

Data File : VV013499.D
Acq On : 06 Nov 2019 15:36
Operator : SY/MD
Sample : MDL02
Misc : 5.0G/5mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Quant Time: Nov 07 02:46:40 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	1040814	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	997521	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	476887	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	296217	48.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.20%
7) Chloroethane-d5	1.58	69	248874	50.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.32%
11) 1,1-Dichloroethene-d2	2.13	63	403080	37.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.64%
21) 2-Butanone-d5	3.92	46	495332	109.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.92%
24) Chloroform-d	4.40	84	635160	48.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.02%
26) 1,2-Dichloroethane-d4	5.07	65	438491	50.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.56%
32) Benzene-d6	5.09	84	1346039	50.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.18%
36) 1,2-Dichloropropane-d6	6.11	67	439002	50.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.74%
41) Toluene-d8	7.35	98	1237275	50.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.08%
43) trans-1,3-Dichloropropene-	7.66	79	196728	49.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.20%
47) 2-Hexanone-d5	8.13	63	307925	98.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.35%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	524500	48.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.74%
64) 1,2-Dichlorobenzene-d4	11.67	152	495979	52.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.34%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	21072	2.433 ug/L	98
3) Chloromethane	1.25	50	21883	2.659 ug/L	96
5) Vinyl chloride	1.32	62	20827	2.709 ug/L #	56
6) Bromomethane	1.53	94	9392	2.546 ug/L	92
8) Chloroethane	1.60	64	10981	2.549 ug/L	92
9) Trichlorofluoromethane	1.77	101	26250	2.572 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	18510	3.220 ug/L #	82
12) 1,1-Dichloroethene	2.14	96	17379	3.167 ug/L #	1
13) Acetone	2.18	43	22414	5.329 ug/L	99
14) Carbon disulfide	2.32	76	51015	2.657 ug/L	99
15) Methyl Acetate	2.46	43	17713	2.309 ug/L	99
16) Methylene chloride	2.53	84	19063	2.567 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	17193	2.517 ug/L	95
18) Methyl tert-butyl Ether	2.80	73	47974	2.303 ug/L	96
19) 1,1-Dichloroethane	3.23	63	33093	2.540 ug/L	95
20) cis-1,2-Dichloroethene	3.96	96	9871	1.323 ug/L	94
22) 2-Butanone	4.02	43	12780	2.294 ug/L	77

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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)
23) Bromochloromethane	4.30	128	9318	2.363	ug/L	87
25) Chloroform	4.42	83	64943	4.845	ug/L	90
27) 1,2-Dichloroethane	5.18	62	25372	2.470	ug/L #	94
29) Cyclohexane	4.72	56	25603	2.234	ug/L	98
30) 1,1,1-Trichloroethane	4.65	97	27524	2.479	ug/L	99
31) Carbon tetrachloride	4.87	117	23281	2.352	ug/L	100
33) Benzene	5.15	78	70015	2.472	ug/L	100
34) Trichloroethene	5.96	95	20108	2.672	ug/L	99
35) Methylcyclohexane	6.17	83	26639	2.296	ug/L	95
37) 1,2-Dichloropropane	6.22	63	16842	2.259	ug/L #	91
38) Bromodichloromethane	6.55	83	23825	2.430	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	27998	2.472	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	41561	4.325	ug/L	97
42) Toluene	7.43	91	75424	2.555	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	26021	2.640	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	17273	2.474	ug/L	98
46) Tetrachloroethene	8.02	164	15817	2.462	ug/L	97
48) 2-Hexanone	8.18	43	55326	7.290	ug/L	92
49) Dibromochloromethane	8.29	129	18477	2.302	ug/L	97
50) 1,2-Dibromoethane	8.39	107	18053	2.464	ug/L #	96
51) Chlorobenzene	8.92	112	49506	2.524	ug/L	96
52) Ethylbenzene	9.05	91	74507	2.326	ug/L	99
53) m,p-Xylene	9.18	106	25990	2.138	ug/L	96
54) o-xylene	9.59	106	25306	2.171	ug/L	95
55) Styrene	9.60	104	40749	2.022	ug/L	99
56) Isopropylbenzene	9.97	105	65091	2.126	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	26542	2.518	ug/L #	90
59) 1,2,3-Trichloropropane	10.32	75	21462	2.445	ug/L	96
61) Bromoform	9.77	173	14026	2.508	ug/L	95
62) 1,3-Dichlorobenzene	11.23	146	38098	2.636	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	42783	2.858	ug/L	93
65) 1,2-Dichlorobenzene	11.69	146	40535	2.801	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.47	75	4604	2.306	ug/L	86
67) 1,3,5-Trichlorobenzene	12.69	180	30012	2.658	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	25521	2.580	ug/L	97
69) Naphthalene	13.55	128	53141	2.010	ug/L #	94
70) 1,2,3-Trichlorobenzene	13.79	180	25045	2.384	ug/L	99

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

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Instrument :
MSVOA_V
ClientSampleId :
MDL02

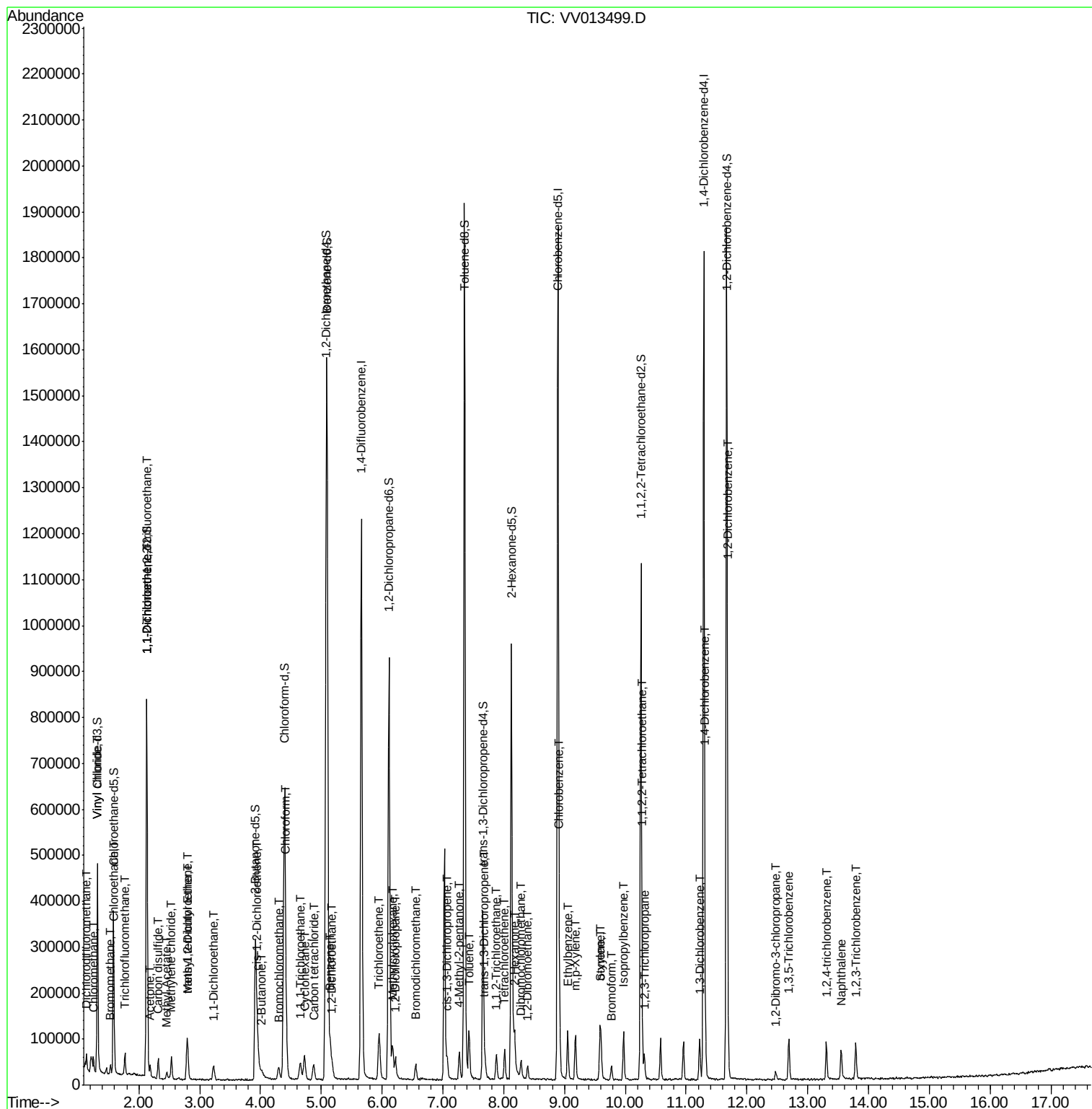
Quant Time: Nov 07 02:46:40 2019

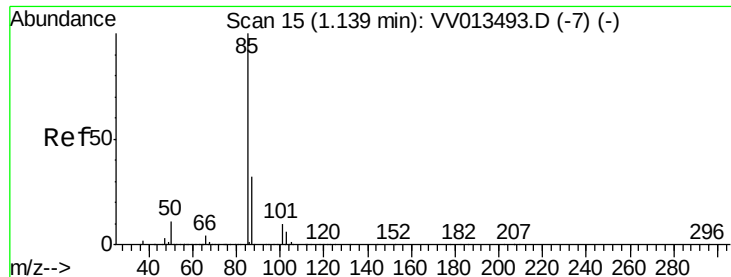
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM110619WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Nov 07 01:53:11 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.433 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

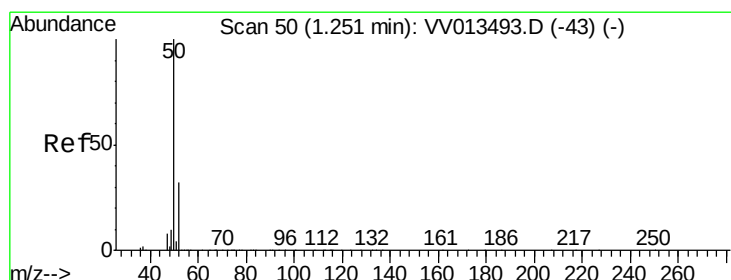
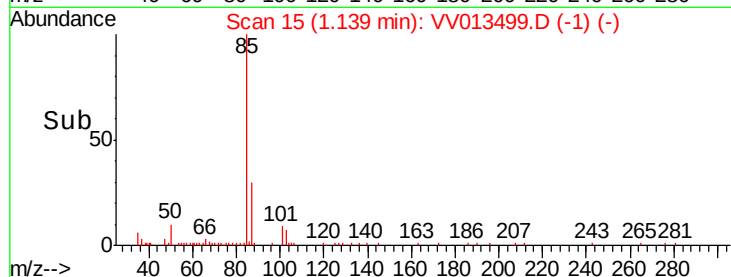
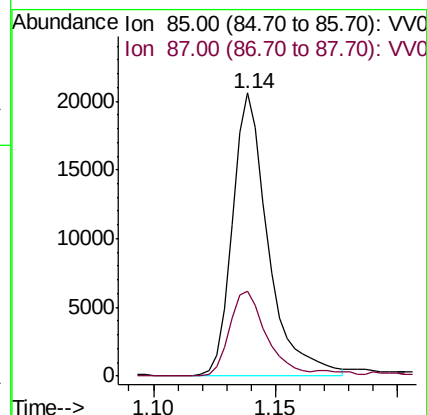
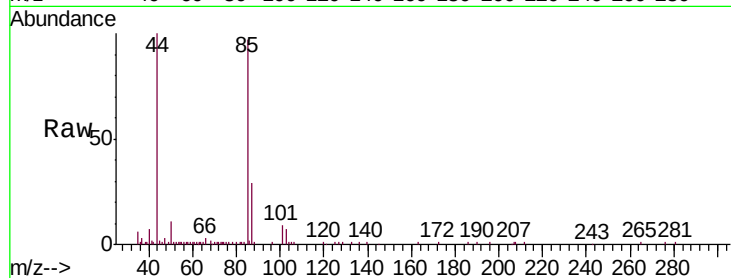
MDL02

Tgt Ion: 85 Resp: 21072

Ion Ratio Lower Upper

85 100

87 30.6 25.4 38.0



#3

Chloromethane

Concen: 2.659 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013499.D

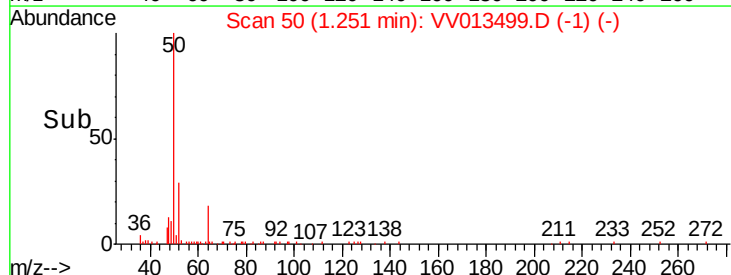
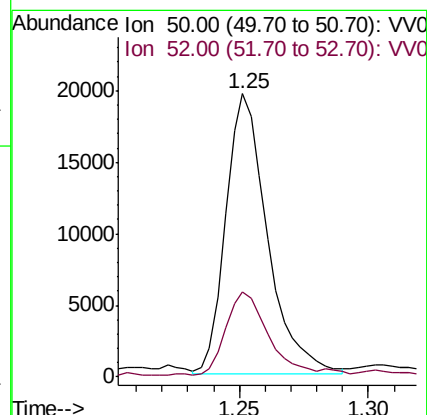
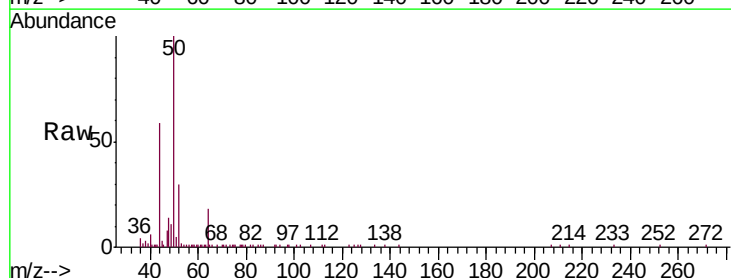
Acq: 06 Nov 2019 15:36

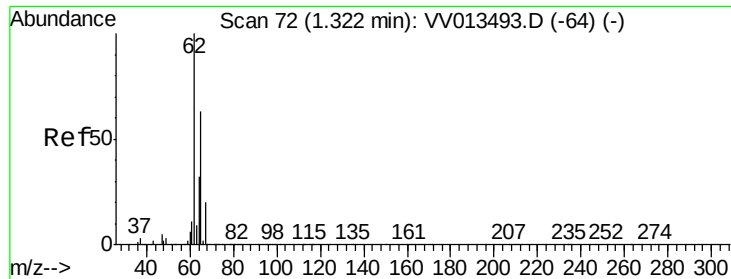
Tgt Ion: 50 Resp: 21883

Ion Ratio Lower Upper

50 100

52 29.9 22.5 41.9





#5

Vinyl chloride

Concen: 2.709 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

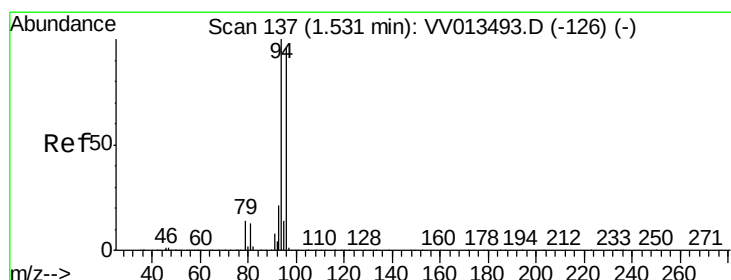
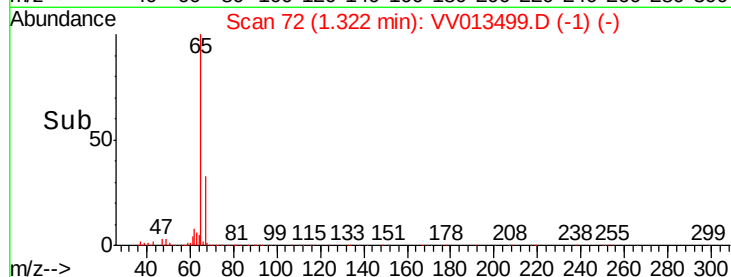
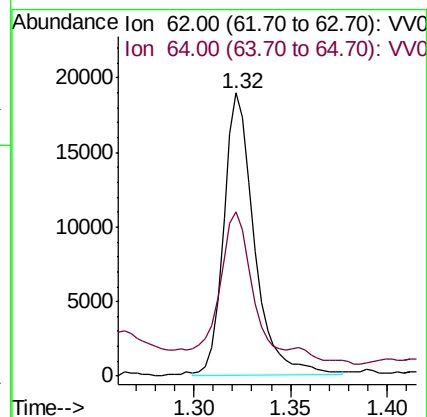
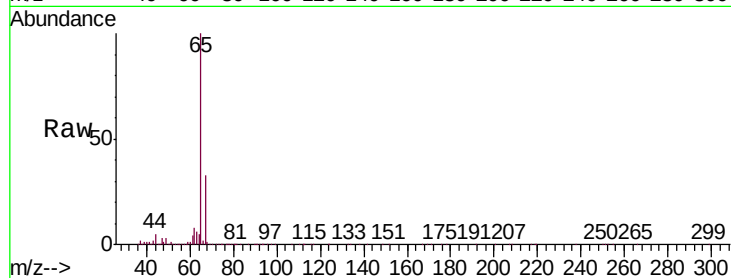
MDL02

Tgt Ion: 62 Resp: 20827

Ion Ratio Lower Upper

62 100

64 58.0 23.1 42.9#



#6

Bromomethane

Concen: 2.546 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013499.D

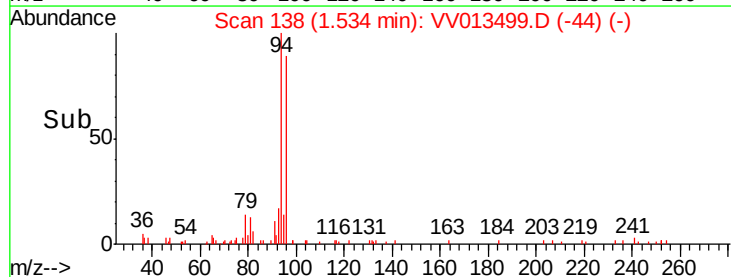
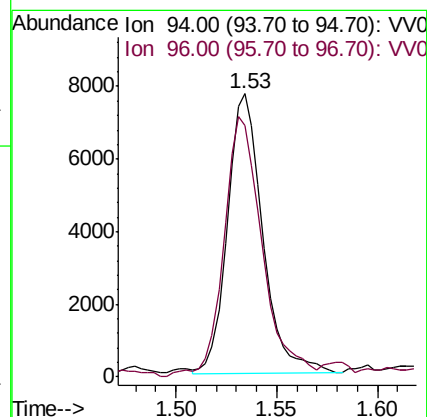
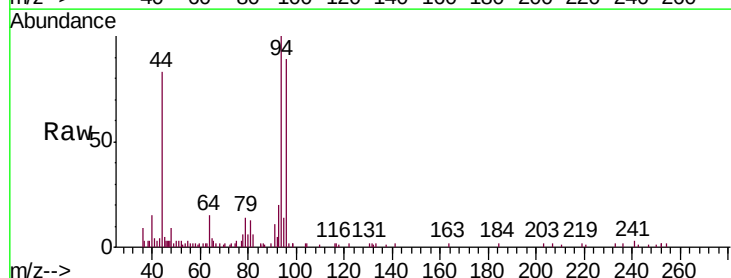
Acq: 06 Nov 2019 15:36

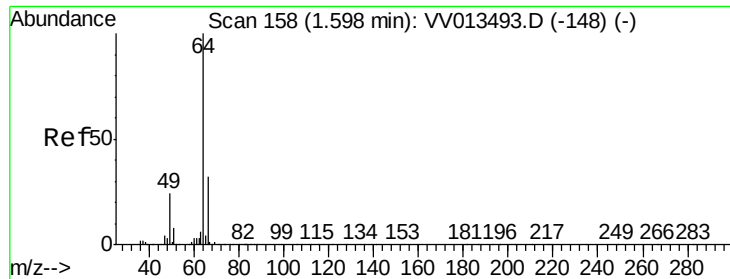
Tgt Ion: 94 Resp: 9392

Ion Ratio Lower Upper

94 100

96 88.8 67.4 125.2





#8

Chloroethane

Concen: 2.549 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

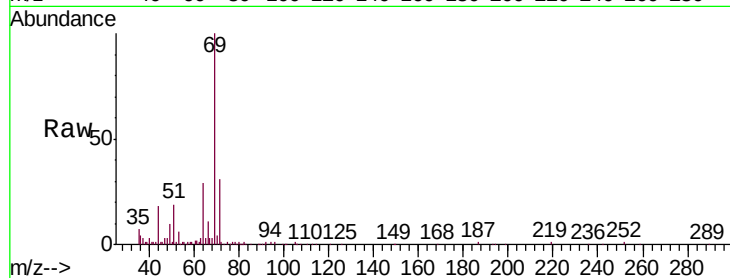
MDL02

Tgt Ion: 64 Resp: 10981

Ion Ratio Lower Upper

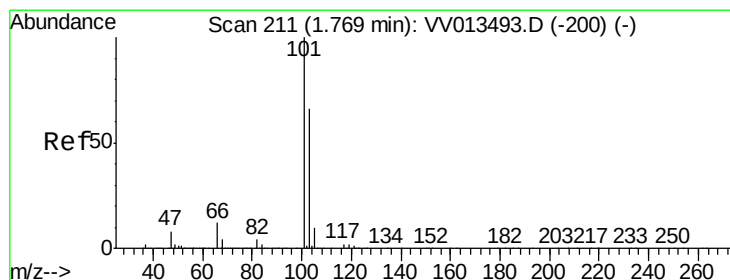
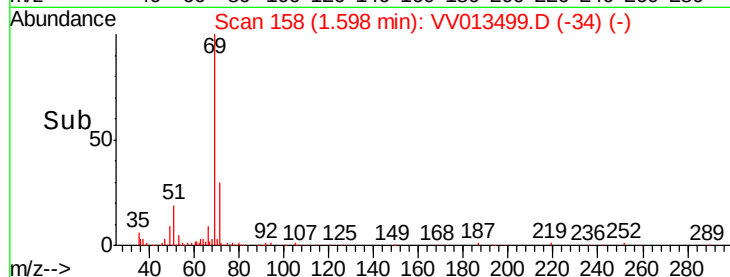
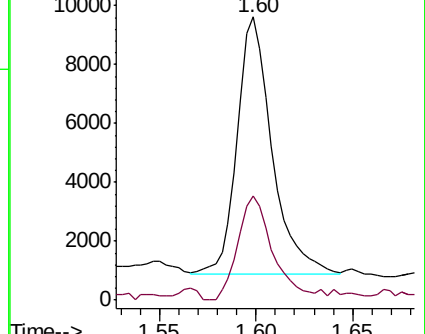
64 100

66 36.7 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0



#9

Trichlorofluoromethane

Concen: 2.572 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV013499.D

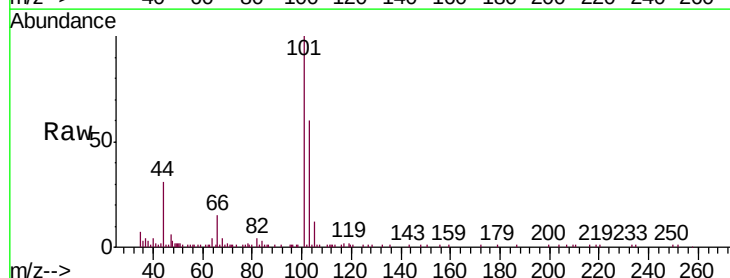
Acq: 06 Nov 2019 15:36

Tgt Ion: 101 Resp: 26250

Ion Ratio Lower Upper

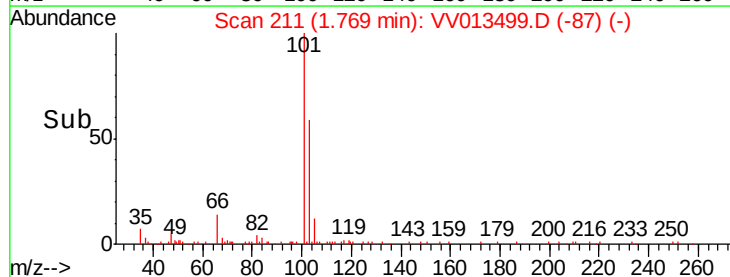
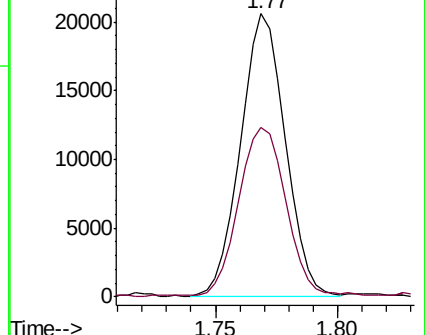
101 100

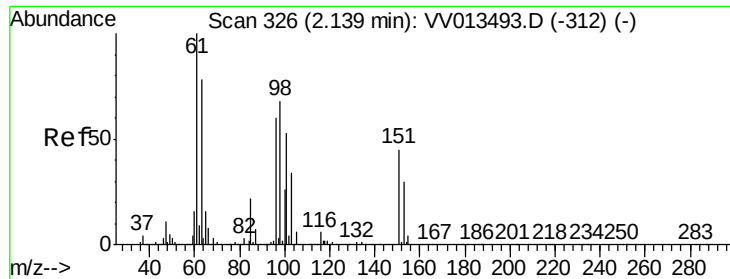
103 63.6 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 3.220 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

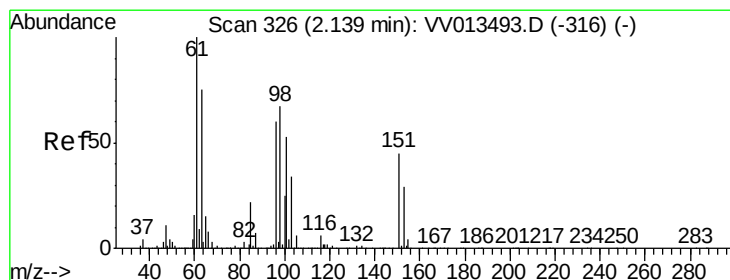
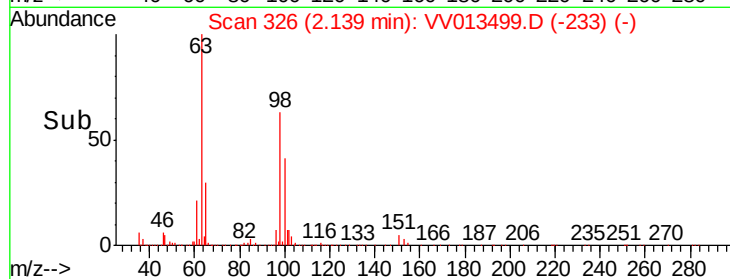
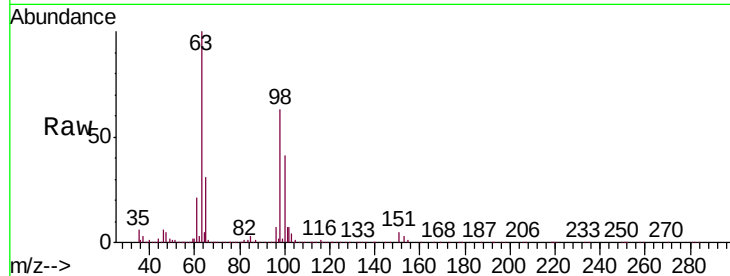
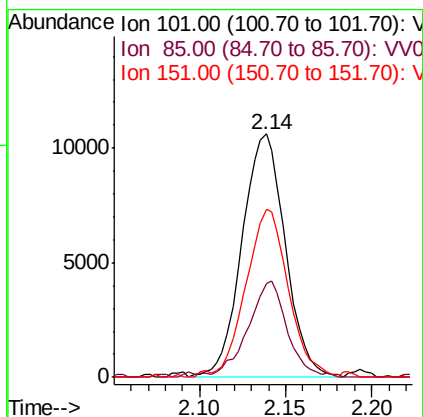
Instrument :

MSVOA_V

ClientSampled :

MDL02

Tgt Ion:	101	Resp:	18510
Ion Ratio	Lower	Upper	
101	100		
85	33.4	33.3	49.9
151	67.4	69.5	104.3#



#12

1,1-Dichloroethene

Concen: 3.167 ug/L

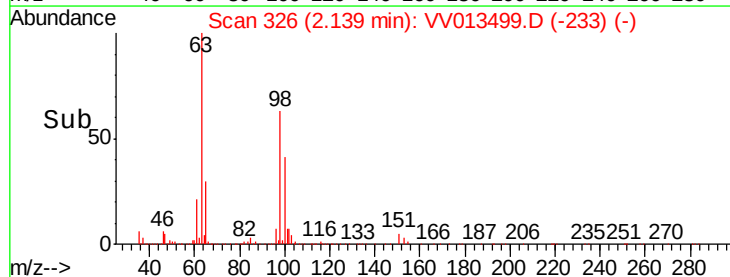
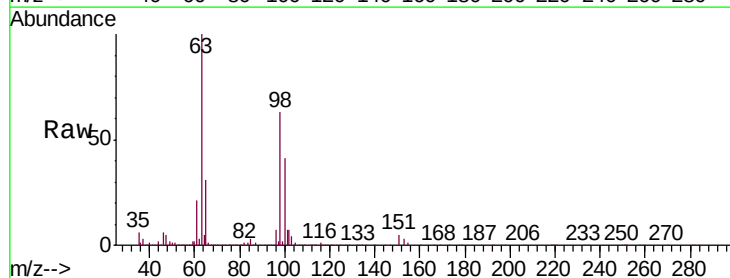
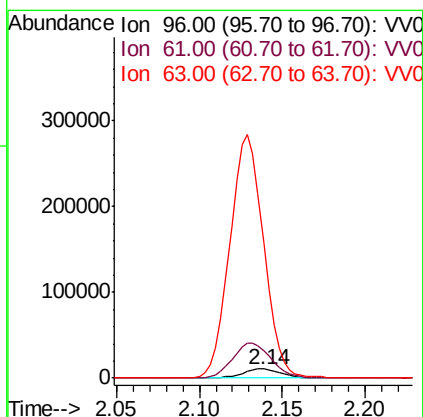
RT: 2.14 min Scan# 326

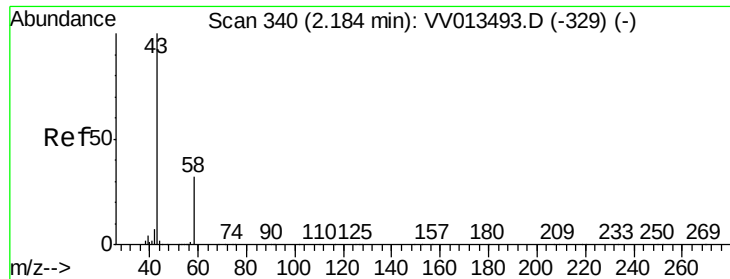
Delta R.T. -0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

Tgt Ion:	96	Resp:	17379
Ion Ratio	Lower	Upper	
96	100		
61	305.4	116.9	217.1#
63	1484.7	91.5	169.9#





#13

Acetone

Concen: 5.329 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

Instrument :

MSVOA_V

ClientSampled :

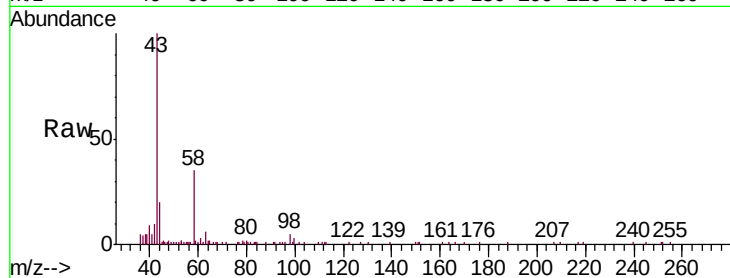
MDL02

Tgt Ion: 43 Resp: 22414

Ion Ratio Lower Upper

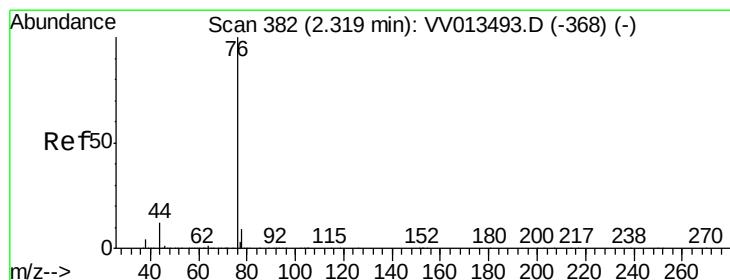
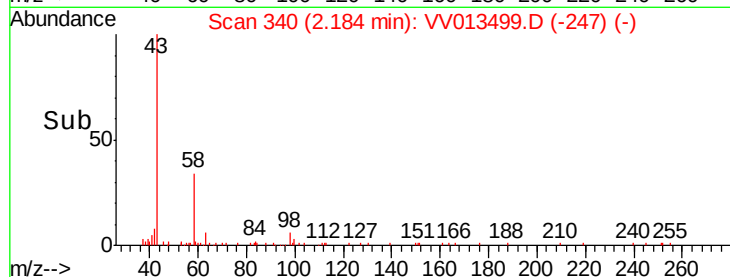
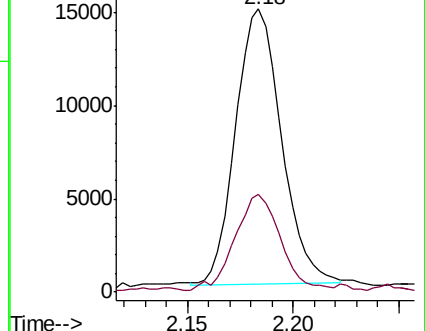
43 100

58 33.4 0.0 65.2



Abundance Ion 43.00 (42.70 to 43.70): VV013493.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV013493.D (-329) (-)



#14

Carbon disulfide

Concen: 2.657 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV013499.D

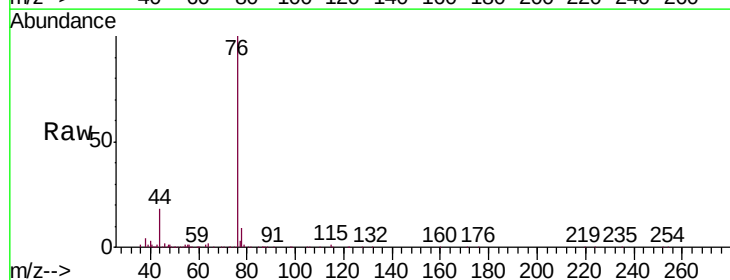
Acq: 06 Nov 2019 15:36

Tgt Ion: 76 Resp: 51015

Ion Ratio Lower Upper

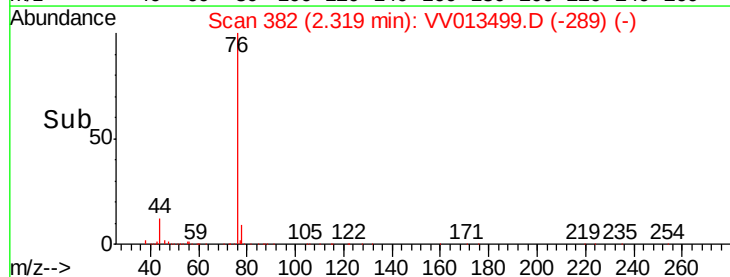
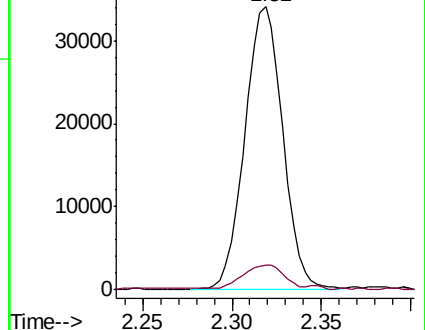
76 100

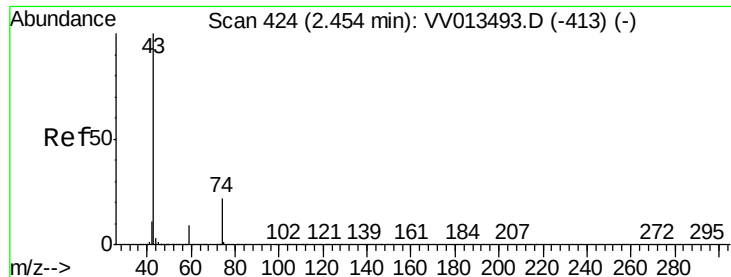
78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV013493.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV013493.D (-368) (-)





#15

Methyl Acetate

Concen: 2.309 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

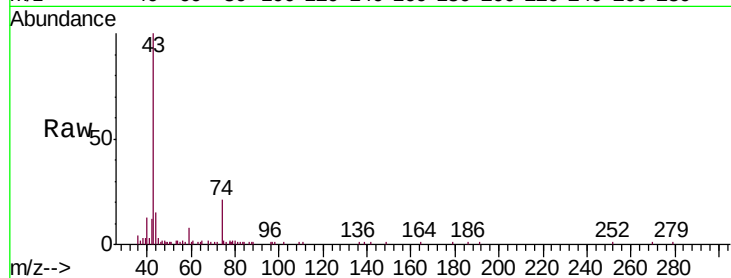
MDL02

Tgt Ion: 43 Resp: 17713

Ion Ratio Lower Upper

43 100

74 22.6 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

12000

10000

8000

6000

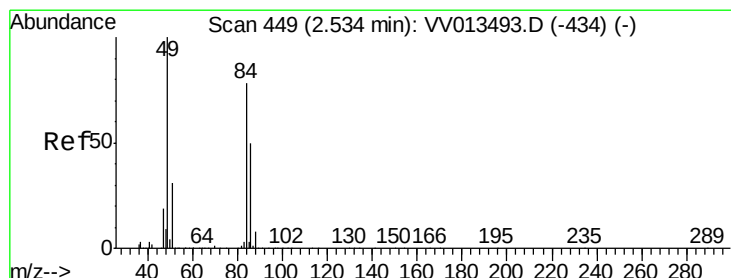
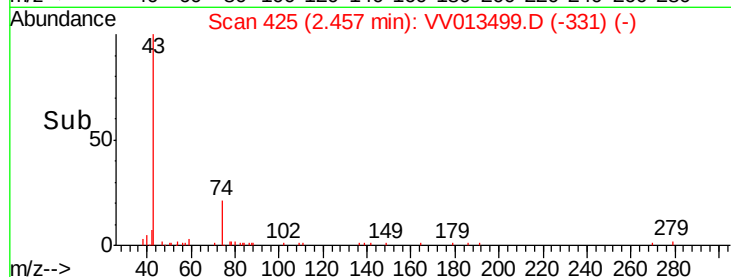
4000

2000

0

2.40 2.45 2.50 2.55

Time-->



#16

Methylene chloride

Concen: 2.567 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

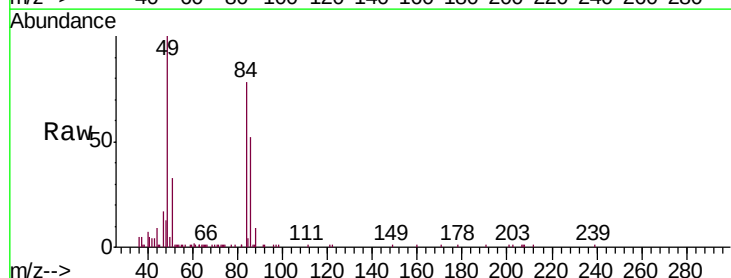
Tgt Ion: 84 Resp: 19063

Ion Ratio Lower Upper

84 100

86 66.5 44.7 83.1

49 128.2 89.2 165.8



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

20000

15000

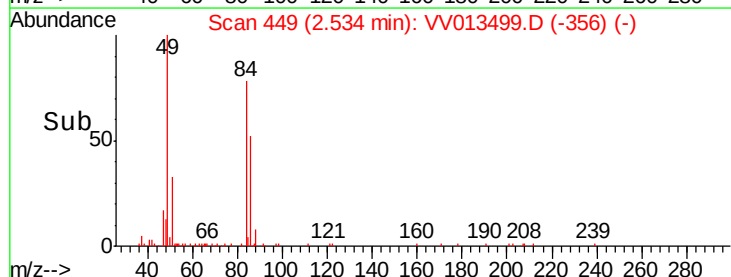
10000

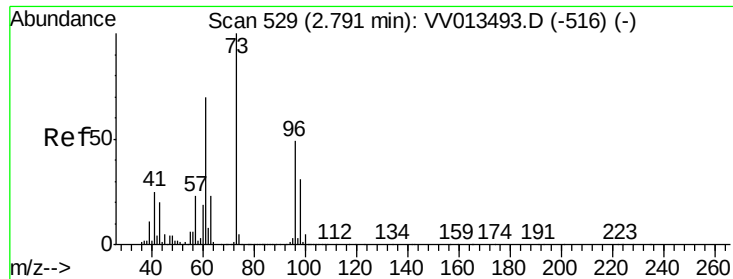
5000

0

2.50 2.55

Time-->

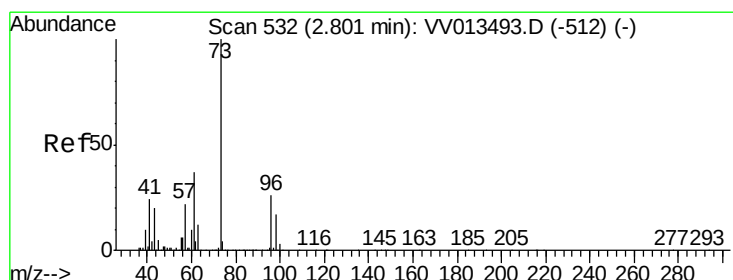
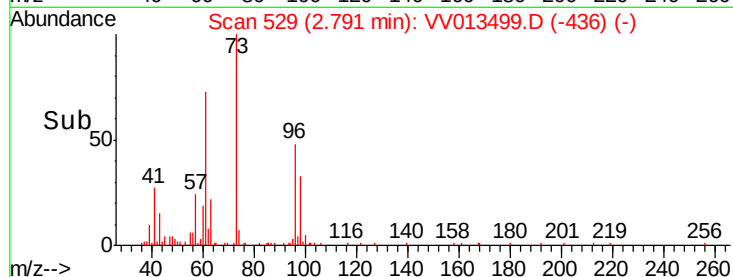
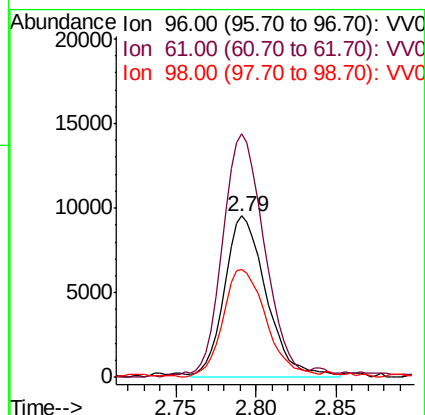
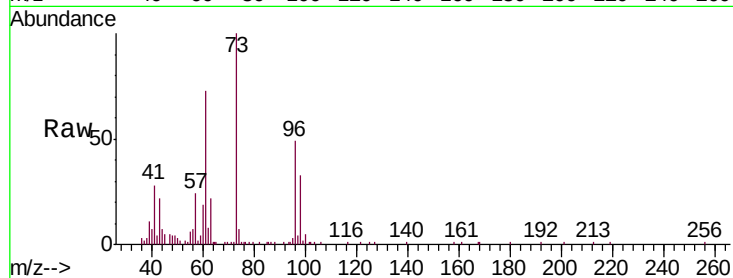




#17
trans-1,2-Dichloroethene
Concen: 2.517 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV013499.D
Acq: 06 Nov 2019 15:36

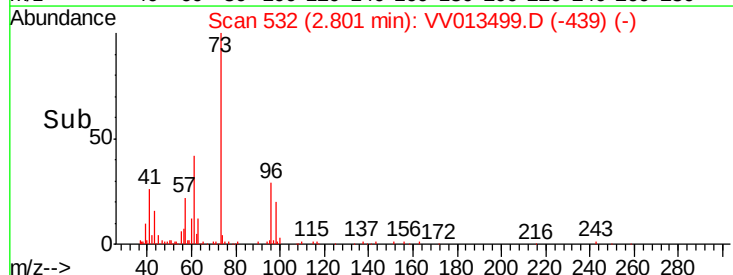
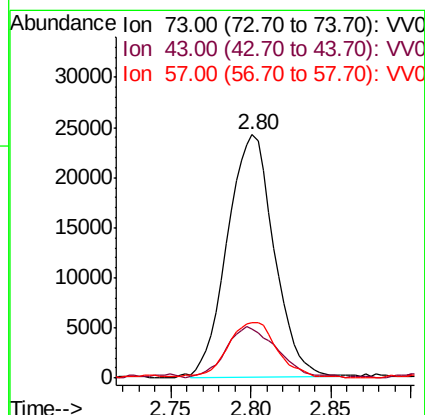
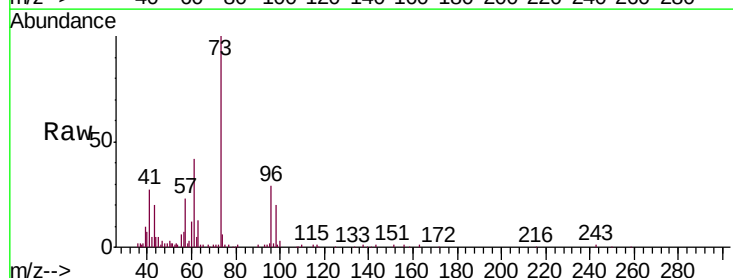
Instrument :
MSVOA_V
ClientSampleId :
MDL02

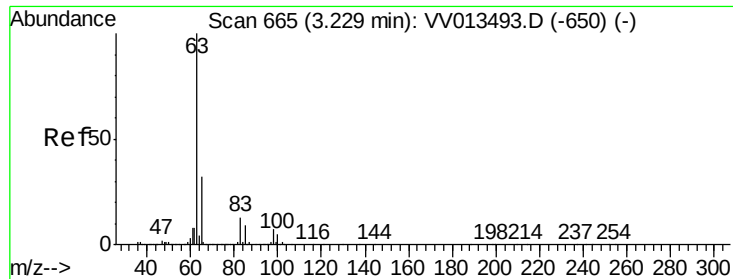
Tgt Ion: 96 Resp: 17193
Ion Ratio Lower Upper
96 100
61 150.8 100.4 186.6
98 67.2 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 2.303 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV013499.D
Acq: 06 Nov 2019 15:36

Tgt Ion: 73 Resp: 47974
Ion Ratio Lower Upper
73 100
43 23.3 15.7 23.5
57 23.2 18.1 27.1

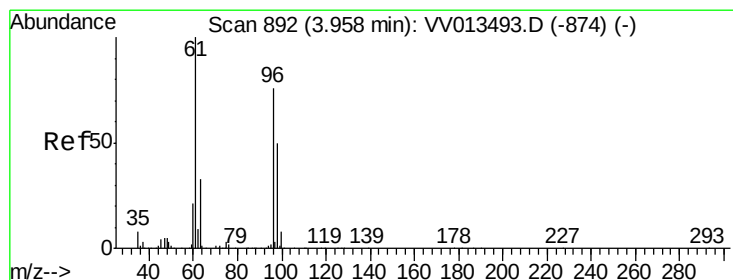
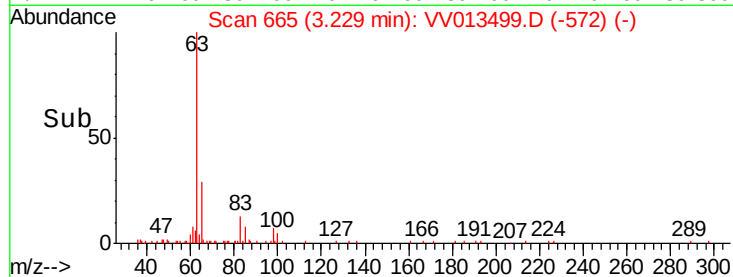
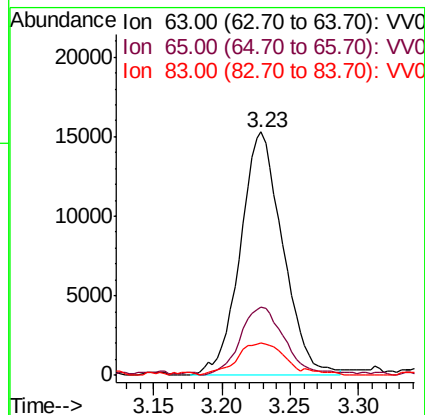
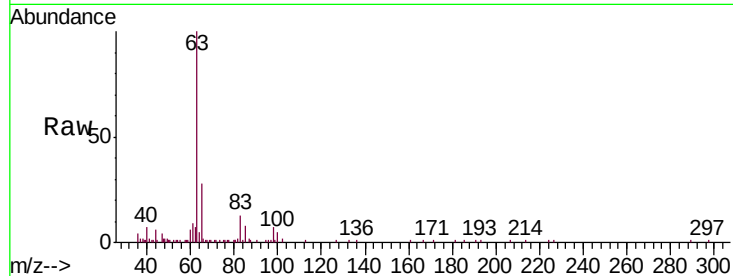




#19
 1,1-Dichloroethane
 Concen: 2.540 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV013499.D
 Acq: 06 Nov 2019 15:36

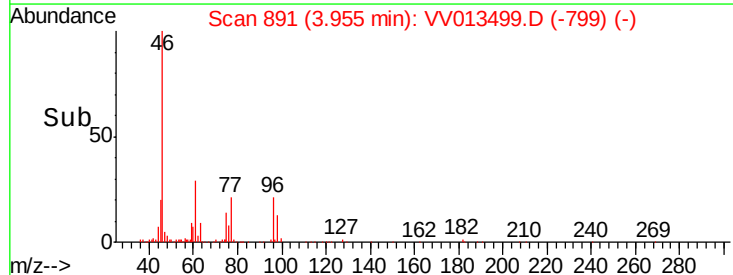
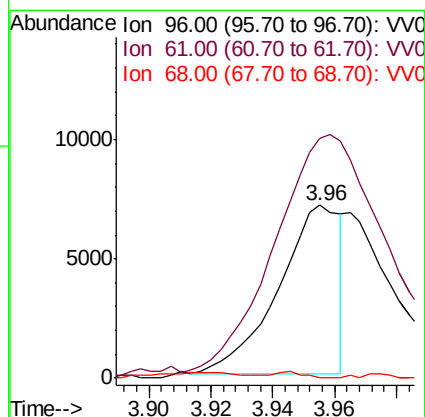
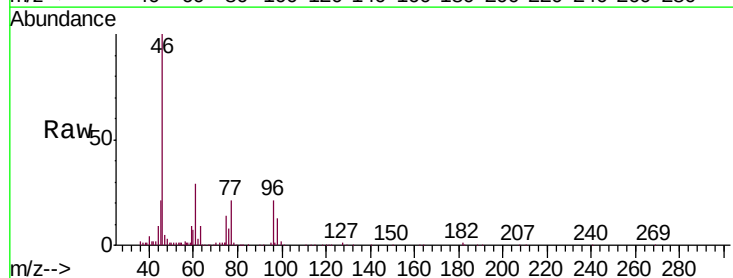
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

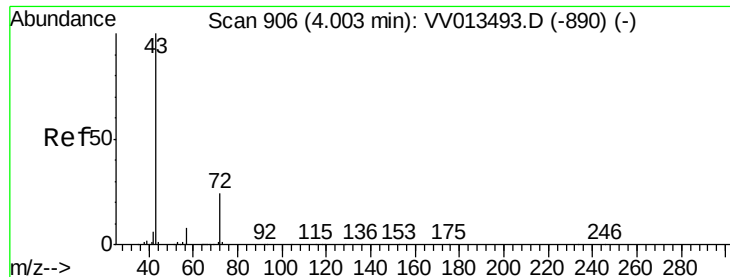
Tgt Ion	Ratio	Lower	Upper
63	100		
65	28.2	22.2	41.2
83	13.2	8.9	16.5



#20
 cis-1,2-Dichloroethene
 Concen: 1.323 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV013499.D
 Acq: 06 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.7	92.1	171.1
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 2.294 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.02 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

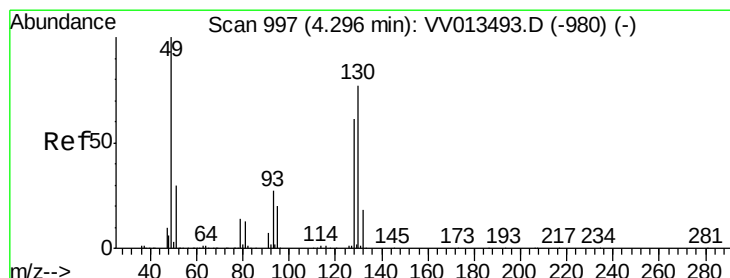
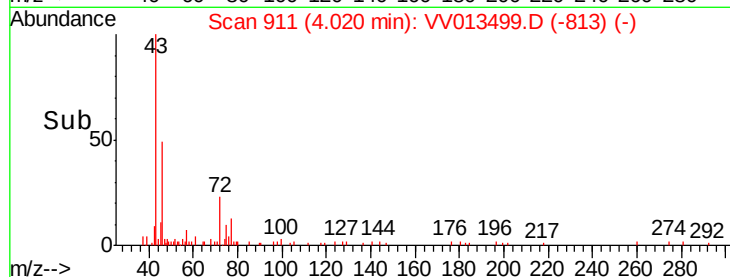
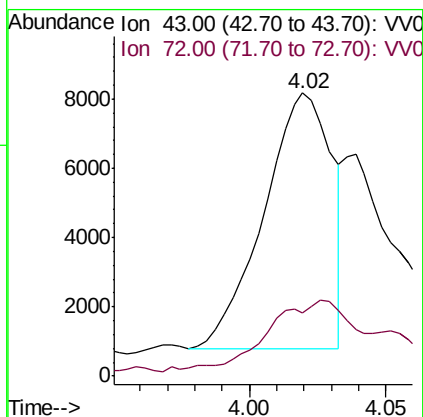
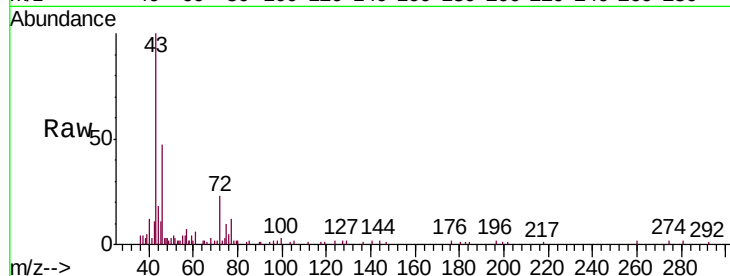
MDL02

Tgt Ion: 43 Resp: 12780

Ion Ratio Lower Upper

43 100

72 13.3 12.3 36.9



#23

Bromochloromethane

Concen: 2.363 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

Tgt Ion: 128 Resp: 9318

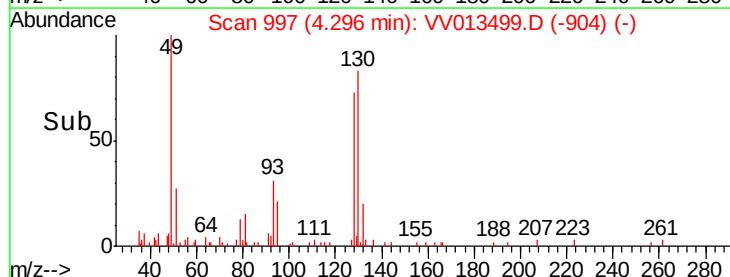
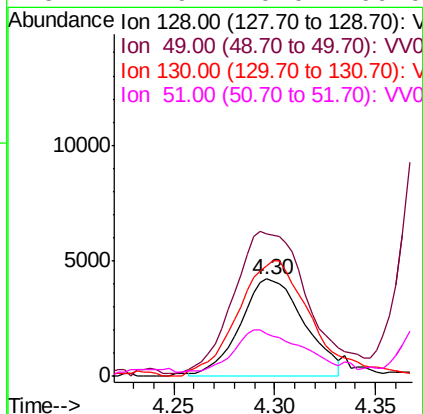
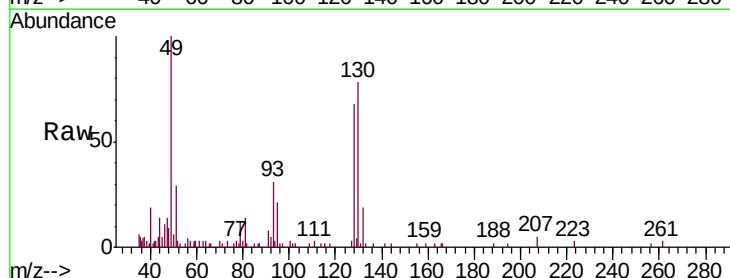
Ion Ratio Lower Upper

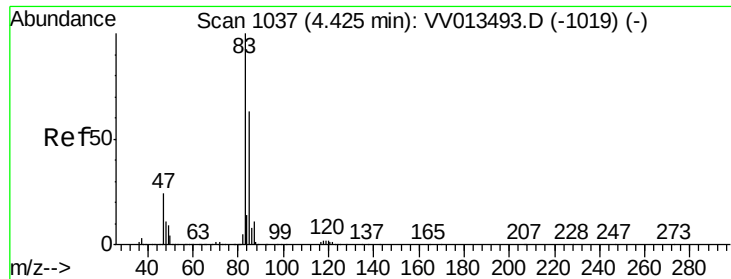
128 100

49 146.2 115.8 215.2

130 113.4 89.1 165.5

51 42.9 40.0 60.0

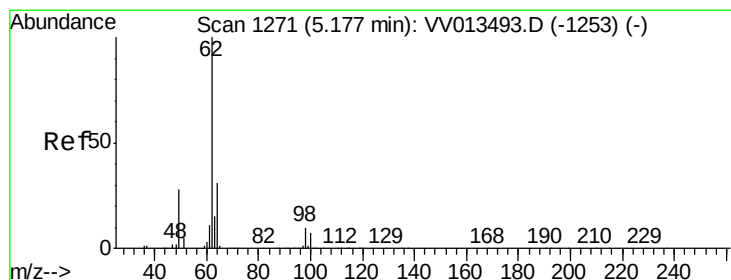
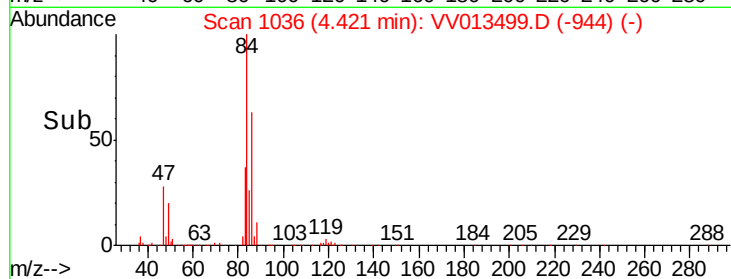
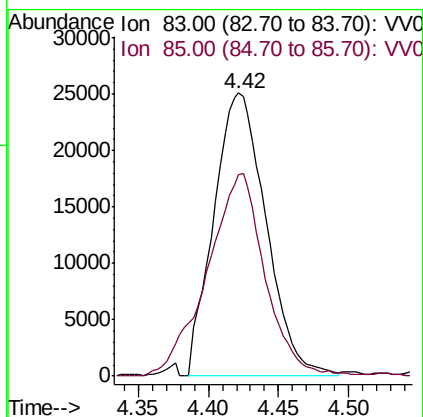
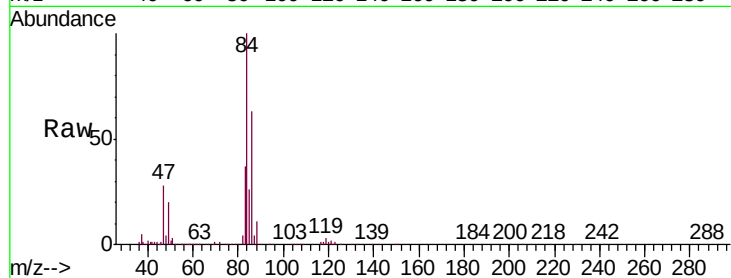




#25
Chloroform
Concen: 4.845 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV013499.D
Acq: 06 Nov 2019 15:36

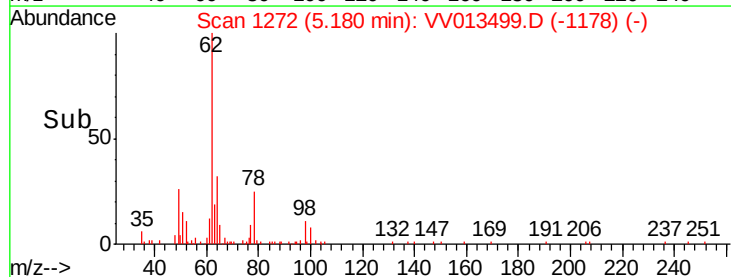
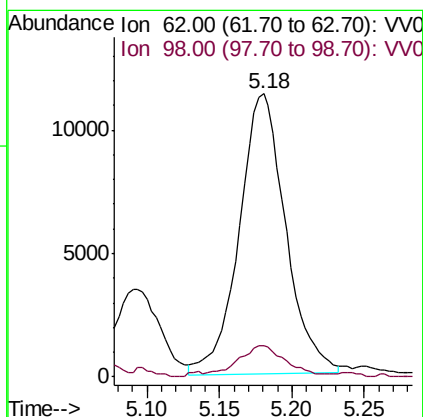
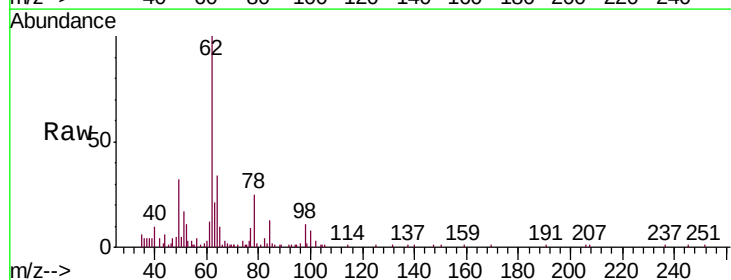
Instrument :
MSVOA_V
ClientSampled :
MDL02

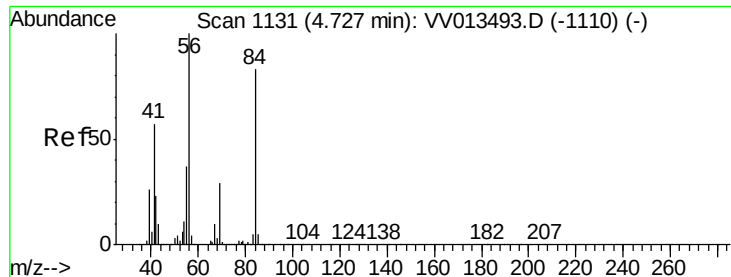
Tgt Ion: 83 Resp: 64943
Ion Ratio Lower Upper
83 100
85 71.0 44.4 82.5



#27
1,2-Dichloroethane
Concen: 2.470 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV013499.D
Acq: 06 Nov 2019 15:36

Tgt Ion: 62 Resp: 25372
Ion Ratio Lower Upper
62 100
98 12.6 8.2 12.4#

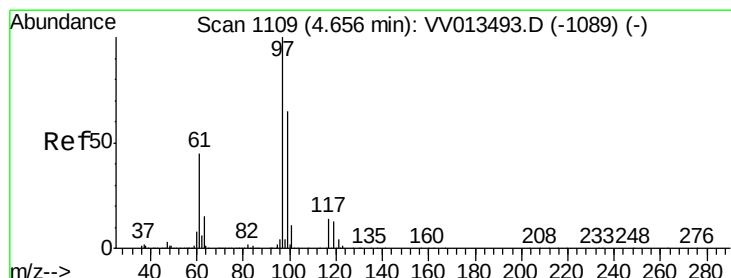
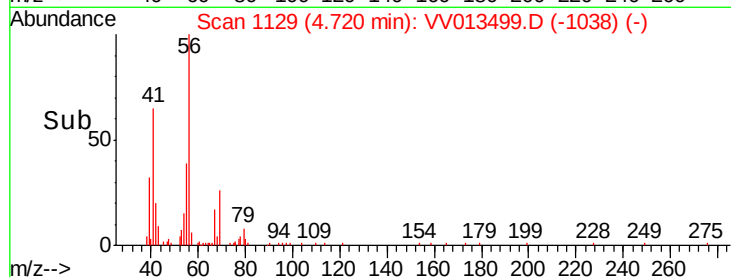
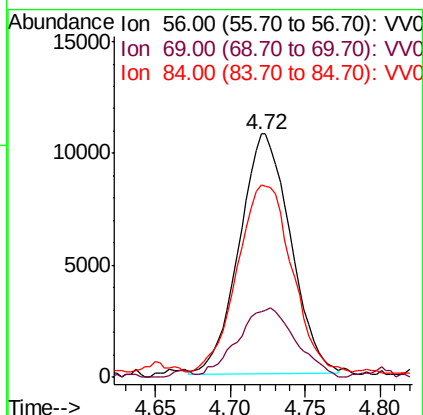
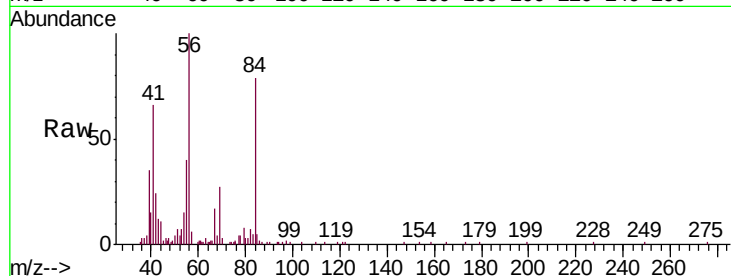




#29
Cyclohexane
Concen: 2.234 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.01 min
Lab File: VV013499.D
Acq: 06 Nov 2019 15:36

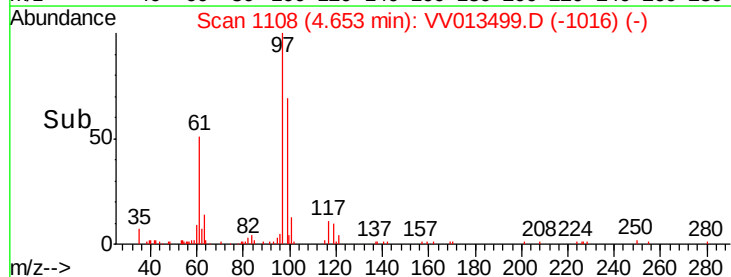
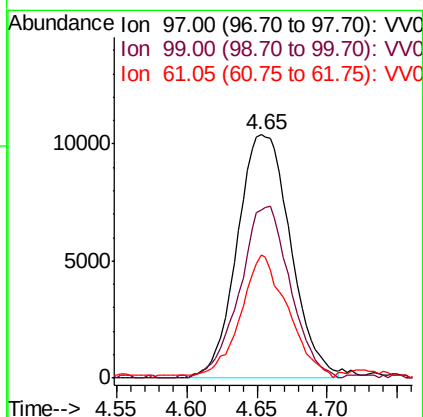
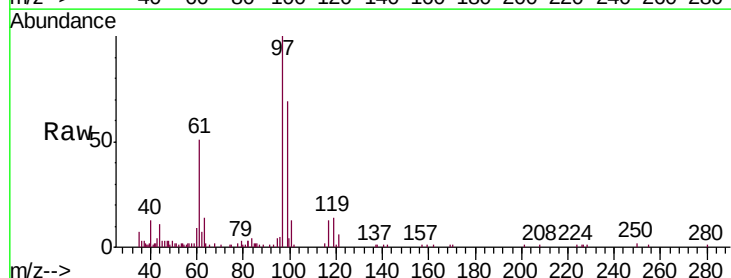
Instrument :
MSVOA_V
ClientSampleId :
MDL02

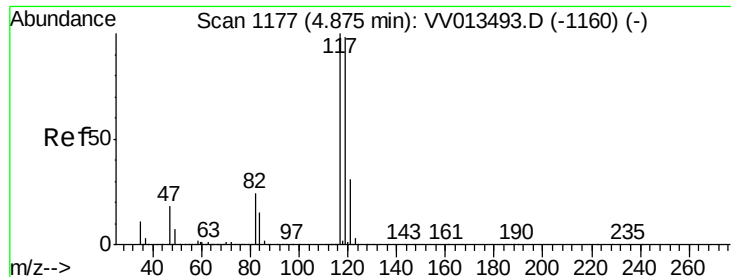
Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.5	23.7	35.5
84	83.2	66.3	99.5



#30
1,1,1-Trichloroethane
Concen: 2.479 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV013499.D
Acq: 06 Nov 2019 15:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.6	52.0	78.0
61	45.1	35.8	53.8





#31

Carbon tetrachloride

Concen: 2.352 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

Instrument :

MSVOA_V

ClientSampled :

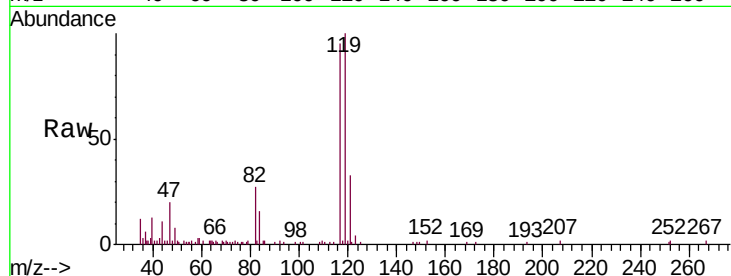
MDL02

Tgt Ion:117 Resp: 23281

Ion Ratio Lower Upper

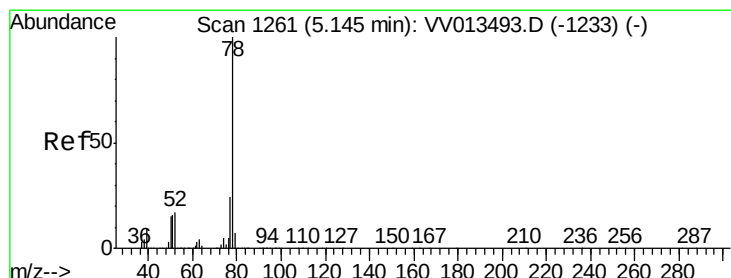
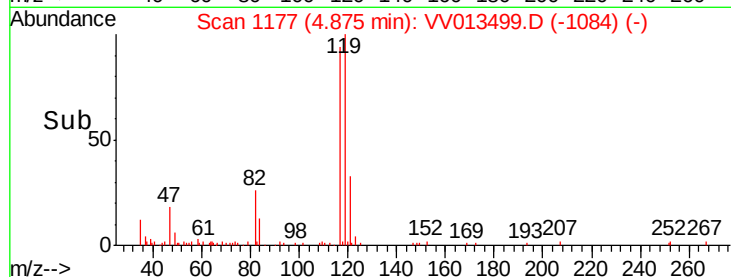
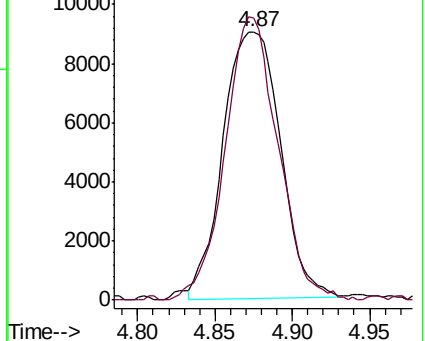
117 100

119 97.3 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.472 ug/L

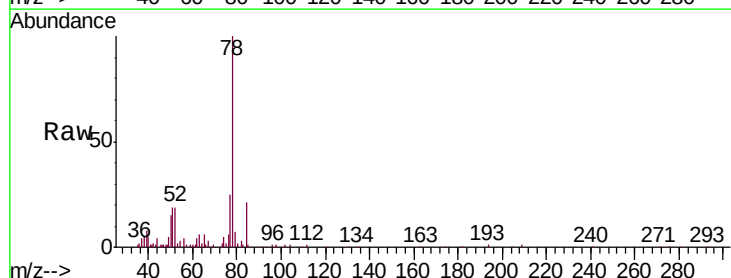
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

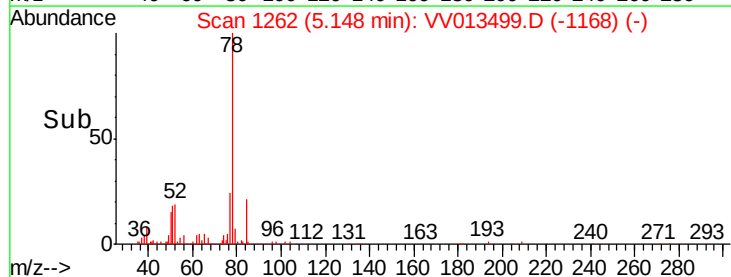
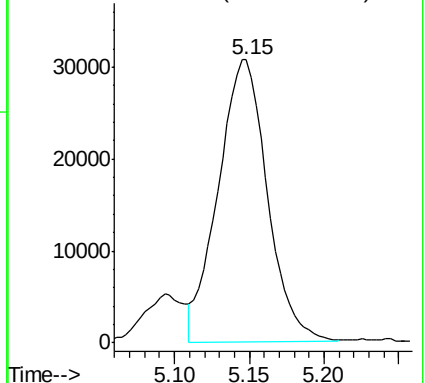
Lab File: VV013499.D

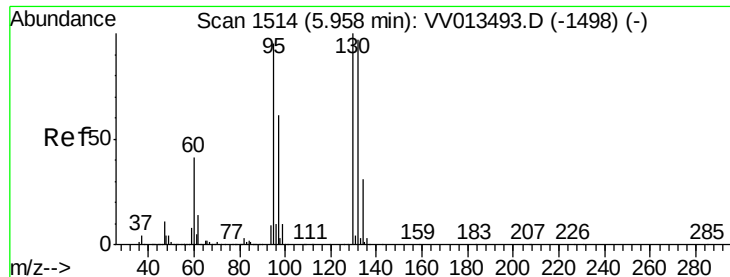
Acq: 06 Nov 2019 15:36

Tgt Ion: 78 Resp: 70015



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 2.672 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tgt Ion: 95 Resp: 20108

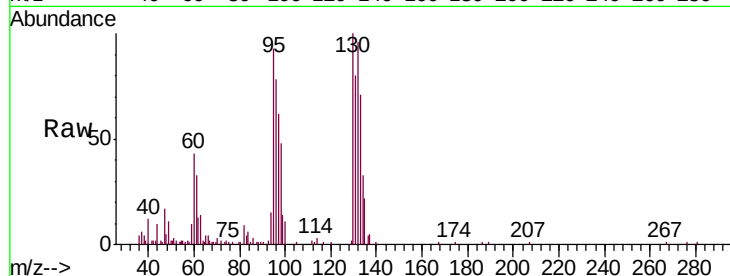
Ion Ratio Lower Upper

95 100

97 66.3 45.1 83.7

132 102.7 71.7 133.1

130 107.0 73.8 137.2

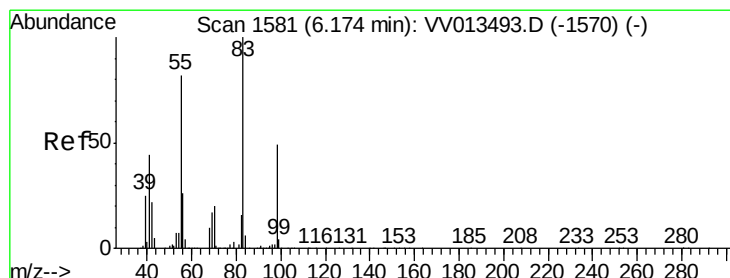
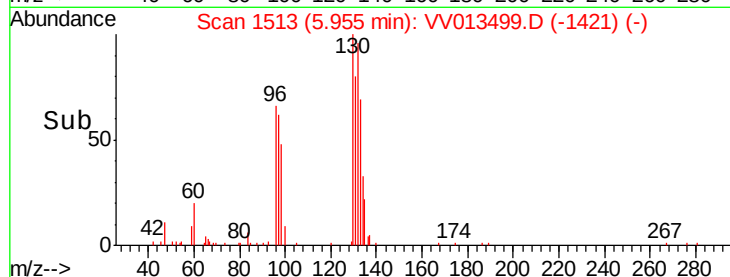
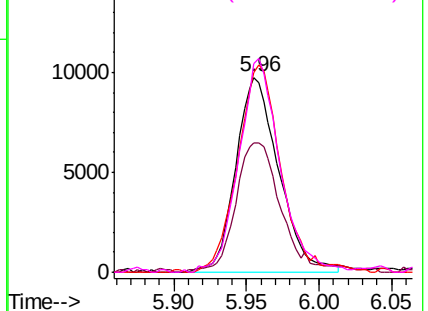


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 2.296 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

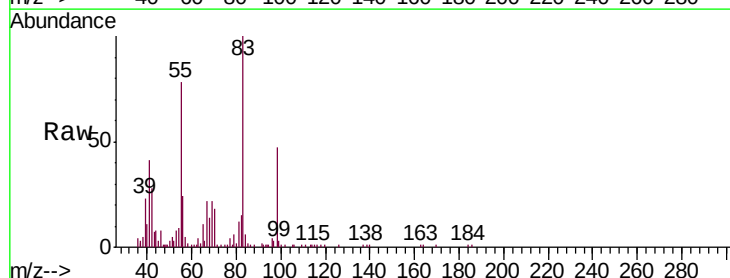
Tgt Ion: 83 Resp: 26639

Ion Ratio Lower Upper

83 100

55 83.9 63.4 95.0

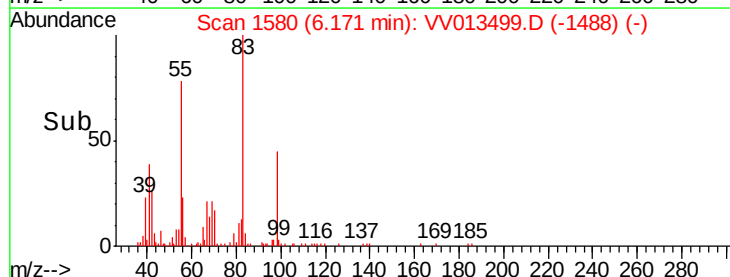
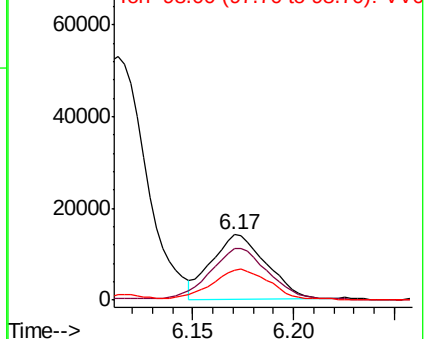
98 52.0 38.6 58.0

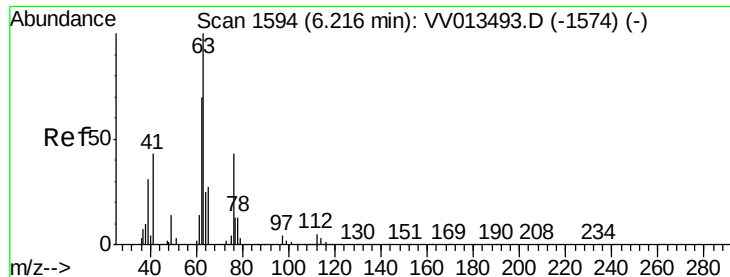


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

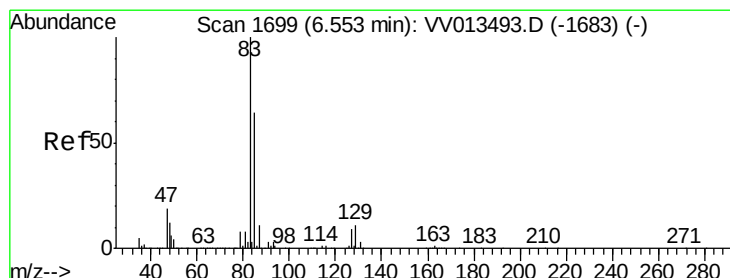
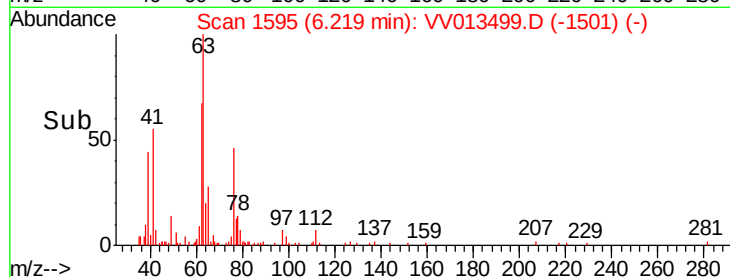
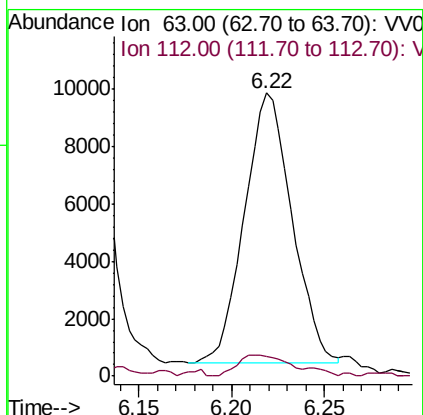
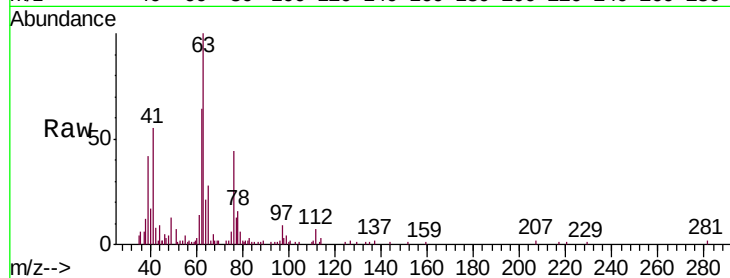




#37
 1,2-Dichloropropane
 Concen: 2.259 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013499.D
 Acq: 06 Nov 2019 15:36

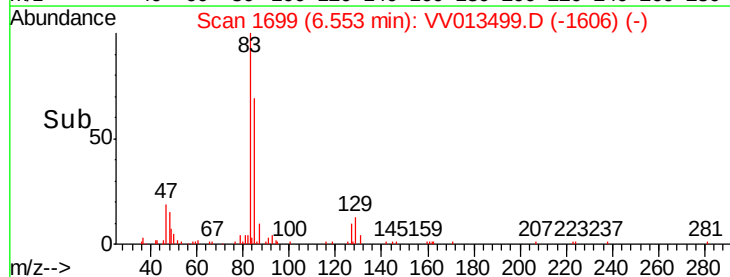
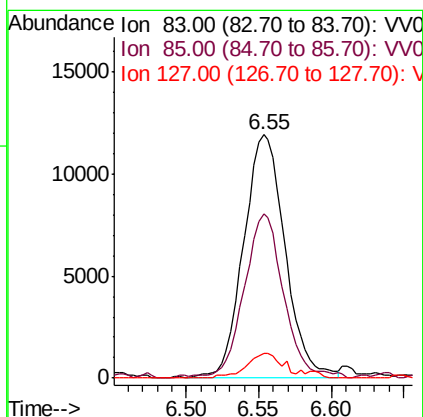
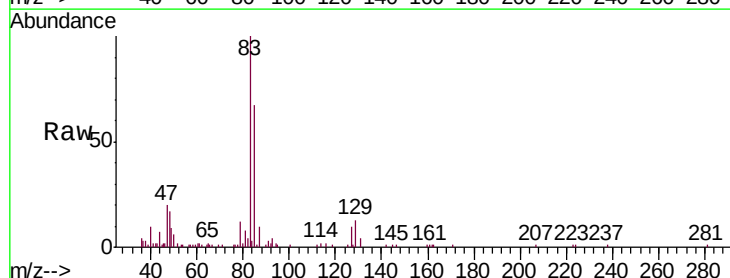
Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

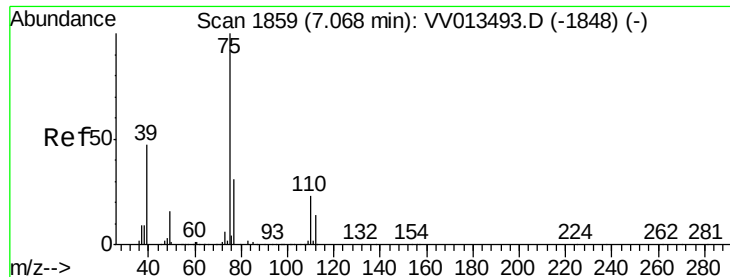
Tgt Ion: 63 Resp: 16842
 Ion Ratio Lower Upper
 63 100
 112 8.0 3.9 5.9#



#38
 Bromodichloromethane
 Concen: 2.430 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013499.D
 Acq: 06 Nov 2019 15:36

Tgt Ion: 83 Resp: 23825
 Ion Ratio Lower Upper
 83 100
 85 67.4 44.8 83.2
 127 9.9 7.1 10.7

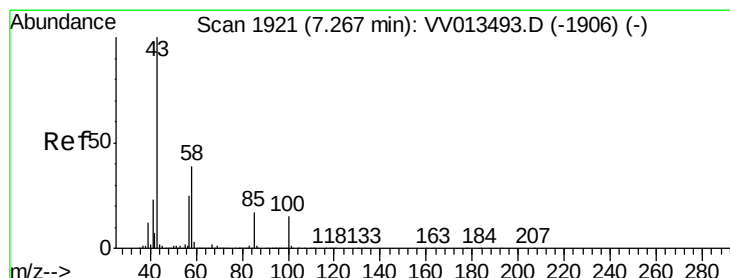
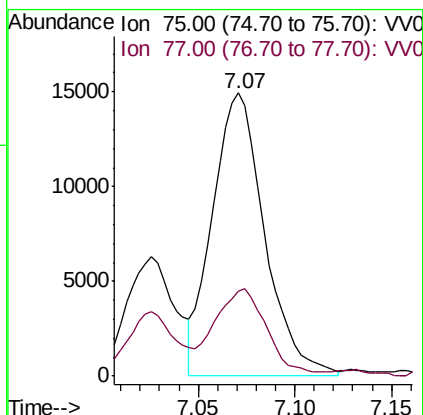
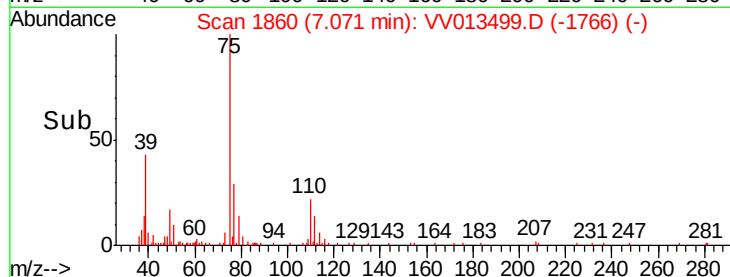
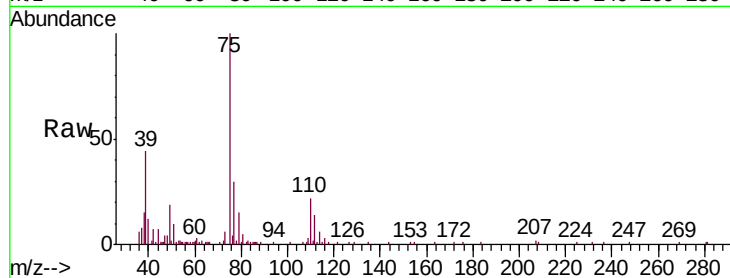




#39
 cis-1,3-Dichloropropene
 Concen: 2.472 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV013499.D
 Acq: 06 Nov 2019 15:36

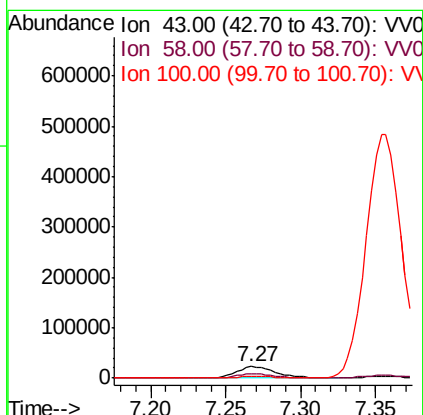
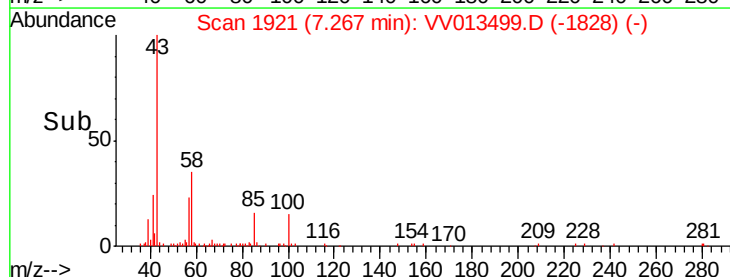
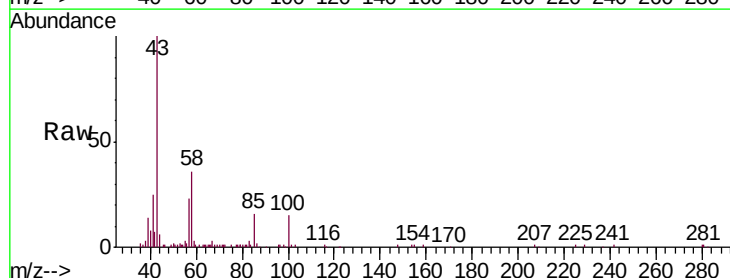
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

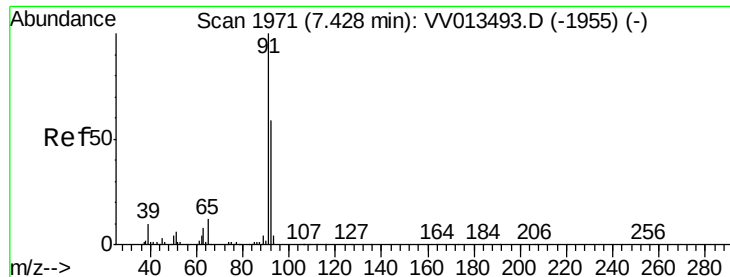
Tgt Ion: 75 Resp: 27998
 Ion Ratio Lower Upper
 75 100
 77 30.1 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 4.325 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VV013499.D
 Acq: 06 Nov 2019 15:36

Tgt Ion: 43 Resp: 41561
 Ion Ratio Lower Upper
 43 100
 58 36.2 31.0 46.4
 100 15.8 12.2 18.2





#42

Toluene

Concen: 2.555 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

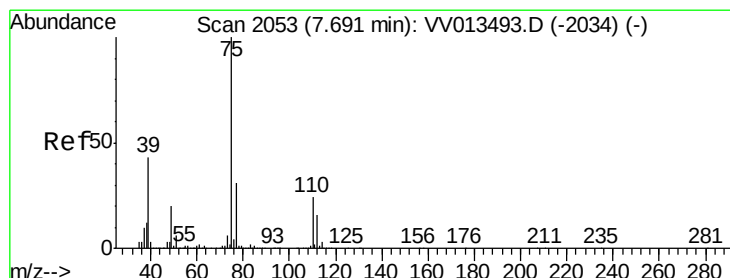
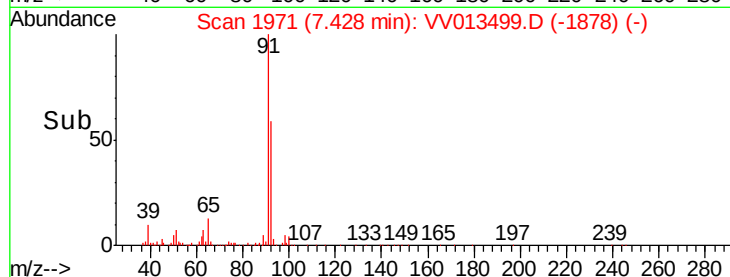
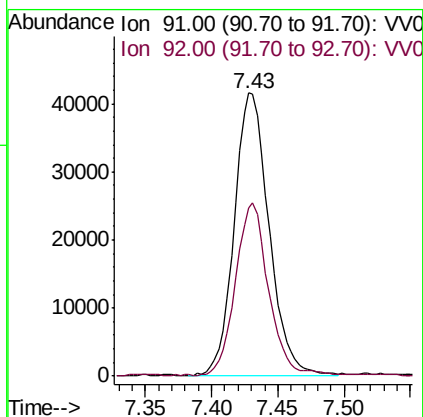
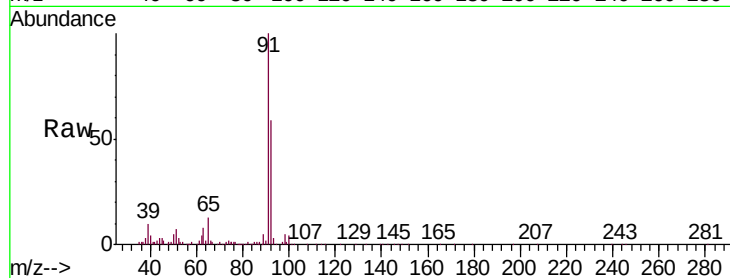
MDL02

Tgt Ion: 91 Resp: 75424

Ion Ratio Lower Upper

91 100

92 59.4 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 2.640 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013499.D

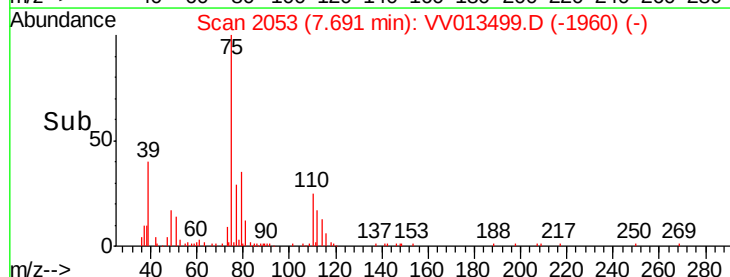
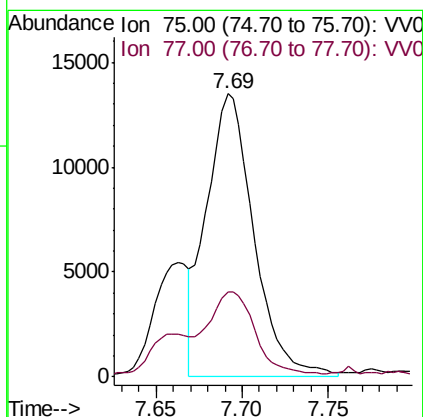
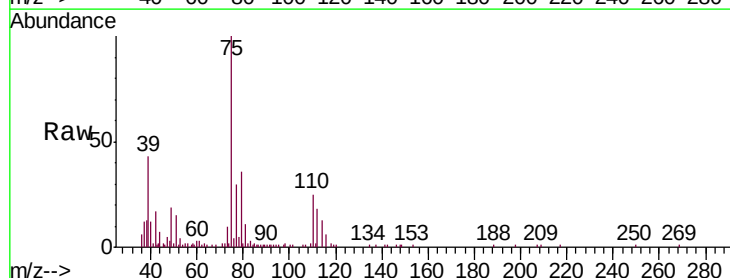
Acq: 06 Nov 2019 15:36

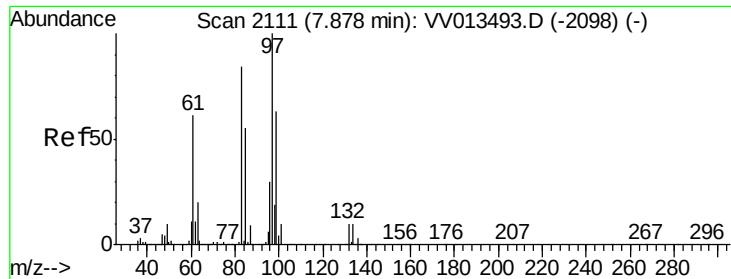
Tgt Ion: 75 Resp: 26021

Ion Ratio Lower Upper

75 100

77 30.0 22.0 41.0

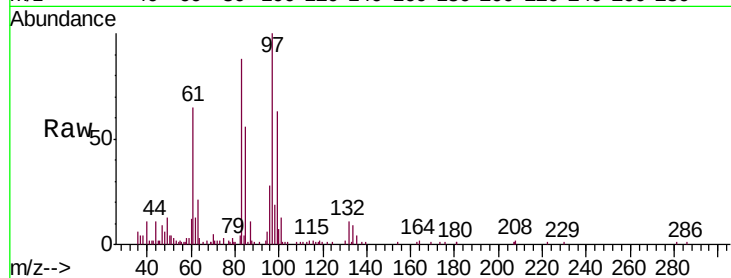




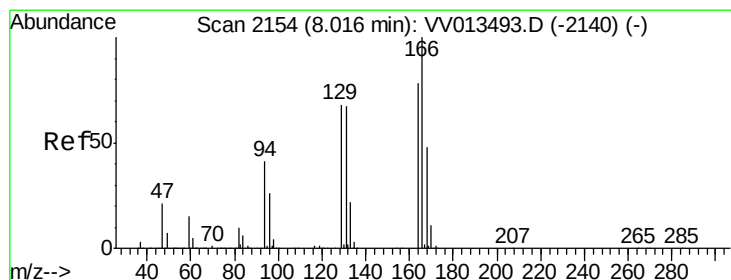
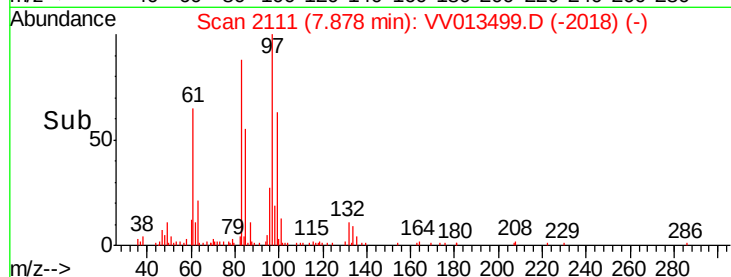
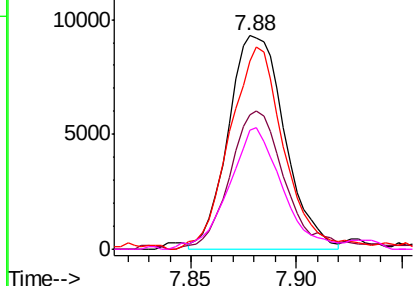
#45
 1,1,2-Trichloroethane
 Concen: 2.474 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV013499.D
 Acq: 06 Nov 2019 15:36

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tgt Ion:	97	Resp:	17273
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.8	81.4
83	88.1	59.1	109.9
85	56.0	38.8	72.0

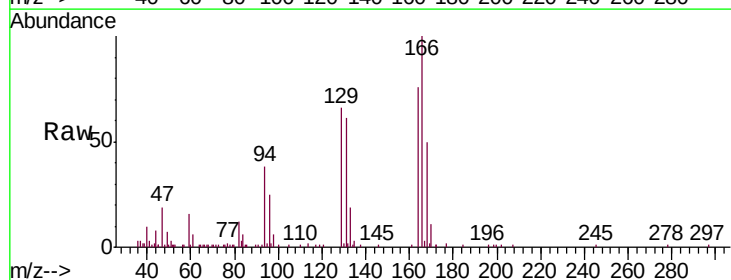


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

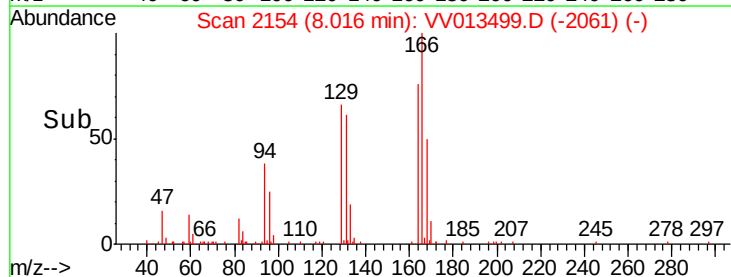
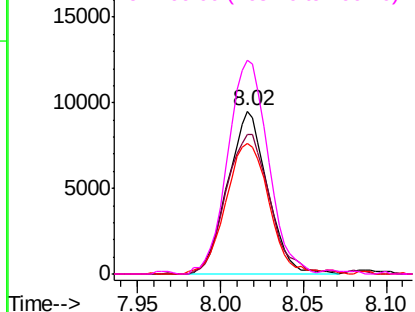


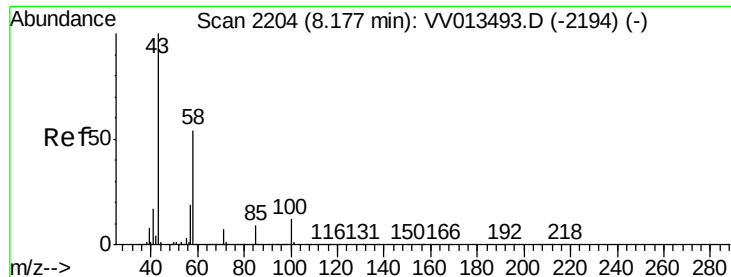
#46
 Tetrachloroethene
 Concen: 2.462 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013499.D
 Acq: 06 Nov 2019 15:36

Tgt Ion:	164	Resp:	15817
Ion	Ratio	Lower	Upper
164	100		
129	85.9	61.5	114.3
131	79.9	60.6	112.6
166	131.0	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

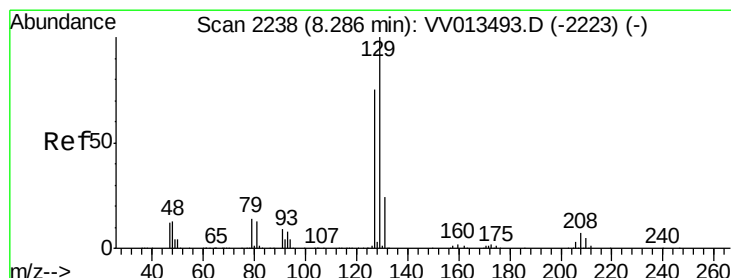
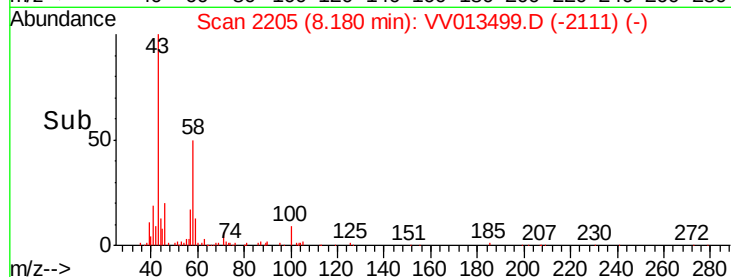
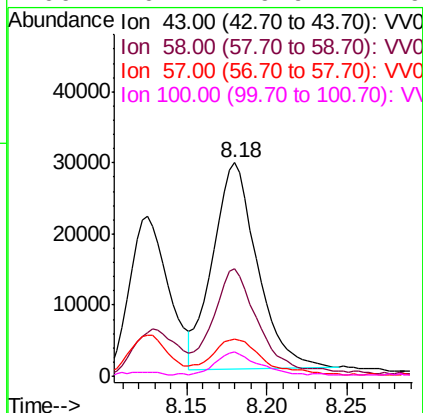
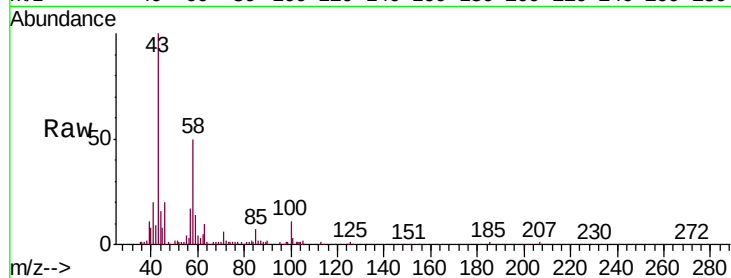




#48
2-Hexanone
Concen: 7.290 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV013499.D
Acq: 06 Nov 2019 15:36

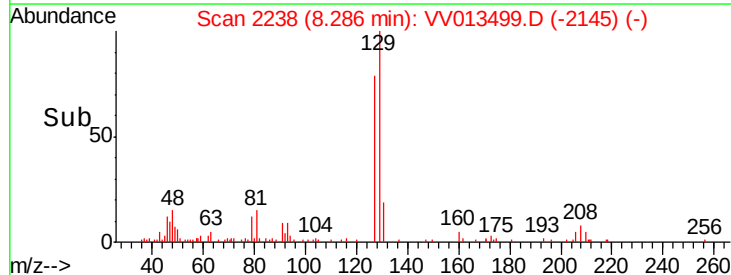
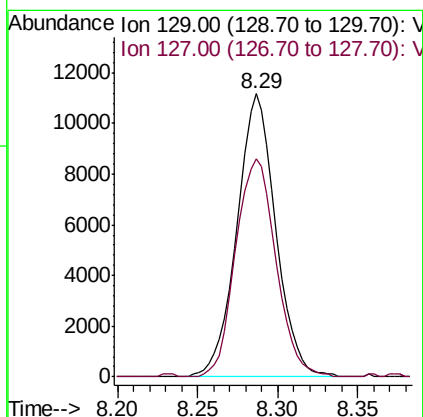
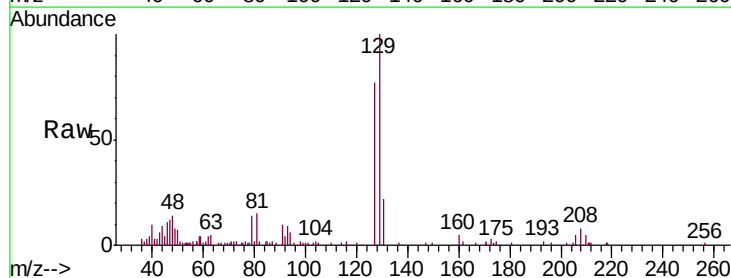
Instrument :
MSVOA_V
ClientSampleId :
MDL02

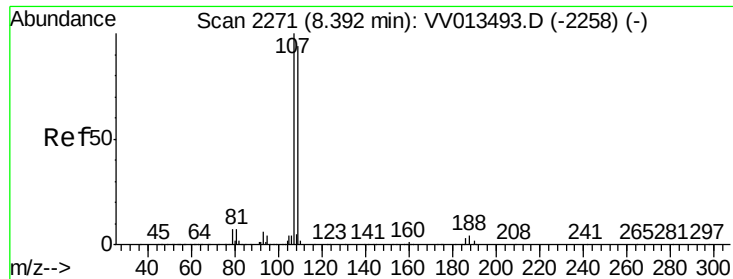
Tgt Ion:	43	Resp:	55326
Ion	Ratio	Lower	Upper
43	100		
58	46.5	43.4	65.0
57	20.5	15.2	22.8
100	10.1	9.9	14.9



#49
Dibromochloromethane
Concen: 2.302 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013499.D
Acq: 06 Nov 2019 15:36

Tgt Ion:	129	Resp:	18477
Ion	Ratio	Lower	Upper
129	100		
127	77.3	52.5	97.5

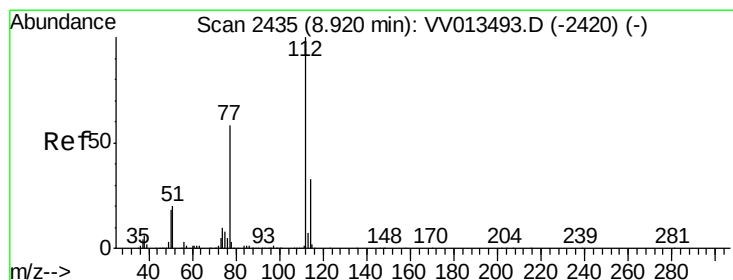
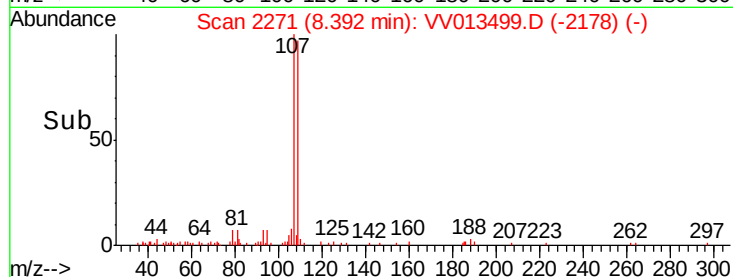
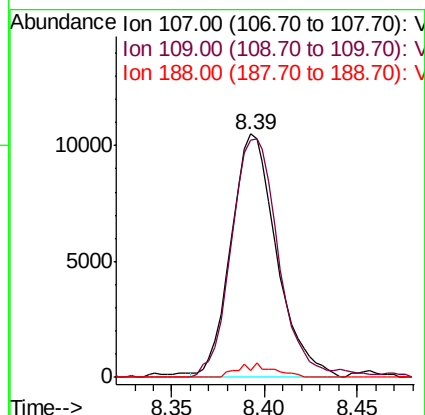
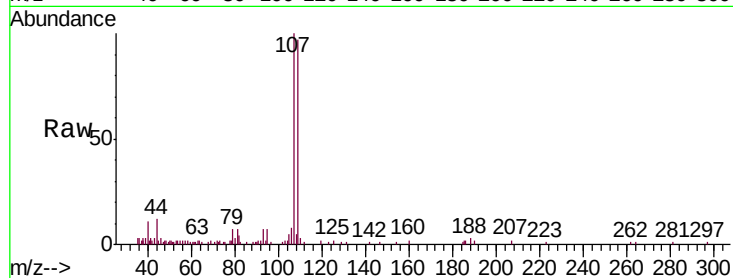




#50
1,2-Dibromoethane
Concen: 2.464 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV013499.D
Acq: 06 Nov 2019 15:36

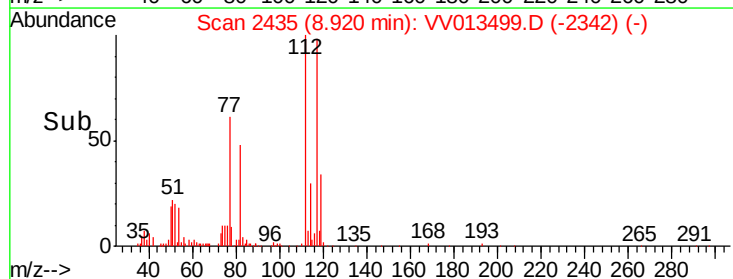
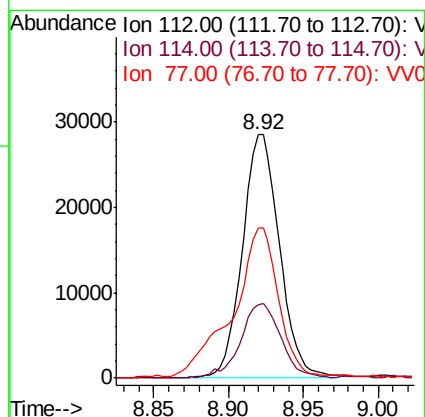
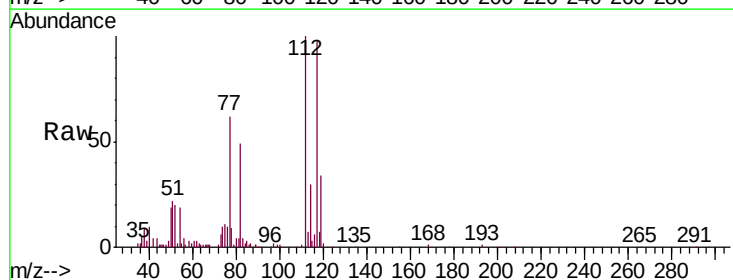
Instrument :
MSVOA_V
ClientSampleId :
MDL02

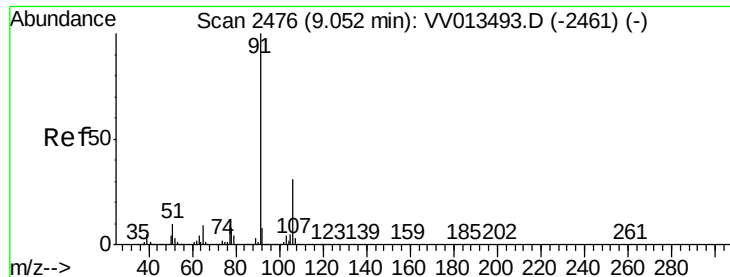
Tgt Ion:107 Resp: 18053
Ion Ratio Lower Upper
107 100
109 97.3 65.7 122.1
188 3.0 3.5 5.3#



#51
Chlorobenzene
Concen: 2.524 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV013499.D
Acq: 06 Nov 2019 15:36

Tgt Ion:112 Resp: 49506
Ion Ratio Lower Upper
112 100
114 30.3 22.8 42.4
77 61.6 46.7 70.1





#52

Ethylbenzene

Concen: 2.326 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

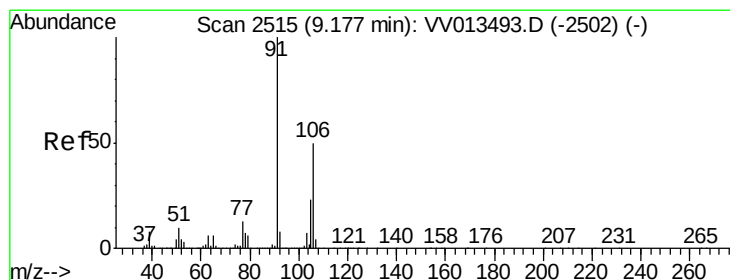
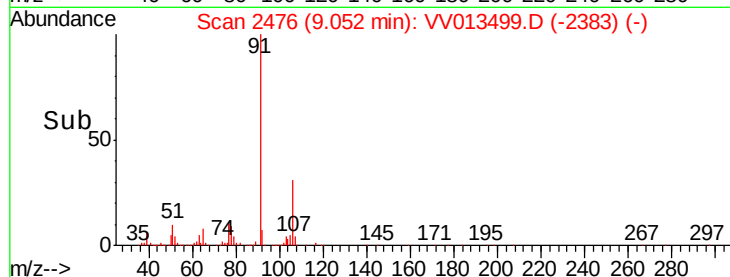
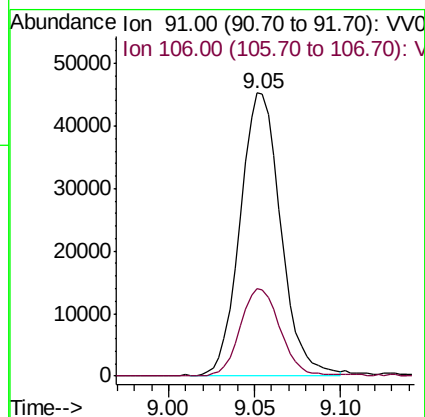
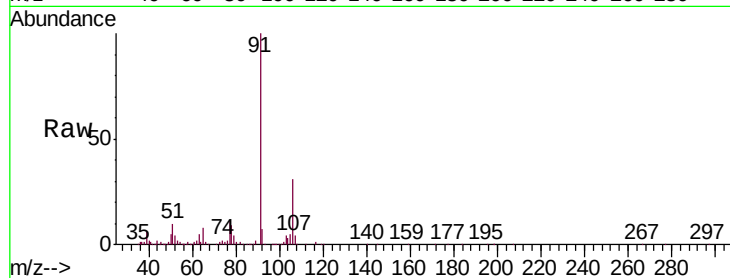
MDL02

Tgt Ion: 91 Resp: 74507

Ion Ratio Lower Upper

91 100

106 30.8 22.0 40.8



#53

m,p-Xylene

Concen: 2.138 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013499.D

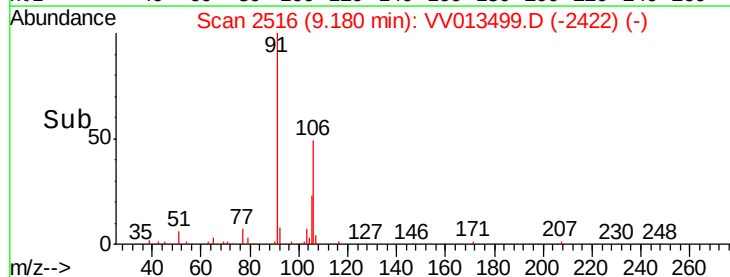
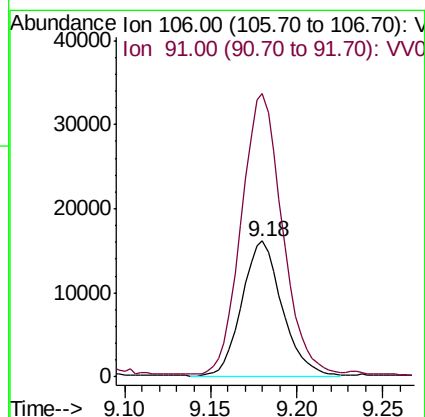
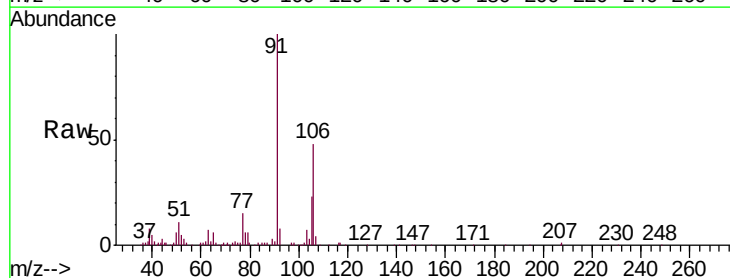
Acq: 06 Nov 2019 15:36

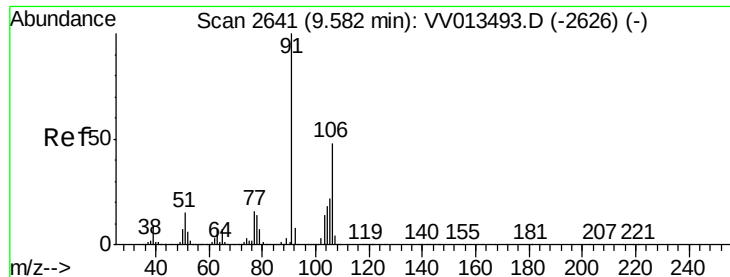
Tgt Ion: 106 Resp: 25990

Ion Ratio Lower Upper

106 100

91 208.8 141.6 263.0





#54

o-xylene

Concen: 2.171 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

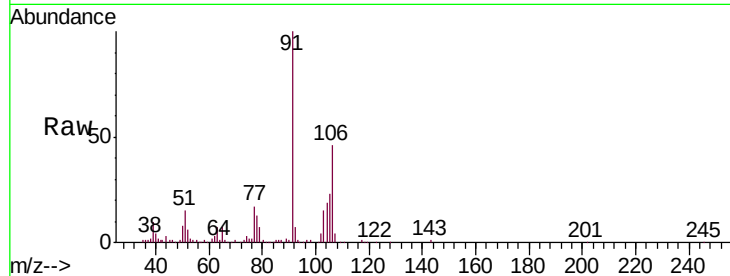
MDL02

Tgt Ion:106 Resp: 25306

Ion Ratio Lower Upper

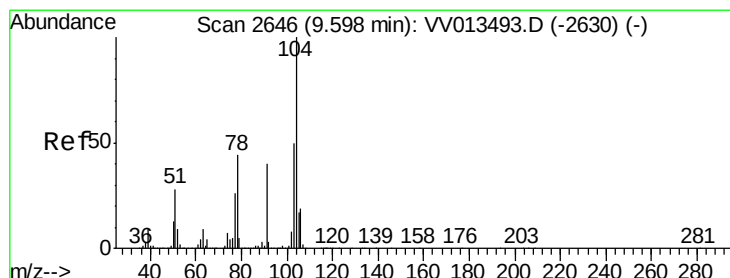
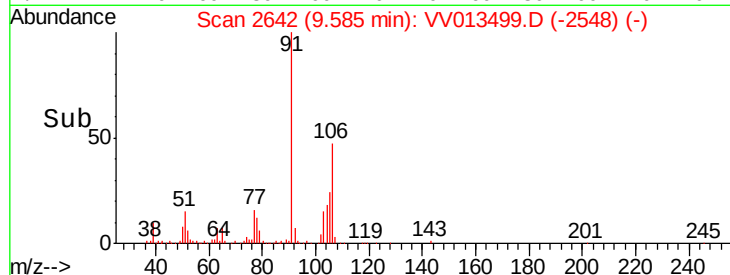
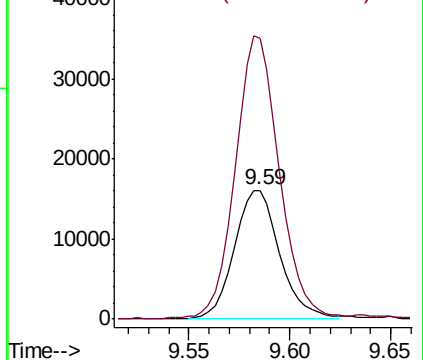
106 100

91 217.8 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 2.022 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013499.D

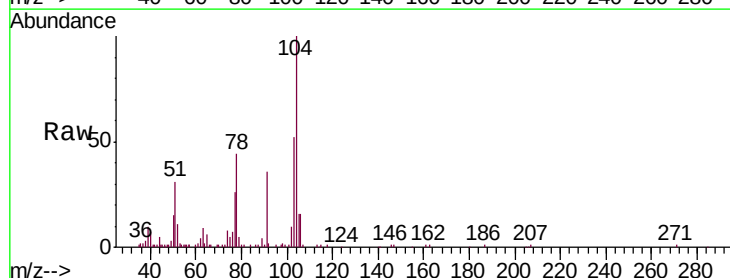
Acq: 06 Nov 2019 15:36

Tgt Ion:104 Resp: 40749

Ion Ratio Lower Upper

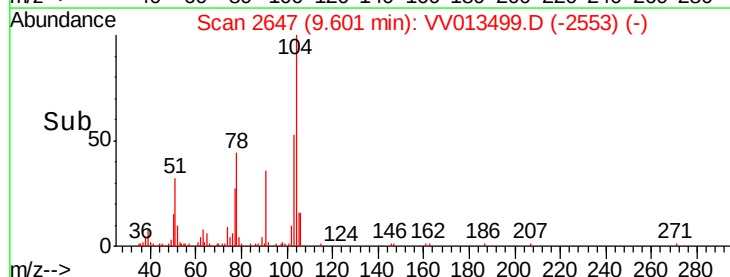
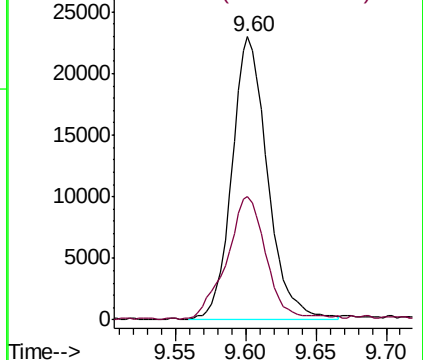
104 100

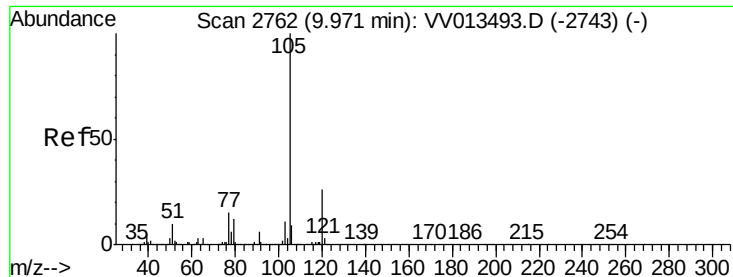
78 43.7 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 2.126 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

Instrument :

MSVOA_V

ClientSampled :

MDL02

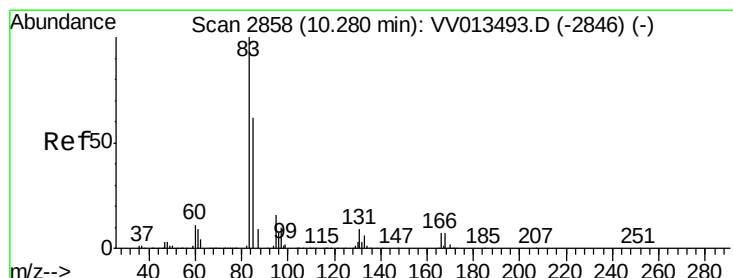
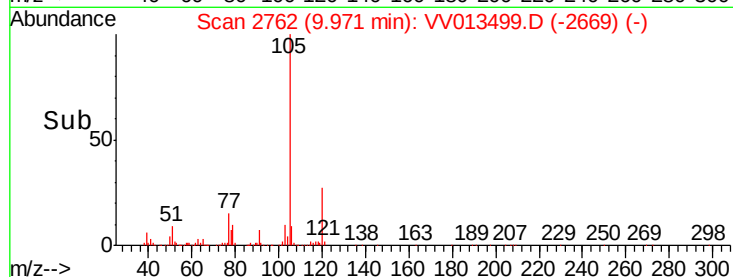
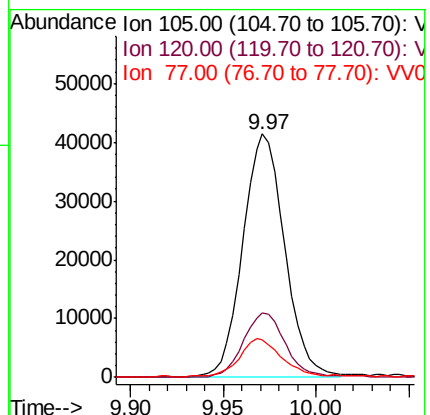
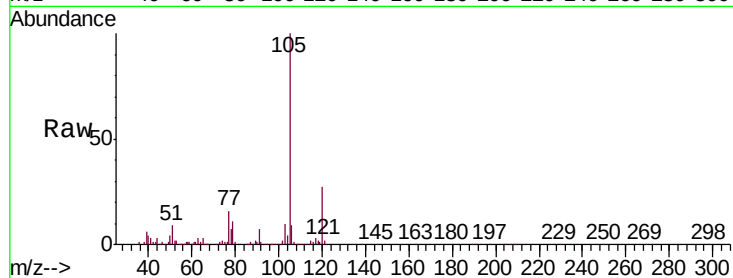
Tgt Ion:105 Resp: 65091

Ion Ratio Lower Upper

105 100

120 26.5 21.1 31.7

77 15.8 12.2 18.4



#58

1,1,2,2-Tetrachloroethane

Concen: 2.518 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

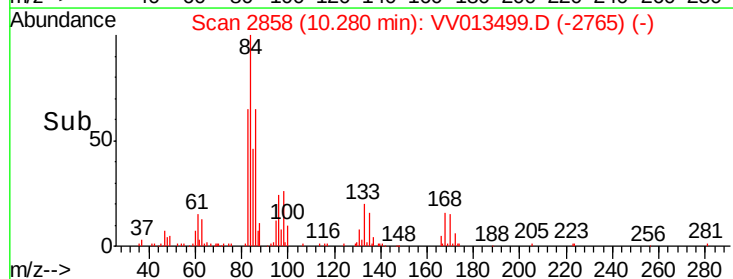
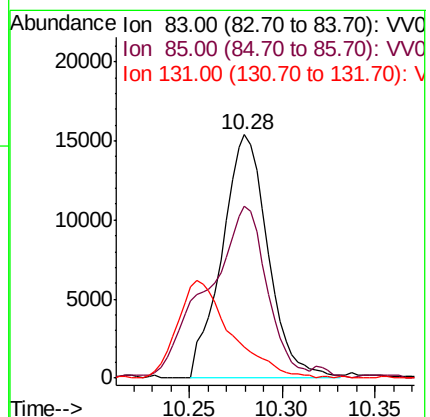
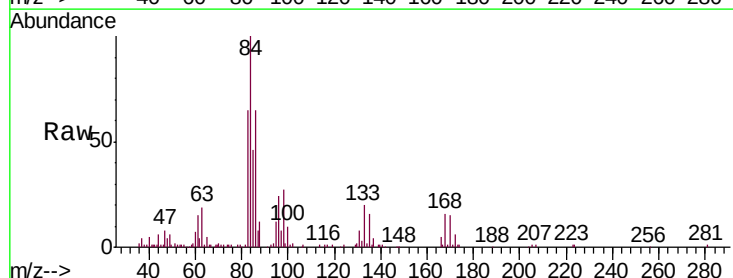
Tgt Ion: 83 Resp: 26542

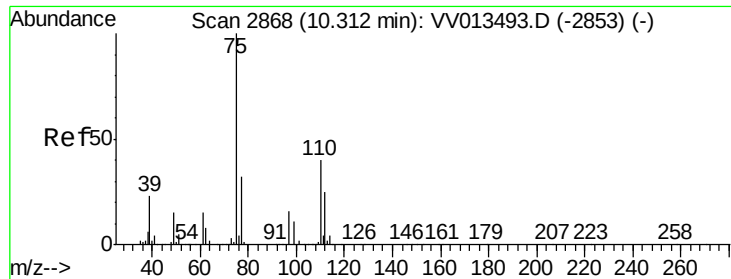
Ion Ratio Lower Upper

83 100

85 70.8 44.0 81.6

131 12.9 7.7 11.5#





#59

1,2,3-Trichloropropane

Concen: 2.445 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

Instrument :

MSVOA_V

ClientSampled :

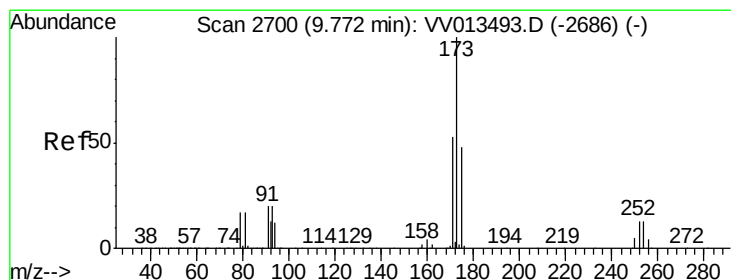
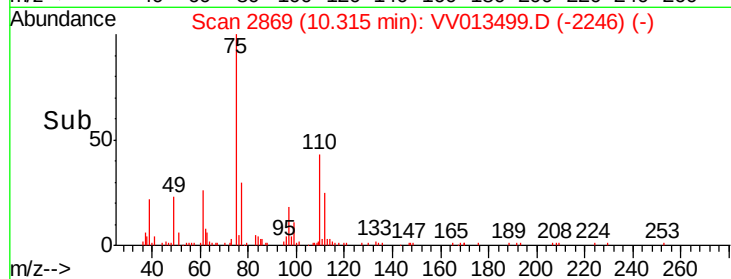
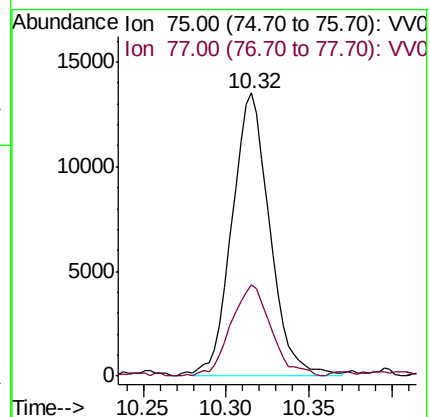
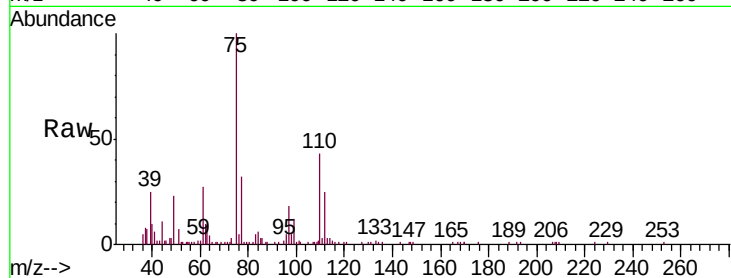
MDL02

Tgt Ion: 75 Resp: 21462

Ion Ratio Lower Upper

75 100

77 34.1 25.4 38.2



#61

Bromoform

Concen: 2.508 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

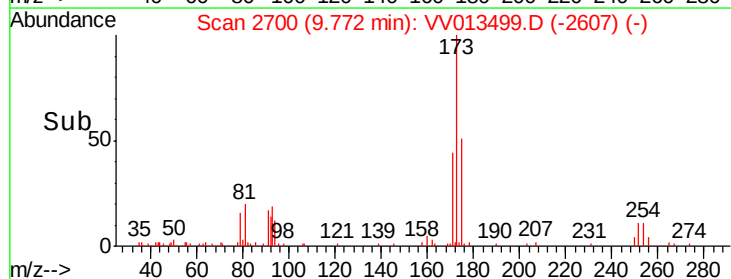
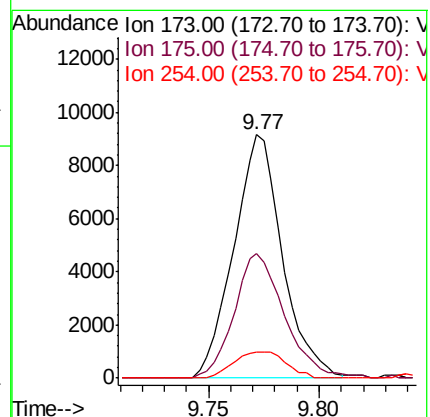
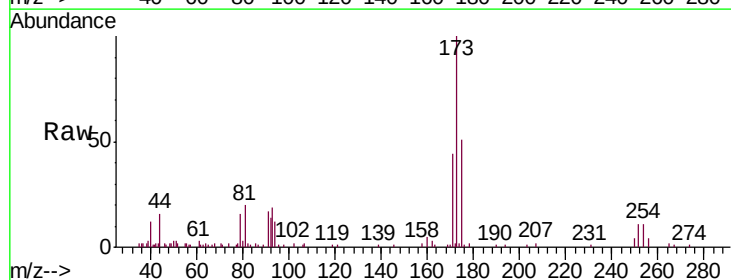
Tgt Ion: 173 Resp: 14026

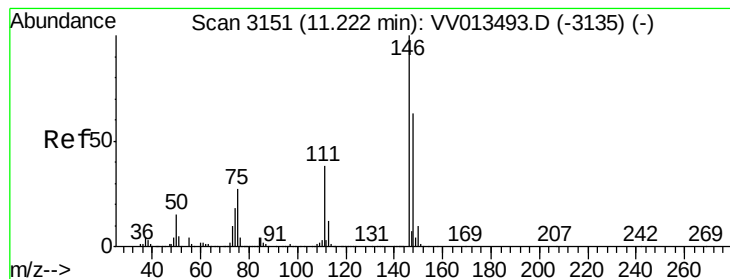
Ion Ratio Lower Upper

173 100

175 52.5 39.0 58.4

254 11.5 10.2 15.2





#62

1,3-Dichlorobenzene

Concen: 2.636 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

MDL02

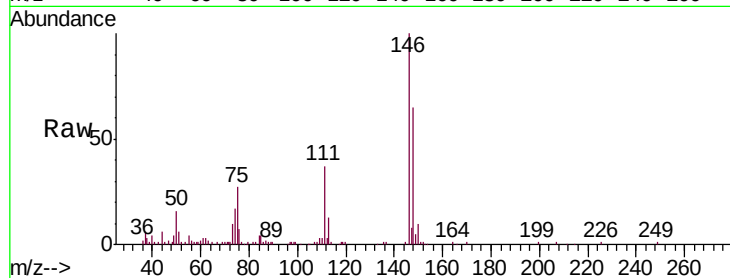
Tgt Ion:146 Resp: 38098

Ion Ratio Lower Upper

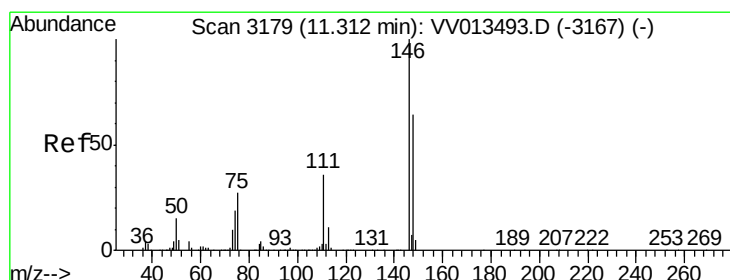
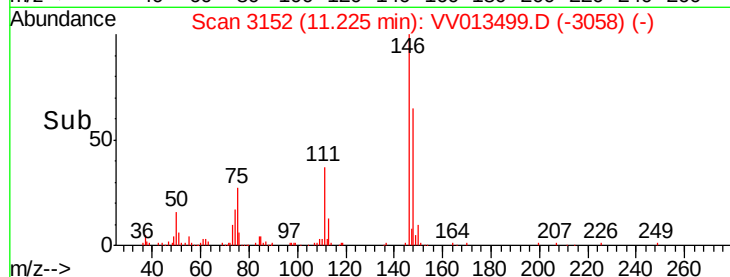
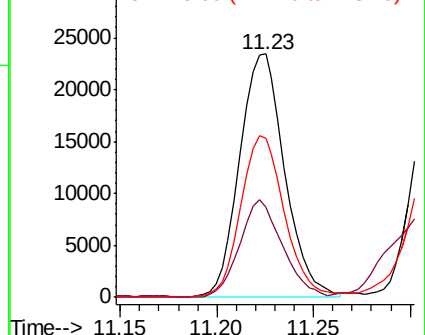
146 100

111 37.2 26.4 49.0

148 65.2 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: 2.858 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

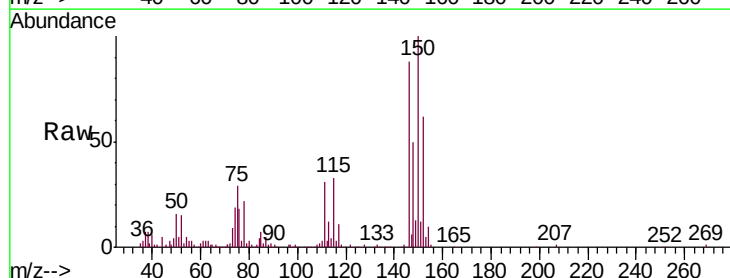
Tgt Ion:146 Resp: 42783

Ion Ratio Lower Upper

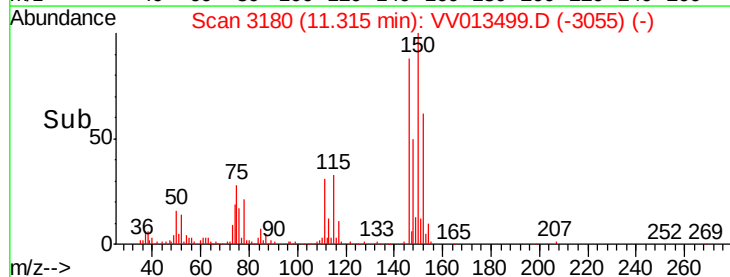
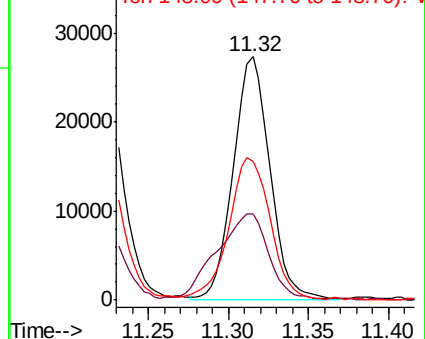
146 100

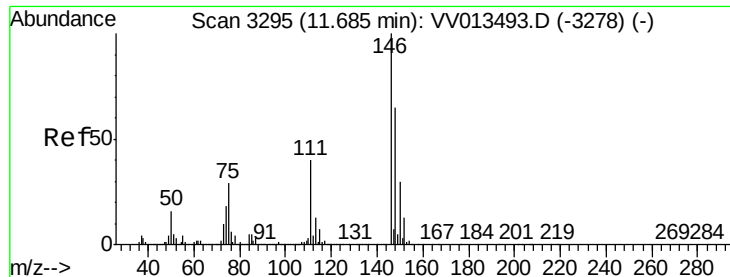
111 35.2 25.5 47.3

148 56.7 44.9 83.5



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





#65

1,2-Dichlorobenzene

Concen: 2.801 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

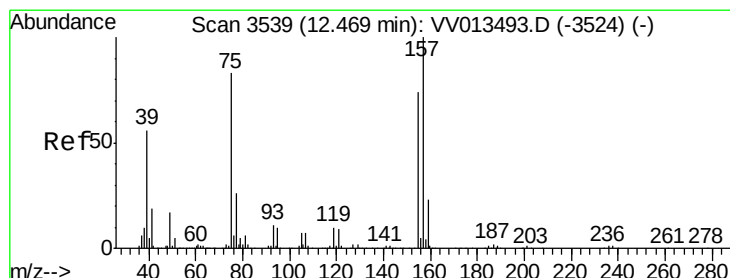
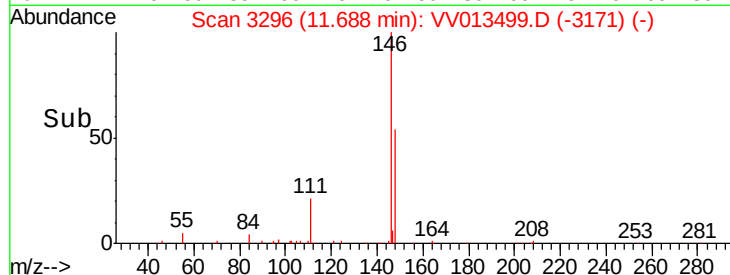
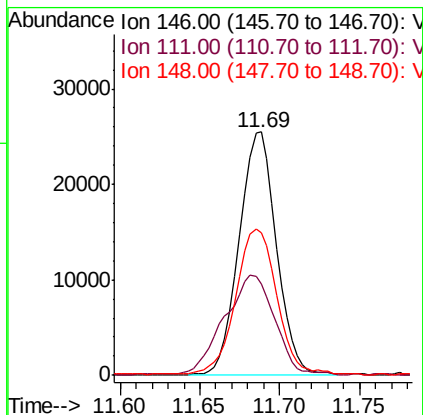
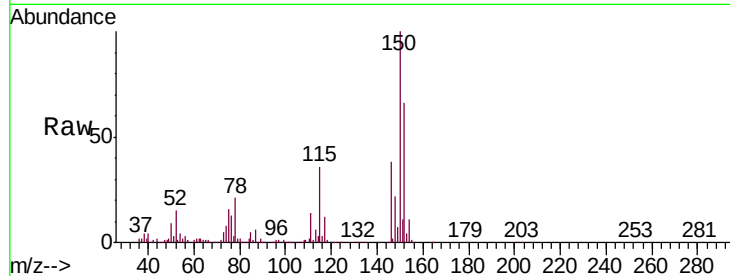
Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tgt Ion:	146	Resp:	40535
Ion	Ratio	Lower	Upper
146	100		
111	37.4	32.1	48.1
148	58.7	52.0	78.0



#66

1,2-Dibromo-3-chloropropane

Concen: 2.306 ug/L

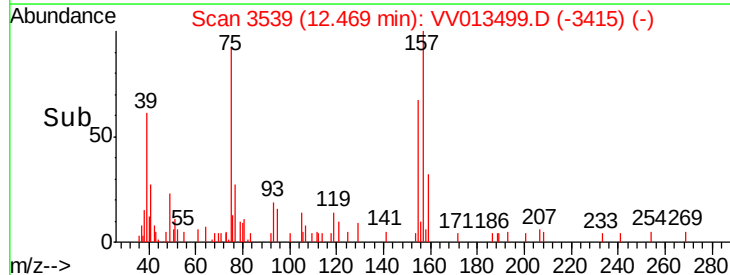
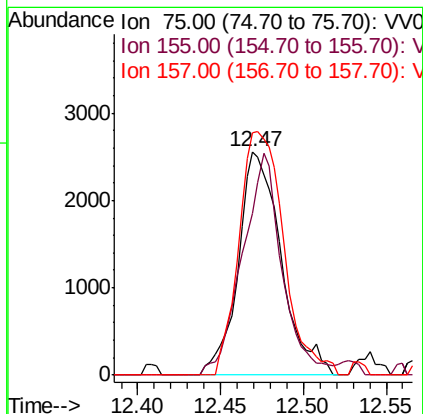
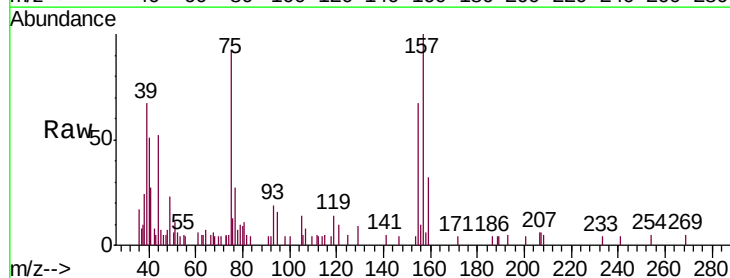
RT: 12.47 min Scan# 3539

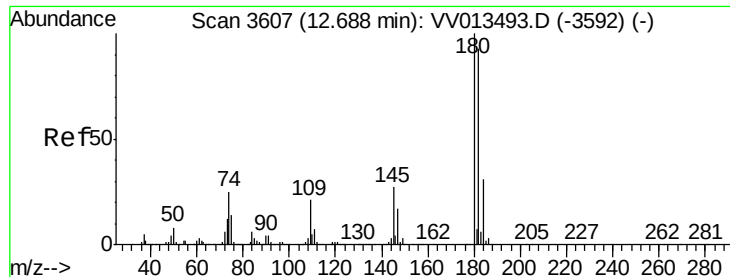
Delta R.T. -0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

Tgt Ion:	75	Resp:	4604
Ion	Ratio	Lower	Upper
75	100		
155	72.4	71.9	107.9
157	108.2	96.6	145.0

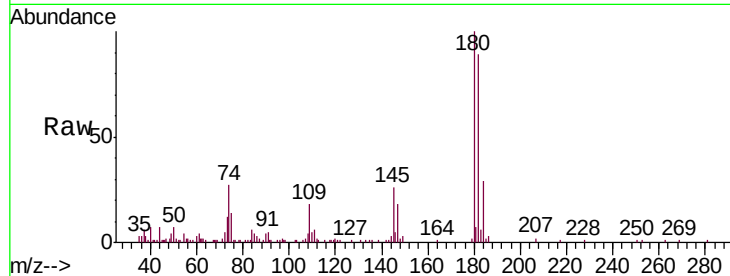




#67
 1,3,5-Trichlorobenzene
 Concen: 2.658 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013499.D
 Acq: 06 Nov 2019 15:36

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tgt Ion:	180	Resp:	30012
Ion	Ratio	Lower	Upper
180	100		
182	90.9	76.2	114.2
184	30.3	24.3	36.5
145	27.5	21.2	31.8



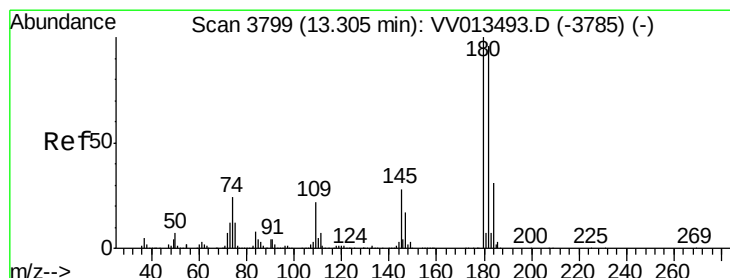
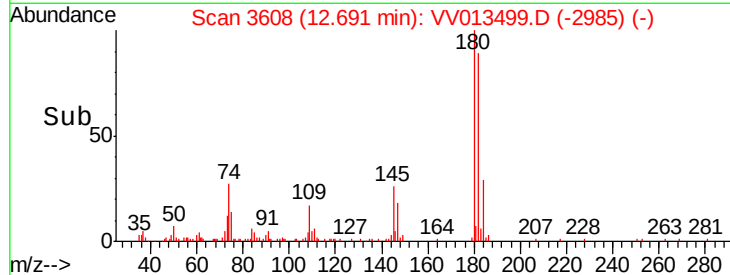
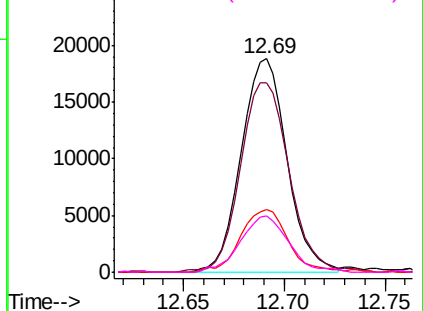
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

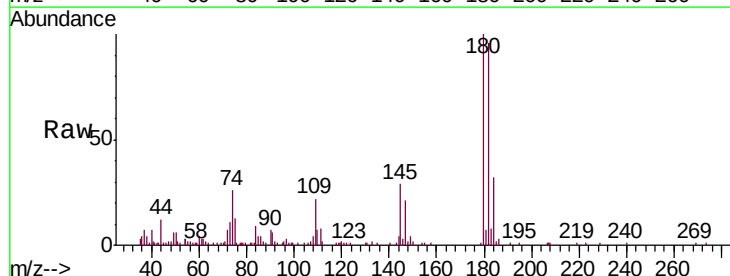
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 2.580 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013499.D
 Acq: 06 Nov 2019 15:36

Tgt Ion:	180	Resp:	25521
Ion	Ratio	Lower	Upper
180	100		
182	98.9	76.4	114.6
145	27.4	22.4	33.6

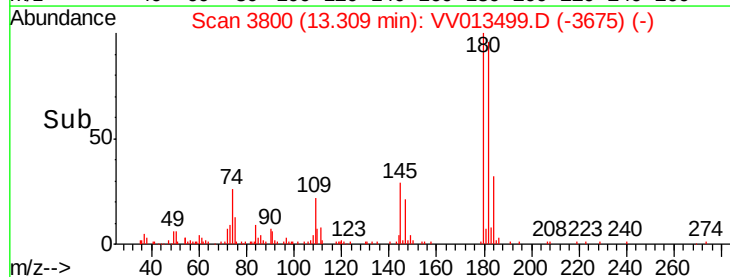
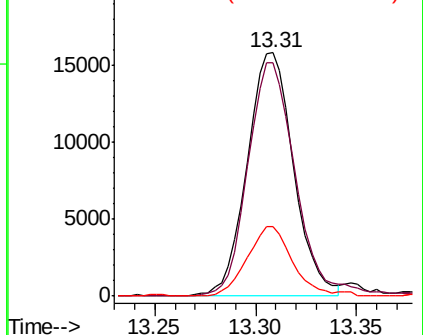


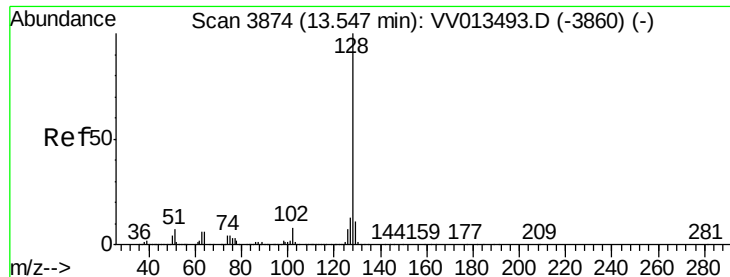
Abundance

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: 2.010 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

MDL02

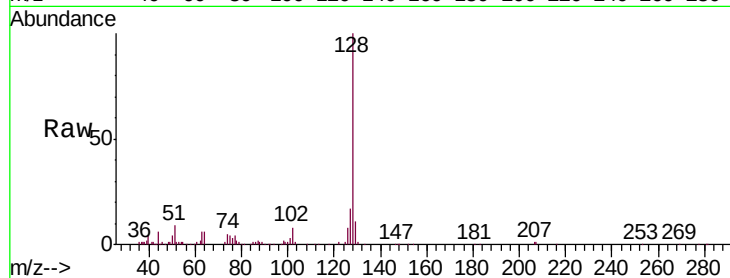
Tgt Ion:128 Resp: 53141

Ion Ratio Lower Upper

128 100

127 16.6 10.6 15.8#

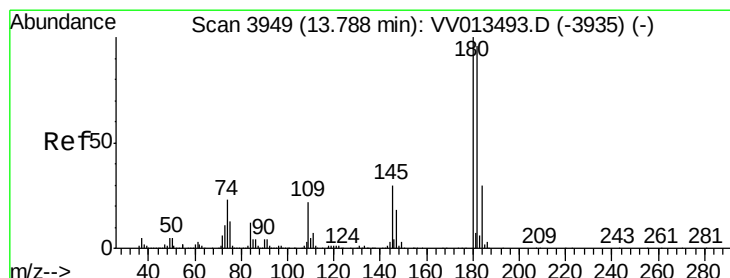
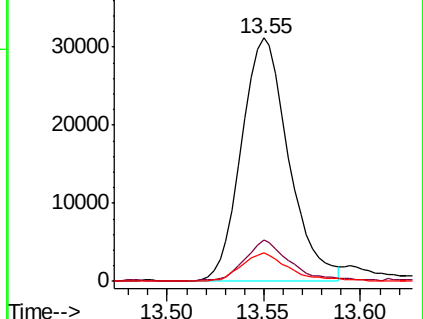
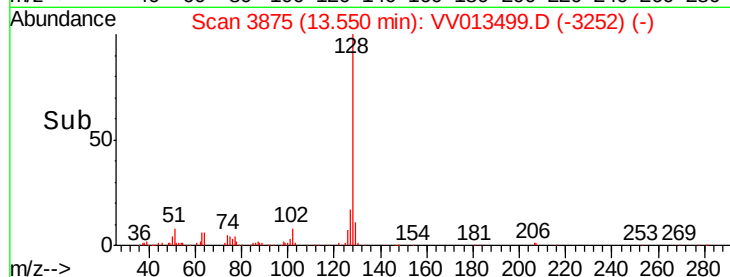
129 11.8 8.6 13.0



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: 2.384 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013499.D

Acq: 06 Nov 2019 15:36

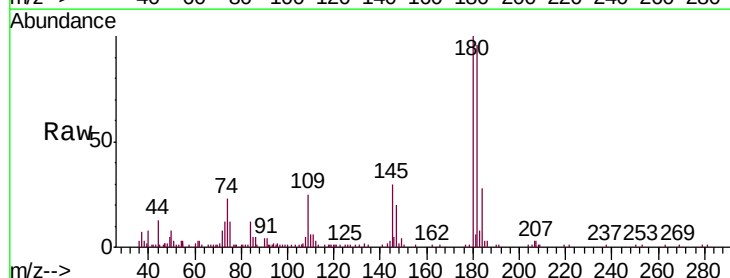
Tgt Ion:180 Resp: 25045

Ion Ratio Lower Upper

180 100

182 96.9 77.4 116.0

145 31.3 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

