

Data File : VV008397.D
Acq On : 24 Oct 2018 17:28
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

Quant Time: Oct 25 08:54:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 25 08:48:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	192797	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	180421	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	87885	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42801	40.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.20%
7) Chloroethane-d5	1.56	69	34736	45.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.14%
11) 1,1-Dichloroethene-d2	2.13	63	85543	44.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.74%
21) 2-Butanone-d5	3.93	46	111452	96.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.07%
24) Chloroform-d	4.41	84	121765	46.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.50%
26) 1,2-Dichloroethane-d4	5.09	65	81359	46.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.44%
32) Benzene-d6	5.10	84	231807	45.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.18%
36) 1,2-Dichloropropane-d6	6.12	67	80789	45.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.54%
41) Toluene-d8	7.36	98	210744	45.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.28%
43) trans-1,3-Dichloropropene-	7.67	79	40120	46.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.54%
47) 2-Hexanone-d5	8.14	63	90636	97.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.26%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	117291	48.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.06%
64) 1,2-Dichlorobenzene-d4	11.68	152	82498	45.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.78%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	67936	49.346	ug/L 100
3) Chloromethane	1.25	50	68650	46.550	ug/L 99
5) Vinyl chloride	1.33	62	67894	49.685	ug/L 96
6) Bromomethane	1.52	94	18454	49.219	ug/L 96
8) Chloroethane	1.58	64	37128	51.718	ug/L 93
9) Trichlorofluoromethane	1.76	101	86583	49.233	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	47228	51.403	ug/L 99
12) 1,1-Dichloroethene	2.14	96	42889	49.580	ug/L 96
13) Acetone	2.19	43	104016	115.526	ug/L 99
14) Carbon disulfide	2.32	76	191028	49.030	ug/L 99
15) Methyl Acetate	2.46	43	84423	47.019	ug/L 99
16) Methylene chloride	2.54	84	72609	48.464	ug/L 98
17) trans-1,2-Dichloroethene	2.79	96	65119	49.384	ug/L 100
18) Methyl tert-butyl Ether	2.81	73	233168	49.404	ug/L 100
19) 1,1-Dichloroethane	3.23	63	133708	49.165	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	75656	50.361	ug/L 96
22) 2-Butanone	4.02	43	136250	104.747	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	35040	49.458	ug/L	99
25) Chloroform	4.43	83	132076	49.748	ug/L	99
27) 1,2-Dichloroethane	5.18	62	106673	48.105	ug/L	99
29) Cyclohexane	4.73	56	129601	49.336	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	113914	48.687	ug/L	99
31) Carbon tetrachloride	4.88	117	97499	49.105	ug/L	100
33) Benzene	5.15	78	289340	49.060	ug/L	100
34) Trichloroethene	5.96	95	73671	48.792	ug/L	98
35) Methylcyclohexane	6.18	83	130851	50.973	ug/L	99
37) 1,2-Dichloropropane	6.23	63	80263	49.278	ug/L	100
38) Bromodichloromethane	6.56	83	101054	48.688	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	127966	49.973	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	233414	96.773	ug/L	100
42) Toluene	7.43	91	300955	49.127	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	119216	49.763	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	70490	48.947	ug/L	99
46) Tetrachloroethene	8.02	164	50939	51.750	ug/L	98
48) 2-Hexanone	8.19	43	193762	104.109	ug/L	99
49) Dibromochloromethane	8.29	129	75404	48.723	ug/L	100
50) 1,2-Dibromoethane	8.40	107	72766	48.165	ug/L	99
51) Chlorobenzene	8.93	112	186804	49.523	ug/L	100
52) Ethylbenzene	9.06	91	344758	50.241	ug/L	100
53) m,p-Xylene	9.18	106	125996	50.258	ug/L	98
54) o-xylene	9.59	106	125818	50.259	ug/L	99
55) Styrene	9.61	104	214804	50.924	ug/L	97
56) Isopropylbenzene	9.98	105	334343	51.044	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	127289	50.467	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	101214	49.584	ug/L	100
61) Bromoform	9.78	173	52582	47.417	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	145049	49.920	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	143712	49.348	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	147381	49.740	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	28483	46.758	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	98368	51.846	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	77816	50.694	ug/L	98
69) Naphthalene	13.56	128	228848	46.104	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	76004	49.543	ug/L	99

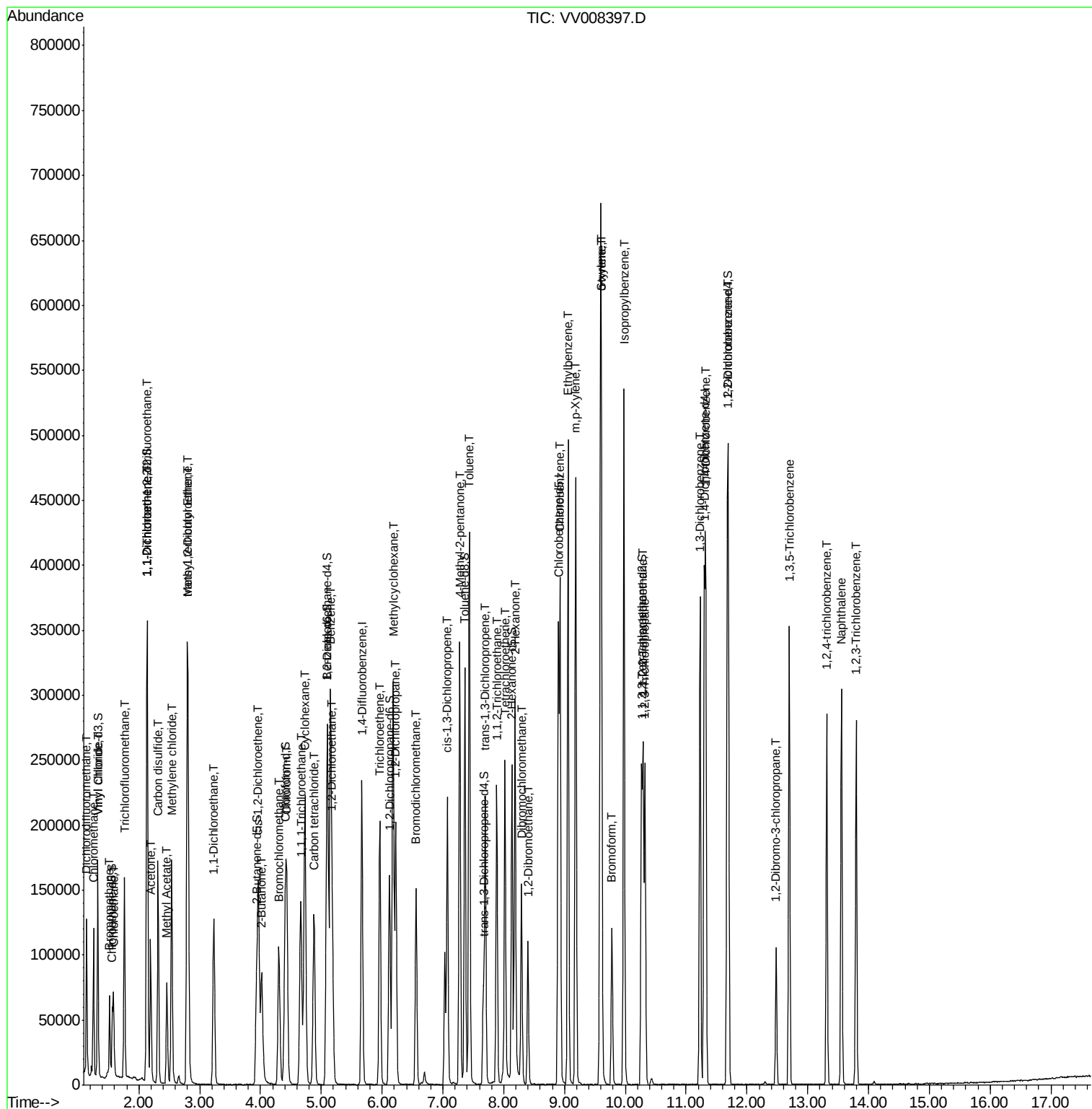
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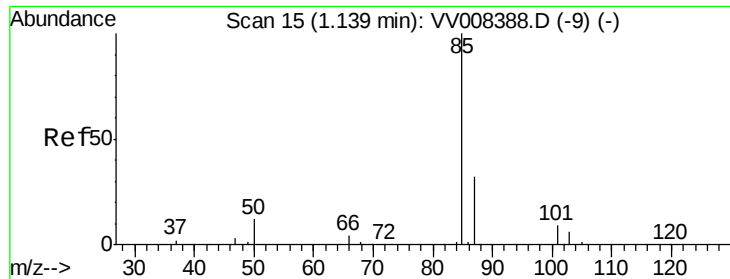
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#2

Dichlorodifluoromethane

Concen: 49.346 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

Instrument :

MSVOA_V

ClientSampleId :

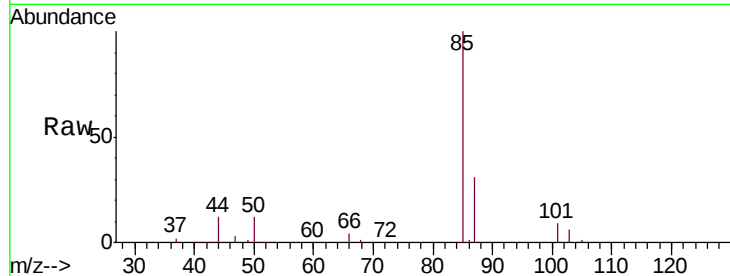
VSTD05075

Tgt Ion: 85 Resp: 67936

Ion Ratio Lower Upper

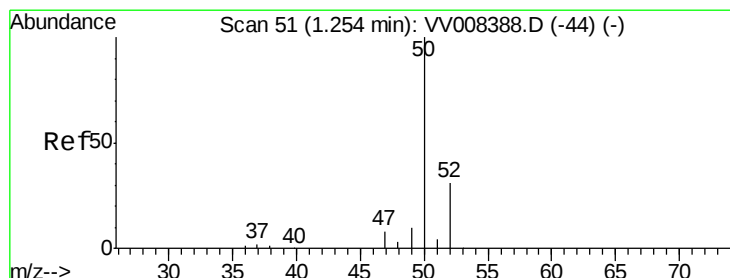
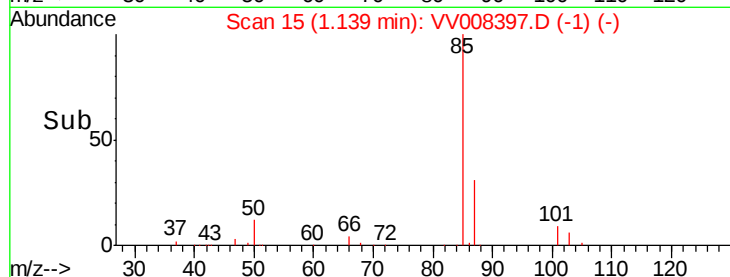
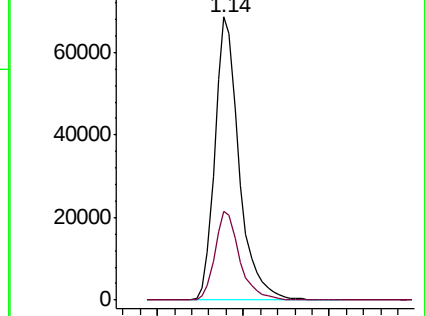
85 100

87 31.7 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV008388.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV008397.D (-1) (-)



#3

Chloromethane

Concen: 46.550 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV008397.D

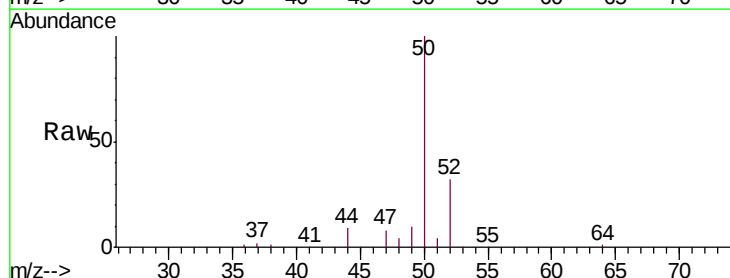
Acq: 24 Oct 2018 17:28

Tgt Ion: 50 Resp: 68650

Ion Ratio Lower Upper

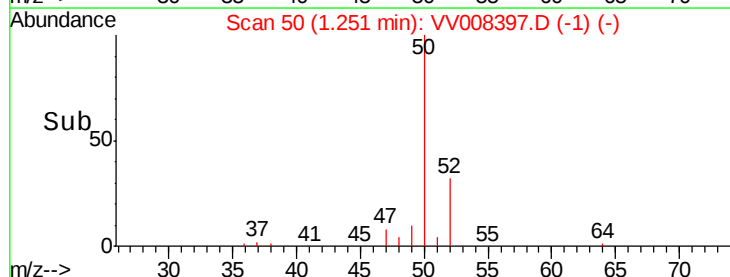
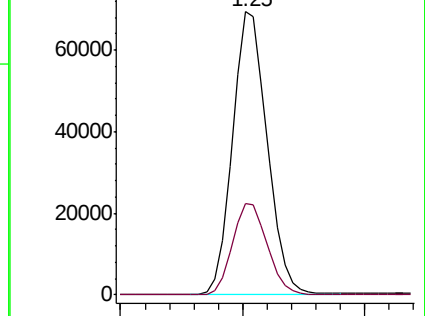
50 100

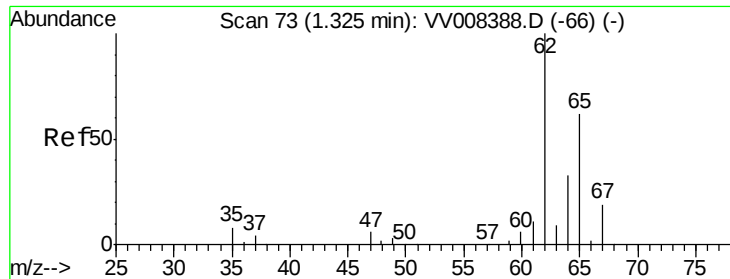
52 32.5 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV008388.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV008397.D (-1) (-)





#5

Vinyl chloride

Concen: 49.685 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

Instrument :

MSVOA_V

ClientSampleId :

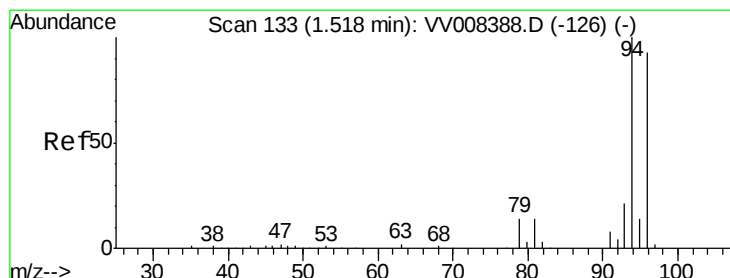
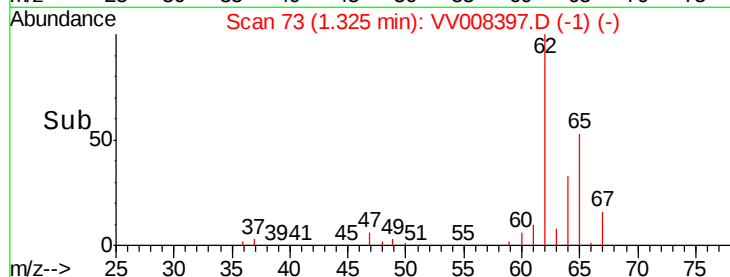
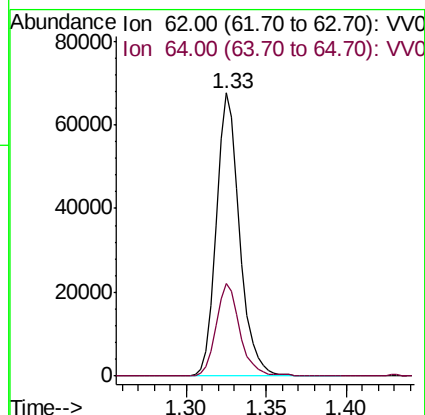
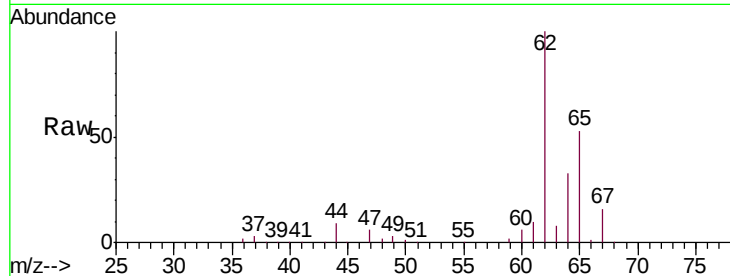
VSTD05075

Tgt Ion: 62 Resp: 67894

Ion Ratio Lower Upper

62 100

64 32.6 24.4 45.4



#6

Bromomethane

Concen: 49.219 ug/L

RT: 1.52 min Scan# 133

Delta R.T. 0.00 min

Lab File: VV008397.D

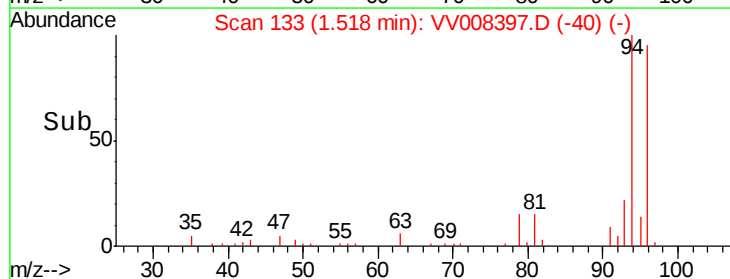
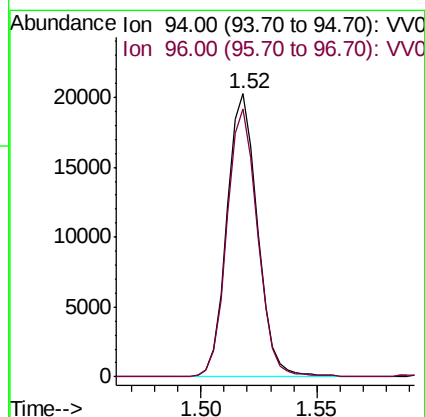
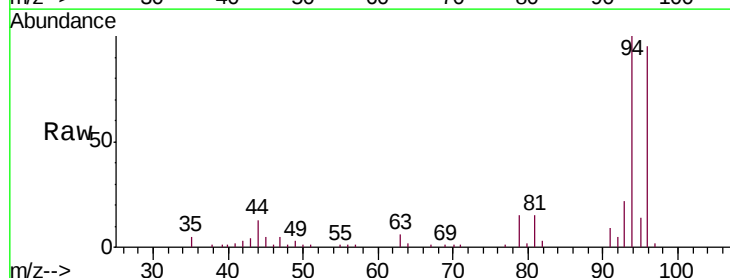
Acq: 24 Oct 2018 17:28

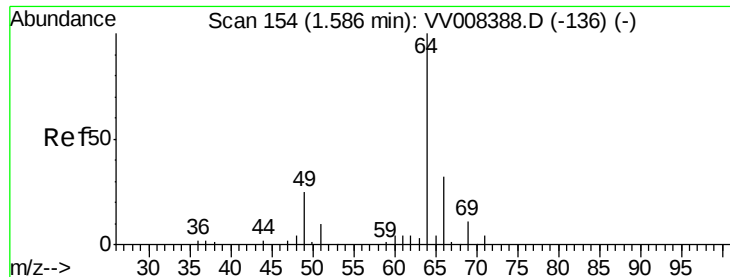
Tgt Ion: 94 Resp: 18454

Ion Ratio Lower Upper

94 100

96 94.5 63.8 118.6





#8

Chloroethane

Concen: 51.718 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

Instrument :

MSVOA_V

ClientSampleId :

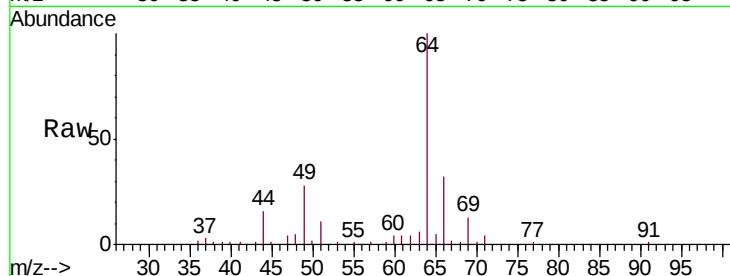
VSTD05075

Tgt Ion: 64 Resp: 37128

Ion Ratio Lower Upper

64 100

66 31.8 19.9 36.9



Abundance Ion 64.00 (63.70 to 64.70): VV008388.D (-136) (-)

Ion 66.00 (65.70 to 66.70): VV008388.D (-136) (-)

1.58

30000

25000

20000

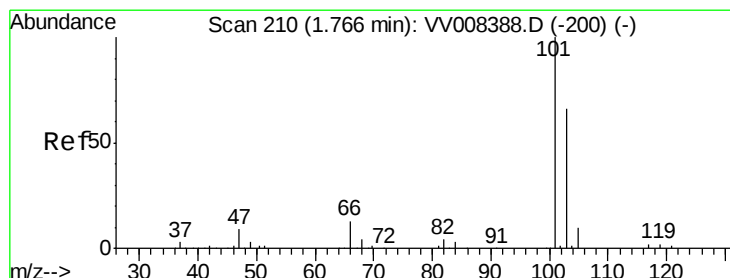
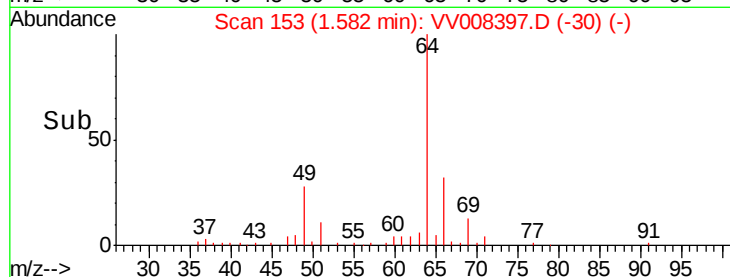
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 49.233 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV008397.D

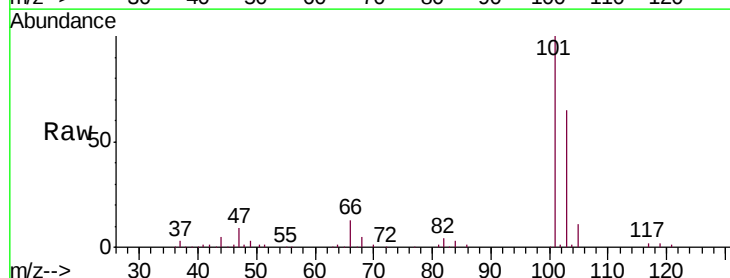
Acq: 24 Oct 2018 17:28

Tgt Ion: 101 Resp: 86583

Ion Ratio Lower Upper

101 100

103 65.4 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VV008388.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV008388.D (-200) (-)

1.76

80000

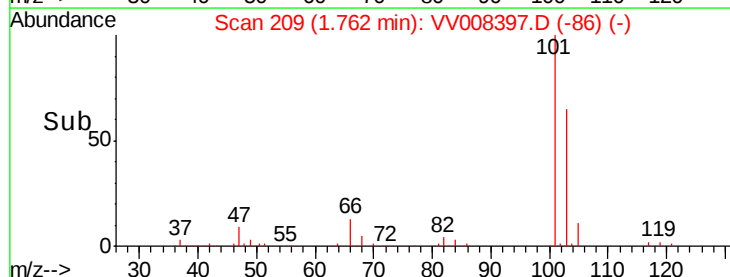
60000

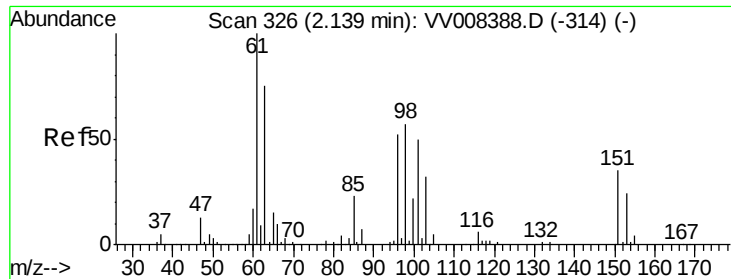
40000

20000

0

Time-->





#10

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

Concen: 51.403 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

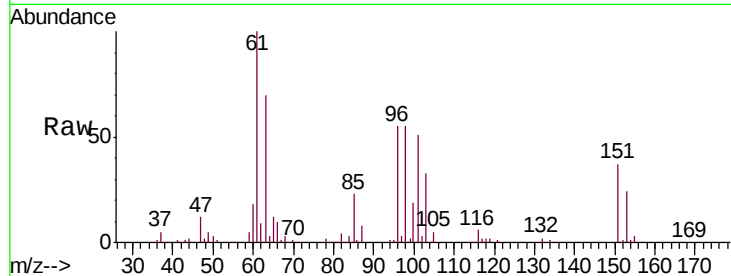
Tgt Ion:101 Resp: 47228

Ion Ratio Lower Upper

101 100

85 45.6 35.6 53.4

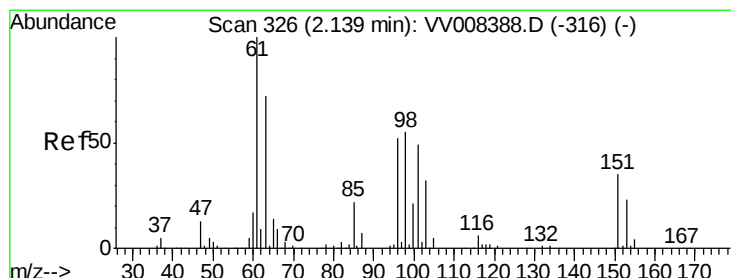
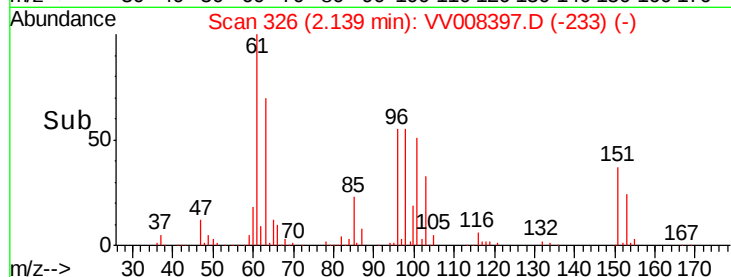
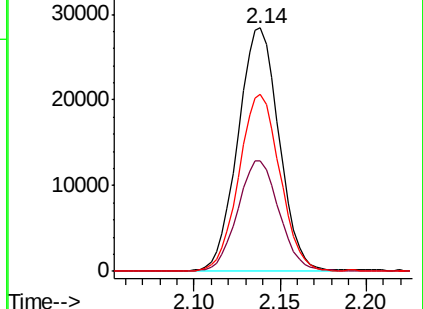
151 72.6 58.1 87.1



Abundance Ion 101.00 (100.70 to 101.70): VV008388.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV008388.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV008388.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 49.580 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

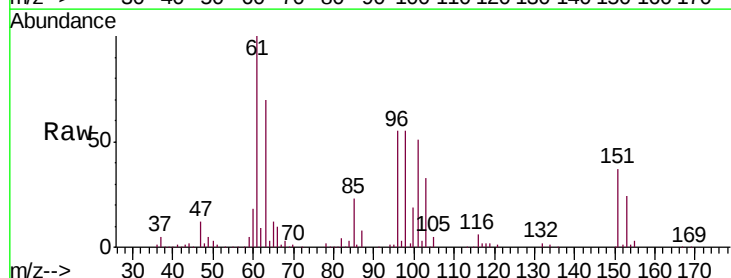
Tgt Ion: 96 Resp: 42889

Ion Ratio Lower Upper

96 100

61 183.2 130.3 242.1

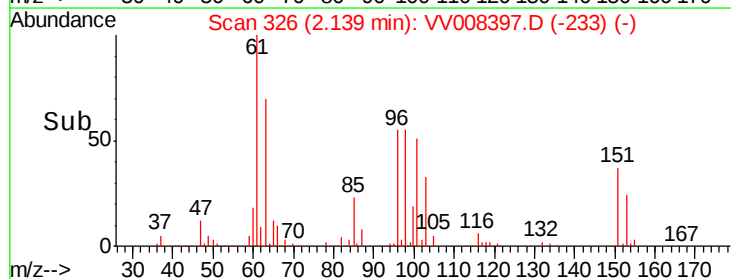
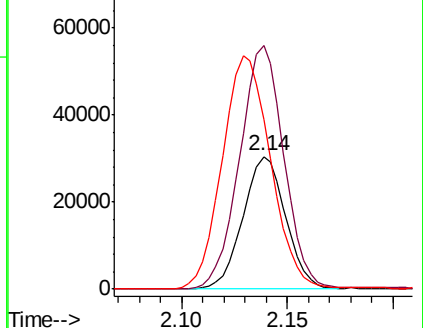
63 127.5 84.4 156.8

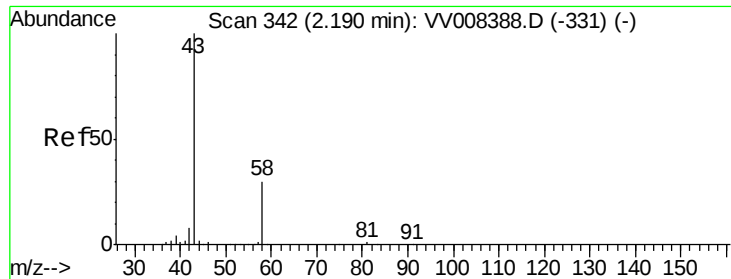


Abundance Ion 96.00 (95.70 to 96.70): VV008388.D (-316) (-)

Ion 61.00 (60.70 to 61.70): VV008388.D (-316) (-)

Ion 63.00 (62.70 to 63.70): VV008388.D (-316) (-)





#13

Acetone

Concen: 115.526 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

Instrument :

MSVOA_V

ClientSampleId :

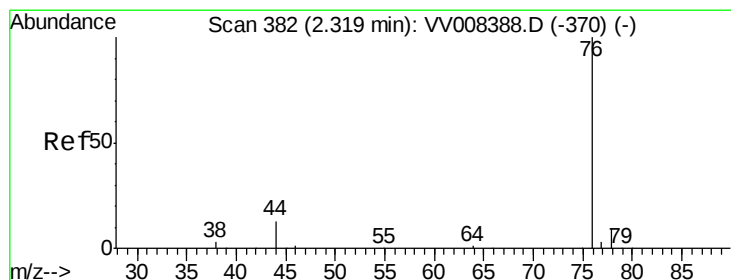
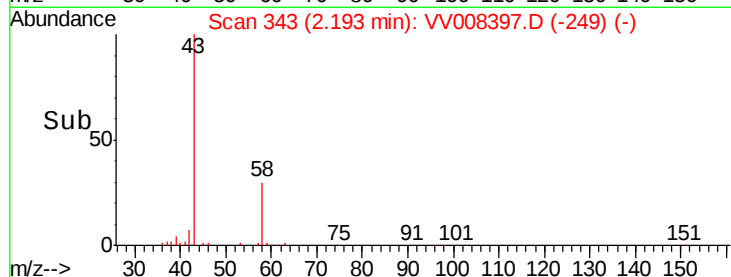
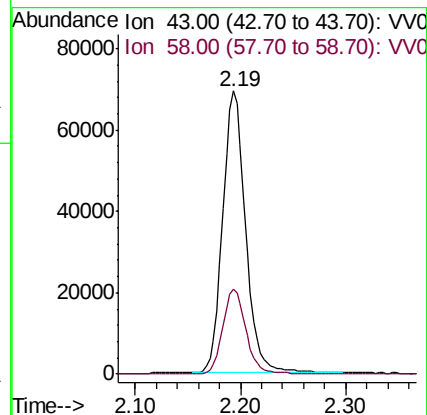
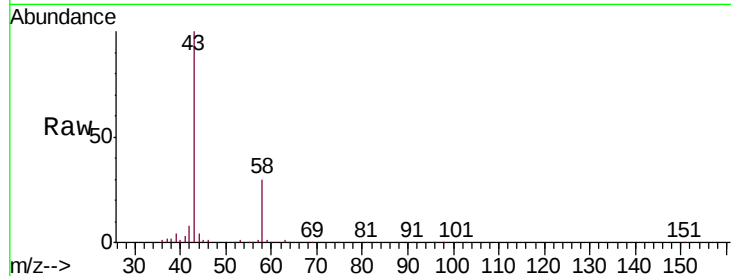
VSTD05075

Tgt Ion: 43 Resp: 104016

Ion Ratio Lower Upper

43 100

58 30.1 0.0 61.4



#14

Carbon disulfide

Concen: 49.030 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV008397.D

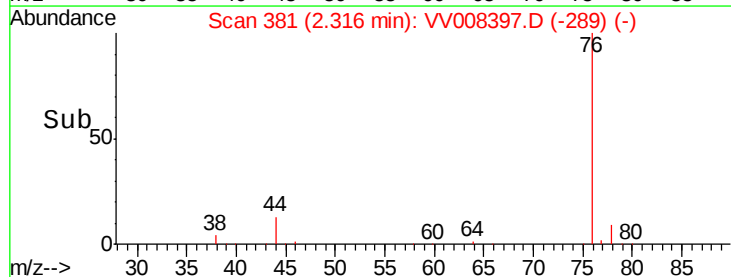
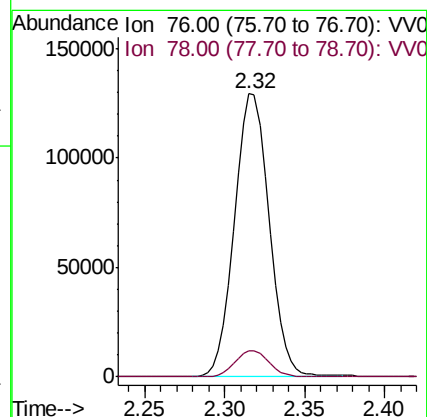
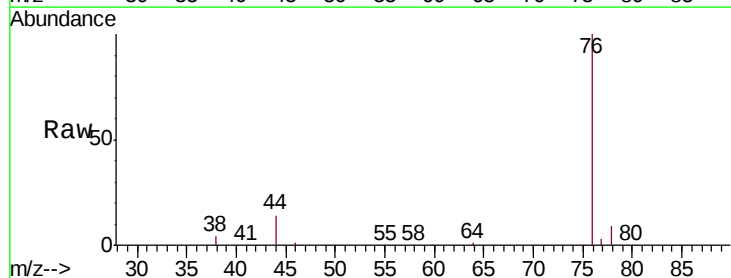
Acq: 24 Oct 2018 17:28

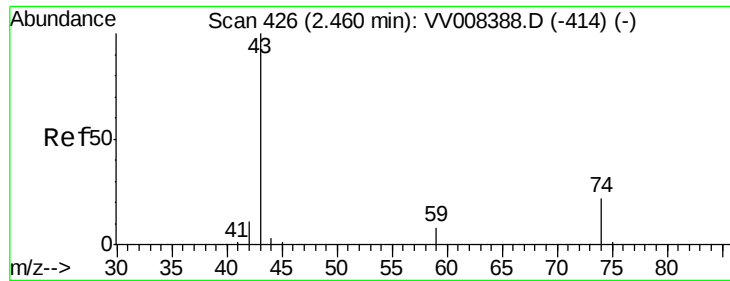
Tgt Ion: 76 Resp: 191028

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9





#15

Methyl Acetate

Concen: 47.019 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

Instrument :

MSVOA_V

ClientSampleId :

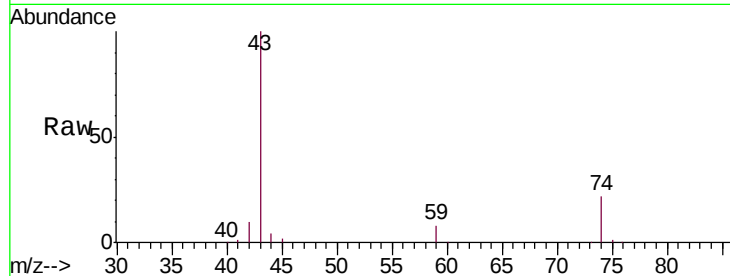
VSTD05075

Tgt Ion: 43 Resp: 84423

Ion Ratio Lower Upper

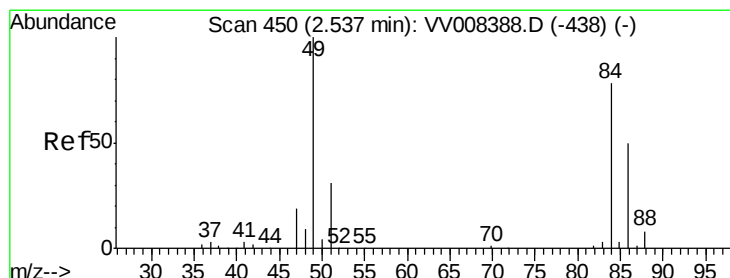
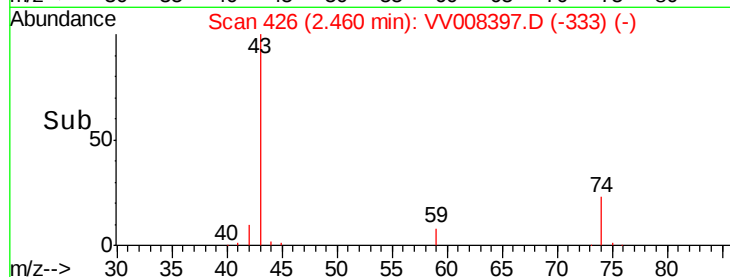
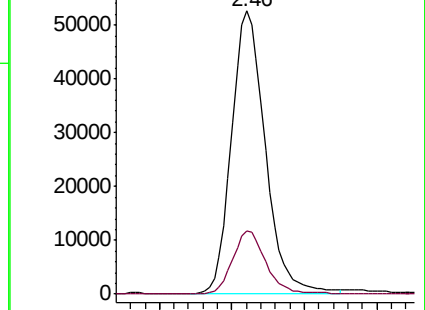
43 100

74 21.9 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VV008388.D (-414) (-)

Ion 74.00 (73.70 to 74.70): VV008388.D (-414) (-)



#16

Methylene chloride

Concen: 48.464 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

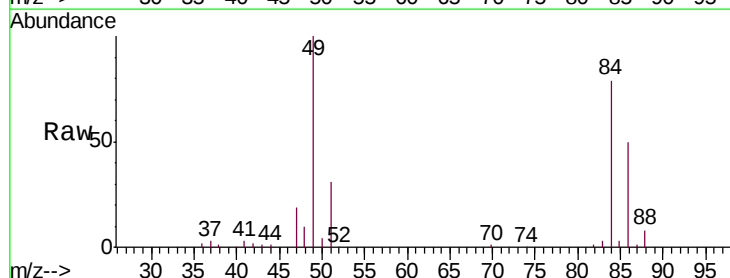
Tgt Ion: 84 Resp: 72609

Ion Ratio Lower Upper

84 100

86 63.6 45.6 84.6

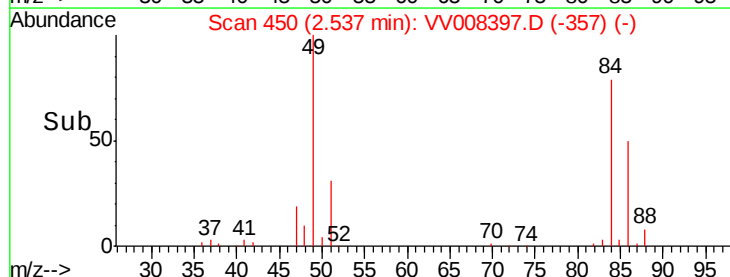
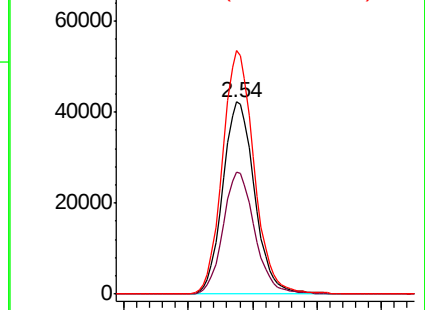
49 126.6 90.6 168.3

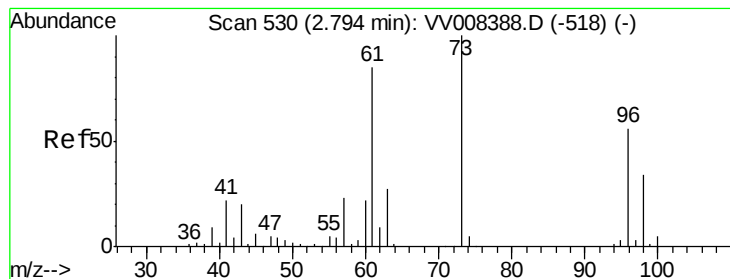


Abundance Ion 84.00 (83.70 to 84.70): VV008388.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV008388.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV008388.D (-438) (-)





#17

trans-1,2-Dichloroethene

Concen: 49.384 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

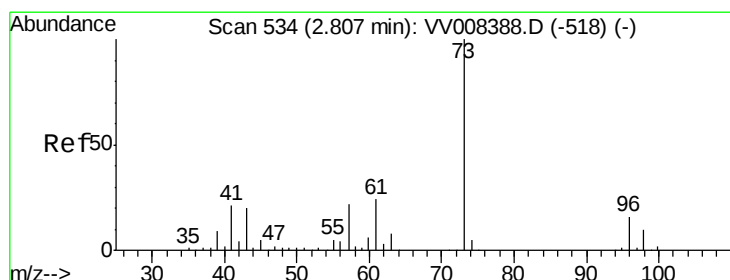
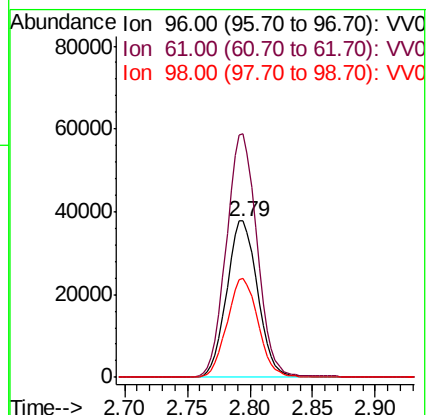
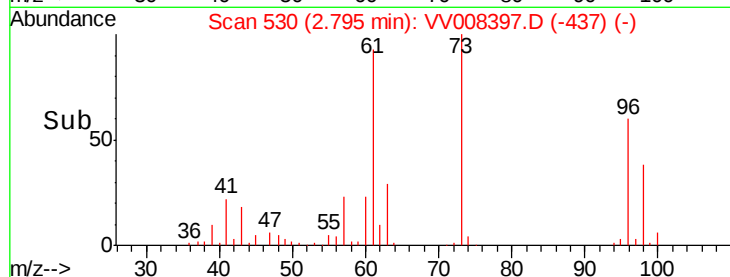
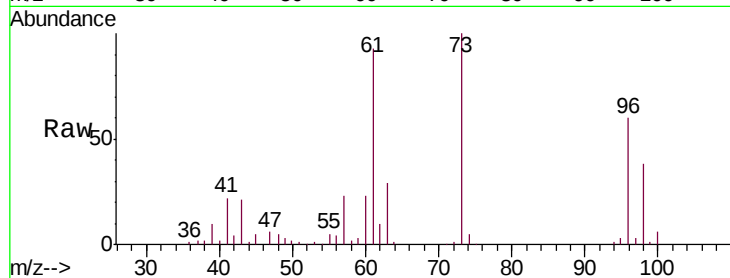
Tgt Ion: 96 Resp: 65119

Ion Ratio Lower Upper

96 100

61 155.6 108.6 201.6

98 63.6 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 49.404 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

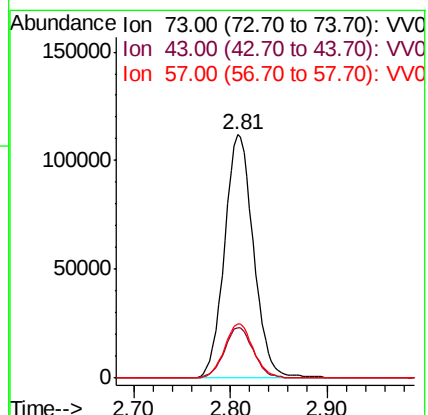
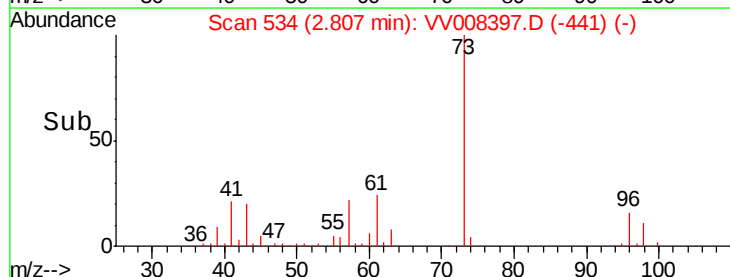
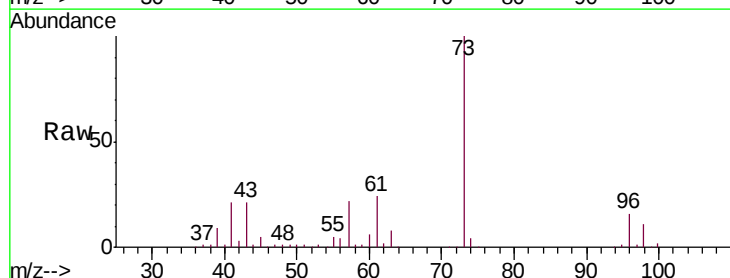
Tgt Ion: 73 Resp: 233168

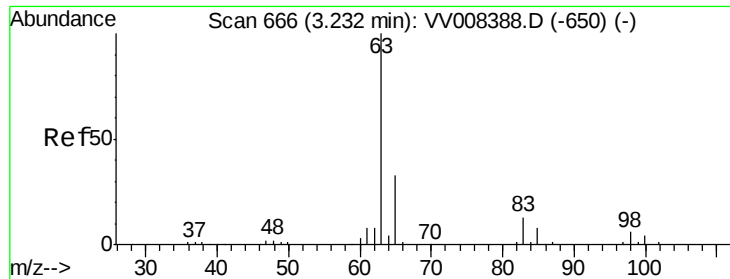
Ion Ratio Lower Upper

73 100

43 20.5 16.2 24.4

57 22.5 18.2 27.2

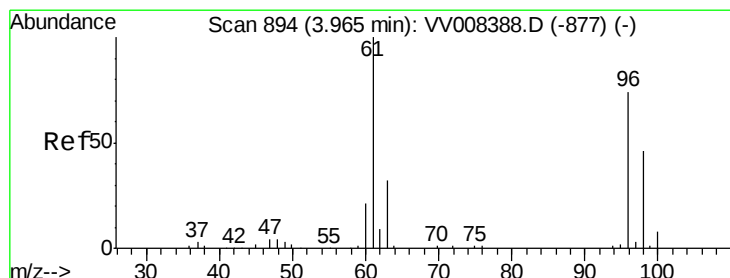
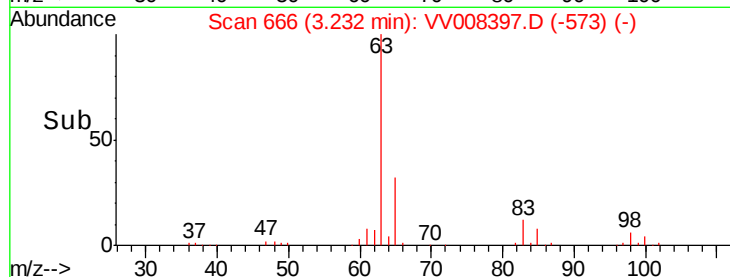
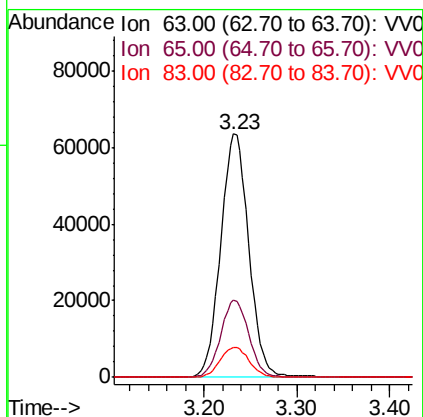
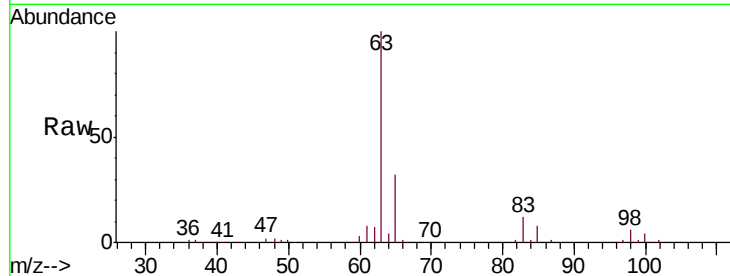




#19
 1,1-Dichloroethane
 Concen: 49.165 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008397.D
 Acq: 24 Oct 2018 17:28

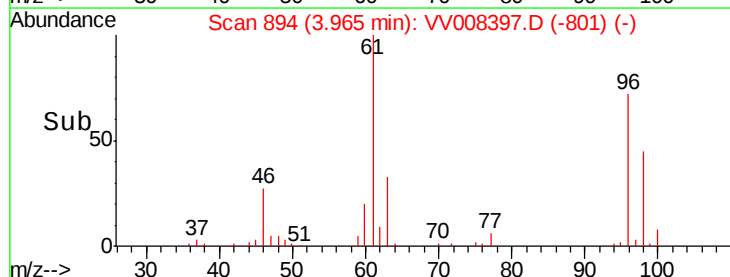
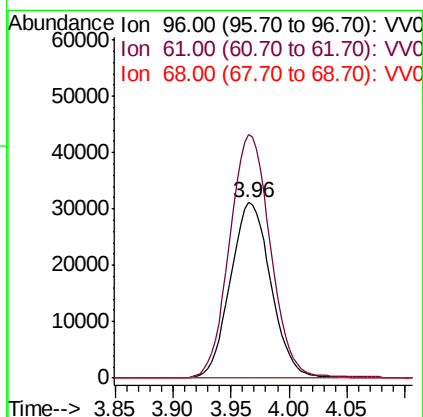
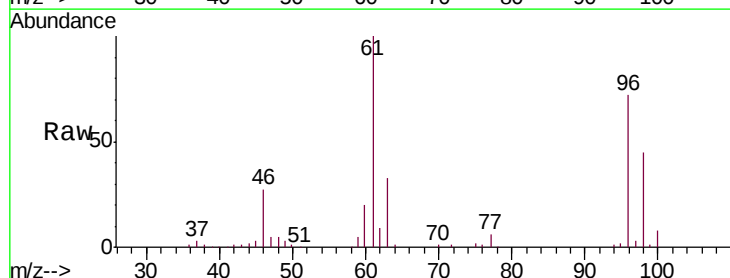
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

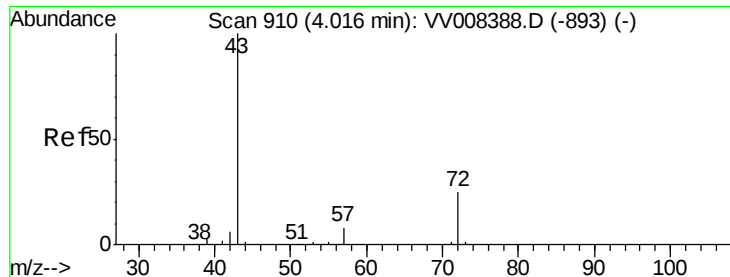
Tgt Ion: 63 Resp: 133708
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.0 40.8
 83 12.4 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 50.361 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV008397.D
 Acq: 24 Oct 2018 17:28

Tgt Ion: 96 Resp: 75656
 Ion Ratio Lower Upper
 96 100
 61 138.9 100.9 187.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 104.747 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

Instrument :

MSVOA_V

ClientSampleId :

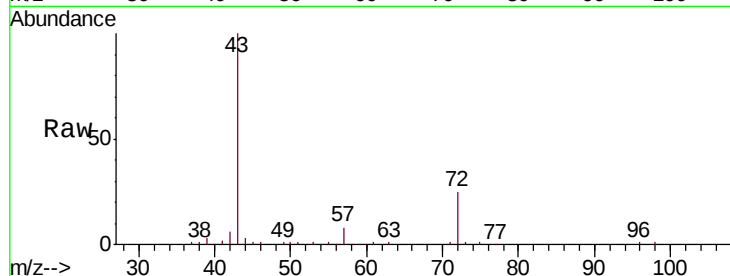
VSTD05075

Tgt Ion: 43 Resp: 136250

Ion Ratio Lower Upper

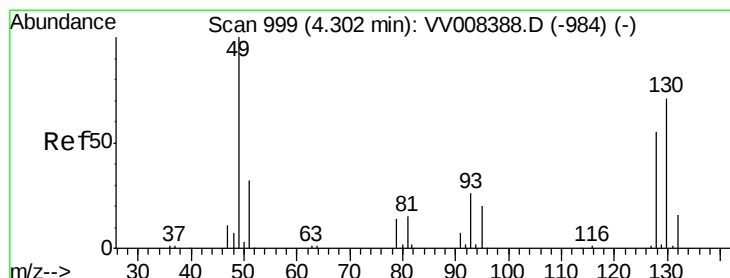
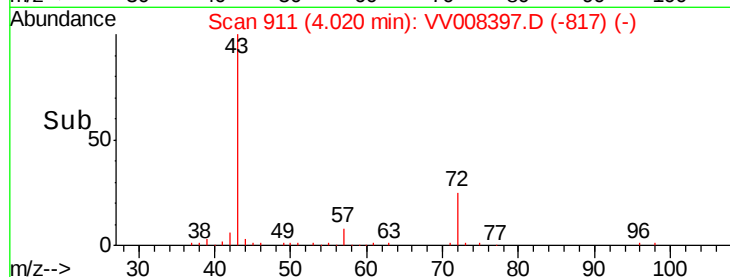
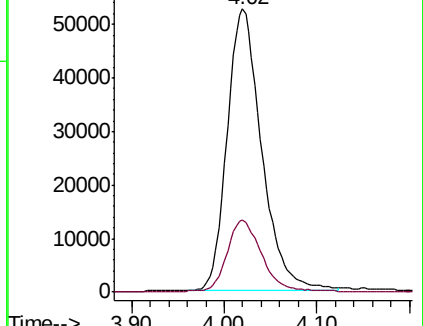
43 100

72 24.2 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV008388.D (-893) (-)

Ion 72.00 (71.70 to 72.70): VV008388.D (-893) (-)



#23

Bromochloromethane

Concen: 49.458 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

Tgt Ion: 128 Resp: 35040

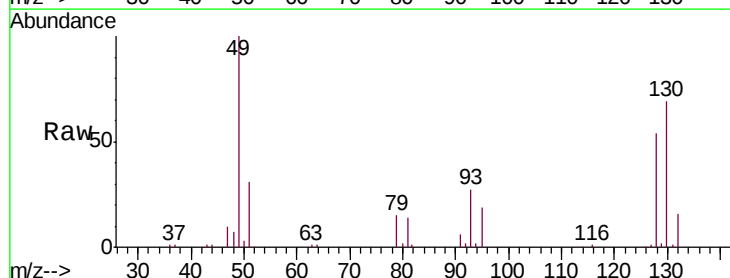
Ion Ratio Lower Upper

128 100

49 184.2 128.0 237.8

130 126.5 89.2 165.8

51 57.1 46.8 70.2

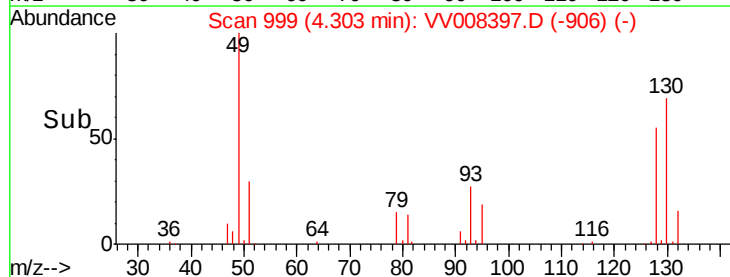
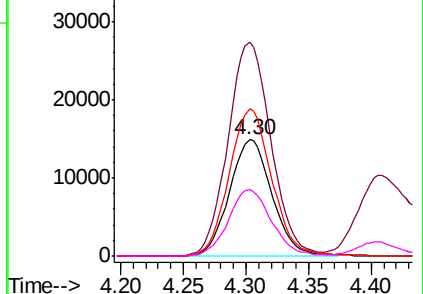


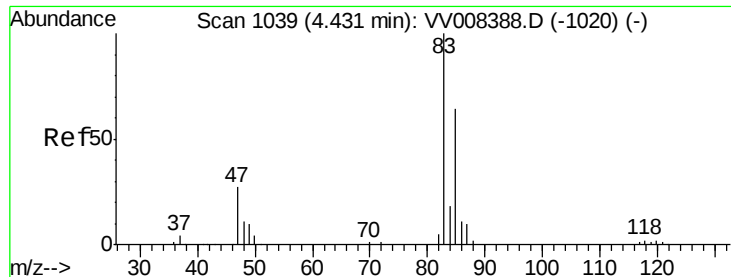
Abundance Ion 128.00 (127.70 to 128.70): VV008388.D (-984) (-)

Ion 49.00 (48.70 to 49.70): VV008388.D (-984) (-)

Ion 130.00 (129.70 to 130.70): VV008388.D (-984) (-)

Ion 51.00 (50.70 to 51.70): VV008388.D (-984) (-)

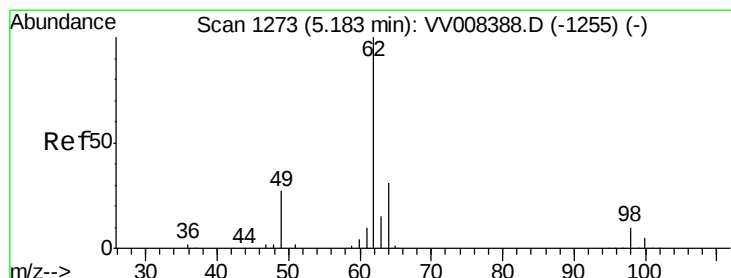
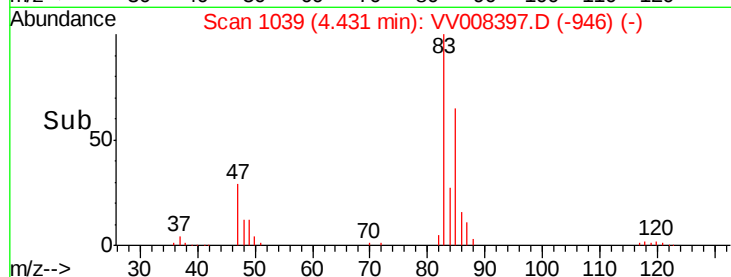
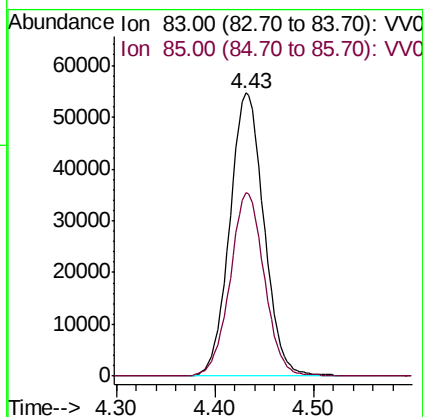
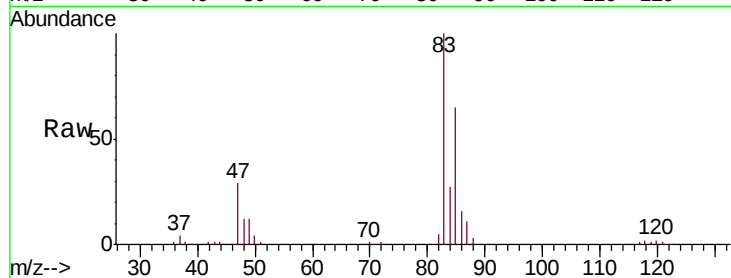




#25
Chloroform
Concen: 49.748 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008397.D
Acq: 24 Oct 2018 17:28

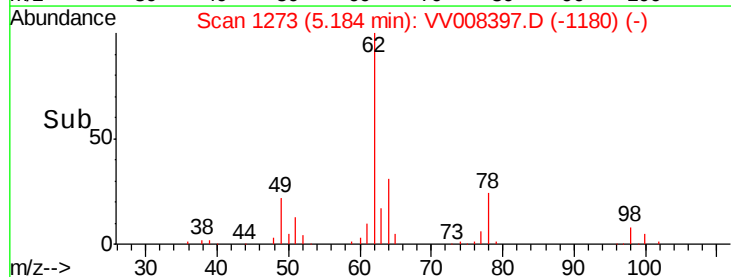
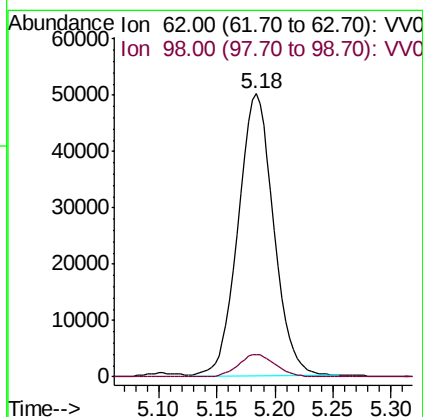
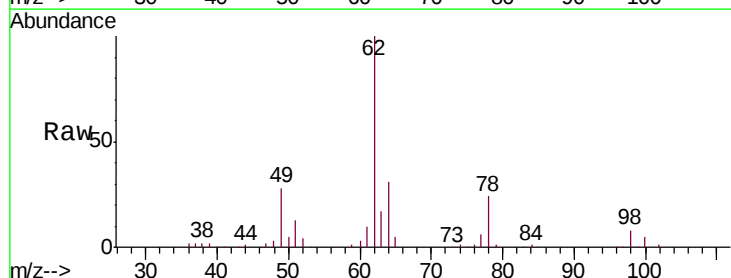
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

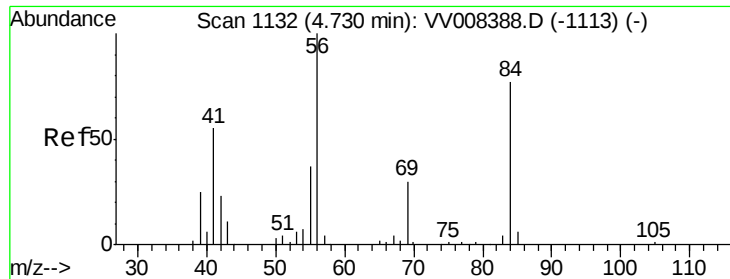
Tgt Ion: 83 Resp: 132076
Ion Ratio Lower Upper
83 100
85 64.7 45.8 85.2



#27
1,2-Dichloroethane
Concen: 48.105 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008397.D
Acq: 24 Oct 2018 17:28

Tgt Ion: 62 Resp: 106673
Ion Ratio Lower Upper
62 100
98 8.0 6.6 9.8

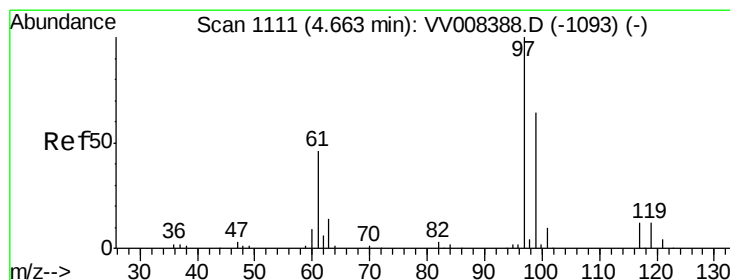
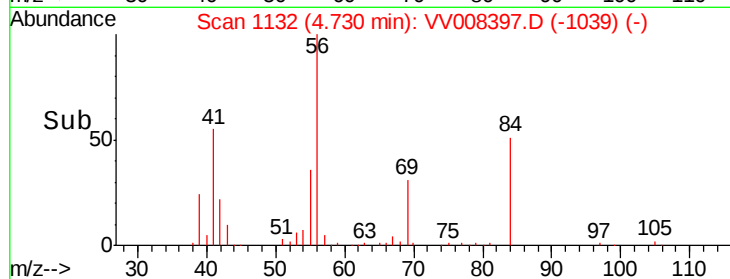
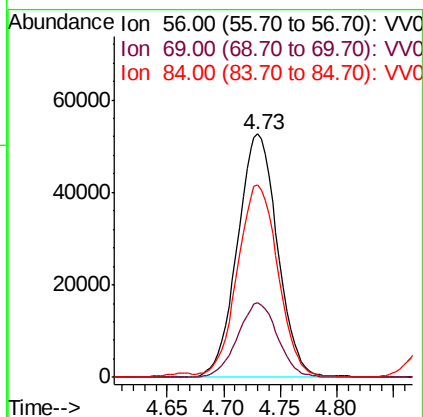
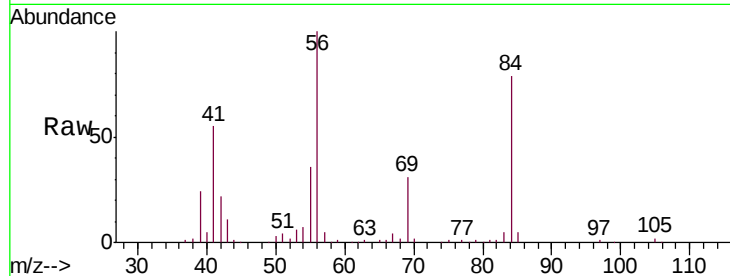




#29
Cyclohexane
Concen: 49.336 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VV008397.D
Acq: 24 Oct 2018 17:28

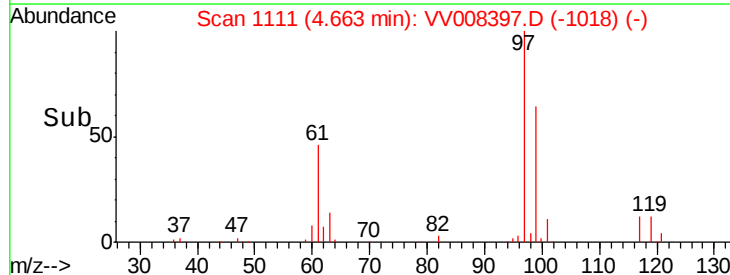
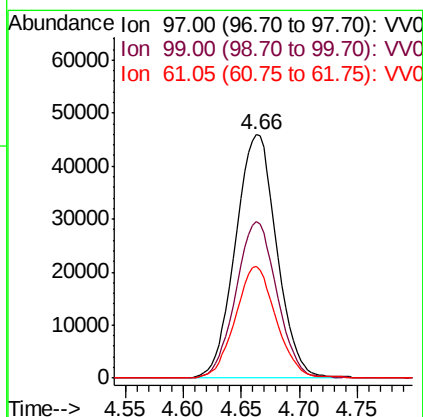
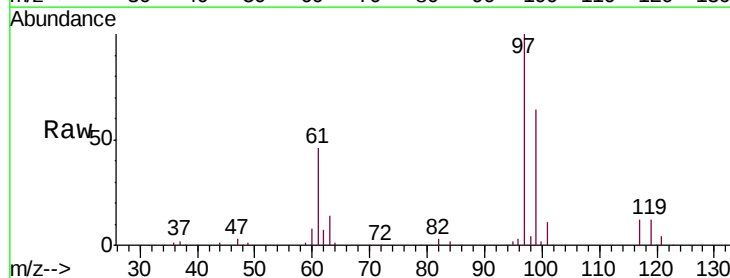
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

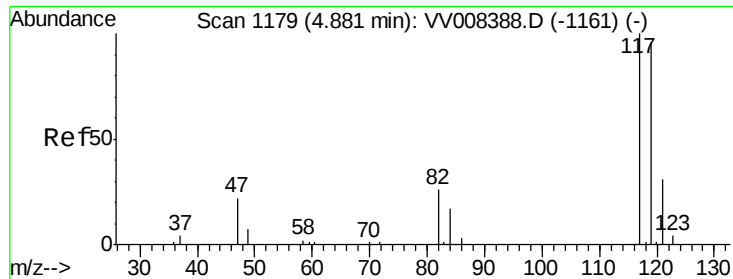
Tgt Ion: 56 Resp: 129601
Ion Ratio Lower Upper
56 100
69 30.7 24.6 37.0
84 80.5 65.0 97.4



#30
1,1,1-Trichloroethane
Concen: 48.687 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV008397.D
Acq: 24 Oct 2018 17:28

Tgt Ion: 97 Resp: 113914
Ion Ratio Lower Upper
97 100
99 63.8 51.6 77.4
61 45.1 36.5 54.7





#31

Carbon tetrachloride

Concen: 49.105 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

Instrument :

MSVOA_V

ClientSampleId :

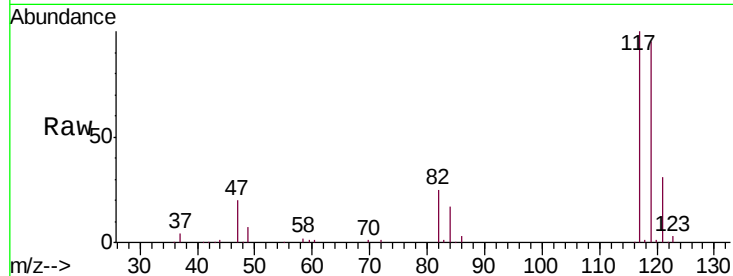
VSTD05075

Tgt Ion:117 Resp: 97499

Ion Ratio Lower Upper

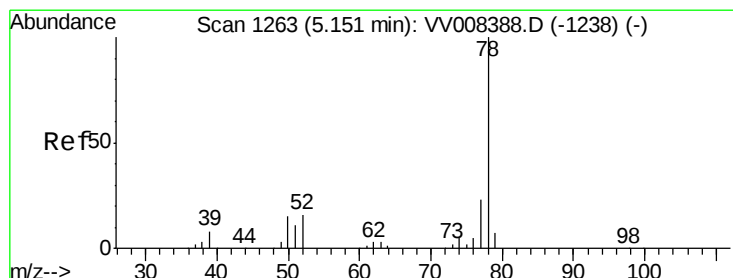
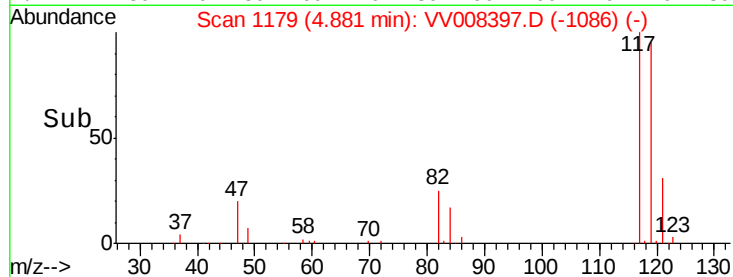
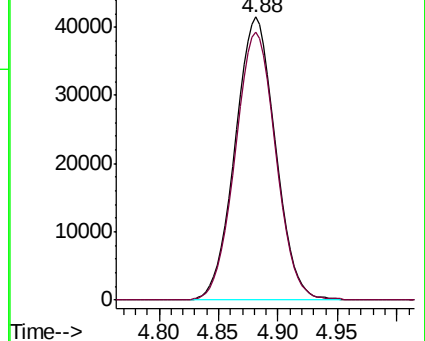
117 100

119 95.0 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.060 ug/L

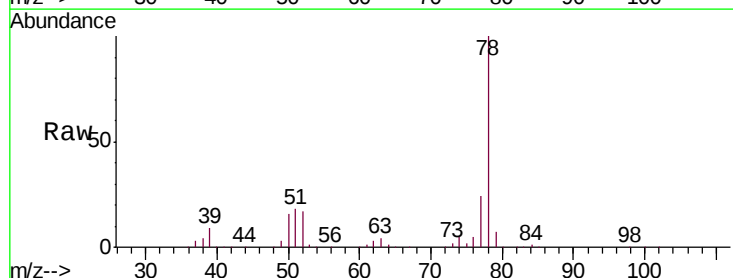
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

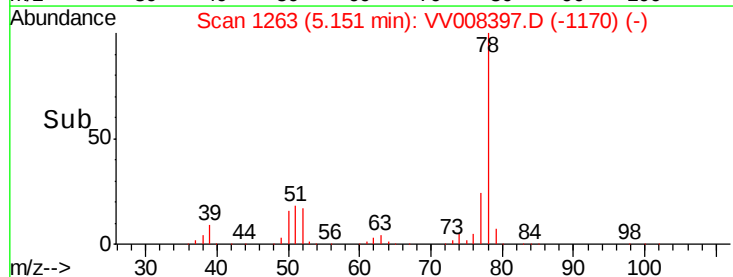
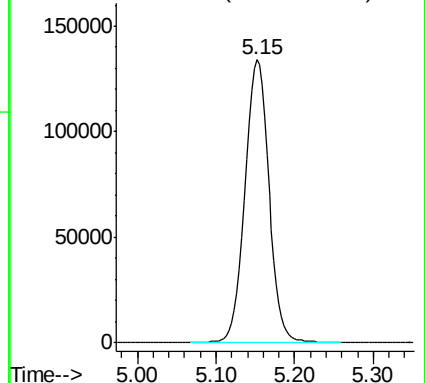
Lab File: VV008397.D

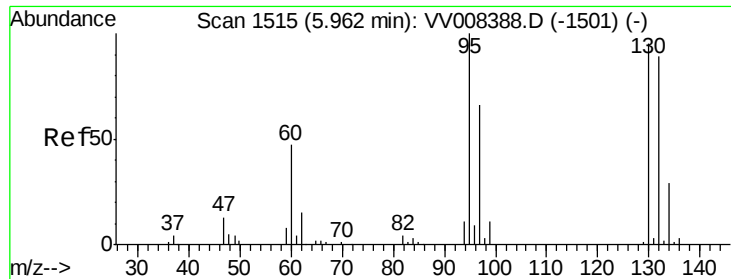
Acq: 24 Oct 2018 17:28

Tgt Ion: 78 Resp: 289340



Abundance Ion 78.00 (77.70 to 78.70): VV0

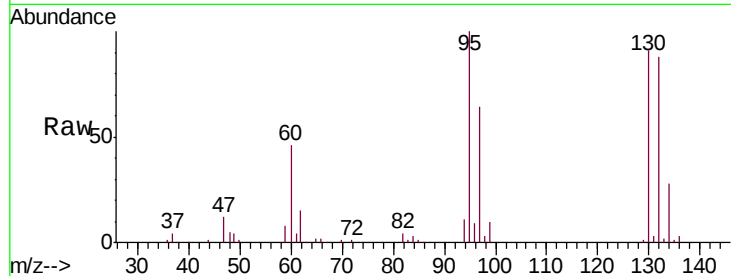




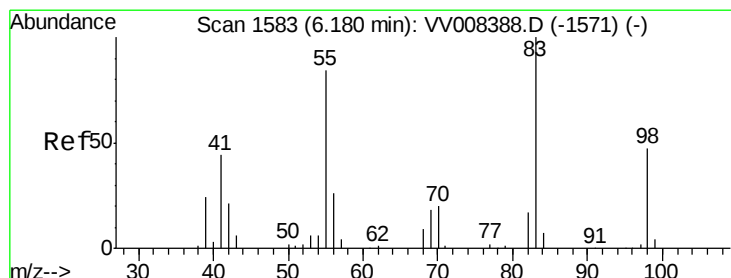
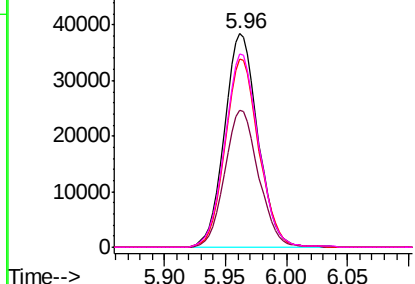
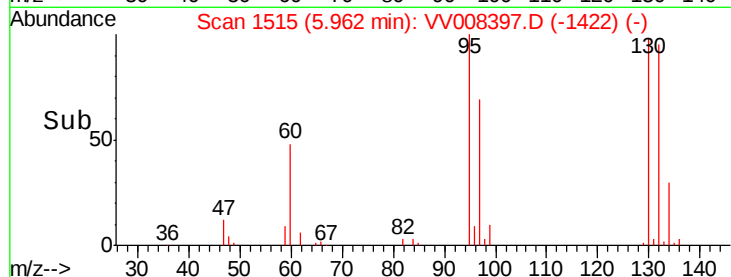
#34
 Trichloroethene
 Concen: 48.792 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV008397.D
 Acq: 24 Oct 2018 17:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

Tgt Ion: 95 Resp: 73671
 Ion Ratio Lower Upper
 95 100
 97 64.2 45.2 84.0
 132 88.2 63.8 118.6
 130 90.7 64.7 120.1

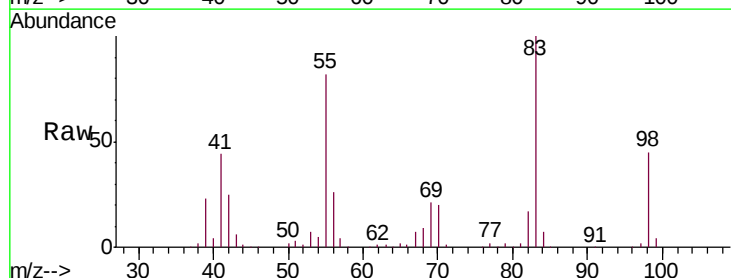


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

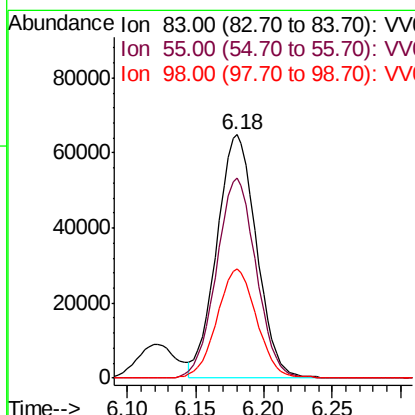
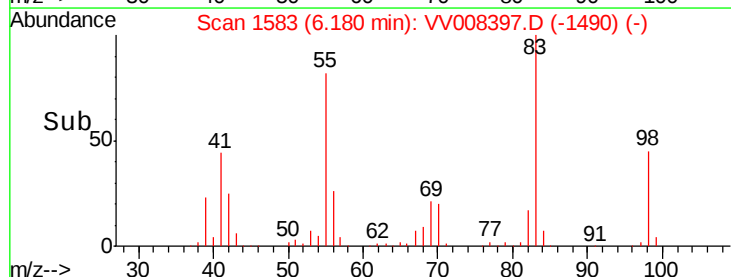


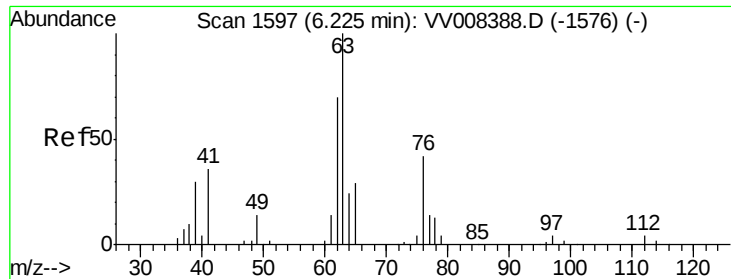
#35
 Methylcyclohexane
 Concen: 50.973 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VV008397.D
 Acq: 24 Oct 2018 17:28

Tgt Ion: 83 Resp: 130851
 Ion Ratio Lower Upper
 83 100
 55 82.6 65.0 97.4
 98 44.9 36.0 54.0



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

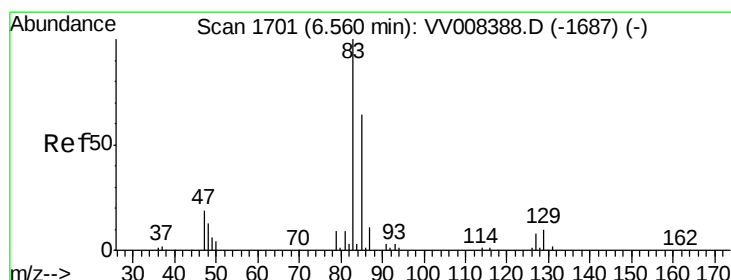
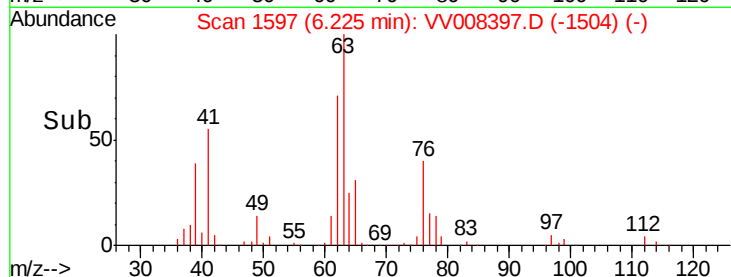
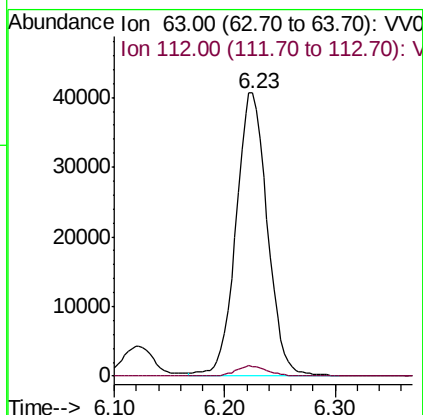
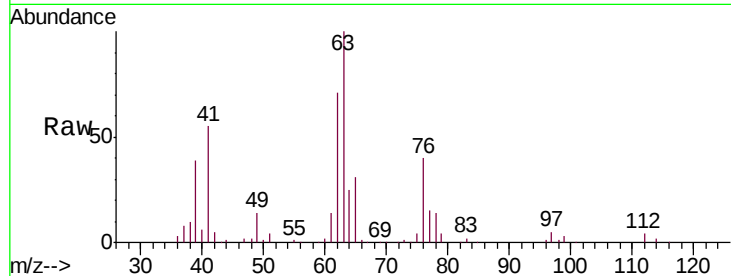




#37
 1,2-Dichloropropane
 Concen: 49.278 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008397.D
 Acq: 24 Oct 2018 17:28

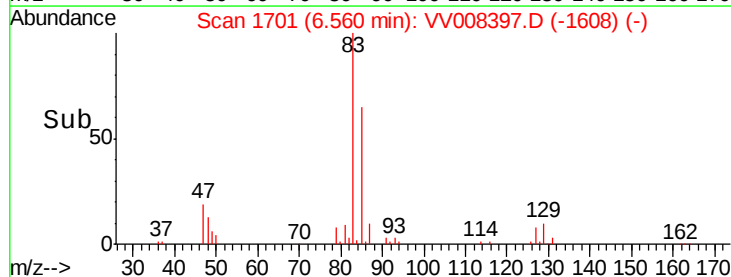
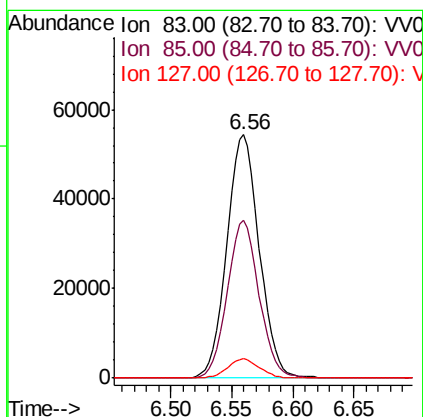
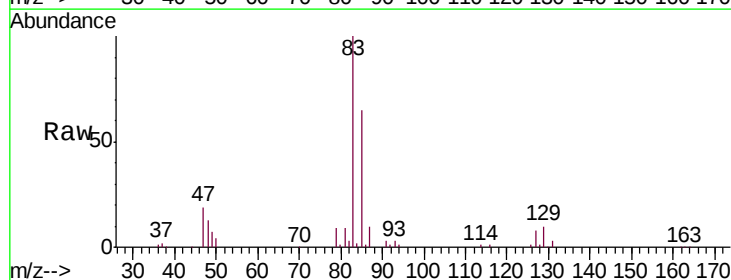
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

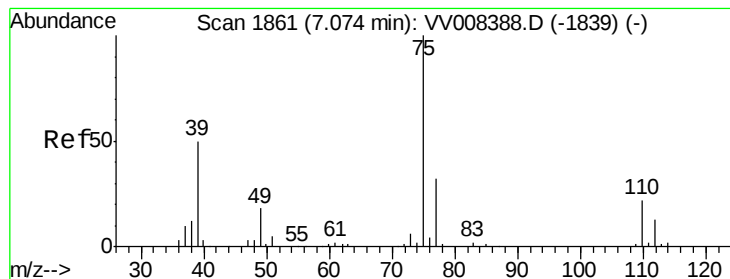
Tgt Ion: 63 Resp: 80263
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#38
 Bromodichloromethane
 Concen: 48.688 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008397.D
 Acq: 24 Oct 2018 17:28

Tgt Ion: 83 Resp: 101054
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.3 82.3
 127 7.8 6.3 9.5



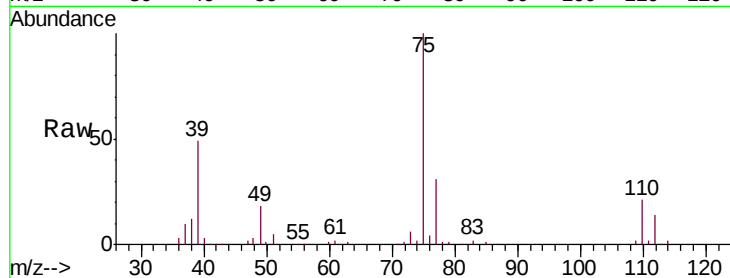


#39

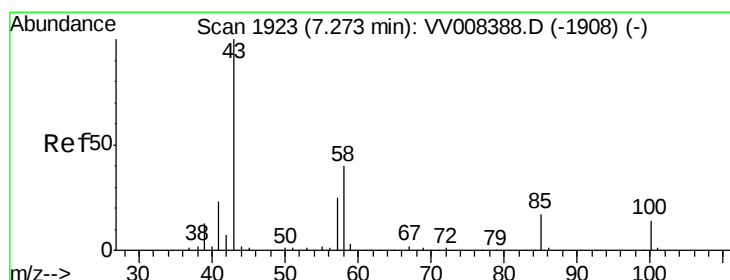
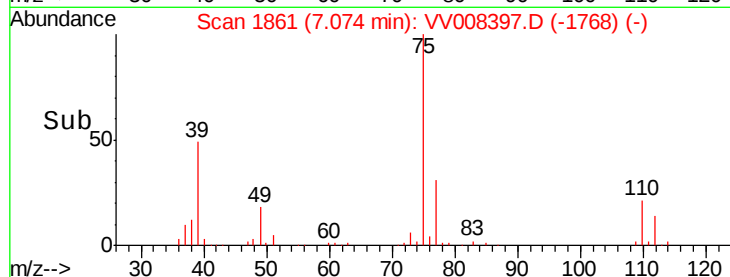
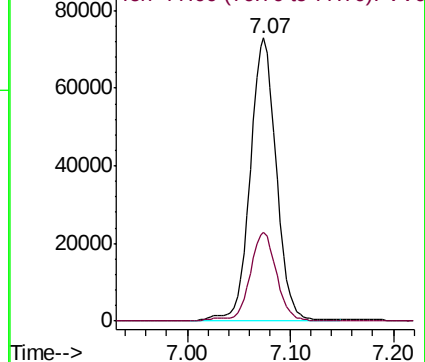
cis-1,3-Dichloropropene
Concen: 49.973 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VV008397.D
Acq: 24 Oct 2018 17:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

Tgt Ion: 75 Resp: 127966
Ion Ratio Lower Upper
75 100
77 31.5 22.6 42.0



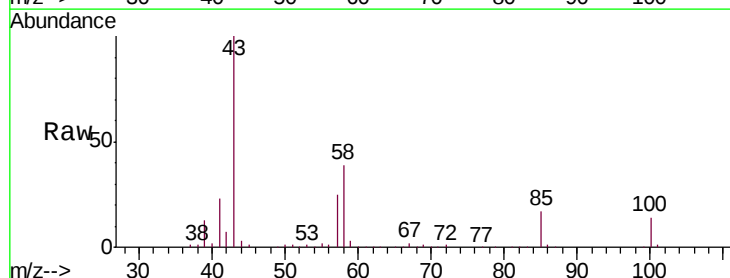
Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0



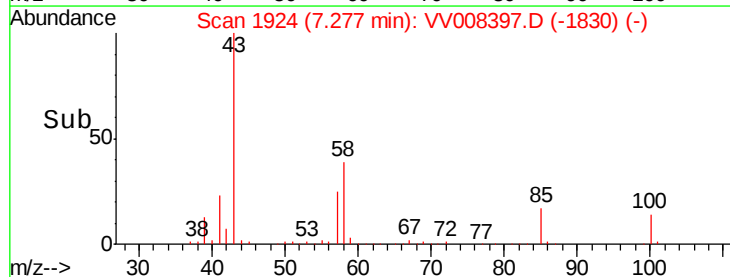
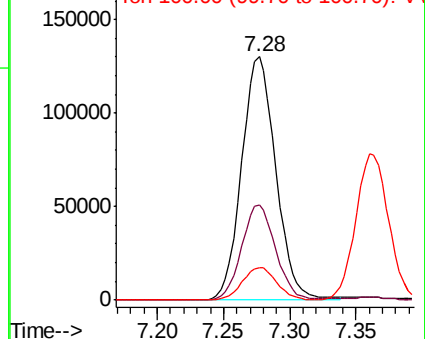
#40

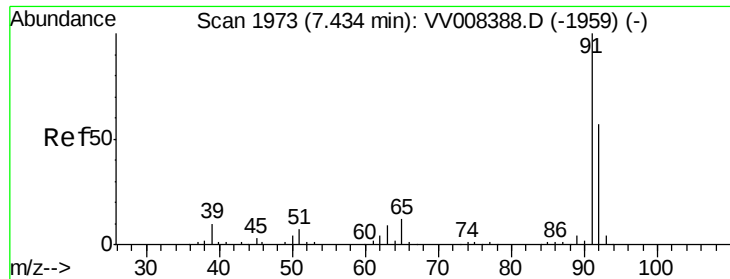
4-Methyl-2-pentanone
Concen: 96.773 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV008397.D
Acq: 24 Oct 2018 17:28

Tgt Ion: 43 Resp: 233414
Ion Ratio Lower Upper
43 100
58 38.9 30.9 46.3
100 13.5 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 100.00 (99.70 to 100.70): VV0





#42

Toluene

Concen: 49.127 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

Instrument :

MSVOA_V

ClientSampleId :

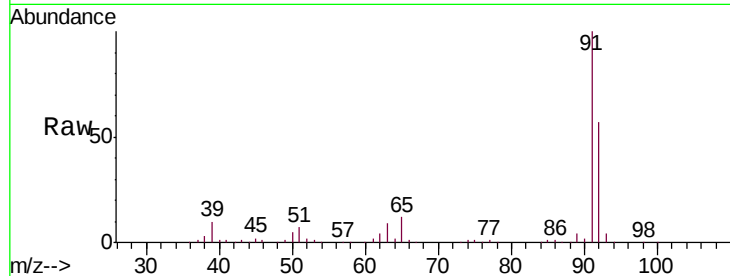
VSTD05075

Tgt Ion: 91 Resp: 300955

Ion Ratio Lower Upper

91 100

92 57.4 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VV008388.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV008388.D (-1959) (-)

7.43

200000

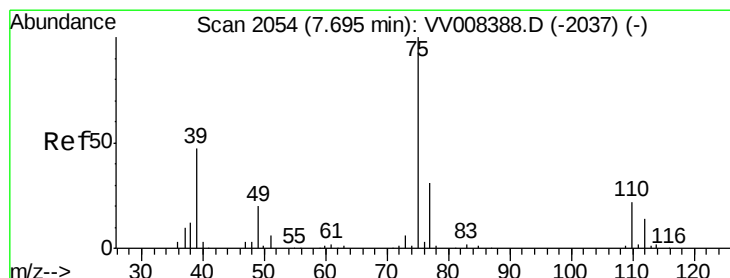
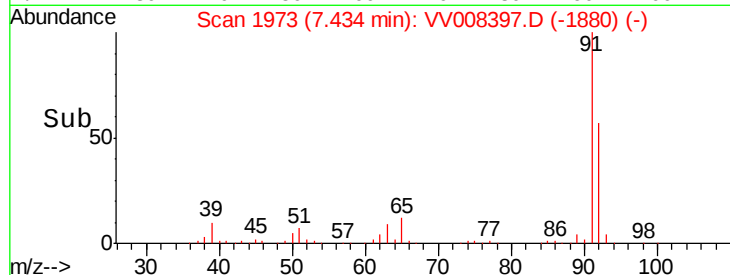
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.763 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV008397.D

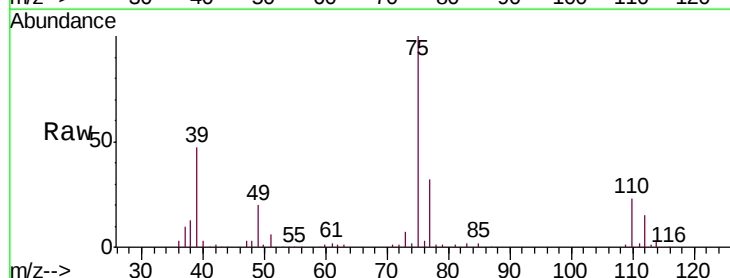
Acq: 24 Oct 2018 17:28

Tgt Ion: 75 Resp: 119216

Ion Ratio Lower Upper

75 100

77 31.9 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV008388.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV008388.D (-2037) (-)

7.69

80000

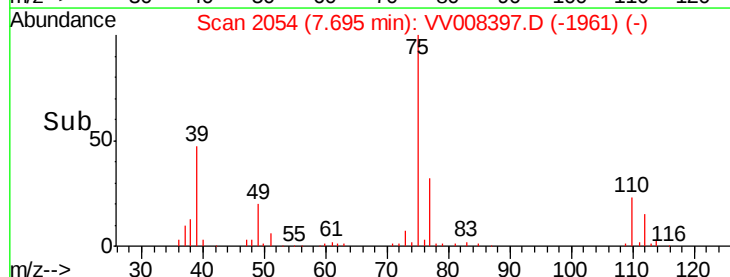
60000

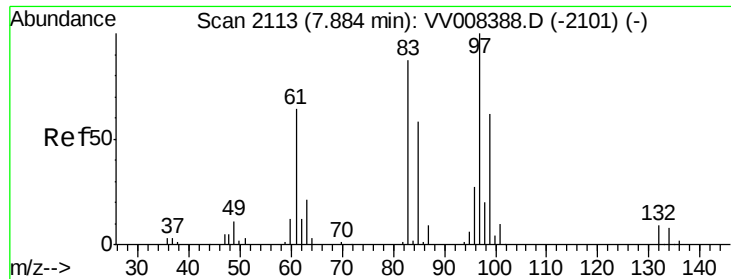
40000

20000

0

Time-->

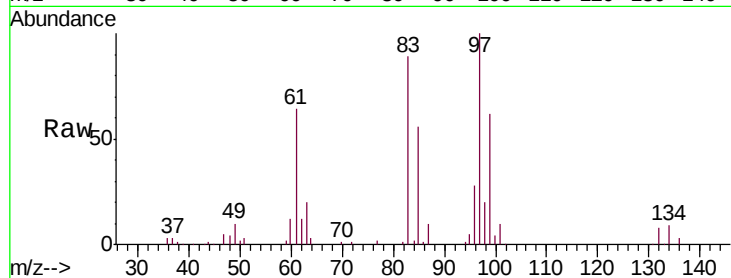




#45
1,1,2-Trichloroethane
Concen: 48.947 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VV008397.D
Acq: 24 Oct 2018 17:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

Tgt Ion:	97	Resp:	70490
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.3	80.3
83	88.5	61.9	114.9
85	55.5	40.9	75.9



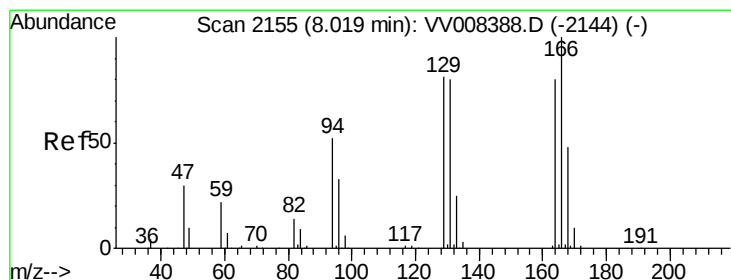
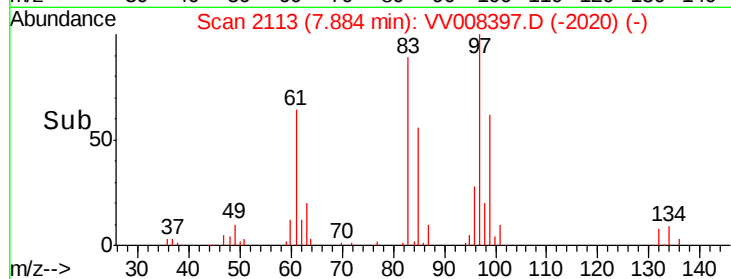
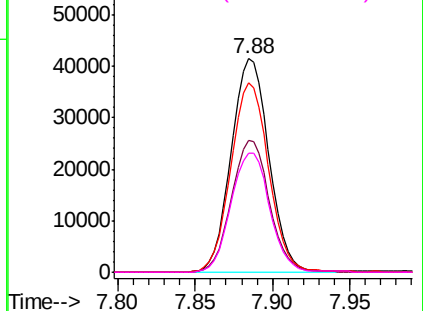
Abundance

Ion 97.00 (96.70 to 97.70): VV008397.D (-2020) (-)

Ion 99.00 (98.70 to 99.70): VV008397.D (-2020) (-)

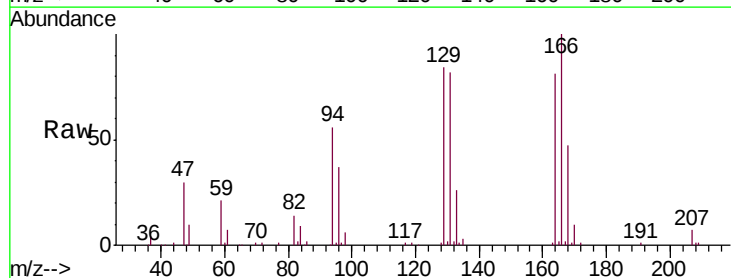
Ion 83.00 (82.70 to 83.70): VV008397.D (-2020) (-)

Ion 85.00 (84.70 to 85.70): VV008397.D (-2020) (-)



#46
Tetrachloroethene
Concen: 51.750 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV008397.D
Acq: 24 Oct 2018 17:28

Tgt Ion:	164	Resp:	50939
Ion	Ratio	Lower	Upper
164	100		
129	103.5	75.0	139.2
131	101.6	71.3	132.3
166	123.9	89.2	165.6



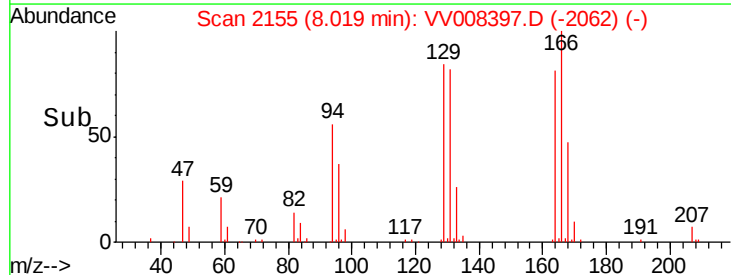
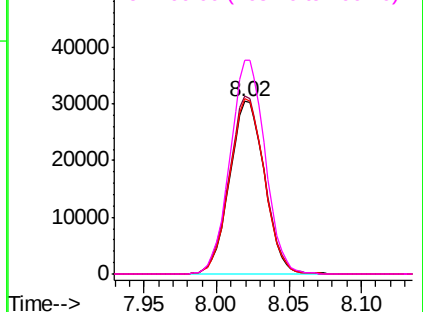
Abundance

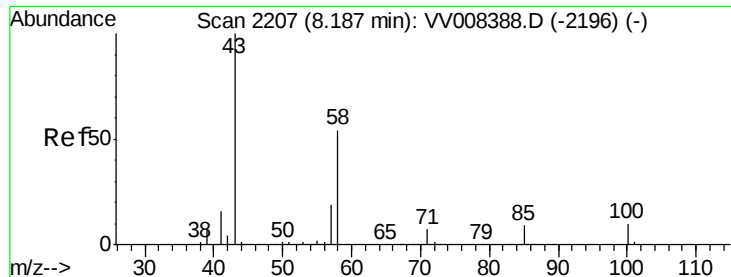
Ion 164.00 (163.70 to 164.70): VV008397.D (-2062) (-)

Ion 129.00 (128.70 to 129.70): VV008397.D (-2062) (-)

Ion 131.00 (130.70 to 131.70): VV008397.D (-2062) (-)

Ion 166.00 (165.70 to 166.70): VV008397.D (-2062) (-)

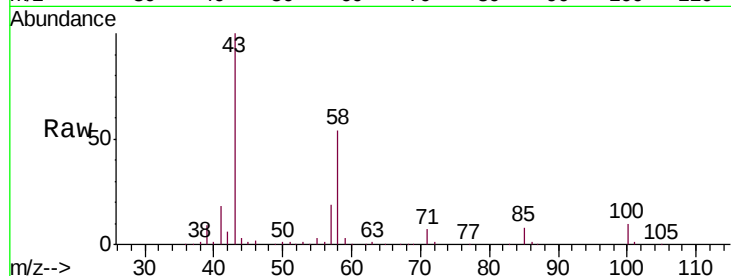




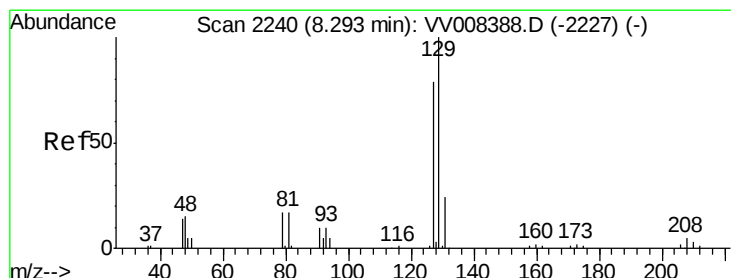
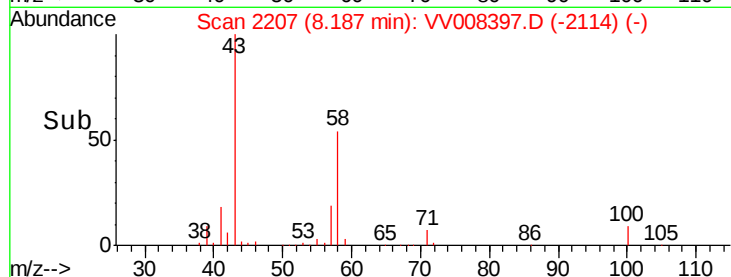
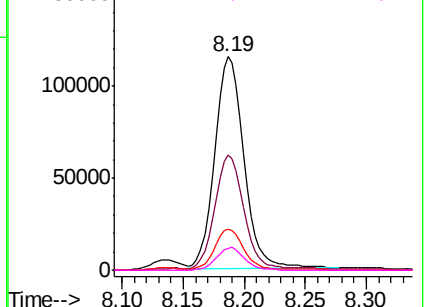
#48
2-Hexanone
Concen: 104.109 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV008397.D
Acq: 24 Oct 2018 17:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

Tgt Ion: 43 Resp: 193762
Ion Ratio Lower Upper
43 100
58 52.9 42.6 63.8
57 19.1 14.8 22.2
100 10.6 8.5 12.7

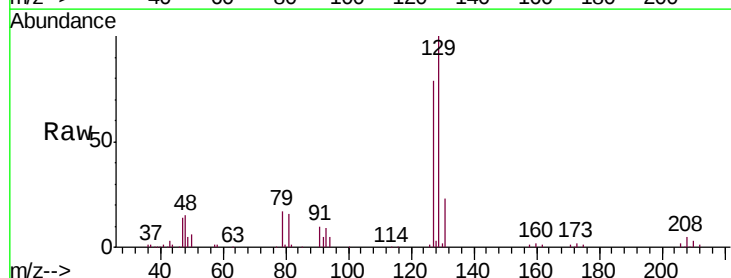


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

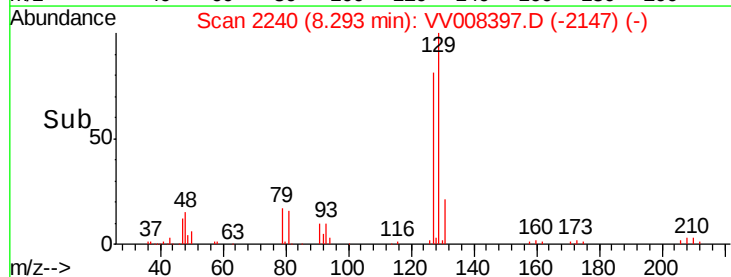
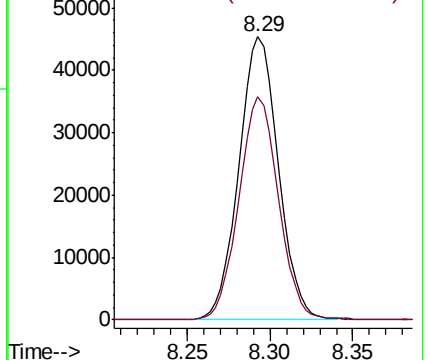


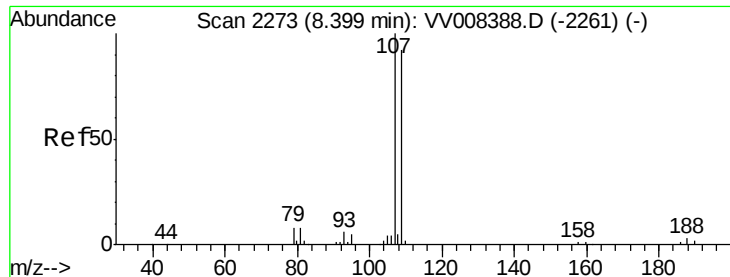
#49
Dibromochloromethane
Concen: 48.723 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008397.D
Acq: 24 Oct 2018 17:28

Tgt Ion: 129 Resp: 75404
Ion Ratio Lower Upper
129 100
127 78.8 54.9 101.9



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

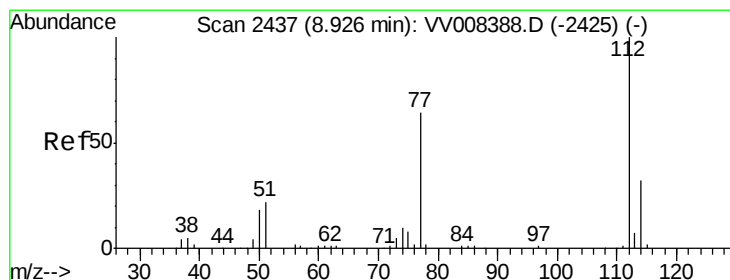
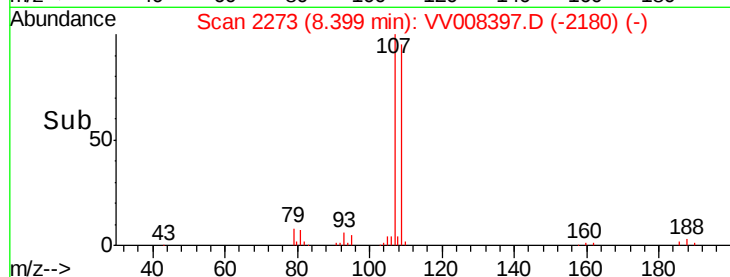
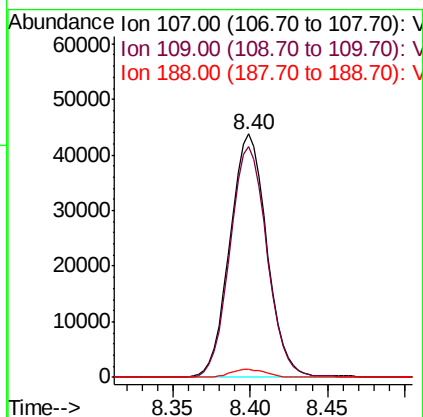
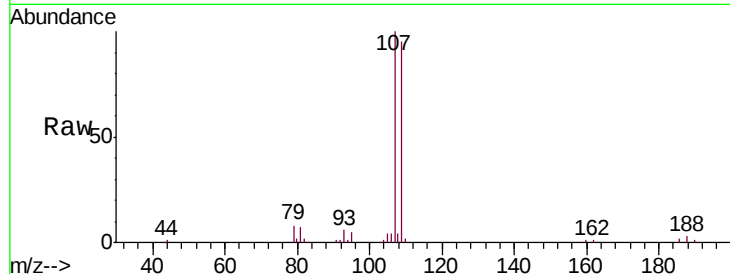




#50
1,2-Dibromoethane
Concen: 48.165 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008397.D
Acq: 24 Oct 2018 17:28

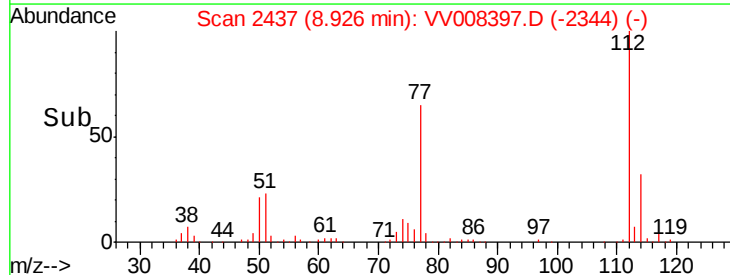
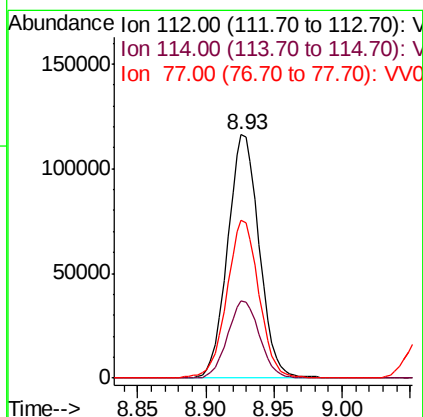
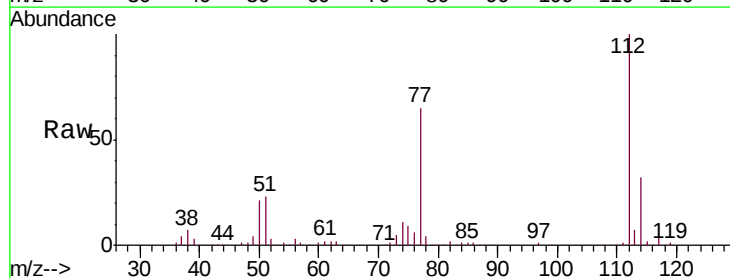
Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

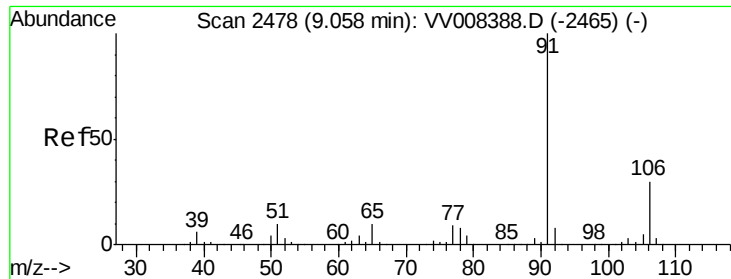
Tgt Ion:107 Resp: 72766
Ion Ratio Lower Upper
107 100
109 94.6 65.2 121.2
188 3.2 2.3 3.5



#51
Chlorobenzene
Concen: 49.523 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008397.D
Acq: 24 Oct 2018 17:28

Tgt Ion:112 Resp: 186804
Ion Ratio Lower Upper
112 100
114 31.5 22.5 41.7
77 65.1 52.0 78.0





#52

Ethylbenzene

Concen: 50.241 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

Instrument :

MSVOA_V

ClientSampleId :

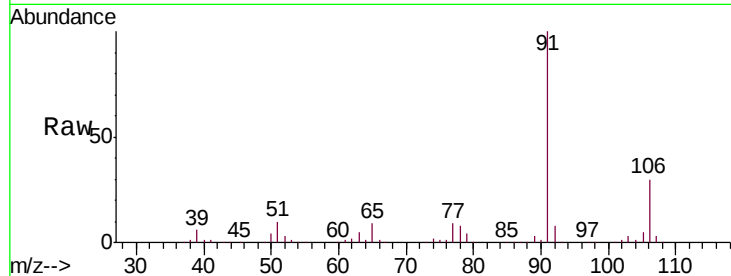
VSTD05075

Tgt Ion: 91 Resp: 344758

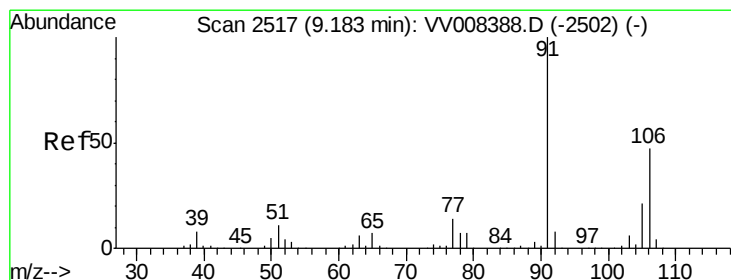
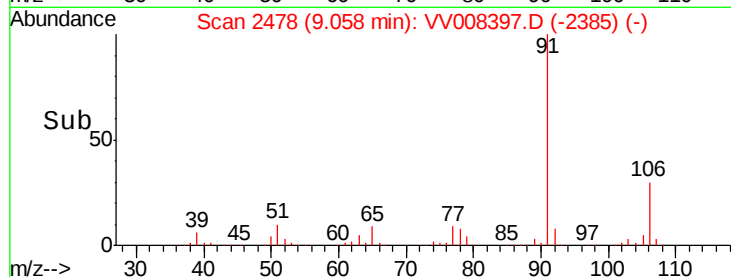
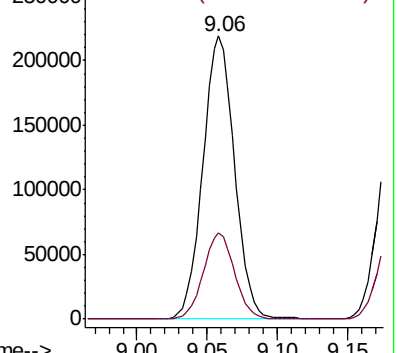
Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV008388.D (-2465) (-)



#53

m,p-Xylene

Concen: 50.258 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008397.D

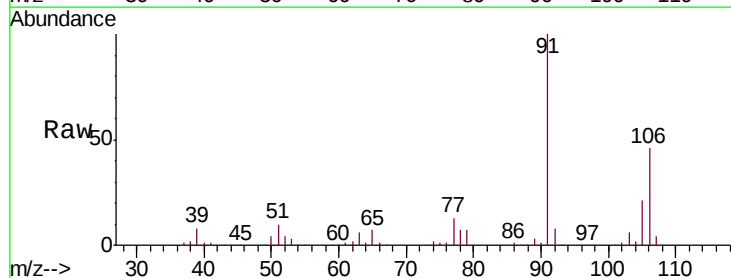
Acq: 24 Oct 2018 17:28

Tgt Ion: 106 Resp: 125996

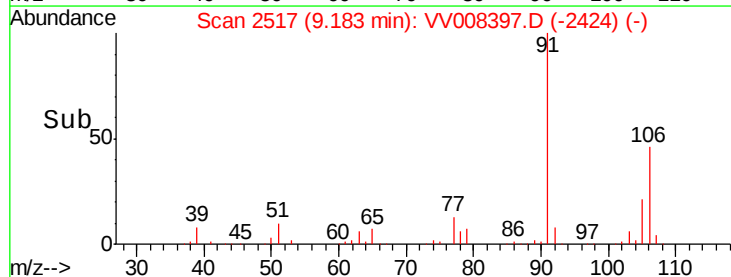
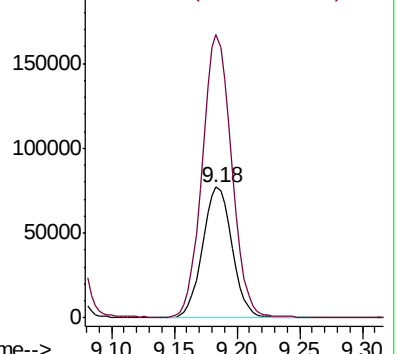
Ion Ratio Lower Upper

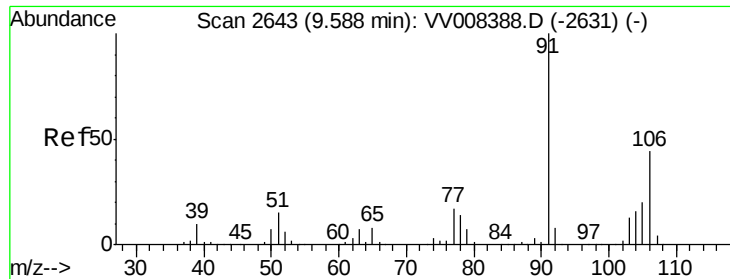
106 100

91 217.0 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): VV008388.D (-2502) (-)

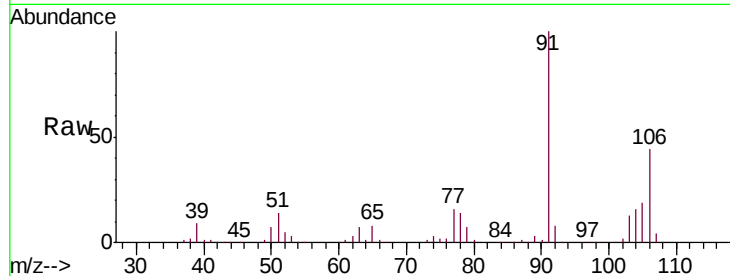




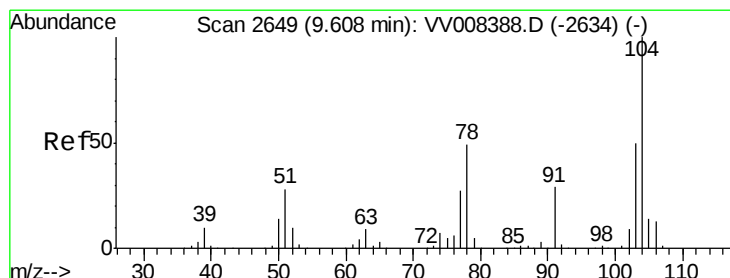
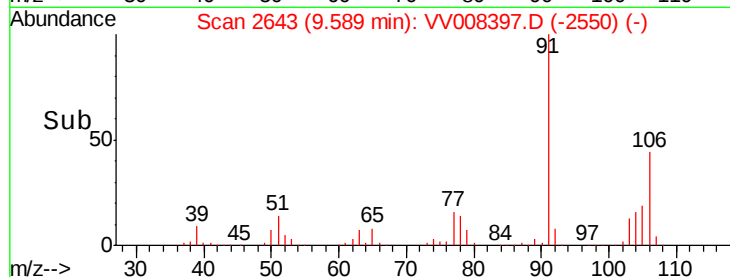
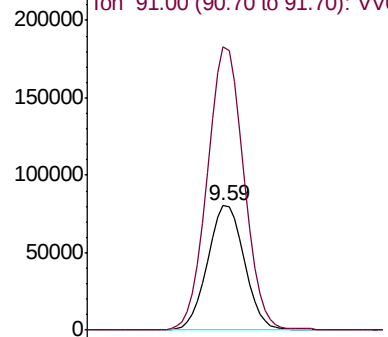
#54
o-xylene
Concen: 50.259 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008397.D
Acq: 24 Oct 2018 17:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD05075

Tgt Ion:106 Resp: 125818
Ion Ratio Lower Upper
106 100
91 227.8 158.7 294.7

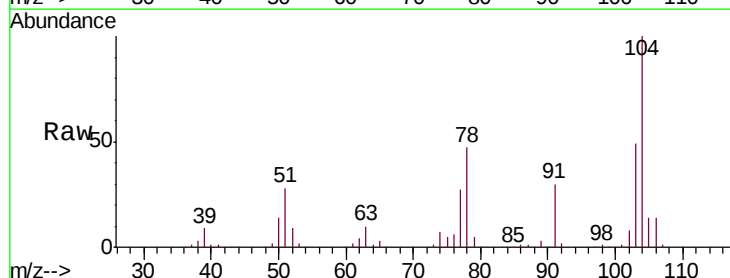


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

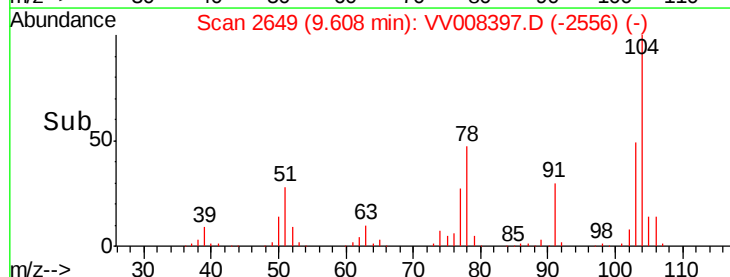
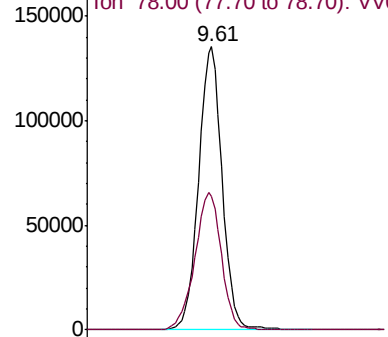


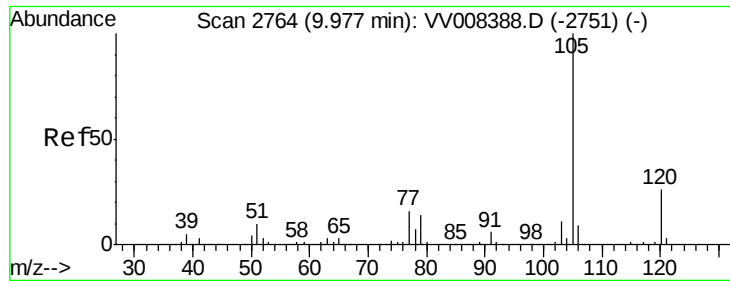
#55
Styrene
Concen: 50.924 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008397.D
Acq: 24 Oct 2018 17:28

Tgt Ion:104 Resp: 214804
Ion Ratio Lower Upper
104 100
78 47.4 34.4 64.0



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





#56

Isopropylbenzene

Concen: 51.044 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

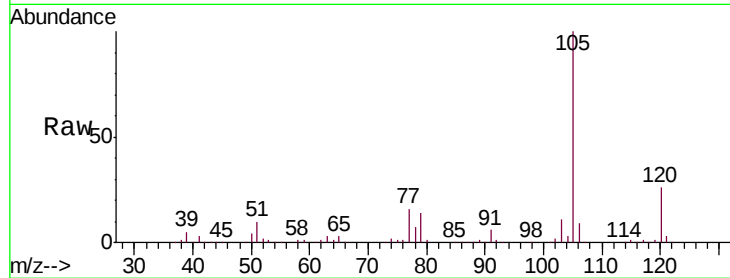
Tgt Ion: 105 Resp: 334343

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

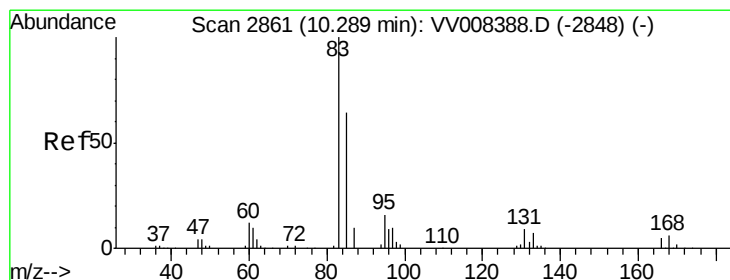
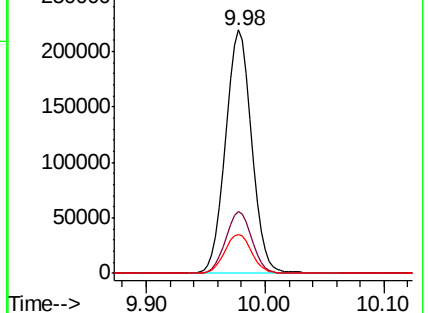
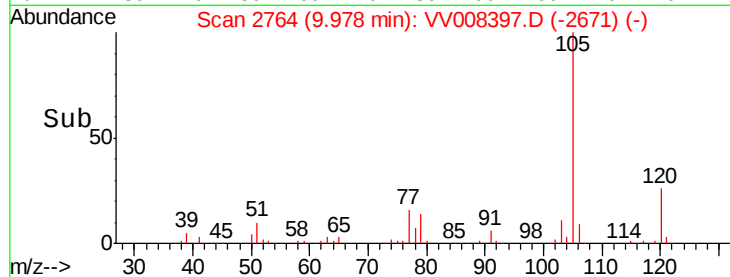
77 16.5 13.5 20.3



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



#58

1,1,2,2-Tetrachloroethane

Concen: 50.467 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

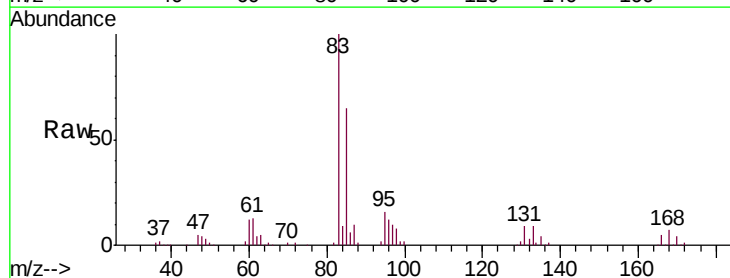
Tgt Ion: 83 Resp: 127289

Ion Ratio Lower Upper

83 100

85 64.5 45.8 85.2

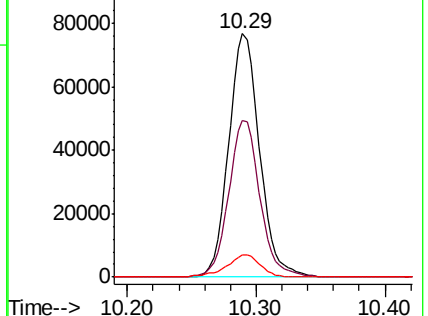
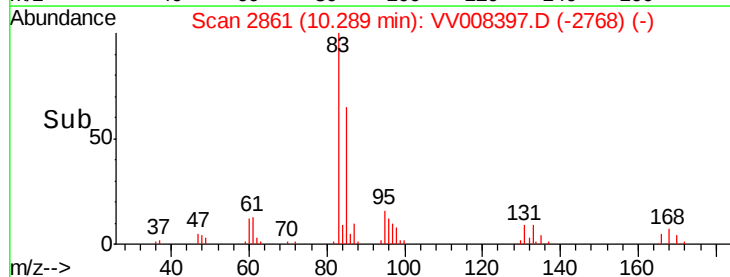
131 9.1 7.3 10.9

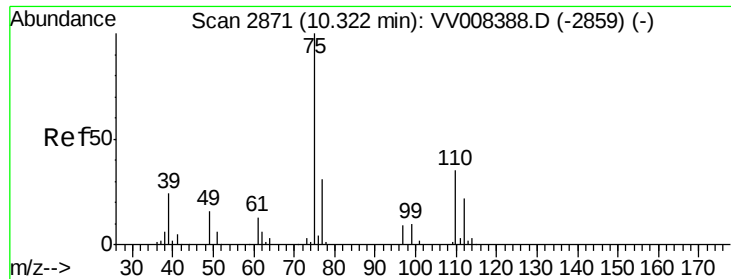


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.584 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

Instrument :

MSVOA_V

ClientSampleId :

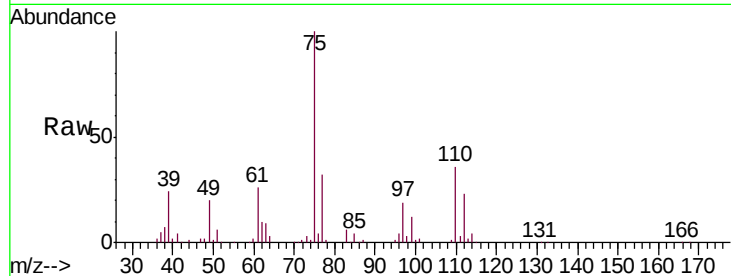
VSTD05075

Tgt Ion: 75 Resp: 101214

Ion Ratio Lower Upper

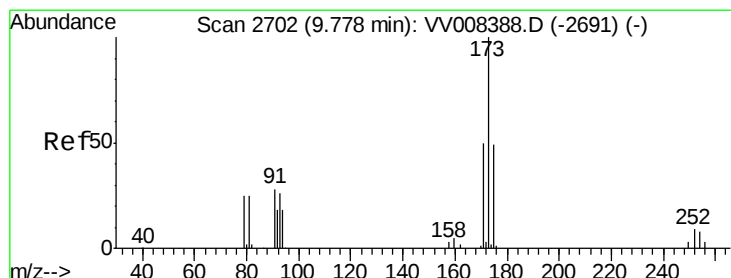
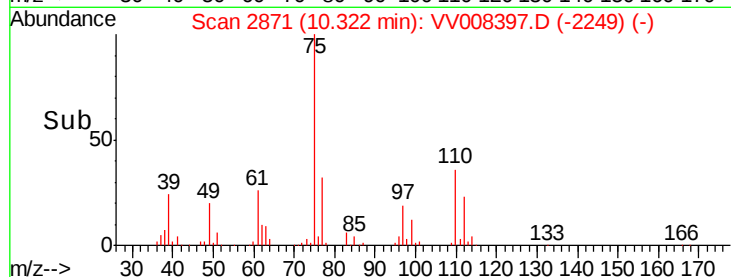
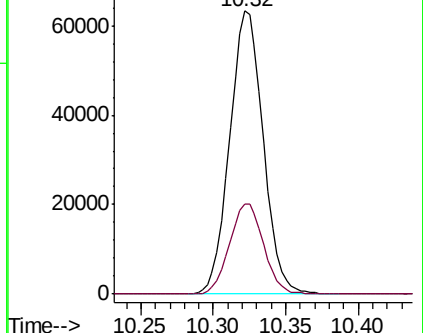
75 100

77 32.5 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV008388.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV008388.D (-2859) (-)



#61

Bromoform

Concen: 47.417 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

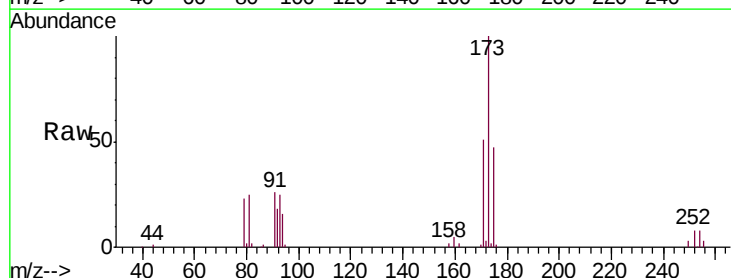
Tgt Ion: 173 Resp: 52582

Ion Ratio Lower Upper

173 100

175 47.6 38.6 57.8

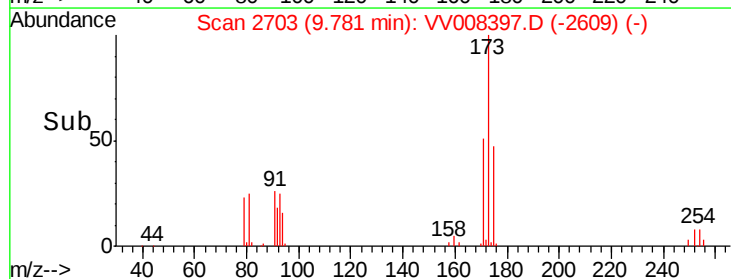
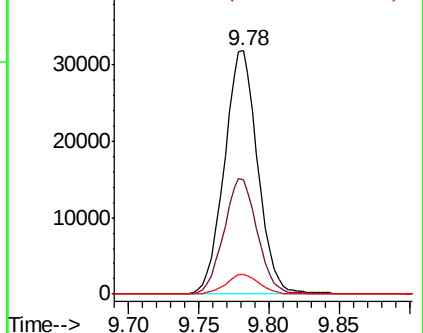
254 7.9 5.9 8.9

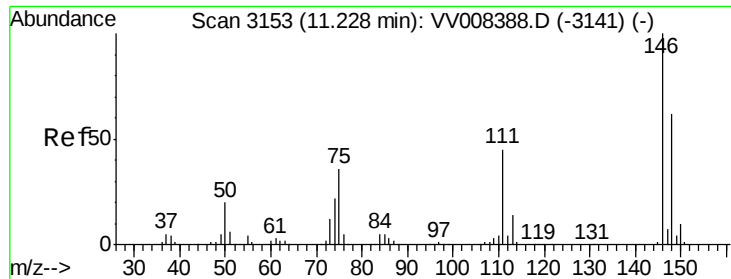


Abundance Ion 173.00 (172.70 to 173.70): VV008388.D (-2691) (-)

Ion 175.00 (174.70 to 175.70): VV008388.D (-2691) (-)

Ion 254.00 (253.70 to 254.70): VV008388.D (-2691) (-)





#62

1,3-Dichlorobenzene

Concen: 49.920 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

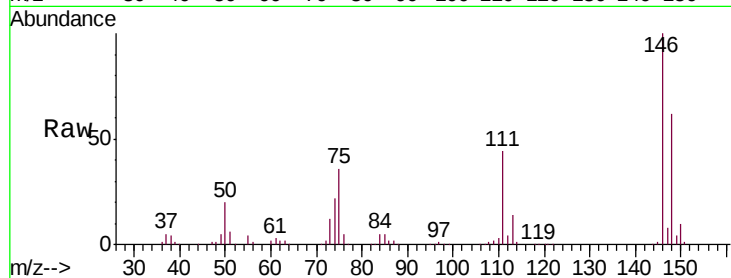
Tgt Ion:146 Resp: 145049

Ion Ratio Lower Upper

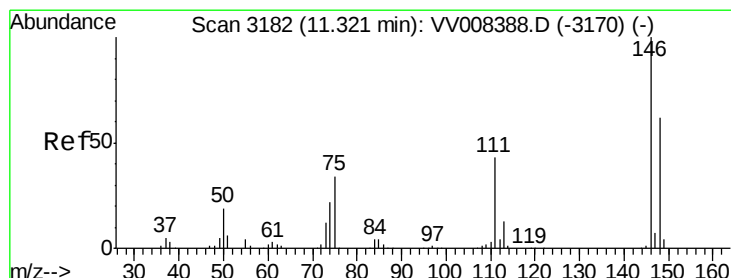
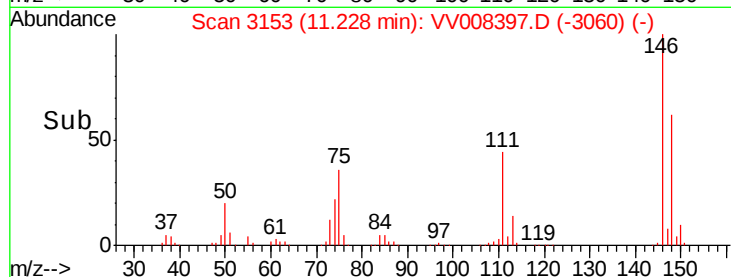
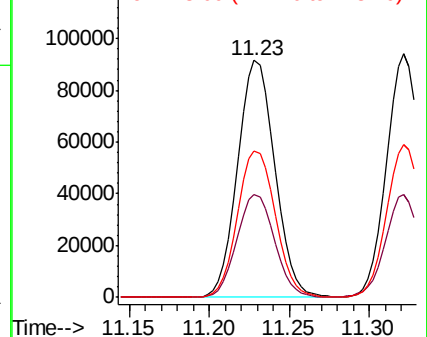
146 100

111 43.6 30.9 57.3

148 61.7 44.1 81.9



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: 49.348 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

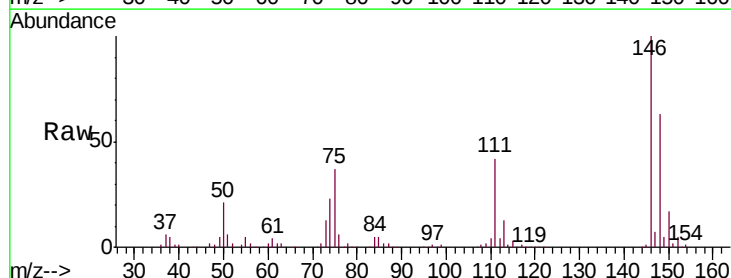
Tgt Ion:146 Resp: 143712

Ion Ratio Lower Upper

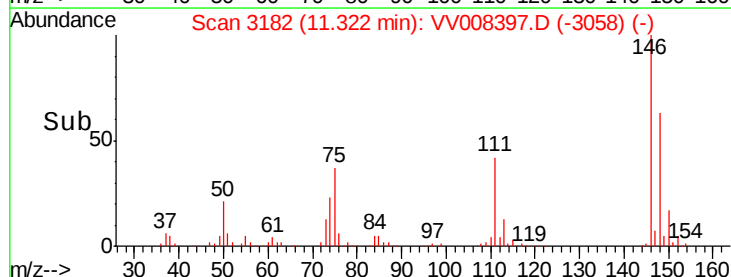
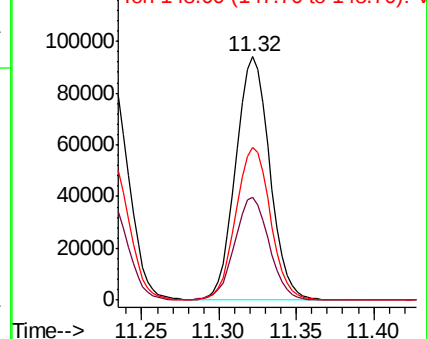
146 100

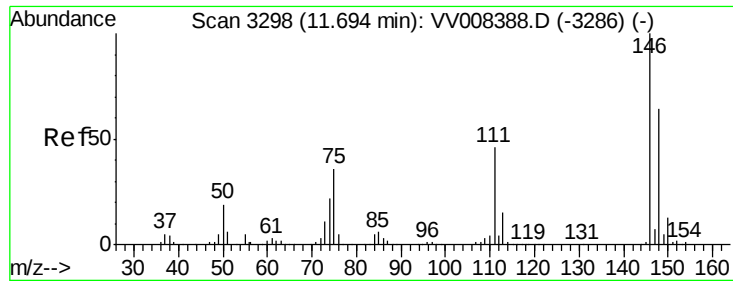
111 42.1 29.8 55.4

148 62.9 44.4 82.5



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: 49.740 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

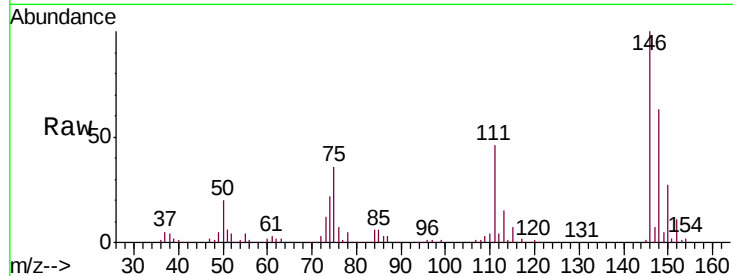
Tgt Ion:146 Resp: 147381

Ion Ratio Lower Upper

146 100

111 45.6 36.2 54.2

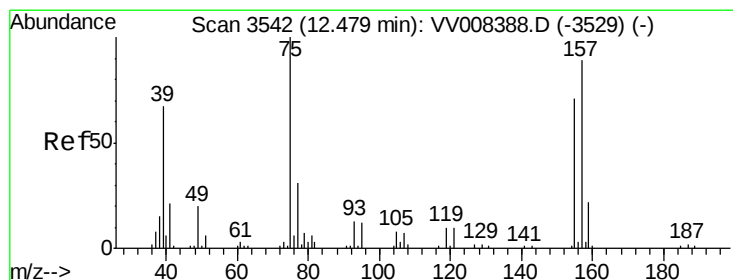
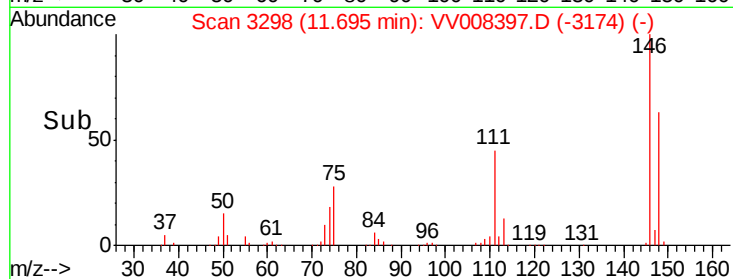
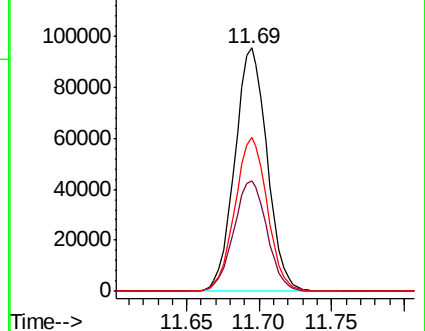
148 63.1 50.3 75.5



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



#66

1,2-Dibromo-3-chloropropane

Concen: 46.758 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

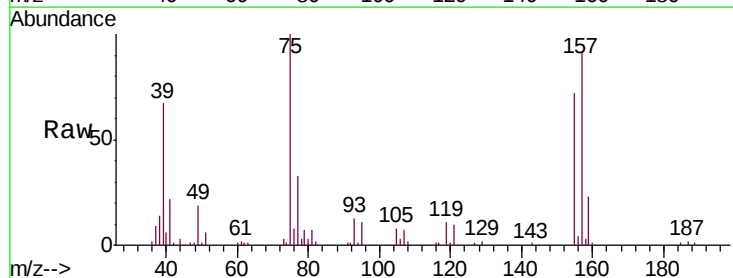
Tgt Ion: 75 Resp: 28483

Ion Ratio Lower Upper

75 100

155 71.9 55.4 83.0

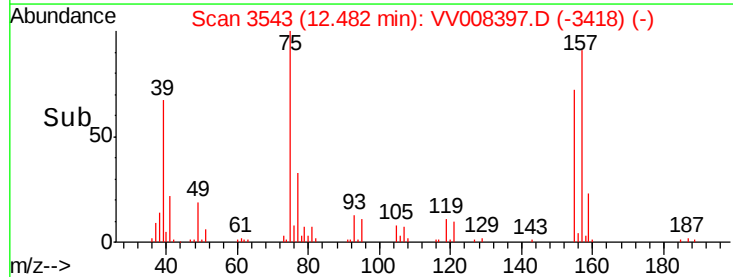
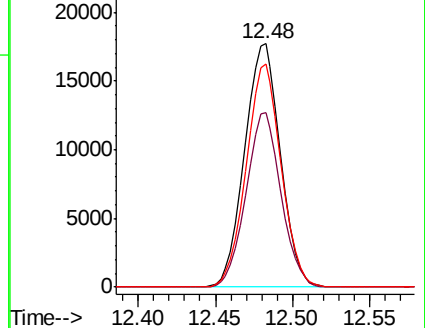
157 91.5 72.8 109.2

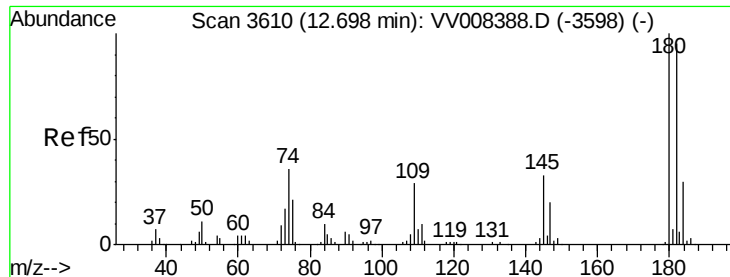


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

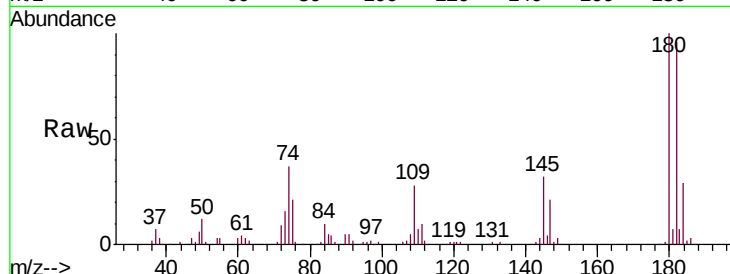




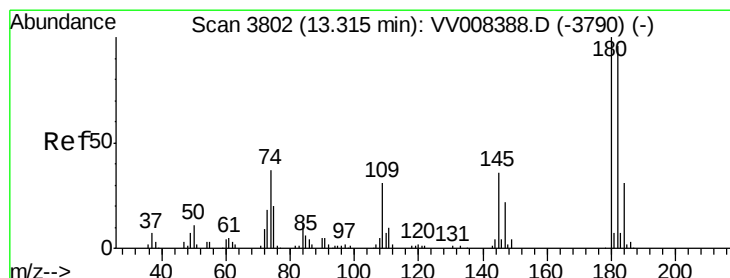
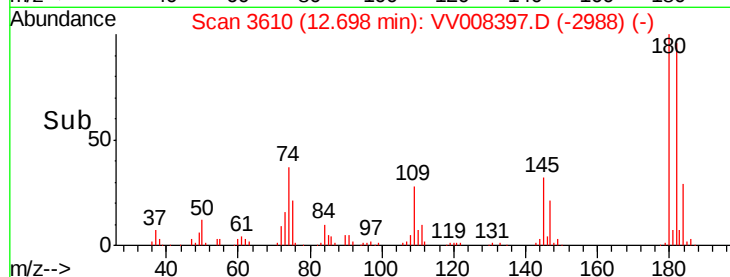
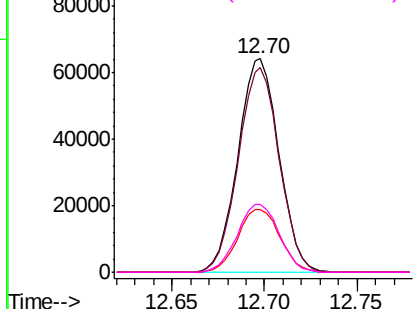
#67
 1,3,5-Trichlorobenzene
 Concen: 51.846 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008397.D
 Acq: 24 Oct 2018 17:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

Tgt Ion:180 Resp: 98368
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.9 113.9
 184 30.1 24.1 36.1
 145 32.4 26.8 40.2

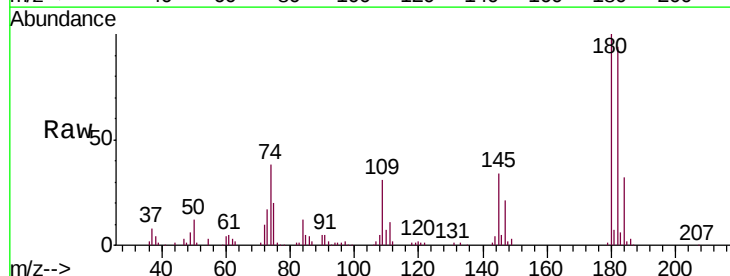


Abundance Ion 180.00 (179.70 to 180.70): V
 100000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

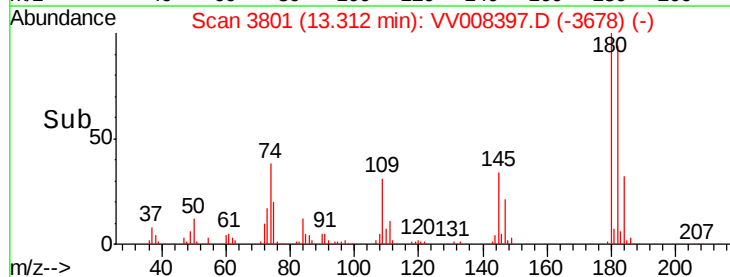
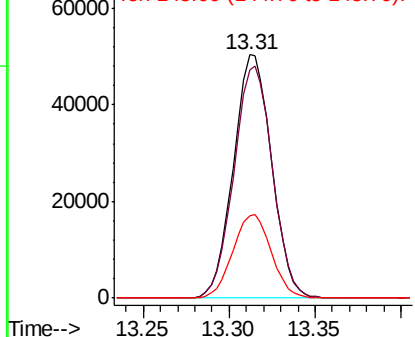


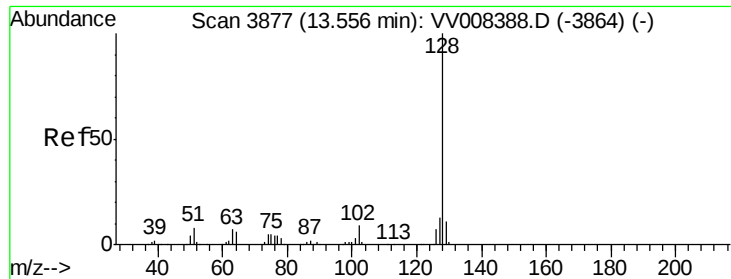
#68
 1,2,4-trichlorobenzene
 Concen: 50.694 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV008397.D
 Acq: 24 Oct 2018 17:28

Tgt Ion:180 Resp: 77816
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.4 113.2
 145 34.3 27.0 40.6



Abundance Ion 180.00 (179.70 to 180.70): V
 60000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 46.104 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05075

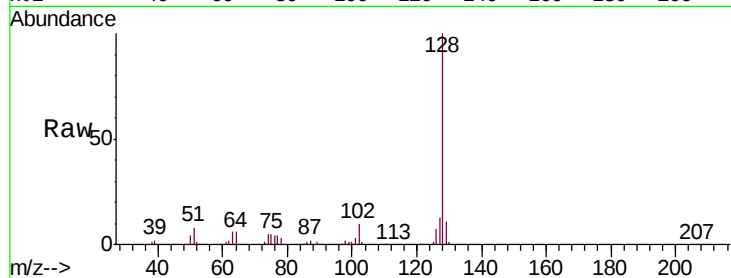
Tgt Ion:128 Resp: 228848

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 10.7 8.9 13.3

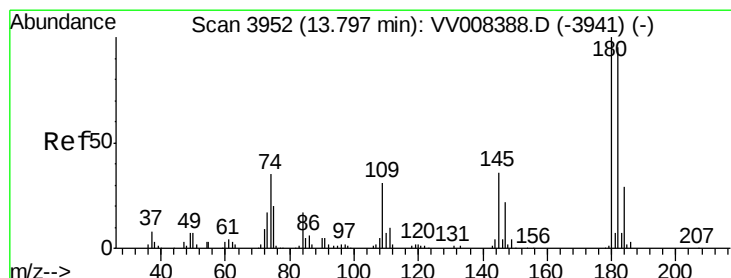
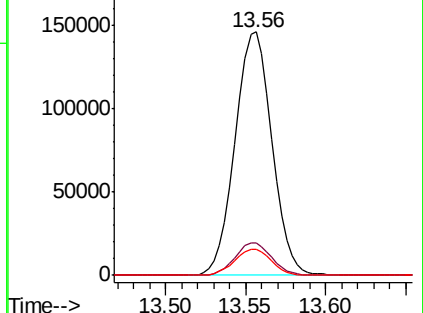
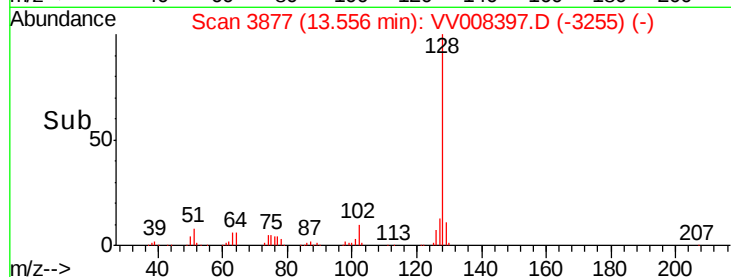


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

13.56



#70

1,2,3-Trichlorobenzene

Concen: 49.543 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008397.D

Acq: 24 Oct 2018 17:28

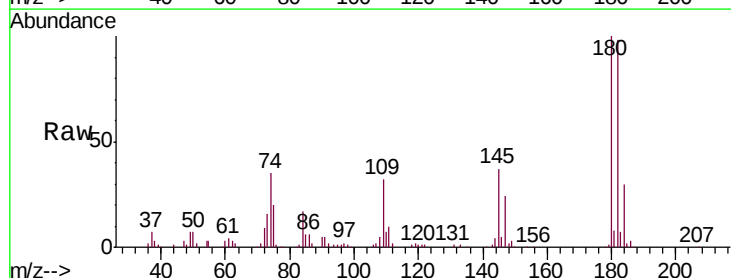
Tgt Ion:180 Resp: 76004

Ion Ratio Lower Upper

180 100

182 95.5 75.7 113.5

145 36.3 28.6 43.0



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

13.80

