

Data File : VL034205.D
Acq On : 2 Oct 2019 9:40
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Oct 03 05:36:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1092378	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1930567	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	2109075	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.50	95	1779102	9.71	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1335531	8.277	ppbv	99
3) Chlorodifluoromethane	2.97	51	1305394	10.192	ppbv	100
4) Chloromethane	3.12	50	794804	10.560	ppbv	98
5) Vinyl Chloride	3.24	62	717712	10.434	ppbv	99
6) Bromomethane	3.46	94	343545	10.705	ppbv	99
7) Chloroethane	3.55	64	255964	10.646	ppbv	100
8) Dichlorotetrafluoroethane	3.17	85	1444942	10.146	ppbv	98
9) Propene	2.99	41	659382	10.435	ppbv	99
10) Heptane	8.17	43	1700016	10.322	ppbv	99
11) Trichlorofluoromethane	3.95	101	1518407	10.338	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	987192	10.270	ppbv	99
13) Ethanol	3.60	45	141067	9.219	ppbv	97
14) Bromoethene	3.74	108	435705	11.087	ppbv	99
15) Acetone	3.85	43	1315924	8.988	ppbv	100
16) 1,3-Butadiene	3.31	39	688593	10.777	ppbv	99
17) tert-Butyl alcohol	4.30	59	1175772	12.675	ppbv	100
18) 1,1-Dichloroethene	4.29	96	456842	10.897	ppbv	94
19) Isopropyl Alcohol	3.97	45	1041841	11.572	ppbv	100
20) Methylene Chloride	4.35	84	412149	9.764	ppbv	97
21) Allyl Chloride	4.42	41	915659	11.073	ppbv	100
22) trans-1,2-Dichloroethene	4.90	96	463949	11.061	ppbv	94
23) Vinyl Acetate	5.09	43	2290546	10.617	ppbv	99
24) 1,1-Dichloroethane	5.03	63	1482822	10.207	ppbv	99
25) Ethyl Acetate	5.70	43	2761699	9.975	ppbv	100
26) Hexane	5.72	57	1167156	10.134	ppbv	99
27) Carbon Disulfide	4.56	76	1243968	11.712	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1858615	10.866	ppbv	100
29) Chloroform	5.78	83	1728987	10.506	ppbv	97
30) Cyclohexane	7.18	84	876768	10.545	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1269002	10.809	ppbv	99
32) 1,1,1-Trichloroethane	6.55	97	1661952	10.471	ppbv	99
34) 2-Butanone	5.26	43	1940078	9.842	ppbv	99
35) Carbon Tetrachloride	7.06	117	1616902	10.081	ppbv	99
36) Benzene	6.93	78	2150428	10.086	ppbv	98
37) 1,2-Dichloroethane	6.35	62	1549359	10.216	ppbv	100
38) Trichloroethene	7.89	130	732191	9.611	ppbv	98
39) 1,2-Dichloropropane	7.66	63	966290	10.086	ppbv	99
40) 1,4-Dioxane	7.88	88	328044	10.581	ppbv #	89
41) Tetrahydrofuran	6.08	42	1164420	10.488	ppbv	100
42) Bromodichloromethane	7.84	83	1915203	10.523	ppbv	99
43) Methyl Methacrylate	8.06	69	958635	10.884	ppbv	98

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QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

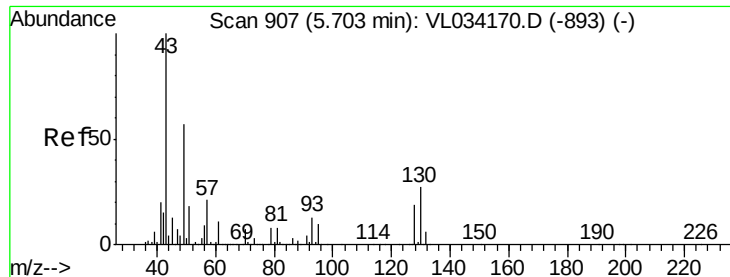
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3978650	9.693	ppbv	99
45) t-1,3-Dichloropropene	9.34	75	1269298	12.188	ppbv	100
46) cis-1,3-Dichloropropene	8.76	75	1427834	11.397	ppbv	98
47) 1,1,2-Trichloroethane	9.54	97	859374	9.990	ppbv	96
48) Dibromochloromethane	10.38	129	1460503	10.712	ppbv	100
49) Bromoform	13.12	173	669416	6.067	ppbv #	26
50) 4-Methyl-2-Pentanone	8.79	43	2823204	9.841	ppbv	100
51) 2-Hexanone	10.19	43	2436839	10.121	ppbv #	99
52) Tetrachloroethene	11.29	164	665337	9.445	ppbv	96
53) Toluene	9.87	91	2395295	10.279	ppbv	99
54) 1,2-Dibromoethane	10.68	107	1310792	10.246	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.20	131	934551	9.936	ppbv	99
57) Chlorobenzene	12.22	112	1712452	9.326	ppbv	98
58) Ethyl Benzene	12.79	91	3268858	9.606	ppbv	98
59) m/p-Xylene	13.07	91	2341822	8.308	ppbv #	14
60) o-Xylene	13.77	91	2626344	9.318	ppbv	99
61) Styrene	13.61	104	2004786	9.930	ppbv	99
62) Isopropylbenzene	14.75	105	3423526	9.383	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.76	83	1952042	8.446	ppbv	100
64) n-propylbenzene	15.64	120	890000	9.642	ppbv	93
65) tert-Butylbenzene	16.83	119	2898229	9.091	ppbv	100
66) Benzyl Chloride	17.08	91	1565743	13.882	ppbv	99
67) sec-Butylbenzene	17.38	105	4252962	9.329	ppbv	100
69) p-Isopropyltoluene	17.74	119	3444568	9.331	ppbv	99
70) n-Butylbenzene	18.63	91	3955103	9.202	ppbv	99
71) 2-Chlorotoluene	15.54	91	2826653	9.482	ppbv	99
72) 4-Ethyltoluene	15.92	105	3059713	9.609	ppbv	99
73) 1,3,5-Trimethylbenzene	16.08	105	2914734	9.475	ppbv	99
74) 1,2,4-Trimethylbenzene	16.85	105	2937592	8.993	ppbv	97
75) 1,3-Dichlorobenzene	17.09	146	1604461	9.155	ppbv	99
76) 1,4-Dichlorobenzene	17.23	146	1640967	9.143	ppbv	99
77) 1,2-Dichlorobenzene	17.91	146	1615341	9.107	ppbv	100
78) Hexachloro-1,3-Butadiene	23.47	225	1183307	10.072	ppbv	99
79) Naphthalene	22.31	128	2677953	9.312	ppbv	97
80) Naphthalene,2-methyl-	25.05	142	1449081	10.836	ppbv	98
81) 1,2,4-Trichlorobenzene	22.04	180	1457251	9.148	ppbv	98

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration

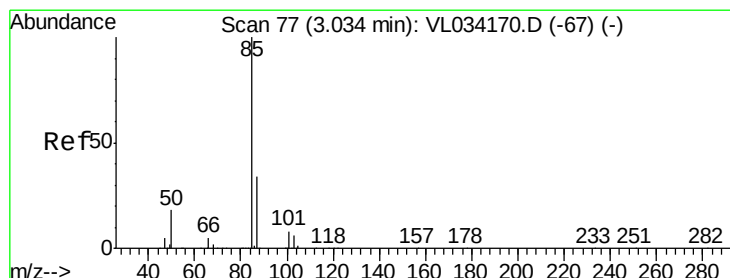
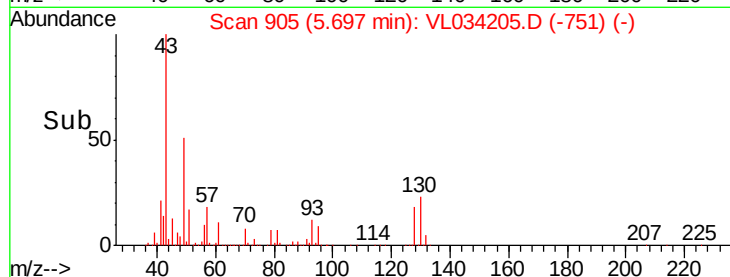
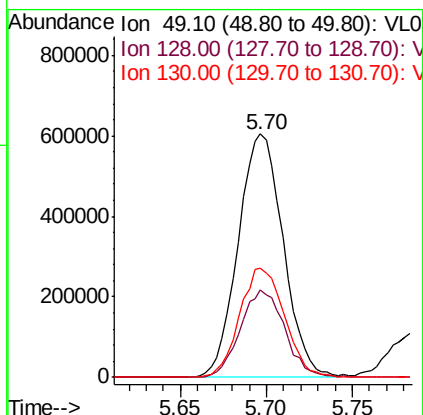
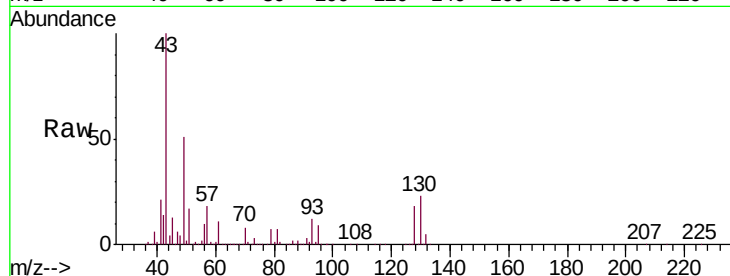




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.70 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

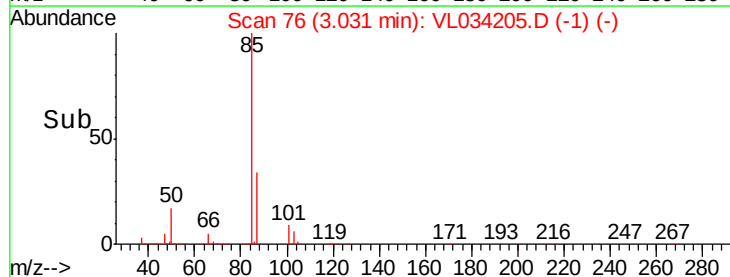
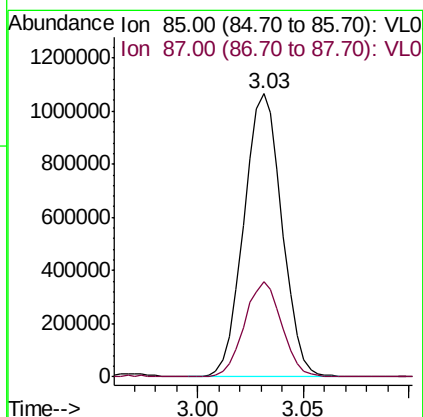
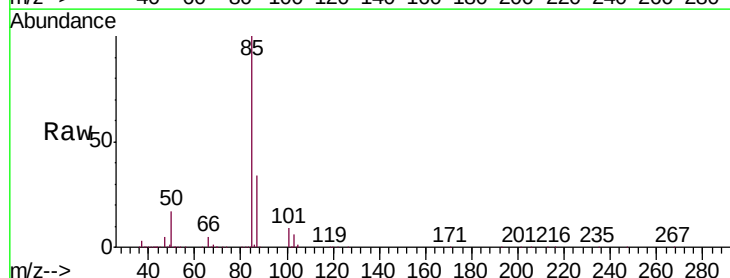
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

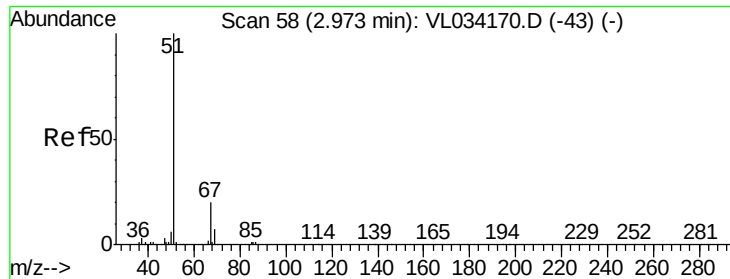
Tgt Ion: 49 Resp: 1092378
 Ion Ratio Lower Upper
 49 100
 128 35.6 17.6 52.9
 130 45.3 22.3 66.9



#2
 Dichlorodifluoromethane
 Concen: 8.277 ppbv
 RT: 3.03 min Scan# 76
 Delta R.T. -0.00 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

Tgt Ion: 85 Resp: 1335531
 Ion Ratio Lower Upper
 85 100
 87 33.7 27.2 40.8





#3

Chlorodifluoromethane

Concen: 10.192 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Instrument :

MSVOA_L

ClientSampleId :

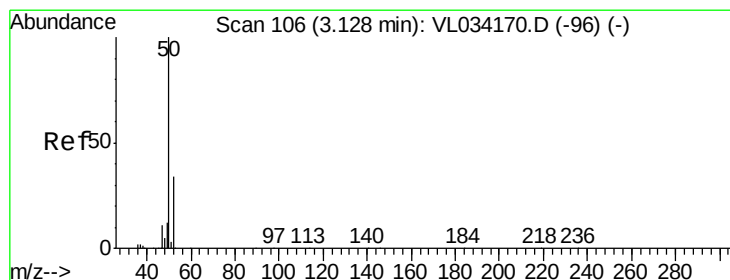
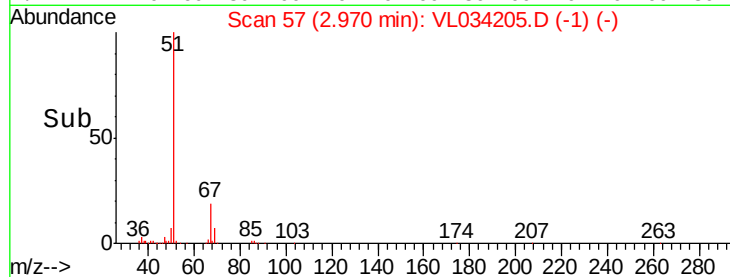
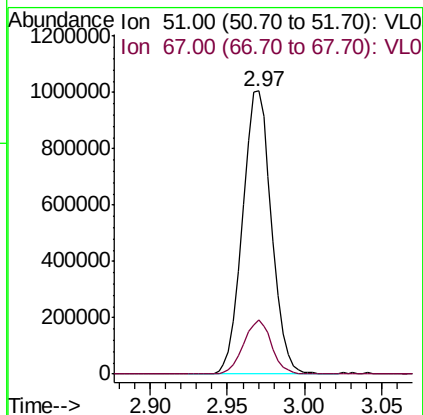
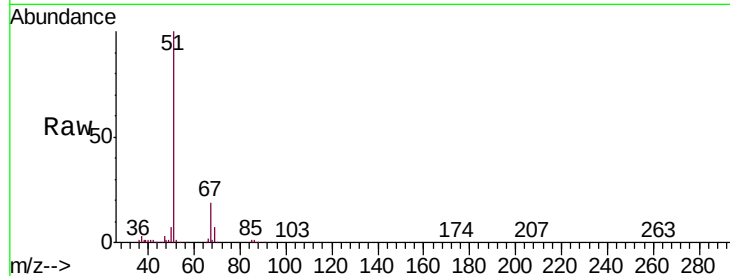
VSTDCCC010

Tgt Ion: 51 Resp: 1305394

Ion Ratio Lower Upper

51 100

67 18.6 14.8 22.2



#4

Chloromethane

Concen: 10.560 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL034205.D

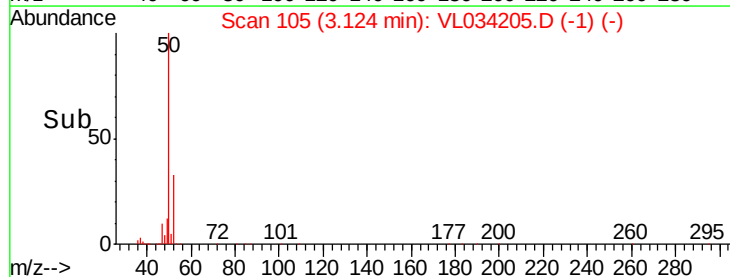
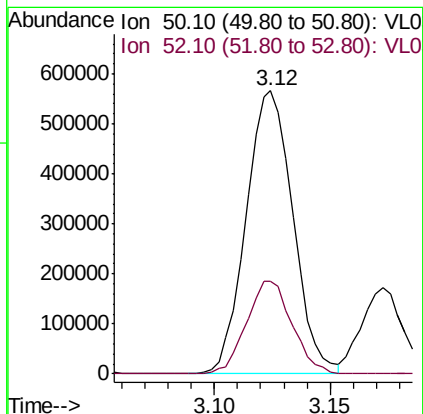
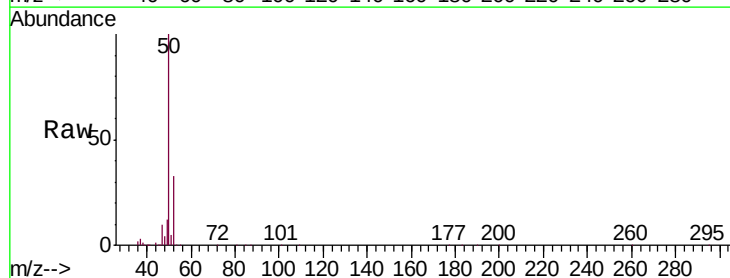
Acq: 2 Oct 2019 9:40

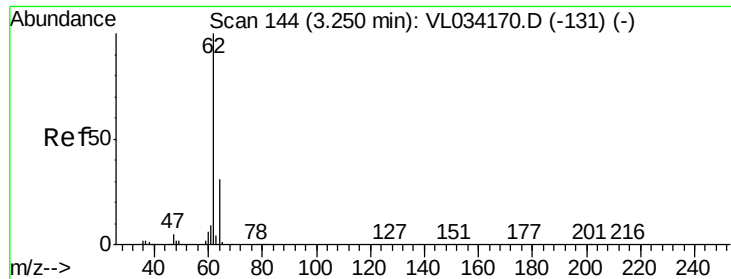
Tgt Ion: 50 Resp: 794804

Ion Ratio Lower Upper

50 100

52 32.9 27.1 40.7





#5

Vinyl Chloride

Concen: 10.434 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Instrument :

MSVOA_L

ClientSampleId :

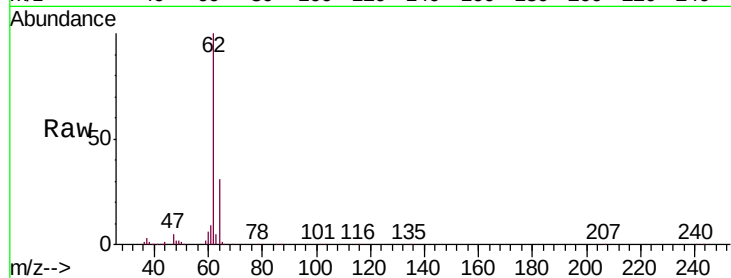
VSTDCCC010

Tgt Ion: 62 Resp: 717712

Ion Ratio Lower Upper

62 100

64 31.0 25.2 37.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

600000

500000

400000

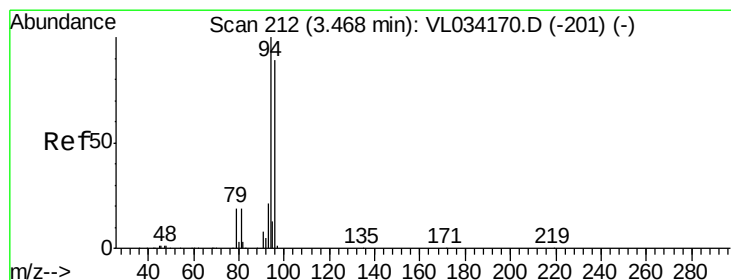
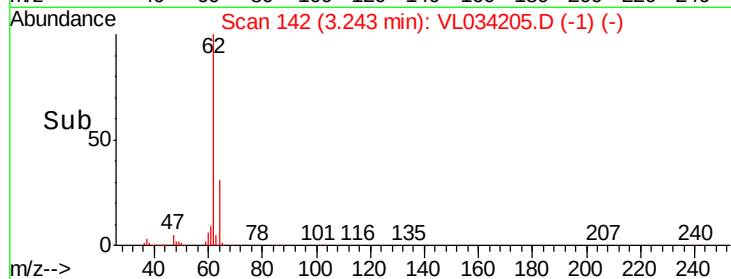
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.705 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL034205.D

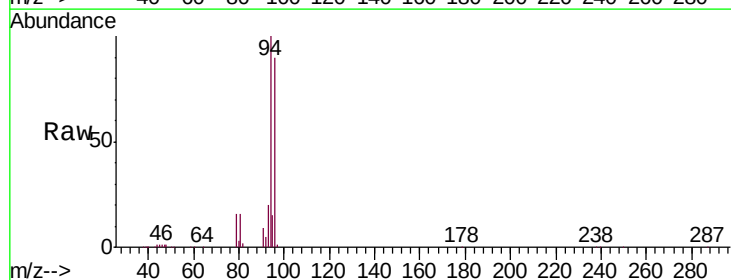
Acq: 2 Oct 2019 9:40

Tgt Ion: 94 Resp: 343545

Ion Ratio Lower Upper

94 100

96 90.1 71.3 106.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

250000

200000

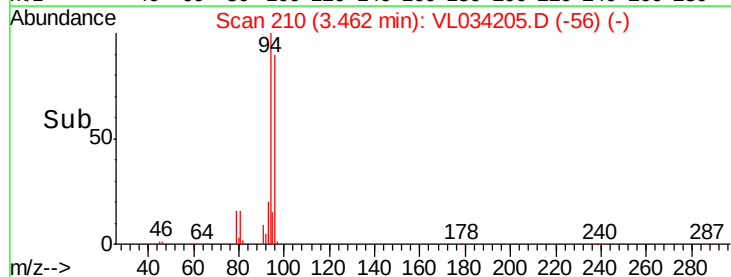
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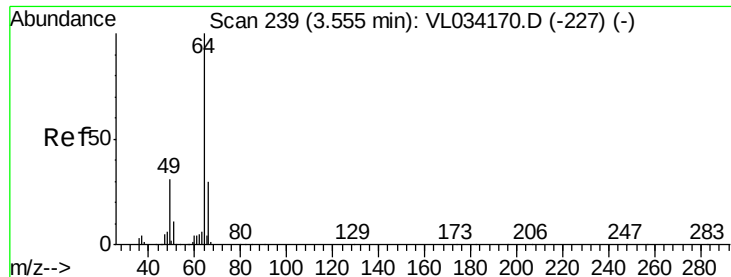
100000

50000

0

Time-->





#7

Chloroethane

Concen: 10.646 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Instrument :

MSVOA_L

ClientSampleId :

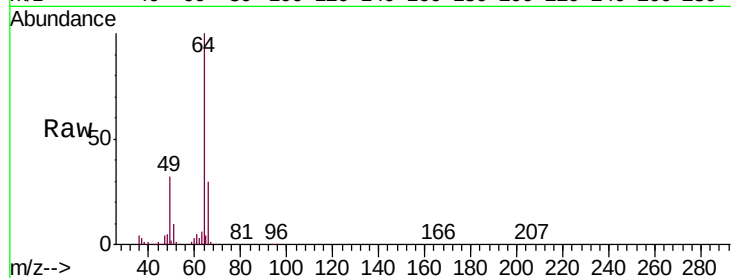
VSTDCCC010

Tgt Ion: 64 Resp: 255964

Ion Ratio Lower Upper

64 100

66 30.2 24.2 36.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

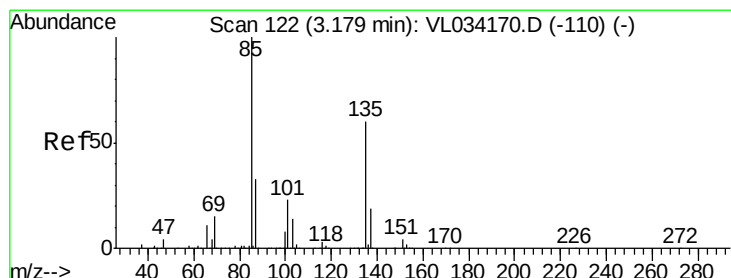
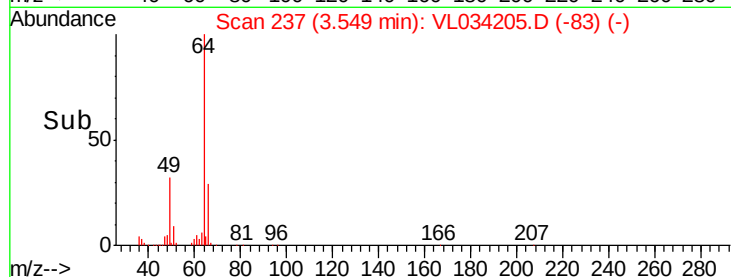
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.146 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.01 min

Lab File: VL034205.D

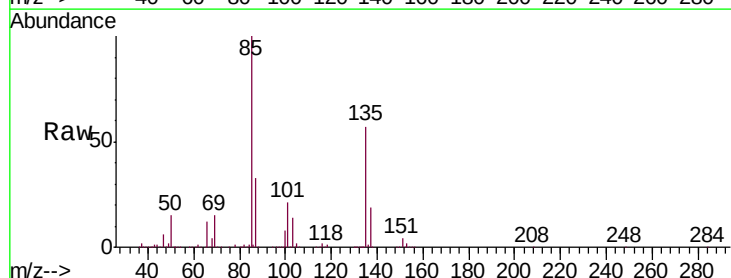
Acq: 2 Oct 2019 9:40

Tgt Ion: 85 Resp: 1444942

Ion Ratio Lower Upper

85 100

135 57.6 47.3 70.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.17

1200000

1000000

800000

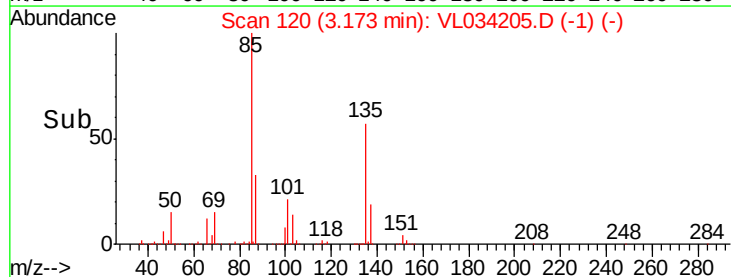
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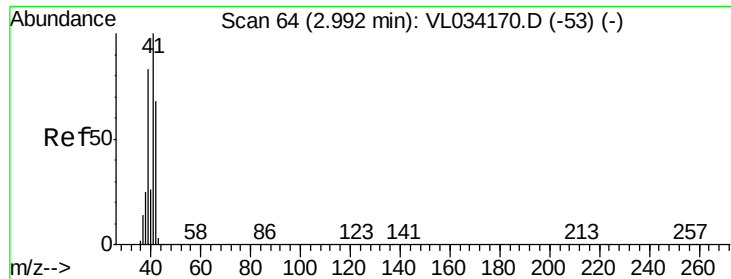
400000

200000

0

Time-->





#9

Propene

Concen: 10.435 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Instrument :

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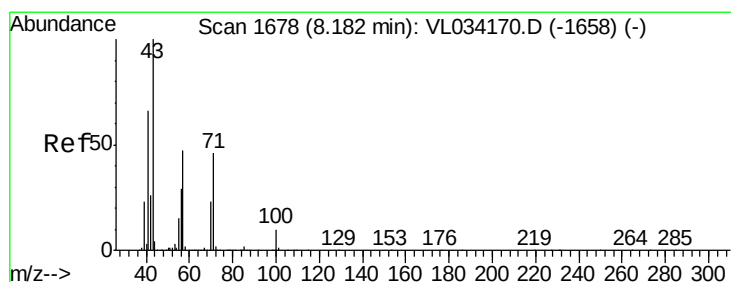
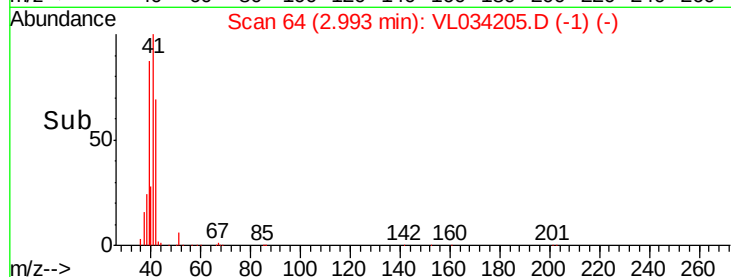
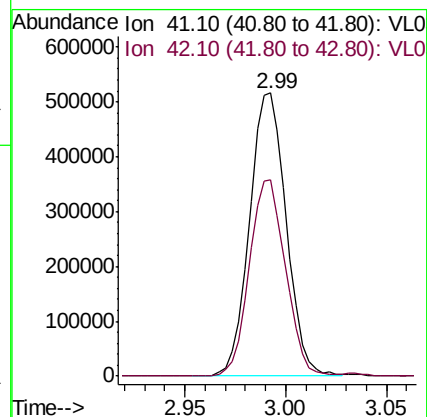
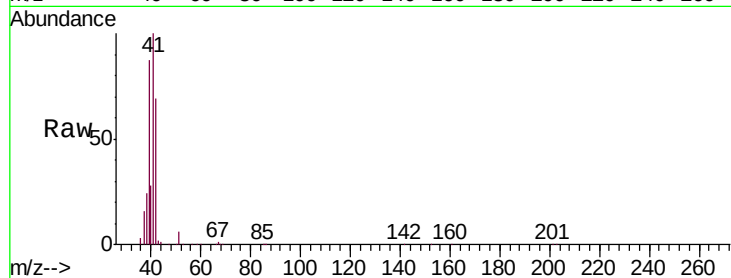
VSTDCCC010

Tgt Ion: 41 Resp: 659382

Ion Ratio Lower Upper

41 100

42 69.1 55.8 83.6



#10

Heptane

Concen: 10.322 ppbv

RT: 8.17 min Scan# 1675

Delta R.T. -0.01 min

Lab File: VL034205.D

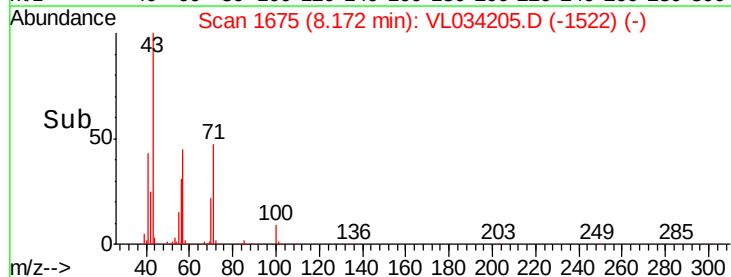
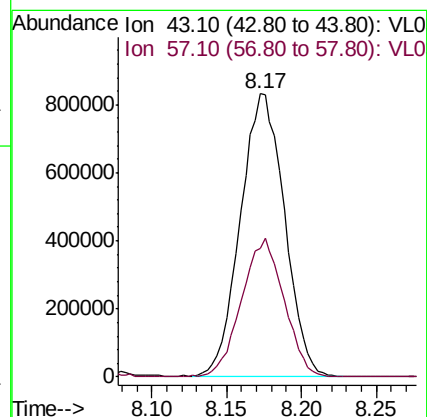
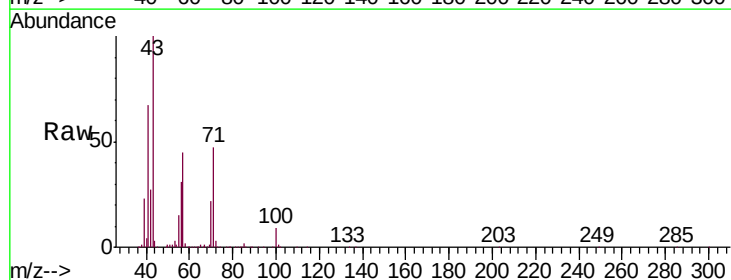
Acq: 2 Oct 2019 9:40

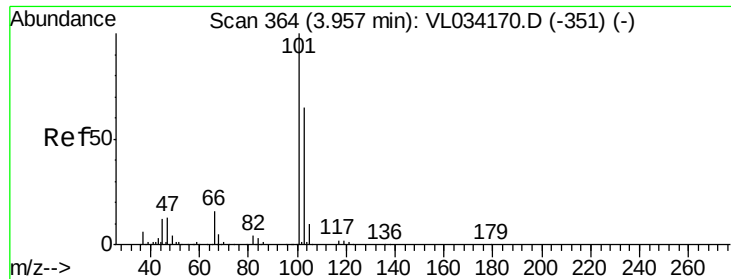
Tgt Ion: 43 Resp: 1700016

Ion Ratio Lower Upper

43 100

57 47.4 37.5 56.3

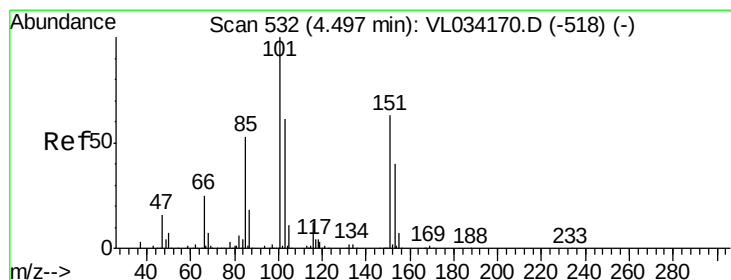
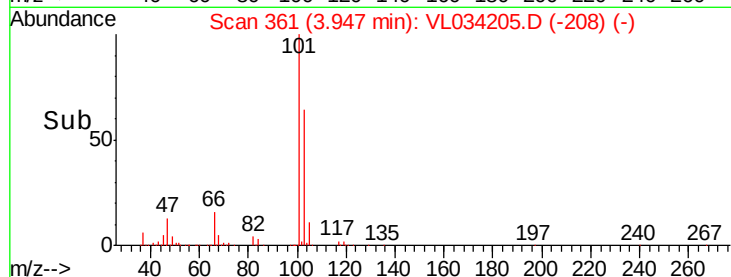
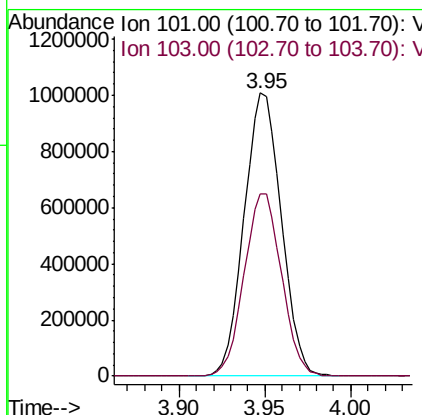
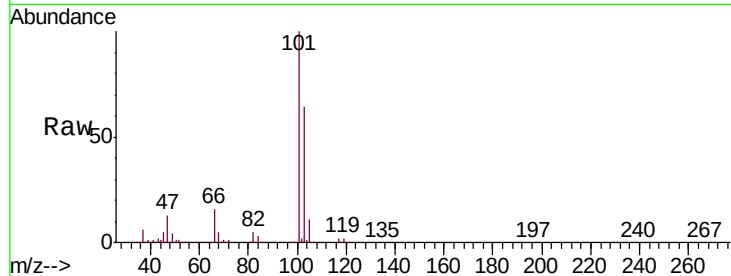




#11
 Trichlorofluoromethane
 Concen: 10.338 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

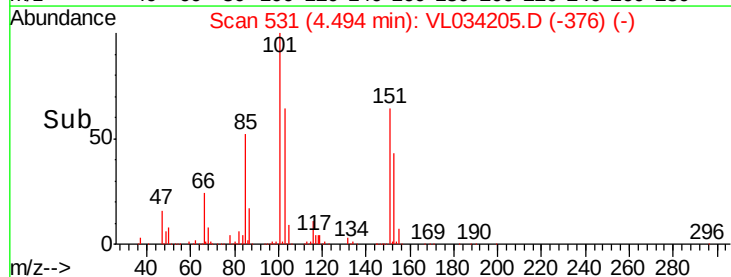
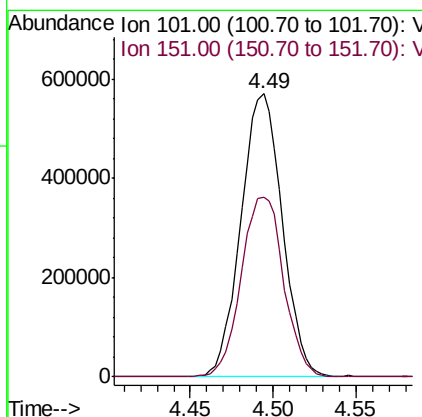
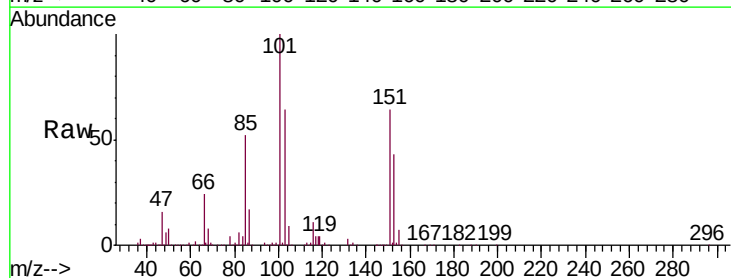
Instrument :
 MSVOA_L
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 VSTDCCC010

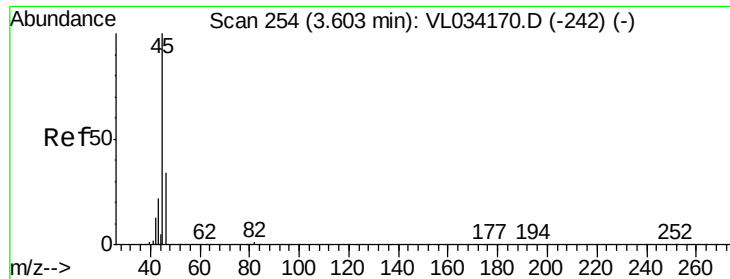
Tgt Ion:101 Resp: 1518407
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.1 78.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.270 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

Tgt Ion:101 Resp: 987192
 Ion Ratio Lower Upper
 101 100
 151 65.6 51.8 77.8





#13

Ethanol

Concen: 9.219 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.00 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Instrument :

MSVOA_L

ClientSampleId :

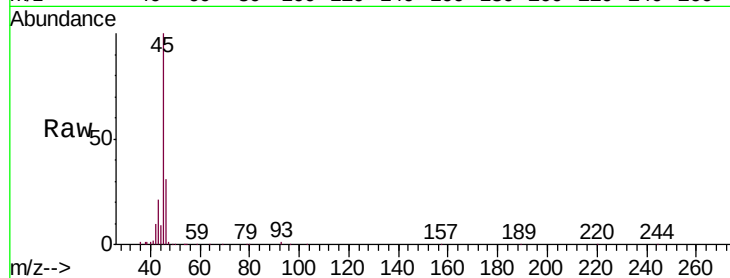
VSTDCCC010

Tgt Ion: 45 Resp: 141067

Ion Ratio Lower Upper

45 100

46 36.7 15.5 61.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.60

80000

60000

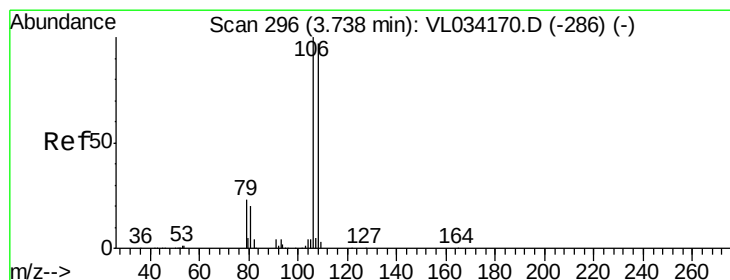
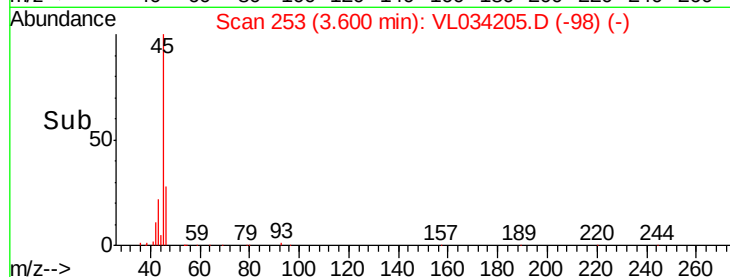
40000

20000

0

Time-->

3.55 3.60 3.65



#14

Bromoethene

Concen: 11.087 ppbv

RT: 3.74 min Scan# 295

Delta R.T. -0.00 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

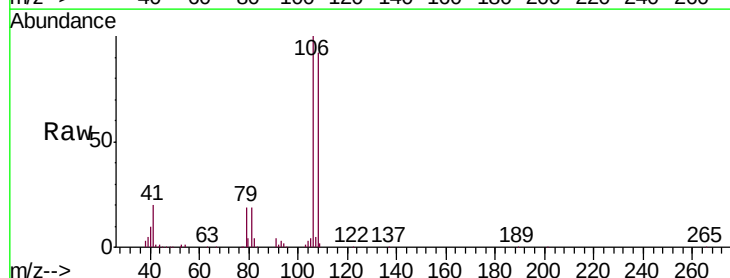
Tgt Ion: 108 Resp: 435705

Ion Ratio Lower Upper

108 100

106 107.0 86.2 129.4

79 22.1 18.6 27.8



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

3.74

400000

300000

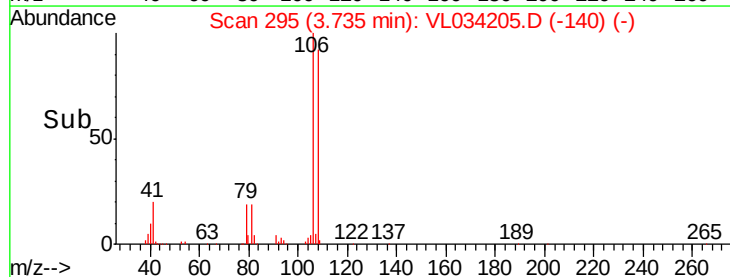
200000

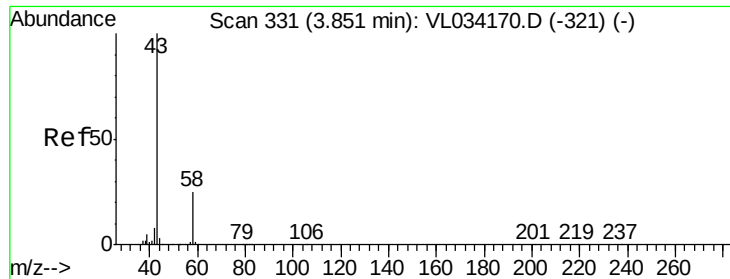
100000

0

Time-->

3.70 3.75 3.80

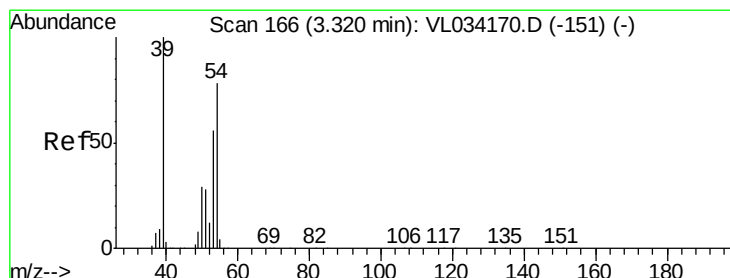
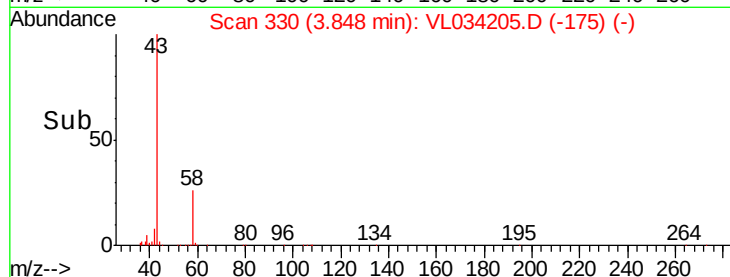
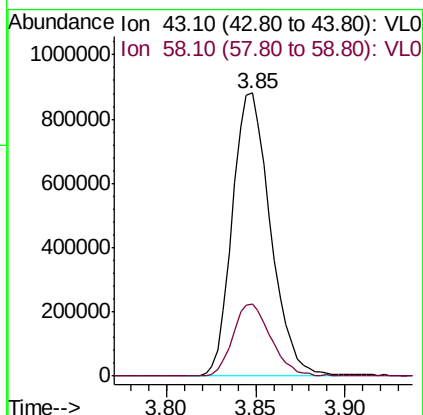
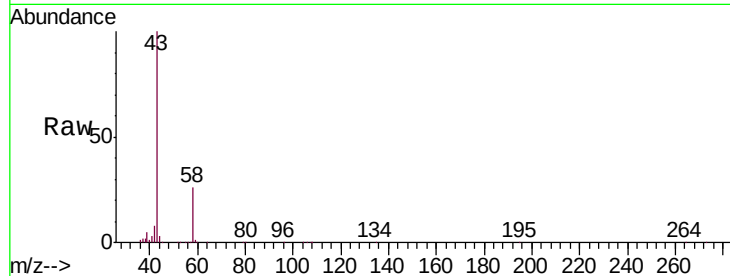




#15
Acetone
Concen: 8.988 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL034205.D
Acq: 2 Oct 2019 9:40

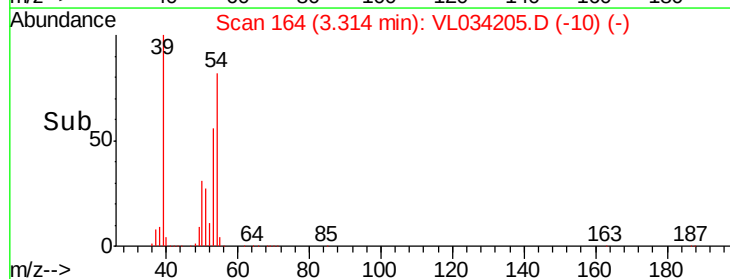
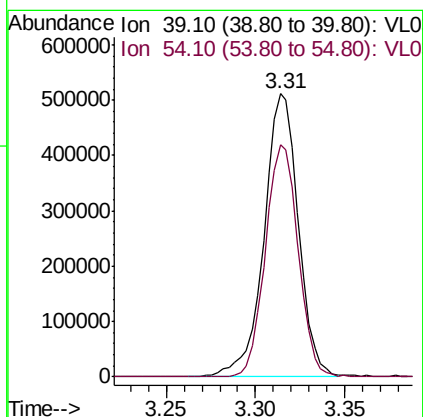
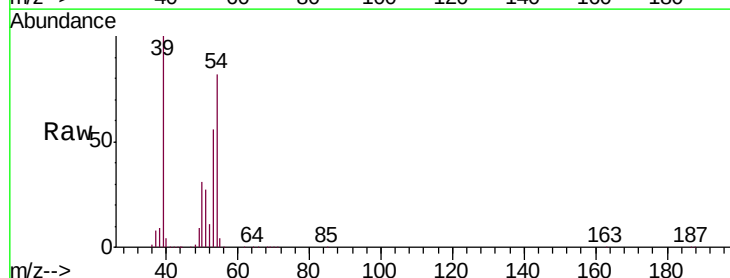
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

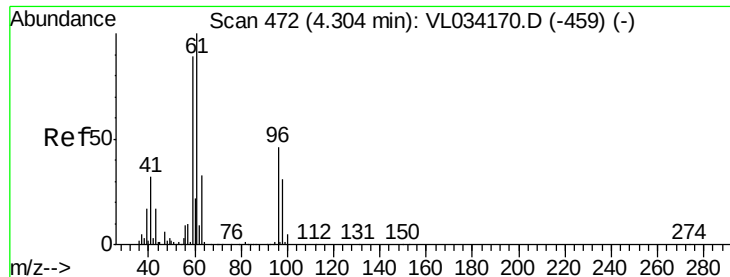
Tgt Ion: 43 Resp: 1315924
Ion Ratio Lower Upper
43 100
58 25.6 20.5 30.7



#16
1,3-Butadiene
Concen: 10.777 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.01 min
Lab File: VL034205.D
Acq: 2 Oct 2019 9:40

Tgt Ion: 39 Resp: 688593
Ion Ratio Lower Upper
39 100
54 78.7 63.4 95.0





#17

tert-Butyl alcohol

Concen: 12.675 ppbv

RT: 4.30 min Scan# 470

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Instrument :

MSVOA_L

ClientSampleId :

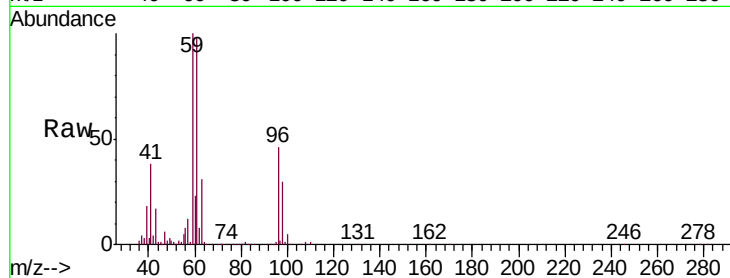
VSTDCCC010

Tgt Ion: 59 Resp: 1175772

Ion Ratio Lower Upper

59 100

57 11.0 8.7 13.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.30

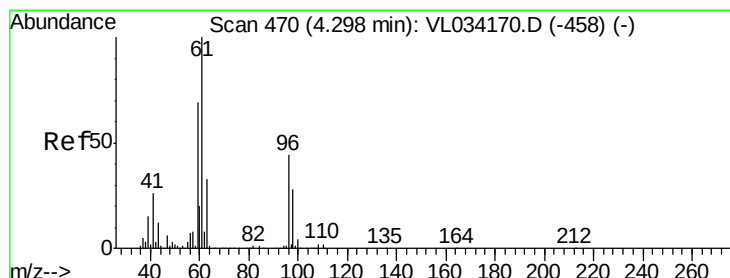
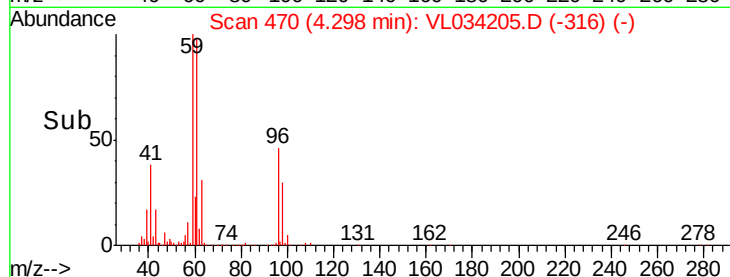
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.897 ppbv

RT: 4.29 min Scan# 469

Delta R.T. -0.00 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

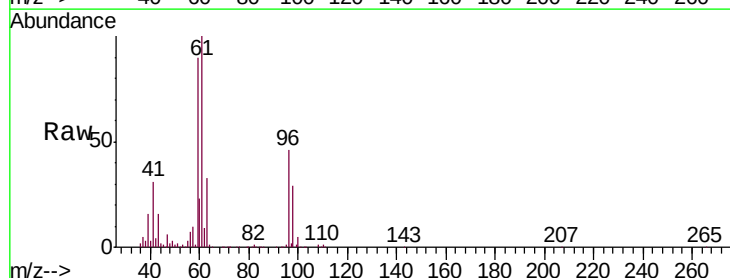
Tgt Ion: 96 Resp: 456842

Ion Ratio Lower Upper

96 100

61 217.8 183.3 274.9

98 63.7 51.4 77.2



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

4.29

800000

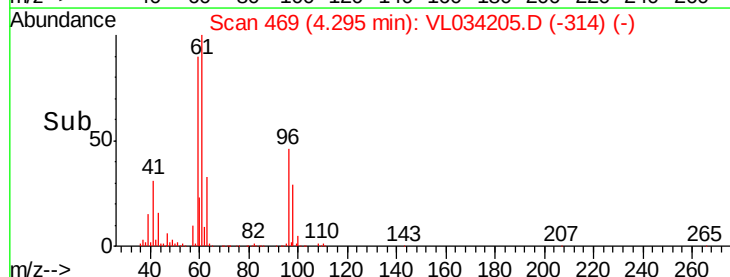
600000

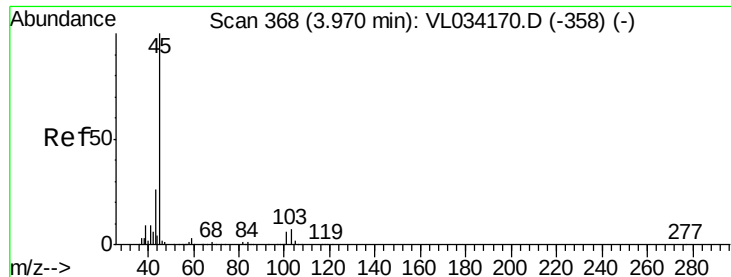
400000

200000

0

Time-->

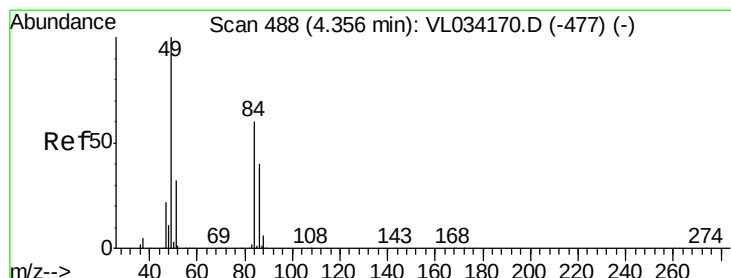
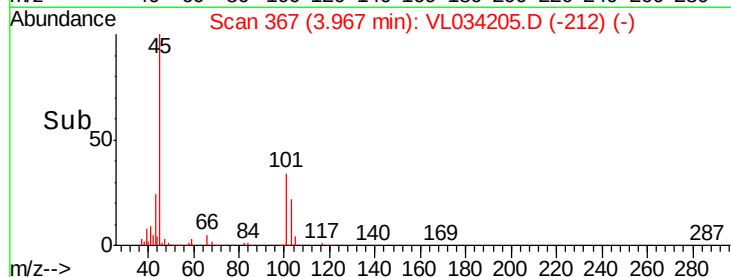
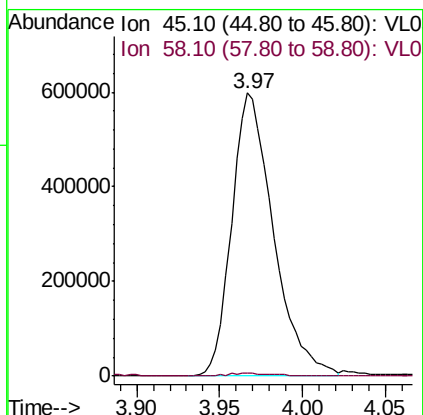
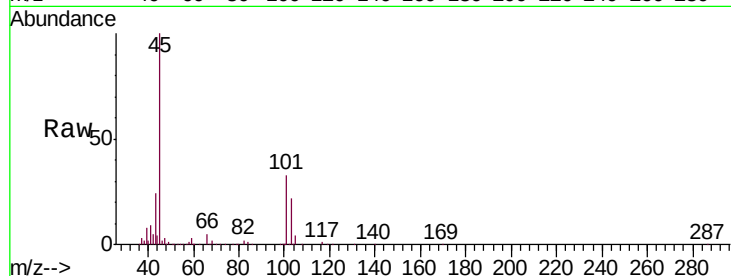




#19
Isopropyl Alcohol
Concen: 11.572 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VL034205.D
Acq: 2 Oct 2019 9:40

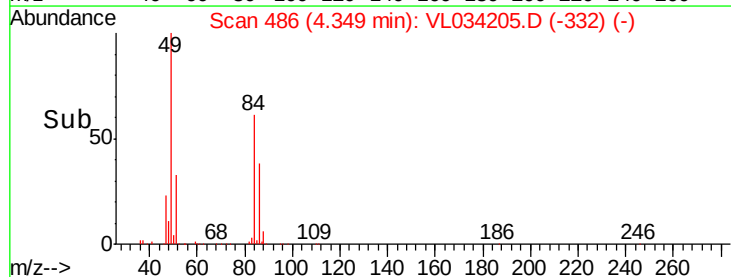
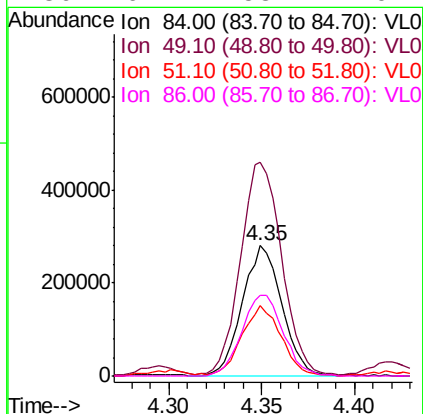
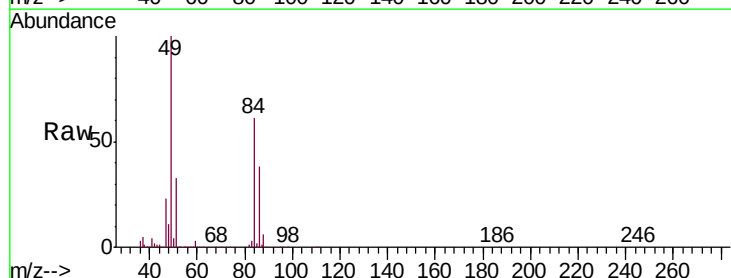
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

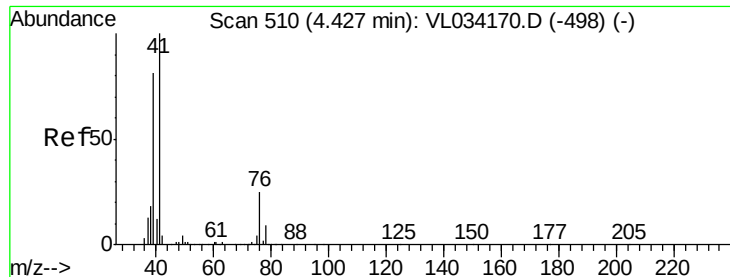
Tgt Ion: 45 Resp: 1041841
Ion Ratio Lower Upper
45 100
58 1.6 1.4 2.0



#20
Methylene Chloride
Concen: 9.764 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL034205.D
Acq: 2 Oct 2019 9:40

Tgt Ion: 84 Resp: 412149
Ion Ratio Lower Upper
84 100
49 162.9 133.8 200.8
51 53.8 43.6 65.4
86 62.1 53.1 79.7





#21

Allyl Chloride

Concen: 11.073 ppbv

RT: 4.42 min Scan# 508

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

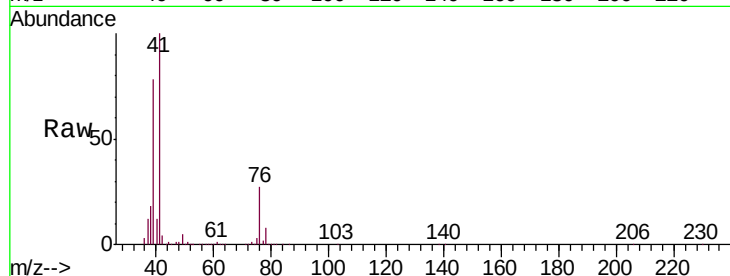
Tgt Ion: 41 Resp: 915659

Ion Ratio Lower Upper

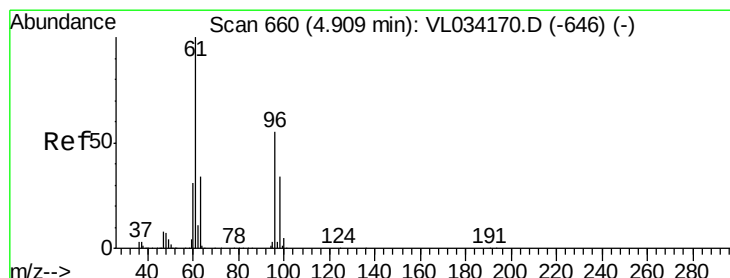
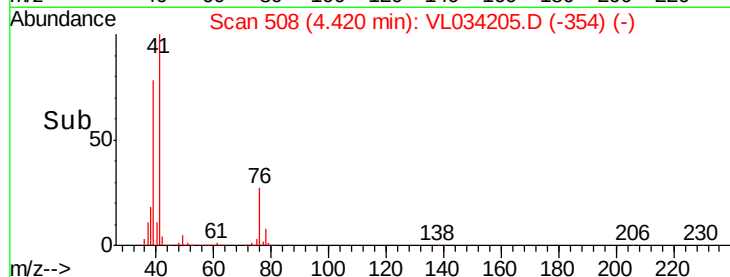
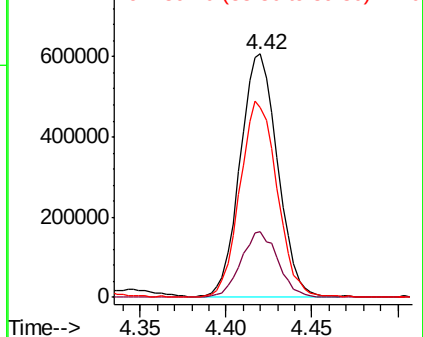
41 100

76 26.6 21.8 32.6

39 80.8 64.8 97.2



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: 11.061 ppbv

RT: 4.90 min Scan# 657

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

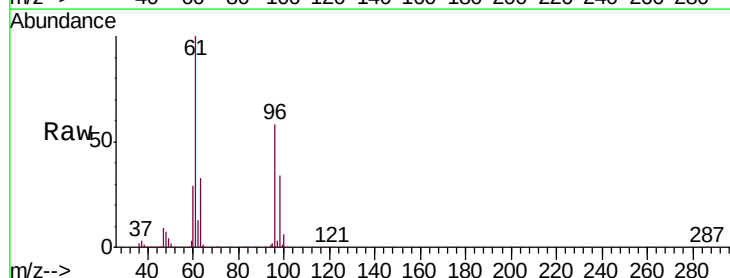
Tgt Ion: 96 Resp: 463949

Ion Ratio Lower Upper

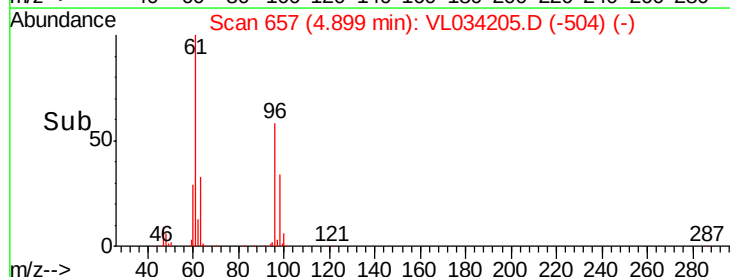
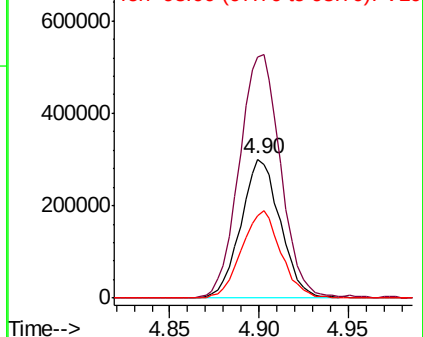
96 100

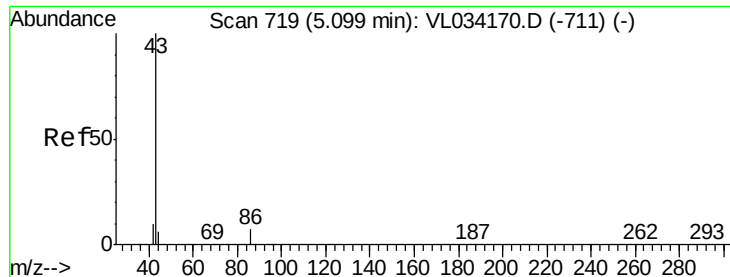
61 173.1 145.5 218.3

98 58.9 49.9 74.9



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



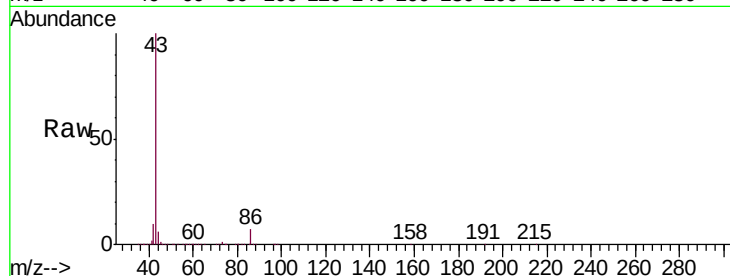


#23
 Vinyl Acetate
 Concen: 10.617 ppbv
 RT: 5.09 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 2290546

Ion	Ratio	Lower	Upper
43	100		
86	6.5	5.1	7.7
42	10.2	8.6	12.8
44	5.5	4.7	7.1



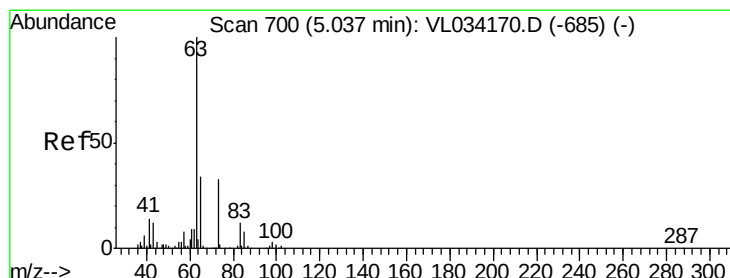
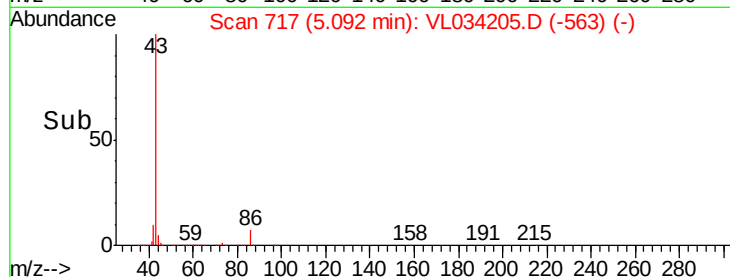
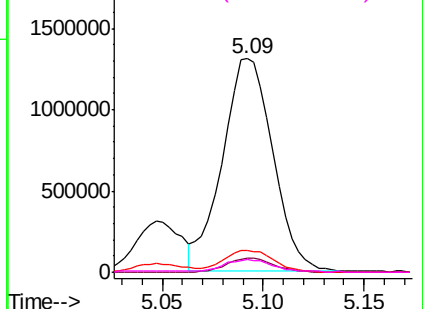
Abundance

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

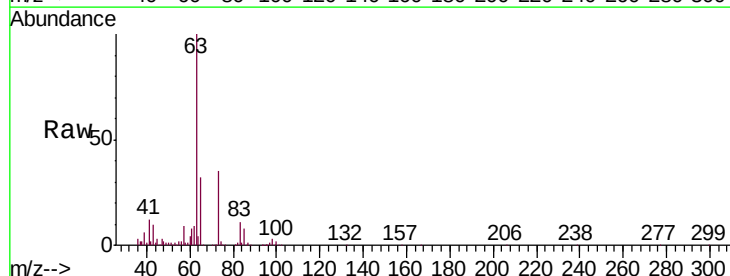
Ion 44.10 (43.80 to 44.80): VL0



#24
 1,1-Dichloroethane
 Concen: 10.207 ppbv
 RT: 5.03 min Scan# 698
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

Tgt Ion: 63 Resp: 1482822

Ion	Ratio	Lower	Upper
63	100		
98	3.3	1.8	5.3
100	2.2	1.0	3.0

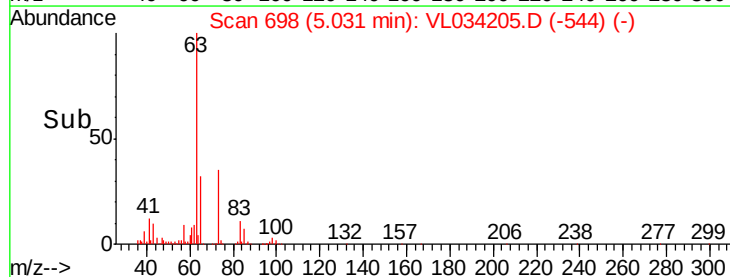
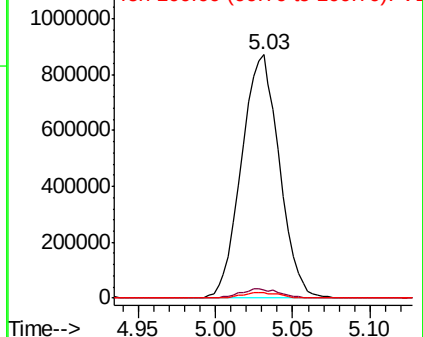


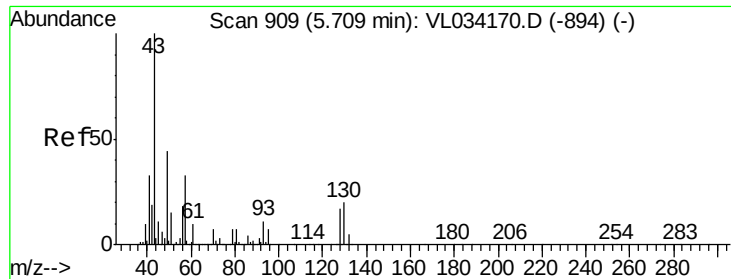
Abundance

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



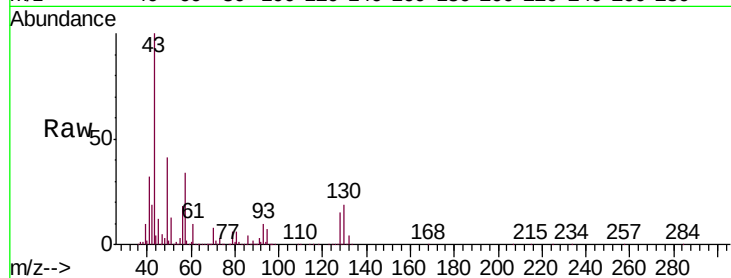


#25
Ethyl Acetate
Concen: 9.975 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.01 min
Lab File: VL034205.D
Acq: 2 Oct 2019 9:40

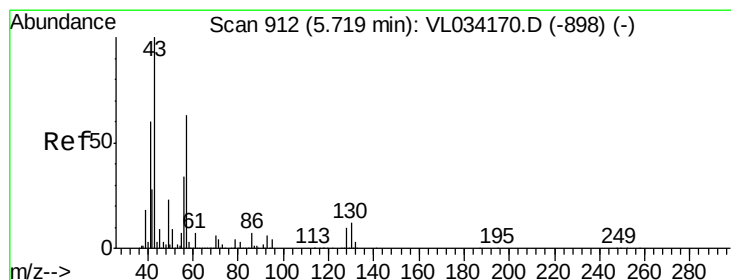
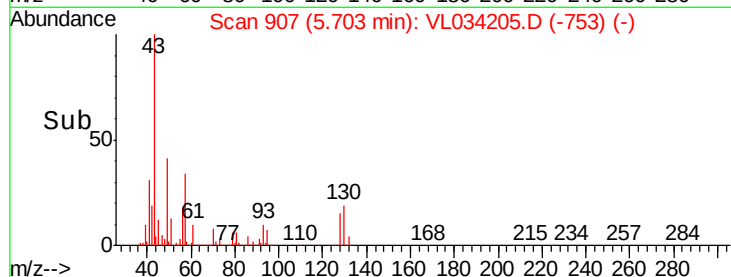
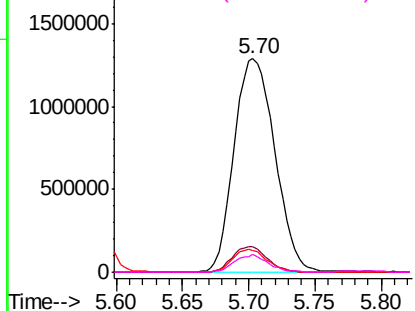
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2761699

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.4	12.6
61	9.1	7.2	10.8
70	6.7	5.3	7.9



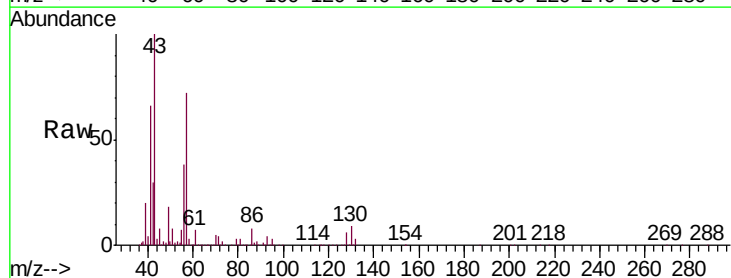
Abundance Ion 43.10 (42.80 to 43.80): VL0
2000000 Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



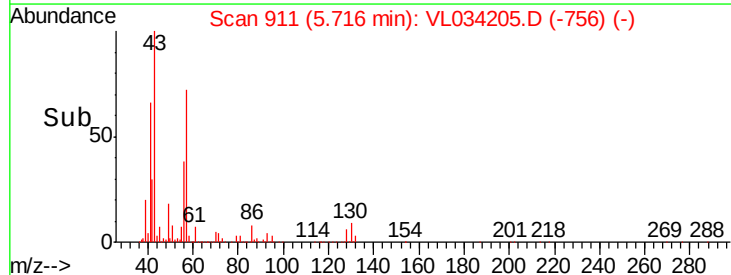
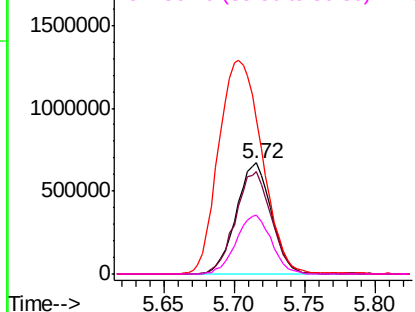
#26
Hexane
Concen: 10.134 ppbv
RT: 5.72 min Scan# 911
Delta R.T. -0.00 min
Lab File: VL034205.D
Acq: 2 Oct 2019 9:40

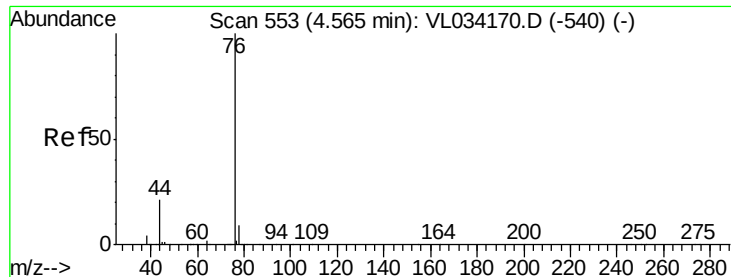
Tgt Ion: 57 Resp: 1167156

Ion	Ratio	Lower	Upper
57	100		
41	94.7	78.5	117.7
43	237.6	189.5	284.3
56	53.1	43.2	64.8



Abundance Ion 57.10 (56.80 to 57.80): VL0
2000000 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: 11.712 ppbv

RT: 4.56 min Scan# 551

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

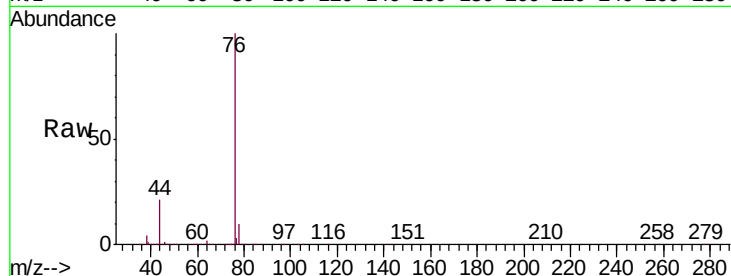
Tgt Ion: 76 Resp: 1243968

Ion Ratio Lower Upper

76 100

44 21.0 17.6 26.4

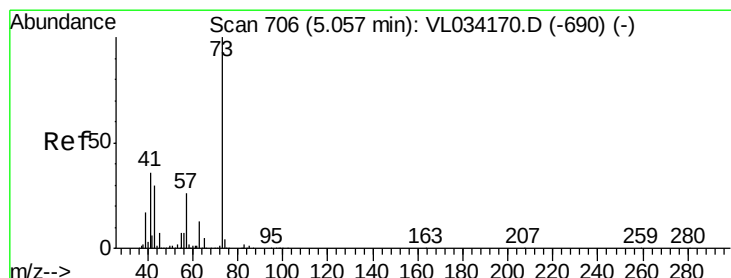
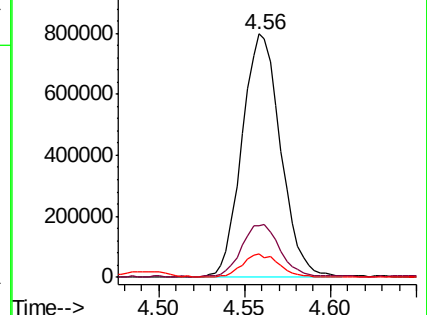
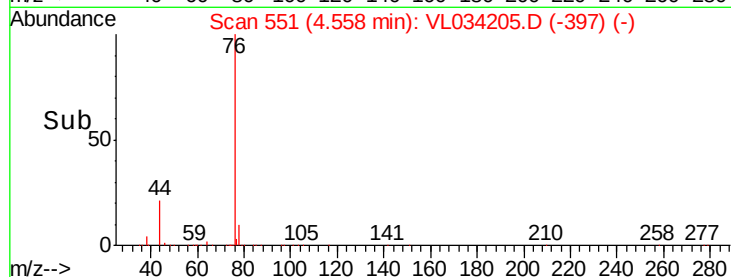
78 9.4 7.6 11.4



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: 10.866 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.01 min

Lab File: VL034205.D

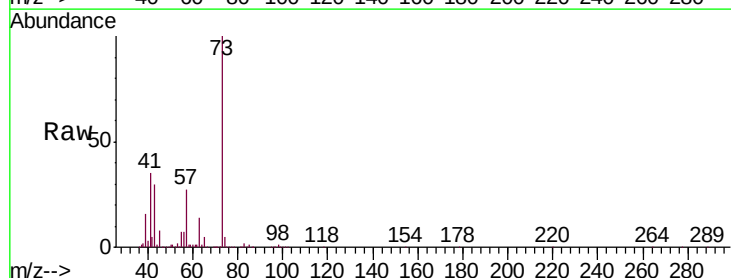
Acq: 2 Oct 2019 9:40

Tgt Ion: 73 Resp: 1858615

Ion Ratio Lower Upper

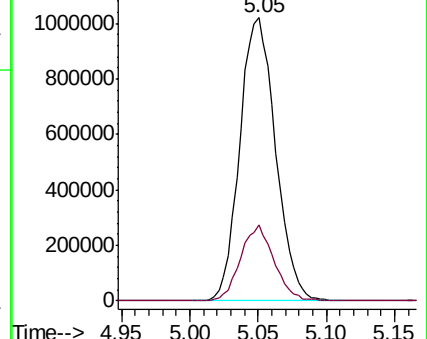
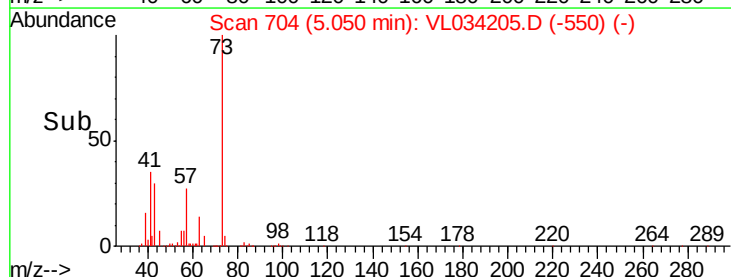
73 100

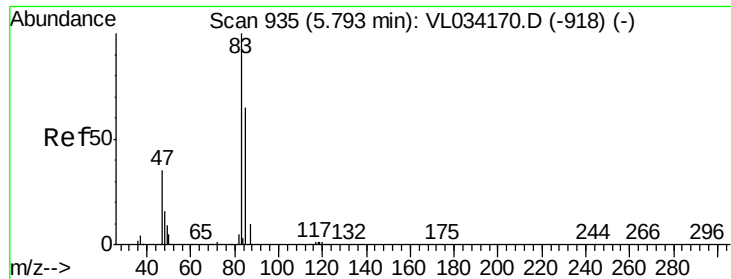
57 25.2 20.2 30.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

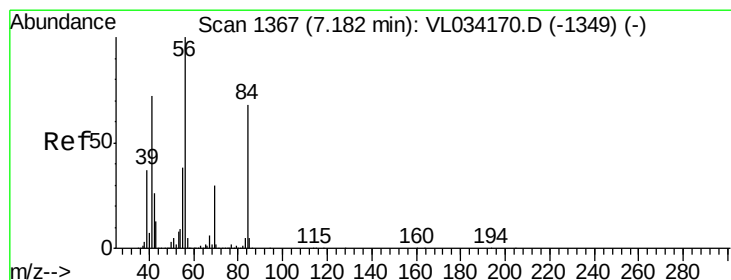
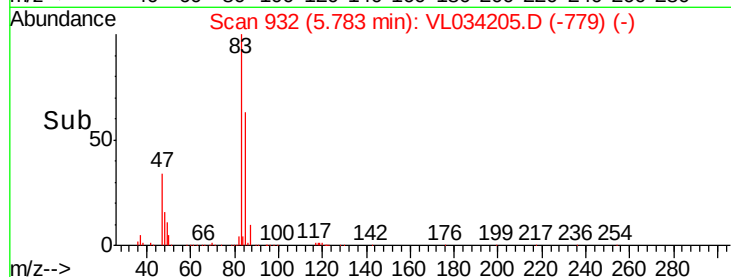
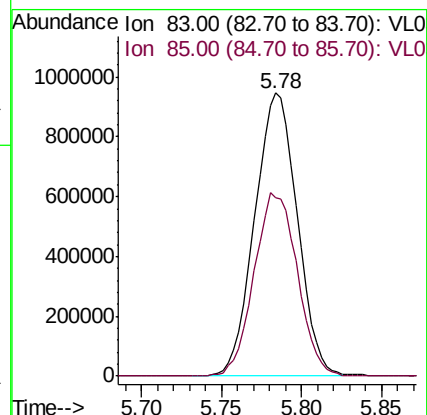
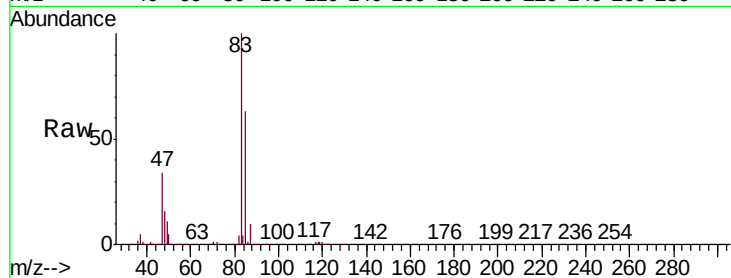




#29
Chloroform
Concen: 10.506 ppbv
RT: 5.78 min Scan# 932
Delta R.T. -0.01 min
Lab File: VL034205.D
Acq: 2 Oct 2019 9:40

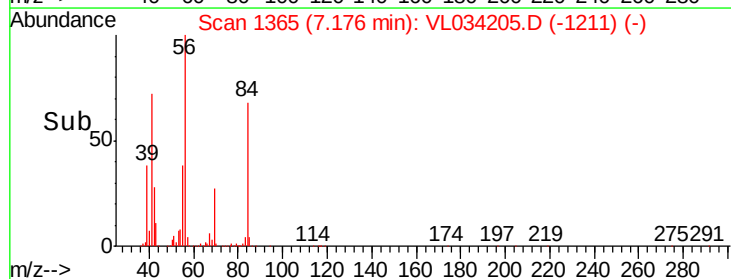
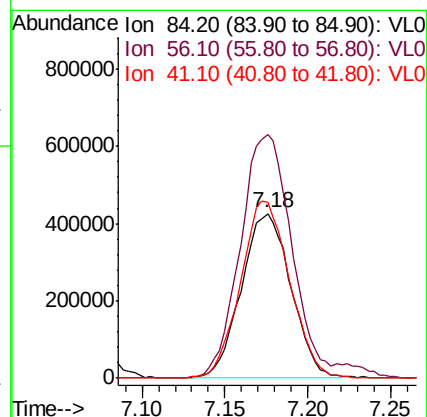
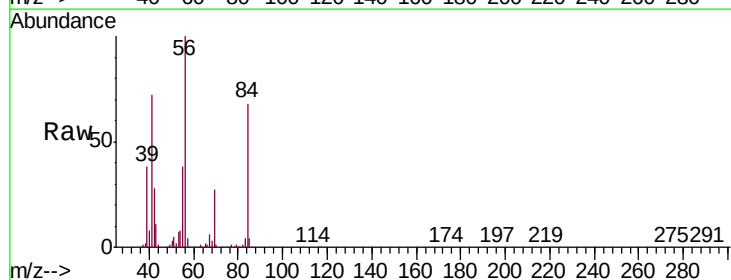
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

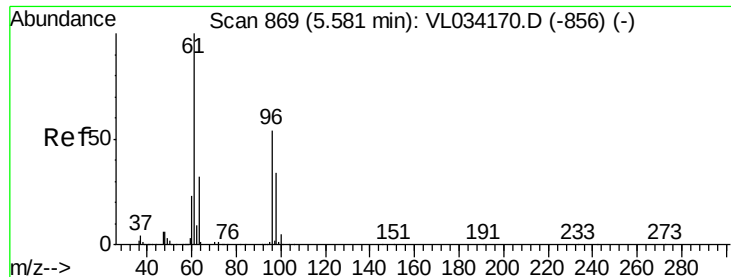
Tgt Ion: 83 Resp: 1728987
Ion Ratio Lower Upper
83 100
85 63.1 52.3 78.5



#30
Cyclohexane
Concen: 10.545 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL034205.D
Acq: 2 Oct 2019 9:40

Tgt Ion: 84 Resp: 876768
Ion Ratio Lower Upper
84 100
56 159.8 126.2 189.2
41 107.7 85.8 128.8



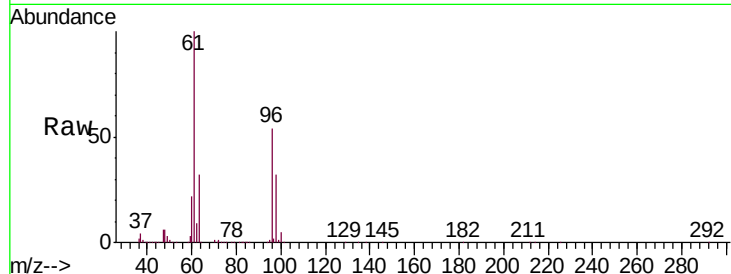


#31

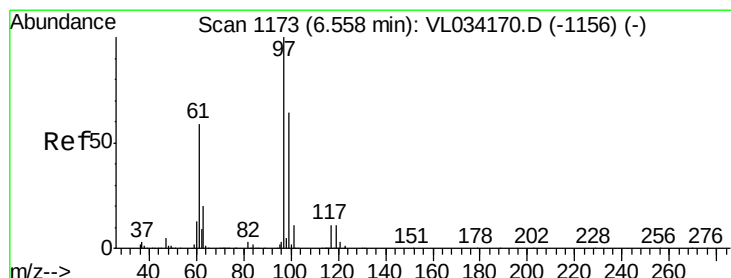
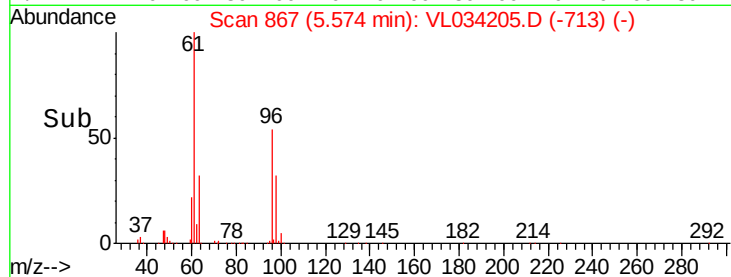
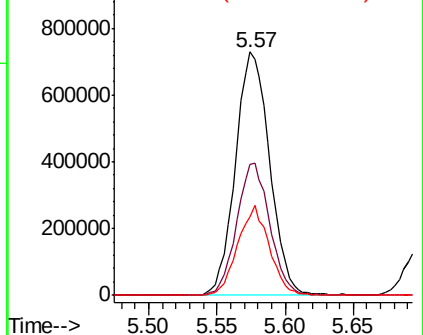
cis-1,2-Dichloroethene
 Concen: 10.809 ppbv
 RT: 5.57 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 61 Resp: 1269002
 Ion Ratio Lower Upper
 61 100
 96 53.6 43.0 64.4
 98 32.3 27.2 40.8



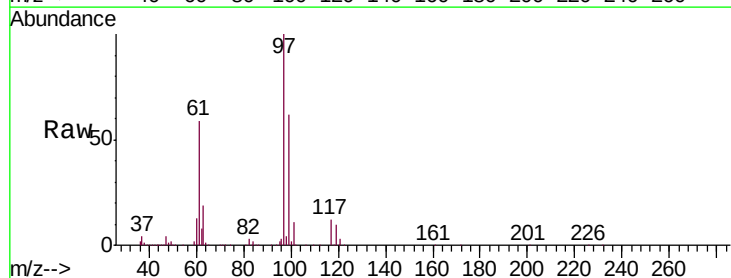
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



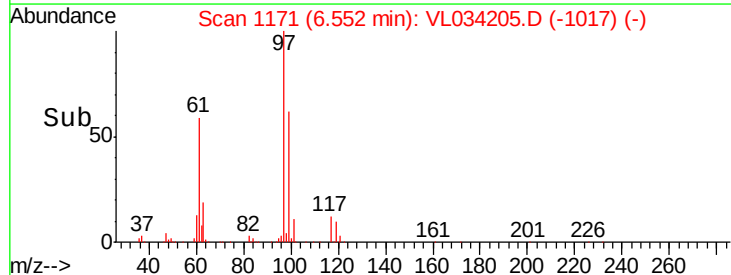
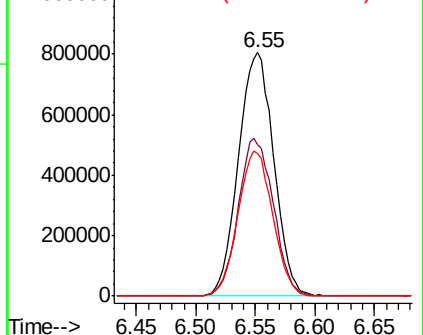
#32

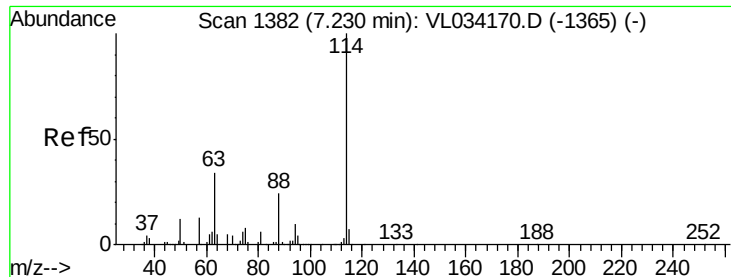
1,1,1-Trichloroethane
 Concen: 10.471 ppbv
 RT: 6.55 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

Tgt Ion: 97 Resp: 1661952
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.4 77.2
 61 58.8 48.4 72.6



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

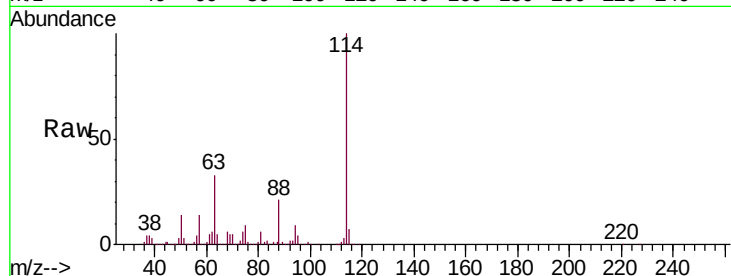




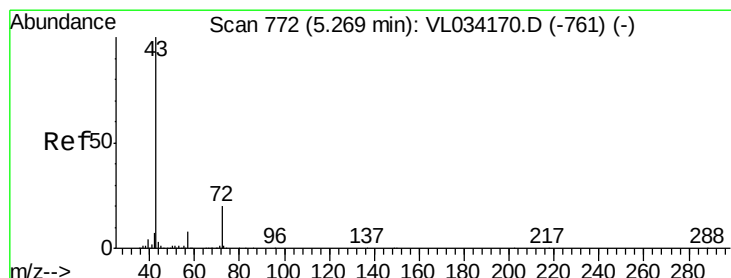
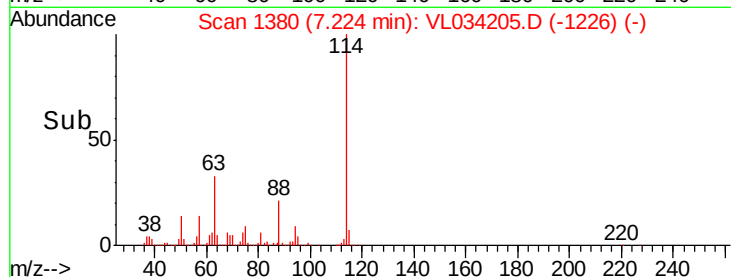
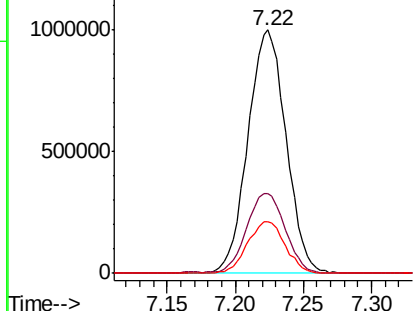
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:114 Resp: 1930567
 Ion Ratio Lower Upper
 114 100
 63 33.9 27.8 41.6
 88 21.0 17.1 25.7

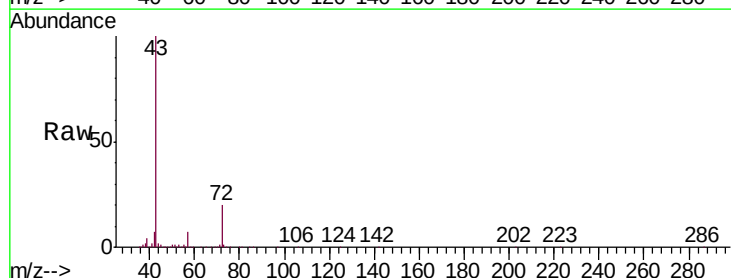


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

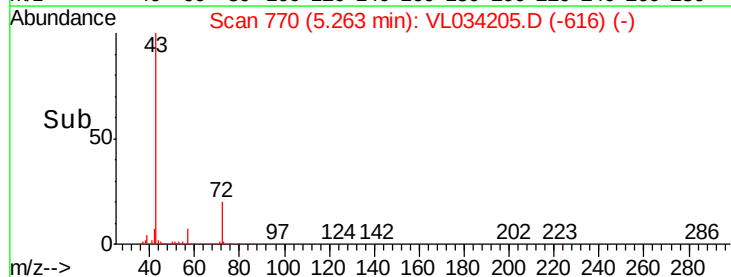
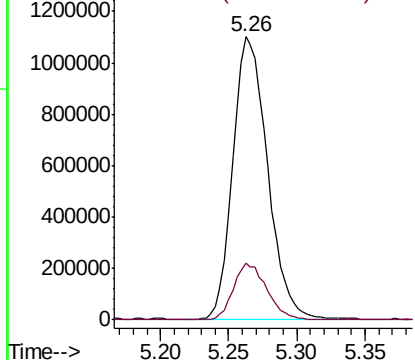


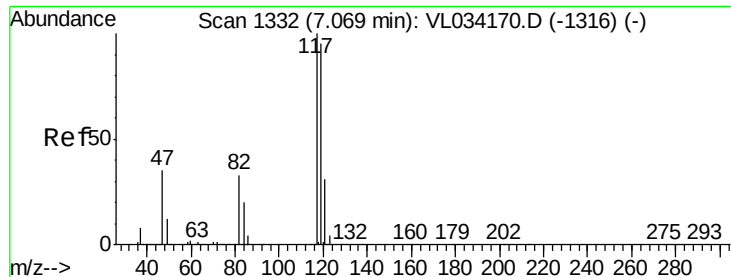
#34
 2-Butanone
 Concen: 9.842 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

Tgt Ion: 43 Resp: 1940078
 Ion Ratio Lower Upper
 43 100
 72 19.3 15.0 22.6



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





#35

Carbon Tetrachloride

Concen: 10.081 ppbv

RT: 7.06 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

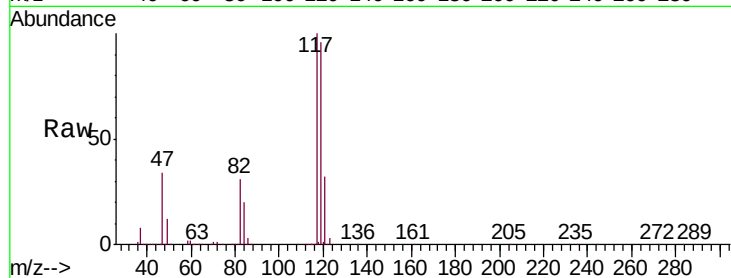
Tgt Ion:117 Resp: 1616902

Ion Ratio Lower Upper

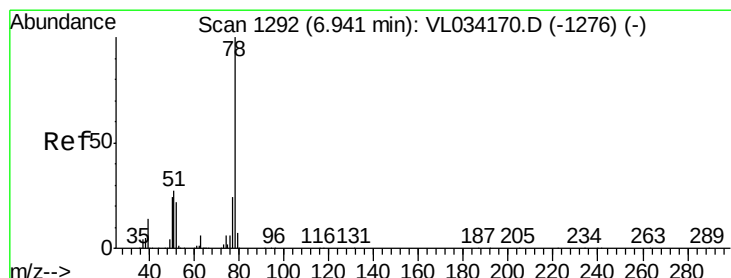
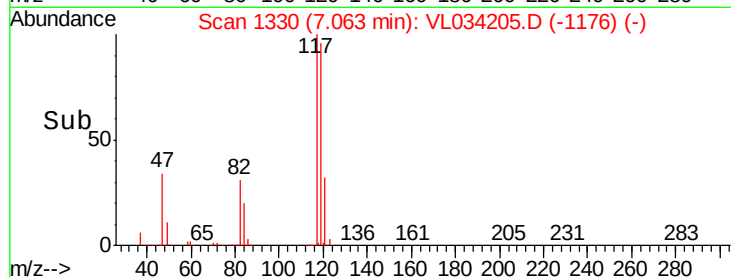
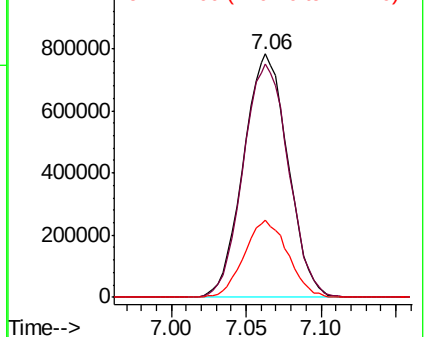
117 100

119 95.7 75.8 113.6

121 31.7 25.0 37.6



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



#36

Benzene

Concen: 10.086 ppbv

RT: 6.93 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

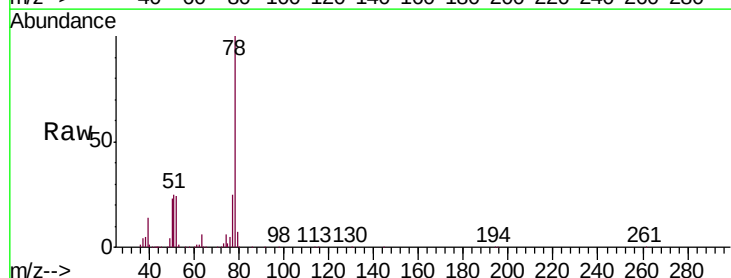
Tgt Ion: 78 Resp: 2150428

Ion Ratio Lower Upper

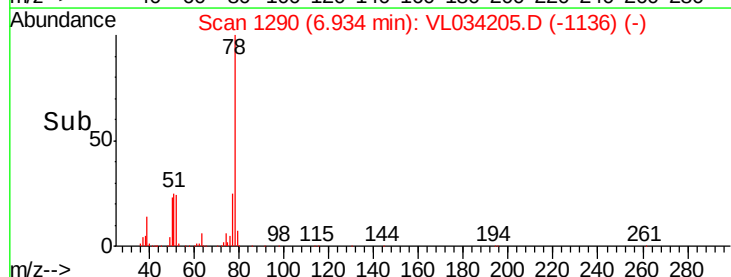
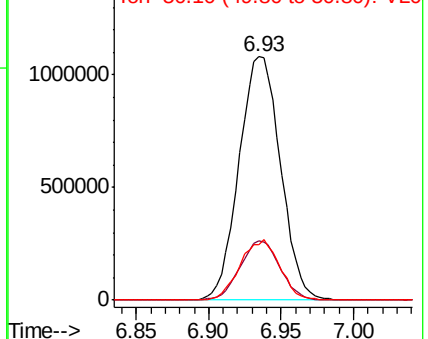
78 100

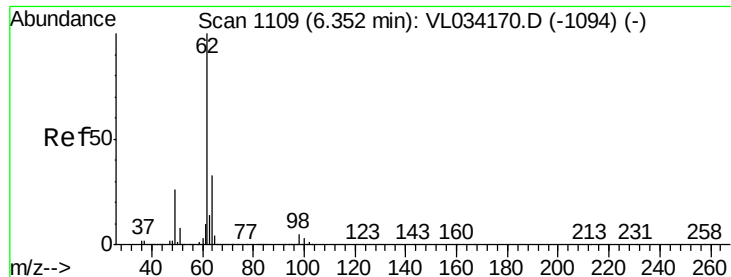
77 24.5 19.0 28.4

50 22.6 18.9 28.3



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

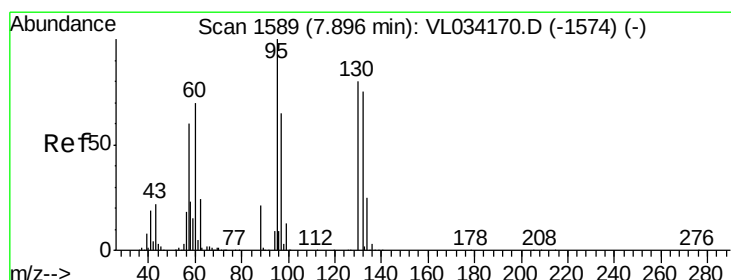
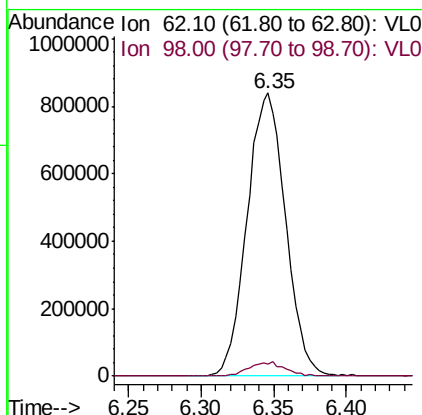
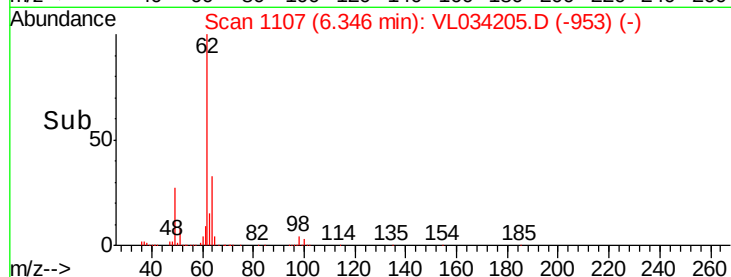
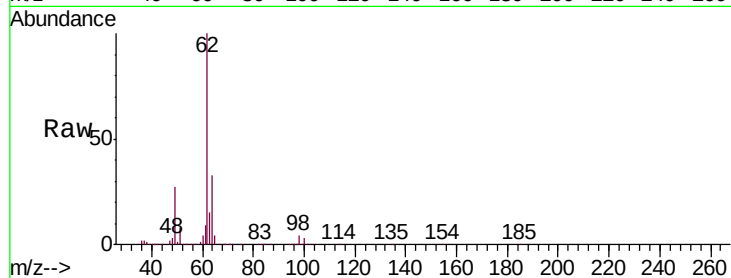




#37
 1,2-Dichloroethane
 Concen: 10.216 ppbv
 RT: 6.35 min Scan# 1107
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

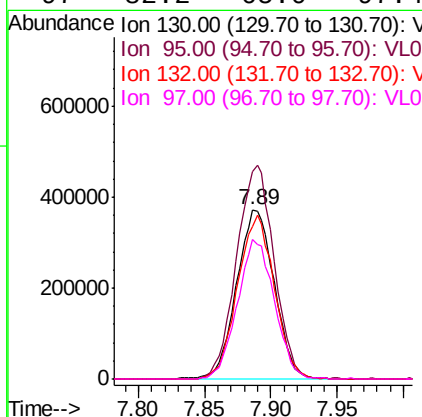
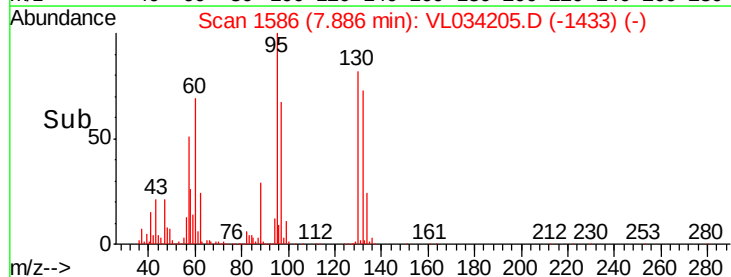
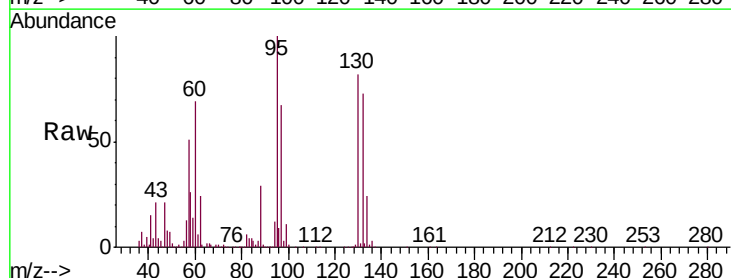
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

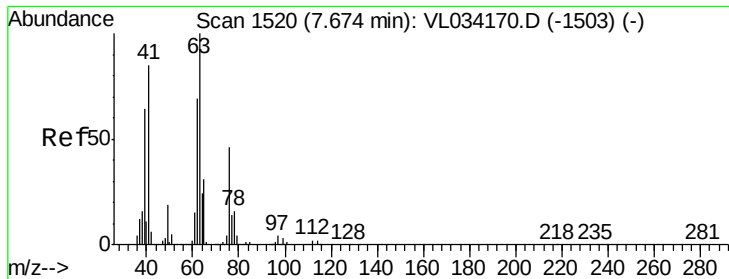
Tgt Ion: 62 Resp: 1549359
 Ion Ratio Lower Upper
 62 100
 98 4.7 3.8 5.8



#38
 Trichloroethene
 Concen: 9.611 ppbv
 RT: 7.89 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

Tgt Ion: 130 Resp: 732191
 Ion Ratio Lower Upper
 130 100
 95 122.4 99.8 149.6
 132 89.9 75.2 112.8
 97 82.2 65.0 97.4

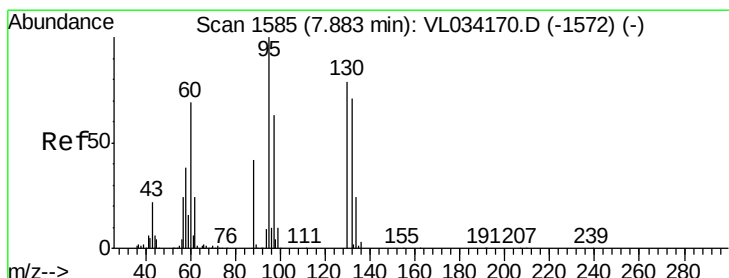
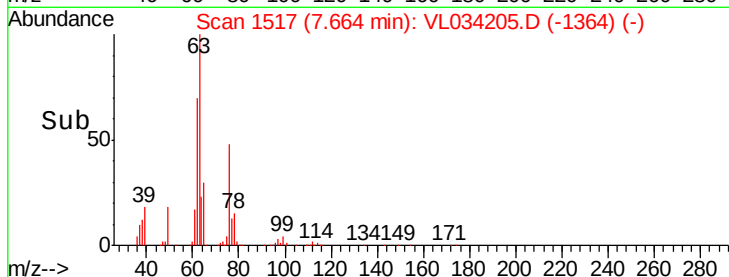
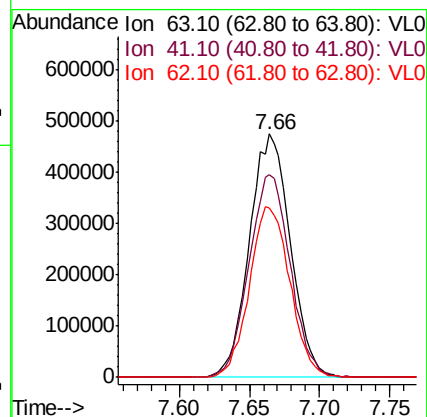
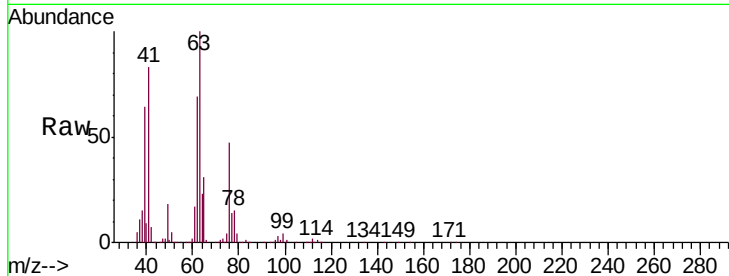




#39
 1,2-Dichloropropane
 Concen: 10.086 ppbv
 RT: 7.66 min Scan# 1517
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

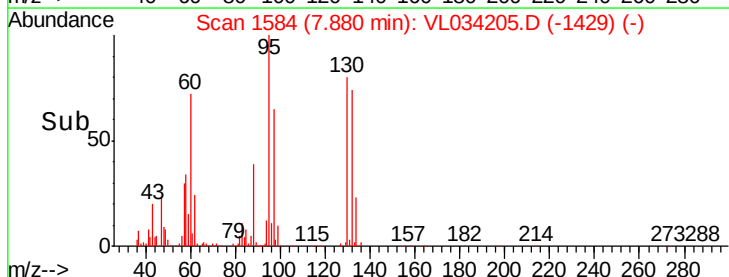
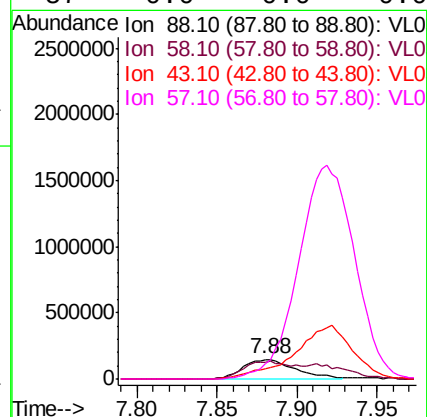
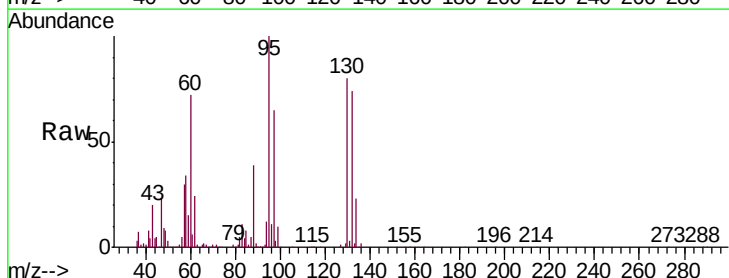
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

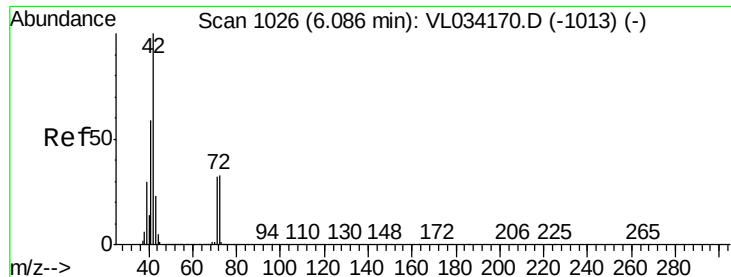
Tgt Ion: 63 Resp: 966290
 Ion Ratio Lower Upper
 63 100
 41 83.0 68.4 102.6
 62 69.3 55.4 83.2



#40
 1,4-Dioxane
 Concen: 10.581 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

Tgt Ion: 88 Resp: 328044
 Ion Ratio Lower Upper
 88 100
 58 149.5 131.8 197.6
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 10.488 ppbv

RT: 6.08 min Scan# 1024

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

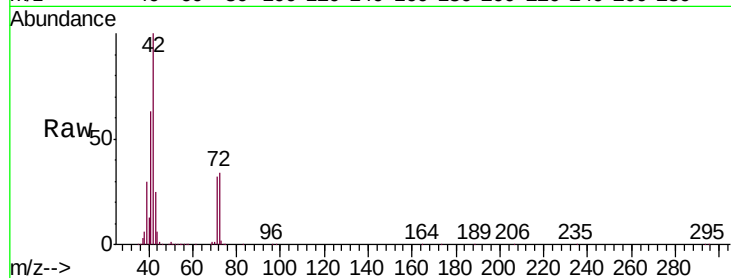
Tgt Ion: 42 Resp: 1164420

Ion Ratio Lower Upper

42 100

72 33.3 26.6 40.0

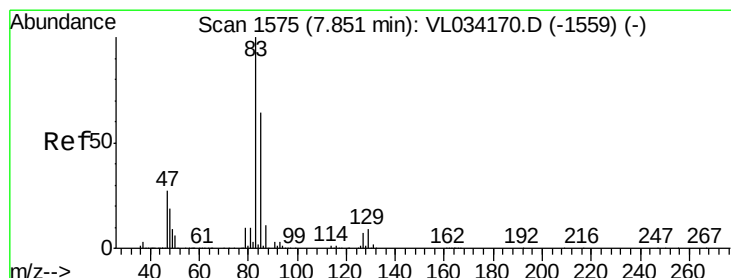
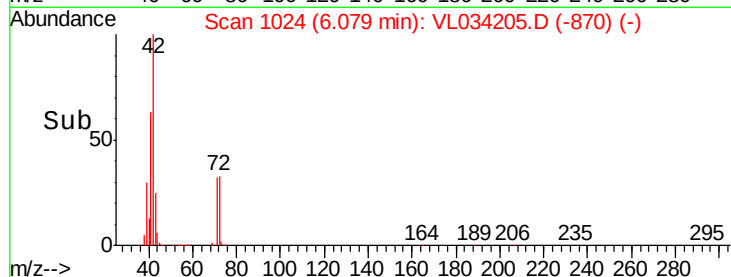
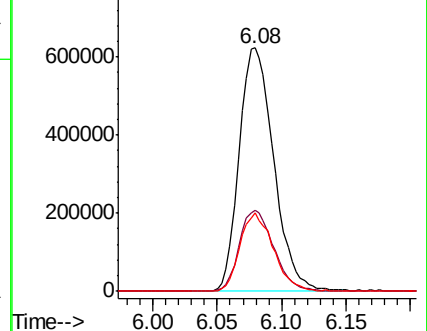
71 31.4 25.1 37.7



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.523 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

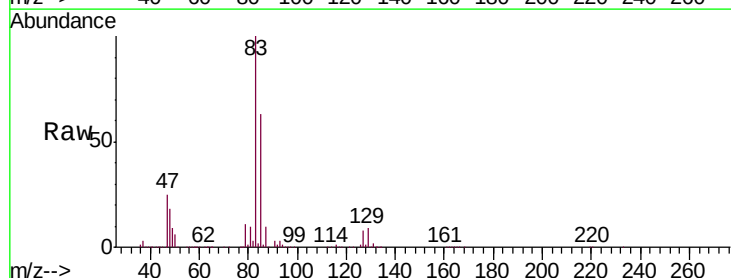
Tgt Ion: 83 Resp: 1915203

Ion Ratio Lower Upper

83 100

85 63.3 51.4 77.0

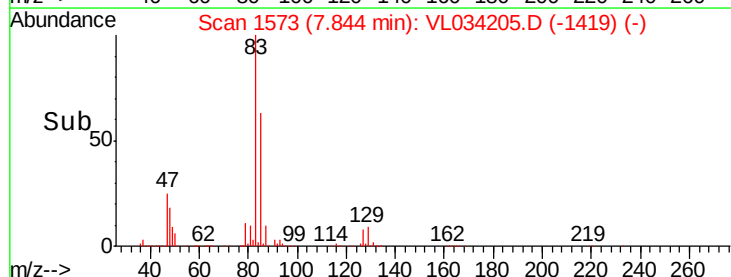
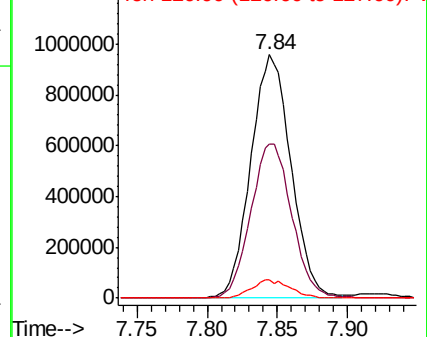
127 7.6 5.5 8.3

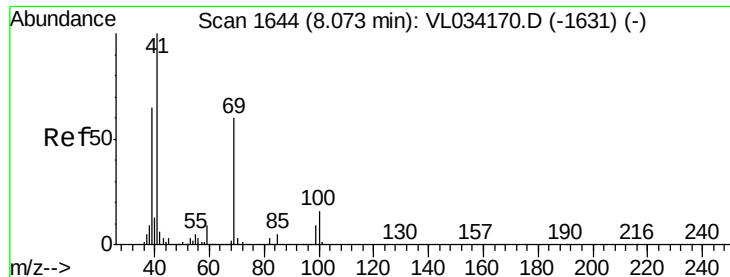


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

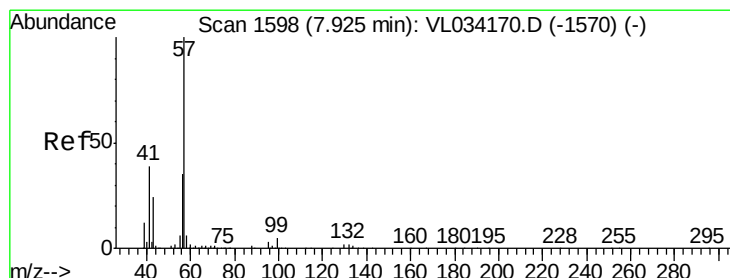
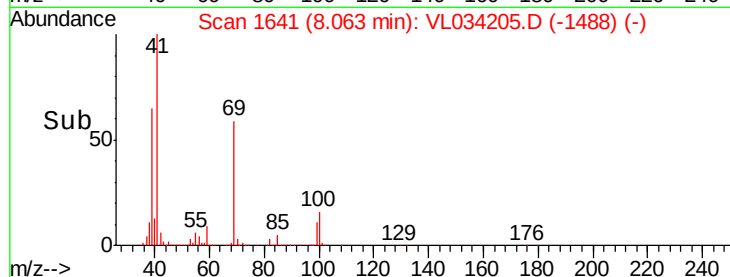
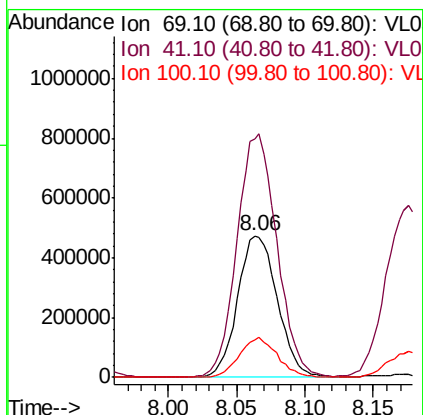
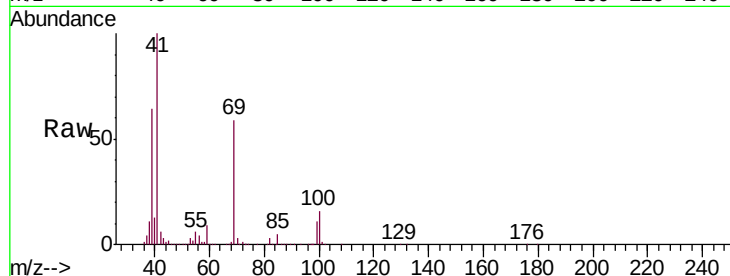




#43
Methyl Methacrylate
Concen: 10.884 ppbv
RT: 8.06 min Scan# 1641
Delta R.T. -0.01 min
Lab File: VL034205.D
Acq: 2 Oct 2019 9:40

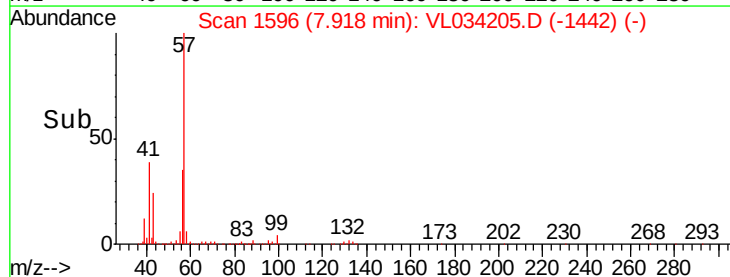
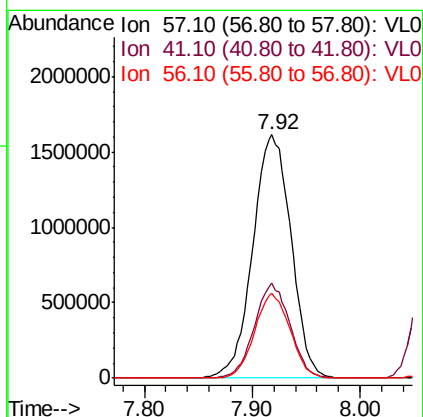
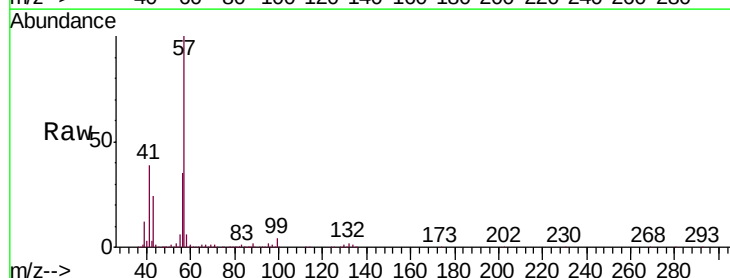
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

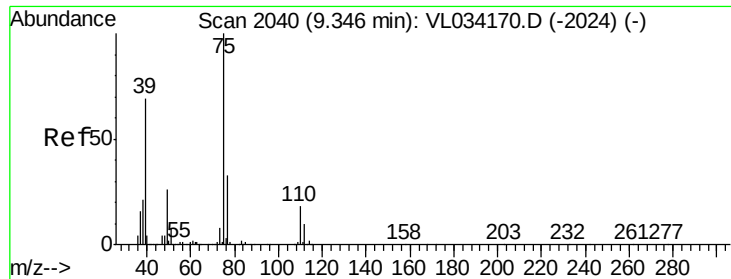
Tgt Ion: 69 Resp: 958635
Ion Ratio Lower Upper
69 100
41 172.4 140.4 210.6
100 26.9 21.9 32.9



#44
2,2,4-Trimethylpentane
Concen: 9.693 ppbv
RT: 7.92 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VL034205.D
Acq: 2 Oct 2019 9:40

Tgt Ion: 57 Resp: 3978650
Ion Ratio Lower Upper
57 100
41 36.2 29.8 44.6
56 32.3 25.9 38.9

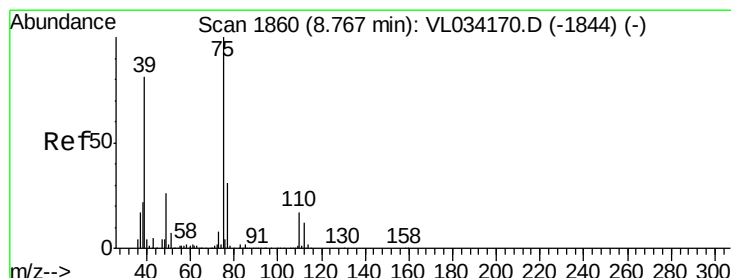
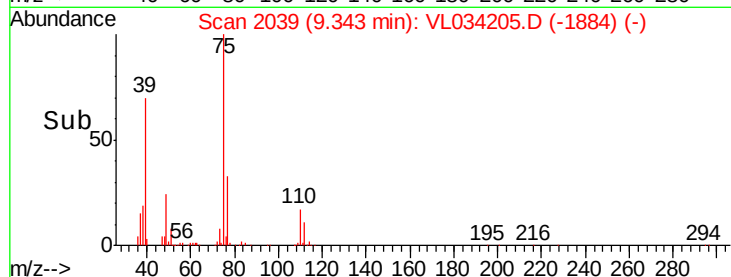
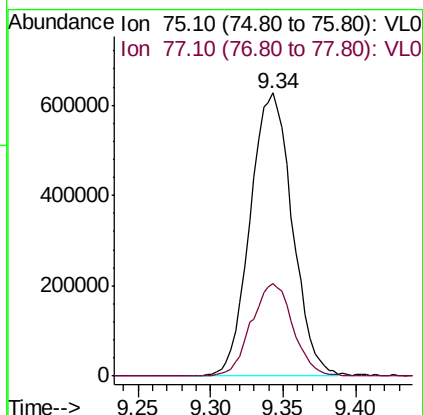
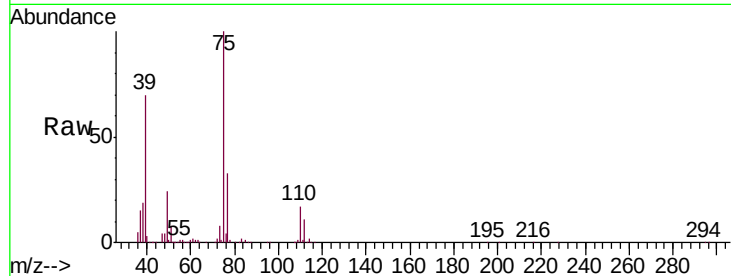




#45
 t-1,3-Dichloropropene
 Concen: 12.188 ppbv
 RT: 9.34 min Scan# 2039
 Delta R.T. -0.00 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

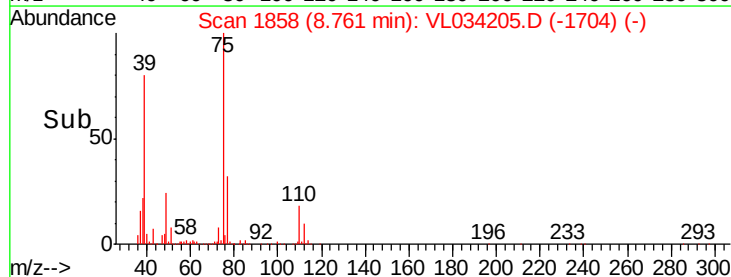
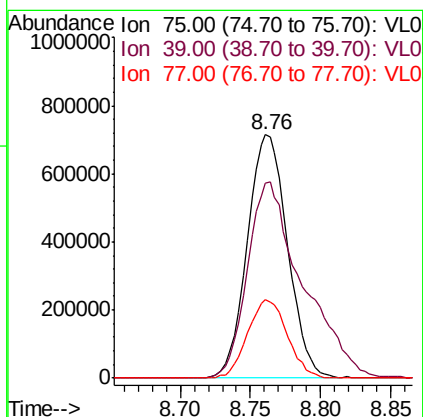
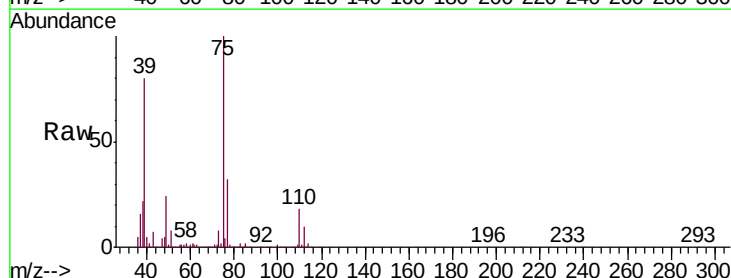
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

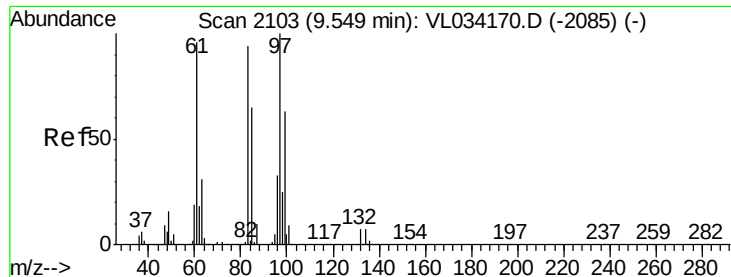
Tgt Ion: 75 Resp: 1269298
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.2 39.2



#46
 cis-1,3-Dichloropropene
 Concen: 11.397 ppbv
 RT: 8.76 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

Tgt Ion: 75 Resp: 1427834
 Ion Ratio Lower Upper
 75 100
 39 80.1 65.0 97.4
 77 32.2 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 9.990 ppbv

RT: 9.54 min Scan# 2100

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 859374

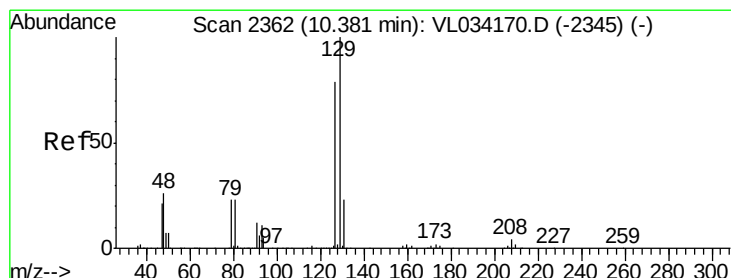
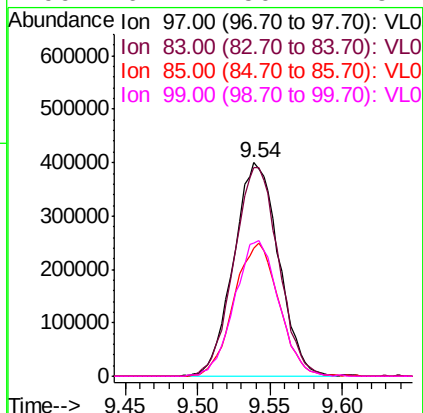
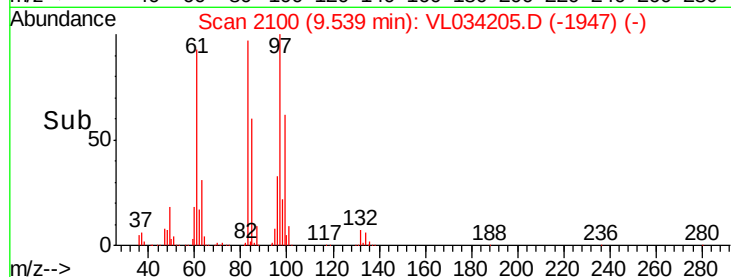
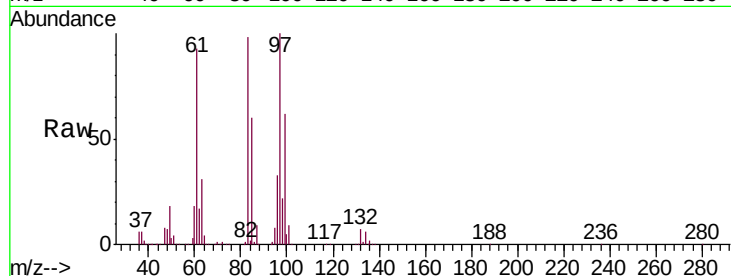
Ion Ratio Lower Upper

97 100

83 97.6 75.3 112.9

85 59.7 52.1 78.1

99 62.1 50.2 75.2



#48

Dibromochloromethane

Concen: 10.712 ppbv

RT: 10.38 min Scan# 2361

Delta R.T. -0.00 min

Lab File: VL034205.D

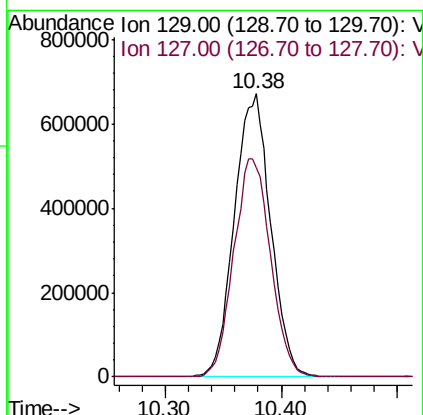
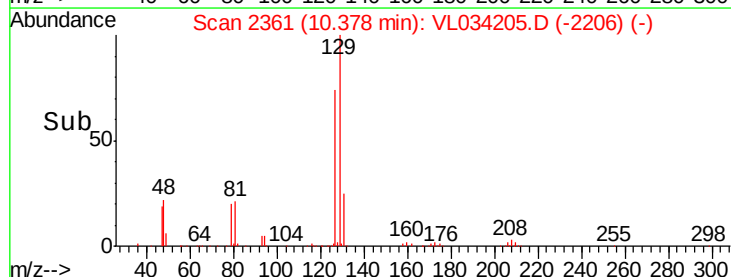
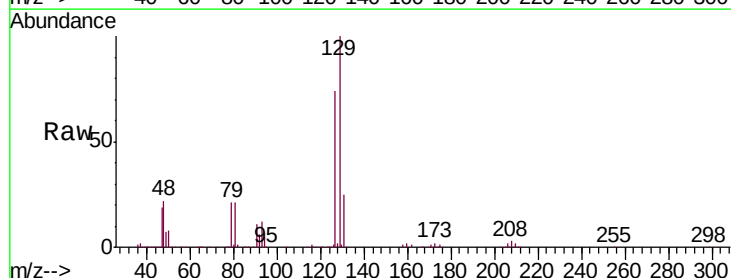
Acq: 2 Oct 2019 9:40

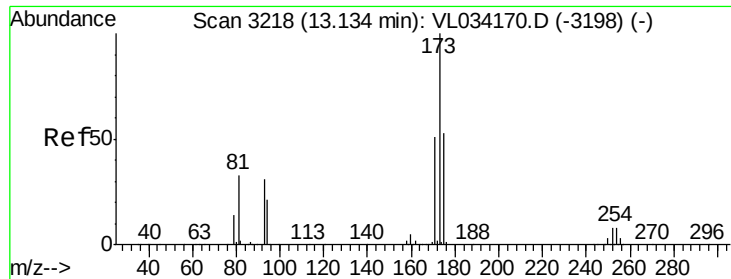
Tgt Ion: 129 Resp: 1460503

Ion Ratio Lower Upper

129 100

127 78.4 39.2 117.6





#49

Bromoform

Concen: 6.067 ppbv

RT: 13.12 min Scan# 3214

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

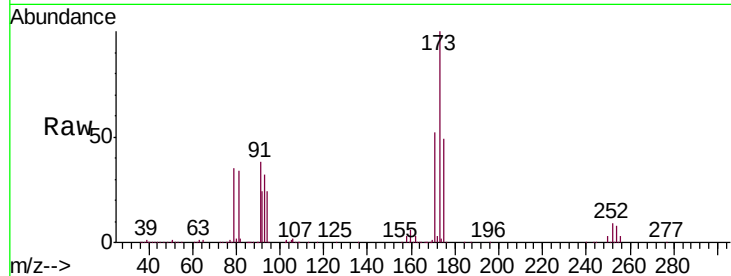
Tgt Ion:173 Resp: 669416

Ion Ratio Lower Upper

173 100

175 0.0 40.3 60.5#

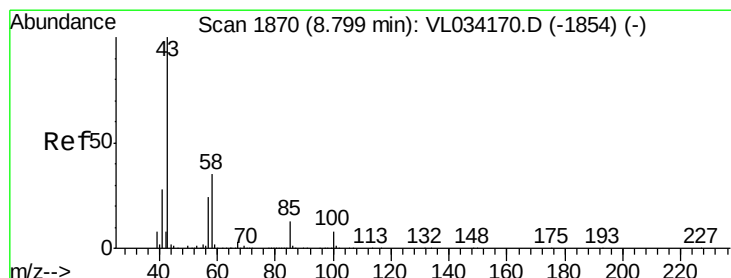
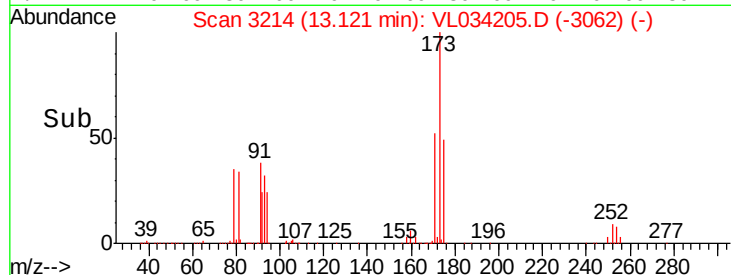
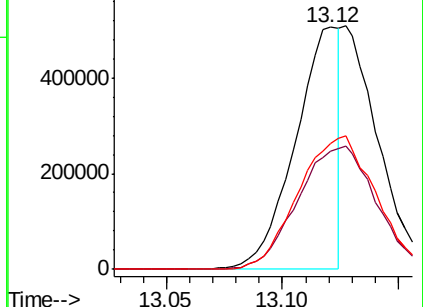
171 0.0 42.0 63.0#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.841 ppbv

RT: 8.79 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VL034205.D

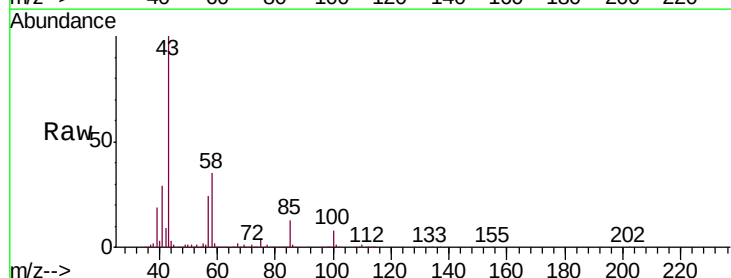
Acq: 2 Oct 2019 9:40

Tgt Ion: 43 Resp: 2823204

Ion Ratio Lower Upper

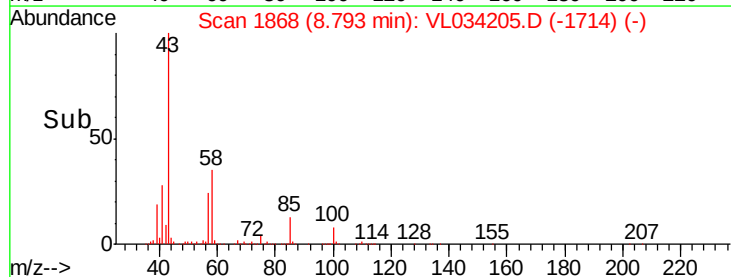
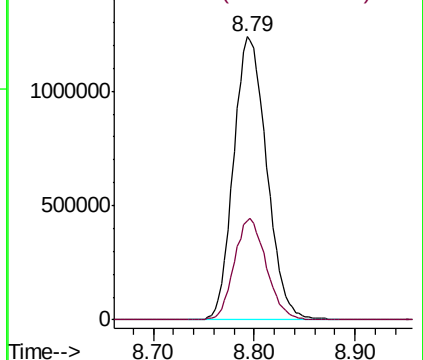
43 100

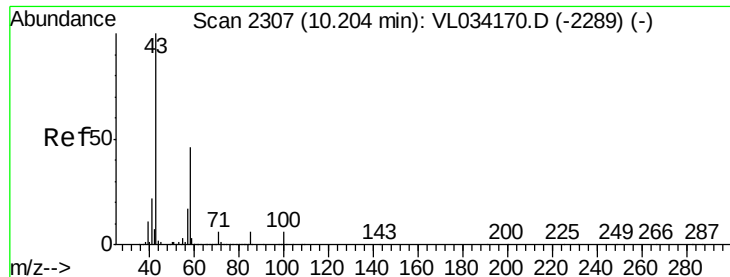
58 34.6 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

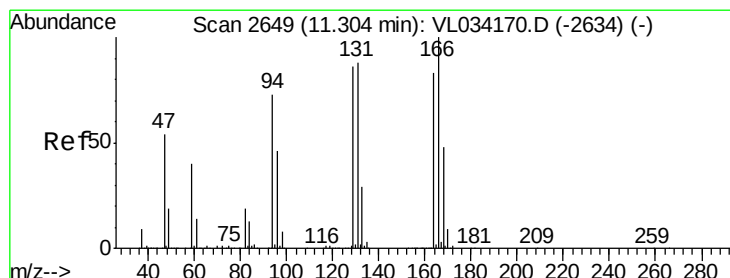
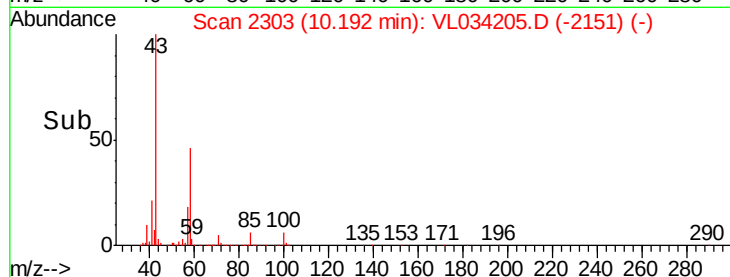
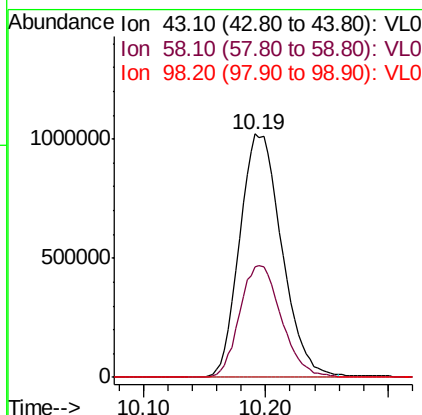
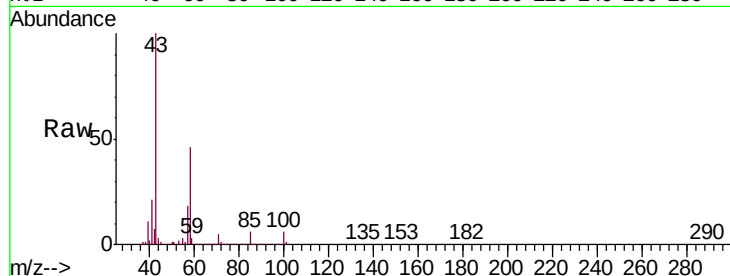




#51
2-Hexanone
Concen: 10.121 ppbv
RT: 10.19 min Scan# 2303
Delta R.T. -0.01 min
Lab File: VL034205.D
Acq: 2 Oct 2019 9:40

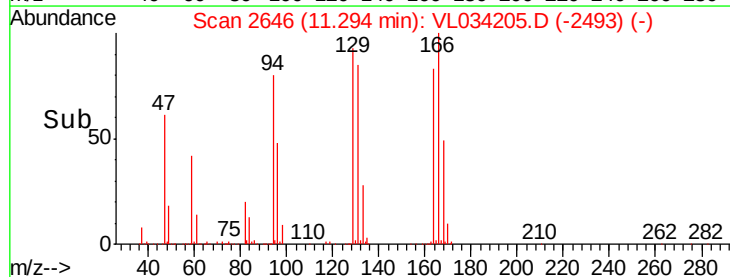
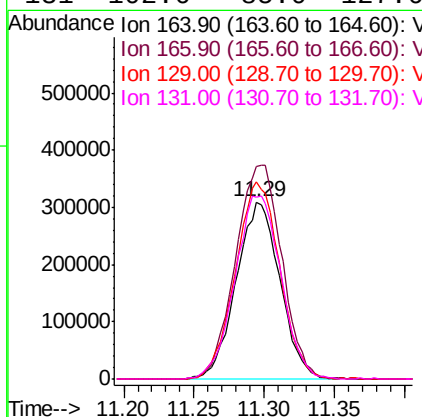
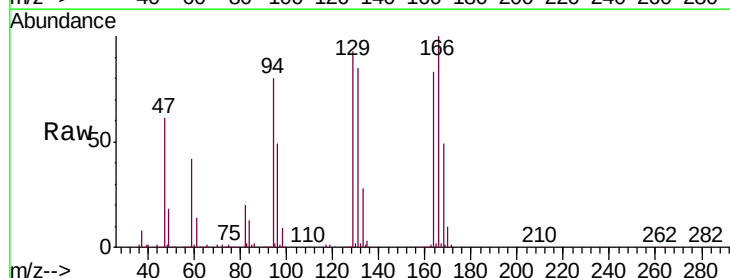
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

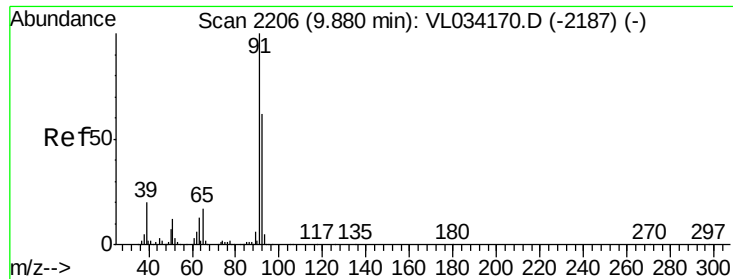
Tgt Ion: 43 Resp: 2436839
Ion Ratio Lower Upper
43 100
58 45.7 36.2 54.4
98 0.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.445 ppbv
RT: 11.29 min Scan# 2646
Delta R.T. -0.01 min
Lab File: VL034205.D
Acq: 2 Oct 2019 9:40

Tgt Ion: 164 Resp: 665337
Ion Ratio Lower Upper
164 100
166 119.9 96.7 145.1
129 111.1 82.8 124.2
131 102.6 85.0 127.6





#53

Toluene

Concen: 10.279 ppbv

RT: 9.87 min Scan# 2203

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Instrument :

MSVOA_L

ClientSampleId :

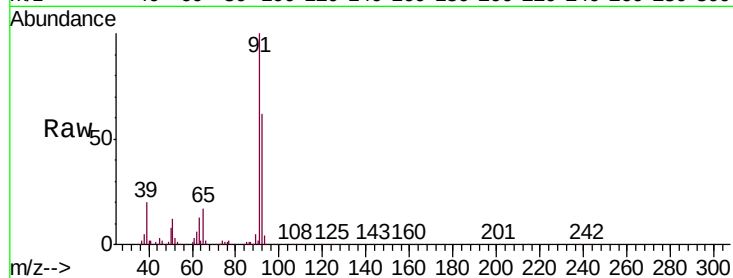
VSTDCCC010

Tgt Ion: 91 Resp: 2395295

Ion Ratio Lower Upper

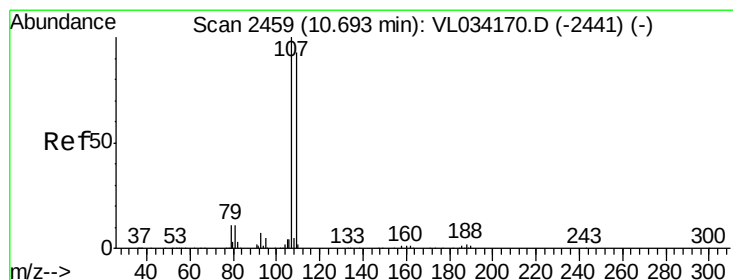
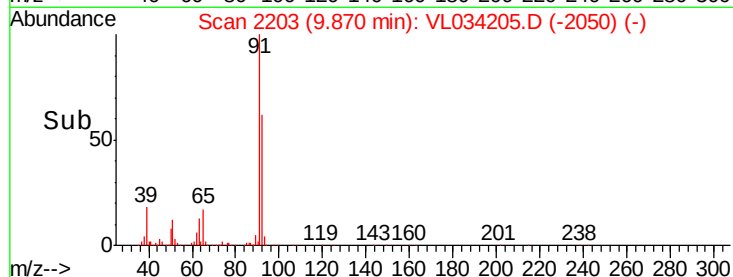
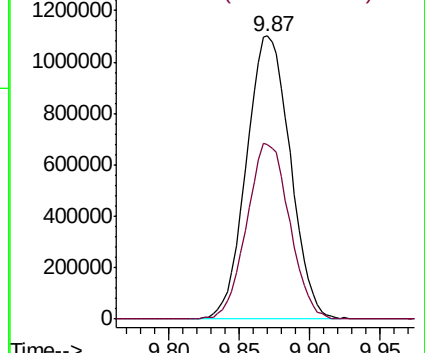
91 100

92 60.8 49.0 73.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.246 ppbv

RT: 10.68 min Scan# 2456

Delta R.T. -0.01 min

Lab File: VL034205.D

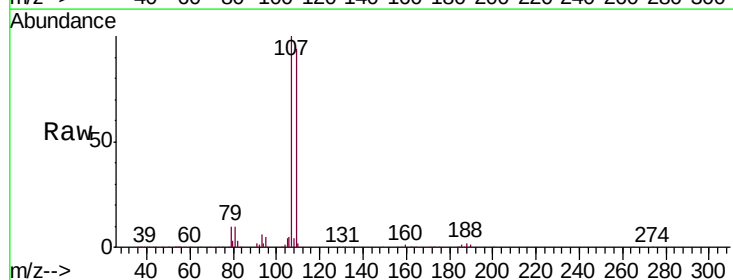
Acq: 2 Oct 2019 9:40

Tgt Ion: 107 Resp: 1310792

Ion Ratio Lower Upper

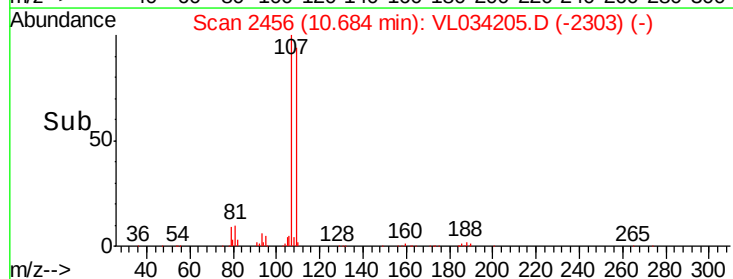
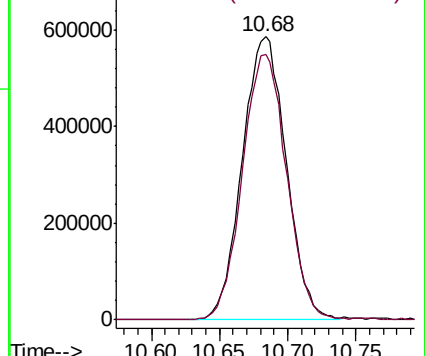
107 100

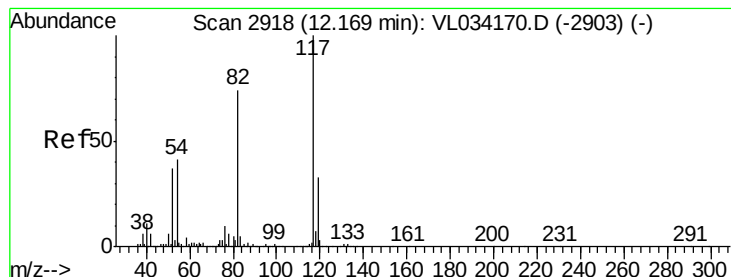
109 93.8 74.5 111.7



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: 12.16 min Scan# 2916

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

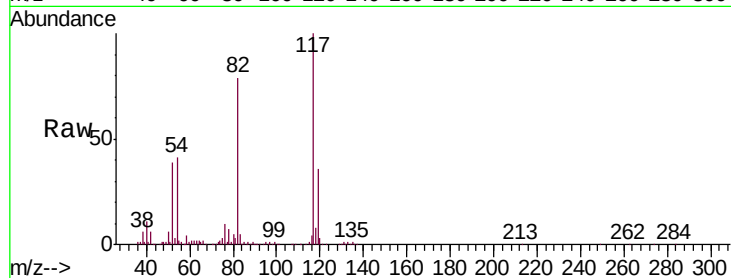
Tgt Ion:117 Resp: 2109075

Ion Ratio Lower Upper

117 100

82 74.7 58.2 87.4

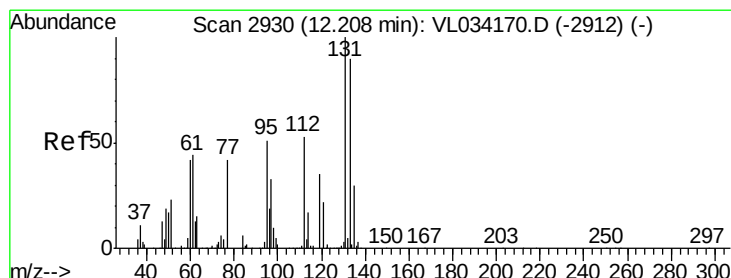
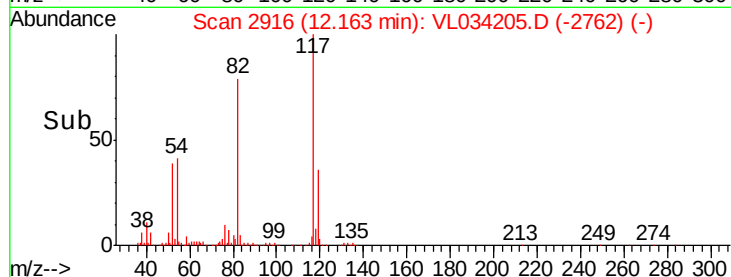
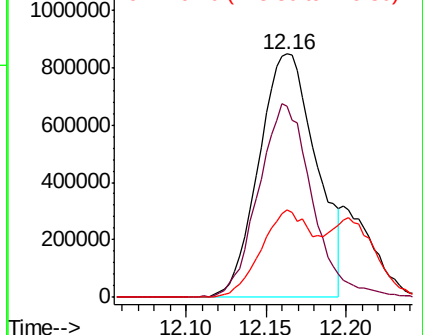
119 29.1 23.7 35.5



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.936 ppbv

RT: 12.20 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

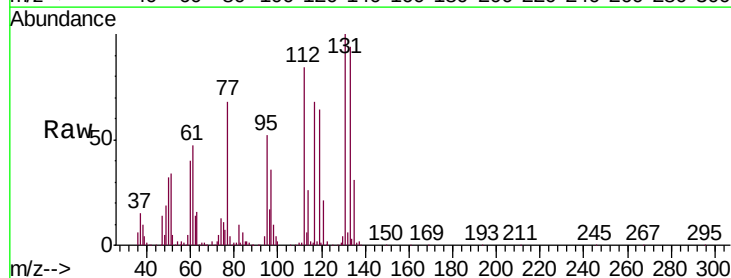
Tgt Ion:131 Resp: 934551

Ion Ratio Lower Upper

131 100

133 95.2 75.1 112.7

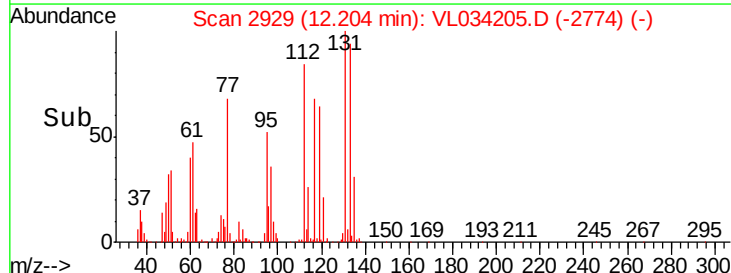
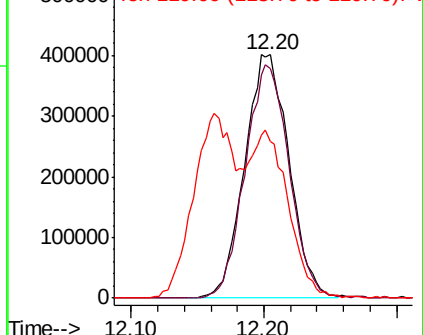
119 58.7 47.4 71.0

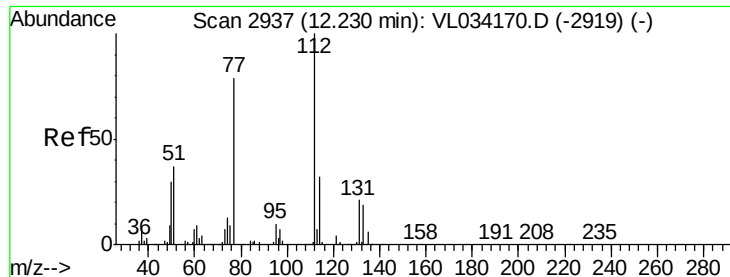


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.326 ppbv

RT: 12.22 min Scan# 2935

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

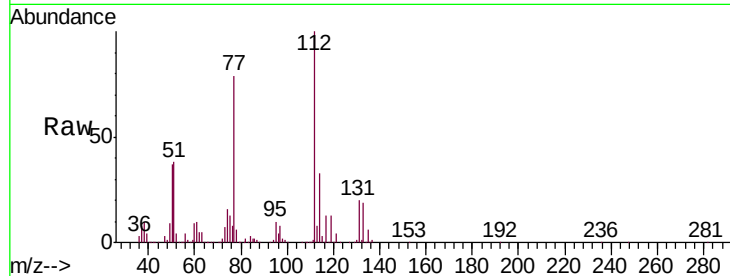
Tgt Ion: 112 Resp: 1712452

Ion Ratio Lower Upper

112 100

77 78.9 64.3 96.5

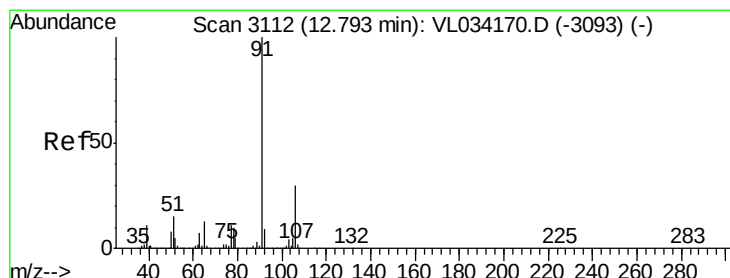
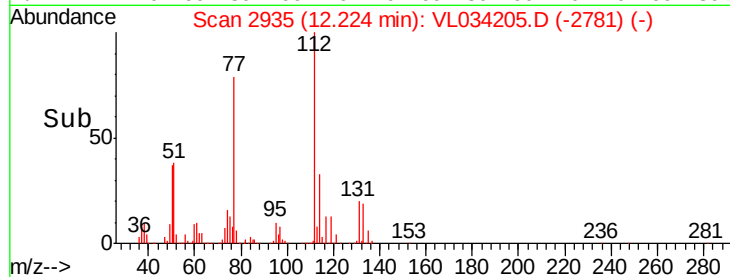
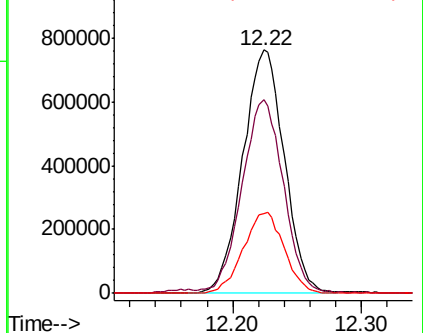
114 32.7 28.9 35.3



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: 9.606 ppbv

RT: 12.79 min Scan# 3110

Delta R.T. -0.01 min

Lab File: VL034205.D

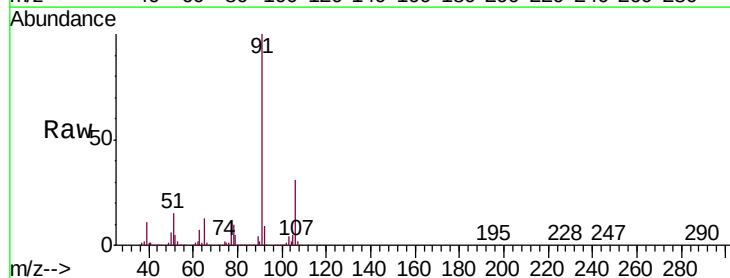
Acq: 2 Oct 2019 9:40

Tgt Ion: 91 Resp: 3268858

Ion Ratio Lower Upper

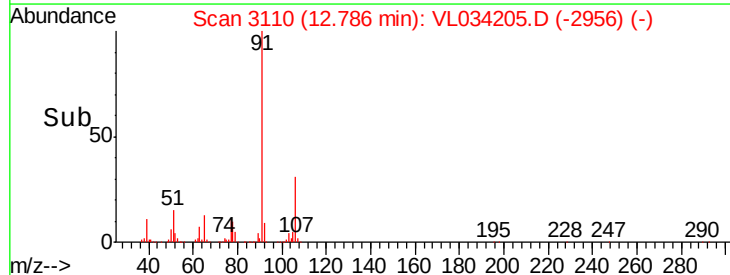
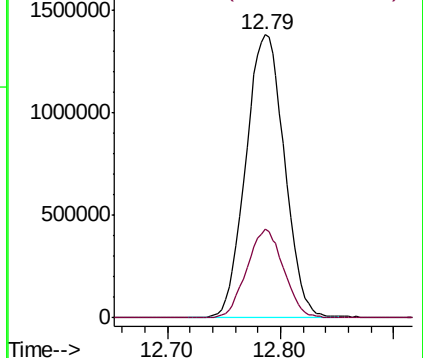
91 100

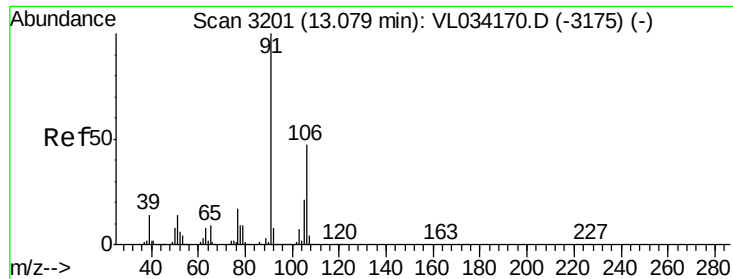
106 31.3 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

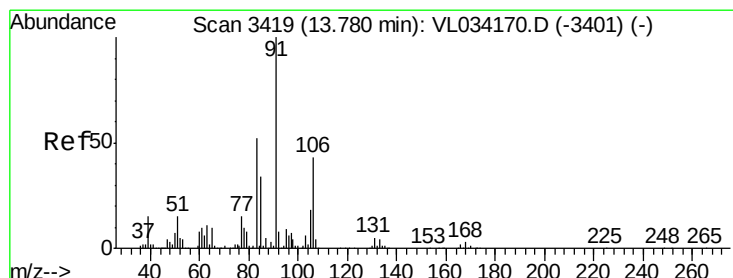
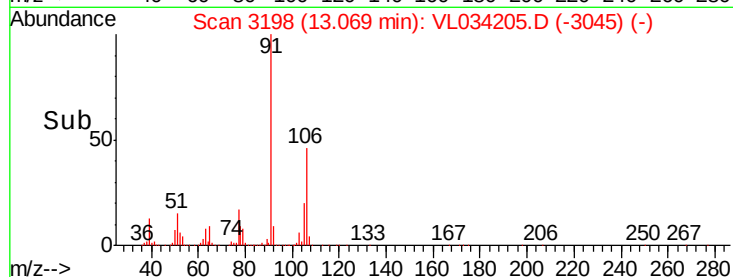
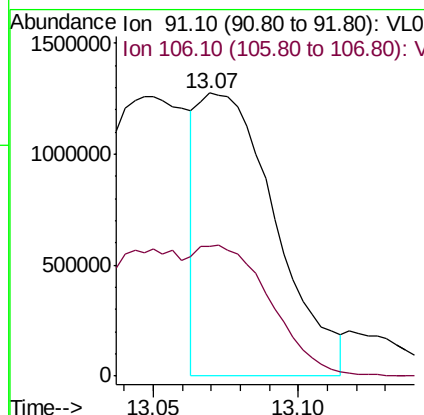
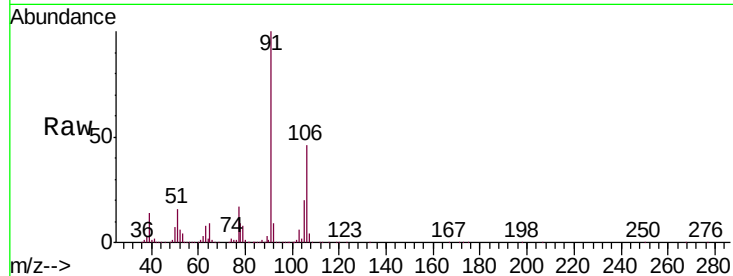




#59
m/p-Xylene
Concen: 8.308 ppbv
RT: 13.07 min Scan# 3198
Delta R.T. -0.01 min
Lab File: VL034205.D
Acq: 2 Oct 2019 9:40

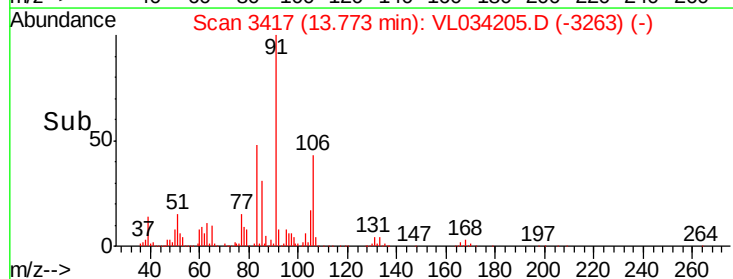
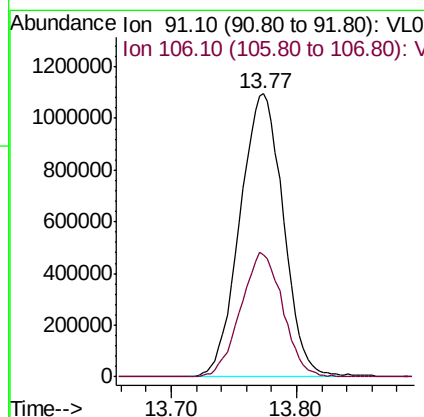
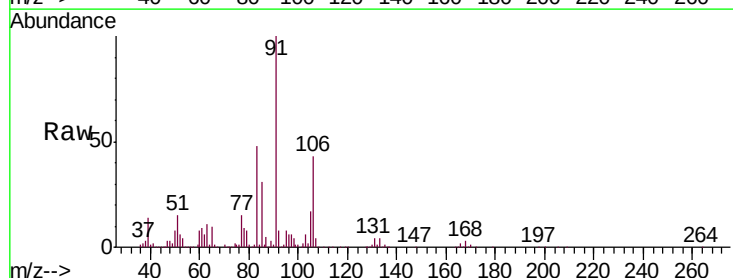
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

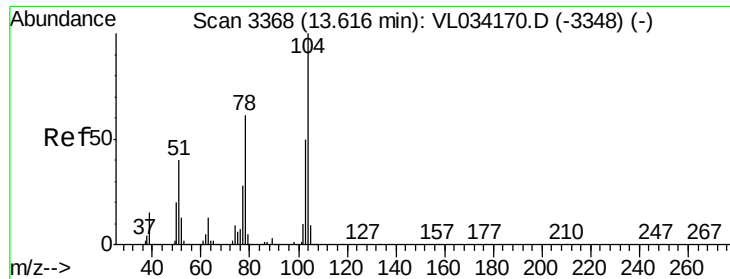
Tgt Ion: 91 Resp: 2341822
Ion Ratio Lower Upper
91 100
106 100.4 35.5 53.3#



#60
o-Xylene
Concen: 9.318 ppbv
RT: 13.77 min Scan# 3417
Delta R.T. -0.01 min
Lab File: VL034205.D
Acq: 2 Oct 2019 9:40

Tgt Ion: 91 Resp: 2626344
Ion Ratio Lower Upper
91 100
106 43.0 21.2 63.6





#61

Styrene

Concen: 9.930 ppbv

RT: 13.61 min Scan# 3366

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

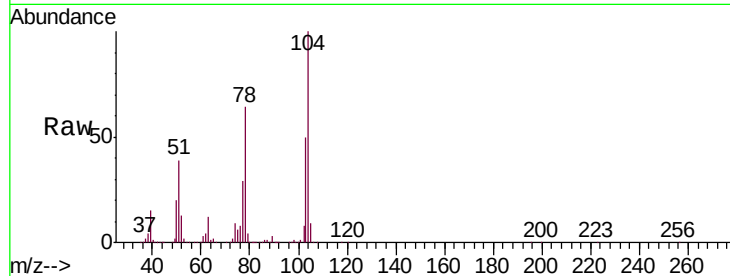
Tgt Ion:104 Resp: 2004786

Ion Ratio Lower Upper

104 100

78 62.6 49.7 74.5

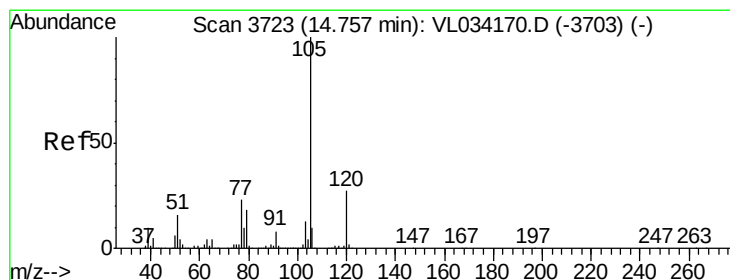
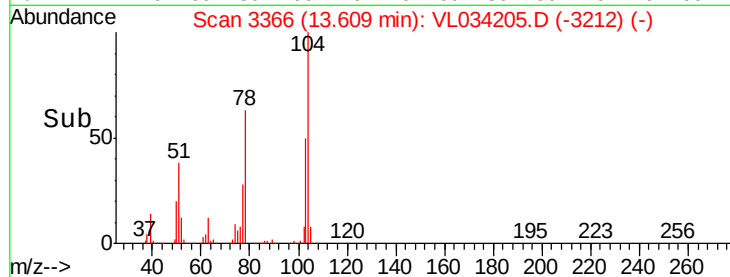
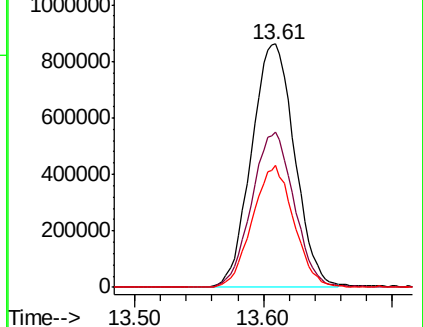
103 48.3 38.4 57.6



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: 9.383 ppbv

RT: 14.75 min Scan# 3720

Delta R.T. -0.01 min

Lab File: VL034205.D

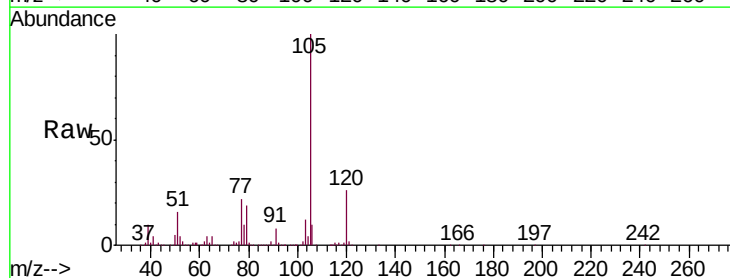
Acq: 2 Oct 2019 9:40

Tgt Ion:105 Resp: 3423526

Ion Ratio Lower Upper

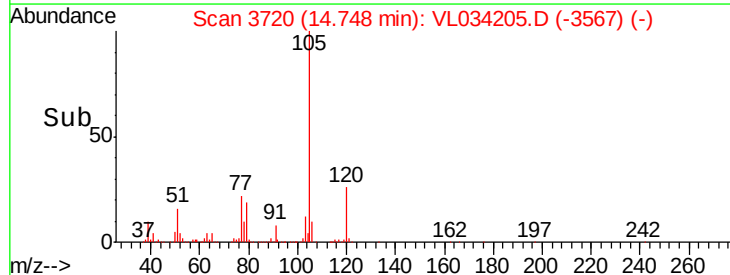
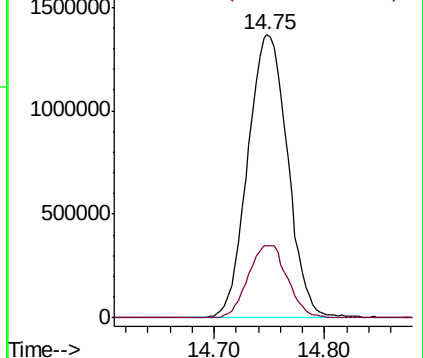
105 100

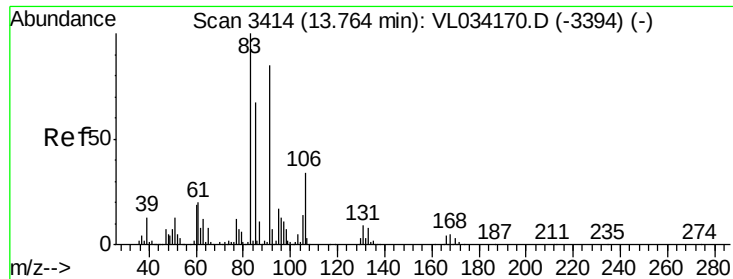
120 25.5 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

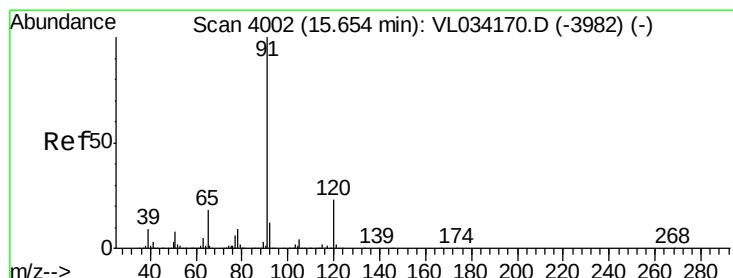
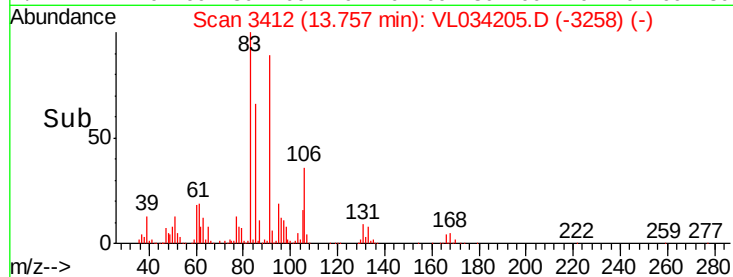
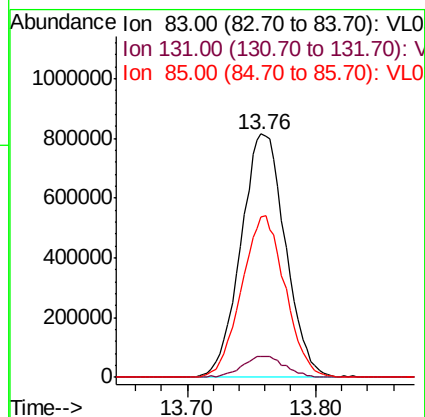
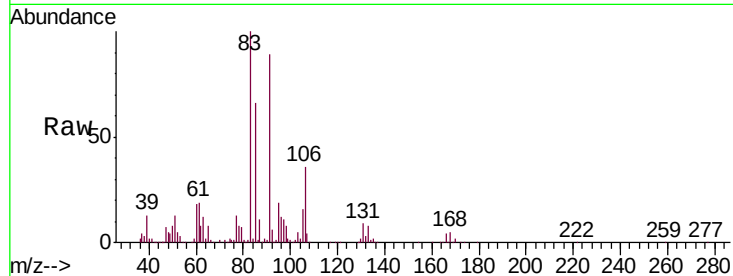




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.446 ppbv
 RT: 13.76 min Scan# 3412
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

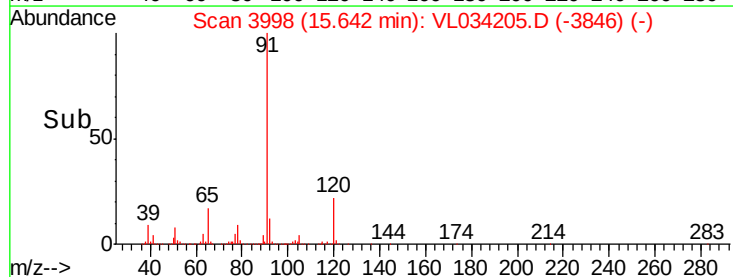
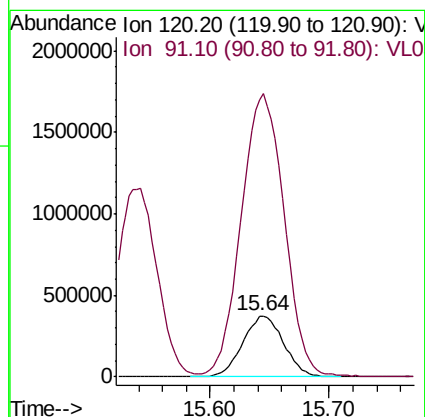
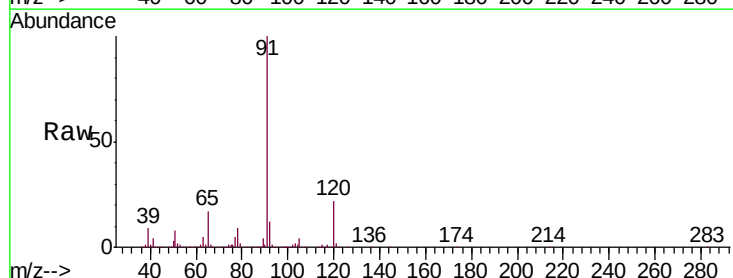
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

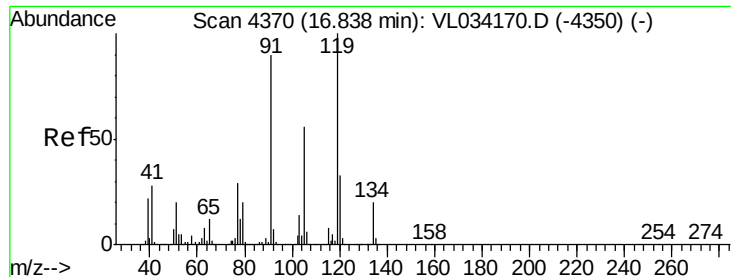
Tgt Ion: 83 Resp: 1952042
 Ion Ratio Lower Upper
 83 100
 131 8.5 4.3 12.8
 85 65.3 32.8 98.4



#64
 n-propylbenzene
 Concen: 9.642 ppbv
 RT: 15.64 min Scan# 3998
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

Tgt Ion: 120 Resp: 890000
 Ion Ratio Lower Upper
 120 100
 91 490.8 378.2 567.2

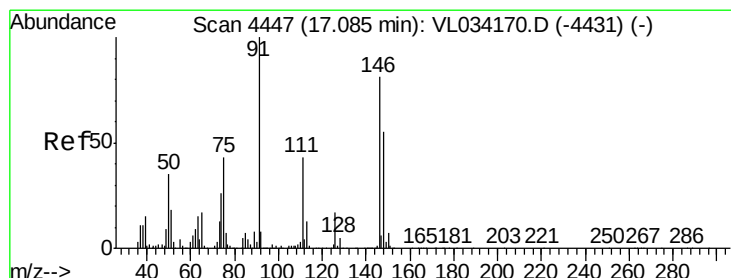
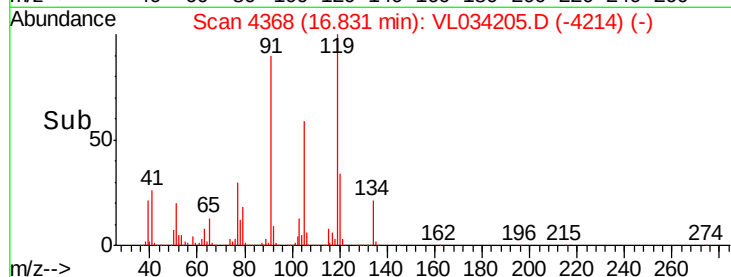
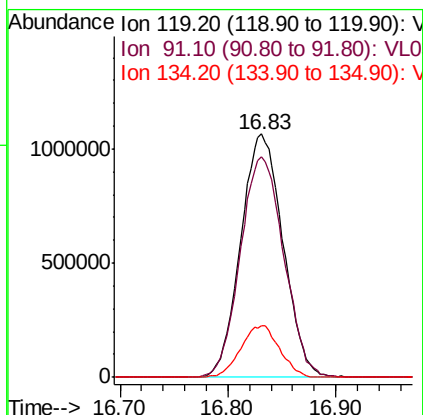
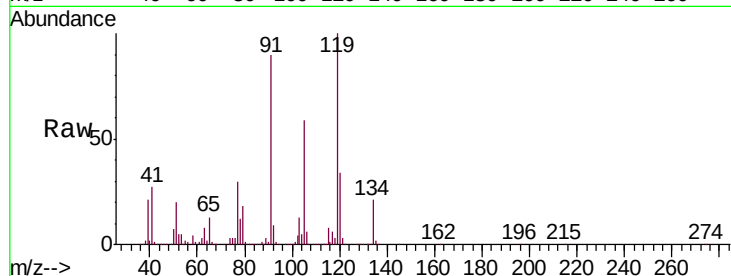




#65
 tert-Butylbenzene
 Concen: 9.091 ppbv
 RT: 16.83 min Scan# 4368
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

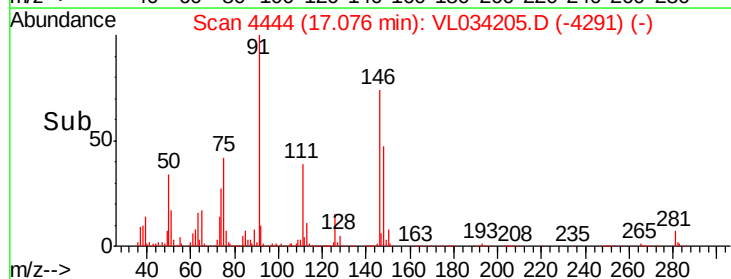
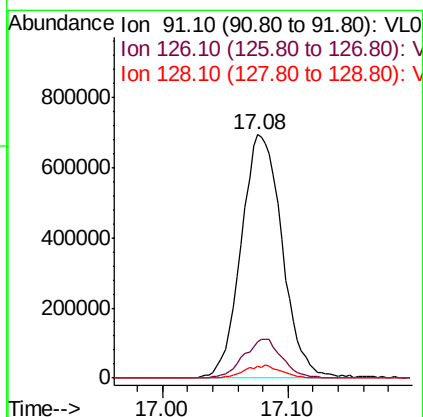
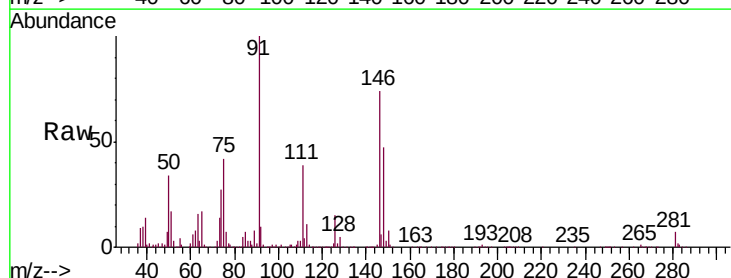
Instrument :
 MSVOA_L
 ClientSampled :
 VSTDCCC010

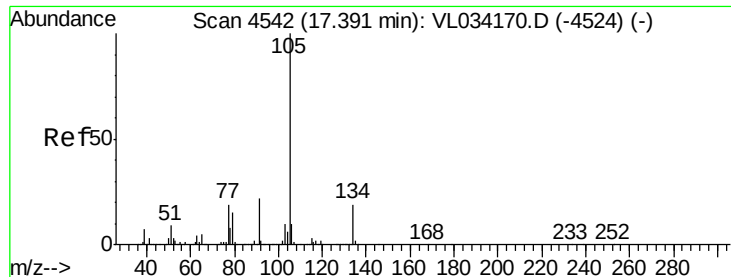
Tgt Ion: 119 Resp: 2898229
 Ion Ratio Lower Upper
 119 100
 91 93.3 74.9 112.3
 134 19.7 15.8 23.6



#66
 Benzyl Chloride
 Concen: 13.882 ppbv
 RT: 17.08 min Scan# 4444
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

Tgt Ion: 91 Resp: 1565743
 Ion Ratio Lower Upper
 91 100
 126 15.2 12.6 19.0
 128 4.9 4.0 6.0





#67

sec-Butylbenzene

Concen: 9.329 ppbv

RT: 17.38 min Scan# 4539

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Instrument :

MSVOA_L

ClientSampleId :

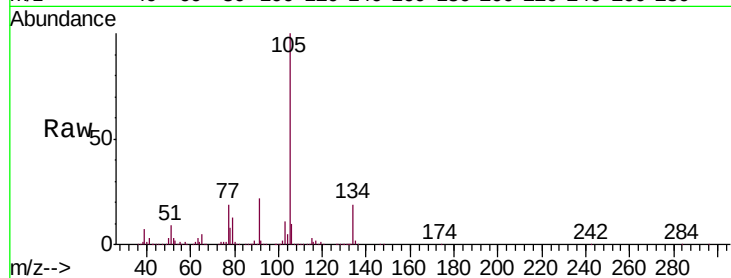
VSTDCCC010

Tgt Ion: 105 Resp: 4252962

Ion Ratio Lower Upper

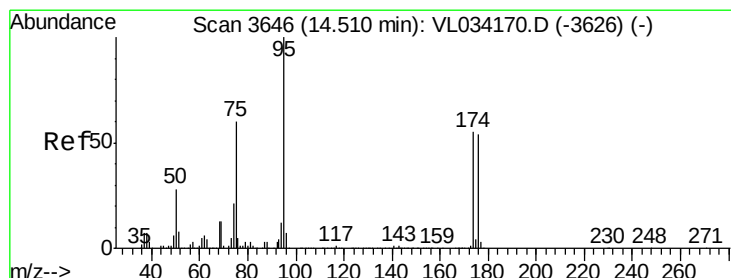
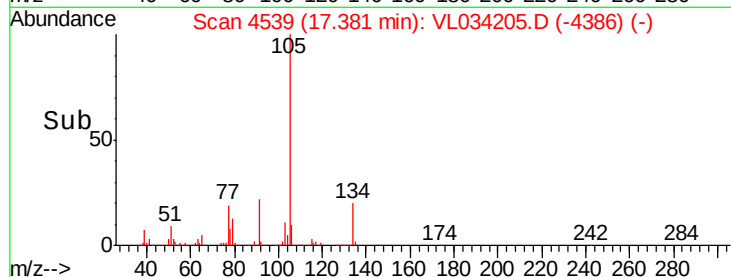
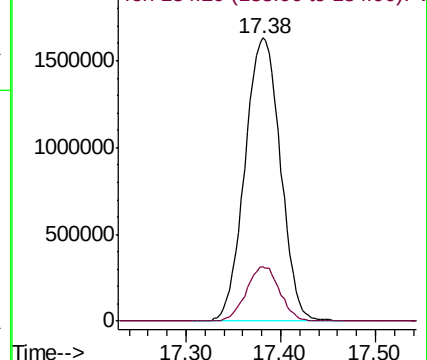
105 100

134 18.1 14.6 22.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.708 ppbv

RT: 14.50 min Scan# 3642

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

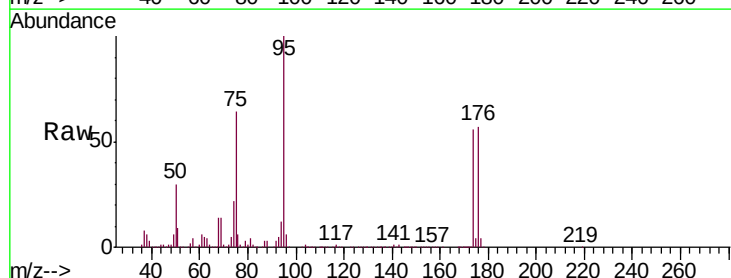
Tgt Ion: 95 Resp: 1779102

Ion Ratio Lower Upper

95 100

174 56.8 45.1 67.7

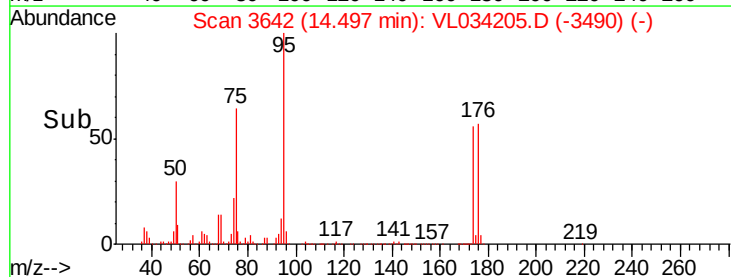
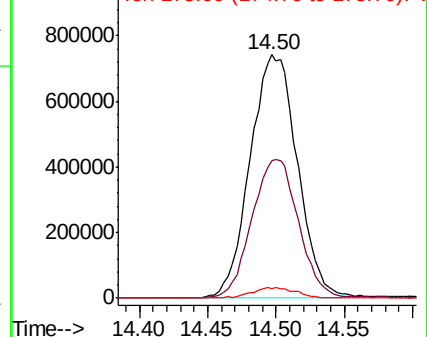
175 4.1 3.3 4.9

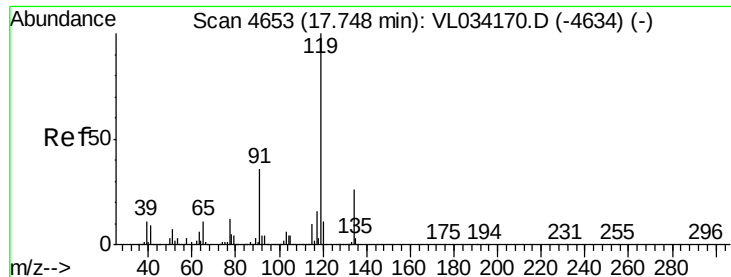


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

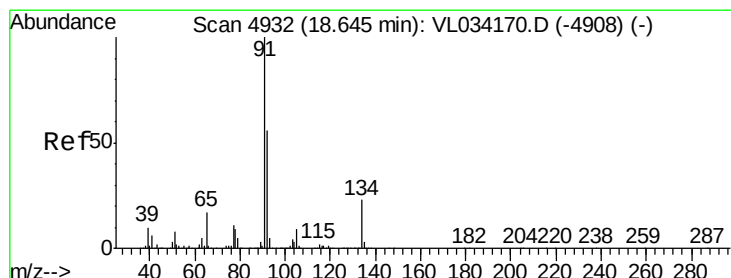
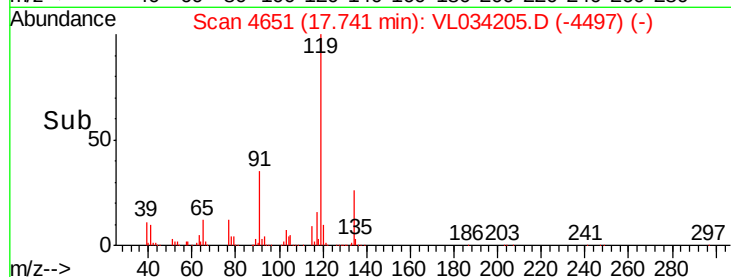
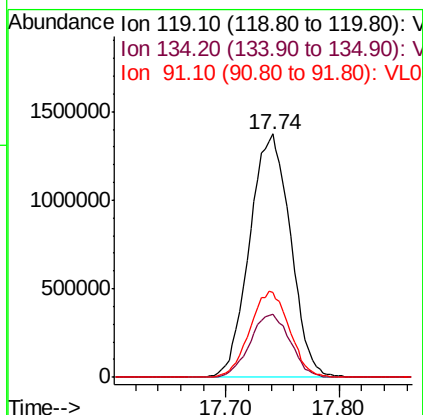
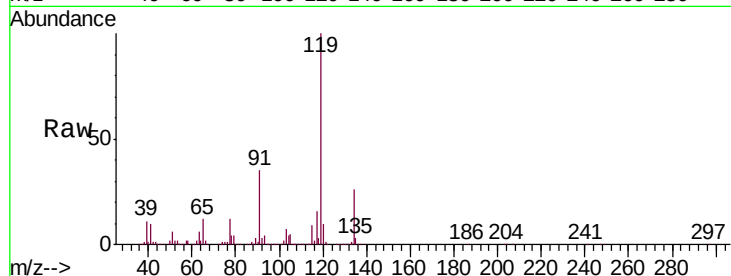




#69
 p-Isopropyltoluene
 Concen: 9.331 ppbv
 RT: 17.74 min Scan# 4651
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

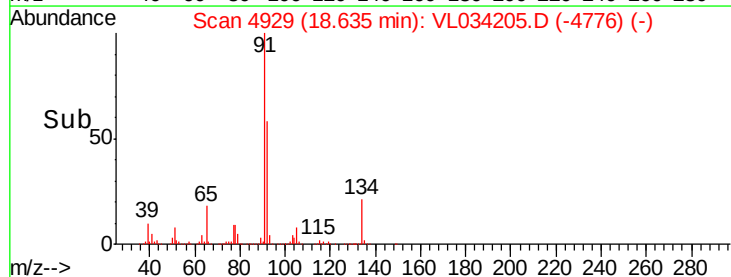
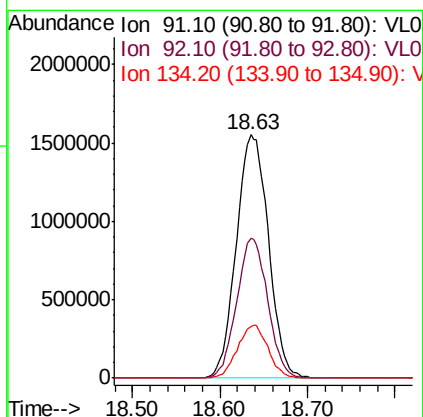
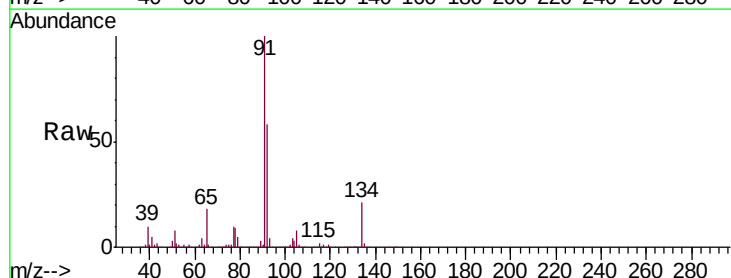
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

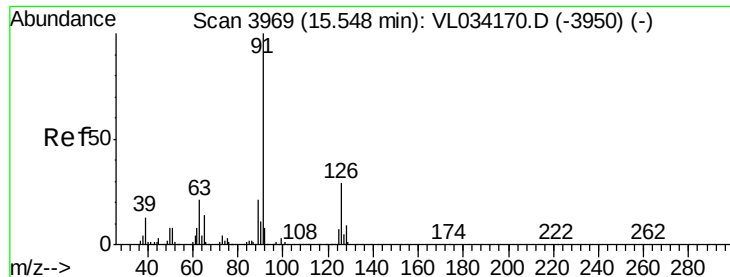
Tgt Ion: 119 Resp: 3444568
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.6 30.8
 91 34.2 27.6 41.4



#70
 n-Butylbenzene
 Concen: 9.202 ppbv
 RT: 18.63 min Scan# 4929
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

Tgt Ion: 91 Resp: 3955103
 Ion Ratio Lower Upper
 91 100
 92 55.3 44.8 67.2
 134 20.7 17.3 25.9





#71

2-Chlorotoluene

Concen: 9.482 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Instrument :

MSVOA_L

ClientSampleId :

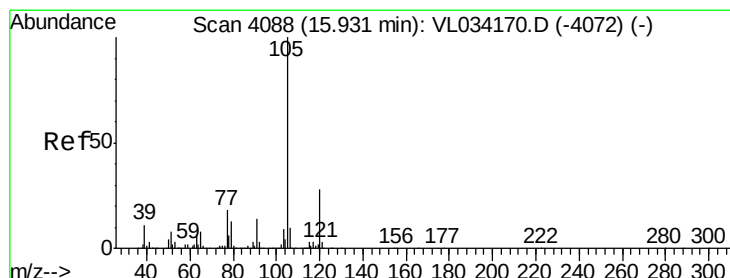
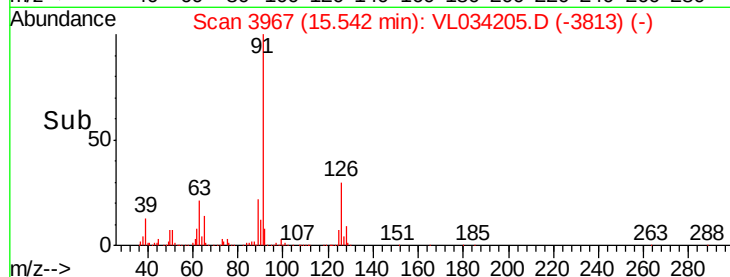
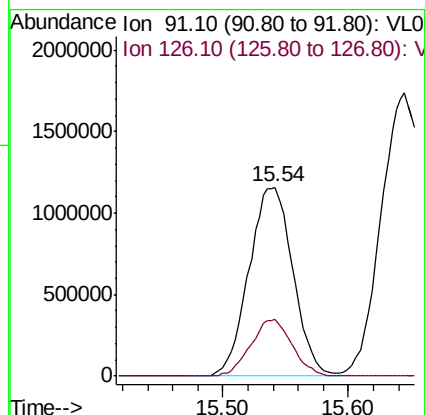
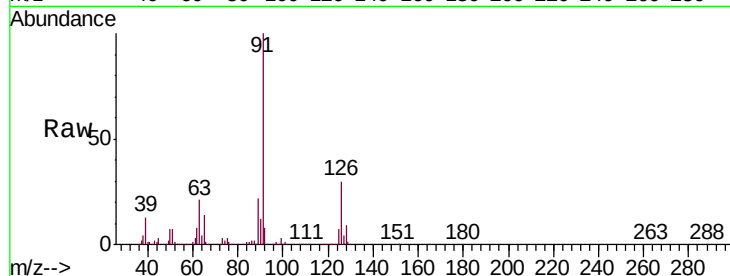
VSTDCCC010

Tgt Ion: 91 Resp: 2826653

Ion Ratio Lower Upper

91 100

126 28.5 11.2 45.0



#72

4-Ethyltoluene

Concen: 9.609 ppbv

RT: 15.92 min Scan# 4086

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Tgt Ion: 105 Resp: 3059713

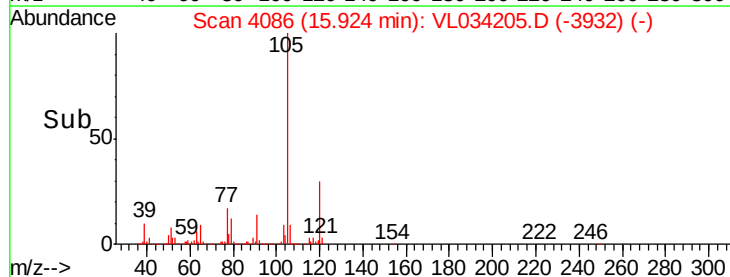
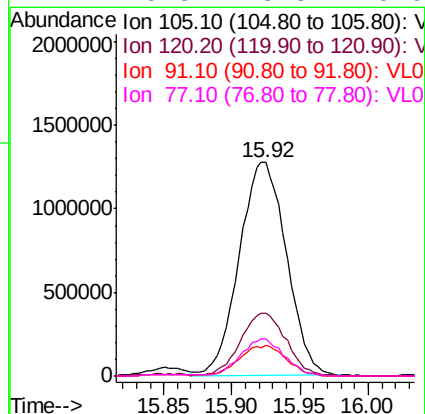
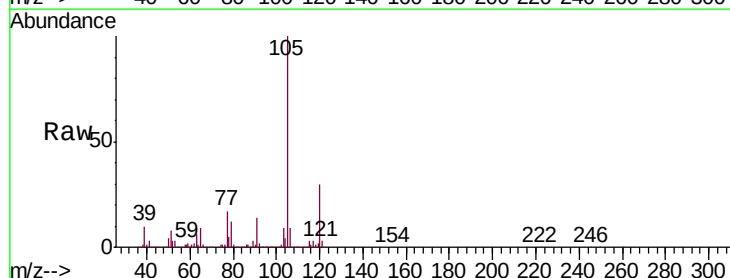
Ion Ratio Lower Upper

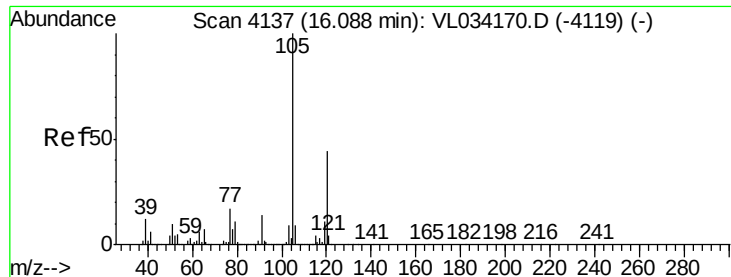
105 100

120 28.7 23.3 34.9

91 14.3 11.4 17.2

77 16.3 13.3 19.9





#73

1,3,5-Trimethylbenzene

Concen: 9.475 ppbv

RT: 16.08 min Scan# 4134

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Instrument :

MSVOA_L

ClientSampleId :

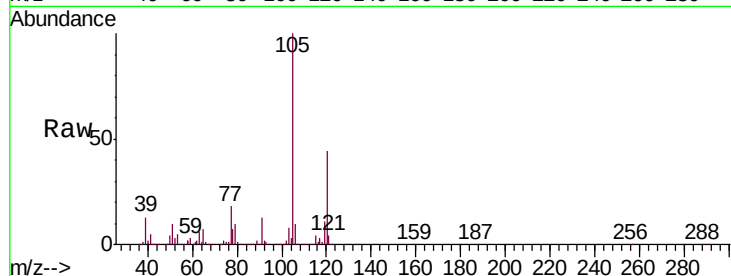
VSTDCCC010

Tgt Ion:105 Resp: 2914734

Ion Ratio Lower Upper

105 100

120 43.8 35.6 53.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

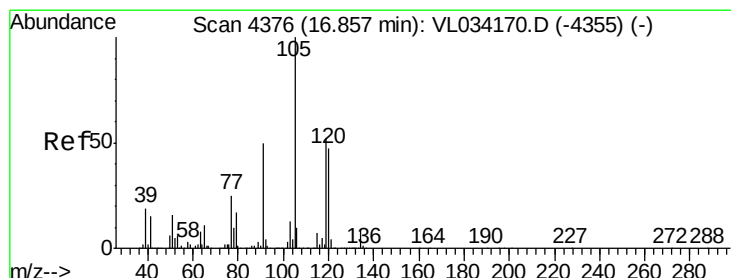
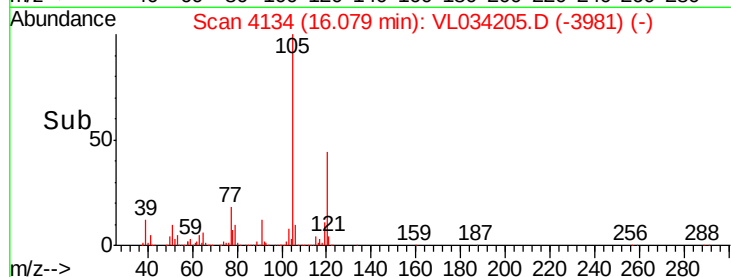
16.08

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.993 ppbv

RT: 16.85 min Scan# 4374

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Tgt Ion:105 Resp: 2937592

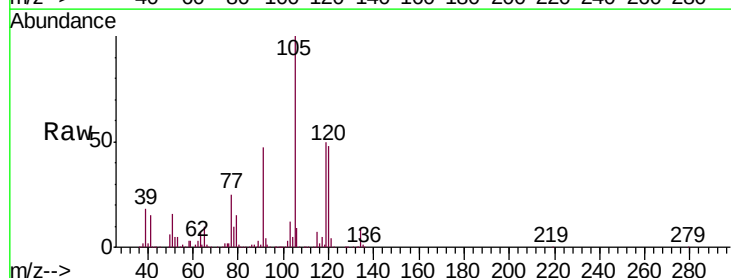
Ion Ratio Lower Upper

105 100

120 47.6 37.5 56.3

91 47.2 41.1 61.7

77 24.7 19.9 29.9



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

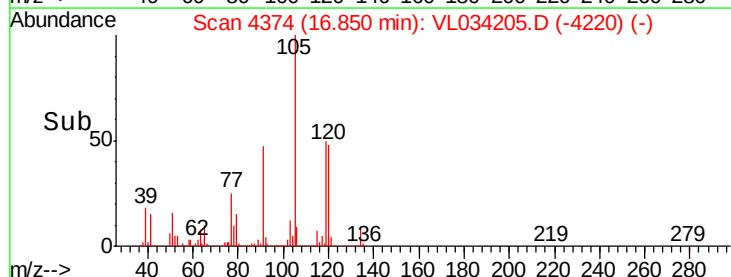
1500000

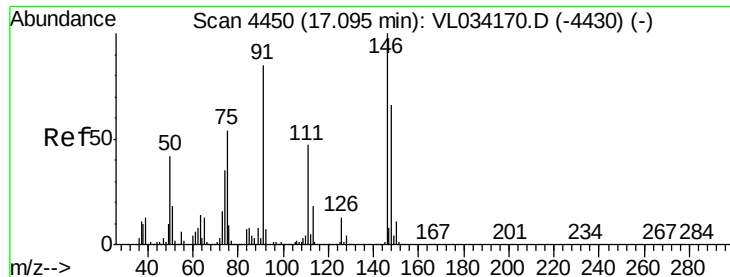
1000000

500000

0

Time-->

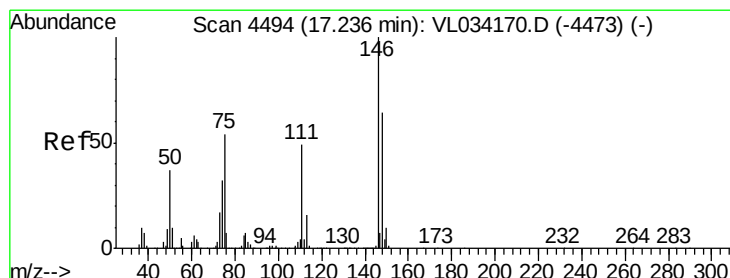
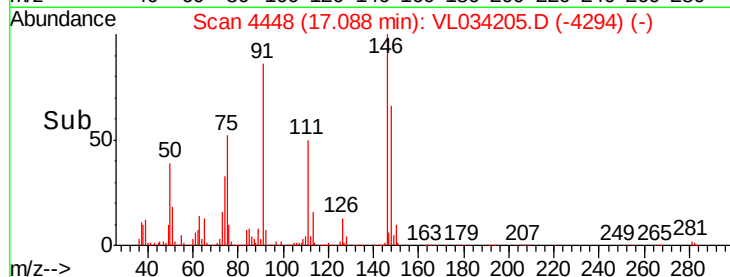
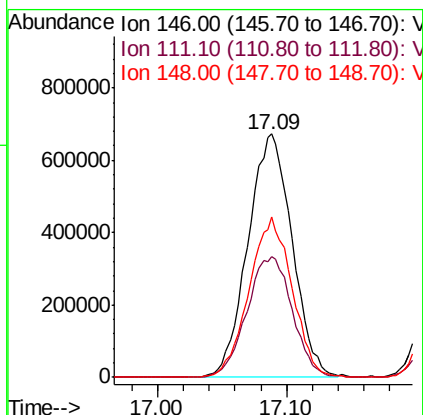
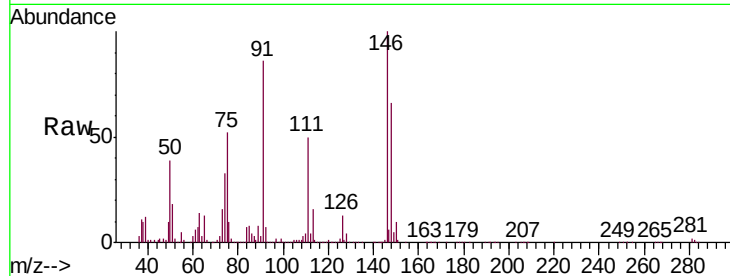




#75
 1,3-Dichlorobenzene
 Concen: 9.155 ppbv
 RT: 17.09 min Scan# 4448
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

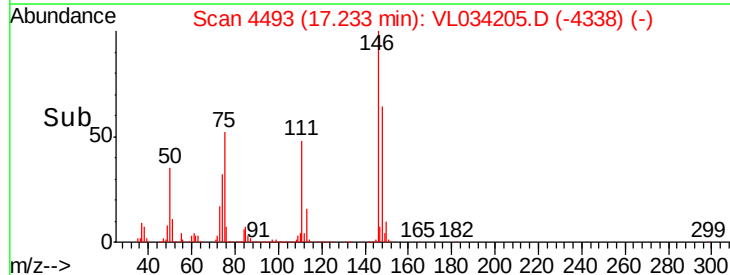
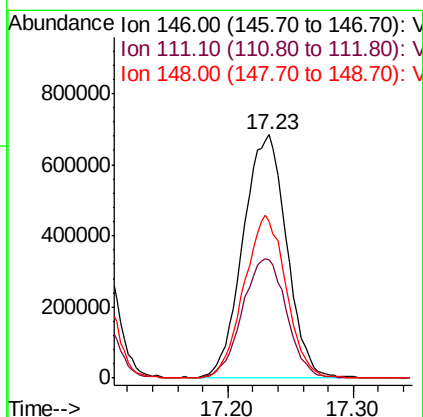
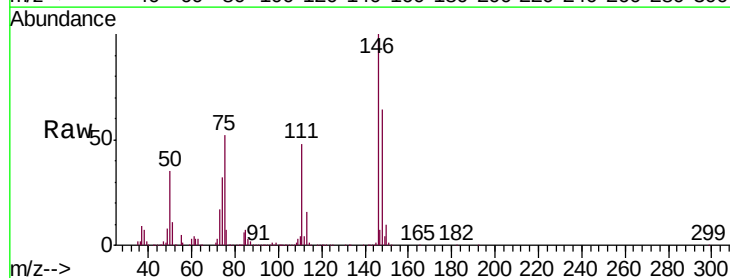
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

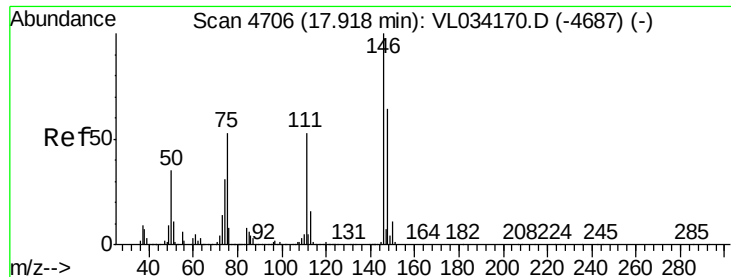
Tgt Ion:146 Resp: 1604461
 Ion Ratio Lower Upper
 146 100
 111 51.0 25.9 77.8
 148 64.0 32.6 97.7



#76
 1,4-Dichlorobenzene
 Concen: 9.143 ppbv
 RT: 17.23 min Scan# 4493
 Delta R.T. -0.00 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

Tgt Ion:146 Resp: 1640967
 Ion Ratio Lower Upper
 146 100
 111 50.0 24.6 74.0
 148 65.3 32.4 97.0

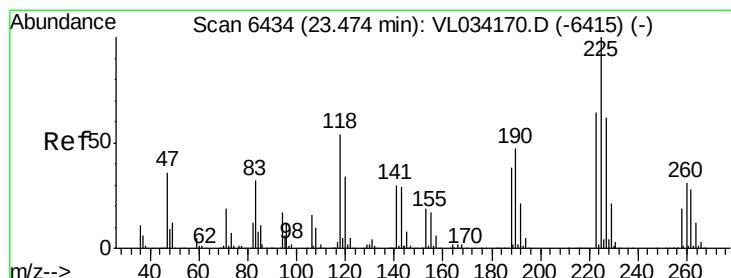
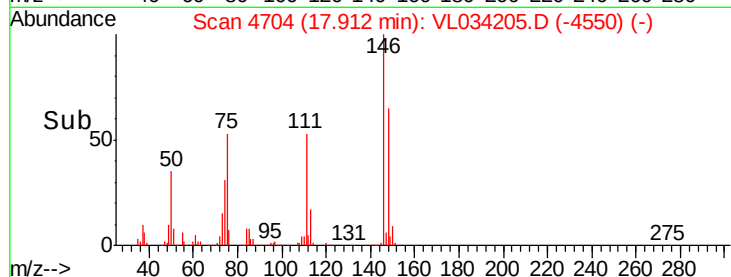
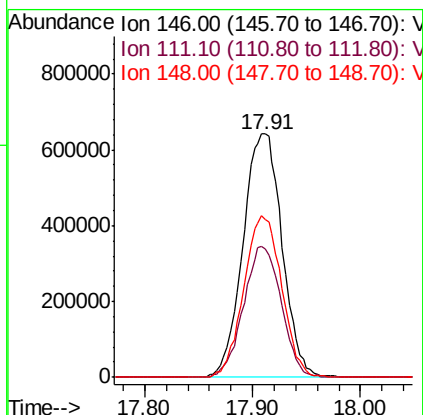
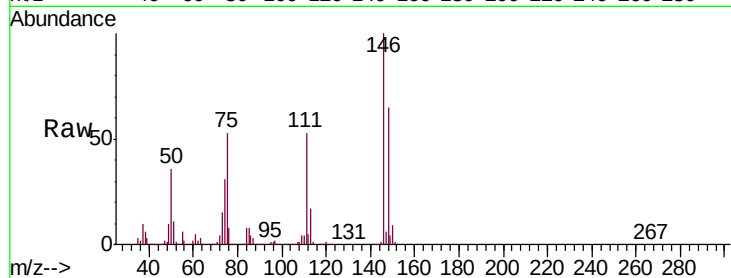




#77
 1,2-Dichlorobenzene
 Concen: 9.107 ppbv
 RT: 17.91 min Scan# 4704
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

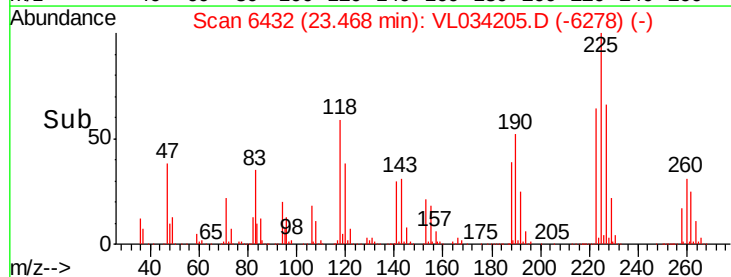
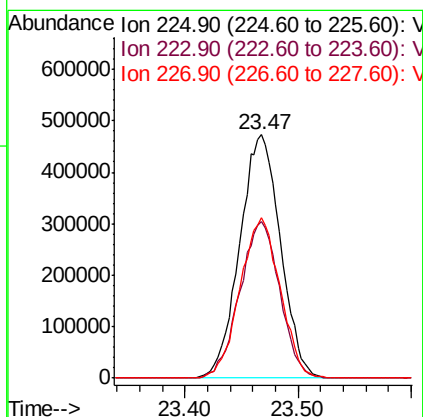
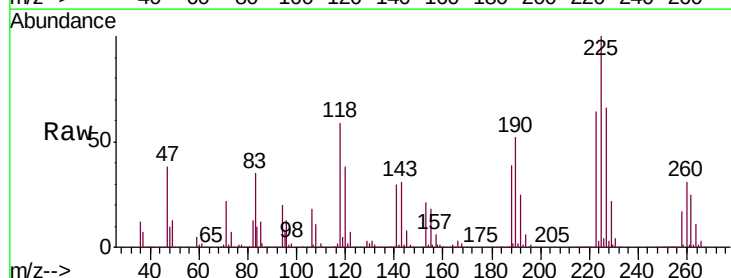
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

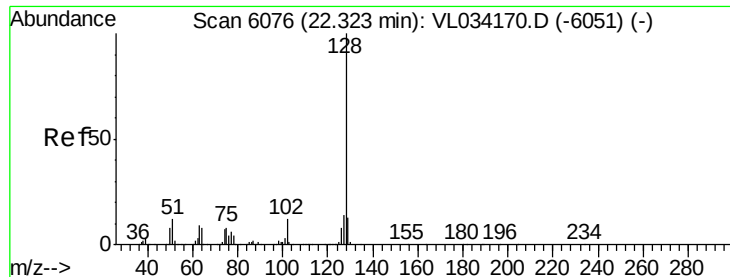
Tgt Ion:146 Resp: 1615341
 Ion Ratio Lower Upper
 146 100
 111 52.2 26.1 78.3
 148 64.4 31.9 95.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 10.072 ppbv
 RT: 23.47 min Scan# 6432
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

Tgt Ion:225 Resp: 1183307
 Ion Ratio Lower Upper
 225 100
 223 63.0 51.7 77.5
 227 64.7 52.1 78.1





#79

Naphthalene

Concen: 9.312 ppbv

RT: 22.31 min Scan# 6073

Delta R.T. -0.01 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

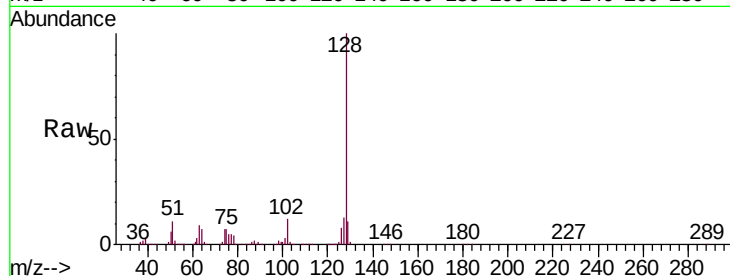
Tgt Ion:128 Resp: 2677953

Ion Ratio Lower Upper

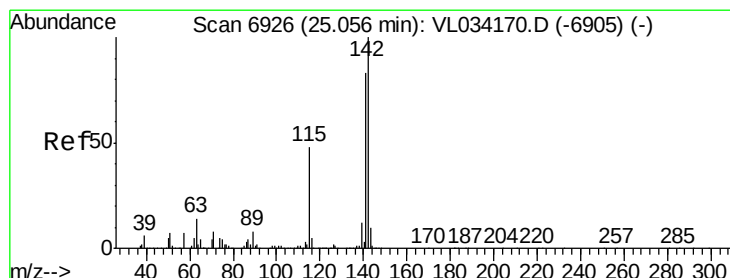
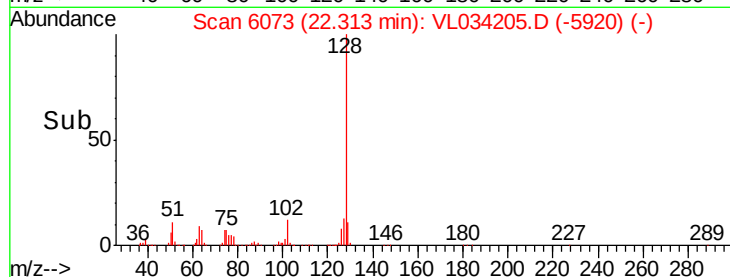
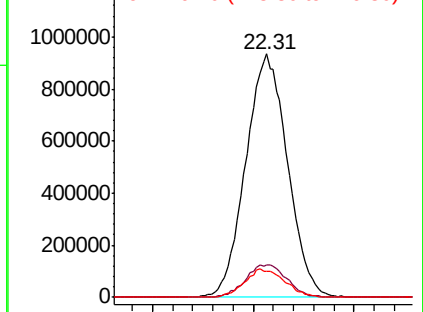
128 100

127 13.2 11.1 16.7

129 10.8 10.2 15.4



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: 10.836 ppbv

RT: 25.05 min Scan# 6925

Delta R.T. -0.00 min

Lab File: VL034205.D

Acq: 2 Oct 2019 9:40

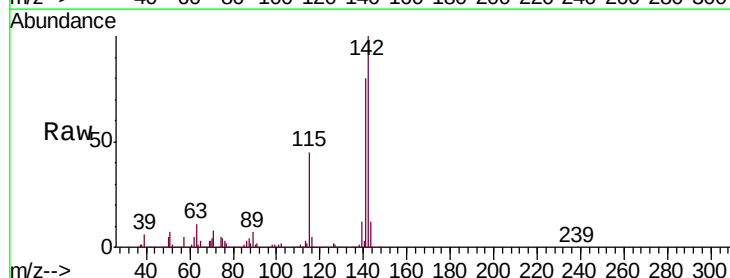
Tgt Ion:142 Resp: 1449081

Ion Ratio Lower Upper

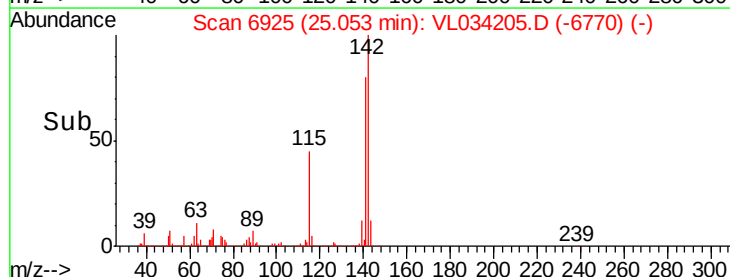
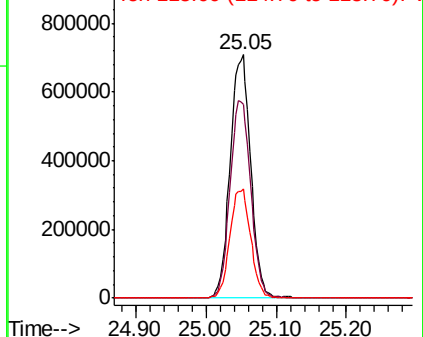
142 100

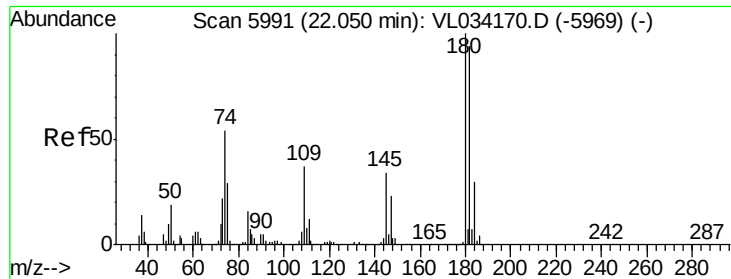
141 82.4 67.6 101.4

115 45.3 36.9 55.3



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

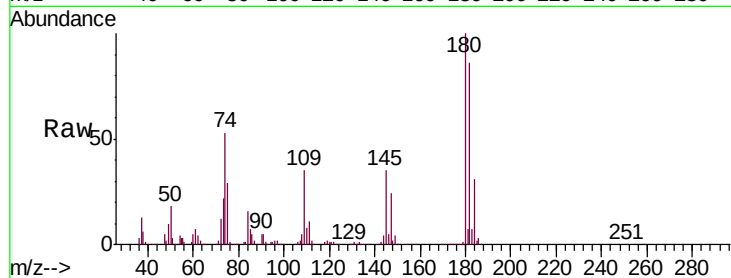




#81
 1,2,4-Trichlorobenzene
 Concen: 9.148 ppbv
 RT: 22.04 min Scan# 5988
 Delta R.T. -0.01 min
 Lab File: VL034205.D
 Acq: 2 Oct 2019 9:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 1457251
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.4 116.2
 184 30.4 25.0 37.4



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

