

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101619\
 Data File : VL034307.D
 Acq On : 16 Oct 2019 20:46
 Operator : SY/AP
 Sample : VL1016ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 17 05:23:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 17 05:12:37 2019
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	1149839	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.24	114	2247301	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.18	117	2551925	10.00	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.52	95	2010490	9.30	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1700934	8.581	ppbv 100
3) Chlorodifluoromethane	2.98	51	1281888	9.512	ppbv 99
4) Chloromethane	3.13	50	764477	9.590	ppbv 91
5) Vinyl Chloride	3.25	62	705500	9.281	ppbv 98
6) Bromomethane	3.47	94	360632	9.689	ppbv 98
7) Chloroethane	3.56	64	259800	9.711	ppbv 97
8) Dichlorotetrafluoroethane	3.18	85	1609870	9.372	ppbv 99
9) Propene	3.00	41	575504	9.633	ppbv 96
10) Heptane	8.19	43	1573323	10.260	ppbv 99
11) Trichlorofluoromethane	3.96	101	1780576	9.461	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1202894	9.756	ppbv 98
13) Ethanol	3.61	45	125537	9.385	ppbv 96
14) Bromoethene	3.75	108	490996	10.114	ppbv 98
15) Acetone	3.86	43	1344434	8.175	ppbv 100
16) 1,3-Butadiene	3.32	39	679310	10.165	ppbv 100
17) tert-Butyl alcohol	4.31	59	1204169	11.472	ppbv 100
18) 1,1-Dichloroethene	4.30	96	529434	9.807	ppbv 99
19) Isopropyl Alcohol	3.98	45	1014669	11.059	ppbv 99
20) Methylene Chloride	4.36	84	478009	8.040	ppbv 98
21) Allyl Chloride	4.43	41	936931	10.305	ppbv 99
22) trans-1,2-Dichloroethene	4.91	96	534635	9.929	ppbv 93
23) Vinyl Acetate	5.11	43	2097012	10.210	ppbv # 98
24) 1,1-Dichloroethane	5.04	63	1471250	9.652	ppbv 100
25) Ethyl Acetate	5.72	43	2645760	9.529	ppbv 100
26) Hexane	5.73	57	1133396	9.577	ppbv 99
27) Carbon Disulfide	4.57	76	1389075	11.306	ppbv 97
28) Methyl tert-Butyl Ether	5.06	73	1837517	10.259	ppbv 99
29) Chloroform	5.80	83	1811984	9.679	ppbv 97
30) Cyclohexane	7.19	84	900172	10.342	ppbv 98
31) cis-1,2-Dichloroethene	5.59	61	1211695	10.088	ppbv 96
32) 1,1,1-Trichloroethane	6.56	97	1788448	9.824	ppbv 99
34) 2-Butanone	5.28	43	1808541	9.846	ppbv 100
35) Carbon Tetrachloride	7.08	117	1905880	9.737	ppbv 97
36) Benzene	6.95	78	2129978	9.878	ppbv 99
37) 1,2-Dichloroethane	6.36	62	1581315	9.840	ppbv 99
38) Trichloroethene	7.91	130	825364	9.539	ppbv 95
39) 1,2-Dichloropropane	7.68	63	900445	9.698	ppbv 98
40) 1,4-Dioxane	7.89	88	327521	10.038	ppbv # 1
41) Tetrahydrofuran	6.09	42	1029874	10.102	ppbv 98
42) Bromodichloromethane	7.86	83	1990603	10.113	ppbv 98
43) Methyl Methacrylate	8.08	69	932588	10.457	ppbv 99

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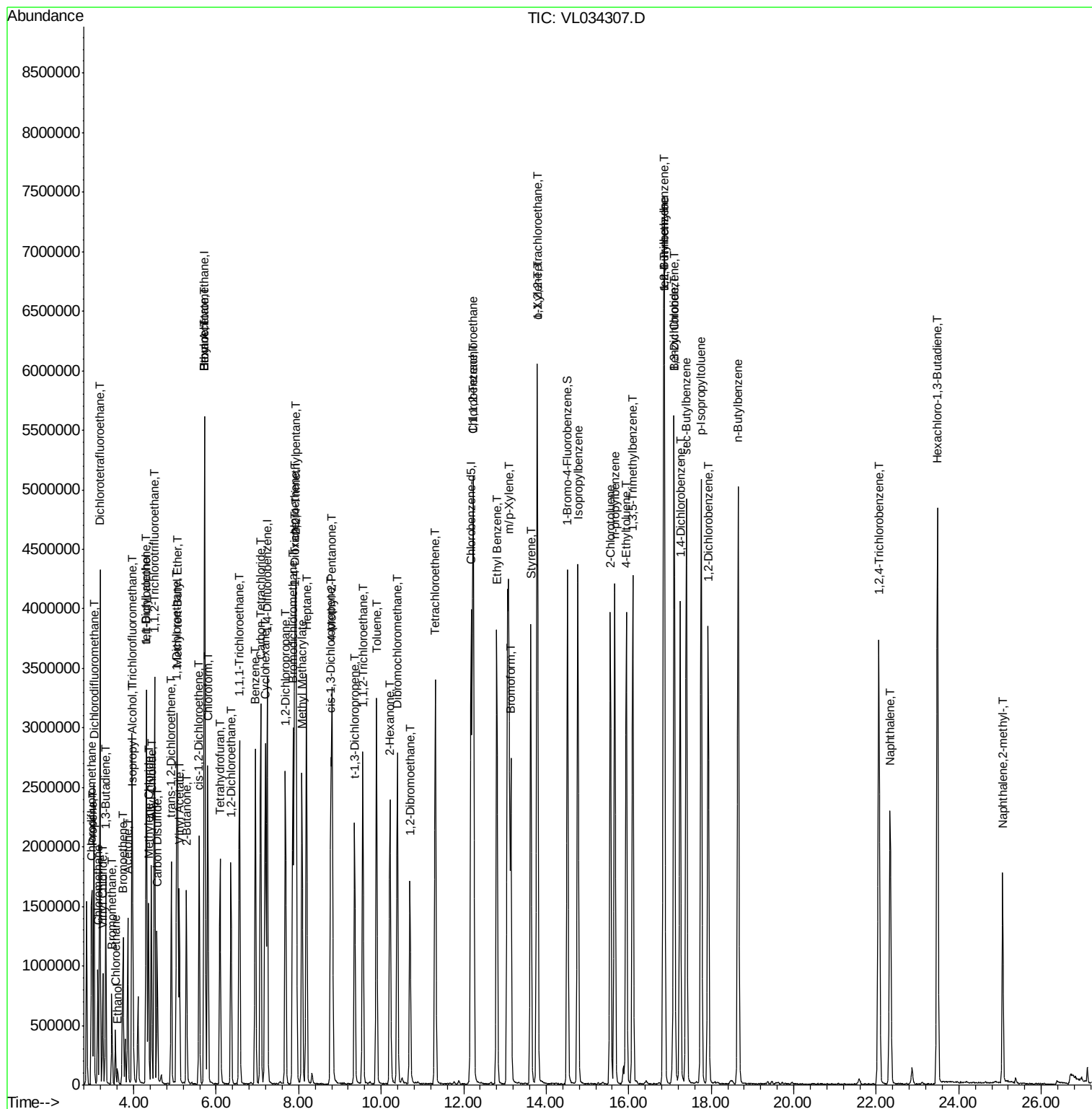
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.93	57	3854984	9.659	ppbv	99
45) t-1,3-Dichloropropene	9.36	75	1271336	11.701	ppbv	98
46) cis-1,3-Dichloropropene	8.78	75	1417880	11.359	ppbv	98
47) 1,1,2-Trichloroethane	9.56	97	906011	9.634	ppbv	97
48) Dibromochloromethane	10.39	129	1664967	10.792	ppbv	99
49) Bromoform	13.14	173	1503736	11.000	ppbv	99
50) 4-Methyl-2-Pentanone	8.81	43	2686325	10.215	ppbv	100
51) 2-Hexanone	10.21	43	2294508	10.644	ppbv #	99
52) Tetrachloroethene	11.31	164	795050	9.407	ppbv	97
53) Toluene	9.89	91	2444609	10.273	ppbv	100
54) 1,2-Dibromoethane	10.70	107	1417387	10.169	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.22	131	1088815	9.258	ppbv	96
57) Chlorobenzene	12.24	112	1890223	8.879	ppbv	97
58) Ethyl Benzene	12.80	91	3409006	9.556	ppbv	96
59) m/p-Xylene	13.09	91	3105783	10.048	ppbv #	32
60) o-Xylene	13.79	91	2850286	9.261	ppbv	100
61) Styrene	13.63	104	2168250	10.007	ppbv	99
62) Isopropylbenzene	14.77	105	3713279	9.140	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.78	83	2037723	8.239	ppbv	99
64) n-propylbenzene	15.66	120	995634	9.549	ppbv	96
65) tert-Butylbenzene	16.85	119	3328648	9.244	ppbv	100
66) Benzyl Chloride	17.09	91	1698353	11.942	ppbv	99
67) sec-Butylbenzene	17.40	105	4618107	9.113	ppbv	100
69) p-Isopropyltoluene	17.76	119	3885217	9.404	ppbv	99
70) n-Butylbenzene	18.65	91	4122290	9.171	ppbv	99
71) 2-Chlorotoluene	15.56	91	2979894	9.459	ppbv	99
72) 4-Ethyltoluene	15.94	105	3336099	9.643	ppbv	99
73) 1,3,5-Trimethylbenzene	16.10	105	3197549	9.328	ppbv	97
74) 1,2,4-Trimethylbenzene	16.87	105	3314545	9.272	ppbv	96
75) 1,3-Dichlorobenzene	17.10	146	1896986	8.839	ppbv	99
76) 1,4-Dichlorobenzene	17.25	146	1910267	9.112	ppbv	99
77) 1,2-Dichlorobenzene	17.92	146	1897616	9.018	ppbv	99
78) Hexachloro-1,3-Butadiene	23.48	225	1353293	7.775	ppbv	100
79) Naphthalene	22.34	128	2826779	10.825	ppbv	99
80) Naphthalene, 2-methyl-	25.07	142	960506	12.725	ppbv	98
81) 1,2,4-Trichlorobenzene	22.06	180	1729992	10.143	ppbv	99

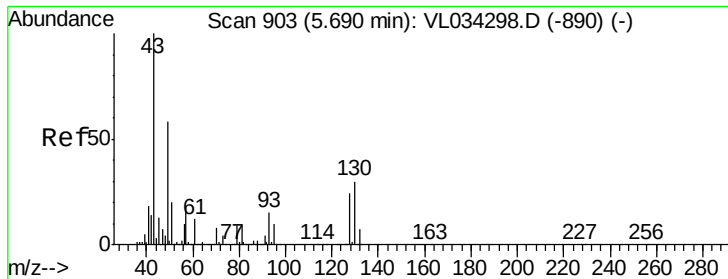
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 min Scan# 909

Delta R.T. 0.02 min

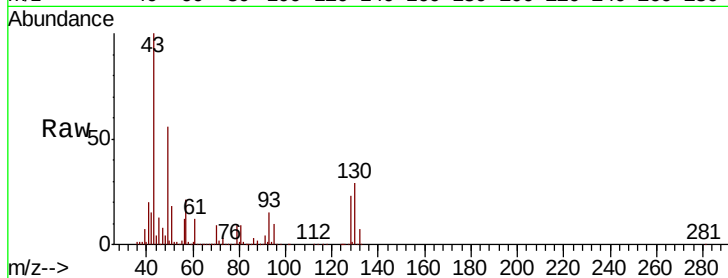
Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1149839

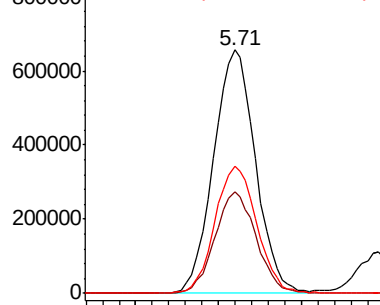
Ion	Ratio	Lower	Upper
49	100		
128	41.1	20.6	61.8
130	52.3	26.2	78.5



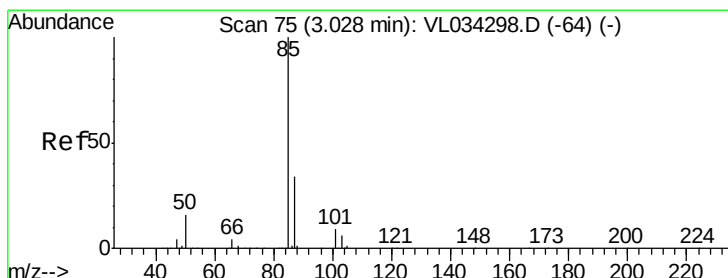
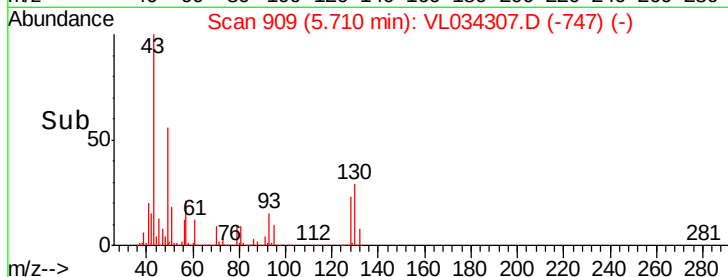
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 8.581 ppbv

RT: 3.04 min Scan# 78

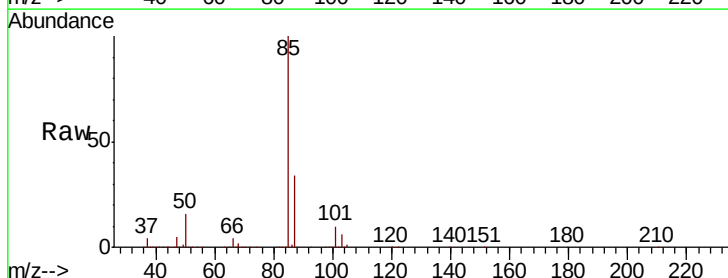
Delta R.T. 0.01 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

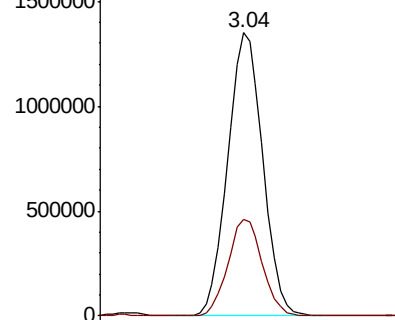
Tgt Ion: 85 Resp: 1700934

Ion	Ratio	Lower	Upper
85	100		
87	34.0	27.0	40.6

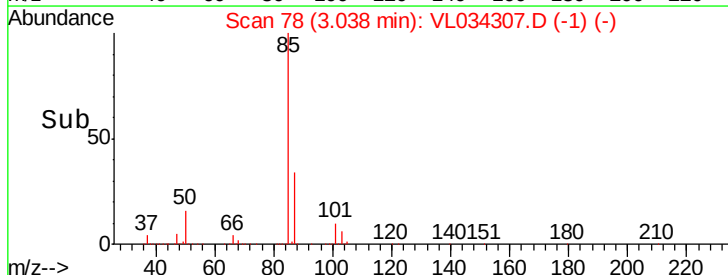


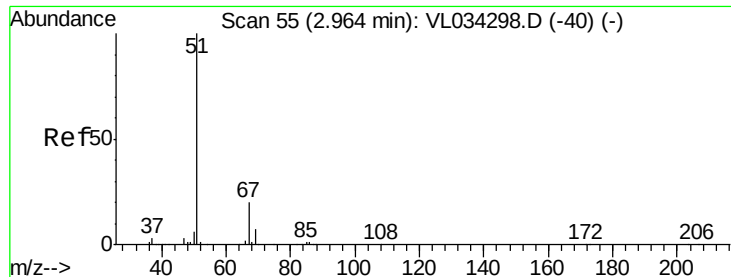
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->





#3

Chlorodifluoromethane

Concen: 9.512 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Instrument :

MSVOA_L

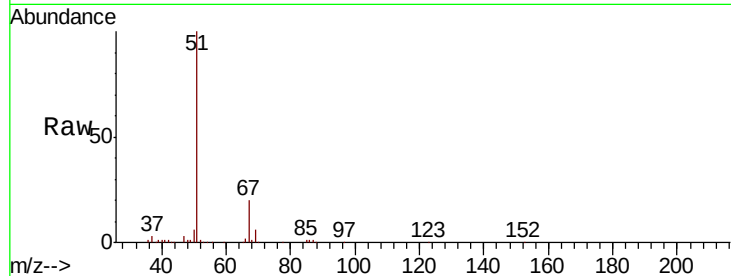
ClientSampled :

Tot Ion: 51 Resp: 1281888

Ion Ratio Lower Upper

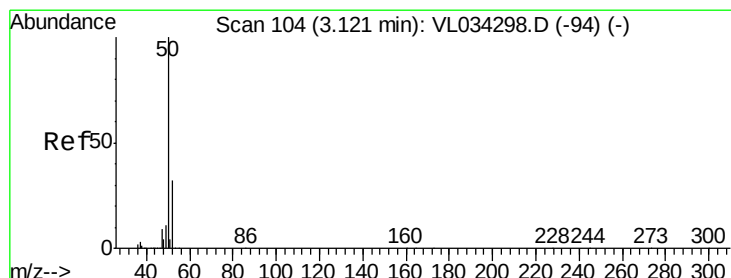
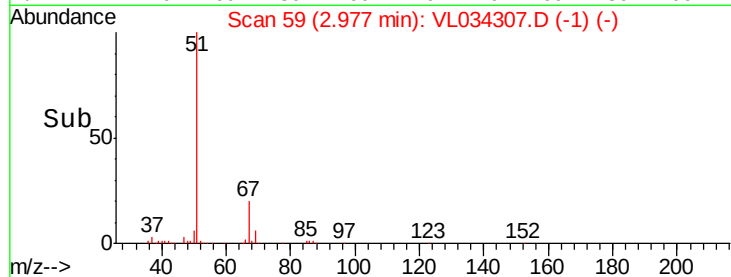
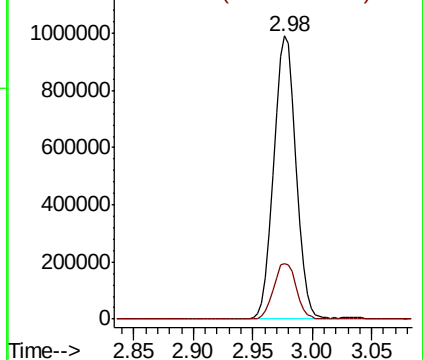
51 100

67 20.1 15.8 23.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.590 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.01 min

Lab File: VL034307.D

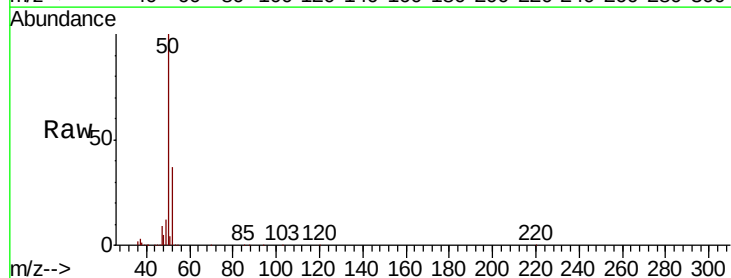
Acq: 16 Oct 2019 20:46

Tgt Ion: 50 Resp: 764477

Ion Ratio Lower Upper

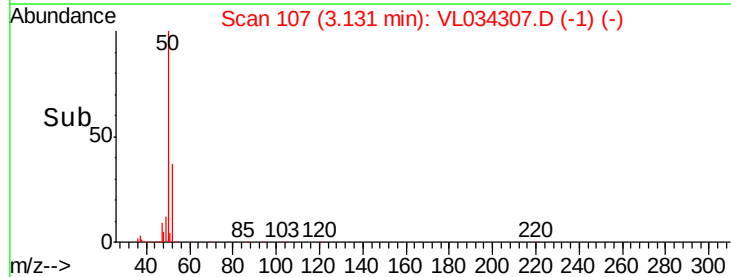
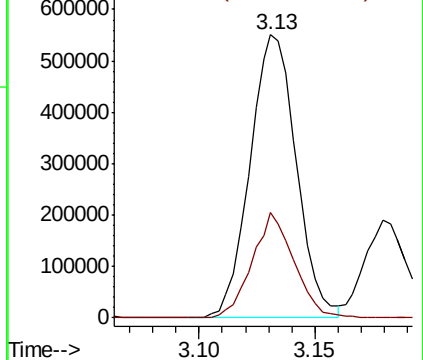
50 100

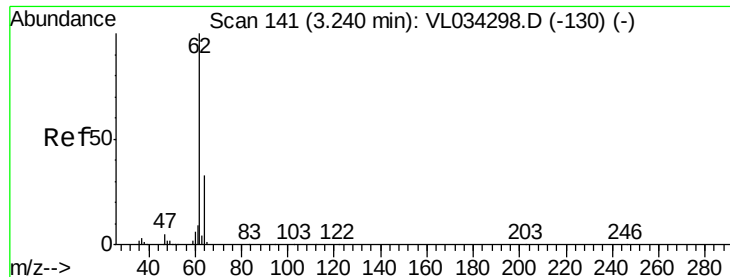
52 37.0 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.281 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.01 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Instrument :

MSVOA_L

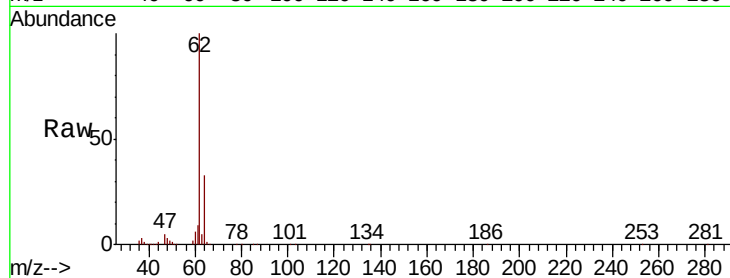
ClientSampleId :

Tot Ion: 62 Resp: 705500

Ion Ratio Lower Upper

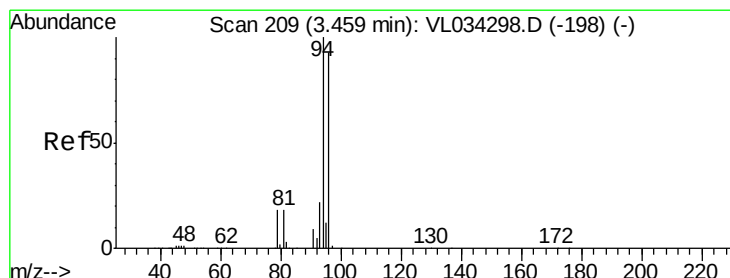
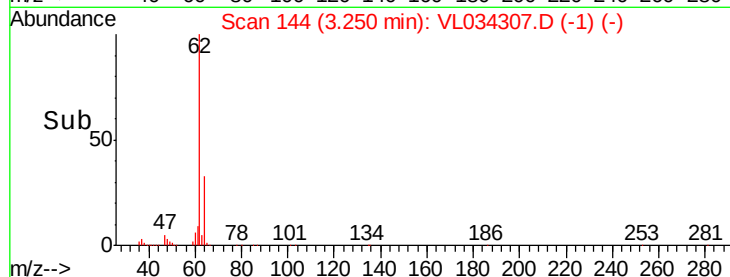
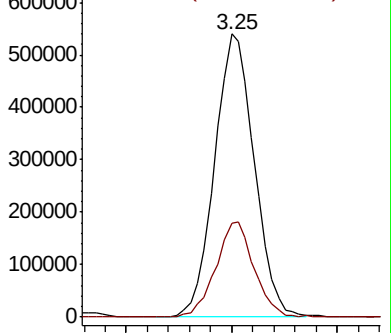
62 100

64 33.4 26.0 39.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.689 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.01 min

Lab File: VL034307.D

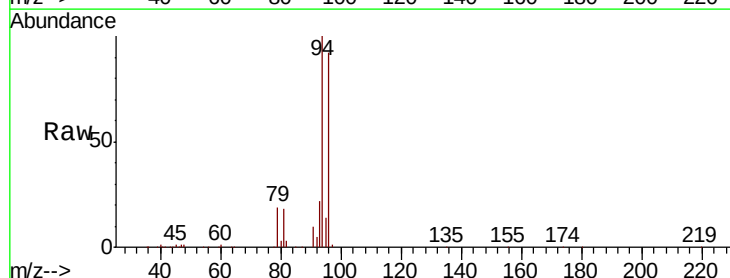
Acq: 16 Oct 2019 20:46

Tgt Ion: 94 Resp: 360632

Ion Ratio Lower Upper

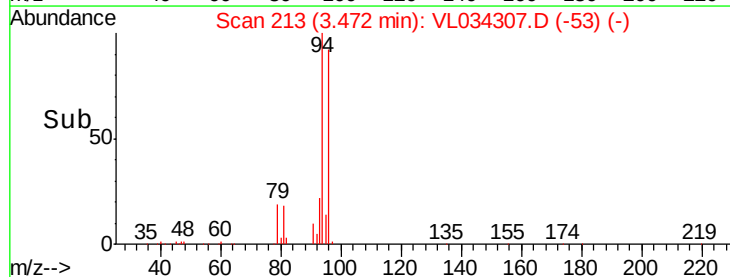
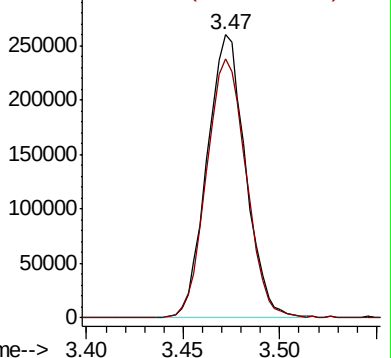
94 100

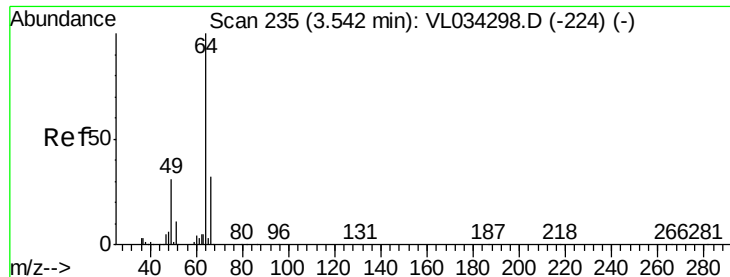
96 91.7 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.711 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.02 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Instrument :

MSVOA_L

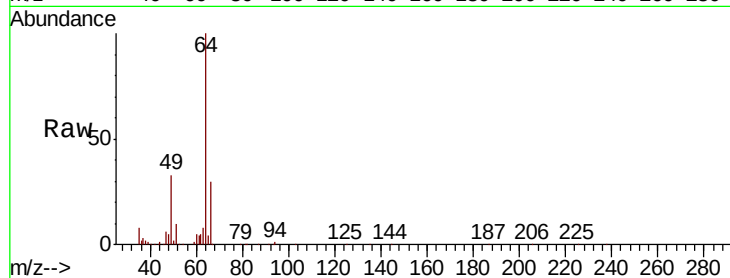
ClientSampleId :

Tot Ion: 64 Resp: 259800

Ion Ratio Lower Upper

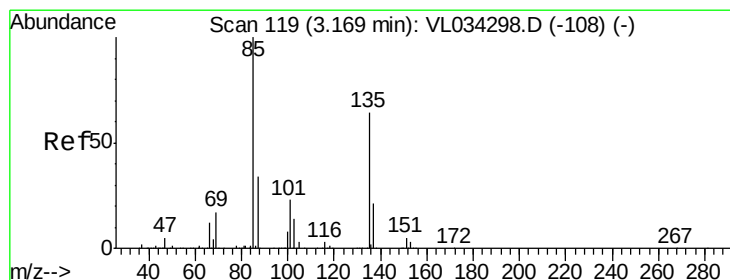
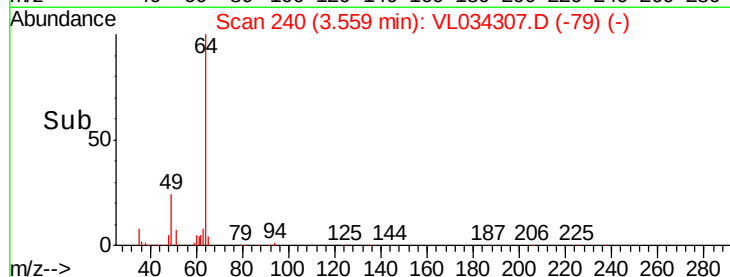
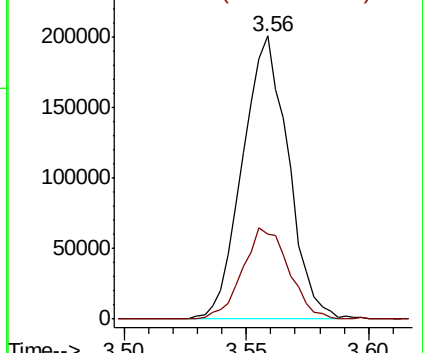
64 100

66 30.1 25.4 38.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.372 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.01 min

Lab File: VL034307.D

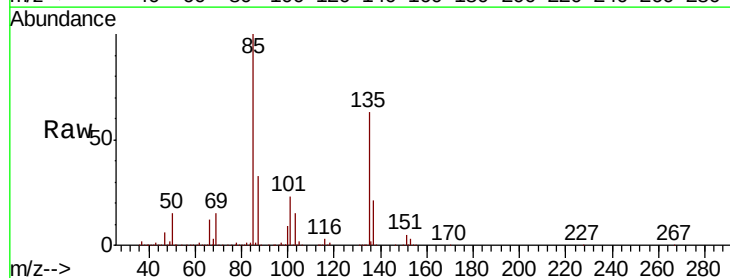
Acq: 16 Oct 2019 20:46

Tgt Ion: 85 Resp: 1609870

Ion Ratio Lower Upper

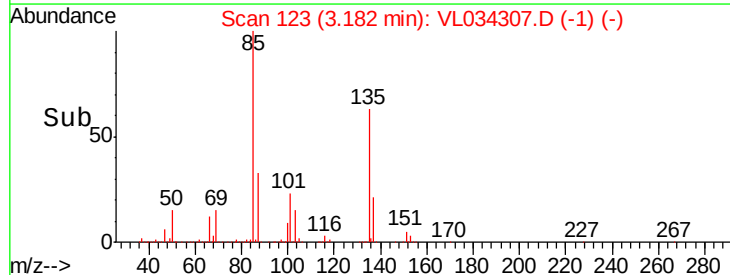
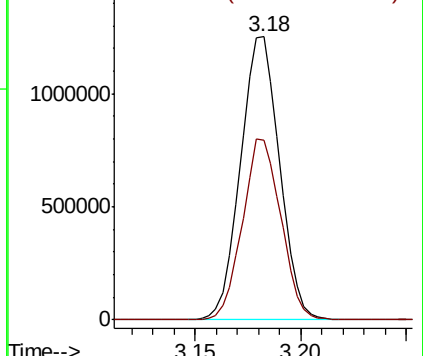
85 100

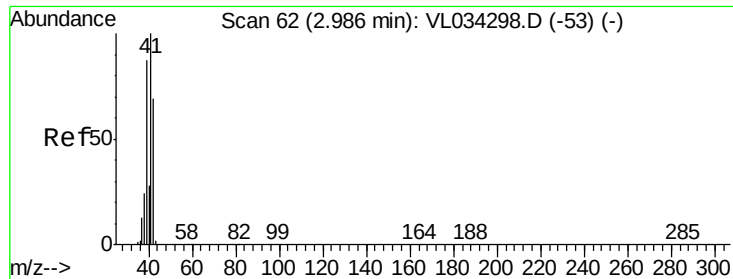
135 63.3 50.2 75.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.633 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.01 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Instrument :

MSVOA_L

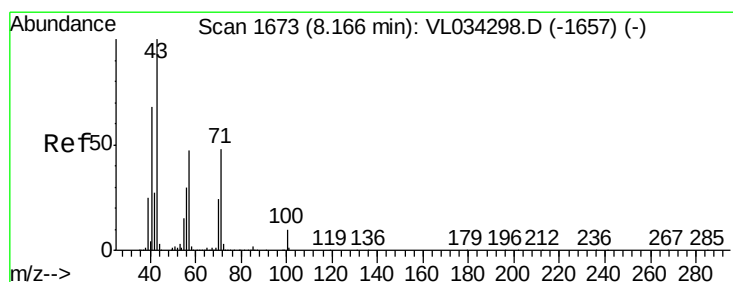
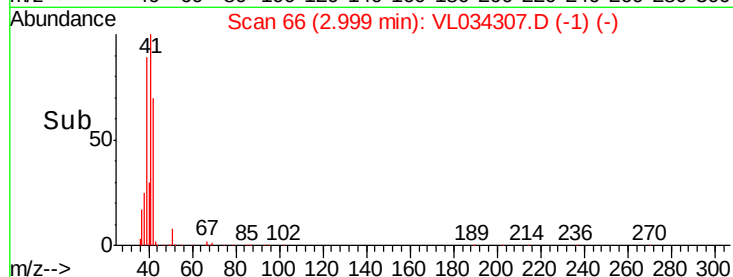
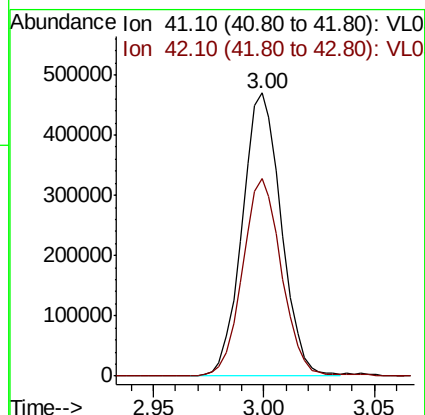
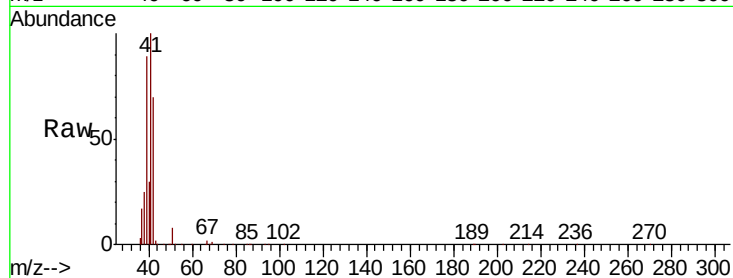
ClientSampleId :

Tot Ion: 41 Resp: 575504

Ion Ratio Lower Upper

41 100

42 70.3 53.9 80.9



#10

Heptane

Concen: 10.260 ppbv

RT: 8.19 min Scan# 1680

Delta R.T. 0.02 min

Lab File: VL034307.D

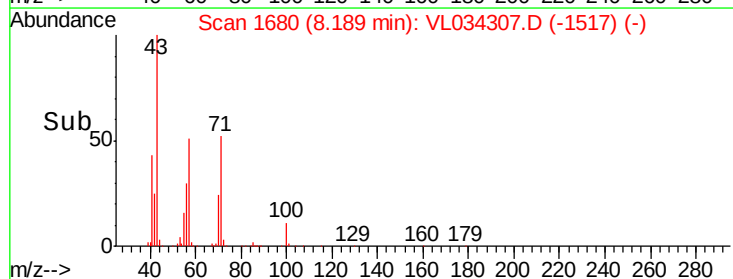
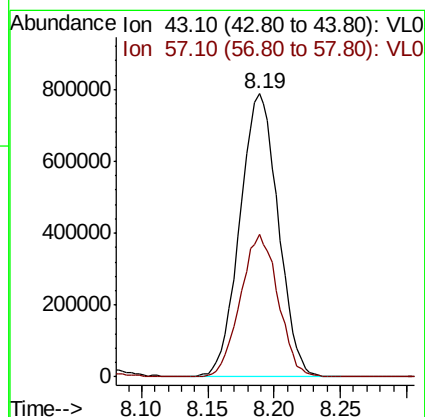
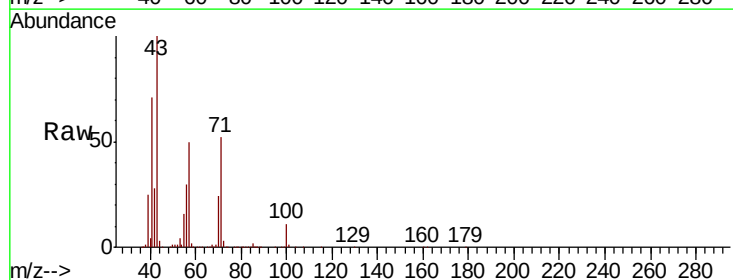
Acq: 16 Oct 2019 20:46

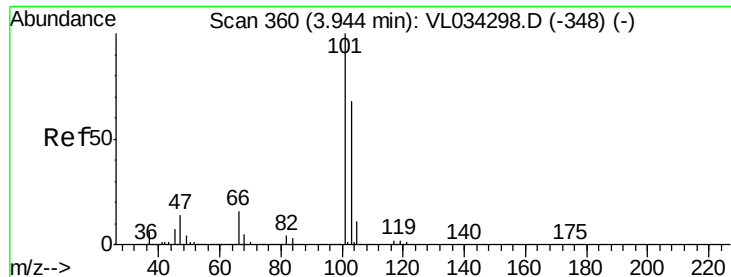
Tgt Ion: 43 Resp: 1573323

Ion Ratio Lower Upper

43 100

57 49.9 39.5 59.3

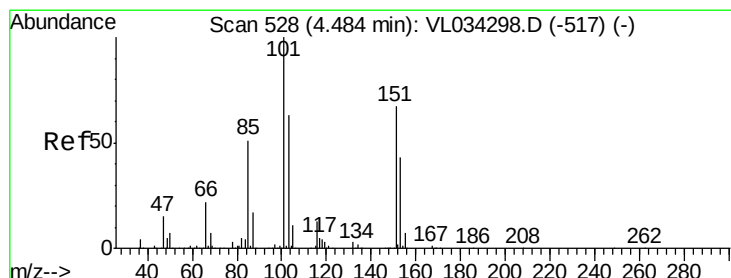
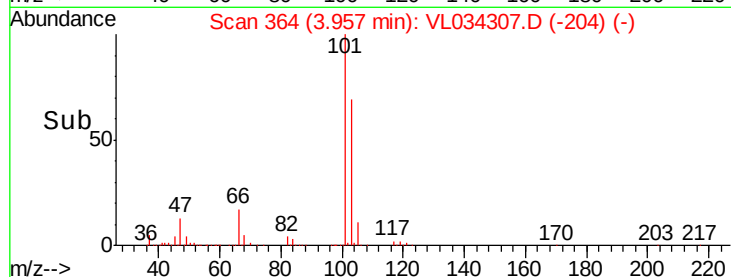
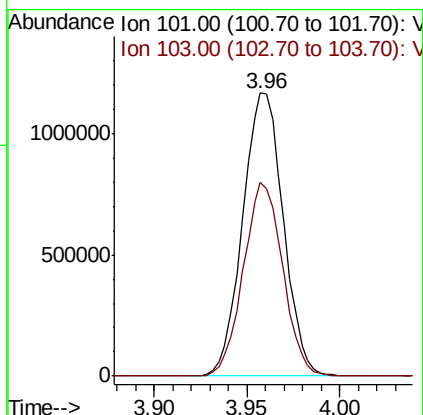
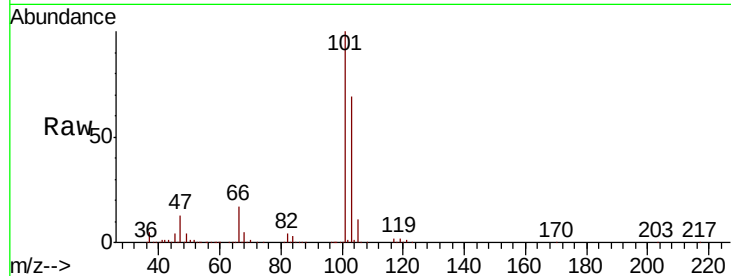




#11
 Trichlorofluoromethane
 Concen: 9.461 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL034307.D
 Acq: 16 Oct 2019 20:46

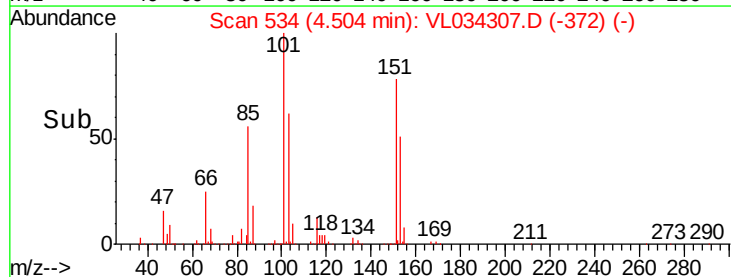
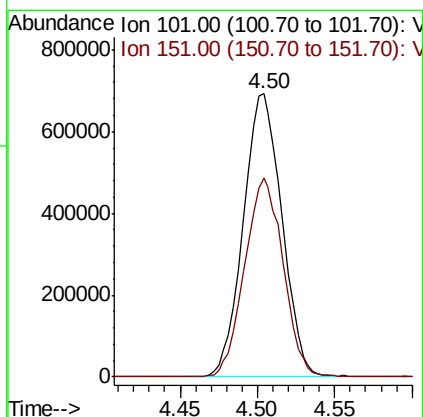
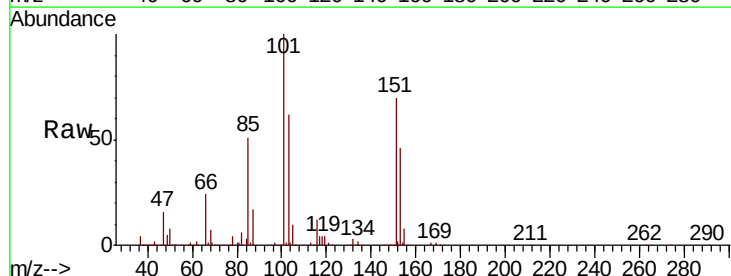
Instrument :
 MSVOA_L
 ClientSampled :

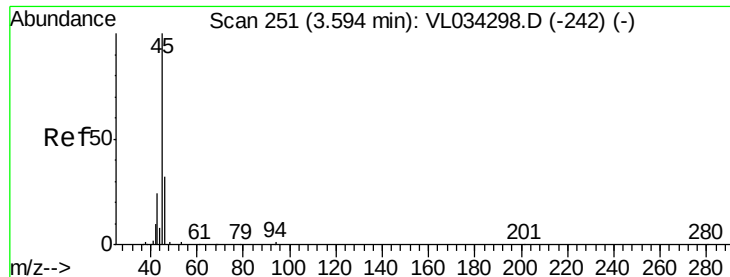
Tot Ion:101 Resp: 1780576
 Ion Ratio Lower Upper
 101 100
 103 68.5 54.5 81.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.756 ppbv
 RT: 4.50 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VL034307.D
 Acq: 16 Oct 2019 20:46

Tgt Ion:101 Resp: 1202894
 Ion Ratio Lower Upper
 101 100
 151 70.0 57.4 86.2

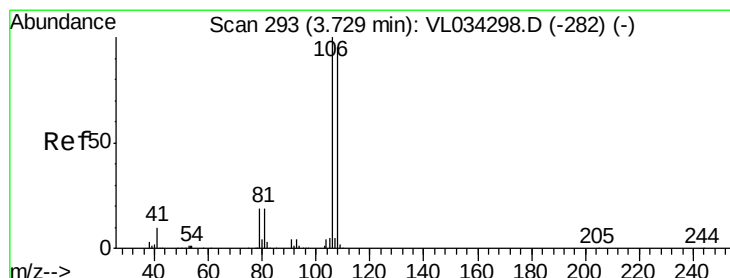
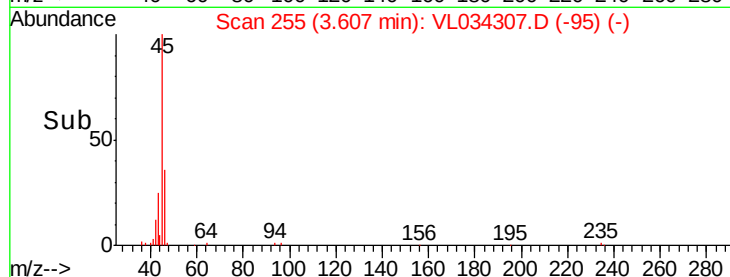
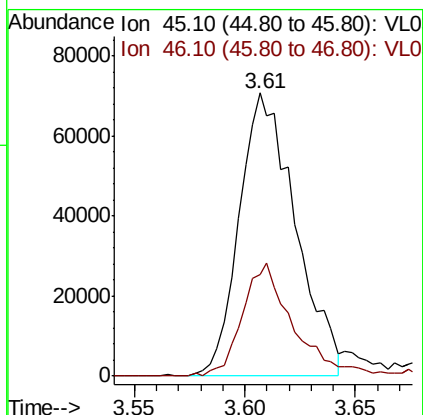
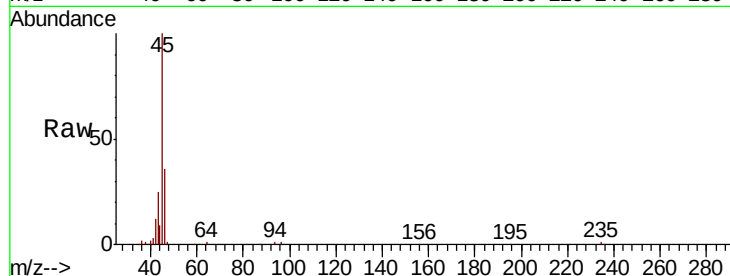




#13
Ethanol
Concen: 9.385 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL034307.D
Acq: 16 Oct 2019 20:46

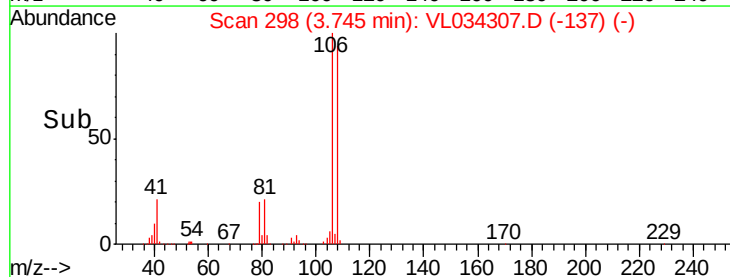
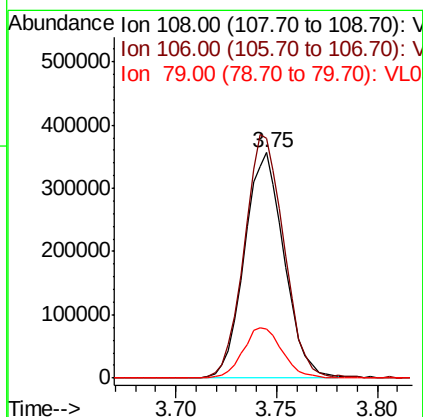
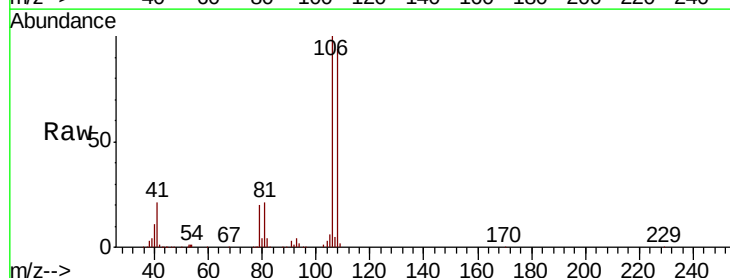
Instrument :
MSVOA_L
ClientSampleId :

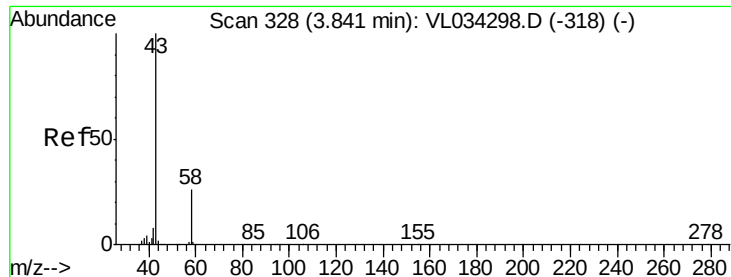
Tot Ion: 45 Resp: 125537
Ion Ratio Lower Upper
45 100
46 37.2 15.8 63.2



#14
Bromoethene
Concen: 10.114 ppbv
RT: 3.75 min Scan# 298
Delta R.T. 0.02 min
Lab File: VL034307.D
Acq: 16 Oct 2019 20:46

Tgt Ion: 108 Resp: 490996
Ion Ratio Lower Upper
108 100
106 108.4 84.8 127.2
79 22.4 17.0 25.4





#15

Acetone

Concen: 8.175 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.02 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Instrument :

MSVOA_L

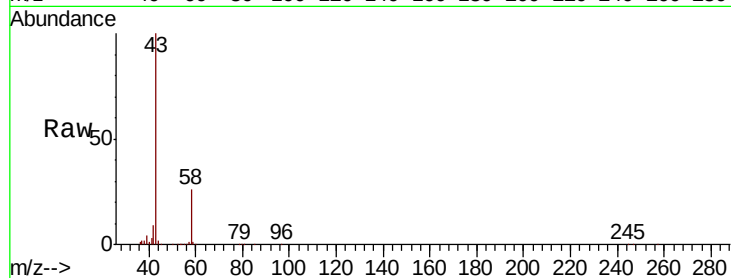
ClientSampleId :

Tot Ion: 43 Resp: 1344434

Ion Ratio Lower Upper

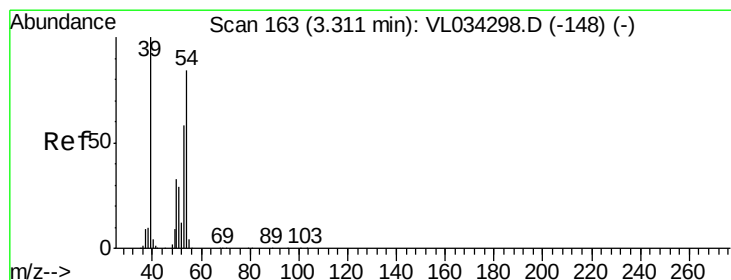
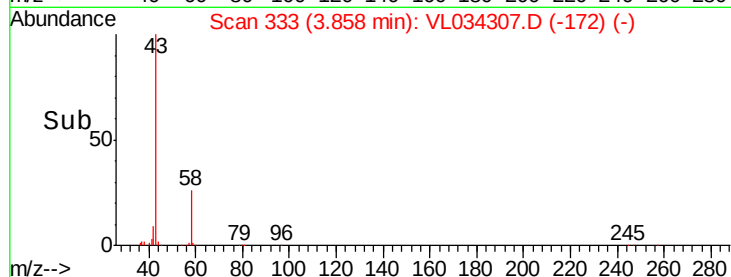
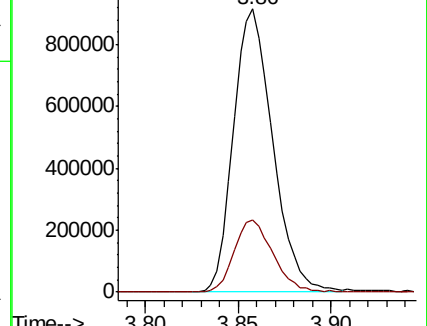
43 100

58 25.5 20.4 30.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.165 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.01 min

Lab File: VL034307.D

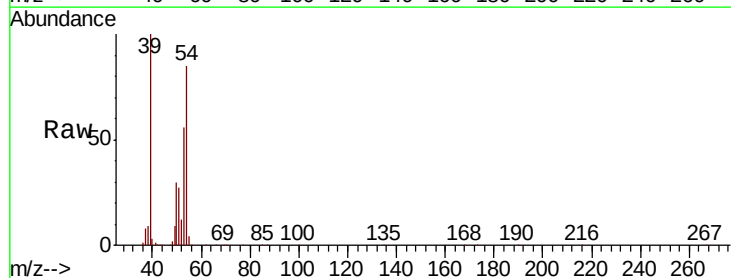
Acq: 16 Oct 2019 20:46

Tgt Ion: 39 Resp: 679310

Ion Ratio Lower Upper

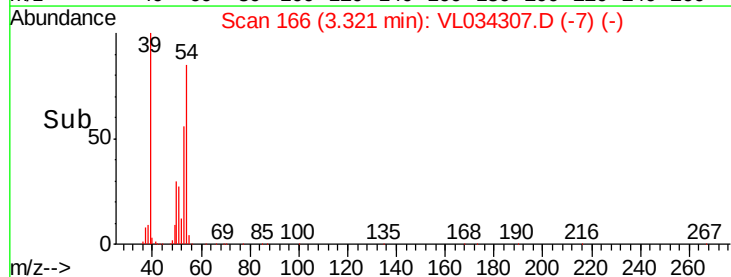
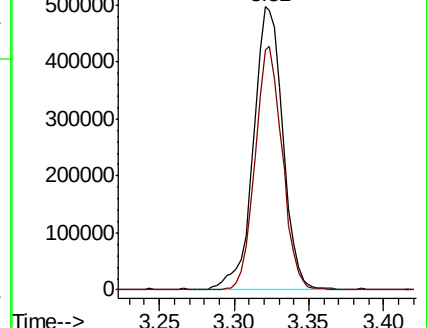
39 100

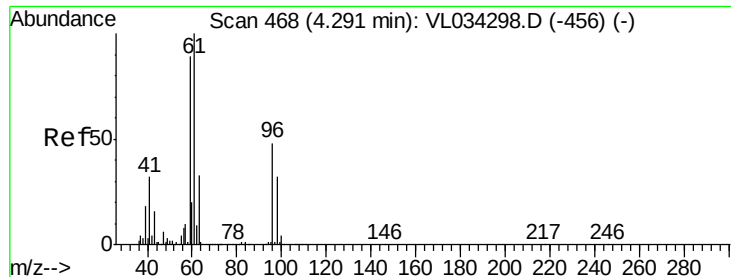
54 79.8 63.9 95.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 11.472 ppbv

RT: 4.31 min Scan# 473

Delta R.T. 0.02 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Instrument :

MSVOA_L

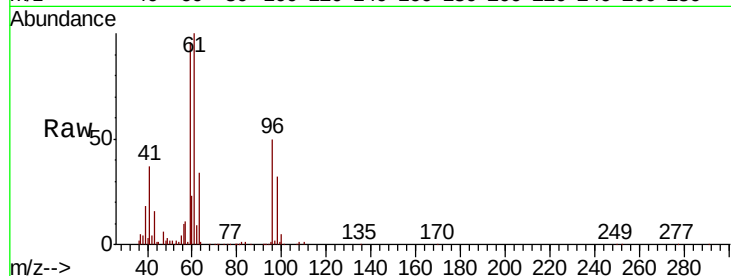
ClientSampled :

Tot Ion: 59 Resp: 1204169

Ion Ratio Lower Upper

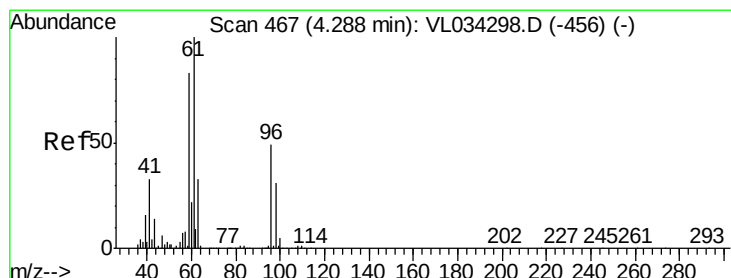
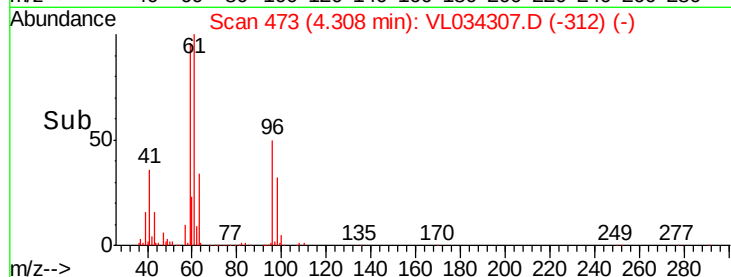
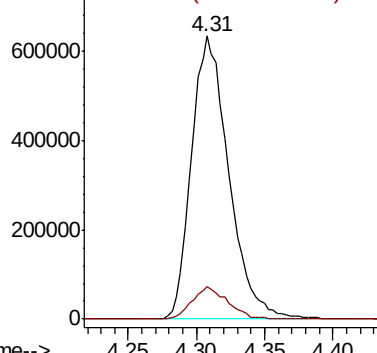
59 100

57 11.1 8.8 13.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.807 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.02 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

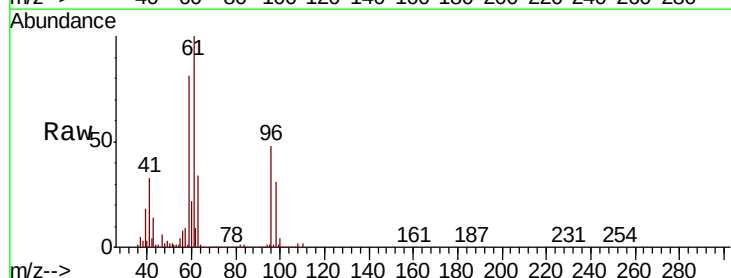
Tgt Ion: 96 Resp: 529434

Ion Ratio Lower Upper

96 100

61 206.6 164.5 246.7

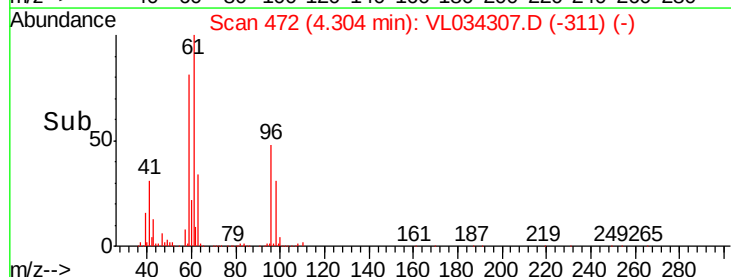
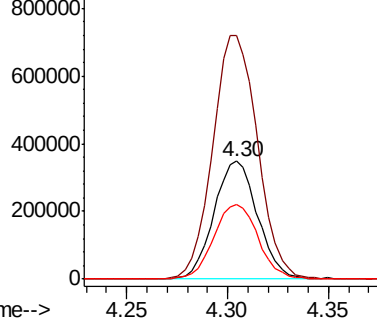
98 63.9 51.7 77.5

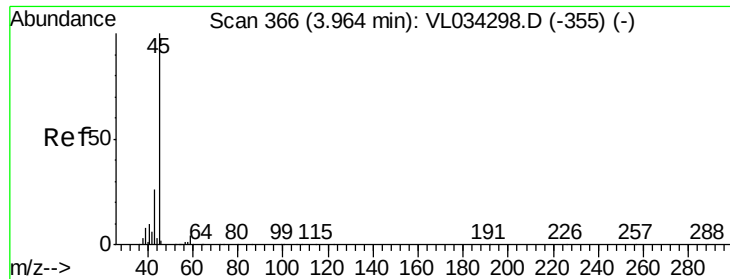


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 11.059 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.02 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Instrument :

MSVOA_L

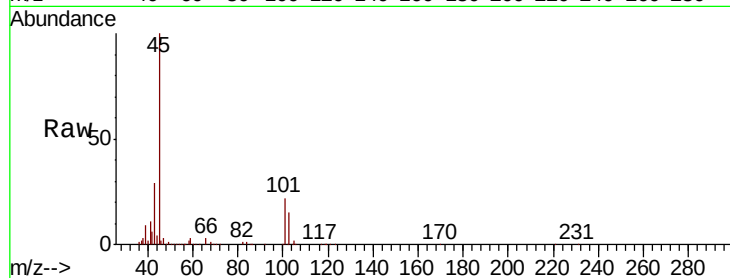
ClientSampleId :

Tot Ion: 45 Resp: 1014669

Ion Ratio Lower Upper

45 100

58 2.0 1.4 2.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.98

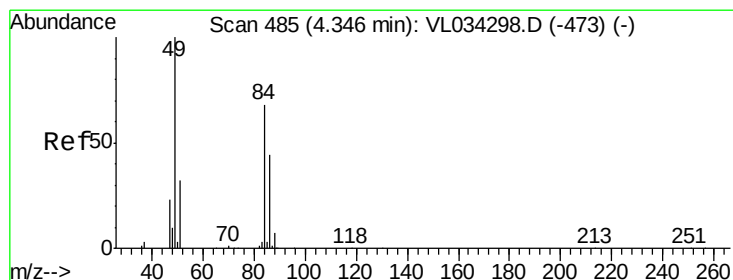
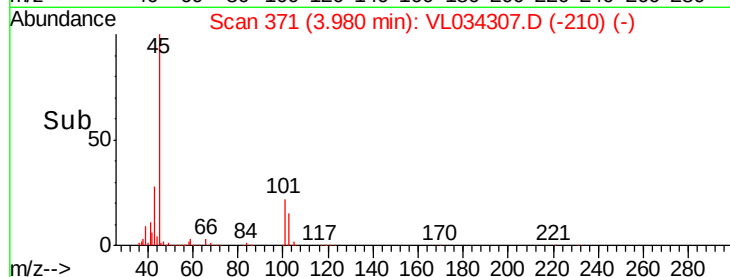
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 8.040 ppbv

RT: 4.36 min Scan# 490

Delta R.T. 0.02 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Tgt Ion: 84 Resp: 478009

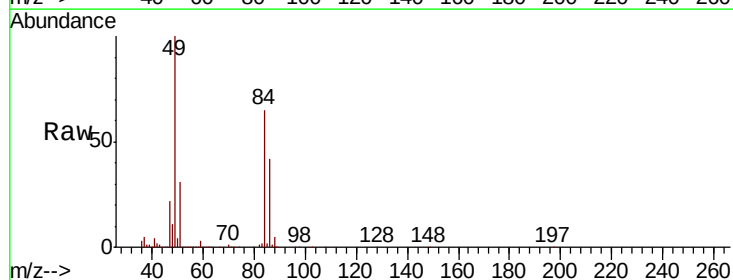
Ion Ratio Lower Upper

84 100

49 152.8 118.5 177.7

51 47.6 38.8 58.2

86 65.0 51.7 77.5



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

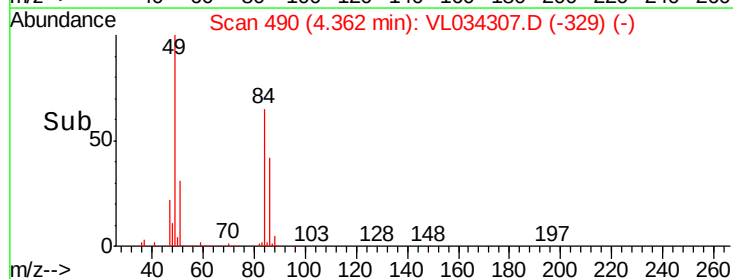
600000

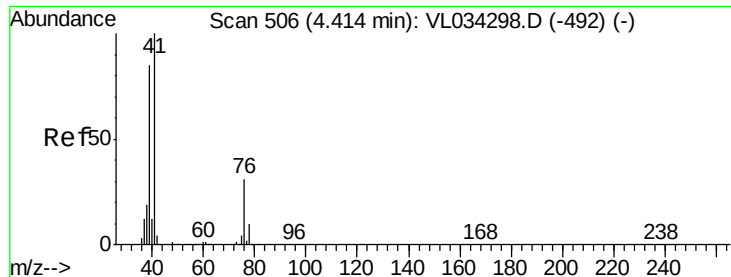
400000

200000

0

Time-->

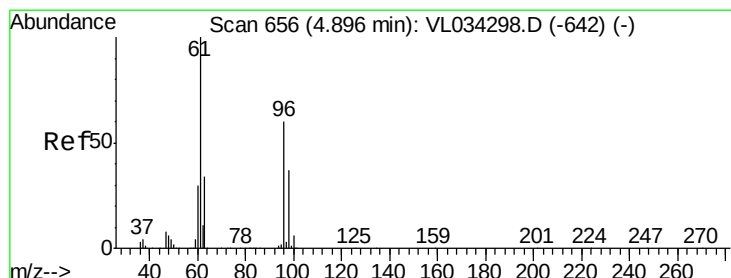
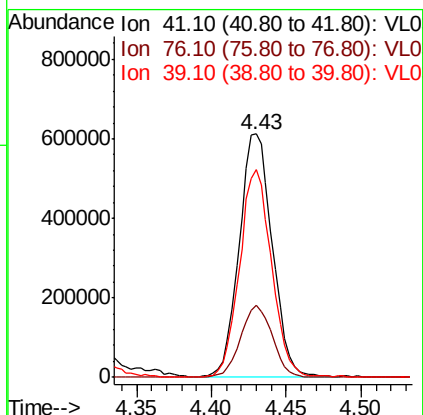
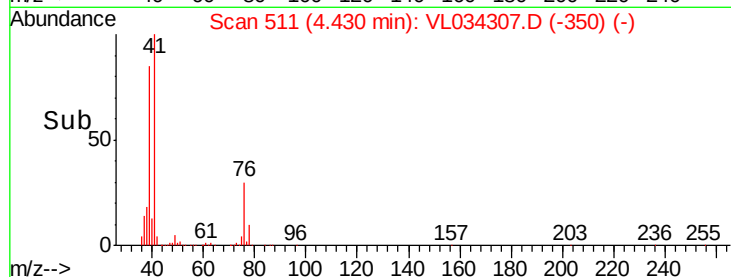
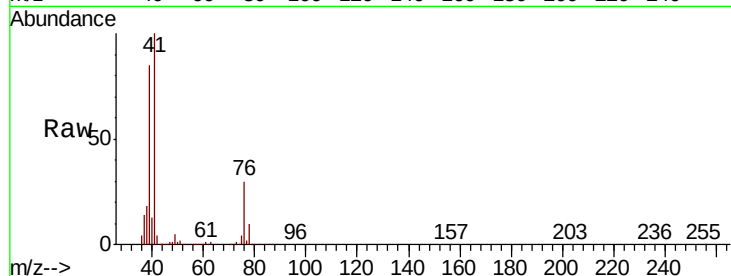




#21
Allvl Chloride
Concen: 10.305 ppbv
RT: 4.43 min Scan# 511
Delta R.T. 0.02 min
Lab File: VL034307.D
Acq: 16 Oct 2019 20:46

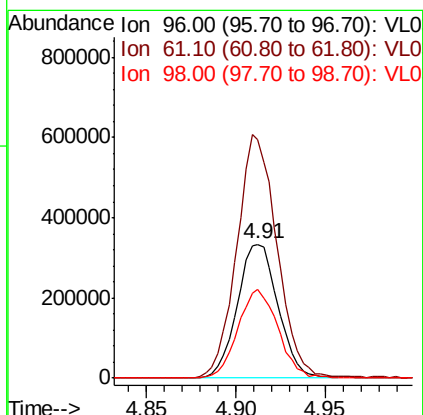
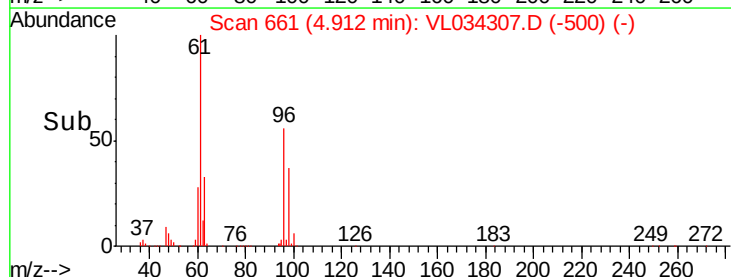
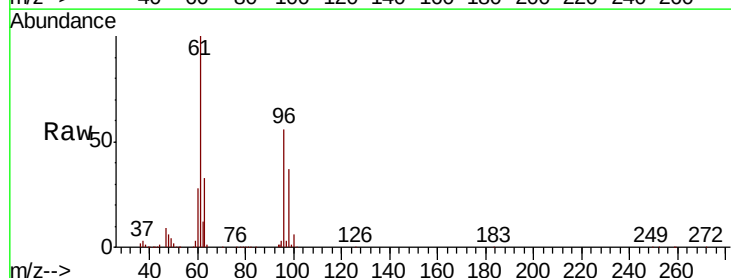
Instrument :
MSVOA_L
ClientSampleId :

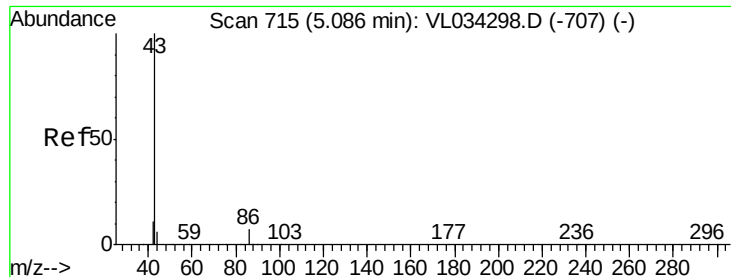
Tot Ion: 41 Resp: 936931
Ion Ratio Lower Upper
41 100
76 28.8 22.8 34.2
39 83.4 66.0 99.0



#22
trans-1,2-Dichloroethene
Concen: 9.929 ppbv
RT: 4.91 min Scan# 661
Delta R.T. 0.02 min
Lab File: VL034307.D
Acq: 16 Oct 2019 20:46

Tgt Ion: 96 Resp: 534635
Ion Ratio Lower Upper
96 100
61 177.8 133.8 200.6
98 65.8 49.4 74.0





#23

Vinyl Acetate

Concen: 10.210 ppbv

RT: 5.11 min Scan# 721

Delta R.T. 0.02 min

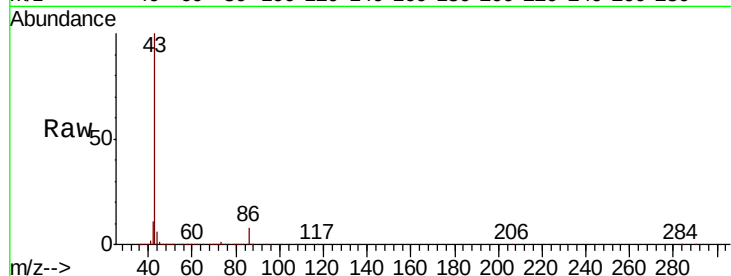
Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

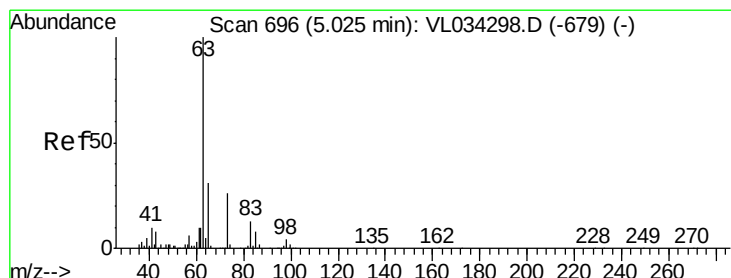
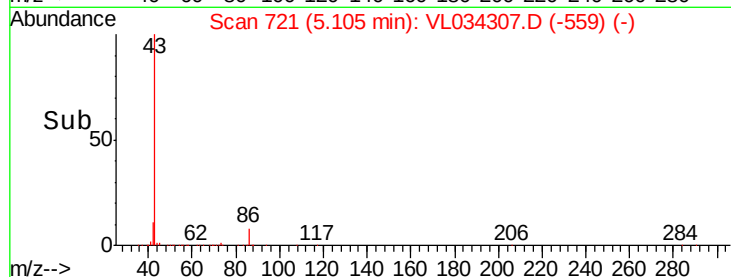
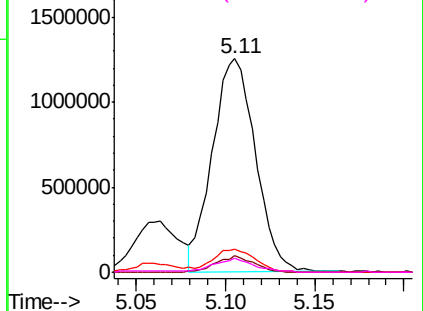
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2097012

Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.0	7.4#
42	10.6	8.6	13.0
44	6.2	4.8	7.2



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: 9.652 ppbv

RT: 5.04 min Scan# 701

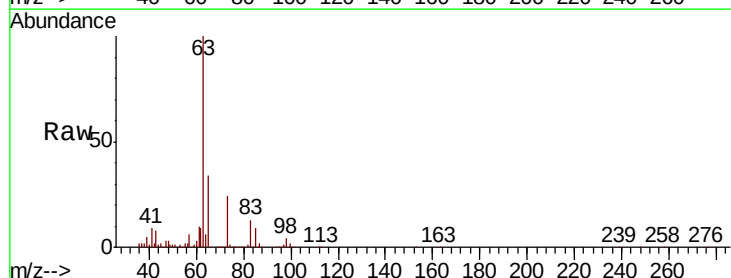
Delta R.T. 0.02 min

Lab File: VL034307.D

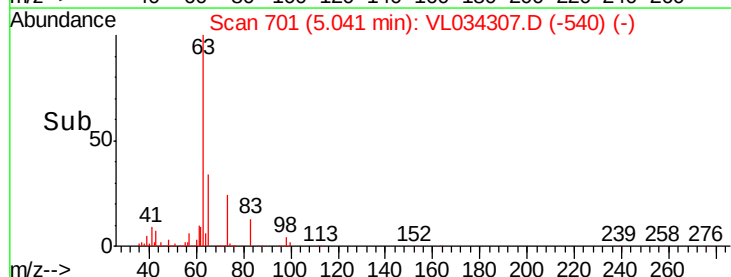
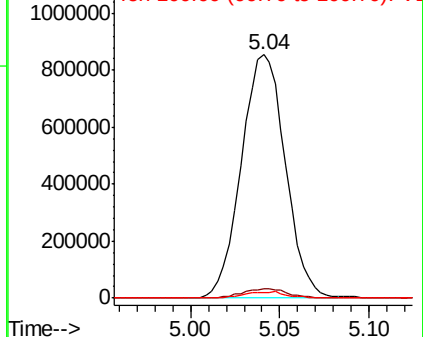
Acq: 16 Oct 2019 20:46

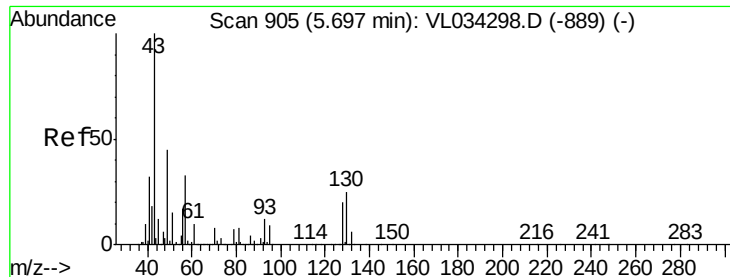
Tgt Ion: 63 Resp: 1471250

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.0	6.0
100	2.3	1.1	3.5



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: 9.529 ppbv

RT: 5.72 min Scan# 911

Delta R.T. 0.02 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2645760

Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.3	12.5
61	9.6	7.7	11.5
70	6.9	5.4	8.2

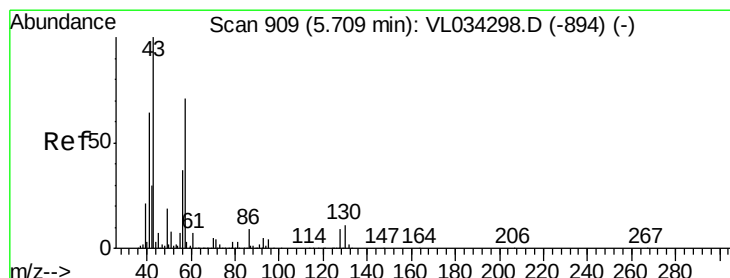
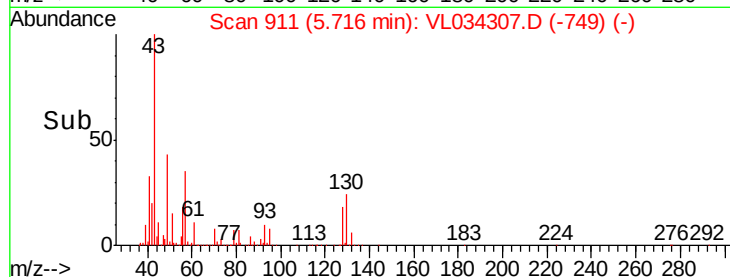
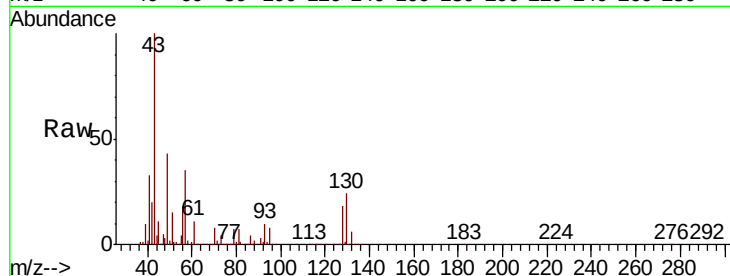
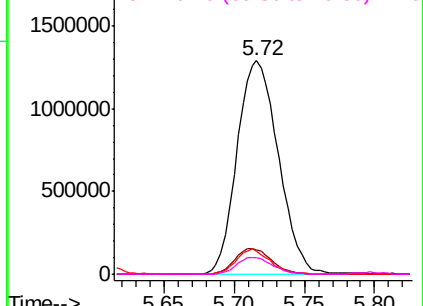
Abundance

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: 9.577 ppbv

RT: 5.73 min Scan# 914

Delta R.T. 0.02 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Tgt Ion: 57 Resp: 1133396

Ion	Ratio	Lower	Upper
57	100		
41	94.9	76.5	114.7
43	234.6	188.5	282.7
56	52.9	42.8	64.2

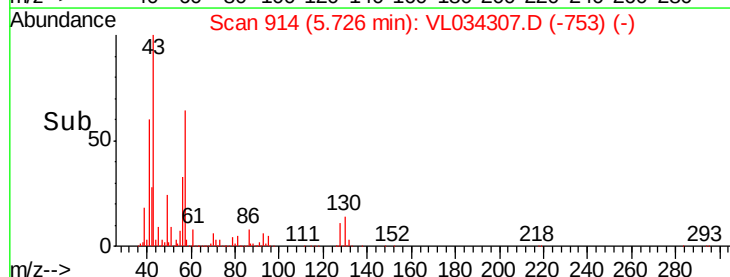
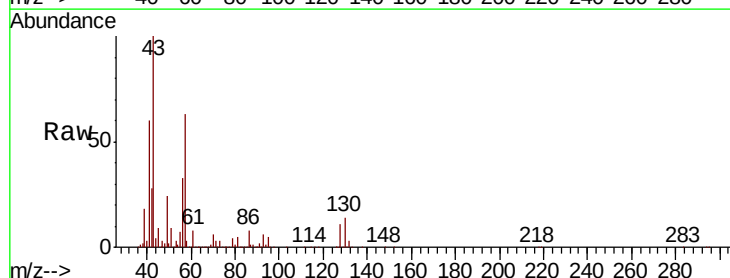
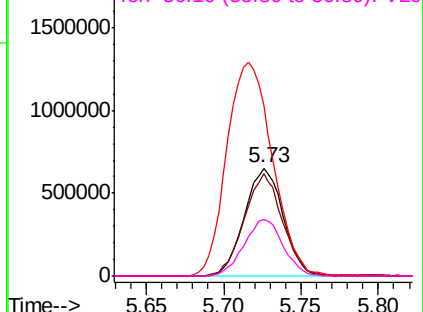
Abundance

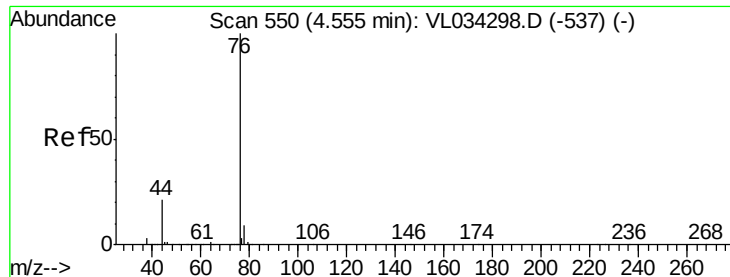
Ion 57.10 (56.80 to 57.80): VL0

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: 11.306 ppbv

RT: 4.57 min Scan# 554

Delta R.T. 0.01 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Instrument :

MSVOA_L

ClientSampleId :

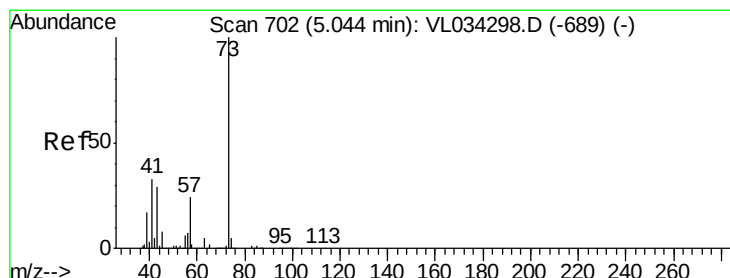
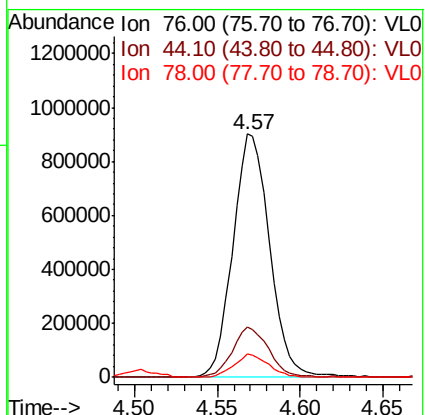
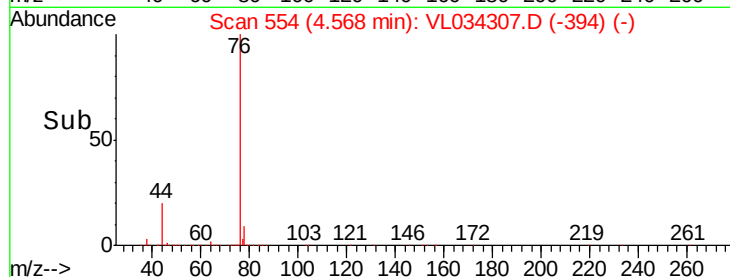
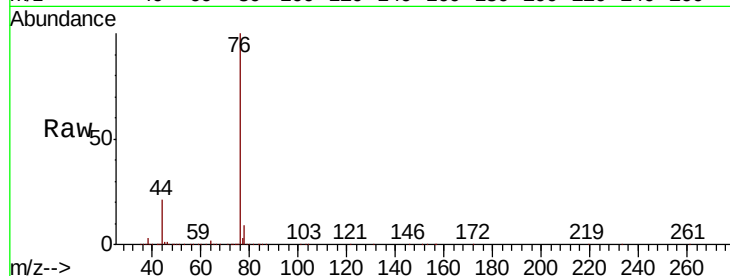
Tot Ion: 76 Resp: 1389075

Ion Ratio Lower Upper

76 100

44 20.1 17.3 25.9

78 9.2 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 10.259 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.02 min

Lab File: VL034307.D

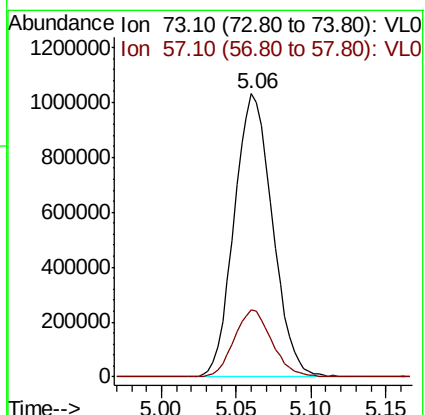
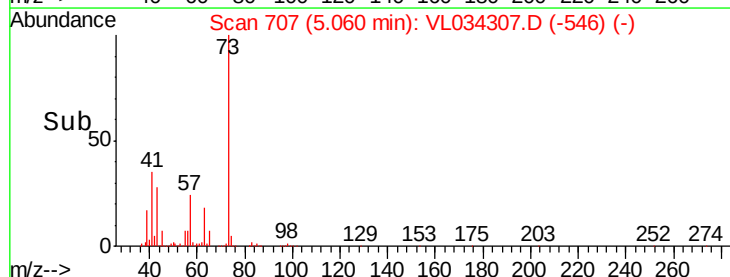
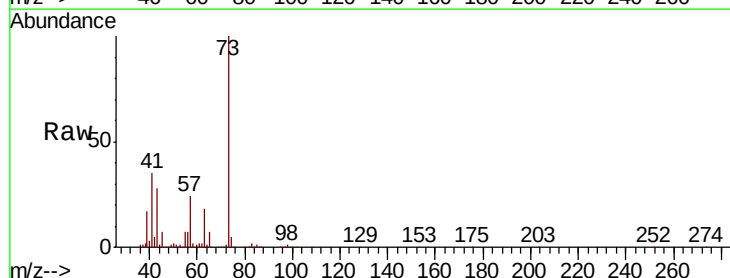
Acq: 16 Oct 2019 20:46

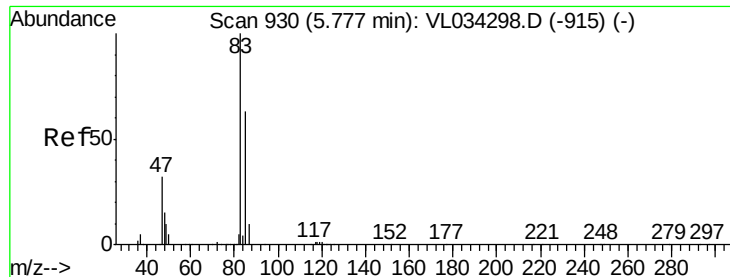
Tgt Ion: 73 Resp: 1837517

Ion Ratio Lower Upper

73 100

57 23.4 19.2 28.8





#29

Chloroform

Concen: 9.679 ppbv

RT: 5.80 min Scan# 936

Delta R.T. 0.02 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Instrument :

MSVOA_L

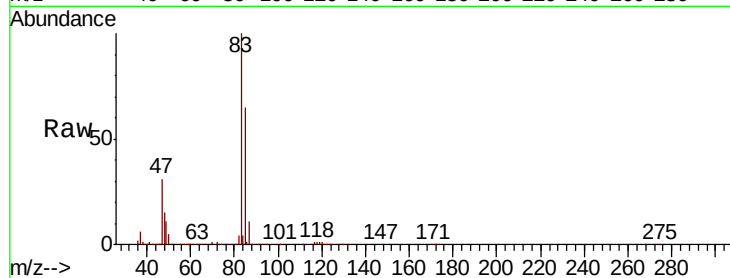
ClientSampled :

Tot Ion: 83 Resp: 1811984

Ion Ratio Lower Upper

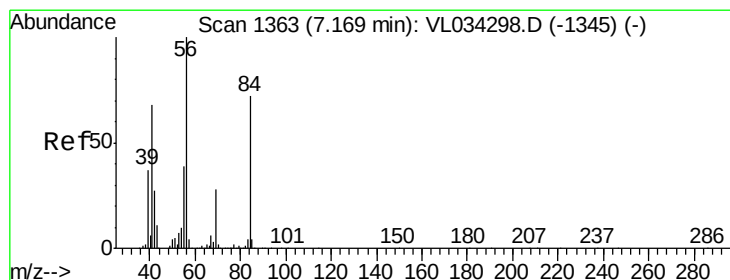
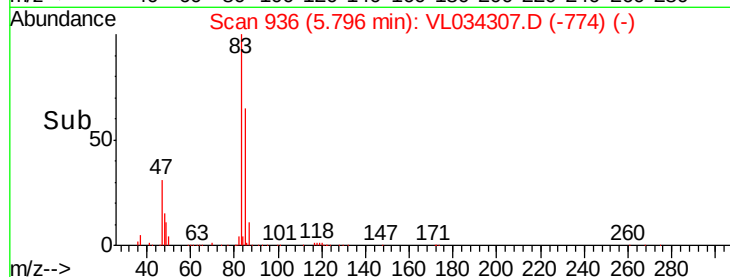
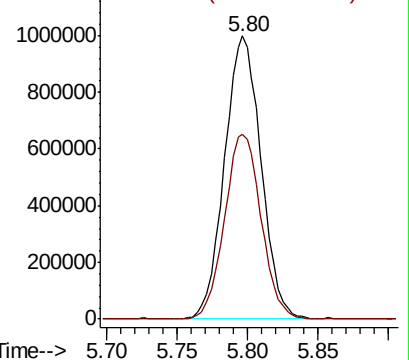
83 100

85 65.1 50.5 75.7



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 10.342 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. 0.02 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

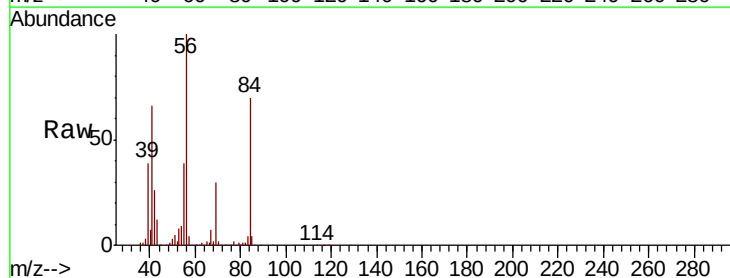
Tgt Ion: 84 Resp: 900172

Ion Ratio Lower Upper

84 100

56 146.8 119.4 179.0

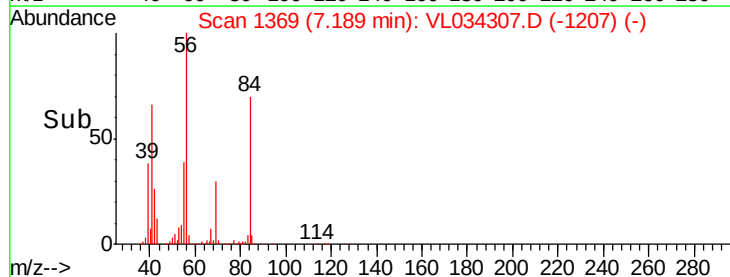
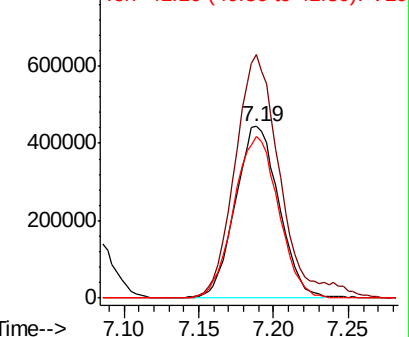
41 96.7 78.7 118.1

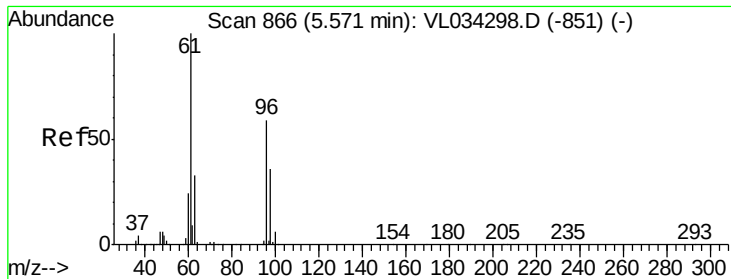


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



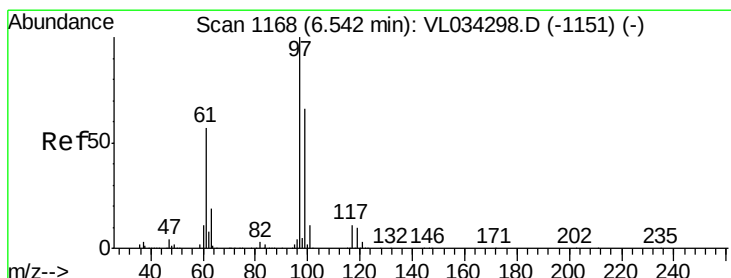
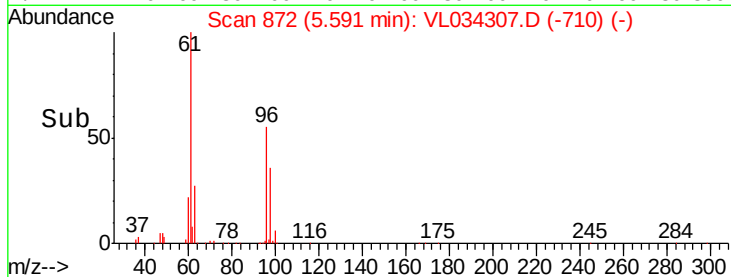
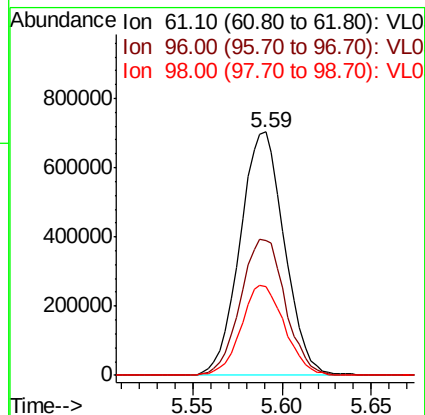
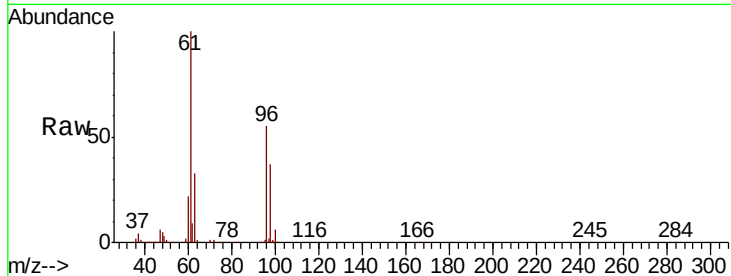


#31

cis-1,2-Dichloroethene
 Concen: 10.088 ppbv
 RT: 5.59 min Scan# 872
 Delta R.T. 0.02 min
 Lab File: VL034307.D
 Acq: 16 Oct 2019 20:46

Instrument :
 MSVOA_L
 ClientSampled :

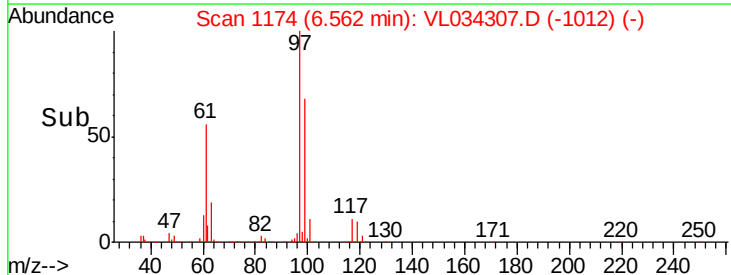
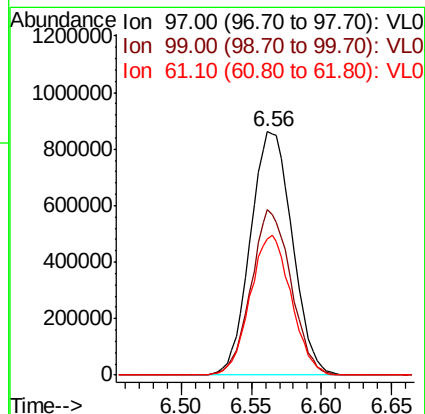
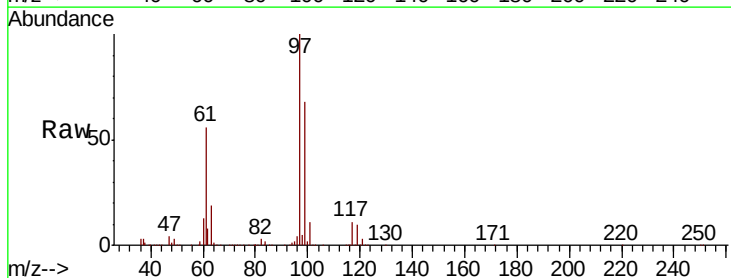
Tot Ion: 61 Resp: 1211695
 Ion Ratio Lower Upper
 61 100
 96 55.3 47.5 71.3
 98 36.6 28.8 43.2

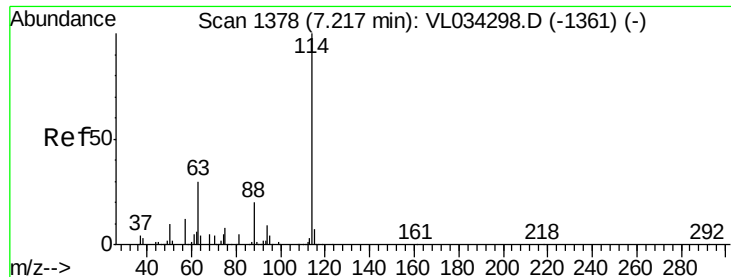


#32

1,1,1-Trichloroethane
 Concen: 9.824 ppbv
 RT: 6.56 min Scan# 1174
 Delta R.T. 0.02 min
 Lab File: VL034307.D
 Acq: 16 Oct 2019 20:46

Tgt Ion: 97 Resp: 1788448
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.6 78.8
 61 56.4 44.5 66.7

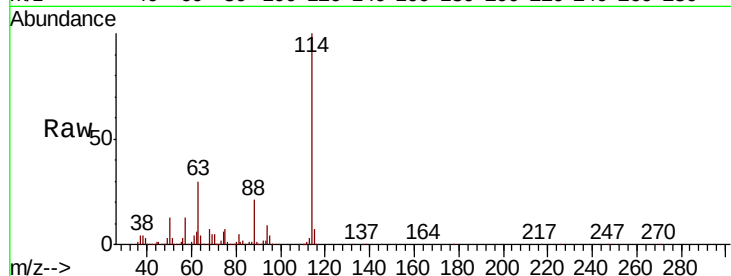




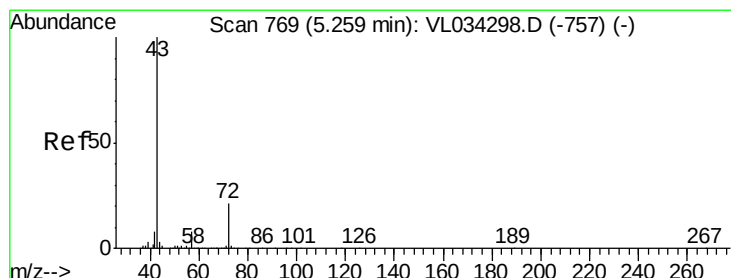
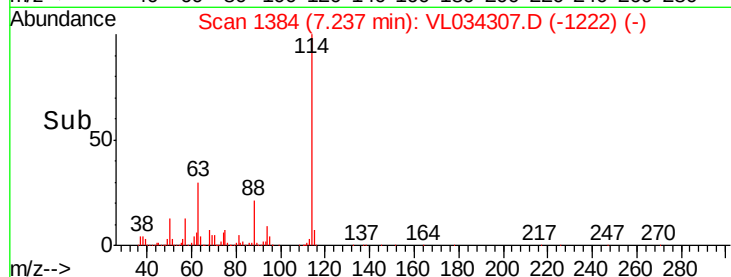
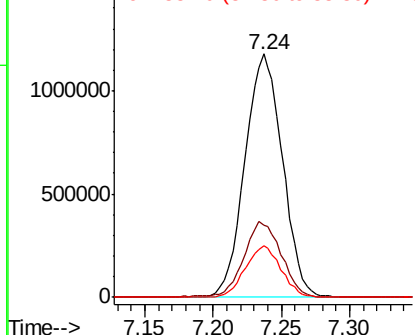
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.24 min Scan# 1384
 Delta R.T. 0.02 min
 Lab File: VL034307.D
 Acq: 16 Oct 2019 20:46

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2247301
 Ion Ratio Lower Upper
 114 100
 63 31.3 25.2 37.8
 88 20.2 16.0 24.0

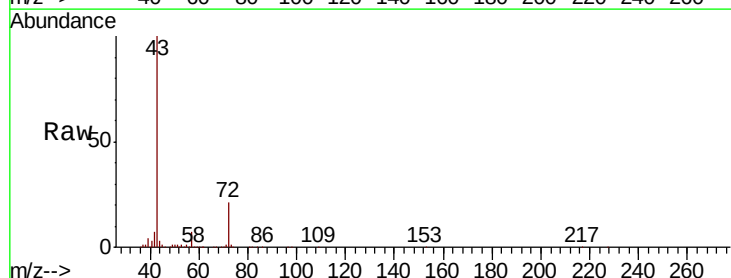


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

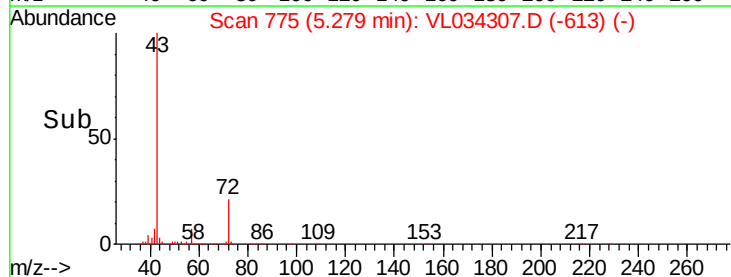
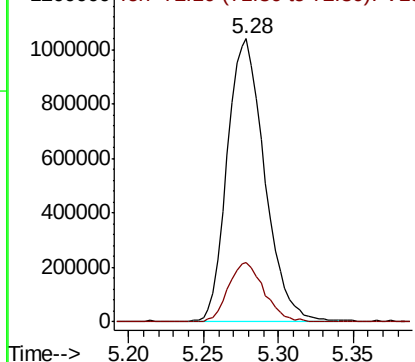


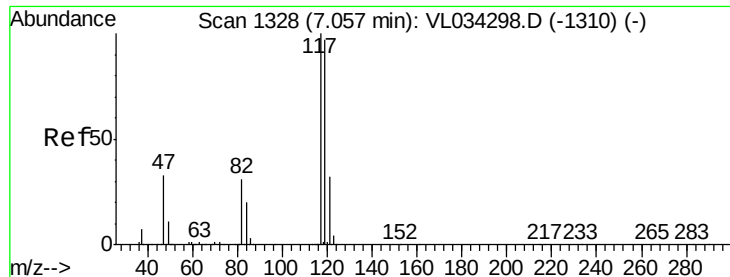
#34
 2-Butanone
 Concen: 9.846 ppbv
 RT: 5.28 min Scan# 775
 Delta R.T. 0.02 min
 Lab File: VL034307.D
 Acq: 16 Oct 2019 20:46

Tgt Ion: 43 Resp: 1808541
 Ion Ratio Lower Upper
 43 100
 72 20.3 16.3 24.5



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





#35

Carbon Tetrachloride

Concen: 9.737 ppbv

RT: 7.08 min Scan# 1334

Delta R.T. 0.02 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Instrument :

MSVOA_L

ClientSampleId :

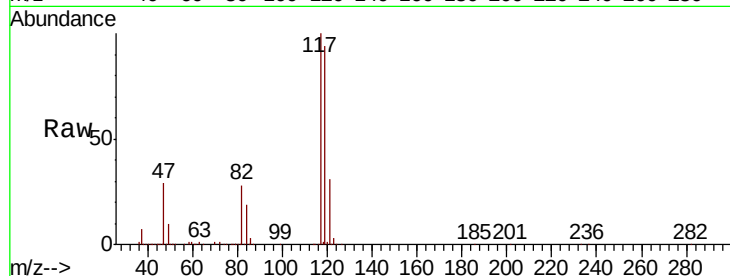
Tot Ion:117 Resp: 1905880

Ion Ratio Lower Upper

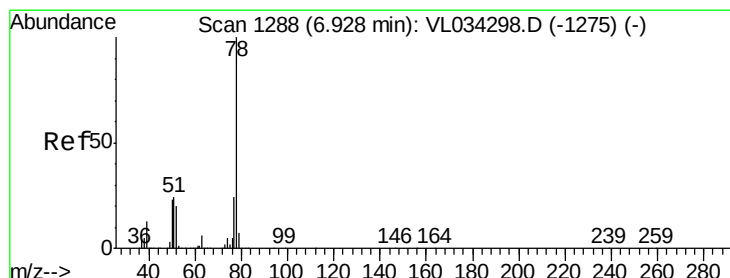
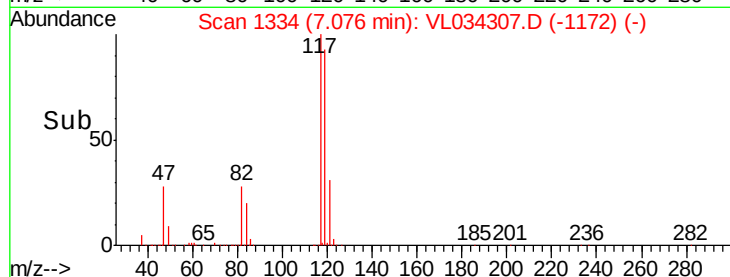
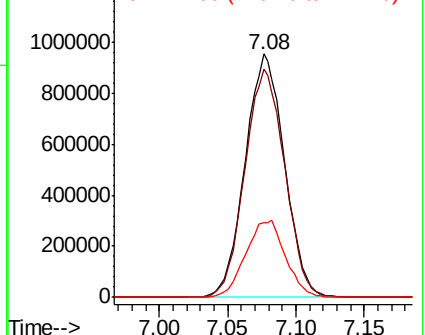
117 100

119 93.5 77.3 115.9

121 30.6 25.5 38.3



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



#36

Benzene

Concen: 9.878 ppbv

RT: 6.95 min Scan# 1295

Delta R.T. 0.02 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

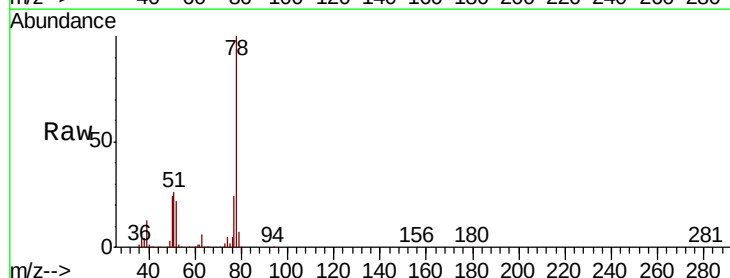
Tgt Ion: 78 Resp: 2129978

Ion Ratio Lower Upper

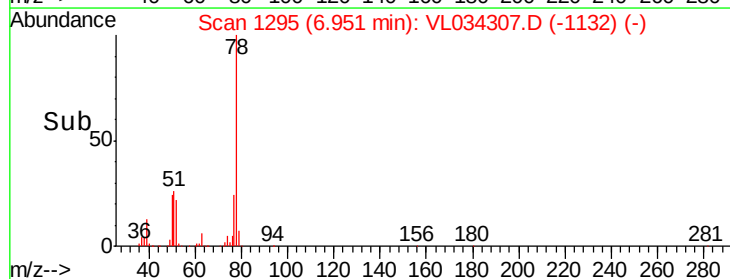
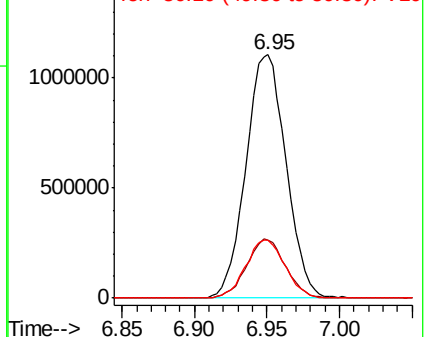
78 100

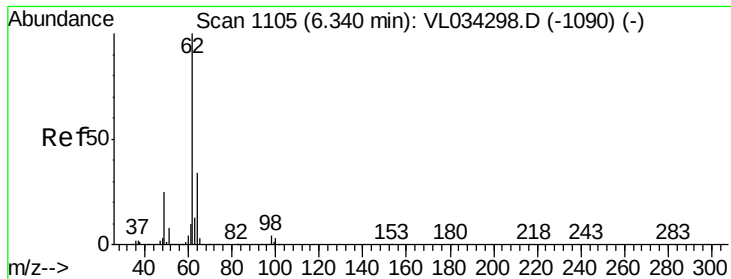
77 23.7 19.0 28.4

50 24.1 18.6 27.8



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: 9.840 ppbv

RT: 6.36 min Scan# 1110

Delta R.T. 0.02 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

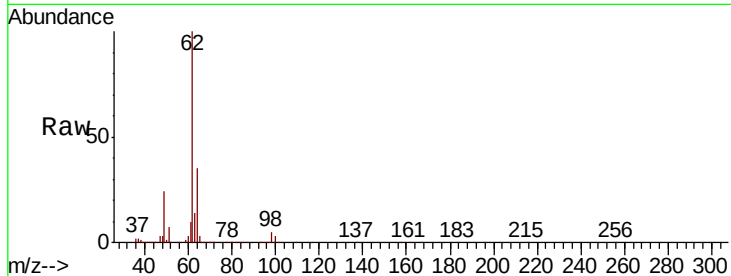
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 62 Resp: 1581315

Ion Ratio Lower Upper

62 100

98 4.9 3.8 5.6



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 98.00 (97.70 to 98.70): VL0

1000000

800000

600000

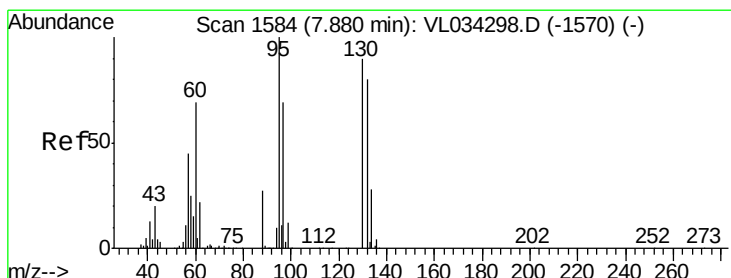
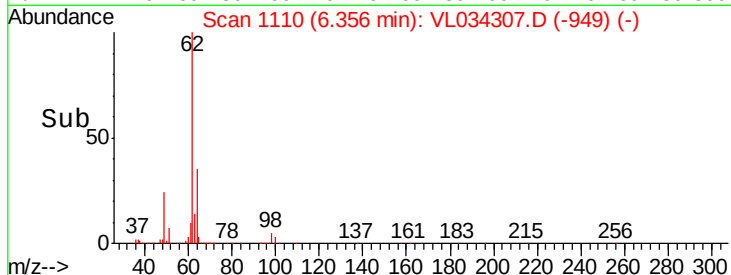
400000

200000

0

6.30 6.35 6.40

Time-->



#38

Trichloroethene

Concen: 9.539 ppbv

RT: 7.91 min Scan# 1592

Delta R.T. 0.03 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Tgt Ion: 130 Resp: 825364

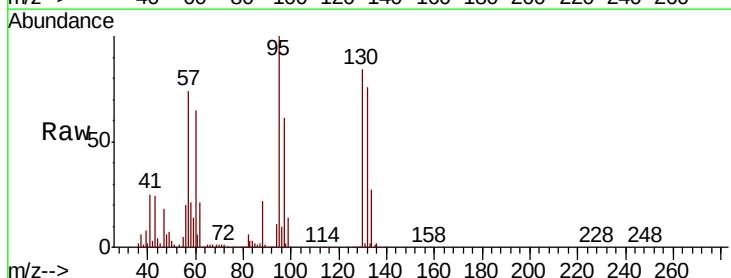
Ion Ratio Lower Upper

130 100

95 119.0 88.6 132.8

132 91.0 71.2 106.8

97 72.2 61.0 91.4



Abundance Ion 130.00 (129.70 to 130.70): V
Ion 95.00 (94.70 to 95.70): VL0
Ion 132.00 (131.70 to 132.70): V
Ion 97.00 (96.70 to 97.70): VL0

800000

600000

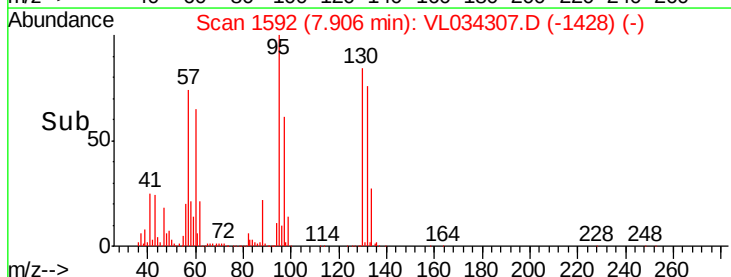
400000

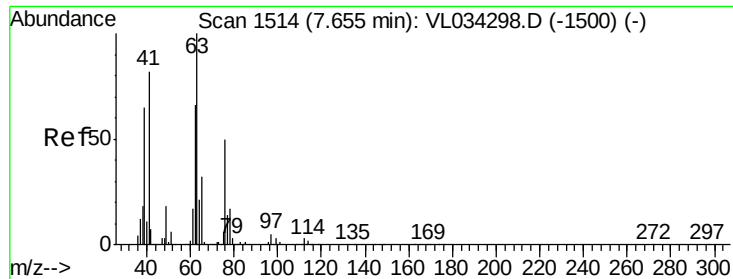
200000

0

7.85 7.90 7.95

Time-->

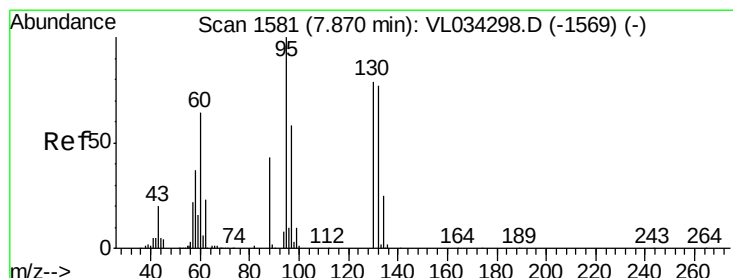
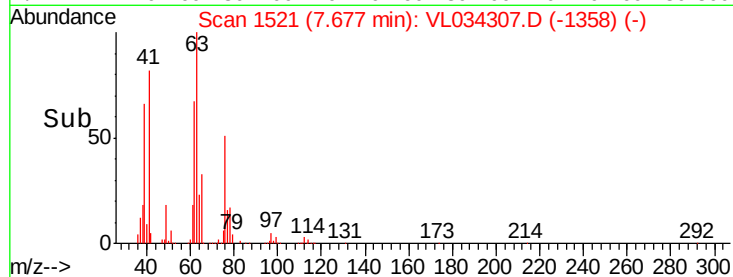
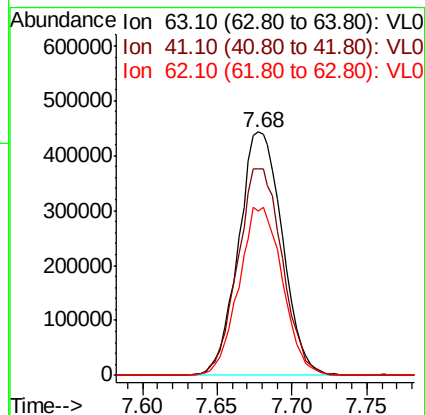
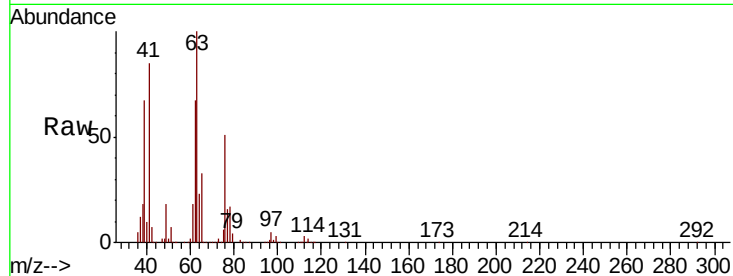




#39
 1,2-Dichloropropane
 Concen: 9.698 ppbv
 RT: 7.68 min Scan# 1521
 Delta R.T. 0.02 min
 Lab File: VL034307.D
 Acq: 16 Oct 2019 20:46

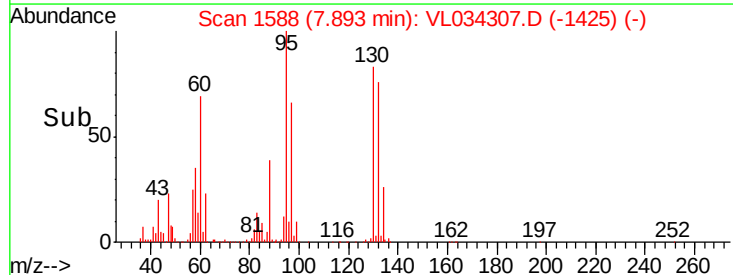
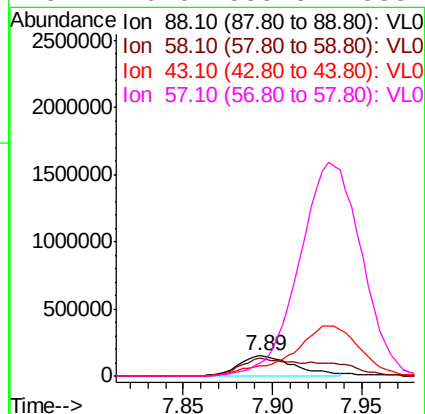
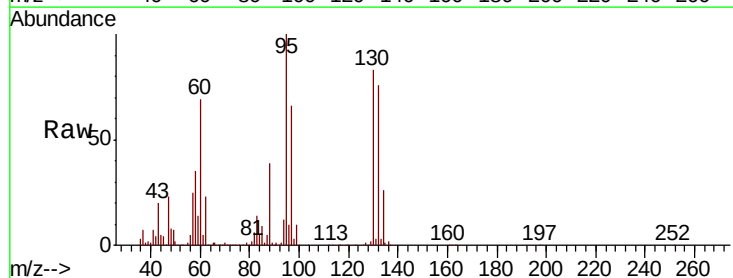
Instrument :
 MSVOA_L
 ClientSampleId :

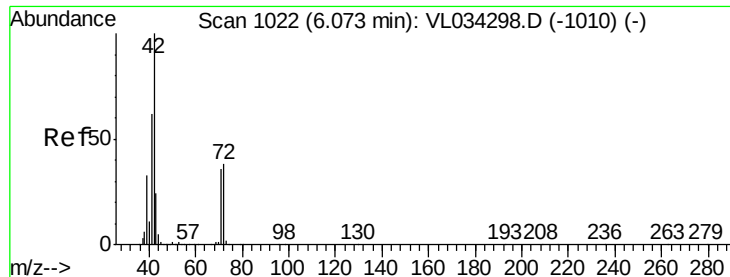
Tot Ion: 63 Resp: 900445
 Ion Ratio Lower Upper
 63 100
 41 84.9 65.6 98.4
 62 67.2 53.0 79.6



#40
 1,4-Dioxane
 Concen: 10.038 ppbv
 RT: 7.89 min Scan# 1588
 Delta R.T. 0.02 min
 Lab File: VL034307.D
 Acq: 16 Oct 2019 20:46

Tgt Ion: 88 Resp: 327521
 Ion Ratio Lower Upper
 88 100
 58 146.5 110.3 165.5
 43 0.0 228.1 342.1#
 57 0.0 889.3 1333.9#

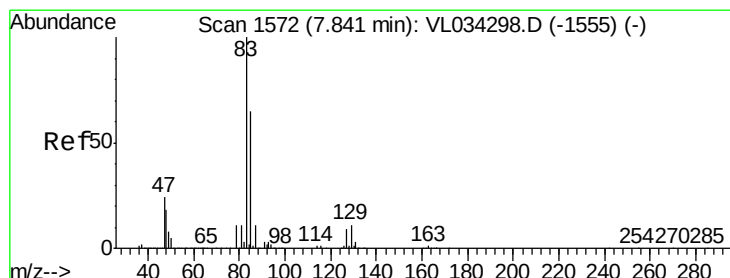
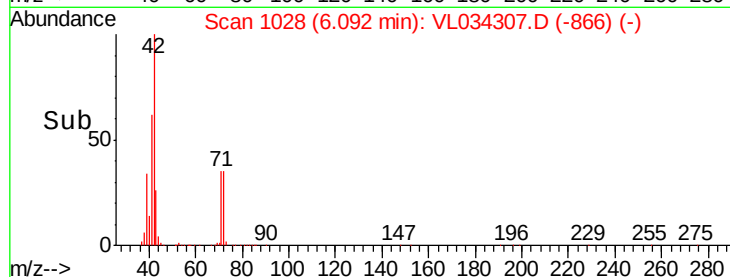
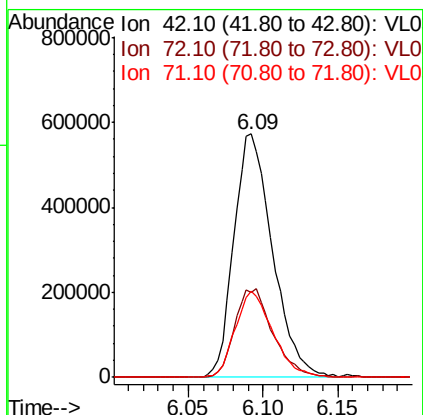
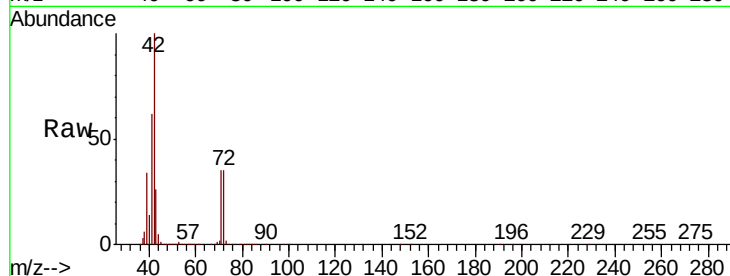




#41
Tetrahydrofuran
Concen: 10.102 ppbv
RT: 6.09 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VL034307.D
Acq: 16 Oct 2019 20:46

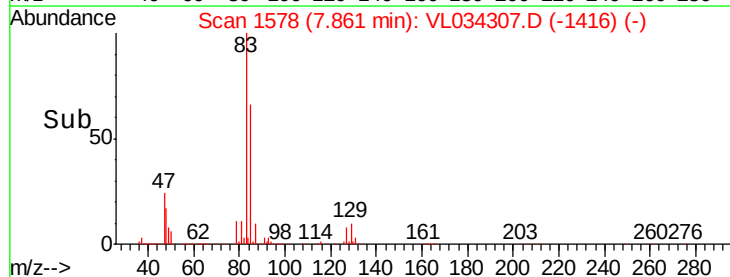
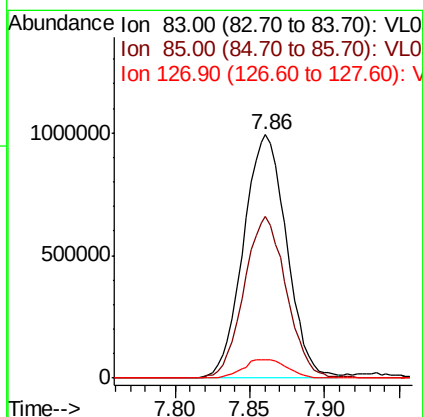
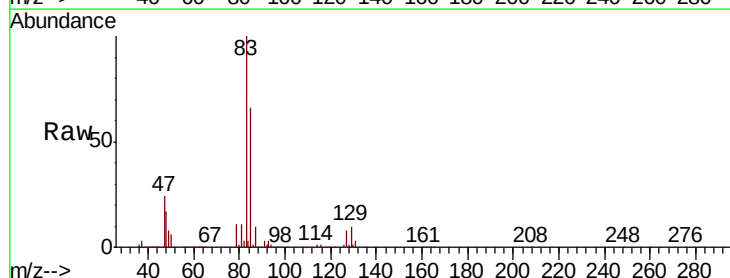
Instrument :
MSVOA_L
ClientSampleId :

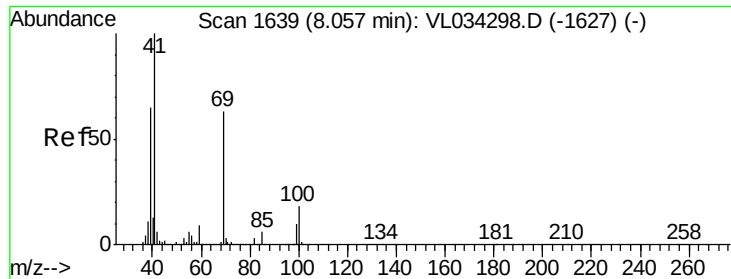
Tot Ion: 42 Resp: 1029874
Ion Ratio Lower Upper
42 100
72 36.2 28.0 42.0
71 34.6 27.3 40.9



#42
Bromodichloromethane
Concen: 10.113 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. 0.02 min
Lab File: VL034307.D
Acq: 16 Oct 2019 20:46

Tgt Ion: 83 Resp: 1990603
Ion Ratio Lower Upper
83 100
85 66.5 51.8 77.6
127 7.5 7.0 10.6





#43

Methyl Methacrylate

Concen: 10.457 ppbv

RT: 8.08 min Scan# 1646

Delta R.T. 0.02 min

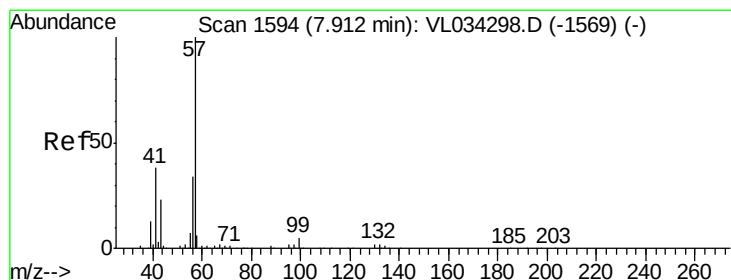
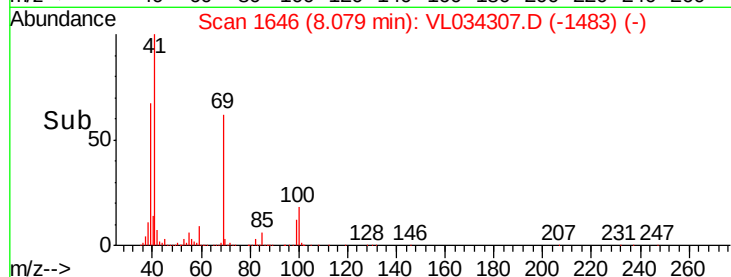
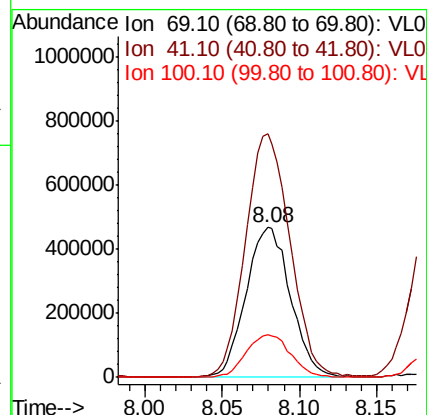
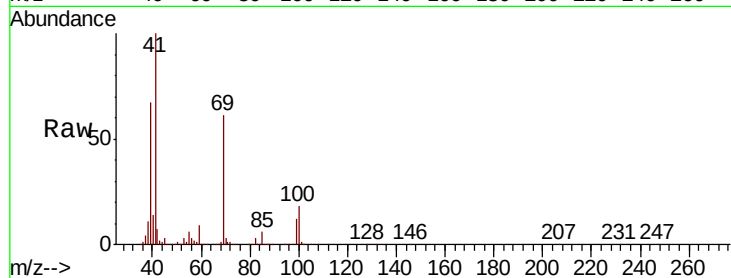
Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 69 Resp: 932588

Ion	Ratio	Lower	Upper
69	100		
41	163.0	132.1	198.1
100	28.6	23.2	34.8



#44

2,2,4-Trimethylpentane

Concen: 9.659 ppbv

RT: 7.93 min Scan# 1600

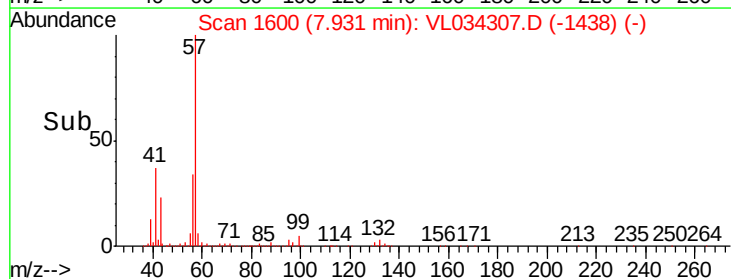
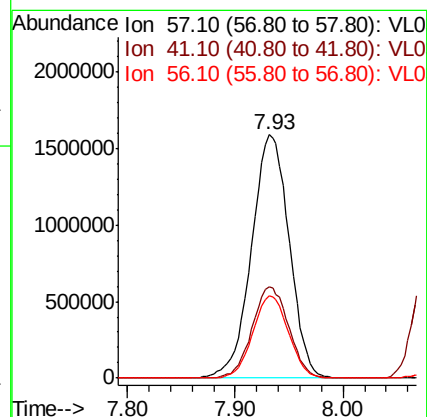
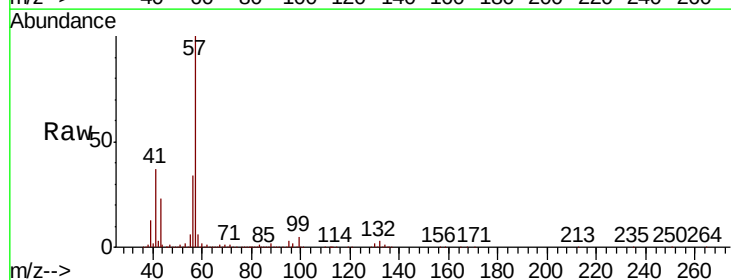
Delta R.T. 0.02 min

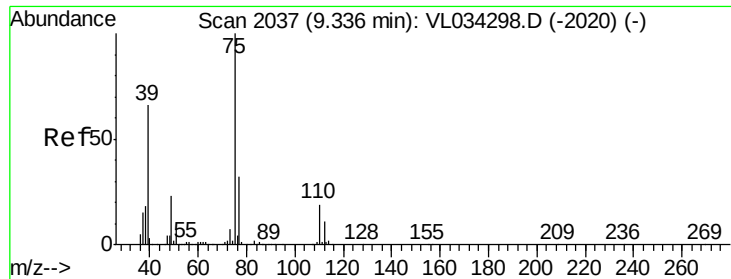
Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Tgt Ion: 57 Resp: 3854984

Ion	Ratio	Lower	Upper
57	100		
41	36.4	29.3	43.9
56	32.1	25.3	37.9

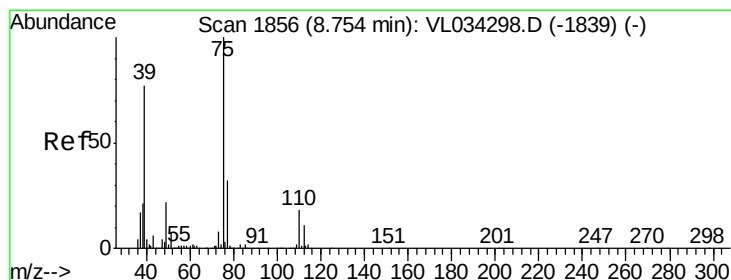
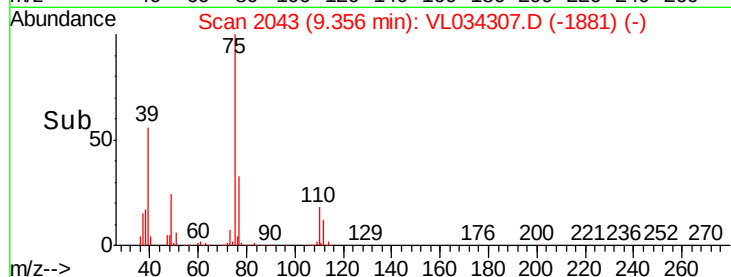
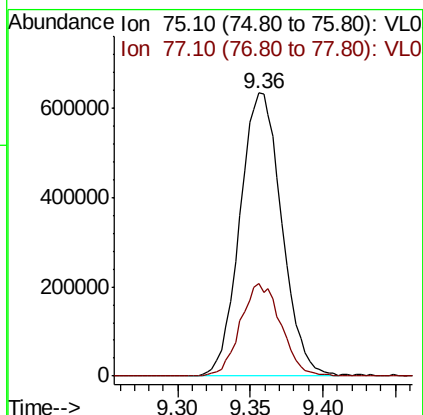
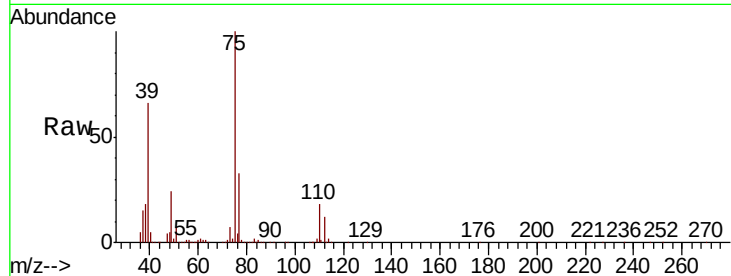




#45
 t-1,3-Dichloropropene
 Concen: 11.701 ppbv
 RT: 9.36 min Scan# 2043
 Delta R.T. 0.02 min
 Lab File: VL034307.D
 Acq: 16 Oct 2019 20:46

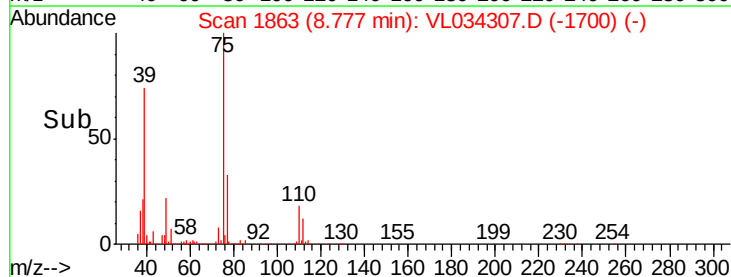
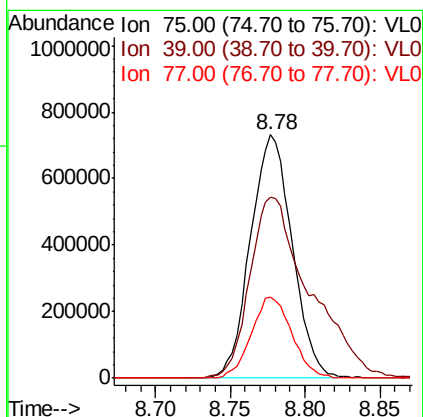
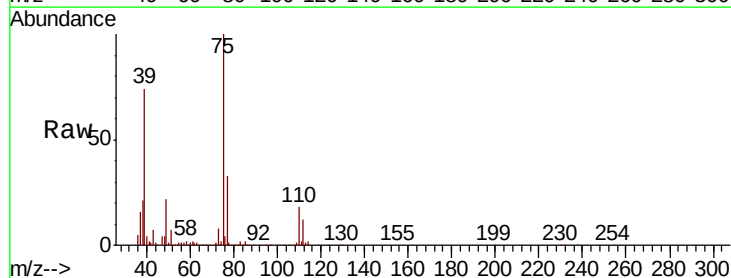
Instrument :
 MSVOA_L
 ClientSampleId :

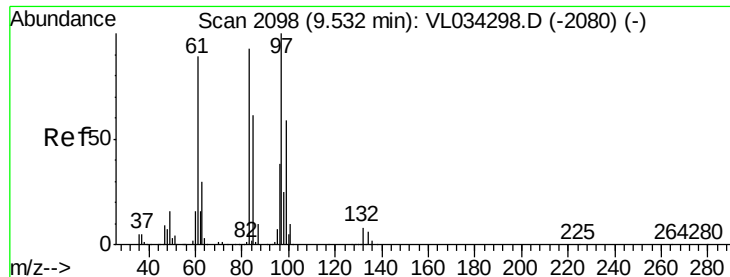
Tot Ion: 75 Resp: 1271336
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.6 38.4



#46
 cis-1,3-Dichloropropene
 Concen: 11.359 ppbv
 RT: 8.78 min Scan# 1863
 Delta R.T. 0.02 min
 Lab File: VL034307.D
 Acq: 16 Oct 2019 20:46

Tgt Ion: 75 Resp: 1417880
 Ion Ratio Lower Upper
 75 100
 39 74.1 61.2 91.8
 77 33.2 25.9 38.9

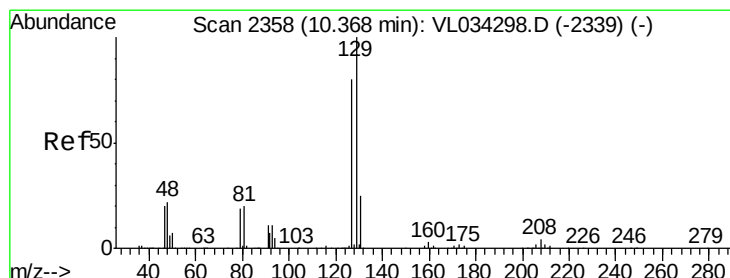
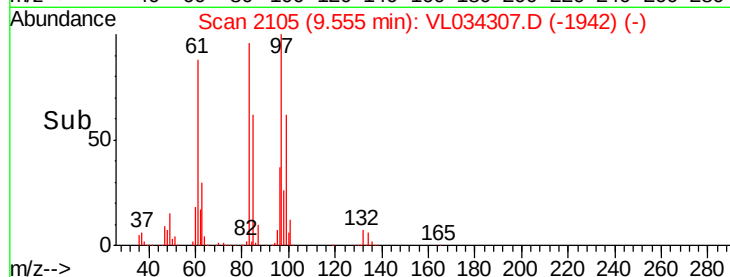
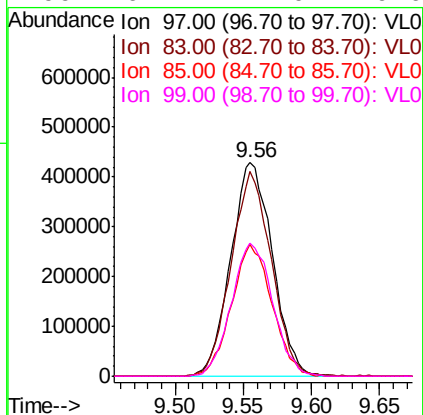
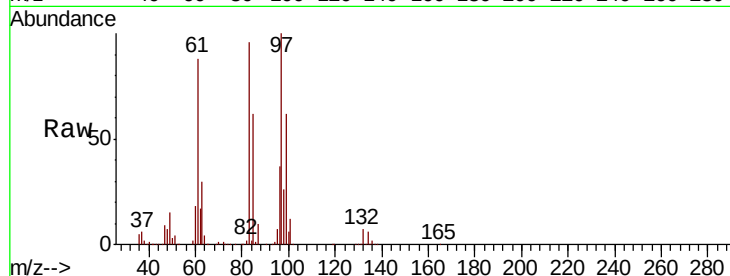




#47
 1,1,2-Trichloroethane
 Concen: 9.634 ppbv
 RT: 9.56 min Scan# 2105
 Delta R.T. 0.02 min
 Lab File: VL034307.D
 Acq: 16 Oct 2019 20:46

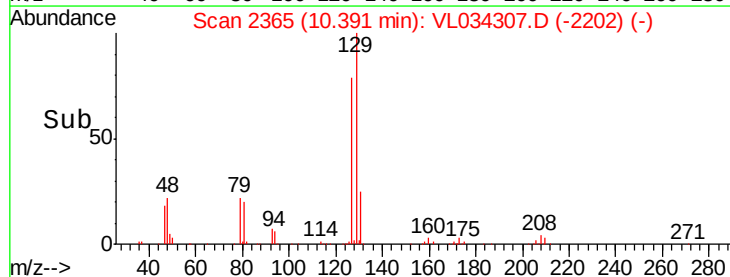
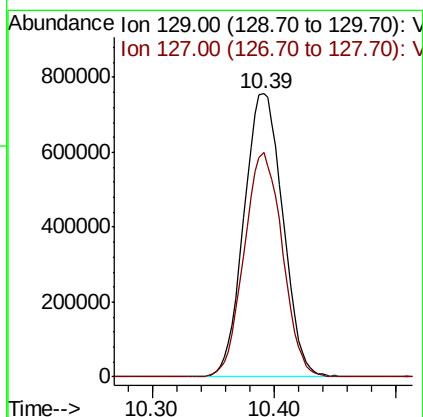
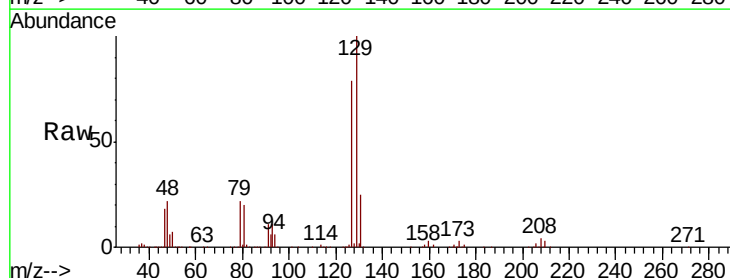
Instrument :
 MSVOA_L
 ClientSampleId :

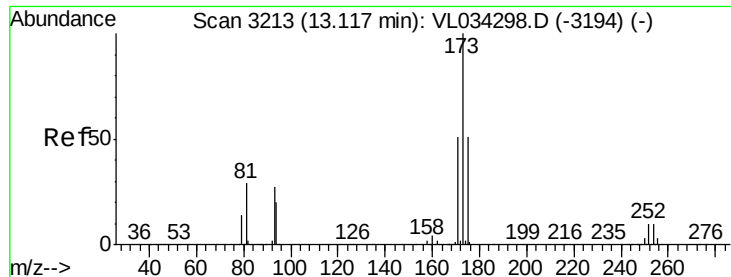
Tot Ion: 97 Resp: 906011
 Ion Ratio Lower Upper
 97 100
 83 95.9 74.2 111.2
 85 61.8 48.6 73.0
 99 62.4 47.0 70.6



#48
 Dibromochloromethane
 Concen: 10.792 ppbv
 RT: 10.39 min Scan# 2365
 Delta R.T. 0.02 min
 Lab File: VL034307.D
 Acq: 16 Oct 2019 20:46

Tgt Ion: 129 Resp: 1664967
 Ion Ratio Lower Upper
 129 100
 127 78.1 39.7 119.1





#49

Bromoform

Concen: 11.000 ppbv

RT: 13.14 min Scan# 3221

Delta R.T. 0.03 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Instrument :

MSVOA_L

ClientSampled :

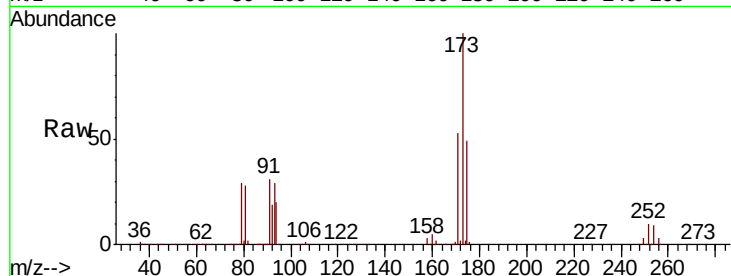
Tot Ion:173 Resp: 1503736

Ion Ratio Lower Upper

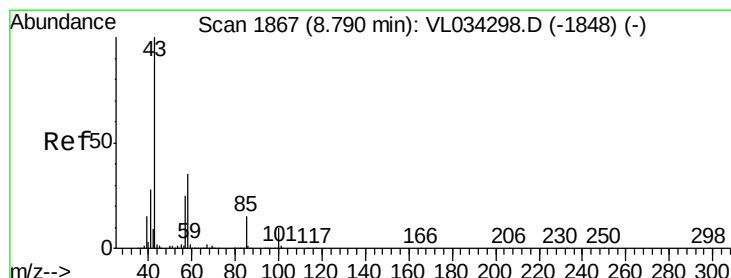
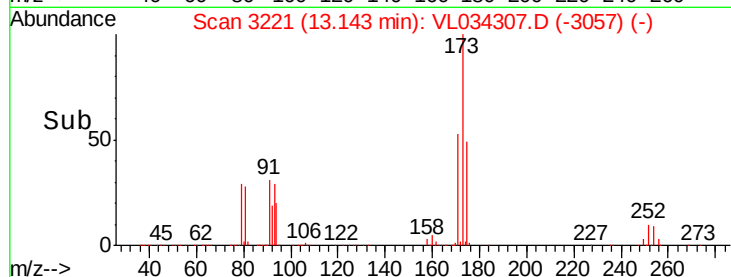
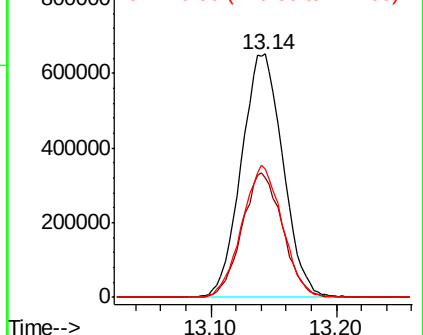
173 100

175 50.0 39.8 59.6

171 52.8 41.8 62.6



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: 10.215 ppbv

RT: 8.81 min Scan# 1873

Delta R.T. 0.02 min

Lab File: VL034307.D

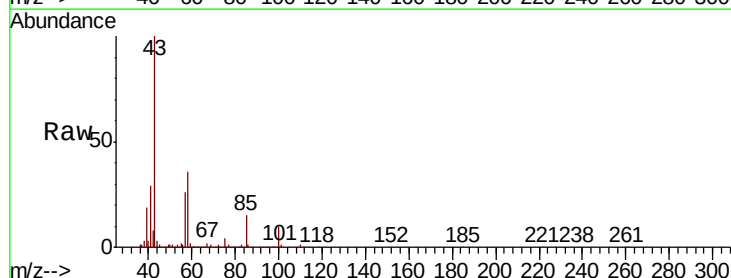
Acq: 16 Oct 2019 20:46

Tgt Ion: 43 Resp: 2686325

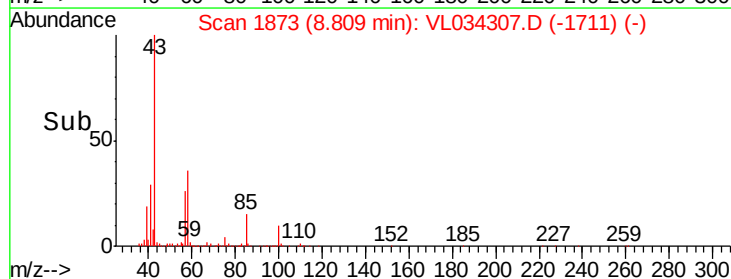
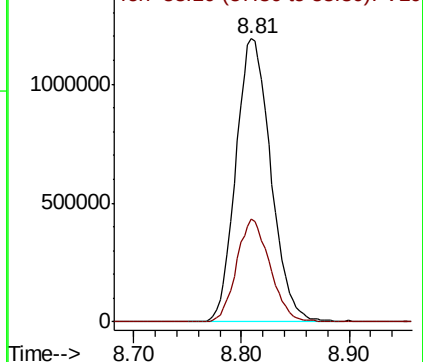
Ion Ratio Lower Upper

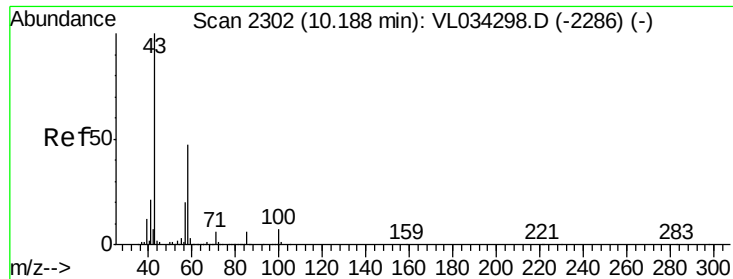
43 100

58 34.7 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

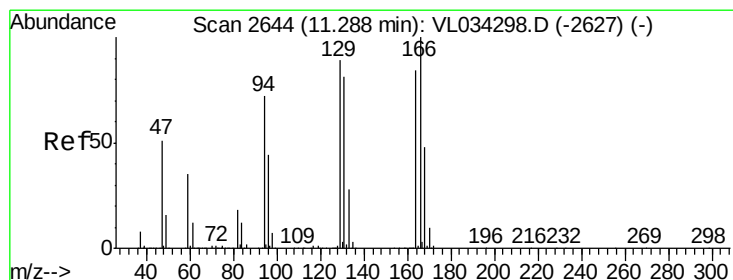
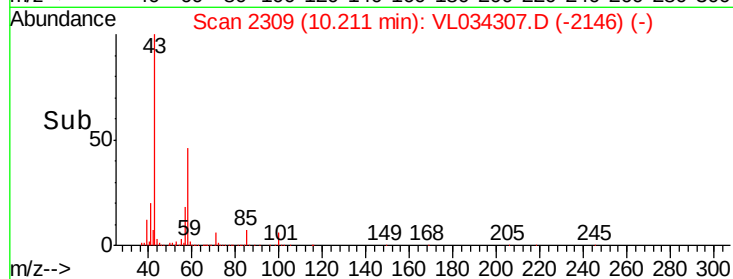
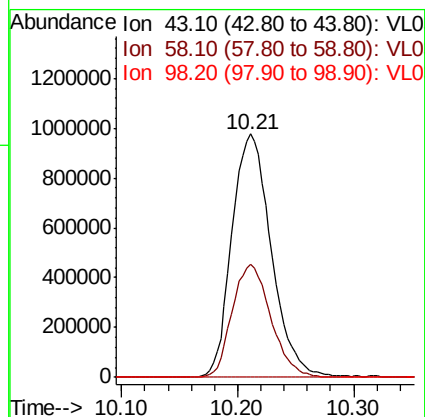
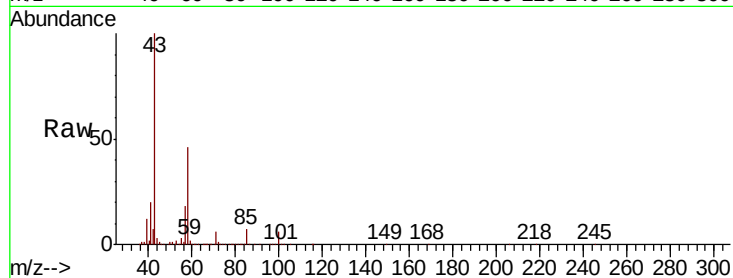




#51
2-Hexanone
Concen: 10.644 ppbv
RT: 10.21 min Scan# 2309
Delta R.T. 0.02 min
Lab File: VL034307.D
Acq: 16 Oct 2019 20:46

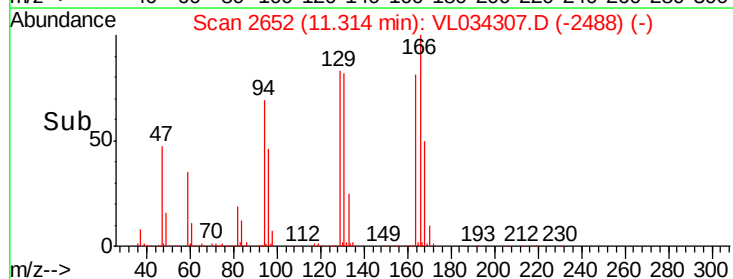
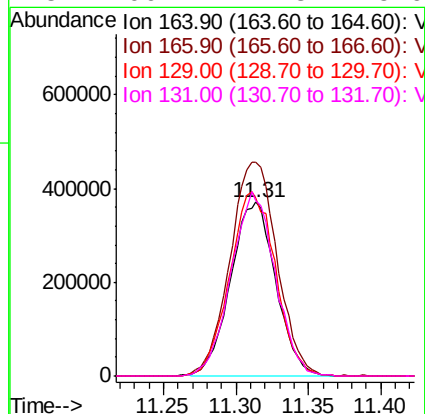
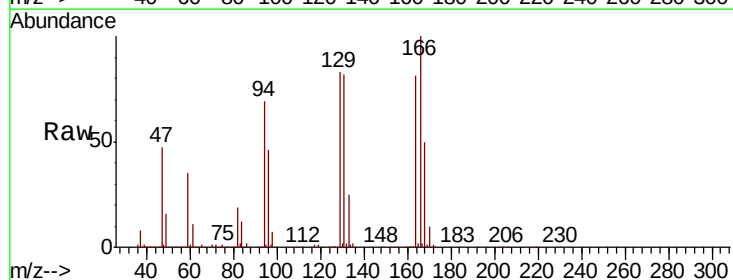
Instrument :
MSVOA_L
ClientSampleId :

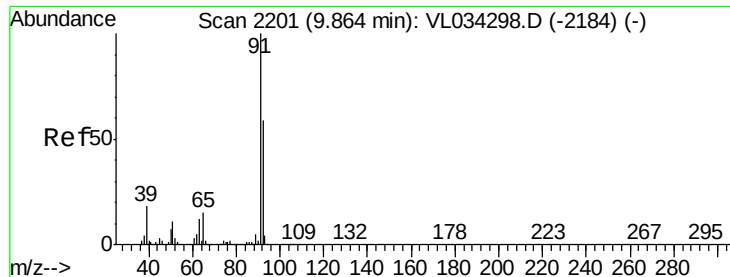
Tot Ion: 43 Resp: 2294508
Ion Ratio Lower Upper
43 100
58 45.8 37.0 55.6
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.407 ppbv
RT: 11.31 min Scan# 2652
Delta R.T. 0.03 min
Lab File: VL034307.D
Acq: 16 Oct 2019 20:46

Tgt Ion: 164 Resp: 795050
Ion Ratio Lower Upper
164 100
166 122.6 95.3 142.9
129 102.3 84.5 126.7
131 100.4 77.3 115.9





#53

Toluene

Concen: 10.273 ppbv

RT: 9.89 min Scan# 2208

Delta R.T. 0.02 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Instrument :

MSVOA_L

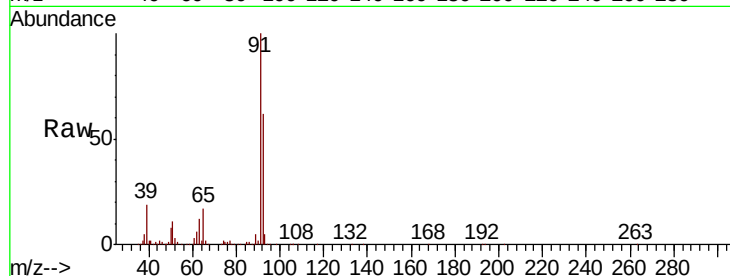
ClientSampleId :

Tot Ion: 91 Resp: 2444609

Ion Ratio Lower Upper

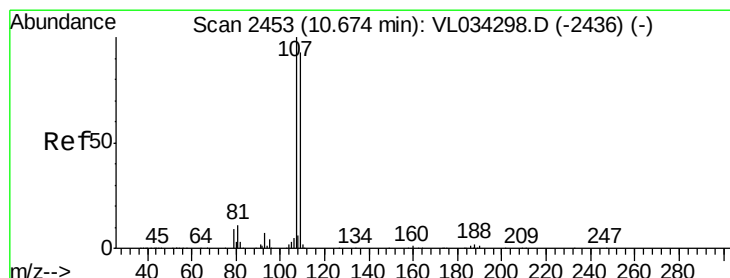
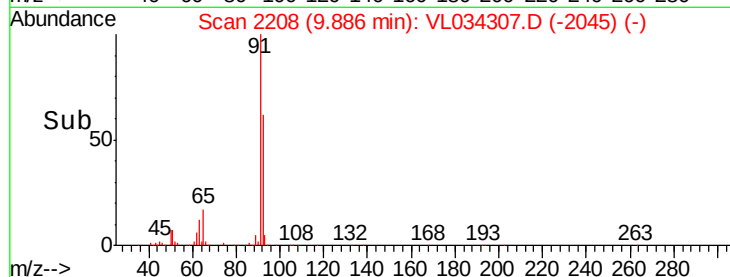
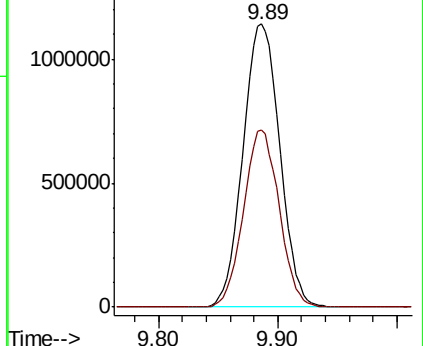
91 100

92 60.7 48.4 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.169 ppbv

RT: 10.70 min Scan# 2460

Delta R.T. 0.02 min

Lab File: VL034307.D

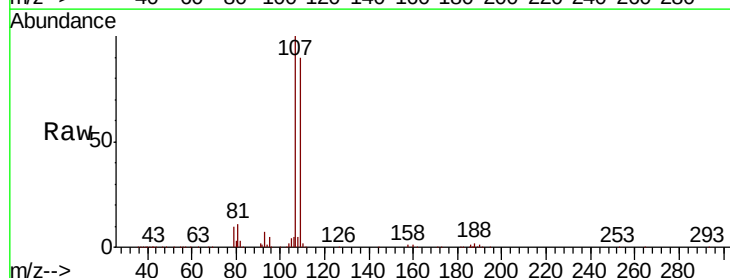
Acq: 16 Oct 2019 20:46

Tgt Ion: 107 Resp: 1417387

Ion Ratio Lower Upper

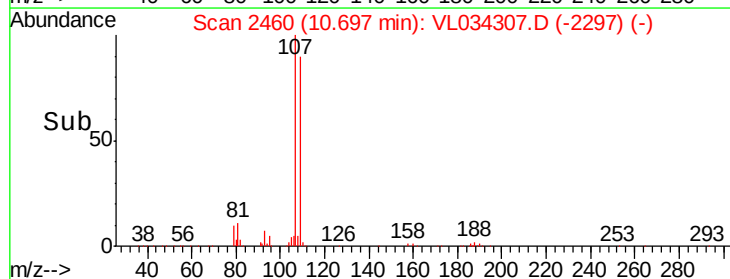
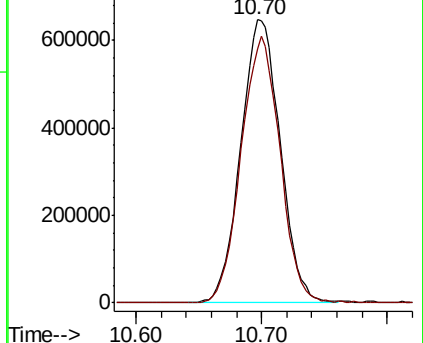
107 100

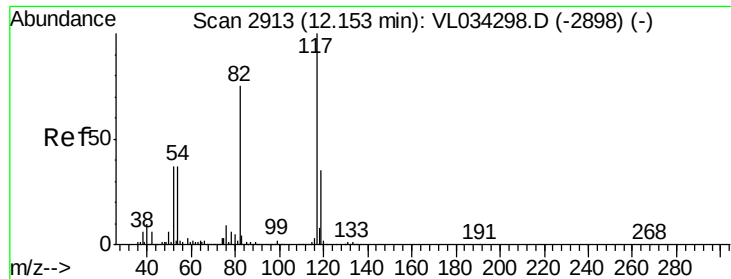
109 89.6 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

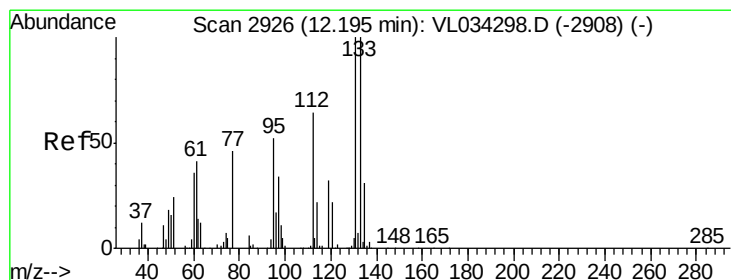
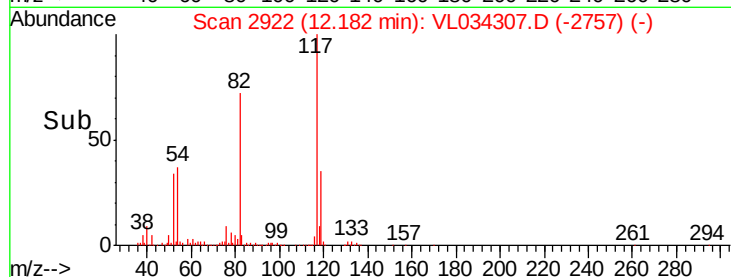
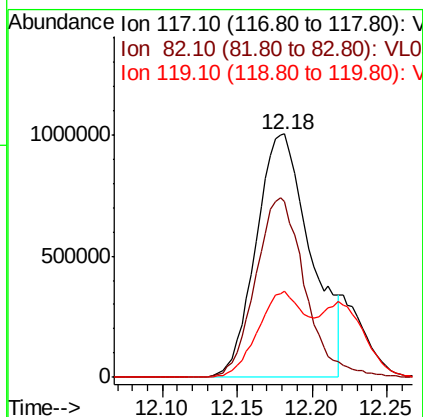
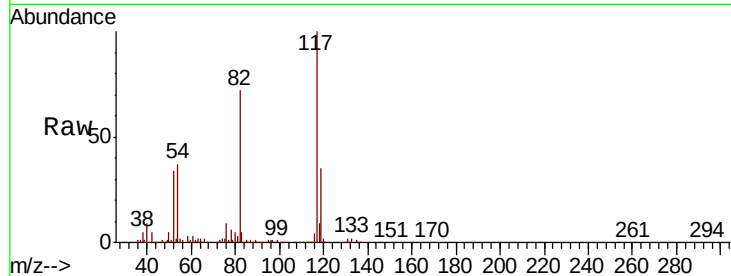




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. 0.03 min
Lab File: VL034307.D
Acq: 16 Oct 2019 20:46

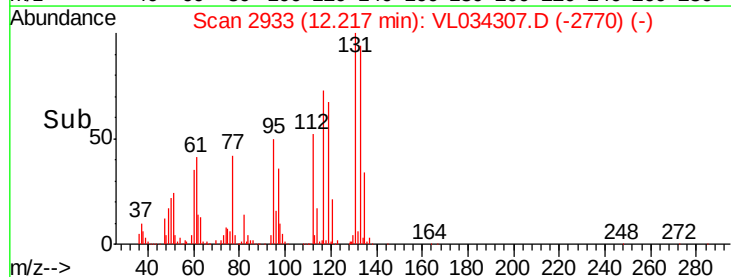
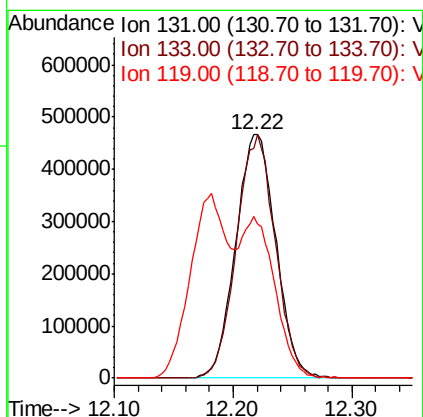
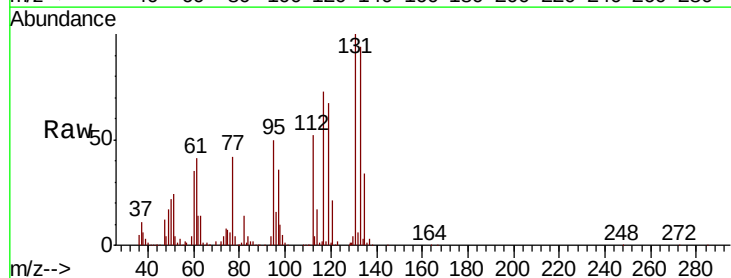
Instrument :
MSVOA_L
ClientSampleId :

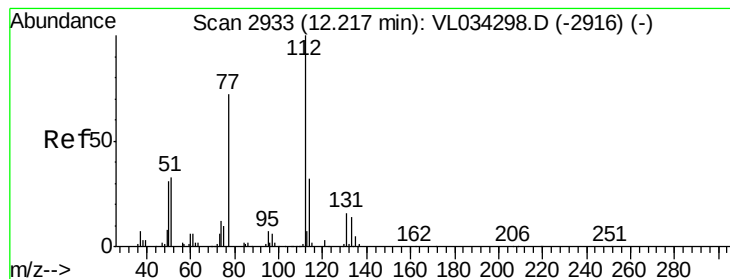
Tot Ion:117 Resp: 2551925
Ion Ratio Lower Upper
117 100
82 67.0 55.5 83.3
119 32.9 26.5 39.7



#56
1,1,1,2-Tetrachloroethane
Concen: 9.258 ppbv
RT: 12.22 min Scan# 2933
Delta R.T. 0.02 min
Lab File: VL034307.D
Acq: 16 Oct 2019 20:46

Tgt Ion:131 Resp: 1088815
Ion Ratio Lower Upper
131 100
133 96.4 77.1 115.7
119 52.9 49.0 73.4





#57

Chlorobenzene

Concen: 8.879 ppbv

RT: 12.24 min Scan# 2941

Delta R.T. 0.03 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Instrument :

MSVOA_L

ClientSampleId :

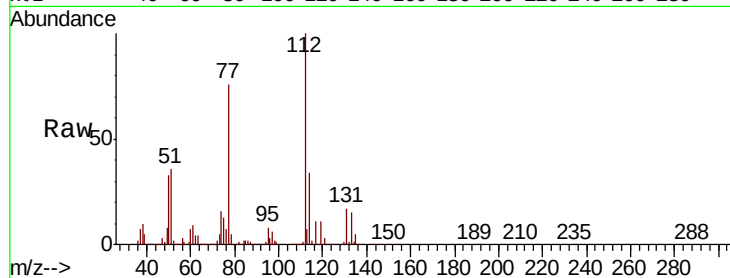
Tot Ion:112 Resp: 1890223

Ion Ratio Lower Upper

112 100

77 76.0 58.6 88.0

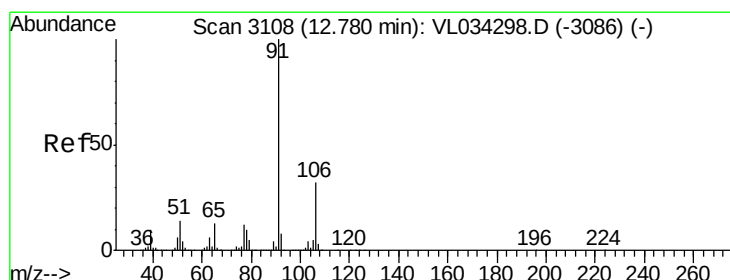
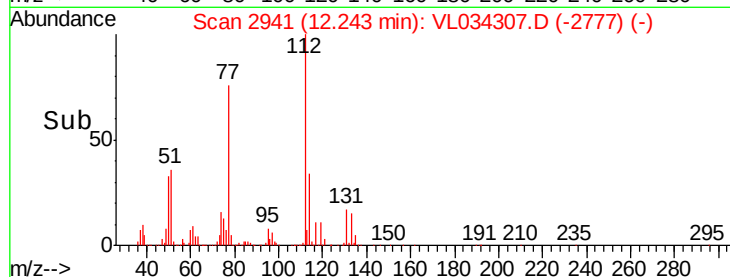
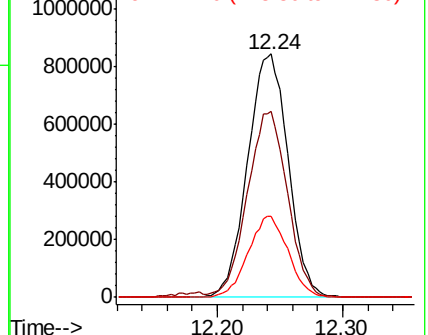
114 33.5 28.6 35.0



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: 9.556 ppbv

RT: 12.80 min Scan# 3115

Delta R.T. 0.02 min

Lab File: VL034307.D

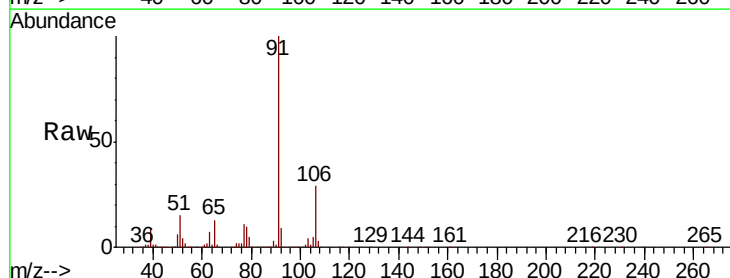
Acq: 16 Oct 2019 20:46

Tgt Ion: 91 Resp: 3409006

Ion Ratio Lower Upper

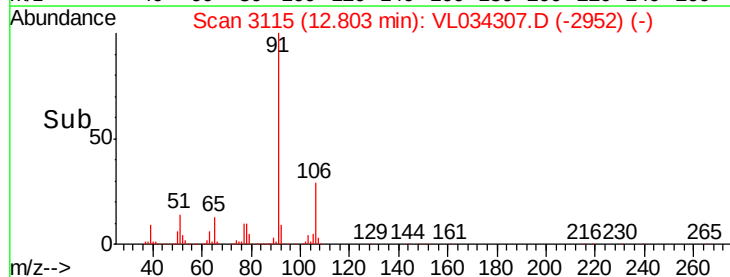
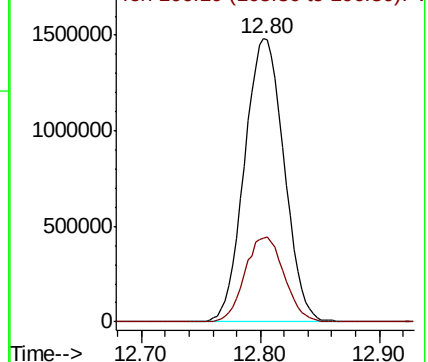
91 100

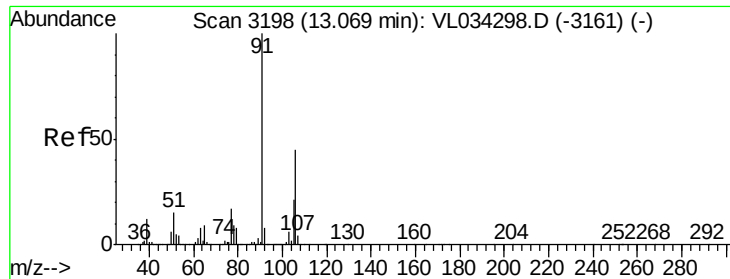
106 29.5 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

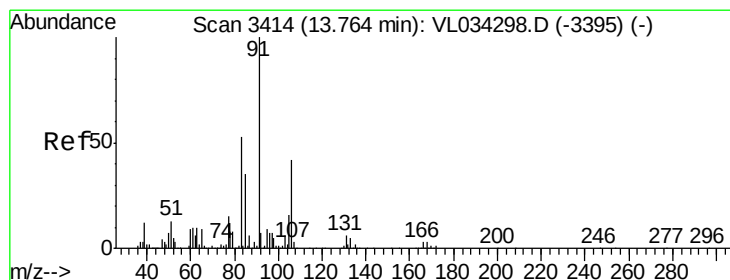
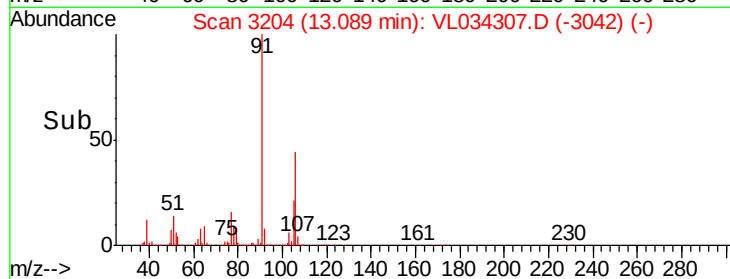
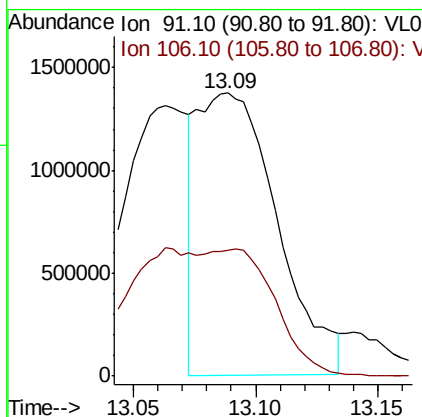
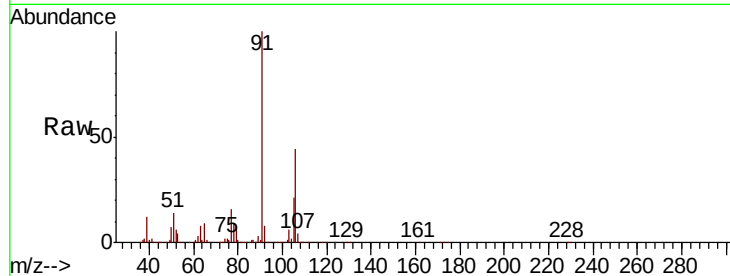




#59
m/p-Xylene
Concen: 10.048 ppbv
RT: 13.09 min Scan# 3204
Delta R.T. 0.02 min
Lab File: VL034307.D
Acq: 16 Oct 2019 20:46

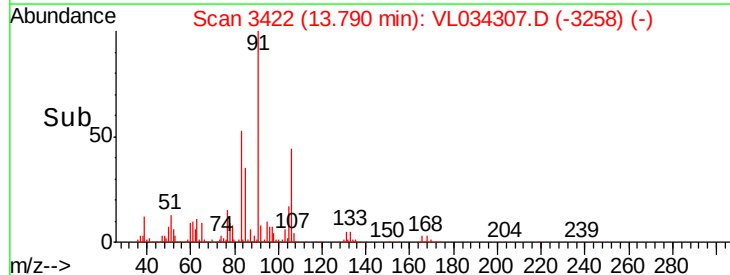
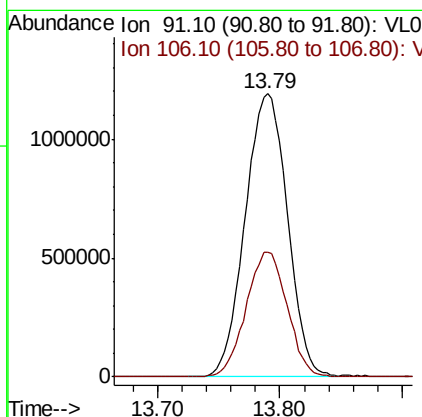
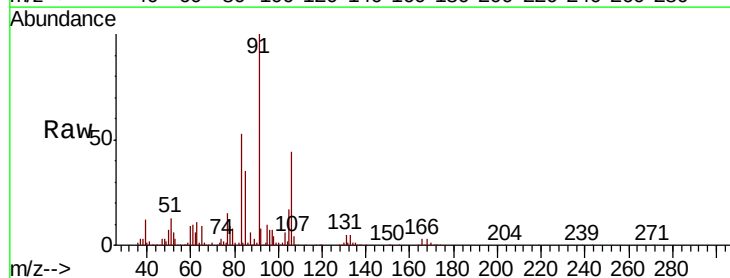
Instrument :
MSVOA_L
ClientSampleId :

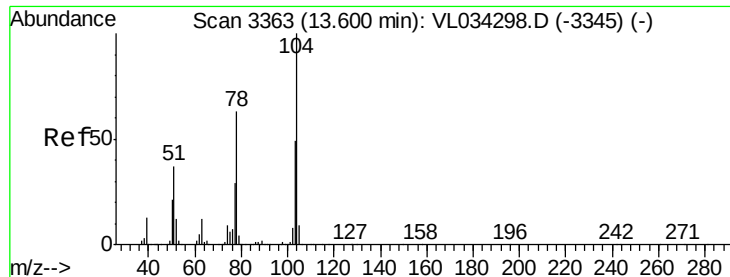
Tot Ion: 91 Resp: 3105783
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#



#60
o-Xylene
Concen: 9.261 ppbv
RT: 13.79 min Scan# 3422
Delta R.T. 0.03 min
Lab File: VL034307.D
Acq: 16 Oct 2019 20:46

Tgt Ion: 91 Resp: 2850286
Ion Ratio Lower Upper
91 100
106 43.1 21.6 64.6





#61

Stvrene

Concen: 10.007 ppbv

RT: 13.63 min Scan# 3371

Delta R.T. 0.03 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Instrument :

MSVOA_L

ClientSampleId :

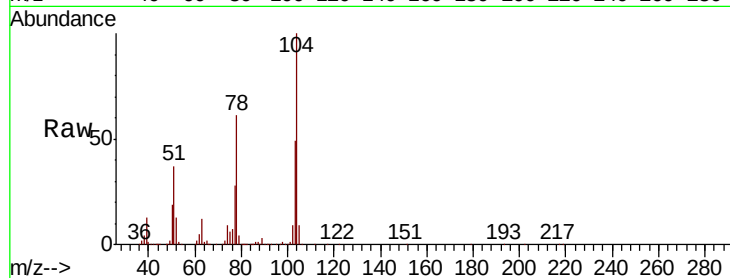
Tot Ion:104 Resp: 2168250

Ion Ratio Lower Upper

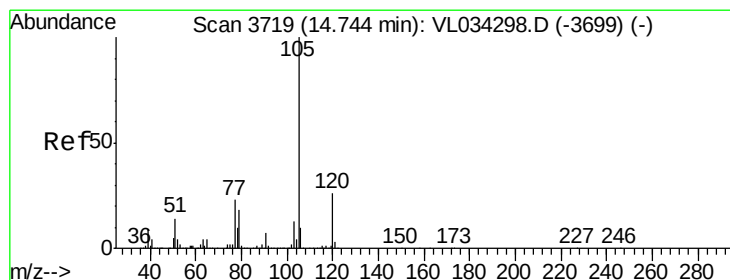
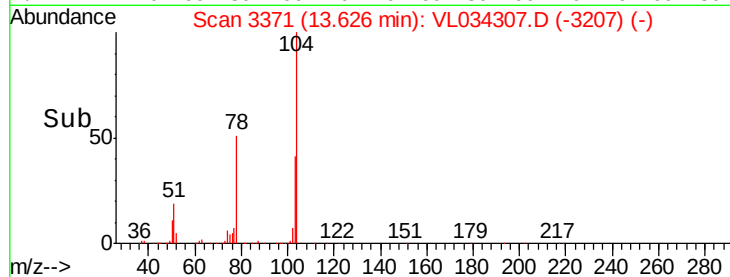
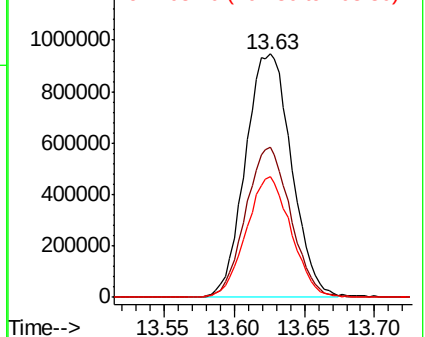
104 100

78 60.1 47.8 71.8

103 48.2 39.0 58.6



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.140 ppbv

RT: 14.77 min Scan# 3726

Delta R.T. 0.02 min

Lab File: VL034307.D

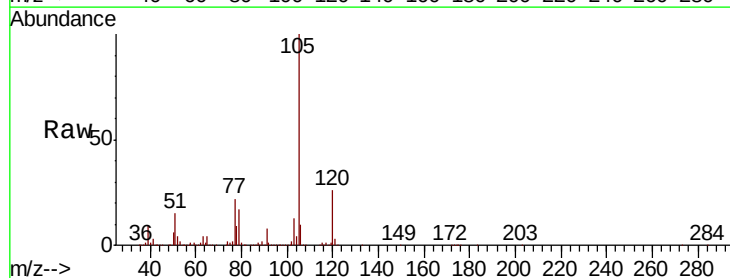
Acq: 16 Oct 2019 20:46

Tgt Ion:105 Resp: 3713279

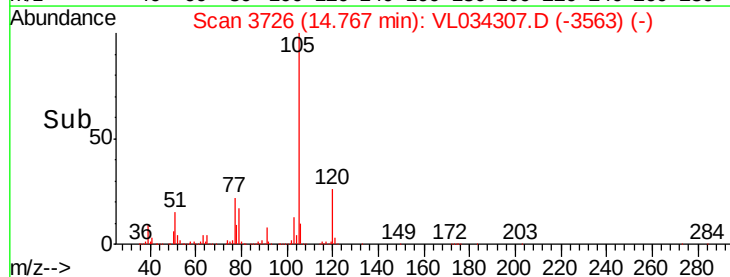
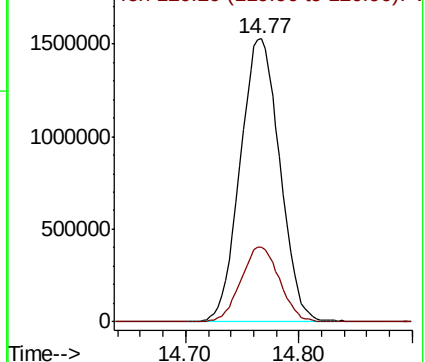
Ion Ratio Lower Upper

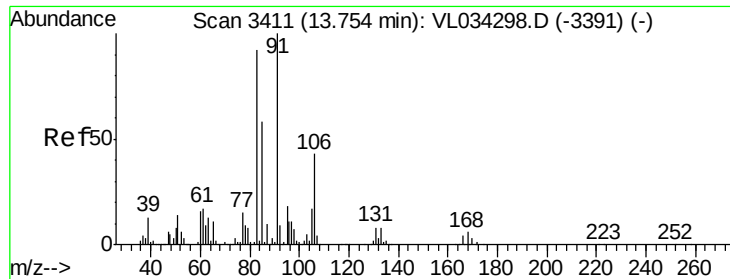
105 100

120 26.0 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 8.239 ppbv

RT: 13.78 min Scan# 3418

Delta R.T. 0.02 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

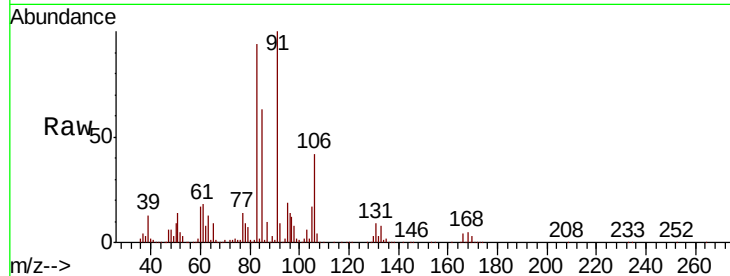
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 83 Resp: 2037723

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	65.4	32.5	97.4

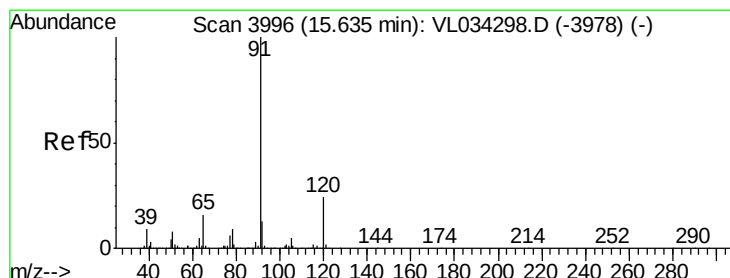
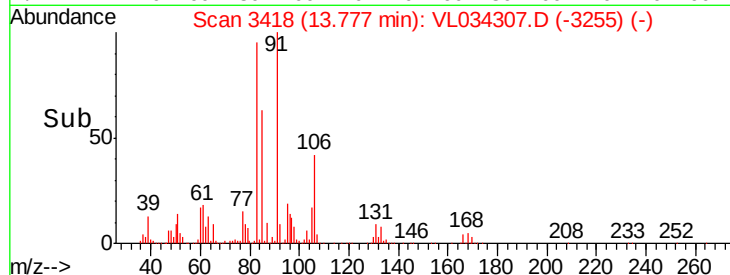
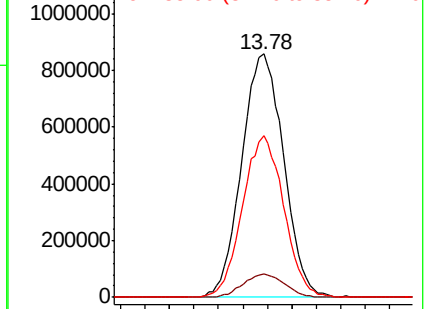


Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.549 ppbv

RT: 15.66 min Scan# 4004

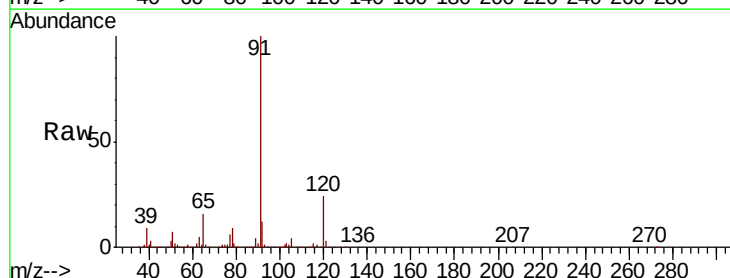
Delta R.T. 0.03 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Tgt Ion:120 Resp: 995634

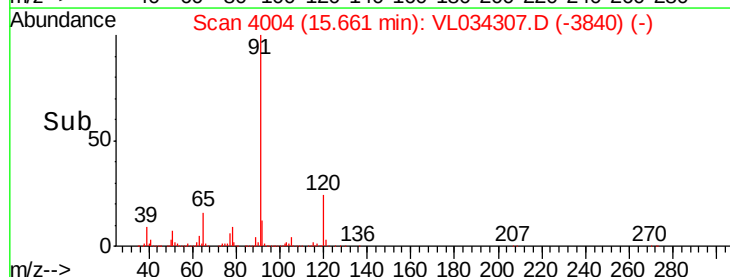
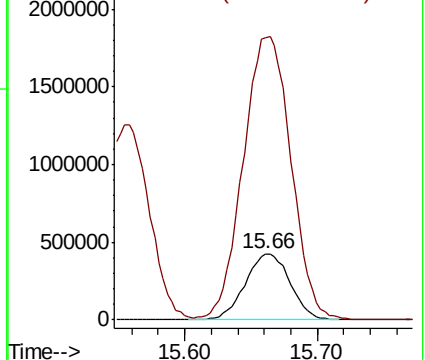
Ion	Ratio	Lower	Upper
120	100		
91	458.9	374.9	562.3

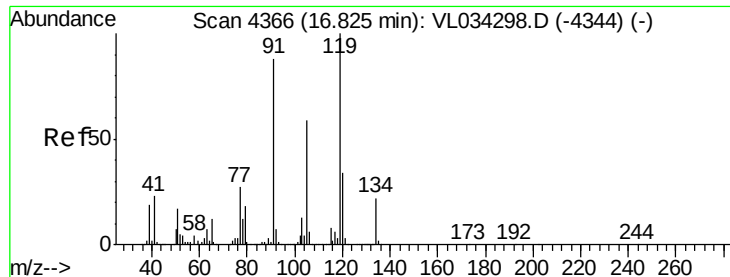


Abundance

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

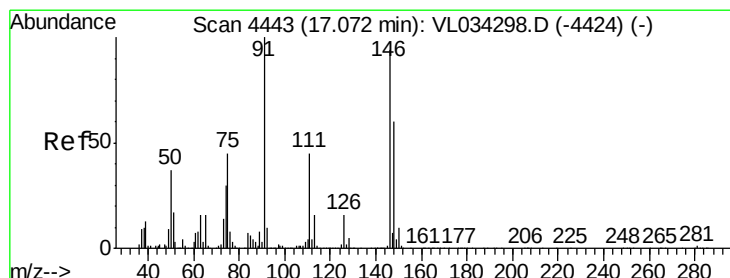
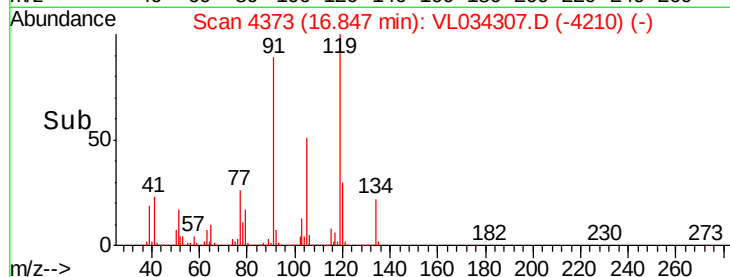
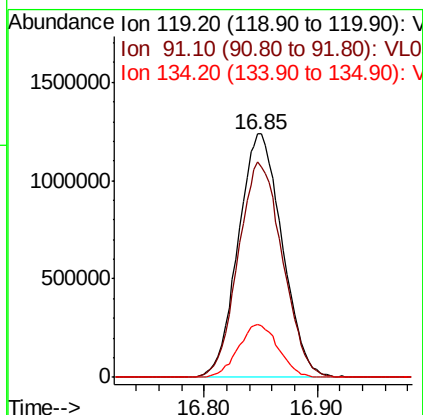
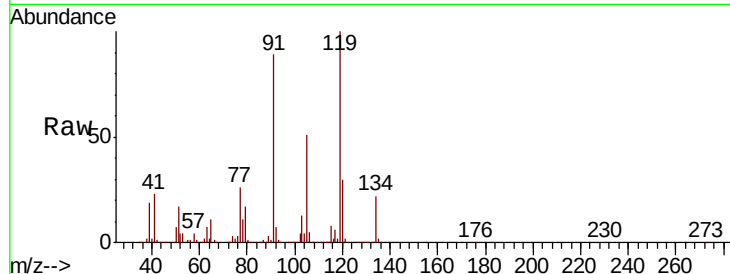




#65
tert-Butylbenzene
Concen: 9.244 ppbv
RT: 16.85 min Scan# 4373
Delta R.T. 0.02 min
Lab File: VL034307.D
Acq: 16 Oct 2019 20:46

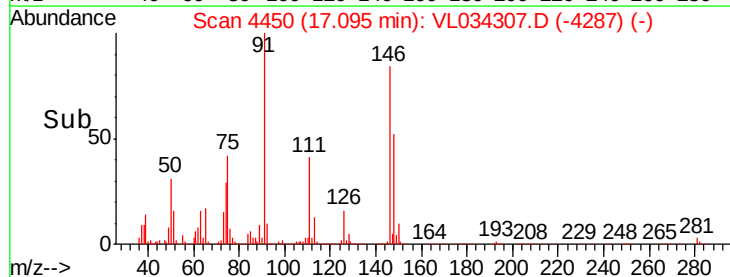
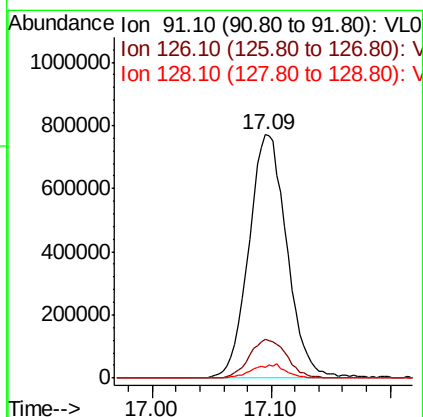
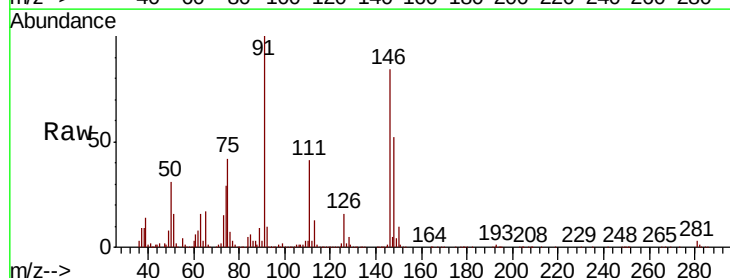
Instrument :
MSVOA_L
ClientSampleId :

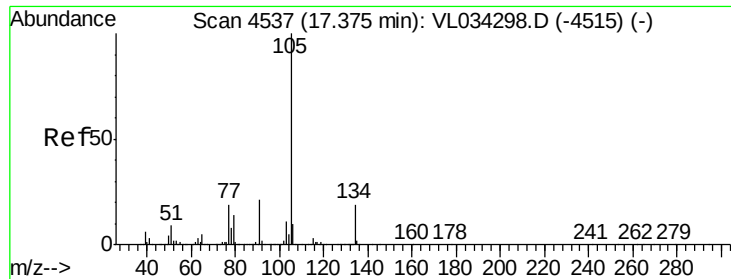
Tot Ion:119 Resp: 3328648
Ion Ratio Lower Upper
119 100
91 89.5 71.4 107.0
134 20.0 15.9 23.9



#66
Benzyl Chloride
Concen: 11.942 ppbv
RT: 17.09 min Scan# 4450
Delta R.T. 0.02 min
Lab File: VL034307.D
Acq: 16 Oct 2019 20:46

Tgt Ion: 91 Resp: 1698353
Ion Ratio Lower Upper
91 100
126 15.9 12.9 19.3
128 5.2 4.3 6.5

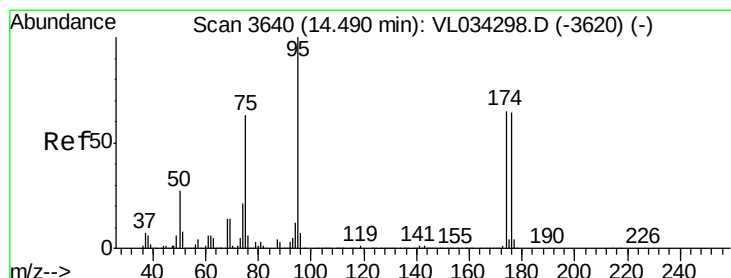
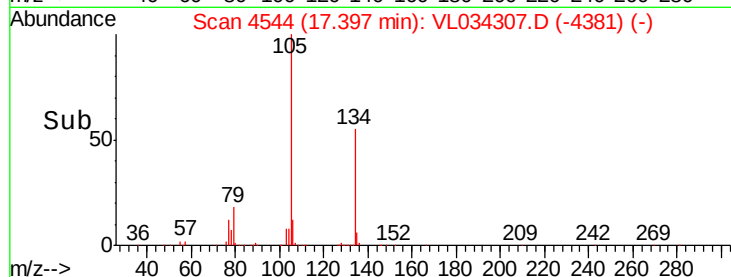
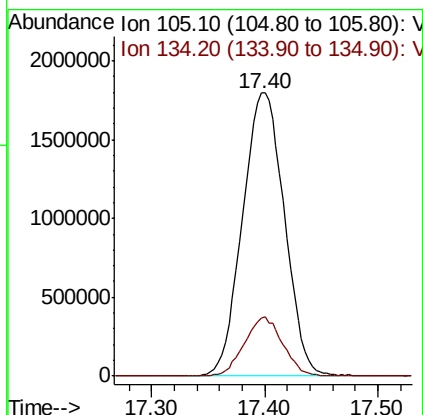
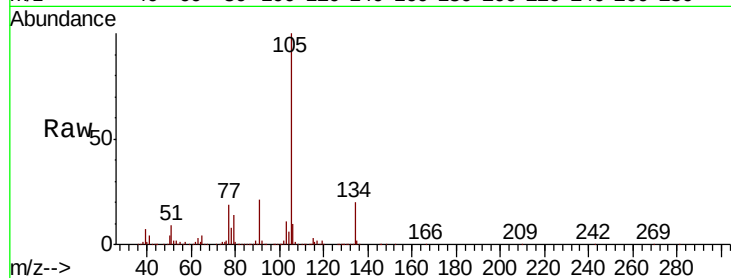




#67
 sec-Butylbenzene
 Concen: 9.113 ppbv
 RT: 17.40 min Scan# 4544
 Delta R.T. 0.02 min
 Lab File: VL034307.D
 Acq: 16 Oct 2019 20:46

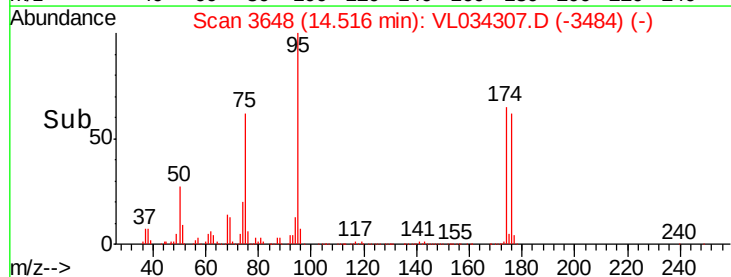
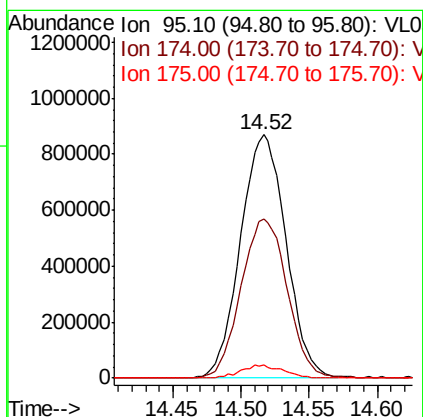
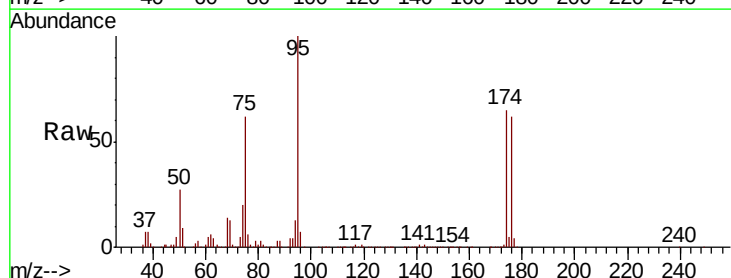
Instrument :
 MSVOA_L
 ClientSampled :

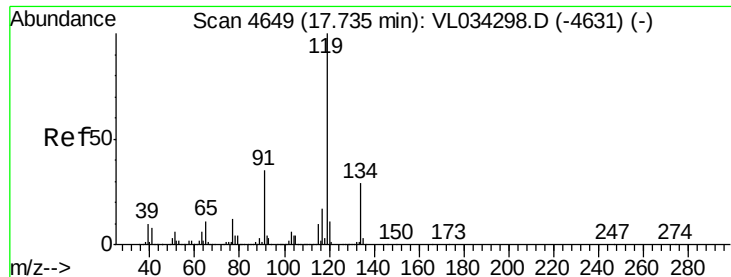
Tot Ion:105 Resp: 4618107
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.4 23.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.302 ppbv
 RT: 14.52 min Scan# 3648
 Delta R.T. 0.03 min
 Lab File: VL034307.D
 Acq: 16 Oct 2019 20:46

Tgt Ion: 95 Resp: 2010490
 Ion Ratio Lower Upper
 95 100
 174 66.7 52.6 78.8
 175 5.0 3.8 5.6





#69

p-Isopropyltoluene

Concen: 9.404 ppbv

RT: 17.76 min Scan# 4656

Delta R.T. 0.02 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

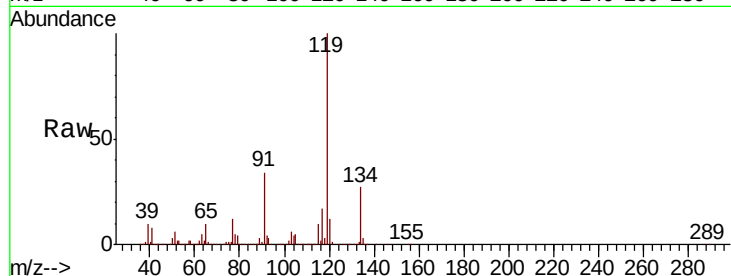
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 119 Resp: 3885217

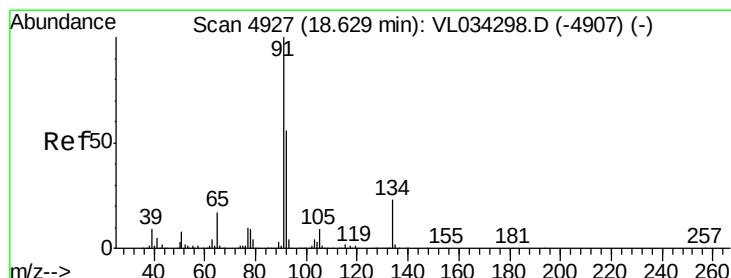
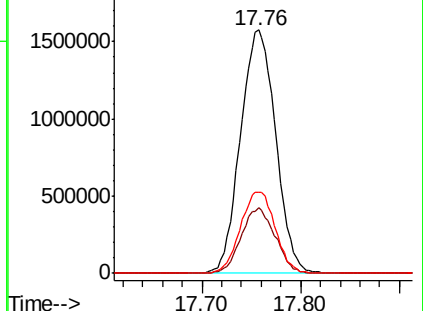
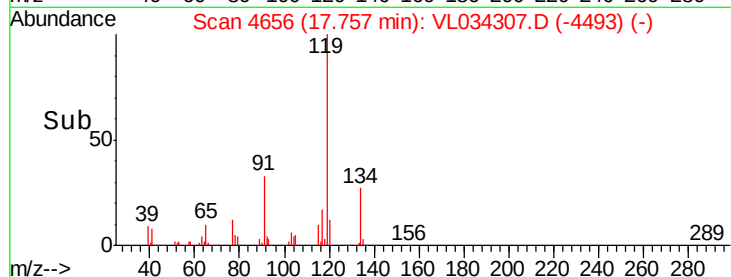
Ion	Ratio	Lower	Upper
119	100		
134	26.0	21.3	31.9
91	33.4	26.6	39.8



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: 9.171 ppbv

RT: 18.65 min Scan# 4935

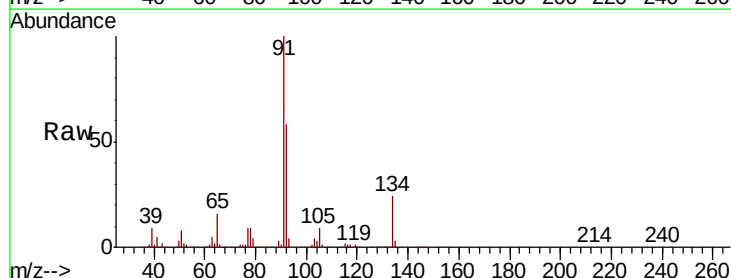
Delta R.T. 0.03 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Tgt Ion: 91 Resp: 4122290

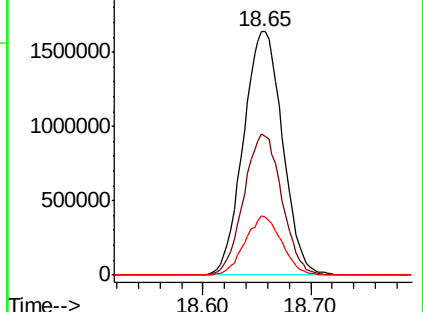
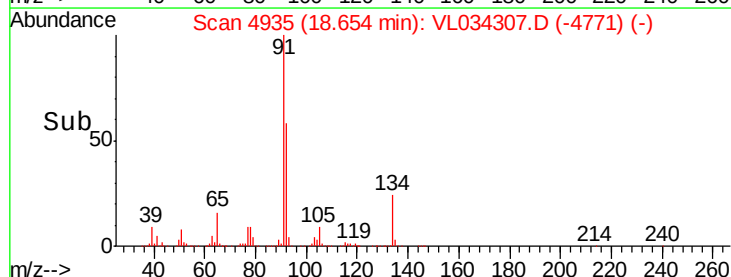
Ion	Ratio	Lower	Upper
91	100		
92	56.3	44.5	66.7
134	22.8	18.2	27.2

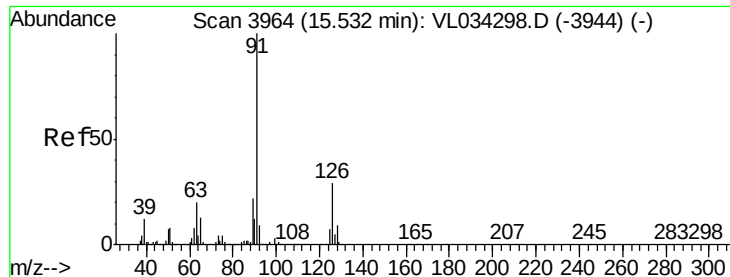


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.459 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. 0.03 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Instrument :

MSVOA_L

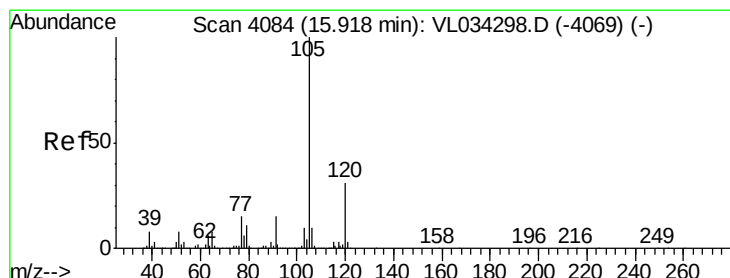
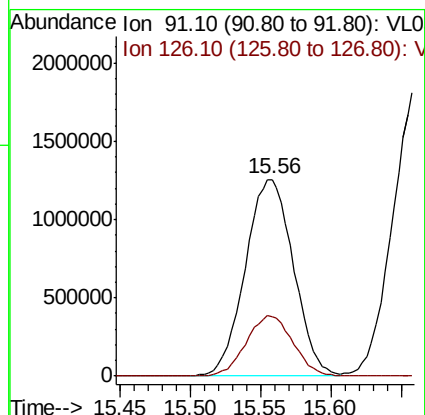
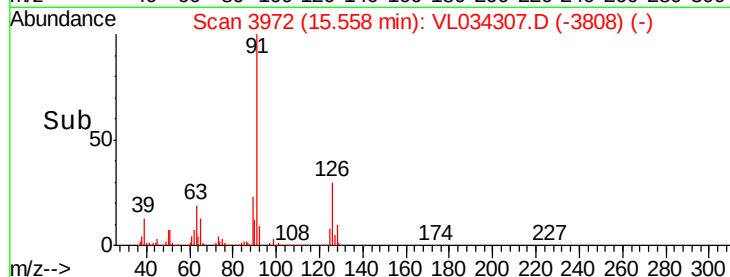
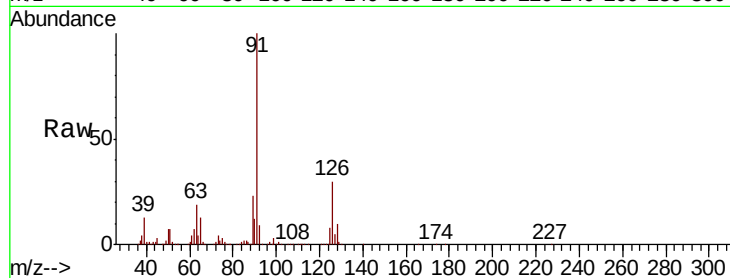
ClientSampled :

Tot Ion: 91 Resp: 2979894

Ion Ratio Lower Upper

91 100

126 30.1 11.9 47.5



#72

4-Ethyltoluene

Concen: 9.643 ppbv

RT: 15.94 min Scan# 4091

Delta R.T. 0.02 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Tgt Ion:105 Resp: 3336099

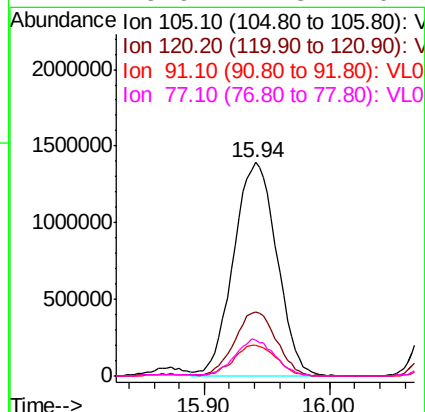
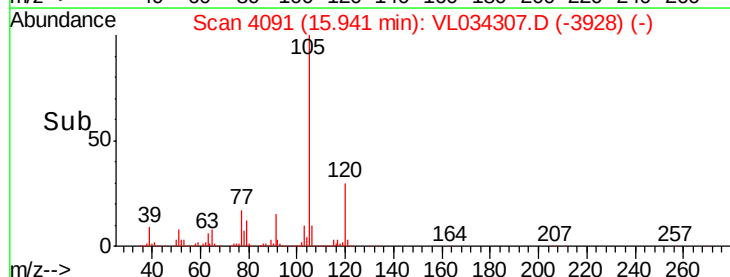
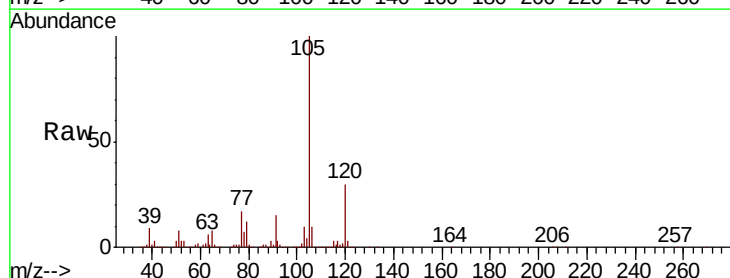
Ion Ratio Lower Upper

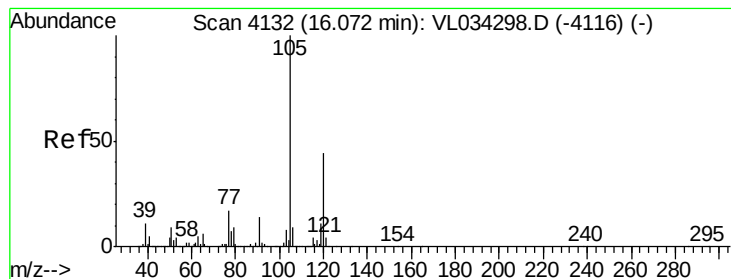
105 100

120 29.2 23.8 35.8

91 14.2 11.2 16.8

77 15.9 12.8 19.2





#73

1,3,5-Trimethylbenzene

Concen: 9.328 ppbv

RT: 16.10 min Scan# 4140

Delta R.T. 0.03 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Instrument :

MSVOA_L

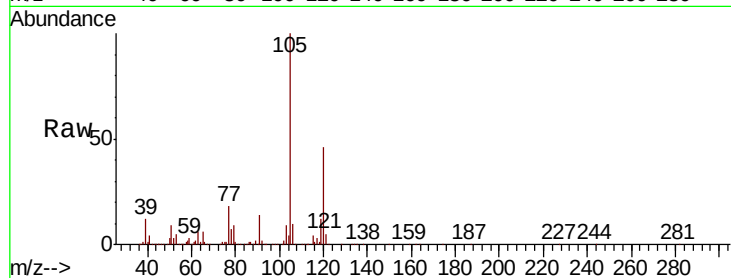
ClientSampleId :

Tot Ion:105 Resp: 3197549

Ion Ratio Lower Upper

105 100

120 46.0 35.2 52.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.10

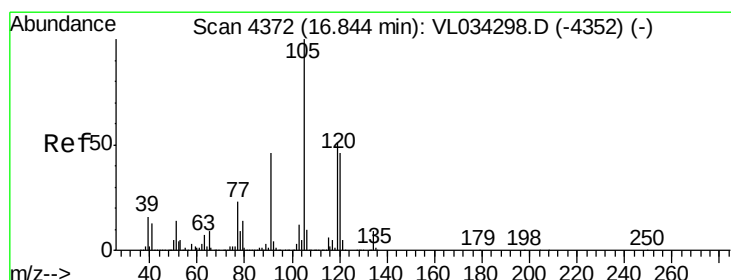
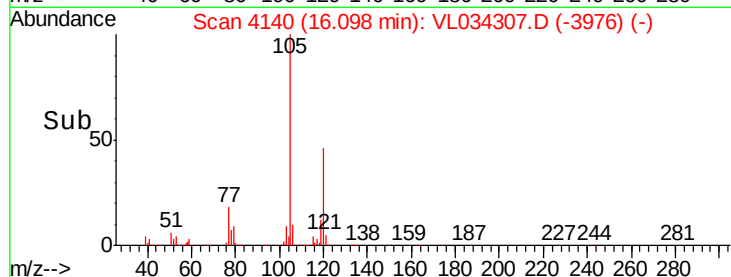
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.272 ppbv

RT: 16.87 min Scan# 4380

Delta R.T. 0.03 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Tgt Ion:105 Resp: 3314545

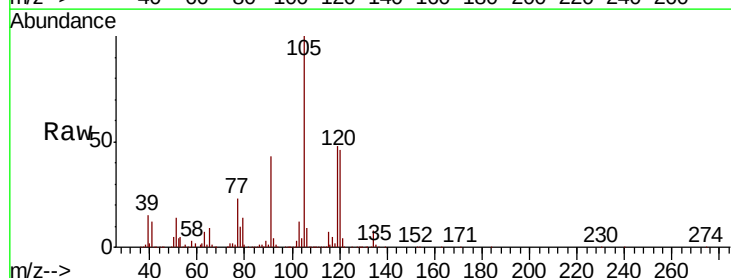
Ion Ratio Lower Upper

105 100

120 45.5 37.0 55.6

91 42.7 38.2 57.2

77 22.5 19.0 28.4



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

2000000

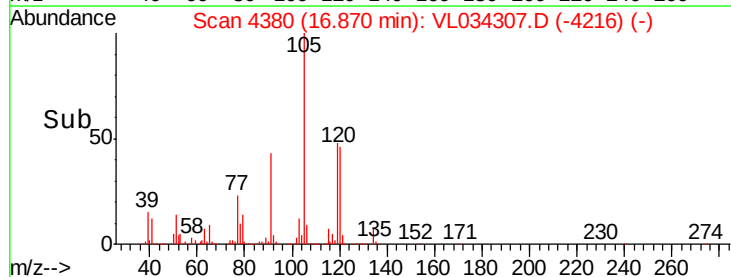
1500000

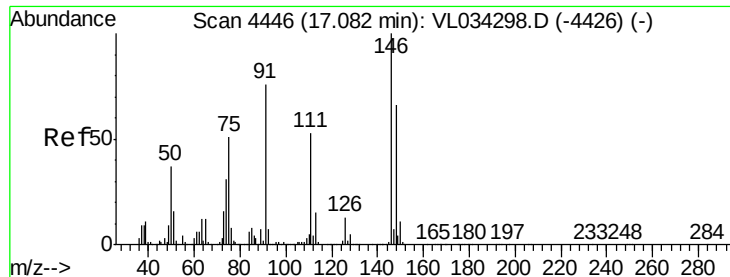
1000000

500000

0

Time-->

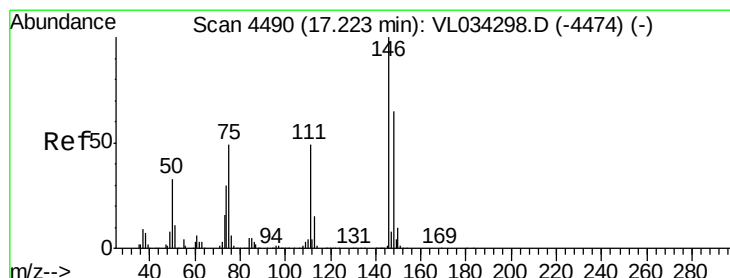
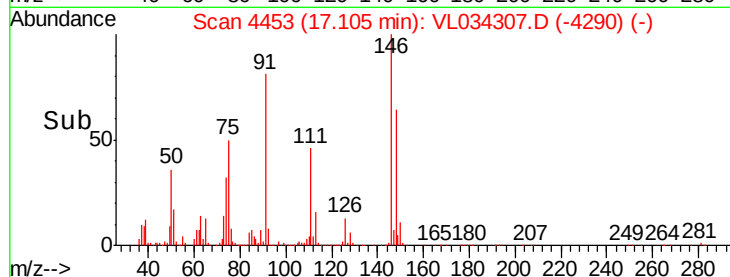
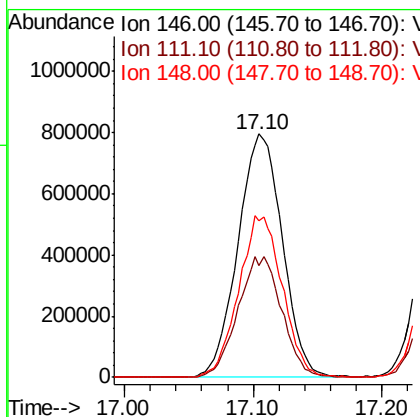
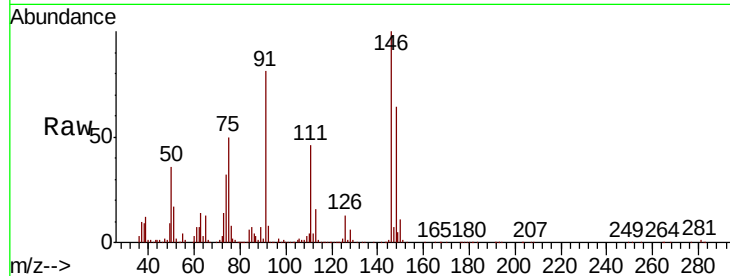




#75
 1,3-Dichlorobenzene
 Concen: 8.839 ppbv
 RT: 17.10 min Scan# 4453
 Delta R.T. 0.02 min
 Lab File: VL034307.D
 Acq: 16 Oct 2019 20:46

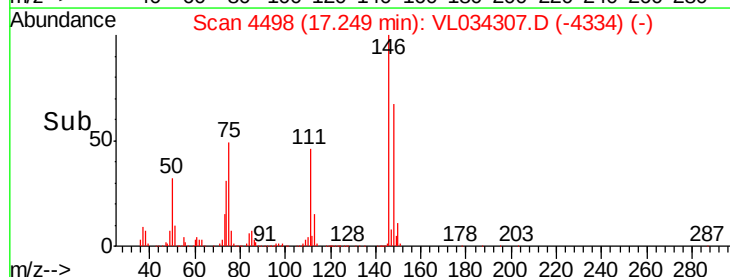
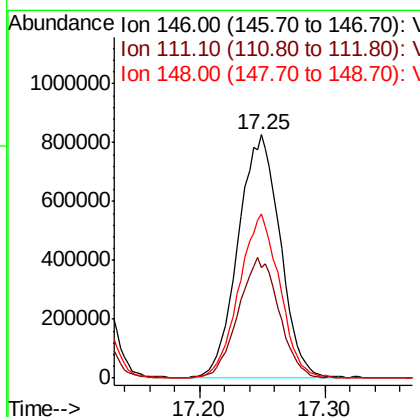
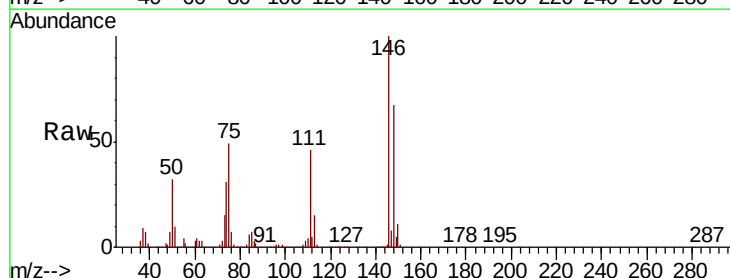
Instrument :
 MSVOA_L
 ClientSampleId :

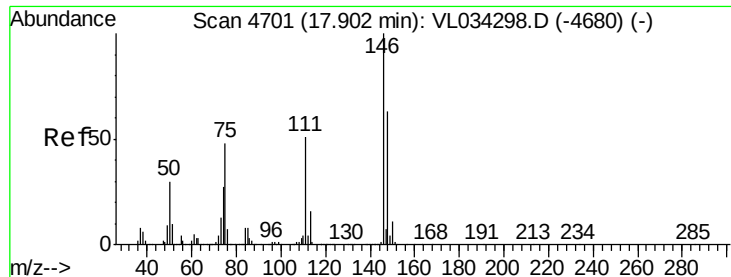
Tot Ion:146 Resp: 1896986
 Ion Ratio Lower Upper
 146 100
 111 49.3 24.5 73.5
 148 65.6 32.3 96.8



#76
 1,4-Dichlorobenzene
 Concen: 9.112 ppbv
 RT: 17.25 min Scan# 4498
 Delta R.T. 0.03 min
 Lab File: VL034307.D
 Acq: 16 Oct 2019 20:46

Tgt Ion:146 Resp: 1910267
 Ion Ratio Lower Upper
 146 100
 111 48.7 23.9 71.7
 148 65.6 33.1 99.2

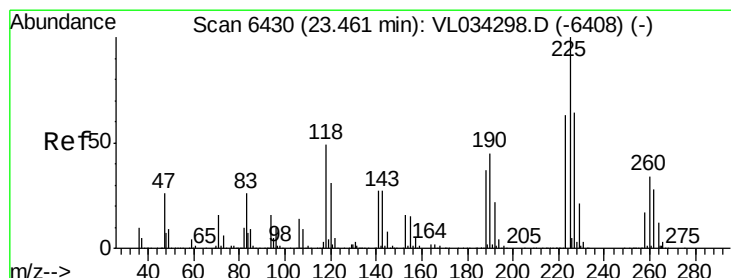
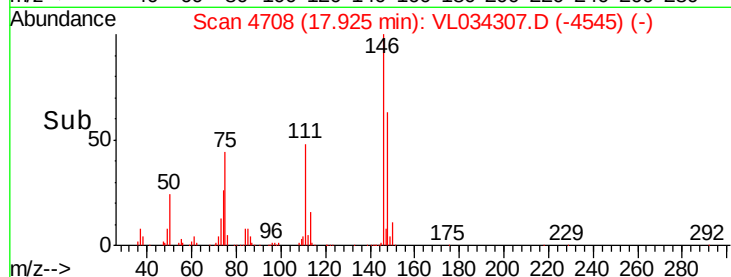
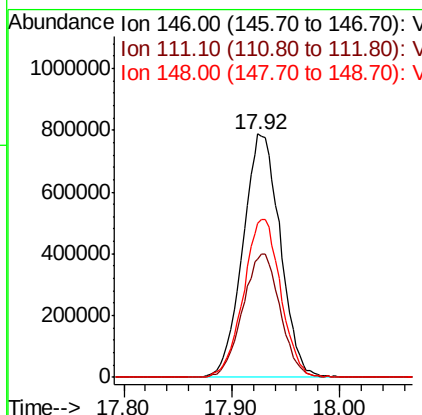
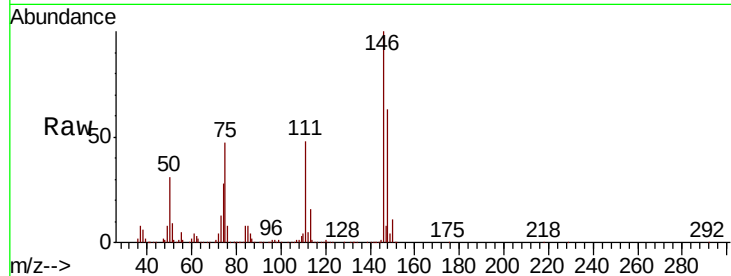




#77
 1,2-Dichlorobenzene
 Concen: 9.018 ppbv
 RT: 17.92 min Scan# 4708
 Delta R.T. 0.02 min
 Lab File: VL034307.D
 Acq: 16 Oct 2019 20:46

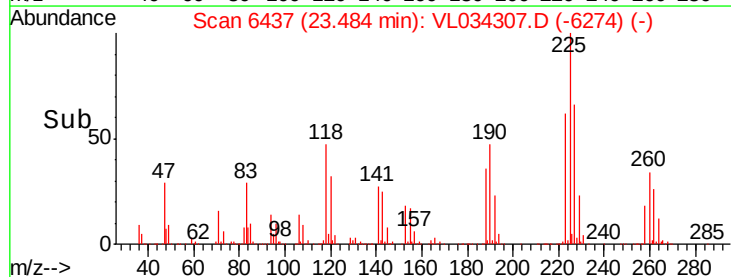
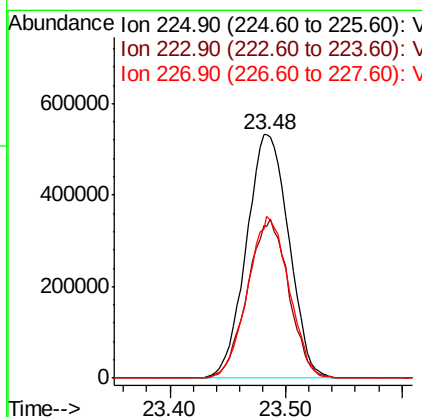
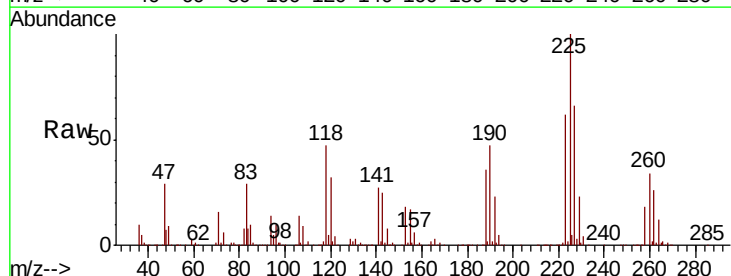
Instrument :
 MSVOA_L
 ClientSampleId :

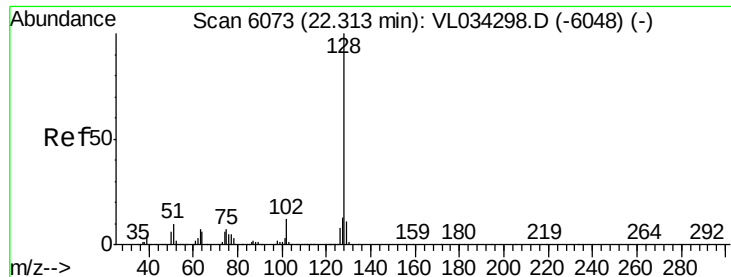
Tot Ion:146 Resp: 1897616
 Ion Ratio Lower Upper
 146 100
 111 50.9 25.1 75.3
 148 64.6 32.3 96.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.775 ppbv
 RT: 23.48 min Scan# 6437
 Delta R.T. 0.02 min
 Lab File: VL034307.D
 Acq: 16 Oct 2019 20:46

Tgt Ion:225 Resp: 1353293
 Ion Ratio Lower Upper
 225 100
 223 63.4 50.8 76.2
 227 64.4 51.5 77.3





#79

Naphthalene

Concen: 10.825 ppbv

RT: 22.34 min Scan# 6080

Delta R.T. 0.02 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Instrument :

MSVOA_L

ClientSampleId :

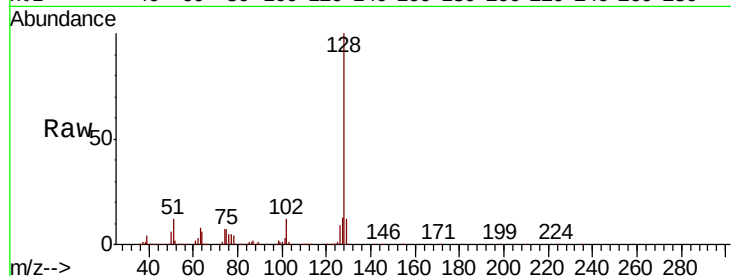
Tot Ion:128 Resp: 2826779

Ion Ratio Lower Upper

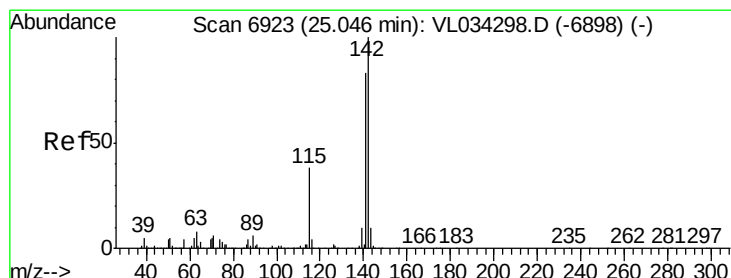
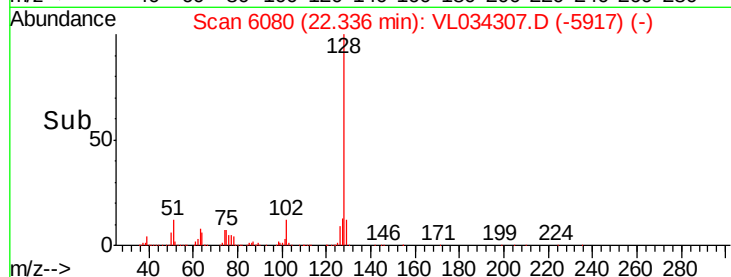
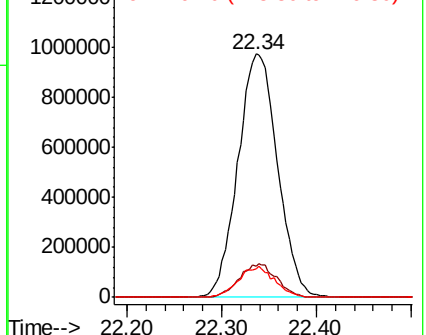
128 100

127 12.8 10.2 15.4

129 11.9 8.9 13.3



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: 12.725 ppbv

RT: 25.07 min Scan# 6929

Delta R.T. 0.02 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

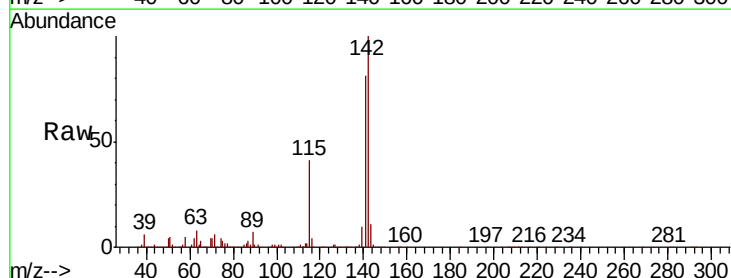
Tgt Ion:142 Resp: 960506

Ion Ratio Lower Upper

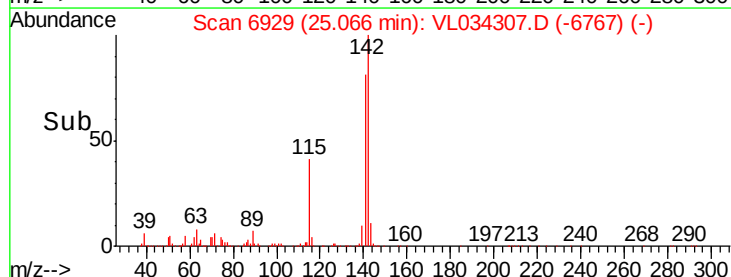
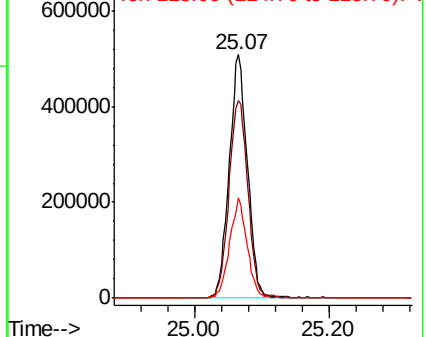
142 100

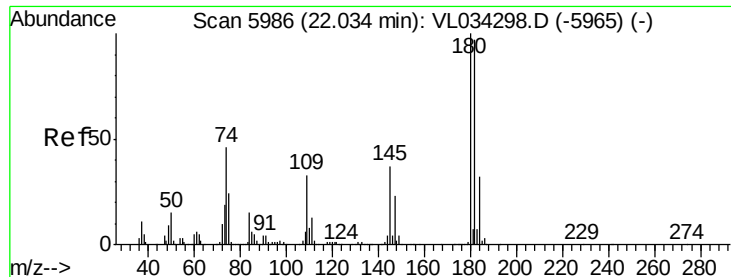
141 84.3 65.7 98.5

115 39.2 30.9 46.3



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





#81

1,2,4-Trichlorobenzene

Concen: 10.143 ppbv

RT: 22.06 min Scan# 5994

Delta R.T. 0.03 min

Lab File: VL034307.D

Acq: 16 Oct 2019 20:46

Instrument :

MSVOA_L

ClientSampleId :

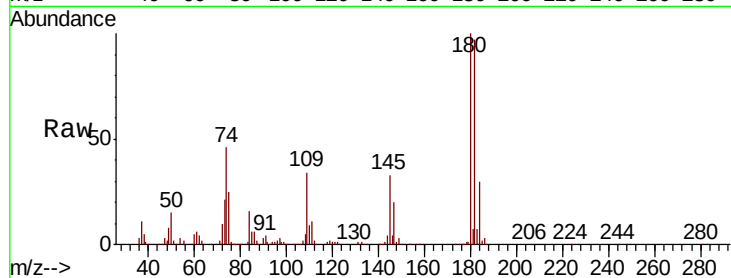
Tot Ion:180 Resp: 1729992

Ion Ratio Lower Upper

180 100

182 96.4 77.8 116.8

184 30.5 25.4 38.2



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

