

Data File : VL034055.D
Acq On : 30 Jul 2019 7:18
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL073019

Quant Time: Jul 30 07:57:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL073019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 30 06:55:18 2019
QLast Update : Tue Jul 30 06:55:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	1222231	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.25	114	4516542	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.19	117	4149486	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.52	95	2608548	7.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1898877	8.088	ppbv	95
3) Chlorodifluoromethane	2.99	51	1300654	9.219	ppbv	98
4) Chloromethane	3.14	50	693961	8.386	ppbv	96
5) Vinyl Chloride	3.26	62	758081	8.313	ppbv	100
6) Bromomethane	3.48	94	486958	8.483	ppbv	97
7) Chloroethane	3.57	64	295376	7.993	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	1917880	8.201	ppbv	99
9) Propene	3.01	41	499293	9.858	ppbv	96
10) Heptane	8.20	43	1445335	10.463	ppbv	99
11) Trichlorofluoromethane	3.97	101	2078832	7.962	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.52	101	1501941	8.552	ppbv	99
13) Ethanol	3.62	45	161984	8.035	ppbv	97
14) Bromoethene	3.76	108	633741	8.545	ppbv	99
15) Acetone	3.87	43	1436938	7.733	ppbv	100
16) 1,3-Butadiene	3.34	39	652406	9.041	ppbv	98
17) tert-Butyl alcohol	4.32	59	1461826	9.568	ppbv	99
18) 1,1-Dichloroethene	4.32	96	674510	8.477	ppbv	95
19) Isopropyl Alcohol	3.99	45	1131907	8.919	ppbv #	99
20) Methylene Chloride	4.37	84	600964	8.456	ppbv	97
21) Allyl Chloride	4.44	41	1032545	8.804	ppbv	97
22) trans-1,2-Dichloroethene	4.92	96	656793	7.968	ppbv	99
23) Vinyl Acetate	5.12	43	1892471	9.510	ppbv	99
24) 1,1-Dichloroethane	5.05	63	1498346	8.476	ppbv	99
25) Ethyl Acetate	5.73	43	2590506	9.378	ppbv	100
26) Hexane	5.74	57	1199051	9.596	ppbv	98
27) Carbon Disulfide	4.58	76	1746661	8.977	ppbv	99
28) Methyl tert-Butyl Ether	5.07	73	1935795	9.103	ppbv	100
29) Chloroform	5.81	83	2004204	8.782	ppbv	97
30) Cyclohexane	7.20	84	1489523	11.733	ppbv	99
31) cis-1,2-Dichloroethene	5.60	61	1200474	9.858	ppbv	95
32) 1,1,1-Trichloroethane	6.57	97	1916997	8.003	ppbv	99
34) 2-Butanone	5.29	43	1487164	8.001	ppbv	99
35) Carbon Tetrachloride	7.09	117	3086691	9.684	ppbv	98
36) Benzene	6.96	78	3533147	11.751	ppbv	99
37) 1,2-Dichloroethane	6.37	62	1447937	7.008	ppbv	99
38) Trichloroethene	7.91	130	1068126	8.477	ppbv	94
39) 1,2-Dichloropropane	7.69	63	1303333	10.682	ppbv	97
40) 1,4-Dioxane	7.91	88	393532	8.168	ppbv #	1
41) Tetrahydrofuran	6.10	42	844474	8.944	ppbv	98
42) Bromodichloromethane	7.87	83	2315764	8.107	ppbv	94
43) Methyl Methacrylate	8.09	69	1022654	9.543	ppbv	97

Data File : VL034055.D
Acq On : 30 Jul 2019 7:18
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL073019

Quant Time: Jul 30 07:57:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL073019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 30 06:55:18 2019
QLast Update : Tue Jul 30 06:55:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.94	57	4246168	8.506	ppbv	99
45) t-1,3-Dichloropropene	9.36	75	1332029	9.660	ppbv	98
46) cis-1,3-Dichloropropene	8.79	75	1512959	9.763	ppbv	99
47) 1,1,2-Trichloroethane	9.57	97	1115599	8.790	ppbv	99
48) Dibromochloromethane	10.40	129	1963724	8.104	ppbv	99
49) Bromoform	13.15	173	1860402	8.807	ppbv	99
50) 4-Methyl-2-Pentanone	8.82	43	2526309	9.155	ppbv	99
51) 2-Hexanone	10.22	43	2075565	9.044	ppbv #	99
52) Tetrachloroethene	11.32	164	1053241	8.934	ppbv	98
53) Toluene	9.89	91	3090175	9.851	ppbv	99
54) 1,2-Dibromoethane	10.71	107	1721955	9.141	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.23	131	1402077	7.562	ppbv	97
57) Chlorobenzene	12.25	112	2414619	7.511	ppbv	99
58) Ethyl Benzene	12.81	91	4289441	8.735	ppbv	100
59) m/p-Xylene	13.10	91	3656629	8.191	ppbv #	34
60) o-Xylene	13.79	91	3573124	8.053	ppbv	100
61) Styrene	13.63	104	2565950	8.758	ppbv	99
62) Isopropylbenzene	14.77	105	4742529	7.978	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.79	83	2523055	7.410	ppbv	100
64) n-propylbenzene	15.67	120	1193842	7.756	ppbv	97
65) tert-Butylbenzene	16.86	119	4248520	7.753	ppbv	99
66) Benzyl Chloride	17.10	91	1944587	7.072	ppbv	100
67) sec-Butylbenzene	17.41	105	6045160	7.761	ppbv	100
69) p-Isopropyltoluene	17.77	119	4956384	7.807	ppbv	99
70) n-Butylbenzene	18.66	91	5293981	7.877	ppbv	99
71) 2-Chlorotoluene	15.56	91	3629311	8.410	ppbv	100
72) 4-Ethyltoluene	15.95	105	4089469	8.151	ppbv	99
73) 1,3,5-Trimethylbenzene	16.11	105	3947918	7.732	ppbv	99
74) 1,2,4-Trimethylbenzene	16.87	105	4060280	7.239	ppbv #	85
75) 1,3-Dichlorobenzene	17.11	146	2380459	6.803	ppbv	99
76) 1,4-Dichlorobenzene	17.25	146	2352242	7.122	ppbv	100
77) 1,2-Dichlorobenzene	17.94	146	2330739	7.234	ppbv	98
78) Hexachloro-1,3-Butadiene	23.49	225	1750840	5.907	ppbv	98
79) Naphthalene	22.34	128	3523532	7.207	ppbv	97
80) Naphthalene,2-methyl-	25.07	142	674210	3.955	ppbv	99
81) 1,2,4-Trichlorobenzene	22.07	180	953643	3.025	ppbv #	1

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

Data File : VL034055.D

Acq On : 30 Jul 2019 7:18

Operator : SY/AP

Sample : VSTDICV010

Misc : 400ml/MSVOA L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL073019

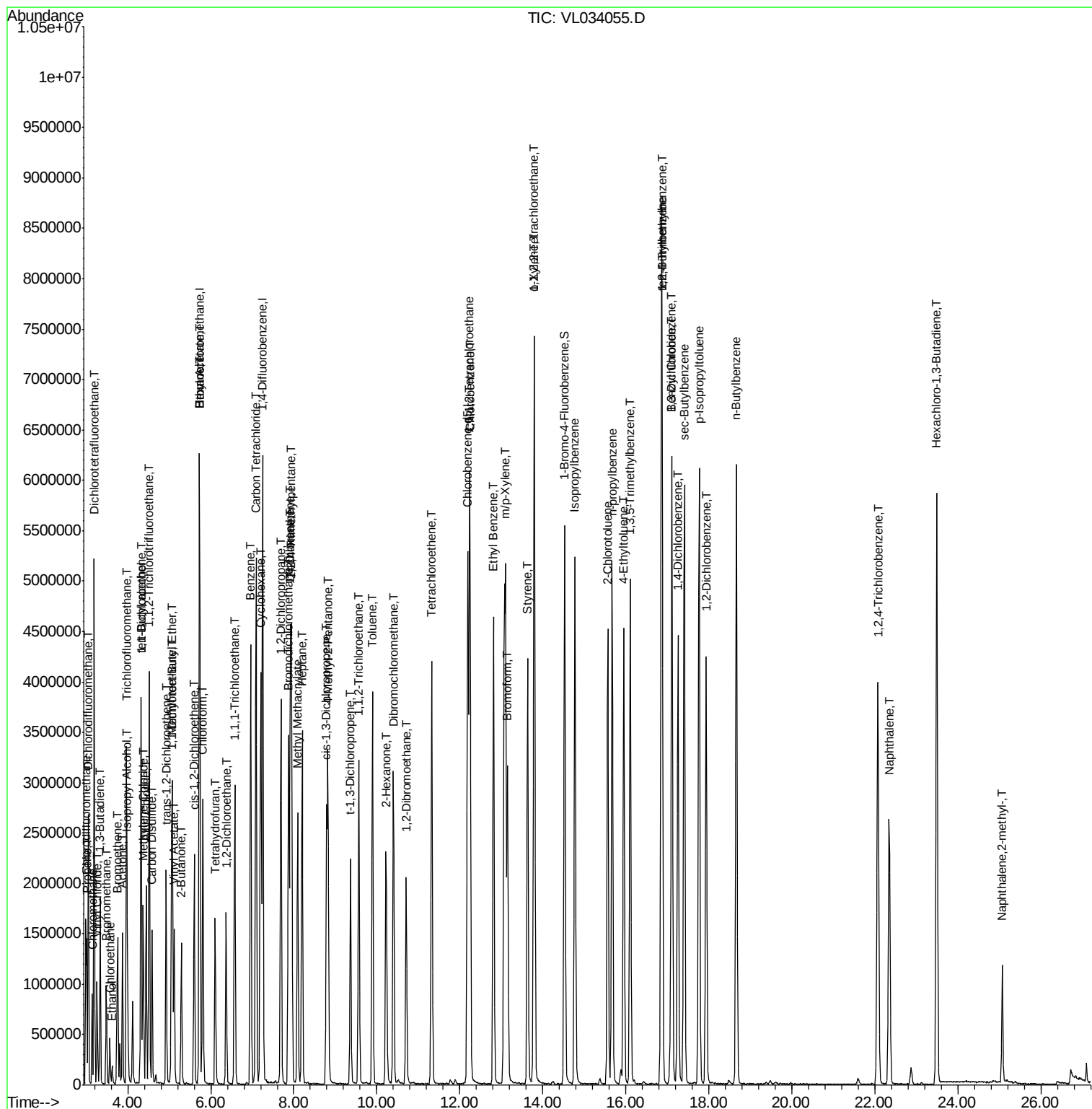
Quant Time: Jul 30 07:57:34 2019

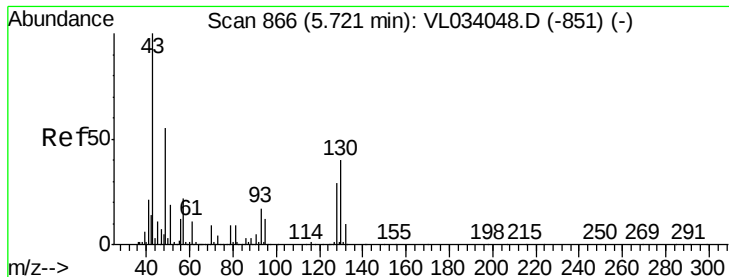
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL073019AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LTue Jul 30 06:55:18 2019

QLast Update : Tue Jul 30 06:55:18 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.72 min Scan# 867

Delta R.T. 0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL073019

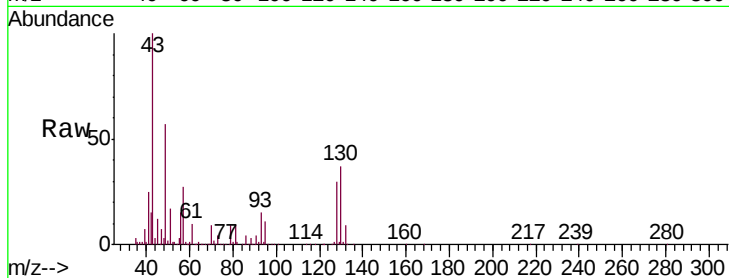
Tgt Ion: 49 Resp: 1222231

Ion Ratio Lower Upper

49 100

128 53.7 27.0 81.0

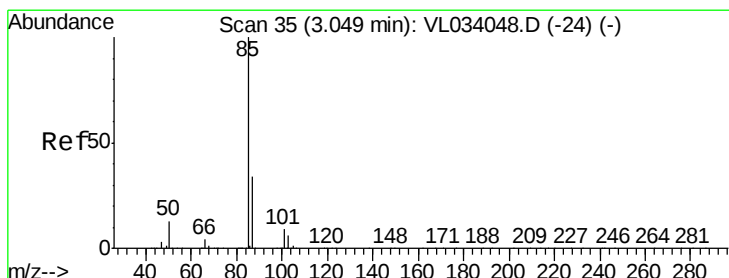
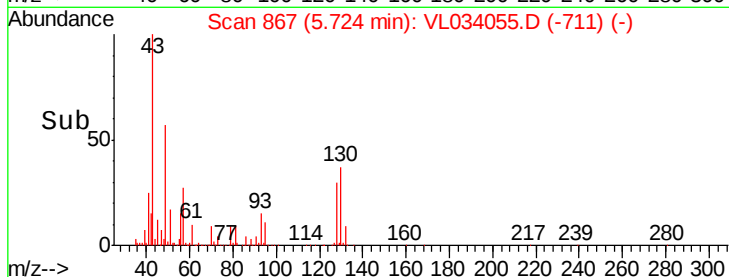
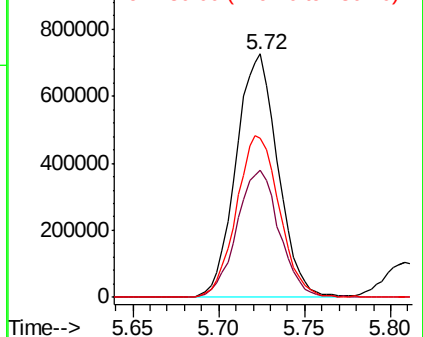
130 69.0 35.0 105.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.088 ppbv

RT: 3.05 min Scan# 36

Delta R.T. 0.00 min

Lab File: VL034055.D

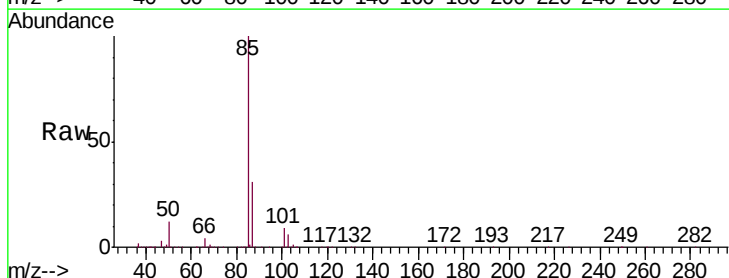
Acq: 30 Jul 2019 7:18

Tgt Ion: 85 Resp: 1898877

Ion Ratio Lower Upper

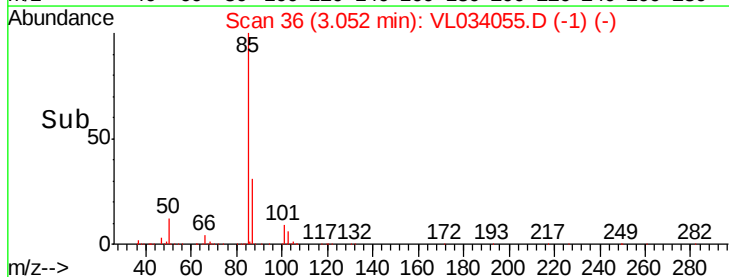
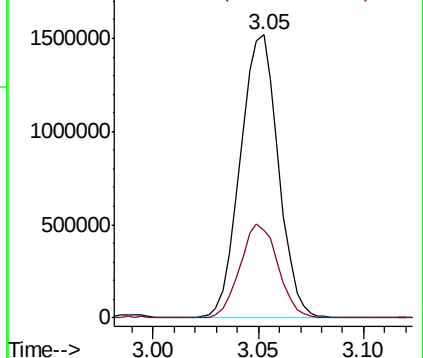
85 100

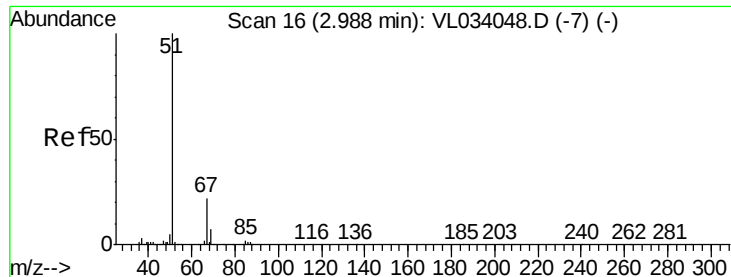
87 31.1 27.0 40.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

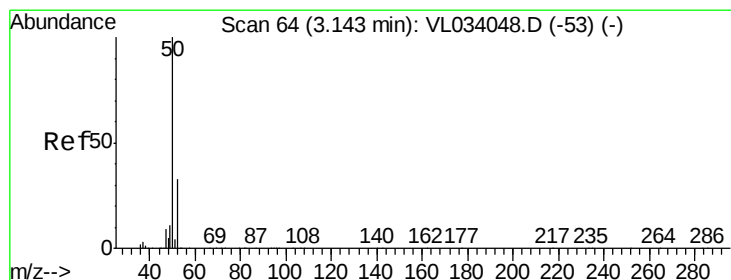
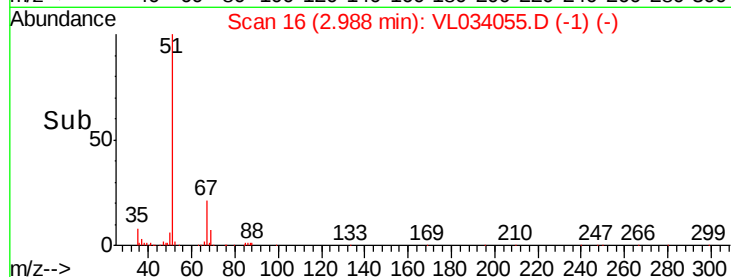
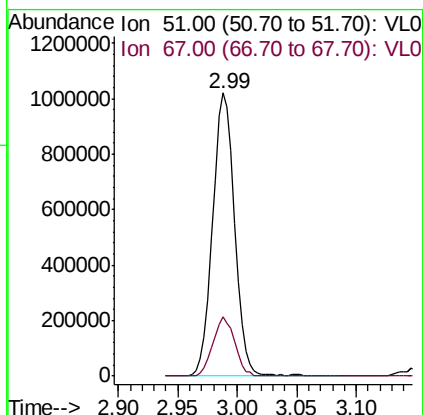
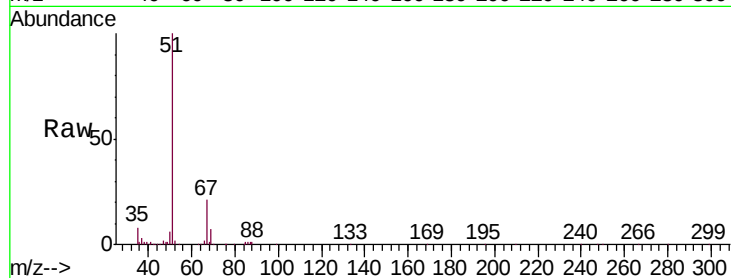




#3
Chlorodifluoromethane
Concen: 9.219 ppbv
RT: 2.99 min Scan# 16
Delta R.T. -0.00 min
Lab File: VL034055.D
Acq: 30 Jul 2019 7:18

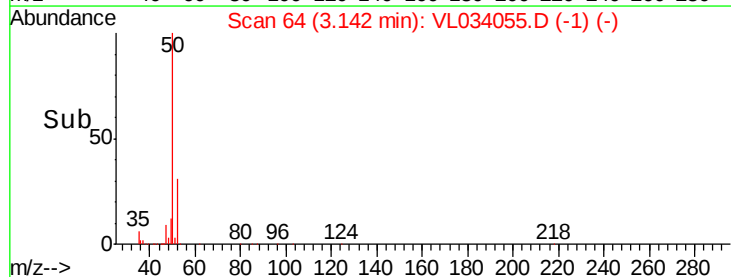
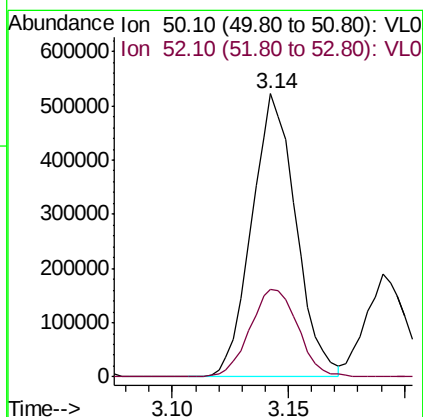
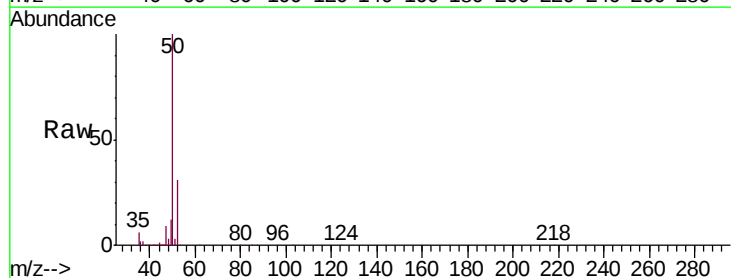
Instrument :
MSVOA_L
ClientSampleId :
ICVVL073019

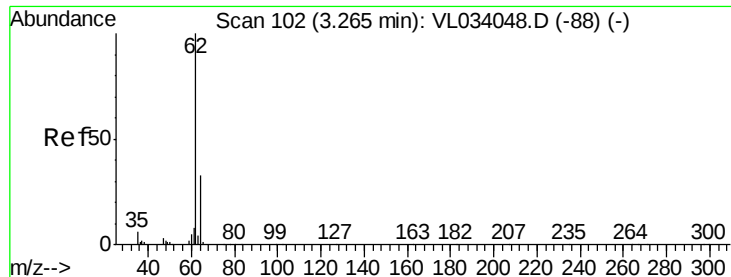
Tgt Ion: 51 Resp: 1300654
Ion Ratio Lower Upper
51 100
67 20.7 17.4 26.0



#4
Chloromethane
Concen: 8.386 ppbv
RT: 3.14 min Scan# 64
Delta R.T. -0.00 min
Lab File: VL034055.D
Acq: 30 Jul 2019 7:18

Tgt Ion: 50 Resp: 693961
Ion Ratio Lower Upper
50 100
52 31.1 26.7 40.1





#5

Vinyl Chloride

Concen: 8.313 ppbv

RT: 3.26 min Scan# 102

Delta R.T. -0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

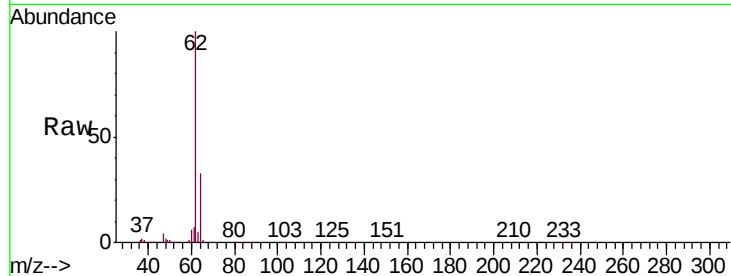
ICVVL073019

Tgt Ion: 62 Resp: 758081

Ion Ratio Lower Upper

62 100

64 33.3 26.5 39.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

600000

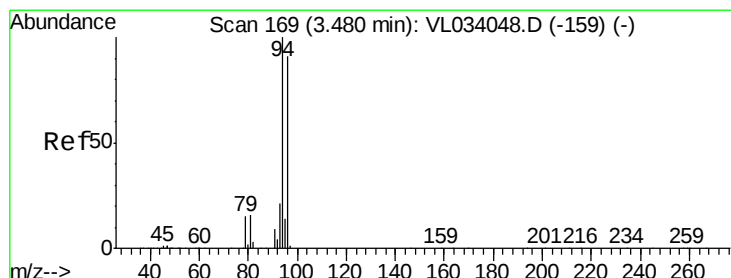
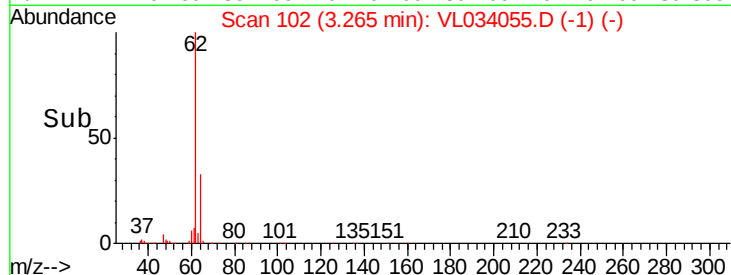
400000

200000

0

3.20 3.25 3.30

Time-->



#6

Bromomethane

Concen: 8.483 ppbv

RT: 3.48 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL034055.D

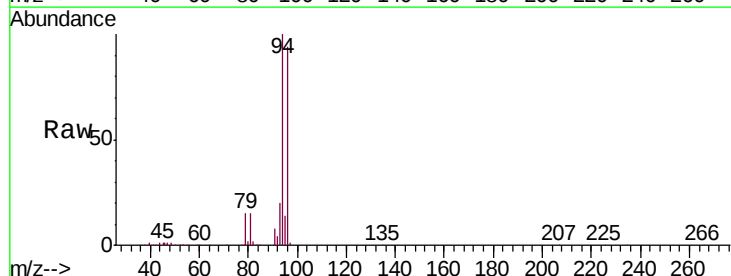
Acq: 30 Jul 2019 7:18

Tgt Ion: 94 Resp: 486958

Ion Ratio Lower Upper

94 100

96 93.4 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

400000

300000

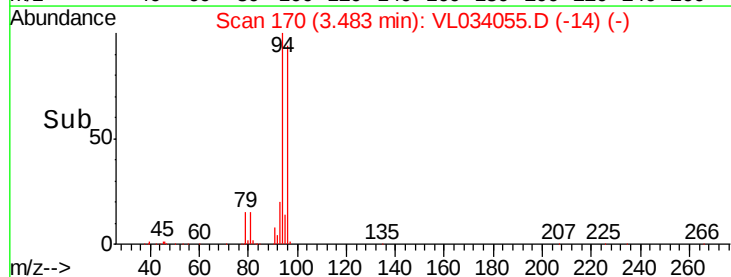
200000

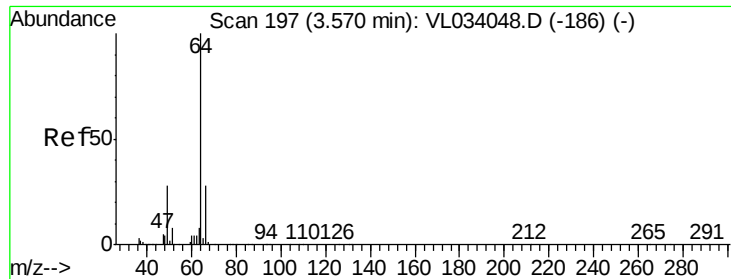
100000

0

3.45 3.50 3.55

Time-->





#7

Chloroethane

Concen: 7.993 ppbv

RT: 3.57 min Scan# 196

Delta R.T. -0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

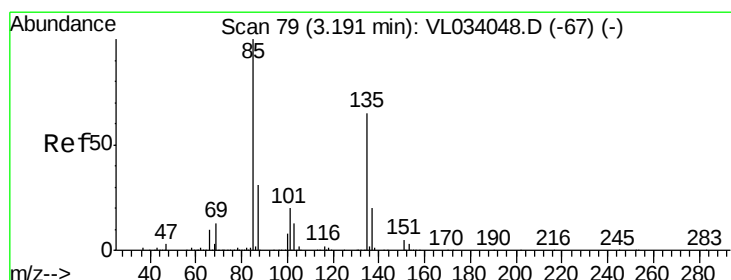
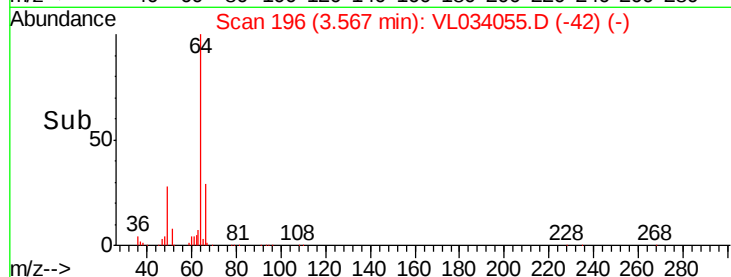
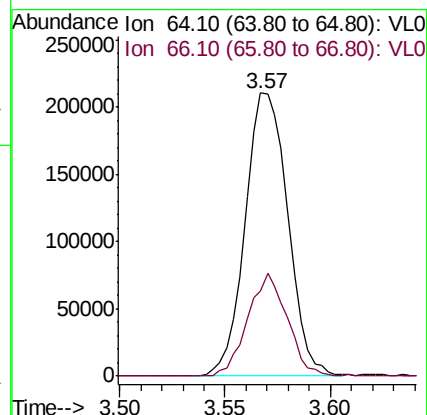
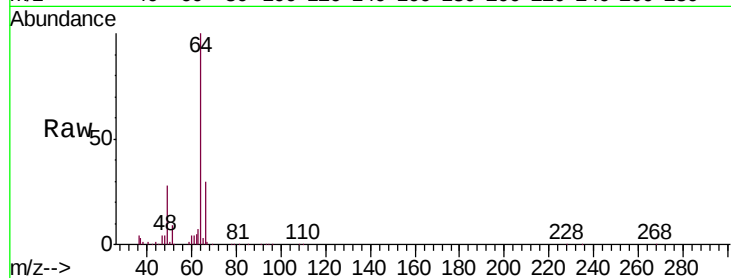
ICVVL073019

Tgt Ion: 64 Resp: 295376

Ion Ratio Lower Upper

64 100

66 30.1 22.0 33.0



#8

Dichlorotetrafluoroethane

Concen: 8.201 ppbv

RT: 3.19 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL034055.D

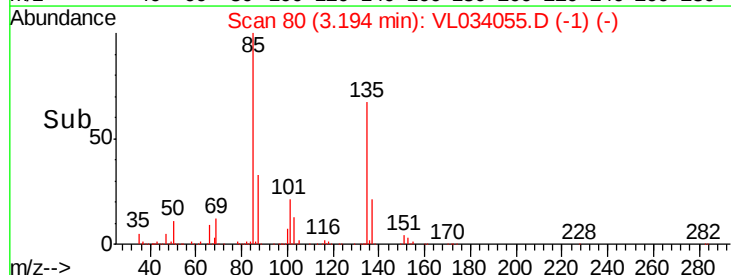
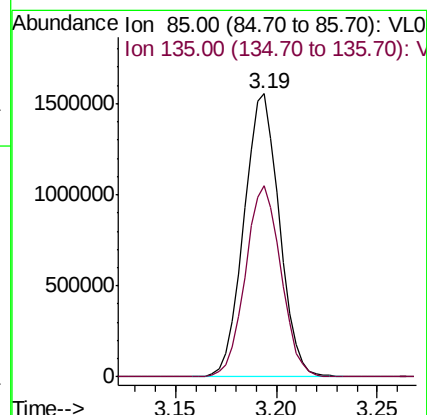
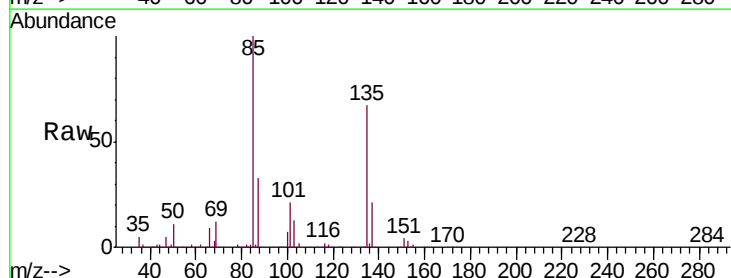
Acq: 30 Jul 2019 7:18

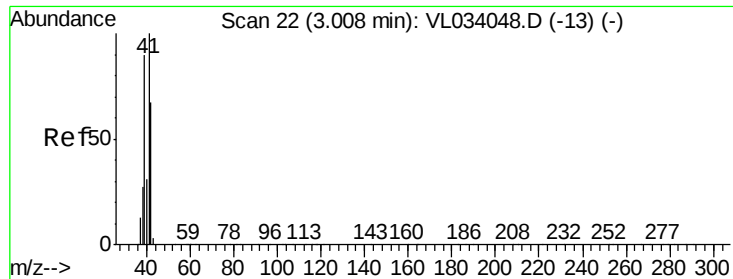
Tgt Ion: 85 Resp: 1917880

Ion Ratio Lower Upper

85 100

135 68.1 54.1 81.1





#9

Propene

Concen: 9.858 ppbv

RT: 3.01 min Scan# 23

Delta R.T. 0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

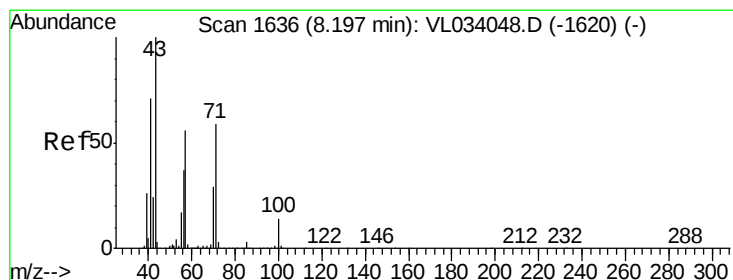
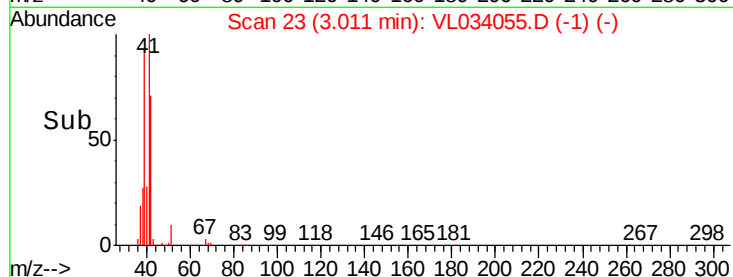
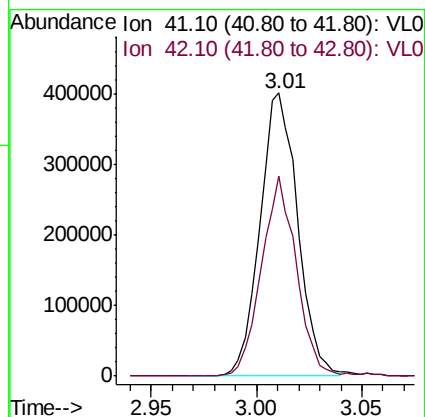
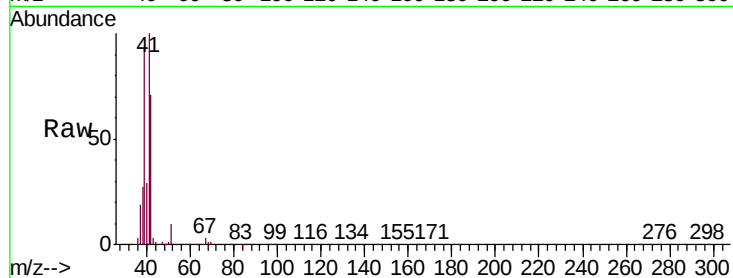
ICVVL073019

Tgt Ion: 41 Resp: 499293

Ion Ratio Lower Upper

41 100

42 66.2 55.4 83.2



#10

Heptane

Concen: 10.463 ppbv

RT: 8.20 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VL034055.D

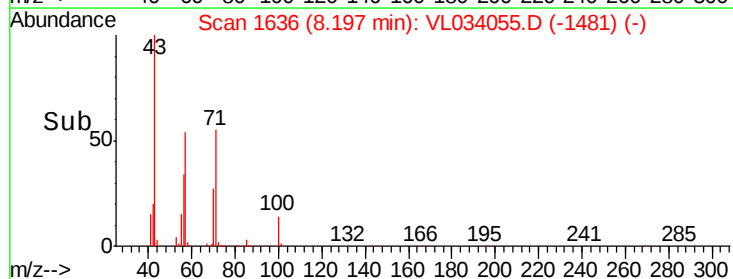
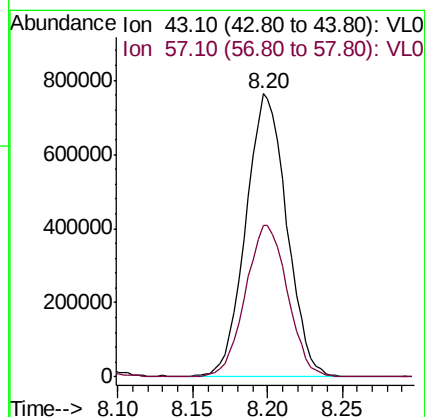
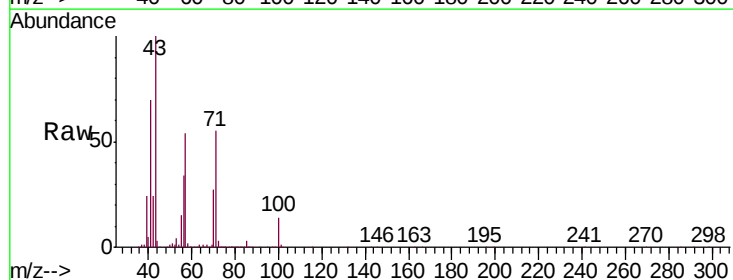
Acq: 30 Jul 2019 7:18

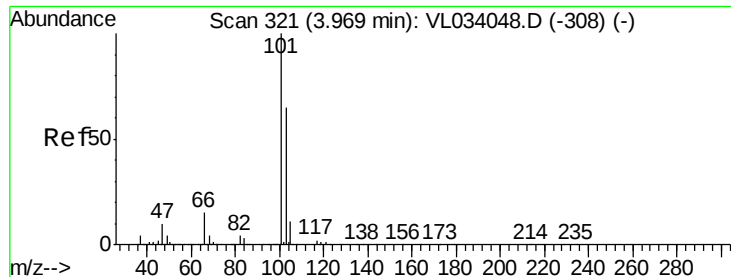
Tgt Ion: 43 Resp: 1445335

Ion Ratio Lower Upper

43 100

57 55.5 44.8 67.2





#11

Trichlorofluoromethane

Concen: 7.962 ppbv

RT: 3.97 min Scan# 322

Delta R.T. 0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

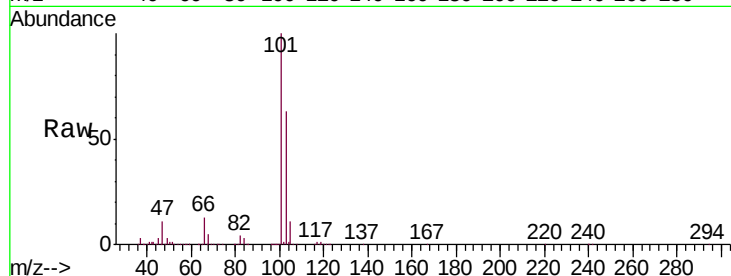
ICVVL073019

Tgt Ion:101 Resp: 2078832

Ion Ratio Lower Upper

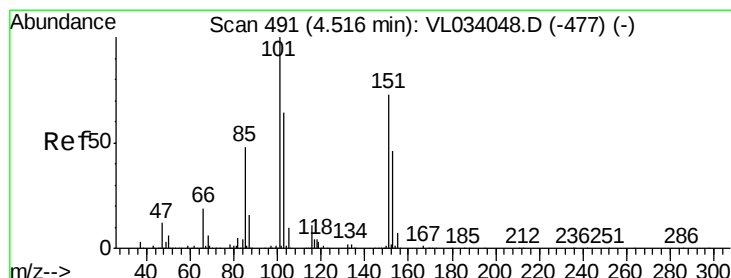
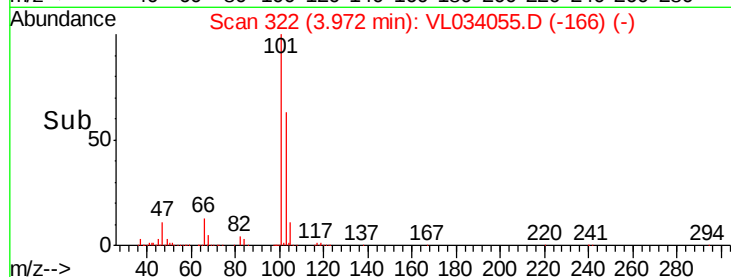
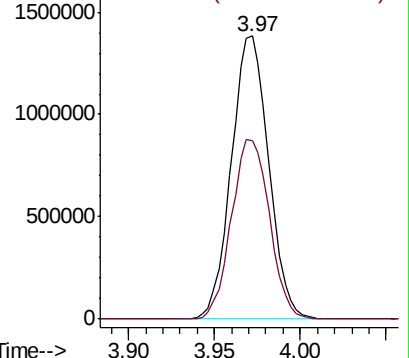
101 100

103 63.1 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.552 ppbv

RT: 4.52 min Scan# 492

Delta R.T. 0.00 min

Lab File: VL034055.D

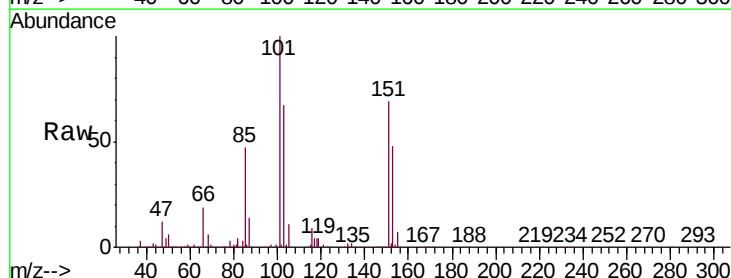
Acq: 30 Jul 2019 7:18

Tgt Ion:101 Resp: 1501941

Ion Ratio Lower Upper

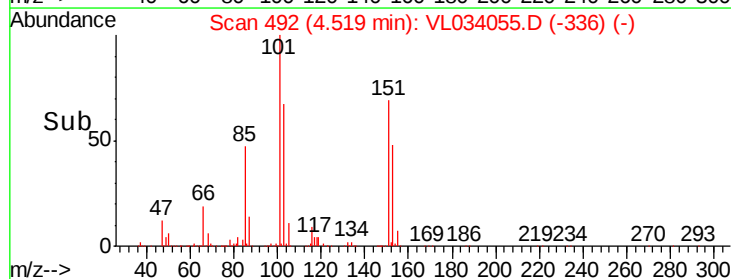
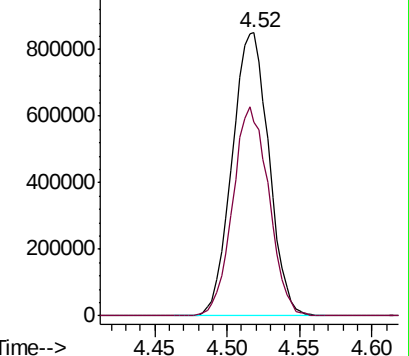
101 100

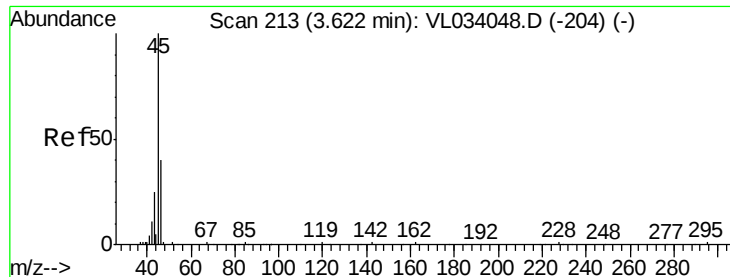
151 72.5 57.3 85.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.035 ppbv

RT: 3.62 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

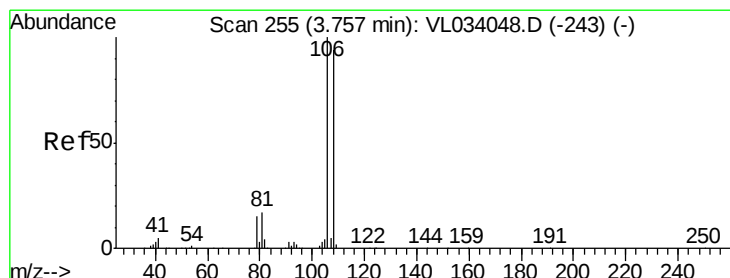
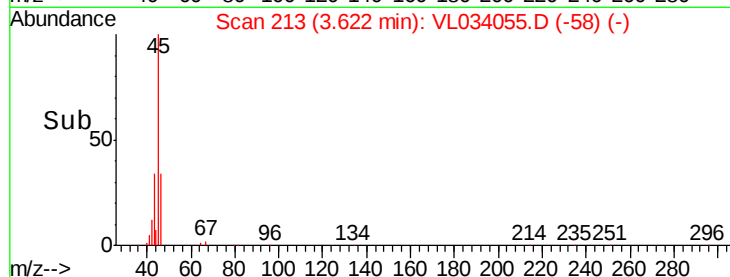
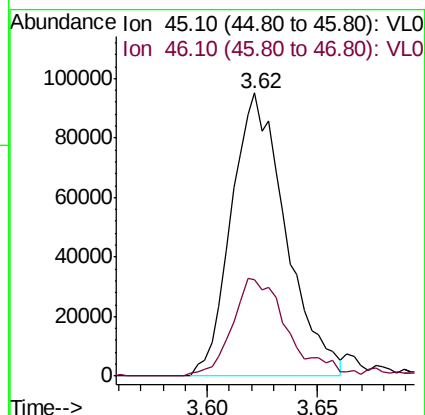
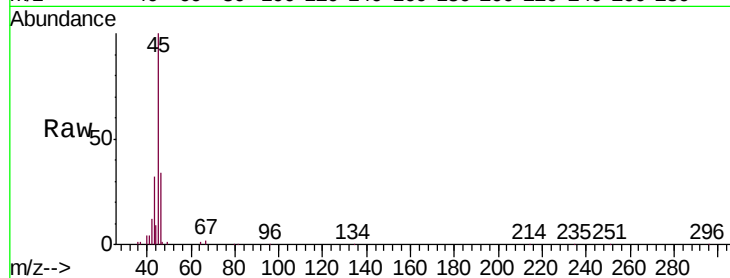
ICVVL073019

Tgt Ion: 45 Resp: 161984

Ion Ratio Lower Upper

45 100

46 37.1 15.6 62.2



#14

Bromoethene

Concen: 8.545 ppbv

RT: 3.76 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

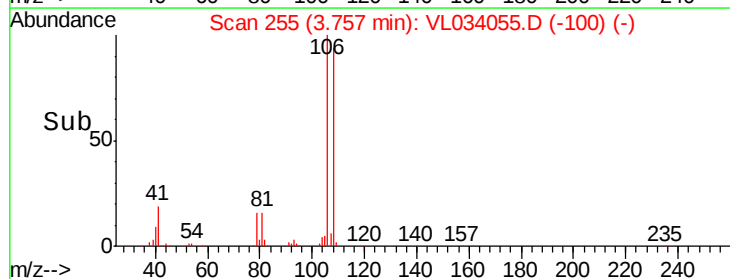
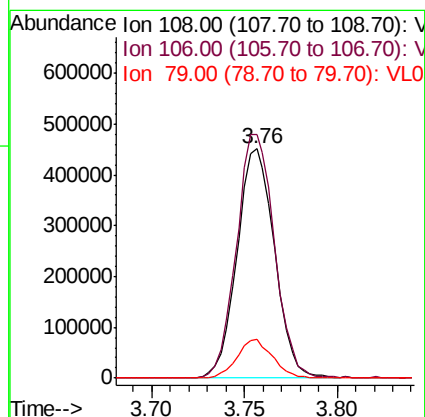
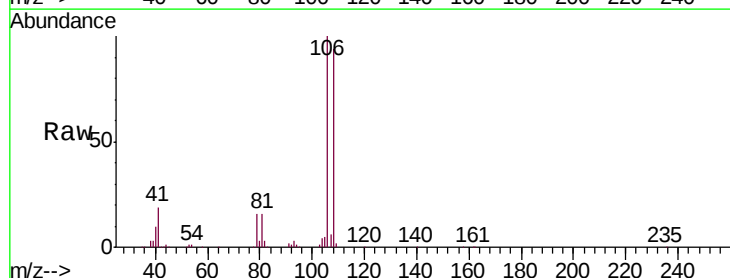
Tgt Ion: 108 Resp: 633741

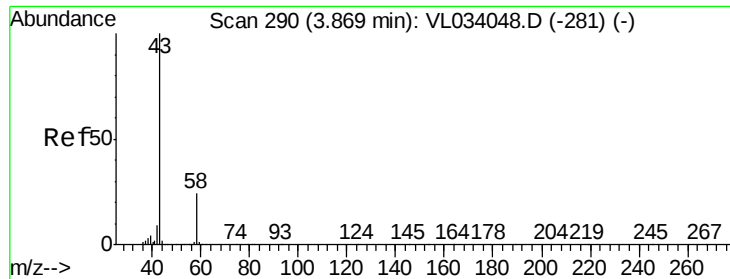
Ion Ratio Lower Upper

108 100

106 108.1 86.2 129.2

79 16.3 13.7 20.5

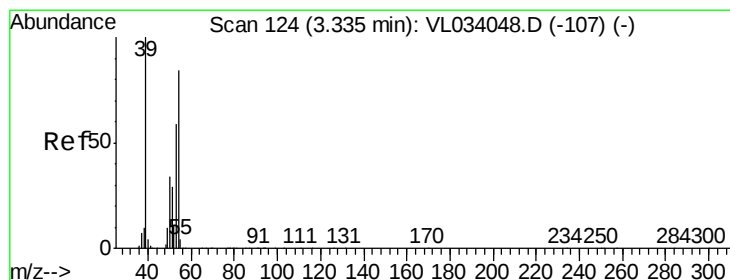
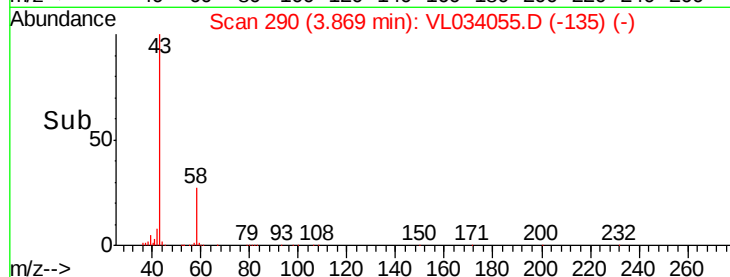
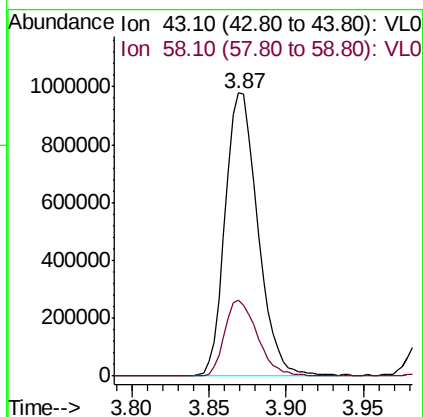
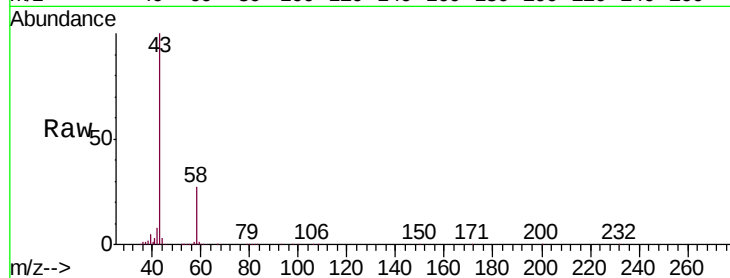




#15
Acetone
Concen: 7.733 ppbv
RT: 3.87 min Scan# 290
Delta R.T. -0.00 min
Lab File: VL034055.D
Acq: 30 Jul 2019 7:18

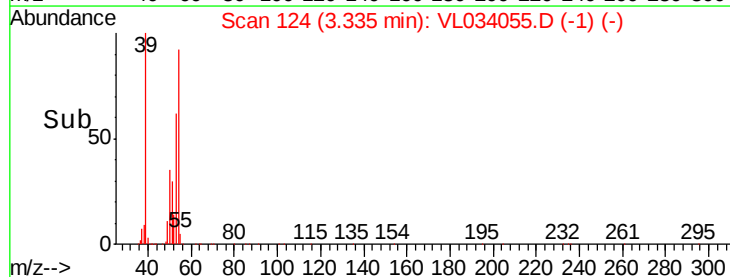
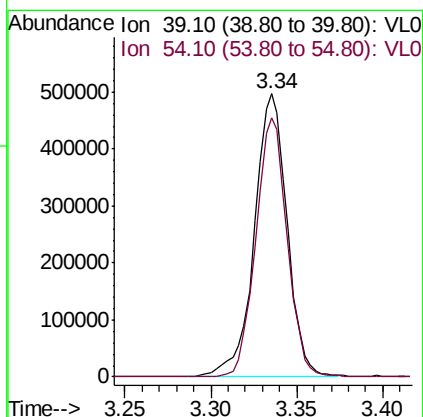
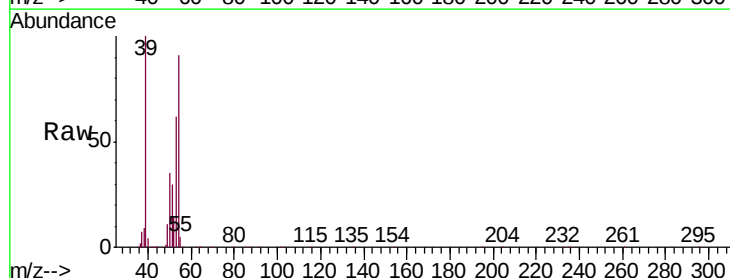
Instrument :
MSVOA_L
ClientSampleId :
ICVVL073019

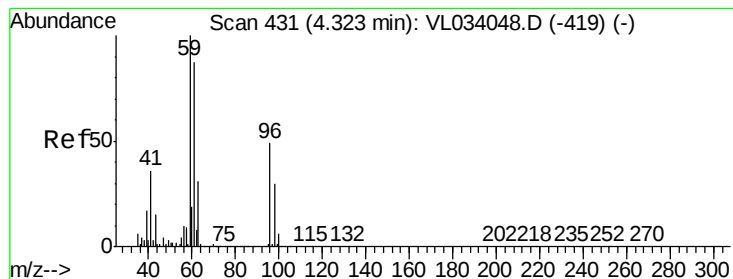
Tgt Ion: 43 Resp: 1436938
Ion Ratio Lower Upper
43 100
58 26.9 21.6 32.4



#16
1,3-Butadiene
Concen: 9.041 ppbv
RT: 3.34 min Scan# 124
Delta R.T. -0.00 min
Lab File: VL034055.D
Acq: 30 Jul 2019 7:18

Tgt Ion: 39 Resp: 652406
Ion Ratio Lower Upper
39 100
54 88.0 68.9 103.3





#17

tert-Butyl alcohol

Concen: 9.568 ppbv

RT: 4.32 min Scan# 431

Delta R.T. -0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

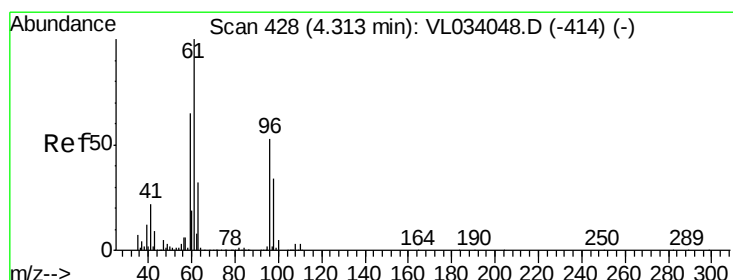
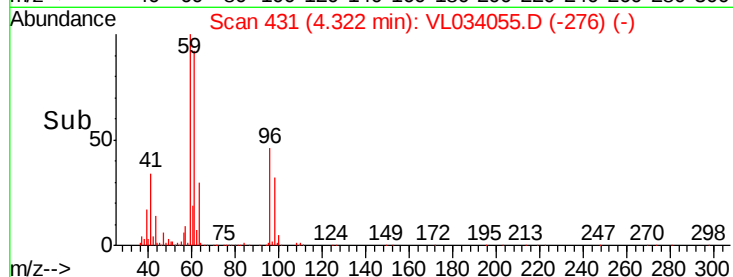
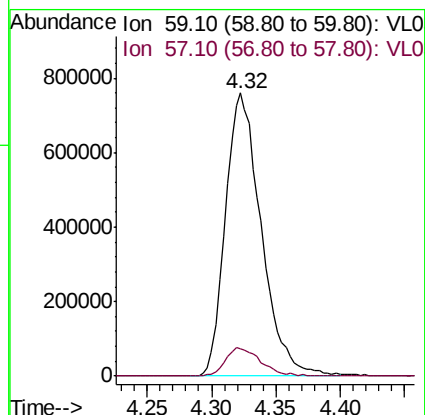
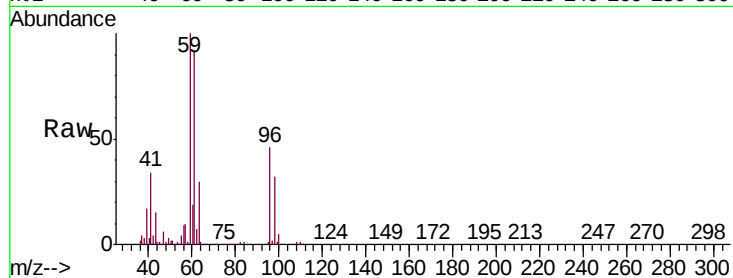
ICVVL073019

Tgt Ion: 59 Resp: 1461826

Ion Ratio Lower Upper

59 100

57 10.1 8.2 12.4



#18

1,1-Dichloroethene

Concen: 8.477 ppbv

RT: 4.32 min Scan# 429

Delta R.T. 0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

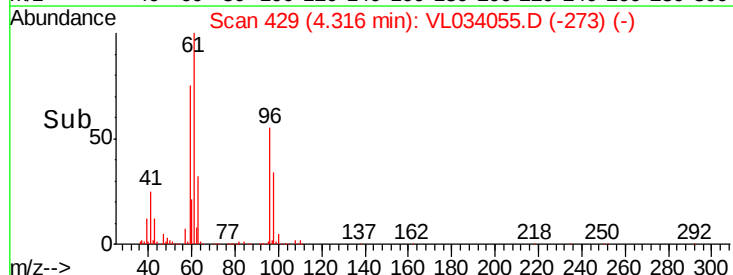
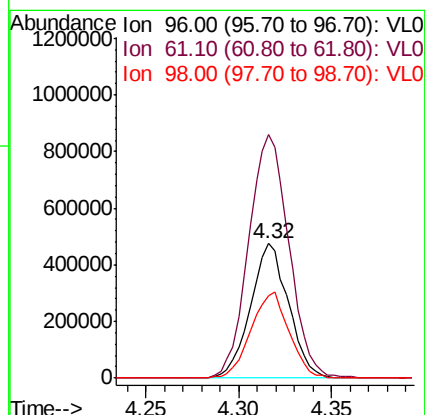
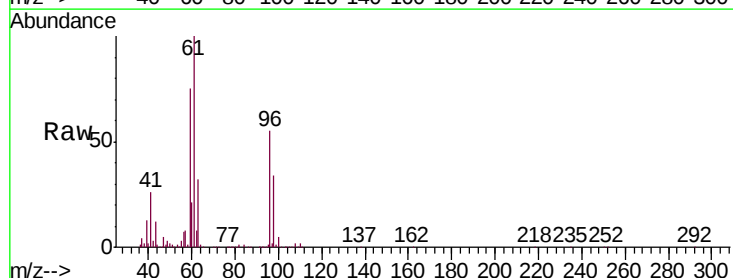
Tgt Ion: 96 Resp: 674510

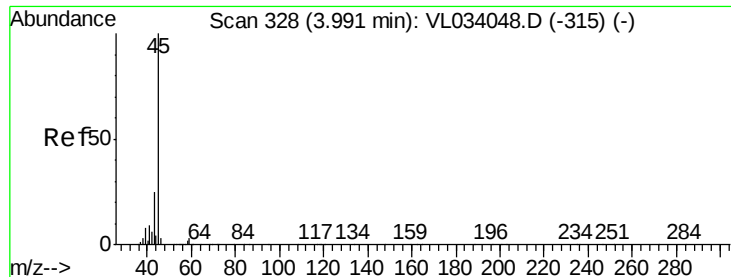
Ion Ratio Lower Upper

96 100

61 181.1 151.5 227.3

98 61.4 52.2 78.2





#19

Isopropyl Alcohol

Concen: 8.919 ppbv

RT: 3.99 min Scan# 329

Delta R.T. 0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

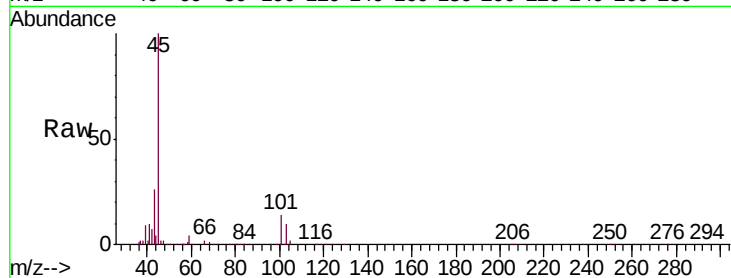
ICVVL073019

Tgt Ion: 45 Resp: 1131907

Ion Ratio Lower Upper

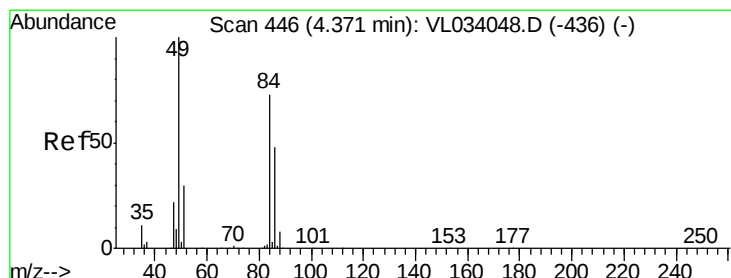
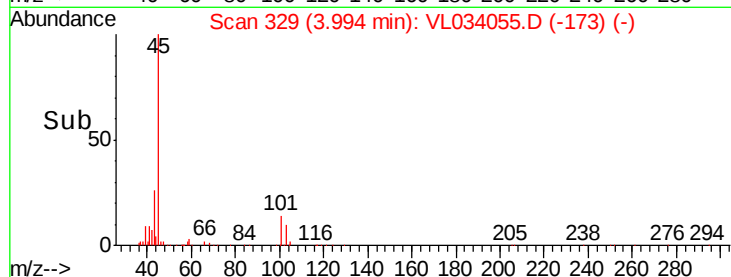
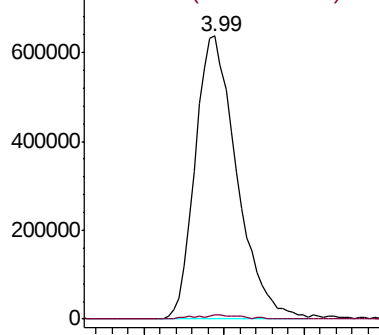
45 100

58 1.7 1.8 2.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.456 ppbv

RT: 4.37 min Scan# 446

Delta R.T. -0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Tgt Ion: 84 Resp: 600964

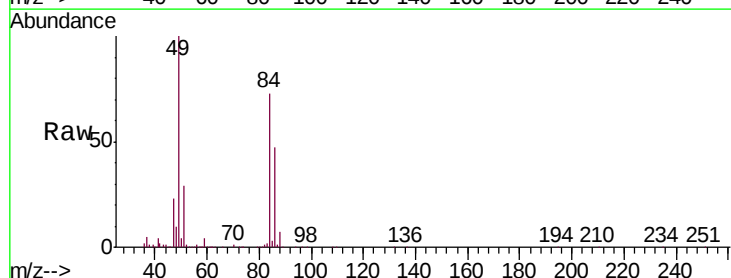
Ion Ratio Lower Upper

84 100

49 134.4 109.6 164.4

51 38.0 33.4 50.2

86 63.5 52.6 78.8

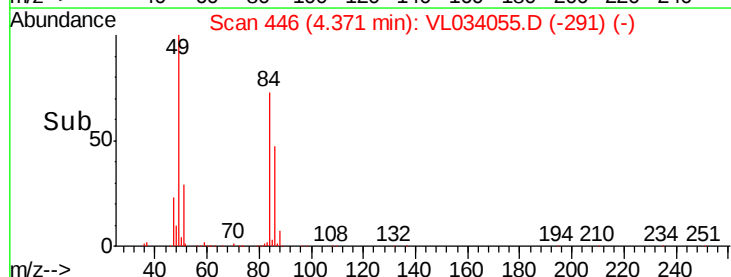
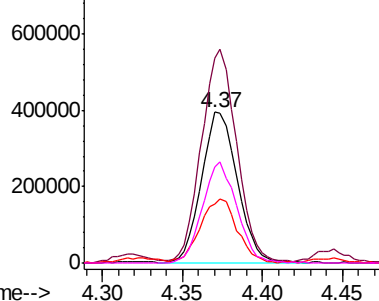


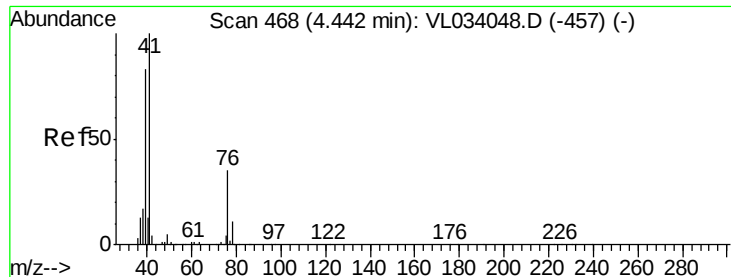
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

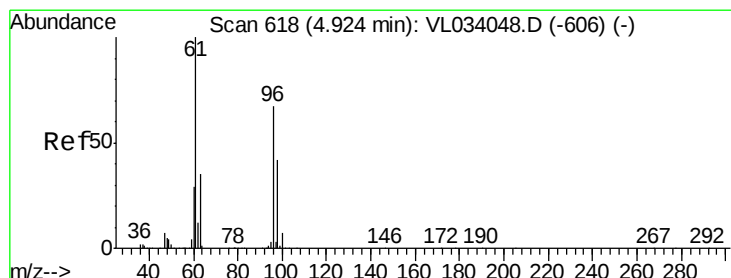
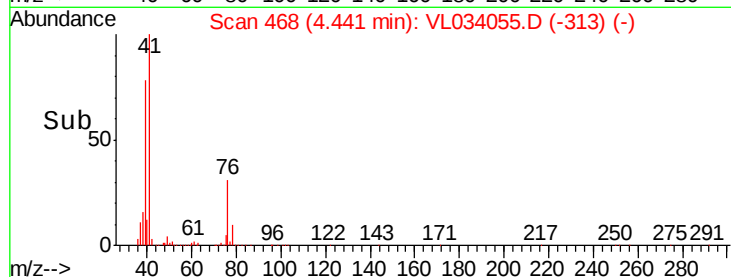
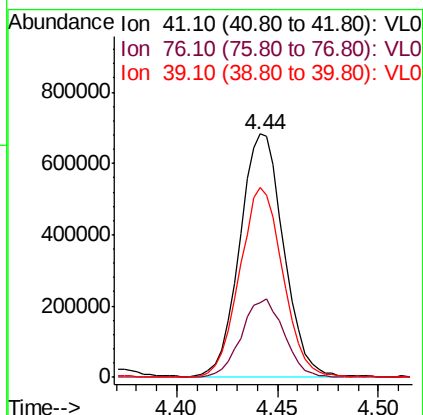
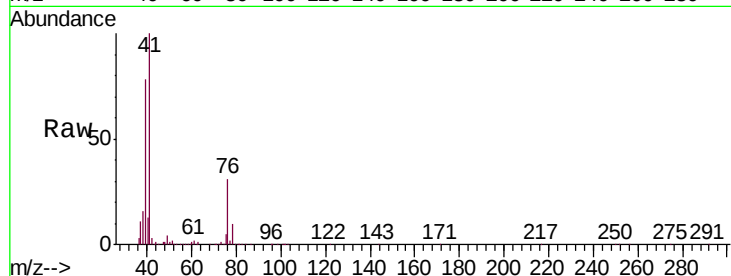




#21
 Allyl Chloride
 Concen: 8.804 ppbv
 RT: 4.44 min Scan# 468
 Delta R.T. -0.00 min
 Lab File: VL034055.D
 Acq: 30 Jul 2019 7:18

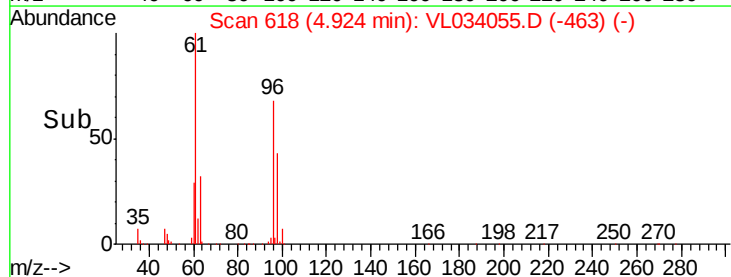
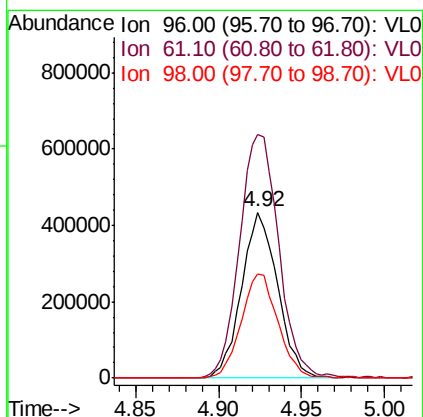
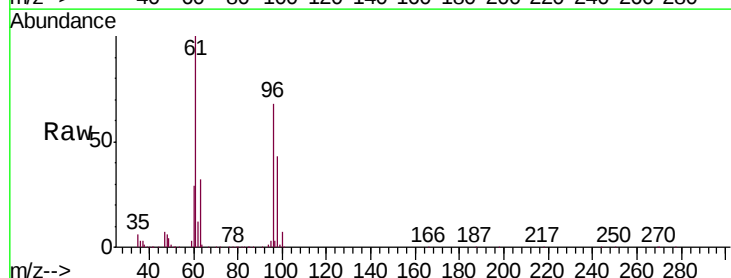
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL073019

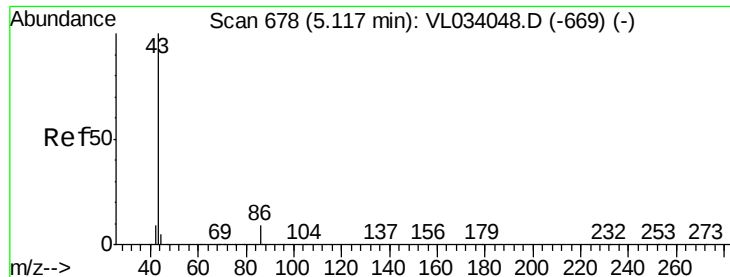
Tgt Ion: 41 Resp: 1032545
 Ion Ratio Lower Upper
 41 100
 76 31.8 26.1 39.1
 39 78.0 65.0 97.6



#22
 trans-1,2-Dichloroethene
 Concen: 7.968 ppbv
 RT: 4.92 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VL034055.D
 Acq: 30 Jul 2019 7:18

Tgt Ion: 96 Resp: 656793
 Ion Ratio Lower Upper
 96 100
 61 146.7 118.6 177.8
 98 62.8 49.7 74.5





#23

Vinyl Acetate

Concen: 9.510 ppbv

RT: 5.12 min Scan# 679

Delta R.T. 0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL073019

Tgt Ion: 43 Resp: 1892471

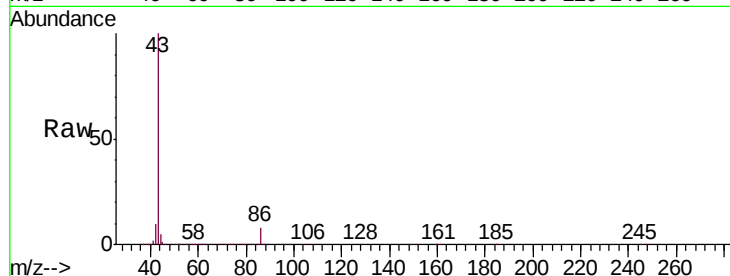
Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7

42 9.6 8.3 12.5

44 4.8 4.0 6.0

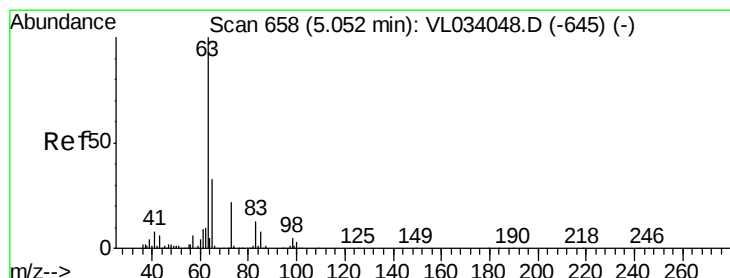
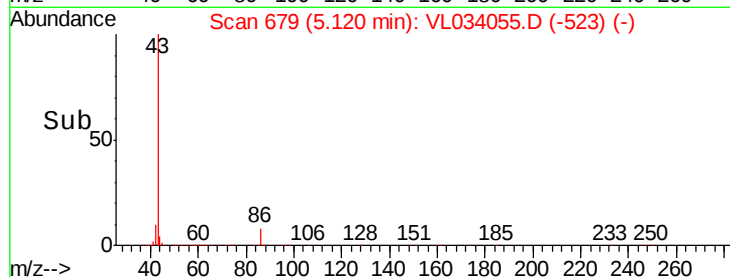
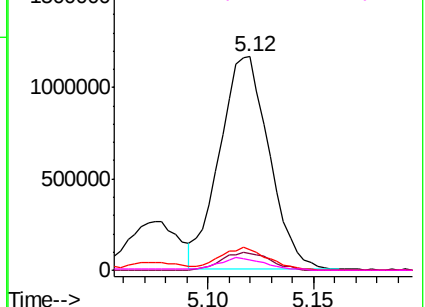


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.476 ppbv

RT: 5.05 min Scan# 658

Delta R.T. -0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

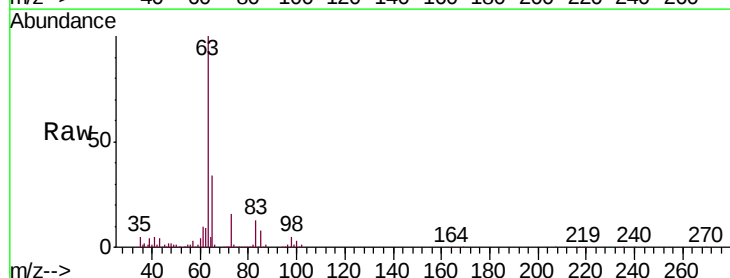
Tgt Ion: 63 Resp: 1498346

Ion Ratio Lower Upper

63 100

98 4.5 2.4 7.2

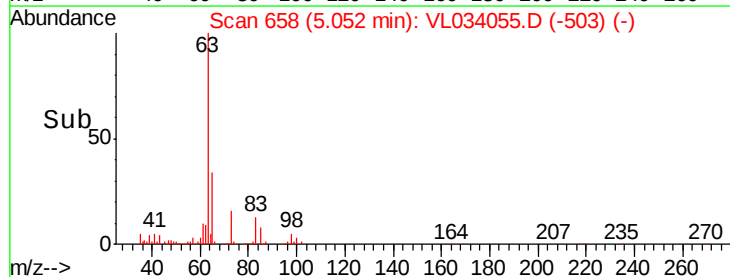
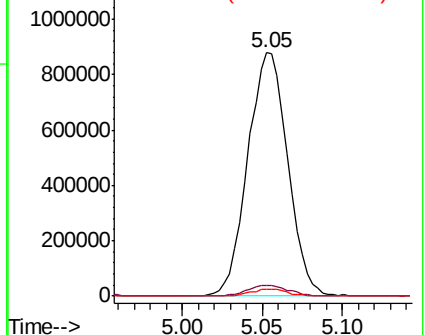
100 2.6 1.3 3.9

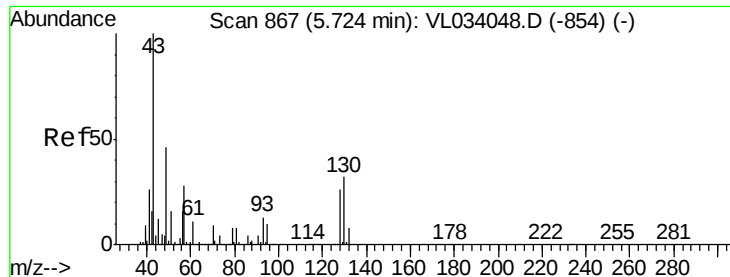


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



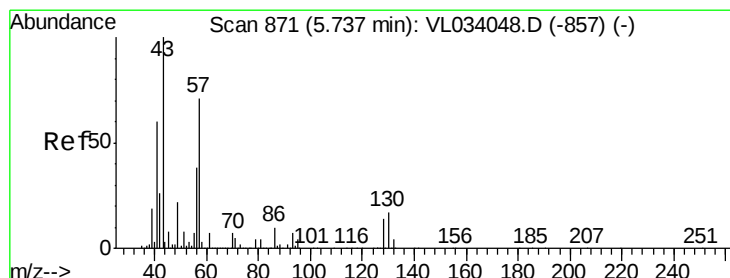
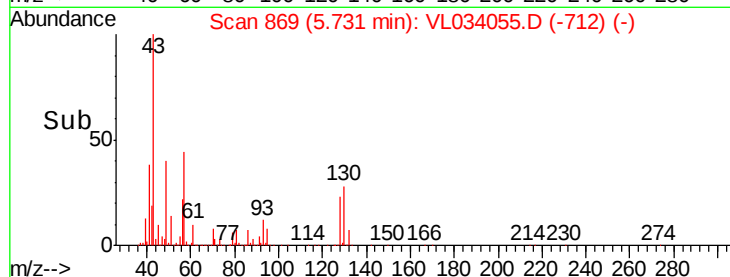
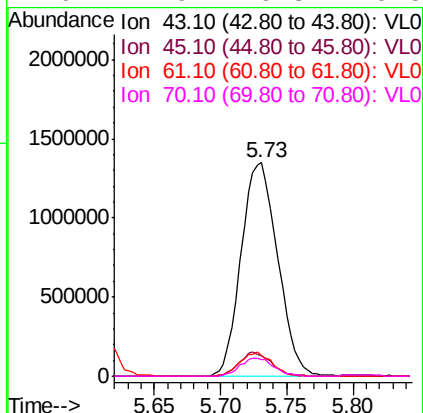
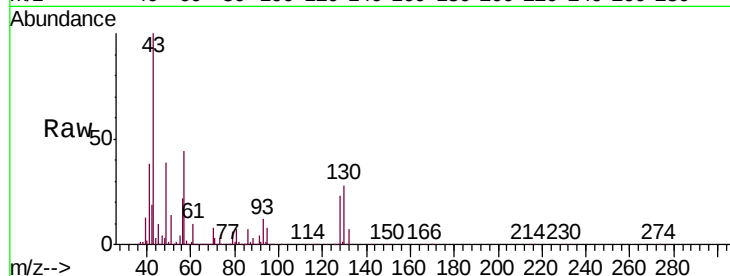


#25
Ethyl Acetate
Concen: 9.378 ppbv
RT: 5.73 min Scan# 869
Delta R.T. 0.01 min
Lab File: VL034055.D
Acq: 30 Jul 2019 7:18

Instrument :
MSVOA_L
ClientSampleId :
ICVVL073019

Tgt Ion: 43 Resp: 2590506

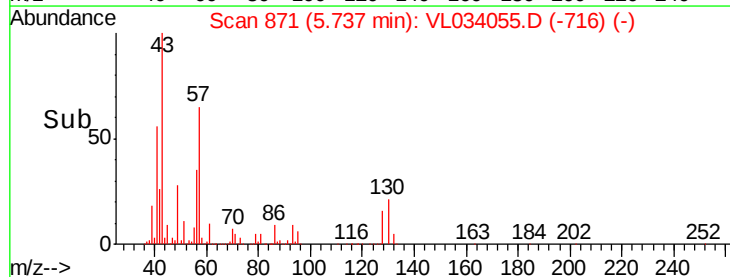
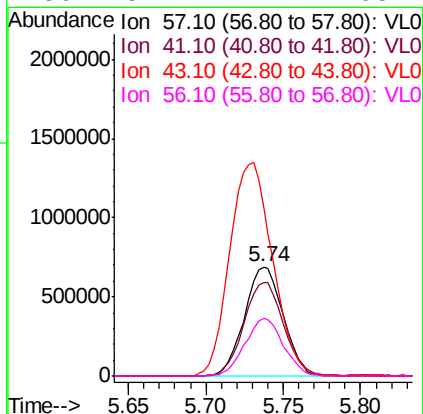
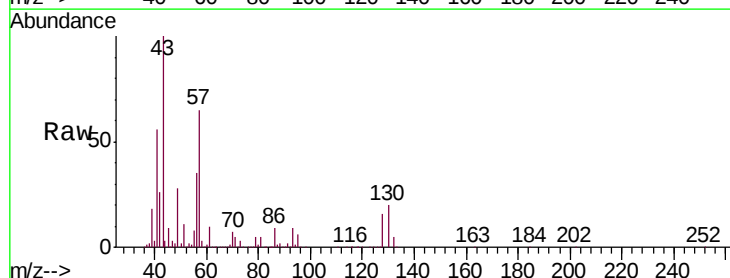
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.1	12.1
61	9.8	8.1	12.1
70	7.9	6.3	9.5

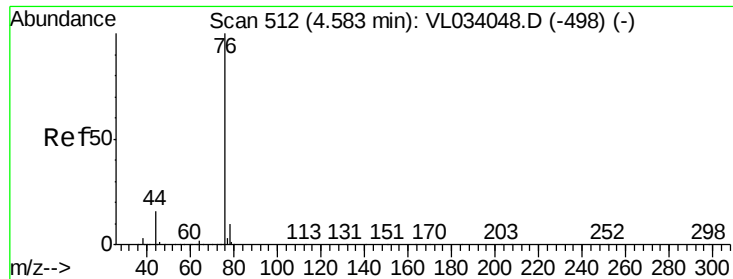


#26
Hexane
Concen: 9.596 ppbv
RT: 5.74 min Scan# 871
Delta R.T. -0.00 min
Lab File: VL034055.D
Acq: 30 Jul 2019 7:18

Tgt Ion: 57 Resp: 1199051

Ion	Ratio	Lower	Upper
57	100		
41	88.4	69.0	103.6
43	217.5	176.6	264.8
56	52.7	42.2	63.4





#27

Carbon Disulfide

Concen: 8.977 ppbv

RT: 4.58 min Scan# 512

Delta R.T. -0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL073019

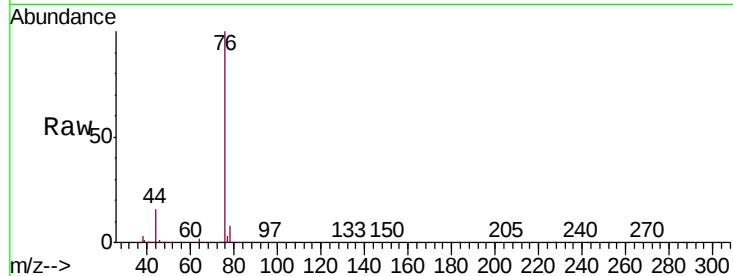
Tgt Ion: 76 Resp: 1746661

Ion Ratio Lower Upper

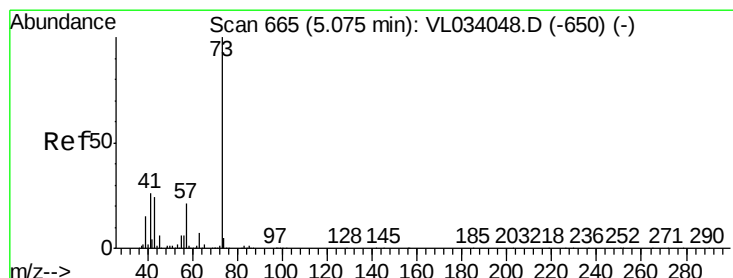
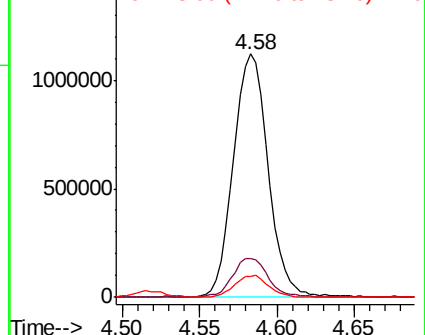
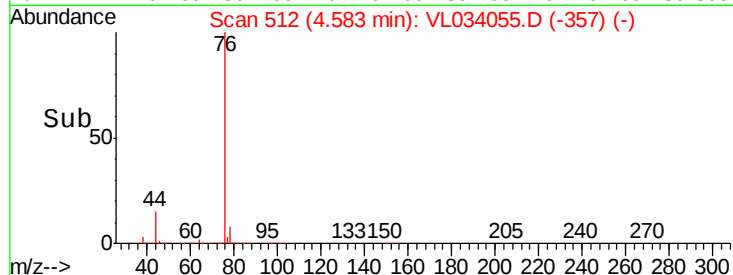
76 100

44 16.3 13.0 19.4

78 8.8 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VL0
1500000 Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.103 ppbv

RT: 5.07 min Scan# 665

Delta R.T. -0.00 min

Lab File: VL034055.D

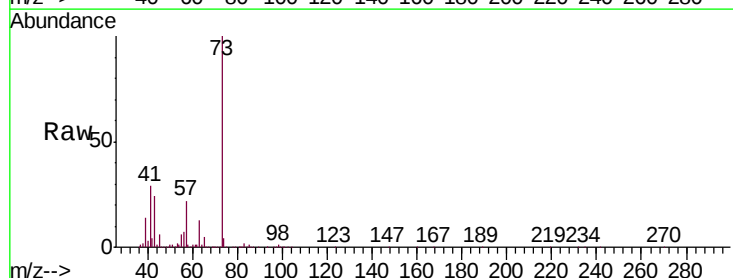
Acq: 30 Jul 2019 7:18

Tgt Ion: 73 Resp: 1935795

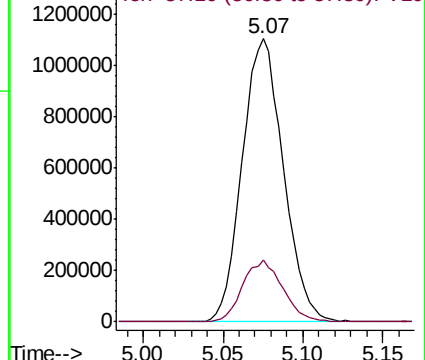
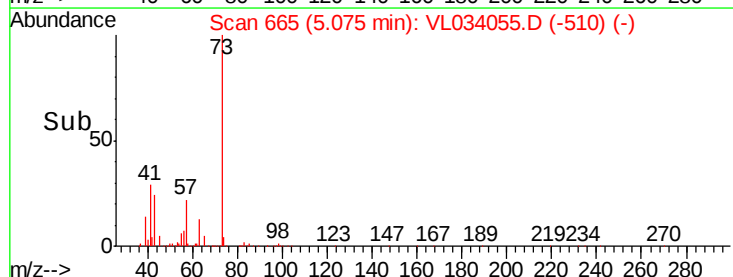
Ion Ratio Lower Upper

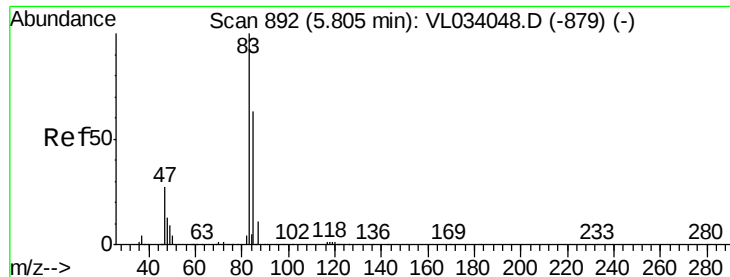
73 100

57 21.5 17.2 25.8



Abundance Ion 73.10 (72.80 to 73.80): VL0
1200000 Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 8.782 ppbv

RT: 5.81 min Scan# 893

Delta R.T. 0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

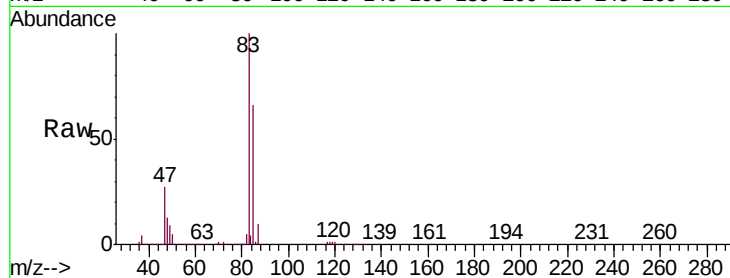
ICVVL073019

Tgt Ion: 83 Resp: 2004204

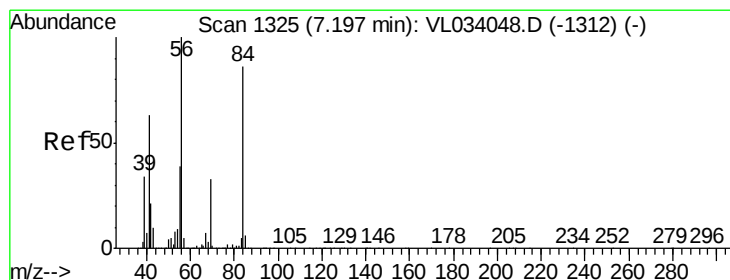
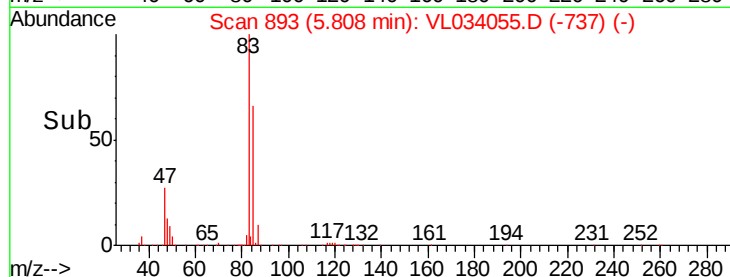
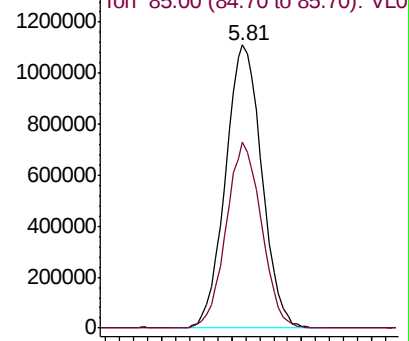
Ion Ratio Lower Upper

83 100

85 65.5 50.2 75.4



Abundance Ion 83.00 (82.70 to 83.70): VL0



#30

Cyclohexane

Concen: 11.733 ppbv

RT: 7.20 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

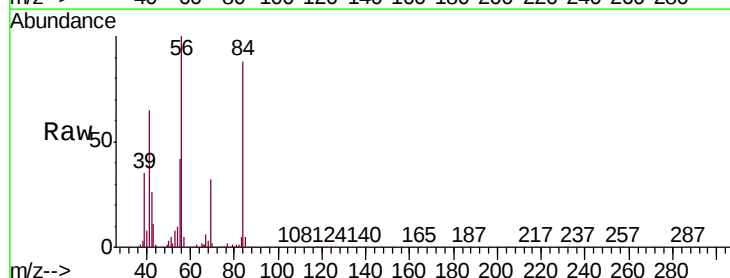
Tgt Ion: 84 Resp: 1489523

Ion Ratio Lower Upper

84 100

56 128.2 101.7 152.5

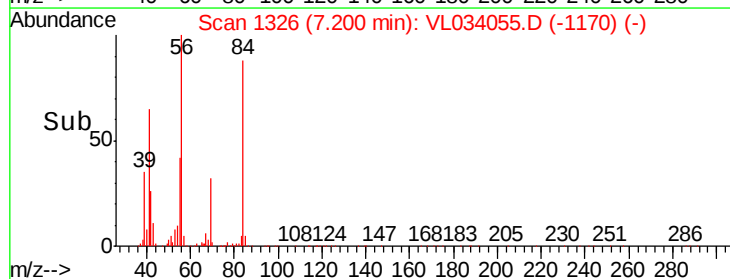
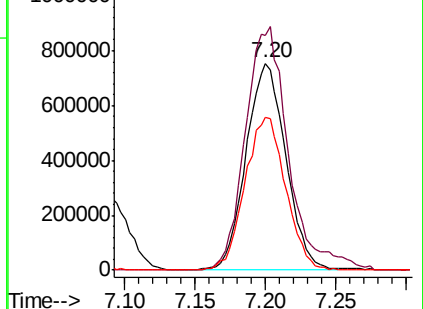
41 75.7 59.4 89.0

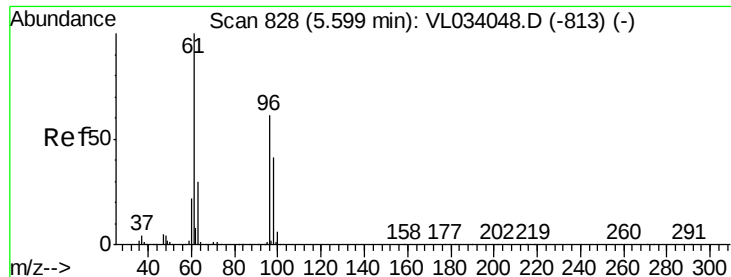


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



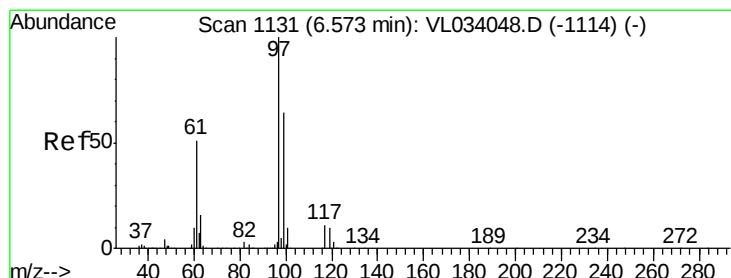
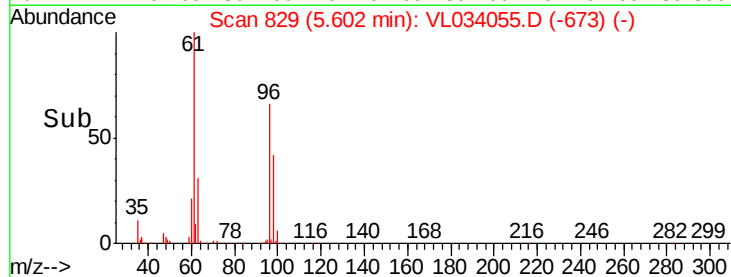
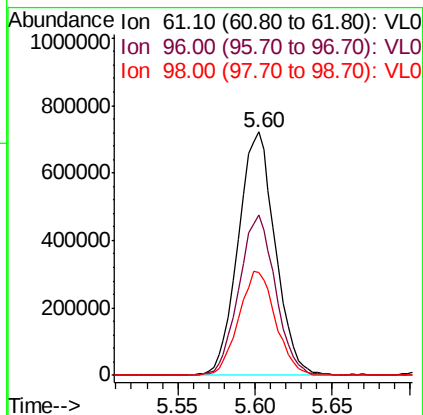
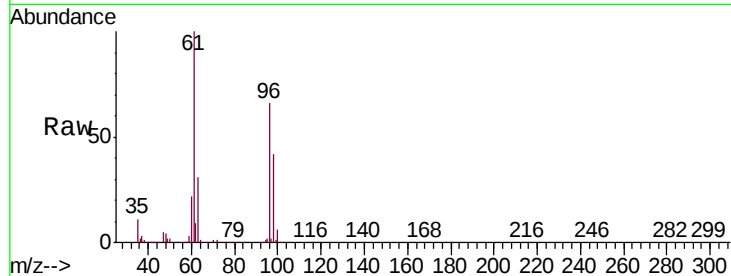


#31

cis-1,2-Dichloroethene
 Concen: 9.858 ppbv
 RT: 5.60 min Scan# 829
 Delta R.T. 0.00 min
 Lab File: VL034055.D
 Acq: 30 Jul 2019 7:18

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL073019

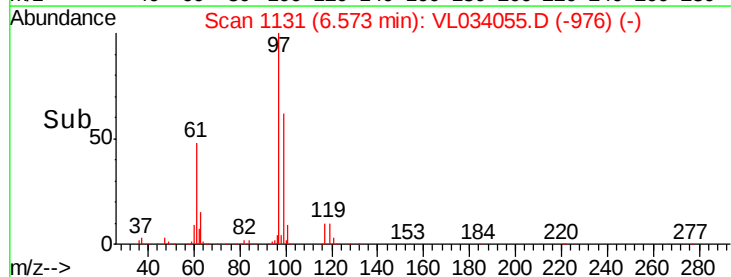
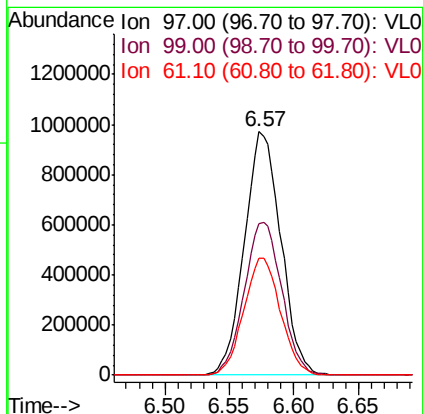
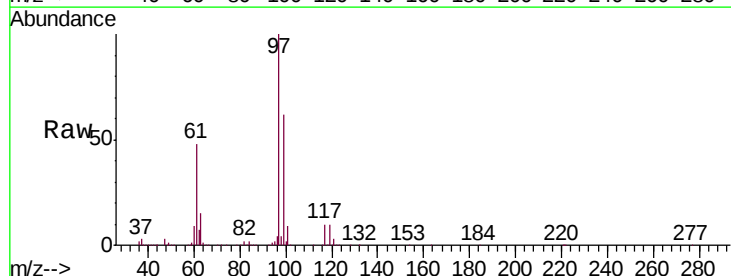
Tgt Ion: 61 Resp: 1200474
 Ion Ratio Lower Upper
 61 100
 96 65.6 49.1 73.7
 98 42.5 32.5 48.7

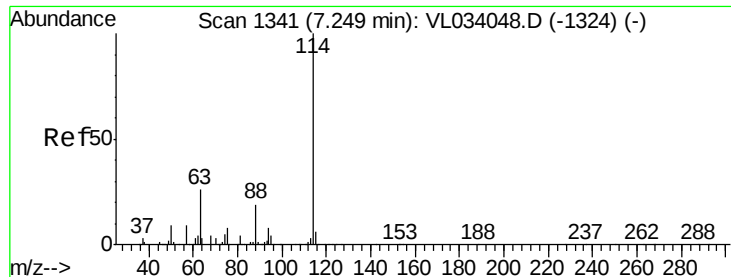


#32

1,1,1-Trichloroethane
 Concen: 8.003 ppbv
 RT: 6.57 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VL034055.D
 Acq: 30 Jul 2019 7:18

Tgt Ion: 97 Resp: 1916997
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.0 76.6
 61 48.6 39.5 59.3

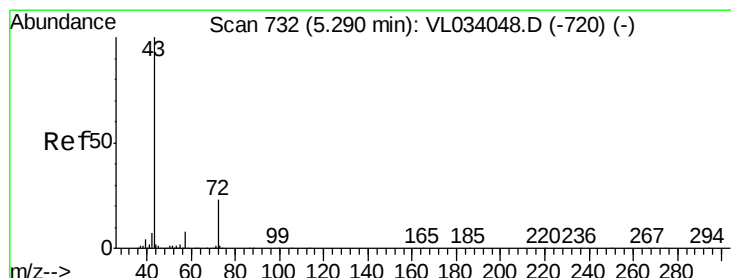
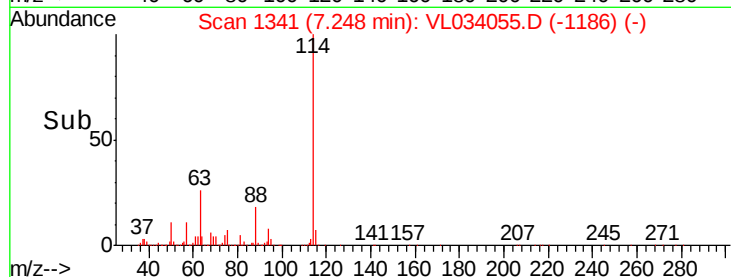
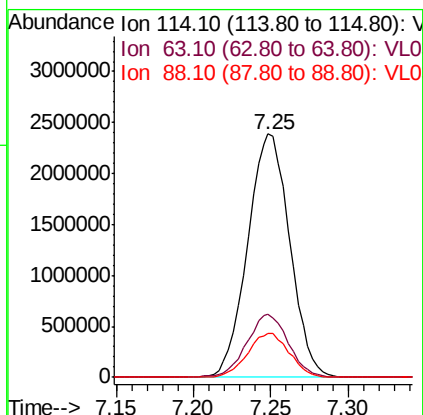
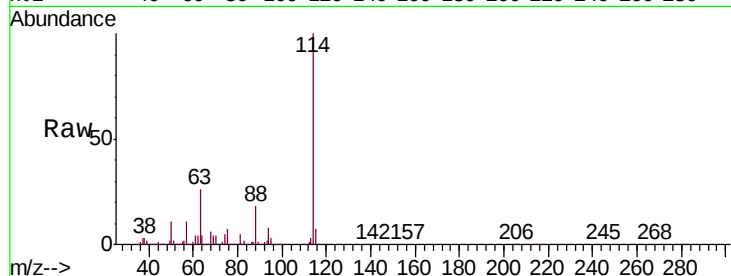




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.25 min Scan# 1341
 Delta R.T. -0.00 min
 Lab File: VL034055.D
 Acq: 30 Jul 2019 7:18

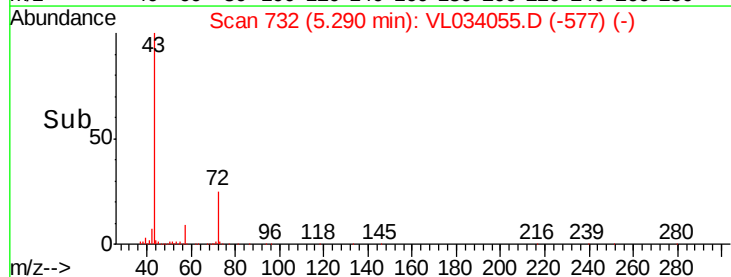
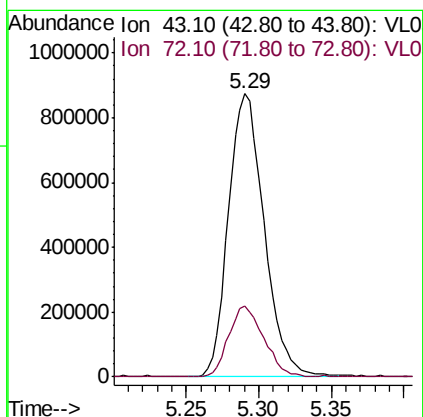
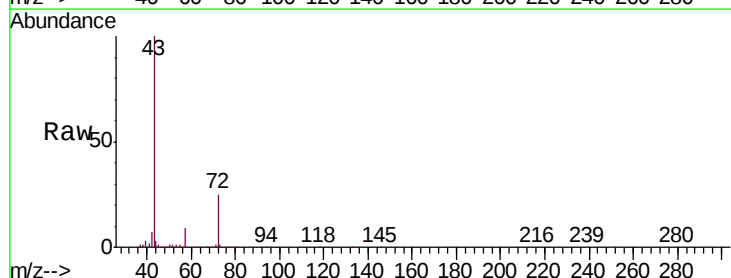
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL073019

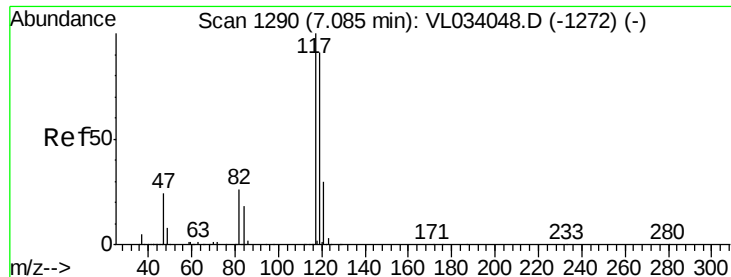
Tgt Ion:114 Resp: 4516542
 Ion Ratio Lower Upper
 114 100
 63 25.9 21.0 31.6
 88 18.2 14.7 22.1



#34
 2-Butanone
 Concen: 8.001 ppbv
 RT: 5.29 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VL034055.D
 Acq: 30 Jul 2019 7:18

Tgt Ion: 43 Resp: 1487164
 Ion Ratio Lower Upper
 43 100
 72 24.9 20.2 30.4





#35

Carbon Tetrachloride

Concen: 9.684 ppbv

RT: 7.09 min Scan# 1292

Delta R.T. 0.01 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL073019

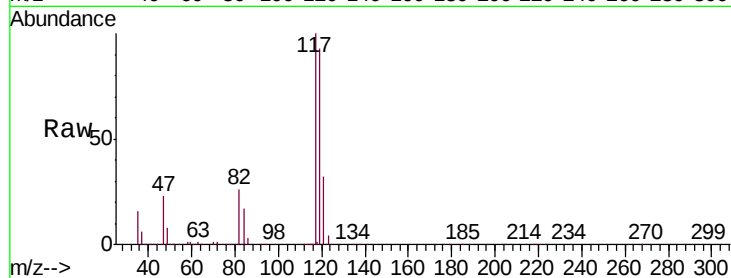
Tgt Ion:117 Resp: 3086691

Ion Ratio Lower Upper

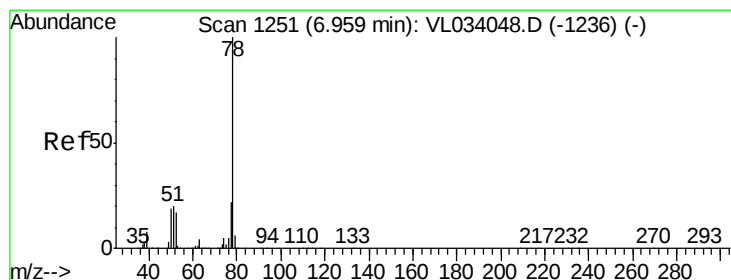
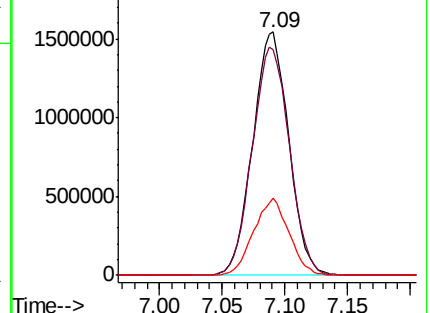
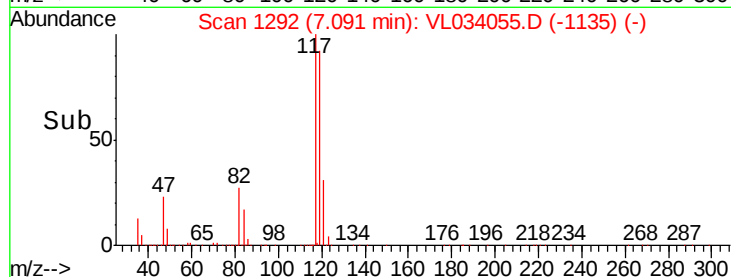
117 100

119 92.7 73.2 109.8

121 31.5 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: 11.751 ppbv

RT: 6.96 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

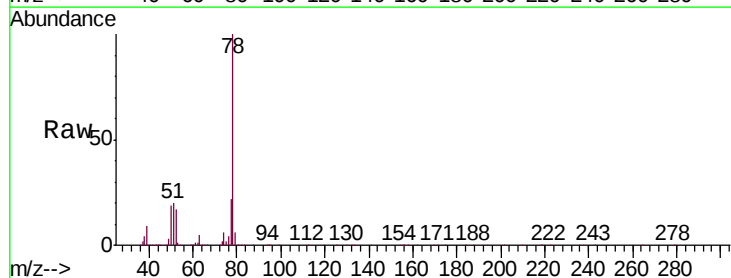
Tgt Ion: 78 Resp: 3533147

Ion Ratio Lower Upper

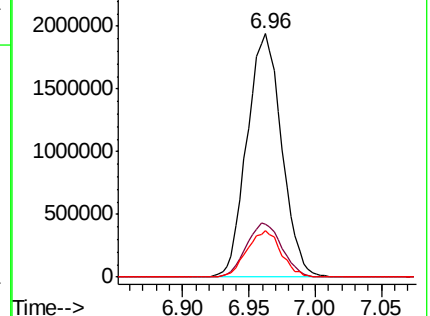
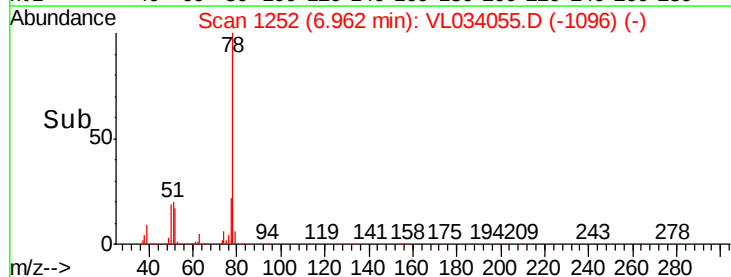
78 100

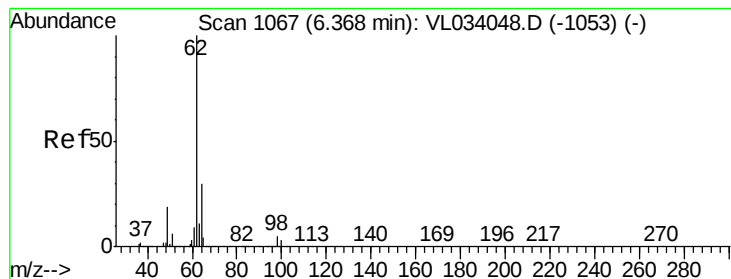
77 21.5 17.9 26.9

50 19.0 14.9 22.3



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





#37

1,2-Dichloroethane

Concen: 7.008 ppbv

RT: 6.37 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

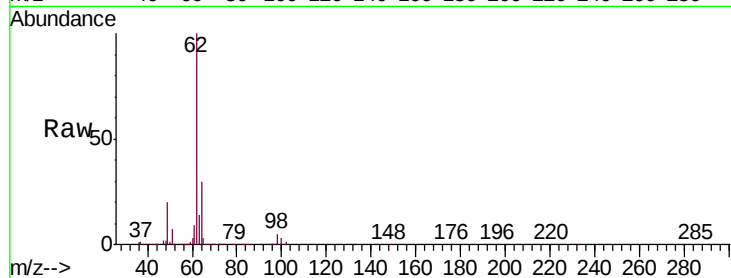
ICVVL073019

Tgt Ion: 62 Resp: 1447937

Ion Ratio Lower Upper

62 100

98 5.6 4.2 6.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.37

800000

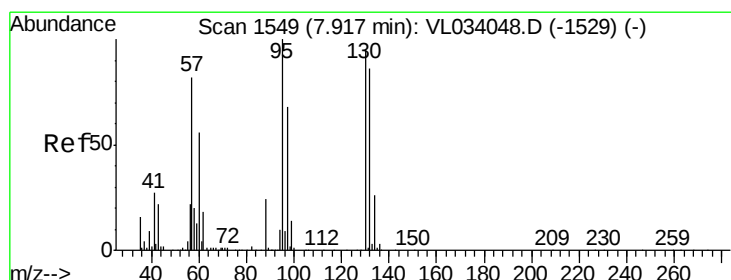
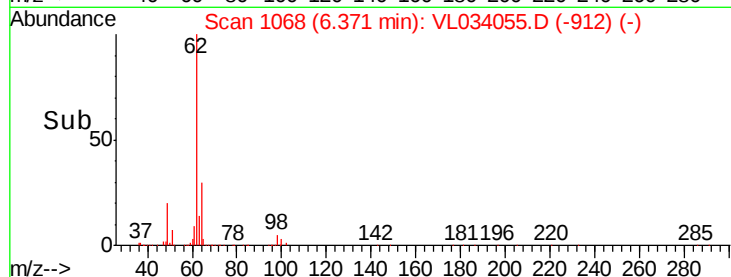
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 8.477 ppbv

RT: 7.91 min Scan# 1548

Delta R.T. -0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Tgt Ion: 130 Resp: 1068126

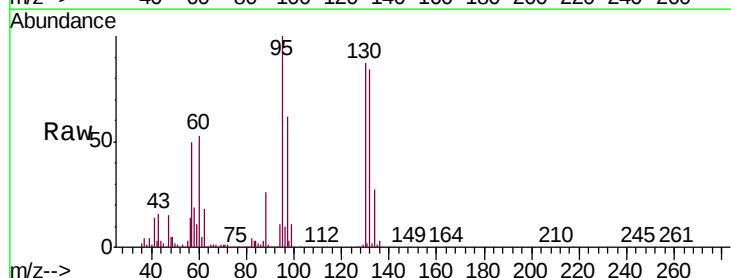
Ion Ratio Lower Upper

130 100

95 114.7 84.1 126.1

132 96.4 72.7 109.1

97 71.2 56.9 85.3



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

1000000

800000

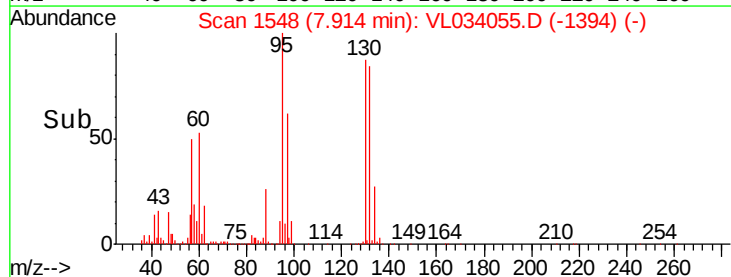
600000

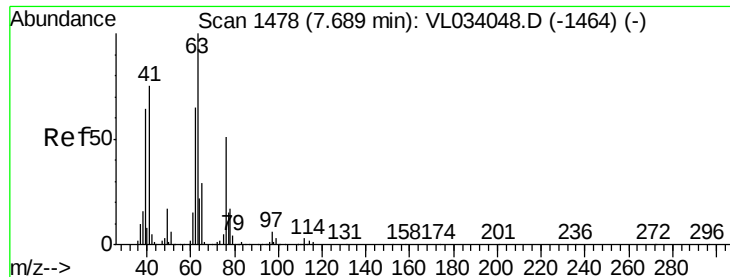
400000

200000

0

Time-->



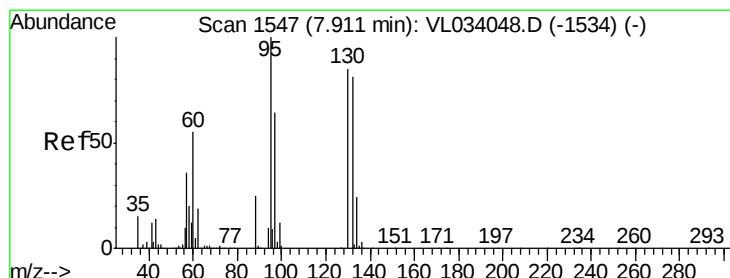
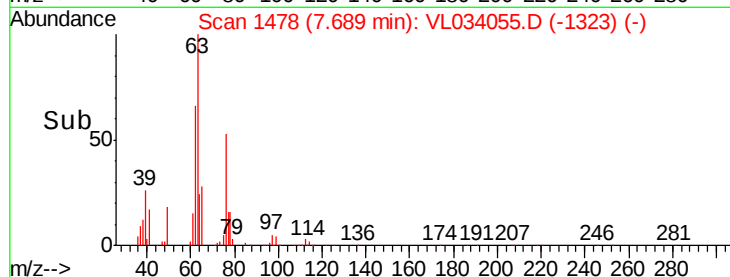
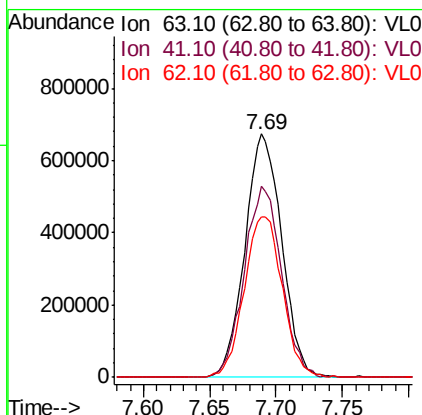
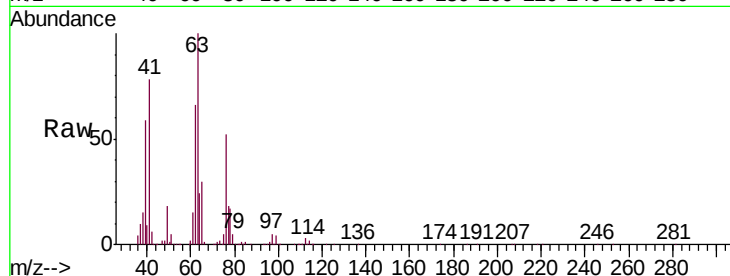


#39
 1,2-Dichloropropane
 Concen: 10.682 ppbv
 RT: 7.69 min Scan# 1478
 Delta R.T. -0.00 min
 Lab File: VL034055.D
 Acq: 30 Jul 2019 7:18

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL073019

Tgt Ion: 63 Resp: 1303333

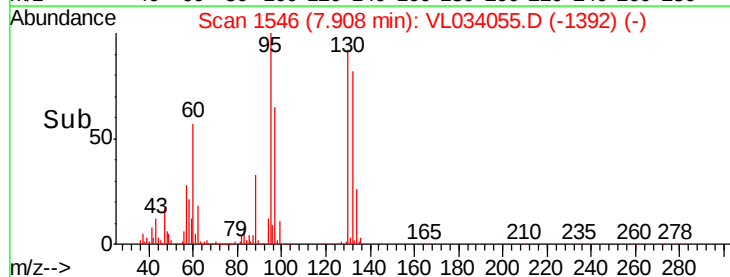
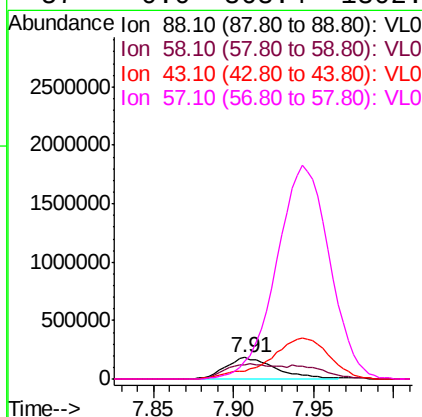
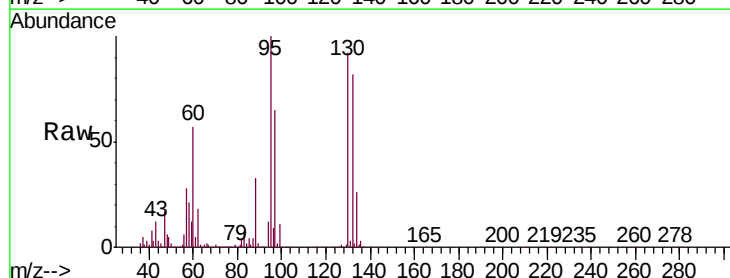
Ion	Ratio	Lower	Upper
63	100		
41	78.2	59.8	89.8
62	65.8	52.2	78.2

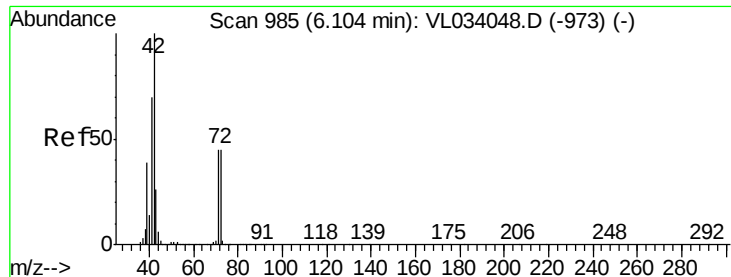


#40
 1,4-Dioxane
 Concen: 8.168 ppbv
 RT: 7.91 min Scan# 1546
 Delta R.T. -0.00 min
 Lab File: VL034055.D
 Acq: 30 Jul 2019 7:18

Tgt Ion: 88 Resp: 393532

Ion	Ratio	Lower	Upper
88	100		
58	121.6	99.6	149.4
43	0.0	189.2	283.8#
57	0.0	868.4	1302.6#





#41

Tetrahydrofuran

Concen: 8.944 ppbv

RT: 6.10 min Scan# 985

Delta R.T. -0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL073019

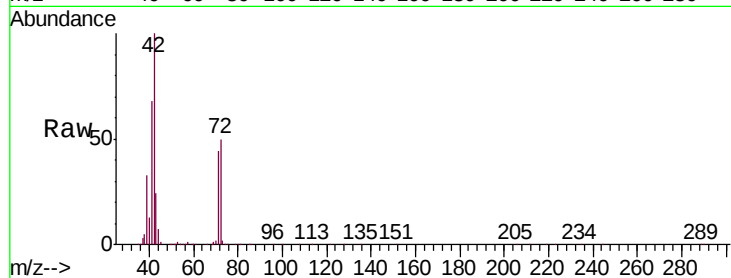
Tgt Ion: 42 Resp: 844474

Ion Ratio Lower Upper

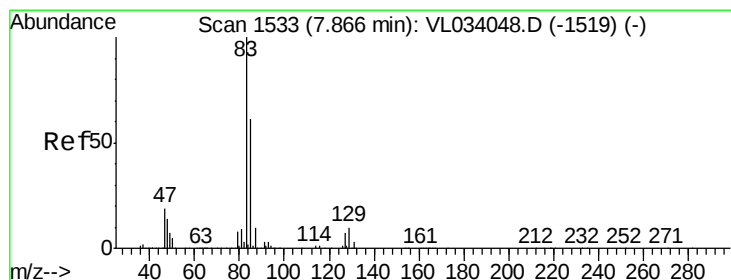
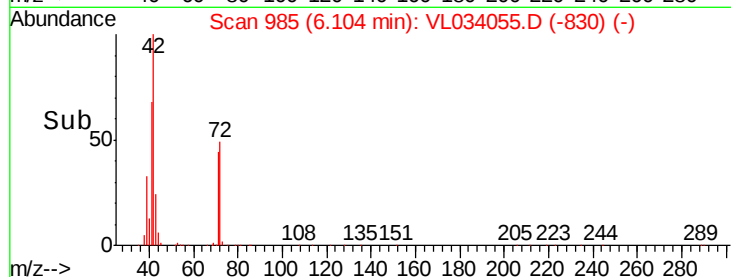
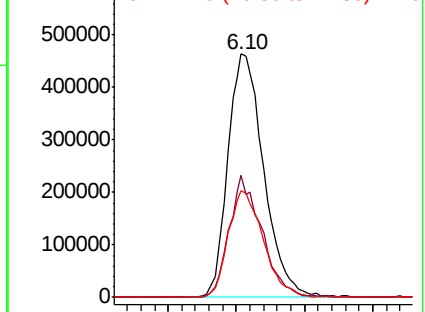
42 100

72 45.8 36.9 55.3

71 43.2 36.6 54.8



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



#42

Bromodichloromethane

Concen: 8.107 ppbv

RT: 7.87 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

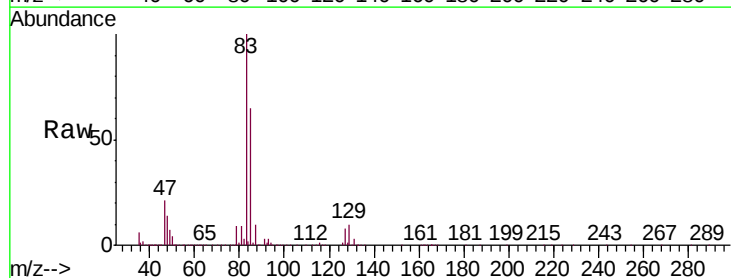
Tgt Ion: 83 Resp: 2315764

Ion Ratio Lower Upper

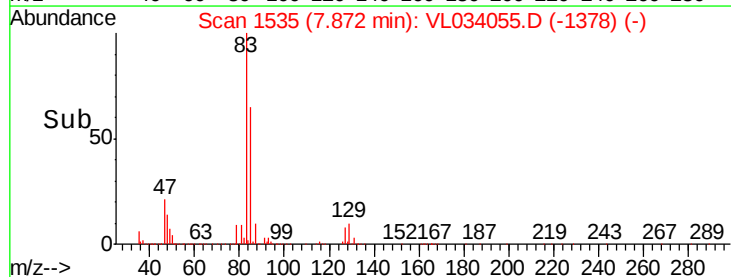
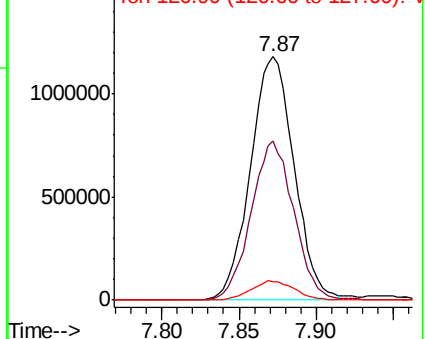
83 100

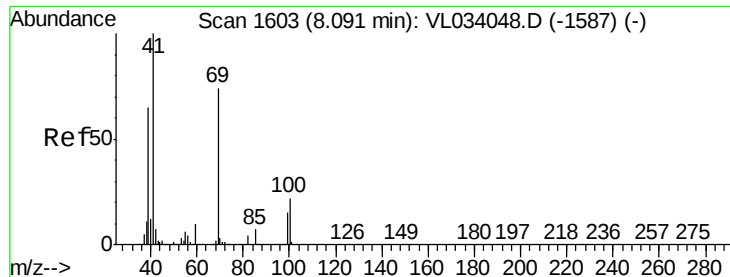
85 65.5 48.6 73.0

127 7.5 5.5 8.3



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





#43

Methyl Methacrylate

Concen: 9.543 ppbv

RT: 8.09 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL073019

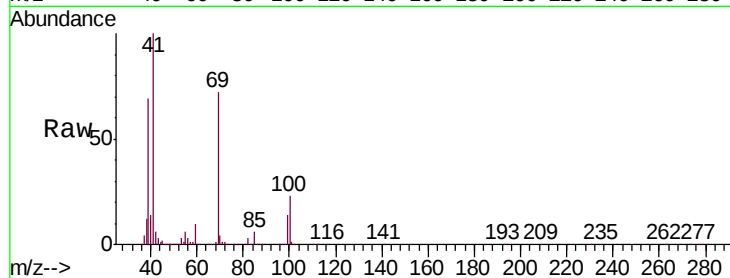
Tgt Ion: 69 Resp: 1022654

Ion Ratio Lower Upper

69 100

41 136.8 112.8 169.2

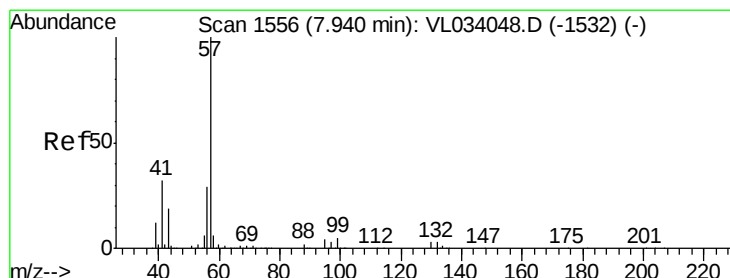
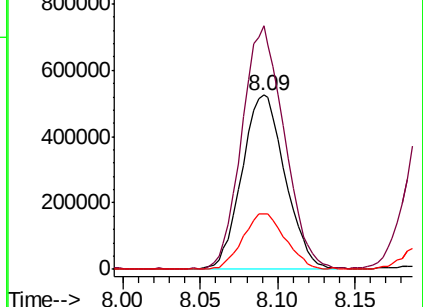
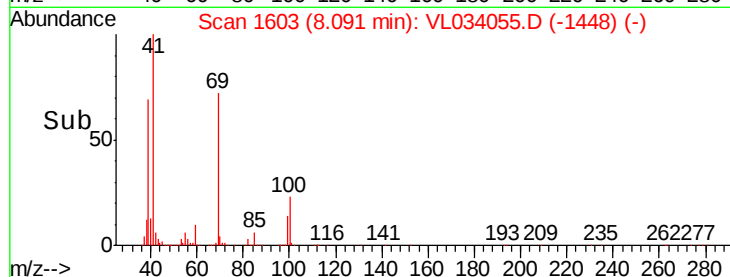
100 31.7 26.1 39.1



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 8.506 ppbv

RT: 7.94 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

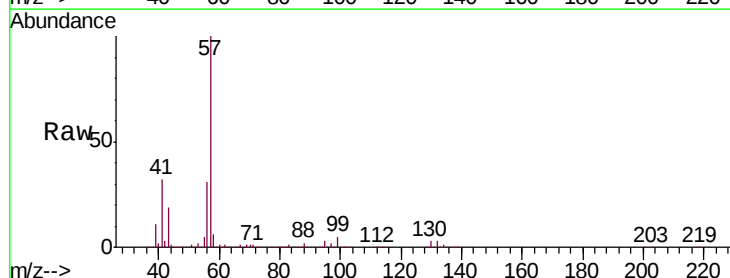
Tgt Ion: 57 Resp: 4246168

Ion Ratio Lower Upper

57 100

41 32.2 26.2 39.2

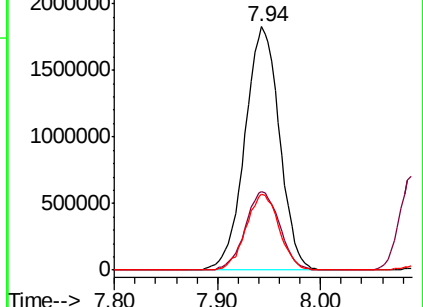
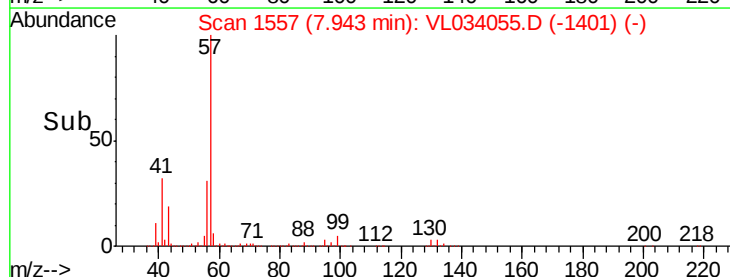
56 30.1 24.2 36.2

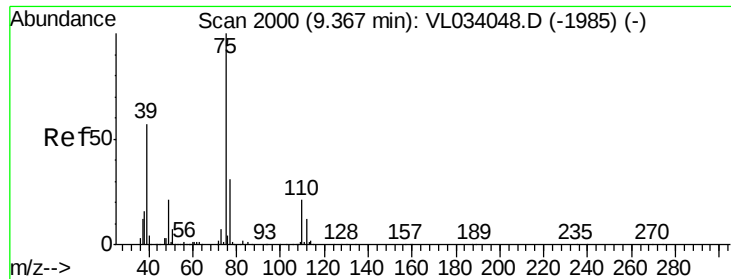


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 9.660 ppbv

RT: 9.36 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

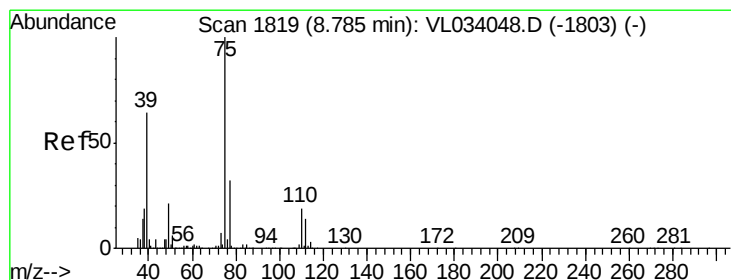
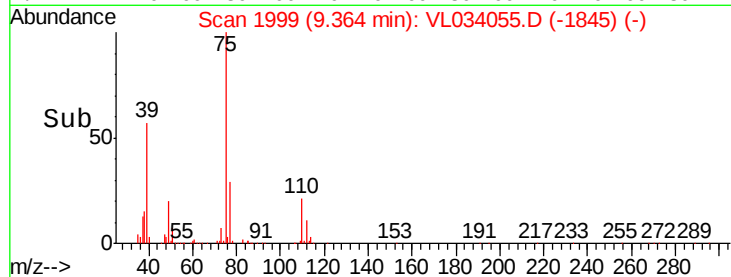
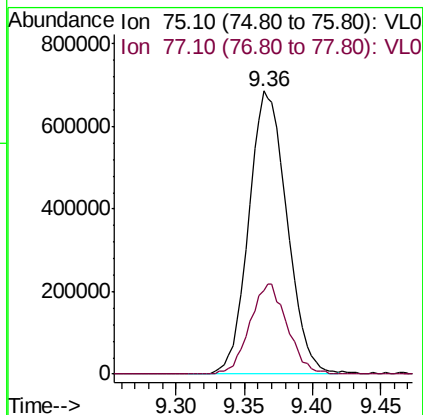
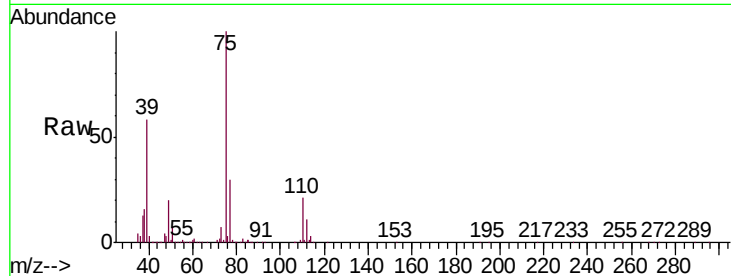
ICVVL073019

Tgt Ion: 75 Resp: 1332029

Ion Ratio Lower Upper

75 100

77 29.5 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 9.763 ppbv

RT: 8.79 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

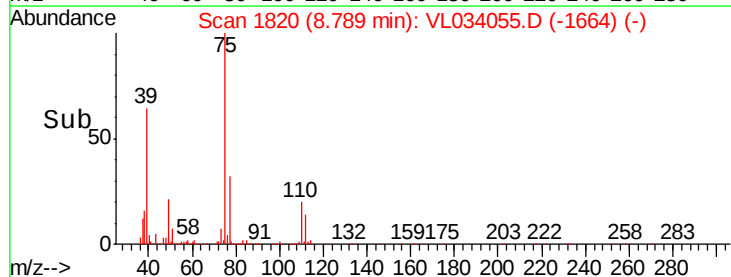
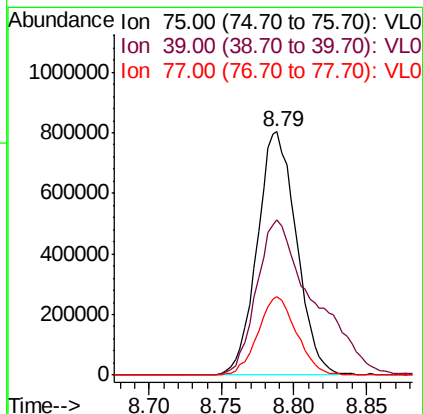
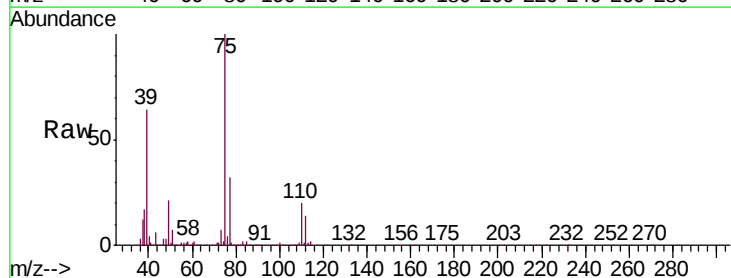
Tgt Ion: 75 Resp: 1512959

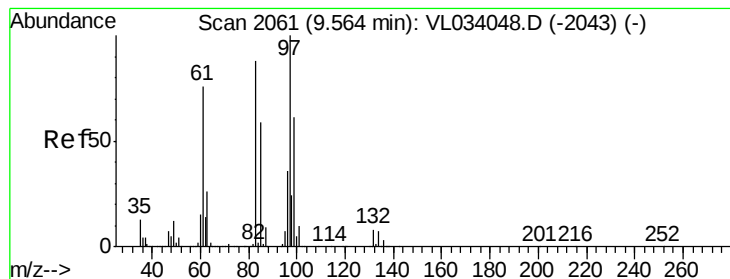
Ion Ratio Lower Upper

75 100

39 63.6 51.4 77.2

77 32.3 25.8 38.6





#47

1,1,2-Trichloroethane

Concen: 8.790 ppbv

RT: 9.57 min Scan# 2062

Delta R.T. 0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL073019

Tgt Ion: 97 Resp: 1115599

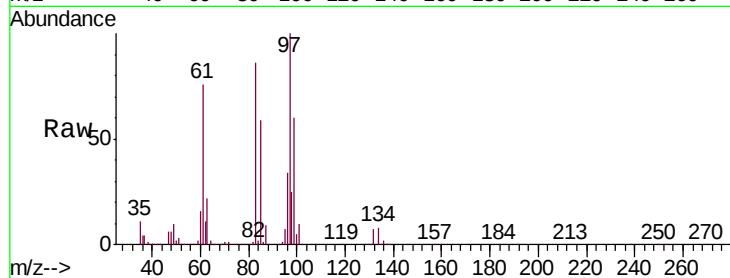
Ion Ratio Lower Upper

97 100

83 86.3 70.6 106.0

85 59.1 47.3 70.9

99 59.4 48.6 72.8



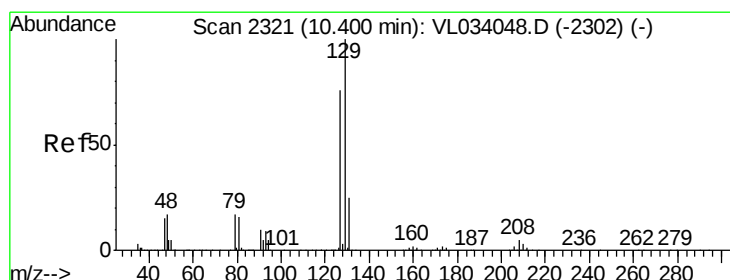
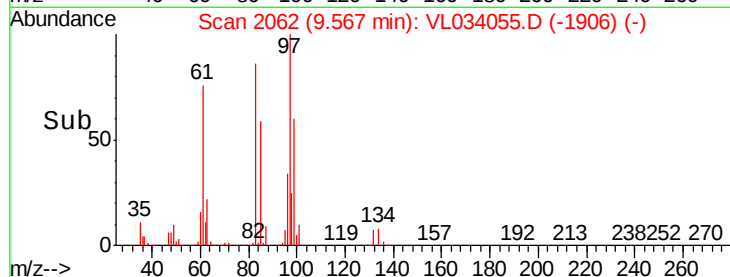
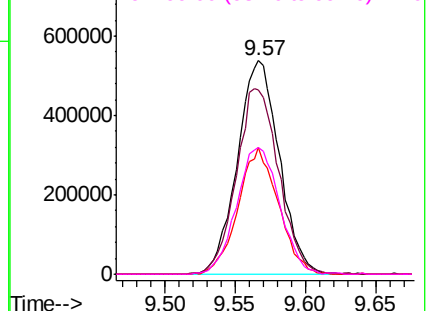
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 8.104 ppbv

RT: 10.40 min Scan# 2322

Delta R.T. 0.00 min

Lab File: VL034055.D

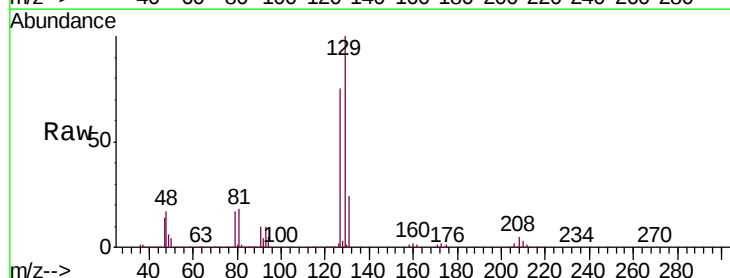
Acq: 30 Jul 2019 7:18

Tgt Ion: 129 Resp: 1963724

Ion Ratio Lower Upper

129 100

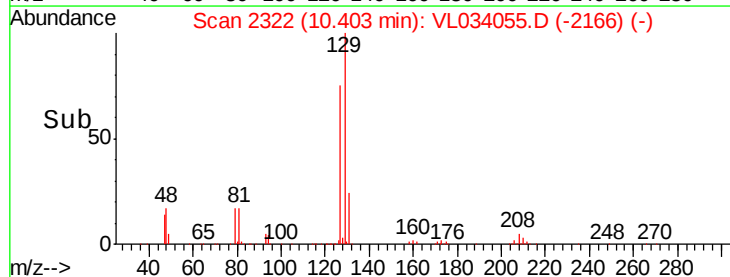
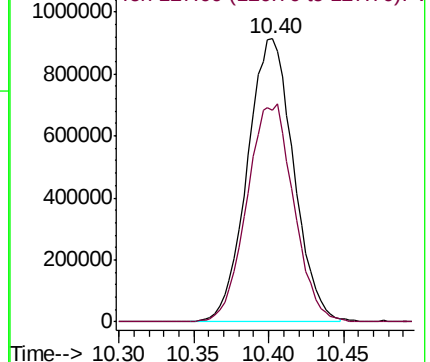
127 78.0 38.6 115.8

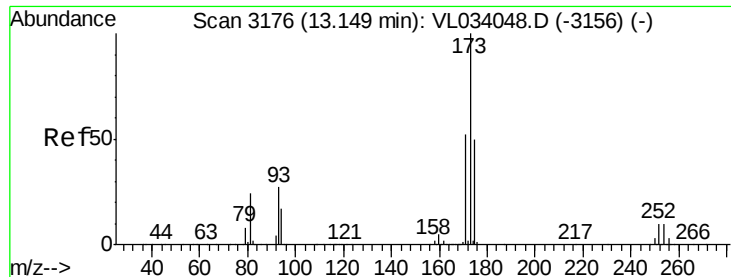


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 8.807 ppbv

RT: 13.15 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL073019

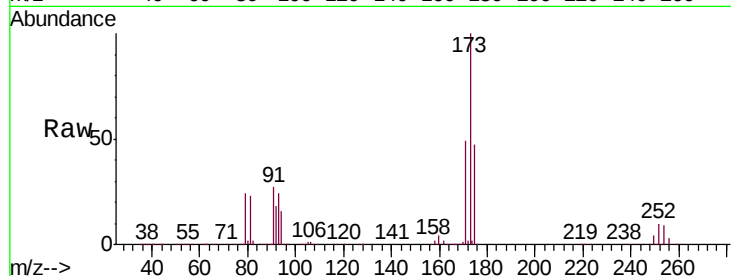
Tgt Ion:173 Resp: 1860402

Ion Ratio Lower Upper

173 100

175 49.0 39.4 59.0

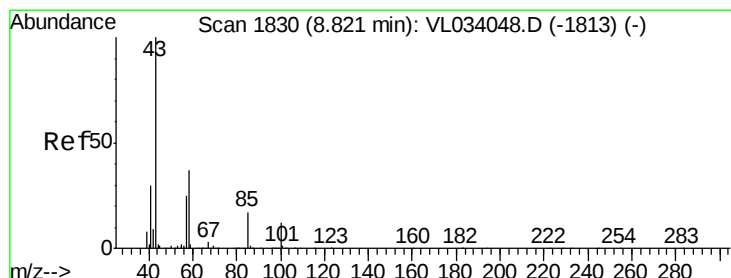
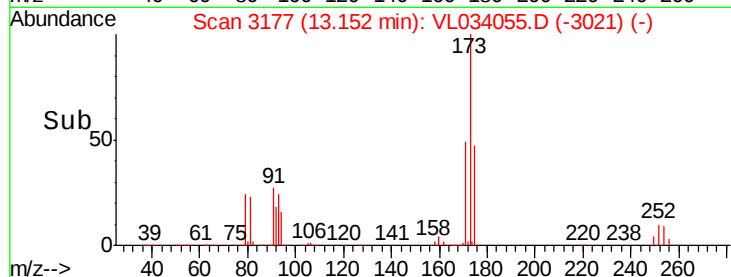
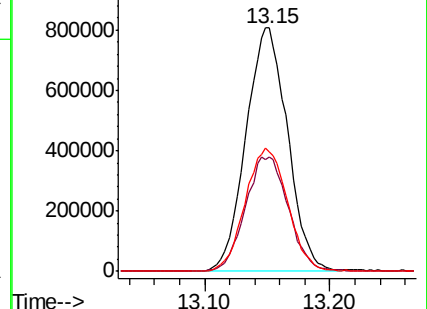
171 51.5 41.9 62.9



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.155 ppbv

RT: 8.82 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VL034055.D

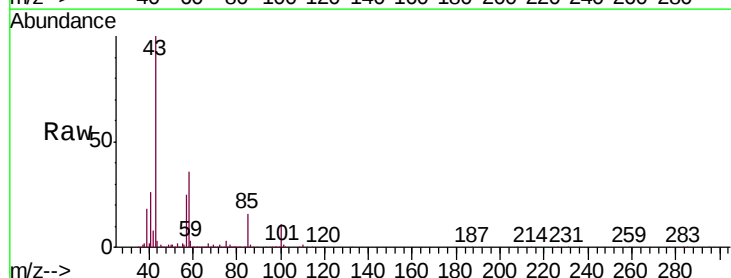
Acq: 30 Jul 2019 7:18

Tgt Ion: 43 Resp: 2526309

Ion Ratio Lower Upper

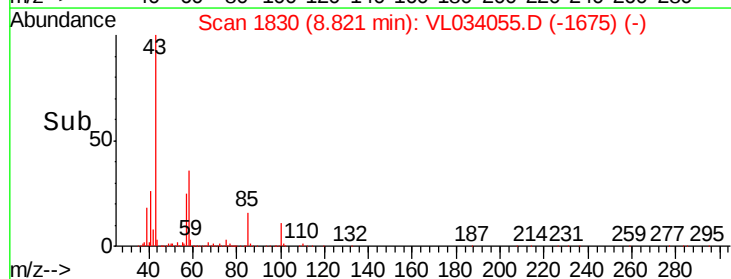
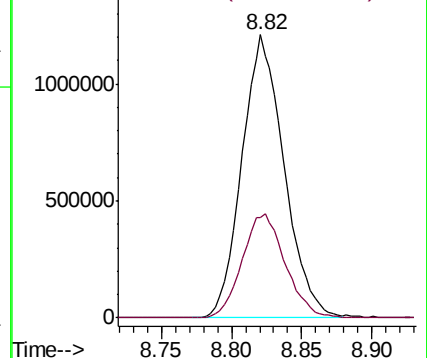
43 100

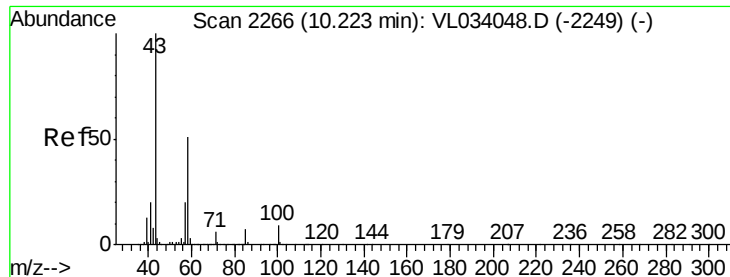
58 37.7 30.7 46.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

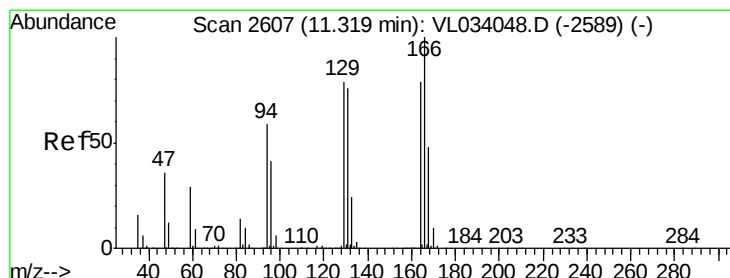
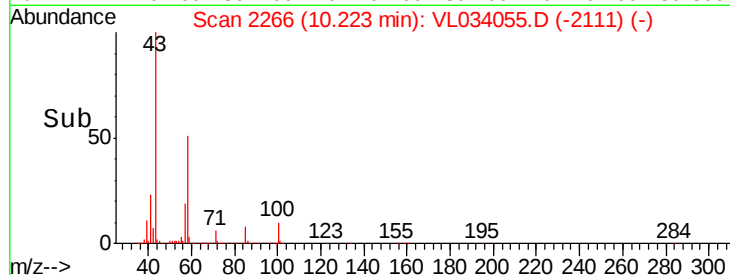
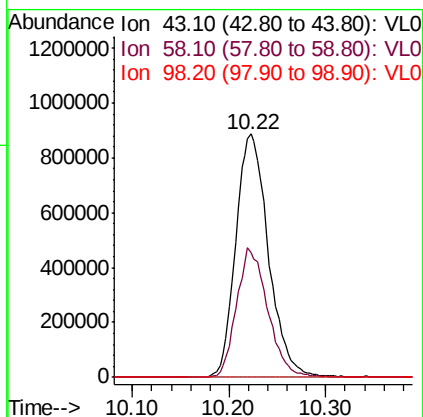
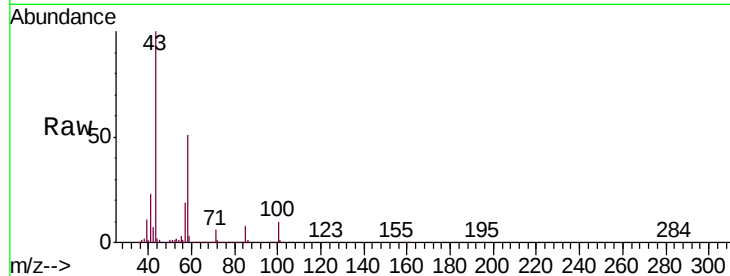




#51
2-Hexanone
Concen: 9.044 ppbv
RT: 10.22 min Scan# 2266
Delta R.T. -0.00 min
Lab File: VL034055.D
Acq: 30 Jul 2019 7:18

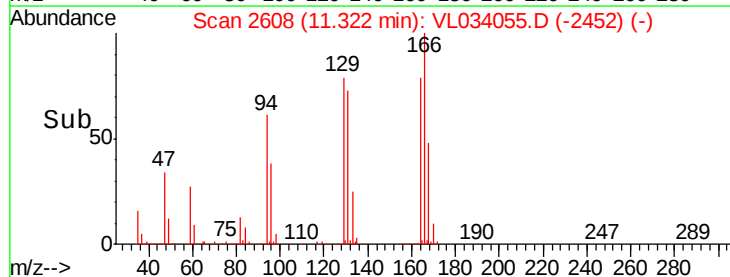
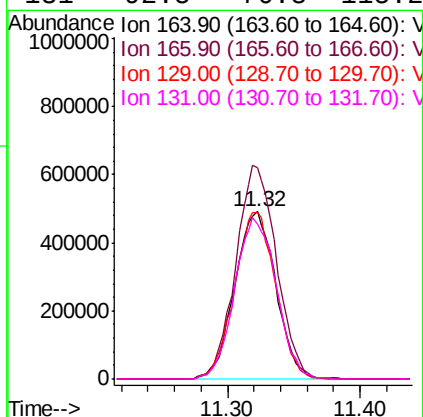
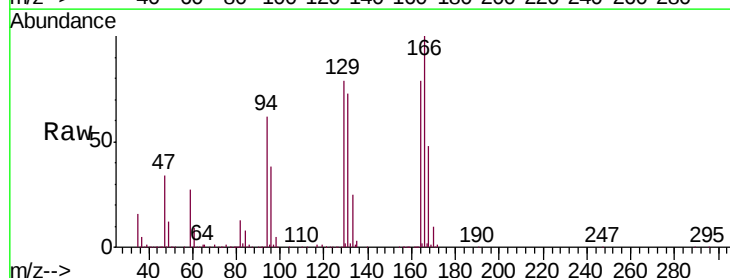
Instrument :
MSVOA_L
ClientSampleId :
ICVVL073019

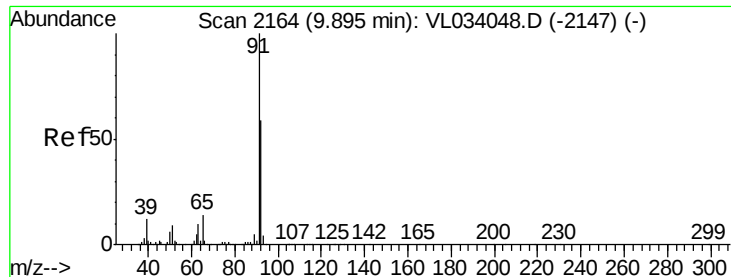
Tgt Ion: 43 Resp: 2075565
Ion Ratio Lower Upper
43 100
58 51.2 40.2 60.2
98 0.2 0.4 0.6#



#52
Tetrachloroethene
Concen: 8.934 ppbv
RT: 11.32 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VL034055.D
Acq: 30 Jul 2019 7:18

Tgt Ion: 164 Resp: 1053241
Ion Ratio Lower Upper
164 100
166 126.4 101.6 152.4
129 99.4 80.7 121.1
131 92.5 76.8 115.2





#53

Toluene

Concen: 9.851 ppbv

RT: 9.89 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

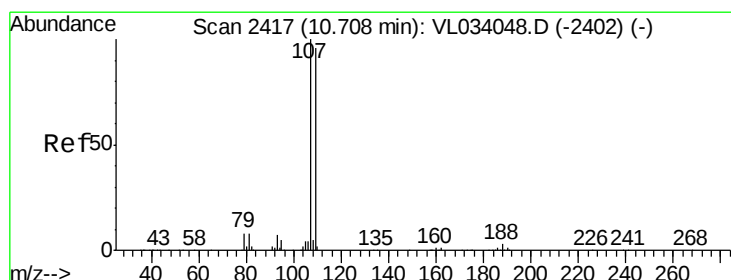
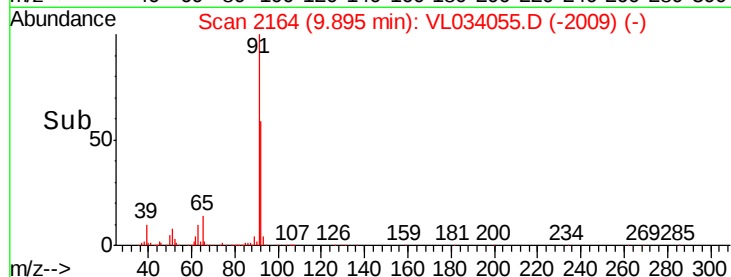
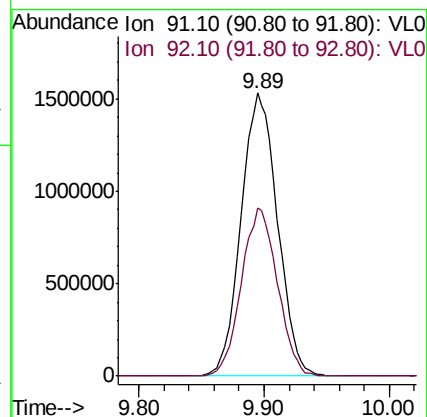
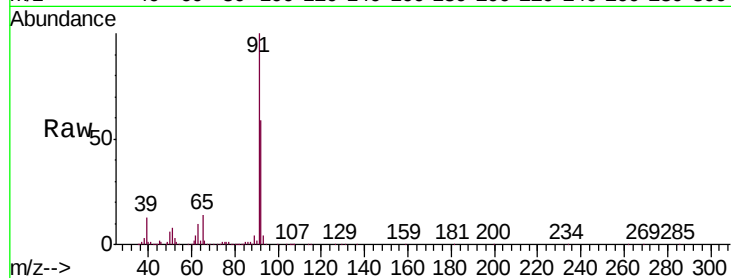
ICVVL073019

Tgt Ion: 91 Resp: 3090175

Ion Ratio Lower Upper

91 100

92 58.9 47.4 71.2



#54

1,2-Dibromoethane

Concen: 9.141 ppbv

RT: 10.71 min Scan# 2418

Delta R.T. 0.00 min

Lab File: VL034055.D

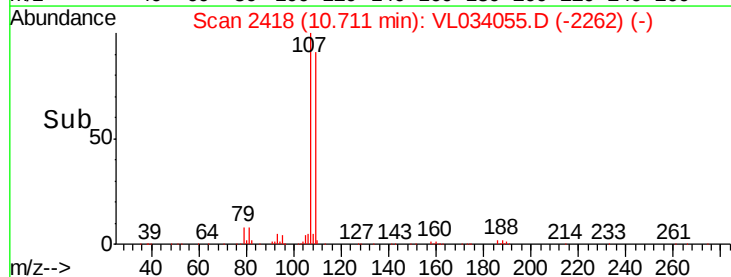
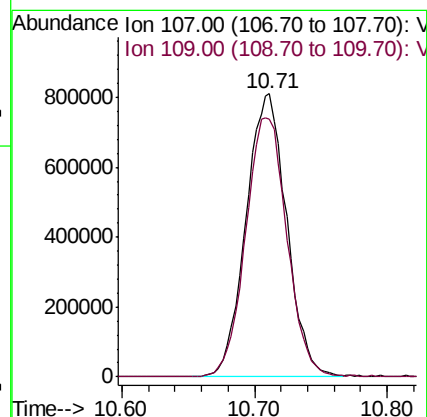
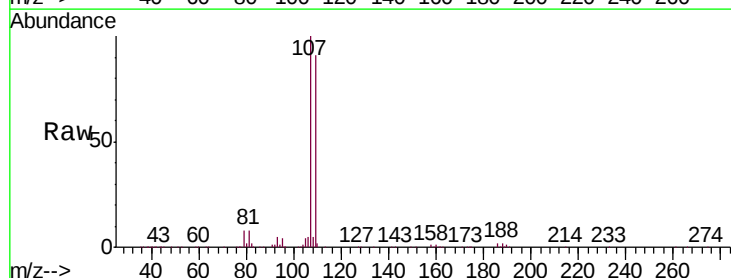
Acq: 30 Jul 2019 7:18

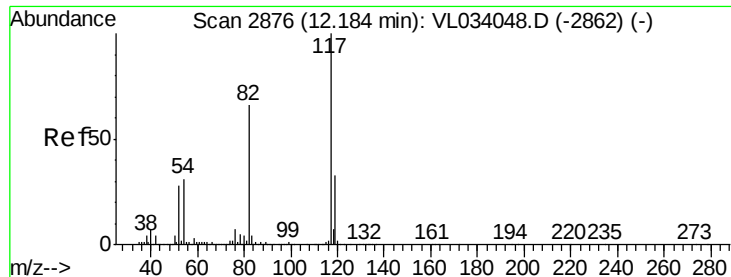
Tgt Ion: 107 Resp: 1721955

Ion Ratio Lower Upper

107 100

109 91.1 76.6 115.0

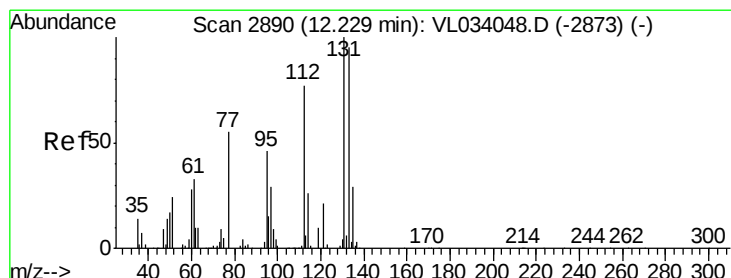
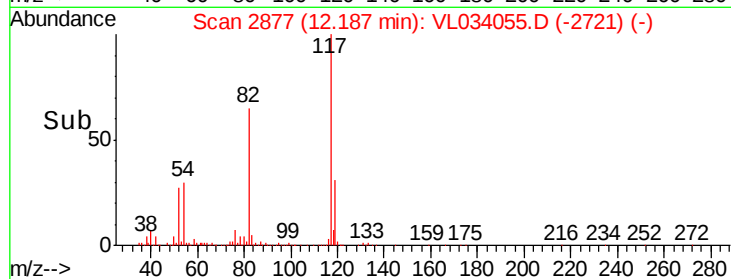
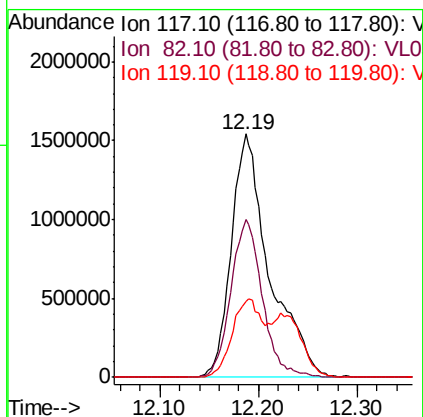
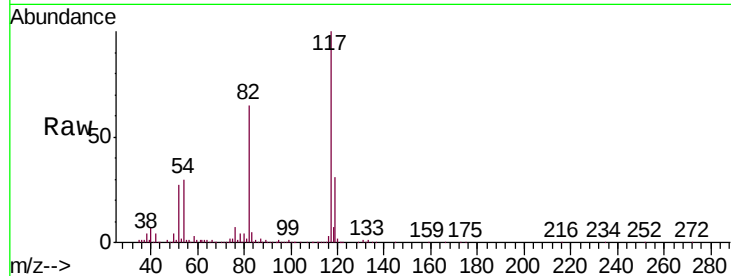




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.19 min Scan# 2877
Delta R.T. 0.00 min
Lab File: VL034055.D
Acq: 30 Jul 2019 7:18

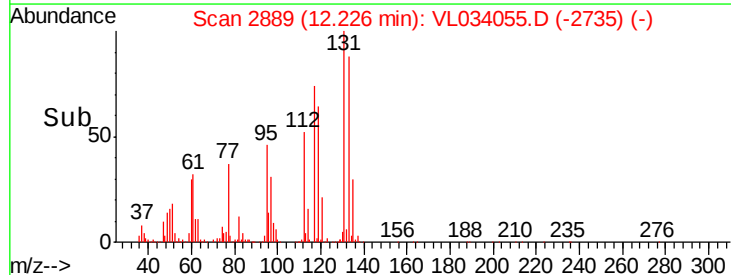
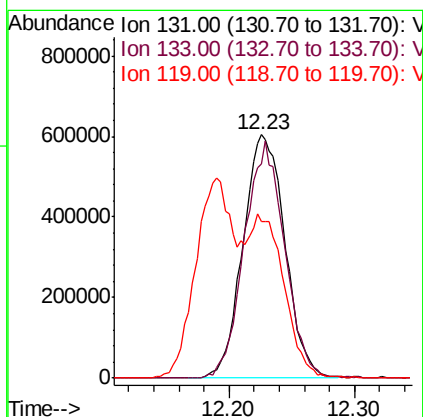
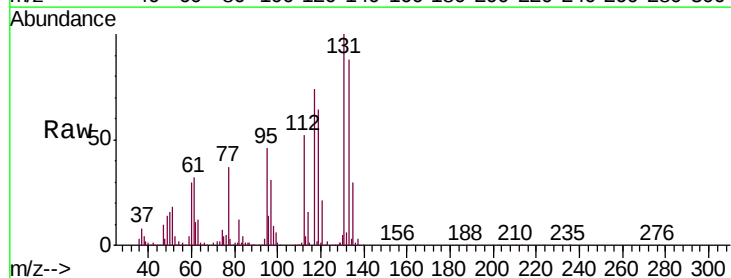
Instrument :
MSVOA_L
ClientSampleId :
ICVVL073019

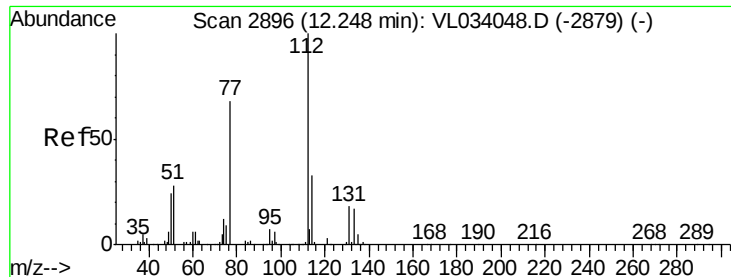
Tgt Ion:117 Resp: 4149486
Ion Ratio Lower Upper
117 100
82 54.0 49.8 74.8
119 27.7 43.0 64.6#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.562 ppbv
RT: 12.23 min Scan# 2889
Delta R.T. -0.00 min
Lab File: VL034055.D
Acq: 30 Jul 2019 7:18

Tgt Ion:131 Resp: 1402077
Ion Ratio Lower Upper
131 100
133 93.8 76.6 114.8
119 55.0 46.6 69.8





#57

Chlorobenzene

Concen: 7.511 ppbv

RT: 12.25 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL073019

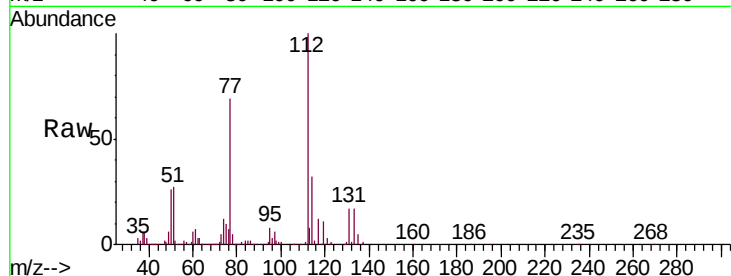
Tgt Ion: 112 Resp: 2414619

Ion Ratio Lower Upper

112 100

77 69.0 55.1 82.7

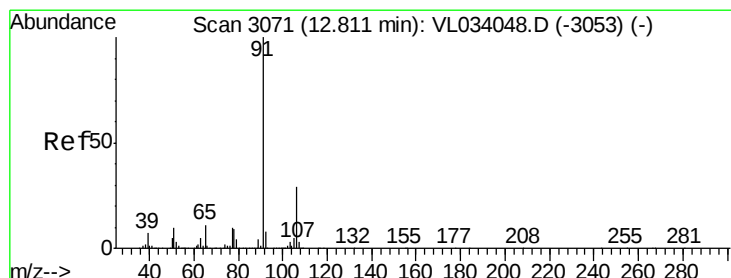
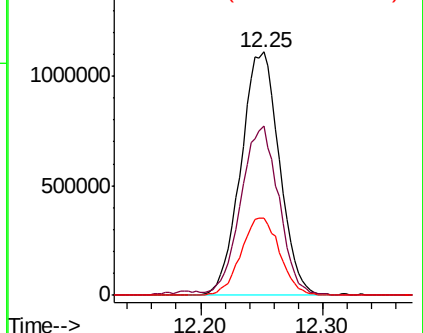
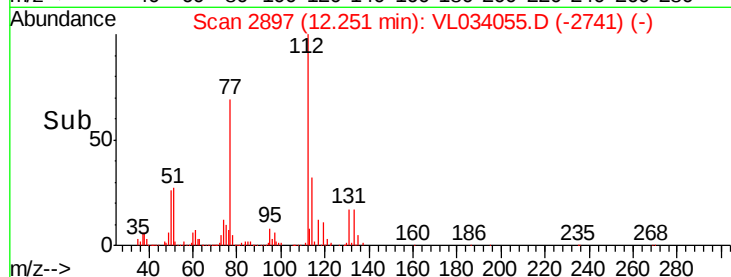
114 31.7 29.5 36.1



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: 8.735 ppbv

RT: 12.81 min Scan# 3071

Delta R.T. -0.00 min

Lab File: VL034055.D

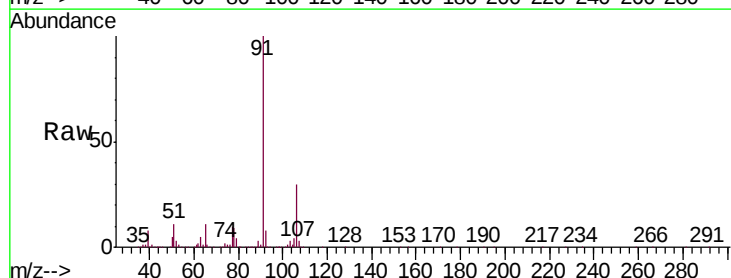
Acq: 30 Jul 2019 7:18

Tgt Ion: 91 Resp: 4289441

Ion Ratio Lower Upper

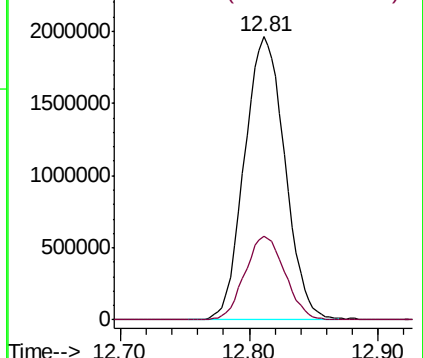
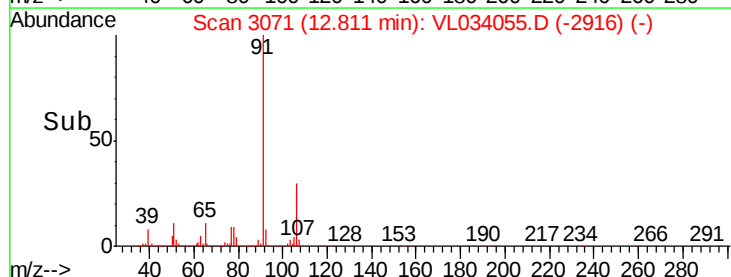
91 100

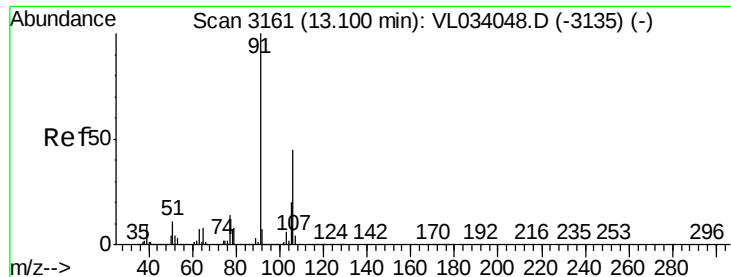
106 29.6 23.5 35.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

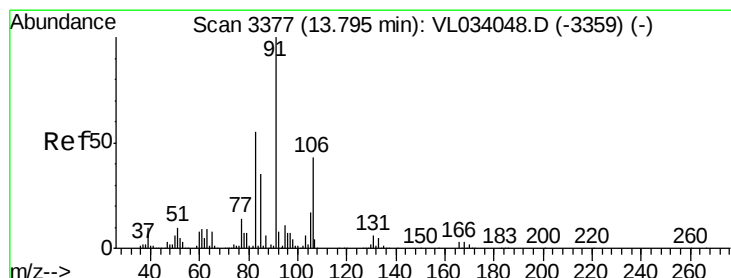
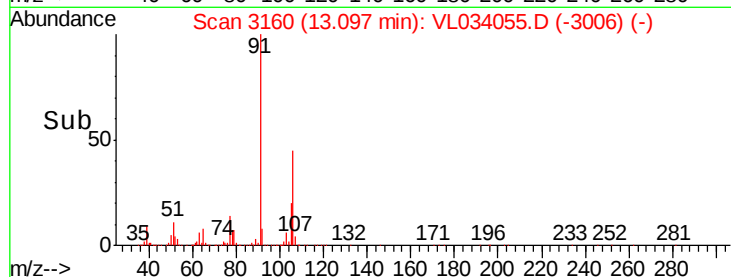
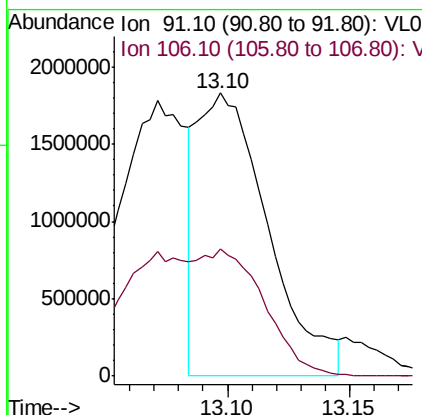
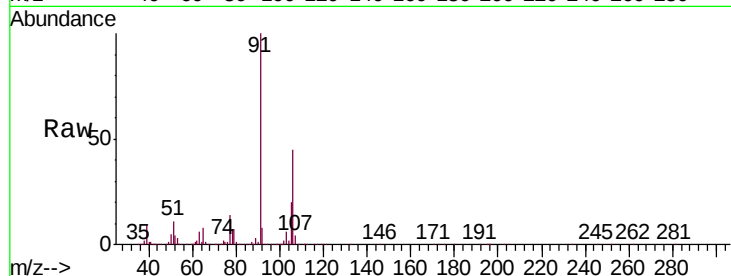




#59
m/p-Xylene
Concen: 8.191 ppbv
RT: 13.10 min Scan# 3160
Delta R.T. -0.00 min
Lab File: VL034055.D
Acq: 30 Jul 2019 7:18

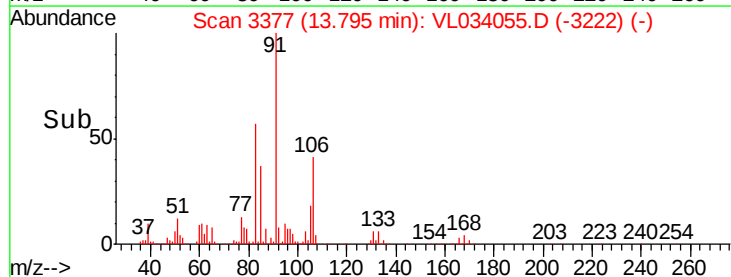
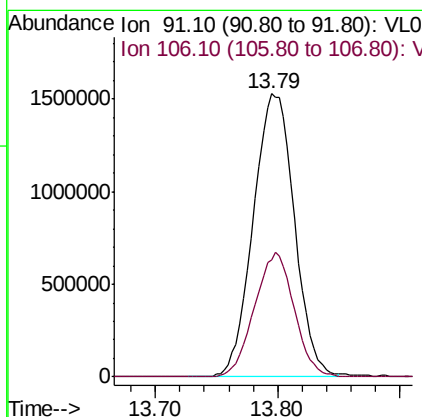
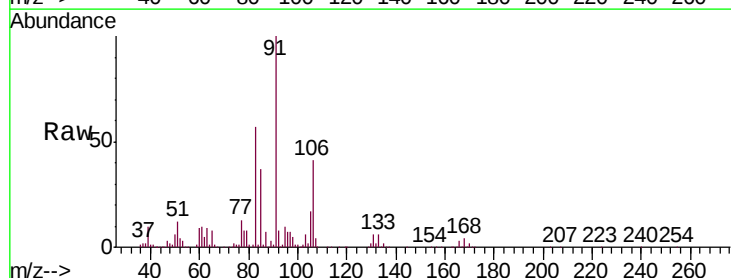
Instrument :
MSVOA_L
ClientSampleId :
ICVVL073019

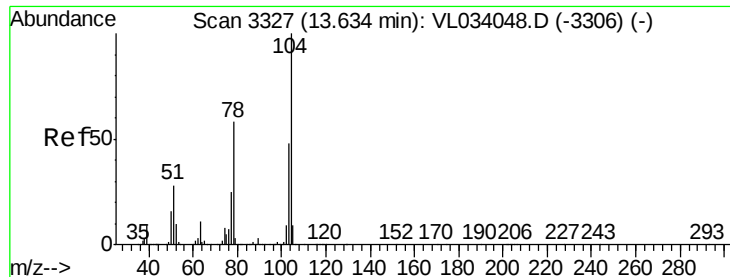
Tgt Ion: 91 Resp: 3656629
Ion Ratio Lower Upper
91 100
106 86.4 35.1 52.7#



#60
o-Xylene
Concen: 8.053 ppbv
RT: 13.79 min Scan# 3377
Delta R.T. -0.00 min
Lab File: VL034055.D
Acq: 30 Jul 2019 7:18

Tgt Ion: 91 Resp: 3573124
Ion Ratio Lower Upper
91 100
106 42.7 21.2 63.6





#61

Styrene

Concen: 8.758 ppbv

RT: 13.63 min Scan# 3327

Delta R.T. -0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL073019

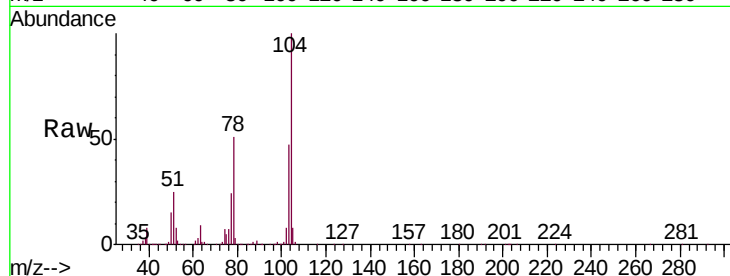
Tgt Ion:104 Resp: 2565950

Ion Ratio Lower Upper

104 100

78 54.8 44.3 66.5

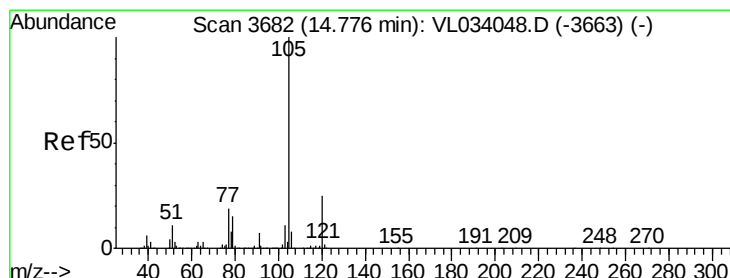
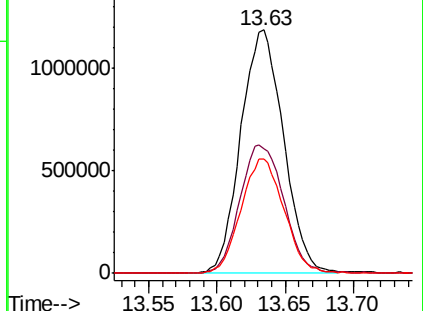
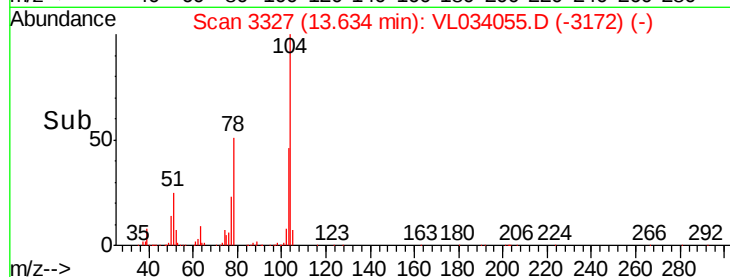
103 47.6 38.8 58.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.978 ppbv

RT: 14.77 min Scan# 3681

Delta R.T. -0.00 min

Lab File: VL034055.D

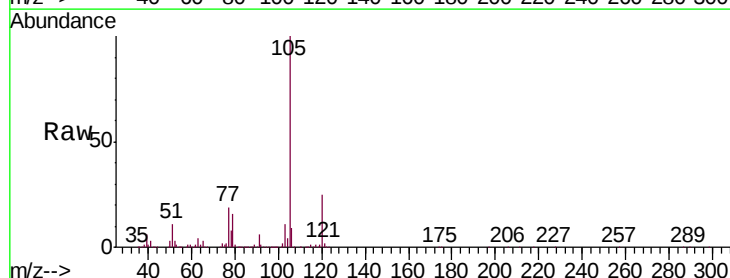
Acq: 30 Jul 2019 7:18

Tgt Ion:105 Resp: 4742529

Ion Ratio Lower Upper

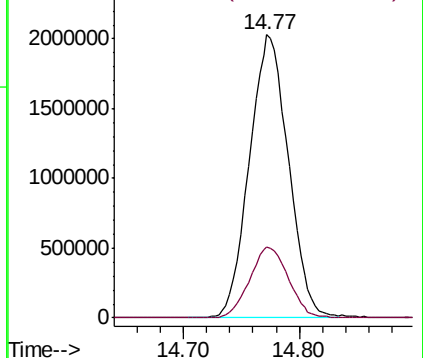
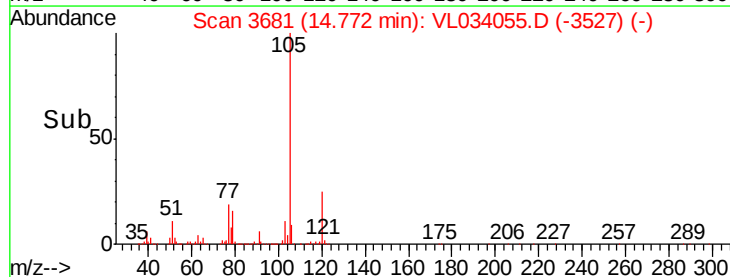
105 100

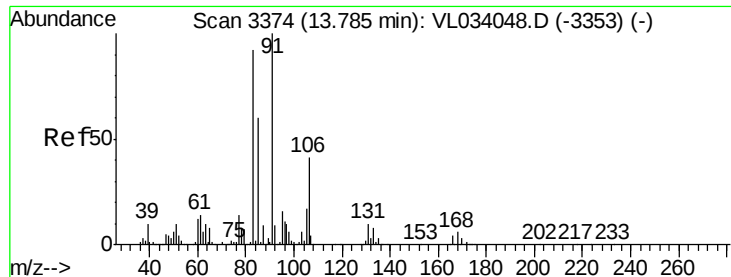
120 25.0 20.2 30.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.410 ppbv

RT: 13.79 min Scan# 3374

Delta R.T. -0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL073019

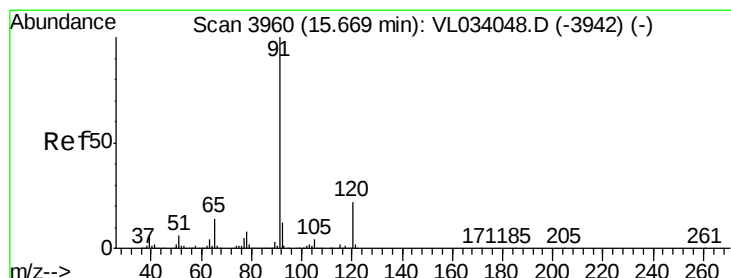
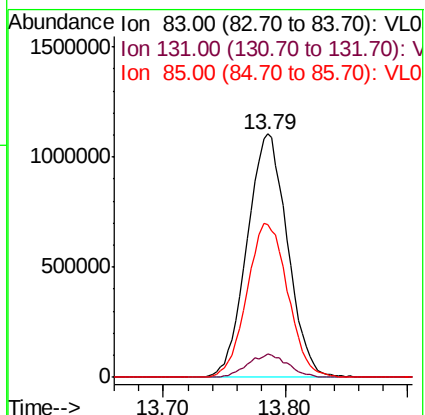
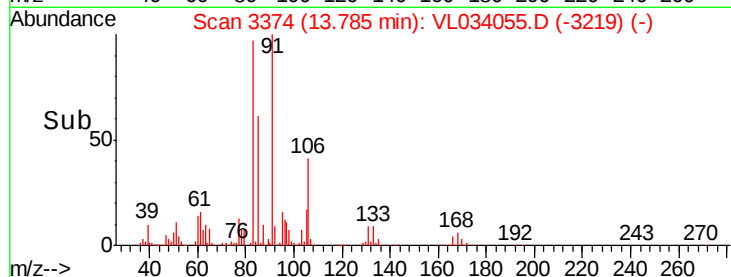
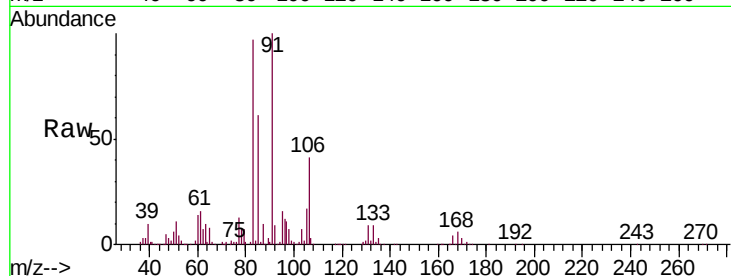
Tgt Ion: 83 Resp: 2523055

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.4

85 64.3 32.4 97.0



#64

n-propylbenzene

Concen: 7.756 ppbv

RT: 15.67 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VL034055.D

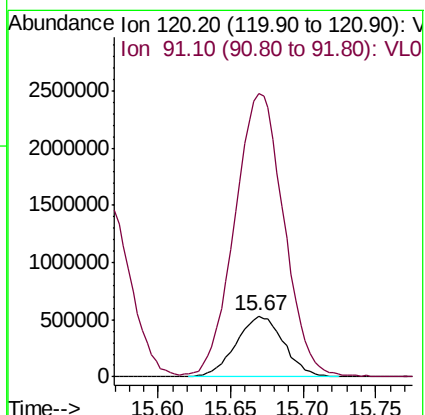
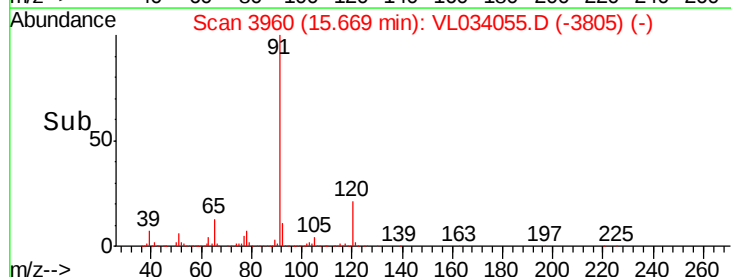
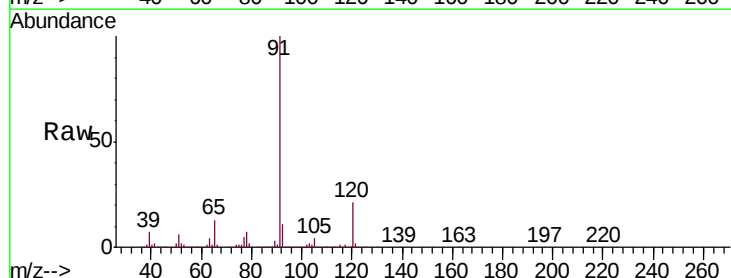
Acq: 30 Jul 2019 7:18

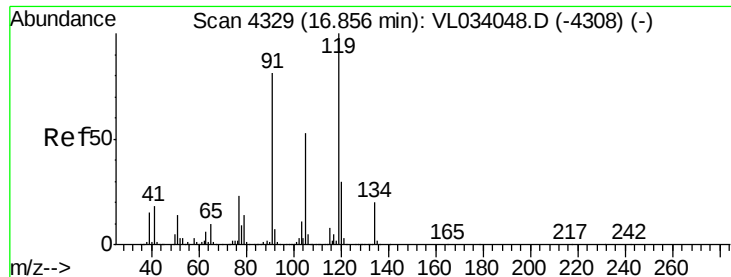
Tgt Ion: 120 Resp: 1193842

Ion Ratio Lower Upper

120 100

91 491.5 386.2 579.2

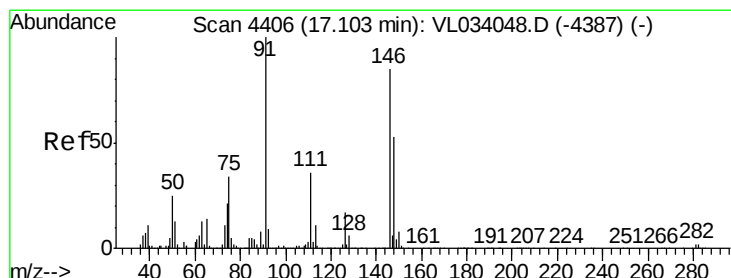
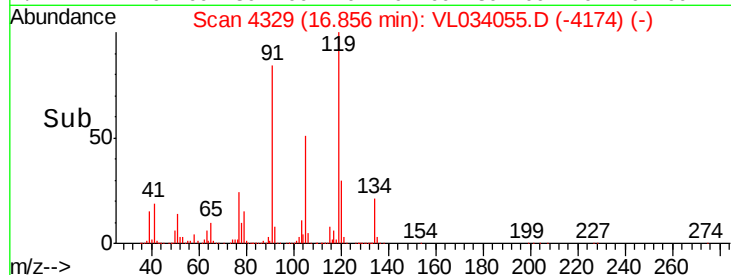
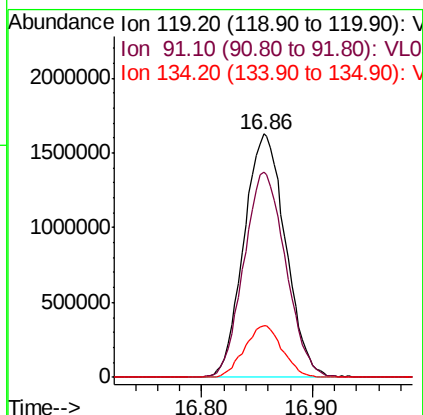
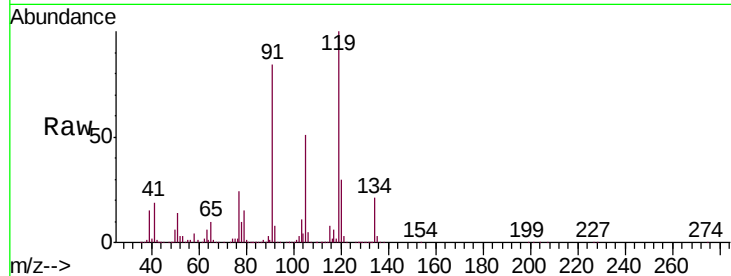




#65
tert-Butylbenzene
Concen: 7.753 ppbv
RT: 16.86 min Scan# 4329
Delta R.T. -0.00 min
Lab File: VL034055.D
Acq: 30 Jul 2019 7:18

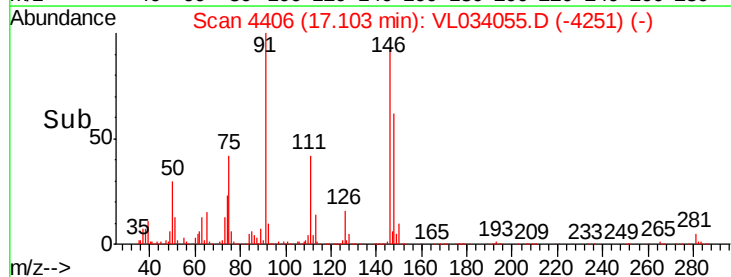
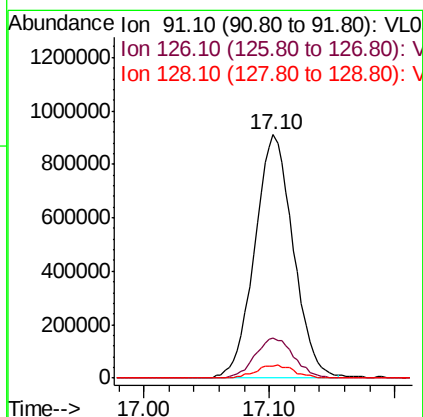
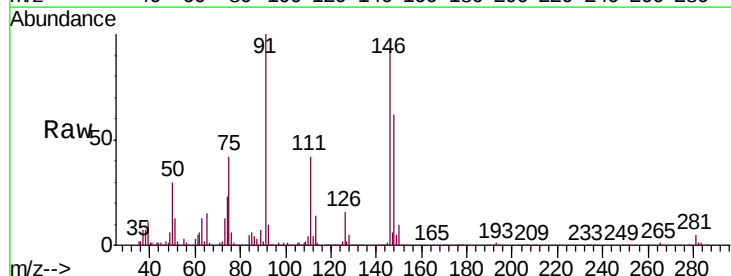
Instrument :
MSVOA_L
ClientSampleId :
ICVVL073019

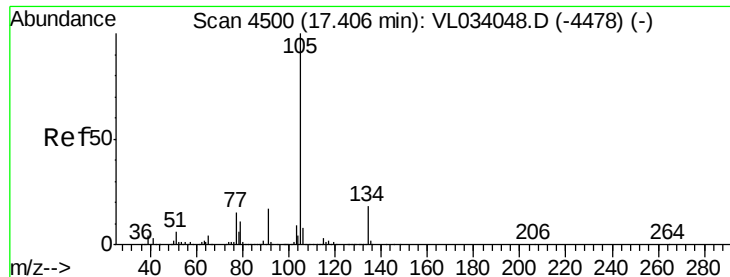
Tgt Ion: 119 Resp: 4248520
Ion Ratio Lower Upper
119 100
91 85.0 66.9 100.3
134 19.5 15.5 23.3



#66
Benzyl Chloride
Concen: 7.072 ppbv
RT: 17.10 min Scan# 4406
Delta R.T. -0.00 min
Lab File: VL034055.D
Acq: 30 Jul 2019 7:18

Tgt Ion: 91 Resp: 1944587
Ion Ratio Lower Upper
91 100
126 16.8 13.5 20.3
128 5.5 4.5 6.7

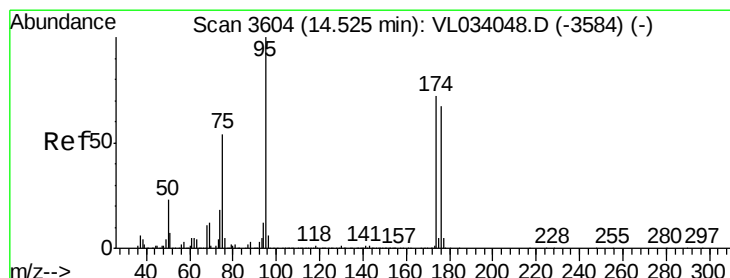
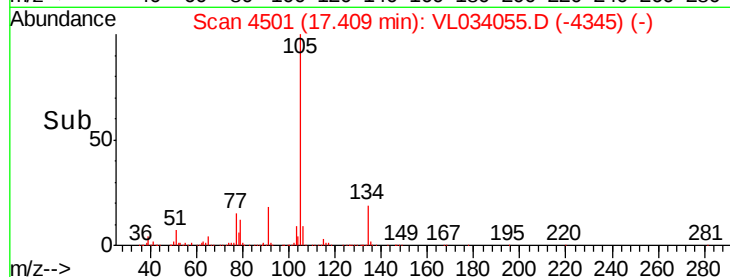
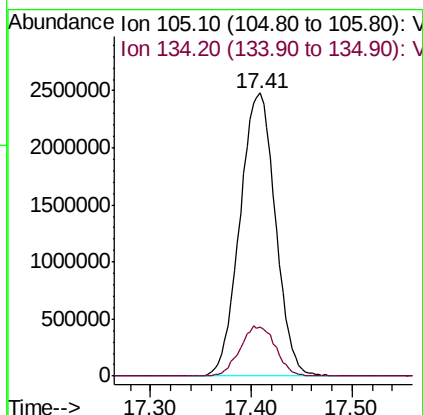
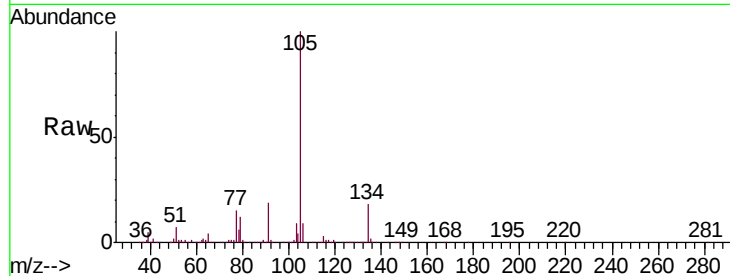




#67
 sec-Butylbenzene
 Concen: 7.761 ppbv
 RT: 17.41 min Scan# 4501
 Delta R.T. 0.00 min
 Lab File: VL034055.D
 Acq: 30 Jul 2019 7:18

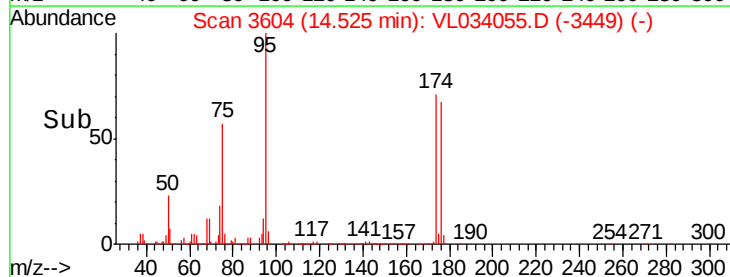
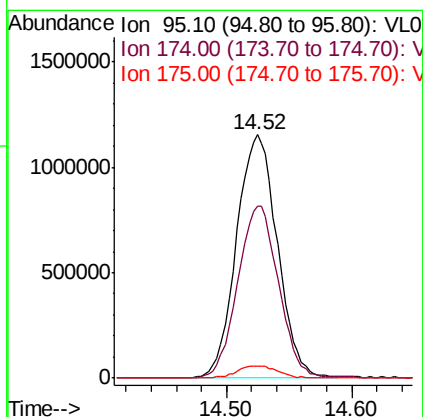
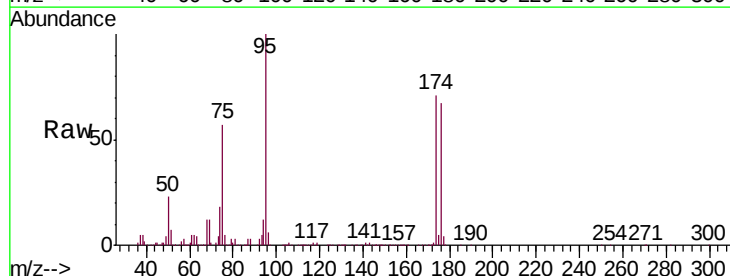
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL073019

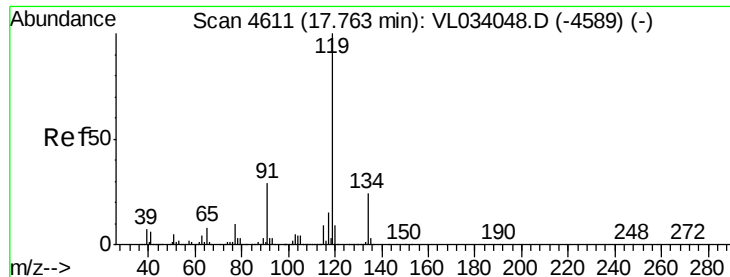
Tgt Ion: 105 Resp: 6045160
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.3 21.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.953 ppbv
 RT: 14.52 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VL034055.D
 Acq: 30 Jul 2019 7:18

Tgt Ion: 95 Resp: 2608548
 Ion Ratio Lower Upper
 95 100
 174 71.3 57.6 86.4
 175 5.2 4.1 6.1

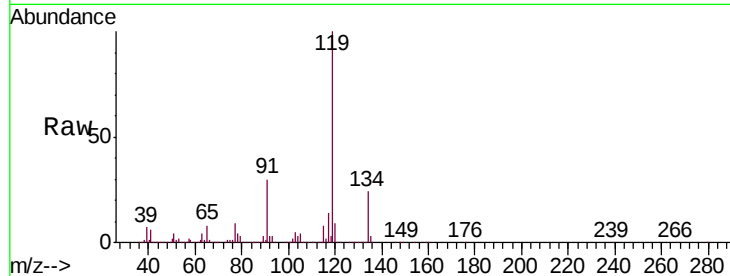




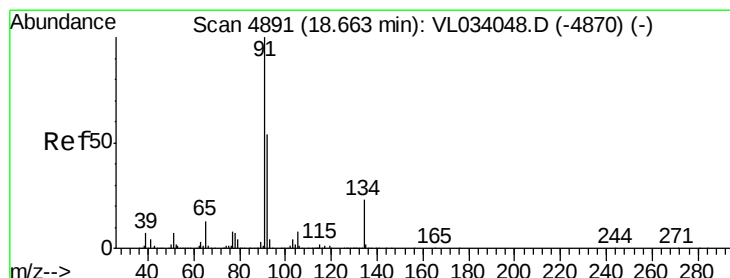
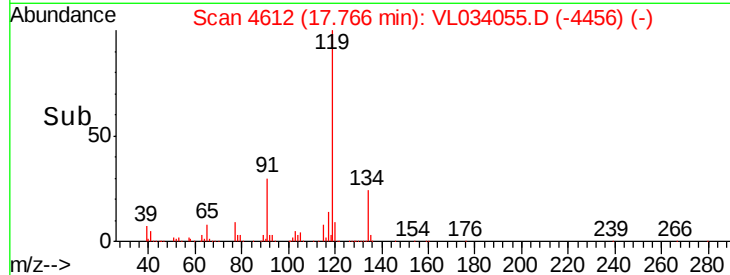
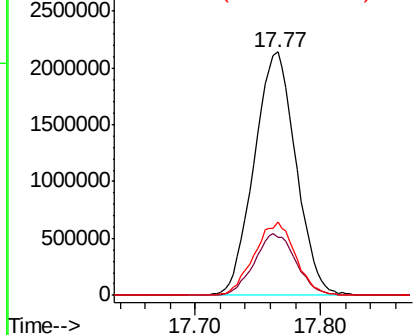
#69
p-Isopropyltoluene
Concen: 7.807 ppbv
RT: 17.77 min Scan# 4612
Delta R.T. 0.00 min
Lab File: VL034055.D
Acq: 30 Jul 2019 7:18

Instrument :
MSVOA_L
ClientSampleId :
ICVVL073019

Tgt Ion: 119 Resp: 4956384
Ion Ratio Lower Upper
119 100
134 25.3 20.1 30.1
91 29.8 23.6 35.4

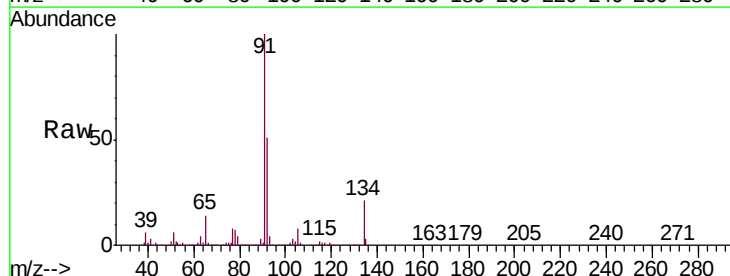


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

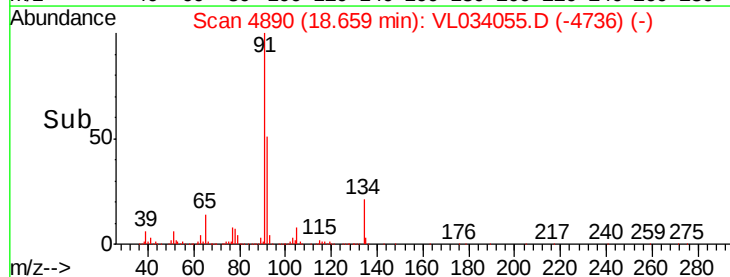
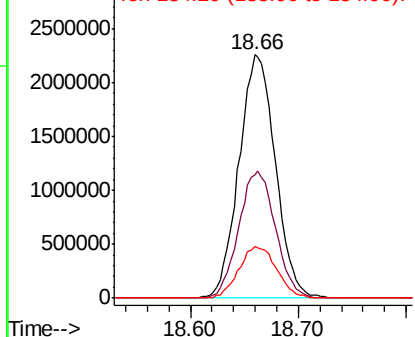


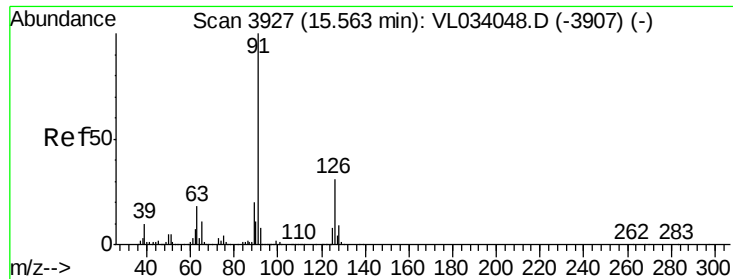
#70
n-Butylbenzene
Concen: 7.877 ppbv
RT: 18.66 min Scan# 4890
Delta R.T. -0.00 min
Lab File: VL034055.D
Acq: 30 Jul 2019 7:18

Tgt Ion: 91 Resp: 5293981
Ion Ratio Lower Upper
91 100
92 52.7 42.6 64.0
134 22.0 17.7 26.5



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

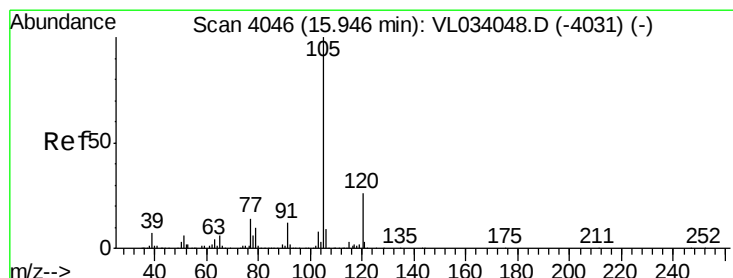
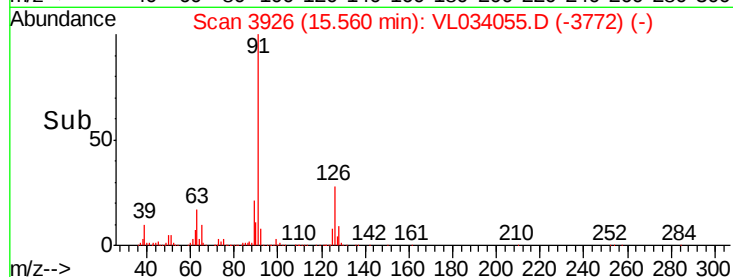
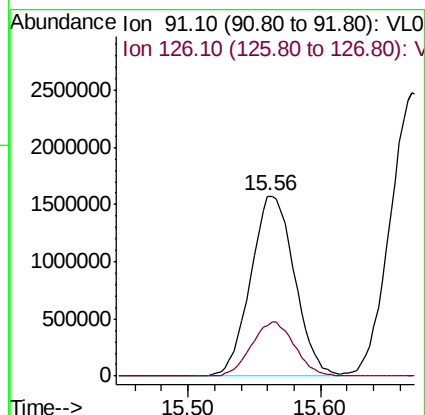
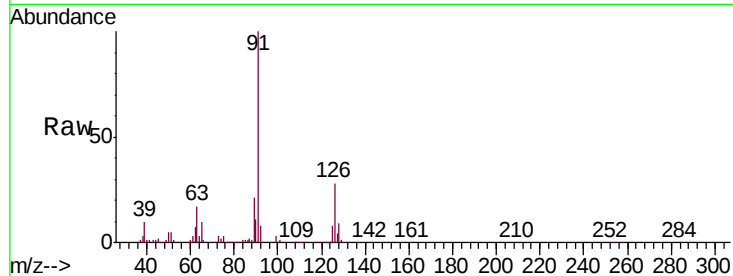




#71
 2-Chlorotoluene
 Concen: 8.410 ppbv
 RT: 15.56 min Scan# 3926
 Delta R.T. -0.00 min
 Lab File: VL034055.D
 Acq: 30 Jul 2019 7:18

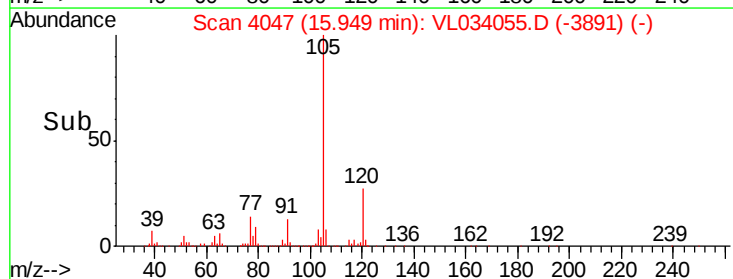
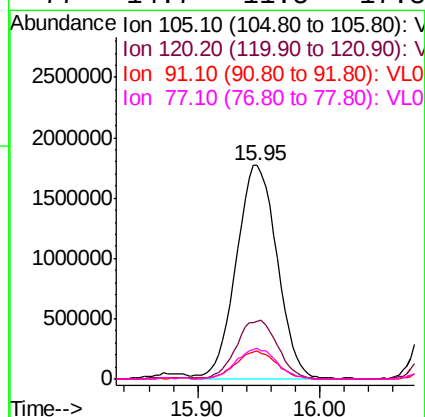
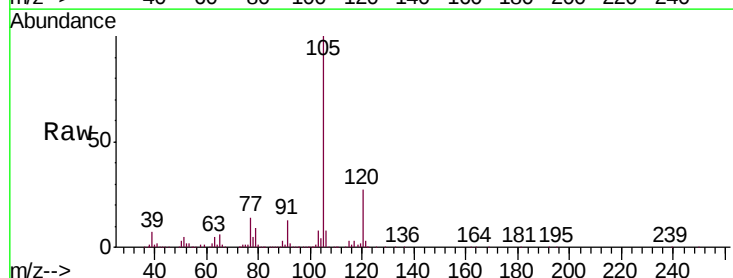
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL073019

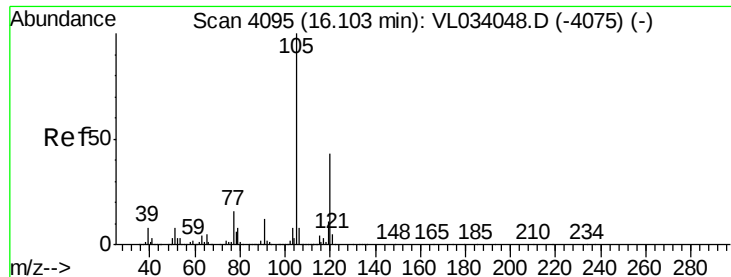
Tgt Ion: 91 Resp: 3629311
 Ion Ratio Lower Upper
 91 100
 126 29.9 12.0 48.2



#72
 4-Ethyltoluene
 Concen: 8.151 ppbv
 RT: 15.95 min Scan# 4047
 Delta R.T. 0.00 min
 Lab File: VL034055.D
 Acq: 30 Jul 2019 7:18

Tgt Ion: 105 Resp: 4089469
 Ion Ratio Lower Upper
 105 100
 120 27.9 23.0 34.4
 91 13.4 10.6 16.0
 77 14.7 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 7.732 ppbv

RT: 16.11 min Scan# 4096

Delta R.T. 0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

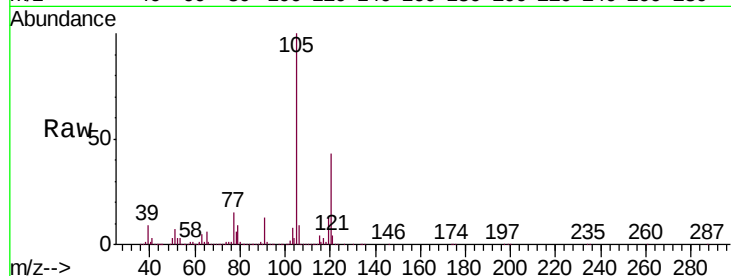
ICVVL073019

Tgt Ion:105 Resp: 3947918

Ion Ratio Lower Upper

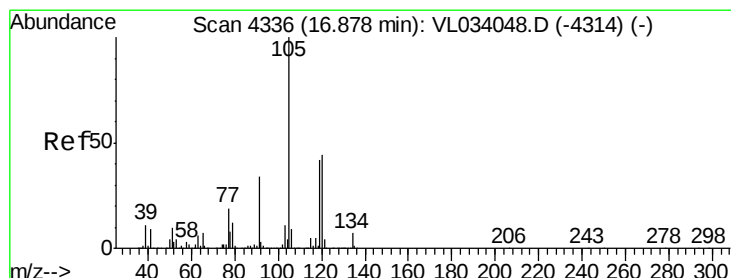
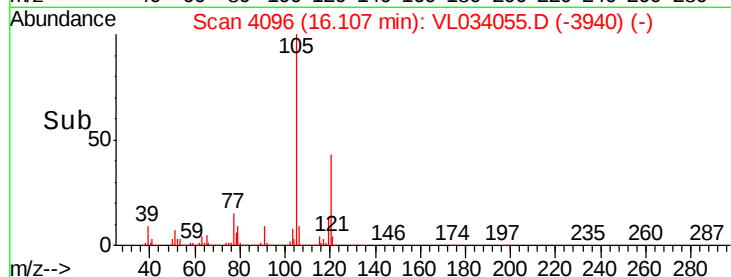
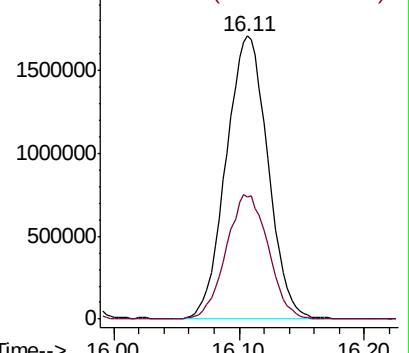
105 100

120 43.1 34.7 52.1



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: 7.239 ppbv

RT: 16.87 min Scan# 4334

Delta R.T. -0.01 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Tgt Ion:105 Resp: 4060280

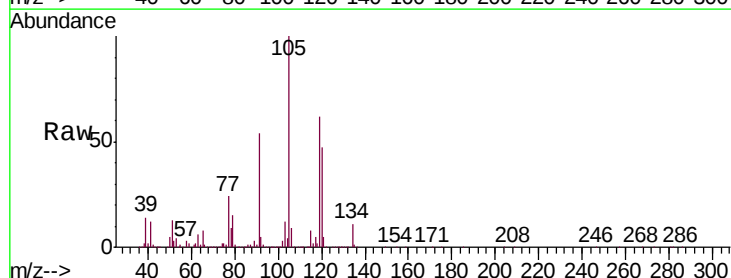
Ion Ratio Lower Upper

105 100

120 46.7 35.6 53.4

91 54.0 28.0 42.0#

77 23.4 15.2 22.8#

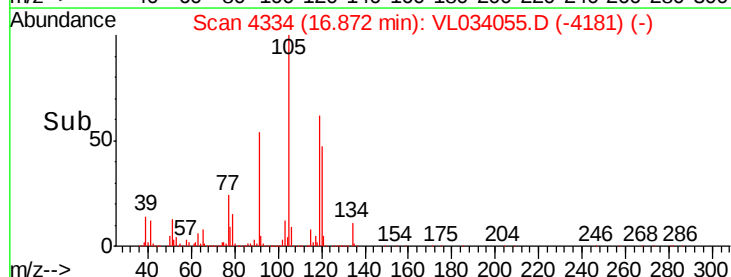
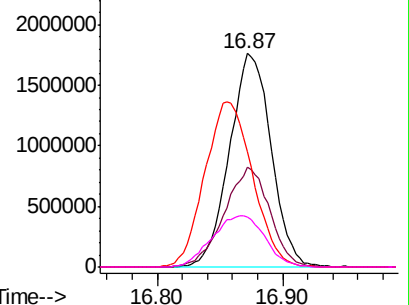


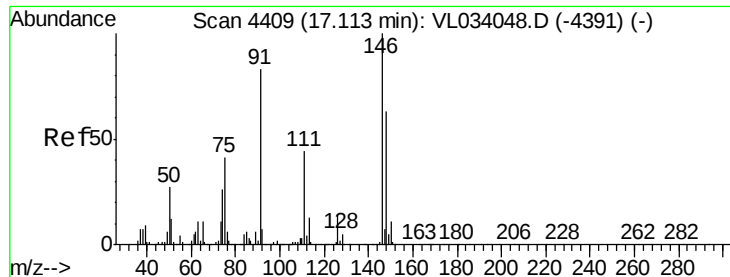
Abundance Ion 105.10 (104.80 to 105.80): V

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

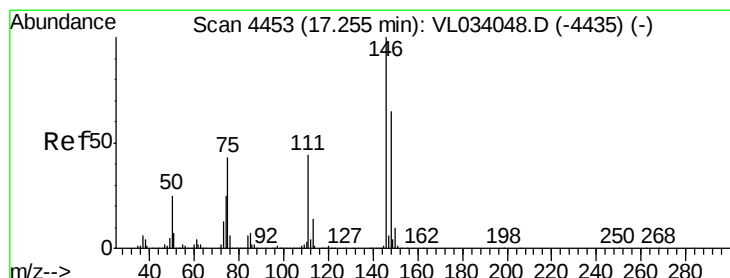
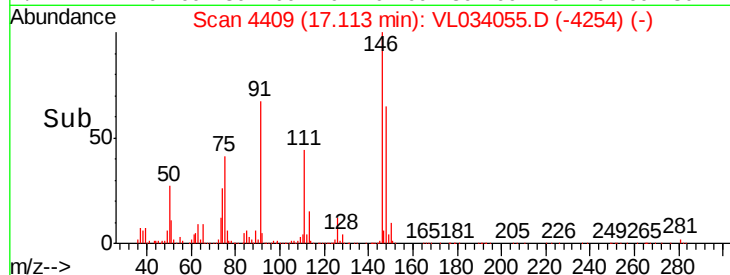
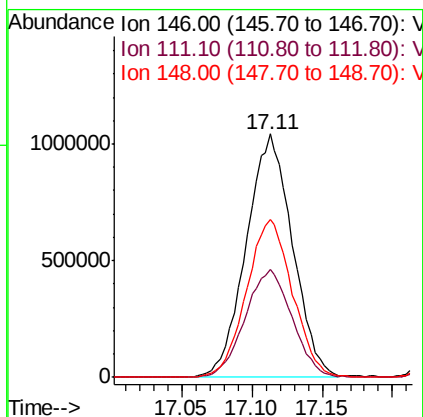
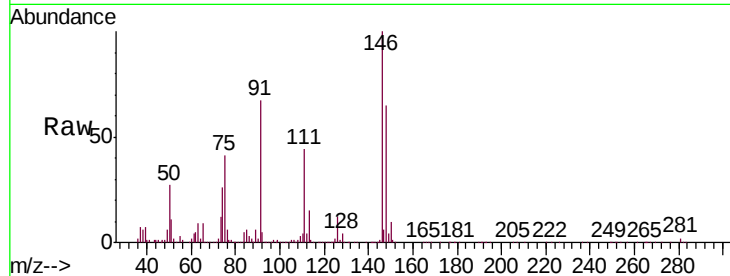




#75
 1,3-Dichlorobenzene
 Concen: 6.803 ppbv
 RT: 17.11 min Scan# 4409
 Delta R.T. -0.00 min
 Lab File: VL034055.D
 Acq: 30 Jul 2019 7:18

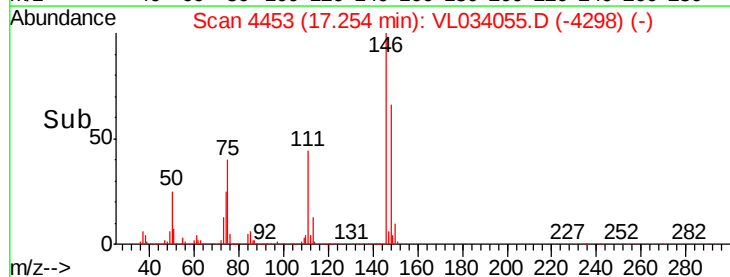
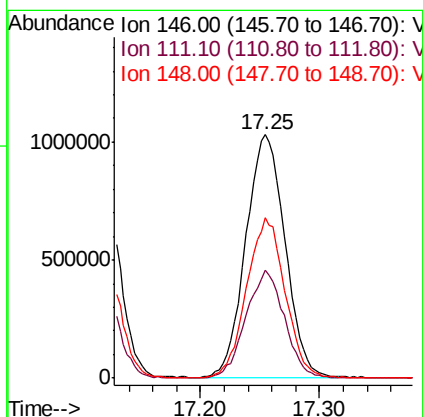
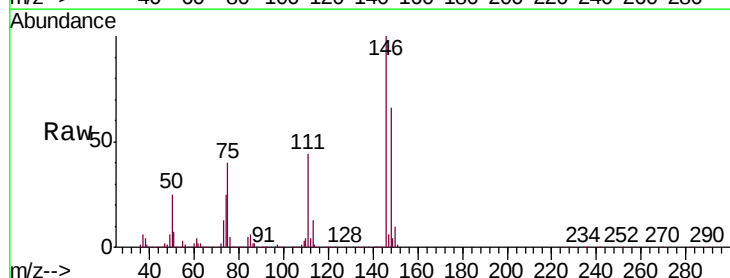
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL073019

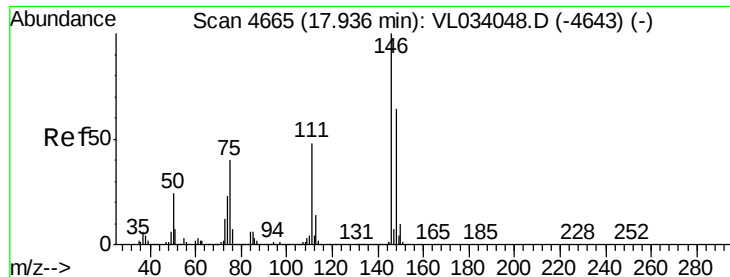
Tgt Ion:146 Resp: 2380459
 Ion Ratio Lower Upper
 146 100
 111 45.3 22.1 66.5
 148 64.8 32.0 96.2



#76
 1,4-Dichlorobenzene
 Concen: 7.122 ppbv
 RT: 17.25 min Scan# 4453
 Delta R.T. -0.00 min
 Lab File: VL034055.D
 Acq: 30 Jul 2019 7:18

Tgt Ion:146 Resp: 2352242
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.8 65.4
 148 64.8 32.3 96.9

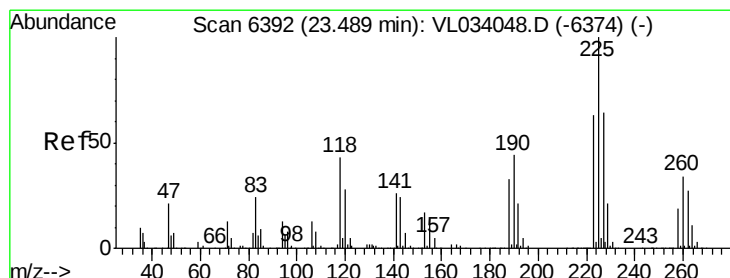
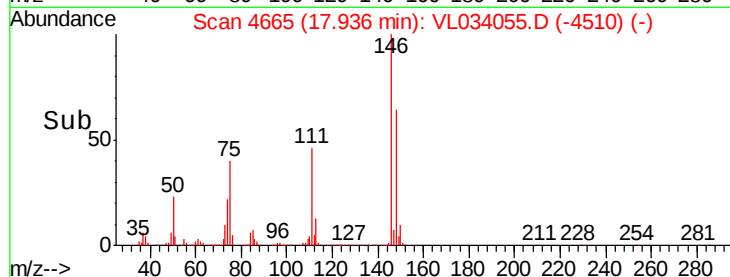
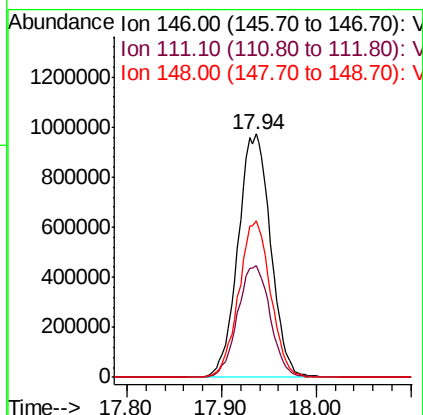
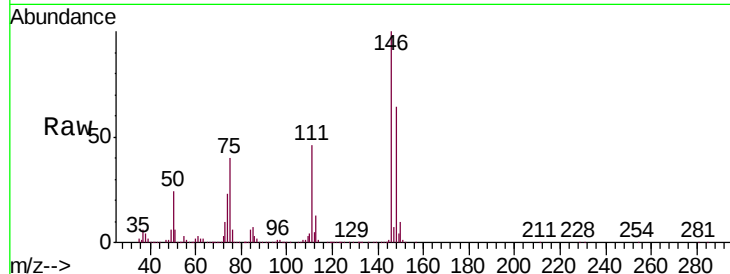




#77
 1,2-Dichlorobenzene
 Concen: 7.234 ppbv
 RT: 17.94 min Scan# 4665
 Delta R.T. -0.00 min
 Lab File: VL034055.D
 Acq: 30 Jul 2019 7:18

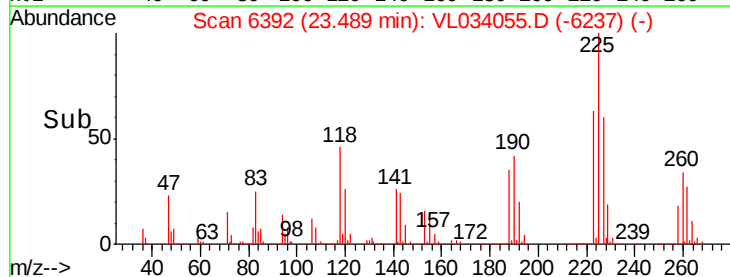
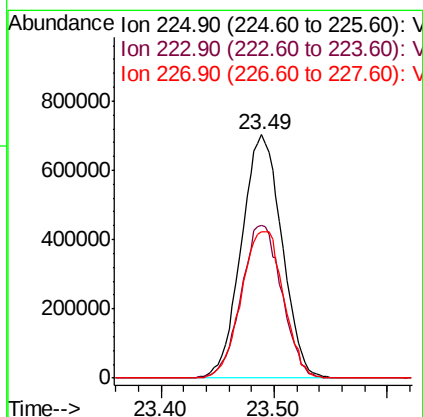
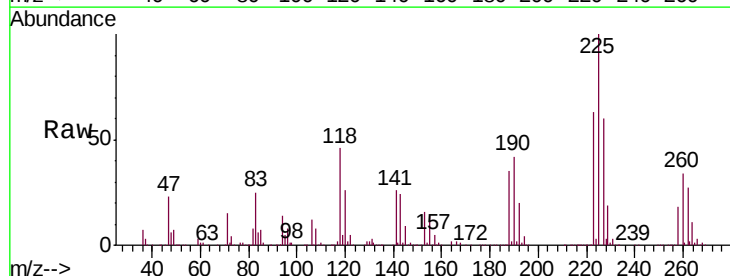
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL073019

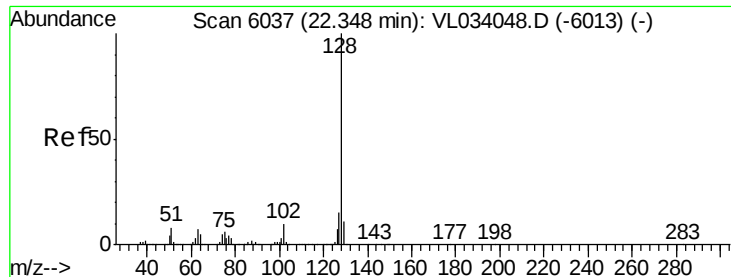
Tgt Ion:146 Resp: 2330739
 Ion Ratio Lower Upper
 146 100
 111 46.0 23.4 70.2
 148 62.9 32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 5.907 ppbv
 RT: 23.49 min Scan# 6392
 Delta R.T. -0.00 min
 Lab File: VL034055.D
 Acq: 30 Jul 2019 7:18

Tgt Ion:225 Resp: 1750840
 Ion Ratio Lower Upper
 225 100
 223 63.0 49.6 74.4
 227 62.8 51.4 77.2





#79

Naphthalene

Concen: 7.207 ppbv

RT: 22.34 min Scan# 6035

Delta R.T. -0.01 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL073019

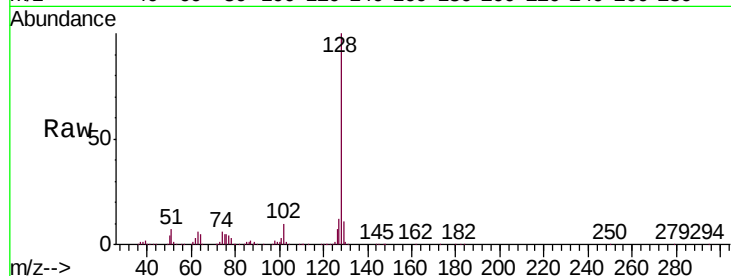
Tgt Ion:128 Resp: 3523532

Ion Ratio Lower Upper

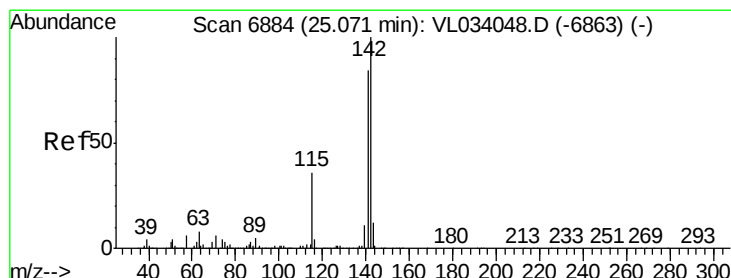
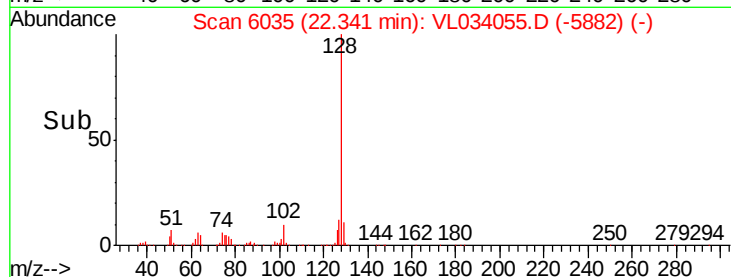
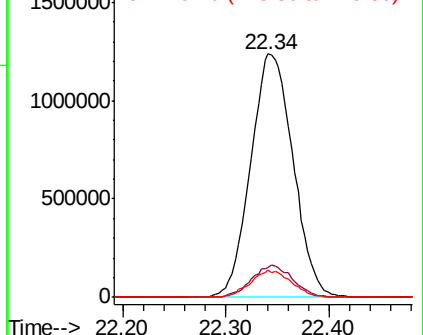
128 100

127 12.3 11.8 17.6

129 11.4 9.1 13.7



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 3.955 ppbv

RT: 25.07 min Scan# 6883

Delta R.T. -0.00 min

Lab File: VL034055.D

Acq: 30 Jul 2019 7:18

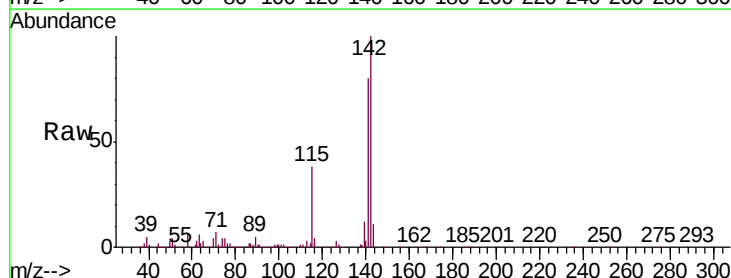
Tgt Ion:142 Resp: 674210

Ion Ratio Lower Upper

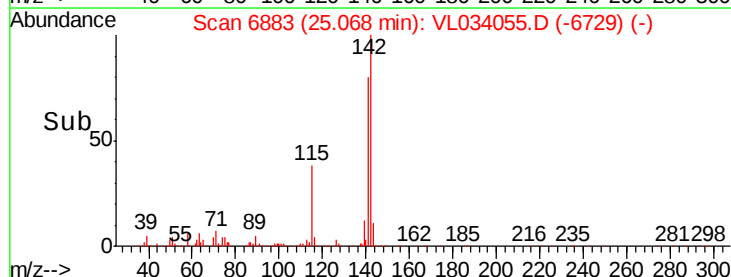
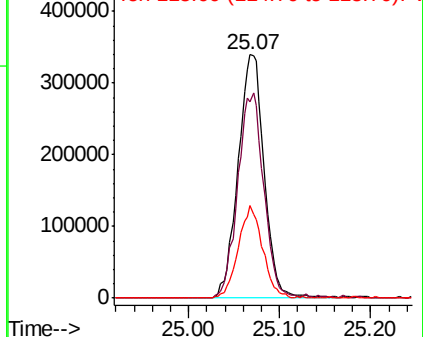
142 100

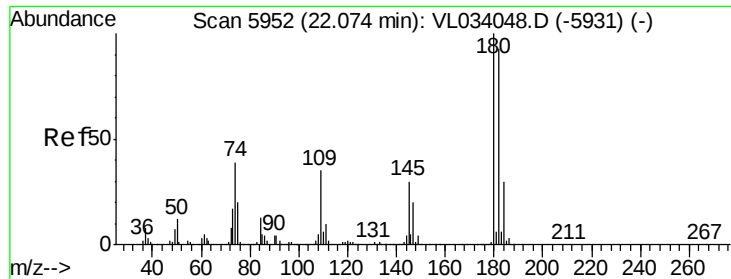
141 85.0 67.6 101.4

115 35.7 29.8 44.6



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

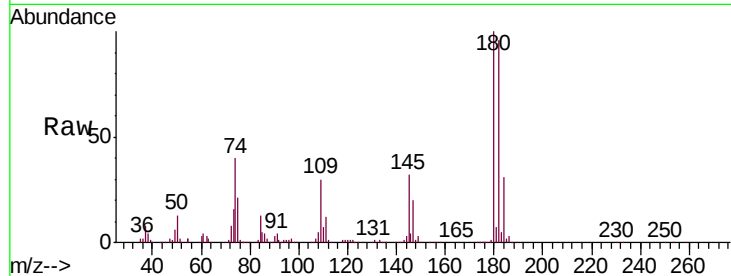




#81
 1,2,4-Trichlorobenzene
 Concen: 3.025 ppbv
 RT: 22.07 min Scan# 5952
 Delta R.T. -0.00 min
 Lab File: VL034055.D
 Acq: 30 Jul 2019 7:18

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL073019

Tgt Ion:180 Resp: 953643
 Ion Ratio Lower Upper
 180 100
 182 206.5 76.5 114.7#
 184 66.4 24.5 36.7#



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

