

Data File : VL033114.D
Acq On : 28 Jan 2019 15:41
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Jan 28 16:25:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012819AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1785710	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	4365855	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	5372629	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	3281808	7.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	2158719	6.496	ppbv	100
3) Chlorodifluoromethane	3.01	51	1243126	6.150	ppbv	100
4) Chloromethane	3.17	50	687357	5.937	ppbv	100
5) Vinyl Chloride	3.29	62	741506	6.342	ppbv	99
6) Bromomethane	3.51	94	480013	6.043	ppbv	96
7) Chloroethane	3.60	64	277499	6.069	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1815587	6.343	ppbv	100
9) Propene	3.04	41	519206	6.876	ppbv	99
10) Heptane	8.25	43	2128480	9.900	ppbv	100
11) Trichlorofluoromethane	4.00	101	1923136	5.237	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1948987	8.394	ppbv	99
13) Ethanol	3.65	45	136997	4.549	ppbv	95
14) Bromoethene	3.79	108	605855	5.908	ppbv	99
15) Acetone	3.90	43	1221917	4.944	ppbv	100
16) 1,3-Butadiene	3.36	39	557601	5.982	ppbv	92
17) tert-Butyl alcohol	4.35	59	315106	6.018	ppbv	99
18) 1,1-Dichloroethene	4.35	96	613289	5.734	ppbv	99
19) Isopropyl Alcohol	4.02	45	899795	5.288	ppbv	100
20) Methylene Chloride	4.41	84	537830	5.220	ppbv	98
21) Allyl Chloride	4.48	41	1014939	6.626	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	907850	8.563	ppbv	97
23) Vinyl Acetate	5.15	43	2951945	9.388	ppbv	99
24) 1,1-Dichloroethane	5.09	63	2272005	8.510	ppbv	100
25) Ethyl Acetate	5.77	43	3612979	8.648	ppbv	100
26) Hexane	5.78	57	1716922	8.728	ppbv	98
27) Carbon Disulfide	4.62	76	2262666	9.326	ppbv	98
28) Methyl tert-Butyl Ether	5.11	73	2783923	9.066	ppbv	100
29) Chloroform	5.85	83	2803273	8.362	ppbv	97
30) Cyclohexane	7.25	84	1434021	9.776	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1698670	9.299	ppbv	93
32) 1,1,1-Trichloroethane	6.62	97	2838073	8.341	ppbv	99
34) 2-Butanone	5.33	43	2288643	9.022	ppbv	100
35) Carbon Tetrachloride	7.13	117	3008227	8.022	ppbv	99
36) Benzene	7.00	78	3346091	9.356	ppbv	100
37) 1,2-Dichloroethane	6.41	62	2169386	8.688	ppbv	100
38) Trichloroethene	7.96	130	1448519	9.846	ppbv	94
39) 1,2-Dichloropropane	7.74	63	1294932	9.639	ppbv	96
40) 1,4-Dioxane	7.95	88	470814	9.232	ppbv	94
41) Tetrahydrofuran	6.15	42	1308145	10.132	ppbv	99
42) Bromodichloromethane	7.92	83	3068965	8.947	ppbv	97
43) Methyl Methacrylate	8.13	69	1405655	10.475	ppbv	100

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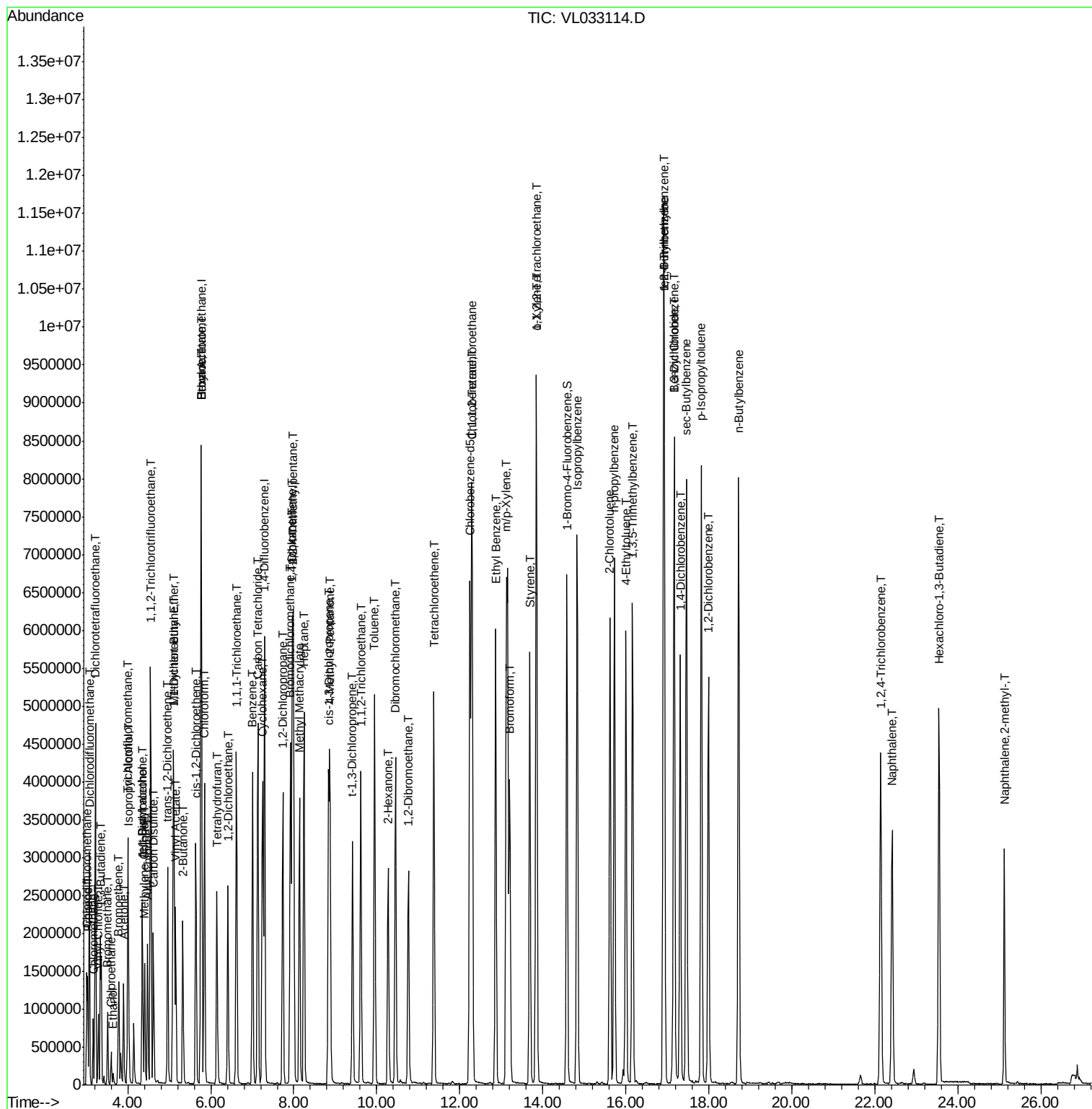
Quant Time: Jan 28 16:25:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012819AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019
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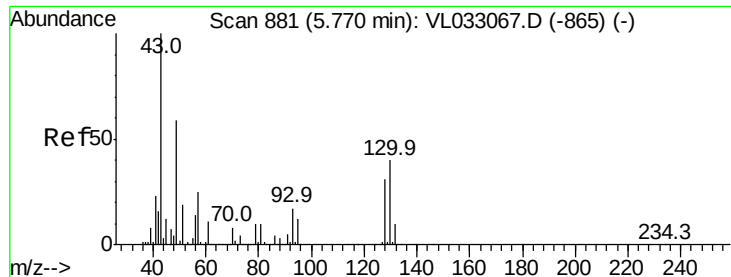
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	5835420	9.635	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1905220	11.406	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	2206016	11.571	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	1449612	9.235	ppbv	97
48) Dibromochloromethane	10.45	129	2681598	9.669	ppbv	100
49) Bromoform	13.20	173	2306986	9.521	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	3328801	10.356	ppbv	99
51) 2-Hexanone	10.27	43	2535054	10.900	ppbv	99
52) Tetrachloroethene	11.37	164	1255378	9.931	ppbv	99
53) Toluene	9.95	91	4040267	10.542	ppbv	100
54) 1,2-Dibromoethane	10.76	107	2275049	10.060	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1886559	6.796	ppbv	99
57) Chlorobenzene	12.30	112	3164691	7.057	ppbv	97
58) Ethyl Benzene	12.86	91	5513895	8.129	ppbv	100
59) m/p-Xylene	13.12	91	4989366	7.951	ppbv #	100
60) o-Xylene	13.85	91	4538752	7.388	ppbv	99
61) Styrene	13.69	104	3408404	8.695	ppbv	99
62) Isopropylbenzene	14.83	105	6422567	7.346	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	3157329	6.919	ppbv	100
64) n-propylbenzene	15.72	120	1646397	7.413	ppbv	99
65) tert-Butylbenzene	16.91	119	5634771	7.276	ppbv	100
66) Benzyl Chloride	17.16	91	3428779	7.769	ppbv	100
67) sec-Butylbenzene	17.46	105	7976272	7.197	ppbv	99
69) p-Isopropyltoluene	17.81	119	6644772	7.387	ppbv	99
70) n-Butylbenzene	18.72	91	6768881	7.486	ppbv	99
71) 2-Chlorotoluene	15.62	91	4782611	7.714	ppbv	100
72) 4-Ethyltoluene	16.00	105	5232528	7.751	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	4979107	7.475	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	5140773	6.968	ppbv	95
75) 1,3-Dichlorobenzene	17.17	146	2918140	6.720	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	2892612	7.313	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	2821647	7.215	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1284030	4.275	ppbv	100
79) Naphthalene	22.42	128	4309647	6.935	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	1578630	8.372	ppbv	98
81) 1,2,4-Trichlorobenzene	22.14	180	2057197	6.853	ppbv	99

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

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VSTDICCC010

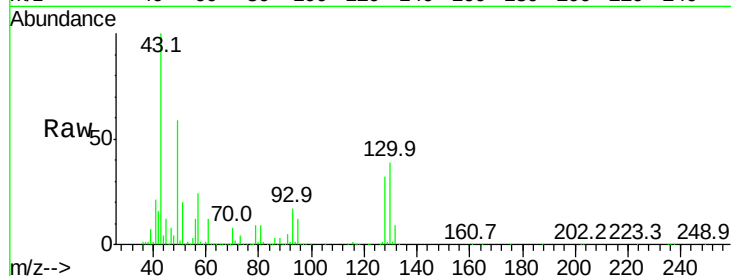
Tgt Ion: 49 Resp: 1785710

Ion Ratio Lower Upper

49 100

128 51.8 26.2 78.5

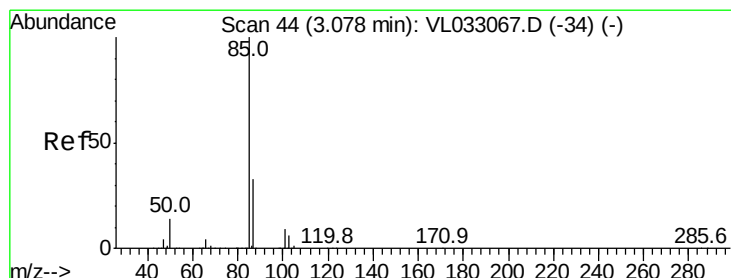
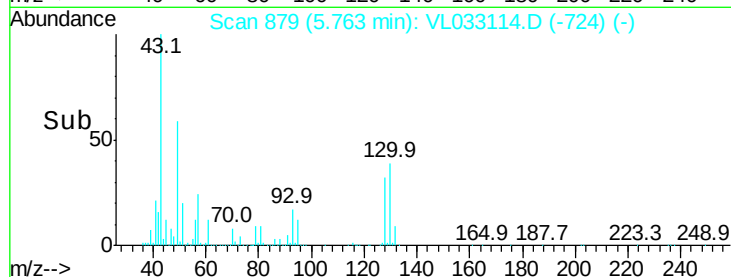
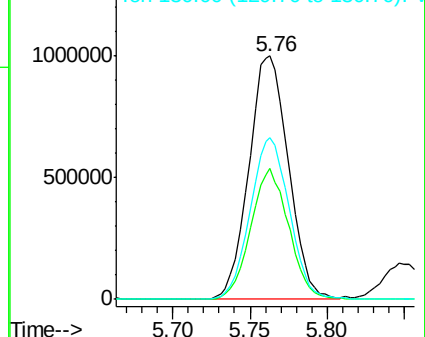
130 65.8 33.6 100.6



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: 6.496 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033114.D

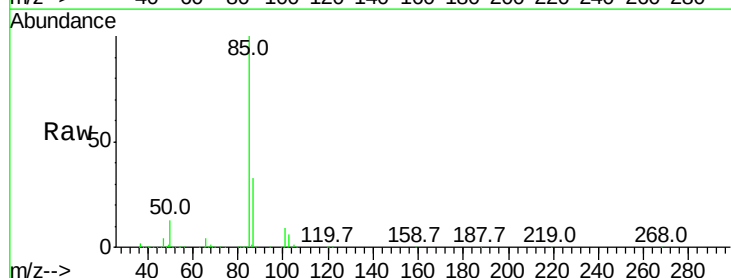
Acq: 28 Jan 2019 15:41

Tgt Ion: 85 Resp: 2158719

Ion Ratio Lower Upper

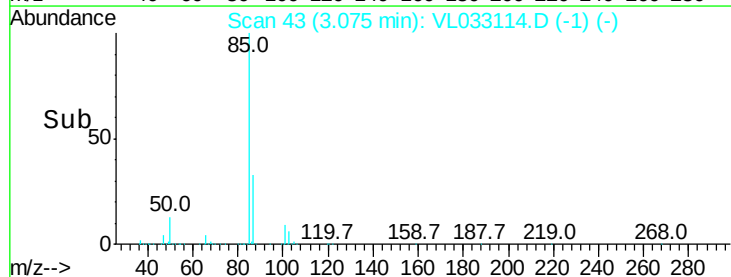
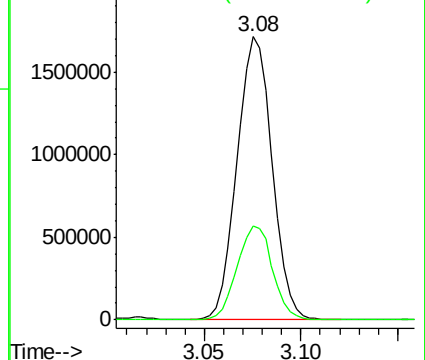
85 100

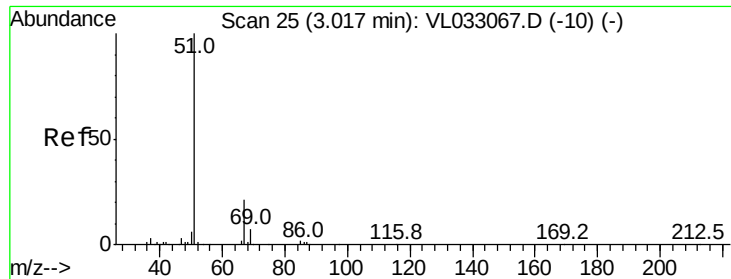
87 33.0 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

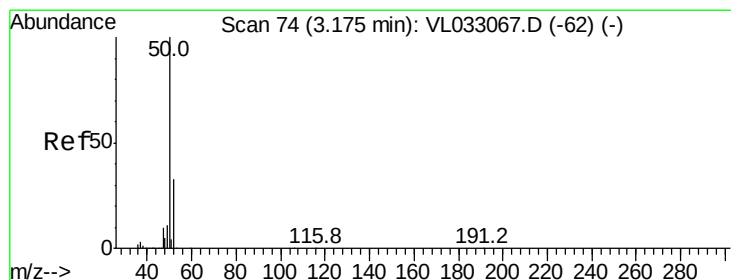
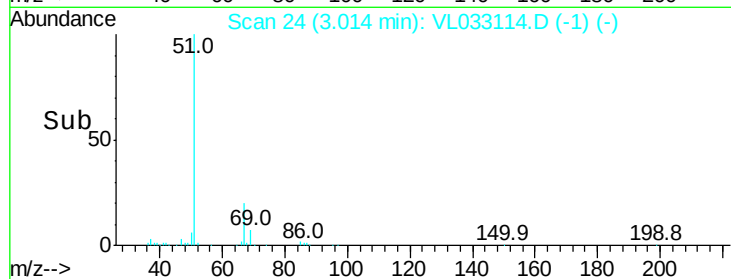
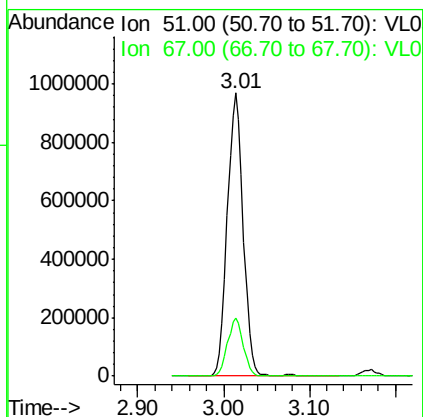
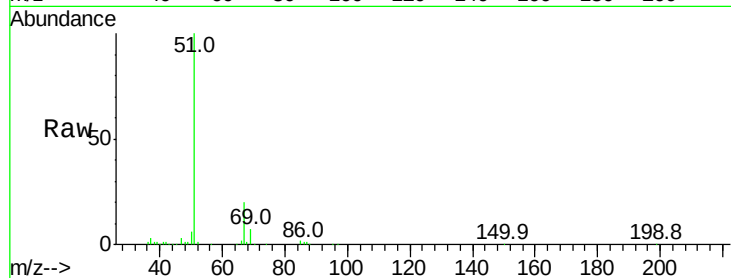




#3
 Chlorodifluoromethane
 Concen: 6.150 ppbv
 RT: 3.01 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

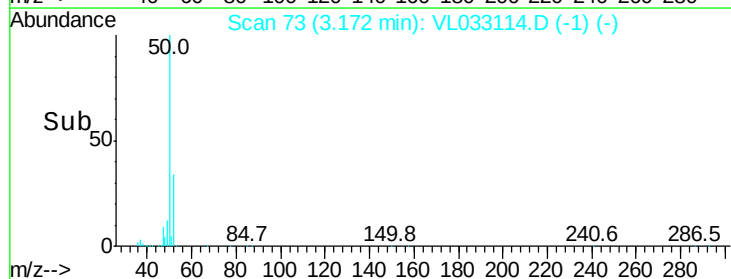
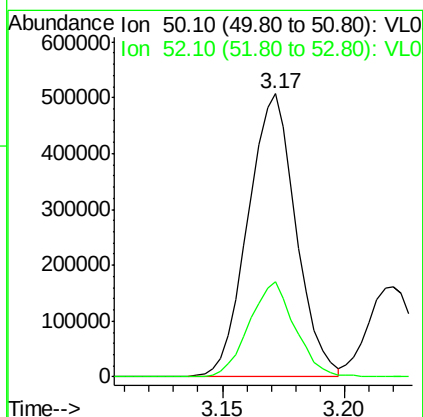
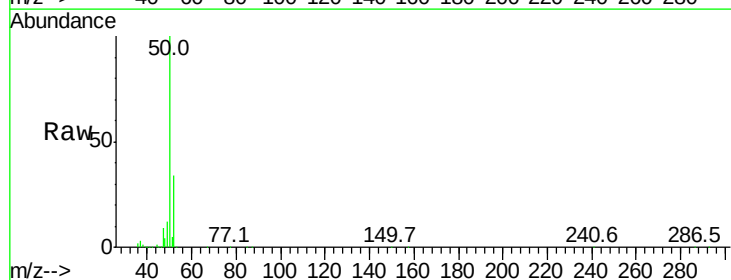
Instrument :
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 VSTDICCC010

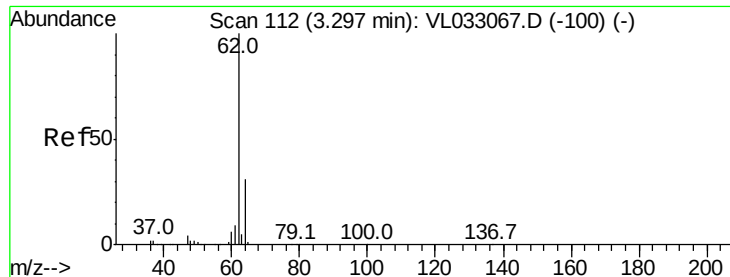
Tgt Ion: 51 Resp: 1243126
 Ion Ratio Lower Upper
 51 100
 67 20.2 16.3 24.5



#4
 Chloromethane
 Concen: 5.937 ppbv
 RT: 3.17 min Scan# 73
 Delta R.T. 0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Tgt Ion: 50 Resp: 687357
 Ion Ratio Lower Upper
 50 100
 52 33.7 26.9 40.3





#5

Vinyl Chloride

Concen: 6.342 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

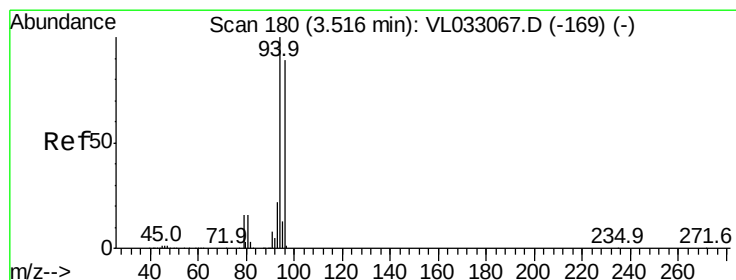
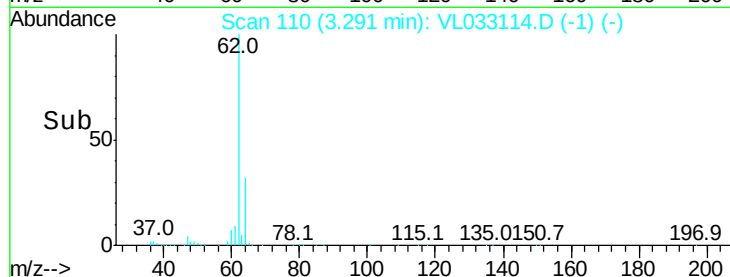
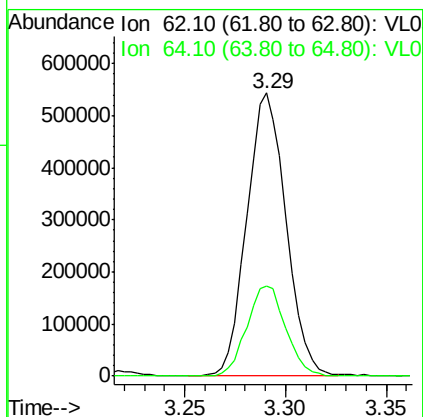
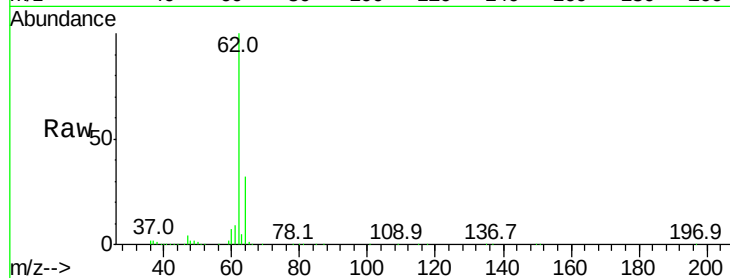
VSTDICCC010

Tgt Ion: 62 Resp: 741506

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9



#6

Bromomethane

Concen: 6.043 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033114.D

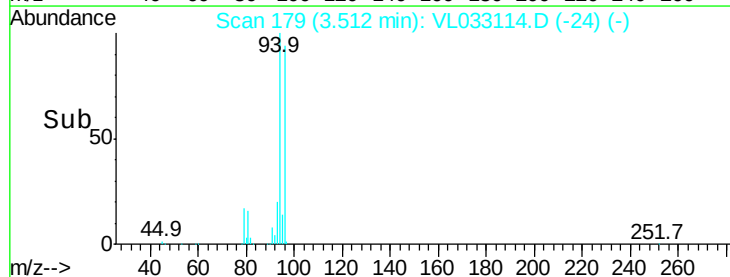
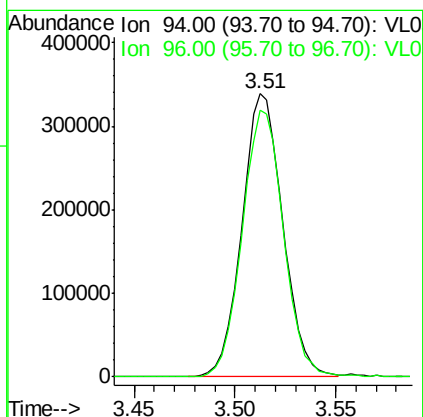
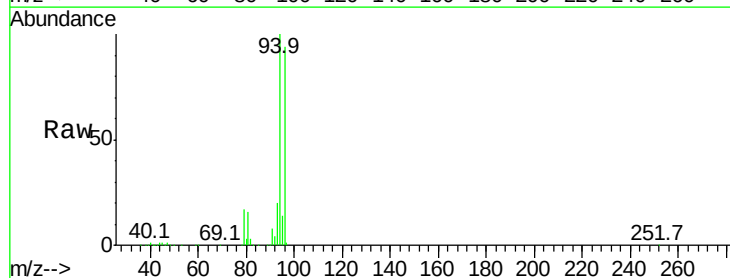
Acq: 28 Jan 2019 15:41

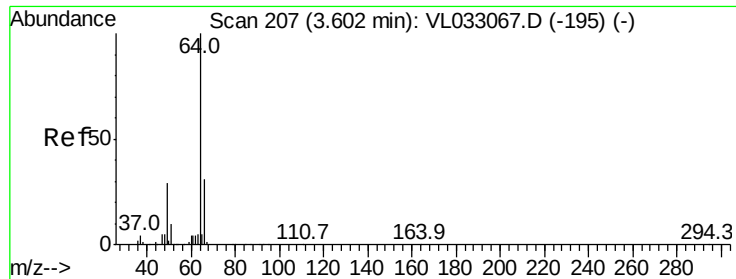
Tgt Ion: 94 Resp: 480013

Ion Ratio Lower Upper

94 100

96 94.3 72.8 109.2





#7

Chloroethane

Concen: 6.069 ppbv

RT: 3.60 min Scan# 206

Delta R.T. 0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

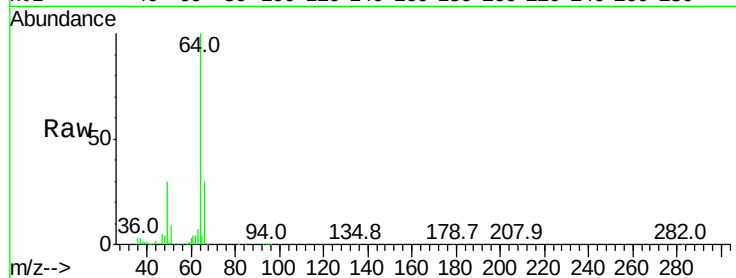
VSTDICCC010

Tgt Ion: 64 Resp: 277499

Ion Ratio Lower Upper

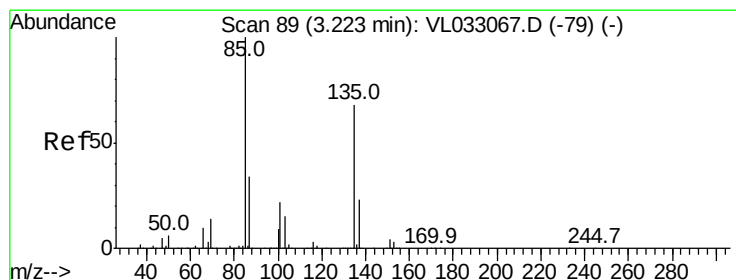
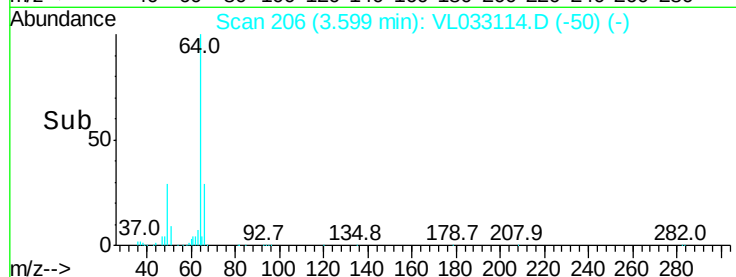
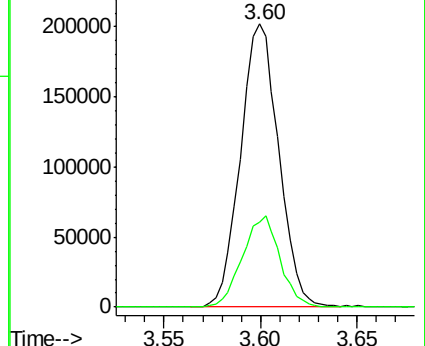
64 100

66 30.0 23.7 35.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 6.343 ppbv

RT: 3.22 min Scan# 88

Delta R.T. 0.00 min

Lab File: VL033114.D

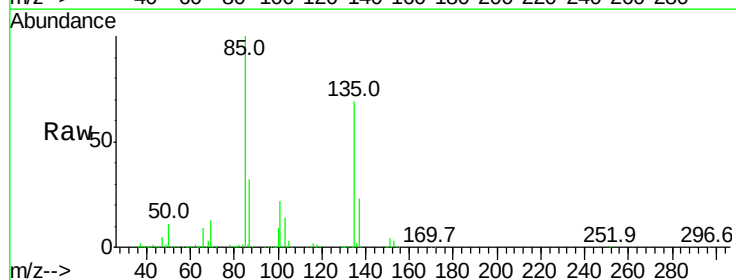
Acq: 28 Jan 2019 15:41

Tgt Ion: 85 Resp: 1815587

Ion Ratio Lower Upper

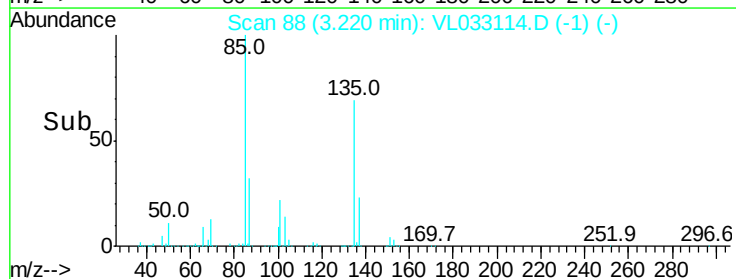
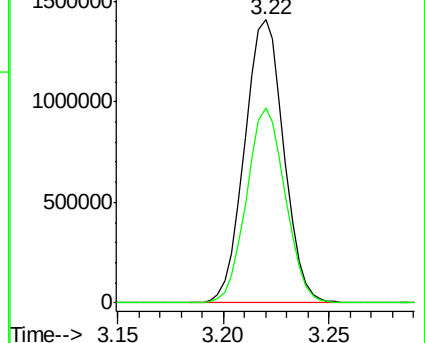
85 100

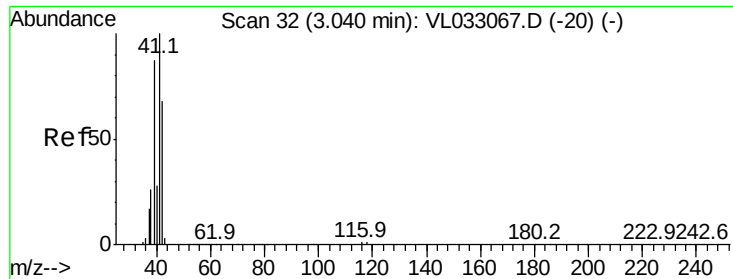
135 68.5 54.9 82.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 6.876 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

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ClientSampleId :

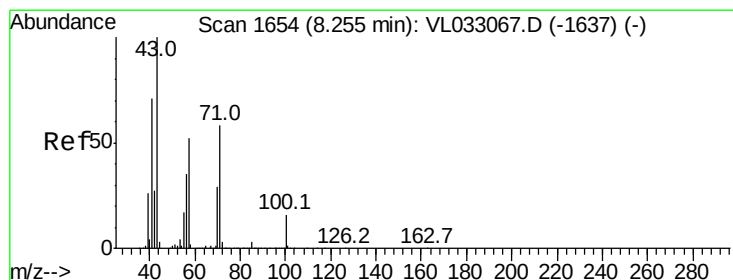
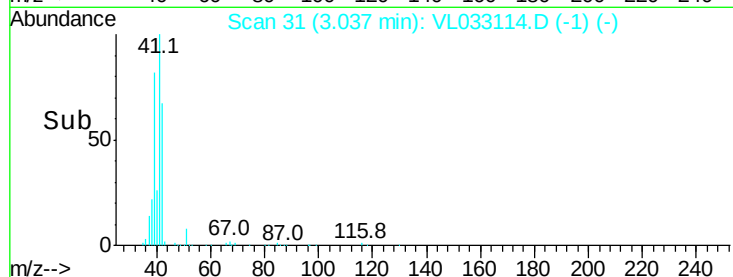
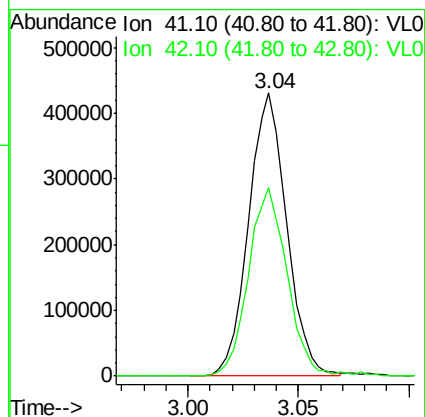
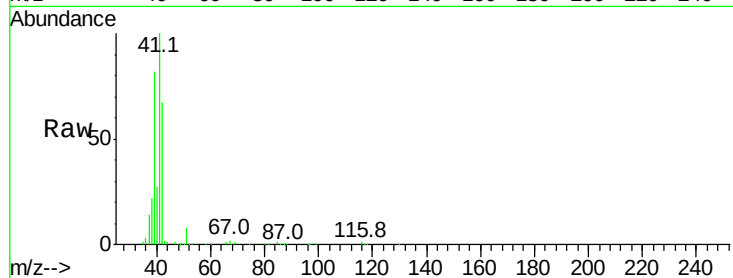
VSTDICCC010

Tgt Ion: 41 Resp: 519206

Ion Ratio Lower Upper

41 100

42 68.3 55.3 82.9



#10

Heptane

Concen: 9.900 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL033114.D

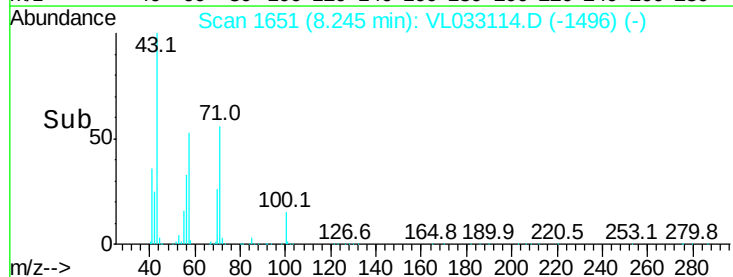
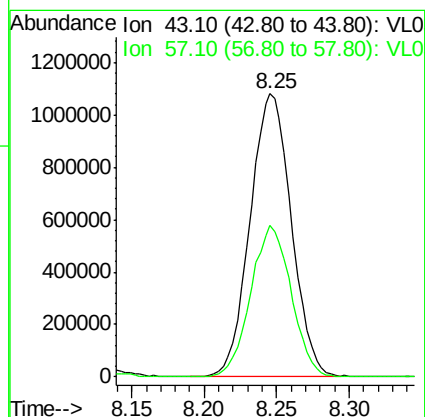
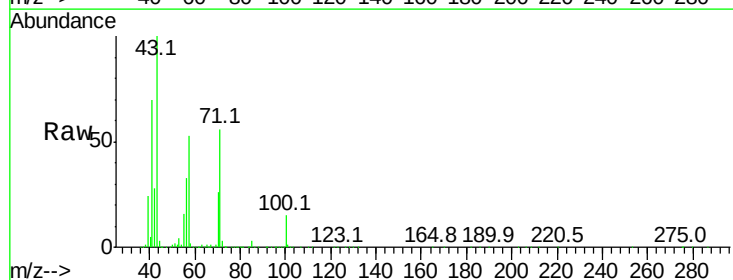
Acq: 28 Jan 2019 15:41

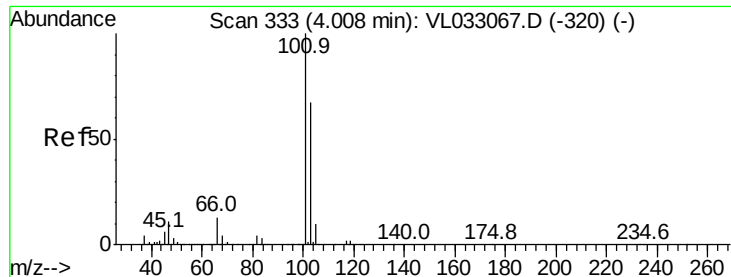
Tgt Ion: 43 Resp: 2128480

Ion Ratio Lower Upper

43 100

57 52.7 41.9 62.9

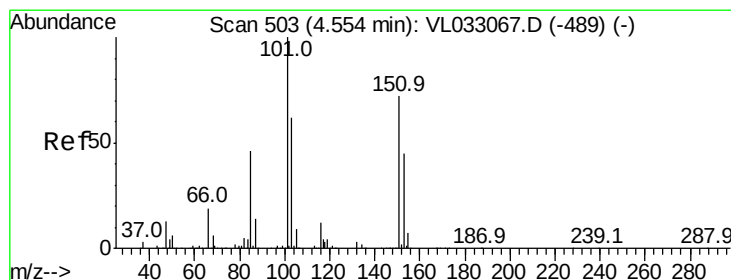
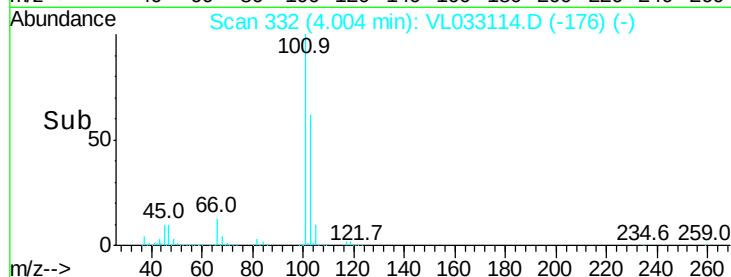
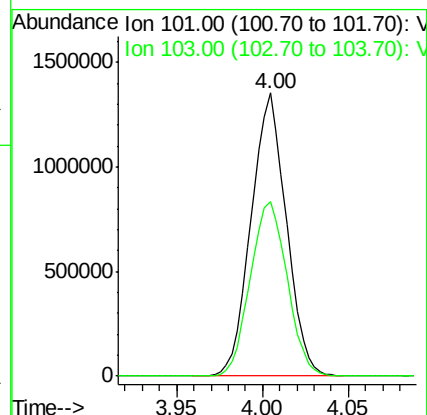
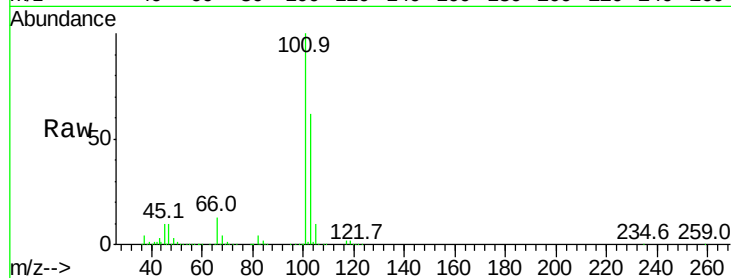




#11
 Trichlorofluoromethane
 Concen: 5.237 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

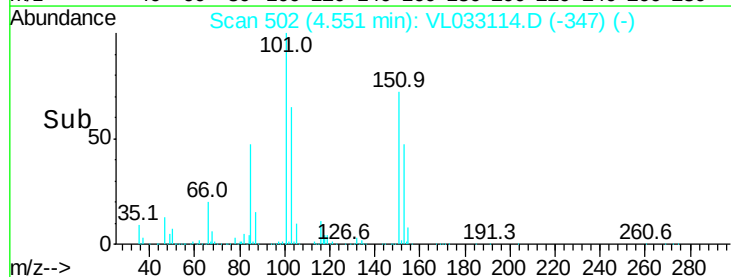
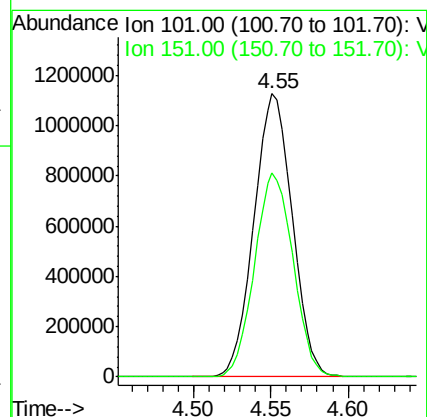
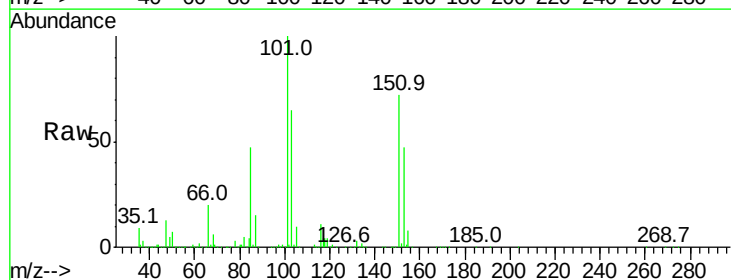
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

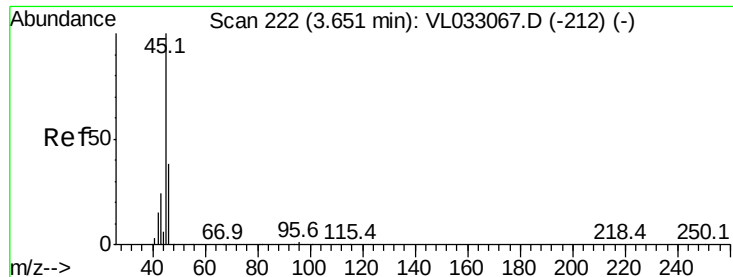
Tgt Ion:101 Resp: 1923136
 Ion Ratio Lower Upper
 101 100
 103 61.7 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.394 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Tgt Ion:101 Resp: 1948987
 Ion Ratio Lower Upper
 101 100
 151 72.4 58.3 87.5





#13

Ethanol

Concen: 4.549 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

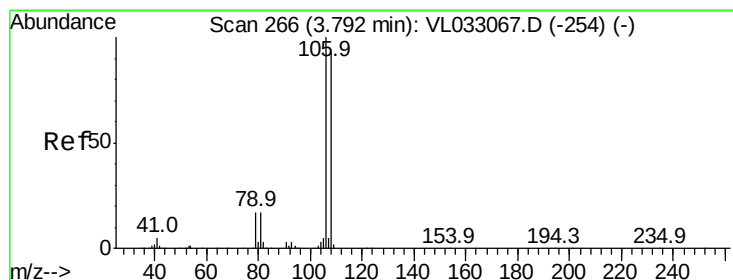
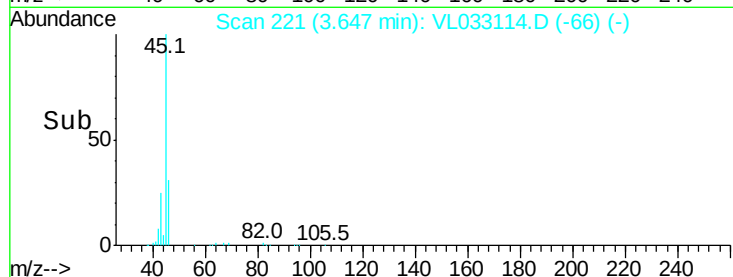
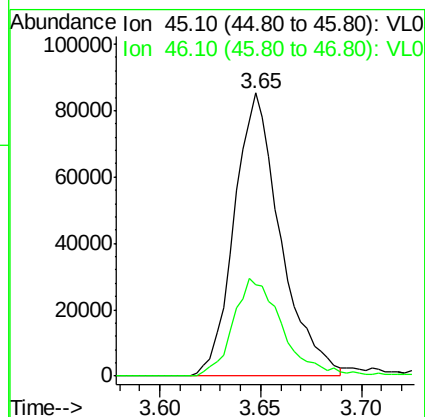
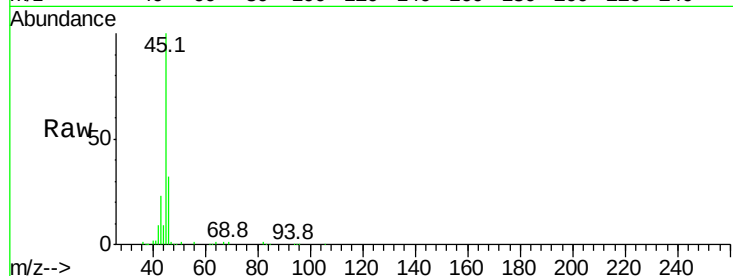
VSTDICCC010

Tgt Ion: 45 Resp: 136997

Ion Ratio Lower Upper

45 100

46 37.6 13.8 55.2



#14

Bromoethene

Concen: 5.908 ppbv

RT: 3.79 min Scan# 264

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

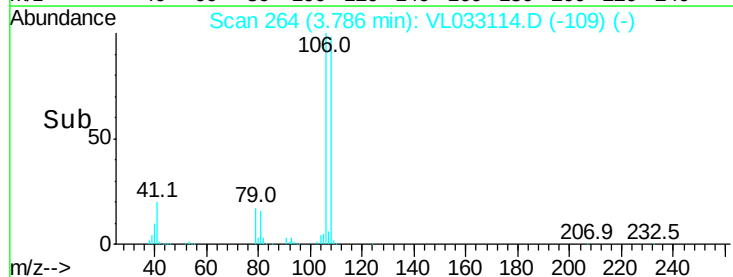
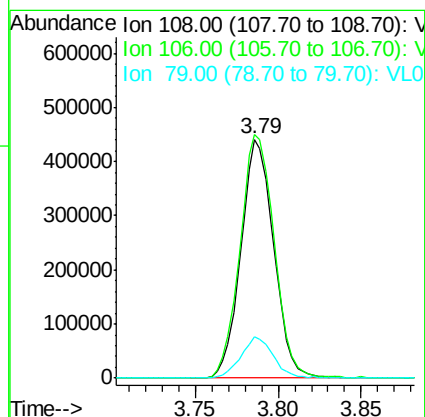
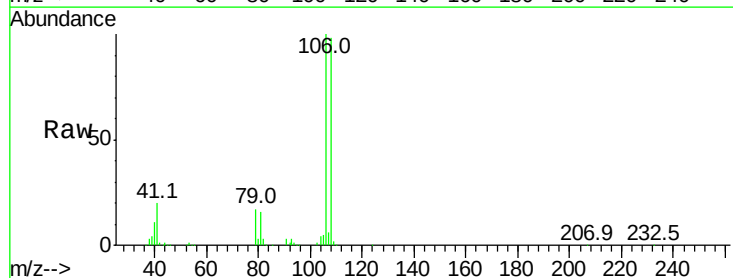
Tgt Ion: 108 Resp: 605855

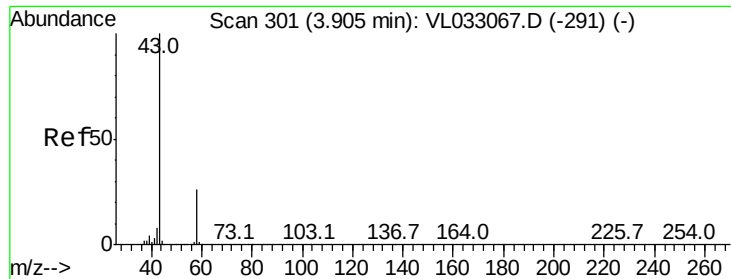
Ion Ratio Lower Upper

108 100

106 106.9 86.4 129.6

79 17.2 14.3 21.5

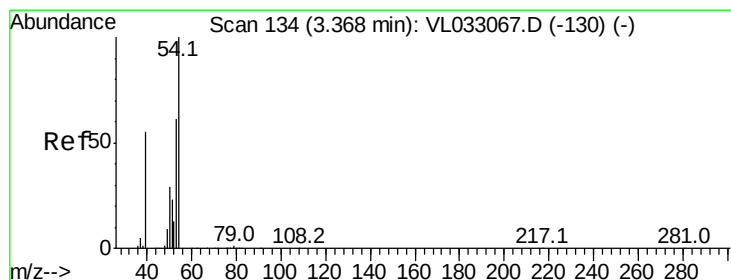
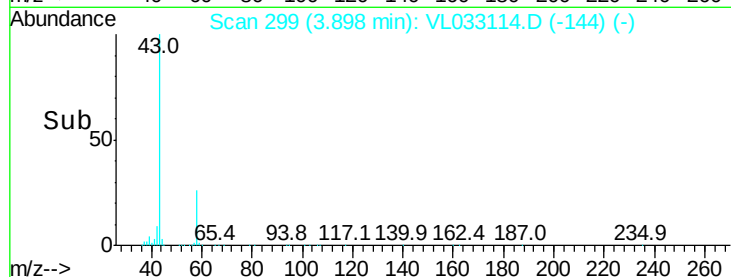
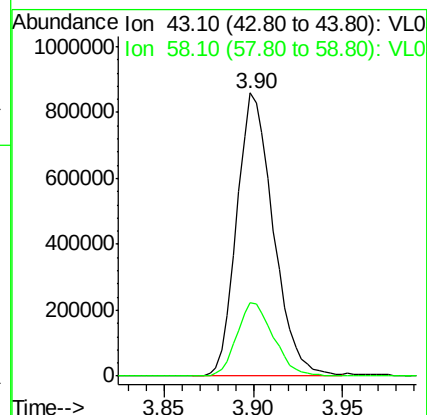
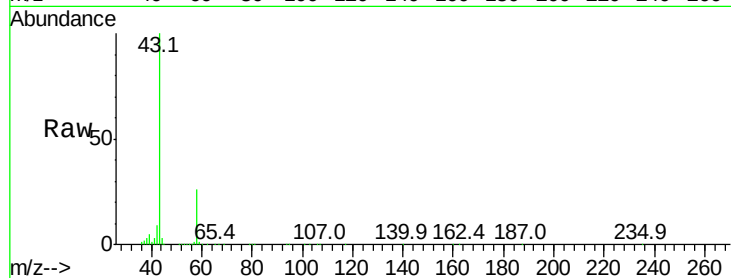




#15
Acetone
Concen: 4.944 ppbv
RT: 3.90 min Scan# 299
Delta R.T. -0.00 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

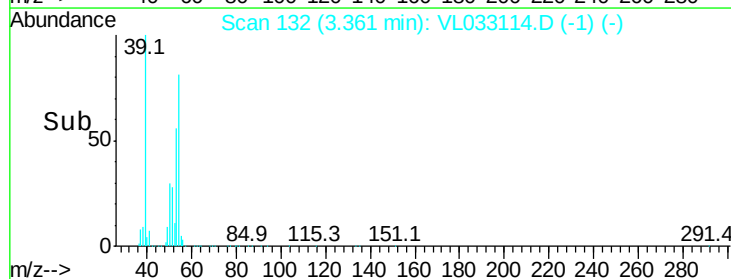
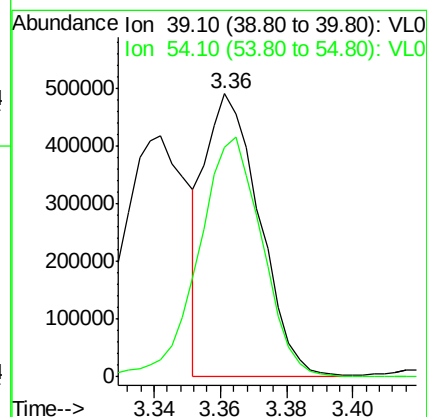
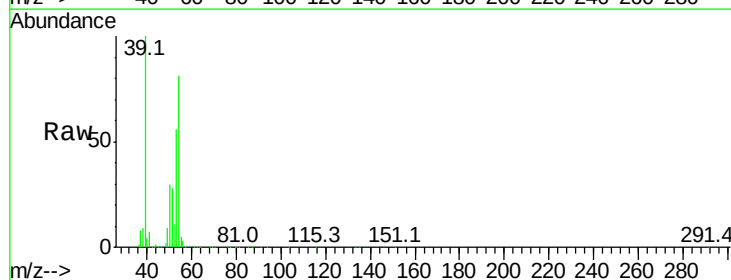
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

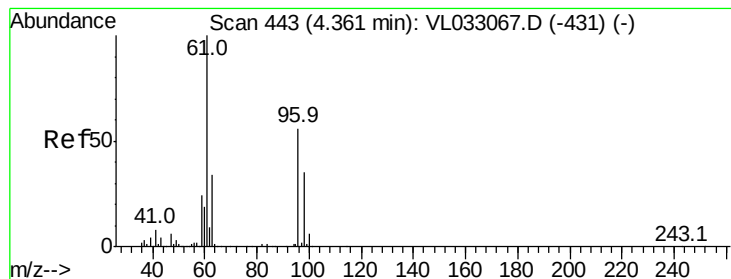
Tgt Ion: 43 Resp: 1221917
Ion Ratio Lower Upper
43 100
58 26.4 21.1 31.7



#16
1,3-Butadiene
Concen: 5.982 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Tgt Ion: 39 Resp: 557601
Ion Ratio Lower Upper
39 100
54 100.0 73.7 110.5



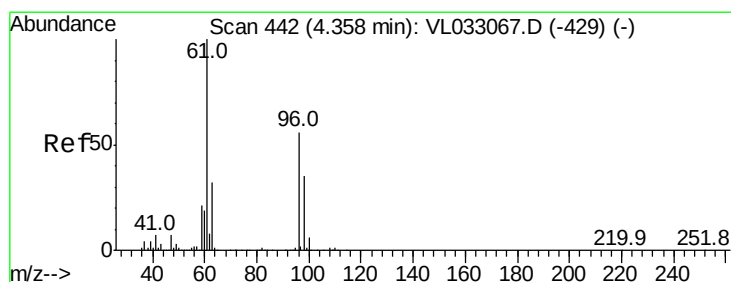
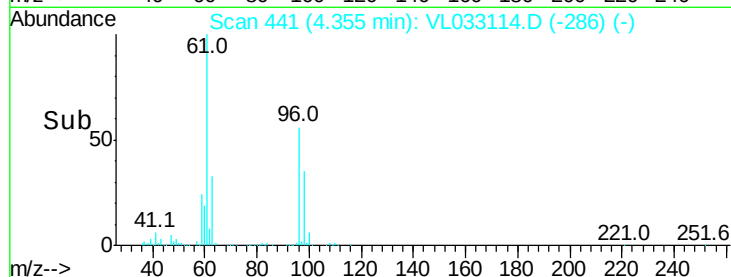
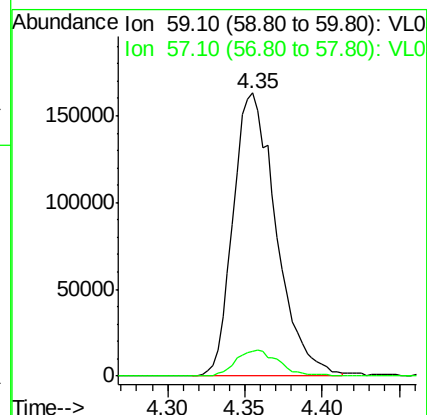
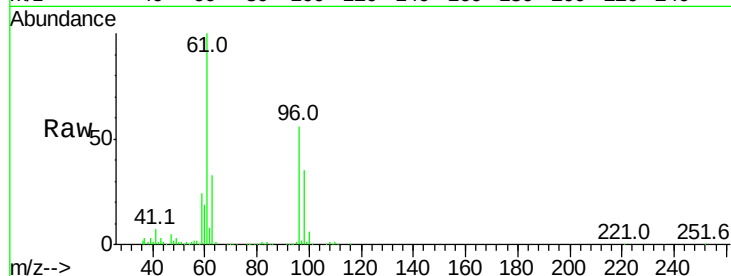


#17

tert-Butyl alcohol
Concen: 6.018 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

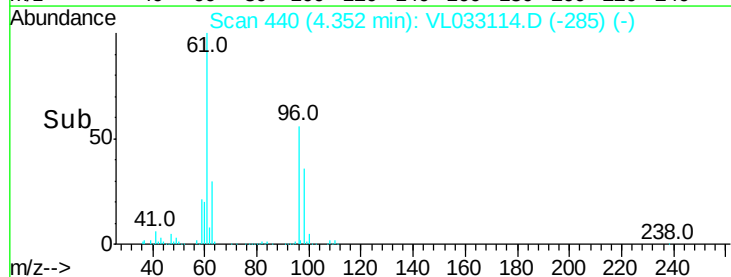
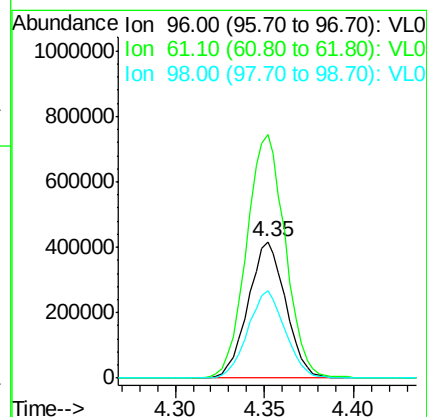
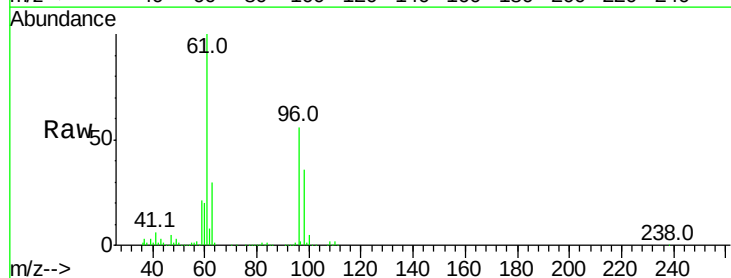
Tgt Ion: 59 Resp: 315106
Ion Ratio Lower Upper
59 100
57 9.3 7.7 11.5

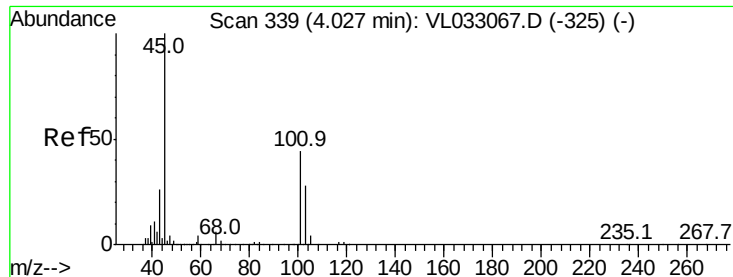


#18

1,1-Dichloroethene
Concen: 5.734 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Tgt Ion: 96 Resp: 613289
Ion Ratio Lower Upper
96 100
61 178.2 143.7 215.5
98 64.2 52.1 78.1





#19

Isopropyl Alcohol

Concen: 5.288 ppbv

RT: 4.02 min Scan# 337

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

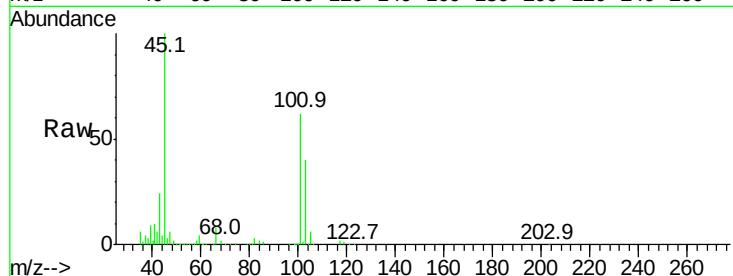
VSTDICCC010

Tgt Ion: 45 Resp: 899795

Ion Ratio Lower Upper

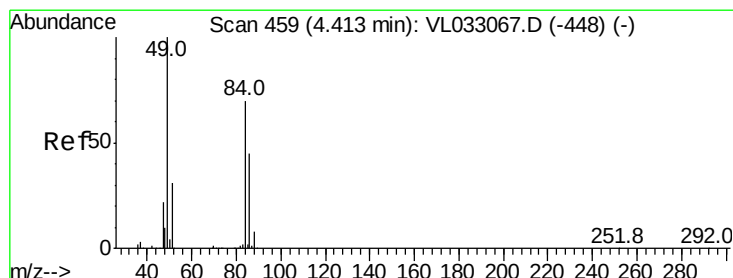
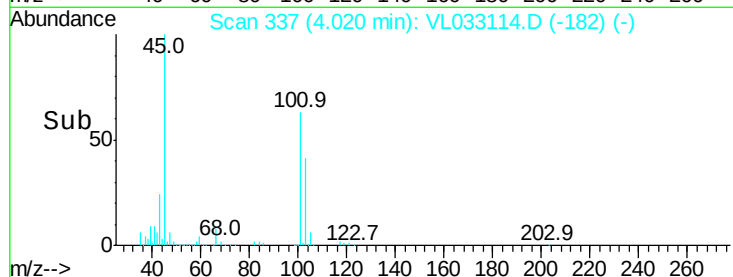
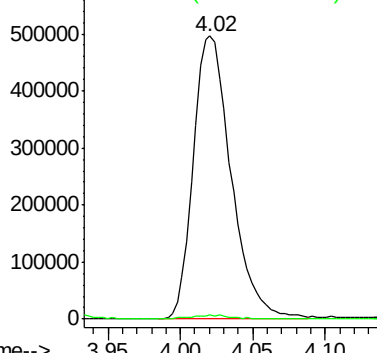
45 100

58 1.8 1.4 2.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 5.220 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Tgt Ion: 84 Resp: 537830

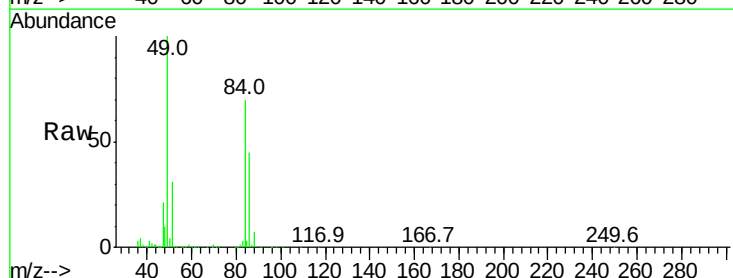
Ion Ratio Lower Upper

84 100

49 142.2 115.8 173.6

51 43.1 35.7 53.5

86 64.7 49.7 74.5

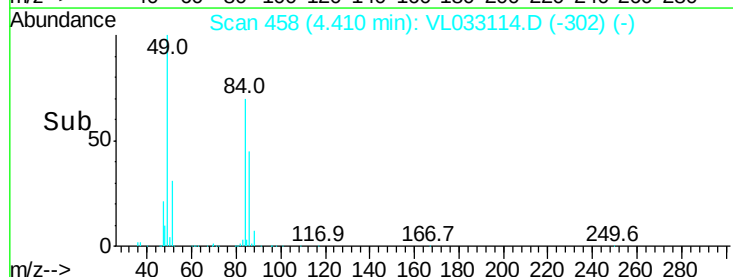
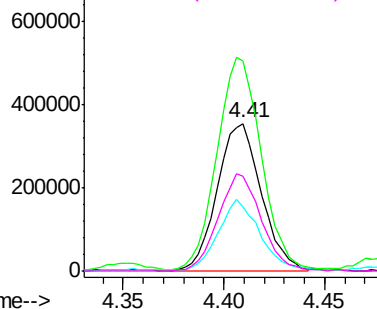


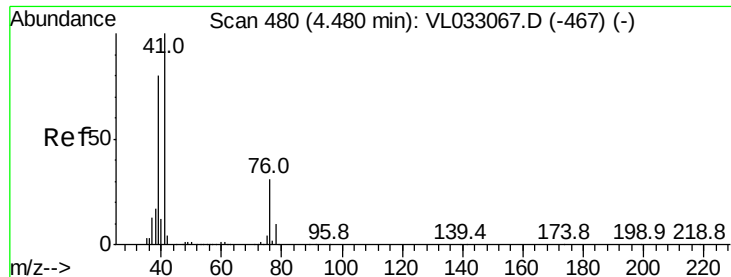
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allyl Chloride

Concen: 6.626 ppbv

RT: 4.48 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

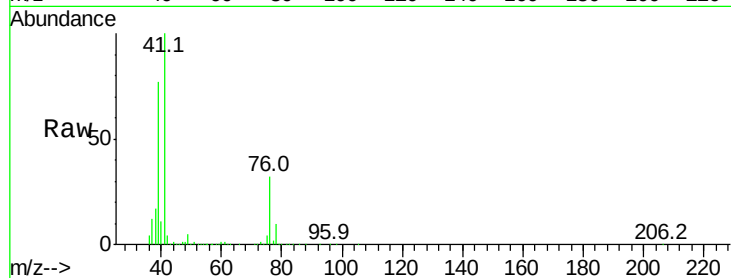
Tgt Ion: 41 Resp: 1014939

Ion Ratio Lower Upper

41 100

76 30.8 24.6 36.8

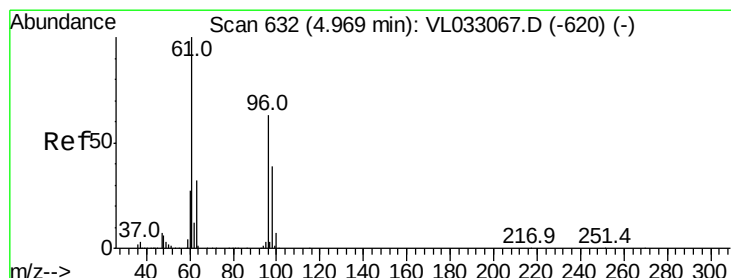
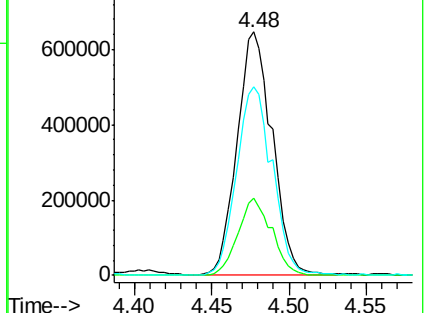
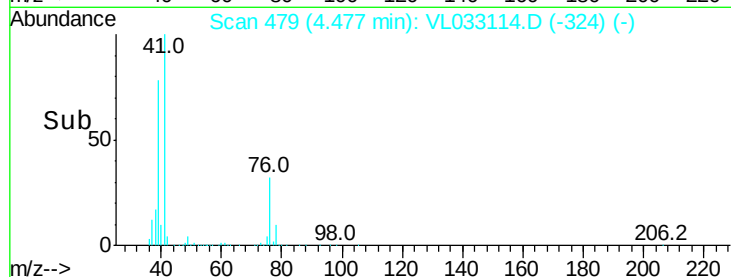
39 79.1 62.8 94.2



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: 8.563 ppbv

RT: 4.96 min Scan# 629

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

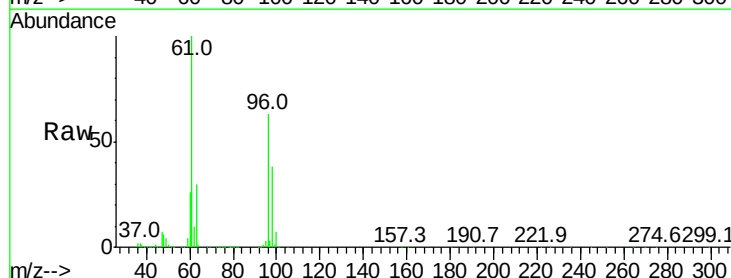
Tgt Ion: 96 Resp: 907850

Ion Ratio Lower Upper

96 100

61 159.5 125.2 187.8

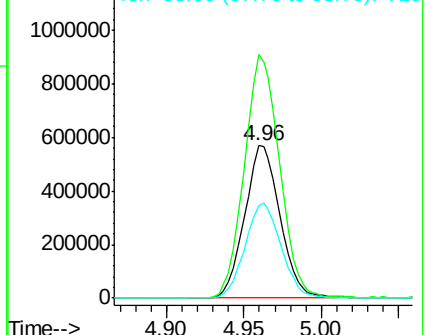
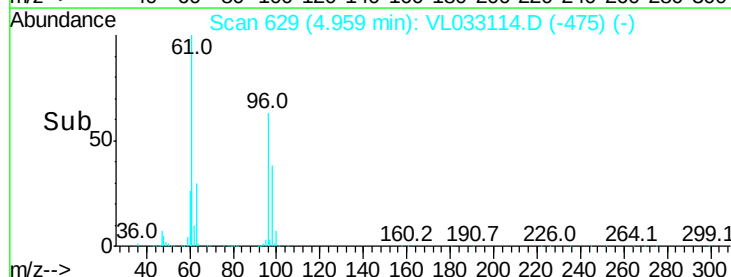
98 60.8 50.9 76.3

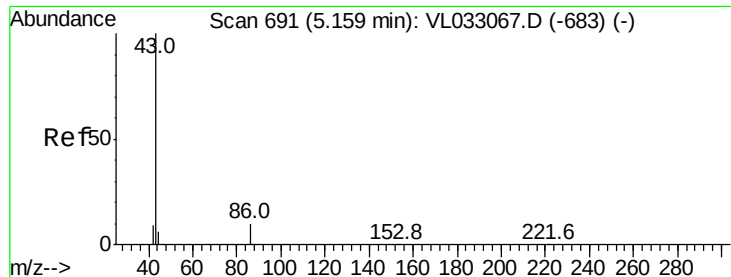


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.388 ppbv

RT: 5.15 min Scan# 689

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 2951945

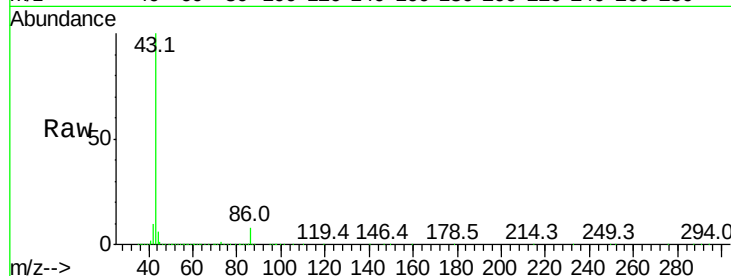
Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.2	9.4
42	10.1	8.1	12.1
44	5.4	4.3	6.5

43 100

86 8.4 6.2 9.4

42 10.1 8.1 12.1

44 5.4 4.3 6.5

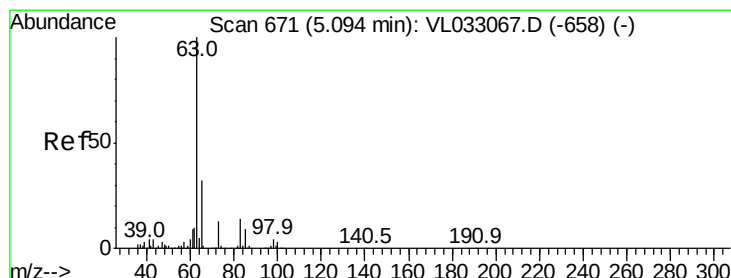
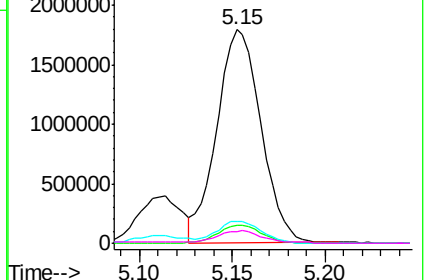
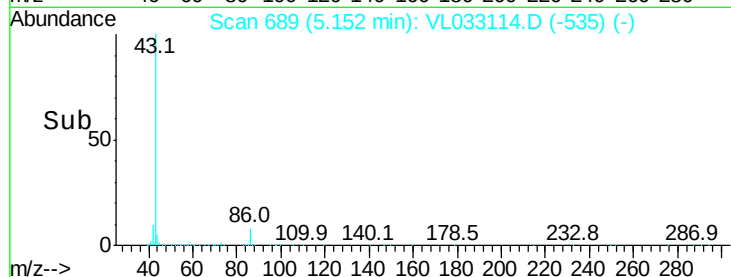


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.510 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

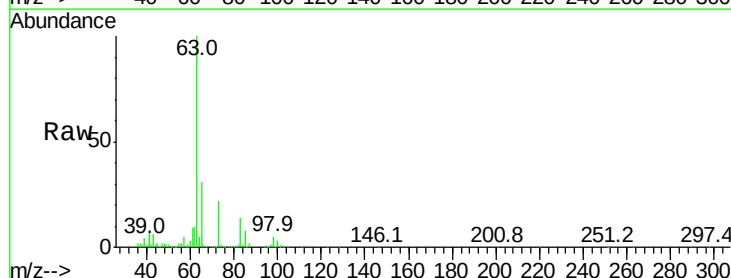
Tgt Ion: 63 Resp: 2272005

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.4	7.2
100	2.8	1.4	4.0

63 100

98 4.9 2.4 7.2

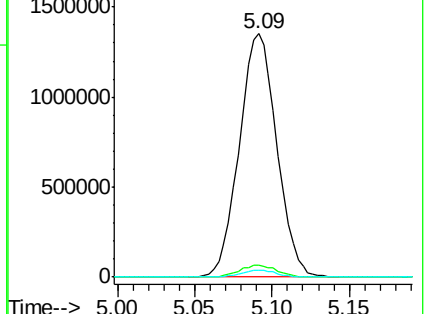
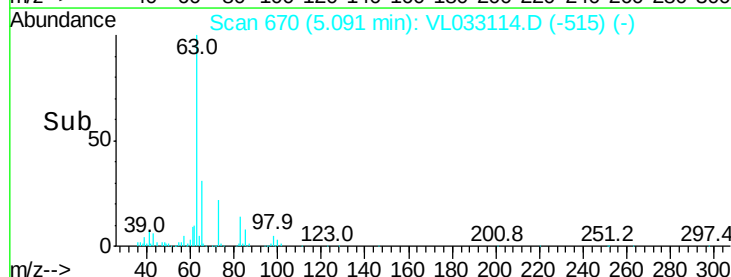
100 2.8 1.4 4.0

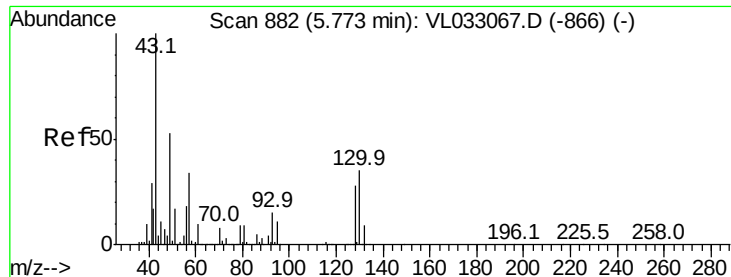


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.648 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 3612979

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.5	7.8	11.8
70	7.4	6.0	9.0

Abundance

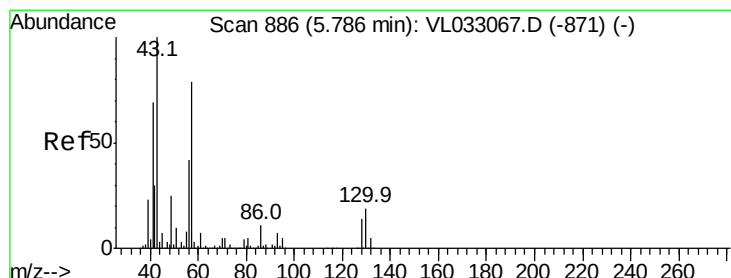
Ion 43.10 (42.80 to 43.80): VL0

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

Time-->



#26

Hexane

Concen: 8.728 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Tgt Ion: 57 Resp: 1716922

Ion	Ratio	Lower	Upper
57	100		
41	87.4	70.8	106.2
43	211.2	171.8	257.6
56	52.5	41.9	62.9

Abundance

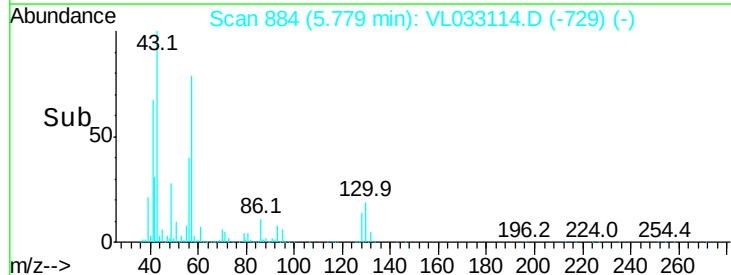
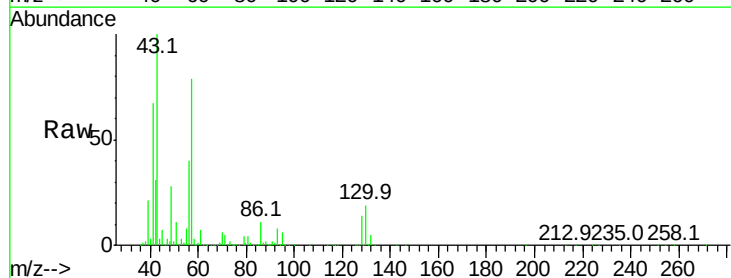
Ion 57.10 (56.80 to 57.80): VL0

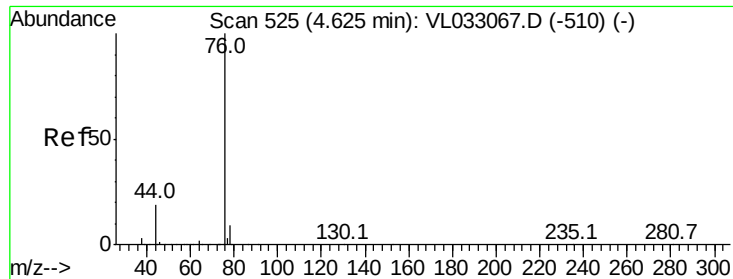
Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

Time-->





#27

Carbon Disulfide

Concen: 9.326 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

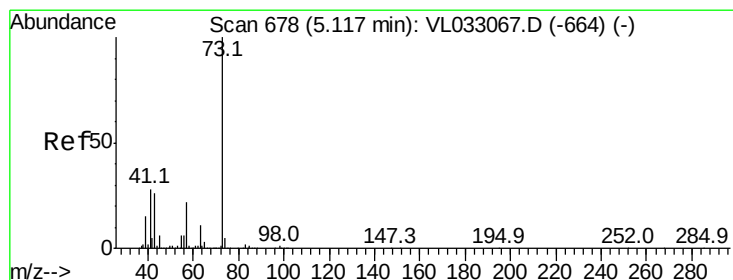
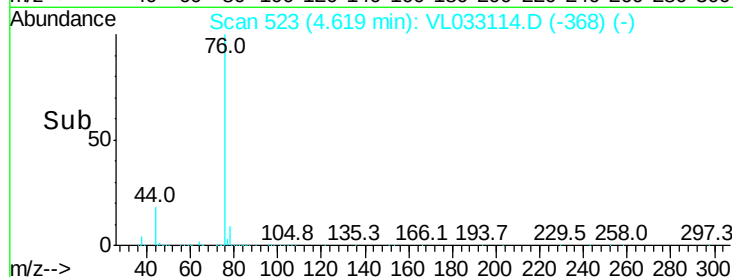
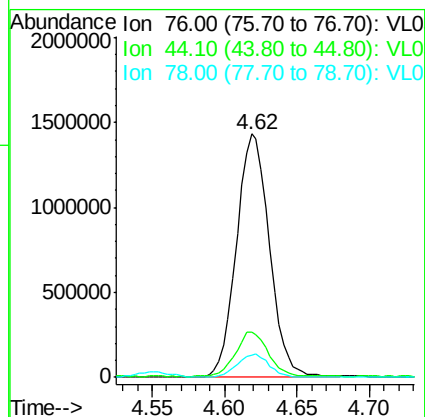
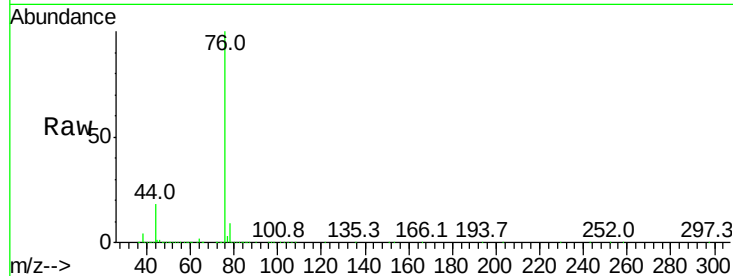
Tgt Ion: 76 Resp: 2262666

Ion Ratio Lower Upper

76 100

44 18.7 13.9 20.9

78 9.5 7.3 10.9



#28

Methyl tert-Butyl Ether

Concen: 9.066 ppbv

RT: 5.11 min Scan# 676

Delta R.T. -0.00 min

Lab File: VL033114.D

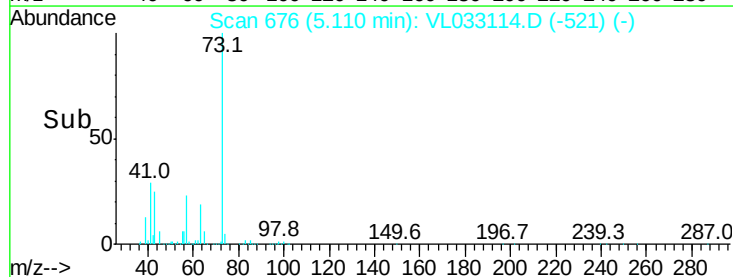
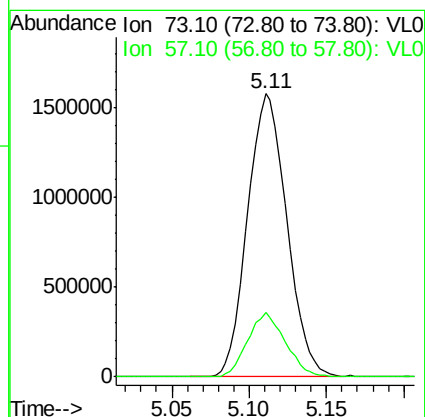
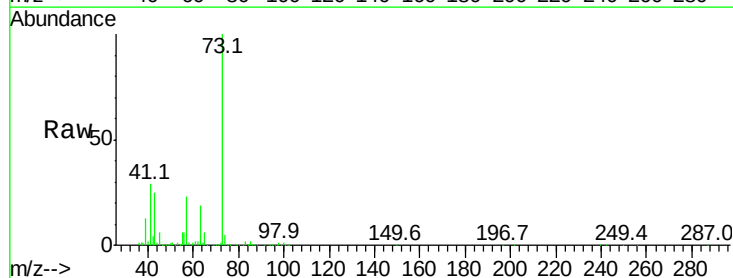
Acq: 28 Jan 2019 15:41

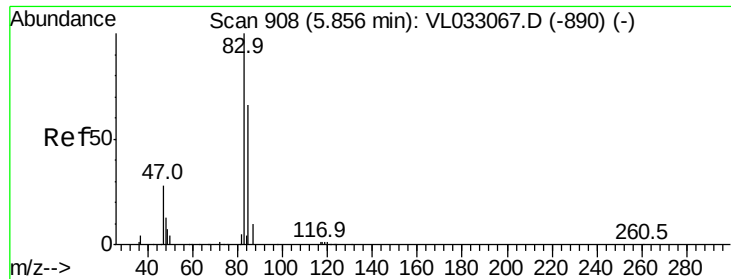
Tgt Ion: 73 Resp: 2783923

Ion Ratio Lower Upper

73 100

57 22.0 17.5 26.3





#29

Chloroform

Concen: 8.362 ppbv

RT: 5.85 min Scan# 906

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

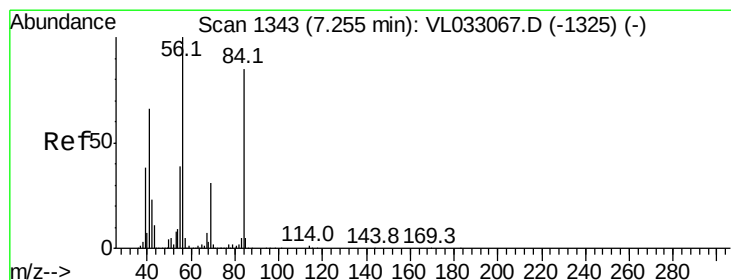
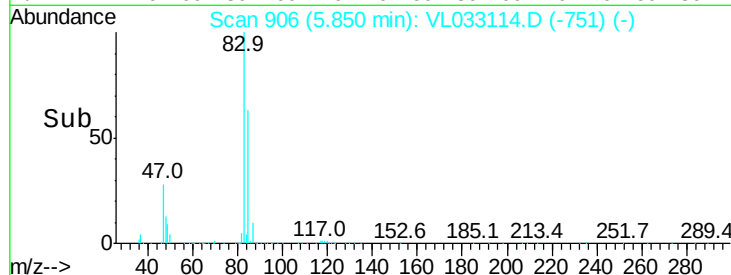
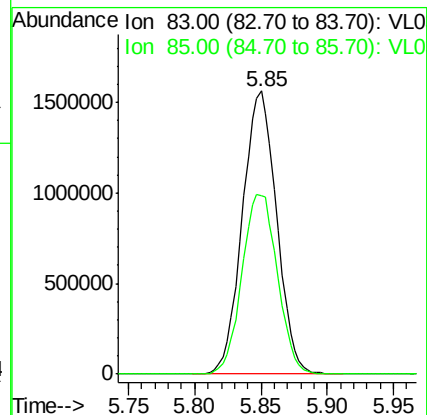
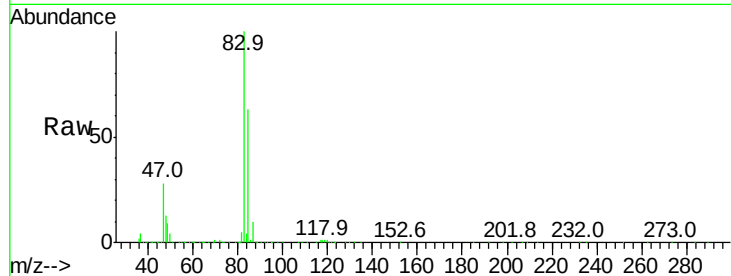
VSTDICCC010

Tgt Ion: 83 Resp: 2803273

Ion Ratio Lower Upper

83 100

85 63.0 52.5 78.7



#30

Cyclohexane

Concen: 9.776 ppbv

RT: 7.25 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

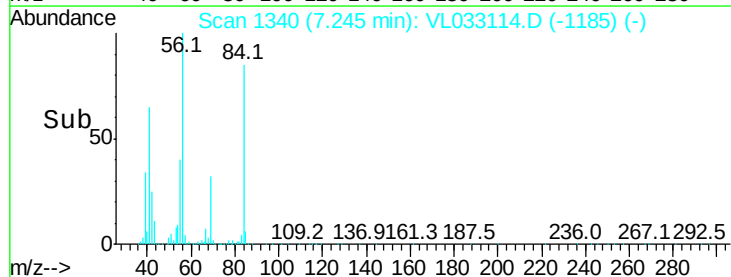
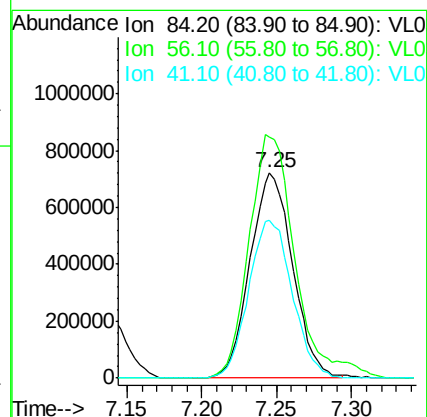
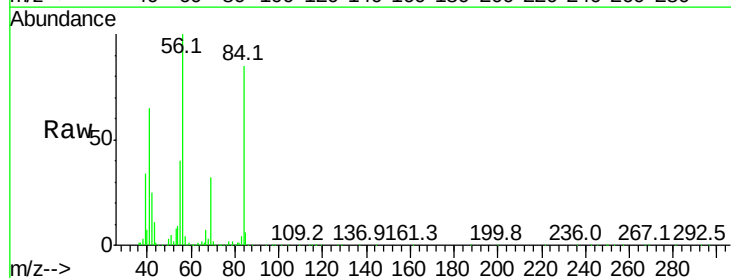
Tgt Ion: 84 Resp: 1434021

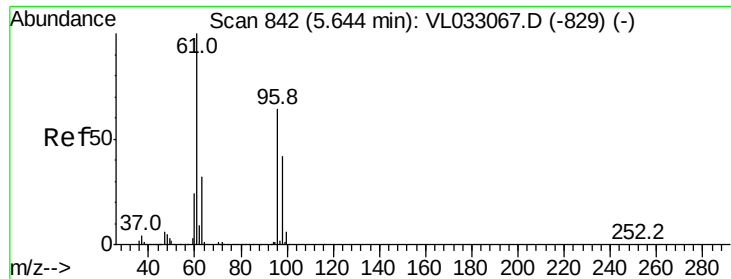
Ion Ratio Lower Upper

84 100

56 128.0 101.8 152.6

41 78.4 63.2 94.8



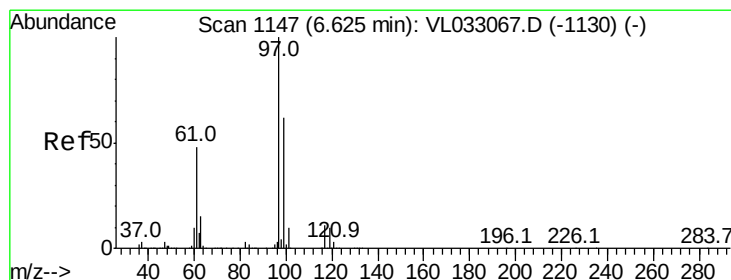
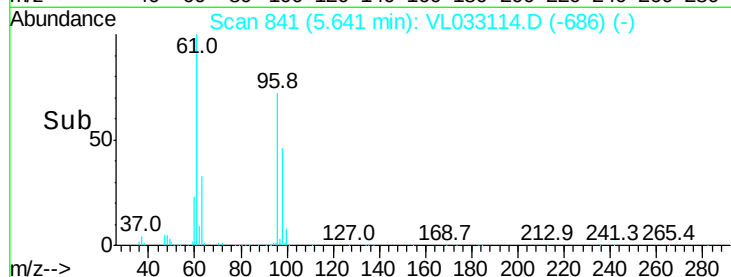
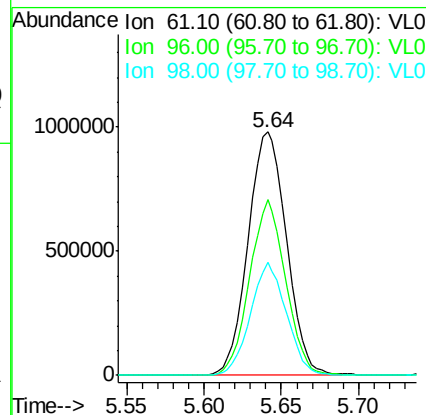
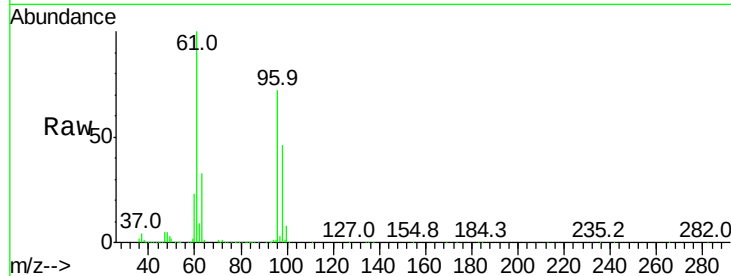


#31

cis-1,2-Dichloroethene
 Concen: 9.299 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

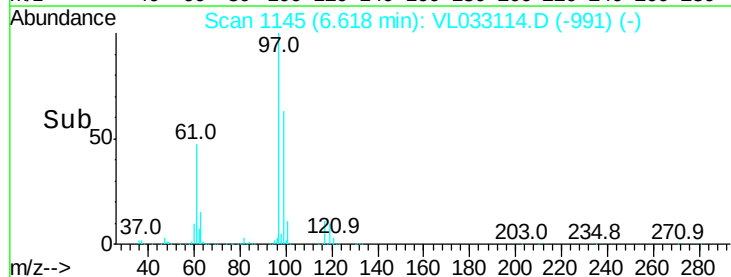
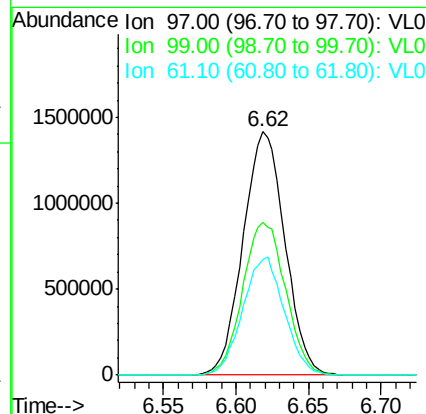
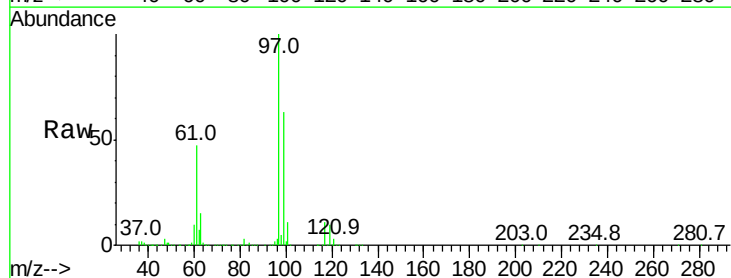
Tgt Ion: 61 Resp: 1698670
 Ion Ratio Lower Upper
 61 100
 96 72.0 52.8 79.2
 98 46.2 33.8 50.6

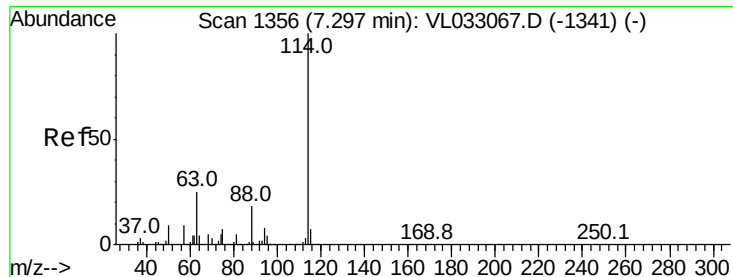


#32

1,1,1-Trichloroethane
 Concen: 8.341 ppbv
 RT: 6.62 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Tgt Ion: 97 Resp: 2838073
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.1 76.7
 61 48.2 38.3 57.5

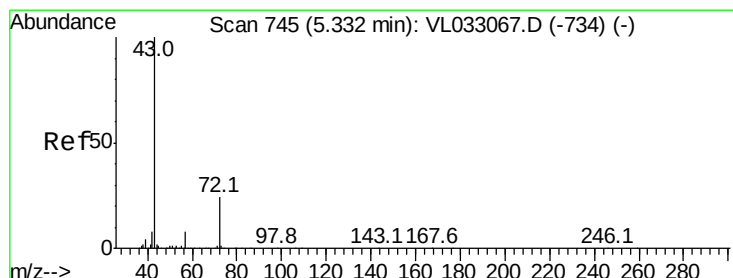
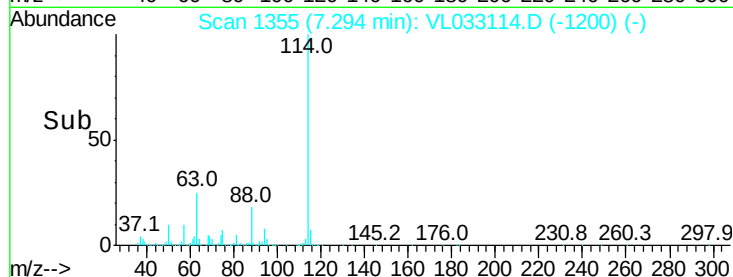
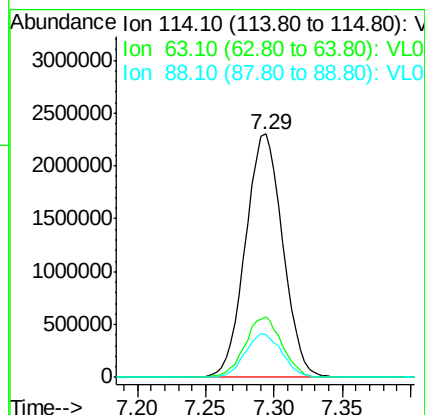
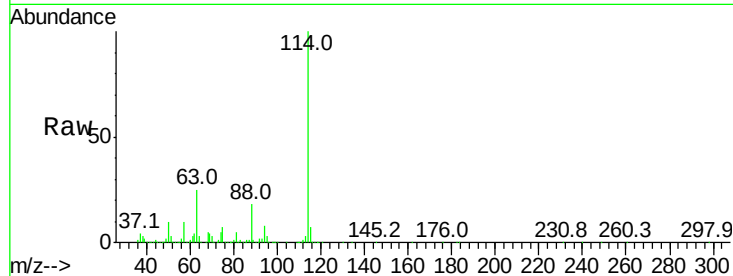




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

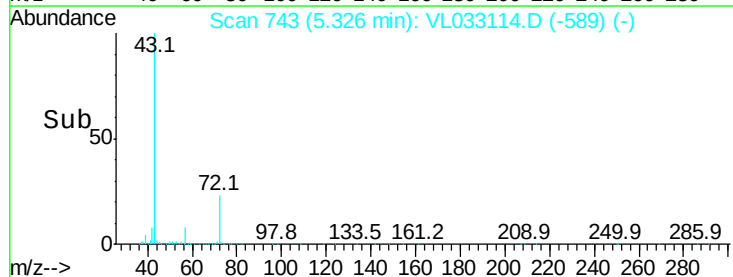
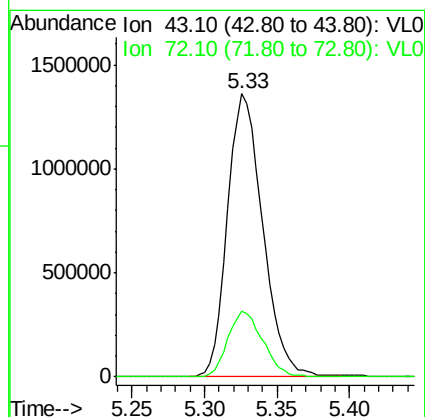
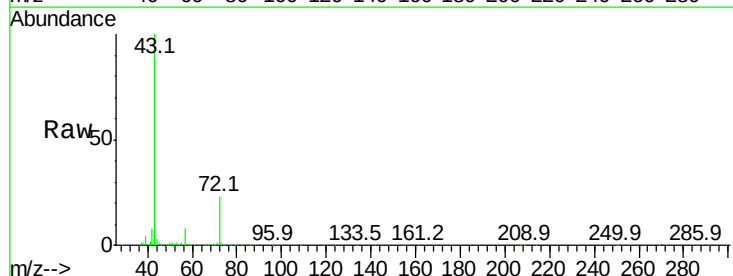
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

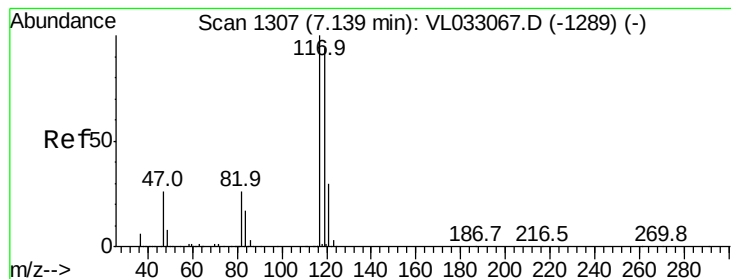
Tgt Ion:114 Resp: 4365855
 Ion Ratio Lower Upper
 114 100
 63 24.8 20.1 30.1
 88 17.7 14.0 21.0



#34
 2-Butanone
 Concen: 9.022 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. -0.01 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Tgt Ion: 43 Resp: 2288643
 Ion Ratio Lower Upper
 43 100
 72 23.4 18.9 28.3





#35

Carbon Tetrachloride

Concen: 8.022 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

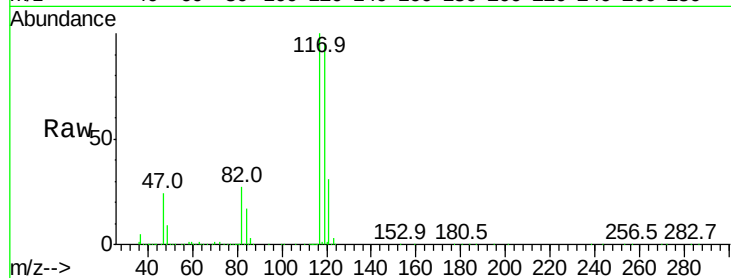
MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 117 Resp: 3008227

Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.5	114.7
121	30.7	25.2	37.8

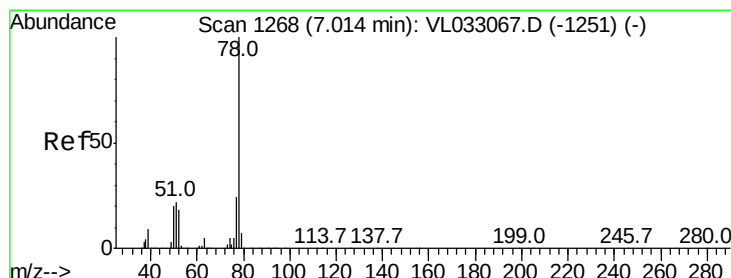
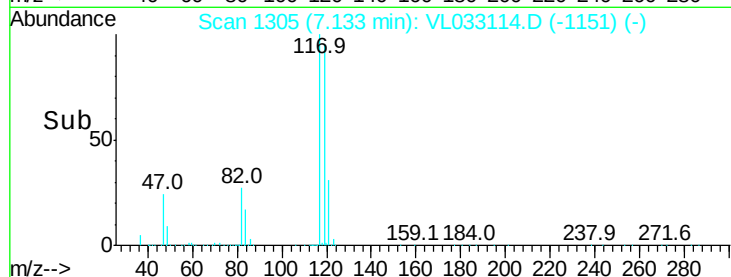
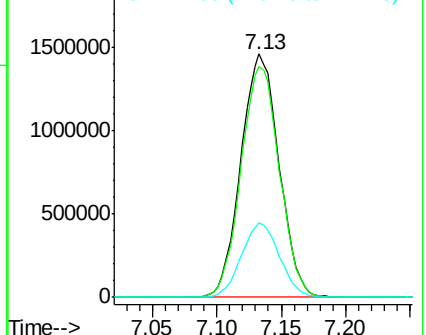


Abundance

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: 9.356 ppbv

RT: 7.00 min Scan# 1265

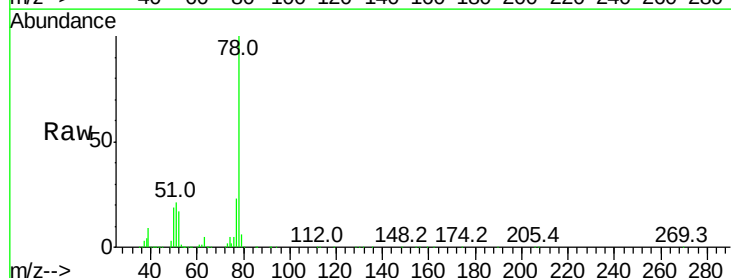
Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Tgt Ion: 78 Resp: 3346091

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7
50	19.3	15.7	23.5

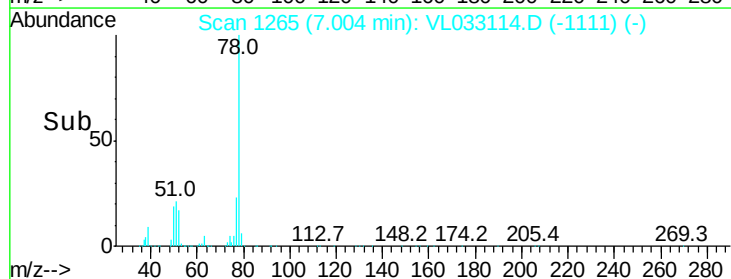
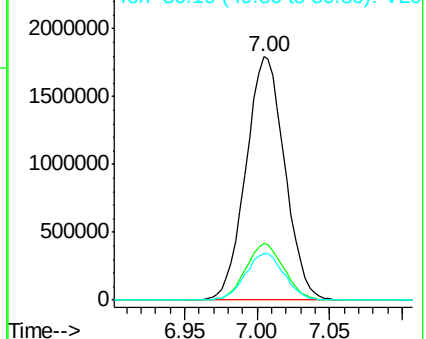


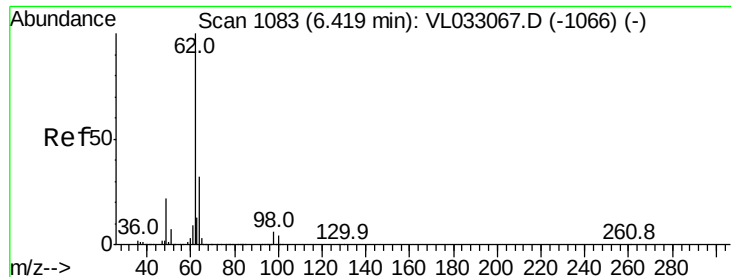
Abundance

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

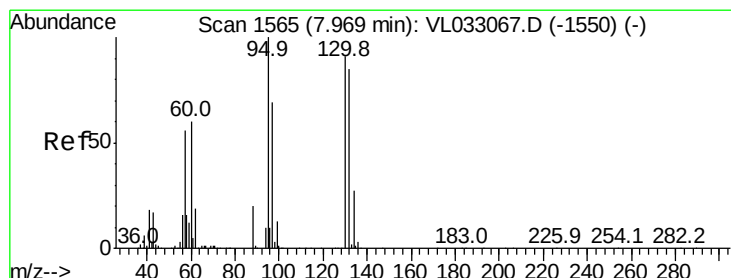
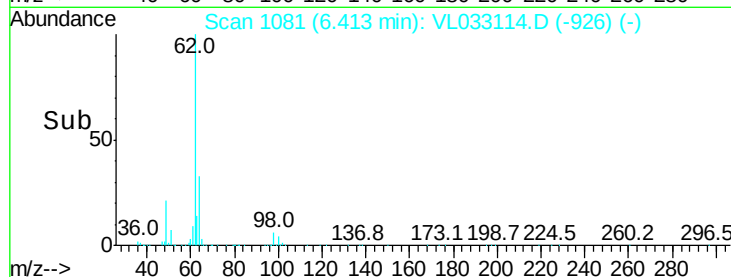
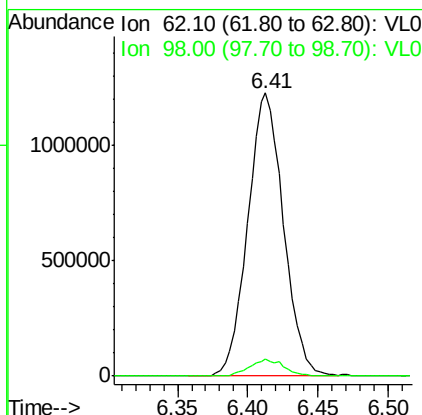
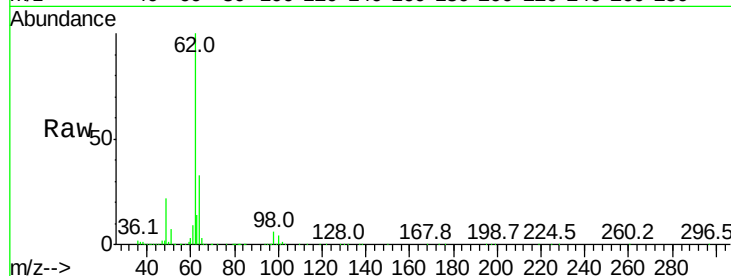




#37
 1,2-Dichloroethane
 Concen: 8.688 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. -0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

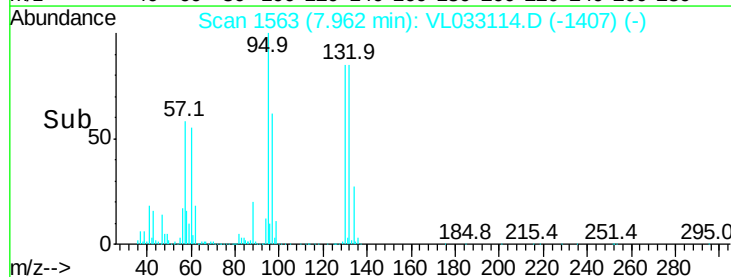
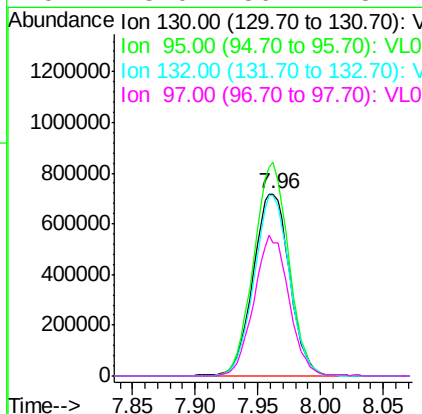
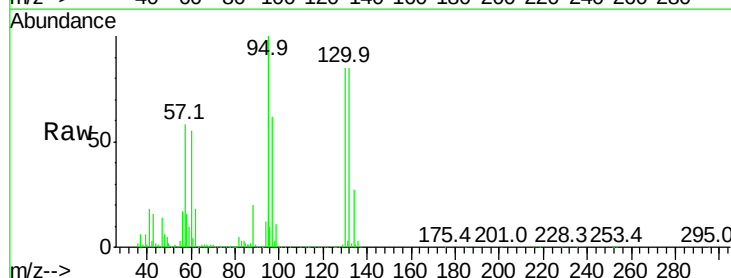
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

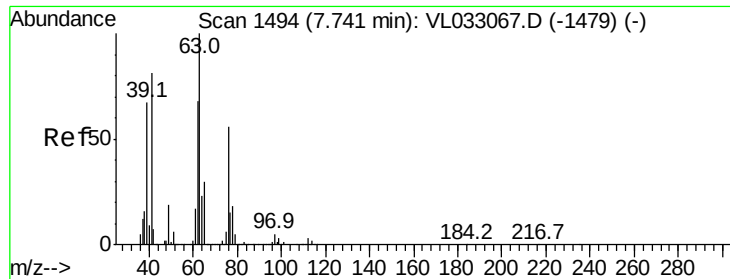
Tgt Ion: 62 Resp: 2169386
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.6 7.0



#38
 Trichloroethene
 Concen: 9.846 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Tgt Ion: 130 Resp: 1448519
 Ion Ratio Lower Upper
 130 100
 95 117.5 88.6 132.8
 132 99.6 74.2 111.2
 97 73.0 56.2 84.2





#39

1,2-Dichloropropane

Concen: 9.639 ppbv

RT: 7.74 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

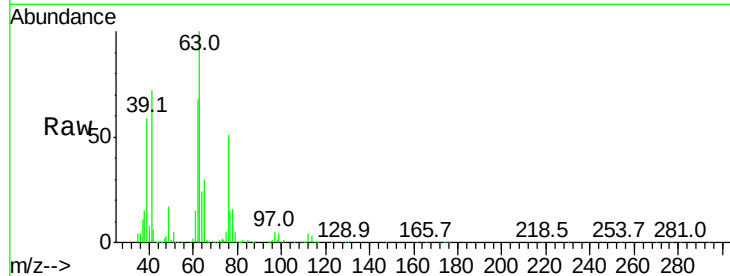
Tgt Ion: 63 Resp: 1294932

Ion Ratio Lower Upper

63 100

41 72.3 61.9 92.9

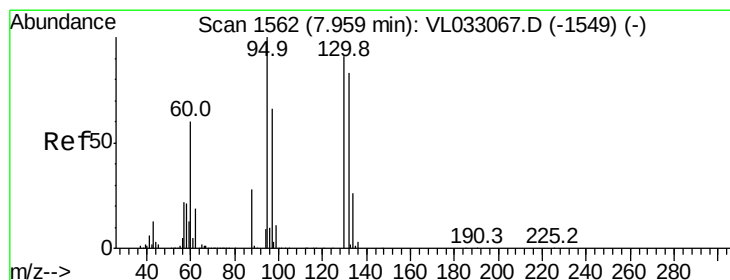
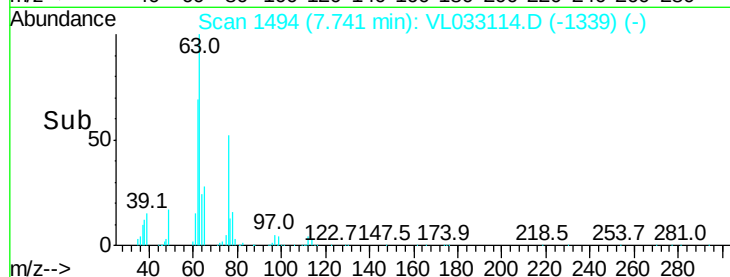
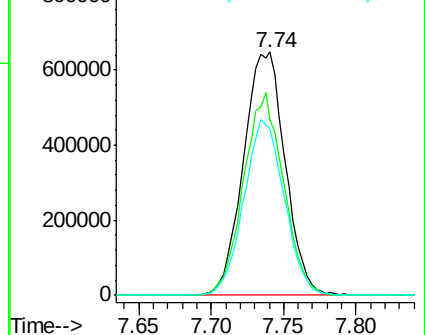
62 68.3 55.8 83.6



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.232 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Tgt Ion: 88 Resp: 470814

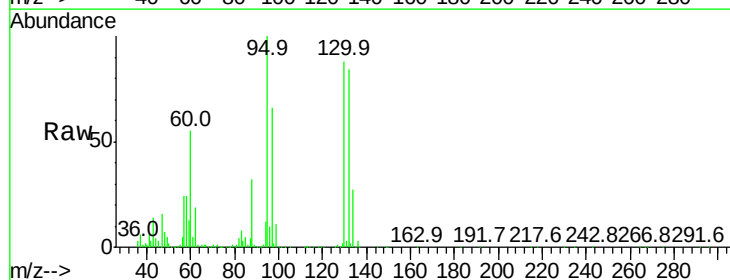
Ion Ratio Lower Upper

88 100

58 129.4 101.9 152.9

43 272.3 212.6 319.0

57 1240.9 963.8 1445.6

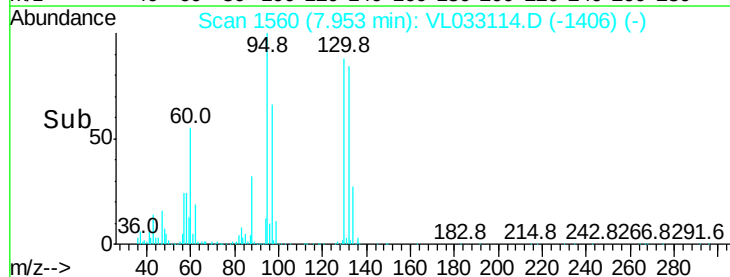
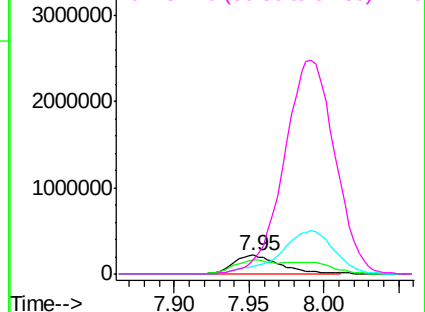


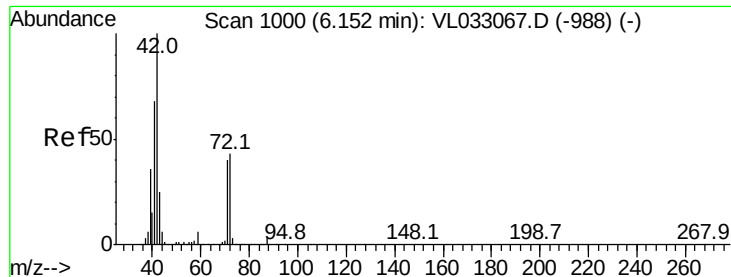
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

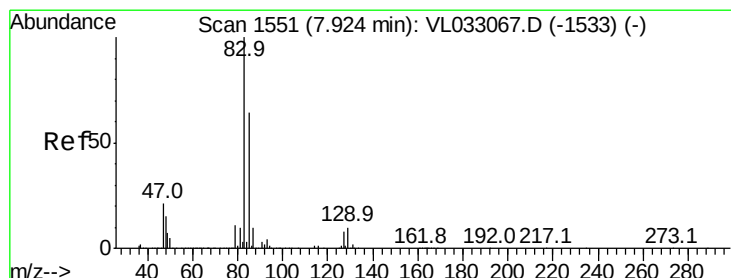
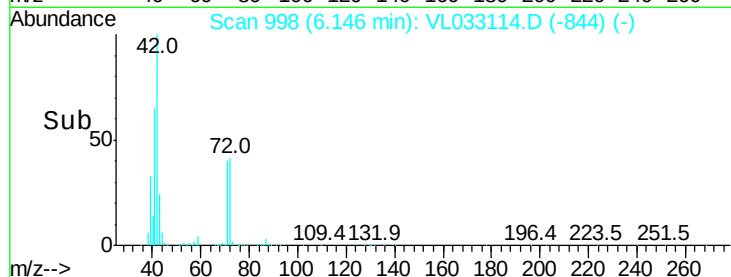
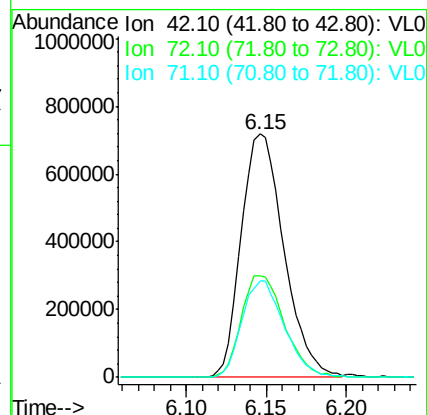
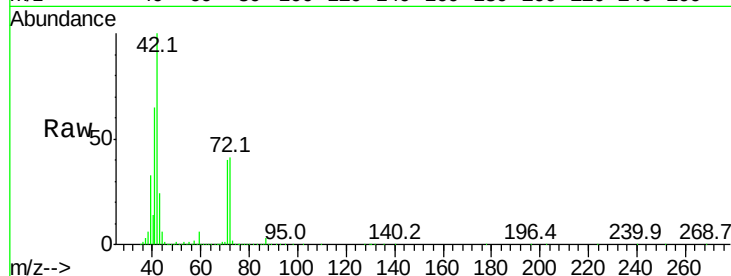




#41
Tetrahydrofuran
Concen: 10.132 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.01 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

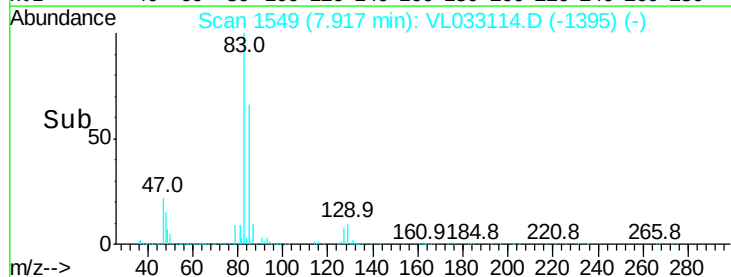
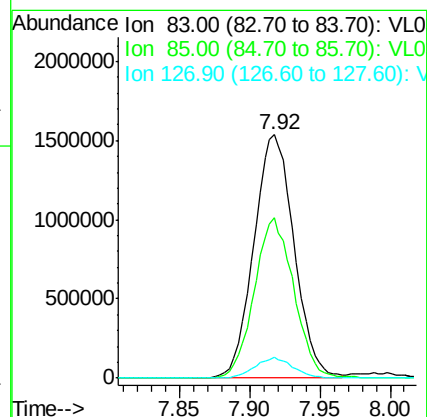
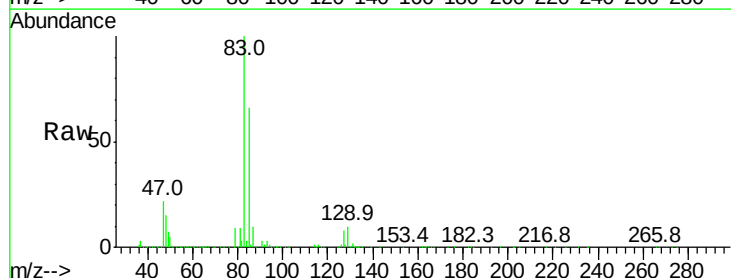
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

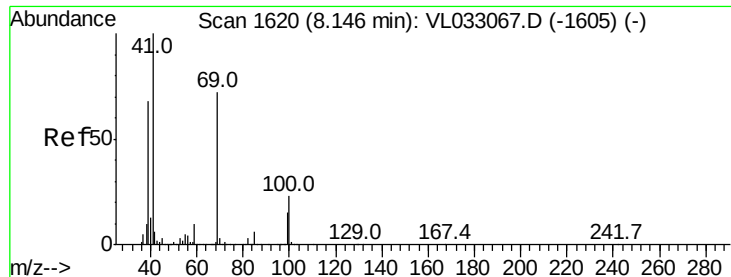
Tgt Ion: 42 Resp: 1308145
Ion Ratio Lower Upper
42 100
72 42.3 32.9 49.3
71 39.5 31.8 47.6



#42
Bromodichloromethane
Concen: 8.947 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.01 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Tgt Ion: 83 Resp: 3068965
Ion Ratio Lower Upper
83 100
85 66.1 51.0 76.4
127 8.4 6.5 9.7

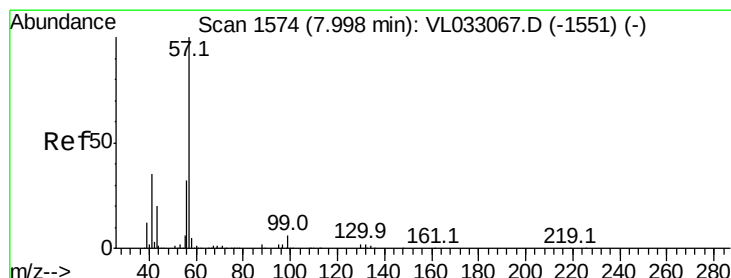
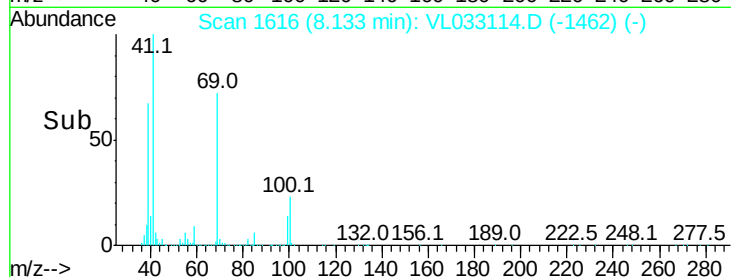
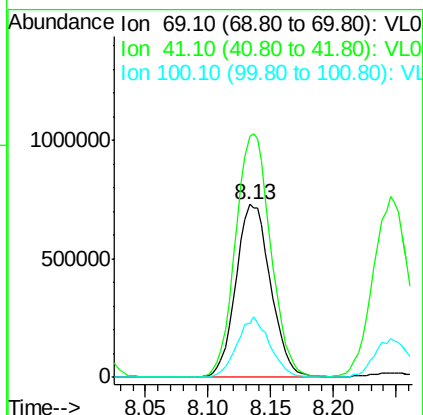
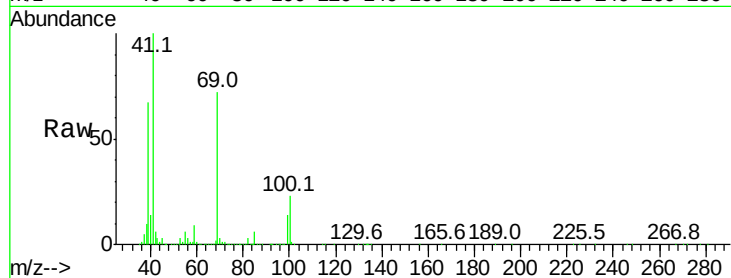




#43
Methyl Methacrylate
Concen: 10.475 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

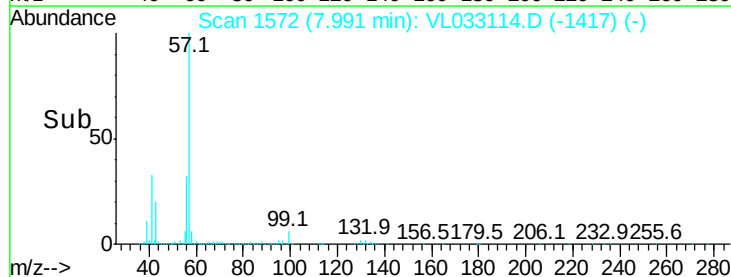
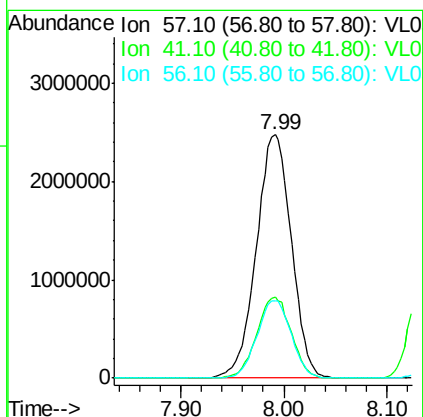
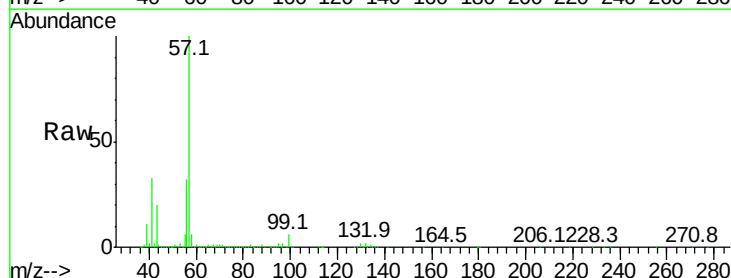
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

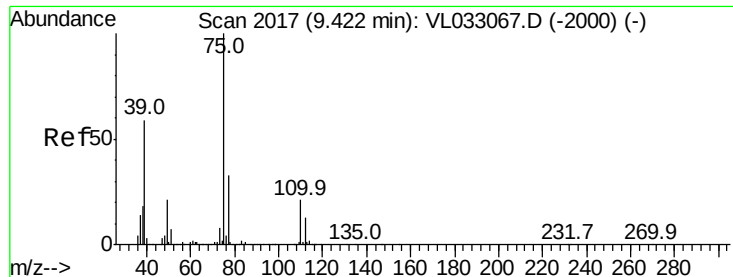
Tgt Ion: 69 Resp: 1405655
Ion Ratio Lower Upper
69 100
41 142.4 114.0 171.0
100 32.8 26.3 39.5



#44
2,2,4-Trimethylpentane
Concen: 9.635 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Tgt Ion: 57 Resp: 5835420
Ion Ratio Lower Upper
57 100
41 32.6 26.2 39.2
56 31.2 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 11.406 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

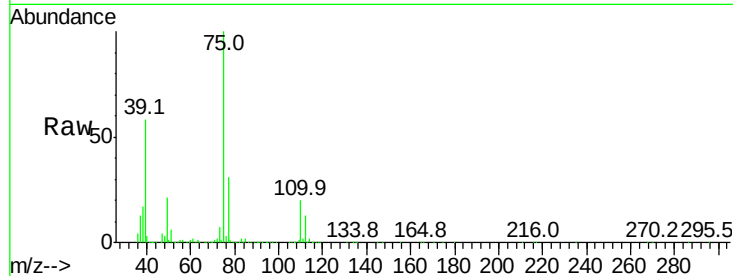
VSTDICCC010

Tgt Ion: 75 Resp: 1905220

Ion Ratio Lower Upper

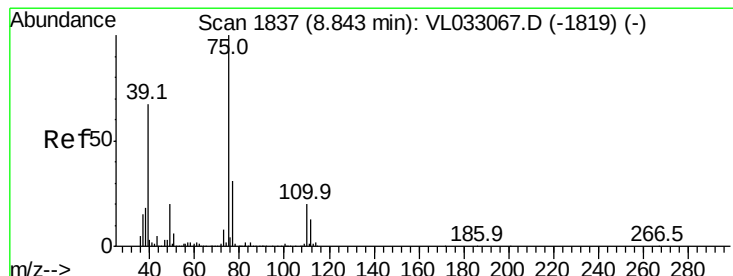
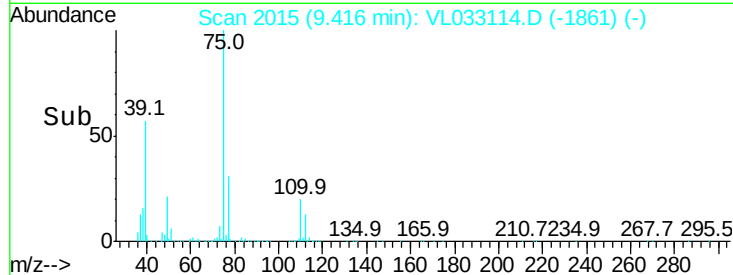
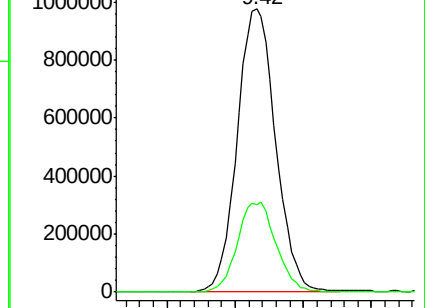
75 100

77 31.1 24.8 37.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 11.571 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

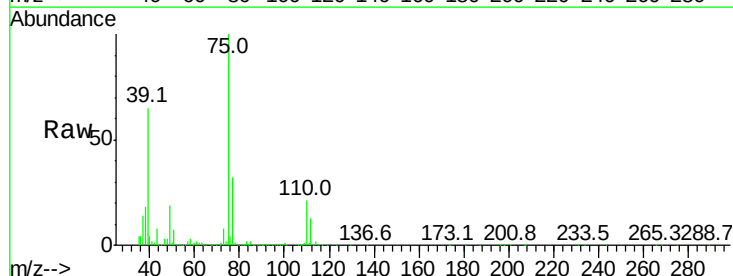
Tgt Ion: 75 Resp: 2206016

Ion Ratio Lower Upper

75 100

39 65.0 51.3 76.9

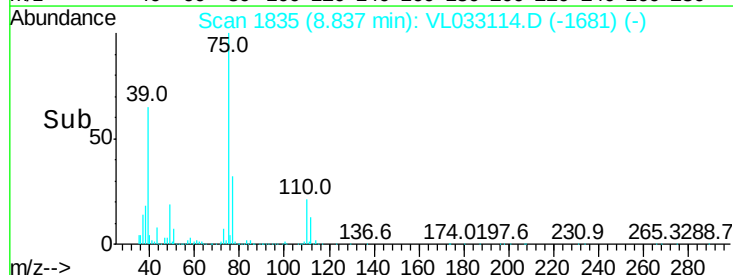
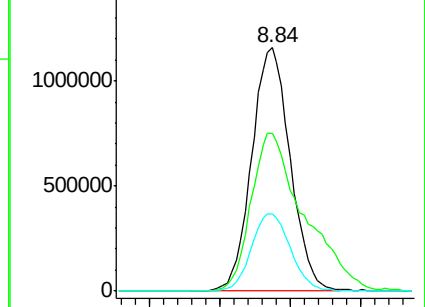
77 31.9 25.5 38.3

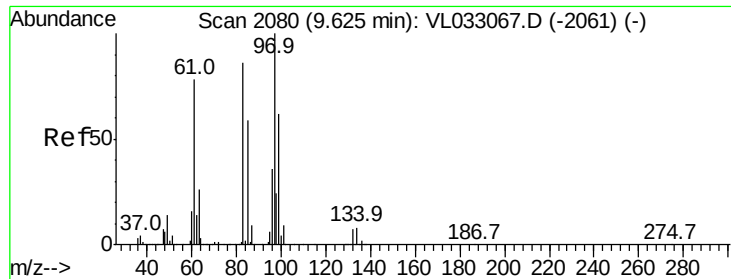


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 9.235 ppbv

RT: 9.62 min Scan# 2077

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 97 Resp: 1449612

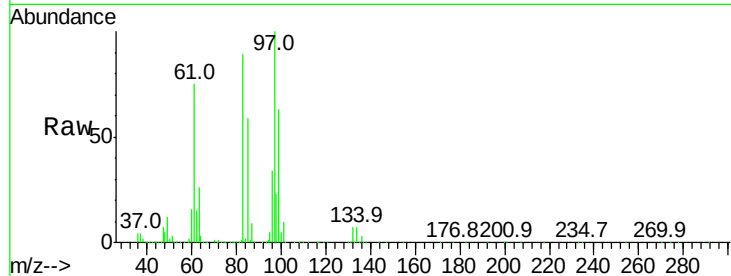
Ion Ratio Lower Upper

97 100

83 89.3 69.4 104.2

85 59.0 44.2 66.2

99 62.9 48.9 73.3

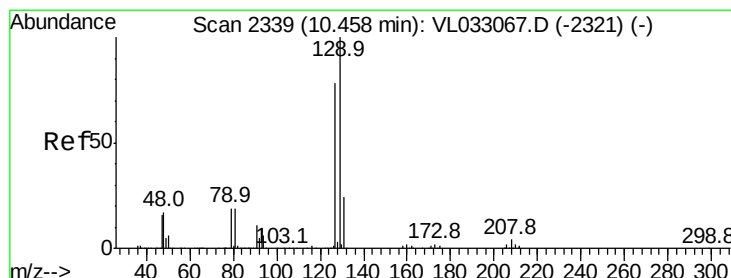
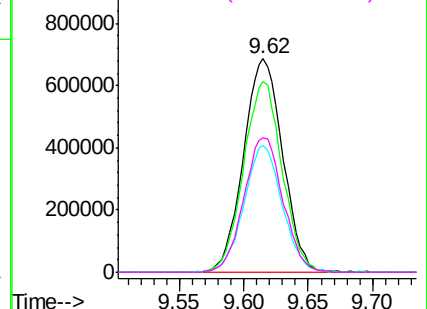
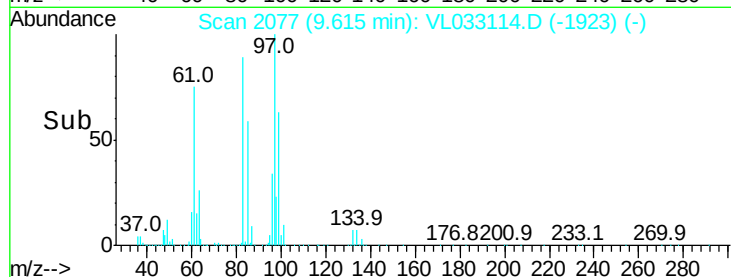


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.669 ppbv

RT: 10.45 min Scan# 2337

Delta R.T. -0.01 min

Lab File: VL033114.D

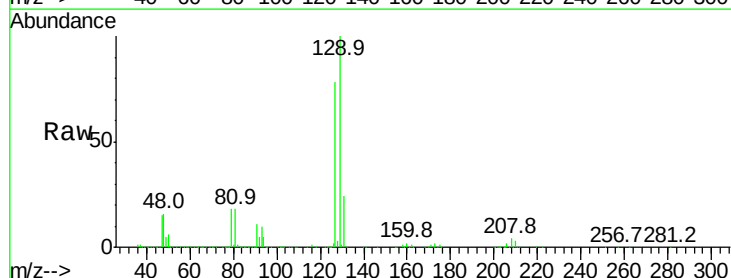
Acq: 28 Jan 2019 15:41

Tgt Ion: 129 Resp: 2681598

Ion Ratio Lower Upper

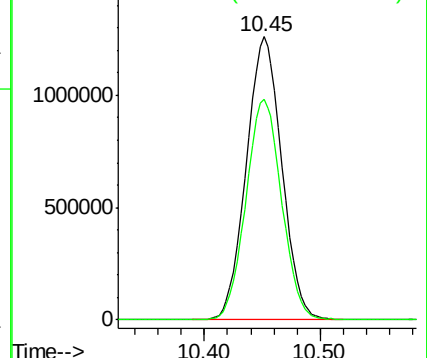
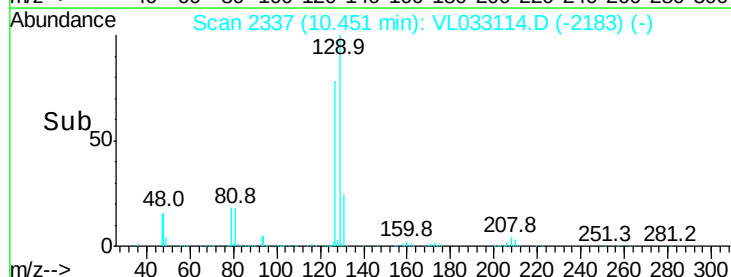
129 100

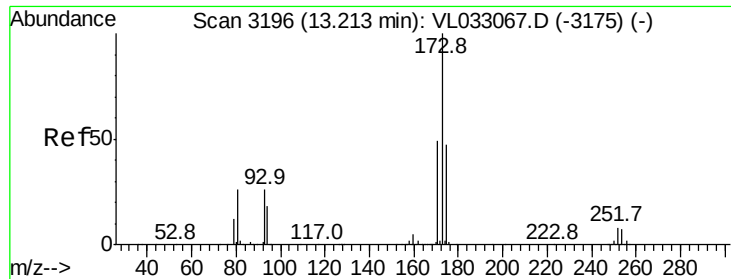
127 78.6 39.1 117.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.521 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

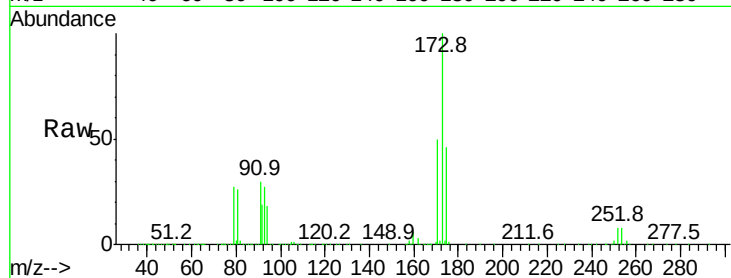
Tgt Ion:173 Resp: 2306986

Ion Ratio Lower Upper

173 100

175 48.6 39.4 59.2

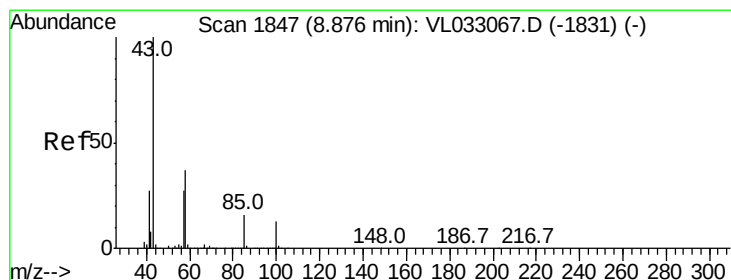
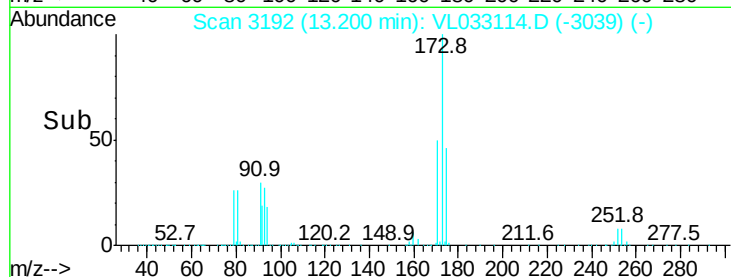
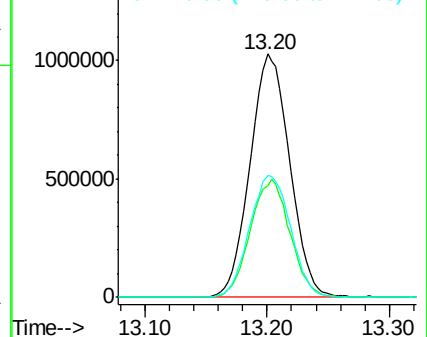
171 52.2 42.1 63.1



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: 10.356 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. -0.00 min

Lab File: VL033114.D

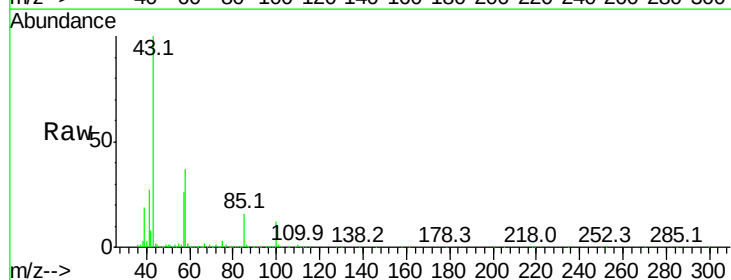
Acq: 28 Jan 2019 15:41

Tgt Ion: 43 Resp: 3328801

Ion Ratio Lower Upper

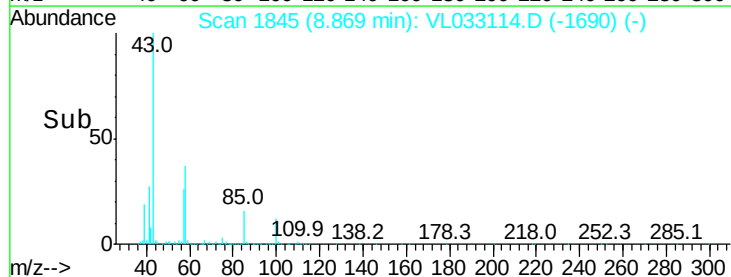
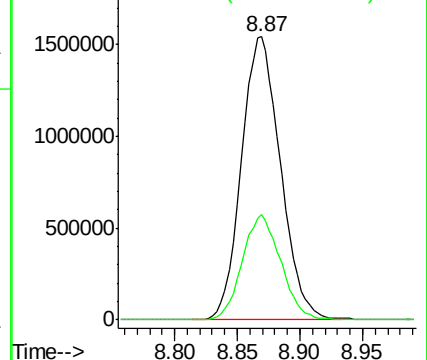
43 100

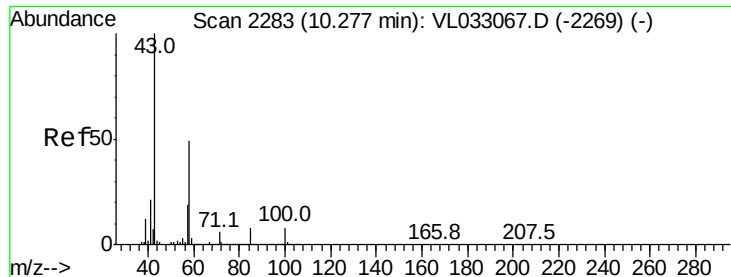
58 36.7 28.9 43.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

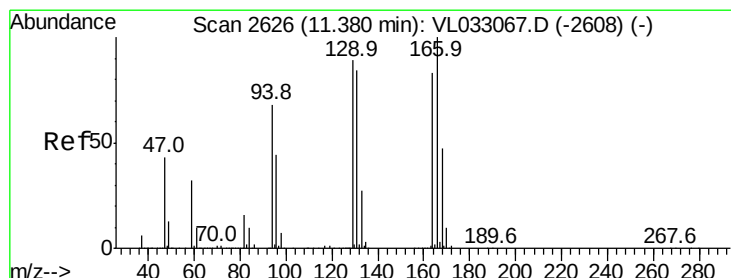
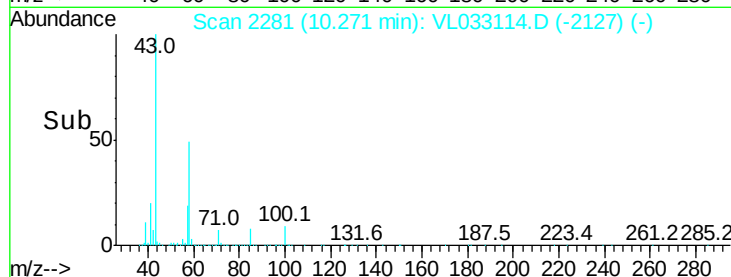
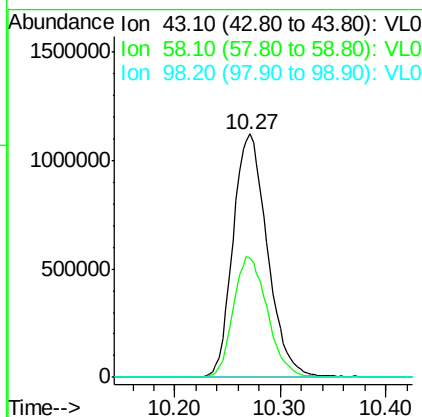
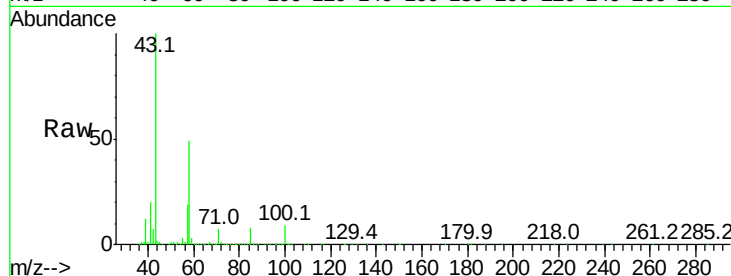




#51
2-Hexanone
Concen: 10.900 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.01 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

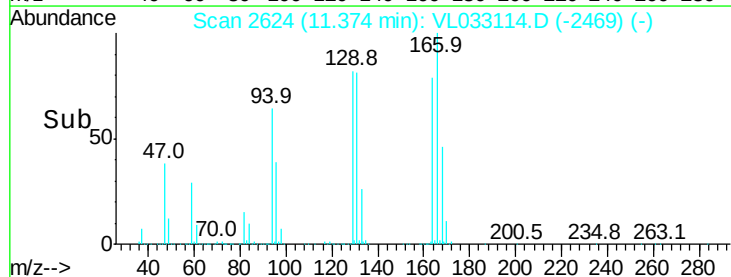
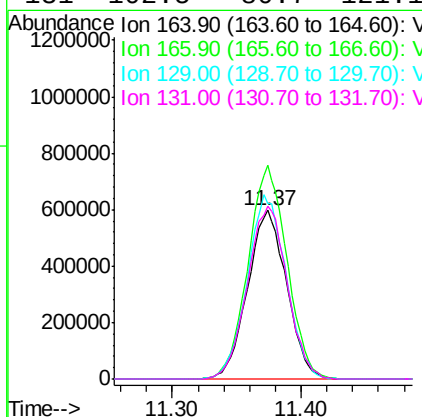
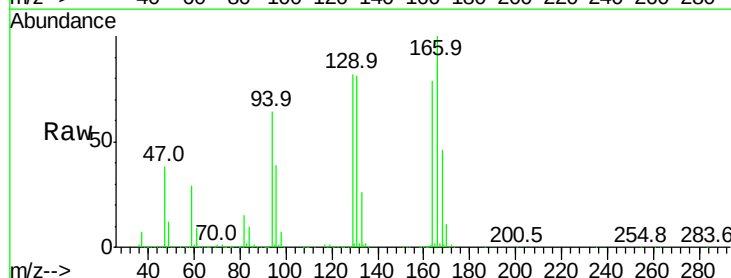
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

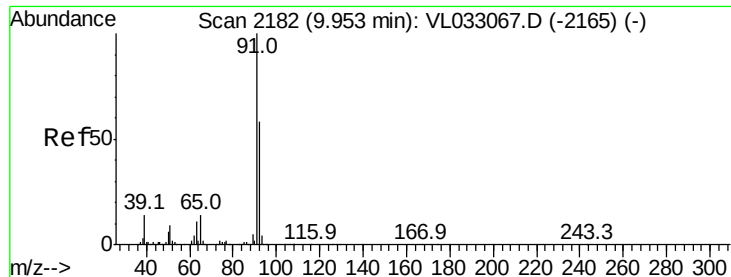
Tgt Ion: 43 Resp: 2535054
Ion Ratio Lower Upper
43 100
58 49.4 39.0 58.6
98 0.4 0.4 0.6



#52
Tetrachloroethene
Concen: 9.931 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Tgt Ion: 164 Resp: 1255378
Ion Ratio Lower Upper
164 100
166 126.6 100.8 151.2
129 104.1 84.6 126.8
131 102.5 80.7 121.1





#53

Toluene

Concen: 10.542 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

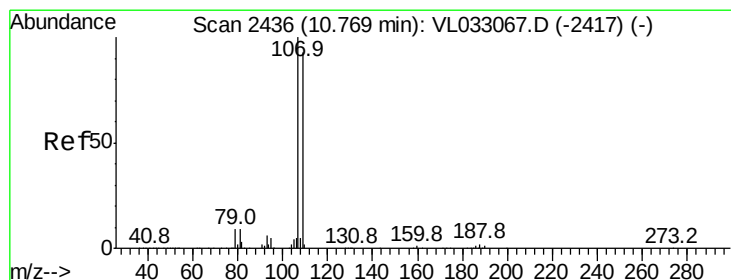
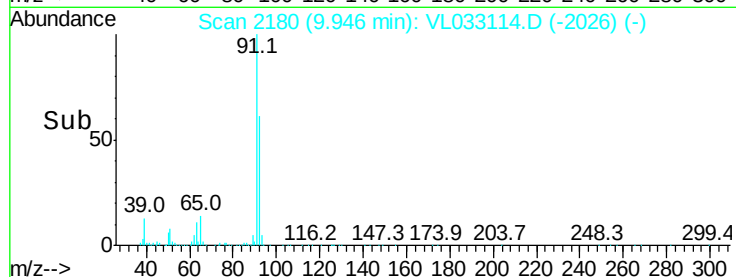
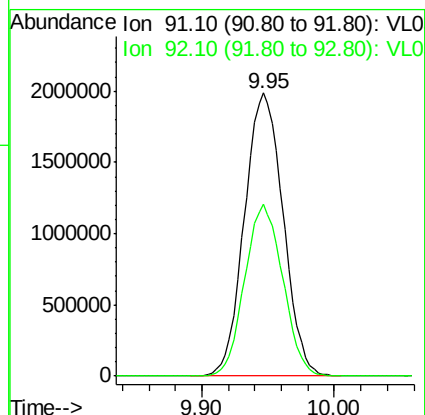
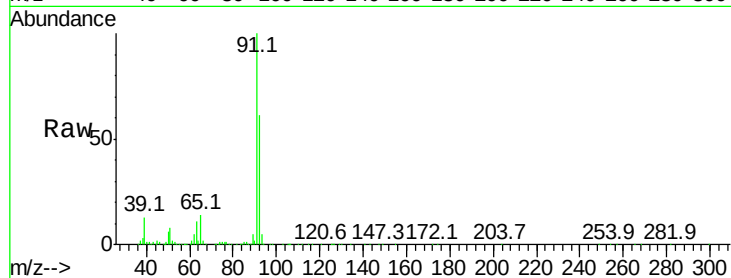
VSTDICCC010

Tgt Ion: 91 Resp: 4040267

Ion Ratio Lower Upper

91 100

92 59.9 47.7 71.5



#54

1,2-Dibromoethane

Concen: 10.060 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL033114.D

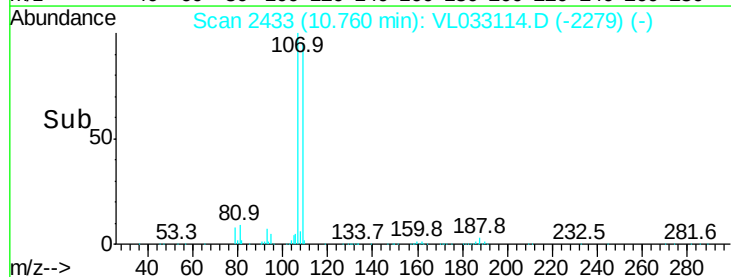
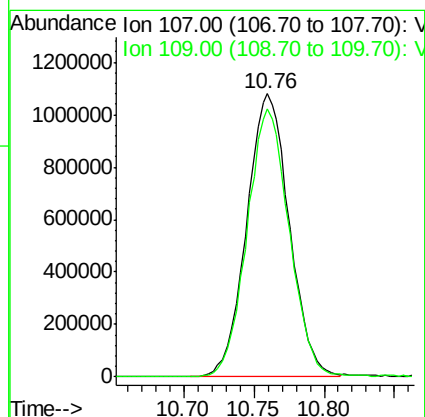
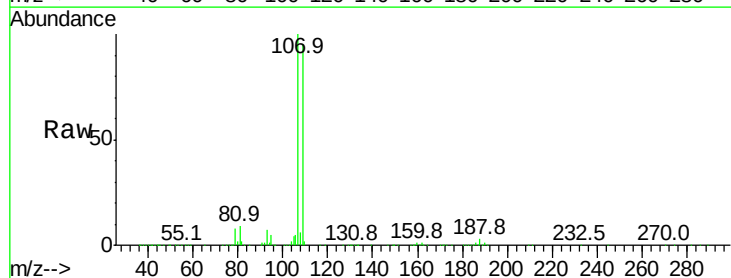
Acq: 28 Jan 2019 15:41

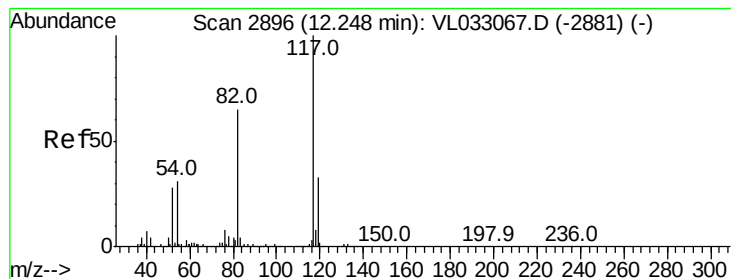
Tgt Ion: 107 Resp: 2275049

Ion Ratio Lower Upper

107 100

109 94.7 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2894

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

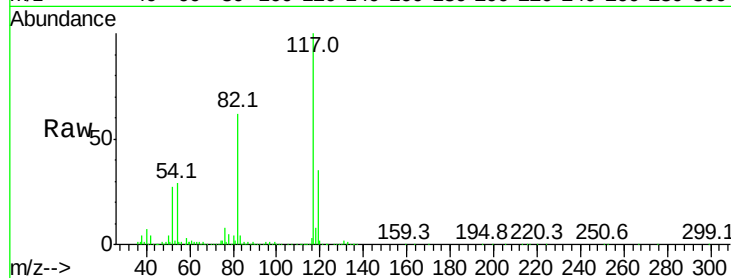
Tgt Ion:117 Resp: 5372629

Ion Ratio Lower Upper

117 100

82 51.0 48.9 73.3

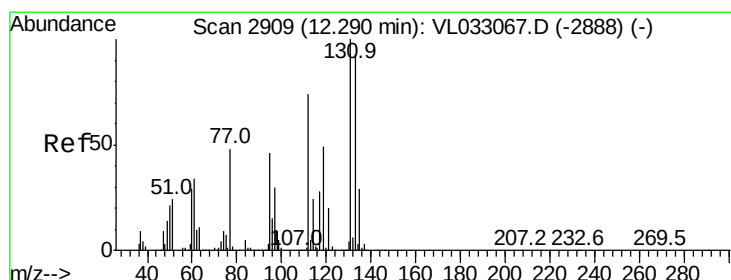
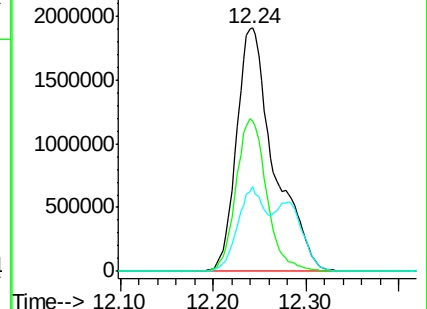
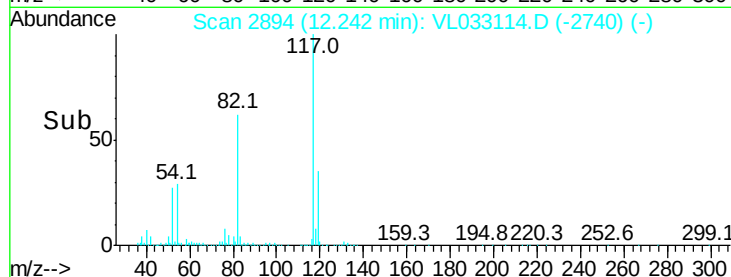
119 27.4 24.6 37.0



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 6.796 ppbv

RT: 12.28 min Scan# 2906

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

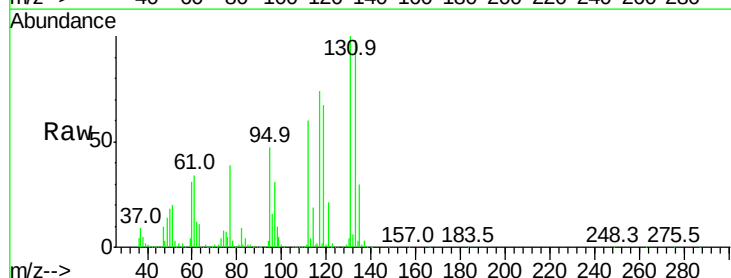
Tgt Ion:131 Resp: 1886559

Ion Ratio Lower Upper

131 100

133 95.8 76.0 114.0

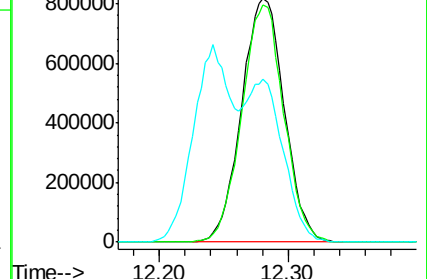
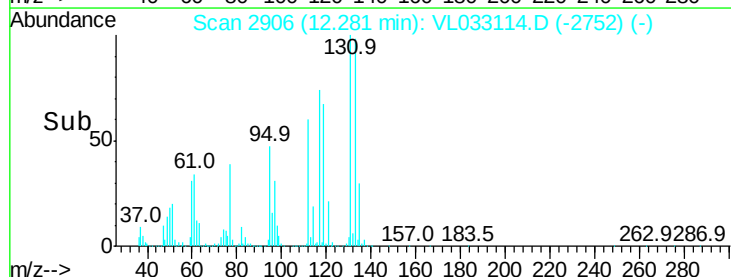
119 55.7 44.2 66.2

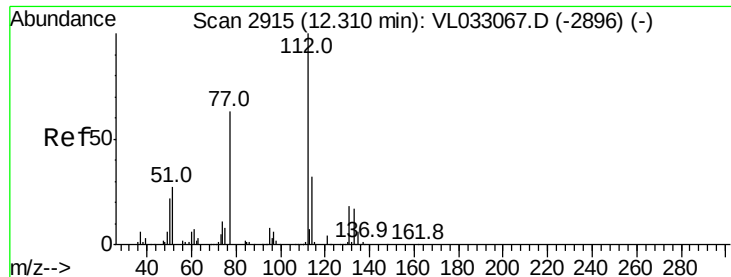


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.057 ppbv

RT: 12.30 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

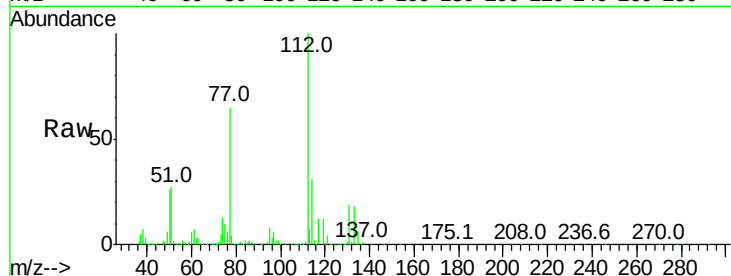
Tgt Ion: 112 Resp: 3164691

Ion Ratio Lower Upper

112 100

77 64.5 53.4 80.0

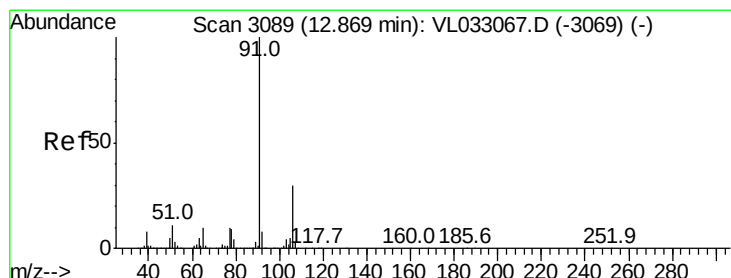
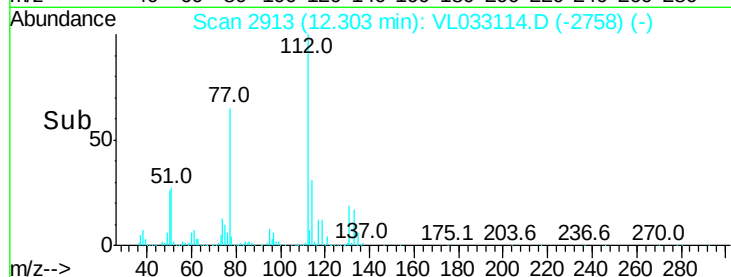
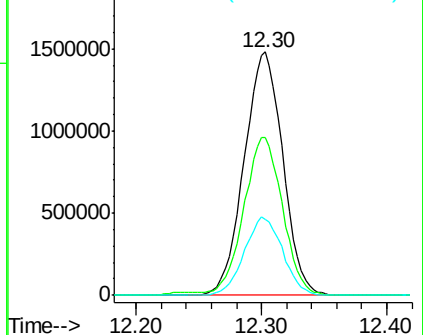
114 31.0 30.0 36.6



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: 8.129 ppbv

RT: 12.86 min Scan# 3087

Delta R.T. -0.01 min

Lab File: VL033114.D

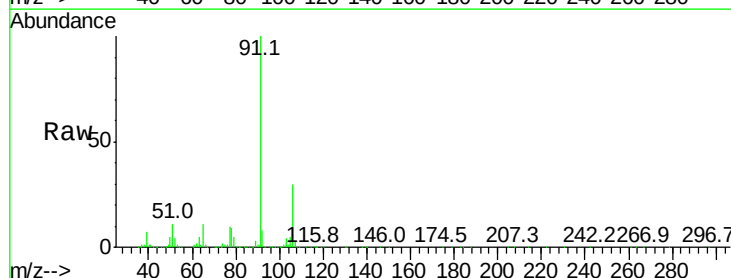
Acq: 28 Jan 2019 15:41

Tgt Ion: 91 Resp: 5513895

Ion Ratio Lower Upper

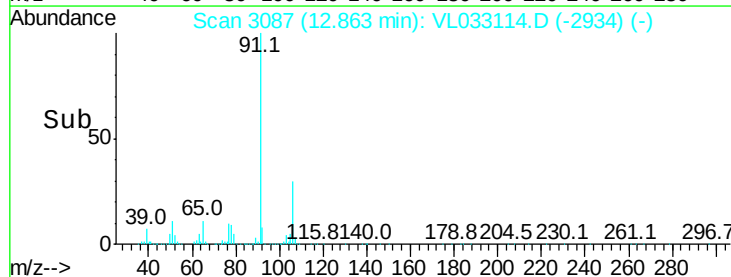
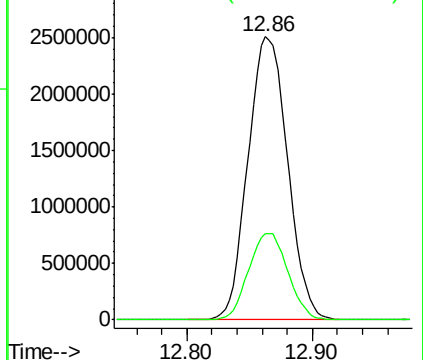
91 100

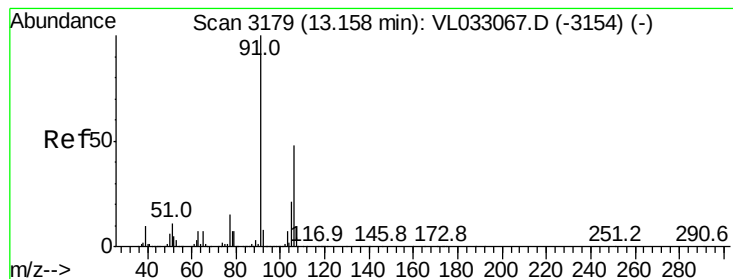
106 30.5 24.3 36.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.951 ppbv

RT: 13.12 min Scan# 3168

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

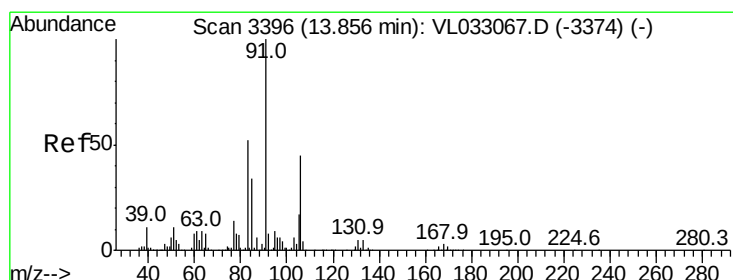
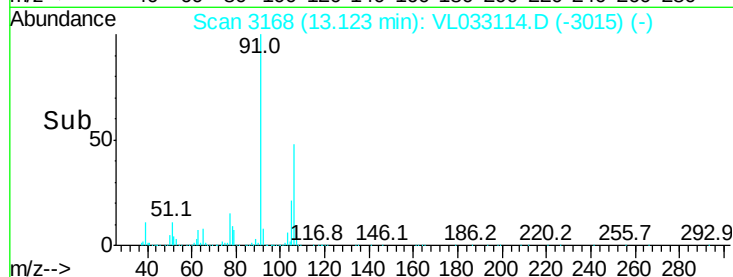
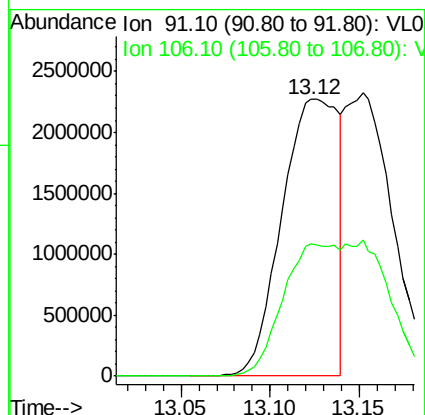
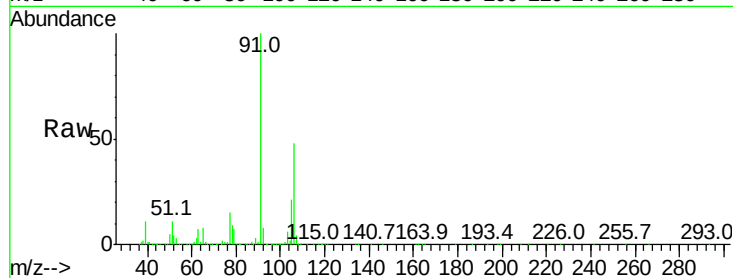
VSTDICCC010

Tgt Ion: 91 Resp: 4989366

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 7.388 ppbv

RT: 13.85 min Scan# 3394

Delta R.T. -0.01 min

Lab File: VL033114.D

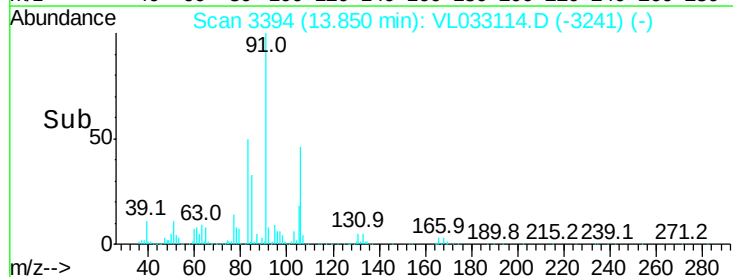
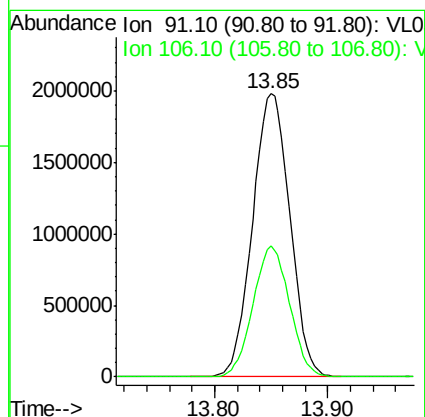
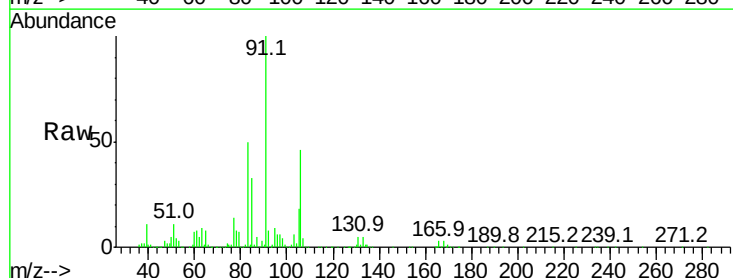
Acq: 28 Jan 2019 15:41

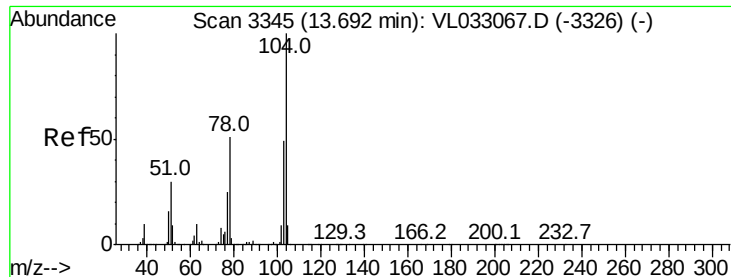
Tgt Ion: 91 Resp: 4538752

Ion Ratio Lower Upper

91 100

106 45.2 22.1 66.5

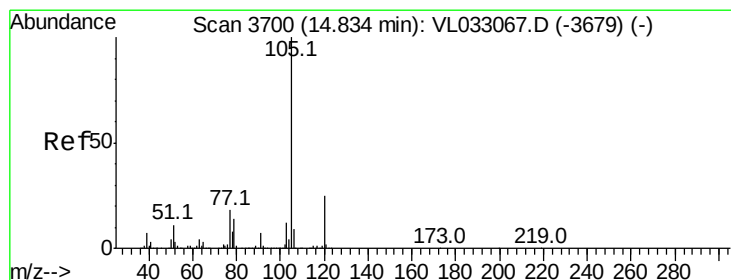
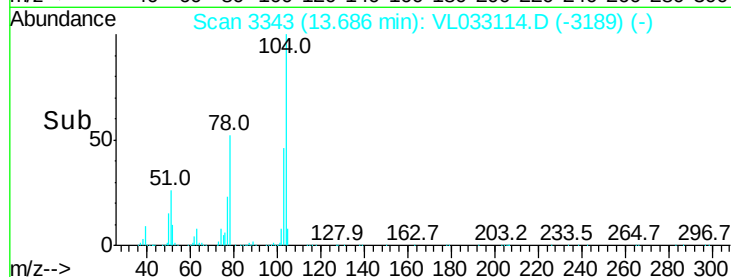
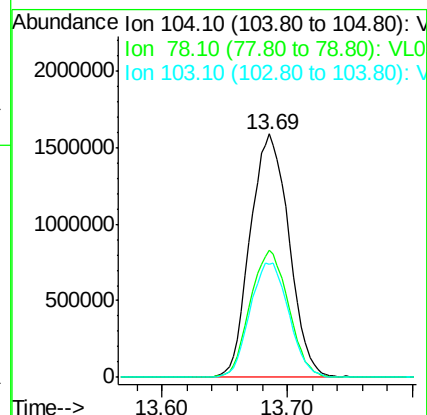
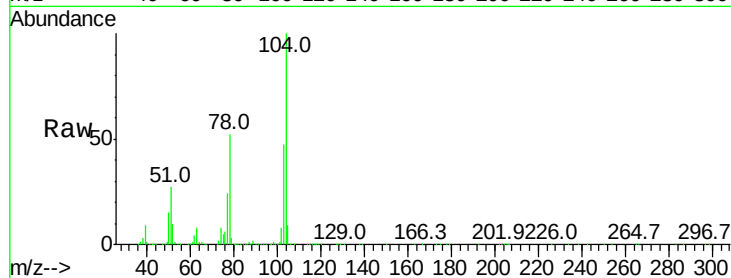




#61
Styrene
Concen: 8.695 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

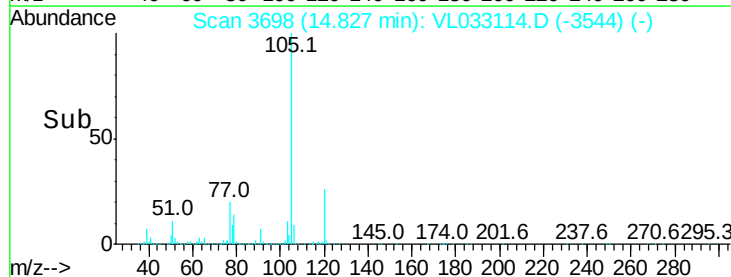
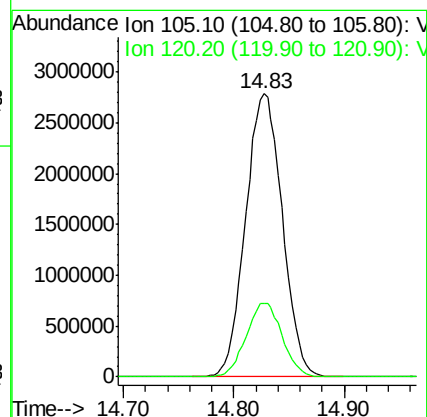
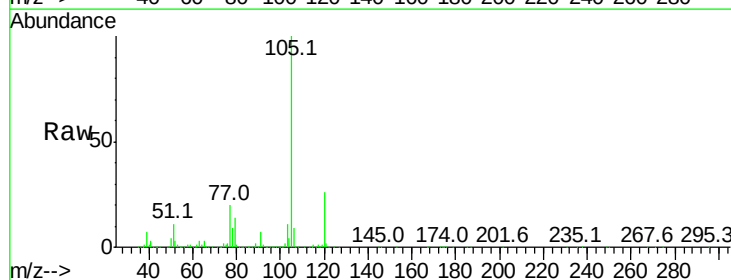
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

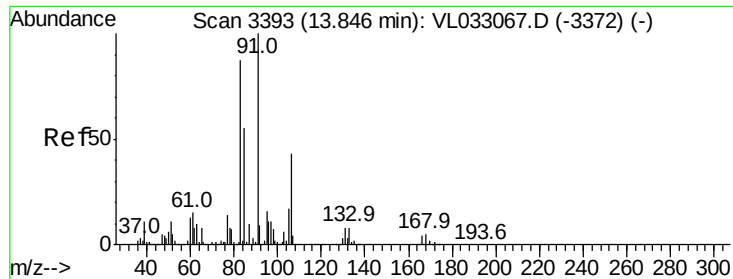
Tgt Ion:104 Resp: 3408404
Ion Ratio Lower Upper
104 100
78 51.7 41.6 62.4
103 47.2 38.1 57.1



#62
Isopropylbenzene
Concen: 7.346 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.01 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Tgt Ion:105 Resp: 6422567
Ion Ratio Lower Upper
105 100
120 25.5 20.4 30.6





#63

1,1,2,2-Tetrachloroethane

Concen: 6.919 ppbv

RT: 13.84 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

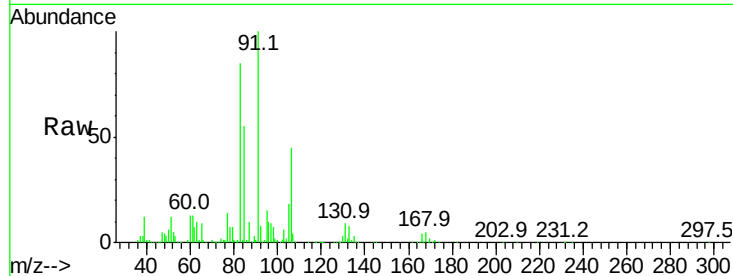
Tgt Ion: 83 Resp: 3157329

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.4

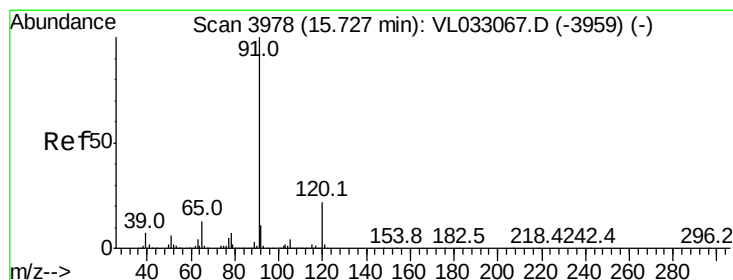
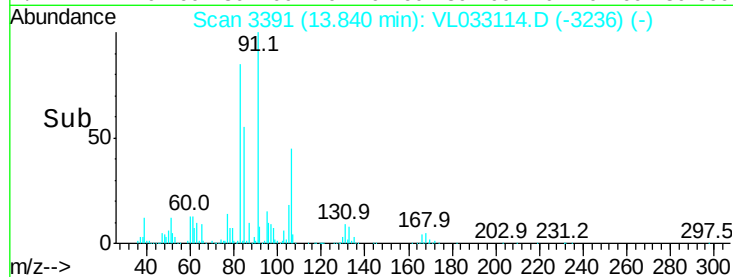
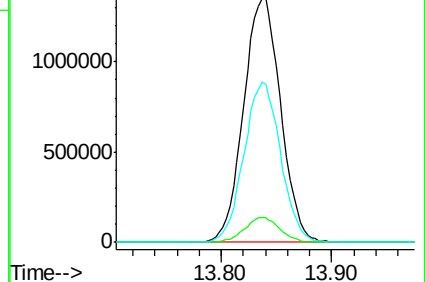
85 64.9 32.6 97.8



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: 7.413 ppbv

RT: 15.72 min Scan# 3977

Delta R.T. -0.00 min

Lab File: VL033114.D

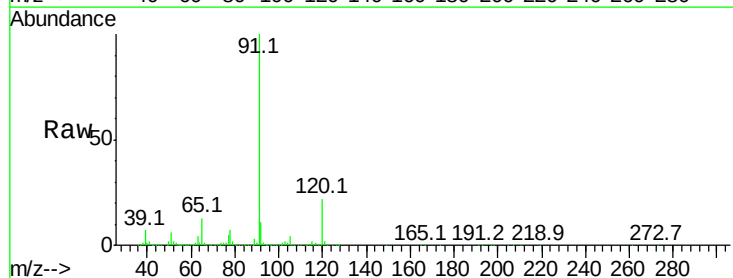
Acq: 28 Jan 2019 15:41

Tgt Ion: 120 Resp: 1646397

Ion Ratio Lower Upper

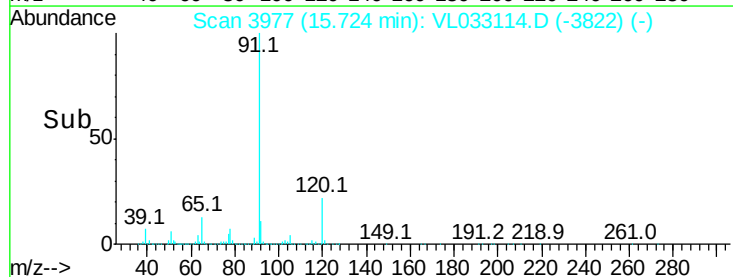
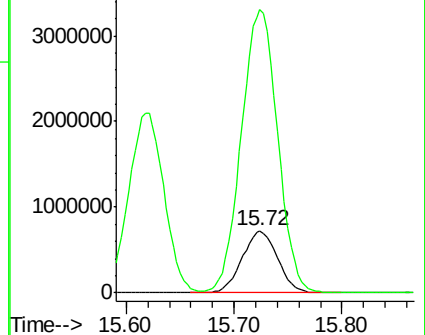
120 100

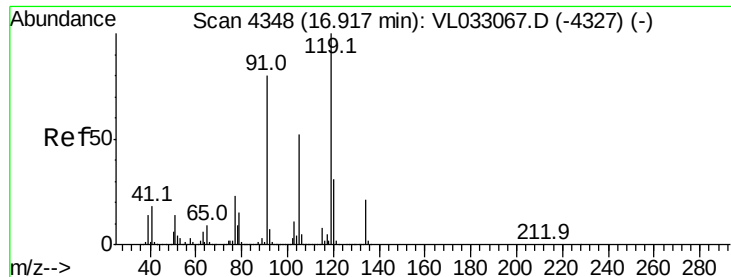
91 469.6 378.7 568.1



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.276 ppbv

RT: 16.91 min Scan# 4346

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

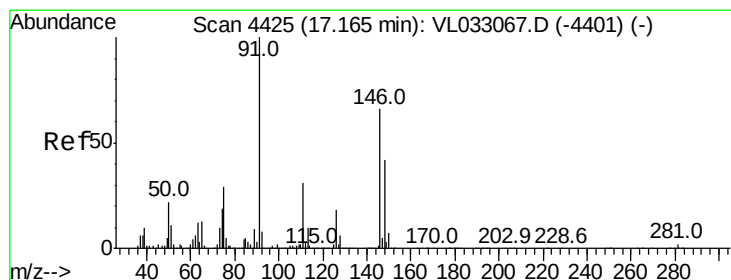
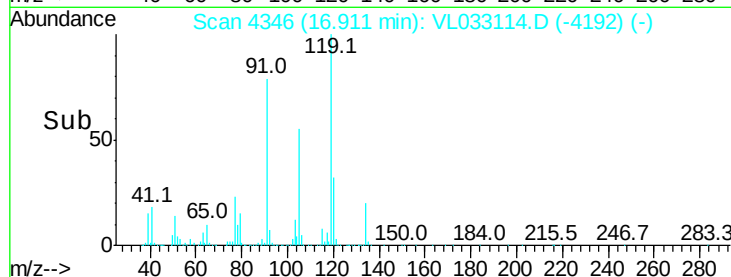
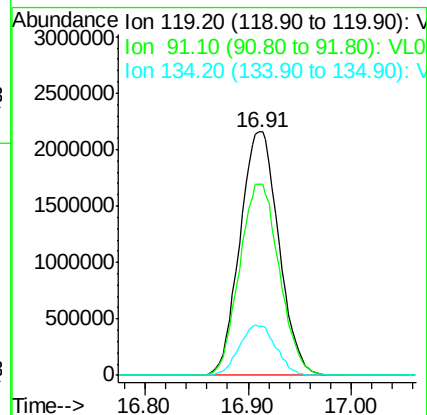
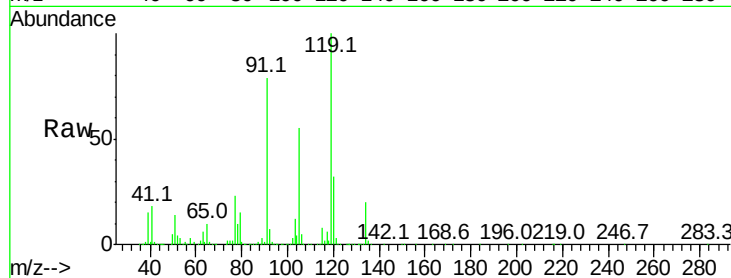
Tgt Ion: 119 Resp: 5634771

Ion Ratio Lower Upper

119 100

91 80.6 64.6 97.0

134 19.6 15.8 23.8



#66

Benzyl Chloride

Concen: 7.769 ppbv

RT: 17.16 min Scan# 4423

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

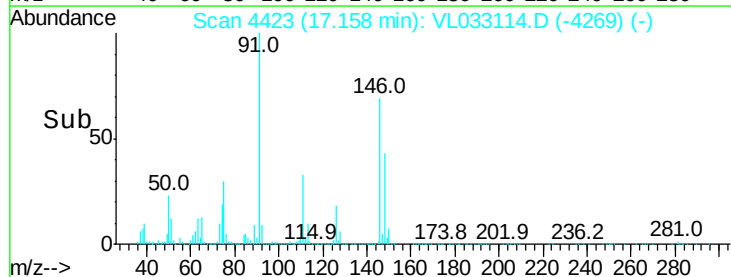
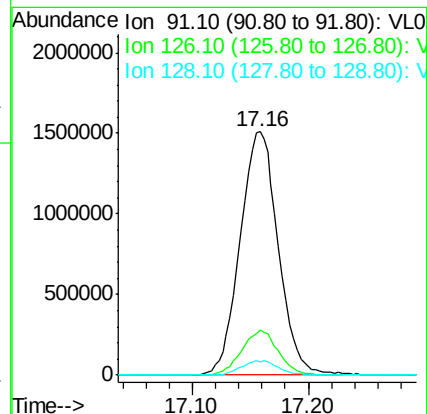
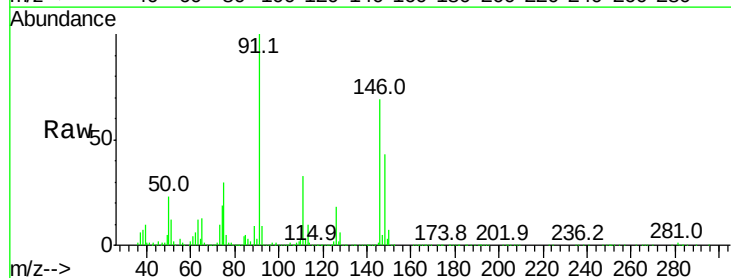
Tgt Ion: 91 Resp: 3428779

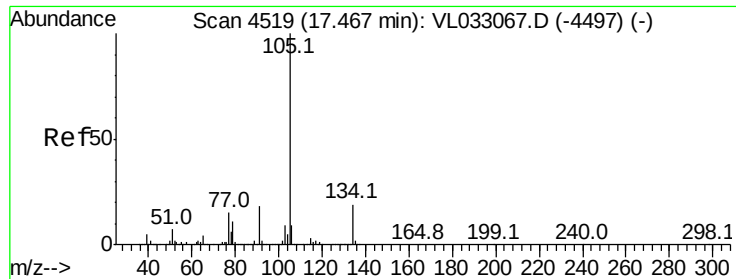
Ion Ratio Lower Upper

91 100

126 17.9 14.4 21.6

128 5.8 4.5 6.7





#67

sec-Butylbenzene

Concen: 7.197 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

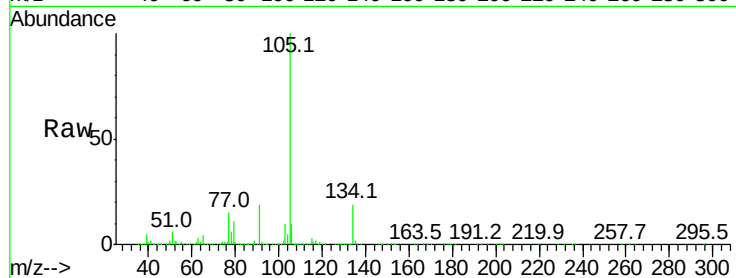
VSTDICCC010

Tgt Ion:105 Resp: 7976272

Ion Ratio Lower Upper

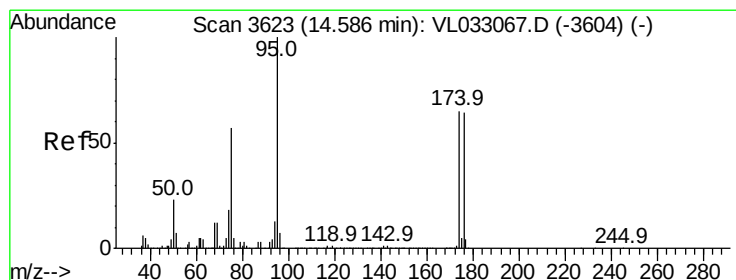
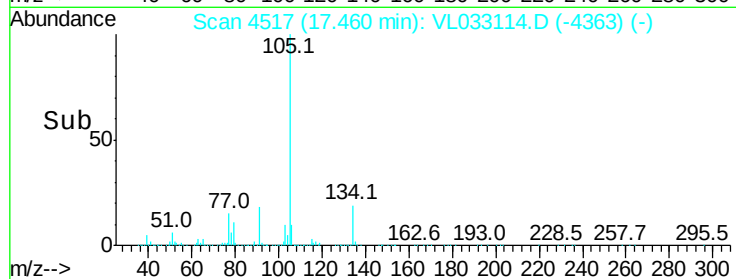
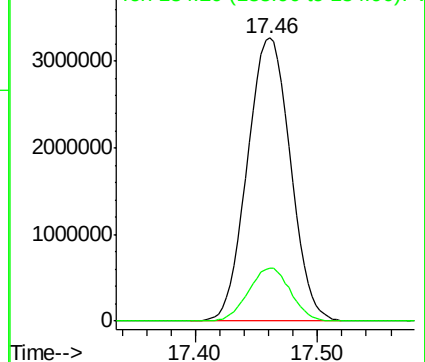
105 100

134 18.5 14.6 21.8



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: 7.969 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

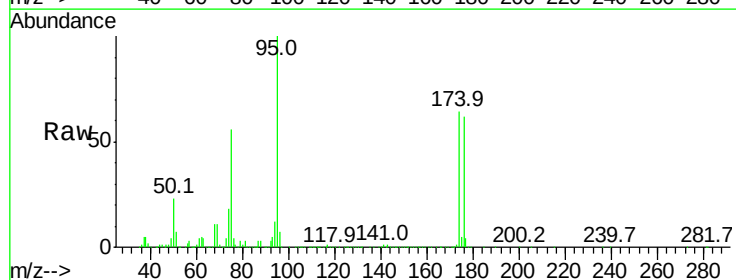
Tgt Ion: 95 Resp: 3281808

Ion Ratio Lower Upper

95 100

174 64.3 51.9 77.9

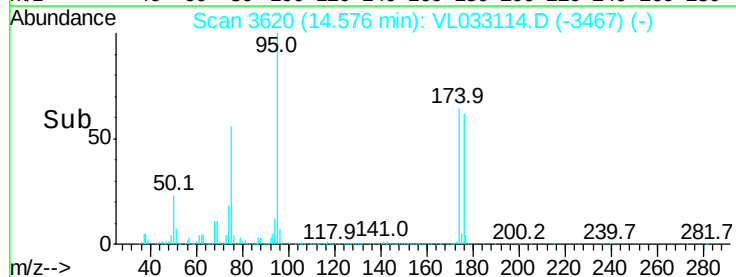
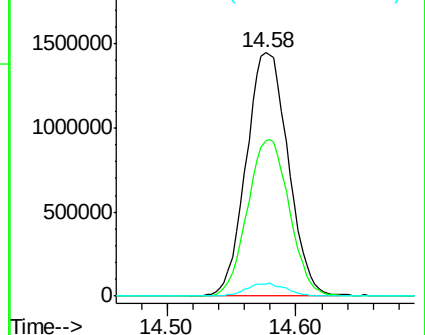
175 5.0 3.9 5.9

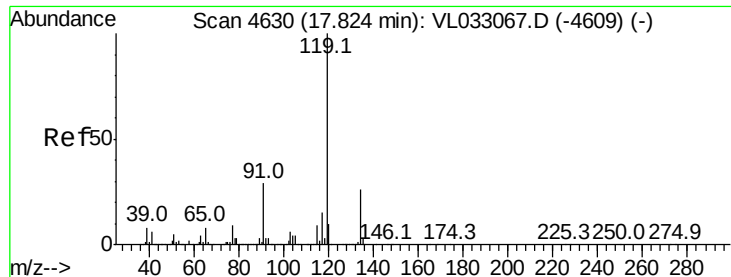


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



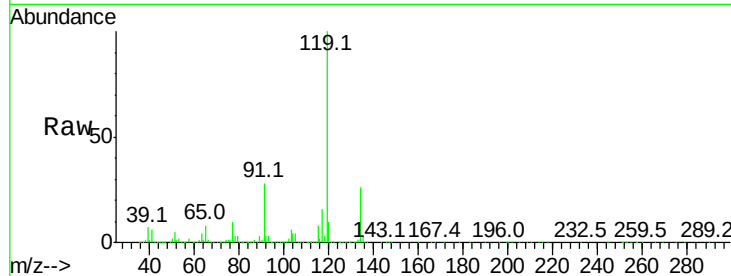


#69
 p-Isopropyltoluene
 Concen: 7.387 ppbv
 RT: 17.81 min Scan# 4627
 Delta R.T. -0.01 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

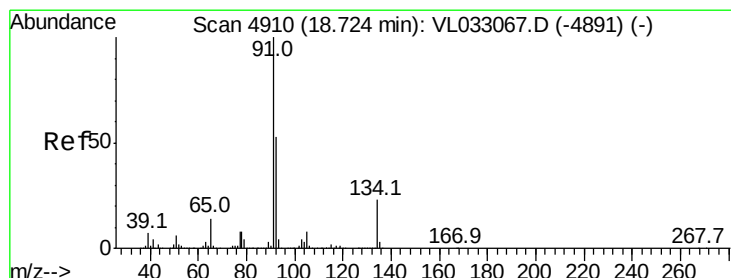
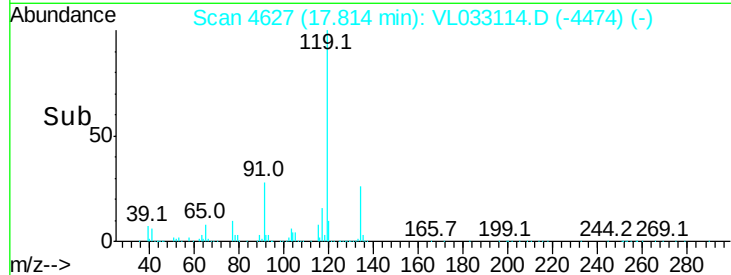
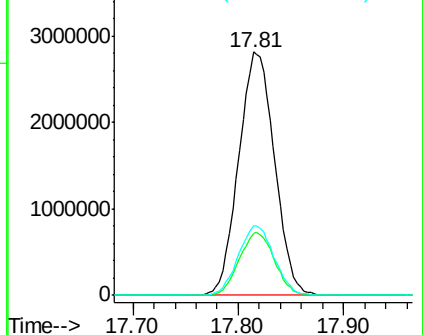
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 119 Resp: 6644772

Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.1	30.1
91	28.5	23.0	34.4



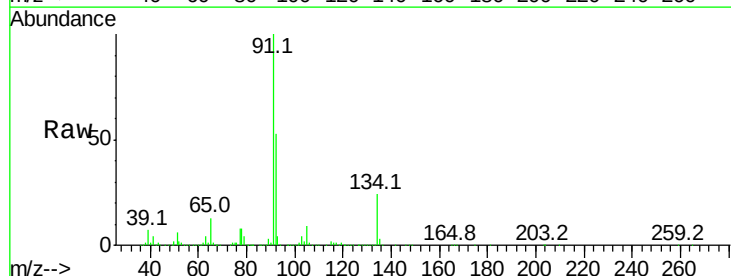
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V



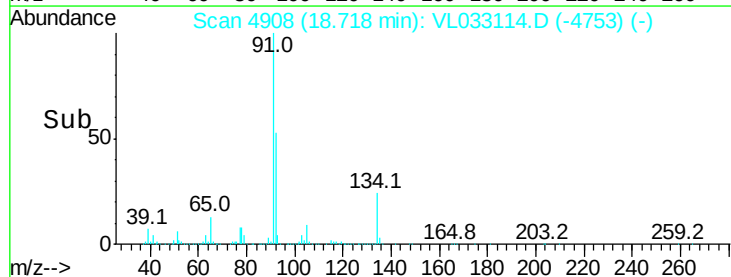
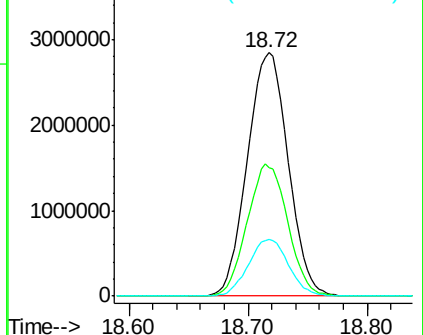
#70
 n-Butylbenzene
 Concen: 7.486 ppbv
 RT: 18.72 min Scan# 4908
 Delta R.T. -0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

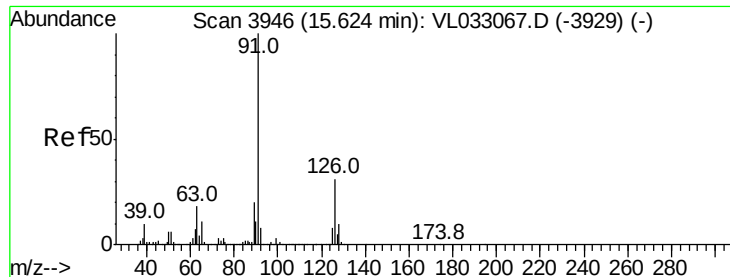
Tgt Ion: 91 Resp: 6768881

Ion	Ratio	Lower	Upper
91	100		
92	53.8	42.4	63.6
134	23.0	18.0	27.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.714 ppbv

RT: 15.62 min Scan# 3944

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

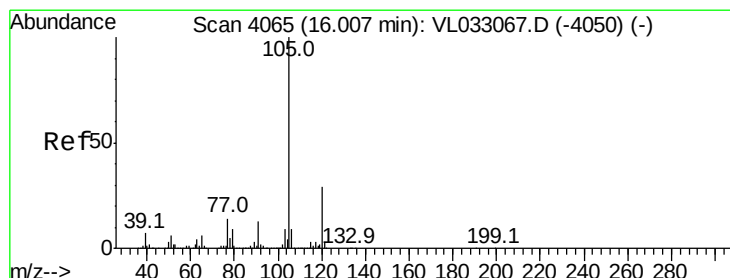
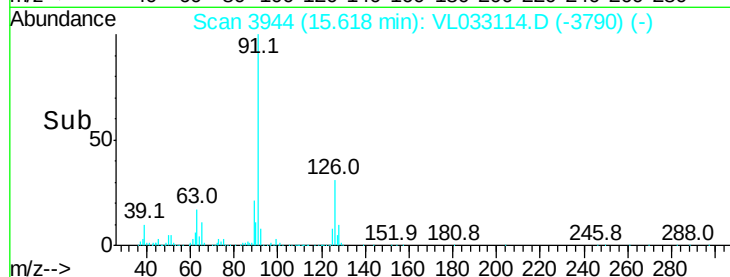
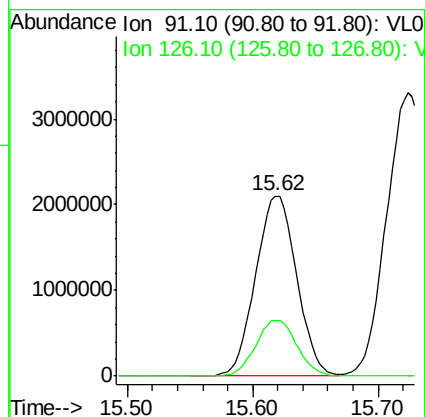
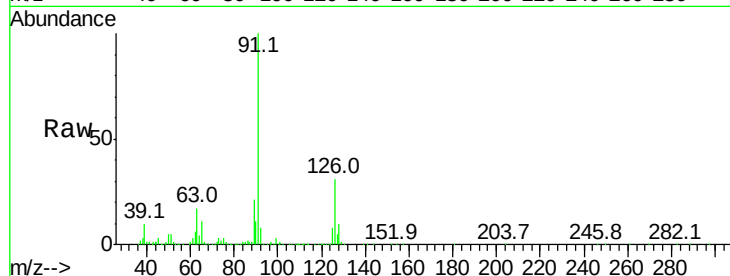
VSTDICCC010

Tgt Ion: 91 Resp: 4782611

Ion Ratio Lower Upper

91 100

126 31.1 12.4 49.6



#72

4-Ethyltoluene

Concen: 7.751 ppbv

RT: 16.00 min Scan# 4064

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Tgt Ion: 105 Resp: 5232528

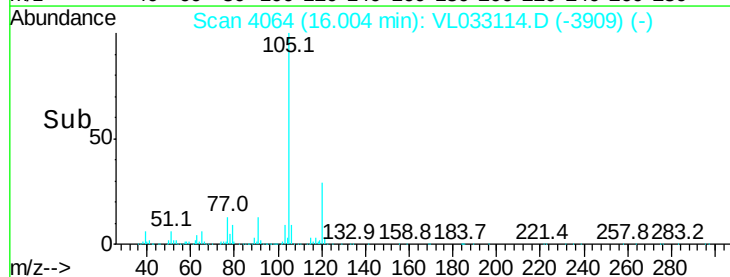
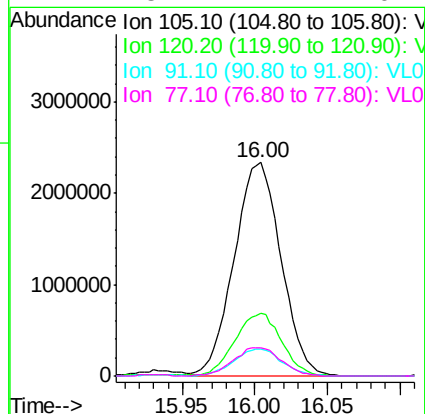
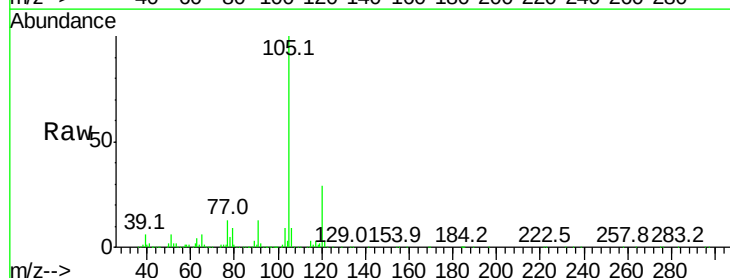
Ion Ratio Lower Upper

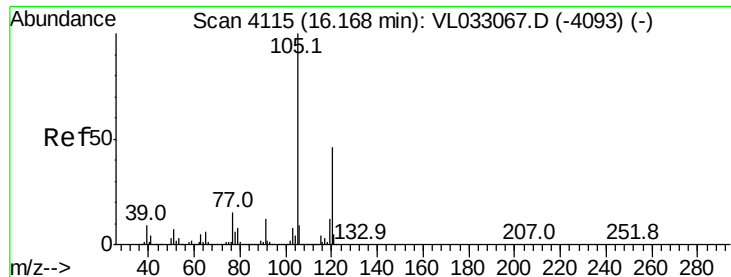
105 100

120 29.4 23.0 34.6

91 12.9 10.3 15.5

77 13.7 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 7.475 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

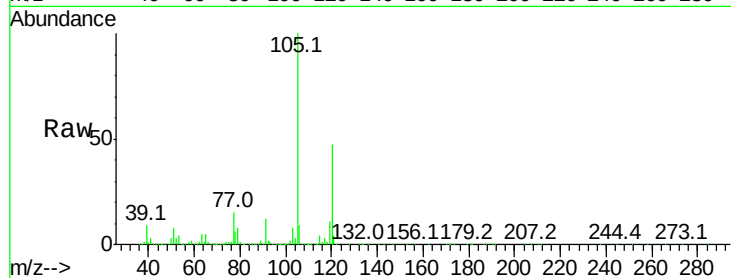
VSTDICCC010

Tgt Ion:105 Resp: 4979107

Ion Ratio Lower Upper

105 100

120 46.9 36.1 54.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2500000

2000000

1500000

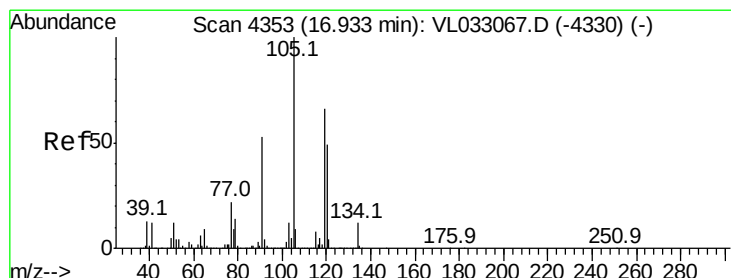
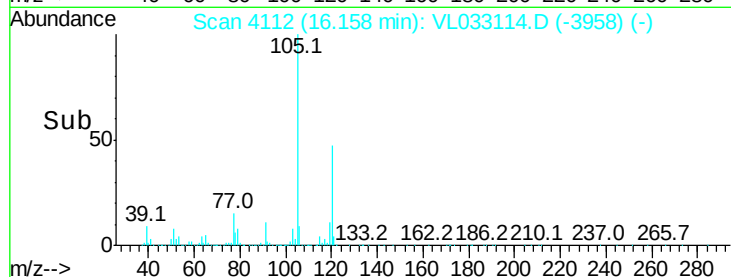
1000000

500000

0

16.10 16.20

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 6.968 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Tgt Ion:105 Resp: 5140773

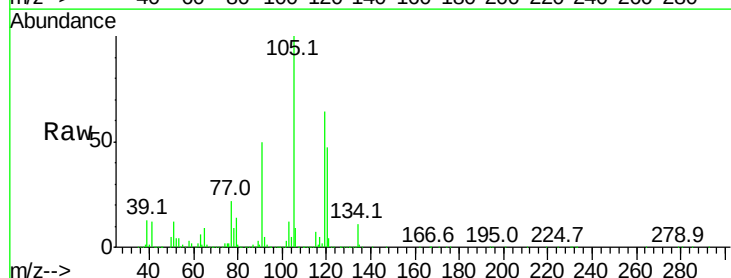
Ion Ratio Lower Upper

105 100

120 47.4 37.0 55.4

91 49.8 35.4 53.0

77 22.3 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

3000000

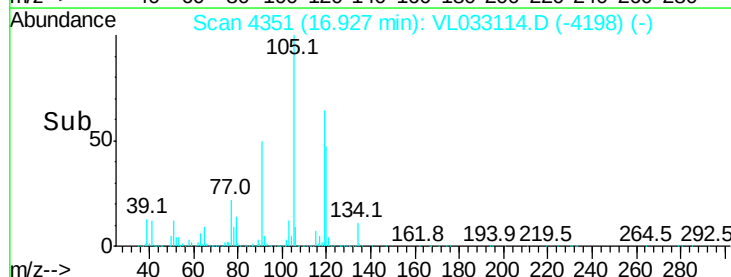
2000000

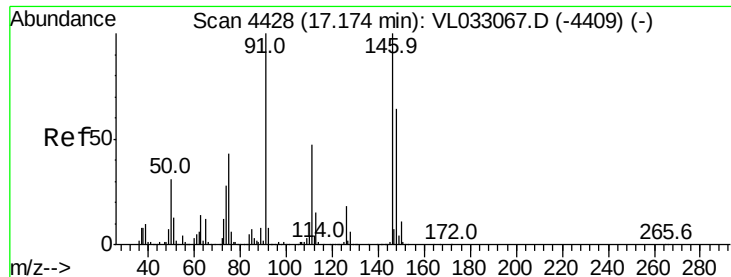
1000000

0

16.80 16.90 17.00

Time-->





#75

1,3-Dichlorobenzene

Concen: 6.720 ppbv

RT: 17.17 min Scan# 4427

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

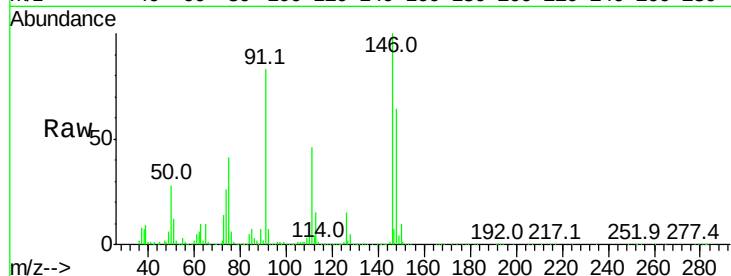
Tgt Ion:146 Resp: 2918140

Ion Ratio Lower Upper

146 100

111 46.7 23.4 70.2

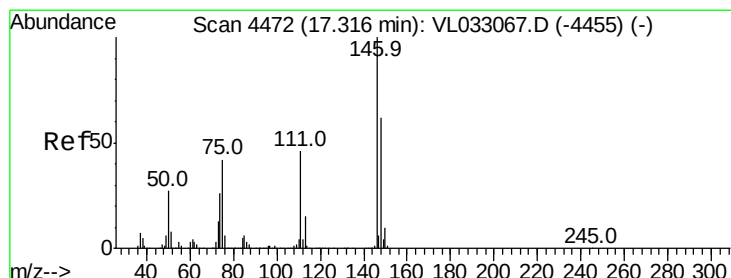
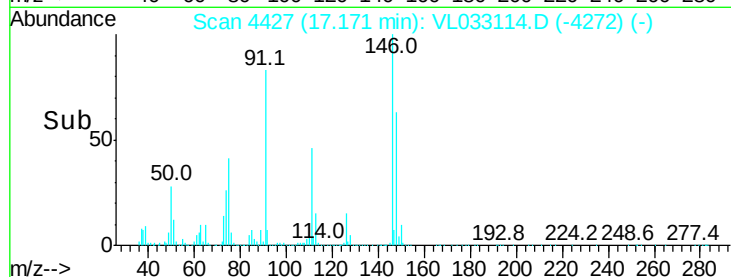
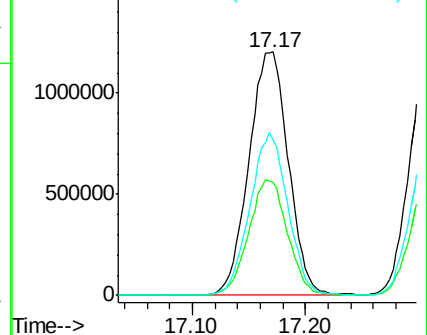
148 64.2 32.1 96.3



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: 7.313 ppbv

RT: 17.31 min Scan# 4470

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

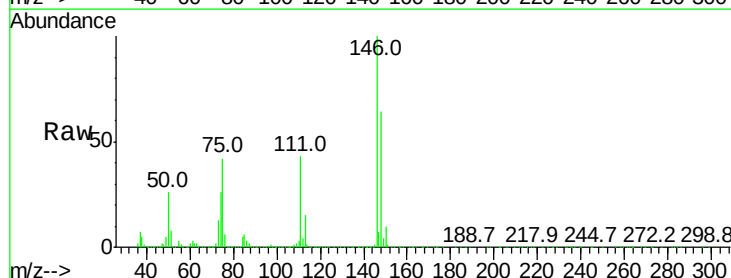
Tgt Ion:146 Resp: 2892612

Ion Ratio Lower Upper

146 100

111 45.3 22.7 68.1

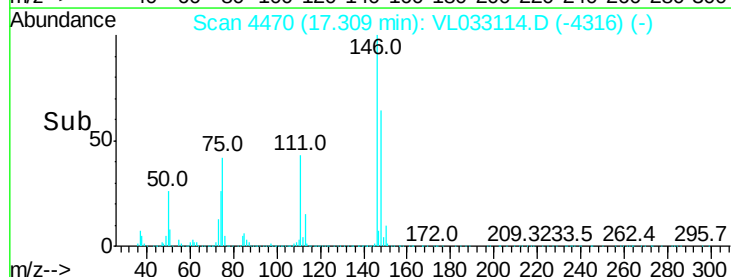
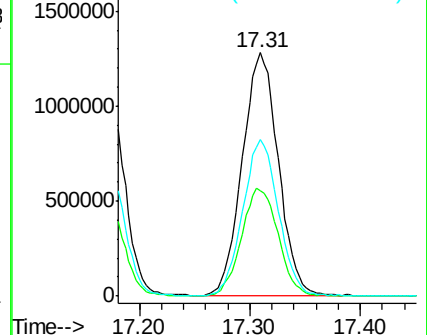
148 64.2 32.4 97.2

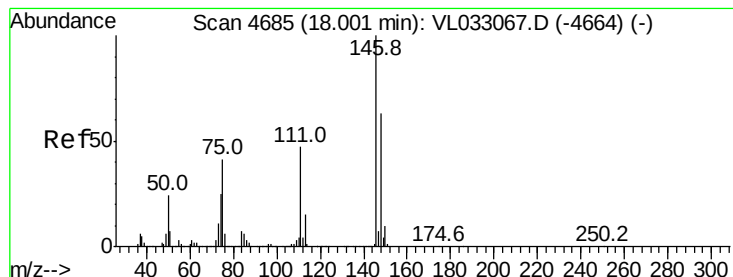


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.215 ppbv

RT: 17.99 min Scan# 4682

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

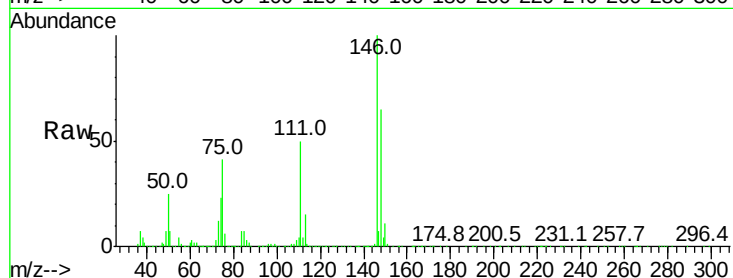
Tgt Ion:146 Resp: 2821647

Ion Ratio Lower Upper

146 100

111 48.8 24.4 73.2

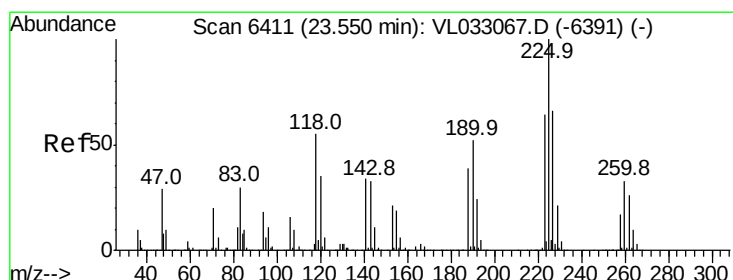
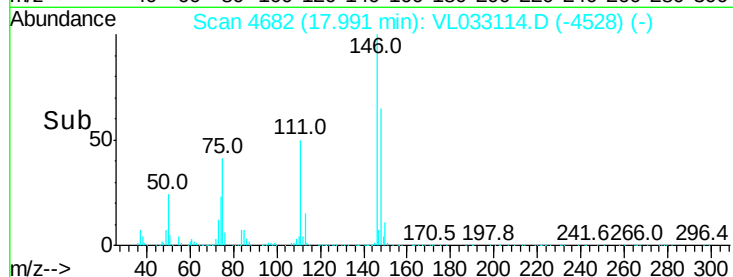
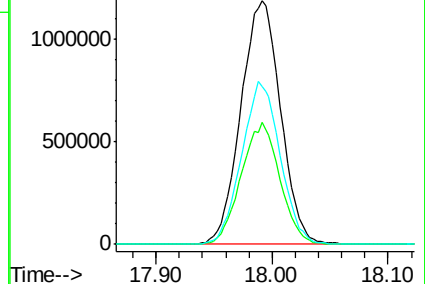
148 65.1 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 4.275 ppbv

RT: 23.55 min Scan# 6410

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

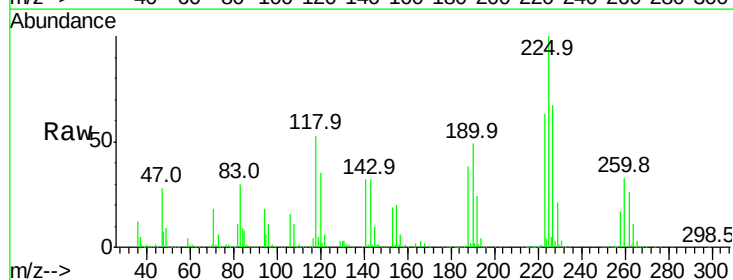
Tgt Ion:225 Resp: 1284030

Ion Ratio Lower Upper

225 100

223 63.1 51.0 76.6

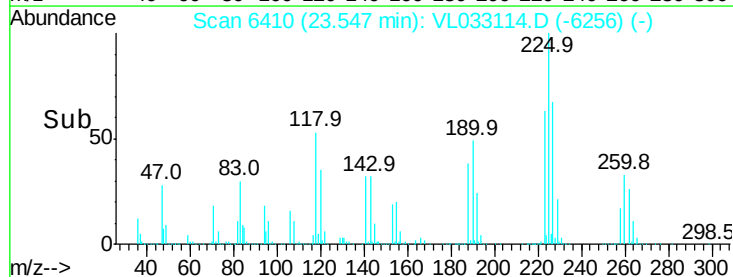
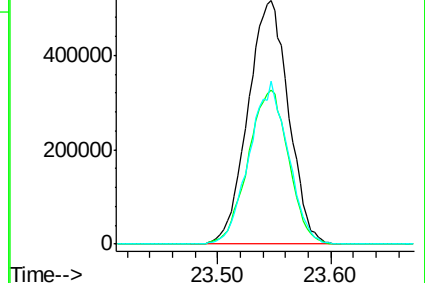
227 63.7 51.0 76.4

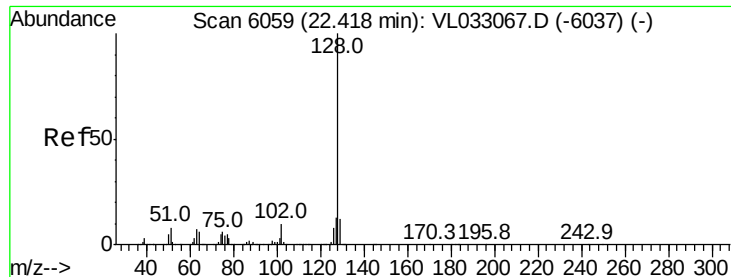


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 6.935 ppbv

RT: 22.42 min Scan# 6058

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

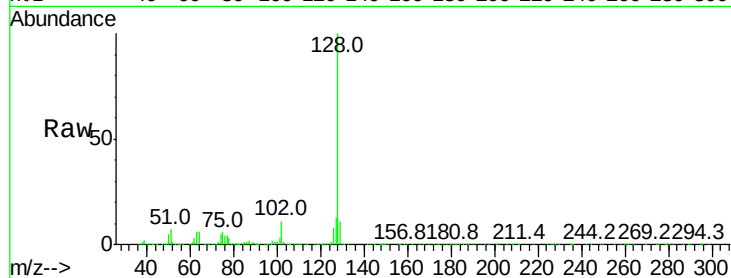
MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:128 Resp: 4309647

Ion	Ratio	Lower	Upper
128	100		
127	13.2	11.0	16.6
129	11.5	9.4	14.0

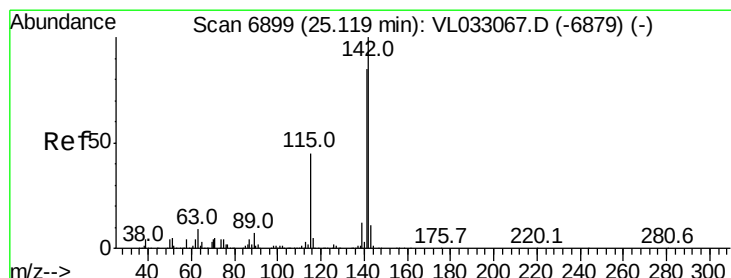
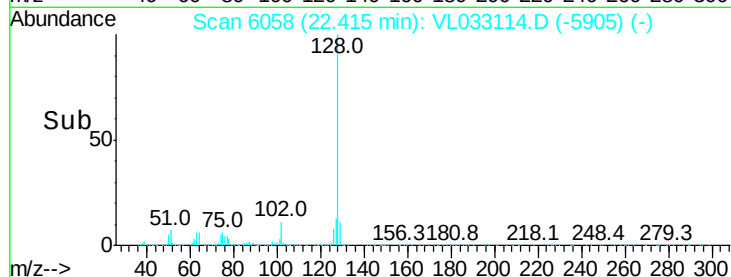
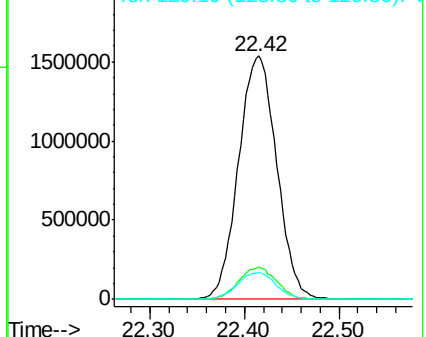


Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 8.372 ppbv

RT: 25.12 min Scan# 6898

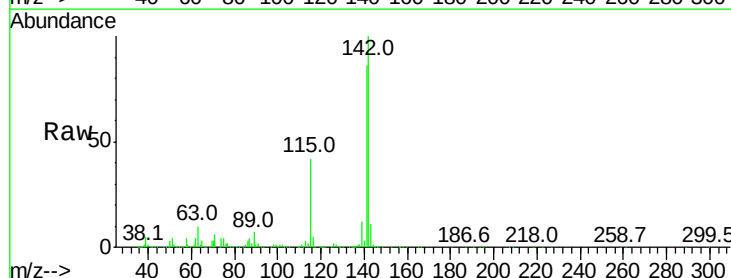
Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Tgt Ion:142 Resp: 1578630

Ion	Ratio	Lower	Upper
142	100		
141	84.3	68.6	103.0
115	43.6	35.6	53.4

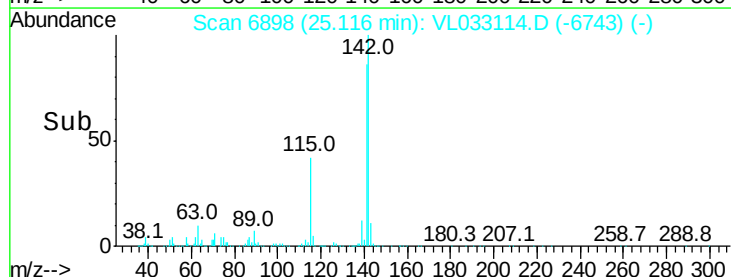
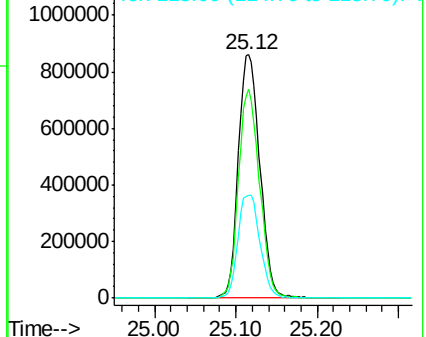


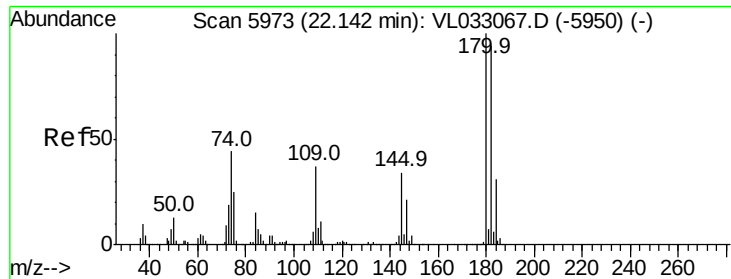
Abundance

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

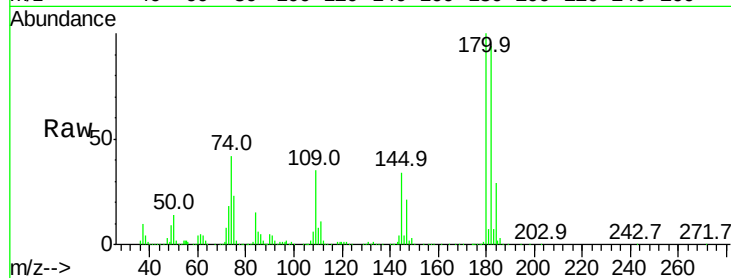




#81
 1,2,4-Trichlorobenzene
 Concen: 6.853 ppbv
 RT: 22.14 min Scan# 5971
 Delta R.T. -0.01 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:180 Resp: 2057197
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.1 114.1
 184 30.3 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

