

Data File : VY000649.D
Acq On : 12 Nov 2019 11:52
Operator : SY/MD
Sample : VSTD2.578
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

Quant Time: Nov 13 01:30:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 01:25:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	354914	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	323156	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	152795	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	12562	2.51	ug/L	0.00
7) Chloroethane-d5	2.76	69	11640	2.61	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	24821	2.68	ug/L	0.00
20) 2-Butanone-d5	6.91	46	13088	6.33	ug/L	0.00
24) Chloroform-d	7.49	84	25737	2.76	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.16	65	15606	2.89	ug/L	0.00
29) Benzene-d6	8.12	84	51486	2.74	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	16347	2.78	ug/L	0.00
37) Toluene-d8	10.18	98	48494	2.77	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	7044	2.57	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	9155	5.76	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	15947	2.79	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	17816	2.92	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	12713	2.711 ug/L	98
3) Chloromethane	2.12	50	15736	2.677 ug/L	83
5) Vinyl chloride	2.26	62	15056	2.566 ug/L	91
6) Bromomethane	2.65	94	8822	2.753 ug/L	98
8) Chloroethane	2.80	64	9453	2.569 ug/L	94
9) Trichlorofluoromethane	3.13	101	21614	2.601 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	11521	2.444 ug/L	93
12) 1,1-Dichloroethene	3.87	96	7472	1.624 ug/L	92
13) Acetone	3.96	43	11293	7.370 ug/L	75
14) Carbon disulfide	4.20	76	33676	2.372 ug/L #	95
15) Methyl Acetate	4.49	43	10276	2.964 ug/L #	71
16) Methylene chloride	4.72	84	19626	3.350 ug/L	88
17) Methyl tert-butyl Ether	5.23	73	37232	2.659 ug/L #	80
18) trans-1,2-Dichloroethene	5.22	96	12679	2.467 ug/L	95
19) 1,1-Dichloroethane	6.03	63	22719	2.512 ug/L	91
21) 2-Butanone	7.00	43	17819	6.684 ug/L	94
22) cis-1,2-Dichloroethene	7.00	96	14878	2.618 ug/L	96
23) Bromochloromethane	7.35	128	6522	2.628 ug/L	98
25) Chloroform	7.52	83	27333	2.804 ug/L	99
27) 1,2-Dichloroethane	8.25	62	17578	2.698 ug/L	98
30) Cyclohexane	7.79	56	22237	2.522 ug/L	99
31) 1,1,1-Trichloroethane	7.72	97	20694	2.599 ug/L	95
32) Carbon tetrachloride	7.91	117	16983	2.447 ug/L	100
34) Benzene	8.17	78	54902	2.599 ug/L	100
35) Trichloroethene	8.94	95	14639	2.643 ug/L	99
36) Methylcyclohexane	9.19	83	23364	2.464 ug/L	98
40) 1,2-Dichloropropane	9.22	63	13987	2.612 ug/L	98
41) Bromodichloromethane	9.50	83	17282	2.509 ug/L	98
42) cis-1,3-Dichloropropene	9.93	75	21041	2.439 ug/L	96
43) 4-Methyl-2-pentanone	10.08	43	29539	5.769 ug/L	98

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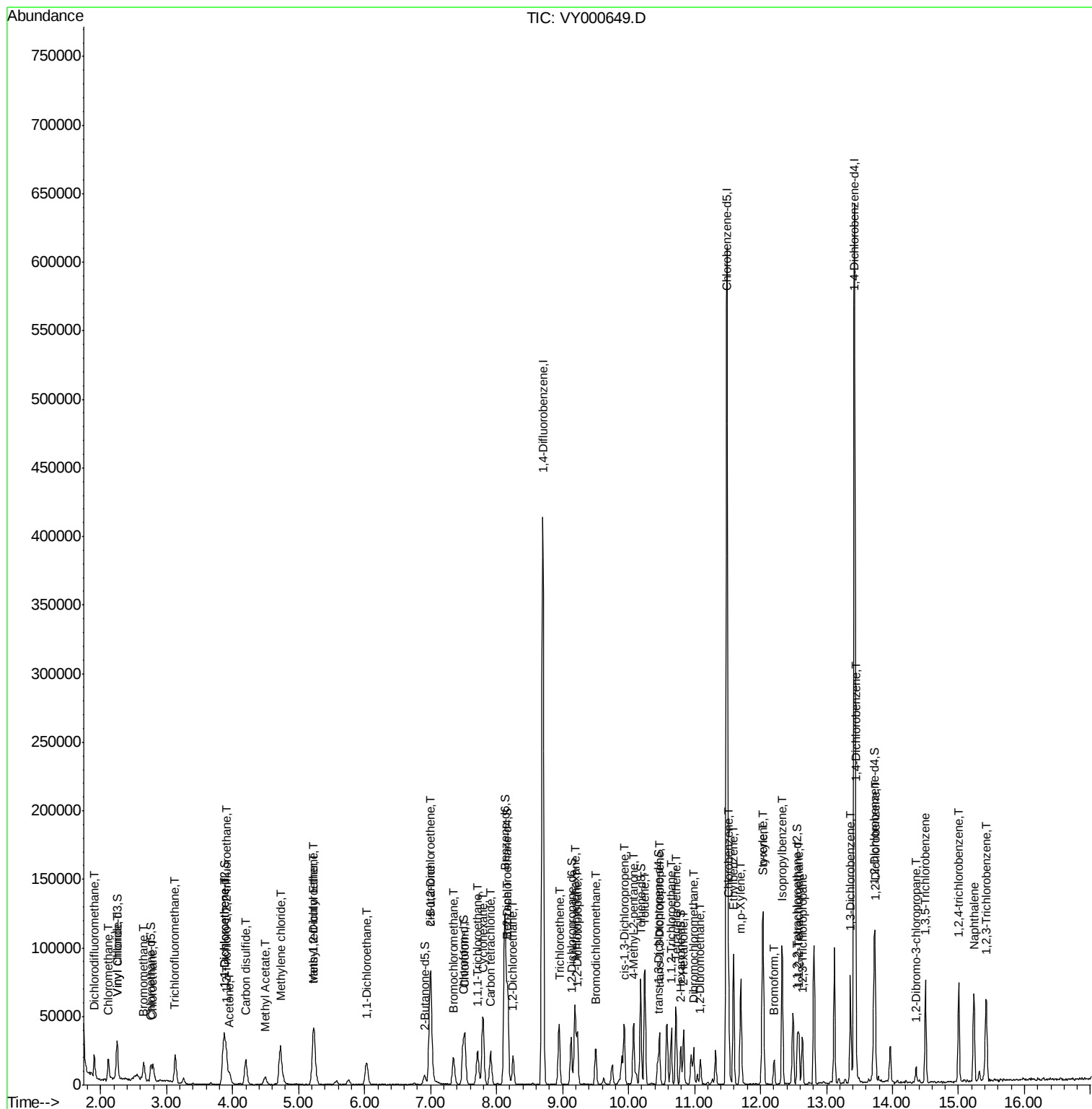
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.25	91	58107	2.544	ug/L	98
45) trans-1,3-Dichloropropene	10.47	75	18511	2.498	ug/L	90
46) 1,1,2-Trichloroethane	10.65	97	11675	2.658	ug/L	88
47) Tetrachloroethene	10.72	164	10263	2.481	ug/L	85
49) 2-Hexanone	10.83	43	24146	6.054	ug/L	98
50) Dibromochloromethane	10.99	129	13207	2.662	ug/L	91
51) 1,2-Dibromoethane	11.09	107	11323	2.649	ug/L	99
52) Chlorobenzene	11.52	112	38031	2.624	ug/L	89
53) Ethylbenzene	11.59	91	64994	2.515	ug/L	93
54) m,p-Xylene	11.70	106	23268	2.380	ug/L	94
55) o-xylene	12.03	106	24465	2.549	ug/L	90
56) Styrene	12.05	104	36618	2.296	ug/L	88
57) Isopropylbenzene	12.33	105	60378	2.418	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	14044	2.563	ug/L #	95
59) 1,2,3-Trichloropropane	12.63	75	12342	2.770	ug/L	97
62) Bromoform	12.20	173	6932	2.389	ug/L #	96
63) 1,3-Dichlorobenzene	13.36	146	29966	2.750	ug/L	94
64) 1,4-Dichlorobenzene	13.45	146	29146	2.675	ug/L	92
65) 1,2-Dichlorobenzene	13.74	146	27741	2.748	ug/L	92
66) 1,2-Dibromo-3-chloropropan	14.36	75	2723	2.839	ug/L	91
67) 1,3,5-Trichlorobenzene	14.50	180	20946	2.757	ug/L	97
68) 1,2,4-trichlorobenzene	15.00	180	20078	2.957	ug/L	95
69) Naphthalene	15.23	128	51622	3.051	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	19037	3.015	ug/L	94

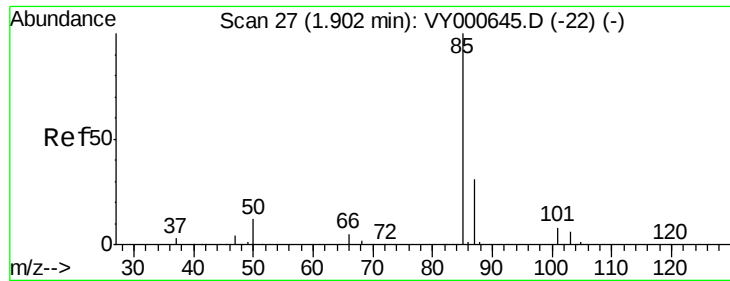
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.711 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

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Acq: 12 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

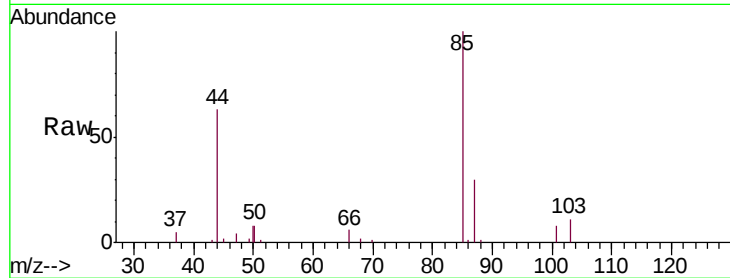
VSTD2.578

Tgt Ion: 85 Resp: 12713

Ion Ratio Lower Upper

85 100

87 31.3 22.7 42.1



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

1.90

8000

6000

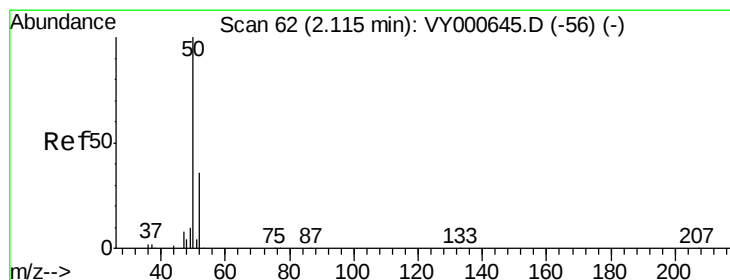
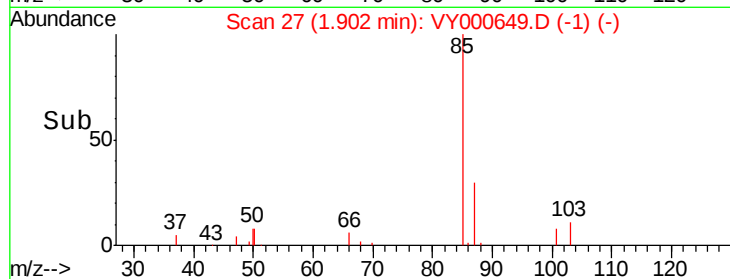
4000

2000

0

1.85 1.90 1.95

Time-->



#3

Chloromethane

Concen: 2.677 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000649.D

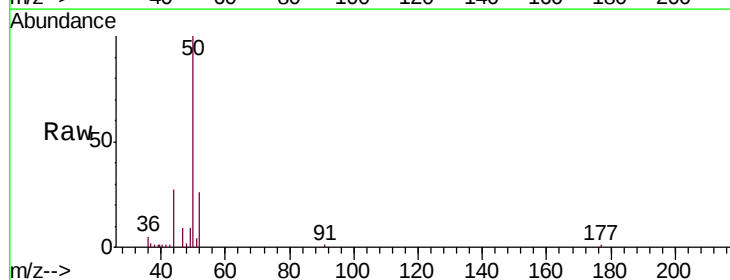
Acq: 12 Nov 2019 11:52

Tgt Ion: 50 Resp: 15736

Ion Ratio Lower Upper

50 100

52 25.8 24.9 46.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

2.12

10000

8000

6000

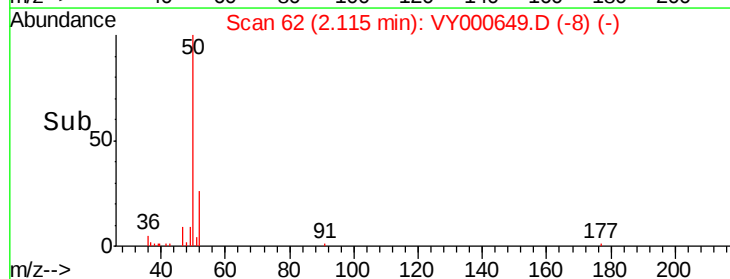
4000

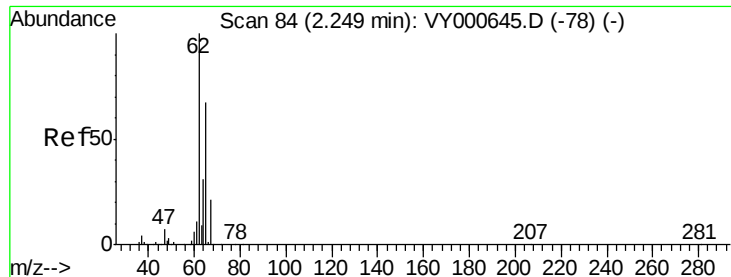
2000

0

2.05 2.10 2.15 2.20

Time-->





#5

Vinyl chloride

Concen: 2.566 ug/L

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000649.D

Acq: 12 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

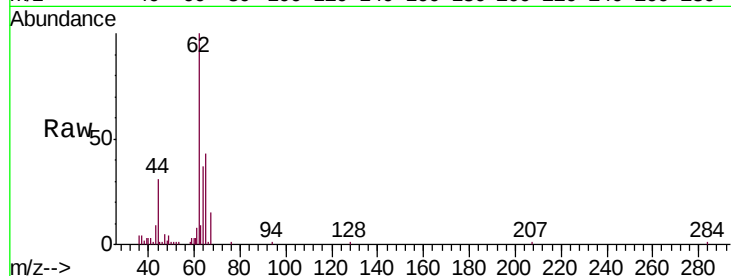
VSTD2.578

Tgt Ion: 62 Resp: 15056

Ion Ratio Lower Upper

62 100

64 36.6 22.0 40.8



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0

10000

8000

6000

4000

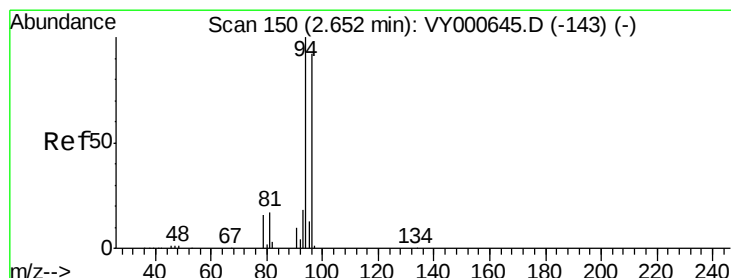
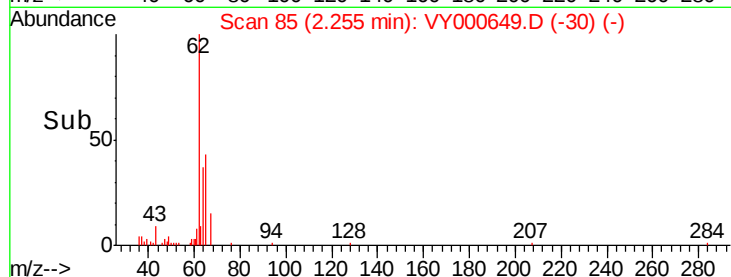
2000

0

2.26

2.20 2.25 2.30

Time-->



#6

Bromomethane

Concen: 2.753 ug/L

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY000649.D

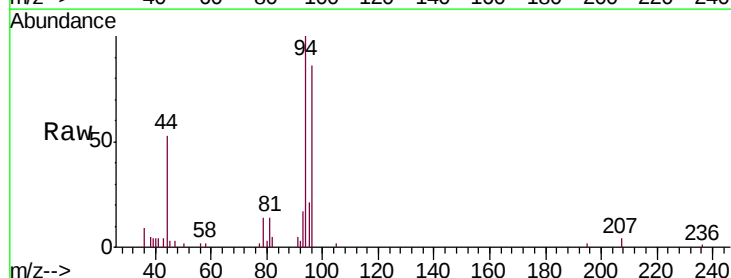
Acq: 12 Nov 2019 11:52

Tgt Ion: 94 Resp: 8822

Ion Ratio Lower Upper

94 100

96 95.4 9.8 185.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

5000

4000

3000

2000

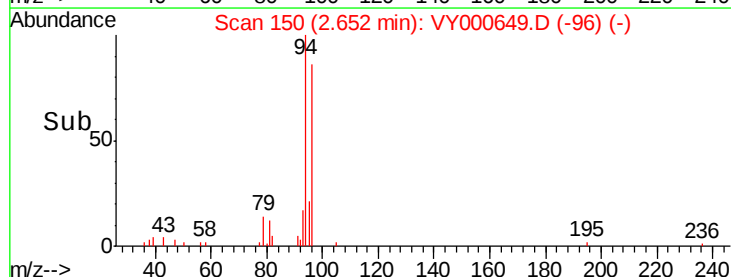
1000

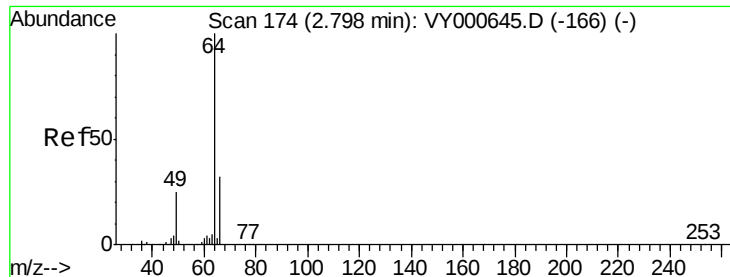
0

2.65

2.60 2.65 2.70

Time-->





#8

Chloroethane

Concen: 2.569 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY000649.D

Acq: 12 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

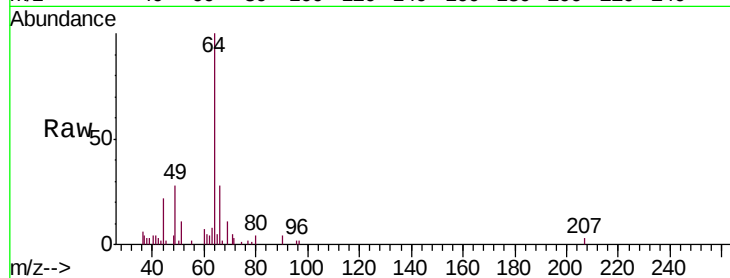
VSTD2.578

Tgt Ion: 64 Resp: 9453

Ion Ratio Lower Upper

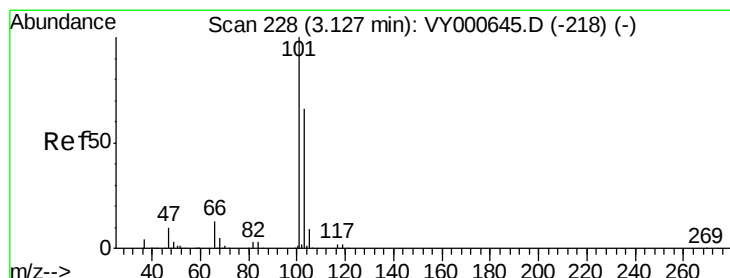
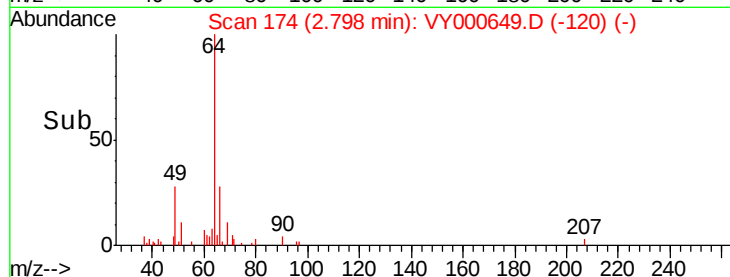
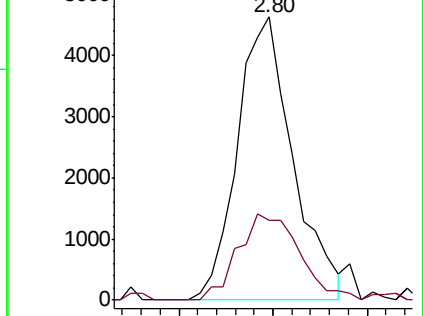
64 100

66 28.3 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0



#9

Trichlorofluoromethane

Concen: 2.601 ug/L

RT: 3.13 min Scan# 228

Delta R.T. 0.00 min

Lab File: VY000649.D

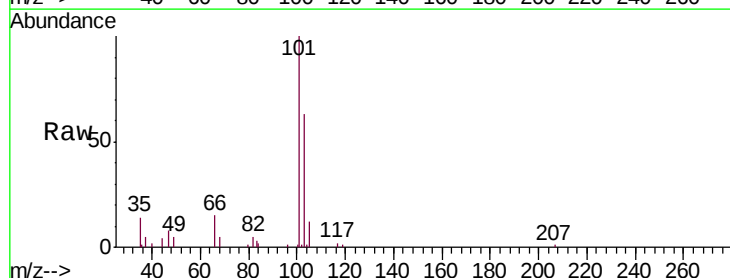
Acq: 12 Nov 2019 11:52

Tgt Ion: 101 Resp: 21614

Ion Ratio Lower Upper

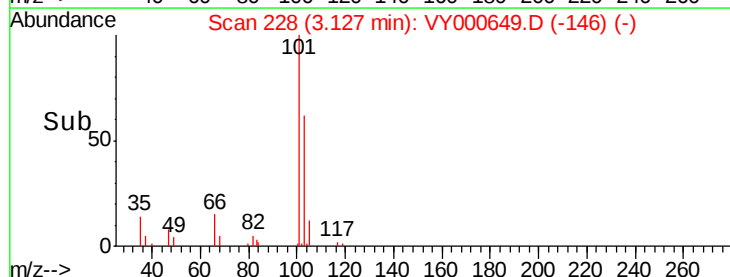
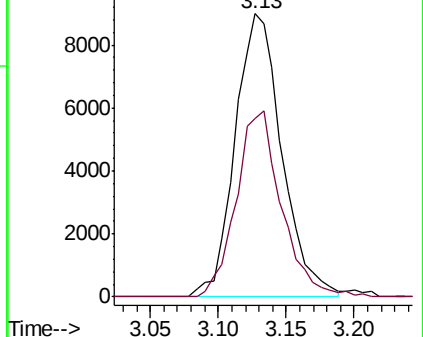
101 100

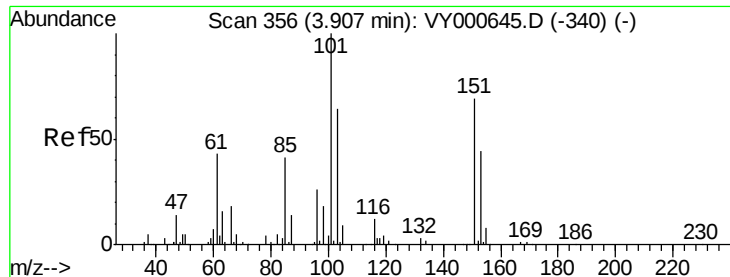
103 62.9 45.8 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 2.444 ug/L

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY000649.D

Acq: 12 Nov 2019 11:52

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ClientSampleId :

VSTD2.578

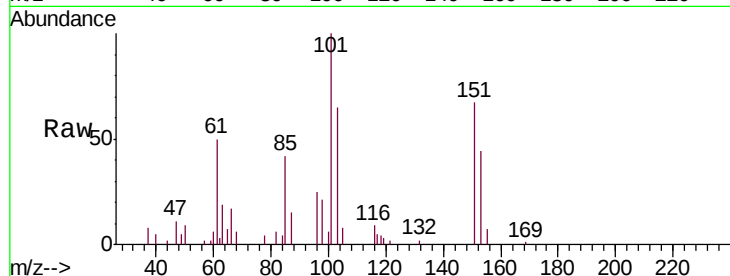
Tgt Ion: 101 Resp: 11521

Ion Ratio Lower Upper

101 100

85 35.3 35.3 52.9

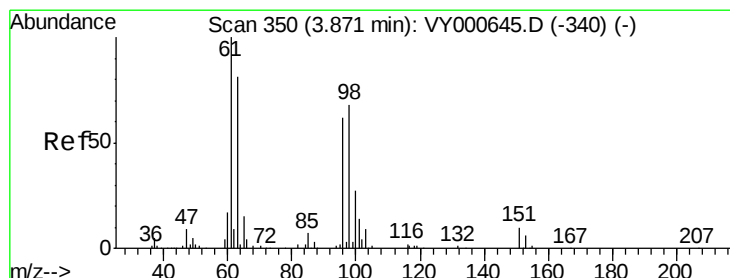
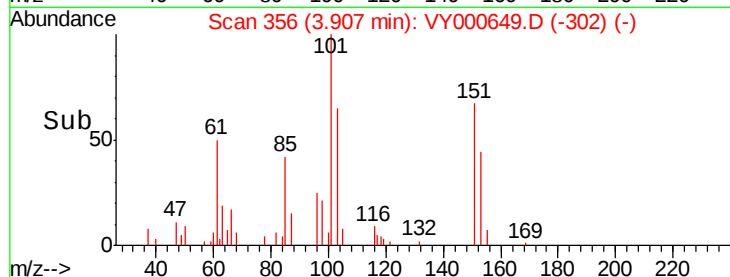
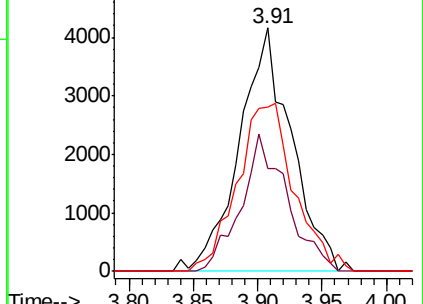
151 75.1 61.9 92.9



Abundance Ion 101.00 (100.70 to 101.70): VY000649.D (-302) (-)

Ion 85.00 (84.70 to 85.70): VY000649.D (-302) (-)

Ion 151.00 (150.70 to 151.70): VY000649.D (-302) (-)



#12

1,1-Dichloroethene

Concen: 1.624 ug/L

RT: 3.87 min Scan# 350

Delta R.T. 0.00 min

Lab File: VY000649.D

Acq: 12 Nov 2019 11:52

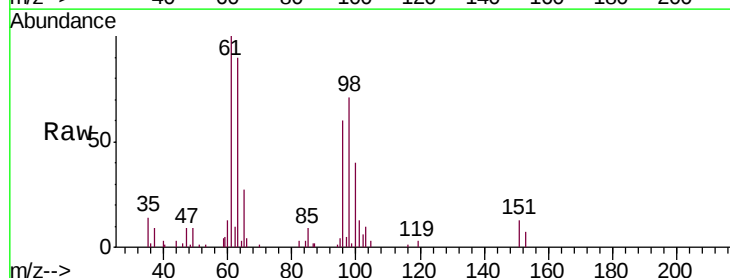
Tgt Ion: 96 Resp: 7472

Ion Ratio Lower Upper

96 100

61 167.5 113.5 210.9

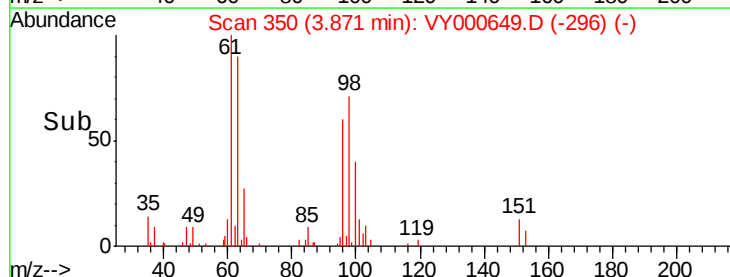
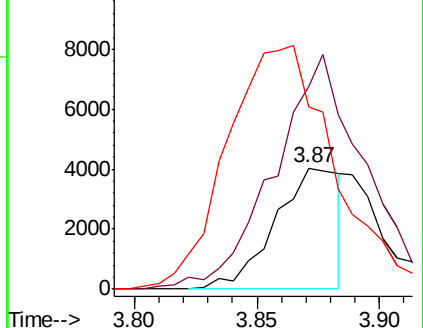
63 150.4 94.3 175.1

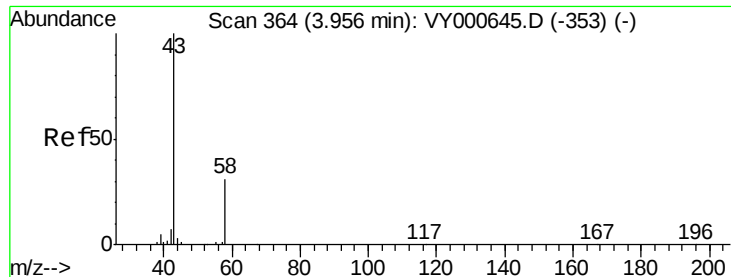


Abundance Ion 96.00 (95.70 to 96.70): VY000649.D (-296) (-)

Ion 61.00 (60.70 to 61.70): VY000649.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VY000649.D (-296) (-)





#13

Acetone

Concen: 7.370 ug/L

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

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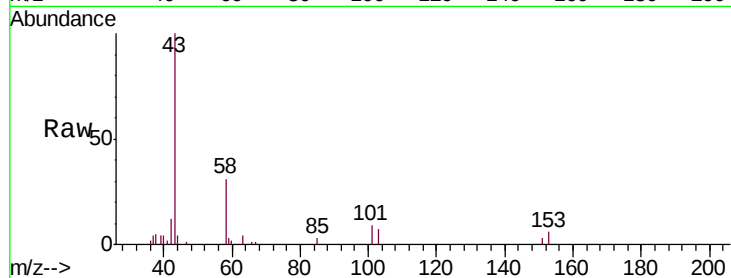
VSTD2.578

Tgt Ion: 43 Resp: 11293

Ion Ratio Lower Upper

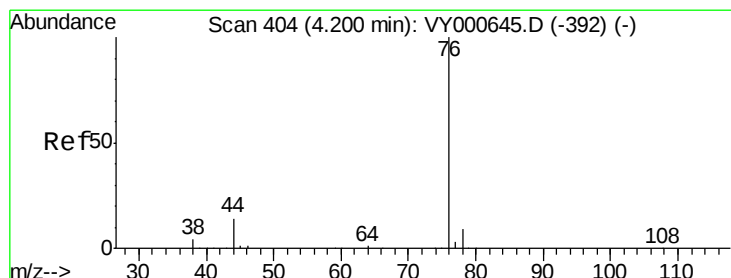
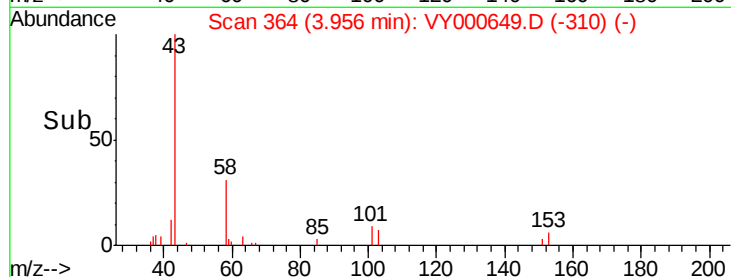
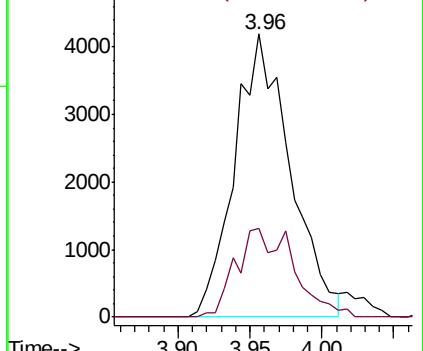
43 100

58 18.2 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 2.372 ug/L

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY000649.D

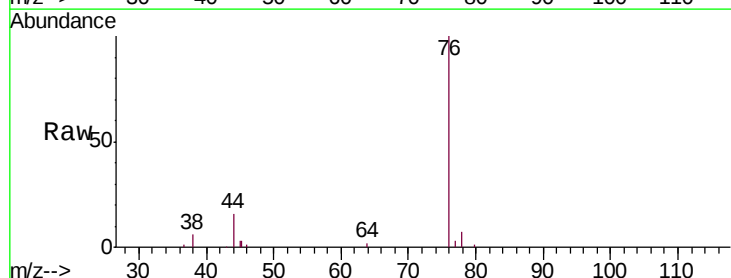
Acq: 12 Nov 2019 11:52

Tgt Ion: 76 Resp: 33676

Ion Ratio Lower Upper

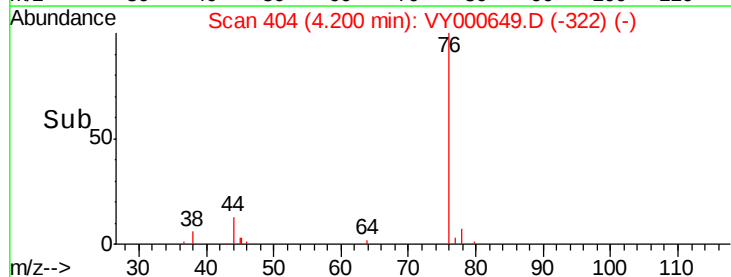
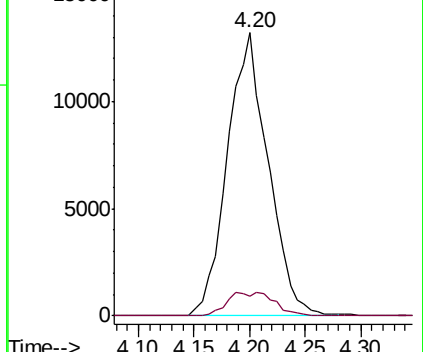
76 100

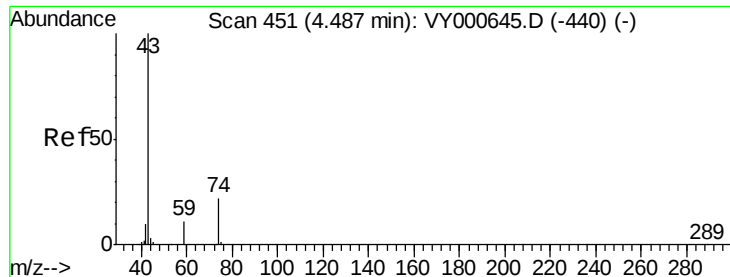
78 7.0 7.0 10.6#



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0





#15

Methyl Acetate

Concen: 2.964 ug/L

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

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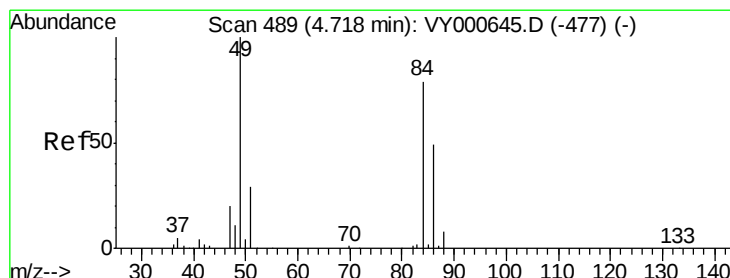
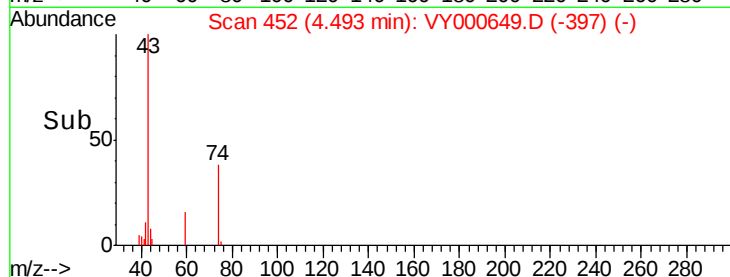
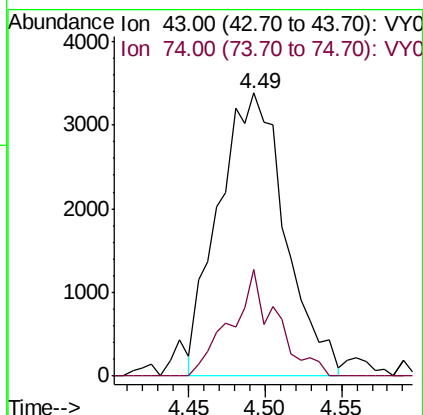
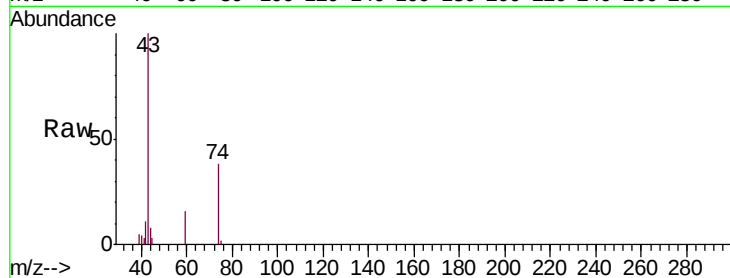
VSTD2.578

Tgt Ion: 43 Resp: 10276

Ion Ratio Lower Upper

43 100

74 8.5 18.1 27.1#



#16

Methylene chloride

Concen: 3.350 ug/L

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000649.D

Acq: 12 Nov 2019 11:52

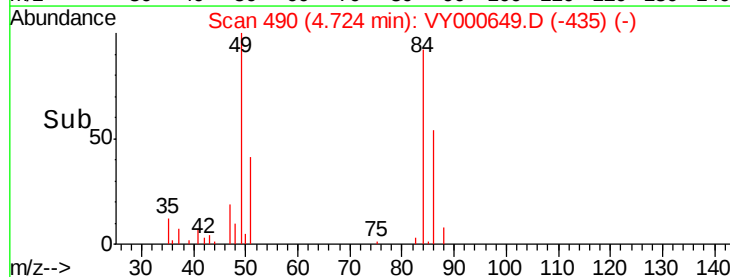
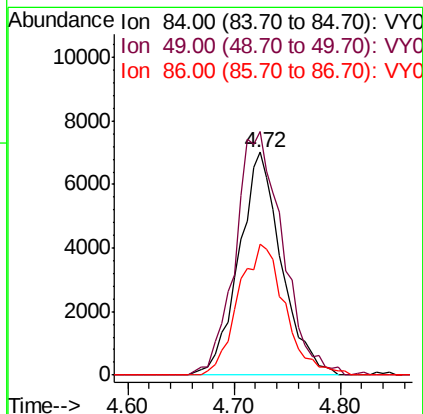
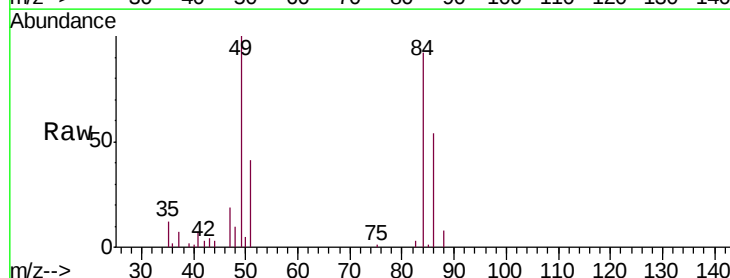
Tgt Ion: 84 Resp: 19626

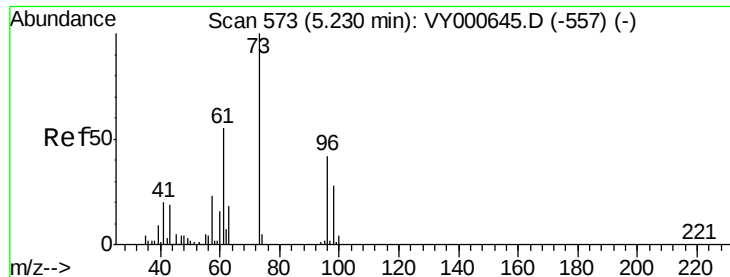
Ion Ratio Lower Upper

84 100

49 109.3 88.8 165.0

86 58.6 43.9 81.5

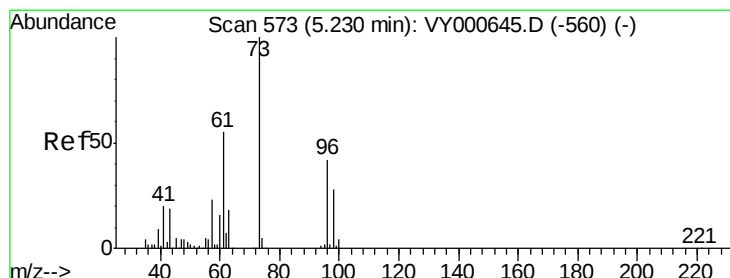
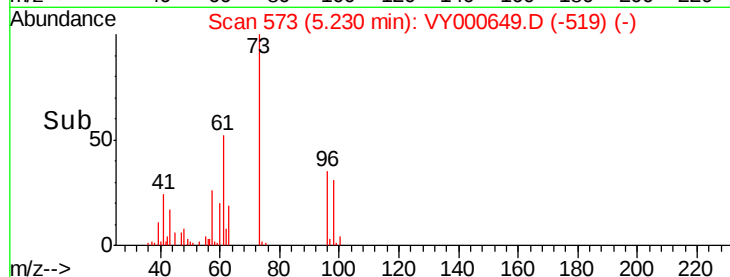
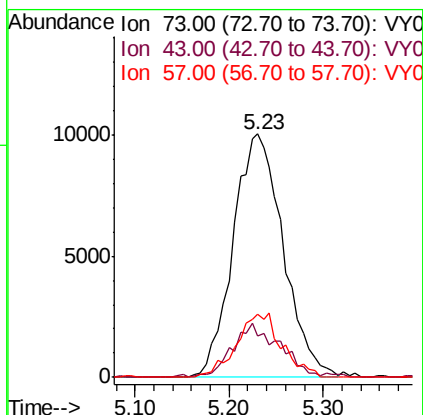
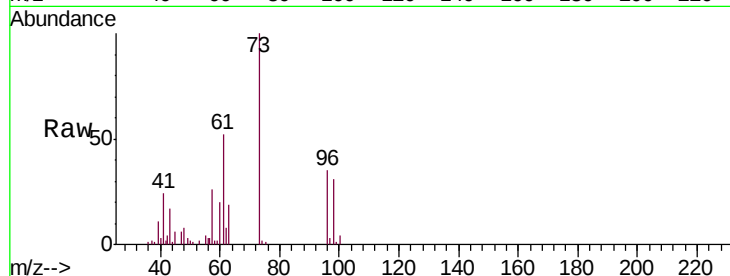




#17
Methyl tert-butyl Ether
Concen: 2.659 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY000649.D
Acq: 12 Nov 2019 11:52

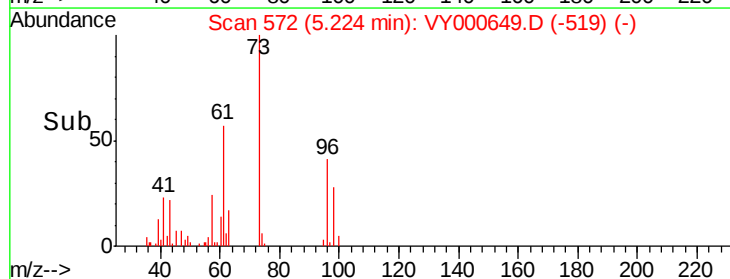
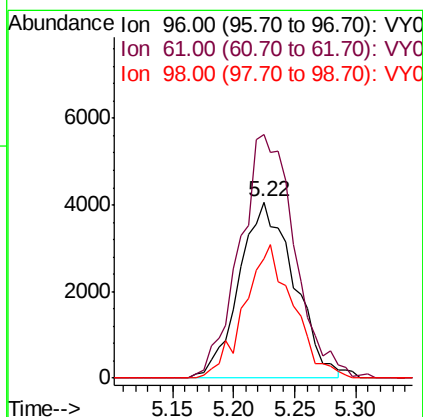
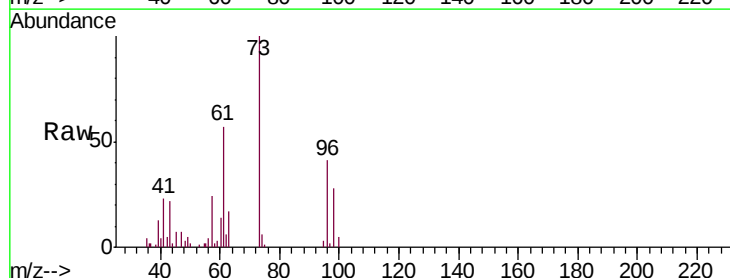
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

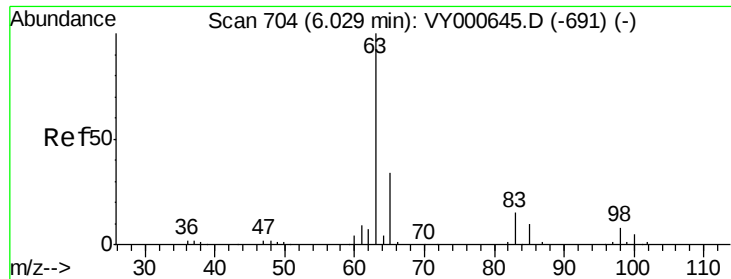
Tgt Ion: 73 Resp: 37232
Ion Ratio Lower Upper
73 100
43 14.1 15.4 23.0#
57 8.9 17.5 26.3#



#18
trans-1,2-Dichloroethene
Concen: 2.467 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000649.D
Acq: 12 Nov 2019 11:52

Tgt Ion: 96 Resp: 12679
Ion Ratio Lower Upper
96 100
61 138.2 91.8 170.4
98 67.9 46.3 85.9

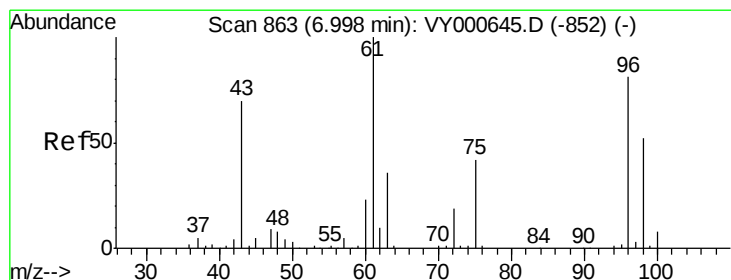
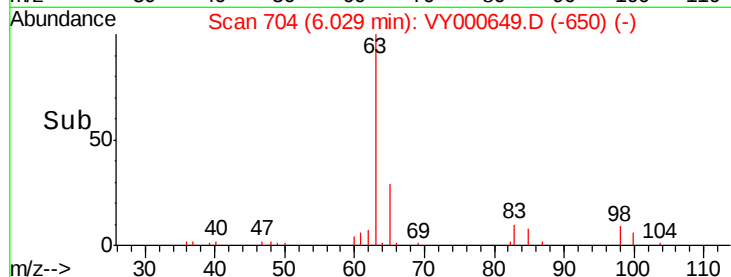
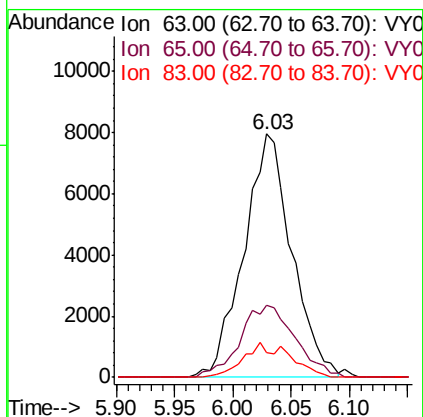
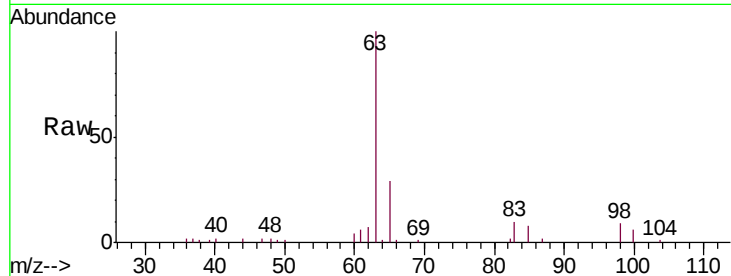




#19
 1,1-Dichloroethane
 Concen: 2.512 ug/L
 RT: 6.03 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VY000649.D
 Acq: 12 Nov 2019 11:52

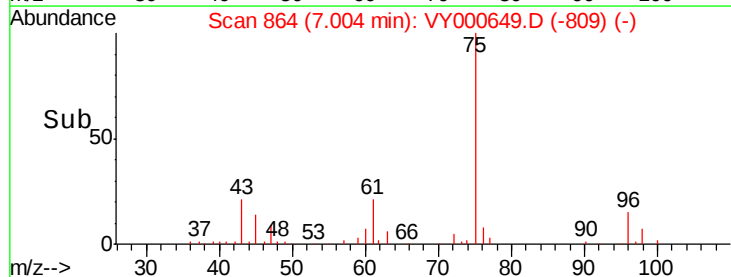
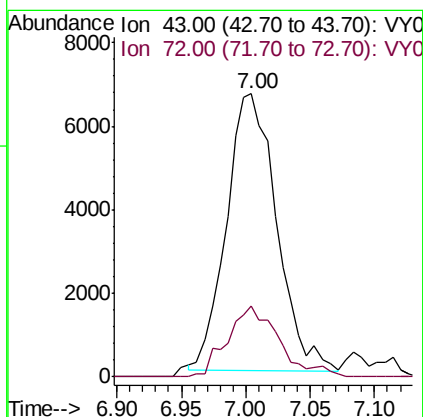
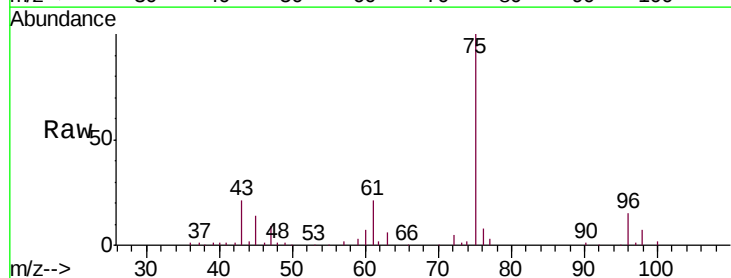
Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD2.578

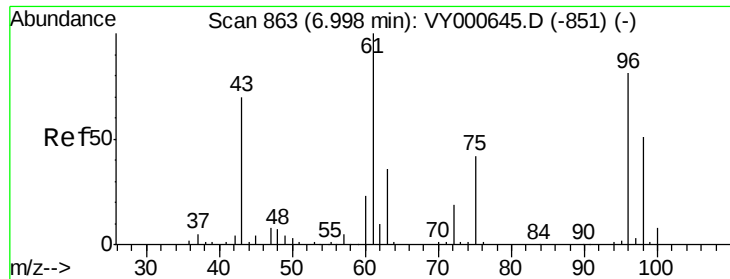
Tgt Ion: 63 Resp: 22719
 Ion Ratio Lower Upper
 63 100
 65 29.4 23.9 44.5
 83 10.2 10.1 18.9



#21
 2-Butanone
 Concen: 6.684 ug/L
 RT: 7.00 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VY000649.D
 Acq: 12 Nov 2019 11:52

Tgt Ion: 43 Resp: 17819
 Ion Ratio Lower Upper
 43 100
 72 22.0 12.6 37.8

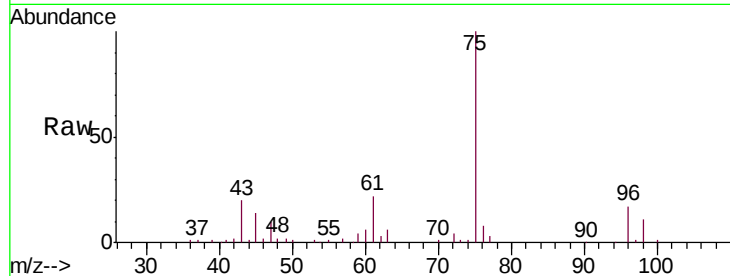




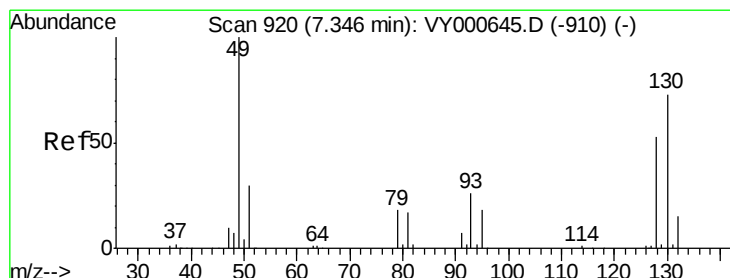
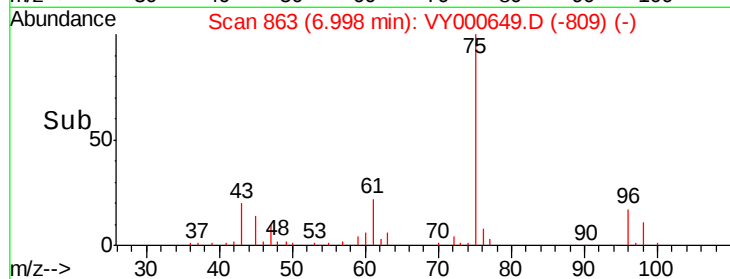
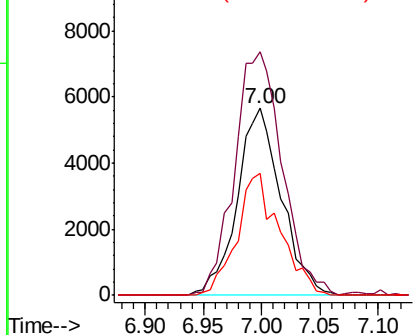
#22
 cis-1,2-Dichloroethene
 Concen: 2.618 ug/L
 RT: 7.00 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VY000649.D
 Acq: 12 Nov 2019 11:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

Tgt Ion: 96 Resp: 14878
 Ion Ratio Lower Upper
 96 100
 61 130.4 86.8 161.2
 98 65.5 44.6 82.8

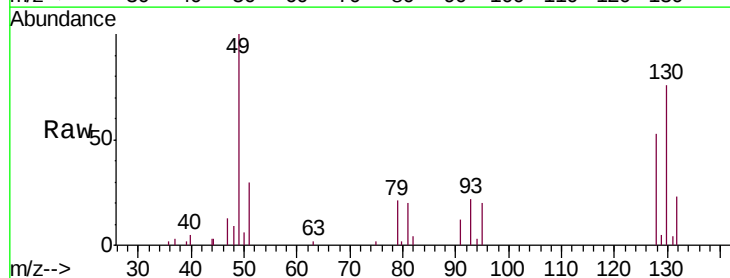


Abundance Ion 96.00 (95.70 to 96.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 98.00 (97.70 to 98.70): VY0

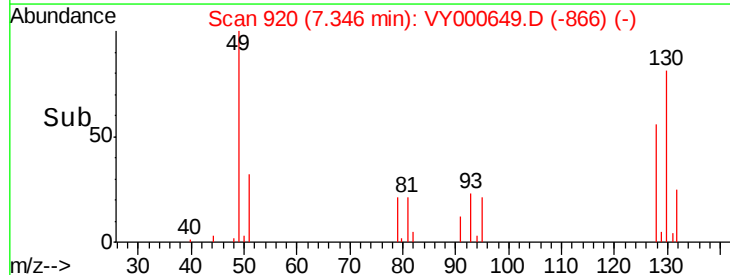
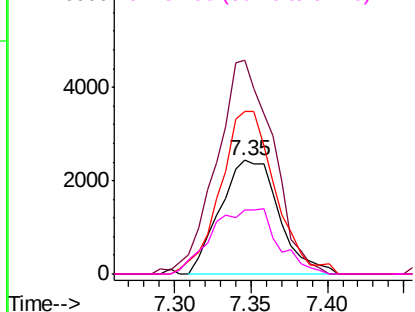


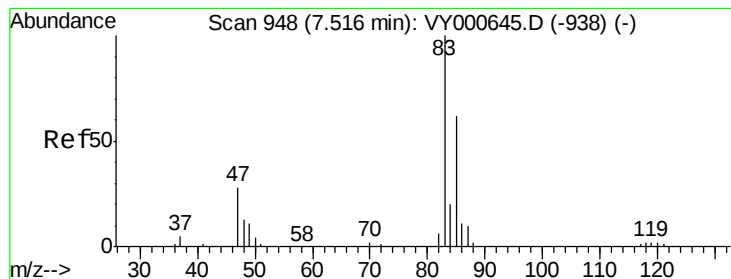
#23
 Bromochloromethane
 Concen: 2.628 ug/L
 RT: 7.35 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VY000649.D
 Acq: 12 Nov 2019 11:52

Tgt Ion: 128 Resp: 6522
 Ion Ratio Lower Upper
 128 100
 49 188.0 131.5 244.3
 130 143.6 96.7 179.5
 51 56.8 45.3 67.9



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VY0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VY0





#25

Chloroform

Concen: 2.804 ug/L

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY000649.D

Acq: 12 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

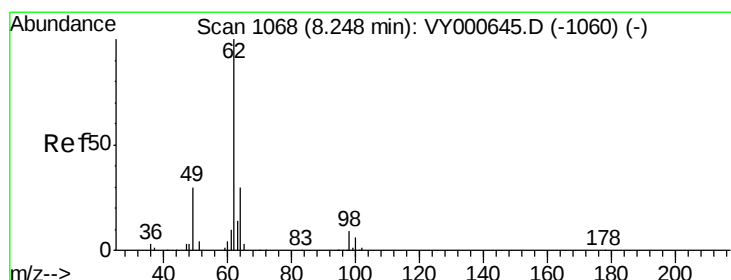
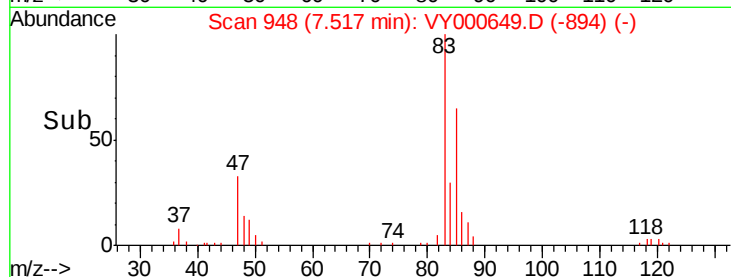
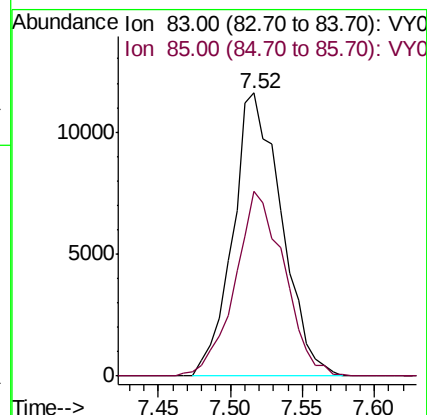
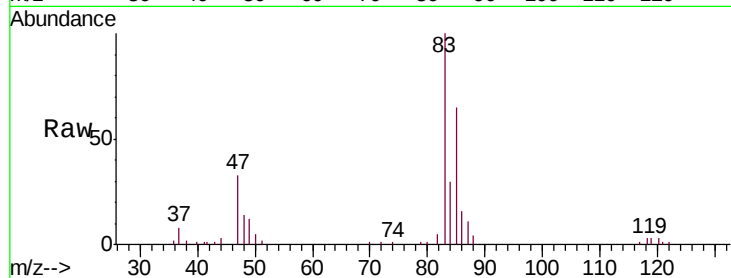
VSTD2.578

Tgt Ion: 83 Resp: 27333

Ion Ratio Lower Upper

83 100

85 65.8 45.6 84.6



#27

1,2-Dichloroethane

Concen: 2.698 ug/L

RT: 8.25 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VY000649.D

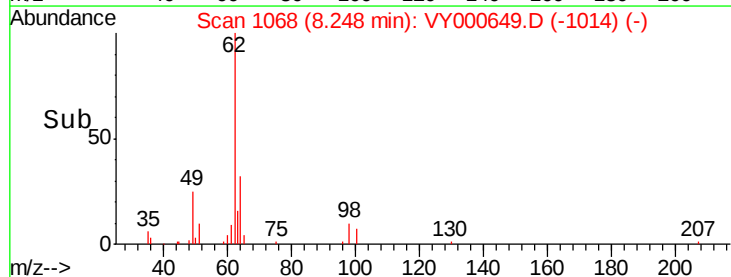
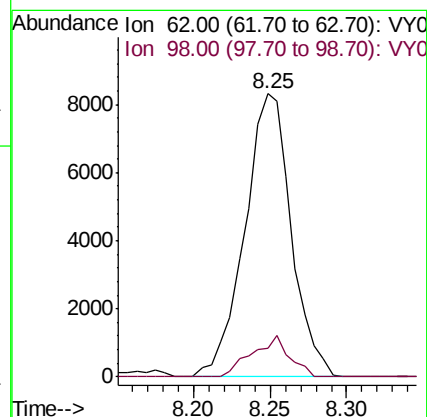
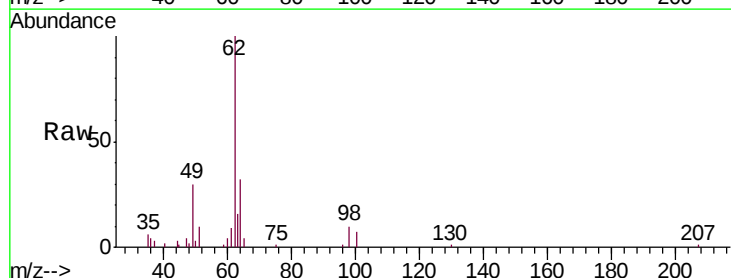
Acq: 12 Nov 2019 11:52

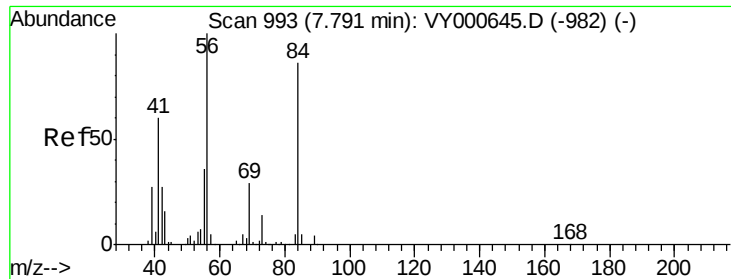
Tgt Ion: 62 Resp: 17578

Ion Ratio Lower Upper

62 100

98 10.2 7.5 11.3

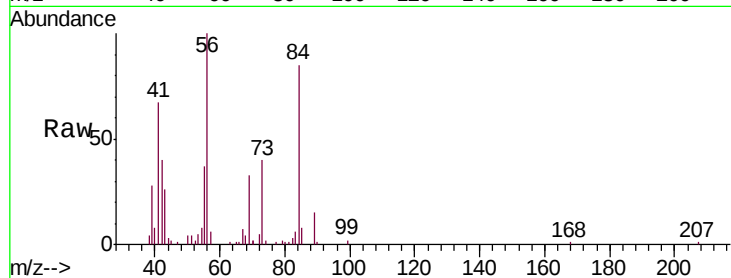




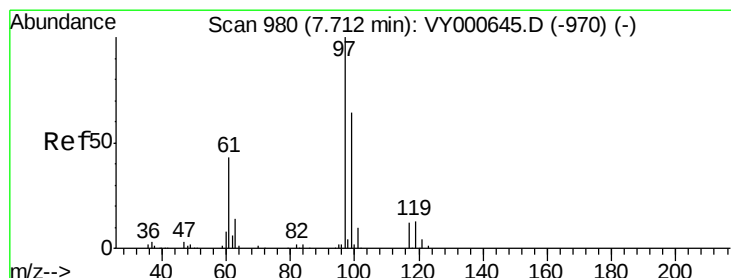
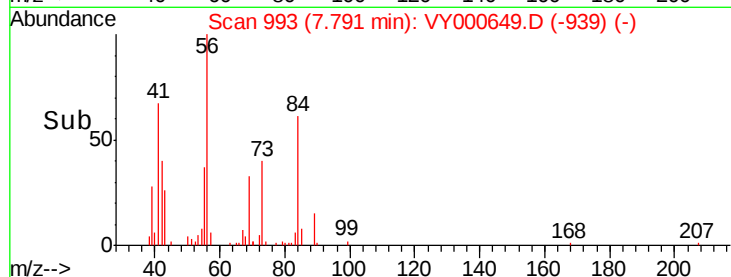
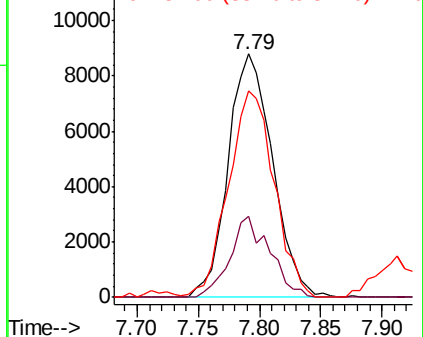
#30
Cyclohexane
Concen: 2.522 ug/L
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY000649.D
Acq: 12 Nov 2019 11:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

Tgt Ion: 56 Resp: 22237
Ion Ratio Lower Upper
56 100
69 29.6 24.1 36.1
84 86.8 70.2 105.4

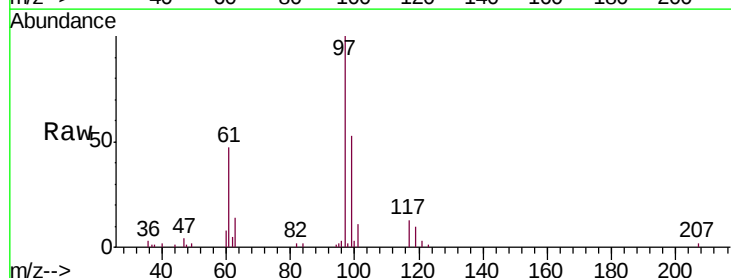


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

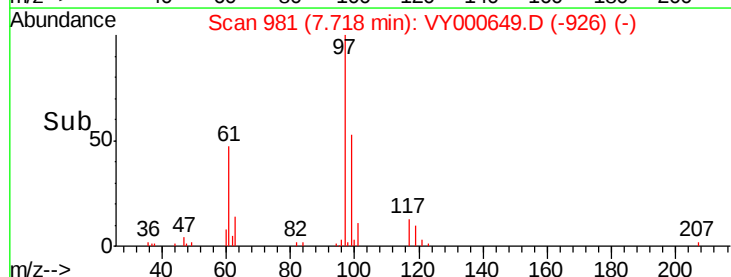
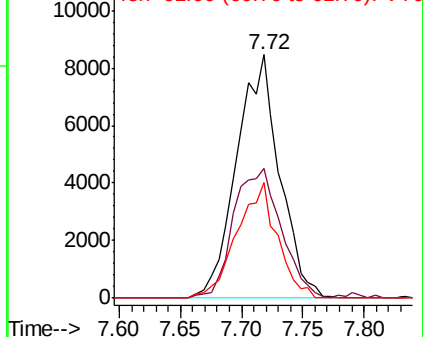


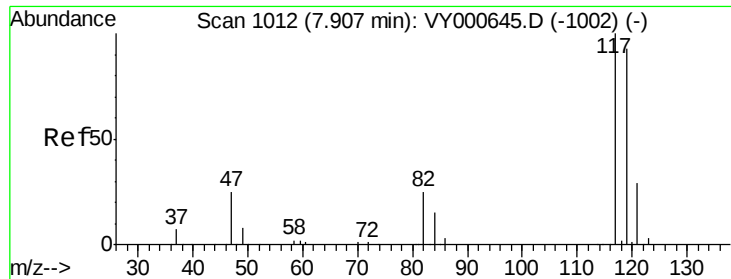
#31
1,1,1-Trichloroethane
Concen: 2.599 ug/L
RT: 7.72 min Scan# 981
Delta R.T. 0.01 min
Lab File: VY000649.D
Acq: 12 Nov 2019 11:52

Tgt Ion: 97 Resp: 20694
Ion Ratio Lower Upper
97 100
99 58.3 51.4 77.0
61 44.3 34.7 52.1



Abundance Ion 97.00 (96.70 to 97.70): VY0
Ion 99.00 (98.70 to 99.70): VY0
Ion 61.00 (60.70 to 61.70): VY0





#32

Carbon tetrachloride

Concen: 2.447 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VY000649.D

Acq: 12 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

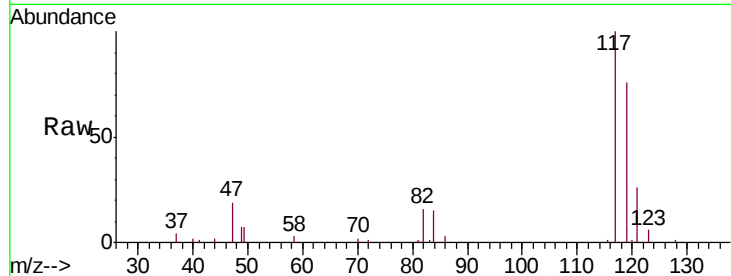
VSTD2.578

Tgt Ion:117 Resp: 16983

Ion Ratio Lower Upper

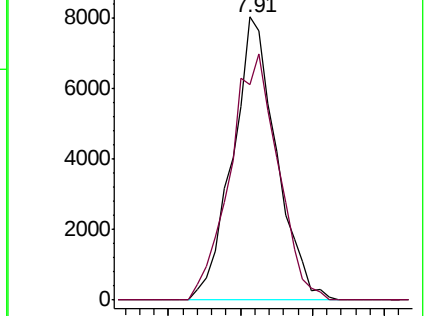
117 100

119 95.2 76.2 114.2

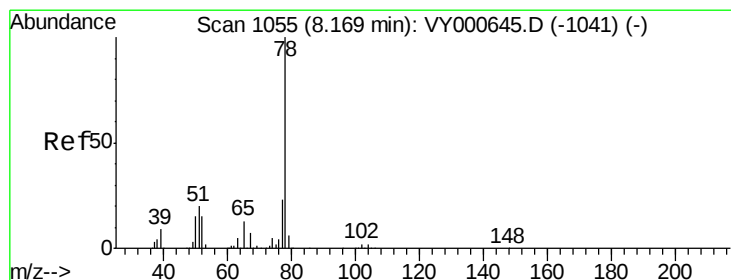
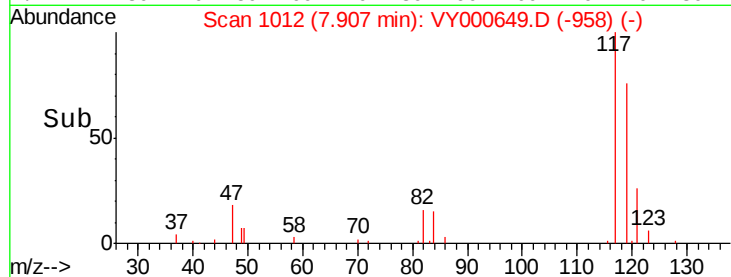


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 2.599 ug/L

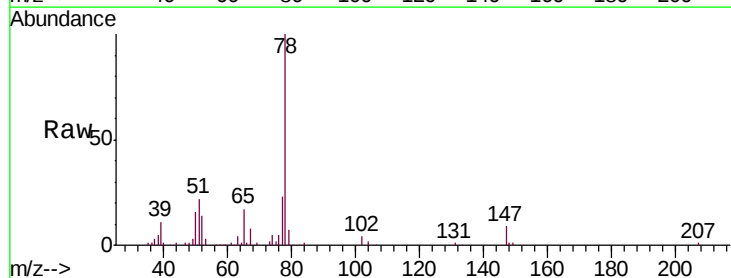
RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

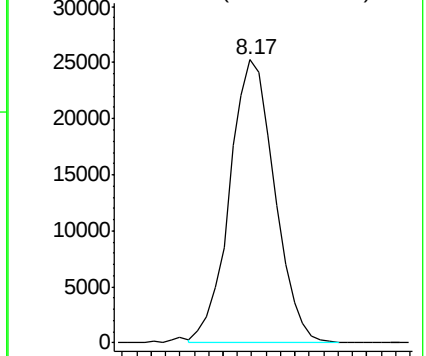
Lab File: VY000649.D

Acq: 12 Nov 2019 11:52

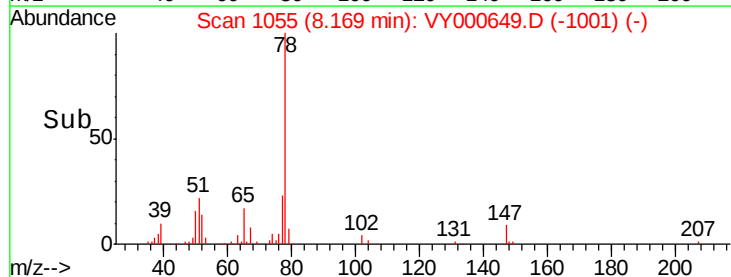
Tgt Ion: 78 Resp: 54902

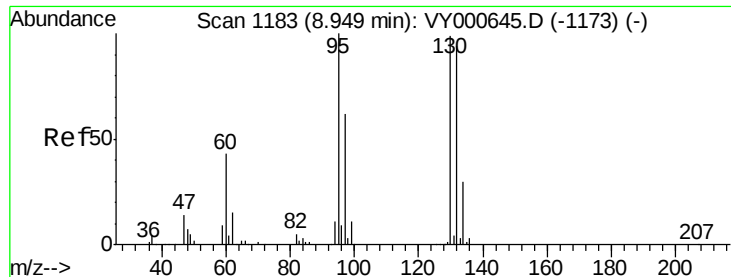


Abundance Ion 78.00 (77.70 to 78.70): VY0



Time-->

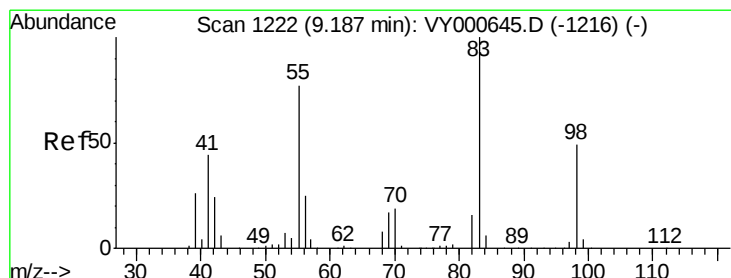
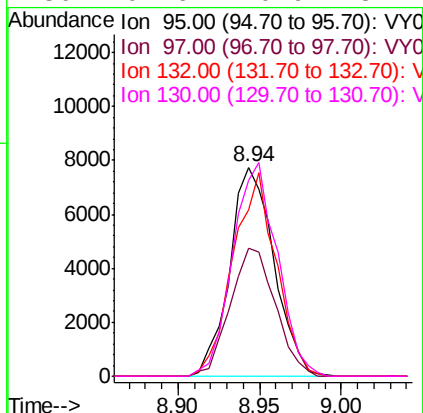
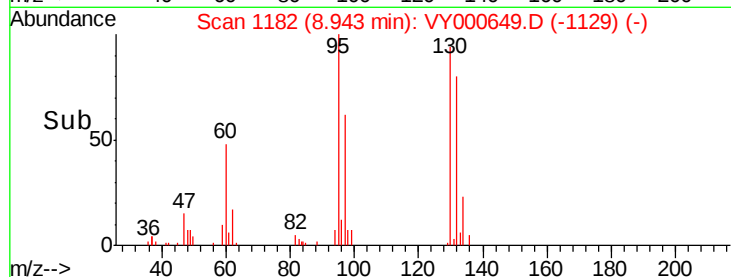
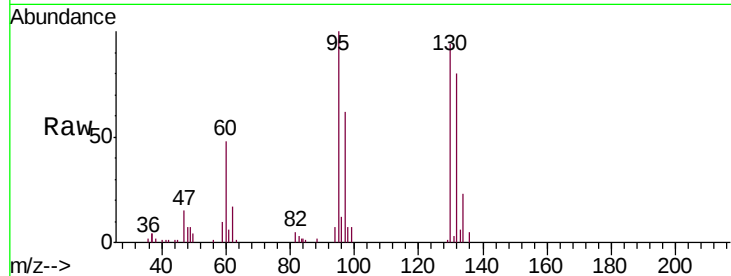




#35
 Trichloroethene
 Concen: 2.643 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VY000649.D
 Acq: 12 Nov 2019 11:52

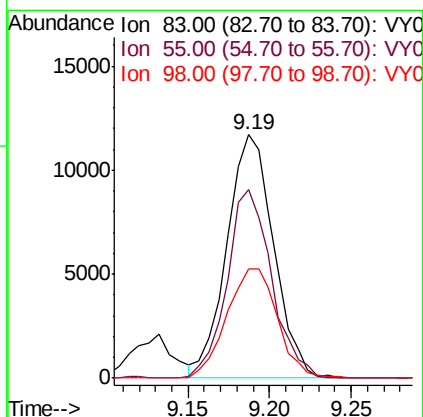
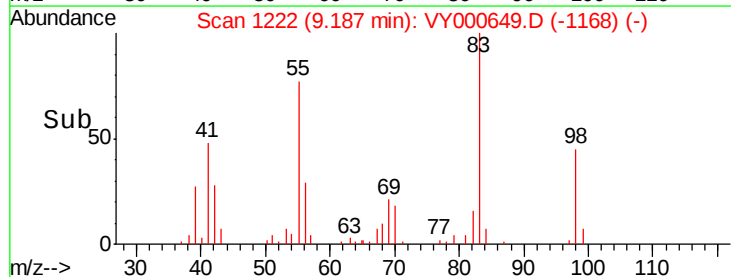
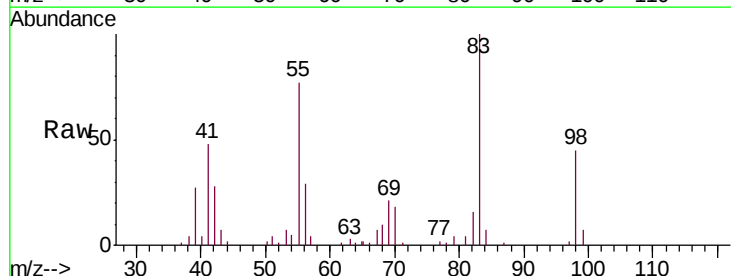
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

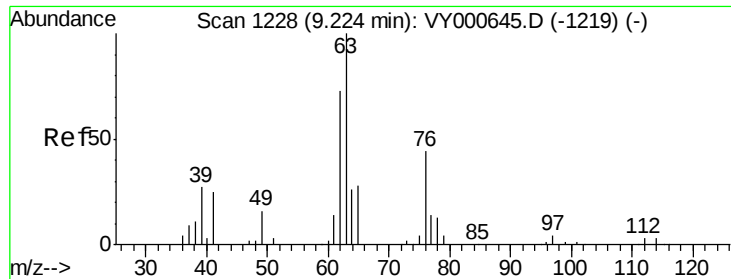
Tgt Ion:	95	Resp:	14639
Ion	Ratio	Lower	Upper
95	100		
97	62.6	44.4	82.4
132	95.0	66.8	124.0
130	102.6	70.9	131.7



#36
 Methylcyclohexane
 Concen: 2.464 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: VY000649.D
 Acq: 12 Nov 2019 11:52

Tgt Ion:	83	Resp:	23364
Ion	Ratio	Lower	Upper
83	100		
55	73.7	60.0	90.0
98	48.8	40.2	60.2

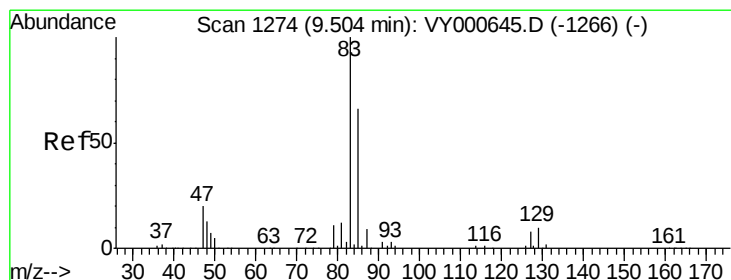
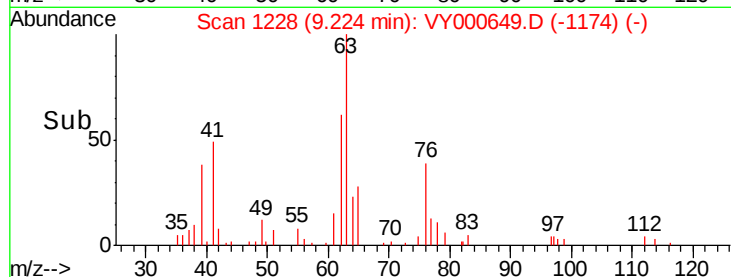
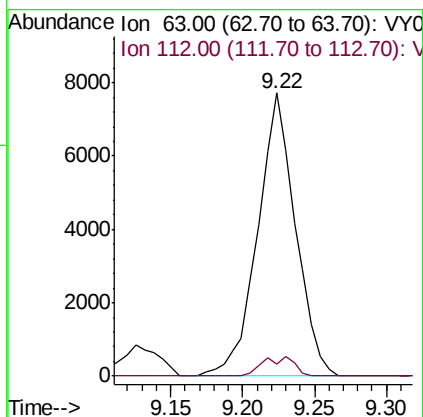
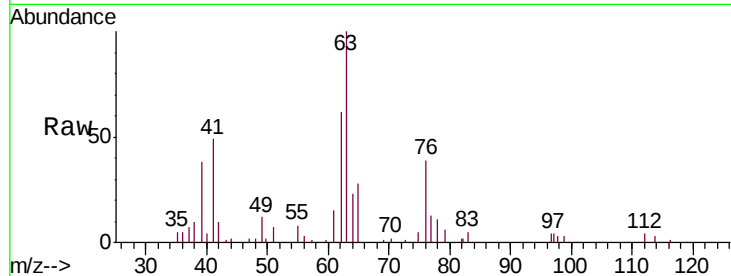




#40
 1,2-Dichloropropane
 Concen: 2.612 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000649.D
 Acq: 12 Nov 2019 11:52

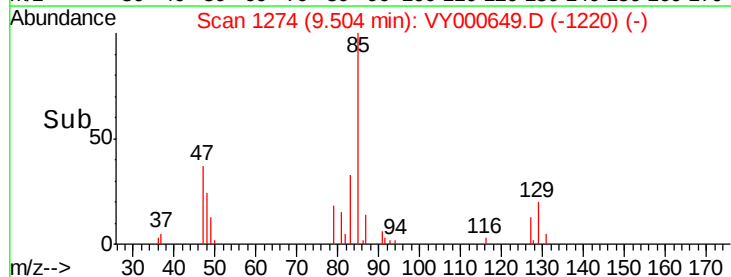
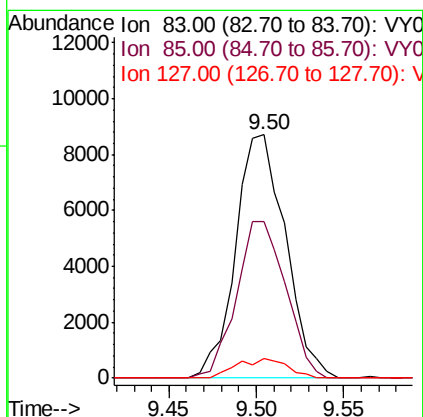
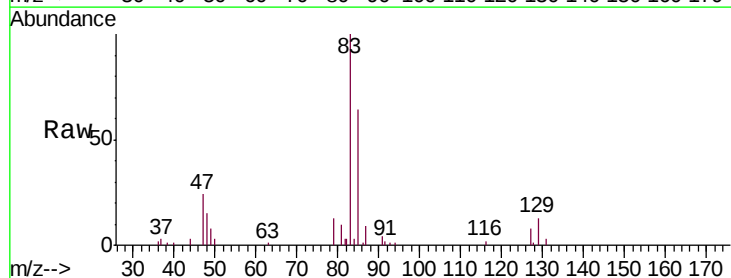
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

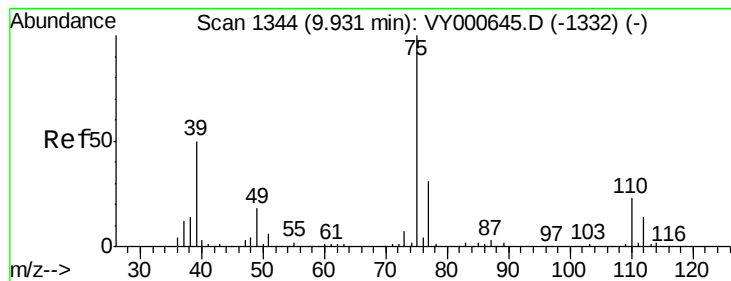
Tgt Ion: 63 Resp: 13987
 Ion Ratio Lower Upper
 63 100
 112 3.3 3.2 4.8



#41
 Bromodichloromethane
 Concen: 2.509 ug/L
 RT: 9.50 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VY000649.D
 Acq: 12 Nov 2019 11:52

Tgt Ion: 83 Resp: 17282
 Ion Ratio Lower Upper
 83 100
 85 64.1 46.1 85.5
 127 8.3 6.5 9.7



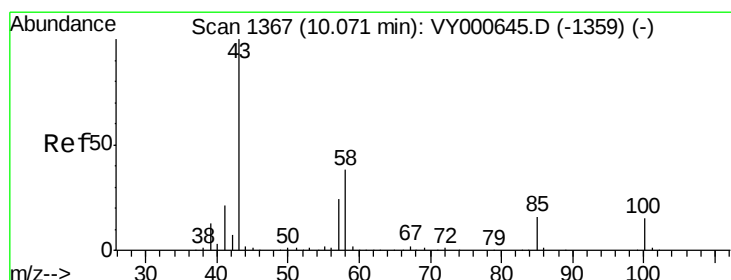
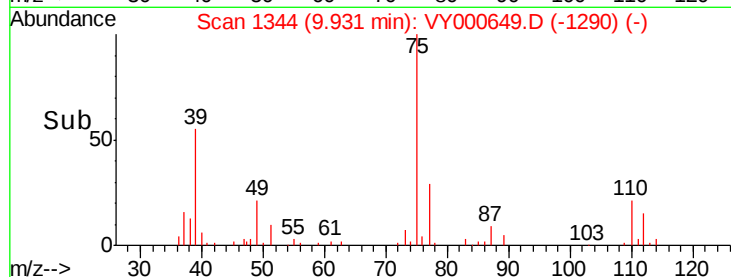
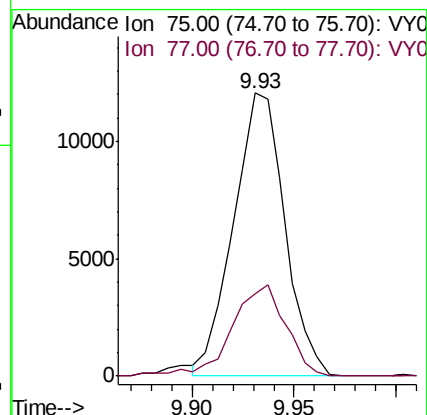
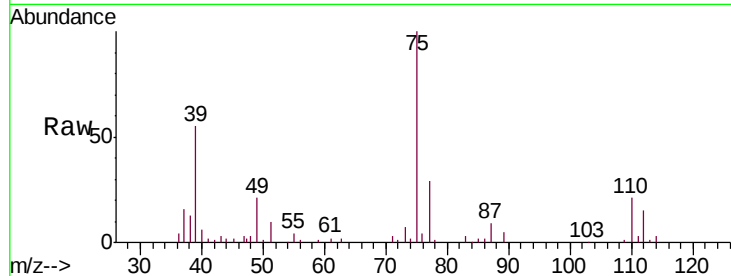


#42

cis-1,3-Dichloropropene
 Concen: 2.439 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY000649.D
 Acq: 12 Nov 2019 11:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

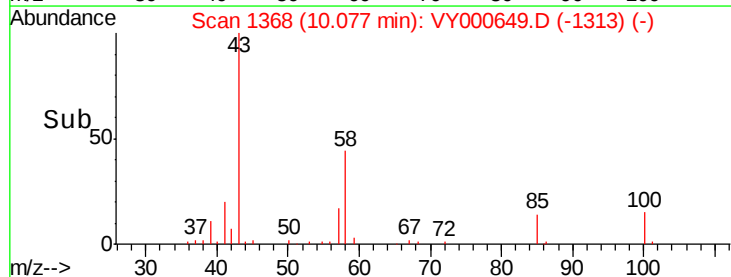
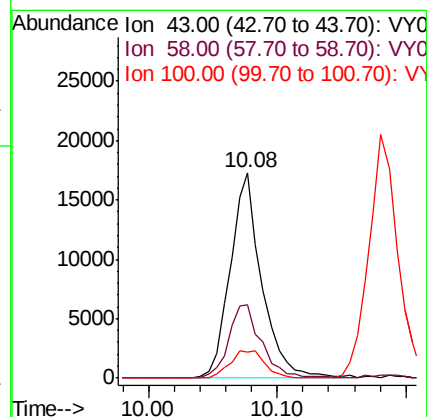
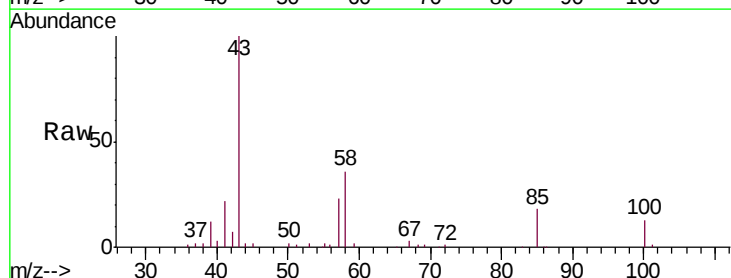
Tgt Ion: 75 Resp: 21041
 Ion Ratio Lower Upper
 75 100
 77 29.0 21.7 40.3

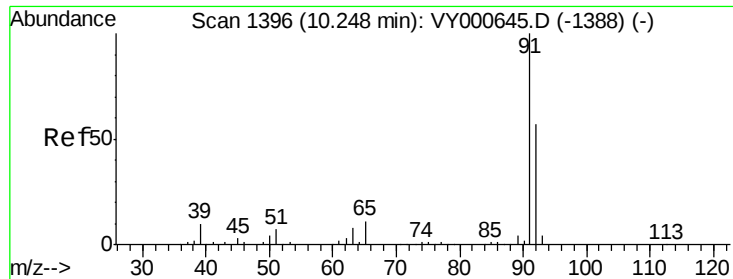


#43

4-Methyl-2-pentanone
 Concen: 5.769 ug/L
 RT: 10.08 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VY000649.D
 Acq: 12 Nov 2019 11:52

Tgt Ion: 43 Resp: 29539
 Ion Ratio Lower Upper
 43 100
 58 37.0 30.6 45.8
 100 14.8 12.0 18.0





#44

Toluene

Concen: 2.544 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000649.D

Acq: 12 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

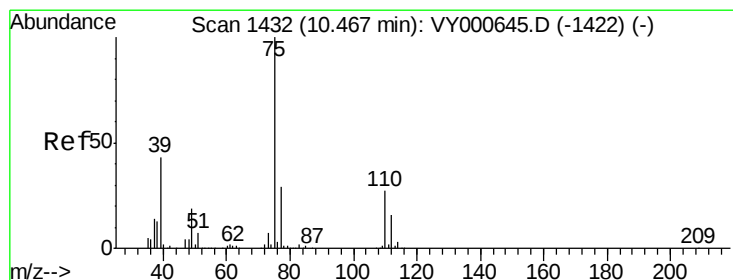
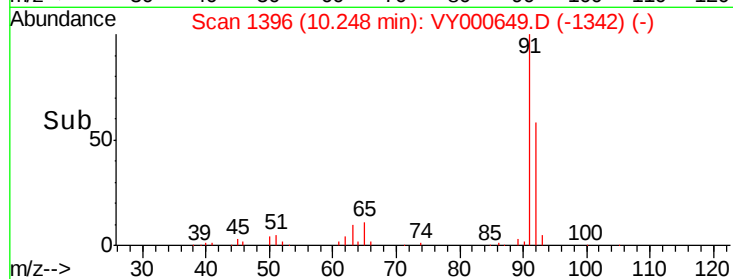
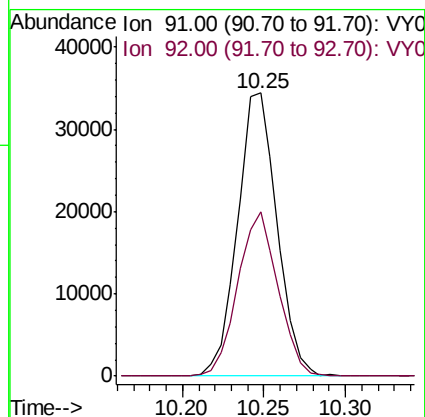
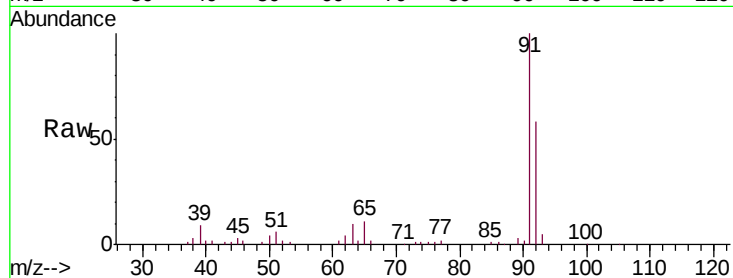
VSTD2.578

Tgt Ion: 91 Resp: 58107

Ion Ratio Lower Upper

91 100

92 58.2 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 2.498 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000649.D

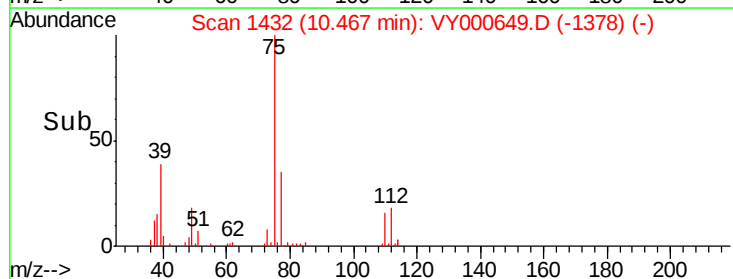
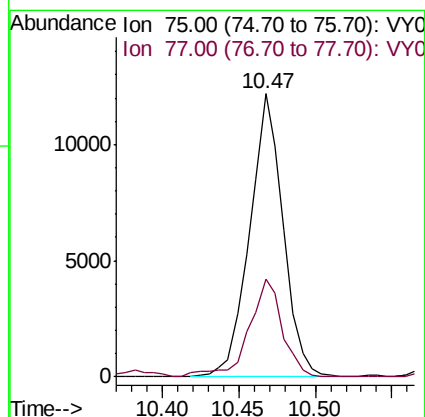
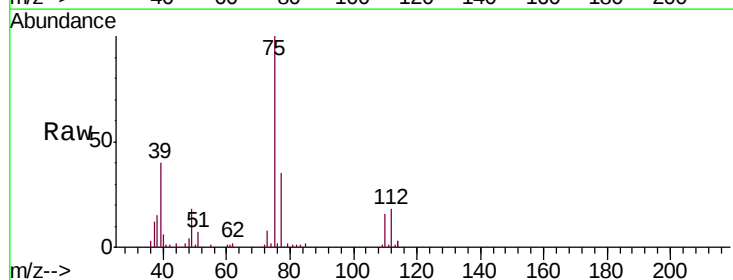
Acq: 12 Nov 2019 11:52

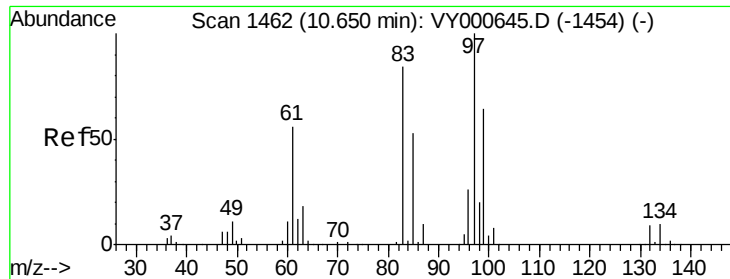
Tgt Ion: 75 Resp: 18511

Ion Ratio Lower Upper

75 100

77 34.7 20.4 37.8





#46

1,1,2-Trichloroethane

Concen: 2.658 ug/L

RT: 10.65 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VY000649.D

Acq: 12 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.578

Tgt Ion: 97 Resp: 11675

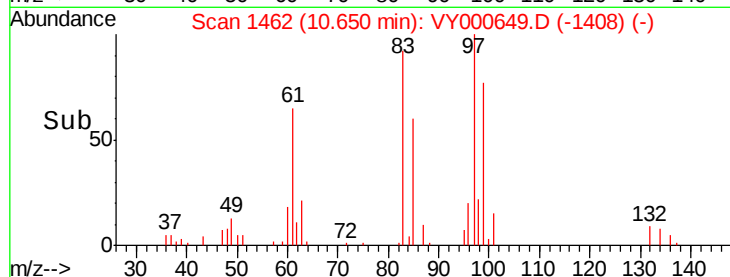
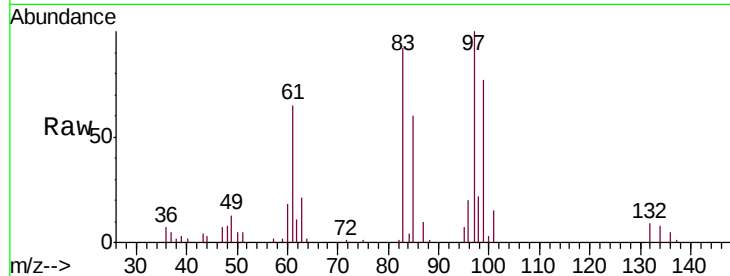
Ion Ratio Lower Upper

97 100

83 92.2 58.7 109.1

85 59.9 37.3 69.3

99 76.8 44.7 83.1



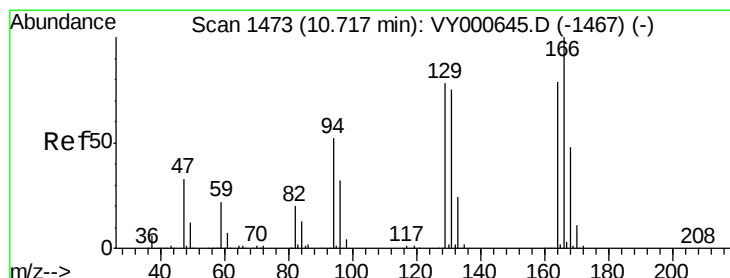
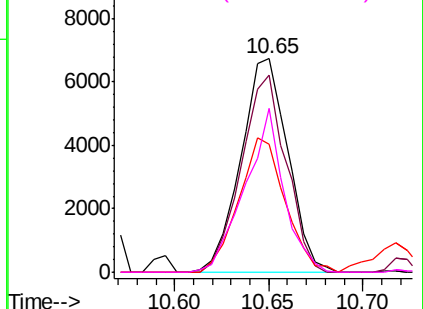
Abundance

Ion 97.00 (96.70 to 97.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 99.00 (98.70 to 99.70): VY0



#47

Tetrachloroethene

Concen: 2.481 ug/L

RT: 10.72 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VY000649.D

Acq: 12 Nov 2019 11:52

Tgt Ion: 164 Resp: 10263

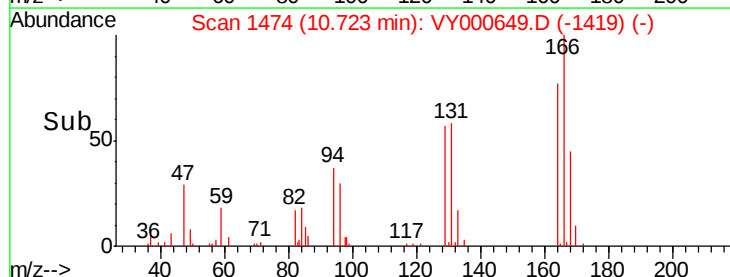
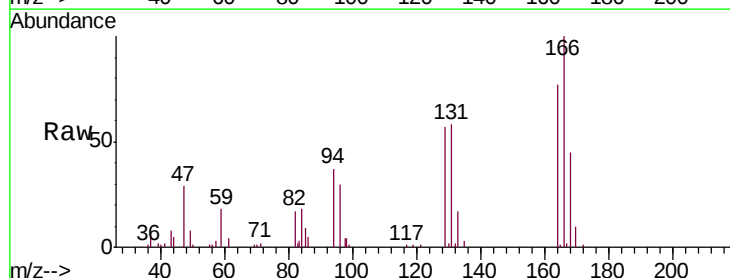
Ion Ratio Lower Upper

164 100

129 73.7 69.6 129.2

131 75.3 66.8 124.2

166 130.1 89.0 165.2



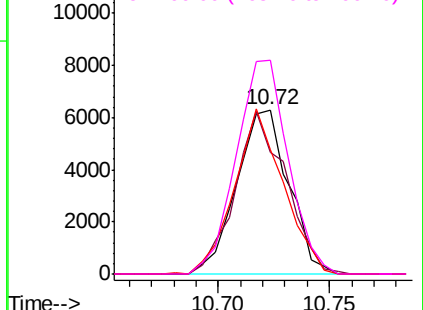
Abundance

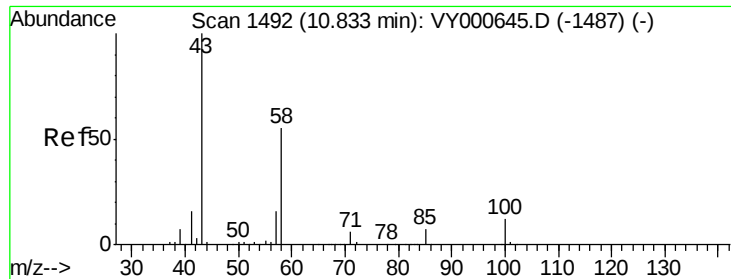
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

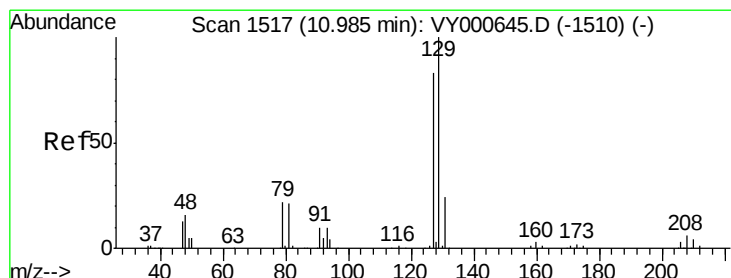
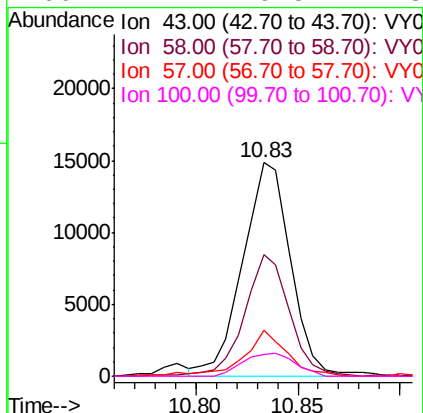
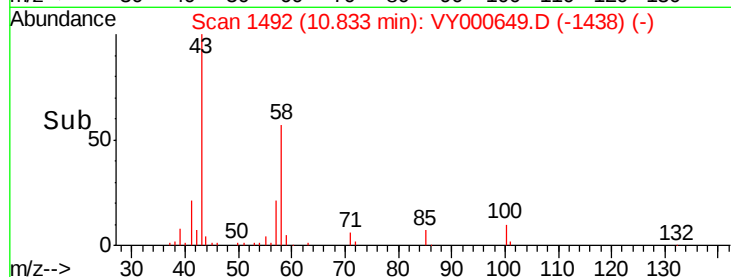
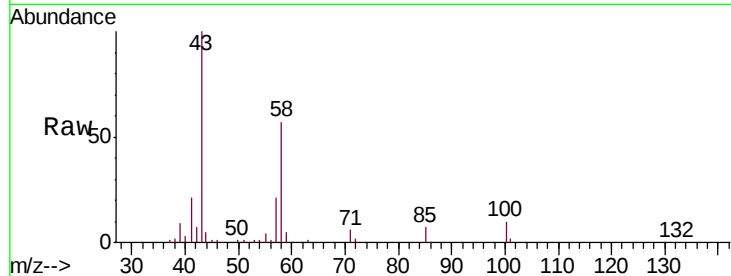




#49
2-Hexanone
Concen: 6.054 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000649.D
Acq: 12 Nov 2019 11:52

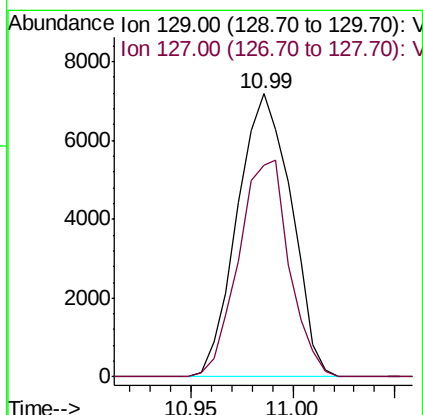
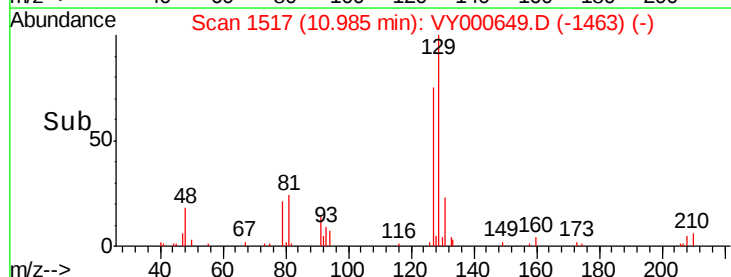
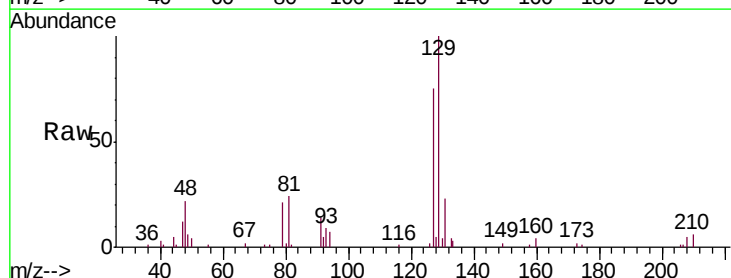
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

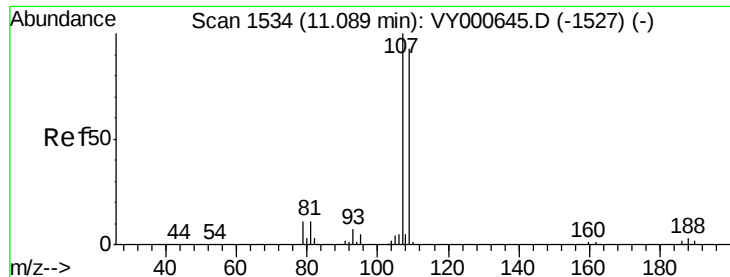
Tgt Ion: 43 Resp: 24146
Ion Ratio Lower Upper
43 100
58 54.1 44.1 66.1
57 18.9 13.9 20.9
100 11.7 9.5 14.3



#50
Dibromochloromethane
Concen: 2.662 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000649.D
Acq: 12 Nov 2019 11:52

Tgt Ion: 129 Resp: 13207
Ion Ratio Lower Upper
129 100
127 74.9 57.9 107.5





#51

1,2-Dibromoethane

Concen: 2.649 ug/L

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY000649.D

Acq: 12 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.578

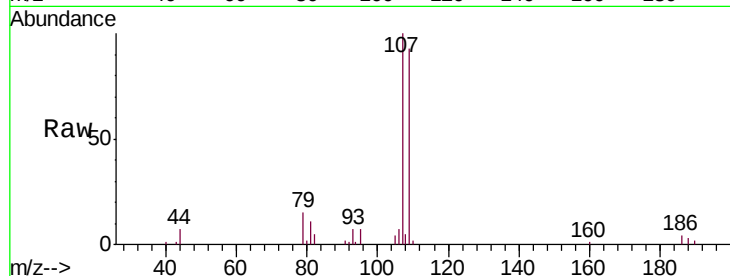
Tgt Ion:107 Resp: 11323

Ion Ratio Lower Upper

107 100

109 93.0 65.5 121.6

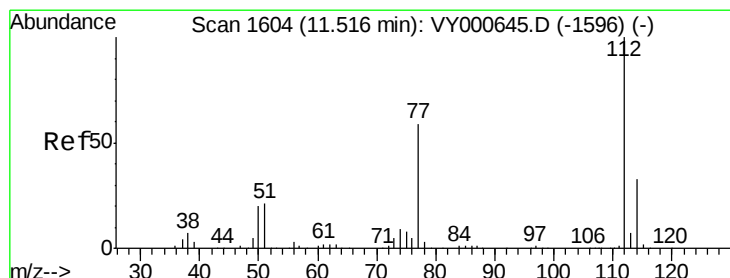
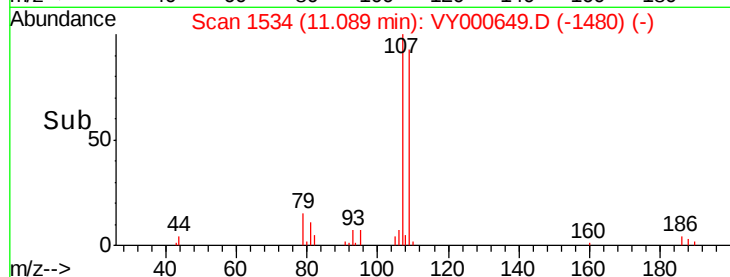
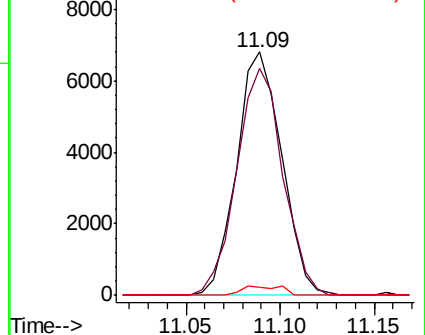
188 3.4 2.7 4.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 2.624 ug/L

RT: 11.52 min Scan# 1605

Delta R.T. 0.01 min

Lab File: VY000649.D

Acq: 12 Nov 2019 11:52

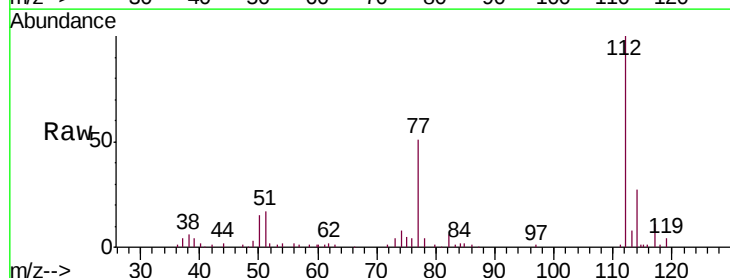
Tgt Ion:112 Resp: 38031

Ion Ratio Lower Upper

112 100

77 50.5 47.4 71.0

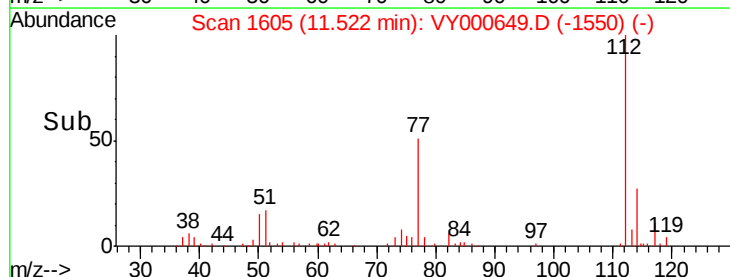
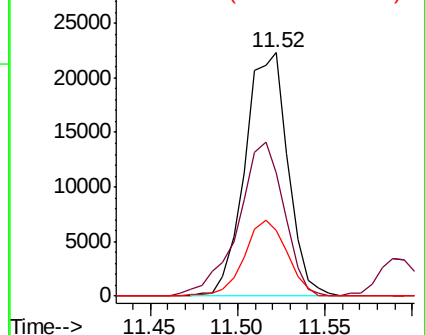
114 26.9 23.0 42.6

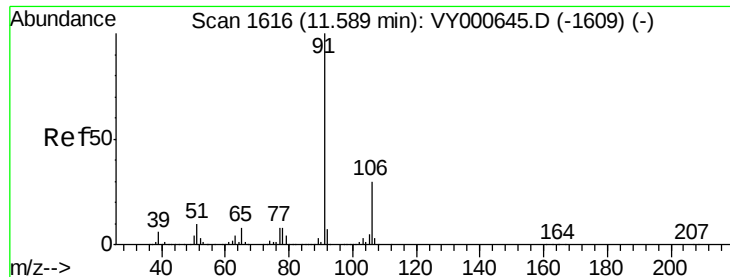


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 2.515 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000649.D

Acq: 12 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

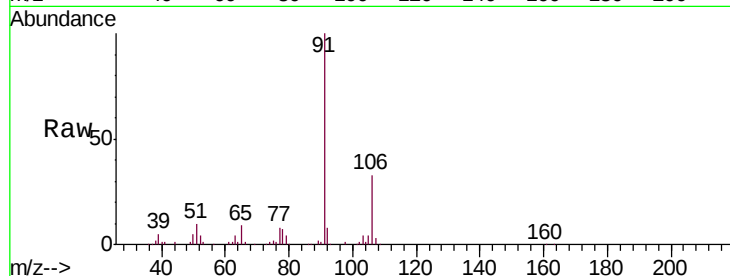
VSTD2.578

Tgt Ion: 91 Resp: 64994

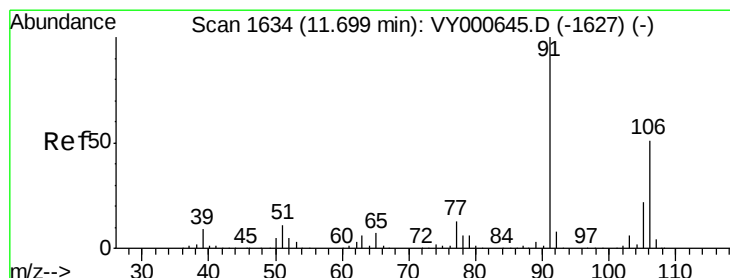
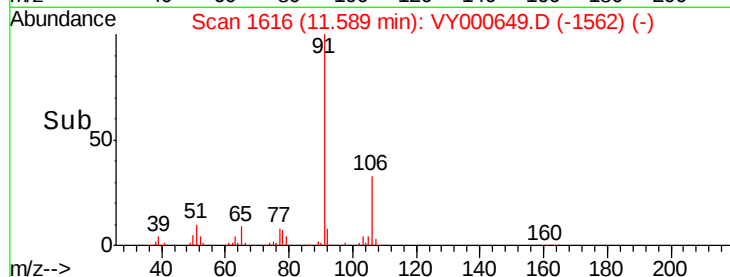
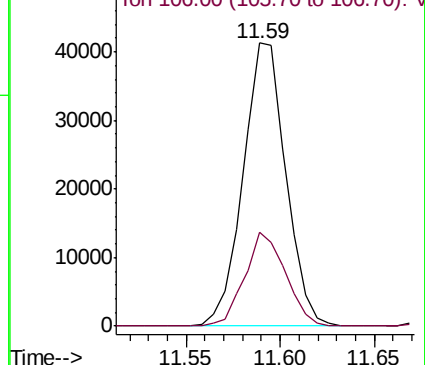
Ion Ratio Lower Upper

91 100

106 33.4 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VY000649.D (-1609) (-)



#54

m,p-Xylene

Concen: 2.380 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY000649.D

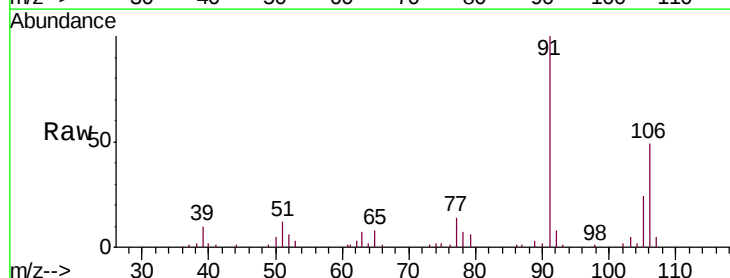
Acq: 12 Nov 2019 11:52

Tgt Ion: 106 Resp: 23268

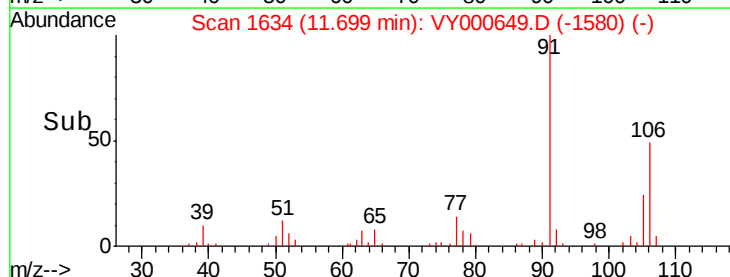
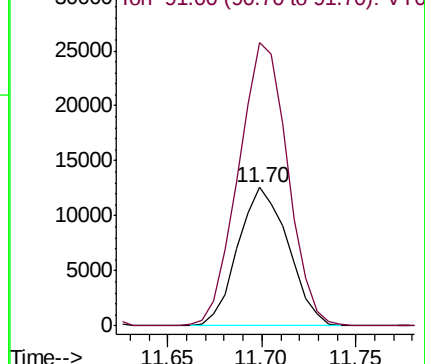
Ion Ratio Lower Upper

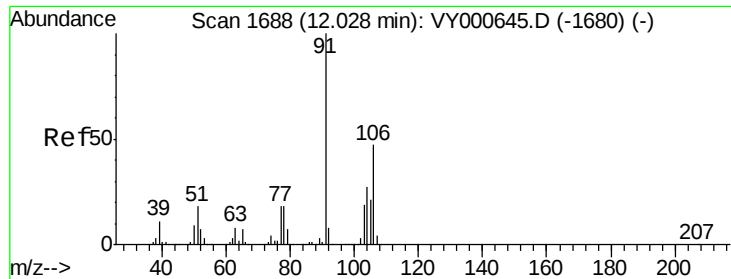
106 100

91 204.8 137.4 255.2



Abundance Ion 106.00 (105.70 to 106.70): VY000649.D (-1627) (-)

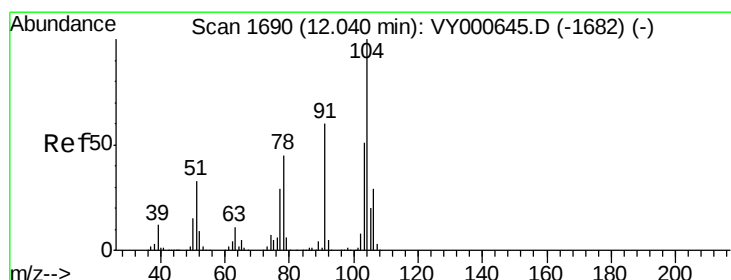
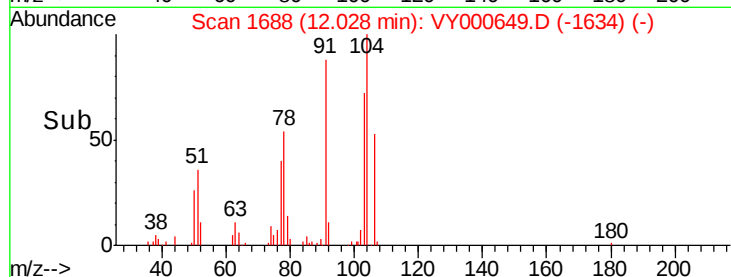
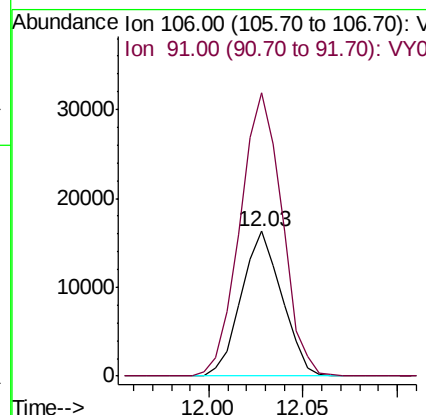
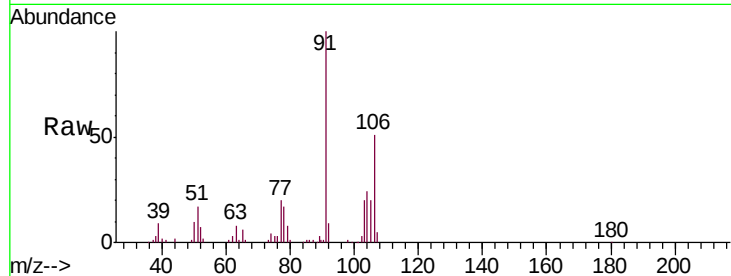




#55
o-xylene
Concen: 2.549 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000649.D
Acq: 12 Nov 2019 11:52

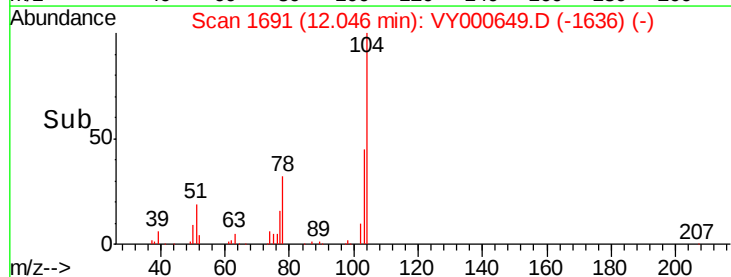
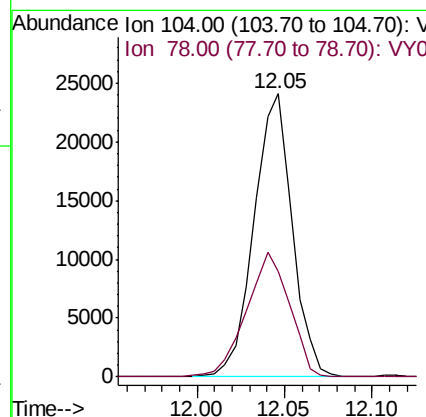
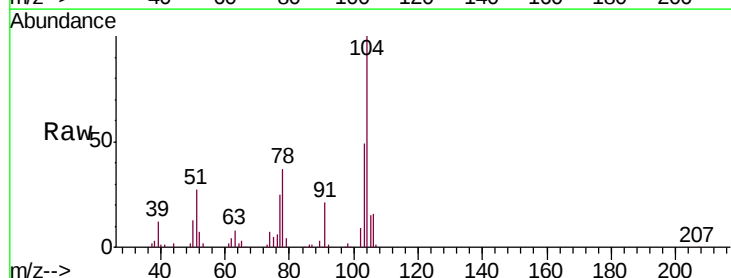
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

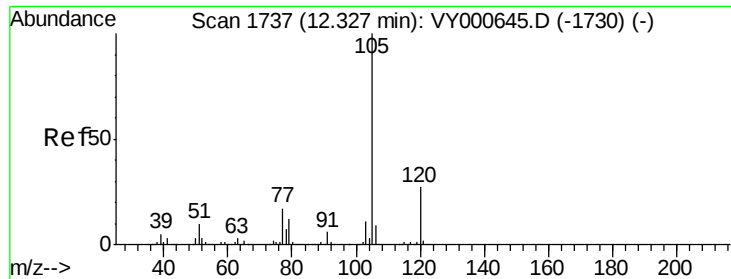
Tgt Ion:106 Resp: 24465
Ion Ratio Lower Upper
106 100
91 195.7 147.8 274.6



#56
Styrene
Concen: 2.296 ug/L
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY000649.D
Acq: 12 Nov 2019 11:52

Tgt Ion:104 Resp: 36618
Ion Ratio Lower Upper
104 100
78 37.2 31.5 58.5





#57

Isopropylbenzene

Concen: 2.418 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000649.D

Acq: 12 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.578

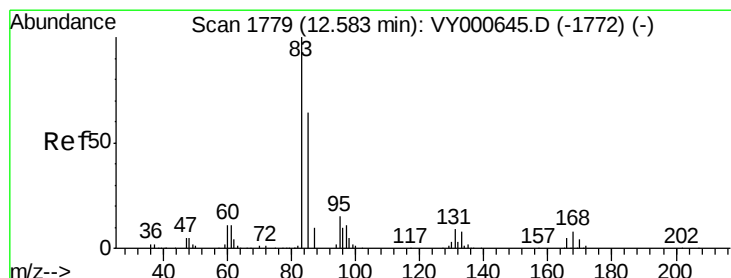
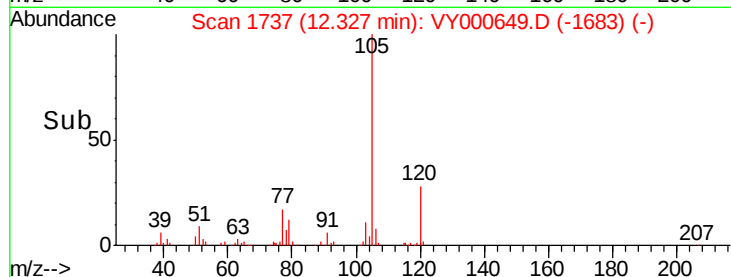
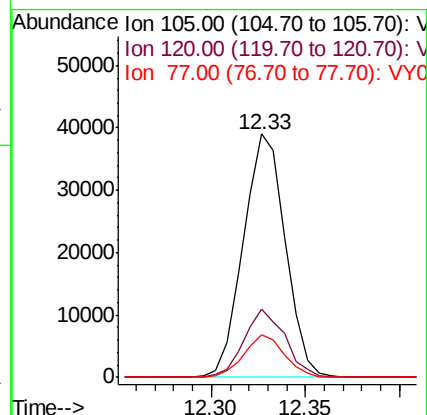
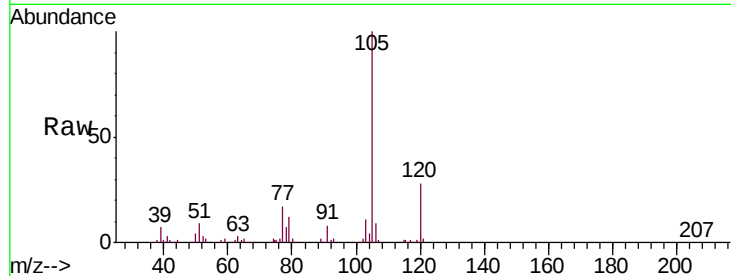
Tgt Ion: 105 Resp: 60378

Ion Ratio Lower Upper

105 100

120 27.2 21.5 32.3

77 16.9 12.6 19.0



#58

1,1,2,2-Tetrachloroethane

Concen: 2.563 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000649.D

Acq: 12 Nov 2019 11:52

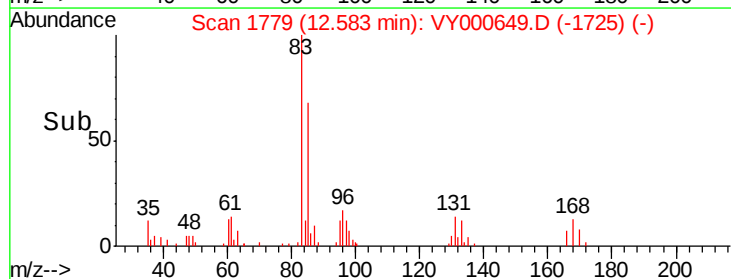
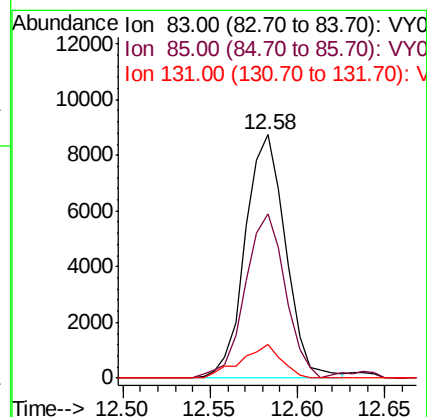
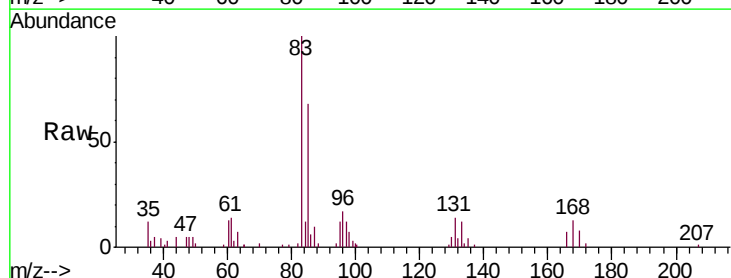
Tgt Ion: 83 Resp: 14044

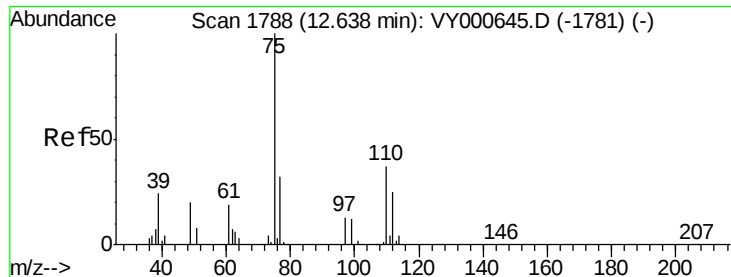
Ion Ratio Lower Upper

83 100

85 67.7 45.0 83.6

131 13.7 7.8 11.6#





#59

1,2,3-Trichloropropane

Concen: 2.770 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VY000649.D

Acq: 12 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

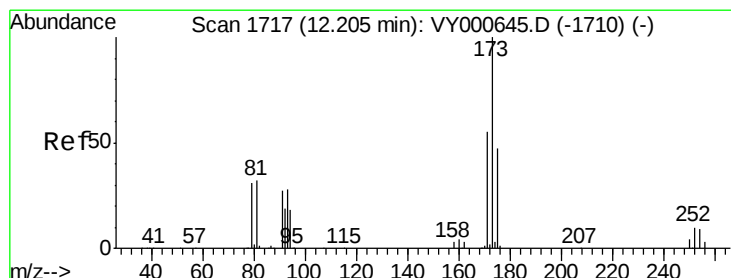
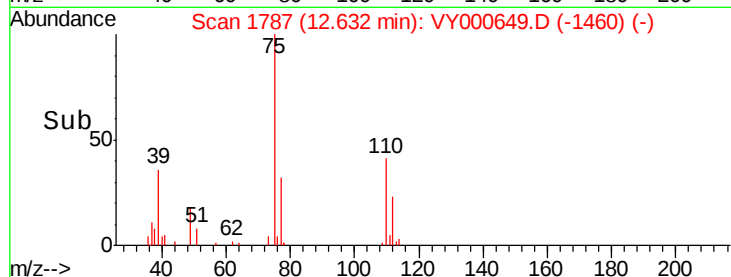
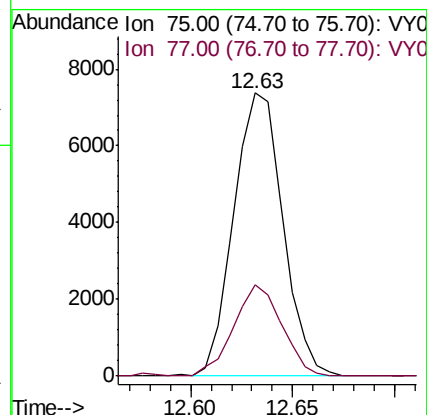
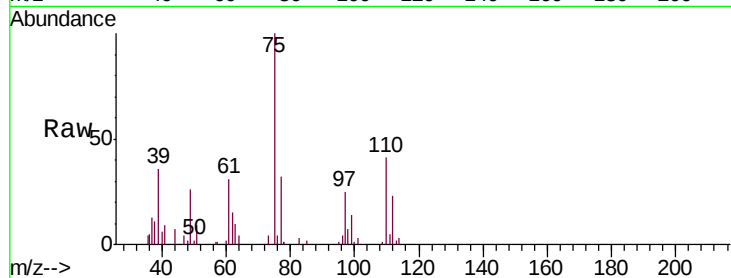
VSTD2.578

Tgt Ion: 75 Resp: 12342

Ion Ratio Lower Upper

75 100

77 31.5 26.4 39.6



#62

Bromoform

Concen: 2.389 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY000649.D

Acq: 12 Nov 2019 11:52

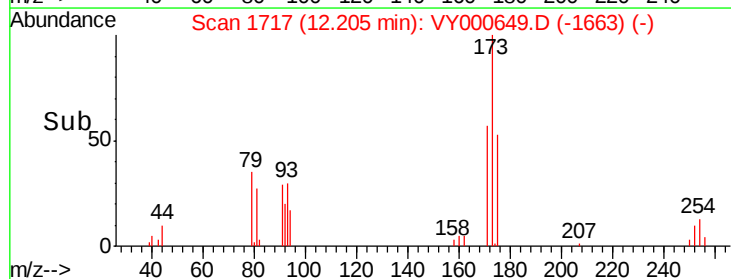
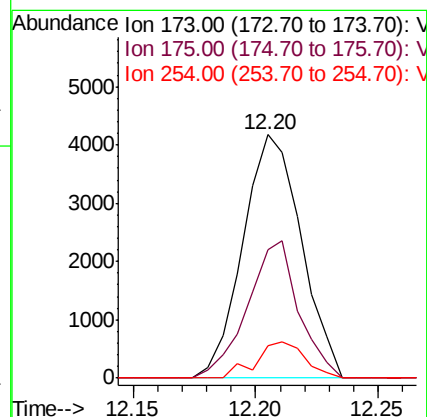
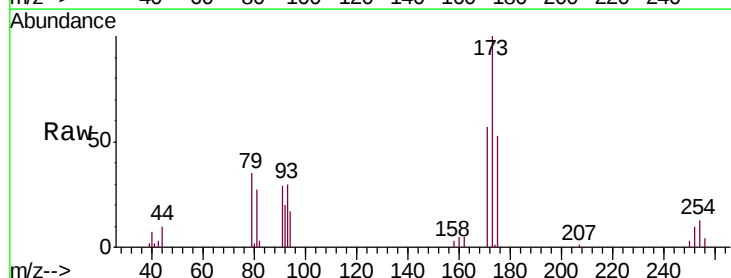
Tgt Ion: 173 Resp: 6932

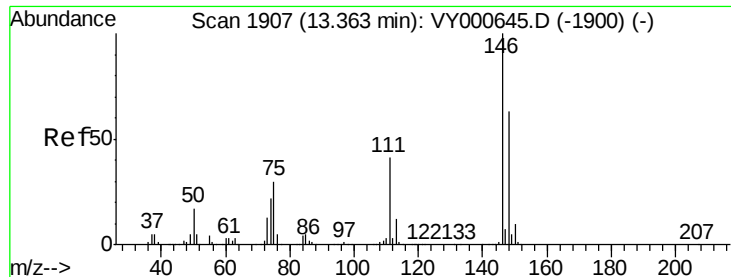
Ion Ratio Lower Upper

173 100

175 49.7 37.8 56.6

254 12.4 7.7 11.5#

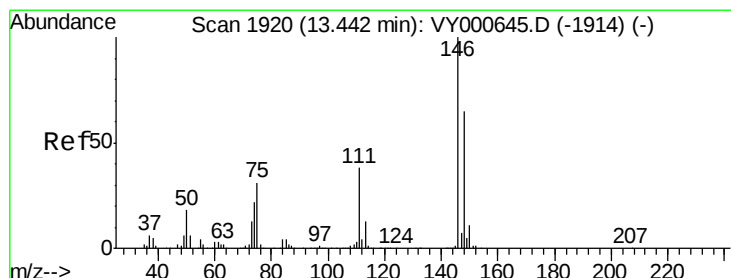
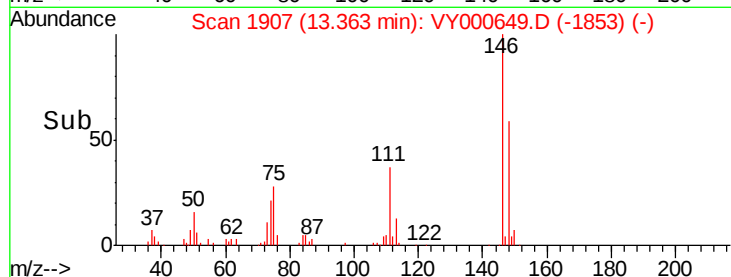
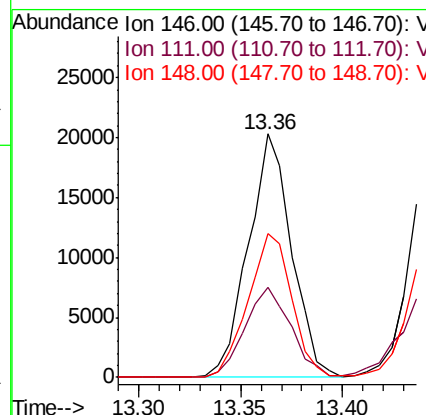
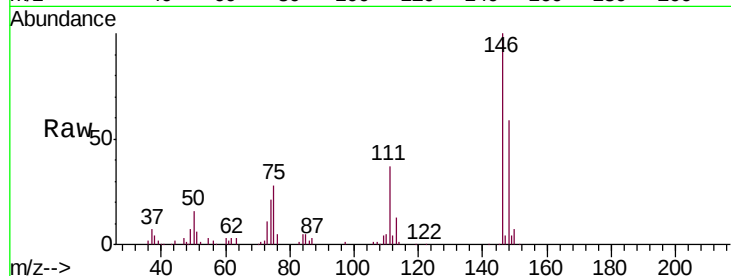




#63
 1,3-Dichlorobenzene
 Concen: 2.750 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000649.D
 Acq: 12 Nov 2019 11:52

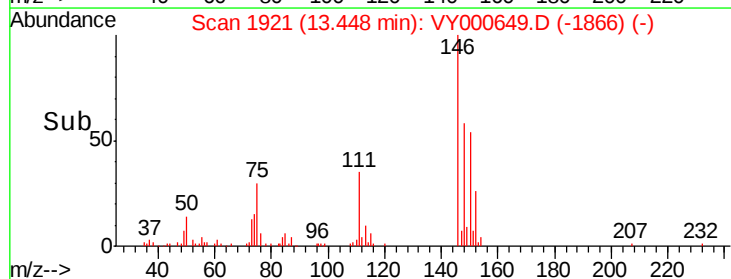
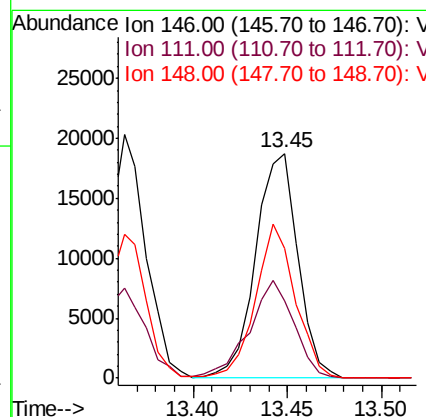
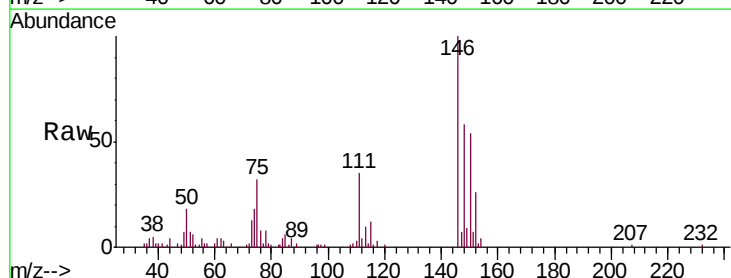
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

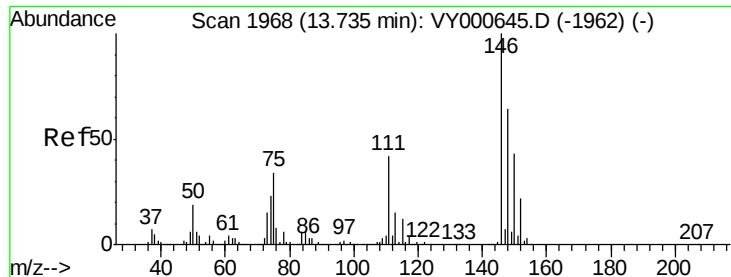
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	28.8	53.6
148	59.1	44.3	82.3



#64
 1,4-Dichlorobenzene
 Concen: 2.675 ug/L
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY000649.D
 Acq: 12 Nov 2019 11:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	26.7	49.5
148	57.6	45.2	84.0

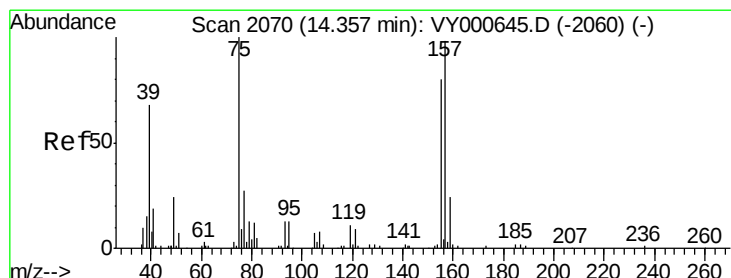
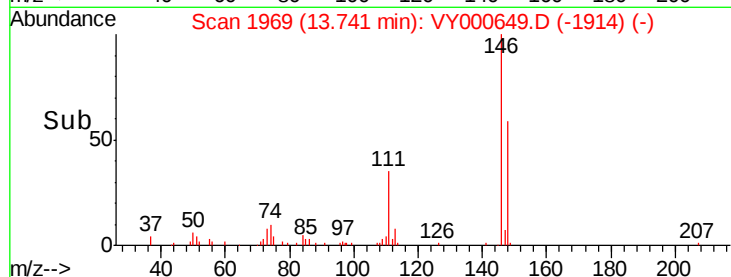
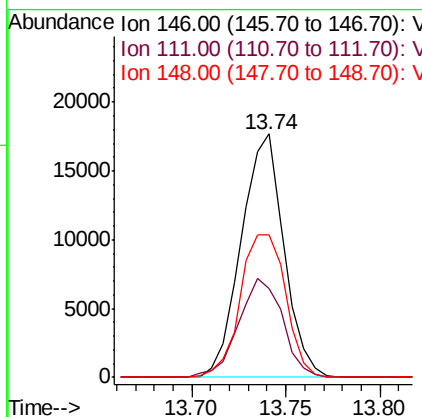
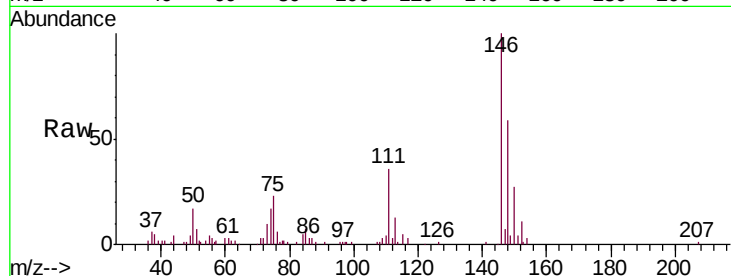




#65
 1,2-Dichlorobenzene
 Concen: 2.748 ug/L
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY000649.D
 Acq: 12 Nov 2019 11:52

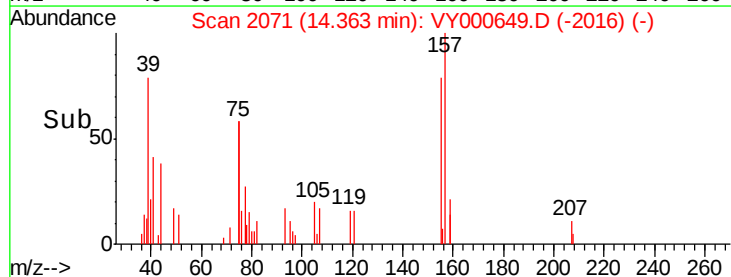
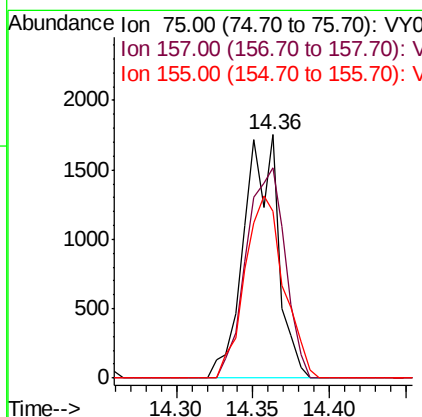
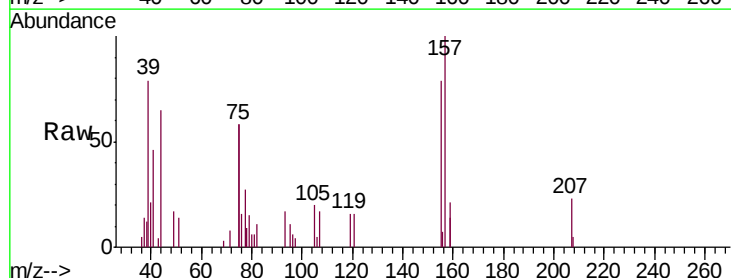
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

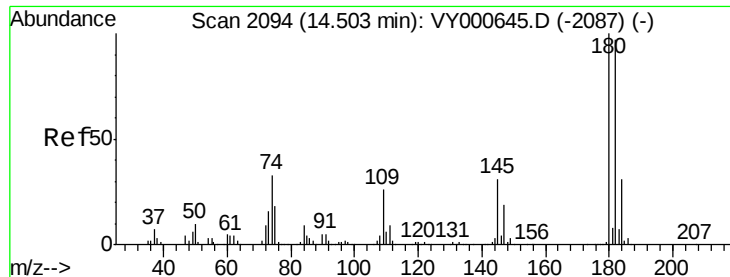
Tgt Ion: 146 Resp: 27741
 Ion Ratio Lower Upper
 146 100
 111 36.5 33.8 50.8
 148 58.6 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.839 ug/L
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.01 min
 Lab File: VY000649.D
 Acq: 12 Nov 2019 11:52

Tgt Ion: 75 Resp: 2723
 Ion Ratio Lower Upper
 75 100
 157 86.7 78.1 117.1
 155 74.1 64.2 96.4

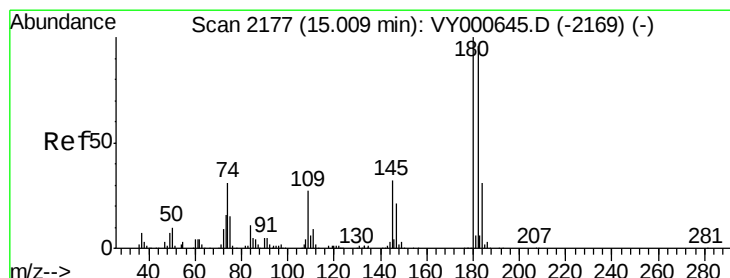
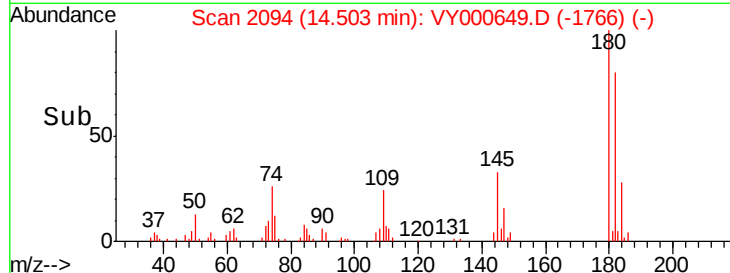
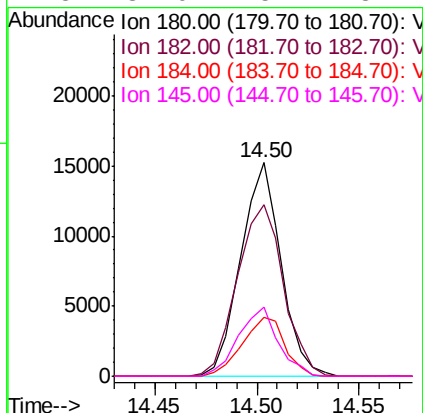
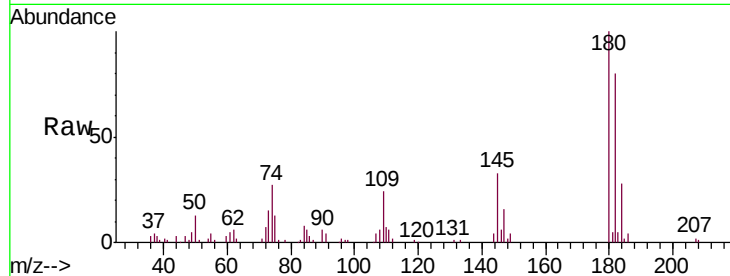




#67
 1,3,5-Trichlorobenzene
 Concen: 2.757 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY000649.D
 Acq: 12 Nov 2019 11:52

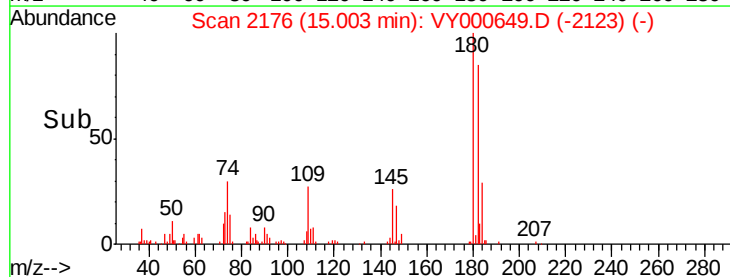
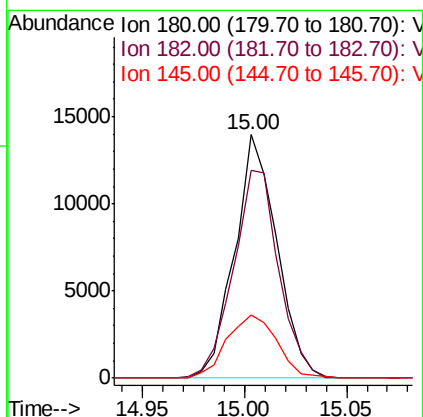
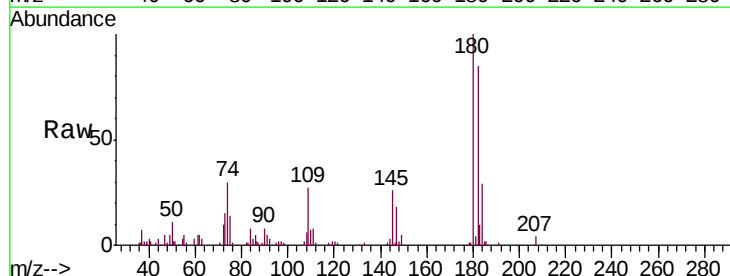
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

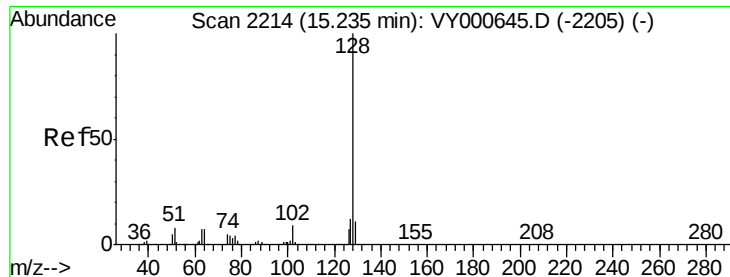
Tgt Ion:	180	Resp:	20946
Ion	Ratio	Lower	Upper
180	100		
182	91.4	75.6	113.4
184	28.9	24.5	36.7
145	32.0	25.1	37.7



#68
 1,2,4-trichlorobenzene
 Concen: 2.957 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY000649.D
 Acq: 12 Nov 2019 11:52

Tgt Ion:	180	Resp:	20078
Ion	Ratio	Lower	Upper
180	100		
182	91.5	77.5	116.3
145	30.7	25.4	38.2





#69

Naphthalene

Concen: 3.051 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000649.D

Acq: 12 Nov 2019 11:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.578

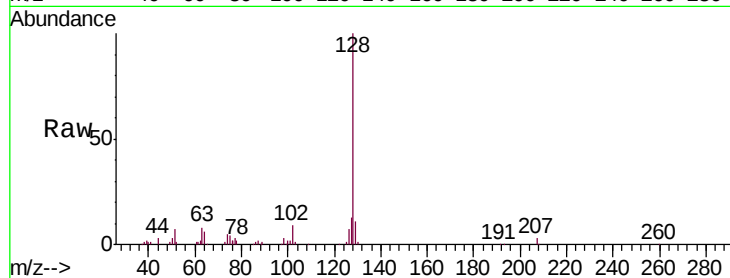
Tgt Ion:128 Resp: 51622

Ion Ratio Lower Upper

128 100

129 11.3 8.4 12.6

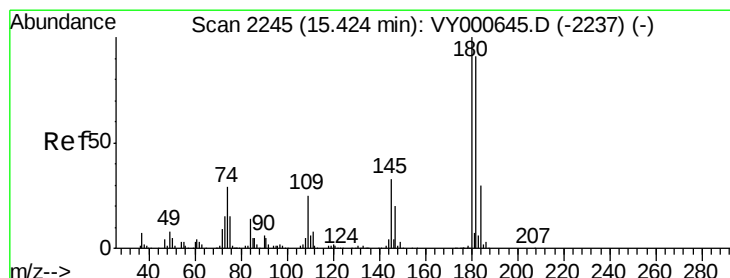
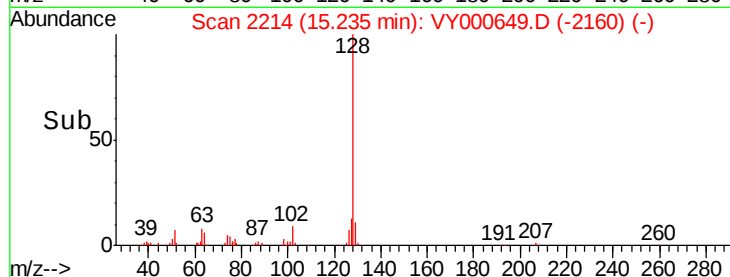
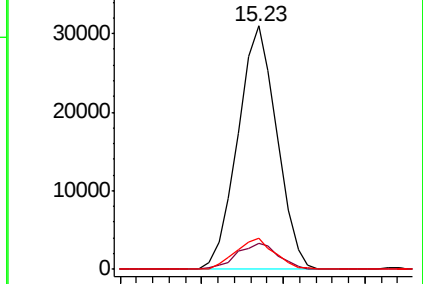
127 12.6 9.8 14.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 3.015 ug/L

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY000649.D

Acq: 12 Nov 2019 11:52

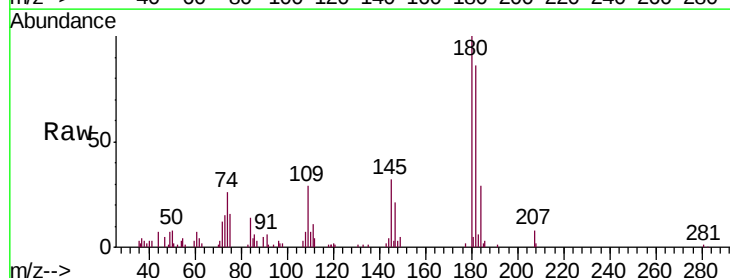
Tgt Ion:180 Resp: 19037

Ion Ratio Lower Upper

180 100

182 87.9 76.2 114.4

145 32.5 26.6 39.8



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

