

Data File : VL034019.D
Acq On : 11 Jul 2019 15:21
Operator : SY/AP
Sample : VL0711ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0711ABS01

Quant Time: Jul 12 07:00:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	1068193	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.25	114	2889073	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.19	117	2981749	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.53	95	2263962	8.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.00%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.06	85	2214154	10.044	ppbv	96
3) Chlorodifluoromethane	2.99	51	1293910	9.809	ppbv	99
4) Chloromethane	3.15	50	751821	9.912	ppbv	95
5) Vinyl Chloride	3.27	62	822169	9.640	ppbv	98
6) Bromomethane	3.49	94	538300	10.703	ppbv	94
7) Chloroethane	3.58	64	315928	10.364	ppbv	93
8) Dichlorotetrafluoroethane	3.20	85	2117165	9.851	ppbv	100
9) Propene	3.01	41	508371	10.477	ppbv	97
10) Heptane	8.21	43	1444187	11.886	ppbv	100
11) Trichlorofluoromethane	3.98	101	2258511	9.112	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1629883	9.290	ppbv	99
13) Ethanol	3.63	45	135603	8.995	ppbv	96
14) Bromoethene	3.76	108	694806	10.605	ppbv	99
15) Acetone	3.88	43	1518479	8.455	ppbv	100
16) 1,3-Butadiene	3.34	39	683091	10.771	ppbv	100
17) tert-Butyl alcohol	4.33	59	1480035	10.336	ppbv	99
18) 1,1-Dichloroethene	4.32	96	761722	9.748	ppbv	93
19) Isopropyl Alcohol	4.00	45	1151871	9.555	ppbv	99
20) Methylene Chloride	4.38	84	654665	8.358	ppbv	99
21) Allyl Chloride	4.45	41	1109636	9.909	ppbv	100
22) trans-1,2-Dichloroethene	4.93	96	756180	10.155	ppbv	97
23) Vinyl Acetate	5.12	43	1966497	10.970	ppbv	99
24) 1,1-Dichloroethane	5.06	63	1605677	10.107	ppbv	100
25) Ethyl Acetate	5.73	43	2585001	10.524	ppbv	100
26) Hexane	5.74	57	1187555	10.565	ppbv	99
27) Carbon Disulfide	4.59	76	1956158	10.236	ppbv	99
28) Methyl tert-Butyl Ether	5.08	73	2068022	10.864	ppbv	99
29) Chloroform	5.81	83	2060206	9.753	ppbv	97
30) Cyclohexane	7.21	84	1054942	12.152	ppbv	96
31) cis-1,2-Dichloroethene	5.61	61	1218598	11.221	ppbv	96
32) 1,1,1-Trichloroethane	6.59	97	2108657	9.849	ppbv	99
34) 2-Butanone	5.30	43	1575669	10.305	ppbv	100
35) Carbon Tetrachloride	7.10	117	2269923	9.925	ppbv	99
36) Benzene	6.97	78	2454107	10.856	ppbv	98
37) 1,2-Dichloroethane	6.38	62	1600457	9.610	ppbv	99
38) Trichloroethene	7.92	130	1104386	10.980	ppbv	96
39) 1,2-Dichloropropane	7.70	63	904977	10.766	ppbv	98
40) 1,4-Dioxane	7.92	88	431661	11.122	ppbv #	93
41) Tetrahydrofuran	6.11	42	833448	11.115	ppbv	98
42) Bromodichloromethane	7.88	83	2307493	10.326	ppbv	97
43) Methyl Methacrylate	8.10	69	1022337	11.919	ppbv	99

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.95	57	4278347	10.964	ppbv	99
45) t-1,3-Dichloropropene	9.37	75	1386986	12.366	ppbv	96
46) cis-1,3-Dichloropropene	8.80	75	1568242	12.073	ppbv	99
47) 1,1,2-Trichloroethane	9.58	97	1094765	10.358	ppbv	94
48) Dibromochloromethane	10.41	129	1998628	9.910	ppbv	100
49) Bromoform	13.16	173	1764248	10.240	ppbv	100
50) 4-Methyl-2-Pentanone	8.83	43	2456160	10.825	ppbv	99
51) 2-Hexanone	10.23	43	2027534	11.080	ppbv #	100
52) Tetrachloroethene	11.33	164	1044454	10.735	ppbv	96
53) Toluene	9.91	91	3101041	11.984	ppbv	98
54) 1,2-Dibromoethane	10.72	107	1693770	10.859	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.24	131	1330935	9.987	ppbv	97
57) Chlorobenzene	12.26	112	2382668	10.037	ppbv	99
58) Ethyl Benzene	12.82	91	4058572	11.319	ppbv	99
59) m/p-Xylene	13.10	91	3323360	10.236	ppbv #	29
60) o-Xylene	13.81	91	3350730	10.317	ppbv	99
61) Styrene	13.64	104	2494905	11.607	ppbv	99
62) Isopropylbenzene	14.79	105	4482359	8.977	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.79	83	2241041	8.914	ppbv	100
64) n-propylbenzene	15.68	120	1156988	8.936	ppbv	99
65) tert-Butylbenzene	16.87	119	3992160	9.402	ppbv	99
66) Benzyl Chloride	17.11	91	2155402	9.922	ppbv	100
67) sec-Butylbenzene	17.42	105	5642597	9.468	ppbv	99
69) p-Isopropyltoluene	17.77	119	4704116	9.573	ppbv	99
70) n-Butylbenzene	18.67	91	4955632	9.600	ppbv	99
71) 2-Chlorotoluene	15.57	91	3401805	9.310	ppbv	100
72) 4-Ethyltoluene	15.96	105	3976300	9.533	ppbv	98
73) 1,3,5-Trimethylbenzene	16.11	105	3776587	9.731	ppbv	100
74) 1,2,4-Trimethylbenzene	16.88	105	3859394	8.978	ppbv	98
75) 1,3-Dichlorobenzene	17.12	146	2338755	8.565	ppbv	100
76) 1,4-Dichlorobenzene	17.26	146	2299222	8.941	ppbv	100
77) 1,2-Dichlorobenzene	17.95	146	2272618	8.988	ppbv	99
78) Hexachloro-1,3-Butadiene	23.50	225	1967936	9.147	ppbv	99
79) Naphthalene	22.36	128	4255564	11.776	ppbv	97
80) Naphthalene,2-methyl-	25.08	142	1081567	8.224	ppbv	99
81) 1,2,4-Trichlorobenzene	22.08	180	2442877	10.525	ppbv	99

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

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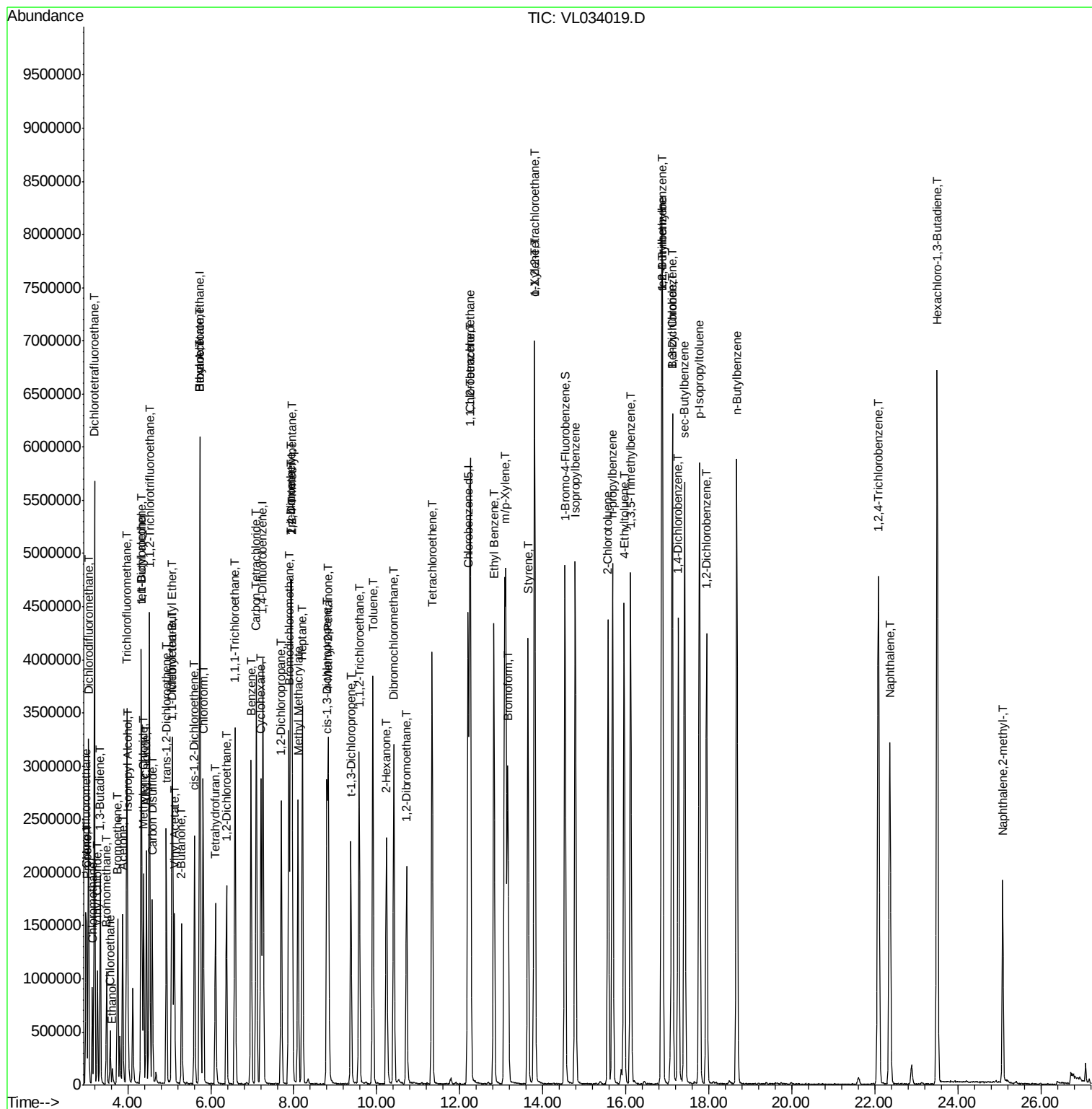
Quant Time: Jul 12 07:00:24 2019

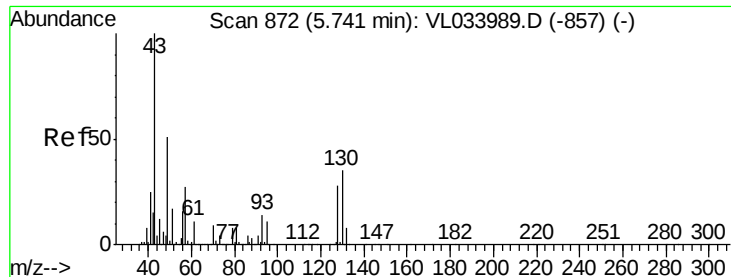
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL070219AIR.M

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 869

Delta R.T. -0.01 min

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ClientSampleId :

VL0711ABS01

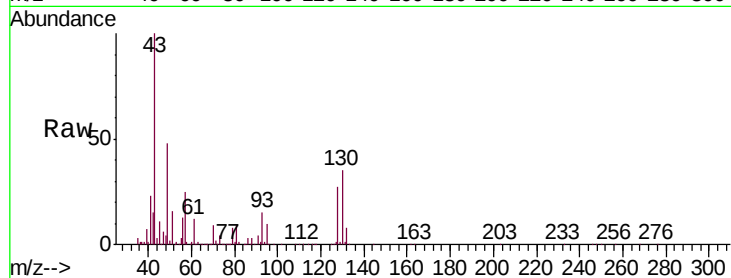
Tgt Ion: 49 Resp: 1068193

Ion Ratio Lower Upper

49 100

128 56.2 27.9 83.6

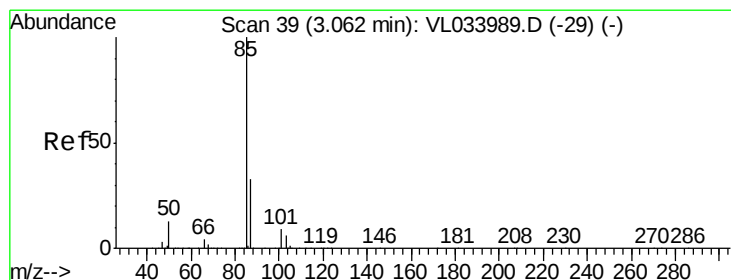
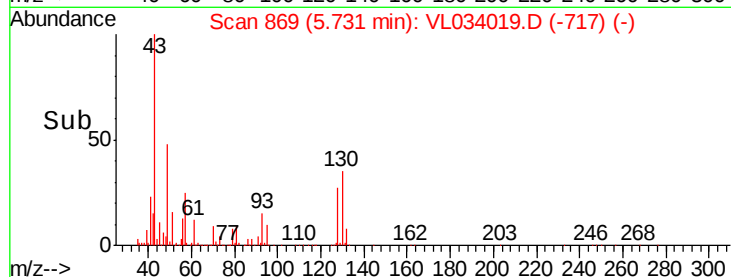
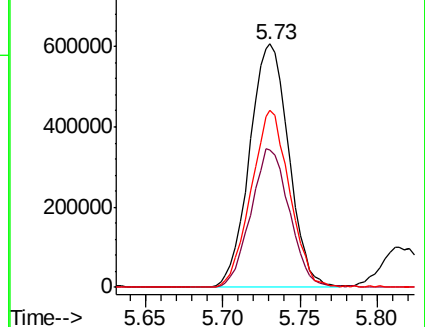
130 71.7 35.8 107.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 10.044 ppbv

RT: 3.06 min Scan# 37

Delta R.T. -0.01 min

Lab File: VL034019.D

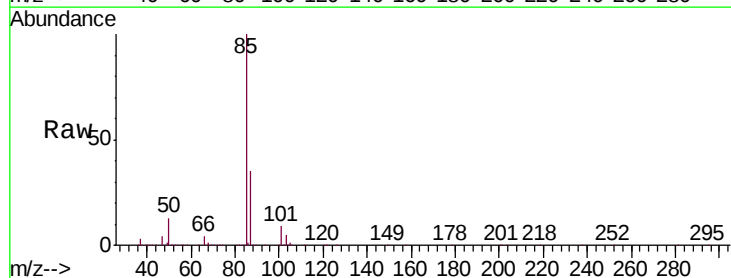
Acq: 11 Jul 2019 15:21

Tgt Ion: 85 Resp: 2214154

Ion Ratio Lower Upper

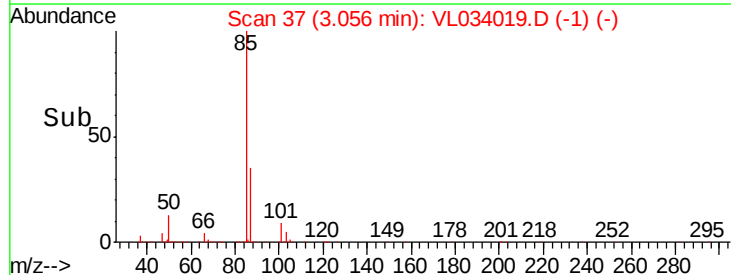
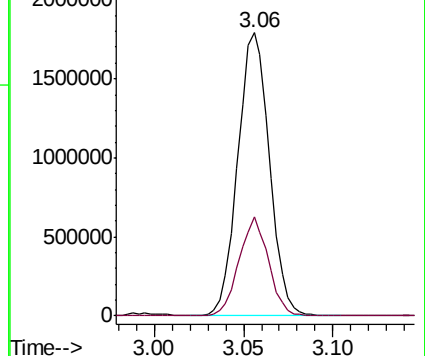
85 100

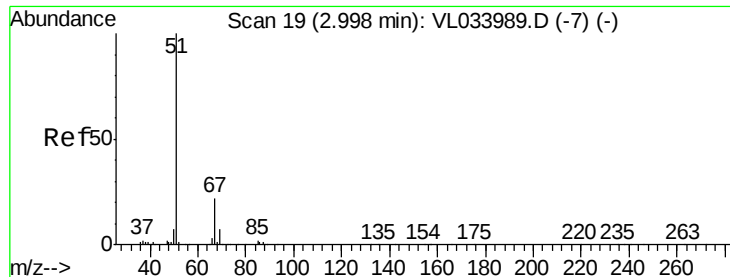
87 34.8 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.809 ppbv

RT: 2.99 min Scan# 18

Delta R.T. -0.00 min

Lab File: VL034019.D

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ClientSampleId :

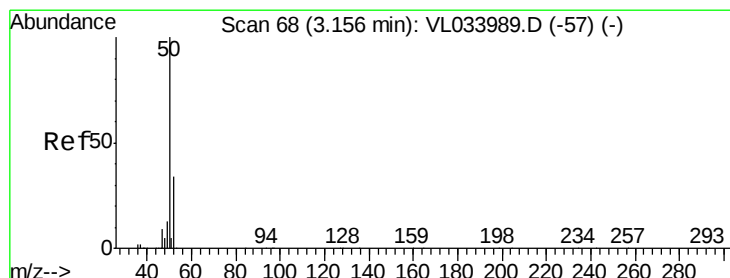
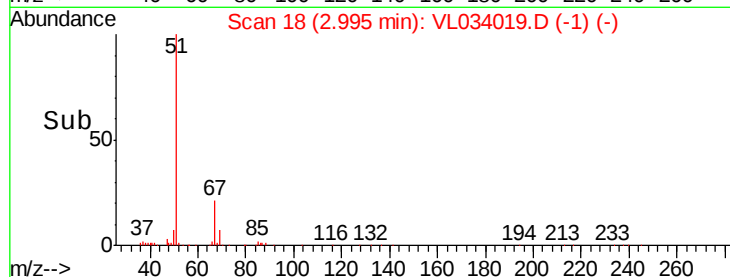
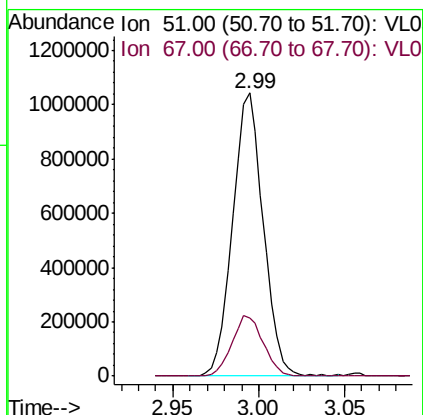
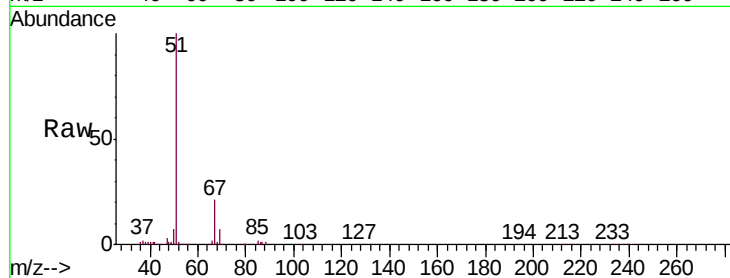
VL0711ABS01

Tgt Ion: 51 Resp: 1293910

Ion Ratio Lower Upper

51 100

67 22.2 17.3 25.9



#4

Chloromethane

Concen: 9.912 ppbv

RT: 3.15 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL034019.D

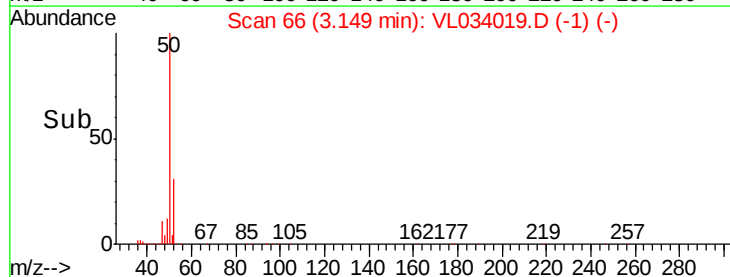
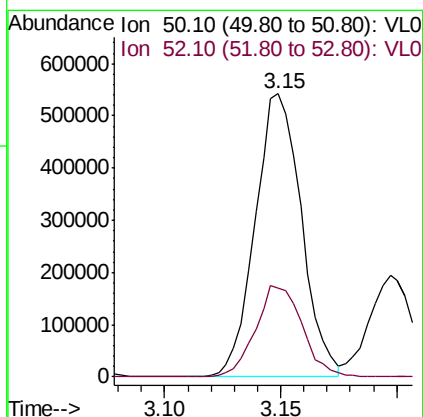
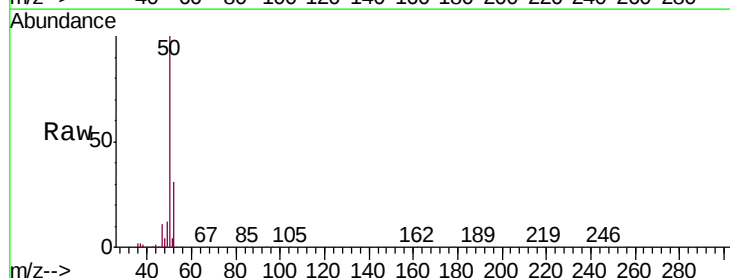
Acq: 11 Jul 2019 15:21

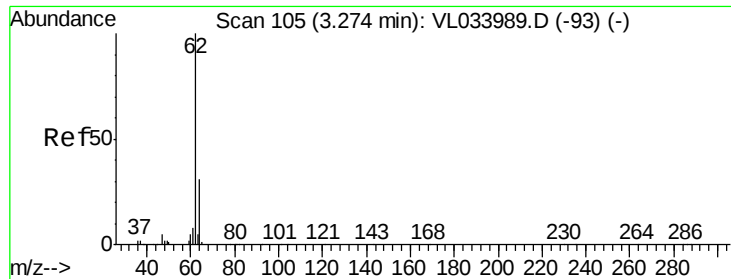
Tgt Ion: 50 Resp: 751821

Ion Ratio Lower Upper

50 100

52 31.2 27.4 41.0





#5

Vinyl Chloride

Concen: 9.640 ppbv

RT: 3.27 min Scan# 103

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Instrument :

MSVOA_L

ClientSampleId :

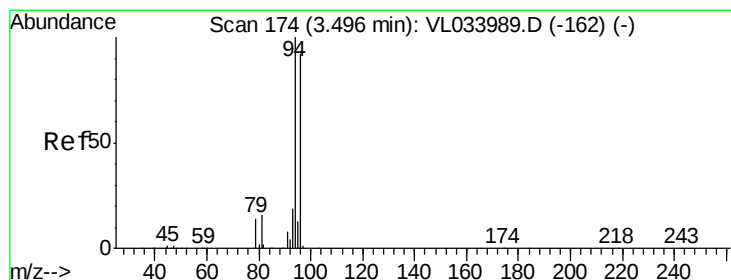
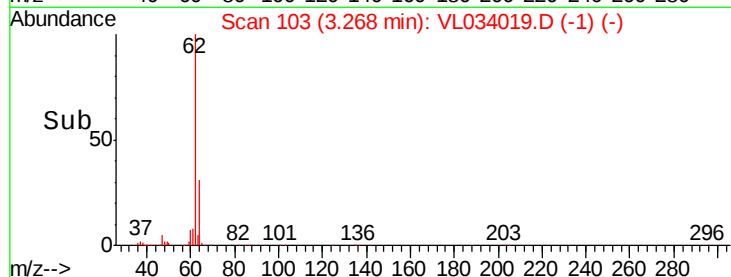
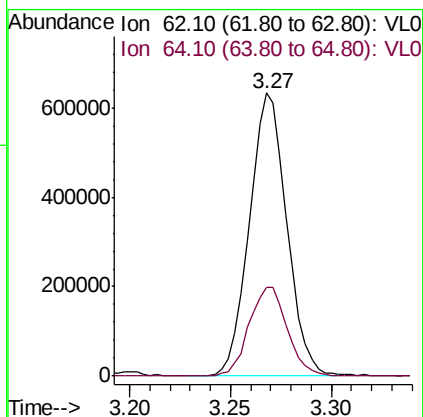
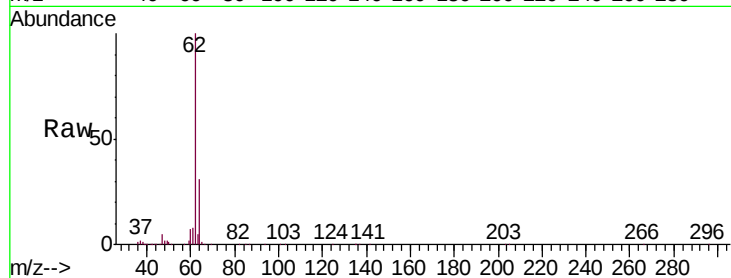
VL0711ABS01

Tgt Ion: 62 Resp: 822169

Ion Ratio Lower Upper

62 100

64 31.5 24.4 36.6



#6

Bromomethane

Concen: 10.703 ppbv

RT: 3.49 min Scan# 172

Delta R.T. -0.01 min

Lab File: VL034019.D

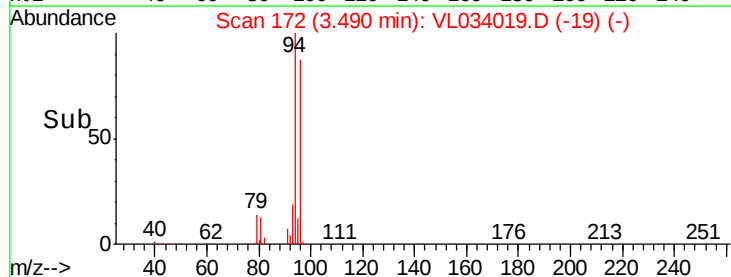
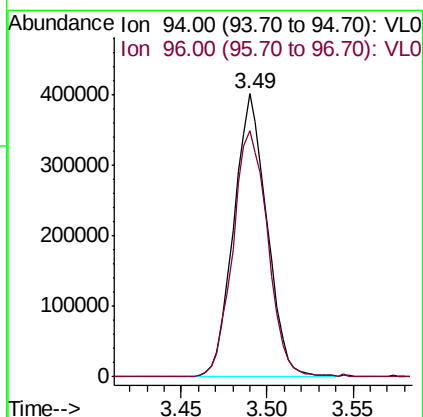
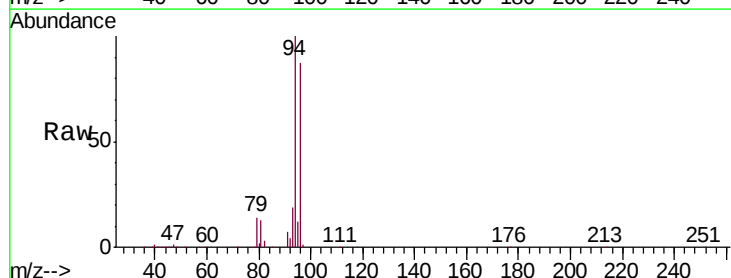
Acq: 11 Jul 2019 15:21

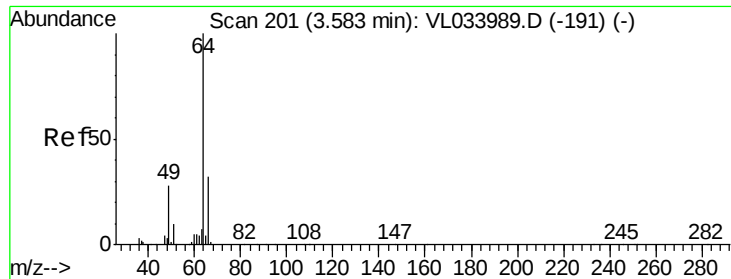
Tgt Ion: 94 Resp: 538300

Ion Ratio Lower Upper

94 100

96 87.0 73.8 110.8





#7

Chloroethane

Concen: 10.364 ppbv

RT: 3.58 min Scan# 200

Delta R.T. -0.00 min

Lab File: VL034019.D

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ClientSampleId :

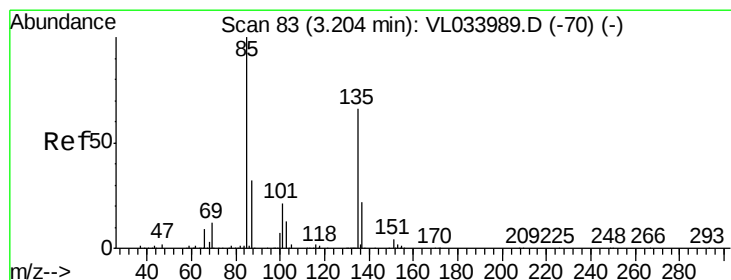
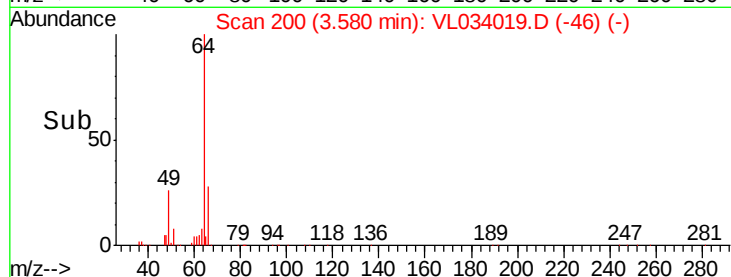
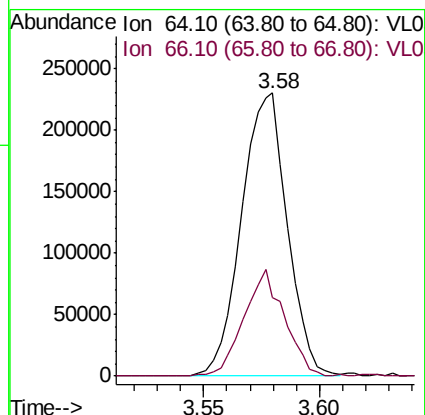
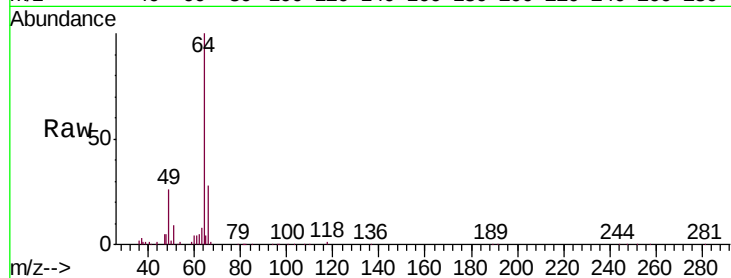
VL0711ABS01

Tgt Ion: 64 Resp: 315928

Ion Ratio Lower Upper

64 100

66 27.8 25.3 37.9



#8

Dichlorotetrafluoroethane

Concen: 9.851 ppbv

RT: 3.20 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL034019.D

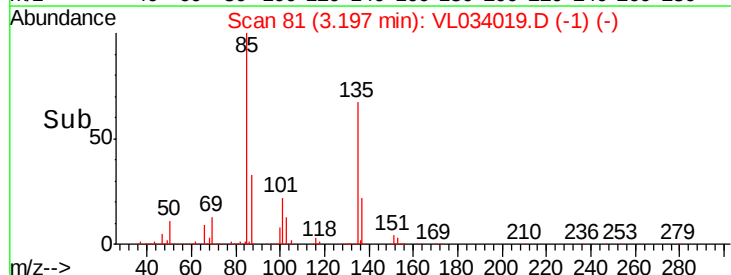
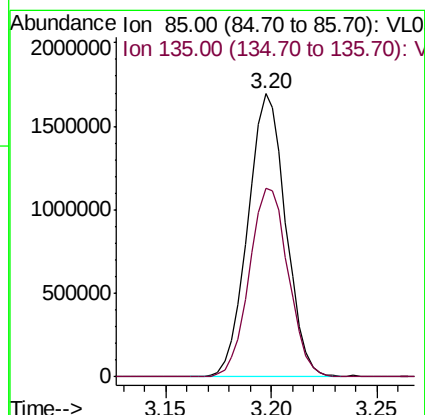
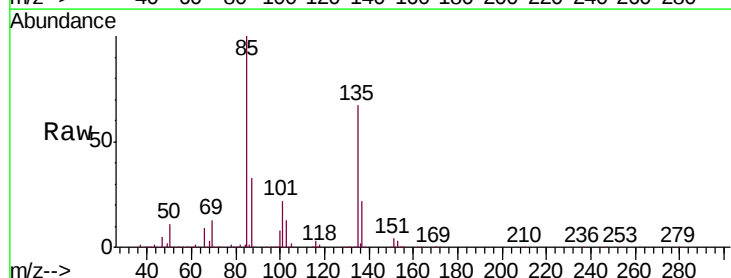
Acq: 11 Jul 2019 15:21

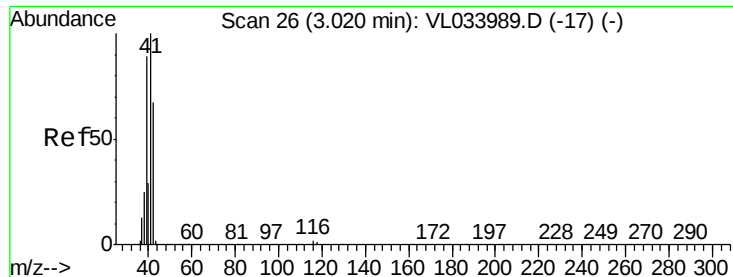
Tgt Ion: 85 Resp: 2117165

Ion Ratio Lower Upper

85 100

135 68.9 55.0 82.4





#9

Propene

Concen: 10.477 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.01 min

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ClientSampleId :

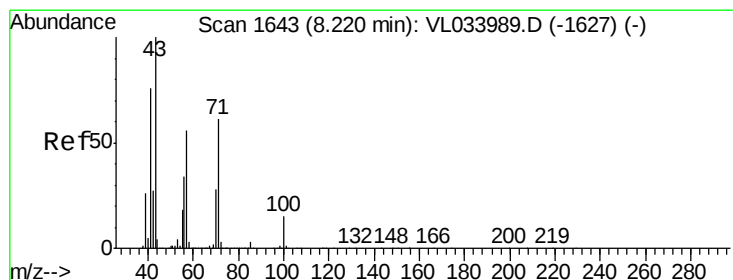
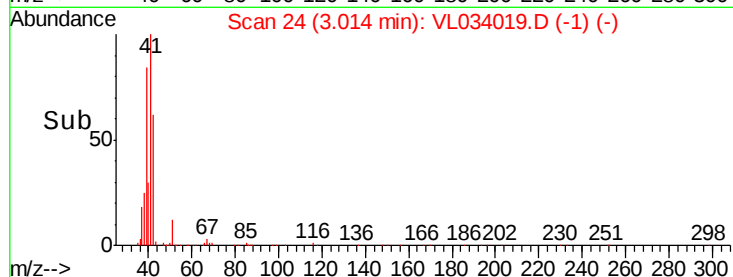
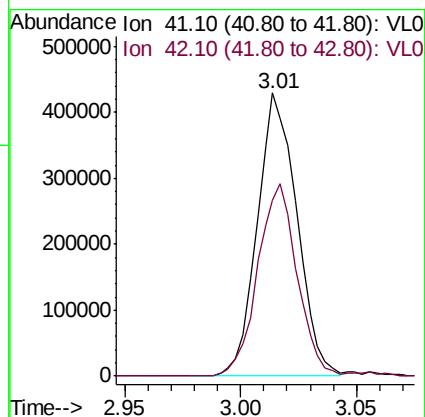
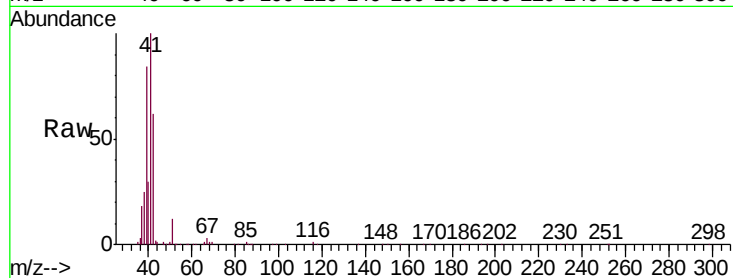
VL0711ABS01

Tgt Ion: 41 Resp: 508371

Ion Ratio Lower Upper

41 100

42 69.1 57.1 85.7



#10

Heptane

Concen: 11.886 ppbv

RT: 8.21 min Scan# 1639

Delta R.T. -0.01 min

Lab File: VL034019.D

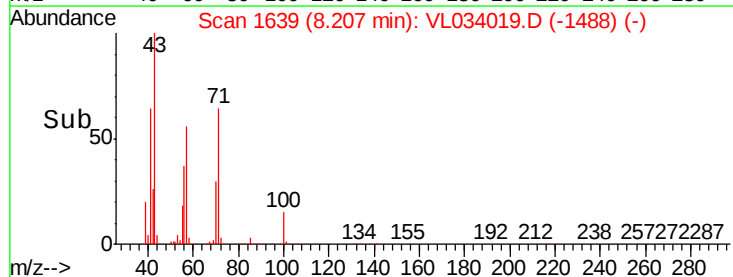
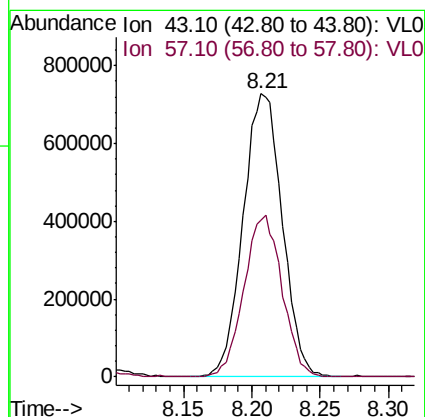
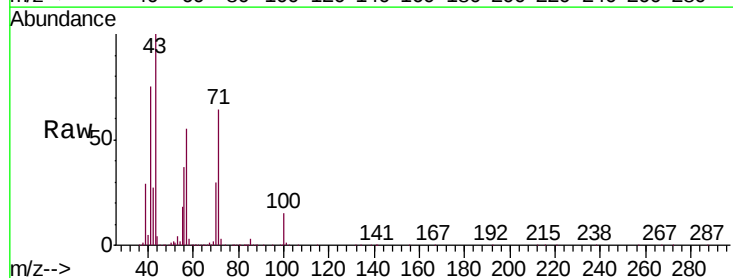
Acq: 11 Jul 2019 15:21

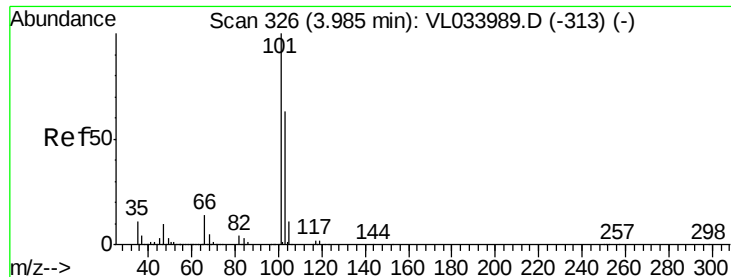
Tgt Ion: 43 Resp: 1444187

Ion Ratio Lower Upper

43 100

57 55.8 44.6 66.8





#11

Trichlorofluoromethane

Concen: 9.112 ppbv

RT: 3.98 min Scan# 324

Delta R.T. -0.01 min

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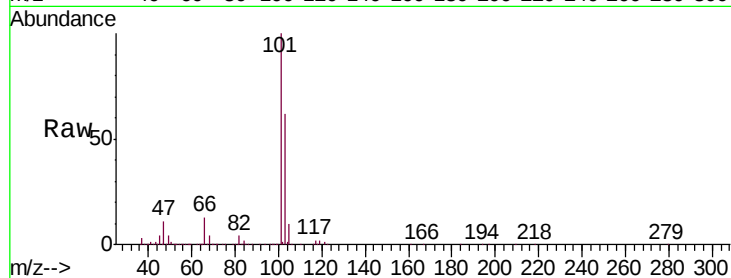
VL0711ABS01

Tgt Ion:101 Resp: 2258511

Ion Ratio Lower Upper

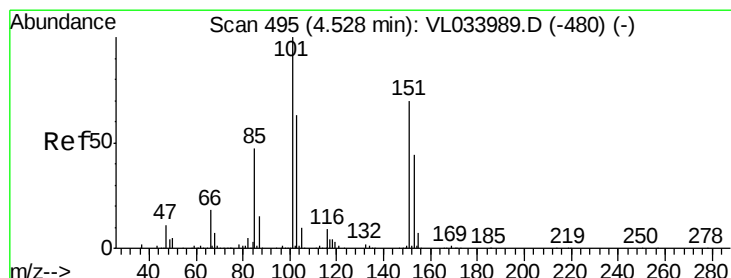
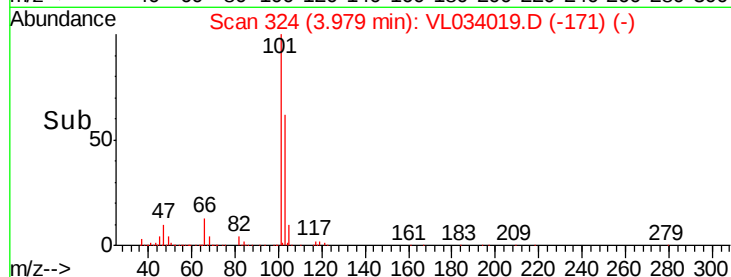
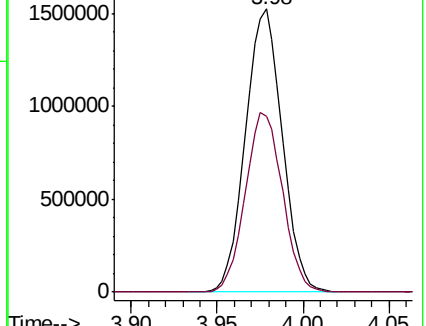
101 100

103 62.2 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.290 ppbv

RT: 4.53 min Scan# 494

Delta R.T. -0.00 min

Lab File: VL034019.D

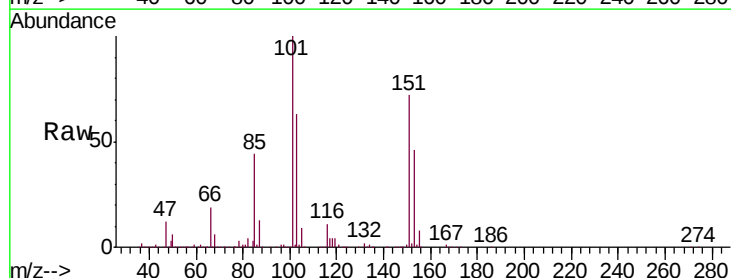
Acq: 11 Jul 2019 15:21

Tgt Ion:101 Resp: 1629883

Ion Ratio Lower Upper

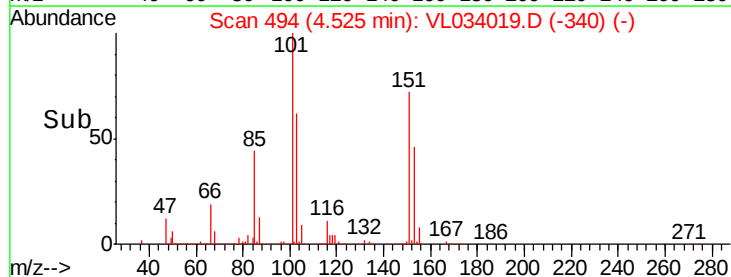
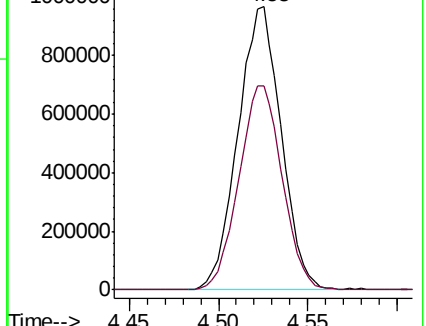
101 100

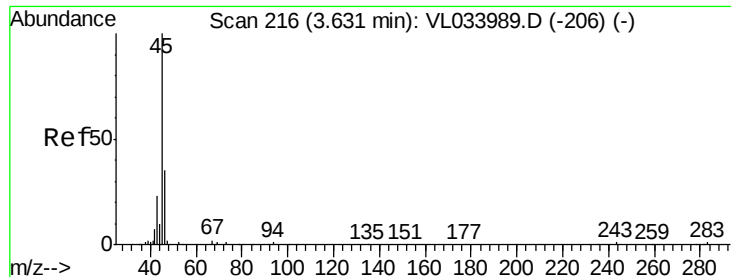
151 72.8 59.0 88.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

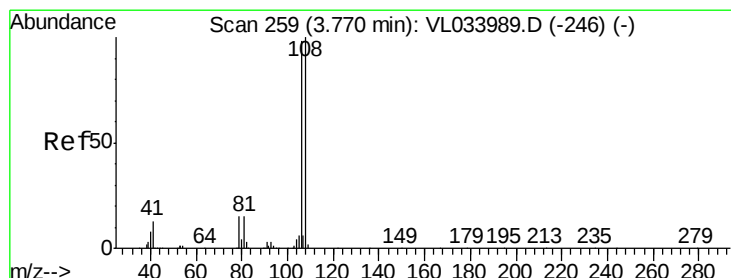
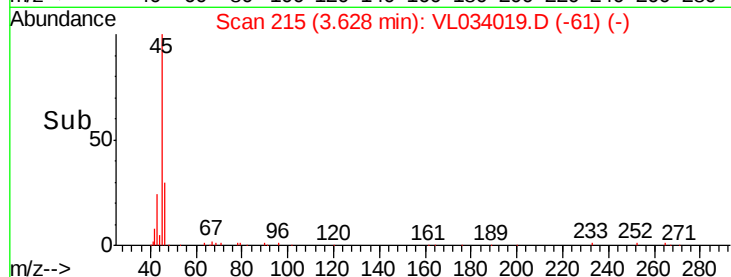
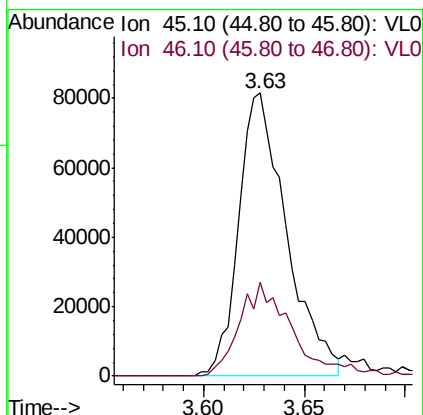
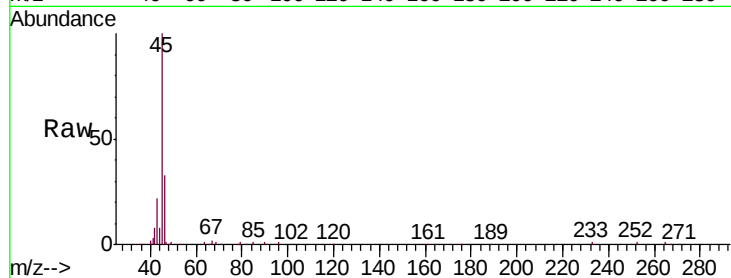




#13
Ethanol
Concen: 8.995 ppbv
RT: 3.63 min Scan# 215
Delta R.T. -0.00 min
Lab File: VL034019.D
Acq: 11 Jul 2019 15:21

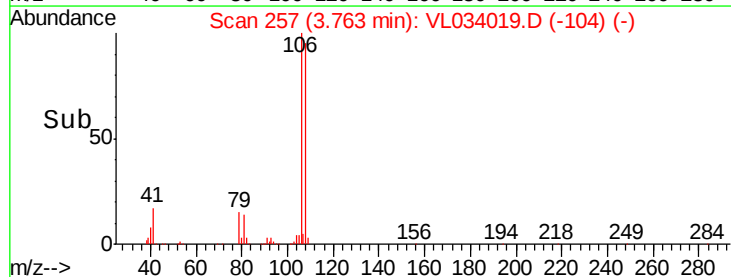
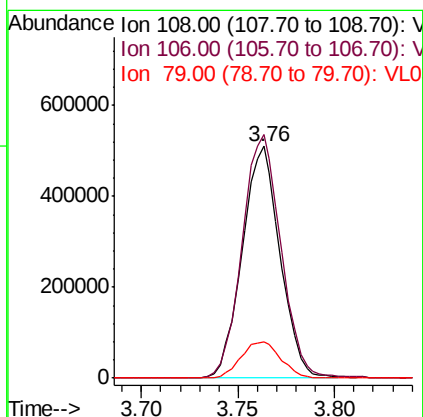
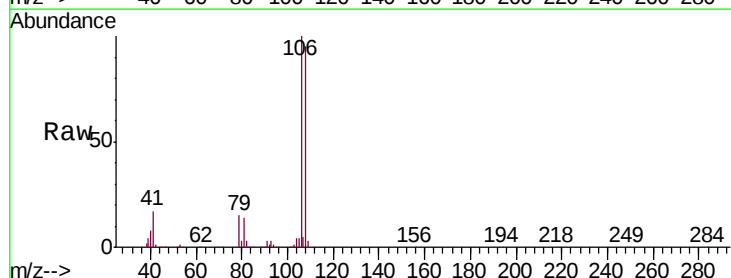
Instrument :
MSVOA_L
ClientSampleId :
VL0711ABS01

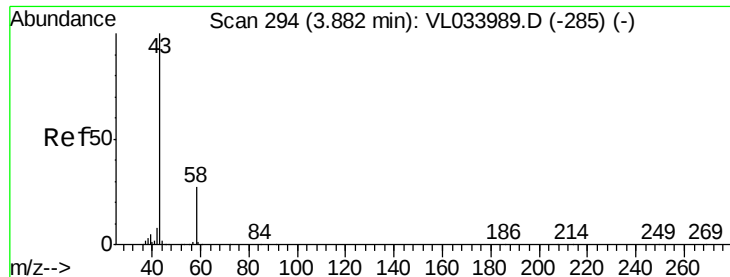
Tgt Ion: 45 Resp: 135603
Ion Ratio Lower Upper
45 100
46 37.7 16.2 64.6



#14
Bromoethene
Concen: 10.605 ppbv
RT: 3.76 min Scan# 257
Delta R.T. -0.01 min
Lab File: VL034019.D
Acq: 11 Jul 2019 15:21

Tgt Ion: 108 Resp: 694806
Ion Ratio Lower Upper
108 100
106 108.2 85.6 128.4
79 16.8 14.0 21.0





#15

Acetone

Concen: 8.455 ppbv

RT: 3.88 min Scan# 292

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Instrument :

MSVOA_L

ClientSampleId :

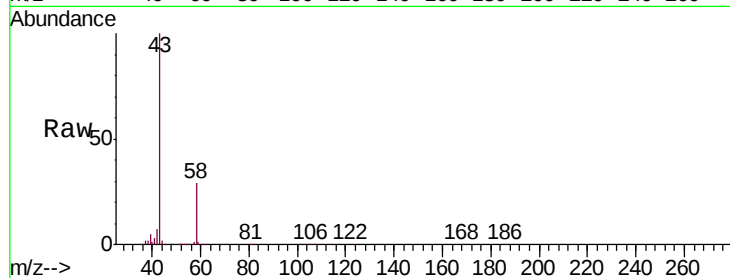
VL0711ABS01

Tgt Ion: 43 Resp: 1518479

Ion Ratio Lower Upper

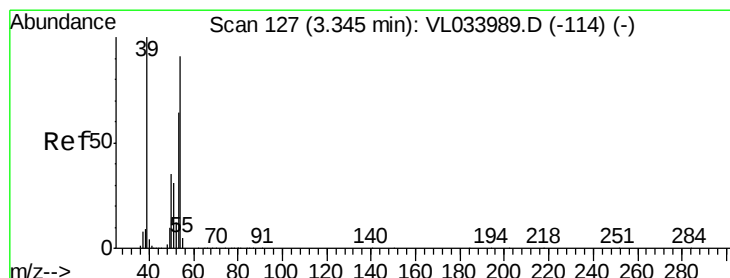
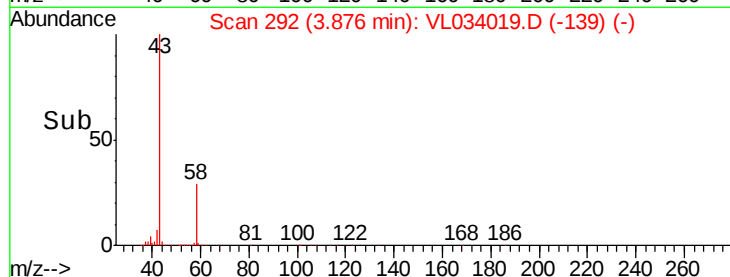
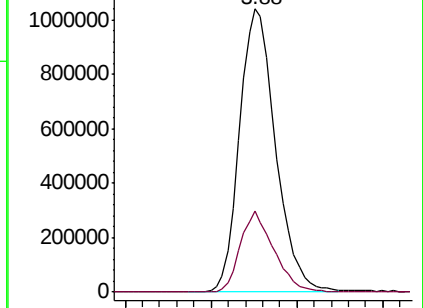
43 100

58 26.8 21.4 32.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.771 ppbv

RT: 3.34 min Scan# 125

Delta R.T. -0.01 min

Lab File: VL034019.D

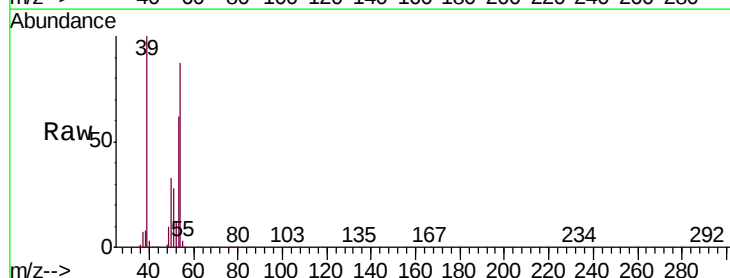
Acq: 11 Jul 2019 15:21

Tgt Ion: 39 Resp: 683091

Ion Ratio Lower Upper

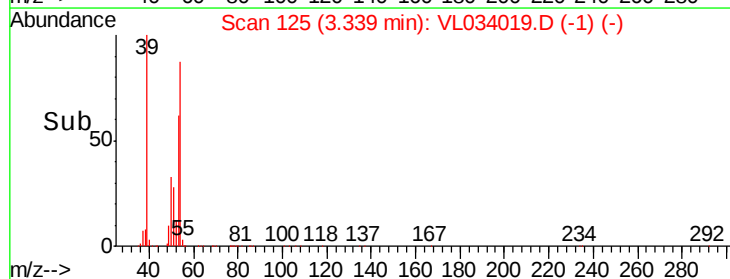
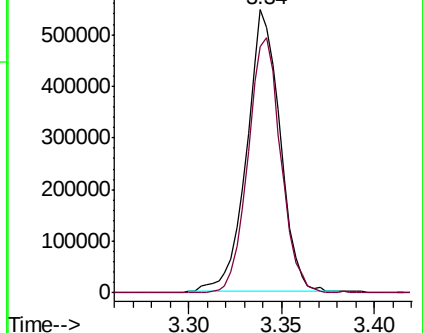
39 100

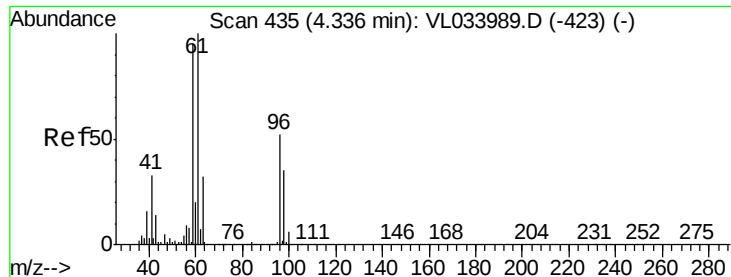
54 89.4 71.4 107.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



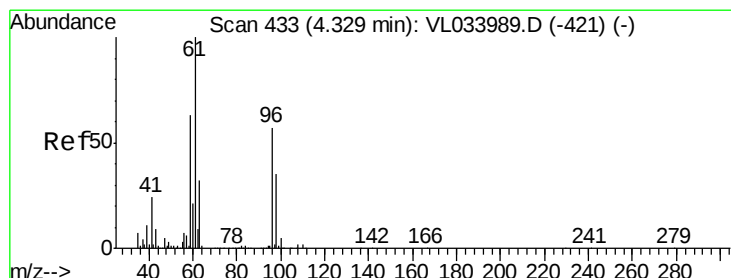
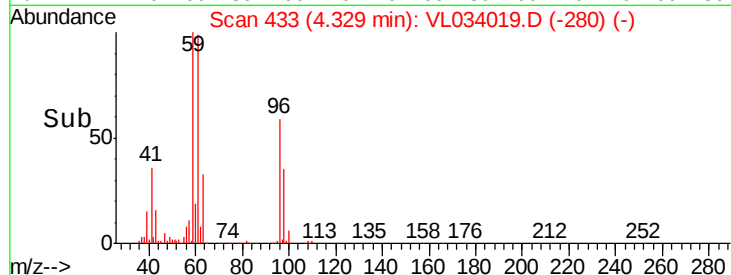
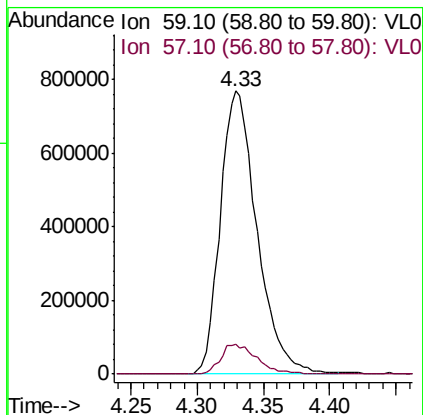
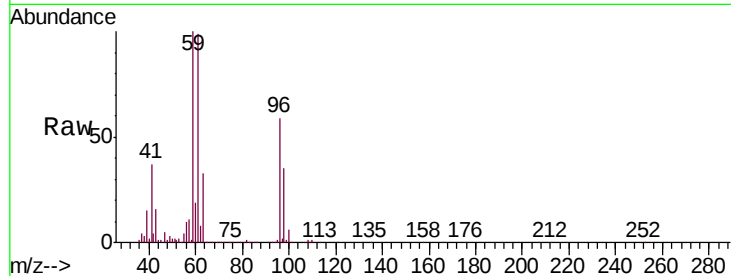


#17

tert-Butyl alcohol
 Concen: 10.336 ppbv
 RT: 4.33 min Scan# 433
 Delta R.T. -0.01 min
 Lab File: VL034019.D
 Acq: 11 Jul 2019 15:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0711ABS01

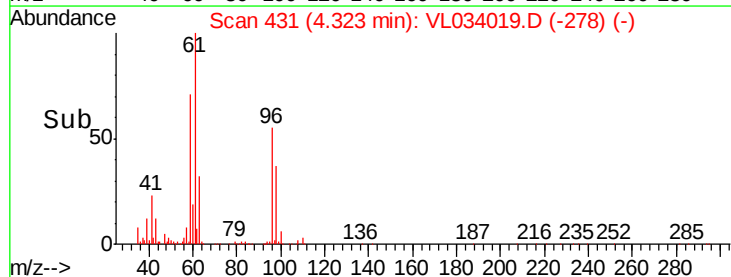
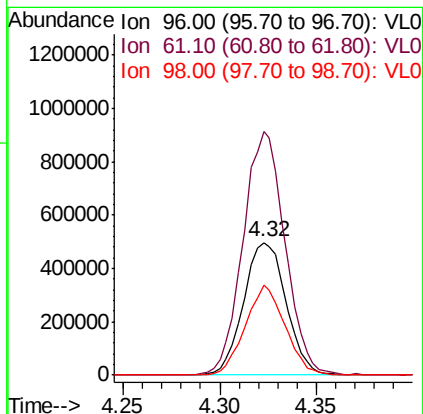
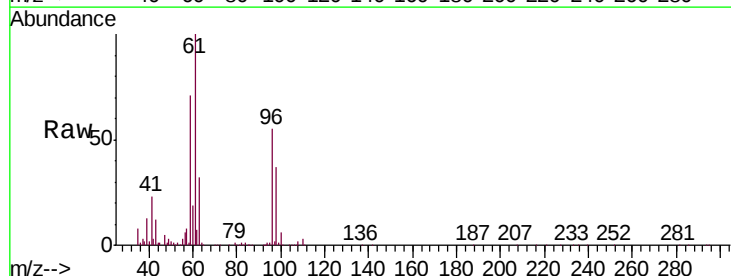
Tgt Ion: 59 Resp: 1480035
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.2

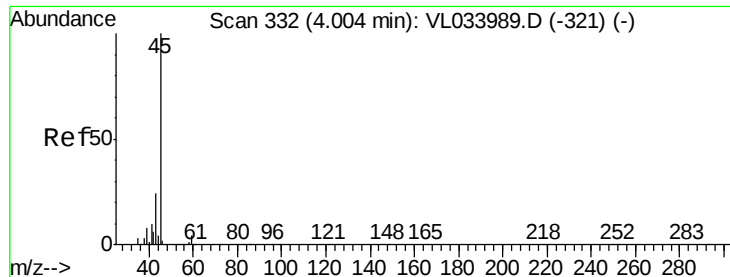


#18

1,1-Dichloroethene
 Concen: 9.748 ppbv
 RT: 4.32 min Scan# 431
 Delta R.T. -0.01 min
 Lab File: VL034019.D
 Acq: 11 Jul 2019 15:21

Tgt Ion: 96 Resp: 761722
 Ion Ratio Lower Upper
 96 100
 61 183.2 139.4 209.0
 98 67.6 49.4 74.0





#19

Isopropyl Alcohol

Concen: 9.555 ppbv

RT: 4.00 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Instrument :

MSVOA_L

ClientSampleId :

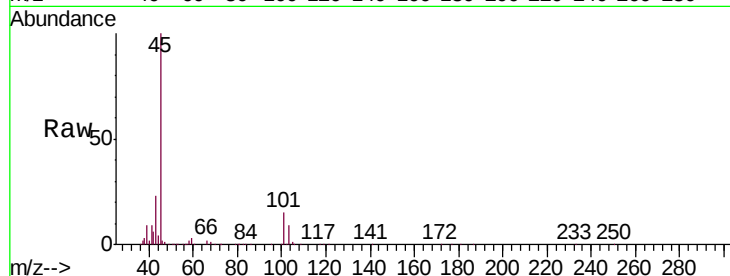
VL0711ABS01

Tgt Ion: 45 Resp: 1151871

Ion Ratio Lower Upper

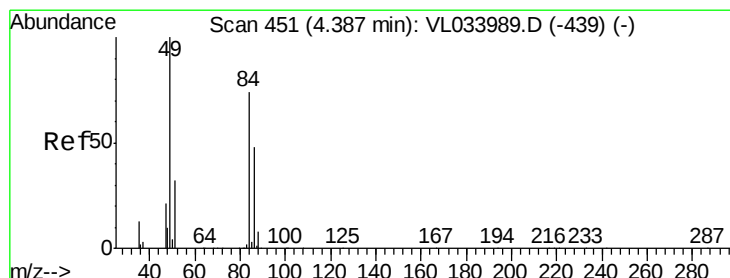
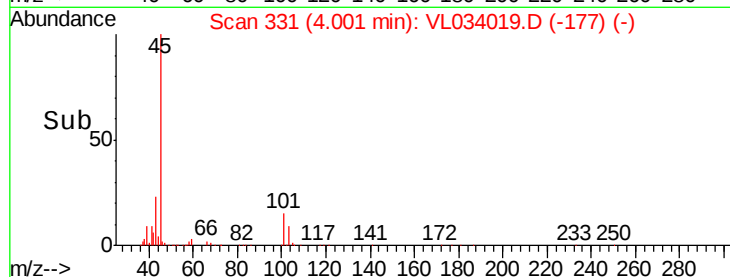
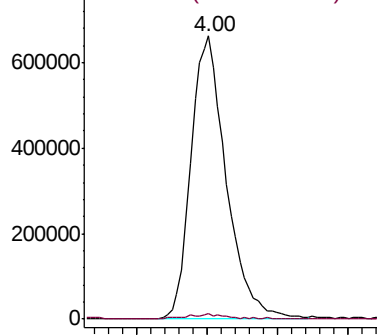
45 100

58 2.5 1.7 2.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.358 ppbv

RT: 4.38 min Scan# 449

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Tgt Ion: 84 Resp: 654665

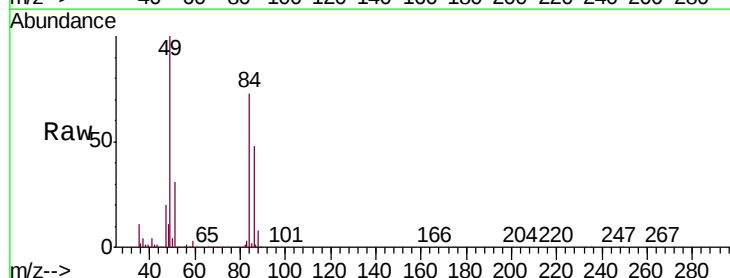
Ion Ratio Lower Upper

84 100

49 135.9 107.6 161.4

51 41.6 35.0 52.6

86 65.8 52.1 78.1

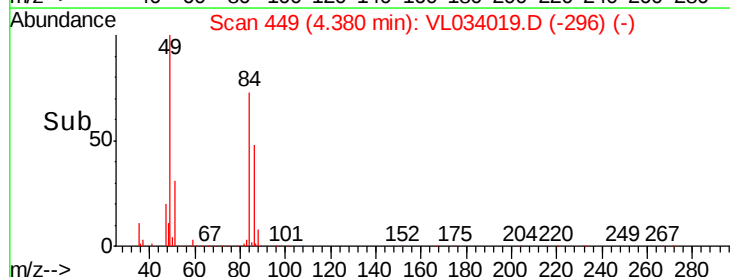
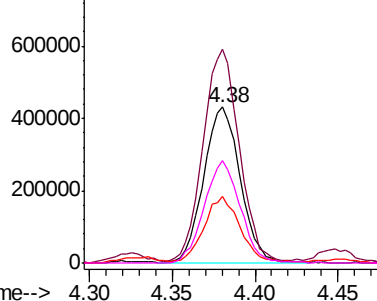


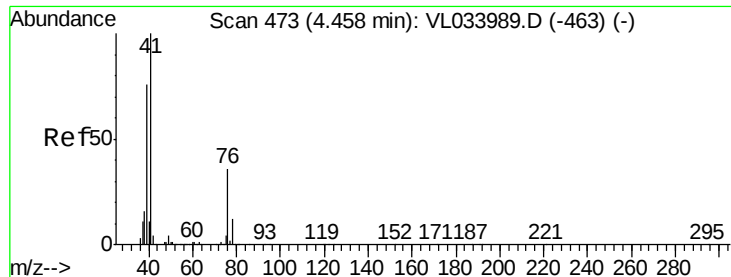
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 9.909 ppbv

RT: 4.45 min Scan# 470

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Instrument :

MSVOA_L

ClientSampleId :

VL0711ABS01

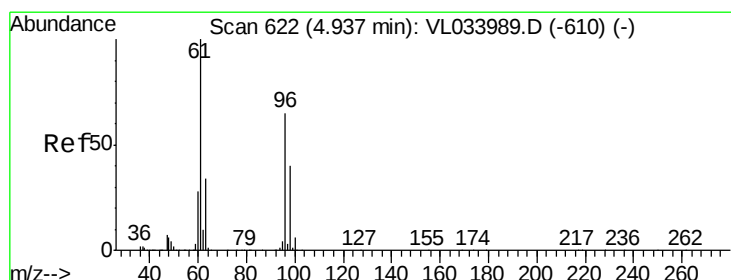
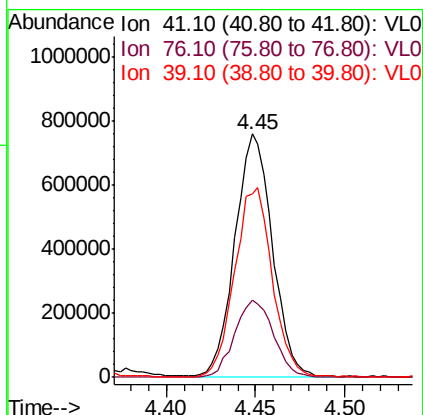
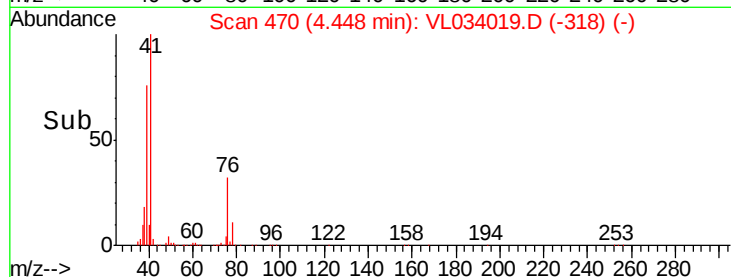
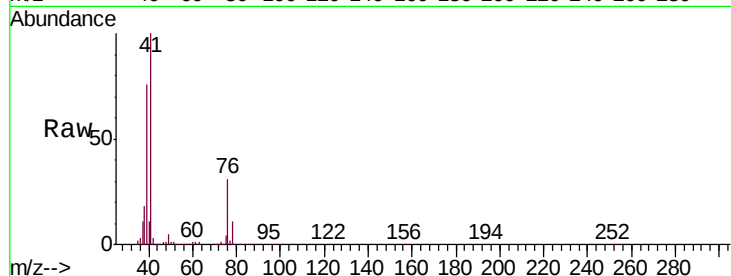
Tgt Ion: 41 Resp: 1109636

Ion Ratio Lower Upper

41 100

76 33.3 26.8 40.2

39 78.5 63.1 94.7



#22

trans-1,2-Dichloroethene

Concen: 10.155 ppbv

RT: 4.93 min Scan# 620

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

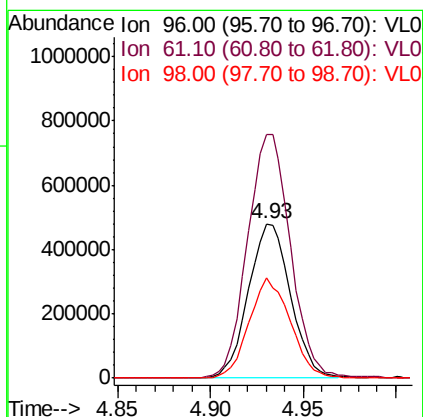
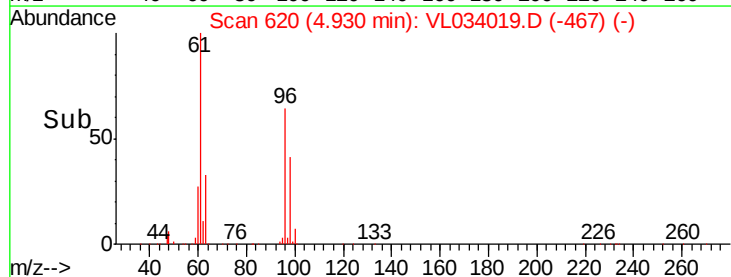
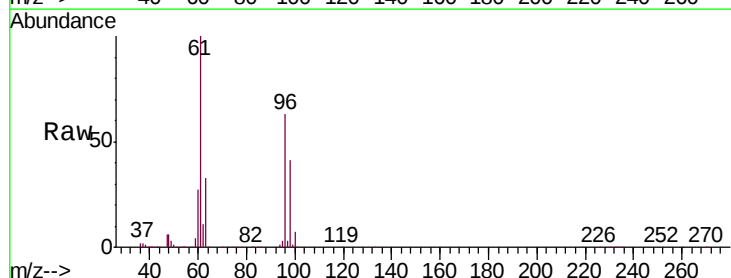
Tgt Ion: 96 Resp: 756180

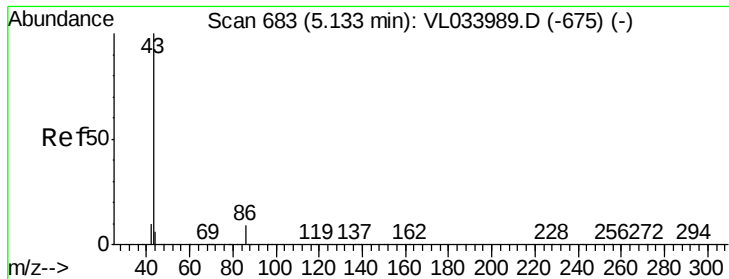
Ion Ratio Lower Upper

96 100

61 157.5 122.9 184.3

98 64.7 49.6 74.4



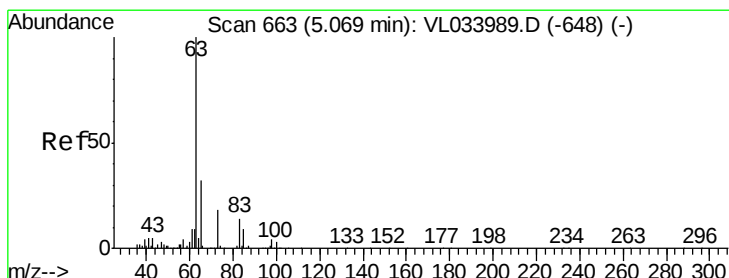
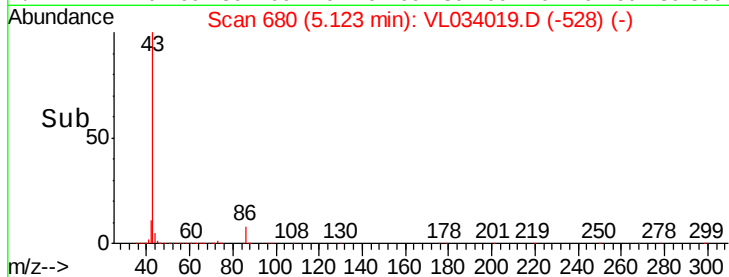
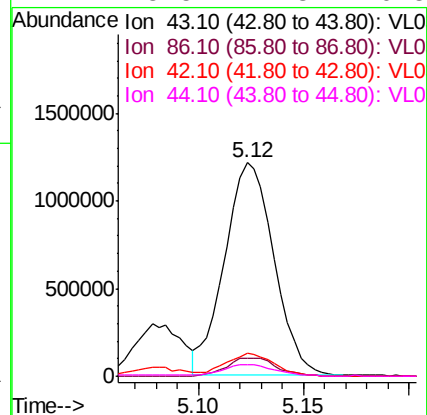
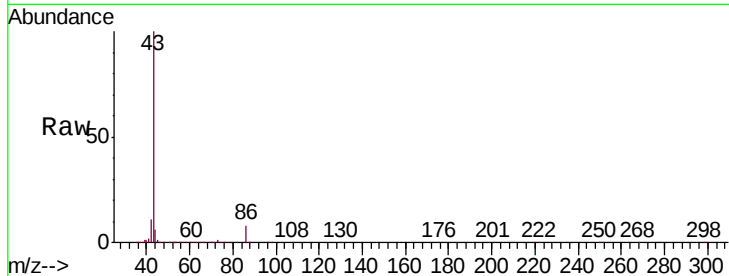


#23
 Vinyl Acetate
 Concen: 10.970 ppbv
 RT: 5.12 min Scan# 680
 Delta R.T. -0.01 min
 Lab File: VL034019.D
 Acq: 11 Jul 2019 15:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0711ABS01

Tgt Ion: 43 Resp: 1966497

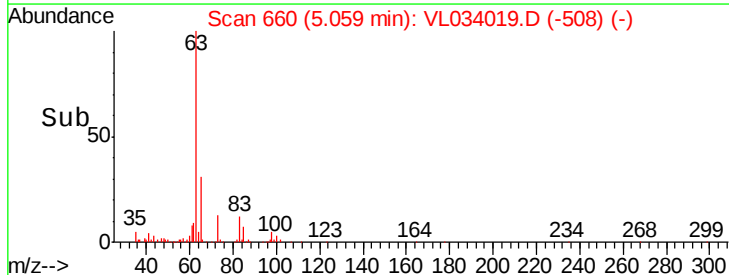
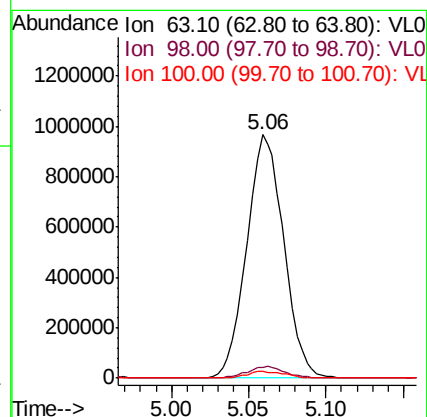
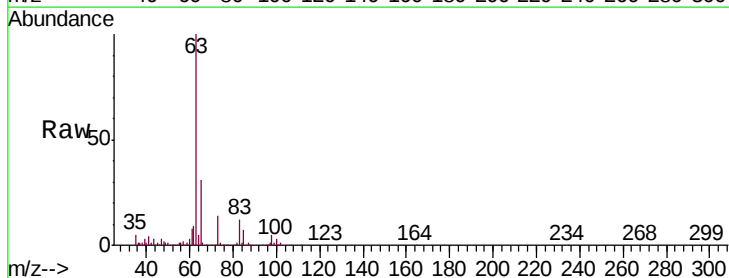
Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.6	9.8
42	10.8	8.3	12.5
44	5.5	4.3	6.5

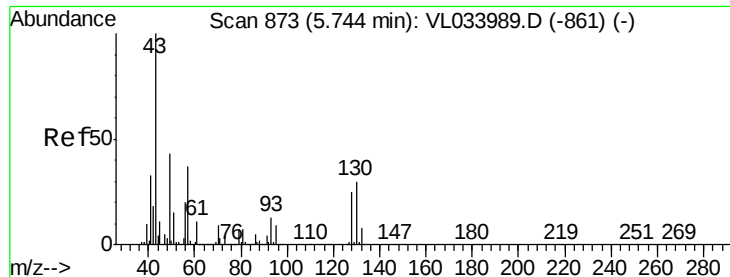


#24
 1,1-Dichloroethane
 Concen: 10.107 ppbv
 RT: 5.06 min Scan# 660
 Delta R.T. -0.01 min
 Lab File: VL034019.D
 Acq: 11 Jul 2019 15:21

Tgt Ion: 63 Resp: 1605677

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.2	6.6
100	2.7	1.4	4.2





#25

Ethyl Acetate

Concen: 10.524 ppbv

RT: 5.73 min Scan# 870

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Instrument :

MSVOA_L

ClientSampleId :

VL0711ABS01

Tgt Ion: 43 Resp: 2585001

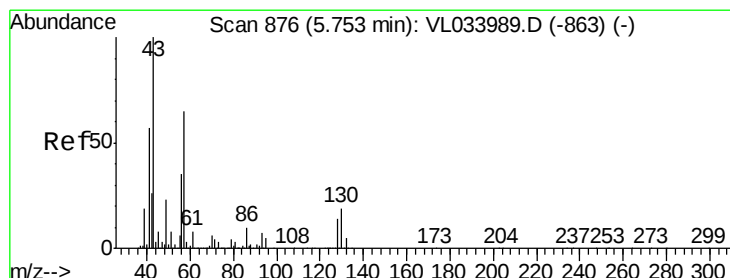
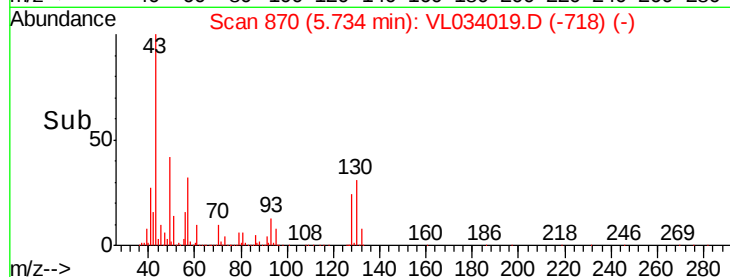
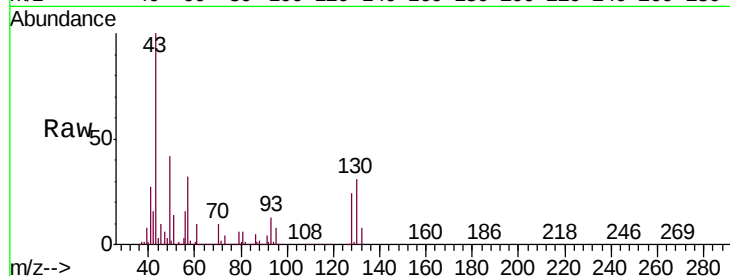
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	10.3	8.1	12.1
70	8.1	6.3	9.5

Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.565 ppbv

RT: 5.74 min Scan# 873

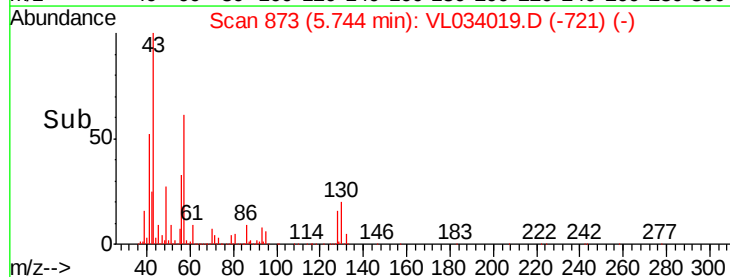
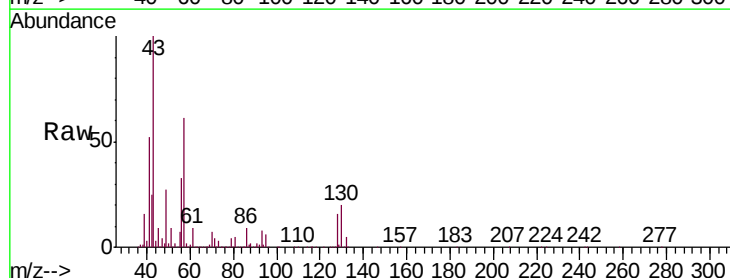
Delta R.T. -0.01 min

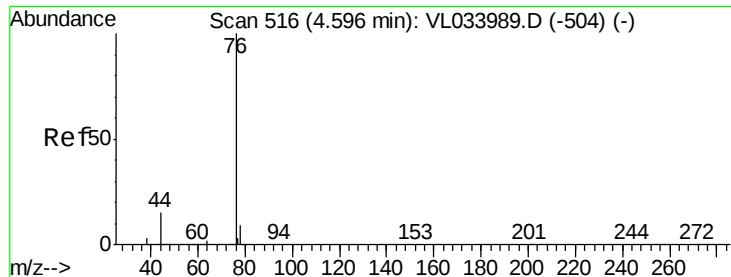
Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Tgt Ion: 57 Resp: 1187555

Ion	Ratio	Lower	Upper
57	100		
41	87.5	70.6	105.8
43	219.7	177.6	266.4
56	53.2	42.6	64.0





#27

Carbon Disulfide

Concen: 10.236 ppbv

RT: 4.59 min Scan# 514

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Instrument :

MSVOA_L

ClientSampleId :

VL0711ABS01

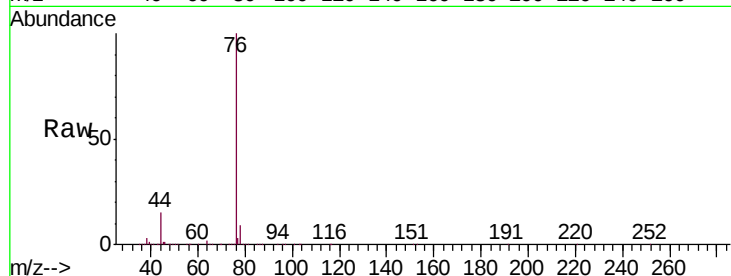
Tgt Ion: 76 Resp: 1956158

Ion Ratio Lower Upper

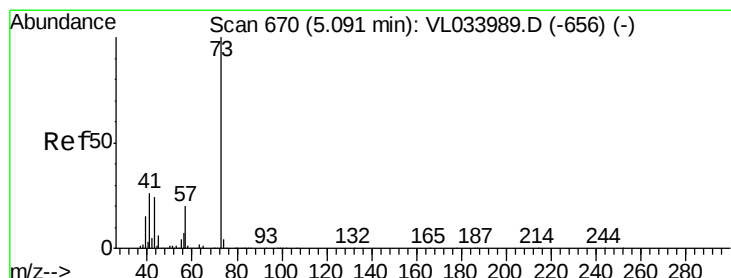
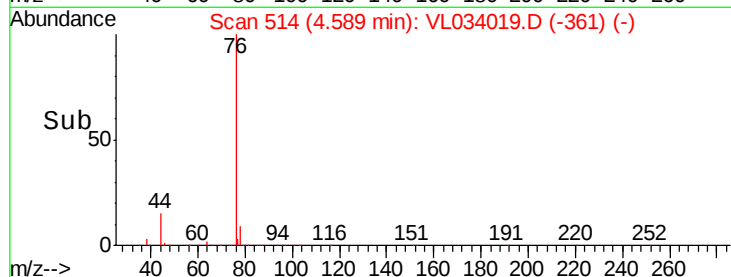
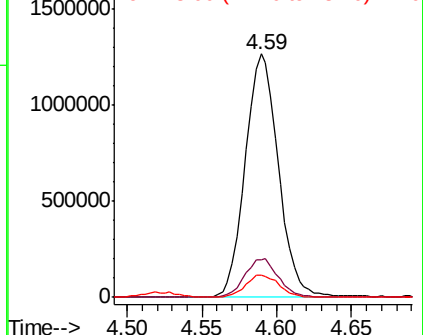
76 100

44 15.9 12.6 18.8

78 9.5 7.2 10.8



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



#28

Methyl tert-Butyl Ether

Concen: 10.864 ppbv

RT: 5.08 min Scan# 667

Delta R.T. -0.01 min

Lab File: VL034019.D

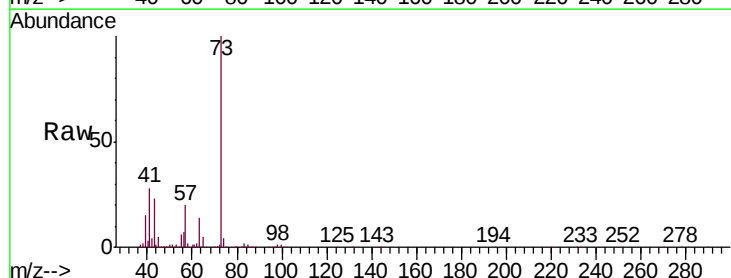
Acq: 11 Jul 2019 15:21

Tgt Ion: 73 Resp: 2068022

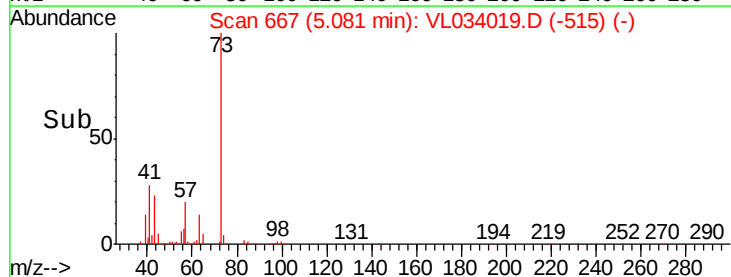
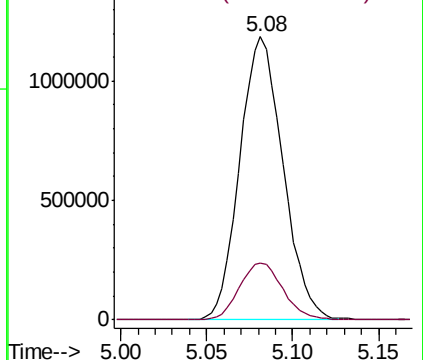
Ion Ratio Lower Upper

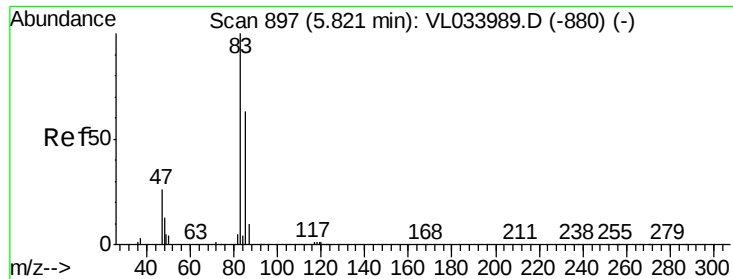
73 100

57 20.5 16.9 25.3



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

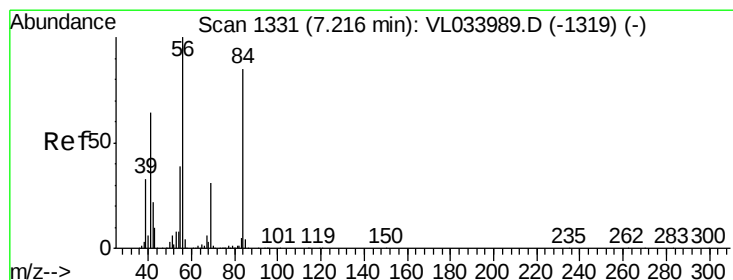
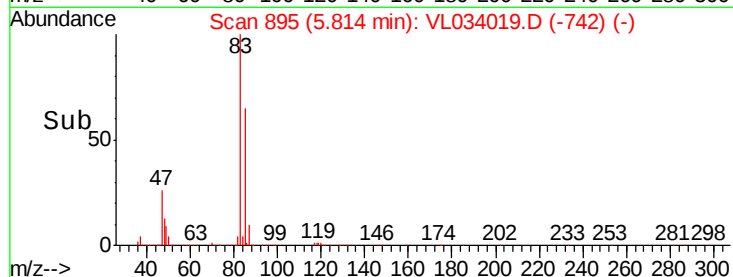
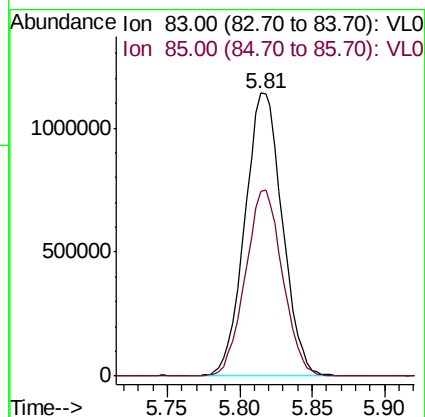
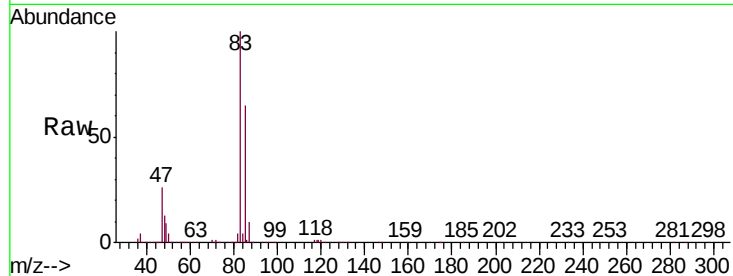




#29
Chloroform
Concen: 9.753 ppbv
RT: 5.81 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL034019.D
Acq: 11 Jul 2019 15:21

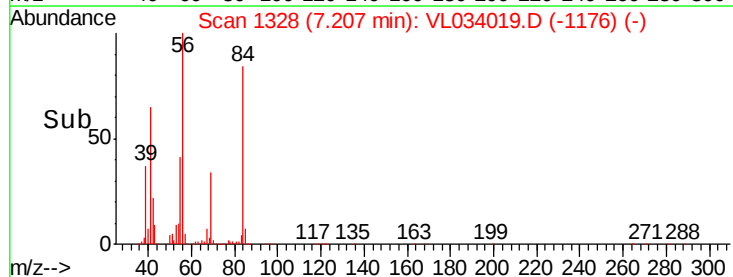
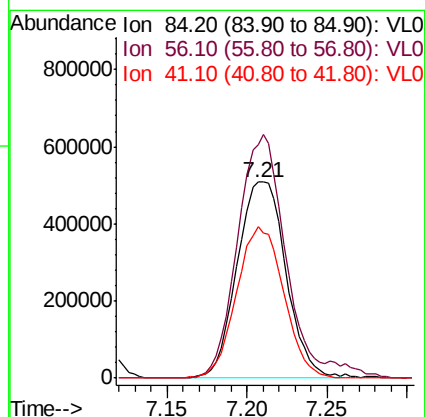
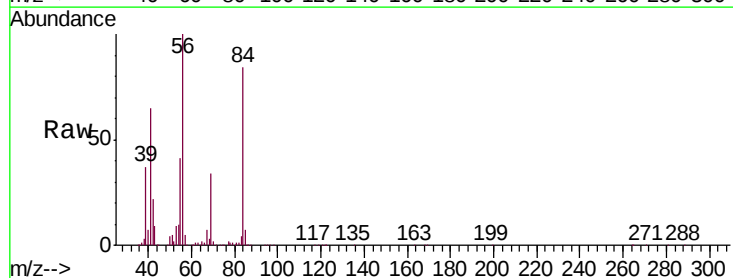
Instrument :
MSVOA_L
ClientSampleId :
VL0711ABS01

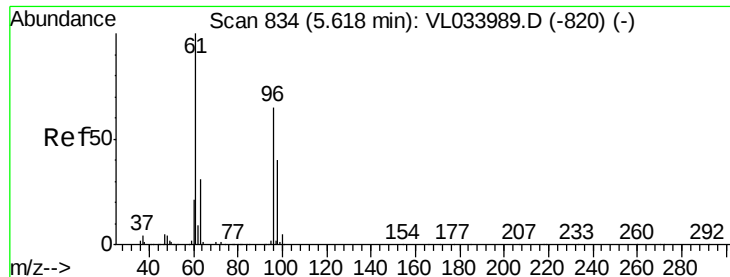
Tgt Ion: 83 Resp: 2060206
Ion Ratio Lower Upper
83 100
85 65.3 50.6 75.8



#30
Cyclohexane
Concen: 12.152 ppbv
RT: 7.21 min Scan# 1328
Delta R.T. -0.01 min
Lab File: VL034019.D
Acq: 11 Jul 2019 15:21

Tgt Ion: 84 Resp: 1054942
Ion Ratio Lower Upper
84 100
56 125.5 103.7 155.5
41 75.3 62.6 94.0



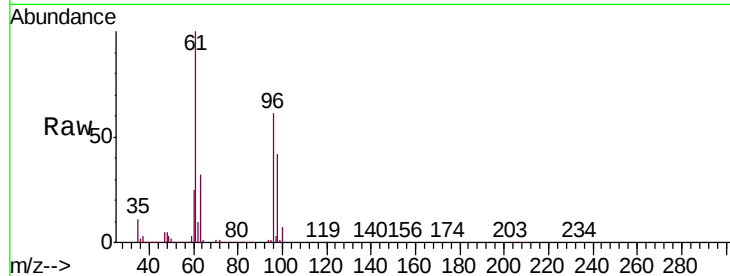


#31

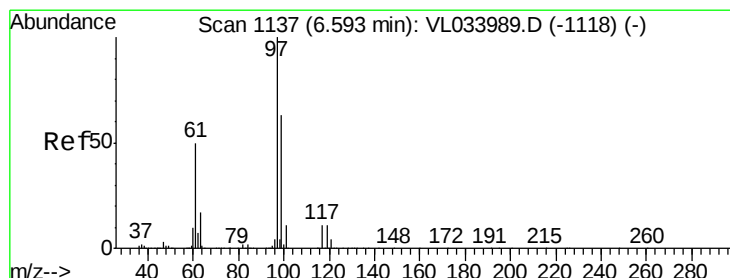
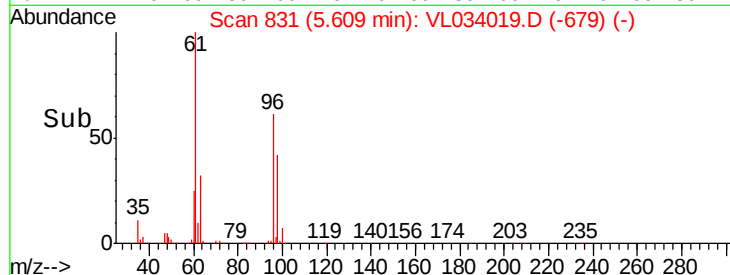
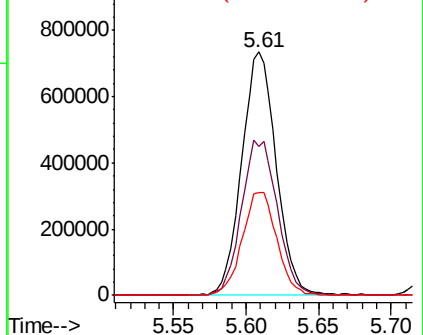
cis-1,2-Dichloroethene
 Concen: 11.221 ppbv
 RT: 5.61 min Scan# 831
 Delta R.T. -0.01 min
 Lab File: VL034019.D
 Acq: 11 Jul 2019 15:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0711ABS01

Tgt Ion: 61 Resp: 1218598
 Ion Ratio Lower Upper
 61 100
 96 61.2 51.8 77.6
 98 42.1 32.1 48.1



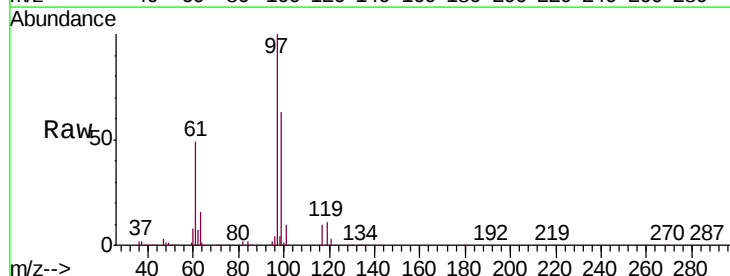
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



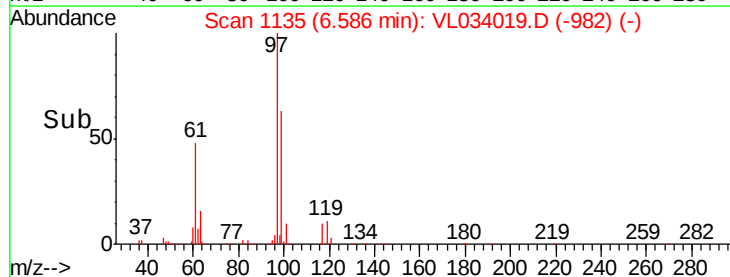
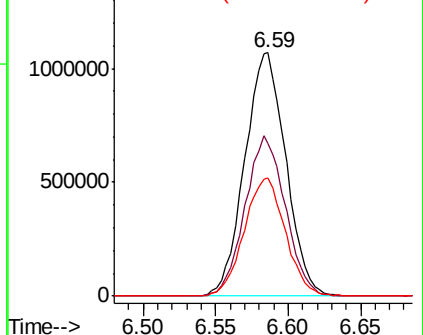
#32

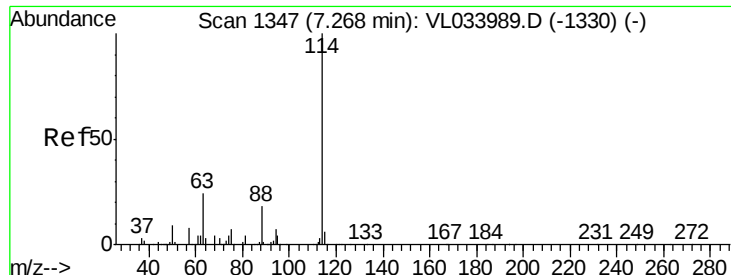
1,1,1-Trichloroethane
 Concen: 9.849 ppbv
 RT: 6.59 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VL034019.D
 Acq: 11 Jul 2019 15:21

Tgt Ion: 97 Resp: 2108657
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.9 77.9
 61 48.6 39.8 59.8



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0

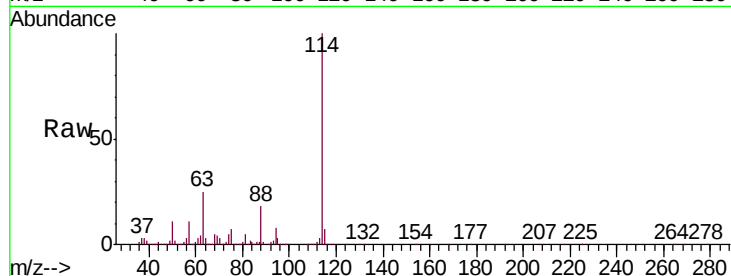




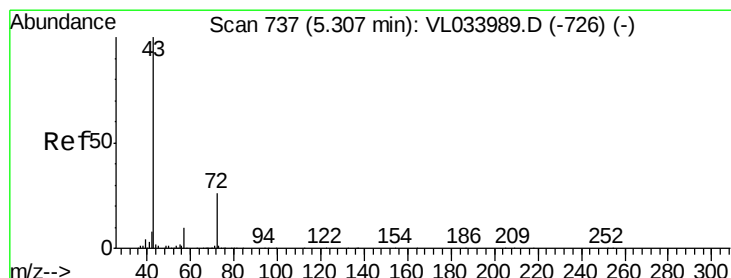
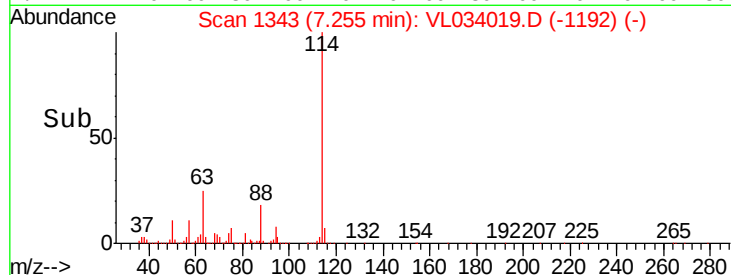
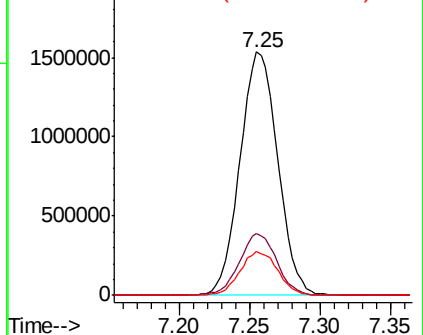
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.25 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: VL034019.D
 Acq: 11 Jul 2019 15:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0711ABS01

Tgt Ion: 114 Resp: 2889073
 Ion Ratio Lower Upper
 114 100
 63 25.5 20.2 30.2
 88 18.0 14.1 21.1

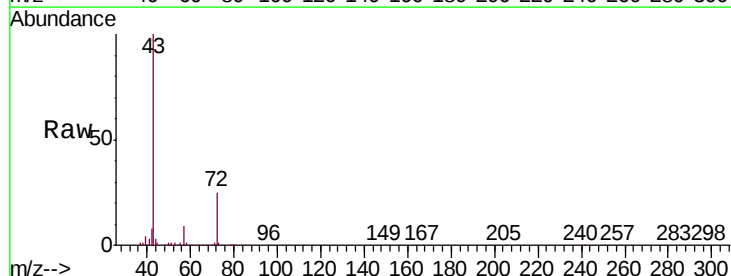


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

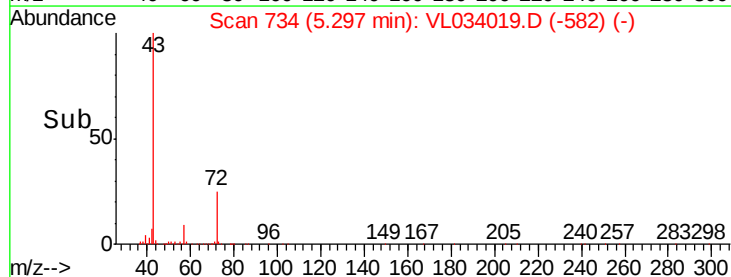
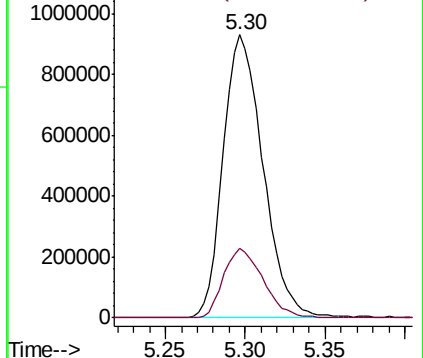


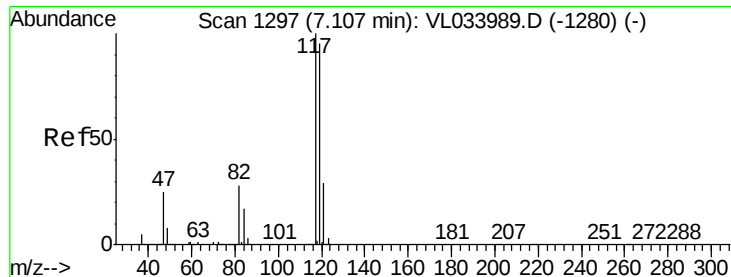
#34
 2-Butanone
 Concen: 10.305 ppbv
 RT: 5.30 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: VL034019.D
 Acq: 11 Jul 2019 15:21

Tgt Ion: 43 Resp: 1575669
 Ion Ratio Lower Upper
 43 100
 72 24.8 19.9 29.9



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





#35

Carbon Tetrachloride

Concen: 9.925 ppbv

RT: 7.10 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Instrument :

MSVOA_L

ClientSampleId :

VL0711ABS01

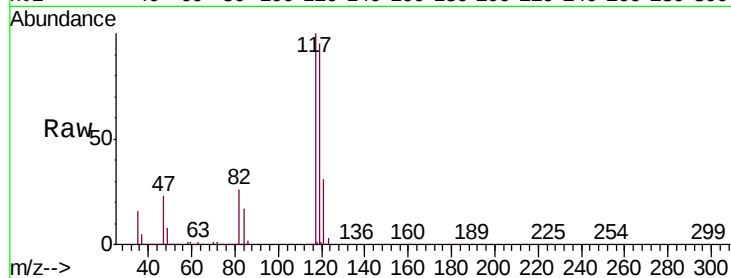
Tgt Ion:117 Resp: 2269923

Ion Ratio Lower Upper

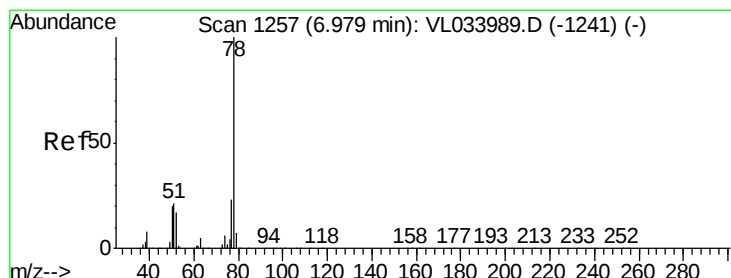
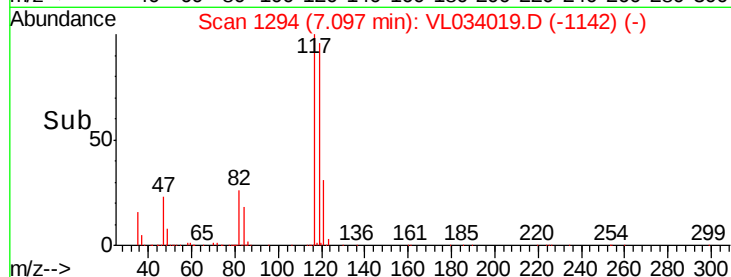
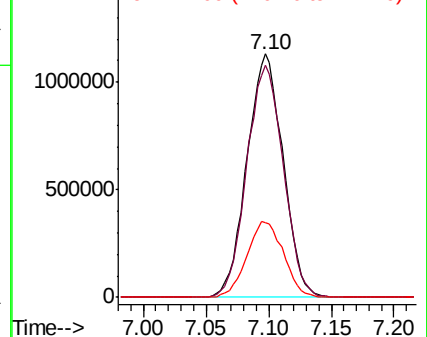
117 100

119 95.1 75.8 113.6

121 30.8 23.4 35.2



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



#36

Benzene

Concen: 10.856 ppbv

RT: 6.97 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

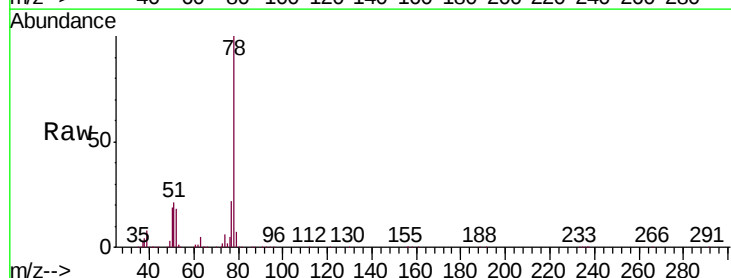
Tgt Ion: 78 Resp: 2454107

Ion Ratio Lower Upper

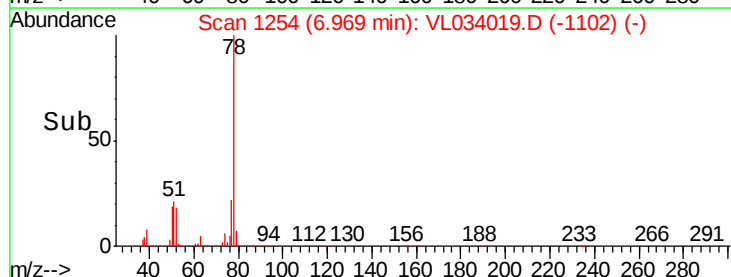
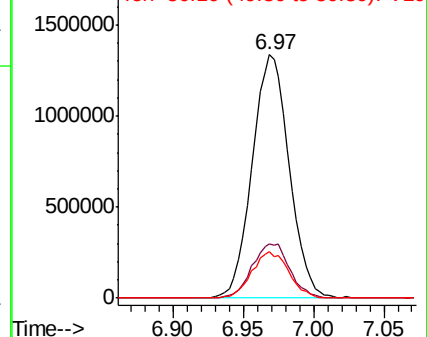
78 100

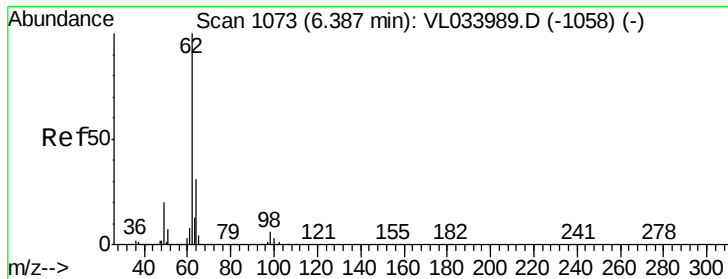
77 22.3 18.7 28.1

50 19.0 16.2 24.2



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





#37

1,2-Dichloroethane

Concen: 9.610 ppbv

RT: 6.38 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Instrument :

MSVOA_L

ClientSampleId :

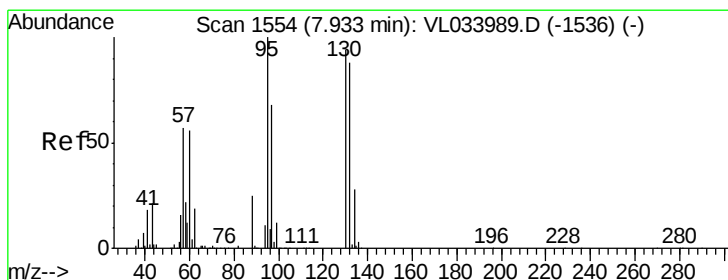
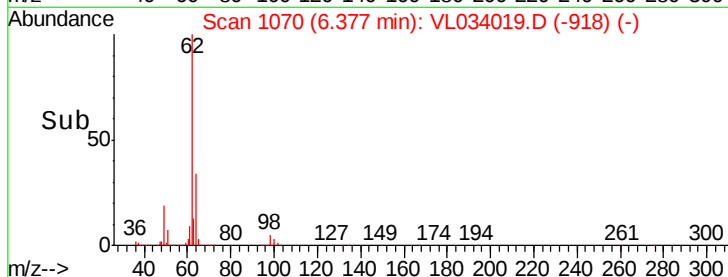
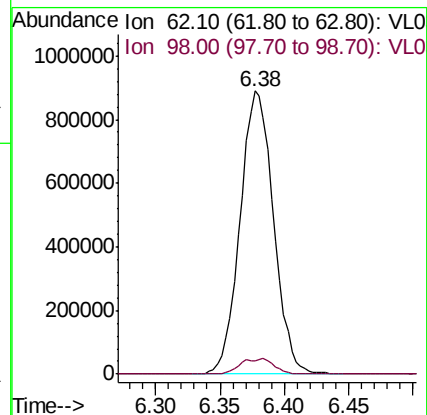
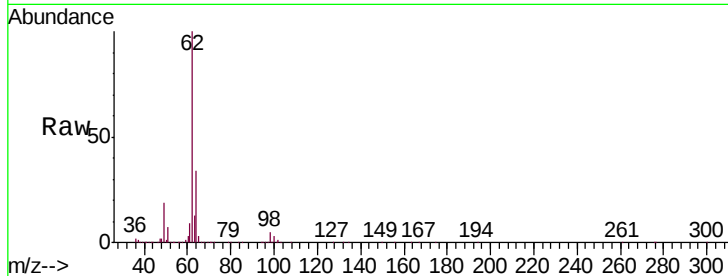
VL0711ABS01

Tgt Ion: 62 Resp: 1600457

Ion Ratio Lower Upper

62 100

98 5.7 4.4 6.6



#38

Trichloroethene

Concen: 10.980 ppbv

RT: 7.92 min Scan# 1551

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Tgt Ion: 130 Resp: 1104386

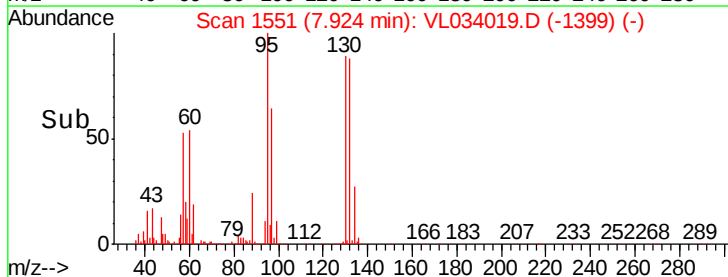
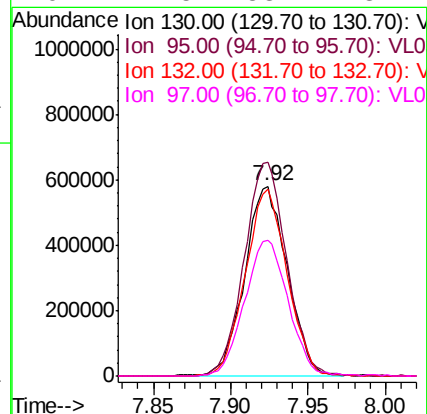
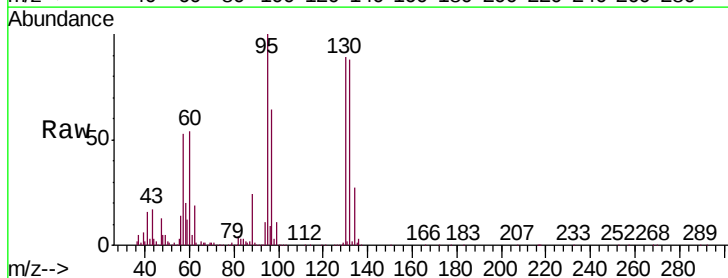
Ion Ratio Lower Upper

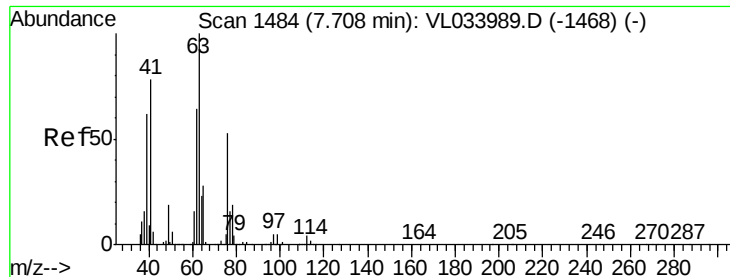
130 100

95 112.6 85.5 128.3

132 98.7 75.1 112.7

97 71.5 58.1 87.1

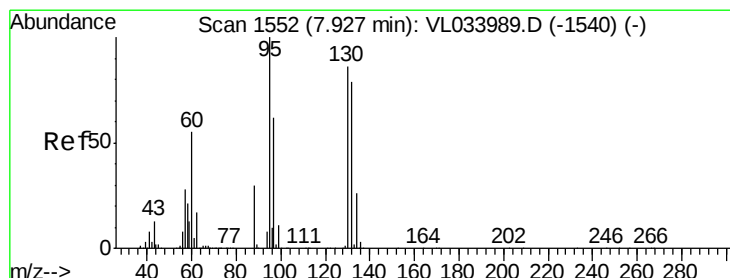
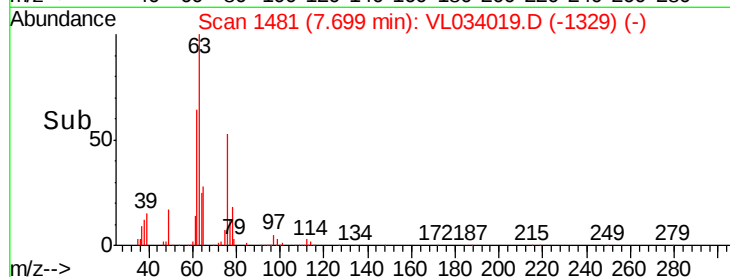
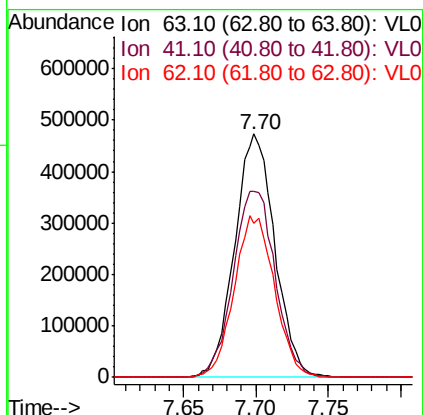
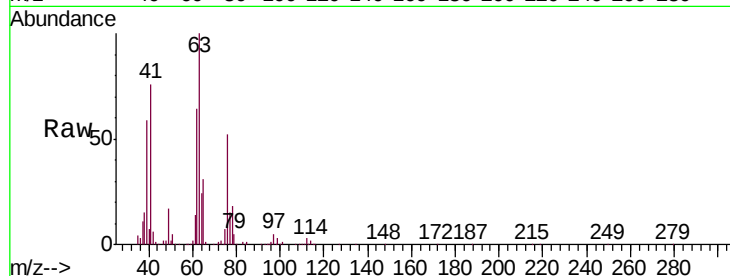




#39
 1,2-Dichloropropane
 Concen: 10.766 ppbv
 RT: 7.70 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VL034019.D
 Acq: 11 Jul 2019 15:21

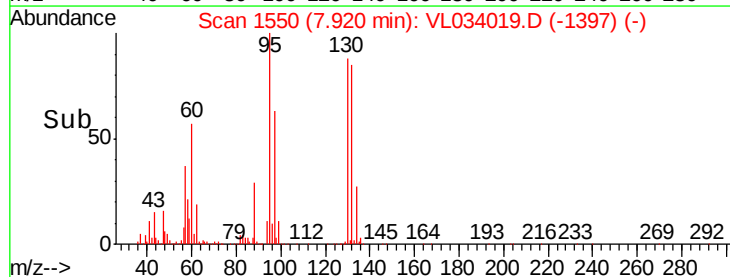
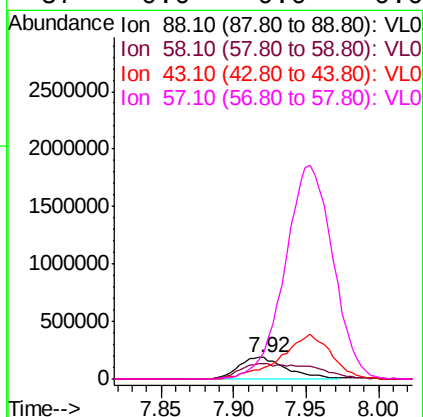
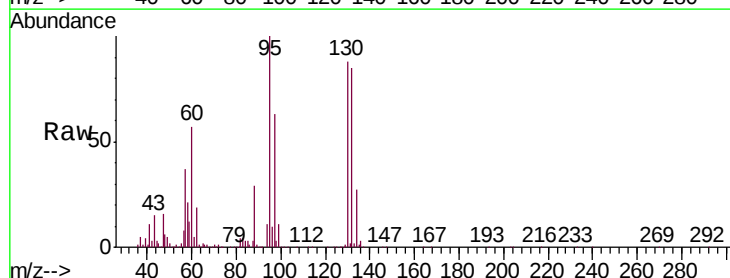
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0711ABS01

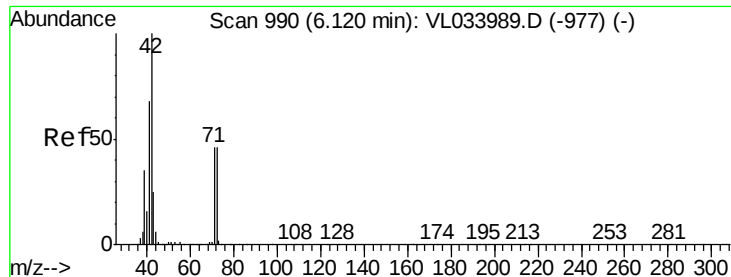
Tgt Ion: 63 Resp: 904977
 Ion Ratio Lower Upper
 63 100
 41 76.1 62.3 93.5
 62 63.3 51.4 77.2



#40
 1,4-Dioxane
 Concen: 11.122 ppbv
 RT: 7.92 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: VL034019.D
 Acq: 11 Jul 2019 15:21

Tgt Ion: 88 Resp: 431661
 Ion Ratio Lower Upper
 88 100
 58 116.3 99.1 148.7
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 11.115 ppbv

RT: 6.11 min Scan# 988

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Instrument :

MSVOA_L

ClientSampleId :

VL0711ABS01

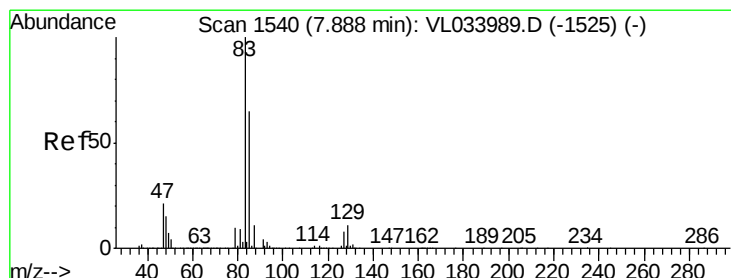
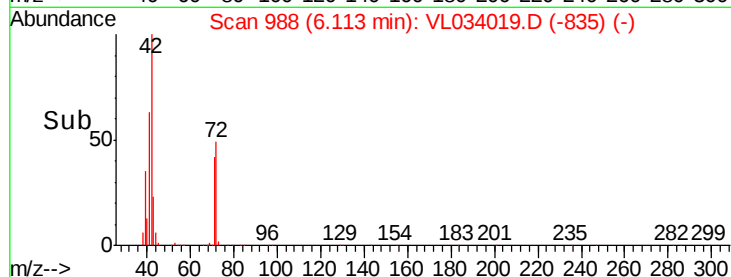
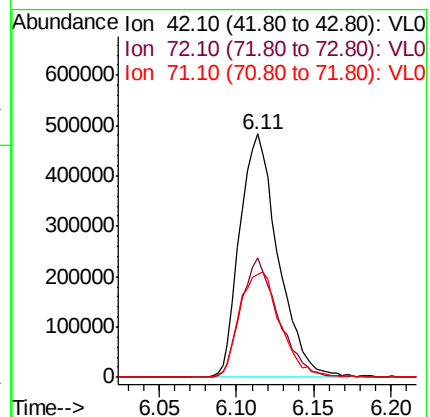
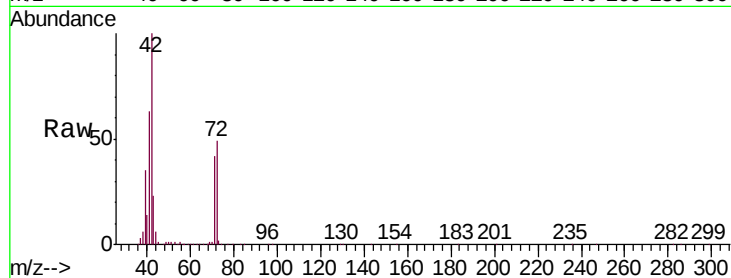
Tgt Ion: 42 Resp: 833448

Ion Ratio Lower Upper

42 100

72 48.1 37.3 55.9

71 46.3 36.2 54.2



#42

Bromodichloromethane

Concen: 10.326 ppbv

RT: 7.88 min Scan# 1538

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

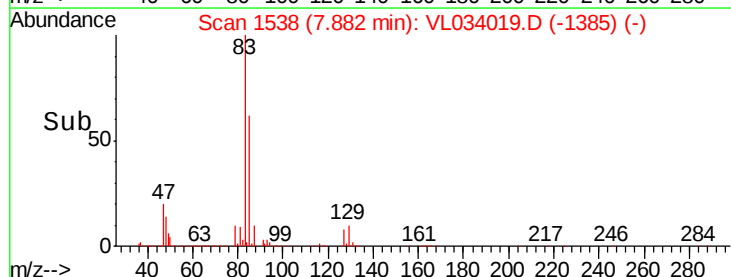
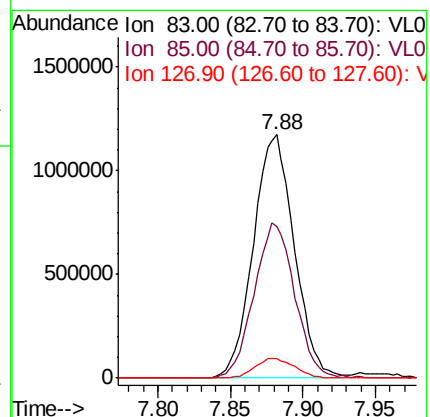
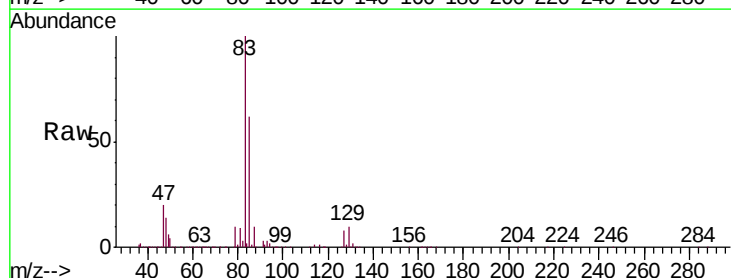
Tgt Ion: 83 Resp: 2307493

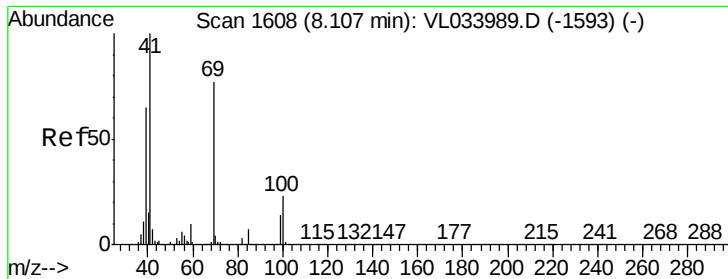
Ion Ratio Lower Upper

83 100

85 62.4 51.8 77.8

127 8.1 6.5 9.7

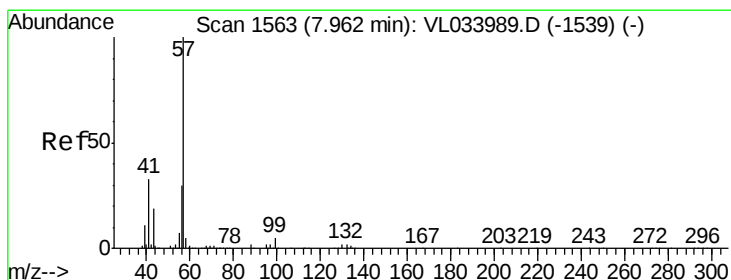
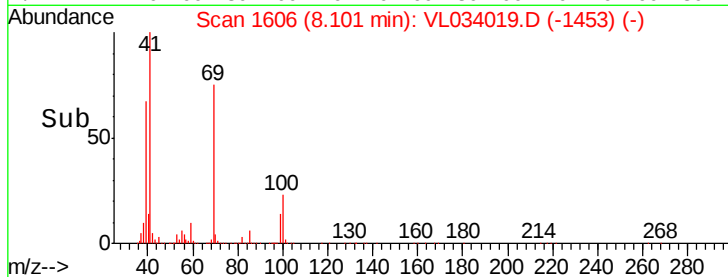
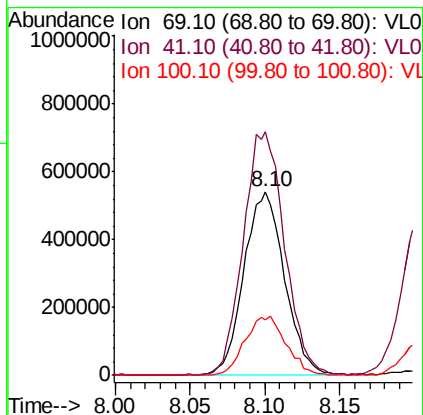
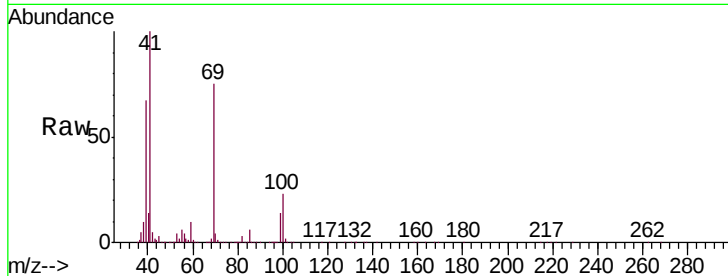




#43
Methyl Methacrylate
Concen: 11.919 ppbv
RT: 8.10 min Scan# 1606
Delta R.T. -0.01 min
Lab File: VL034019.D
Acq: 11 Jul 2019 15:21

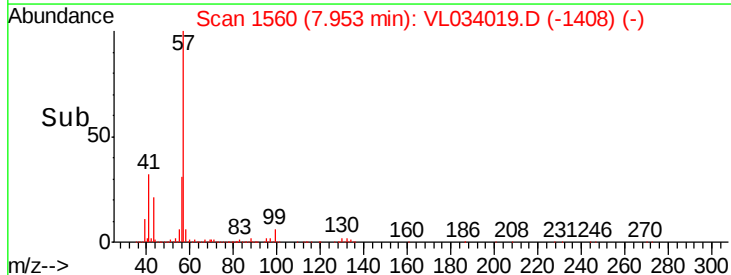
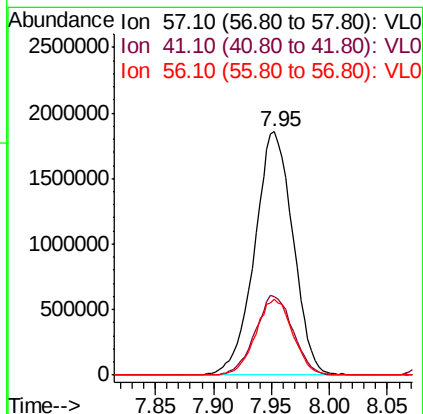
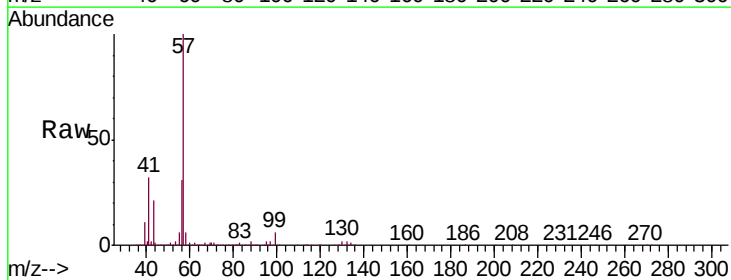
Instrument :
MSVOA_L
ClientSampleId :
VL0711ABS01

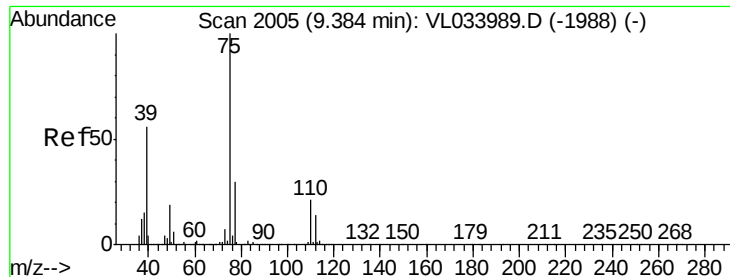
Tgt Ion: 69 Resp: 1022337
Ion Ratio Lower Upper
69 100
41 135.4 109.1 163.7
100 32.8 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 10.964 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL034019.D
Acq: 11 Jul 2019 15:21

Tgt Ion: 57 Resp: 4278347
Ion Ratio Lower Upper
57 100
41 32.3 26.1 39.1
56 30.1 24.4 36.6





#45

t-1,3-Dichloropropene

Concen: 12.366 ppbv

RT: 9.37 min Scan# 2002

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Instrument :

MSVOA_L

ClientSampleId :

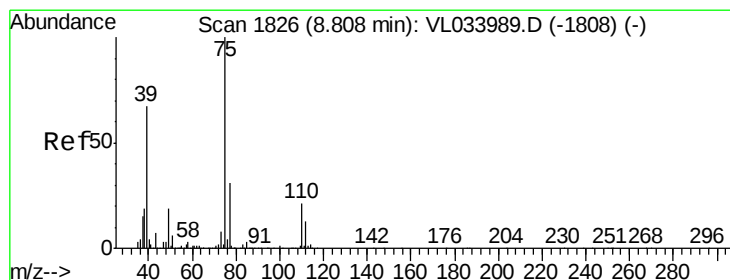
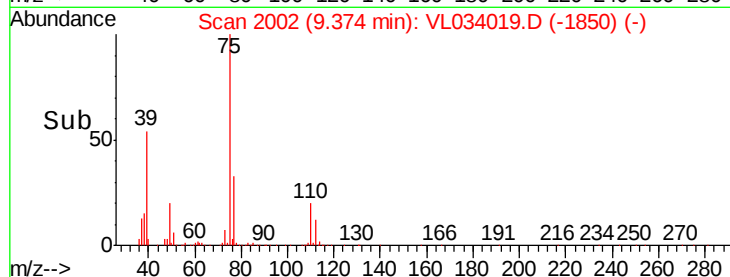
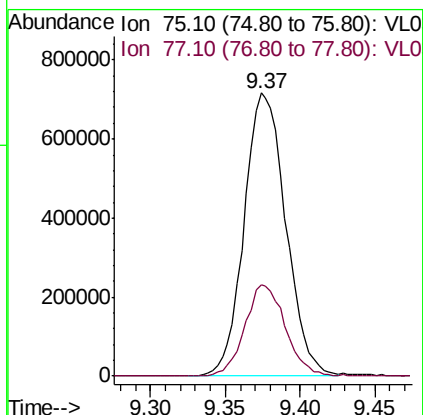
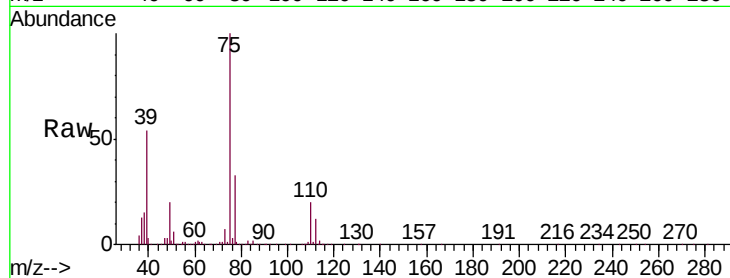
VL0711ABS01

Tgt Ion: 75 Resp: 1386986

Ion Ratio Lower Upper

75 100

77 32.5 24.3 36.5



#46

cis-1,3-Dichloropropene

Concen: 12.073 ppbv

RT: 8.80 min Scan# 1823

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

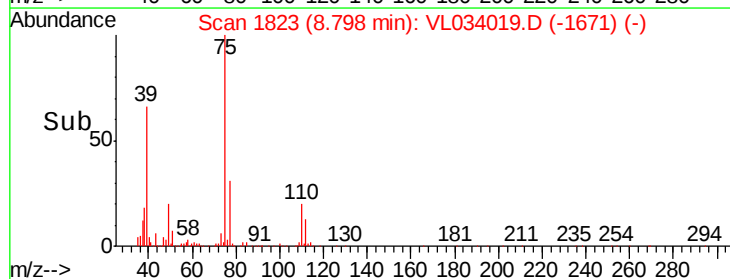
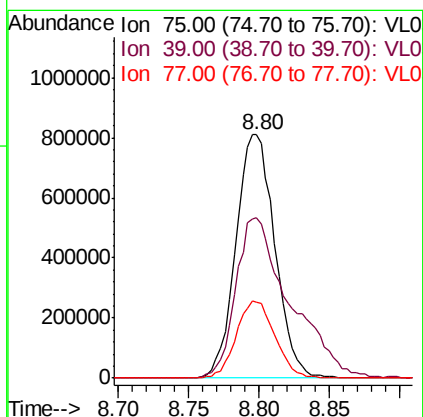
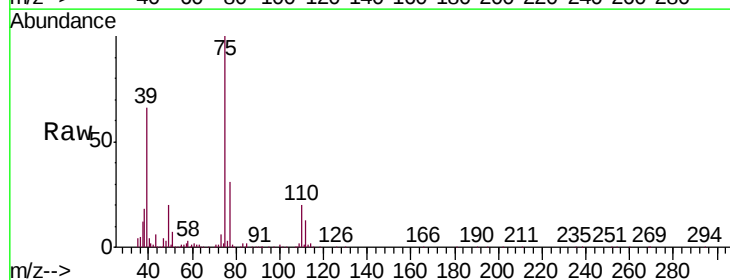
Tgt Ion: 75 Resp: 1568242

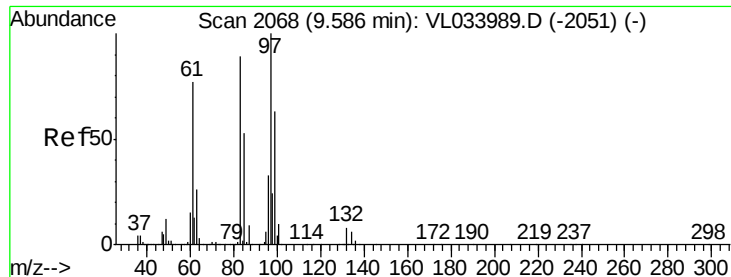
Ion Ratio Lower Upper

75 100

39 65.9 53.8 80.6

77 31.3 24.5 36.7

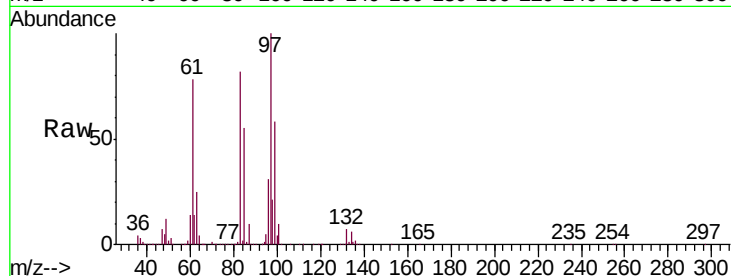




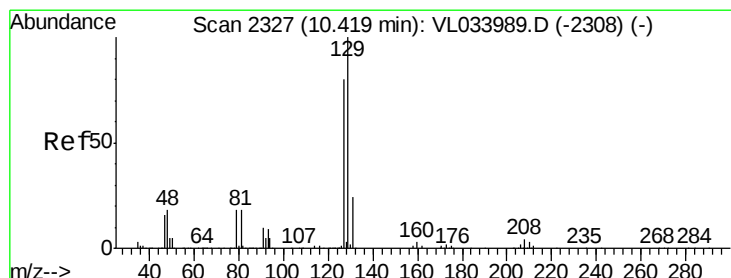
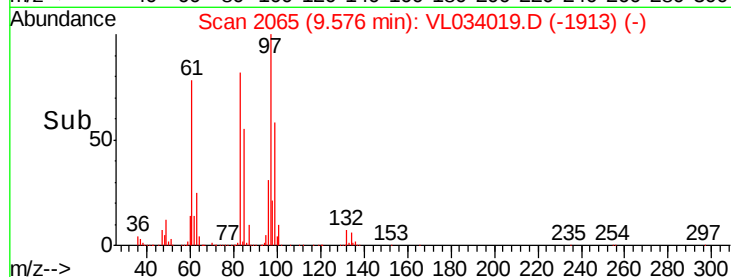
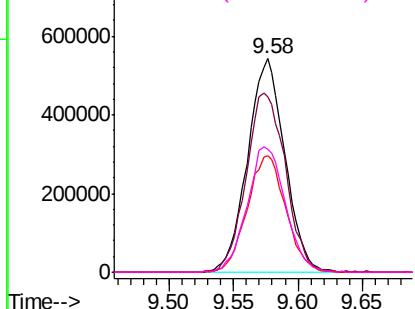
#47
 1,1,2-Trichloroethane
 Concen: 10.358 ppbv
 RT: 9.58 min Scan# 2065
 Delta R.T. -0.01 min
 Lab File: VL034019.D
 Acq: 11 Jul 2019 15:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0711ABS01

Tgt Ion: 97 Resp: 1094765
 Ion Ratio Lower Upper
 97 100
 83 82.0 71.1 106.7
 85 54.6 42.6 64.0
 99 57.5 50.3 75.5

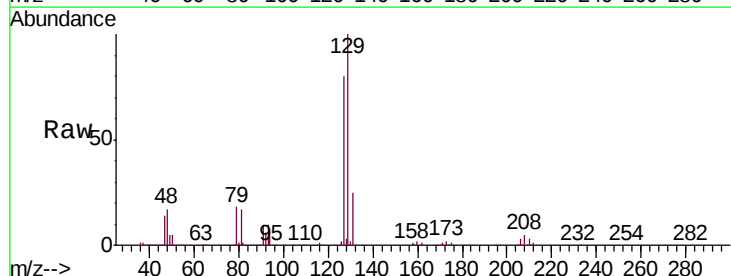


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

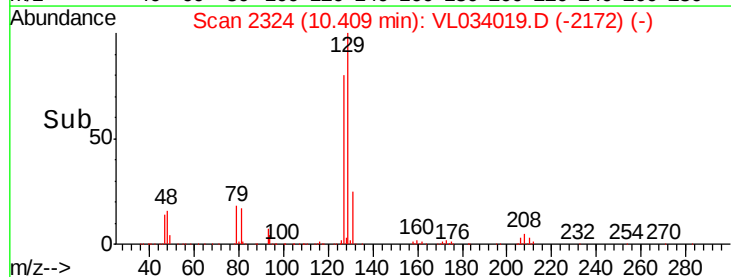
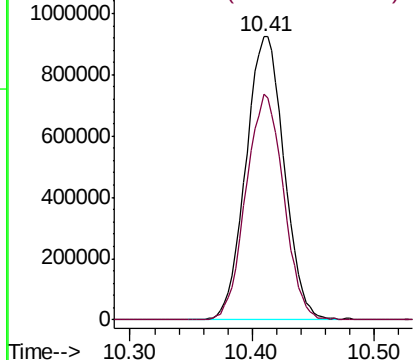


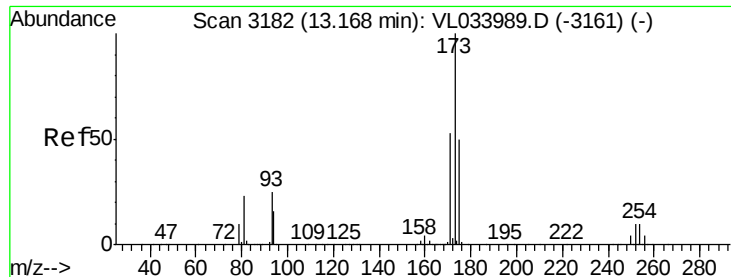
#48
 Dibromochloromethane
 Concen: 9.910 ppbv
 RT: 10.41 min Scan# 2324
 Delta R.T. -0.01 min
 Lab File: VL034019.D
 Acq: 11 Jul 2019 15:21

Tgt Ion: 129 Resp: 1998628
 Ion Ratio Lower Upper
 129 100
 127 78.5 39.1 117.3



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





#49

Bromoform

Concen: 10.240 ppbv

RT: 13.16 min Scan# 3179

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Instrument :

MSVOA_L

ClientSampleId :

VL0711ABS01

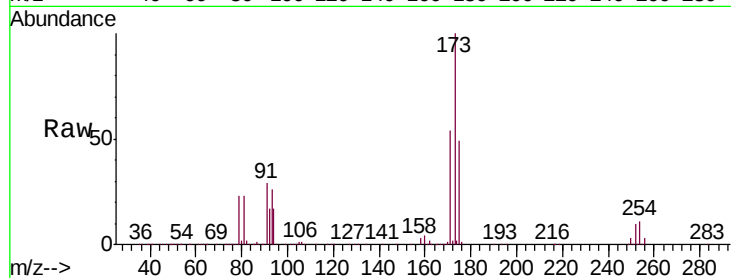
Tgt Ion:173 Resp: 1764248

Ion Ratio Lower Upper

173 100

175 49.1 39.3 58.9

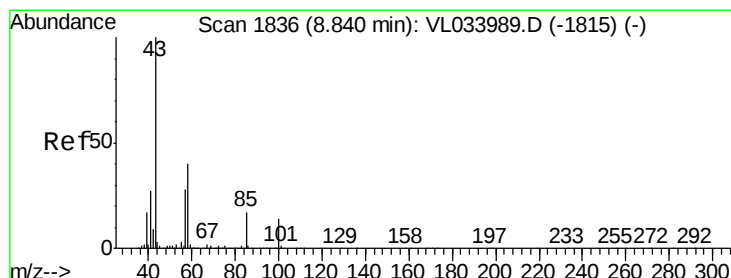
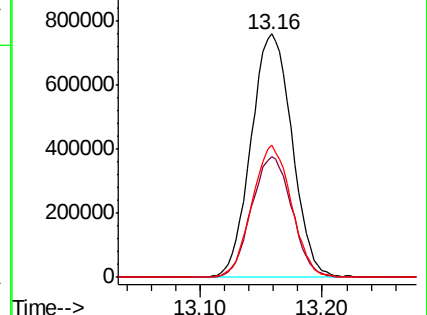
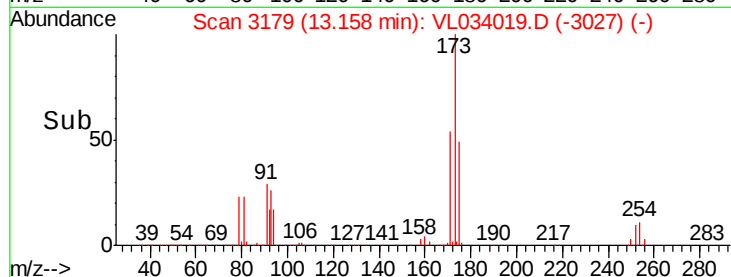
171 52.2 41.4 62.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.825 ppbv

RT: 8.83 min Scan# 1833

Delta R.T. -0.01 min

Lab File: VL034019.D

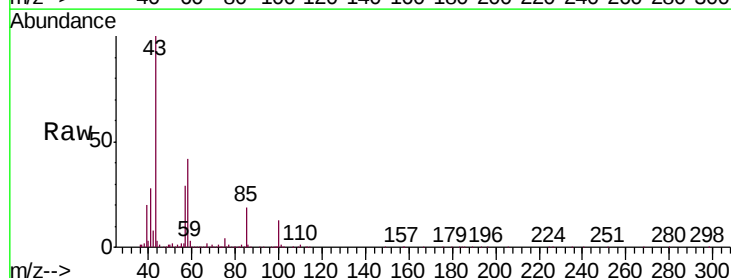
Acq: 11 Jul 2019 15:21

Tgt Ion: 43 Resp: 2456160

Ion Ratio Lower Upper

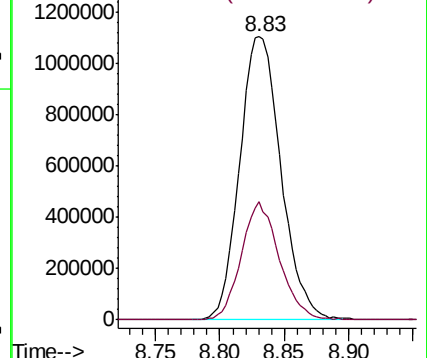
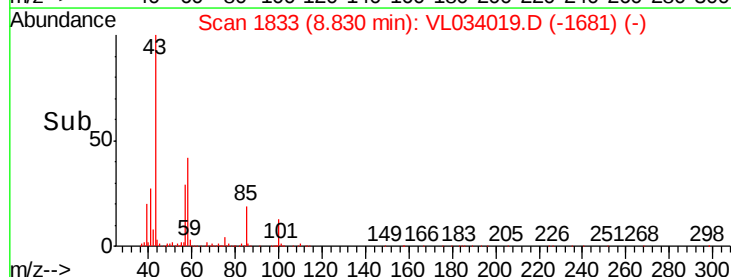
43 100

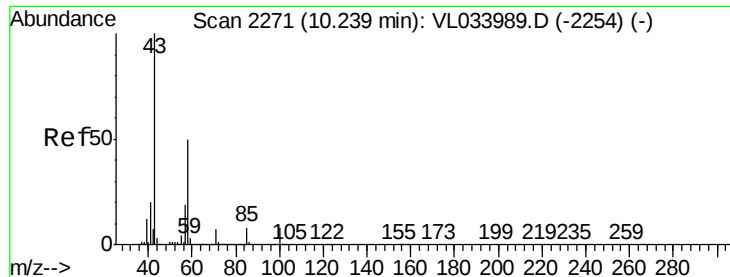
58 38.6 30.3 45.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

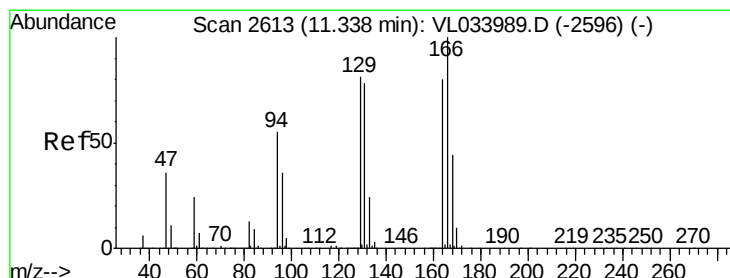
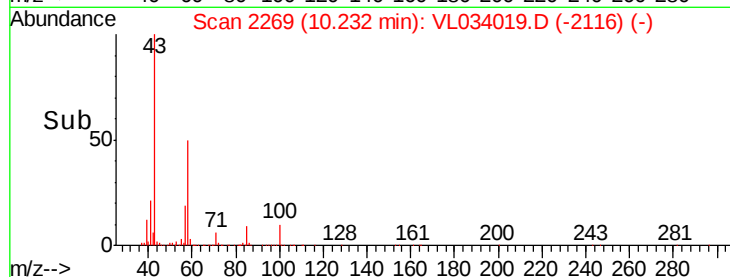
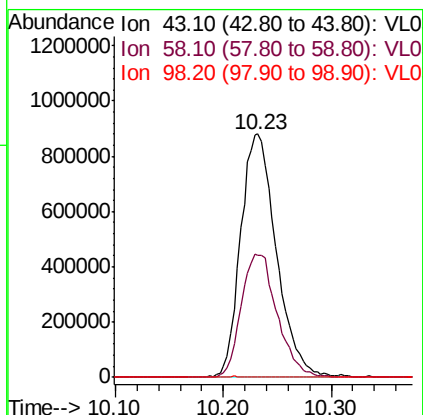
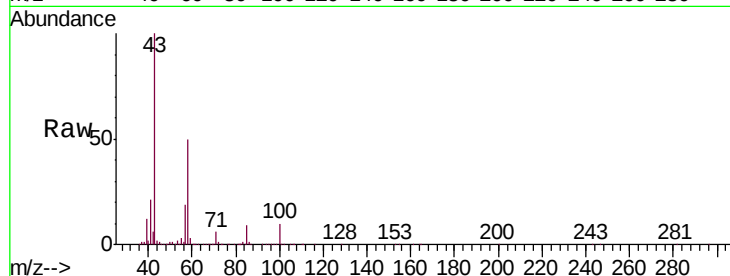




#51
2-Hexanone
Concen: 11.080 ppbv
RT: 10.23 min Scan# 2269
Delta R.T. -0.01 min
Lab File: VL034019.D
Acq: 11 Jul 2019 15:21

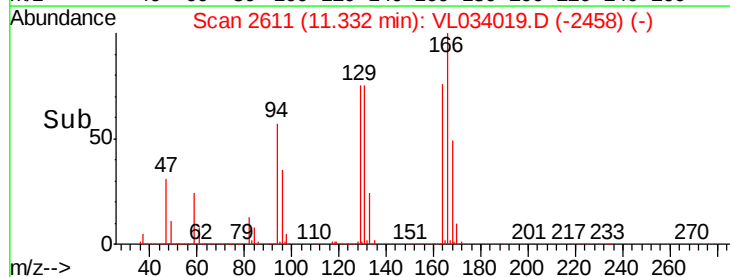
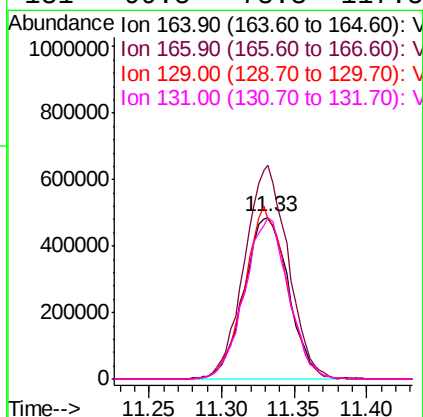
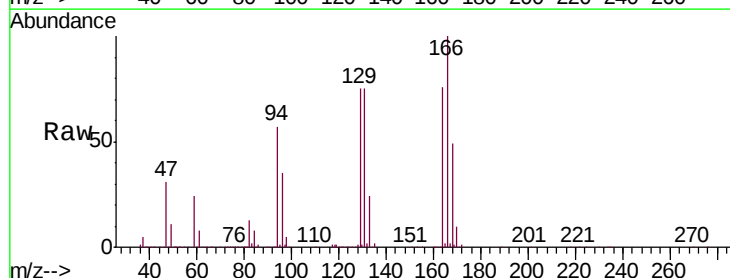
Instrument :
MSVOA_L
ClientSampleId :
VL0711ABS01

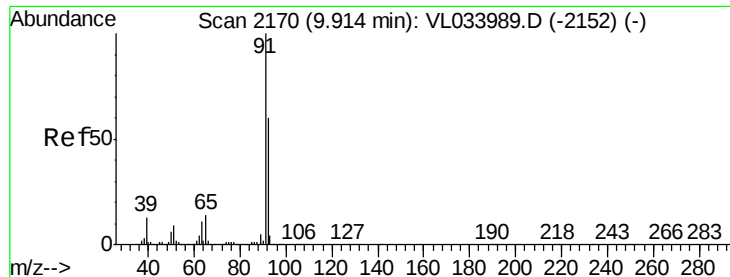
Tgt Ion: 43 Resp: 2027534
Ion Ratio Lower Upper
43 100
58 51.1 41.0 61.4
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 10.735 ppbv
RT: 11.33 min Scan# 2611
Delta R.T. -0.01 min
Lab File: VL034019.D
Acq: 11 Jul 2019 15:21

Tgt Ion: 164 Resp: 1044454
Ion Ratio Lower Upper
164 100
166 132.1 100.2 150.2
129 99.0 81.0 121.6
131 99.5 78.3 117.5





#53

Toluene

Concen: 11.984 ppbv

RT: 9.91 min Scan# 2168

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Instrument :

MSVOA_L

ClientSampleId :

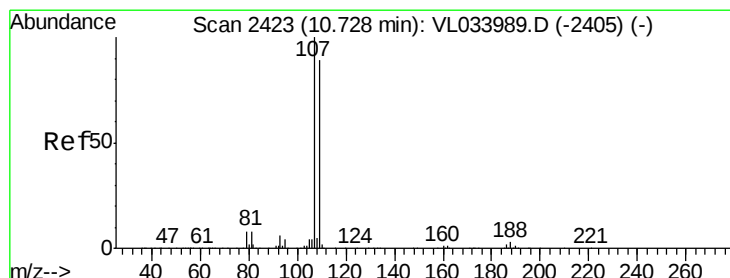
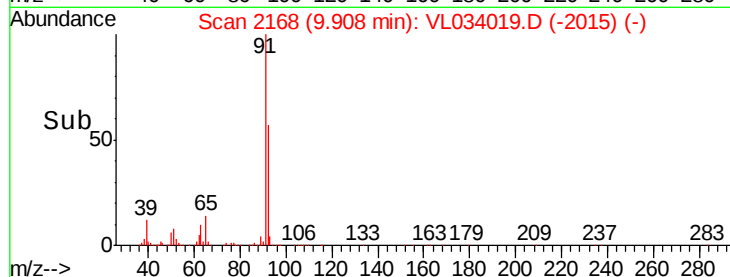
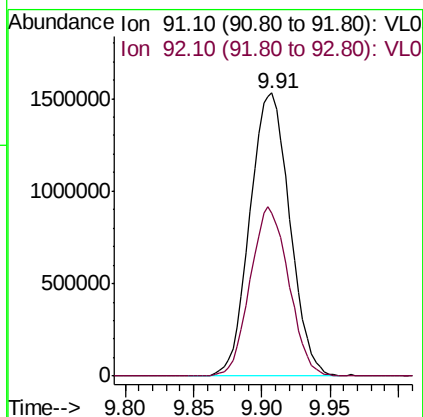
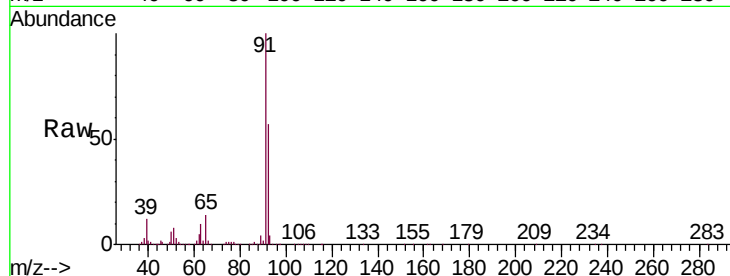
VL0711ABS01

Tgt Ion: 91 Resp: 3101041

Ion Ratio Lower Upper

91 100

92 57.9 47.7 71.5



#54

1,2-Dibromoethane

Concen: 10.859 ppbv

RT: 10.72 min Scan# 2420

Delta R.T. -0.01 min

Lab File: VL034019.D

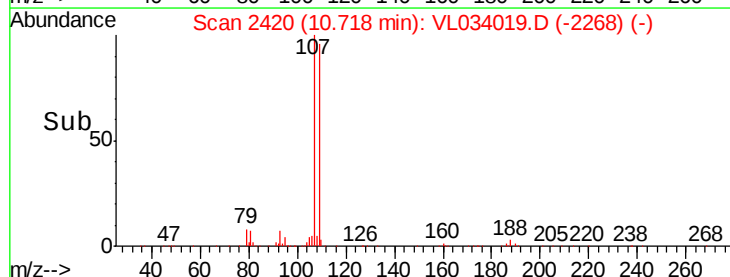
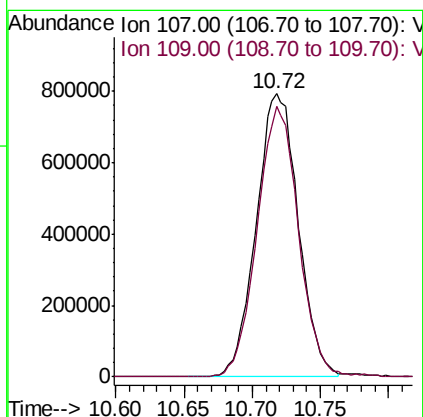
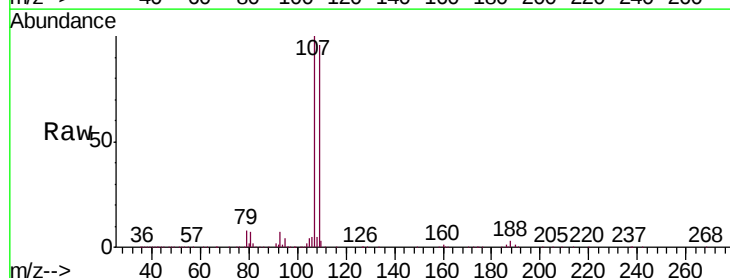
Acq: 11 Jul 2019 15:21

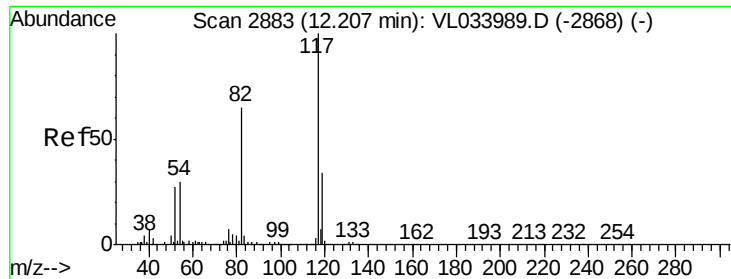
Tgt Ion: 107 Resp: 1693770

Ion Ratio Lower Upper

107 100

109 95.6 71.5 107.3

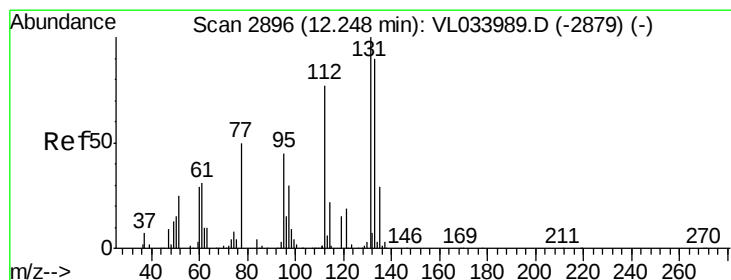
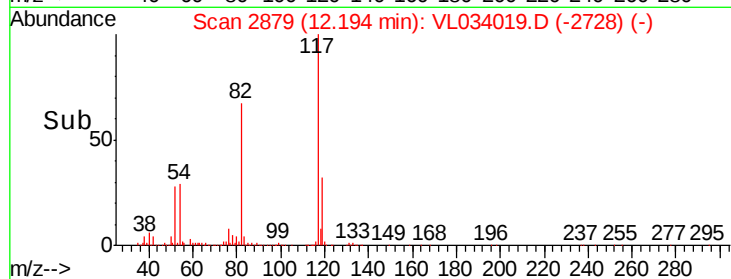
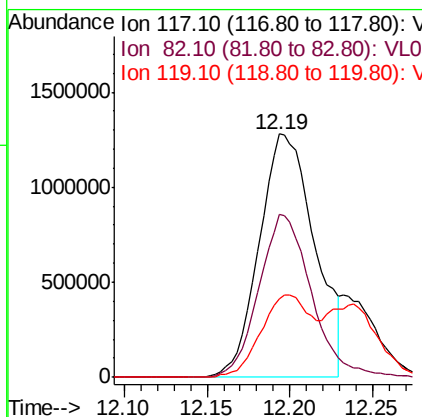
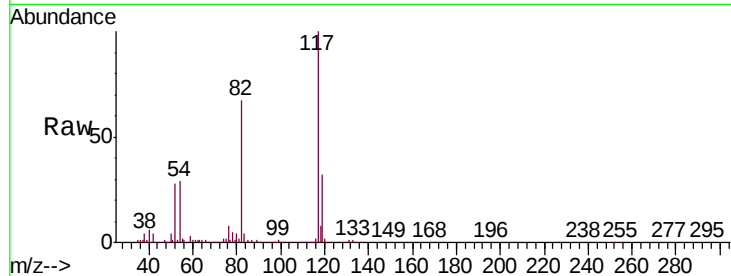




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.19 min Scan# 2879
Delta R.T. -0.01 min
Lab File: VL034019.D
Acq: 11 Jul 2019 15:21

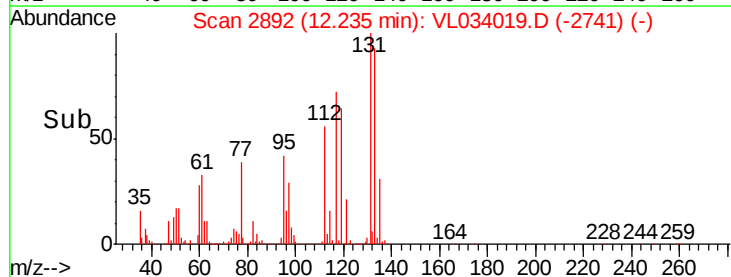
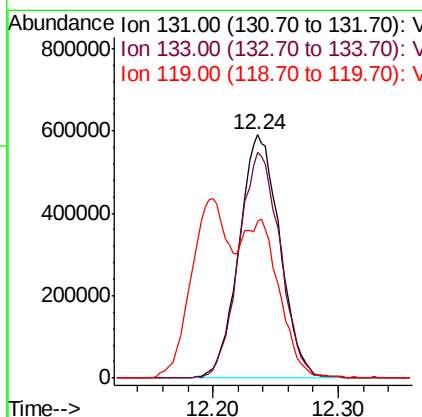
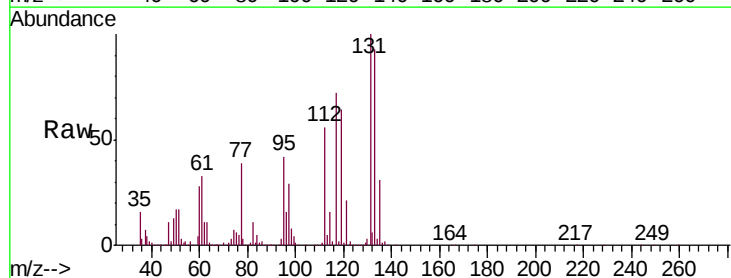
Instrument :
MSVOA_L
ClientSampleId :
VL0711ABS01

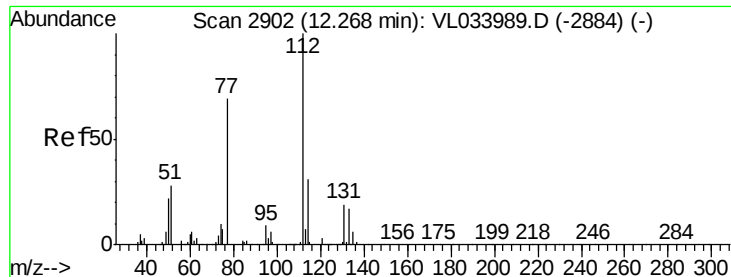
Tgt Ion:117 Resp: 2981749
Ion Ratio Lower Upper
117 100
82 63.9 50.8 76.2
119 30.3 24.0 36.0



#56
1,1,1,2-Tetrachloroethane
Concen: 9.987 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL034019.D
Acq: 11 Jul 2019 15:21

Tgt Ion:131 Resp: 1330935
Ion Ratio Lower Upper
131 100
133 94.9 76.2 114.2
119 58.5 43.1 64.7

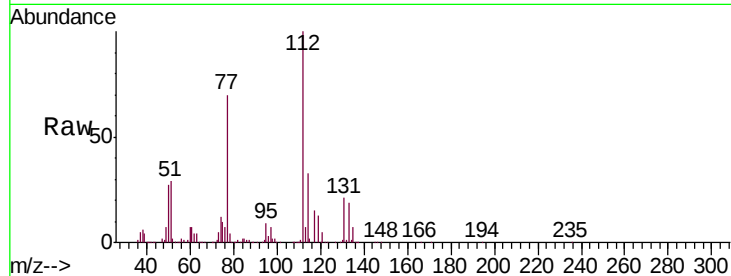




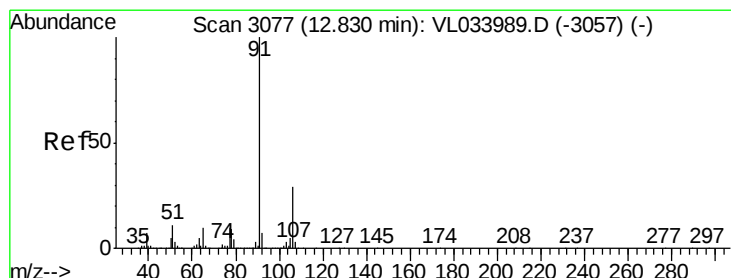
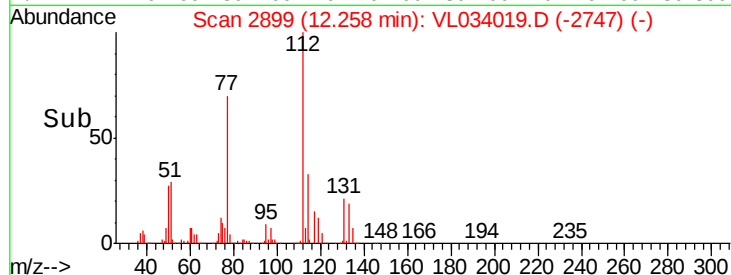
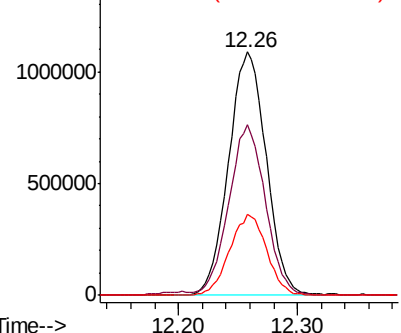
#57
Chlorobenzene
Concen: 10.037 ppbv
RT: 12.26 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VL034019.D
Acq: 11 Jul 2019 15:21

Instrument :
MSVOA_L
ClientSampleId :
VL0711ABS01

Tgt Ion: 112 Resp: 2382668
Ion Ratio Lower Upper
112 100
77 69.8 55.9 83.9
114 33.1 27.6 33.8

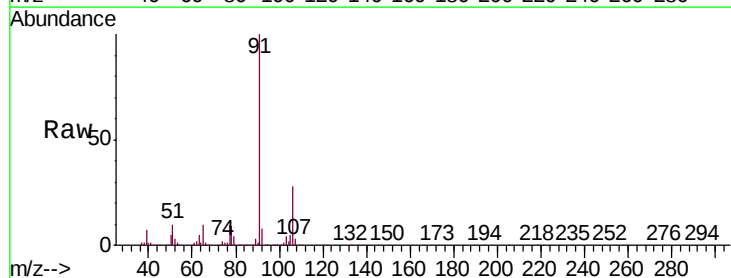


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

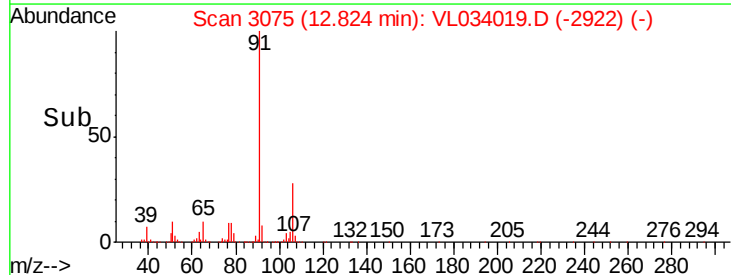
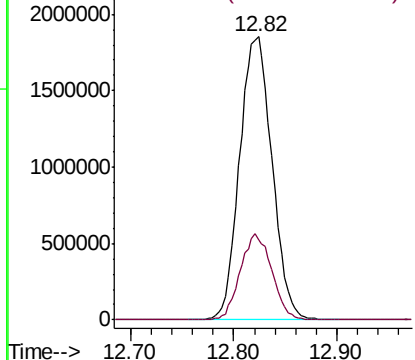


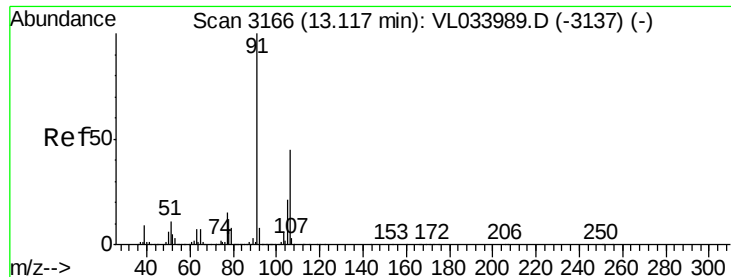
#58
Ethyl Benzene
Concen: 11.319 ppbv
RT: 12.82 min Scan# 3075
Delta R.T. -0.01 min
Lab File: VL034019.D
Acq: 11 Jul 2019 15:21

Tgt Ion: 91 Resp: 4058572
Ion Ratio Lower Upper
91 100
106 28.4 23.3 34.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

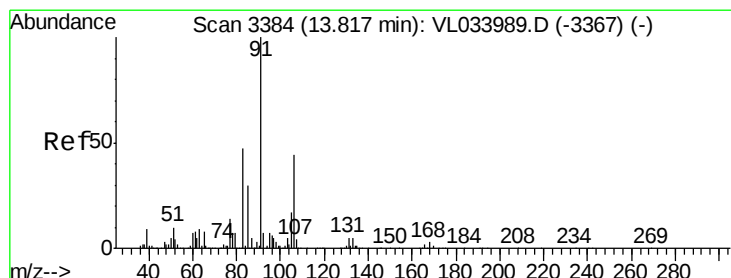
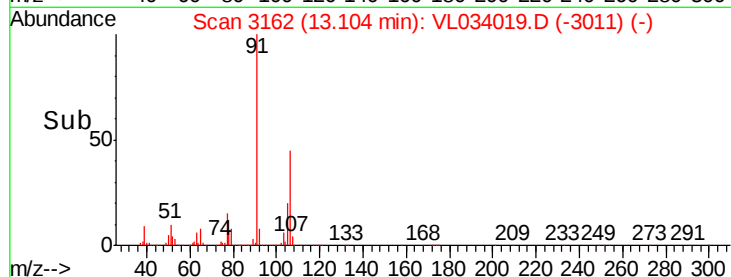
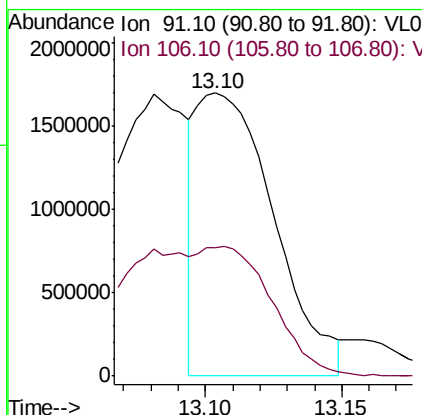
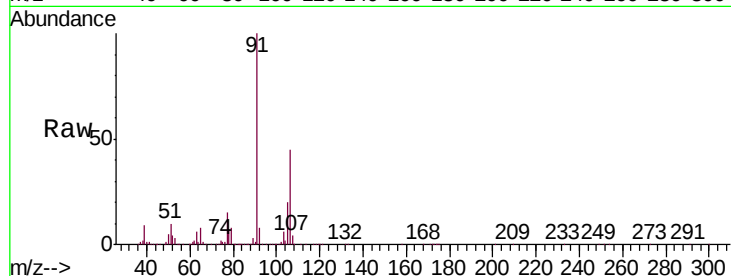




#59
m/p-Xylene
Concen: 10.236 ppbv
RT: 13.10 min Scan# 3162
Delta R.T. -0.01 min
Lab File: VL034019.D
Acq: 11 Jul 2019 15:21

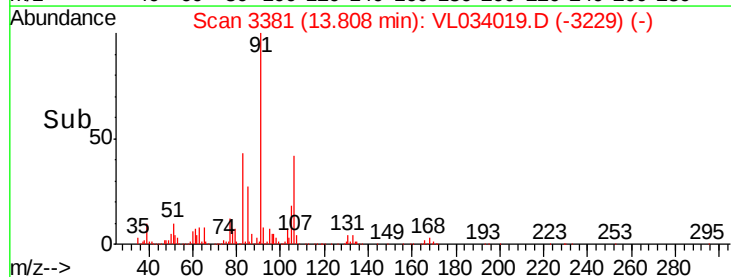
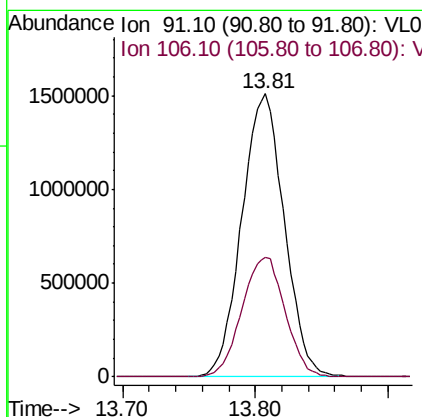
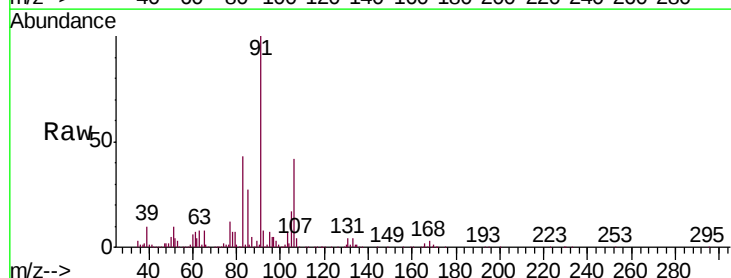
Instrument :
MSVOA_L
ClientSampleId :
VL0711ABS01

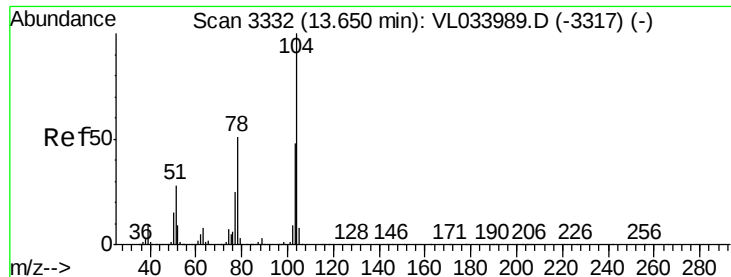
Tgt Ion: 91 Resp: 3323360
Ion Ratio Lower Upper
91 100
106 90.6 35.7 53.5#



#60
o-Xylene
Concen: 10.317 ppbv
RT: 13.81 min Scan# 3381
Delta R.T. -0.01 min
Lab File: VL034019.D
Acq: 11 Jul 2019 15:21

Tgt Ion: 91 Resp: 3350730
Ion Ratio Lower Upper
91 100
106 43.3 21.9 65.7

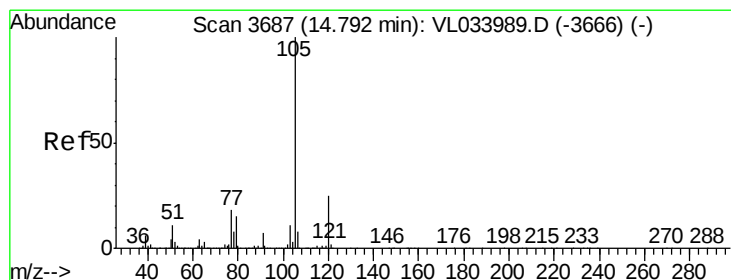
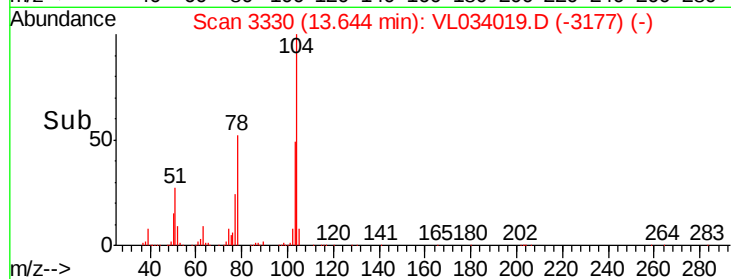
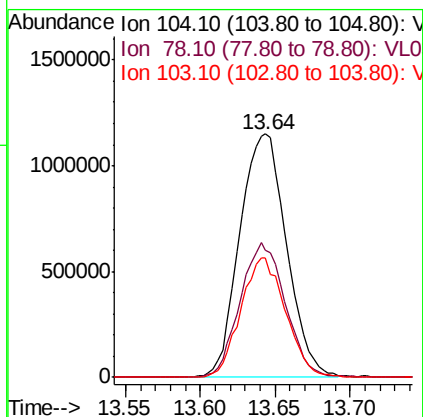
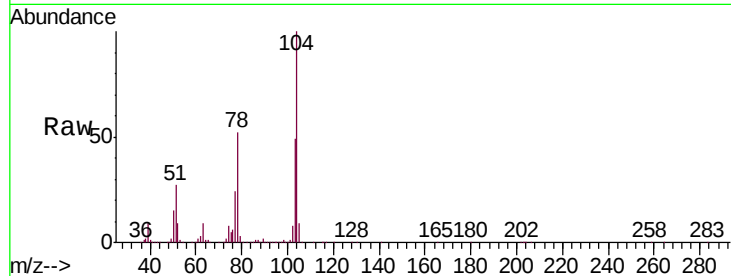




#61
Styrene
Concen: 11.607 ppbv
RT: 13.64 min Scan# 3330
Delta R.T. -0.01 min
Lab File: VL034019.D
Acq: 11 Jul 2019 15:21

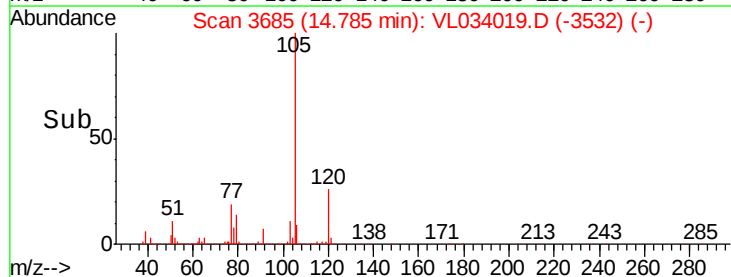
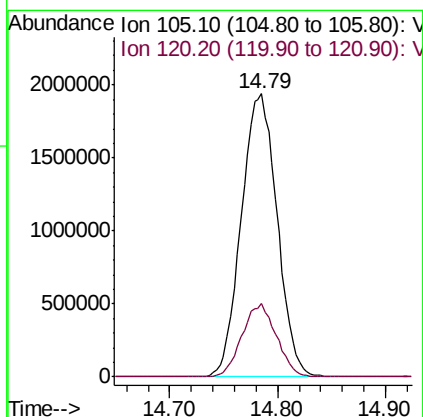
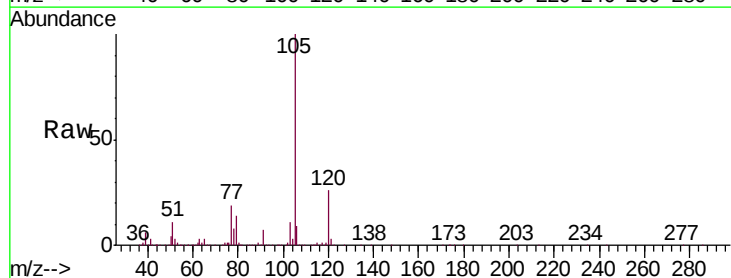
Instrument :
MSVOA_L
ClientSampleId :
VL0711ABS01

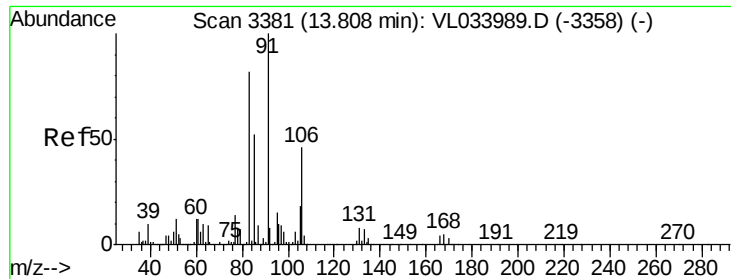
Tgt Ion:104 Resp: 2494905
Ion Ratio Lower Upper
104 100
78 53.8 43.9 65.9
103 47.6 38.1 57.1



#62
Isopropylbenzene
Concen: 8.977 ppbv
RT: 14.79 min Scan# 3685
Delta R.T. -0.01 min
Lab File: VL034019.D
Acq: 11 Jul 2019 15:21

Tgt Ion:105 Resp: 4482359
Ion Ratio Lower Upper
105 100
120 24.9 20.4 30.6

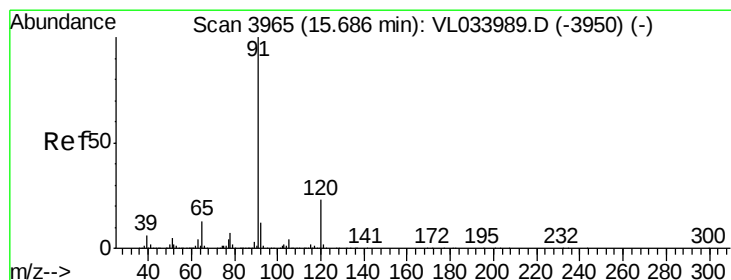
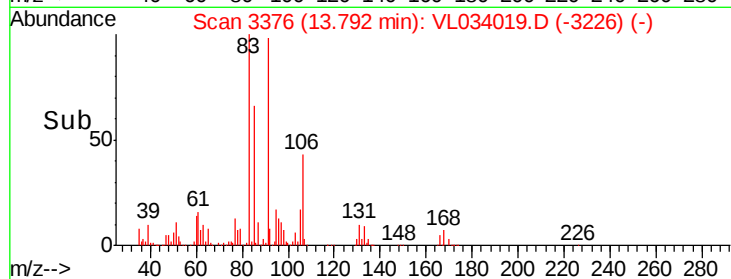
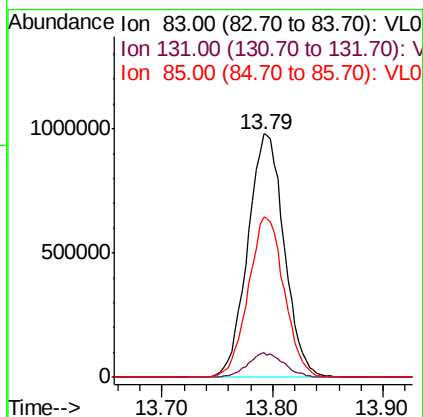
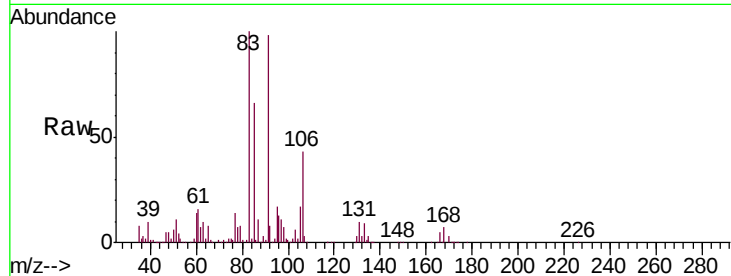




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.914 ppbv
 RT: 13.79 min Scan# 3376
 Delta R.T. -0.02 min
 Lab File: VL034019.D
 Acq: 11 Jul 2019 15:21

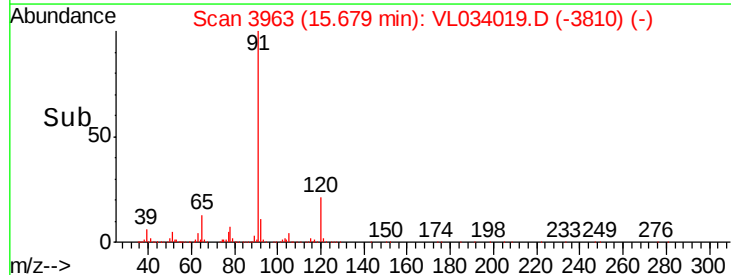
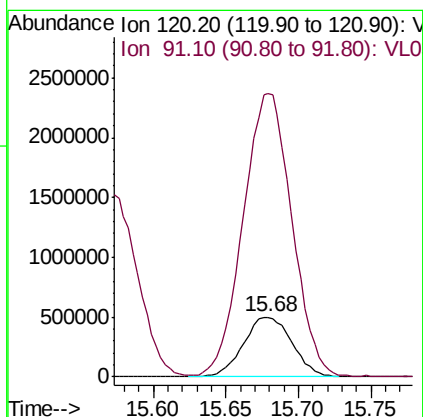
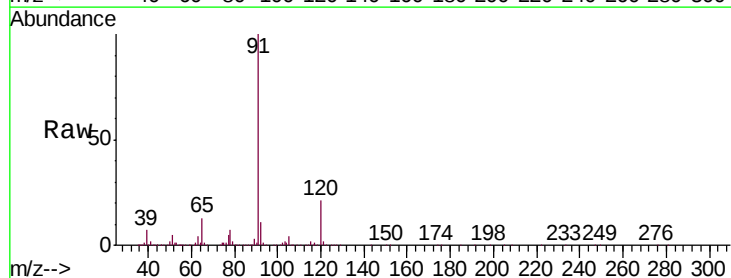
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0711ABS01

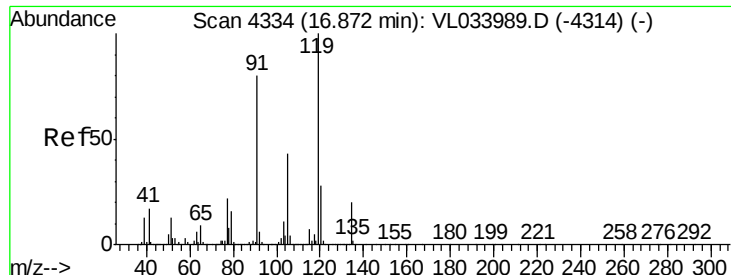
Tgt Ion: 83 Resp: 2241041
 Ion Ratio Lower Upper
 83 100
 131 10.1 5.0 14.9
 85 65.2 32.8 98.3



#64
 n-propylbenzene
 Concen: 8.936 ppbv
 RT: 15.68 min Scan# 3963
 Delta R.T. -0.01 min
 Lab File: VL034019.D
 Acq: 11 Jul 2019 15:21

Tgt Ion: 120 Resp: 1156988
 Ion Ratio Lower Upper
 120 100
 91 481.2 386.6 579.8

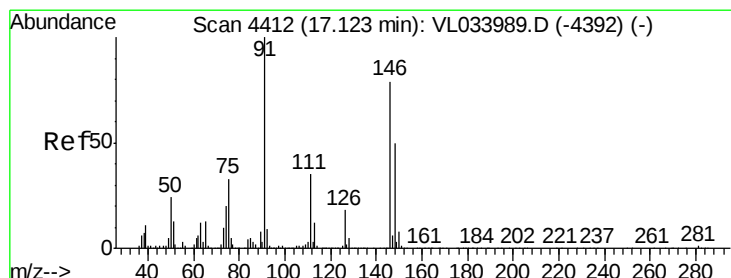
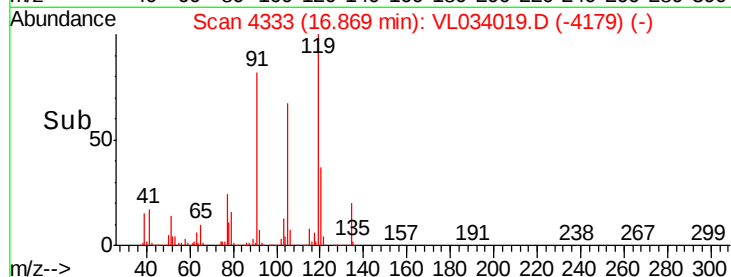
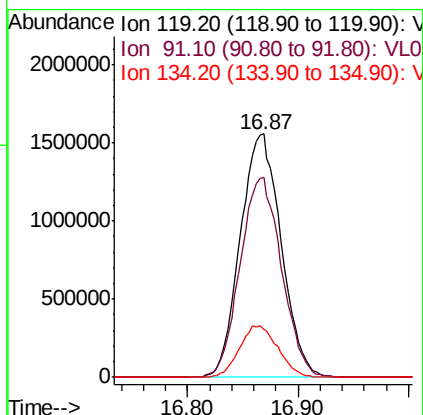
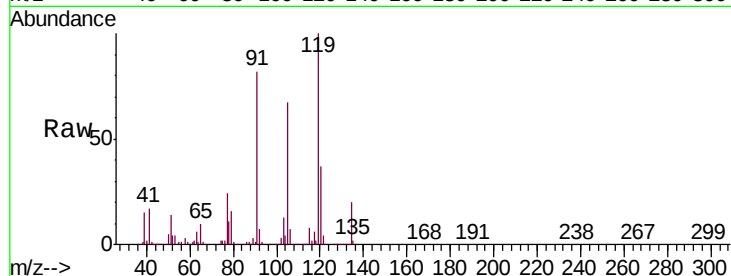




#65
 tert-Butylbenzene
 Concen: 9.402 ppbv
 RT: 16.87 min Scan# 4333
 Delta R.T. -0.00 min
 Lab File: VL034019.D
 Acq: 11 Jul 2019 15:21

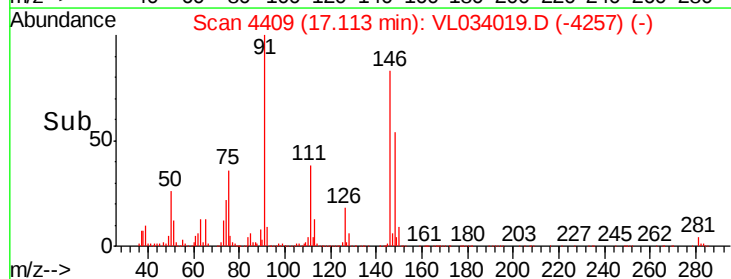
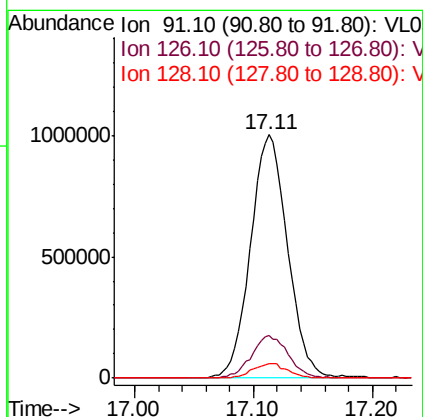
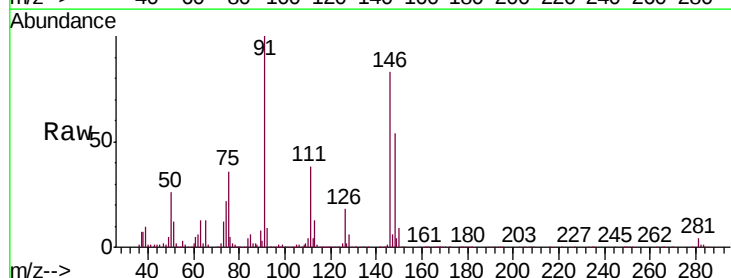
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0711ABS01

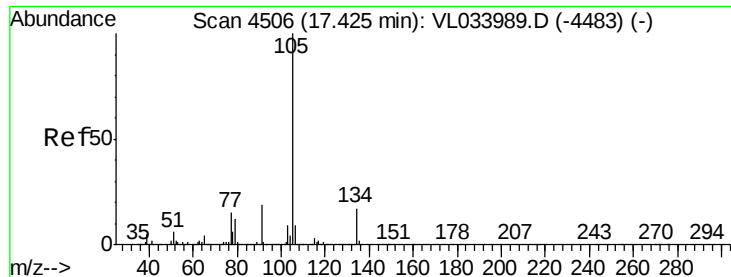
Tgt Ion: 119 Resp: 3992160
 Ion Ratio Lower Upper
 119 100
 91 83.4 67.0 100.6
 134 20.2 15.8 23.6



#66
 Benzyl Chloride
 Concen: 9.922 ppbv
 RT: 17.11 min Scan# 4409
 Delta R.T. -0.01 min
 Lab File: VL034019.D
 Acq: 11 Jul 2019 15:21

Tgt Ion: 91 Resp: 2155402
 Ion Ratio Lower Upper
 91 100
 126 17.5 13.9 20.9
 128 5.7 4.6 7.0

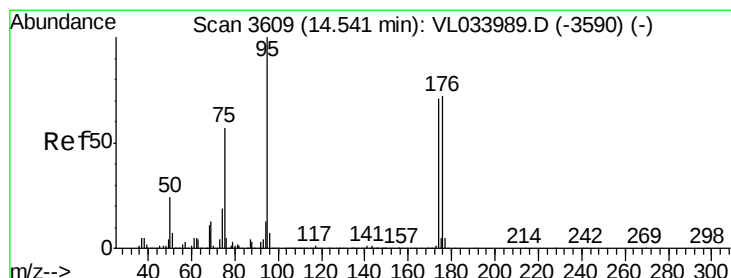
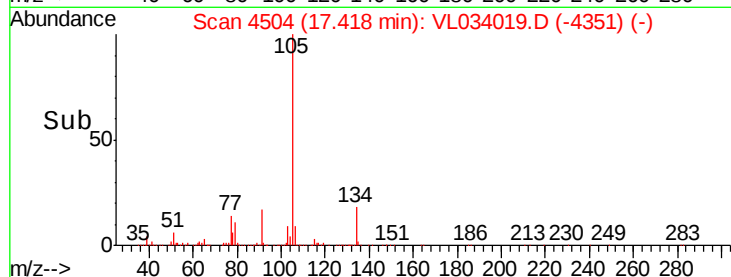
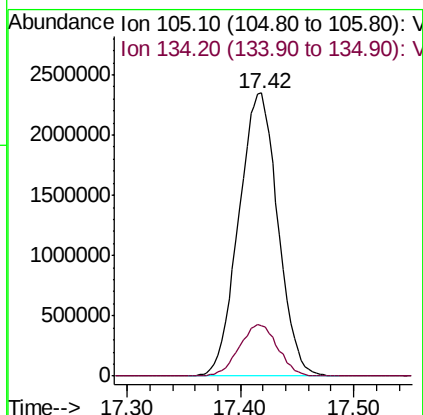
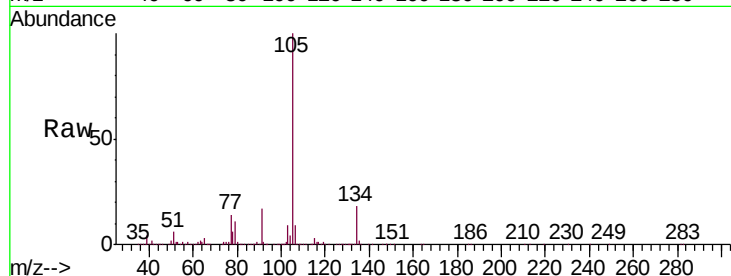




#67
 sec-Butylbenzene
 Concen: 9.468 ppbv
 RT: 17.42 min Scan# 4504
 Delta R.T. -0.01 min
 Lab File: VL034019.D
 Acq: 11 Jul 2019 15:21

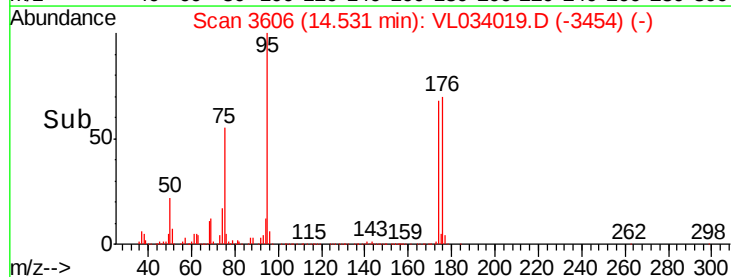
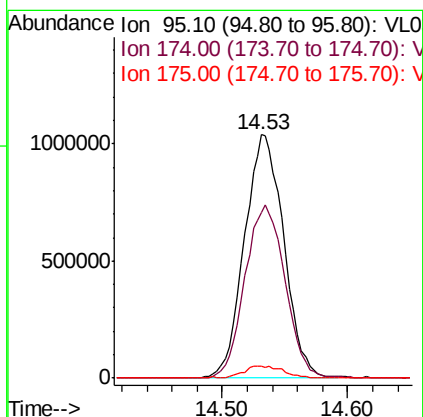
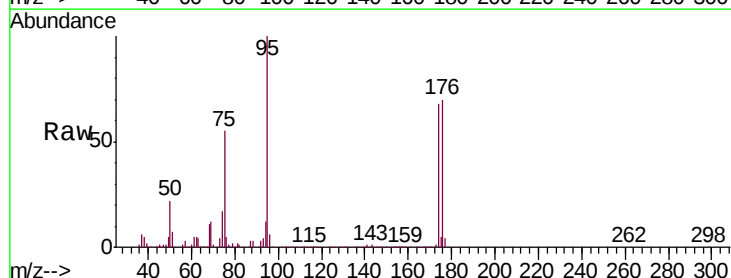
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0711ABS01

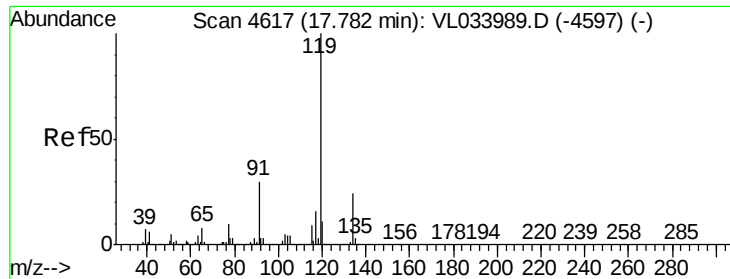
Tgt Ion: 105 Resp: 5642597
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.902 ppbv
 RT: 14.53 min Scan# 3606
 Delta R.T. -0.01 min
 Lab File: VL034019.D
 Acq: 11 Jul 2019 15:21

Tgt Ion: 95 Resp: 2263962
 Ion Ratio Lower Upper
 95 100
 174 73.1 60.5 90.7
 175 5.1 4.0 6.0

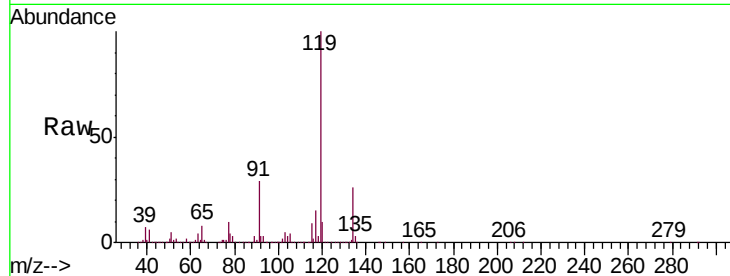




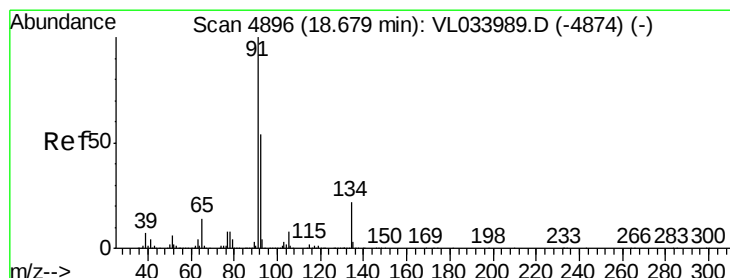
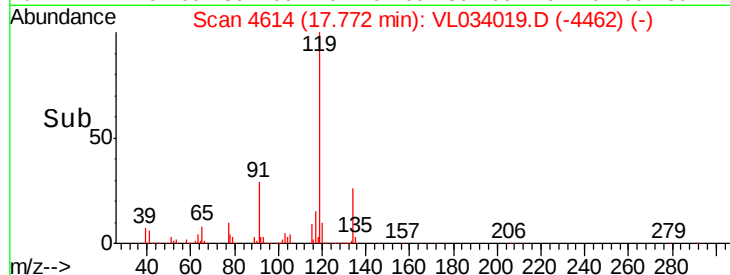
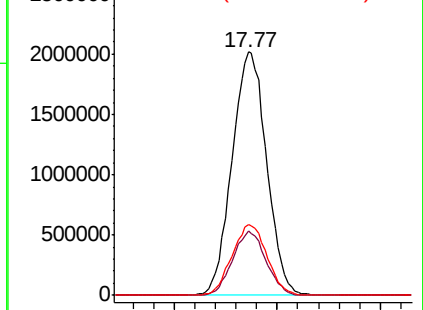
#69
p-Isopropyltoluene
Concen: 9.573 ppbv
RT: 17.77 min Scan# 4614
Delta R.T. -0.01 min
Lab File: VL034019.D
Acq: 11 Jul 2019 15:21

Instrument :
MSVOA_L
ClientSampleId :
VL0711ABS01

Tgt Ion: 119 Resp: 4704116
Ion Ratio Lower Upper
119 100
134 25.5 20.1 30.1
91 29.3 23.6 35.4

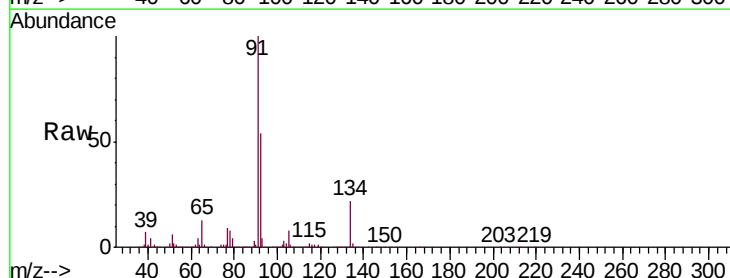


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): VL0

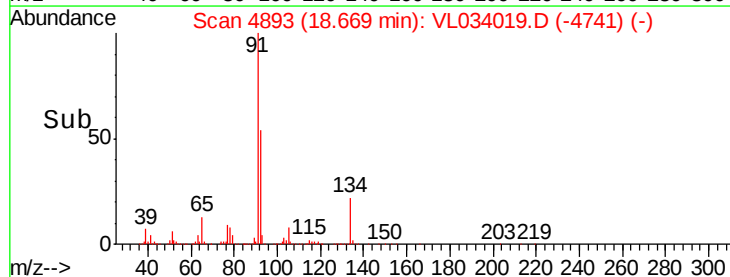
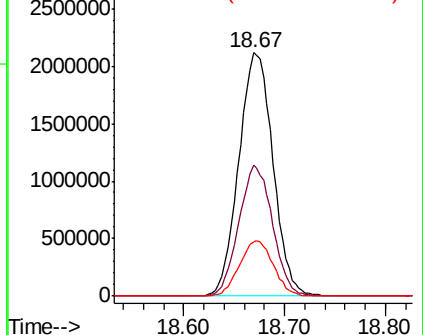


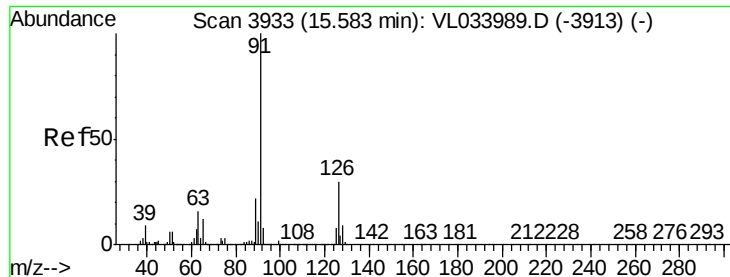
#70
n-Butylbenzene
Concen: 9.600 ppbv
RT: 18.67 min Scan# 4893
Delta R.T. -0.01 min
Lab File: VL034019.D
Acq: 11 Jul 2019 15:21

Tgt Ion: 91 Resp: 4955632
Ion Ratio Lower Upper
91 100
92 53.2 42.0 63.0
134 22.6 17.9 26.9



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: 9.310 ppbv

RT: 15.57 min Scan# 3930

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Instrument :

MSVOA_L

ClientSampleId :

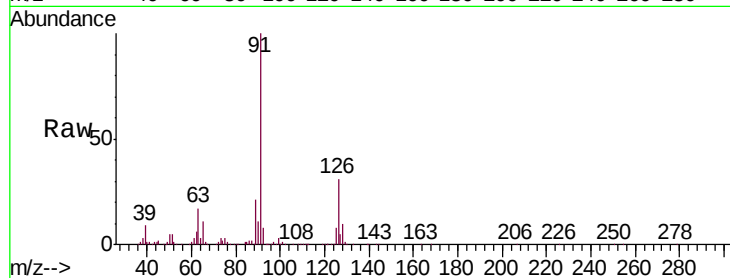
VL0711ABS01

Tgt Ion: 91 Resp: 3401805

Ion Ratio Lower Upper

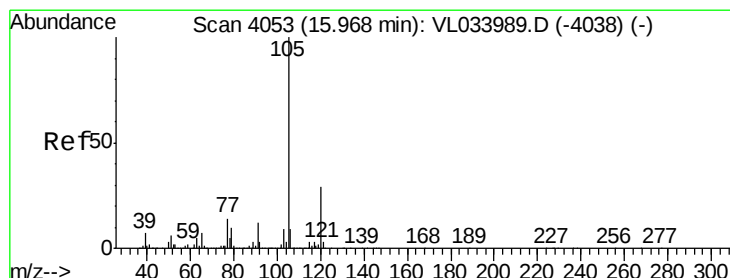
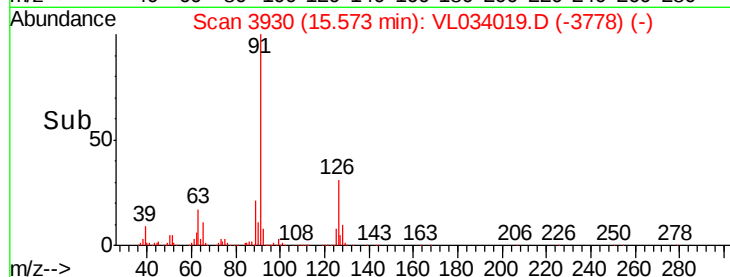
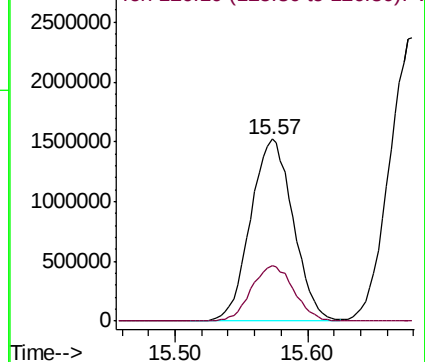
91 100

126 30.5 12.3 49.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.533 ppbv

RT: 15.96 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Tgt Ion: 105 Resp: 3976300

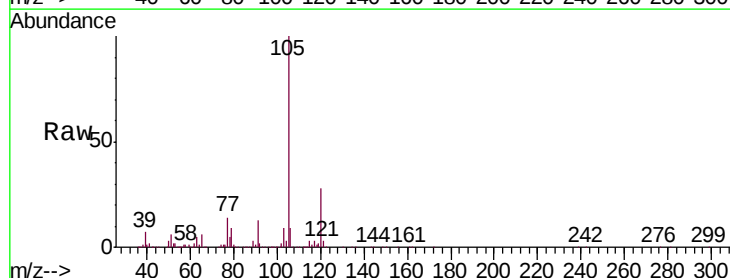
Ion Ratio Lower Upper

105 100

120 28.3 24.1 36.1

91 13.0 10.6 16.0

77 13.8 11.5 17.3

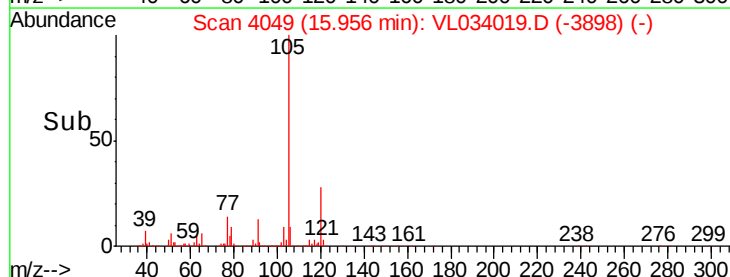
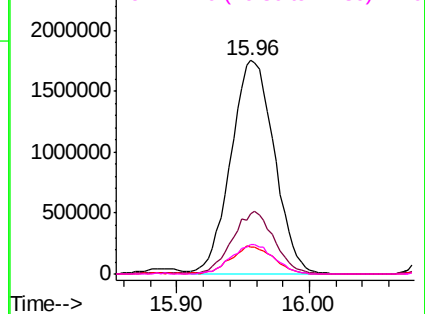


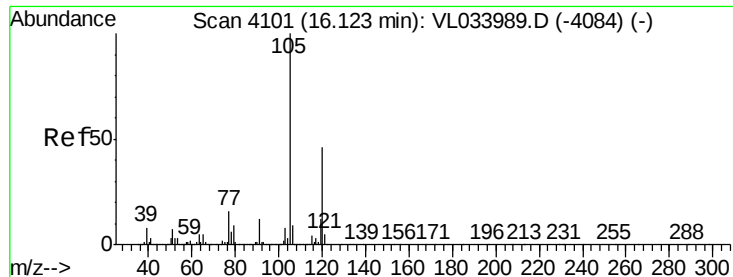
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 9.731 ppbv

RT: 16.11 min Scan# 4098

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Instrument :

MSVOA_L

ClientSampleId :

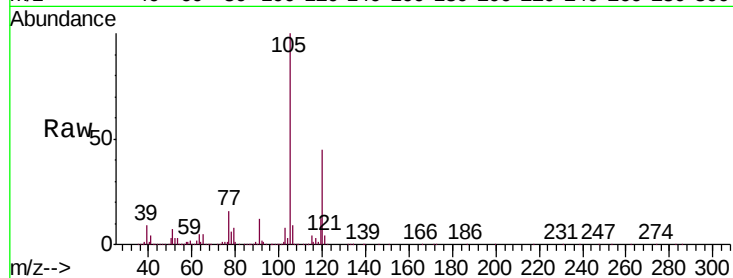
VL0711ABS01

Tgt Ion:105 Resp: 3776587

Ion Ratio Lower Upper

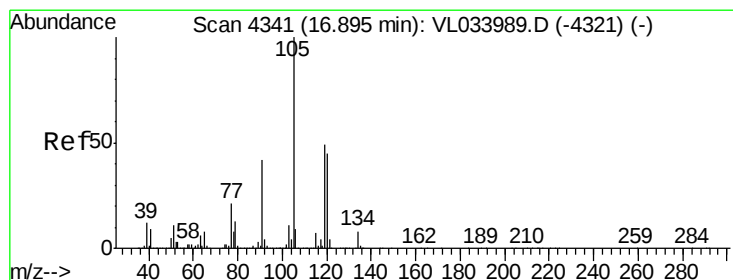
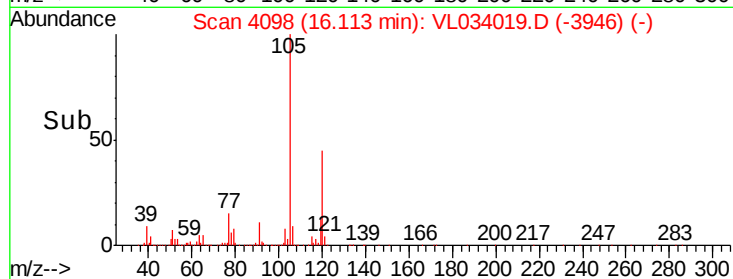
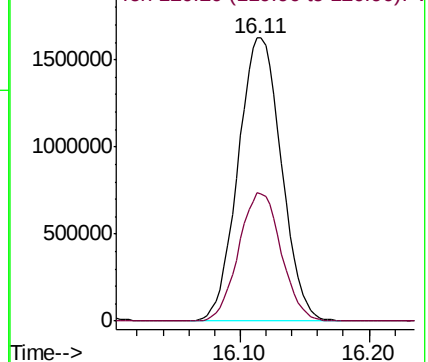
105 100

120 45.4 36.4 54.6



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: 8.978 ppbv

RT: 16.88 min Scan# 4338

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Tgt Ion:105 Resp: 3859394

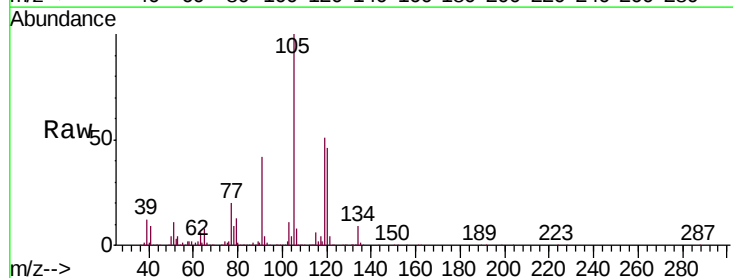
Ion Ratio Lower Upper

105 100

120 45.9 36.2 54.2

91 41.5 34.3 51.5

77 20.1 17.1 25.7

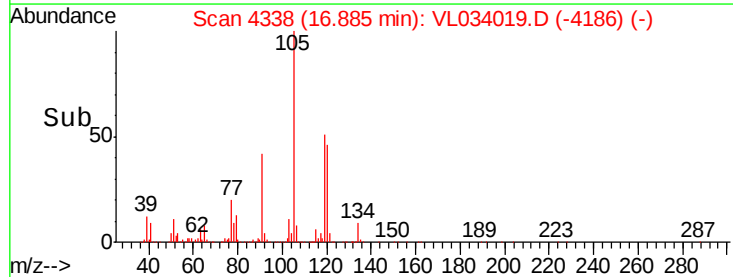
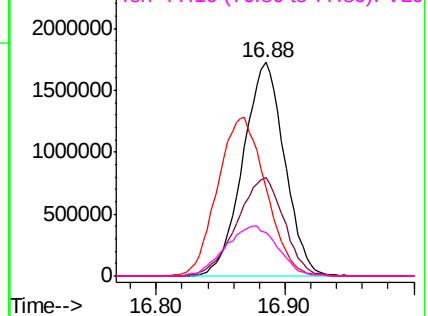


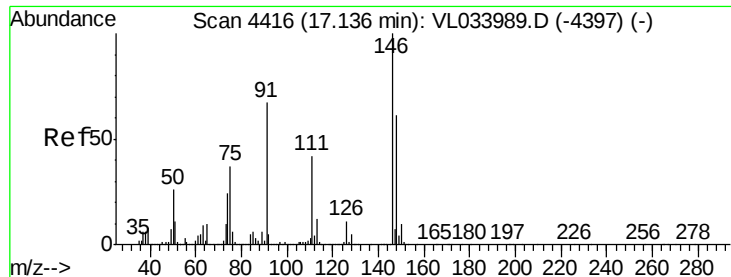
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.565 ppbv

RT: 17.12 min Scan# 4412

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Instrument :

MSVOA_L

ClientSampleId :

VL0711ABS01

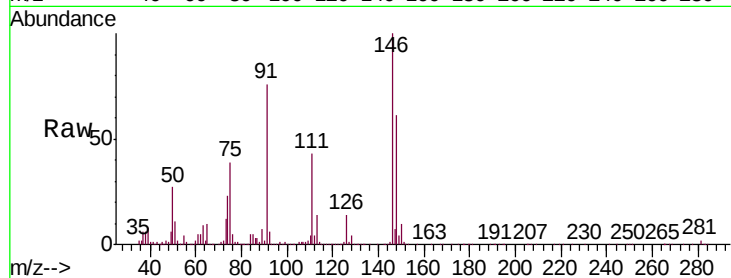
Tgt Ion:146 Resp: 2338755

Ion Ratio Lower Upper

146 100

111 44.8 22.3 66.9

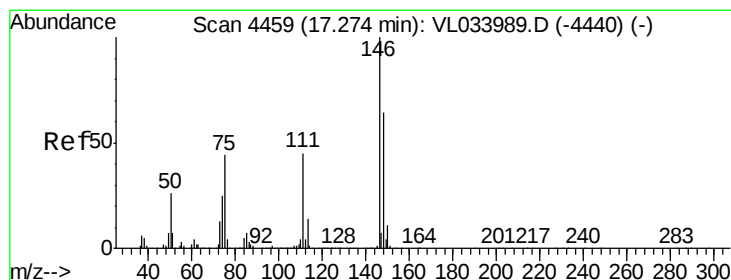
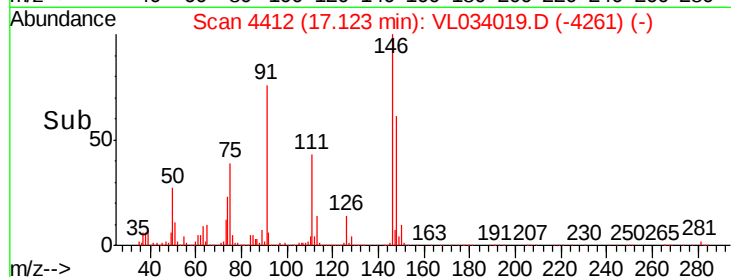
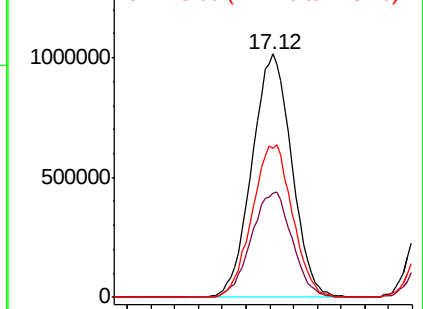
148 63.9 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.941 ppbv

RT: 17.26 min Scan# 4456

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

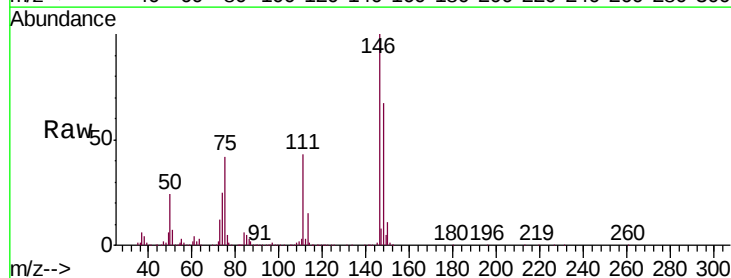
Tgt Ion:146 Resp: 2299222

Ion Ratio Lower Upper

146 100

111 43.4 21.9 65.5

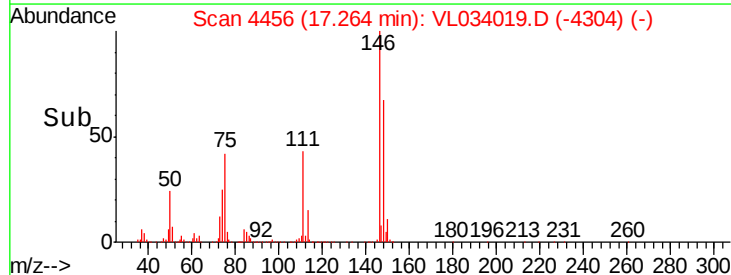
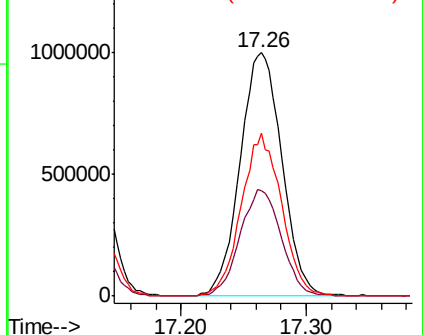
148 64.6 32.5 97.5

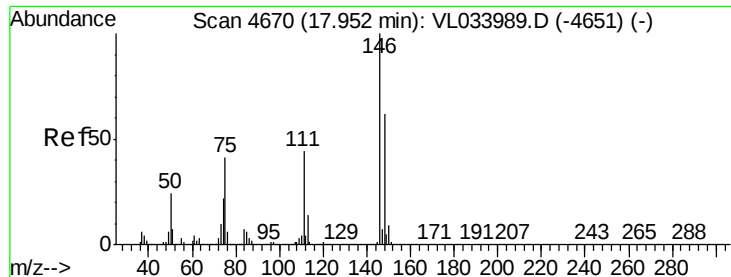


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

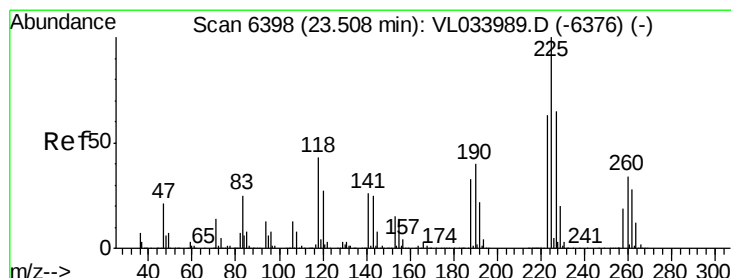
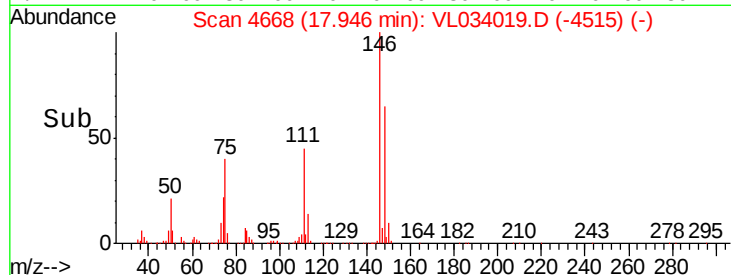
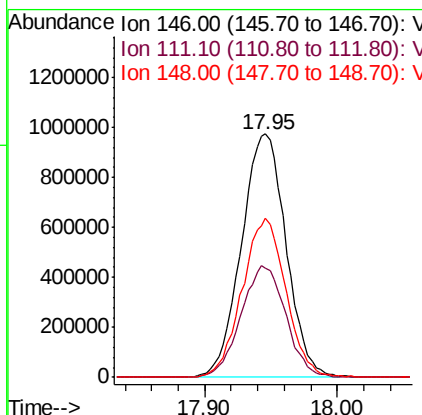
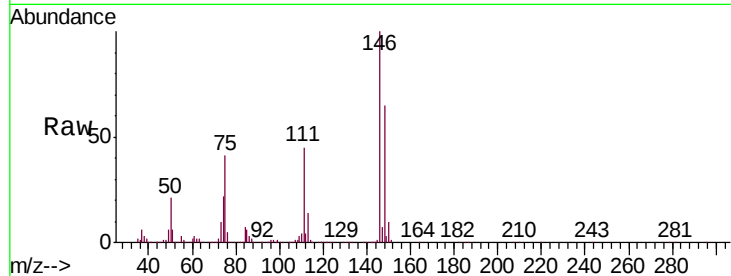




#77
 1,2-Dichlorobenzene
 Concen: 8.988 ppbv
 RT: 17.95 min Scan# 4668
 Delta R.T. -0.01 min
 Lab File: VL034019.D
 Acq: 11 Jul 2019 15:21

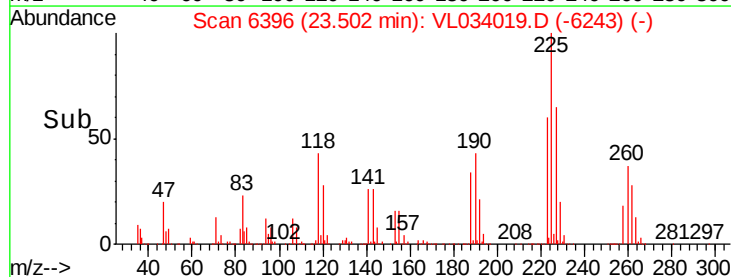
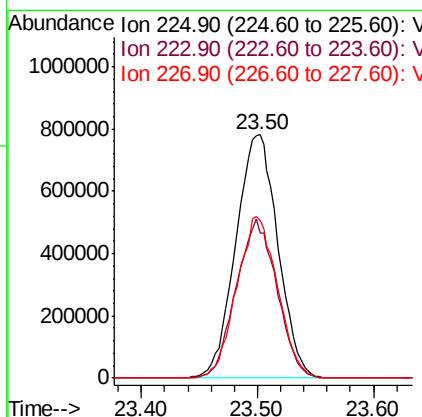
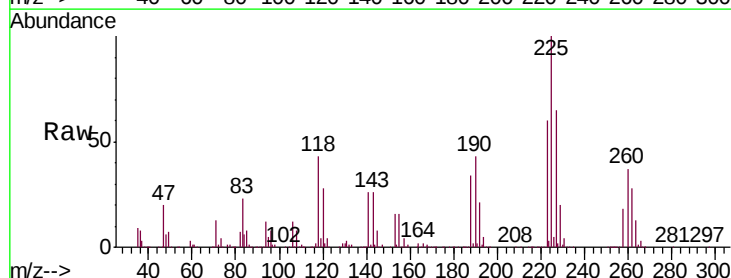
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0711ABS01

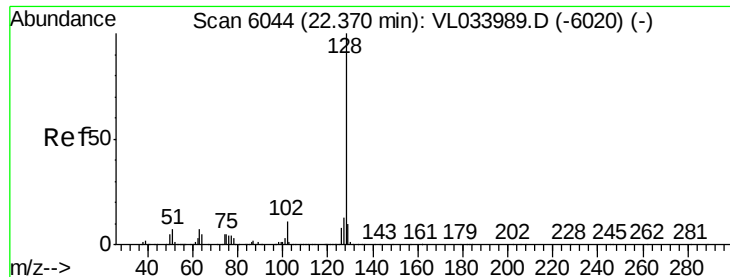
Tgt Ion:146 Resp: 2272618
 Ion Ratio Lower Upper
 146 100
 111 46.3 22.7 68.1
 148 64.4 32.1 96.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.147 ppbv
 RT: 23.50 min Scan# 6396
 Delta R.T. -0.01 min
 Lab File: VL034019.D
 Acq: 11 Jul 2019 15:21

Tgt Ion:225 Resp: 1967936
 Ion Ratio Lower Upper
 225 100
 223 63.1 51.5 77.3
 227 64.5 52.1 78.1





#79

Naphthalene

Concen: 11.776 ppbv

RT: 22.36 min Scan# 6041

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Instrument :

MSVOA_L

ClientSampleId :

VL0711ABS01

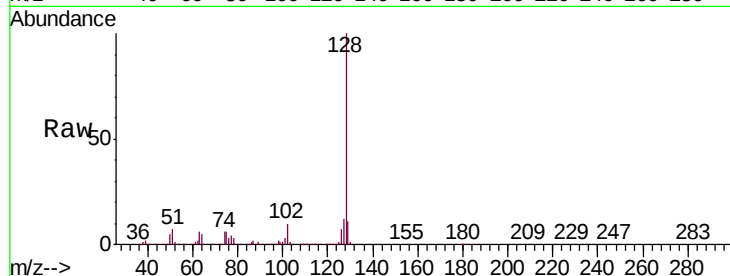
Tgt Ion:128 Resp: 4255564

Ion Ratio Lower Upper

128 100

127 12.1 10.6 15.8

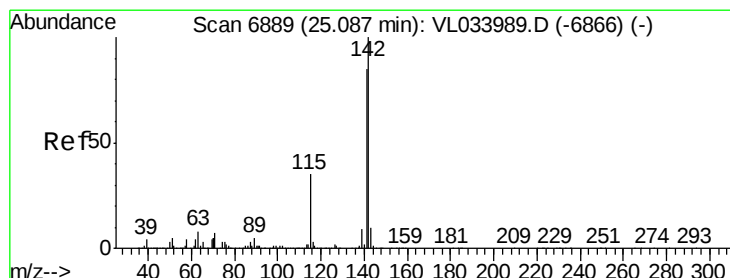
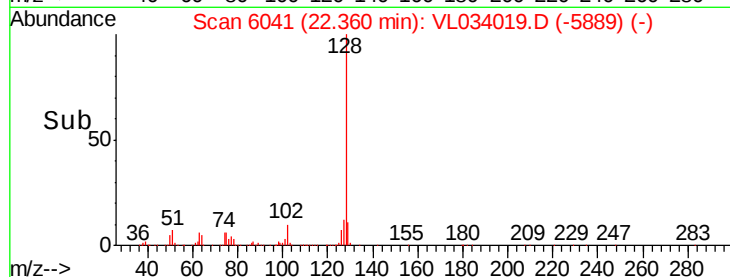
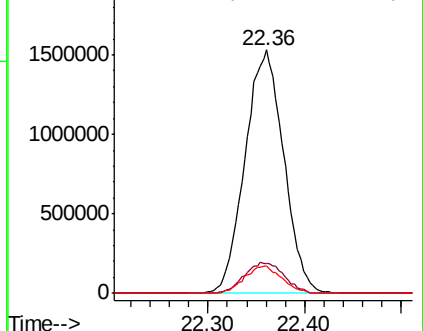
129 11.2 8.3 12.5



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 8.224 ppbv

RT: 25.08 min Scan# 6887

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

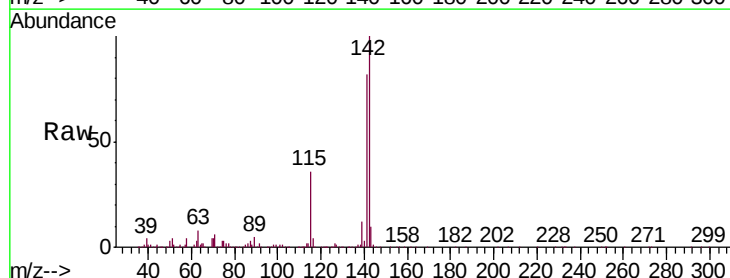
Tgt Ion:142 Resp: 1081567

Ion Ratio Lower Upper

142 100

141 84.6 68.2 102.2

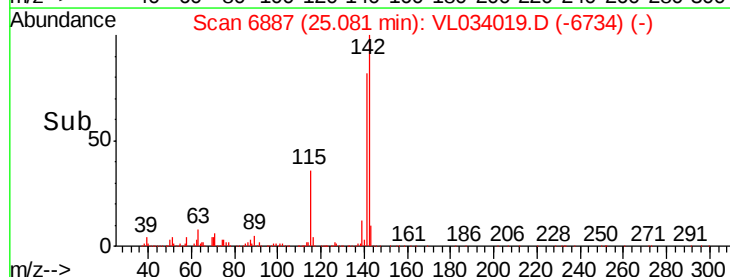
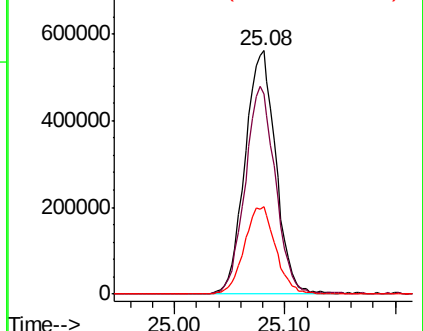
115 36.8 29.9 44.9

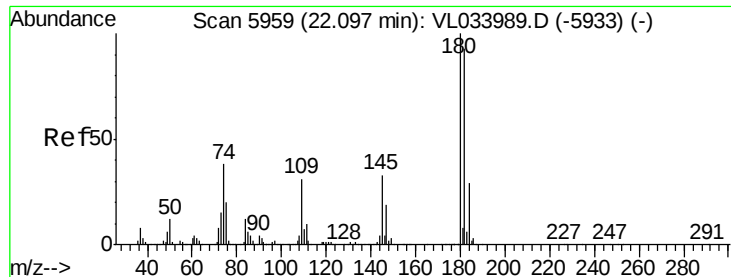


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 10.525 ppbv

RT: 22.08 min Scan# 5955

Delta R.T. -0.01 min

Lab File: VL034019.D

Acq: 11 Jul 2019 15:21

Instrument :

MSVOA_L

ClientSampleId :

VL0711ABS01

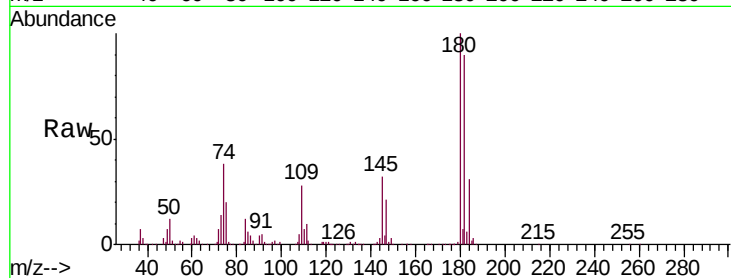
Tgt Ion:180 Resp: 2442877

Ion Ratio Lower Upper

180 100

182 96.3 76.6 114.8

184 31.0 24.6 36.8



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

