

Data File : VV013501.D
Acq On : 06 Nov 2019 16:23
Operator : SY/MD
Sample : MDL04
Misc : 5.0G/5mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Quant Time: Nov 07 02:47:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM110619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 07 01:53:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	933197	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	888348	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	408746	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	254124	46.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.02%
7) Chloroethane-d5	1.58	69	213341	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.92%
11) 1,1-Dichloroethene-d2	2.13	63	346572	36.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.52%
21) 2-Butanone-d5	3.92	46	444715	110.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.06%
24) Chloroform-d	4.40	84	549456	46.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.64%
26) 1,2-Dichloroethane-d4	5.08	65	379492	49.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.04%
32) Benzene-d6	5.10	84	1166414	49.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.46%
36) 1,2-Dichloropropane-d6	6.11	67	383767	49.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.86%
41) Toluene-d8	7.36	98	1054162	48.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.70%
43) trans-1,3-Dichloropropene-	7.66	79	167914	47.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.08%
47) 2-Hexanone-d5	8.13	63	263257	94.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.42%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	456807	47.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.62%
64) 1,2-Dichlorobenzene-d4	11.67	152	431271	52.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.86%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	16135	2.077 ug/L	94
3) Chloromethane	1.25	50	16496	2.236 ug/L	98
5) Vinyl chloride	1.32	62	15675	2.274 ug/L #	41
6) Bromomethane	1.53	94	8103	2.450 ug/L	85
8) Chloroethane	1.60	64	9343	2.419 ug/L	96
9) Trichlorofluoromethane	1.77	101	20826	2.276 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	14248	2.765 ug/L #	84
12) 1,1-Dichloroethene	2.14	96	12151	2.470 ug/L #	1
13) Acetone	2.18	43	16963	4.499 ug/L	97
14) Carbon disulfide	2.32	76	38563	2.240 ug/L	99
15) Methyl Acetate	2.46	43	14630	2.127 ug/L	94
16) Methylene chloride	2.53	84	16120	2.421 ug/L	96
17) trans-1,2-Dichloroethene	2.79	96	13915	2.272 ug/L	94
18) Methyl tert-butyl Ether	2.80	73	41511	2.222 ug/L	95
19) 1,1-Dichloroethane	3.23	63	25423	2.176 ug/L	97
22) 2-Butanone	4.03	43	15857	3.175 ug/L	82
23) Bromochloromethane	4.31	128	8346	2.361 ug/L	87

Data File : VV013501.D
Acq On : 06 Nov 2019 16:23
Operator : SY/MD
Sample : MDL04
Misc : 5.0G/5mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Quant Time: Nov 07 02:47:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM110619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 07 01:53:11 2019
Response via : Initial Calibration

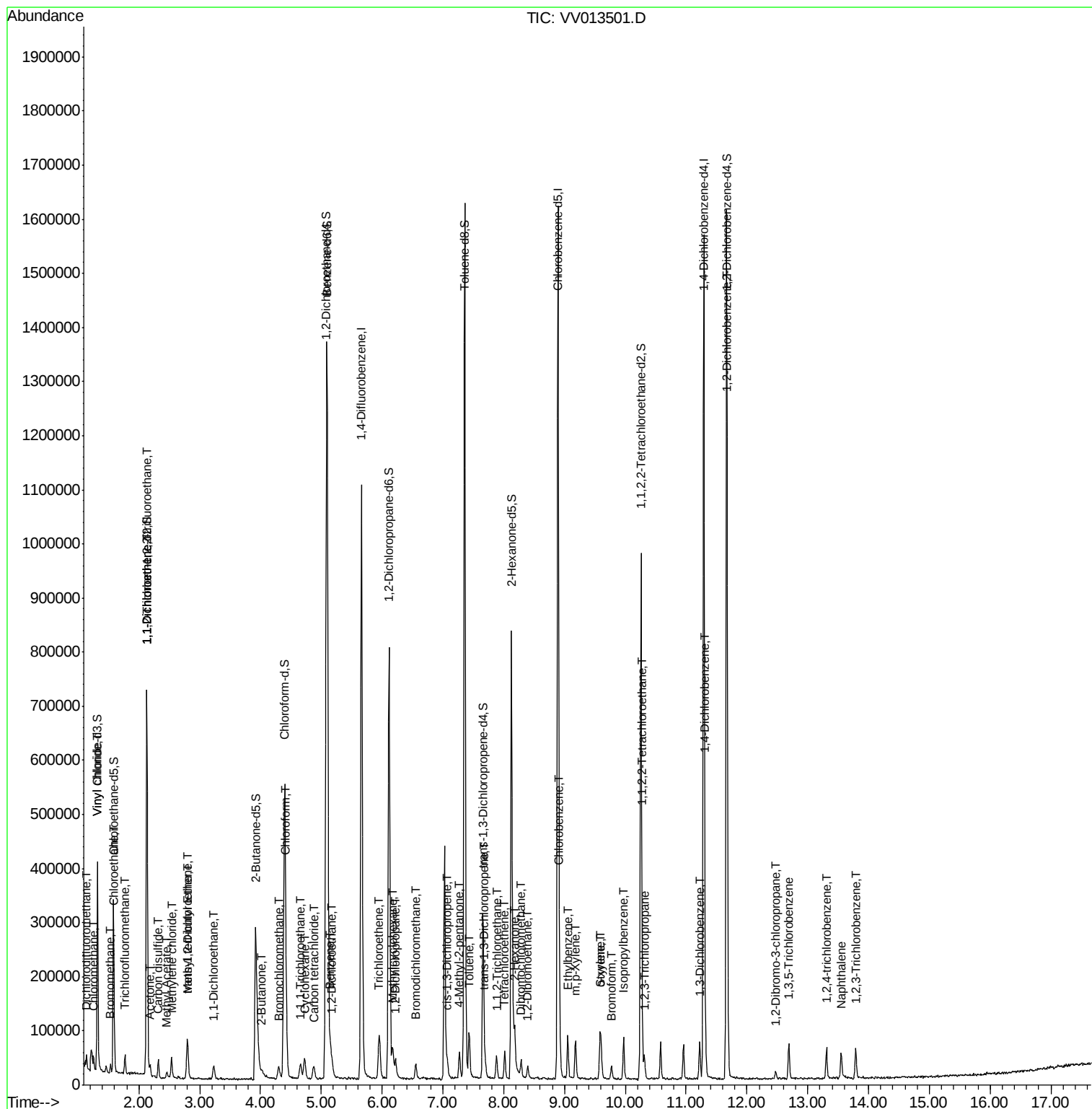
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.42	83	47922	3.988	ug/L	96
27) 1,2-Dichloroethane	5.18	62	21676	2.354	ug/L	96
29) Cyclohexane	4.72	56	18421	1.805	ug/L #	91
30) 1,1,1-Trichloroethane	4.66	97	22229	2.248	ug/L	93
31) Carbon tetrachloride	4.88	117	18649	2.115	ug/L	98
33) Benzene	5.15	78	56758	2.250	ug/L	100
34) Trichloroethene	5.96	95	15469	2.308	ug/L	89
35) Methylcyclohexane	6.17	83	19638	1.901	ug/L	98
37) 1,2-Dichloropropane	6.22	63	12957	1.952	ug/L	100
38) Bromodichloromethane	6.55	83	18705	2.142	ug/L #	98
39) cis-1,3-Dichloropropene	7.07	75	21190	2.101	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	33332	3.895	ug/L	98
42) Toluene	7.43	91	59440	2.261	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	18324	2.088	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	14627	2.353	ug/L	92
46) Tetrachloroethene	8.02	164	12602	2.203	ug/L	90
48) 2-Hexanone	8.18	43	50474	7.468	ug/L	97
49) Dibromochloromethane	8.29	129	14409	2.016	ug/L	79
50) 1,2-Dibromoethane	8.40	107	14189	2.175	ug/L #	94
51) Chlorobenzene	8.92	112	39723	2.274	ug/L	95
52) Ethylbenzene	9.05	91	57124	2.003	ug/L	99
53) m,p-Xylene	9.18	106	19606	1.811	ug/L	90
54) o-xylene	9.59	106	20432	1.968	ug/L	99
55) Styrene	9.60	104	29748	1.657	ug/L	92
56) Isopropylbenzene	9.97	105	47210	1.732	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	22421	2.388	ug/L #	98
59) 1,2,3-Trichloropropane	10.31	75	18077	2.313	ug/L	99
61) Bromoform	9.77	173	11037	2.303	ug/L	96
62) 1,3-Dichlorobenzene	11.22	146	29380	2.372	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	31431	2.450	ug/L	93
65) 1,2-Dichlorobenzene	11.68	146	30414	2.452	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	4110	2.402	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.69	180	21616	2.233	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	18517	2.184	ug/L	99
69) Naphthalene	13.55	128	41453	1.830	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	18280	2.030	ug/L	99

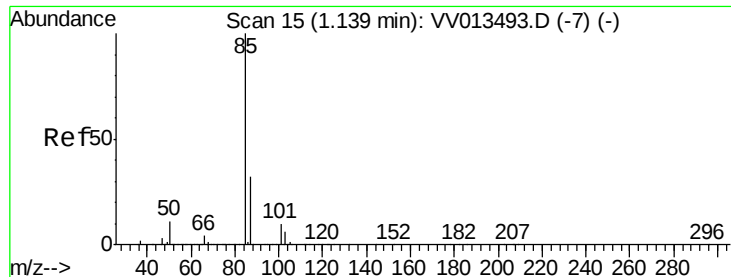
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV013501.D
Acq On : 06 Nov 2019 16:23
Operator : SY/MD
Sample : MDL04
Misc : 5.0G/5mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Quant Time: Nov 07 02:47:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM110619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 07 01:53:11 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.077 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

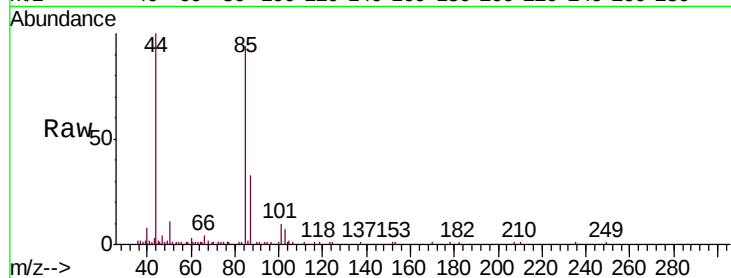
MDL04

Tgt Ion: 85 Resp: 16135

Ion Ratio Lower Upper

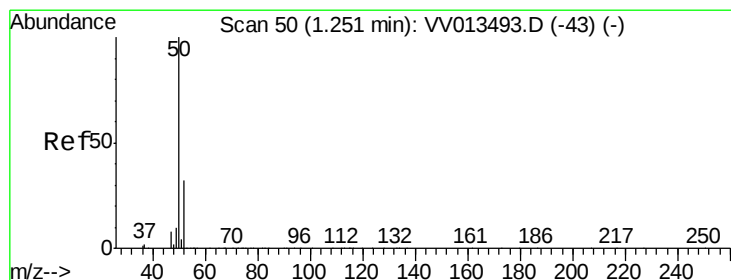
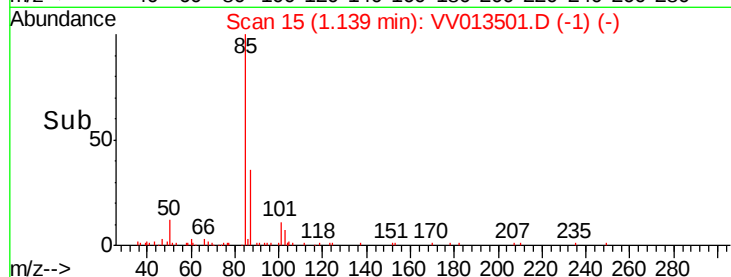
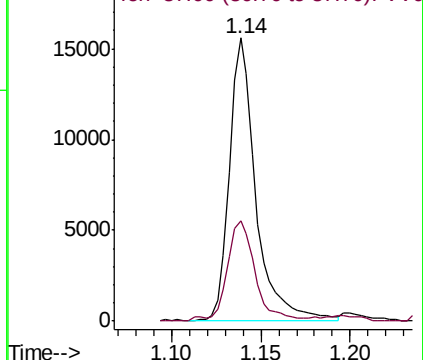
85 100

87 34.9 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.236 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013501.D

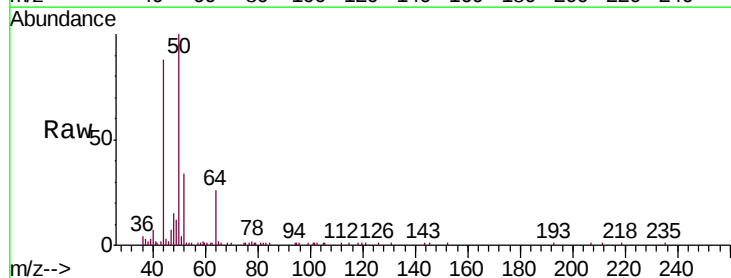
Acq: 06 Nov 2019 16:23

Tgt Ion: 50 Resp: 16496

Ion Ratio Lower Upper

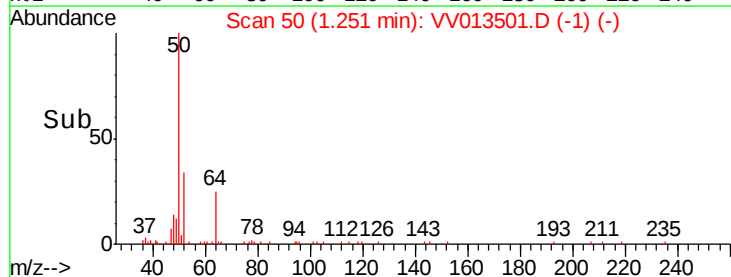
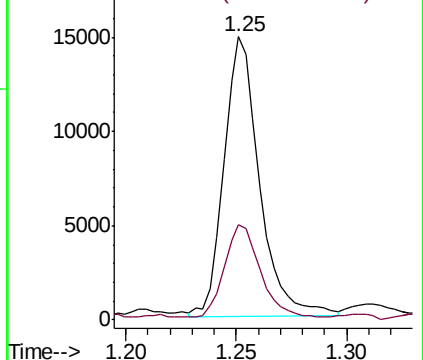
50 100

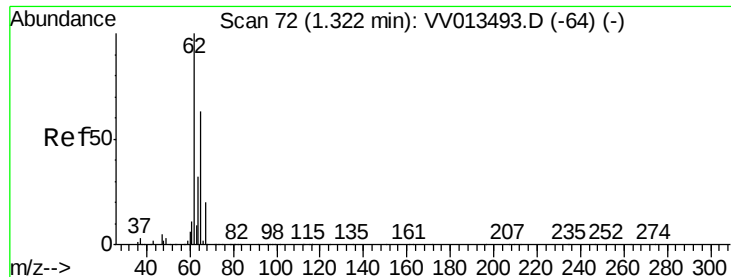
52 33.6 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.274 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

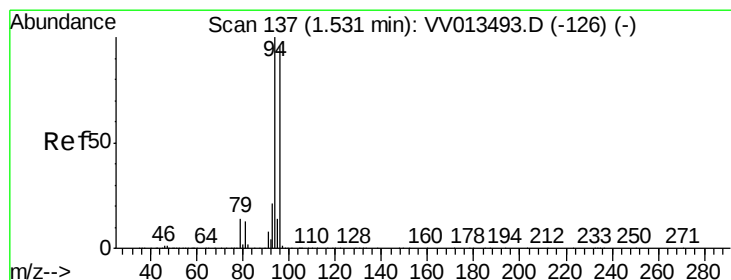
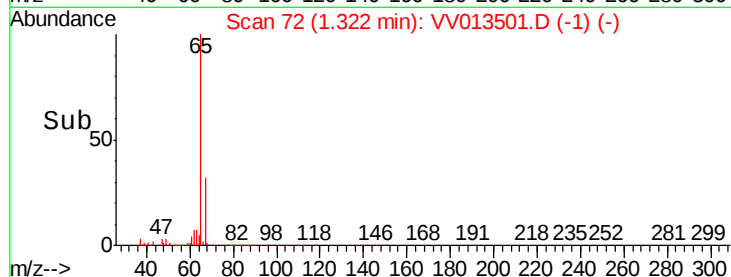
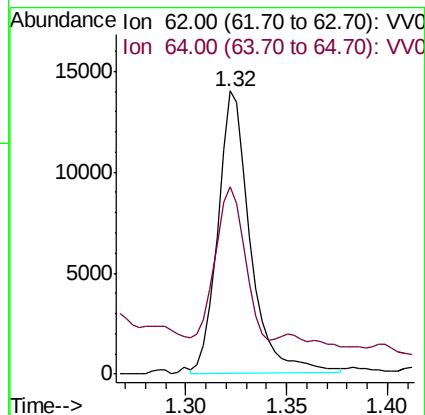
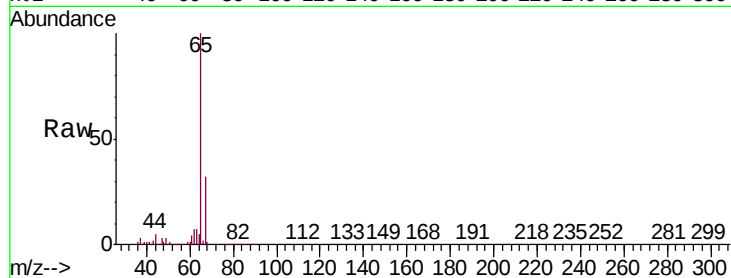
MDL04

Tgt Ion: 62 Resp: 15675

Ion Ratio Lower Upper

62 100

64 66.4 23.1 42.9#



#6

Bromomethane

Concen: 2.450 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013501.D

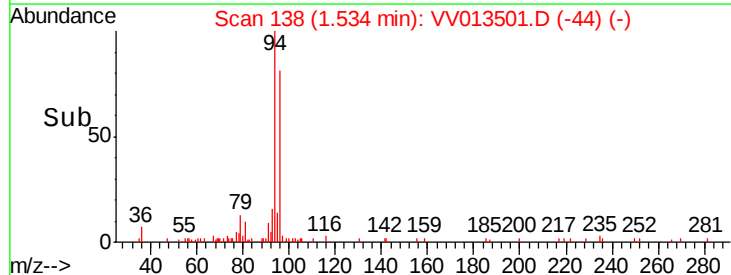
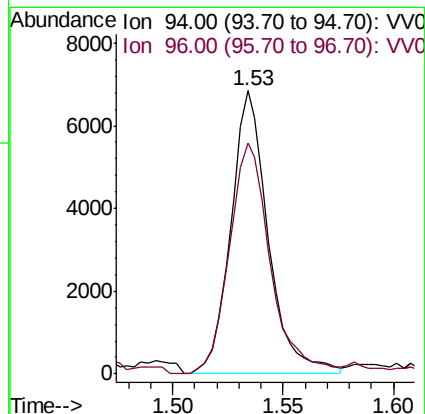
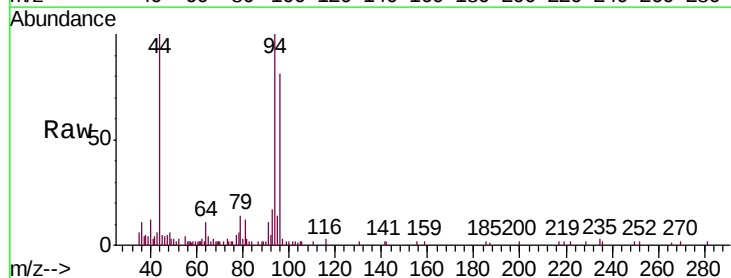
Acq: 06 Nov 2019 16:23

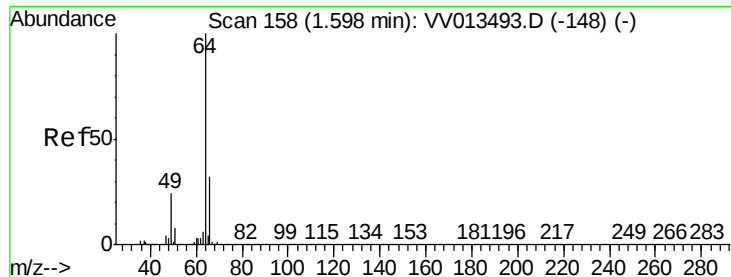
Tgt Ion: 94 Resp: 8103

Ion Ratio Lower Upper

94 100

96 81.5 67.4 125.2





#8

Chloroethane

Concen: 2.419 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

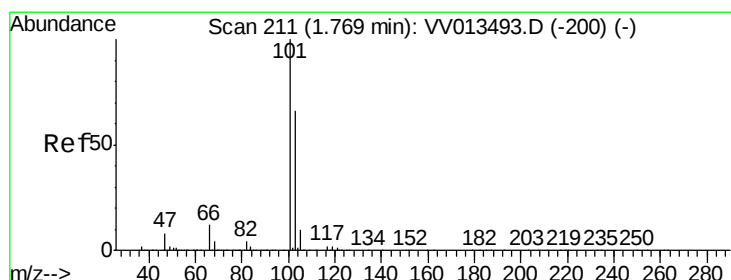
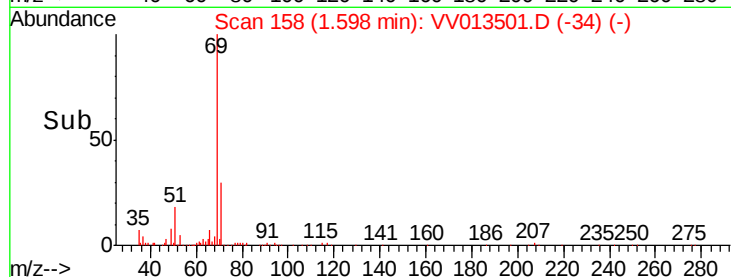
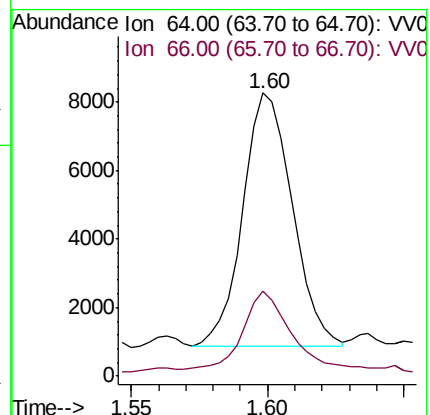
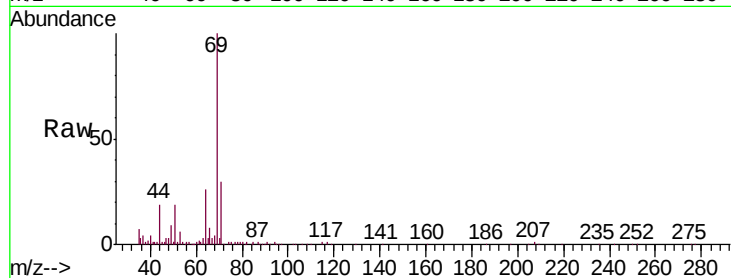
MDL04

Tgt Ion: 64 Resp: 9343

Ion Ratio Lower Upper

64 100

66 30.0 22.5 41.9



#9

Trichlorofluoromethane

Concen: 2.276 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV013501.D

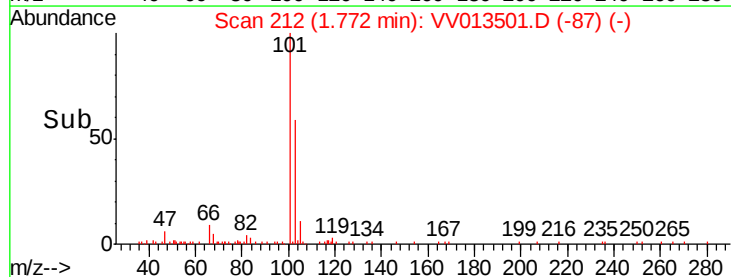
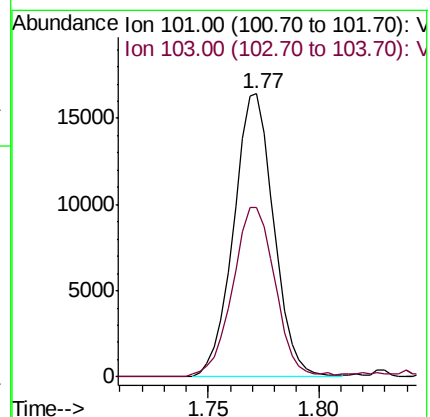
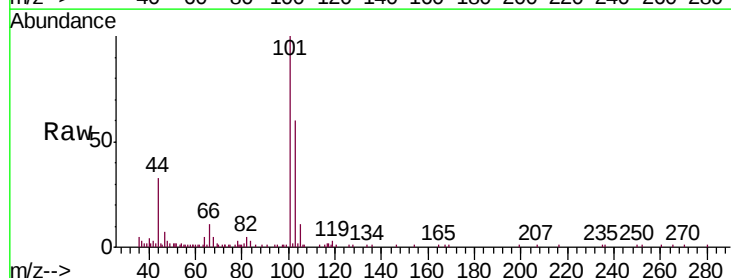
Acq: 06 Nov 2019 16:23

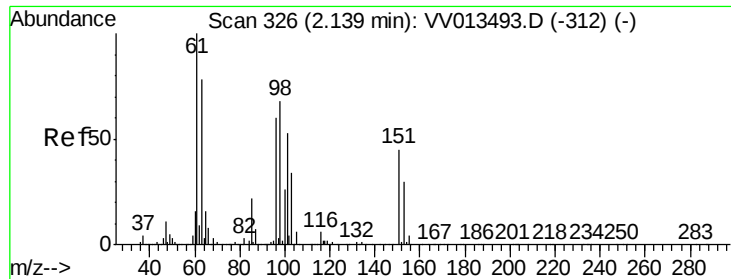
Tgt Ion: 101 Resp: 20826

Ion Ratio Lower Upper

101 100

103 63.0 52.5 78.7





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.765 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

Instrument :

MSVOA_V

ClientSampled :

MDL04

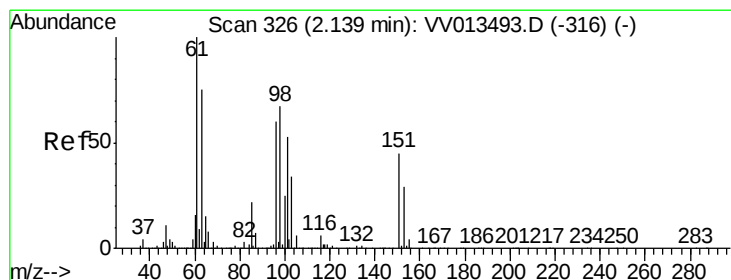
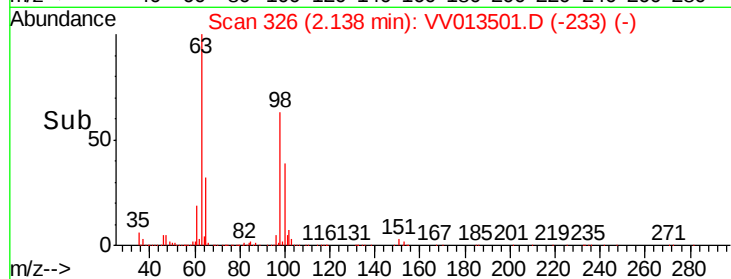
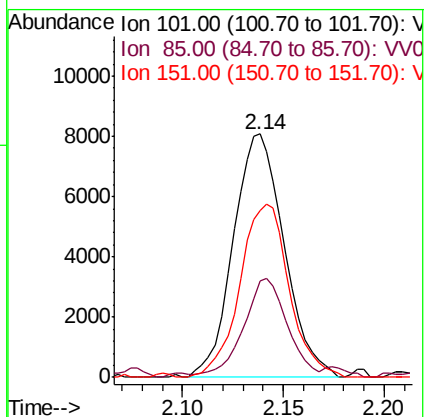
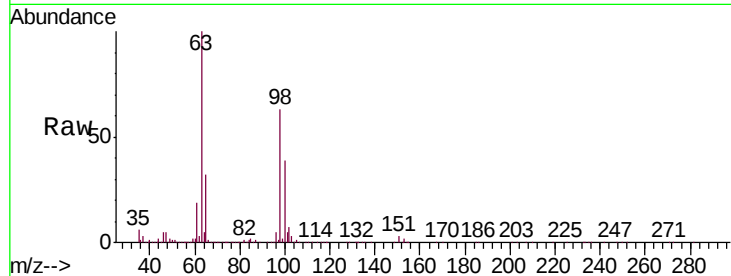
Tgt Ion: 101 Resp: 14248

Ion Ratio Lower Upper

101 100

85 34.9 33.3 49.9

151 69.1 69.5 104.3#



#12

1,1-Dichloroethene

Concen: 2.470 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

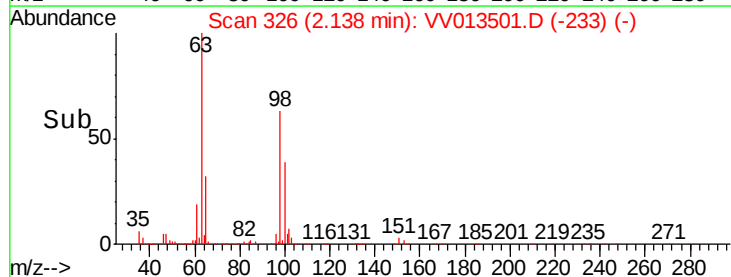
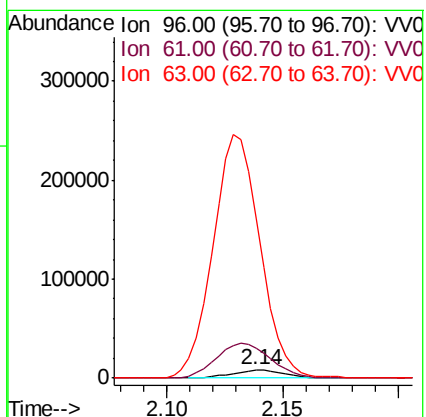
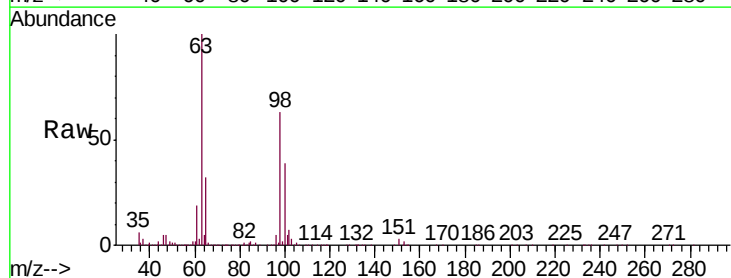
Tgt Ion: 96 Resp: 12151

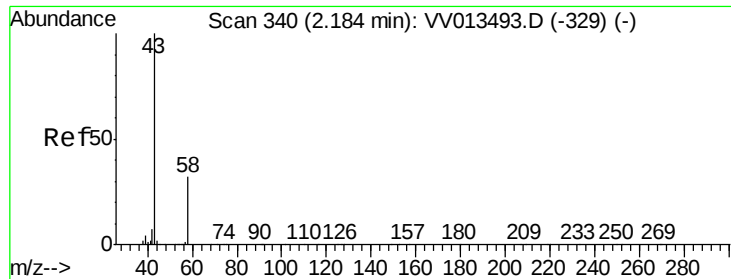
Ion Ratio Lower Upper

96 100

61 369.5 116.9 217.1#

63 1959.1 91.5 169.9#





#13

Acetone

Concen: 4.499 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

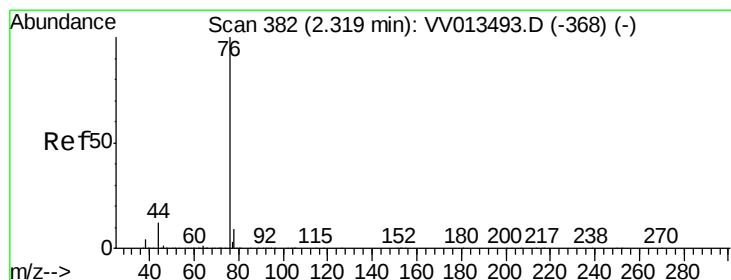
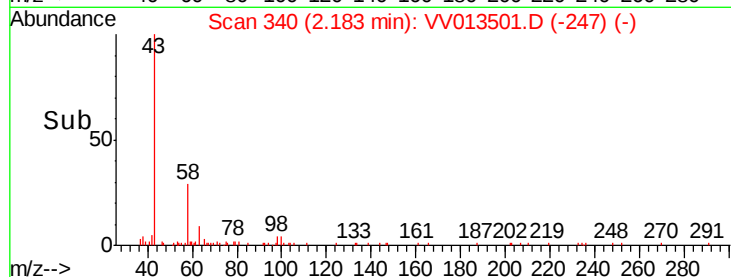
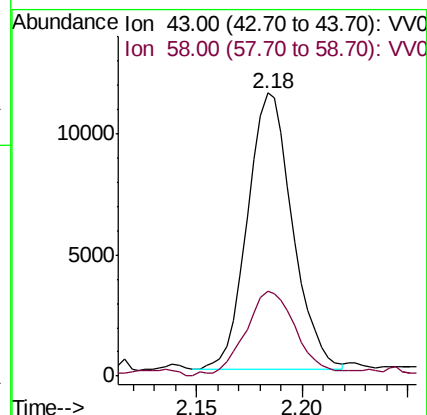
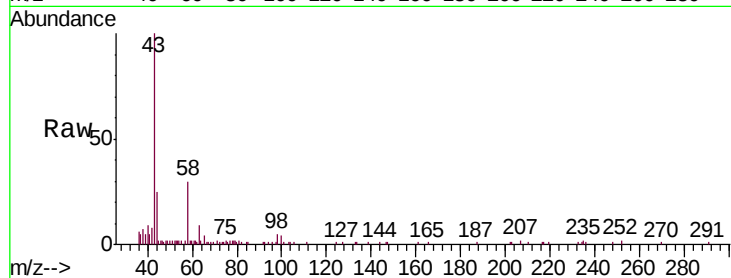
MDL04

Tgt Ion: 43 Resp: 16963

Ion Ratio Lower Upper

43 100

58 34.2 0.0 65.2



#14

Carbon disulfide

Concen: 2.240 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV013501.D

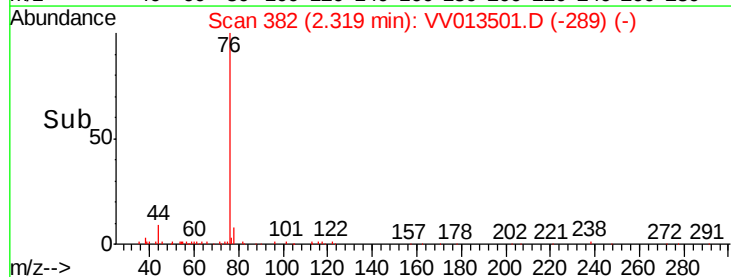
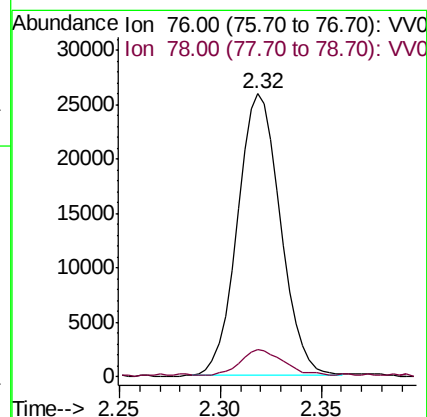
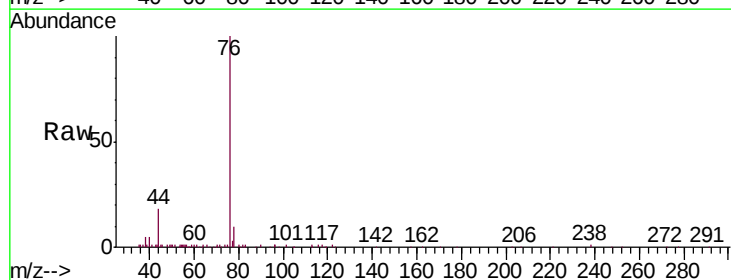
Acq: 06 Nov 2019 16:23

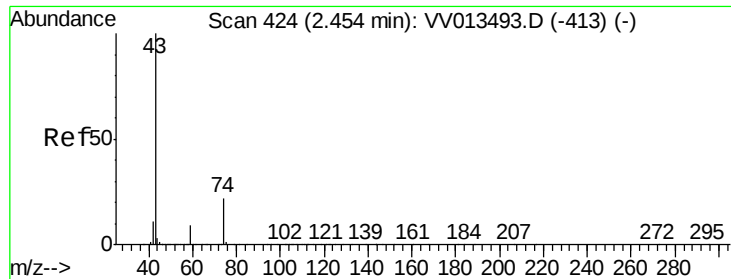
Tgt Ion: 76 Resp: 38563

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9

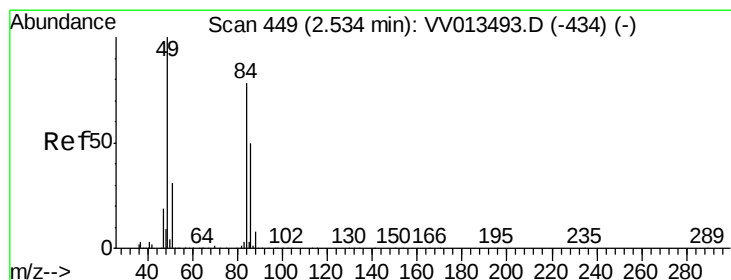
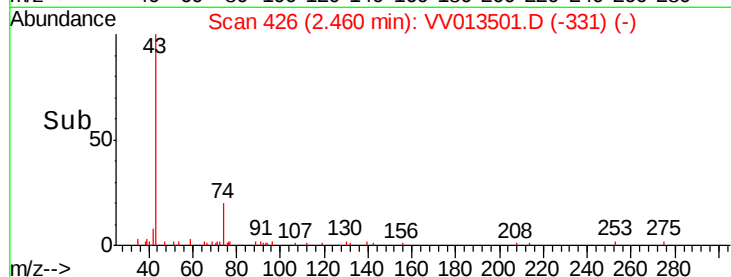
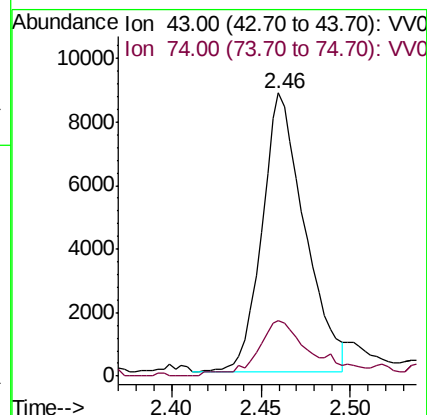
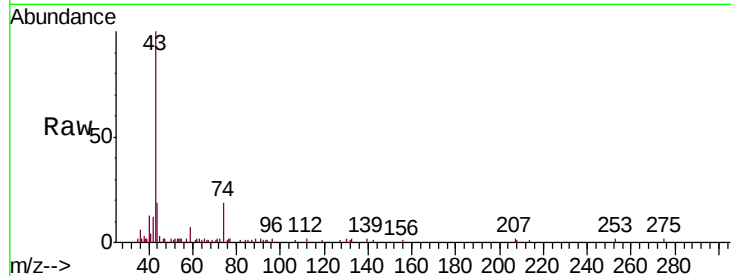




#15
Methyl Acetate
Concen: 2.127 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV013501.D
Acq: 06 Nov 2019 16:23

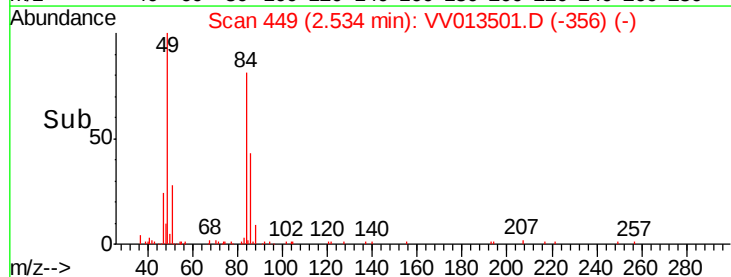
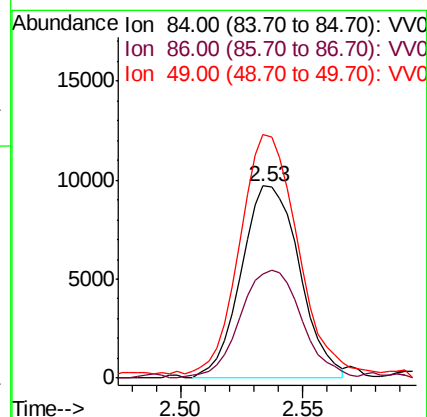
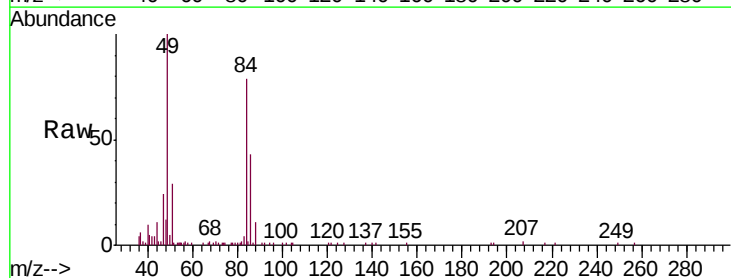
Instrument :
MSVOA_V
ClientSampleId :
MDL04

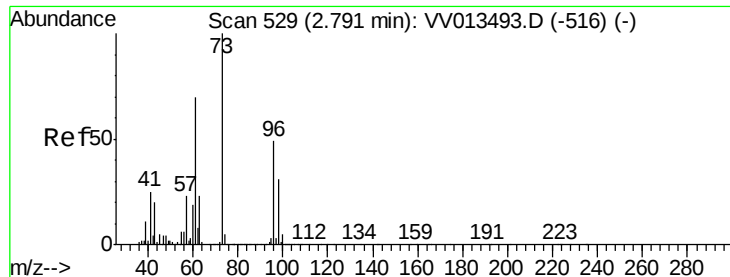
Tgt Ion: 43 Resp: 14630
Ion Ratio Lower Upper
43 100
74 19.3 17.7 26.5



#16
Methylene chloride
Concen: 2.421 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV013501.D
Acq: 06 Nov 2019 16:23

Tgt Ion: 84 Resp: 16120
Ion Ratio Lower Upper
84 100
86 54.4 44.7 83.1
49 126.7 89.2 165.8





#17

trans-1,2-Dichloroethene

Concen: 2.272 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

MDL04

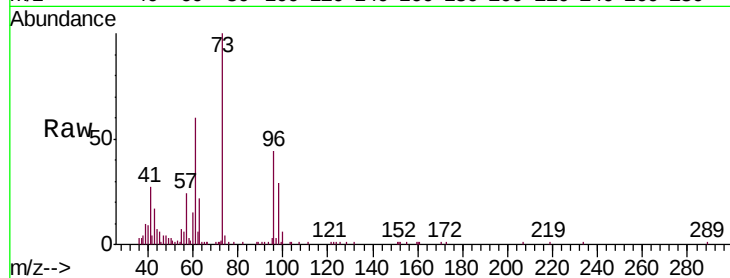
Tgt Ion: 96 Resp: 13915

Ion Ratio Lower Upper

96 100

61 135.5 100.4 186.6

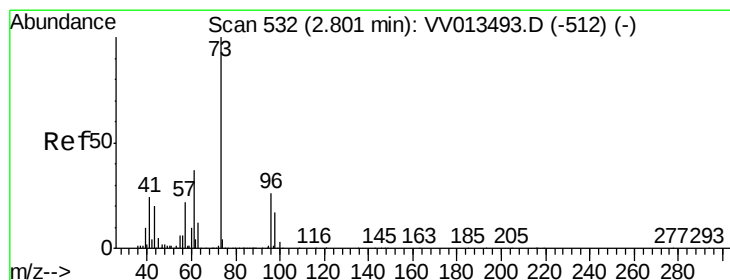
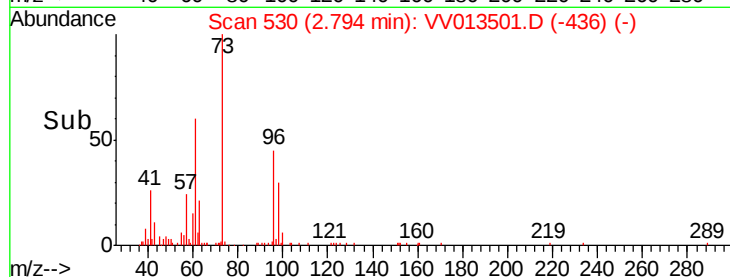
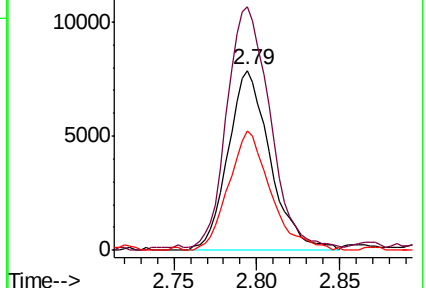
98 66.6 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 2.222 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

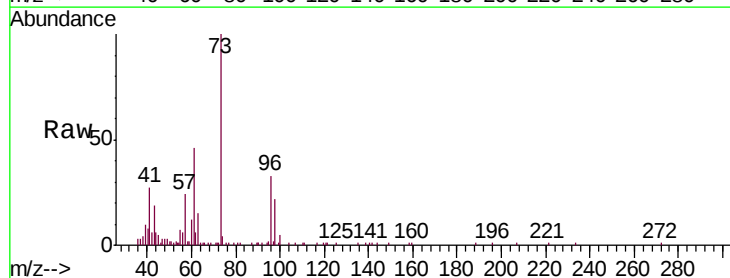
Tgt Ion: 73 Resp: 41511

Ion Ratio Lower Upper

73 100

43 22.1 15.7 23.5

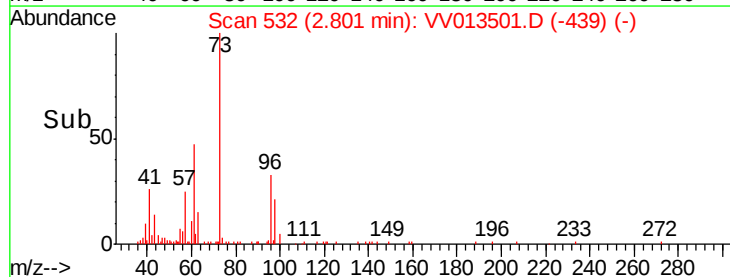
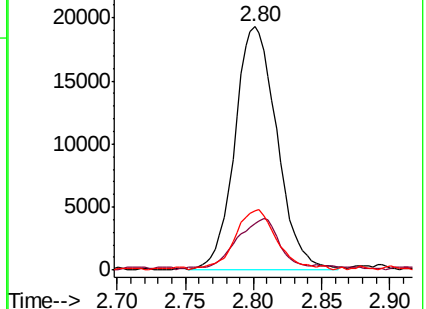
57 24.7 18.1 27.1

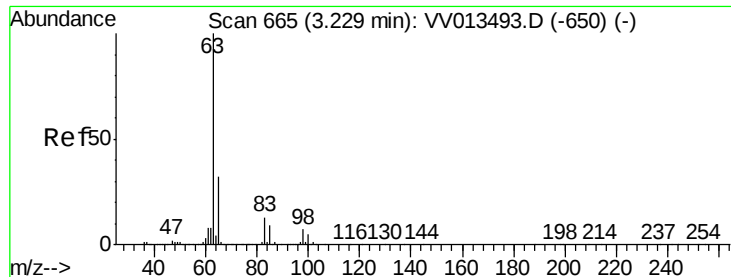


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 2.176 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

MDL04

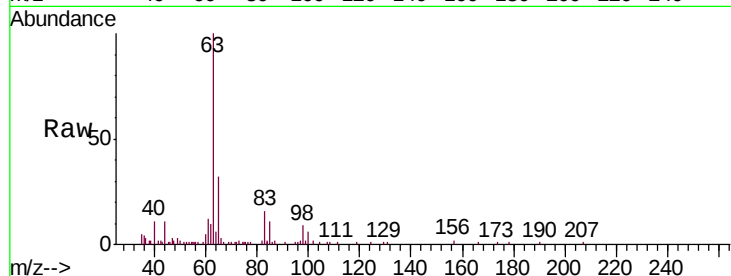
Tgt Ion: 63 Resp: 25423

Ion Ratio Lower Upper

63 100

65 31.9 22.2 41.2

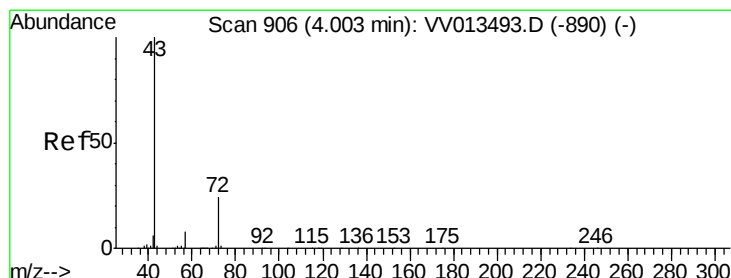
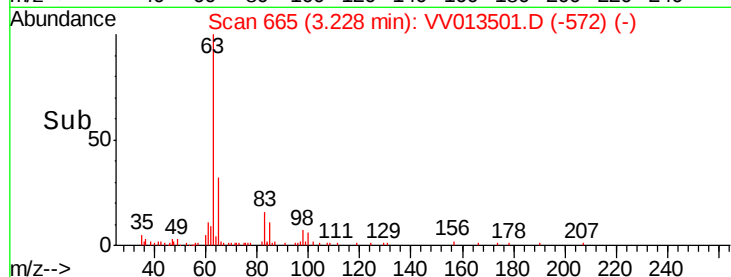
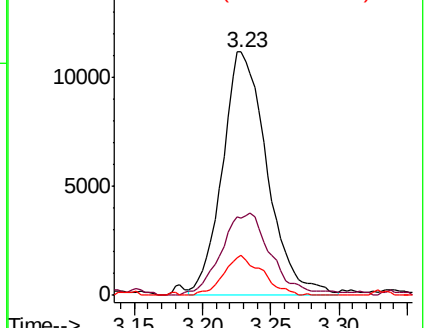
83 16.3 8.9 16.5



Abundance Ion 63.00 (62.70 to 63.70): VV013501.D (-572) (-)

Ion 65.00 (64.70 to 65.70): VV013501.D (-572) (-)

Ion 83.00 (82.70 to 83.70): VV013501.D (-572) (-)



#22

2-Butanone

Concen: 3.175 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.02 min

Lab File: VV013501.D

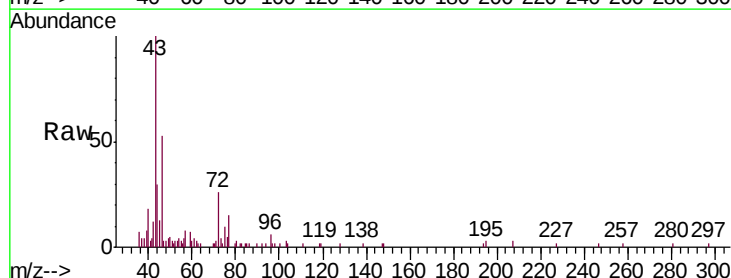
Acq: 06 Nov 2019 16:23

Tgt Ion: 43 Resp: 15857

Ion Ratio Lower Upper

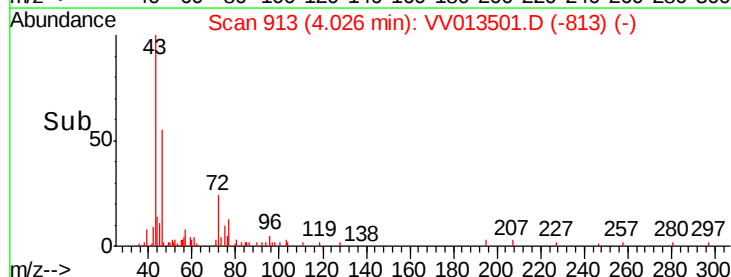
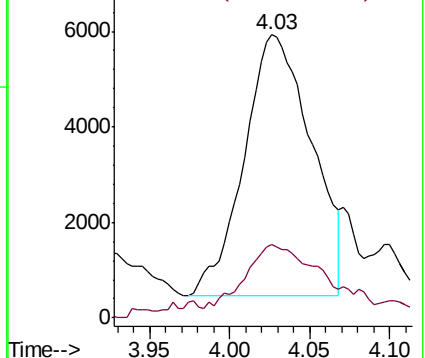
43 100

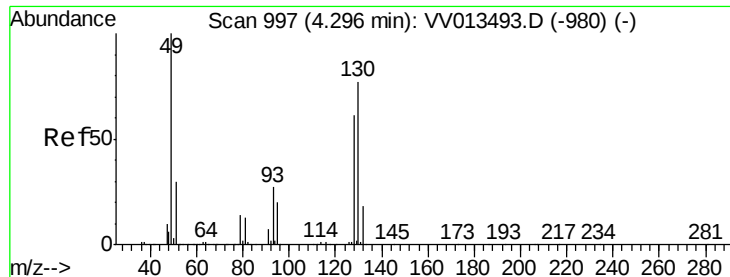
72 15.6 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV013501.D (-813) (-)

Ion 72.00 (71.70 to 72.70): VV013501.D (-813) (-)

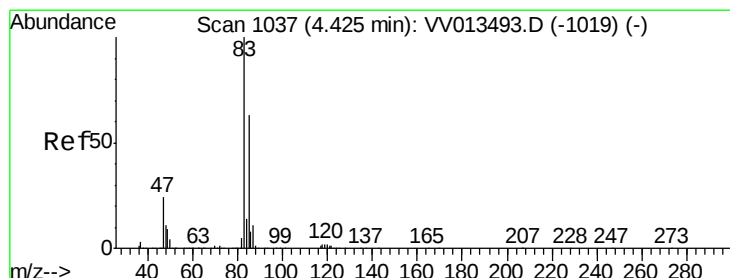
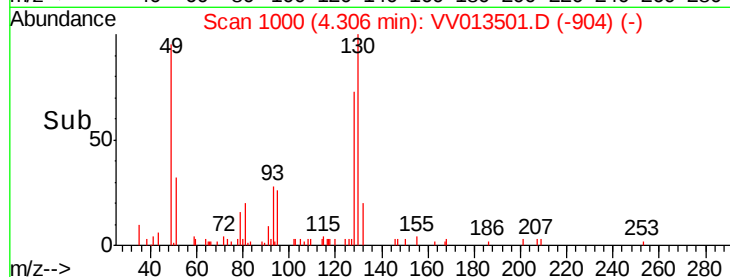
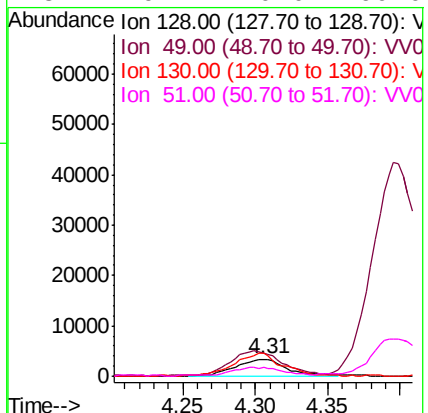
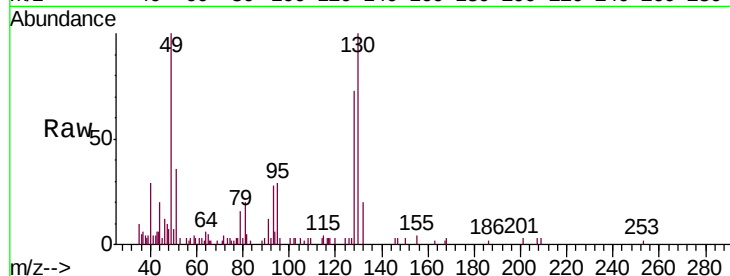




#23
Bromochloromethane
Concen: 2.361 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VV013501.D
Acq: 06 Nov 2019 16:23

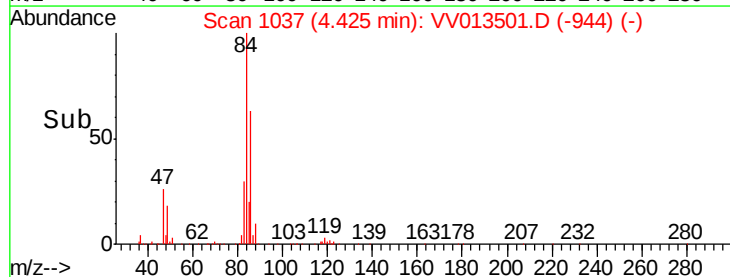
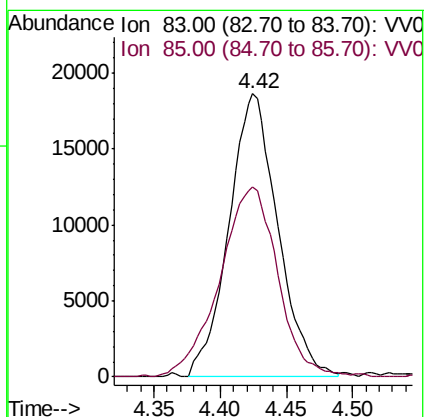
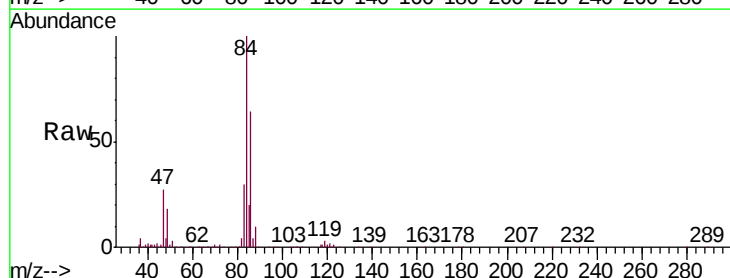
Instrument :
MSVOA_V
ClientSampleId :
MDL04

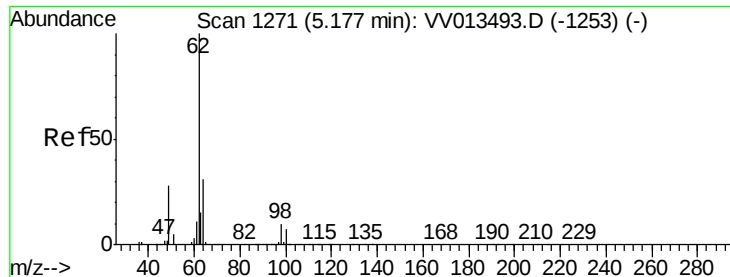
Tgt Ion:128 Resp: 8346
Ion Ratio Lower Upper
128 100
49 136.5 115.8 215.2
130 136.2 89.1 165.5
51 49.2 40.0 60.0



#25
Chloroform
Concen: 3.988 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV013501.D
Acq: 06 Nov 2019 16:23

Tgt Ion: 83 Resp: 47922
Ion Ratio Lower Upper
83 100
85 66.9 44.4 82.5

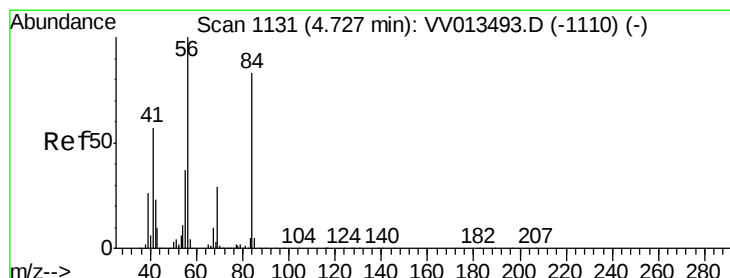
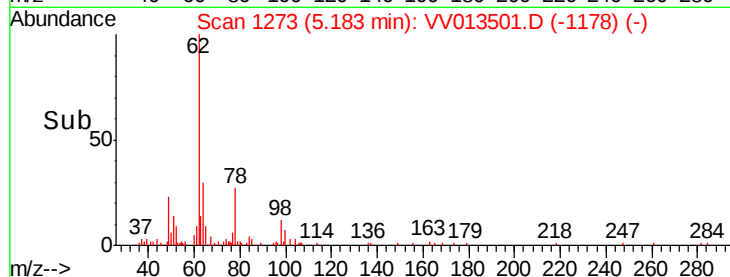
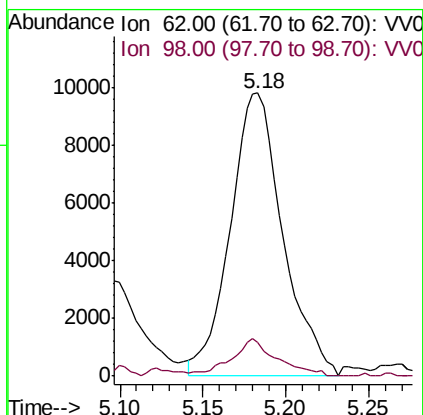
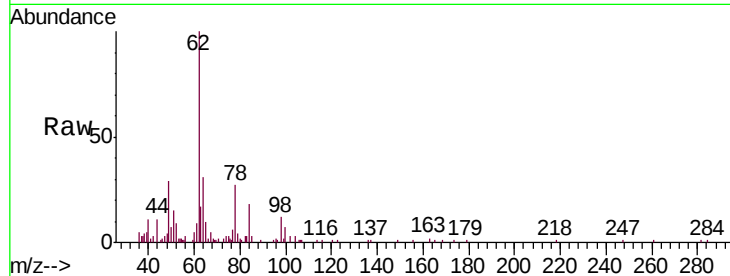




#27
 1,2-Dichloroethane
 Concen: 2.354 ug/L
 RT: 5.18 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VV013501.D
 Acq: 06 Nov 2019 16:23

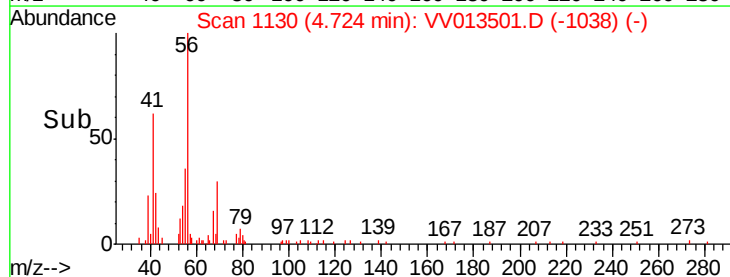
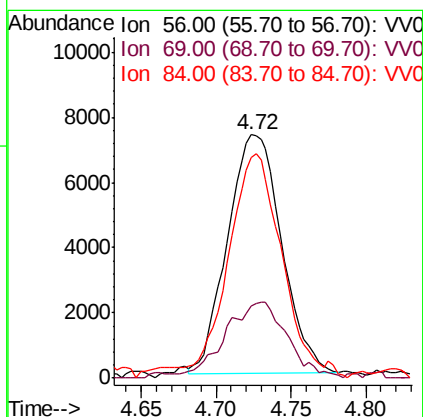
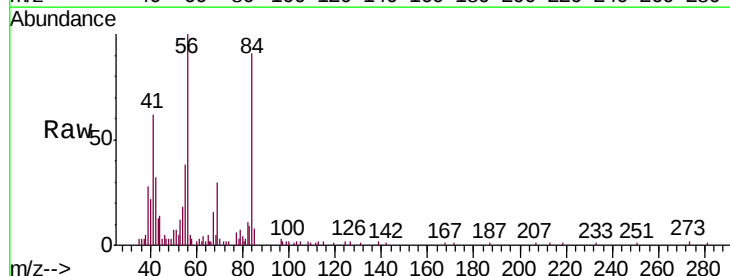
Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

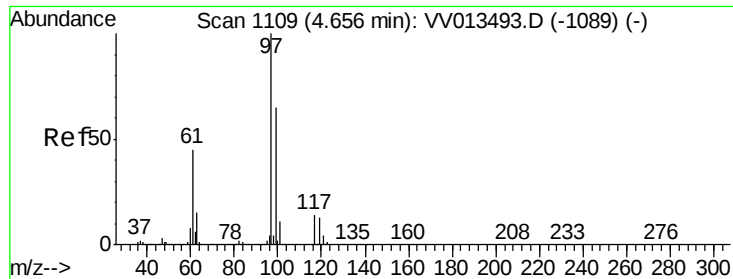
Tgt Ion: 62 Resp: 21676
 Ion Ratio Lower Upper
 62 100
 98 11.9 8.2 12.4



#29
 Cyclohexane
 Concen: 1.805 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV013501.D
 Acq: 06 Nov 2019 16:23

Tgt Ion: 56 Resp: 18421
 Ion Ratio Lower Upper
 56 100
 69 18.0 23.7 35.5#
 84 87.1 66.3 99.5

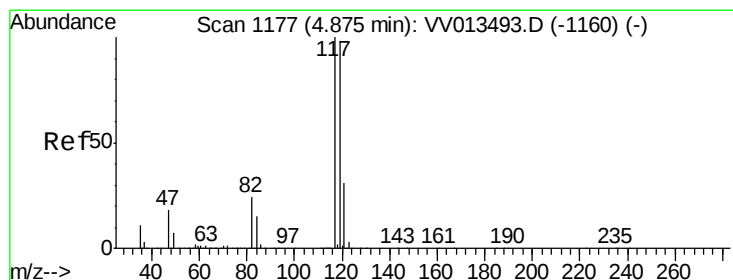
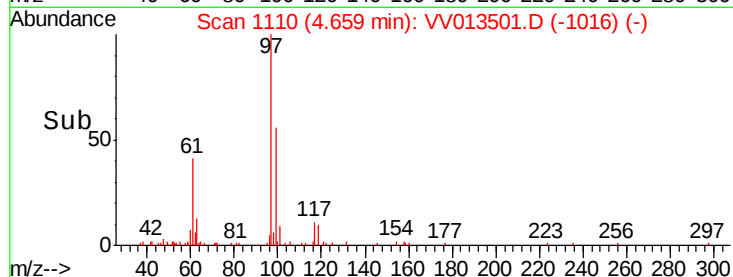
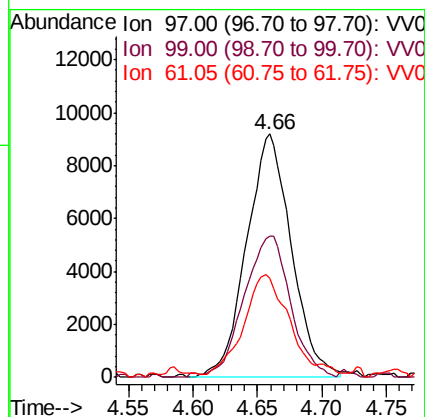
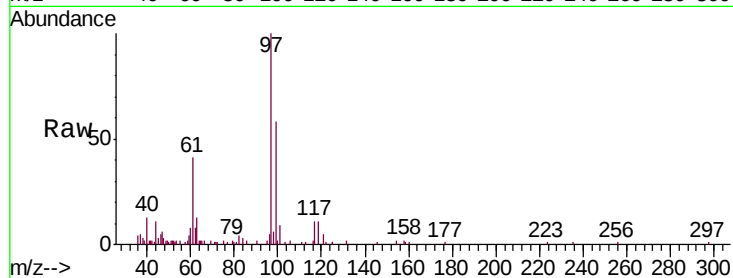




#30
 1,1,1-Trichloroethane
 Concen: 2.248 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV013501.D
 Acq: 06 Nov 2019 16:23

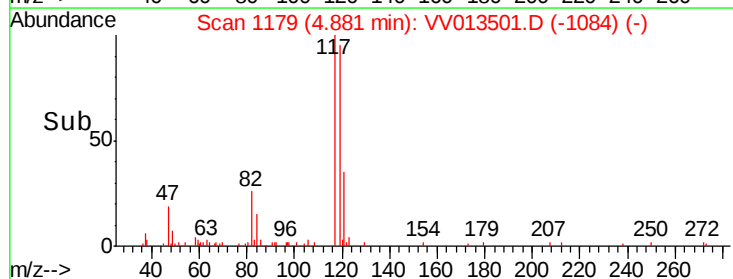
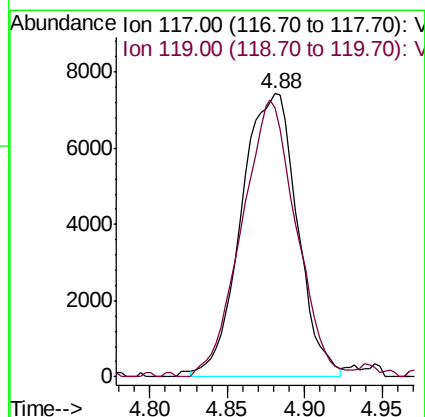
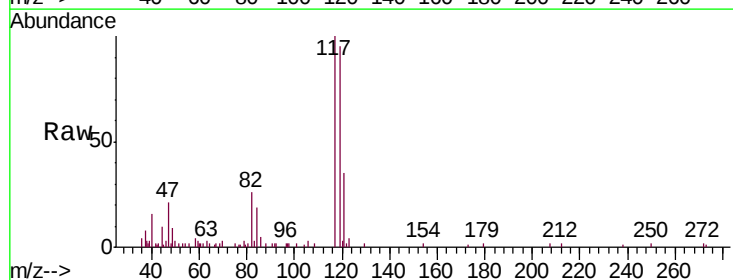
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

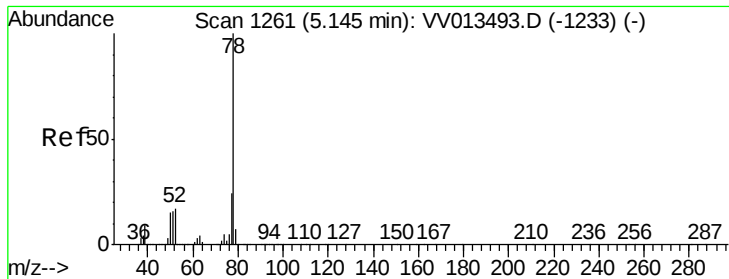
Tgt Ion: 97 Resp: 22229
 Ion Ratio Lower Upper
 97 100
 99 60.4 52.0 78.0
 61 39.9 35.8 53.8



#31
 Carbon tetrachloride
 Concen: 2.115 ug/L
 RT: 4.88 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VV013501.D
 Acq: 06 Nov 2019 16:23

Tgt Ion: 117 Resp: 18649
 Ion Ratio Lower Upper
 117 100
 119 95.4 77.6 116.4





#33

Benzene

Concen: 2.250 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

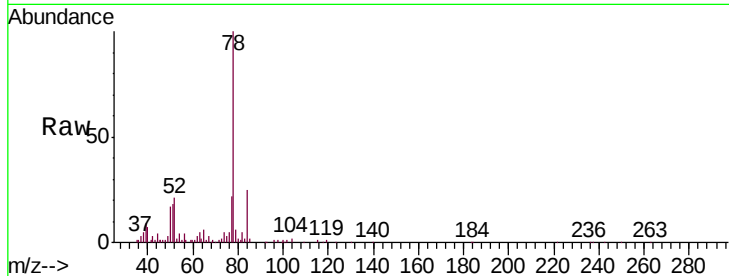
Instrument :

MSVOA_V

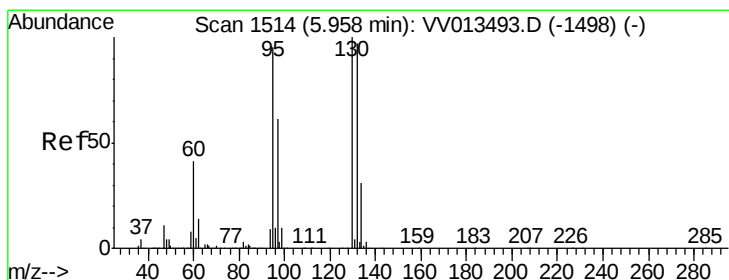
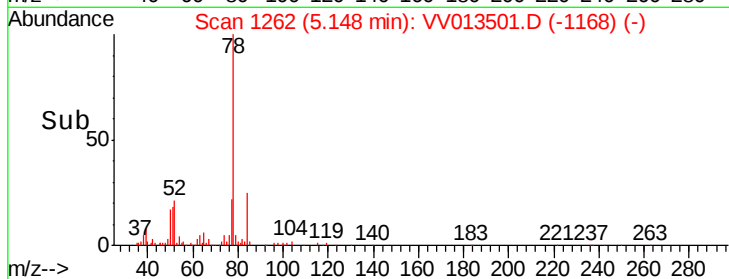
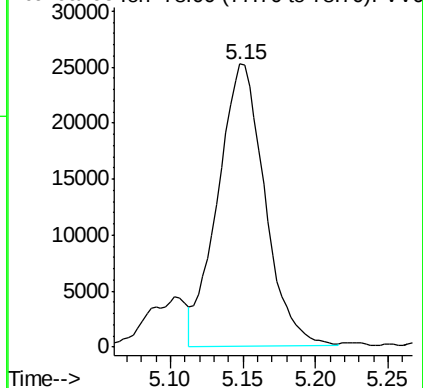
ClientSampleId :

MDL04

Tgt Ion: 78 Resp: 56758



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 2.308 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

Tgt Ion: 95 Resp: 15469

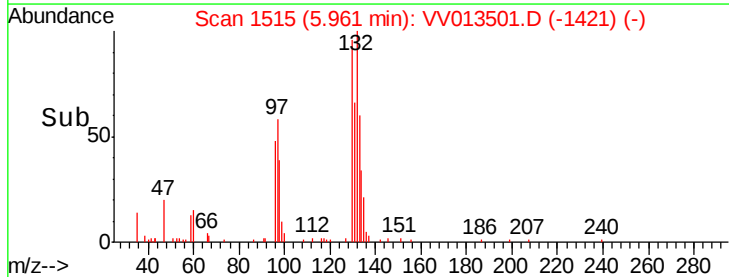
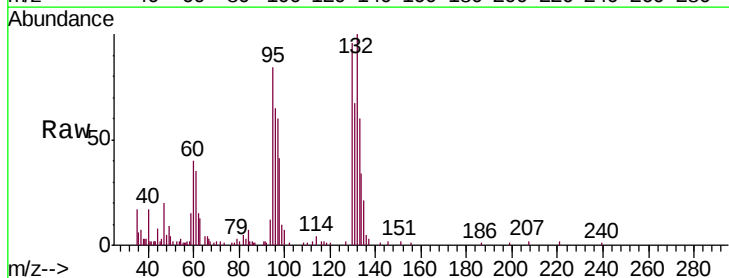
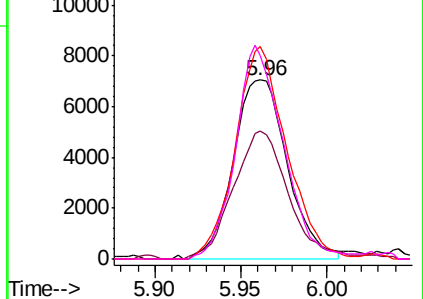
Ion	Ratio	Lower	Upper
95	100		
97	71.6	45.1	83.7
132	118.8	71.7	133.1
130	113.9	73.8	137.2

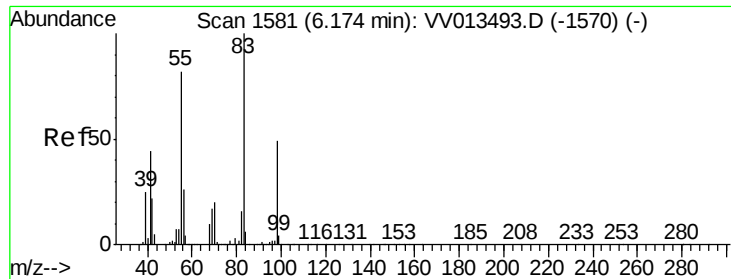
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#35

Methylcyclohexane

Concen: 1.901 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

MDL04

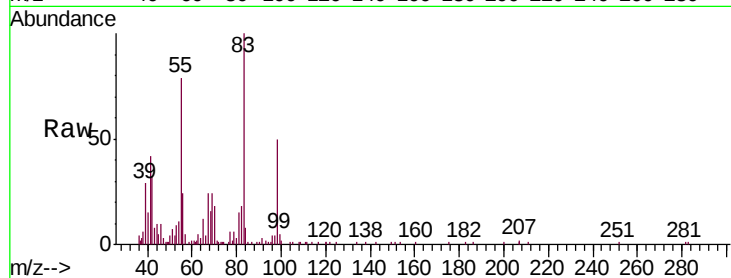
Tgt Ion: 83 Resp: 19638

Ion Ratio Lower Upper

83 100

55 79.5 63.4 95.0

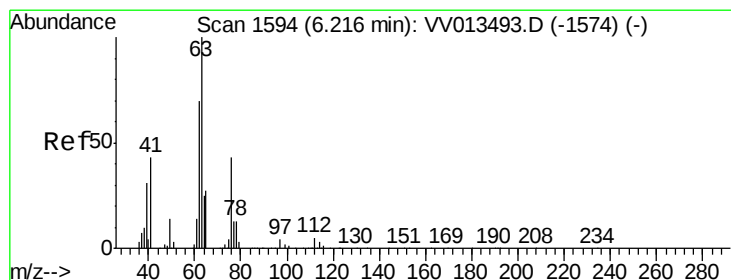
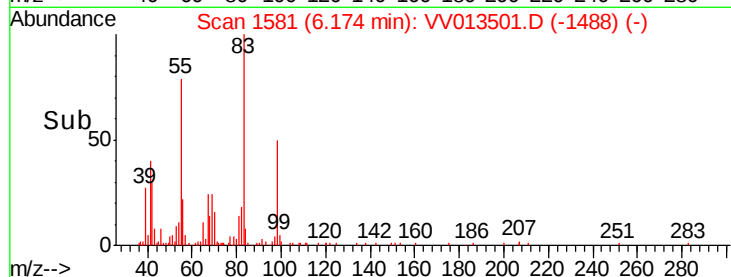
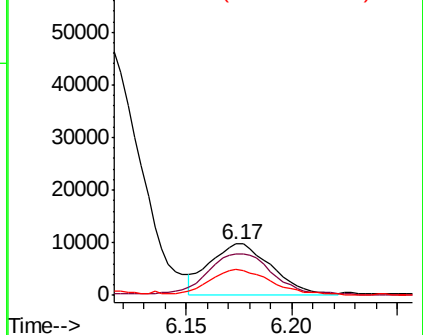
98 51.3 38.6 58.0



Abundance Ion 83.00 (82.70 to 83.70): VV013501.D (-1488) (-)

Ion 55.00 (54.70 to 55.70): VV013501.D (-1488) (-)

Ion 98.00 (97.70 to 98.70): VV013501.D (-1488) (-)



#37

1,2-Dichloropropane

Concen: 1.952 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV013501.D

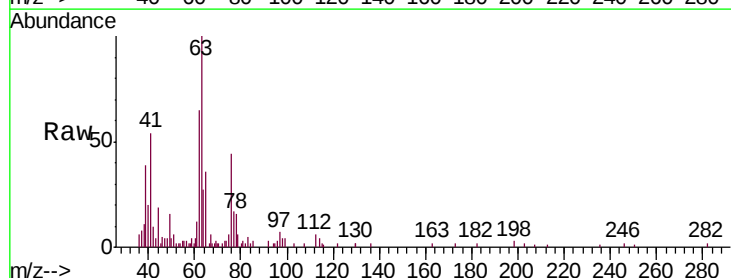
Acq: 06 Nov 2019 16:23

Tgt Ion: 63 Resp: 12957

Ion Ratio Lower Upper

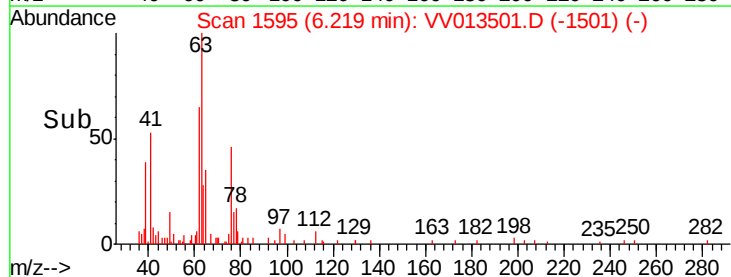
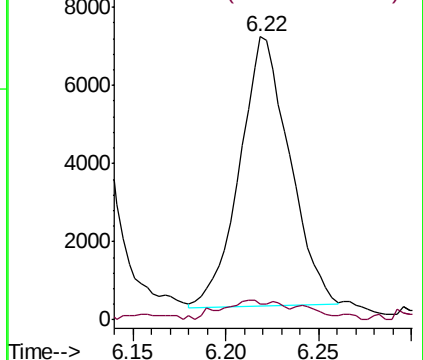
63 100

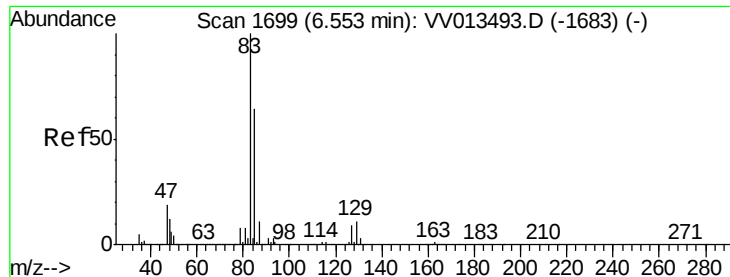
112 4.9 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VV013501.D (-1501) (-)

Ion 112.00 (111.70 to 112.70): VV013501.D (-1501) (-)





#38

Bromodichloromethane

Concen: 2.142 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

MDL04

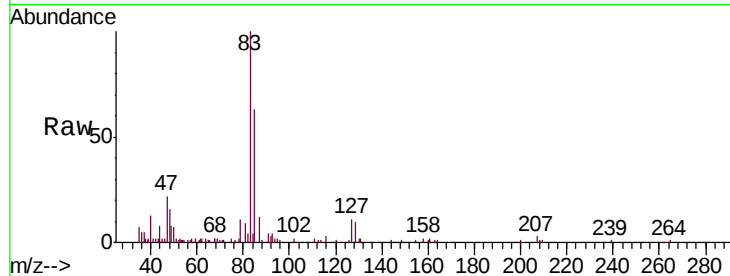
Tgt Ion: 83 Resp: 18705

Ion Ratio Lower Upper

83 100

85 63.1 44.8 83.2

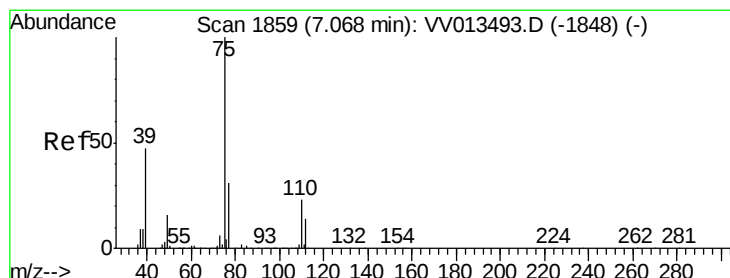
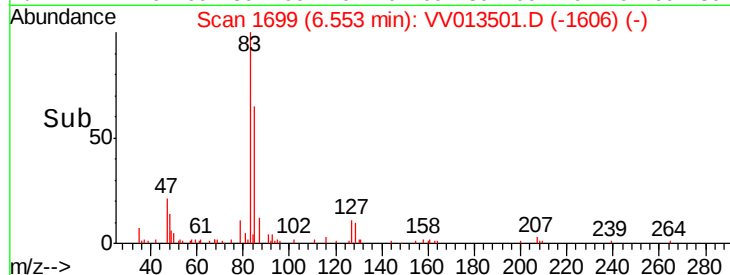
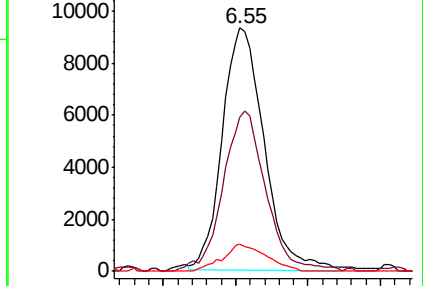
127 11.2 7.1 10.7#



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 2.101 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV013501.D

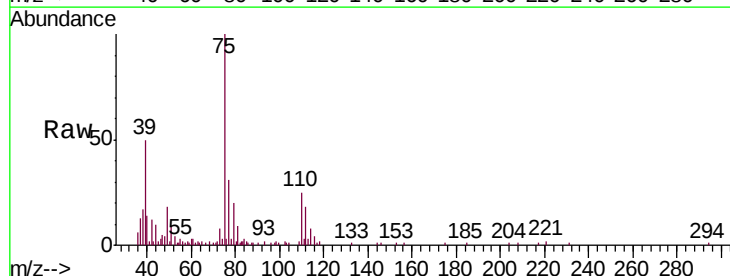
Acq: 06 Nov 2019 16:23

Tgt Ion: 75 Resp: 21190

Ion Ratio Lower Upper

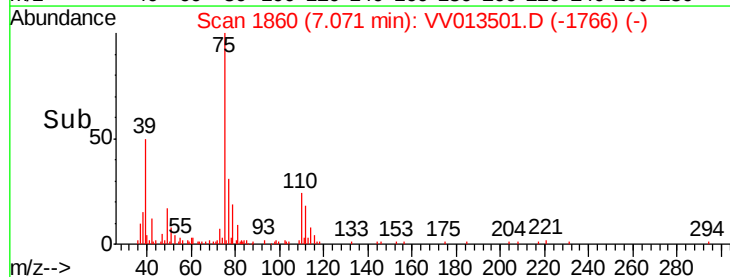
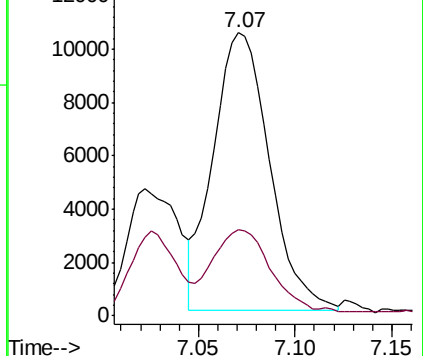
75 100

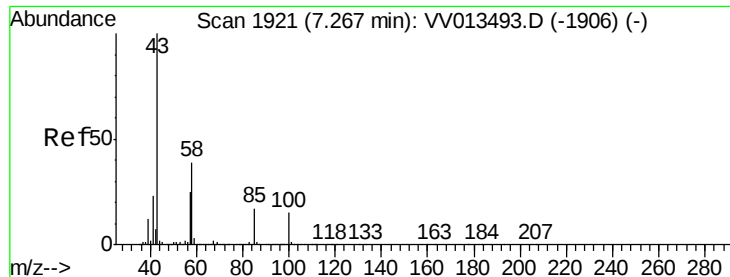
77 30.5 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

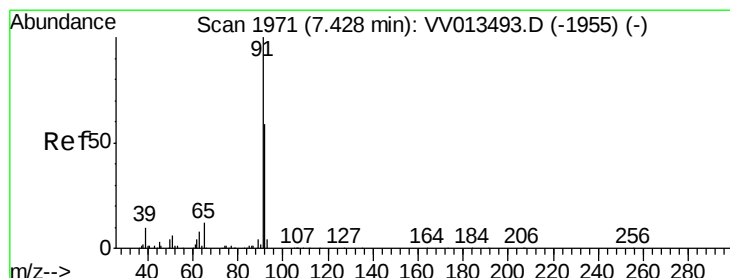
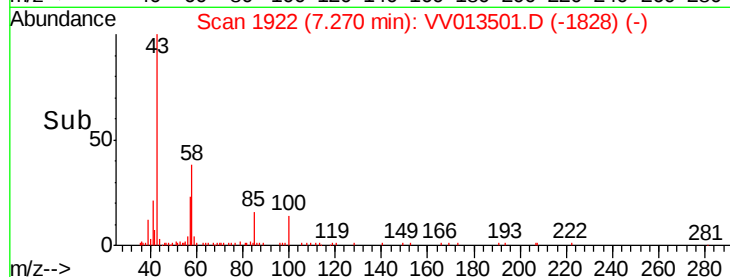
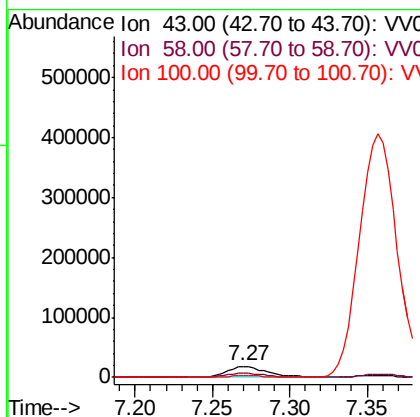
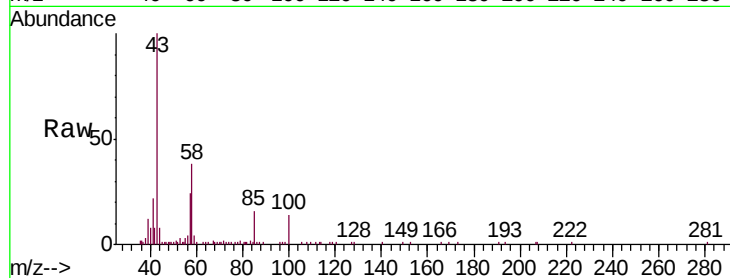




#40
 4-Methyl-2-pentanone
 Concen: 3.895 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV013501.D
 Acq: 06 Nov 2019 16:23

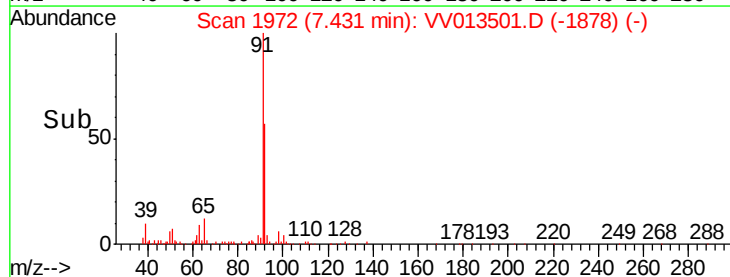
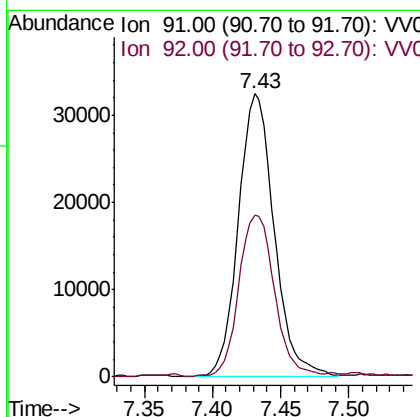
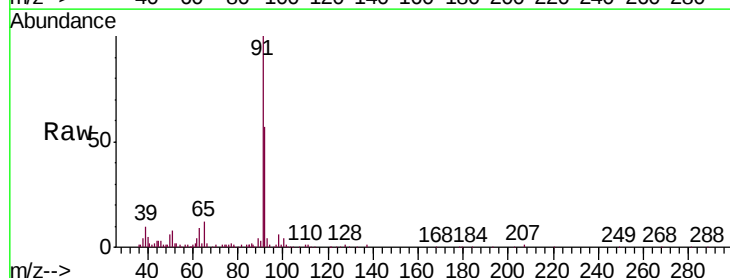
Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

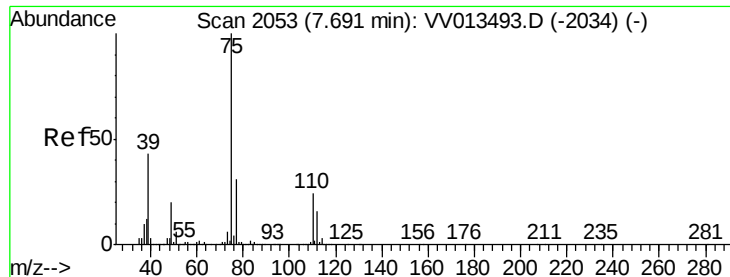
Tgt Ion: 43 Resp: 33332
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.0 46.4
 100 12.9 12.2 18.2



#42
 Toluene
 Concen: 2.261 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV013501.D
 Acq: 06 Nov 2019 16:23

Tgt Ion: 91 Resp: 59440
 Ion Ratio Lower Upper
 91 100
 92 57.0 41.3 76.7





#44

trans-1,3-Dichloropropene

Concen: 2.088 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

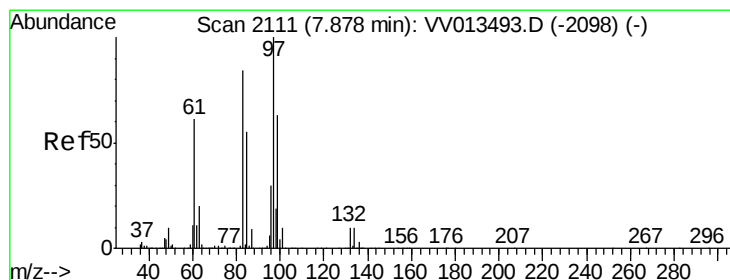
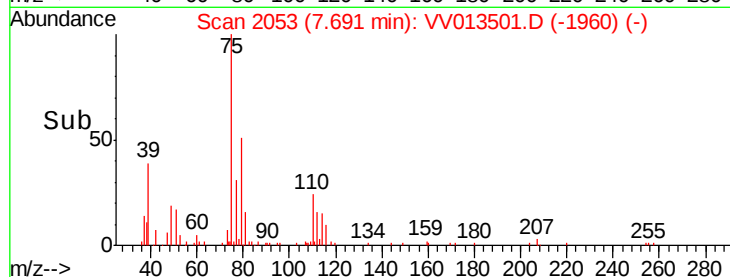
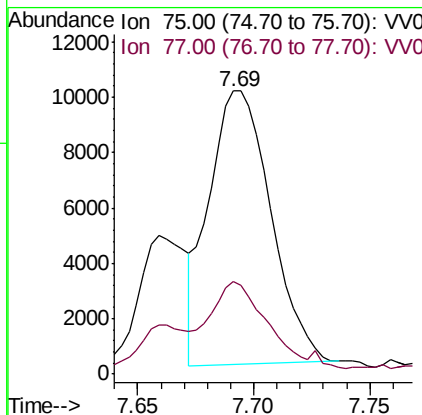
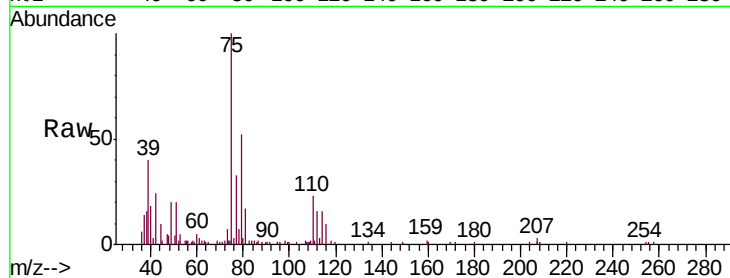
MDL04

Tgt Ion: 75 Resp: 18324

Ion Ratio Lower Upper

75 100

77 32.8 22.0 41.0



#45

1,1,2-Trichloroethane

Concen: 2.353 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

Tgt Ion: 97 Resp: 14627

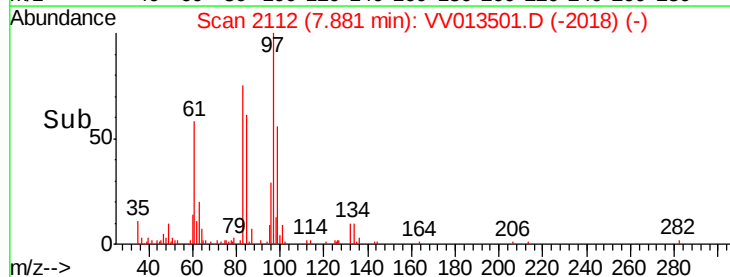
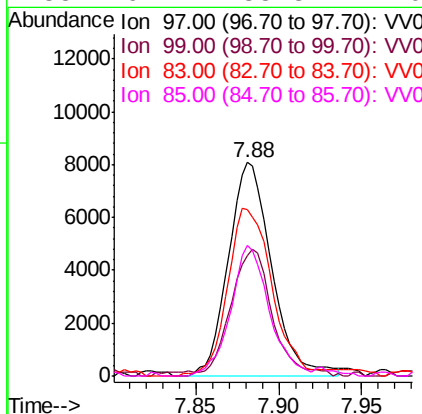
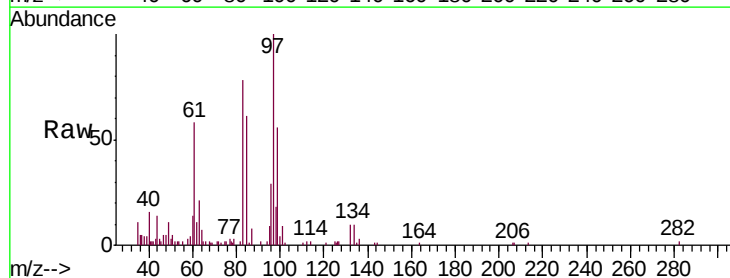
Ion Ratio Lower Upper

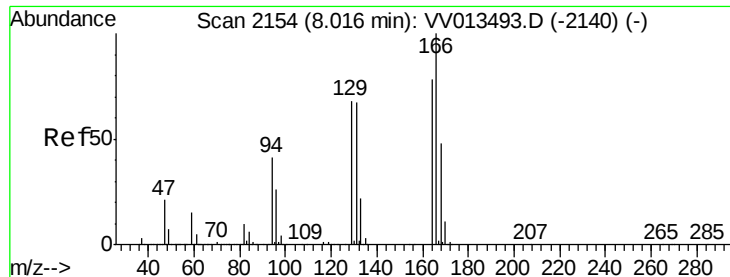
97 100

99 56.3 43.8 81.4

83 77.9 59.1 109.9

85 61.2 38.8 72.0





#46

Tetrachloroethene

Concen: 2.203 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tgt Ion:164 Resp: 12602

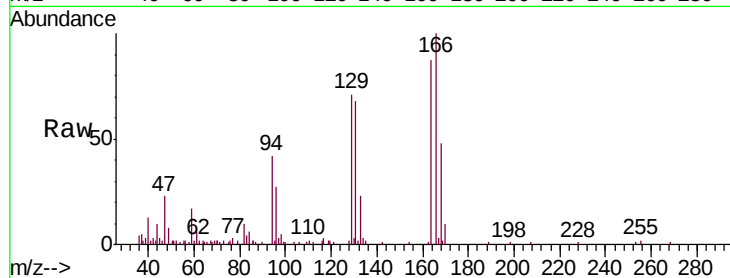
Ion Ratio Lower Upper

164 100

129 80.8 61.5 114.3

131 77.7 60.6 112.6

166 114.4 90.2 167.6

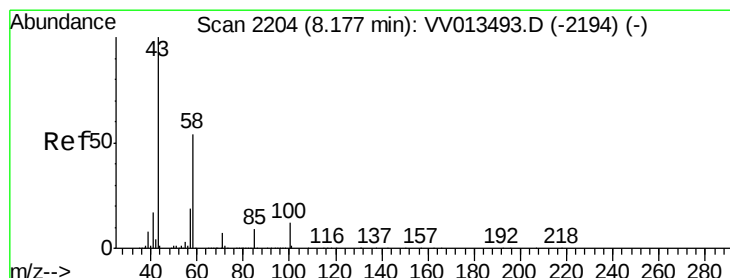
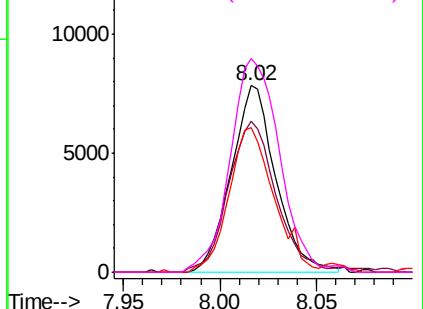
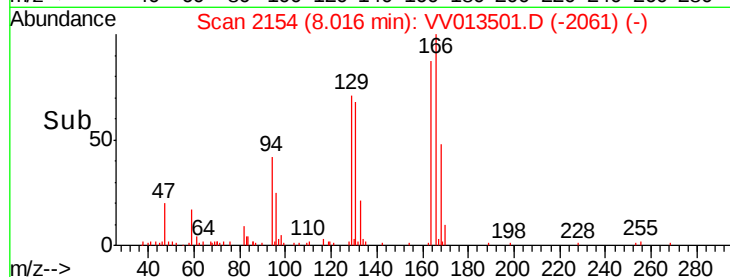


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 7.468 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

Tgt Ion: 43 Resp: 50474

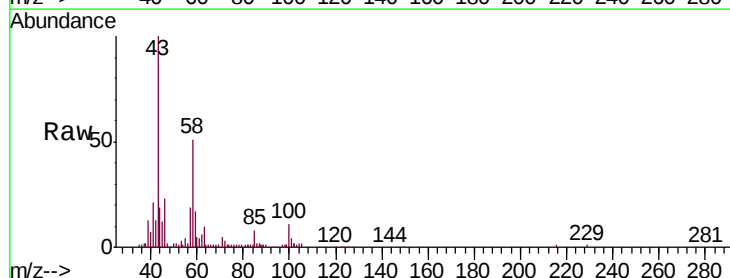
Ion Ratio Lower Upper

43 100

58 51.7 43.4 65.0

57 17.9 15.2 22.8

100 11.7 9.9 14.9

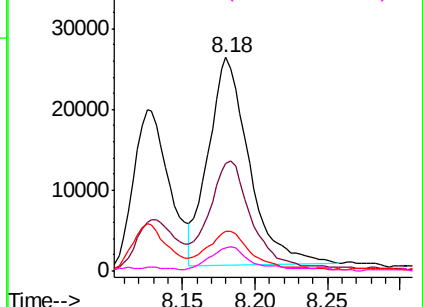
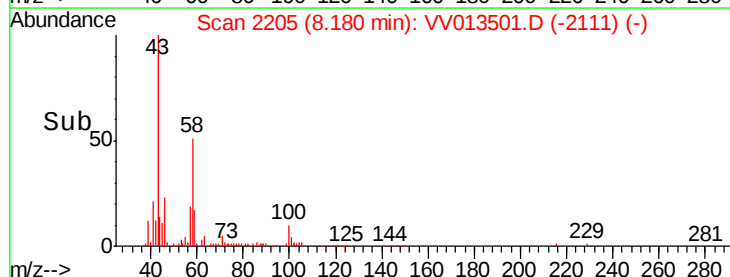


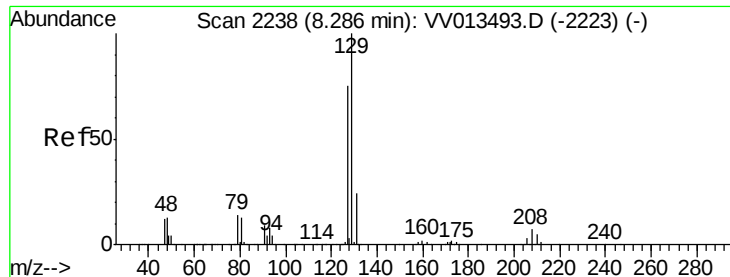
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 2.016 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

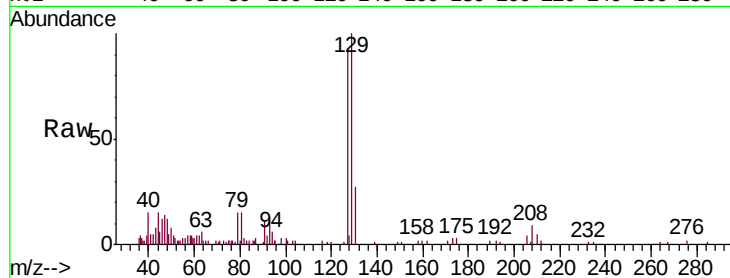
MDL04

Tgt Ion:129 Resp: 14409

Ion Ratio Lower Upper

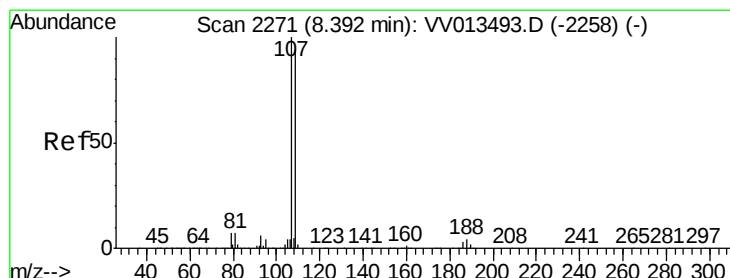
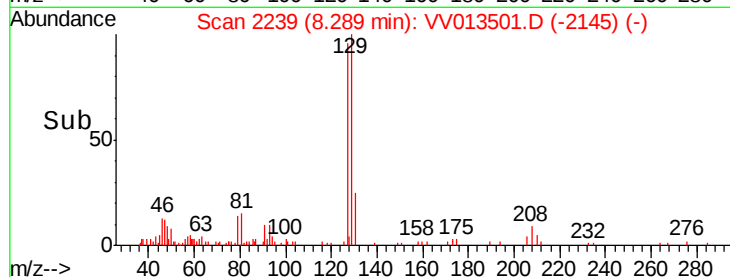
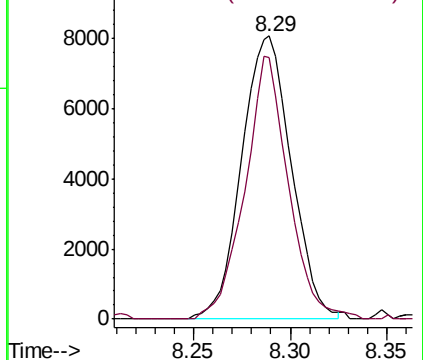
129 100

127 92.6 52.5 97.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.175 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

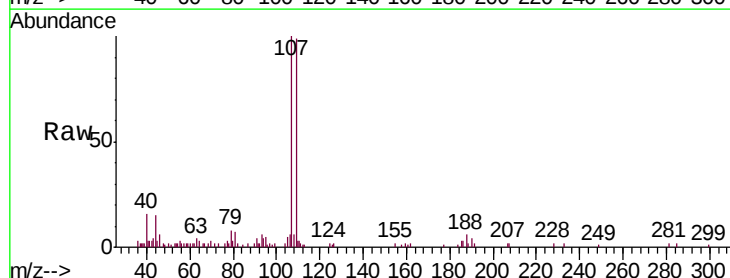
Tgt Ion:107 Resp: 14189

Ion Ratio Lower Upper

107 100

109 99.1 65.7 122.1

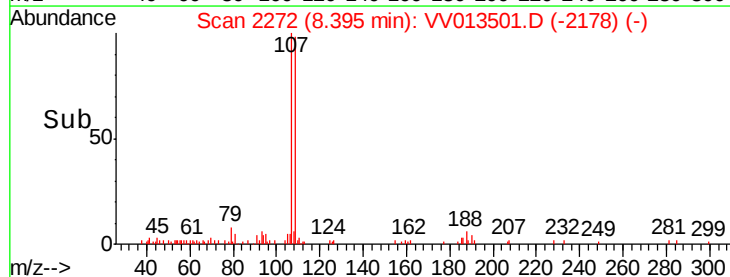
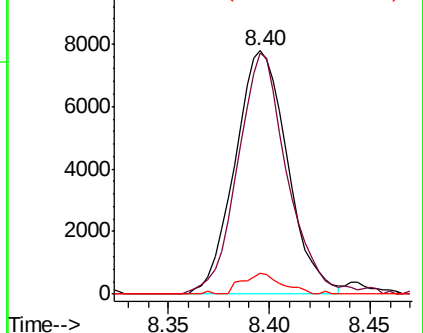
188 8.5 3.5 5.3#

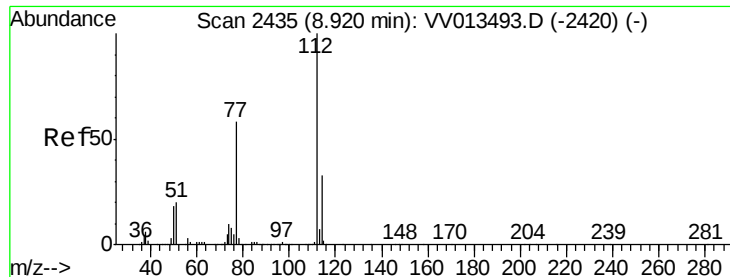


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 2.274 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

MDL04

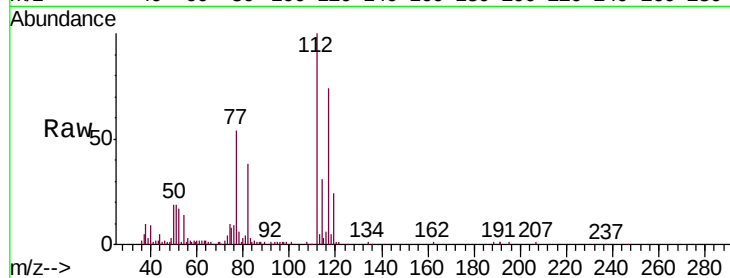
Tgt Ion: 112 Resp: 39723

Ion Ratio Lower Upper

112 100

114 30.6 22.8 42.4

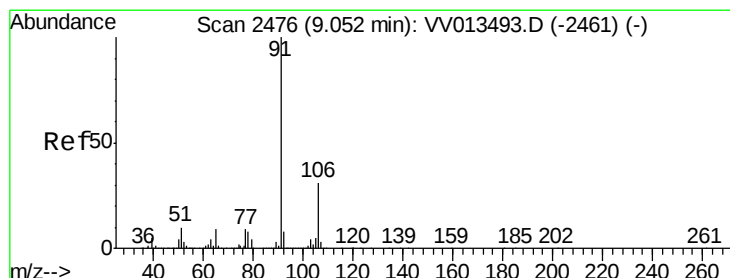
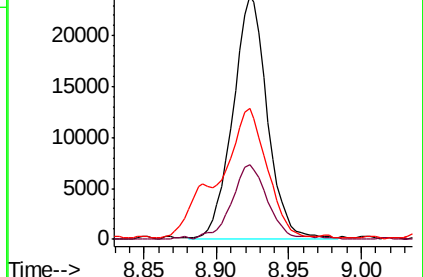
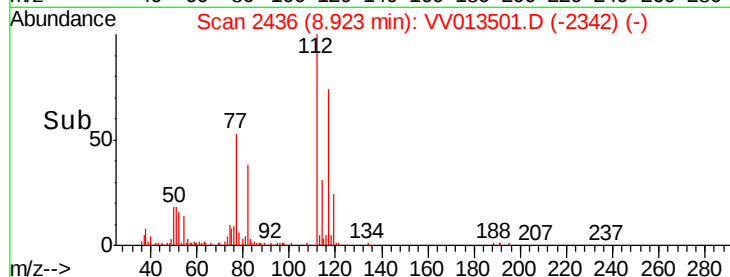
77 53.9 46.7 70.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 2.003 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013501.D

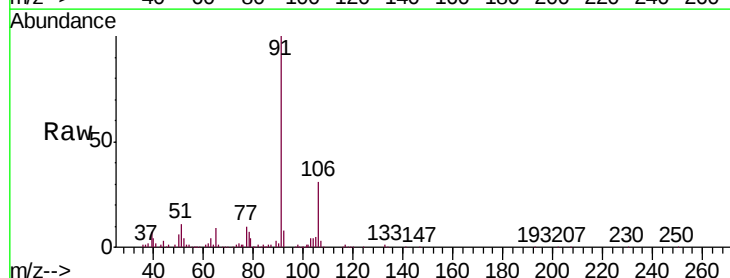
Acq: 06 Nov 2019 16:23

Tgt Ion: 91 Resp: 57124

Ion Ratio Lower Upper

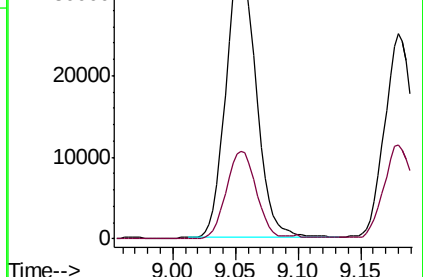
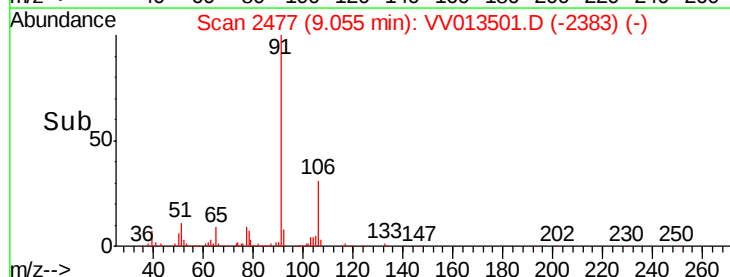
91 100

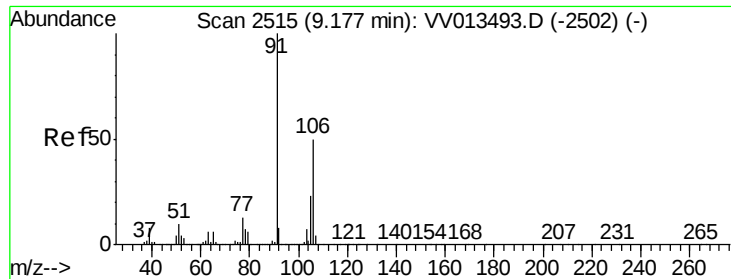
106 31.0 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 1.811 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

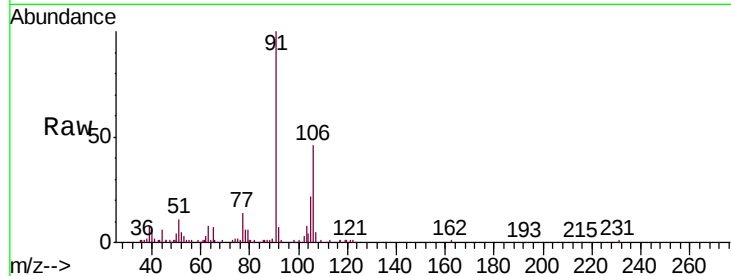
MDL04

Tgt Ion:106 Resp: 19606

Ion Ratio Lower Upper

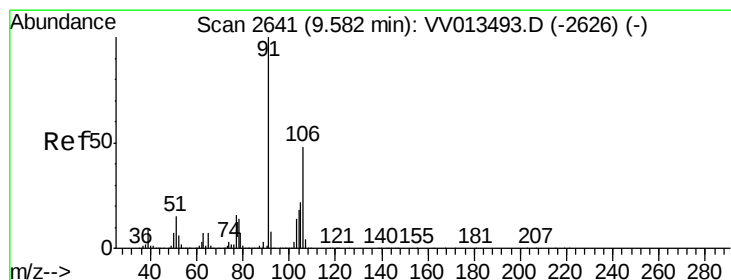
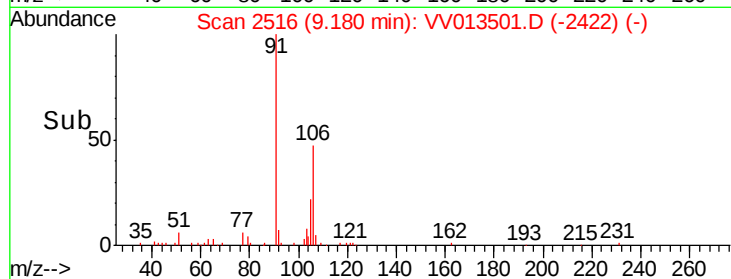
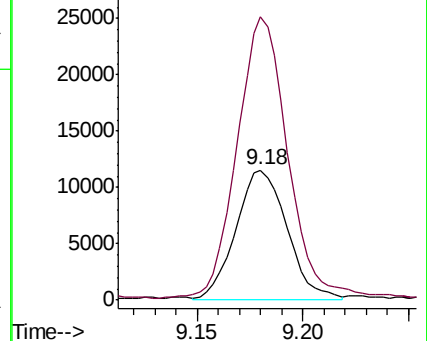
106 100

91 217.8 141.6 263.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 1.968 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013501.D

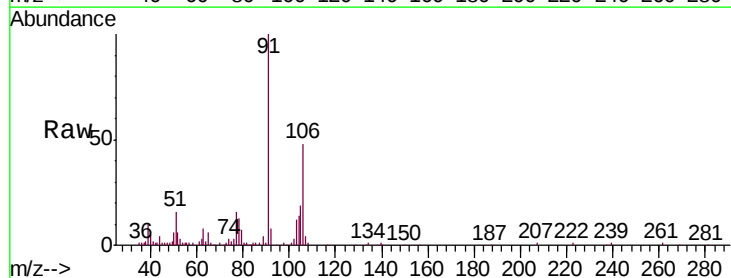
Acq: 06 Nov 2019 16:23

Tgt Ion:106 Resp: 20432

Ion Ratio Lower Upper

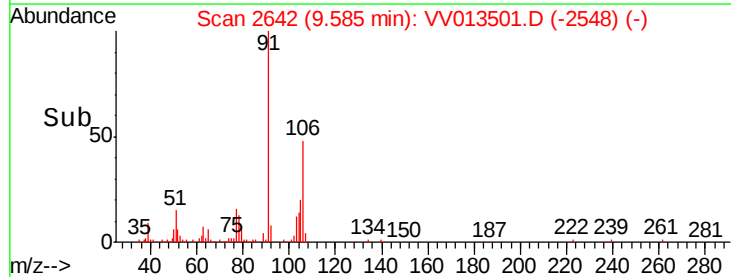
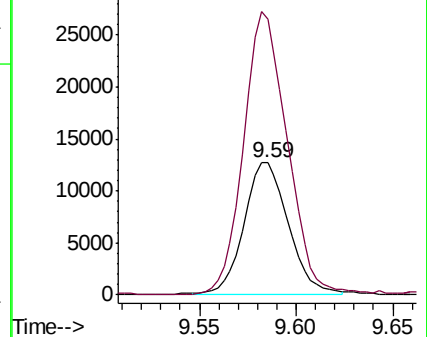
106 100

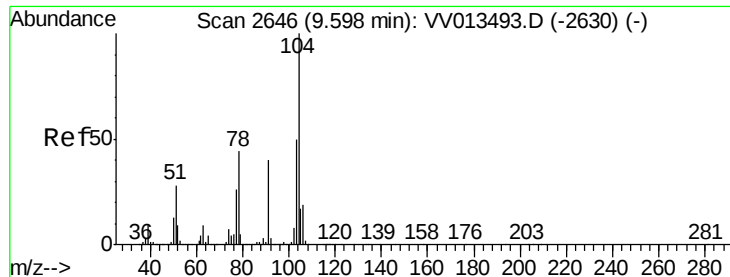
91 208.3 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Styrene

Concen: 1.657 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

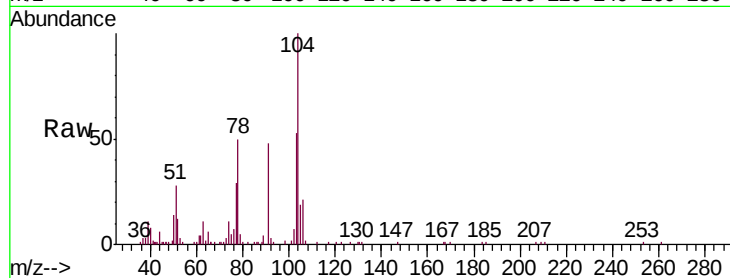
MDL04

Tgt Ion:104 Resp: 29748

Ion Ratio Lower Upper

104 100

78 49.6 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

20000

15000

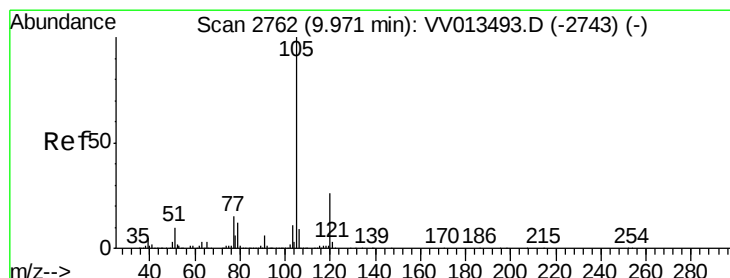
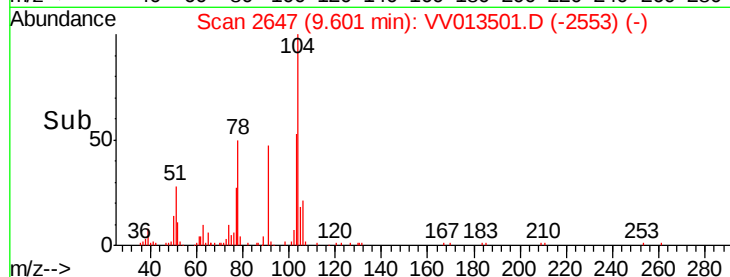
10000

5000

0

9.50 9.55 9.60 9.65 9.70

Time-->



#56

Isopropylbenzene

Concen: 1.732 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

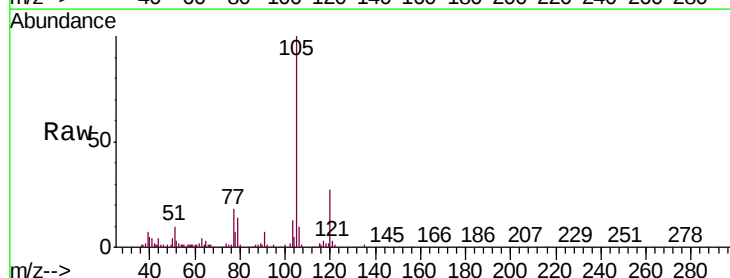
Tgt Ion:105 Resp: 47210

Ion Ratio Lower Upper

105 100

120 27.0 21.1 31.7

77 17.0 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

30000

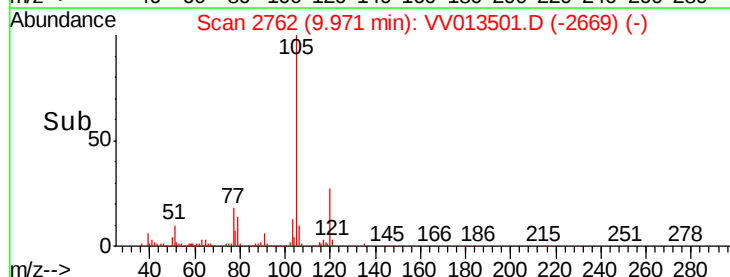
20000

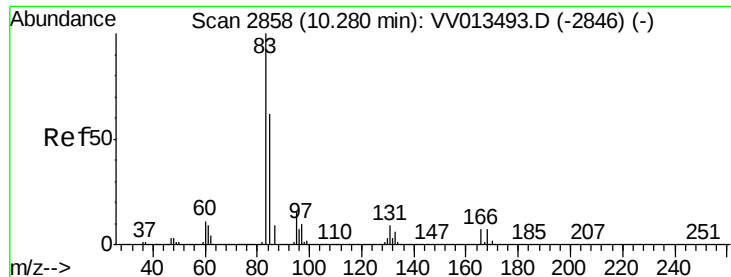
10000

0

9.95 10.00

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 2.388 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

MDL04

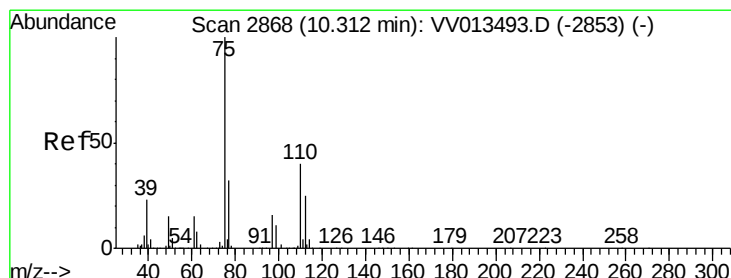
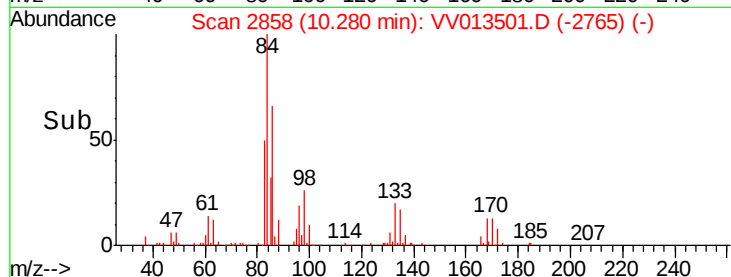
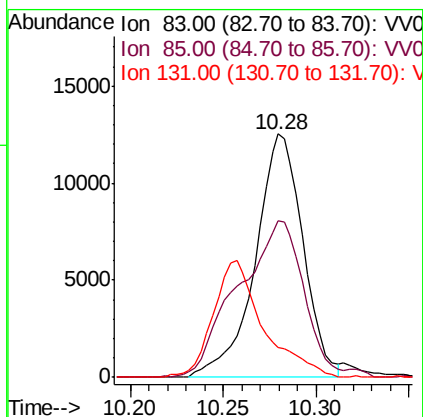
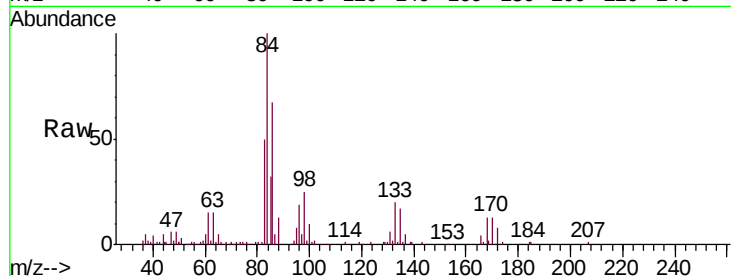
Tgt Ion: 83 Resp: 22421

Ion Ratio Lower Upper

83 100

85 64.1 44.0 81.6

131 12.4 7.7 11.5#



#59

1,2,3-Trichloropropane

Concen: 2.313 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013501.D

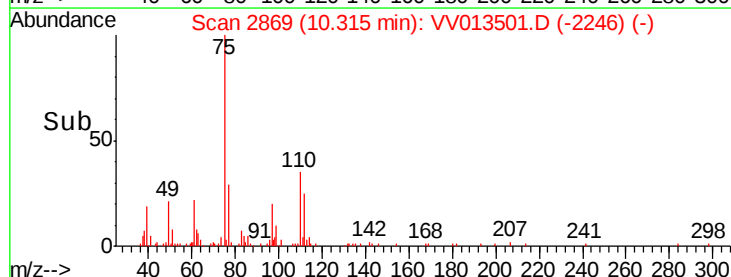
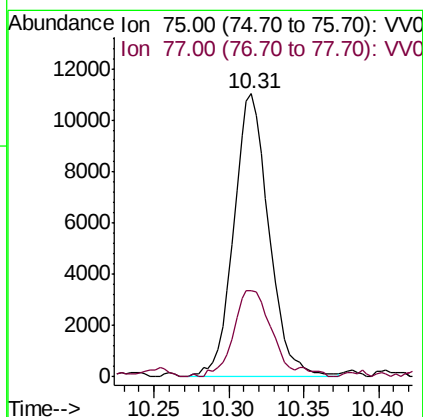
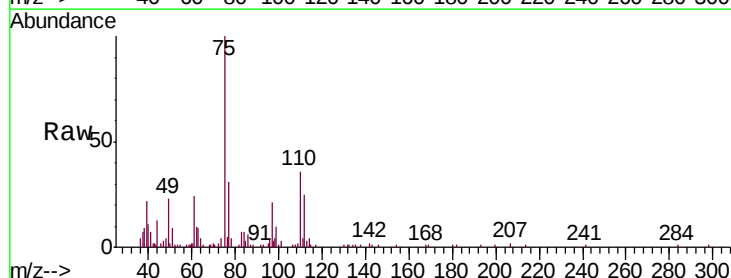
Acq: 06 Nov 2019 16:23

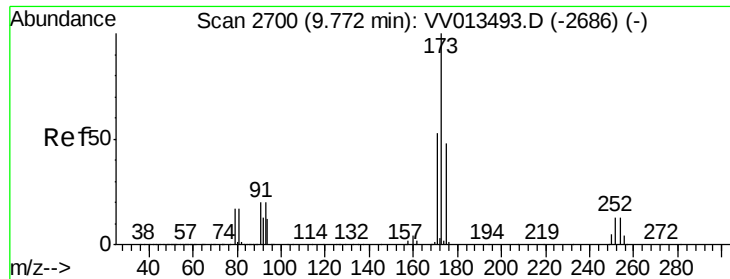
Tgt Ion: 75 Resp: 18077

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2





#61

Bromoform

Concen: 2.303 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

MDL04

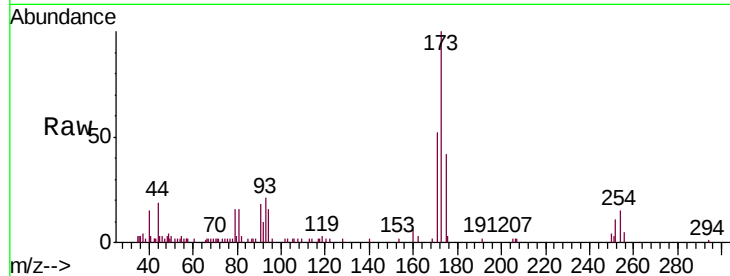
Tgt Ion:173 Resp: 11037

Ion Ratio Lower Upper

173 100

175 44.9 39.0 58.4

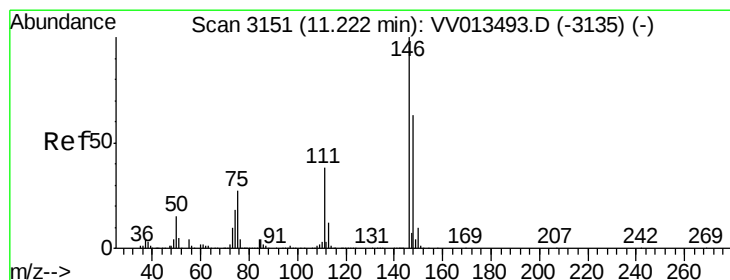
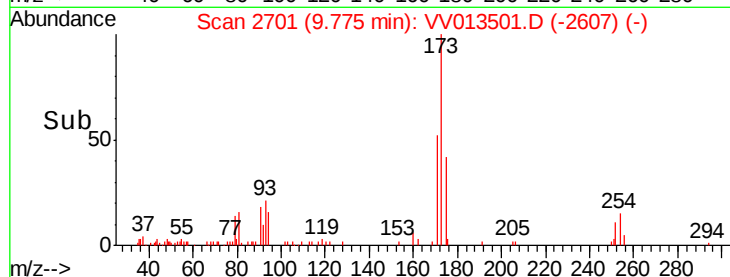
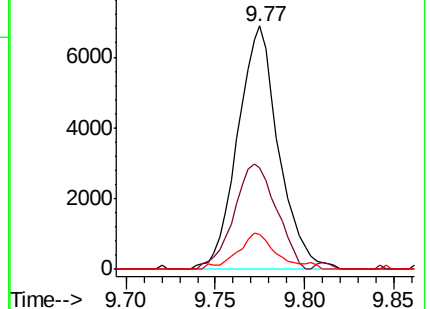
254 12.8 10.2 15.2



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 2.372 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV013501.D

Acq: 06 Nov 2019 16:23

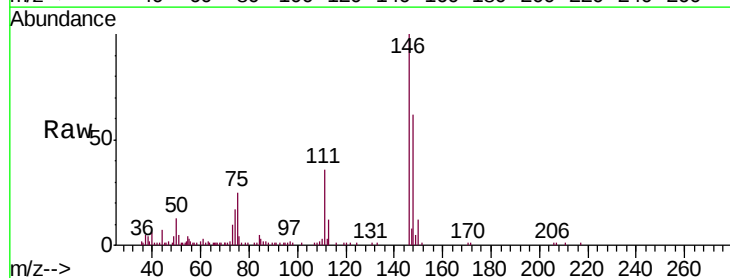
Tgt Ion:146 Resp: 29380

Ion Ratio Lower Upper

146 100

111 35.6 26.4 49.0

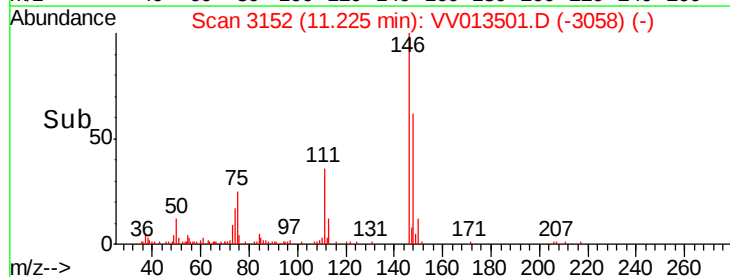
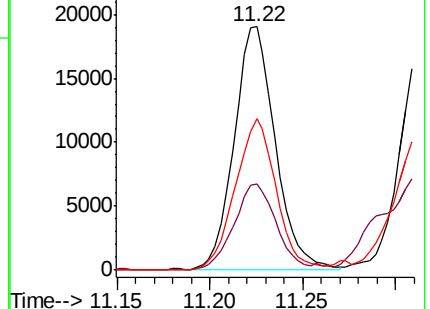
148 62.0 44.4 82.4

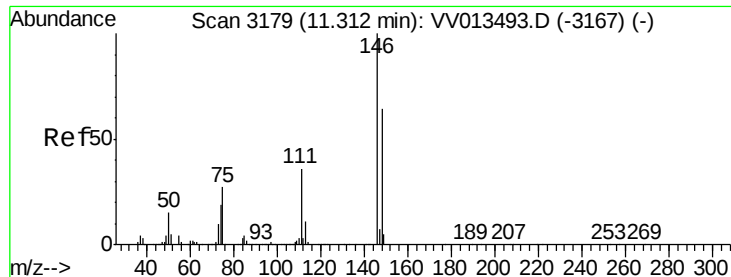


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

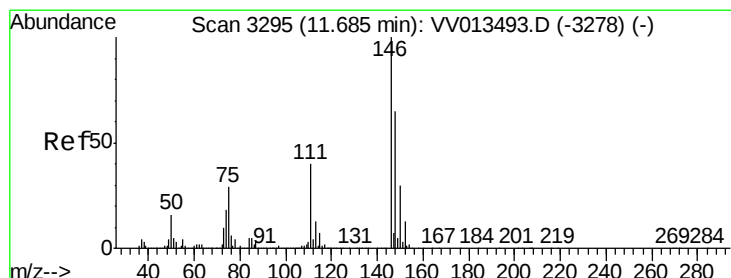
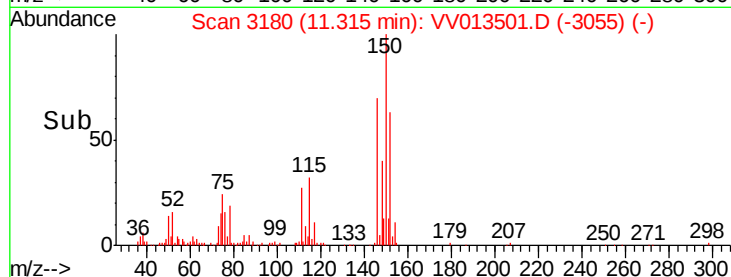
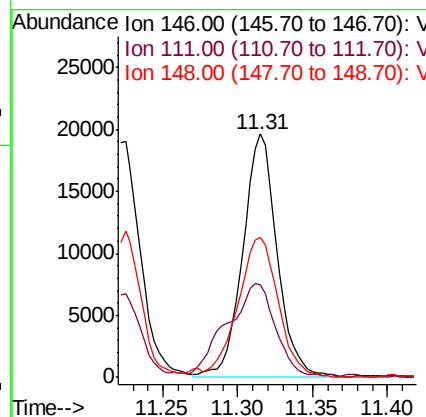
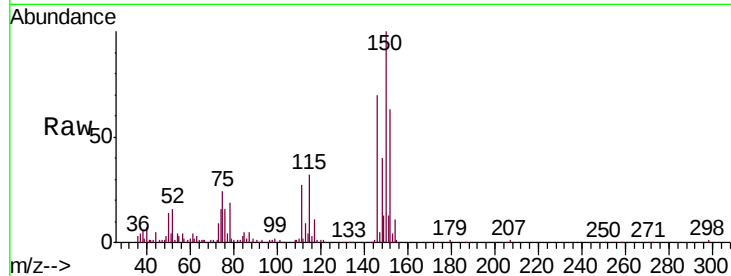




#63
1,4-Dichlorobenzene
Concen: 2.450 ug/L
RT: 11.31 min Scan# 3180
Delta R.T. 0.00 min
Lab File: VV013501.D
Acq: 06 Nov 2019 16:23

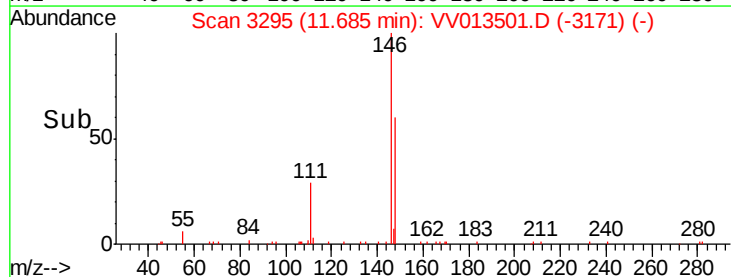
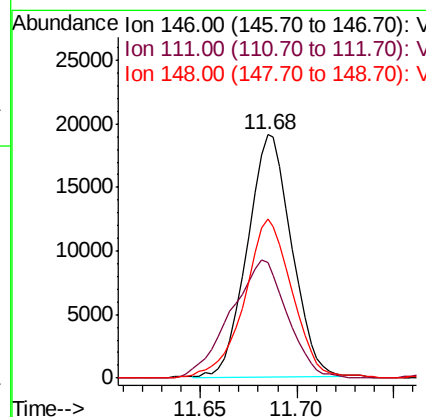
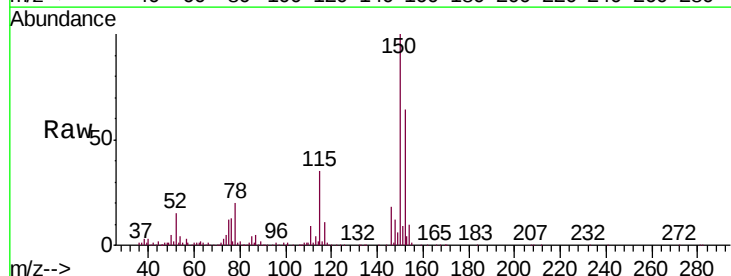
Instrument :
MSVOA_V
ClientSampled :
MDL04

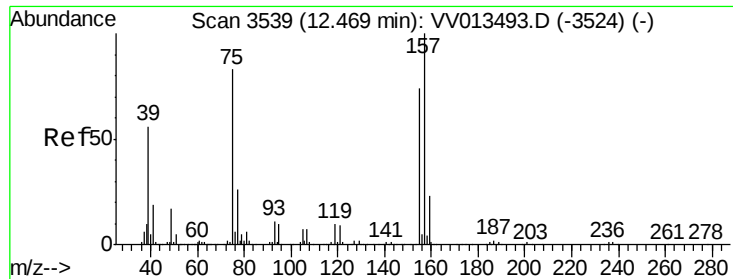
Tgt Ion:146 Resp: 31431
Ion Ratio Lower Upper
146 100
111 38.1 25.5 47.3
148 57.3 44.9 83.5



#65
1,2-Dichlorobenzene
Concen: 2.452 ug/L
RT: 11.68 min Scan# 3295
Delta R.T. -0.00 min
Lab File: VV013501.D
Acq: 06 Nov 2019 16:23

Tgt Ion:146 Resp: 30414
Ion Ratio Lower Upper
146 100
111 47.5 32.1 48.1
148 65.4 52.0 78.0

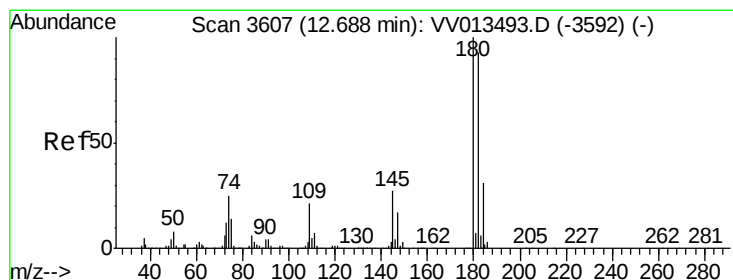
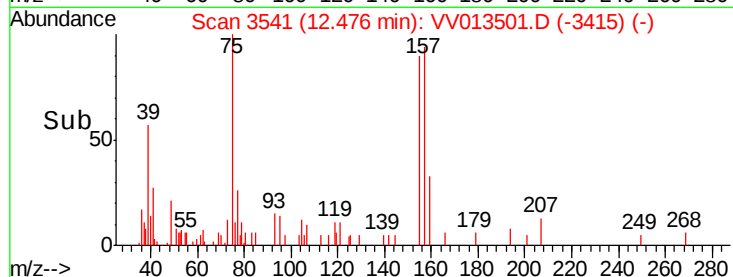
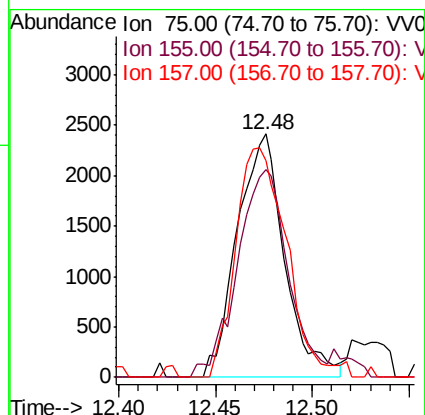
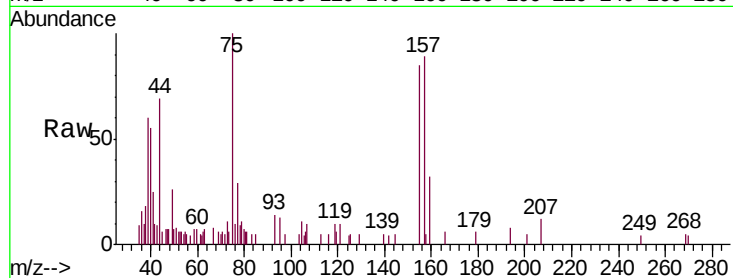




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.402 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.01 min
 Lab File: VV013501.D
 Acq: 06 Nov 2019 16:23

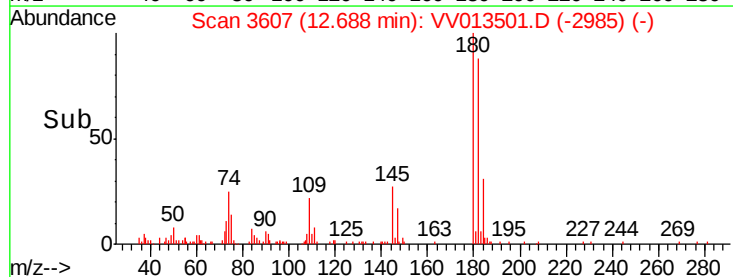
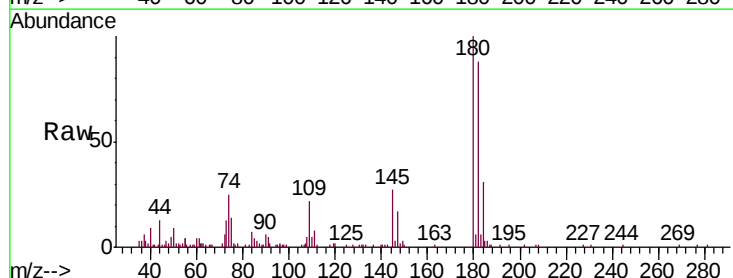
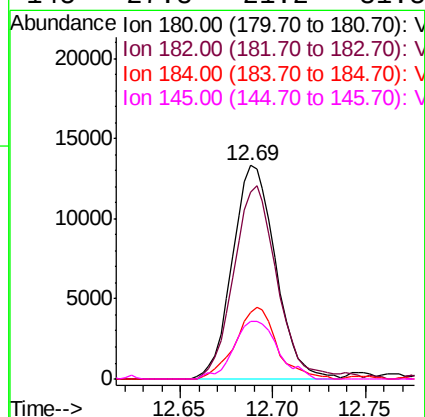
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

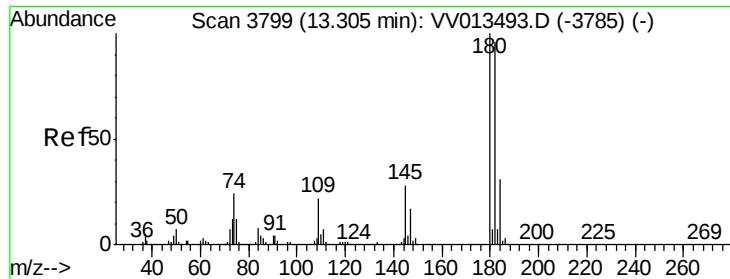
Tgt Ion: 75 Resp: 4110
 Ion Ratio Lower Upper
 75 100
 155 85.3 71.9 107.9
 157 88.8 96.6 145.0#



#67
 1,3,5-Trichlorobenzene
 Concen: 2.233 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013501.D
 Acq: 06 Nov 2019 16:23

Tgt Ion: 180 Resp: 21616
 Ion Ratio Lower Upper
 180 100
 182 89.7 76.2 114.2
 184 32.0 24.3 36.5
 145 27.8 21.2 31.8

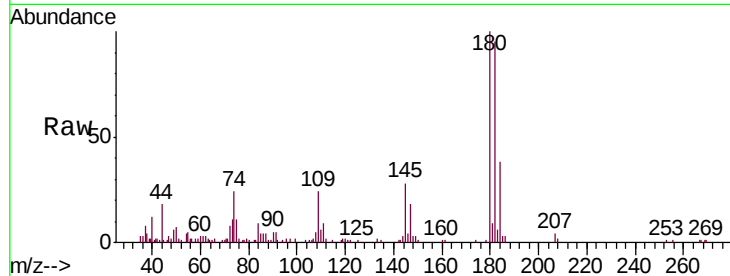




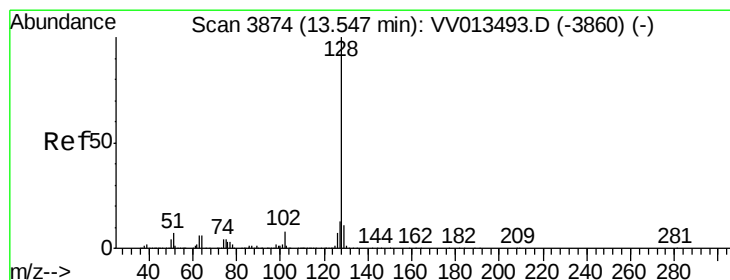
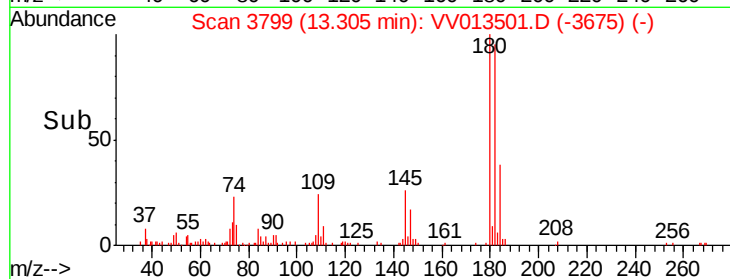
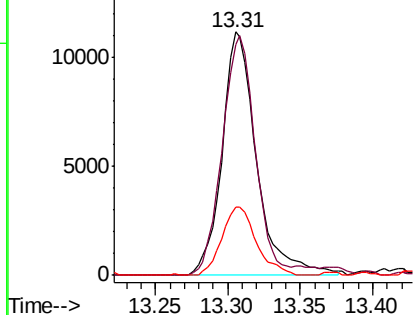
#68
 1,2,4-trichlorobenzene
 Concen: 2.184 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013501.D
 Acq: 06 Nov 2019 16:23

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.4	114.6
145	27.9	22.4	33.6

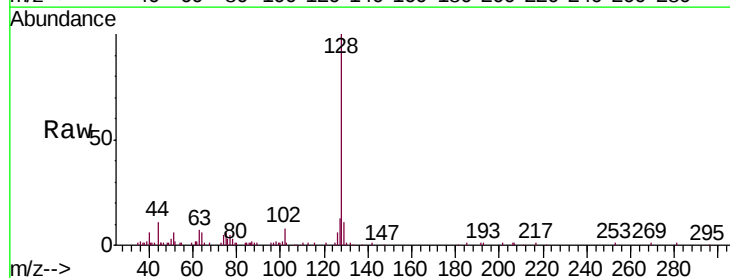


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

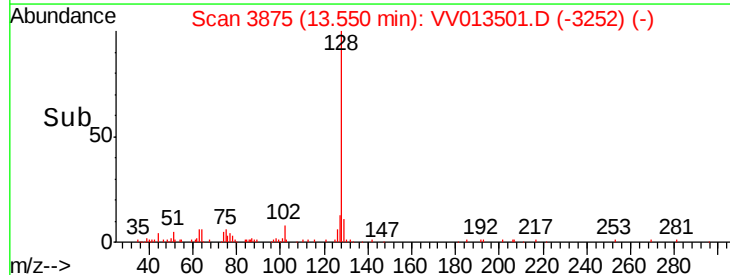
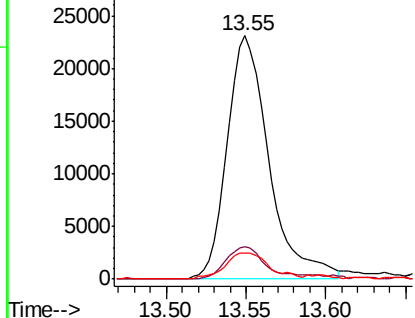


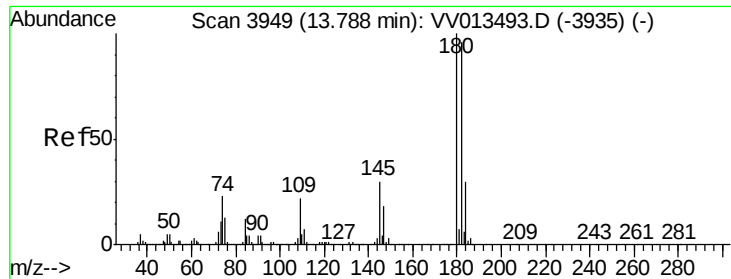
#69
 Naphthalene
 Concen: 1.830 ug/L
 RT: 13.55 min Scan# 3875
 Delta R.T. 0.00 min
 Lab File: VV013501.D
 Acq: 06 Nov 2019 16:23

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	15.8
129	10.4	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

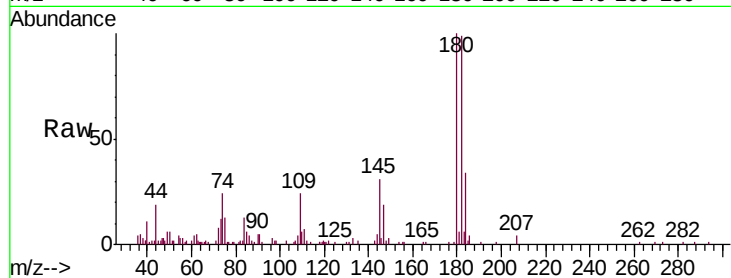




#70
 1,2,3-Trichlorobenzene
 Concen: 2.030 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VV013501.D
 Acq: 06 Nov 2019 16:23

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.4	116.0
145	31.8	24.0	36.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

