

Data File : VV014596.D
Acq On : 17 Feb 2020 16:24
Operator : SY/MD
Sample : MDL05
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Quant Time: Feb 18 06:45:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM021720W.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 18 06:41:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	294548	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	274642	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	135418	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47114	48.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.08%
7) Chloroethane-d5	1.58	69	34848	46.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.78%
11) 1,1-Dichloroethene-d2	2.13	63	66015	36.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.88%
21) 2-Butanone-d5	3.92	46	96004	100.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.56%
24) Chloroform-d	4.40	84	155447	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.10%
26) 1,2-Dichloroethane-d4	5.08	65	102783	50.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.28%
32) Benzene-d6	5.10	84	322445	51.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.11	67	97278	51.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.42%
41) Toluene-d8	7.35	98	305920	51.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.28%
43) trans-1,3-Dichloropropene-	7.66	79	53493	50.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.28%
47) 2-Hexanone-d5	8.13	63	76679	102.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.20%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	136117	51.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.76%
66) 1,2-Dichlorobenzene-d4	11.67	152	120295	52.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.42%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4937	2.412 ug/L	95
3) Chloromethane	1.26	50	3791	2.283 ug/L	89
5) Vinyl chloride	1.32	62	3019	2.327 ug/L #	73
6) Bromomethane	1.53	94	1361	1.931 ug/L	90
8) Chloroethane	1.60	64	1603	2.448 ug/L #	75
9) Trichlorofluoromethane	1.77	101	5135	2.168 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2914	2.962 ug/L #	85
12) 1,1-Dichloroethene	2.14	96	2596	2.799 ug/L #	1
13) Acetone	2.18	43	5000	6.137 ug/L	96
14) Carbon disulfide	2.32	76	10455	2.458 ug/L	99
15) Methyl Acetate	2.46	43	3666	2.371 ug/L #	76
16) Methylene chloride	2.53	84	4769	2.517 ug/L	95
17) trans-1,2-Dichloroethene	2.79	96	4431	2.540 ug/L	88
18) Methyl tert-butyl Ether	2.80	73	13263	2.290 ug/L #	95
19) 1,1-Dichloroethane	3.23	63	7305	2.351 ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	4584	2.235 ug/L	96
22) 2-Butanone	4.03	43	3034	2.446 ug/L	94

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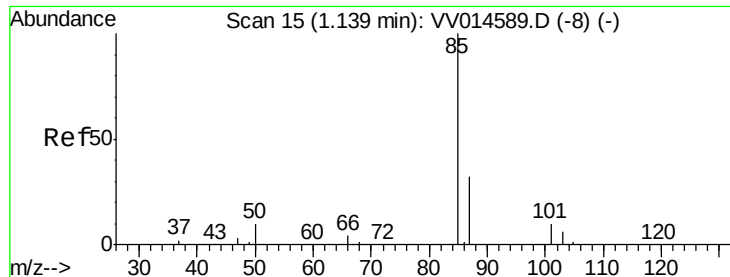
Quant Time: Feb 18 06:45:05 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	2337	2.311	ug/L #	83
25) Chloroform	4.43	83	13432	3.815	ug/L	95
27) 1,2-Dichloroethane	5.18	62	5486	2.083	ug/L	98
29) Cyclohexane	4.73	56	6222	2.360	ug/L #	92
30) 1,1,1-Trichloroethane	4.66	97	7121	2.321	ug/L	95
31) Carbon tetrachloride	4.88	117	6328	2.313	ug/L	99
33) Benzene	5.15	78	16636	2.345	ug/L	100
34) Trichloroethene	5.96	95	4914	2.540	ug/L	93
35) Methylcyclohexane	6.18	83	7132	2.370	ug/L	98
37) 1,2-Dichloropropane	6.23	63	3773	2.193	ug/L #	92
38) Bromodichloromethane	6.55	83	6241	2.329	ug/L #	90
39) cis-1,3-Dichloropropene	7.07	75	6239	2.044	ug/L	89
40) 4-Methyl-2-pentanone	7.27	43	9444	4.389	ug/L	99
42) Toluene	7.43	91	18931	2.422	ug/L	92
44) trans-1,3-Dichloropropene	7.69	75	6012	2.114	ug/L	88
45) 1,1,2-Trichloroethane	7.88	97	4362	2.356	ug/L	92
46) Tetrachloroethene	8.01	164	3734	2.413	ug/L	86
48) 2-Hexanone	8.18	43	9090	5.411	ug/L #	74
49) Dibromochloromethane	8.28	129	4812	2.145	ug/L	91
50) 1,2-Dibromoethane	8.39	107	4666	2.293	ug/L #	95
51) Chlorobenzene	8.92	112	12374	2.341	ug/L	94
52) Ethylbenzene	9.05	91	21295	2.370	ug/L	99
53) m,p-Xylene	9.18	106	7942	2.285	ug/L	96
54) o-Xylene	9.58	106	8046	2.404	ug/L	96
55) Styrene	9.60	104	11455	2.010	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.28	83	7625	2.587	ug/L	95
59) Bromoform	9.77	173	3217	2.105	ug/L #	92
60) Isopropylbenzene	9.97	105	20094	2.338	ug/L	97
61) 1,2,3-Trichloropropane	10.31	75	5384	2.386	ug/L	95
62) 1,3,5-Trimethylbenzene	10.58	105	16320	2.223	ug/L	97
63) 1,2,4-Trimethylbenzene	10.95	105	15239	2.125	ug/L	96
64) 1,3-Dichlorobenzene	11.22	146	10163	2.467	ug/L	92
65) 1,4-Dichlorobenzene	11.31	146	10469	2.481	ug/L	97
67) 1,2-Dichlorobenzene	11.68	146	9624	2.374	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.48	75	1553	2.290	ug/L	87
69) 1,3,5-Trichlorobenzene	12.69	180	6502	2.185	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	5811	2.160	ug/L	94
71) Naphthalene	13.55	128	15591	1.893	ug/L	98
72) 1,2,3-Trichlorobenzene	13.79	180	5404	2.058	ug/L	94

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

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#2

Dichlorodifluoromethane

Concen: 2.412 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

Instrument :

MSVOA_V

ClientSampleId :

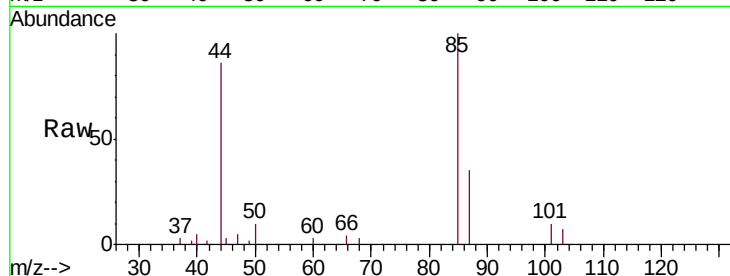
MDL05

Tgt Ion: 85 Resp: 4937

Ion Ratio Lower Upper

85 100

87 35.8 26.2 39.4

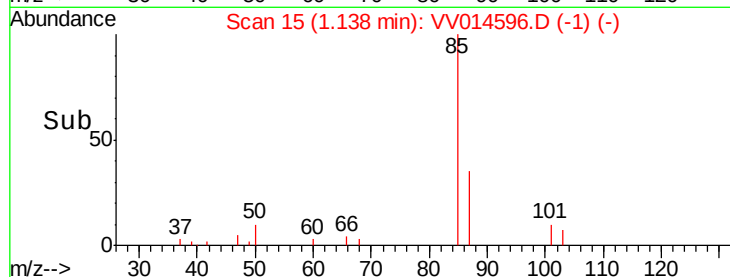


Abundance Ion 85.00 (84.70 to 85.70): VV014589.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014589.D (-8) (-)

1.14

Time-->

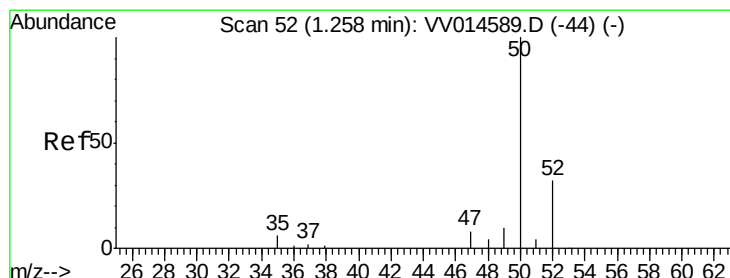


Abundance Ion 85.00 (84.70 to 85.70): VV014596.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV014596.D (-1) (-)

1.14

Time-->



#3

Chloromethane

Concen: 2.283 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014596.D

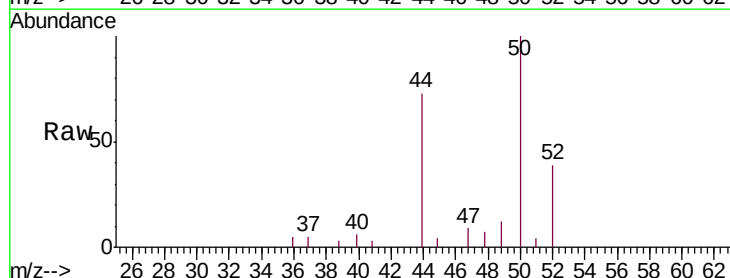
Acq: 17 Feb 2020 16:24

Tgt Ion: 50 Resp: 3791

Ion Ratio Lower Upper

50 100

52 38.5 22.6 42.0

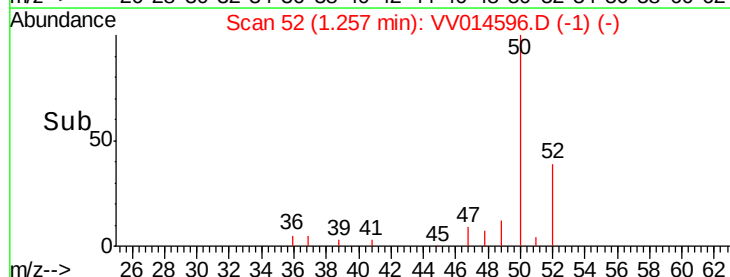


Abundance Ion 50.00 (49.70 to 50.70): VV014589.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV014589.D (-44) (-)

1.26

Time-->

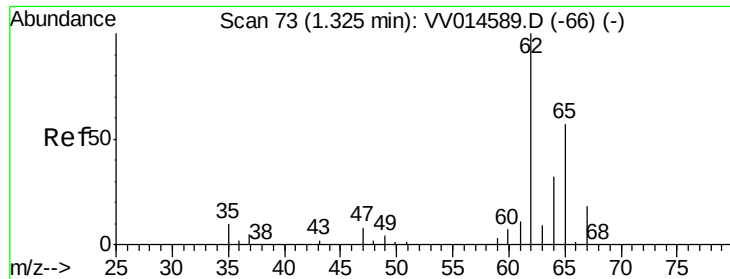


Abundance Ion 50.00 (49.70 to 50.70): VV014596.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV014596.D (-1) (-)

1.26

Time-->



#5

Vinyl chloride

Concen: 2.327 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

Instrument :

MSVOA_V

ClientSampled :

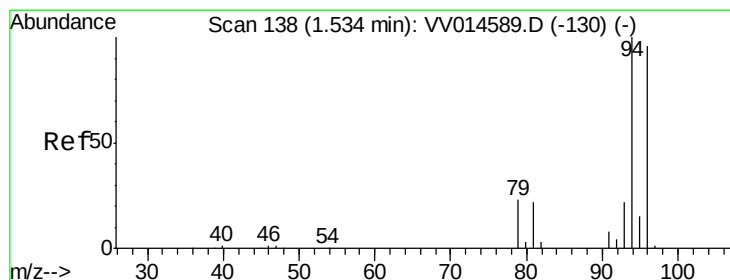
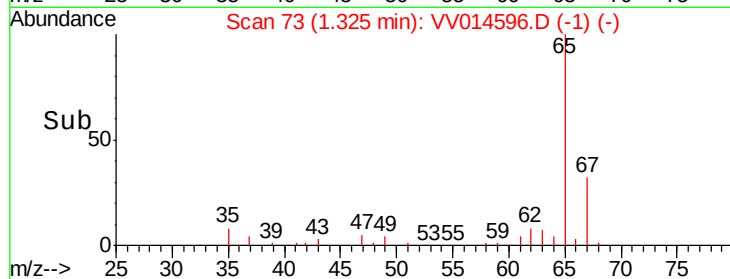
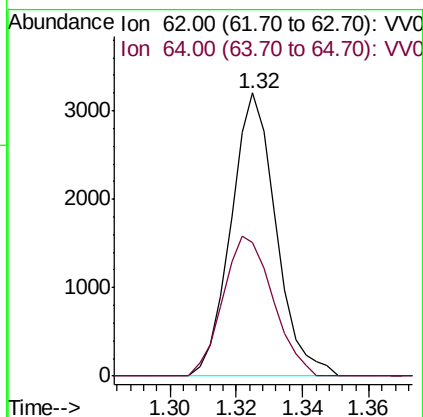
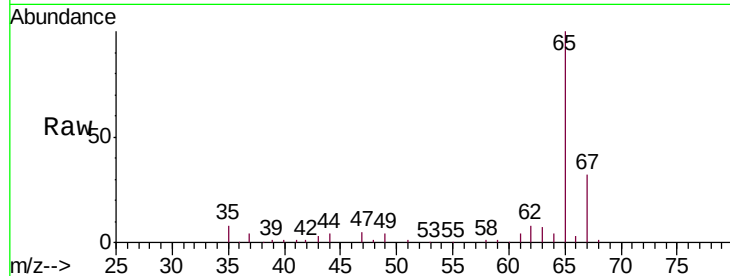
MDL05

Tgt Ion: 62 Resp: 3019

Ion Ratio Lower Upper

62 100

64 47.4 22.6 42.0#



#6

Bromomethane

Concen: 1.931 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014596.D

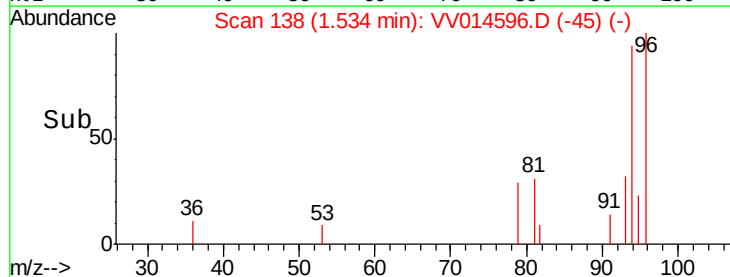
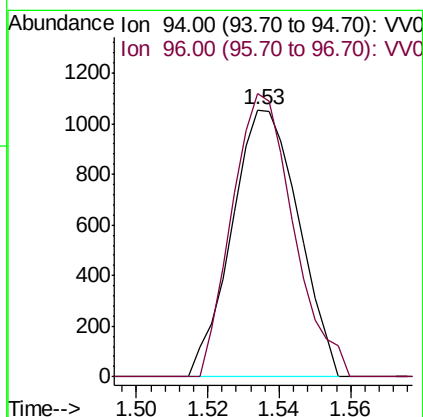
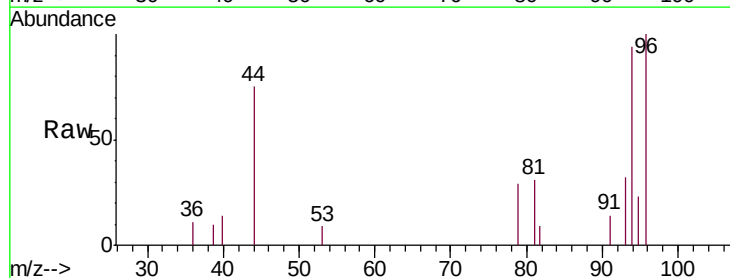
Acq: 17 Feb 2020 16:24

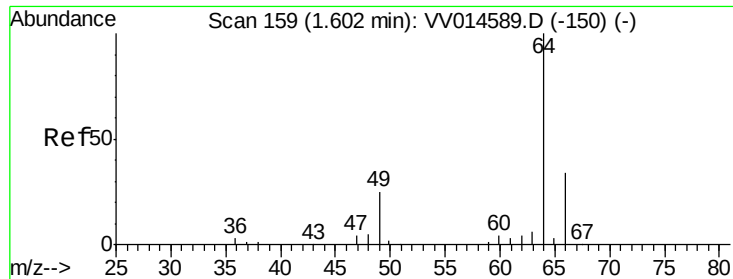
Tgt Ion: 94 Resp: 1361

Ion Ratio Lower Upper

94 100

96 106.1 67.4 125.2





#8

Chloroethane

Concen: 2.448 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

Instrument :

MSVOA_V

ClientSampleId :

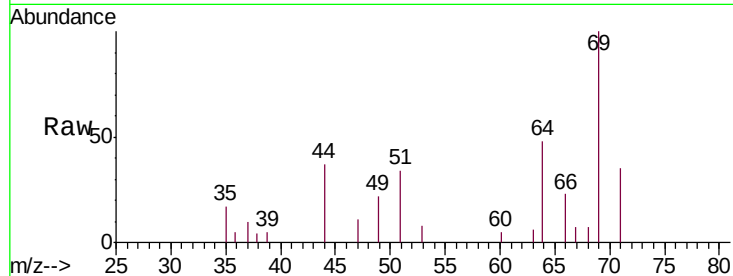
MDL05

Tgt Ion: 64 Resp: 1603

Ion Ratio Lower Upper

64 100

66 47.9 23.6 43.8#



Abundance Ion 64.00 (63.70 to 64.70): VV014589.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV014589.D (-150) (-)

1.60

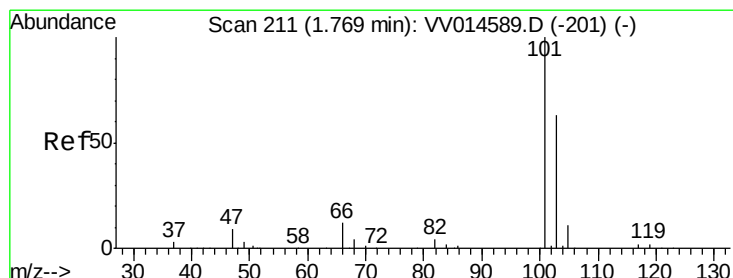
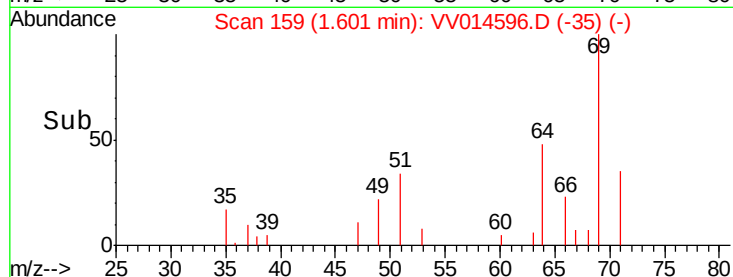
1000

500

0

1.56 1.58 1.60 1.62 1.64

Time-->



#9

Trichlorofluoromethane

Concen: 2.168 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014596.D

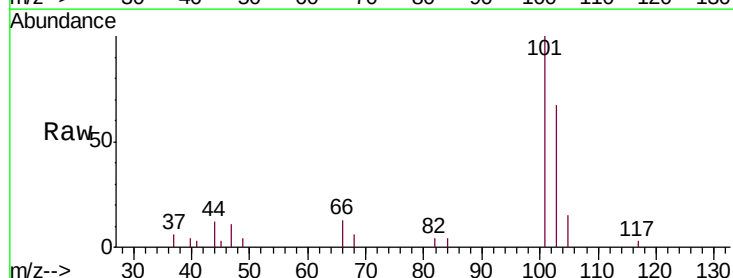
Acq: 17 Feb 2020 16:24

Tgt Ion: 101 Resp: 5135

Ion Ratio Lower Upper

101 100

103 67.8 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VV014589.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014589.D (-201) (-)

1.77

4000

3000

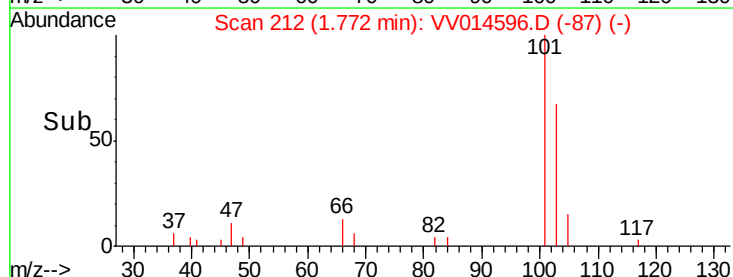
2000

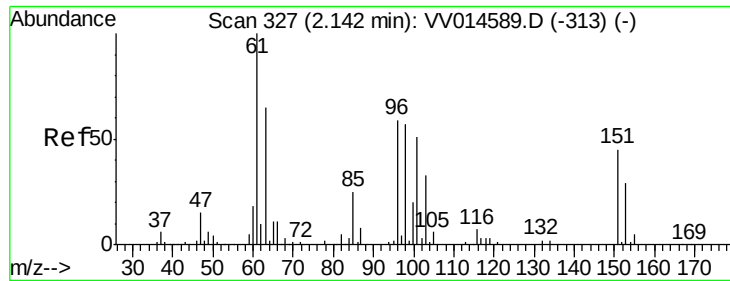
1000

0

1.74 1.76 1.78 1.80

Time-->





#10

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

Concen: 2.962 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

Instrument :

MSVOA_V

ClientSampleId :

MDL05

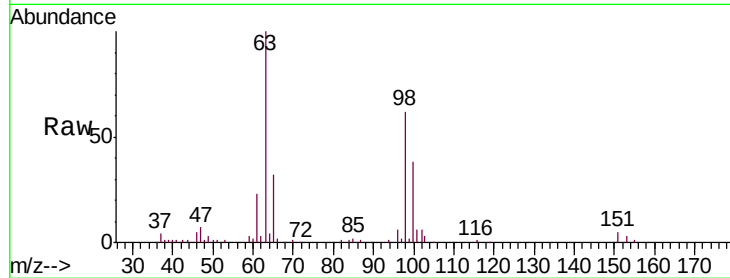
Tgt Ion:101 Resp: 2914

Ion Ratio Lower Upper

101 100

85 42.5 37.9 56.9

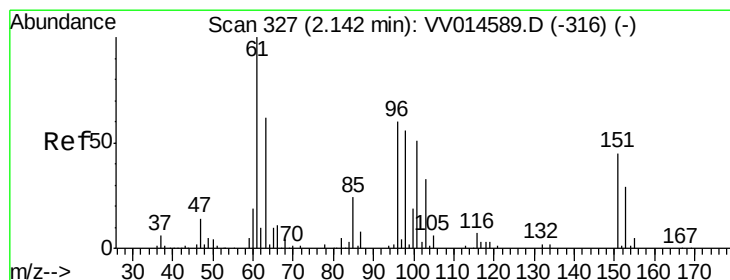
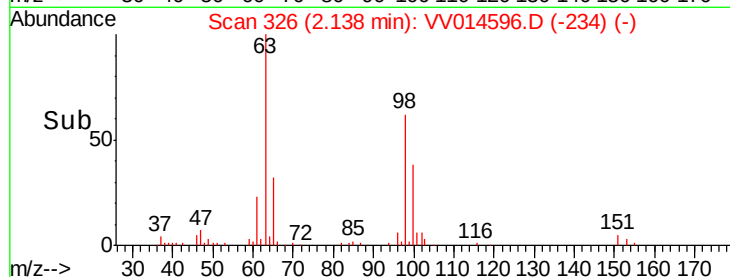
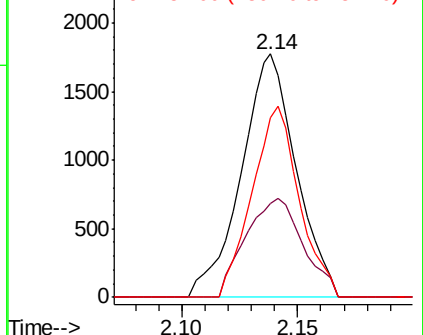
151 67.5 67.7 101.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.799 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

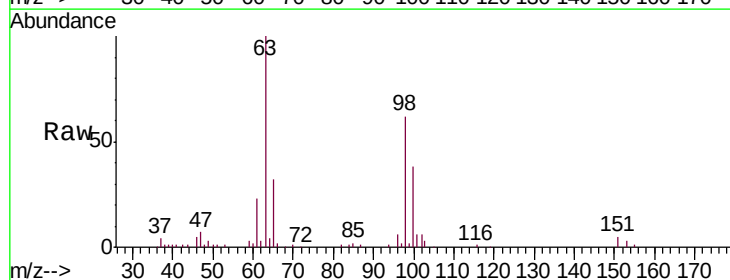
Tgt Ion: 96 Resp: 2596

Ion Ratio Lower Upper

96 100

61 387.2 118.3 219.7#

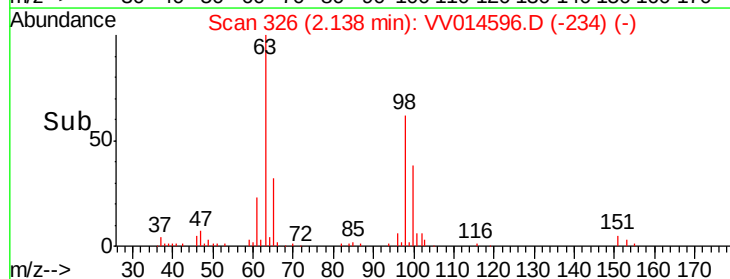
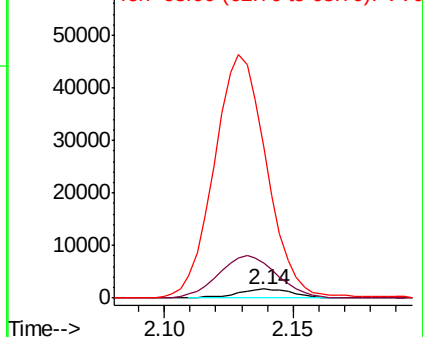
63 1686.6 77.5 143.9#

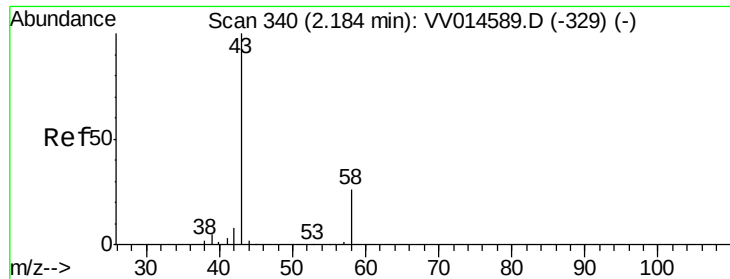


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 6.137 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

Instrument :

MSVOA_V

ClientSampled :

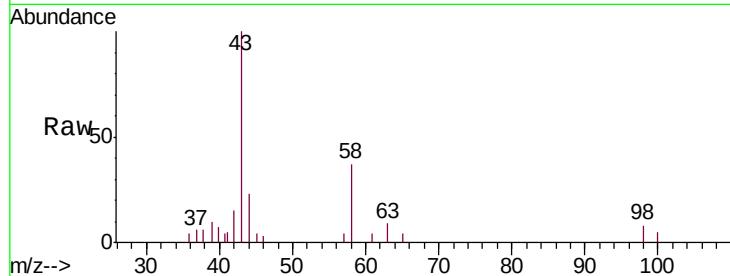
MDL05

Tgt Ion: 43 Resp: 5000

Ion Ratio Lower Upper

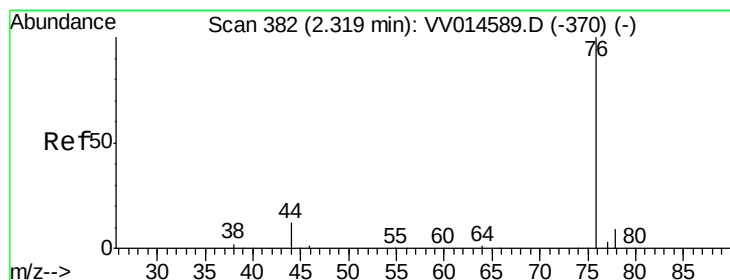
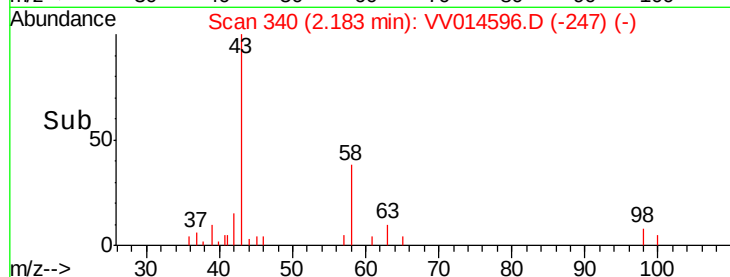
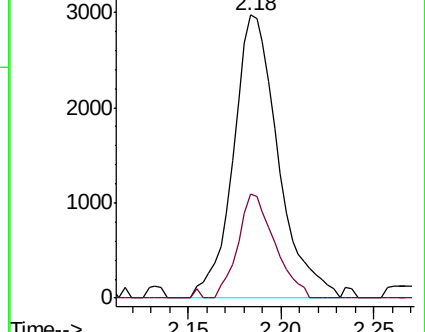
43 100

58 29.9 0.0 55.8



Abundance Ion 43.00 (42.70 to 43.70): VV014589.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV014589.D (-329) (-)



#14

Carbon disulfide

Concen: 2.458 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014596.D

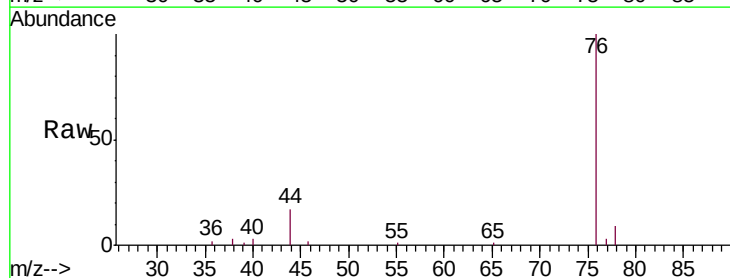
Acq: 17 Feb 2020 16:24

Tgt Ion: 76 Resp: 10455

Ion Ratio Lower Upper

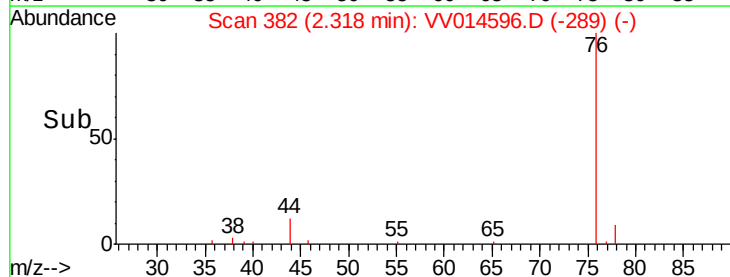
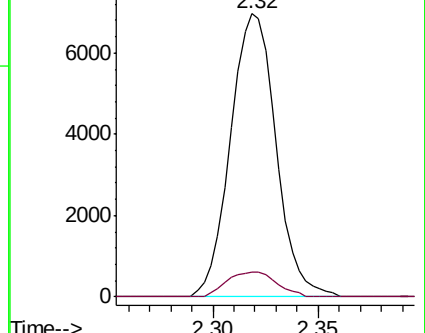
76 100

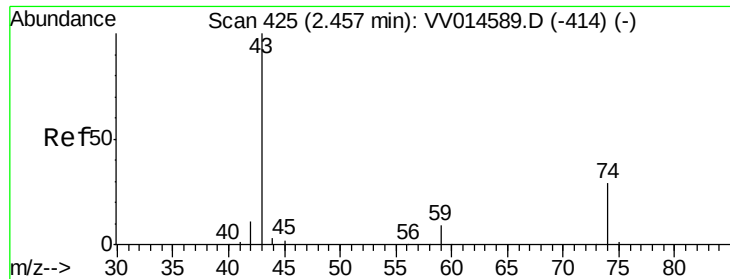
78 9.0 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV014589.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV014589.D (-370) (-)





#15

Methyl Acetate

Concen: 2.371 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

Instrument :

MSVOA_V

ClientSampleId :

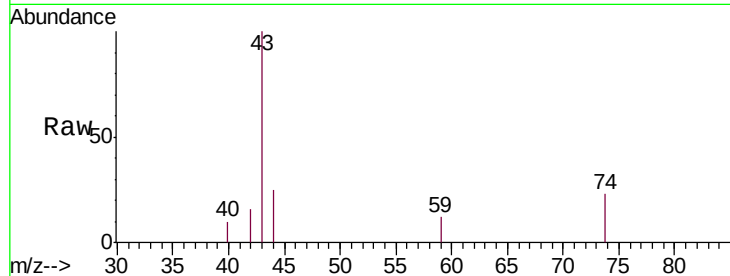
MDL05

Tgt Ion: 43 Resp: 3666

Ion Ratio Lower Upper

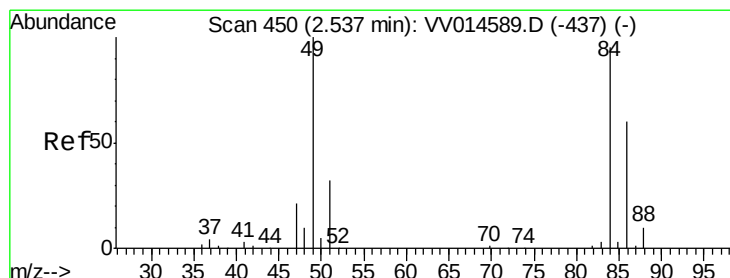
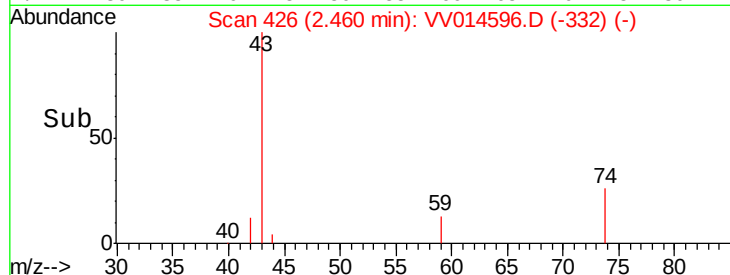
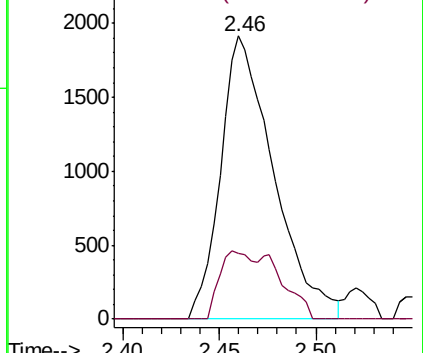
43 100

74 16.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 2.517 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

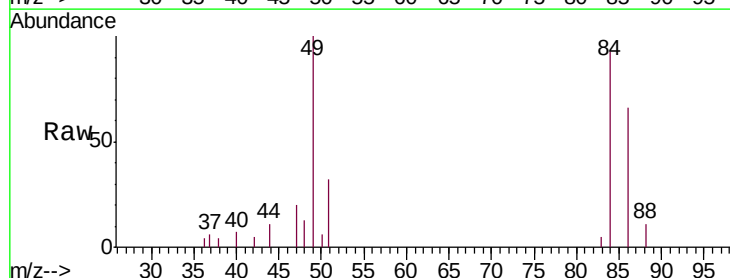
Tgt Ion: 84 Resp: 4769

Ion Ratio Lower Upper

84 100

86 70.9 44.0 81.8

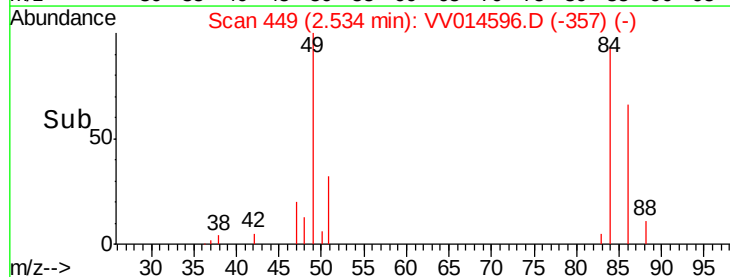
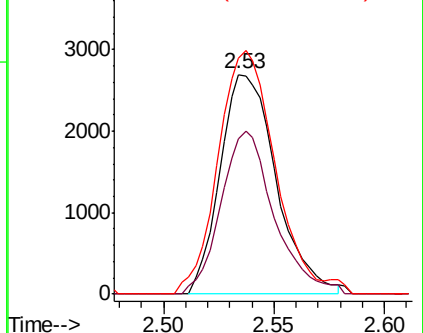
49 107.2 74.0 137.4

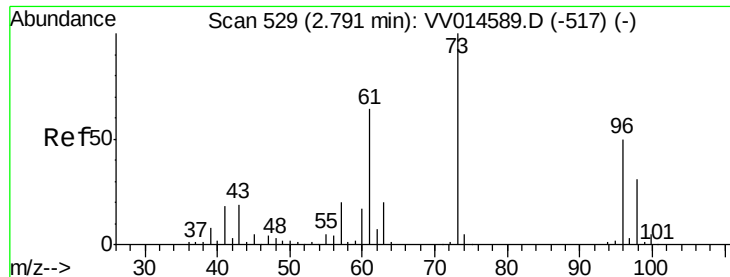


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

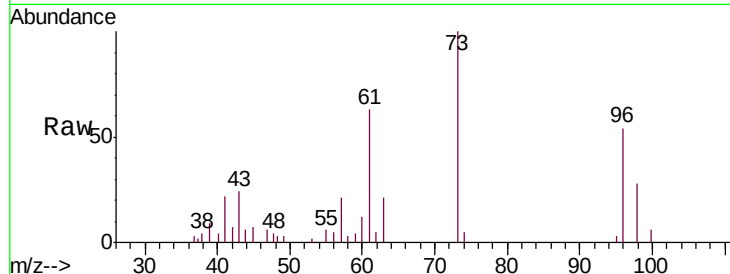




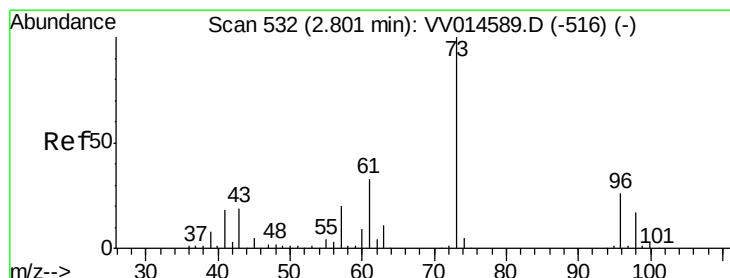
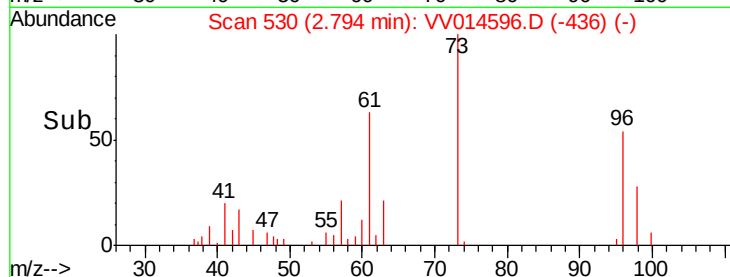
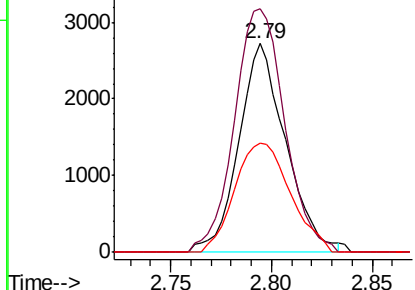
#17
trans-1,2-Dichloroethene
Concen: 2.540 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tgt Ion: 96 Resp: 4431
Ion Ratio Lower Upper
96 100
61 116.8 90.6 168.3
98 52.4 44.2 82.2

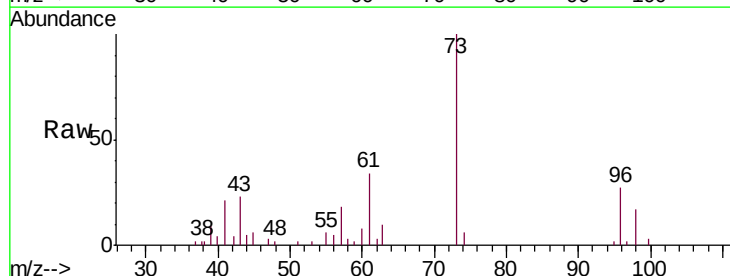


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

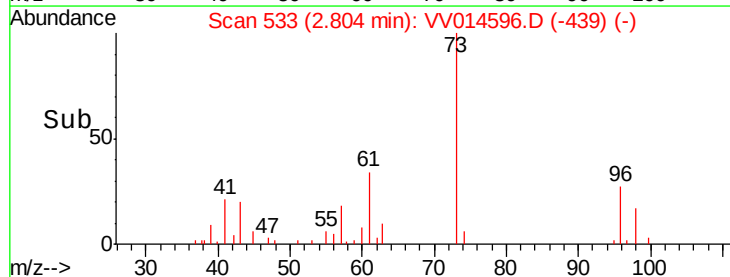
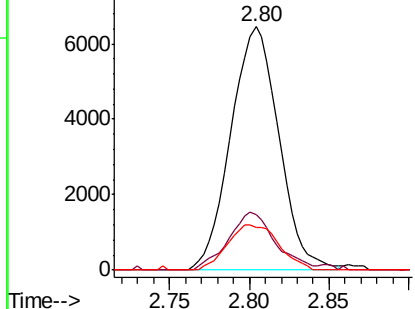


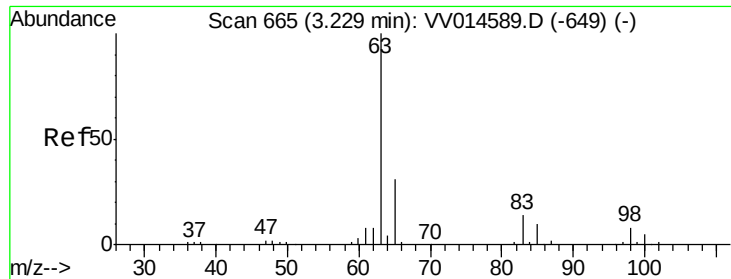
#18
Methyl tert-butyl Ether
Concen: 2.290 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion: 73 Resp: 13263
Ion Ratio Lower Upper
73 100
43 23.0 14.7 22.1#
57 19.8 16.2 24.4



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

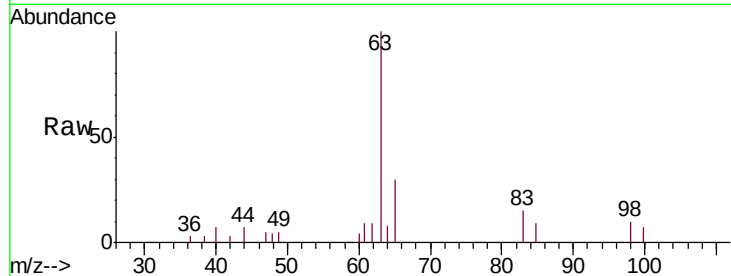




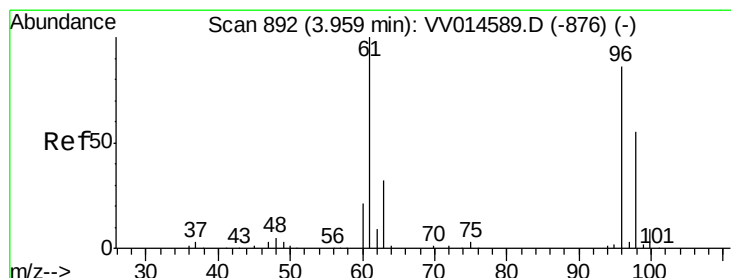
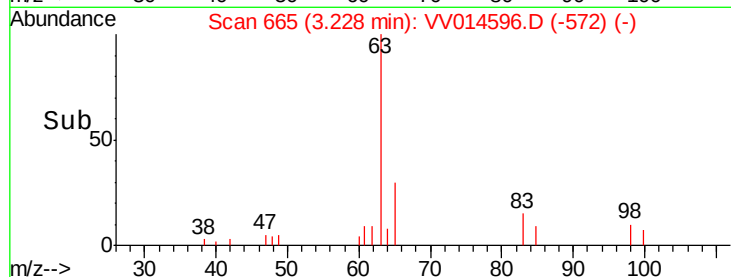
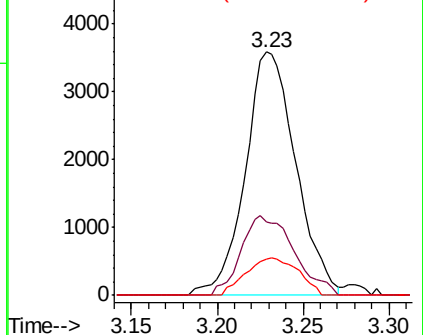
#19
 1,1-Dichloroethane
 Concen: 2.351 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV014596.D
 Acq: 17 Feb 2020 16:24

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion: 63 Resp: 7305
 Ion Ratio Lower Upper
 63 100
 65 30.2 21.8 40.4
 83 15.0 9.9 18.3

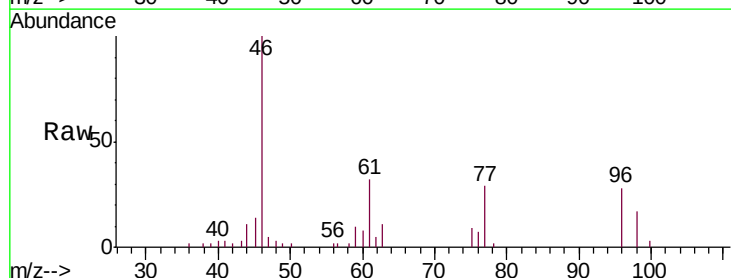


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

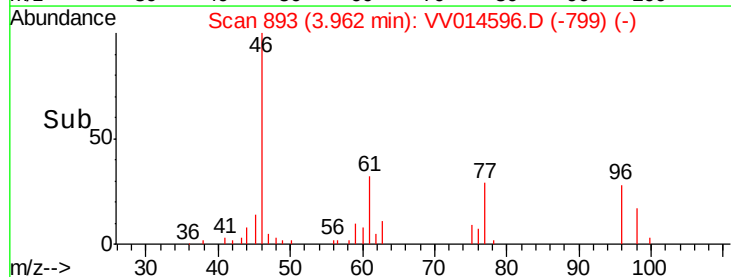
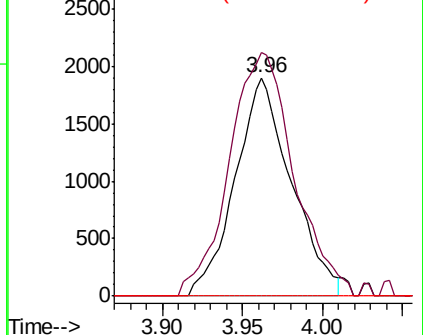


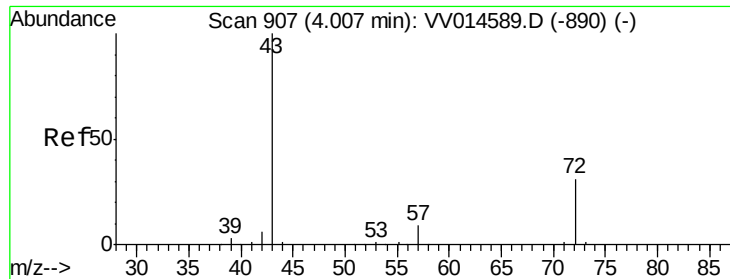
#20
 cis-1,2-Dichloroethene
 Concen: 2.235 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV014596.D
 Acq: 17 Feb 2020 16:24

Tgt Ion: 96 Resp: 4584
 Ion Ratio Lower Upper
 96 100
 61 111.5 81.4 151.2
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 2.446 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.03 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

Instrument :

MSVOA_V

ClientSampled :

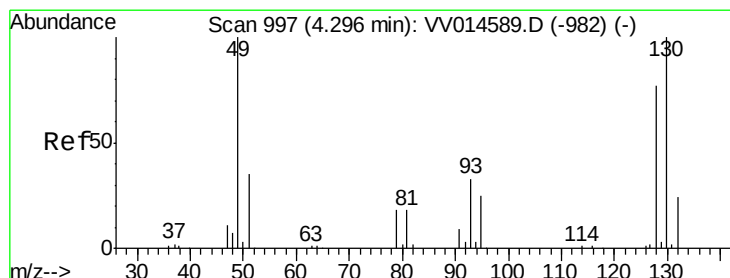
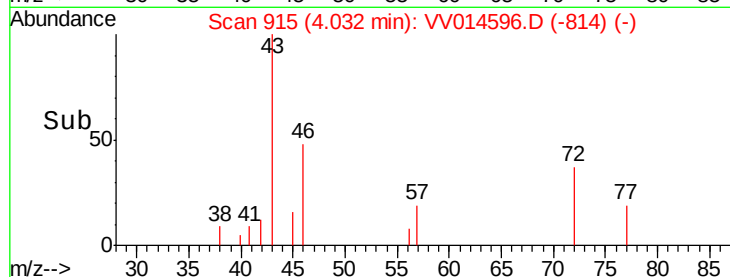
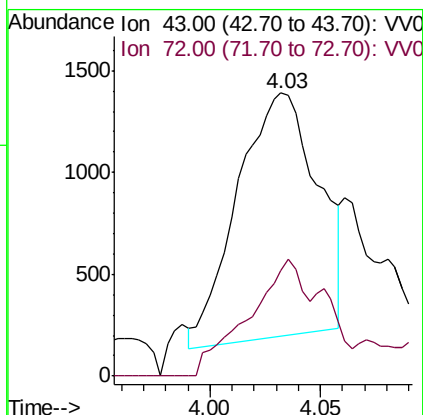
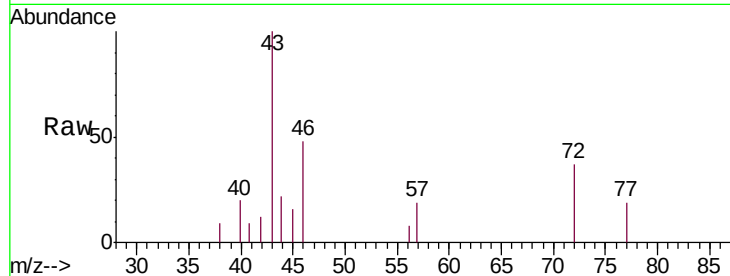
MDL05

Tgt Ion: 43 Resp: 3034

Ion Ratio Lower Upper

43 100

72 33.4 15.1 45.3



#23

Bromochloromethane

Concen: 2.311 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.01 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

Tgt Ion: 128 Resp: 2337

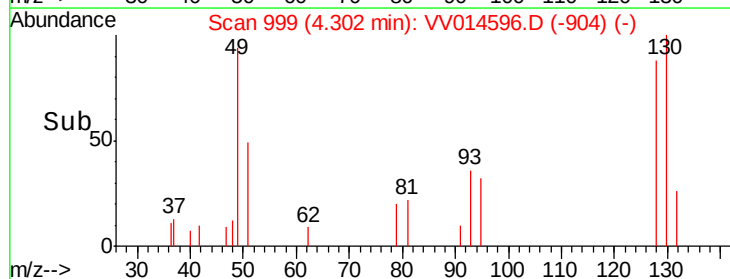
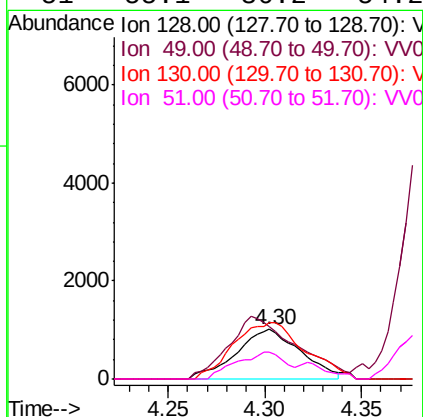
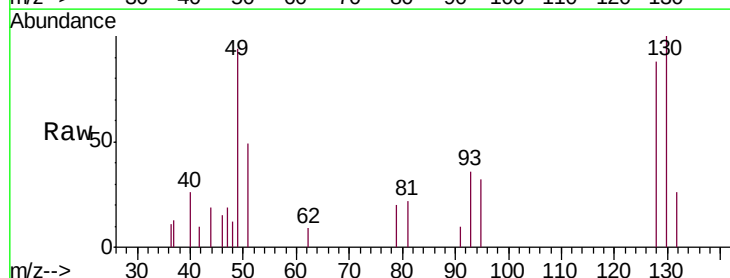
Ion Ratio Lower Upper

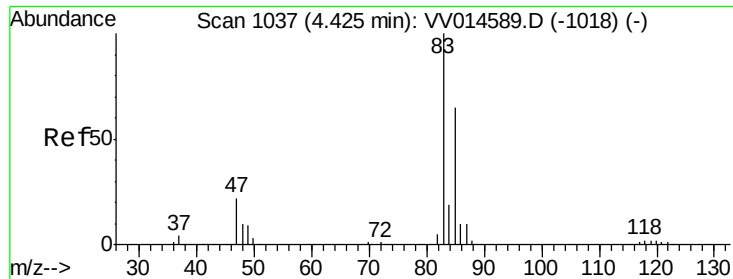
128 100

49 106.7 91.7 170.3

130 113.0 91.4 169.8

51 55.1 36.2 54.2#

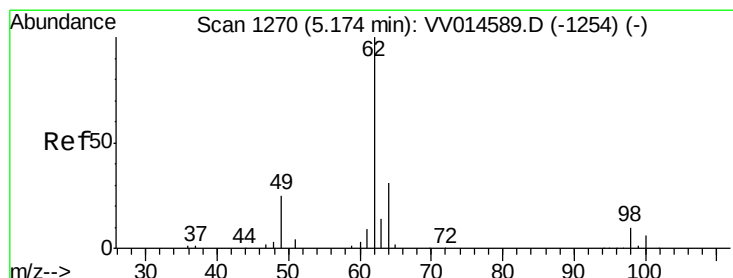
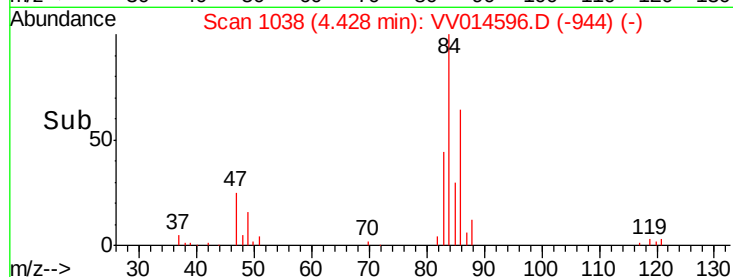
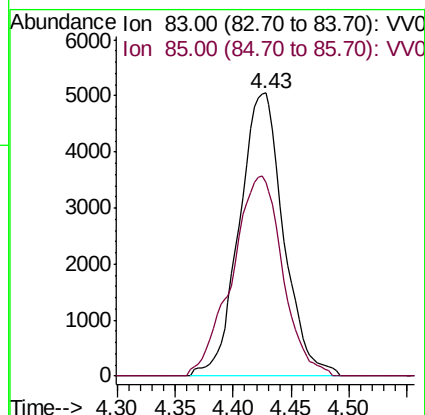
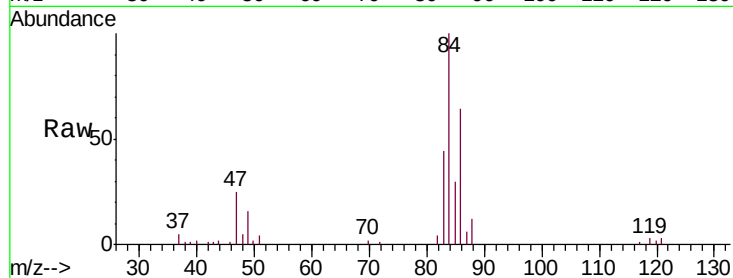




#25
Chloroform
Concen: 3.815 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

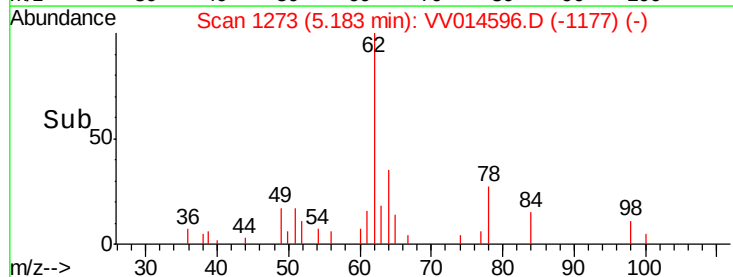
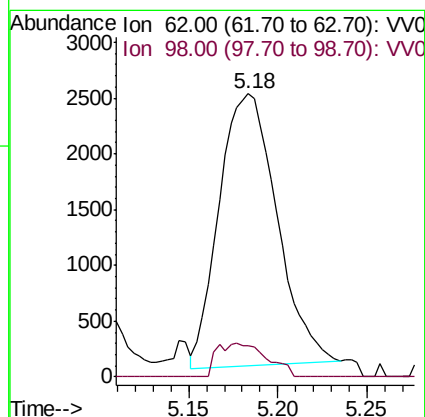
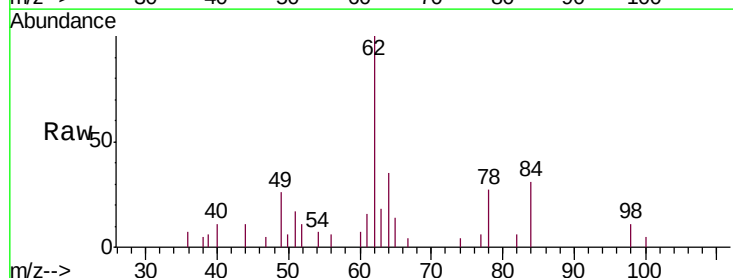
Instrument :
MSVOA_V
ClientSampleId :
MDL05

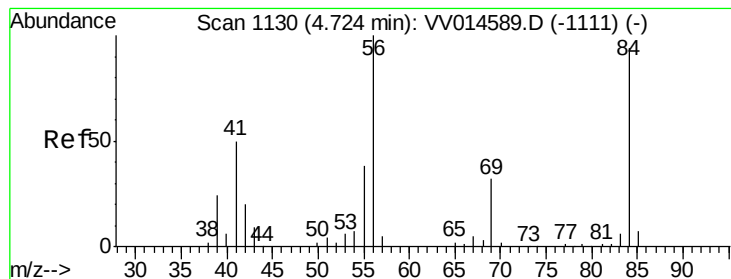
Tgt Ion: 83 Resp: 13432
Ion Ratio Lower Upper
83 100
85 68.6 45.4 84.4



#27
1,2-Dichloroethane
Concen: 2.083 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion: 62 Resp: 5486
Ion Ratio Lower Upper
62 100
98 11.0 8.1 12.1





#29

Cyclohexane

Concen: 2.360 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

Instrument :

MSVOA_V

ClientSampled :

MDL05

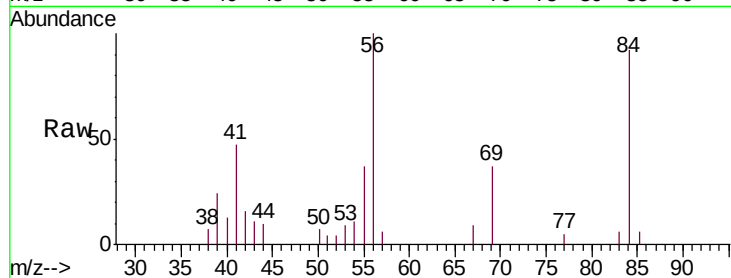
Tgt Ion: 56 Resp: 6222

Ion Ratio Lower Upper

56 100

69 25.8 26.6 39.8#

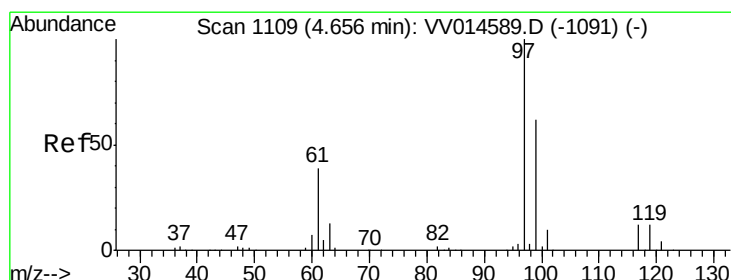
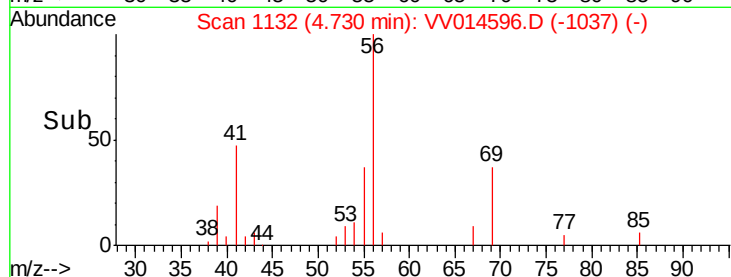
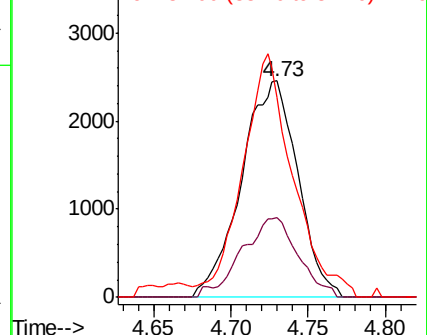
84 90.1 76.6 114.8



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 2.321 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

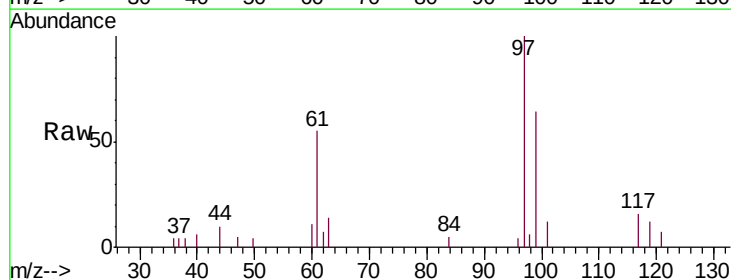
Tgt Ion: 97 Resp: 7121

Ion Ratio Lower Upper

97 100

99 65.1 50.6 76.0

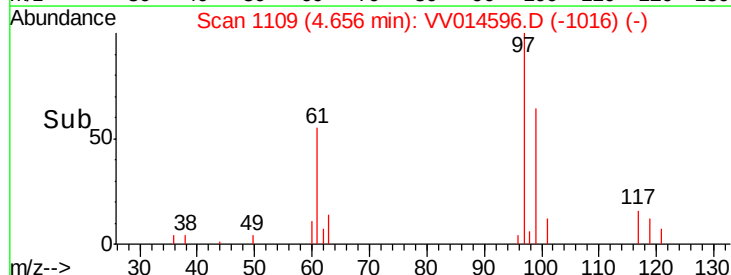
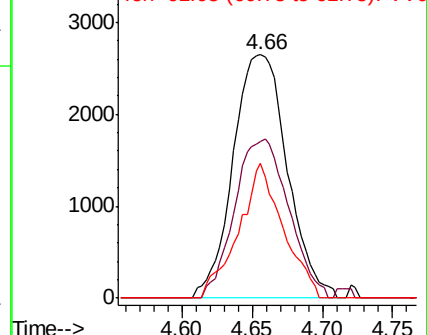
61 45.2 31.6 47.4

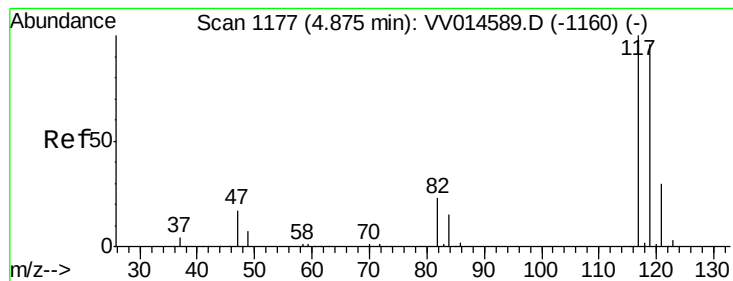


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 2.313 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

Instrument :

MSVOA_V

ClientSampleId :

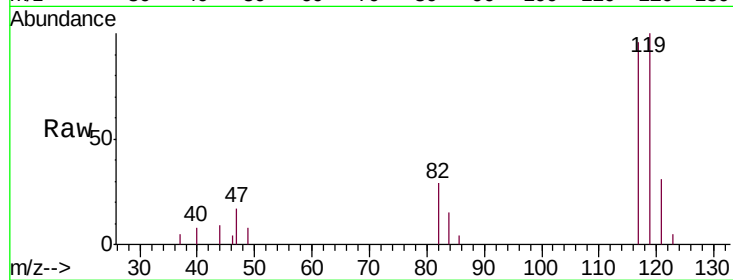
MDL05

Tgt Ion:117 Resp: 6328

Ion Ratio Lower Upper

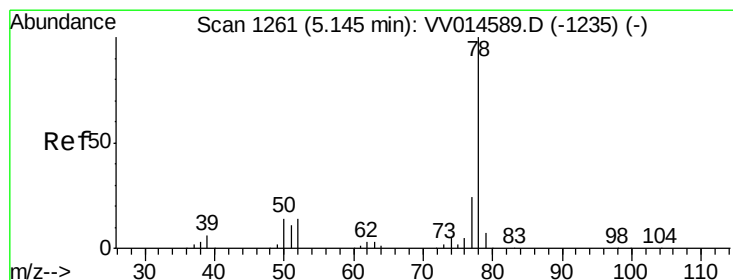
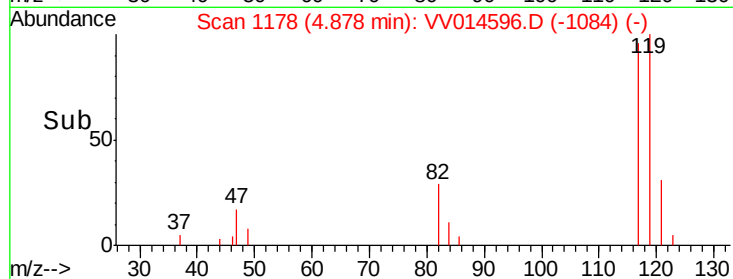
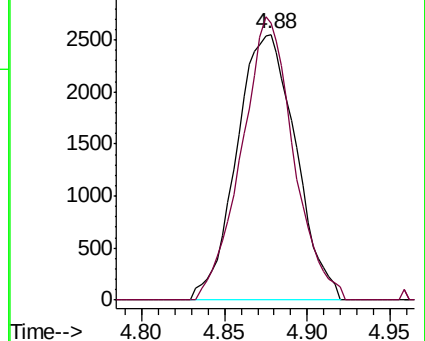
117 100

119 93.9 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.345 ug/L

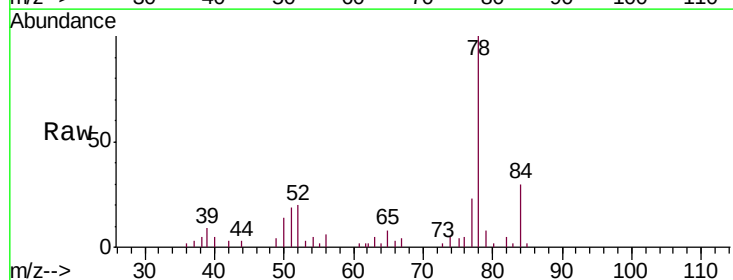
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

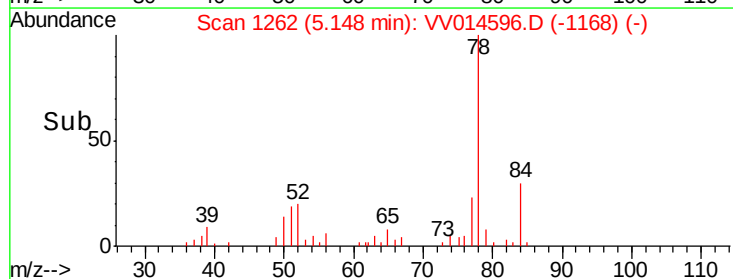
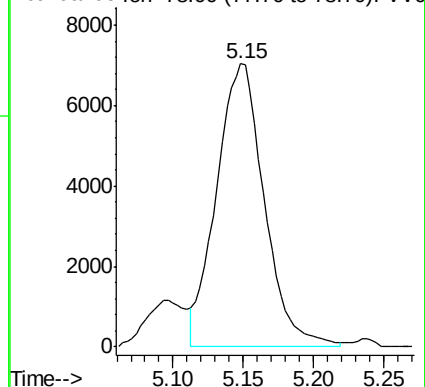
Lab File: VV014596.D

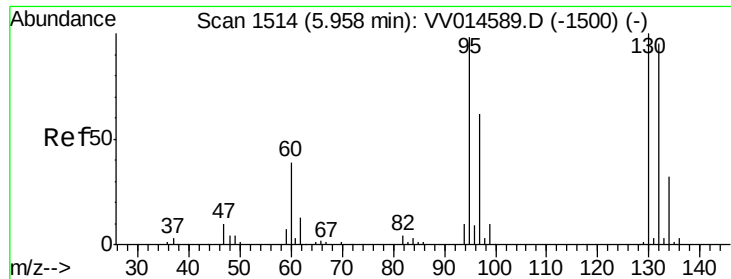
Acq: 17 Feb 2020 16:24

Tgt Ion: 78 Resp: 16636



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 2.540 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 95 Resp: 4914

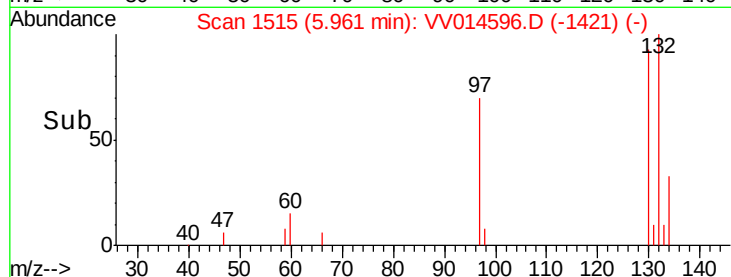
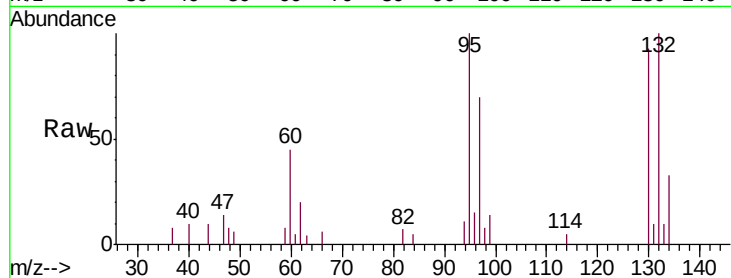
Ion Ratio Lower Upper

95 100

97 70.1 44.4 82.4

132 100.1 67.8 125.8

130 93.1 71.4 132.6

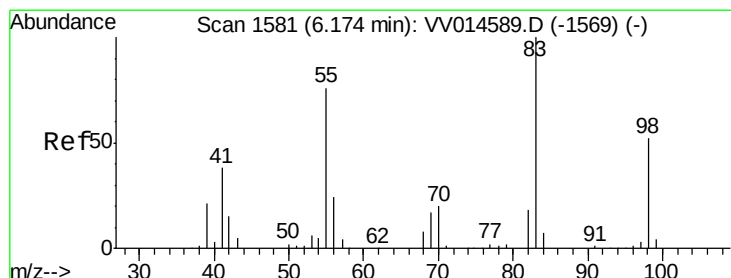
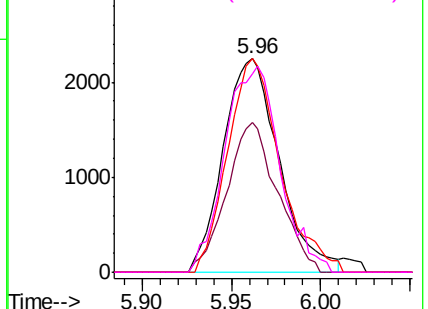


Abundance Ion 95.00 (94.70 to 95.70): VV014589.D (-1500) (-)

Ion 97.00 (96.70 to 97.70): VV014589.D (-1500) (-)

Ion 132.00 (131.70 to 132.70): VV014589.D (-1500) (-)

Ion 130.00 (129.70 to 130.70): VV014589.D (-1500) (-)



#35

Methylcyclohexane

Concen: 2.370 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

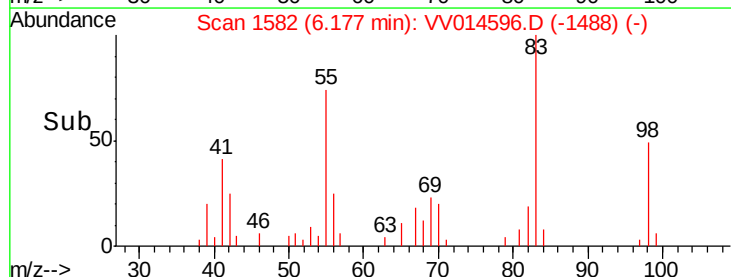
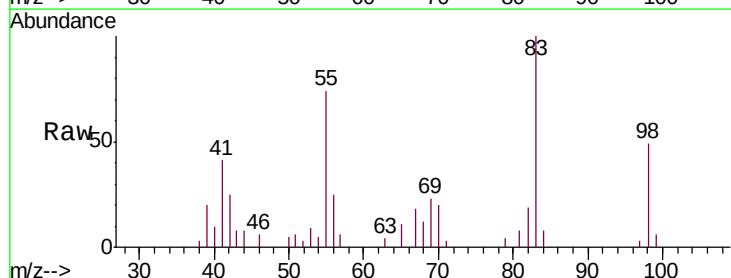
Tgt Ion: 83 Resp: 7132

Ion Ratio Lower Upper

83 100

55 74.5 57.4 86.2

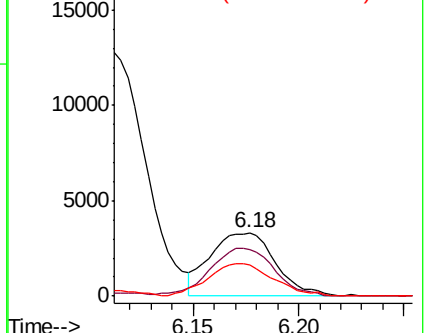
98 50.3 40.4 60.6

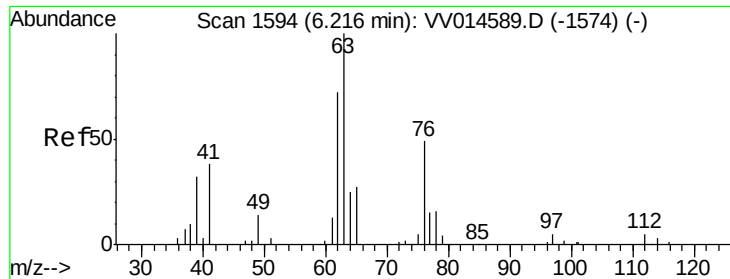


Abundance Ion 83.00 (82.70 to 83.70): VV014589.D (-1569) (-)

Ion 55.00 (54.70 to 55.70): VV014589.D (-1569) (-)

Ion 98.00 (97.70 to 98.70): VV014589.D (-1569) (-)

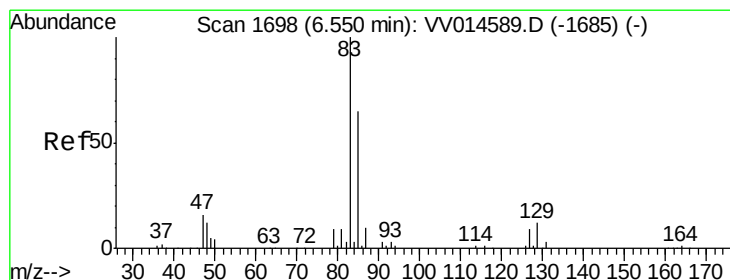
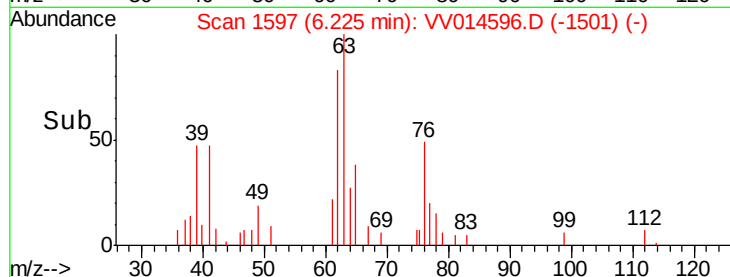
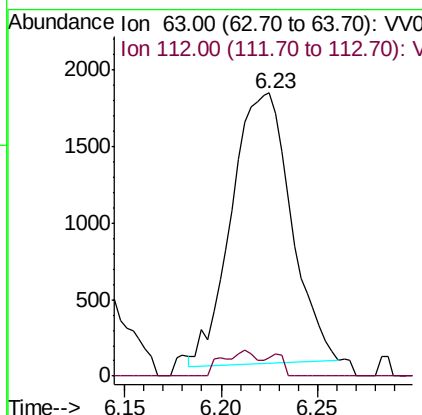
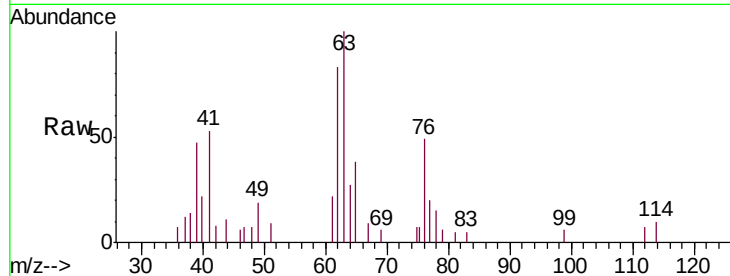




#37
 1,2-Dichloropropane
 Concen: 2.193 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: VV014596.D
 Acq: 17 Feb 2020 16:24

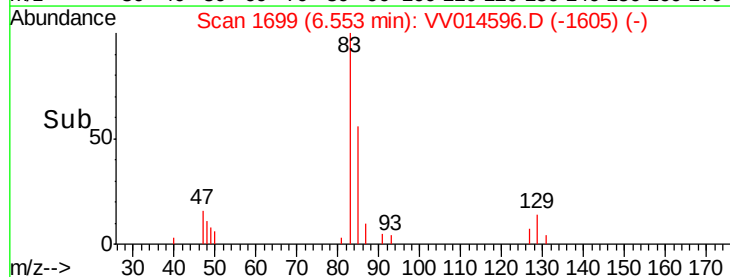
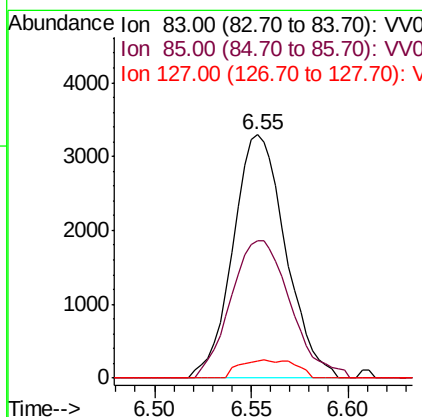
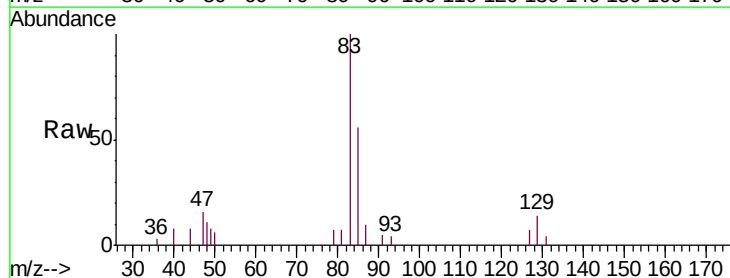
Instrument :
 MSVOA_V
 ClientSampleID :
 MDL05

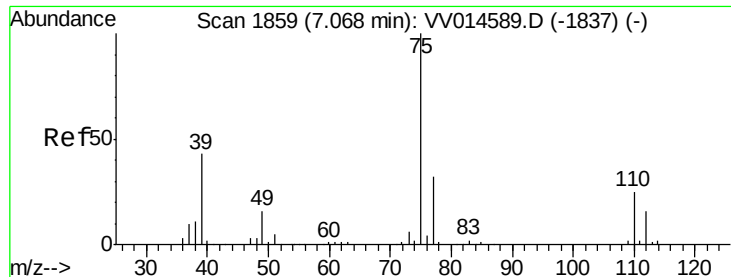
Tgt Ion: 63 Resp: 3773
 Ion Ratio Lower Upper
 63 100
 112 2.6 4.2 6.2#



#38
 Bromodichloromethane
 Concen: 2.329 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV014596.D
 Acq: 17 Feb 2020 16:24

Tgt Ion: 83 Resp: 6241
 Ion Ratio Lower Upper
 83 100
 85 56.4 45.5 84.5
 127 7.1 7.1 10.7#

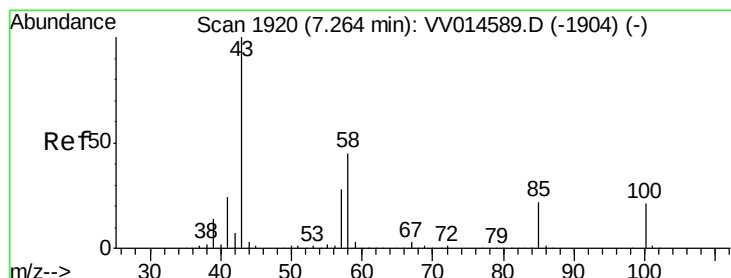
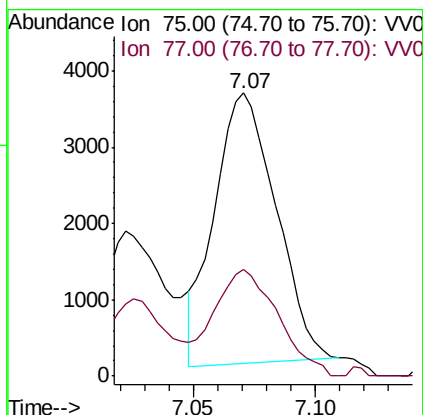
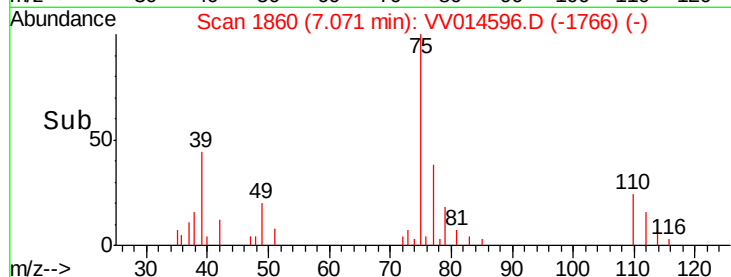
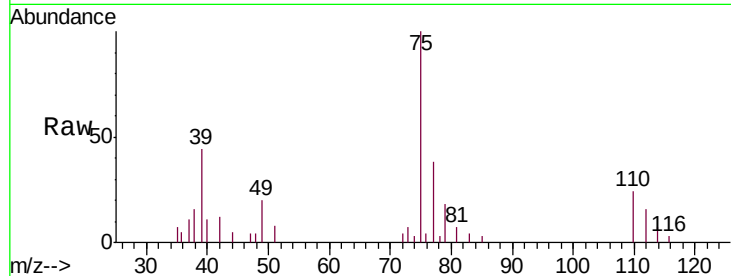




#39
 cis-1,3-Dichloropropene
 Concen: 2.044 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV014596.D
 Acq: 17 Feb 2020 16:24

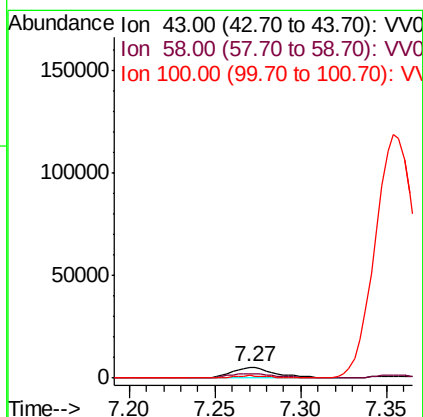
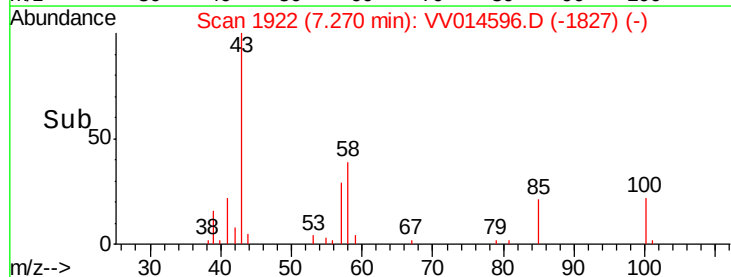
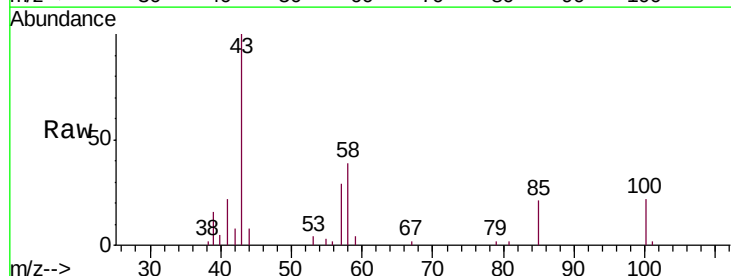
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

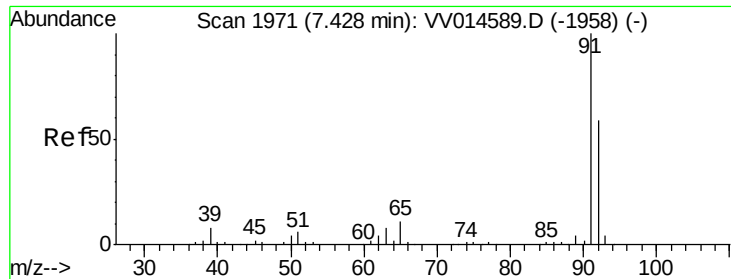
Tgt Ion: 75 Resp: 6239
 Ion Ratio Lower Upper
 75 100
 77 37.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 4.389 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VV014596.D
 Acq: 17 Feb 2020 16:24

Tgt Ion: 43 Resp: 9444
 Ion Ratio Lower Upper
 43 100
 58 44.8 35.6 53.4
 100 19.0 16.0 24.0





#42

Toluene

Concen: 2.422 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

Instrument :

MSVOA_V

ClientSampled :

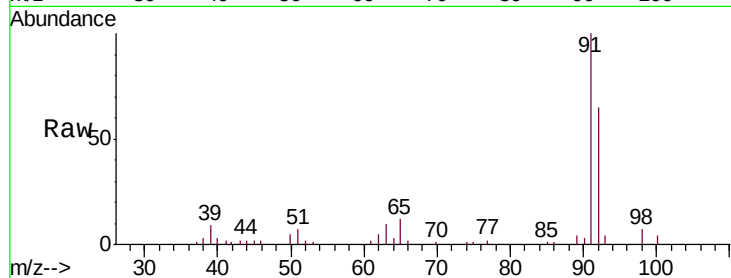
MDL05

Tgt Ion: 91 Resp: 18931

Ion Ratio Lower Upper

91 100

92 65.0 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VV014589.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV014589.D (-1958) (-)

7.43

10000

8000

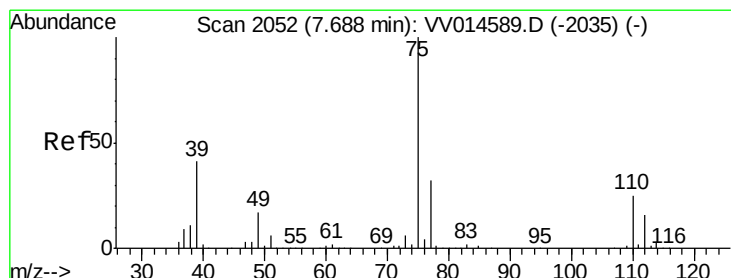
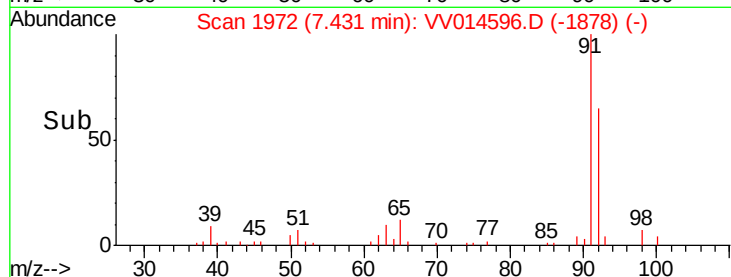
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 2.114 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014596.D

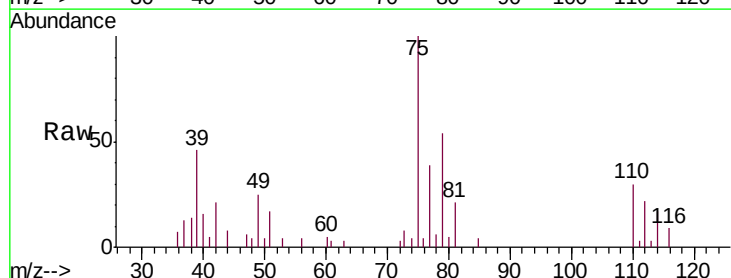
Acq: 17 Feb 2020 16:24

Tgt Ion: 75 Resp: 6012

Ion Ratio Lower Upper

75 100

77 39.1 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV014589.D (-2035) (-)

Ion 77.00 (76.70 to 77.70): VV014589.D (-2035) (-)

7.69

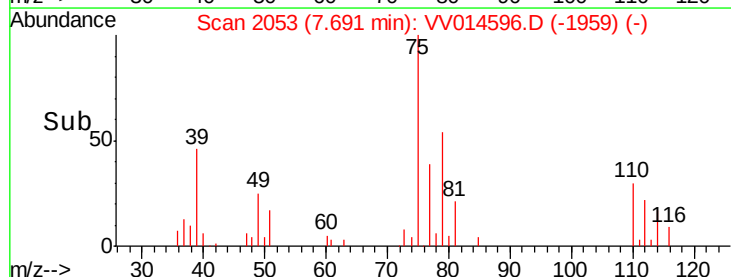
3000

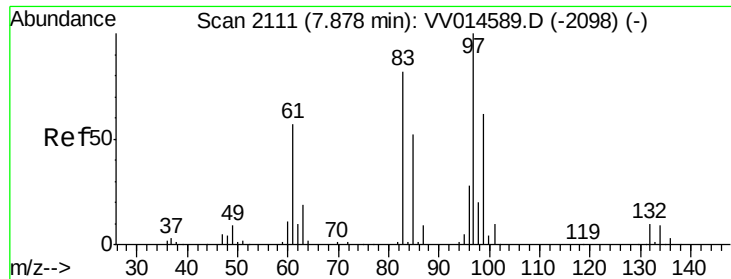
2000

1000

0

Time-->

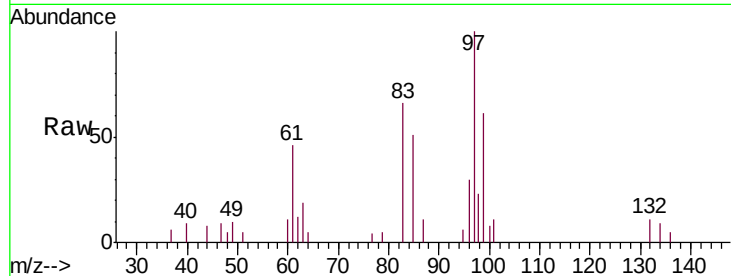




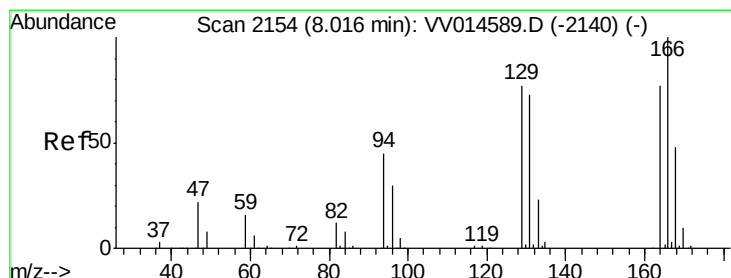
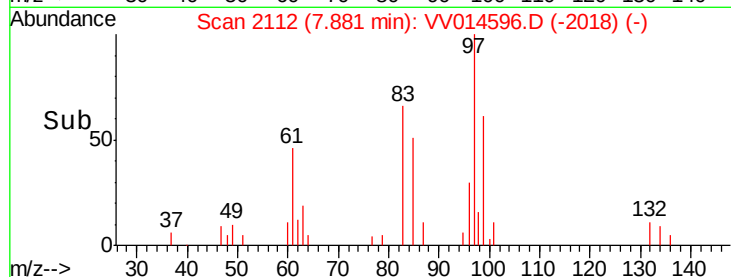
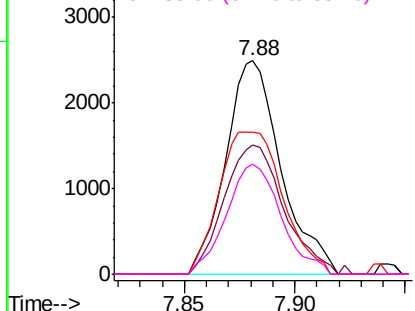
#45
 1,1,2-Trichloroethane
 Concen: 2.356 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV014596.D
 Acq: 17 Feb 2020 16:24

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion:	97	Resp:	4362
Ion	Ratio	Lower	Upper
97	100		
99	60.8	43.4	80.6
83	66.3	57.6	107.0
85	51.3	36.1	67.1

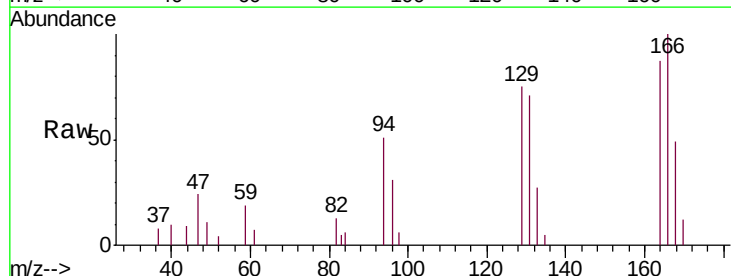


Abundance Ion 97.00 (96.70 to 97.70): VV014596.D (-2018) (-)
 Ion 99.00 (98.70 to 99.70): VV014596.D (-2018) (-)
 Ion 83.00 (82.70 to 83.70): VV014596.D (-2018) (-)
 Ion 85.00 (84.70 to 85.70): VV014596.D (-2018) (-)

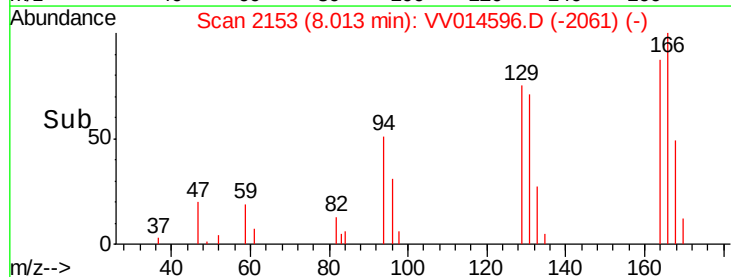
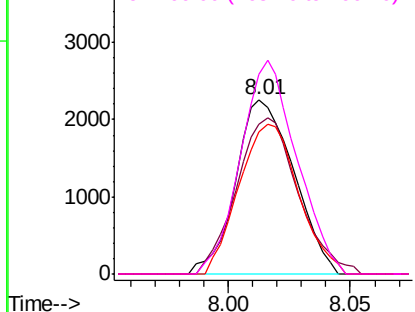


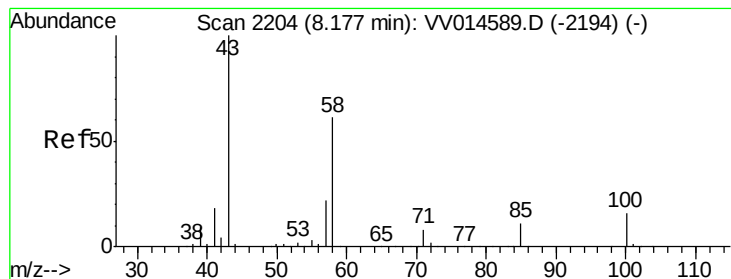
#46
 Tetrachloroethene
 Concen: 2.413 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV014596.D
 Acq: 17 Feb 2020 16:24

Tgt Ion:	164	Resp:	3734
Ion	Ratio	Lower	Upper
164	100		
129	85.8	69.8	129.6
131	81.3	66.2	123.0
166	114.4	90.9	168.9



Abundance Ion 164.00 (163.70 to 164.70): VV014596.D (-2061) (-)
 Ion 129.00 (128.70 to 129.70): VV014596.D (-2061) (-)
 Ion 131.00 (130.70 to 131.70): VV014596.D (-2061) (-)
 Ion 166.00 (165.70 to 166.70): VV014596.D (-2061) (-)





#48

2-Hexanone

Concen: 5.411 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tgt Ion: 43 Resp: 9090

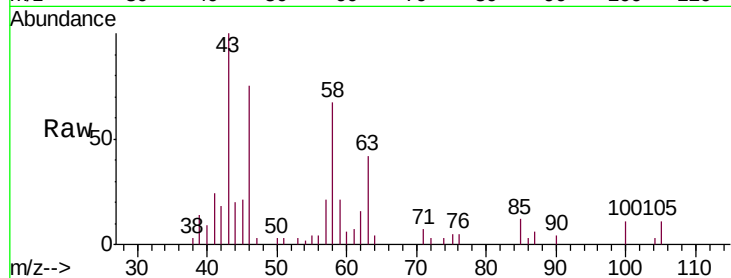
Ion Ratio Lower Upper

43 100

58 34.4 49.8 74.6#

57 16.8 17.0 25.6#

100 12.8 13.4 20.2#

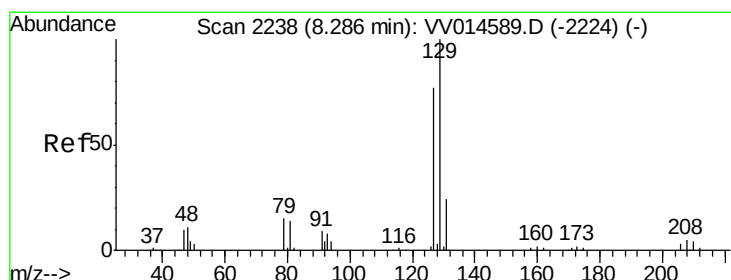
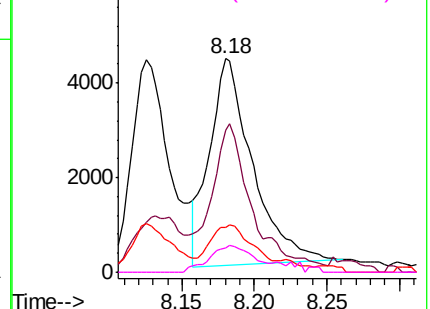
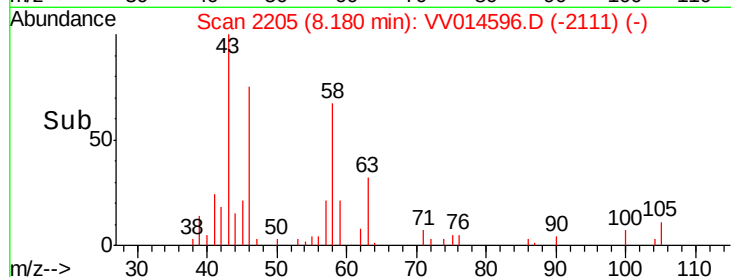


Abundance Ion 43.00 (42.70 to 43.70): VV014589.D (-2194) (-)

Ion 58.00 (57.70 to 58.70): VV014589.D (-2194) (-)

Ion 57.00 (56.70 to 57.70): VV014589.D (-2194) (-)

Ion 100.00 (99.70 to 100.70): VV014589.D (-2194) (-)



#49

Dibromochloromethane

Concen: 2.145 ug/L

RT: 8.28 min Scan# 2237

Delta R.T. -0.00 min

Lab File: VV014596.D

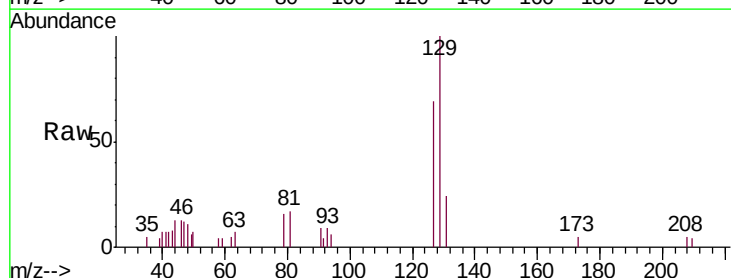
Acq: 17 Feb 2020 16:24

Tgt Ion: 129 Resp: 4812

Ion Ratio Lower Upper

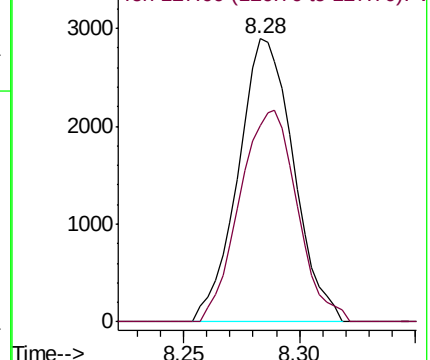
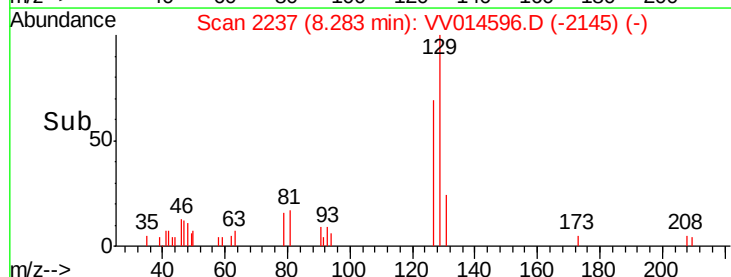
129 100

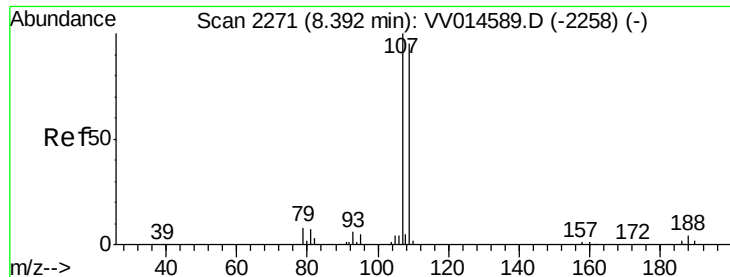
127 69.5 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): VV014589.D (-2224) (-)

Ion 127.00 (126.70 to 127.70): VV014589.D (-2224) (-)

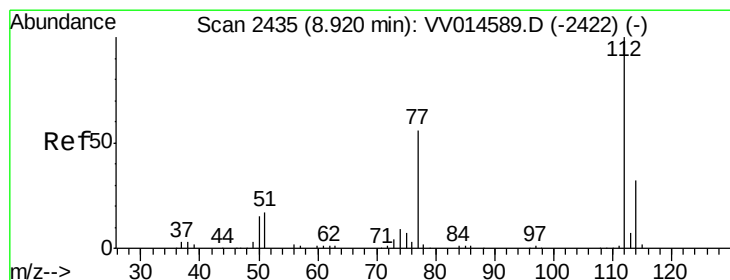
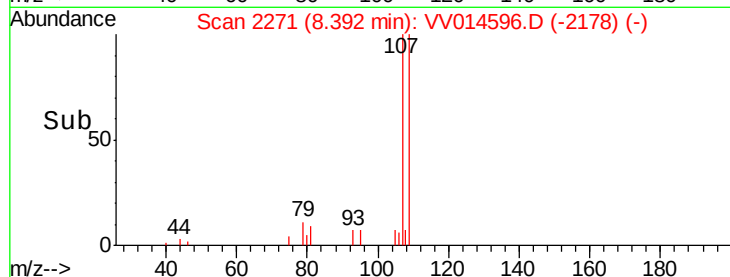
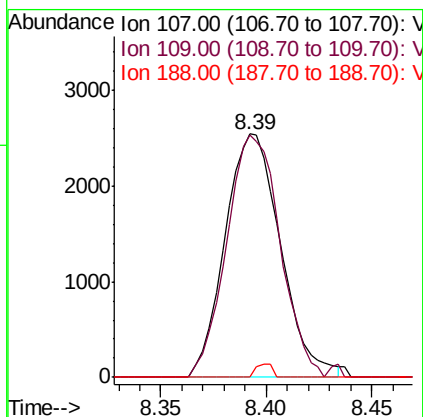
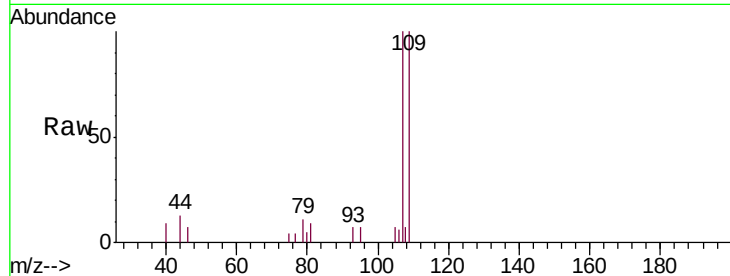




#50
1,2-Dibromoethane
Concen: 2.293 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

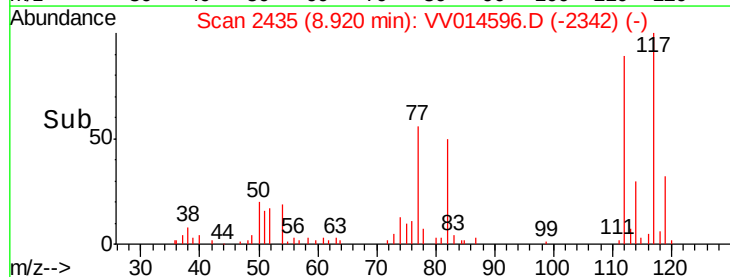
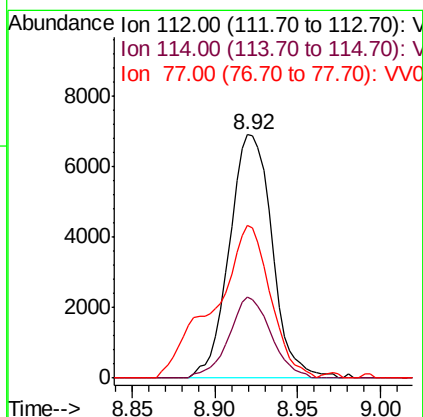
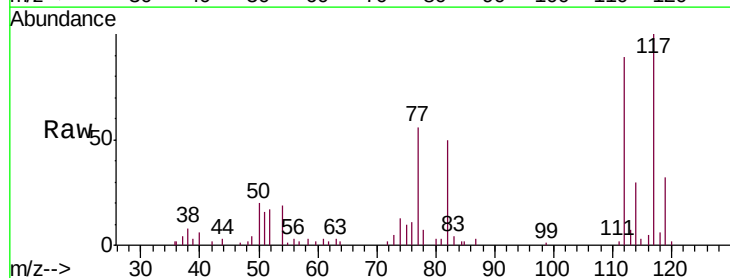
Instrument :
MSVOA_V
ClientSampleId :
MDL05

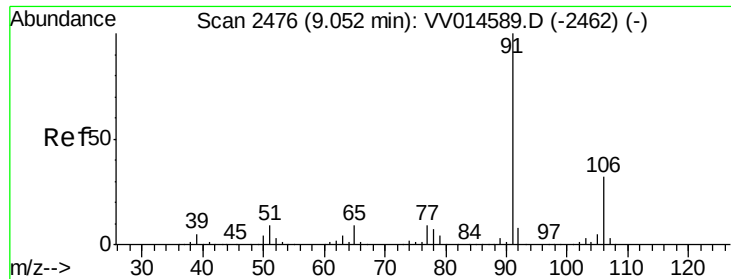
Tgt Ion:107 Resp: 4666
Ion Ratio Lower Upper
107 100
109 99.6 66.5 123.5
188 0.0 3.3 4.9#



#51
Chlorobenzene
Concen: 2.341 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion:112 Resp: 12374
Ion Ratio Lower Upper
112 100
114 33.3 22.4 41.6
77 62.6 45.5 68.3





#52

Ethylbenzene

Concen: 2.370 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

Instrument :

MSVOA_V

ClientSampleId :

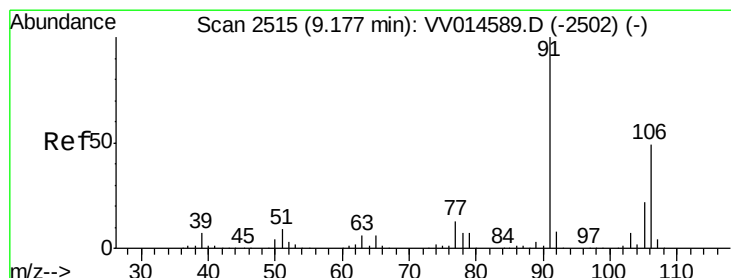
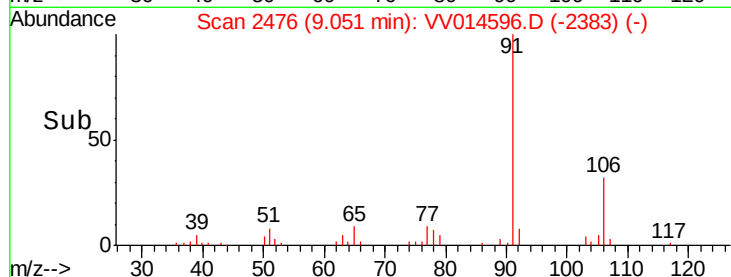
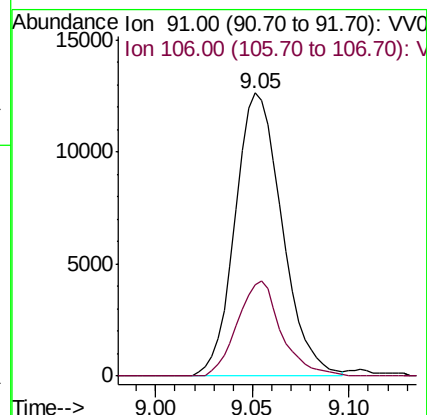
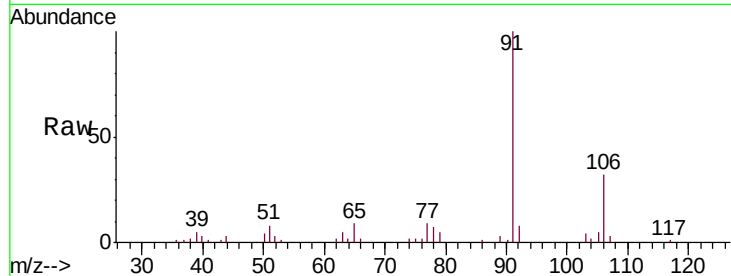
MDL05

Tgt Ion: 91 Resp: 21295

Ion Ratio Lower Upper

91 100

106 32.3 22.0 41.0



#53

m,p-Xylene

Concen: 2.285 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.01 min

Lab File: VV014596.D

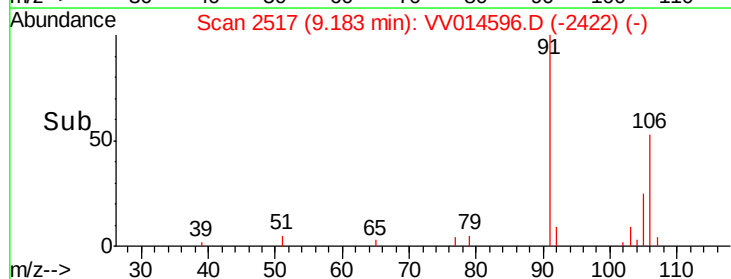
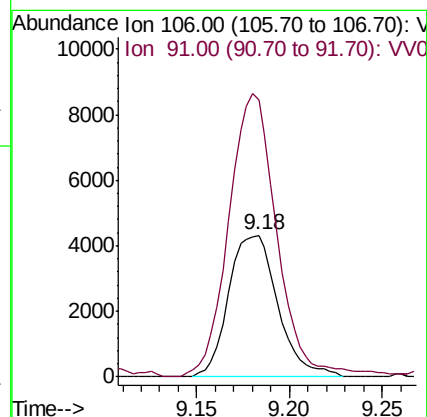
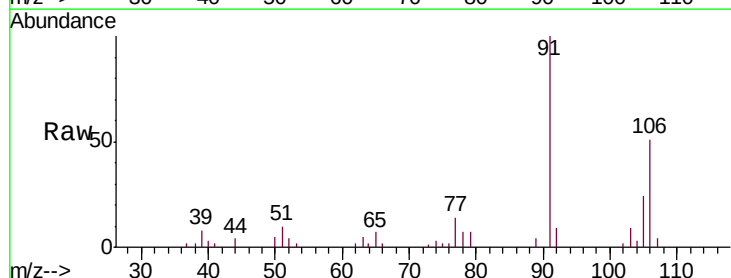
Acq: 17 Feb 2020 16:24

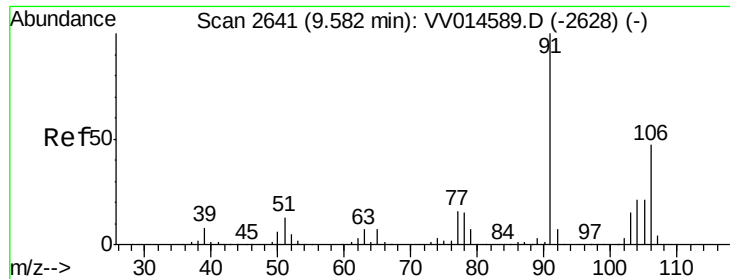
Tgt Ion: 106 Resp: 7942

Ion Ratio Lower Upper

106 100

91 195.7 141.7 263.3

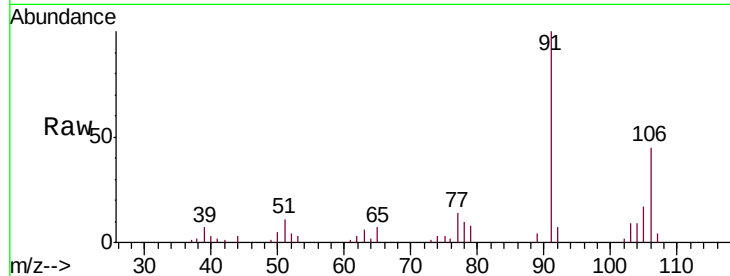




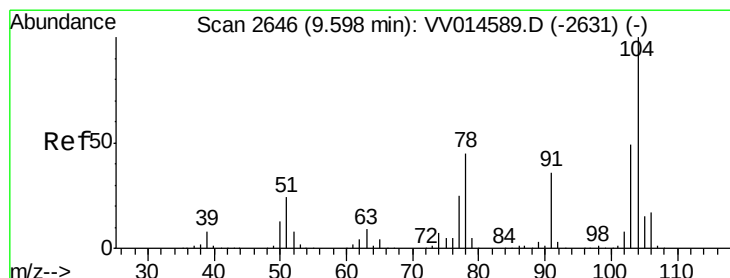
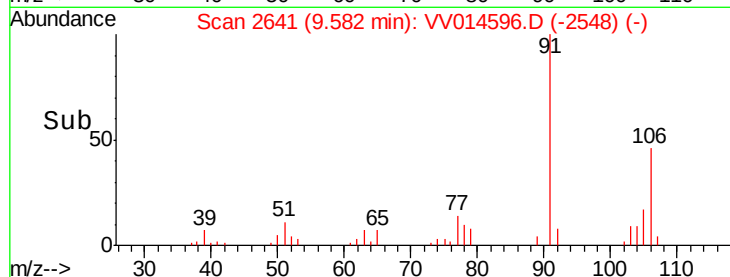
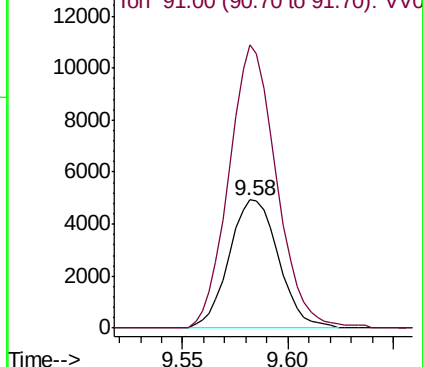
#54
o-Xylene
Concen: 2.404 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion:106 Resp: 8046
Ion Ratio Lower Upper
106 100
91 221.2 150.5 279.5

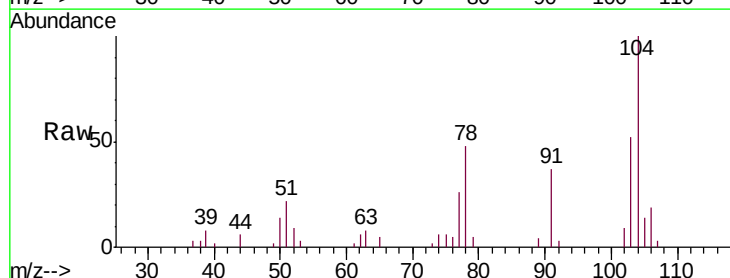


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

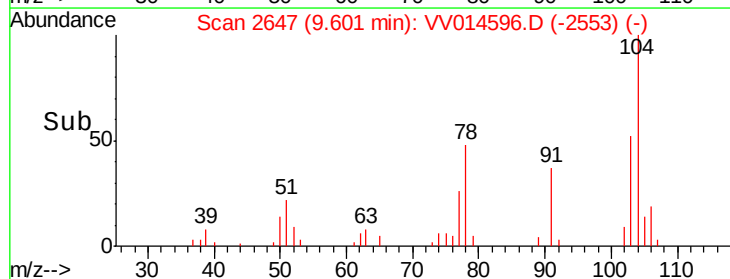
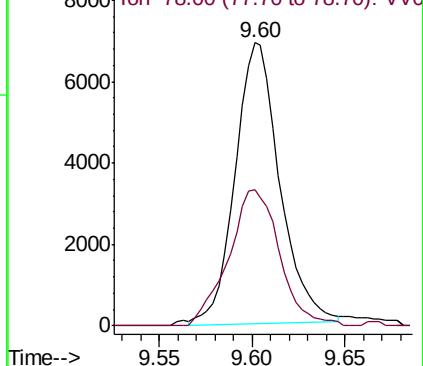


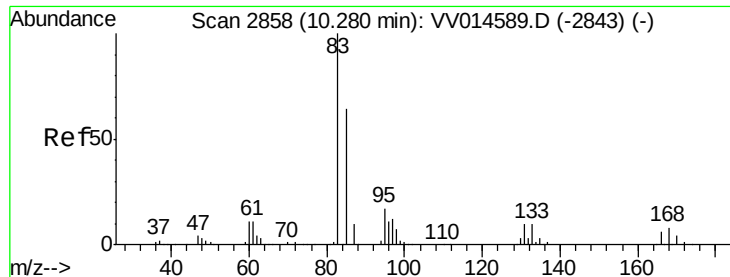
#55
Styrene
Concen: 2.010 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV014596.D
Acq: 17 Feb 2020 16:24

Tgt Ion:104 Resp: 11455
Ion Ratio Lower Upper
104 100
78 47.9 31.9 59.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0

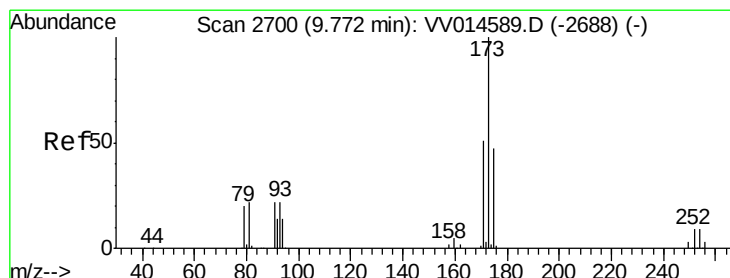
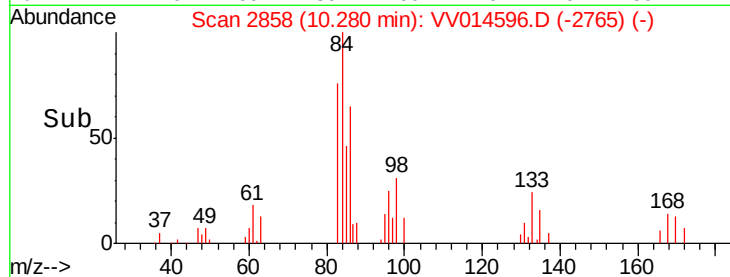
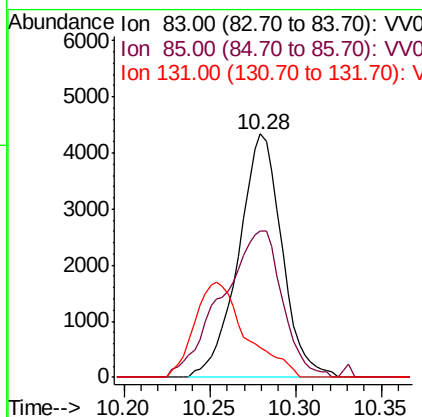
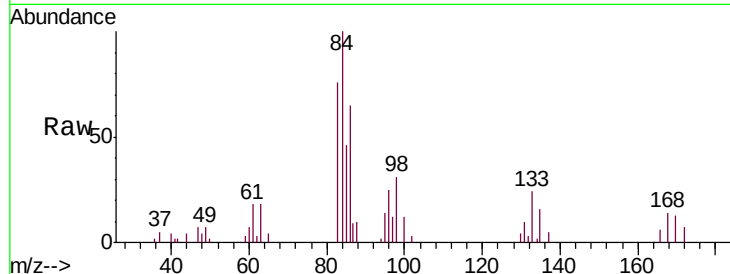




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.587 ug/L
 RT: 10.28 min Scan# 2858
 Delta R.T. -0.00 min
 Lab File: VV014596.D
 Acq: 17 Feb 2020 16:24

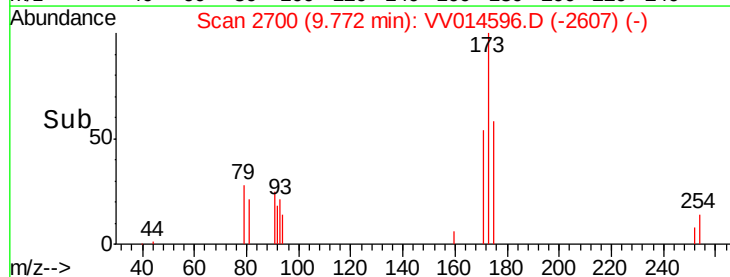
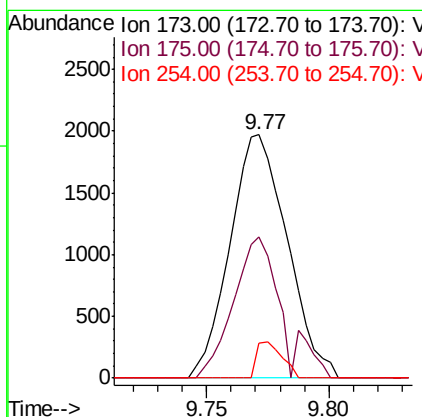
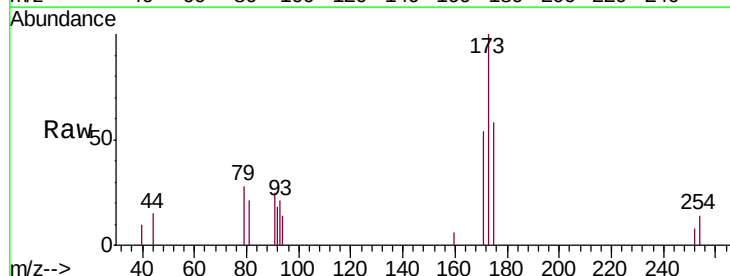
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

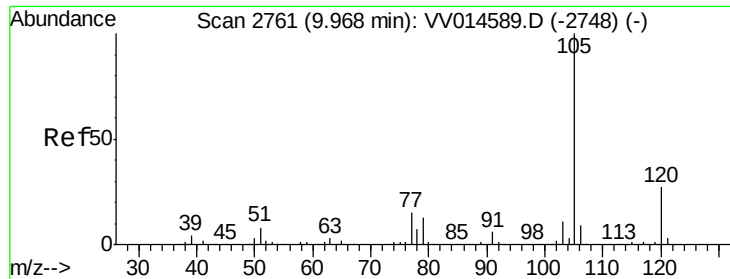
Tgt Ion: 83 Resp: 7625
 Ion Ratio Lower Upper
 83 100
 85 60.1 44.9 83.3
 131 12.5 8.4 12.6



#59
 Bromoform
 Concen: 2.105 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV014596.D
 Acq: 17 Feb 2020 16:24

Tgt Ion: 173 Resp: 3217
 Ion Ratio Lower Upper
 173 100
 175 42.6 38.5 57.7
 254 6.5 7.4 11.0#





#60

Isopropylbenzene

Concen: 2.338 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

Instrument :

MSVOA_V

ClientSampleId :

MDL05

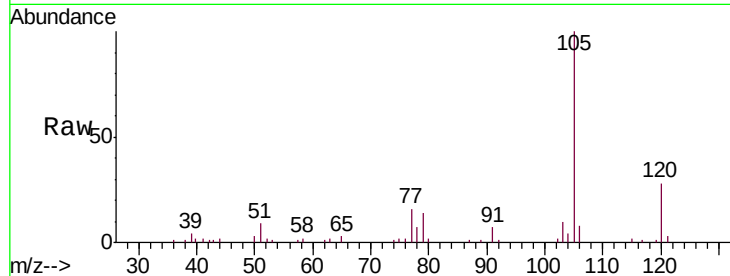
Tgt Ion:105 Resp: 20094

Ion Ratio Lower Upper

105 100

120 28.3 21.4 32.0

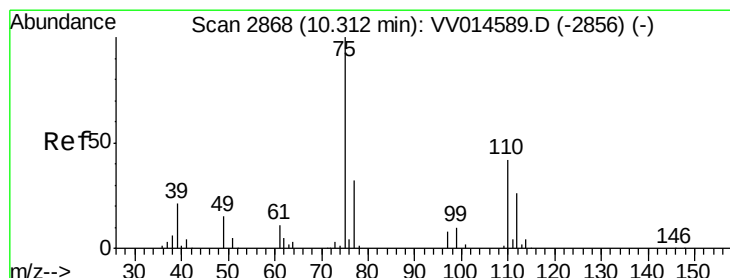
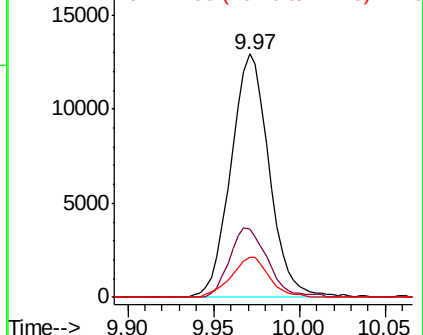
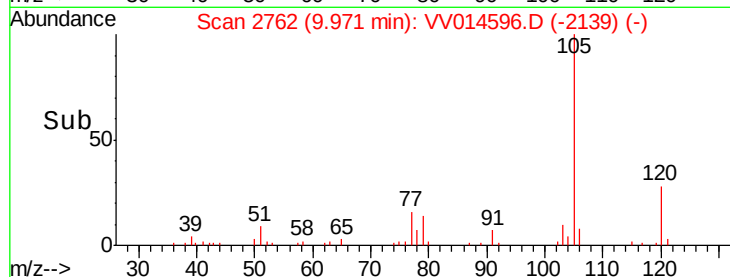
77 16.4 12.2 18.2



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): V



#61

1,2,3-Trichloropropane

Concen: 2.386 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

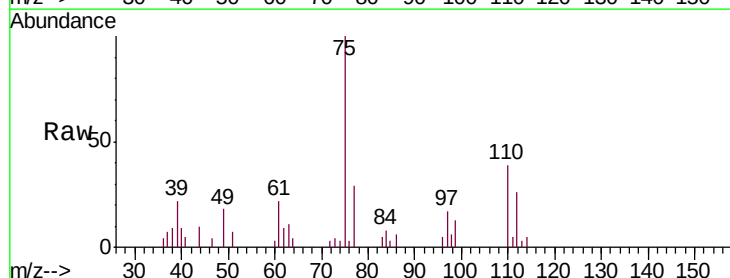
Tgt Ion: 75 Resp: 5384

Ion Ratio Lower Upper

75 100

77 35.9 25.6 38.4

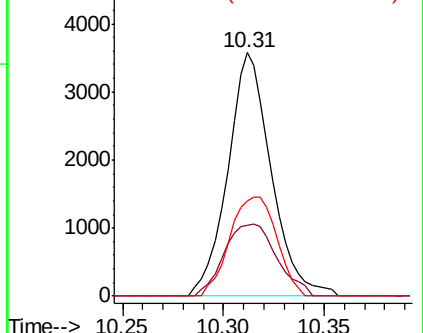
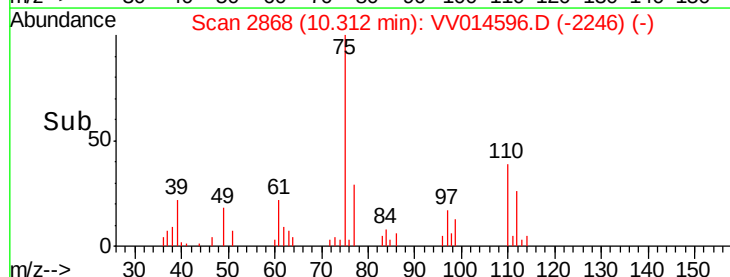
110 44.0 33.4 50.0

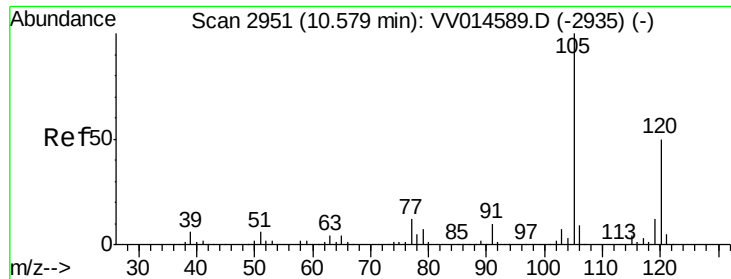


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

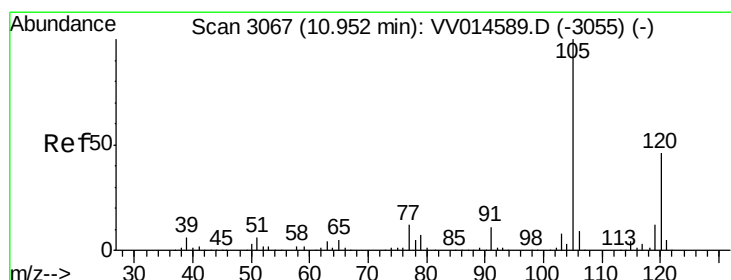
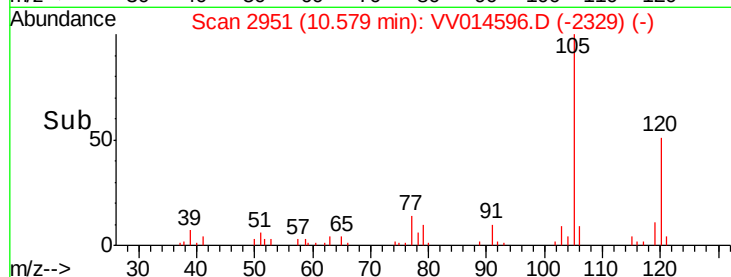
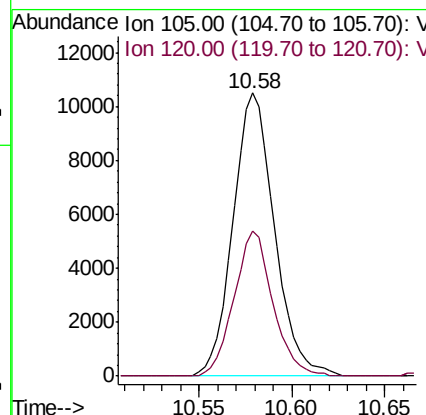
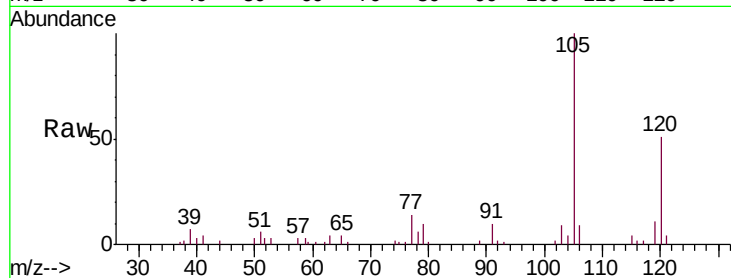




#62
 1,3,5-Trimethylbenzene
 Concen: 2.223 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VV014596.D
 Acq: 17 Feb 2020 16:24

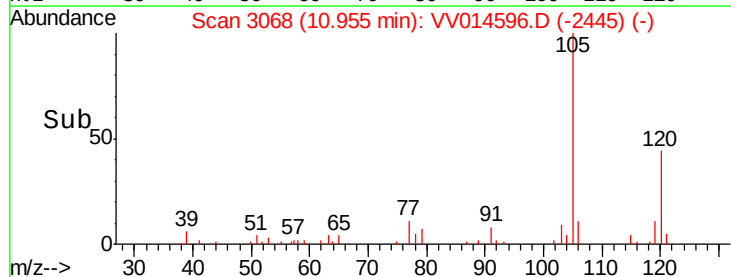
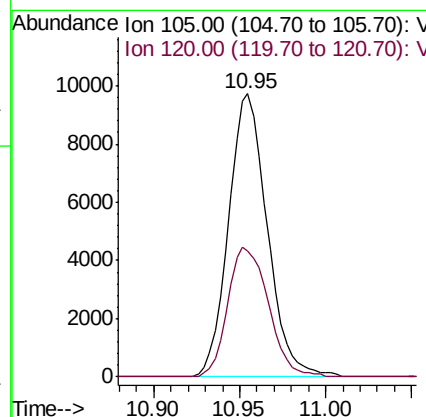
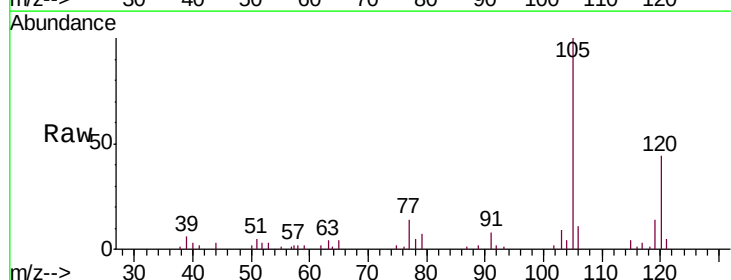
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

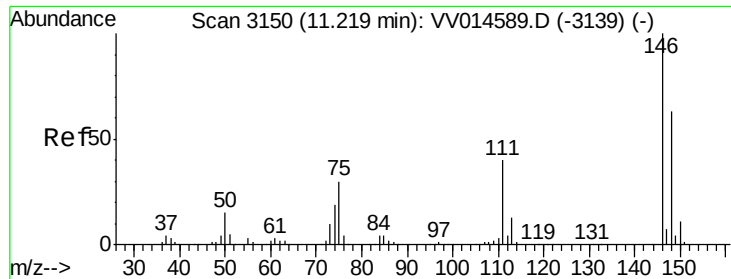
Tgt Ion:105 Resp: 16320
 Ion Ratio Lower Upper
 105 100
 120 47.8 39.8 59.6



#63
 1,2,4-Trimethylbenzene
 Concen: 2.125 ug/L
 RT: 10.95 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VV014596.D
 Acq: 17 Feb 2020 16:24

Tgt Ion:105 Resp: 15239
 Ion Ratio Lower Upper
 105 100
 120 48.1 36.6 55.0

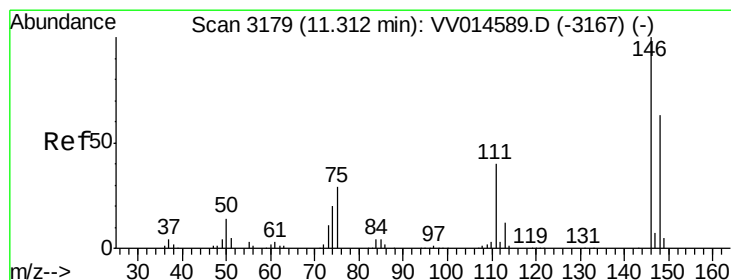
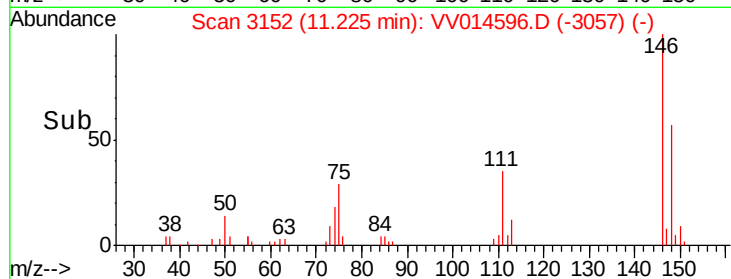
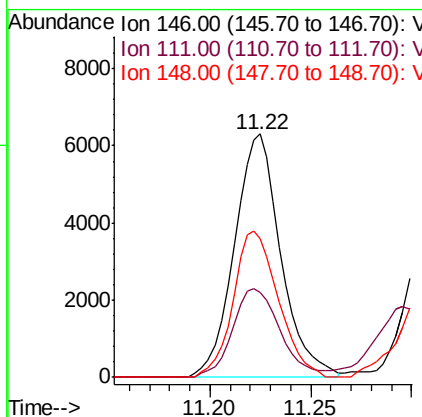
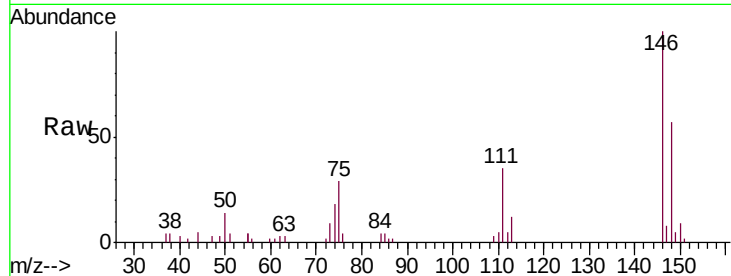




#64
 1,3-Dichlorobenzene
 Concen: 2.467 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.01 min
 Lab File: VV014596.D
 Acq: 17 Feb 2020 16:24

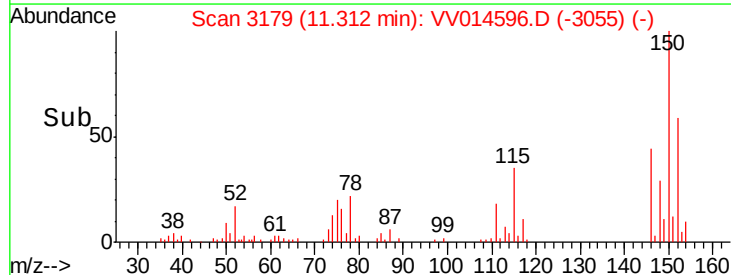
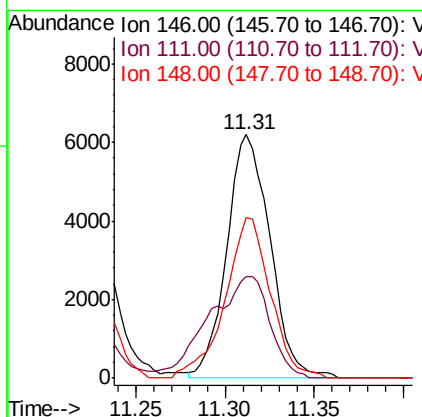
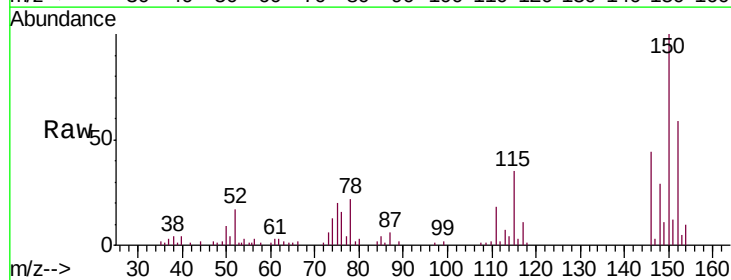
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

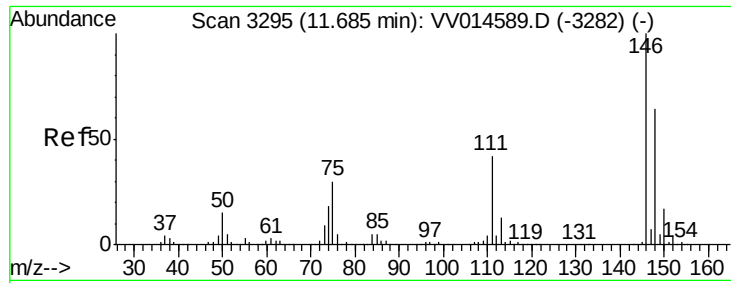
Tgt Ion:146 Resp: 10163
 Ion Ratio Lower Upper
 146 100
 111 34.7 28.3 52.5
 148 56.8 44.0 81.8



#65
 1,4-Dichlorobenzene
 Concen: 2.481 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV014596.D
 Acq: 17 Feb 2020 16:24

Tgt Ion:146 Resp: 10469
 Ion Ratio Lower Upper
 146 100
 111 41.6 27.9 51.9
 148 66.0 44.2 82.2

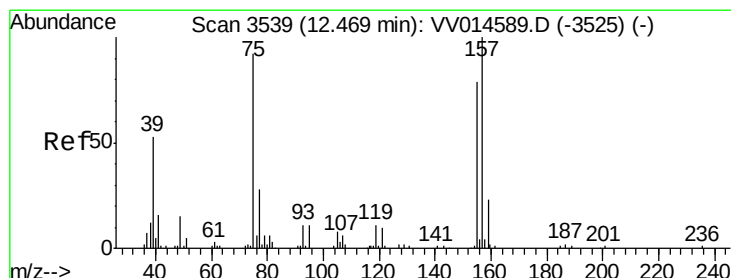
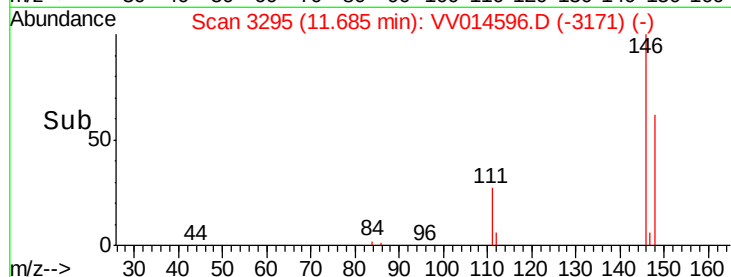
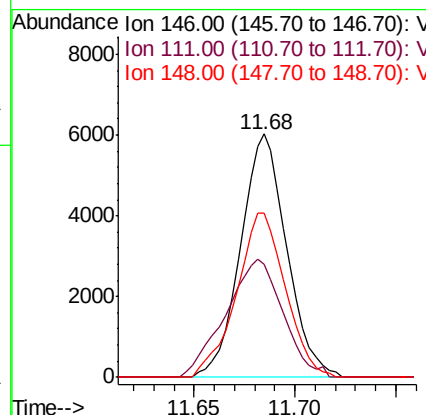
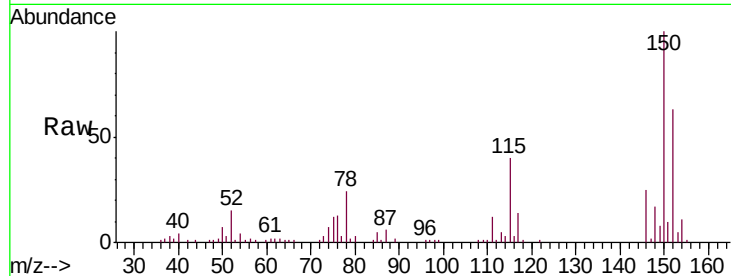




#67
 1,2-Dichlorobenzene
 Concen: 2.374 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014596.D
 Acq: 17 Feb 2020 16:24

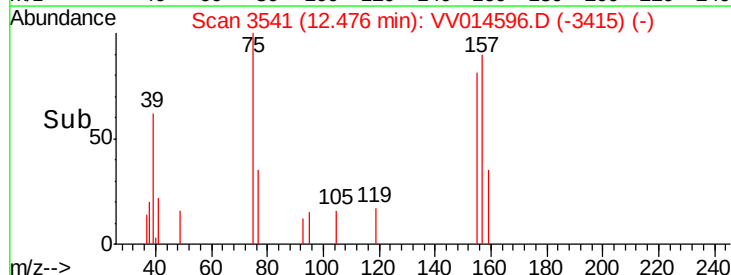
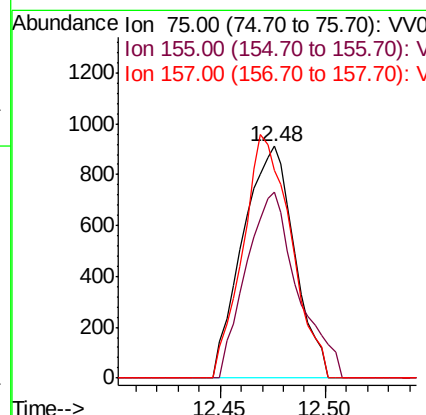
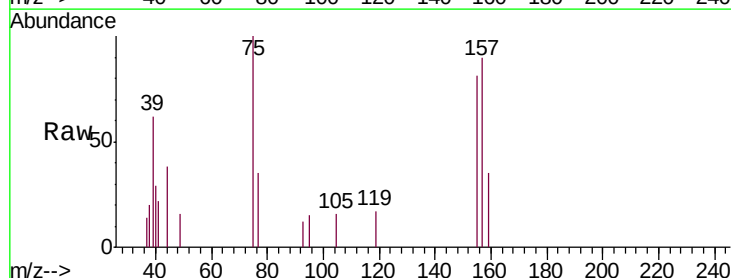
Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

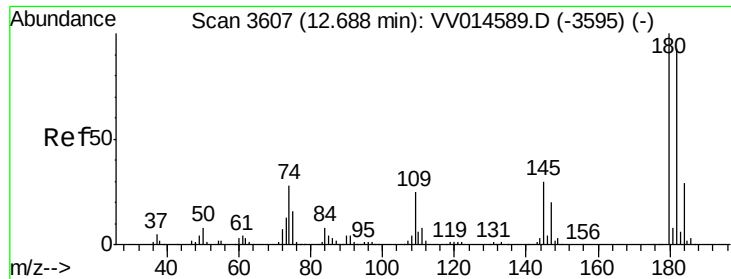
Tgt Ion: 146 Resp: 9624
 Ion Ratio Lower Upper
 146 100
 111 46.5 34.1 51.1
 148 67.4 51.1 76.7



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.290 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.01 min
 Lab File: VV014596.D
 Acq: 17 Feb 2020 16:24

Tgt Ion: 75 Resp: 1553
 Ion Ratio Lower Upper
 75 100
 155 80.6 69.4 104.0
 157 89.8 87.4 131.0

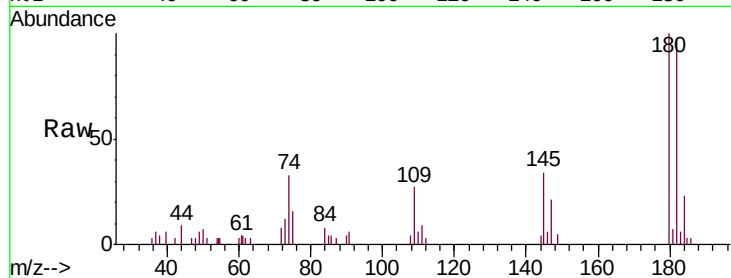




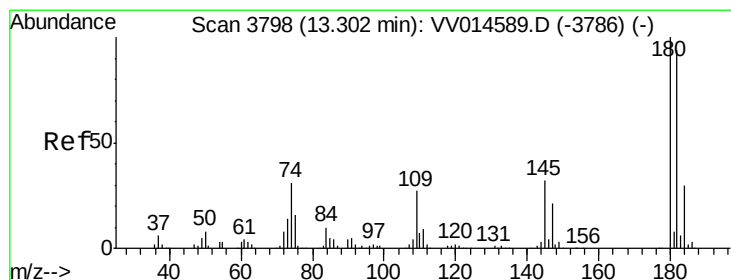
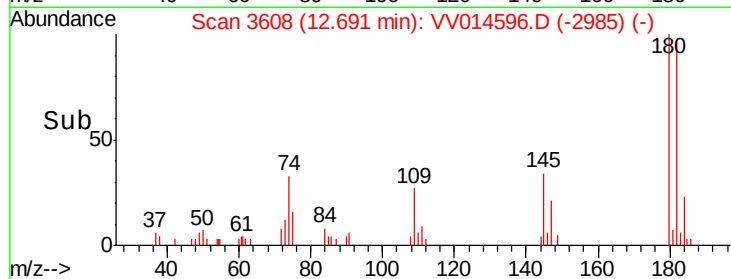
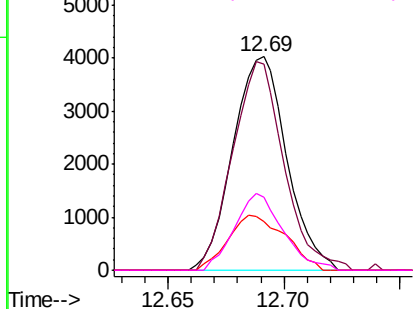
#69
 1,3,5-Trichlorobenzene
 Concen: 2.185 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV014596.D
 Acq: 17 Feb 2020 16:24

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion:180 Resp: 6502
 Ion Ratio Lower Upper
 180 100
 182 92.7 75.6 113.4
 184 27.3 23.4 35.2
 145 32.4 25.2 37.8

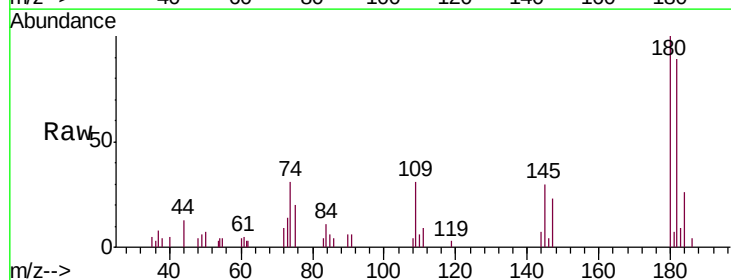


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

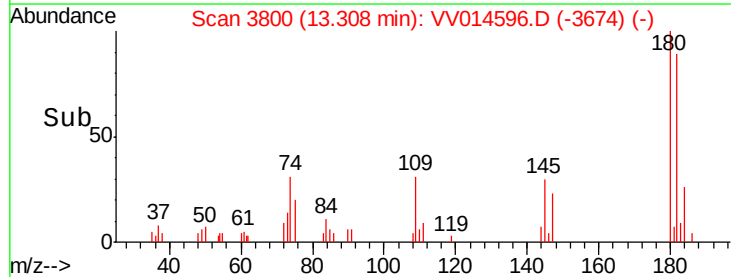
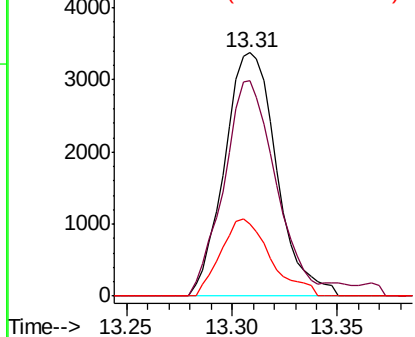


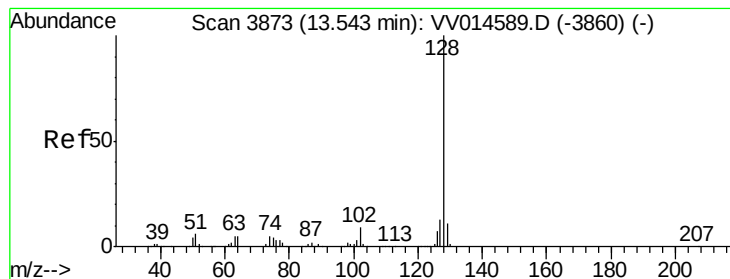
#70
 1,2,4-trichlorobenzene
 Concen: 2.160 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.01 min
 Lab File: VV014596.D
 Acq: 17 Feb 2020 16:24

Tgt Ion:180 Resp: 5811
 Ion Ratio Lower Upper
 180 100
 182 87.7 75.8 113.6
 145 30.3 25.5 38.3



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





#71

Naphthalene

Concen: 1.893 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.01 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

Instrument :

MSVOA_V

ClientSampled :

MDL05

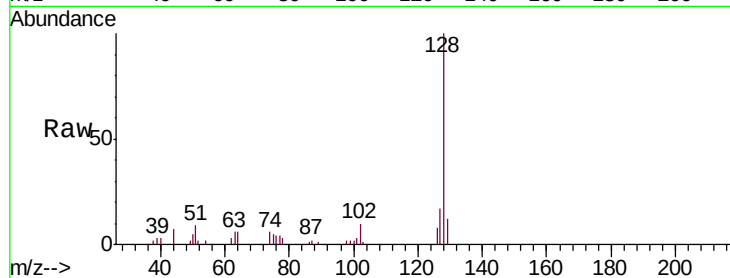
Tgt Ion:128 Resp: 15591

Ion Ratio Lower Upper

128 100

127 13.6 10.3 15.5

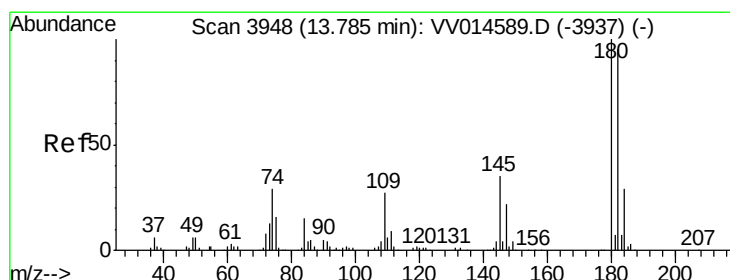
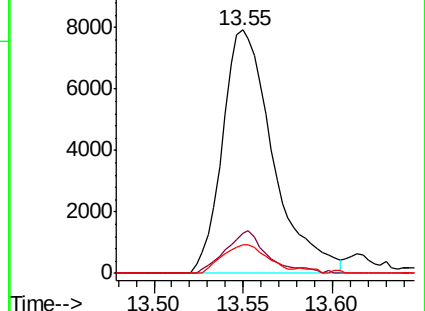
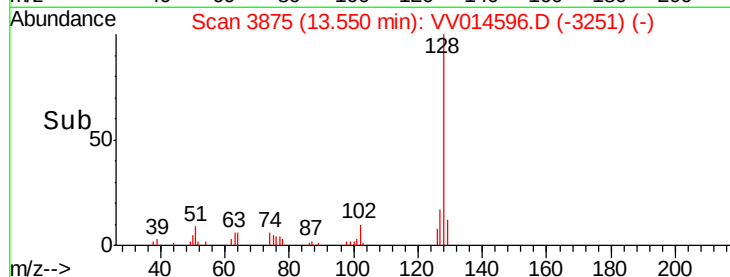
129 10.3 8.6 13.0



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



#72

1,2,3-Trichlorobenzene

Concen: 2.058 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.01 min

Lab File: VV014596.D

Acq: 17 Feb 2020 16:24

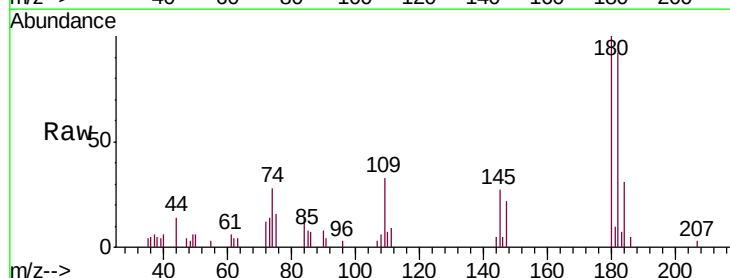
Tgt Ion:180 Resp: 5404

Ion Ratio Lower Upper

180 100

182 89.8 76.0 114.0

145 30.6 27.7 41.5



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

