

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112519\
 Data File : VL034403.D
 Acq On : 25 Nov 2019 12:25
 Operator : SY/AP
 Sample : VL1125ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 26 00:42:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	968691	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1962124	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2077734	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	1708256	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1892670	10.800	ppbv	99
3) Chlorodifluoromethane	2.96	51	1130823	9.356	ppbv	99
4) Chloromethane	3.11	50	691946	9.706	ppbv	96
5) Vinyl Chloride	3.23	62	627798	9.399	ppbv	98
6) Bromomethane	3.46	94	326830	9.725	ppbv	90
7) Chloroethane	3.54	64	233759	9.642	ppbv	96
8) Dichlorotetrafluoroethane	3.17	85	1455457	9.248	ppbv	99
9) Propene	2.98	41	507397	9.456	ppbv	98
10) Heptane	8.16	43	1355995	9.792	ppbv	99
11) Trichlorofluoromethane	3.94	101	1646057	9.438	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1099945	9.497	ppbv	100
13) Ethanol	3.59	45	89272	5.972	ppbv	89
14) Bromoethene	3.73	108	460406	9.776	ppbv	99
15) Acetone	3.84	43	1207183	8.703	ppbv	99
16) 1,3-Butadiene	3.31	39	594714	9.842	ppbv	99
17) tert-Butyl alcohol	4.29	59	857670	7.356	ppbv	99
18) 1,1-Dichloroethene	4.28	96	496977	9.809	ppbv	95
19) Isopropyl Alcohol	3.96	45	681323	7.663	ppbv	# 99
20) Methylene Chloride	4.34	84	432054	8.784	ppbv	92
21) Allyl Chloride	4.41	41	865631	10.414	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	510088	9.987	ppbv	98
23) Vinyl Acetate	5.08	43	1857562	10.251	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1334692	9.589	ppbv	99
25) Ethyl Acetate	5.69	43	2352349	9.503	ppbv	100
26) Hexane	5.70	57	1003534	9.435	ppbv	99
27) Carbon Disulfide	4.55	76	1276065	11.015	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1704531	9.665	ppbv	99
29) Chloroform	5.77	83	1634382	9.489	ppbv	100
30) Cyclohexane	7.16	84	801856	9.972	ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	1081418	9.839	ppbv	95
32) 1,1,1-Trichloroethane	6.53	97	1647102	10.199	ppbv	99
34) 2-Butanone	5.25	43	1571900	9.733	ppbv	99
35) Carbon Tetrachloride	7.05	117	1744929	10.343	ppbv	99
36) Benzene	6.92	78	1921029	9.794	ppbv	96
37) 1,2-Dichloroethane	6.33	62	1420090	9.746	ppbv	99
38) Trichloroethene	7.87	130	765226	9.507	ppbv	99
39) 1,2-Dichloropropane	7.65	63	811381	10.738	ppbv	99
40) 1,4-Dioxane	7.86	88	265854	8.054	ppbv	# 95
41) Tetrahydrofuran	6.07	42	897962	9.913	ppbv	98
42) Bromodichloromethane	7.83	83	1826879	10.025	ppbv	99
43) Methyl Methacrylate	8.05	69	834925	10.263	ppbv	99

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
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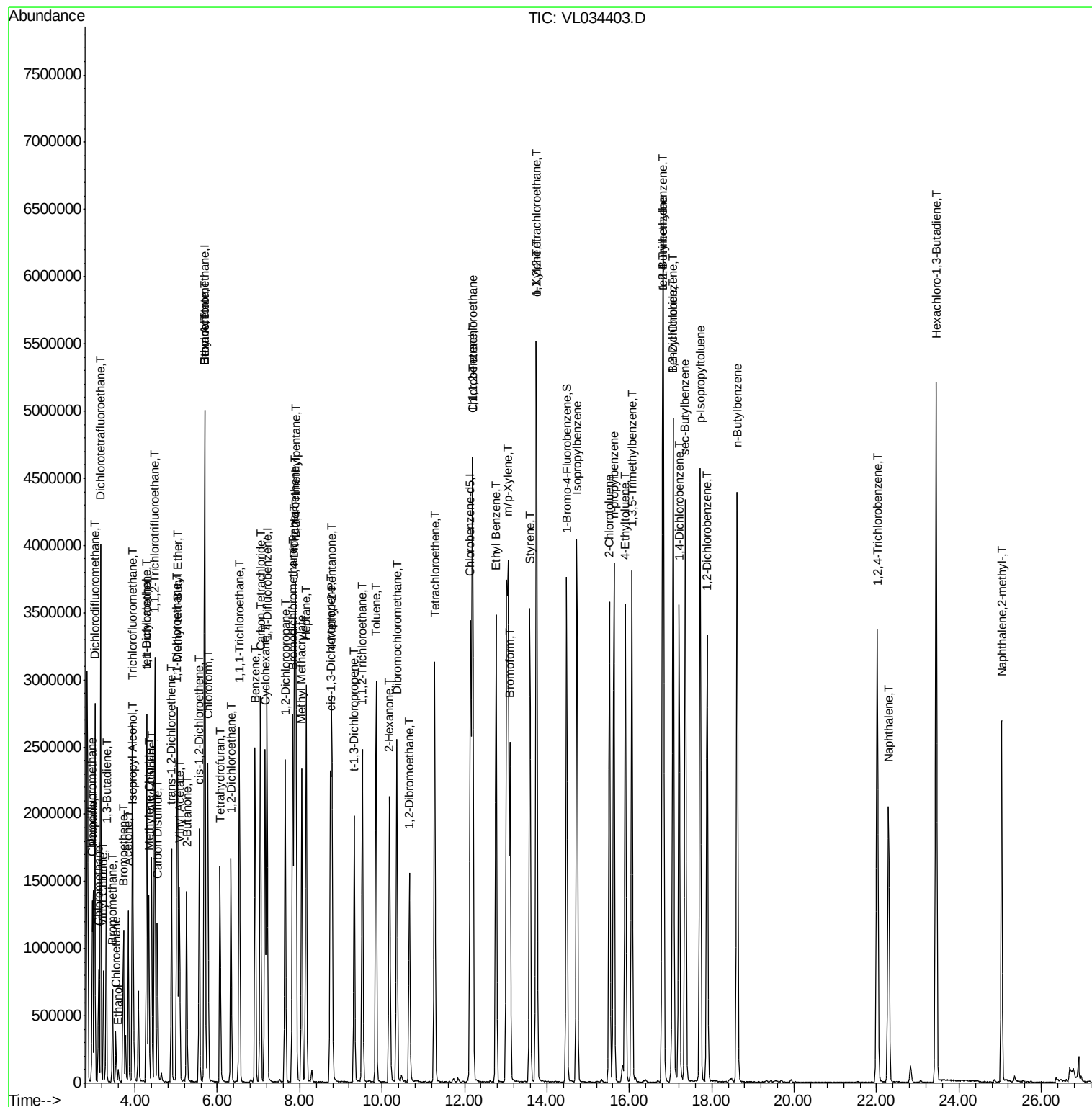
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	3432964	9.577	ppbv	100
45) t-1,3-Dichloropropene	9.32	75	1151593	11.038	ppbv	100
46) cis-1,3-Dichloropropene	8.74	75	1261056	10.761	ppbv	99
47) 1,1,2-Trichloroethane	9.52	97	828879	9.861	ppbv	97
48) Dibromochloromethane	10.36	129	1536628	10.647	ppbv	100
49) Bromoform	13.10	173	1391104	10.797	ppbv	99
50) 4-Methyl-2-Pentanone	8.78	43	2336065	9.997	ppbv	100
51) 2-Hexanone	10.18	43	1961443	10.021	ppbv #	99
52) Tetrachloroethene	11.28	164	742559	8.750	ppbv	98
53) Toluene	9.85	91	2255449	10.123	ppbv	100
54) 1,2-Dibromoethane	10.66	107	1268747	9.845	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.18	131	1007651	9.915	ppbv	96
57) Chlorobenzene	12.20	112	1721121	9.164	ppbv	98
58) Ethyl Benzene	12.77	91	3117250	9.668	ppbv	99
59) m/p-Xylene	13.05	91	2500082	8.970	ppbv #	26
60) o-Xylene	13.75	91	2583579	9.375	ppbv	100
61) Styrene	13.59	104	1946914	9.797	ppbv	100
62) Isopropylbenzene	14.73	105	3388506	9.297	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.74	83	1820697	8.790	ppbv	100
64) n-propylbenzene	15.63	120	888919	9.392	ppbv	99
65) tert-Butylbenzene	16.81	119	3002785	9.172	ppbv	100
66) Benzyl Chloride	17.06	91	1509020	11.982	ppbv	100
67) sec-Butylbenzene	17.36	105	4141528	9.044	ppbv	100
69) p-Isopropyltoluene	17.72	119	3474261	9.141	ppbv	100
70) n-Butylbenzene	18.62	91	1922136	4.700	ppbv #	34
71) 2-Chlorotoluene	15.52	91	2679121	9.219	ppbv	100
72) 4-Ethyltoluene	15.90	105	3009643	9.452	ppbv	99
73) 1,3,5-Trimethylbenzene	16.06	105	2865550	9.194	ppbv	99
74) 1,2,4-Trimethylbenzene	16.83	105	2951420	8.914	ppbv	96
75) 1,3-Dichlorobenzene	17.07	146	1686932	8.864	ppbv	100
76) 1,4-Dichlorobenzene	17.21	146	1700669	9.203	ppbv	99
77) 1,2-Dichlorobenzene	17.89	146	1645135	8.950	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1431958	9.067	ppbv	100
79) Naphthalene	22.29	128	2579979	8.989	ppbv	97
80) Naphthalene, 2-methyl-	25.03	142	1422010	10.972	ppbv	98
81) 1,2,4-Trichlorobenzene	22.02	180	1553470	8.810	ppbv	99

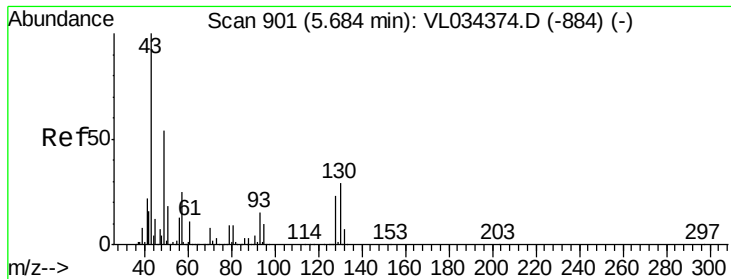
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

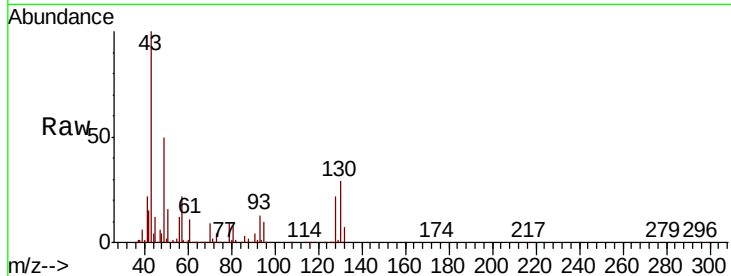
Tot Ion: 49 Resp: 968691

Ion Ratio Lower Upper

49 100

128 43.4 21.8 65.3

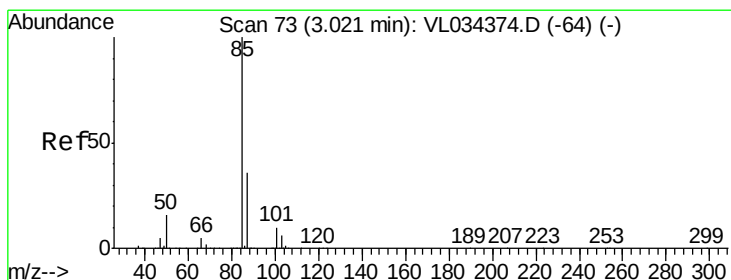
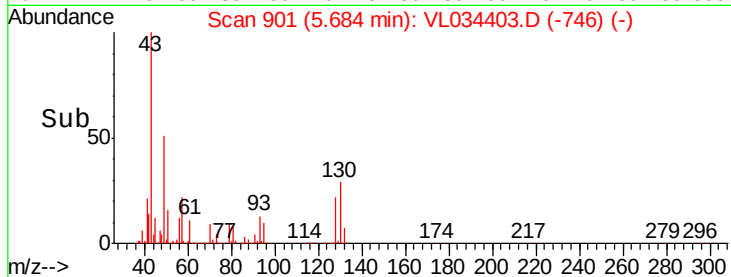
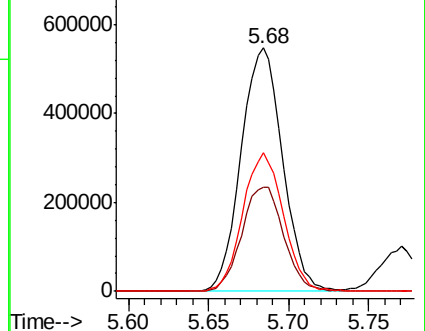
130 55.9 28.0 84.0



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: 10.800 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL034403.D

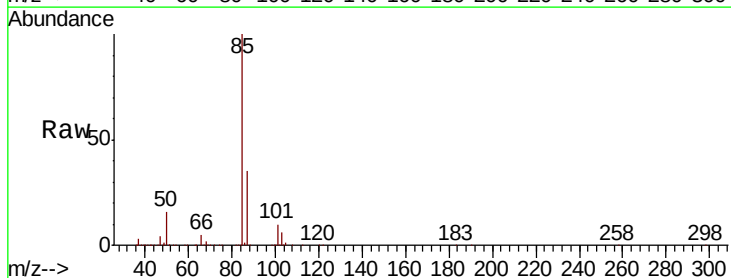
Acq: 25 Nov 2019 12:25

Tgt Ion: 85 Resp: 1892670

Ion Ratio Lower Upper

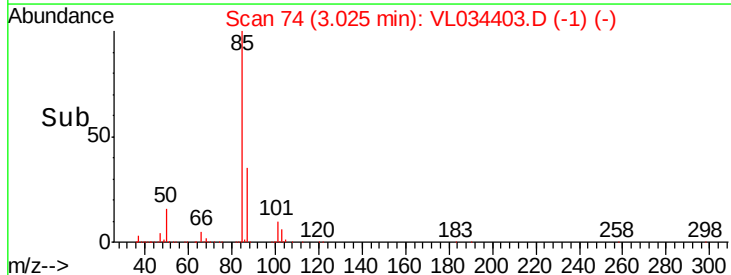
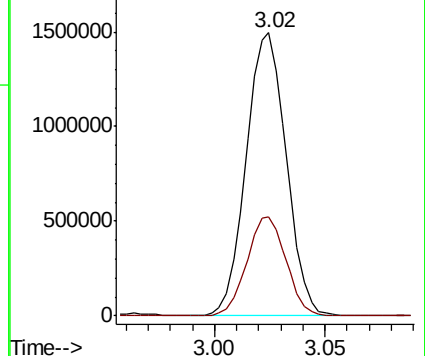
85 100

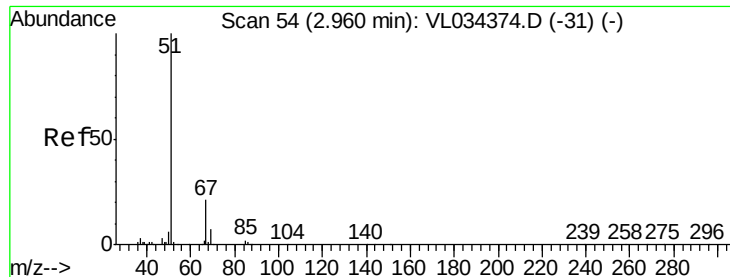
87 34.9 28.5 42.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

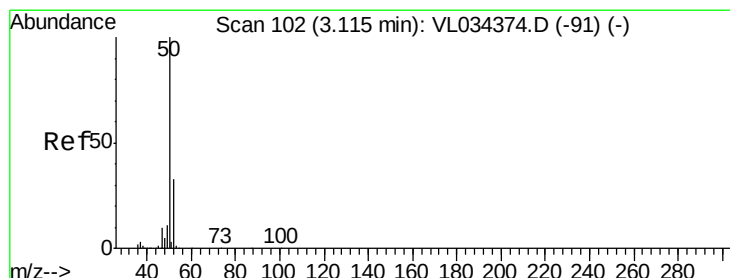
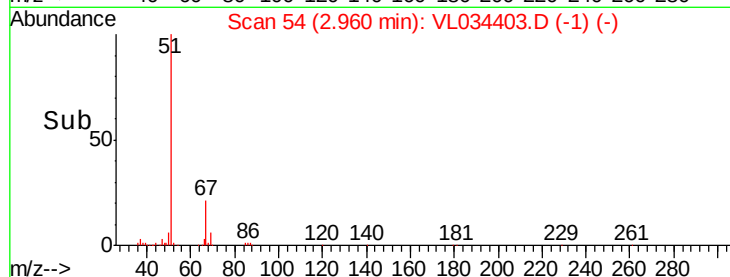
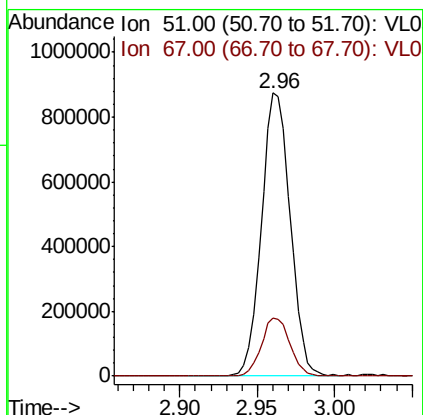
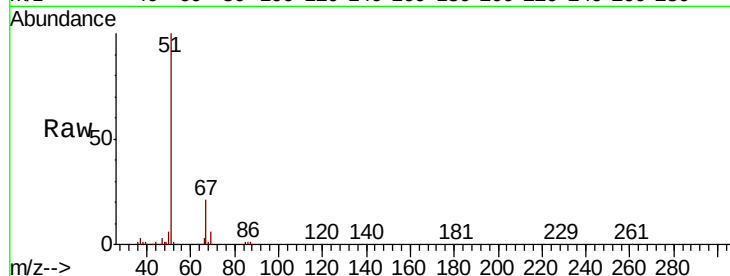




#3
 Chlorodifluoromethane
 Concen: 9.356 ppbv
 RT: 2.96 min Scan# 54
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

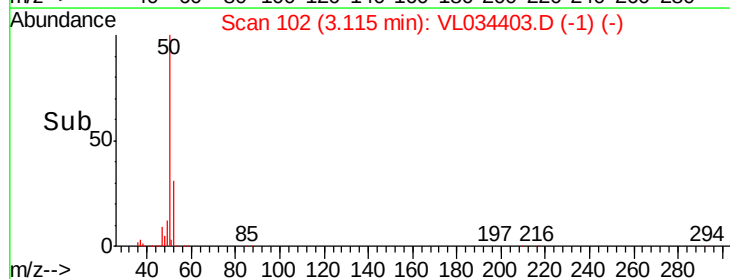
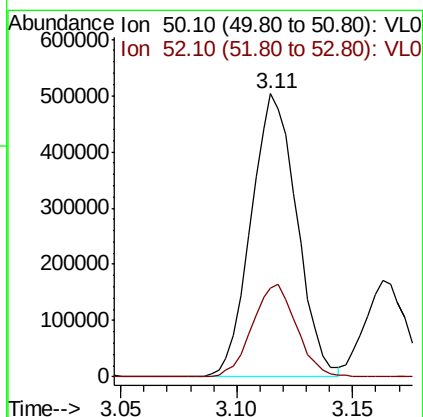
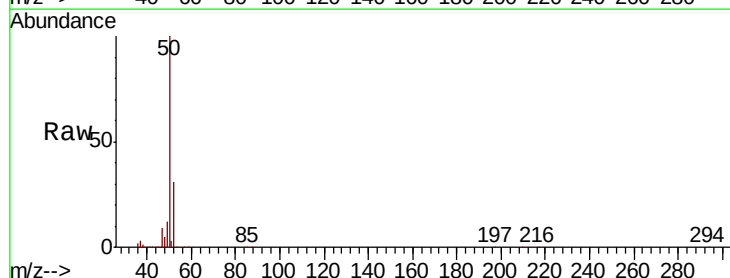
Instrument :
 MSVOA_L
 ClientSampleId :

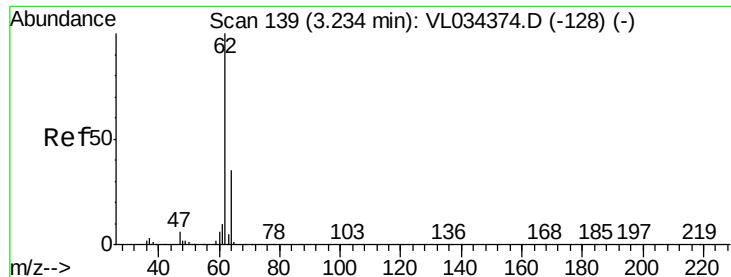
Tot Ion: 51 Resp: 1130823
 Ion Ratio Lower Upper
 51 100
 67 20.6 16.2 24.2



#4
 Chloromethane
 Concen: 9.706 ppbv
 RT: 3.11 min Scan# 102
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Tgt Ion: 50 Resp: 691946
 Ion Ratio Lower Upper
 50 100
 52 31.3 26.8 40.2





#5

Vinyl Chloride

Concen: 9.399 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

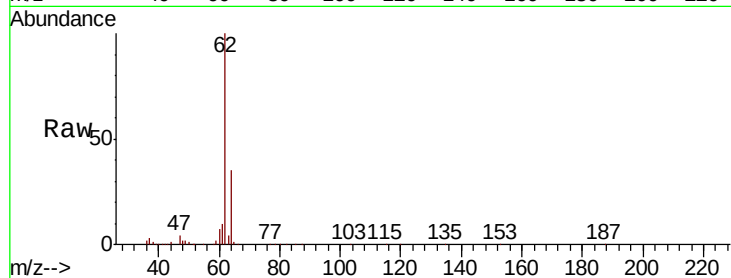
ClientSampleId :

Tot Ion: 62 Resp: 627798

Ion Ratio Lower Upper

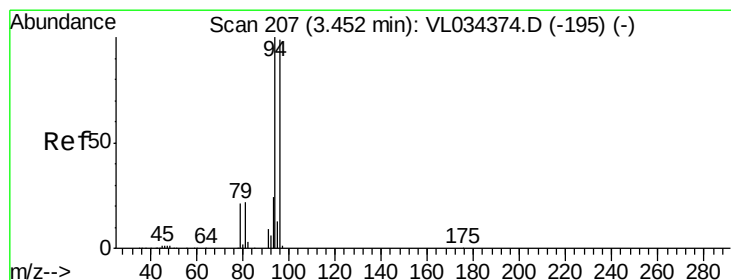
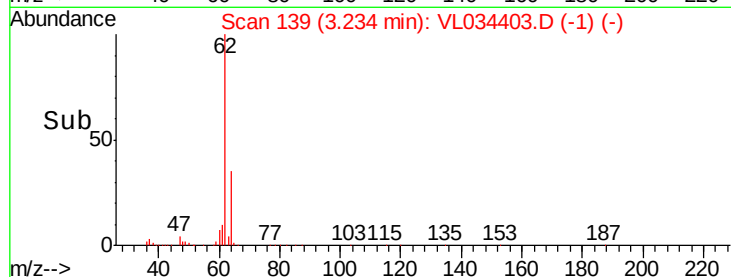
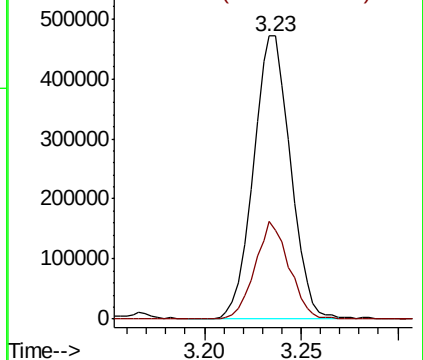
62 100

64 34.6 28.4 42.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.725 ppbv

RT: 3.46 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL034403.D

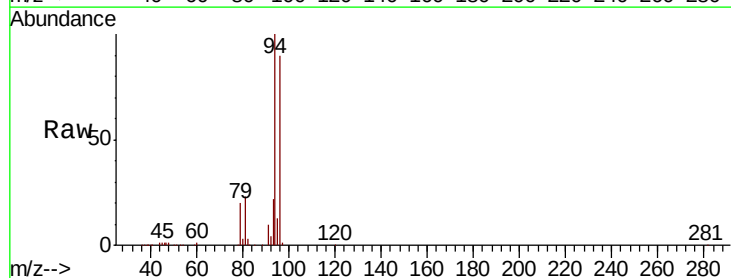
Acq: 25 Nov 2019 12:25

Tgt Ion: 94 Resp: 326830

Ion Ratio Lower Upper

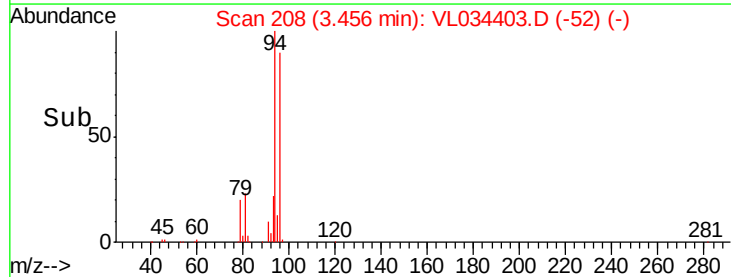
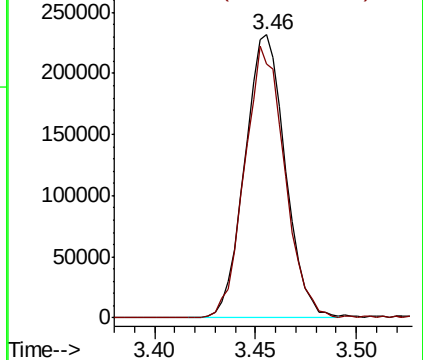
94 100

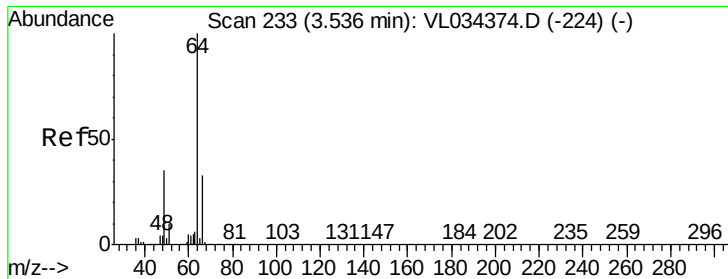
96 89.8 79.5 119.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.642 ppbv

RT: 3.54 min Scan# 234

Delta R.T. 0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

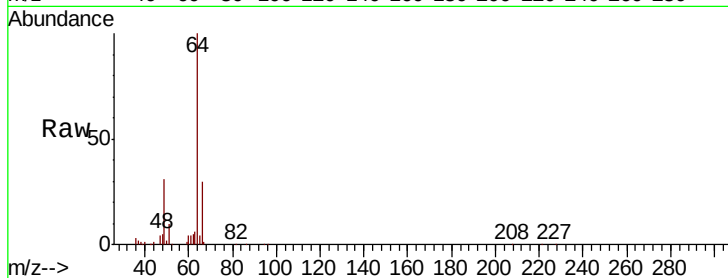
ClientSampleId :

Tot Ion: 64 Resp: 233759

Ion Ratio Lower Upper

64 100

66 30.2 26.0 39.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

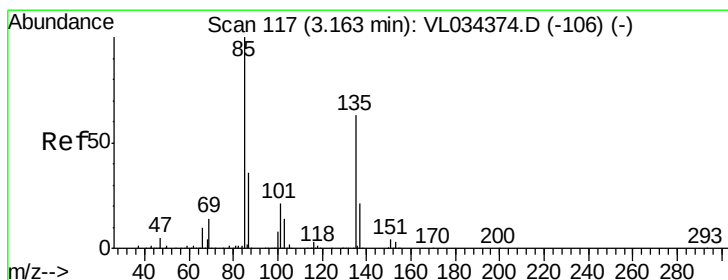
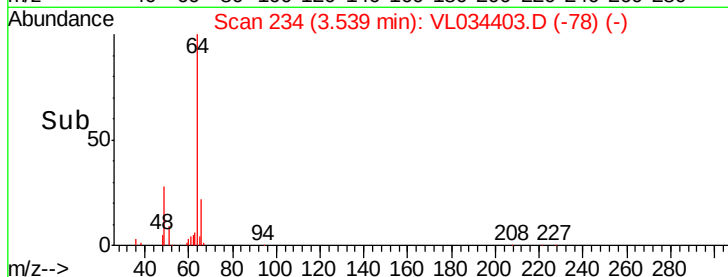
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.248 ppbv

RT: 3.17 min Scan# 118

Delta R.T. 0.00 min

Lab File: VL034403.D

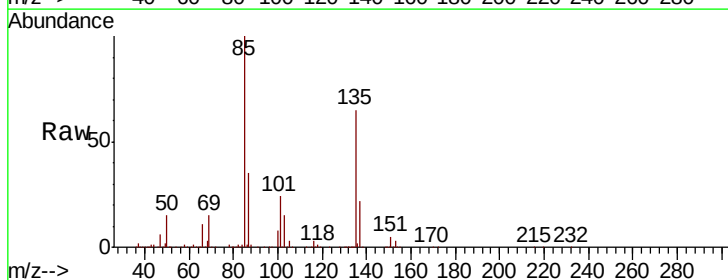
Acq: 25 Nov 2019 12:25

Tgt Ion: 85 Resp: 1455457

Ion Ratio Lower Upper

85 100

135 64.9 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.17

1200000

1000000

800000

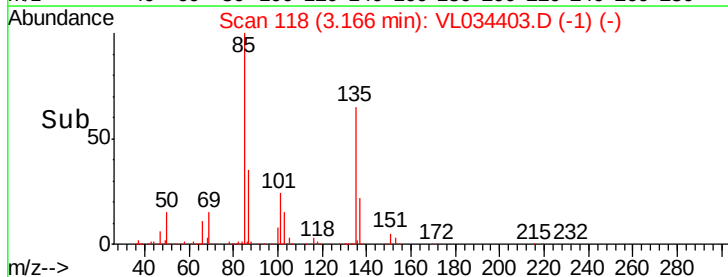
600000

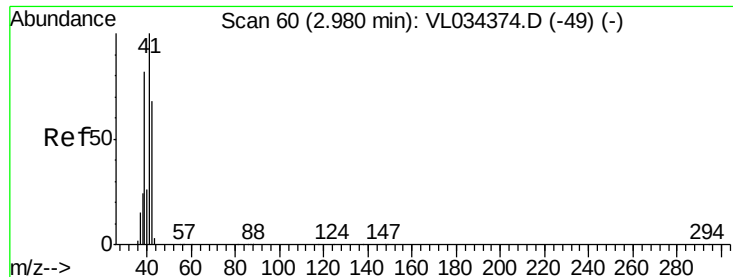
400000

200000

0

Time-->





#9

Propene

Concen: 9.456 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

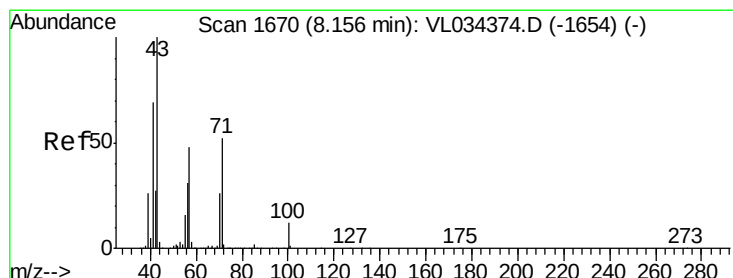
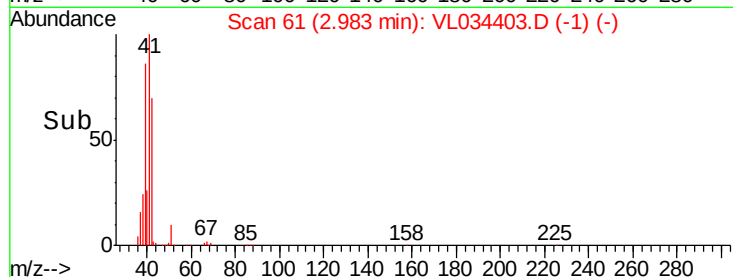
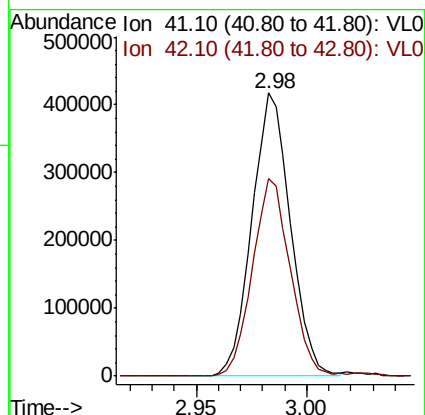
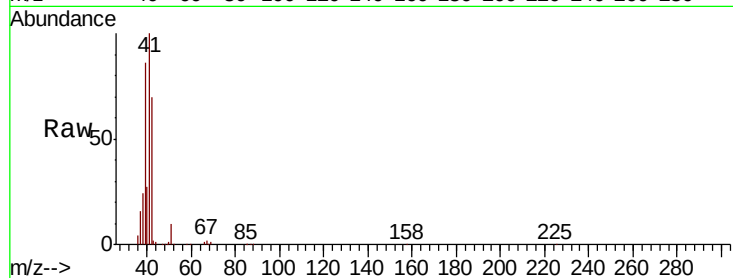
ClientSampleId :

Tot Ion: 41 Resp: 507397

Ion Ratio Lower Upper

41 100

42 69.6 54.6 82.0



#10

Heptane

Concen: 9.792 ppbv

RT: 8.16 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VL034403.D

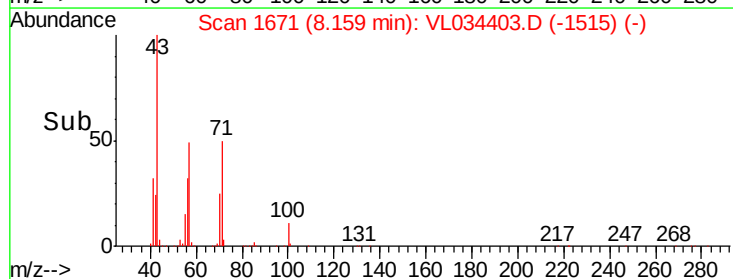
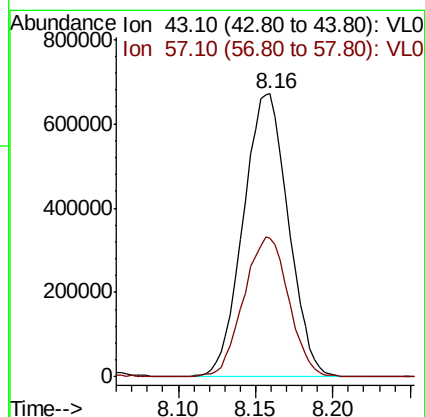
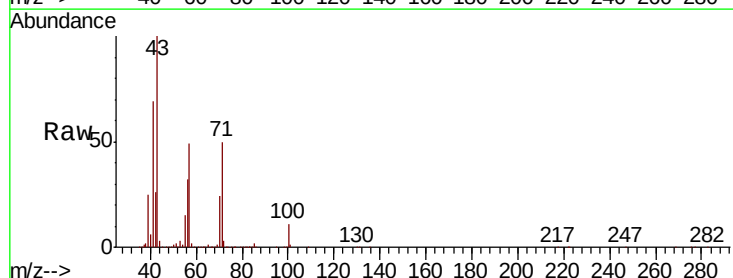
Acq: 25 Nov 2019 12:25

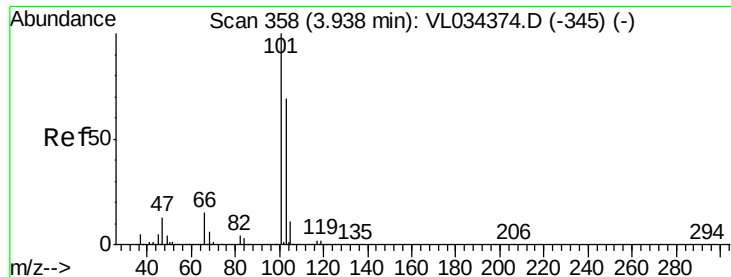
Tgt Ion: 43 Resp: 1355995

Ion Ratio Lower Upper

43 100

57 49.7 40.2 60.2





#11

Trichlorofluoromethane

Concen: 9.438 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.00 min

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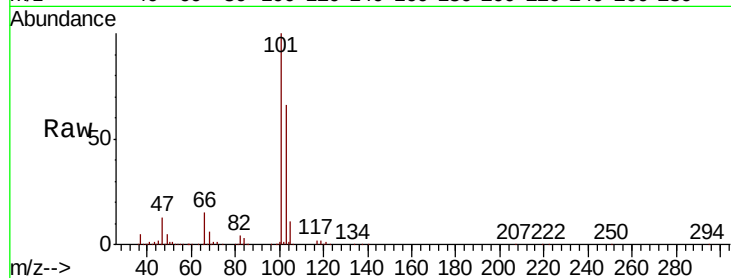
ClientSampleId :

Tot Ion:101 Resp: 1646057

Ion Ratio Lower Upper

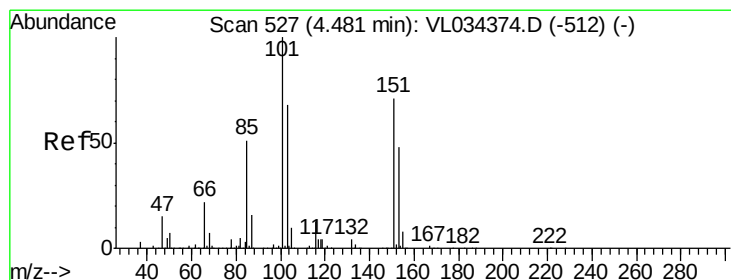
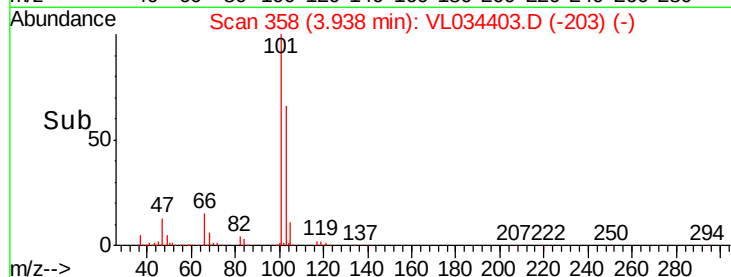
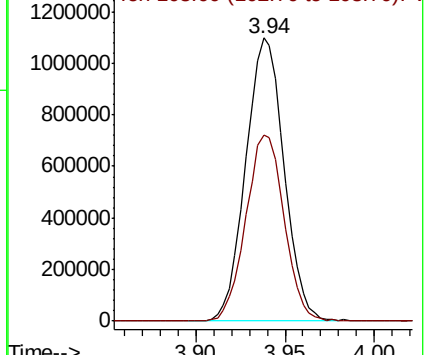
101 100

103 65.5 55.4 83.0



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: 9.497 ppbv

RT: 4.48 min Scan# 527

Delta R.T. -0.00 min

Lab File: VL034403.D

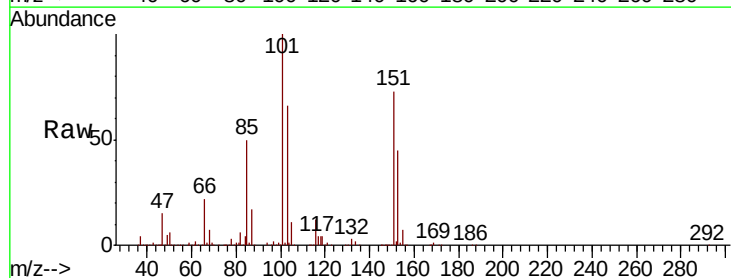
Acq: 25 Nov 2019 12:25

Tgt Ion:101 Resp: 1099945

Ion Ratio Lower Upper

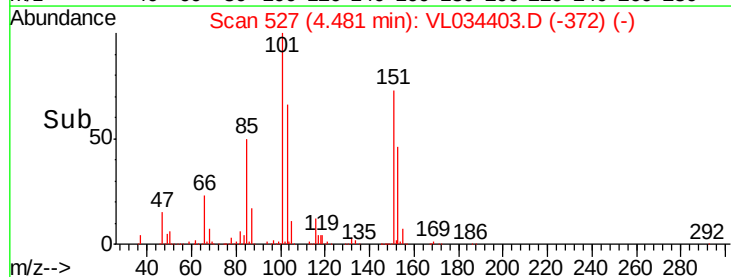
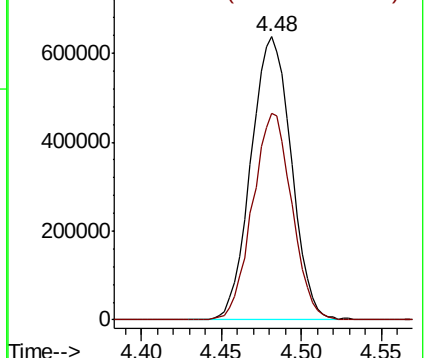
101 100

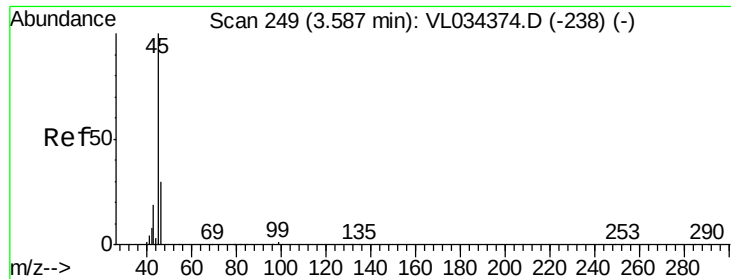
151 71.5 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

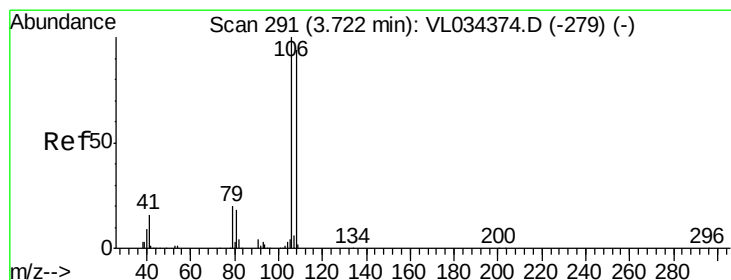
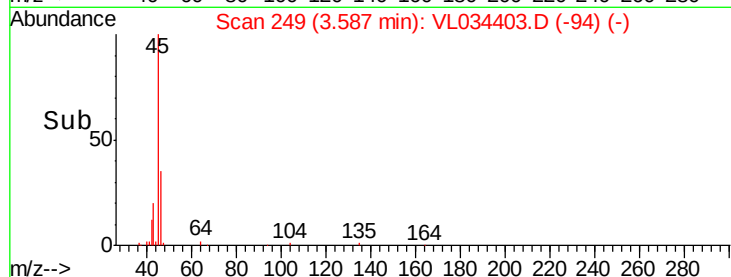
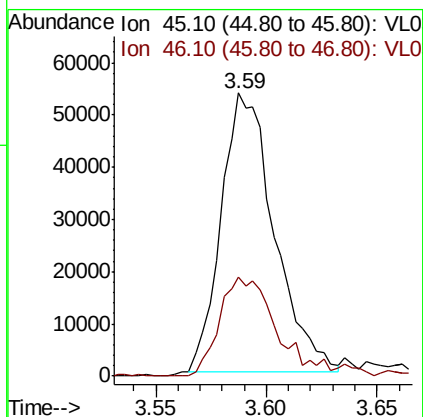
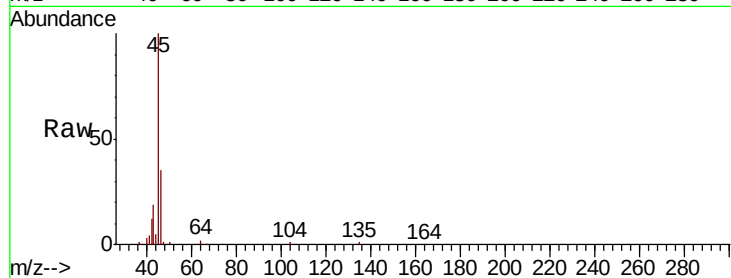




#13
Ethanol
Concen: 5.972 ppbv
RT: 3.59 min Scan# 249
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

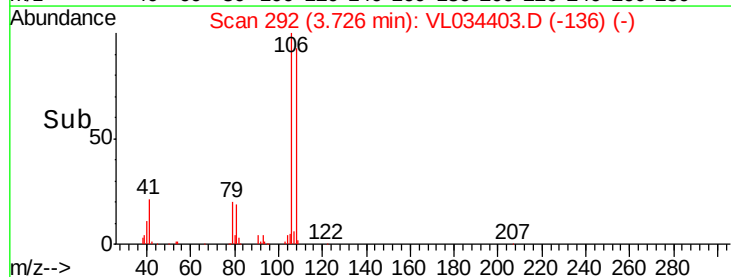
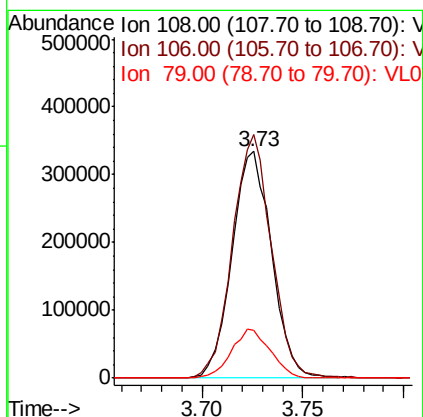
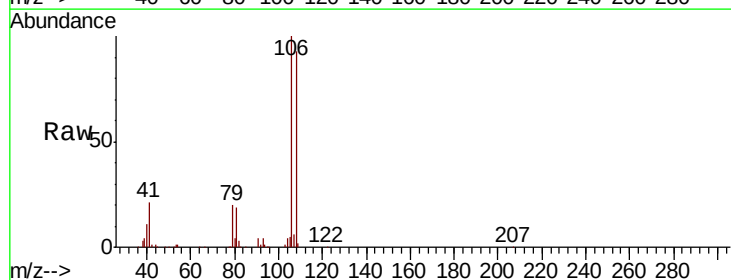
Instrument :
MSVOA_L
ClientSampled :

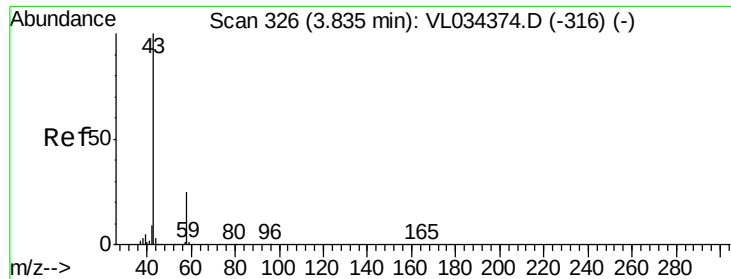
Tot Ion: 45 Resp: 89272
Ion Ratio Lower Upper
45 100
46 41.2 13.8 55.4



#14
Bromoethene
Concen: 9.776 ppbv
RT: 3.73 min Scan# 292
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion: 108 Resp: 460406
Ion Ratio Lower Upper
108 100
106 106.0 85.7 128.5
79 21.6 17.2 25.8

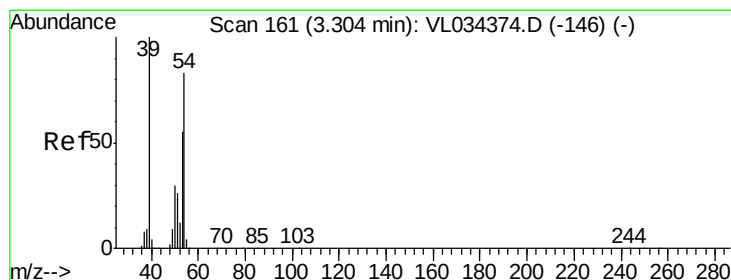
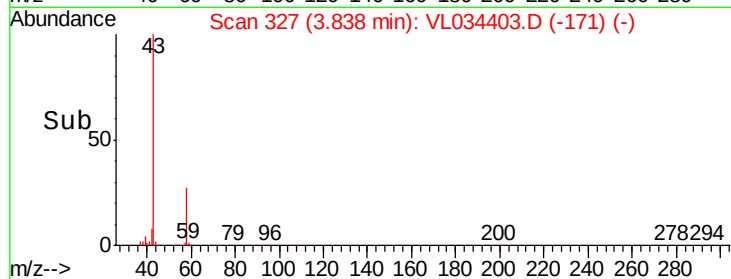
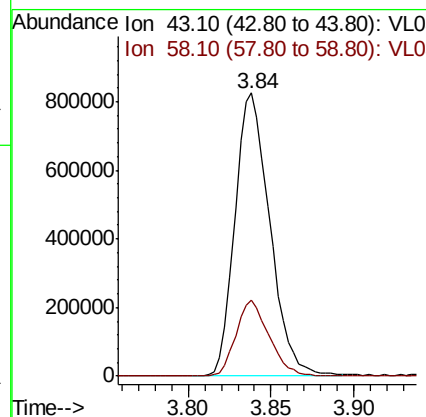
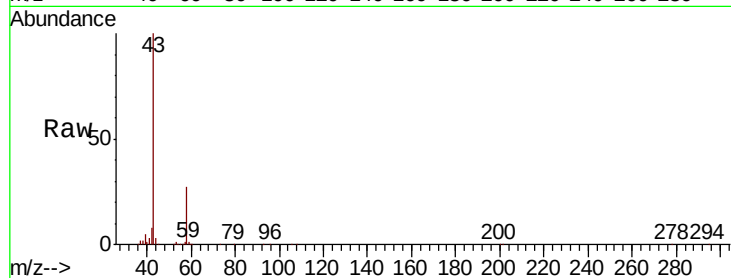




#15
Acetone
Concen: 8.703 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

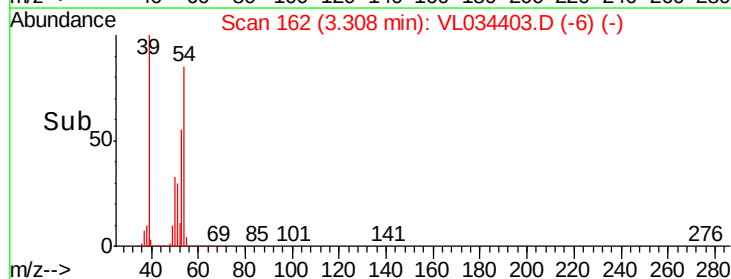
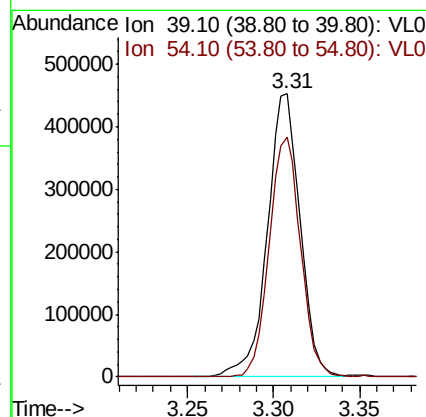
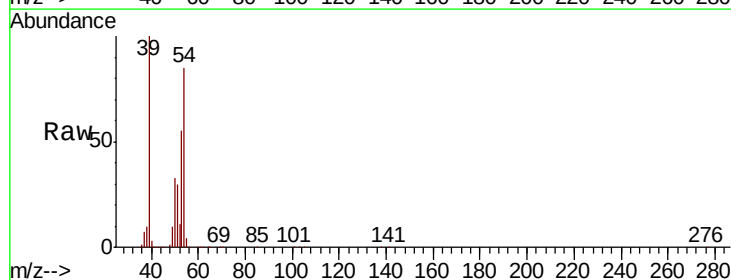
Instrument :
MSVOA_L
ClientSampleId :

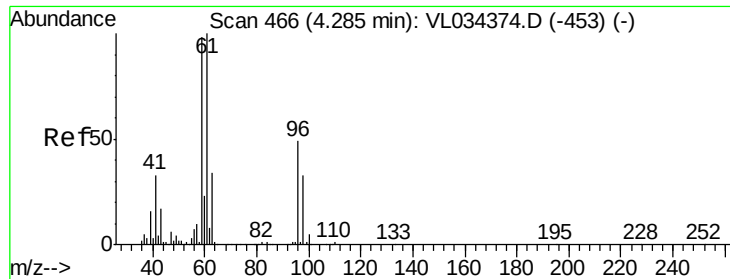
Tot Ion: 43 Resp: 1207183
Ion Ratio Lower Upper
43 100
58 25.7 20.2 30.4



#16
1,3-Butadiene
Concen: 9.842 ppbv
RT: 3.31 min Scan# 162
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion: 39 Resp: 594714
Ion Ratio Lower Upper
39 100
54 81.7 64.7 97.1



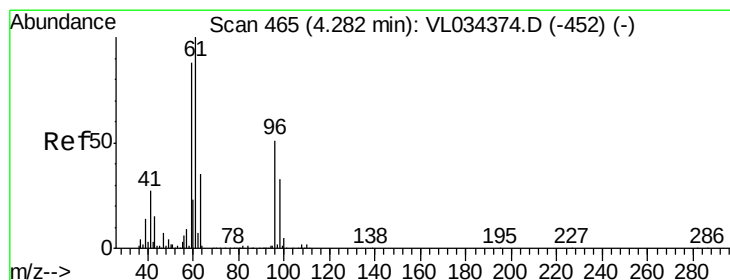
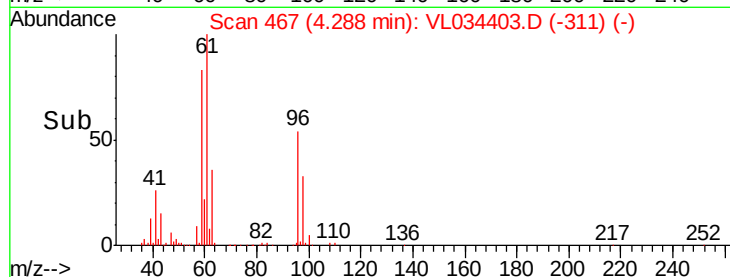
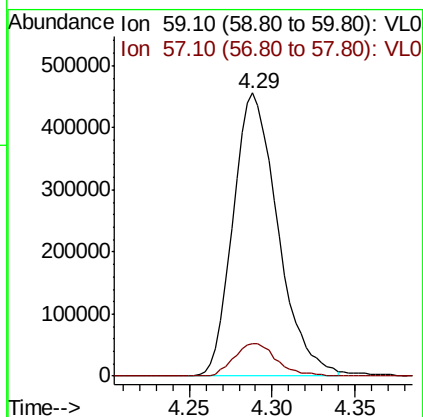
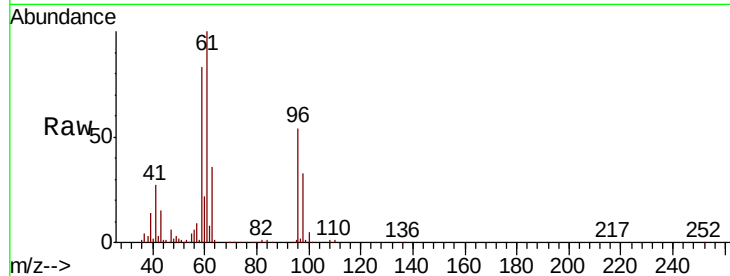


#17

tert-Butyl alcohol
Concen: 7.356 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Instrument :
MSVOA_L
ClientSampleId :

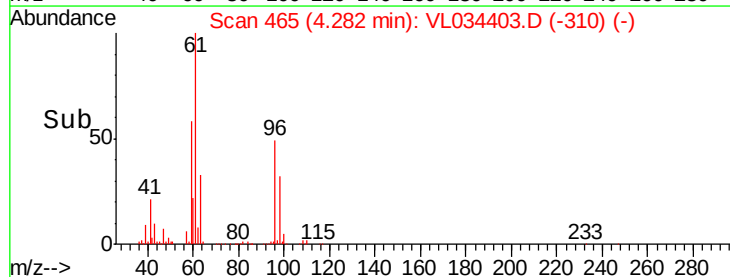
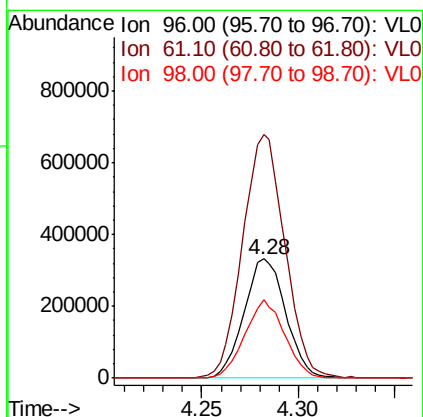
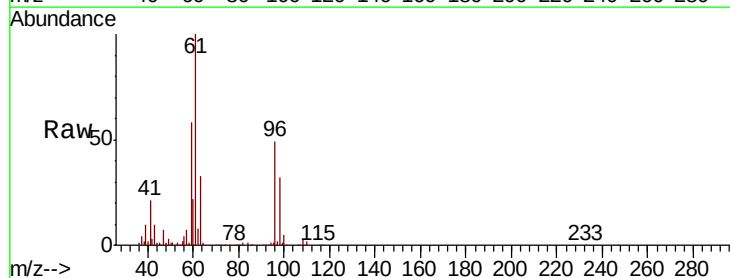
Tot Ion: 59 Resp: 857670
Ion Ratio Lower Upper
59 100
57 11.2 8.8 13.2

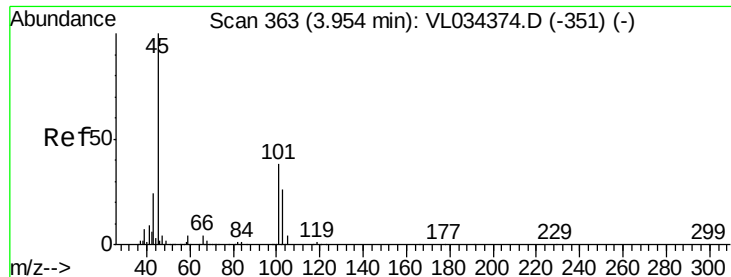


#18

1,1-Dichloroethene
Concen: 9.809 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion: 96 Resp: 496977
Ion Ratio Lower Upper
96 100
61 204.3 155.6 233.4
98 65.5 51.6 77.4

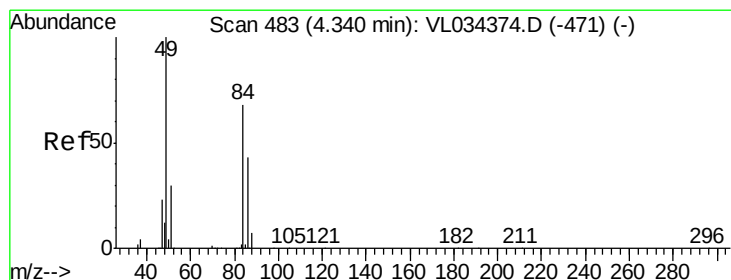
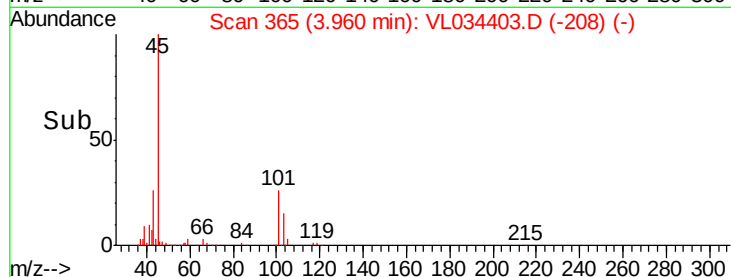
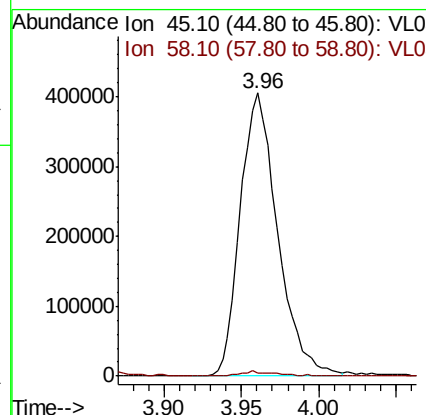
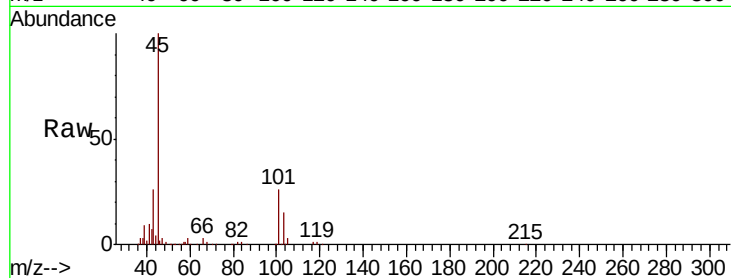




#19
Isopropyl Alcohol
Concen: 7.663 ppbv
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

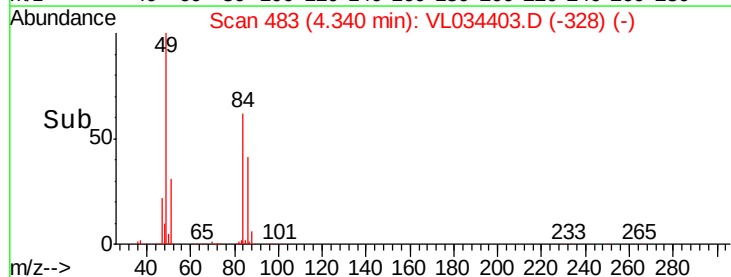
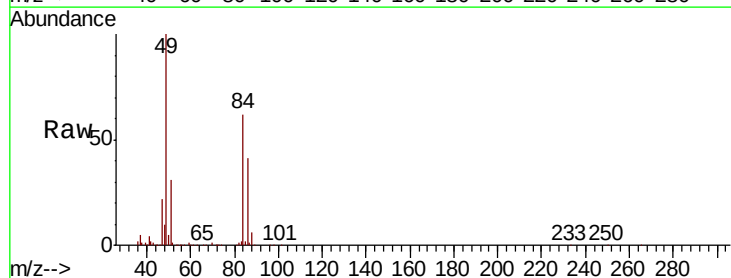
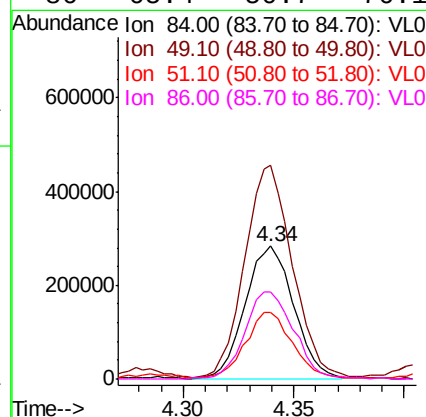
Instrument :
MSVOA_L
ClientSampleId :

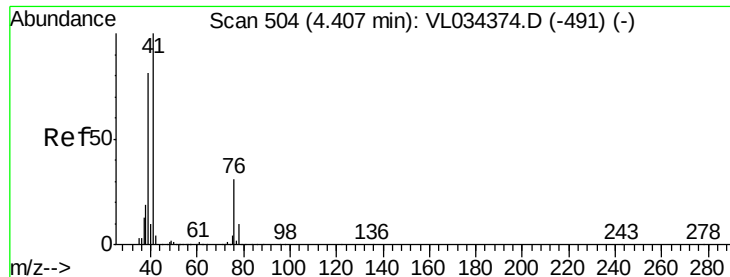
Tot Ion: 45 Resp: 681323
Ion Ratio Lower Upper
45 100
58 1.9 1.3 1.9#



#20
Methylene Chloride
Concen: 8.784 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion: 84 Resp: 432054
Ion Ratio Lower Upper
84 100
49 159.8 116.8 175.2
51 48.8 35.6 53.4
86 65.4 50.7 76.1

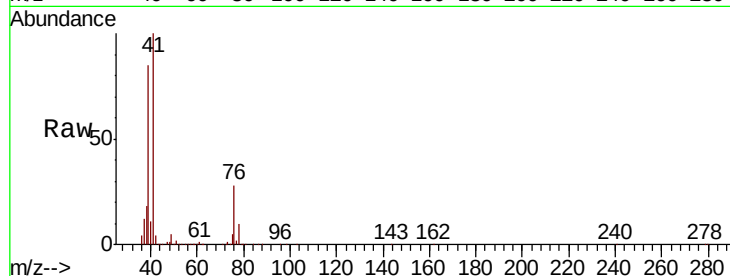




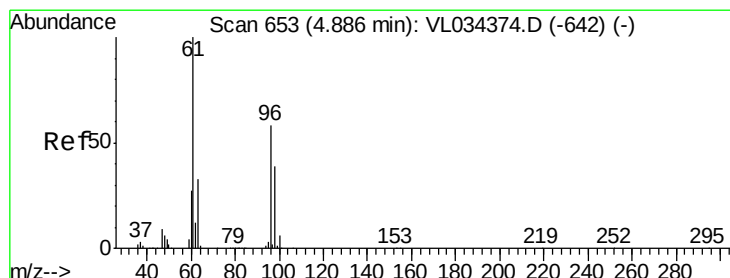
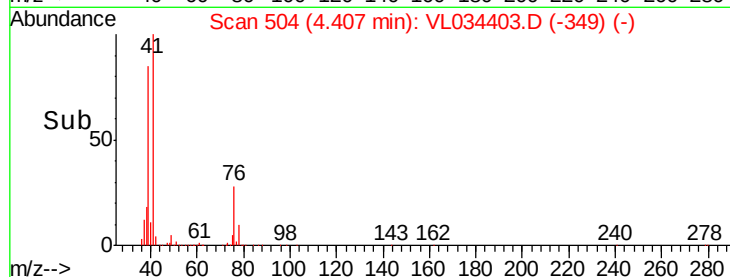
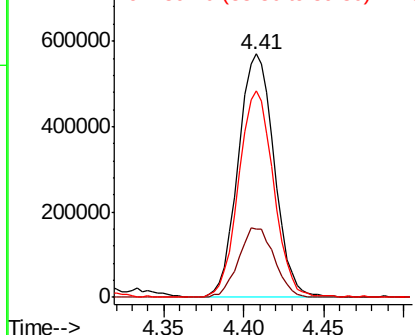
#21
 Allvl Chloride
 Concen: 10.414 ppbv
 RT: 4.41 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 41 Resp: 865631
 Ion Ratio Lower Upper
 41 100
 76 28.7 24.2 36.2
 39 82.9 66.9 100.3

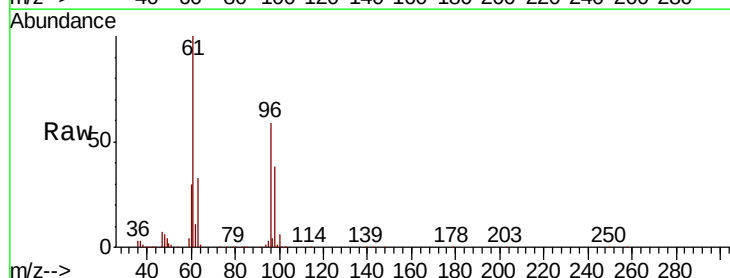


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

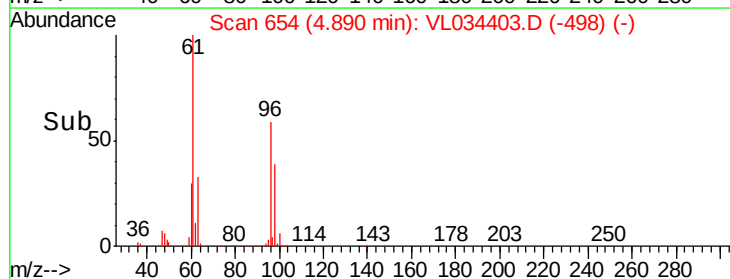
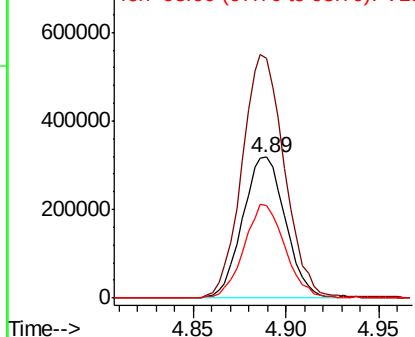


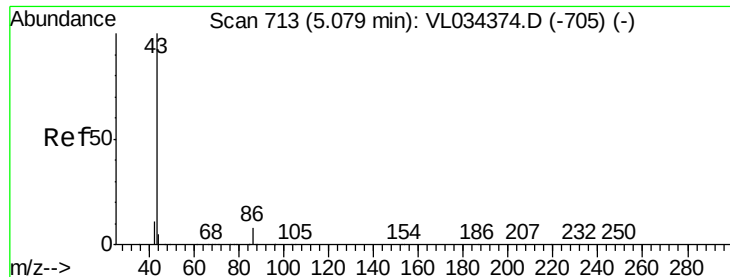
#22
 trans-1,2-Dichloroethene
 Concen: 9.987 ppbv
 RT: 4.89 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Tgt Ion: 96 Resp: 510088
 Ion Ratio Lower Upper
 96 100
 61 170.2 137.9 206.9
 98 65.5 53.5 80.3



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





#23

Vinyl Acetate

Concen: 10.251 ppbv

RT: 5.08 min Scan# 713

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

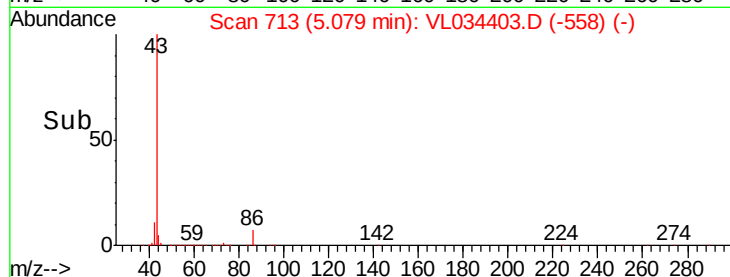
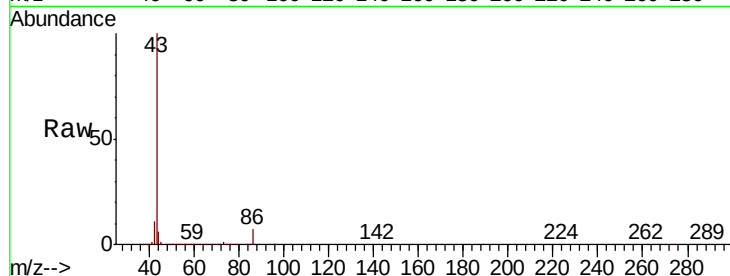
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1857562

Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.8	8.6
42	10.6	8.9	13.3
44	5.8	4.0	6.0

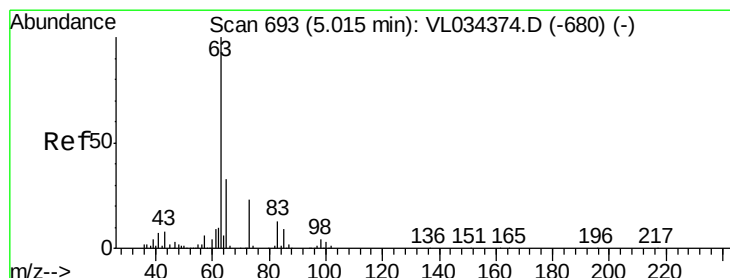
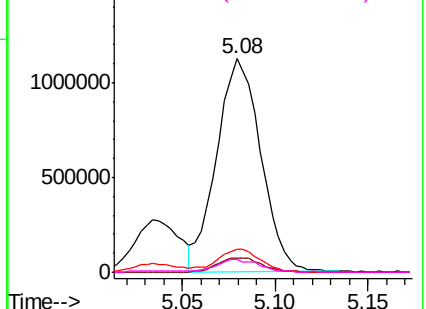


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.589 ppbv

RT: 5.01 min Scan# 693

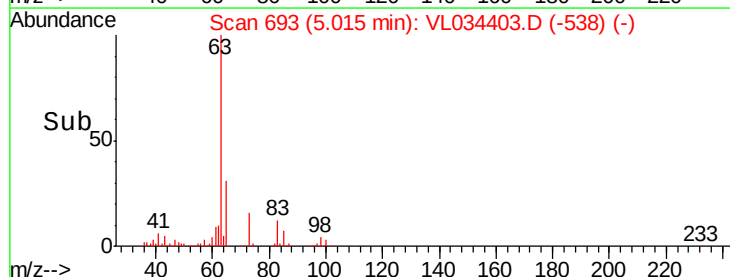
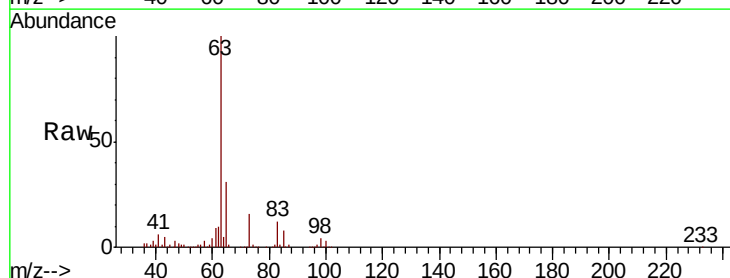
Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Tgt Ion: 63 Resp: 1334692

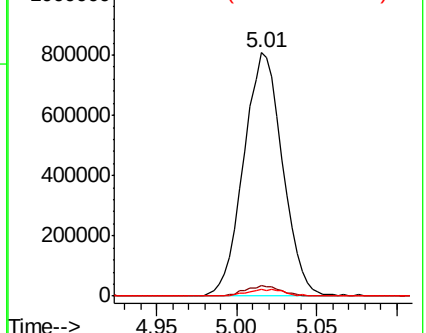
Ion	Ratio	Lower	Upper
63	100		
98	4.1	1.9	5.7
100	2.6	1.4	4.0

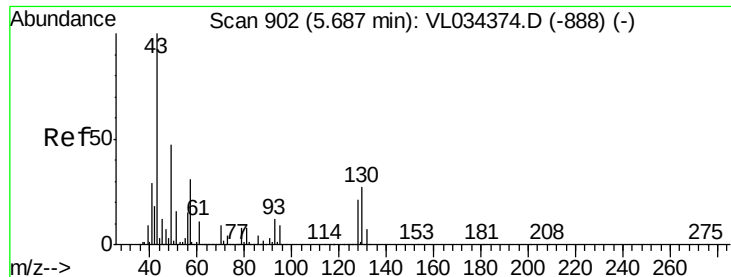


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



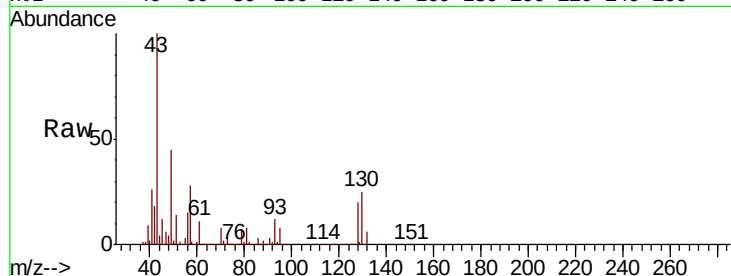


#25
Ethyl Acetate
Concen: 9.503 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2352349

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	9.5	7.5	11.3
70	7.2	5.7	8.5



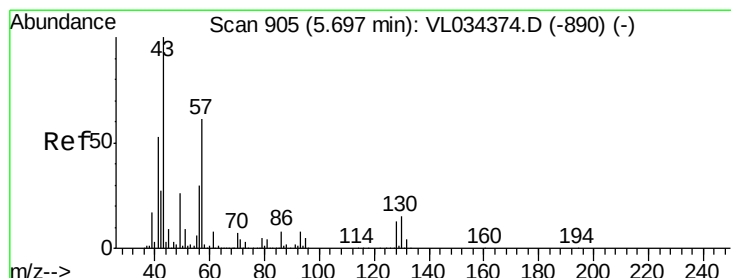
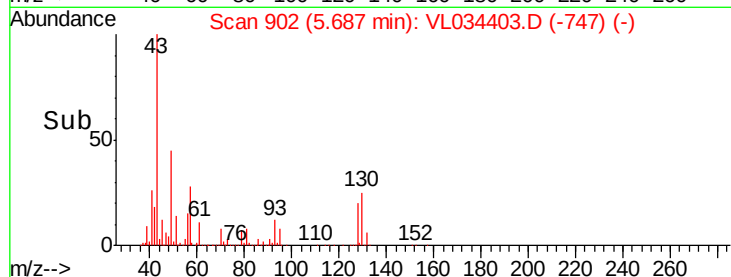
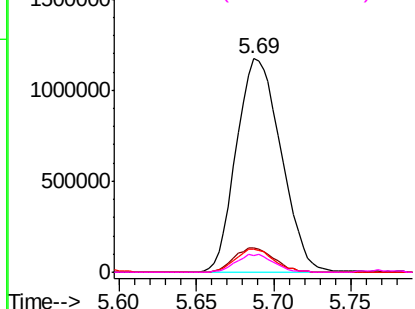
Abundance

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

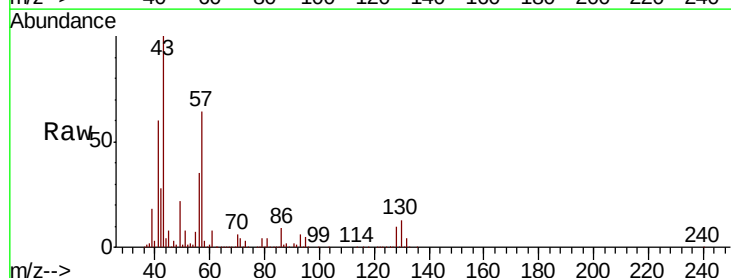
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.435 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion: 57 Resp: 1003534

Ion	Ratio	Lower	Upper
57	100		
41	94.8	75.0	112.4
43	235.4	186.6	279.8
56	53.0	41.5	62.3



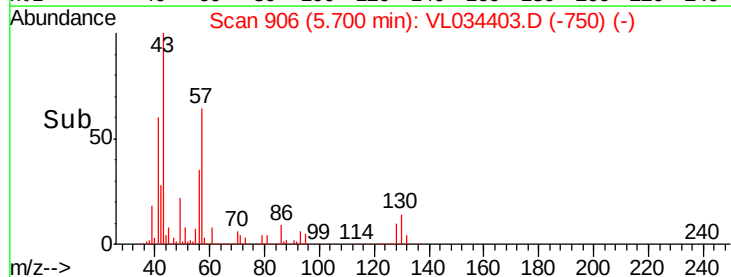
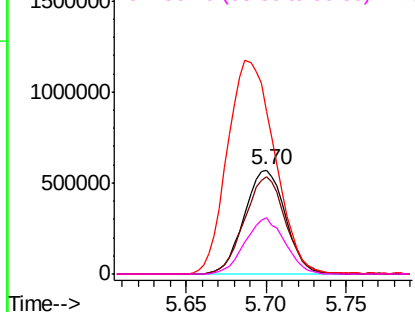
Abundance

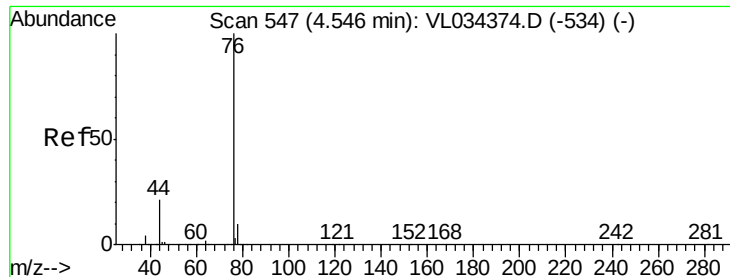
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.015 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

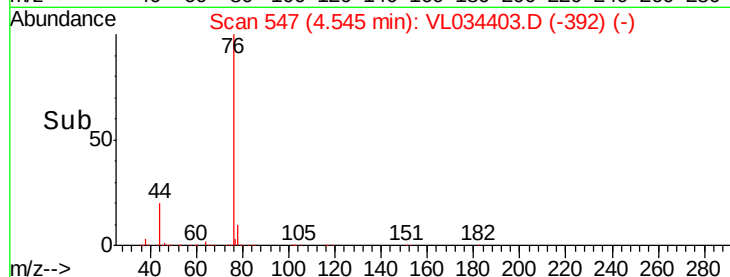
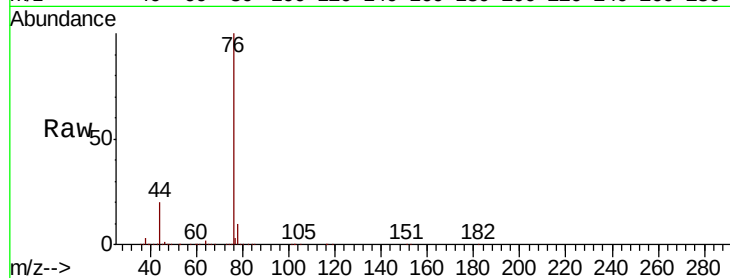
Tot Ion: 76 Resp: 1276065

Ion Ratio Lower Upper

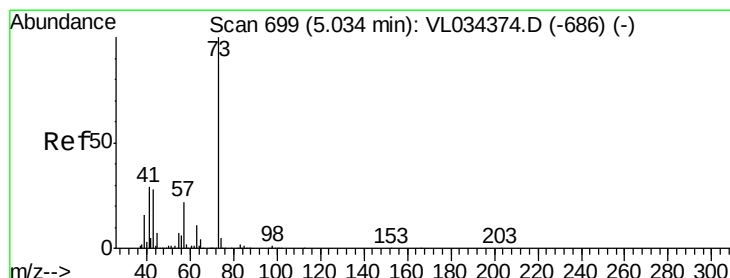
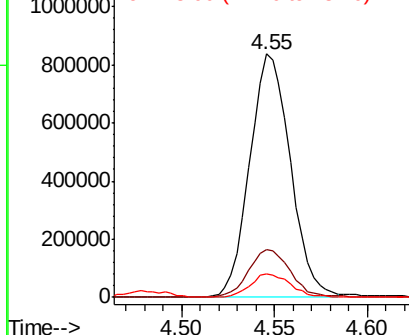
76 100

44 19.9 17.0 25.4

78 9.5 7.6 11.4



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: 9.665 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.00 min

Lab File: VL034403.D

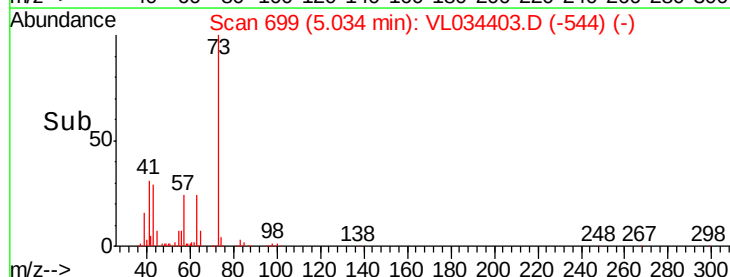
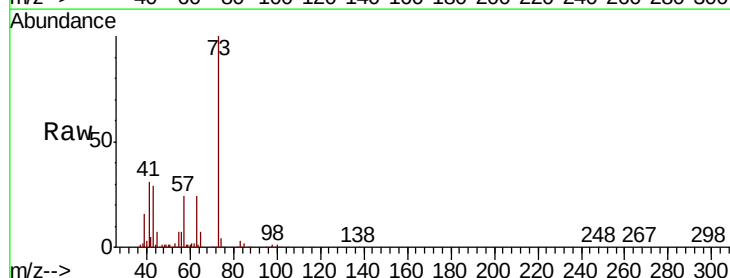
Acq: 25 Nov 2019 12:25

Tgt Ion: 73 Resp: 1704531

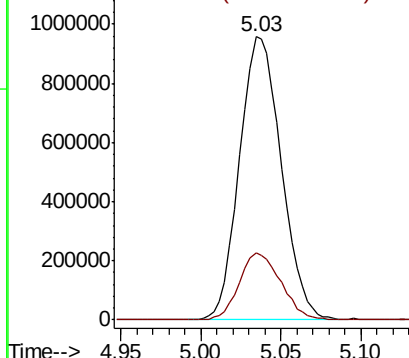
Ion Ratio Lower Upper

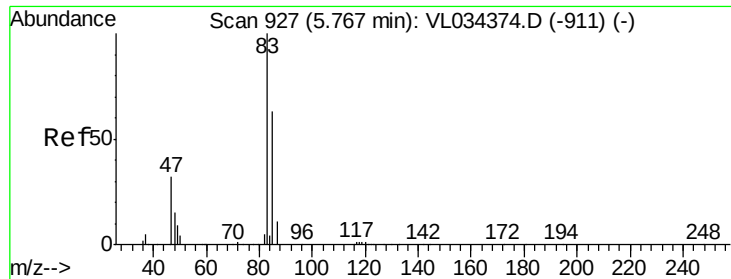
73 100

57 23.6 18.4 27.6



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

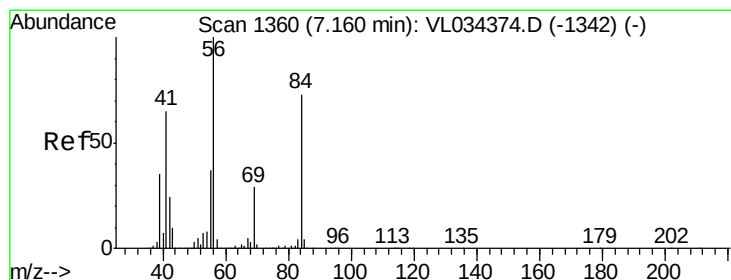
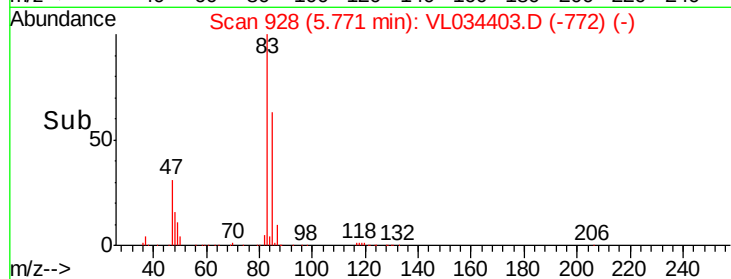
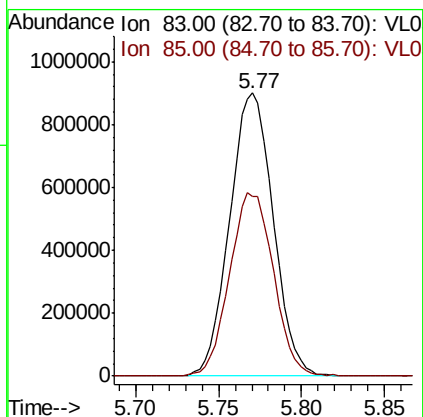
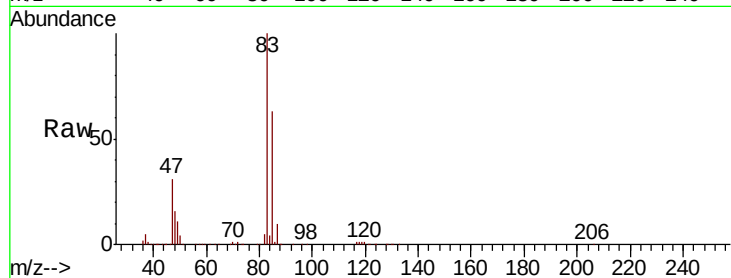




#29
Chloroform
Concen: 9.489 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

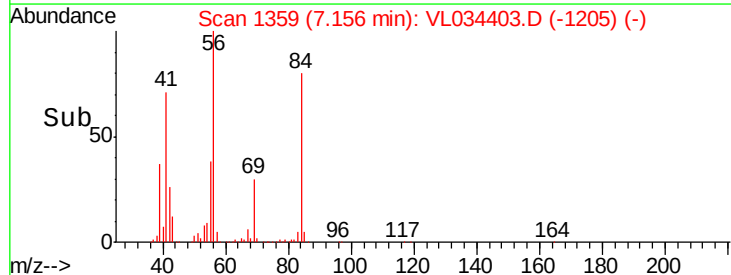
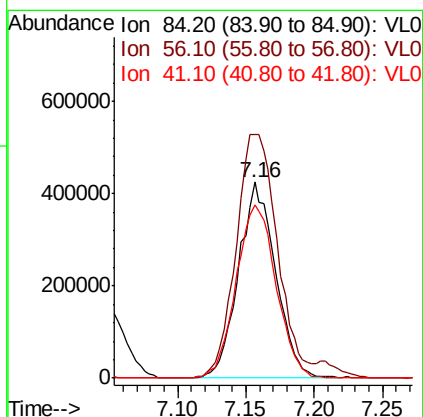
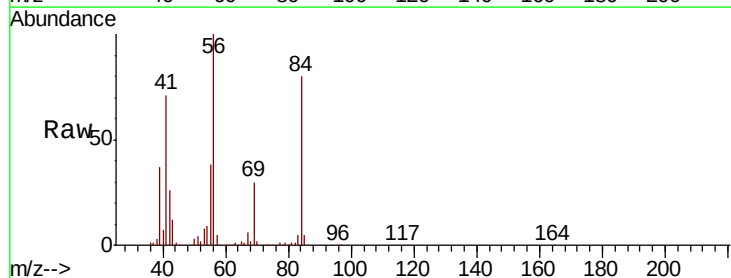
Instrument :
MSVOA_L
ClientSampled :

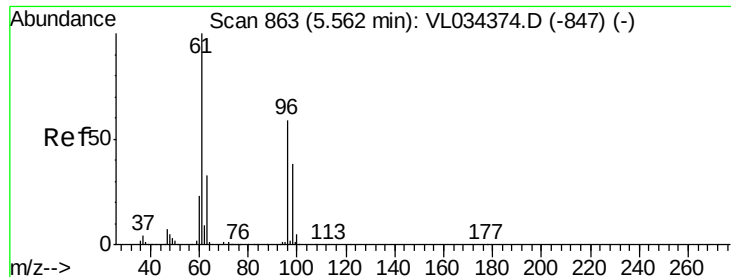
Tot Ion: 83 Resp: 1634382
Ion Ratio Lower Upper
83 100
85 63.4 50.4 75.6



#30
Cyclohexane
Concen: 9.972 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion: 84 Resp: 801856
Ion Ratio Lower Upper
84 100
56 144.6 112.6 169.0
41 95.0 73.4 110.2



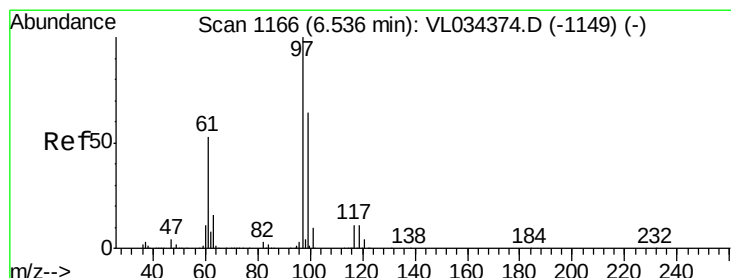
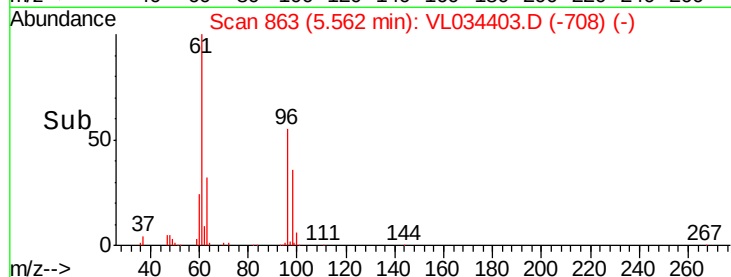
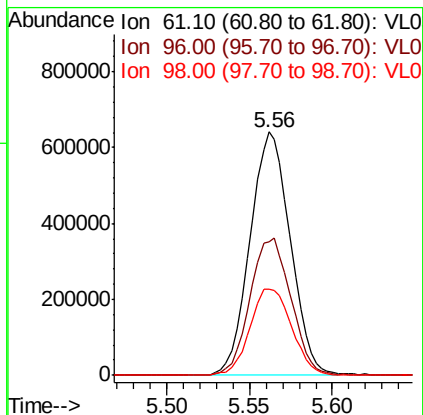
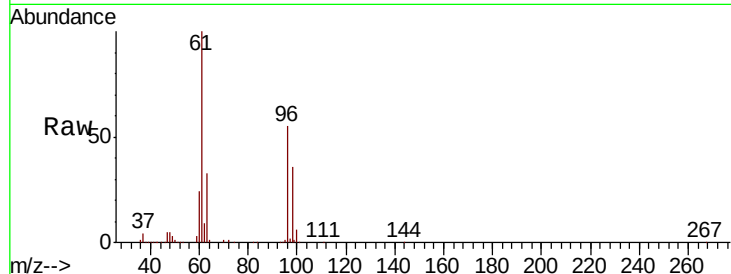


#31

cis-1,2-Dichloroethene
 Concen: 9.839 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Instrument :
 MSVOA_L
 ClientSampled :

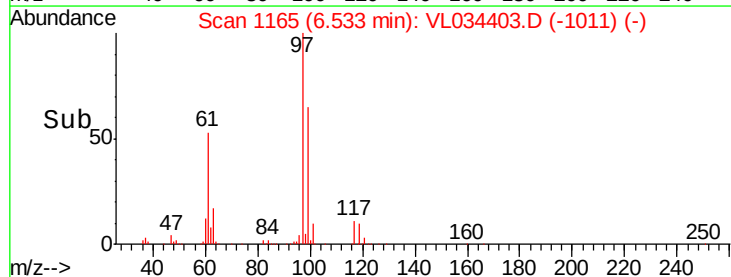
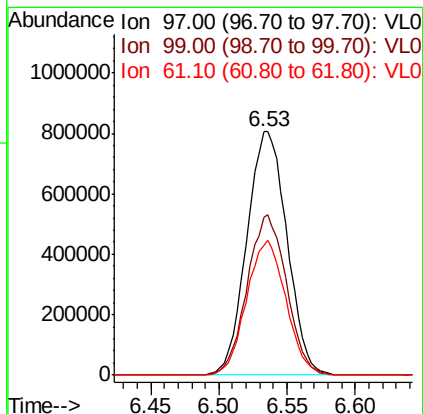
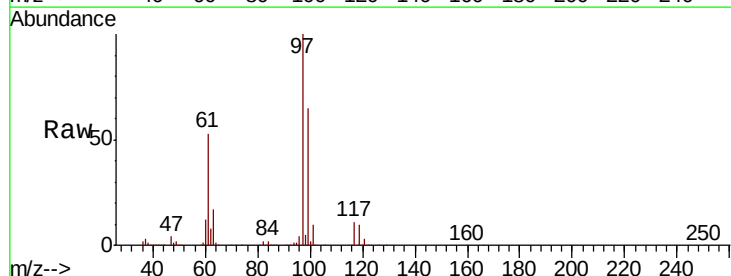
Tot Ion: 61 Resp: 1081418
 Ion Ratio Lower Upper
 61 100
 96 54.9 47.4 71.2
 98 35.6 30.6 45.8

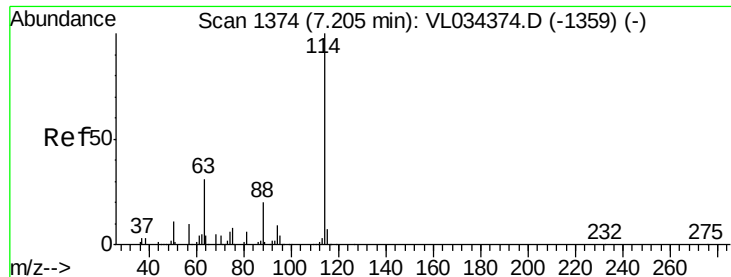


#32

1,1,1-Trichloroethane
 Concen: 10.199 ppbv
 RT: 6.53 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Tgt Ion: 97 Resp: 1647102
 Ion Ratio Lower Upper
 97 100
 99 64.7 52.3 78.5
 61 54.3 43.7 65.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

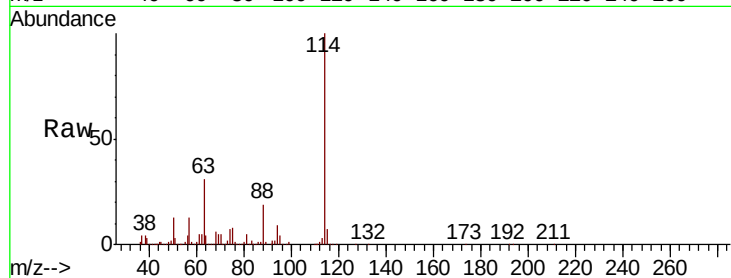
Tot Ion:114 Resp: 1962124

Ion Ratio Lower Upper

114 100

63 30.2 24.2 36.4

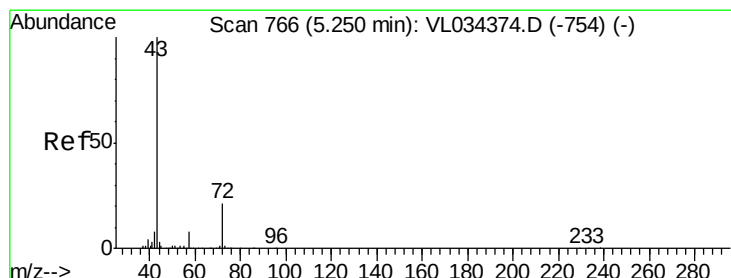
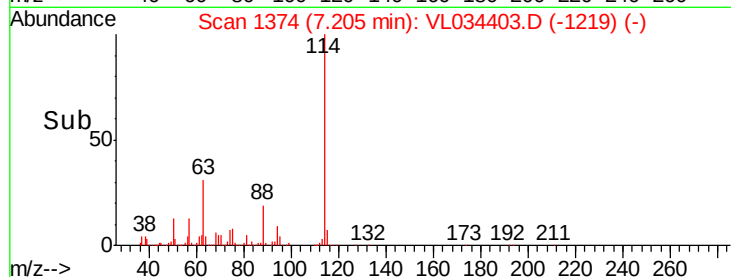
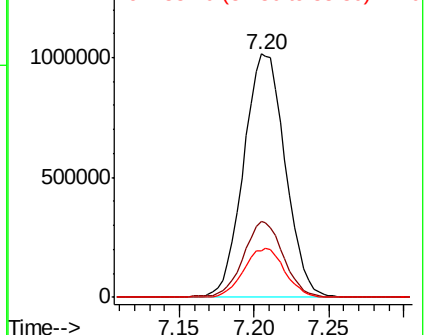
88 19.9 15.9 23.9



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: 9.733 ppbv

RT: 5.25 min Scan# 767

Delta R.T. 0.00 min

Lab File: VL034403.D

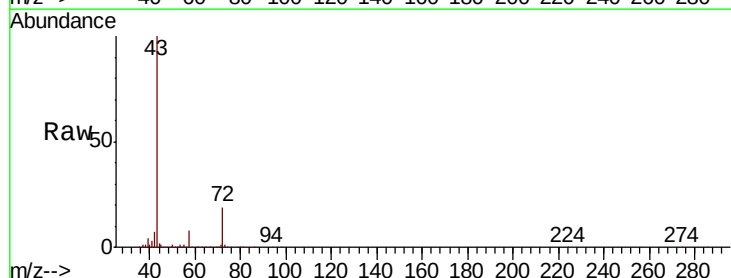
Acq: 25 Nov 2019 12:25

Tgt Ion: 43 Resp: 1571900

Ion Ratio Lower Upper

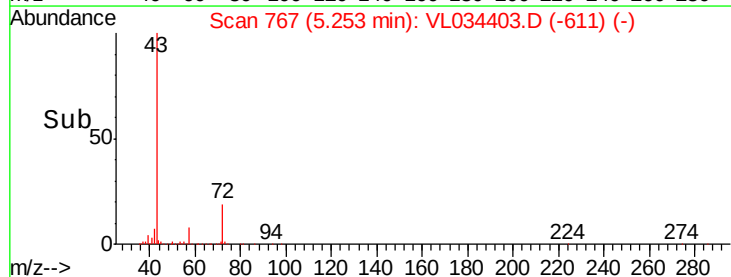
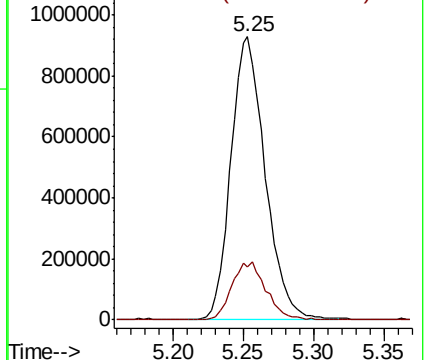
43 100

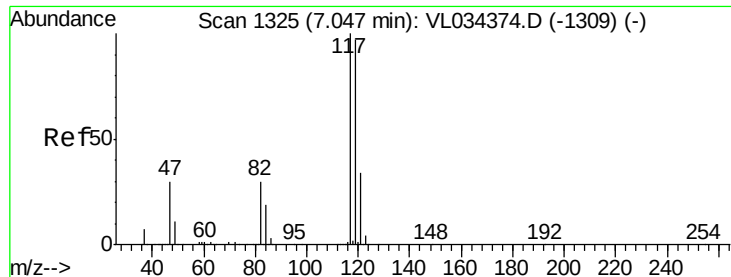
72 20.7 17.0 25.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

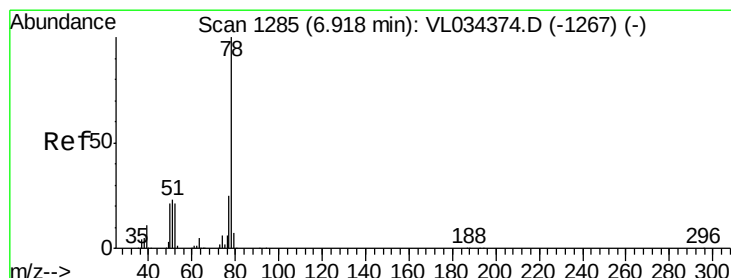
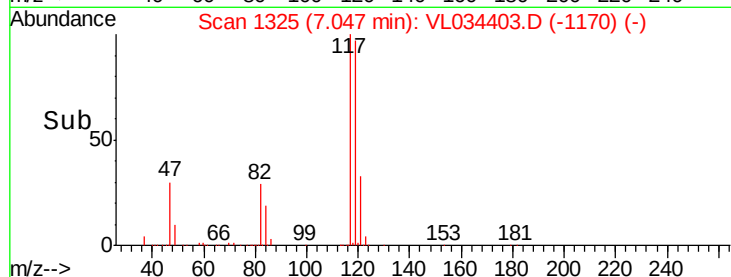
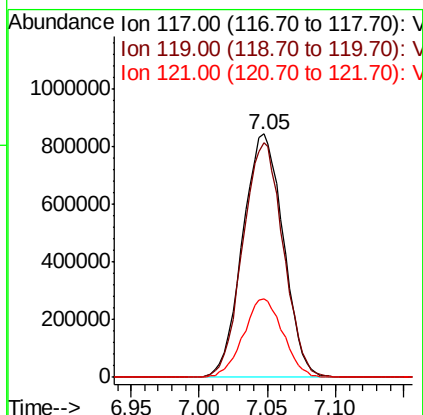
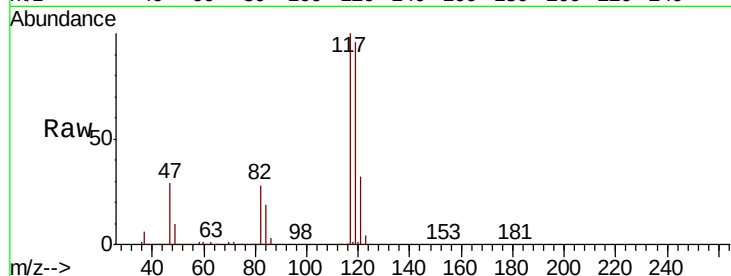




#35
Carbon Tetrachloride
Concen: 10.343 ppbv
RT: 7.05 min Scan# 1325
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

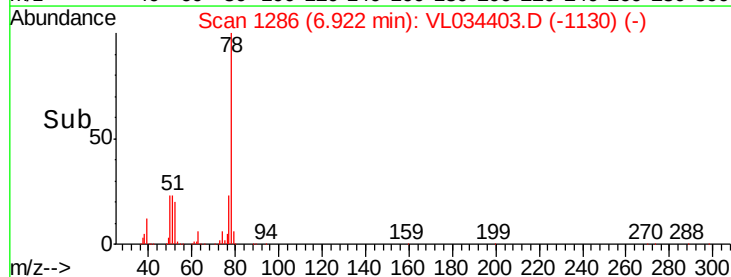
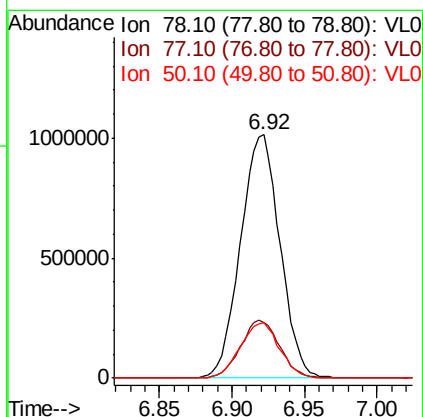
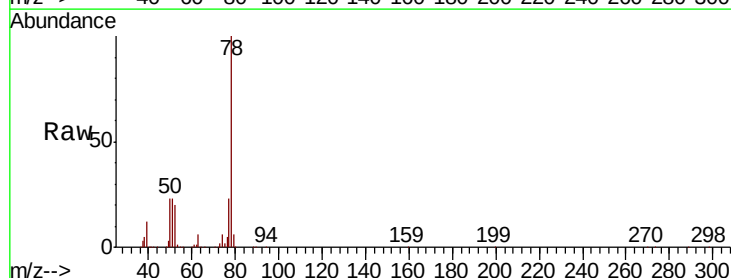
Instrument :
MSVOA_L
ClientSampled :

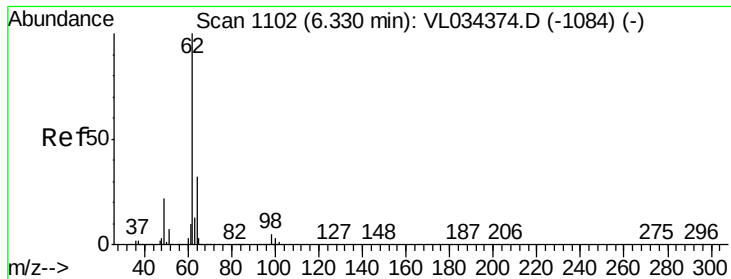
Tot Ion:117 Resp: 1744929
Ion Ratio Lower Upper
117 100
119 96.2 77.3 115.9
121 32.3 27.4 41.2



#36
Benzene
Concen: 9.794 ppbv
RT: 6.92 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion: 78 Resp: 1921029
Ion Ratio Lower Upper
78 100
77 22.8 20.2 30.4
50 22.9 17.1 25.7

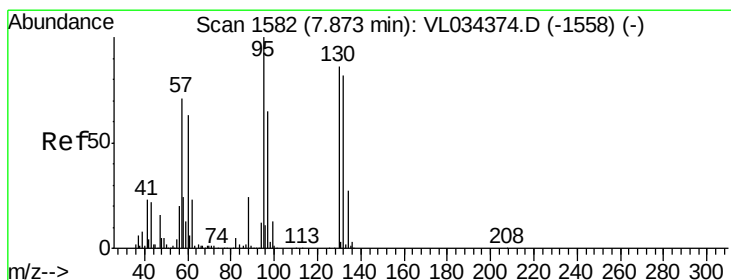
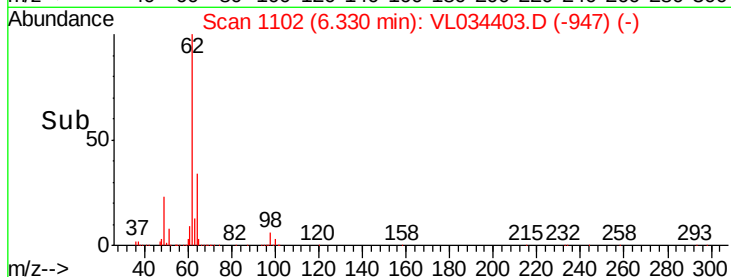
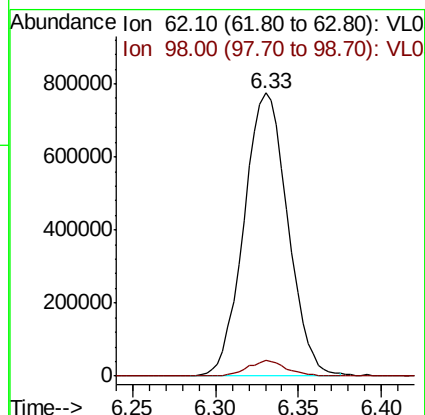
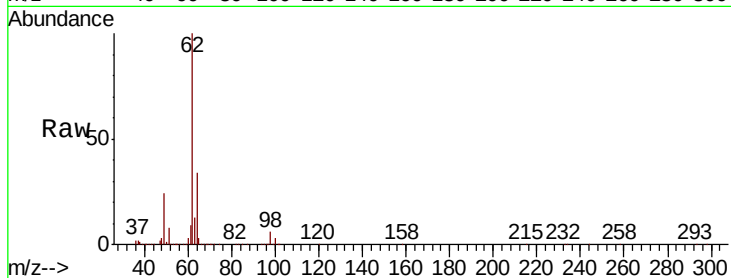




#37
 1,2-Dichloroethane
 Concen: 9.746 ppbv
 RT: 6.33 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

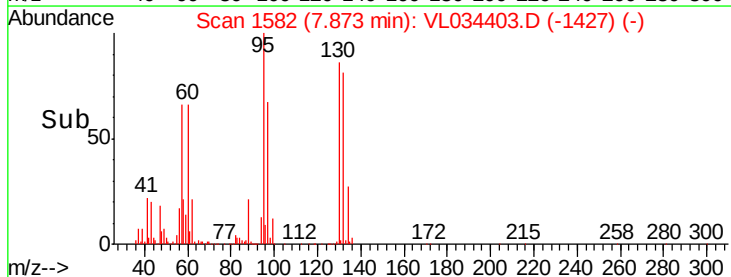
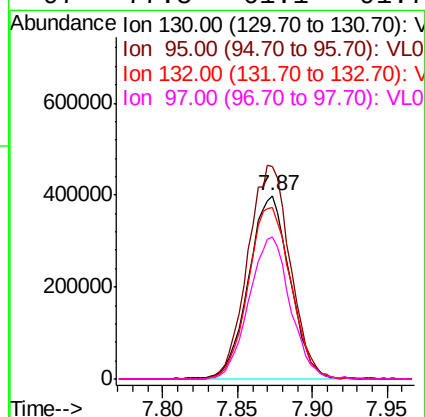
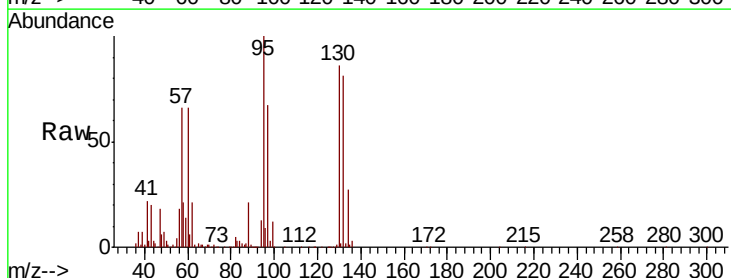
Instrument :
 MSVOA_L
 ClientSampled :

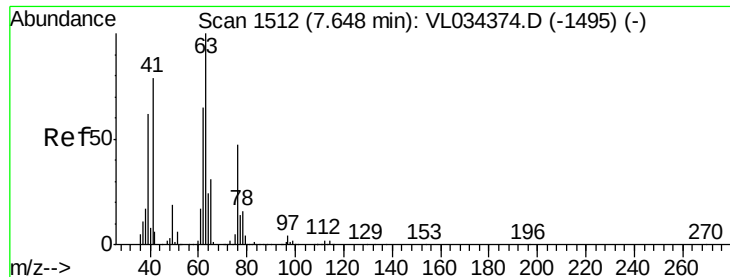
Tot Ion: 62 Resp: 1420090
 Ion Ratio Lower Upper
 62 100
 98 5.0 3.8 5.8



#38
 Trichloroethene
 Concen: 9.507 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Tgt Ion: 130 Resp: 765226
 Ion Ratio Lower Upper
 130 100
 95 115.7 93.4 140.0
 132 93.4 76.4 114.6
 97 77.5 61.1 91.7





#39

1,2-Dichloropropane

Concen: 10.738 ppbv

RT: 7.65 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

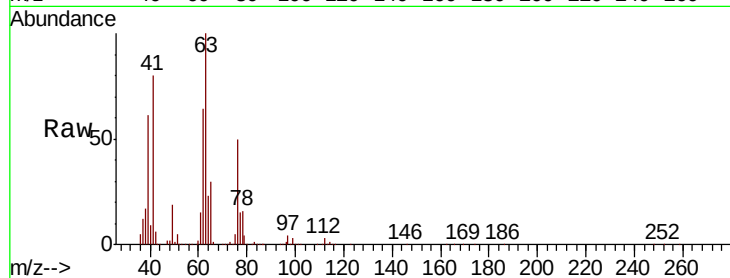
Tot Ion: 63 Resp: 811381

Ion Ratio Lower Upper

63 100

41 80.0 63.1 94.7

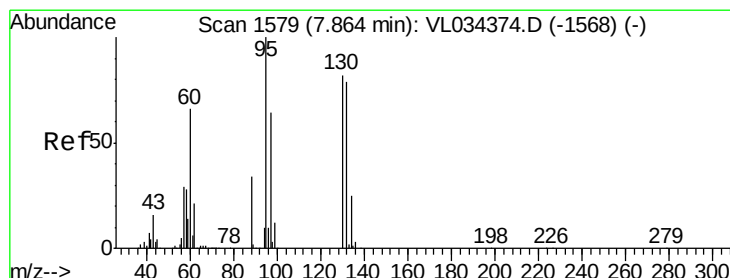
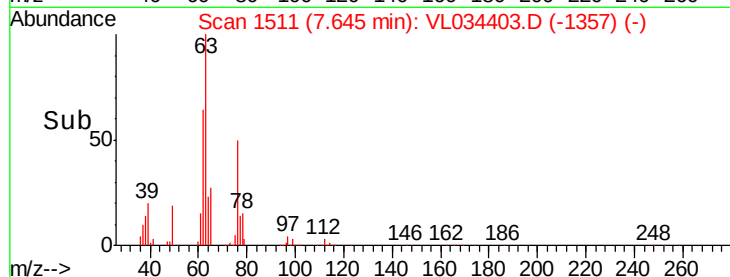
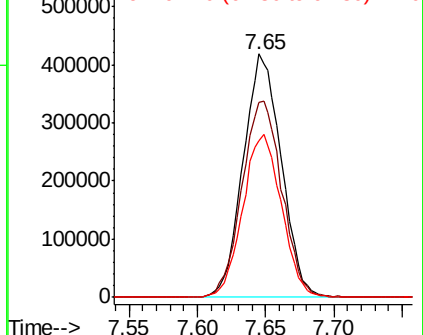
62 64.2 52.3 78.5



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.054 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Tgt Ion: 88 Resp: 265854

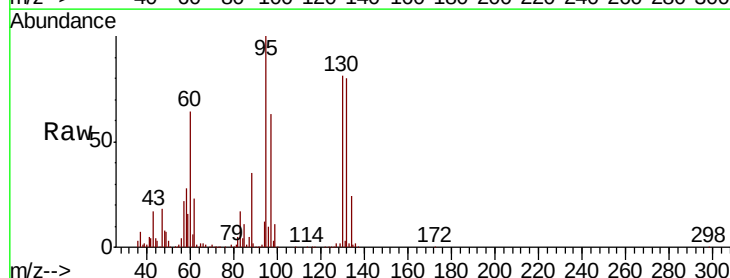
Ion Ratio Lower Upper

88 100

58 143.1 109.5 164.3

43 312.6 0.0 0.0#

57 1291.6 0.0 0.0#

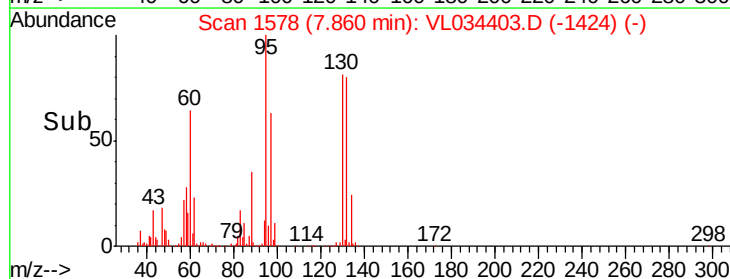
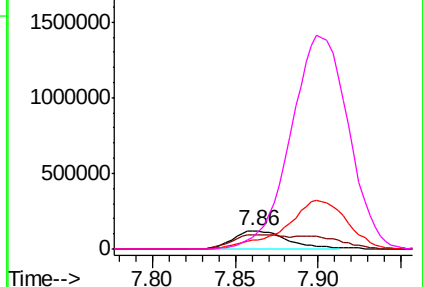


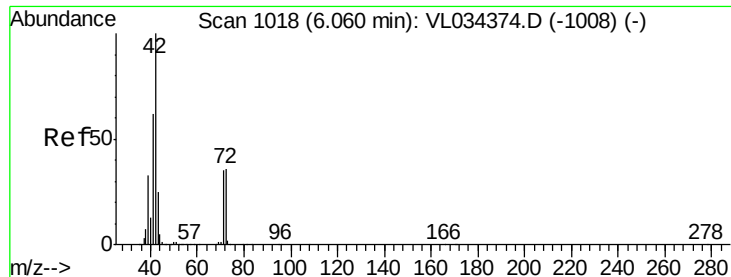
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

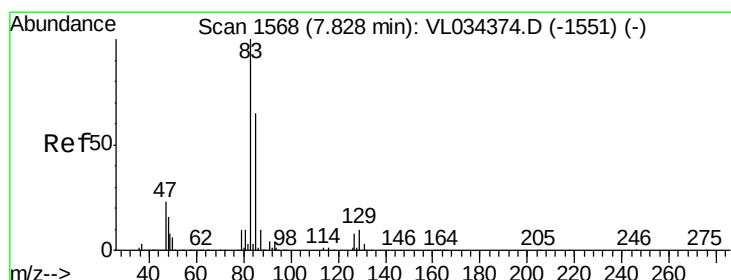
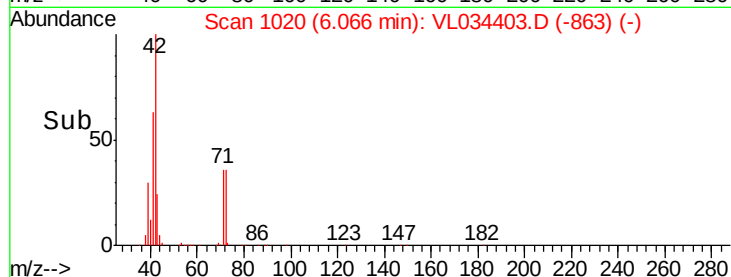
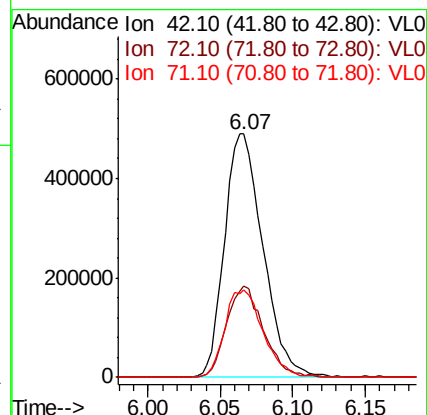
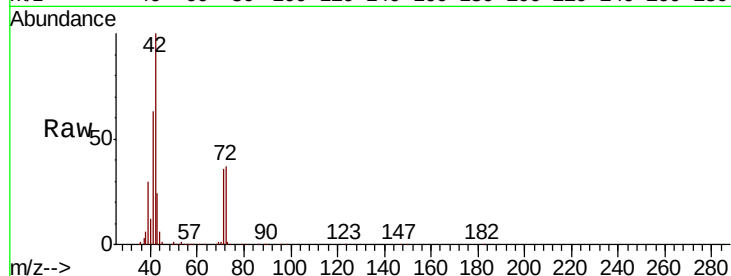




#41
Tetrahydrofuran
Concen: 9.913 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

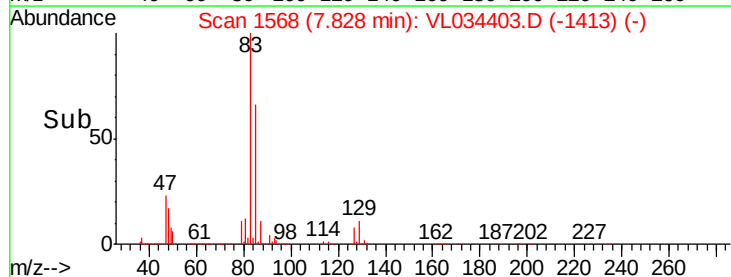
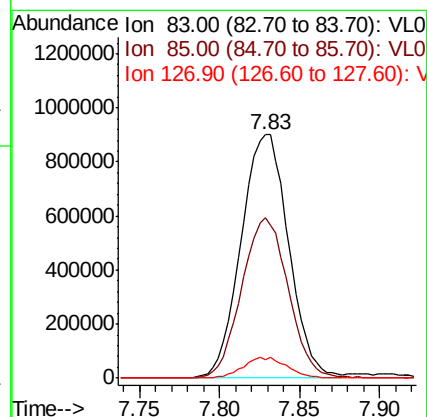
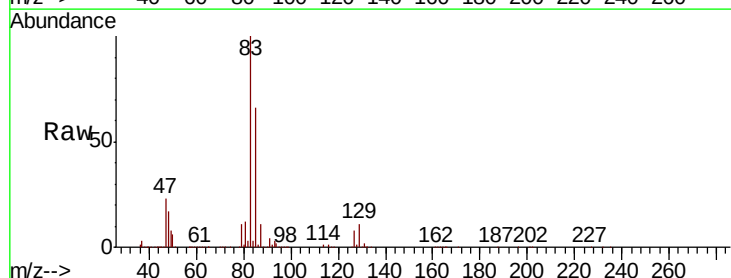
Instrument :
MSVOA_L
ClientSampleId :

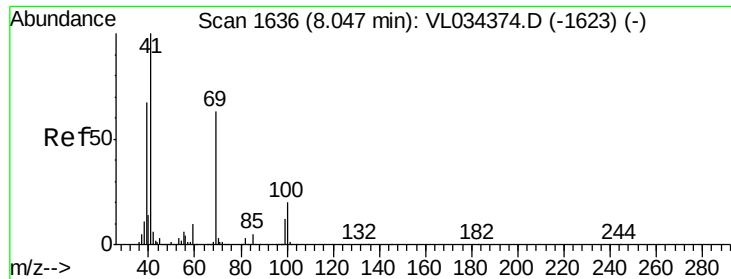
Tot Ion: 42 Resp: 897962
Ion Ratio Lower Upper
42 100
72 36.5 30.2 45.4
71 35.8 29.4 44.2



#42
Bromodichloromethane
Concen: 10.025 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion: 83 Resp: 1826879
Ion Ratio Lower Upper
83 100
85 65.9 52.3 78.5
127 7.7 6.1 9.1

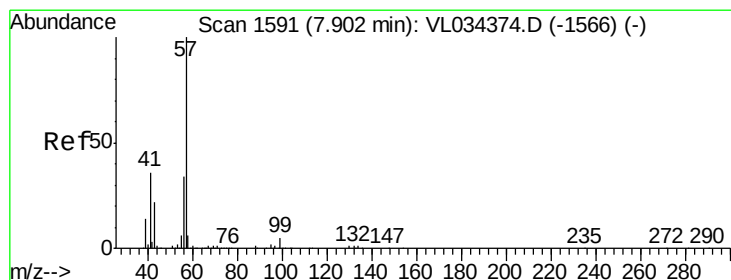
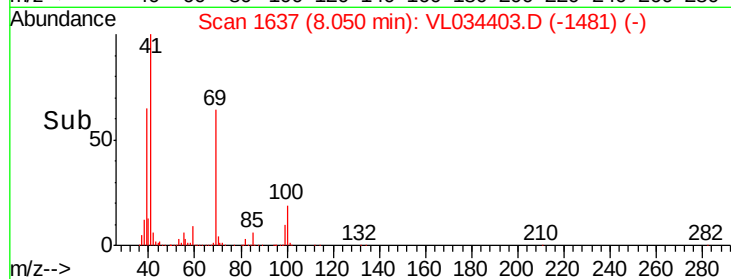
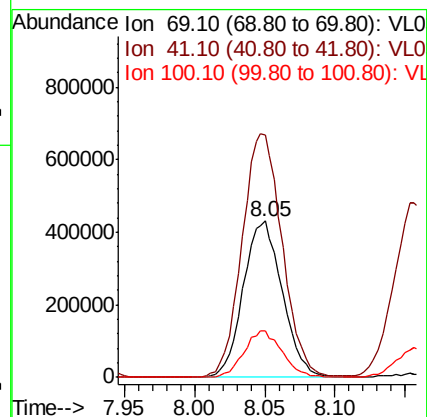
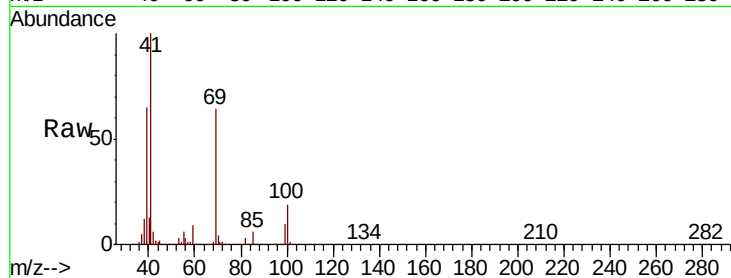




#43
Methvl Methacrylate
Concen: 10.263 ppbv
RT: 8.05 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

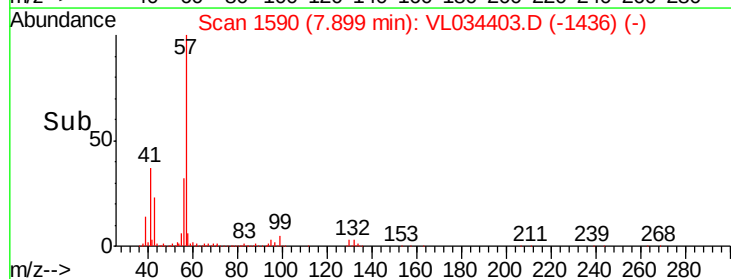
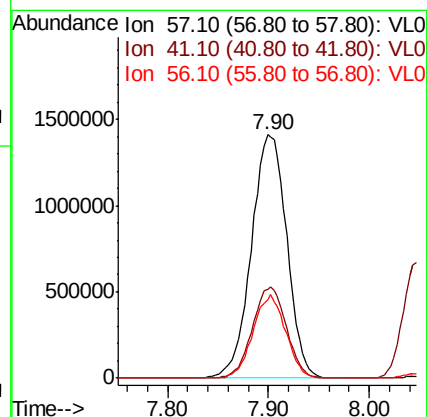
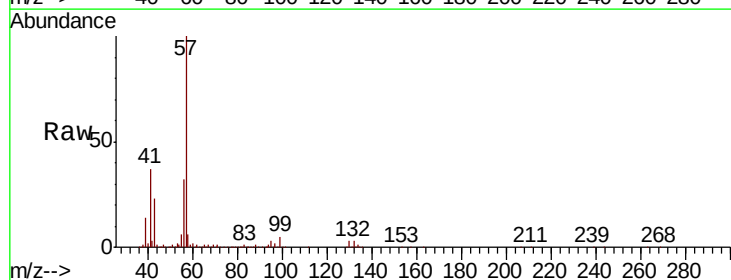
Instrument :
MSVOA_L
ClientSampled :

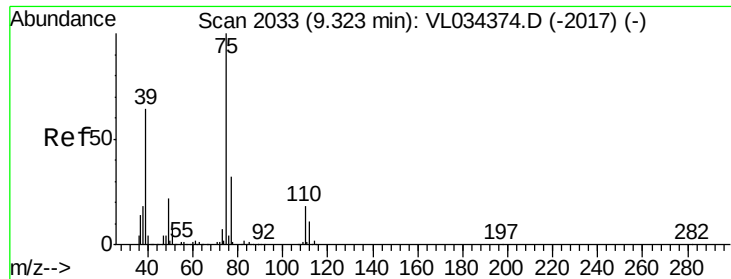
Tot Ion: 69 Resp: 834925
Ion Ratio Lower Upper
69 100
41 159.8 127.4 191.2
100 29.2 24.2 36.4



#44
2,2,4-Trimethylpentane
Concen: 9.577 ppbv
RT: 7.90 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion: 57 Resp: 3432964
Ion Ratio Lower Upper
57 100
41 35.9 28.6 42.8
56 31.5 25.3 37.9

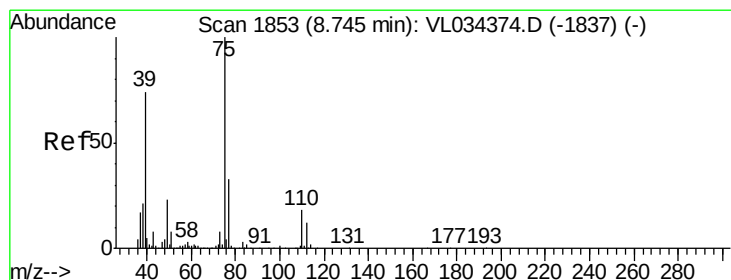
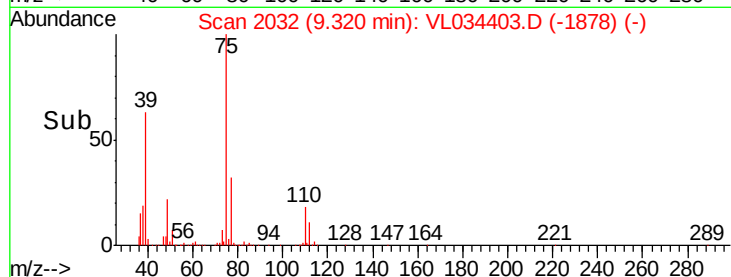
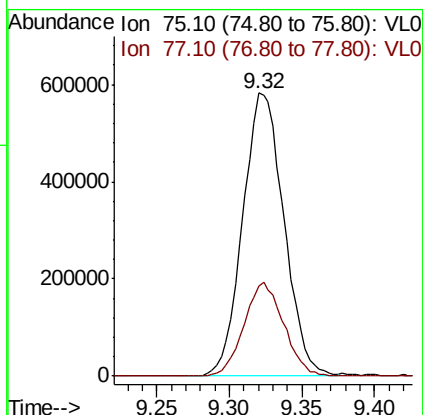
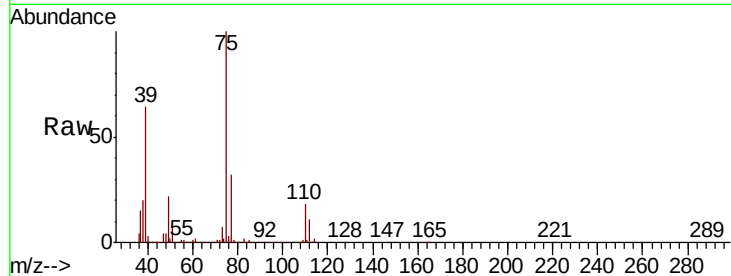




#45
t-1,3-Dichloropropene
Concen: 11.038 ppbv
RT: 9.32 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

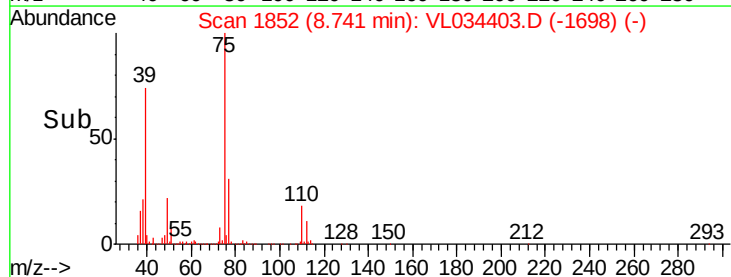
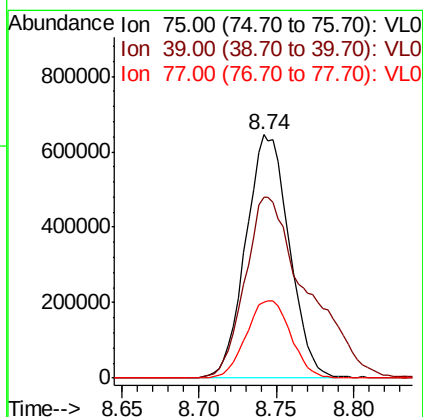
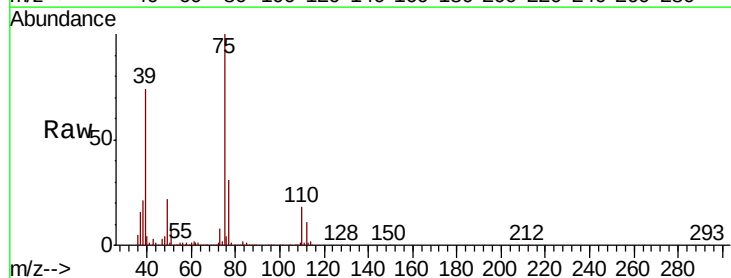
Instrument :
MSVOA_L
ClientSampleId :

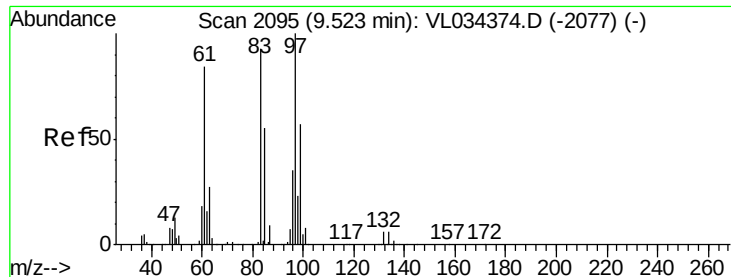
Tot Ion: 75 Resp: 1151593
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.2



#46
cis-1,3-Dichloropropene
Concen: 10.761 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion: 75 Resp: 1261056
Ion Ratio Lower Upper
75 100
39 73.9 59.0 88.6
77 31.3 26.4 39.6





#47

1,1,2-Trichloroethane

Concen: 9.861 ppbv

RT: 9.52 min Scan# 2094

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 828879

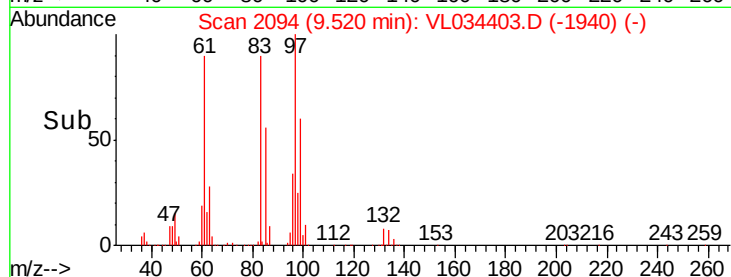
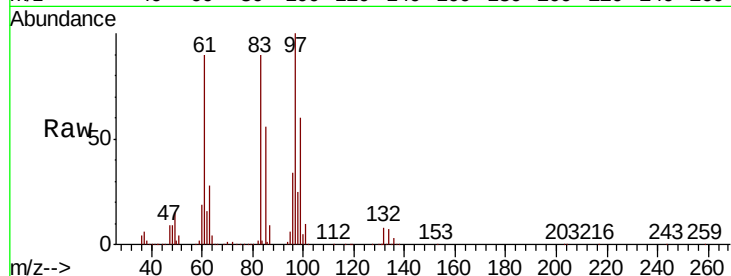
Ion	Ratio	Lower	Upper
97	100		
83	89.5	74.6	112.0
85	56.3	43.8	65.8
99	59.7	45.6	68.4

97 100

83 89.5 74.6 112.0

85 56.3 43.8 65.8

99 59.7 45.6 68.4



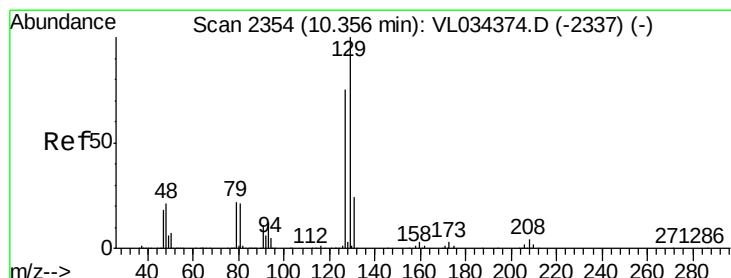
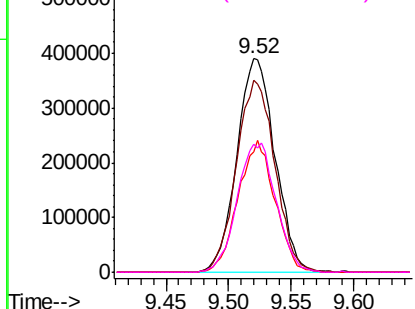
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.647 ppbv

RT: 10.36 min Scan# 2354

Delta R.T. -0.00 min

Lab File: VL034403.D

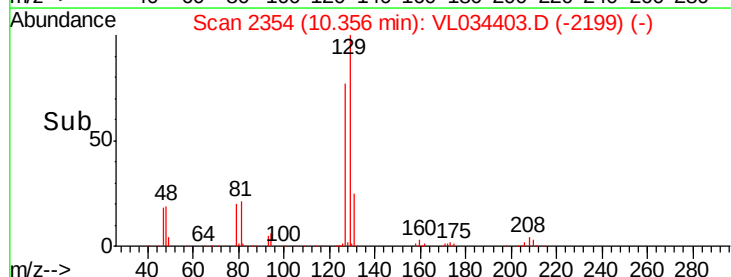
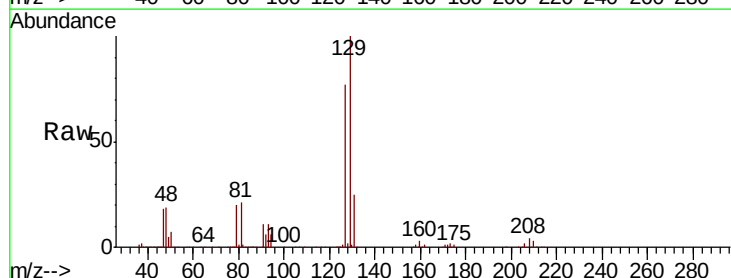
Acq: 25 Nov 2019 12:25

Tgt Ion: 129 Resp: 1536628

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.5

129 100

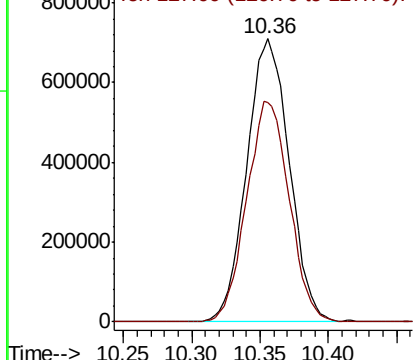
127 78.2 39.1 117.5

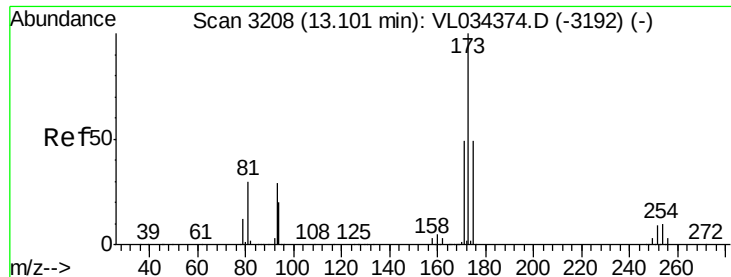


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.797 ppbv

RT: 13.10 min Scan# 3208

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

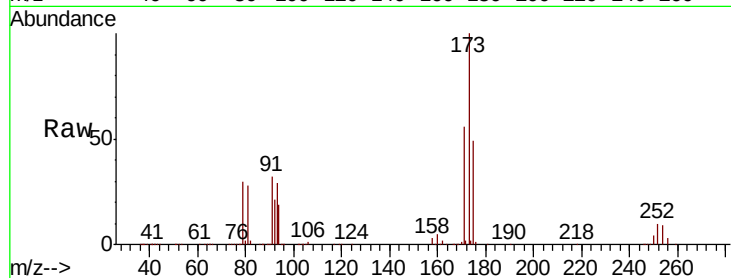
Tot Ion:173 Resp: 1391104

Ion Ratio Lower Upper

173 100

175 49.8 39.3 58.9

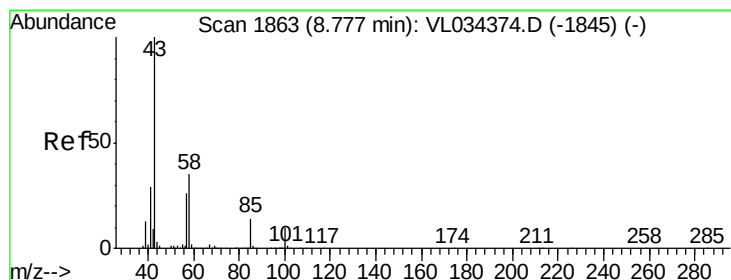
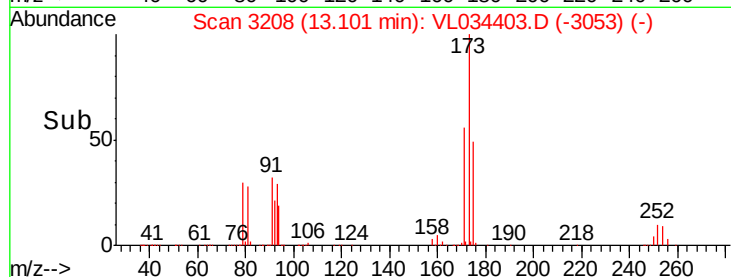
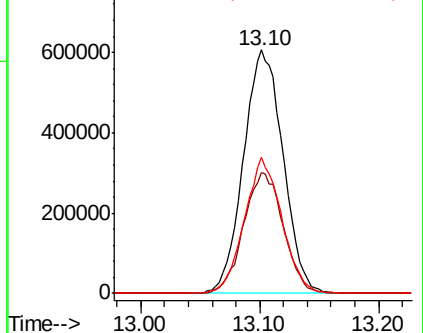
171 52.9 42.4 63.6



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: 9.997 ppbv

RT: 8.78 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VL034403.D

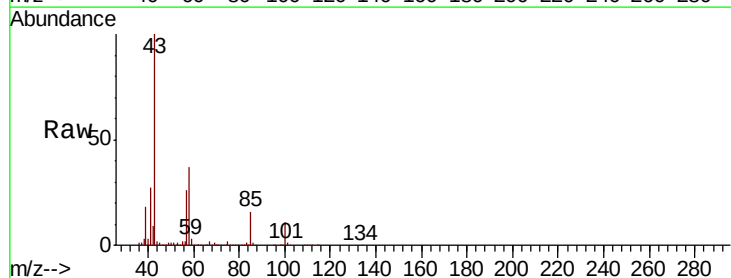
Acq: 25 Nov 2019 12:25

Tgt Ion: 43 Resp: 2336065

Ion Ratio Lower Upper

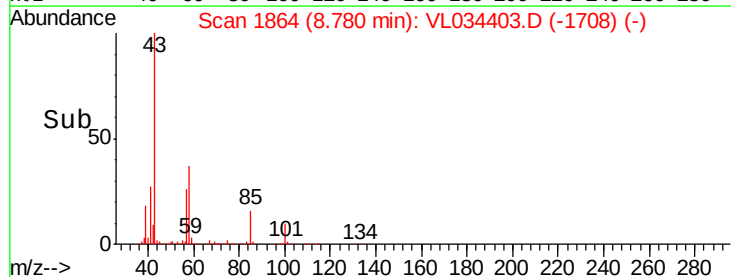
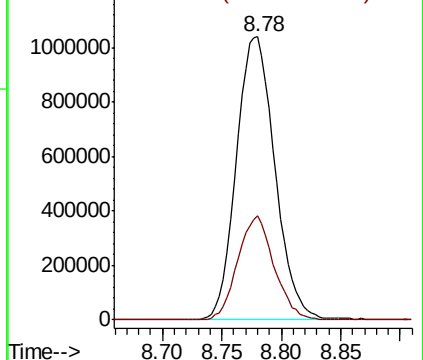
43 100

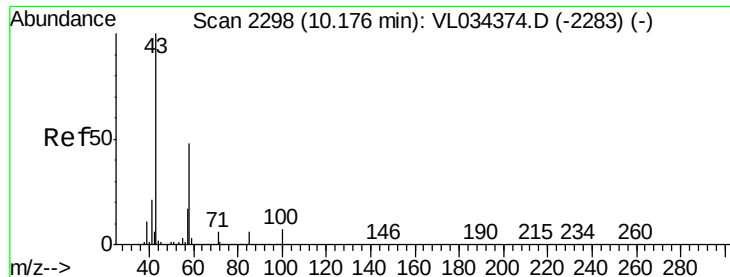
58 34.7 27.9 41.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

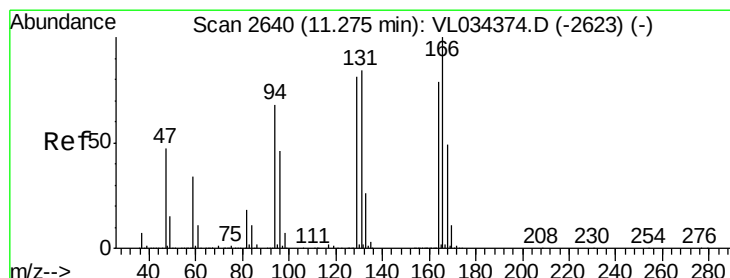
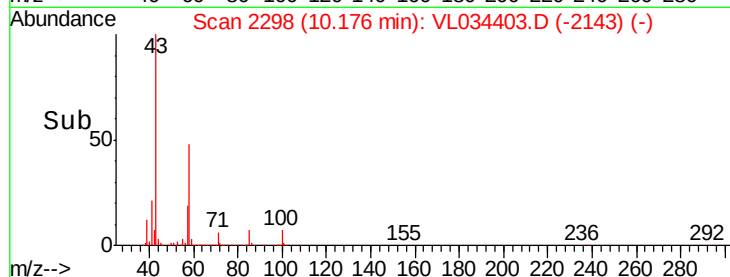
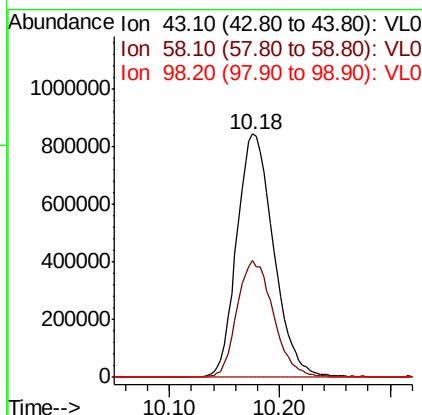
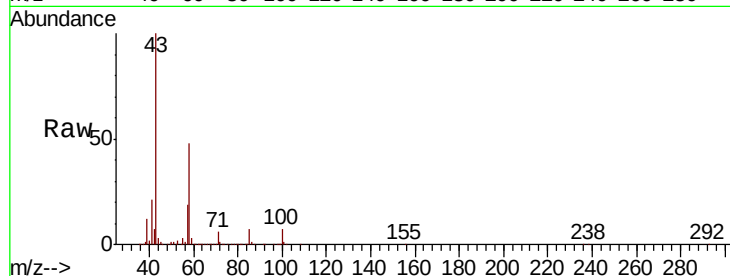




#51
2-Hexanone
Concen: 10.021 ppbv
RT: 10.18 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

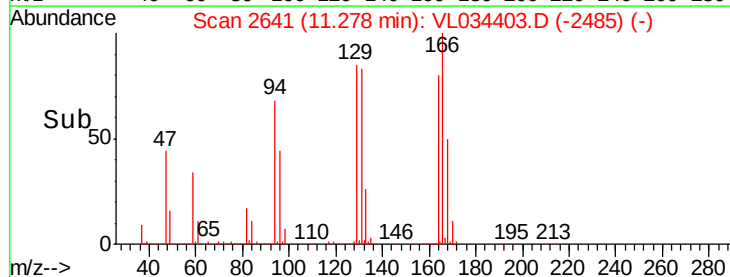
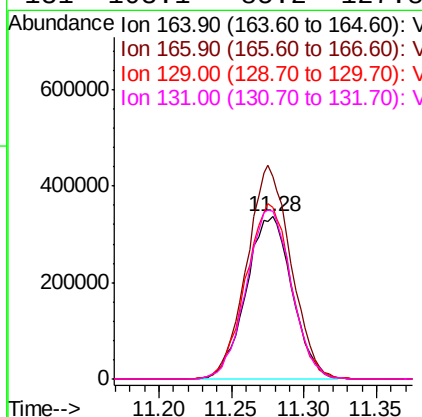
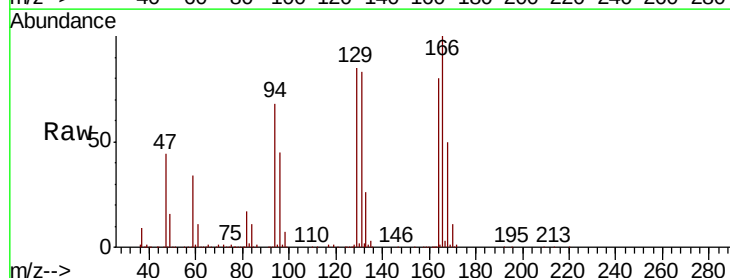
Instrument :
MSVOA_L
ClientSampleId :

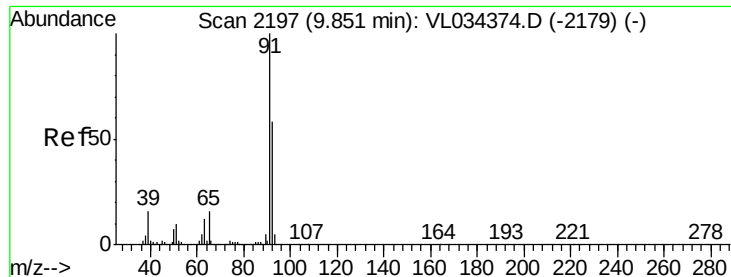
Tot Ion: 43 Resp: 1961443
Ion Ratio Lower Upper
43 100
58 47.4 38.2 57.4
98 0.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.750 ppbv
RT: 11.28 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion:164 Resp: 742559
Ion Ratio Lower Upper
164 100
166 124.7 101.7 152.5
129 105.4 82.6 123.8
131 103.1 85.2 127.8





#53

Toluene

Concen: 10.123 ppbv

RT: 9.85 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

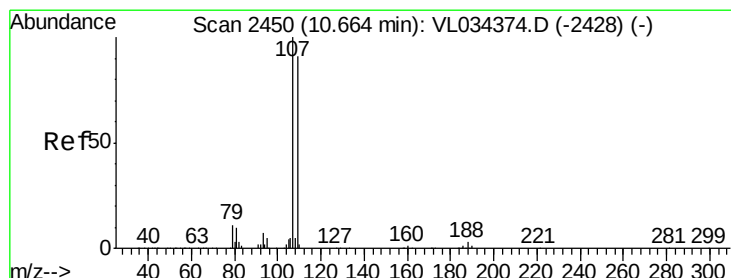
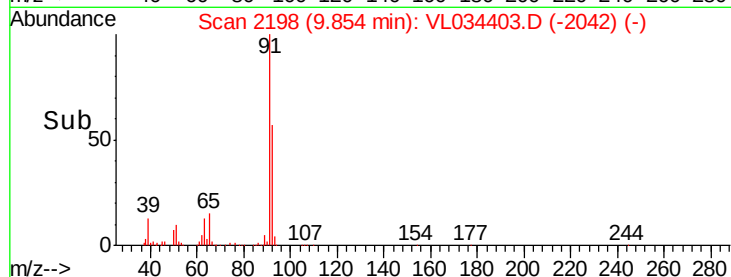
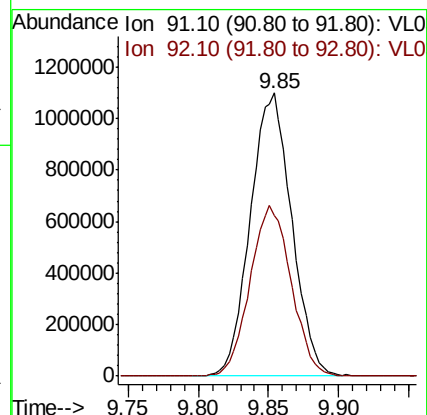
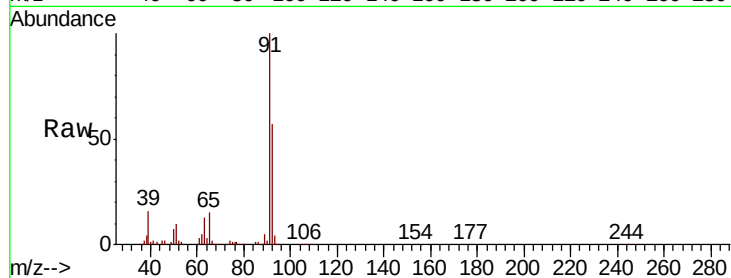
ClientSampleId :

Tot Ion: 91 Resp: 2255449

Ion Ratio Lower Upper

91 100

92 59.9 47.9 71.9



#54

1,2-Dibromoethane

Concen: 9.845 ppbv

RT: 10.66 min Scan# 2449

Delta R.T. -0.00 min

Lab File: VL034403.D

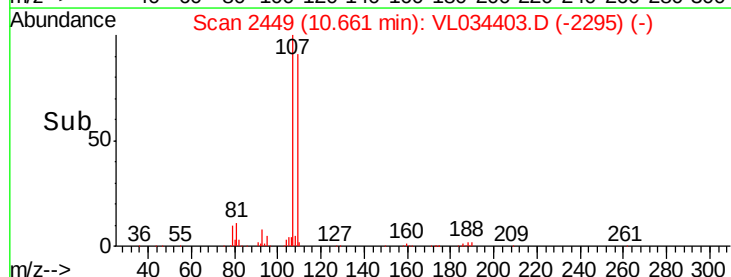
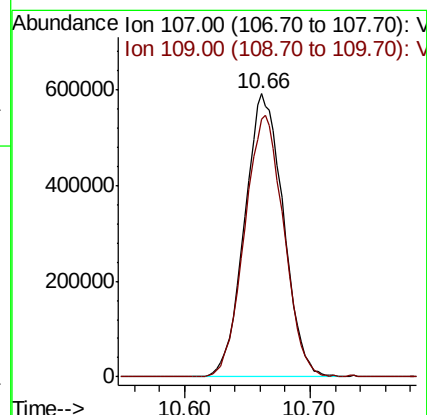
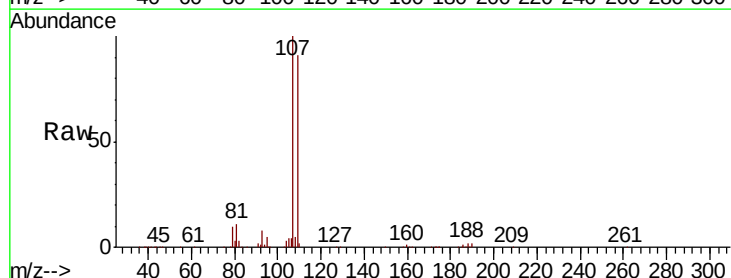
Acq: 25 Nov 2019 12:25

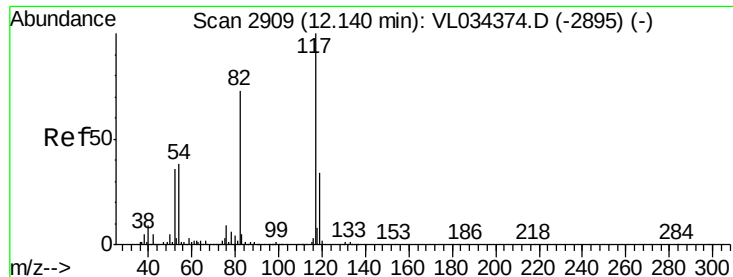
Tgt Ion:107 Resp: 1268747

Ion Ratio Lower Upper

107 100

109 91.1 73.0 109.4

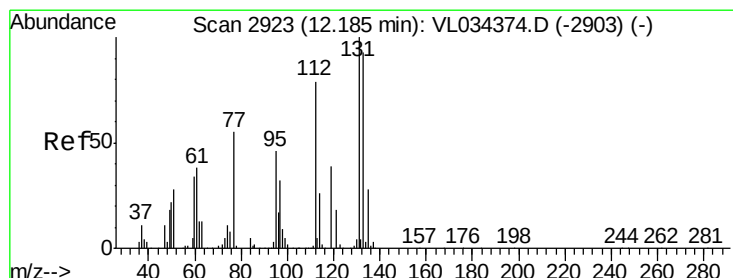
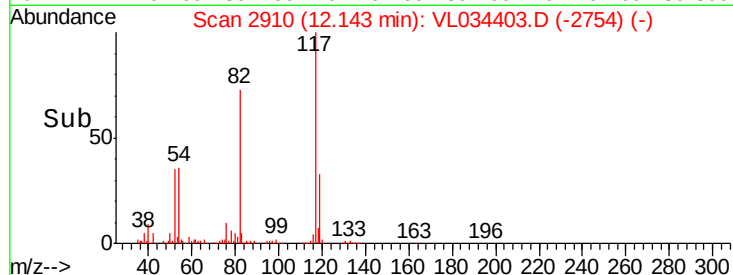
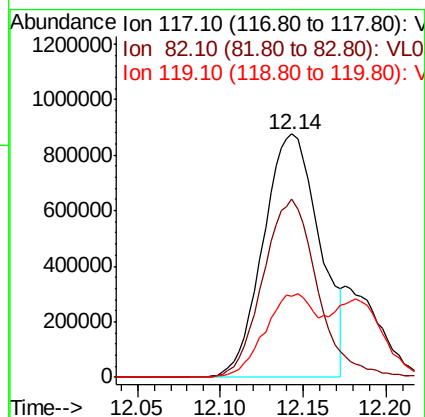
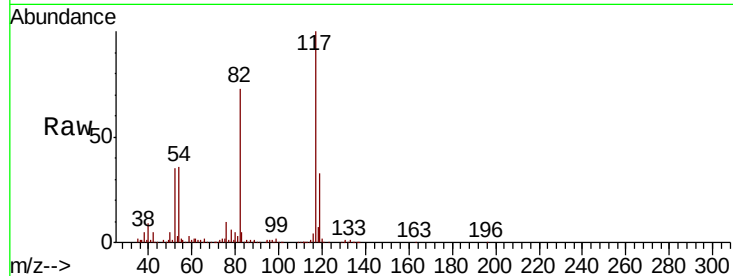




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

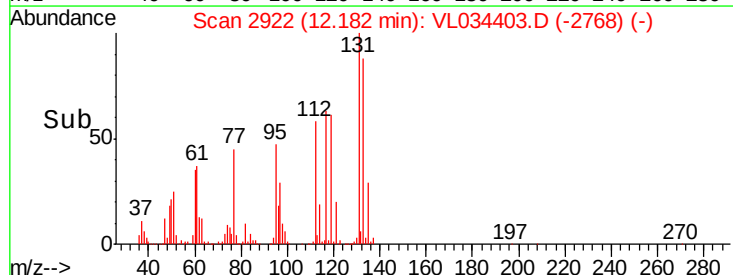
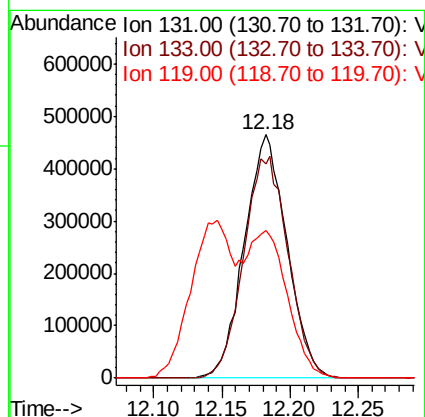
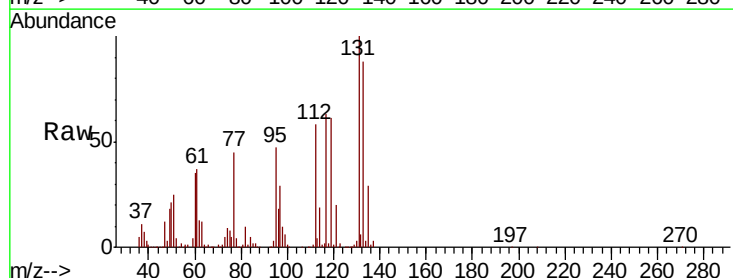
Instrument :
MSVOA_L
ClientSampled :

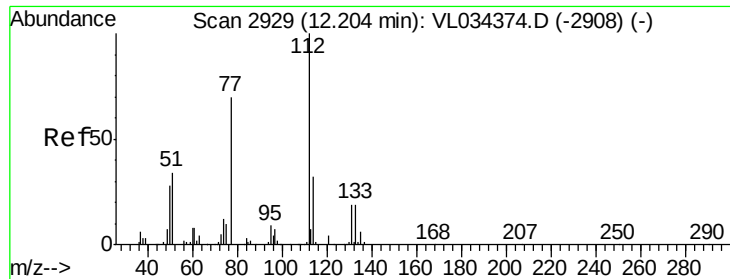
Tot Ion:117 Resp: 2077734
Ion Ratio Lower Upper
117 100
82 70.9 57.5 86.3
119 30.0 25.4 38.2



#56
1,1,1,2-Tetrachloroethane
Concen: 9.915 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion:131 Resp: 1007651
Ion Ratio Lower Upper
131 100
133 95.3 76.2 114.2
119 63.1 44.6 67.0





#57

Chlorobenzene

Concen: 9.164 ppbv

RT: 12.20 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

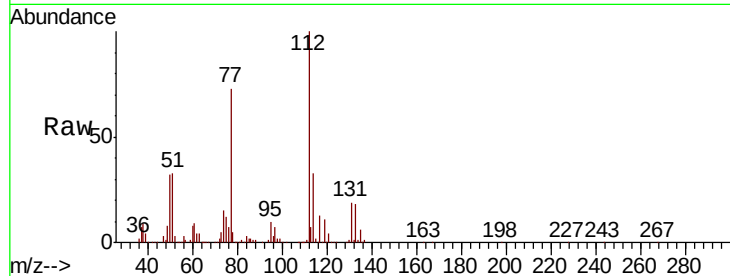
ClientSampleId :

Tot Ion:112 Resp: 1721121

Ion	Ratio	Lower	Upper
112	100		
77	72.3	57.1	85.7
114	33.2	28.5	34.9

77 72.3 57.1 85.7

114 33.2 28.5 34.9

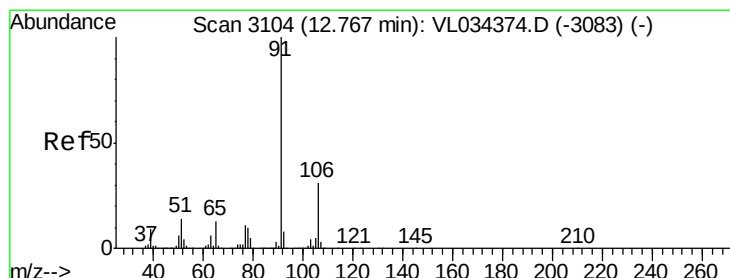
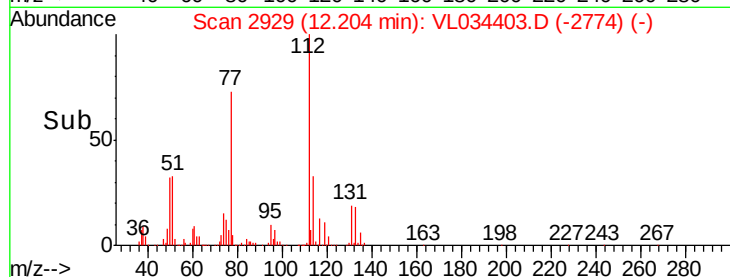
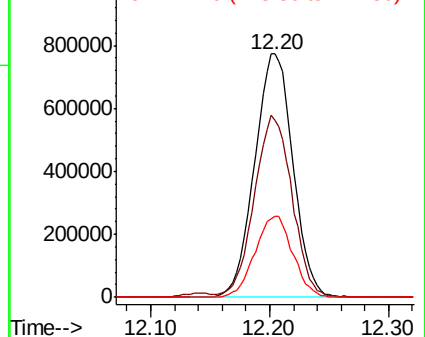


Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.668 ppbv

RT: 12.77 min Scan# 3104

Delta R.T. -0.00 min

Lab File: VL034403.D

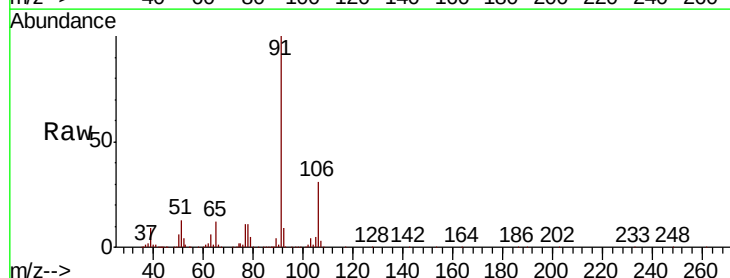
Acq: 25 Nov 2019 12:25

Tgt Ion: 91 Resp: 3117250

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.8	37.2

91 100

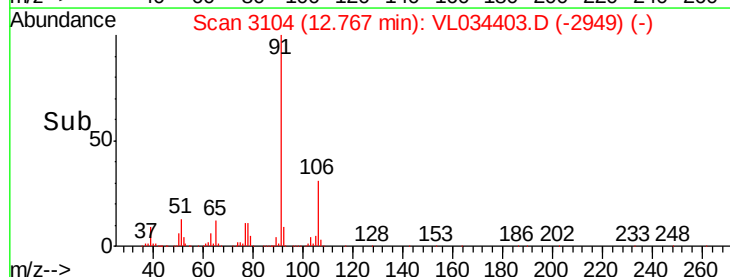
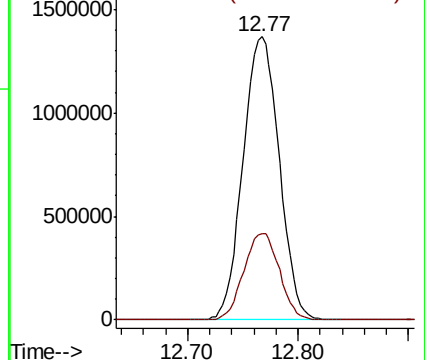
106 30.6 24.8 37.2

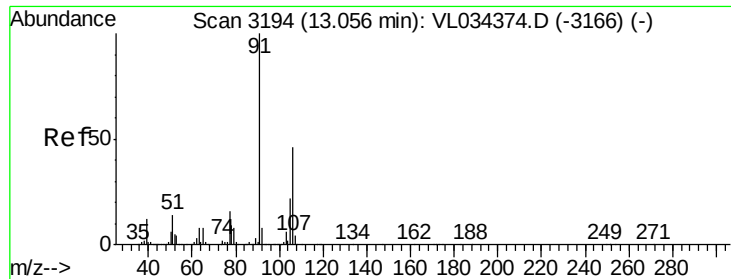


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.970 ppbv

RT: 13.05 min Scan# 3193

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

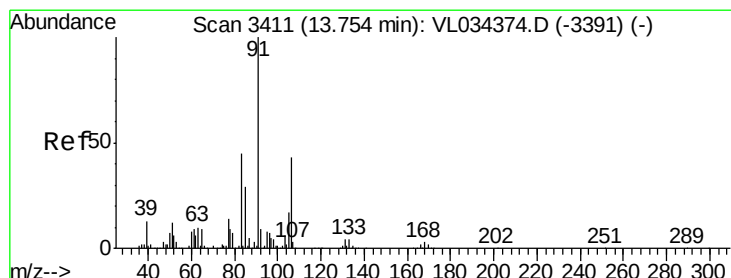
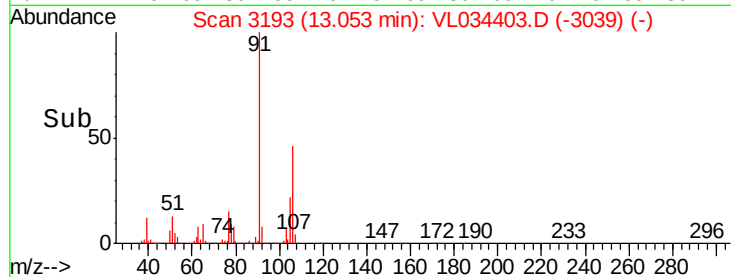
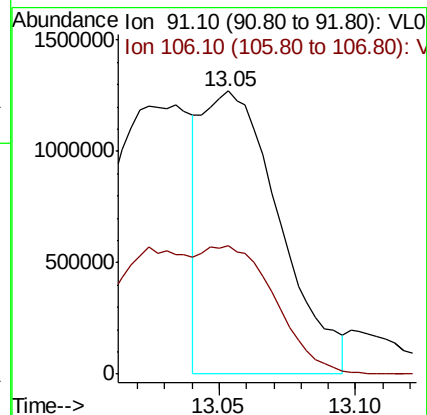
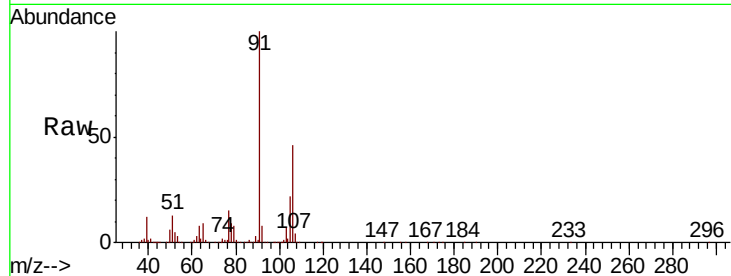
ClientSampleId :

Tot Ion: 91 Resp: 2500082

Ion Ratio Lower Upper

91 100

106 90.7 34.6 51.8#



#60

o-Xylene

Concen: 9.375 ppbv

RT: 13.75 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VL034403.D

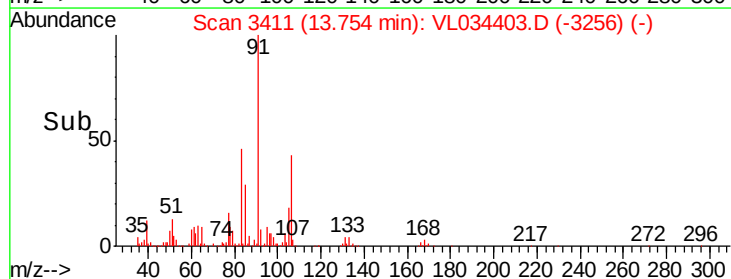
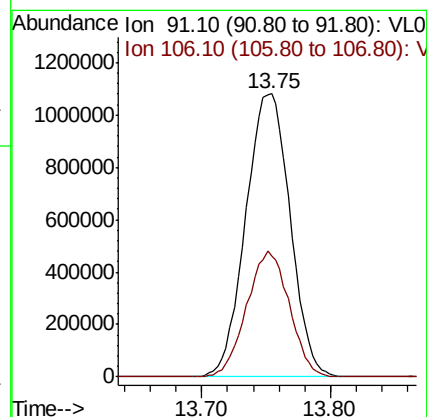
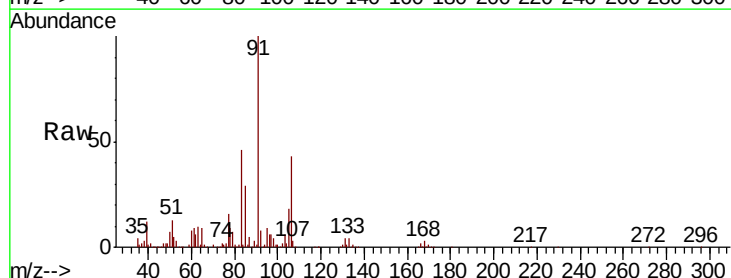
Acq: 25 Nov 2019 12:25

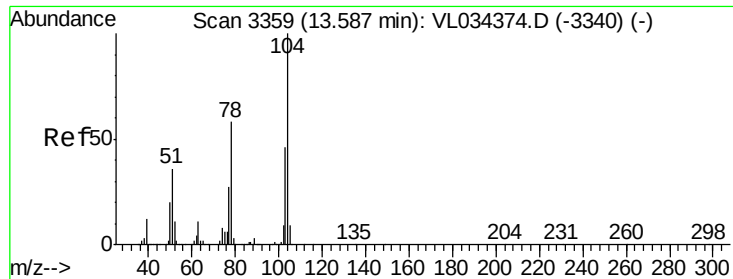
Tgt Ion: 91 Resp: 2583579

Ion Ratio Lower Upper

91 100

106 42.9 21.3 64.0

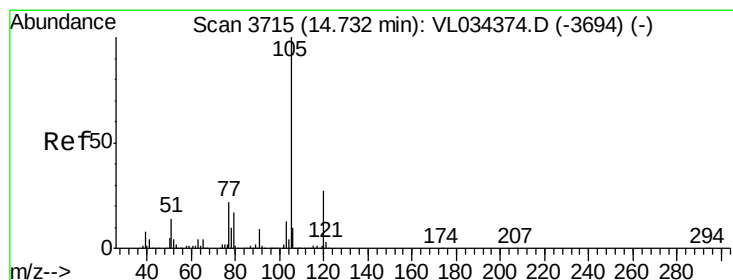
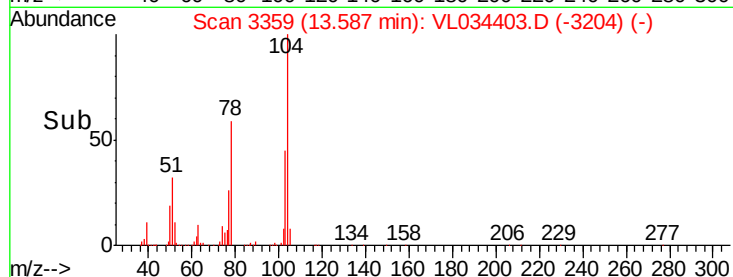
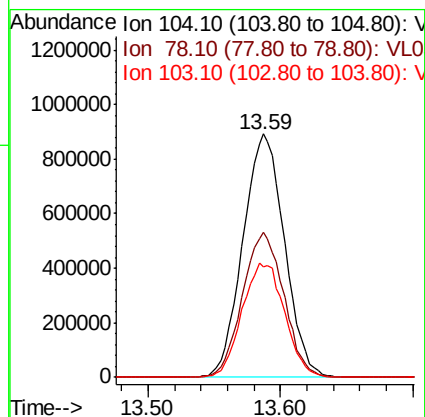
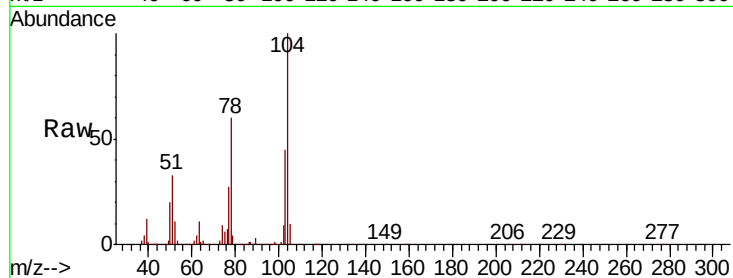




#61
Stvrene
Concen: 9.797 ppbv
RT: 13.59 min Scan# 3359
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

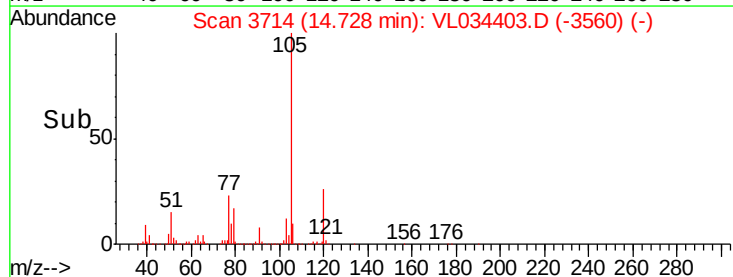
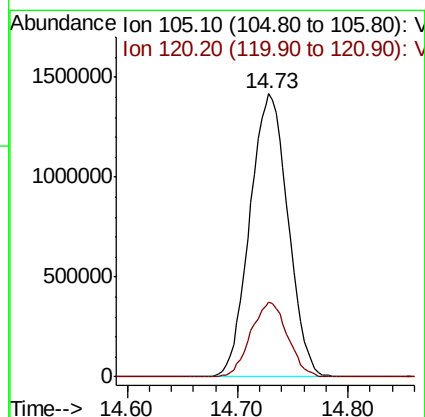
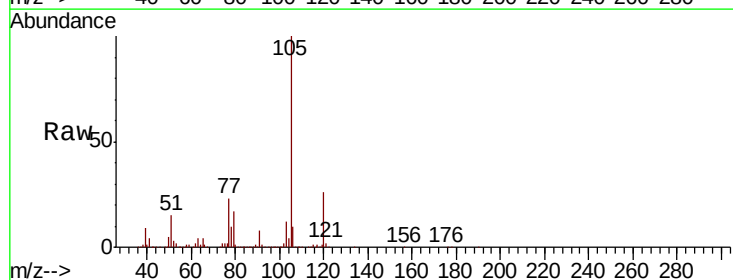
Instrument :
MSVOA_L
ClientSampled :

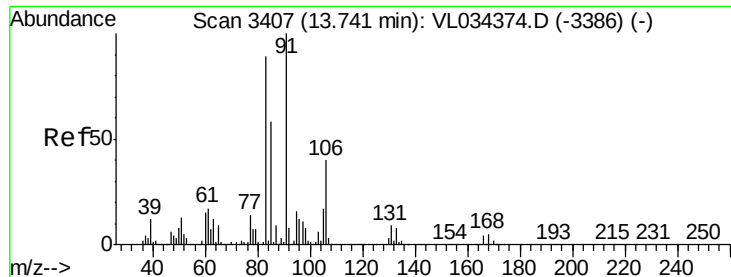
Tot Ion:104 Resp: 1946914
Ion Ratio Lower Upper
104 100
78 59.3 47.6 71.4
103 48.0 38.6 57.8



#62
Isopropylbenzene
Concen: 9.297 ppbv
RT: 14.73 min Scan# 3714
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion:105 Resp: 3388506
Ion Ratio Lower Upper
105 100
120 25.7 20.2 30.4

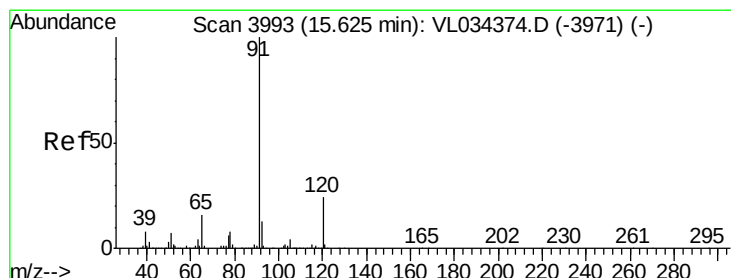
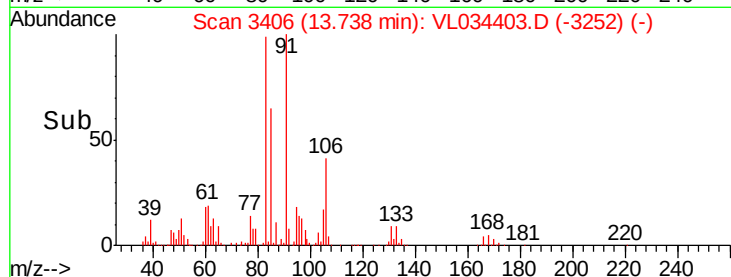
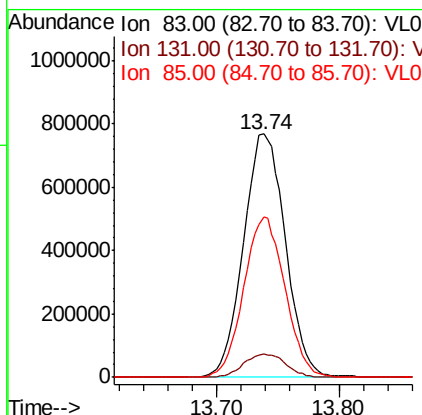
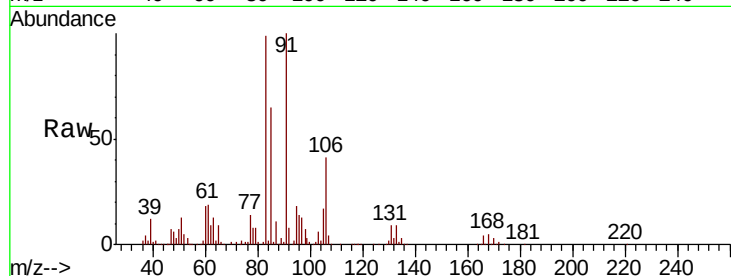




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.790 ppbv
 RT: 13.74 min Scan# 3406
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

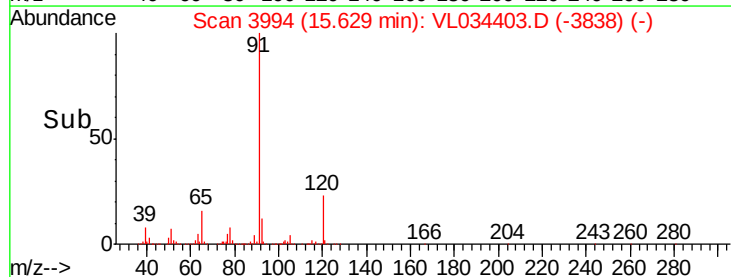
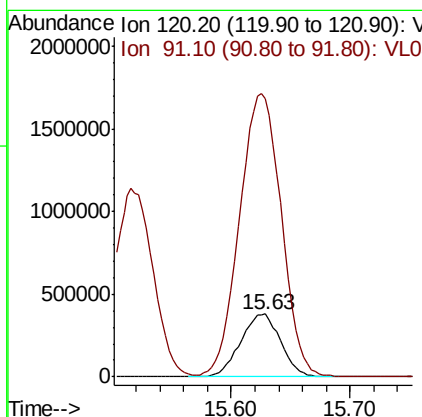
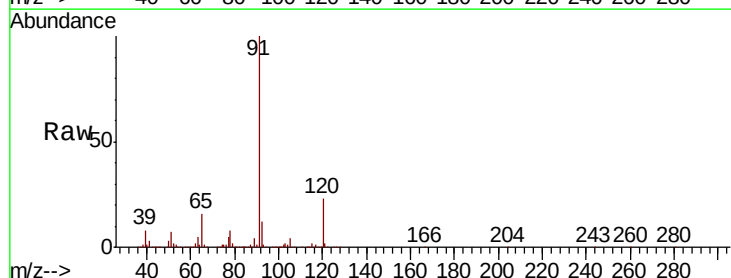
Instrument :
 MSVOA_L
 ClientSampleId :

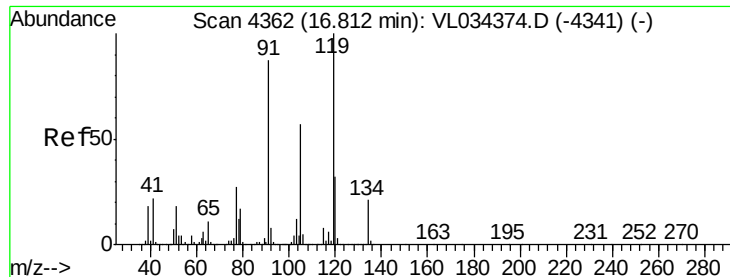
Tot Ion: 83 Resp: 1820697
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.9 14.7
 85 65.1 32.6 97.8



#64
 n-propylbenzene
 Concen: 9.392 ppbv
 RT: 15.63 min Scan# 3994
 Delta R.T. 0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Tgt Ion:120 Resp: 888919
 Ion Ratio Lower Upper
 120 100
 91 466.9 370.9 556.3





#65

tert-Butylbenzene

Concen: 9.172 ppbv

RT: 16.81 min Scan# 4362

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

ClientSampled :

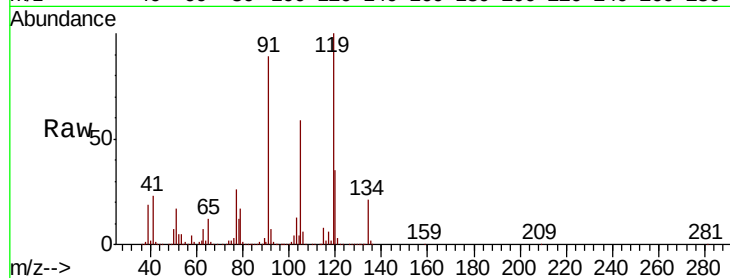
Tot Ion:119 Resp: 3002785

Ion Ratio Lower Upper

119 100

91 89.3 71.6 107.4

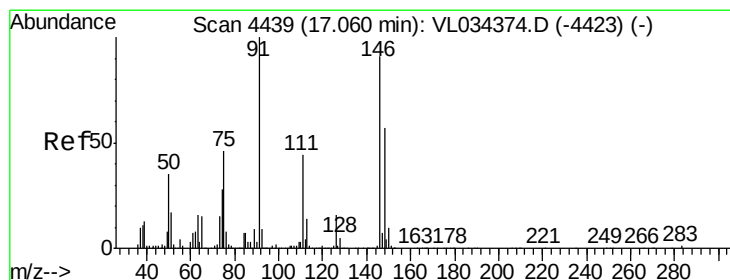
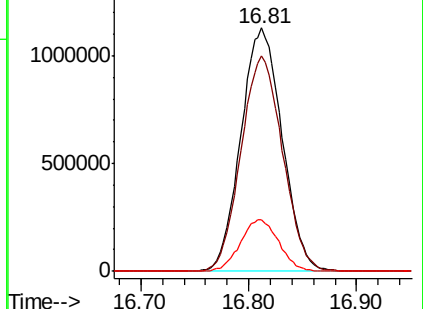
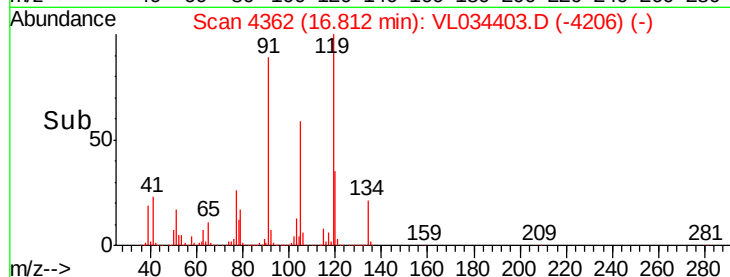
134 19.9 15.9 23.9



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.982 ppbv

RT: 17.06 min Scan# 4439

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

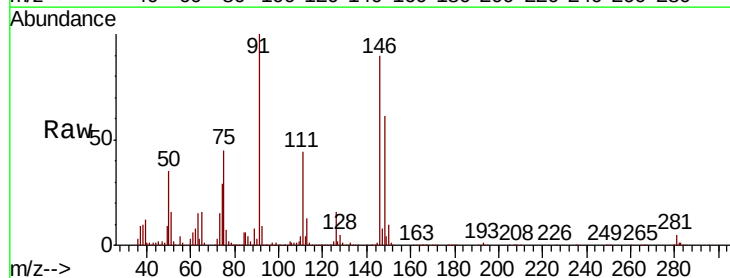
Tgt Ion: 91 Resp: 1509020

Ion Ratio Lower Upper

91 100

126 16.1 12.9 19.3

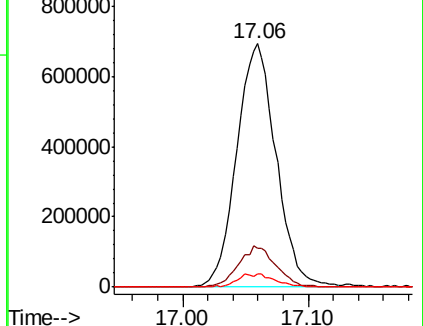
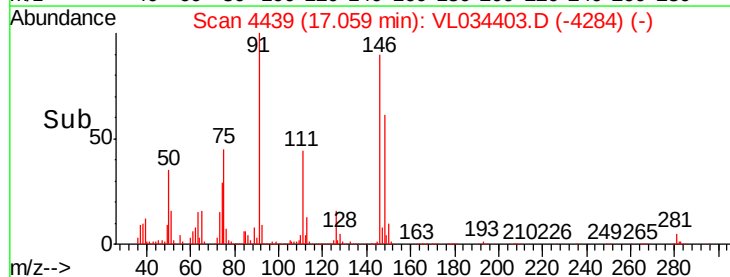
128 5.2 4.3 6.5

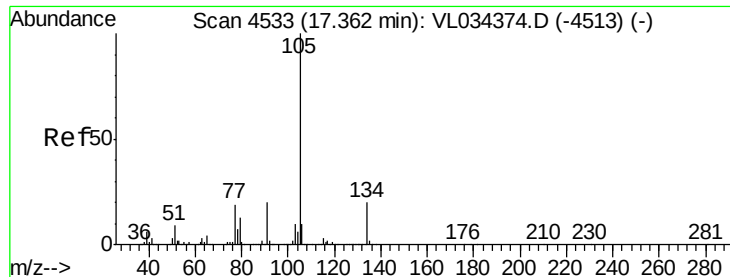


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.044 ppbv

RT: 17.36 min Scan# 4534

Delta R.T. 0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

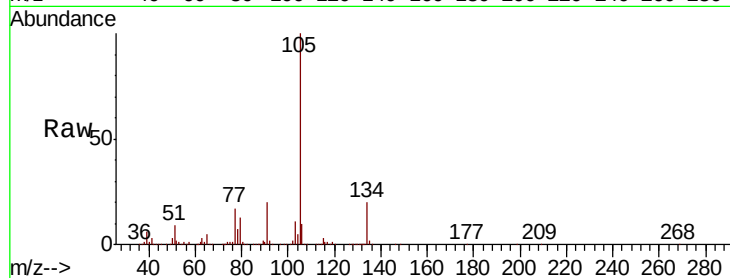
ClientSampleId :

Tot Ion:105 Resp: 4141528

Ion Ratio Lower Upper

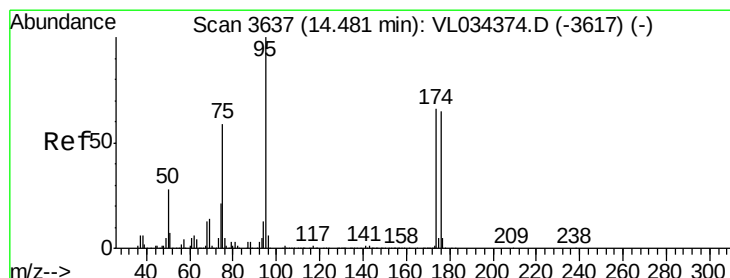
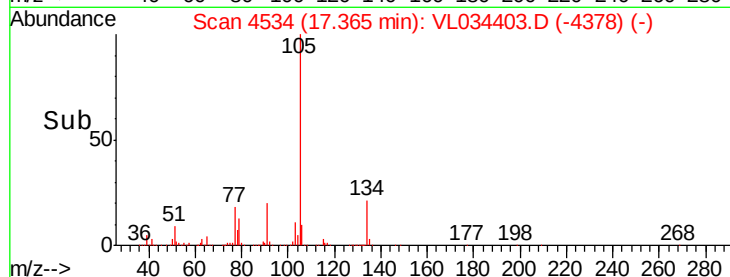
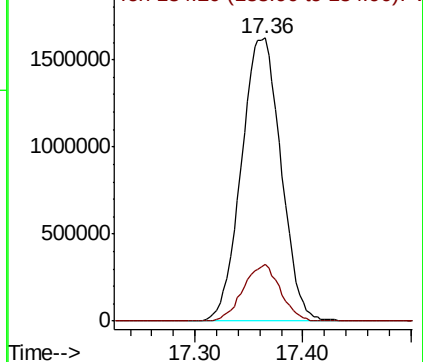
105 100

134 18.7 15.0 22.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.773 ppbv

RT: 14.48 min Scan# 3636

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

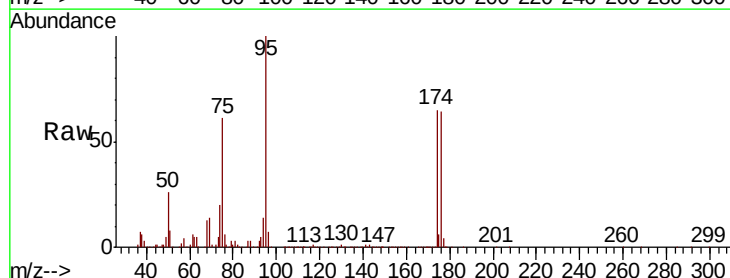
Tgt Ion: 95 Resp: 1708256

Ion Ratio Lower Upper

95 100

174 66.6 52.2 78.2

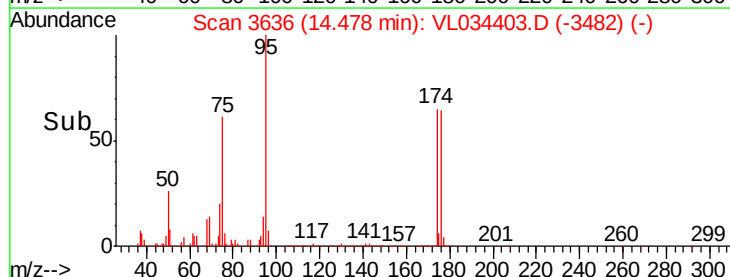
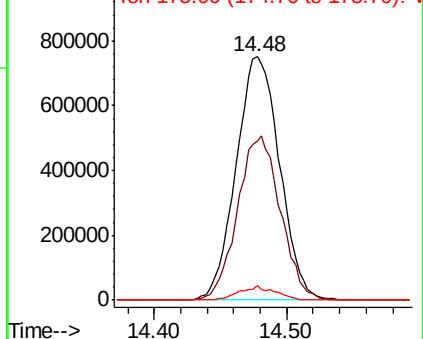
175 4.9 3.8 5.8

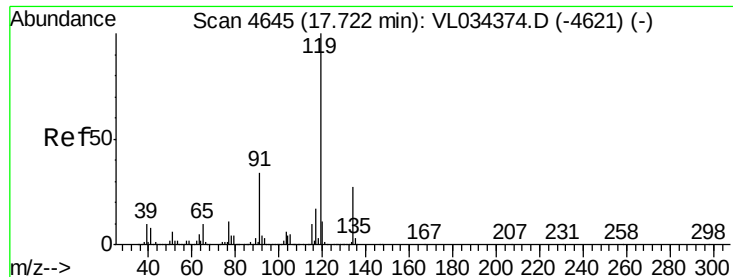


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 9.141 ppbv

RT: 17.72 min Scan# 4644

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

ClientSampleId :

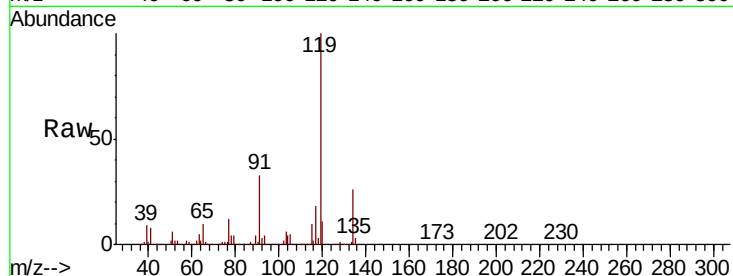
Tot Ion:119 Resp: 3474261

Ion Ratio Lower Upper

119 100

134 25.9 20.6 31.0

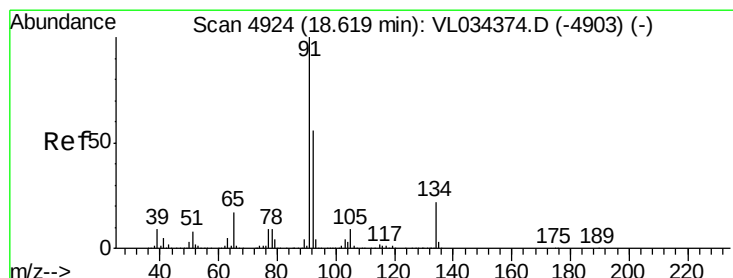
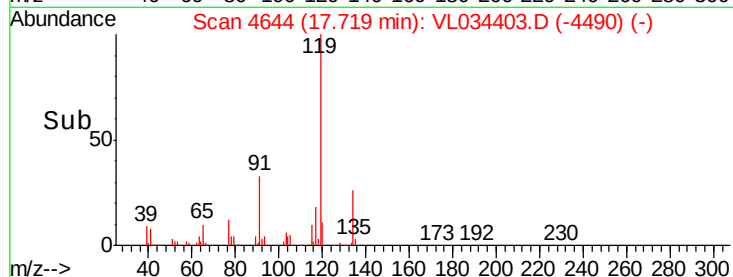
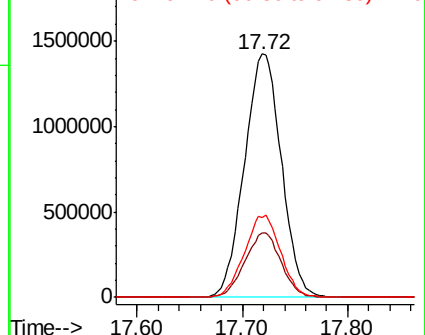
91 33.2 26.3 39.5



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: 4.700 ppbv

RT: 18.62 min Scan# 4924

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

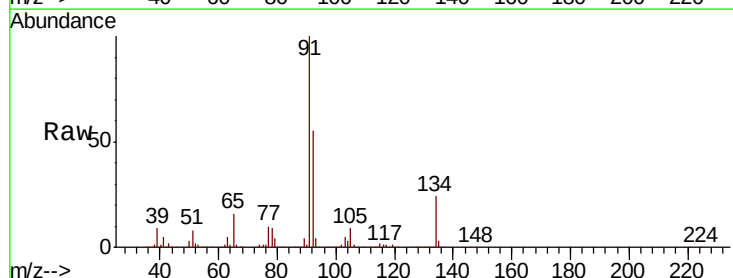
Tgt Ion: 91 Resp: 1922136

Ion Ratio Lower Upper

91 100

92 0.0 43.8 65.6#

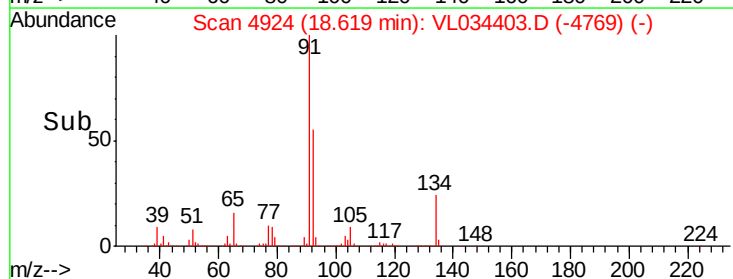
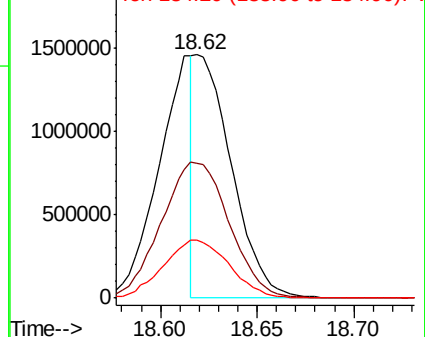
134 43.3 17.9 26.9#

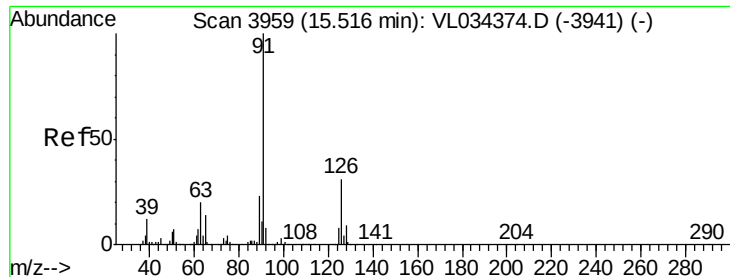


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.219 ppbv

RT: 15.52 min Scan# 3959

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

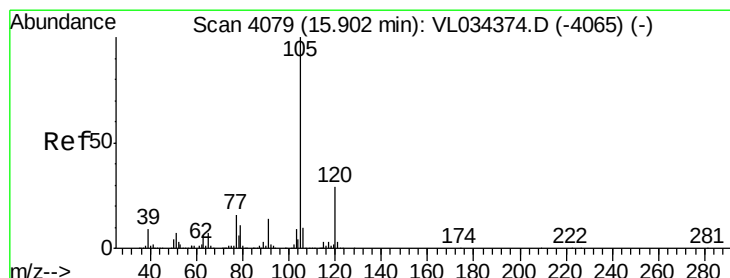
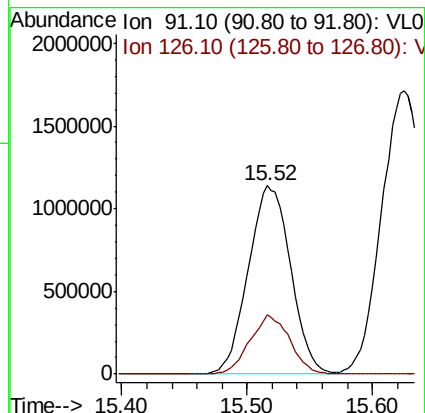
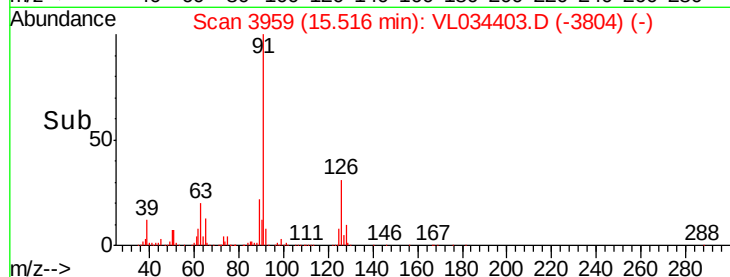
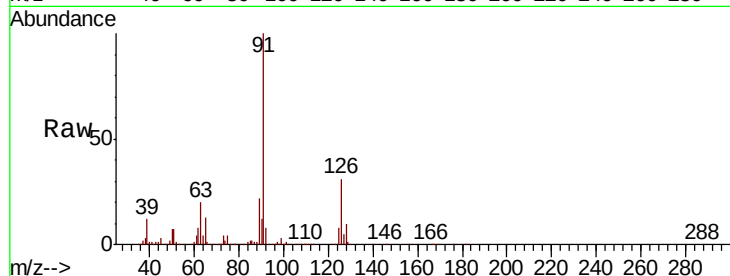
ClientSampleId :

Tot Ion: 91 Resp: 2679121

Ion Ratio Lower Upper

91 100

126 29.6 11.8 47.4



#72

4-Ethyltoluene

Concen: 9.452 ppbv

RT: 15.90 min Scan# 4079

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Tgt Ion:105 Resp: 3009643

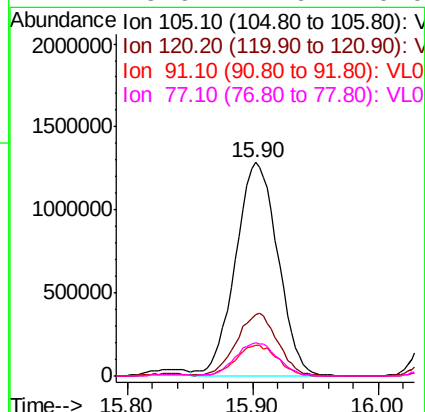
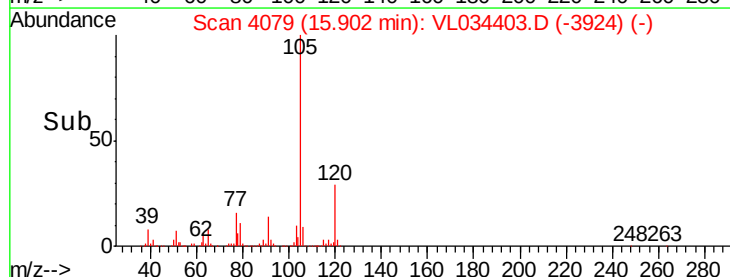
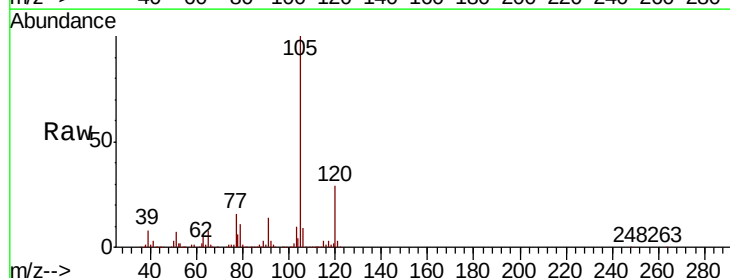
Ion Ratio Lower Upper

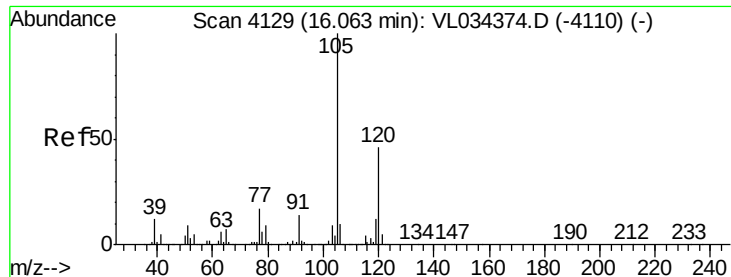
105 100

120 28.6 23.5 35.3

91 14.3 11.4 17.0

77 15.6 12.6 19.0





#73

1,3,5-Trimethylbenzene

Concen: 9.194 ppbv

RT: 16.06 min Scan# 4129

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Instrument :

MSVOA_L

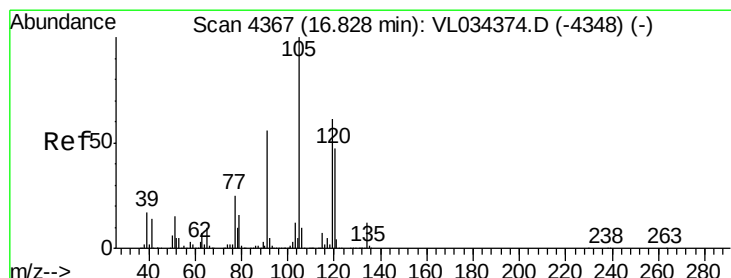
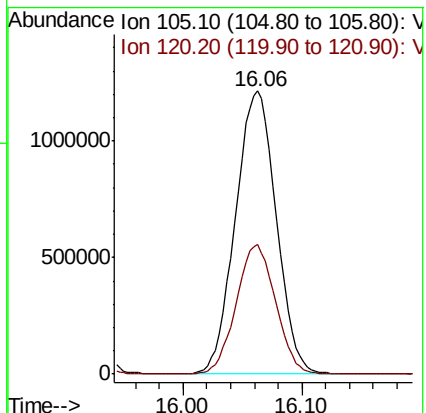
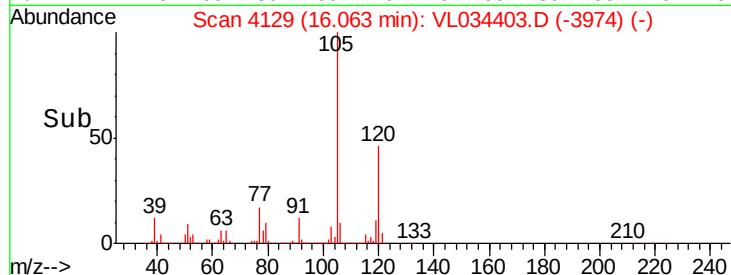
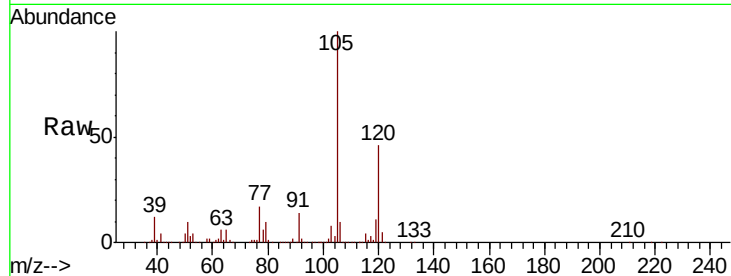
ClientSampleId :

Tot Ion:105 Resp: 2865550

Ion Ratio Lower Upper

105 100

120 45.9 37.1 55.7



#74

1,2,4-Trimethylbenzene

Concen: 8.914 ppbv

RT: 16.83 min Scan# 4367

Delta R.T. -0.00 min

Lab File: VL034403.D

Acq: 25 Nov 2019 12:25

Tgt Ion:105 Resp: 2951420

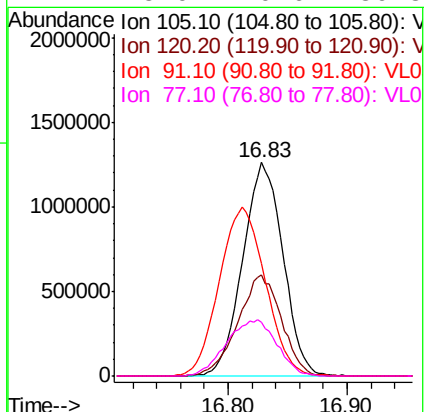
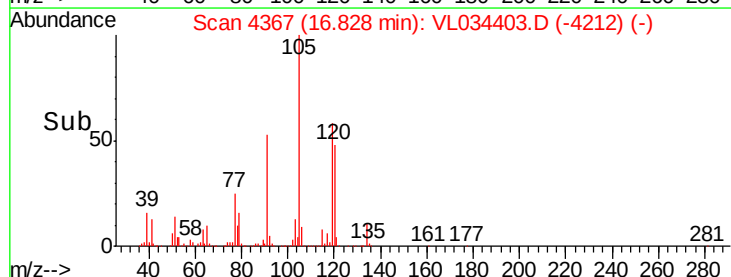
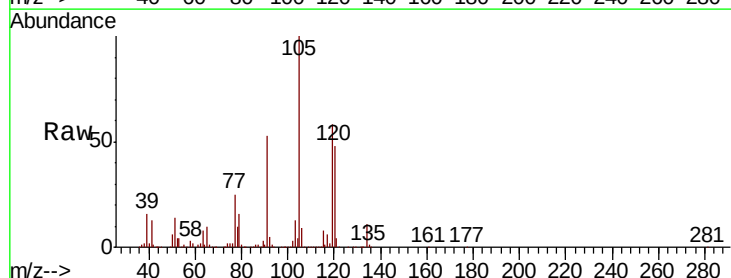
Ion Ratio Lower Upper

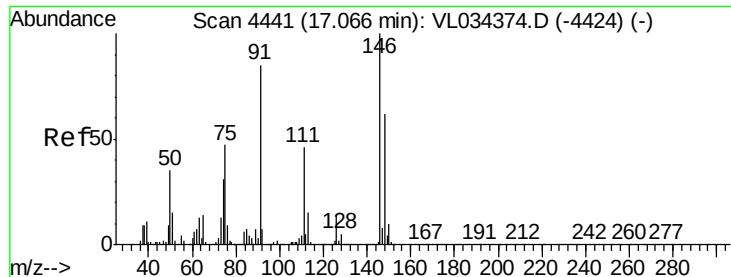
105 100

120 47.5 37.4 56.0

91 52.6 46.3 69.5

77 25.0 20.6 30.8

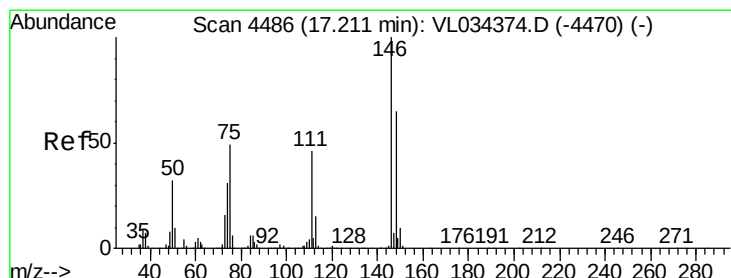
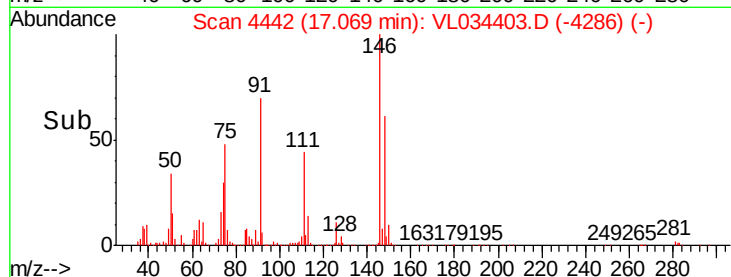
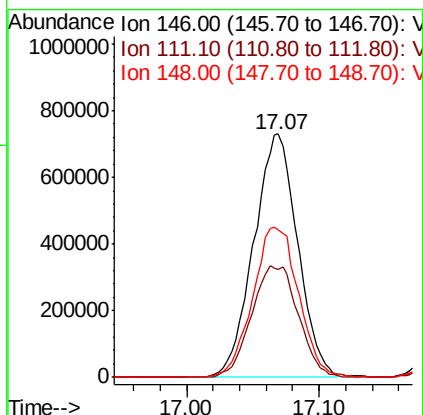
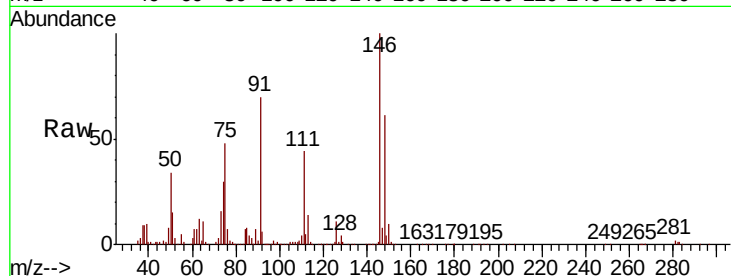




#75
 1,3-Dichlorobenzene
 Concen: 8.864 ppbv
 RT: 17.07 min Scan# 4442
 Delta R.T. 0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

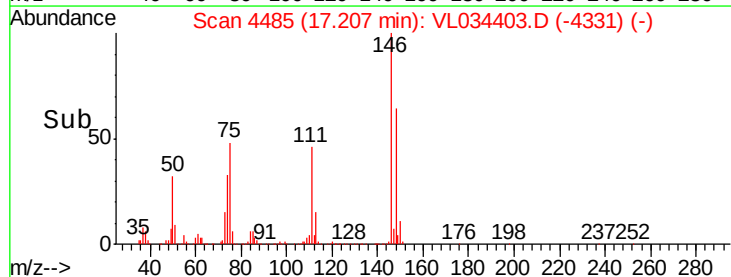
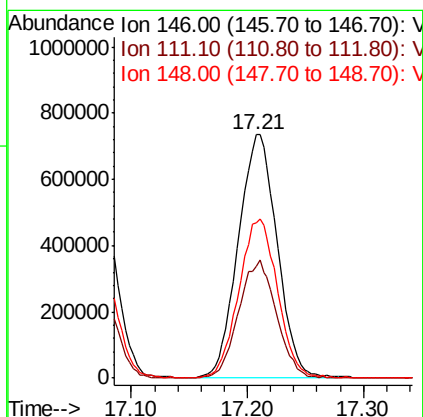
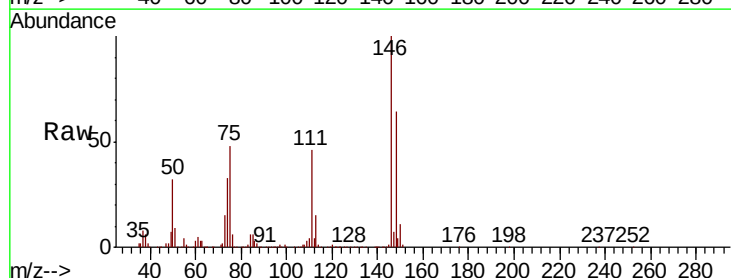
Instrument :
 MSVOA_L
 ClientSampled :

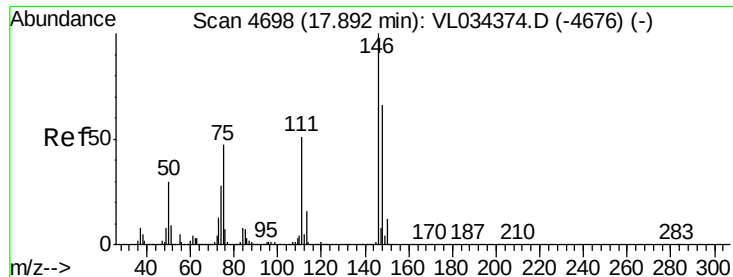
Tot Ion:146 Resp: 1686932
 Ion Ratio Lower Upper
 146 100
 111 49.1 24.4 73.4
 148 64.5 32.4 97.0



#76
 1,4-Dichlorobenzene
 Concen: 9.203 ppbv
 RT: 17.21 min Scan# 4485
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Tgt Ion:146 Resp: 1700669
 Ion Ratio Lower Upper
 146 100
 111 47.4 24.1 72.3
 148 65.9 32.9 98.6

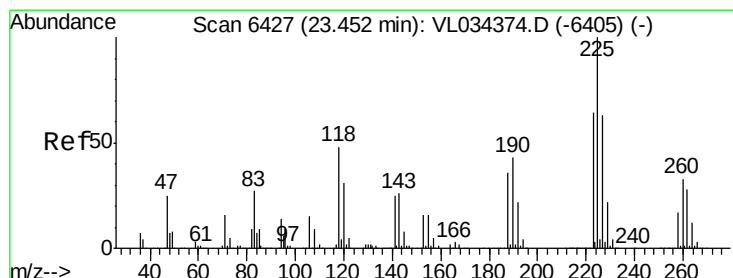
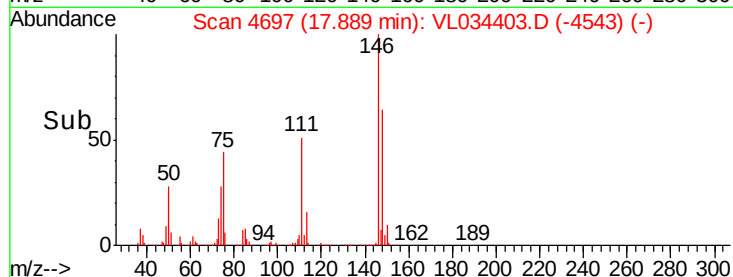
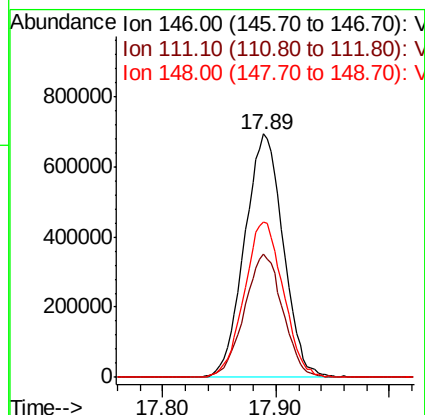
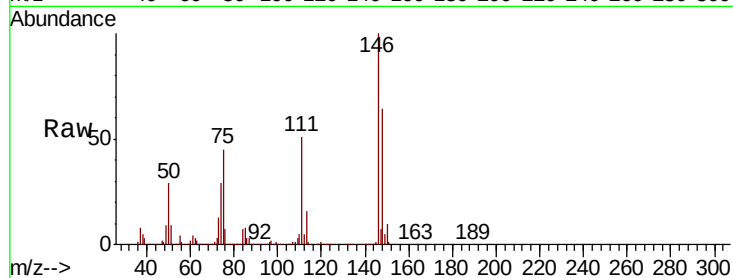




#77
 1,2-Dichlorobenzene
 Concen: 8.950 ppbv
 RT: 17.89 min Scan# 4697
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

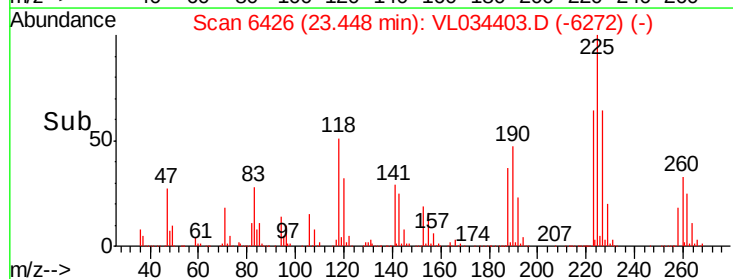
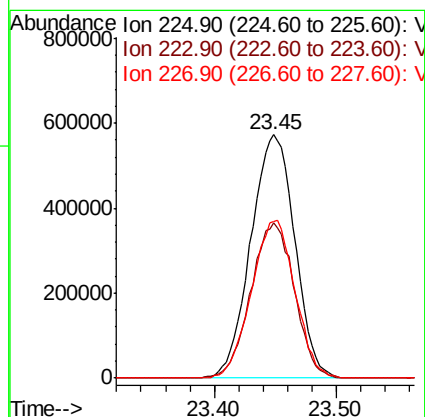
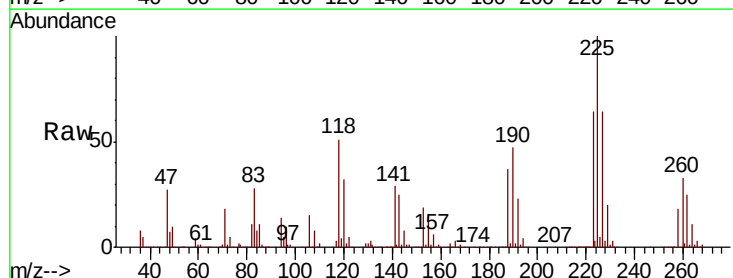
Instrument :
 MSVOA_L
 ClientSampled :

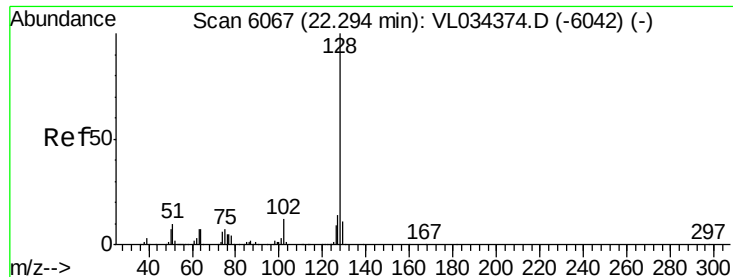
Tot Ion:146 Resp: 1645135
 Ion Ratio Lower Upper
 146 100
 111 50.4 25.0 75.0
 148 64.5 32.7 98.1



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.067 ppbv
 RT: 23.45 min Scan# 6426
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Tgt Ion:225 Resp: 1431958
 Ion Ratio Lower Upper
 225 100
 223 63.1 50.2 75.2
 227 64.0 51.5 77.3

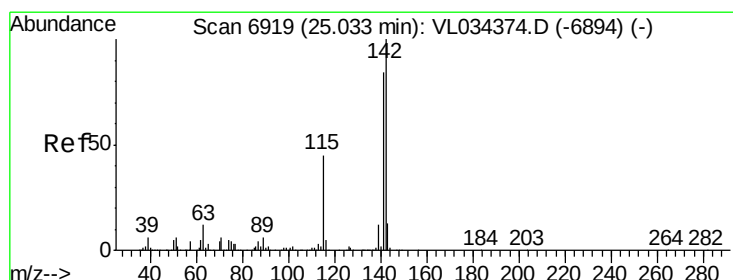
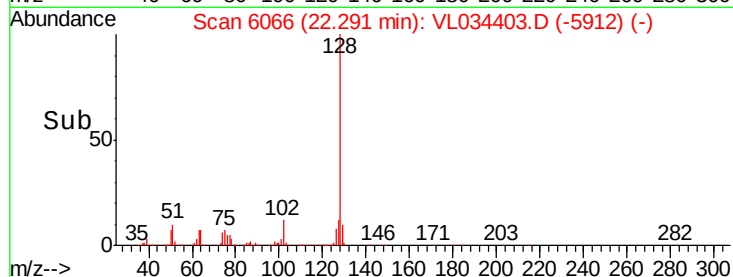
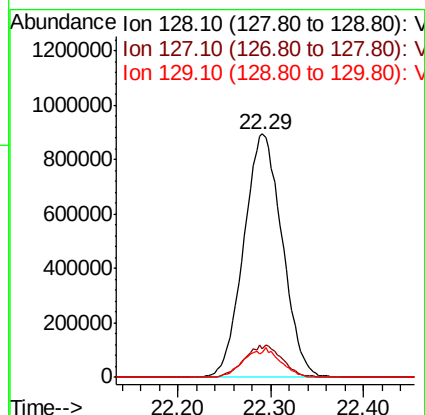
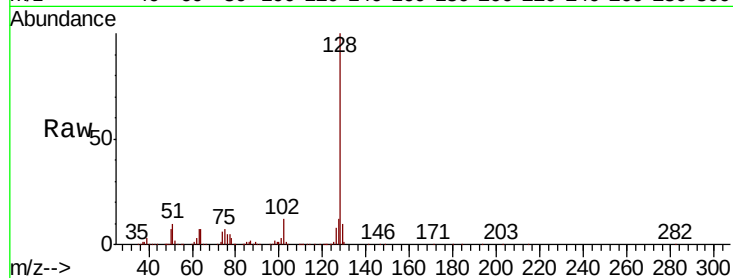




#79
Naphthalene
Concen: 8.989 ppbv
RT: 22.29 min Scan# 6066
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

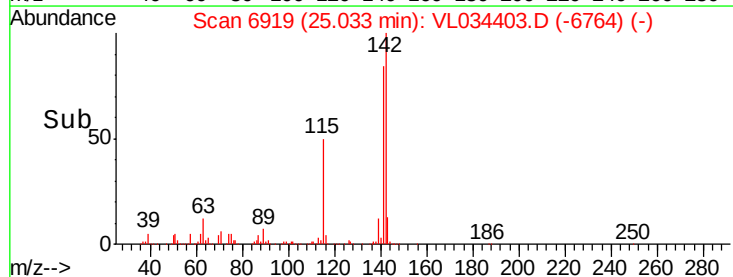
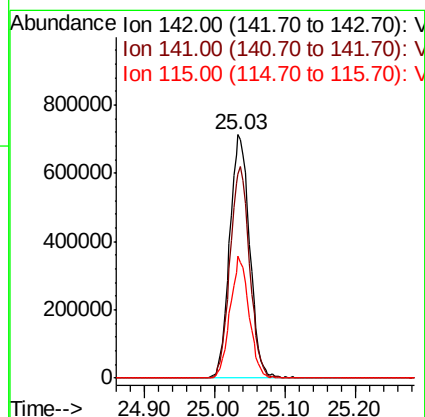
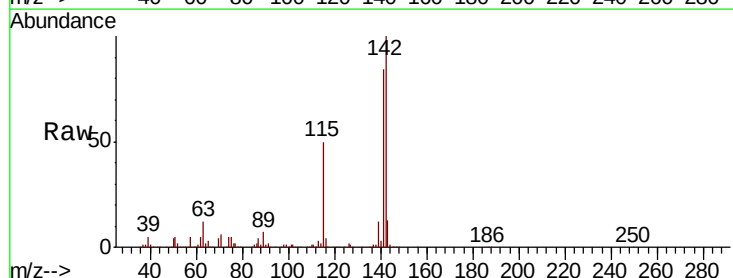
Instrument :
MSVOA_L
ClientSampleId :

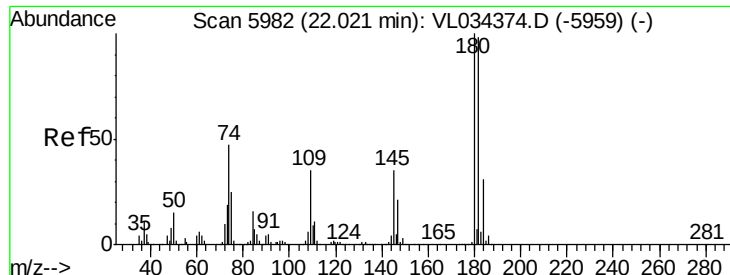
Tot Ion:128 Resp: 2579979
Ion Ratio Lower Upper
128 100
127 11.9 11.0 16.6
129 10.4 8.9 13.3



#80
Naphthalene, 2-methyl-
Concen: 10.972 ppbv
RT: 25.03 min Scan# 6919
Delta R.T. -0.00 min
Lab File: VL034403.D
Acq: 25 Nov 2019 12:25

Tgt Ion:142 Resp: 1422010
Ion Ratio Lower Upper
142 100
141 85.0 67.1 100.7
115 47.4 36.6 54.8





#81
 1,2,4-Trichlorobenzene
 Concen: 8.810 ppbv
 RT: 22.02 min Scan# 5981
 Delta R.T. -0.00 min
 Lab File: VL034403.D
 Acq: 25 Nov 2019 12:25

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1553470
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.8 115.2
 184 31.3 24.9 37.3

