

Data File : VL033966.D

Acq On : 26 Jun 2019 13:58

Operator : SY/AP

Sample : VL0626ABS01

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0626ABS01

Quant Time: Jun 27 01:22:31 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019

QLast Update : Fri Jun 07 08:53:27 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	887899	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.27	114	2032142	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.21	117	2600209	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.55	95	1763413	8.26	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.07	85	1520269	10.552	ppbv	98
3) Chlorodifluoromethane	3.00	51	1032285	9.876	ppbv	99
4) Chloromethane	3.16	50	528898	8.871	ppbv	99
5) Vinyl Chloride	3.28	62	544802	9.848	ppbv	99
6) Bromomethane	3.50	94	366666	9.977	ppbv	97
7) Chloroethane	3.59	64	208177	9.515	ppbv	95
8) Dichlorotetrafluoroethane	3.21	85	1491893	9.689	ppbv	100
9) Propene	3.02	41	380453	9.727	ppbv	98
10) Heptane	8.22	43	1071877	10.842	ppbv	99
11) Trichlorofluoromethane	3.99	101	1860167	10.006	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1243134	9.894	ppbv	100
13) Ethanol	3.64	45	136453	10.723	ppbv	96
14) Bromoethene	3.77	108	481039	10.275	ppbv	99
15) Acetone	3.89	43	1339404	10.343	ppbv	100
16) 1,3-Butadiene	3.35	39	502054	10.186	ppbv	98
17) tert-Butyl alcohol	4.34	59	1140139	11.263	ppbv	99
18) 1,1-Dichloroethene	4.34	96	538738	10.152	ppbv	96
19) Isopropyl Alcohol	4.01	45	845792	11.433	ppbv	# 98
20) Methylene Chloride	4.39	84	447221	8.856	ppbv	95
21) Allyl Chloride	4.46	41	747933	10.168	ppbv	99
22) trans-1,2-Dichloroethene	4.94	96	554801	9.918	ppbv	97
23) Vinyl Acetate	5.14	43	1665736	11.067	ppbv	99
24) 1,1-Dichloroethane	5.07	63	1123498	9.597	ppbv	99
25) Ethyl Acetate	5.75	43	1898907	9.629	ppbv	100
26) Hexane	5.76	57	840353	9.359	ppbv	99
27) Carbon Disulfide	4.60	76	1335956	10.709	ppbv	99
28) Methyl tert-Butyl Ether	5.09	73	1497661	11.030	ppbv	100
29) Chloroform	5.83	83	1497048	9.735	ppbv	98
30) Cyclohexane	7.22	84	685741	10.809	ppbv	98
31) cis-1,2-Dichloroethene	5.62	61	842054	10.694	ppbv	98
32) 1,1,1-Trichloroethane	6.60	97	1570378	10.586	ppbv	100
34) 2-Butanone	5.31	43	1235204	10.774	ppbv	99
35) Carbon Tetrachloride	7.11	117	1691790	10.775	ppbv	98
36) Benzene	6.98	78	1670015	10.758	ppbv	99
37) 1,2-Dichloroethane	6.39	62	1154888	10.060	ppbv	100
38) Trichloroethene	7.93	130	718821	11.893	ppbv	97
39) 1,2-Dichloropropane	7.71	63	630830	10.529	ppbv	95
40) 1,4-Dioxane	7.93	88	260252	10.650	ppbv	# 1
41) Tetrahydrofuran	6.12	42	654055	11.240	ppbv	100
42) Bromodichloromethane	7.89	83	1622057	10.573	ppbv	99
43) Methyl Methacrylate	8.12	69	686059	11.817	ppbv	99

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Instrument :
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ClientSampleId :
VL0626ABS01

Quant Time: Jun 27 01:22:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.97	57	2920168	10.578	ppbv	99
45) t-1,3-Dichloropropene	9.39	75	869649	11.416	ppbv	98
46) cis-1,3-Dichloropropene	8.81	75	1003935	11.503	ppbv	97
47) 1,1,2-Trichloroethane	9.59	97	726372	10.170	ppbv	98
48) Dibromochloromethane	10.42	129	1409391	10.981	ppbv	99
49) Bromoform	13.17	173	1245807	10.995	ppbv	99
50) 4-Methyl-2-Pentanone	8.84	43	1860380	10.883	ppbv	100
51) 2-Hexanone	10.25	43	1536324	11.508	ppbv #	99
52) Tetrachloroethene	11.34	164	664938	12.174	ppbv	97
53) Toluene	9.92	91	2003038	11.660	ppbv	99
54) 1,2-Dibromoethane	10.73	107	1166641	10.836	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.25	131	962160	8.471	ppbv	99
57) Chlorobenzene	12.27	112	1595889	8.195	ppbv	98
58) Ethyl Benzene	12.83	91	2781188	9.487	ppbv	99
59) m/p-Xylene	13.12	91	2483402	9.315	ppbv #	36
60) o-Xylene	13.82	91	2461549	8.943	ppbv	100
61) Styrene	13.65	104	1681853	9.442	ppbv	99
62) Isopropylbenzene	14.80	105	3321489	8.953	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.81	83	1741476	8.405	ppbv	99
64) n-propylbenzene	15.69	120	880594	9.269	ppbv	98
65) tert-Butylbenzene	16.88	119	3171693	9.240	ppbv	100
66) Benzyl Chloride	17.13	91	1437666	8.265	ppbv	99
67) sec-Butylbenzene	17.43	105	4404230	9.146	ppbv	99
69) p-Isopropyltoluene	17.79	119	3673293	9.168	ppbv	100
70) n-Butylbenzene	18.69	91	3847136	8.766	ppbv	100
71) 2-Chlorotoluene	15.59	91	2579641	9.439	ppbv	99
72) 4-Ethyltoluene	15.97	105	2944328	9.400	ppbv	99
73) 1,3,5-Trimethylbenzene	16.13	105	2840202	9.206	ppbv	99
74) 1,2,4-Trimethylbenzene	16.90	105	3007332	8.457	ppbv	100
75) 1,3-Dichlorobenzene	17.14	146	1719814	7.723	ppbv	100
76) 1,4-Dichlorobenzene	17.28	146	1659325	8.115	ppbv	99
77) 1,2-Dichlorobenzene	17.96	146	1649674	8.027	ppbv	99
78) Hexachloro-1,3-Butadiene	23.51	225	1173226	7.309	ppbv	99
79) Naphthalene	22.38	128	2338442	8.227	ppbv	99
80) Naphthalene,2-methyl-	25.09	142	620631	5.472	ppbv	99
81) 1,2,4-Trichlorobenzene	22.09	180	644923	3.594	ppbv #	9

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

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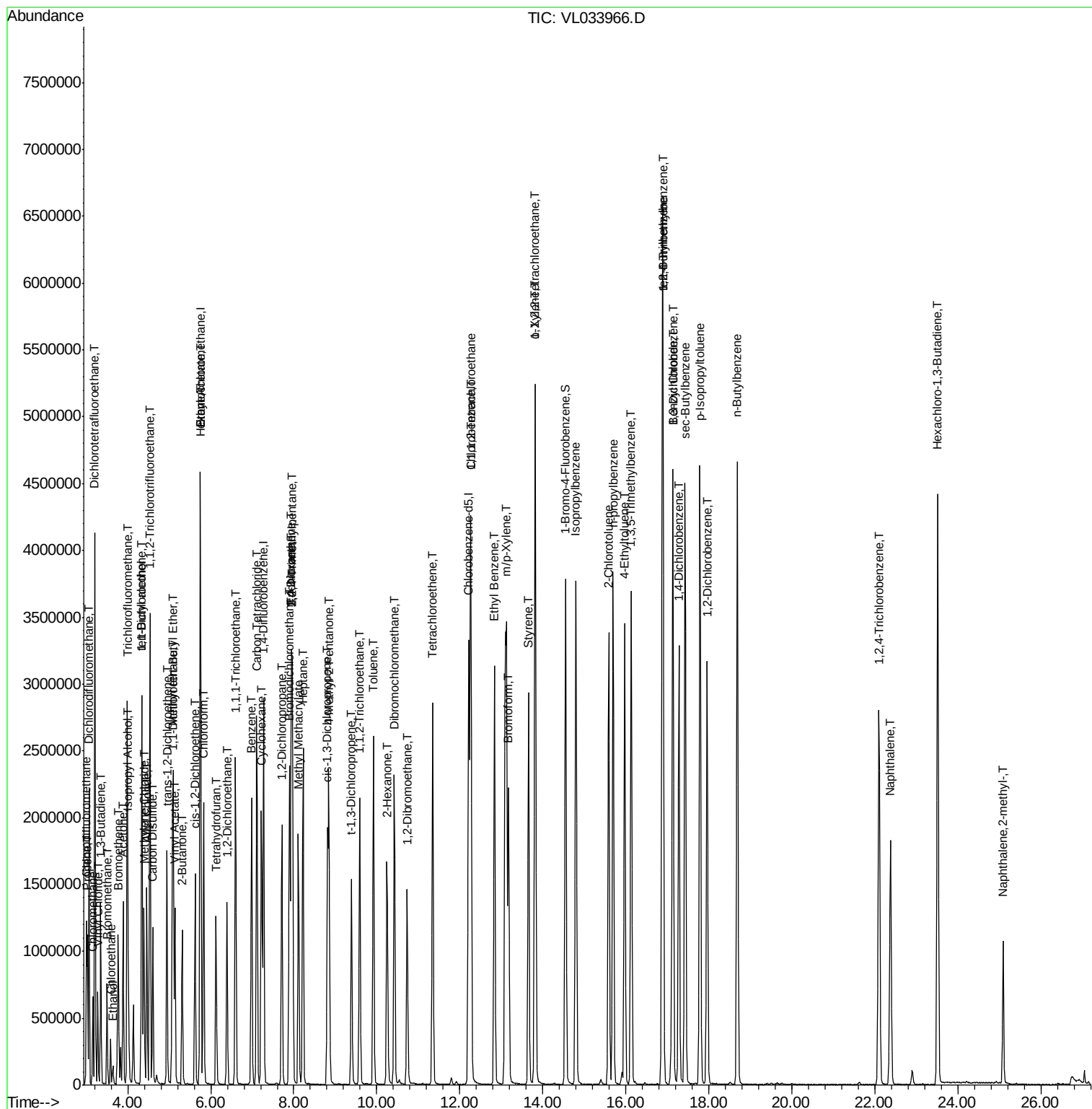
Quant Time: Jun 27 01:22:31 2019

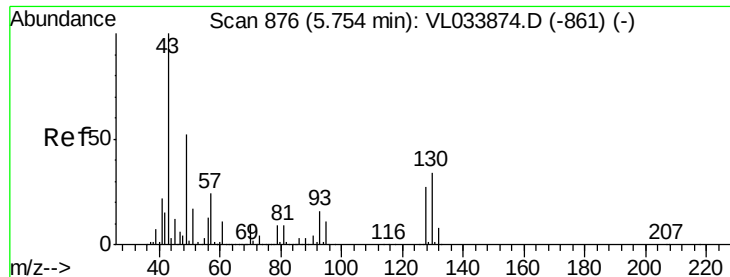
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL060719AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Jun 07 08:53:27 2019

QLast Update : Fri Jun 07 08:53:27 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.74 min Scan# 873

Delta R.T. -0.01 min

Lab File: VL033966.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

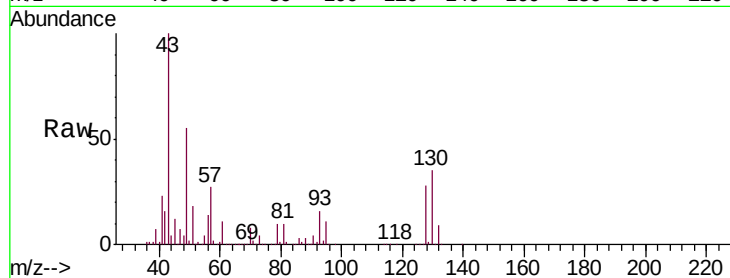
Tgt Ion: 49 Resp: 887899

Ion Ratio Lower Upper

49 100

128 50.3 25.5 76.5

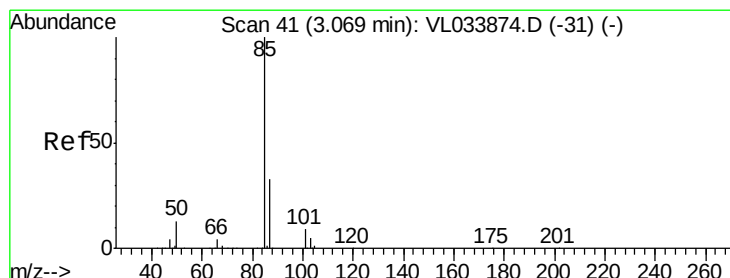
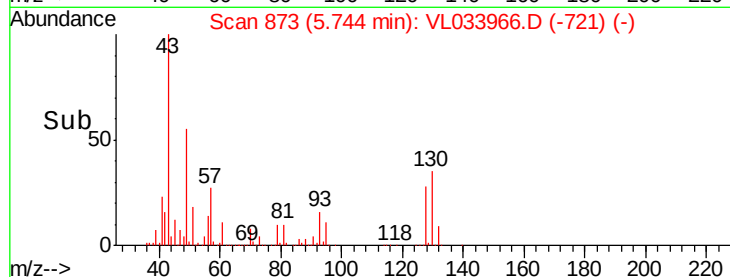
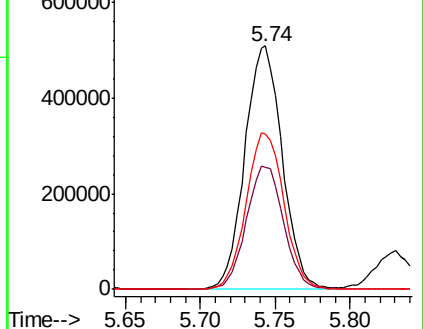
130 65.0 32.5 97.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 10.552 ppbv

RT: 3.07 min Scan# 40

Delta R.T. -0.00 min

Lab File: VL033966.D

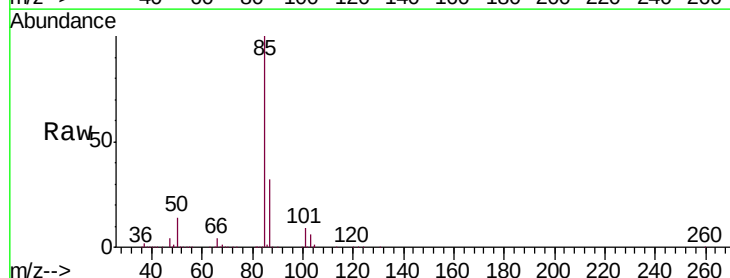
Acq: 26 Jun 2019 13:58

Tgt Ion: 85 Resp: 1520269

Ion Ratio Lower Upper

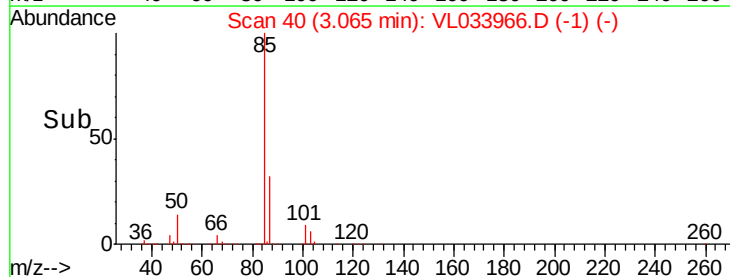
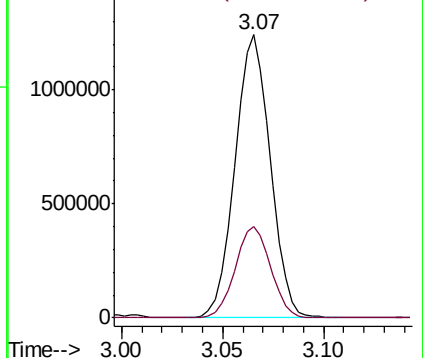
85 100

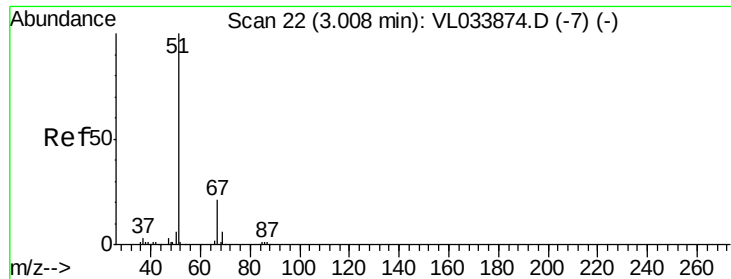
87 32.2 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

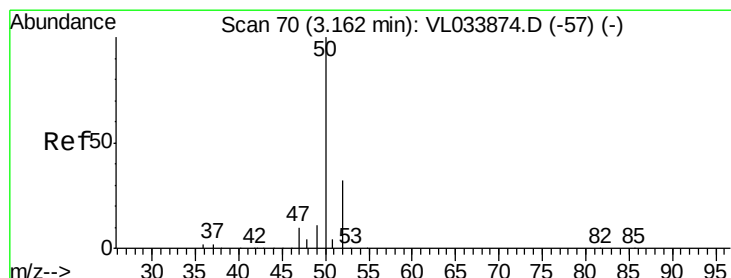
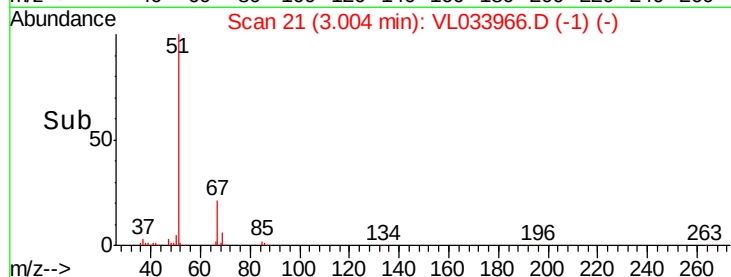
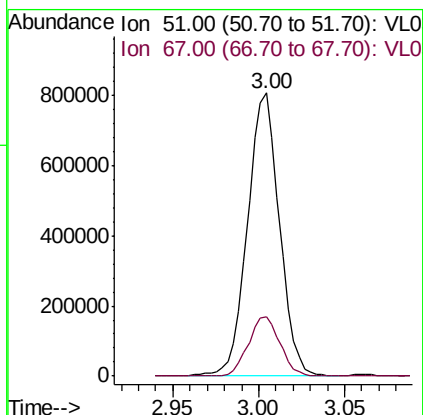
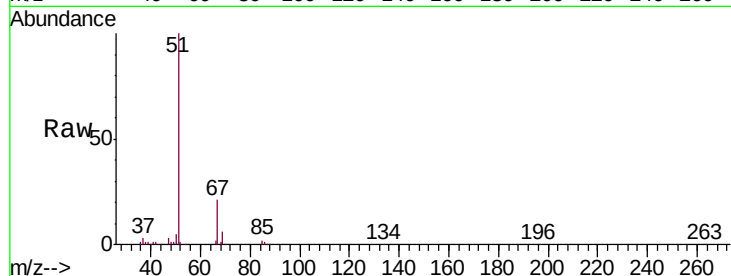




#3
 Chlorodifluoromethane
 Concen: 9.876 ppbv
 RT: 3.00 min Scan# 21
 Delta R.T. -0.00 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

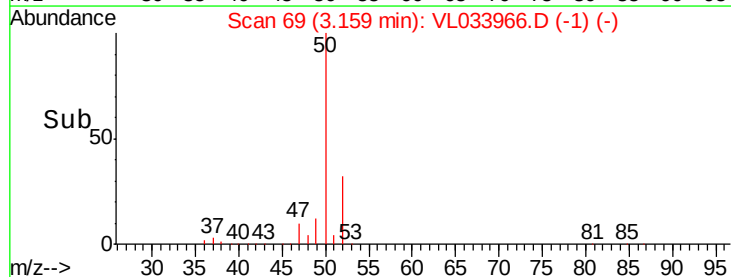
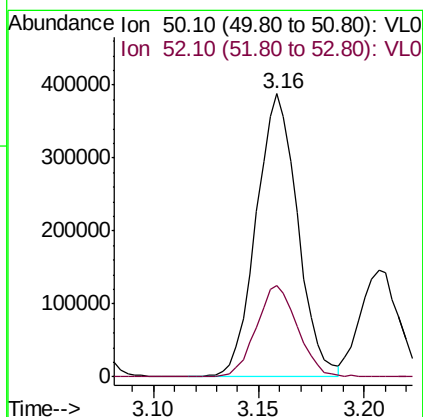
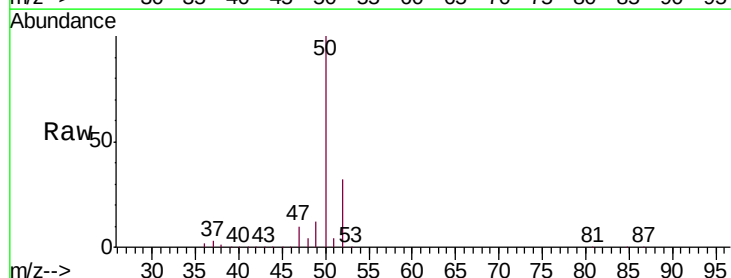
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

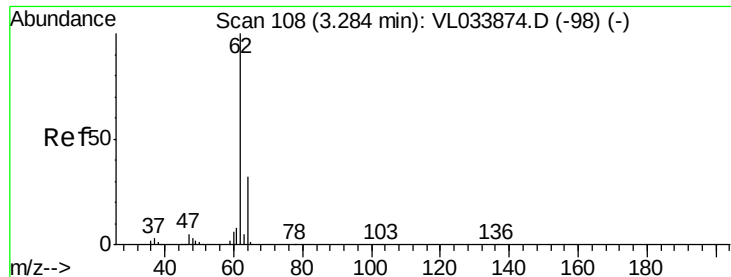
Tgt Ion: 51 Resp: 1032285
 Ion Ratio Lower Upper
 51 100
 67 21.0 16.4 24.6



#4
 Chloromethane
 Concen: 8.871 ppbv
 RT: 3.16 min Scan# 69
 Delta R.T. -0.00 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion: 50 Resp: 528898
 Ion Ratio Lower Upper
 50 100
 52 32.4 25.4 38.0





#5

Vinyl Chloride

Concen: 9.848 ppbv

RT: 3.28 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

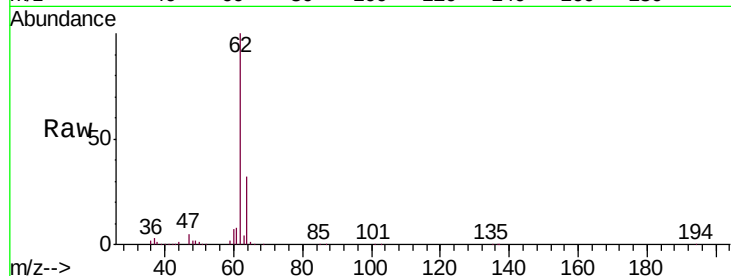
VL0626ABS01

Tgt Ion: 62 Resp: 544802

Ion Ratio Lower Upper

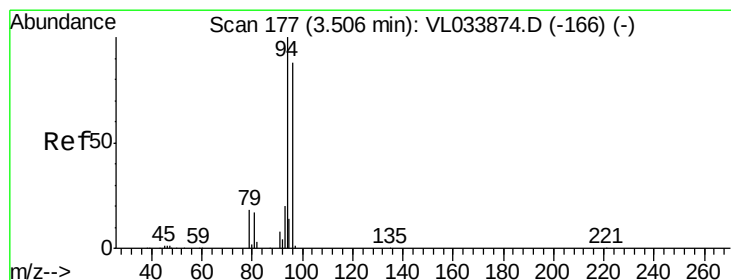
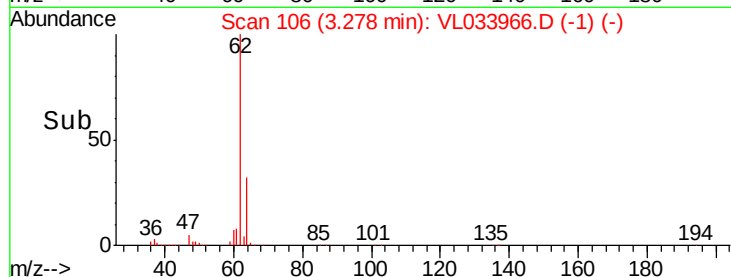
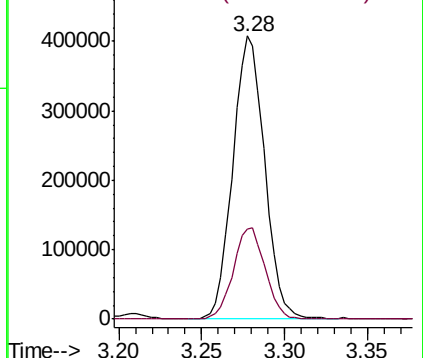
62 100

64 32.0 25.2 37.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.977 ppbv

RT: 3.50 min Scan# 175

Delta R.T. -0.01 min

Lab File: VL033966.D

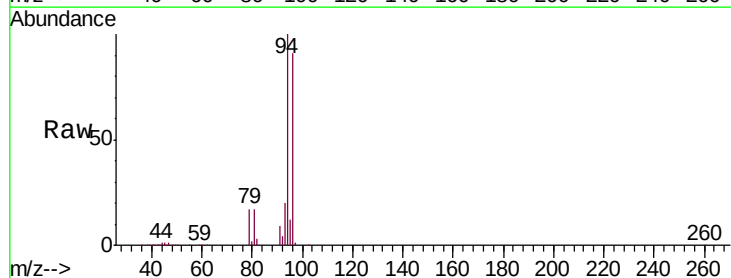
Acq: 26 Jun 2019 13:58

Tgt Ion: 94 Resp: 366666

Ion Ratio Lower Upper

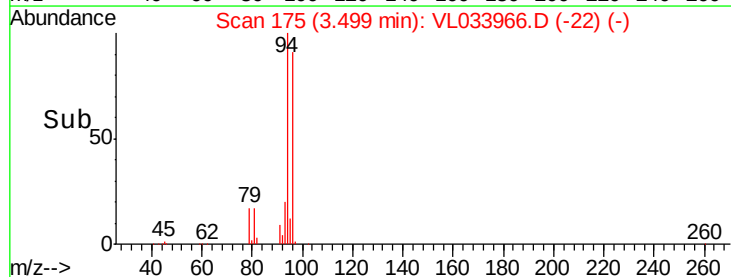
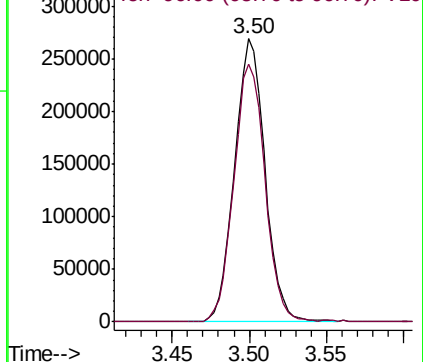
94 100

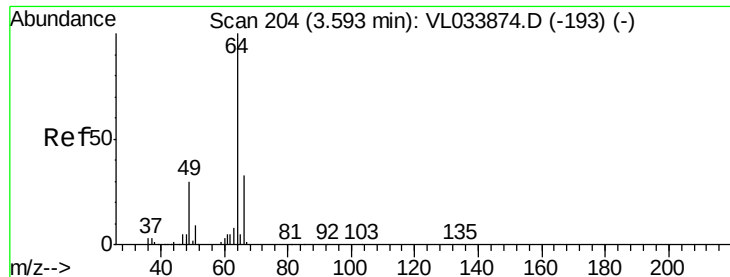
96 90.8 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.515 ppbv

RT: 3.59 min Scan# 202

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

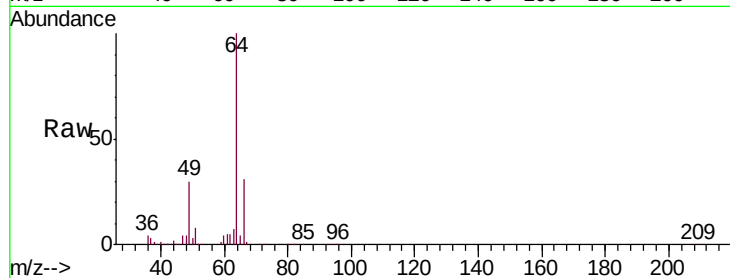
VL0626ABS01

Tgt Ion: 64 Resp: 208177

Ion Ratio Lower Upper

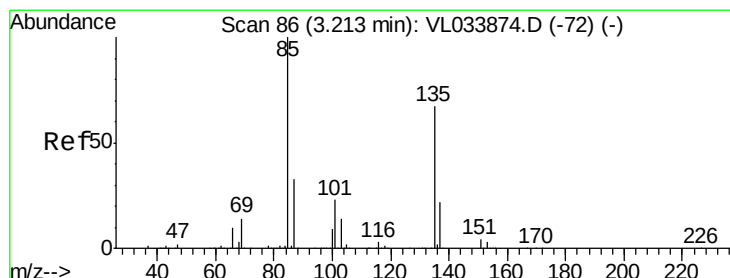
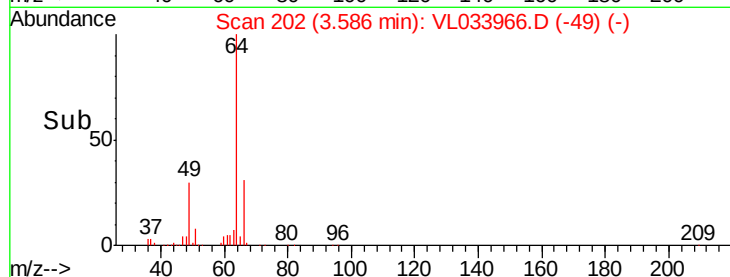
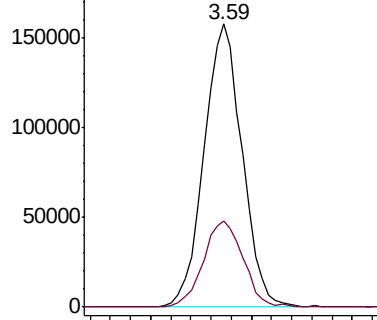
64 100

66 30.6 26.7 40.1



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.689 ppbv

RT: 3.21 min Scan# 84

Delta R.T. -0.01 min

Lab File: VL033966.D

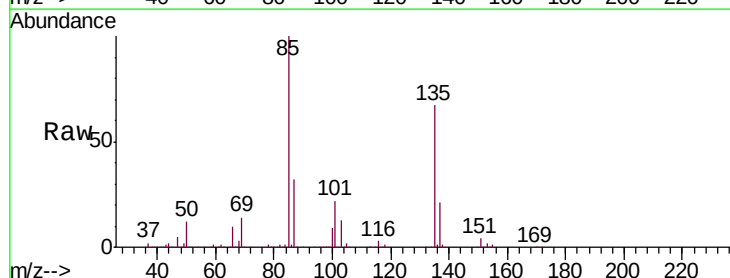
Acq: 26 Jun 2019 13:58

Tgt Ion: 85 Resp: 1491893

Ion Ratio Lower Upper

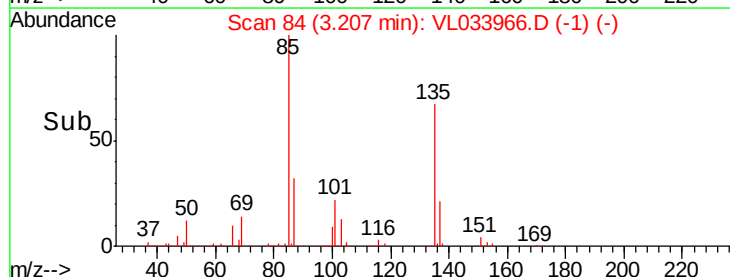
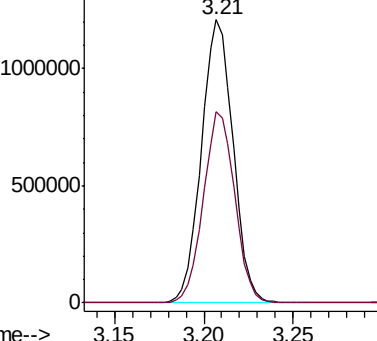
85 100

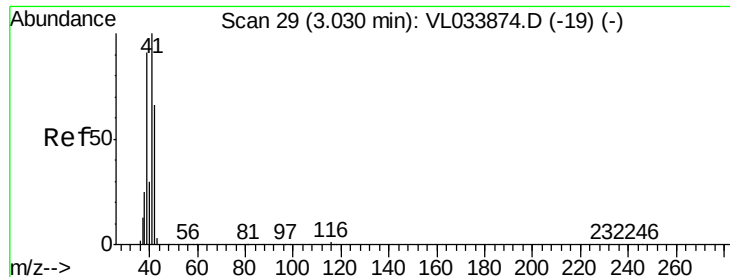
135 67.2 53.7 80.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.727 ppbv

RT: 3.02 min Scan# 27

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

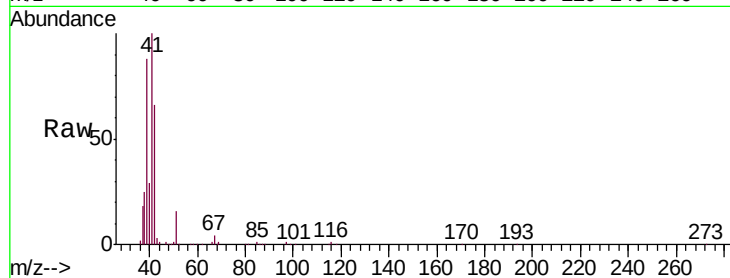
VL0626ABS01

Tgt Ion: 41 Resp: 380453

Ion Ratio Lower Upper

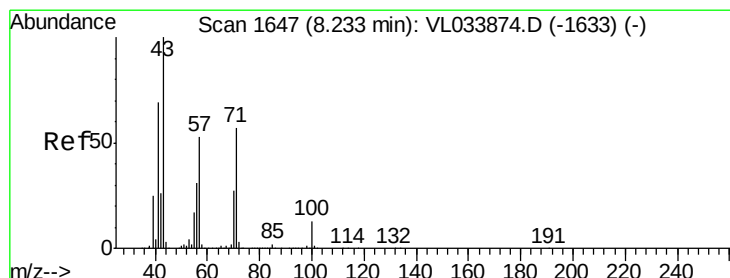
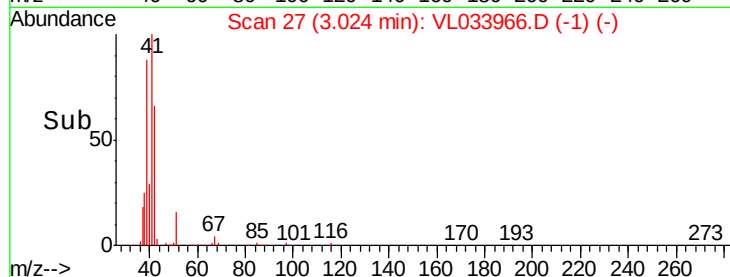
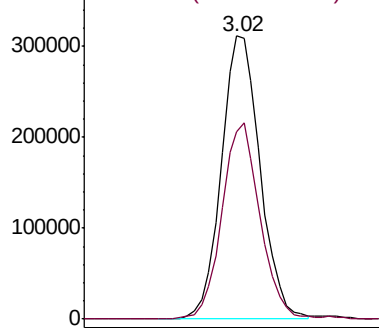
41 100

42 68.9 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.842 ppbv

RT: 8.22 min Scan# 1643

Delta R.T. -0.01 min

Lab File: VL033966.D

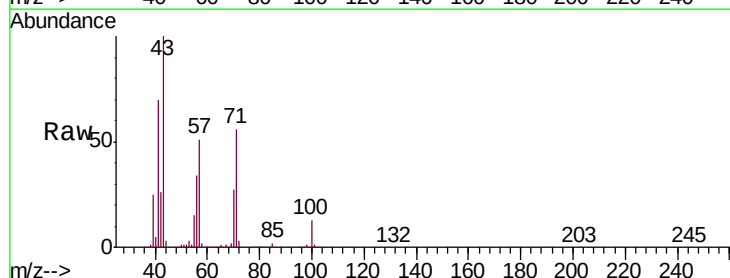
Acq: 26 Jun 2019 13:58

Tgt Ion: 43 Resp: 1071877

Ion Ratio Lower Upper

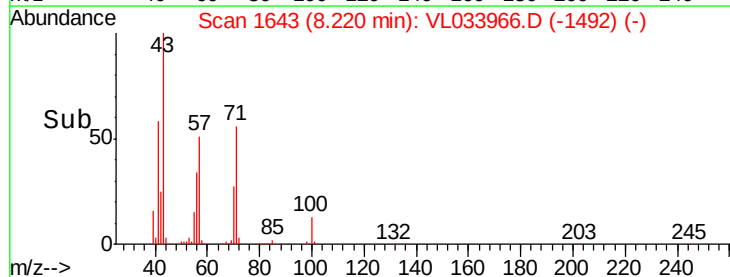
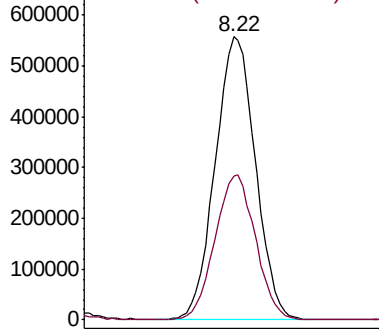
43 100

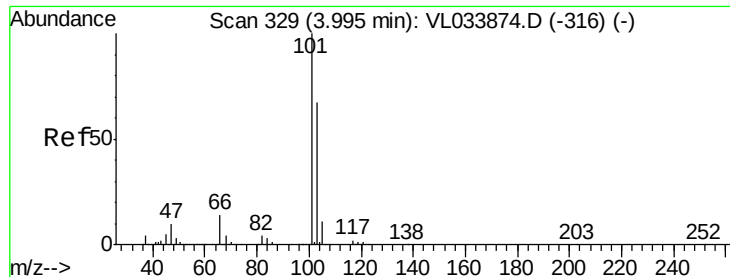
57 51.7 41.7 62.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

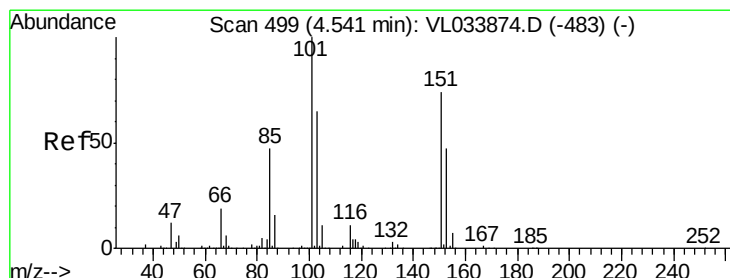
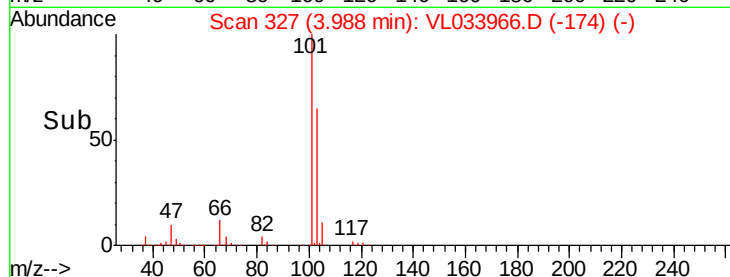
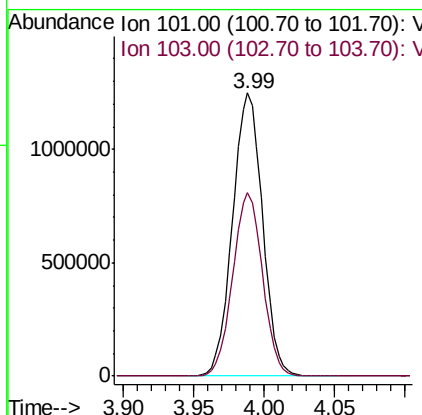
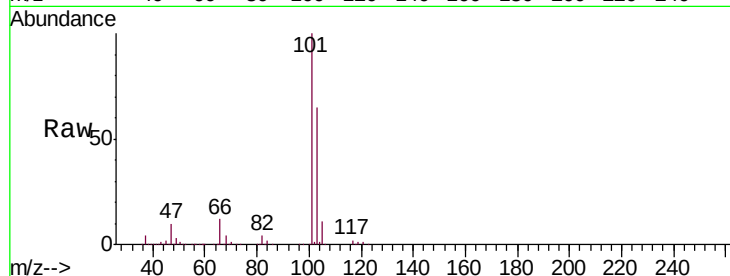




#11
 Trichlorofluoromethane
 Concen: 10.006 ppbv
 RT: 3.99 min Scan# 327
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

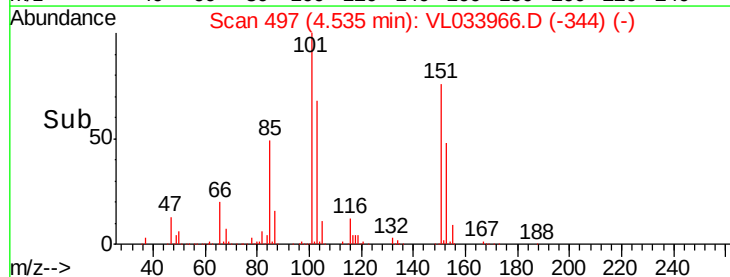
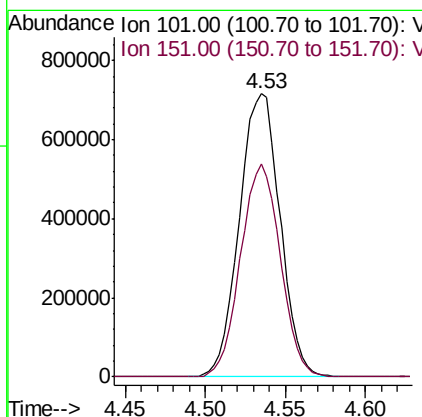
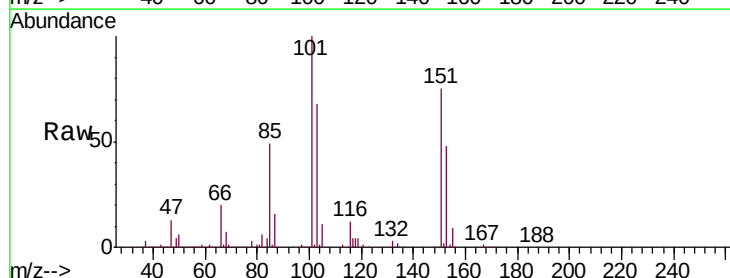
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

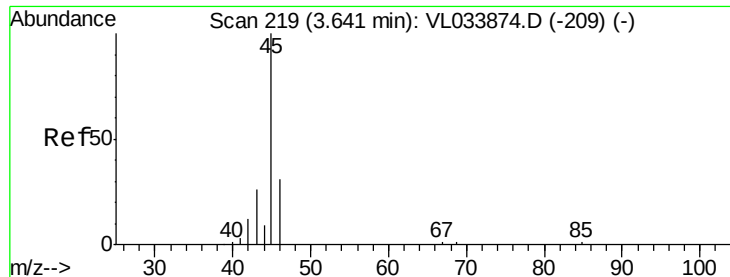
Tgt Ion:101 Resp: 1860167
 Ion Ratio Lower Upper
 101 100
 103 64.6 53.6 80.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.894 ppbv
 RT: 4.53 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion:101 Resp: 1243134
 Ion Ratio Lower Upper
 101 100
 151 73.5 58.6 87.8





#13

Ethanol

Concen: 10.723 ppbv

RT: 3.64 min Scan# 218

Delta R.T. -0.00 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

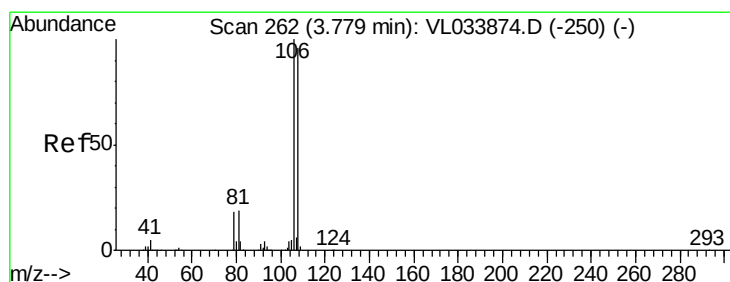
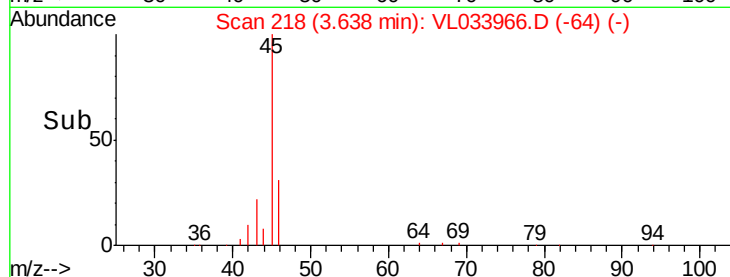
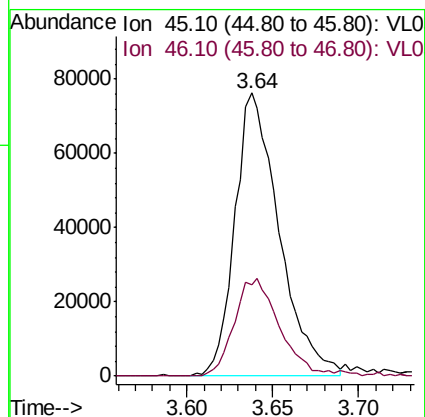
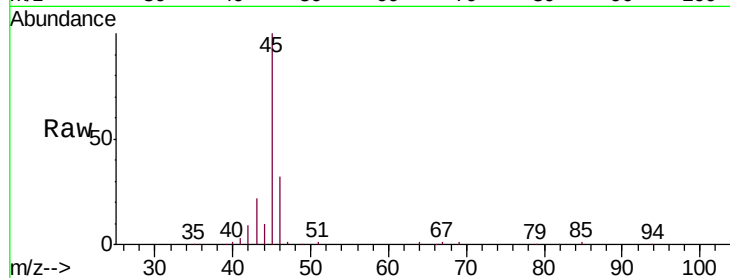
VL0626ABS01

Tgt Ion: 45 Resp: 136453

Ion Ratio Lower Upper

45 100

46 35.9 15.3 61.1



#14

Bromoethene

Concen: 10.275 ppbv

RT: 3.77 min Scan# 260

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

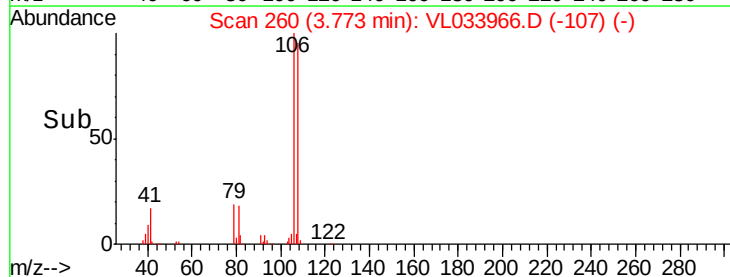
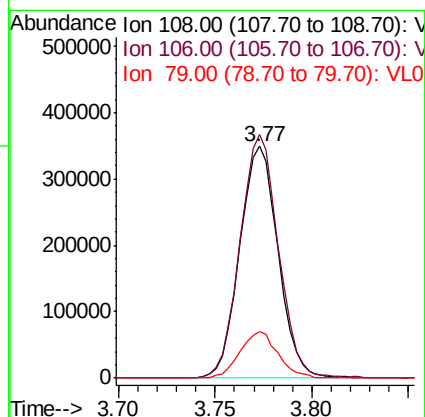
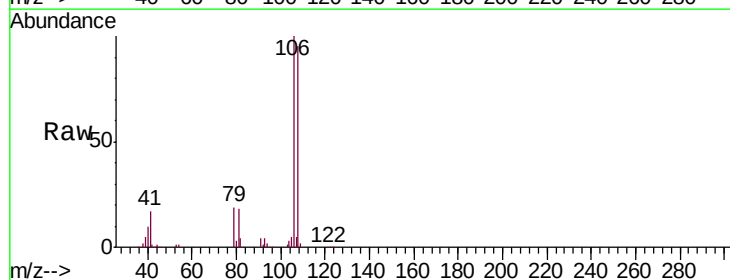
Tgt Ion: 108 Resp: 481039

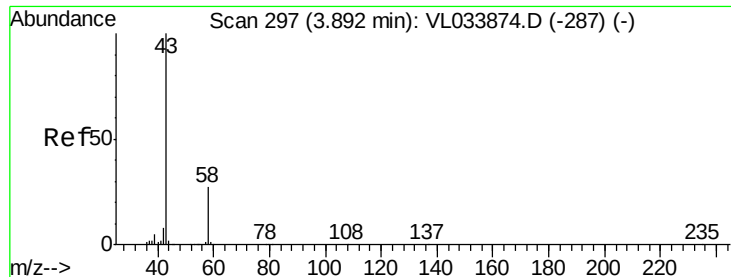
Ion Ratio Lower Upper

108 100

106 105.3 84.9 127.3

79 20.1 15.4 23.0





#15

Acetone

Concen: 10.343 ppbv

RT: 3.89 min Scan# 295

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

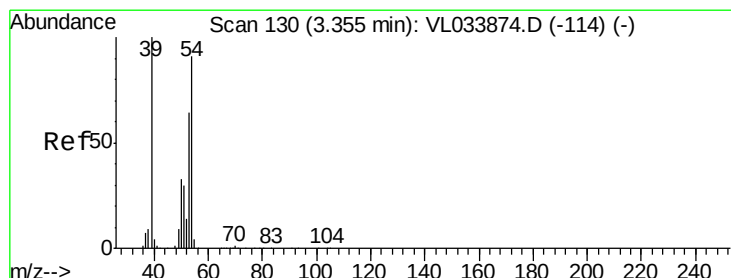
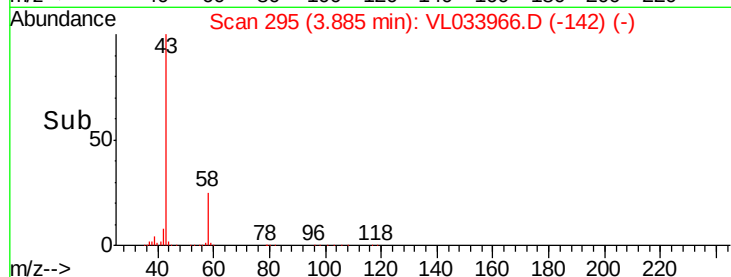
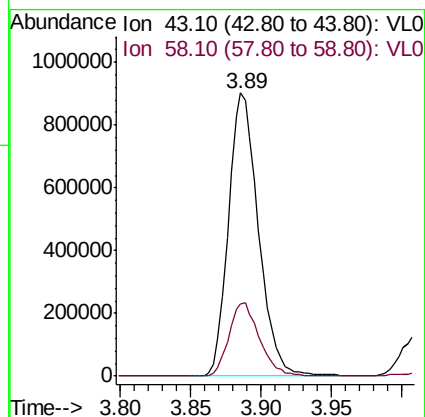
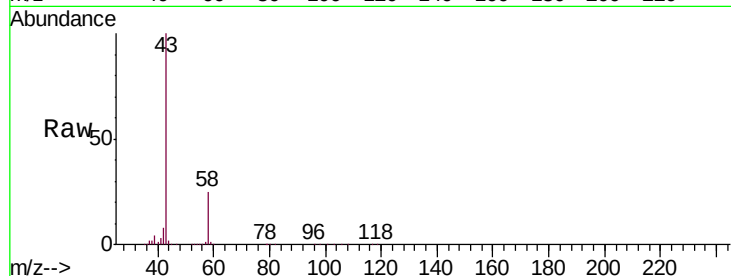
VL0626ABS01

Tgt Ion: 43 Resp: 1339404

Ion Ratio Lower Upper

43 100

58 26.6 21.3 31.9



#16

1,3-Butadiene

Concen: 10.186 ppbv

RT: 3.35 min Scan# 128

Delta R.T. -0.01 min

Lab File: VL033966.D

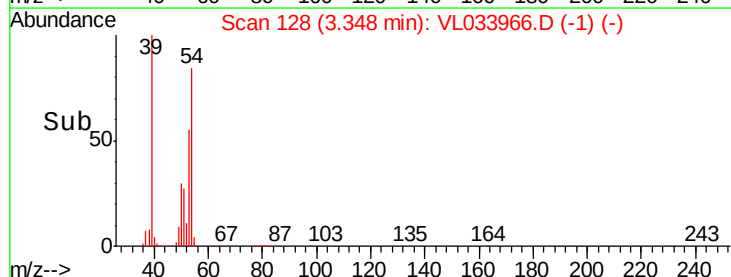
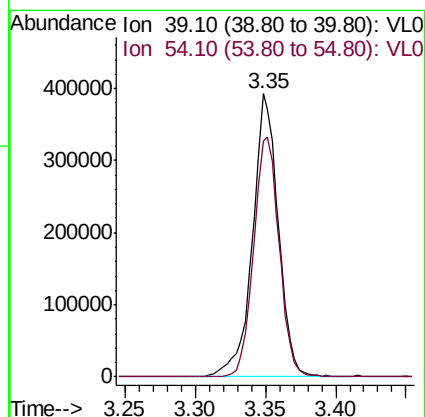
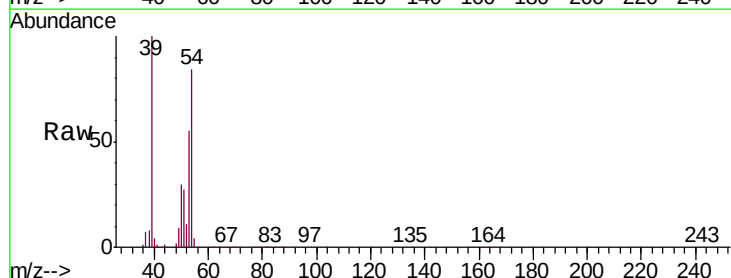
Acq: 26 Jun 2019 13:58

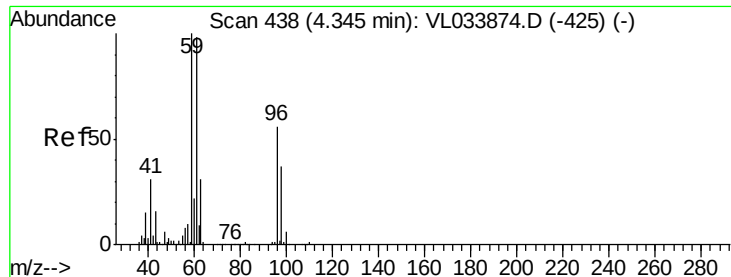
Tgt Ion: 39 Resp: 502054

Ion Ratio Lower Upper

39 100

54 84.1 68.6 103.0



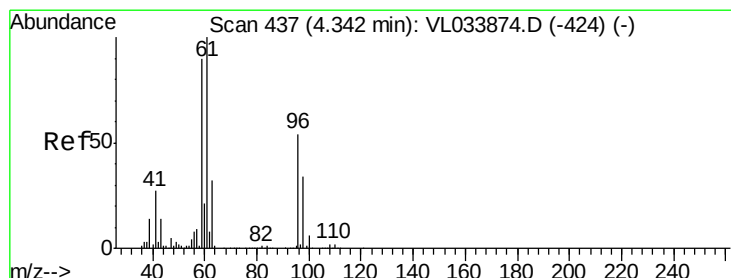
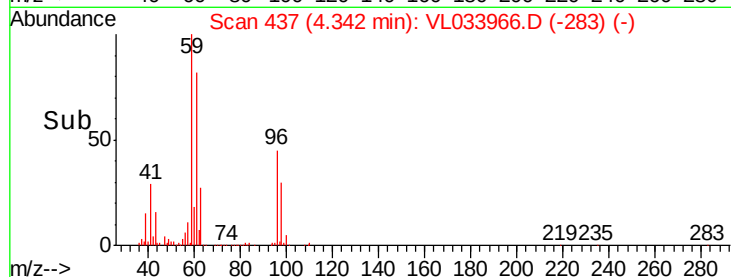
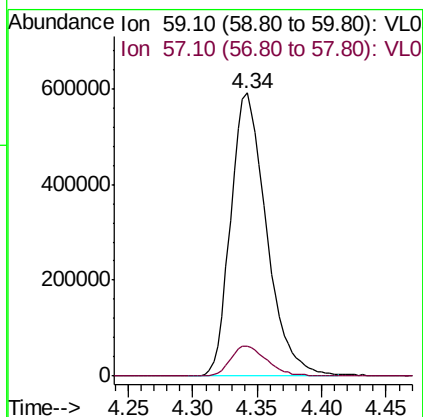
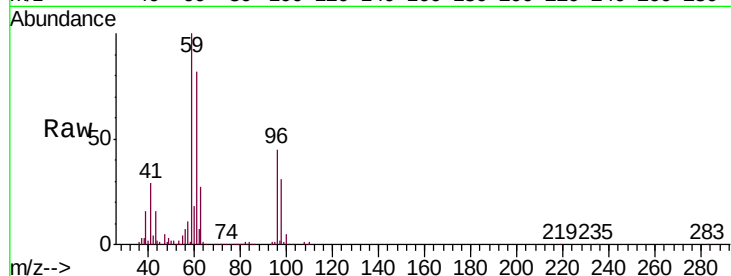


#17

tert-Butyl alcohol
 Concen: 11.263 ppbv
 RT: 4.34 min Scan# 437
 Delta R.T. -0.00 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

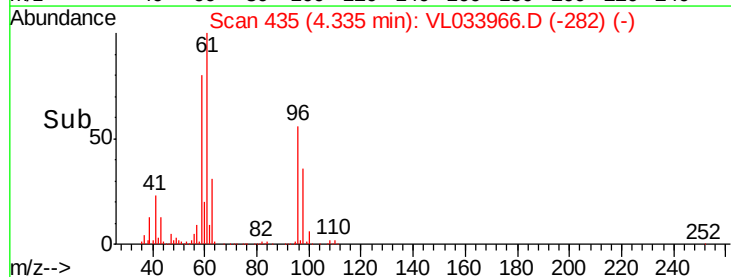
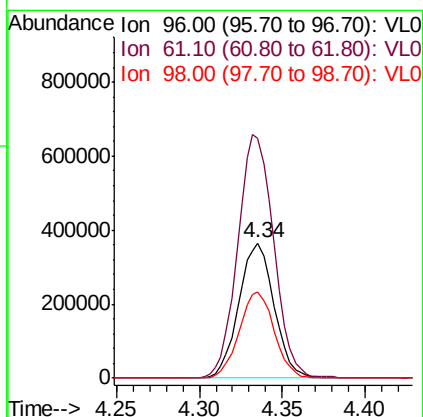
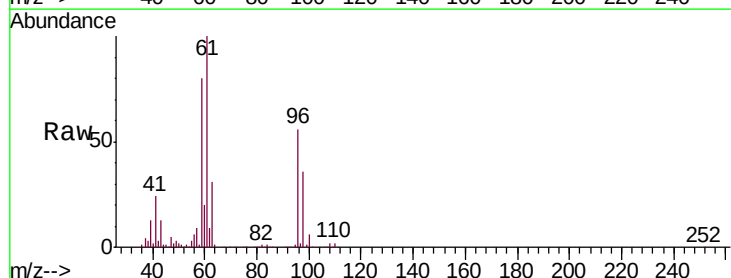
Tgt Ion: 59 Resp: 1140139
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.4 12.6

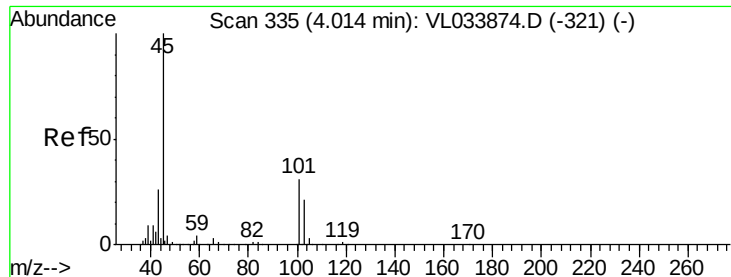


#18

1,1-Dichloroethene
 Concen: 10.152 ppbv
 RT: 4.34 min Scan# 435
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion: 96 Resp: 538738
 Ion Ratio Lower Upper
 96 100
 61 177.2 147.0 220.6
 98 63.7 49.4 74.0



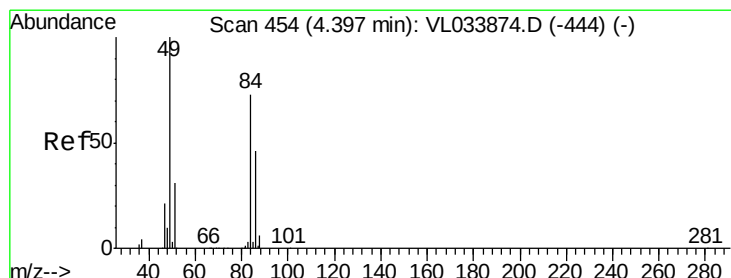
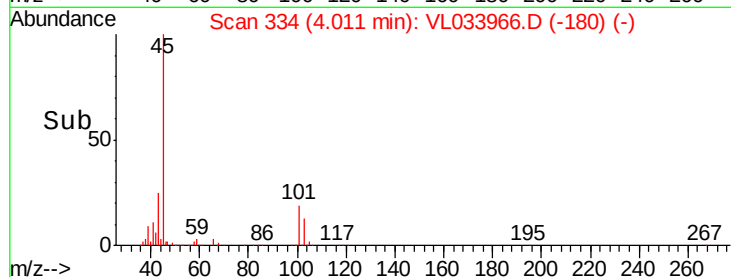
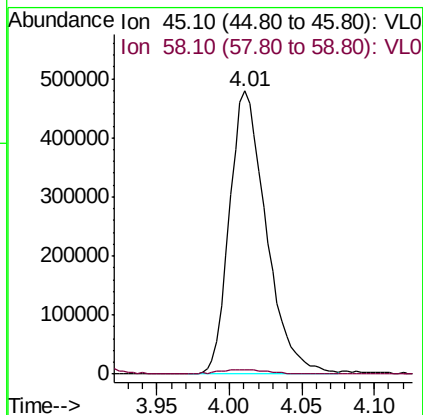
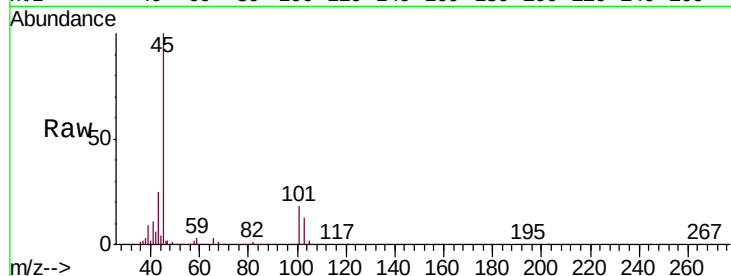


#19

Isopropyl Alcohol
 Concen: 11.433 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. -0.00 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

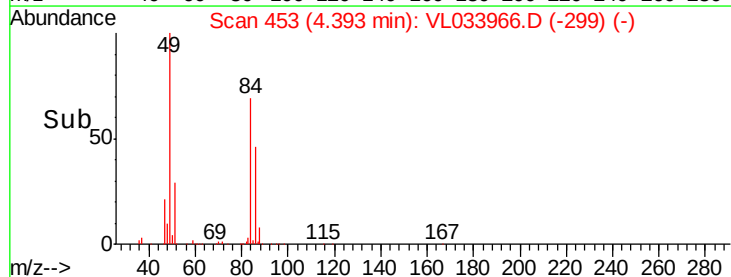
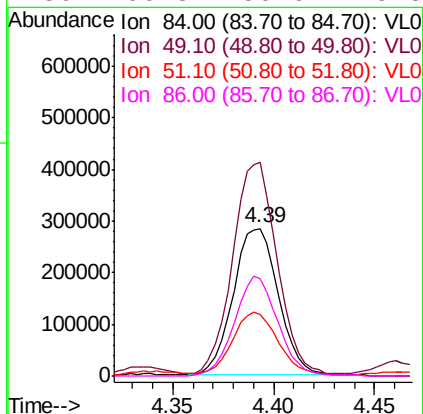
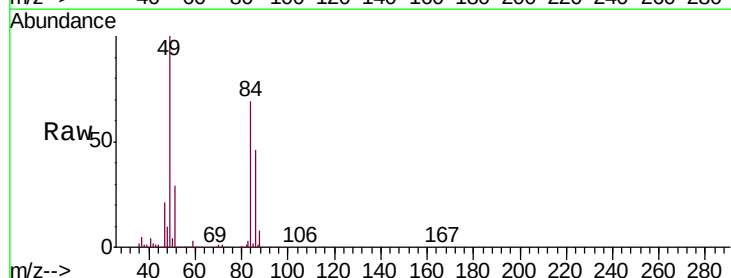
Tgt Ion: 45 Resp: 845792
 Ion Ratio Lower Upper
 45 100
 58 2.7 1.8 2.6#

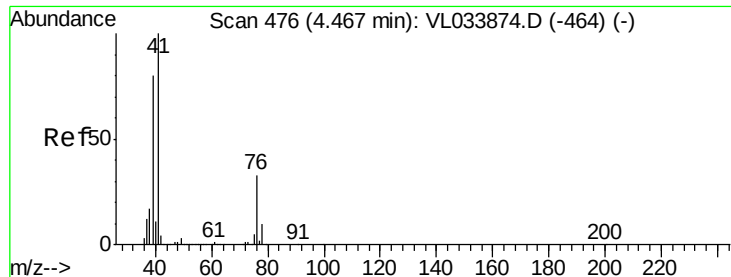


#20

Methylene Chloride
 Concen: 8.856 ppbv
 RT: 4.39 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion: 84 Resp: 447221
 Ion Ratio Lower Upper
 84 100
 49 144.0 110.0 165.0
 51 41.3 34.6 51.8
 86 66.3 50.6 75.8

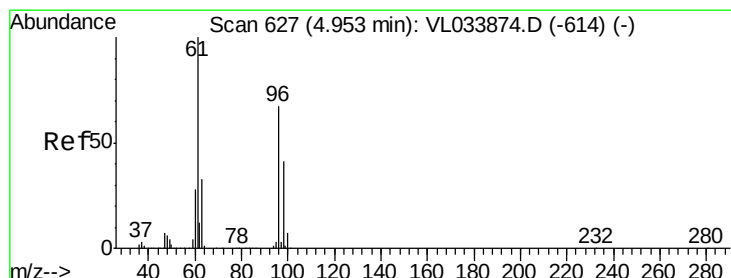
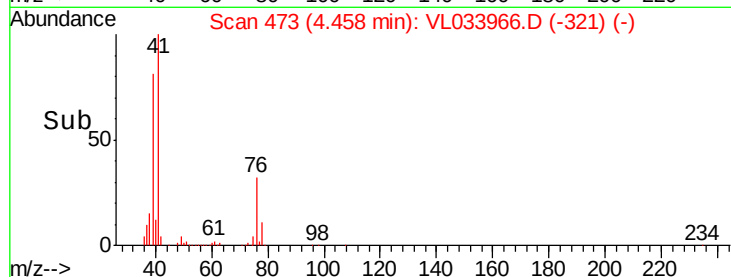
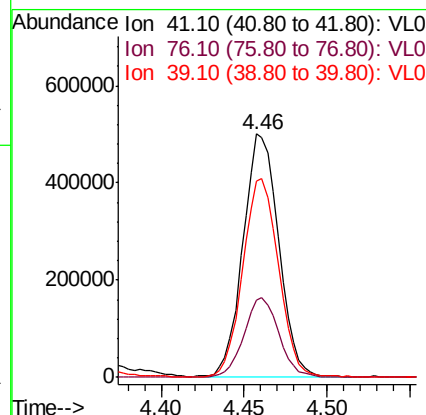
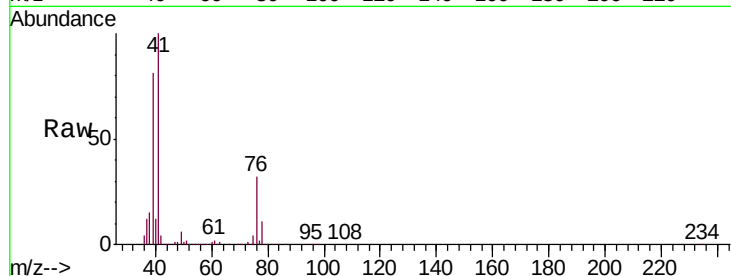




#21
 Allyl Chloride
 Concen: 10.168 ppbv
 RT: 4.46 min Scan# 473
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

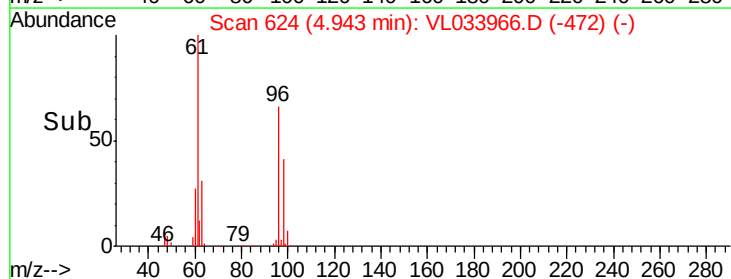
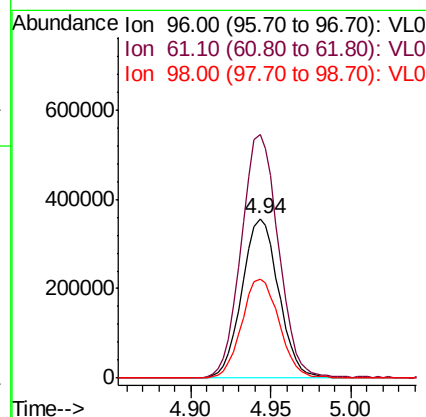
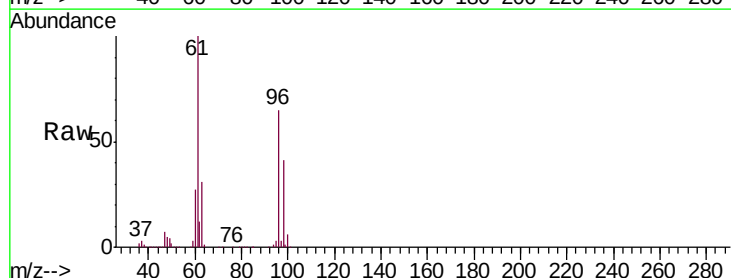
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

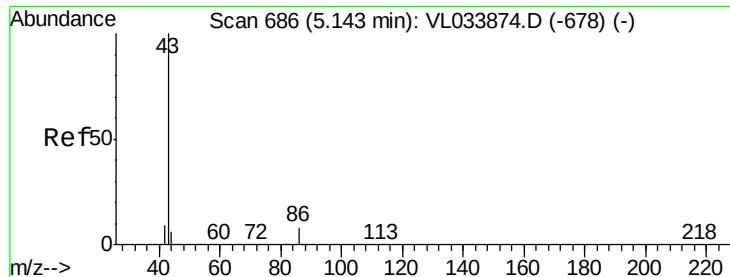
Tgt Ion: 41 Resp: 747933
 Ion Ratio Lower Upper
 41 100
 76 32.2 26.6 39.8
 39 82.3 65.2 97.8



#22
 trans-1,2-Dichloroethene
 Concen: 9.918 ppbv
 RT: 4.94 min Scan# 624
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion: 96 Resp: 554801
 Ion Ratio Lower Upper
 96 100
 61 152.8 119.0 178.6
 98 62.0 48.3 72.5





#23

Vinyl Acetate

Concen: 11.067 ppbv

RT: 5.14 min Scan# 684

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

Tgt Ion: 43 Resp: 1665736

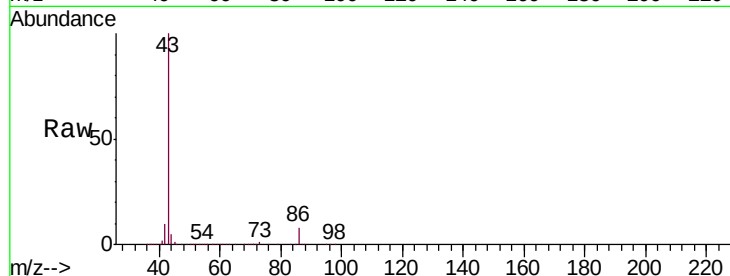
Ion Ratio Lower Upper

43 100

86 7.6 5.8 8.8

42 10.2 7.8 11.8

44 5.0 4.2 6.4

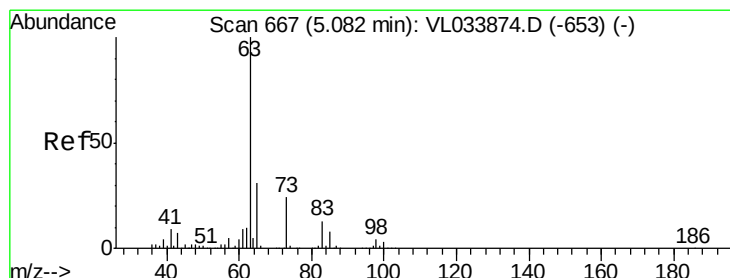
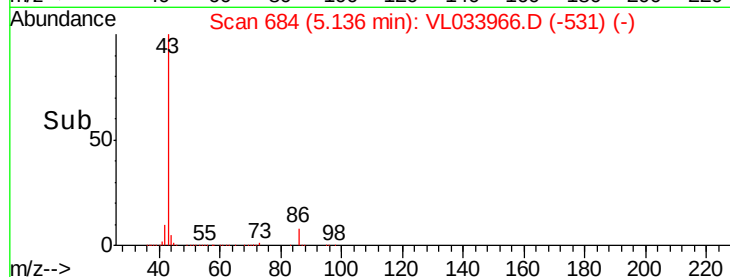
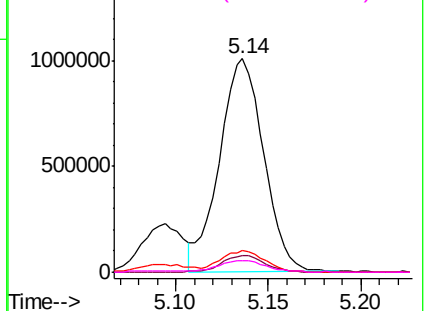


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.597 ppbv

RT: 5.07 min Scan# 664

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

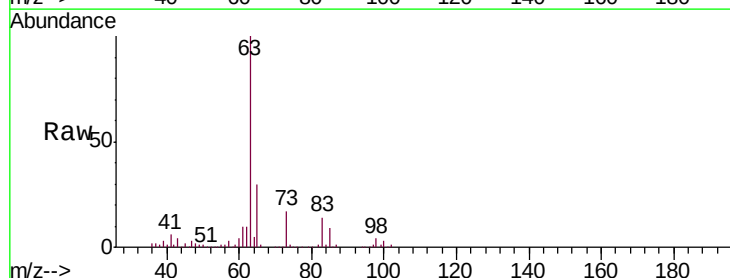
Tgt Ion: 63 Resp: 1123498

Ion Ratio Lower Upper

63 100

98 3.9 2.2 6.6

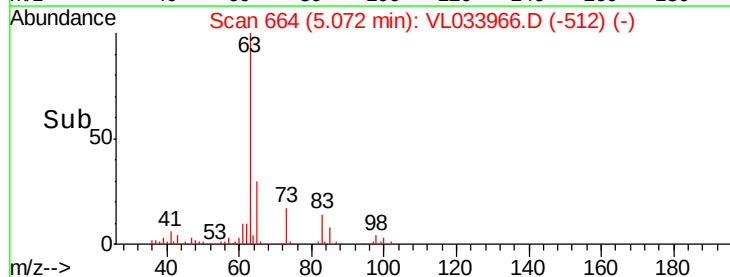
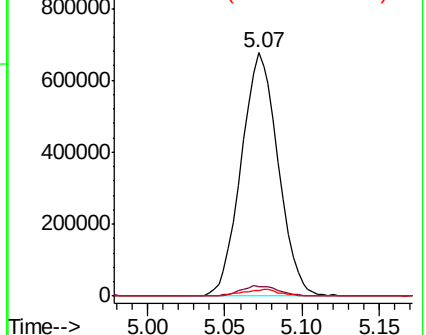
100 2.5 1.3 3.8

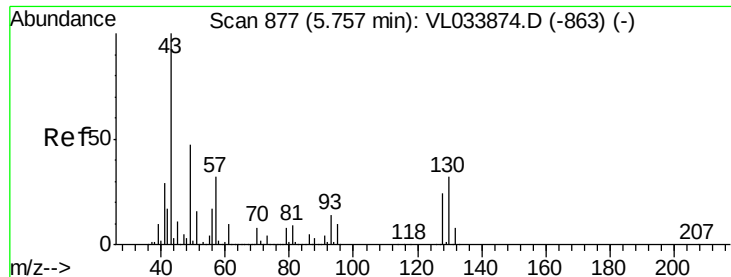


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.629 ppbv

RT: 5.75 min Scan# 874

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

Tgt Ion: 43 Resp: 1898907

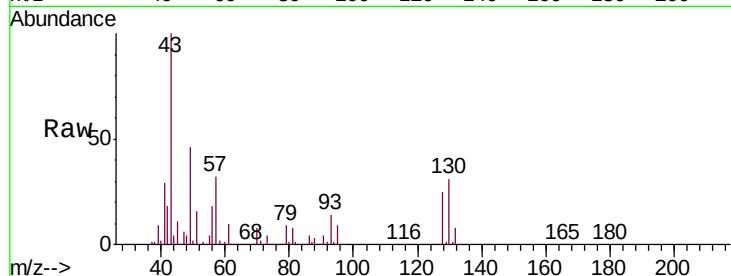
Ion Ratio Lower Upper

43 100

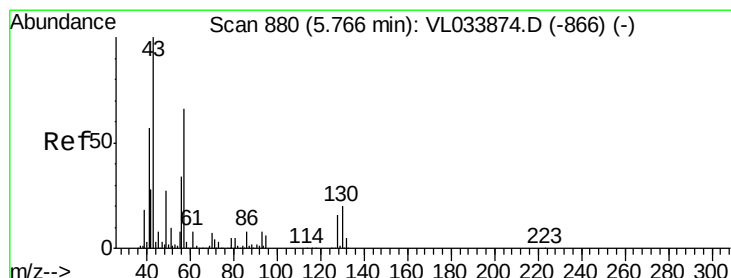
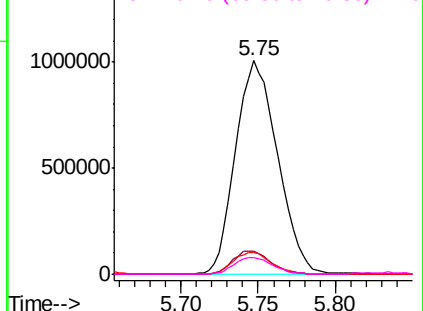
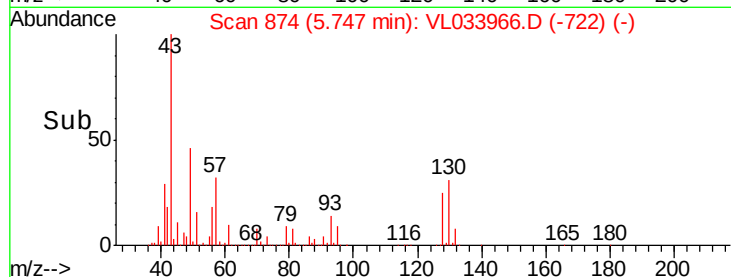
45 10.0 7.9 11.9

61 9.5 7.8 11.6

70 7.2 5.8 8.6



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: 9.359 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Tgt Ion: 57 Resp: 840353

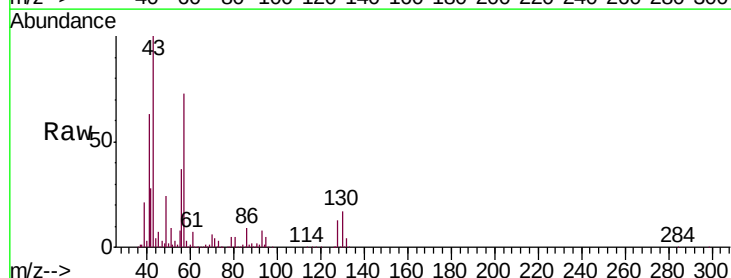
Ion Ratio Lower Upper

57 100

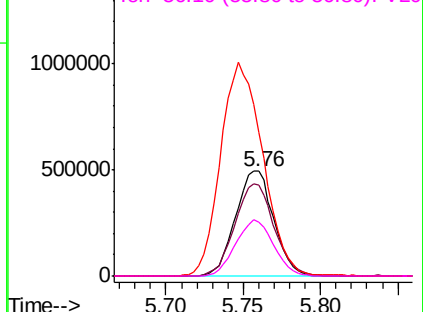
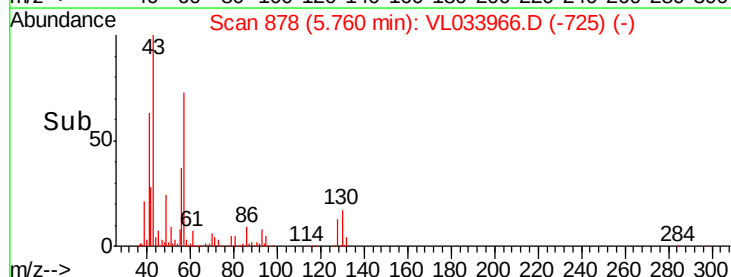
41 91.1 71.4 107.2

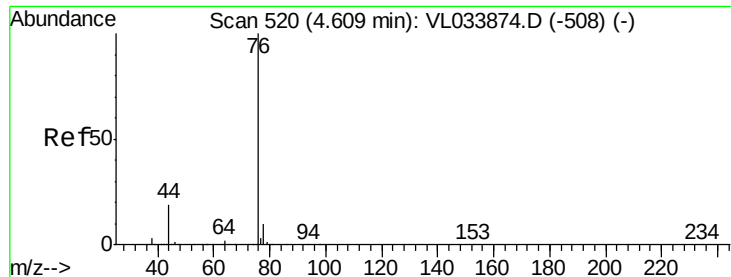
43 227.6 183.7 275.5

56 53.4 42.7 64.1



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.709 ppbv

RT: 4.60 min Scan# 518

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

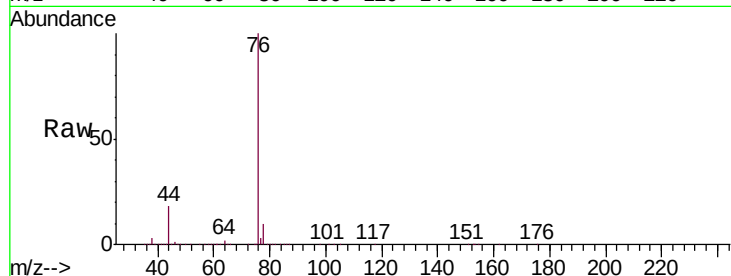
Tgt Ion: 76 Resp: 1335956

Ion Ratio Lower Upper

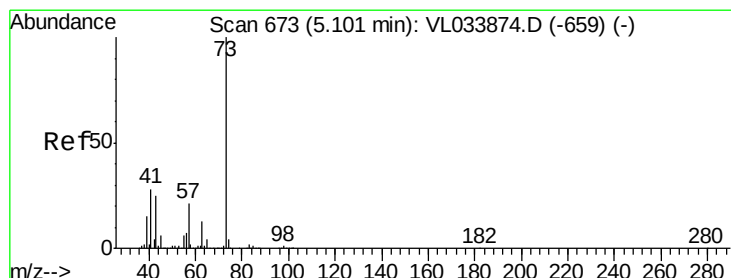
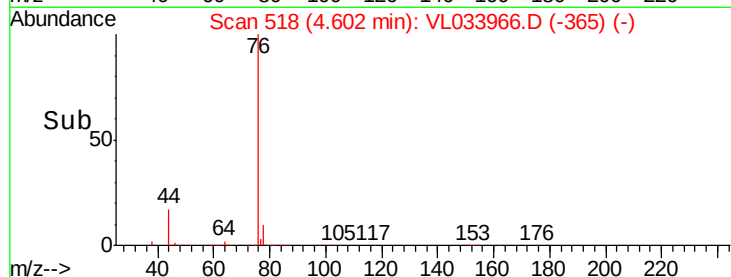
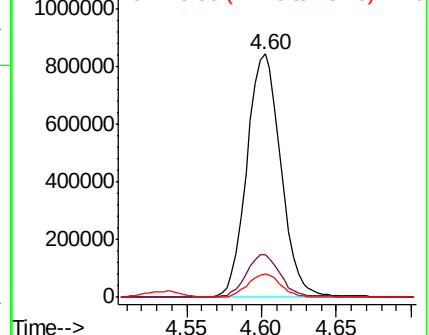
76 100

44 17.4 14.4 21.6

78 9.4 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.030 ppbv

RT: 5.09 min Scan# 671

Delta R.T. -0.01 min

Lab File: VL033966.D

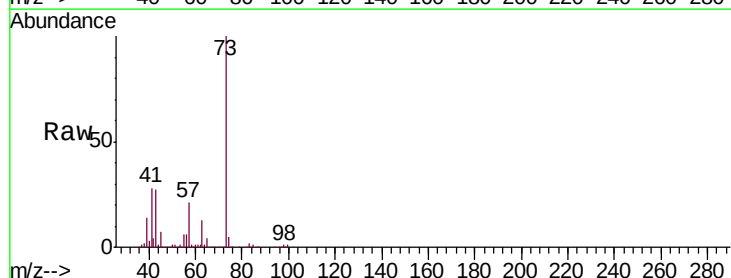
Acq: 26 Jun 2019 13:58

Tgt Ion: 73 Resp: 1497661

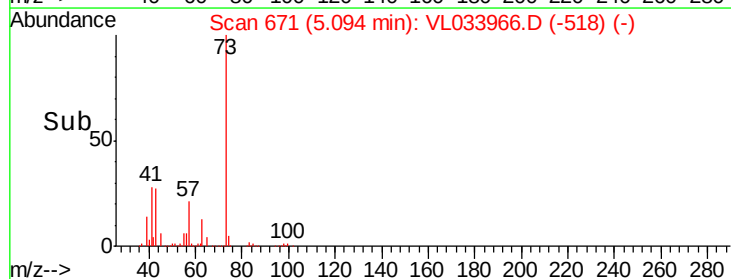
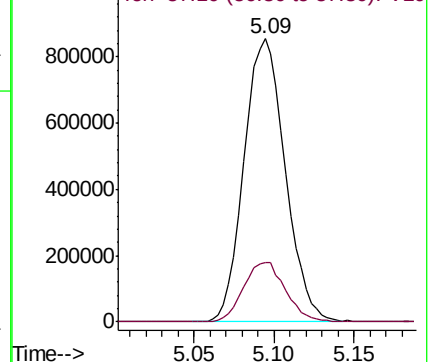
Ion Ratio Lower Upper

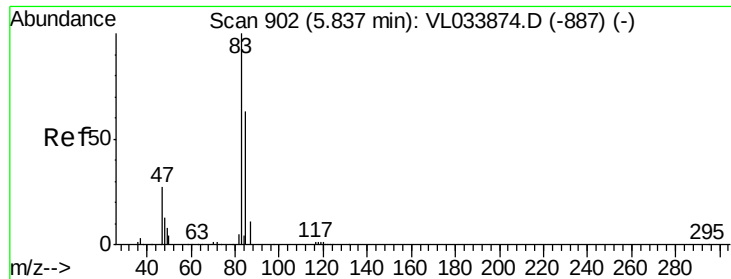
73 100

57 21.5 17.2 25.8



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

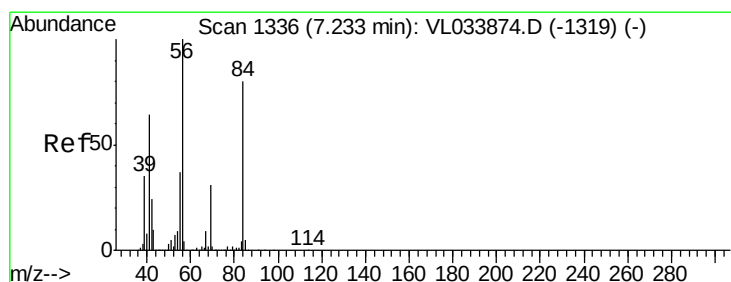
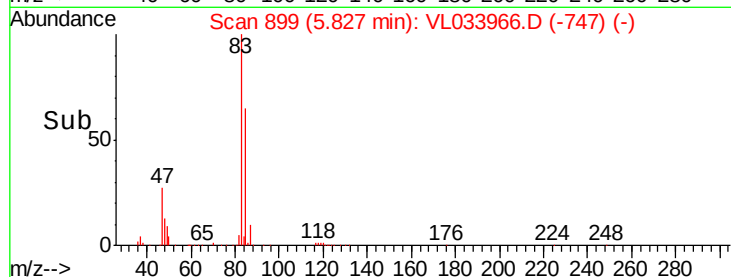
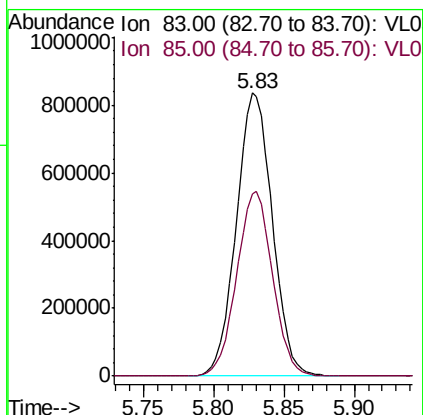
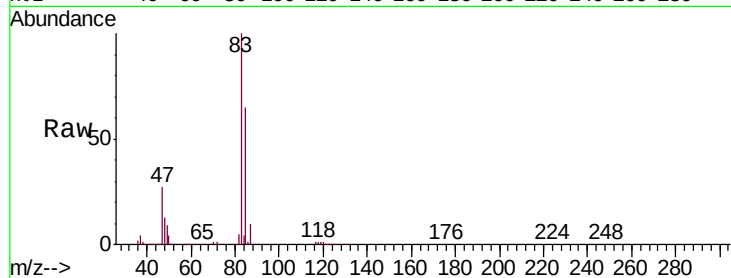




#29
Chloroform
Concen: 9.735 ppbv
RT: 5.83 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL033966.D
Acq: 26 Jun 2019 13:58

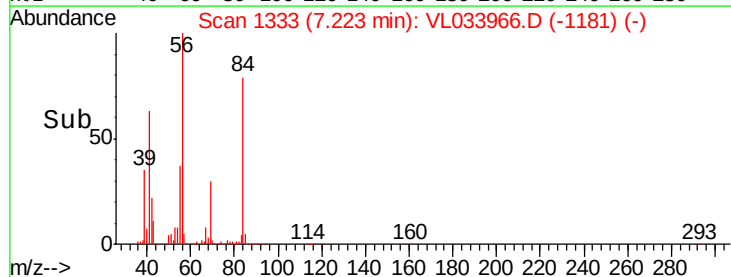
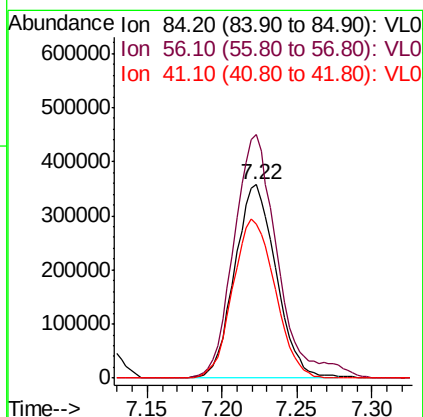
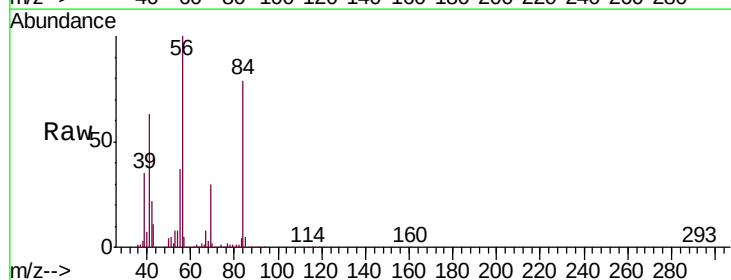
Instrument :
MSVOA_L
ClientSampleId :
VL0626ABS01

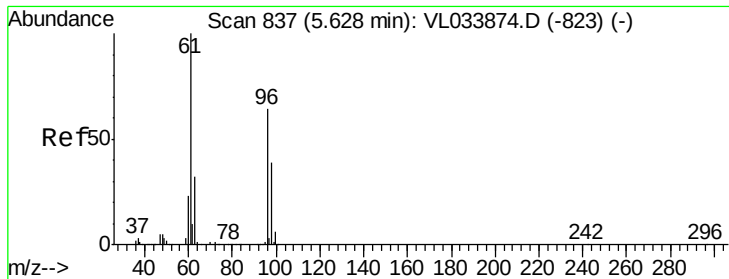
Tgt Ion: 83 Resp: 1497048
Ion Ratio Lower Upper
83 100
85 64.6 50.5 75.7



#30
Cyclohexane
Concen: 10.809 ppbv
RT: 7.22 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VL033966.D
Acq: 26 Jun 2019 13:58

Tgt Ion: 84 Resp: 685741
Ion Ratio Lower Upper
84 100
56 134.1 105.8 158.8
41 84.6 65.7 98.5



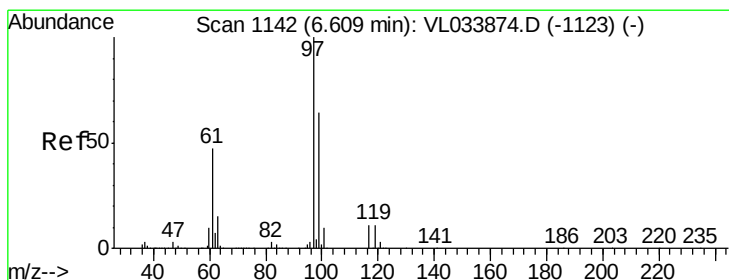
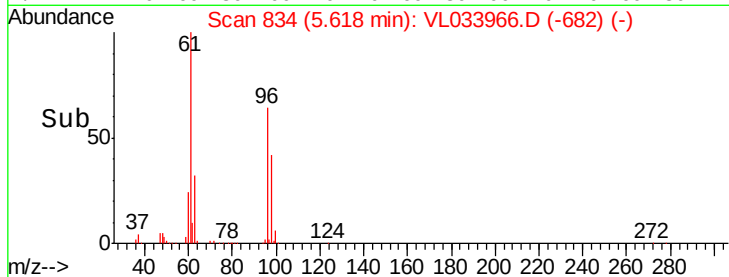
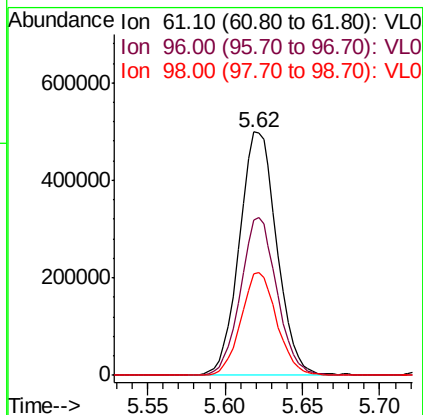
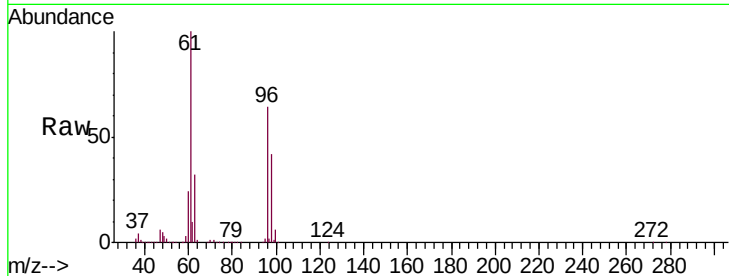


#31

cis-1,2-Dichloroethene
 Concen: 10.694 ppbv
 RT: 5.62 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

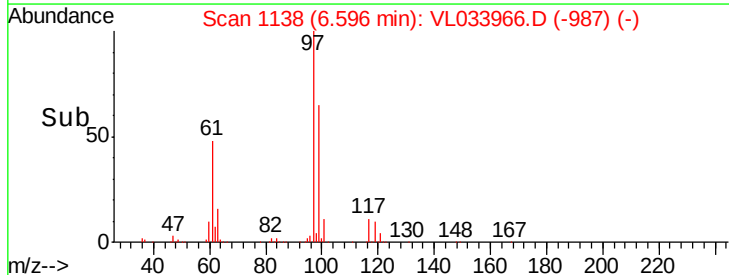
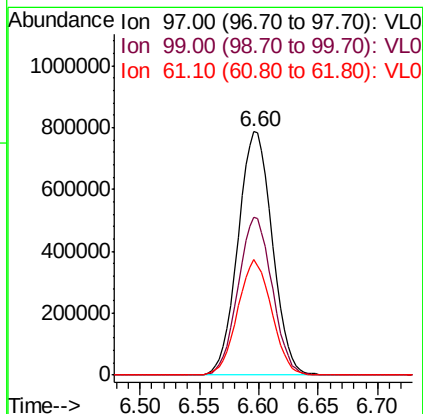
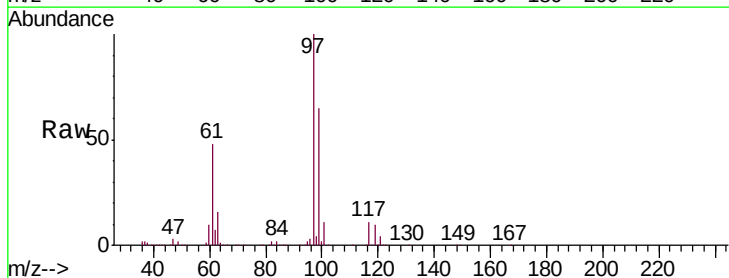
Tgt Ion: 61 Resp: 842054
 Ion Ratio Lower Upper
 61 100
 96 63.7 50.9 76.3
 98 41.8 31.4 47.2

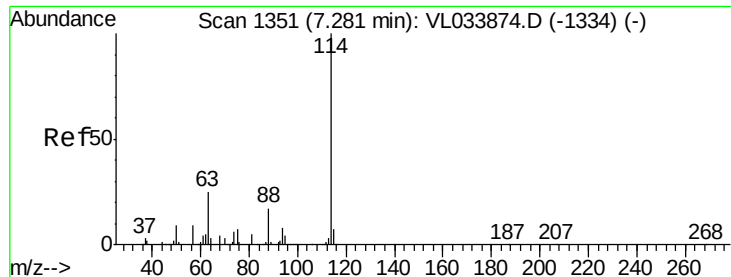


#32

1,1,1-Trichloroethane
 Concen: 10.586 ppbv
 RT: 6.60 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion: 97 Resp: 1570378
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.7 77.5
 61 47.1 37.7 56.5

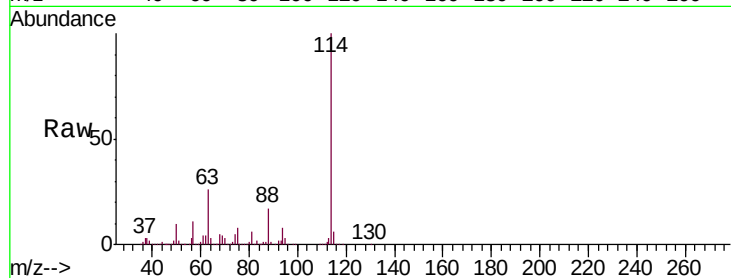




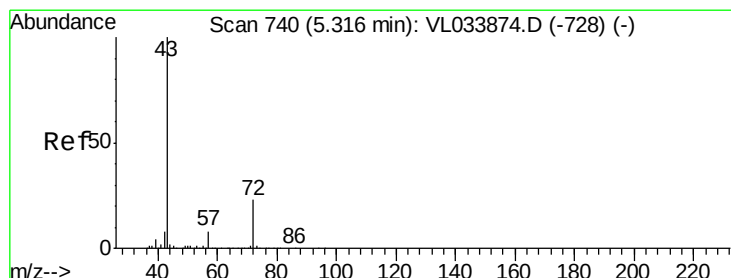
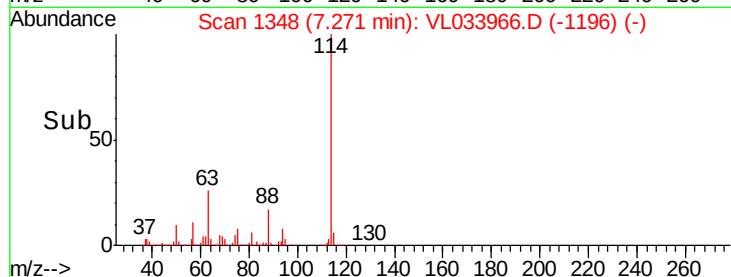
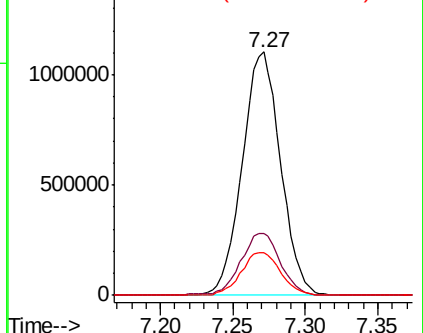
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.27 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

Tgt Ion: 114 Resp: 2032142
 Ion Ratio Lower Upper
 114 100
 63 26.8 21.1 31.7
 88 18.0 14.2 21.4

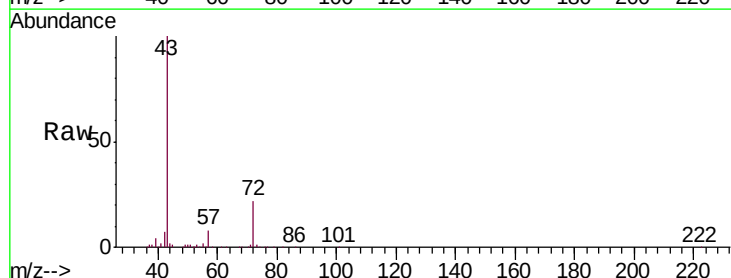


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

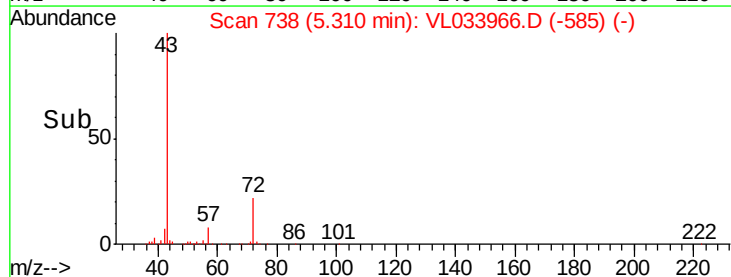
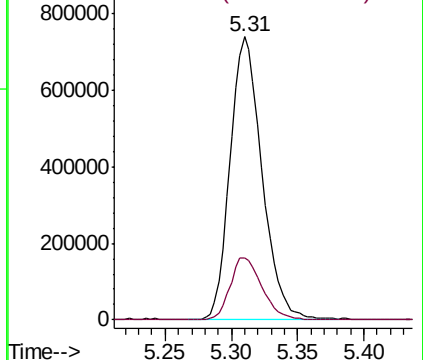


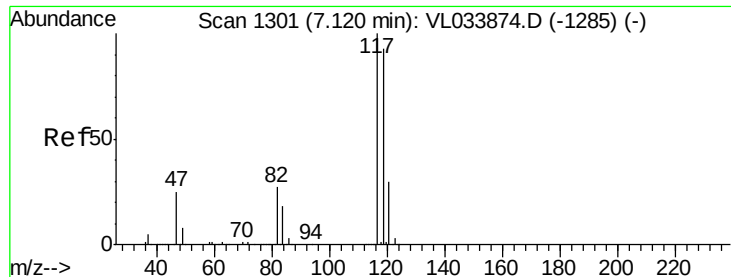
#34
 2-Butanone
 Concen: 10.774 ppbv
 RT: 5.31 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion: 43 Resp: 1235204
 Ion Ratio Lower Upper
 43 100
 72 21.9 17.9 26.9



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





#35

Carbon Tetrachloride

Concen: 10.775 ppbv

RT: 7.11 min Scan# 1298

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

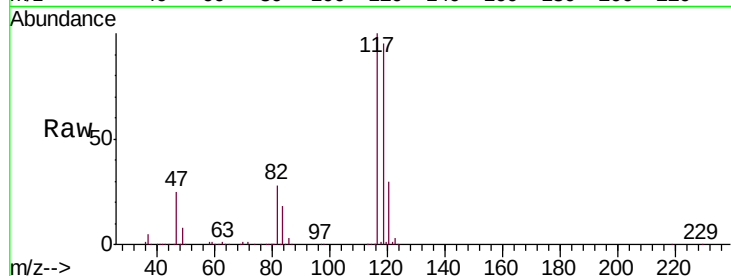
Tgt Ion:117 Resp: 1691790

Ion Ratio Lower Upper

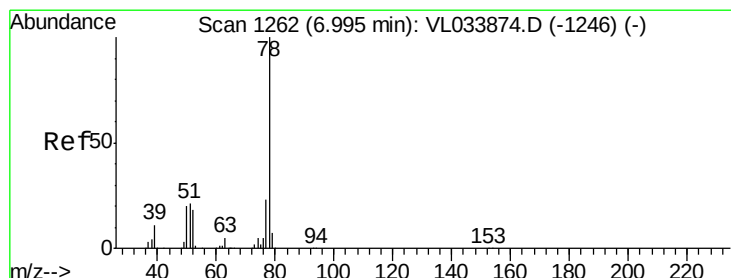
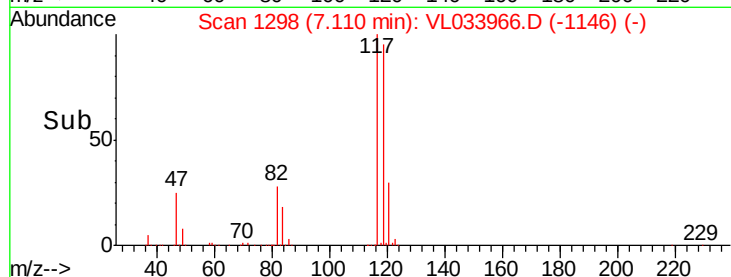
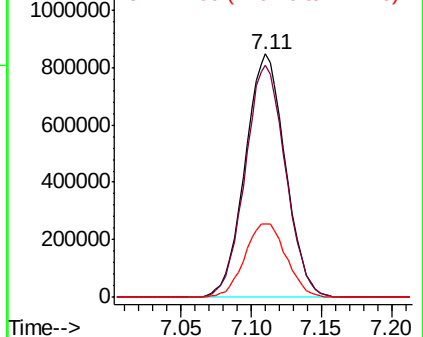
117 100

119 95.4 74.6 111.8

121 30.1 24.0 36.0



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



#36

Benzene

Concen: 10.758 ppbv

RT: 6.98 min Scan# 1258

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

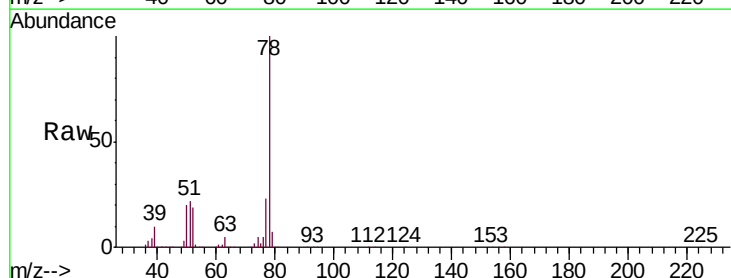
Tgt Ion: 78 Resp: 1670015

Ion Ratio Lower Upper

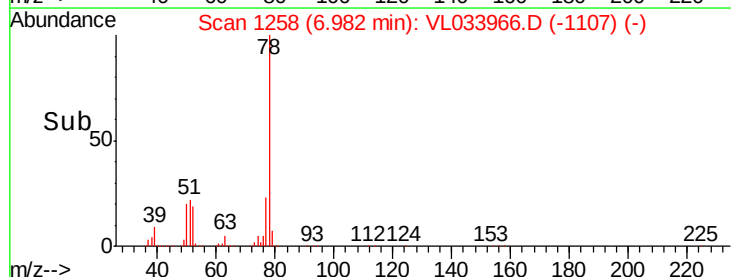
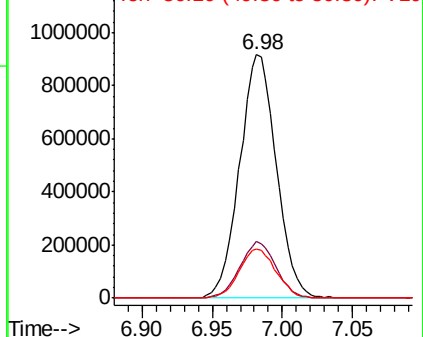
78 100

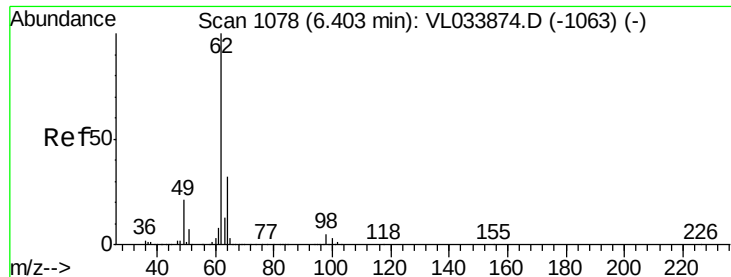
77 23.0 18.2 27.2

50 20.1 15.9 23.9



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

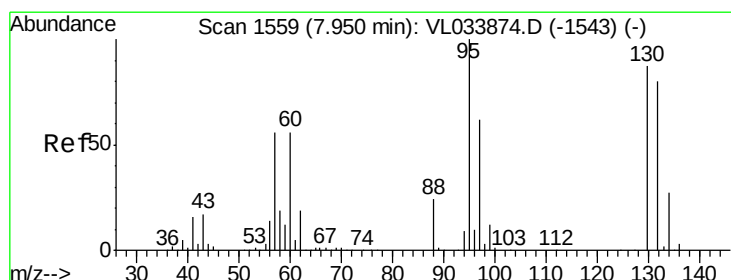
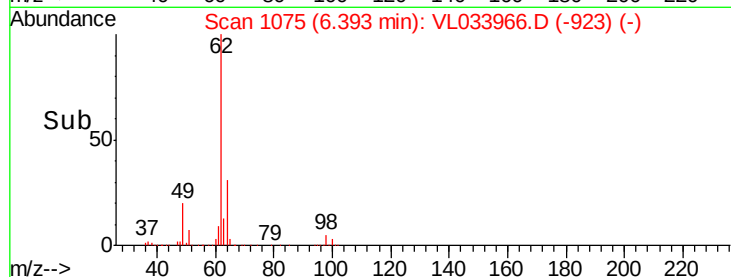
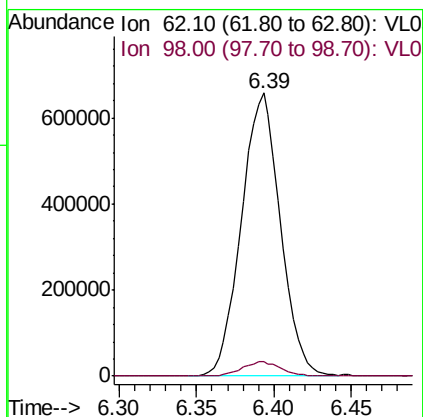
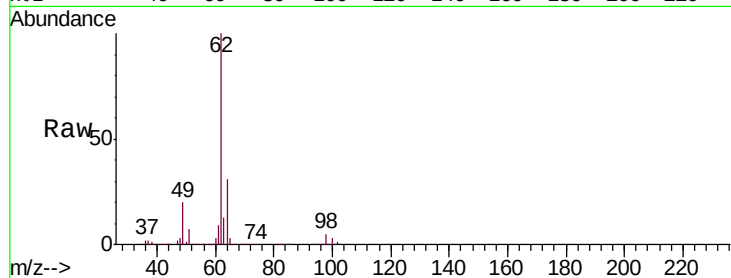




#37
 1,2-Dichloroethane
 Concen: 10.060 ppbv
 RT: 6.39 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

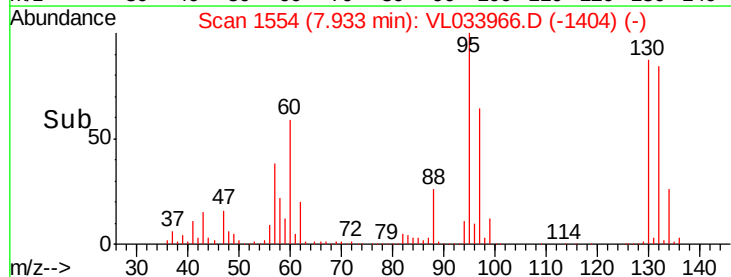
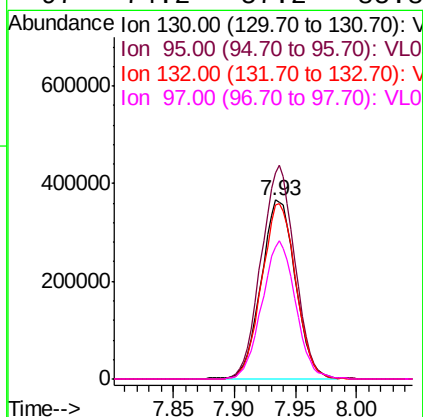
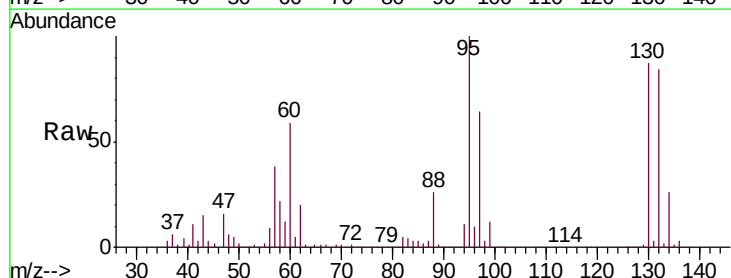
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

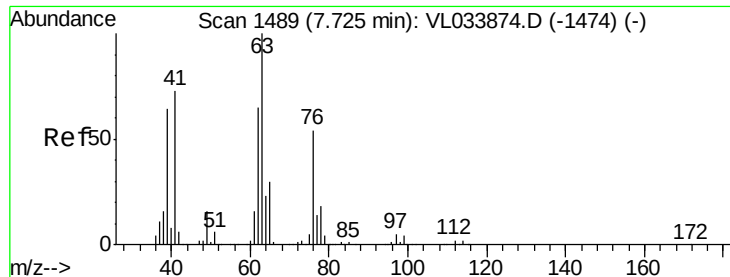
Tgt Ion: 62 Resp: 1154888
 Ion Ratio Lower Upper
 62 100
 98 5.0 4.0 6.0



#38
 Trichloroethene
 Concen: 11.893 ppbv
 RT: 7.93 min Scan# 1554
 Delta R.T. -0.02 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion: 130 Resp: 718821
 Ion Ratio Lower Upper
 130 100
 95 115.8 92.0 138.0
 132 97.6 73.8 110.8
 97 74.2 57.2 85.8





#39

1,2-Dichloropropane

Concen: 10.529 ppbv

RT: 7.71 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

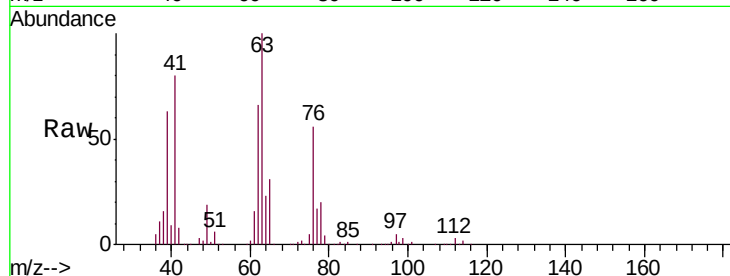
Tgt Ion: 63 Resp: 630830

Ion Ratio Lower Upper

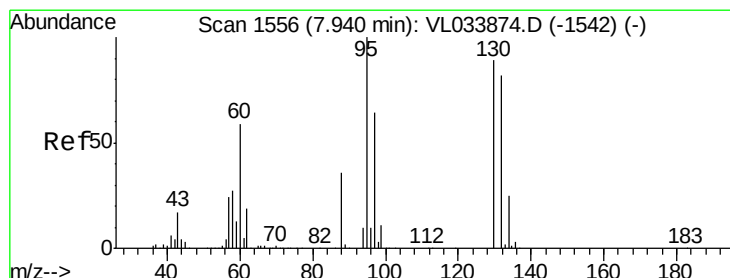
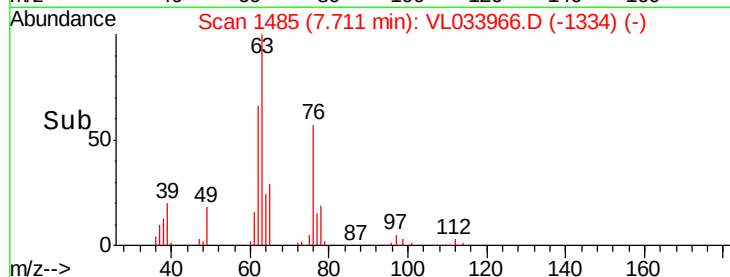
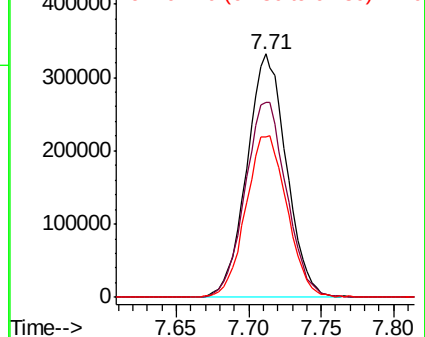
63 100

41 80.0 58.7 88.1

62 65.7 51.9 77.9



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: 10.650 ppbv

RT: 7.93 min Scan# 1553

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Tgt Ion: 88 Resp: 260252

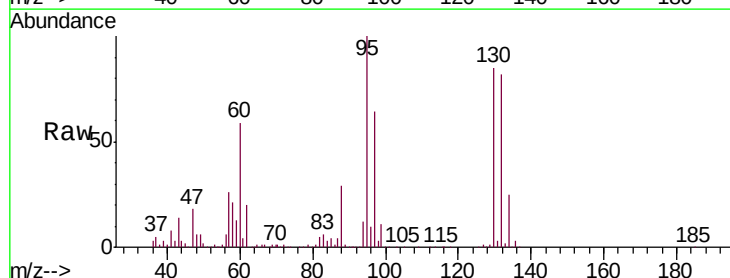
Ion Ratio Lower Upper

88 100

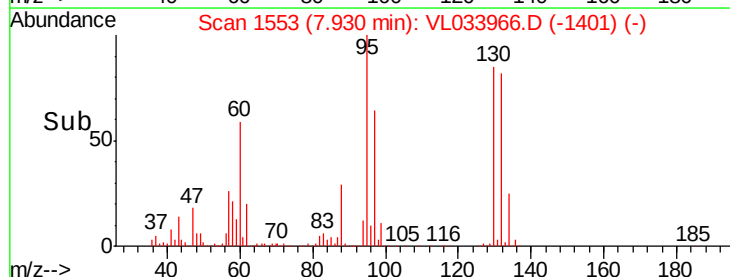
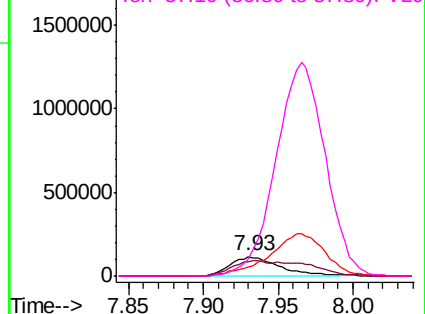
58 127.1 100.0 150.0

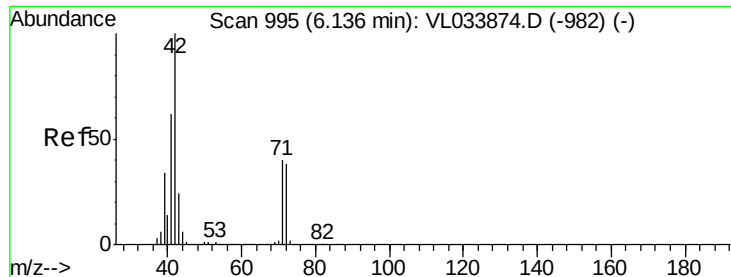
43 0.0 184.7 277.1#

57 0.0 826.8 1240.2#



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: 11.240 ppbv

RT: 6.12 min Scan# 991

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

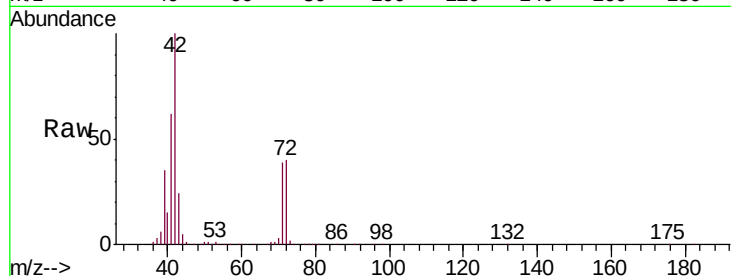
Tgt Ion: 42 Resp: 654055

Ion Ratio Lower Upper

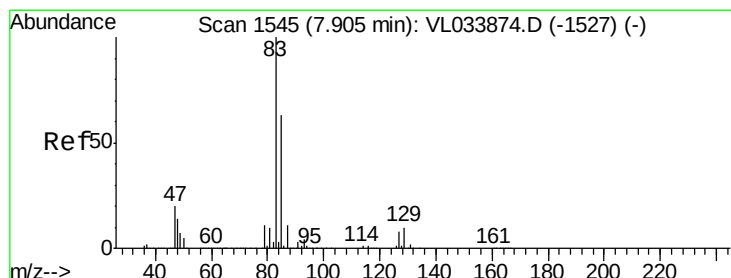
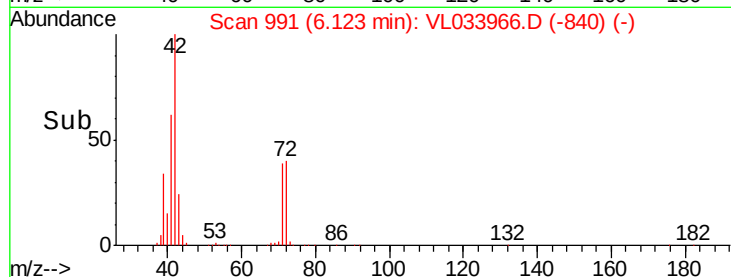
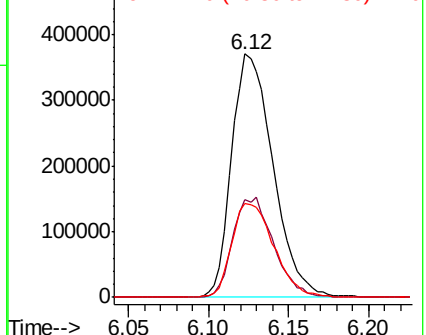
42 100

72 40.5 32.2 48.4

71 39.4 31.7 47.5



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.573 ppbv

RT: 7.89 min Scan# 1541

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

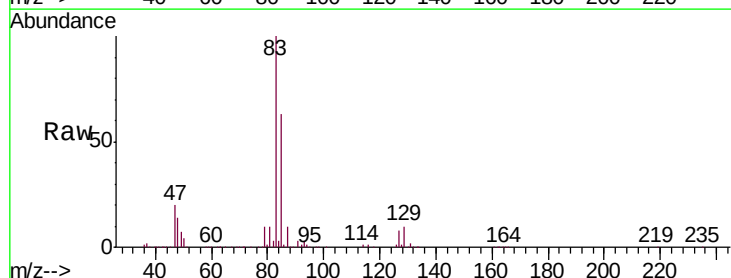
Tgt Ion: 83 Resp: 1622057

Ion Ratio Lower Upper

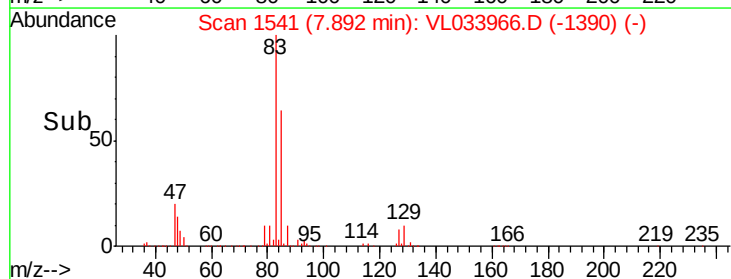
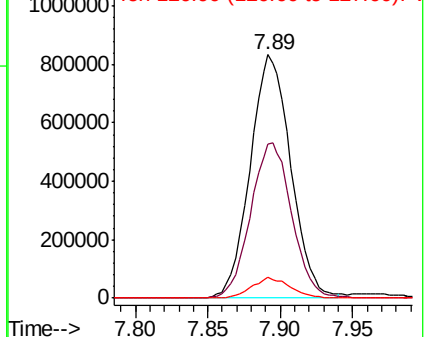
83 100

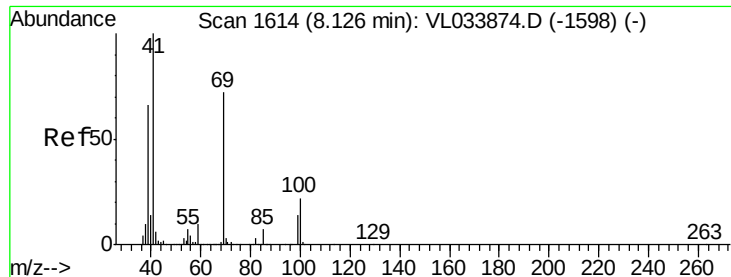
85 63.5 50.2 75.2

127 8.4 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

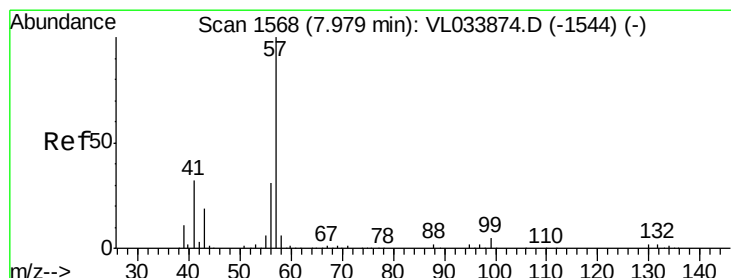
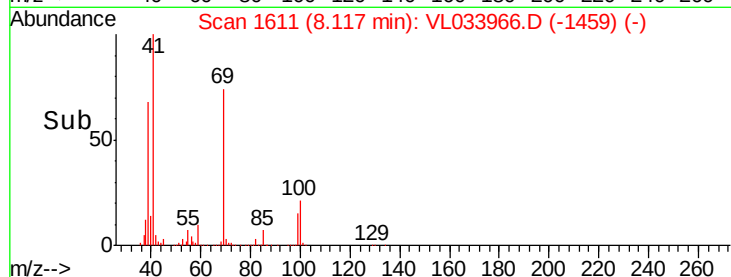
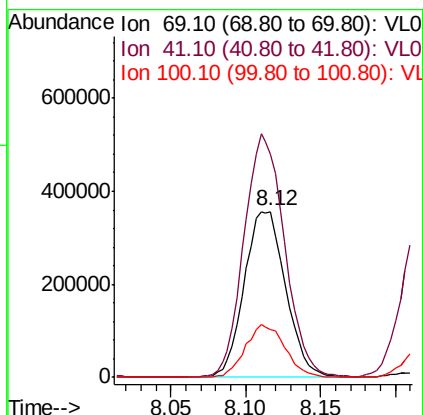
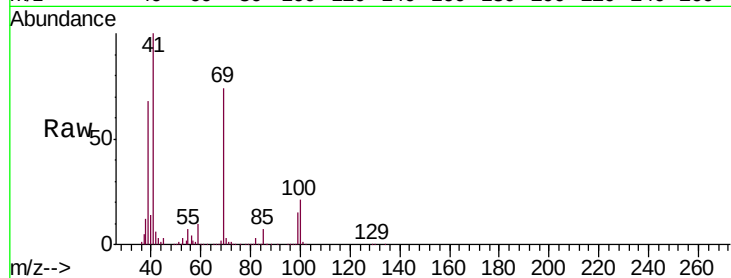




#43
Methyl Methacrylate
Concen: 11.817 ppbv
RT: 8.12 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VL033966.D
Acq: 26 Jun 2019 13:58

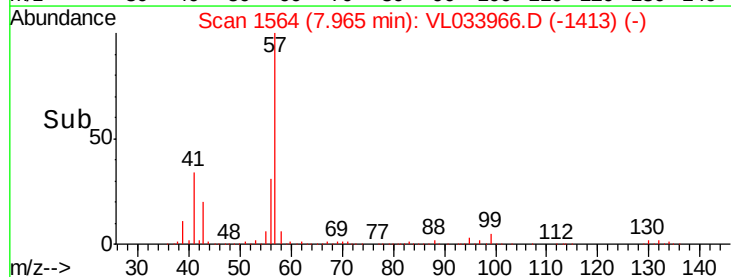
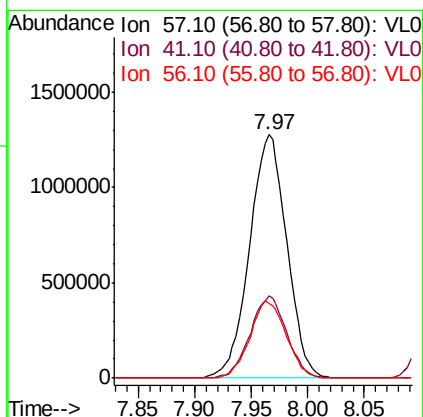
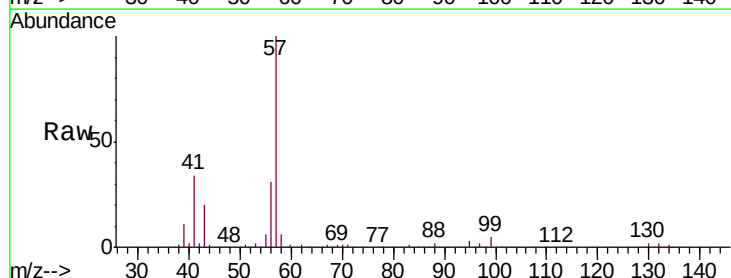
Instrument :
MSVOA_L
ClientSampleId :
VL0626ABS01

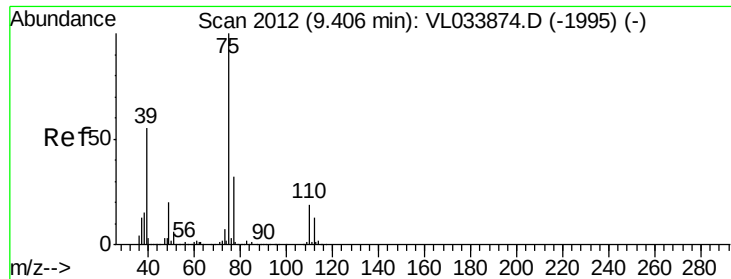
Tgt Ion: 69 Resp: 686059
Ion Ratio Lower Upper
69 100
41 144.4 114.3 171.5
100 30.5 24.8 37.2



#44
2,2,4-Trimethylpentane
Concen: 10.578 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VL033966.D
Acq: 26 Jun 2019 13:58

Tgt Ion: 57 Resp: 2920168
Ion Ratio Lower Upper
57 100
41 33.1 26.1 39.1
56 31.0 24.6 36.8





#45

t-1,3-Dichloropropene

Concen: 11.416 ppbv

RT: 9.39 min Scan# 2007

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

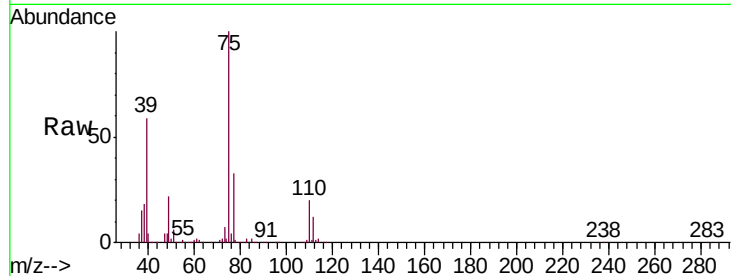
VL0626ABS01

Tgt Ion: 75 Resp: 869649

Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.39

400000

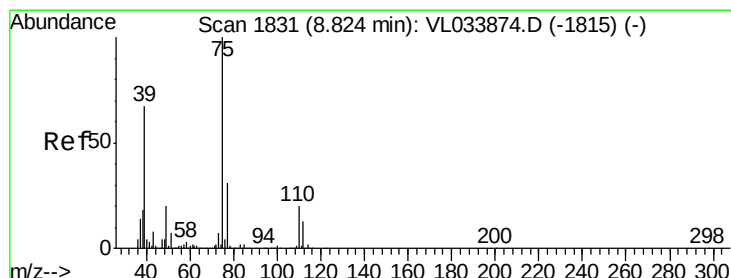
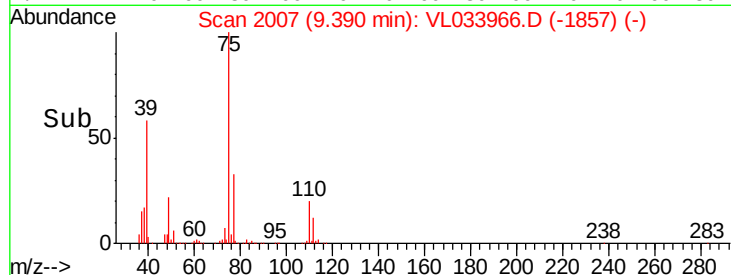
300000

200000

100000

0

Time--> 9.30 9.35 9.40 9.45



#46

cis-1,3-Dichloropropene

Concen: 11.503 ppbv

RT: 8.81 min Scan# 1827

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

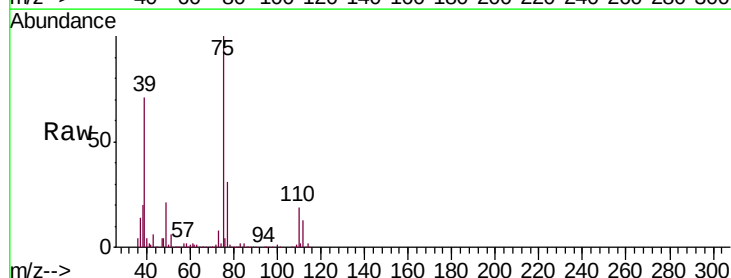
Tgt Ion: 75 Resp: 1003935

Ion Ratio Lower Upper

75 100

39 71.2 53.8 80.8

77 31.0 24.6 36.8



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

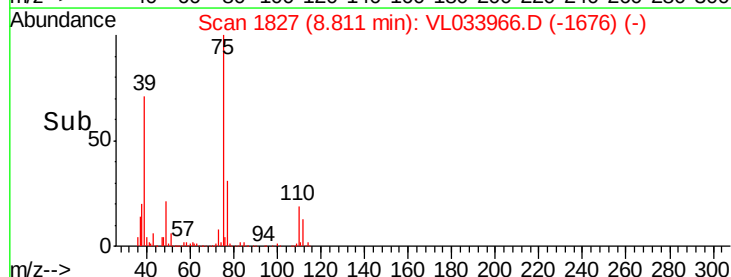
600000

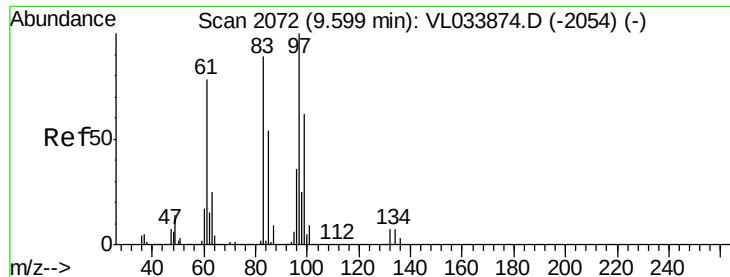
400000

200000

0

Time--> 8.75 8.80 8.85





#47

1,1,2-Trichloroethane

Concen: 10.170 ppbv

RT: 9.59 min Scan# 2069

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

Tgt Ion: 97 Resp: 726372

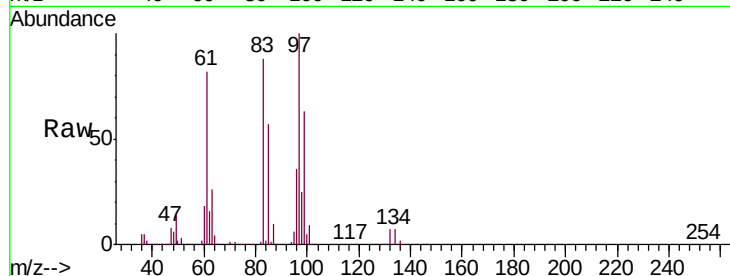
Ion Ratio Lower Upper

97 100

83 87.9 70.9 106.3

85 56.8 43.0 64.6

99 63.0 49.3 73.9



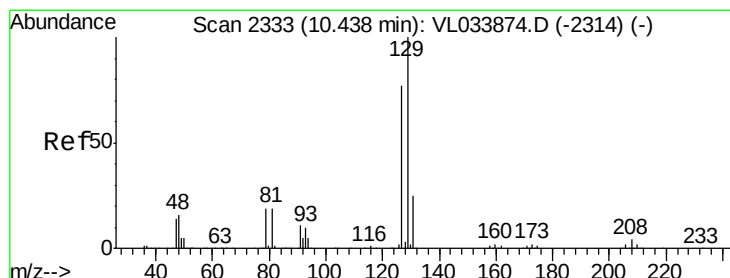
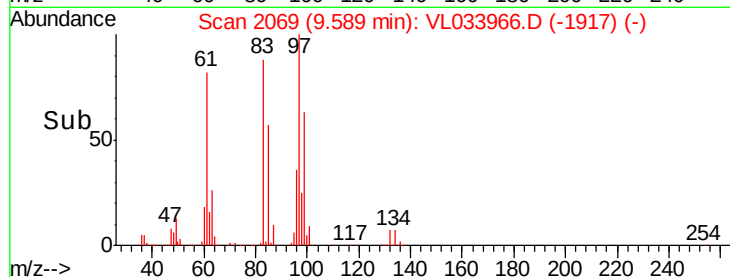
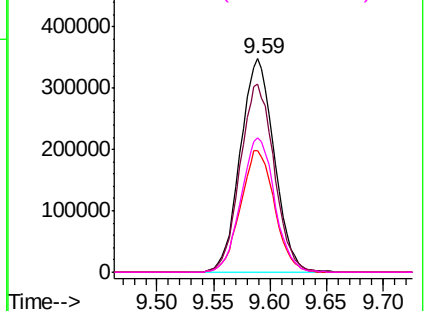
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.981 ppbv

RT: 10.42 min Scan# 2328

Delta R.T. -0.02 min

Lab File: VL033966.D

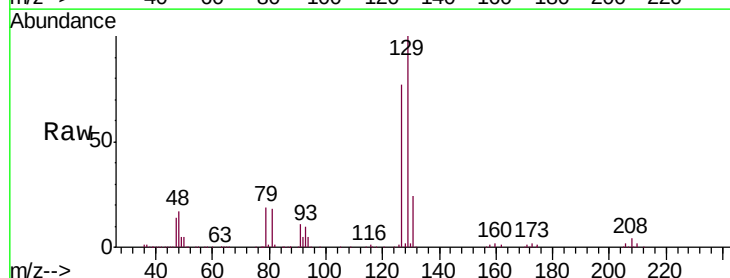
Acq: 26 Jun 2019 13:58

Tgt Ion: 129 Resp: 1409391

Ion Ratio Lower Upper

129 100

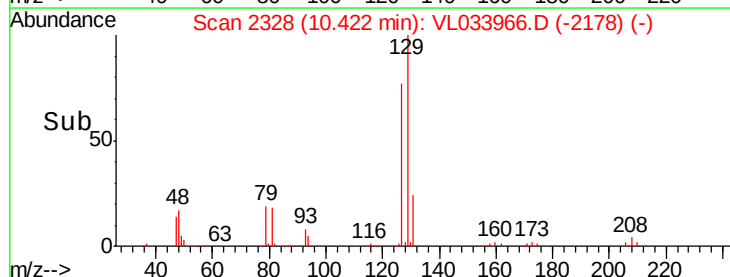
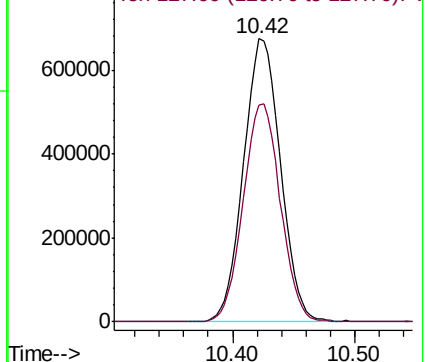
127 77.5 38.6 115.7

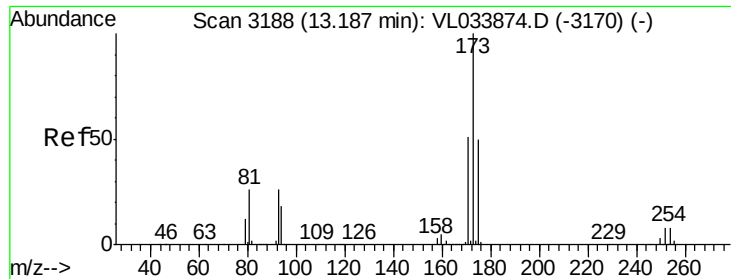


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.995 ppbv

RT: 13.17 min Scan# 3184

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

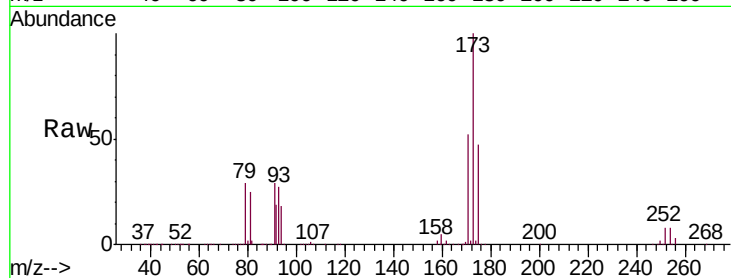
Tgt Ion:173 Resp: 1245807

Ion Ratio Lower Upper

173 100

175 48.9 39.6 59.4

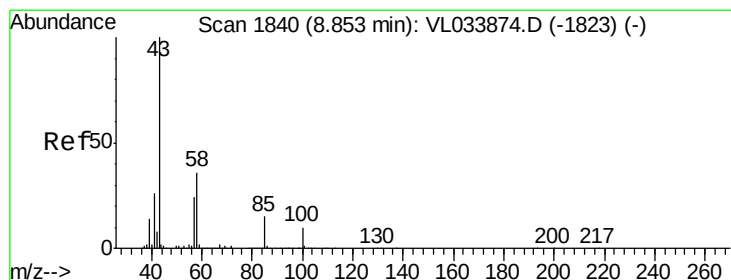
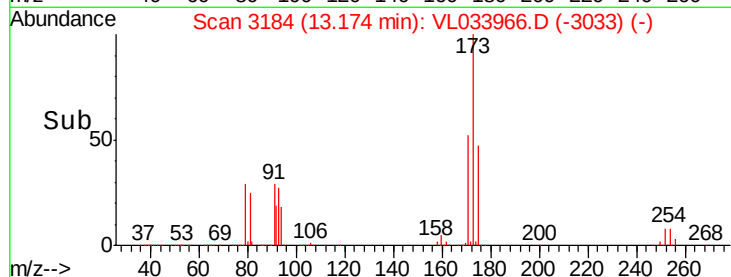
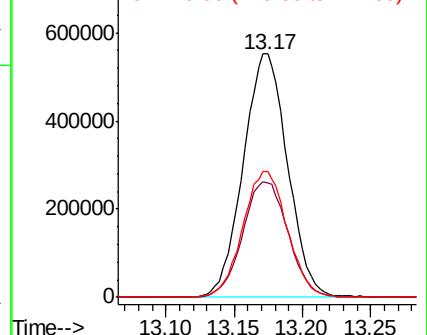
171 52.0 41.8 62.8



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: 10.883 ppbv

RT: 8.84 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VL033966.D

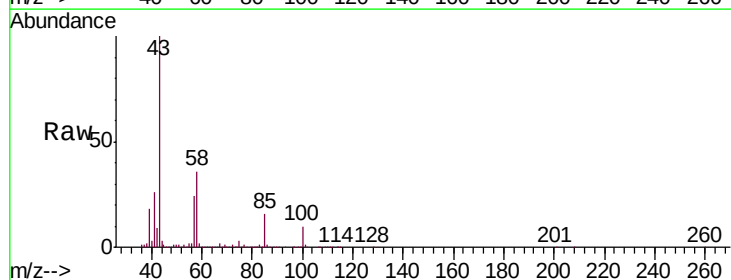
Acq: 26 Jun 2019 13:58

Tgt Ion: 43 Resp: 1860380

Ion Ratio Lower Upper

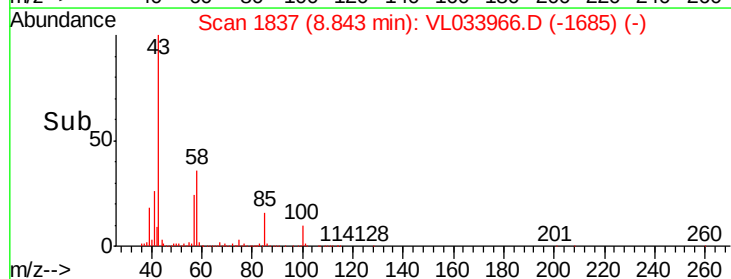
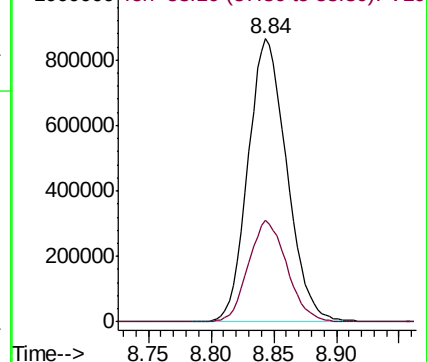
43 100

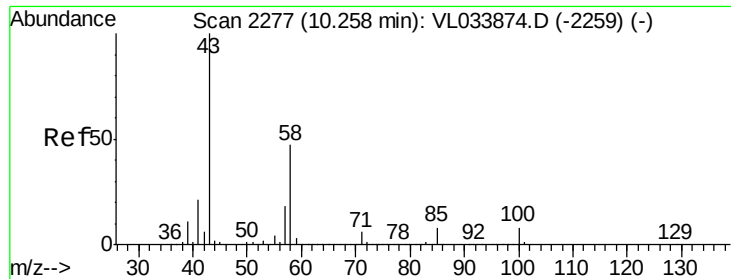
58 35.7 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.508 ppbv

RT: 10.25 min Scan# 2273

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

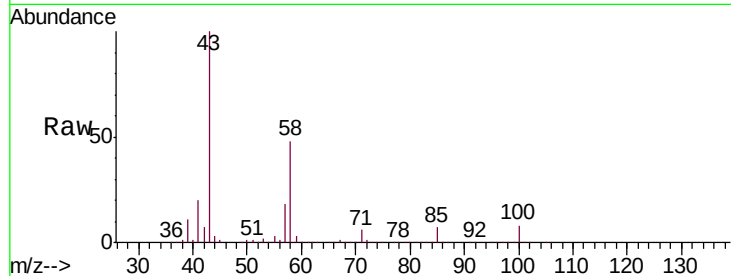
Tgt Ion: 43 Resp: 1536324

Ion Ratio Lower Upper

43 100

58 47.4 38.2 57.4

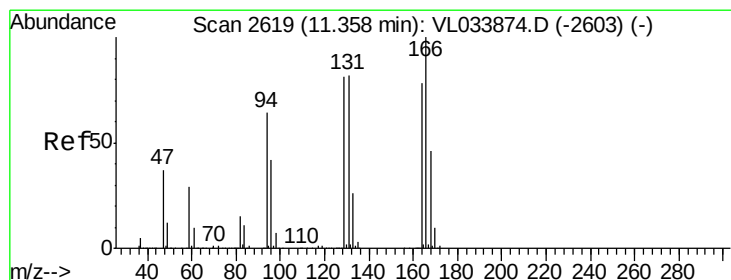
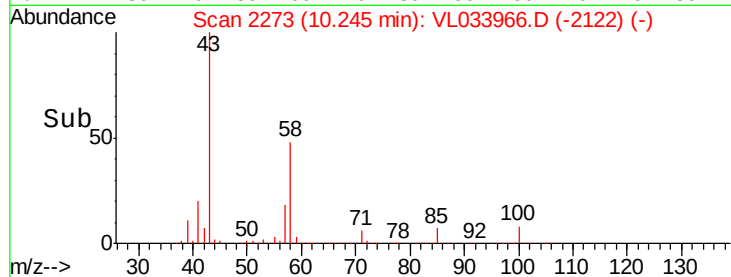
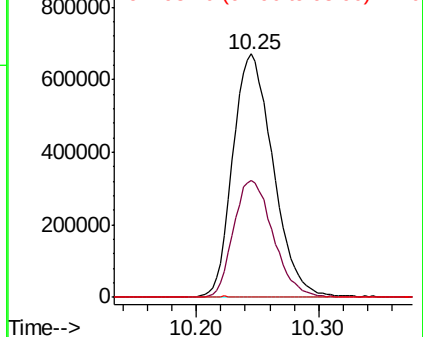
98 0.5 0.2 0.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 12.174 ppbv

RT: 11.34 min Scan# 2615

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Tgt Ion:164 Resp: 664938

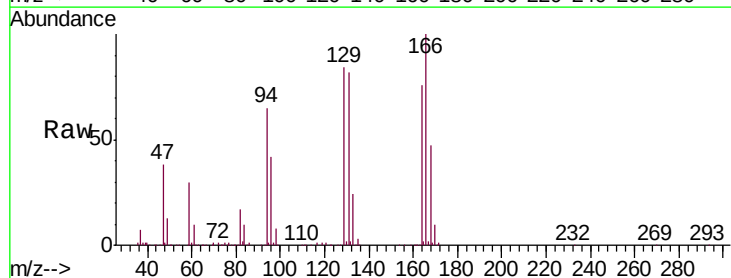
Ion Ratio Lower Upper

164 100

166 131.2 103.1 154.7

129 110.4 83.9 125.9

131 107.5 85.1 127.7

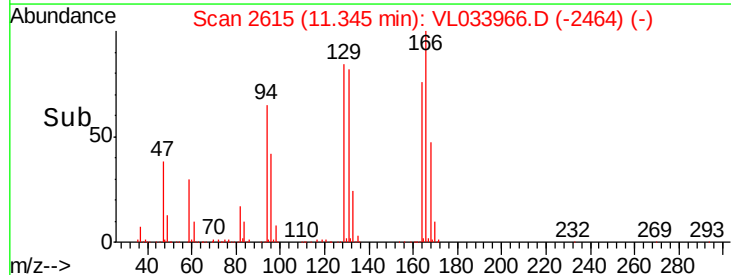
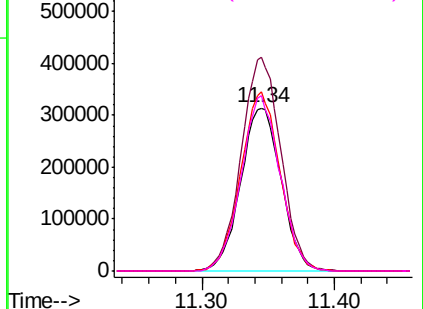


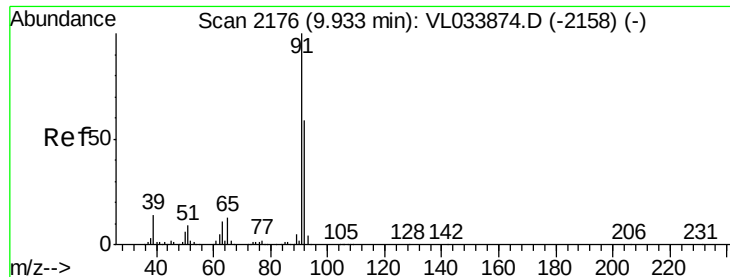
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.660 ppbv

RT: 9.92 min Scan# 2171

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

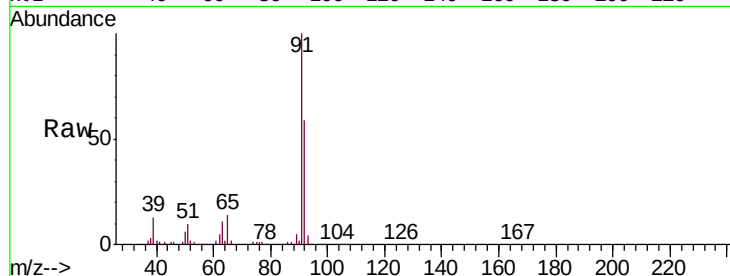
VL0626ABS01

Tgt Ion: 91 Resp: 2003038

Ion Ratio Lower Upper

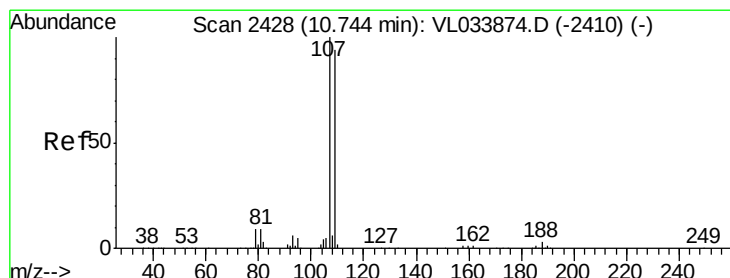
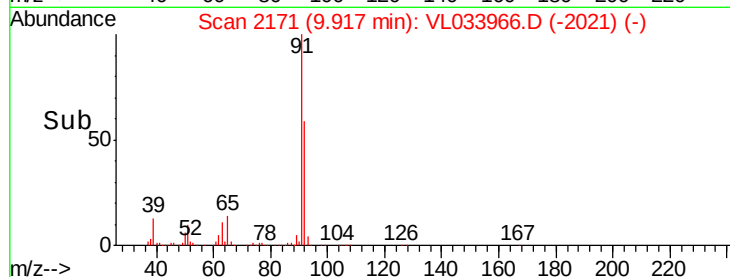
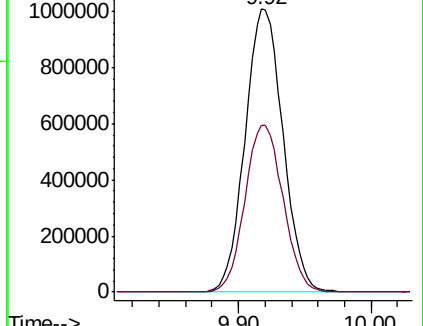
91 100

92 59.4 47.0 70.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.836 ppbv

RT: 10.73 min Scan# 2425

Delta R.T. -0.01 min

Lab File: VL033966.D

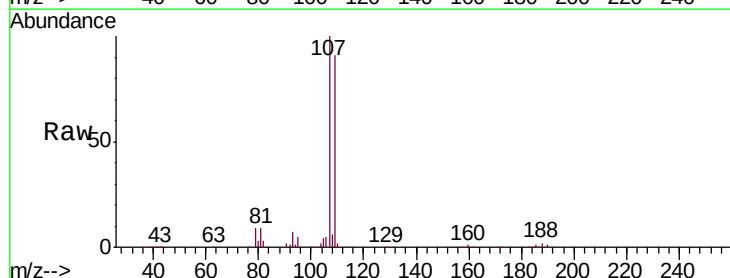
Acq: 26 Jun 2019 13:58

Tgt Ion: 107 Resp: 1166641

Ion Ratio Lower Upper

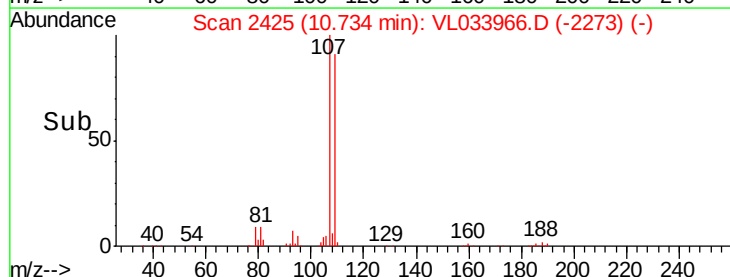
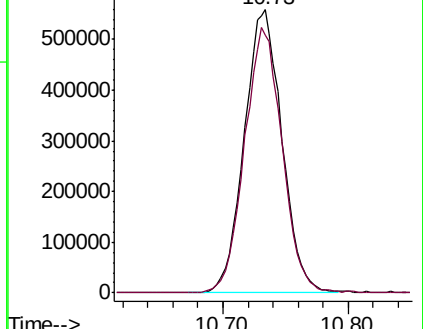
107 100

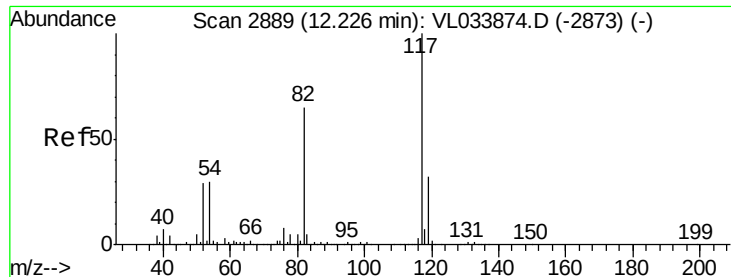
109 91.3 74.9 112.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

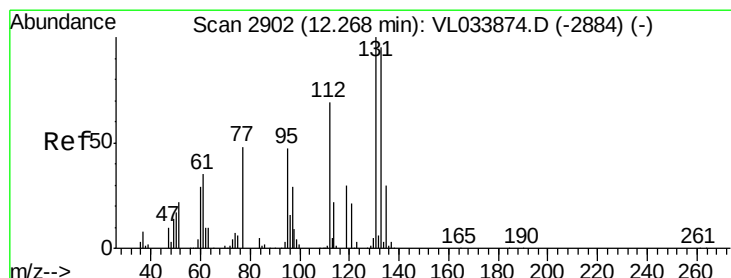
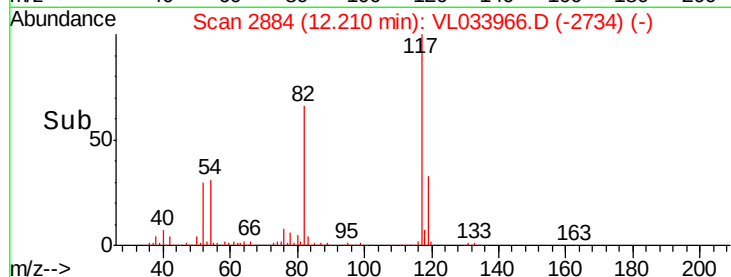
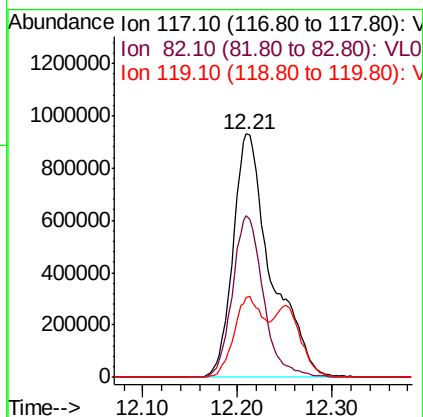
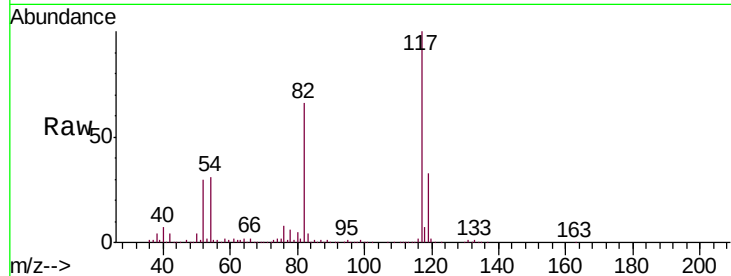




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.21 min Scan# 2884
Delta R.T. -0.02 min
Lab File: VL033966.D
Acq: 26 Jun 2019 13:58

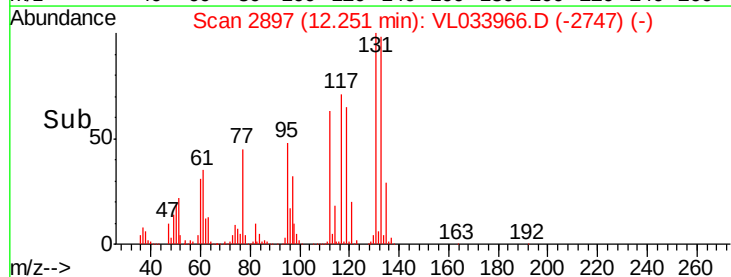
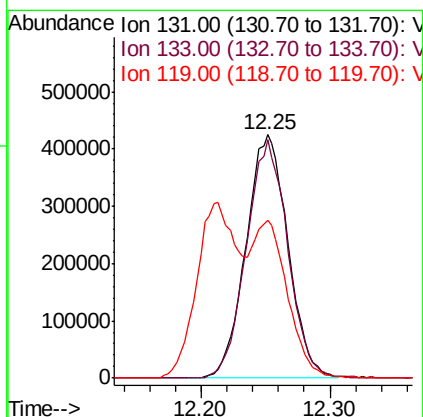
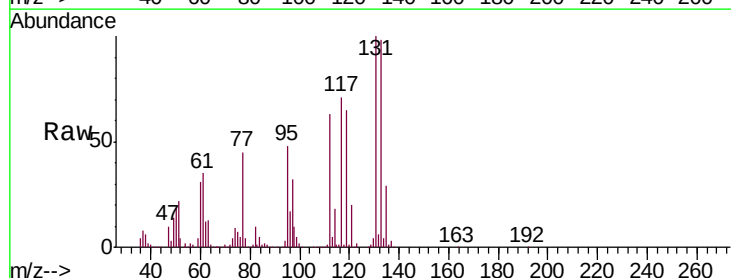
Instrument :
MSVOA_L
ClientSampleId :
VL0626ABS01

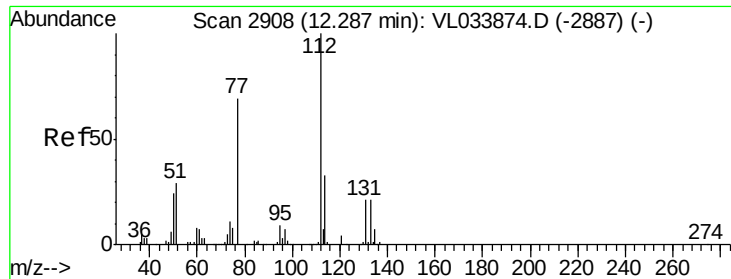
Tgt Ion:117 Resp: 2600209
Ion Ratio Lower Upper
117 100
82 54.1 50.2 75.2
119 25.4 24.8 37.2



#56
1,1,1,2-Tetrachloroethane
Concen: 8.471 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL033966.D
Acq: 26 Jun 2019 13:58

Tgt Ion:131 Resp: 962160
Ion Ratio Lower Upper
131 100
133 96.8 76.5 114.7
119 54.7 42.6 64.0





#57

Chlorobenzene

Concen: 8.195 ppbv

RT: 12.27 min Scan# 2903

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

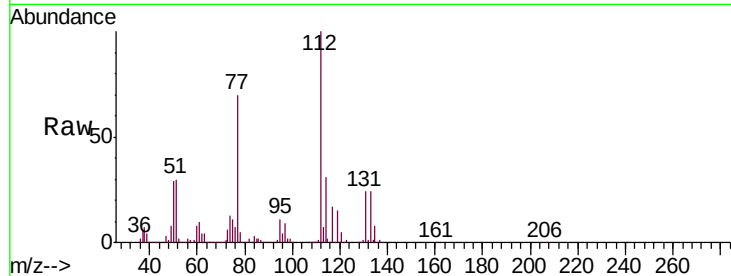
Tgt Ion: 112 Resp: 1595889

Ion Ratio Lower Upper

112 100

77 69.9 55.8 83.6

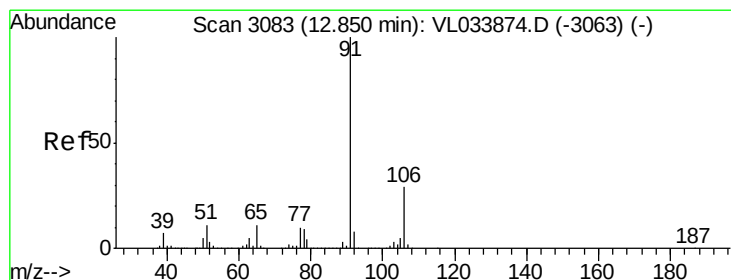
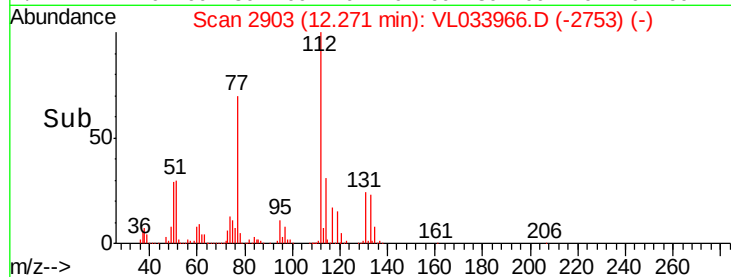
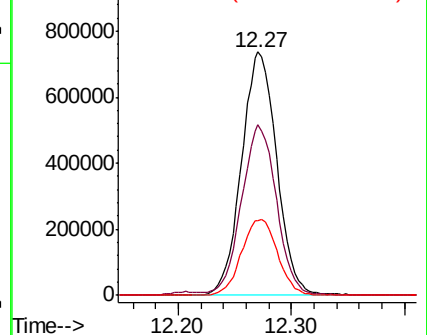
114 30.6 29.8 36.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.487 ppbv

RT: 12.83 min Scan# 3078

Delta R.T. -0.02 min

Lab File: VL033966.D

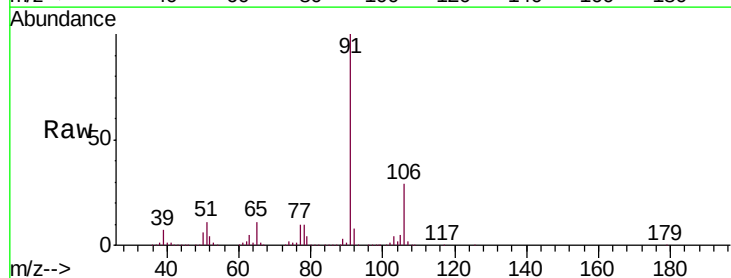
Acq: 26 Jun 2019 13:58

Tgt Ion: 91 Resp: 2781188

Ion Ratio Lower Upper

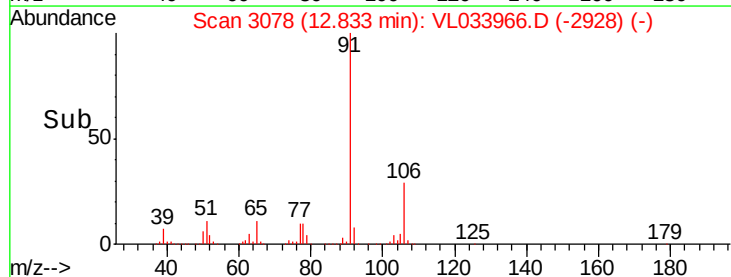
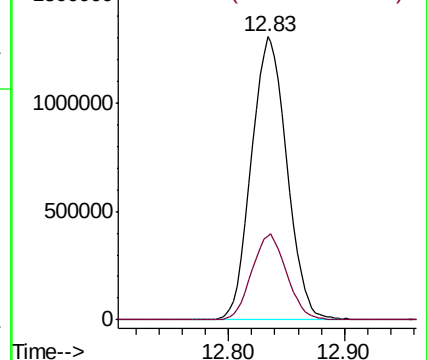
91 100

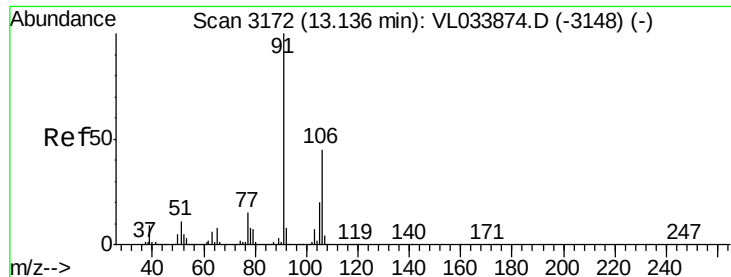
106 29.5 23.0 34.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

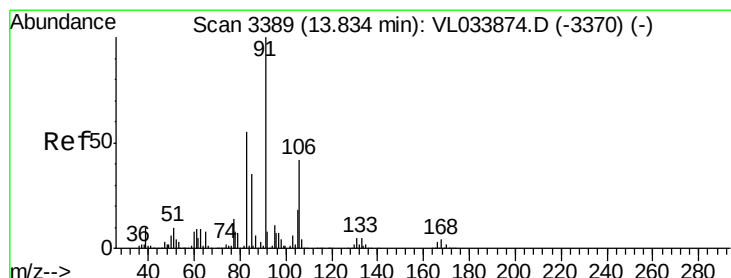
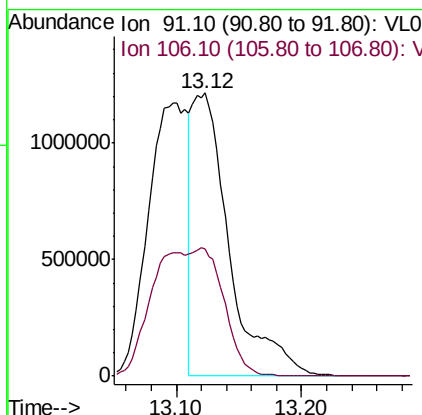
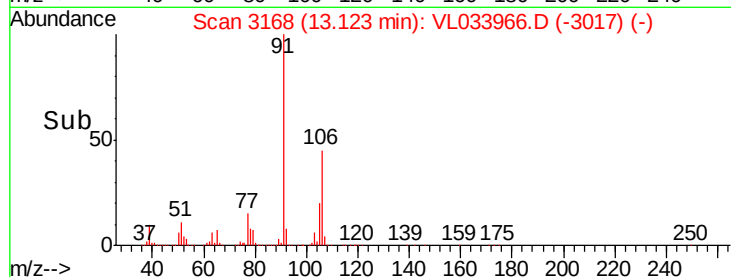
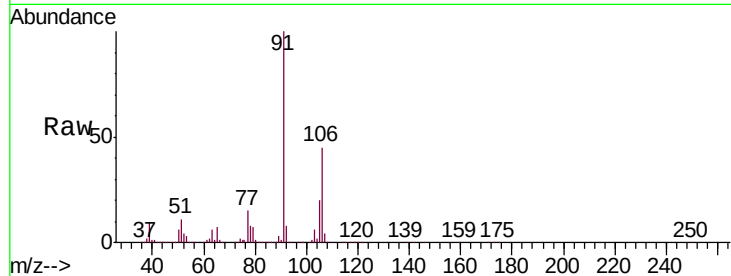




#59
m/p-Xylene
Concen: 9.315 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033966.D
Acq: 26 Jun 2019 13:58

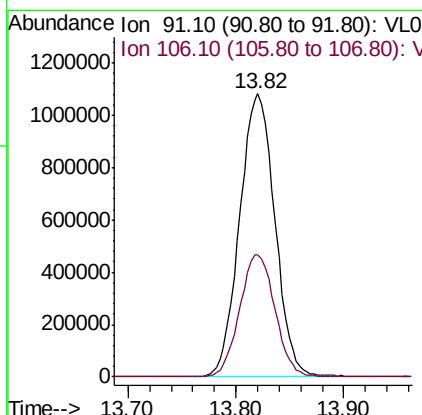
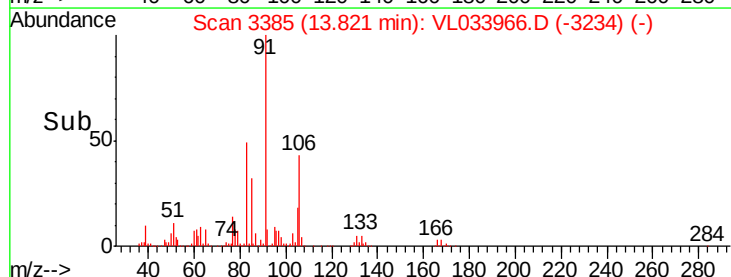
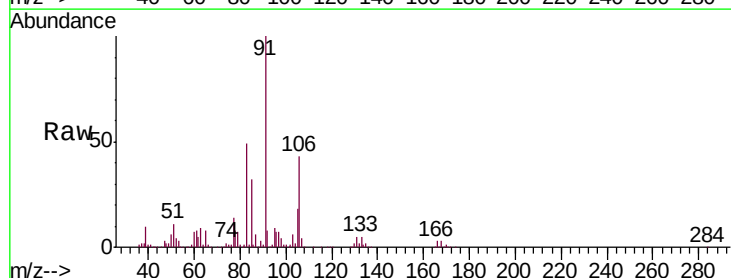
Instrument :
MSVOA_L
ClientSampleId :
VL0626ABS01

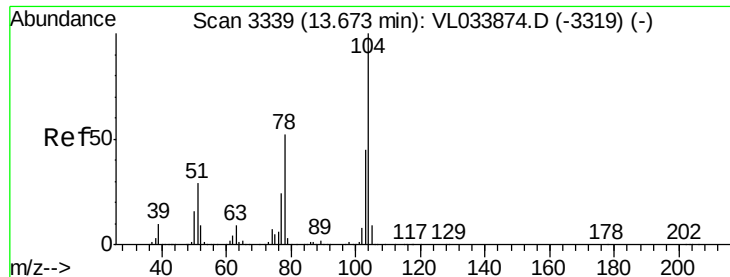
Tgt Ion: 91 Resp: 2483402
Ion Ratio Lower Upper
91 100
106 86.3 35.8 53.8#



#60
o-Xylene
Concen: 8.943 ppbv
RT: 13.82 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL033966.D
Acq: 26 Jun 2019 13:58

Tgt Ion: 91 Resp: 2461549
Ion Ratio Lower Upper
91 100
106 43.5 21.7 65.1





#61

Styrene

Concen: 9.442 ppbv

RT: 13.65 min Scan# 3333

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

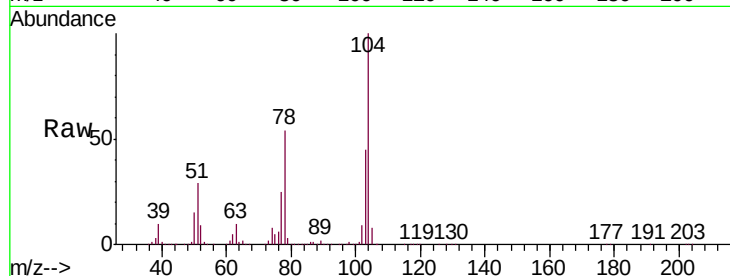
Tgt Ion:104 Resp: 1681853

Ion Ratio Lower Upper

104 100

78 55.1 43.4 65.0

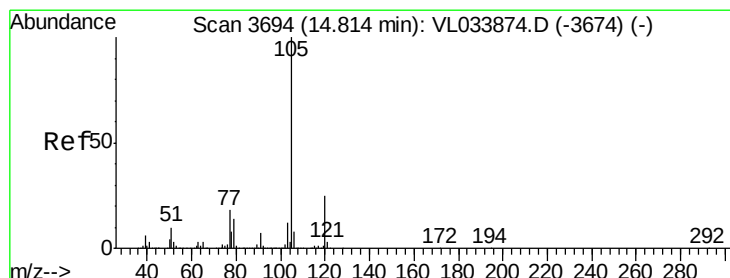
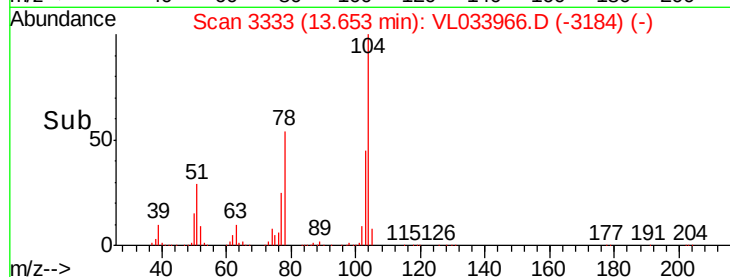
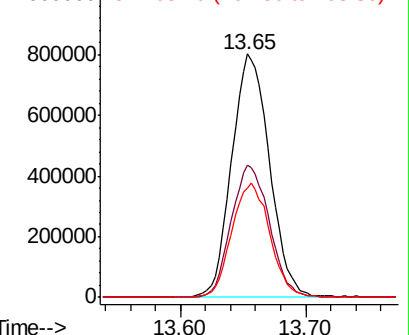
103 47.3 37.6 56.4



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: 8.953 ppbv

RT: 14.80 min Scan# 3689

Delta R.T. -0.02 min

Lab File: VL033966.D

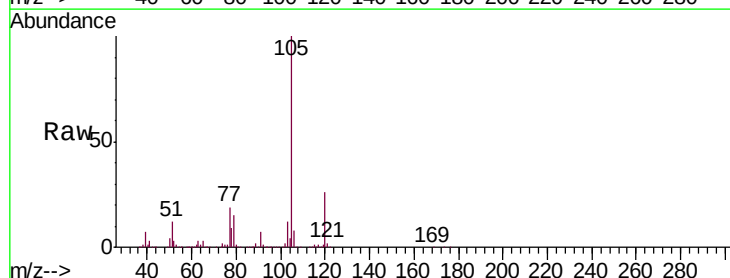
Acq: 26 Jun 2019 13:58

Tgt Ion:105 Resp: 3321489

Ion Ratio Lower Upper

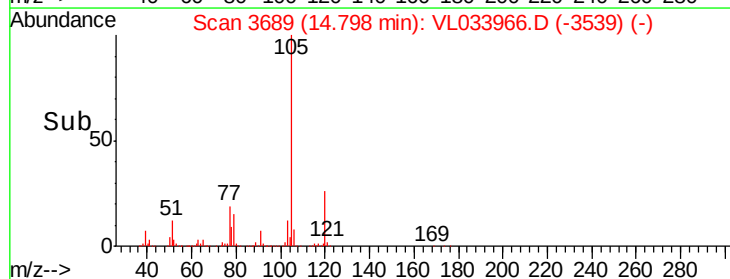
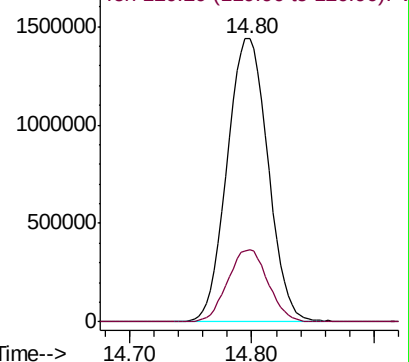
105 100

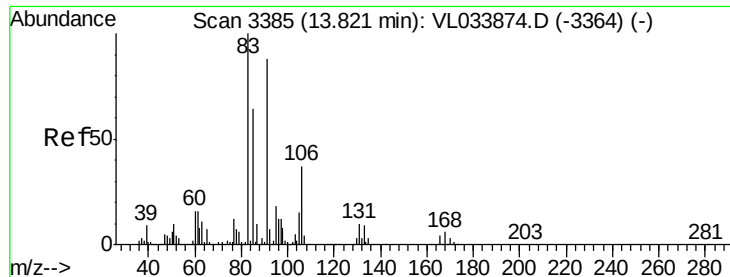
120 25.3 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

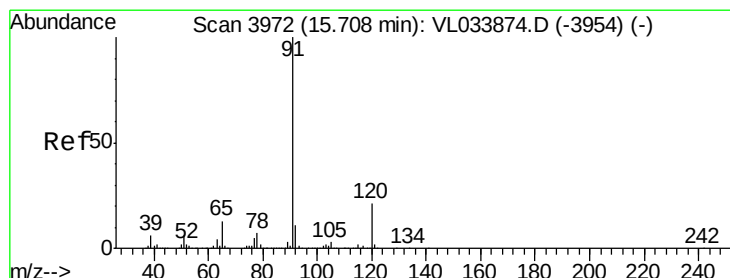
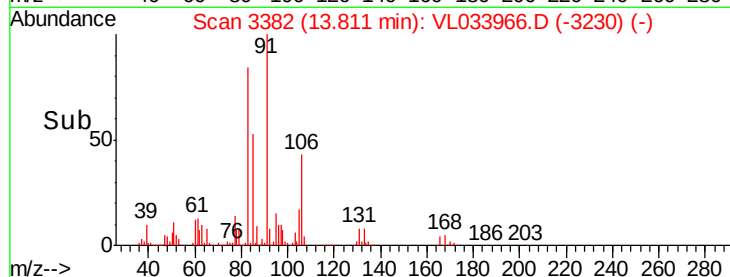
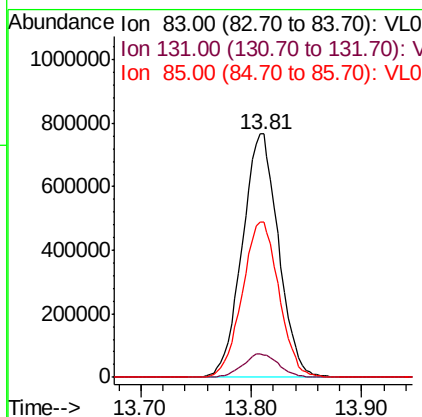
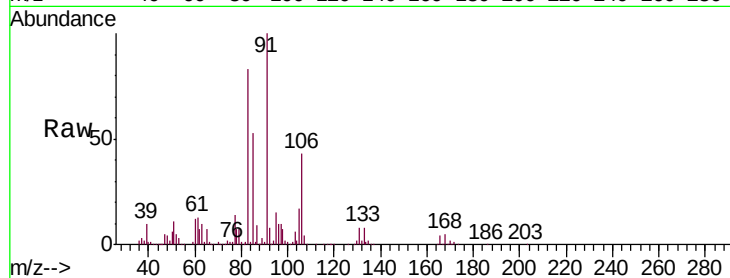




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.405 ppbv
 RT: 13.81 min Scan# 3382
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

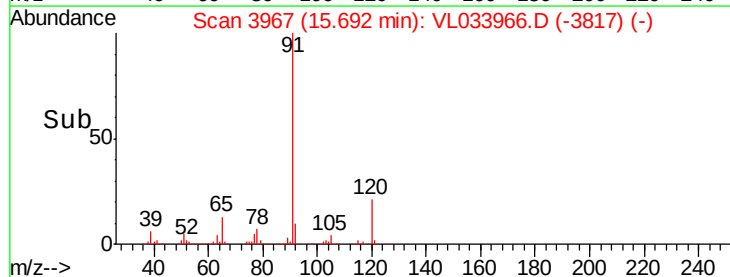
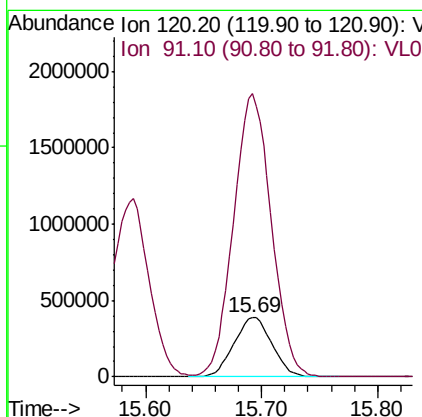
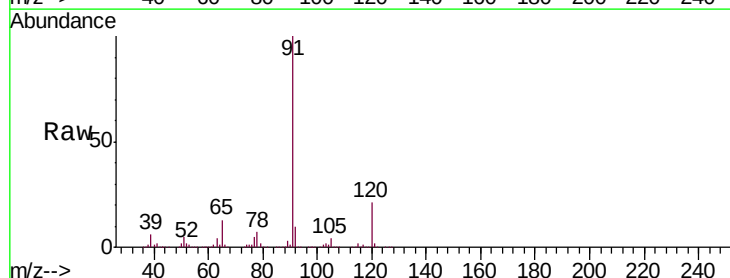
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

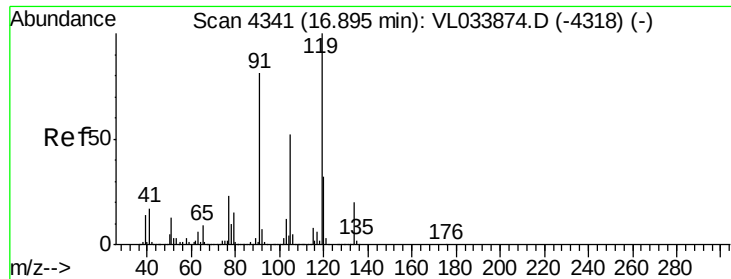
Tgt Ion: 83 Resp: 1741476
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.8 14.4
 85 64.8 32.1 96.3



#64
 n-propylbenzene
 Concen: 9.269 ppbv
 RT: 15.69 min Scan# 3967
 Delta R.T. -0.02 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion: 120 Resp: 880594
 Ion Ratio Lower Upper
 120 100
 91 477.5 387.0 580.6

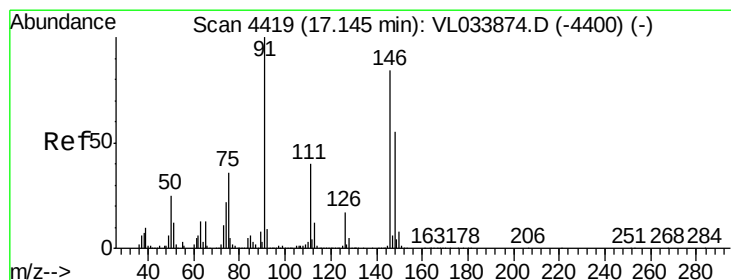
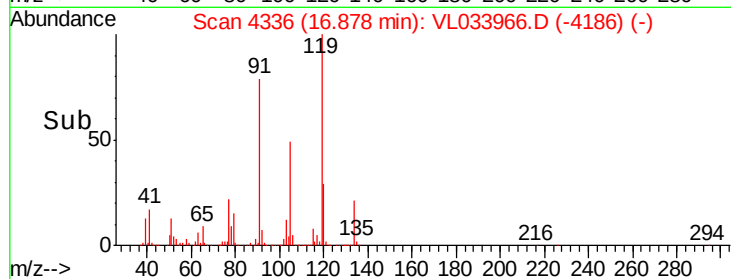
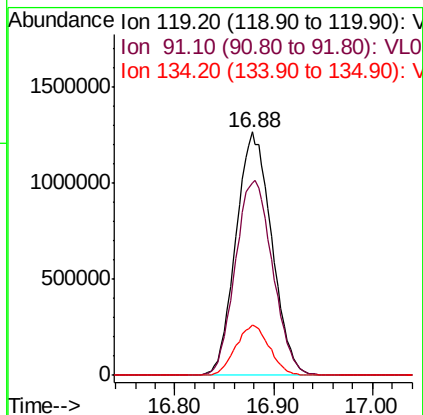
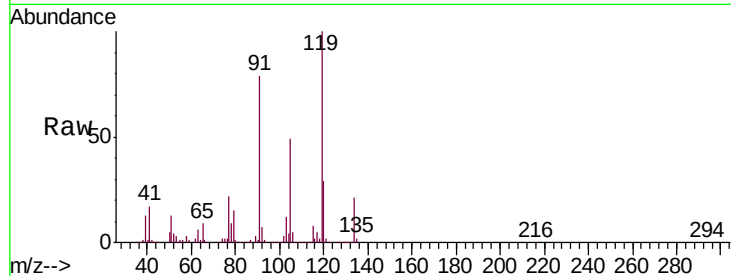




#65
 tert-Butylbenzene
 Concen: 9.240 ppbv
 RT: 16.88 min Scan# 4336
 Delta R.T. -0.02 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

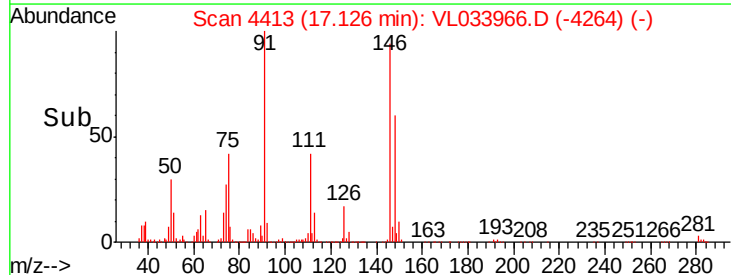
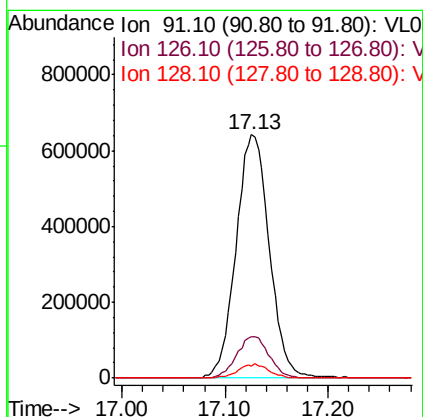
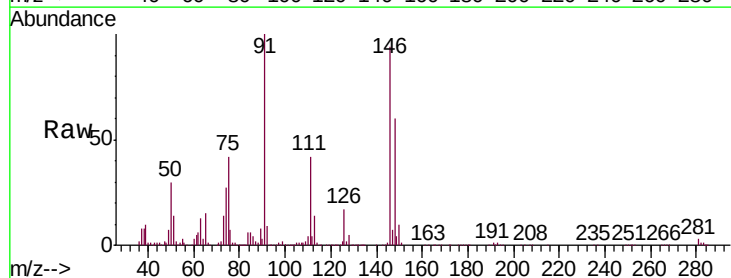
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

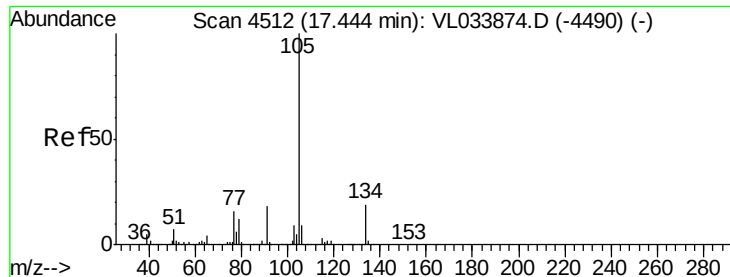
Tgt Ion: 119 Resp: 3171693
 Ion Ratio Lower Upper
 119 100
 91 83.8 66.6 100.0
 134 19.5 15.5 23.3



#66
 Benzyl Chloride
 Concen: 8.265 ppbv
 RT: 17.13 min Scan# 4413
 Delta R.T. -0.02 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion: 91 Resp: 1437666
 Ion Ratio Lower Upper
 91 100
 126 16.8 13.8 20.6
 128 5.4 4.4 6.6





#67

sec-Butylbenzene

Concen: 9.146 ppbv

RT: 17.43 min Scan# 4507

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

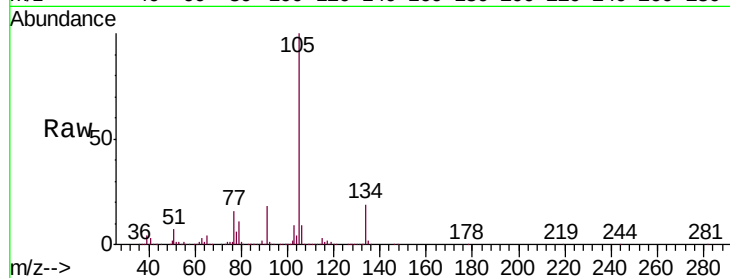
VL0626ABS01

Tgt Ion: 105 Resp: 4404230

Ion Ratio Lower Upper

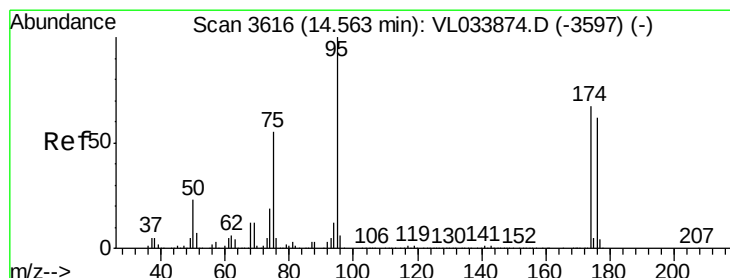
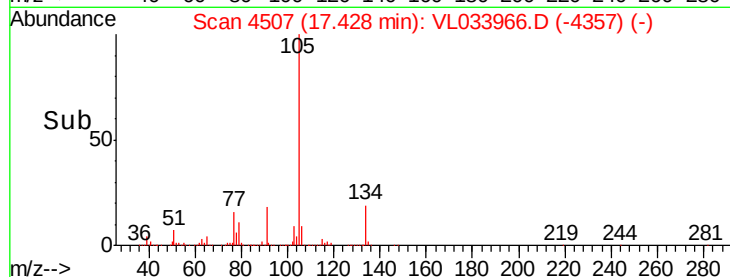
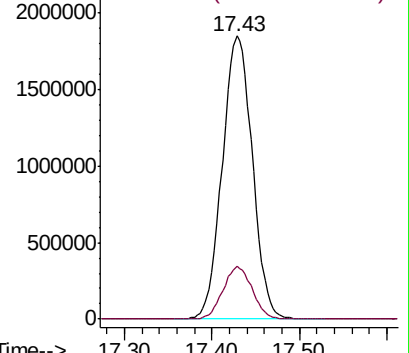
105 100

134 18.1 14.6 22.0



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: 8.257 ppbv

RT: 14.55 min Scan# 3611

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

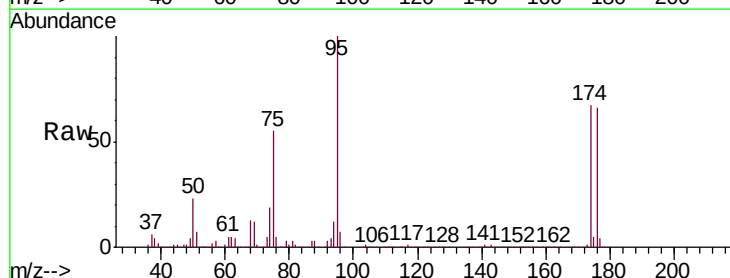
Tgt Ion: 95 Resp: 1763413

Ion Ratio Lower Upper

95 100

174 66.5 54.0 81.0

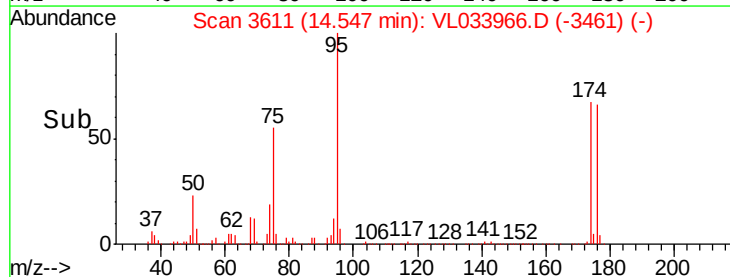
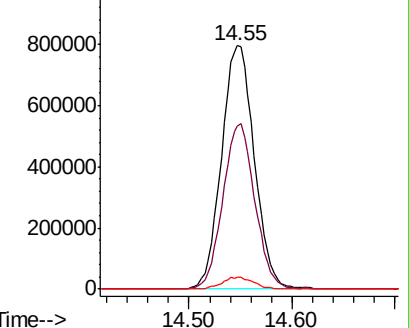
175 4.7 3.8 5.8

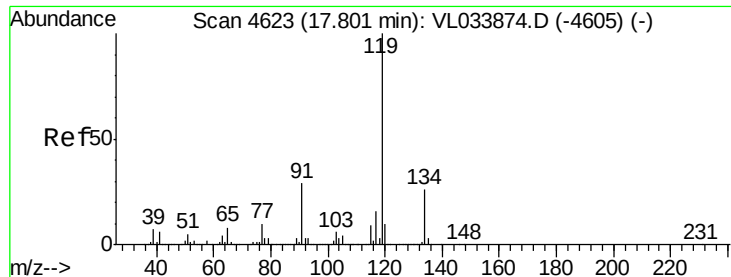


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

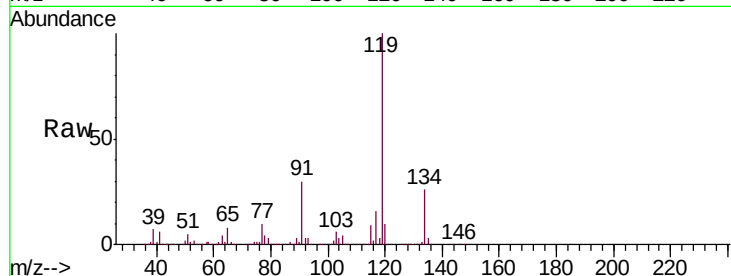




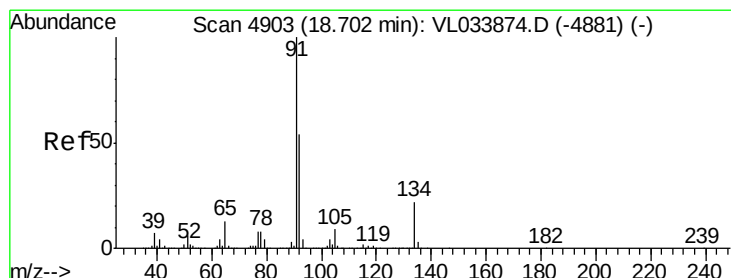
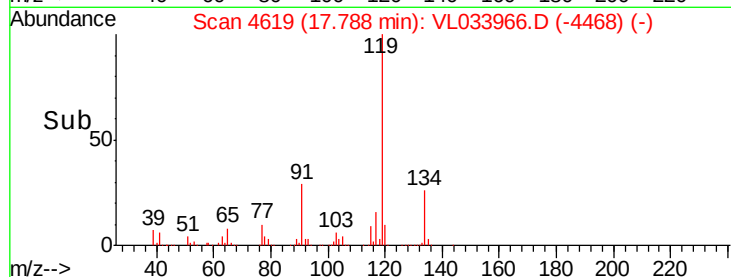
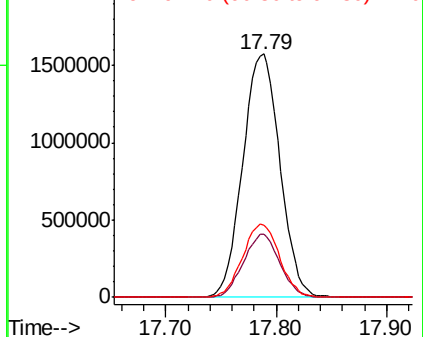
#69
 p-Isopropyltoluene
 Concen: 9.168 ppbv
 RT: 17.79 min Scan# 4619
 Delta R.T. -0.01 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

Tgt Ion: 119 Resp: 3673293
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.3 30.5
 91 30.0 23.8 35.6

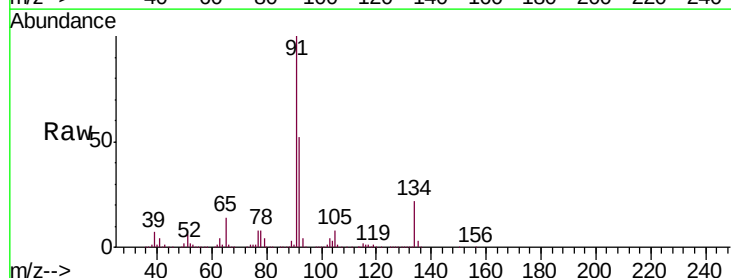


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

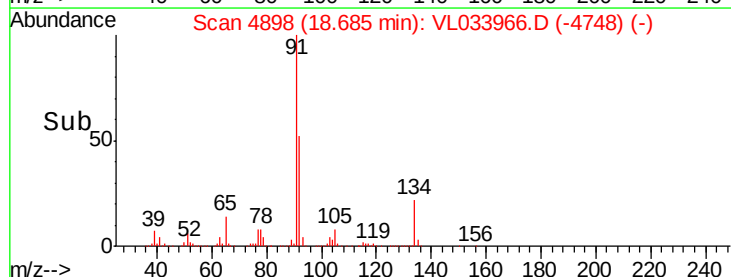
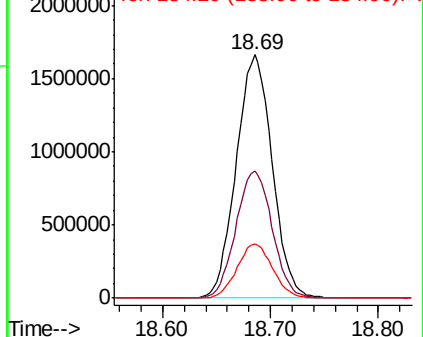


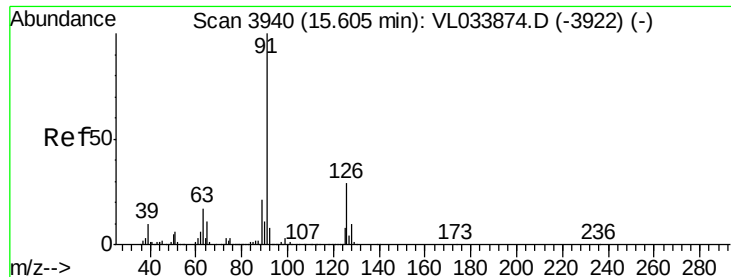
#70
 n-Butylbenzene
 Concen: 8.766 ppbv
 RT: 18.69 min Scan# 4898
 Delta R.T. -0.02 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion: 91 Resp: 3847136
 Ion Ratio Lower Upper
 91 100
 92 53.0 42.5 63.7
 134 22.0 17.8 26.6



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: 9.439 ppbv

RT: 15.59 min Scan# 3935

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

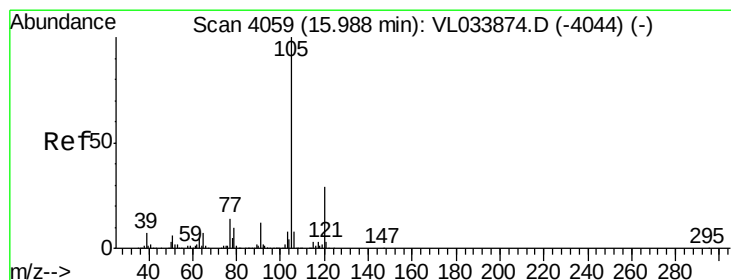
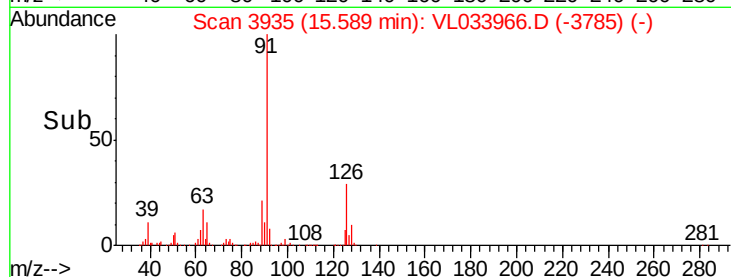
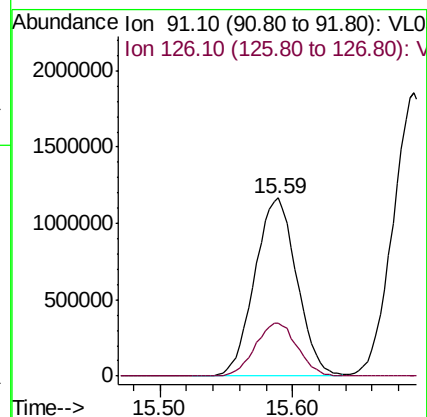
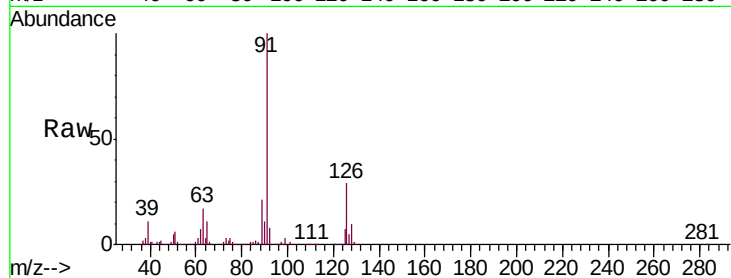
VL0626ABS01

Tgt Ion: 91 Resp: 2579641

Ion Ratio Lower Upper

91 100

126 29.8 12.0 48.2



#72

4-Ethyltoluene

Concen: 9.400 ppbv

RT: 15.97 min Scan# 4054

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Tgt Ion: 105 Resp: 2944328

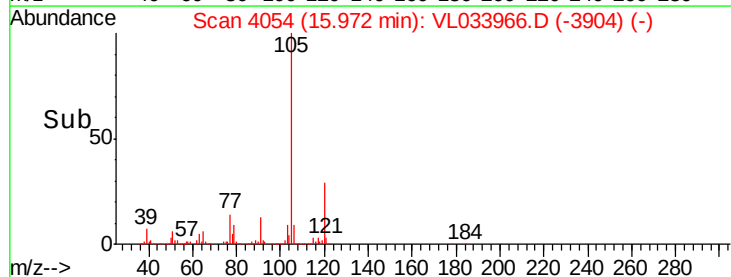
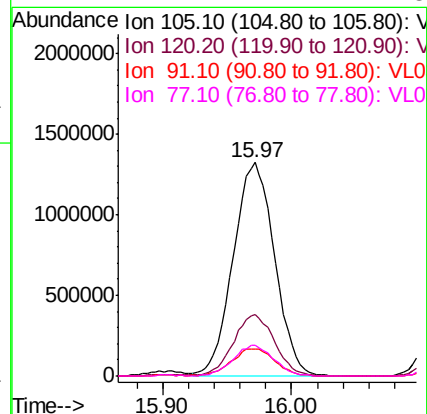
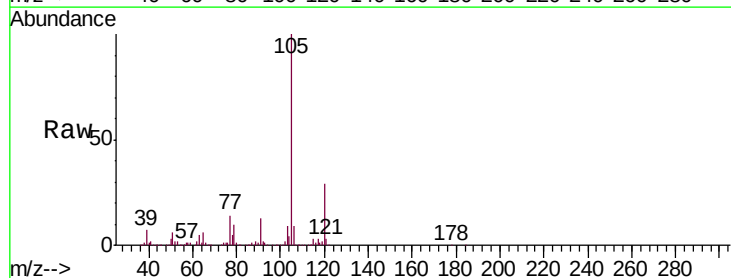
Ion Ratio Lower Upper

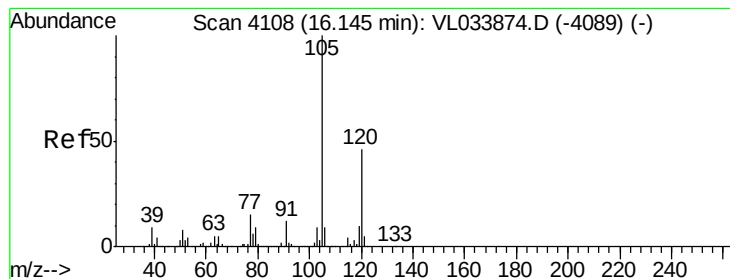
105 100

120 28.6 23.5 35.3

91 13.5 10.4 15.6

77 14.2 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 9.206 ppbv

RT: 16.13 min Scan# 4103

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

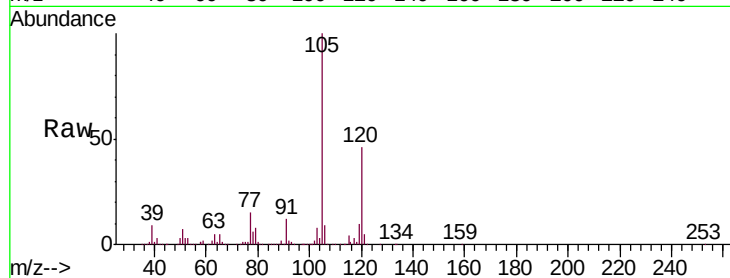
VL0626ABS01

Tgt Ion:105 Resp: 2840202

Ion Ratio Lower Upper

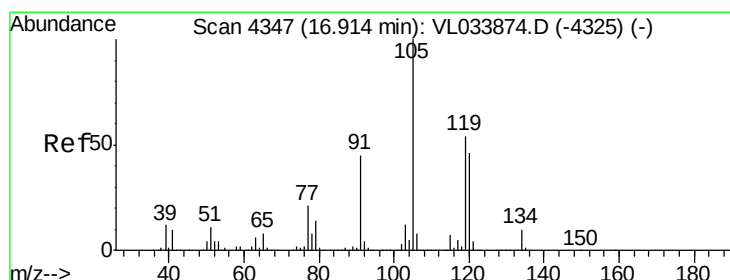
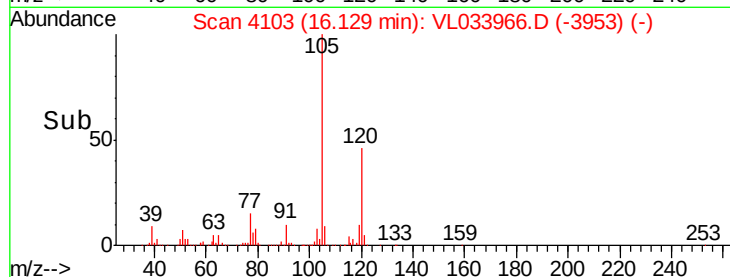
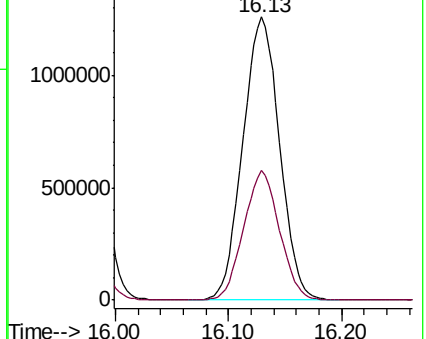
105 100

120 46.0 37.1 55.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.457 ppbv

RT: 16.90 min Scan# 4342

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Tgt Ion:105 Resp: 3007332

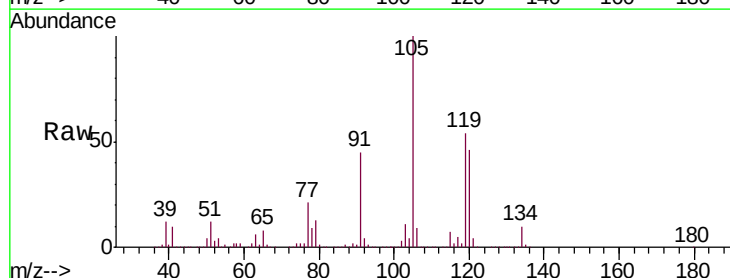
Ion Ratio Lower Upper

105 100

120 45.7 36.7 55.1

91 45.2 35.8 53.8

77 21.2 16.9 25.3

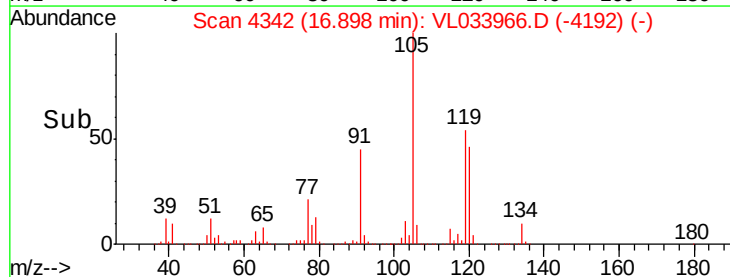
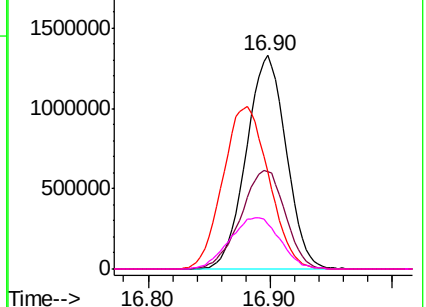


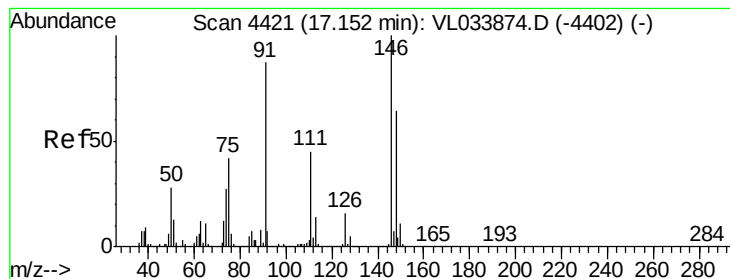
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 7.723 ppbv

RT: 17.14 min Scan# 4416

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

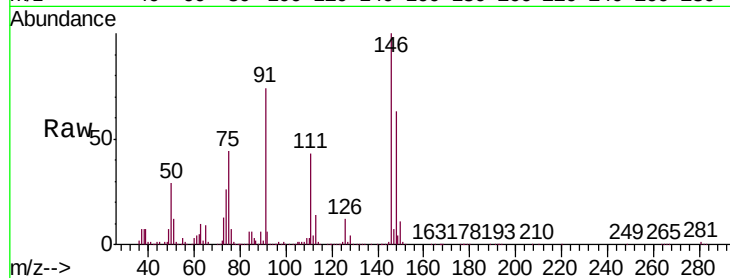
Tgt Ion:146 Resp: 1719814

Ion Ratio Lower Upper

146 100

111 45.6 22.8 68.3

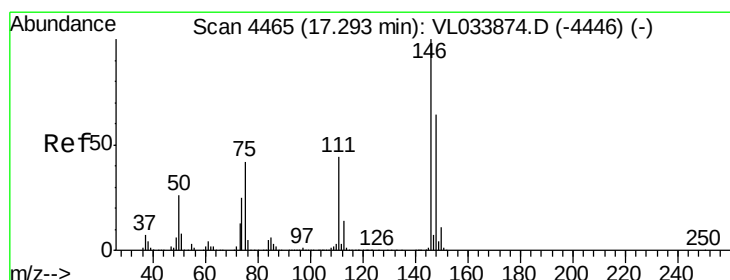
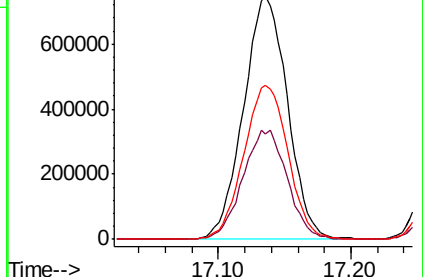
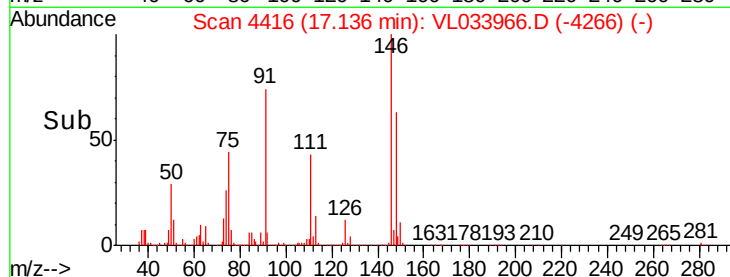
148 64.2 32.2 96.6



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: 8.115 ppbv

RT: 17.28 min Scan# 4460

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

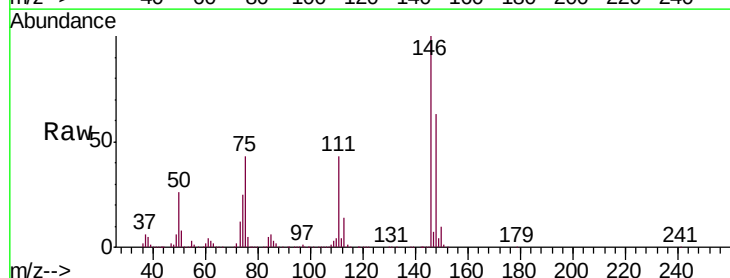
Tgt Ion:146 Resp: 1659325

Ion Ratio Lower Upper

146 100

111 44.8 22.1 66.5

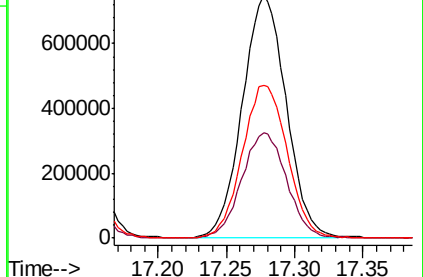
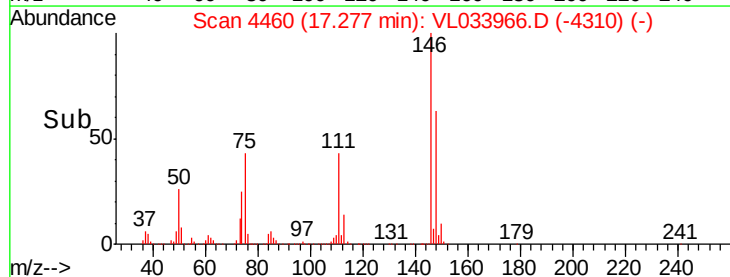
148 65.3 32.4 97.0

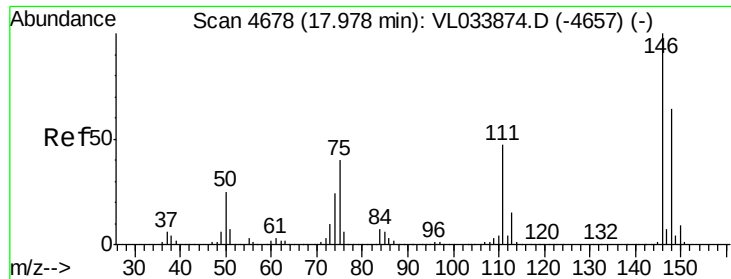


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

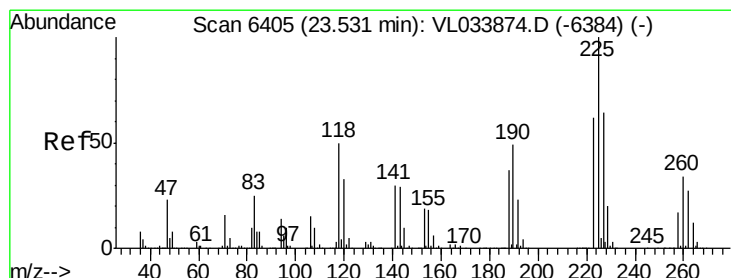
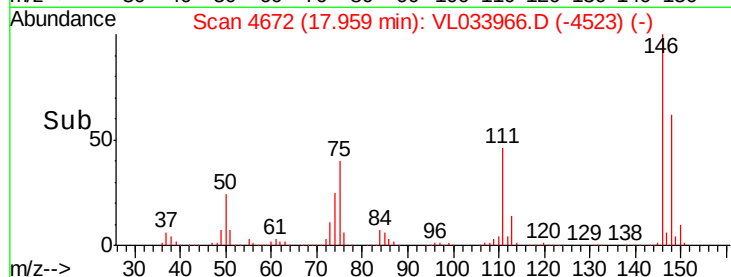
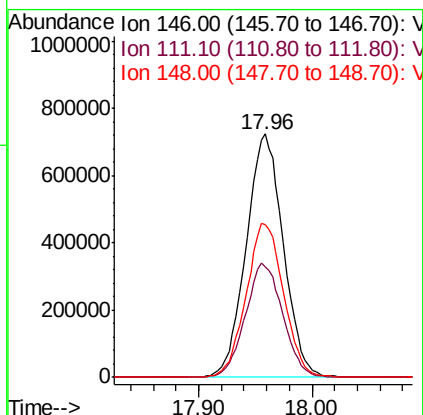
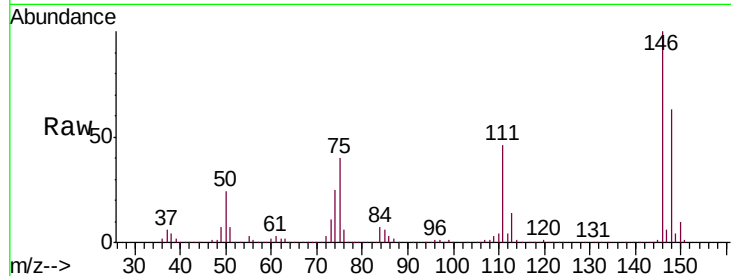




#77
 1,2-Dichlorobenzene
 Concen: 8.027 ppbv
 RT: 17.96 min Scan# 4672
 Delta R.T. -0.02 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

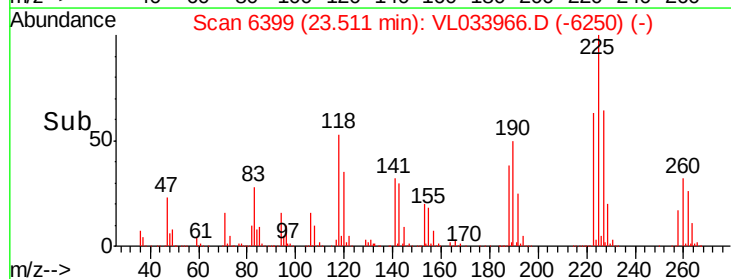
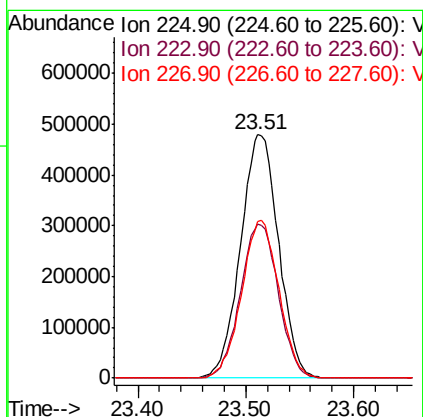
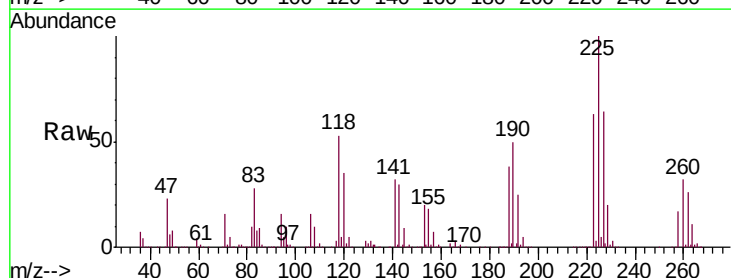
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

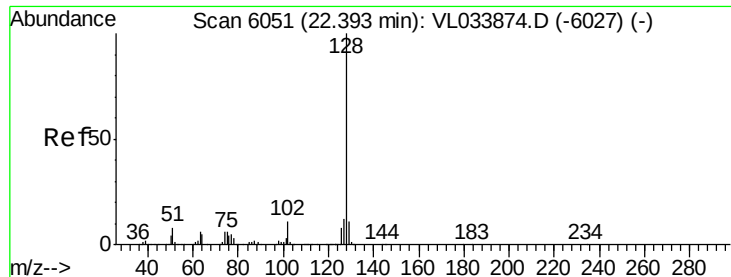
Tgt Ion:146 Resp: 1649674
 Ion Ratio Lower Upper
 146 100
 111 47.3 23.4 70.0
 148 63.9 31.8 95.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.309 ppbv
 RT: 23.51 min Scan# 6399
 Delta R.T. -0.02 min
 Lab File: VL033966.D
 Acq: 26 Jun 2019 13:58

Tgt Ion:225 Resp: 1173226
 Ion Ratio Lower Upper
 225 100
 223 63.2 50.8 76.2
 227 63.6 51.8 77.6





#79

Naphthalene

Concen: 8.227 ppbv

RT: 22.38 min Scan# 6046

Delta R.T. -0.02 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

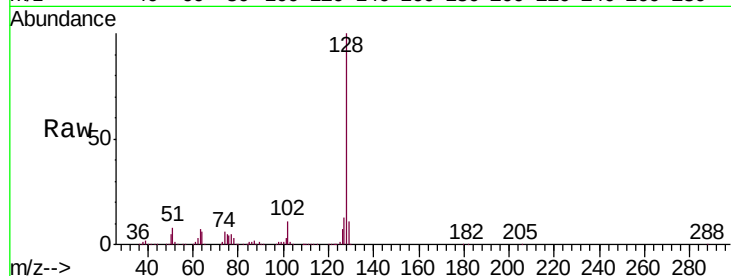
Tgt Ion:128 Resp: 2338442

Ion Ratio Lower Upper

128 100

127 13.1 9.7 14.5

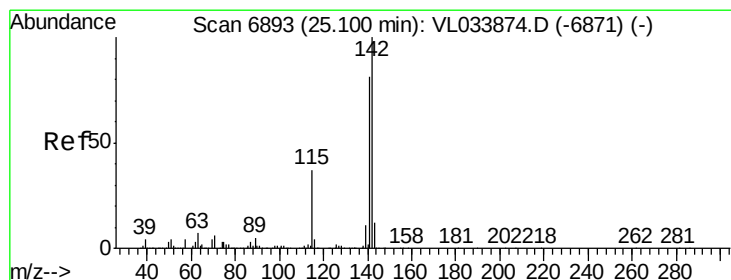
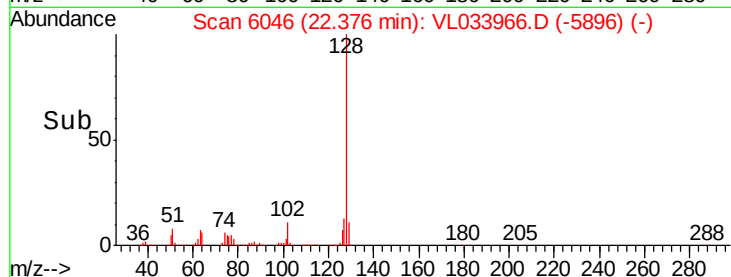
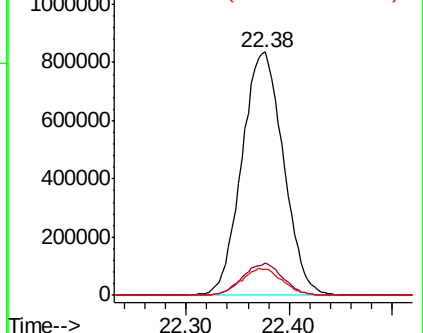
129 10.8 8.6 12.8



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: 5.472 ppbv

RT: 25.09 min Scan# 6890

Delta R.T. -0.01 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

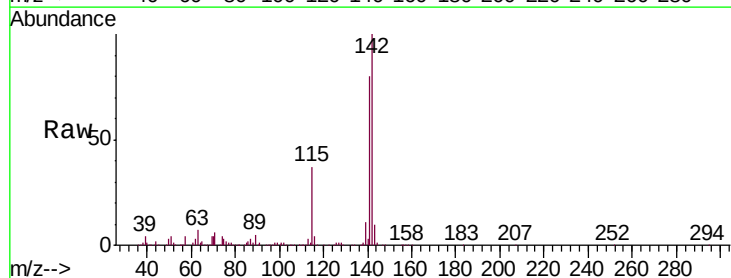
Tgt Ion:142 Resp: 620631

Ion Ratio Lower Upper

142 100

141 81.6 65.7 98.5

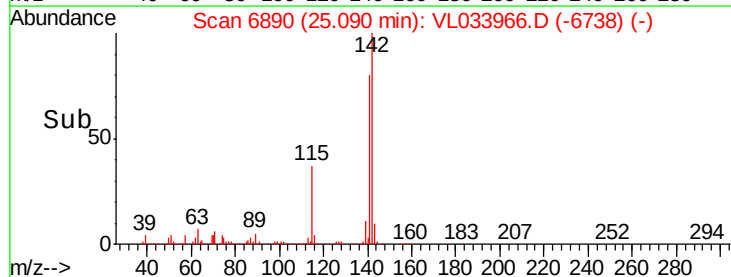
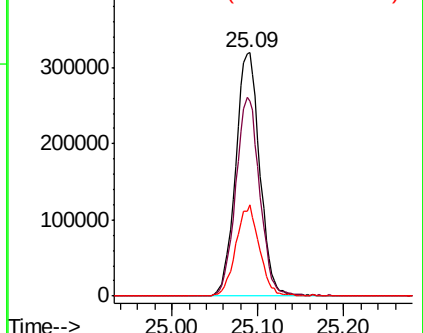
115 36.4 28.9 43.3

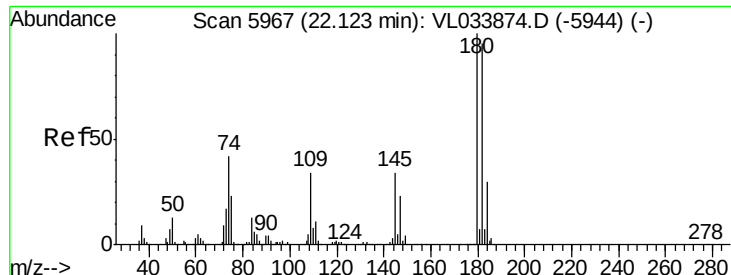


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 3.594 ppbv

RT: 22.09 min Scan# 5958

Delta R.T. -0.03 min

Lab File: VL033966.D

Acq: 26 Jun 2019 13:58

Instrument :

MSVOA_L

ClientSampleId :

VL0626ABS01

Tgt Ion:180 Resp: 644923

Ion Ratio Lower Upper

180 100

182 195.5 76.9 115.3#

184 0.0 24.5 36.7#

