

Data File : VL034049.D
Acq On : 30 Jul 2019 2:48
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Jul 30 05:05:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL073019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 30 05:02:48 2019
QLast Update : Tue Jul 30 05:02:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	1241801	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	3291544	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	3315852	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.52	95	2629098	9.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	427168	1.637	ppbv	96
3) Chlorodifluoromethane	2.99	51	287258	1.844	ppbv	96
4) Chloromethane	3.15	50	163755	1.788	ppbv	96
5) Vinyl Chloride	3.26	62	177261	1.740	ppbv	99
6) Bromomethane	3.48	94	111864	1.810	ppbv	95
7) Chloroethane	3.57	64	70032	1.860	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	470958	1.817	ppbv	99
9) Propene	3.01	41	104628	1.827	ppbv	99
10) Heptane	8.19	43	295519	2.136	ppbv	99
11) Trichlorofluoromethane	3.97	101	518137	1.721	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.52	101	399449	1.994	ppbv	100
13) Ethanol	3.62	45	46087	2.561	ppbv	92
14) Bromoethene	3.76	108	146878	1.878	ppbv	98
15) Acetone	3.87	43	378747	1.743	ppbv	98
16) 1,3-Butadiene	3.34	39	136913	1.742	ppbv	97
17) tert-Butyl alcohol	4.33	59	327913	1.981	ppbv	98
18) 1,1-Dichloroethene	4.32	96	179043	1.994	ppbv	96
19) Isopropyl Alcohol	3.99	45	233518	1.599	ppbv #	95
20) Methylene Chloride	4.37	84	153196	1.712	ppbv	95
21) Allyl Chloride	4.44	41	263964	2.058	ppbv	99
22) trans-1,2-Dichloroethene	4.92	96	186844	2.185	ppbv	95
23) Vinyl Acetate	5.12	43	445554	2.180	ppbv #	97
24) 1,1-Dichloroethane	5.05	63	386950	2.115	ppbv	99
25) Ethyl Acetate	5.73	43	603535	2.139	ppbv	100
26) Hexane	5.73	57	266336	2.060	ppbv	95
27) Carbon Disulfide	4.58	76	438361	2.014	ppbv	96
28) Methyl tert-Butyl Ether	5.08	73	475286	2.179	ppbv	100
29) Chloroform	5.80	83	500544	2.064	ppbv	99
30) Cyclohexane	7.20	84	227826	2.152	ppbv	86
31) cis-1,2-Dichloroethene	5.60	61	269750	2.169	ppbv	96
32) 1,1,1-Trichloroethane	6.57	97	519655	2.115	ppbv	99
34) 2-Butanone	5.29	43	368474	2.258	ppbv	97
35) Carbon Tetrachloride	7.08	117	534163	2.149	ppbv	94
36) Benzene	6.96	78	552861	2.315	ppbv	98
37) 1,2-Dichloroethane	6.37	62	388810	2.186	ppbv	99
38) Trichloroethene	7.91	130	128424	1.181	ppbv	95
39) 1,2-Dichloropropane	7.69	63	264926	2.935	ppbv	94
40) 1,4-Dioxane	7.92	88	36488	0.887	ppbv #	1
41) Tetrahydrofuran	6.11	42	186141	2.350	ppbv	99
42) Bromodichloromethane	7.87	83	516482	2.171	ppbv #	98
43) Methyl Methacrylate	8.09	69	209417	2.317	ppbv	95

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VSTDIC002

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL073019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 30 05:02:48 2019
QLast Update : Tue Jul 30 05:02:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.94	57	926460	2.239	ppbv	99
45) t-1,3-Dichloropropene	9.36	75	259888	2.222	ppbv	94
46) cis-1,3-Dichloropropene	8.79	75	298356	2.188	ppbv	97
47) 1,1,2-Trichloroethane	9.56	97	244188	2.175	ppbv	96
48) Dibromochloromethane	10.39	129	441860	1.955	ppbv	99
49) Bromoform	13.14	173	415522	2.268	ppbv	99
50) 4-Methyl-2-Pentanone	8.83	43	536848	2.236	ppbv	100
51) 2-Hexanone	10.23	43	426972	2.080	ppbv #	98
52) Tetrachloroethene	11.32	164	229734	2.187	ppbv	87
53) Toluene	9.89	91	640037	2.354	ppbv	97
54) 1,2-Dibromoethane	10.71	107	364817	2.216	ppbv	91
56) 1,1,1,2-Tetrachloroethane	12.22	131	326849	2.241	ppbv #	1
57) Chlorobenzene	12.24	112	548434	2.111	ppbv	97
58) Ethyl Benzene	12.81	91	887310	2.261	ppbv	98
59) m/p-Xylene	13.09	91	714467	2.009	ppbv #	16
60) o-Xylene	13.79	91	794192	2.226	ppbv	100
61) Styrene	13.63	104	538520	2.296	ppbv	99
62) Isopropylbenzene	14.77	105	550002	1.067	ppbv #	50
63) 1,1,2,2-Tetrachloroethane	13.78	83	570064	2.059	ppbv	99
64) n-propylbenzene	15.67	120	272930	2.048	ppbv	95
65) tert-Butylbenzene	16.85	119	1023765	2.357	ppbv	98
66) Benzyl Chloride	17.10	91	484129	2.204	ppbv	99
67) sec-Butylbenzene	17.40	105	1437622	2.345	ppbv	99
69) p-Isopropyltoluene	17.76	119	1182948	2.346	ppbv	99
70) n-Butylbenzene	18.66	91	1279308	2.411	ppbv	98
71) 2-Chlorotoluene	15.56	91	808063	2.153	ppbv	100
72) 4-Ethyltoluene	15.94	105	925033	2.140	ppbv	100
73) 1,3,5-Trimethylbenzene	16.10	105	925589	2.322	ppbv	93
74) 1,2,4-Trimethylbenzene	16.87	105	1028038	2.329	ppbv #	90
75) 1,3-Dichlorobenzene	17.11	146	630799	2.240	ppbv	99
76) 1,4-Dichlorobenzene	17.25	146	320730	1.210	ppbv #	24
77) 1,2-Dichlorobenzene	17.93	146	284176	1.092	ppbv #	19
78) Hexachloro-1,3-Butadiene	23.49	225	347109	1.528	ppbv #	50
79) Naphthalene	22.34	128	926292	2.492	ppbv	95
80) Naphthalene,2-methyl-	25.07	142	315674	2.346	ppbv	99
81) 1,2,4-Trichlorobenzene	22.06	180	596910	2.484	ppbv	100

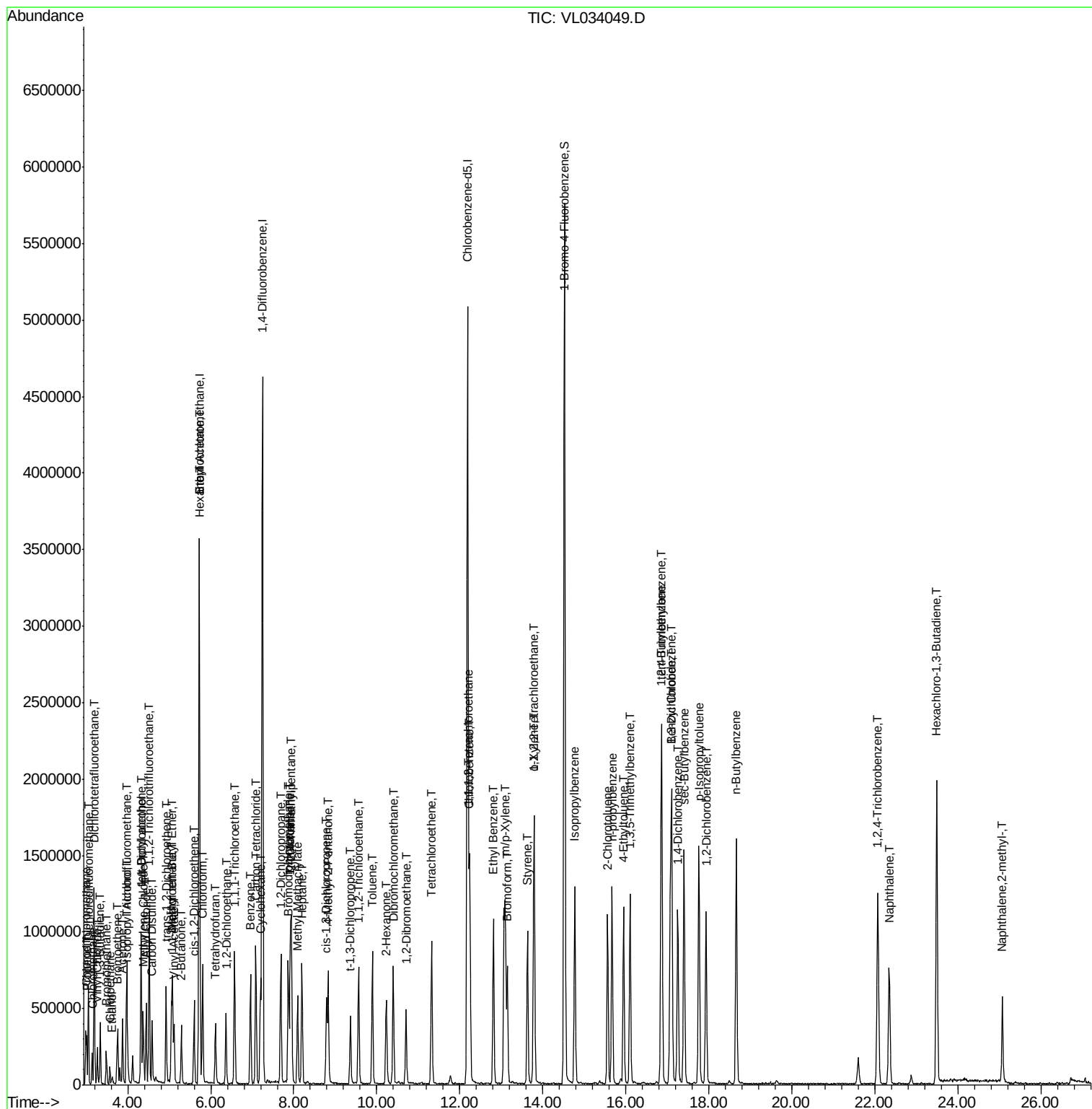
(#) = qualifier out of range (m) = manual integration (+) = signals summed

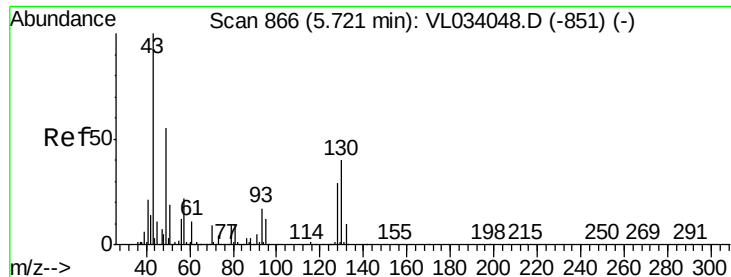
Data File : VL034049.D

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Acq On       : 30 Jul 2019    2:48
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Sample      : VSTDICC002
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ALS Vial    : 1      Sample Multipl
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Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Jul 30 05:05:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL073019AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LTue Jul 30 05:02:48 2019
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.72 min Scan# 865

Delta R.T. -0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

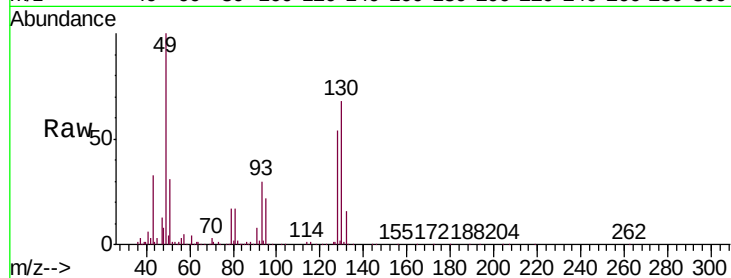
Tgt Ion: 49 Resp: 1241801

Ion Ratio Lower Upper

49 100

128 56.0 27.0 81.0

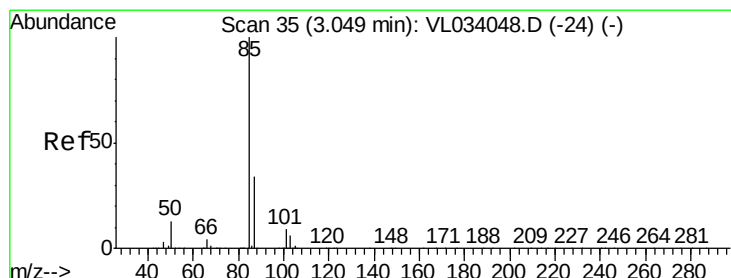
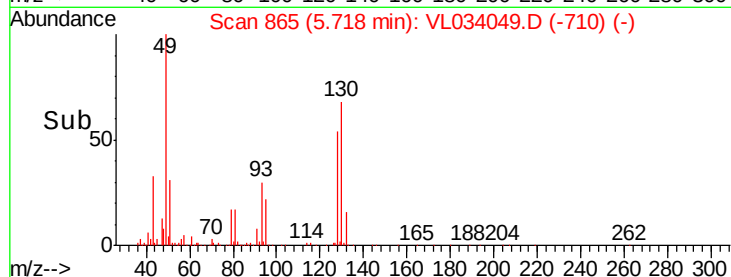
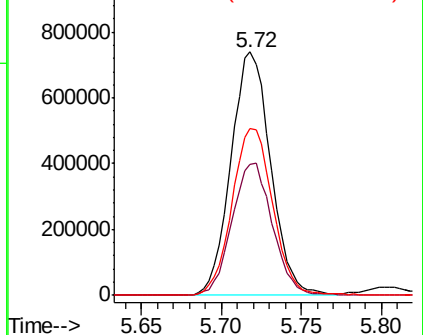
130 70.8 35.0 105.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 1.637 ppbv

RT: 3.05 min Scan# 36

Delta R.T. 0.00 min

Lab File: VL034049.D

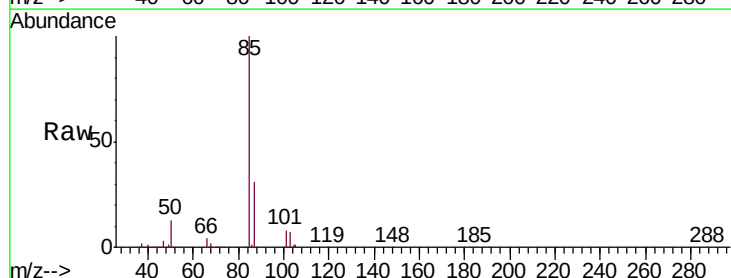
Acq: 30 Jul 2019 2:48

Tgt Ion: 85 Resp: 427168

Ion Ratio Lower Upper

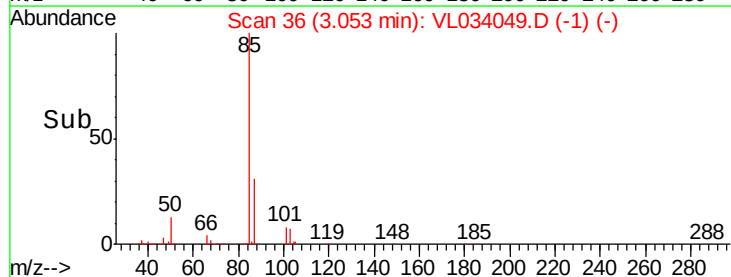
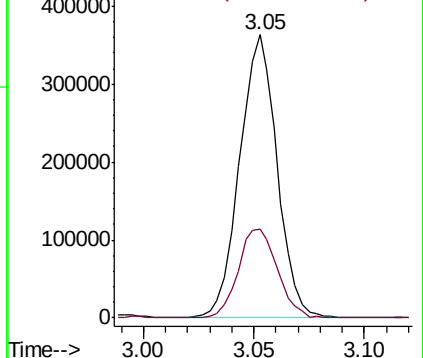
85 100

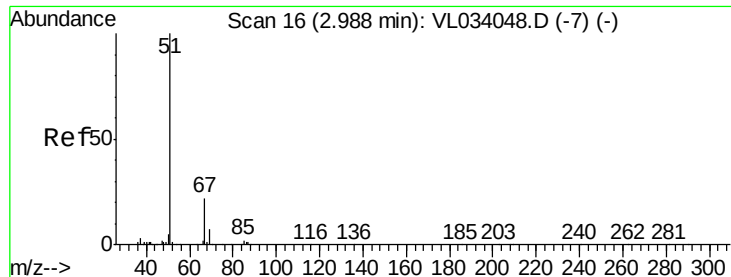
87 31.5 27.0 40.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

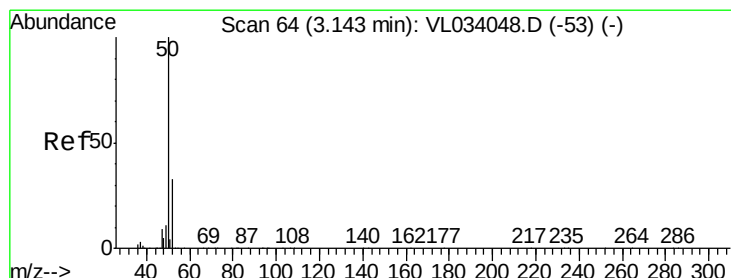
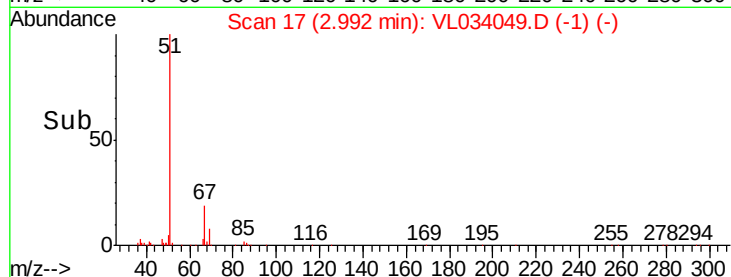
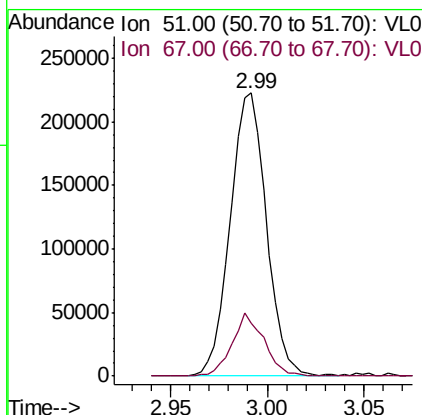
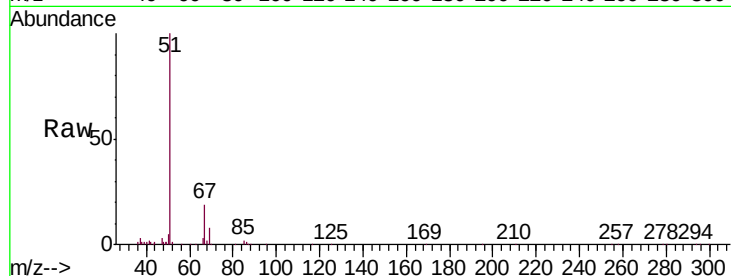




#3
 Chlorodifluoromethane
 Concen: 1.844 ppbv
 RT: 2.99 min Scan# 17
 Delta R.T. 0.00 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

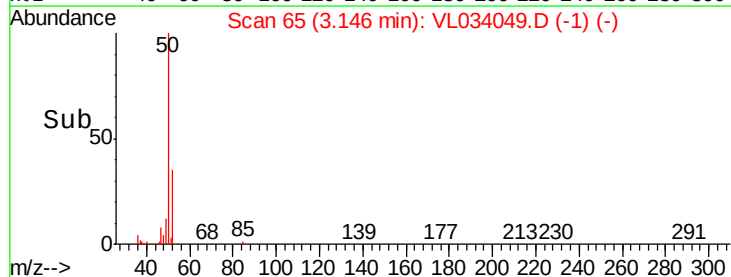
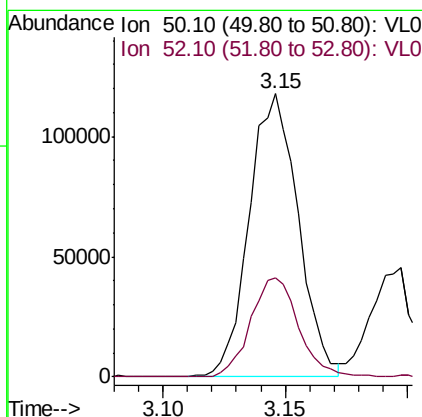
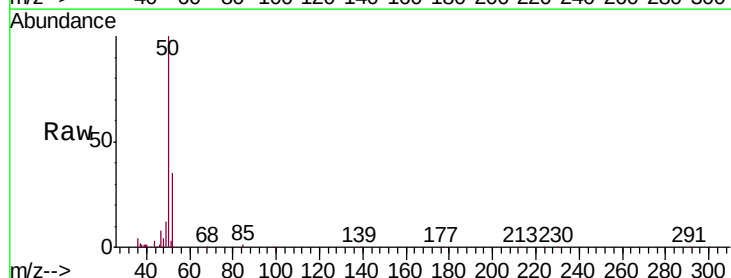
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

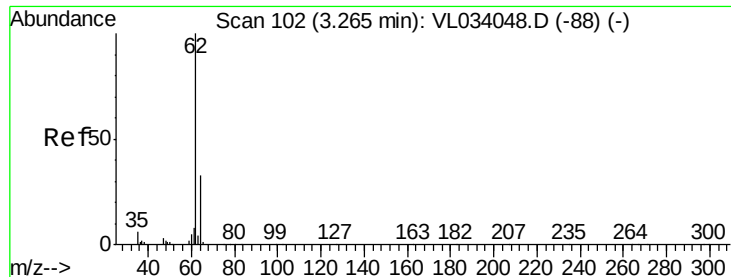
Tgt Ion: 51 Resp: 287258
 Ion Ratio Lower Upper
 51 100
 67 19.9 17.4 26.0



#4
 Chloromethane
 Concen: 1.788 ppbv
 RT: 3.15 min Scan# 65
 Delta R.T. 0.00 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

Tgt Ion: 50 Resp: 163755
 Ion Ratio Lower Upper
 50 100
 52 35.4 26.7 40.1





#5

Vinyl Chloride

Concen: 1.740 ppbv

RT: 3.26 min Scan# 102

Delta R.T. 0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Instrument :

MSVOA_L

ClientSampleId :

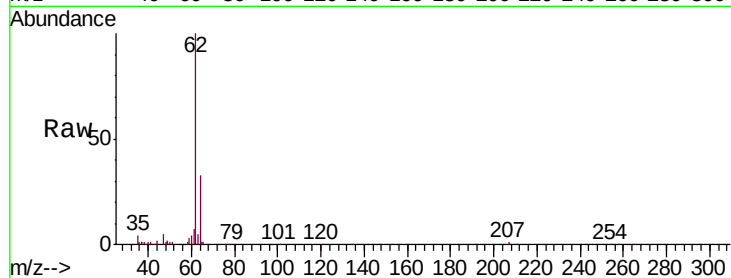
VSTDIC002

Tgt Ion: 62 Resp: 177261

Ion Ratio Lower Upper

62 100

64 32.5 26.5 39.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

150000

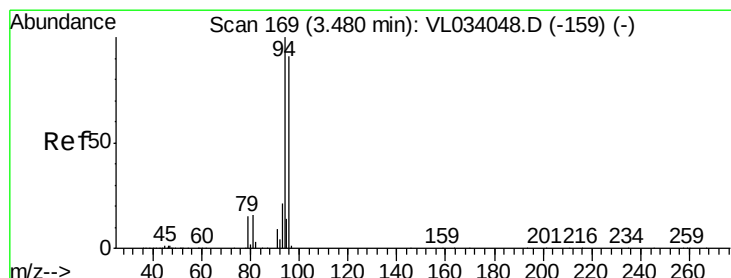
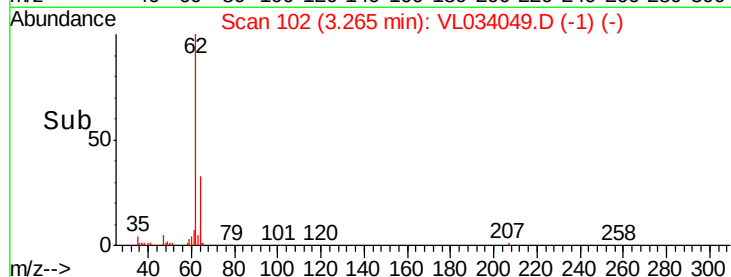
100000

50000

0

3.25 3.30

Time-->



#6

Bromomethane

Concen: 1.810 ppbv

RT: 3.48 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL034049.D

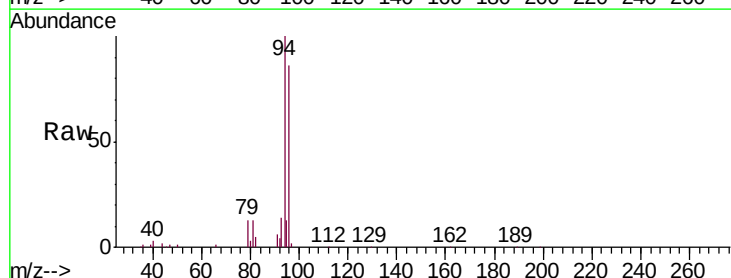
Acq: 30 Jul 2019 2:48

Tgt Ion: 94 Resp: 111864

Ion Ratio Lower Upper

94 100

96 85.5 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.48

100000

80000

60000

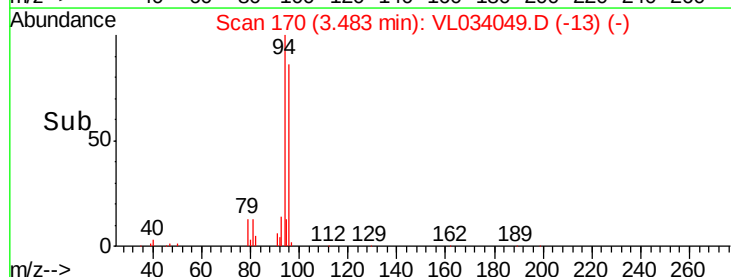
40000

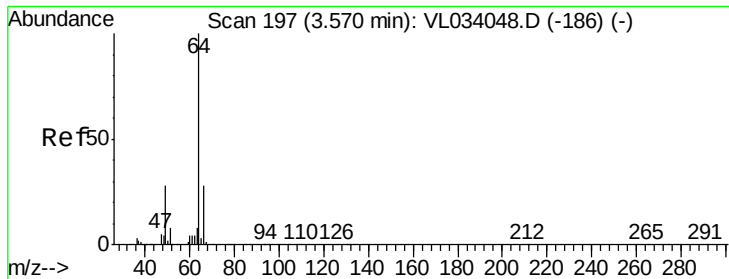
20000

0

3.45 3.50

Time-->





#7

Chloroethane

Concen: 1.860 ppbv

RT: 3.57 min Scan# 198

Delta R.T. 0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Instrument :

MSVOA_L

ClientSampleId :

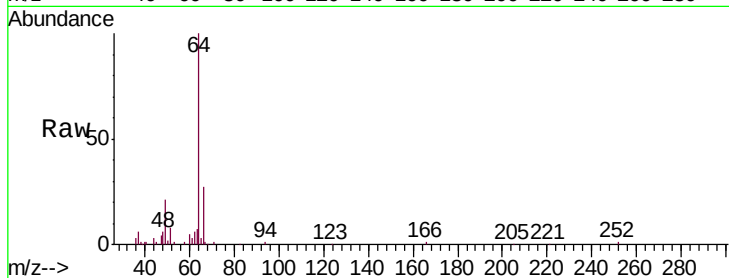
VSTDIC002

Tgt Ion: 64 Resp: 70032

Ion Ratio Lower Upper

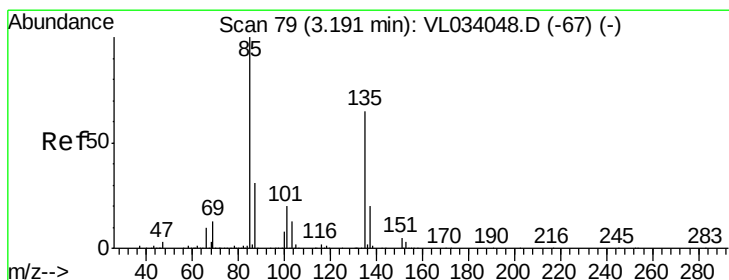
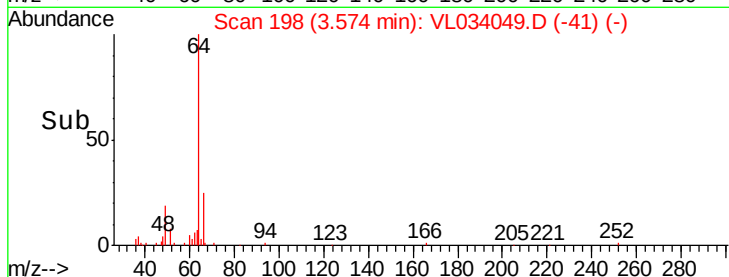
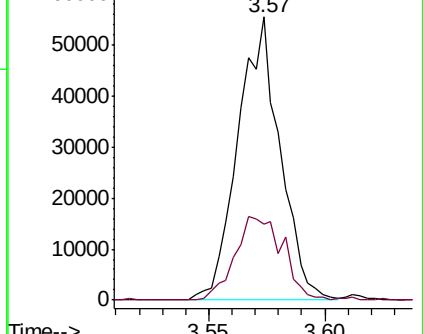
64 100

66 26.9 22.0 33.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.817 ppbv

RT: 3.19 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL034049.D

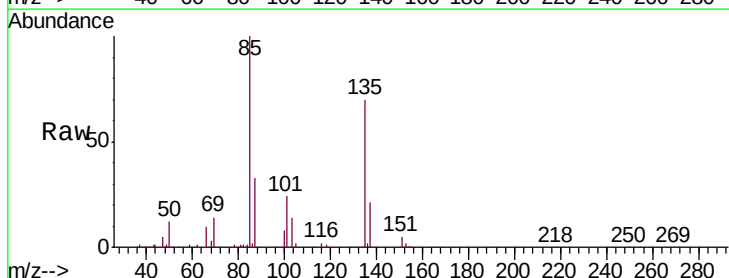
Acq: 30 Jul 2019 2:48

Tgt Ion: 85 Resp: 470958

Ion Ratio Lower Upper

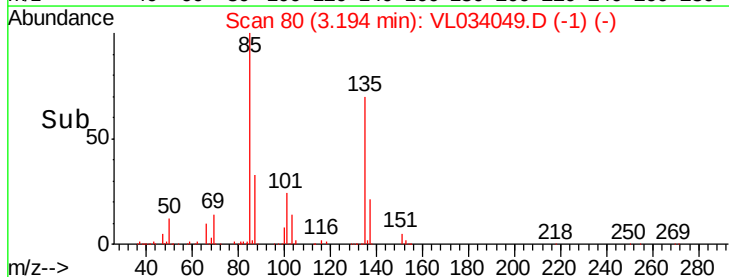
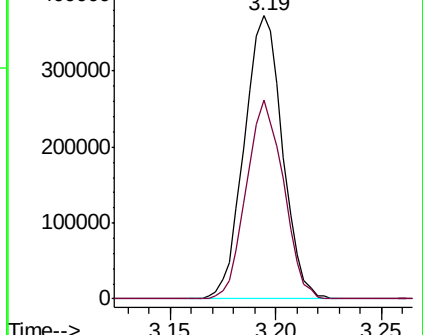
85 100

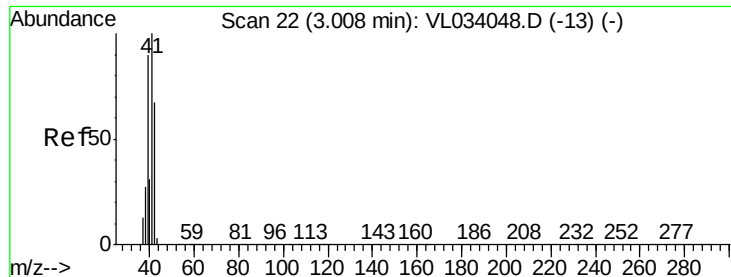
135 68.5 54.1 81.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.827 ppbv

RT: 3.01 min Scan# 23

Delta R.T. 0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Instrument :

MSVOA_L

ClientSampleId :

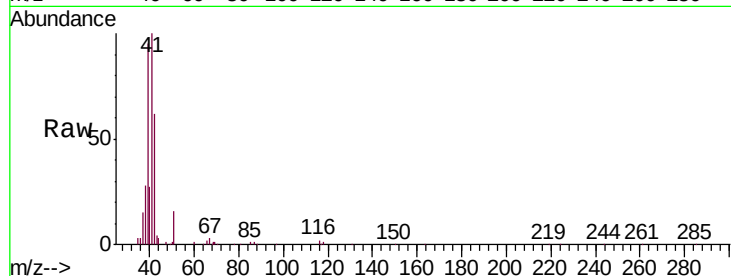
VSTDIC002

Tgt Ion: 41 Resp: 104628

Ion Ratio Lower Upper

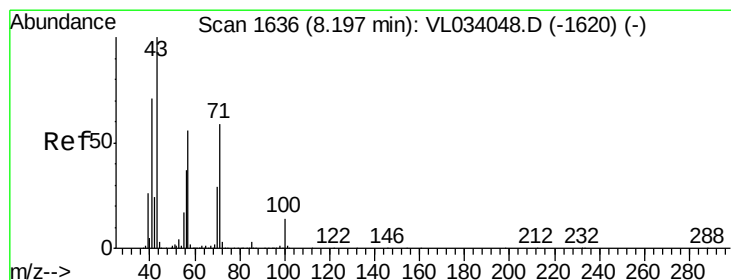
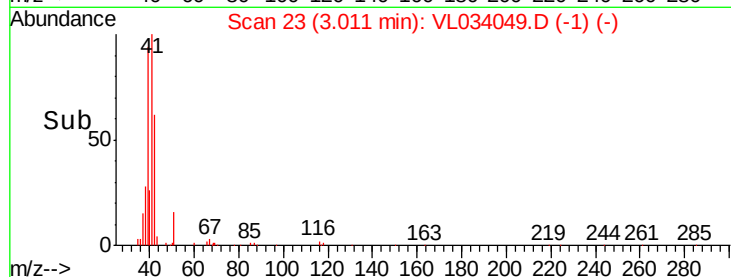
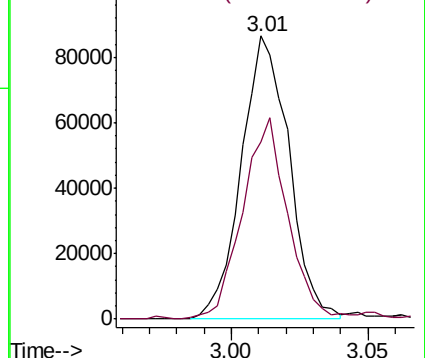
41 100

42 69.8 55.4 83.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 2.136 ppbv

RT: 8.19 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VL034049.D

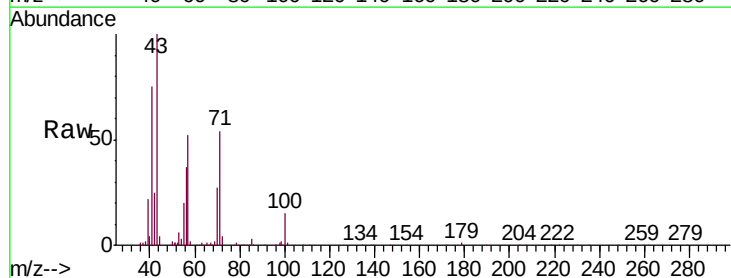
Acq: 30 Jul 2019 2:48

Tgt Ion: 43 Resp: 295519

Ion Ratio Lower Upper

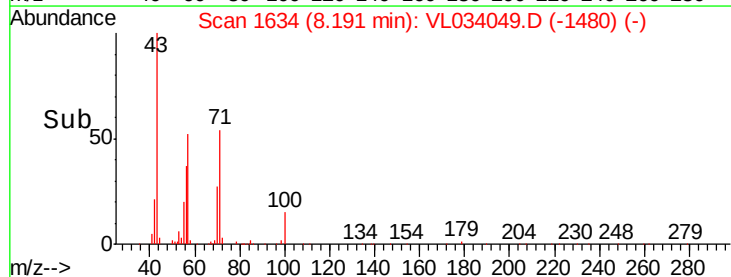
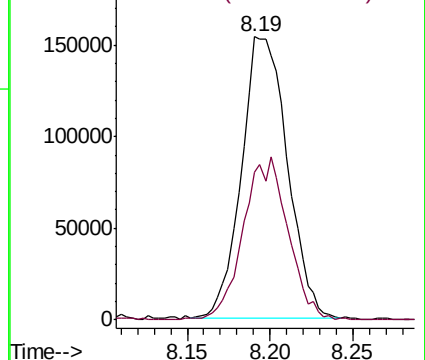
43 100

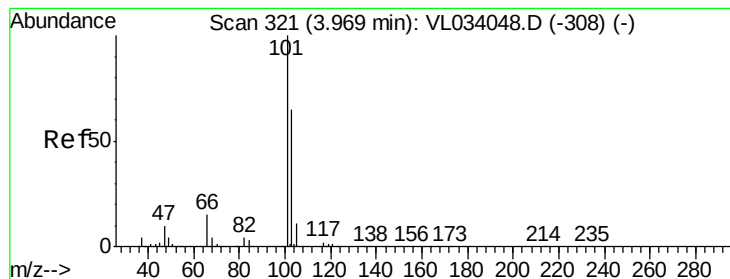
57 56.6 44.8 67.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

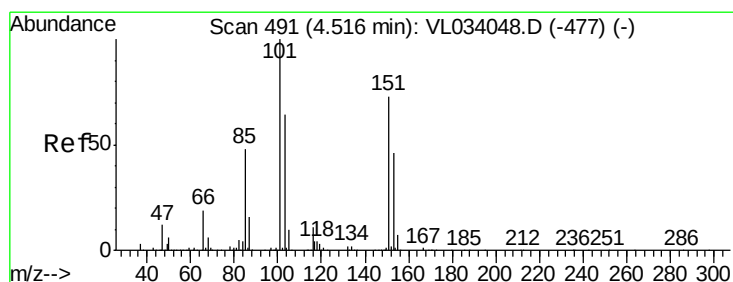
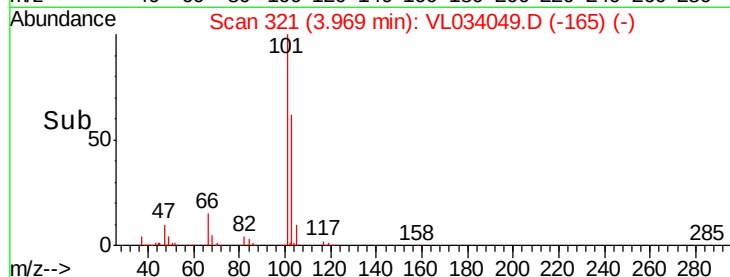
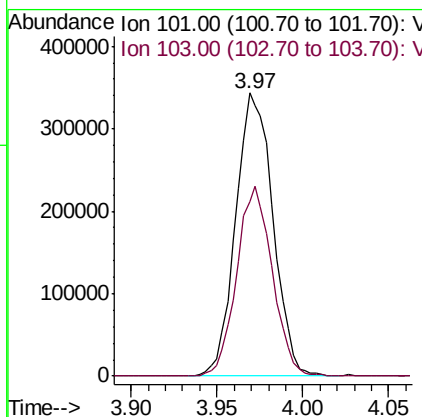
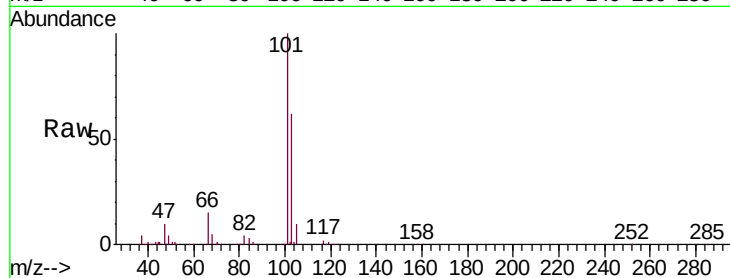




#11
 Trichlorofluoromethane
 Concen: 1.721 ppbv
 RT: 3.97 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

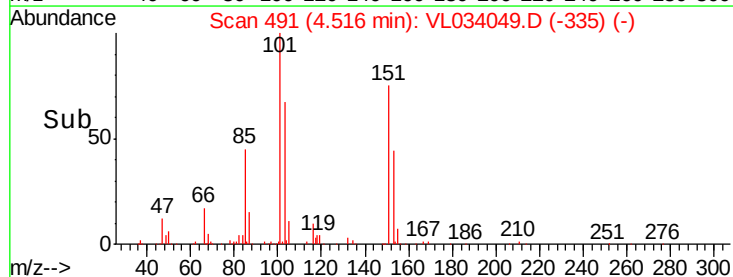
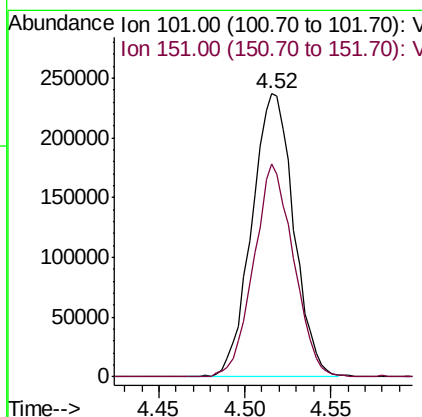
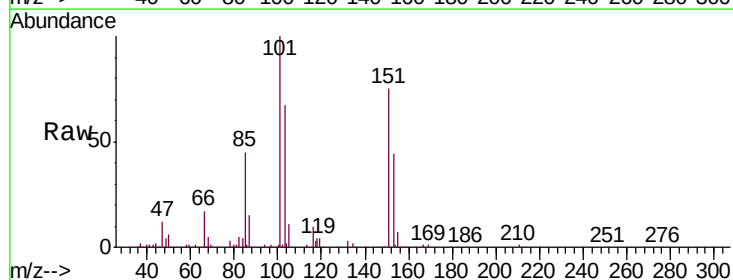
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

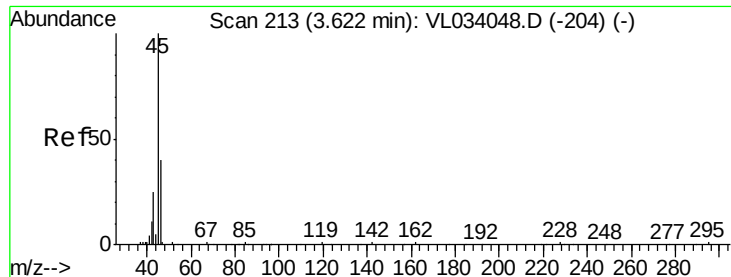
Tgt Ion:101 Resp: 518137
 Ion Ratio Lower Upper
 101 100
 103 61.7 52.3 78.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.994 ppbv
 RT: 4.52 min Scan# 491
 Delta R.T. 0.00 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

Tgt Ion:101 Resp: 399449
 Ion Ratio Lower Upper
 101 100
 151 72.0 57.3 85.9





#13

Ethanol

Concen: 2.561 ppbv

RT: 3.62 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Instrument :

MSVOA_L

ClientSampleId :

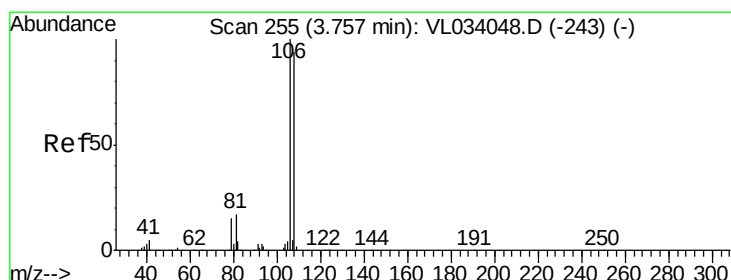
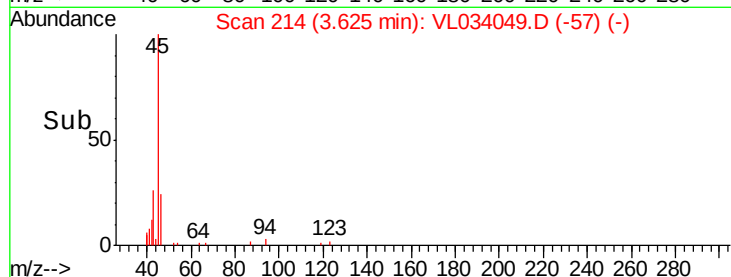
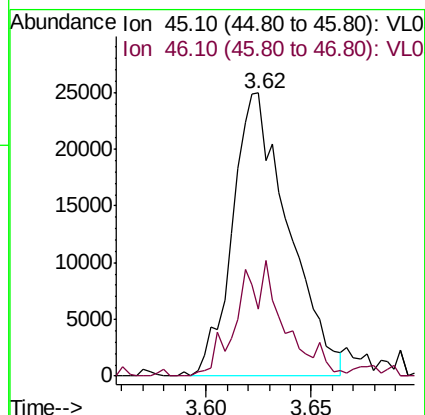
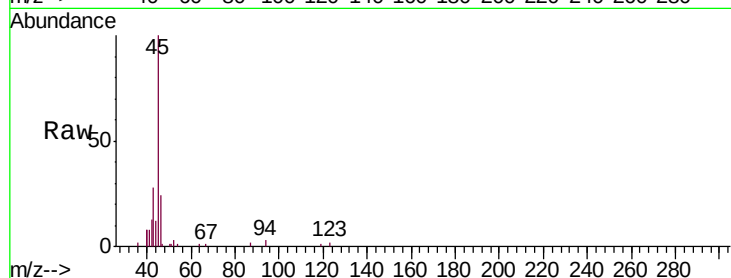
VSTDIC002

Tgt Ion: 45 Resp: 46087

Ion Ratio Lower Upper

45 100

46 34.1 15.6 62.2



#14

Bromoethene

Concen: 1.878 ppbv

RT: 3.76 min Scan# 255

Delta R.T. 0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

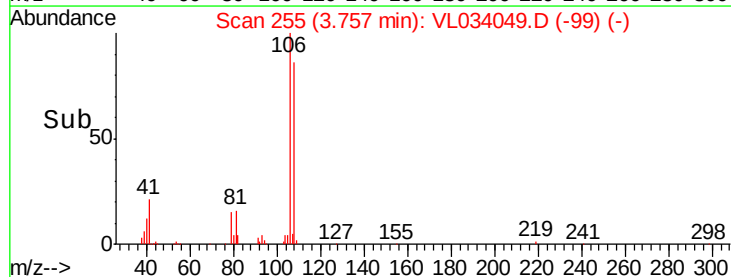
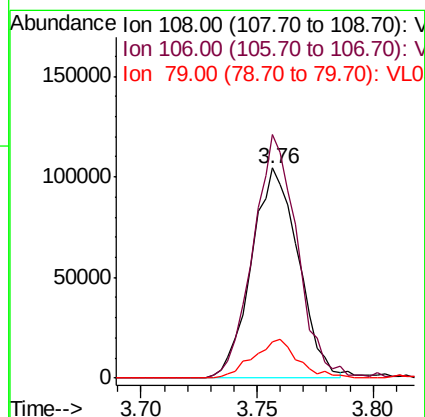
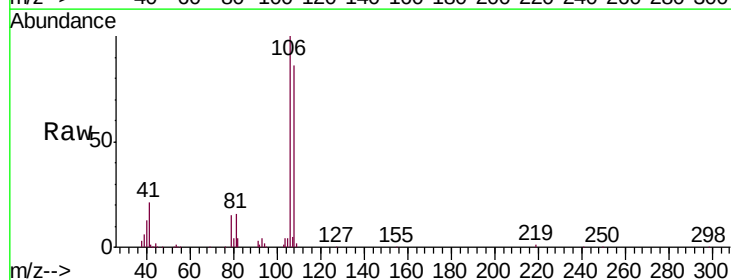
Tgt Ion: 108 Resp: 146878

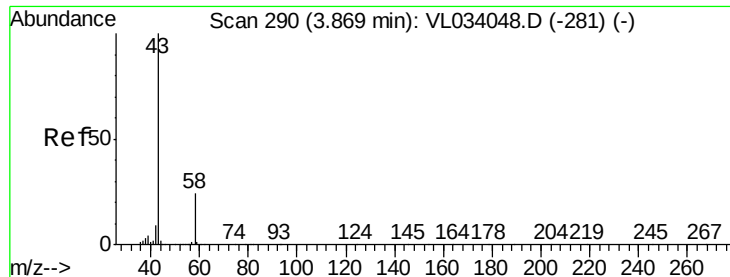
Ion Ratio Lower Upper

108 100

106 110.3 86.2 129.2

79 17.5 13.7 20.5

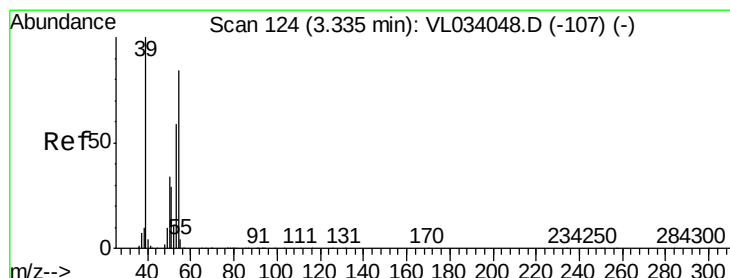
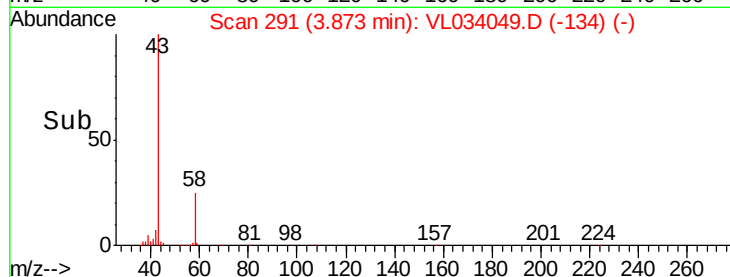
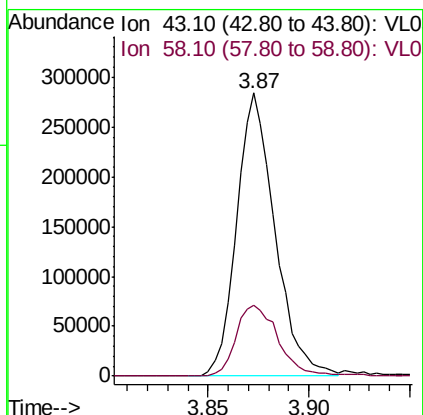
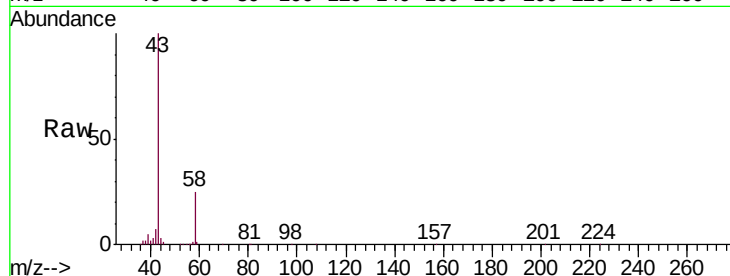




#15
Acetone
Concen: 1.743 ppbv
RT: 3.87 min Scan# 291
Delta R.T. 0.00 min
Lab File: VL034049.D
Acq: 30 Jul 2019 2:48

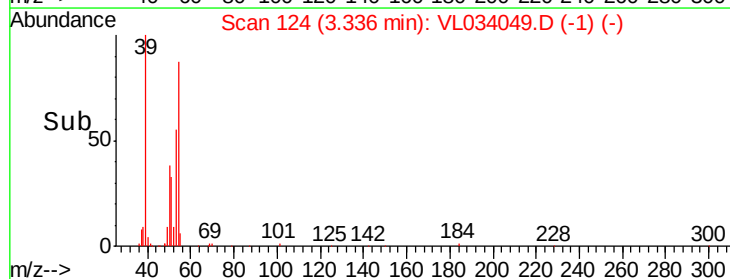
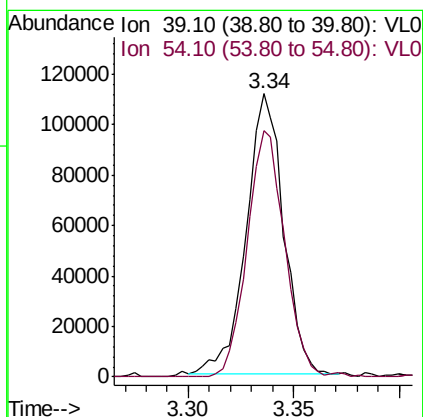
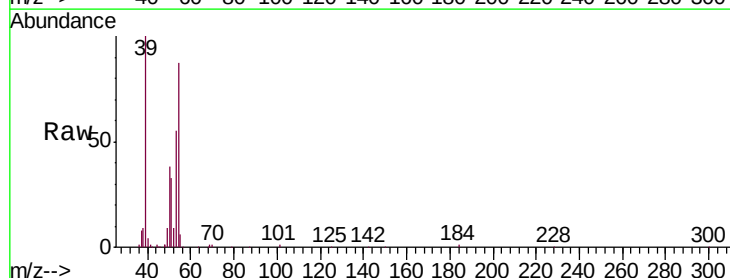
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

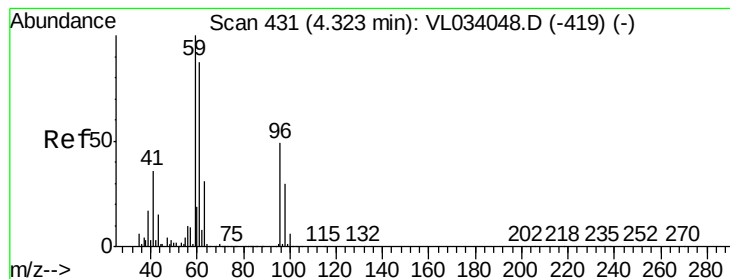
Tgt Ion: 43 Resp: 378747
Ion Ratio Lower Upper
43 100
58 27.9 21.6 32.4



#16
1,3-Butadiene
Concen: 1.742 ppbv
RT: 3.34 min Scan# 124
Delta R.T. 0.00 min
Lab File: VL034049.D
Acq: 30 Jul 2019 2:48

Tgt Ion: 39 Resp: 136913
Ion Ratio Lower Upper
39 100
54 88.6 68.9 103.3





#17

tert-Butyl alcohol

Concen: 1.981 ppbv

RT: 4.33 min Scan# 432

Delta R.T. 0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Instrument :

MSVOA_L

ClientSampleId :

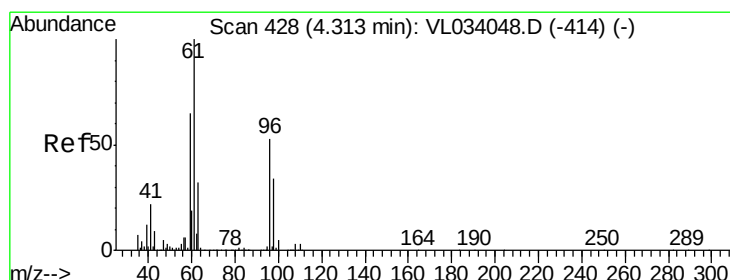
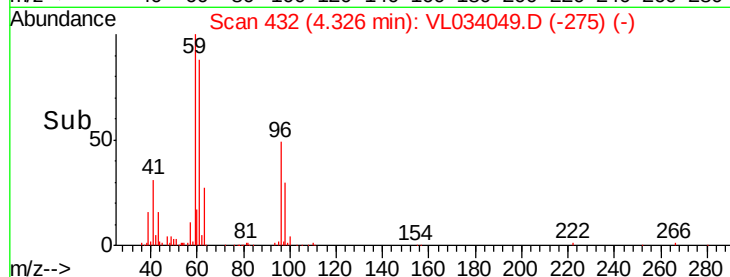
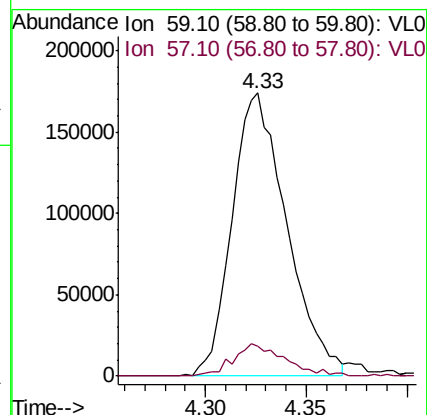
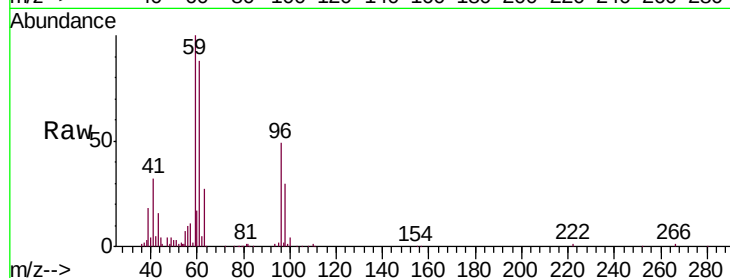
VSTDIC002

Tgt Ion: 59 Resp: 327913

Ion Ratio Lower Upper

59 100

57 11.1 8.2 12.4



#18

1,1-Dichloroethene

Concen: 1.994 ppbv

RT: 4.32 min Scan# 429

Delta R.T. 0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

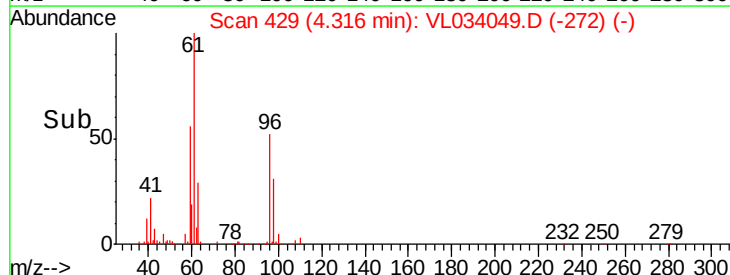
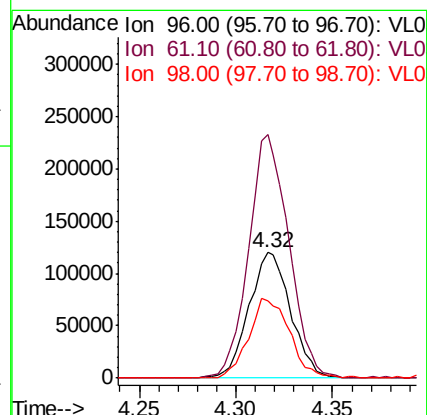
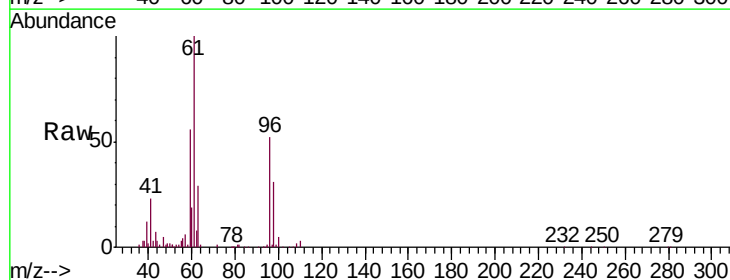
Tgt Ion: 96 Resp: 179043

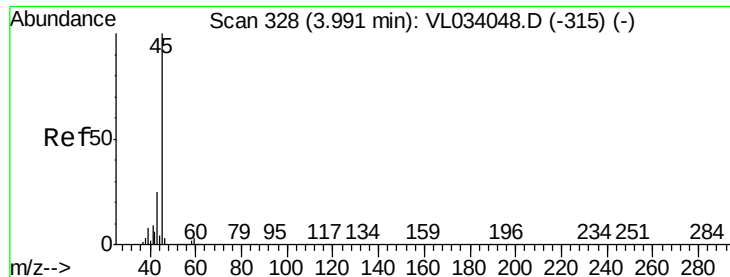
Ion Ratio Lower Upper

96 100

61 194.3 151.5 227.3

98 61.2 52.2 78.2





#19

Isopropyl Alcohol

Concen: 1.599 ppbv

RT: 3.99 min Scan# 329

Delta R.T. 0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Instrument :

MSVOA_L

ClientSampleId :

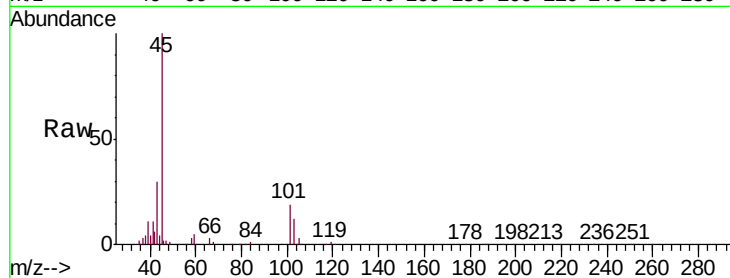
VSTDIC002

Tgt Ion: 45 Resp: 233518

Ion Ratio Lower Upper

45 100

58 3.9 1.8 2.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.99

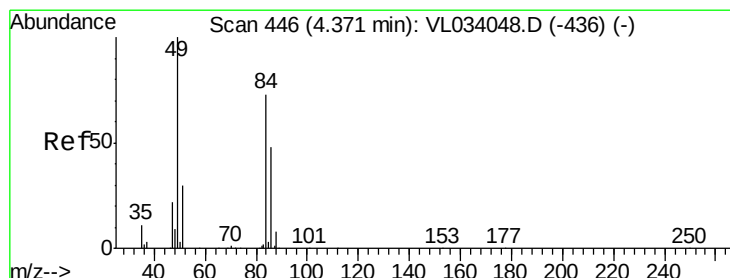
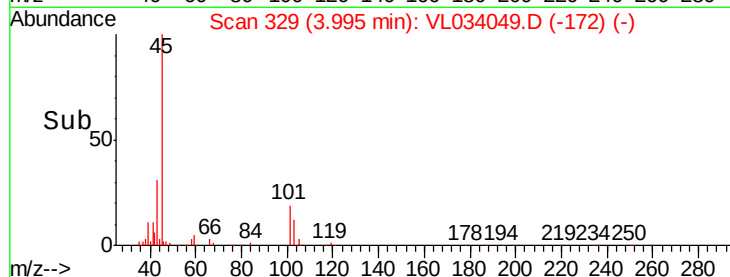
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 1.712 ppbv

RT: 4.37 min Scan# 446

Delta R.T. 0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Tgt Ion: 84 Resp: 153196

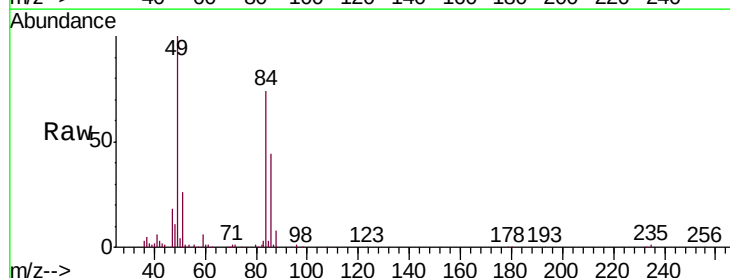
Ion Ratio Lower Upper

84 100

49 133.7 109.6 164.4

51 35.5 33.4 50.2

86 59.3 52.6 78.8



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

200000

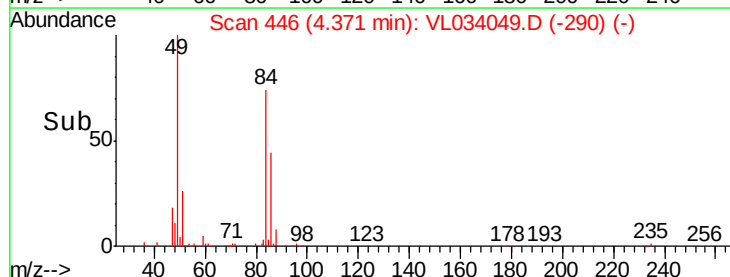
150000

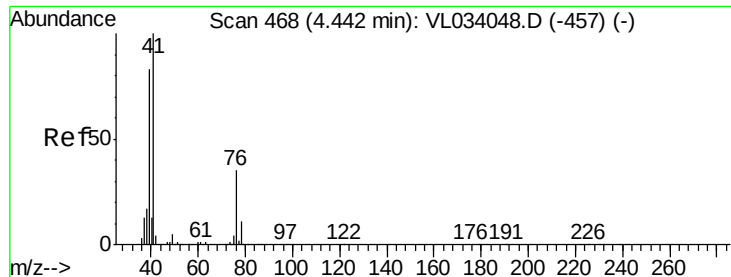
100000

50000

0

Time-->

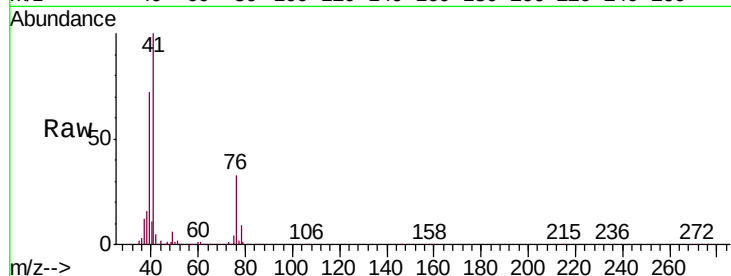




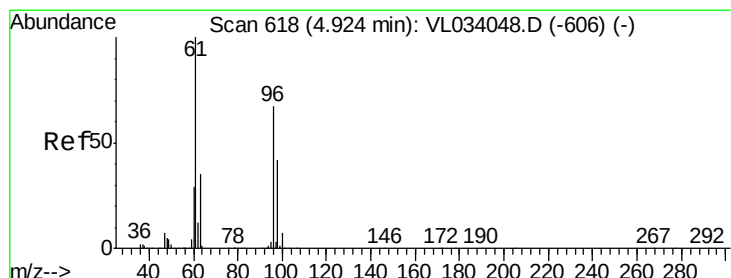
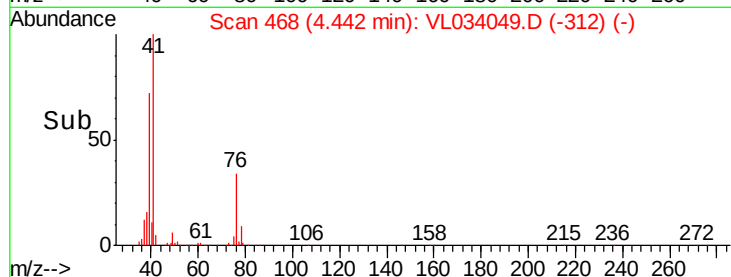
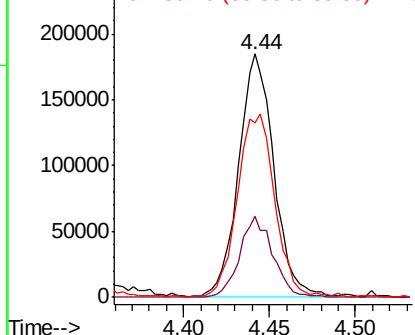
#21
 Allyl Chloride
 Concen: 2.058 ppbv
 RT: 4.44 min Scan# 468
 Delta R.T. 0.00 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion	Ratio	Lower	Upper
41	100		
76	31.1	26.1	39.1
39	80.7	65.0	97.6

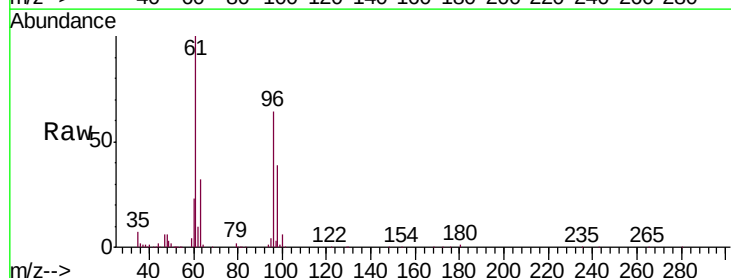


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

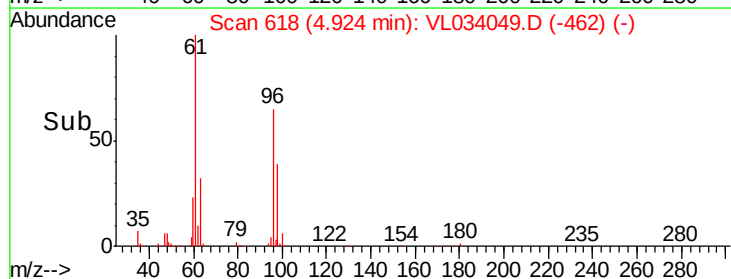
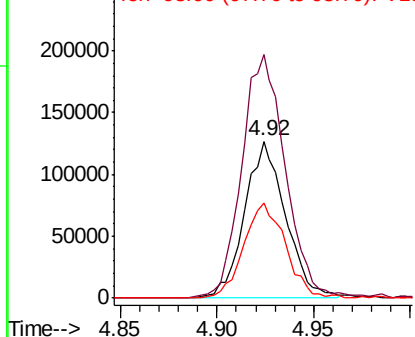


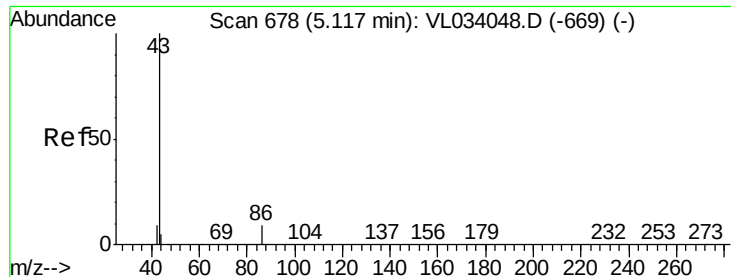
#22
 trans-1,2-Dichloroethene
 Concen: 2.185 ppbv
 RT: 4.92 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.3	118.6	177.8
98	60.3	49.7	74.5



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

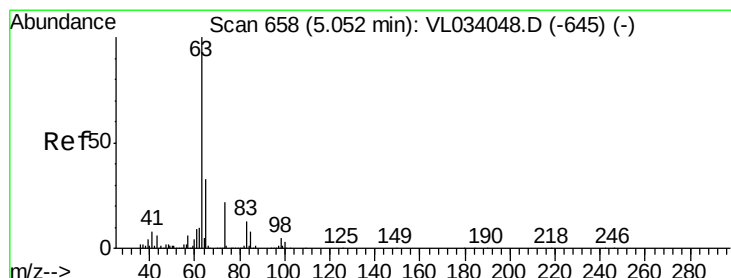
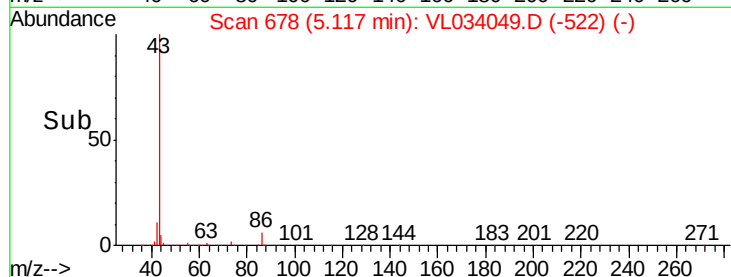
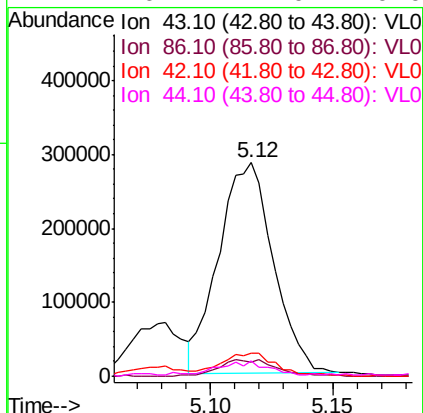
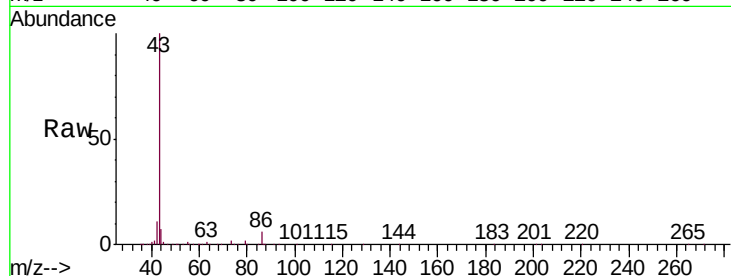




#23
 Vinyl Acetate
 Concen: 2.180 ppbv
 RT: 5.12 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

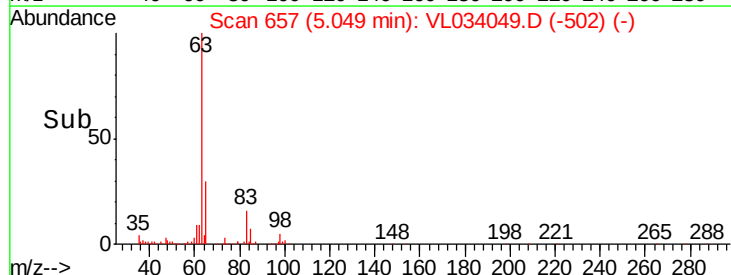
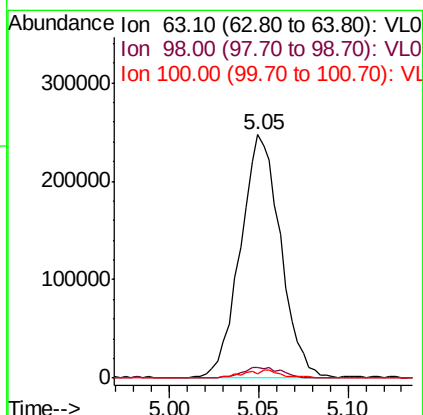
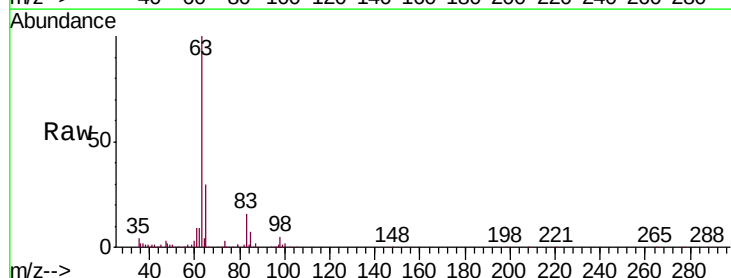
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

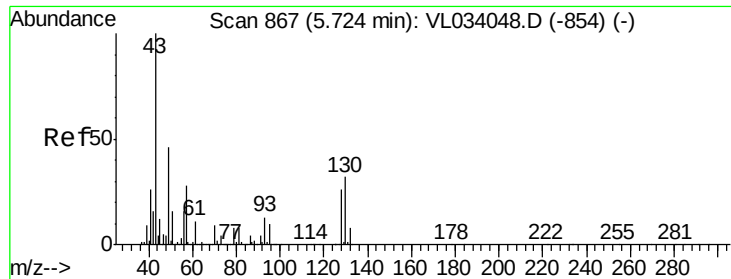
Tgt Ion:	43	Resp:	445554
Ion	Ratio	Lower	Upper
43	100		
86	5.9	6.5	9.7#
42	10.6	8.3	12.5
44	6.4	4.0	6.0#



#24
 1,1-Dichloroethane
 Concen: 2.115 ppbv
 RT: 5.05 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

Tgt Ion:	63	Resp:	386950
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.4	7.2
100	1.7	1.3	3.9

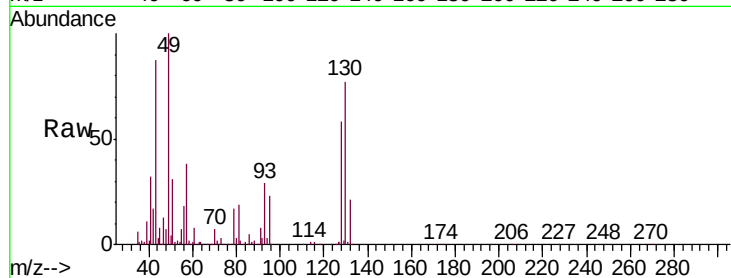




#25
Ethyl Acetate
Concen: 2.139 ppbv
RT: 5.73 min Scan# 869
Delta R.T. 0.01 min
Lab File: VL034049.D
Acq: 30 Jul 2019 2:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:	43	Resp:	603535
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	10.1	8.1	12.1
70	8.1	6.3	9.5



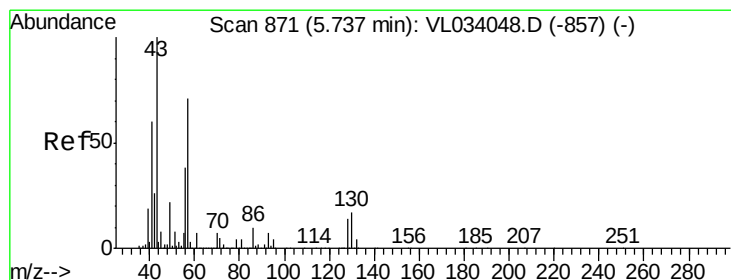
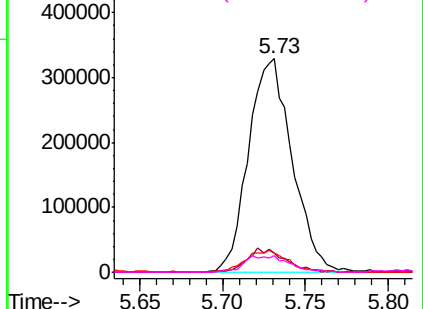
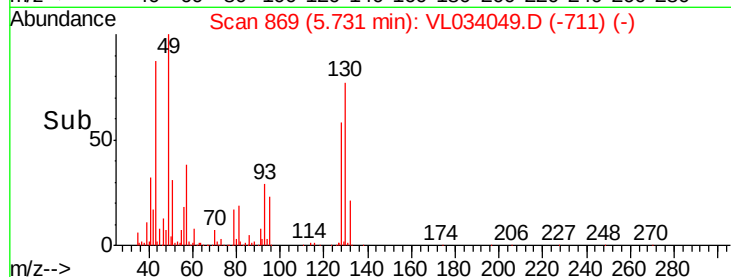
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

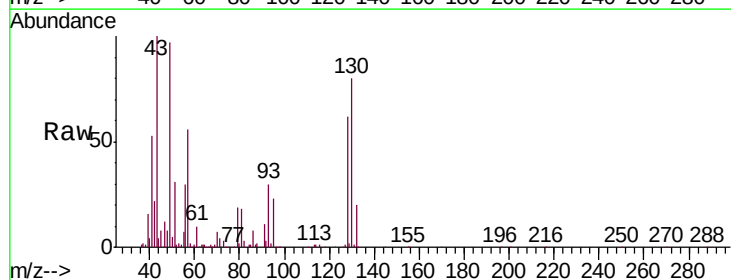
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 2.060 ppbv
RT: 5.73 min Scan# 870
Delta R.T. -0.00 min
Lab File: VL034049.D
Acq: 30 Jul 2019 2:48

Tgt Ion:	57	Resp:	266336
Ion	Ratio	Lower	Upper
57	100		
41	92.9	69.0	103.6
43	228.3	176.6	264.8
56	53.5	42.2	63.4



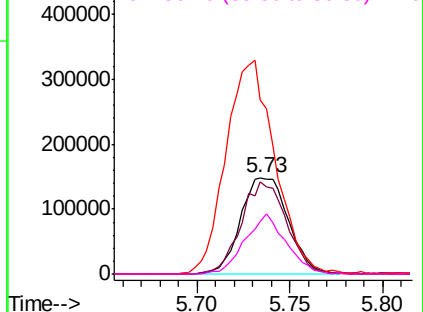
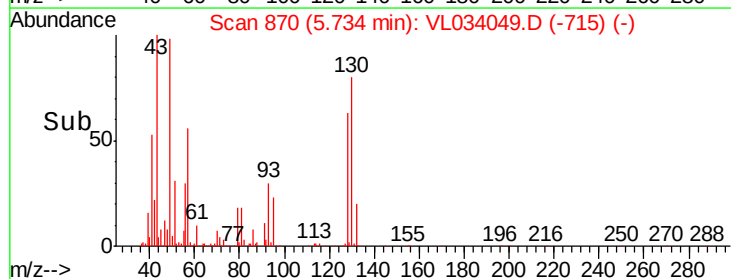
Abundance

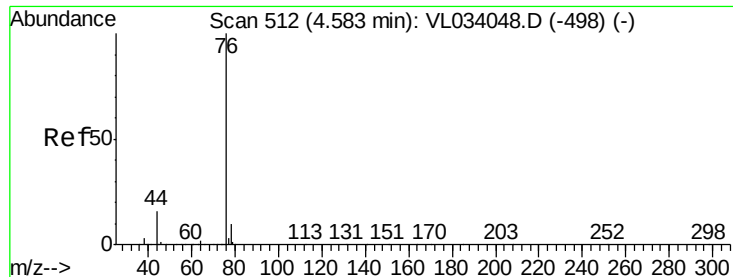
Ion 57.10 (56.80 to 57.80): VL0

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: 2.014 ppbv

RT: 4.58 min Scan# 512

Delta R.T. 0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

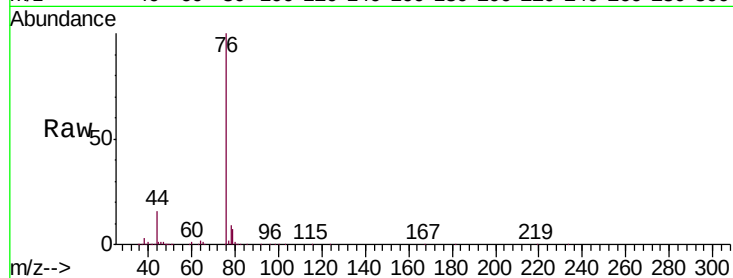
Tgt Ion: 76 Resp: 438361

Ion Ratio Lower Upper

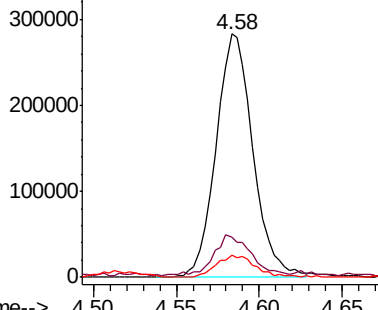
76 100

44 19.0 13.0 19.4

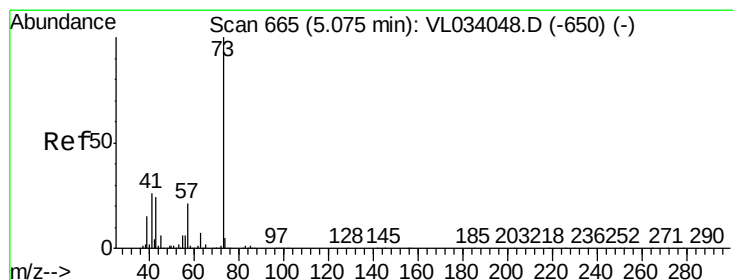
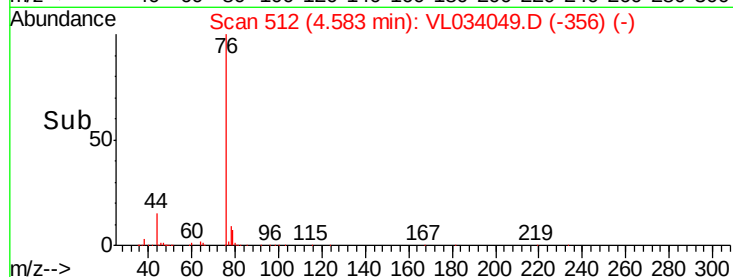
78 9.8 7.7 11.5



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



Time-->



#28

Methyl tert-Butyl Ether

Concen: 2.179 ppbv

RT: 5.08 min Scan# 666

Delta R.T. 0.00 min

Lab File: VL034049.D

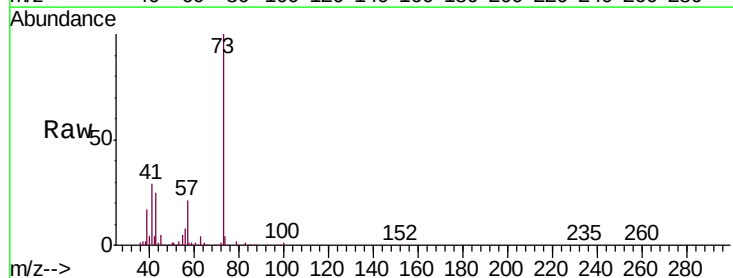
Acq: 30 Jul 2019 2:48

Tgt Ion: 73 Resp: 475286

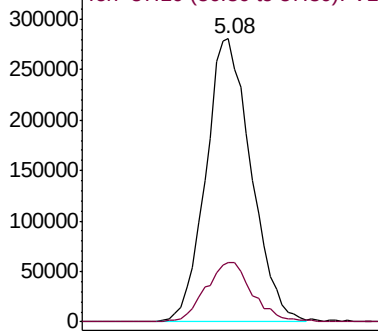
Ion Ratio Lower Upper

73 100

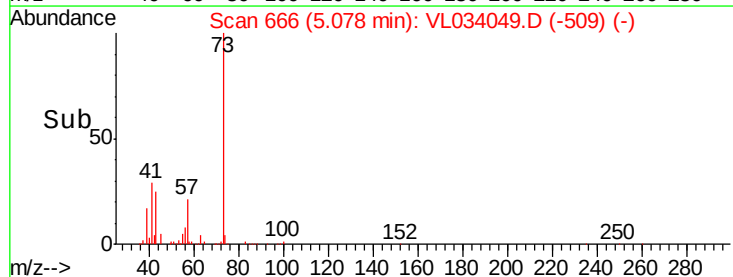
57 21.7 17.2 25.8

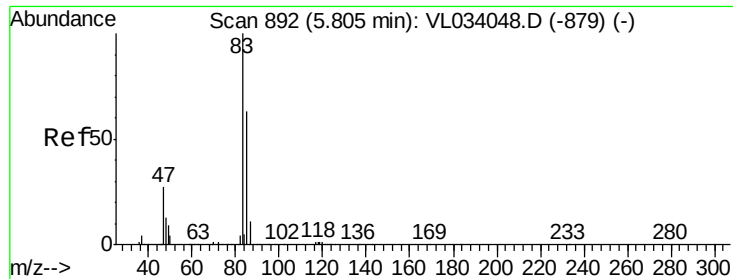


Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0



Time-->

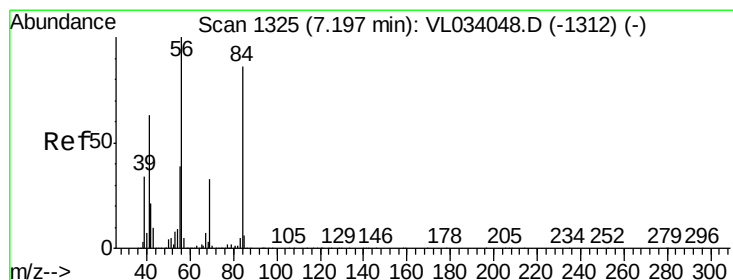
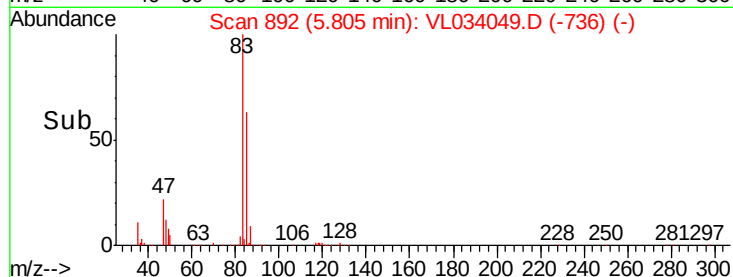
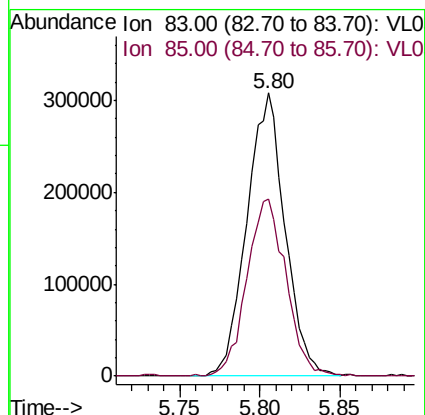
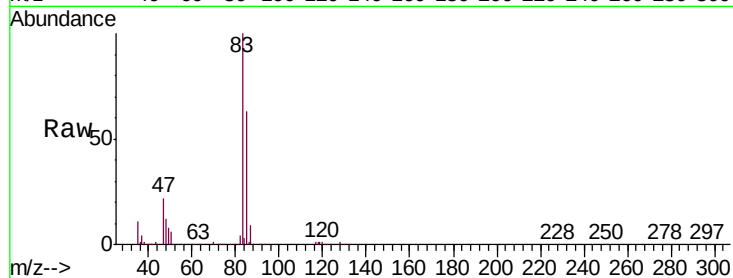




#29
Chloroform
Concen: 2.064 ppbv
RT: 5.80 min Scan# 892
Delta R.T. 0.00 min
Lab File: VL034049.D
Acq: 30 Jul 2019 2:48

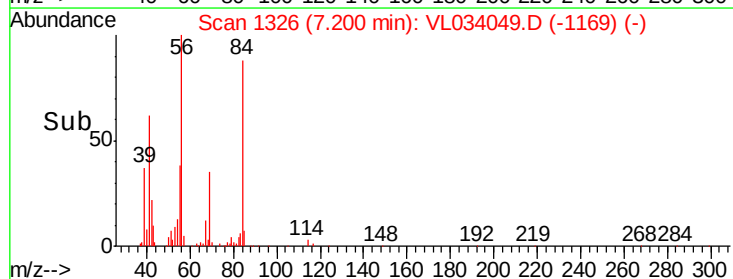
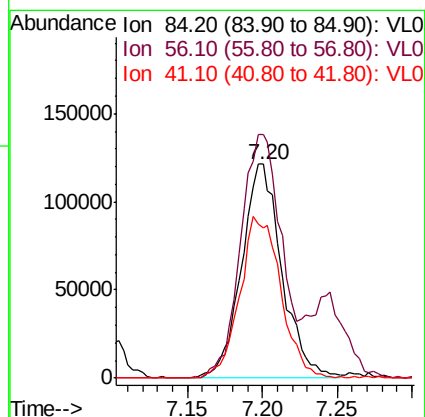
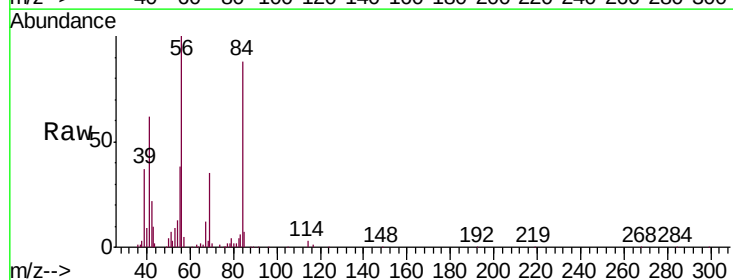
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

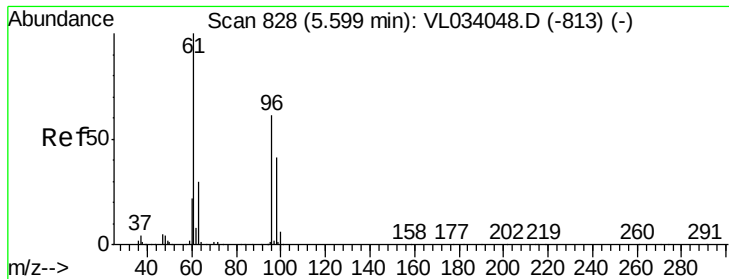
Tgt Ion: 83 Resp: 500544
Ion Ratio Lower Upper
83 100
85 62.3 50.2 75.4



#30
Cyclohexane
Concen: 2.152 ppbv
RT: 7.20 min Scan# 1326
Delta R.T. 0.00 min
Lab File: VL034049.D
Acq: 30 Jul 2019 2:48

Tgt Ion: 84 Resp: 227826
Ion Ratio Lower Upper
84 100
56 151.6 101.7 152.5
41 76.3 59.4 89.0



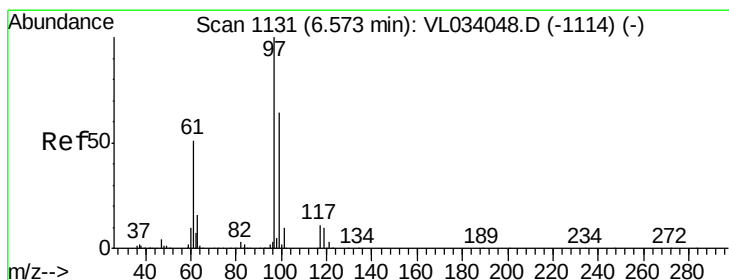
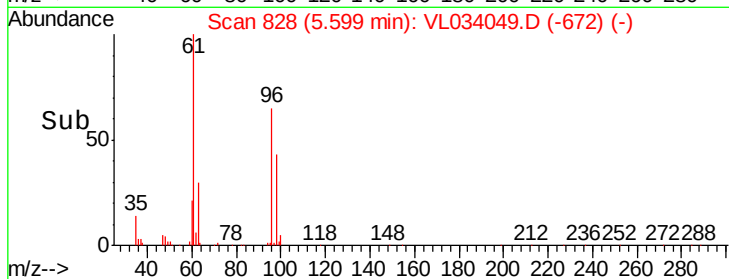
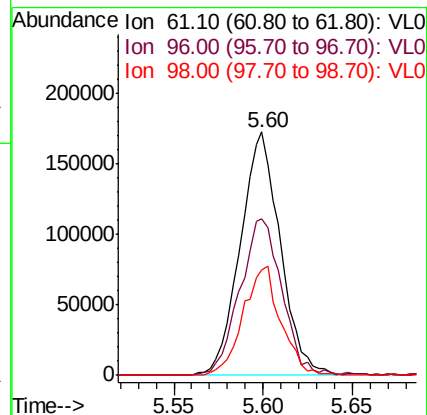
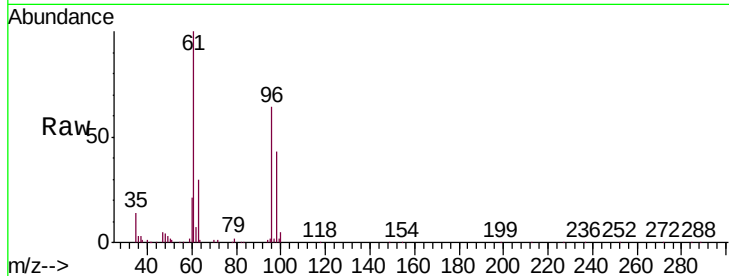


#31

cis-1,2-Dichloroethene
 Concen: 2.169 ppbv
 RT: 5.60 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

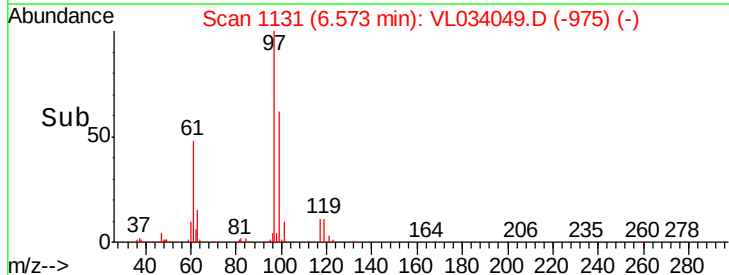
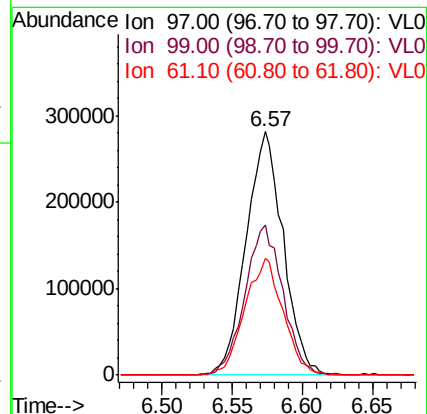
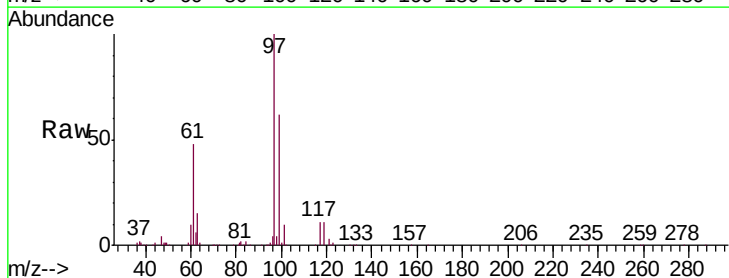
Tgt Ion:	61	Resp:	269750
Ion	Ratio	Lower	Upper
61	100		
96	64.0	49.1	73.7
98	43.2	32.5	48.7

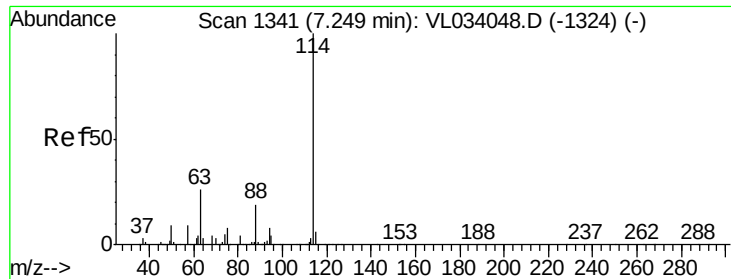


#32

1,1,1-Trichloroethane
 Concen: 2.115 ppbv
 RT: 6.57 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

Tgt Ion:	97	Resp:	519655
Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.0	76.6
61	49.5	39.5	59.3

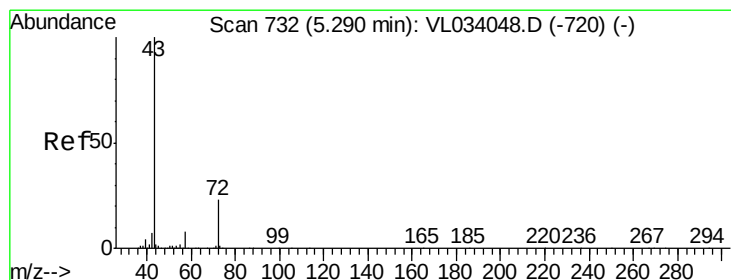
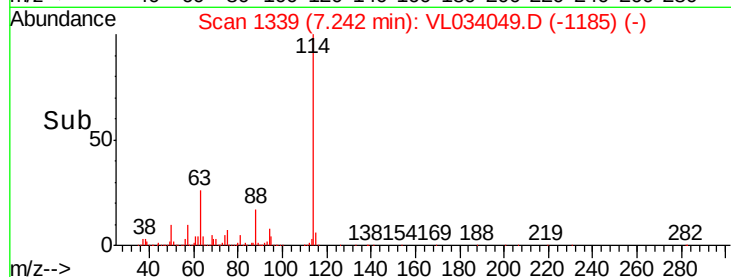
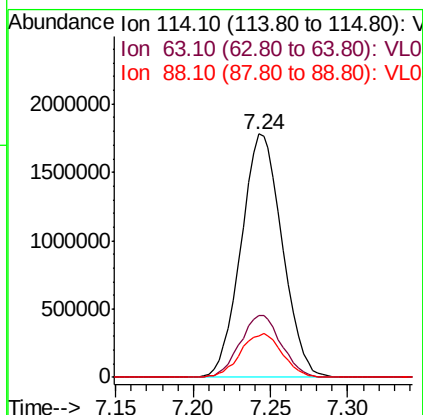
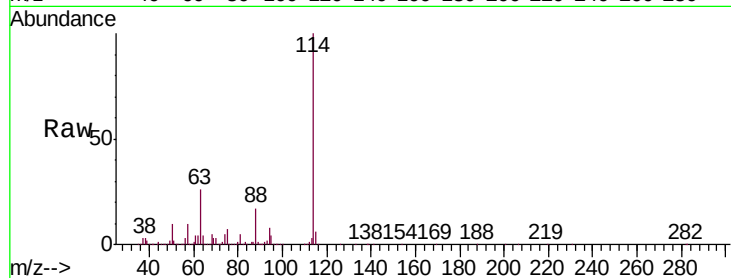




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.24 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

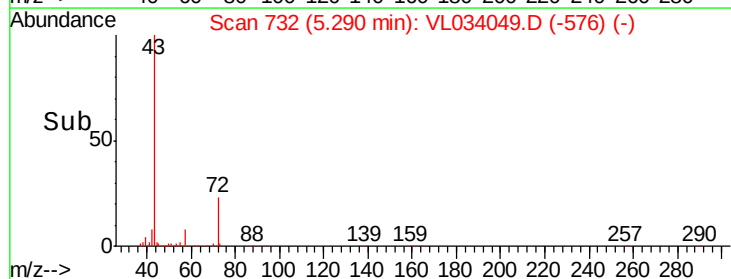
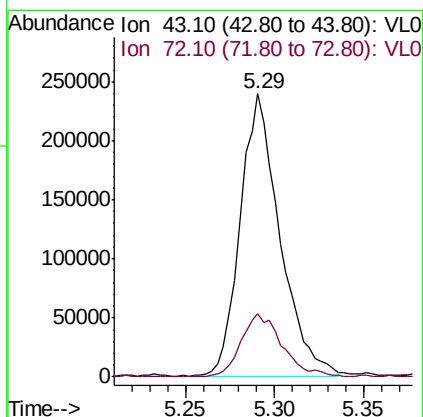
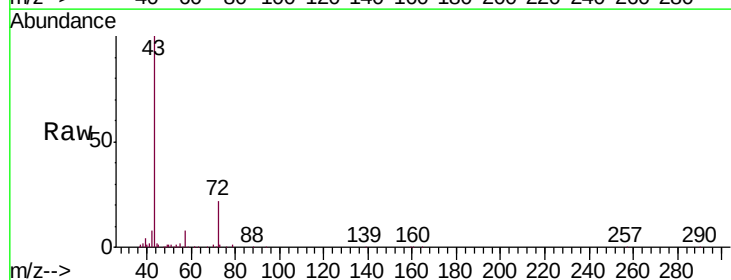
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

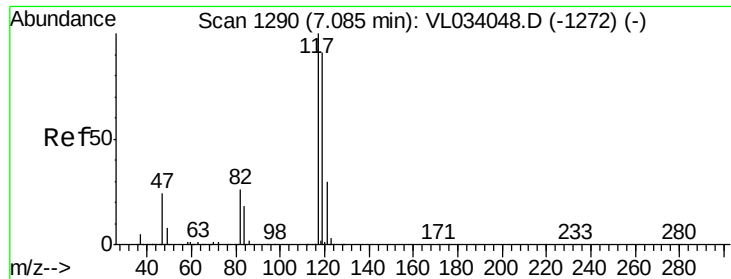
Tgt Ion: 114 Resp: 3291544
 Ion Ratio Lower Upper
 114 100
 63 25.7 21.0 31.6
 88 18.3 14.7 22.1



#34
 2-Butanone
 Concen: 2.258 ppbv
 RT: 5.29 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

Tgt Ion: 43 Resp: 368474
 Ion Ratio Lower Upper
 43 100
 72 23.6 20.2 30.4





#35

Carbon Tetrachloride

Concen: 2.149 ppbv

RT: 7.08 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

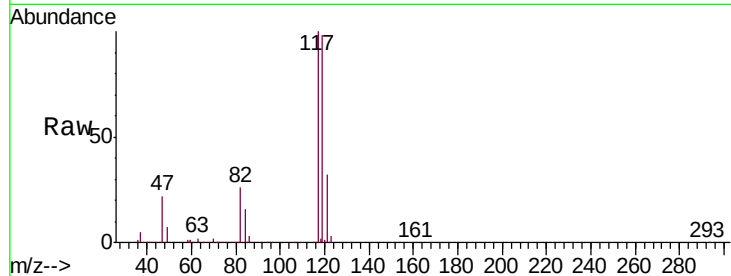
Tgt Ion: 117 Resp: 534163

Ion Ratio Lower Upper

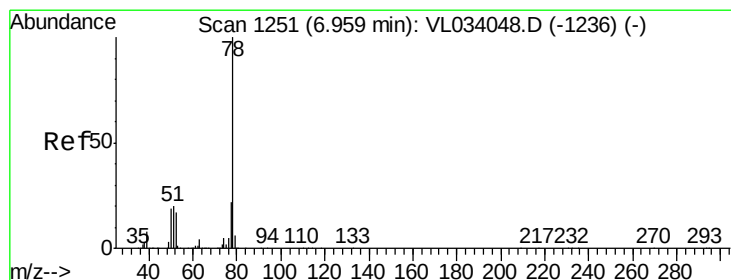
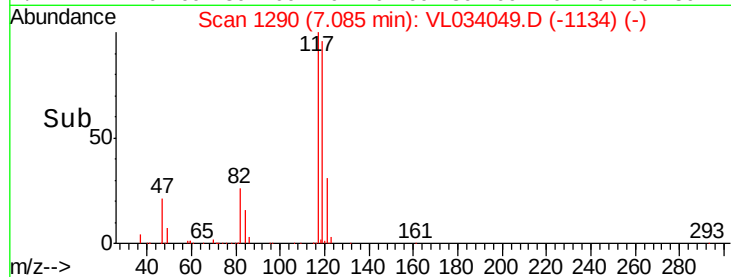
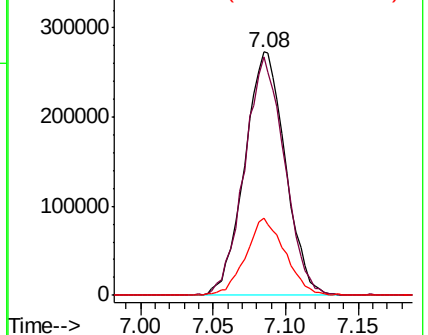
117 100

119 97.9 73.2 109.8

121 31.7 24.0 36.0



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 2.315 ppbv

RT: 6.96 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

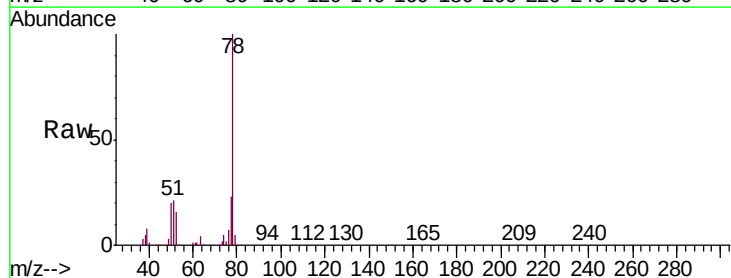
Tgt Ion: 78 Resp: 552861

Ion Ratio Lower Upper

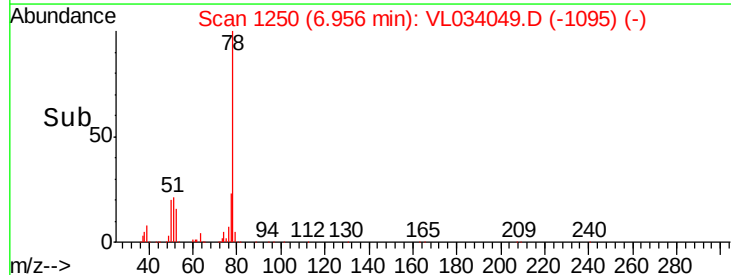
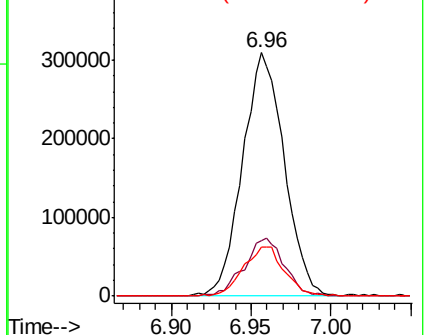
78 100

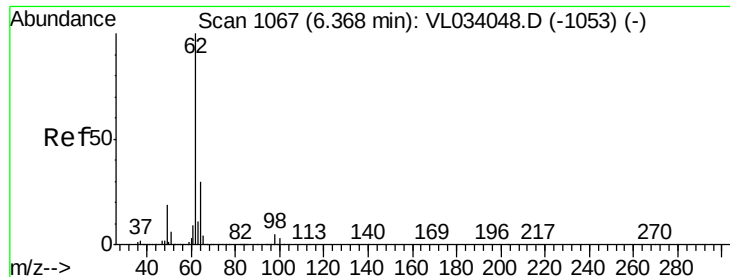
77 22.5 17.9 26.9

50 20.3 14.9 22.3



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

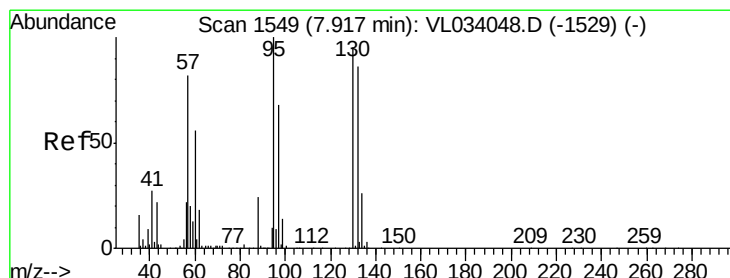
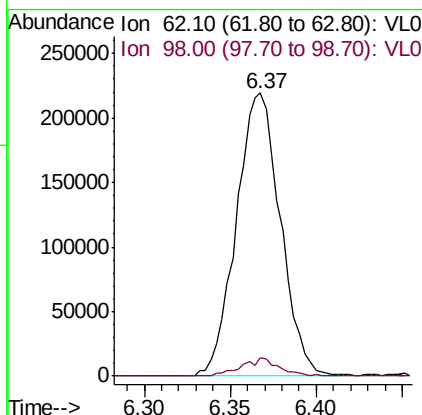
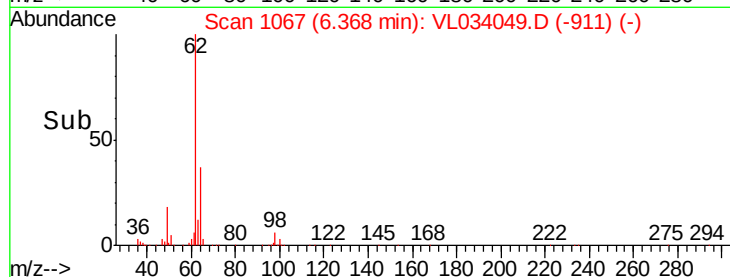
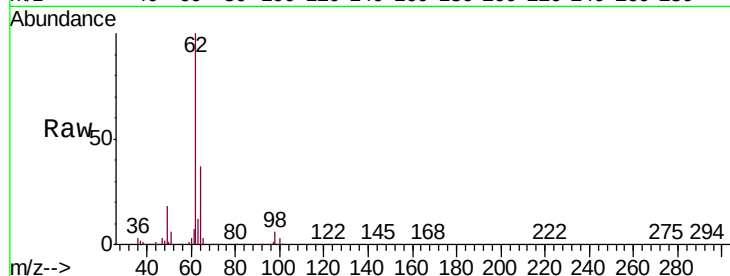




#37
 1,2-Dichloroethane
 Concen: 2.186 ppbv
 RT: 6.37 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

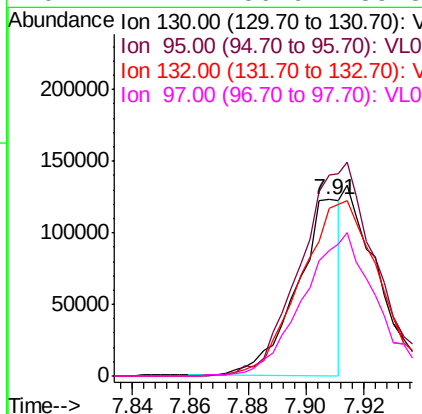
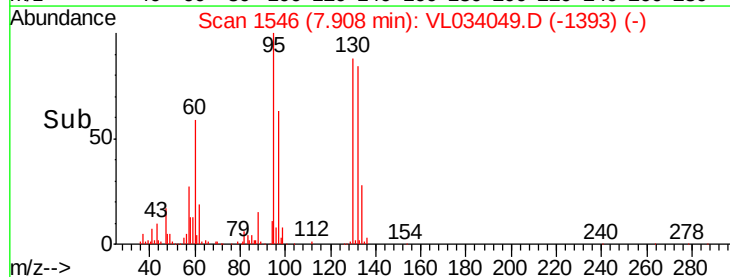
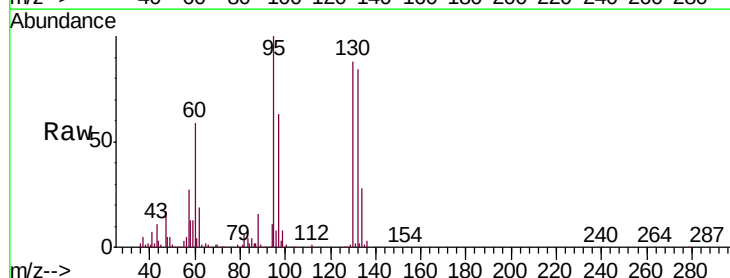
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

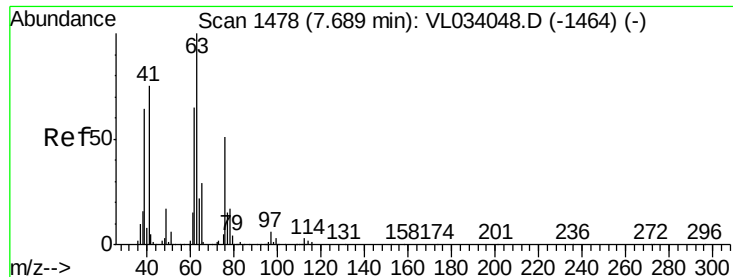
Tgt Ion: 62 Resp: 388810
 Ion Ratio Lower Upper
 62 100
 98 5.4 4.2 6.2



#38
 Trichloroethene
 Concen: 1.181 ppbv
 RT: 7.91 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

Tgt Ion: 130 Resp: 128424
 Ion Ratio Lower Upper
 130 100
 95 114.4 84.1 126.1
 132 95.6 72.7 109.1
 97 71.7 56.9 85.3

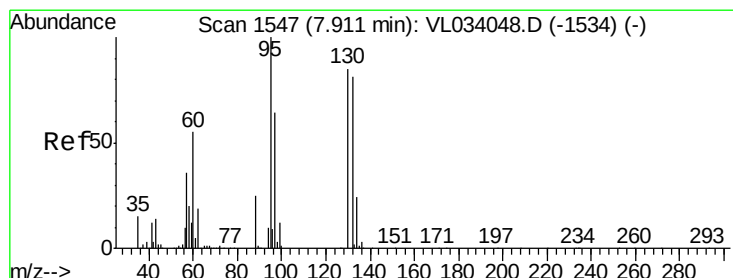
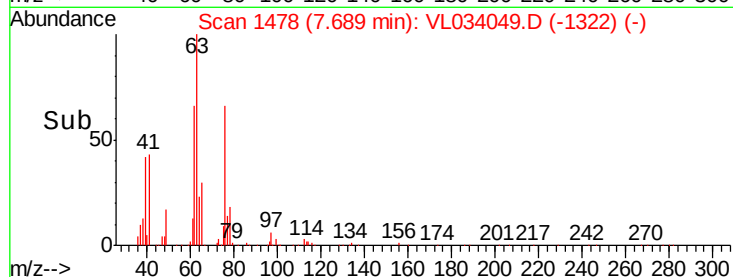
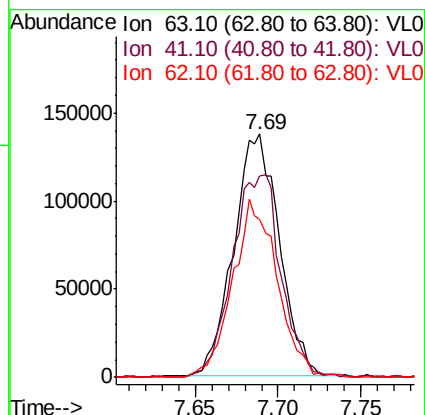
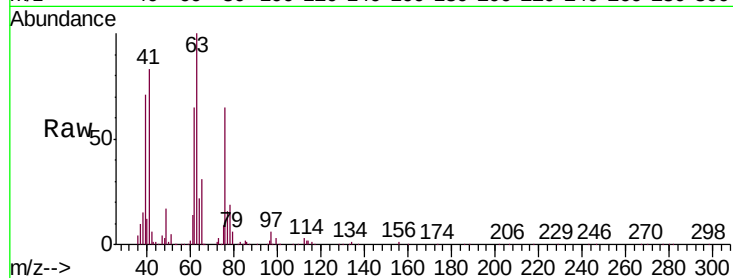




#39
 1,2-Dichloropropane
 Concen: 2.935 ppbv
 RT: 7.69 min Scan# 1478
 Delta R.T. 0.00 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

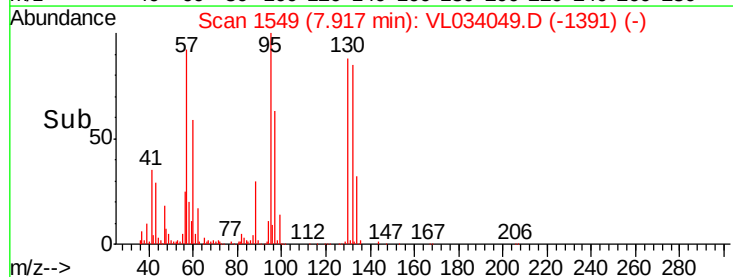
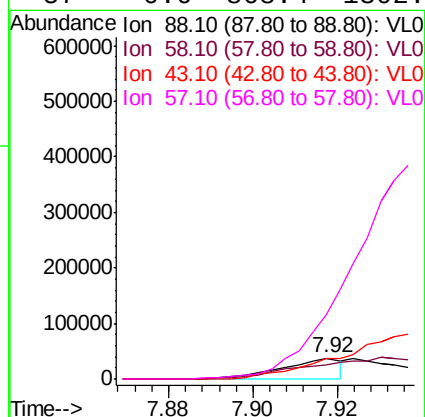
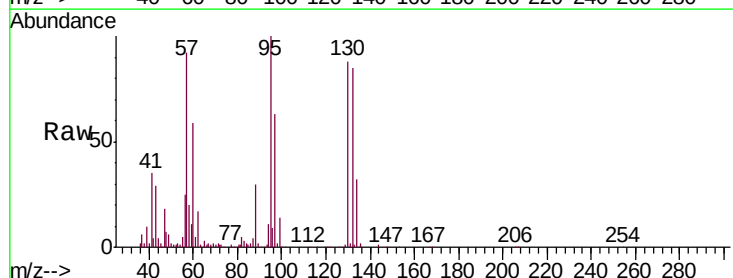
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

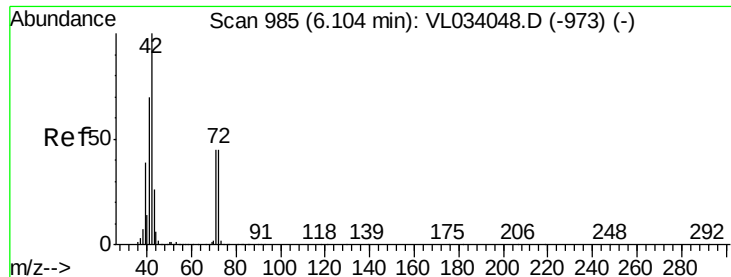
Tgt Ion	Ratio	Lower	Upper
63	100		
41	83.4	59.8	89.8
62	63.9	52.2	78.2



#40
 1,4-Dioxane
 Concen: 0.887 ppbv
 RT: 7.92 min Scan# 1549
 Delta R.T. 0.01 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	99.6	149.4#
43	0.0	189.2	283.8#
57	0.0	868.4	1302.6#





#41

Tetrahydrofuran

Concen: 2.350 ppbv

RT: 6.11 min Scan# 988

Delta R.T. 0.01 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

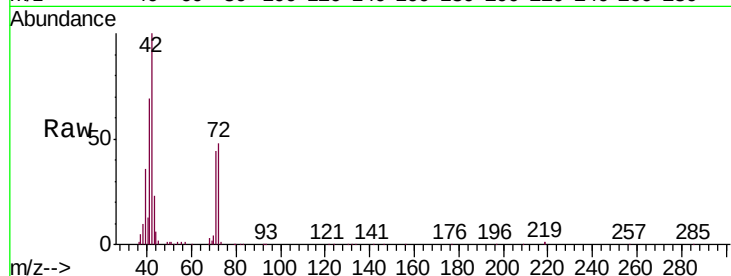
Tgt Ion: 42 Resp: 186141

Ion Ratio Lower Upper

42 100

72 47.4 36.9 55.3

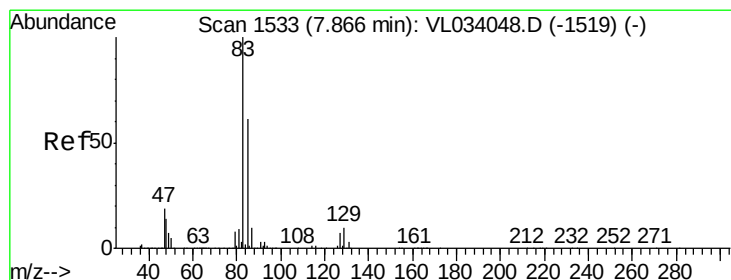
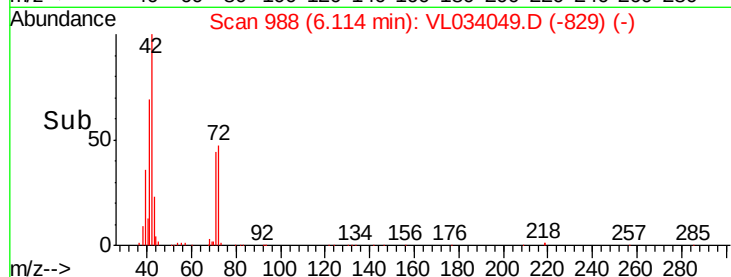
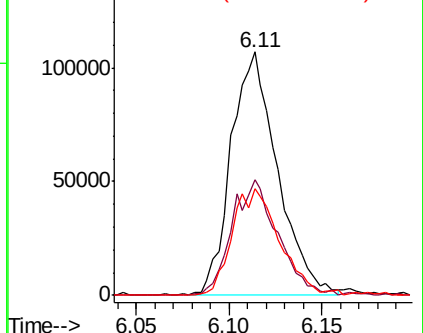
71 45.9 36.6 54.8



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: 2.171 ppbv

RT: 7.87 min Scan# 1533

Delta R.T. 0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

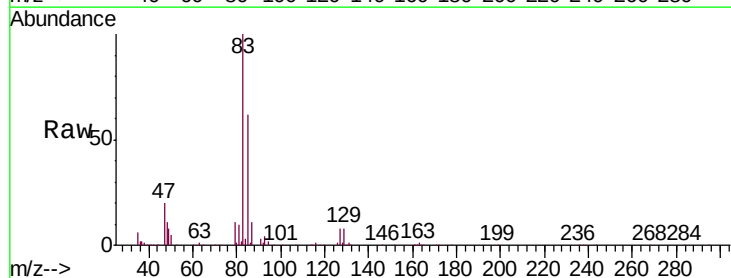
Tgt Ion: 83 Resp: 516482

Ion Ratio Lower Upper

83 100

85 62.0 48.6 73.0

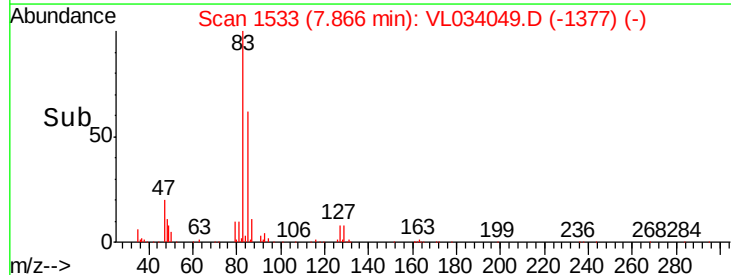
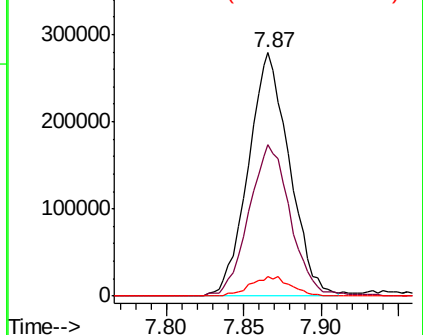
127 8.3 5.5 8.3#

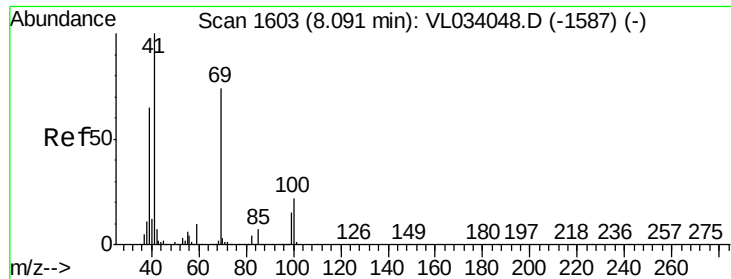


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

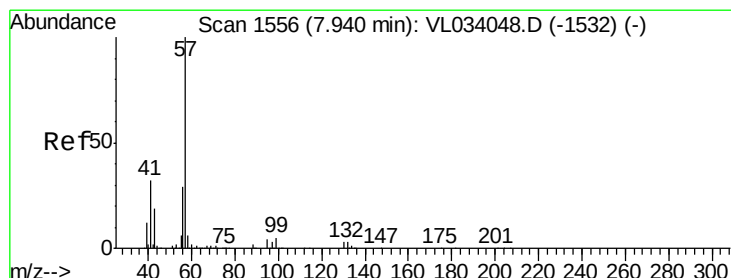
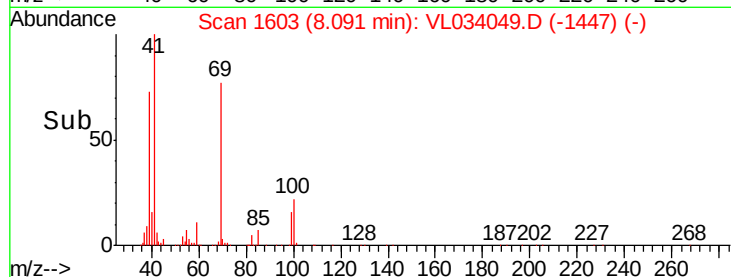
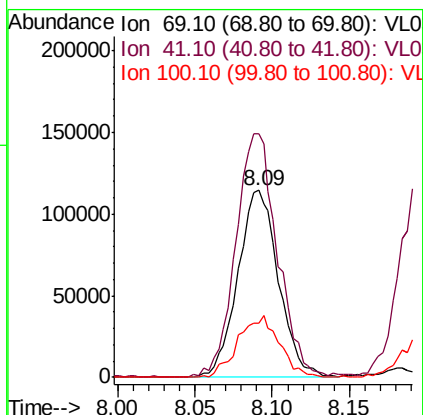
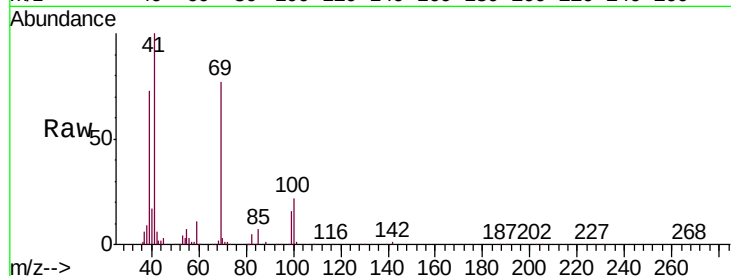




#43
Methyl Methacrylate
Concen: 2.317 ppbv
RT: 8.09 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VL034049.D
Acq: 30 Jul 2019 2:48

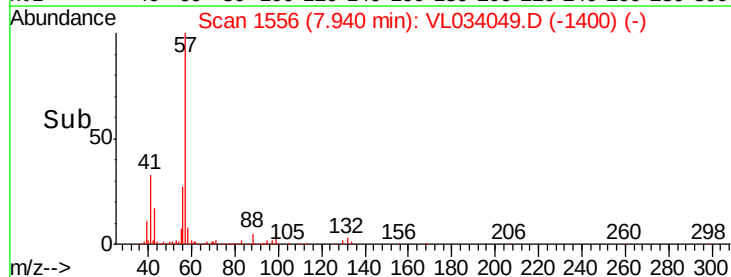
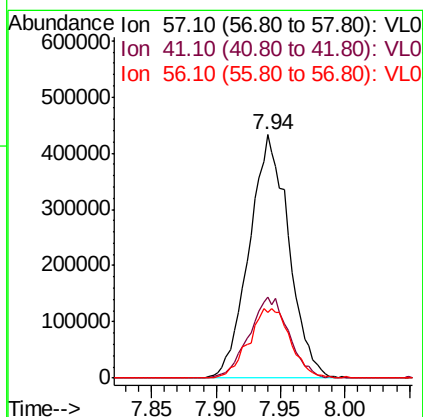
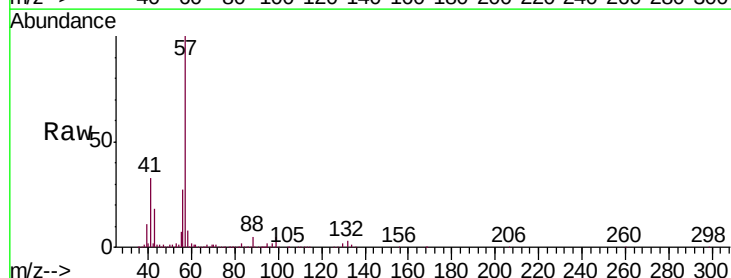
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

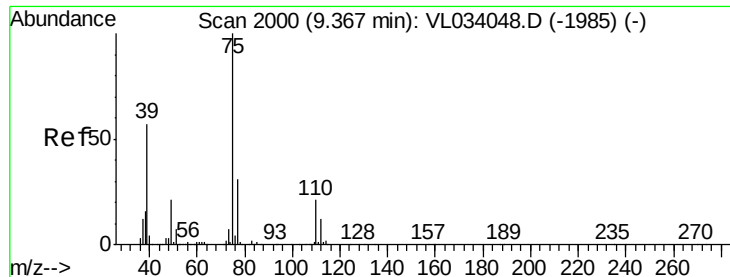
Tgt Ion: 69 Resp: 209417
Ion Ratio Lower Upper
69 100
41 133.8 112.8 169.2
100 33.4 26.1 39.1



#44
2,2,4-Trimethylpentane
Concen: 2.239 ppbv
RT: 7.94 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VL034049.D
Acq: 30 Jul 2019 2:48

Tgt Ion: 57 Resp: 926460
Ion Ratio Lower Upper
57 100
41 33.6 26.2 39.2
56 30.2 24.2 36.2





#45

t-1,3-Dichloropropene

Concen: 2.222 ppbv

RT: 9.36 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Instrument :

MSVOA_L

ClientSampleId :

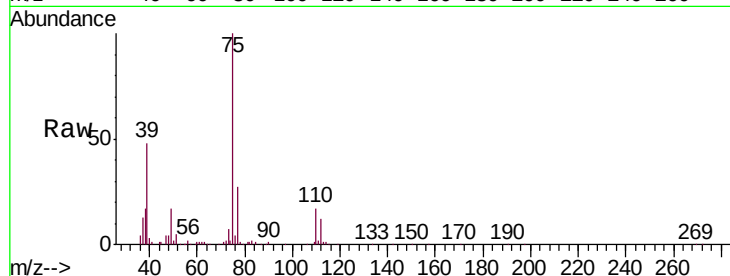
VSTDIC002

Tgt Ion: 75 Resp: 259888

Ion Ratio Lower Upper

75 100

77 27.3 24.6 37.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

150000

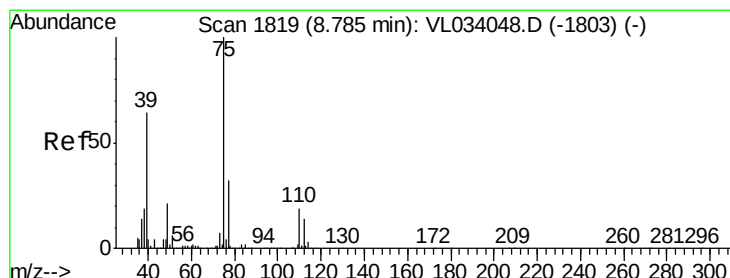
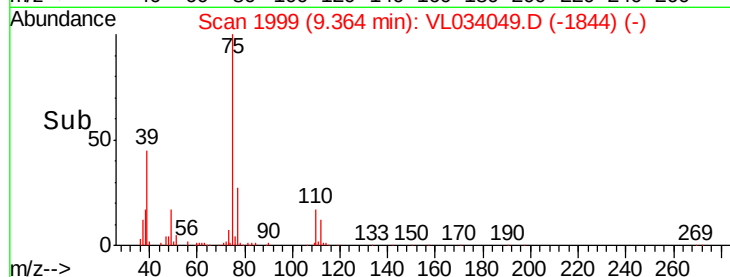
100000

50000

0

9.30 9.35 9.40

Time-->



#46

cis-1,3-Dichloropropene

Concen: 2.188 ppbv

RT: 8.79 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

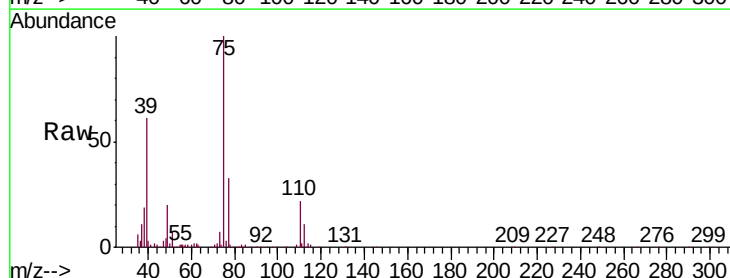
Tgt Ion: 75 Resp: 298356

Ion Ratio Lower Upper

75 100

39 61.1 51.4 77.2

77 33.1 25.8 38.6



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

200000

150000

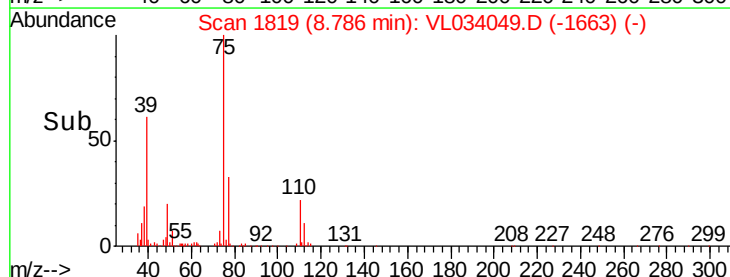
100000

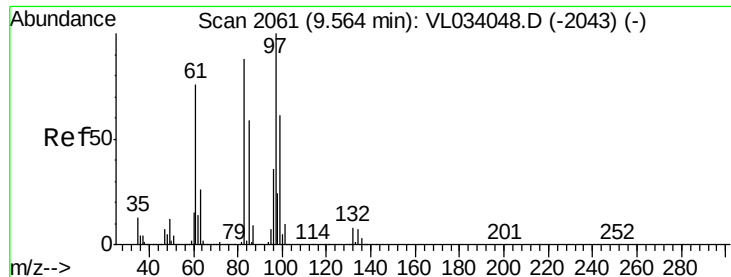
50000

0

8.70 8.75 8.80 8.85

Time-->





#47

1,1,2-Trichloroethane

Concen: 2.175 ppbv

RT: 9.56 min Scan# 2061

Delta R.T. 0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 97 Resp: 244188

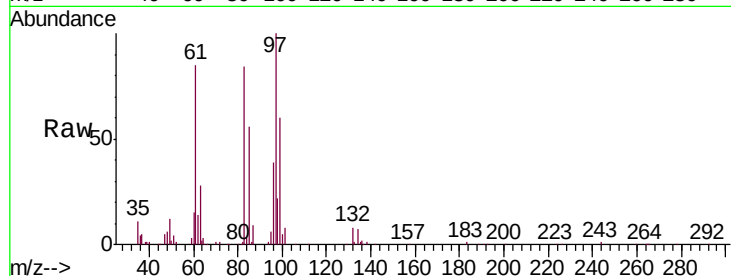
Ion Ratio Lower Upper

97 100

83 83.7 70.6 106.0

85 55.6 47.3 70.9

99 60.2 48.6 72.8

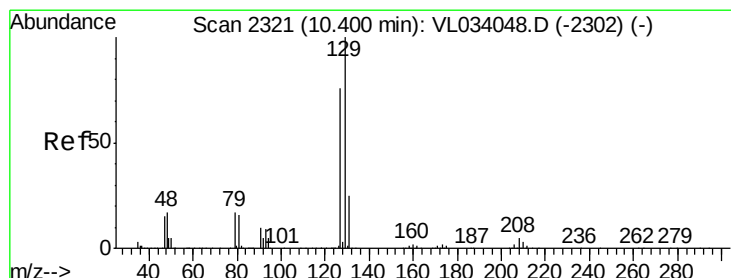
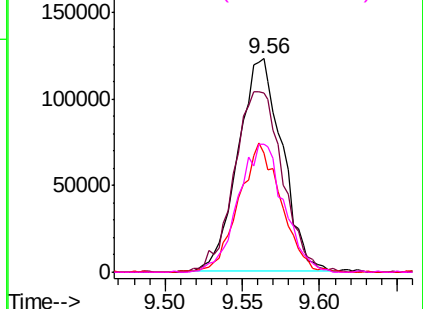
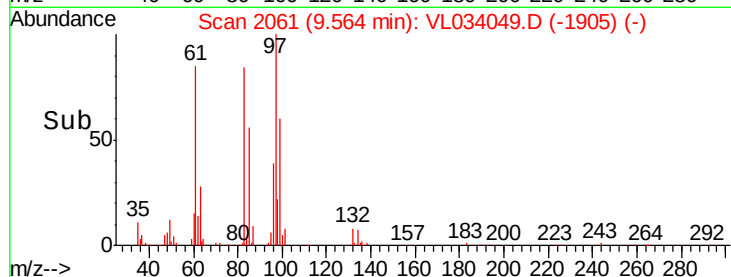


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 1.955 ppbv

RT: 10.39 min Scan# 2319

Delta R.T. -0.01 min

Lab File: VL034049.D

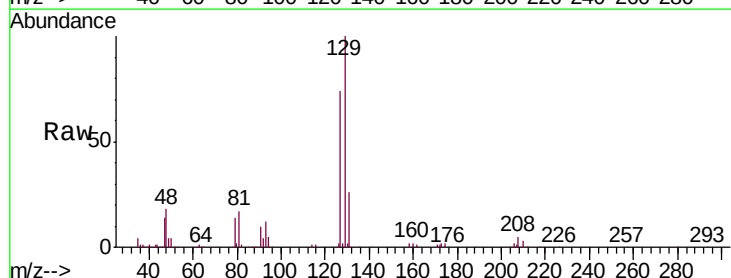
Acq: 30 Jul 2019 2:48

Tgt Ion: 129 Resp: 441860

Ion Ratio Lower Upper

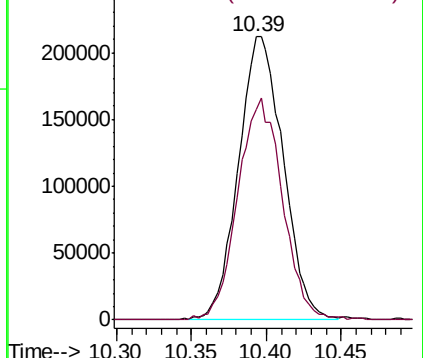
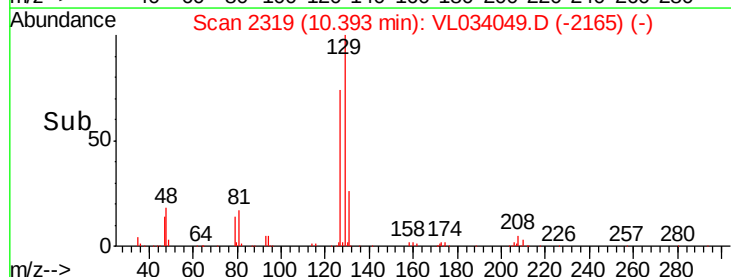
129 100

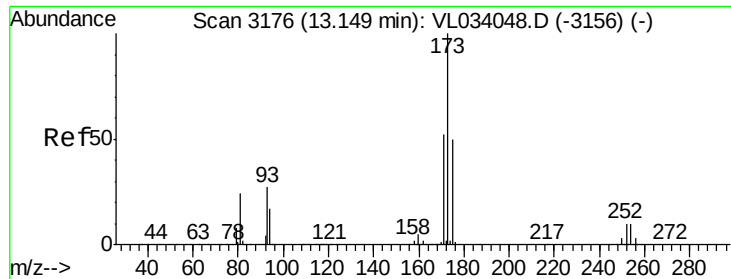
127 78.2 38.6 115.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 2.268 ppbv

RT: 13.14 min Scan# 3174

Delta R.T. -0.01 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

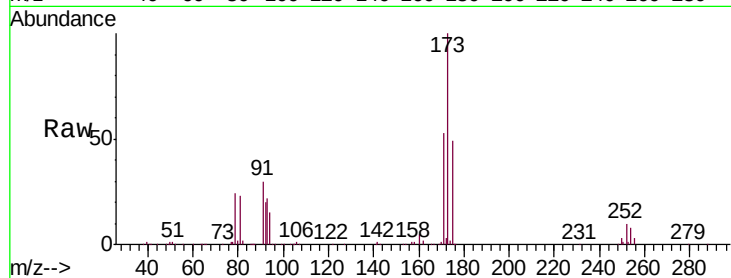
Tgt Ion:173 Resp: 415522

Ion Ratio Lower Upper

173 100

175 50.4 39.4 59.0

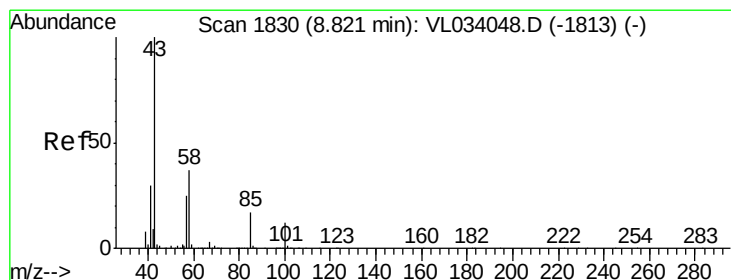
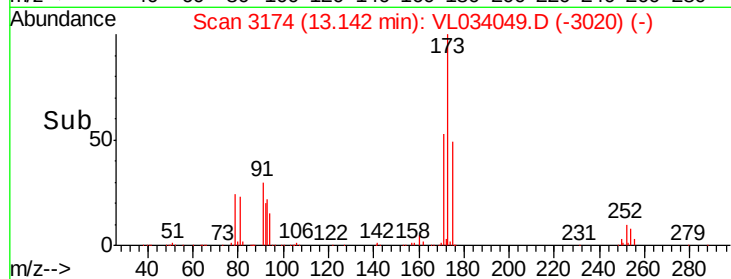
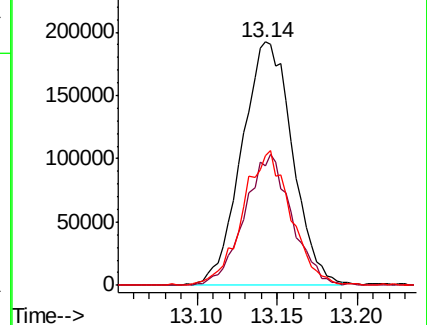
171 52.9 41.9 62.9



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: 2.236 ppbv

RT: 8.83 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VL034049.D

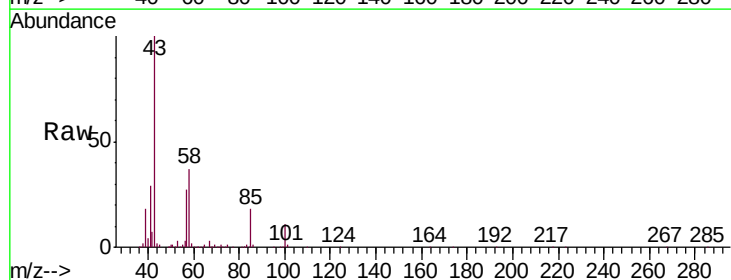
Acq: 30 Jul 2019 2:48

Tgt Ion: 43 Resp: 536848

Ion Ratio Lower Upper

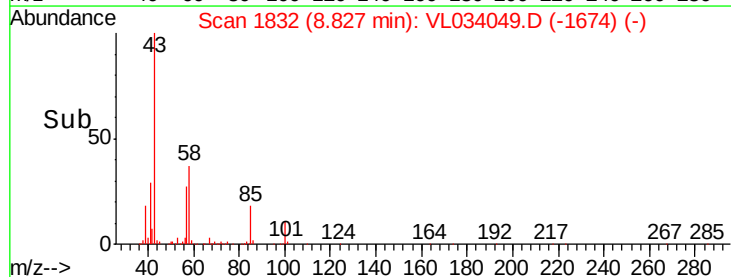
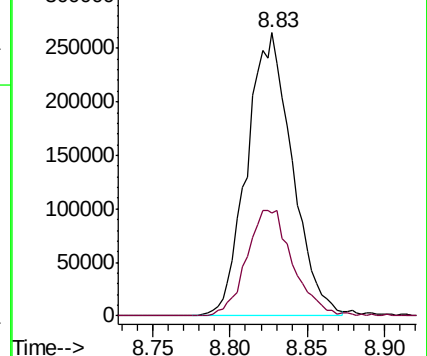
43 100

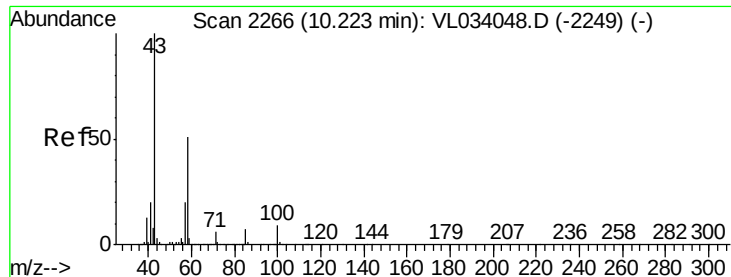
58 38.4 30.7 46.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

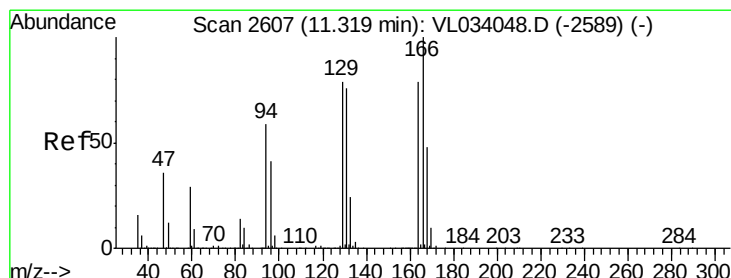
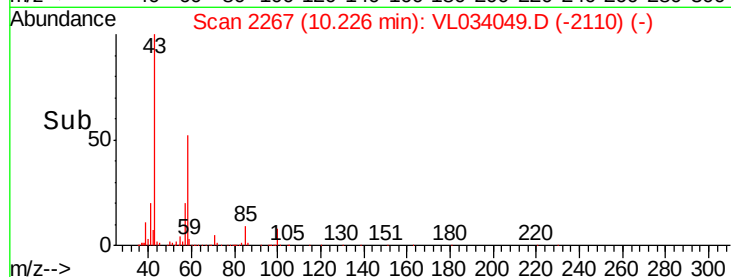
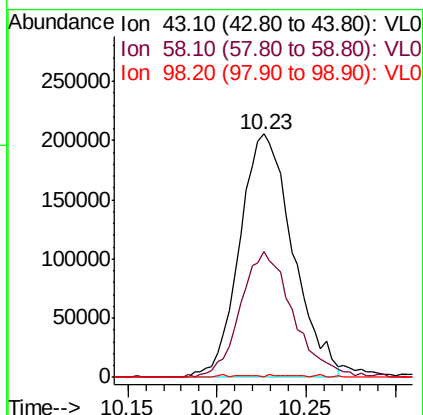
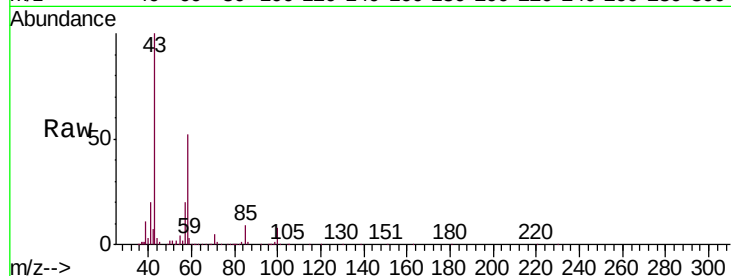




#51
2-Hexanone
Concen: 2.080 ppbv
RT: 10.23 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VL034049.D
Acq: 30 Jul 2019 2:48

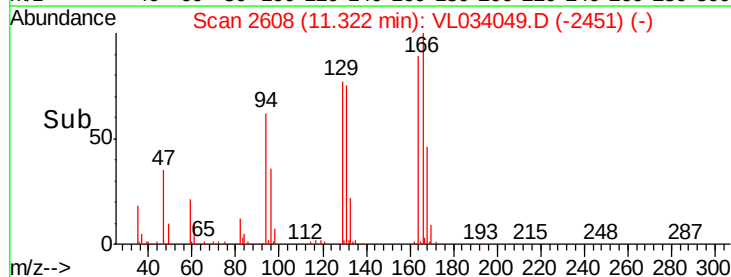
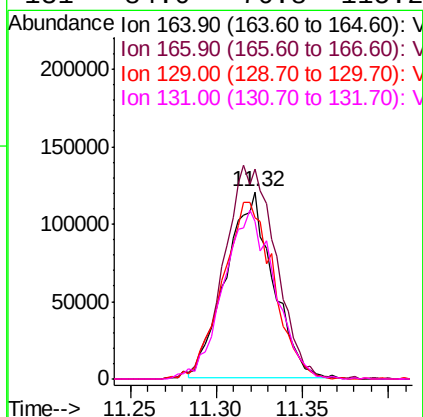
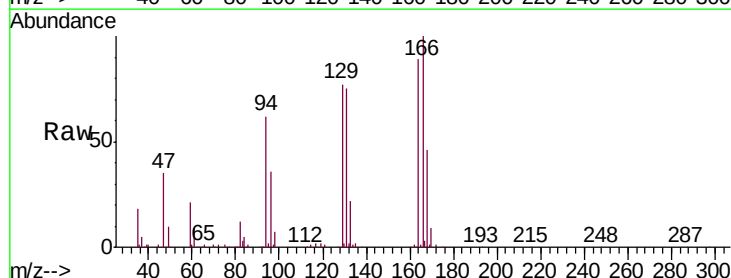
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

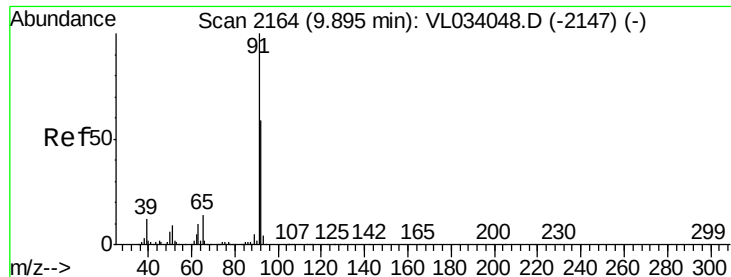
Tgt Ion: 43 Resp: 426972
Ion Ratio Lower Upper
43 100
58 51.8 40.2 60.2
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 2.187 ppbv
RT: 11.32 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VL034049.D
Acq: 30 Jul 2019 2:48

Tgt Ion: 164 Resp: 229734
Ion Ratio Lower Upper
164 100
166 112.1 101.6 152.4
129 85.6 80.7 121.1
131 84.0 76.8 115.2





#53

Toluene

Concen: 2.354 ppbv

RT: 9.89 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Instrument :

MSVOA_L

ClientSampleId :

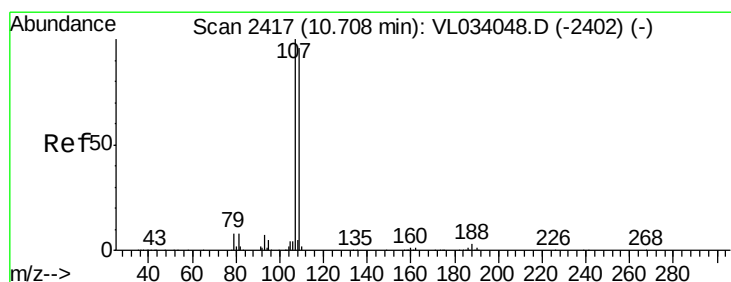
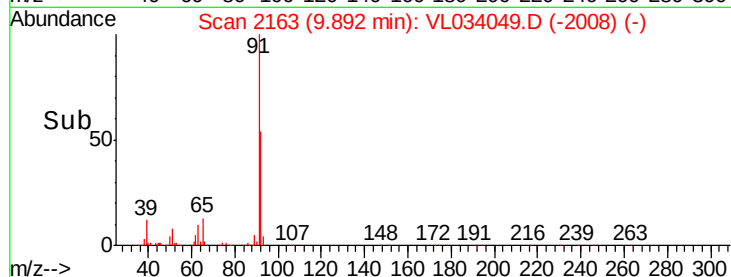
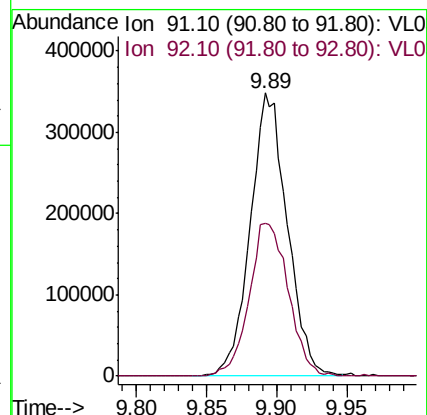
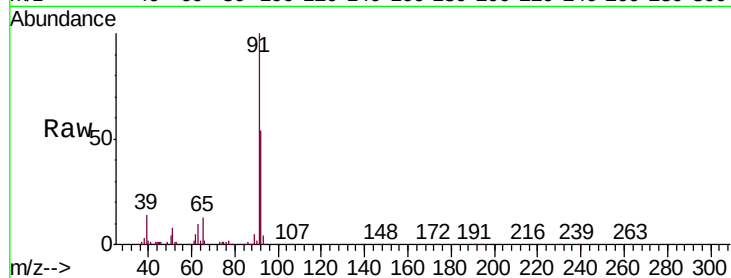
VSTDIC002

Tgt Ion: 91 Resp: 640037

Ion Ratio Lower Upper

91 100

92 57.4 47.4 71.2



#54

1,2-Dibromoethane

Concen: 2.216 ppbv

RT: 10.71 min Scan# 2416

Delta R.T. -0.00 min

Lab File: VL034049.D

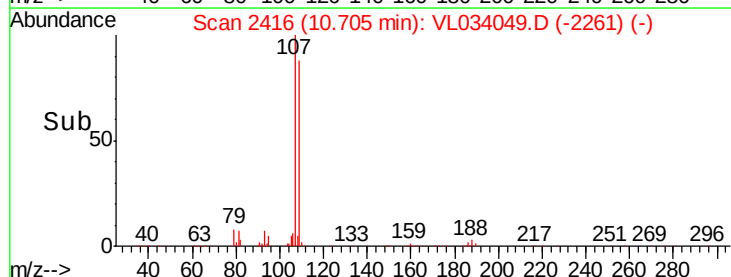
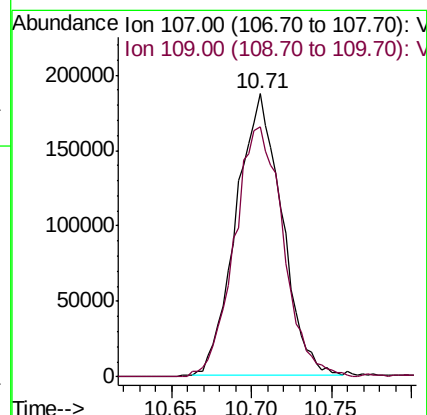
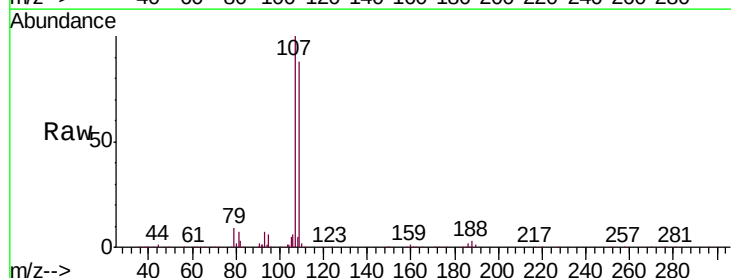
Acq: 30 Jul 2019 2:48

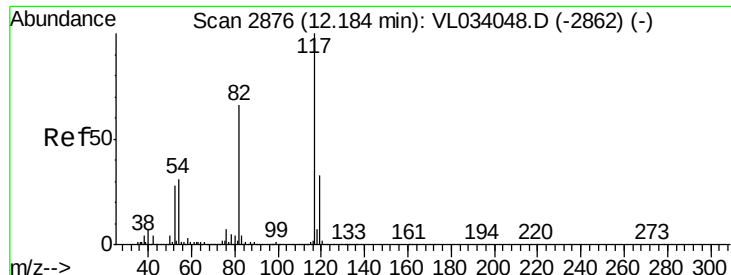
Tgt Ion: 107 Resp: 364817

Ion Ratio Lower Upper

107 100

109 87.3 76.6 115.0

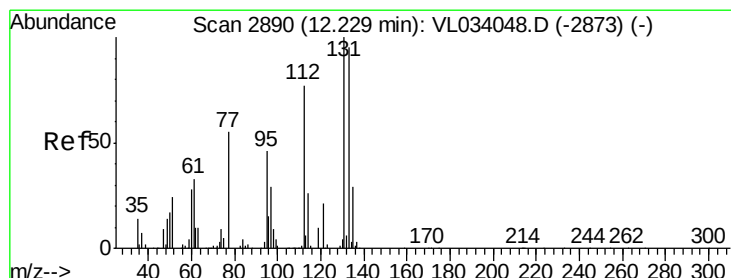
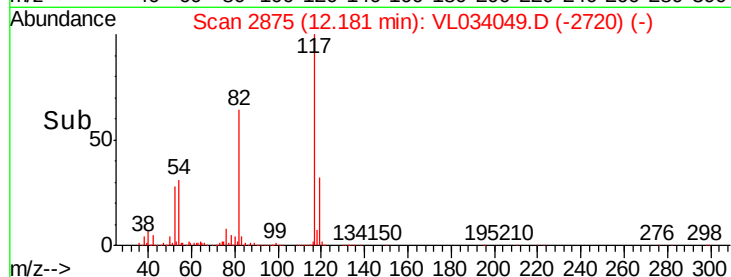
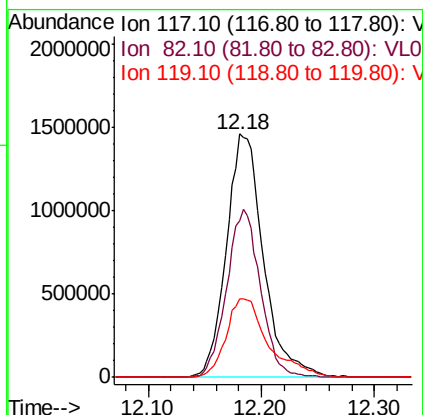
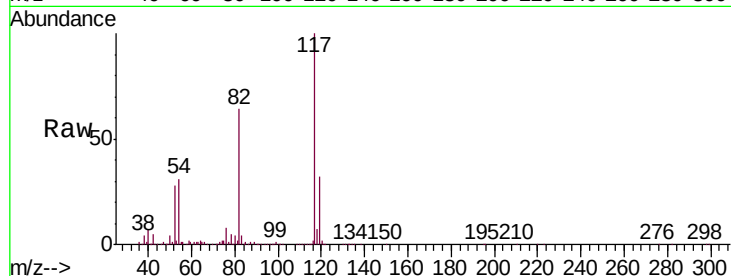




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.18 min Scan# 2875
Delta R.T. -0.00 min
Lab File: VL034049.D
Acq: 30 Jul 2019 2:48

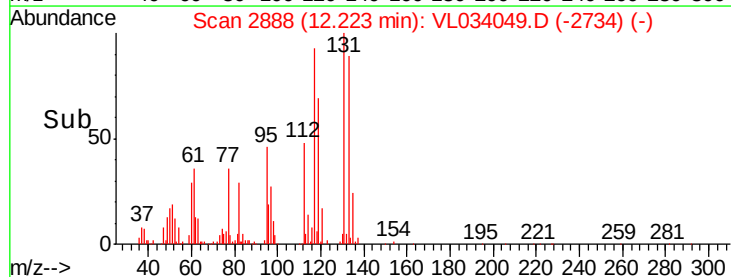
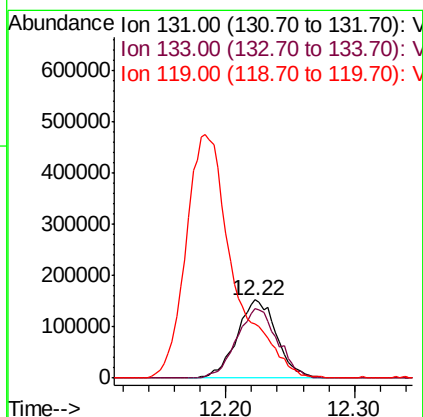
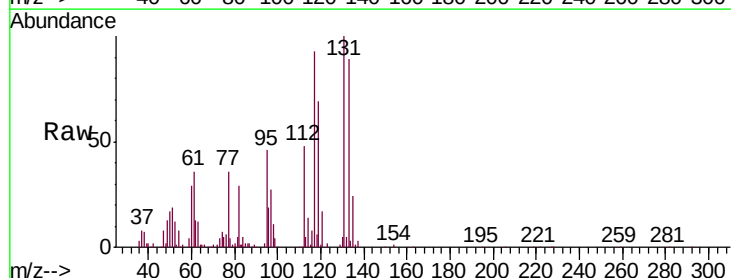
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

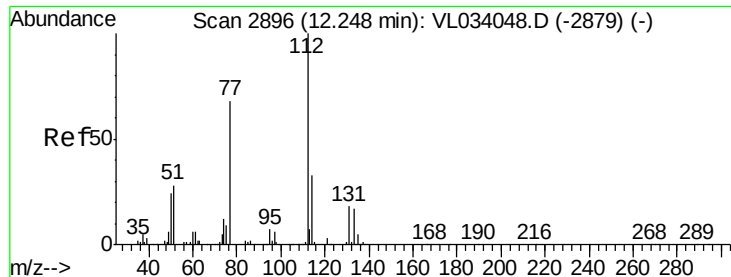
Tgt Ion:117 Resp: 3315852
Ion Ratio Lower Upper
117 100
82 63.5 49.8 74.8
119 36.9 43.0 64.6#



#56
1,1,1,2-Tetrachloroethane
Concen: 2.241 ppbv
RT: 12.22 min Scan# 2888
Delta R.T. -0.01 min
Lab File: VL034049.D
Acq: 30 Jul 2019 2:48

Tgt Ion:131 Resp: 326849
Ion Ratio Lower Upper
131 100
133 91.6 76.6 114.8
119 374.5 46.6 69.8#

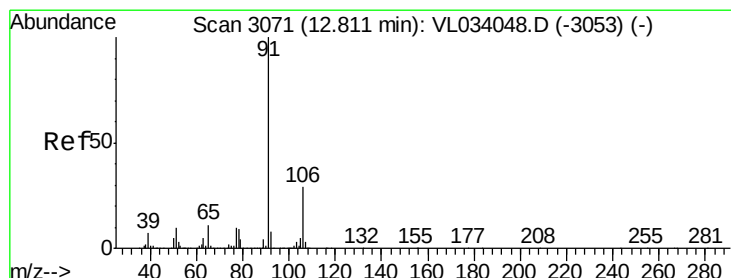
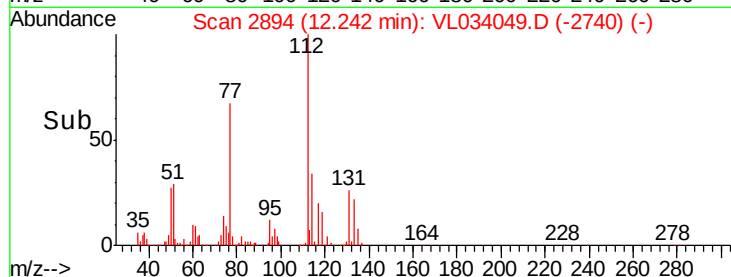
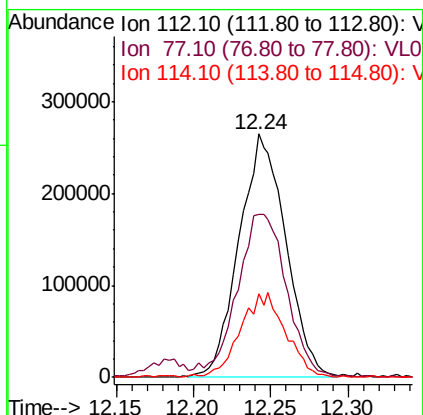
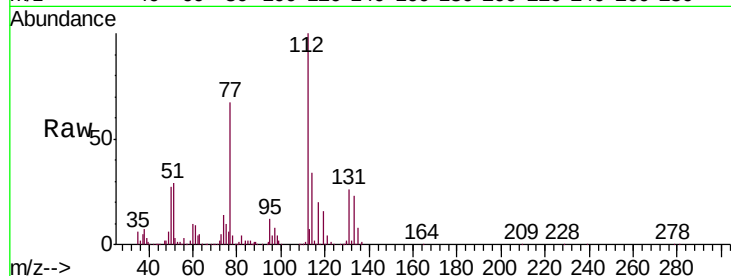




#57
Chlorobenzene
Concen: 2.111 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL034049.D
Acq: 30 Jul 2019 2:48

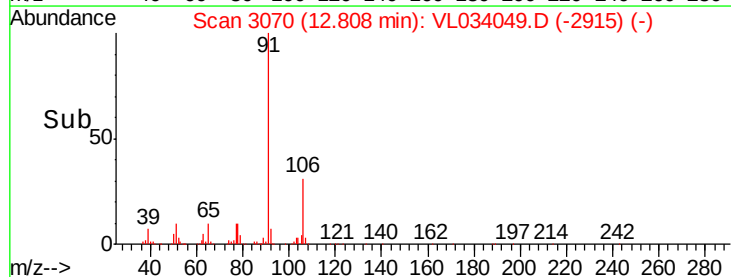
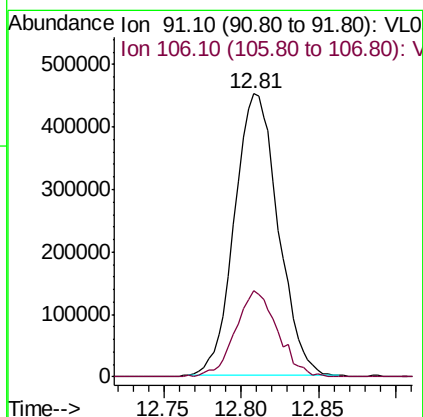
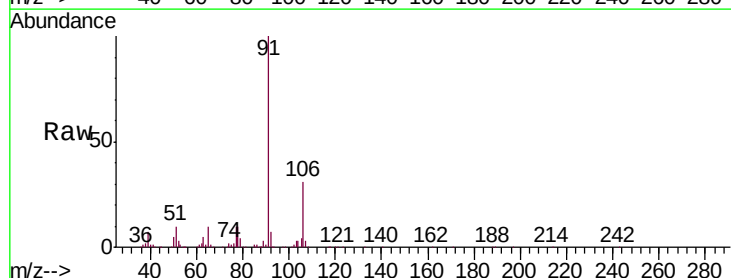
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

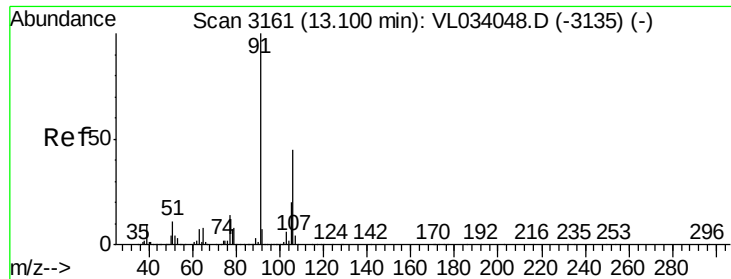
Tgt Ion: 112 Resp: 548434
Ion Ratio Lower Upper
112 100
77 66.3 55.1 82.7
114 34.1 29.5 36.1



#58
Ethyl Benzene
Concen: 2.261 ppbv
RT: 12.81 min Scan# 3070
Delta R.T. -0.00 min
Lab File: VL034049.D
Acq: 30 Jul 2019 2:48

Tgt Ion: 91 Resp: 887310
Ion Ratio Lower Upper
91 100
106 30.6 23.5 35.3

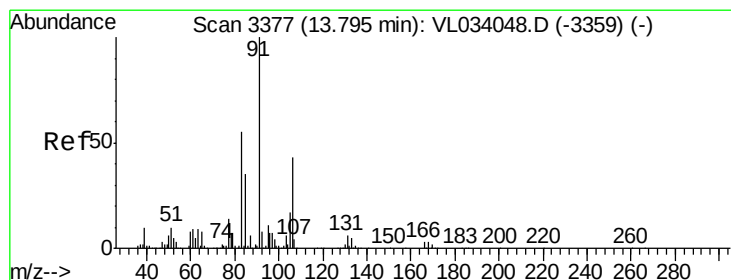
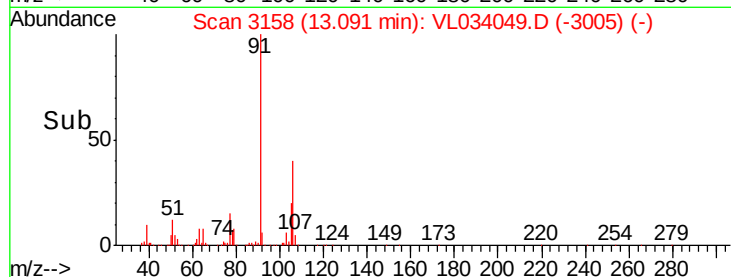
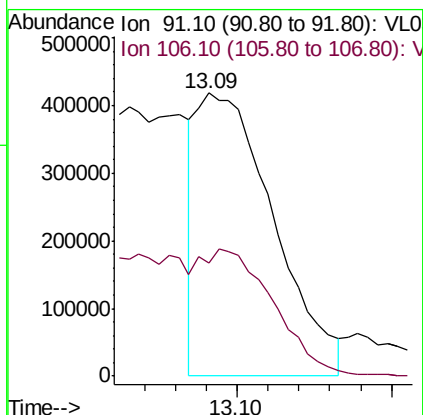
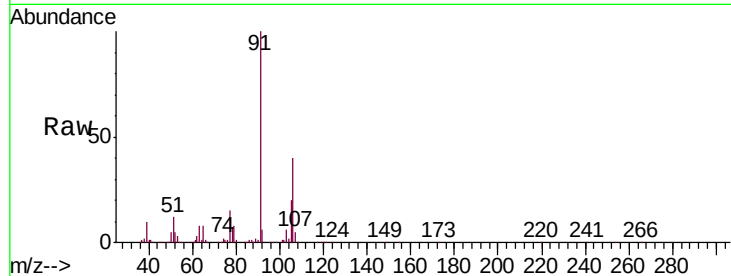




#59
m/p-Xylene
Concen: 2.009 ppbv
RT: 13.09 min Scan# 3158
Delta R.T. -0.01 min
Lab File: VL034049.D
Acq: 30 Jul 2019 2:48

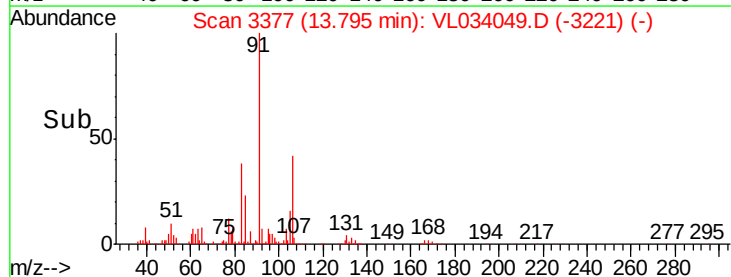
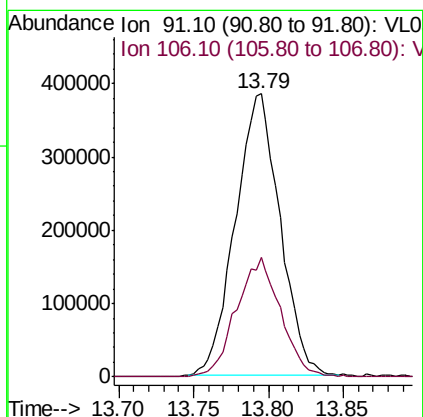
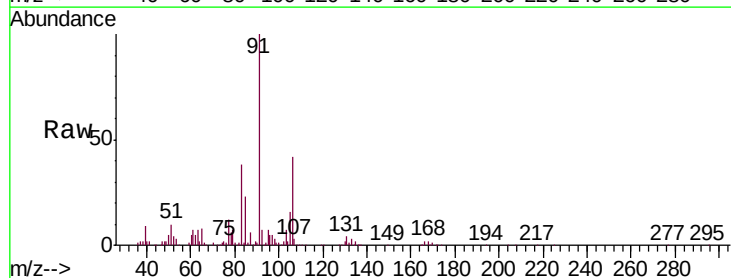
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

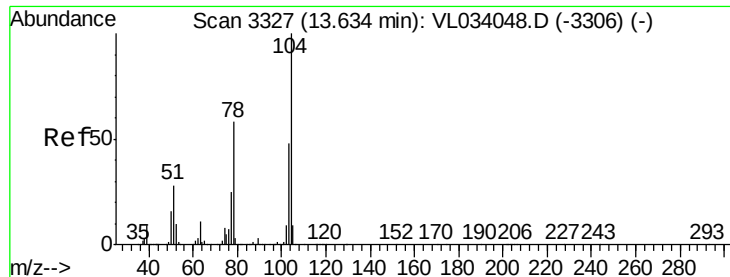
Tgt Ion: 91 Resp: 714467
Ion Ratio Lower Upper
91 100
106 98.4 35.1 52.7#



#60
o-Xylene
Concen: 2.226 ppbv
RT: 13.79 min Scan# 3377
Delta R.T. 0.00 min
Lab File: VL034049.D
Acq: 30 Jul 2019 2:48

Tgt Ion: 91 Resp: 794192
Ion Ratio Lower Upper
91 100
106 42.3 21.2 63.6





#61

Styrene

Concen: 2.296 ppbv

RT: 13.63 min Scan# 3325

Delta R.T. -0.01 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

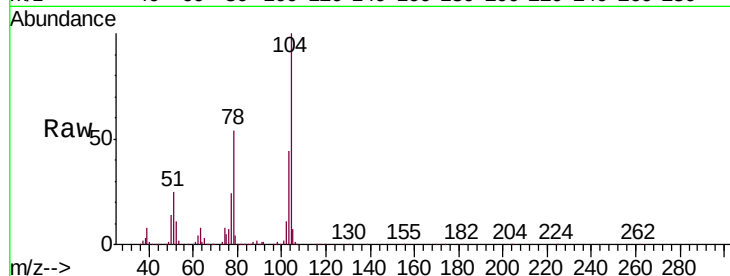
Tgt Ion:104 Resp: 538520

Ion Ratio Lower Upper

104 100

78 57.1 44.3 66.5

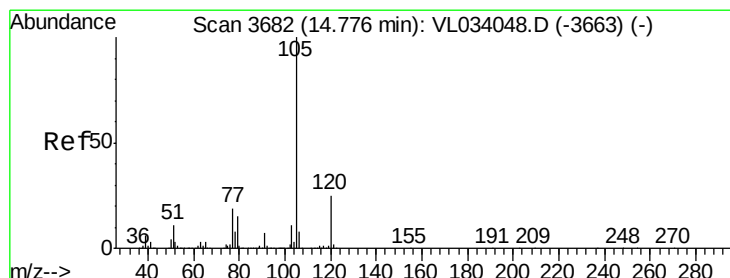
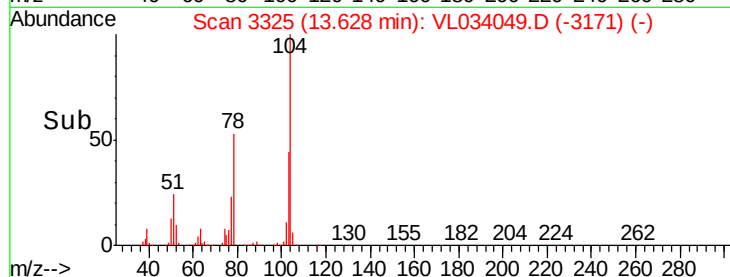
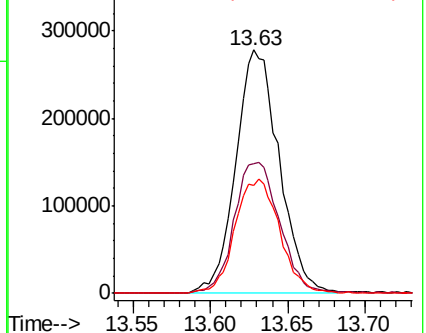
103 48.9 38.8 58.2



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: 1.067 ppbv

RT: 14.77 min Scan# 3681

Delta R.T. -0.00 min

Lab File: VL034049.D

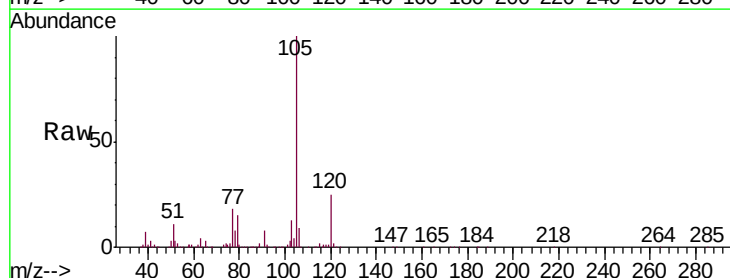
Acq: 30 Jul 2019 2:48

Tgt Ion:105 Resp: 550002

Ion Ratio Lower Upper

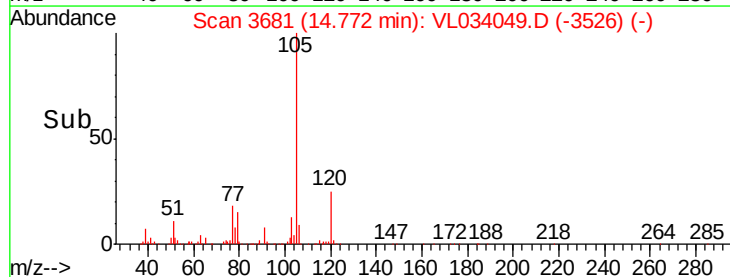
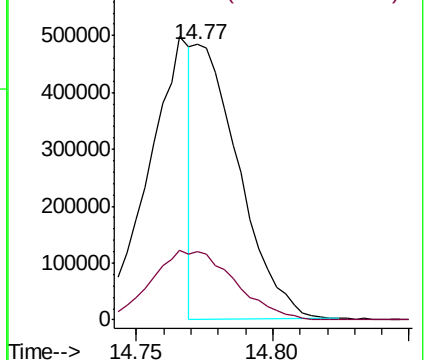
105 100

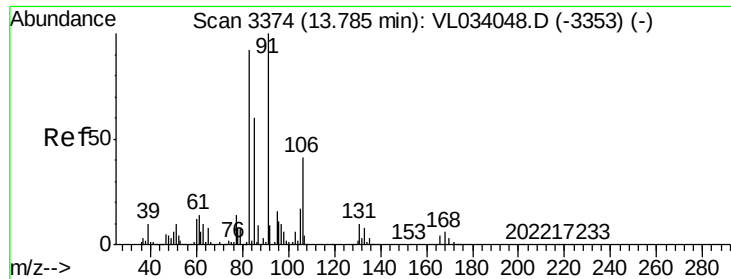
120 0.0 20.2 30.2#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

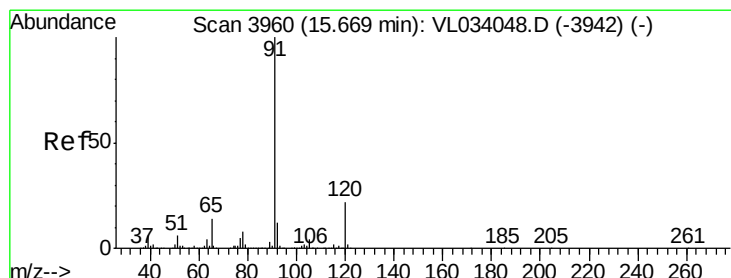
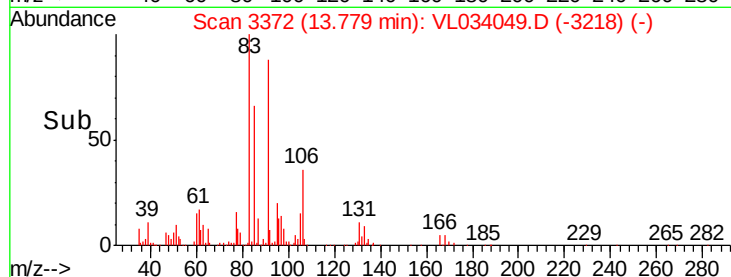
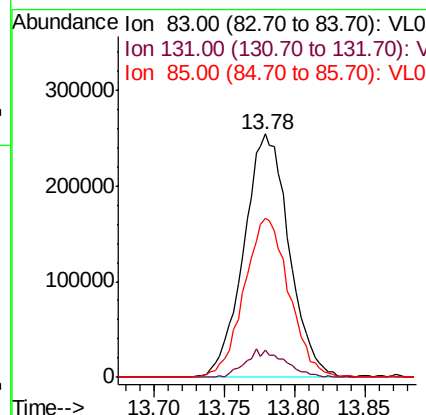
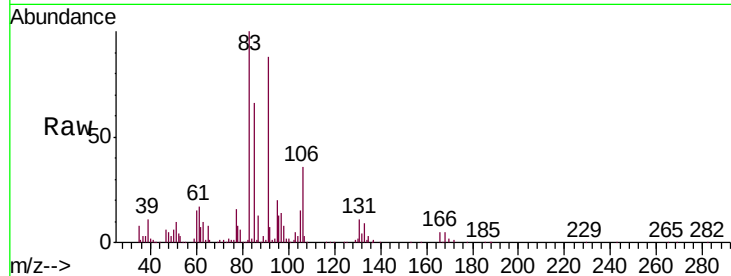




#63
 1,1,2,2-Tetrachloroethane
 Concen: 2.059 ppbv
 RT: 13.78 min Scan# 3372
 Delta R.T. -0.01 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

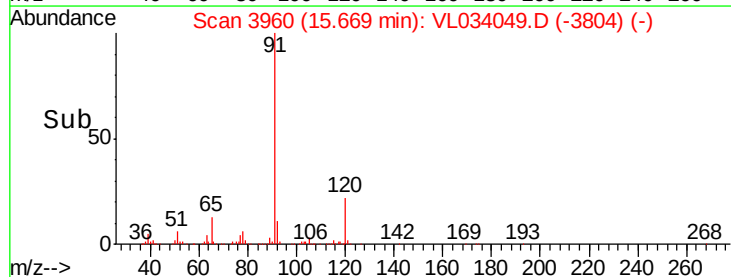
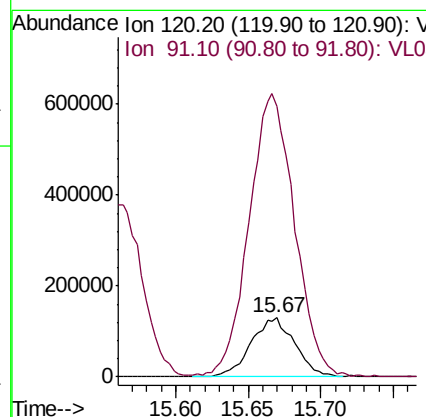
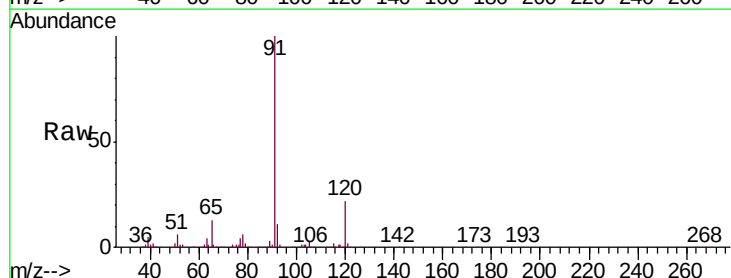
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

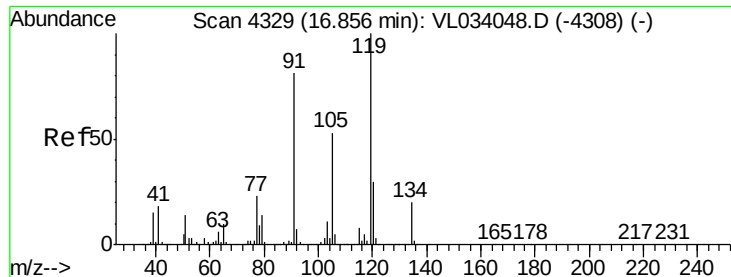
Tgt Ion: 83 Resp: 570064
 Ion Ratio Lower Upper
 83 100
 131 10.3 4.8 14.4
 85 65.3 32.4 97.0



#64
 n-propylbenzene
 Concen: 2.048 ppbv
 RT: 15.67 min Scan# 3960
 Delta R.T. 0.00 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

Tgt Ion: 120 Resp: 272930
 Ion Ratio Lower Upper
 120 100
 91 497.1 386.2 579.2

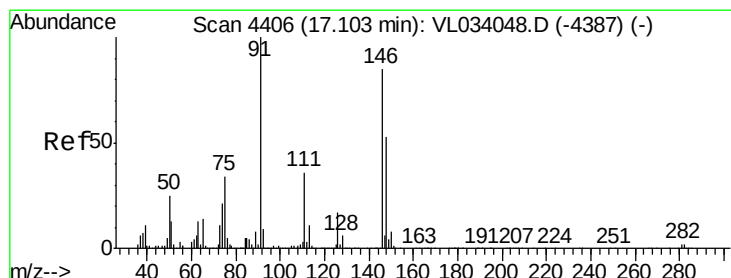
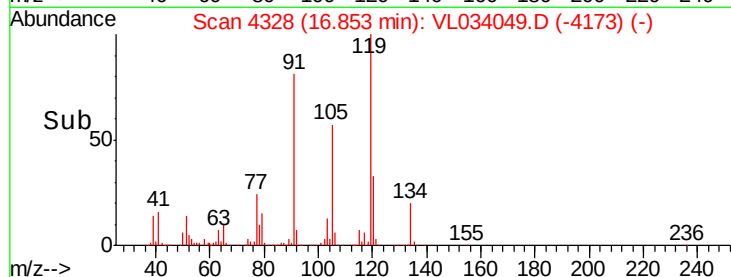
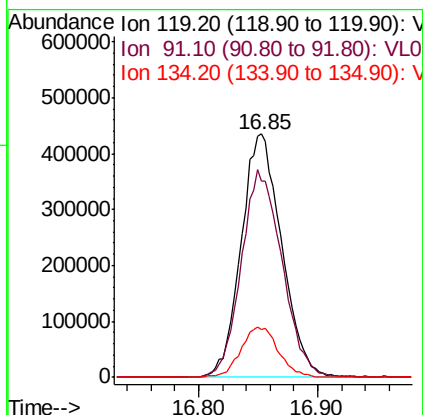
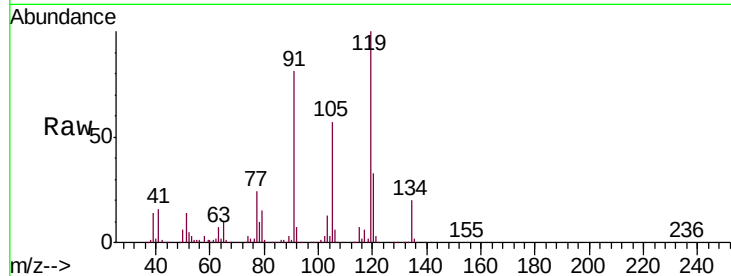




#65
 tert-Butylbenzene
 Concen: 2.357 ppbv
 RT: 16.85 min Scan# 4328
 Delta R.T. -0.00 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

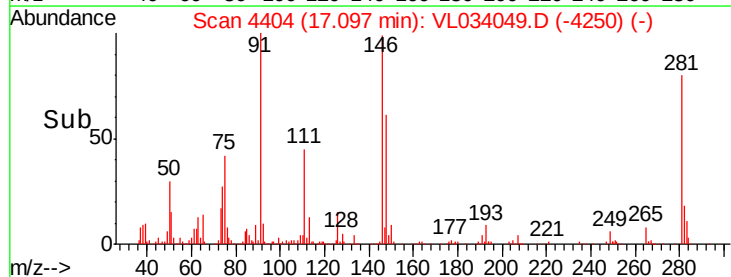
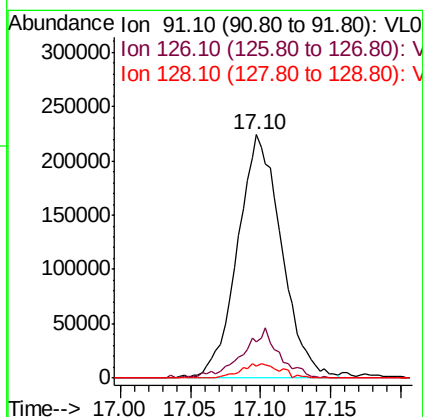
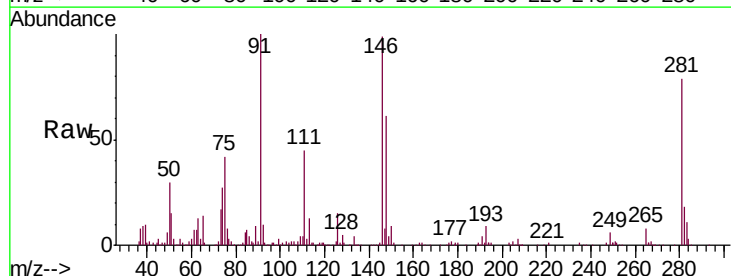
Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC002

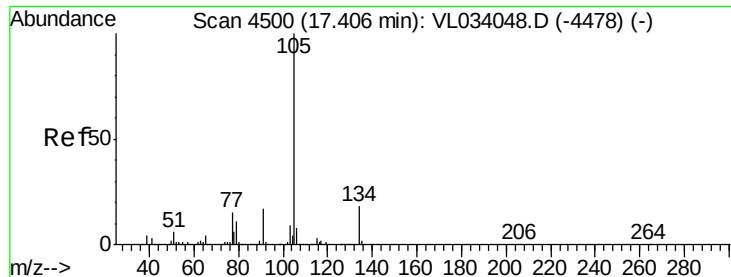
Tgt Ion: 119 Resp: 1023765
 Ion Ratio Lower Upper
 119 100
 91 85.9 66.9 100.3
 134 19.4 15.5 23.3



#66
 Benzyl Chloride
 Concen: 2.204 ppbv
 RT: 17.10 min Scan# 4404
 Delta R.T. -0.01 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

Tgt Ion: 91 Resp: 484129
 Ion Ratio Lower Upper
 91 100
 126 17.7 13.5 20.3
 128 5.6 4.5 6.7





#67

sec-Butylbenzene

Concen: 2.345 ppbv

RT: 17.40 min Scan# 4498

Delta R.T. -0.01 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Instrument :

MSVOA_L

ClientSampleId :

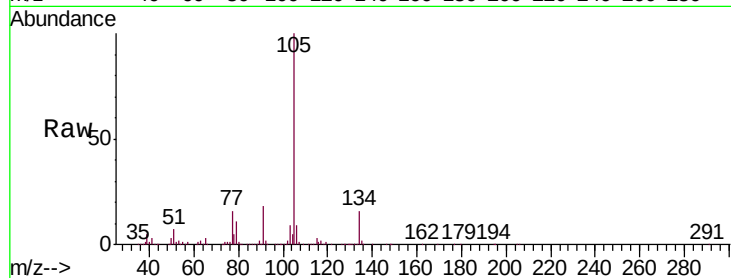
VSTDIC002

Tgt Ion:105 Resp: 1437622

Ion Ratio Lower Upper

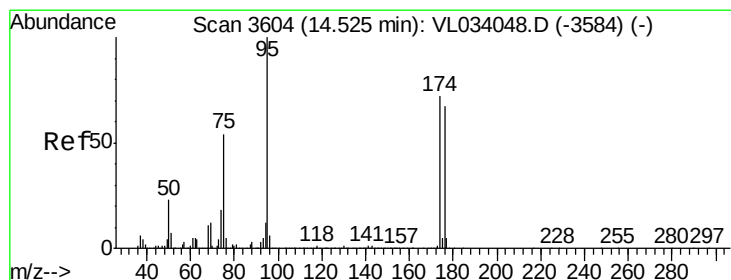
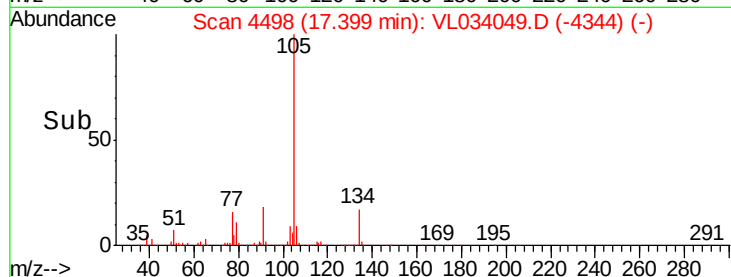
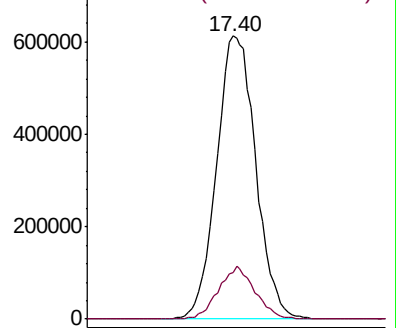
105 100

134 17.4 14.3 21.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.661 ppbv

RT: 14.52 min Scan# 3602

Delta R.T. -0.01 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

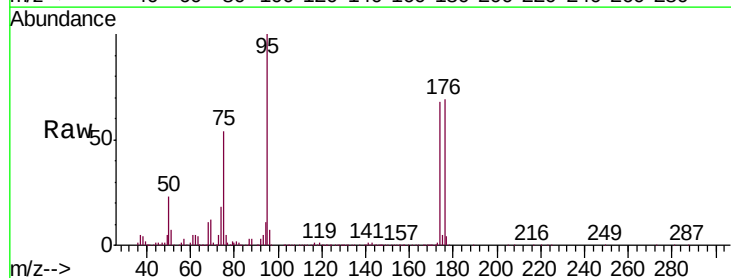
Tgt Ion: 95 Resp: 2629098

Ion Ratio Lower Upper

95 100

174 72.3 57.6 86.4

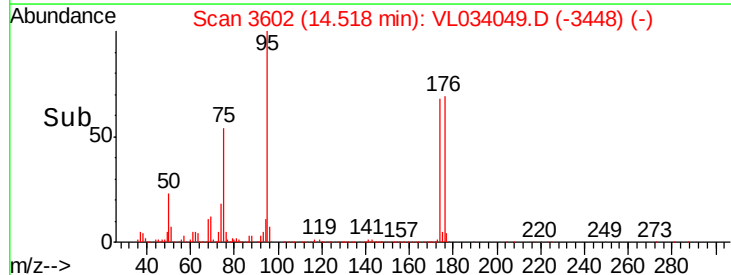
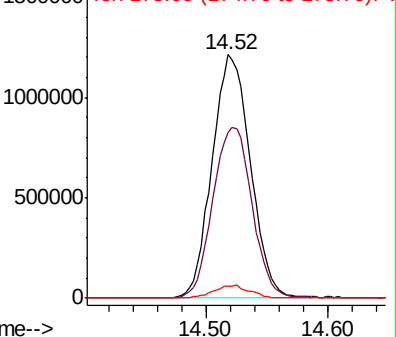
175 4.9 4.1 6.1

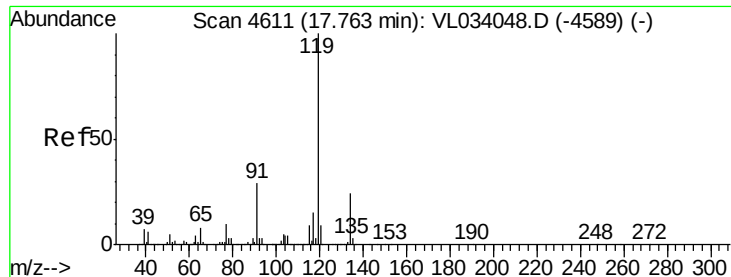


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

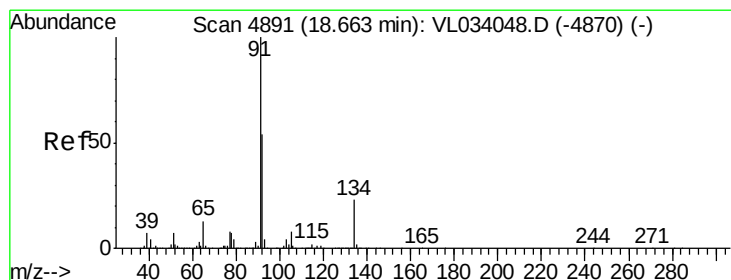
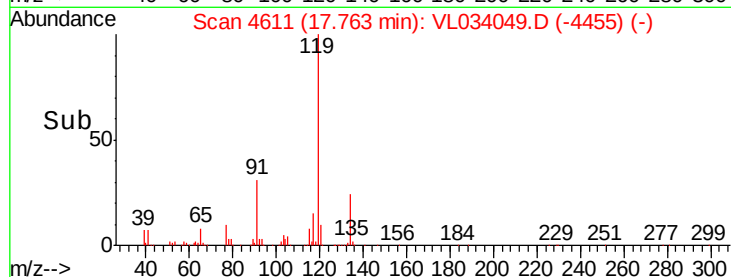
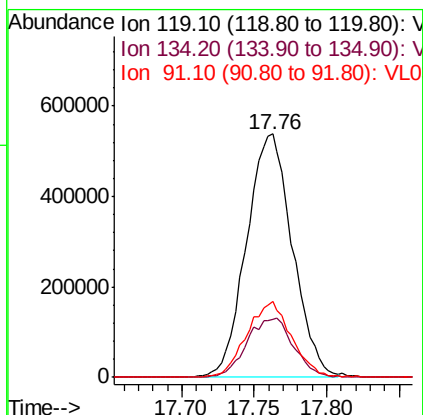
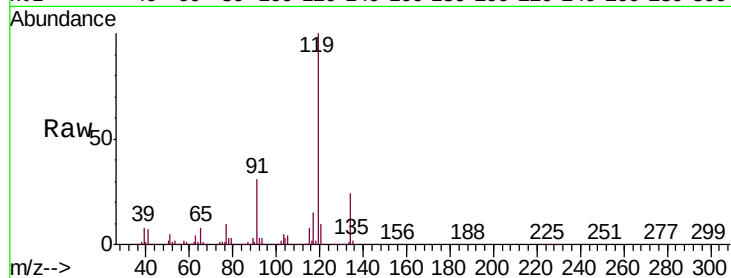




#69
 p-Isopropyltoluene
 Concen: 2.346 ppbv
 RT: 17.76 min Scan# 4611
 Delta R.T. 0.00 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

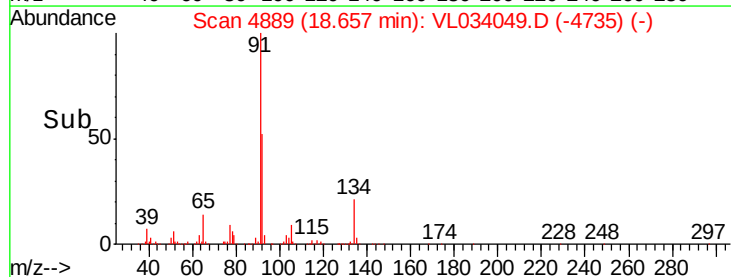
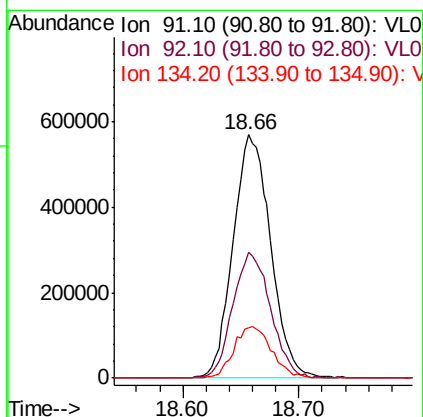
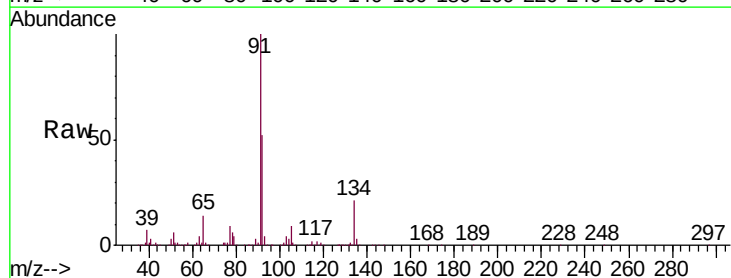
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

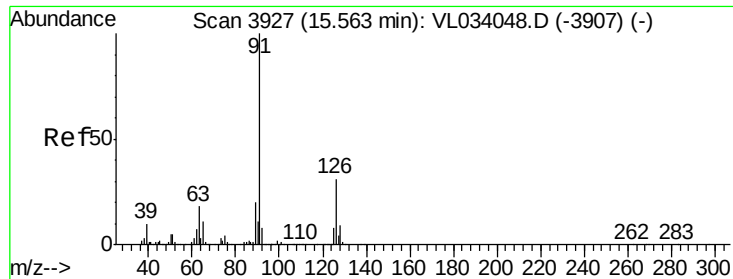
Tgt Ion: 119 Resp: 1182948
 Ion Ratio Lower Upper
 119 100
 134 24.9 20.1 30.1
 91 30.8 23.6 35.4



#70
 n-Butylbenzene
 Concen: 2.411 ppbv
 RT: 18.66 min Scan# 4889
 Delta R.T. -0.01 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

Tgt Ion: 91 Resp: 1279308
 Ion Ratio Lower Upper
 91 100
 92 52.1 42.6 64.0
 134 21.3 17.7 26.5





#71

2-Chlorotoluene

Concen: 2.153 ppbv

RT: 15.56 min Scan# 3926

Delta R.T. -0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Instrument :

MSVOA_L

ClientSampleId :

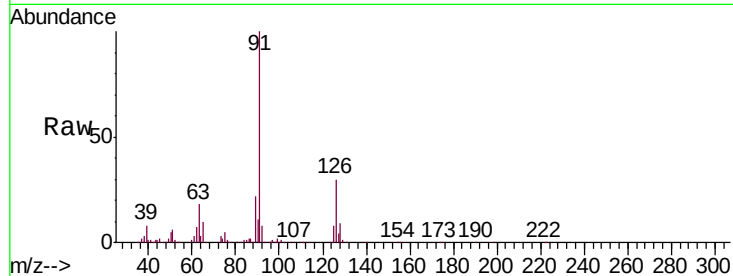
VSTDIC002

Tgt Ion: 91 Resp: 808063

Ion Ratio Lower Upper

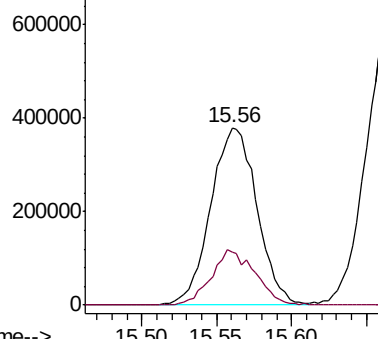
91 100

126 30.1 12.0 48.2

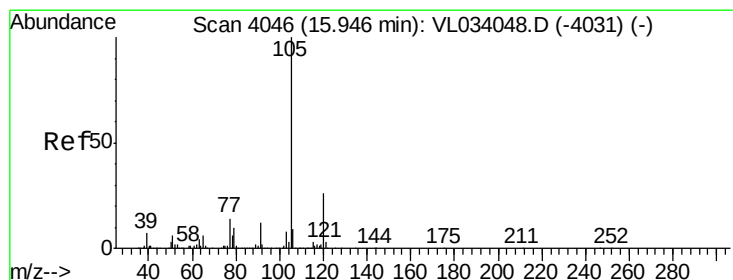
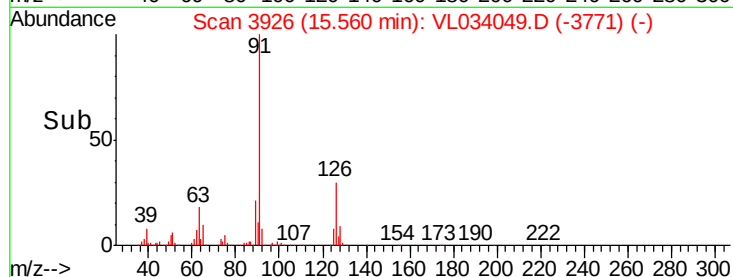


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



Time-->



#72

4-Ethyltoluene

Concen: 2.140 ppbv

RT: 15.94 min Scan# 4045

Delta R.T. -0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Tgt Ion: 105 Resp: 925033

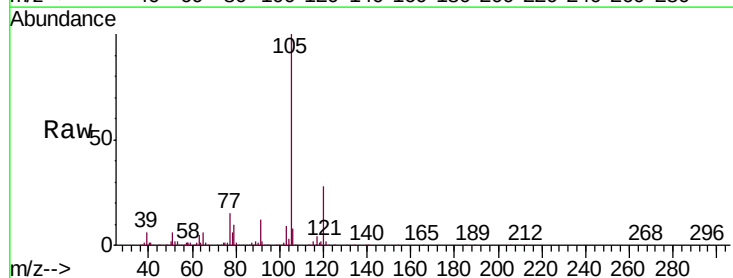
Ion Ratio Lower Upper

105 100

120 28.7 23.0 34.4

91 13.1 10.6 16.0

77 14.6 11.5 17.3

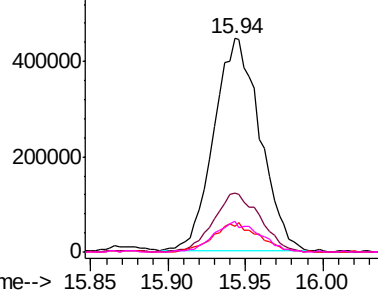


Abundance Ion 105.10 (104.80 to 105.80): V

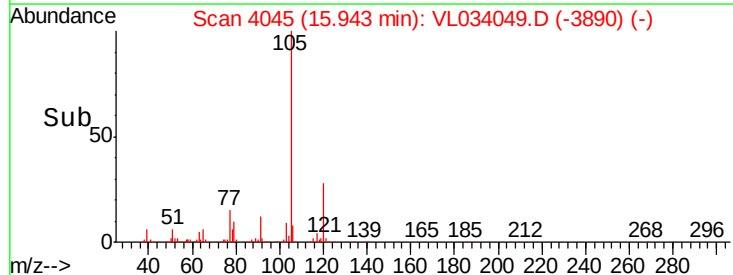
Ion 120.20 (119.90 to 120.90): V

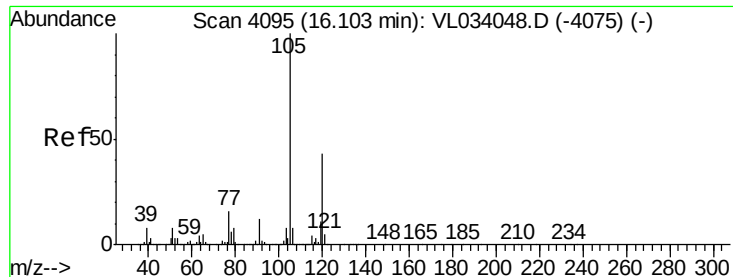
Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



Time-->





#73

1,3,5-Trimethylbenzene

Concen: 2.322 ppbv

RT: 16.10 min Scan# 4094

Delta R.T. -0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Instrument :

MSVOA_L

ClientSampleId :

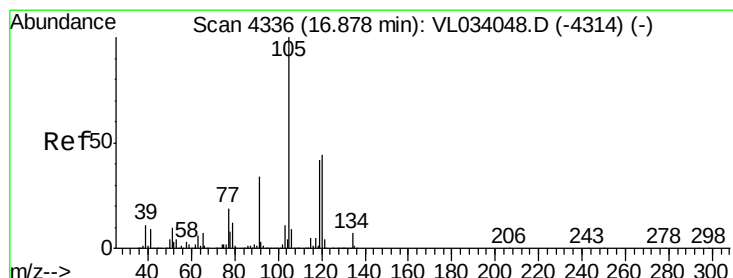
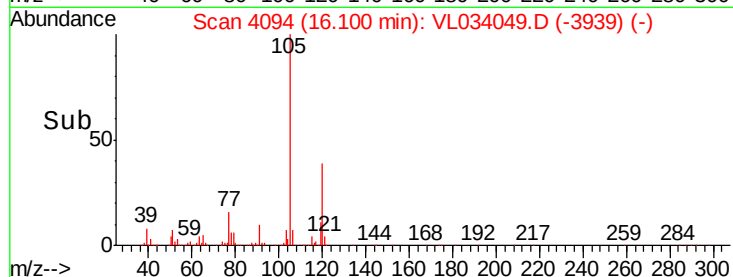
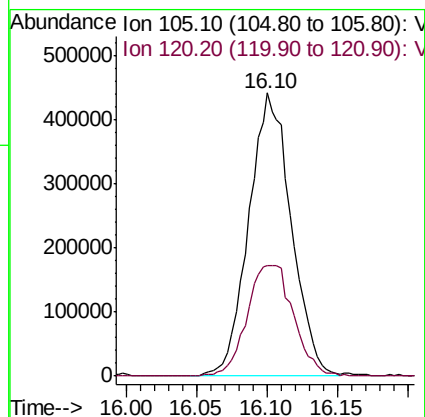
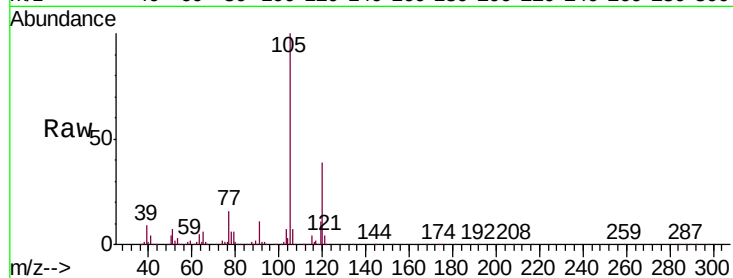
VSTDIC002

Tgt Ion:105 Resp: 925589

Ion Ratio Lower Upper

105 100

120 39.2 34.7 52.1



#74

1,2,4-Trimethylbenzene

Concen: 2.329 ppbv

RT: 16.87 min Scan# 4333

Delta R.T. -0.01 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Tgt Ion:105 Resp: 1028038

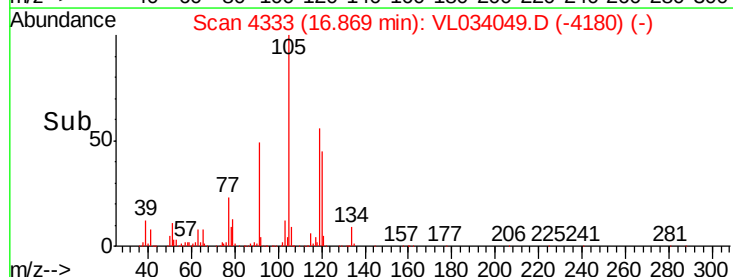
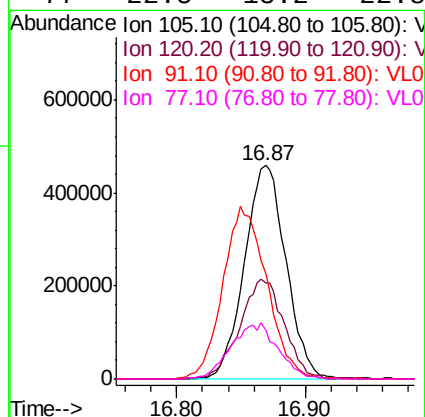
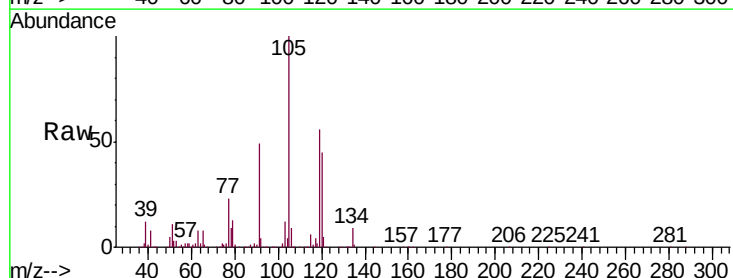
Ion Ratio Lower Upper

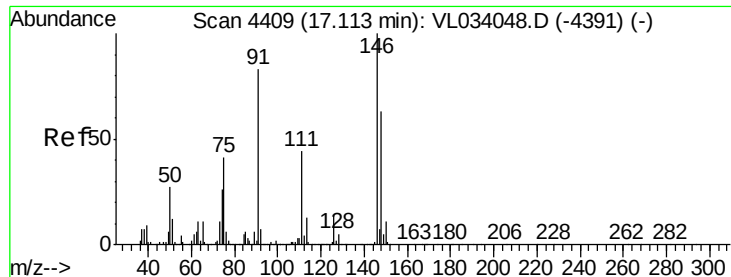
105 100

120 44.7 35.6 53.4

91 48.8 28.0 42.0#

77 22.5 15.2 22.8

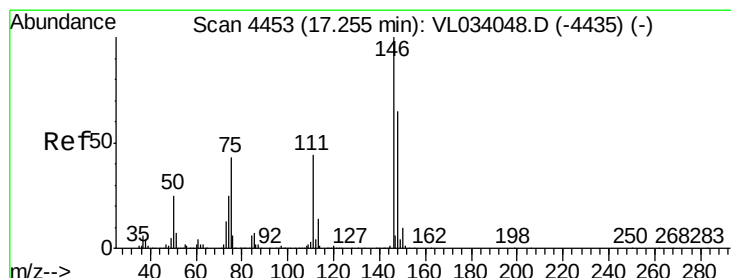
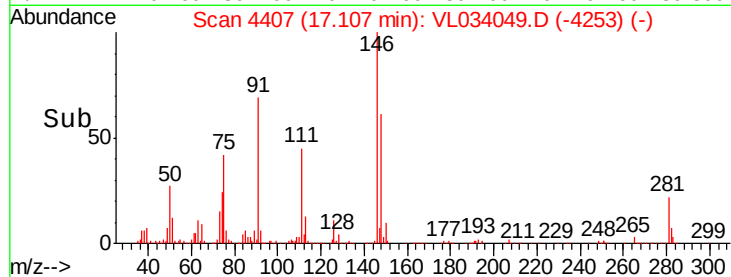
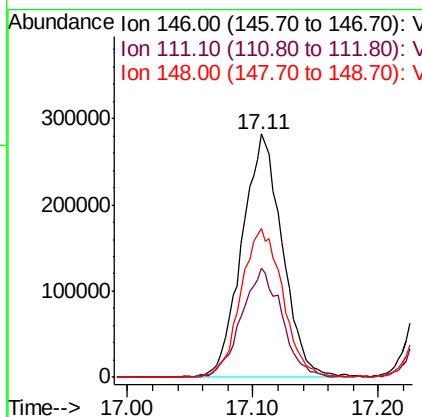
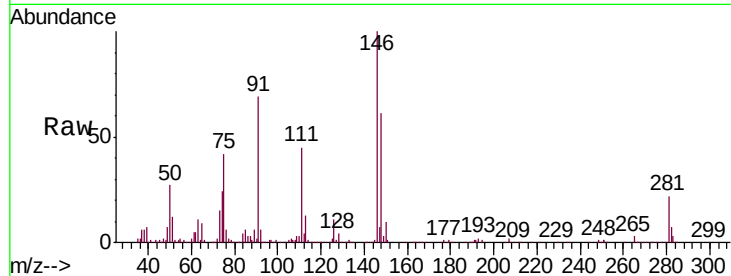




#75
 1,3-Dichlorobenzene
 Concen: 2.240 ppbv
 RT: 17.11 min Scan# 4407
 Delta R.T. -0.01 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

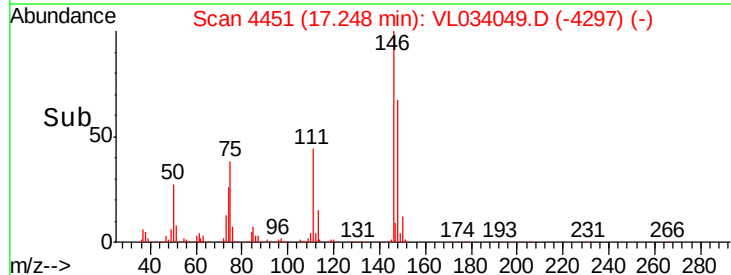
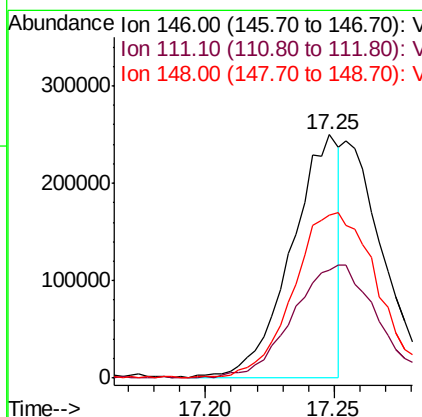
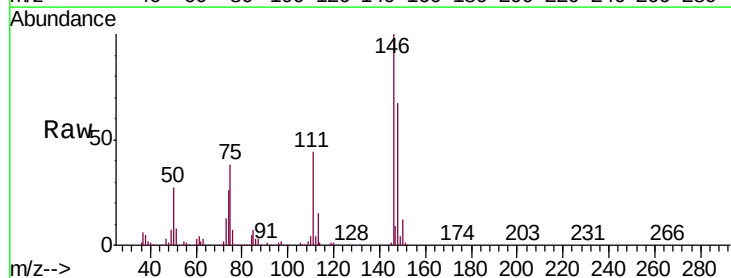
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

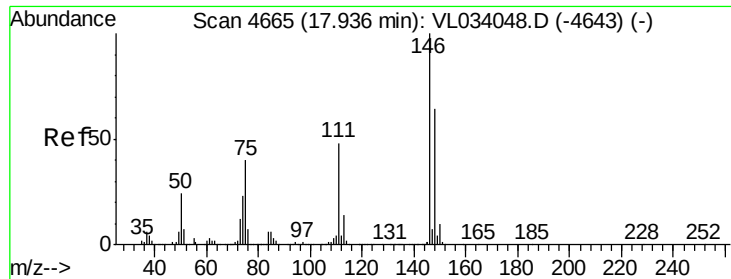
Tgt Ion:146 Resp: 630799
 Ion Ratio Lower Upper
 146 100
 111 45.3 22.1 66.5
 148 63.5 32.0 96.2



#76
 1,4-Dichlorobenzene
 Concen: 1.210 ppbv
 RT: 17.25 min Scan# 4451
 Delta R.T. -0.01 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

Tgt Ion:146 Resp: 320730
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.8 65.4#
 148 0.0 32.3 96.9#

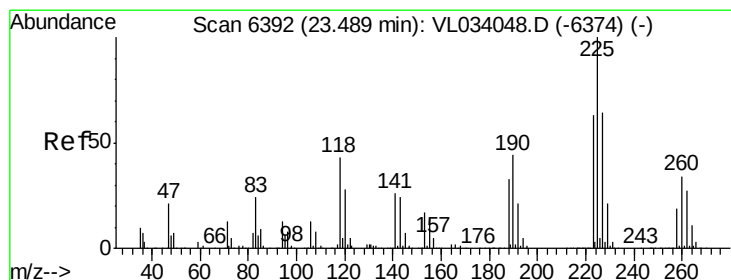
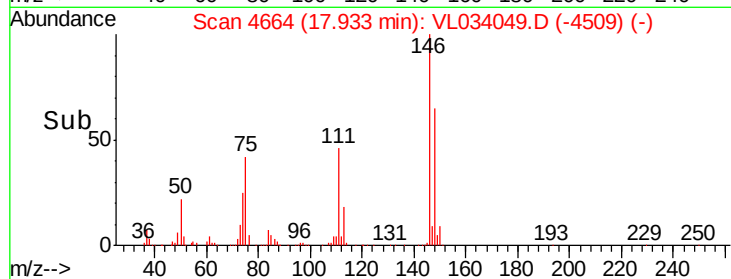
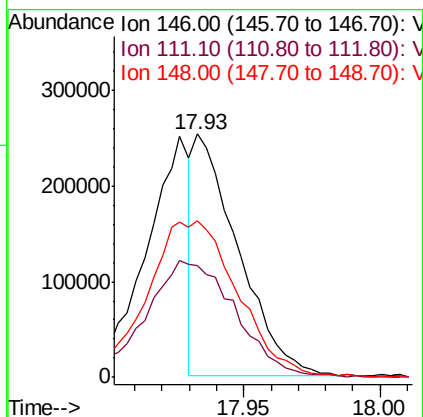
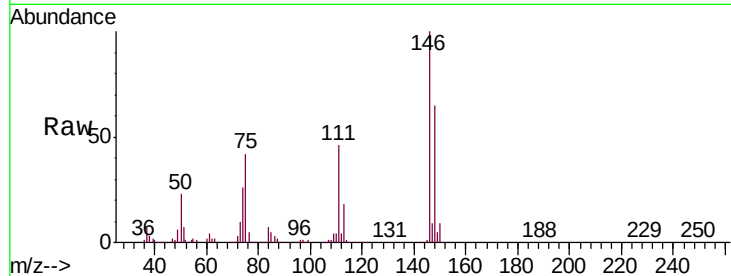




#77
 1,2-Dichlorobenzene
 Concen: 1.092 ppbv
 RT: 17.93 min Scan# 4664
 Delta R.T. -0.00 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

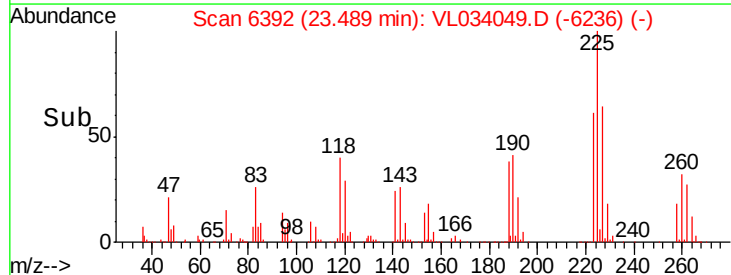
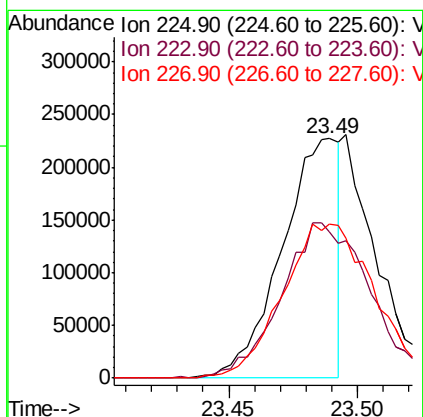
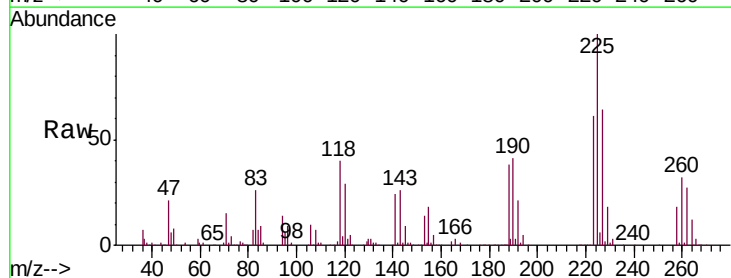
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

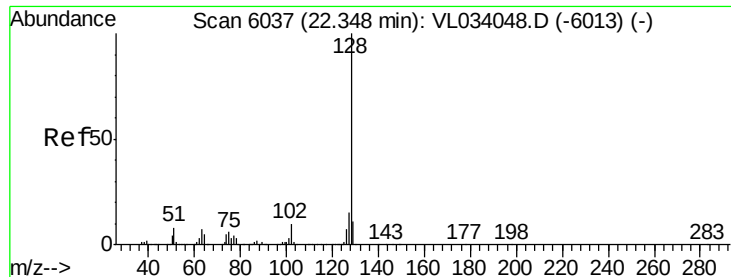
Tgt Ion:146 Resp: 284176
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.4 70.2#
 148 134.0 32.3 96.9#



#78
 Hexachloro-1,3-Butadiene
 Concen: 1.528 ppbv
 RT: 23.49 min Scan# 6392
 Delta R.T. 0.00 min
 Lab File: VL034049.D
 Acq: 30 Jul 2019 2:48

Tgt Ion:225 Resp: 347109
 Ion Ratio Lower Upper
 225 100
 223 100.6 49.6 74.4#
 227 103.2 51.4 77.2#





#79

Naphthalene

Concen: 2.492 ppbv

RT: 22.34 min Scan# 6036

Delta R.T. -0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

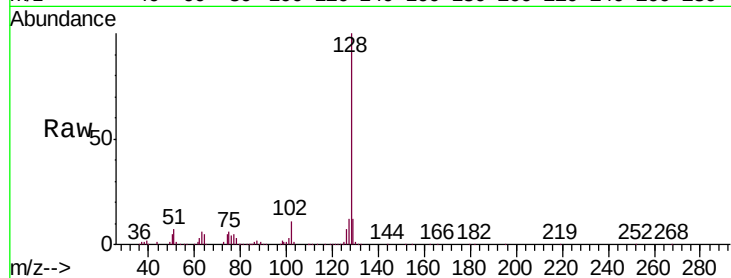
Tgt Ion:128 Resp: 926292

Ion Ratio Lower Upper

128 100

127 11.9 11.8 17.6

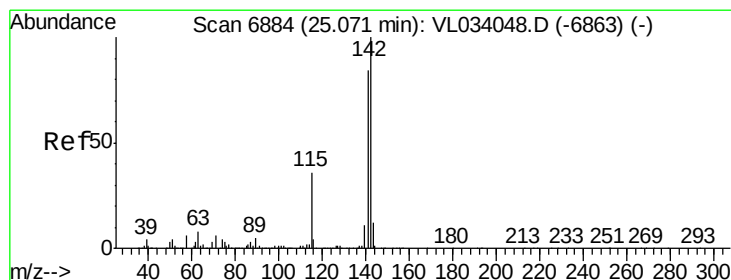
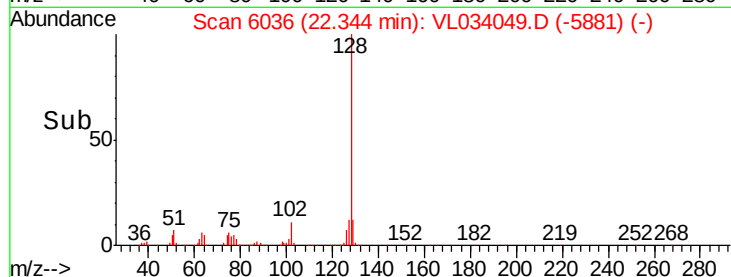
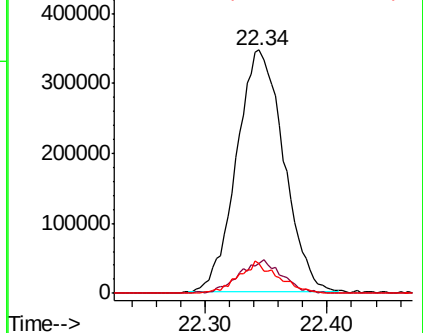
129 12.5 9.1 13.7



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: 2.346 ppbv

RT: 25.07 min Scan# 6884

Delta R.T. 0.00 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

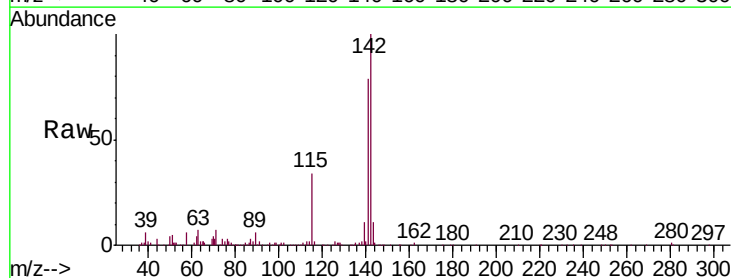
Tgt Ion:142 Resp: 315674

Ion Ratio Lower Upper

142 100

141 83.6 67.6 101.4

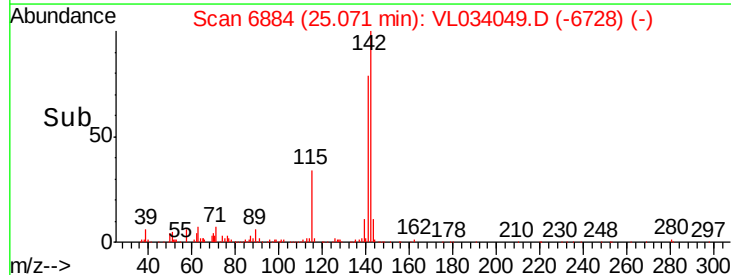
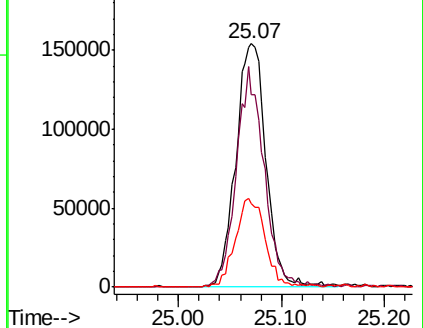
115 36.8 29.8 44.6

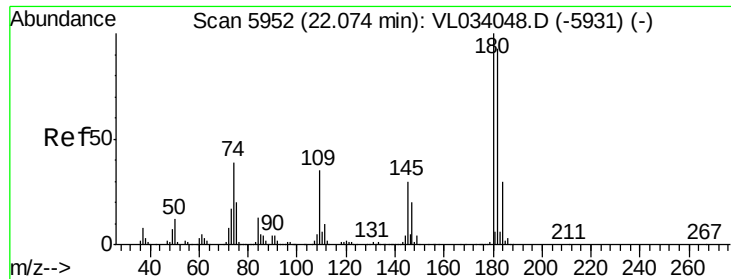


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 2.484 ppbv

RT: 22.06 min Scan# 5949

Delta R.T. -0.01 min

Lab File: VL034049.D

Acq: 30 Jul 2019 2:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

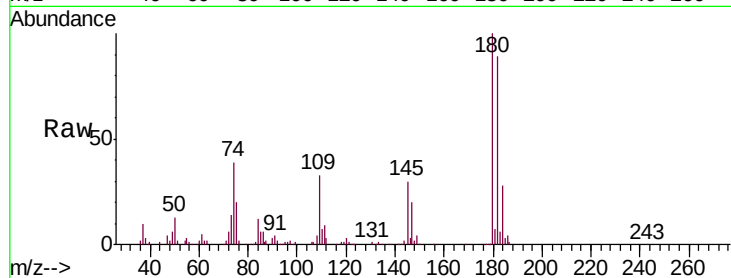
Tgt Ion:180 Resp: 596910

Ion Ratio Lower Upper

180 100

182 95.4 76.5 114.7

184 30.2 24.5 36.7



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

