

Data File : VV013293.D
Acq On : 23 Oct 2019 10:14
Operator : SY/MD
Sample : VSTD00565
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Quant Time: Oct 24 02:23:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 24 02:21:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	1178767	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	1123551	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	532988	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	48693	6.60	ug/L	0.00
7) Chloroethane-d5	1.58	69	38549	6.49	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	72971	5.45	ug/L	0.00
21) 2-Butanone-d5	4.09	46	996	0.18	ug/L	0.14
24) Chloroform-d	4.40	84	101844	6.99	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	59346	6.67	ug/L	0.00
32) Benzene-d6	5.09	84	194698	6.41	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	62327	6.61	ug/L	0.00
41) Toluene-d8	7.36	98	167344	6.12	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	24065	5.62	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	25322	7.16	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	81111	6.62	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	74072	7.02	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	60734	6.521 ug/L	98
3) Chloromethane	1.25	50	44906	4.560 ug/L	96
5) Vinyl chloride	1.32	62	46271	4.844 ug/L	91
6) Bromomethane	1.53	94	22697	4.560 ug/L	86
8) Chloroethane	1.60	64	26951	4.834 ug/L	100
9) Trichlorofluoromethane	1.77	101	66422	5.390 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	39551	5.463 ug/L	97
12) 1,1-Dichloroethene	2.13	96	37859	5.397 ug/L	89
13) Acetone	2.21	43	37599	7.802 ug/L	81
14) Carbon disulfide	2.31	76	131714	6.240 ug/L	100
15) Methyl Acetate	2.47	43	42432	4.821 ug/L	96
16) Methylene chloride	2.53	84	51291	5.901 ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	46534	5.875 ug/L	95
18) Methyl tert-butyl Ether	2.80	73	126015	5.288 ug/L	98
19) 1,1-Dichloroethane	3.23	63	83819	5.640 ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	48674	5.441 ug/L	97
22) 2-Butanone	4.05	43	39058	6.300 ug/L	78
23) Bromochloromethane	4.30	128	26463	5.757 ug/L	90
25) Chloroform	4.42	83	87529	5.826 ug/L	98
27) 1,2-Dichloroethane	5.18	62	59985	5.267 ug/L	96
29) Cyclohexane	4.72	56	63920	4.792 ug/L	98
30) 1,1,1-Trichloroethane	4.65	97	72407	5.783 ug/L	99
31) Carbon tetrachloride	4.87	117	64901	5.817 ug/L	99
33) Benzene	5.14	78	182570	5.360 ug/L	100
34) Trichloroethene	5.96	95	49736	5.501 ug/L	98
35) Methylcyclohexane	6.17	83	67332	4.905 ug/L	97
37) 1,2-Dichloropropane	6.22	63	45826	5.221 ug/L	100
38) Bromodichloromethane	6.55	83	61296	5.453 ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	61826	4.767 ug/L	97
40) 4-Methyl-2-pentanone	7.27	43	97051	8.583 ug/L	98

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QLast Update : Thu Oct 24 02:21:01 2019
Response via : Initial Calibration

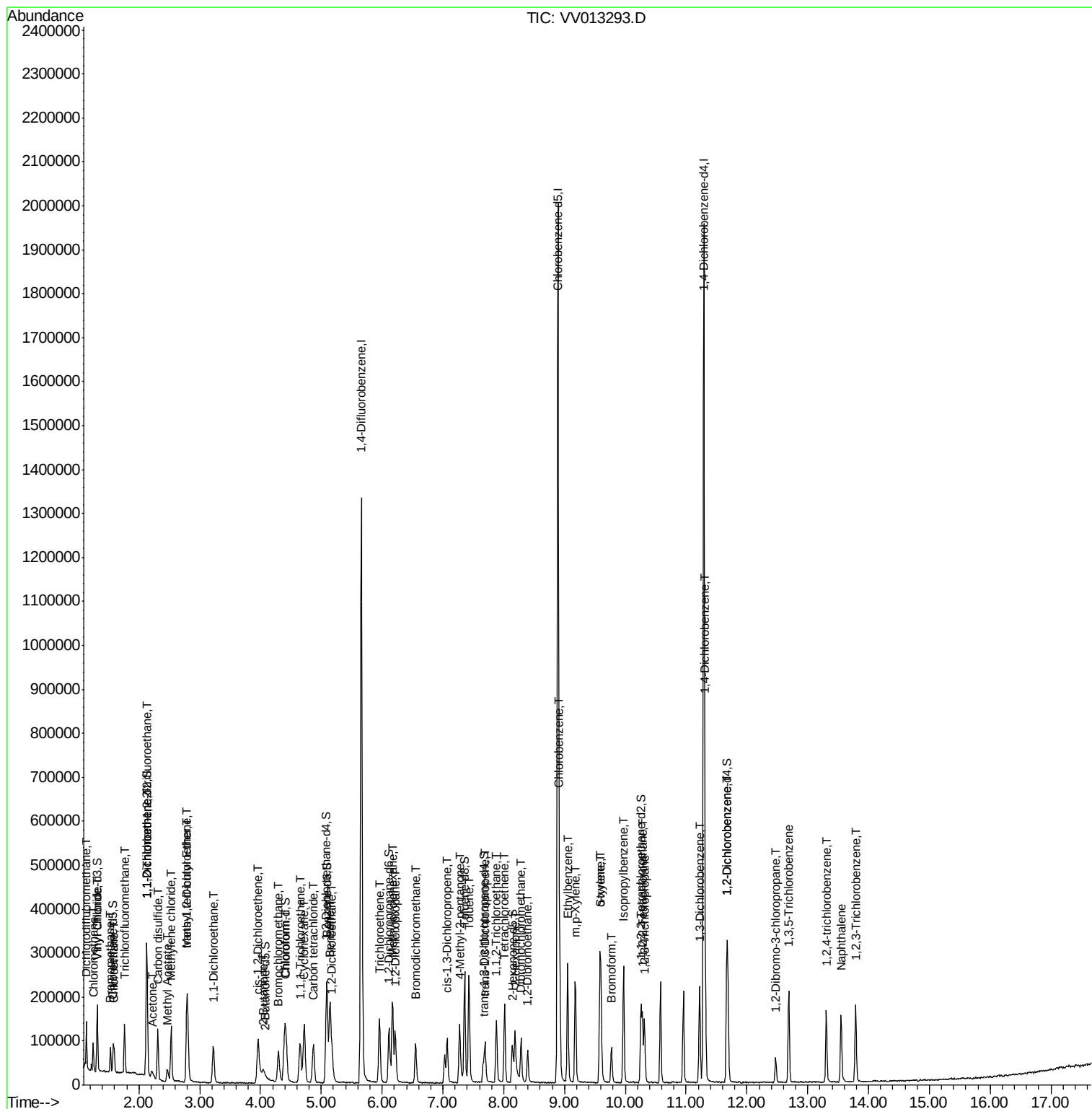
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	180284	5.145	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	53096	4.729	ug/L	94
45) 1,1,2-Trichloroethane	7.88	97	46314	5.537	ug/L	93
46) Tetrachloroethene	8.02	164	43621	5.962	ug/L	97
48) 2-Hexanone	8.19	43	79467	8.923	ug/L #	89
49) Dibromochloromethane	8.29	129	50157	5.456	ug/L	98
50) 1,2-Dibromoethane	8.39	107	47543	5.405	ug/L	91
51) Chlorobenzene	8.92	112	128659	5.559	ug/L	96
52) Ethylbenzene	9.05	91	181324	4.842	ug/L	99
53) m,p-Xylene	9.18	106	67444	4.759	ug/L	98
54) o-xylene	9.59	106	64478	4.568	ug/L	94
55) Styrene	9.60	104	105529	4.513	ug/L	100
56) Isopropylbenzene	9.97	105	166287	4.585	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	70466	5.737	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	59486	5.561	ug/L	97
61) Bromoform	9.77	173	38633	5.774	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	95260	5.536	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	103316	5.967	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	100371	5.733	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.47	75	14511	5.775	ug/L	86
67) 1,3,5-Trichlorobenzene	12.69	180	69389	5.610	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	54081	5.112	ug/L	98
69) Naphthalene	13.55	128	129511	4.452	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	59408	5.244	ug/L	100

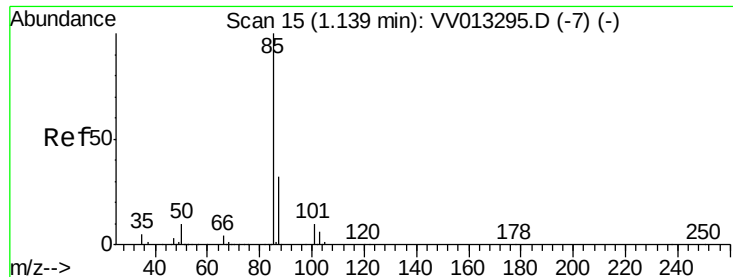
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 6.521 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

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Acq: 23 Oct 2019 10:14

Instrument :

MSVOA_V

ClientSampleId :

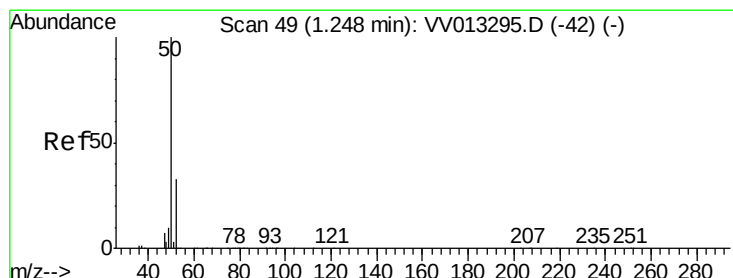
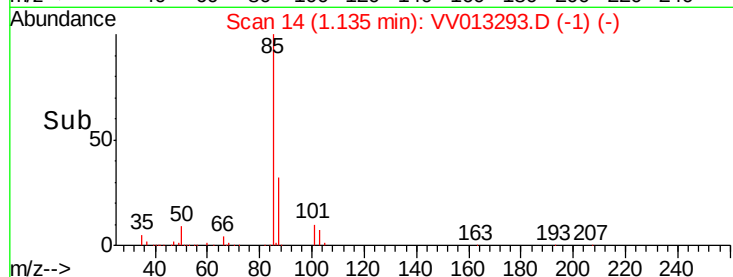
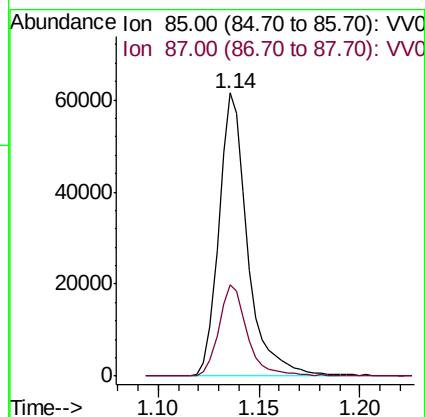
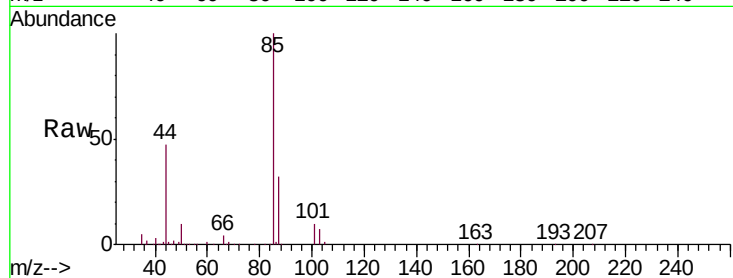
VSTD00565

Tgt Ion: 85 Resp: 60734

Ion Ratio Lower Upper

85 100

87 31.1 25.8 38.8



#3

Chloromethane

Concen: 4.560 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV013293.D

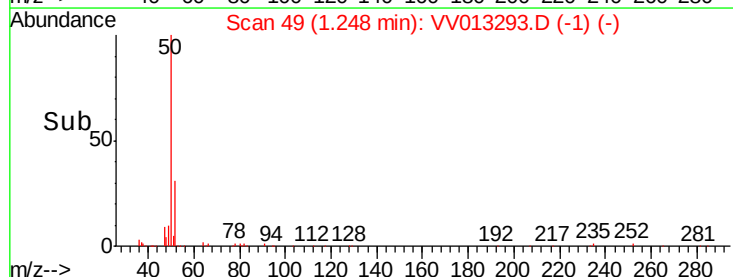
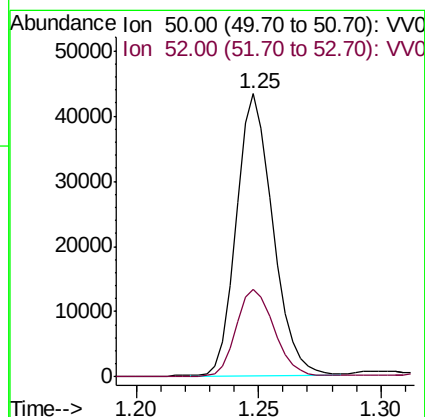
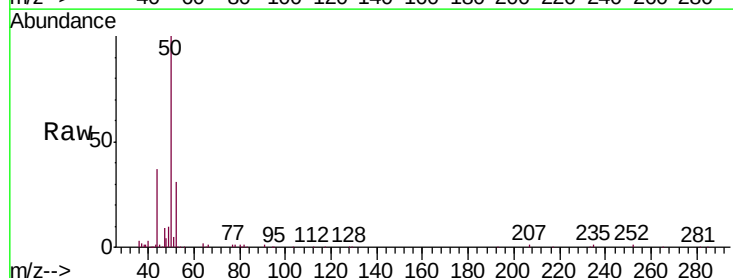
Acq: 23 Oct 2019 10:14

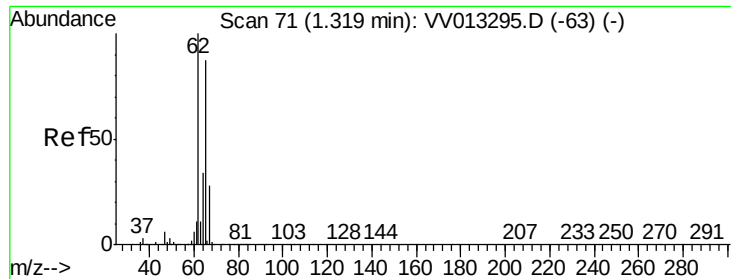
Tgt Ion: 50 Resp: 44906

Ion Ratio Lower Upper

50 100

52 31.1 23.2 43.2





#5

Vinyl chloride

Concen: 4.844 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

Instrument :

MSVOA_V

ClientSampleId :

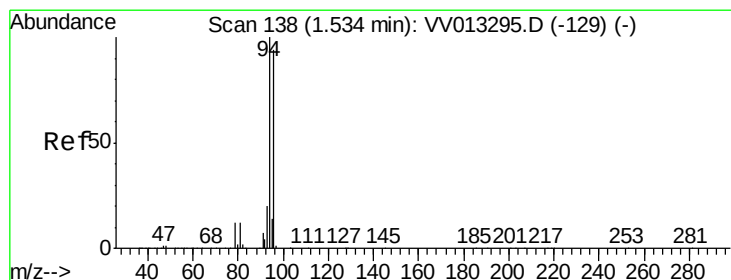
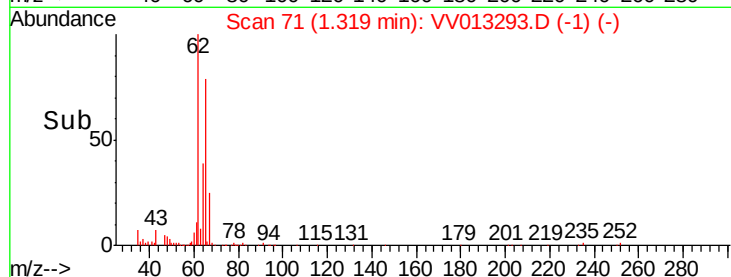
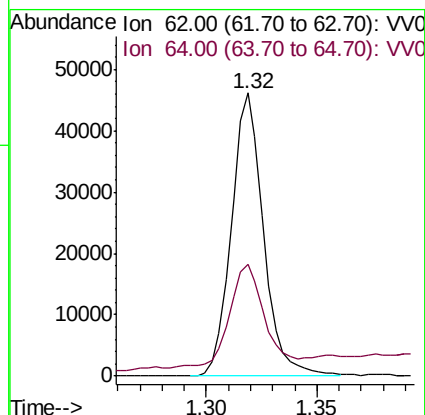
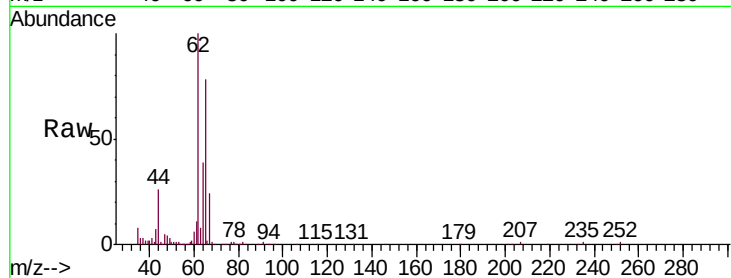
VSTD00565

Tgt Ion: 62 Resp: 46271

Ion Ratio Lower Upper

62 100

64 39.3 23.9 44.3



#6

Bromomethane

Concen: 4.560 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV013293.D

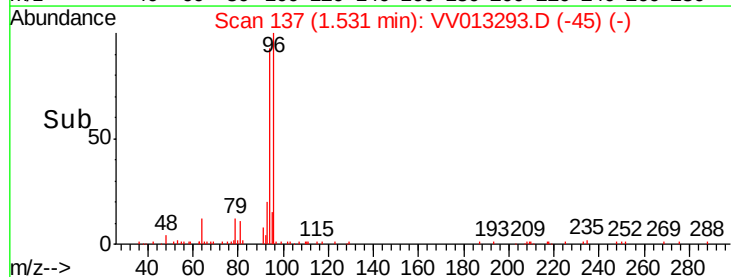
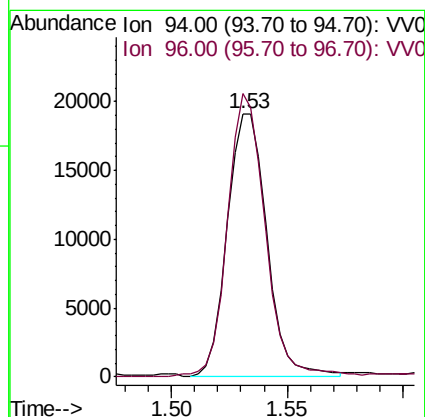
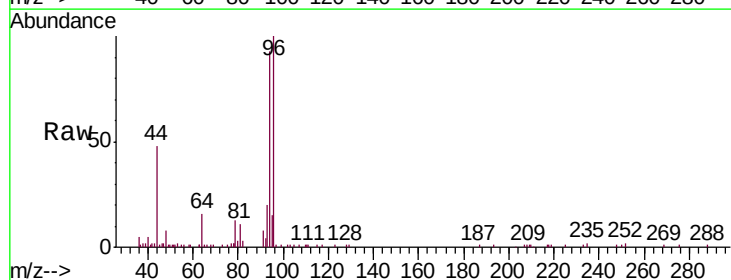
Acq: 23 Oct 2019 10:14

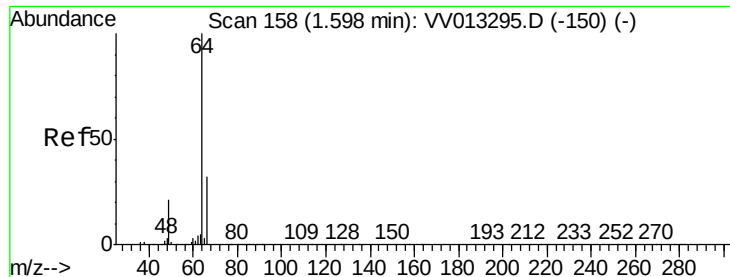
Tgt Ion: 94 Resp: 22697

Ion Ratio Lower Upper

94 100

96 107.6 65.7 121.9





#8

Chloroethane

Concen: 4.834 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

Instrument :

MSVOA_V

ClientSampleId :

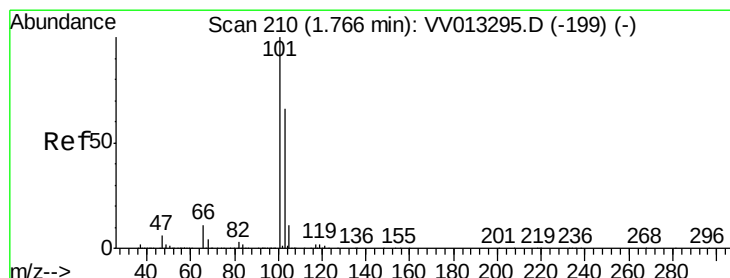
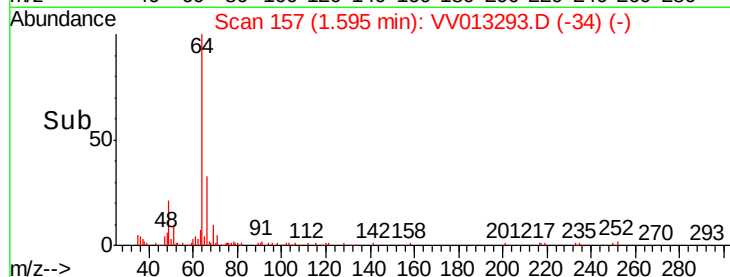
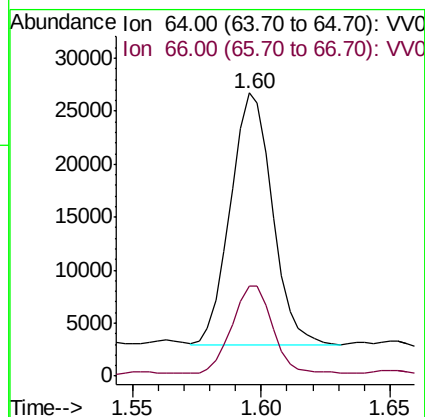
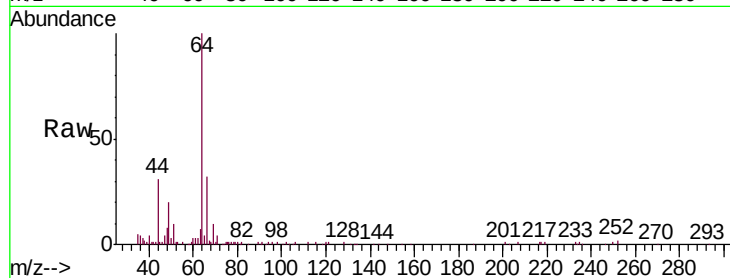
VSTD00565

Tgt Ion: 64 Resp: 26951

Ion Ratio Lower Upper

64 100

66 31.8 22.3 41.3



#9

Trichlorofluoromethane

Concen: 5.390 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV013293.D

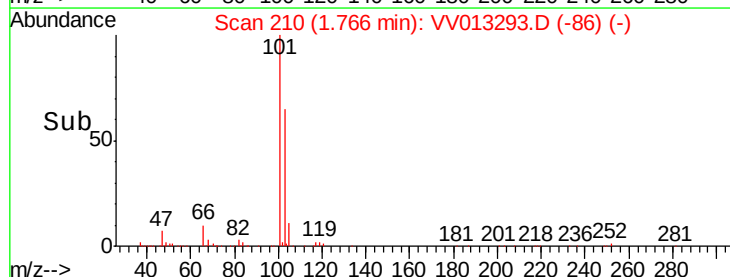
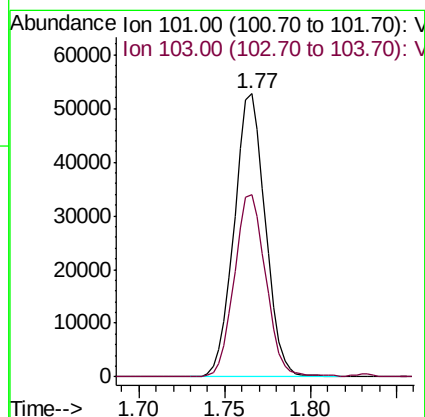
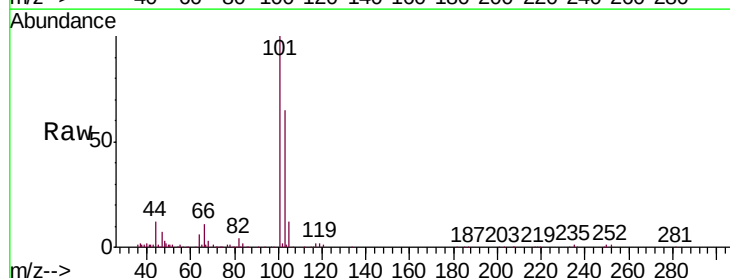
Acq: 23 Oct 2019 10:14

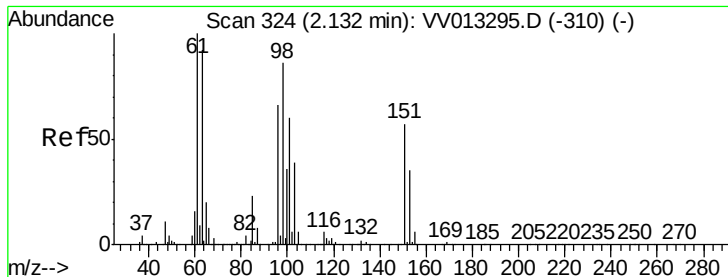
Tgt Ion: 101 Resp: 66422

Ion Ratio Lower Upper

101 100

103 64.7 53.0 79.4





#10

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

Concen: 5.463 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

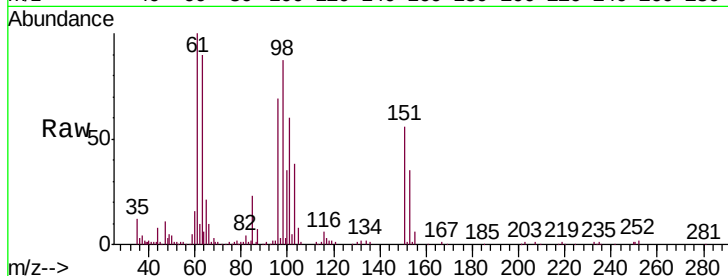
Tgt Ion:101 Resp: 39551

Ion Ratio Lower Upper

101 100

85 39.8 31.4 47.2

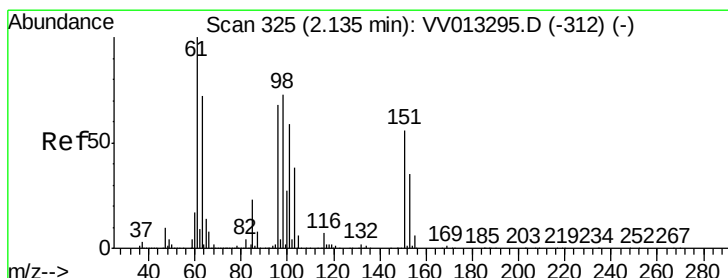
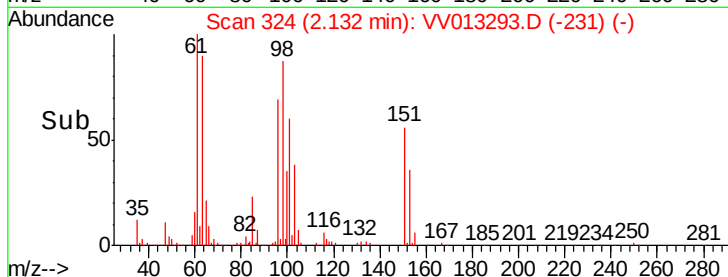
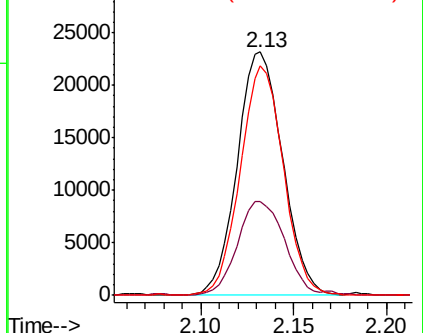
151 89.4 74.6 112.0



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: 5.397 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

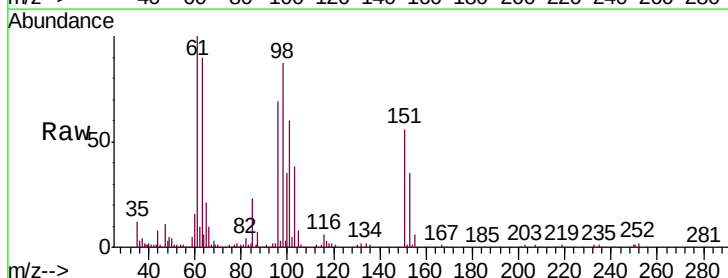
Tgt Ion: 96 Resp: 37859

Ion Ratio Lower Upper

96 100

61 145.3 103.3 191.8

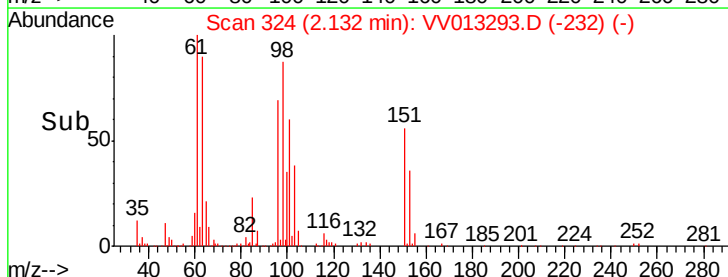
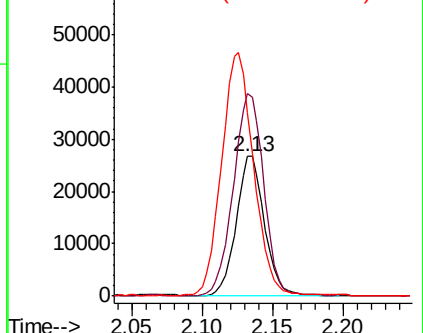
63 131.5 74.8 138.8

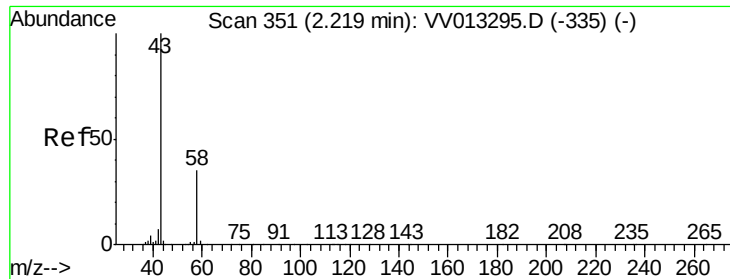


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 7.802 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.01 min

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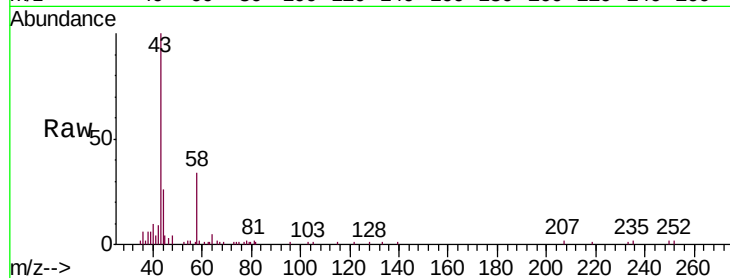
VSTD00565

Tgt Ion: 43 Resp: 37599

Ion Ratio Lower Upper

43 100

58 21.2 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VV013295.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VV013295.D (-335) (-)

2.21

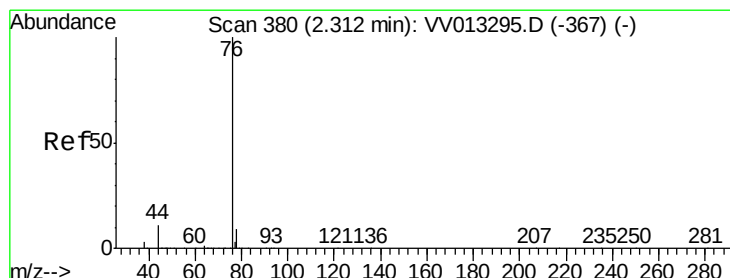
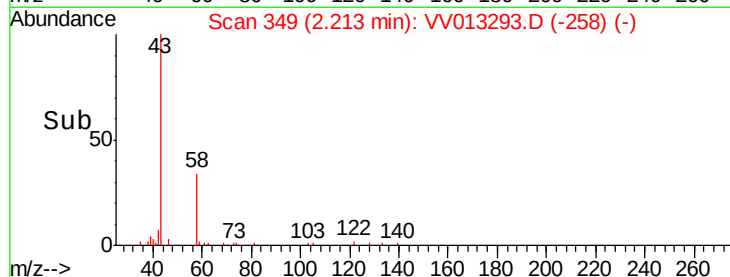
10000

5000

0

Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 6.240 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV013293.D

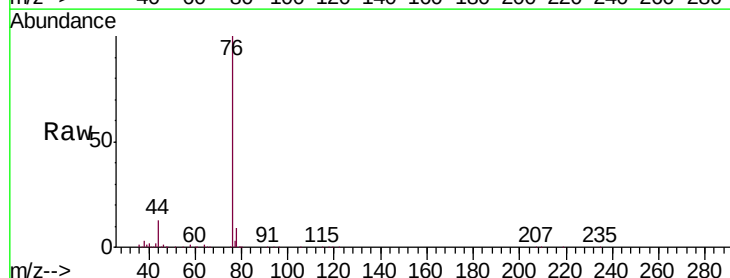
Acq: 23 Oct 2019 10:14

Tgt Ion: 76 Resp: 131714

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV013295.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV013295.D (-367) (-)

2.31

100000

80000

60000

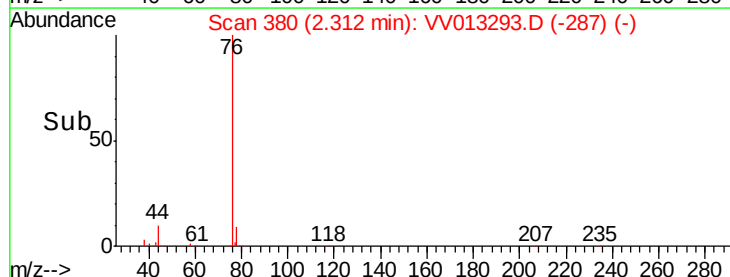
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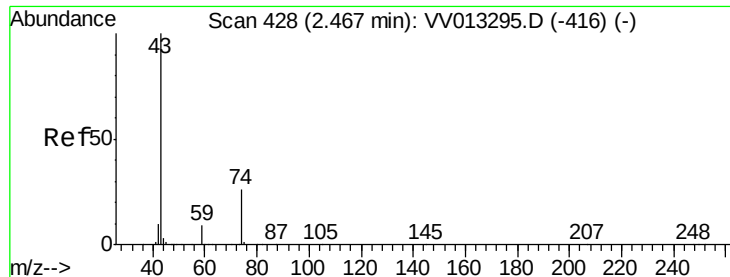
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Time-->

2.25 2.30 2.35 2.40

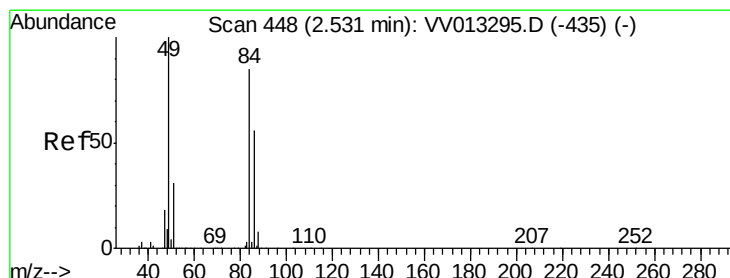
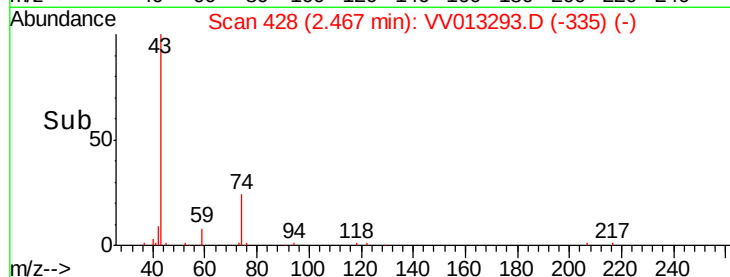
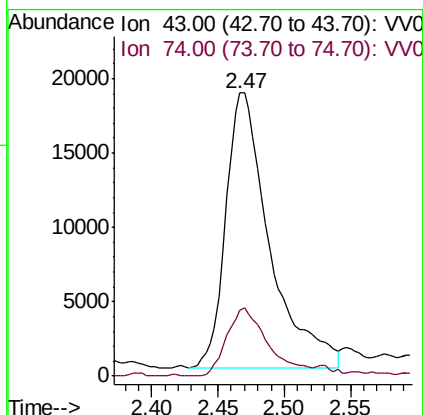
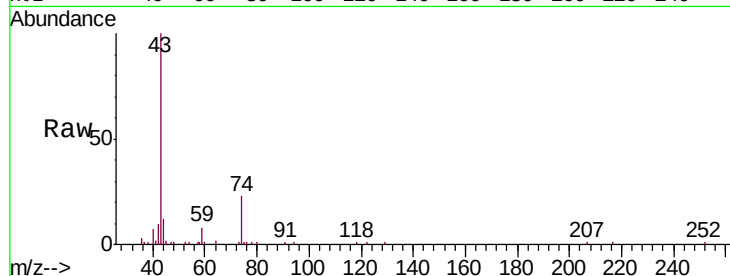




#15
Methyl Acetate
Concen: 4.821 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV013293.D
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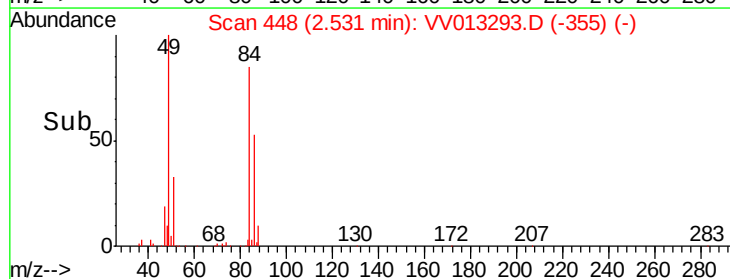
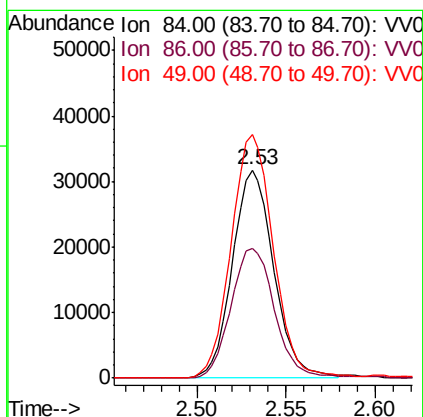
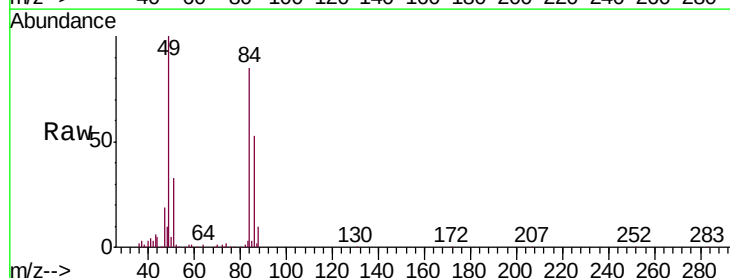
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

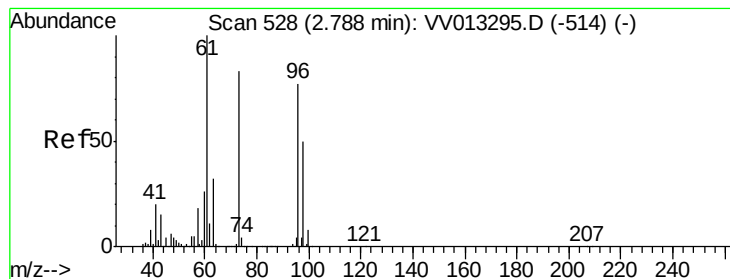
Tgt Ion: 43 Resp: 42432
Ion Ratio Lower Upper
43 100
74 23.6 20.6 31.0



#16
Methylene chloride
Concen: 5.901 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV013293.D
Acq: 23 Oct 2019 10:14

Tgt Ion: 84 Resp: 51291
Ion Ratio Lower Upper
84 100
86 62.4 46.2 85.8
49 117.1 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 5.875 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

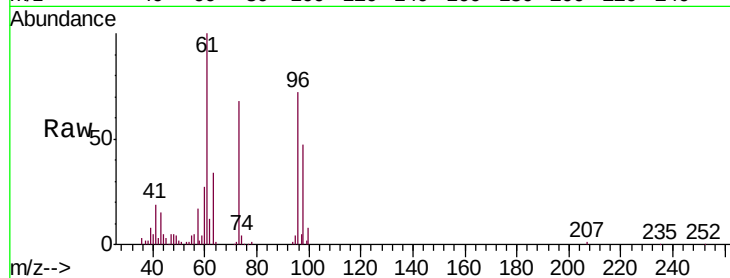
Tgt Ion: 96 Resp: 46534

Ion Ratio Lower Upper

96 100

61 139.1 91.2 169.4

98 66.0 45.7 84.9

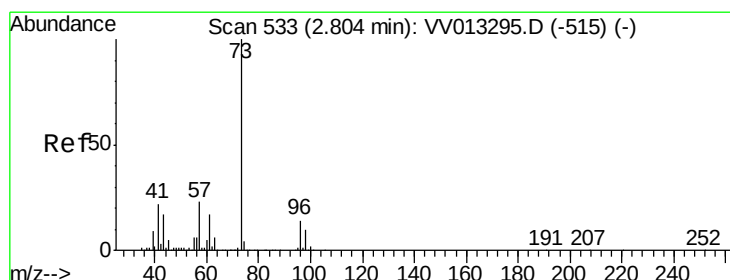
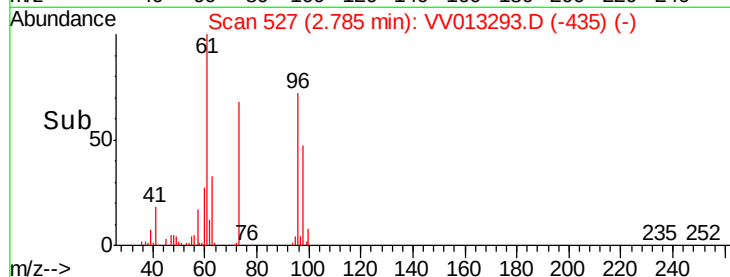
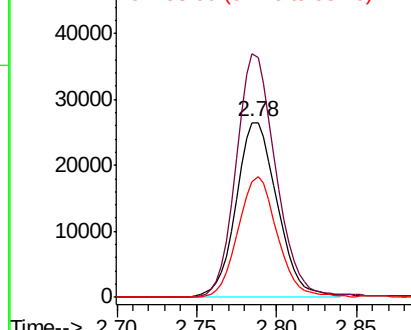


Abundance

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: 5.288 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

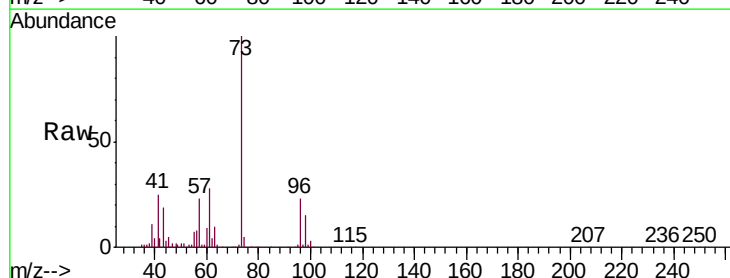
Tgt Ion: 73 Resp: 126015

Ion Ratio Lower Upper

73 100

43 18.1 14.2 21.2

57 23.2 17.6 26.4

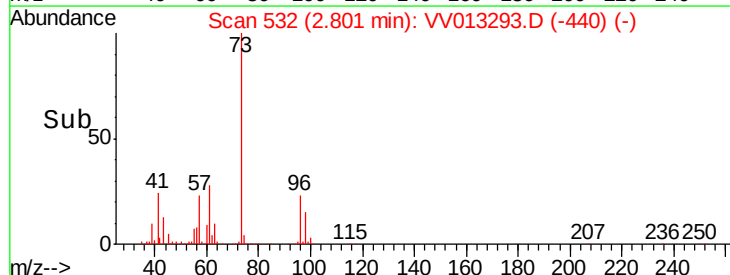
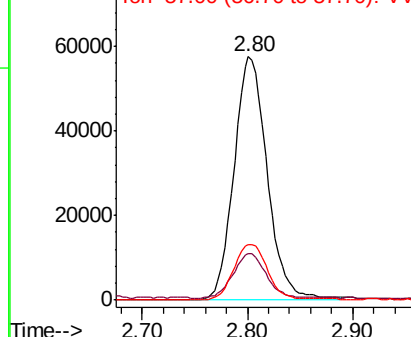


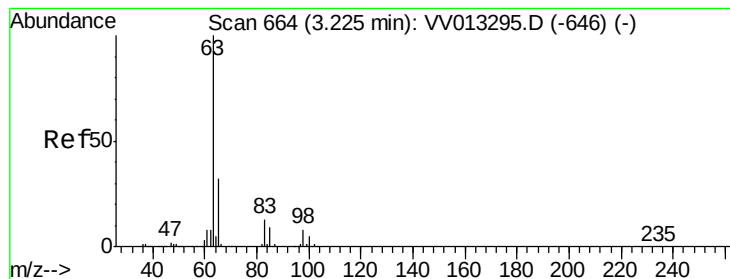
Abundance

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: 5.640 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

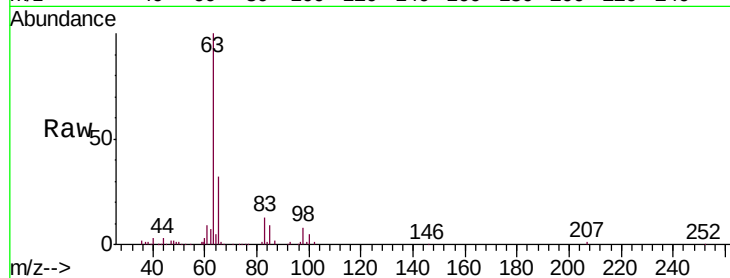
Tgt Ion: 63 Resp: 83819

Ion Ratio Lower Upper

63 100

65 32.0 22.5 41.7

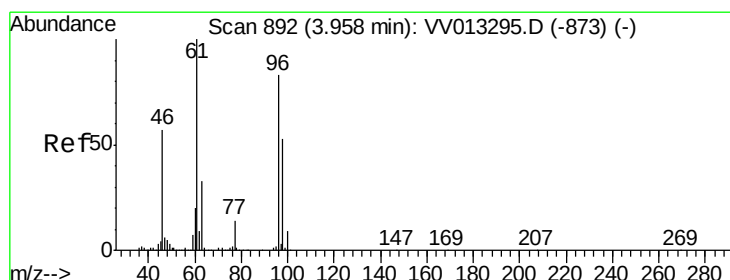
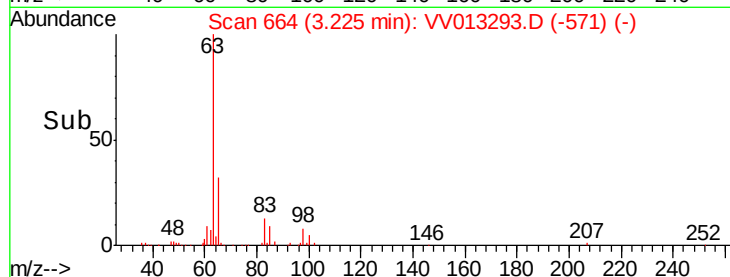
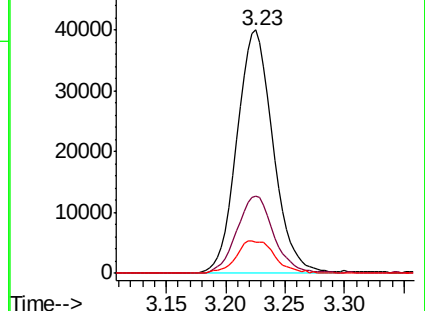
83 13.0 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV013293.D (-646) (-)

Ion 65.00 (64.70 to 65.70): VV013293.D (-646) (-)

Ion 83.00 (82.70 to 83.70): VV013293.D (-646) (-)



#20

cis-1,2-Dichloroethene

Concen: 5.441 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

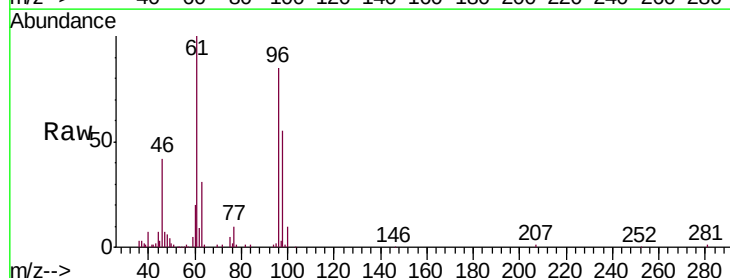
Tgt Ion: 96 Resp: 48674

Ion Ratio Lower Upper

96 100

61 117.6 84.8 157.4

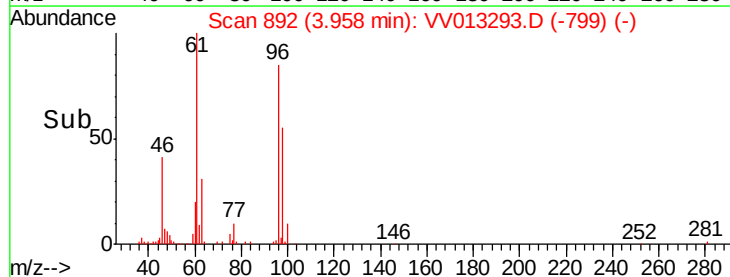
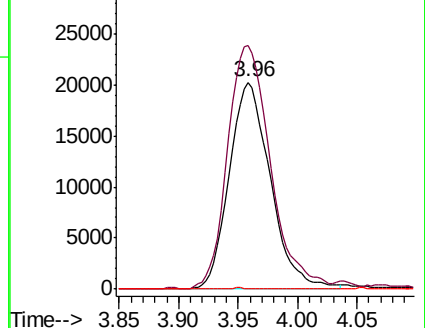
68 0.0 0.0 0.0

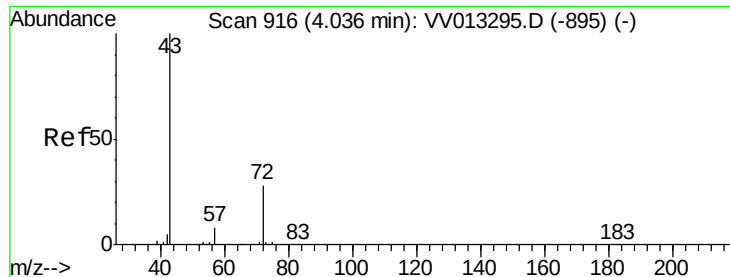


Abundance Ion 96.00 (95.70 to 96.70): VV013293.D (-799) (-)

Ion 61.00 (60.70 to 61.70): VV013293.D (-799) (-)

Ion 68.00 (67.70 to 68.70): VV013293.D (-799) (-)





#22

2-Butanone

Concen: 6.300 ug/L

RT: 4.05 min Scan# 921

Delta R.T. 0.02 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

Instrument :

MSVOA_V

ClientSampled :

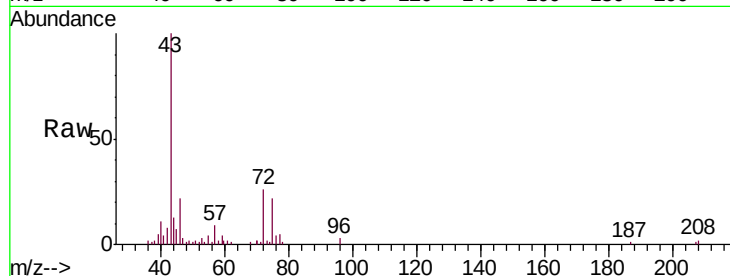
VSTD00565

Tgt Ion: 43 Resp: 39058

Ion Ratio Lower Upper

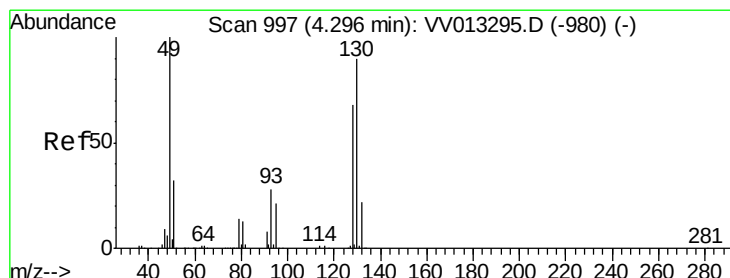
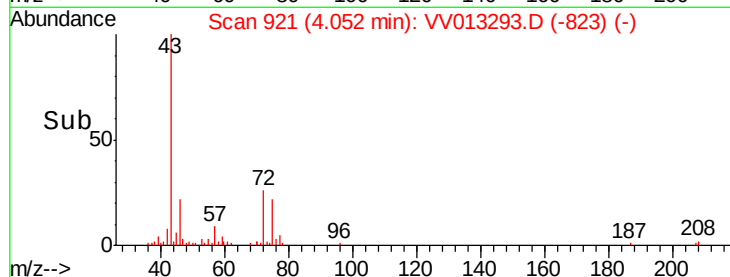
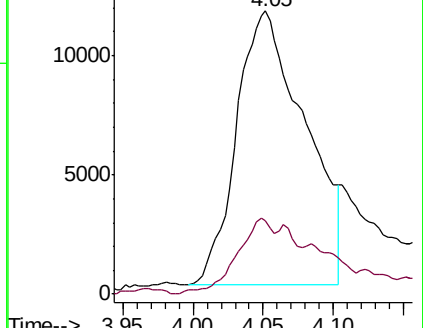
43 100

72 14.6 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV013293.D (-921) (-)

Ion 72.00 (71.70 to 72.70): VV013293.D (-921) (-)



#23

Bromochloromethane

Concen: 5.757 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

Tgt Ion: 128 Resp: 26463

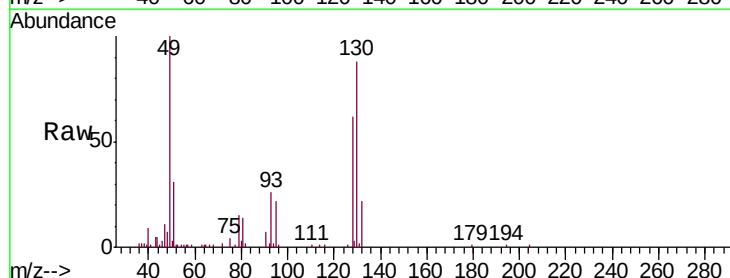
Ion Ratio Lower Upper

128 100

49 162.6 103.1 191.5

130 143.7 92.5 171.7

51 50.1 37.6 56.4

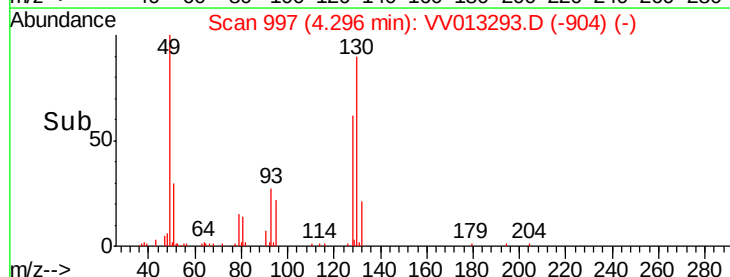
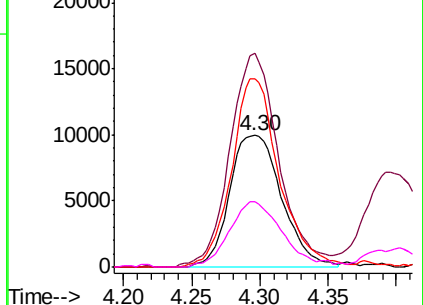


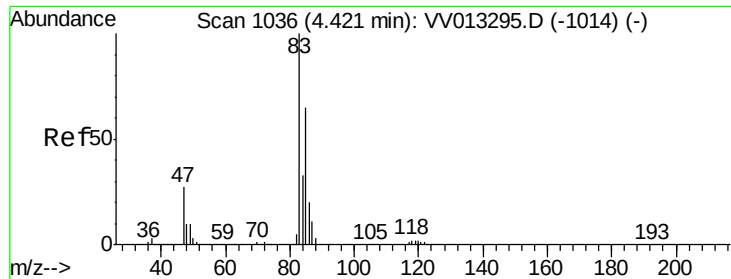
Abundance Ion 128.00 (127.70 to 128.70): VV013293.D (-997) (-)

Ion 49.00 (48.70 to 49.70): VV013293.D (-997) (-)

Ion 130.00 (129.70 to 130.70): VV013293.D (-997) (-)

Ion 51.00 (50.70 to 51.70): VV013293.D (-997) (-)

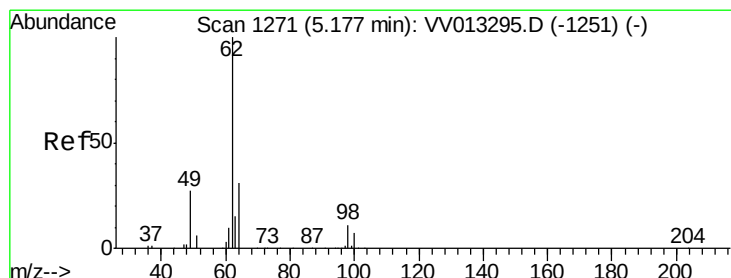
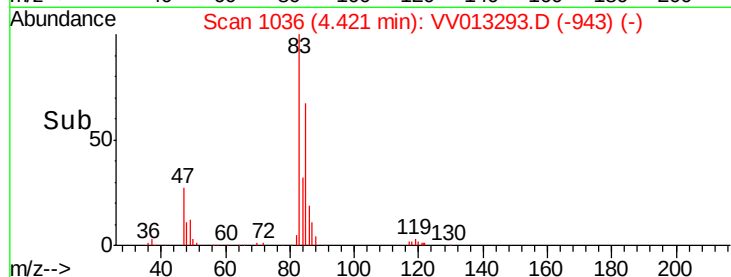
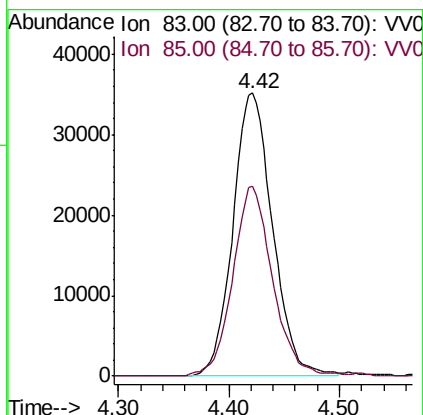
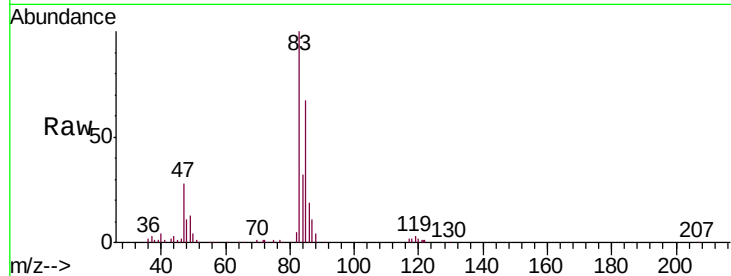




#25
Chloroform
Concen: 5.826 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013293.D
Acq: 23 Oct 2019 10:14

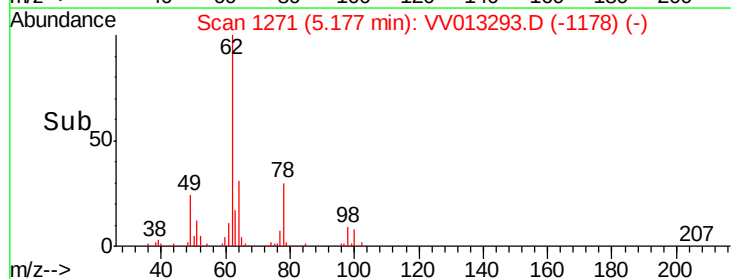
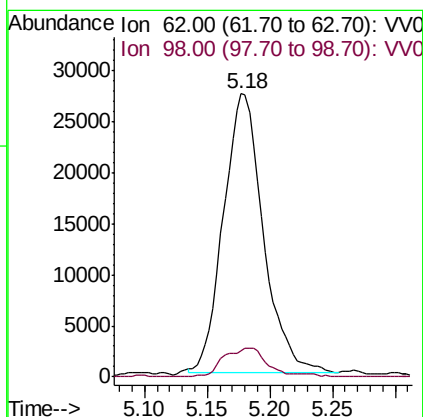
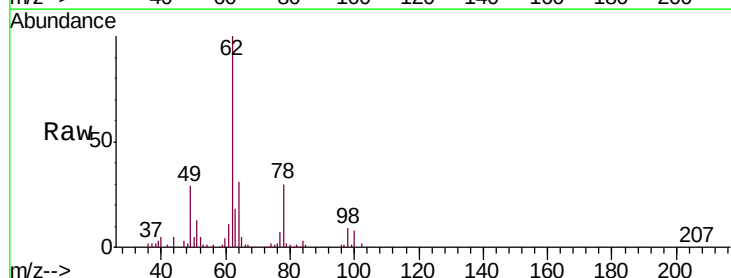
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

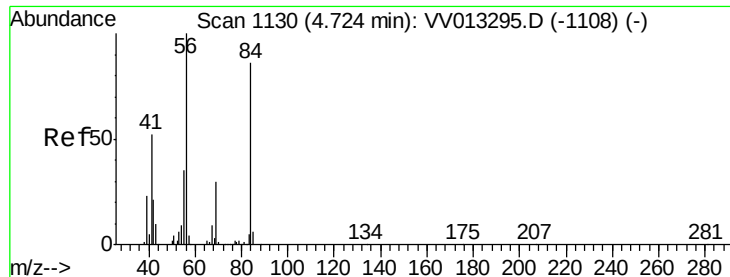
Tgt Ion: 83 Resp: 87529
Ion Ratio Lower Upper
83 100
85 67.1 45.8 85.0



#27
1,2-Dichloroethane
Concen: 5.267 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV013293.D
Acq: 23 Oct 2019 10:14

Tgt Ion: 62 Resp: 59985
Ion Ratio Lower Upper
62 100
98 9.1 8.5 12.7





#29

Cyclohexane

Concen: 4.792 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

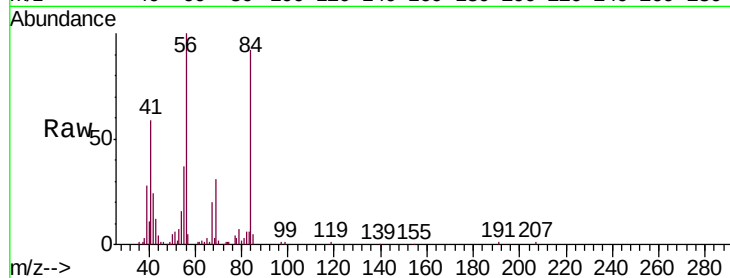
Tgt Ion: 56 Resp: 63920

Ion Ratio Lower Upper

56 100

69 31.6 24.4 36.6

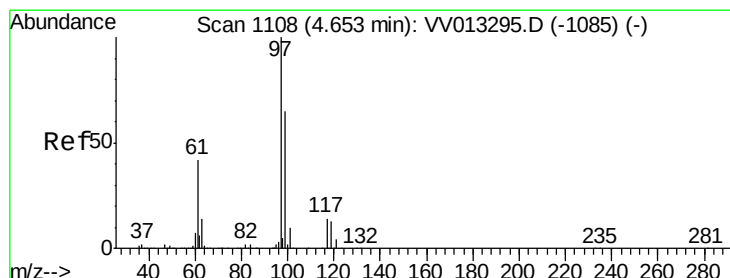
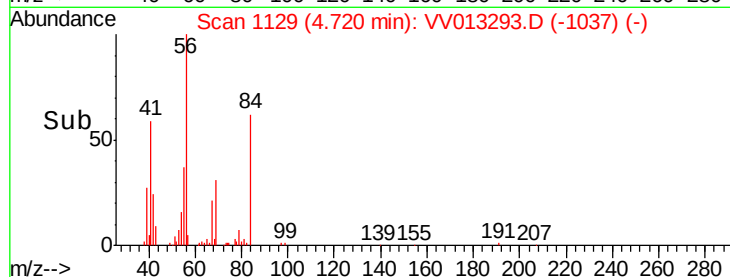
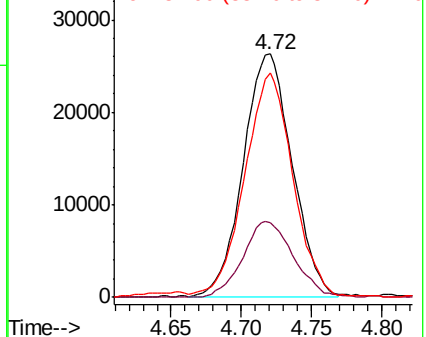
84 89.4 70.5 105.7



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: 5.783 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

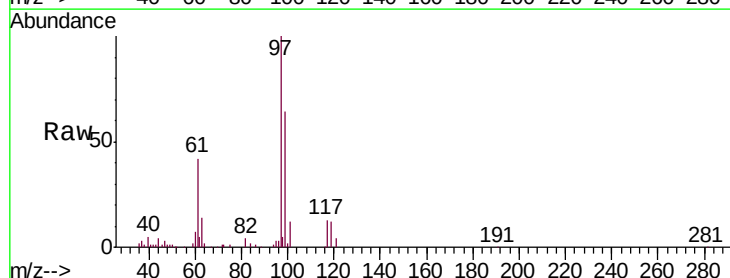
Tgt Ion: 97 Resp: 72407

Ion Ratio Lower Upper

97 100

99 63.2 51.0 76.6

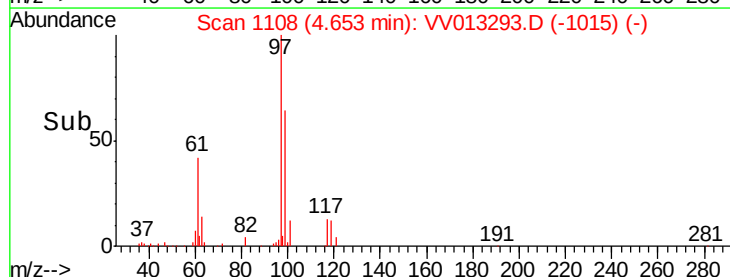
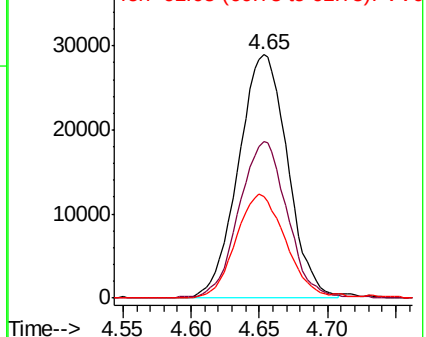
61 43.0 33.2 49.8

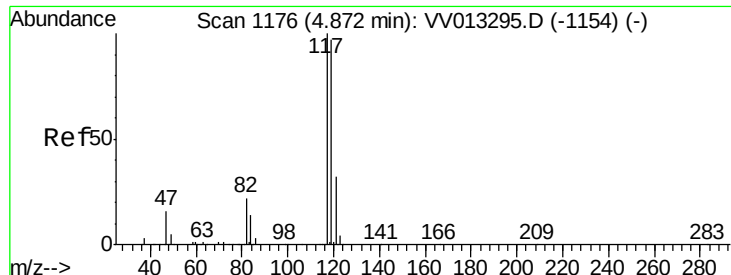


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 5.817 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

Instrument :

MSVOA_V

ClientSampleId :

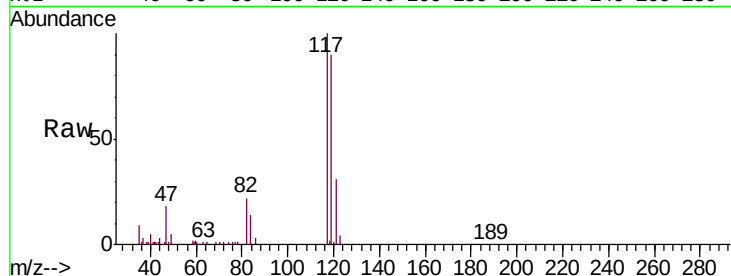
VSTD00565

Tgt Ion:117 Resp: 64901

Ion Ratio Lower Upper

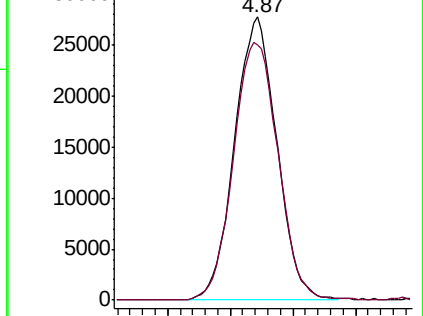
117 100

119 96.4 76.6 115.0

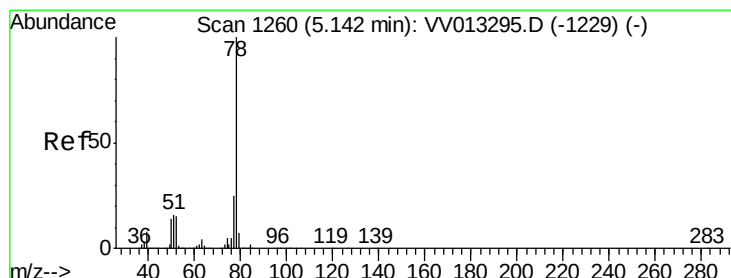
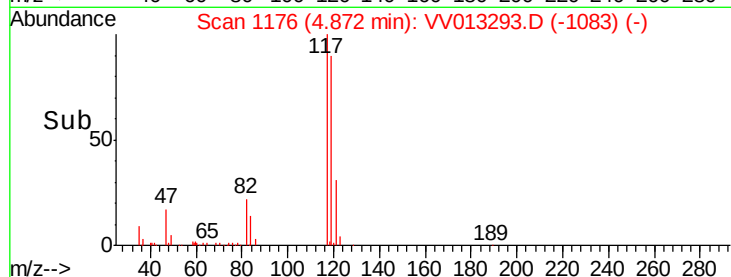


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#33

Benzene

Concen: 5.360 ug/L

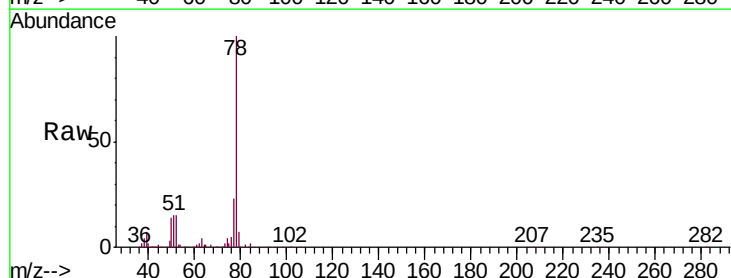
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

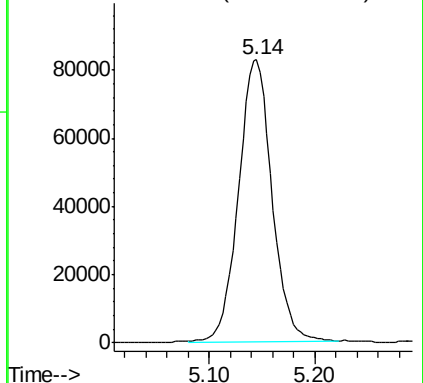
Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

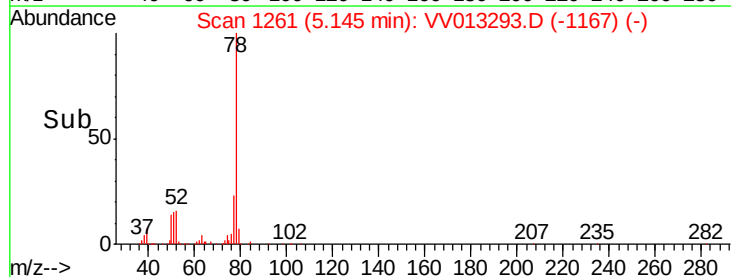
Tgt Ion: 78 Resp: 182570

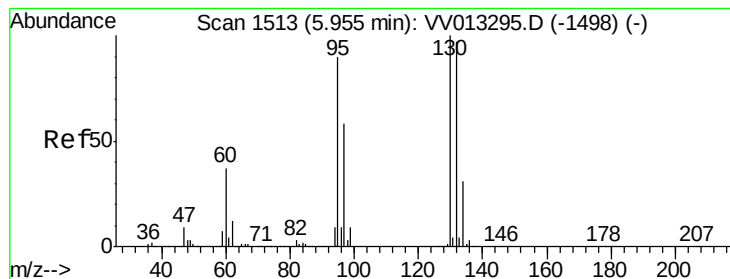


Abundance Ion 78.00 (77.70 to 78.70): VV0



Time-->





#34

Trichloroethene

Concen: 5.501 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

Tgt Ion: 95 Resp: 49736

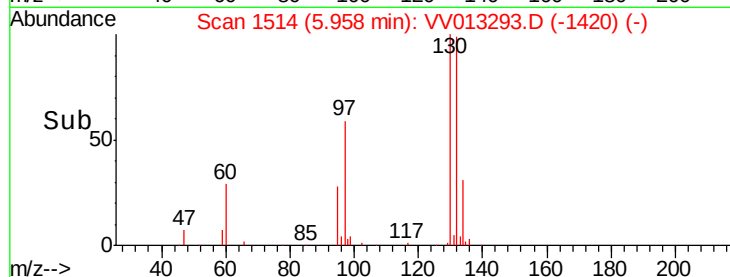
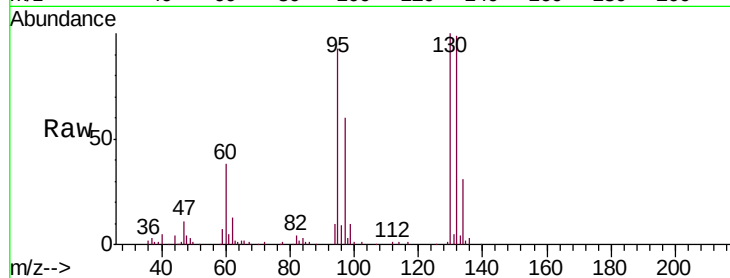
Ion Ratio Lower Upper

95 100

97 63.8 45.3 84.1

132 105.7 75.5 140.1

130 107.1 77.7 144.3

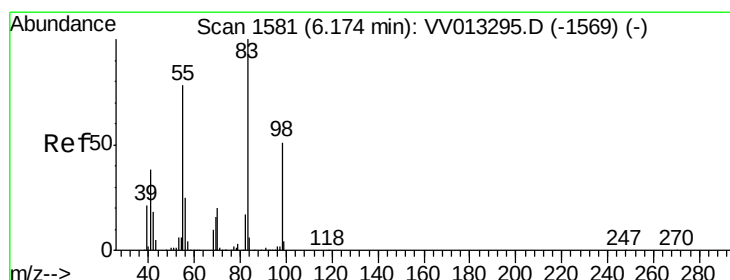
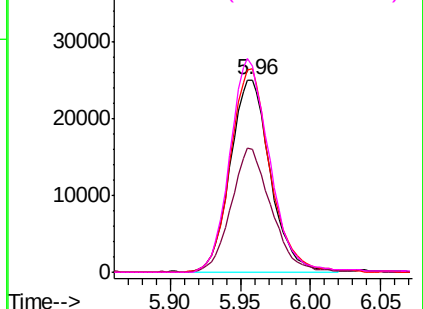


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.905 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

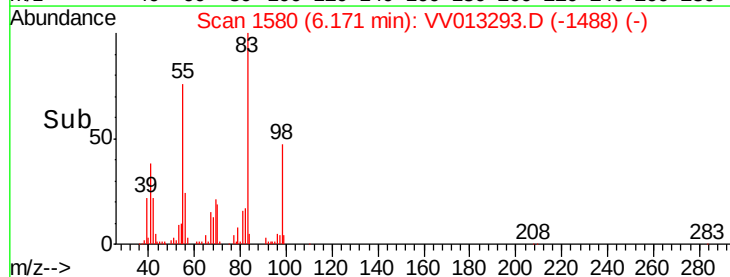
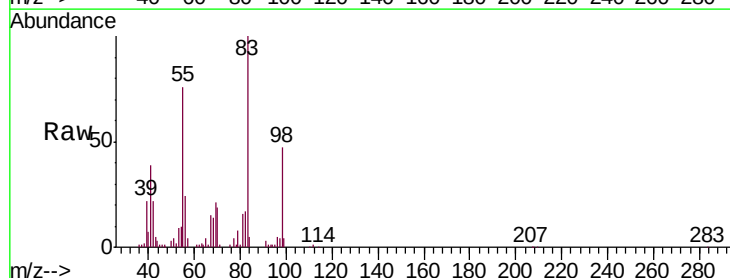
Tgt Ion: 83 Resp: 67332

Ion Ratio Lower Upper

83 100

55 78.2 59.0 88.4

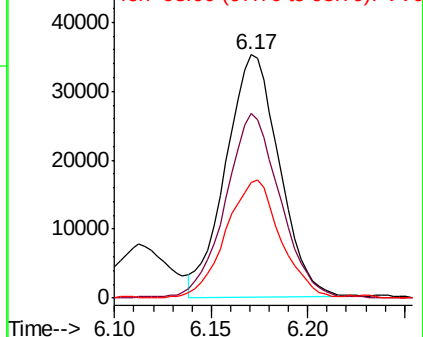
98 49.4 39.3 58.9

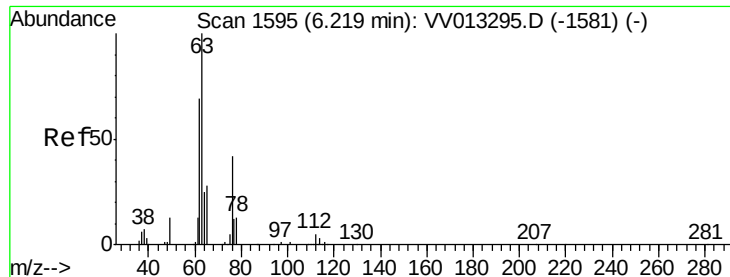


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 5.221 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

Instrument :

MSVOA_V

ClientSampled :

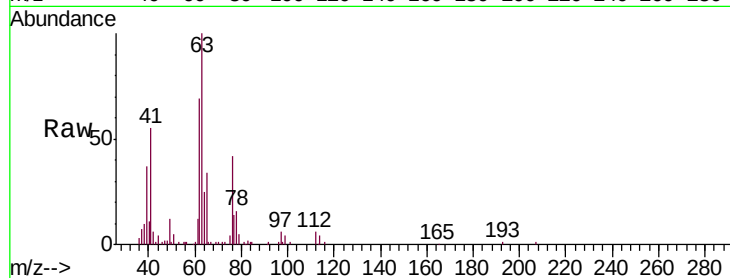
VSTD00565

Tgt Ion: 63 Resp: 45826

Ion Ratio Lower Upper

63 100

112 5.0 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VV013295.D (-1581) (-)

Ion 112.00 (111.70 to 112.70): VV013295.D (-1581) (-)

6.22

25000

20000

15000

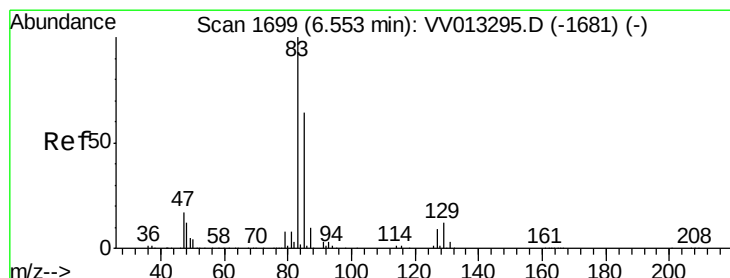
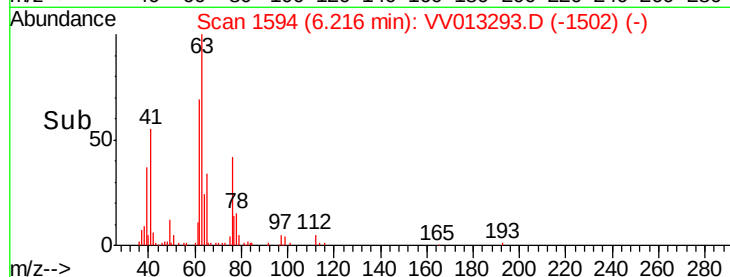
10000

5000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.453 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

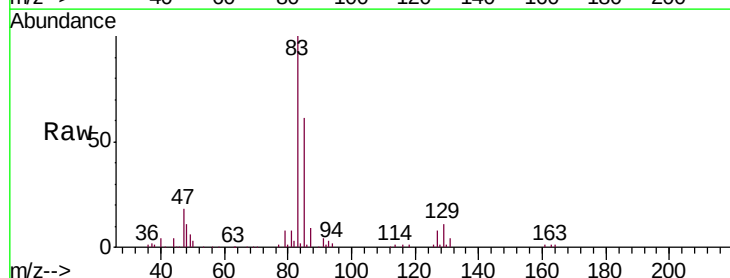
Tgt Ion: 83 Resp: 61296

Ion Ratio Lower Upper

83 100

85 61.3 44.6 82.8

127 8.5 7.4 11.2



Abundance Ion 83.00 (82.70 to 83.70): VV013295.D (-1681) (-)

Ion 85.00 (84.70 to 85.70): VV013295.D (-1681) (-)

Ion 127.00 (126.70 to 127.70): VV013295.D (-1681) (-)

6.55

40000

30000

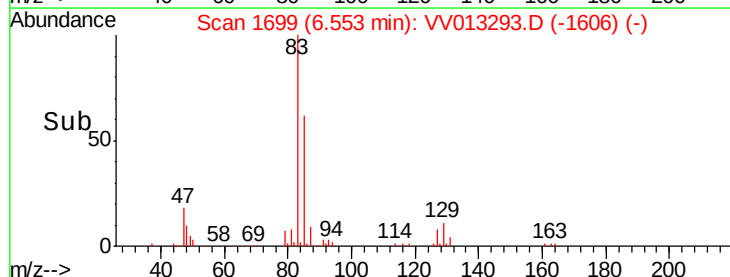
20000

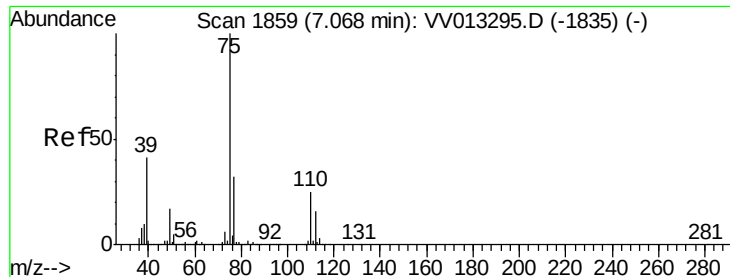
10000

0

6.50 6.55 6.60

Time-->

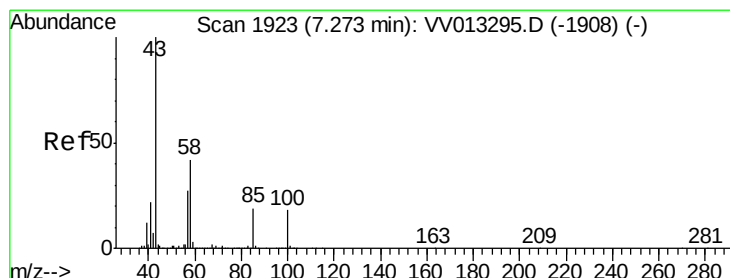
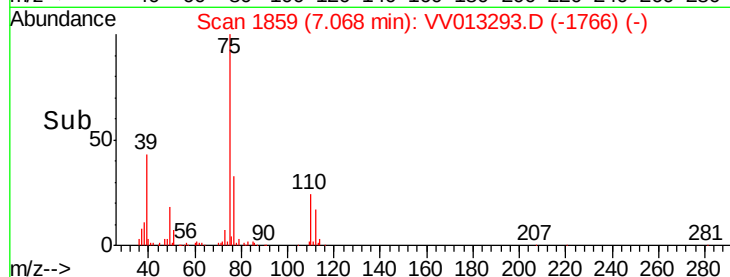
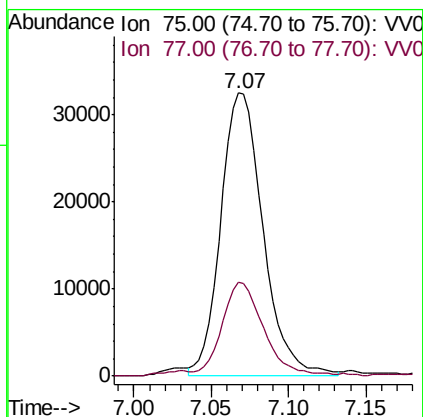
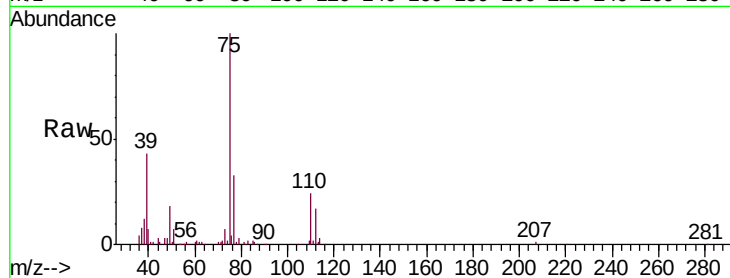




#39
 cis-1,3-Dichloropropene
 Concen: 4.767 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV013293.D
 Acq: 23 Oct 2019 10:14

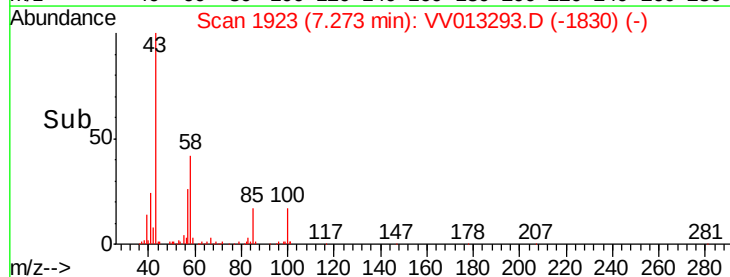
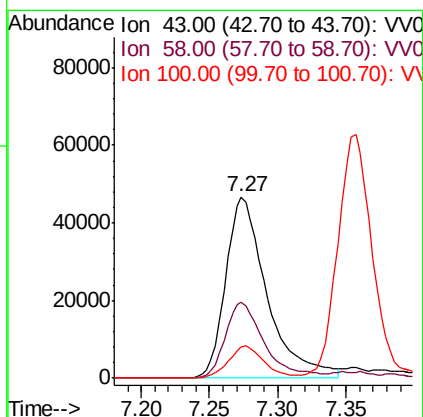
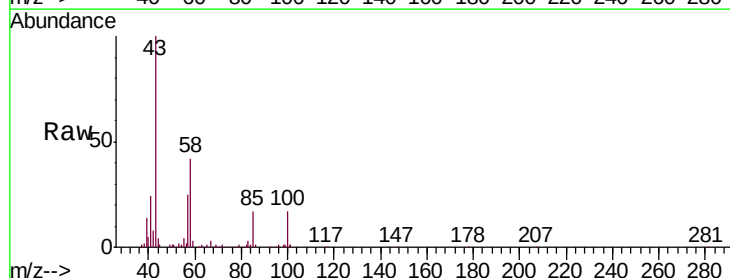
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

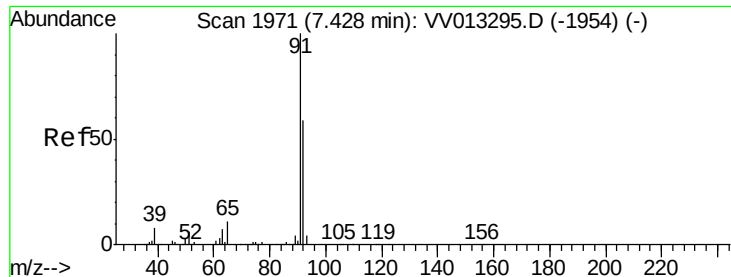
Tgt Ion: 75 Resp: 61826
 Ion Ratio Lower Upper
 75 100
 77 33.3 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 8.583 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV013293.D
 Acq: 23 Oct 2019 10:14

Tgt Ion: 43 Resp: 97051
 Ion Ratio Lower Upper
 43 100
 58 39.9 33.0 49.4
 100 15.7 13.8 20.6





#42

Toluene

Concen: 5.145 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

Instrument :

MSVOA_V

ClientSampleId :

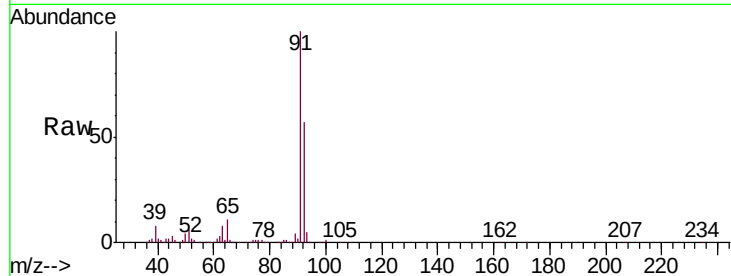
VSTD00565

Tgt Ion: 91 Resp: 180284

Ion Ratio Lower Upper

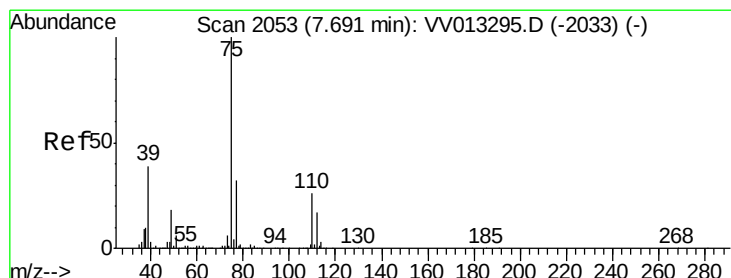
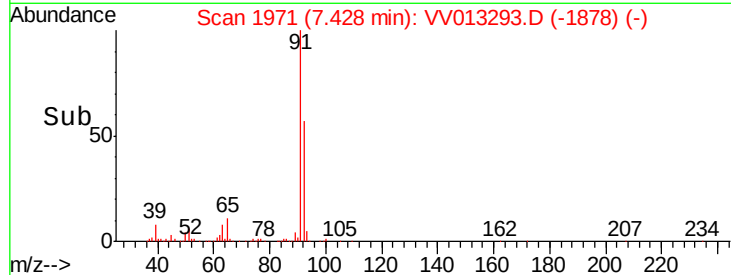
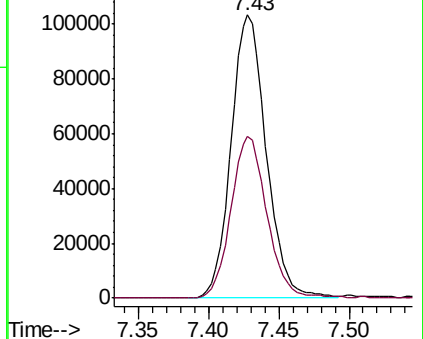
91 100

92 57.3 41.4 77.0



Abundance Ion 91.00 (90.70 to 91.70): VV013293.D (-1878) (-)

Ion 92.00 (91.70 to 92.70): VV013293.D (-1878) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.729 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013293.D

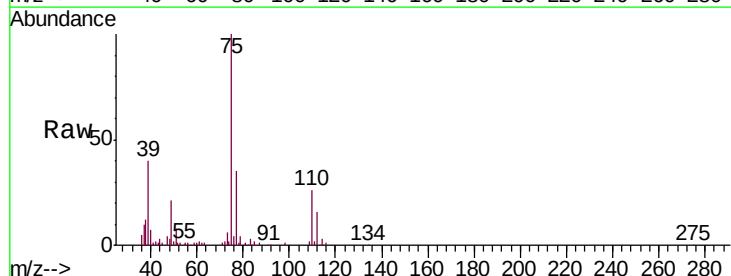
Acq: 23 Oct 2019 10:14

Tgt Ion: 75 Resp: 53096

Ion Ratio Lower Upper

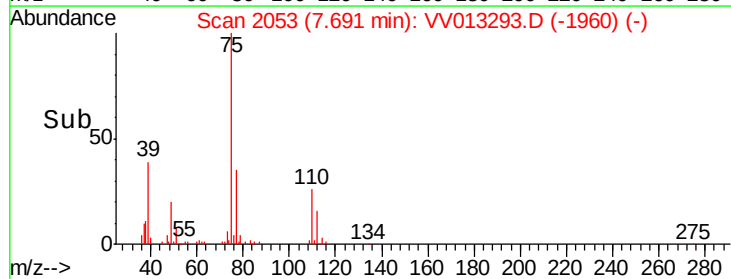
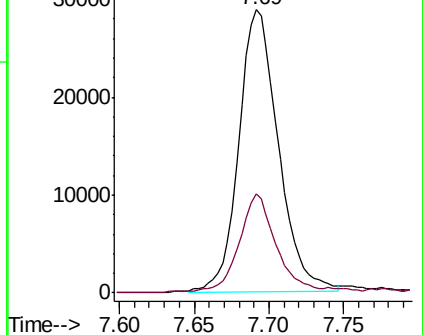
75 100

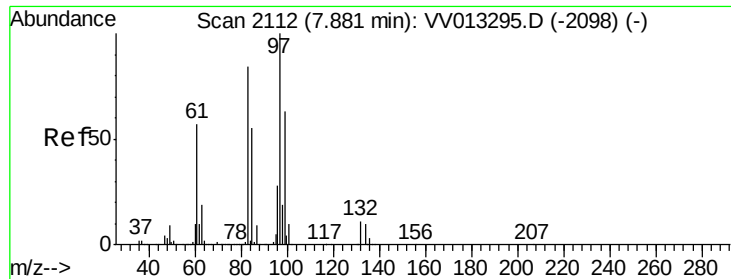
77 34.8 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV013293.D (-1960) (-)

Ion 77.00 (76.70 to 77.70): VV013293.D (-1960) (-)

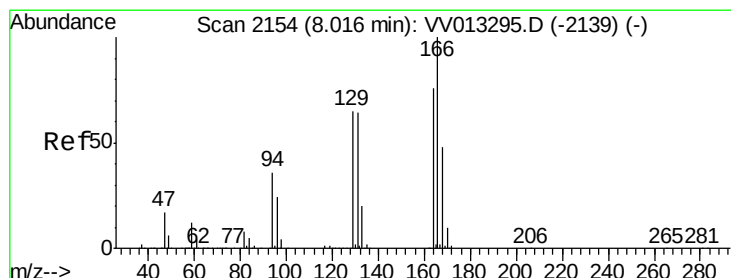
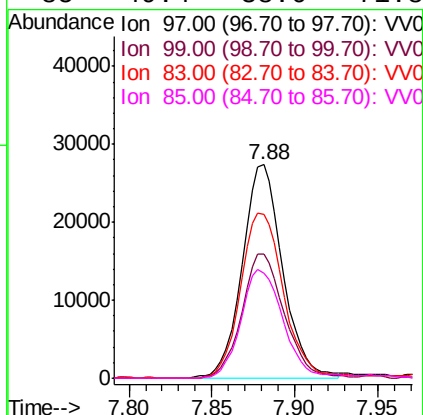
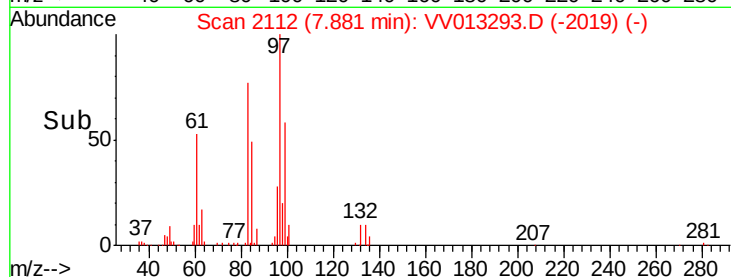
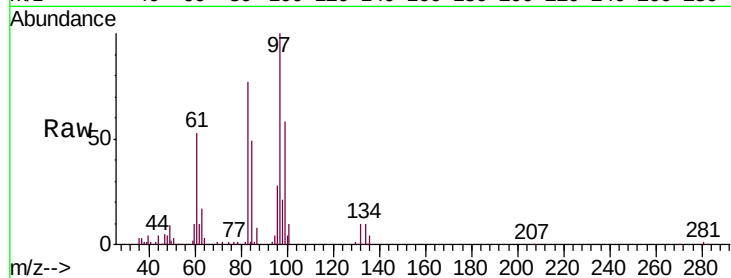




#45
 1,1,2-Trichloroethane
 Concen: 5.537 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013293.D
 Acq: 23 Oct 2019 10:14

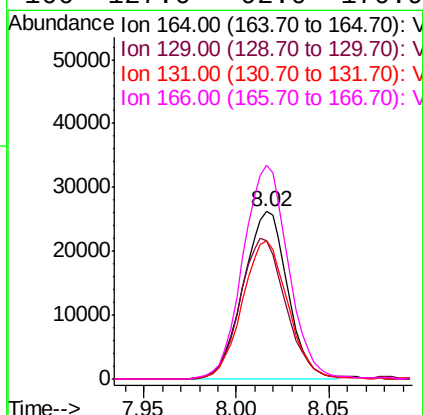
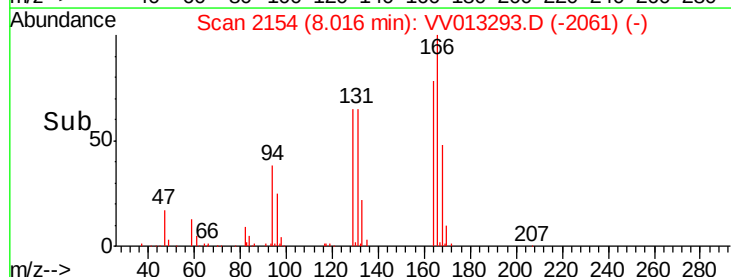
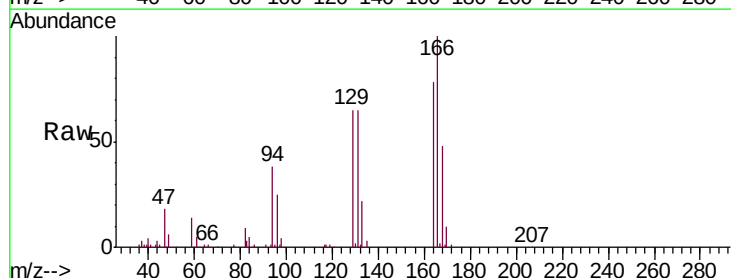
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

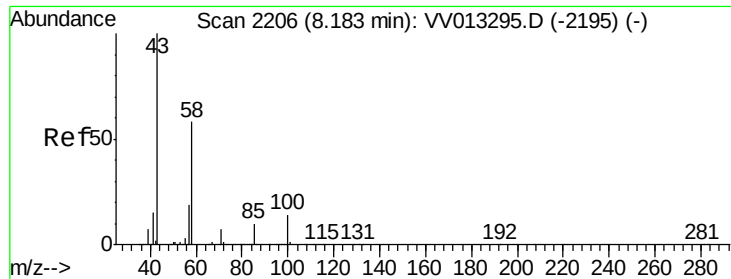
Tgt Ion:	97	Resp:	46314
Ion	Ratio	Lower	Upper
97	100		
99	58.4	44.1	81.9
83	76.6	58.9	109.3
85	49.4	38.6	71.8



#46
 Tetrachloroethene
 Concen: 5.962 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013293.D
 Acq: 23 Oct 2019 10:14

Tgt Ion:	164	Resp:	43621
Ion	Ratio	Lower	Upper
164	100		
129	82.9	59.7	110.9
131	82.7	59.2	110.0
166	127.6	92.0	170.9

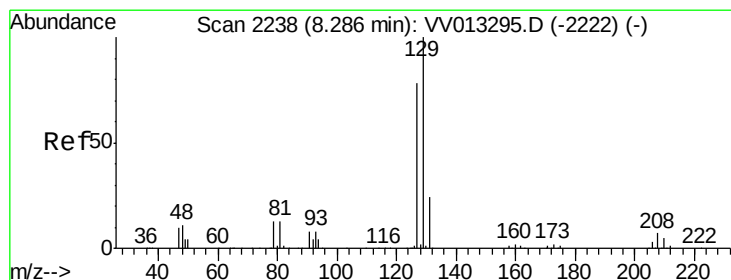
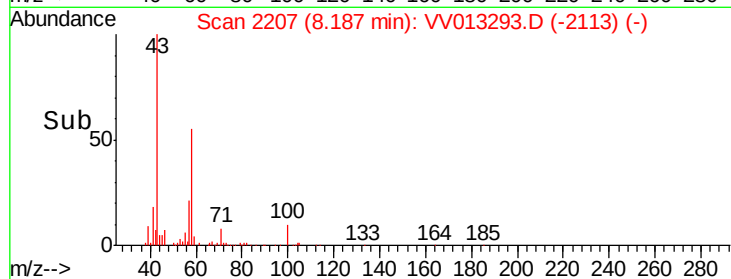
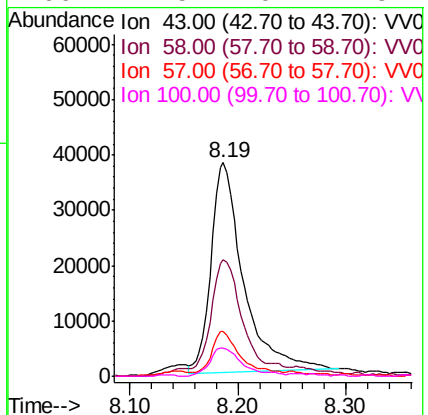
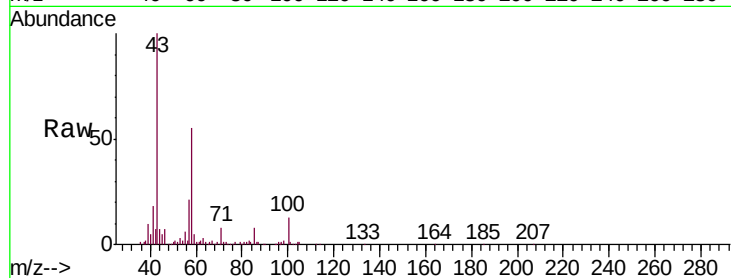




#48
 2-Hexanone
 Concen: 8.923 ug/L
 RT: 8.19 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VV013293.D
 Acq: 23 Oct 2019 10:14

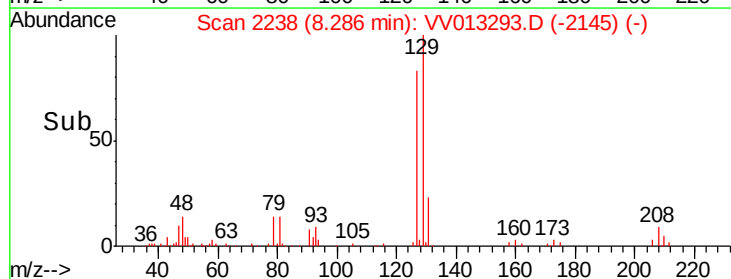
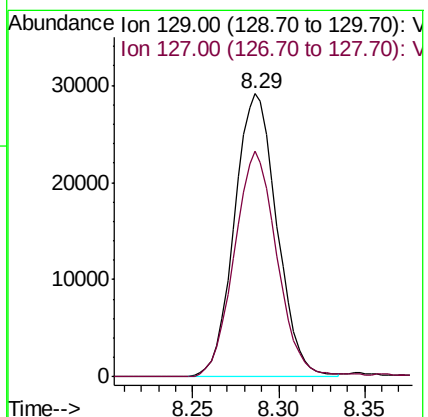
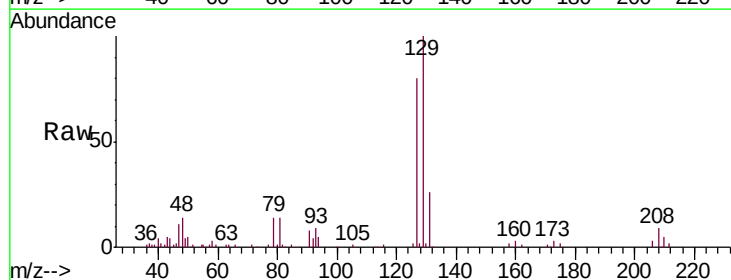
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

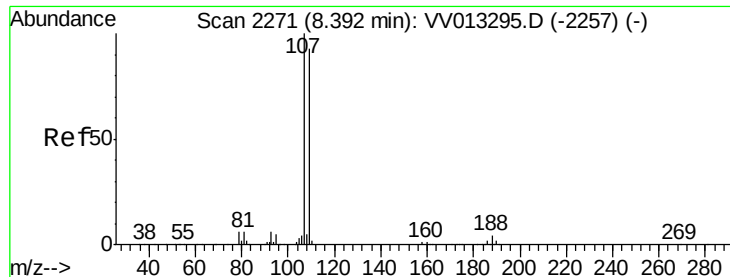
Tgt Ion: 43 Resp: 79467
 Ion Ratio Lower Upper
 43 100
 58 46.9 47.0 70.6#
 57 16.7 13.8 20.8
 100 12.5 10.2 15.4



#49
 Dibromochloromethane
 Concen: 5.456 ug/L
 RT: 8.29 min Scan# 2238
 Delta R.T. 0.00 min
 Lab File: VV013293.D
 Acq: 23 Oct 2019 10:14

Tgt Ion: 129 Resp: 50157
 Ion Ratio Lower Upper
 129 100
 127 79.9 54.7 101.5

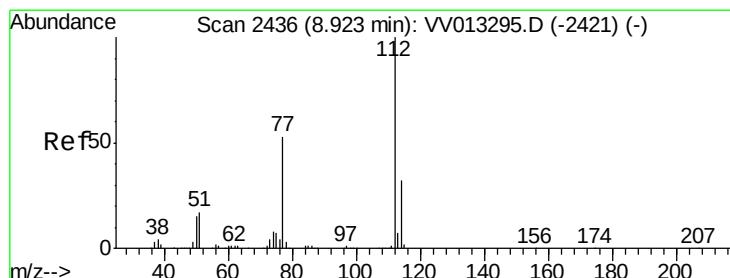
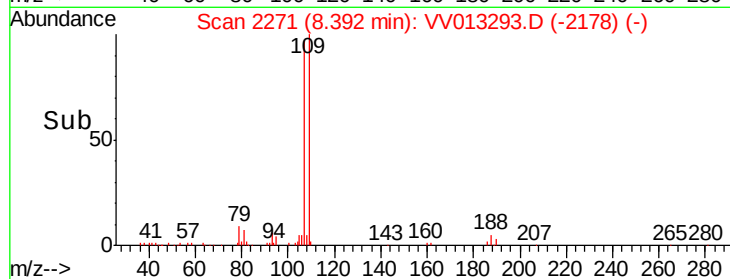
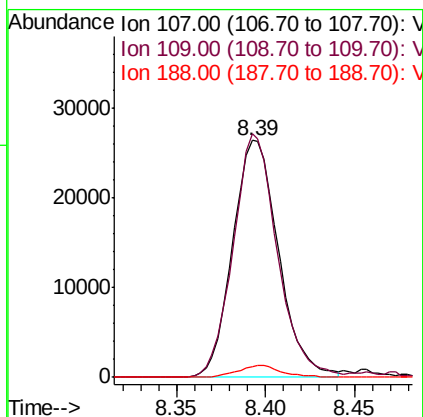
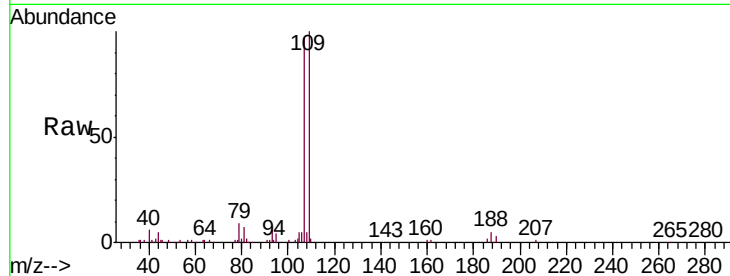




#50
 1,2-Dibromoethane
 Concen: 5.405 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV013293.D
 Acq: 23 Oct 2019 10:14

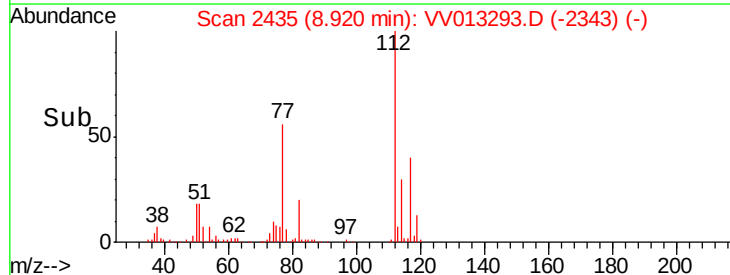
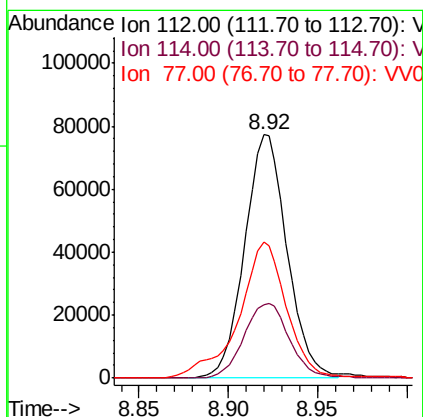
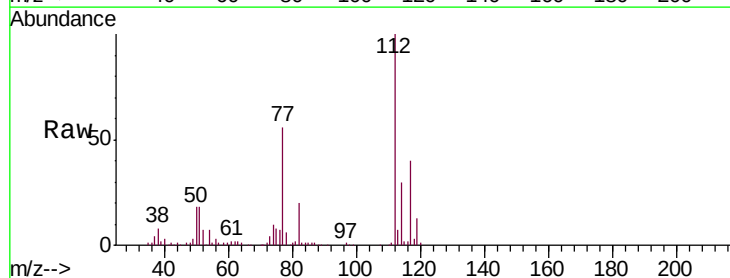
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

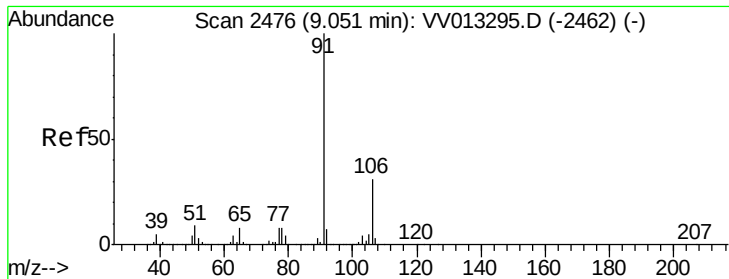
Tgt Ion:107 Resp: 47543
 Ion Ratio Lower Upper
 107 100
 109 102.7 65.4 121.4
 188 4.7 3.4 5.2



#51
 Chlorobenzene
 Concen: 5.559 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: VV013293.D
 Acq: 23 Oct 2019 10:14

Tgt Ion:112 Resp: 128659
 Ion Ratio Lower Upper
 112 100
 114 30.1 22.7 42.3
 77 56.1 42.5 63.7





#52

Ethylbenzene

Concen: 4.842 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

Instrument :

MSVOA_V

ClientSampleId :

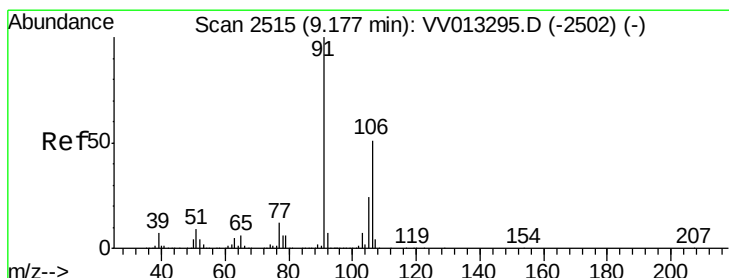
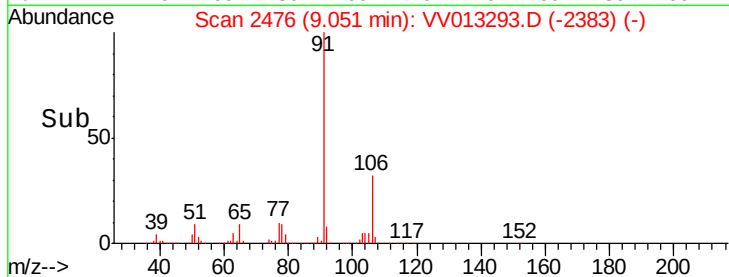
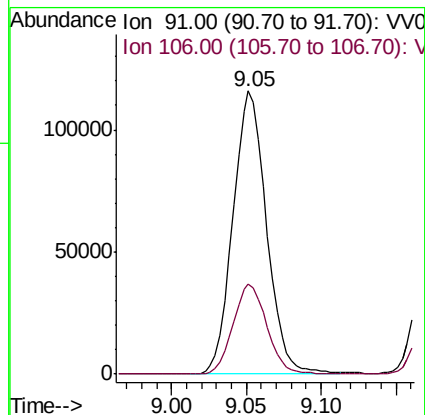
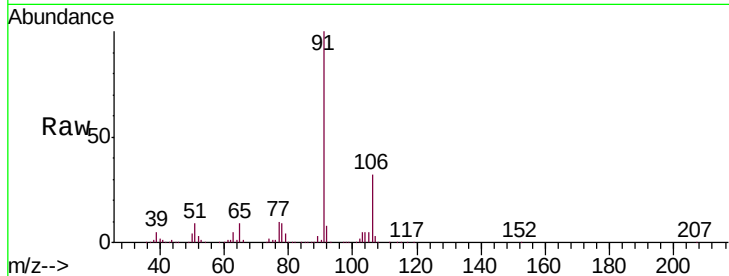
VSTD00565

Tgt Ion: 91 Resp: 181324

Ion Ratio Lower Upper

91 100

106 32.0 22.0 40.8



#53

m,p-Xylene

Concen: 4.759 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013293.D

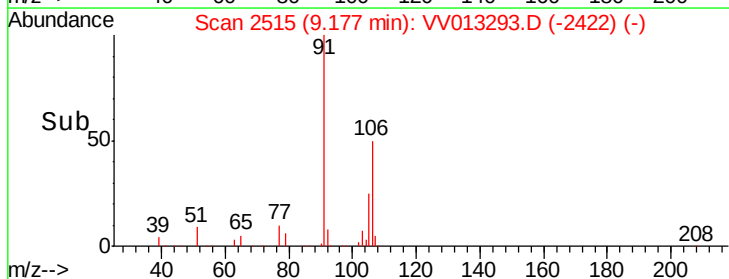
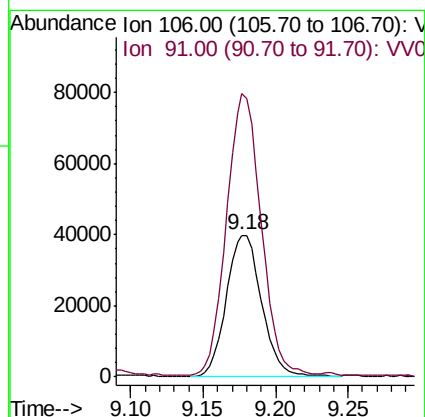
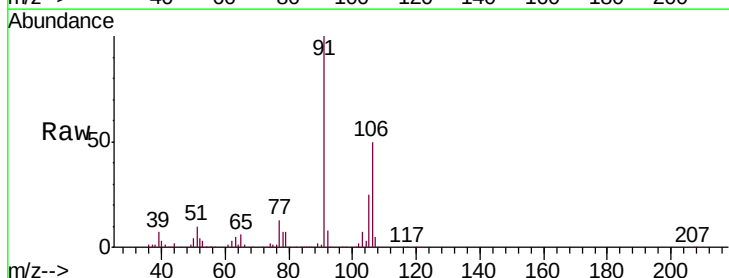
Acq: 23 Oct 2019 10:14

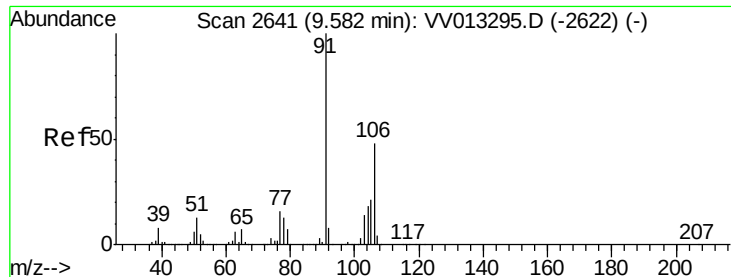
Tgt Ion: 106 Resp: 67444

Ion Ratio Lower Upper

106 100

91 199.7 137.7 255.7





#54

o-xylene

Concen: 4.568 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

Instrument :

MSVOA_V

ClientSampleId :

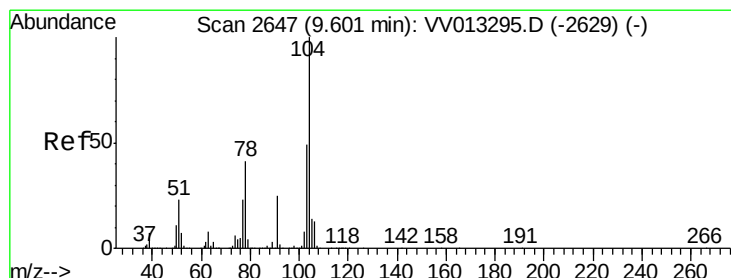
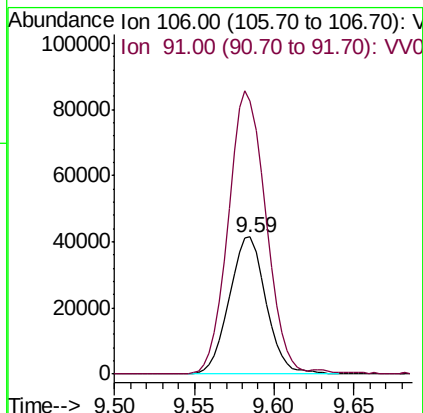
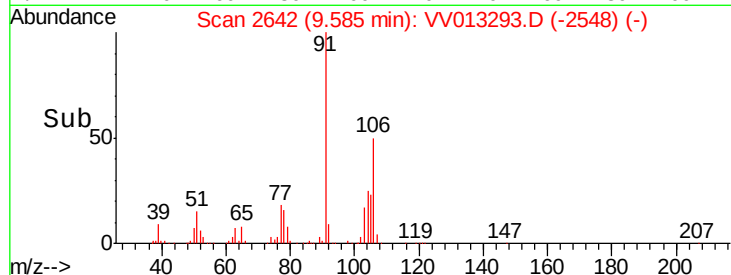
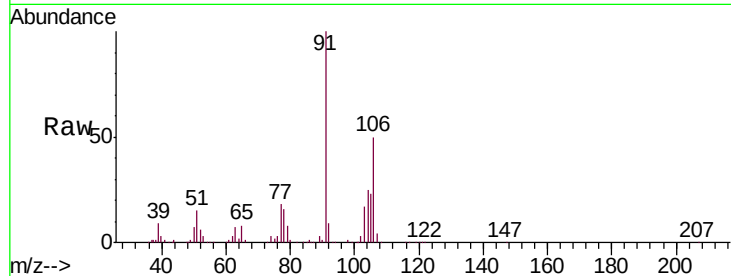
VSTD00565

Tgt Ion:106 Resp: 64478

Ion Ratio Lower Upper

106 100

91 199.4 146.2 271.6



#55

Styrene

Concen: 4.513 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013293.D

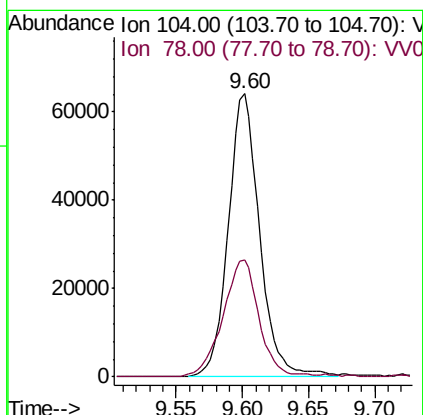
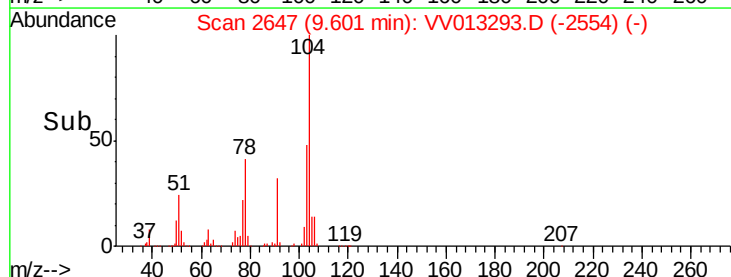
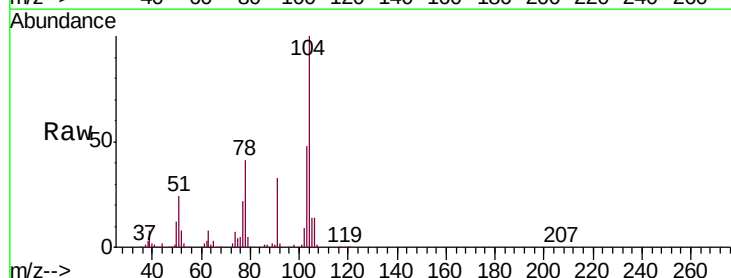
Acq: 23 Oct 2019 10:14

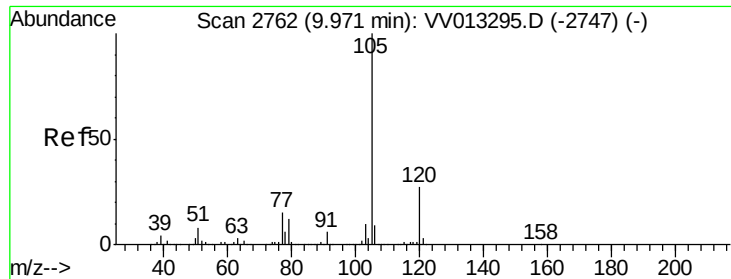
Tgt Ion:104 Resp: 105529

Ion Ratio Lower Upper

104 100

78 41.5 28.9 53.7





#56

Isopropylbenzene

Concen: 4.585 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

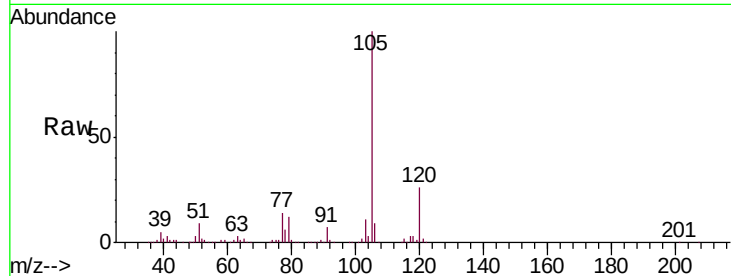
Tgt Ion:105 Resp: 166287

Ion Ratio Lower Upper

105 100

120 25.8 21.7 32.5

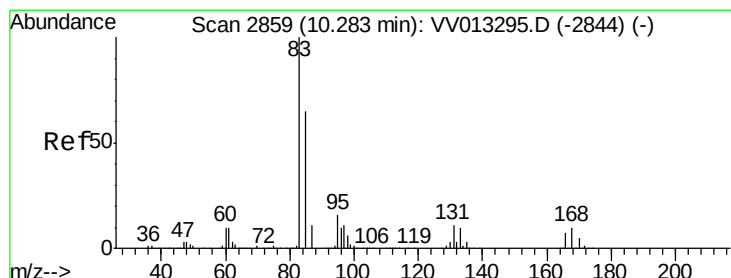
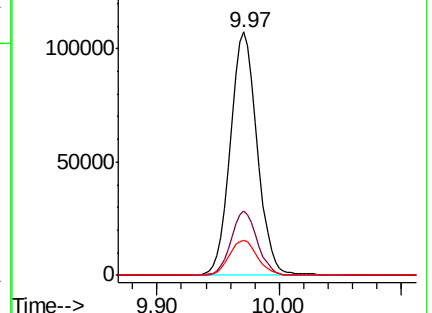
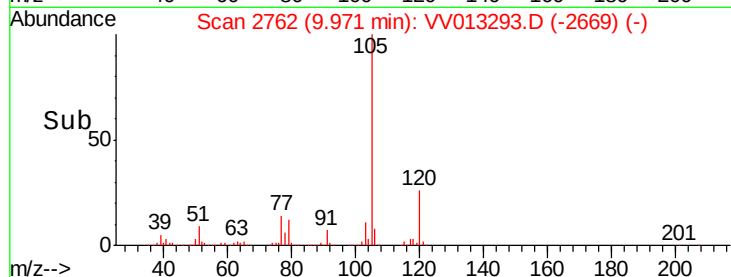
77 14.8 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.737 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

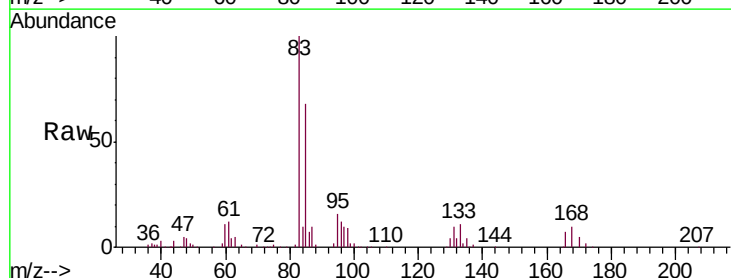
Tgt Ion: 83 Resp: 70466

Ion Ratio Lower Upper

83 100

85 68.0 45.3 84.1

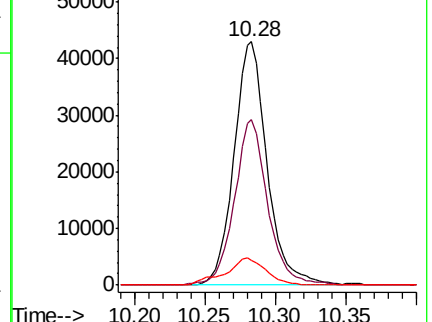
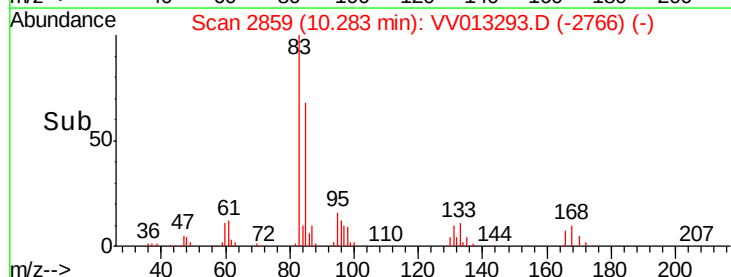
131 10.4 8.6 13.0

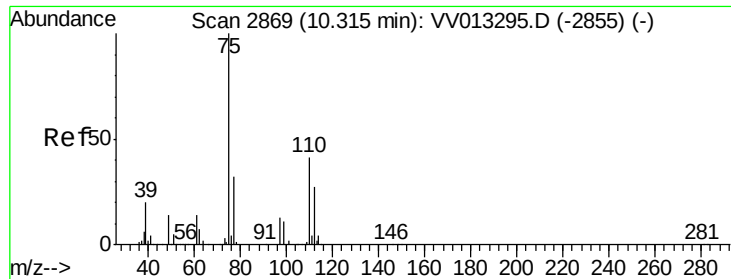


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.561 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

Instrument :

MSVOA_V

ClientSampleId :

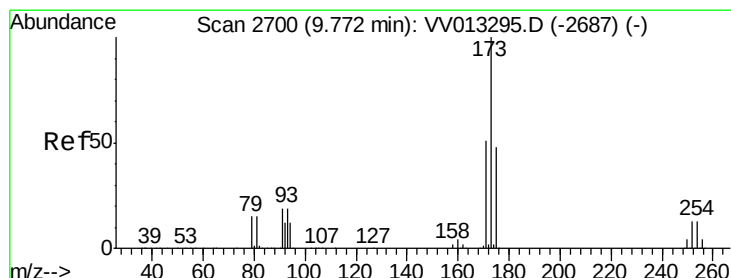
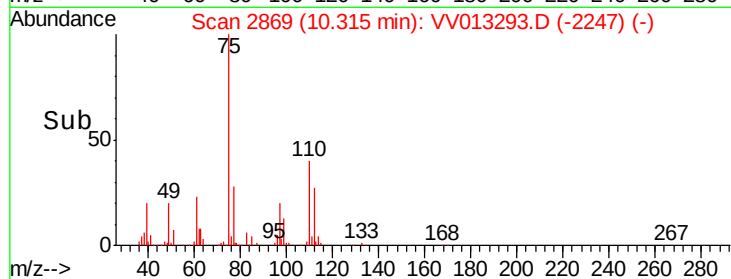
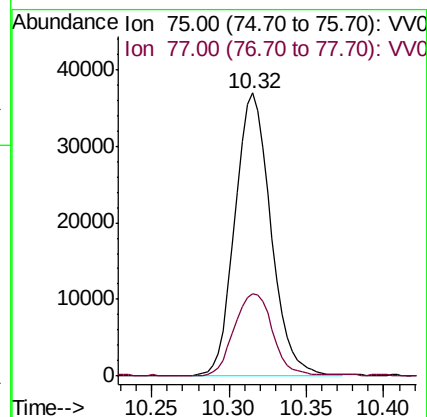
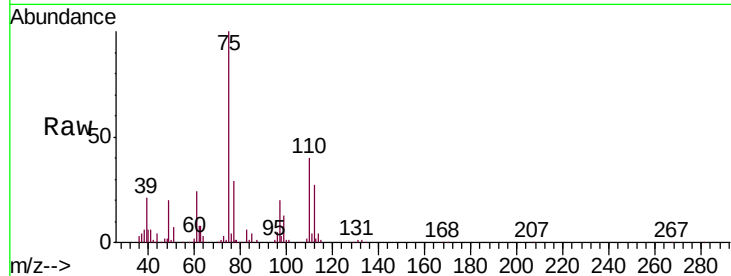
VSTD00565

Tgt Ion: 75 Resp: 59486

Ion Ratio Lower Upper

75 100

77 30.3 25.7 38.5



#61

Bromoform

Concen: 5.774 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

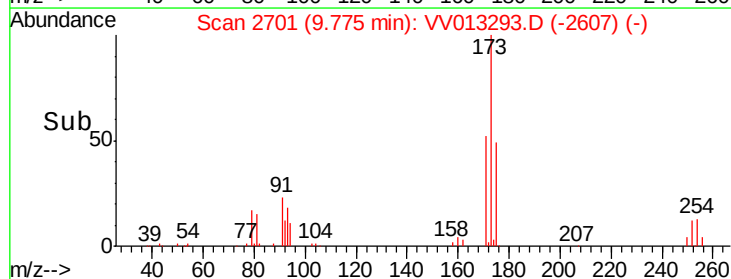
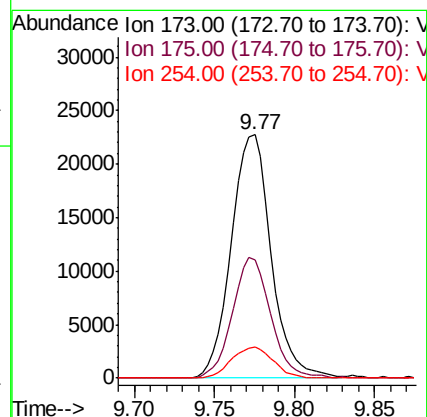
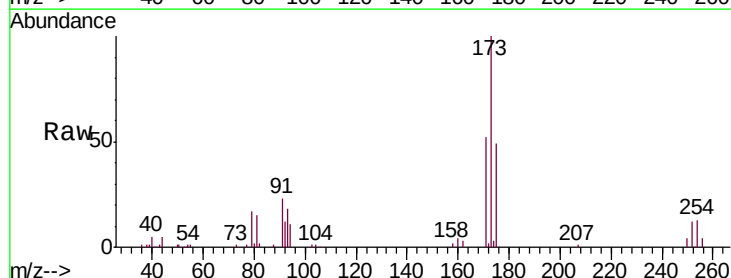
Tgt Ion: 173 Resp: 38633

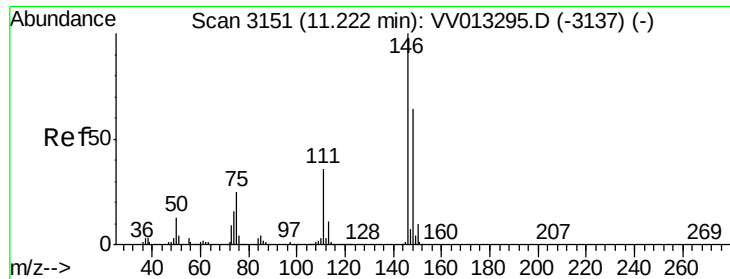
Ion Ratio Lower Upper

173 100

175 47.2 39.1 58.7

254 13.1 10.2 15.4





#62

1,3-Dichlorobenzene

Concen: 5.536 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

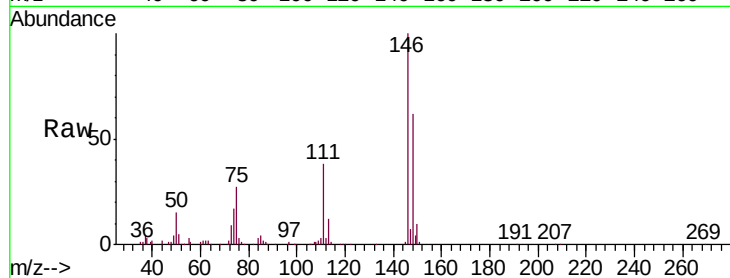
Tgt Ion:146 Resp: 95260

Ion Ratio Lower Upper

146 100

111 37.6 25.4 47.2

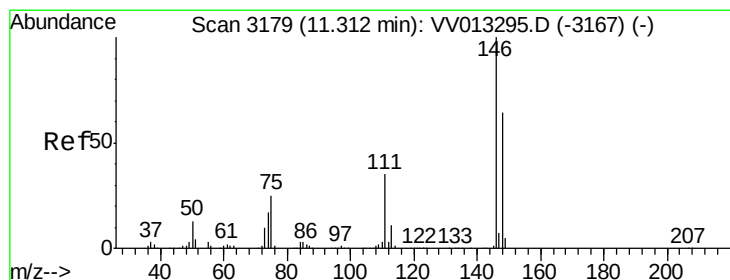
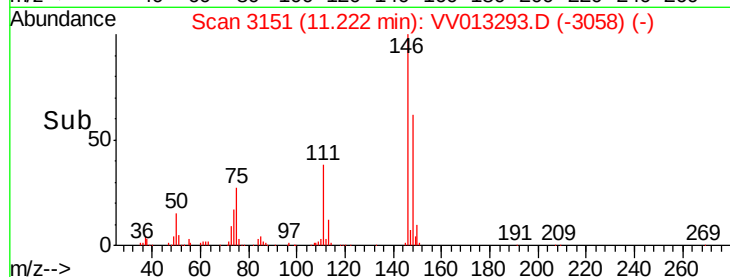
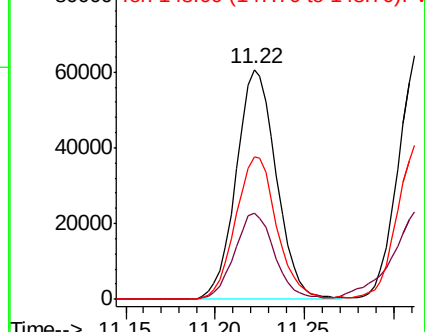
148 62.1 44.8 83.2



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: 5.967 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

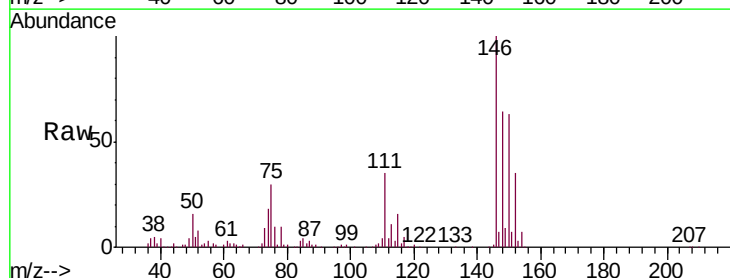
Tgt Ion:146 Resp: 103316

Ion Ratio Lower Upper

146 100

111 35.3 24.5 45.5

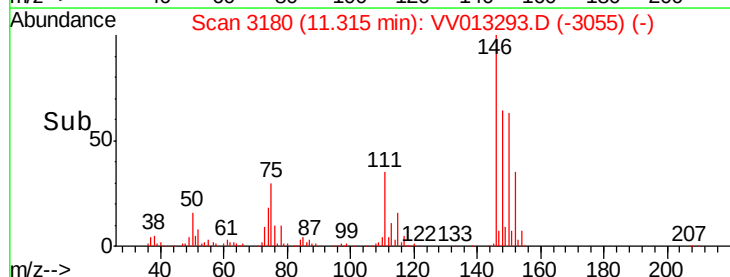
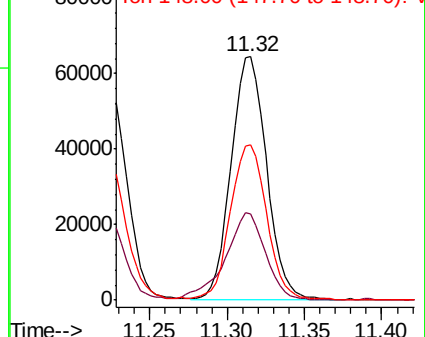
148 64.0 45.0 83.6

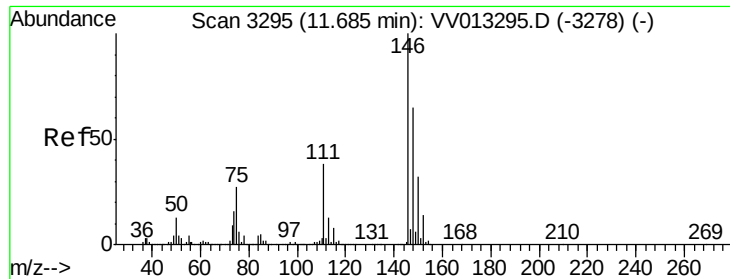


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

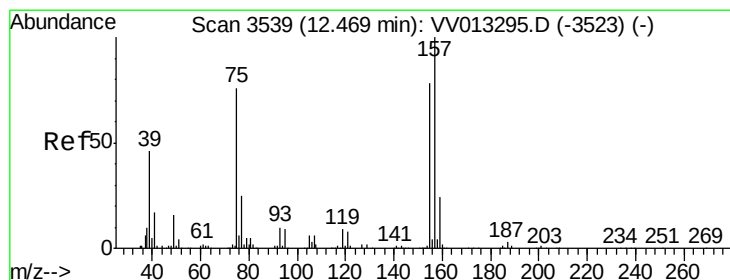
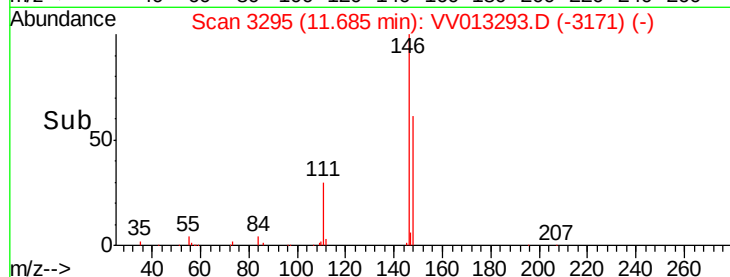
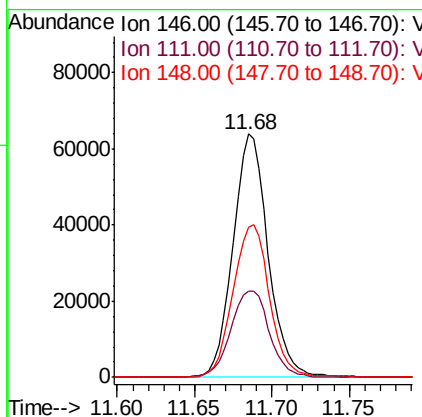
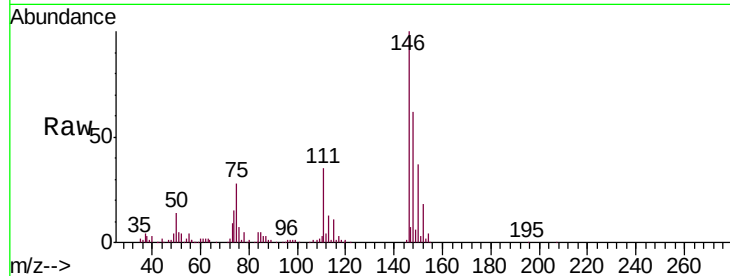




#65
 1,2-Dichlorobenzene
 Concen: 5.733 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013293.D
 Acq: 23 Oct 2019 10:14

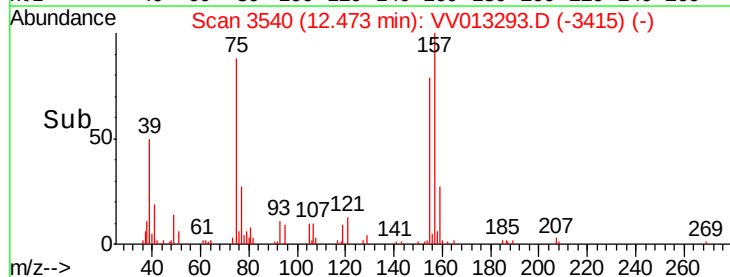
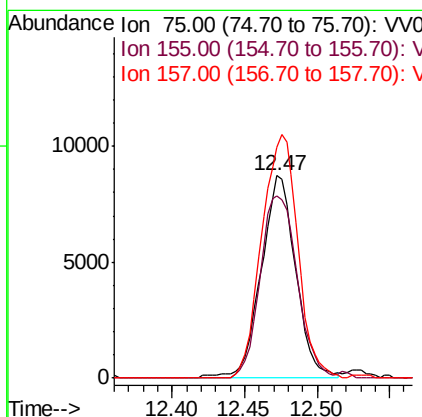
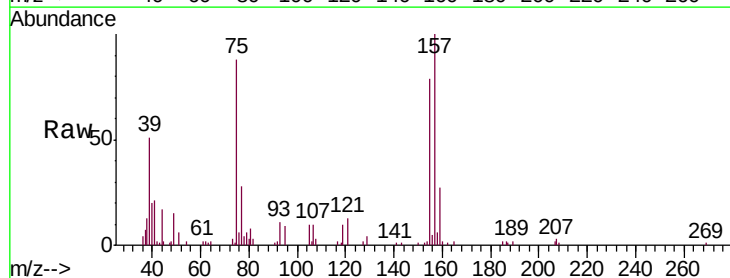
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

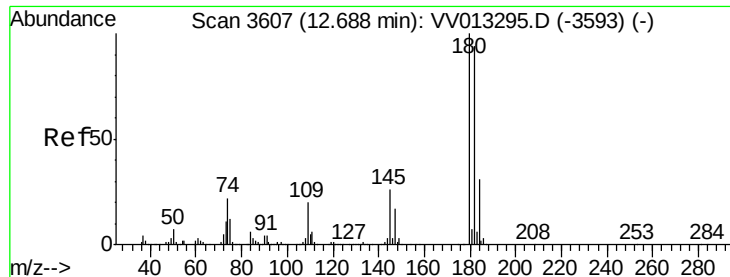
Tgt Ion: 146 Resp: 100371
 Ion Ratio Lower Upper
 146 100
 111 35.5 30.7 46.1
 148 61.9 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.775 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013293.D
 Acq: 23 Oct 2019 10:14

Tgt Ion: 75 Resp: 14511
 Ion Ratio Lower Upper
 75 100
 155 89.9 81.8 122.8
 157 114.0 105.4 158.2

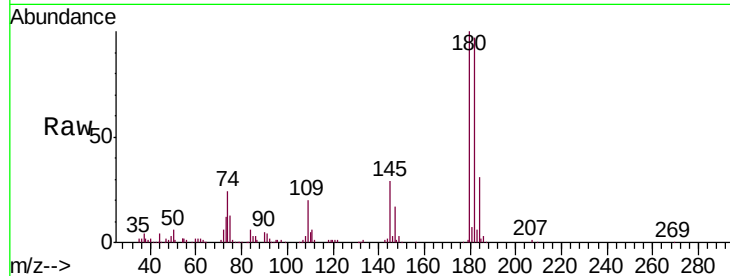




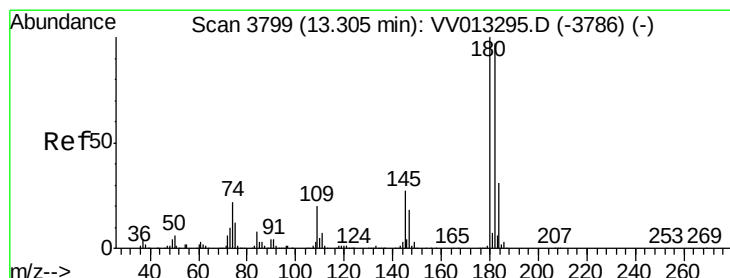
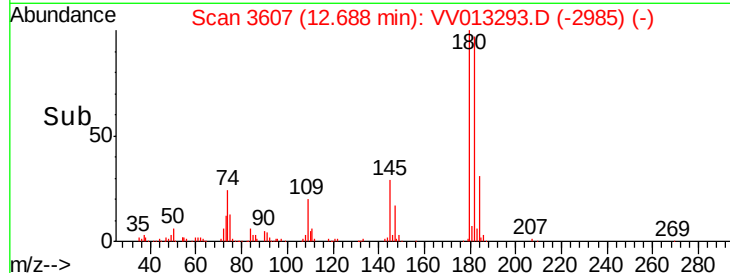
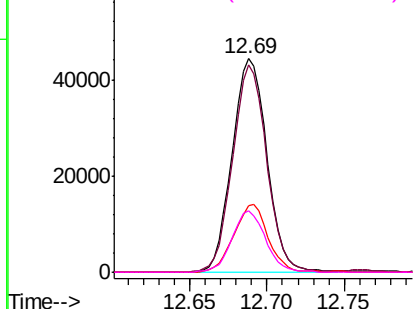
#67
 1,3,5-Trichlorobenzene
 Concen: 5.610 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013293.D
 Acq: 23 Oct 2019 10:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Tgt Ion:	180	Resp:	69389
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.3	114.5
184	31.0	24.8	37.2
145	27.4	21.2	31.8

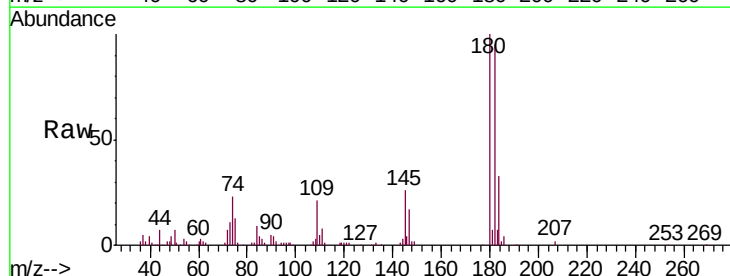


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

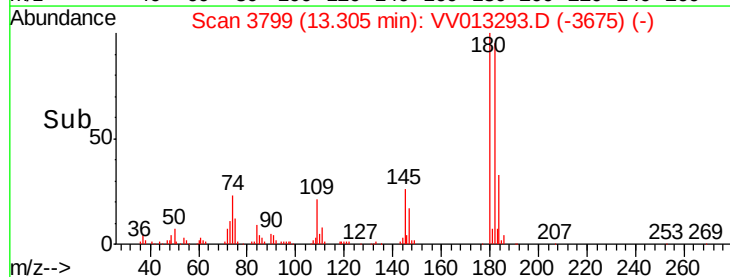
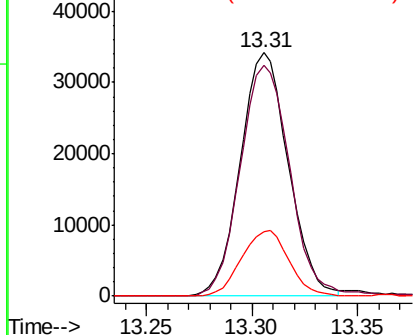


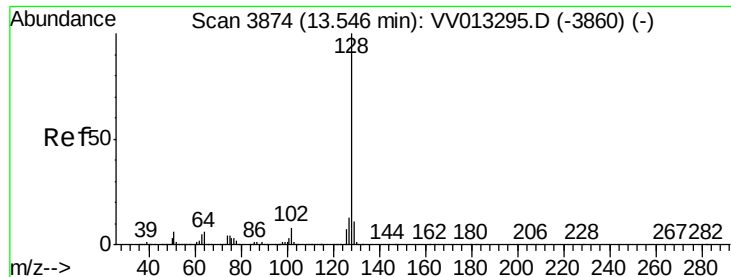
#68
 1,2,4-trichlorobenzene
 Concen: 5.112 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013293.D
 Acq: 23 Oct 2019 10:14

Tgt Ion:	180	Resp:	54081
Ion	Ratio	Lower	Upper
180	100		
182	98.5	77.3	115.9
145	26.5	21.7	32.5



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





#69

Naphthalene

Concen: 4.452 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

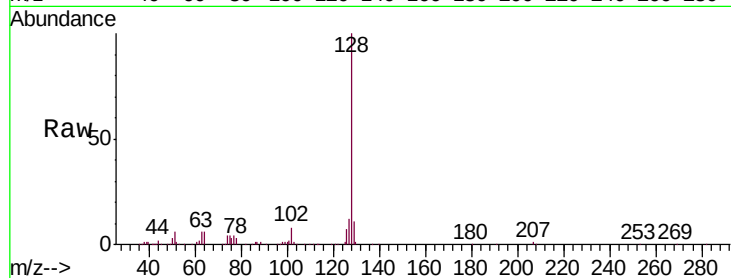
Tgt Ion:128 Resp: 129511

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

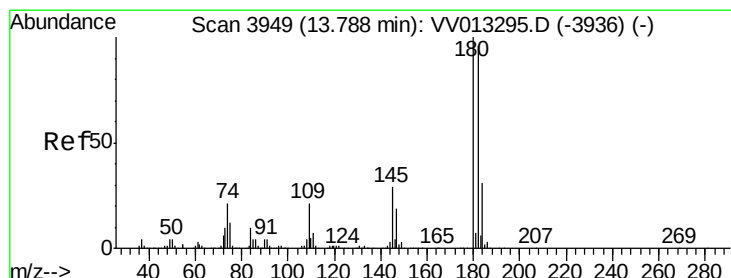
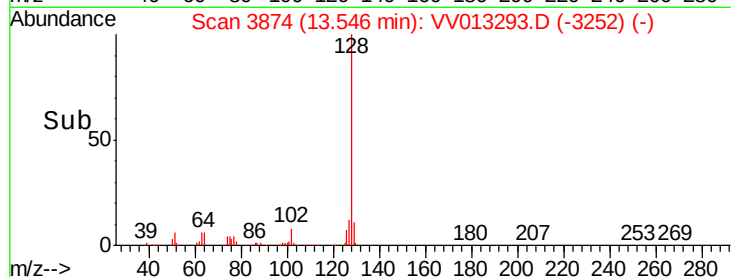
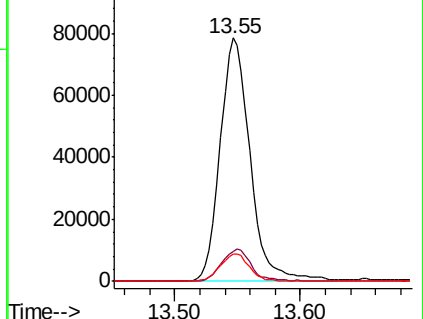
129 11.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.244 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013293.D

Acq: 23 Oct 2019 10:14

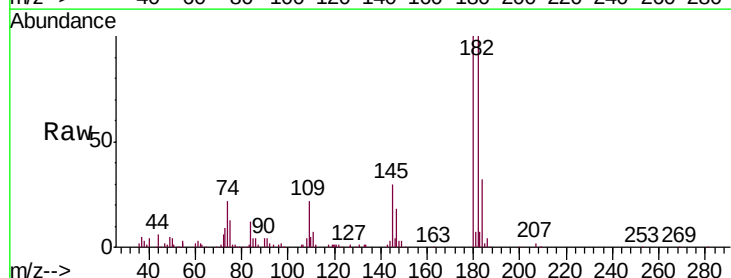
Tgt Ion:180 Resp: 59408

Ion Ratio Lower Upper

180 100

182 96.4 77.0 115.6

145 28.5 23.4 35.2



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

