

Data File : VV010450.D
Acq On : 23 Apr 2019 13:11
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

Quant Time: Apr 24 02:13:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 24 02:09:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	692400	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	632979	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	307255	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	156469	16.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.60%
7) Chloroethane-d5	1.56	69	127249	17.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.60%
10) 1,1-Dichloroethene-d2	2.12	63	350288	19.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.68%
20) 2-Butanone-d5	3.92	46	106381	47.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.38%
24) Chloroform-d	4.39	84	361767	21.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.52%
26) 1,2-Dichloroethane-d4	5.07	65	210361	20.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.08%
29) Benzene-d6	5.09	84	813227	27.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.32%
33) 1,2-Dichloropropane-d6	6.11	67	219357	25.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.80%
37) Toluene-d8	7.36	98	792680	26.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.32%
38) trans-1,3-Dichloropropene-	7.66	79	102145	24.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.24%
39) 2-Hexanone-d5	8.13	63	85007	49.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.28%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	210304	25.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.16%
61) 1,2-Dichlorobenzene-d4	11.67	152	300149	25.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	234964	22.249 ug/L	99
3) Chloromethane	1.24	50	182793	20.862 ug/L	98
5) Vinyl chloride	1.31	62	189387	18.293 ug/L	100
6) Bromomethane	1.50	94	88985	16.488 ug/L	99
8) Chloroethane	1.58	64	104814	18.007 ug/L	100
9) Trichlorofluoromethane	1.75	101	351062	19.849 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	207622	20.966 ug/L	97
12) 1,1-Dichloroethene	2.13	96	179529	20.591 ug/L	93
13) Acetone	2.18	43	84508	35.348 ug/L	96
14) Carbon disulfide	2.31	76	420957	21.604 ug/L	99
15) Methyl Acetate	2.45	43	77386	21.747 ug/L	99
16) Methylene chloride	2.53	84	182748	17.998 ug/L	98
17) Methyl tert-butyl Ether	2.79	73	453353	21.935 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	171846	22.284 ug/L	99
19) 1,1-Dichloroethane	3.22	63	307113	22.286 ug/L	98
21) 2-Butanone	4.01	43	113862	44.686 ug/L	98
22) cis-1,2-Dichloroethene	3.95	96	198969	22.887 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	95214	22.701	ug/L	96
25) Chloroform	4.42	83	365715	22.087	ug/L	100
27) 1,2-Dichloroethane	5.17	62	246837	21.253	ug/L #	95
30) Cyclohexane	4.72	56	305121	27.208	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	353216	26.109	ug/L	97
32) Carbon tetrachloride	4.87	117	327546	25.544	ug/L	99
34) Benzene	5.14	78	800715	28.618	ug/L	100
35) Trichloroethene	5.95	95	228986	26.987	ug/L	95
36) Methylcyclohexane	6.17	83	346794	27.359	ug/L	98
40) 1,2-Dichloropropane	6.22	63	189878	27.575	ug/L	99
41) Bromodichloromethane	6.55	83	266823	25.123	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	313945	27.610	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	247854	48.469	ug/L	95
44) Toluene	7.43	91	906499	26.811	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	263014	25.333	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	171206	27.722	ug/L	99
47) Tetrachloroethene	8.02	164	214422	28.470	ug/L	97
49) 2-Hexanone	8.18	43	161176	44.395	ug/L #	88
50) Dibromochloromethane	8.29	129	221721	26.632	ug/L	98
51) 1,2-Dibromoethane	8.39	107	173170	26.725	ug/L	97
52) Chlorobenzene	8.92	112	628159	26.500	ug/L	96
53) Ethylbenzene	9.05	91	1010519	25.562	ug/L	99
54) m,p-Xylene	9.18	106	398219	25.696	ug/L	91
55) o-xylene	9.59	106	378940	24.548	ug/L	99
56) Styrene	9.60	104	621227	24.391	ug/L	94
57) Isopropylbenzene	9.97	105	1032038	24.746	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	197752	24.717	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	140196	23.651	ug/L	99
62) Bromoform	9.77	173	130723	28.408	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	491186	27.336	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	488913	26.579	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	460293	26.360	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	26263	22.693	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.69	180	390095	27.167	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	303419	28.012	ug/L	98
69) Naphthalene	13.55	128	490413	28.170	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	282585	28.186	ug/L	99

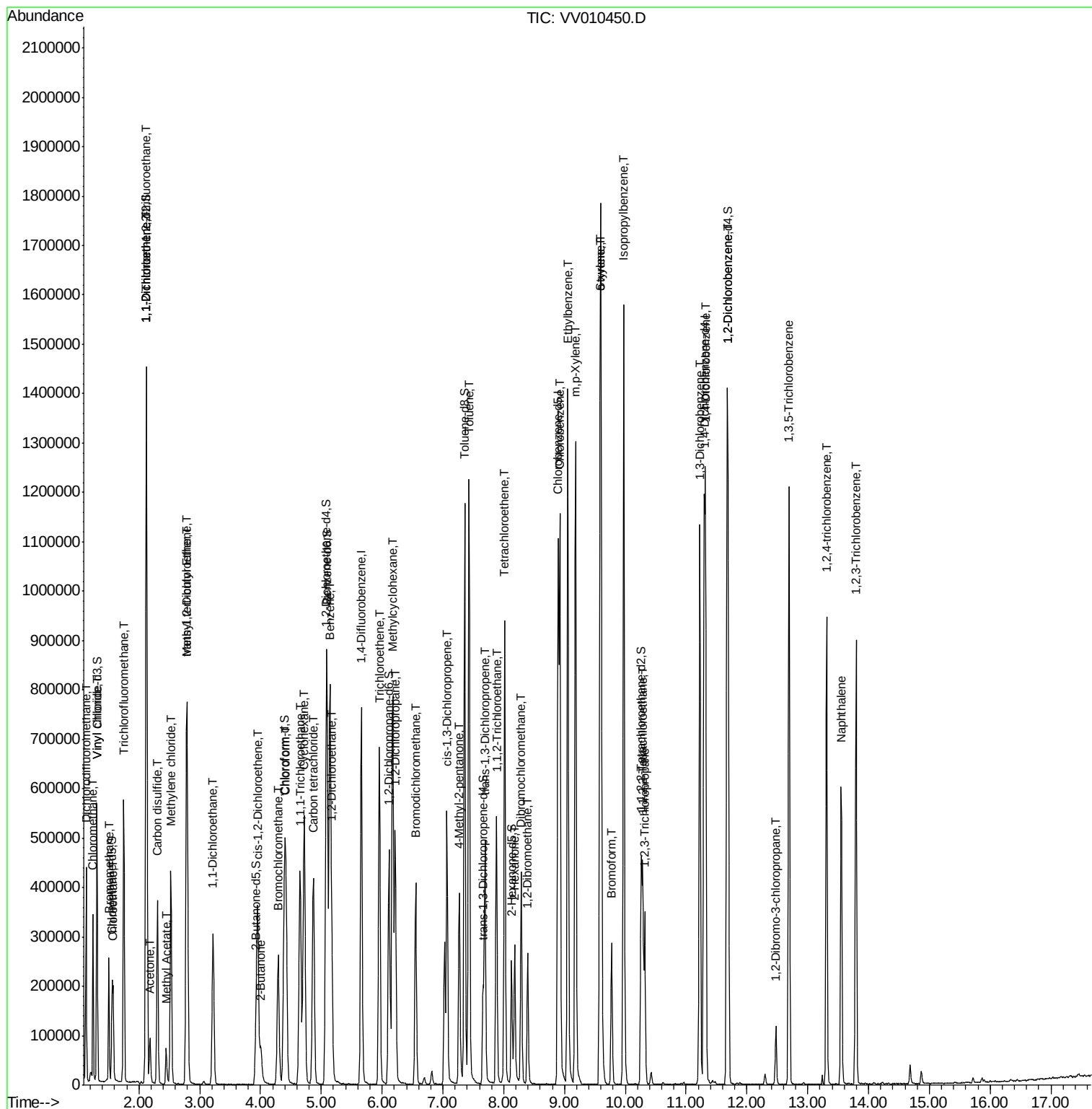
(#) = qualifier out of range (m) = manual integration (+) = signals summed

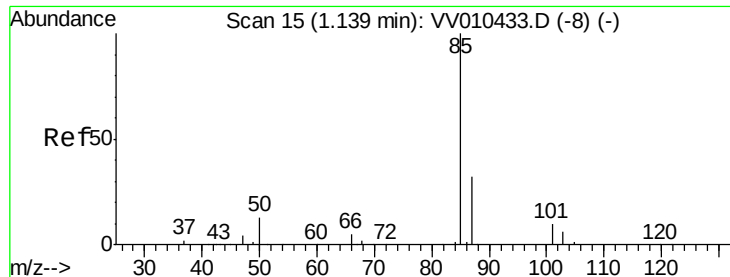
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#2

Dichlorodifluoromethane

Concen: 22.249 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.01 min

Lab File: VV010450.D

Acq: 23 Apr 2019 13:11

Instrument :

MSVOA_V

ClientSampleId :

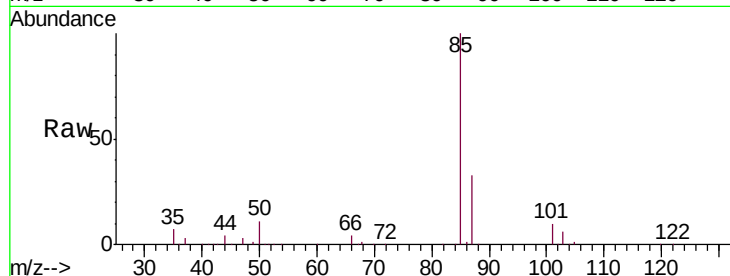
VSTD02579

Tgt Ion: 85 Resp: 234964

Ion Ratio Lower Upper

85 100

87 33.5 23.0 42.6



Abundance Ion 85.00 (84.70 to 85.70): VV010433.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV010433.D (-8) (-)

1.13

250000

200000

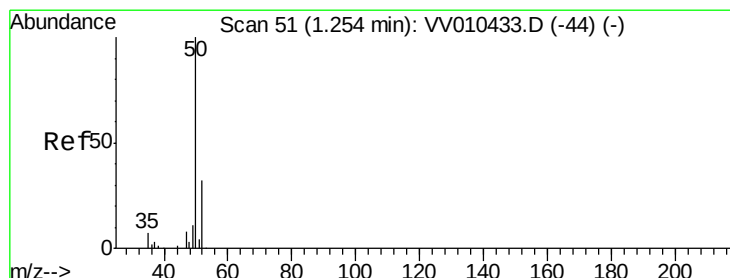
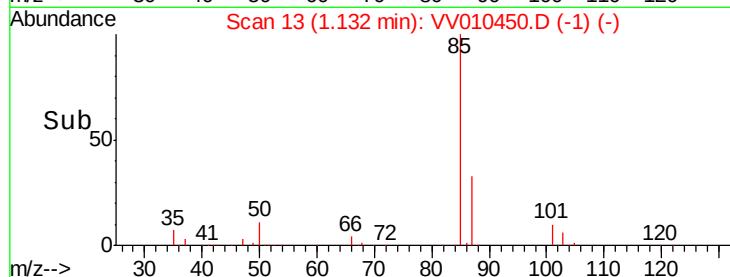
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 20.862 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.01 min

Lab File: VV010450.D

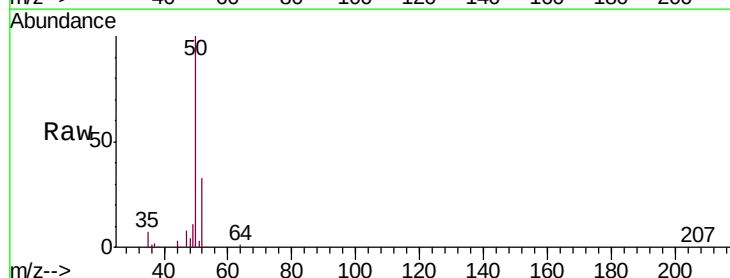
Acq: 23 Apr 2019 13:11

Tgt Ion: 50 Resp: 182793

Ion Ratio Lower Upper

50 100

52 33.0 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VV010433.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV010433.D (-44) (-)

1.24

200000

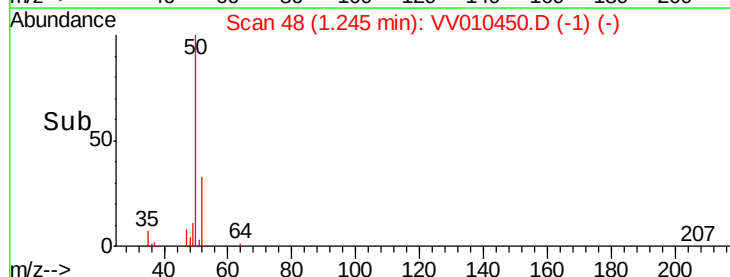
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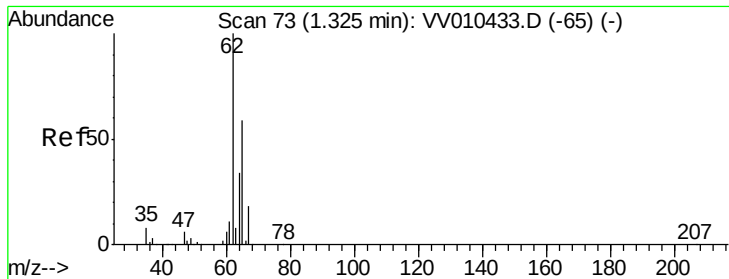
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 18.293 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VV010450.D

Acq: 23 Apr 2019 13:11

Instrument :

MSVOA_V

ClientSampleId :

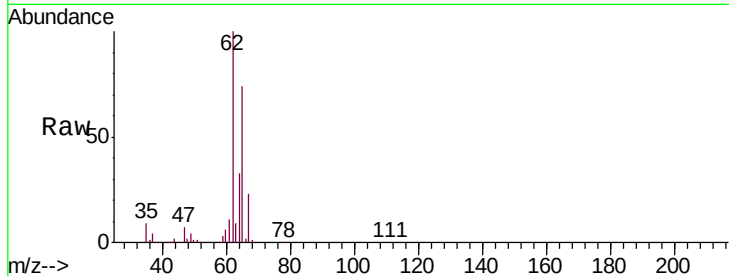
VSTD02579

Tgt Ion: 62 Resp: 189387

Ion Ratio Lower Upper

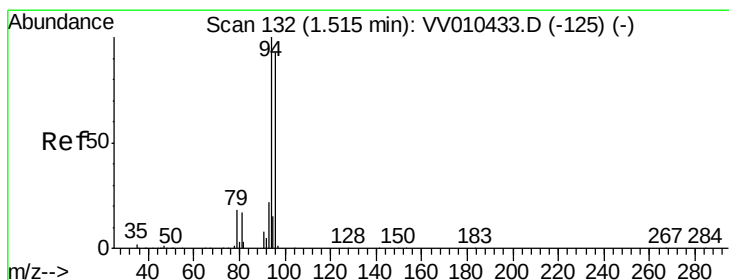
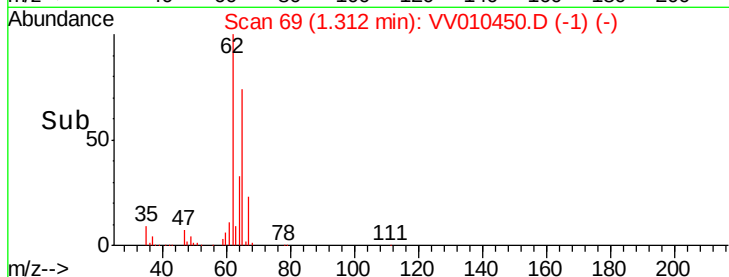
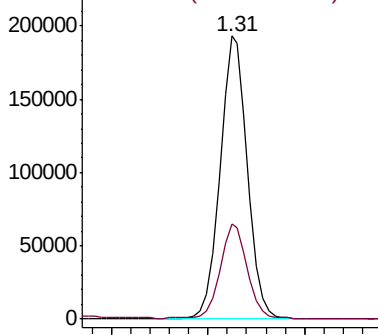
62 100

64 33.5 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 16.488 ug/L

RT: 1.50 min Scan# 129

Delta R.T. -0.01 min

Lab File: VV010450.D

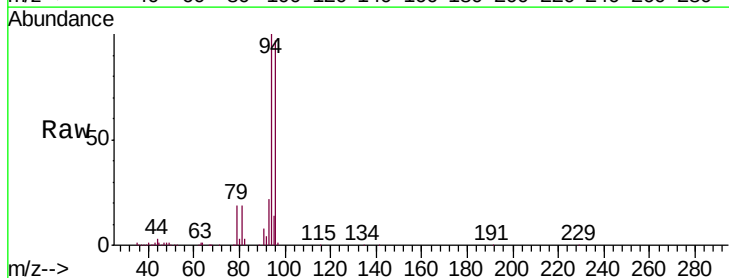
Acq: 23 Apr 2019 13:11

Tgt Ion: 94 Resp: 88985

Ion Ratio Lower Upper

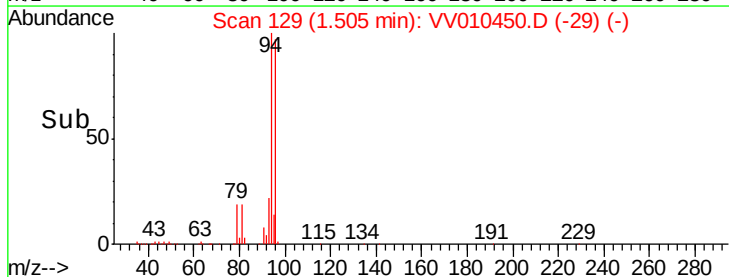
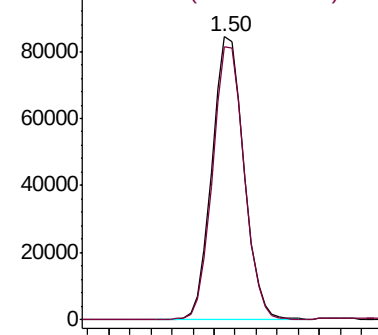
94 100

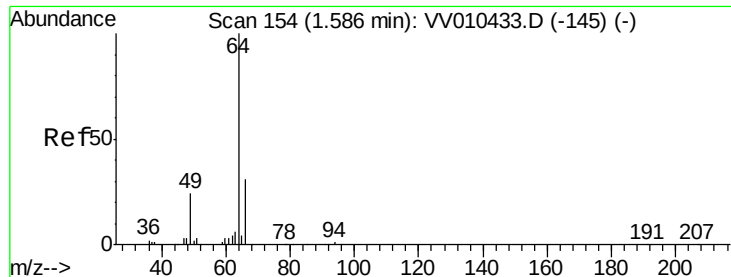
96 95.9 9.5 180.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 18.007 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.01 min

Lab File: VV010450.D

Acq: 23 Apr 2019 13:11

Instrument :

MSVOA_V

ClientSampleId :

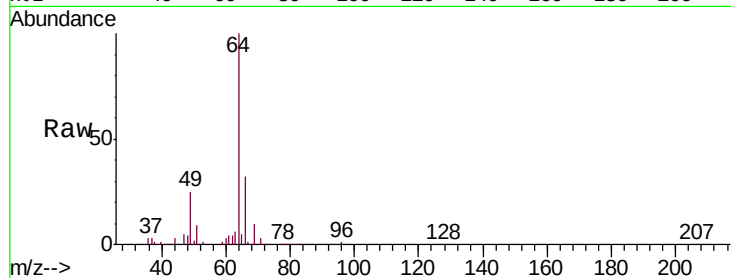
VSTD02579

Tgt Ion: 64 Resp: 104814

Ion Ratio Lower Upper

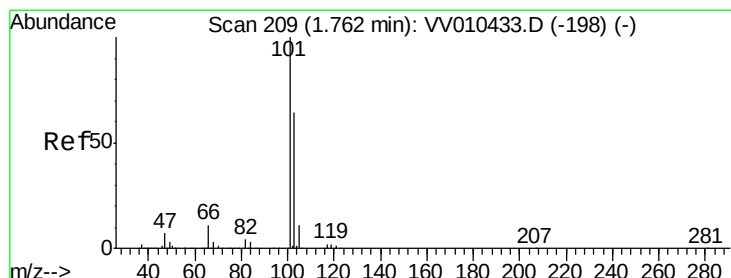
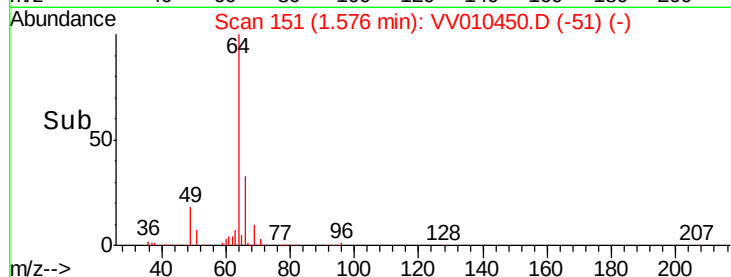
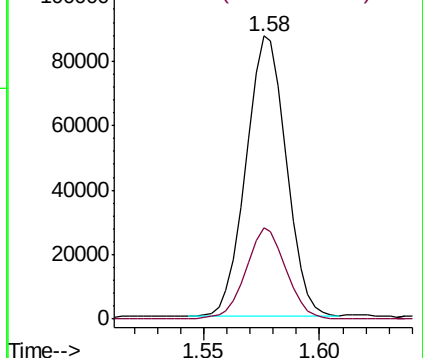
64 100

66 32.3 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV010433.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV010433.D (-145) (-)



#9

Trichlorofluoromethane

Concen: 19.849 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.01 min

Lab File: VV010450.D

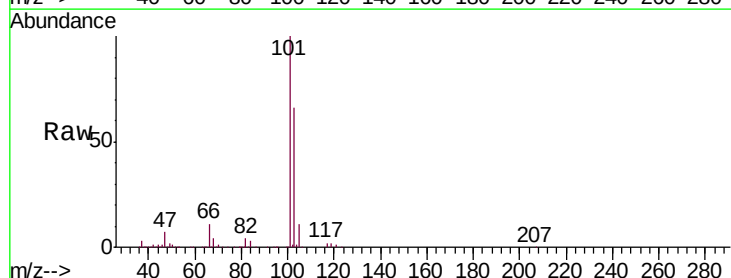
Acq: 23 Apr 2019 13:11

Tgt Ion: 101 Resp: 351062

Ion Ratio Lower Upper

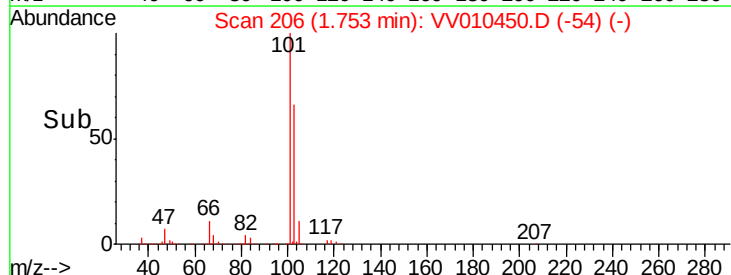
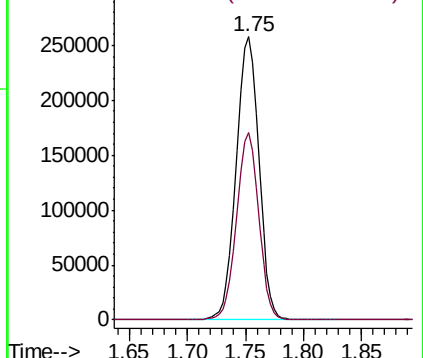
101 100

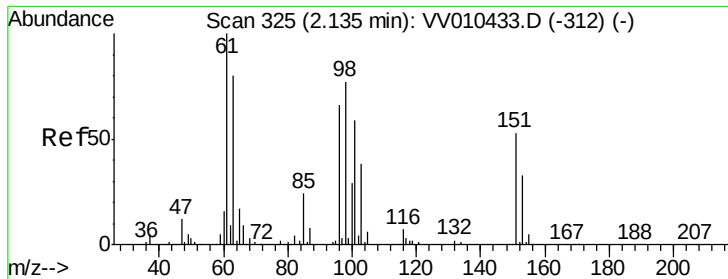
103 64.2 45.4 84.2



Abundance Ion 101.00 (100.70 to 101.70): VV010433.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV010433.D (-198) (-)





#11

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

Concen: 20.966 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV010450.D

Acq: 23 Apr 2019 13:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

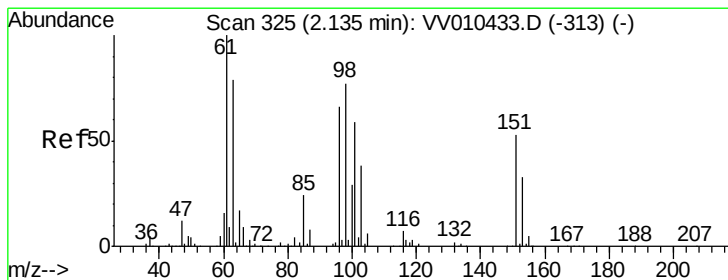
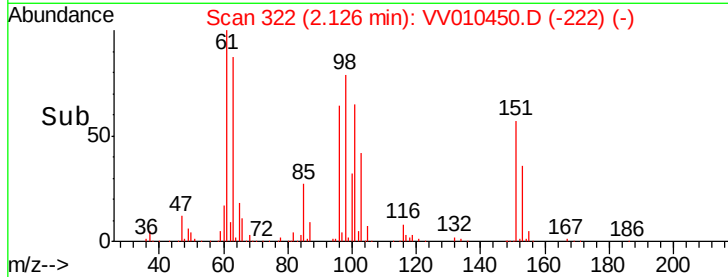
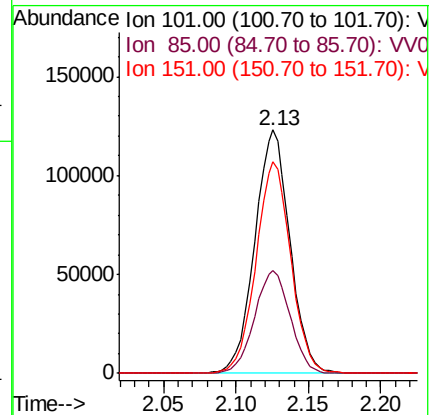
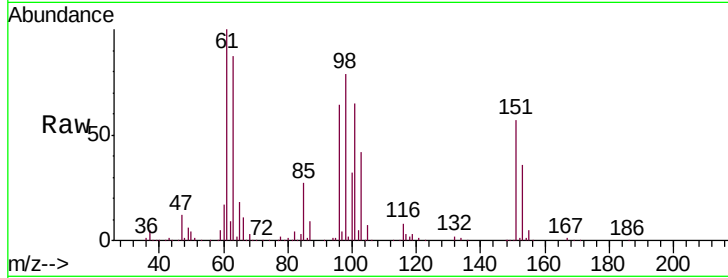
Tgt Ion: 101 Resp: 207622

Ion Ratio Lower Upper

101 100

85 42.8 31.8 47.6

151 86.1 70.9 106.3



#12

1,1-Dichloroethene

Concen: 20.591 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV010450.D

Acq: 23 Apr 2019 13:11

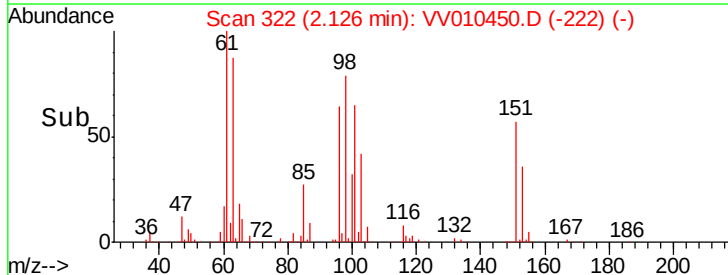
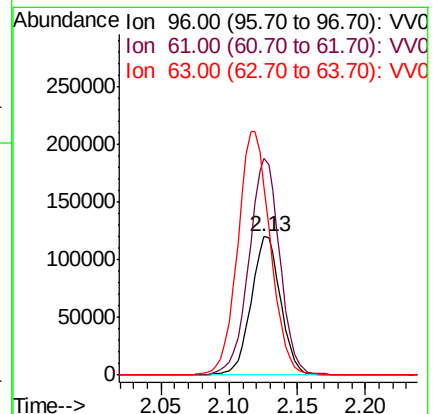
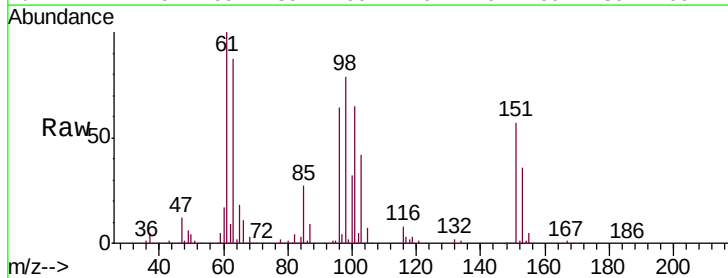
Tgt Ion: 96 Resp: 179529

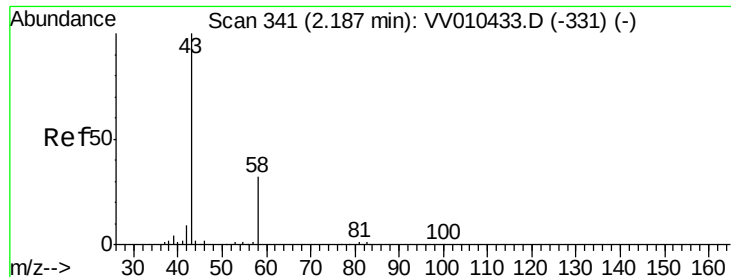
Ion Ratio Lower Upper

96 100

61 157.2 105.3 195.5

63 136.9 87.8 163.2





#13

Acetone

Concen: 35.348 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV010450.D

Acq: 23 Apr 2019 13:11

Instrument :

MSVOA_V

ClientSampleId :

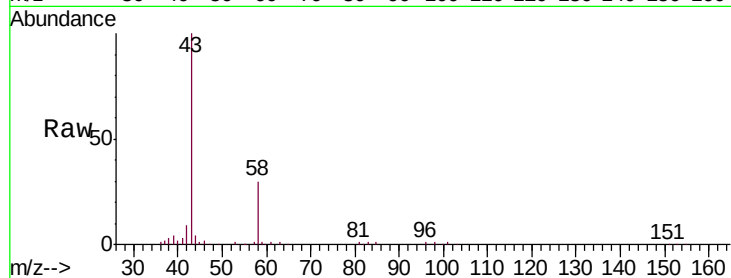
VSTD02579

Tgt Ion: 43 Resp: 84508

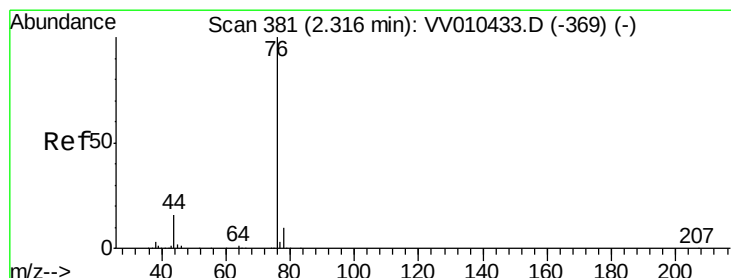
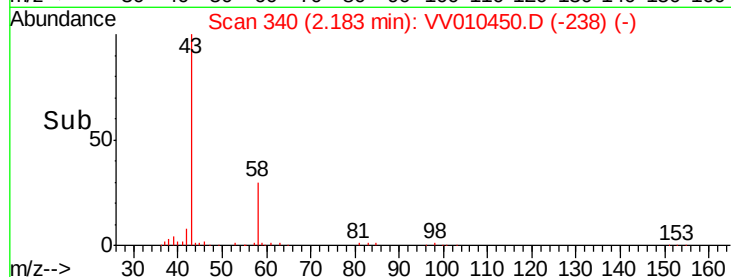
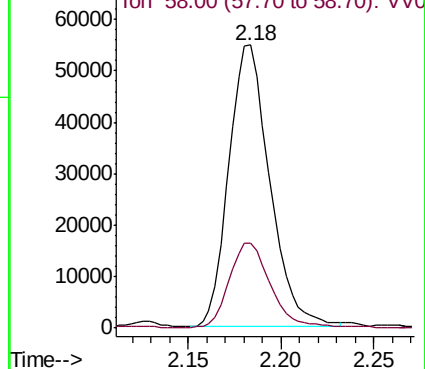
Ion Ratio Lower Upper

43 100

58 30.7 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VV010433.D (-331) (-)



#14

Carbon disulfide

Concen: 21.604 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

Lab File: VV010450.D

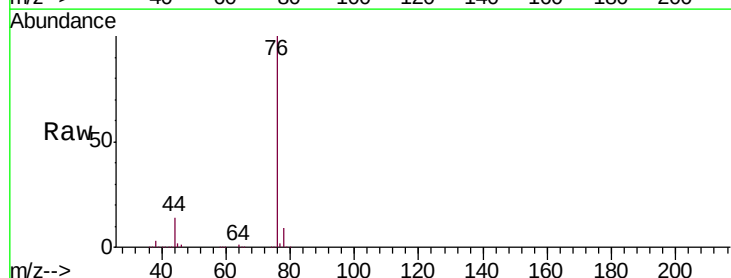
Acq: 23 Apr 2019 13:11

Tgt Ion: 76 Resp: 420957

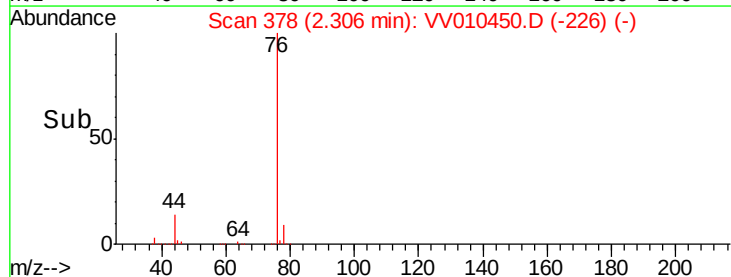
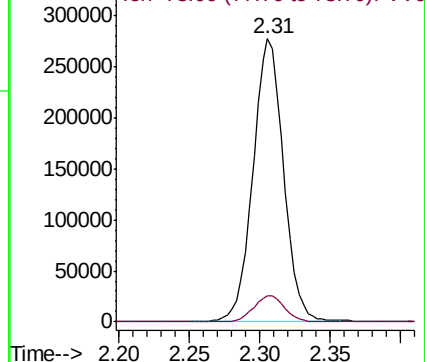
Ion Ratio Lower Upper

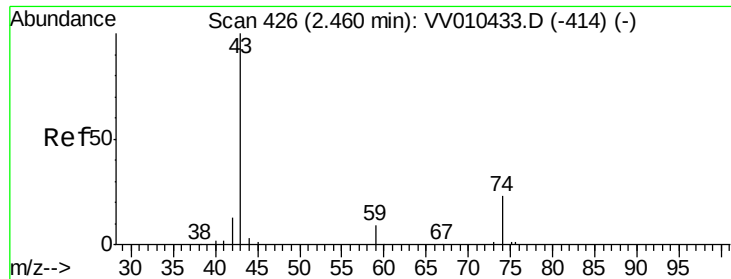
76 100

78 9.1 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV010433.D (-369) (-)

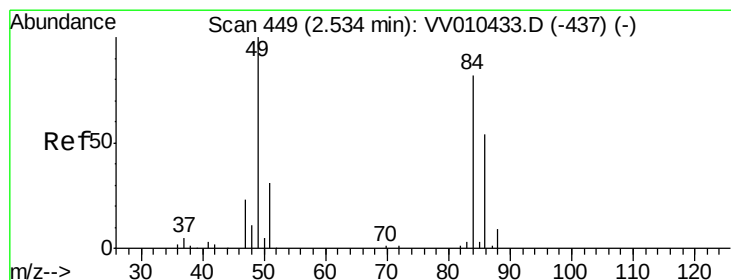
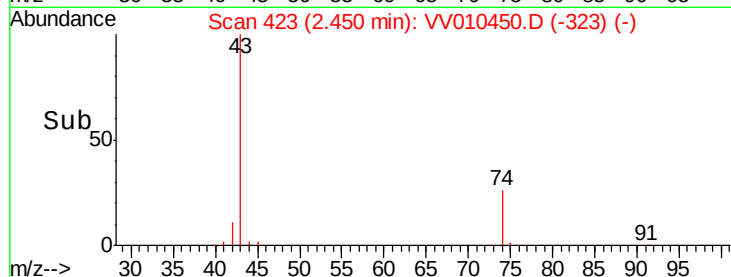
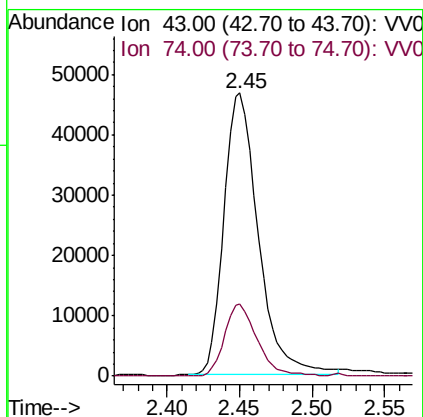
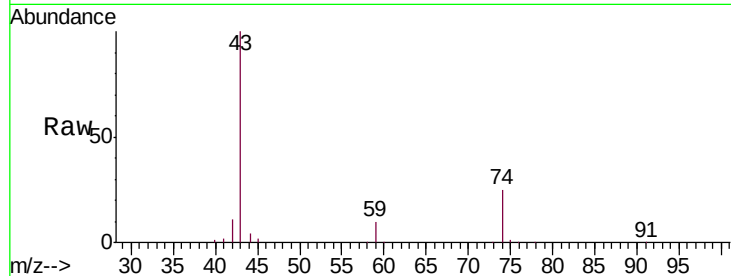




#15
Methyl Acetate
Concen: 21.747 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.01 min
Lab File: VV010450.D
Acq: 23 Apr 2019 13:11

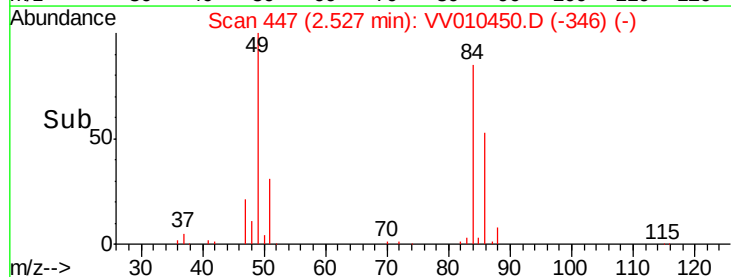
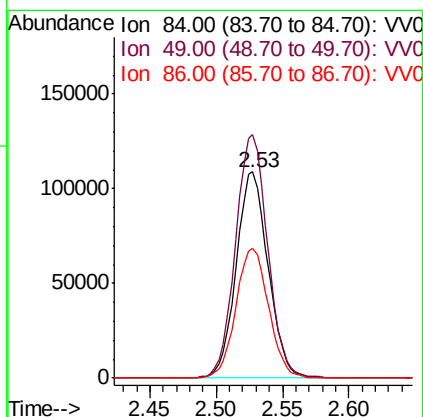
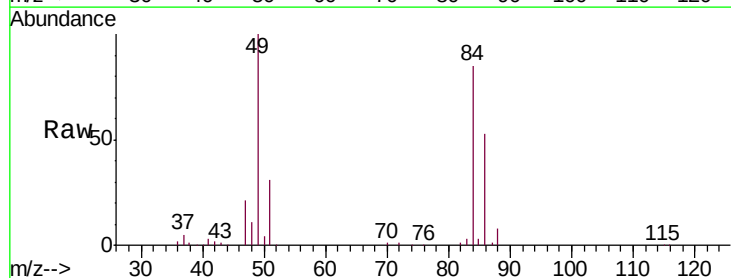
Instrument :
MSVOA_V
ClientSampled :
VSTD02579

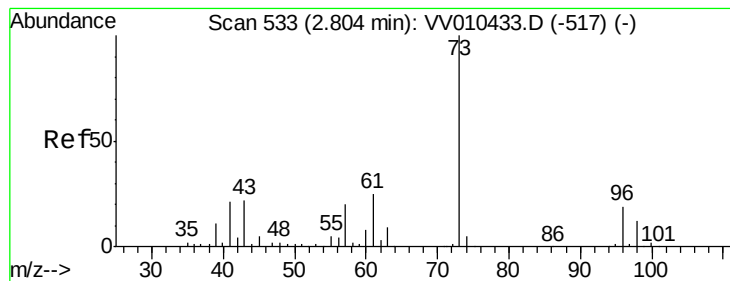
Tgt Ion: 43 Resp: 77386
Ion Ratio Lower Upper
43 100
74 24.2 19.8 29.6



#16
Methylene chloride
Concen: 17.998 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.01 min
Lab File: VV010450.D
Acq: 23 Apr 2019 13:11

Tgt Ion: 84 Resp: 182748
Ion Ratio Lower Upper
84 100
49 118.0 85.0 158.0
86 63.0 43.9 81.5





#17

Methyl tert-butyl Ether

Concen: 21.935 ug/L

RT: 2.79 min Scan# 530

Delta R.T. -0.01 min

Lab File: VV010450.D

Acq: 23 Apr 2019 13:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

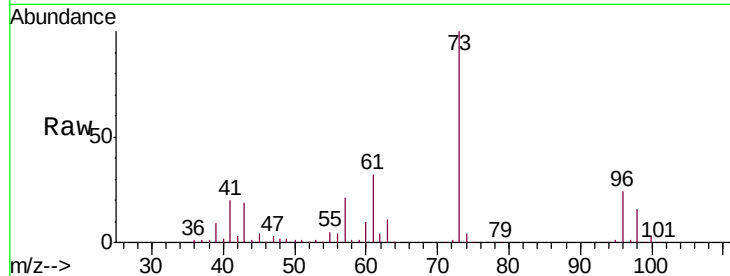
Tgt Ion: 73 Resp: 453353

Ion Ratio Lower Upper

73 100

43 19.7 16.8 25.2

57 20.9 16.1 24.1

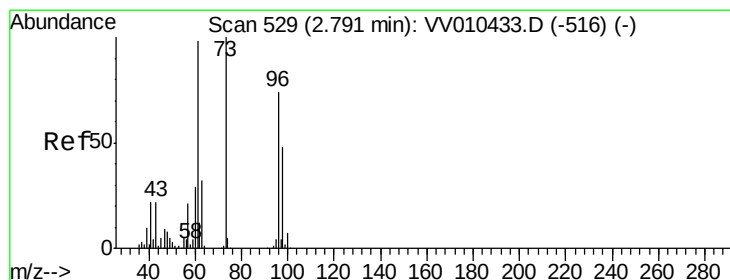
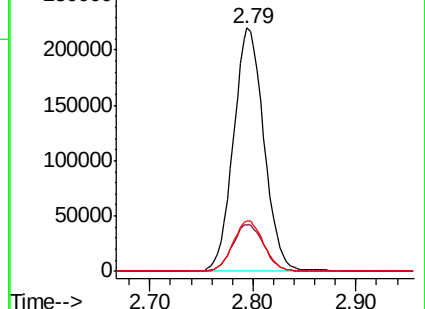
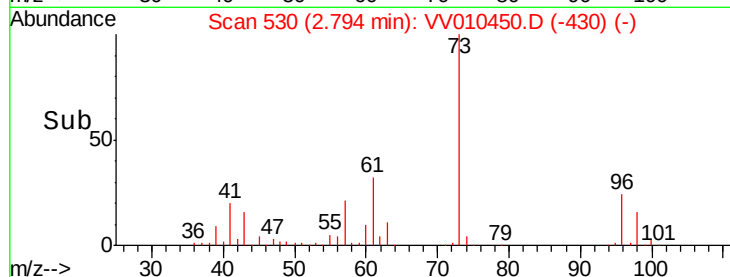


Abundance Ion 73.00 (72.70 to 73.70): VV010433.D (-517) (-)

Ion 43.00 (42.70 to 43.70): VV010433.D (-517) (-)

Ion 57.00 (56.70 to 57.70): VV010433.D (-517) (-)

Time-->



#18

trans-1,2-Dichloroethene

Concen: 22.284 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.01 min

Lab File: VV010450.D

Acq: 23 Apr 2019 13:11

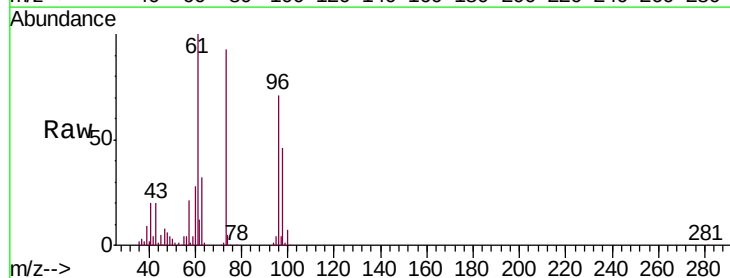
Tgt Ion: 96 Resp: 171846

Ion Ratio Lower Upper

96 100

61 140.0 98.6 183.0

98 64.1 45.7 84.9

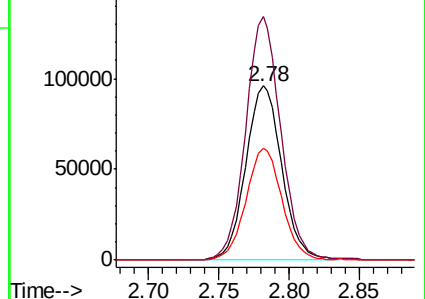
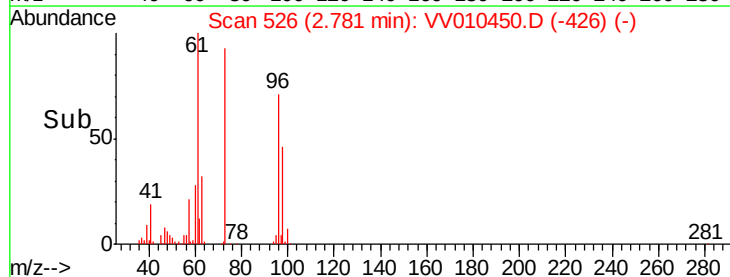


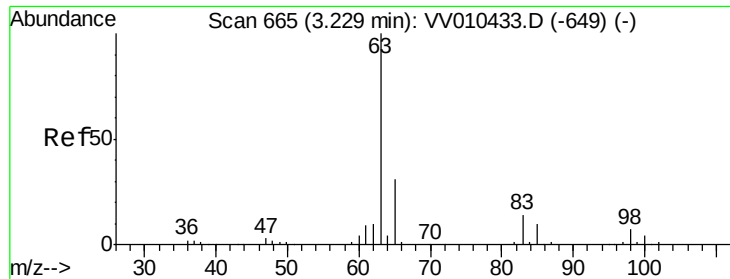
Abundance Ion 96.00 (95.70 to 96.70): VV010433.D (-516) (-)

Ion 61.00 (60.70 to 61.70): VV010433.D (-516) (-)

Ion 98.00 (97.70 to 98.70): VV010433.D (-516) (-)

Time-->

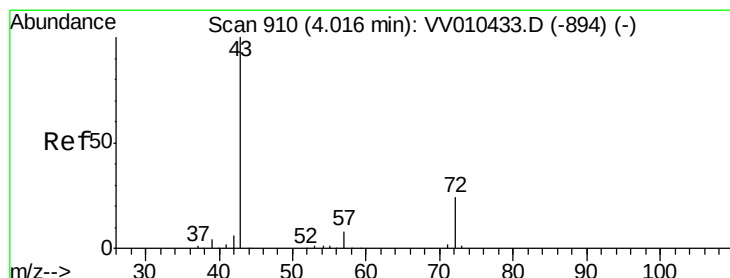
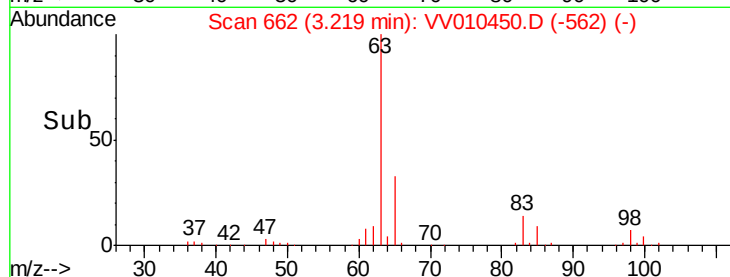
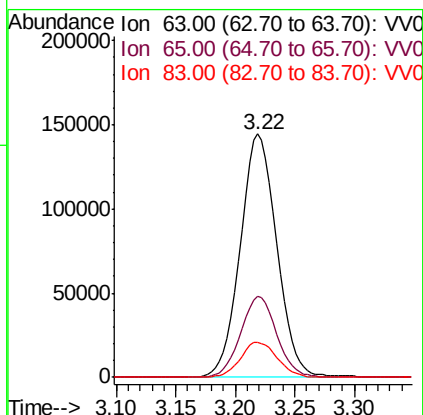
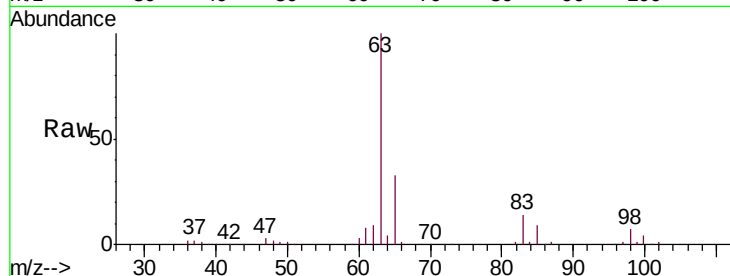




#19
 1,1-Dichloroethane
 Concen: 22.286 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: VV010450.D
 Acq: 23 Apr 2019 13:11

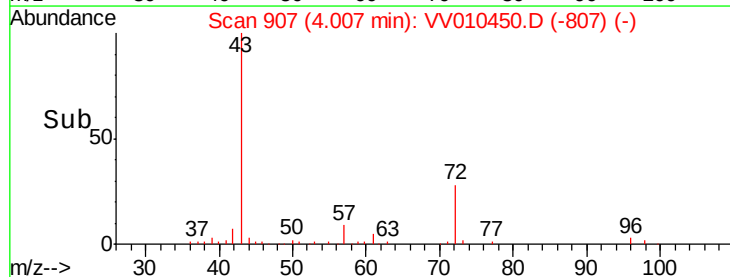
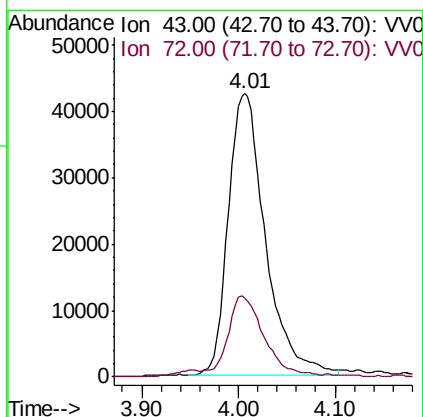
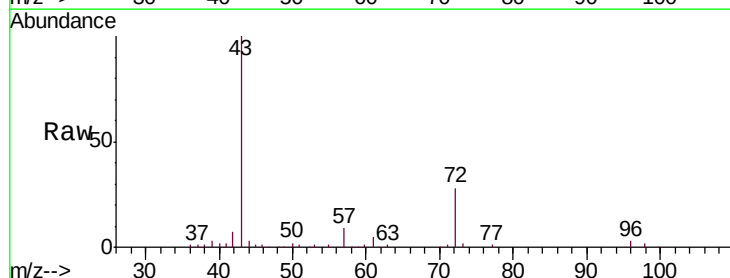
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

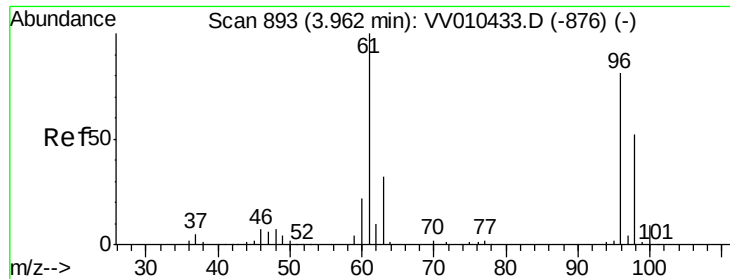
Tgt Ion: 63 Resp: 307113
 Ion Ratio Lower Upper
 63 100
 65 33.1 22.0 41.0
 83 14.3 9.8 18.2



#21
 2-Butanone
 Concen: 44.686 ug/L
 RT: 4.01 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: VV010450.D
 Acq: 23 Apr 2019 13:11

Tgt Ion: 43 Resp: 113862
 Ion Ratio Lower Upper
 43 100
 72 25.1 12.2 36.4



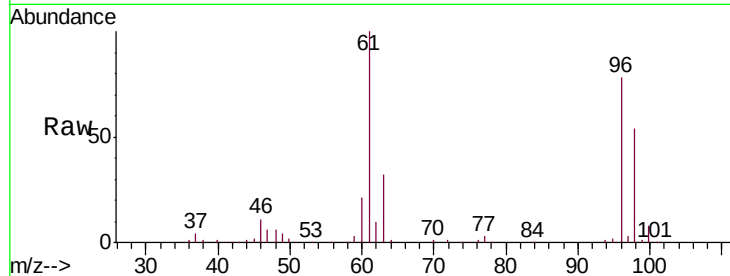


#22

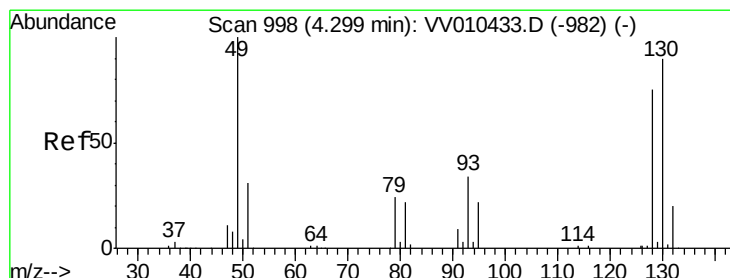
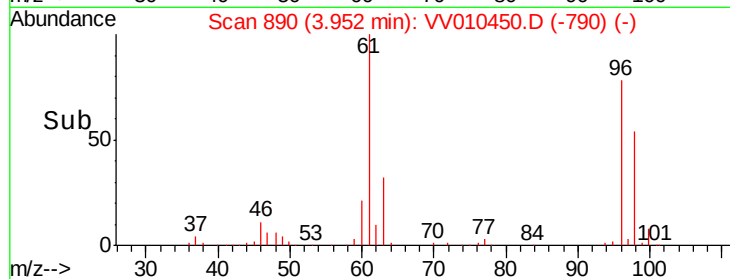
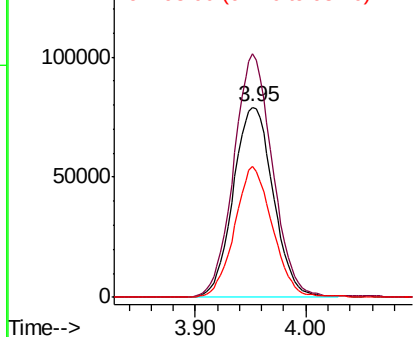
cis-1,2-Dichloroethene
 Concen: 22.887 ug/L
 RT: 3.95 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: VV010450.D
 Acq: 23 Apr 2019 13:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

Tgt Ion: 96 Resp: 198969
 Ion Ratio Lower Upper
 96 100
 61 128.0 86.7 161.1
 98 68.9 43.5 80.7



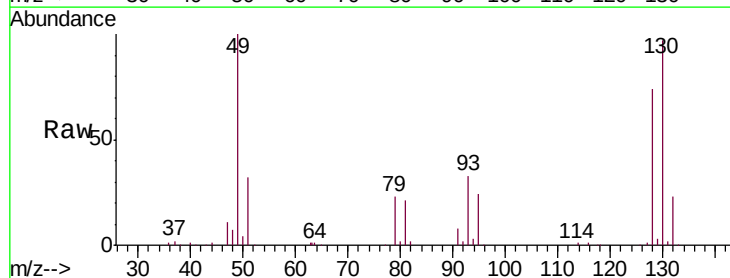
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



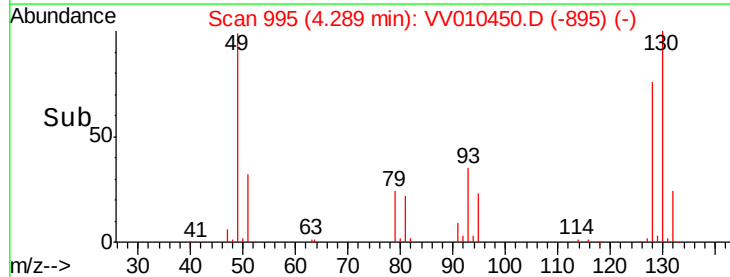
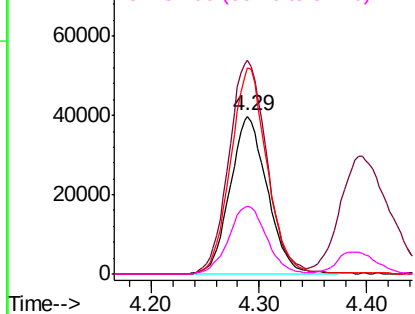
#23

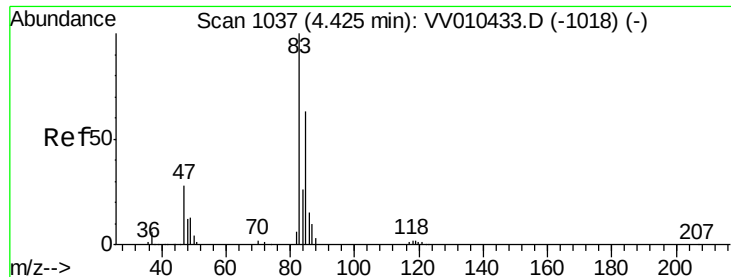
Bromochloromethane
 Concen: 22.701 ug/L
 RT: 4.29 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: VV010450.D
 Acq: 23 Apr 2019 13:11

Tgt Ion: 128 Resp: 95214
 Ion Ratio Lower Upper
 128 100
 49 135.4 93.7 174.1
 130 130.8 85.9 159.5
 51 43.1 32.2 48.4



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VV0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VV0

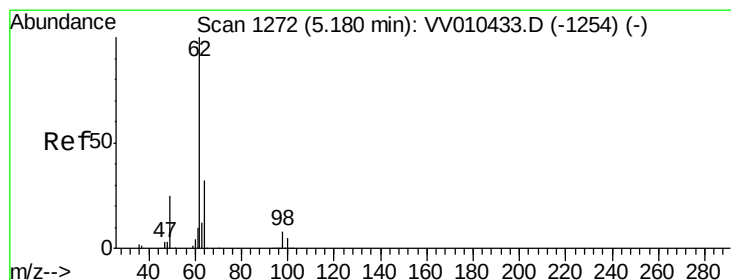
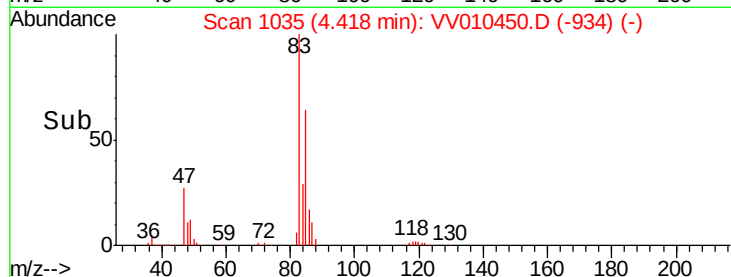
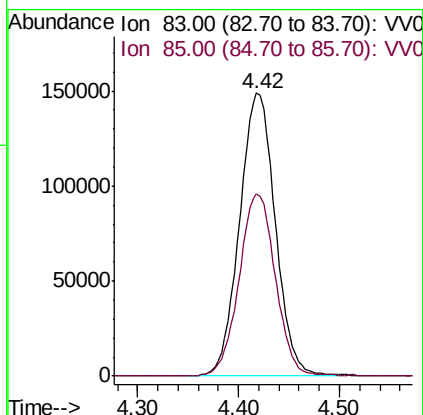
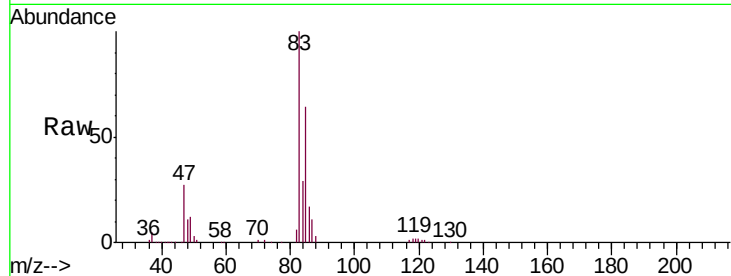




#25
Chloroform
Concen: 22.087 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VV010450.D
Acq: 23 Apr 2019 13:11

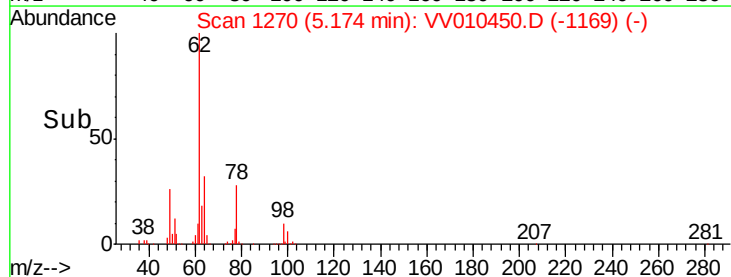
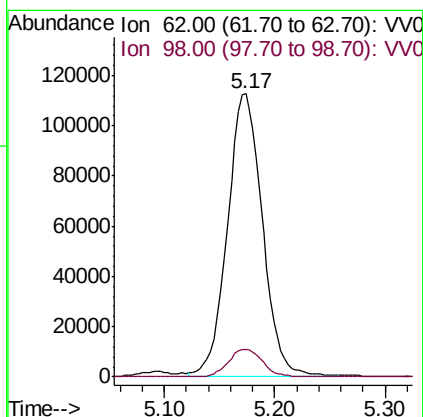
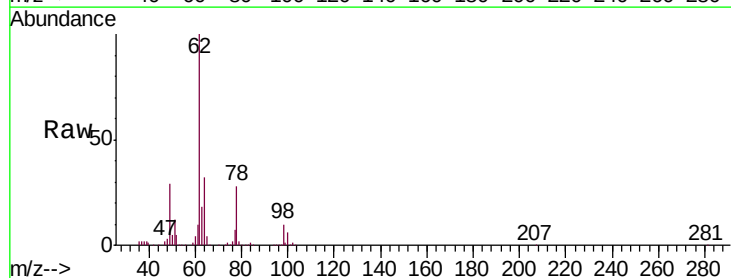
Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

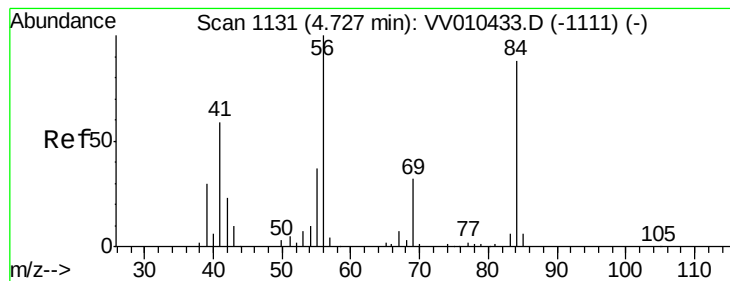
Tgt Ion: 83 Resp: 365715
Ion Ratio Lower Upper
83 100
85 65.5 46.1 85.5



#27
1,2-Dichloroethane
Concen: 21.253 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VV010450.D
Acq: 23 Apr 2019 13:11

Tgt Ion: 62 Resp: 246837
Ion Ratio Lower Upper
62 100
98 9.7 6.4 9.6#





#30

Cyclohexane

Concen: 27.208 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VV010450.D

Acq: 23 Apr 2019 13:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

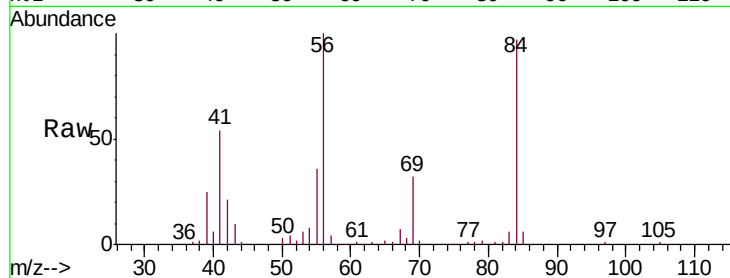
Tgt Ion: 56 Resp: 305121

Ion Ratio Lower Upper

56 100

69 32.1 25.9 38.9

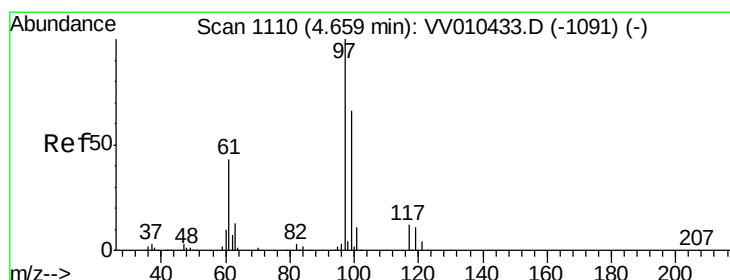
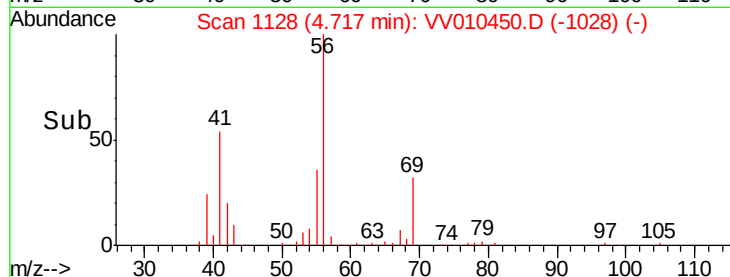
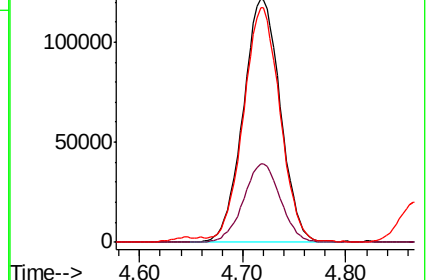
84 94.1 74.2 111.4



Abundance Ion 56.00 (55.70 to 56.70): VV010433.D (-1111) (-)

Ion 69.00 (68.70 to 69.70): VV010433.D (-1111) (-)

Ion 84.00 (83.70 to 84.70): VV010433.D (-1111) (-)



#31

1,1,1-Trichloroethane

Concen: 26.109 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VV010450.D

Acq: 23 Apr 2019 13:11

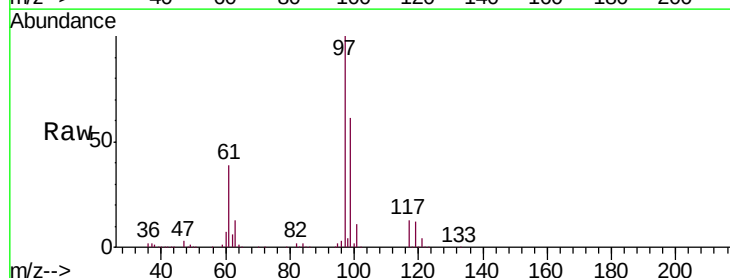
Tgt Ion: 97 Resp: 353216

Ion Ratio Lower Upper

97 100

99 63.8 50.7 76.1

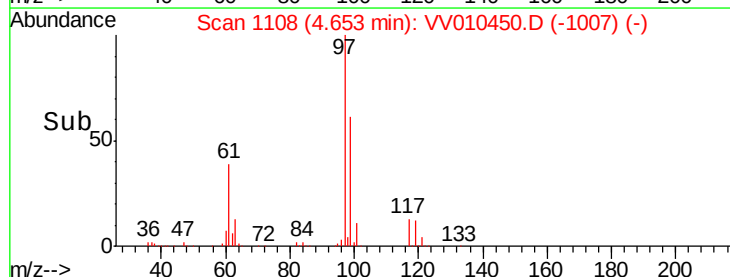
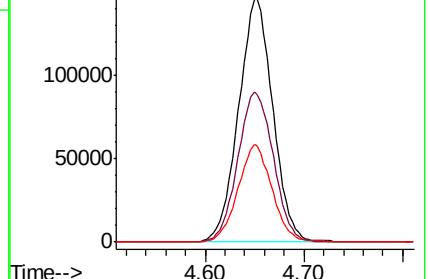
61 39.3 34.5 51.7

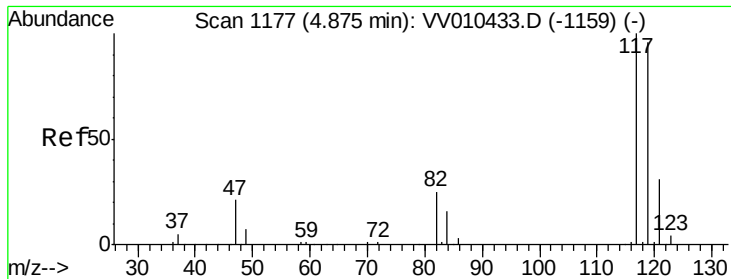


Abundance Ion 97.00 (96.70 to 97.70): VV010433.D (-1091) (-)

Ion 99.00 (98.70 to 99.70): VV010433.D (-1091) (-)

Ion 61.00 (60.70 to 61.70): VV010433.D (-1091) (-)





#32

Carbon tetrachloride

Concen: 25.544 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV010450.D

Acq: 23 Apr 2019 13:11

Instrument :

MSVOA_V

ClientSampleId :

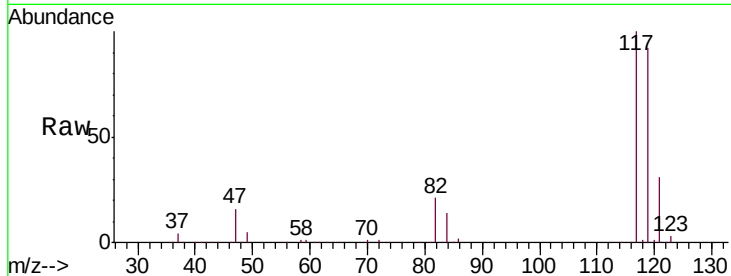
VSTD02579

Tgt Ion:117 Resp: 327546

Ion Ratio Lower Upper

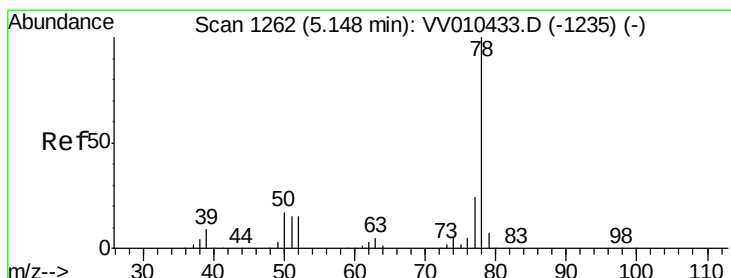
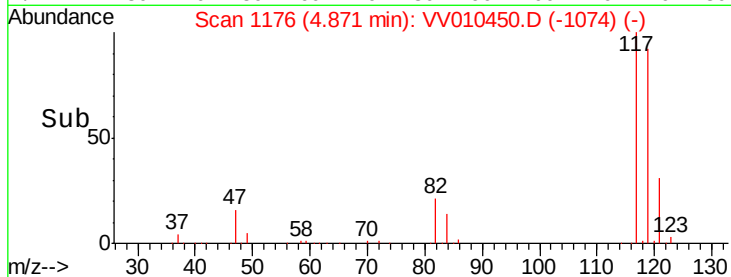
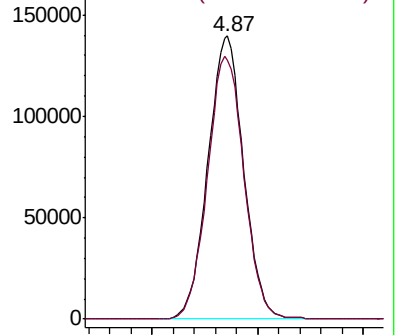
117 100

119 94.8 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 28.618 ug/L

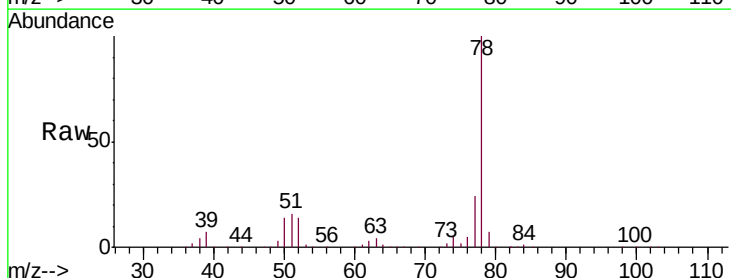
RT: 5.14 min Scan# 1260

Delta R.T. -0.01 min

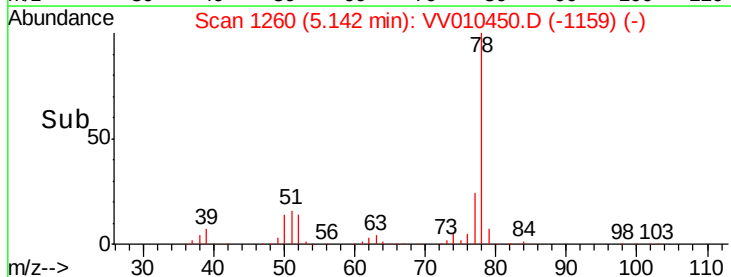
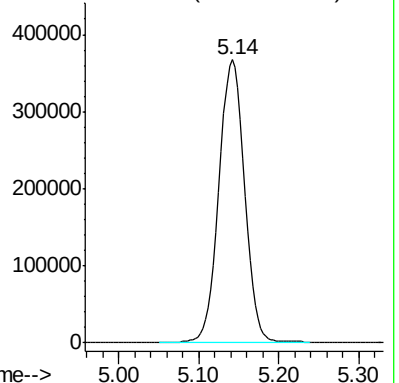
Lab File: VV010450.D

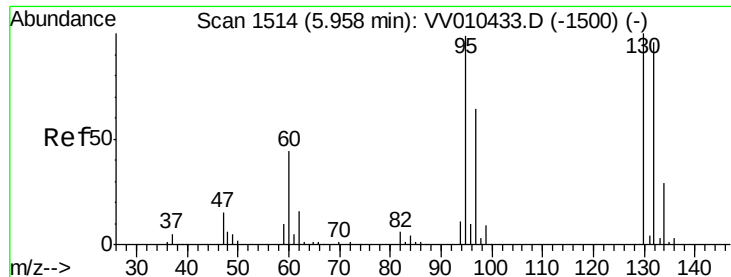
Acq: 23 Apr 2019 13:11

Tgt Ion: 78 Resp: 800715



Abundance Ion 78.00 (77.70 to 78.70): VV0

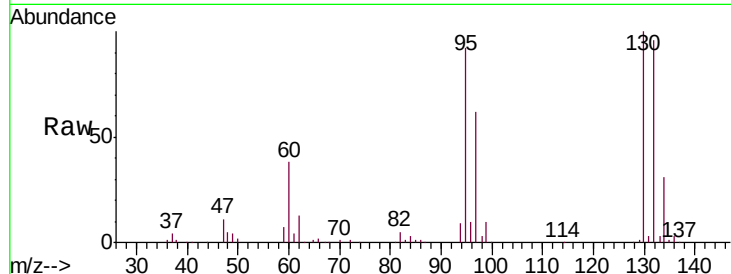




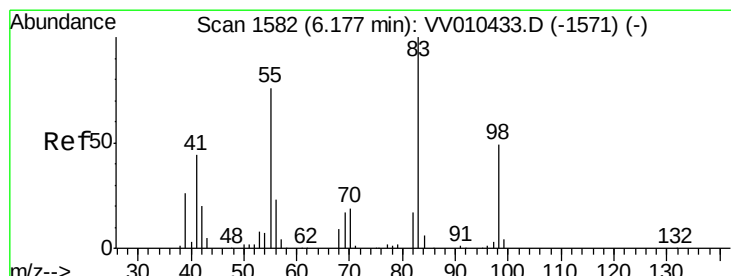
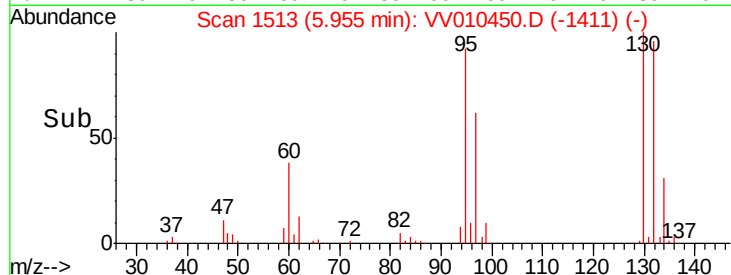
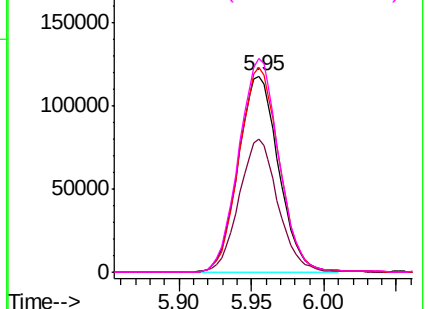
#35
 Trichloroethene
 Concen: 26.987 ug/L
 RT: 5.95 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV010450.D
 Acq: 23 Apr 2019 13:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

Tgt Ion: 95 Resp: 228986
 Ion Ratio Lower Upper
 95 100
 97 65.4 44.4 82.4
 132 103.9 69.0 128.1
 130 108.8 71.5 132.7

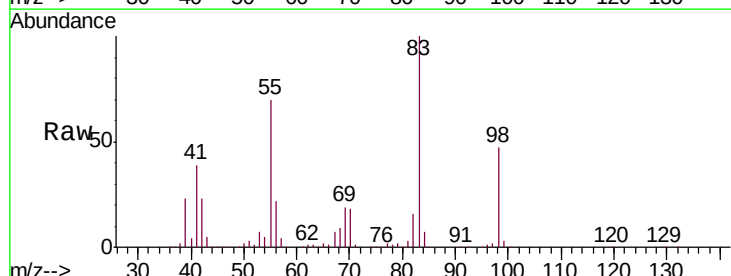


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

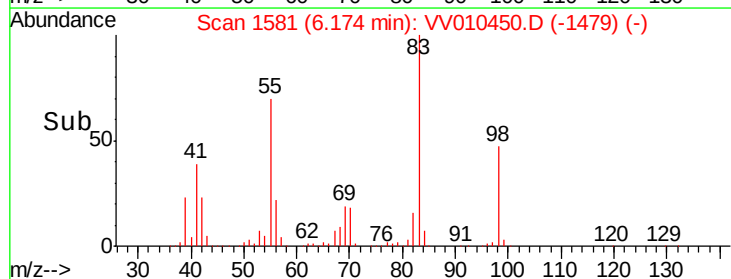
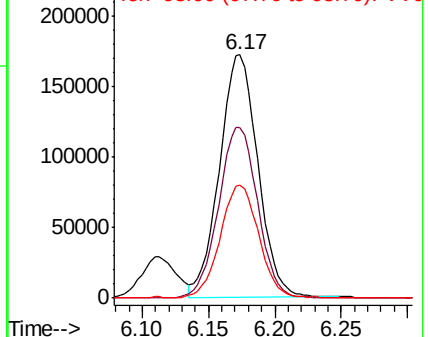


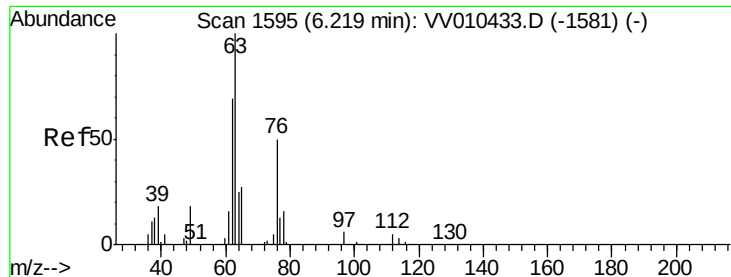
#36
 Methylcyclohexane
 Concen: 27.359 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV010450.D
 Acq: 23 Apr 2019 13:11

Tgt Ion: 83 Resp: 346794
 Ion Ratio Lower Upper
 83 100
 55 71.8 59.6 89.4
 98 47.0 38.0 57.0



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

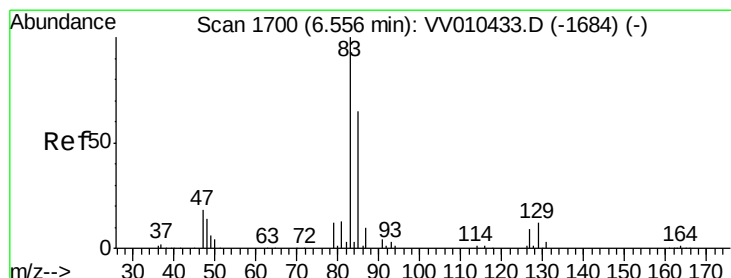
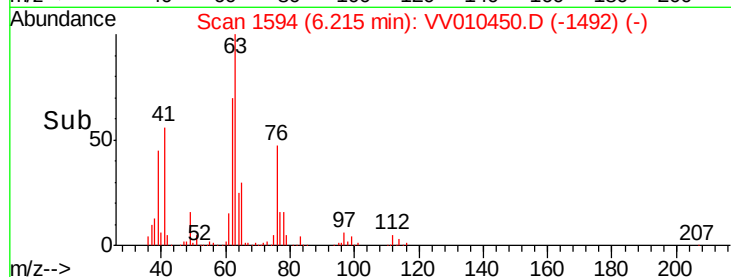
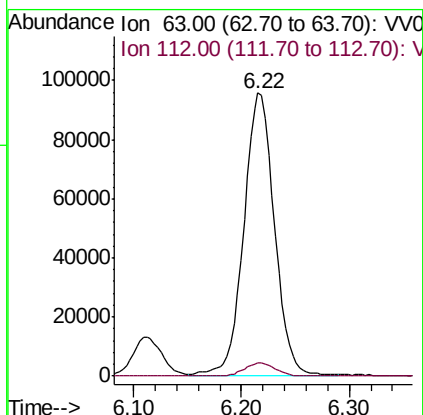
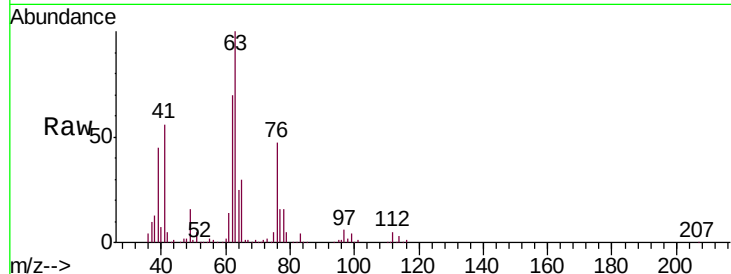




#40
 1,2-Dichloropropane
 Concen: 27.575 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV010450.D
 Acq: 23 Apr 2019 13:11

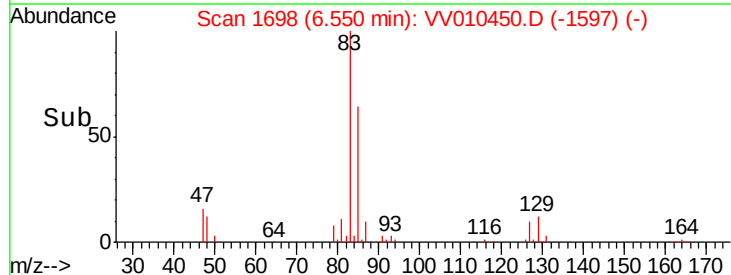
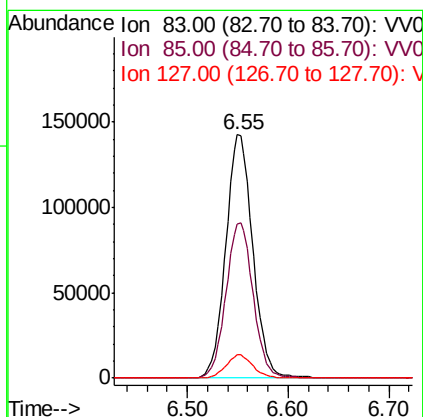
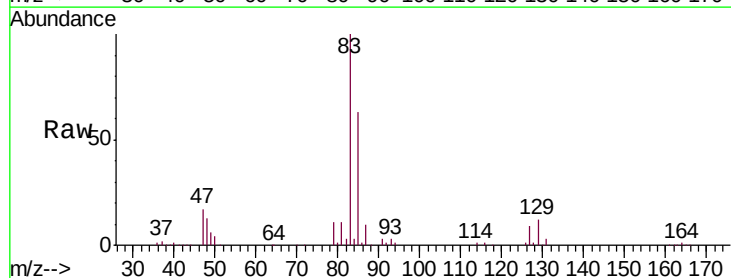
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

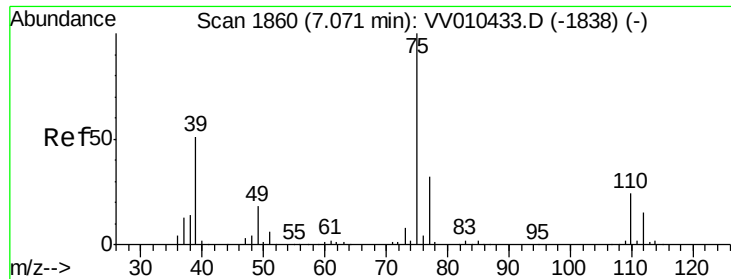
Tgt Ion: 63 Resp: 189878
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.5 5.3



#41
 Bromodichloromethane
 Concen: 25.123 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.01 min
 Lab File: VV010450.D
 Acq: 23 Apr 2019 13:11

Tgt Ion: 83 Resp: 266823
 Ion Ratio Lower Upper
 83 100
 85 63.3 45.1 83.9
 127 9.5 8.2 12.4

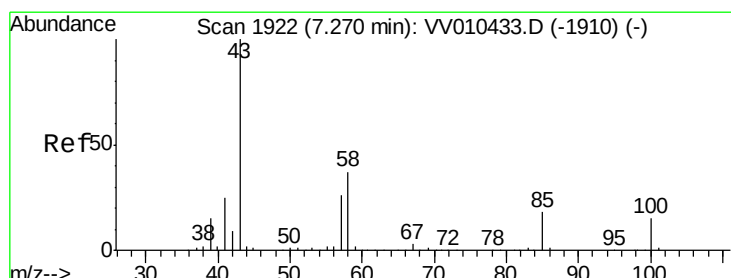
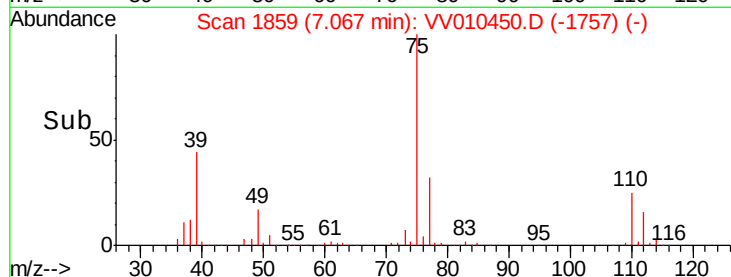
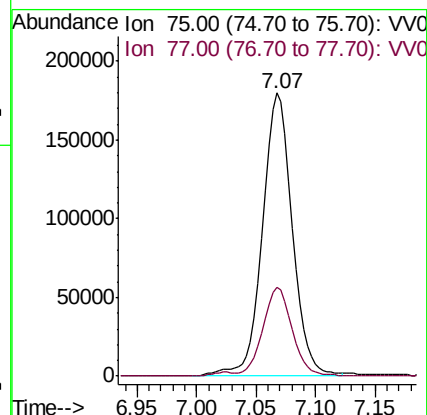
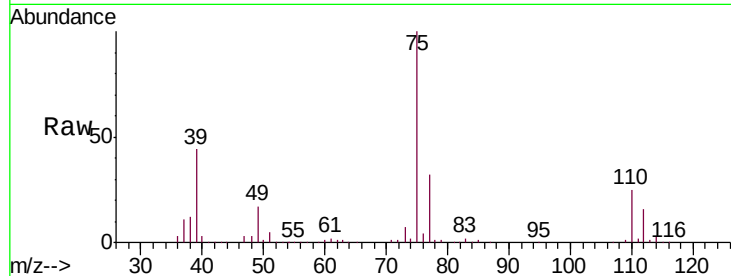




#42
 cis-1,3-Dichloropropene
 Concen: 27.610 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV010450.D
 Acq: 23 Apr 2019 13:11

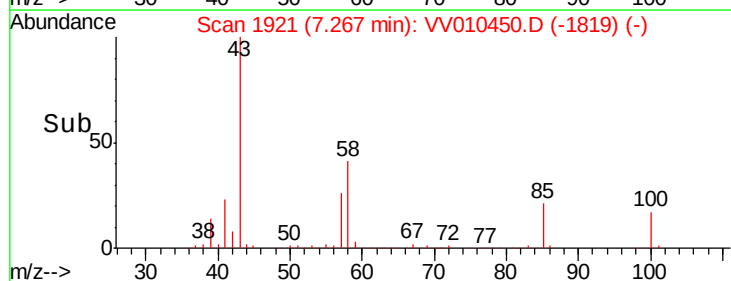
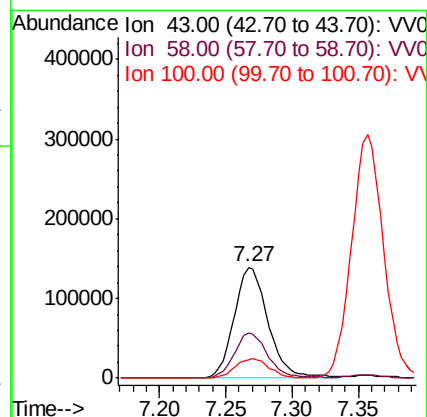
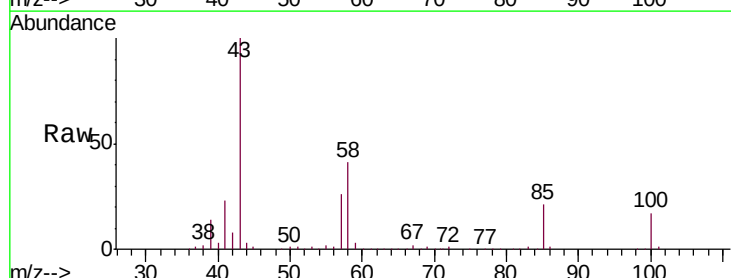
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

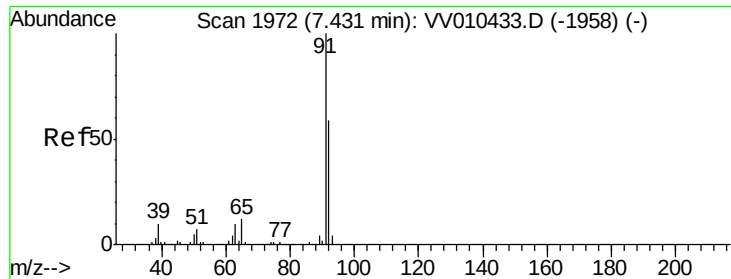
Tgt Ion: 75 Resp: 313945
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.9 42.5



#43
 4-Methyl-2-pentanone
 Concen: 48.469 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VV010450.D
 Acq: 23 Apr 2019 13:11

Tgt Ion: 43 Resp: 247854
 Ion Ratio Lower Upper
 43 100
 58 40.5 30.2 45.2
 100 17.9 12.9 19.3

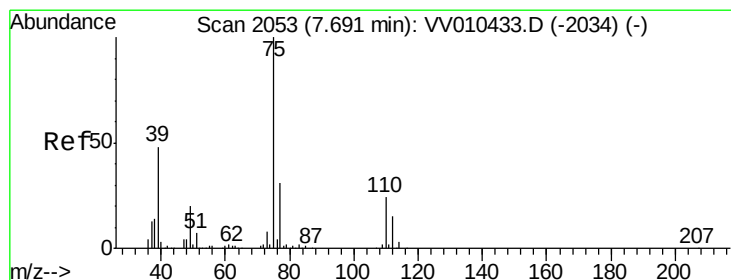
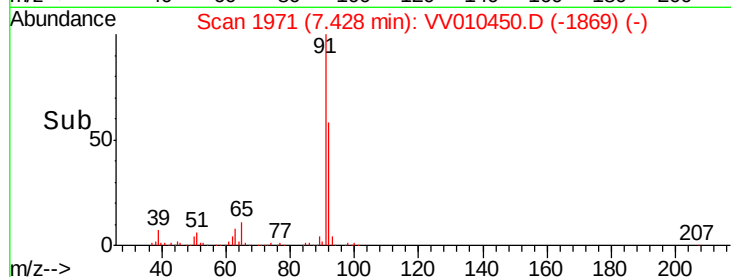
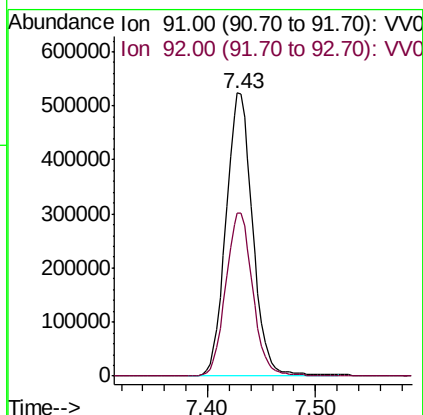
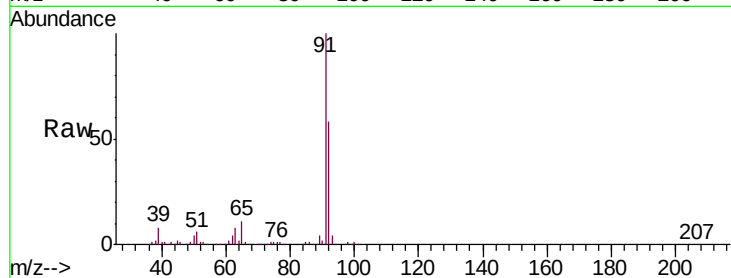




#44
Toluene
Concen: 26.811 ug/L
RT: 7.43 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VV010450.D
Acq: 23 Apr 2019 13:11

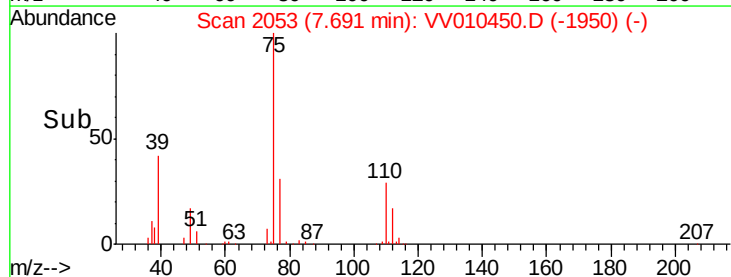
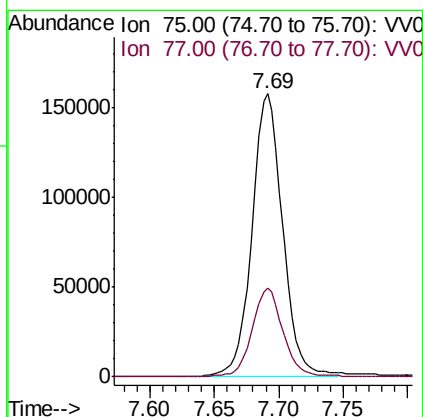
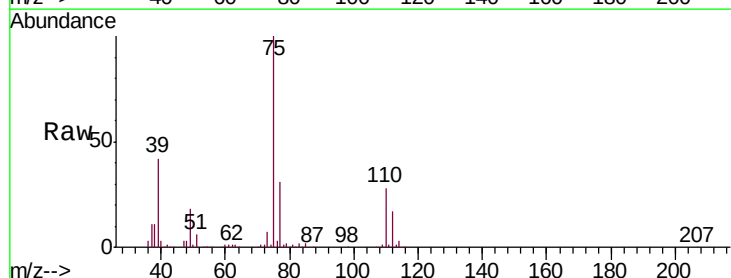
Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

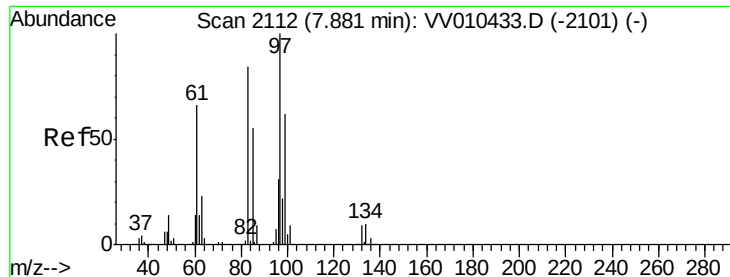
Tgt Ion: 91 Resp: 906499
Ion Ratio Lower Upper
91 100
92 57.8 40.5 75.1



#45
trans-1,3-Dichloropropene
Concen: 25.333 ug/L
RT: 7.69 min Scan# 2053
Delta R.T. -0.00 min
Lab File: VV010450.D
Acq: 23 Apr 2019 13:11

Tgt Ion: 75 Resp: 263014
Ion Ratio Lower Upper
75 100
77 31.3 23.1 42.9

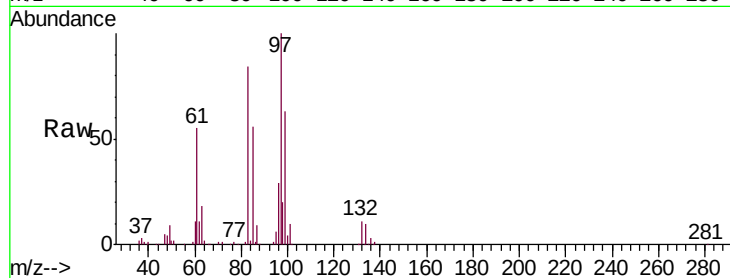




#46
 1,1,2-Trichloroethane
 Concen: 27.722 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV010450.D
 Acq: 23 Apr 2019 13:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

Tgt Ion:	97	Resp:	171206
Ion	Ratio	Lower	Upper
97	100		
83	83.8	58.9	109.3
85	55.9	40.2	74.6
99	62.8	44.1	81.9



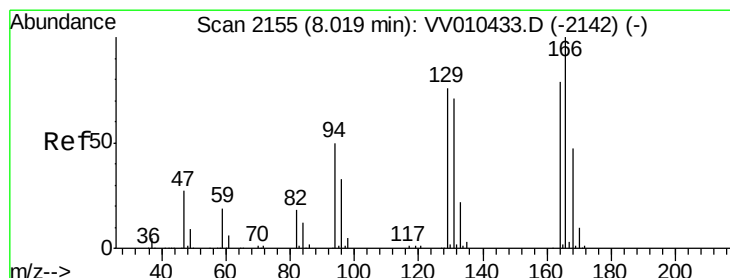
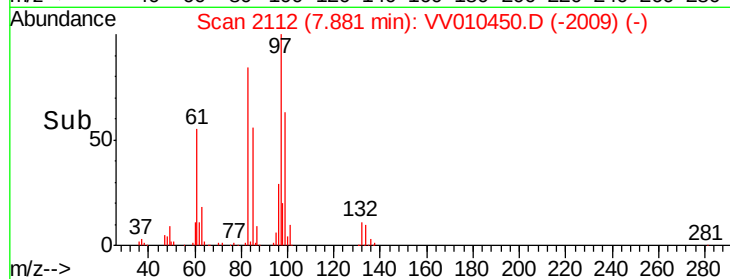
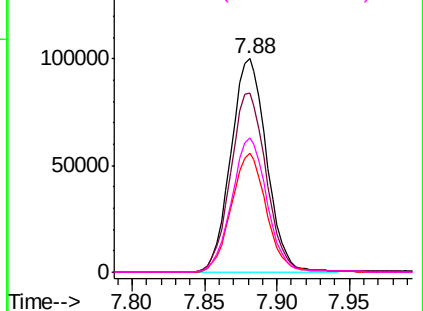
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

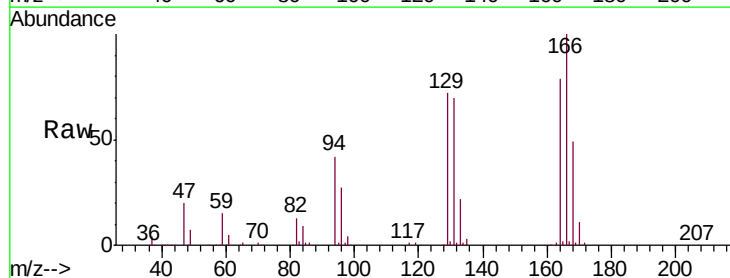
Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47
 Tetrachloroethene
 Concen: 28.470 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV010450.D
 Acq: 23 Apr 2019 13:11

Tgt Ion:	164	Resp:	214422
Ion	Ratio	Lower	Upper
164	100		
129	90.9	67.1	124.5
131	88.8	64.6	120.0
166	126.2	86.7	160.9



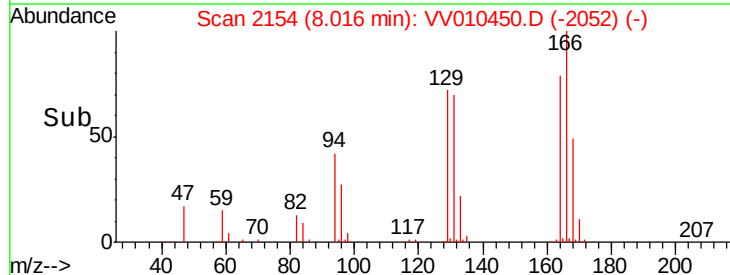
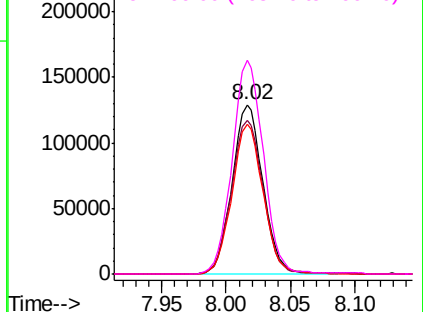
Abundance

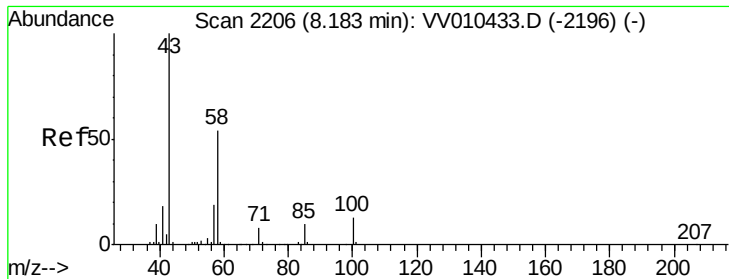
Ion 164.00 (163.70 to 164.70): V

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

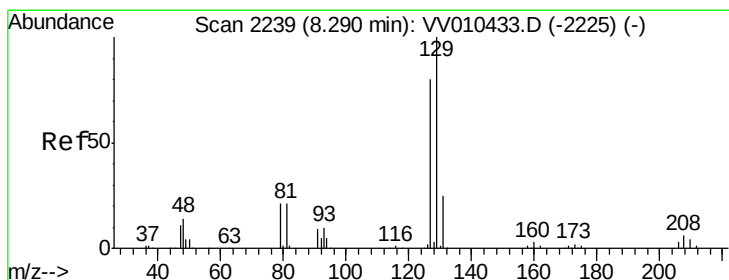
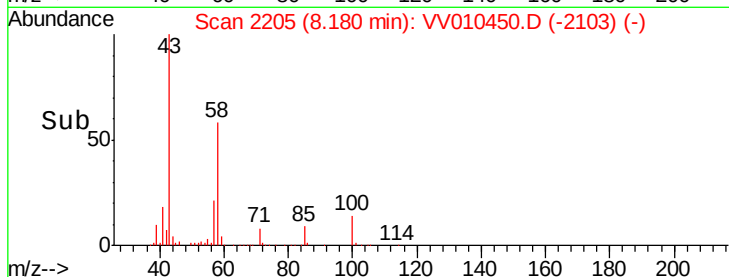
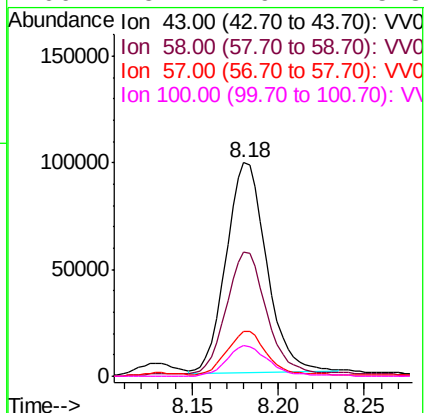
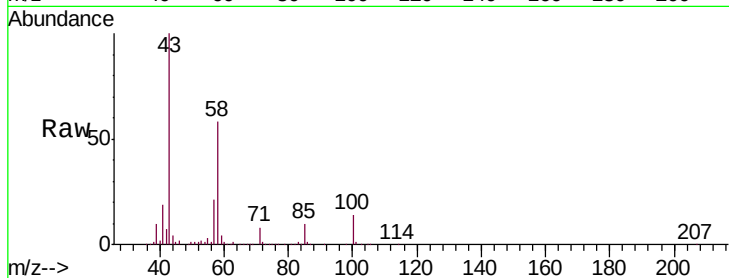




#49
2-Hexanone
Concen: 44.395 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV010450.D
Acq: 23 Apr 2019 13:11

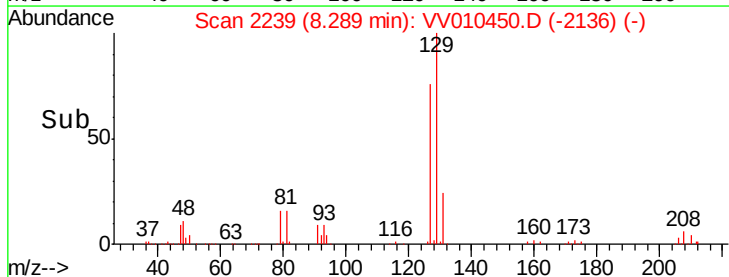
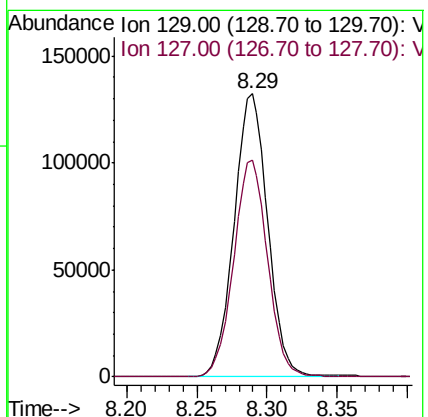
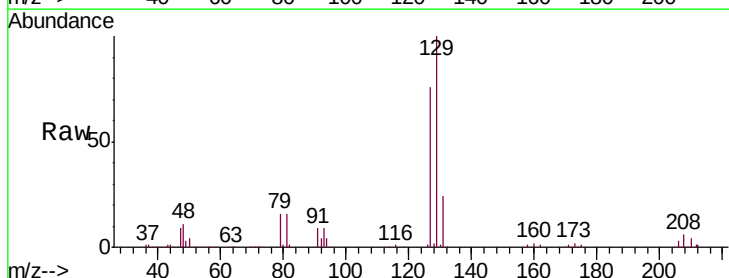
Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

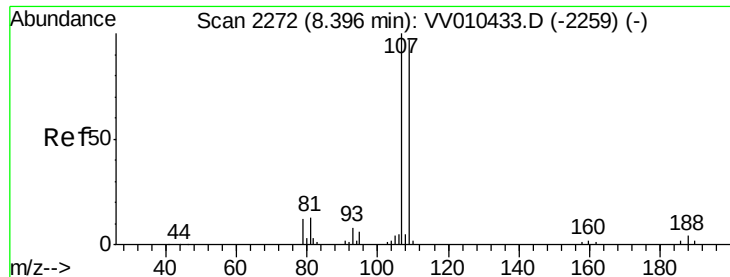
Tgt Ion: 43 Resp: 161176
Ion Ratio Lower Upper
43 100
58 58.0 37.6 56.4#
57 21.0 15.8 23.8
100 15.1 9.2 13.8#



#50
Dibromochloromethane
Concen: 26.632 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV010450.D
Acq: 23 Apr 2019 13:11

Tgt Ion: 129 Resp: 221721
Ion Ratio Lower Upper
129 100
127 76.5 52.4 97.4





#51

1,2-Dibromoethane

Concen: 26.725 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV010450.D

Acq: 23 Apr 2019 13:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

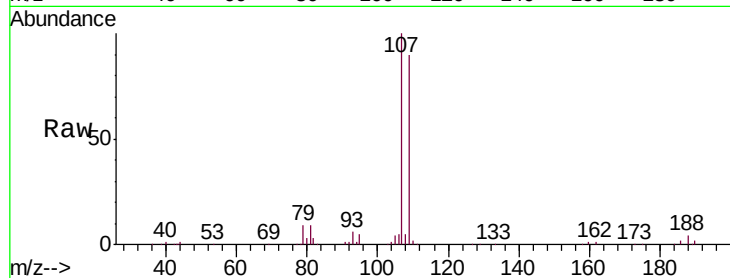
Tgt Ion:107 Resp: 173170

Ion Ratio Lower Upper

107 100

109 89.8 64.9 120.5

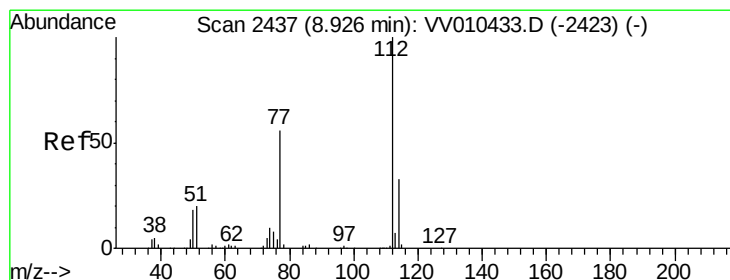
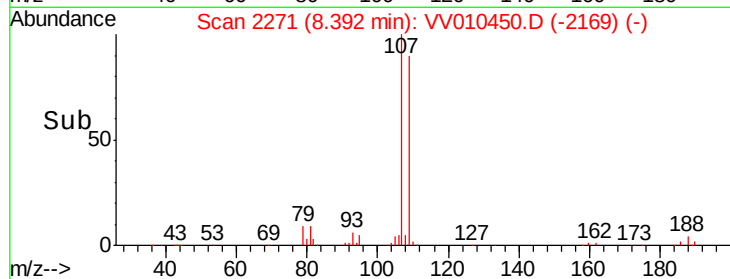
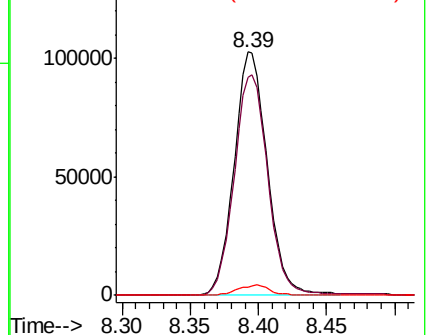
188 3.6 3.0 4.6



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: 26.500 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV010450.D

Acq: 23 Apr 2019 13:11

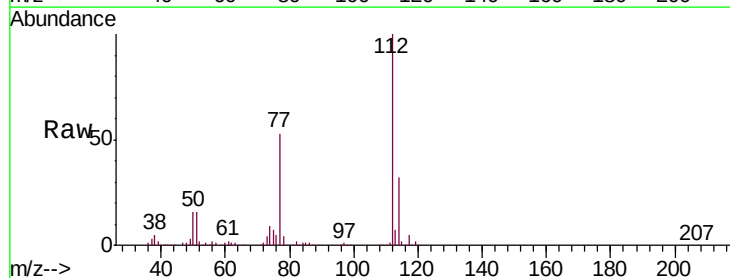
Tgt Ion:112 Resp: 628159

Ion Ratio Lower Upper

112 100

77 53.2 46.2 69.2

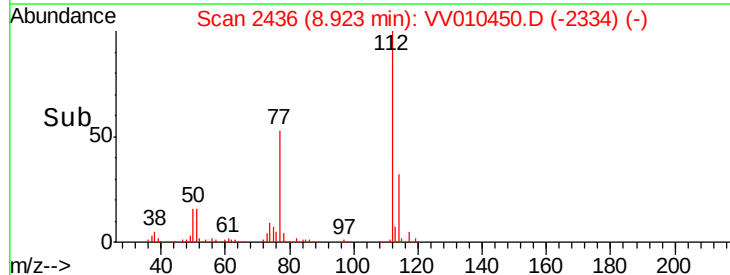
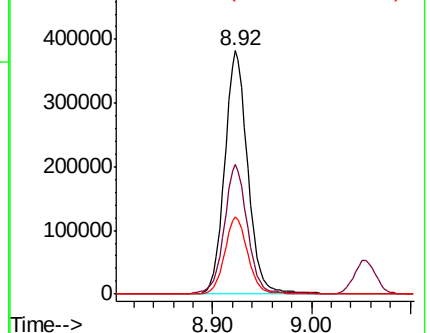
114 31.6 22.5 41.7

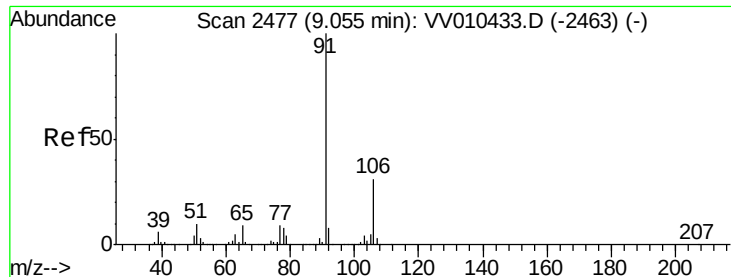


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

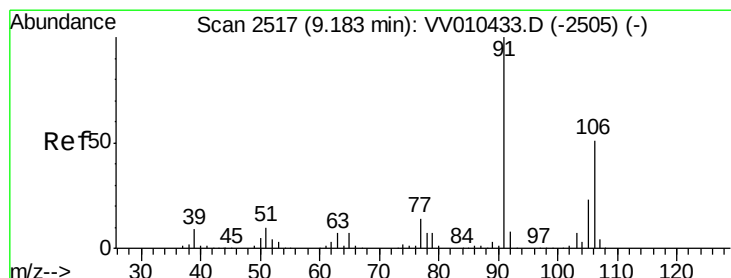
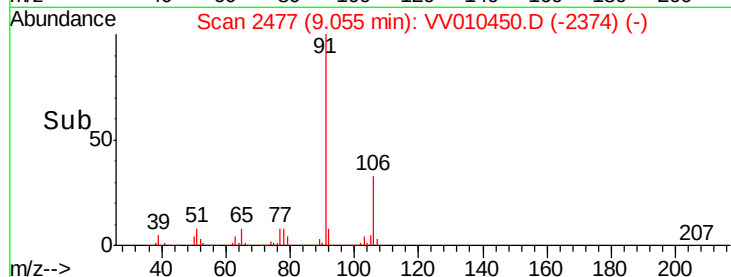
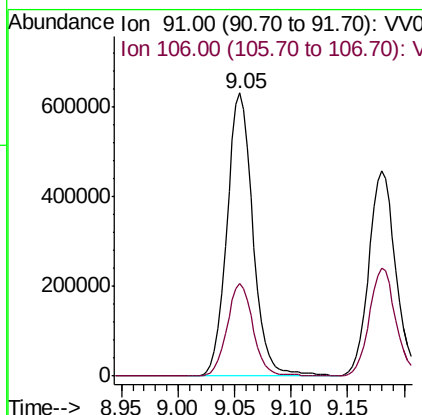
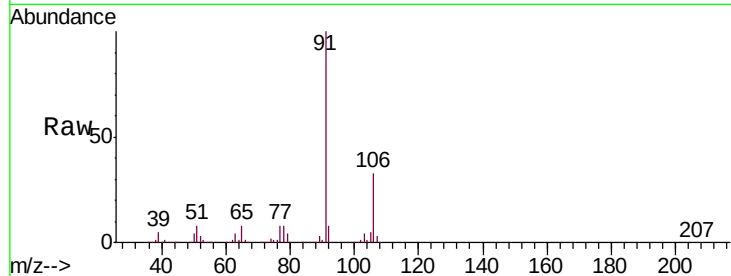




#53
Ethylbenzene
Concen: 25.562 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV010450.D
Acq: 23 Apr 2019 13:11

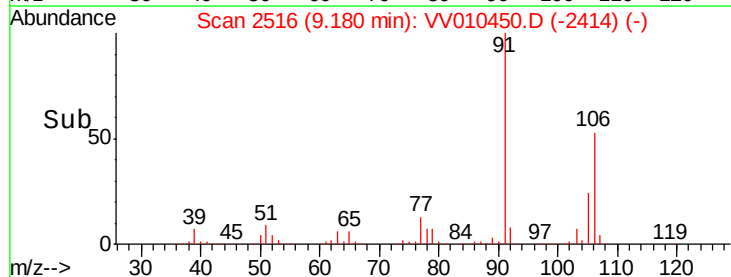
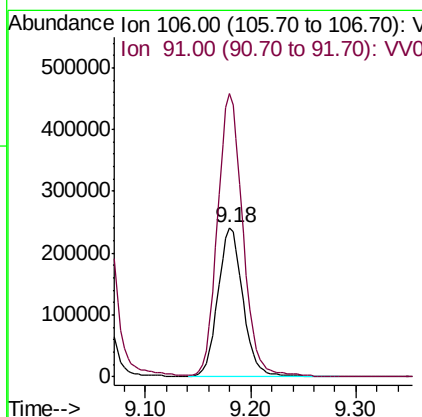
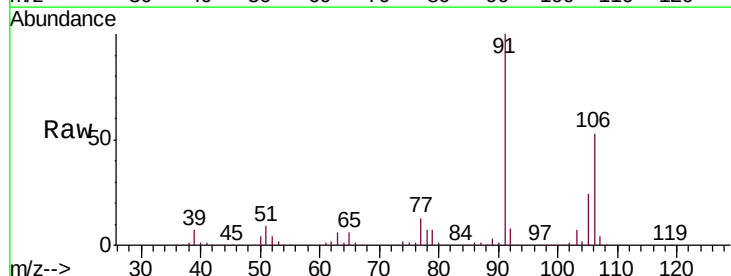
Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

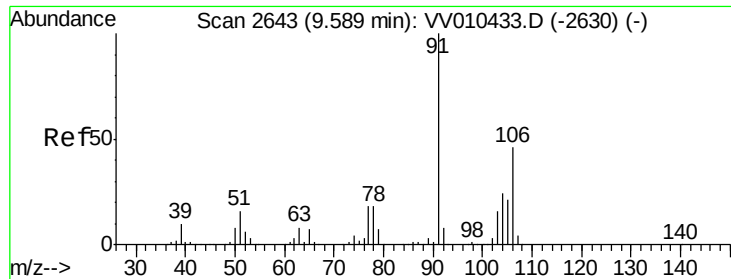
Tgt Ion: 91 Resp: 1010519
Ion Ratio Lower Upper
91 100
106 32.7 22.5 41.9



#54
m,p-Xylene
Concen: 25.696 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV010450.D
Acq: 23 Apr 2019 13:11

Tgt Ion: 106 Resp: 398219
Ion Ratio Lower Upper
106 100
91 189.5 142.5 264.7





#55

o-xylene

Concen: 24.548 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV010450.D

Acq: 23 Apr 2019 13:11

Instrument :

MSVOA_V

ClientSampleId :

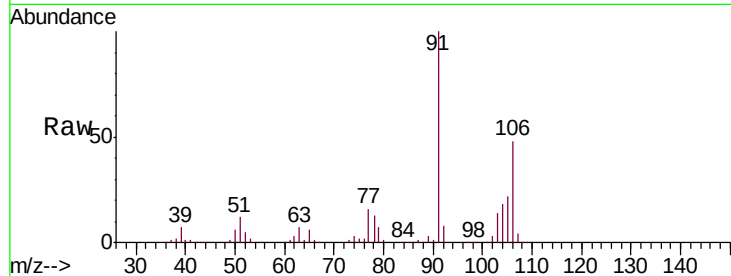
VSTD02579

Tgt Ion:106 Resp: 378940

Ion Ratio Lower Upper

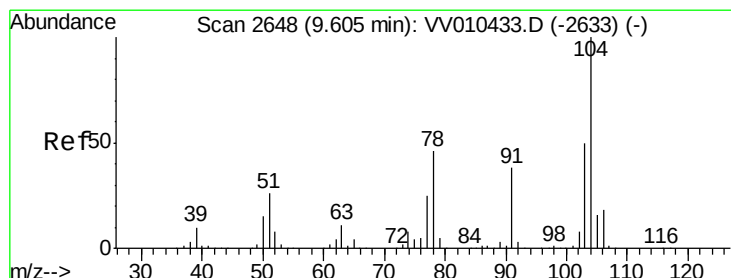
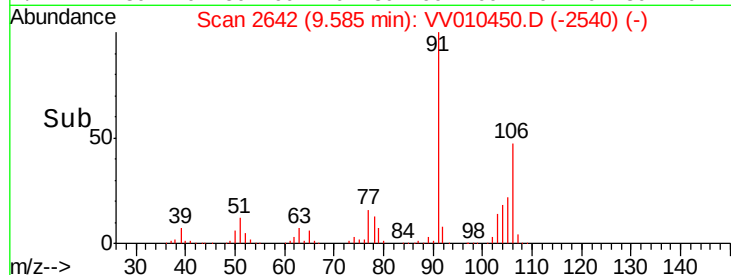
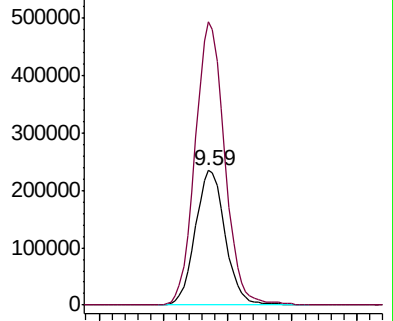
106 100

91 210.4 148.5 275.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 24.391 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV010450.D

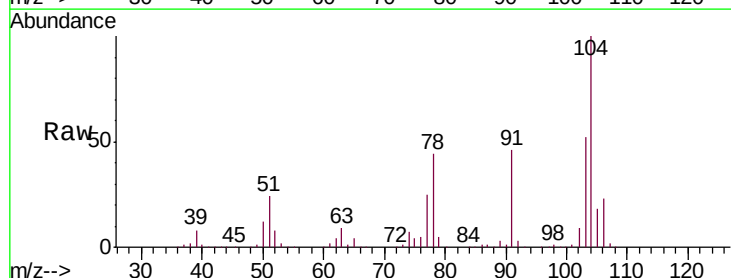
Acq: 23 Apr 2019 13:11

Tgt Ion:104 Resp: 621227

Ion Ratio Lower Upper

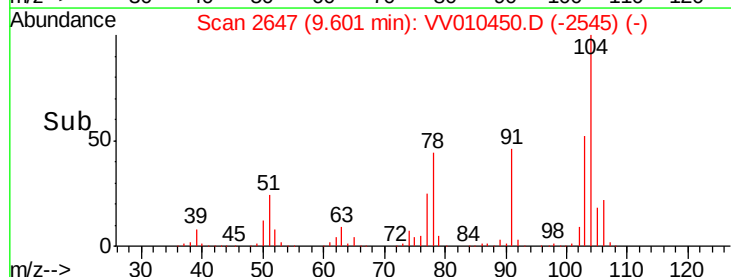
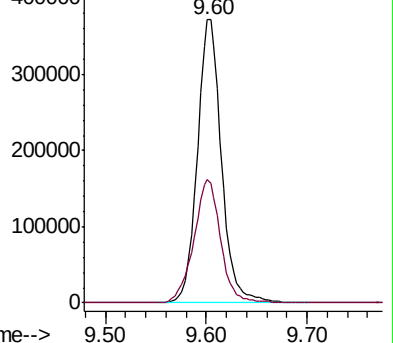
104 100

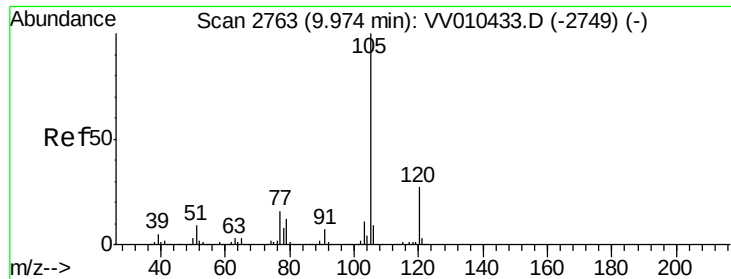
78 43.6 33.3 61.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 24.746 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010450.D

Acq: 23 Apr 2019 13:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

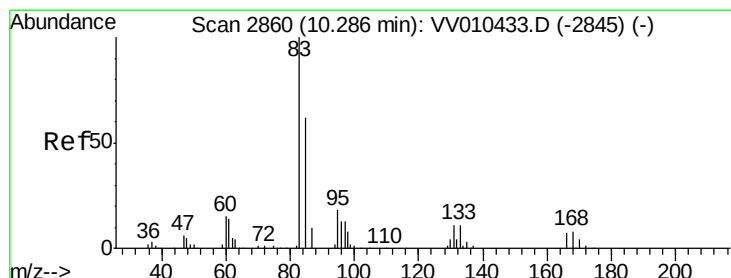
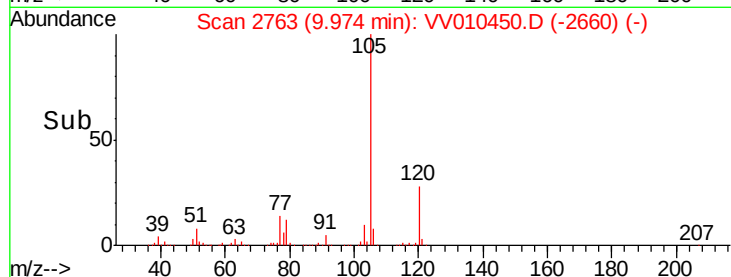
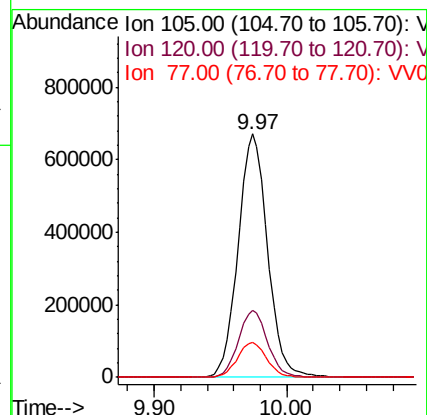
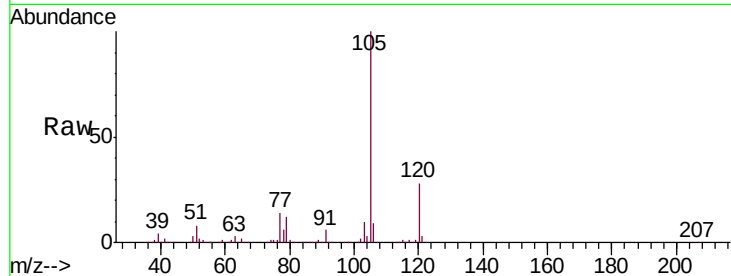
Tgt Ion:105 Resp: 1032038

Ion Ratio Lower Upper

105 100

120 27.4 21.4 32.0

77 14.4 12.9 19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 24.717 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV010450.D

Acq: 23 Apr 2019 13:11

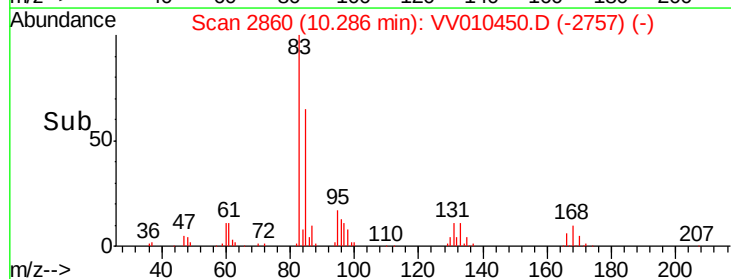
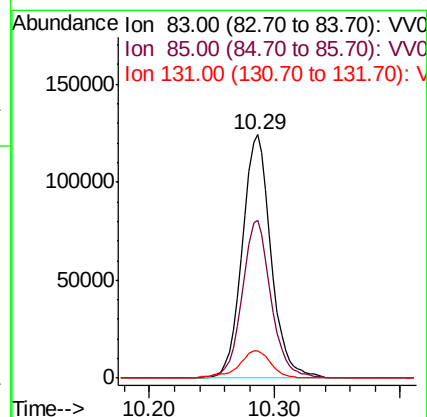
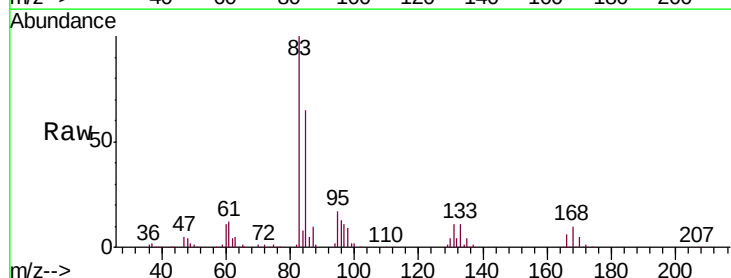
Tgt Ion: 83 Resp: 197752

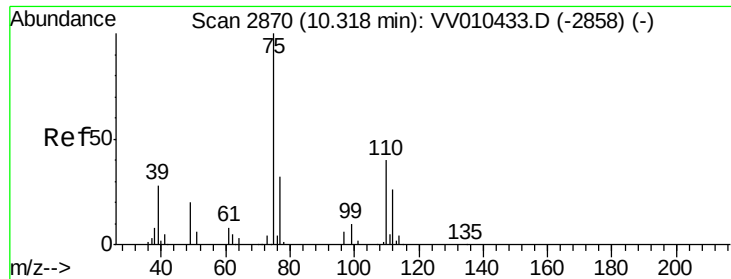
Ion Ratio Lower Upper

83 100

85 64.9 43.6 81.0

131 11.1 9.8 14.6

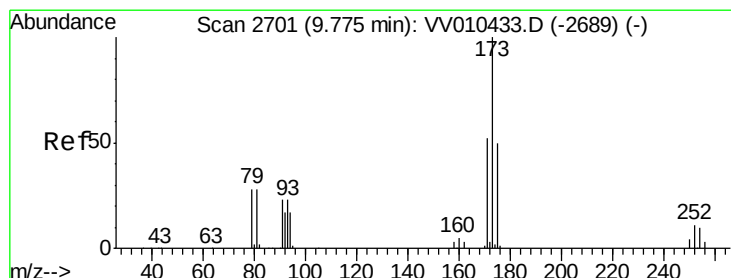
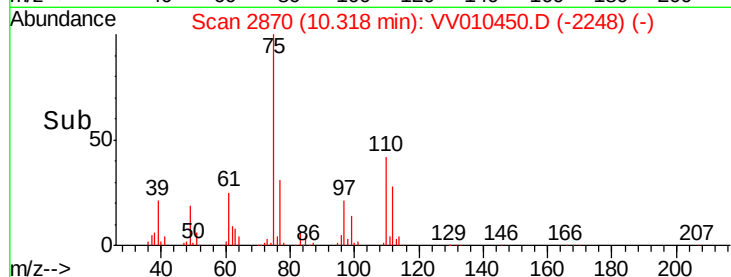
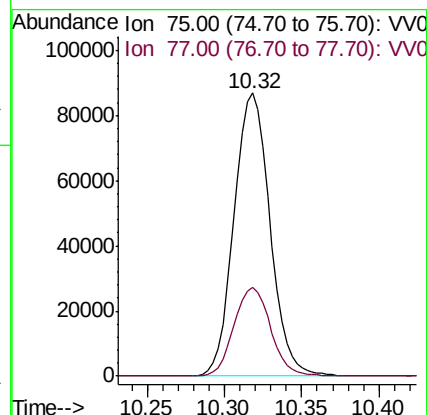
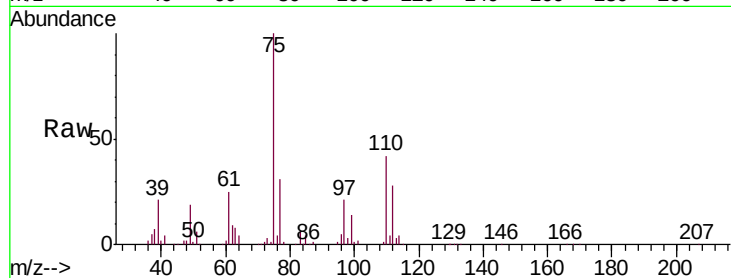




#59
 1,2,3-Trichloropropane
 Concen: 23.651 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV010450.D
 Acq: 23 Apr 2019 13:11

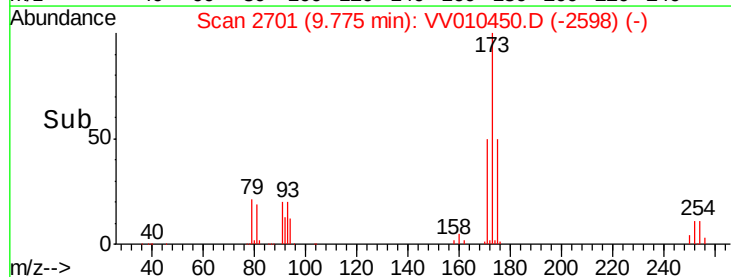
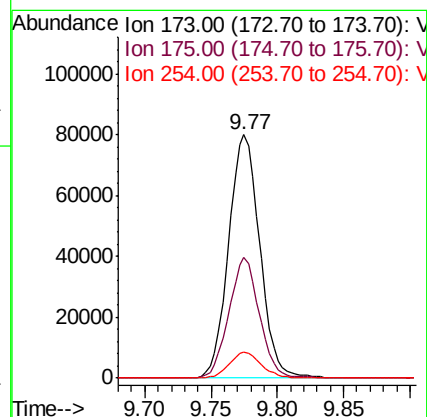
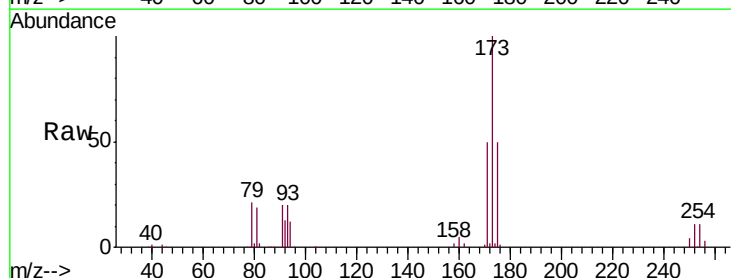
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

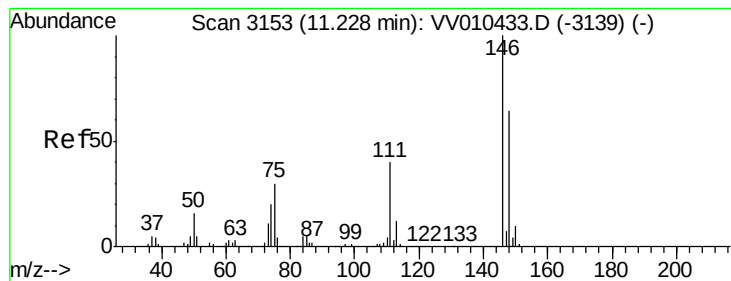
Tgt Ion: 75 Resp: 140196
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.2 39.2



#62
 Bromoform
 Concen: 28.408 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV010450.D
 Acq: 23 Apr 2019 13:11

Tgt Ion: 173 Resp: 130723
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.3 58.9
 254 10.9 8.2 12.4





#63

1,3-Dichlorobenzene

Concen: 27.336 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV010450.D

Acq: 23 Apr 2019 13:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

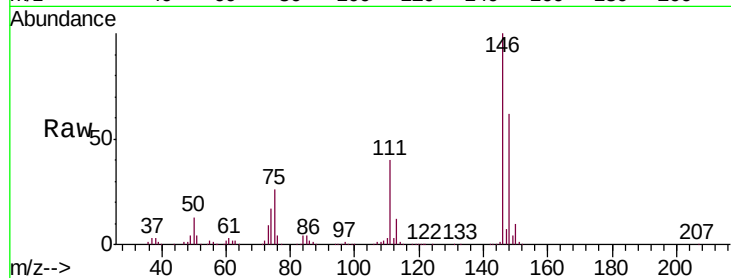
Tgt Ion:146 Resp: 491186

Ion Ratio Lower Upper

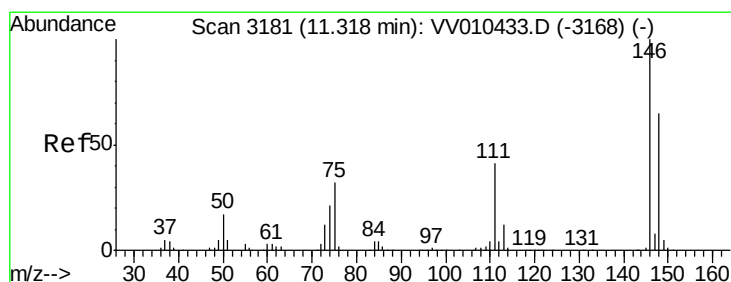
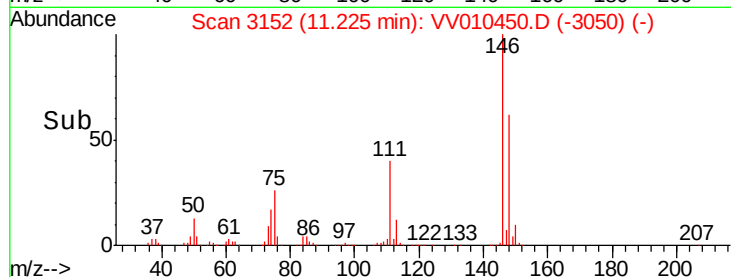
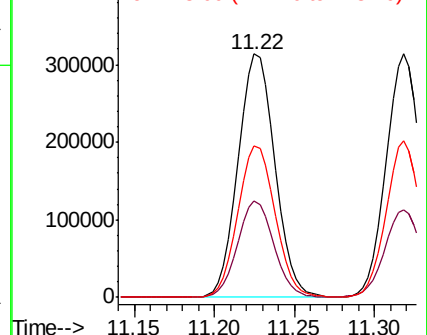
146 100

111 39.6 28.8 53.4

148 62.3 45.6 84.6



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



#64

1,4-Dichlorobenzene

Concen: 26.579 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV010450.D

Acq: 23 Apr 2019 13:11

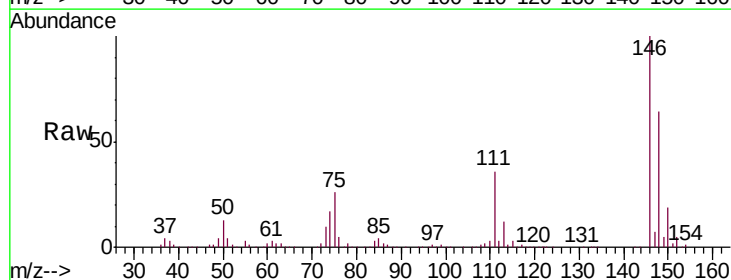
Tgt Ion:146 Resp: 488913

Ion Ratio Lower Upper

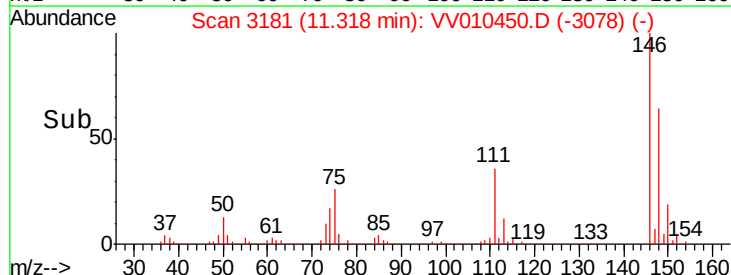
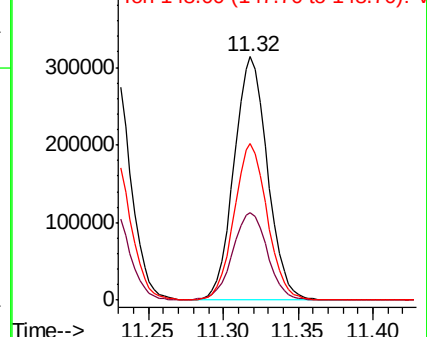
146 100

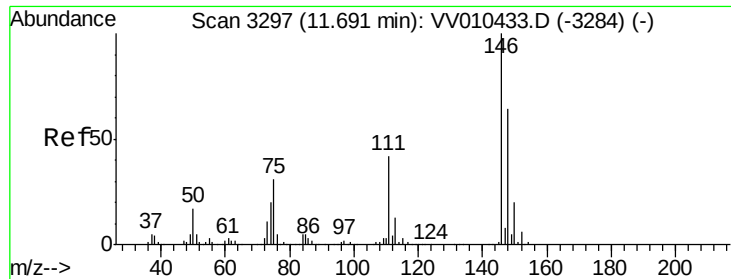
111 36.1 26.9 49.9

148 64.2 45.6 84.6



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

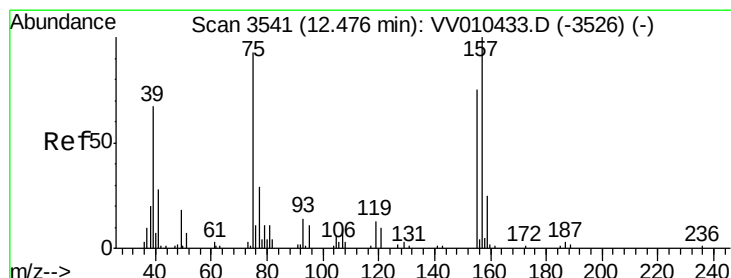
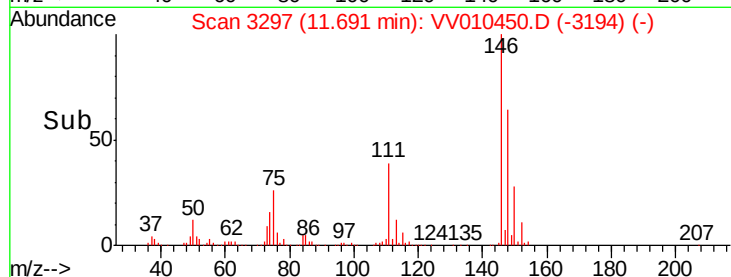
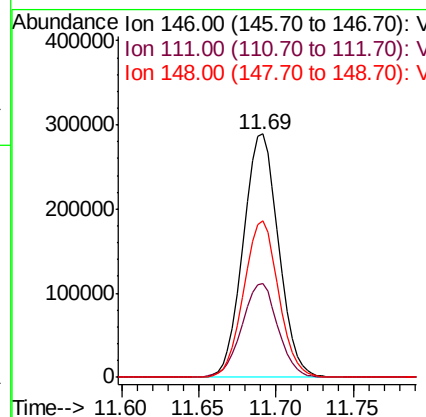
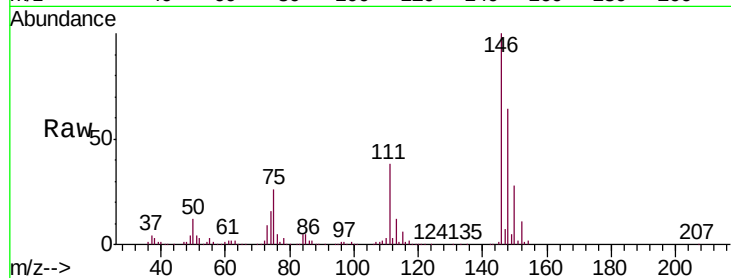




#65
 1,2-Dichlorobenzene
 Concen: 26.360 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV010450.D
 Acq: 23 Apr 2019 13:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	32.9	49.3
148	64.3	51.4	77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.693 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV010450.D
 Acq: 23 Apr 2019 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
157	127.8	88.2	132.2
155	102.2	66.4	99.6

