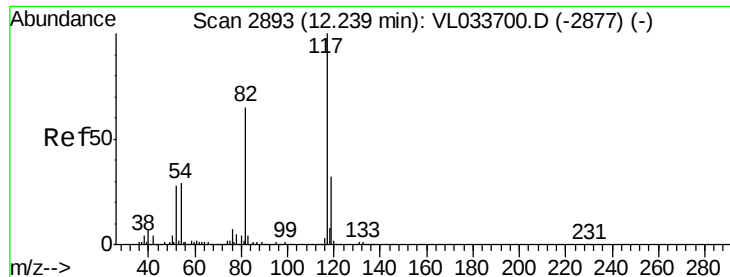
Tgt Ion: 107 Resp: 1189822

Ion Ratio Lower Upper

107 100

109 96.4 75.2 112.8

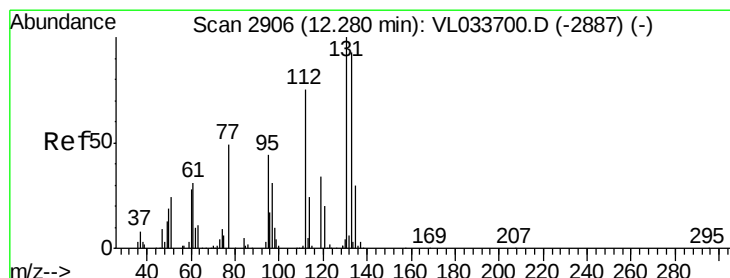
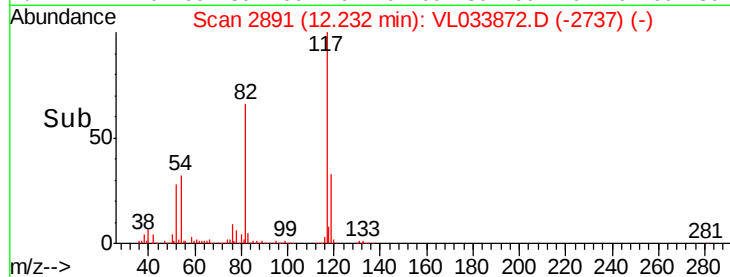
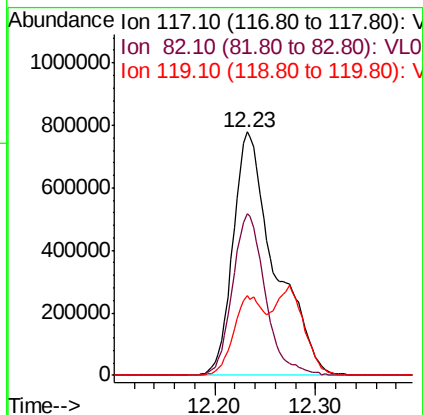
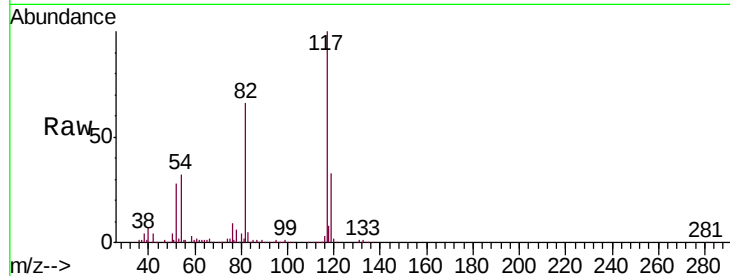




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

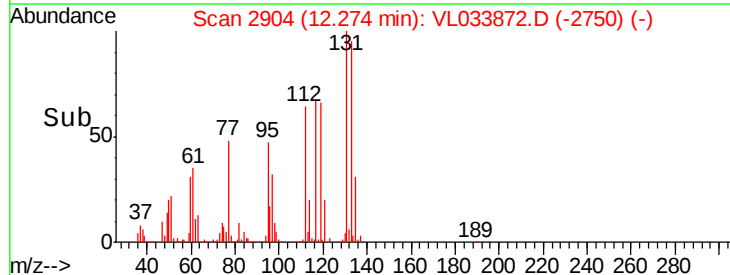
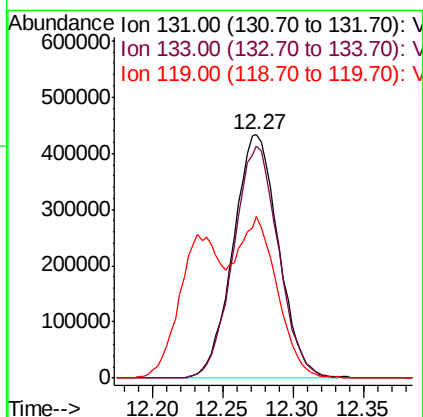
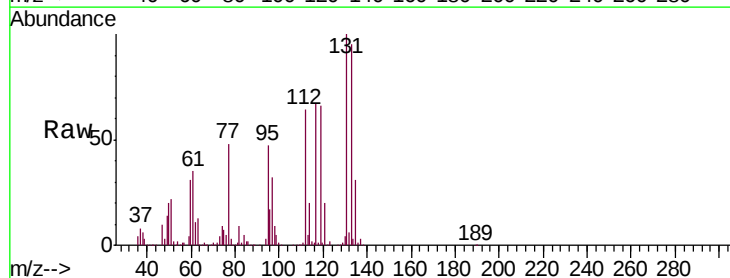
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

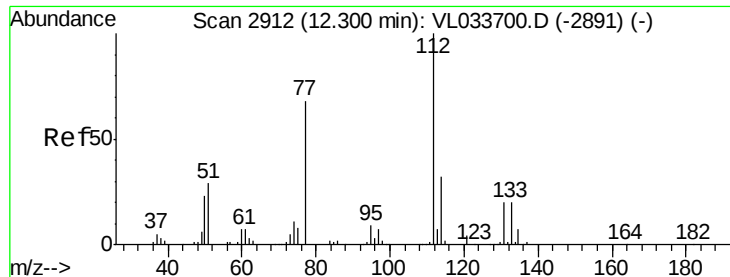
Tgt Ion:117 Resp: 2245861
Ion Ratio Lower Upper
117 100
82 52.3 49.4 74.0
119 21.7 24.9 37.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 9.366 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion:131 Resp: 973401
Ion Ratio Lower Upper
131 100
133 95.3 76.6 114.8
119 65.7 49.0 73.4

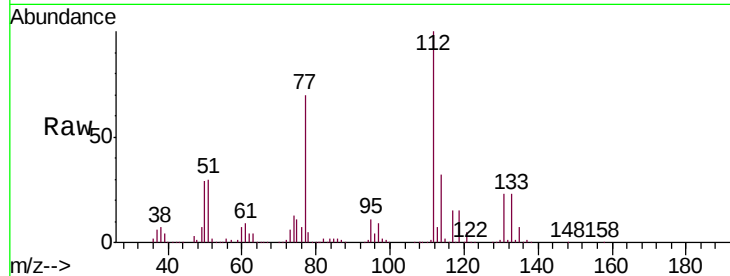




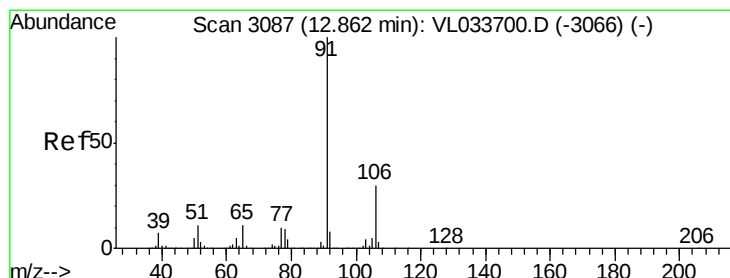
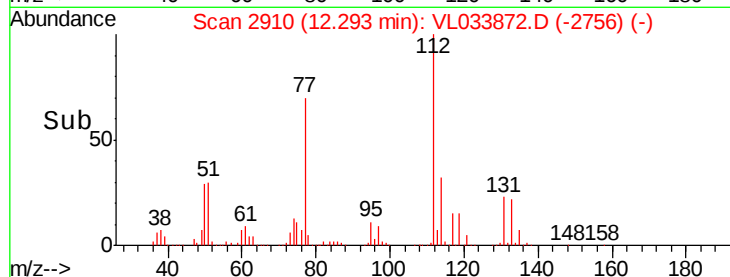
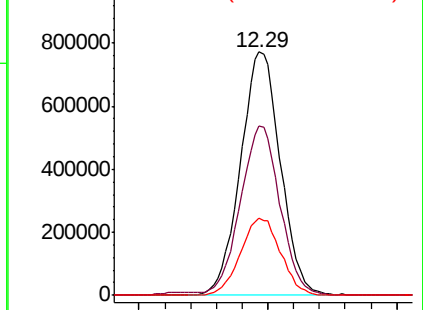
#57
Chlorobenzene
Concen: 8.991 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 112 Resp: 1662151
Ion Ratio Lower Upper
112 100
77 69.3 55.4 83.0
114 31.5 29.3 35.8

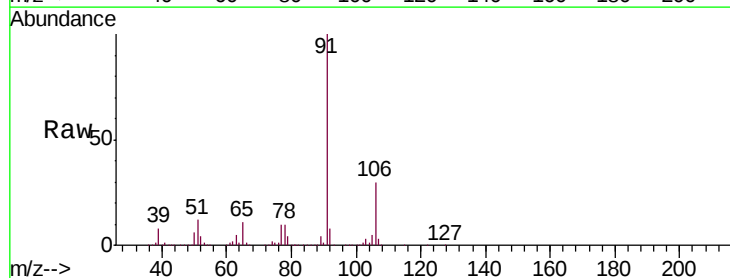


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

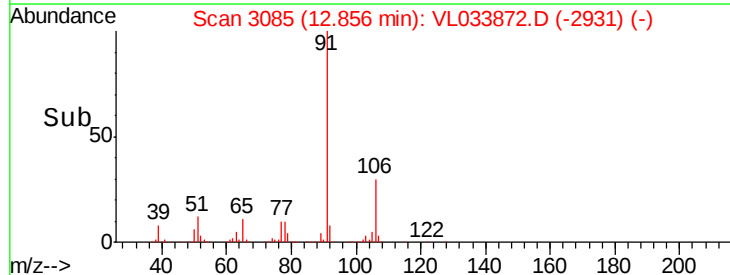
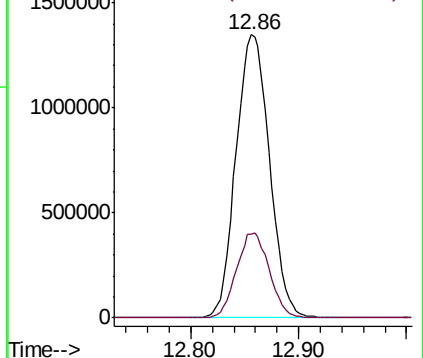


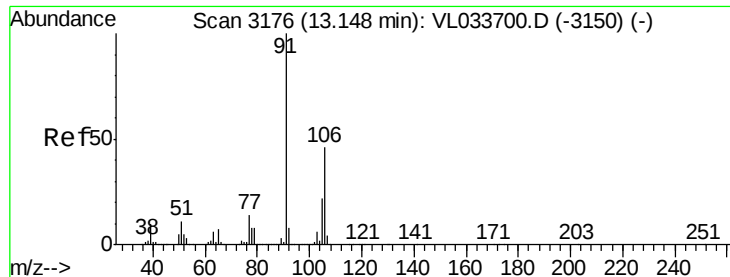
#58
Ethyl Benzene
Concen: 9.787 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion: 91 Resp: 2910684
Ion Ratio Lower Upper
91 100
106 29.7 23.9 35.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

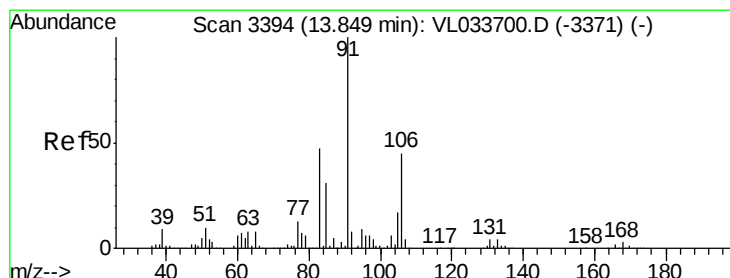
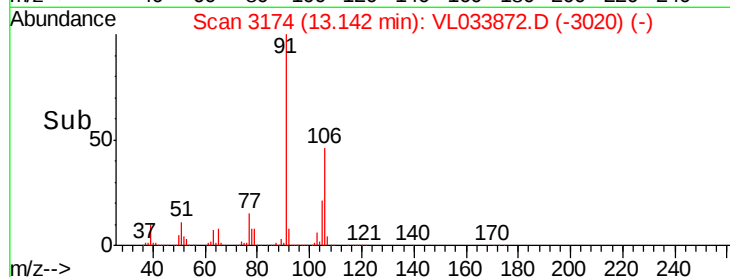
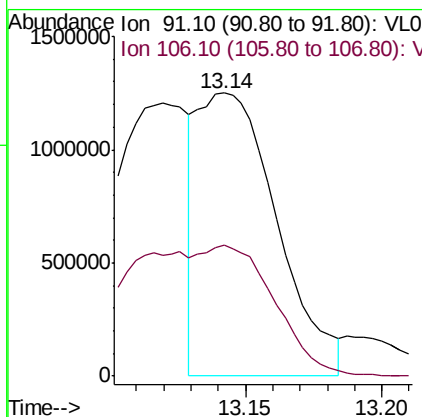
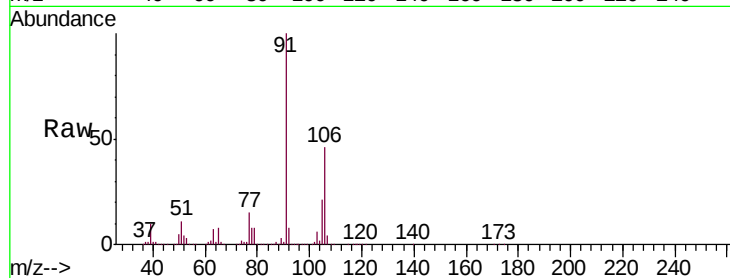




#59
m/p-Xylene
Concen: 9.654 ppbv
RT: 13.14 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

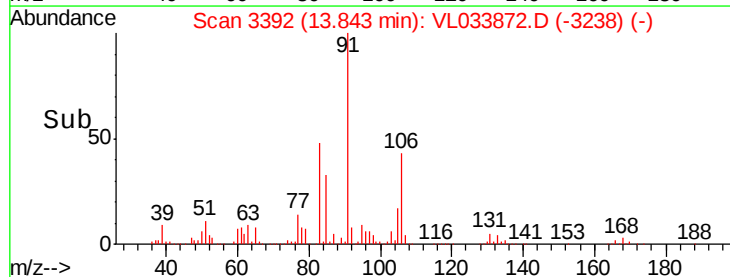
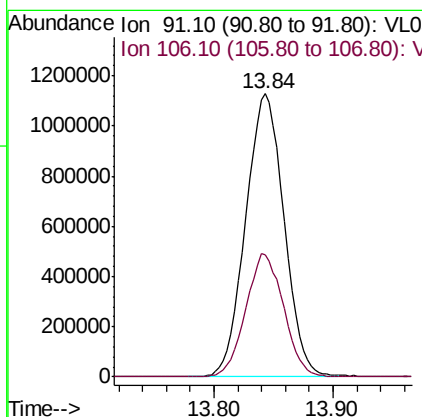
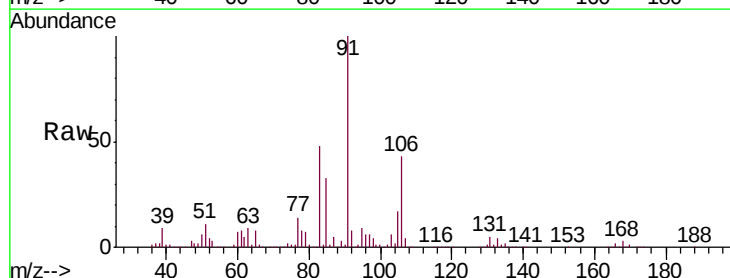
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

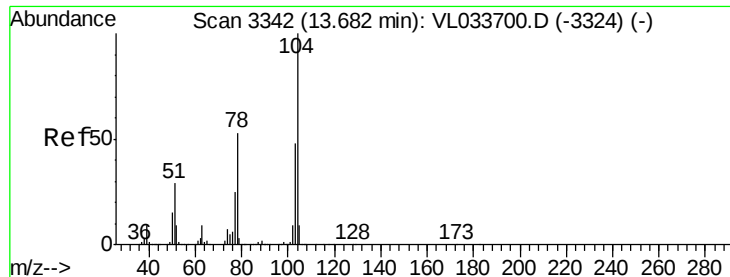
Tgt Ion: 91 Resp: 2509967
Ion Ratio Lower Upper
91 100
106 88.5 35.8 53.6#



#60
o-Xylene
Concen: 9.609 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion: 91 Resp: 2518417
Ion Ratio Lower Upper
91 100
106 43.1 21.6 64.8





#61

Styrene

Concen: 10.278 ppbv

RT: 13.68 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

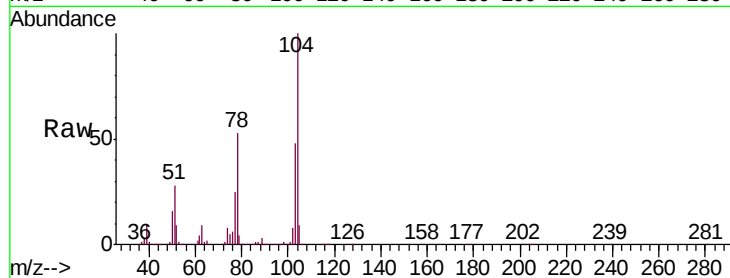
Tgt Ion:104 Resp: 1813458

Ion Ratio Lower Upper

104 100

78 55.0 42.6 64.0

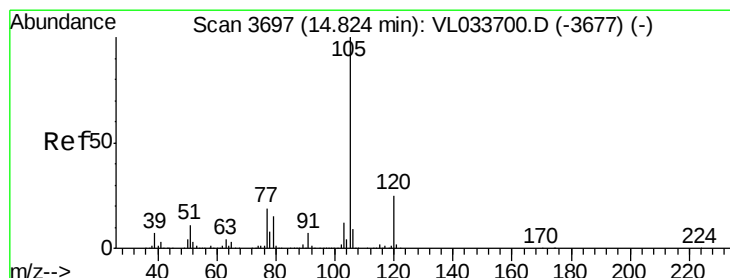
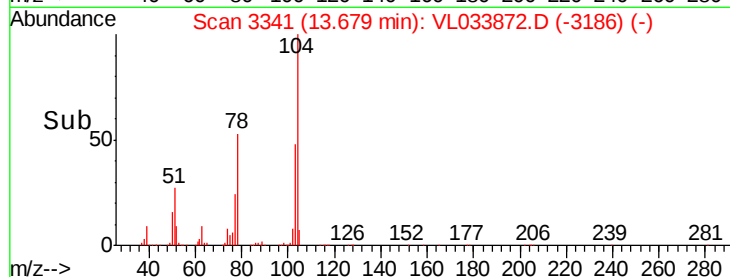
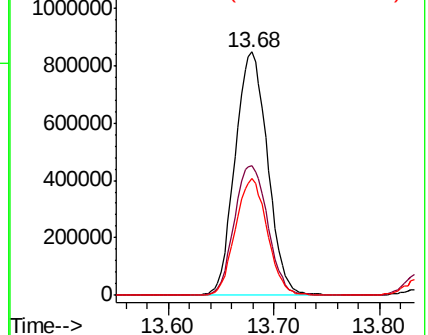
103 47.3 37.8 56.6



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: 9.465 ppbv

RT: 14.82 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL033872.D

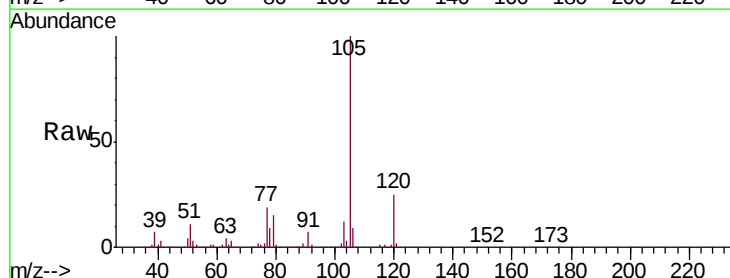
Acq: 30 May 2019 16:00

Tgt Ion:105 Resp: 3340702

Ion Ratio Lower Upper

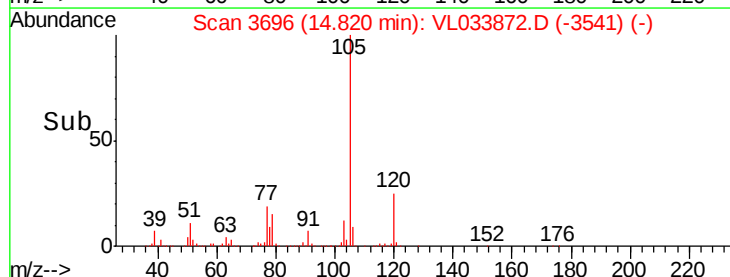
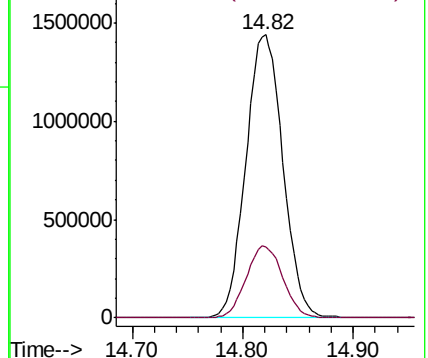
105 100

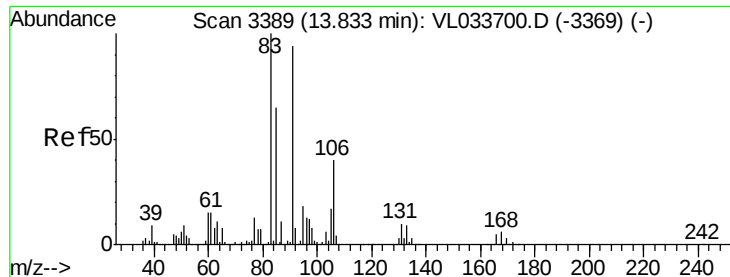
120 25.2 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

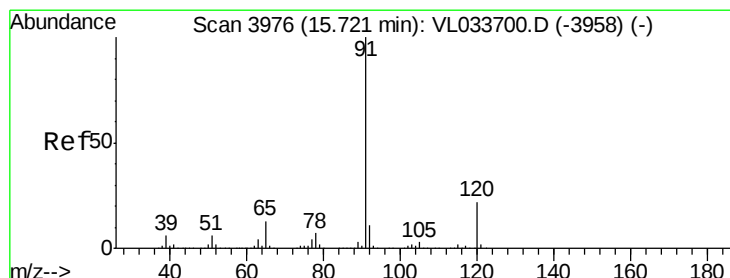
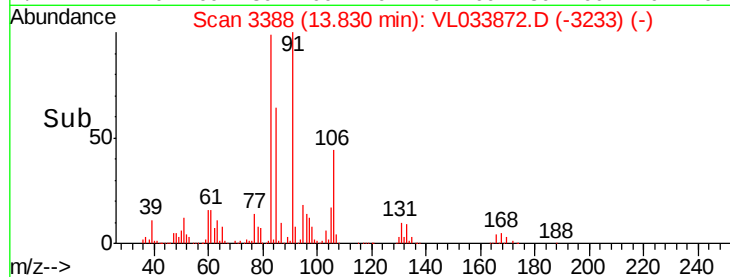
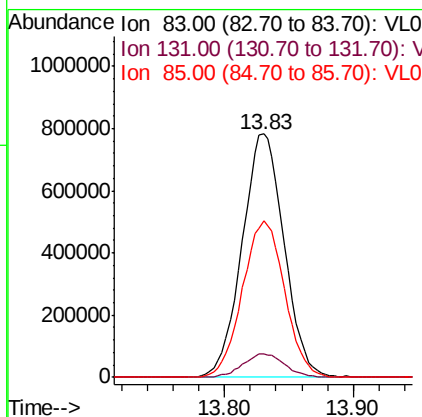
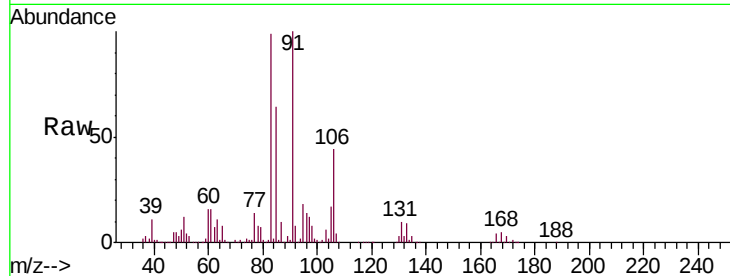




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.281 ppbv
 RT: 13.83 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

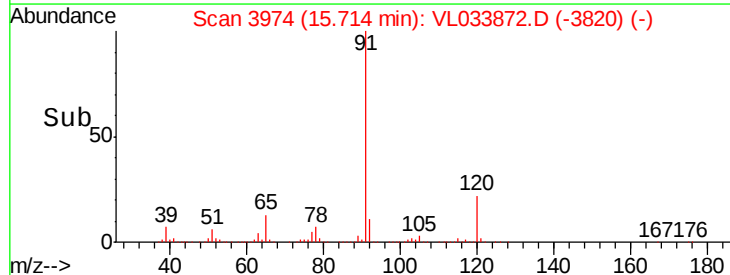
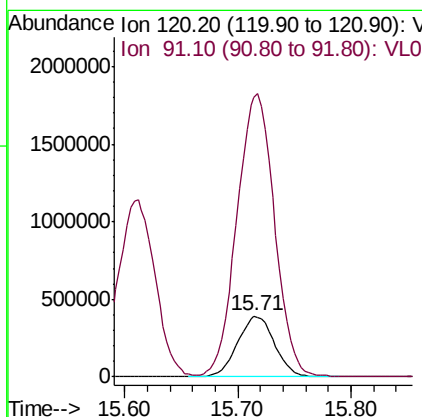
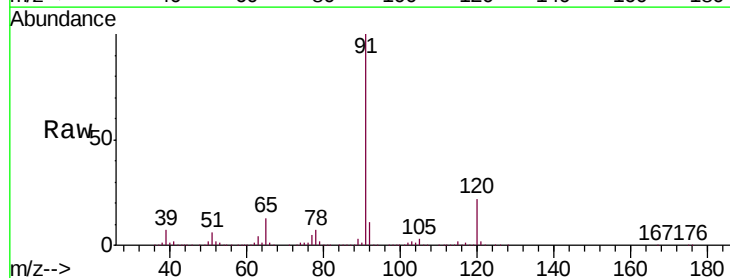
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

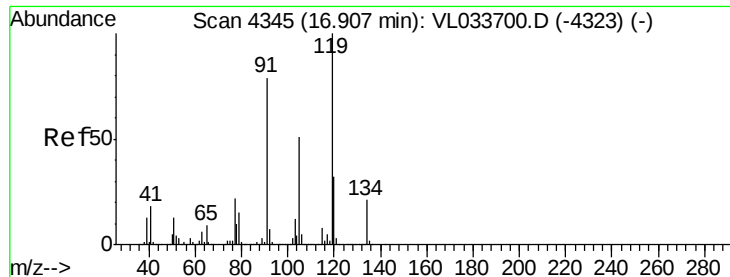
Tgt Ion: 83 Resp: 1768751
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.8 14.3
 85 65.1 32.3 96.9



#64
 n-propylbenzene
 Concen: 9.739 ppbv
 RT: 15.71 min Scan# 3974
 Delta R.T. -0.01 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

Tgt Ion: 120 Resp: 889081
 Ion Ratio Lower Upper
 120 100
 91 476.3 379.1 568.7

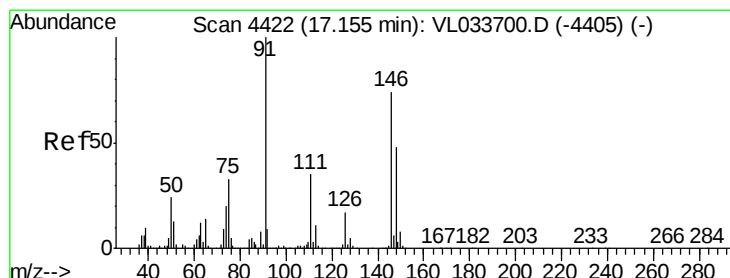
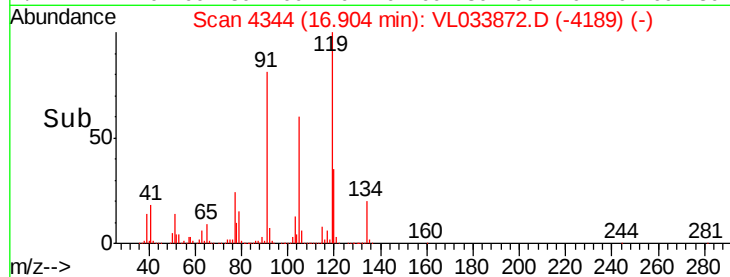
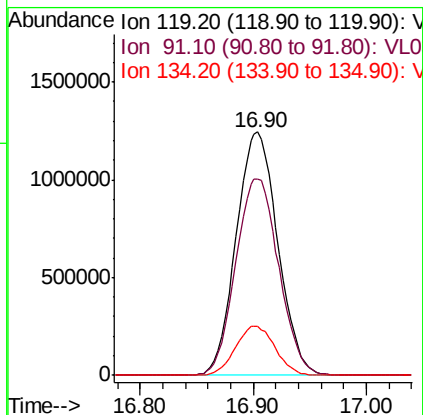
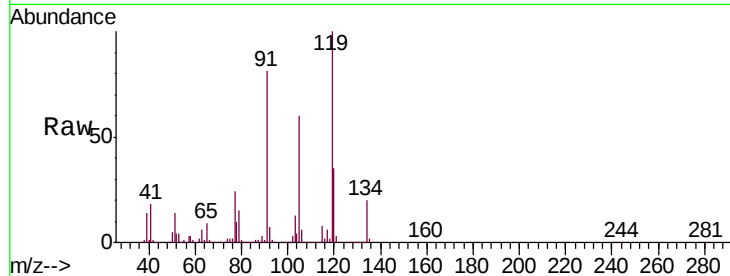




#65
 tert-Butylbenzene
 Concen: 9.873 ppbv
 RT: 16.90 min Scan# 4344
 Delta R.T. -0.00 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

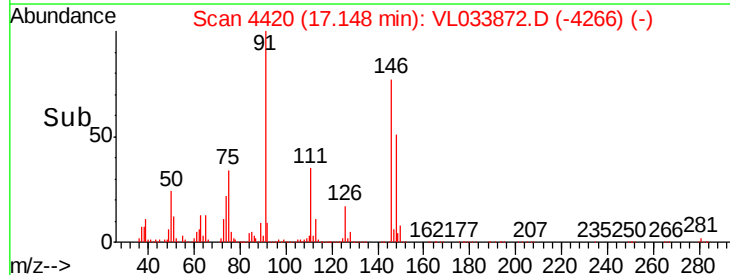
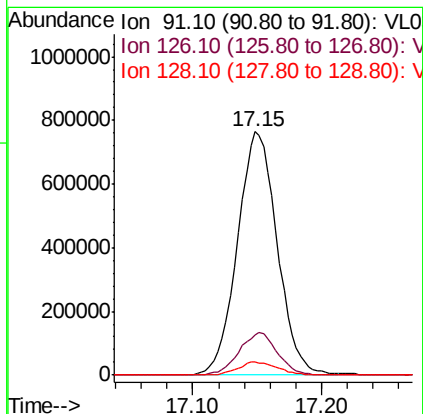
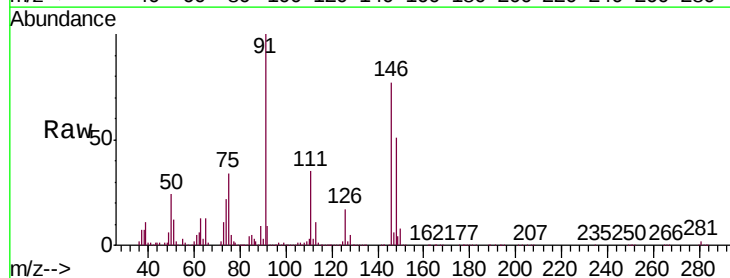
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

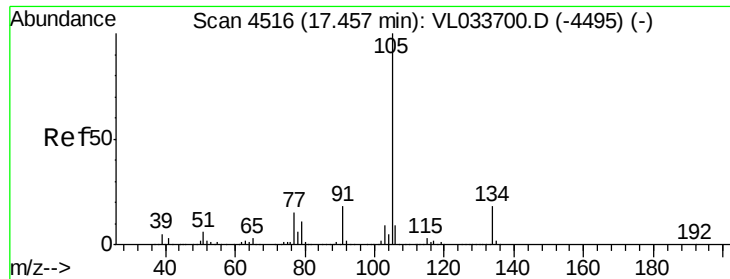
Tgt Ion: 119 Resp: 3181397
 Ion Ratio Lower Upper
 119 100
 91 83.6 65.3 97.9
 134 19.4 15.7 23.5



#66
 Benzyl Chloride
 Concen: 10.652 ppbv
 RT: 17.15 min Scan# 4420
 Delta R.T. -0.01 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

Tgt Ion: 91 Resp: 1634817
 Ion Ratio Lower Upper
 91 100
 126 17.0 13.5 20.3
 128 5.4 4.3 6.5

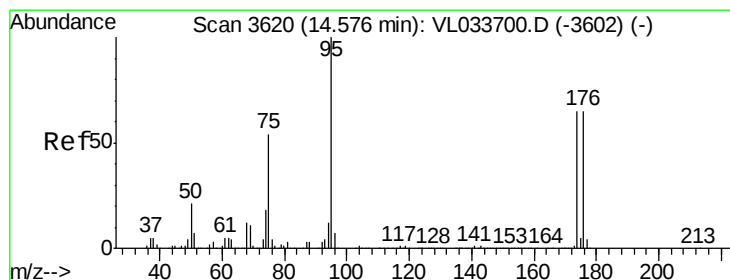
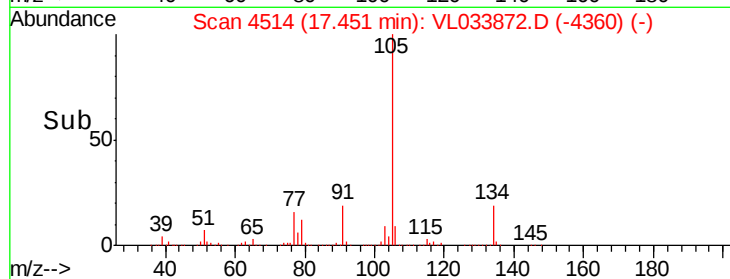
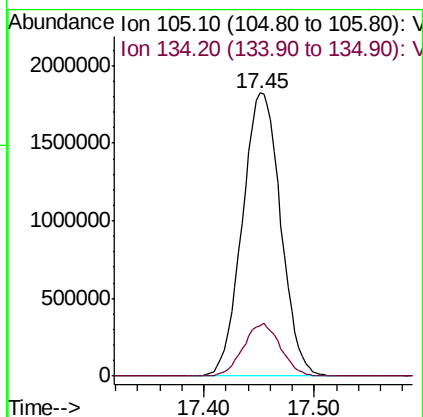
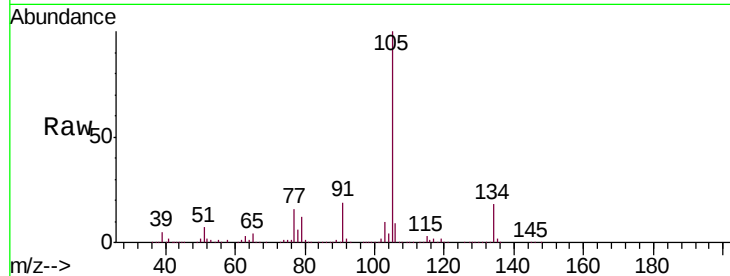




#67
 sec-Butylbenzene
 Concen: 9.761 ppbv
 RT: 17.45 min Scan# 4514
 Delta R.T. -0.01 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

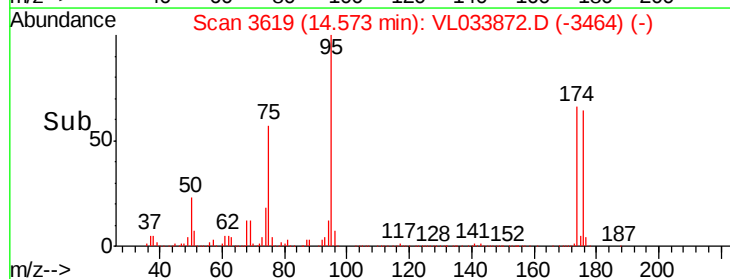
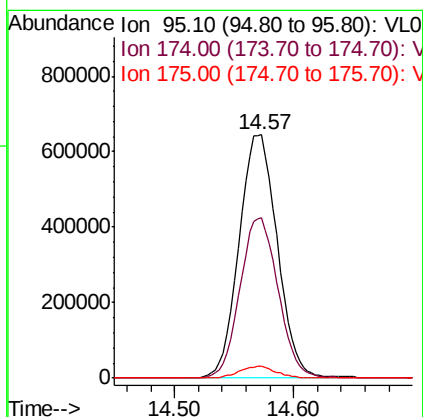
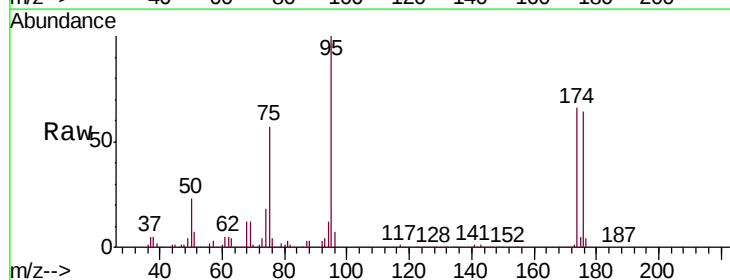
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

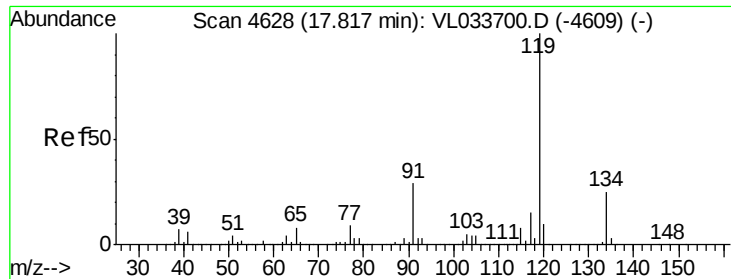
Tgt Ion: 105 Resp: 4402463
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.6 22.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.893 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

Tgt Ion: 95 Resp: 1437007
 Ion Ratio Lower Upper
 95 100
 174 65.8 53.9 80.9
 175 4.8 3.8 5.8

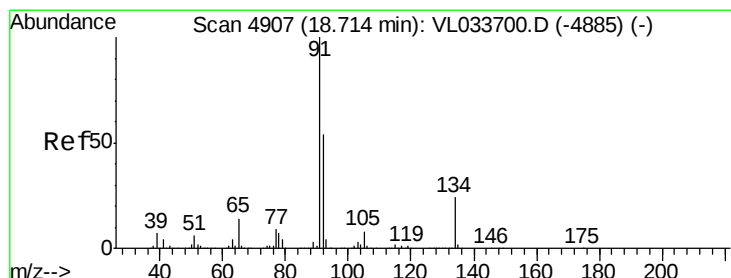
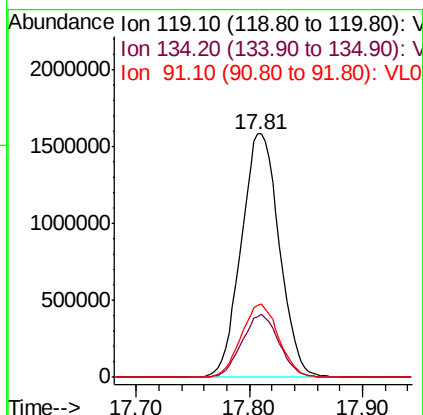
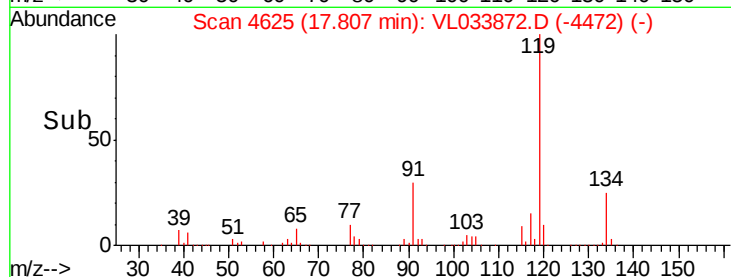
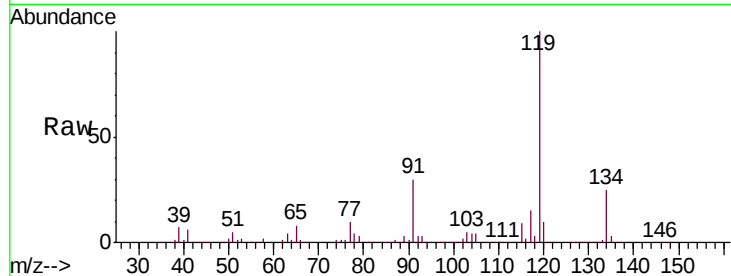




#69
p-Isopropyltoluene
Concen: 9.913 ppbv
RT: 17.81 min Scan# 4625
Delta R.T. -0.01 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

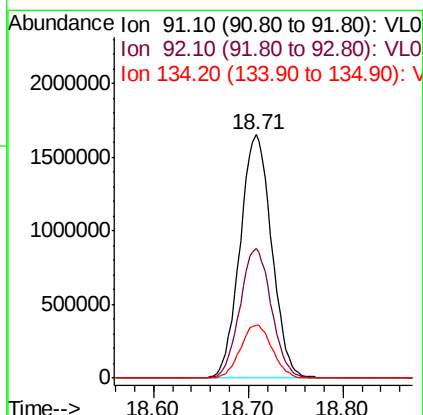
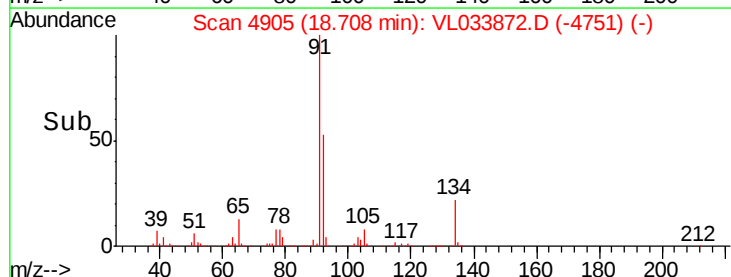
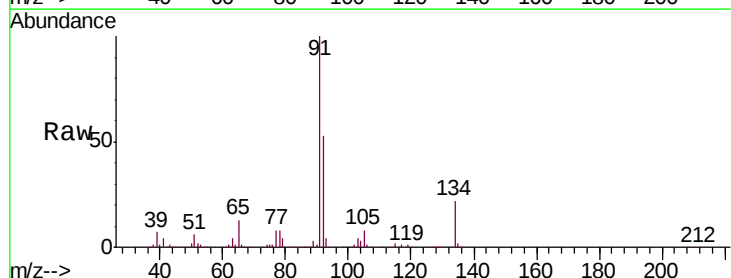
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

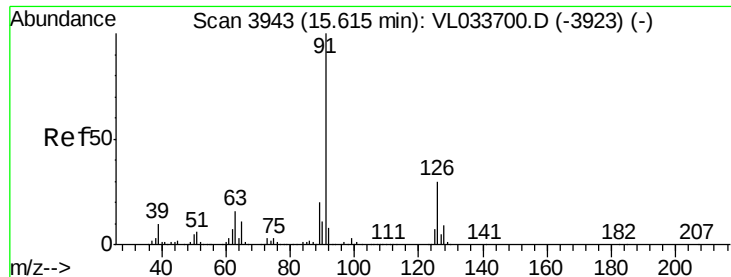
Tgt Ion: 119 Resp: 3695295
Ion Ratio Lower Upper
119 100
134 25.2 20.3 30.5
91 29.7 23.1 34.7



#70
n-Butylbenzene
Concen: 9.616 ppbv
RT: 18.71 min Scan# 4905
Delta R.T. -0.01 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion: 91 Resp: 3844030
Ion Ratio Lower Upper
91 100
92 53.1 42.6 63.8
134 22.0 18.1 27.1





#71

2-Chlorotoluene

Concen: 9.788 ppbv

RT: 15.61 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

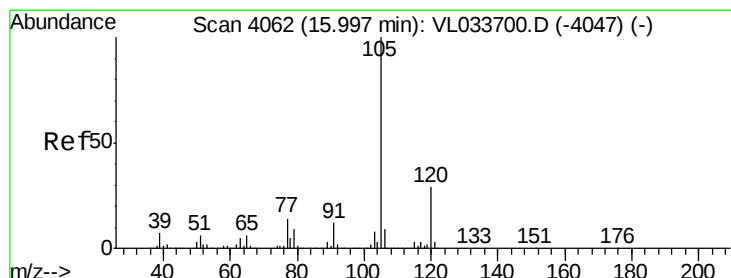
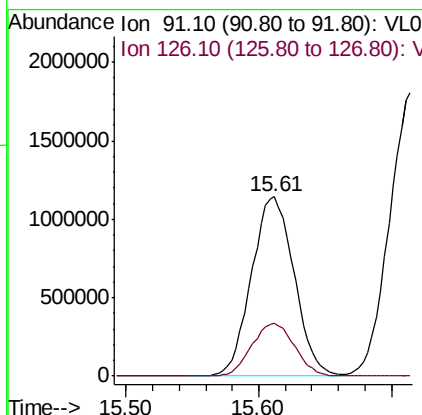
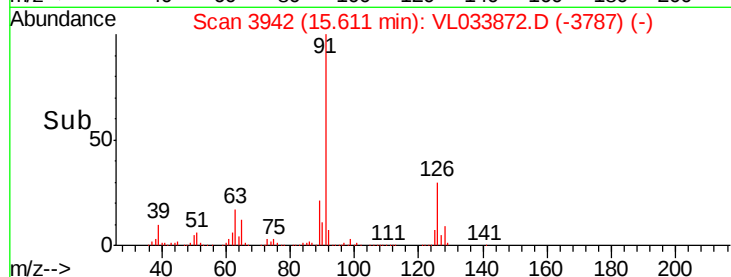
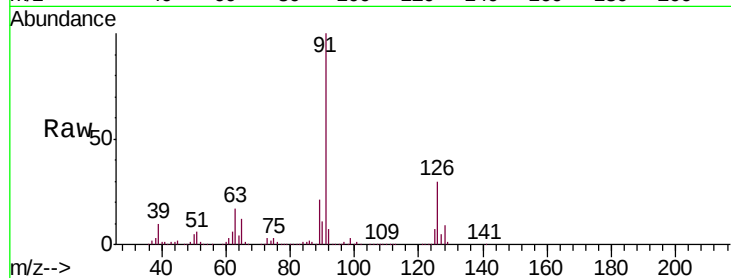
VSTDCCC010EC

Tgt Ion: 91 Resp: 2563001

Ion Ratio Lower Upper

91 100

126 29.7 12.0 47.8



#72

4-Ethyltoluene

Concen: 10.063 ppbv

RT: 15.99 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Tgt Ion: 105 Resp: 3015392

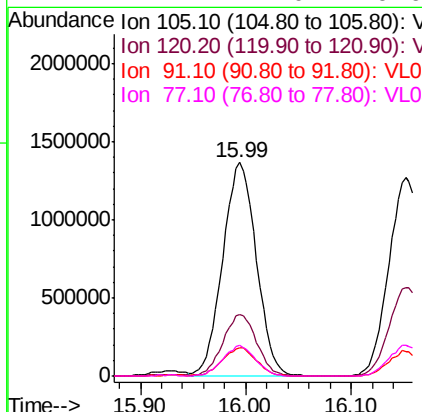
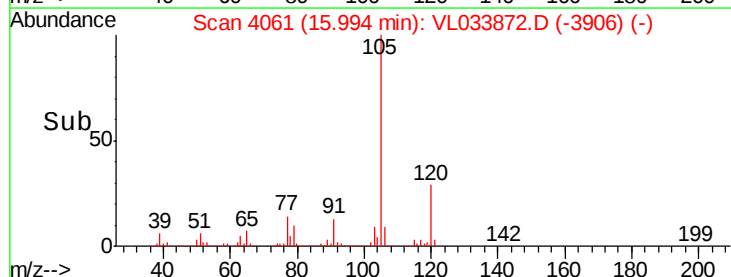
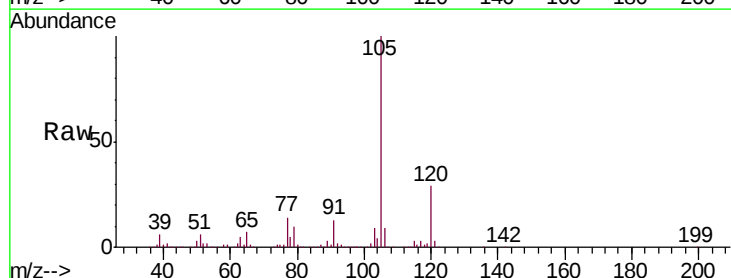
Ion Ratio Lower Upper

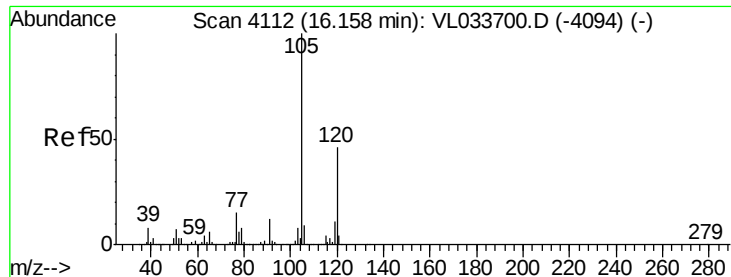
105 100

120 28.8 23.1 34.7

91 13.3 10.4 15.6

77 14.4 11.0 16.6

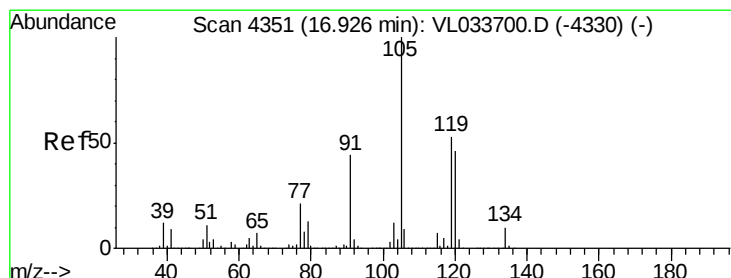
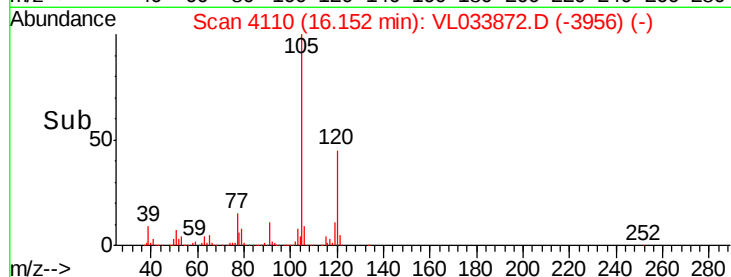
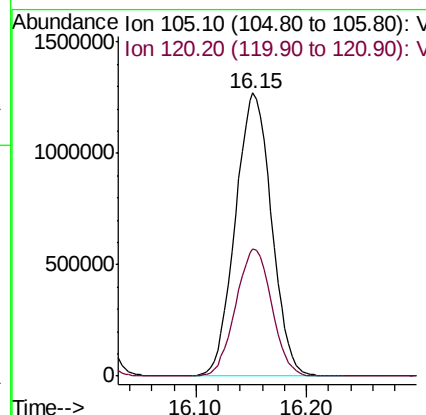
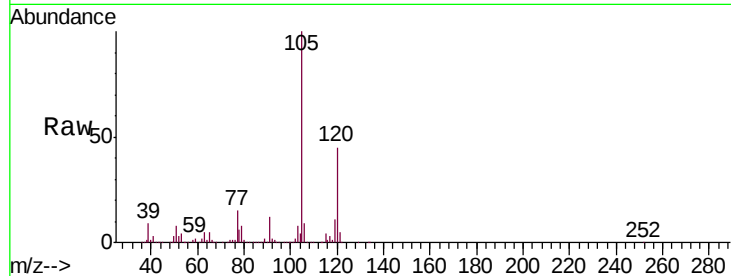




#73
 1,3,5-Trimethylbenzene
 Concen: 9.897 ppbv
 RT: 16.15 min Scan# 4110
 Delta R.T. -0.01 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

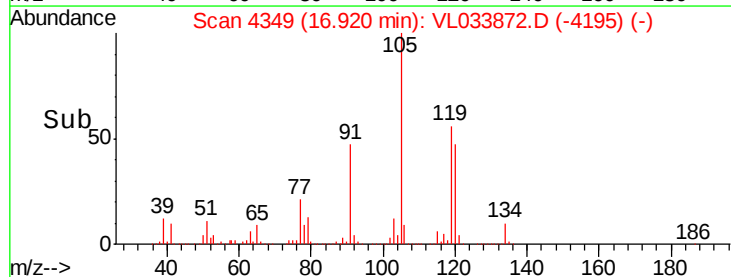
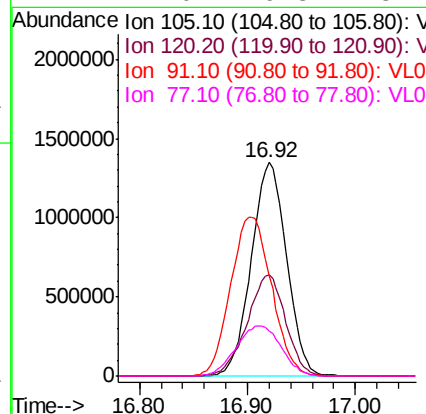
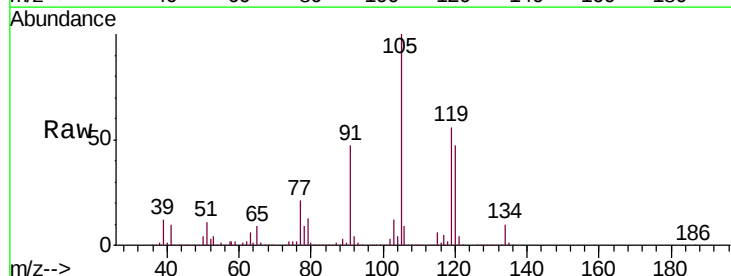
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

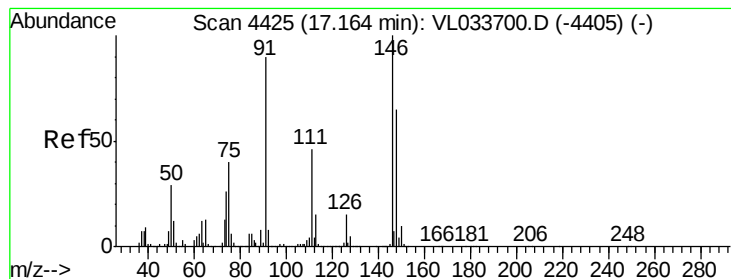
Tgt Ion:105 Resp: 2893544
 Ion Ratio Lower Upper
 105 100
 120 44.7 37.0 55.4



#74
 1,2,4-Trimethylbenzene
 Concen: 9.629 ppbv
 RT: 16.92 min Scan# 4349
 Delta R.T. -0.01 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

Tgt Ion:105 Resp: 3063674
 Ion Ratio Lower Upper
 105 100
 120 47.1 36.8 55.2
 91 46.5 35.4 53.0
 77 21.0 16.8 25.2





#75

1,3-Dichlorobenzene

Concen: 9.081 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

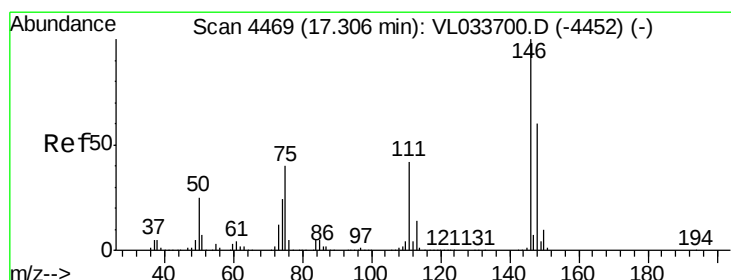
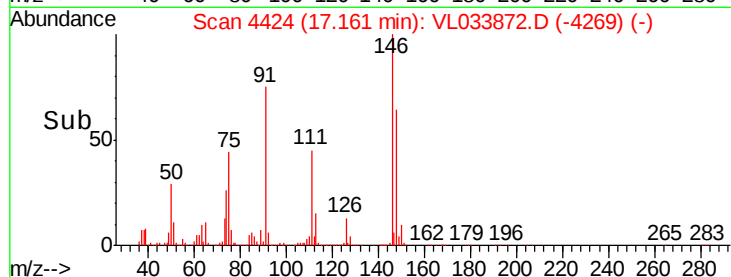
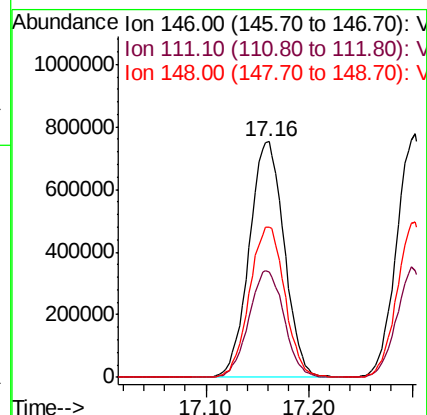
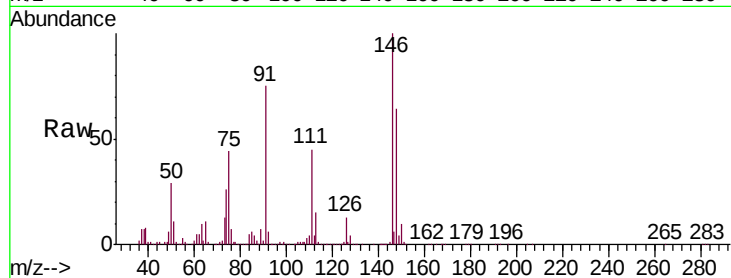
Tgt Ion:146 Resp: 1770576

Ion Ratio Lower Upper

146 100

111 45.6 22.9 68.8

148 64.3 32.0 96.2



#76

1,4-Dichlorobenzene

Concen: 9.386 ppbv

RT: 17.30 min Scan# 4468

Delta R.T. -0.00 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

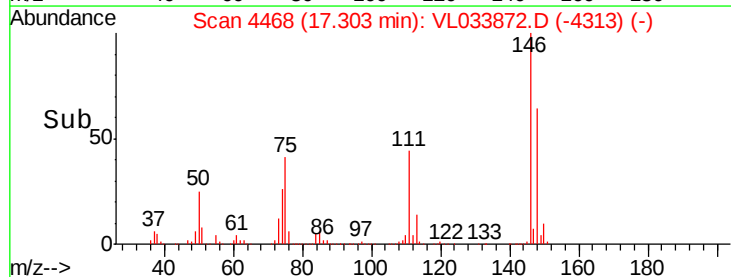
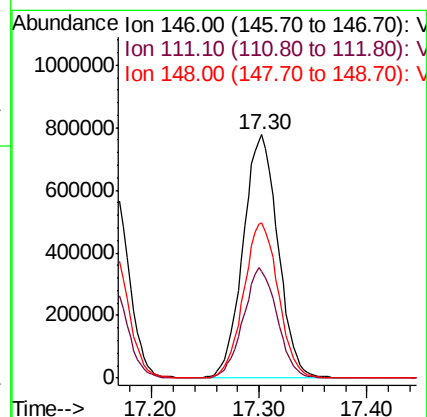
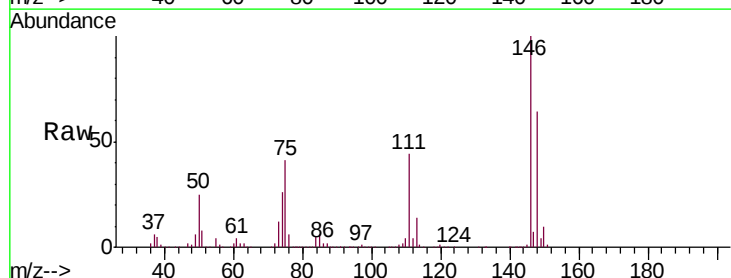
Tgt Ion:146 Resp: 1739320

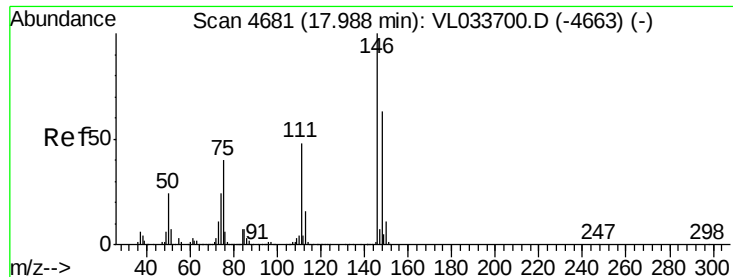
Ion Ratio Lower Upper

146 100

111 44.5 21.9 65.8

148 64.1 32.1 96.3

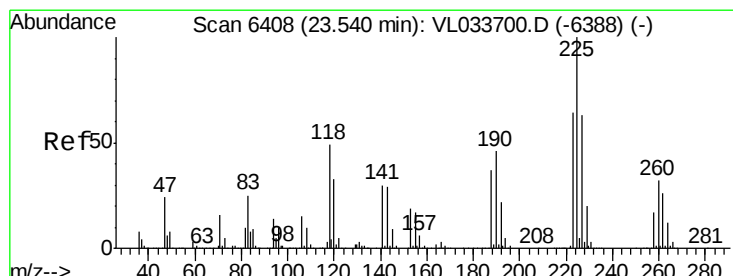
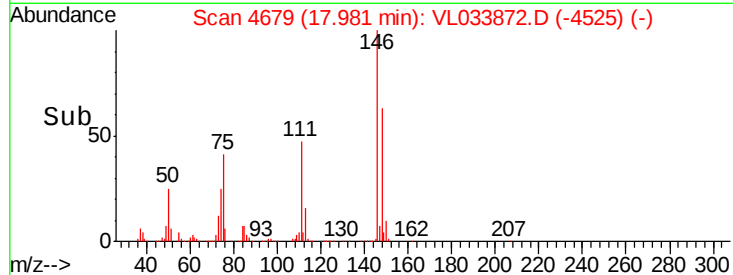
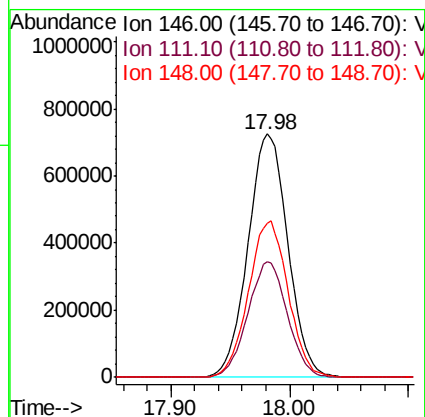
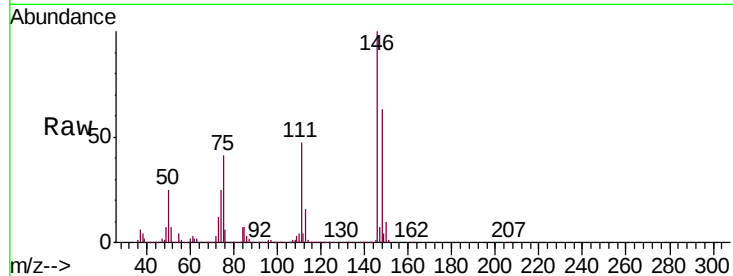




#77
 1,2-Dichlorobenzene
 Concen: 9.170 ppbv
 RT: 17.98 min Scan# 4679
 Delta R.T. -0.01 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

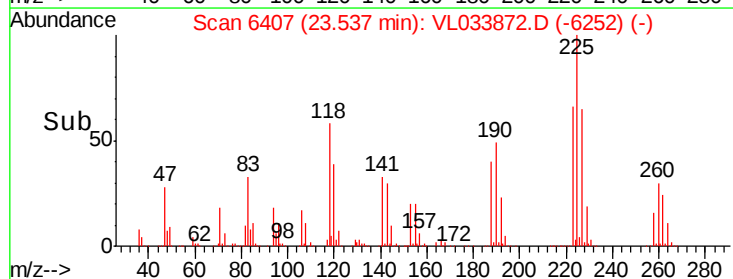
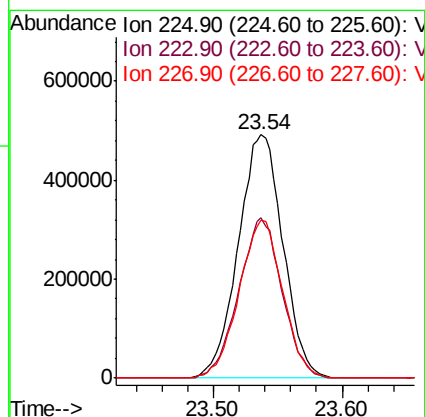
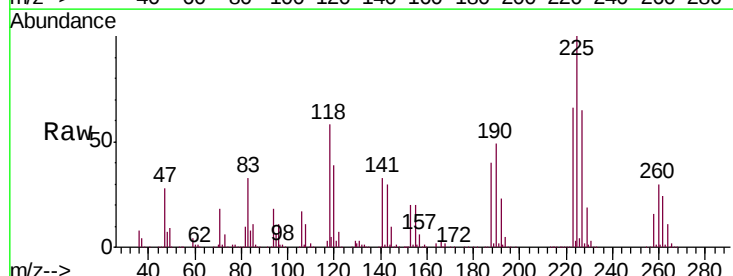
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

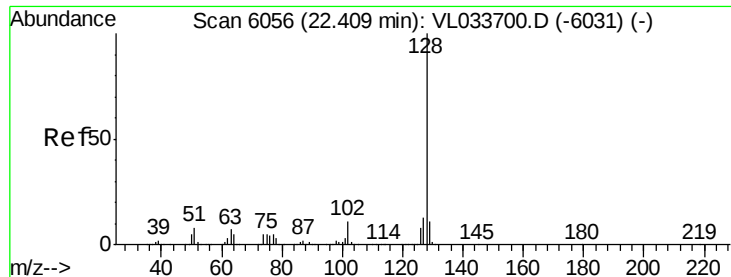
Tgt Ion:146 Resp: 1680027
 Ion Ratio Lower Upper
 146 100
 111 47.3 23.5 70.5
 148 64.1 32.1 96.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.557 ppbv
 RT: 23.54 min Scan# 6407
 Delta R.T. -0.00 min
 Lab File: VL033872.D
 Acq: 30 May 2019 16:00

Tgt Ion:225 Resp: 1185305
 Ion Ratio Lower Upper
 225 100
 223 63.7 50.2 75.4
 227 63.3 50.7 76.1

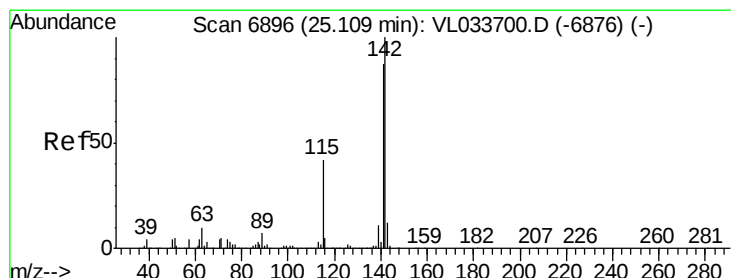
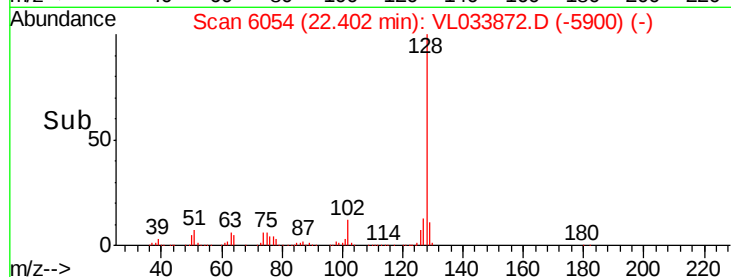
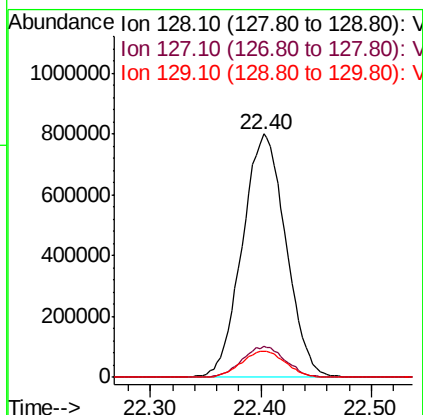
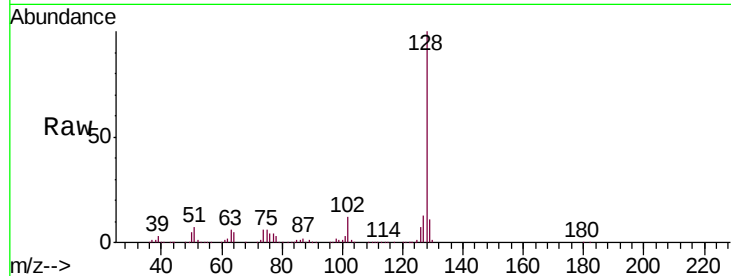




#79
Naphthalene
Concen: 7.393 ppbv
RT: 22.40 min Scan# 6054
Delta R.T. -0.01 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

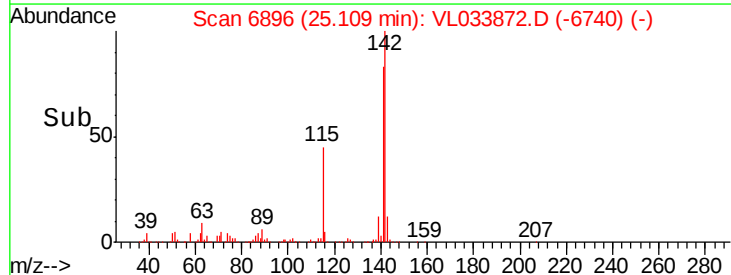
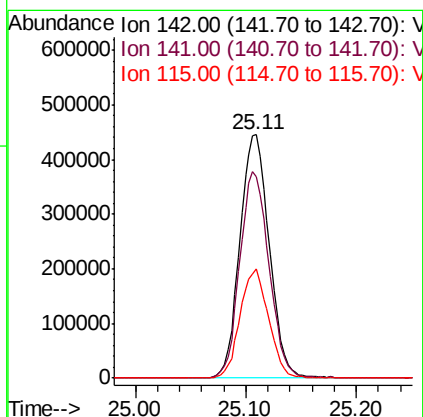
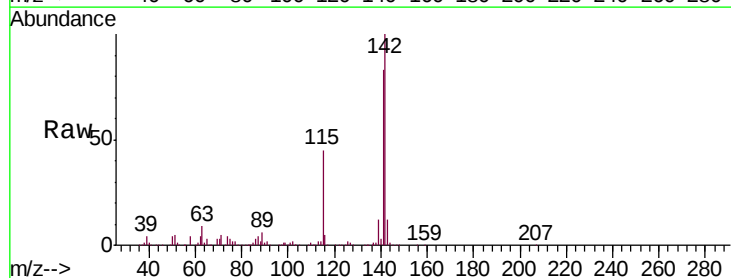
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

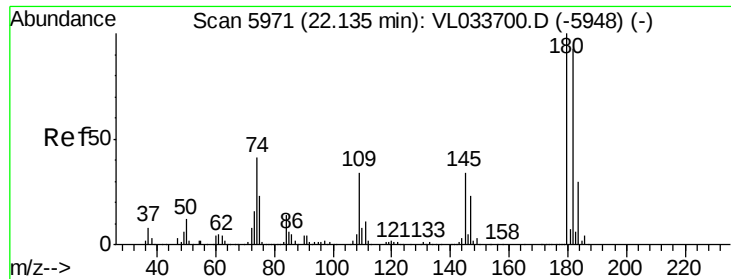
Tgt Ion:128 Resp: 2184917
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.5 8.9 13.3



#80
Naphthalene, 2-methyl-
Concen: 7.319 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. 0.00 min
Lab File: VL033872.D
Acq: 30 May 2019 16:00

Tgt Ion:142 Resp: 821861
Ion Ratio Lower Upper
142 100
141 84.9 67.2 100.8
115 43.6 34.1 51.1





#81

1,2,4-Trichlorobenzene

Concen: 7.488 ppbv

RT: 22.12 min Scan# 5967

Delta R.T. -0.01 min

Lab File: VL033872.D

Acq: 30 May 2019 16:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

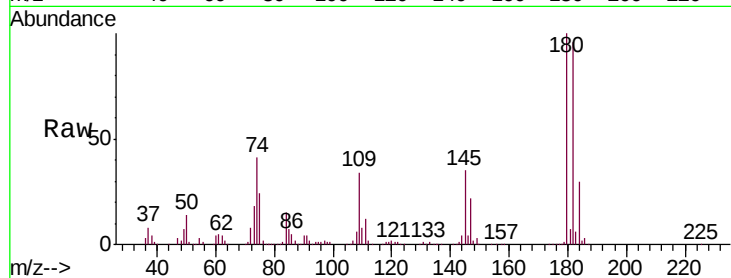
Tgt Ion:180 Resp: 1295808

Ion Ratio Lower Upper

180 100

182 97.3 76.1 114.1

184 30.9 24.6 37.0



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

