

Data File : VV012313.D
Acq On : 20 Aug 2019 16:02
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

Quant Time: Aug 21 01:18:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 21 01:13:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	138497	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	126573	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	69860	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24006	3.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.80%
7) Chloroethane-d5	1.58	69	19973	3.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.20%
11) 1,1-Dichloroethene-d2	2.13	63	60135	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.40%
20) 2-Butanone-d5	3.95	46	84994	44.55	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.10%
24) Chloroform-d	4.40	84	88958	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.08	65	44770	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
32) Benzene-d6	5.10	84	165140	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.12	67	45044	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.36	98	164133	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
43) trans-1,3-Dichloropropene-	7.66	79	21244	5.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.60%
46) 2-Hexanone-d5	8.14	63	75427	58.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.58%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	33248	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	70219	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	78870	4.769 ug/L	97
3) Chloromethane	1.25	50	34031	3.934 ug/L	98
5) Vinyl chloride	1.32	62	39088	4.293 ug/L	99
6) Bromomethane	1.54	94	20599	4.388 ug/L	95
8) Chloroethane	1.60	64	21399	4.716 ug/L	99
9) Trichlorofluoromethane	1.77	101	80189	4.894 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	37520	5.304 ug/L	99
12) 1,1-Dichloroethene	2.14	96	34031	5.354 ug/L	93
13) Acetone	2.21	43	49008	49.104 ug/L #	63
14) Carbon disulfide	2.32	76	90408	5.124 ug/L	98
15) Methyl Acetate	2.47	43	10434	5.272 ug/L	91
16) Methylene chloride	2.53	84	32358	4.890 ug/L	94
17) Methyl tert-butyl Ether	2.80	73	114553	5.650 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	48453	5.208 ug/L	95
19) 1,1-Dichloroethane	3.23	63	83348	5.223 ug/L	99
21) 2-Butanone	4.04	43	96783	51.108 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	54133	5.406 ug/L	99

Data File : VV012313.D
Acq On : 20 Aug 2019 16:02
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

Quant Time: Aug 21 01:18:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 21 01:13:54 2019
Response via : Initial Calibration

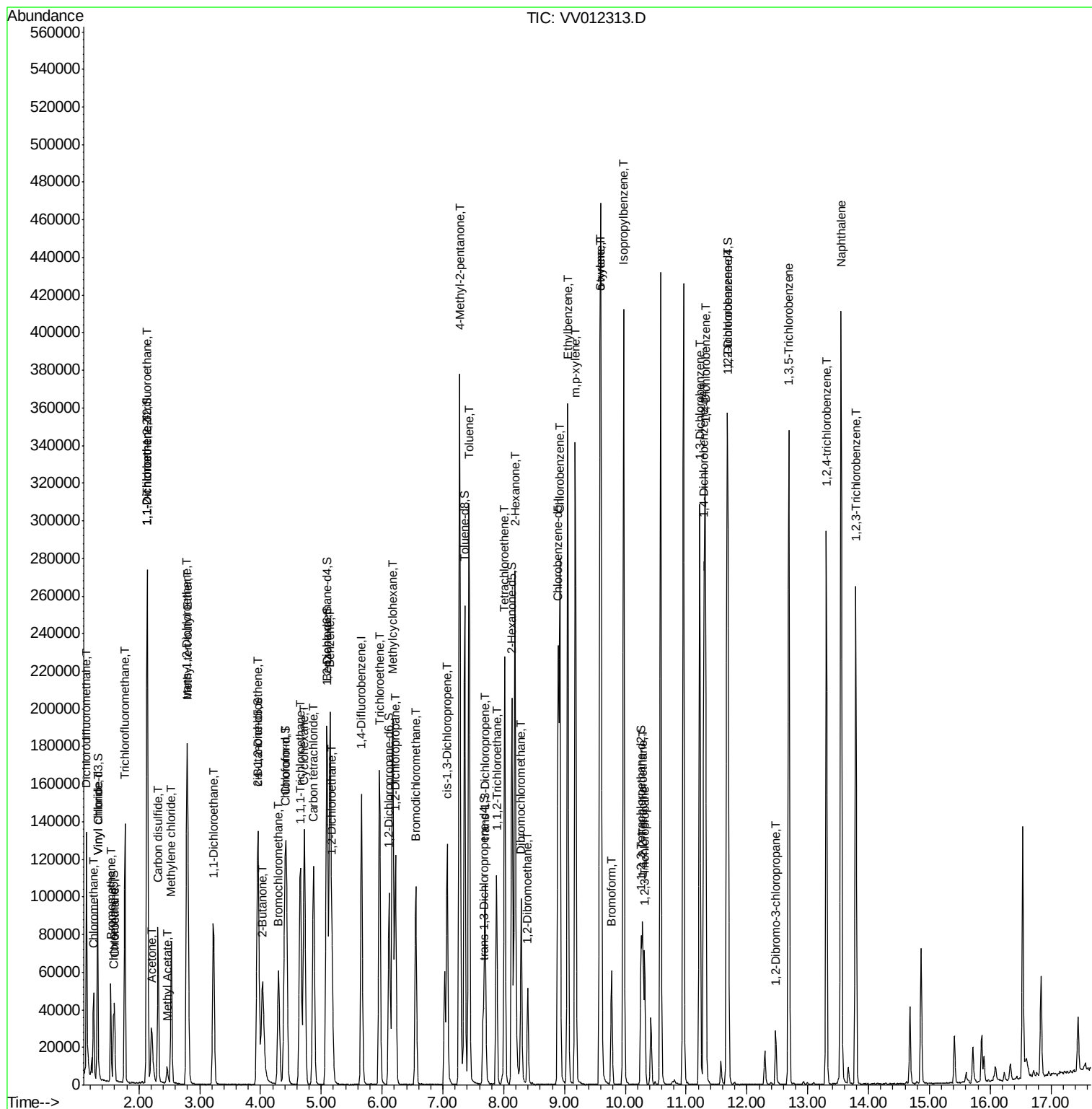
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	24029	5.255	ug/L	90
25) Chloroform	4.42	83	99026	4.960	ug/L	100
27) 1,2-Dichloroethane	5.18	62	61712	5.422	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	96095	5.675	ug/L	99
30) Cyclohexane	4.72	56	71765	5.661	ug/L	97
31) Carbon tetrachloride	4.87	117	89306	5.652	ug/L	99
33) Benzene	5.14	78	193936	5.539	ug/L	100
34) Trichloroethene	5.96	95	56073	5.461	ug/L	97
35) Methylcyclohexane	6.17	83	86237	5.610	ug/L	97
37) 1,2-Dichloropropane	6.22	63	42397	5.175	ug/L	99
38) Bromodichloromethane	6.55	83	69233	5.594	ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	75029	5.770	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	239392	55.655	ug/L	97
42) Toluene	7.43	91	220503	5.690	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	59510	5.730	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	33079	5.263	ug/L	97
47) Tetrachloroethene	8.02	164	53748	5.673	ug/L	98
48) 2-Hexanone	8.19	43	167165	53.993	ug/L	97
49) Dibromochloromethane	8.29	129	49071	5.747	ug/L	99
50) 1,2-Dibromoethane	8.40	107	32666	5.502	ug/L	95
51) Chlorobenzene	8.92	112	148588	5.620	ug/L	99
52) Ethylbenzene	9.05	91	256723	5.921	ug/L	98
53) m,p-xylene	9.18	106	99751	5.893	ug/L	93
54) o-xylene	9.59	106	96225	5.911	ug/L	99
55) Styrene	9.60	104	159053	5.784	ug/L	97
56) Isopropylbenzene	9.97	105	268774	5.981	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	36514	5.687	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	26363	5.192	ug/L	95
61) Bromoform	9.77	173	28528	5.911	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	131795	5.573	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	127562	5.424	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	119970	5.530	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	6593	5.816	ug/L #	83
67) 1,3,5-Trichlorobenzene	12.69	180	113159	5.834	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	93518	6.521	ug/L	100
69) Naphthalene	13.55	128	341350	17.499	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	85339	6.432	ug/L	100

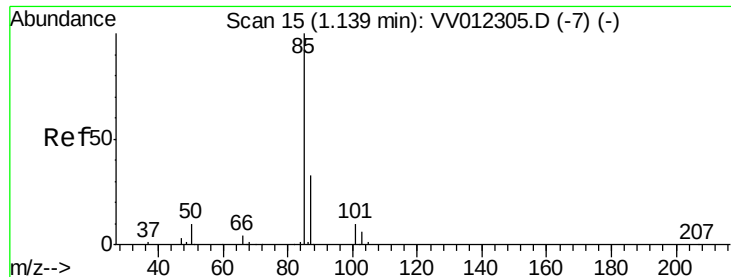
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV012313.D
Acq On : 20 Aug 2019 16:02
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

Quant Time: Aug 21 01:18:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 21 01:13:54 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.769 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

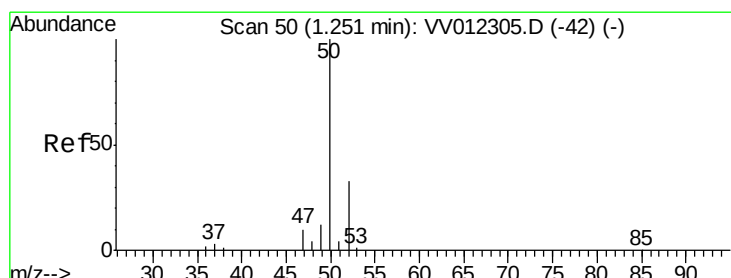
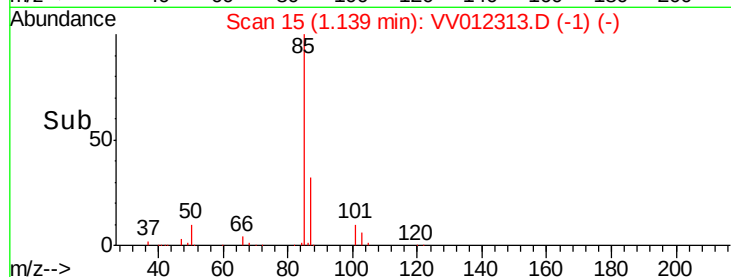
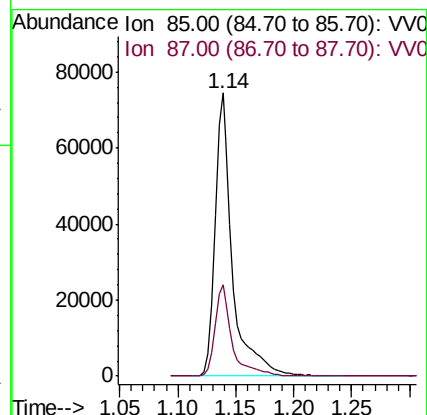
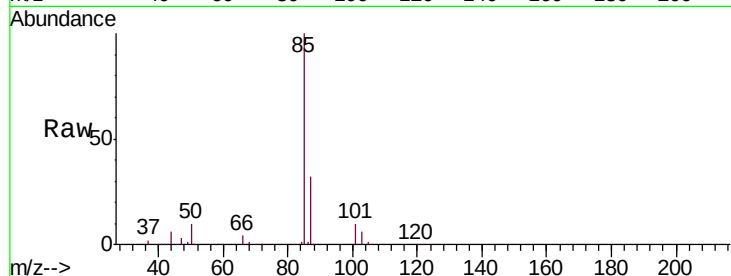
VSTD00548

Tgt Ion: 85 Resp: 78870

Ion Ratio Lower Upper

85 100

87 32.2 24.6 37.0



#3

Chloromethane

Concen: 3.934 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012313.D

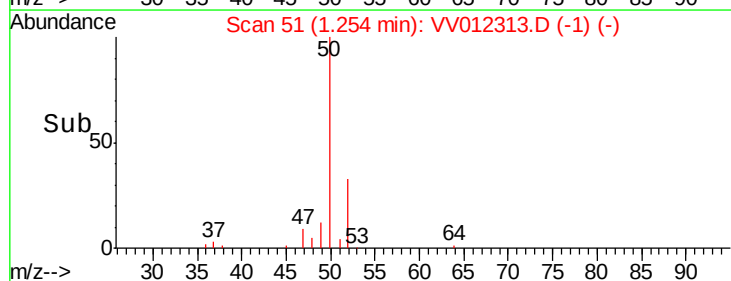
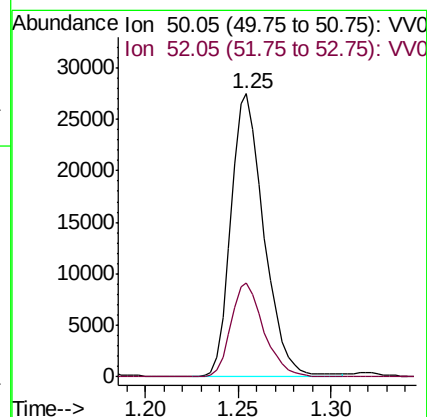
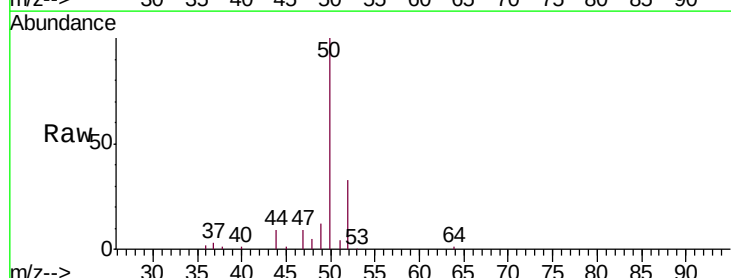
Acq: 20 Aug 2019 16:02

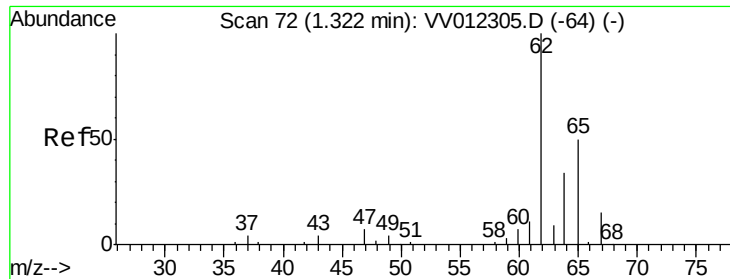
Tgt Ion: 50 Resp: 34031

Ion Ratio Lower Upper

50 100

52 33.3 22.6 42.0





#5

Vinyl chloride

Concen: 4.293 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

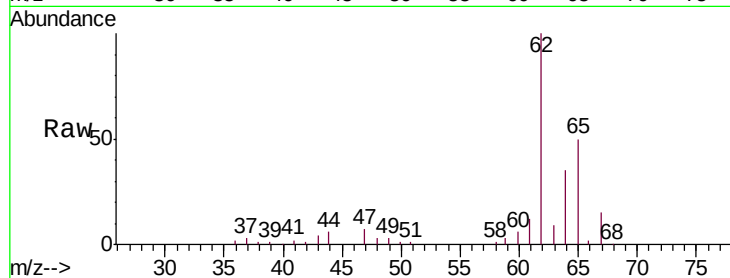
VSTD00548

Tgt Ion: 62 Resp: 39088

Ion Ratio Lower Upper

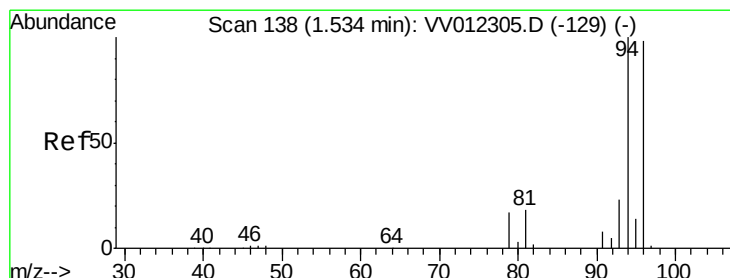
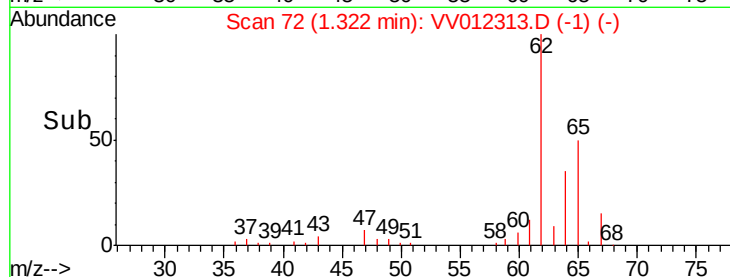
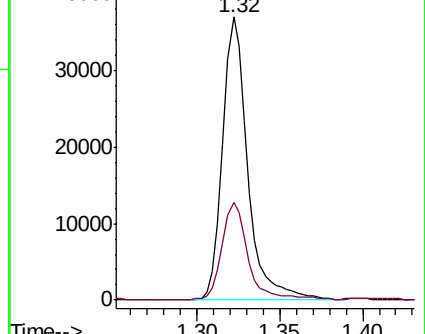
62 100

64 34.5 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.388 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012313.D

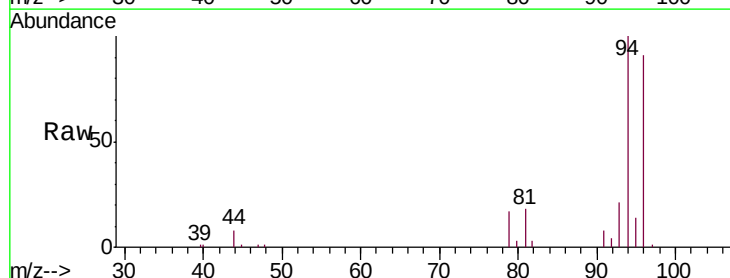
Acq: 20 Aug 2019 16:02

Tgt Ion: 94 Resp: 20599

Ion Ratio Lower Upper

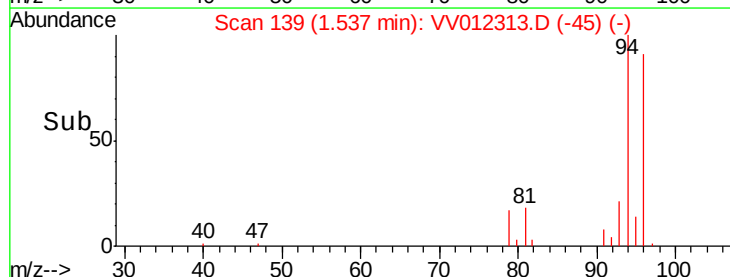
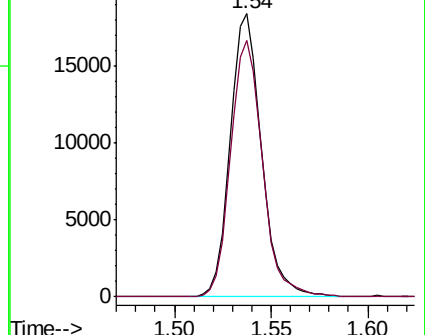
94 100

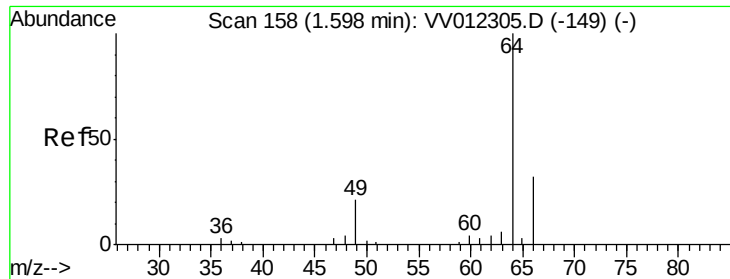
96 90.8 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.716 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

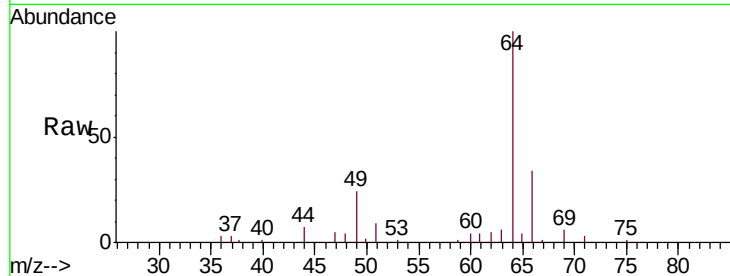
VSTD00548

Tgt Ion: 64 Resp: 21399

Ion Ratio Lower Upper

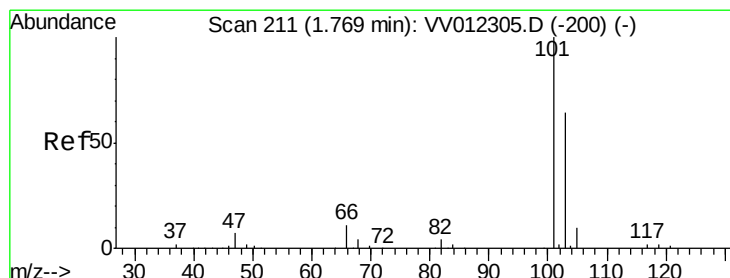
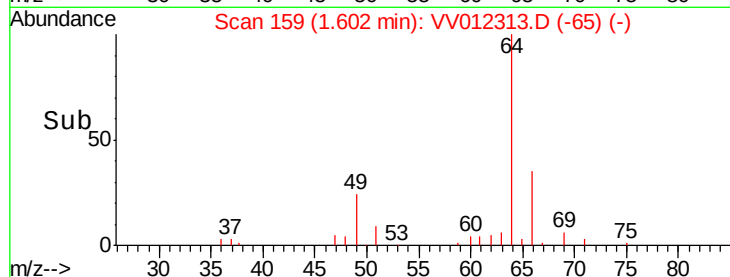
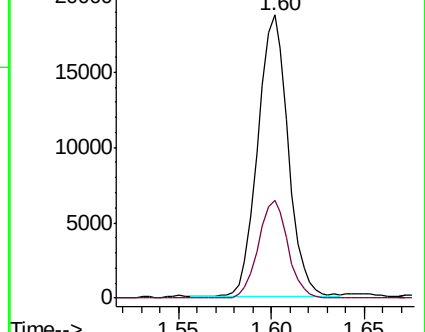
64 100

66 34.4 23.7 44.1



Abundance Ion 64.10 (63.80 to 64.80): VV012313.D (-158) (-)

Ion 66.05 (65.75 to 66.75): VV012313.D (-158) (-)



#9

Trichlorofluoromethane

Concen: 4.894 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012313.D

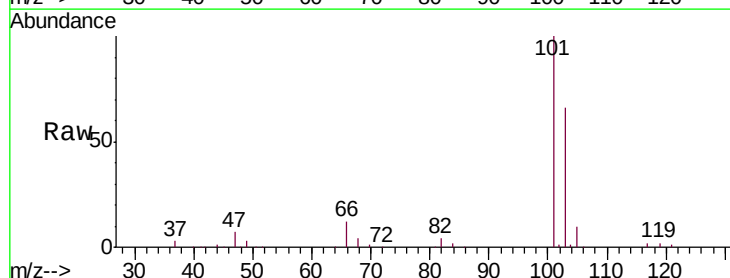
Acq: 20 Aug 2019 16:02

Tgt Ion: 101 Resp: 80189

Ion Ratio Lower Upper

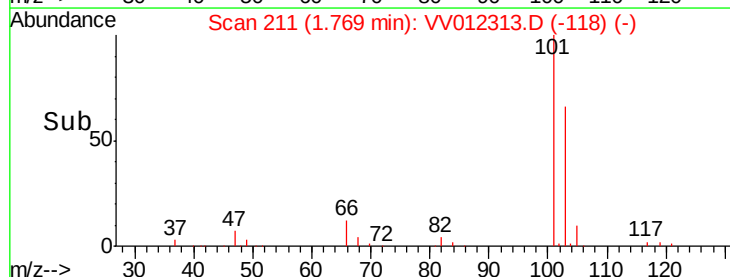
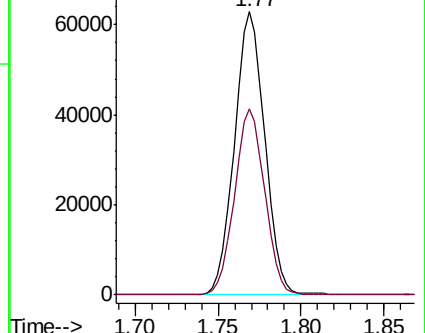
101 100

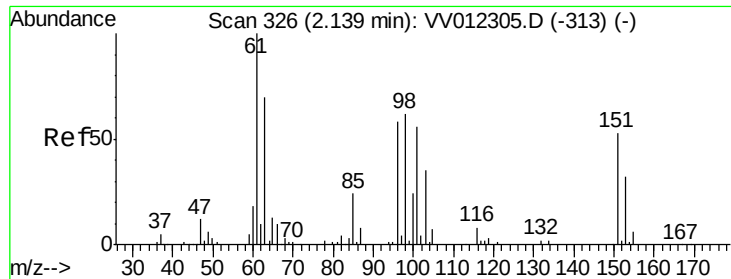
103 64.7 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV012313.D (-210) (-)

Ion 103.00 (102.70 to 103.70): VV012313.D (-210) (-)





#10

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

Concen: 5.304 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

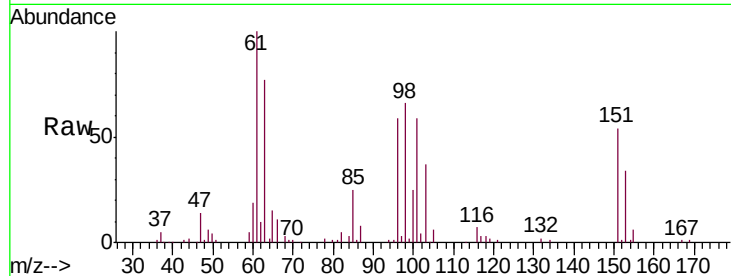
Tgt Ion:101 Resp: 37520

Ion Ratio Lower Upper

101 100

85 43.8 34.9 52.3

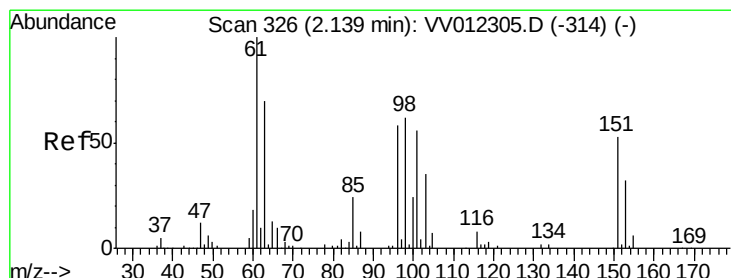
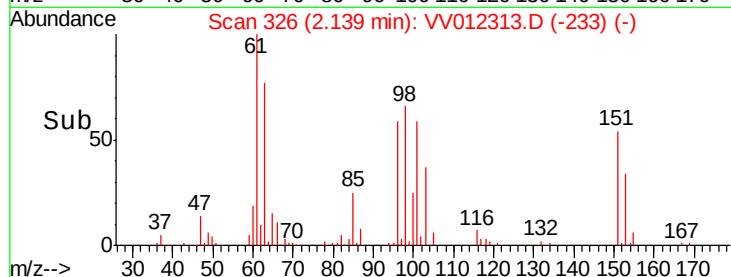
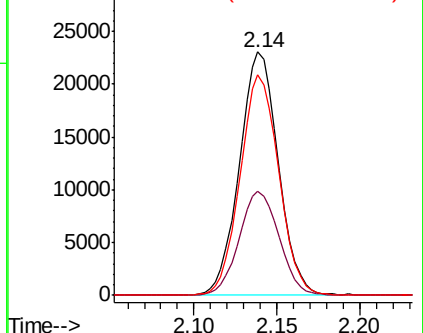
151 90.2 71.5 107.3



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: 5.354 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

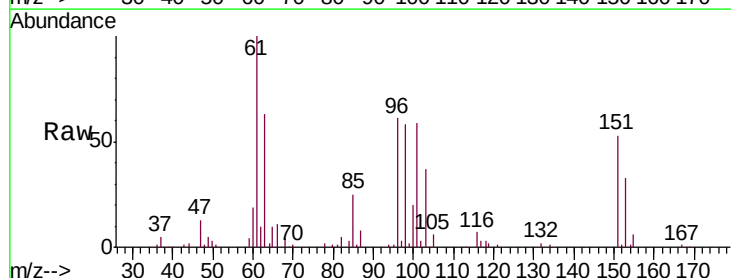
Tgt Ion: 96 Resp: 34031

Ion Ratio Lower Upper

96 100

61 163.5 117.7 218.7

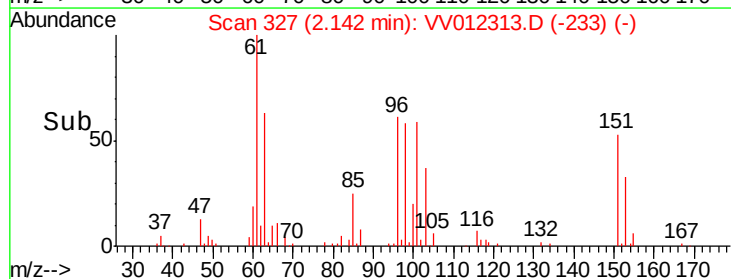
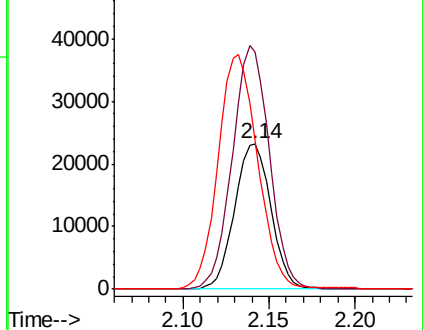
63 102.2 81.1 150.5

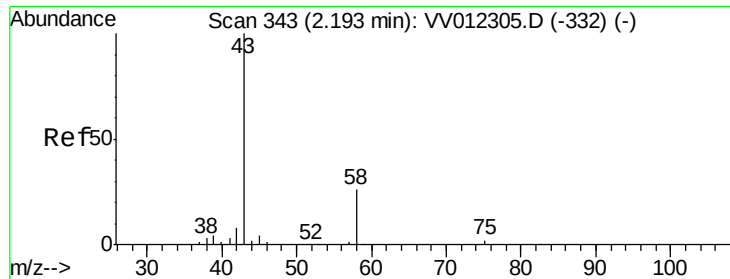


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 49.104 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.02 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

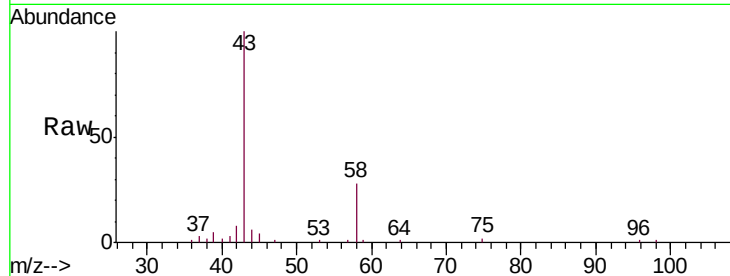
VSTD00548

Tgt Ion: 43 Resp: 49008

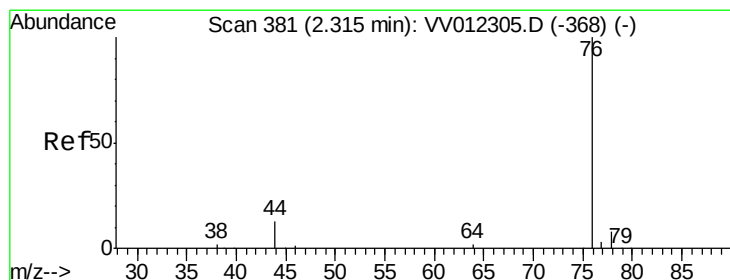
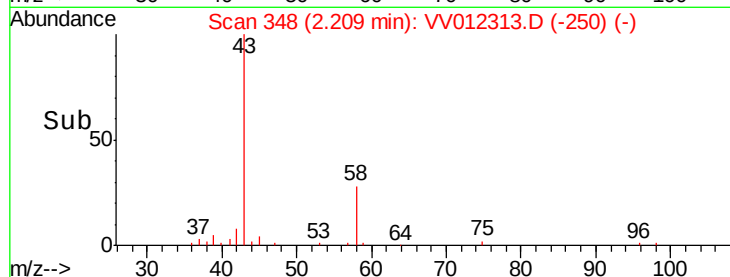
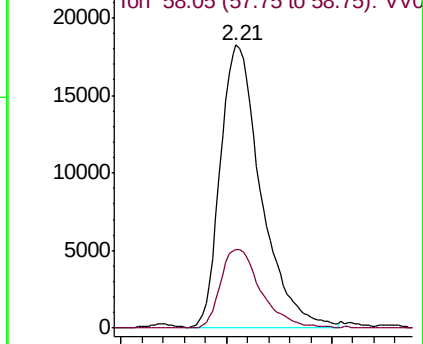
Ion Ratio Lower Upper

43 100

58 27.6 0.0 25.6#



Abundance Ion 43.05 (42.75 to 43.75): VV012313.D (-250) (-)



#14

Carbon disulfide

Concen: 5.124 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012313.D

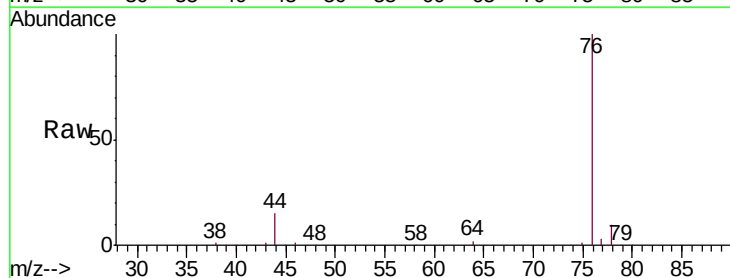
Acq: 20 Aug 2019 16:02

Tgt Ion: 76 Resp: 90408

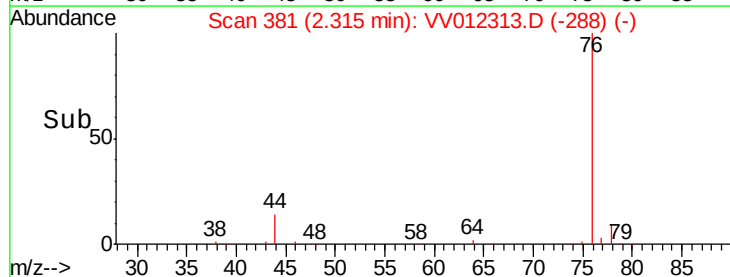
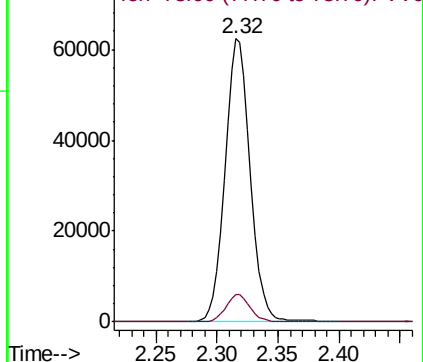
Ion Ratio Lower Upper

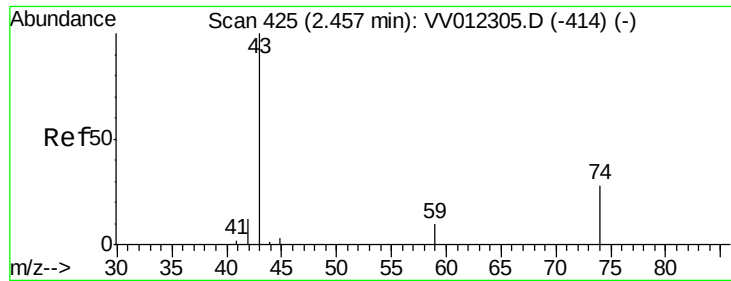
76 100

78 9.5 8.3 12.5



Abundance Ion 76.05 (75.75 to 76.75): VV012313.D (-288) (-)





#15

Methyl Acetate

Concen: 5.272 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

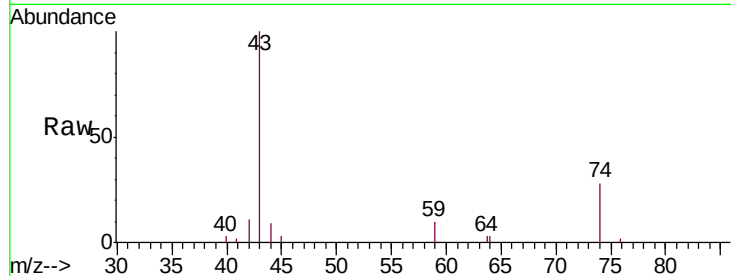
VSTD00548

Tgt Ion: 43 Resp: 10434

Ion Ratio Lower Upper

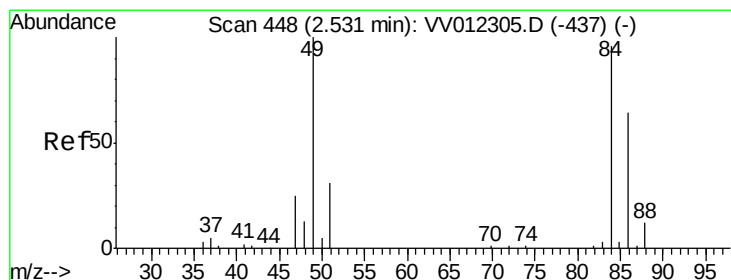
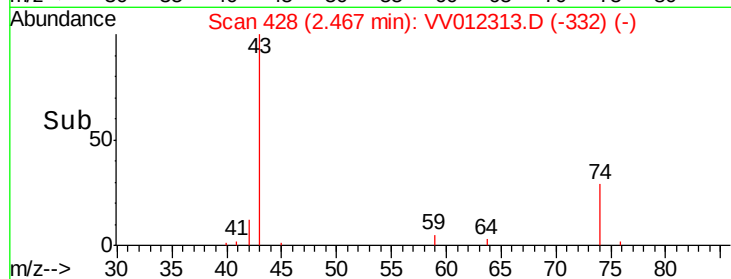
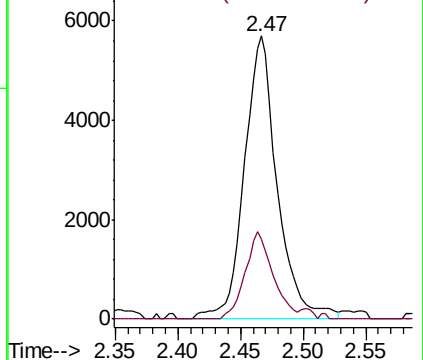
43 100

74 26.3 24.9 37.3



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.890 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

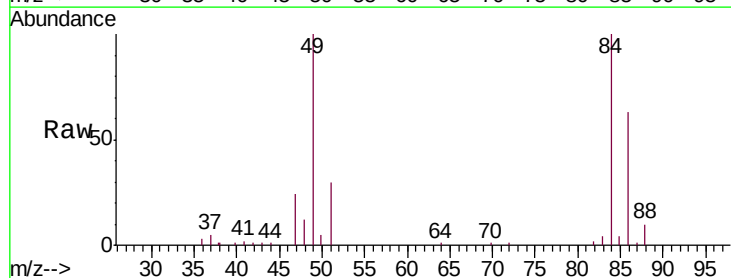
Tgt Ion: 84 Resp: 32358

Ion Ratio Lower Upper

84 100

86 63.3 49.5 91.9

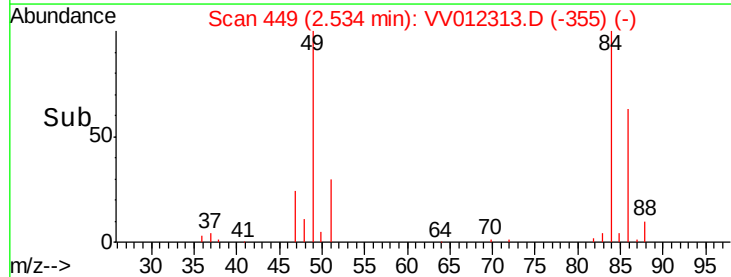
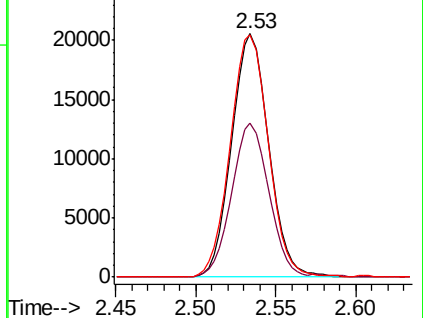
49 99.7 72.1 133.9

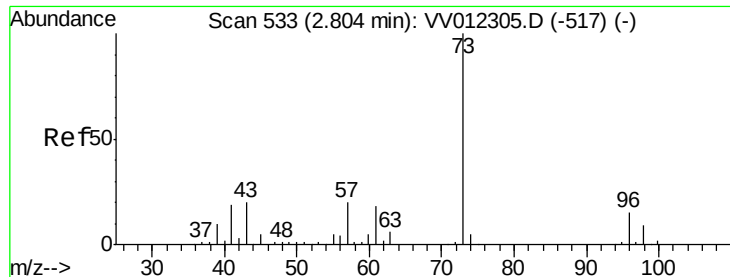


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

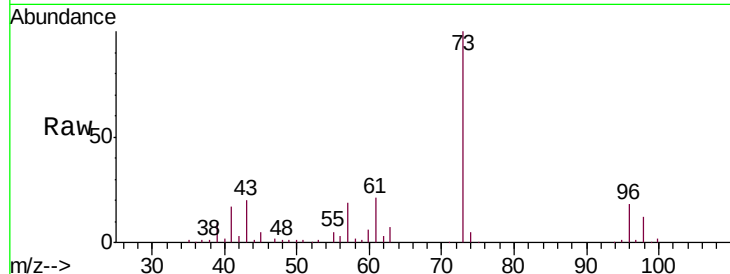




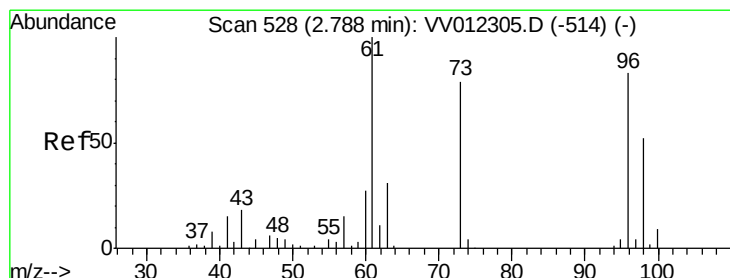
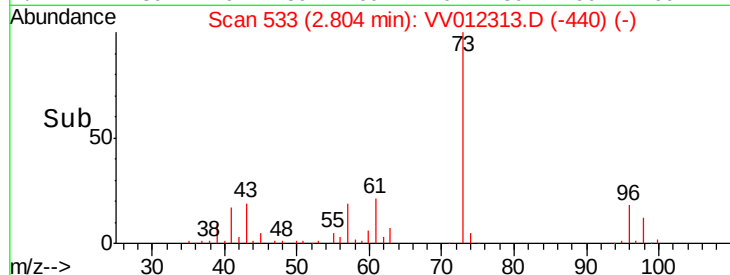
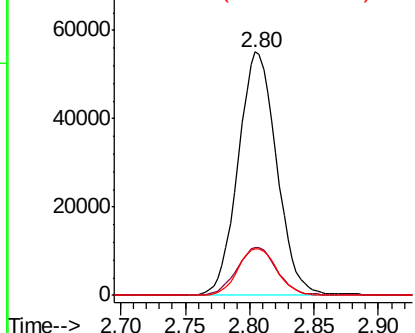
#17
Methyl tert-butyl Ether
Concen: 5.650 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV012313.D
Acq: 20 Aug 2019 16:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

Tgt Ion: 73 Resp: 114553
Ion Ratio Lower Upper
73 100
43 20.5 17.0 25.4
57 19.4 15.8 23.6

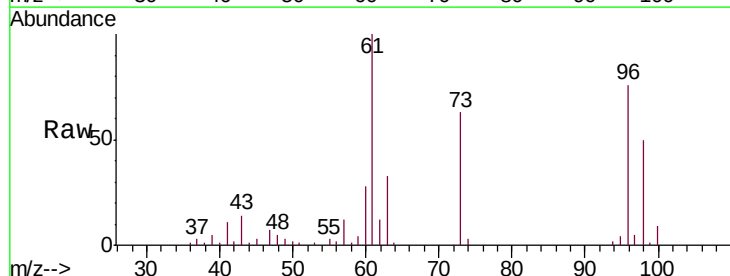


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

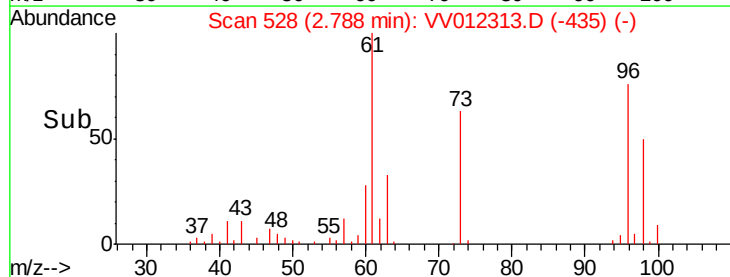
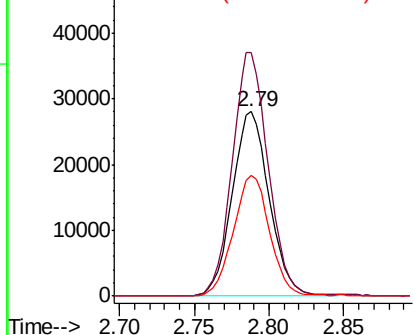


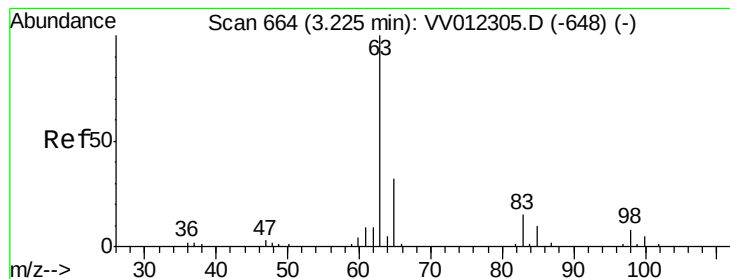
#18
trans-1,2-Dichloroethene
Concen: 5.208 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV012313.D
Acq: 20 Aug 2019 16:02

Tgt Ion: 96 Resp: 48453
Ion Ratio Lower Upper
96 100
61 131.9 87.4 162.2
98 65.4 44.7 82.9



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: 5.223 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

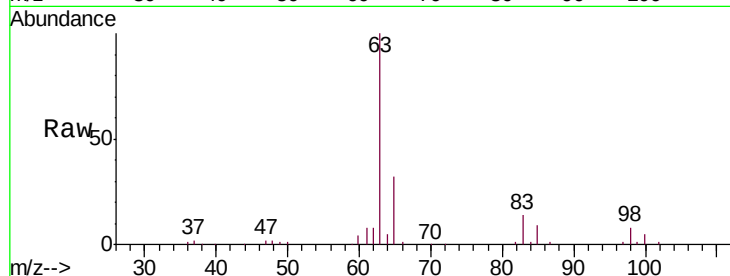
Tgt Ion: 63 Resp: 83348

Ion Ratio Lower Upper

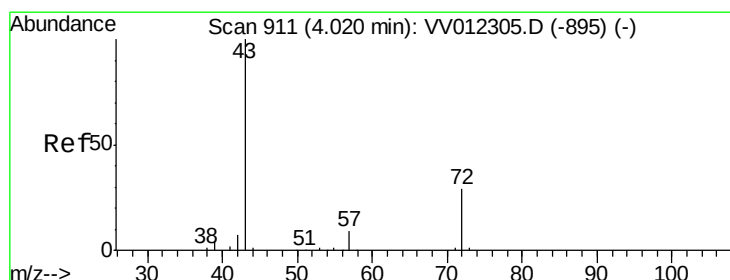
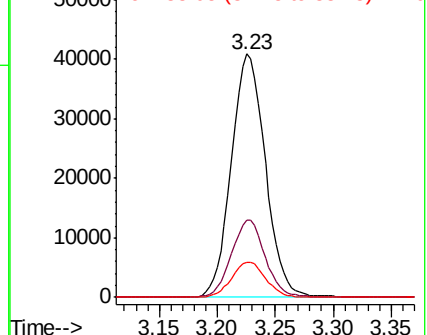
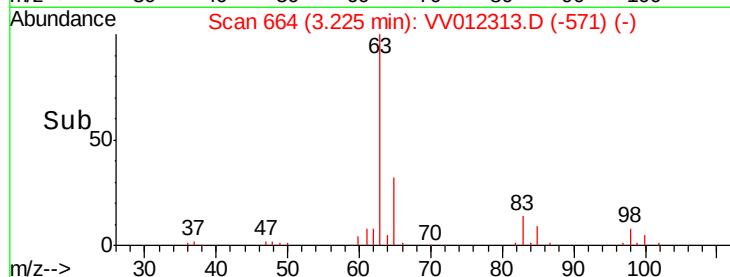
63 100

65 31.7 22.7 42.1

83 14.5 10.5 19.5



Abundance Ion 63.10 (62.80 to 63.80): VV012313.D (-571) (-)



#21

2-Butanone

Concen: 51.108 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.02 min

Lab File: VV012313.D

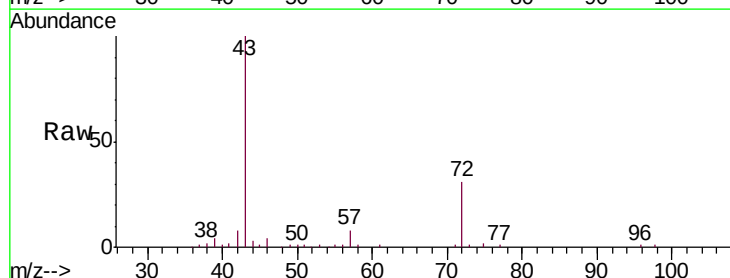
Acq: 20 Aug 2019 16:02

Tgt Ion: 43 Resp: 96783

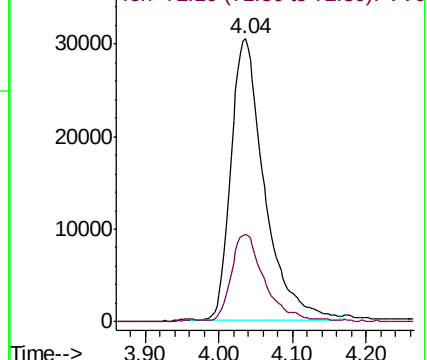
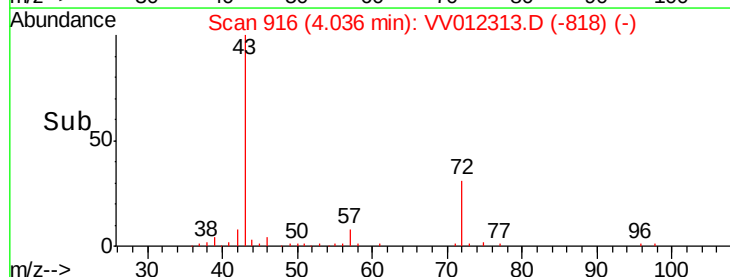
Ion Ratio Lower Upper

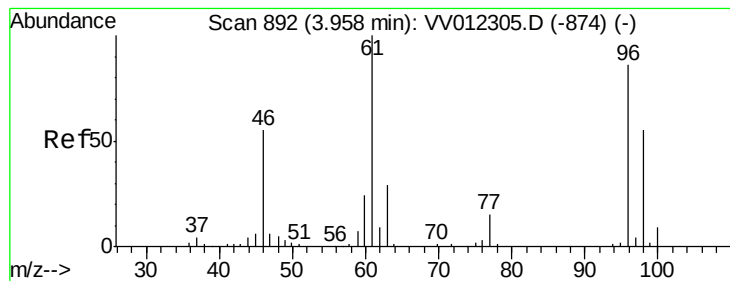
43 100

72 29.8 14.8 44.4



Abundance Ion 43.05 (42.75 to 43.75): VV012313.D (-818) (-)



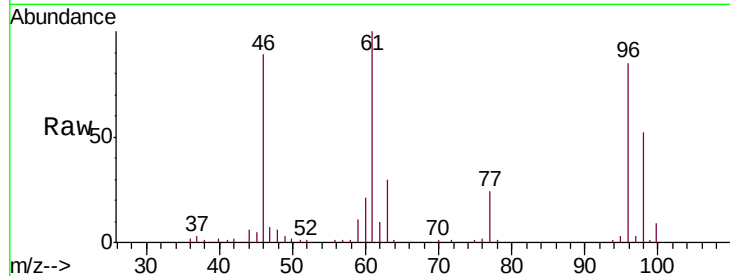


#22

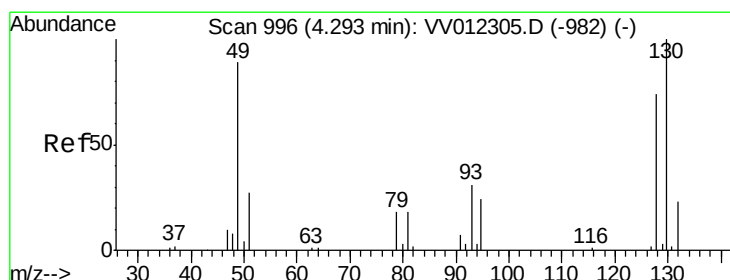
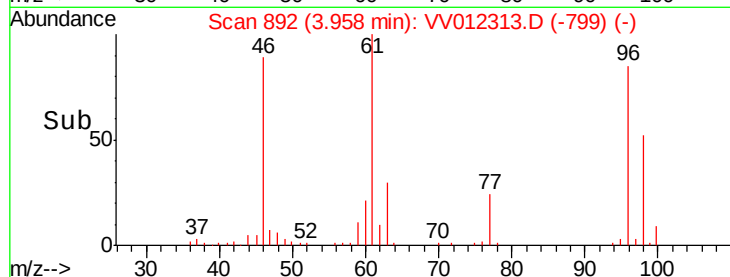
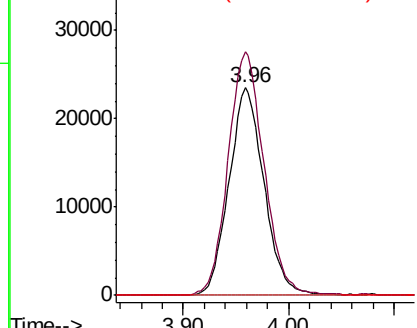
cis-1,2-Dichloroethene
Concen: 5.406 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV012313.D
Acq: 20 Aug 2019 16:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

Tgt Ion: 96 Resp: 54133
Ion Ratio Lower Upper
96 100
61 117.3 81.6 151.6
68 0.0 0.0 0.0



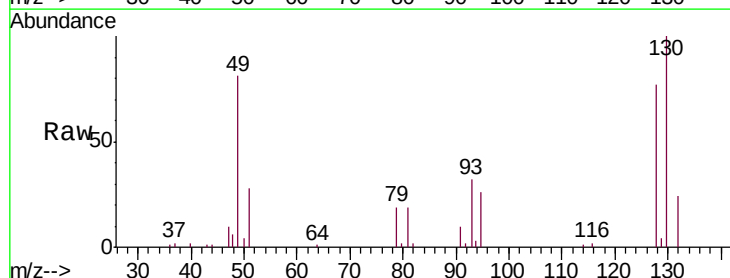
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



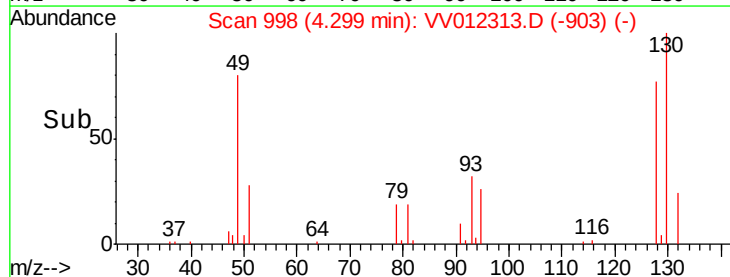
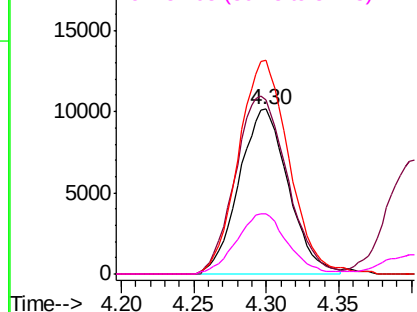
#23

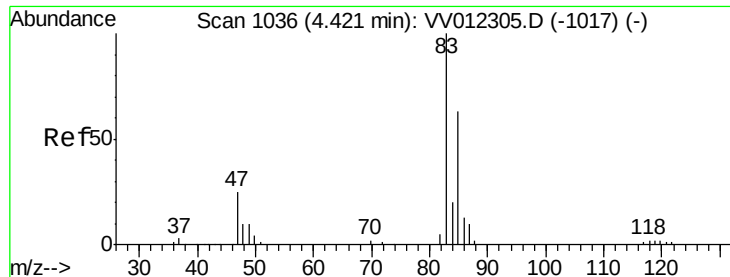
Bromochloromethane
Concen: 5.255 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.01 min
Lab File: VV012313.D
Acq: 20 Aug 2019 16:02

Tgt Ion: 128 Resp: 24029
Ion Ratio Lower Upper
128 100
49 105.6 90.2 167.6
130 129.7 91.2 169.4
51 36.3 31.7 47.5



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

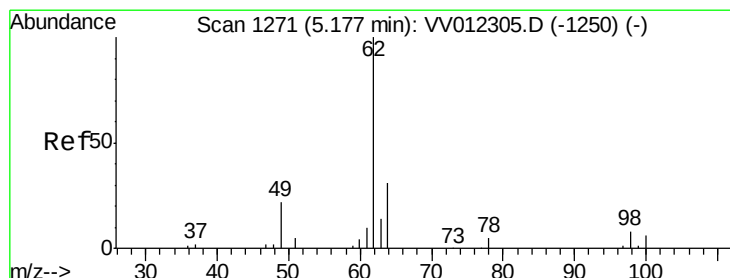
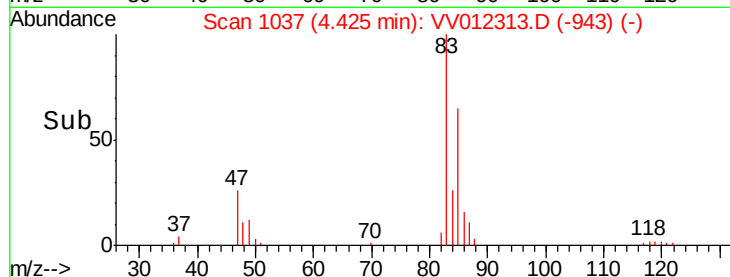
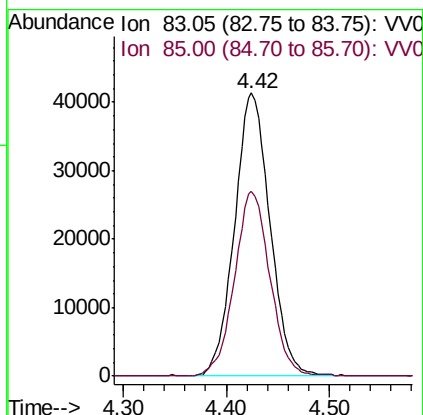
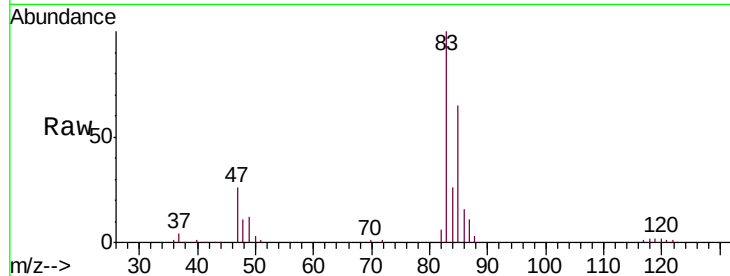




#25
Chloroform
Concen: 4.960 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012313.D
Acq: 20 Aug 2019 16:02

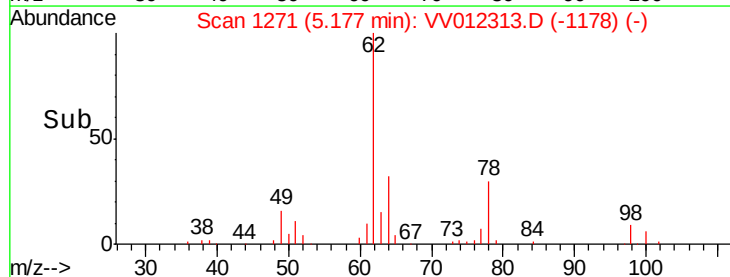
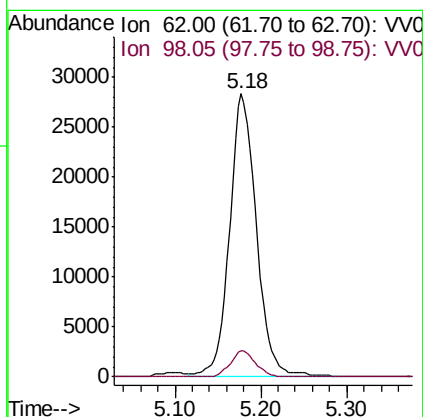
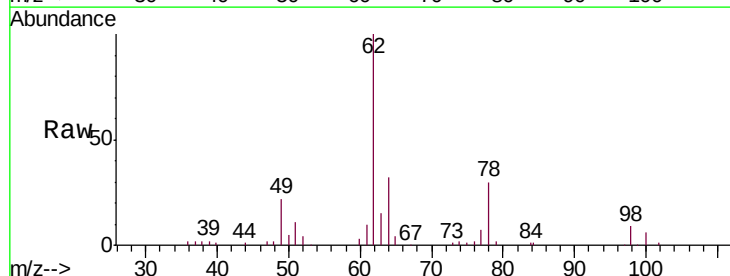
Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

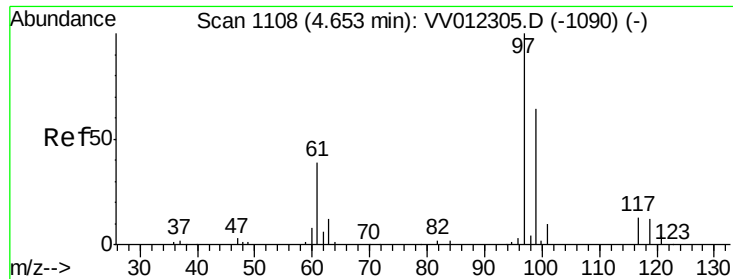
Tgt Ion: 83 Resp: 99026
Ion Ratio Lower Upper
83 100
85 65.4 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.422 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV012313.D
Acq: 20 Aug 2019 16:02

Tgt Ion: 62 Resp: 61712
Ion Ratio Lower Upper
62 100
98 9.1 7.6 11.4

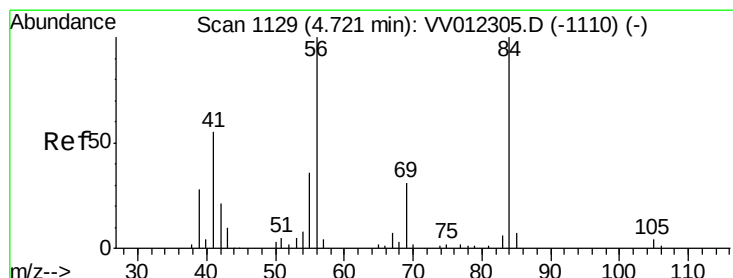
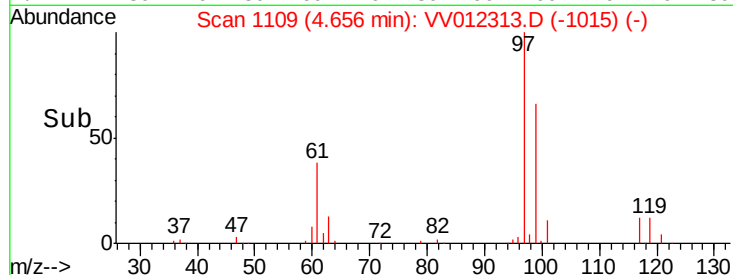
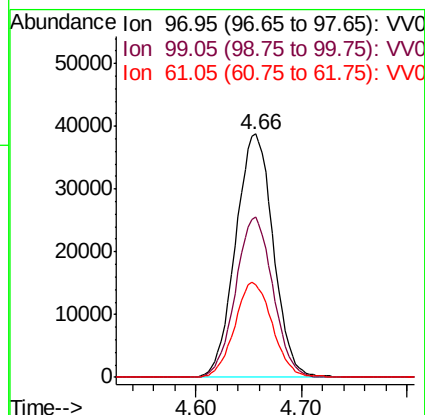
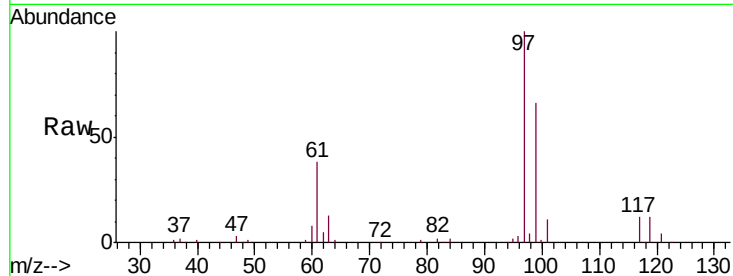




#29
 1,1,1-Trichloroethane
 Concen: 5.675 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012313.D
 Acq: 20 Aug 2019 16:02

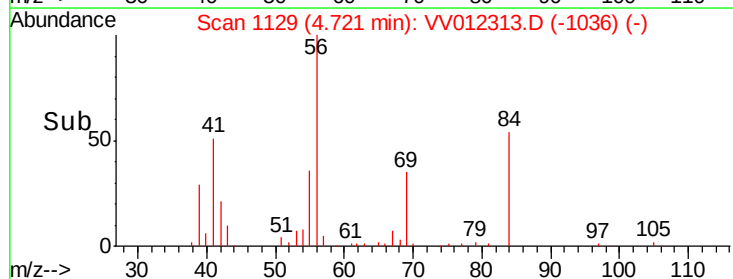
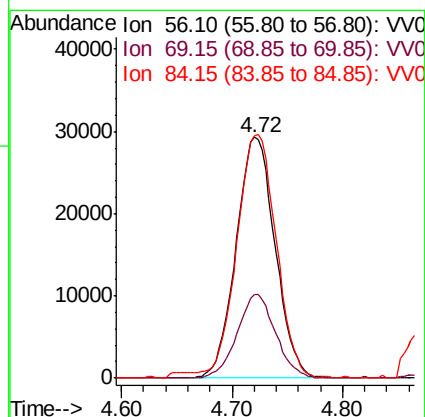
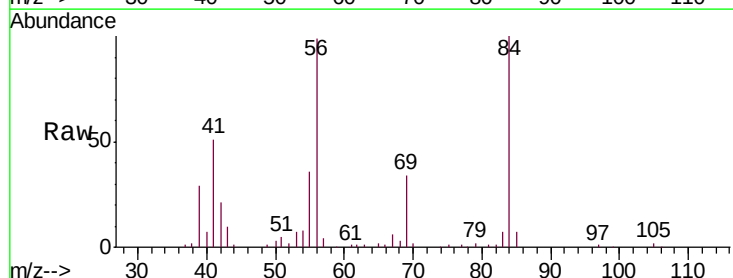
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

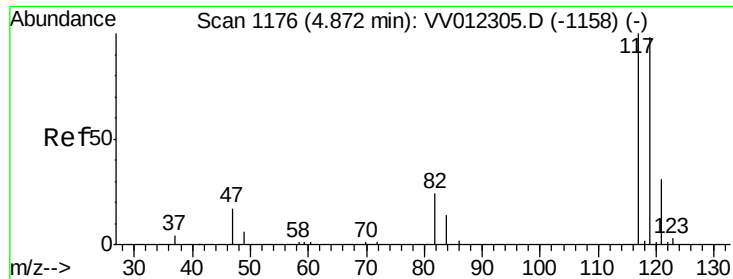
Tgt Ion: 97 Resp: 96095
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.7 77.5
 61 39.2 31.7 47.5



#30
 Cyclohexane
 Concen: 5.661 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV012313.D
 Acq: 20 Aug 2019 16:02

Tgt Ion: 56 Resp: 71765
 Ion Ratio Lower Upper
 56 100
 69 34.1 25.3 37.9
 84 103.0 79.9 119.9





#31

Carbon tetrachloride

Concen: 5.652 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

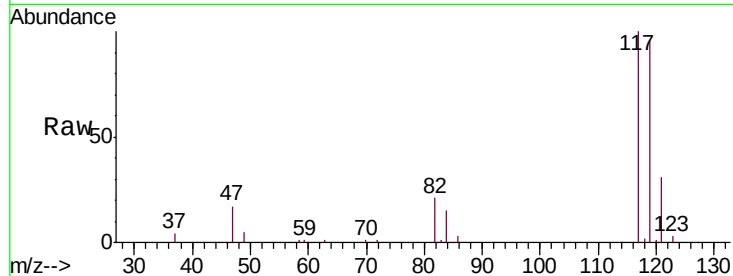
VSTD00548

Tgt Ion:117 Resp: 89306

Ion Ratio Lower Upper

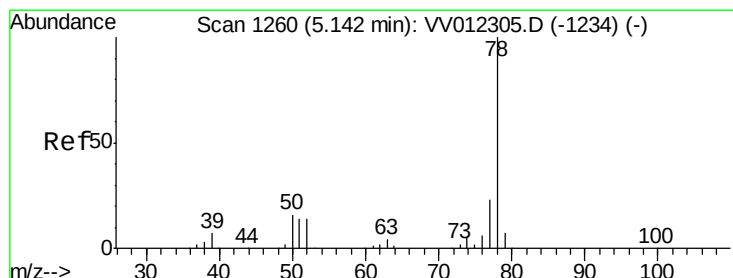
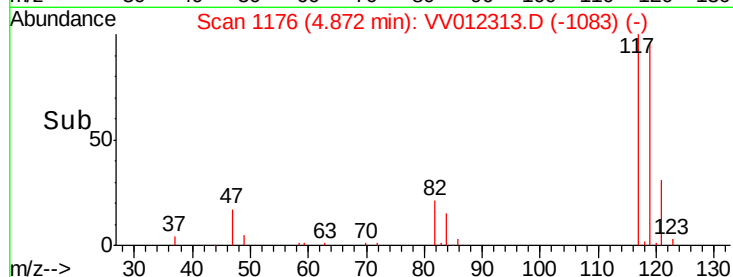
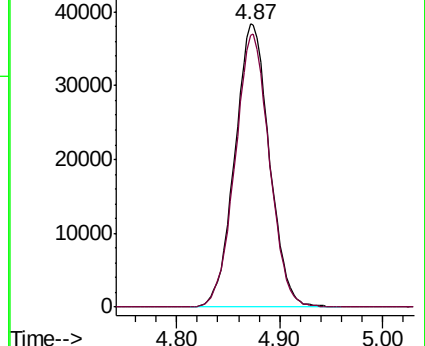
117 100

119 95.7 77.6 116.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.539 ug/L

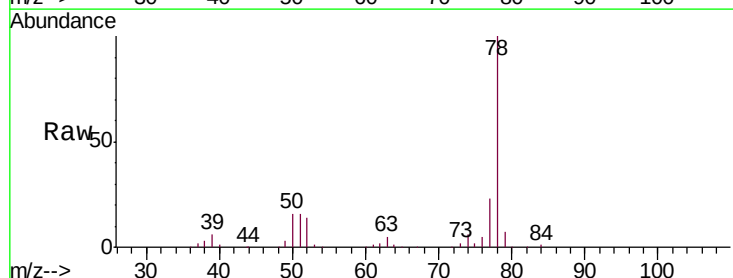
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

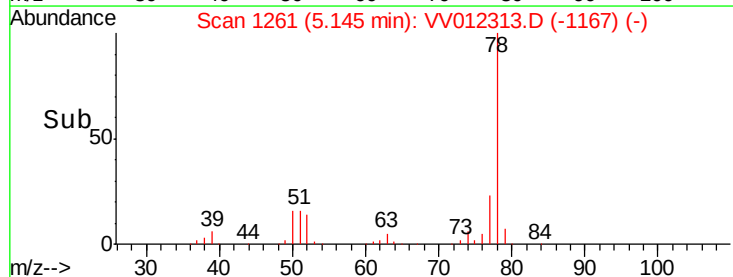
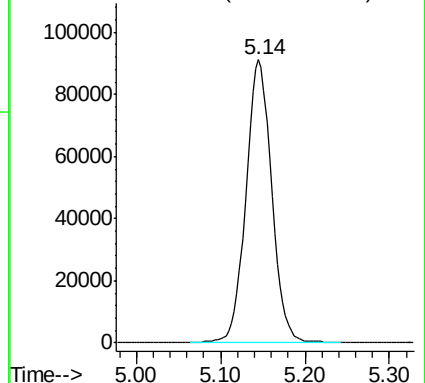
Lab File: VV012313.D

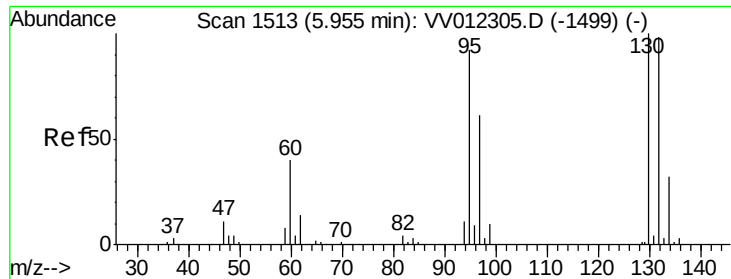
Acq: 20 Aug 2019 16:02

Tgt Ion: 78 Resp: 193936



Abundance Ion 78.10 (77.80 to 78.80): VV0

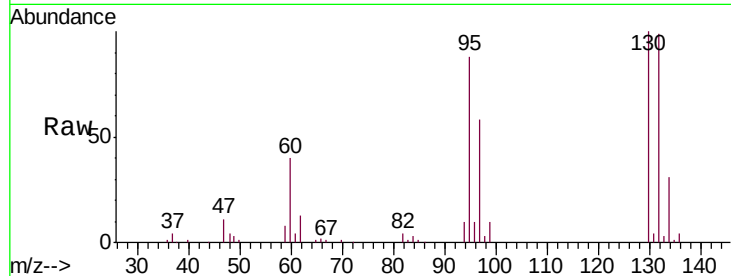




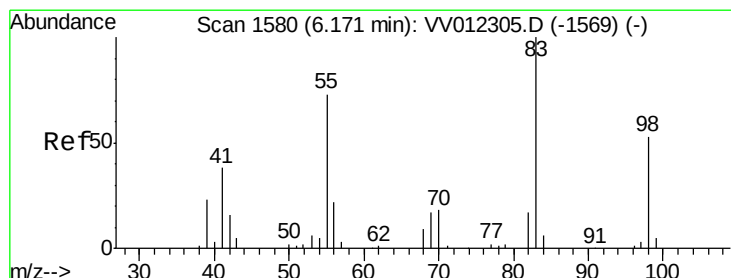
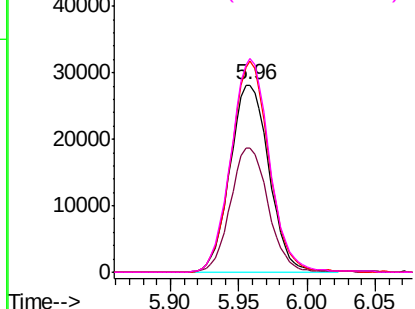
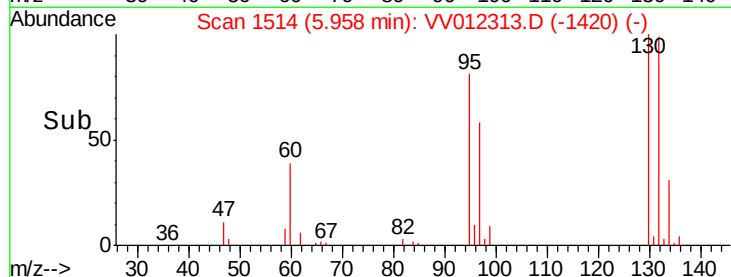
#34
 Trichloroethene
 Concen: 5.461 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012313.D
 Acq: 20 Aug 2019 16:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

Tgt Ion: 95 Resp: 56073
 Ion Ratio Lower Upper
 95 100
 97 66.4 44.9 83.5
 132 113.0 74.9 139.1
 130 114.0 79.0 146.8

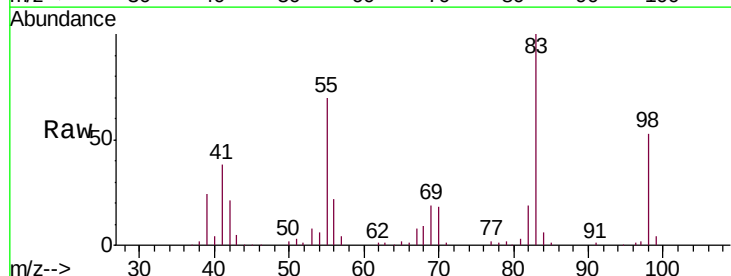


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

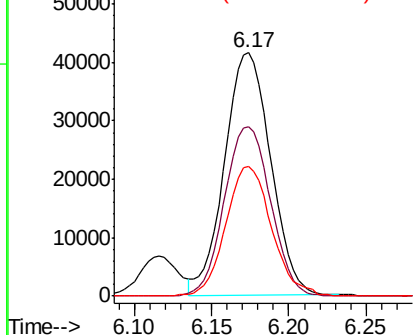
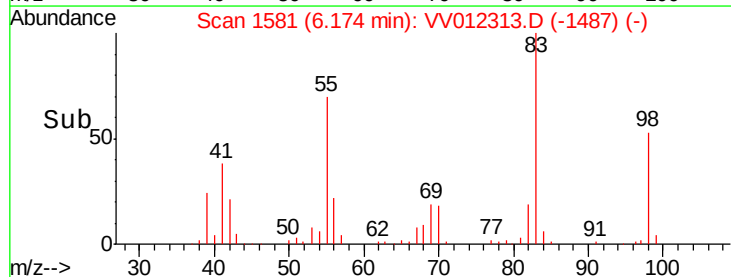


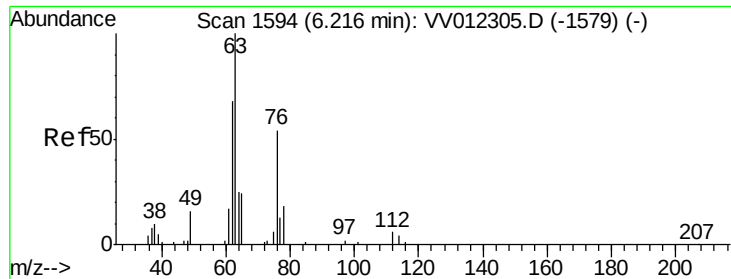
#35
 Methylcyclohexane
 Concen: 5.610 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV012313.D
 Acq: 20 Aug 2019 16:02

Tgt Ion: 83 Resp: 86237
 Ion Ratio Lower Upper
 83 100
 55 70.0 57.3 85.9
 98 53.2 40.3 60.5



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

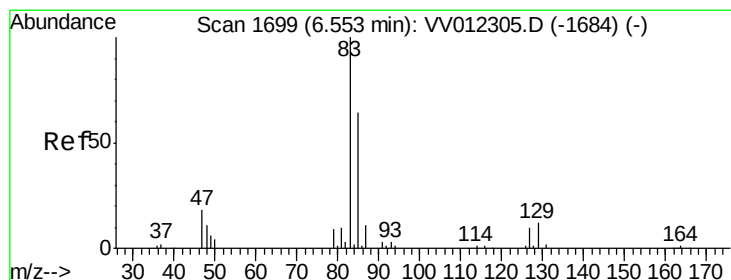
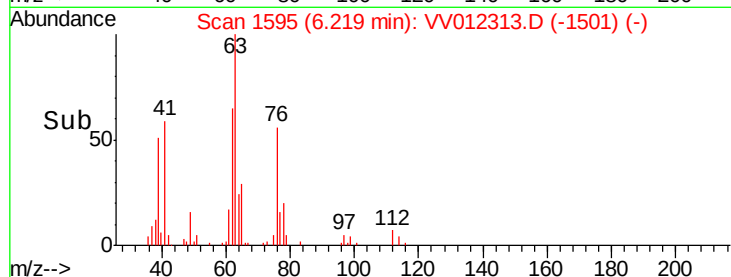
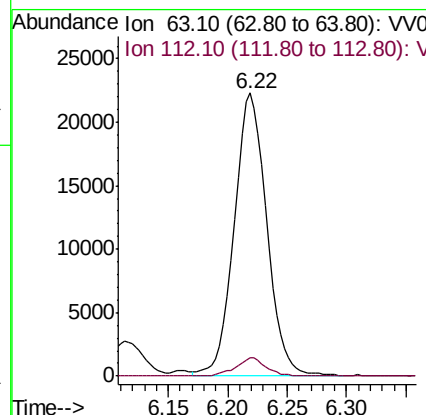
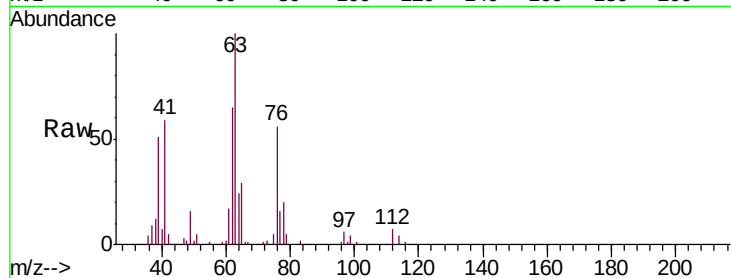




#37
 1,2-Dichloropropane
 Concen: 5.175 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012313.D
 Acq: 20 Aug 2019 16:02

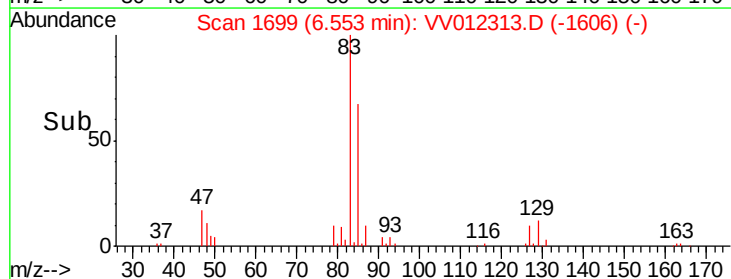
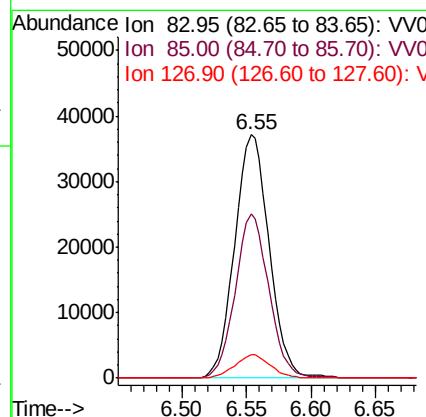
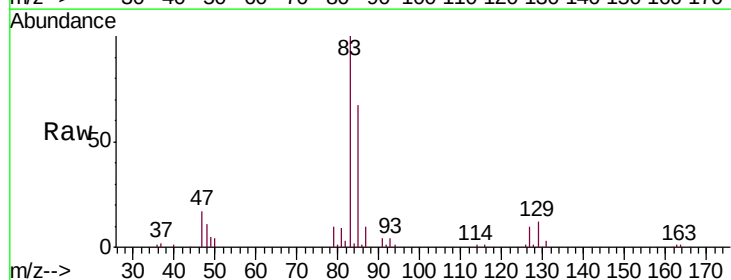
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

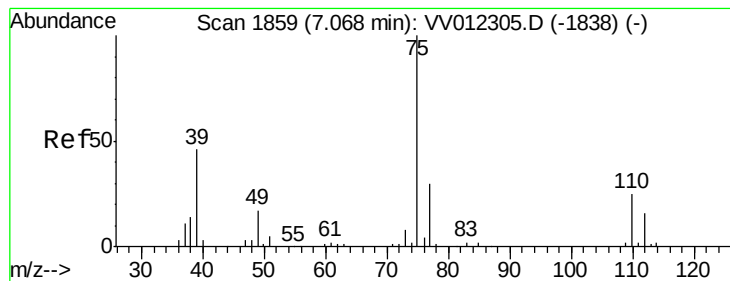
Tgt Ion: 63 Resp: 42397
 Ion Ratio Lower Upper
 63 100
 112 5.9 5.1 7.7



#38
 Bromodichloromethane
 Concen: 5.594 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012313.D
 Acq: 20 Aug 2019 16:02

Tgt Ion: 83 Resp: 69233
 Ion Ratio Lower Upper
 83 100
 85 67.2 44.5 82.7
 127 9.6 8.9 13.3



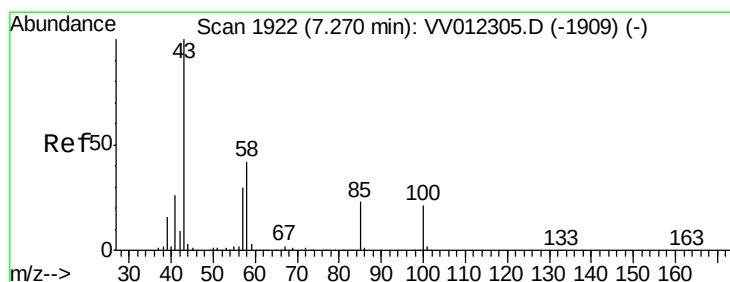
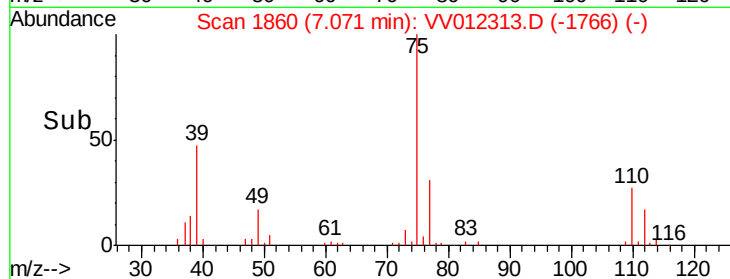
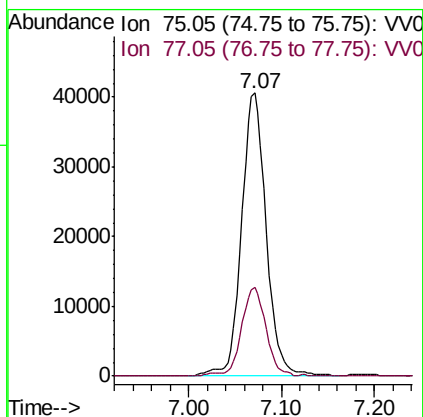
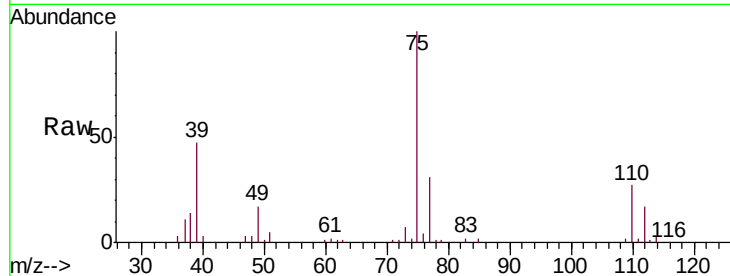


#39

cis-1,3-Dichloropropene
 Concen: 5.770 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012313.D
 Acq: 20 Aug 2019 16:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

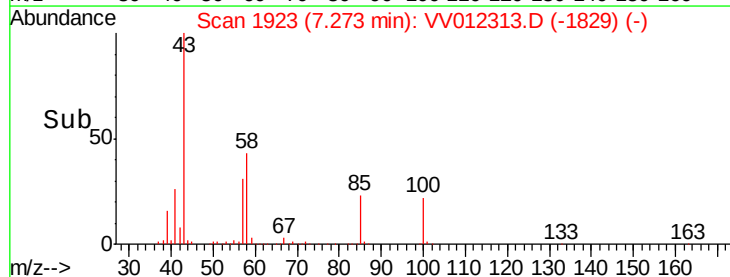
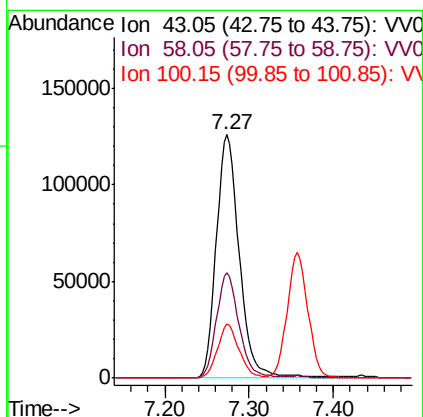
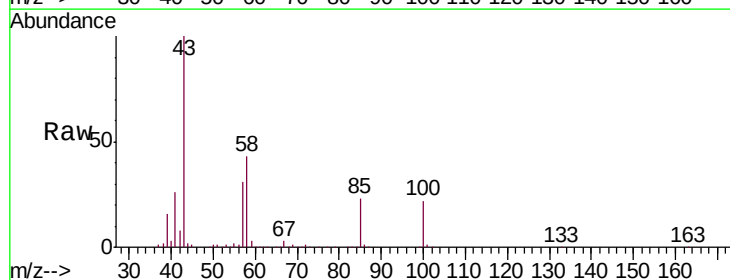
Tgt Ion: 75 Resp: 75029
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.5 39.9

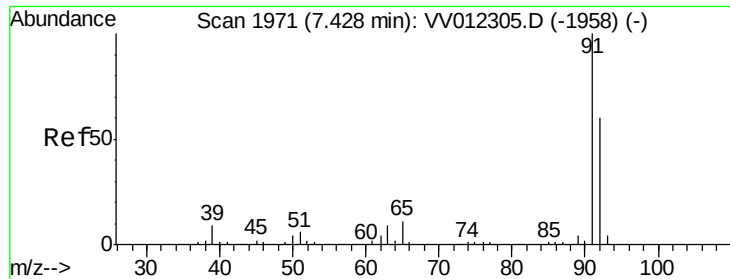


#40

4-Methyl-2-pentanone
 Concen: 55.655 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV012313.D
 Acq: 20 Aug 2019 16:02

Tgt Ion: 43 Resp: 239392
 Ion Ratio Lower Upper
 43 100
 58 42.0 32.1 48.1
 100 20.8 15.2 22.8





#42

Toluene

Concen: 5.690 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

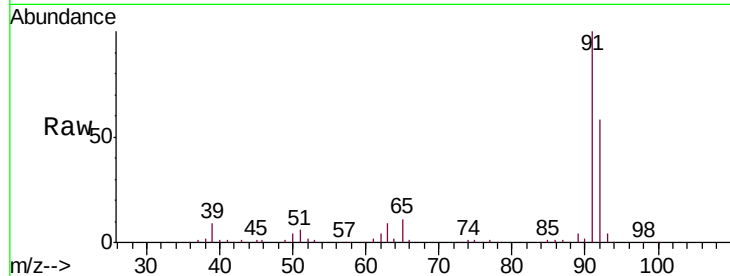
VSTD00548

Tgt Ion: 91 Resp: 220503

Ion Ratio Lower Upper

91 100

92 58.3 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VV012313.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV012313.D (-1958) (-)

7.43

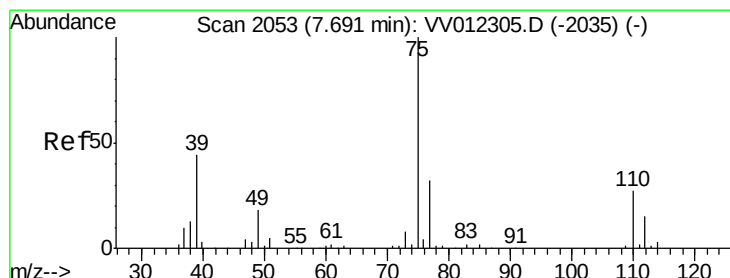
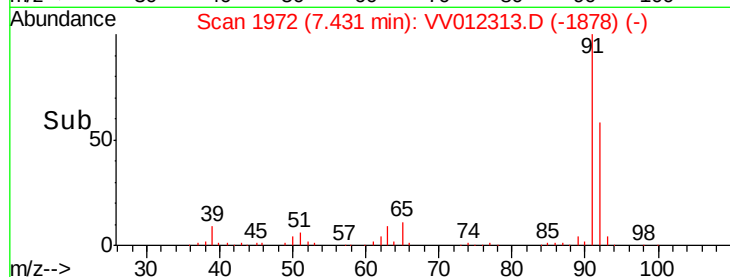
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.730 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012313.D

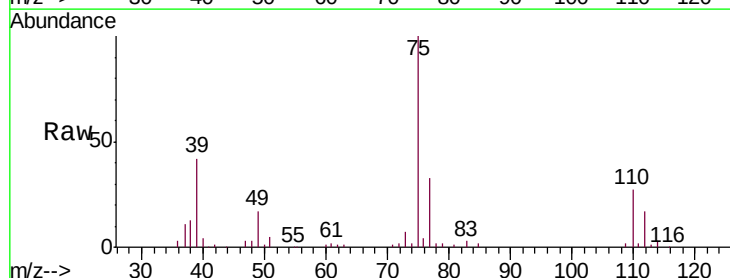
Acq: 20 Aug 2019 16:02

Tgt Ion: 75 Resp: 59510

Ion Ratio Lower Upper

75 100

77 33.1 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV012313.D (-1960) (-)

Ion 77.05 (76.75 to 77.75): VV012313.D (-1960) (-)

7.69

40000

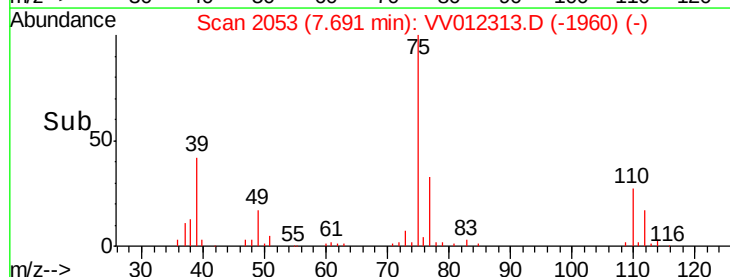
30000

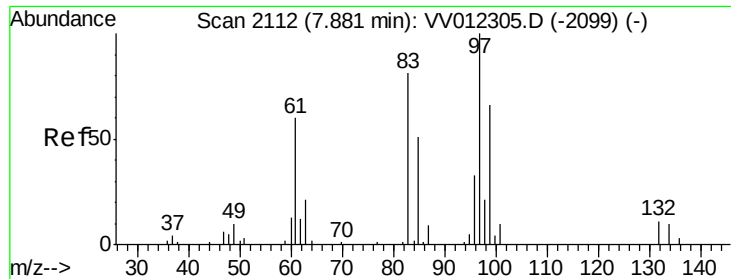
20000

10000

0

Time-->

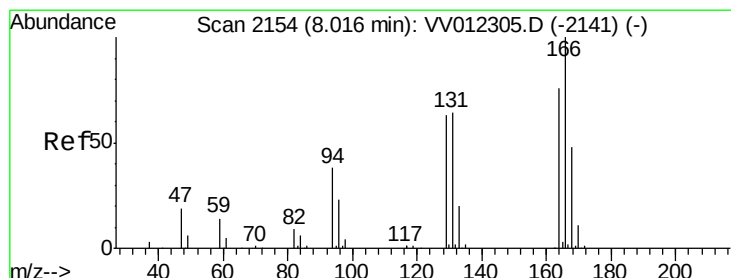
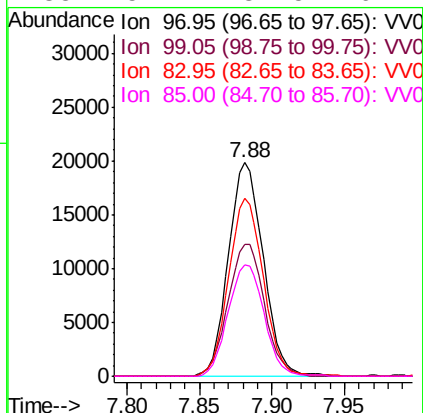
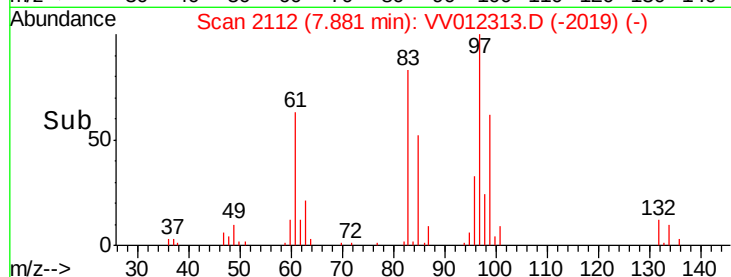
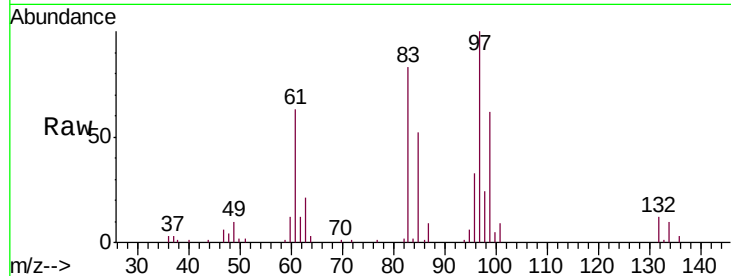




#45
 1,1,2-Trichloroethane
 Concen: 5.263 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012313.D
 Acq: 20 Aug 2019 16:02

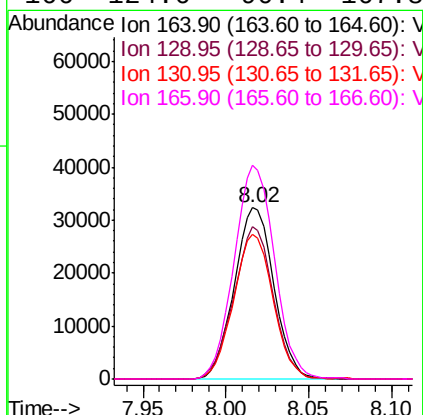
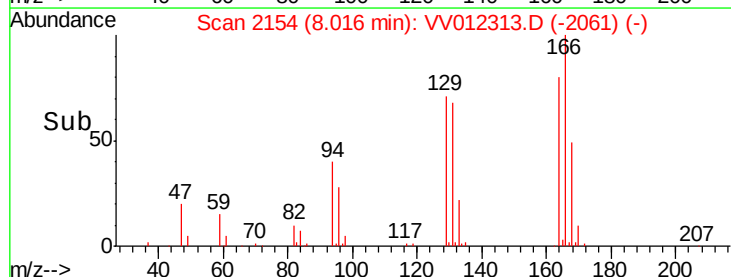
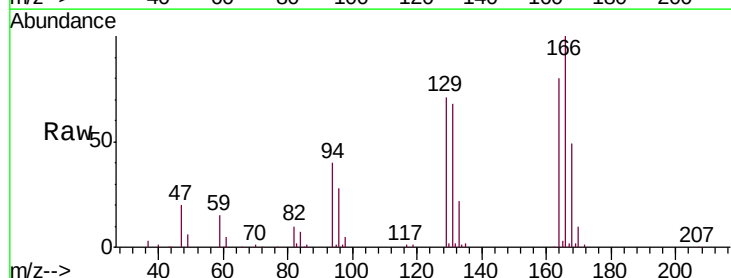
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

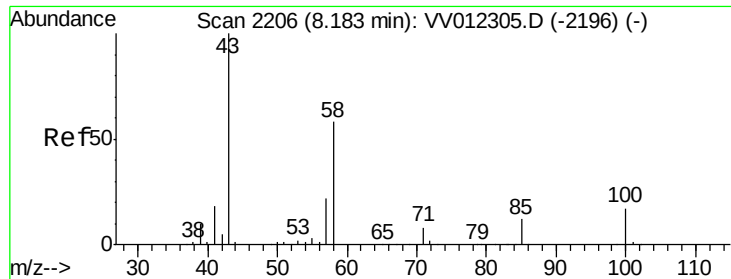
Tgt Ion:	97	Resp:	33079
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.7	83.1
83	83.2	56.8	105.6
85	52.1	34.5	64.1



#47
 Tetrachloroethene
 Concen: 5.673 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012313.D
 Acq: 20 Aug 2019 16:02

Tgt Ion:	164	Resp:	53748
Ion	Ratio	Lower	Upper
164	100		
129	88.8	60.8	112.8
131	84.5	59.4	110.2
166	124.6	90.4	167.8

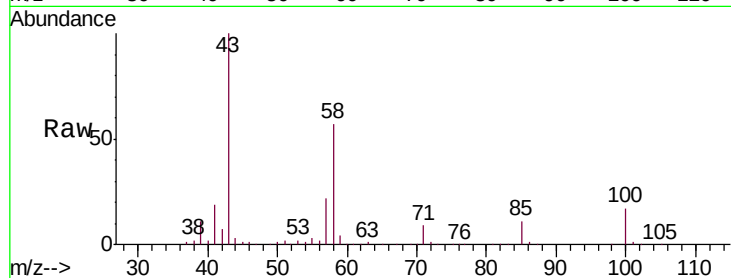




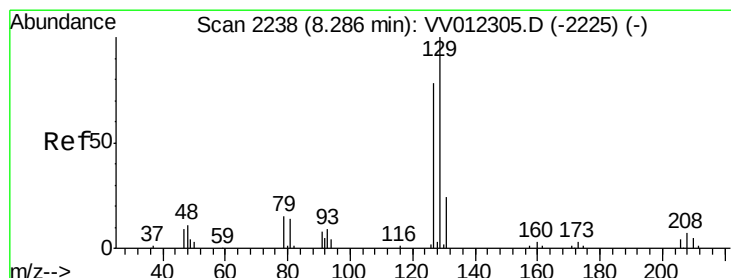
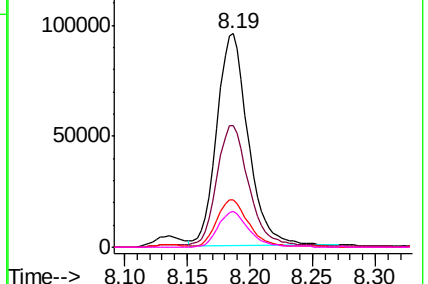
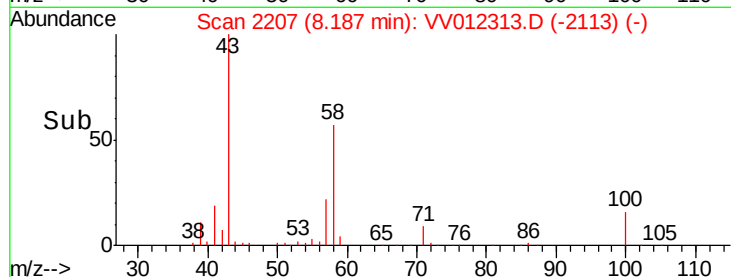
#48
2-Hexanone
Concen: 53.993 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012313.D
Acq: 20 Aug 2019 16:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

Tgt Ion:	43	Resp:	167165
Ion	Ratio	Lower	Upper
43	100		
58	58.3	45.4	68.2
57	23.0	16.8	25.2
100	16.4	12.2	18.2

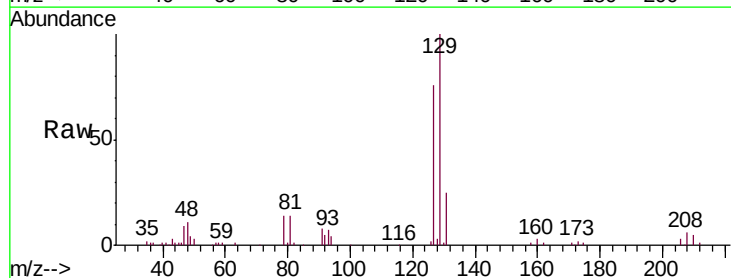


Abundance Ion 43.05 (42.75 to 43.75): VV012313.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV012313.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV012313.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV012313.D (-2196) (-)

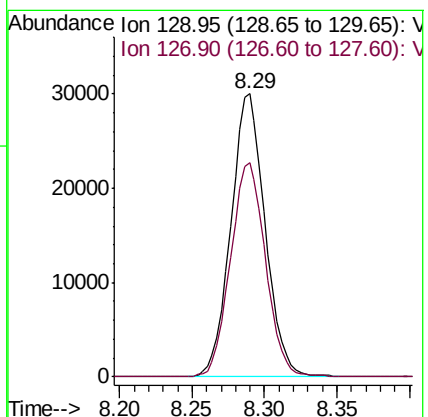
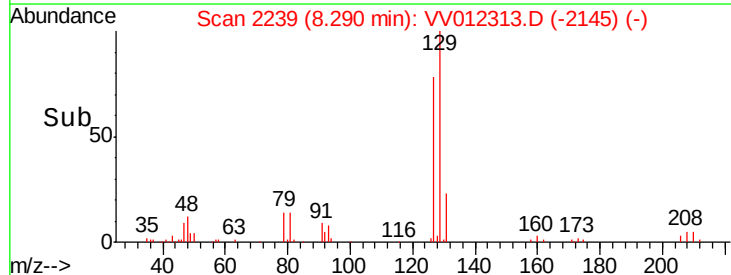


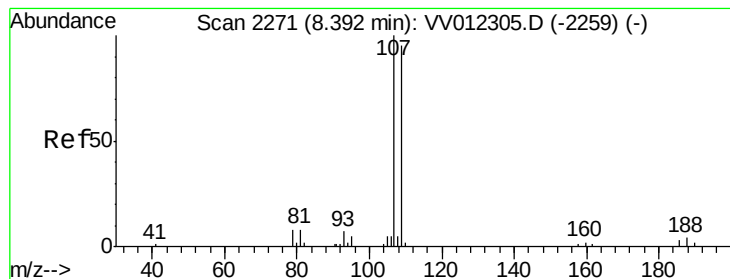
#49
Dibromochloromethane
Concen: 5.747 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012313.D
Acq: 20 Aug 2019 16:02

Tgt Ion:	129	Resp:	49071
Ion	Ratio	Lower	Upper
129	100		
127	75.8	53.9	100.1



Abundance Ion 128.95 (128.65 to 129.65): VV012313.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV012313.D (-2145) (-)





#50

1,2-Dibromoethane

Concen: 5.502 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

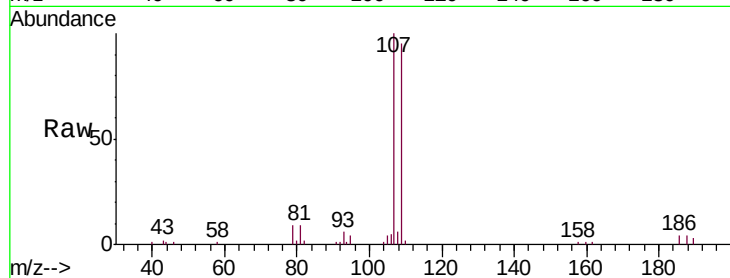
Tgt Ion:107 Resp: 32666

Ion Ratio Lower Upper

107 100

109 95.0 70.0 130.0

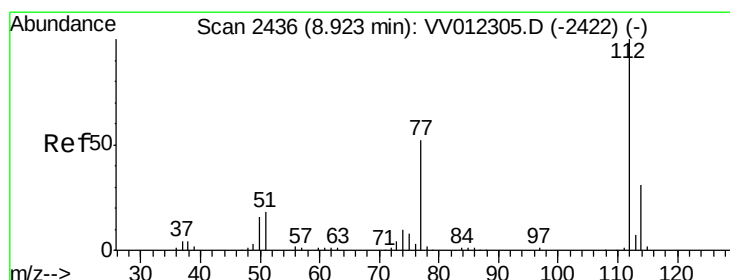
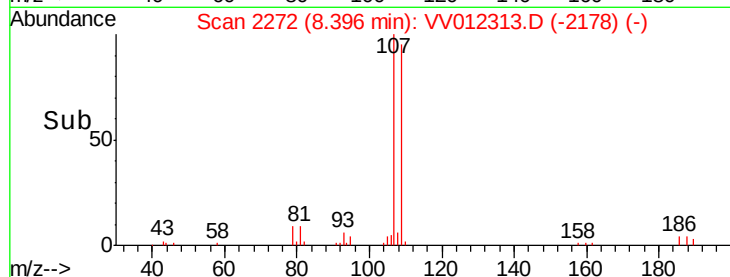
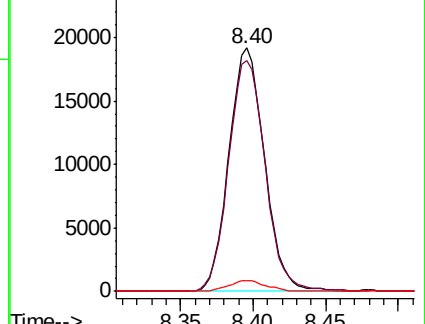
188 4.5 3.7 5.5



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: 5.620 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

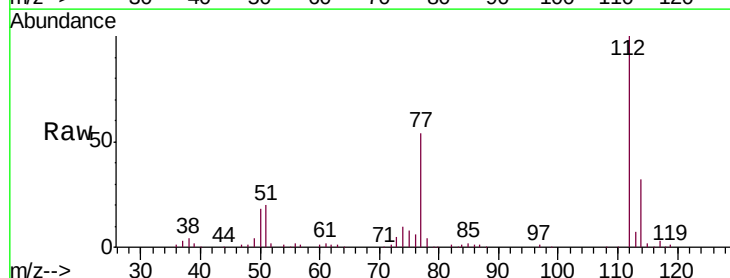
Tgt Ion:112 Resp: 148588

Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.5

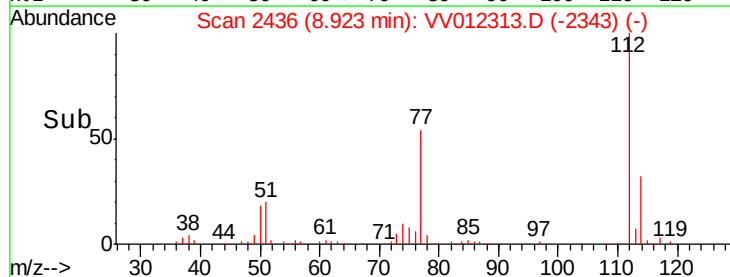
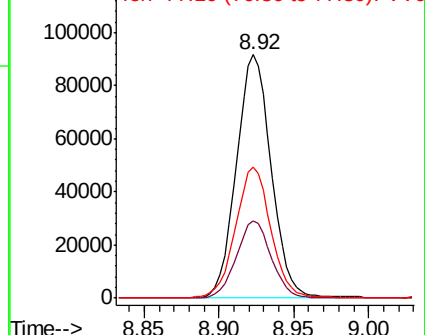
77 54.0 43.9 65.9

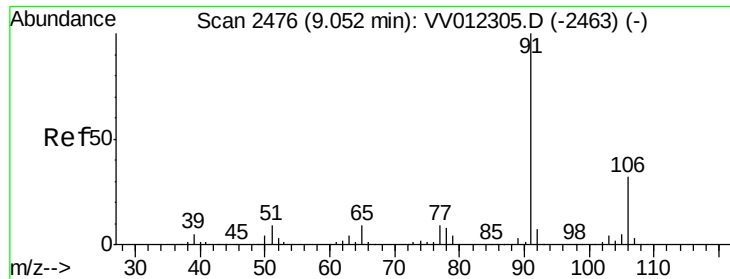


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.921 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

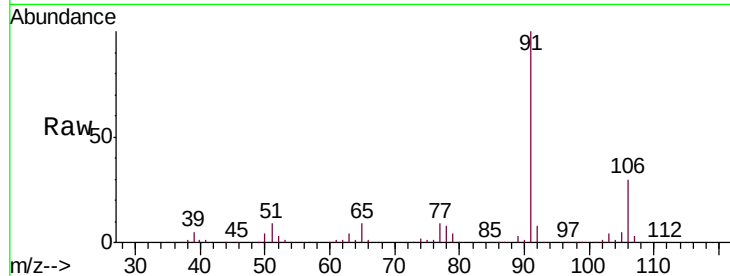
VSTD00548

Tgt Ion: 91 Resp: 256723

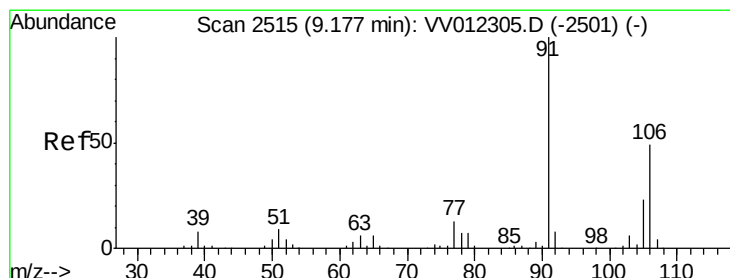
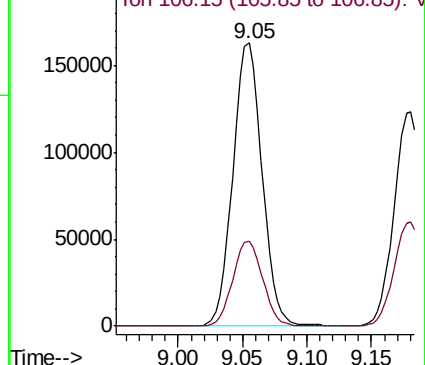
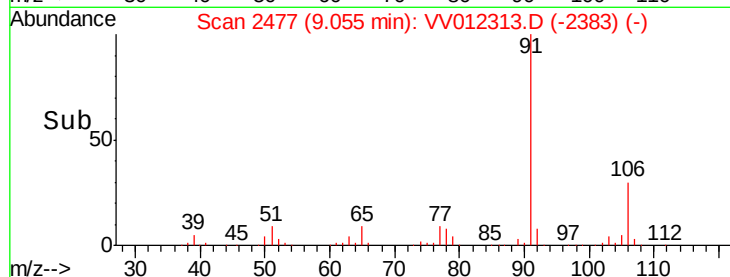
Ion Ratio Lower Upper

91 100

106 30.0 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV012313.D (-2383) (-)



#53

m,p-xylene

Concen: 5.893 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012313.D

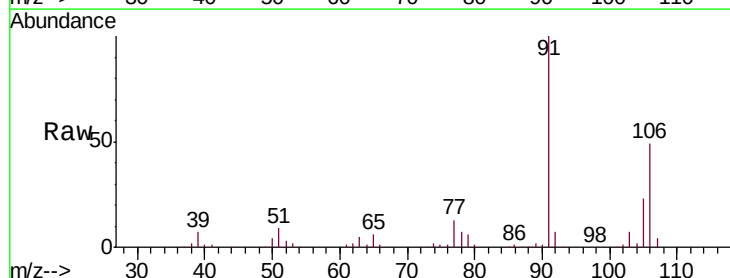
Acq: 20 Aug 2019 16:02

Tgt Ion: 106 Resp: 99751

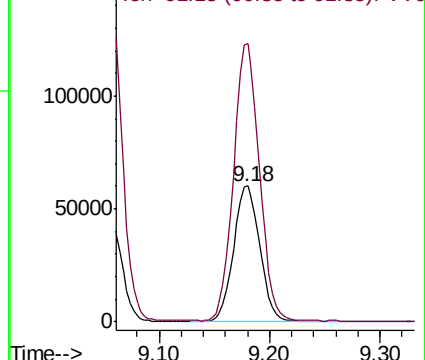
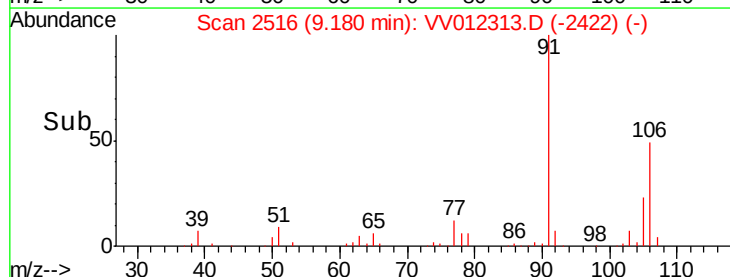
Ion Ratio Lower Upper

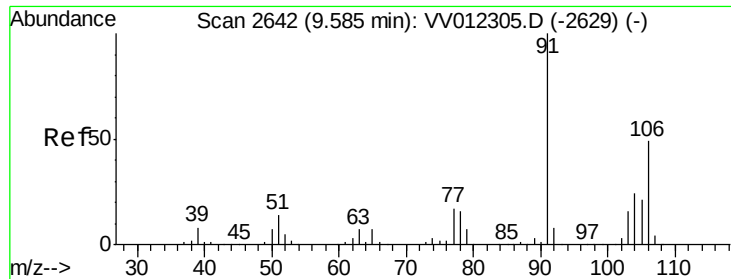
106 100

91 205.0 136.0 252.6



Abundance Ion 106.15 (105.85 to 106.85): VV012313.D (-2422) (-)





#54

o-xylene

Concen: 5.911 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

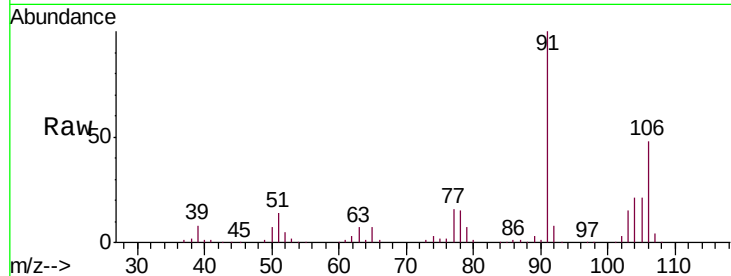
VSTD00548

Tgt Ion:106 Resp: 96225

Ion Ratio Lower Upper

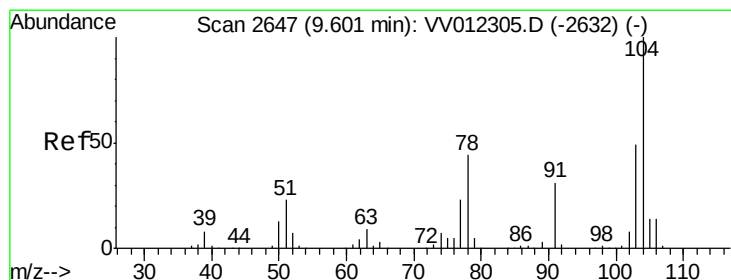
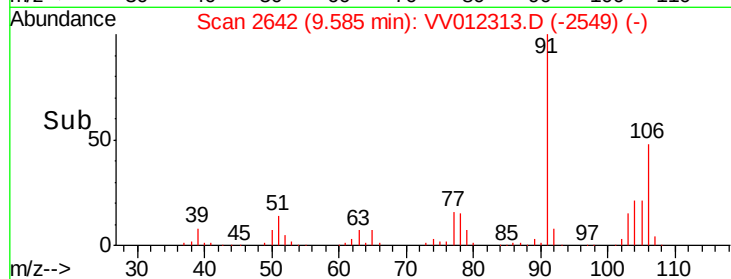
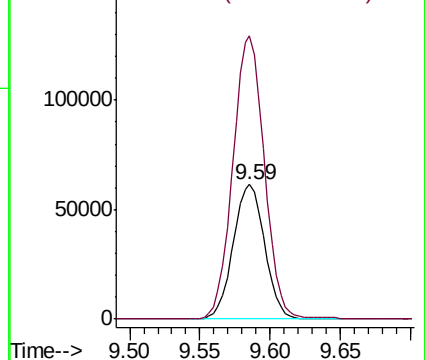
106 100

91 210.1 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.784 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012313.D

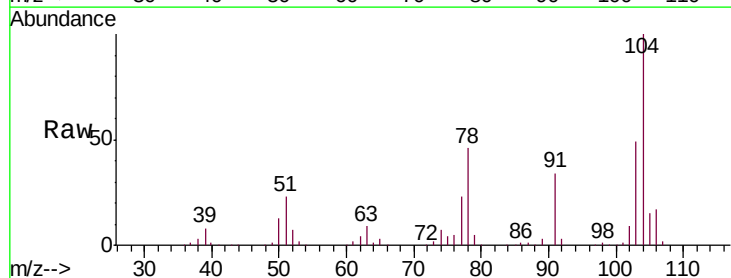
Acq: 20 Aug 2019 16:02

Tgt Ion:104 Resp: 159053

Ion Ratio Lower Upper

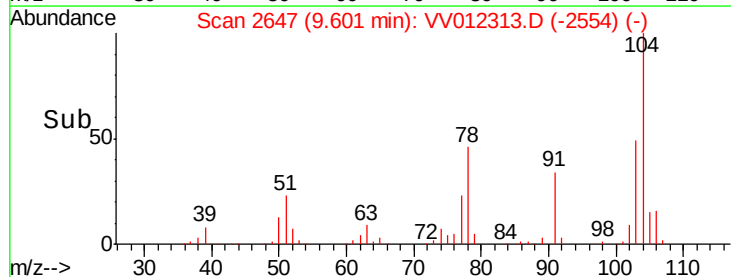
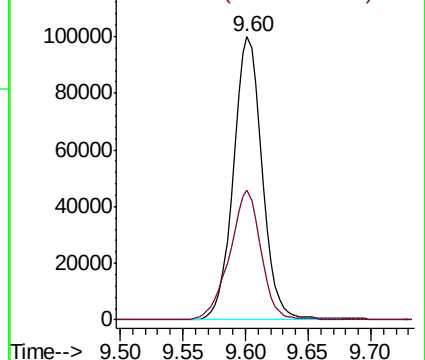
104 100

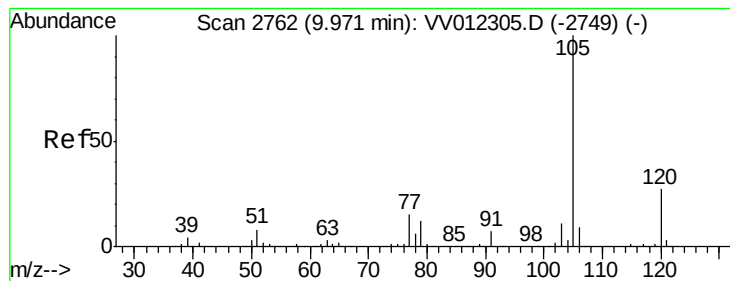
78 45.7 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.981 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

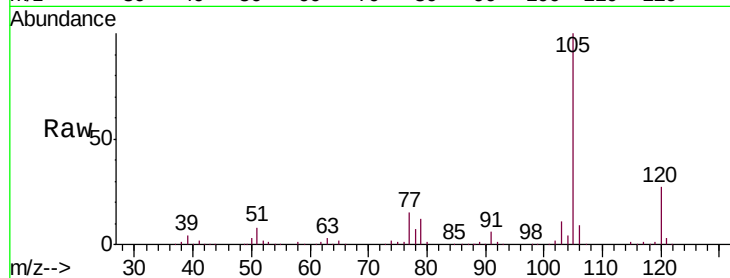
Tgt Ion: 105 Resp: 268774

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

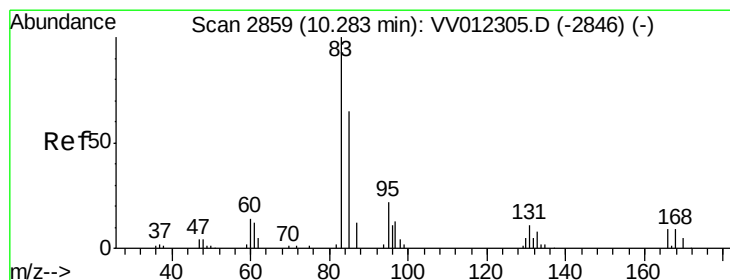
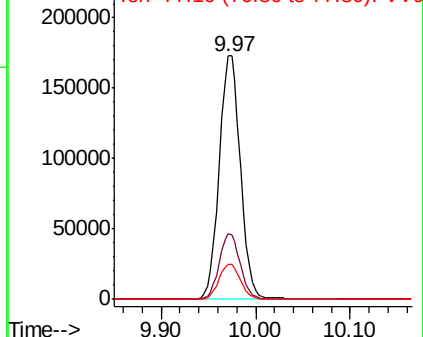
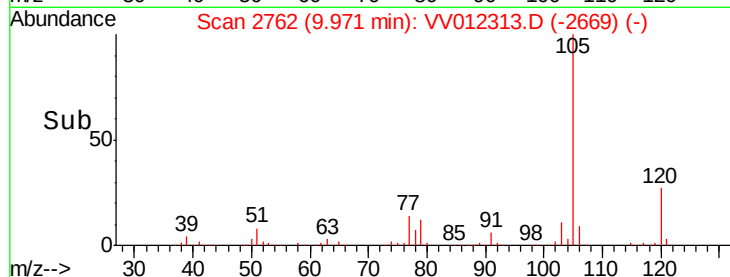
77 14.7 12.2 18.2



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: 5.687 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

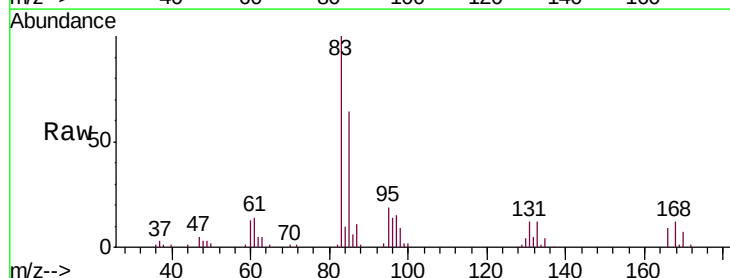
Tgt Ion: 83 Resp: 36514

Ion Ratio Lower Upper

83 100

85 63.8 47.0 87.2

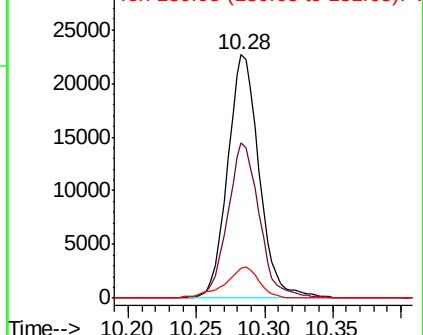
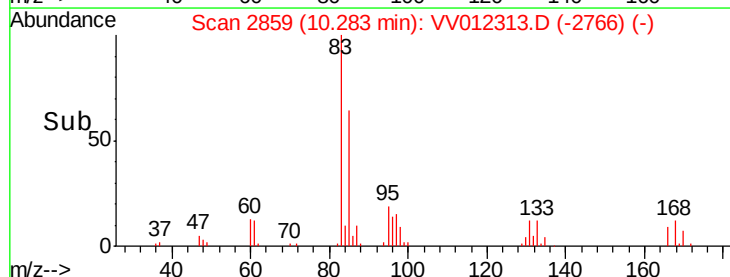
131 12.3 9.0 13.4

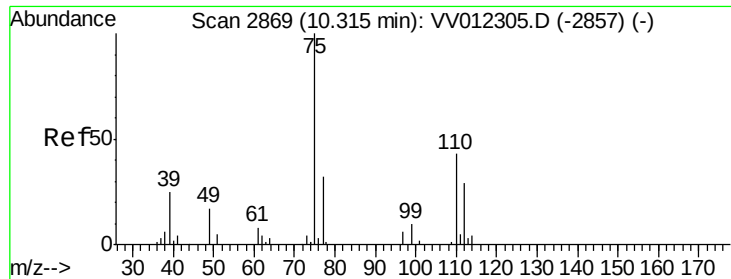


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.192 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

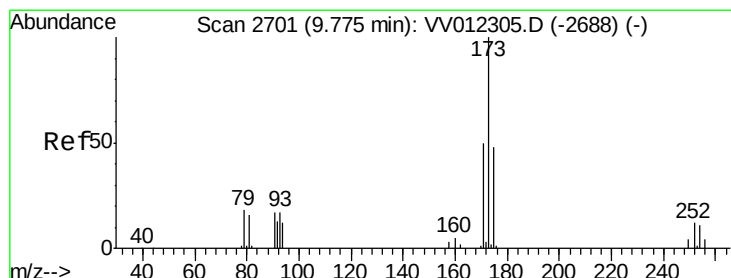
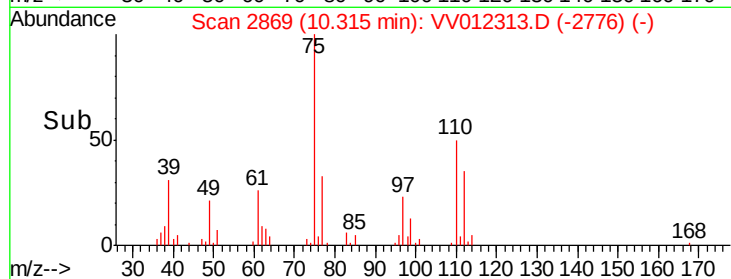
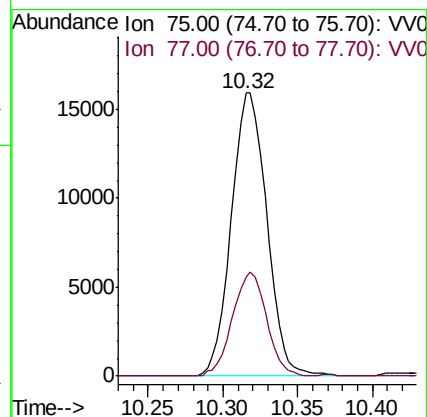
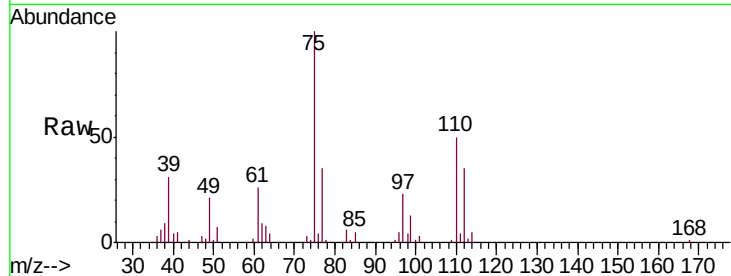
VSTD00548

Tgt Ion: 75 Resp: 26363

Ion Ratio Lower Upper

75 100

77 35.2 25.8 38.8



#61

Bromoform

Concen: 5.911 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

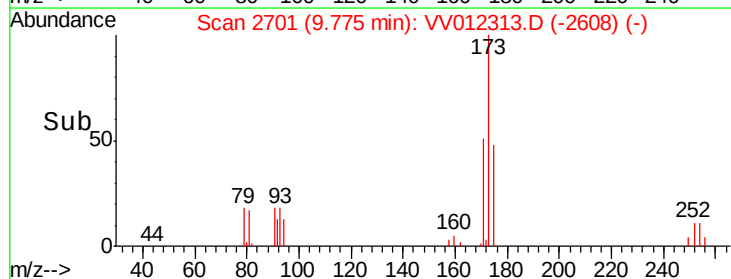
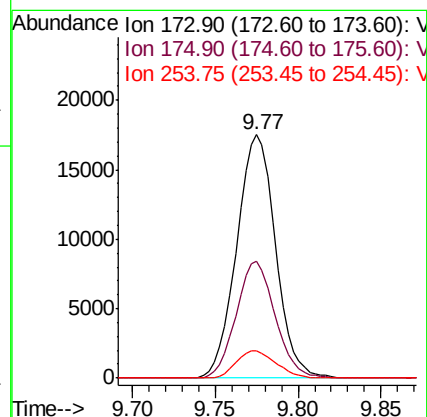
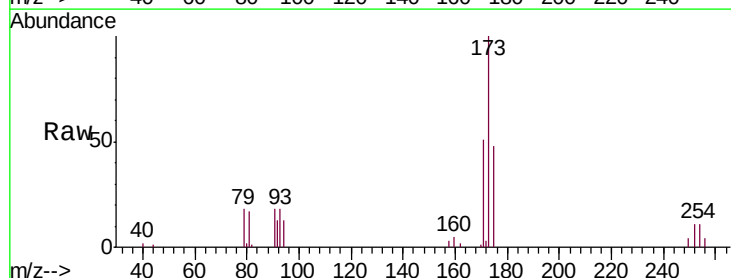
Tgt Ion: 173 Resp: 28528

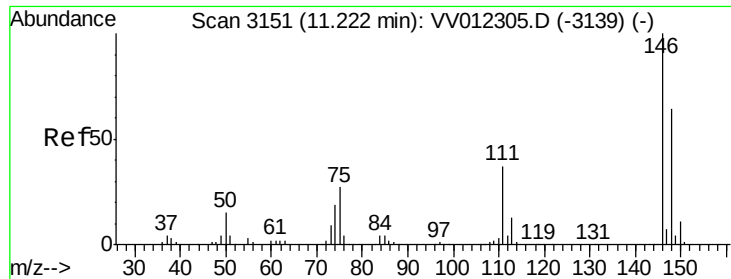
Ion Ratio Lower Upper

173 100

175 48.0 38.9 58.3

254 11.3 9.0 13.6





#62

1,3-Dichlorobenzene

Concen: 5.573 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

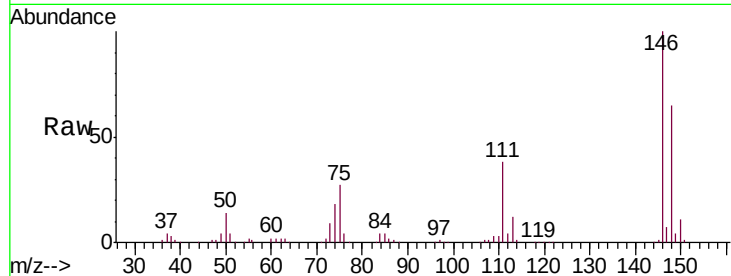
Tgt Ion:146 Resp: 131795

Ion Ratio Lower Upper

146 100

111 38.2 26.8 49.8

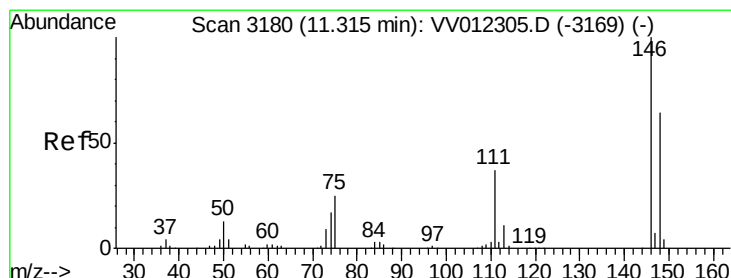
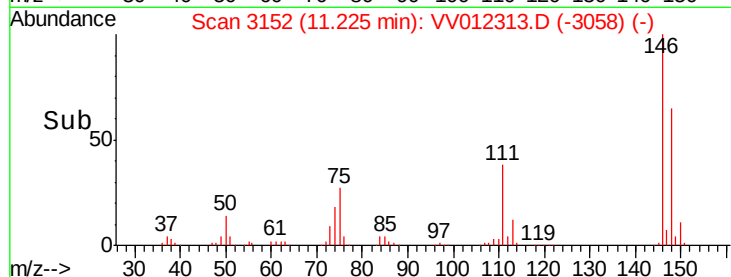
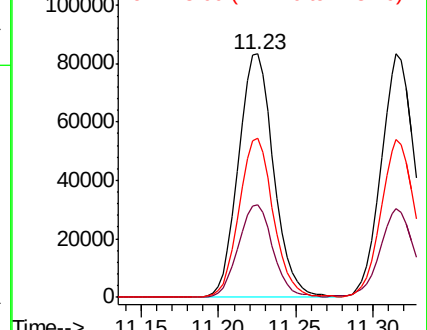
148 65.5 44.0 81.8



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: 5.424 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

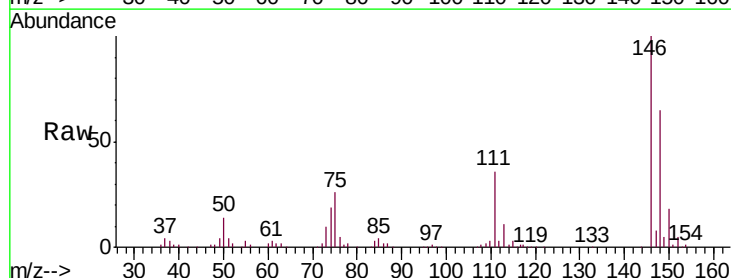
Tgt Ion:146 Resp: 127562

Ion Ratio Lower Upper

146 100

111 36.4 26.2 48.6

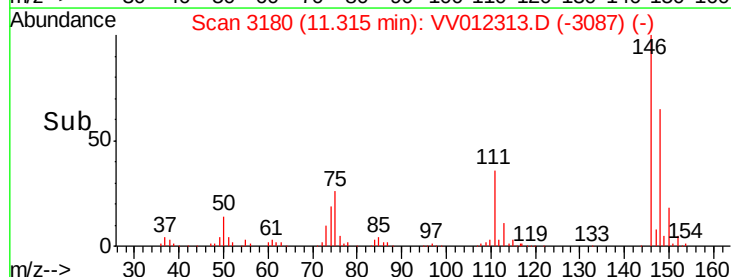
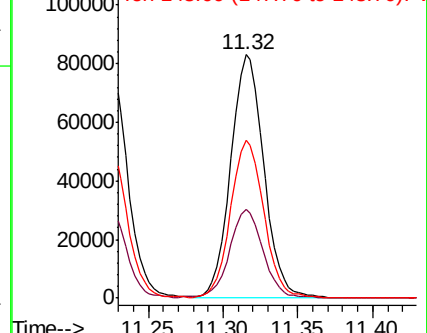
148 64.8 45.3 84.1

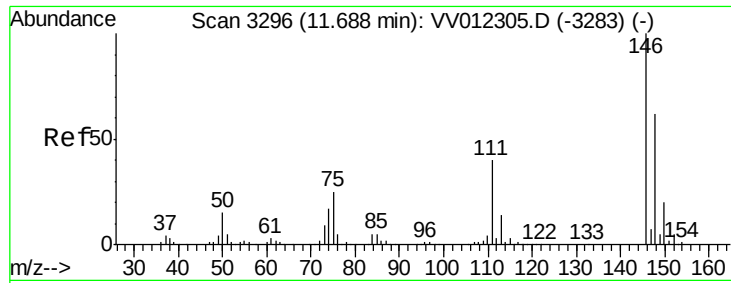


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

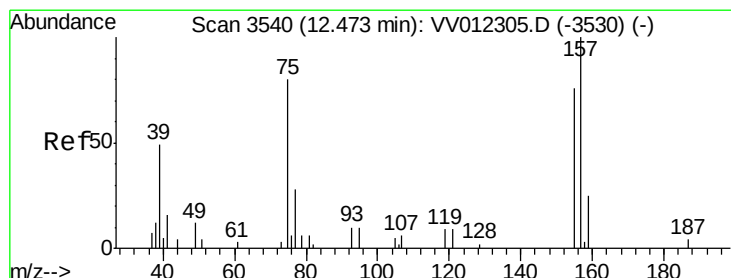
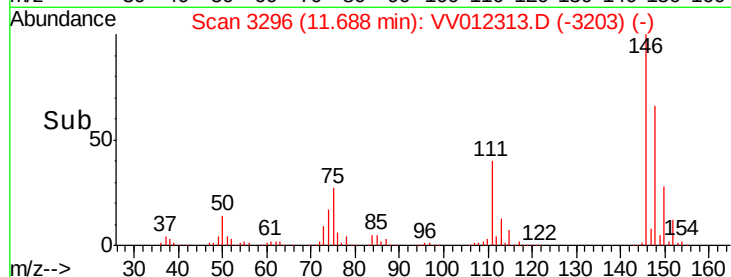
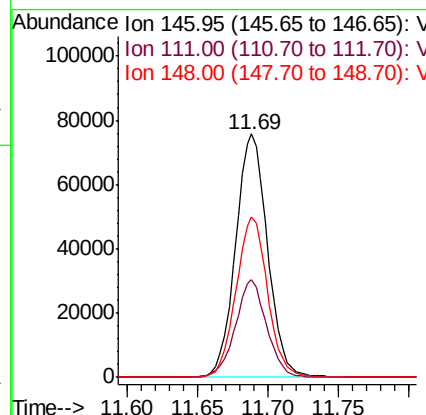
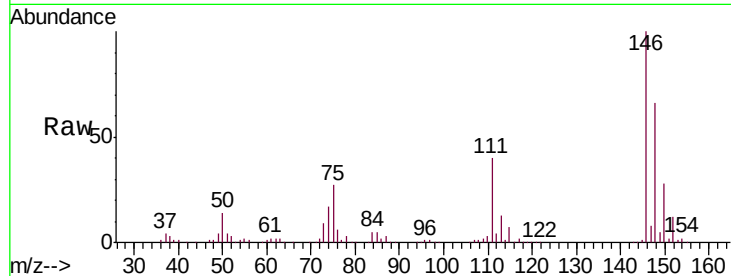




#65
 1,2-Dichlorobenzene
 Concen: 5.530 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012313.D
 Acq: 20 Aug 2019 16:02

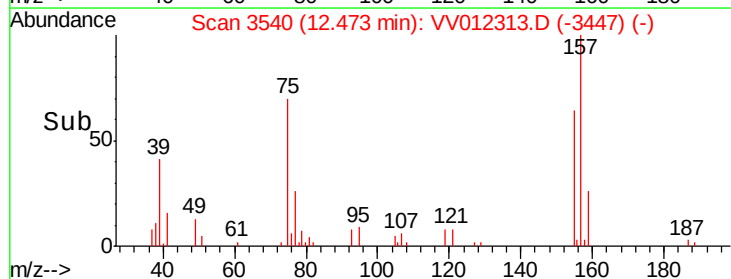
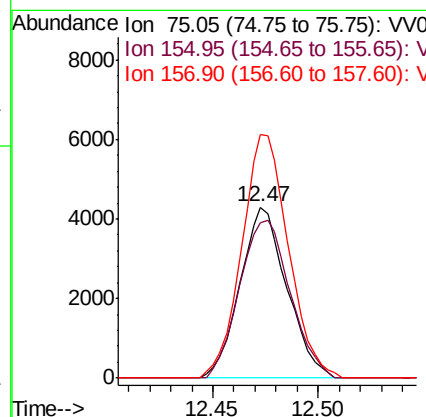
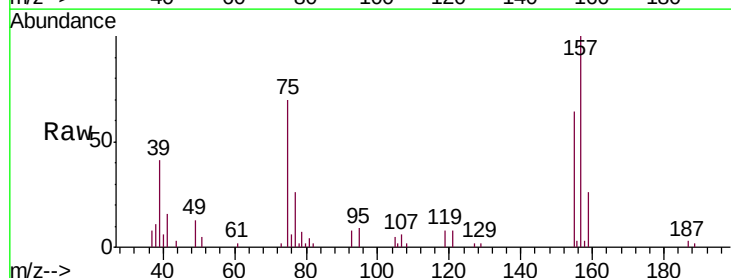
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

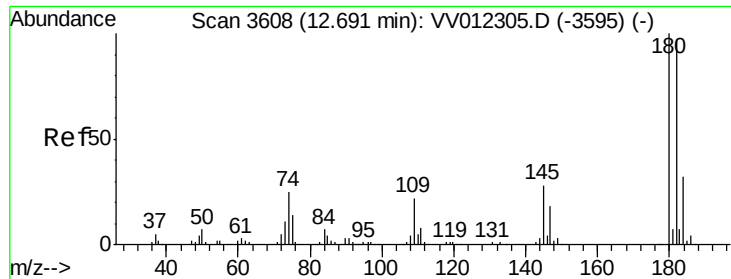
Tgt Ion: 146 Resp: 119970
 Ion Ratio Lower Upper
 146 100
 111 40.1 31.4 47.0
 148 66.1 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.816 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV012313.D
 Acq: 20 Aug 2019 16:02

Tgt Ion: 75 Resp: 6593
 Ion Ratio Lower Upper
 75 100
 155 90.6 68.4 102.6
 157 142.6 92.6 139.0#

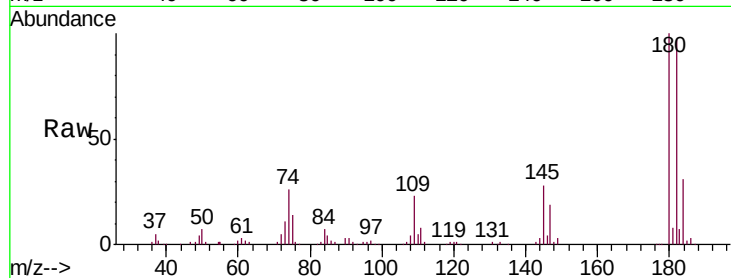




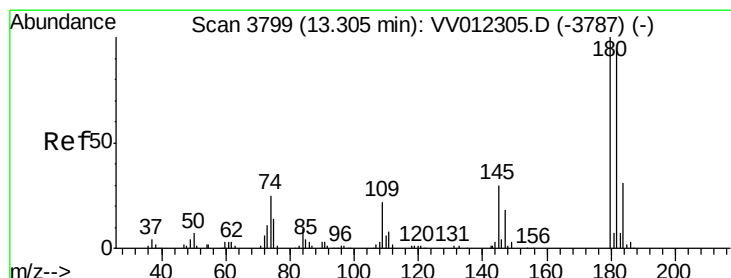
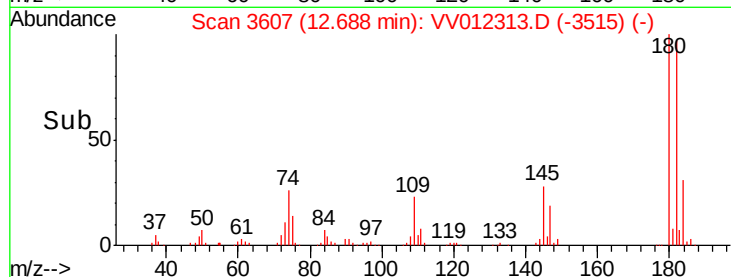
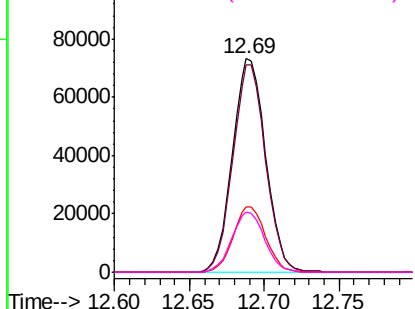
#67
 1,3,5-Trichlorobenzene
 Concen: 5.834 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV012313.D
 Acq: 20 Aug 2019 16:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

Tgt Ion:	180	Resp:	113159
Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.9	113.9
184	30.0	24.6	36.8
145	27.9	22.6	33.8

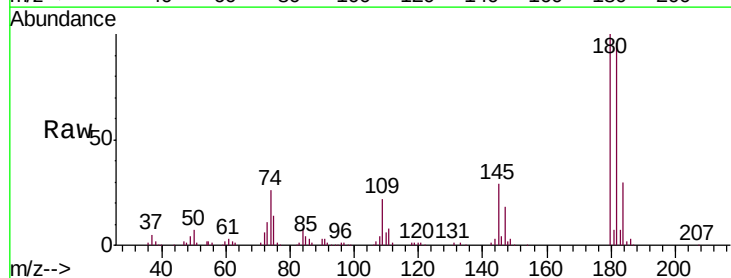


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

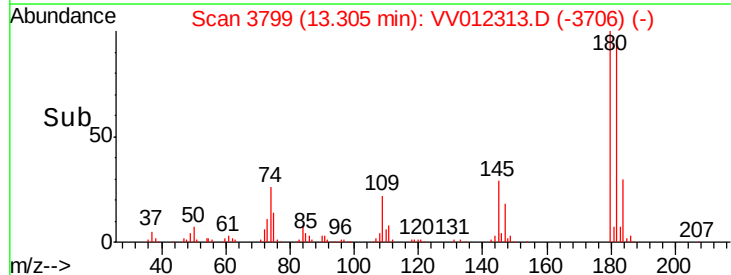
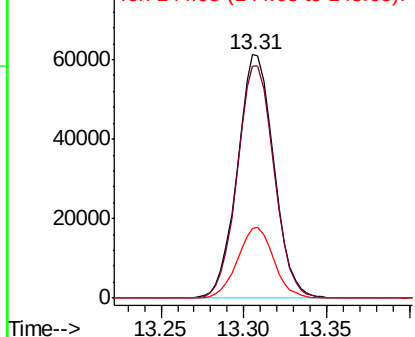


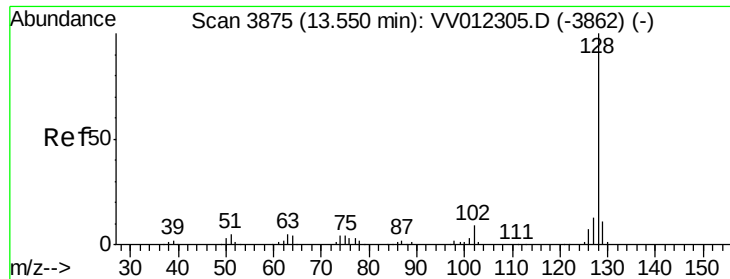
#68
 1,2,4-trichlorobenzene
 Concen: 6.521 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012313.D
 Acq: 20 Aug 2019 16:02

Tgt Ion:	180	Resp:	93518
Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.2	115.8
145	28.6	22.6	33.8



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: 17.499 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

Instrument :

MSVOA_V

ClientSampled :

VSTD00548

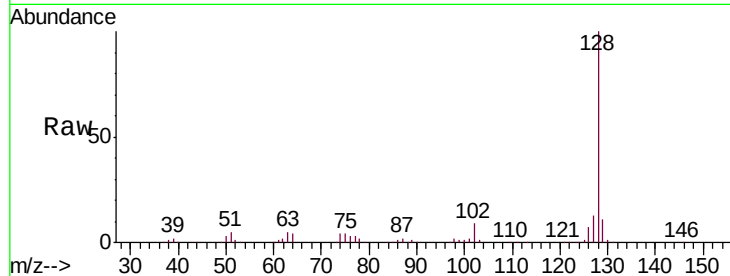
Tgt Ion:128 Resp: 341350

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

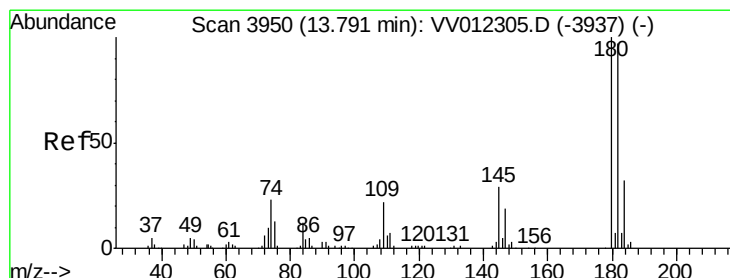
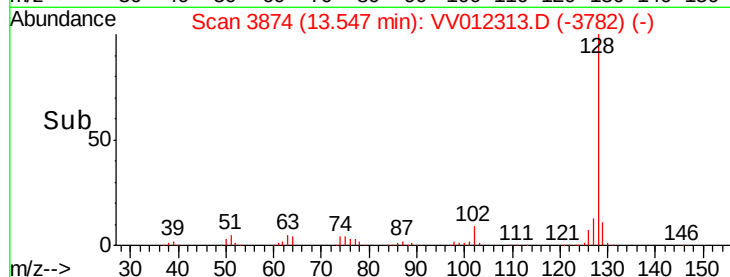
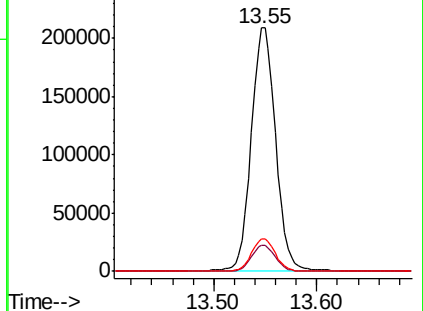
127 13.1 10.5 15.7



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: 6.432 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012313.D

Acq: 20 Aug 2019 16:02

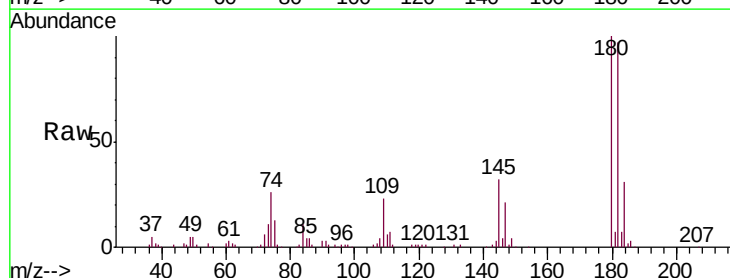
Tgt Ion:180 Resp: 85339

Ion Ratio Lower Upper

180 100

182 95.0 75.9 113.9

145 30.6 24.1 36.1



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

