

Data File : VV010473.D
Acq On : 24 Apr 2019 20:09
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

Quant Time: Apr 25 02:26:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 02:19:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	232751	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	235068	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	121593	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	66896	4.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.60%
7) Chloroethane-d5	1.58	69	54756	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.80%
11) 1,1-Dichloroethene-d2	2.13	63	135721	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.40%
20) 2-Butanone-d5	3.95	46	161311	56.07	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.14%
24) Chloroform-d	4.40	84	151546	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.80%
26) 1,2-Dichloroethane-d4	5.08	65	73297	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.10	84	293579	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	6.12	67	82488	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.36	98	292272	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
43) trans-1,3-Dichloropropene-	7.67	79	32115	4.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.80%
46) 2-Hexanone-d5	8.14	63	129920	52.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.86%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	65294	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	114143	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	99239	5.467 ug/L	98
3) Chloromethane	1.25	50	83876	5.721 ug/L	97
5) Vinyl chloride	1.33	62	89231	5.625 ug/L	97
6) Bromomethane	1.53	94	52441	5.028 ug/L	91
8) Chloroethane	1.60	64	49378	5.543 ug/L	98
9) Trichlorofluoromethane	1.77	101	162285	5.519 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	83380	5.390 ug/L	98
12) 1,1-Dichloroethene	2.14	96	74047	5.279 ug/L	95
13) Acetone	2.19	43	88110	50.904 ug/L	97
14) Carbon disulfide	2.32	76	200125	5.279 ug/L	98
15) Methyl Acetate	2.46	43	21745	4.849 ug/L	100
16) Methylene chloride	2.54	84	75310	4.916 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	171491	5.206 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	79723	5.212 ug/L	96
19) 1,1-Dichloroethane	3.23	63	133986	5.495 ug/L	98
21) 2-Butanone	4.04	43	174416	57.487 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	90700	5.691 ug/L	96

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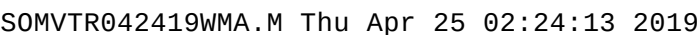
Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

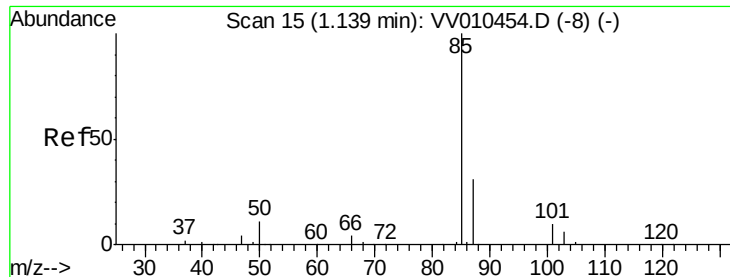
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	41022	5.903	ug/L	92
25) Chloroform	4.43	83	164132	5.711	ug/L	97
27) 1,2-Dichloroethane	5.18	62	93747	5.559	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	145175	5.303	ug/L	99
30) Cyclohexane	4.72	56	121225	5.250	ug/L	100
31) Carbon tetrachloride	4.87	117	137197	5.513	ug/L	99
33) Benzene	5.14	78	329951	5.490	ug/L	100
34) Trichloroethene	5.96	95	93269	5.379	ug/L	97
35) Methylcyclohexane	6.17	83	135092	5.191	ug/L	99
37) 1,2-Dichloropropane	6.22	63	80878	5.545	ug/L	100
38) Bromodichloromethane	6.56	83	105871	5.393	ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	110155	5.093	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	442182	53.620	ug/L	100
42) Toluene	7.43	91	371590	5.434	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	88591	5.303	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	58664	5.491	ug/L	98
47) Tetrachloroethene	8.02	164	82370	5.320	ug/L	96
48) 2-Hexanone	8.19	43	314639	54.851	ug/L	99
49) Dibromochloromethane	8.29	129	75735	5.488	ug/L	93
50) 1,2-Dibromoethane	8.40	107	57546	5.557	ug/L	98
51) Chlorobenzene	8.93	112	253151	5.449	ug/L	95
52) Ethylbenzene	9.05	91	406581	5.351	ug/L	99
53) m,p-xylene	9.18	106	162119	5.426	ug/L	100
54) o-xylene	9.59	106	159214	5.431	ug/L	96
55) Styrene	9.60	104	271628	5.712	ug/L	99
56) Isopropylbenzene	9.97	105	419247	5.370	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	67980	5.532	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	47762	5.294	ug/L	98
61) Bromoform	9.77	173	39225	5.442	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	204392	5.395	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	206154	5.403	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	195786	5.448	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	10052	5.164	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	168248	5.423	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	126346	5.382	ug/L	99
69) Naphthalene	13.55	128	171604	4.927	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	117328	5.271	ug/L	97

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

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#2

Dichlorodifluoromethane

Concen: 5.467 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

Instrument :

MSVOA_V

ClientSampleId :

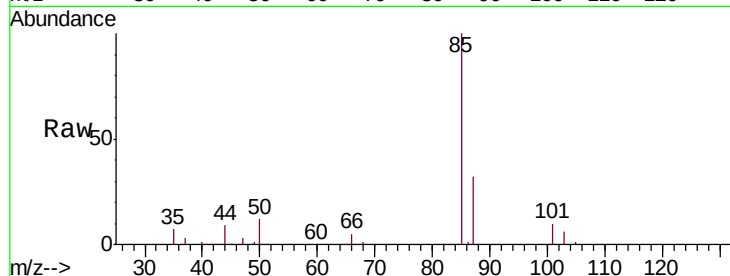
VSTD00545

Tgt Ion: 85 Resp: 99239

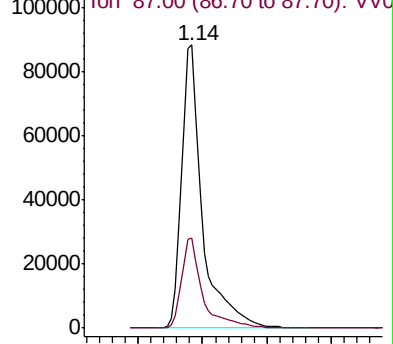
Ion Ratio Lower Upper

85 100

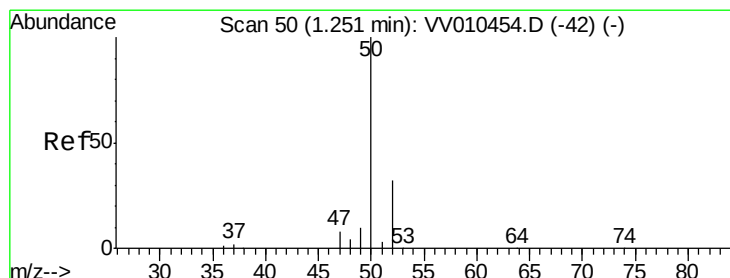
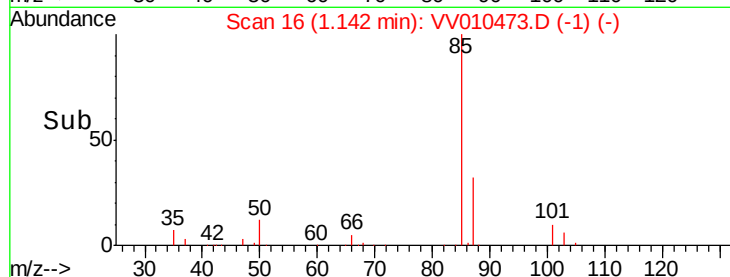
87 32.1 24.8 37.2



Abundance Ion 85.00 (84.70 to 85.70): VV010473.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 5.721 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010473.D

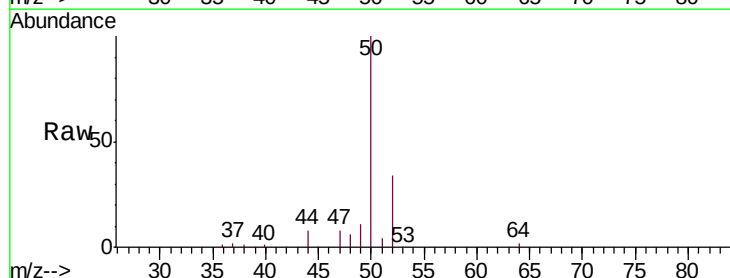
Acq: 24 Apr 2019 20:09

Tgt Ion: 50 Resp: 83876

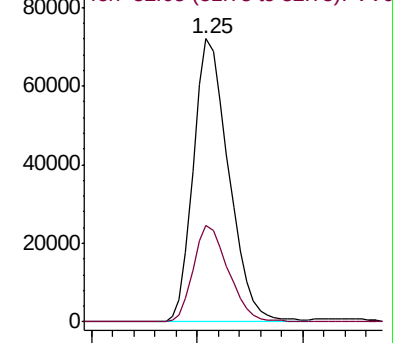
Ion Ratio Lower Upper

50 100

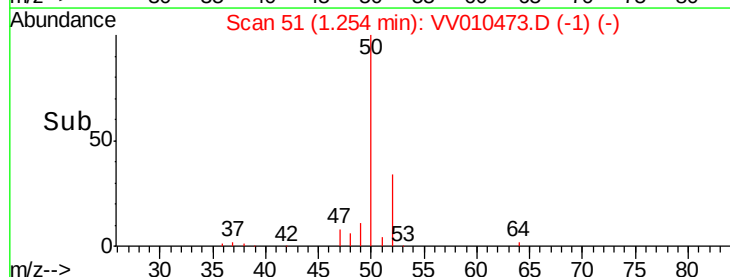
52 34.2 22.7 42.3

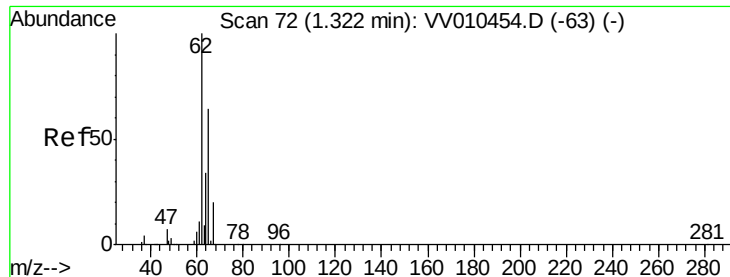


Abundance Ion 50.05 (49.75 to 50.75): VV010473.D (-1) (-)



Time-->





#5

Vinyl chloride

Concen: 5.625 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

Instrument :

MSVOA_V

ClientSampleId :

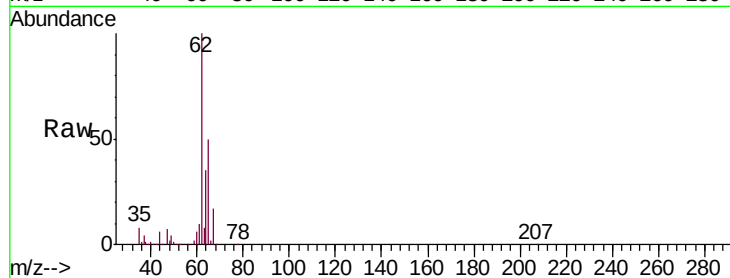
VSTD00545

Tgt Ion: 62 Resp: 89231

Ion Ratio Lower Upper

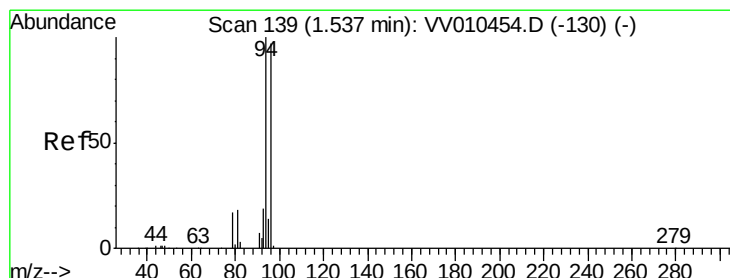
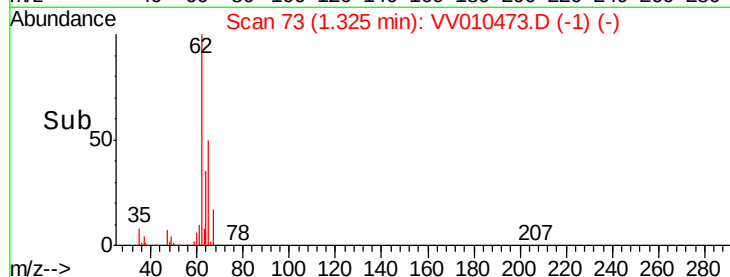
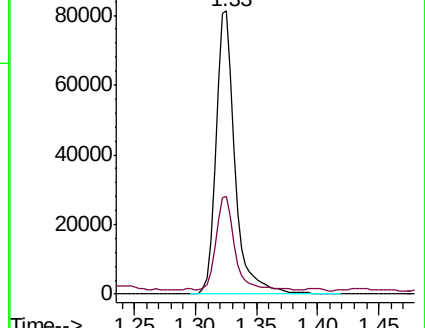
62 100

64 34.7 25.4 47.2



Abundance Ion 62.00 (61.70 to 62.70): VV010473.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV010473.D (-63) (-)



#6

Bromomethane

Concen: 5.028 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV010473.D

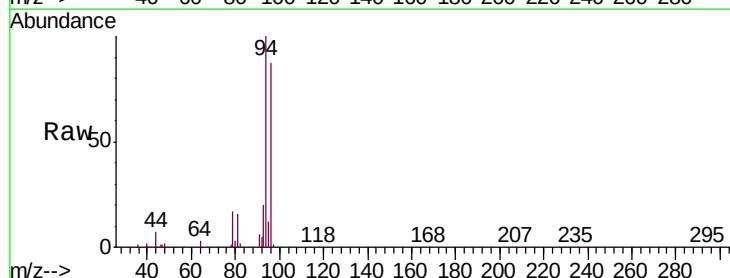
Acq: 24 Apr 2019 20:09

Tgt Ion: 94 Resp: 52441

Ion Ratio Lower Upper

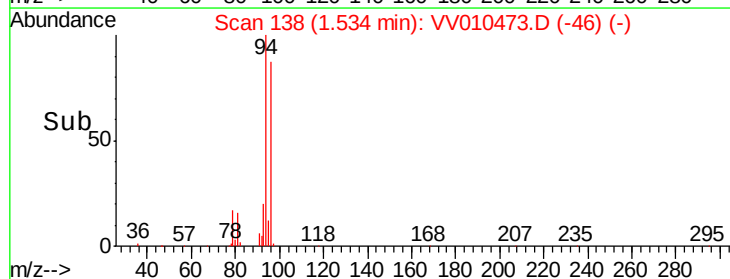
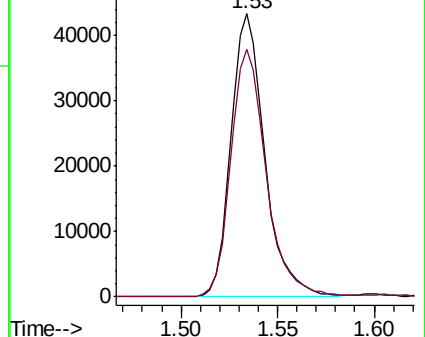
94 100

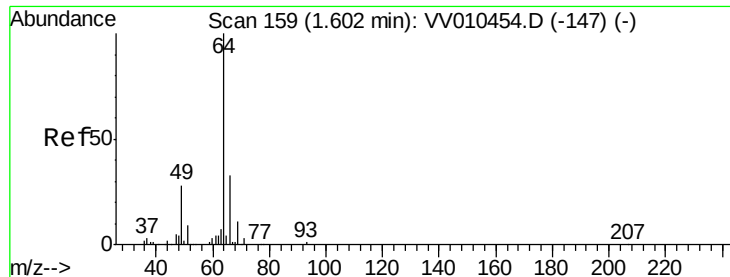
96 87.3 67.6 125.6



Abundance Ion 94.00 (93.70 to 94.70): VV010473.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV010473.D (-130) (-)





#8

Chloroethane

Concen: 5.543 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

Instrument :

MSVOA_V

ClientSampleId :

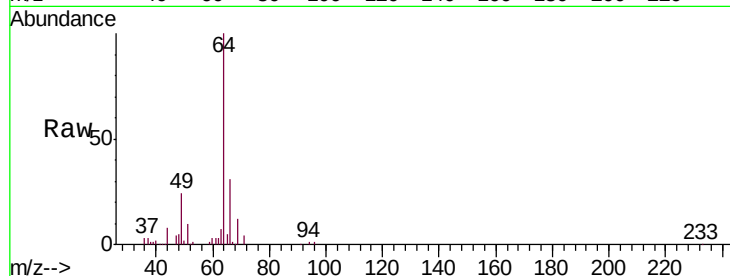
VSTD00545

Tgt Ion: 64 Resp: 49378

Ion Ratio Lower Upper

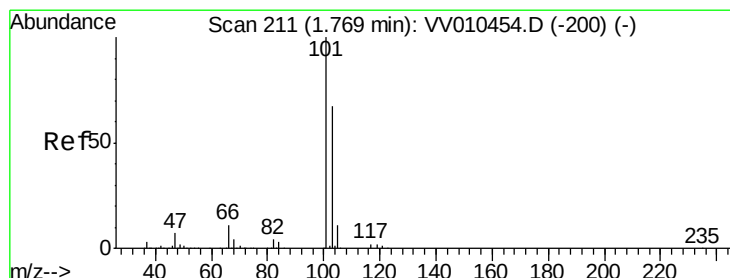
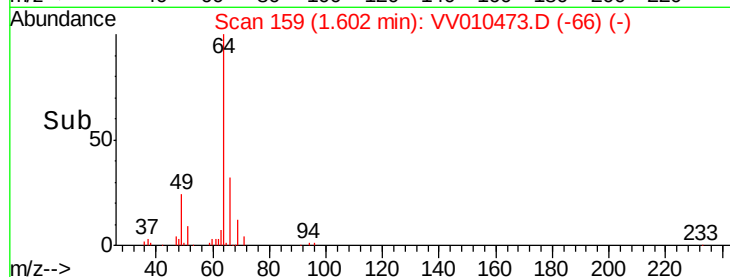
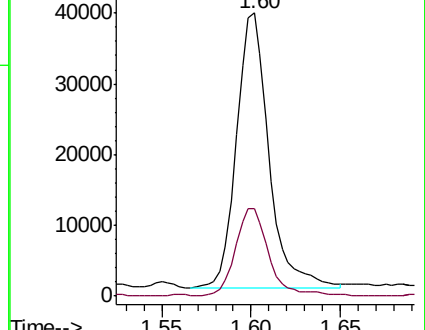
64 100

66 30.8 22.5 41.9



Abundance Ion 64.10 (63.80 to 64.80): VV010454.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV010454.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 5.519 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV010473.D

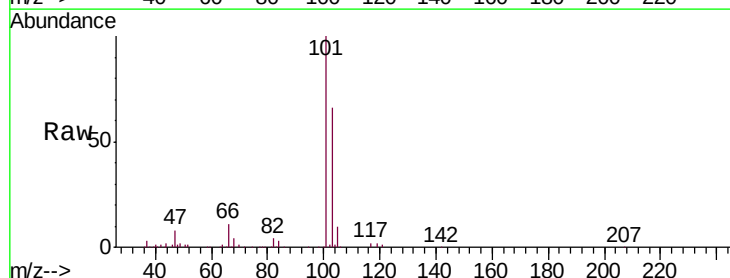
Acq: 24 Apr 2019 20:09

Tgt Ion: 101 Resp: 162285

Ion Ratio Lower Upper

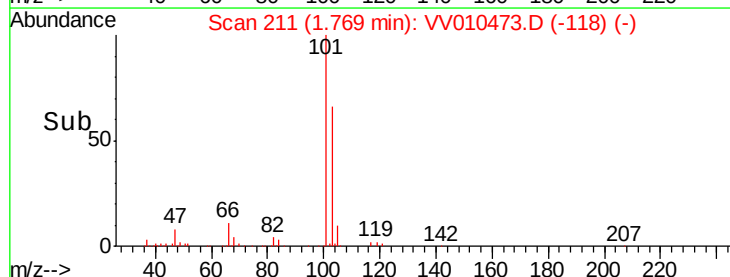
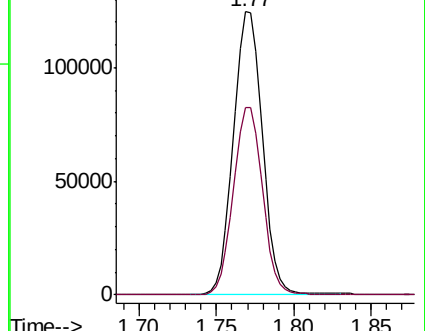
101 100

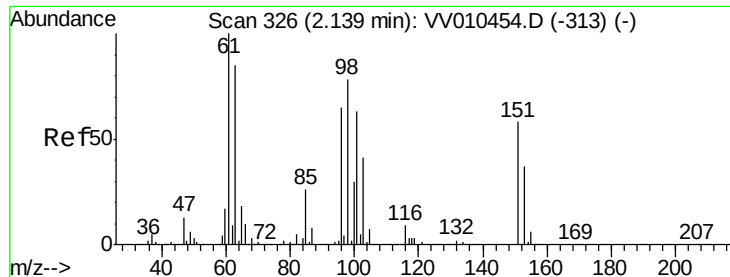
103 66.1 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): VV010454.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV010454.D (-200) (-)





#10

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

Concen: 5.390 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

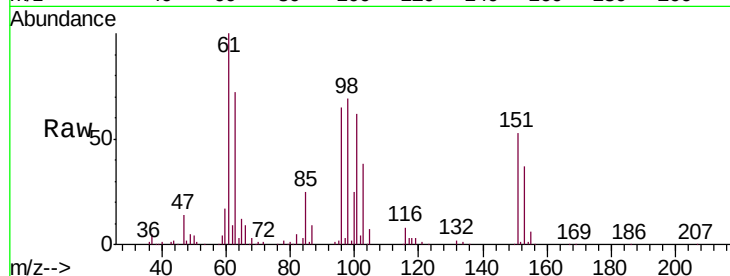
Tgt Ion:101 Resp: 83380

Ion Ratio Lower Upper

101 100

85 41.5 33.8 50.8

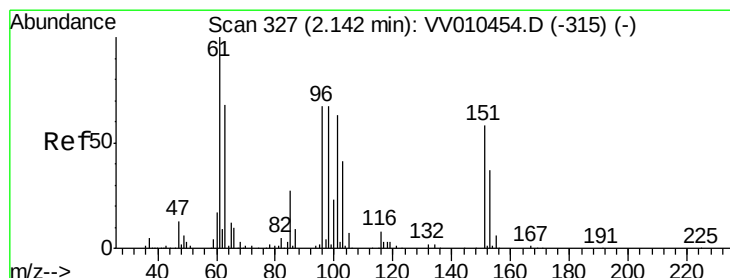
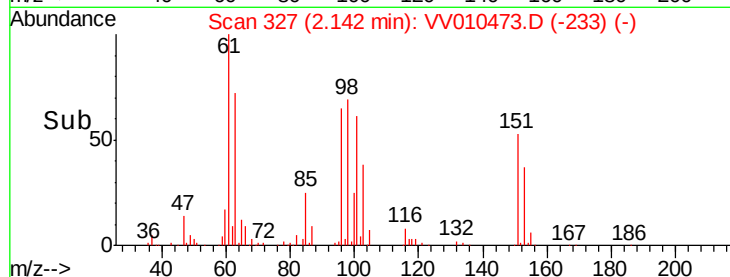
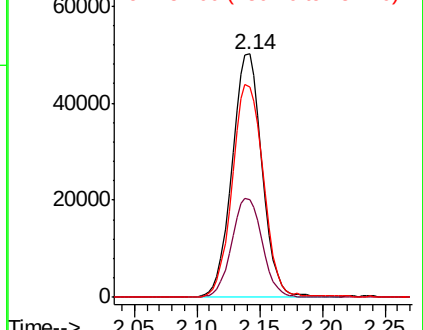
151 90.5 73.8 110.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.279 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

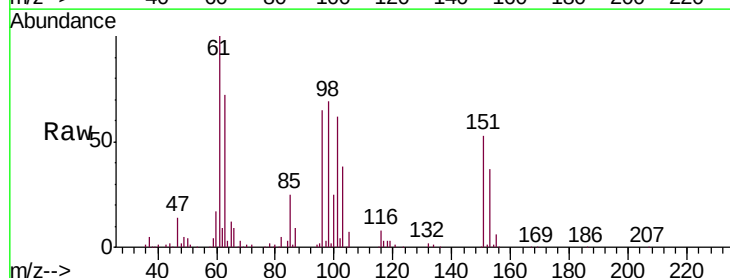
Tgt Ion: 96 Resp: 74047

Ion Ratio Lower Upper

96 100

61 153.1 104.3 193.7

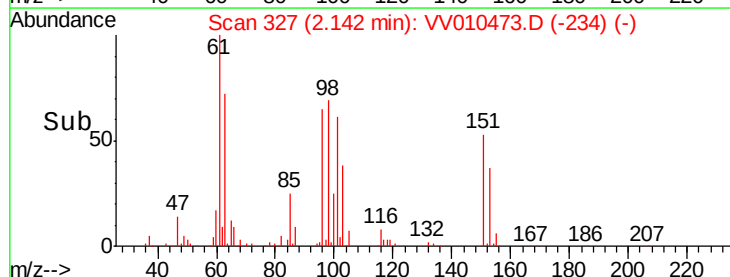
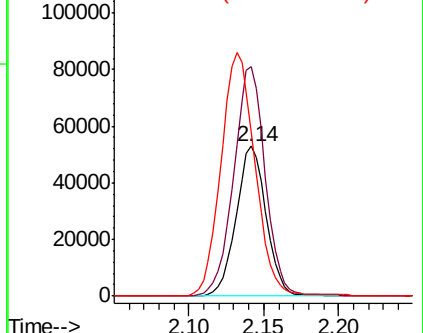
63 109.9 72.1 133.9

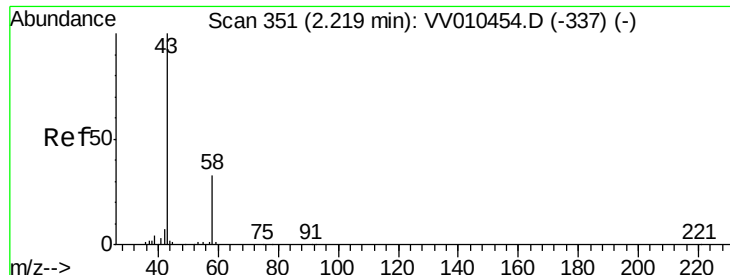


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.904 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.03 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

Instrument :

MSVOA_V

ClientSampleId :

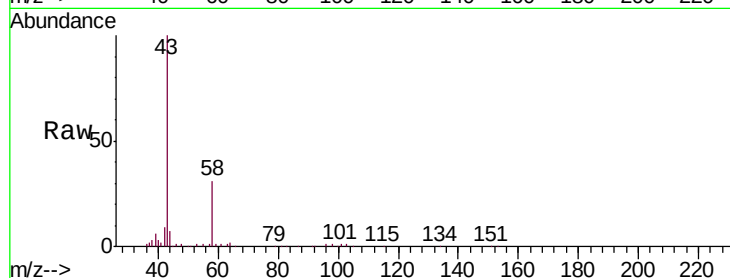
VSTD00545

Tgt Ion: 43 Resp: 88110

Ion Ratio Lower Upper

43 100

58 31.4 0.0 59.6



Abundance Ion 43.05 (42.75 to 43.75): VV010454.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV010454.D (-337) (-)

60000

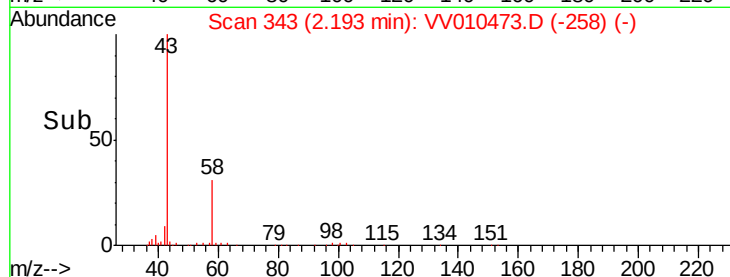
40000

20000

0

2.19

Time-->



Abundance Ion 43.05 (42.75 to 43.75): VV010473.D (-258) (-)

Ion 58.05 (57.75 to 58.75): VV010473.D (-258) (-)

60000

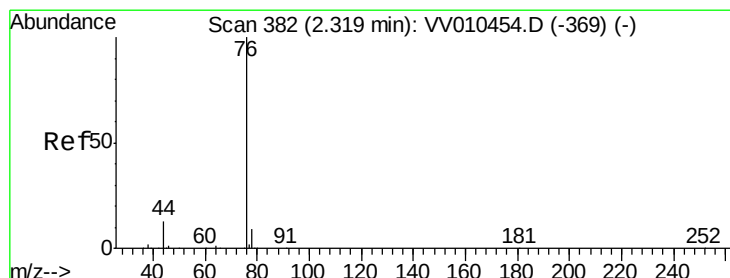
40000

20000

0

2.19

Time-->



#14

Carbon disulfide

Concen: 5.279 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV010473.D

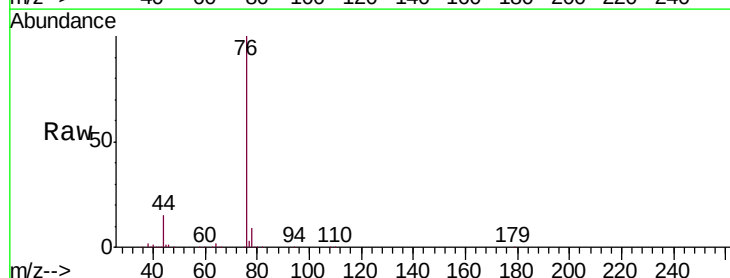
Acq: 24 Apr 2019 20:09

Tgt Ion: 76 Resp: 200125

Ion Ratio Lower Upper

76 100

78 8.6 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV010454.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV010454.D (-369) (-)

150000

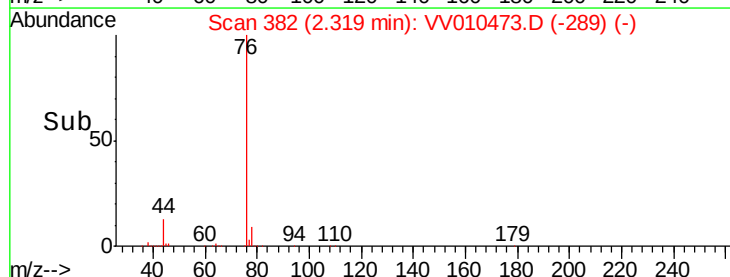
100000

50000

0

2.32

Time-->



Abundance Ion 76.05 (75.75 to 76.75): VV010473.D (-289) (-)

Ion 78.00 (77.70 to 78.70): VV010473.D (-289) (-)

150000

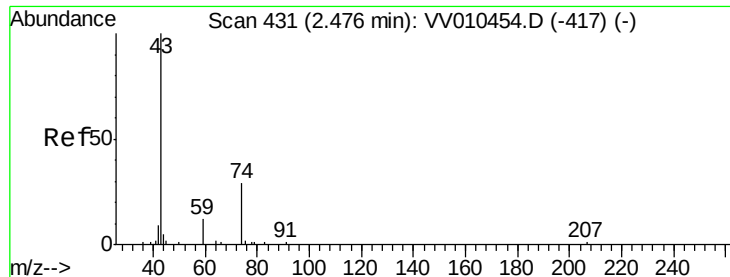
100000

50000

0

2.32

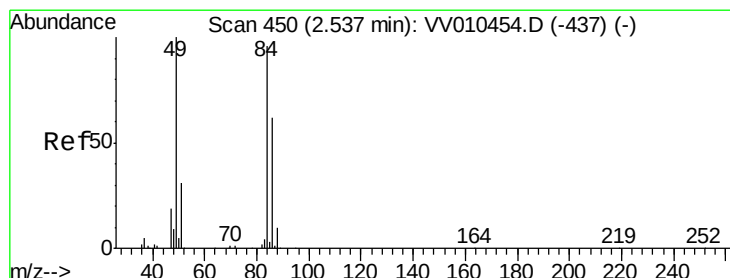
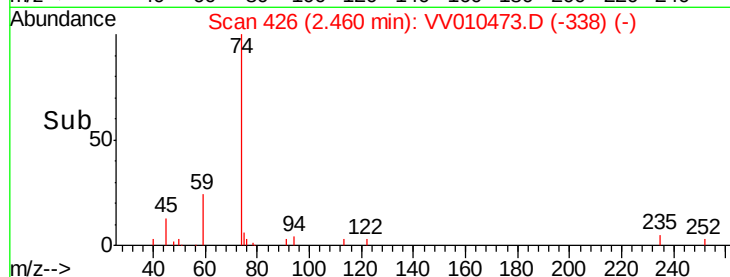
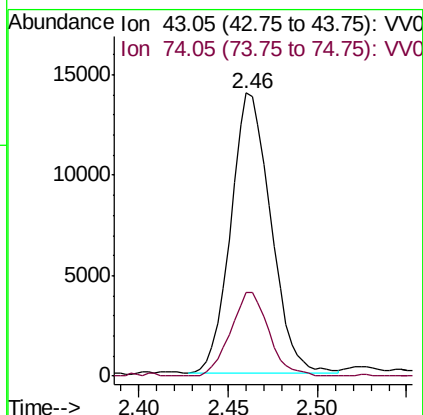
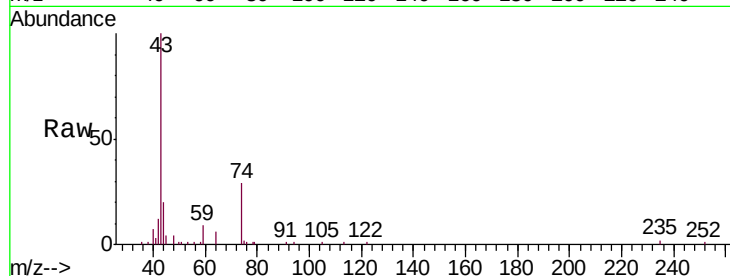
Time-->



#15
Methyl Acetate
Concen: 4.849 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.02 min
Lab File: VV010473.D
Acq: 24 Apr 2019 20:09

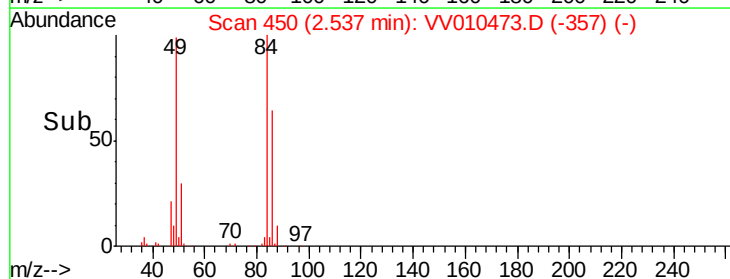
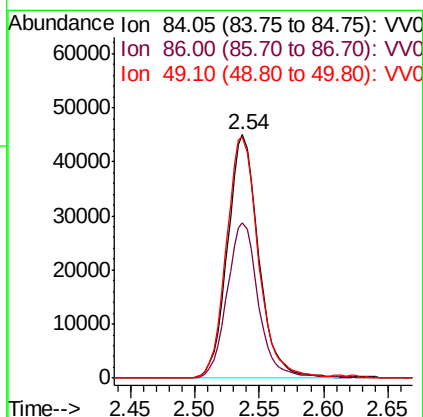
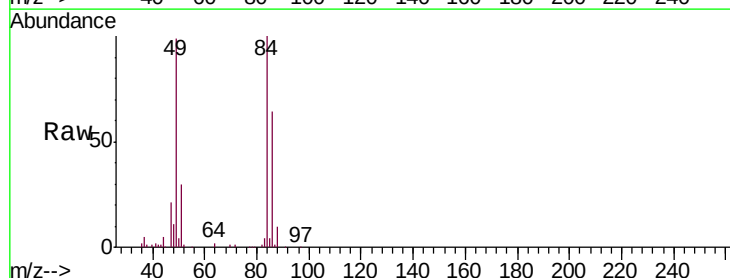
Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

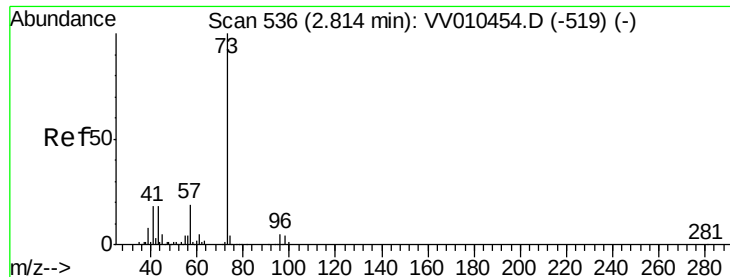
Tgt Ion: 43 Resp: 21745
Ion Ratio Lower Upper
43 100
74 28.6 23.0 34.6



#16
Methylene chloride
Concen: 4.916 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV010473.D
Acq: 24 Apr 2019 20:09

Tgt Ion: 84 Resp: 75310
Ion Ratio Lower Upper
84 100
86 64.0 44.7 83.1
49 99.3 72.7 135.1





#17

Methyl tert-butyl Ether

Concen: 5.206 ug/L

RT: 2.81 min Scan# 536

Delta R.T. -0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

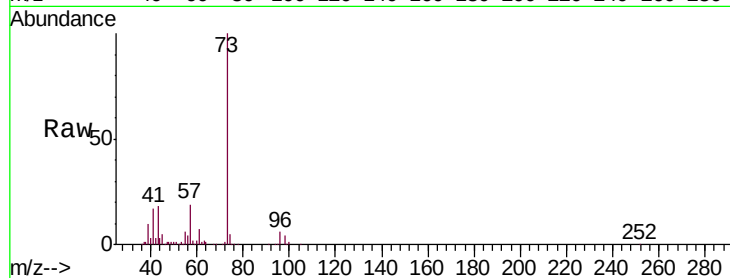
Tgt Ion: 73 Resp: 171491

Ion Ratio Lower Upper

73 100

43 19.0 14.9 22.3

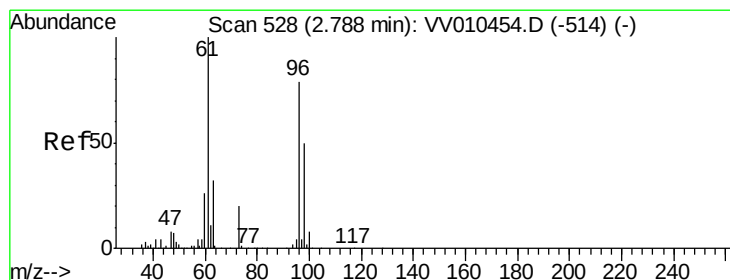
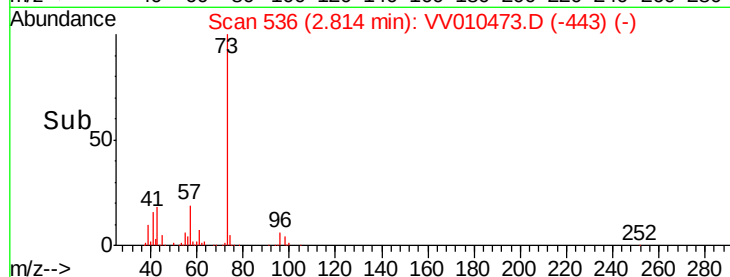
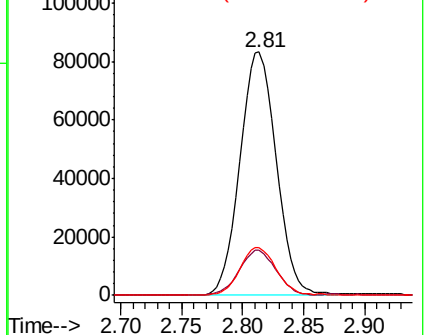
57 19.6 15.7 23.5



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 5.212 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

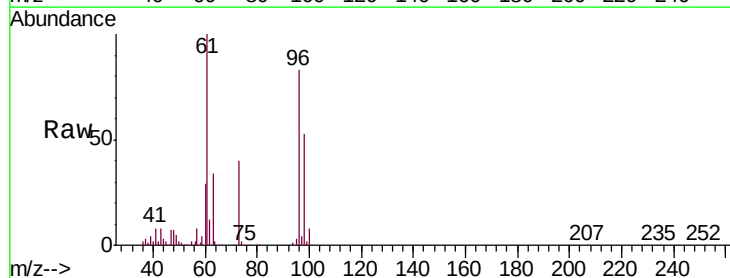
Tgt Ion: 96 Resp: 79723

Ion Ratio Lower Upper

96 100

61 120.6 89.2 165.6

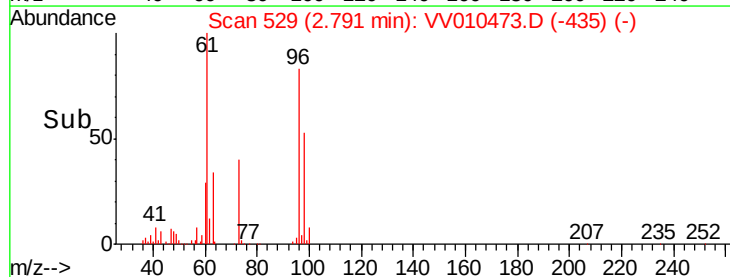
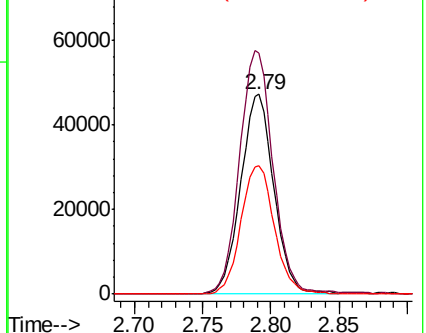
98 64.3 44.8 83.2

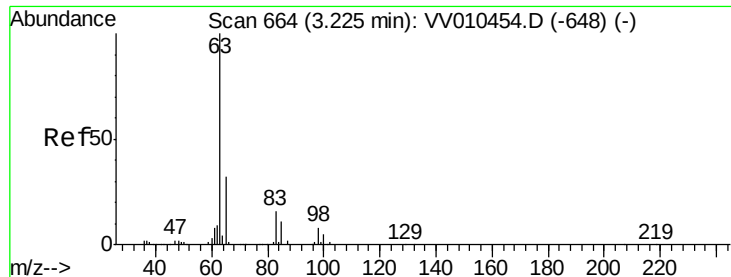


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

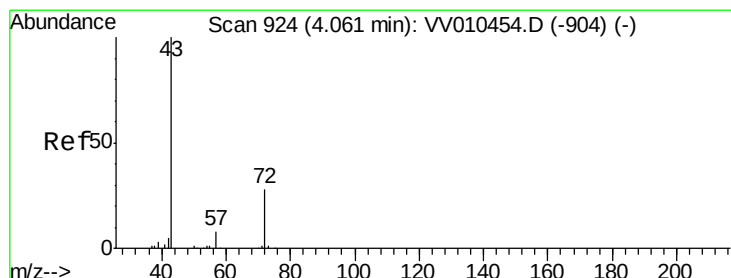
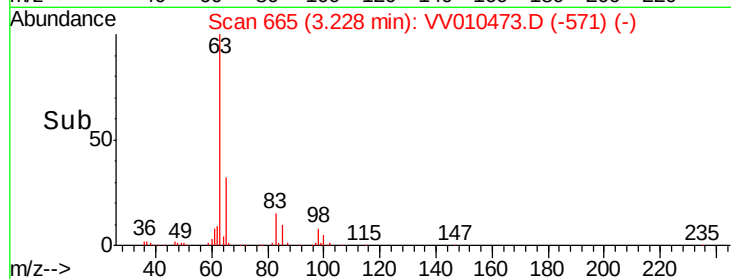
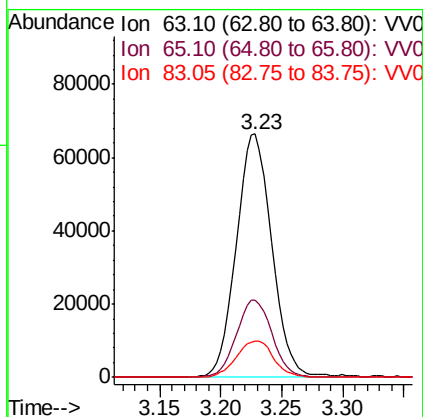
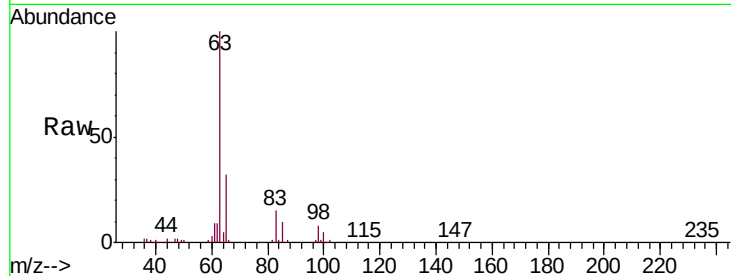




#19
 1,1-Dichloroethane
 Concen: 5.495 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV010473.D
 Acq: 24 Apr 2019 20:09

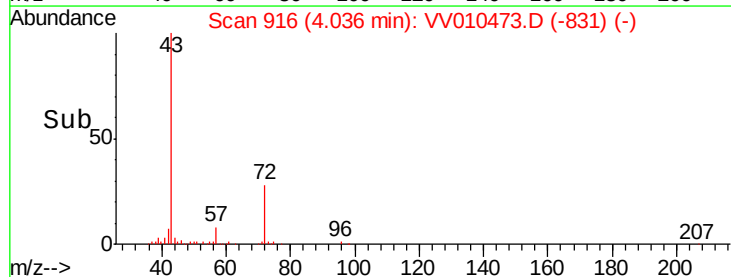
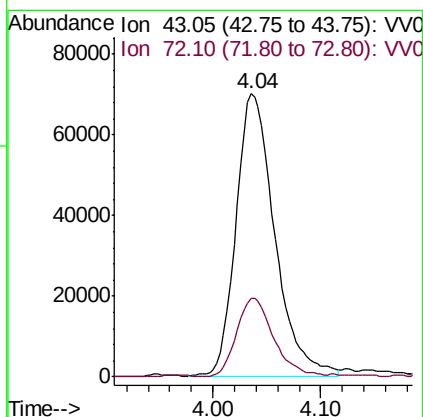
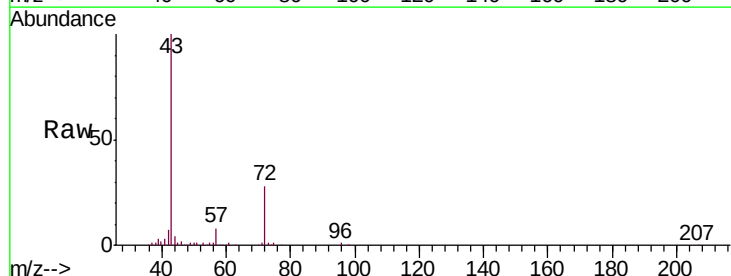
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

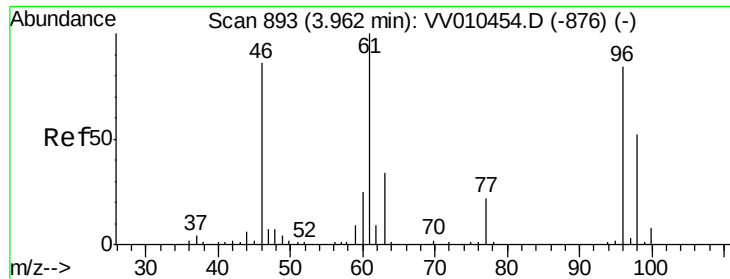
Tgt Ion: 63 Resp: 133986
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.7 42.3
 83 14.8 11.3 20.9



#21
 2-Butanone
 Concen: 57.487 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. -0.03 min
 Lab File: VV010473.D
 Acq: 24 Apr 2019 20:09

Tgt Ion: 43 Resp: 174416
 Ion Ratio Lower Upper
 43 100
 72 26.4 14.1 42.2



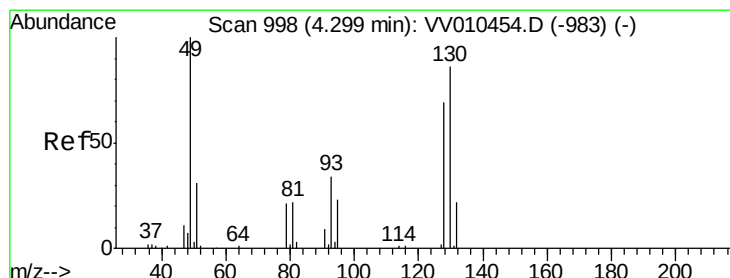
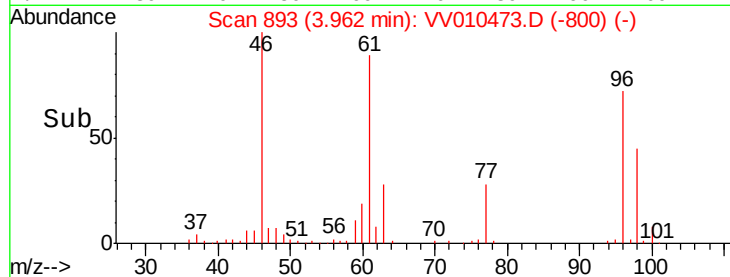
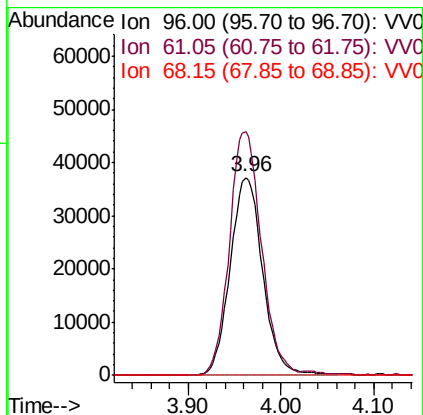
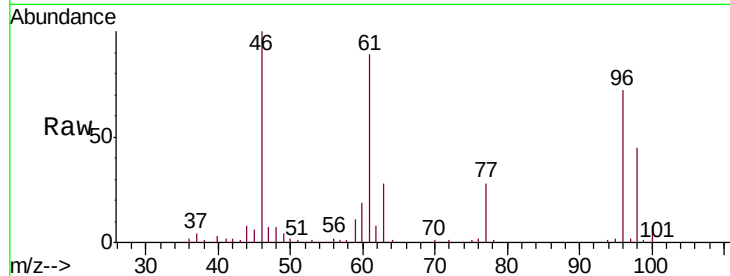


#22

cis-1,2-Dichloroethene
 Concen: 5.691 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV010473.D
 Acq: 24 Apr 2019 20:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

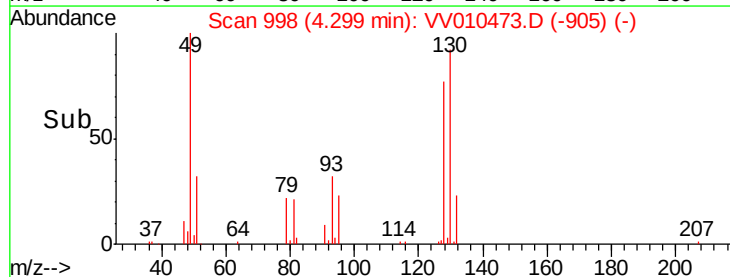
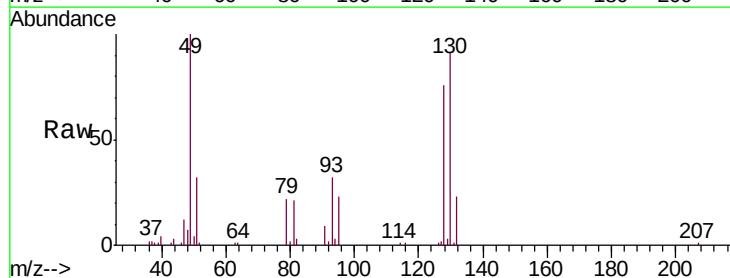
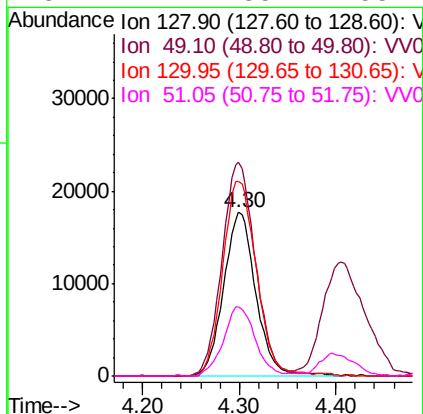
Tgt Ion: 96 Resp: 90700
 Ion Ratio Lower Upper
 96 100
 61 123.2 83.2 154.6
 68 0.0 0.0 0.0

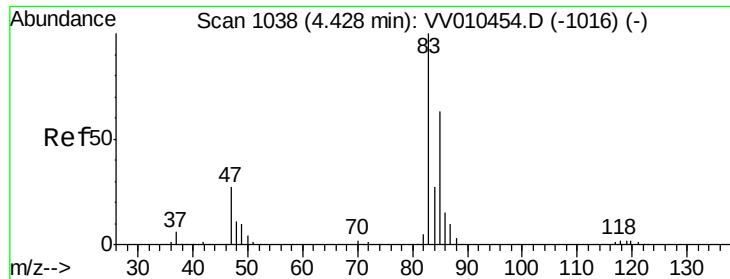


#23

Bromochloromethane
 Concen: 5.903 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV010473.D
 Acq: 24 Apr 2019 20:09

Tgt Ion: 128 Resp: 41022
 Ion Ratio Lower Upper
 128 100
 49 130.8 102.0 189.4
 130 119.5 87.6 162.6
 51 42.1 35.4 53.2

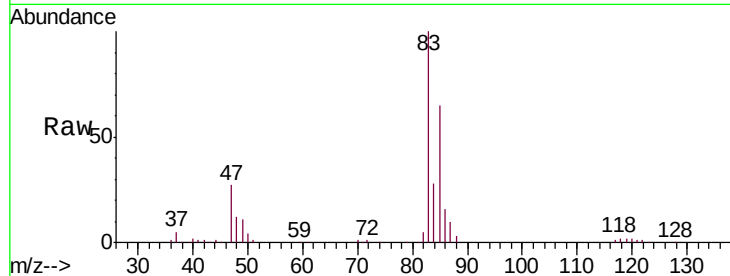




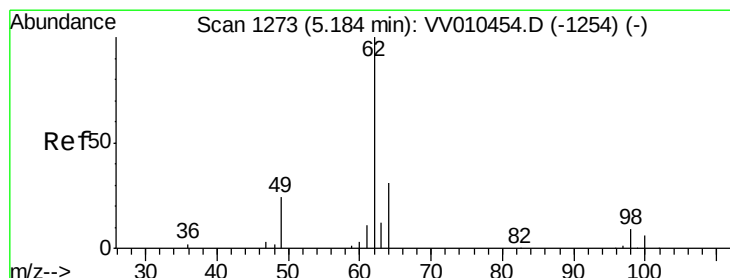
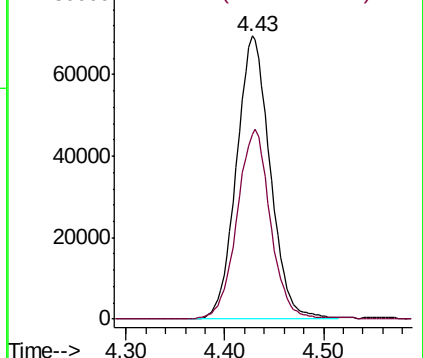
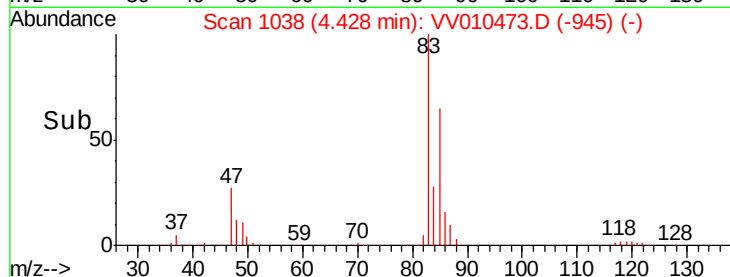
#25
Chloroform
Concen: 5.711 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV010473.D
Acq: 24 Apr 2019 20:09

Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

Tgt Ion: 83 Resp: 164132
Ion Ratio Lower Upper
83 100
85 65.5 44.3 82.3

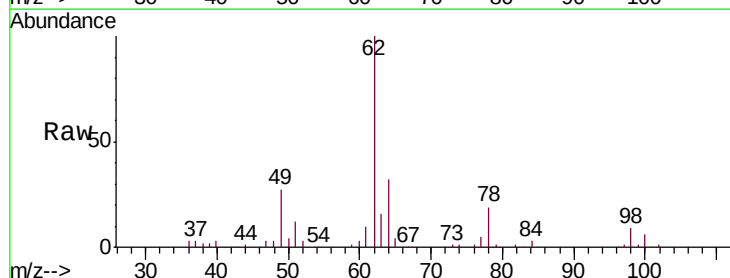


Abundance Ion 83.05 (82.75 to 83.75): VV010473.D (-945) (-)
Ion 85.00 (84.70 to 85.70): VV010473.D (-945) (-)

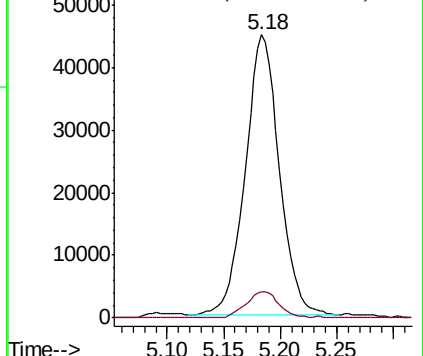
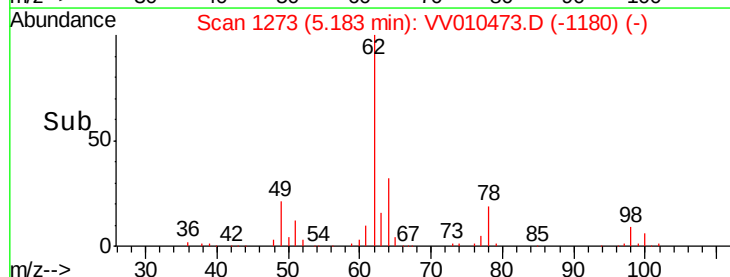


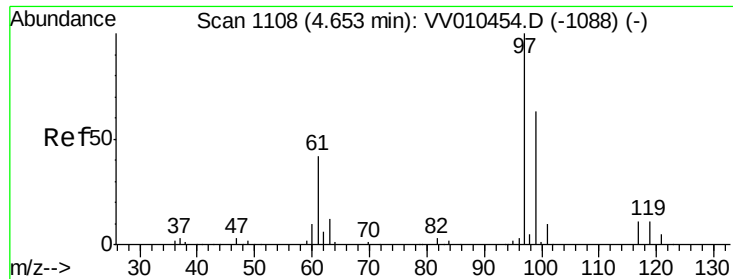
#27
1,2-Dichloroethane
Concen: 5.559 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV010473.D
Acq: 24 Apr 2019 20:09

Tgt Ion: 62 Resp: 93747
Ion Ratio Lower Upper
62 100
98 9.2 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VV010473.D (-1180) (-)
Ion 98.05 (97.75 to 98.75): VV010473.D (-1180) (-)

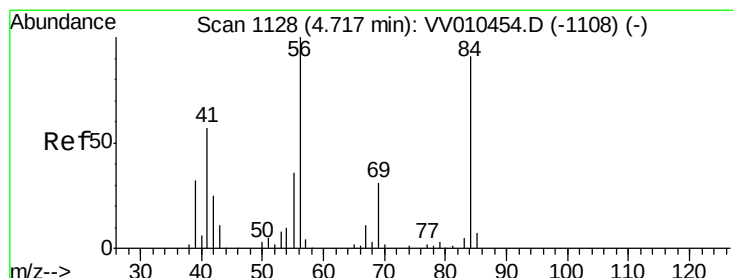
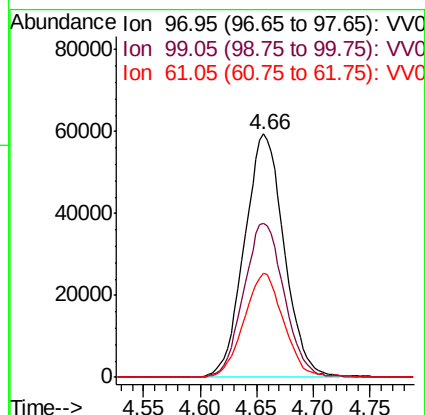
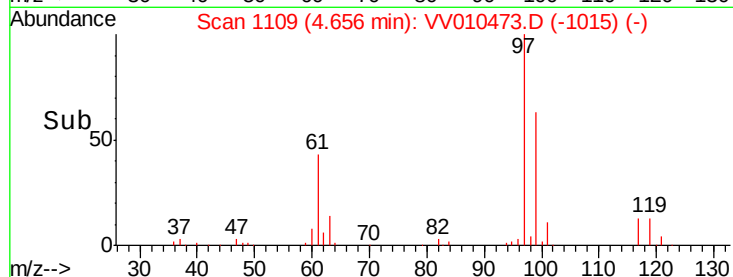
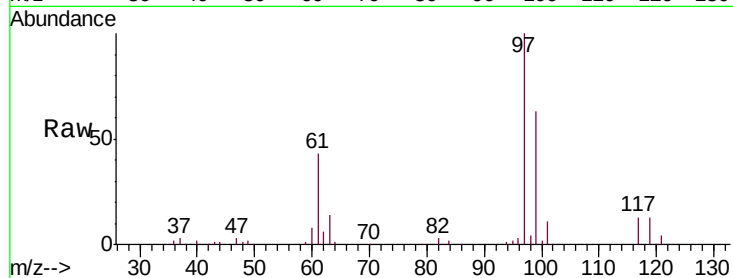




#29
 1,1,1-Trichloroethane
 Concen: 5.303 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV010473.D
 Acq: 24 Apr 2019 20:09

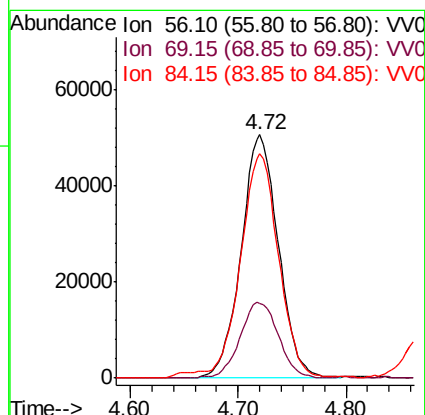
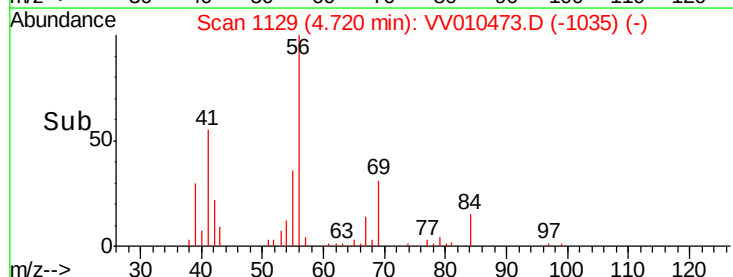
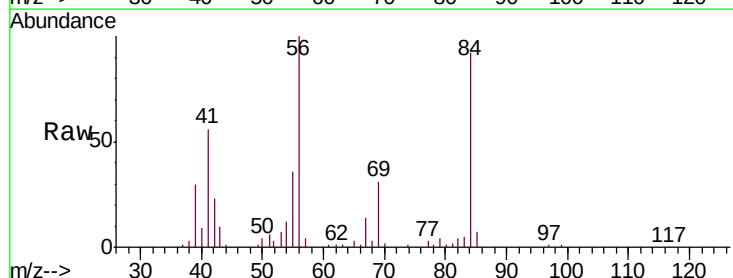
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

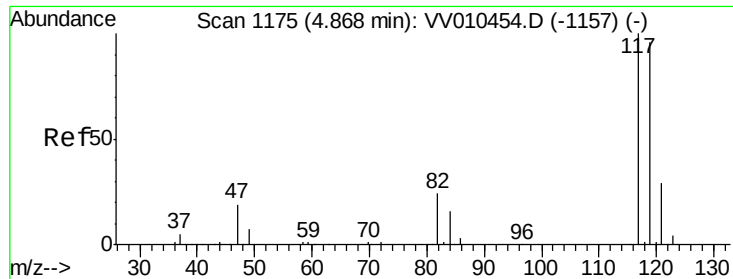
Tgt Ion: 97 Resp: 145175
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.2 78.2
 61 42.3 33.7 50.5



#30
 Cyclohexane
 Concen: 5.250 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV010473.D
 Acq: 24 Apr 2019 20:09

Tgt Ion: 56 Resp: 121225
 Ion Ratio Lower Upper
 56 100
 69 32.1 25.5 38.3
 84 96.2 76.7 115.1

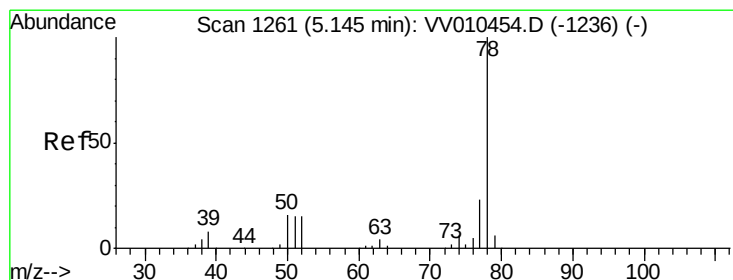
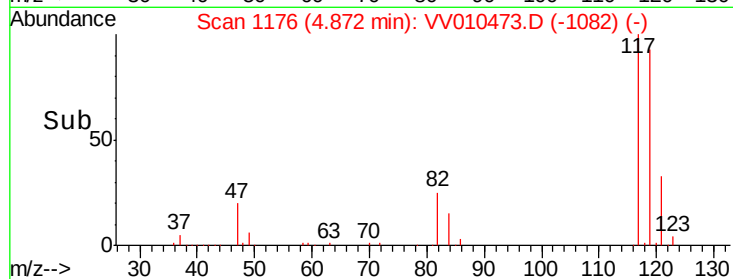
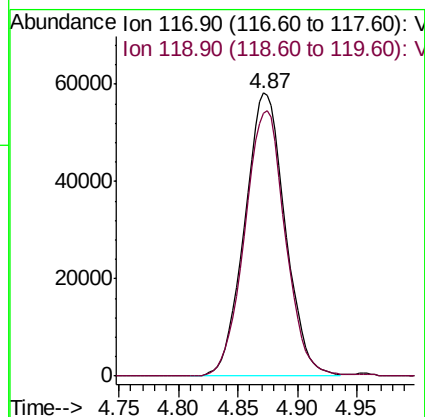
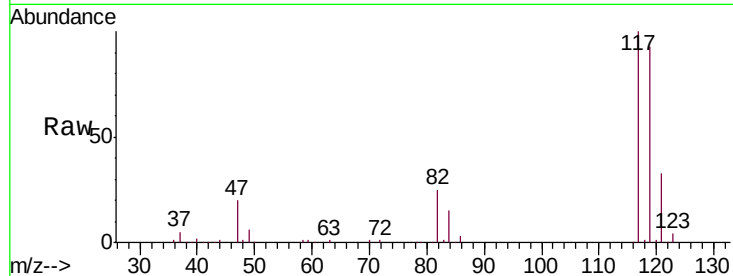




#31
 Carbon tetrachloride
 Concen: 5.513 ug/L
 RT: 4.87 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VV010473.D
 Acq: 24 Apr 2019 20:09

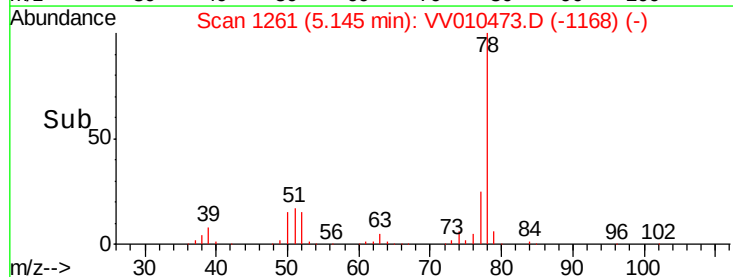
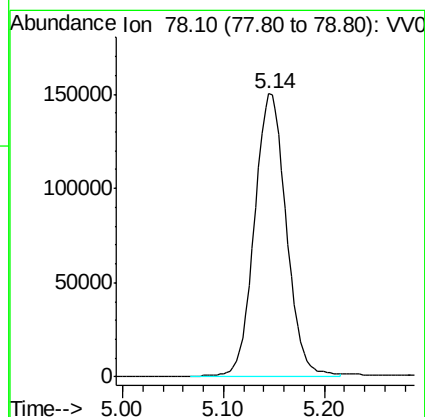
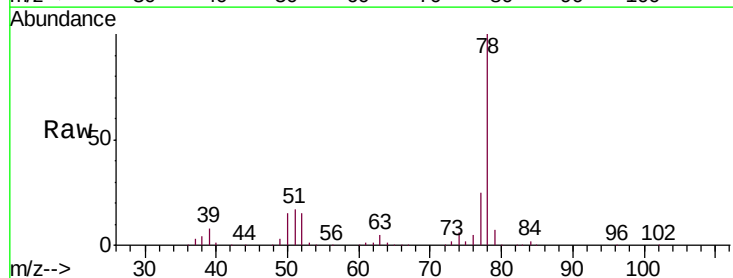
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

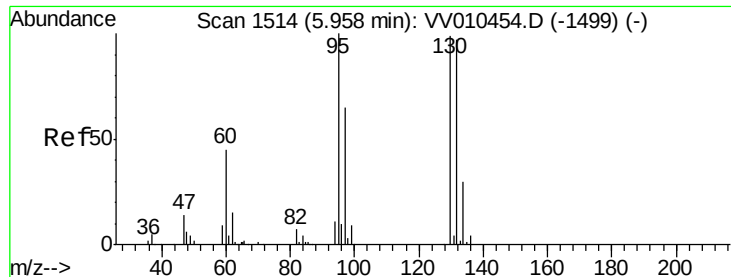
Tgt Ion:117 Resp: 137197
 Ion Ratio Lower Upper
 117 100
 119 94.2 76.5 114.7



#33
 Benzene
 Concen: 5.490 ug/L
 RT: 5.14 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VV010473.D
 Acq: 24 Apr 2019 20:09

Tgt Ion: 78 Resp: 329951





#34

Trichloroethene

Concen: 5.379 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

Tgt Ion: 95 Resp: 93269

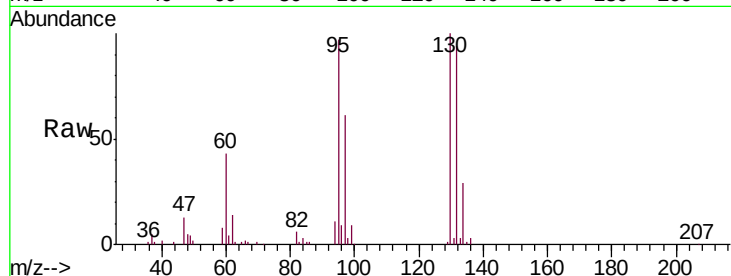
Ion Ratio Lower Upper

95 100

97 62.4 45.6 84.6

132 97.0 67.8 126.0

130 103.1 69.0 128.2



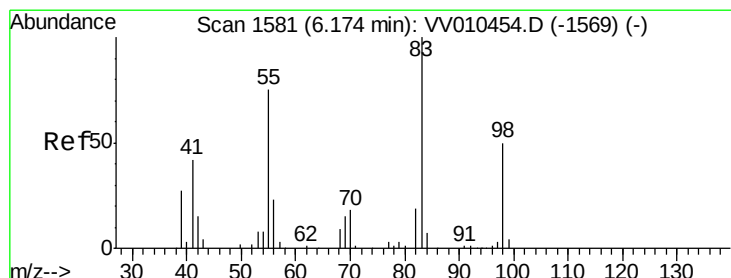
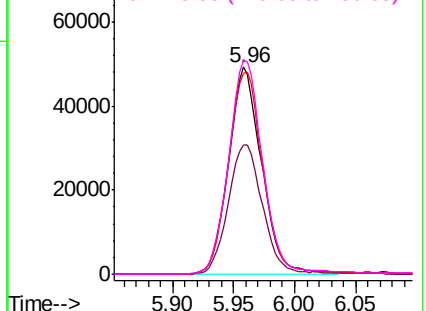
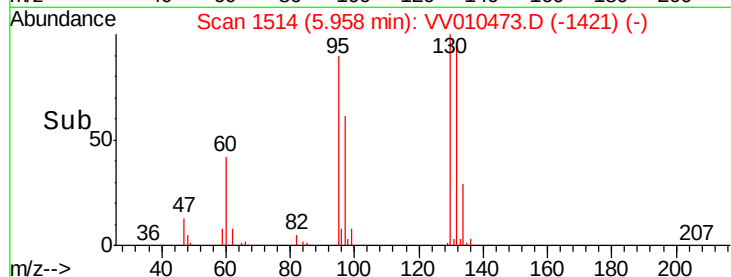
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.191 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

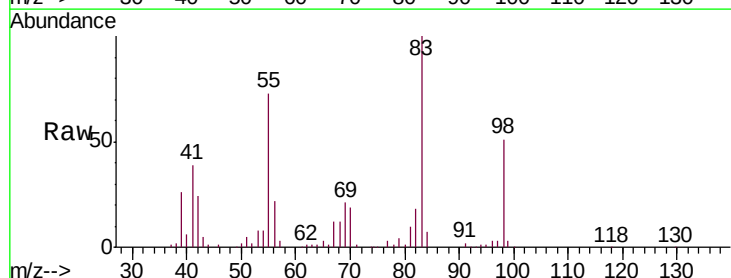
Tgt Ion: 83 Resp: 135092

Ion Ratio Lower Upper

83 100

55 72.6 57.8 86.6

98 49.7 38.8 58.2

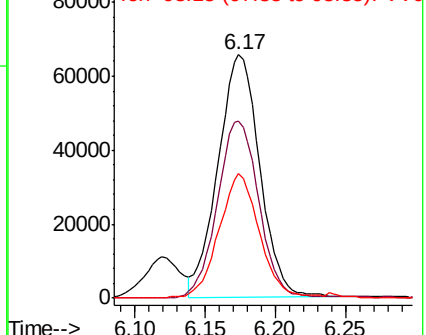
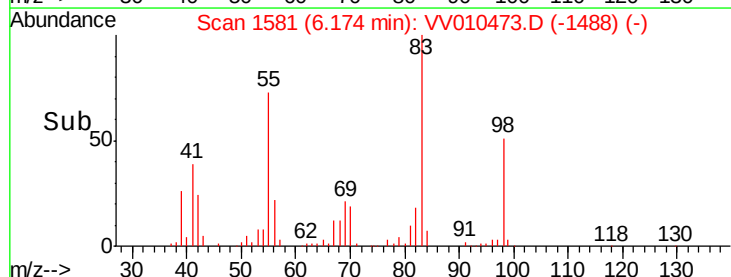


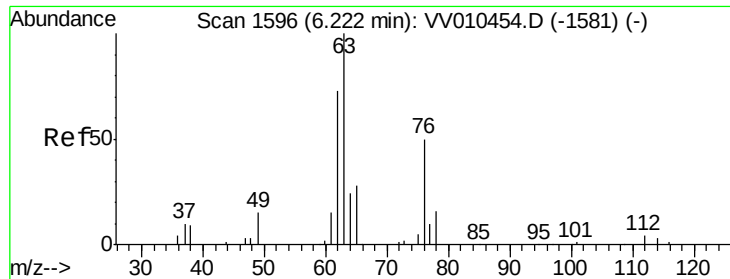
Abundance

Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

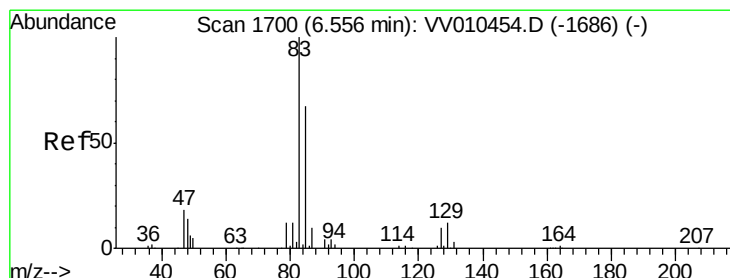
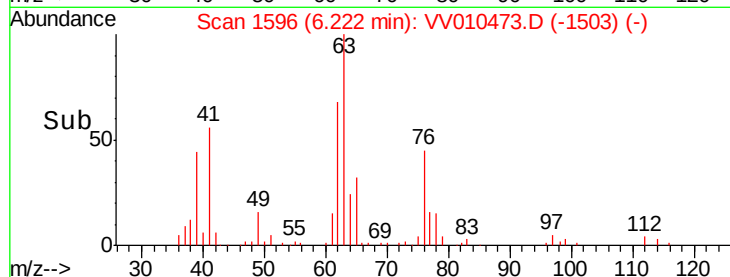
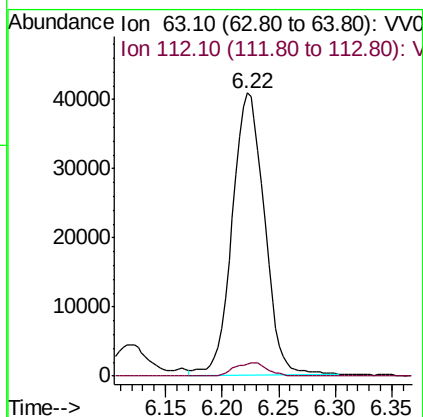
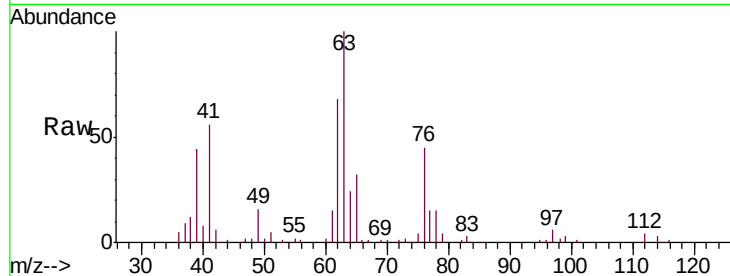




#37
 1,2-Dichloropropane
 Concen: 5.545 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV010473.D
 Acq: 24 Apr 2019 20:09

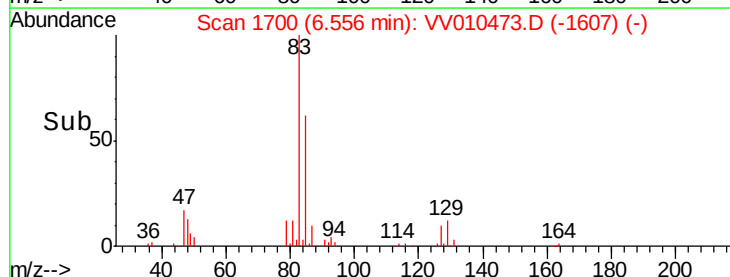
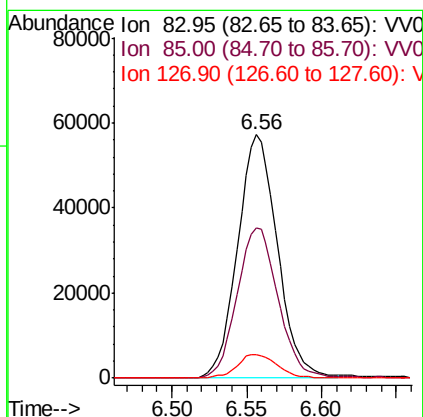
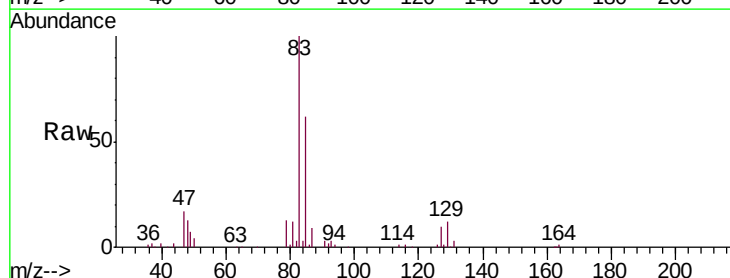
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

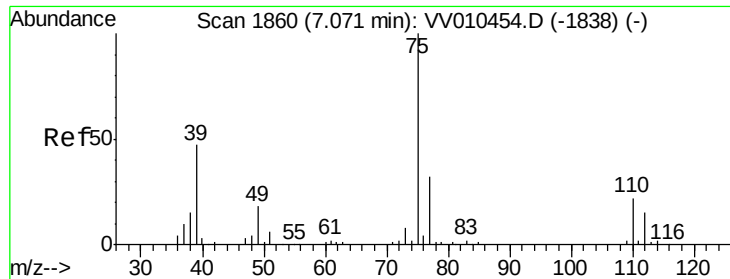
Tgt Ion: 63 Resp: 80878
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.6



#38
 Bromodichloromethane
 Concen: 5.393 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV010473.D
 Acq: 24 Apr 2019 20:09

Tgt Ion: 83 Resp: 105871
 Ion Ratio Lower Upper
 83 100
 85 61.9 46.6 86.6
 127 9.6 7.8 11.8

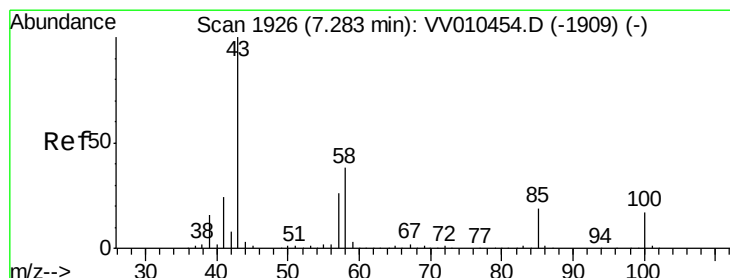
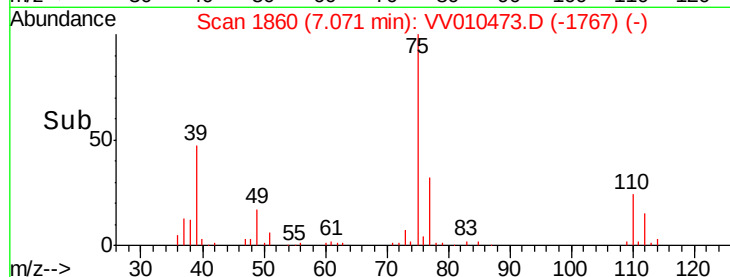
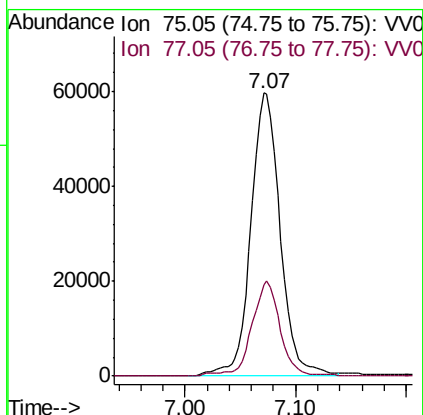
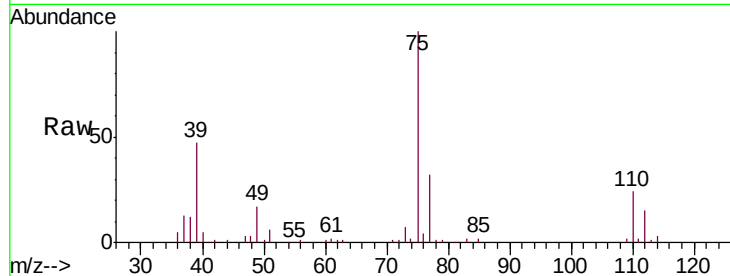




#39
 cis-1,3-Dichloropropene
 Concen: 5.093 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV010473.D
 Acq: 24 Apr 2019 20:09

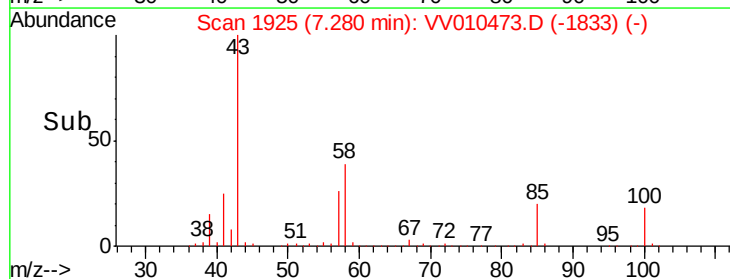
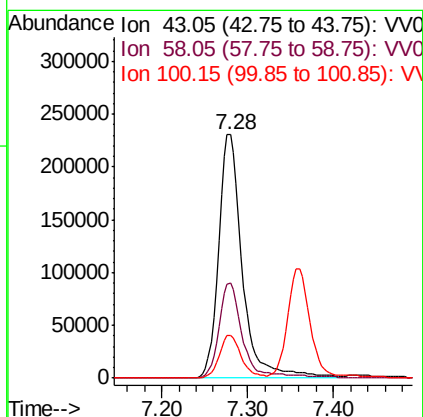
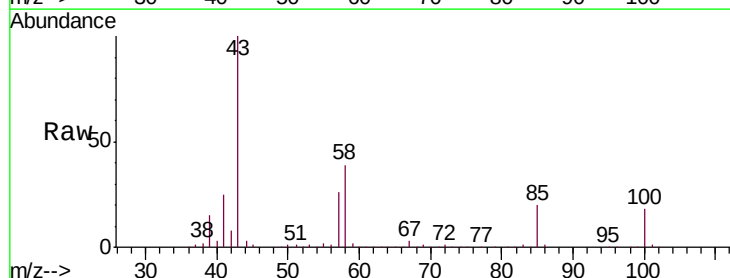
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

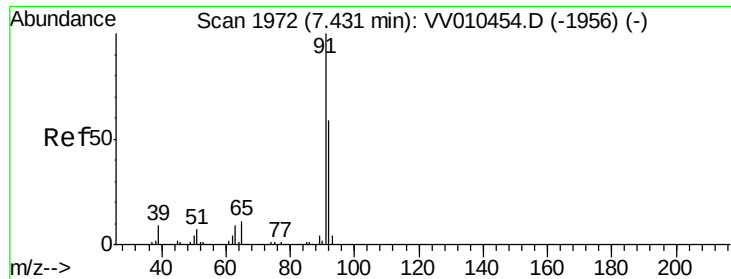
Tgt Ion: 75 Resp: 110155
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 53.620 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. -0.00 min
 Lab File: VV010473.D
 Acq: 24 Apr 2019 20:09

Tgt Ion: 43 Resp: 442182
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.3 45.5
 100 16.3 13.0 19.4





#42

Toluene

Concen: 5.434 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

Instrument :

MSVOA_V

ClientSampleId :

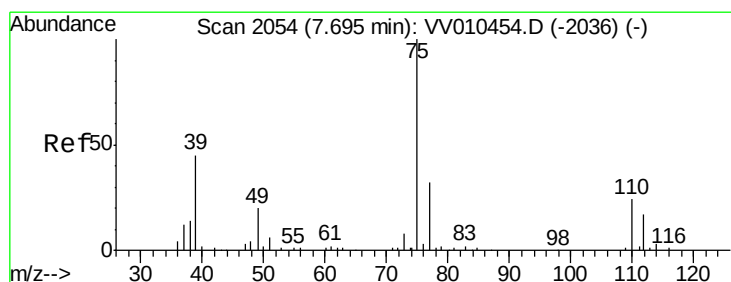
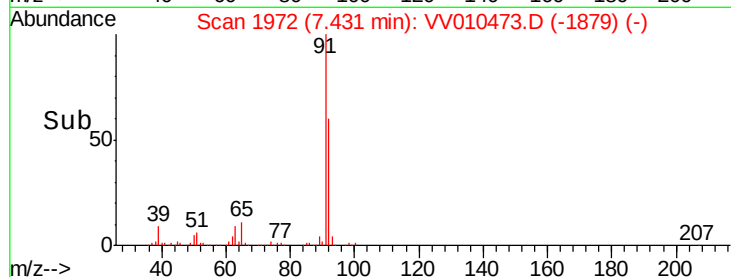
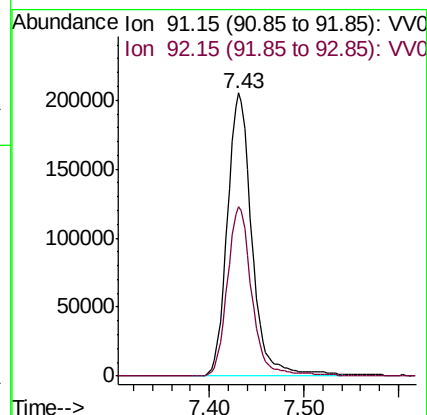
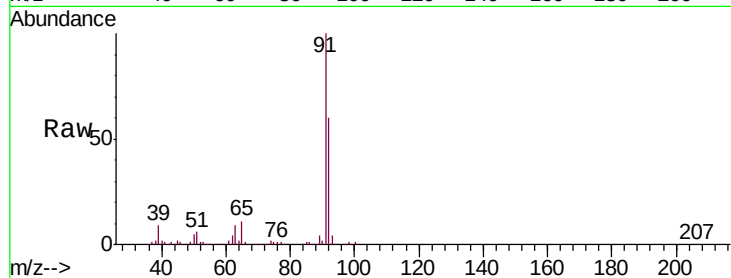
VSTD00545

Tgt Ion: 91 Resp: 371590

Ion Ratio Lower Upper

91 100

92 60.0 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 5.303 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV010473.D

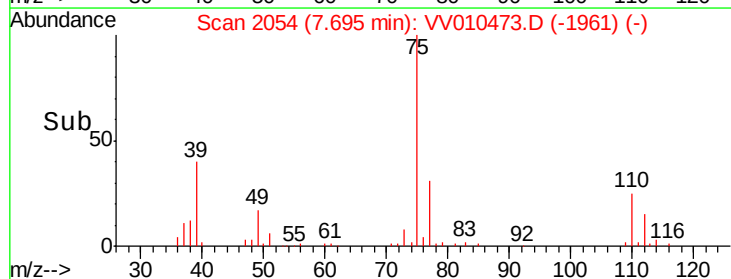
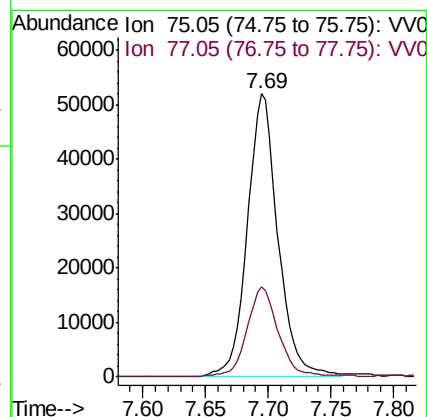
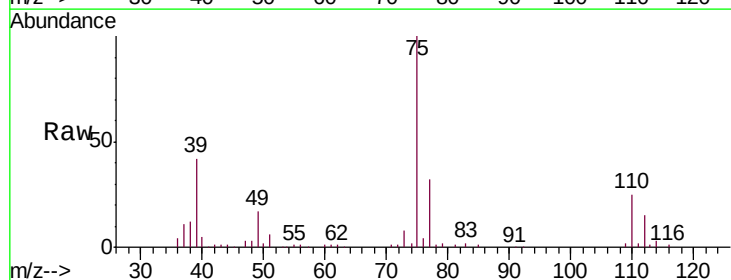
Acq: 24 Apr 2019 20:09

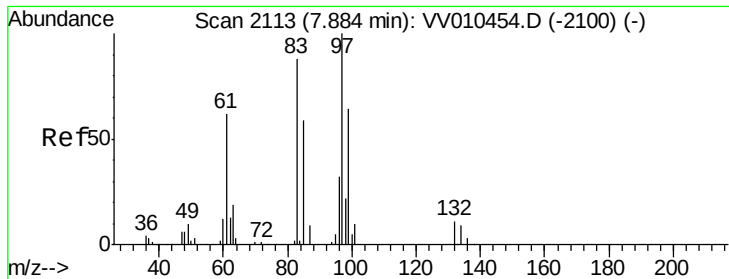
Tgt Ion: 75 Resp: 88591

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1

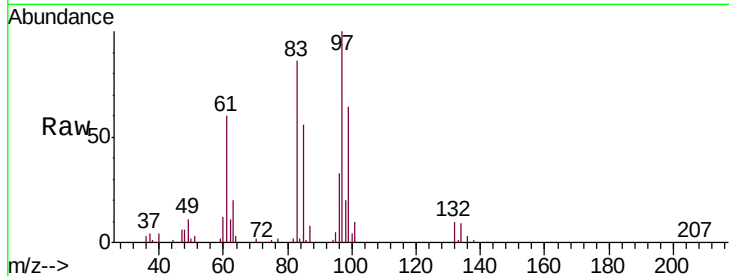




#45
 1,1,2-Trichloroethane
 Concen: 5.491 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV010473.D
 Acq: 24 Apr 2019 20:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

Tgt Ion:	97	Resp:	58664
Ion	Ratio	Lower	Upper
97	100		
99	63.9	45.1	83.7
83	86.1	61.7	114.7
85	56.2	41.2	76.4



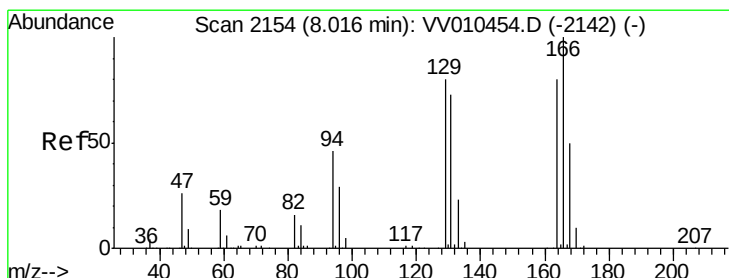
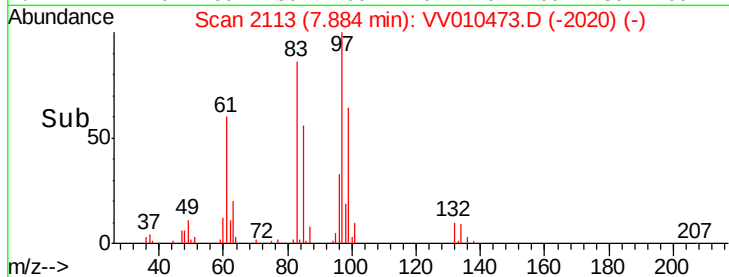
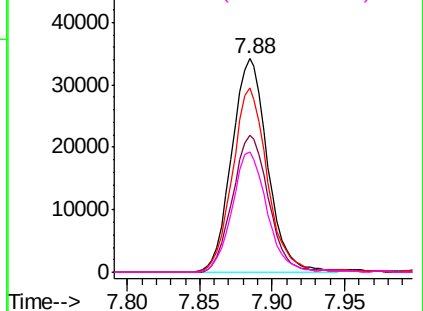
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

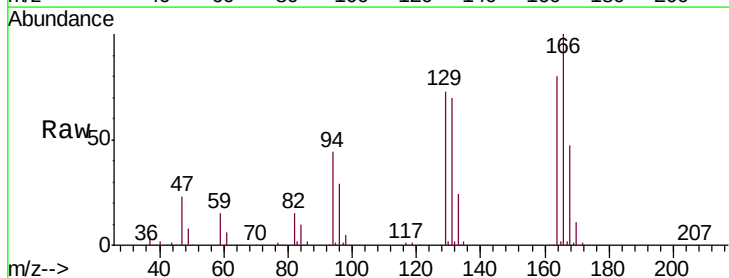
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.320 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010473.D
 Acq: 24 Apr 2019 20:09

Tgt Ion:	164	Resp:	82370
Ion	Ratio	Lower	Upper
164	100		
129	91.2	69.7	129.4
131	88.1	63.8	118.6
166	125.0	87.4	162.2



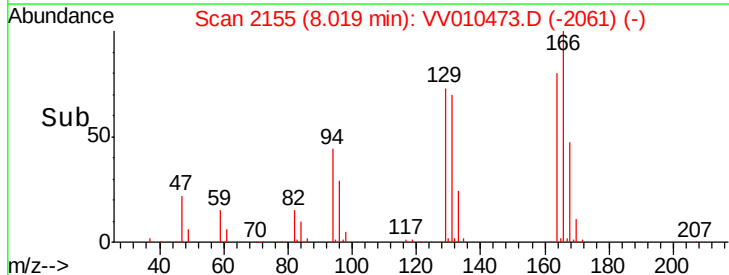
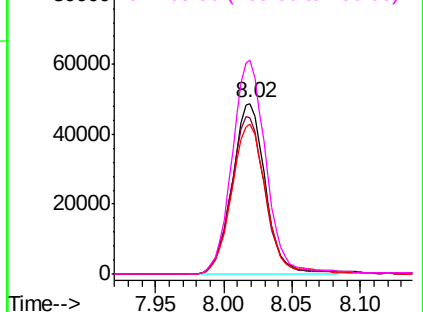
Abundance

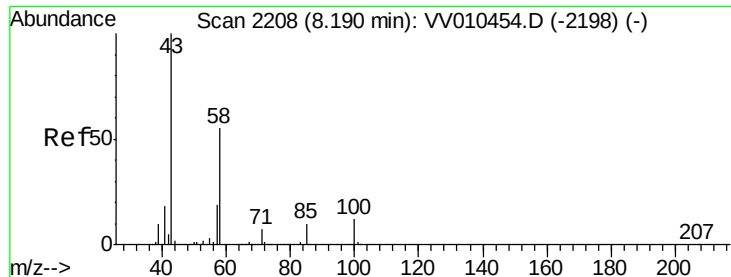
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

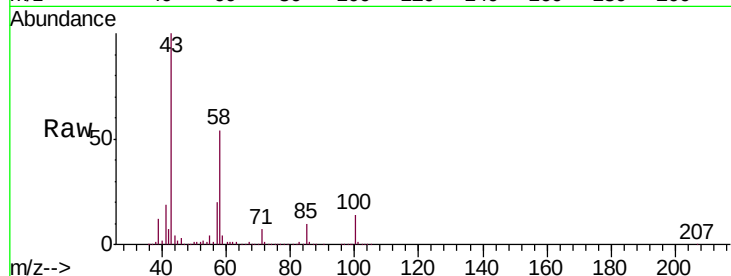




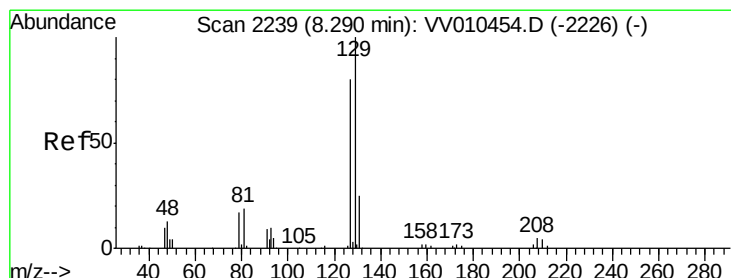
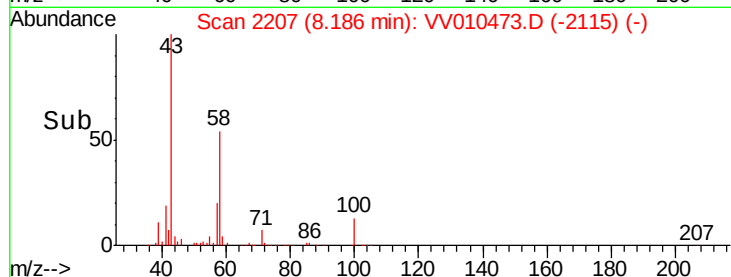
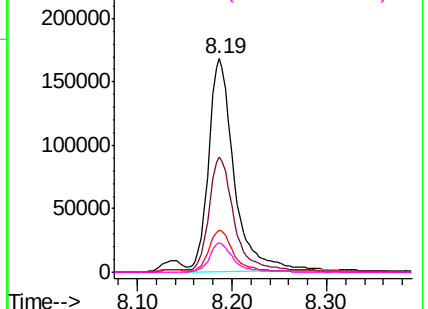
#48
2-Hexanone
Concen: 54.851 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV010473.D
Acq: 24 Apr 2019 20:09

Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

Tgt Ion:	43	Resp:	314639
Ion	Ratio	Lower	Upper
43	100		
58	53.2	42.2	63.4
57	19.3	15.3	22.9
100	12.8	9.6	14.4

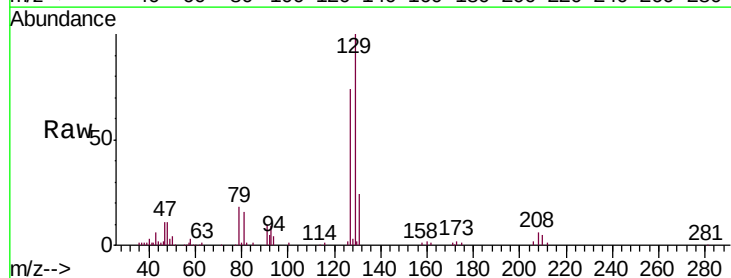


Abundance Ion 43.05 (42.75 to 43.75): VV010473.D (-2198) (-)
Ion 58.05 (57.75 to 58.75): VV010473.D (-2198) (-)
Ion 57.20 (56.90 to 57.90): VV010473.D (-2198) (-)
Ion 100.15 (99.85 to 100.85): VV010473.D (-2198) (-)

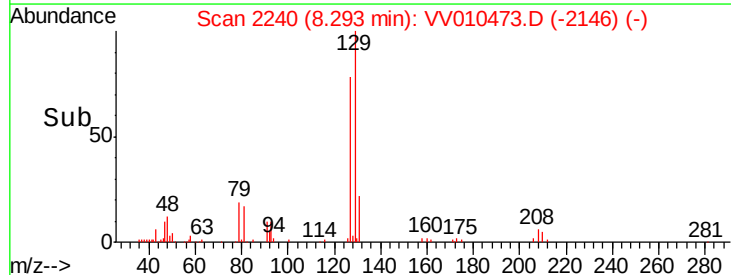
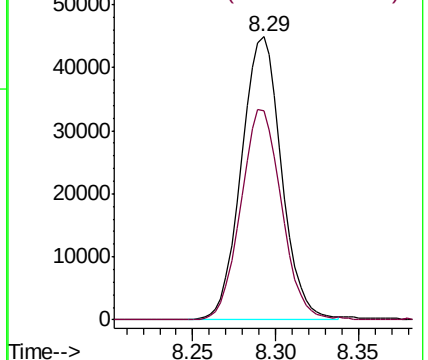


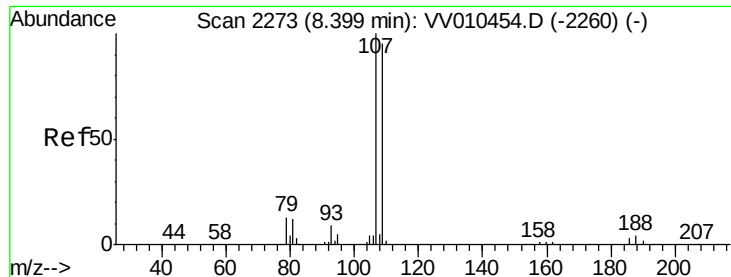
#49
Dibromochloromethane
Concen: 5.488 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV010473.D
Acq: 24 Apr 2019 20:09

Tgt Ion:	129	Resp:	75735
Ion	Ratio	Lower	Upper
129	100		
127	73.8	56.1	104.1



Abundance Ion 128.95 (128.65 to 129.65): VV010473.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV010473.D (-2146) (-)





#50

1,2-Dibromoethane

Concen: 5.557 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

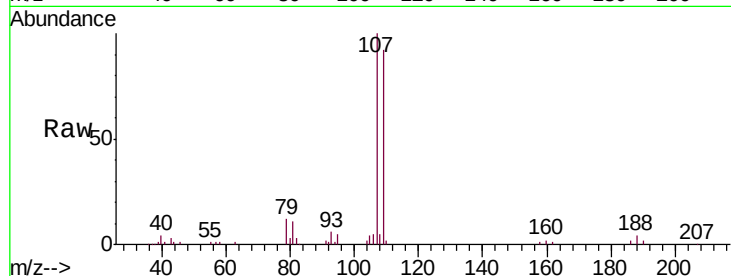
Tgt Ion:107 Resp: 57546

Ion Ratio Lower Upper

107 100

109 92.3 66.1 122.8

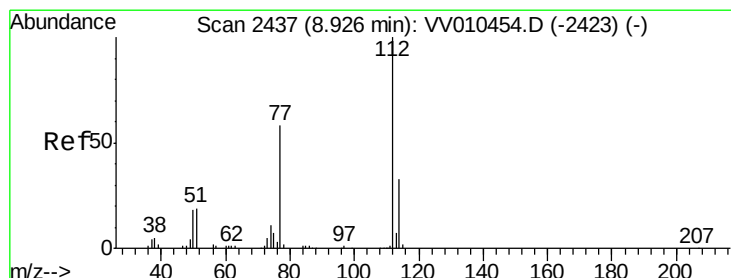
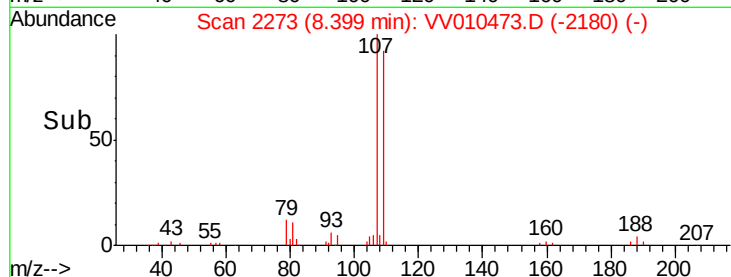
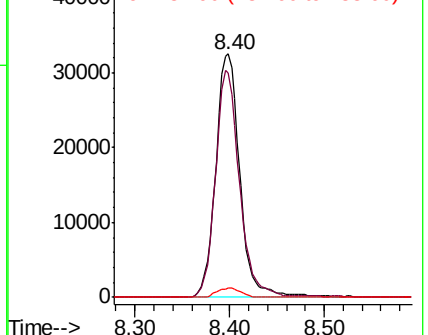
188 4.0 3.4 5.0



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 5.449 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

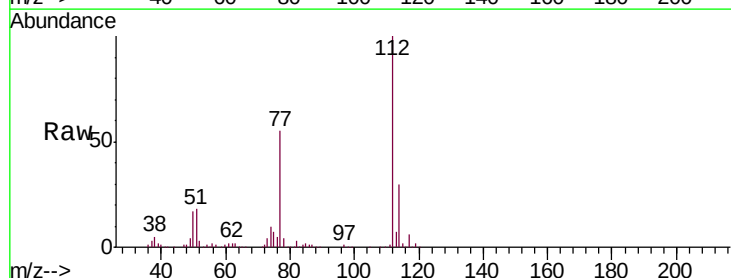
Tgt Ion:112 Resp: 253151

Ion Ratio Lower Upper

112 100

114 30.4 23.0 42.6

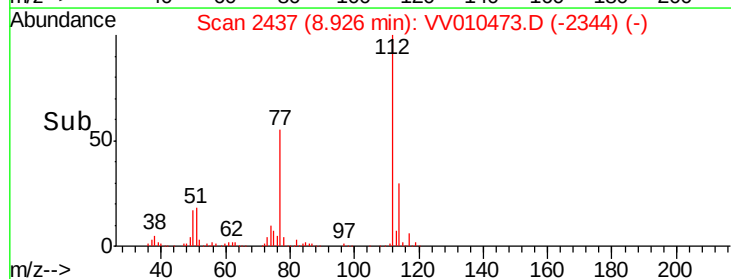
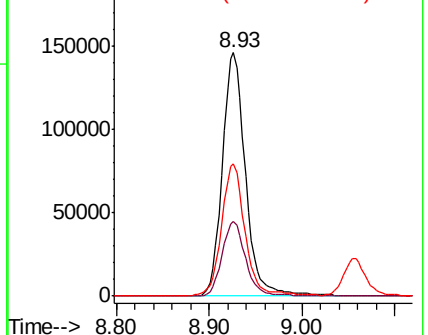
77 54.5 46.8 70.2

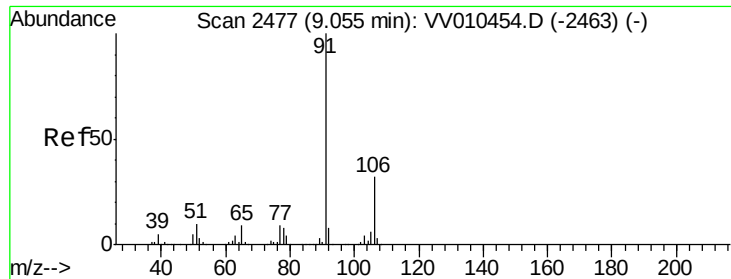


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.351 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

Instrument :

MSVOA_V

ClientSampleId :

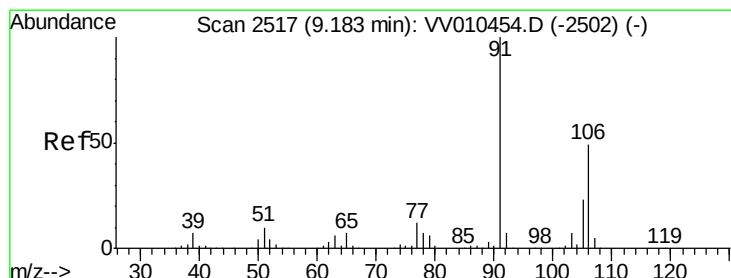
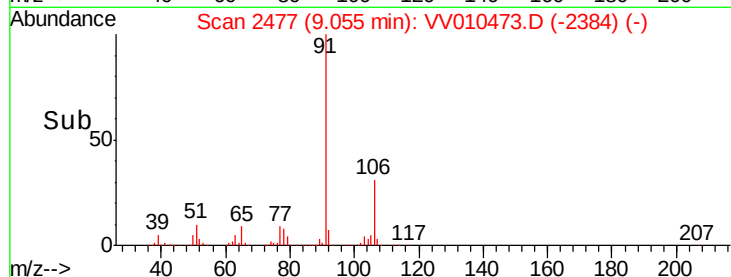
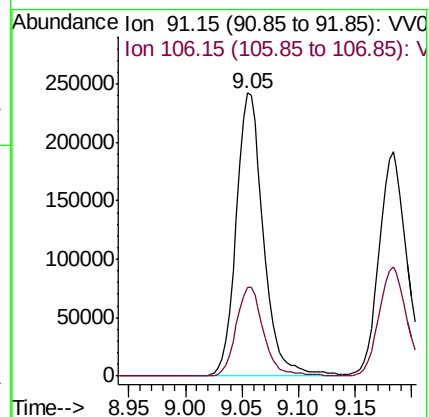
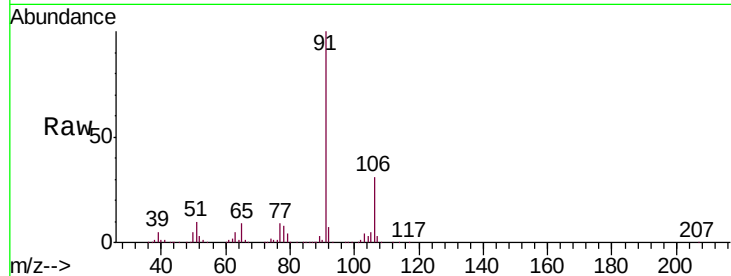
VSTD00545

Tgt Ion: 91 Resp: 406581

Ion Ratio Lower Upper

91 100

106 31.3 22.4 41.6



#53

m,p-xylene

Concen: 5.426 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV010473.D

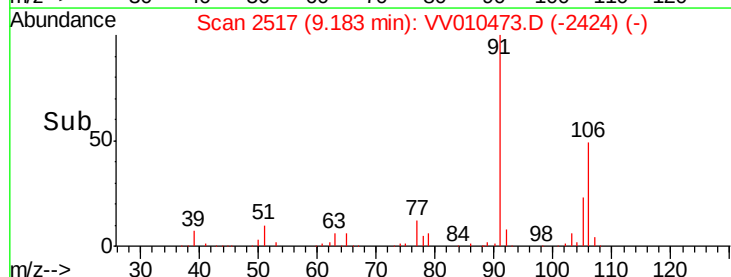
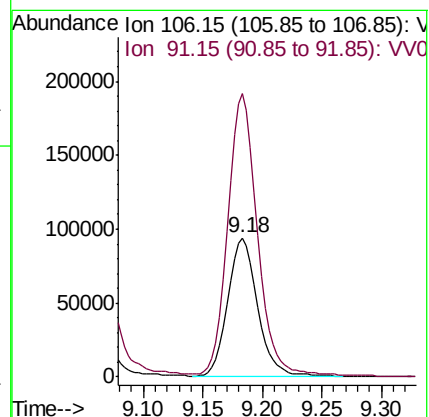
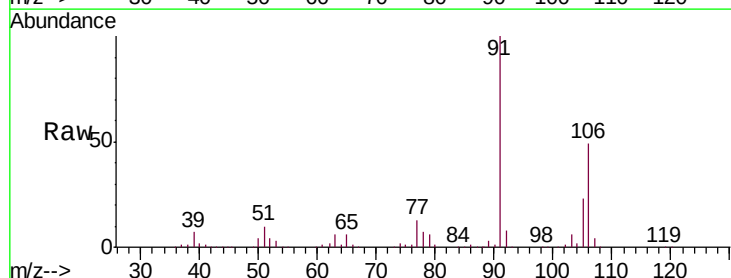
Acq: 24 Apr 2019 20:09

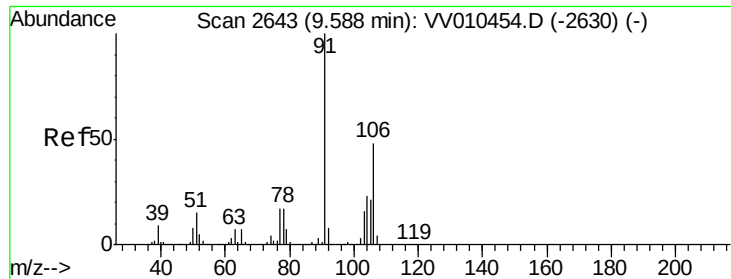
Tgt Ion: 106 Resp: 162119

Ion Ratio Lower Upper

106 100

91 203.7 142.9 265.3





#54

o-xylene

Concen: 5.431 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

Instrument :

MSVOA_V

ClientSampleId :

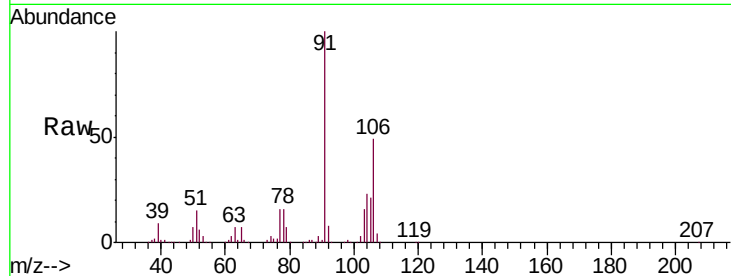
VSTD00545

Tgt Ion:106 Resp: 159214

Ion Ratio Lower Upper

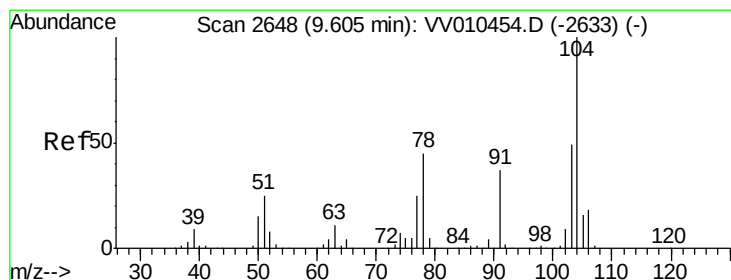
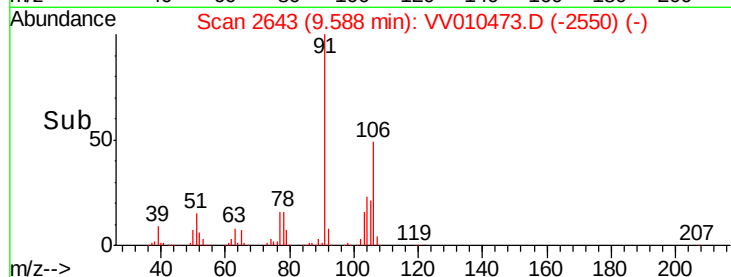
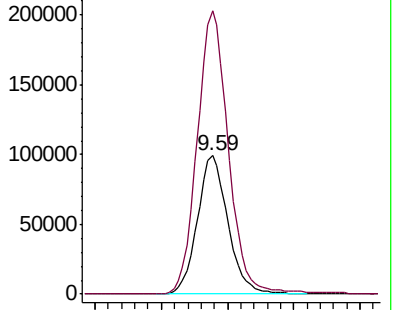
106 100

91 204.1 147.5 273.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.712 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV010473.D

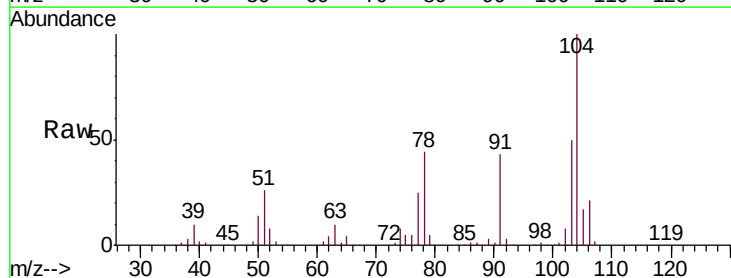
Acq: 24 Apr 2019 20:09

Tgt Ion:104 Resp: 271628

Ion Ratio Lower Upper

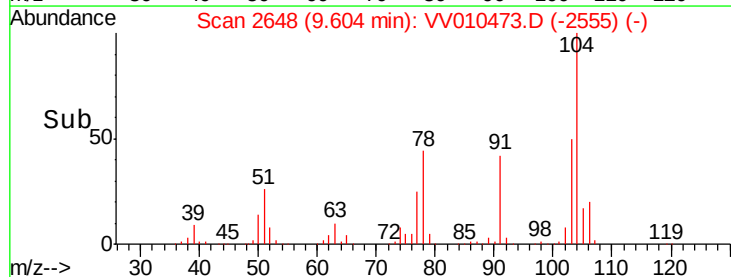
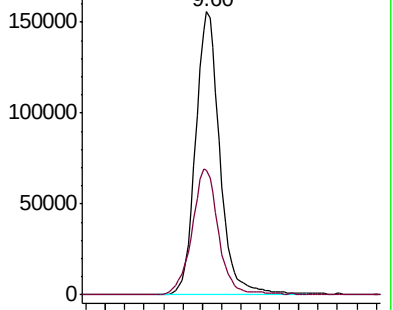
104 100

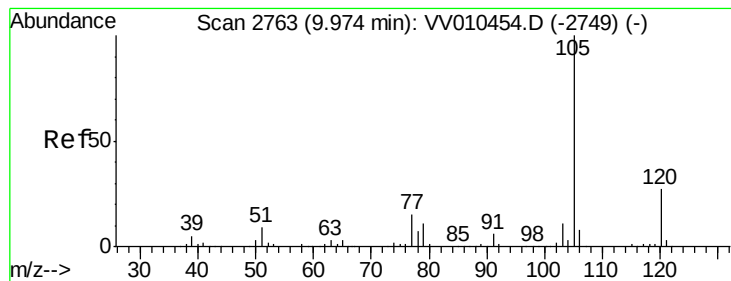
78 44.3 31.4 58.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.370 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

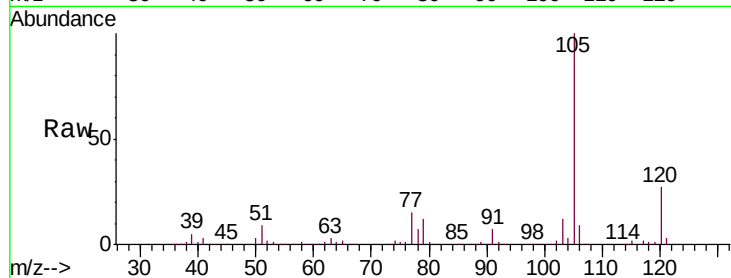
Tgt Ion: 105 Resp: 419247

Ion Ratio Lower Upper

105 100

120 27.4 21.9 32.9

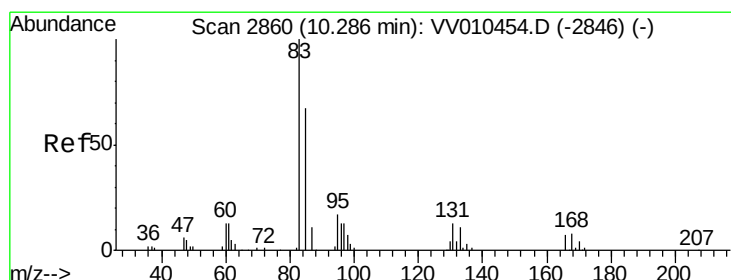
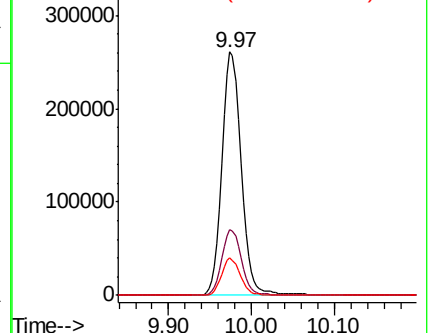
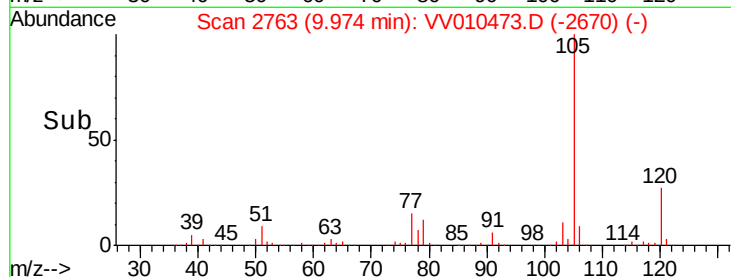
77 15.0 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.532 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

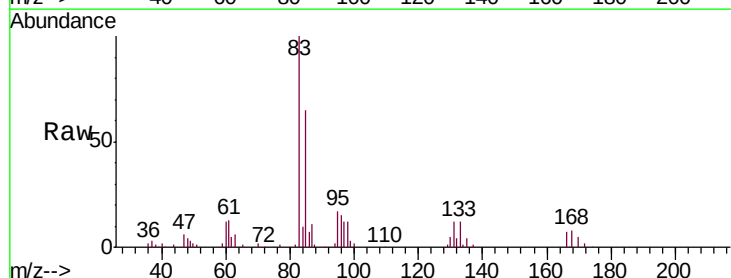
Tgt Ion: 83 Resp: 67980

Ion Ratio Lower Upper

83 100

85 65.4 46.9 87.1

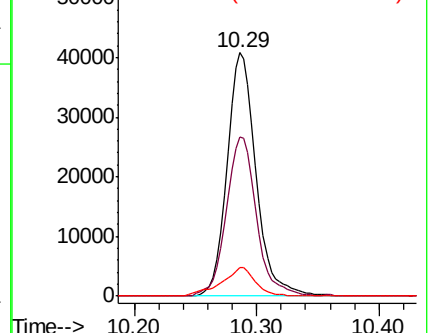
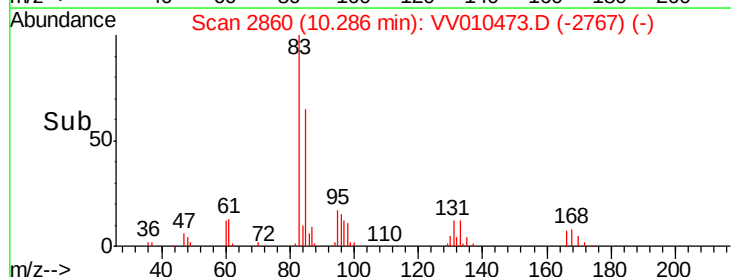
131 11.6 10.3 15.5

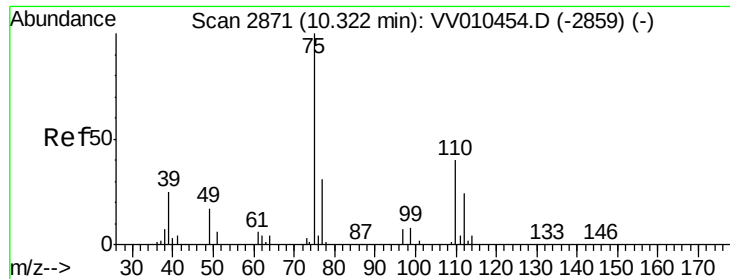


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

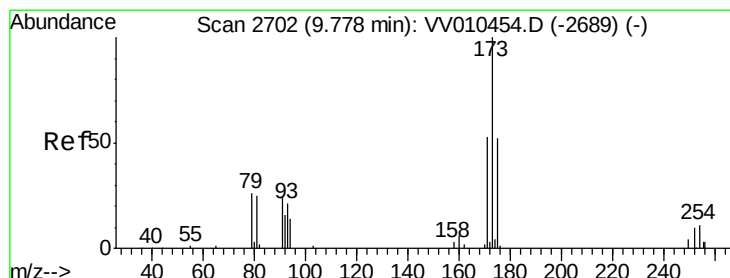
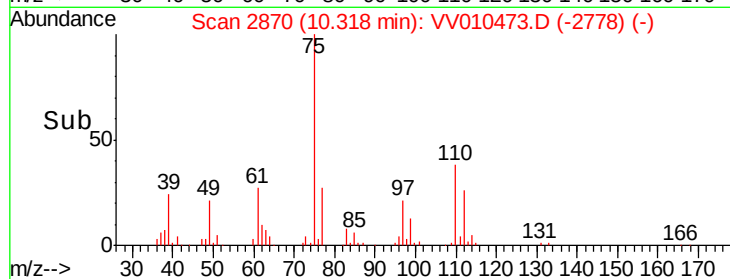
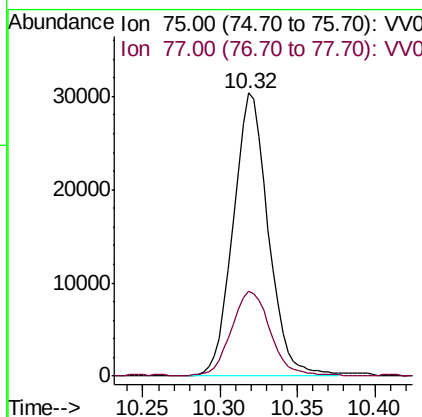
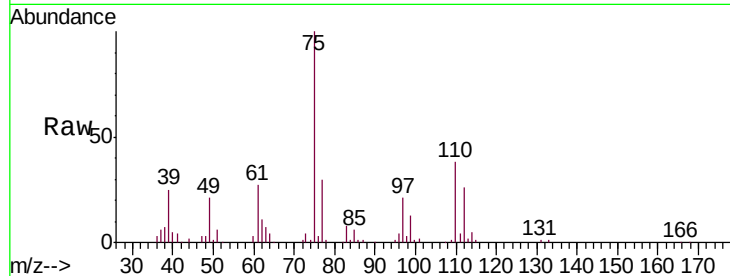




#59
 1,2,3-Trichloropropane
 Concen: 5.294 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV010473.D
 Acq: 24 Apr 2019 20:09

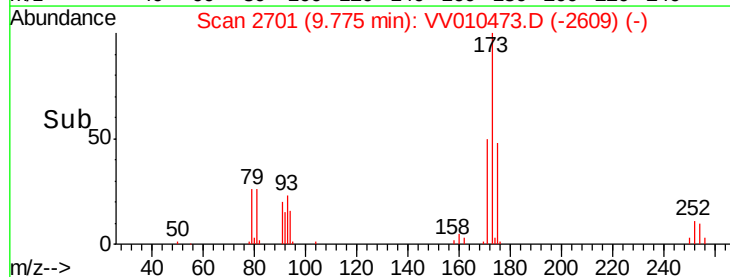
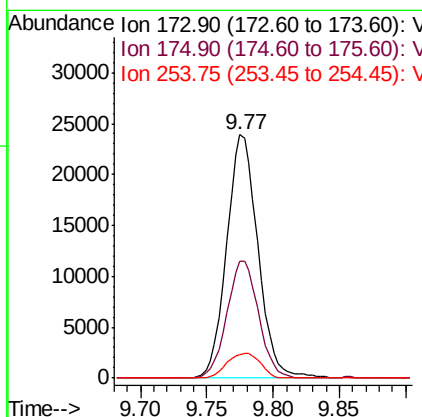
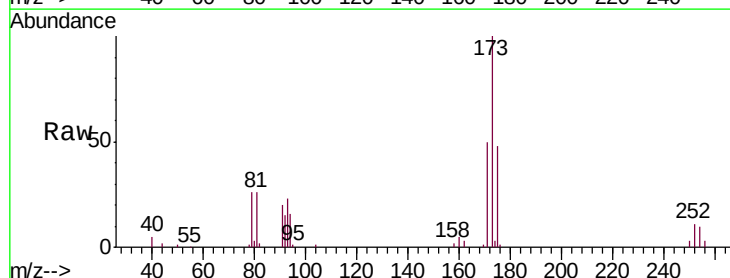
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

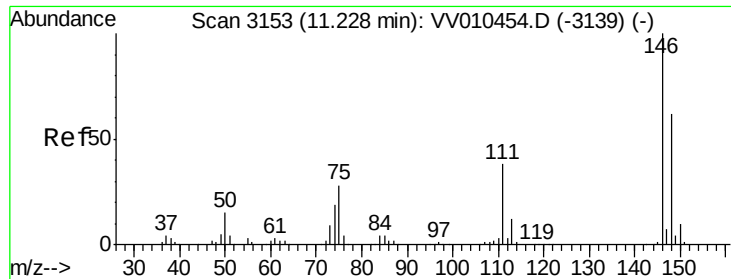
Tgt Ion: 75 Resp: 47762
 Ion Ratio Lower Upper
 75 100
 77 33.7 25.9 38.9



#61
 Bromoform
 Concen: 5.442 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV010473.D
 Acq: 24 Apr 2019 20:09

Tgt Ion: 173 Resp: 39225
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.9 58.3
 254 10.8 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 5.395 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

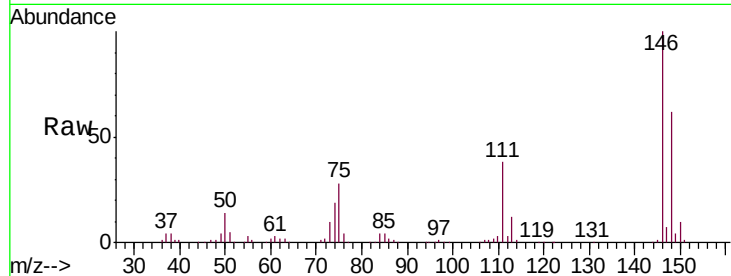
Tgt Ion:146 Resp: 204392

Ion Ratio Lower Upper

146 100

111 37.8 26.3 48.9

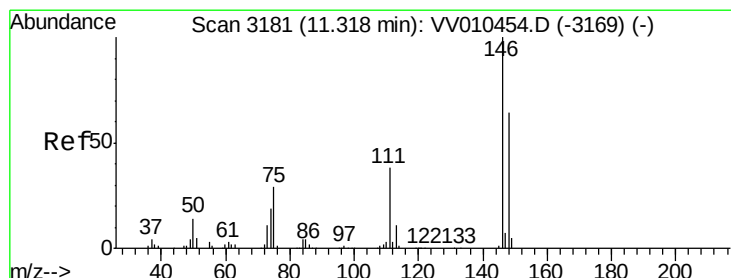
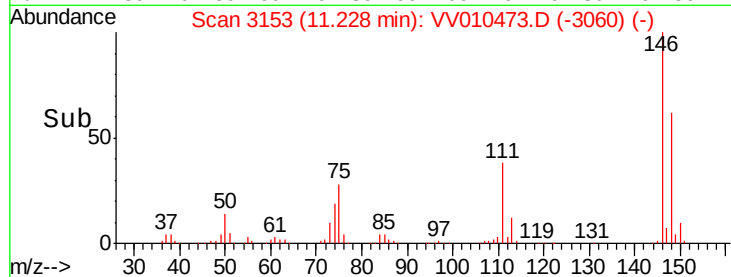
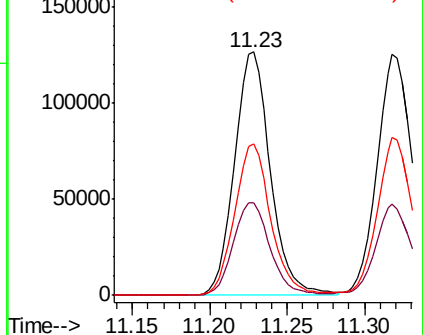
148 62.2 43.3 80.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.403 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

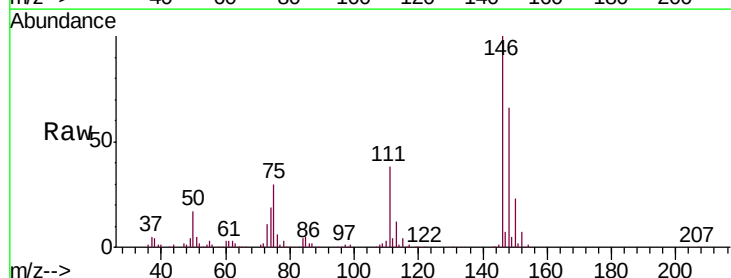
Tgt Ion:146 Resp: 206154

Ion Ratio Lower Upper

146 100

111 37.8 26.6 49.4

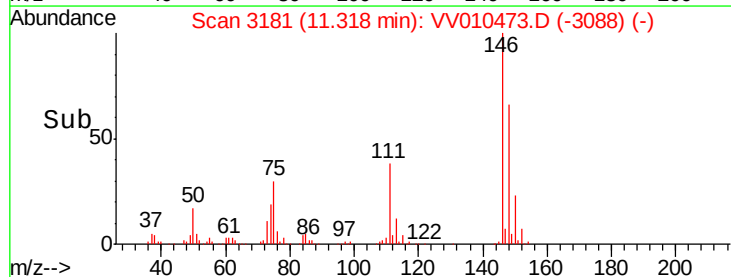
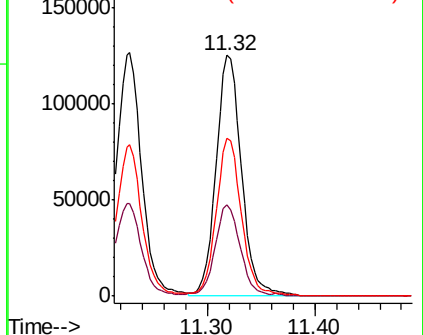
148 65.7 44.5 82.7

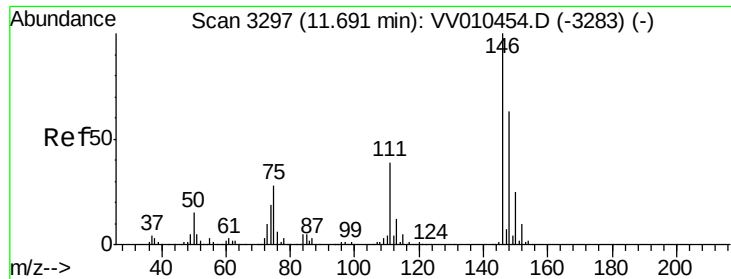


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.448 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

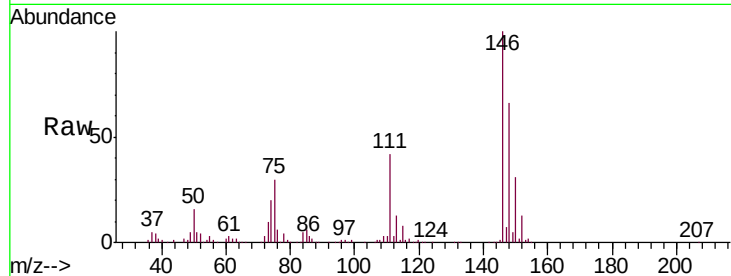
Tgt Ion:146 Resp: 195786

Ion Ratio Lower Upper

146 100

111 41.7 31.6 47.4

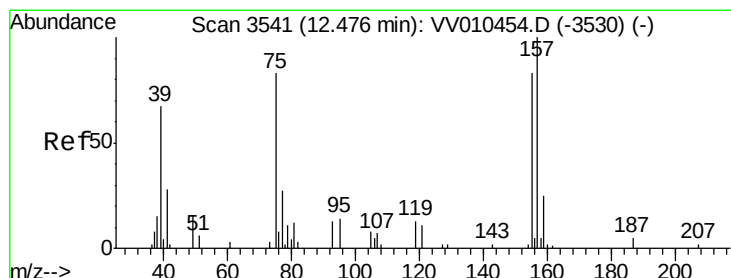
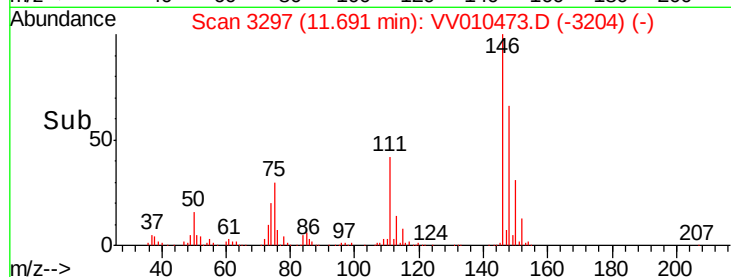
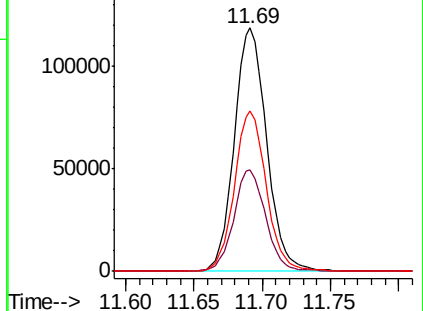
148 65.7 50.2 75.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.164 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

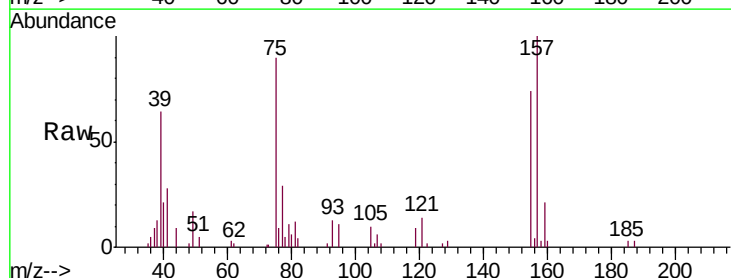
Tgt Ion: 75 Resp: 10052

Ion Ratio Lower Upper

75 100

155 81.6 80.3 120.5

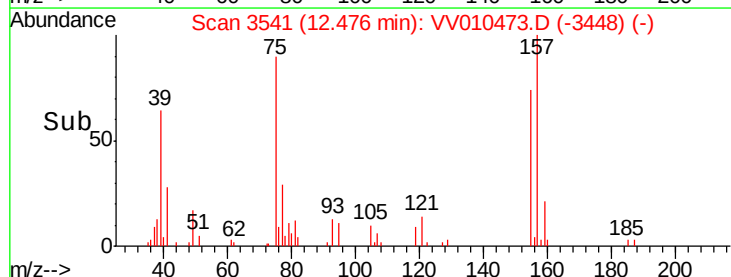
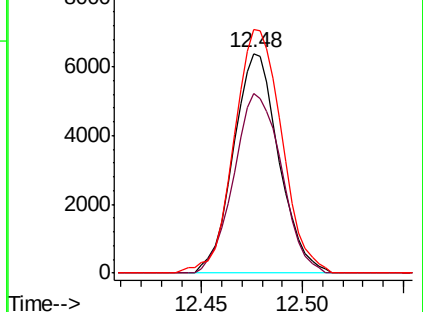
157 110.9 96.7 145.1

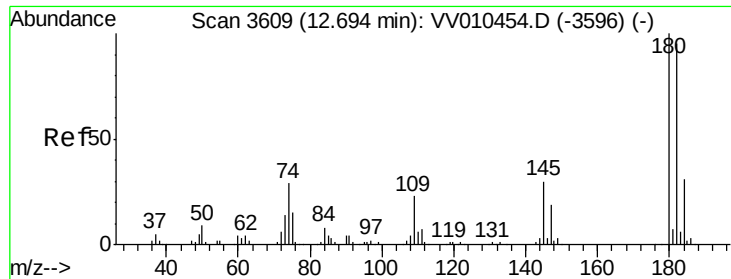


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

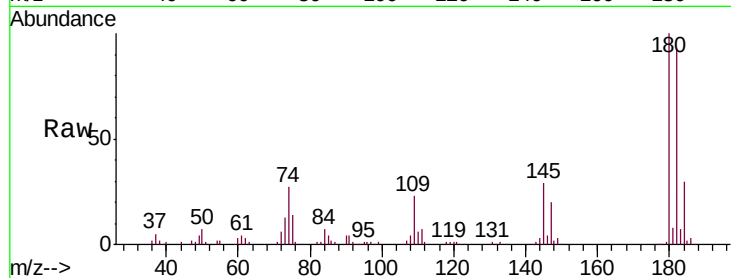




#67
 1,3,5-Trichlorobenzene
 Concen: 5.423 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV010473.D
 Acq: 24 Apr 2019 20:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	74.8	112.2
184	29.7	24.0	36.0
145	29.6	23.7	35.5



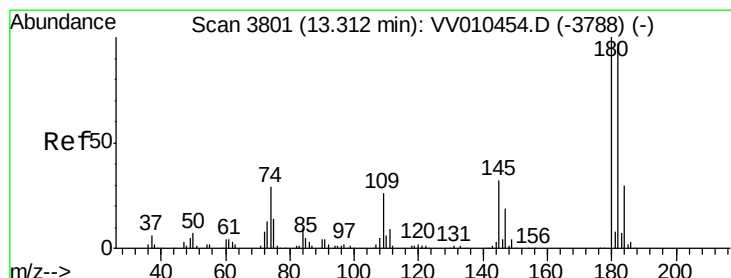
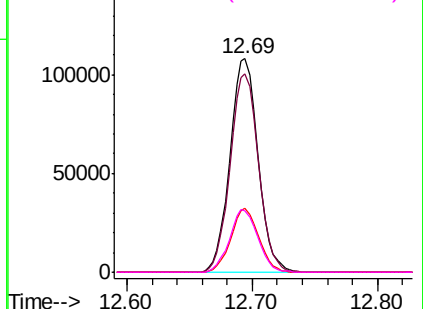
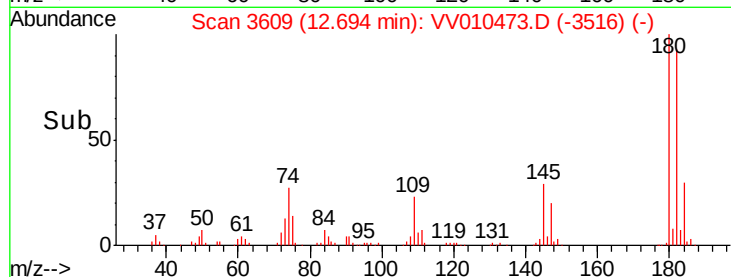
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

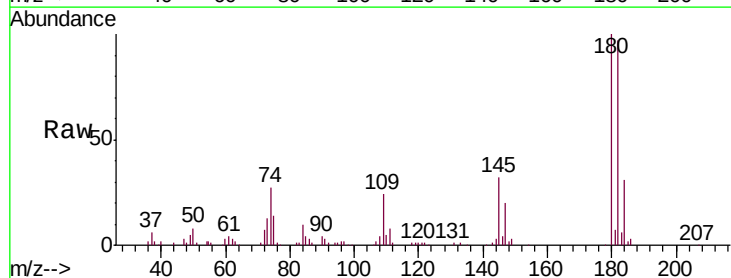
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.382 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV010473.D
 Acq: 24 Apr 2019 20:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.3	114.5
145	31.5	24.5	36.7

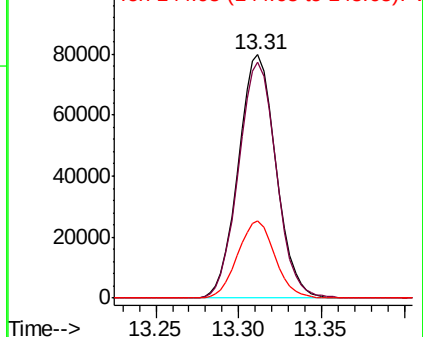
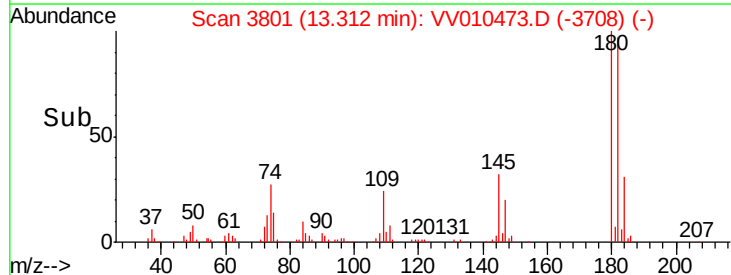


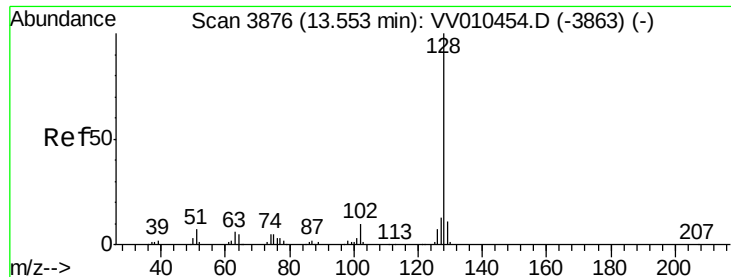
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.927 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

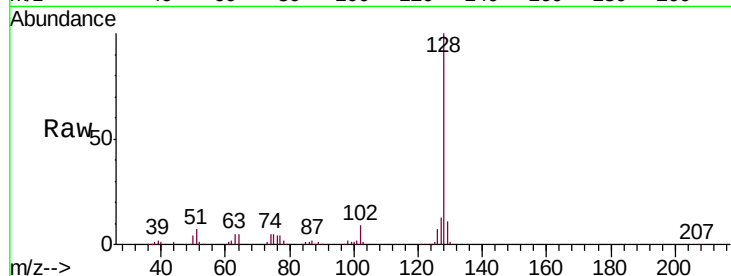
Tgt Ion:128 Resp: 171604

Ion Ratio Lower Upper

128 100

129 10.4 8.7 13.1

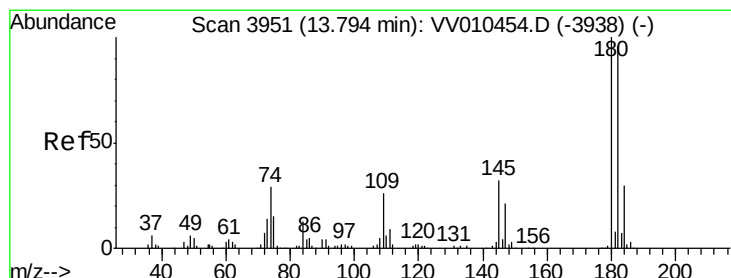
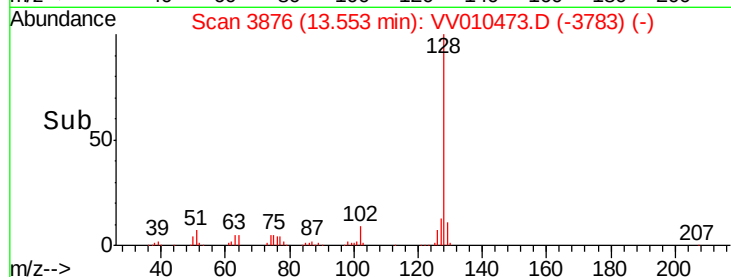
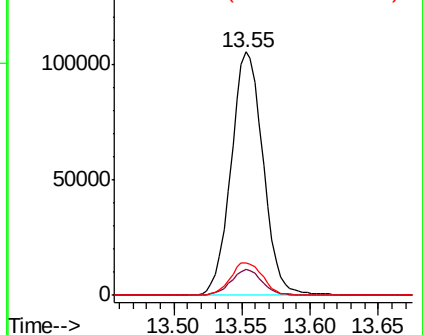
127 13.8 10.3 15.5



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: 5.271 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV010473.D

Acq: 24 Apr 2019 20:09

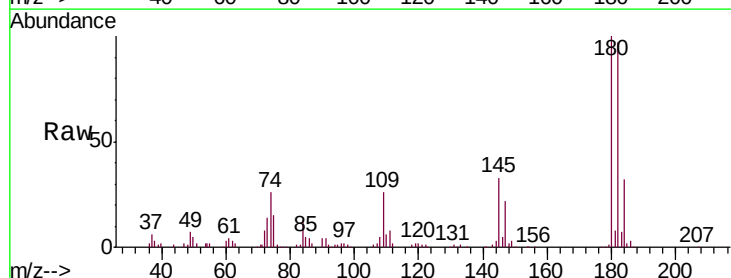
Tgt Ion:180 Resp: 117328

Ion Ratio Lower Upper

180 100

182 98.8 76.9 115.3

145 32.8 25.4 38.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

