

Data File : VL034015.D
Acq On : 8 Jul 2019 17:19
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010EC

Quant Time: Jul 09 03:49:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	1107227	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.26	114	2821812	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.20	117	3041174	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.53	95	2250145	8.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	86.80%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.06	85	1797598	7.867	ppbv	100
3) Chlorodifluoromethane	2.99	51	1274392	9.321	ppbv	100
4) Chloromethane	3.15	50	740208	9.415	ppbv	96
5) Vinyl Chloride	3.27	62	813185	9.198	ppbv	97
6) Bromomethane	3.49	94	529176	10.151	ppbv	96
7) Chloroethane	3.58	64	309319	9.790	ppbv	97
8) Dichlorotetrafluoroethane	3.20	85	2107618	9.461	ppbv	100
9) Propene	3.02	41	484279	9.628	ppbv	95
10) Heptane	8.21	43	1402392	11.136	ppbv	100
11) Trichlorofluoromethane	3.98	101	2264509	8.814	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1624996	8.935	ppbv	99
13) Ethanol	3.63	45	146001	9.344	ppbv	91
14) Bromoethene	3.76	108	702859	10.350	ppbv	98
15) Acetone	3.88	43	1529817	8.218	ppbv	100
16) 1,3-Butadiene	3.34	39	675362	10.274	ppbv	99
17) tert-Butyl alcohol	4.33	59	1452868	9.789	ppbv	99
18) 1,1-Dichloroethene	4.33	96	758661	9.366	ppbv	99
19) Isopropyl Alcohol	4.00	45	1156111	9.252	ppbv	100
20) Methylene Chloride	4.38	84	661773	8.151	ppbv	96
21) Allyl Chloride	4.45	41	1111115	9.573	ppbv	99
22) trans-1,2-Dichloroethene	4.93	96	806381	10.448	ppbv	98
23) Vinyl Acetate	5.13	43	2022849	10.887	ppbv	100
24) 1,1-Dichloroethane	5.07	63	1678619	10.194	ppbv	100
25) Ethyl Acetate	5.74	43	2673792	10.501	ppbv	100
26) Hexane	5.75	57	1227729	10.537	ppbv	98
27) Carbon Disulfide	4.59	76	1988026	10.036	ppbv	100
28) Methyl tert-Butyl Ether	5.08	73	2103129	10.658	ppbv	100
29) Chloroform	5.82	83	2137111	9.760	ppbv	99
30) Cyclohexane	7.21	84	1027469	11.418	ppbv	96
31) cis-1,2-Dichloroethene	5.61	61	1274133	11.318	ppbv	99
32) 1,1,1-Trichloroethane	6.59	97	2081812	9.380	ppbv	99
34) 2-Butanone	5.30	43	1617126	10.828	ppbv	99
35) Carbon Tetrachloride	7.10	117	2230970	9.987	ppbv	96
36) Benzene	6.97	78	2488556	11.271	ppbv	99
37) 1,2-Dichloroethane	6.38	62	1652298	10.158	ppbv	100
38) Trichloroethene	7.93	130	1098615	11.183	ppbv	95
39) 1,2-Dichloropropane	7.70	63	895950	10.912	ppbv	97
40) 1,4-Dioxane	7.92	88	419288	11.061	ppbv #	95
41) Tetrahydrofuran	6.12	42	832417	11.366	ppbv	97
42) Bromodichloromethane	7.88	83	2334735	10.697	ppbv	97
43) Methyl Methacrylate	8.10	69	1017347	12.144	ppbv	98

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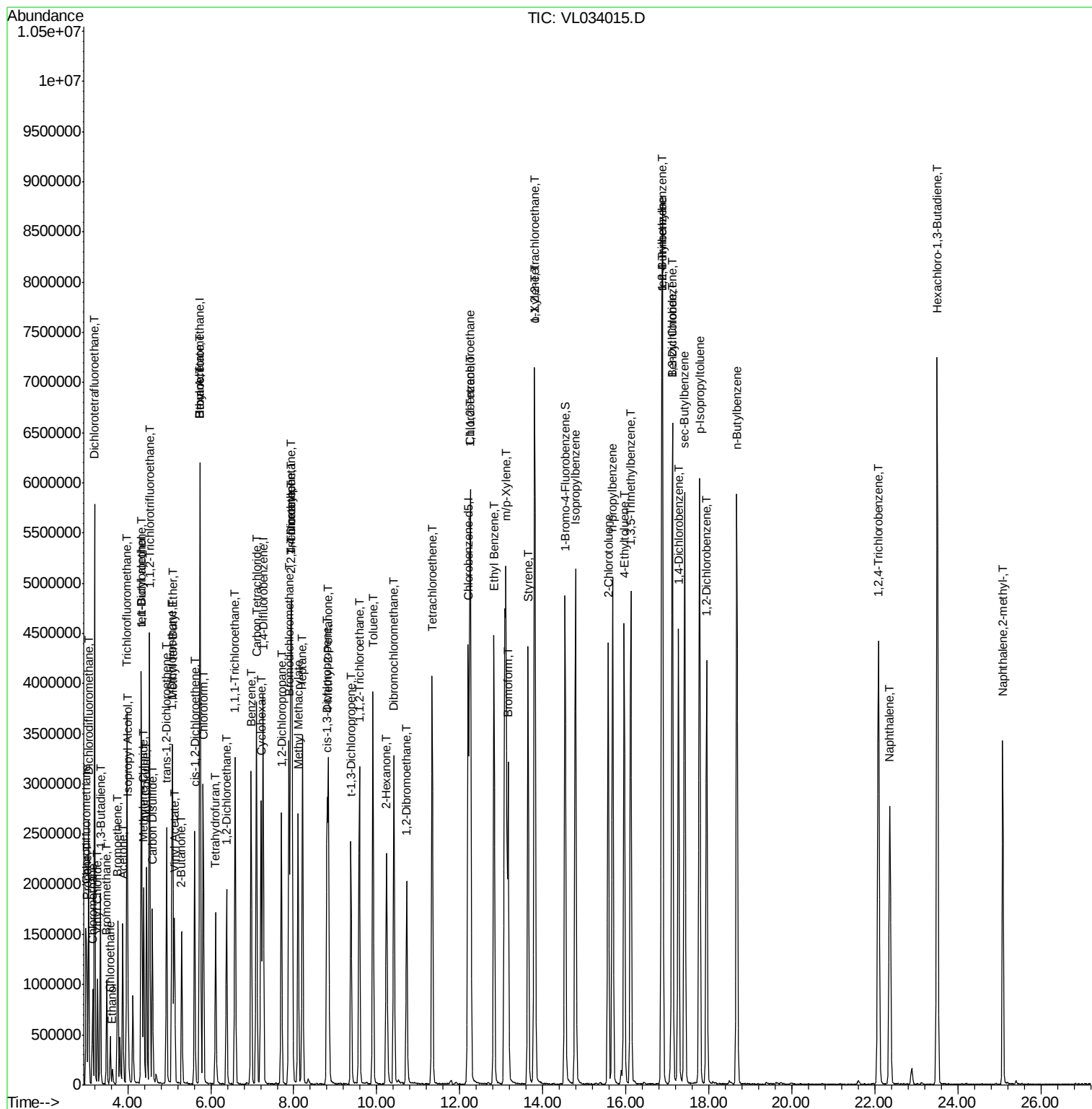
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.95	57	4209621	11.045	ppbv	99
45) t-1,3-Dichloropropene	9.38	75	1411989	12.889	ppbv	95
46) cis-1,3-Dichloropropene	8.80	75	1553168	12.242	ppbv	98
47) 1,1,2-Trichloroethane	9.58	97	1088615	10.546	ppbv	97
48) Dibromochloromethane	10.41	129	2016650	10.238	ppbv	100
49) Bromoform	13.16	173	1874616	11.140	ppbv	98
50) 4-Methyl-2-Pentanone	8.83	43	2426266	10.948	ppbv	98
51) 2-Hexanone	10.23	43	2001218	11.197	ppbv #	99
52) Tetrachloroethene	11.33	164	1029370	10.832	ppbv	97
53) Toluene	9.91	91	3026759	11.975	ppbv	99
54) 1,2-Dibromoethane	10.72	107	1688988	11.087	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.24	131	1330917	9.792	ppbv #	93
57) Chlorobenzene	12.26	112	2353610	9.721	ppbv	95
58) Ethyl Benzene	12.82	91	4191811	11.462	ppbv	99
59) m/p-Xylene	13.11	91	3451032	10.422	ppbv #	29
60) o-Xylene	13.81	91	3488282	10.530	ppbv	99
61) Styrene	13.64	104	2595405	11.839	ppbv	99
62) Isopropylbenzene	14.78	105	4653396	9.138	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.79	83	2406407	9.385	ppbv	99
64) n-propylbenzene	15.68	120	1190025	9.011	ppbv	99
65) tert-Butylbenzene	16.87	119	4190536	9.677	ppbv	99
66) Benzyl Chloride	17.12	91	2325552	10.496	ppbv	100
67) sec-Butylbenzene	17.42	105	5848705	9.622	ppbv	99
69) p-Isopropyltoluene	17.78	119	4847724	9.673	ppbv	100
70) n-Butylbenzene	18.67	91	5035579	9.565	ppbv	99
71) 2-Chlorotoluene	15.58	91	3478891	9.335	ppbv	100
72) 4-Ethyltoluene	15.96	105	4048764	9.517	ppbv	99
73) 1,3,5-Trimethylbenzene	16.12	105	3912944	9.885	ppbv	99
74) 1,2,4-Trimethylbenzene	16.88	105	4070729	9.285	ppbv	95
75) 1,3-Dichlorobenzene	17.12	146	2427081	8.715	ppbv	99
76) 1,4-Dichlorobenzene	17.27	146	2398569	9.145	ppbv	99
77) 1,2-Dichlorobenzene	17.95	146	2320294	8.998	ppbv	100
78) Hexachloro-1,3-Butadiene	23.50	225	2114620	9.637	ppbv	98
79) Naphthalene	22.36	128	3745891	10.163	ppbv	98
80) Naphthalene,2-methyl-	25.08	142	1948906	14.530	ppbv	97
81) 1,2,4-Trichlorobenzene	22.09	180	2220370	9.380	ppbv	100

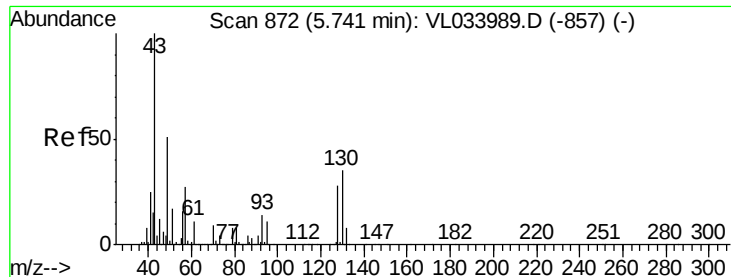
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 869

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

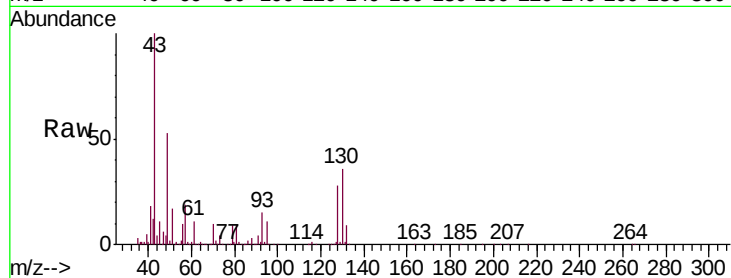
Tgt Ion: 49 Resp: 1107227

Ion Ratio Lower Upper

49 100

128 55.9 27.9 83.6

130 72.4 35.8 107.4



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

5.73

800000

600000

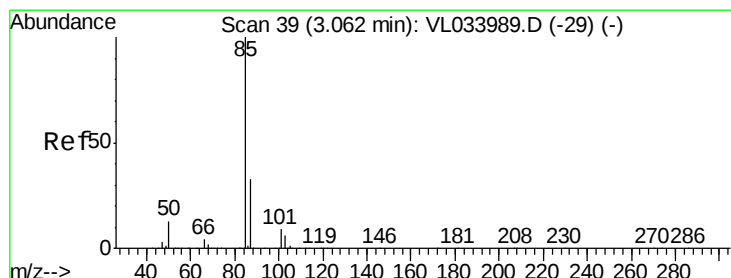
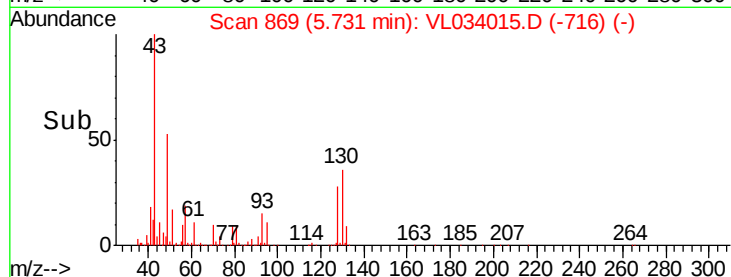
400000

200000

0

5.65 5.70 5.75 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 7.867 ppbv

RT: 3.06 min Scan# 38

Delta R.T. -0.00 min

Lab File: VL034015.D

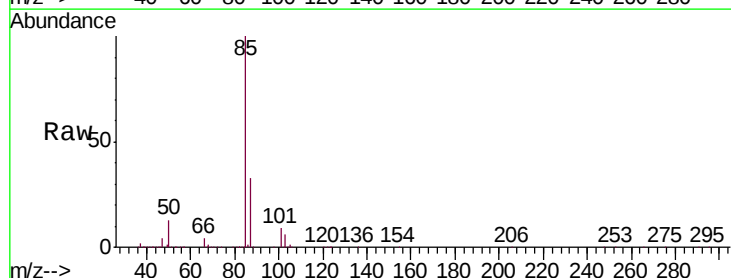
Acq: 8 Jul 2019 17:19

Tgt Ion: 85 Resp: 1797598

Ion Ratio Lower Upper

85 100

87 32.6 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.06

1500000

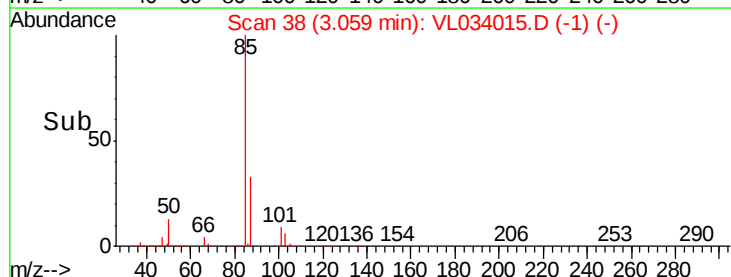
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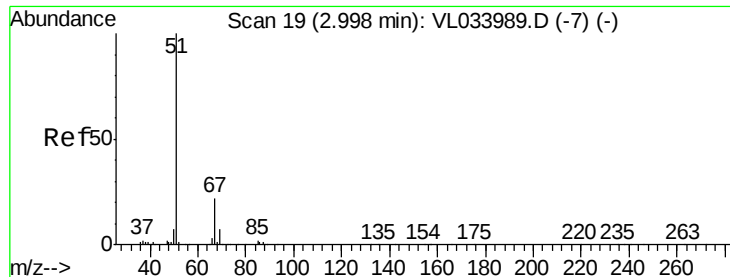
500000

0

3.00 3.05 3.10

Time-->





#3

Chlorodifluoromethane

Concen: 9.321 ppbv

RT: 2.99 min Scan# 18

Delta R.T. -0.00 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

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ClientSampleId :

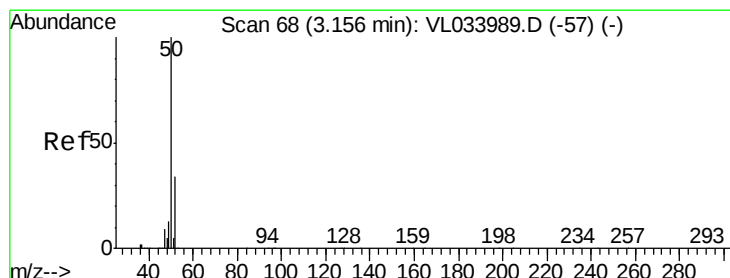
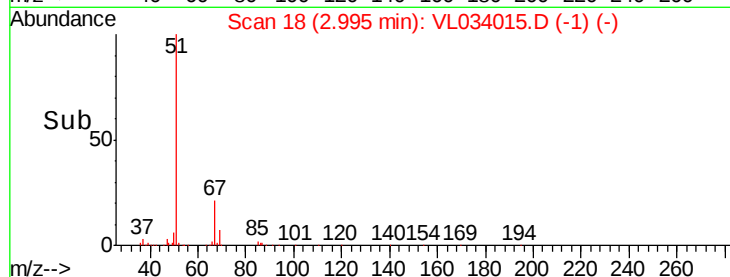
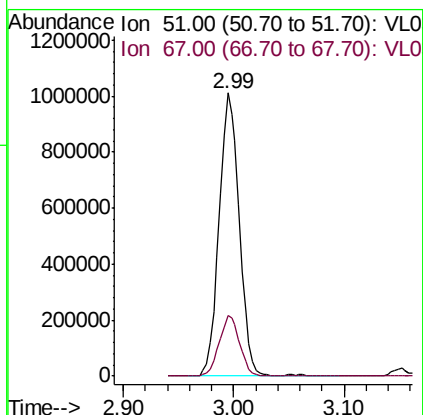
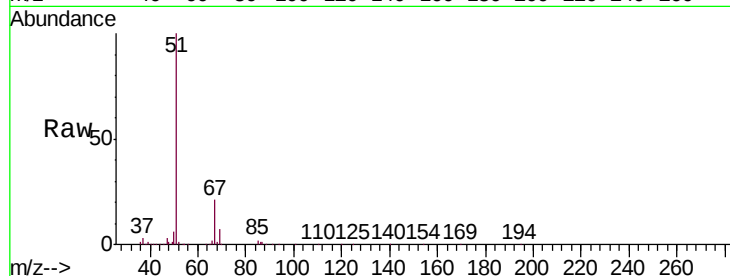
VSTDCCC010EC

Tgt Ion: 51 Resp: 1274392

Ion Ratio Lower Upper

51 100

67 21.8 17.3 25.9



#4

Chloromethane

Concen: 9.415 ppbv

RT: 3.15 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL034015.D

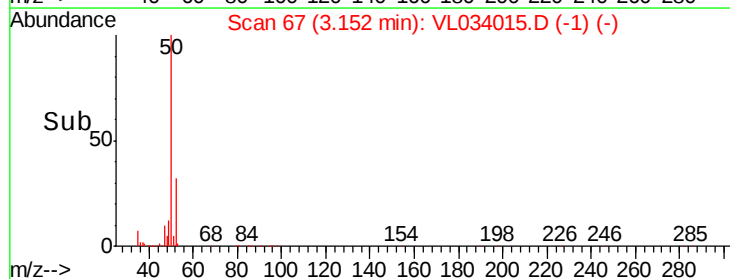
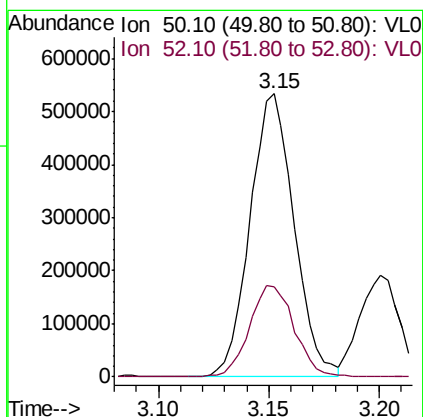
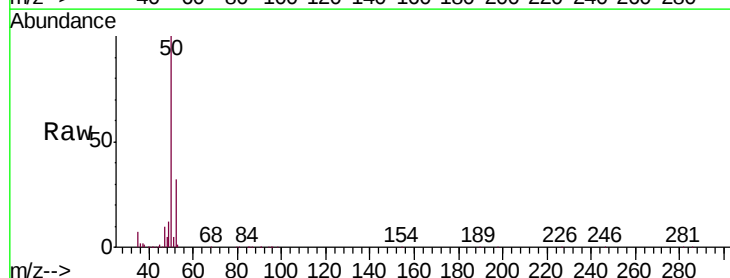
Acq: 8 Jul 2019 17:19

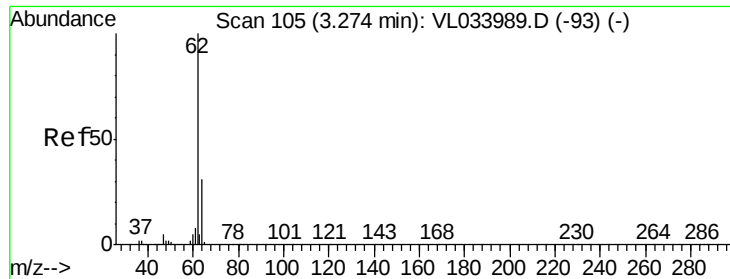
Tgt Ion: 50 Resp: 740208

Ion Ratio Lower Upper

50 100

52 32.1 27.4 41.0





#5

Vinyl Chloride

Concen: 9.198 ppbv

RT: 3.27 min Scan# 104

Delta R.T. -0.00 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

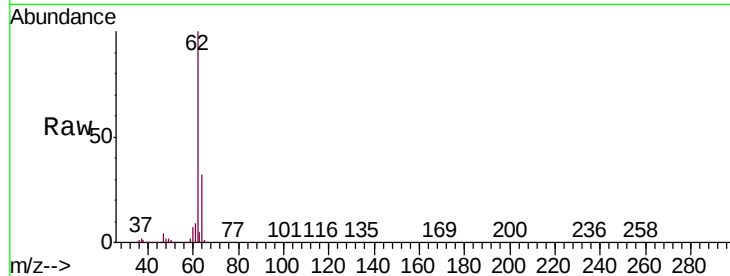
VSTDCCC010EC

Tgt Ion: 62 Resp: 813185

Ion Ratio Lower Upper

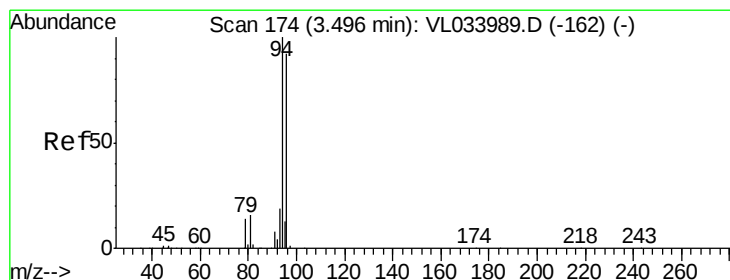
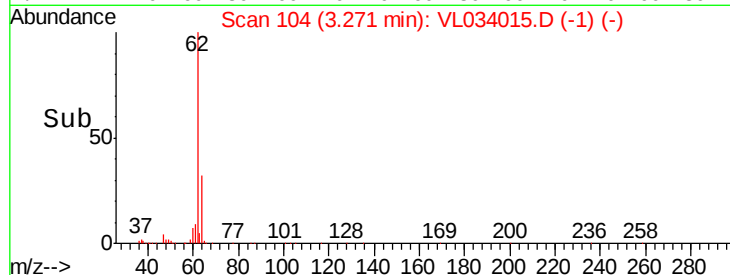
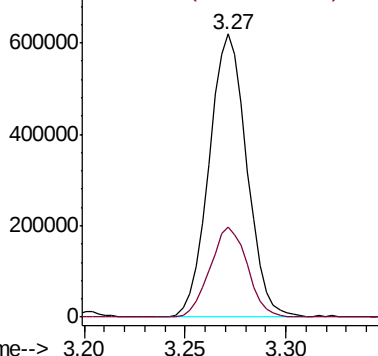
62 100

64 31.9 24.4 36.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.151 ppbv

RT: 3.49 min Scan# 173

Delta R.T. -0.00 min

Lab File: VL034015.D

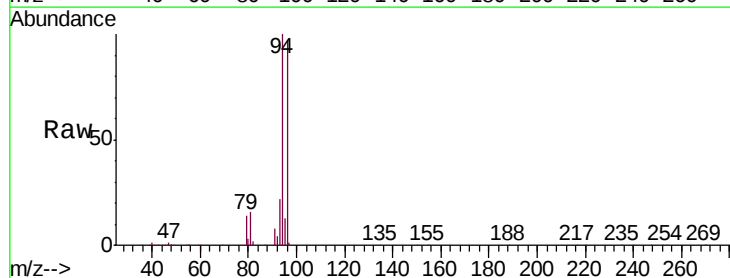
Acq: 8 Jul 2019 17:19

Tgt Ion: 94 Resp: 529176

Ion Ratio Lower Upper

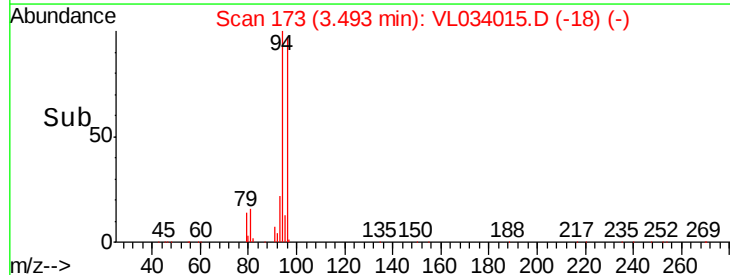
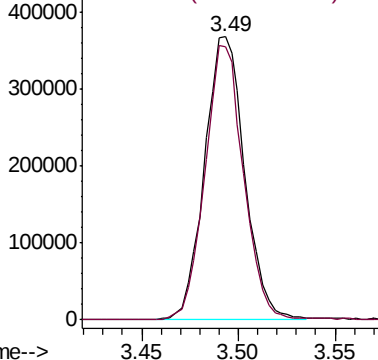
94 100

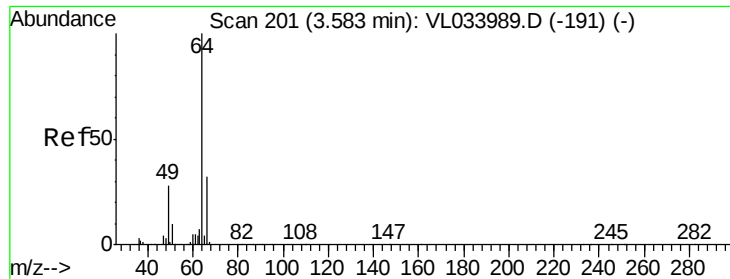
96 96.3 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.790 ppbv

RT: 3.58 min Scan# 200

Delta R.T. -0.00 min

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ClientSampleId :

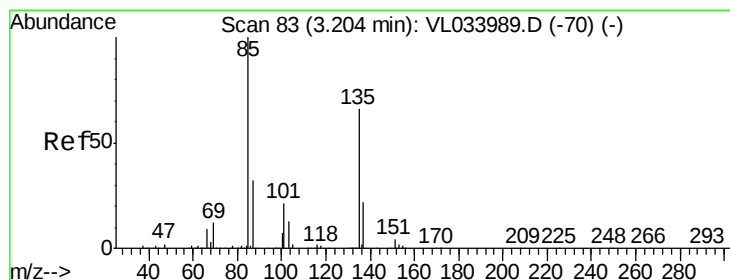
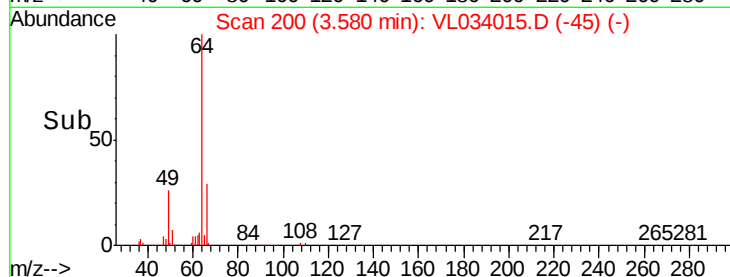
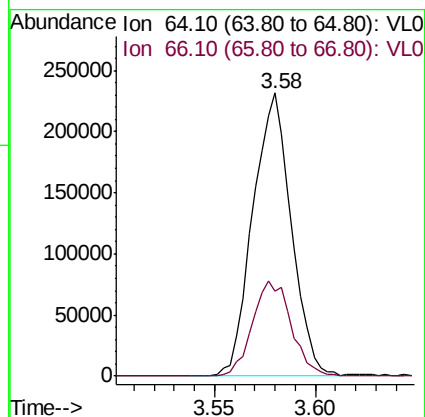
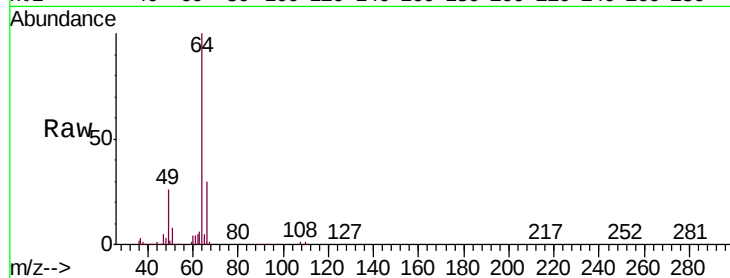
VSTDCCC010EC

Tgt Ion: 64 Resp: 309319

Ion Ratio Lower Upper

64 100

66 29.9 25.3 37.9



#8

Dichlorotetrafluoroethane

Concen: 9.461 ppbv

RT: 3.20 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL034015.D

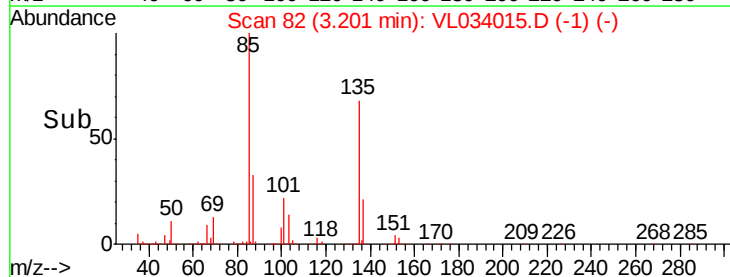
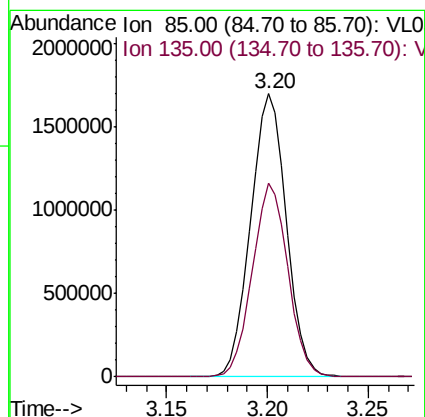
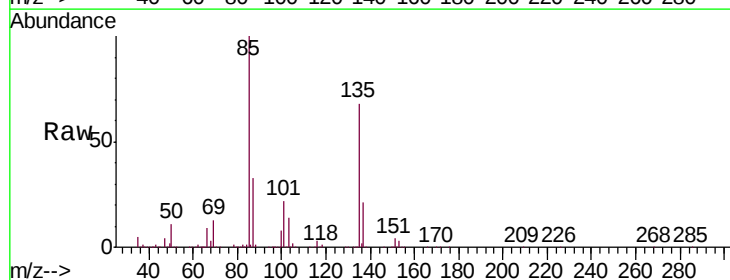
Acq: 8 Jul 2019 17:19

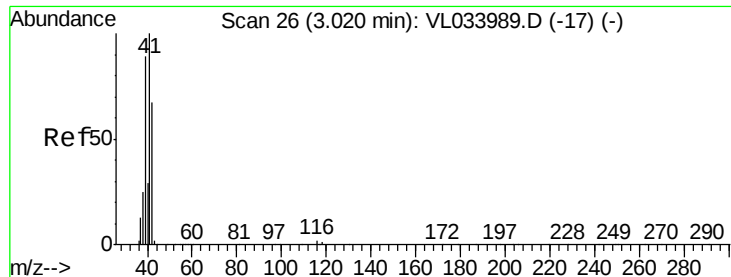
Tgt Ion: 85 Resp: 2107618

Ion Ratio Lower Upper

85 100

135 68.4 55.0 82.4





#9

Propene

Concen: 9.628 ppbv

RT: 3.02 min Scan# 25

Delta R.T. -0.00 min

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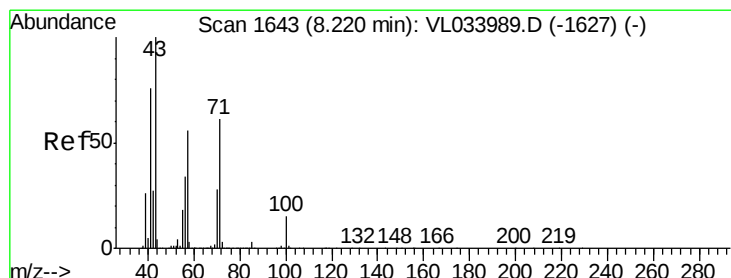
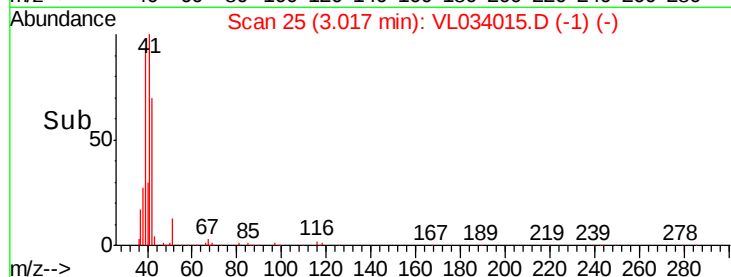
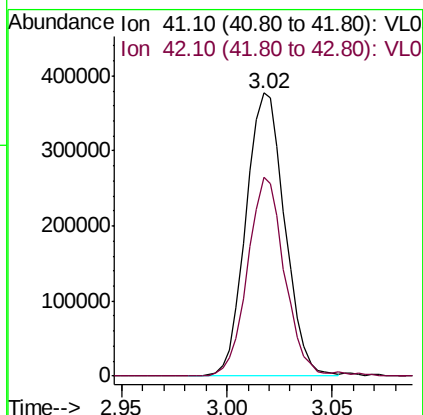
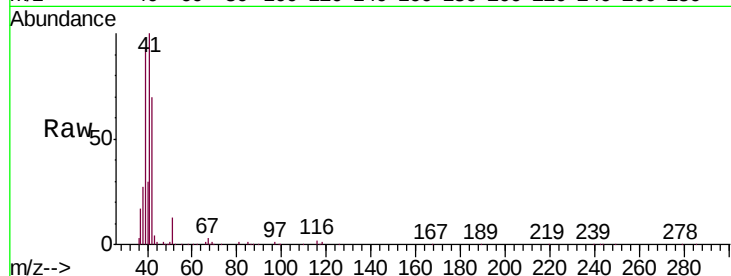
VSTDCCC010EC

Tgt Ion: 41 Resp: 484279

Ion Ratio Lower Upper

41 100

42 67.5 57.1 85.7



#10

Heptane

Concen: 11.136 ppbv

RT: 8.21 min Scan# 1640

Delta R.T. -0.01 min

Lab File: VL034015.D

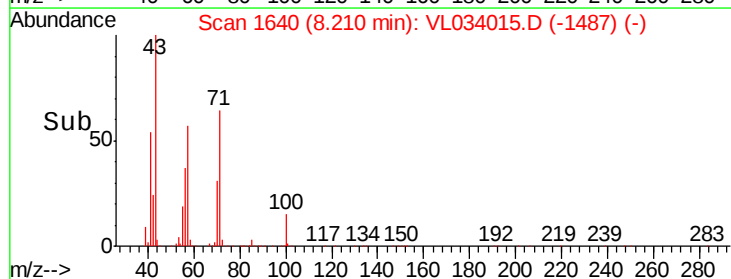
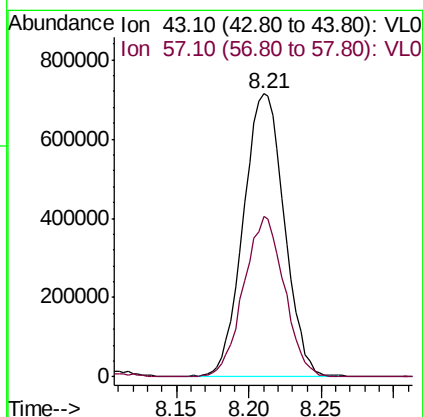
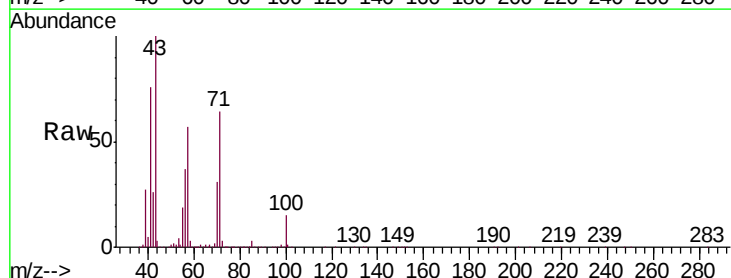
Acq: 8 Jul 2019 17:19

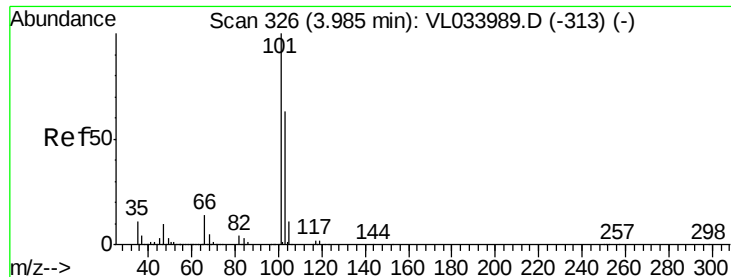
Tgt Ion: 43 Resp: 1402392

Ion Ratio Lower Upper

43 100

57 55.8 44.6 66.8





#11

Trichlorofluoromethane

Concen: 8.814 ppbv

RT: 3.98 min Scan# 324

Delta R.T. -0.01 min

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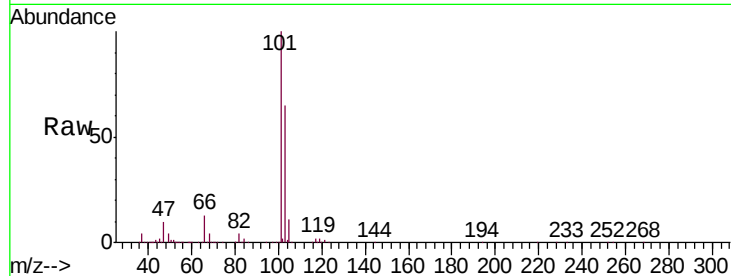
VSTDCCC010EC

Tgt Ion:101 Resp: 2264509

Ion Ratio Lower Upper

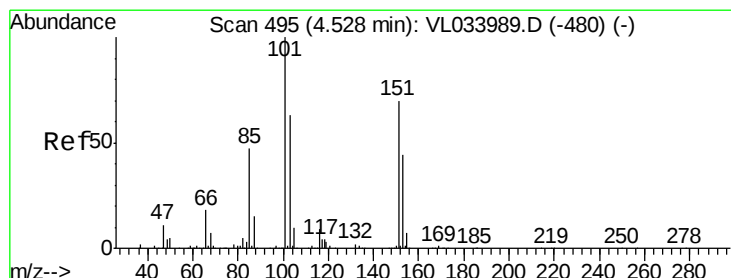
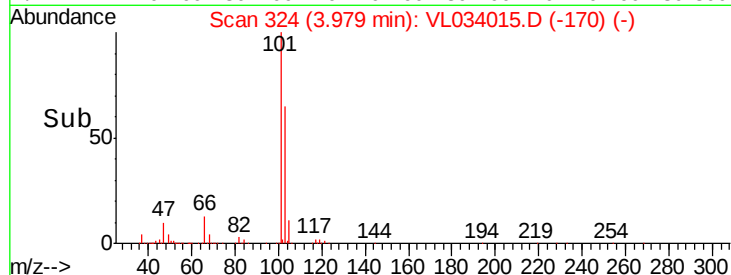
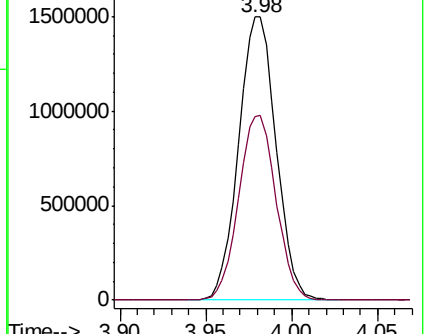
101 100

103 64.9 50.8 76.2



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: 8.935 ppbv

RT: 4.53 min Scan# 494

Delta R.T. -0.00 min

Lab File: VL034015.D

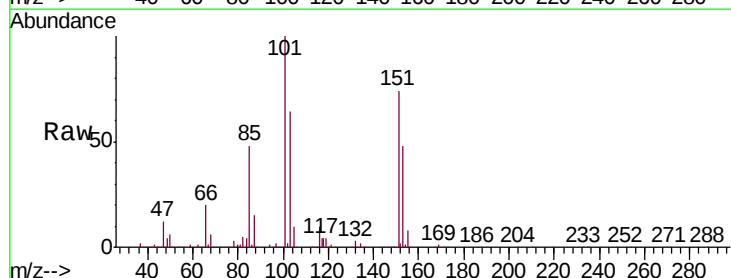
Acq: 8 Jul 2019 17:19

Tgt Ion:101 Resp: 1624996

Ion Ratio Lower Upper

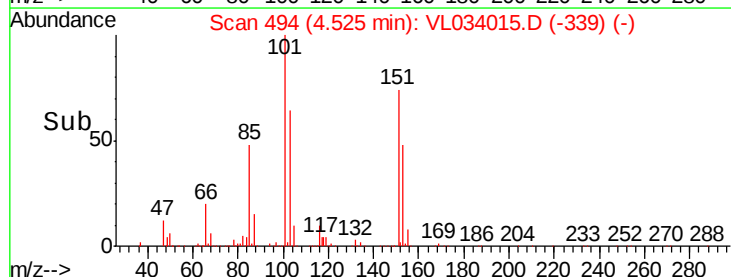
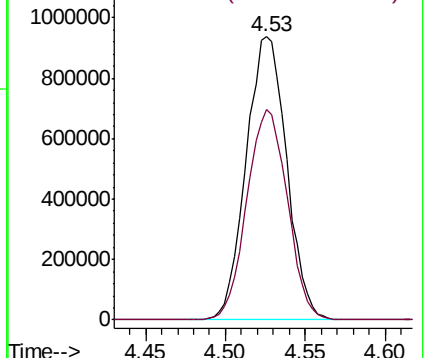
101 100

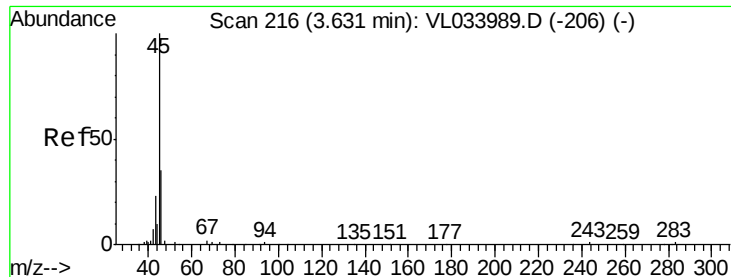
151 74.3 59.0 88.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.344 ppbv

RT: 3.63 min Scan# 215

Delta R.T. -0.00 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

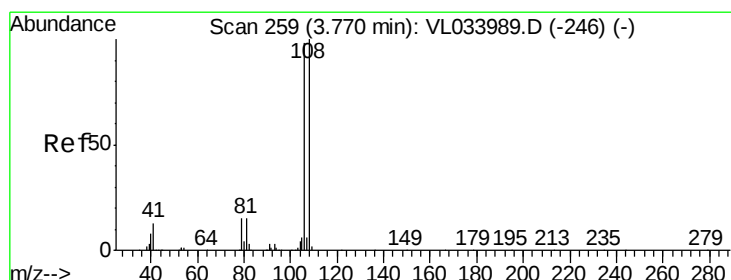
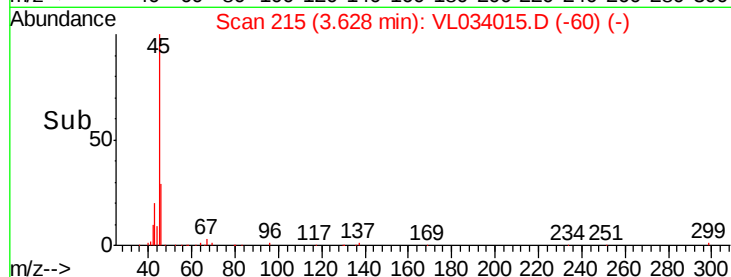
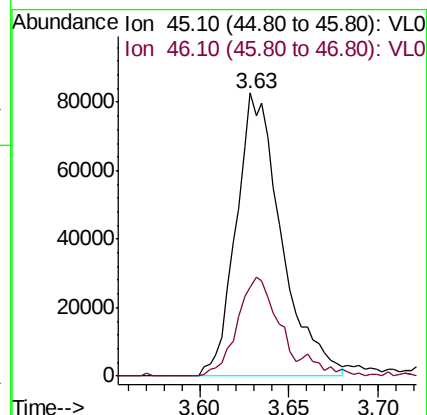
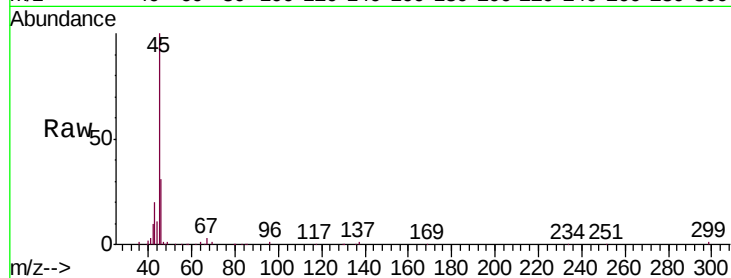
VSTDCCC010EC

Tgt Ion: 45 Resp: 146001

Ion Ratio Lower Upper

45 100

46 34.9 16.2 64.6



#14

Bromoethene

Concen: 10.350 ppbv

RT: 3.76 min Scan# 257

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

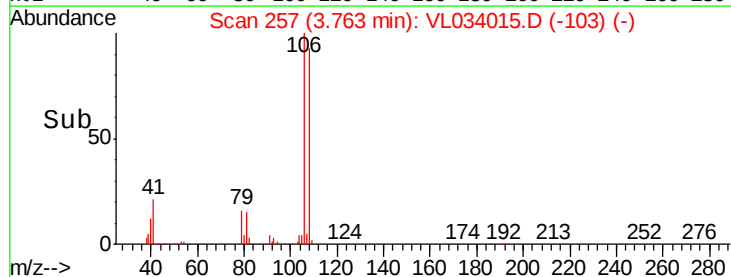
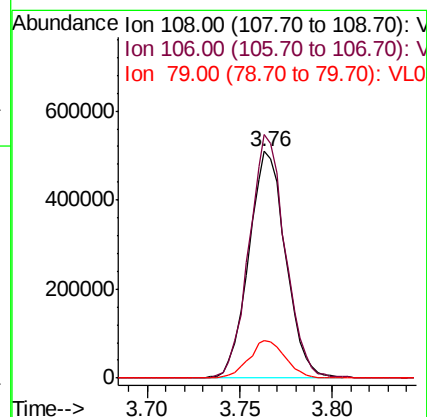
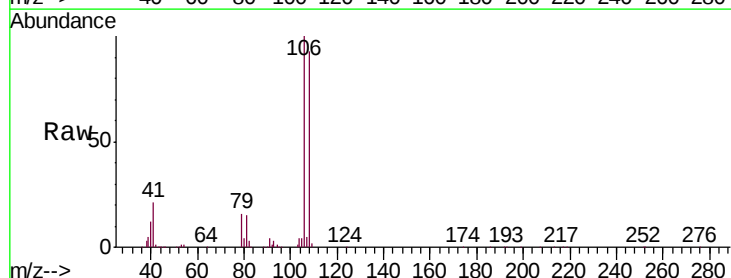
Tgt Ion: 108 Resp: 702859

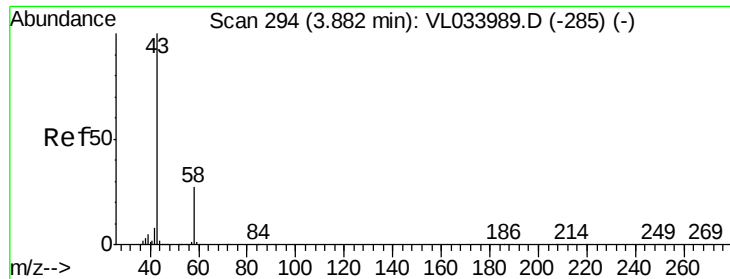
Ion Ratio Lower Upper

108 100

106 105.5 85.6 128.4

79 16.4 14.0 21.0





#15

Acetone

Concen: 8.218 ppbv

RT: 3.88 min Scan# 293

Delta R.T. -0.00 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

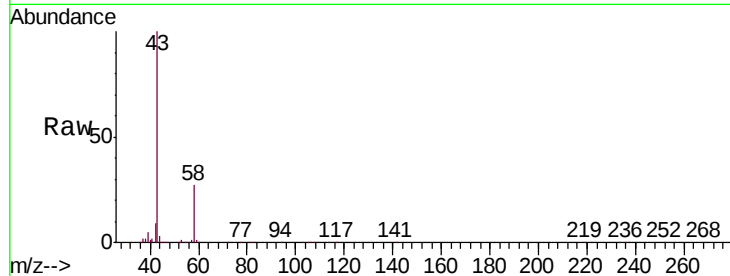
VSTDCCC010EC

Tgt Ion: 43 Resp: 1529817

Ion Ratio Lower Upper

43 100

58 26.7 21.4 32.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

1200000

1000000

800000

600000

400000

200000

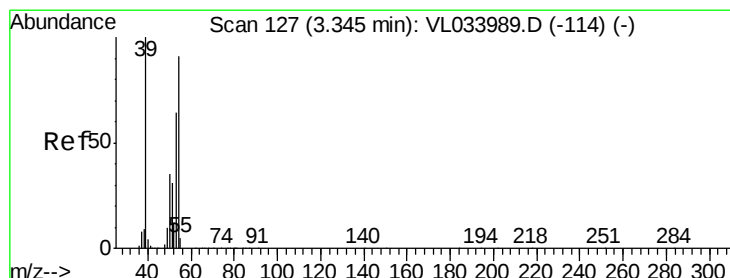
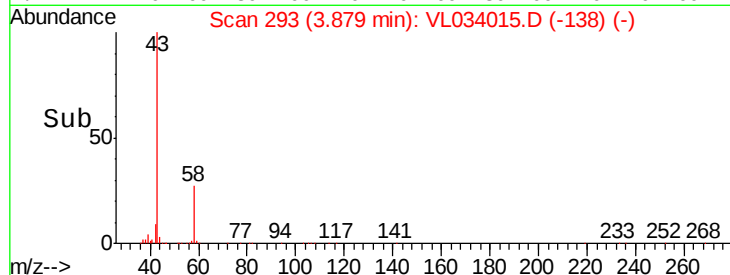
0

3.85

3.88

3.90

Time-->



#16

1,3-Butadiene

Concen: 10.274 ppbv

RT: 3.34 min Scan# 126

Delta R.T. -0.00 min

Lab File: VL034015.D

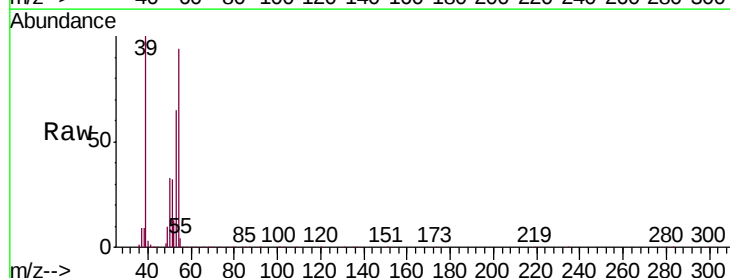
Acq: 8 Jul 2019 17:19

Tgt Ion: 39 Resp: 675362

Ion Ratio Lower Upper

39 100

54 88.4 71.4 107.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

600000

500000

400000

300000

200000

100000

0

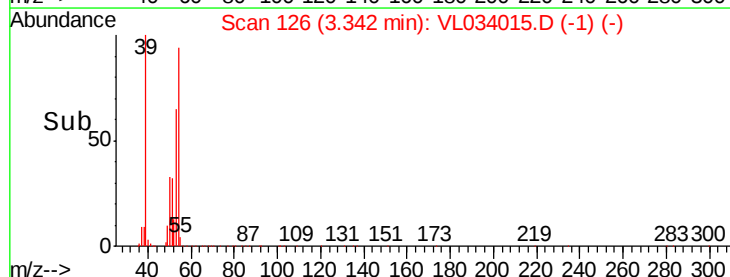
3.25

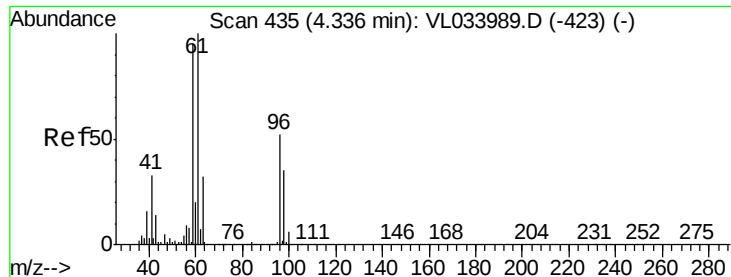
3.30

3.34

3.40

Time-->



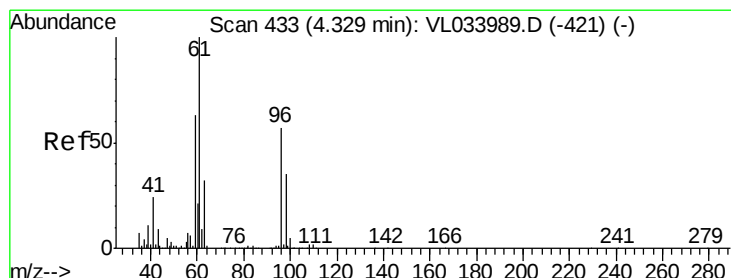
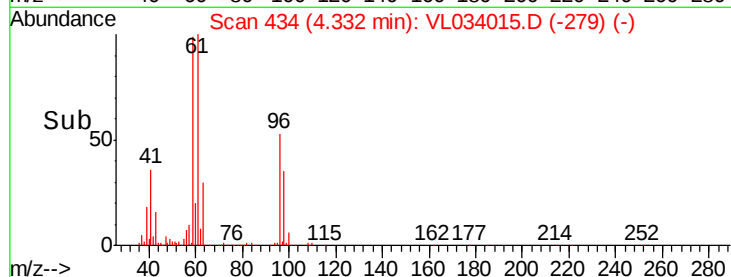
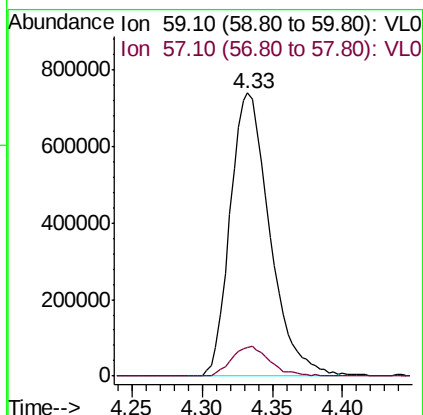
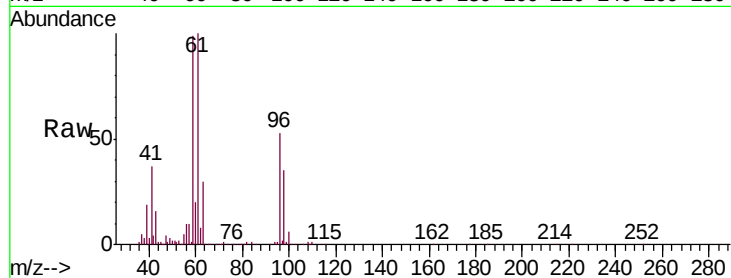


#17

tert-Butyl alcohol
Concen: 9.789 ppbv
RT: 4.33 min Scan# 434
Delta R.T. -0.00 min
Lab File: VL034015.D
Acq: 8 Jul 2019 17:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

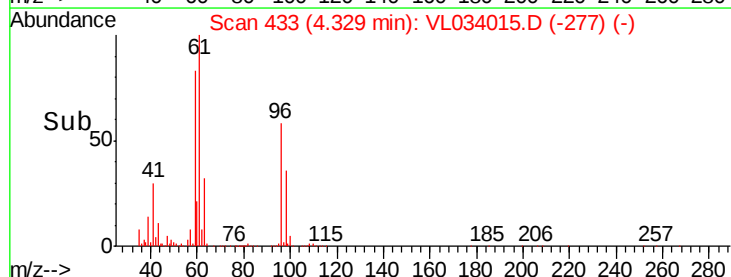
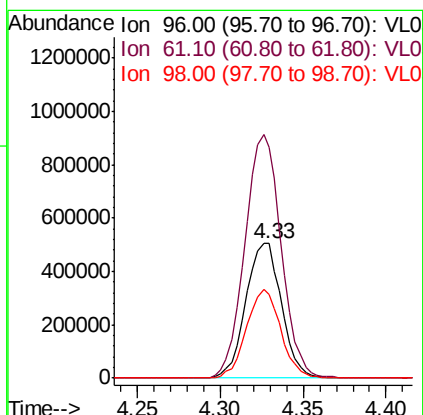
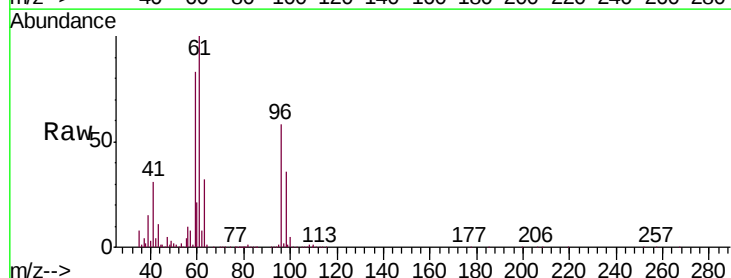
Tgt Ion: 59 Resp: 1452868
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2

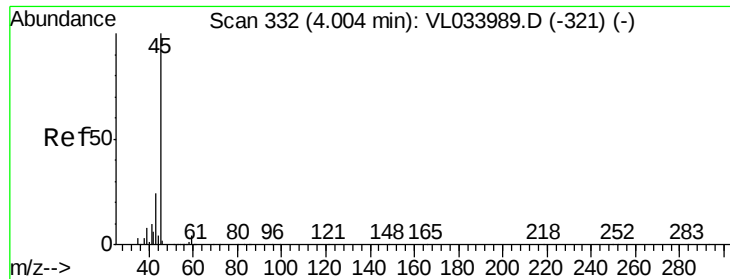


#18

1,1-Dichloroethene
Concen: 9.366 ppbv
RT: 4.33 min Scan# 433
Delta R.T. 0.00 min
Lab File: VL034015.D
Acq: 8 Jul 2019 17:19

Tgt Ion: 96 Resp: 758661
Ion Ratio Lower Upper
96 100
61 172.1 139.4 209.0
98 61.8 49.4 74.0



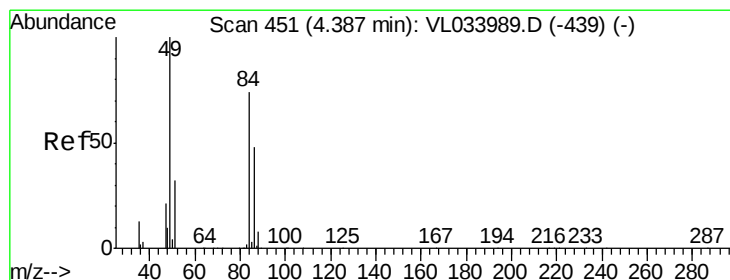
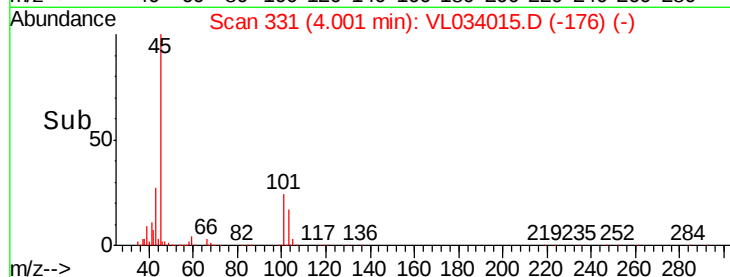
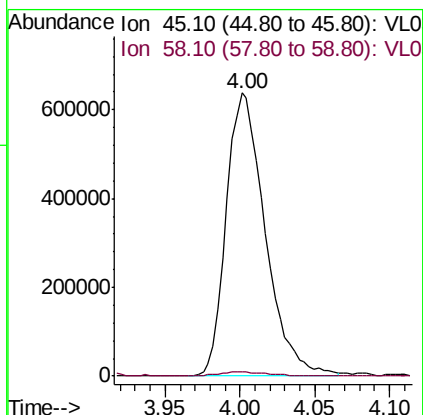
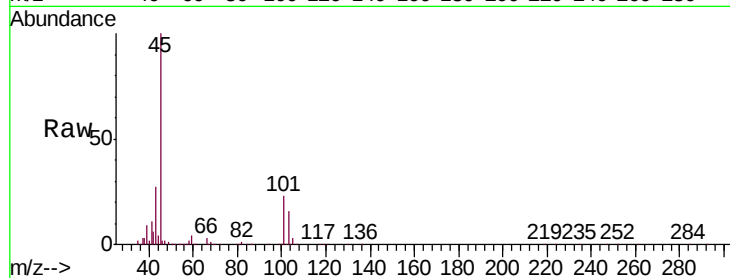


#19

Isopropyl Alcohol
 Concen: 9.252 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VL034015.D
 Acq: 8 Jul 2019 17:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

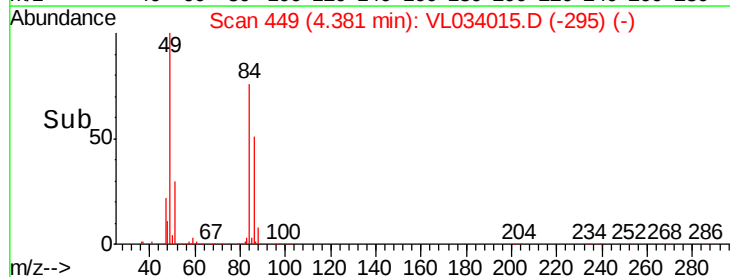
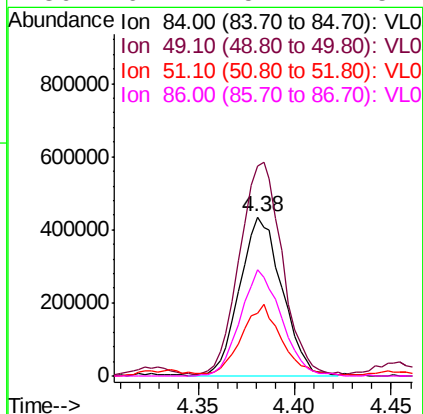
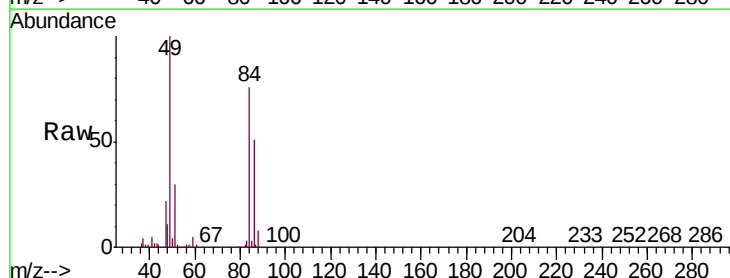
Tgt Ion: 45 Resp: 1156111
 Ion Ratio Lower Upper
 45 100
 58 2.3 1.7 2.5

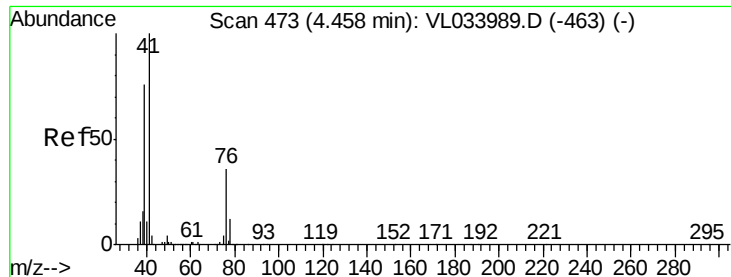


#20

Methylene Chloride
 Concen: 8.151 ppbv
 RT: 4.38 min Scan# 449
 Delta R.T. -0.01 min
 Lab File: VL034015.D
 Acq: 8 Jul 2019 17:19

Tgt Ion: 84 Resp: 661773
 Ion Ratio Lower Upper
 84 100
 49 130.8 107.6 161.4
 51 39.1 35.0 52.6
 86 67.2 52.1 78.1





#21

Allyl Chloride

Concen: 9.573 ppbv

RT: 4.45 min Scan# 471

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

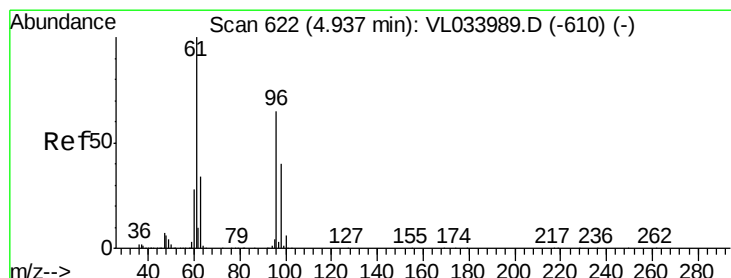
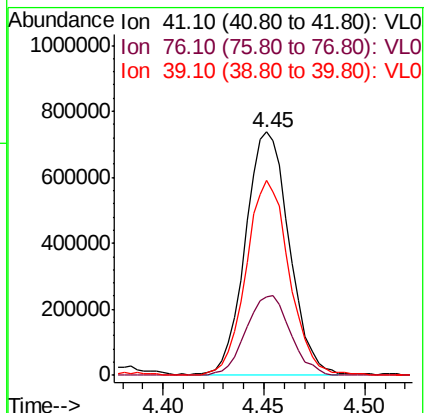
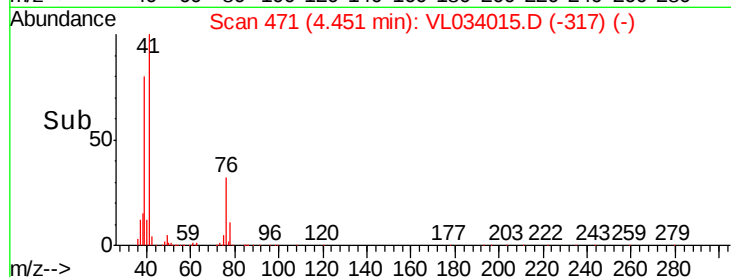
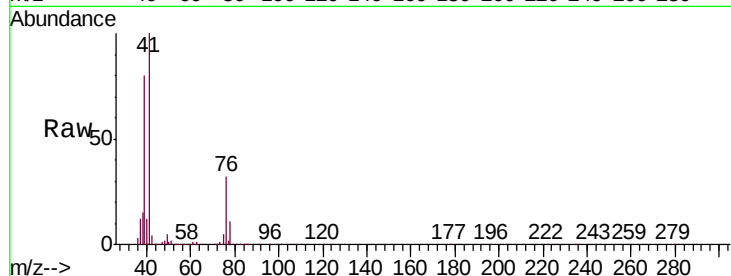
Tgt Ion: 41 Resp: 1111115

Ion Ratio Lower Upper

41 100

76 33.7 26.8 40.2

39 79.7 63.1 94.7



#22

trans-1,2-Dichloroethene

Concen: 10.448 ppbv

RT: 4.93 min Scan# 621

Delta R.T. -0.00 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

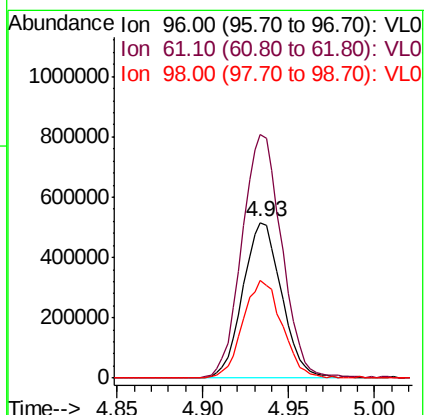
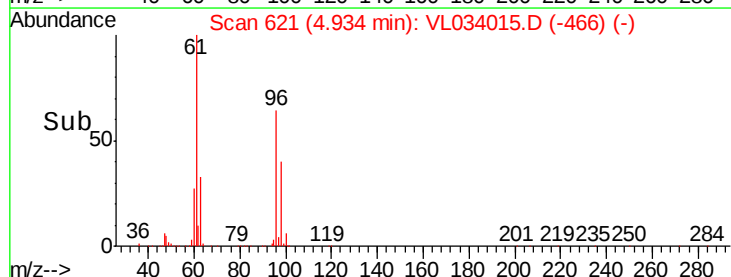
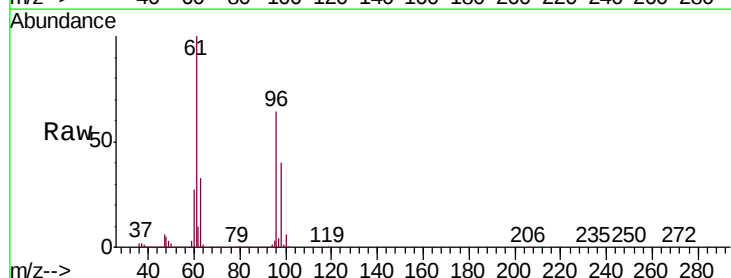
Tgt Ion: 96 Resp: 806381

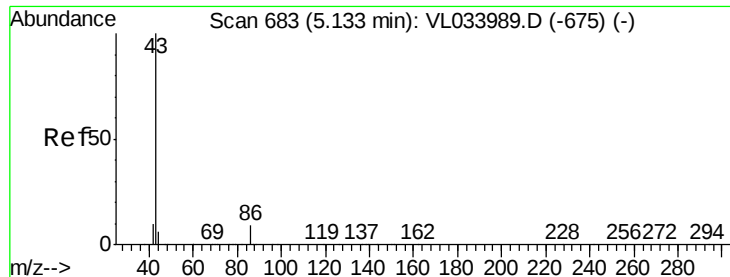
Ion Ratio Lower Upper

96 100

61 156.6 122.9 184.3

98 63.0 49.6 74.4





#23

Vinyl Acetate

Concen: 10.887 ppbv

RT: 5.13 min Scan# 681

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2022849

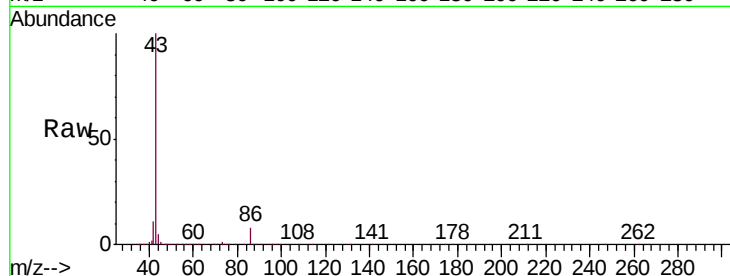
Ion Ratio Lower Upper

43 100

86 8.2 6.6 9.8

42 10.5 8.3 12.5

44 5.3 4.3 6.5

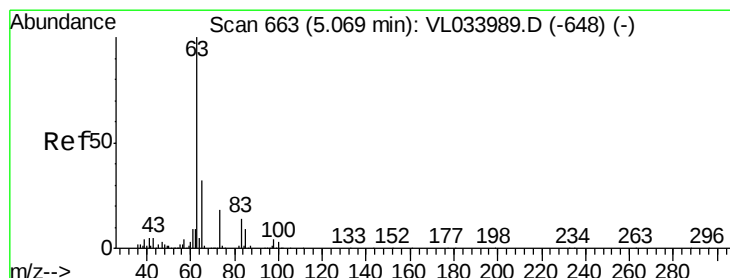
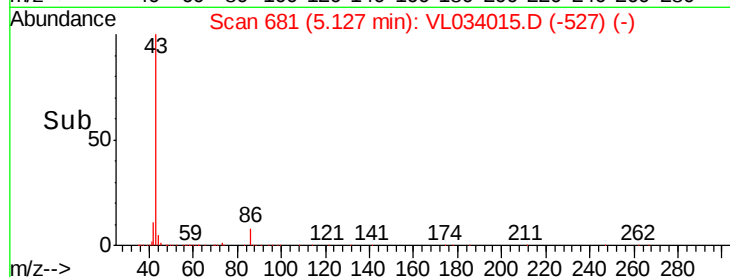
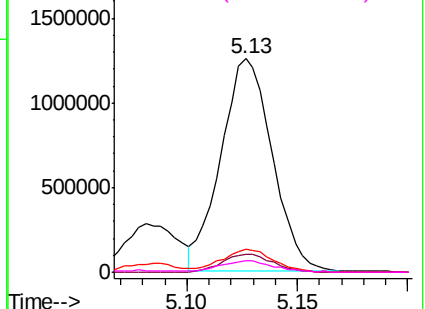


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.194 ppbv

RT: 5.07 min Scan# 662

Delta R.T. -0.00 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

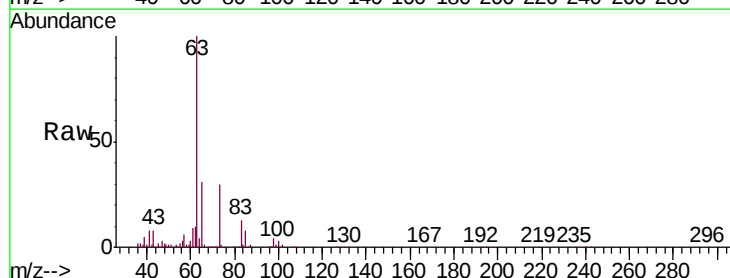
Tgt Ion: 63 Resp: 1678619

Ion Ratio Lower Upper

63 100

98 4.4 2.2 6.6

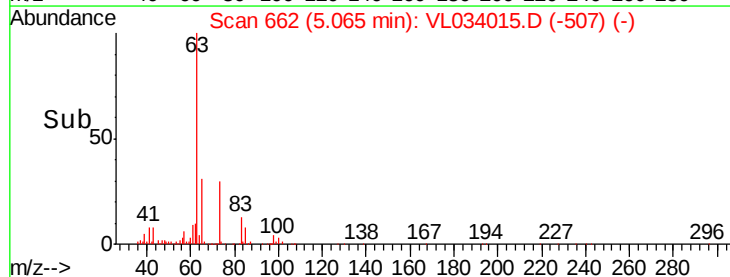
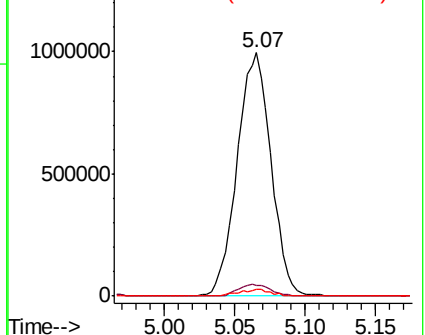
100 2.7 1.4 4.2

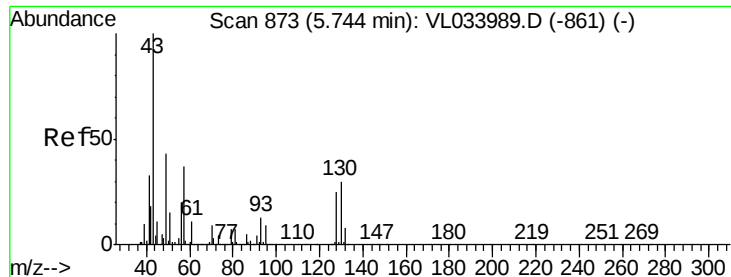


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



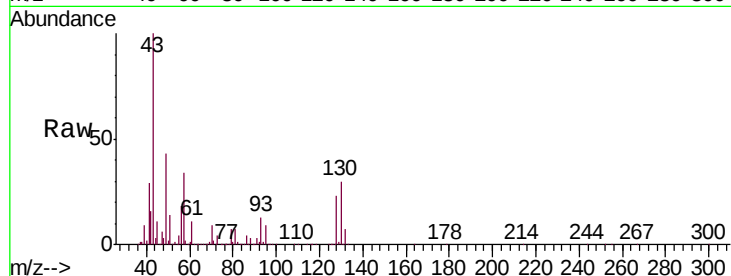


#25
Ethyl Acetate
Concen: 10.501 ppbv
RT: 5.74 min Scan# 871
Delta R.T. -0.01 min
Lab File: VL034015.D
Acq: 8 Jul 2019 17:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2673792

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	10.1	8.1	12.1
70	8.3	6.3	9.5



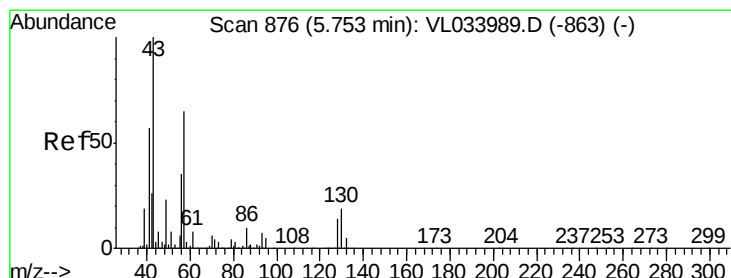
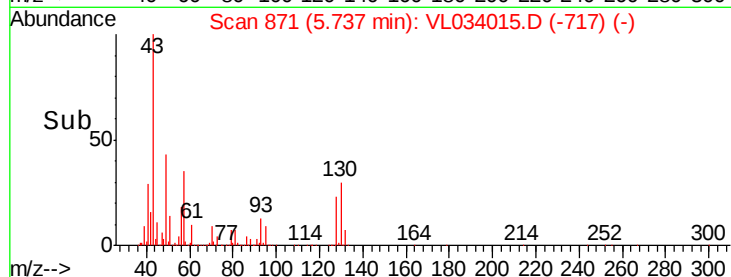
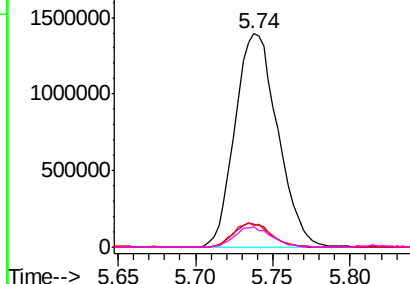
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

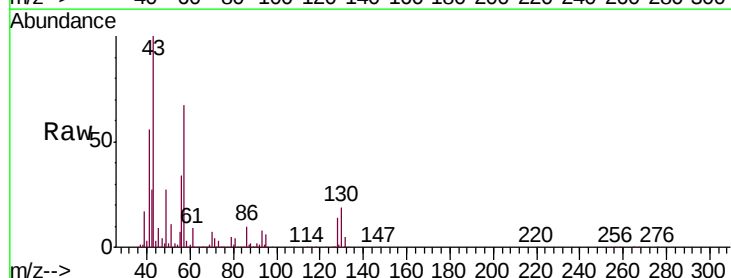
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.537 ppbv
RT: 5.75 min Scan# 874
Delta R.T. -0.01 min
Lab File: VL034015.D
Acq: 8 Jul 2019 17:19

Tgt Ion: 57 Resp: 1227729

Ion	Ratio	Lower	Upper
57	100		
41	87.7	70.6	105.8
43	219.0	177.6	266.4
56	52.1	42.6	64.0



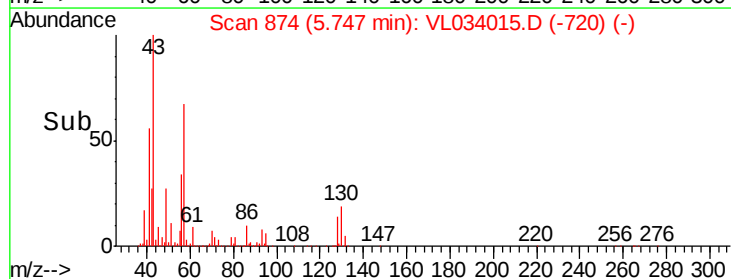
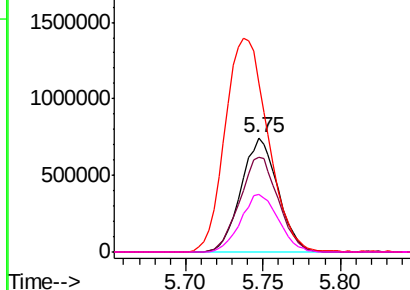
Abundance

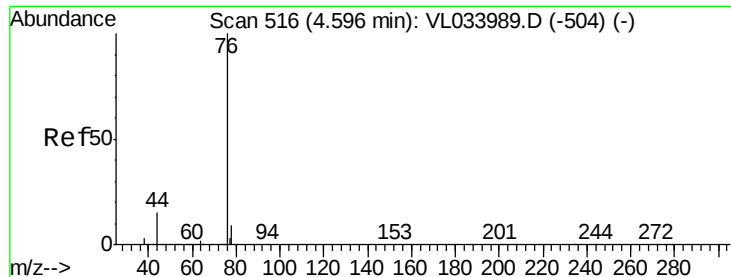
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.036 ppbv

RT: 4.59 min Scan# 515

Delta R.T. -0.00 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

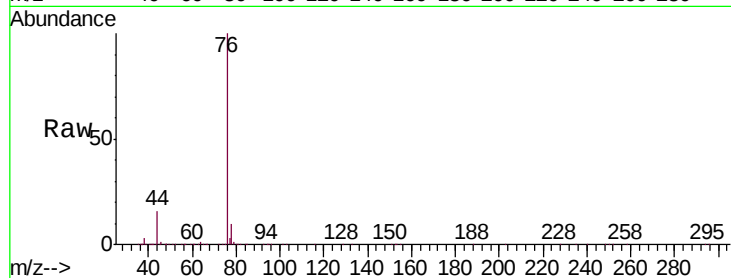
Tgt Ion: 76 Resp: 1988026

Ion Ratio Lower Upper

76 100

44 15.7 12.6 18.8

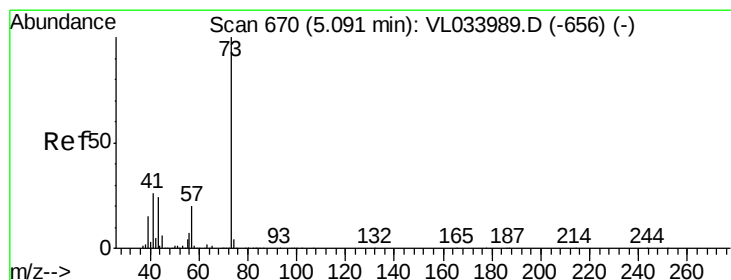
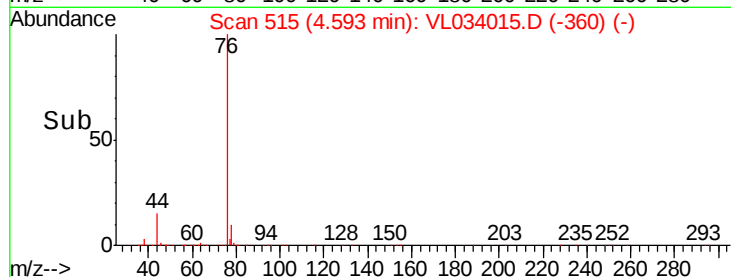
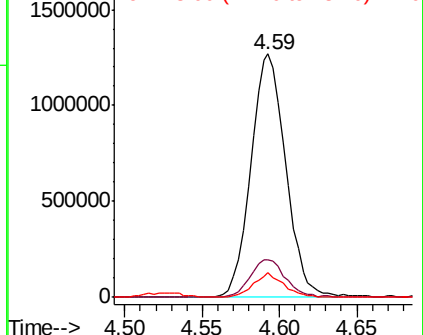
78 8.9 7.2 10.8



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: 10.658 ppbv

RT: 5.08 min Scan# 667

Delta R.T. -0.01 min

Lab File: VL034015.D

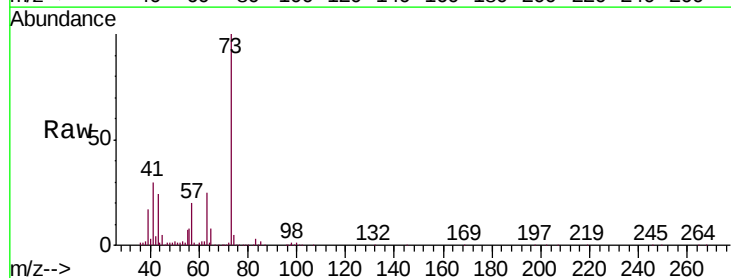
Acq: 8 Jul 2019 17:19

Tgt Ion: 73 Resp: 2103129

Ion Ratio Lower Upper

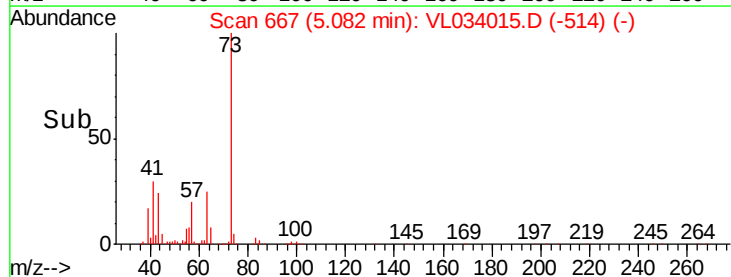
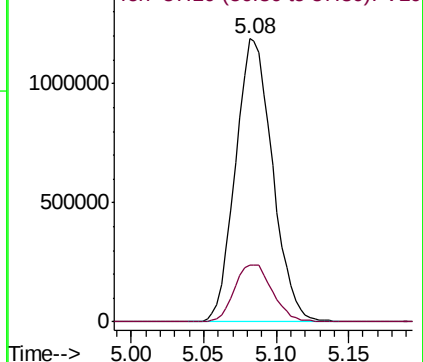
73 100

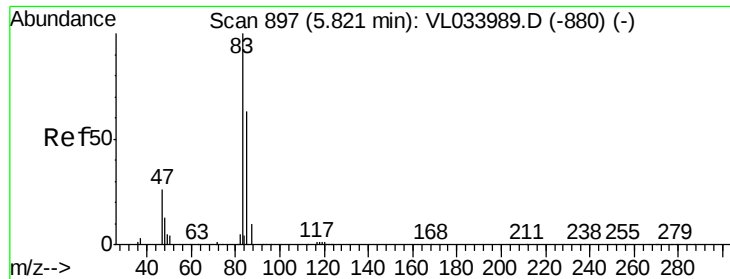
57 21.1 16.9 25.3



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.760 ppbv

RT: 5.82 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

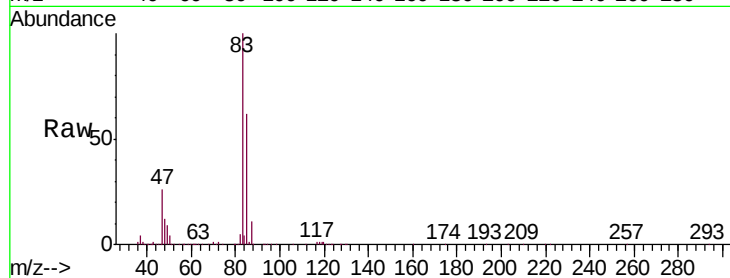
VSTDCCC010EC

Tgt Ion: 83 Resp: 2137111

Ion Ratio Lower Upper

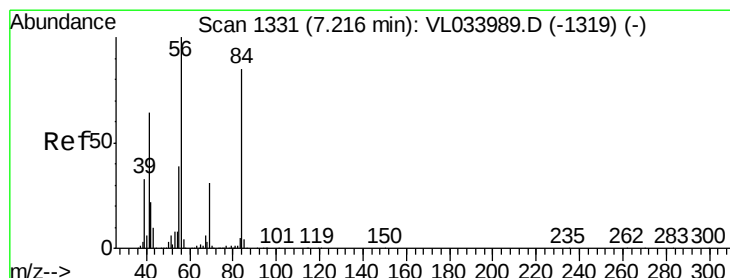
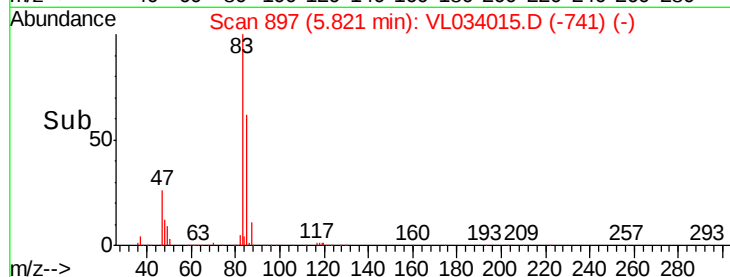
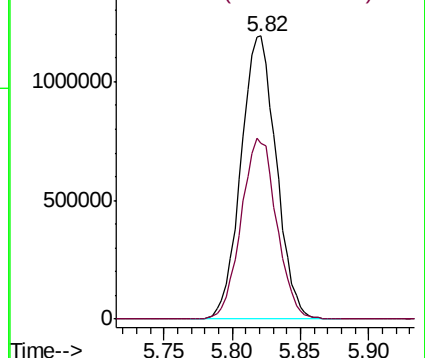
83 100

85 62.2 50.6 75.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 11.418 ppbv

RT: 7.21 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

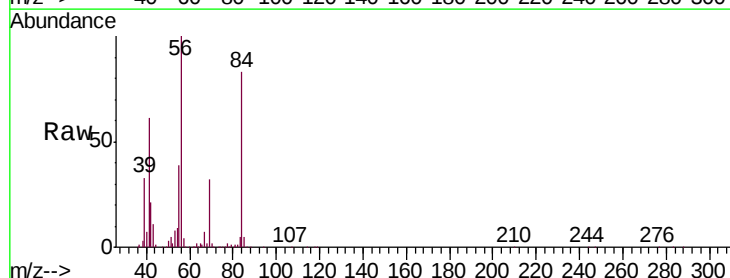
Tgt Ion: 84 Resp: 1027469

Ion Ratio Lower Upper

84 100

56 125.3 103.7 155.5

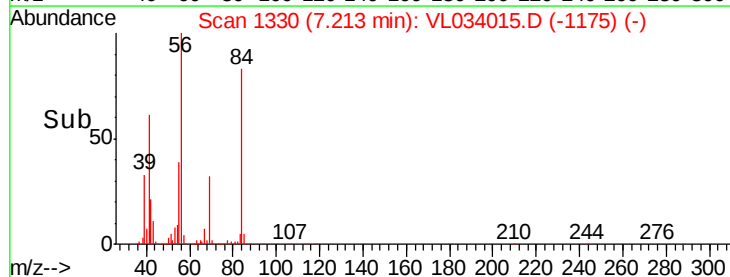
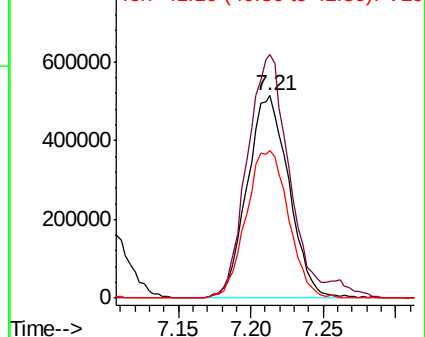
41 74.5 62.6 94.0

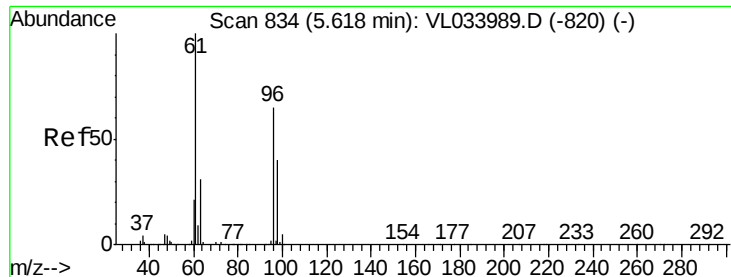


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



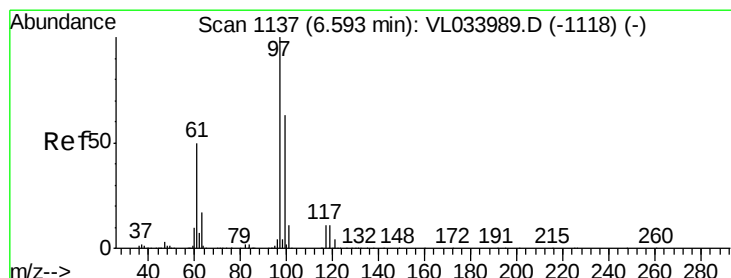
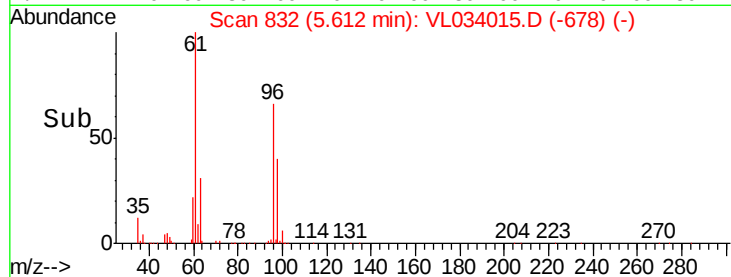
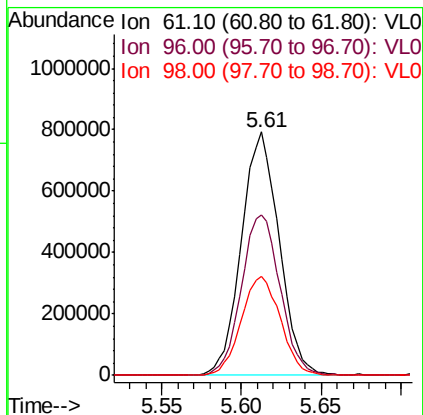
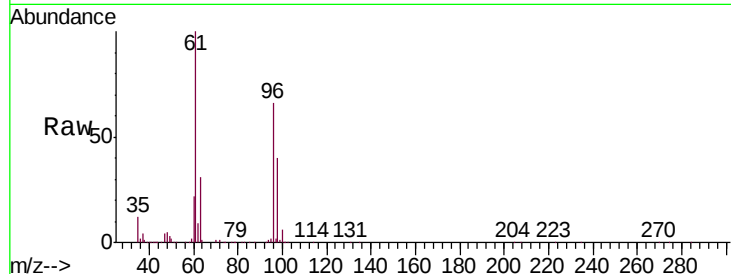


#31

cis-1,2-Dichloroethene
 Concen: 11.318 ppbv
 RT: 5.61 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: VL034015.D
 Acq: 8 Jul 2019 17:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

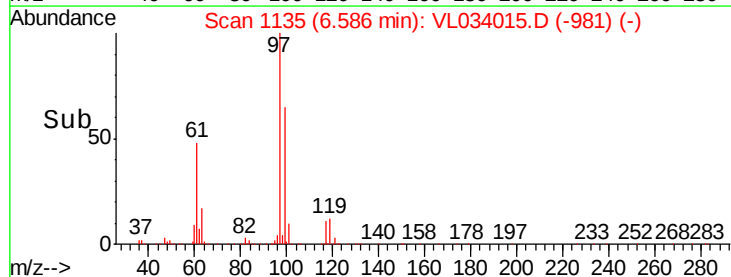
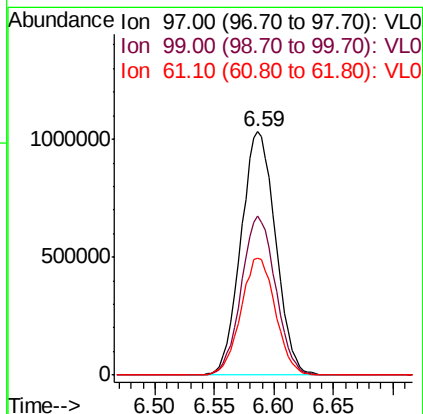
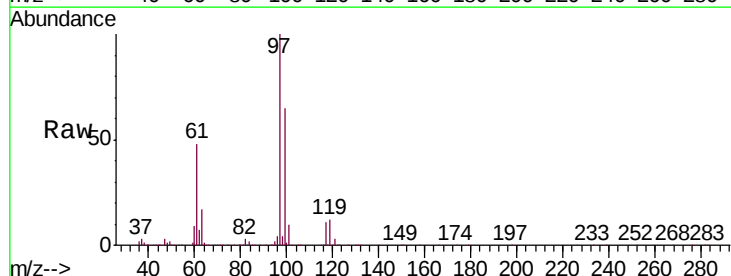
Tgt Ion: 61 Resp: 1274133
 Ion Ratio Lower Upper
 61 100
 96 65.7 51.8 77.6
 98 40.4 32.1 48.1

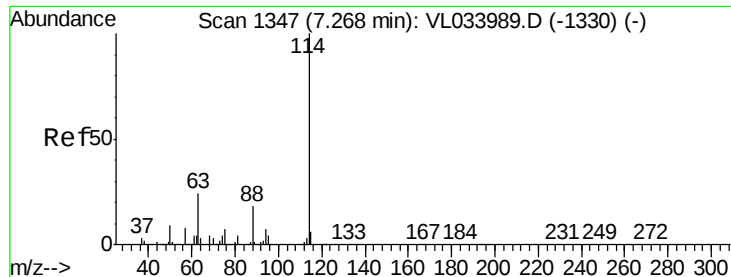


#32

1,1,1-Trichloroethane
 Concen: 9.380 ppbv
 RT: 6.59 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VL034015.D
 Acq: 8 Jul 2019 17:19

Tgt Ion: 97 Resp: 2081812
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.9 77.9
 61 47.9 39.8 59.8

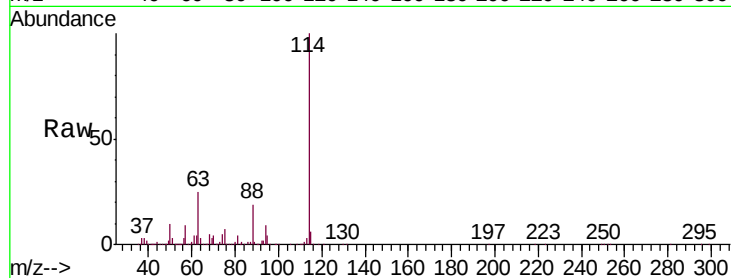




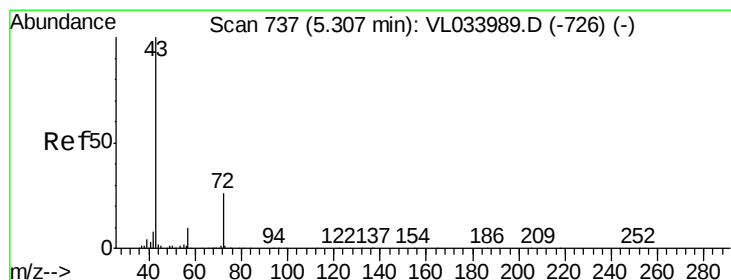
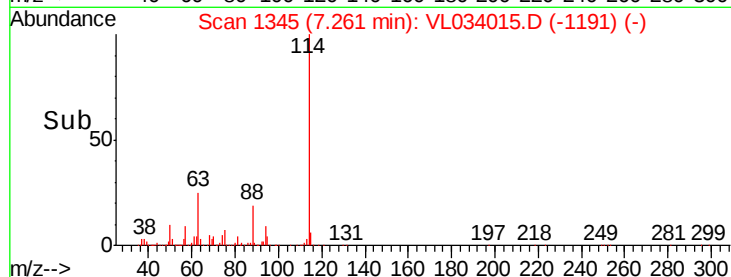
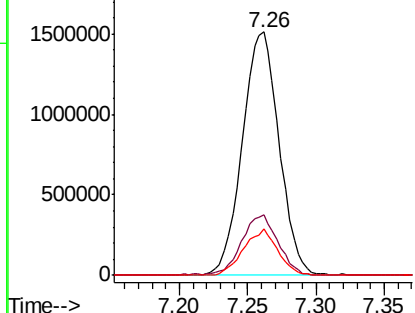
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.26 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VL034015.D
 Acq: 8 Jul 2019 17:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 114 Resp: 2821812
 Ion Ratio Lower Upper
 114 100
 63 25.1 20.2 30.2
 88 17.7 14.1 21.1

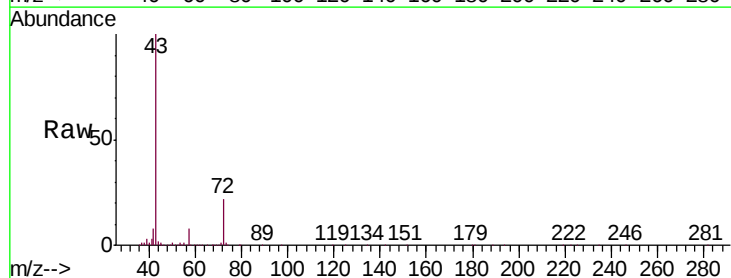


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

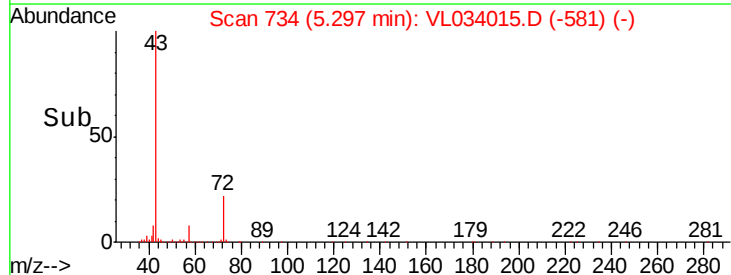
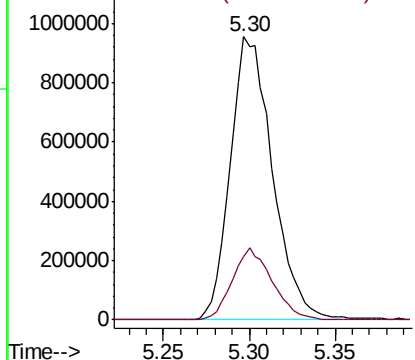


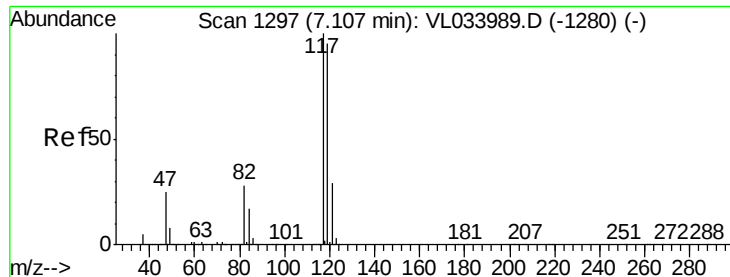
#34
 2-Butanone
 Concen: 10.828 ppbv
 RT: 5.30 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: VL034015.D
 Acq: 8 Jul 2019 17:19

Tgt Ion: 43 Resp: 1617126
 Ion Ratio Lower Upper
 43 100
 72 24.3 19.9 29.9



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





#35

Carbon Tetrachloride

Concen: 9.987 ppbv

RT: 7.10 min Scan# 1295

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

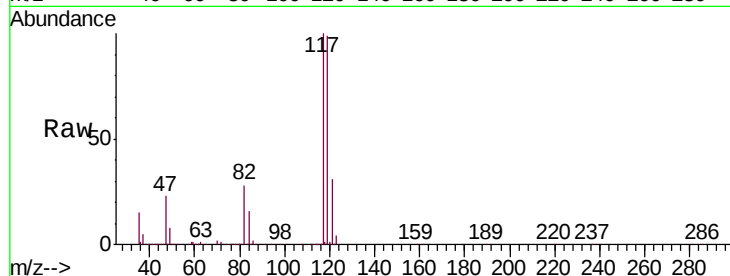
Tgt Ion: 117 Resp: 2230970

Ion Ratio Lower Upper

117 100

119 98.7 75.8 113.6

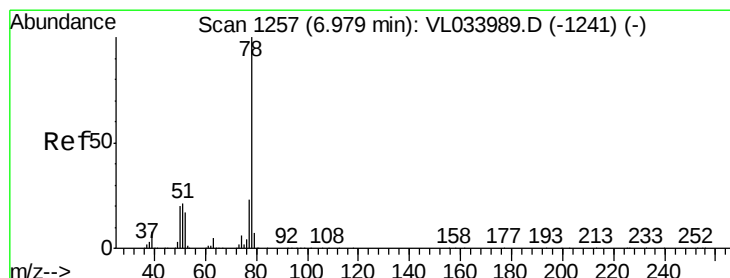
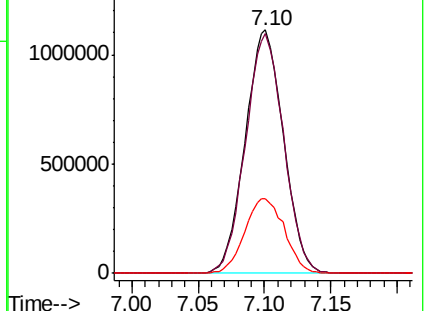
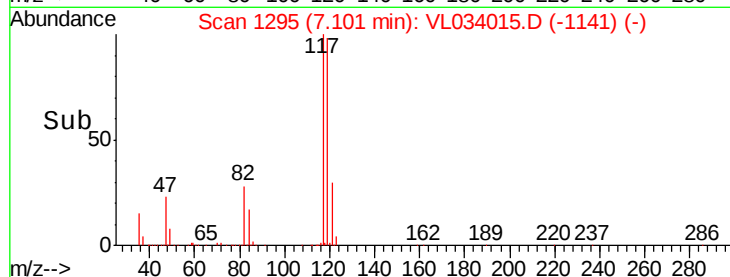
121 30.5 23.4 35.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 11.271 ppbv

RT: 6.97 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

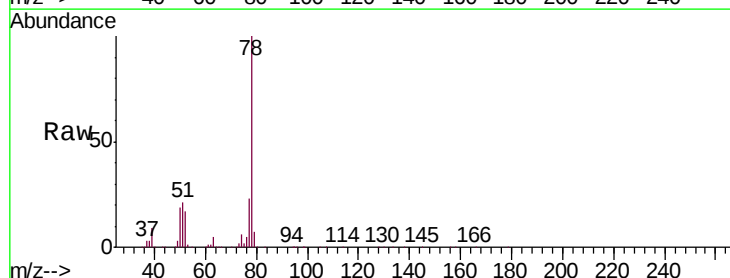
Tgt Ion: 78 Resp: 2488556

Ion Ratio Lower Upper

78 100

77 23.5 18.7 28.1

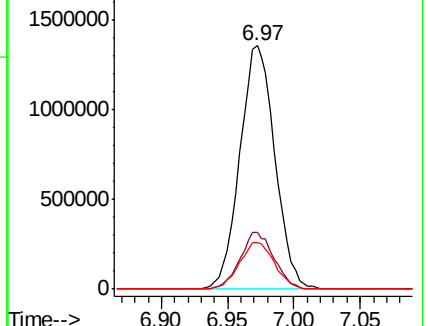
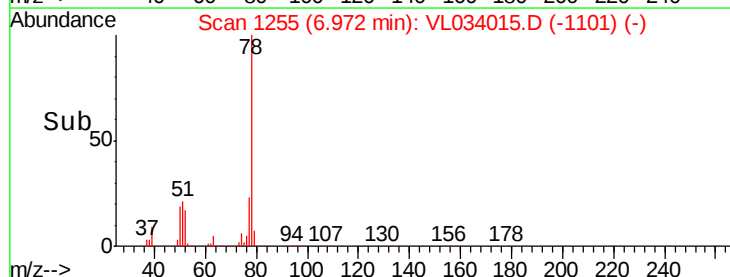
50 19.2 16.2 24.2

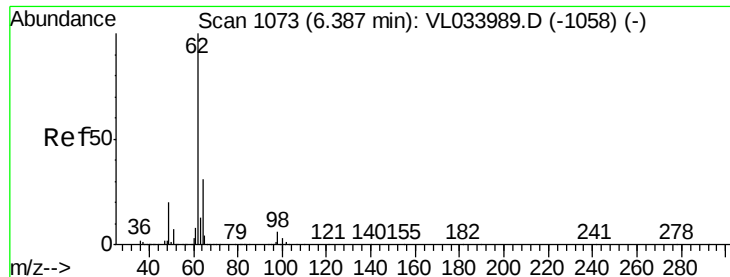


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.158 ppbv

RT: 6.38 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

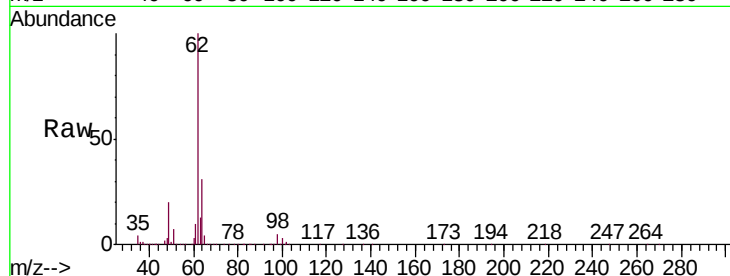
VSTDCCC010EC

Tgt Ion: 62 Resp: 1652298

Ion Ratio Lower Upper

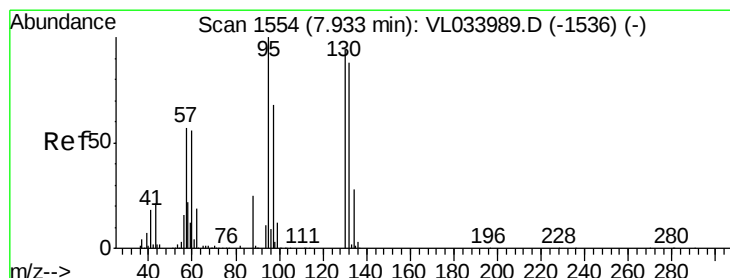
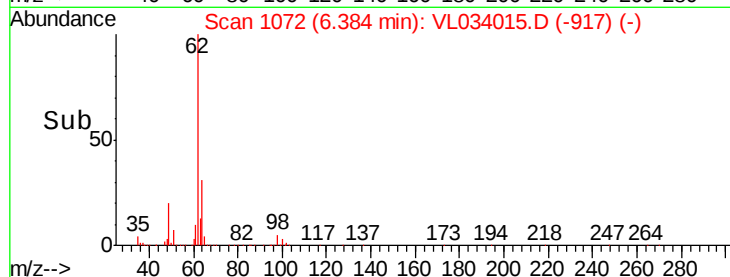
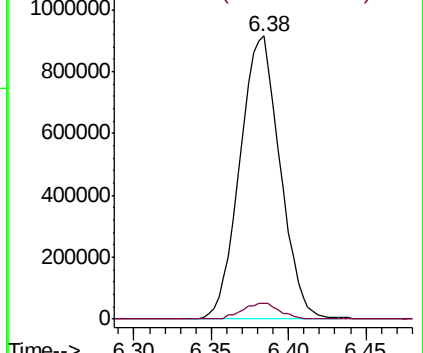
62 100

98 5.4 4.4 6.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 11.183 ppbv

RT: 7.93 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Tgt Ion: 130 Resp: 1098615

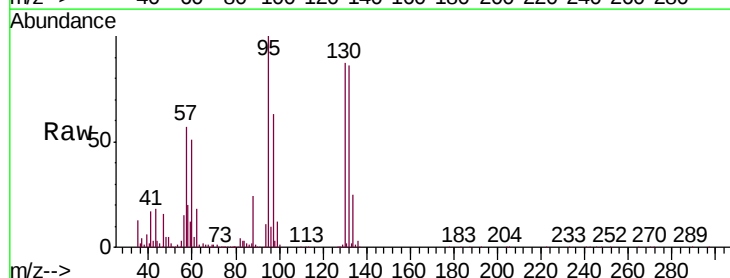
Ion Ratio Lower Upper

130 100

95 114.8 85.5 128.3

132 98.3 75.1 112.7

97 72.1 58.1 87.1

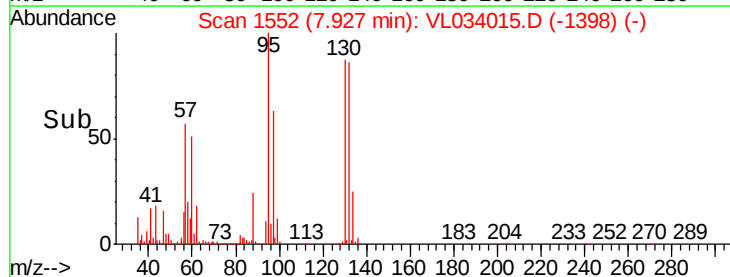
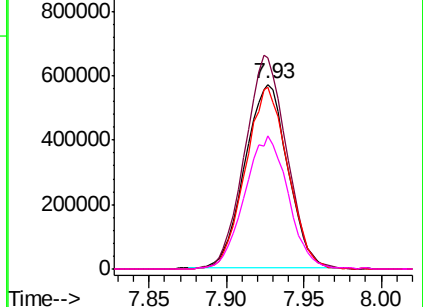


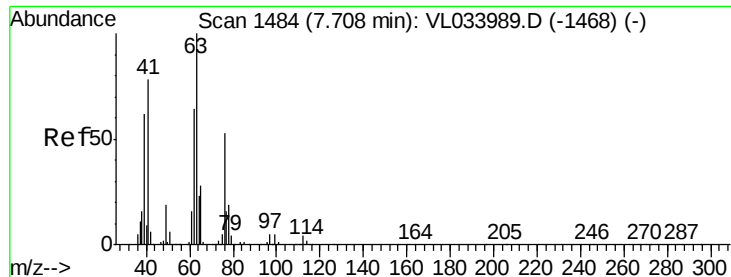
Abundance Ion 130.00 (129.70 to 130.70): V

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

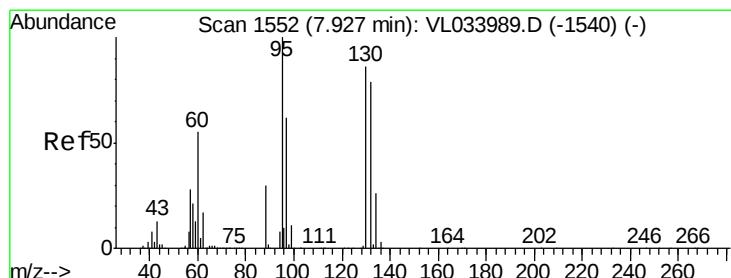
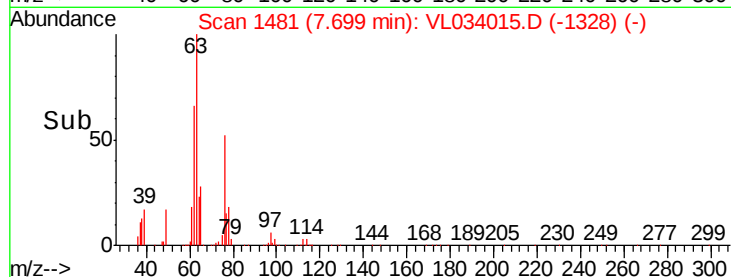
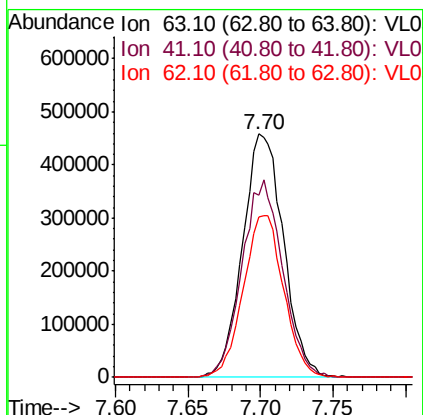
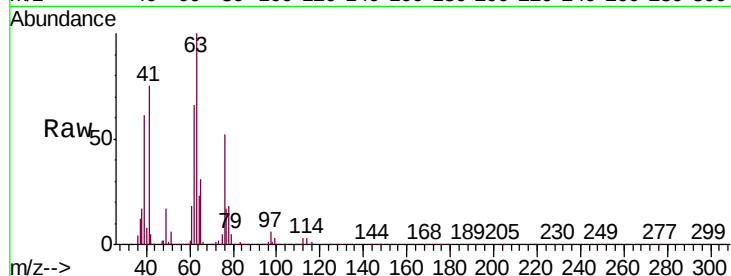




#39
 1,2-Dichloropropane
 Concen: 10.912 ppbv
 RT: 7.70 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VL034015.D
 Acq: 8 Jul 2019 17:19

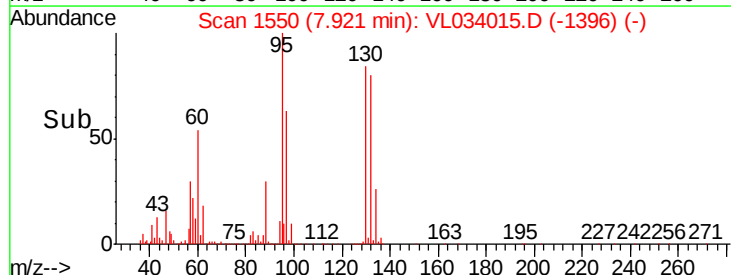
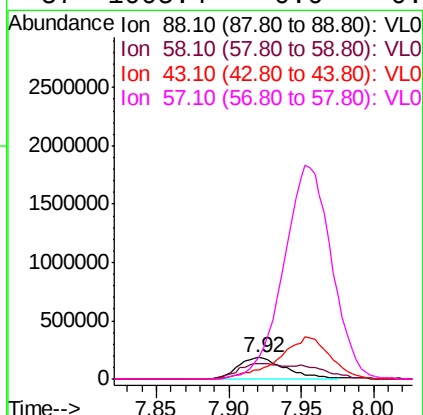
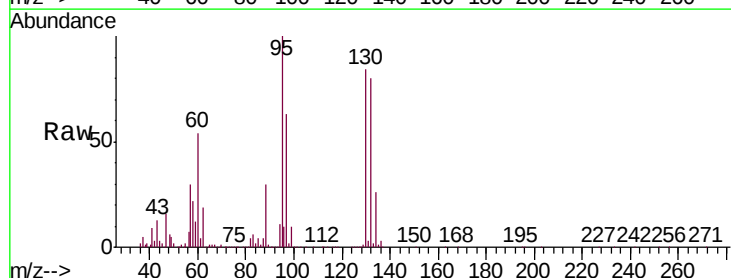
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

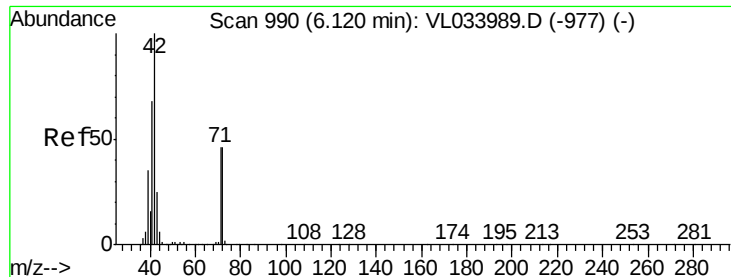
Tgt Ion: 63 Resp: 895950
 Ion Ratio Lower Upper
 63 100
 41 75.0 62.3 93.5
 62 65.7 51.4 77.2



#40
 1,4-Dioxane
 Concen: 11.061 ppbv
 RT: 7.92 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: VL034015.D
 Acq: 8 Jul 2019 17:19

Tgt Ion: 88 Resp: 419288
 Ion Ratio Lower Upper
 88 100
 58 118.8 99.1 148.7
 43 215.8 0.0 0.0#
 57 1005.4 0.0 0.0#





#41

Tetrahydrofuran

Concen: 11.366 ppbv

RT: 6.12 min Scan# 989

Delta R.T. -0.00 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

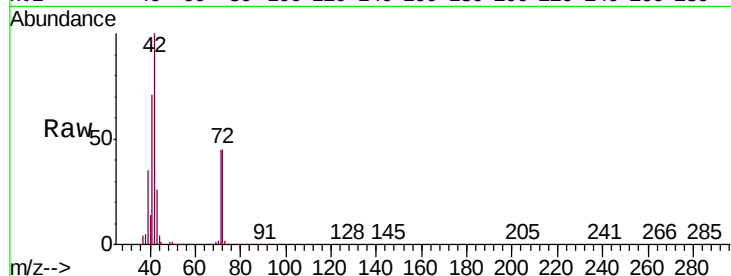
Tgt Ion: 42 Resp: 832417

Ion Ratio Lower Upper

42 100

72 48.5 37.3 55.9

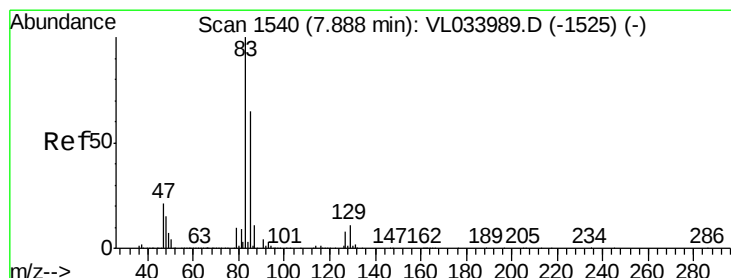
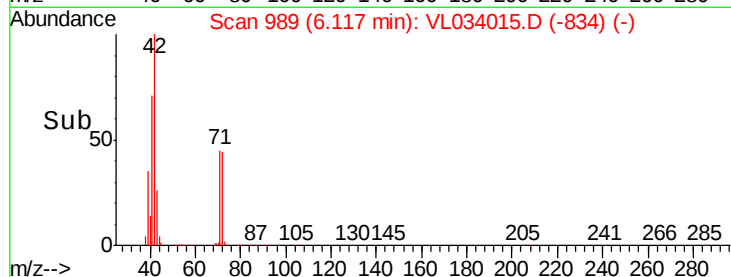
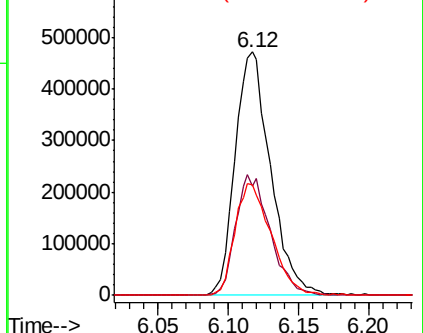
71 47.1 36.2 54.2



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: 10.697 ppbv

RT: 7.88 min Scan# 1538

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

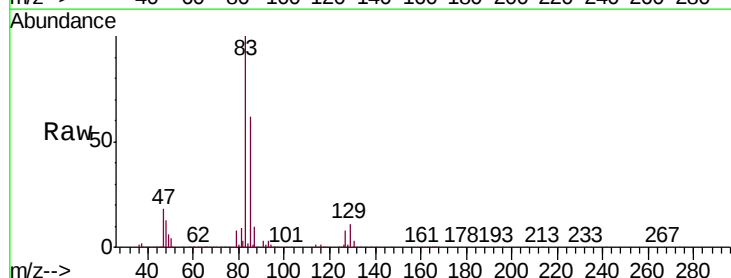
Tgt Ion: 83 Resp: 2334735

Ion Ratio Lower Upper

83 100

85 62.2 51.8 77.8

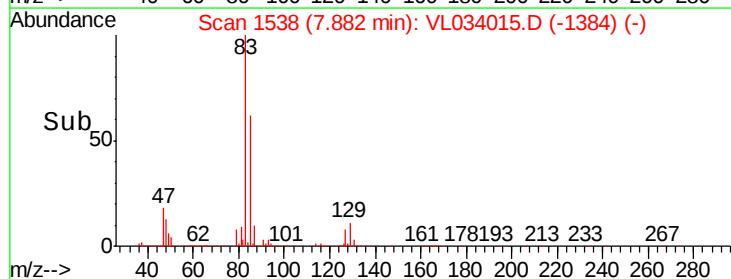
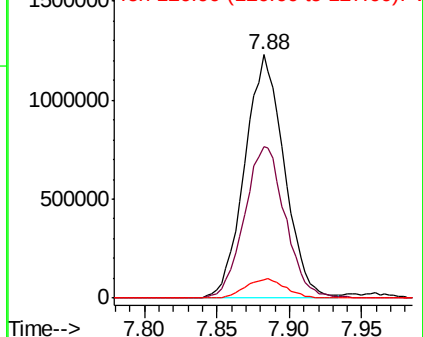
127 7.7 6.5 9.7

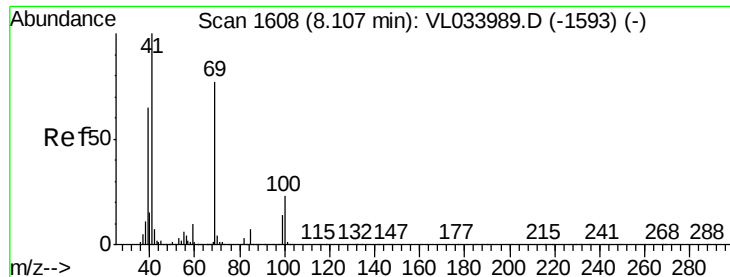


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 12.144 ppbv

RT: 8.10 min Scan# 1606

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

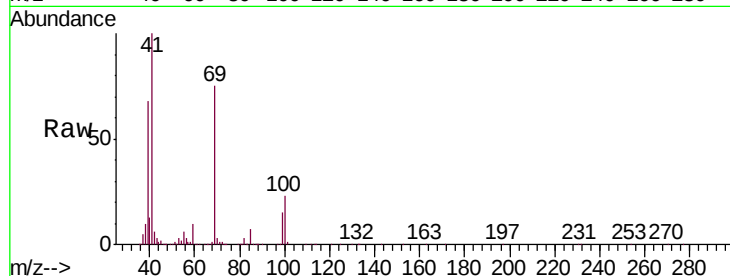
Tgt Ion: 69 Resp: 1017347

Ion Ratio Lower Upper

69 100

41 133.7 109.1 163.7

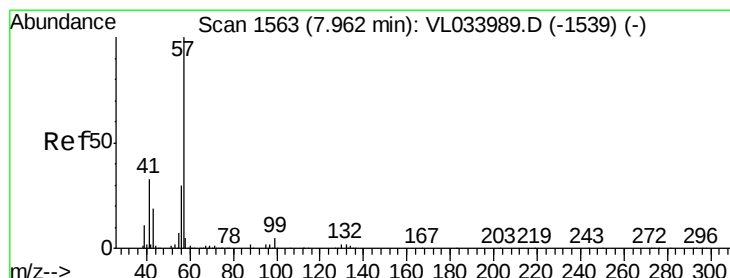
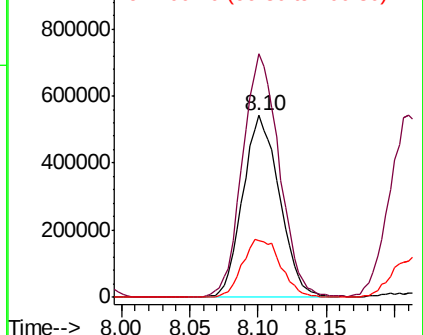
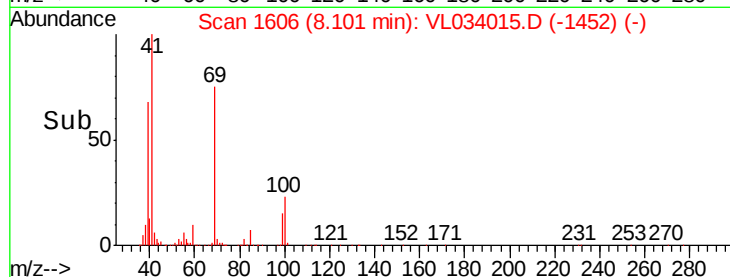
100 33.1 25.3 37.9



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 11.045 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

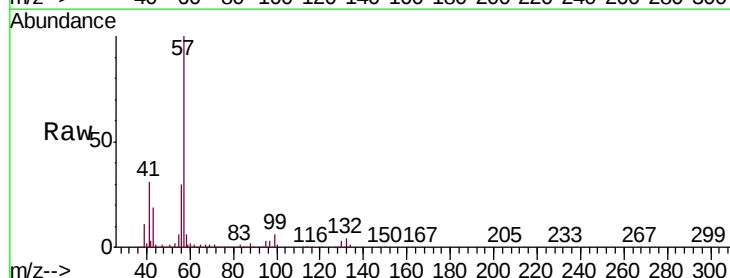
Tgt Ion: 57 Resp: 4209621

Ion Ratio Lower Upper

57 100

41 32.5 26.1 39.1

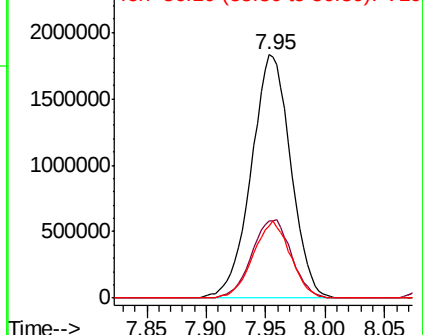
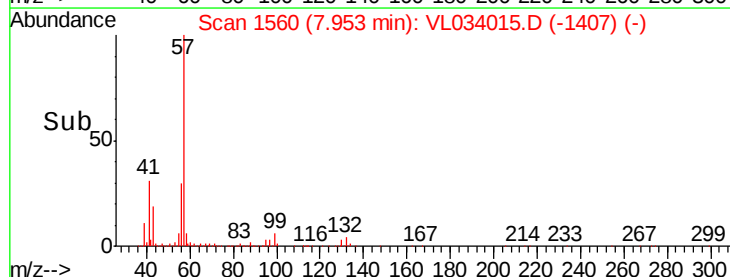
56 30.0 24.4 36.6

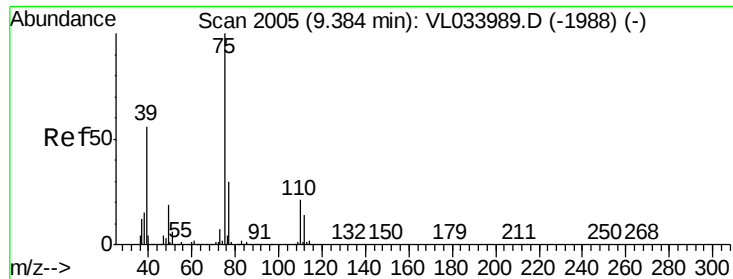


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

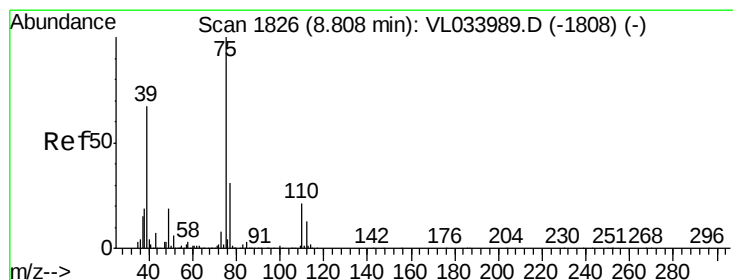
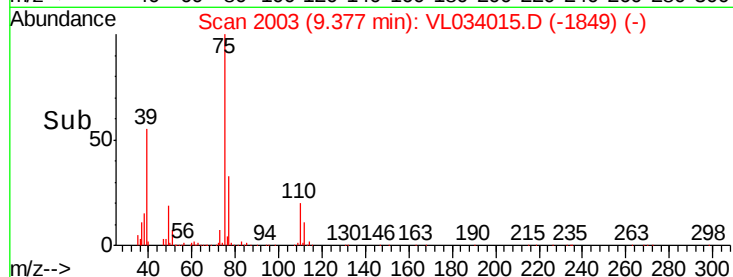
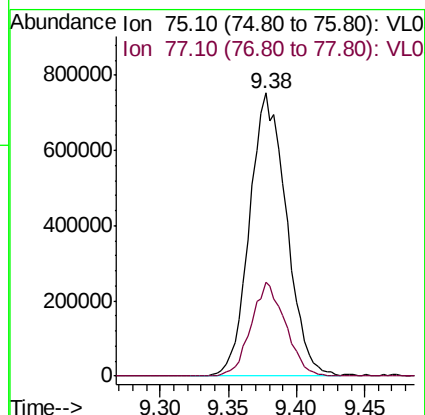
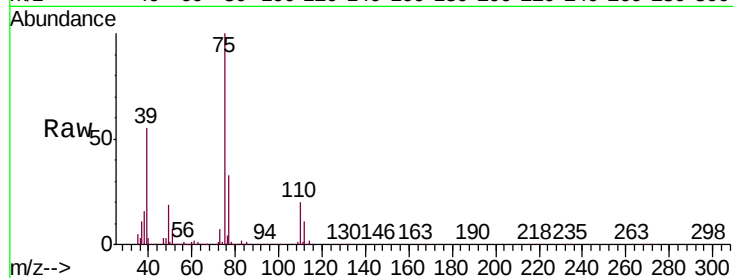




#45
 t-1,3-Dichloropropene
 Concen: 12.889 ppbv
 RT: 9.38 min Scan# 2003
 Delta R.T. -0.01 min
 Lab File: VL034015.D
 Acq: 8 Jul 2019 17:19

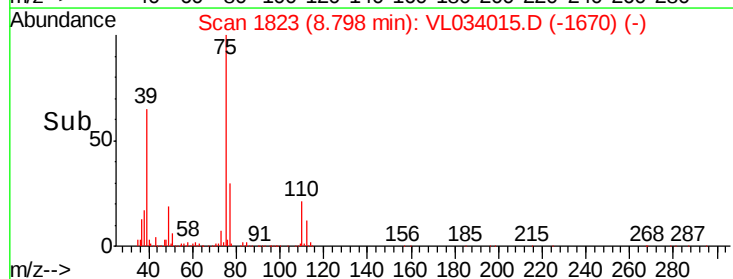
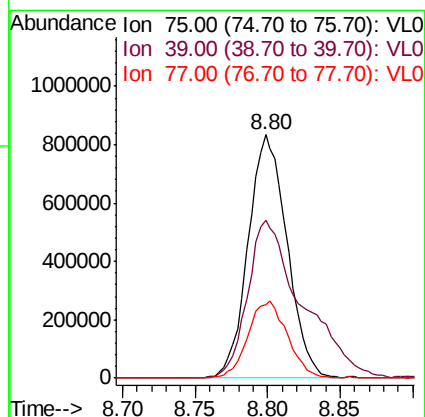
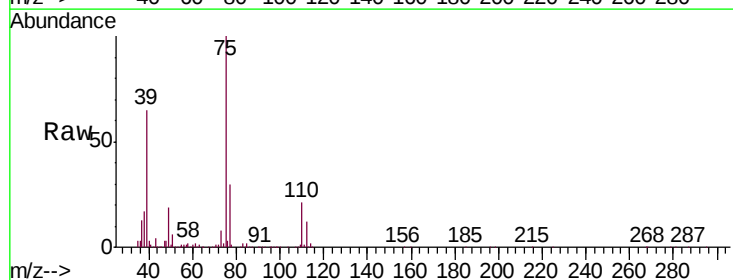
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

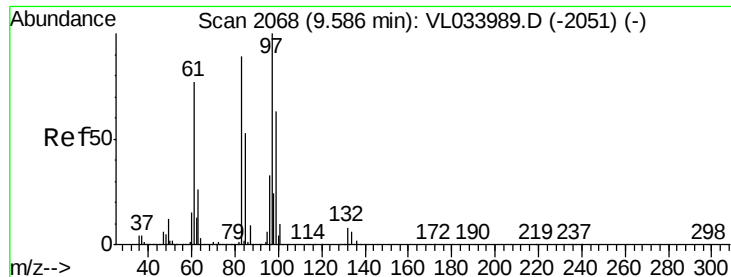
Tgt Ion: 75 Resp: 1411989
 Ion Ratio Lower Upper
 75 100
 77 33.3 24.3 36.5



#46
 cis-1,3-Dichloropropene
 Concen: 12.242 ppbv
 RT: 8.80 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: VL034015.D
 Acq: 8 Jul 2019 17:19

Tgt Ion: 75 Resp: 1553168
 Ion Ratio Lower Upper
 75 100
 39 64.9 53.8 80.6
 77 30.1 24.5 36.7

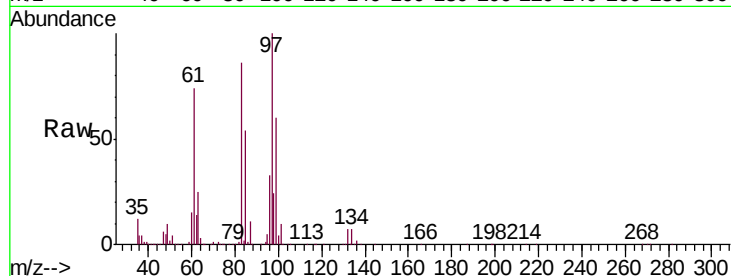




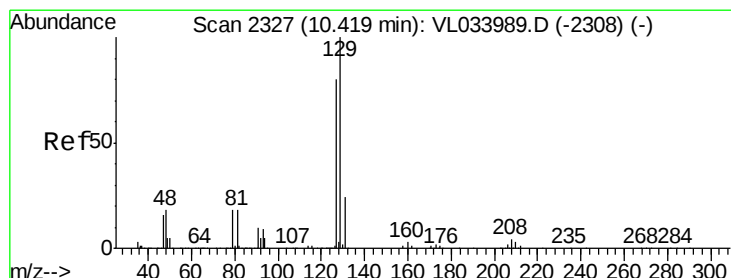
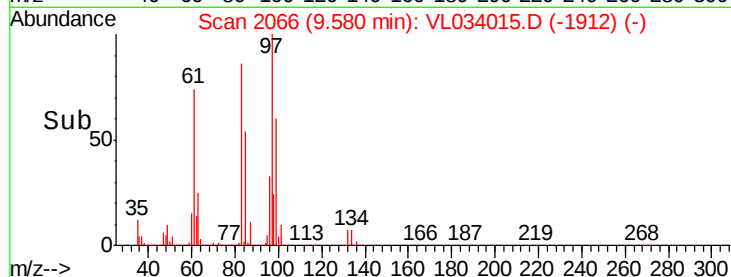
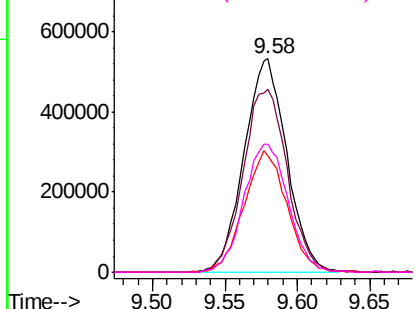
#47
 1,1,2-Trichloroethane
 Concen: 10.546 ppbv
 RT: 9.58 min Scan# 2066
 Delta R.T. -0.01 min
 Lab File: VL034015.D
 Acq: 8 Jul 2019 17:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 97 Resp: 1088615
 Ion Ratio Lower Upper
 97 100
 83 86.0 71.1 106.7
 85 54.4 42.6 64.0
 99 60.3 50.3 75.5

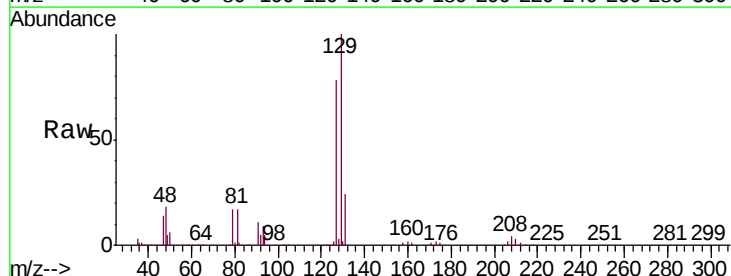


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

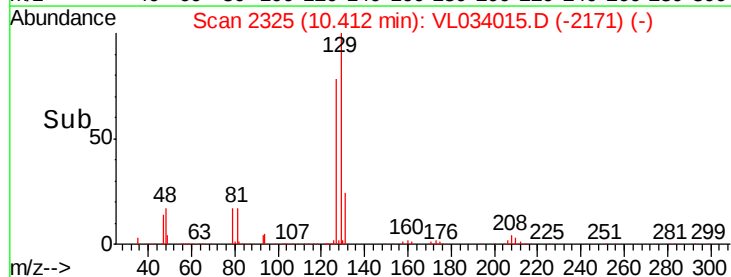
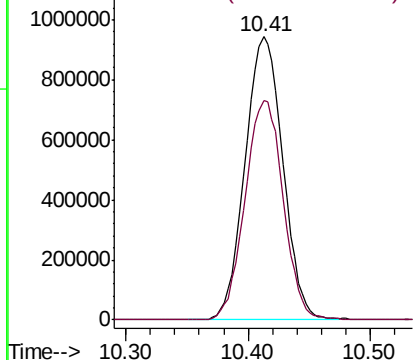


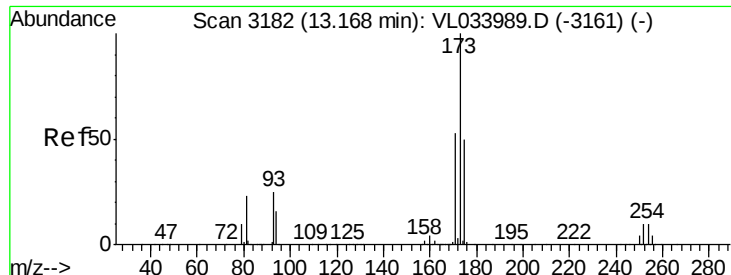
#48
 Dibromochloromethane
 Concen: 10.238 ppbv
 RT: 10.41 min Scan# 2325
 Delta R.T. -0.01 min
 Lab File: VL034015.D
 Acq: 8 Jul 2019 17:19

Tgt Ion: 129 Resp: 2016650
 Ion Ratio Lower Upper
 129 100
 127 78.5 39.1 117.3



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.140 ppbv

RT: 13.16 min Scan# 3180

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

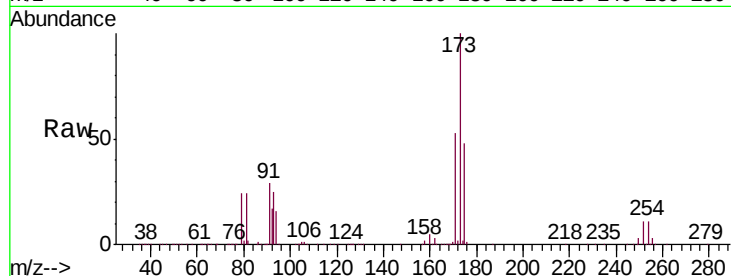
Tgt Ion:173 Resp: 1874616

Ion Ratio Lower Upper

173 100

175 49.9 39.3 58.9

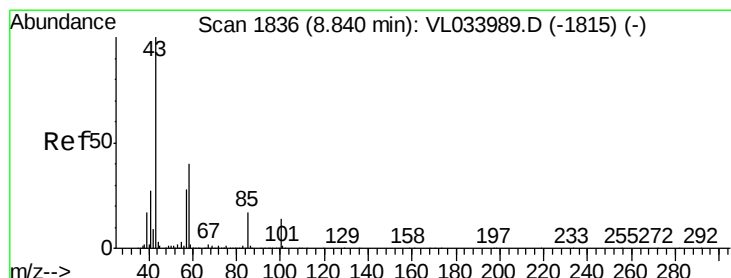
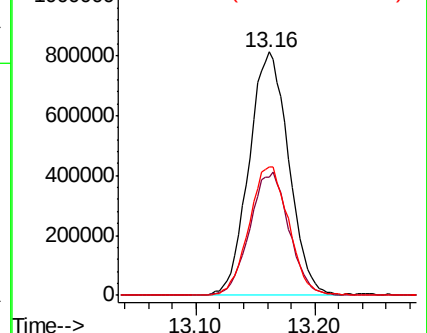
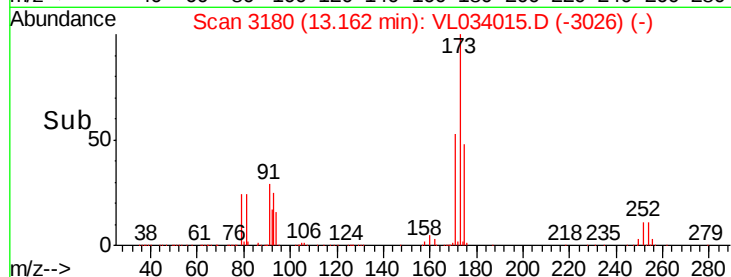
171 53.0 41.4 62.0



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: 10.948 ppbv

RT: 8.83 min Scan# 1834

Delta R.T. -0.01 min

Lab File: VL034015.D

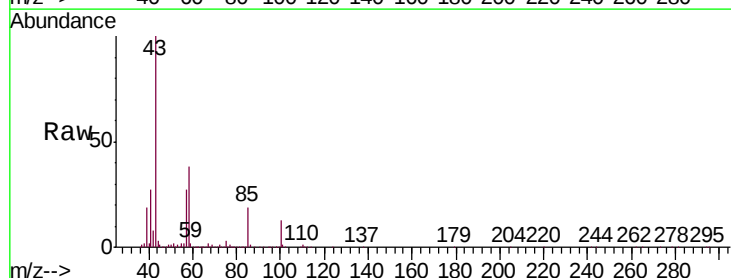
Acq: 8 Jul 2019 17:19

Tgt Ion: 43 Resp: 2426266

Ion Ratio Lower Upper

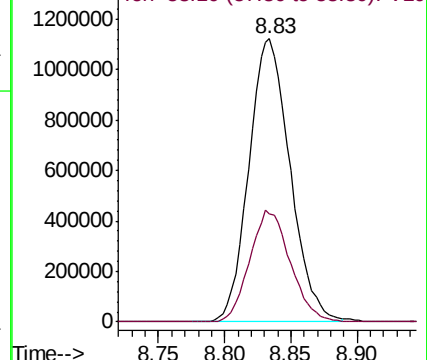
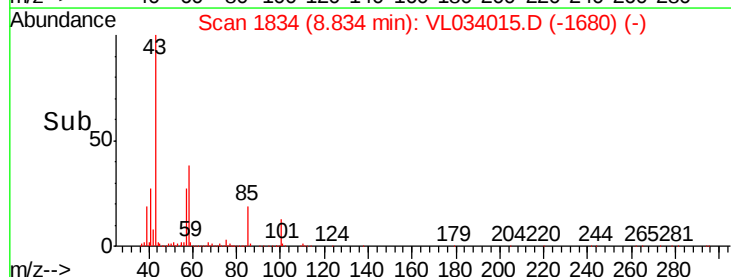
43 100

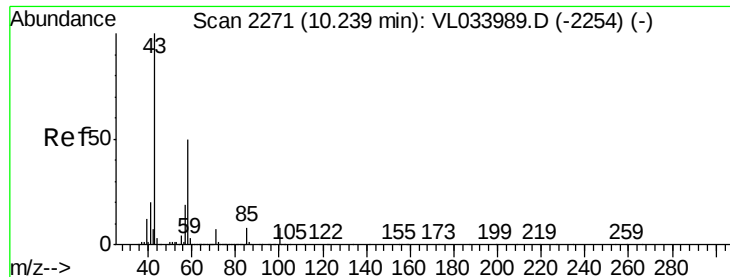
58 38.9 30.3 45.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

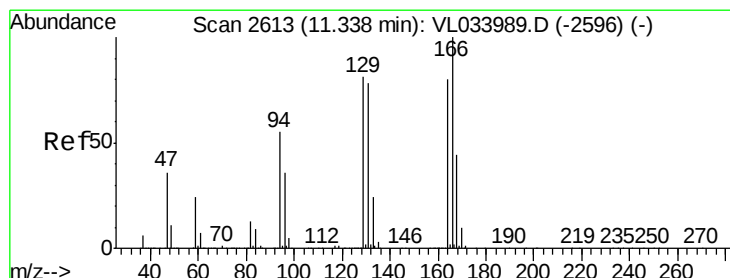
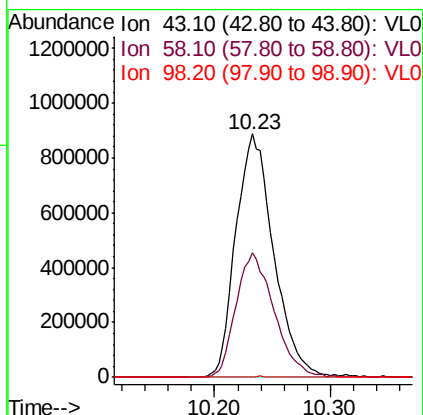
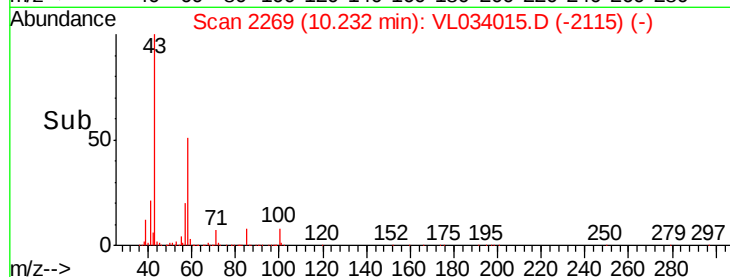
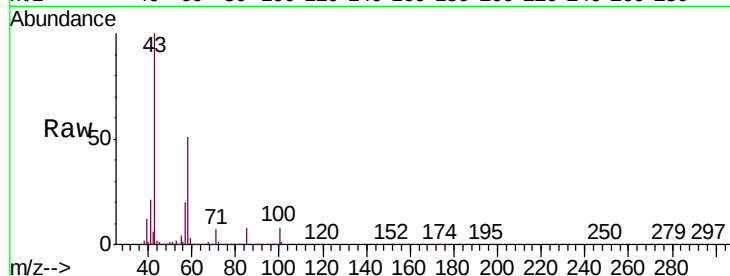




#51
2-Hexanone
Concen: 11.197 ppbv
RT: 10.23 min Scan# 2269
Delta R.T. -0.01 min
Lab File: VL034015.D
Acq: 8 Jul 2019 17:19

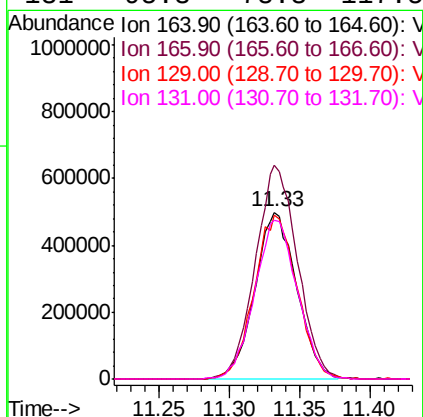
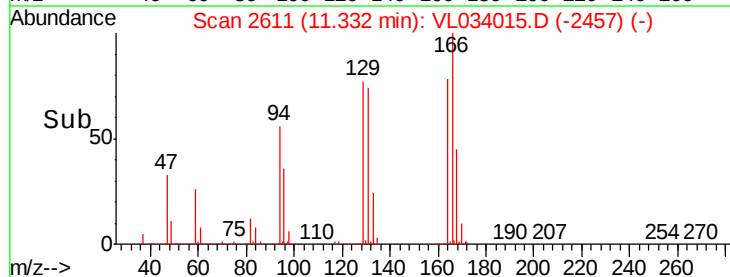
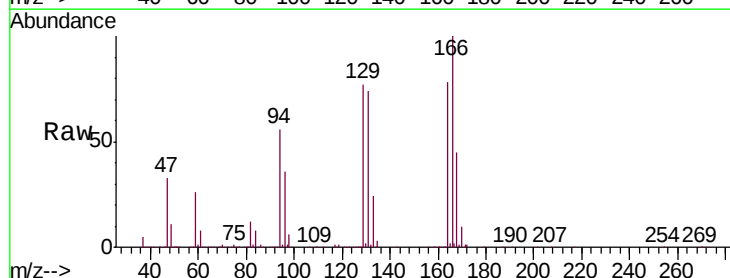
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

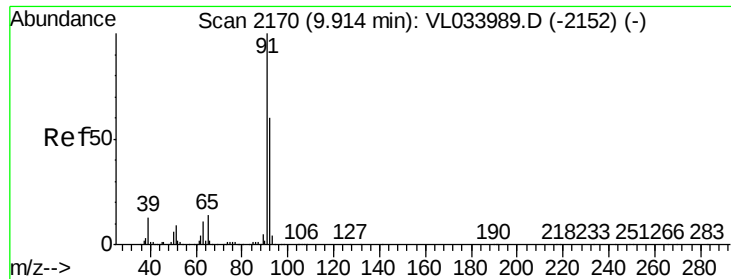
Tgt Ion: 43 Resp: 2001218
Ion Ratio Lower Upper
43 100
58 52.0 41.0 61.4
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 10.832 ppbv
RT: 11.33 min Scan# 2611
Delta R.T. -0.01 min
Lab File: VL034015.D
Acq: 8 Jul 2019 17:19

Tgt Ion: 164 Resp: 1029370
Ion Ratio Lower Upper
164 100
166 128.3 100.2 150.2
129 98.2 81.0 121.6
131 95.3 78.3 117.5





#53

Toluene

Concen: 11.975 ppbv

RT: 9.91 min Scan# 2168

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

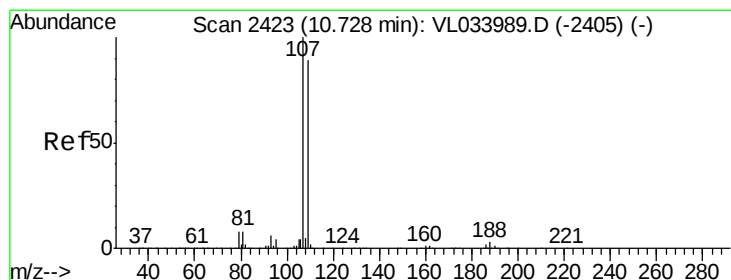
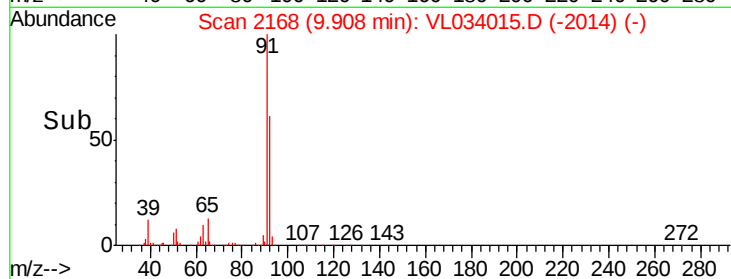
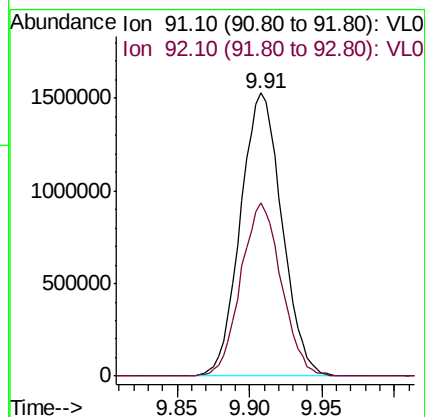
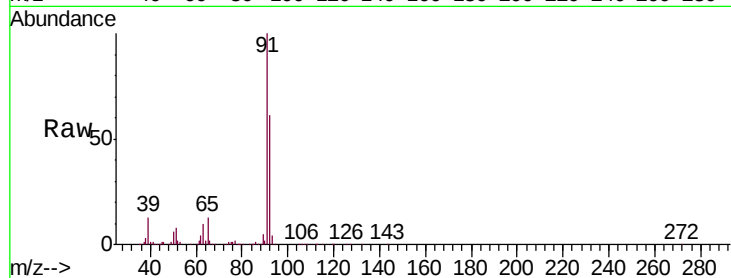
VSTDCCC010EC

Tgt Ion: 91 Resp: 3026759

Ion Ratio Lower Upper

91 100

92 60.2 47.7 71.5



#54

1,2-Dibromoethane

Concen: 11.087 ppbv

RT: 10.72 min Scan# 2420

Delta R.T. -0.01 min

Lab File: VL034015.D

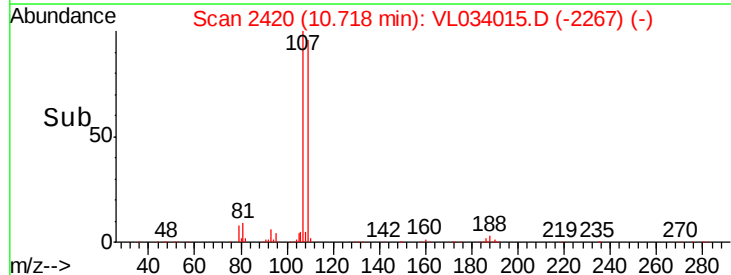
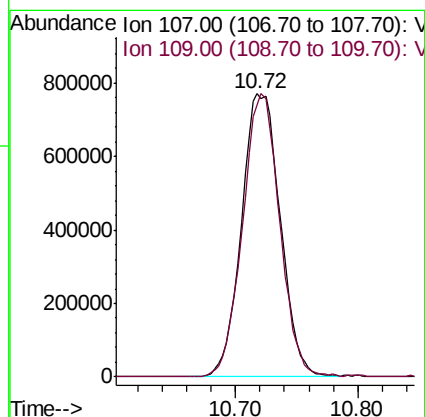
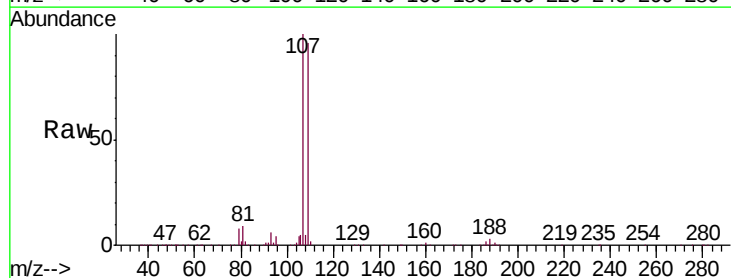
Acq: 8 Jul 2019 17:19

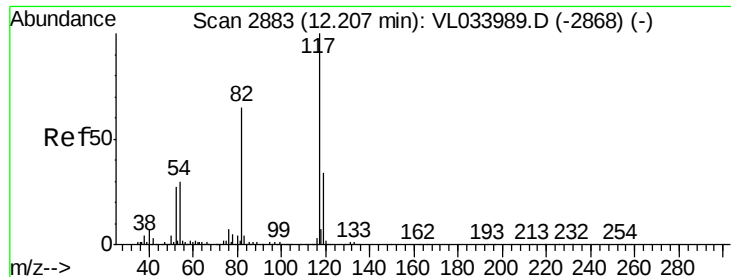
Tgt Ion: 107 Resp: 1688988

Ion Ratio Lower Upper

107 100

109 96.2 71.5 107.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.20 min Scan# 2881

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

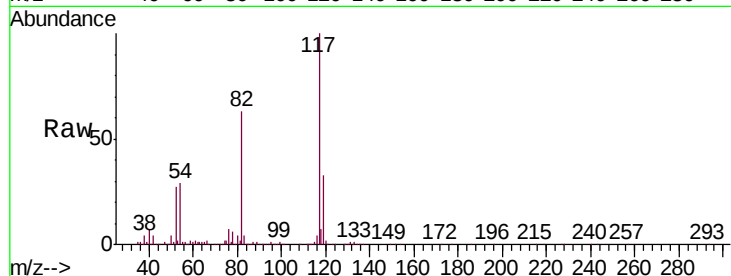
Tgt Ion:117 Resp: 3041174

Ion Ratio Lower Upper

117 100

82 60.5 50.8 76.2

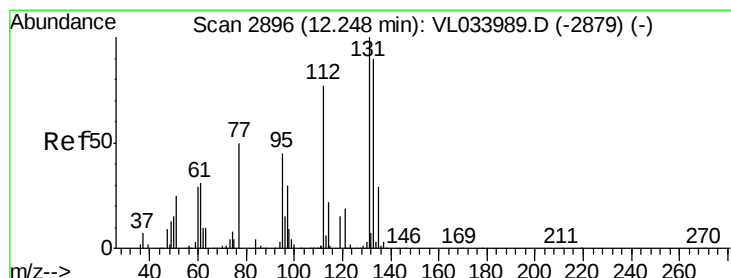
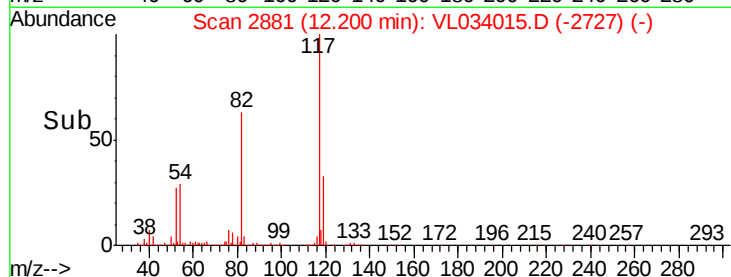
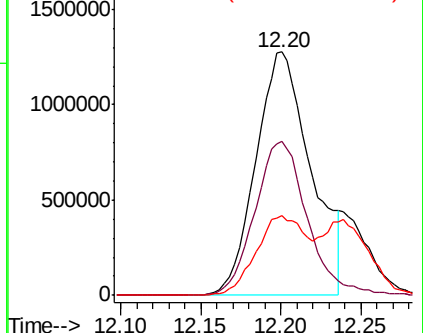
119 27.7 24.0 36.0



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.792 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

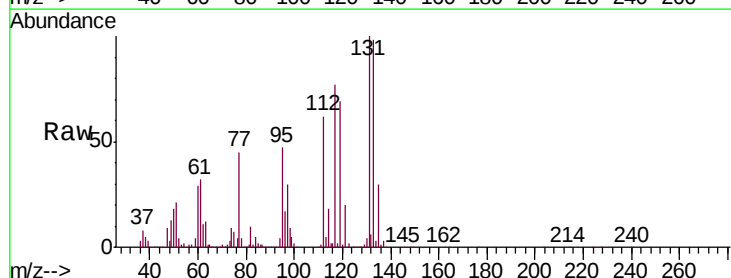
Tgt Ion:131 Resp: 1330917

Ion Ratio Lower Upper

131 100

133 96.4 76.2 114.2

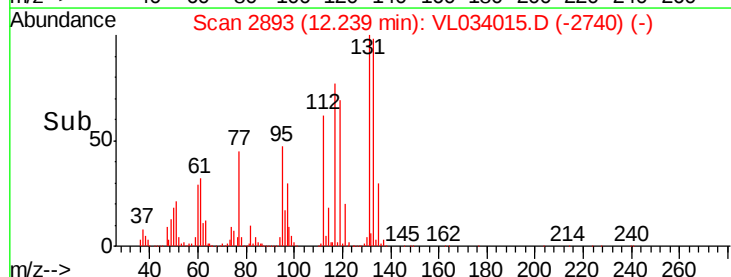
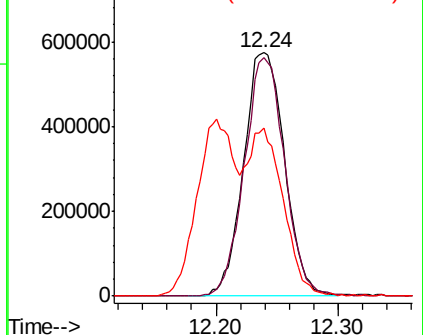
119 66.6 43.1 64.7#

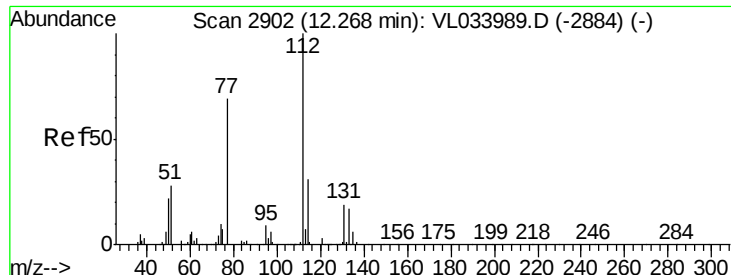


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.721 ppbv

RT: 12.26 min Scan# 2899

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

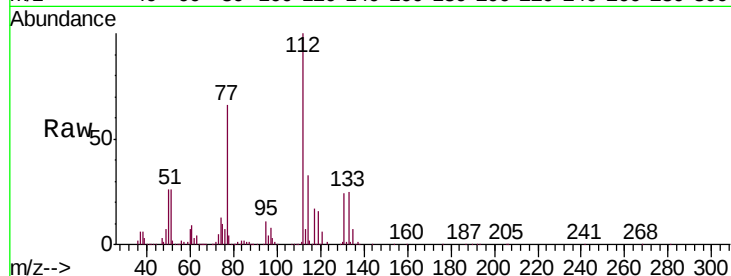
Tgt Ion: 112 Resp: 2353610

Ion Ratio Lower Upper

112 100

77 65.8 55.9 83.9

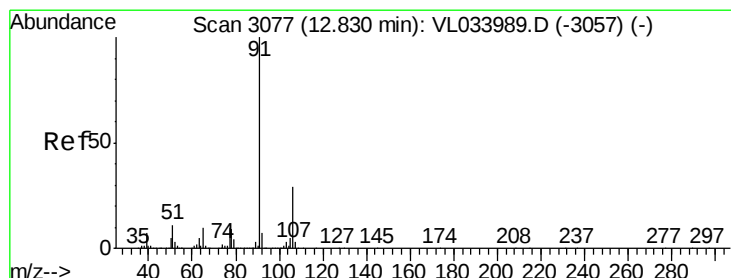
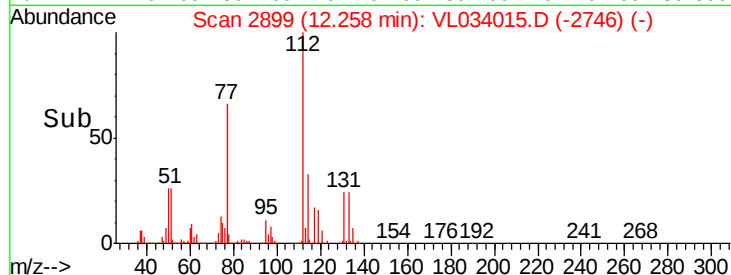
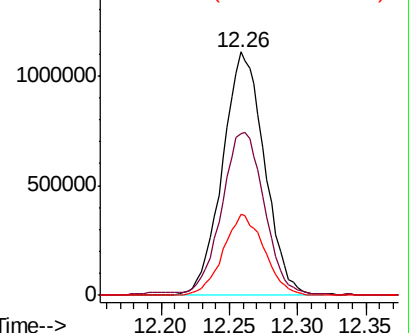
114 33.4 27.6 33.8



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: 11.462 ppbv

RT: 12.82 min Scan# 3075

Delta R.T. -0.01 min

Lab File: VL034015.D

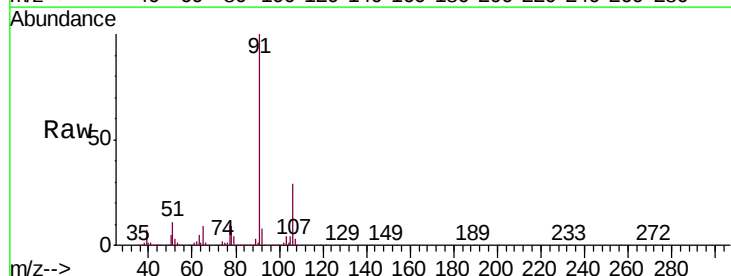
Acq: 8 Jul 2019 17:19

Tgt Ion: 91 Resp: 4191811

Ion Ratio Lower Upper

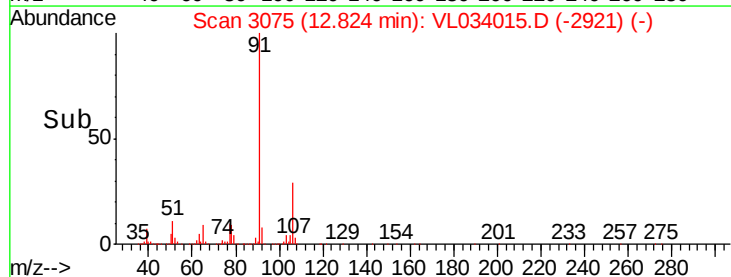
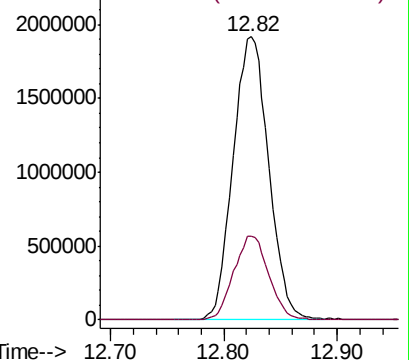
91 100

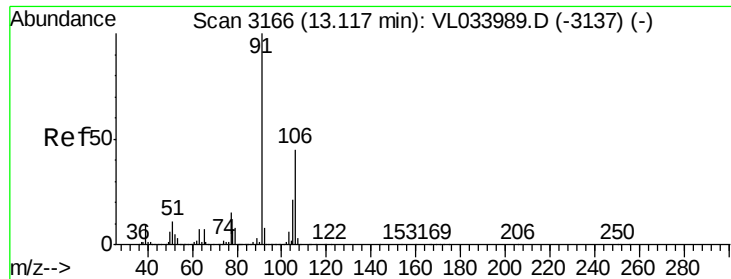
106 29.5 23.3 34.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

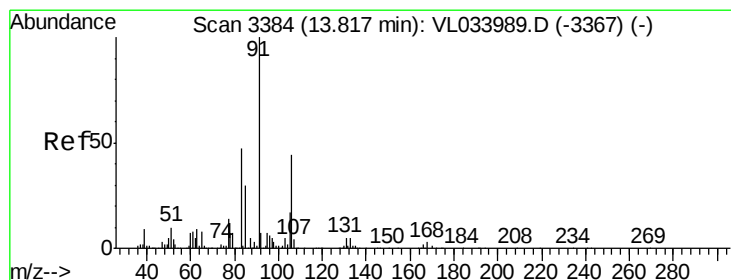
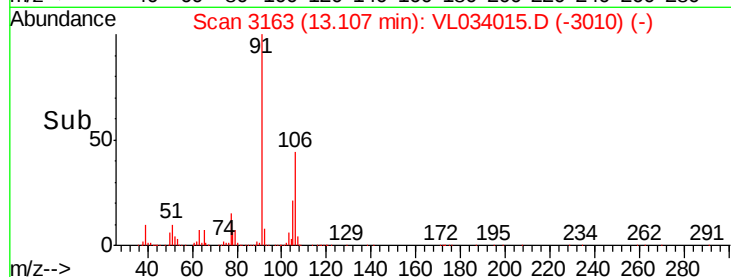
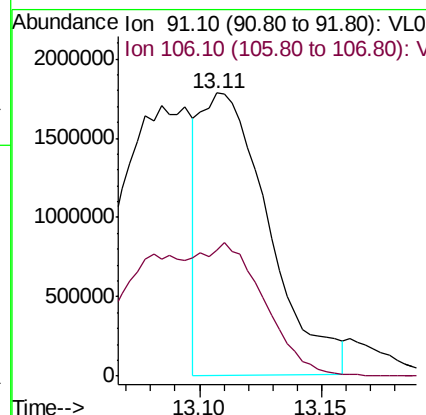
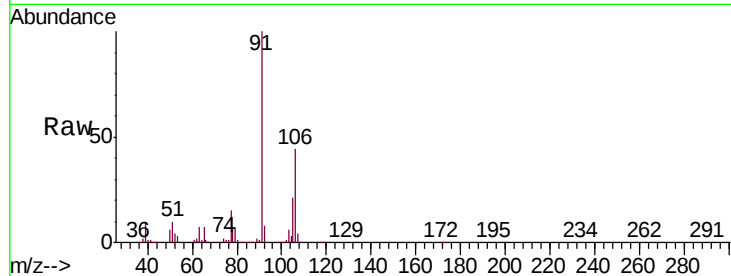




#59
m/p-Xylene
Concen: 10.422 ppbv
RT: 13.11 min Scan# 3163
Delta R.T. -0.01 min
Lab File: VL034015.D
Acq: 8 Jul 2019 17:19

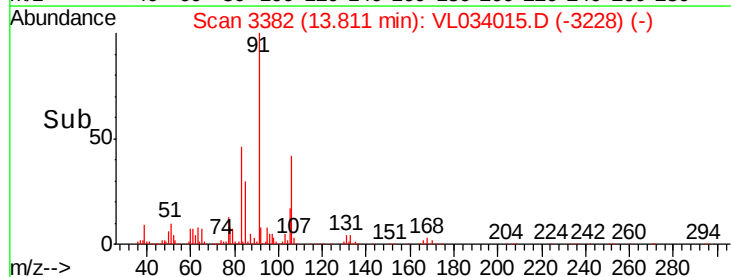
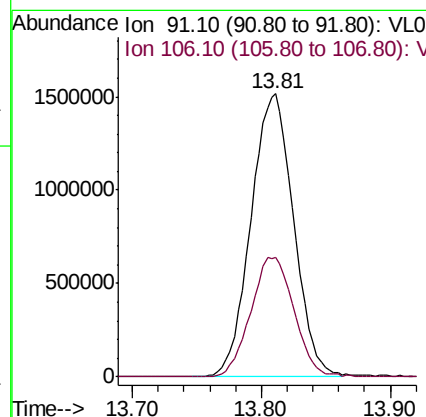
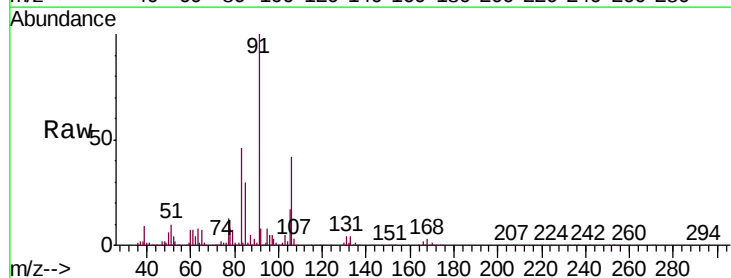
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

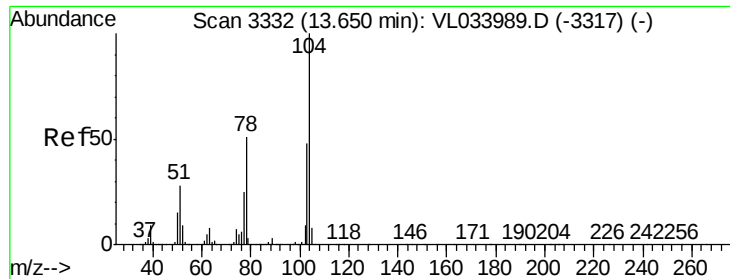
Tgt Ion: 91 Resp: 3451032
Ion Ratio Lower Upper
91 100
106 91.0 35.7 53.5#



#60
o-Xylene
Concen: 10.530 ppbv
RT: 13.81 min Scan# 3382
Delta R.T. -0.01 min
Lab File: VL034015.D
Acq: 8 Jul 2019 17:19

Tgt Ion: 91 Resp: 3488282
Ion Ratio Lower Upper
91 100
106 43.1 21.9 65.7





#61

Styrene

Concen: 11.839 ppbv

RT: 13.64 min Scan# 3330

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

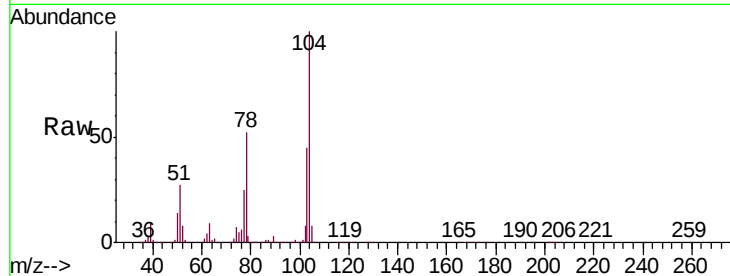
Tgt Ion:104 Resp: 2595405

Ion Ratio Lower Upper

104 100

78 54.2 43.9 65.9

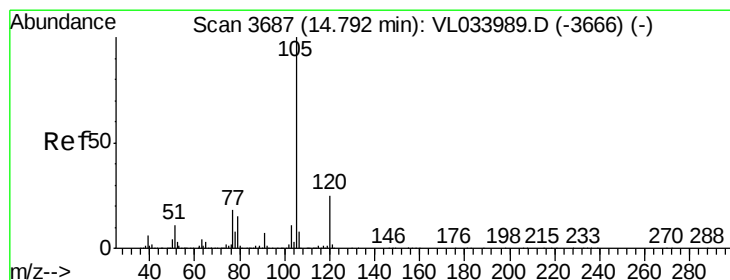
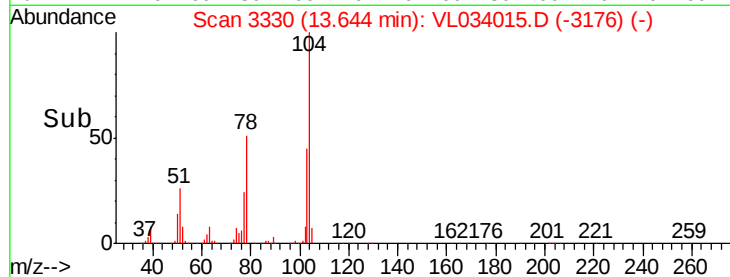
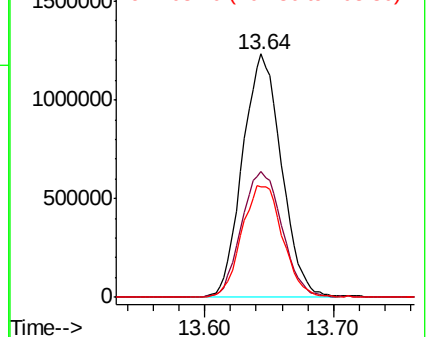
103 48.2 38.1 57.1



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: 9.138 ppbv

RT: 14.78 min Scan# 3684

Delta R.T. -0.01 min

Lab File: VL034015.D

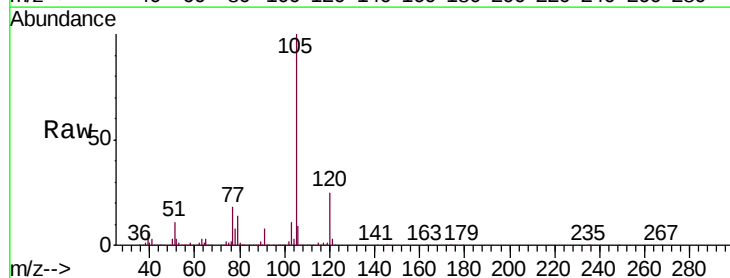
Acq: 8 Jul 2019 17:19

Tgt Ion:105 Resp: 4653396

Ion Ratio Lower Upper

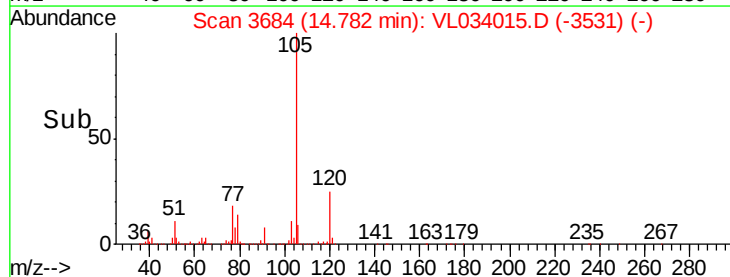
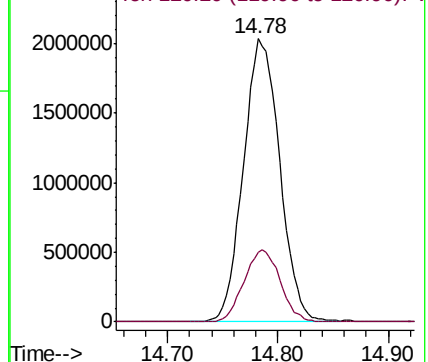
105 100

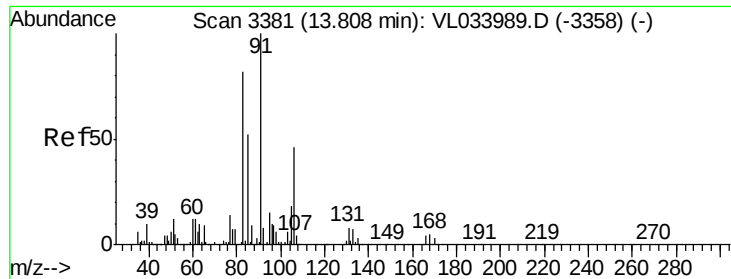
120 25.5 20.4 30.6



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: 9.385 ppbv

RT: 13.79 min Scan# 3377

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

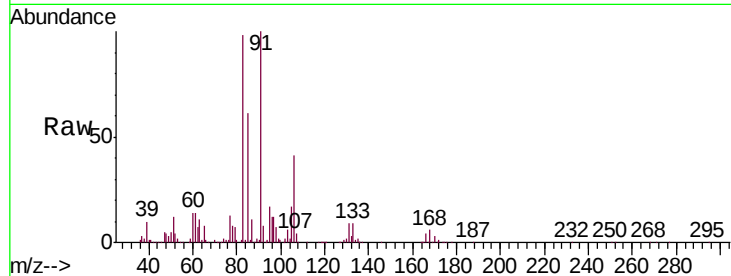
Tgt Ion: 83 Resp: 2406407

Ion Ratio Lower Upper

83 100

131 9.8 5.0 14.9

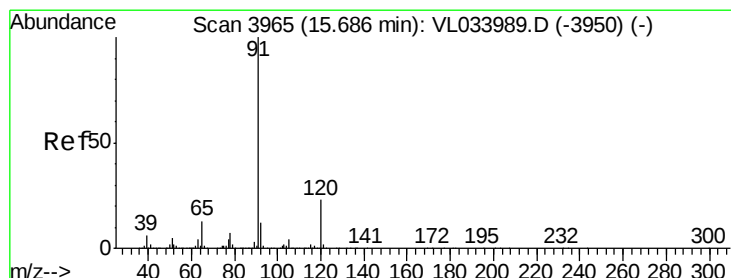
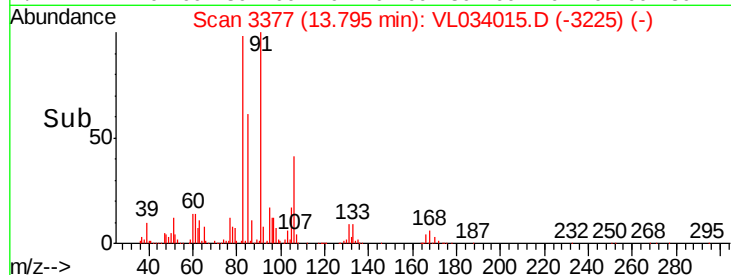
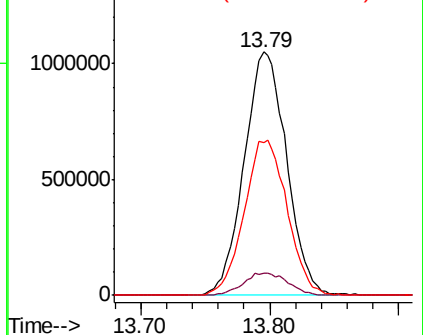
85 64.7 32.8 98.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.011 ppbv

RT: 15.68 min Scan# 3964

Delta R.T. -0.00 min

Lab File: VL034015.D

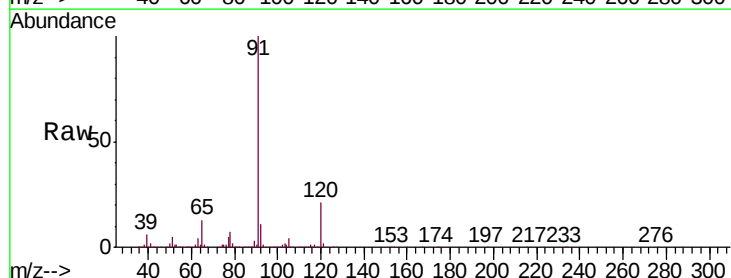
Acq: 8 Jul 2019 17:19

Tgt Ion: 120 Resp: 1190025

Ion Ratio Lower Upper

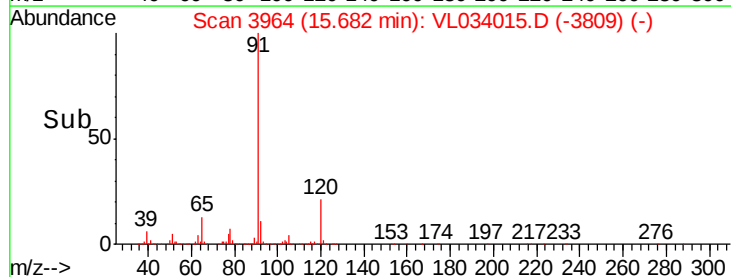
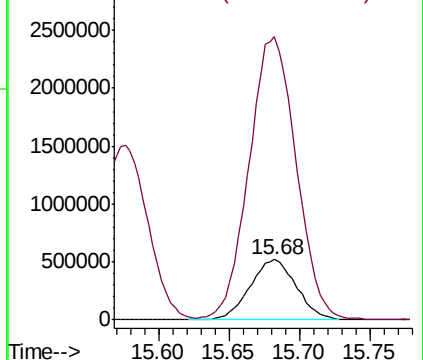
120 100

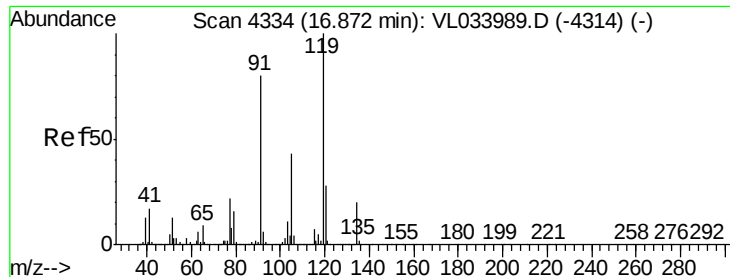
91 481.7 386.6 579.8



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

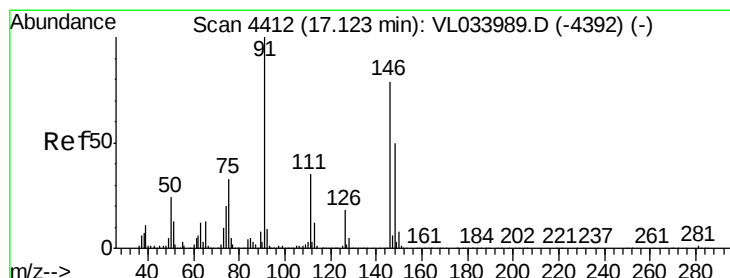
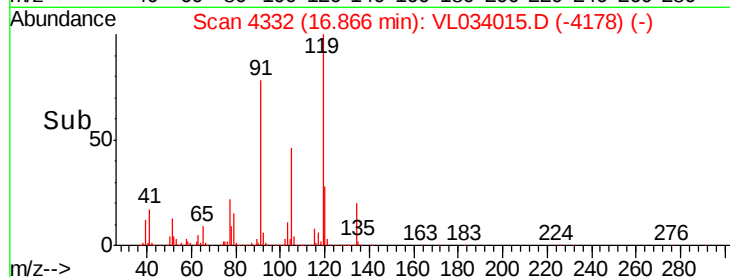
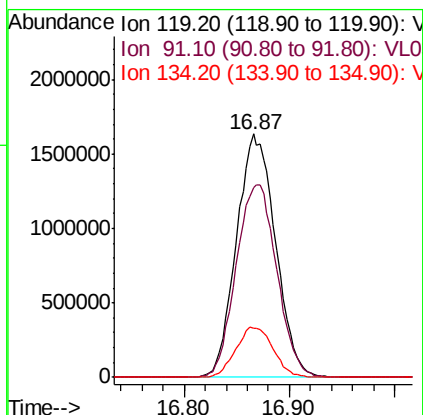
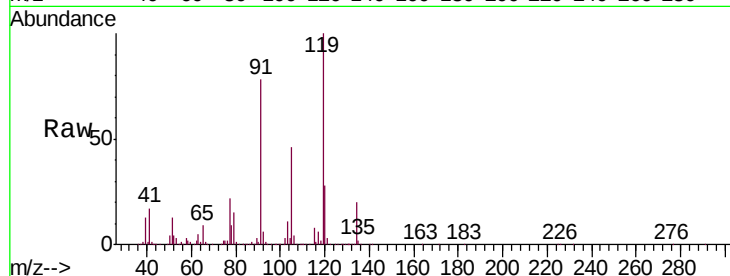




#65
tert-Butylbenzene
Concen: 9.677 ppbv
RT: 16.87 min Scan# 4332
Delta R.T. -0.01 min
Lab File: VL034015.D
Acq: 8 Jul 2019 17:19

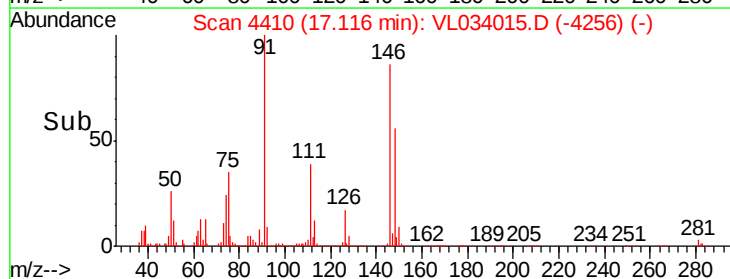
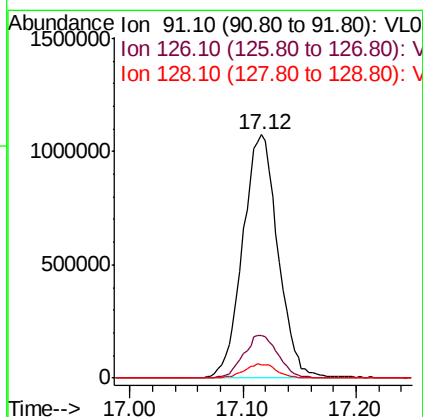
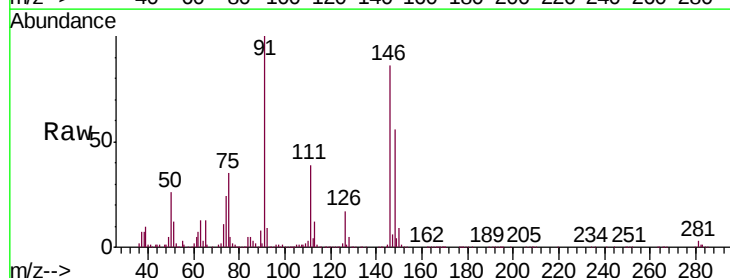
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

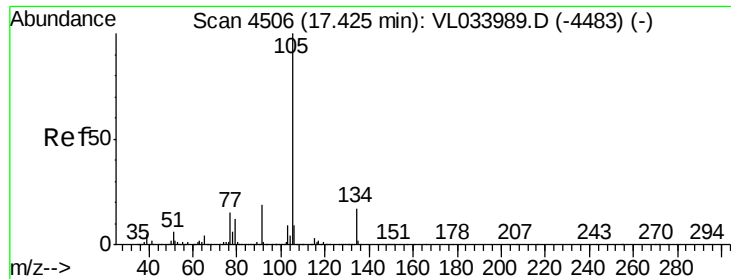
Tgt Ion: 119 Resp: 4190536
Ion Ratio Lower Upper
119 100
91 82.7 67.0 100.6
134 19.7 15.8 23.6



#66
Benzyl Chloride
Concen: 10.496 ppbv
RT: 17.12 min Scan# 4410
Delta R.T. -0.01 min
Lab File: VL034015.D
Acq: 8 Jul 2019 17:19

Tgt Ion: 91 Resp: 2325552
Ion Ratio Lower Upper
91 100
126 17.4 13.9 20.9
128 5.6 4.6 7.0

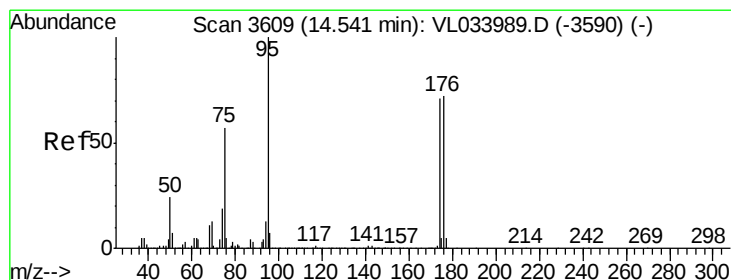
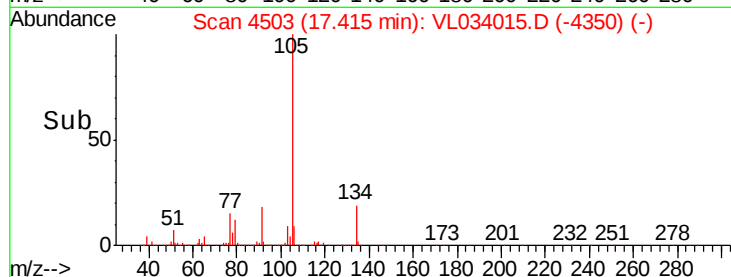
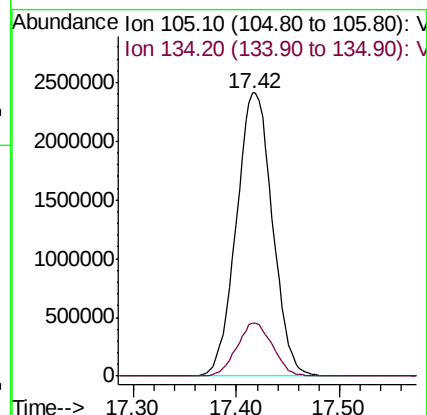
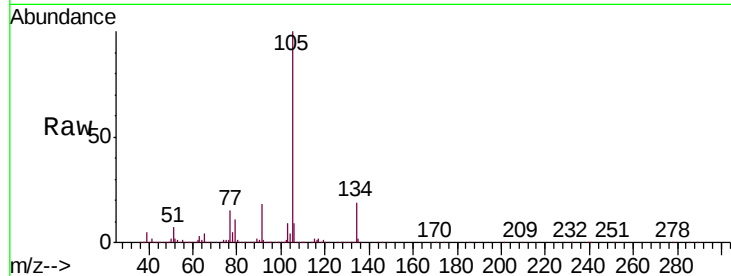




#67
 sec-Butylbenzene
 Concen: 9.622 ppbv
 RT: 17.42 min Scan# 4503
 Delta R.T. -0.01 min
 Lab File: VL034015.D
 Acq: 8 Jul 2019 17:19

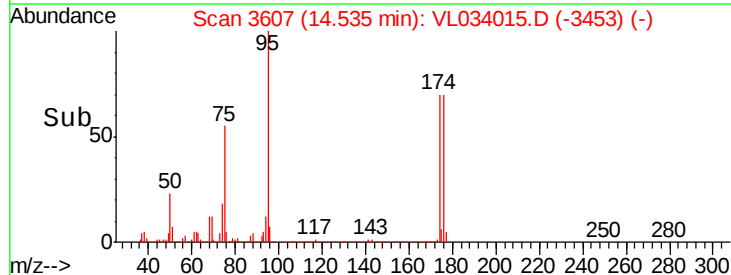
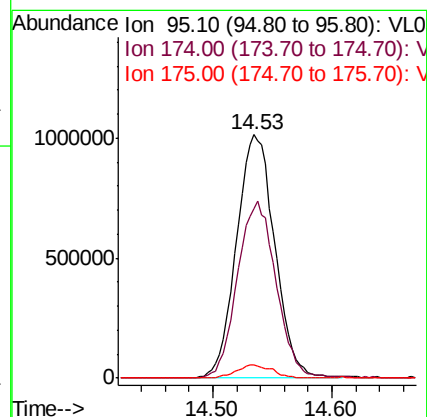
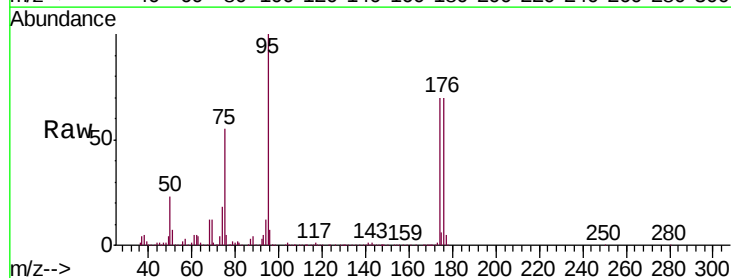
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

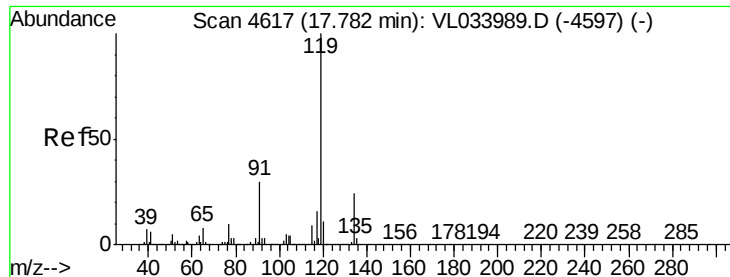
Tgt Ion:105 Resp: 5848705
 Ion Ratio Lower Upper
 105 100
 134 18.6 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.675 ppbv
 RT: 14.53 min Scan# 3607
 Delta R.T. -0.01 min
 Lab File: VL034015.D
 Acq: 8 Jul 2019 17:19

Tgt Ion: 95 Resp: 2250145
 Ion Ratio Lower Upper
 95 100
 174 74.0 60.5 90.7
 175 5.2 4.0 6.0

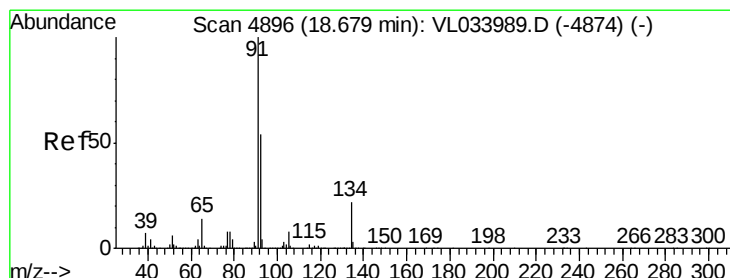
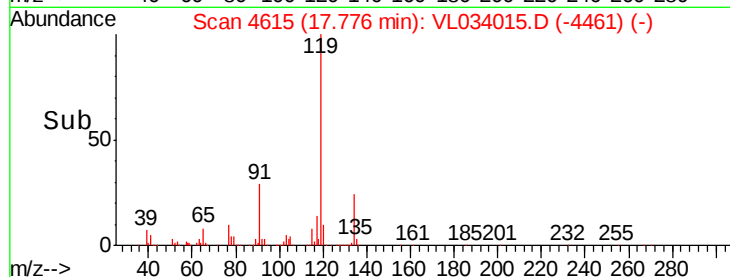
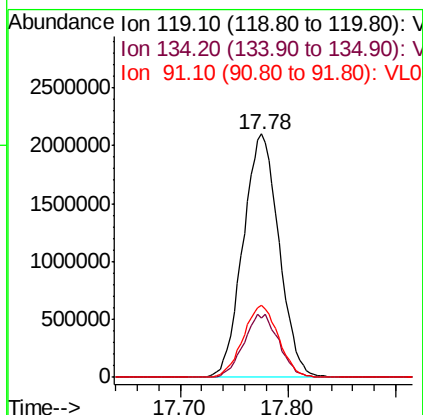
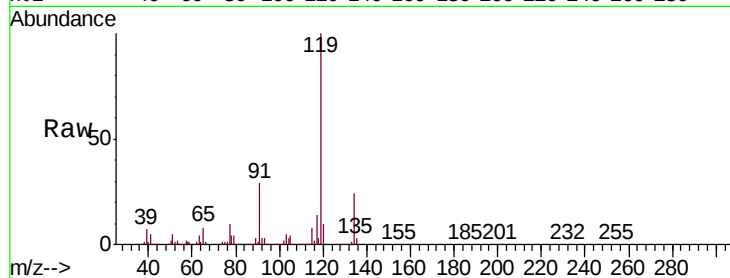




#69
p-Isopropyltoluene
Concen: 9.673 ppbv
RT: 17.78 min Scan# 4615
Delta R.T. -0.01 min
Lab File: VL034015.D
Acq: 8 Jul 2019 17:19

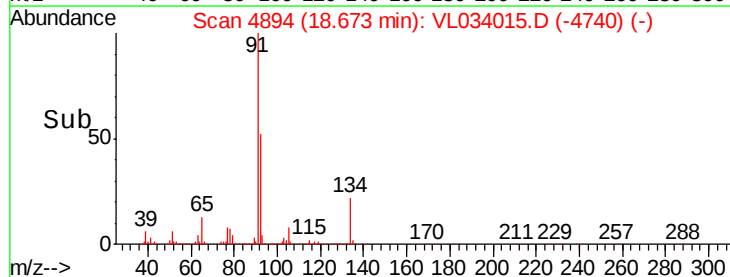
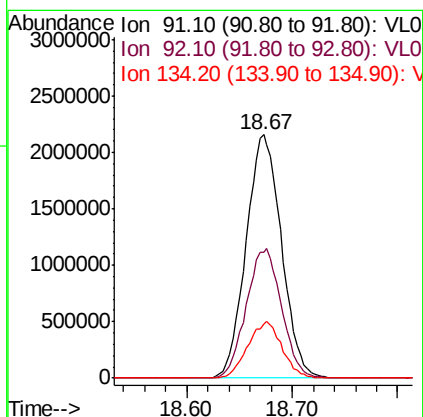
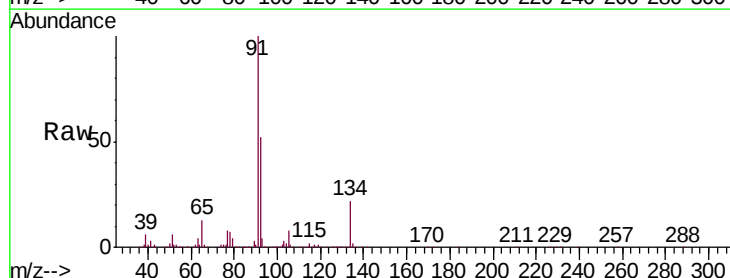
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

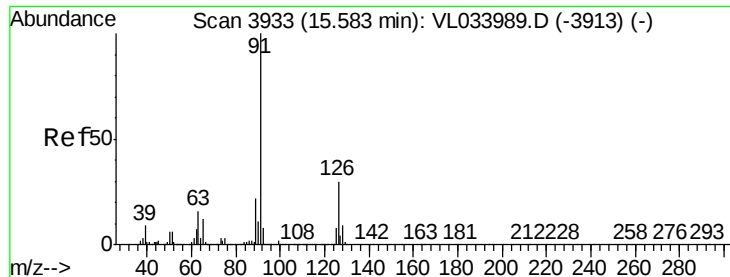
Tgt Ion: 119 Resp: 4847724
Ion Ratio Lower Upper
119 100
134 25.3 20.1 30.1
91 29.4 23.6 35.4



#70
n-Butylbenzene
Concen: 9.565 ppbv
RT: 18.67 min Scan# 4894
Delta R.T. -0.01 min
Lab File: VL034015.D
Acq: 8 Jul 2019 17:19

Tgt Ion: 91 Resp: 5035579
Ion Ratio Lower Upper
91 100
92 53.1 42.0 63.0
134 22.5 17.9 26.9

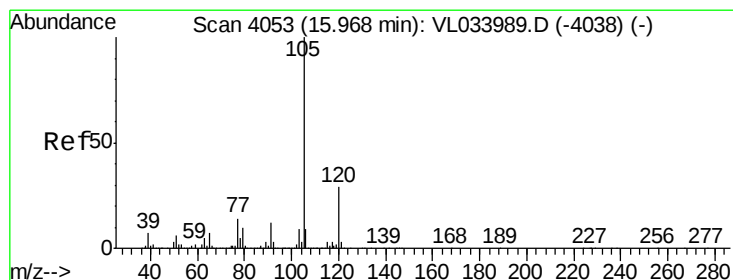
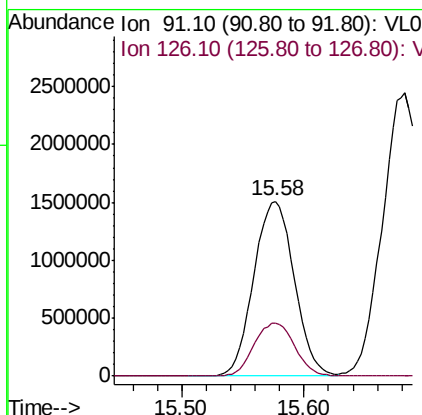
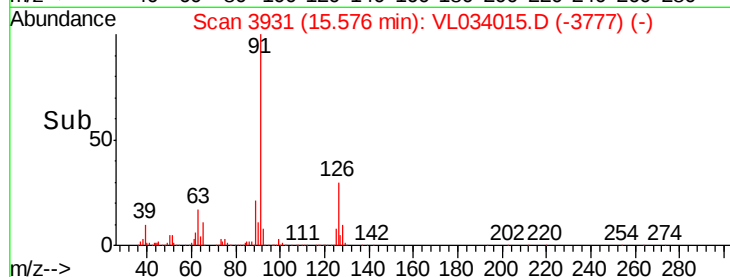
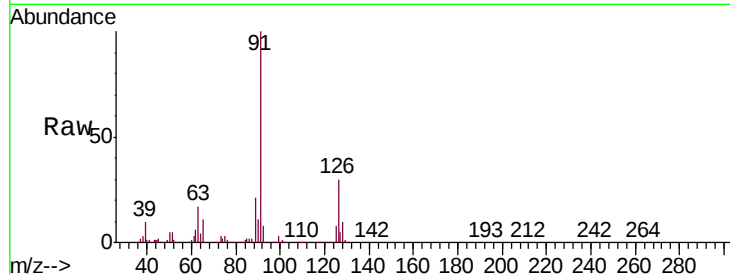




#71
2-Chlorotoluene
Concen: 9.335 ppbv
RT: 15.58 min Scan# 3931
Delta R.T. -0.01 min
Lab File: VL034015.D
Acq: 8 Jul 2019 17:19

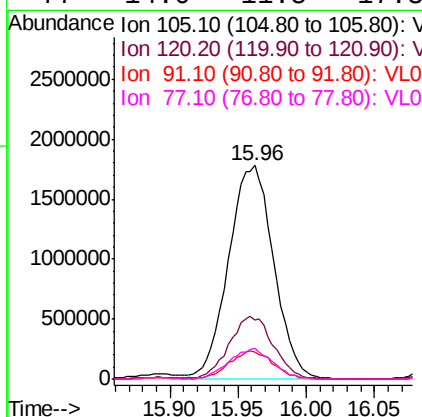
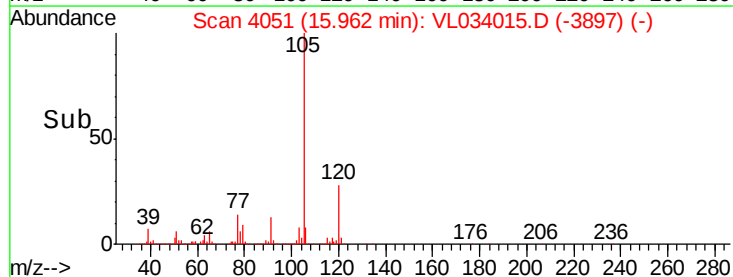
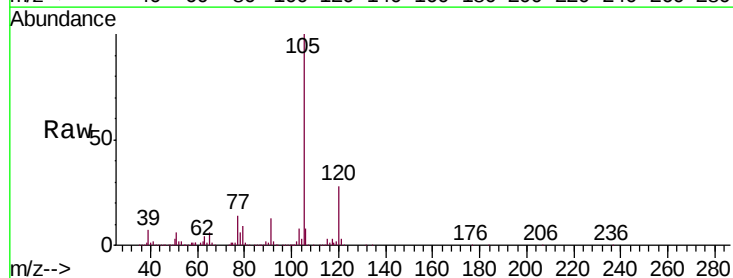
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

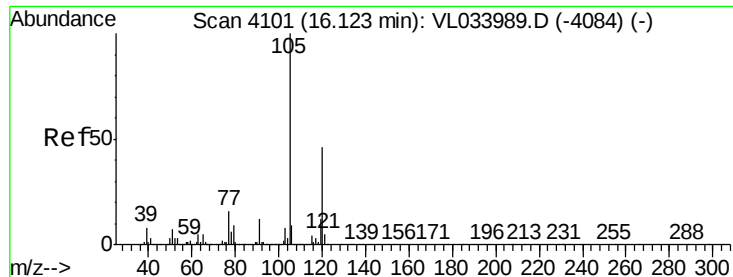
Tgt Ion: 91 Resp: 3478891
Ion Ratio Lower Upper
91 100
126 30.6 12.3 49.3



#72
4-Ethyltoluene
Concen: 9.517 ppbv
RT: 15.96 min Scan# 4051
Delta R.T. -0.01 min
Lab File: VL034015.D
Acq: 8 Jul 2019 17:19

Tgt Ion: 105 Resp: 4048764
Ion Ratio Lower Upper
105 100
120 29.7 24.1 36.1
91 12.9 10.6 16.0
77 14.0 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 9.885 ppbv

RT: 16.12 min Scan# 4100

Delta R.T. -0.00 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

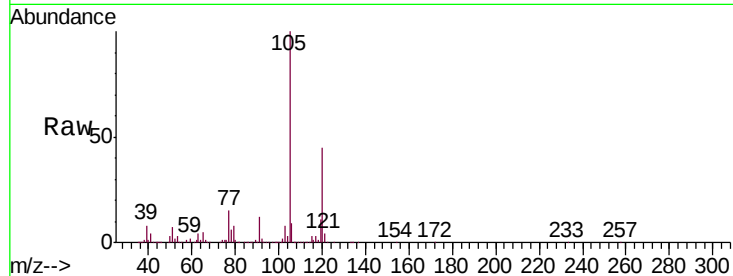
VSTDCCC010EC

Tgt Ion:105 Resp: 3912944

Ion Ratio Lower Upper

105 100

120 44.9 36.4 54.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

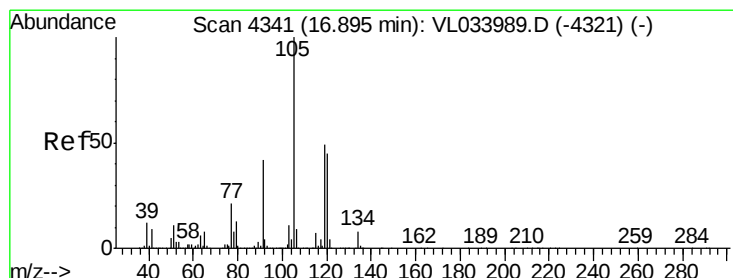
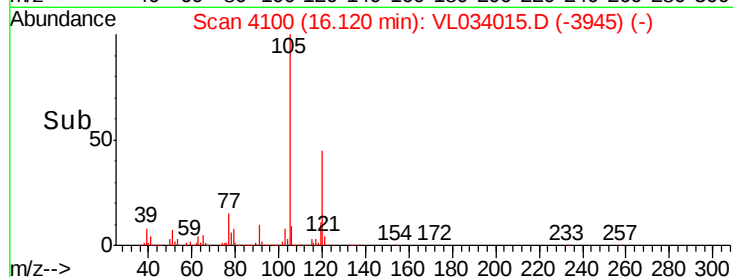
1000000

500000

0

16.00 16.10 16.20

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.285 ppbv

RT: 16.88 min Scan# 4338

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Tgt Ion:105 Resp: 4070729

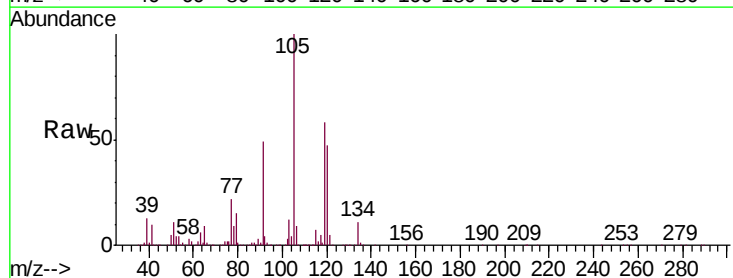
Ion Ratio Lower Upper

105 100

120 46.7 36.2 54.2

91 48.8 34.3 51.5

77 21.7 17.1 25.7



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

2500000

2000000

1500000

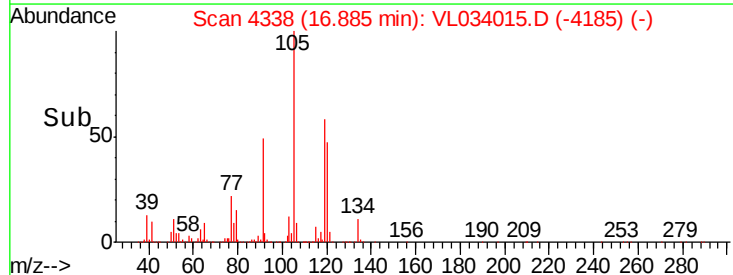
1000000

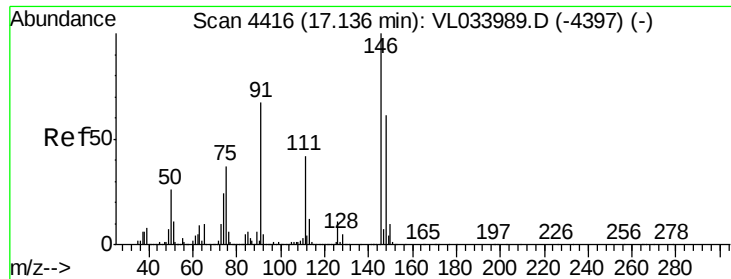
500000

0

16.80 16.90

Time-->





#75

1,3-Dichlorobenzene

Concen: 8.715 ppbv

RT: 17.12 min Scan# 4412

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

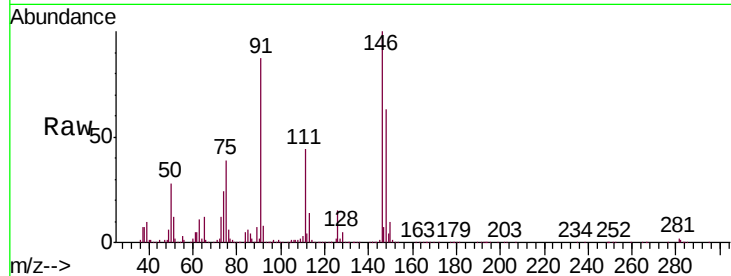
Tgt Ion:146 Resp: 2427081

Ion Ratio Lower Upper

146 100

111 44.1 22.3 66.9

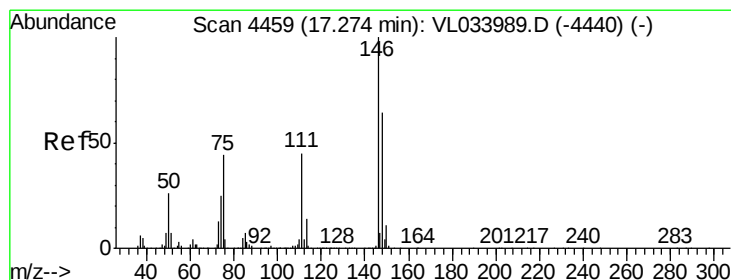
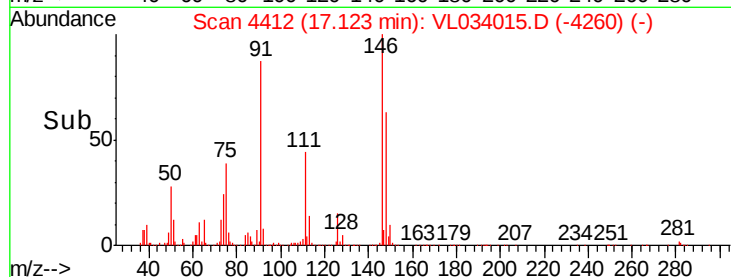
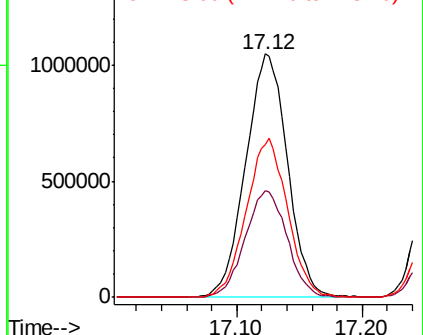
148 64.7 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.145 ppbv

RT: 17.27 min Scan# 4458

Delta R.T. -0.00 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

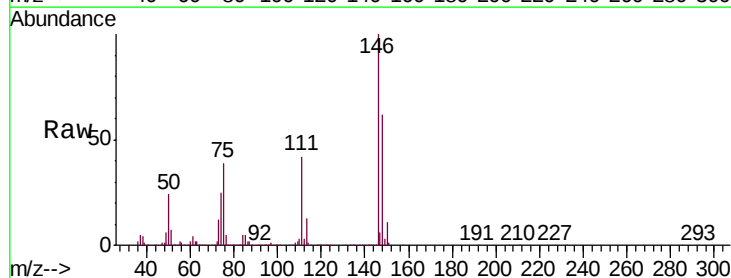
Tgt Ion:146 Resp: 2398569

Ion Ratio Lower Upper

146 100

111 43.7 21.9 65.5

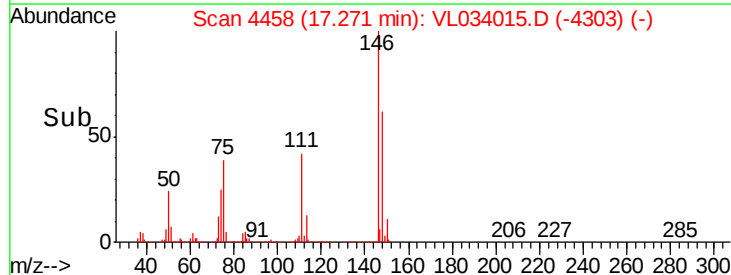
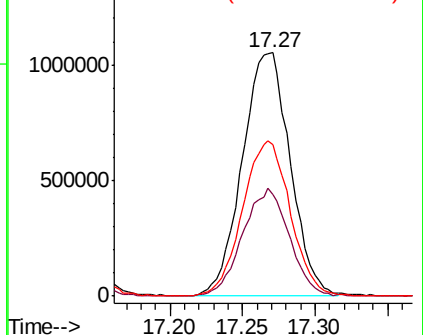
148 64.2 32.5 97.5

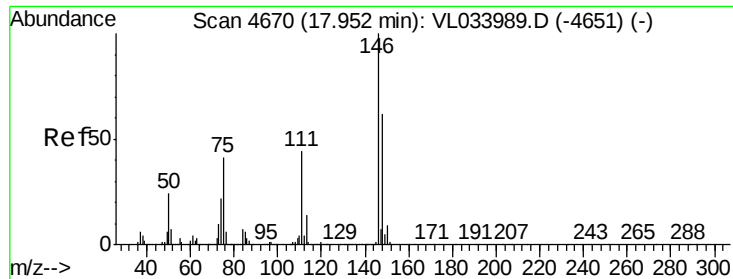


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

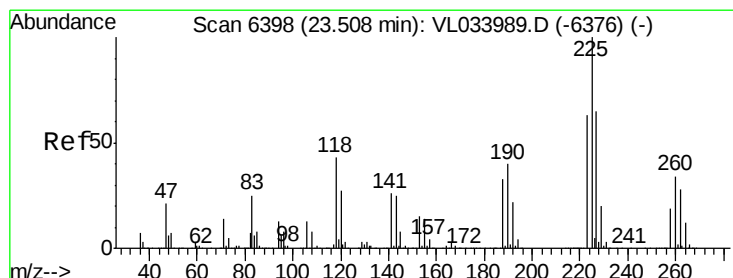
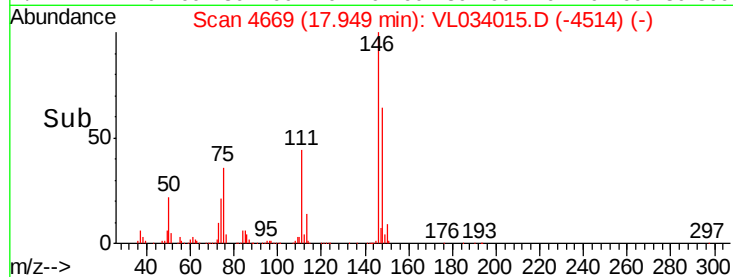
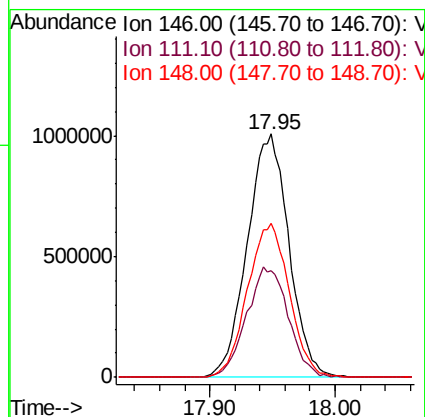
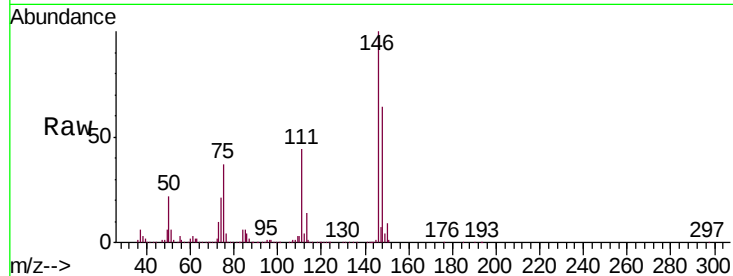




#77
 1,2-Dichlorobenzene
 Concen: 8.998 ppbv
 RT: 17.95 min Scan# 4669
 Delta R.T. -0.00 min
 Lab File: VL034015.D
 Acq: 8 Jul 2019 17:19

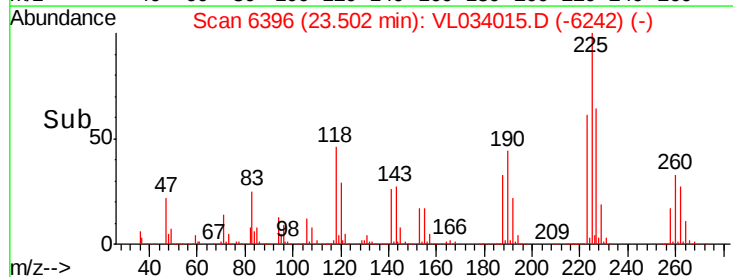
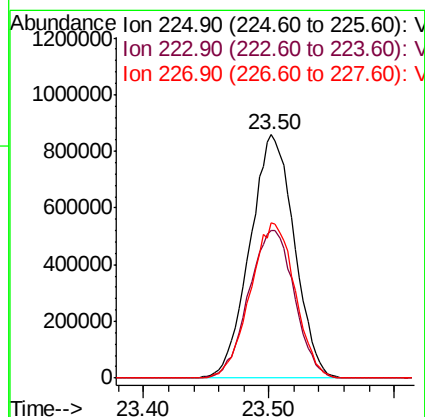
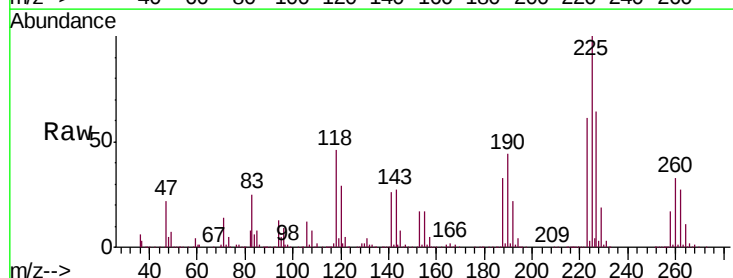
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

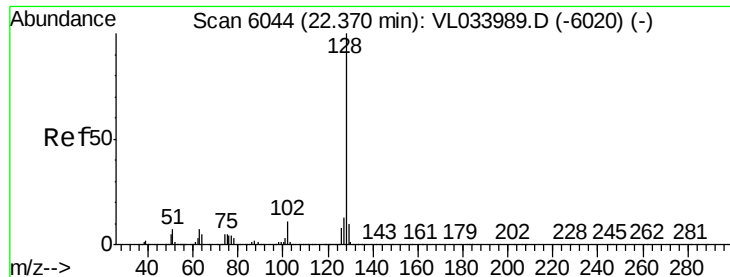
Tgt Ion:146 Resp: 2320294
 Ion Ratio Lower Upper
 146 100
 111 45.7 22.7 68.1
 148 64.0 32.1 96.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.637 ppbv
 RT: 23.50 min Scan# 6396
 Delta R.T. -0.01 min
 Lab File: VL034015.D
 Acq: 8 Jul 2019 17:19

Tgt Ion:225 Resp: 2114620
 Ion Ratio Lower Upper
 225 100
 223 62.6 51.5 77.3
 227 64.2 52.1 78.1





#79

Naphthalene

Concen: 10.163 ppbv

RT: 22.36 min Scan# 6040

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

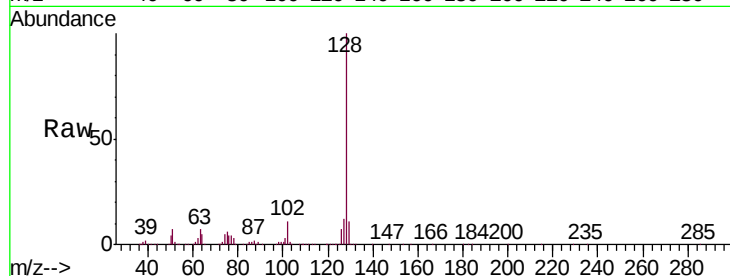
Tgt Ion:128 Resp: 3745891

Ion Ratio Lower Upper

128 100

127 12.1 10.6 15.8

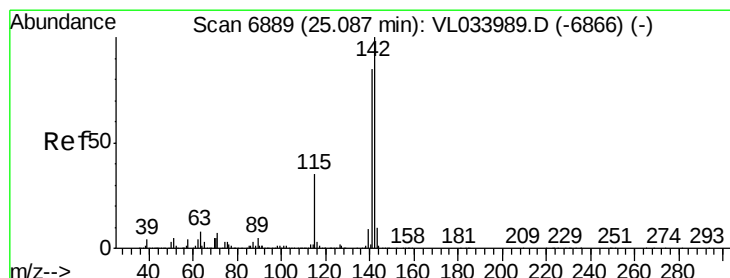
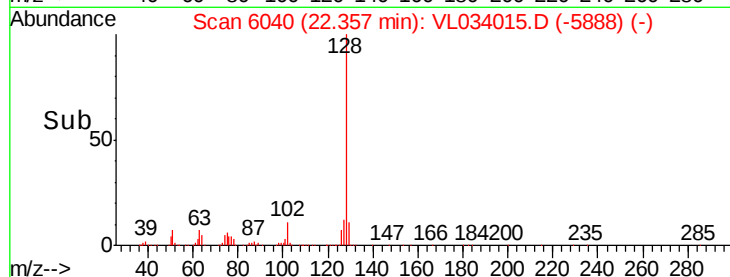
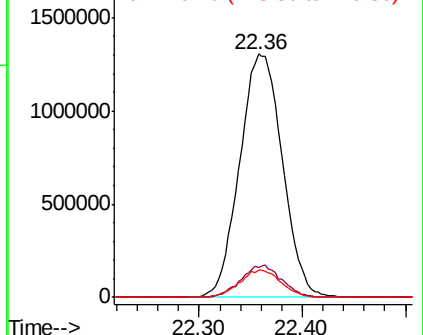
129 11.2 8.3 12.5



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: 14.530 ppbv

RT: 25.08 min Scan# 6886

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

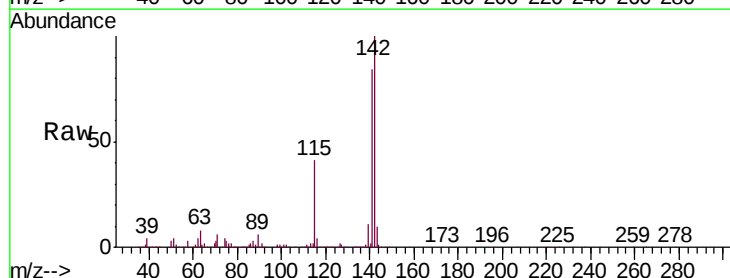
Tgt Ion:142 Resp: 1948906

Ion Ratio Lower Upper

142 100

141 84.3 68.2 102.2

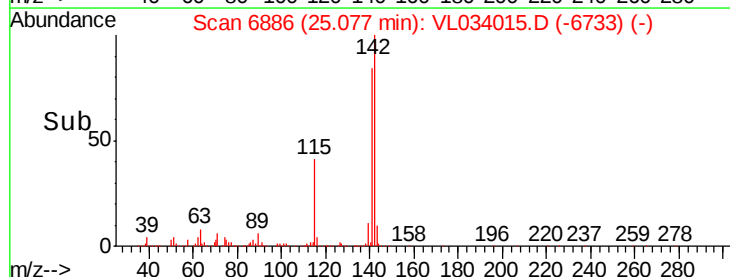
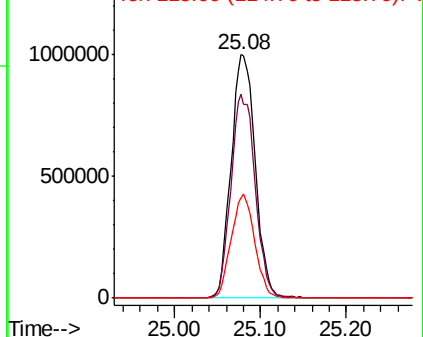
115 41.5 29.9 44.9

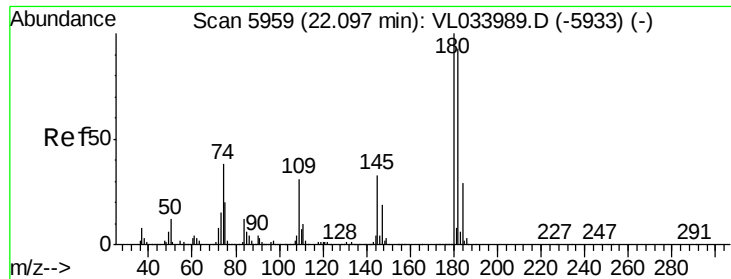


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 9.380 ppbv

RT: 22.09 min Scan# 5956

Delta R.T. -0.01 min

Lab File: VL034015.D

Acq: 8 Jul 2019 17:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

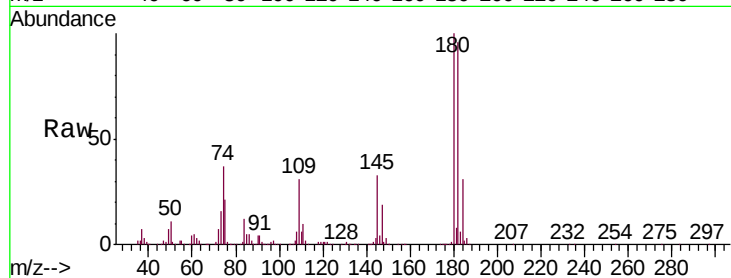
Tgt Ion:180 Resp: 2220370

Ion Ratio Lower Upper

180 100

182 96.2 76.6 114.8

184 31.0 24.6 36.8



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

