

Data File : VV013023.D
Acq On : 02 Oct 2019 09:21
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02578

Quant Time: Oct 03 03:52:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM093019SMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 02 10:37:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	768708	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	739189	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	404460	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	244962	22.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.08%
7) Chloroethane-d5	1.58	69	215285	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.13	63	452965	23.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.68%
21) 2-Butanone-d5	3.95	46	186283	47.98	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.96%
24) Chloroform-d	4.40	84	477994	23.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.36%
26) 1,2-Dichloroethane-d4	5.08	65	260864	22.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.56%
32) Benzene-d6	5.09	84	957381	23.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.92%
36) 1,2-Dichloropropane-d6	6.11	67	295138	23.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.36%
41) Toluene-d8	7.36	98	896123	24.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.28%
43) trans-1,3-Dichloropropene-	7.66	79	123697	23.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.24%
47) 2-Hexanone-d5	8.13	63	126792	47.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.10%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	275962	23.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.32%
66) 1,2-Dichlorobenzene-d4	11.67	152	347848	22.30	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	257277	31.239 ug/L	99
3) Chloromethane	1.25	50	297562	28.376 ug/L	99
5) Vinyl chloride	1.32	62	310717	28.760 ug/L	100
6) Bromomethane	1.54	94	186427	26.862 ug/L	99
8) Chloroethane	1.60	64	189156	27.701 ug/L	99
9) Trichlorofluoromethane	1.77	101	410973	28.084 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	250473	26.704 ug/L	99
12) 1,1-Dichloroethene	2.14	96	237179	26.922 ug/L	95
13) Acetone	2.22	43	208655	50.983 ug/L	99
14) Carbon disulfide	2.32	76	745388	27.568 ug/L	99
15) Methyl Acetate	2.47	43	165030	26.131 ug/L	99
16) Methylene chloride	2.53	84	294714	23.409 ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	273483	26.334 ug/L	98
18) Methyl tert-butyl Ether	2.80	73	641982	24.575 ug/L	100
19) 1,1-Dichloroethane	3.23	63	500579	26.264 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	292843	25.353 ug/L	99
22) 2-Butanone	4.03	43	241090	53.744 ug/L	100

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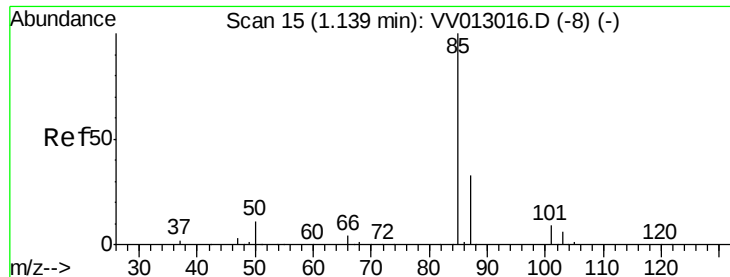
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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	140822	24.868	ug/L	100
25) Chloroform	4.42	83	511189	25.725	ug/L	100
27) 1,2-Dichloroethane	5.18	62	345163	25.268	ug/L	99
29) Cyclohexane	4.72	56	459248	28.221	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	417615	27.659	ug/L	100
31) Carbon tetrachloride	4.87	117	375614	27.636	ug/L	99
33) Benzene	5.14	78	1138359	26.936	ug/L	100
34) Trichloroethene	5.96	95	305753	26.706	ug/L	98
35) Methylcyclohexane	6.17	83	497406	27.680	ug/L	99
37) 1,2-Dichloropropane	6.22	63	291539	26.885	ug/L	100
38) Bromodichloromethane	6.55	83	367726	25.978	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	434275	26.597	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	446678	51.540	ug/L	99
42) Toluene	7.43	91	1237211	27.525	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	355943	26.550	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	232397	25.264	ug/L	99
46) Tetrachloroethene	8.02	164	256370	27.064	ug/L	99
48) 2-Hexanone	8.18	43	344750	54.635	ug/L	99
49) Dibromochloromethane	8.29	129	274471	26.166	ug/L	100
50) 1,2-Dibromoethane	8.39	107	231306	25.488	ug/L	96
51) Chlorobenzene	8.92	112	808206	26.509	ug/L	99
52) Ethylbenzene	9.05	91	1369295	27.731	ug/L	100
53) m,p-Xylene	9.18	106	528904	28.022	ug/L	98
54) o-Xylene	9.59	106	496175	27.477	ug/L	98
55) Styrene	9.60	104	888295	28.097	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	293457	26.164	ug/L	99
59) Bromoform	9.77	173	174336	25.166	ug/L	98
60) Isopropylbenzene	9.97	105	1340704	27.505	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	230440	25.030	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	1086844	27.673	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	1092516	27.701	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	665349	26.006	ug/L	100
65) 1,4-Dichlorobenzene	11.32	146	680983	25.345	ug/L	100
67) 1,2-Dichlorobenzene	11.69	146	617879	25.294	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.47	75	51319	25.700	ug/L	97
69) 1,3,5-Trichlorobenzene	12.69	180	515754	25.038	ug/L	100
70) 1,2,4-trichlorobenzene	13.31	180	434902	24.417	ug/L	99
71) Naphthalene	13.55	128	866388	24.971	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	419458	24.415	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 31.239 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013023.D

Acq: 02 Oct 2019 09:21

Instrument :

MSVOA_V

ClientSampled :

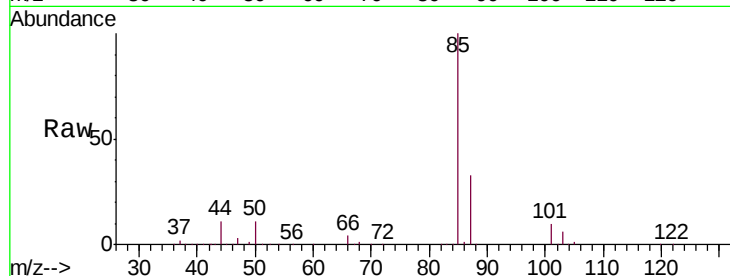
VSTD02578

Tgt Ion: 85 Resp: 257277

Ion Ratio Lower Upper

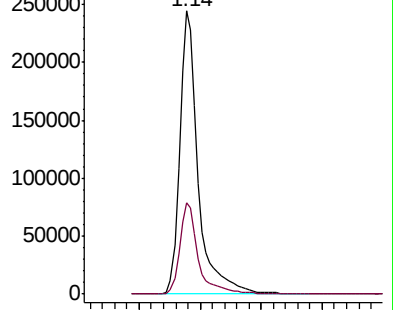
85 100

87 32.4 25.7 38.5

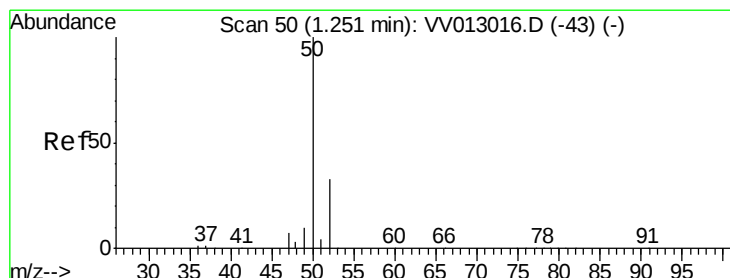
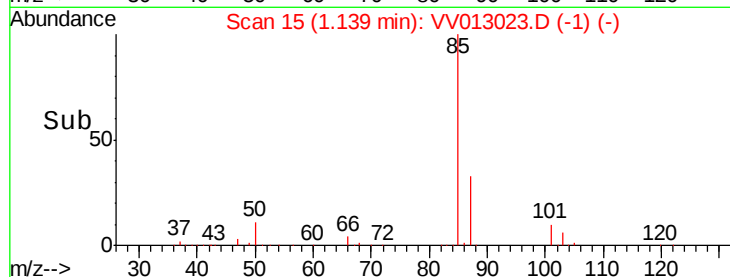


Abundance Ion 85.00 (84.70 to 85.70): VV013016.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV013016.D (-8) (-)



Time-->



#3

Chloromethane

Concen: 28.376 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013023.D

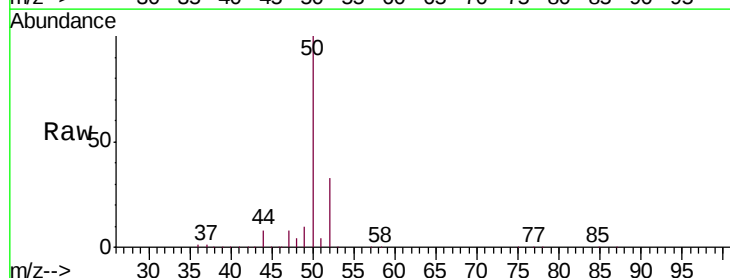
Acq: 02 Oct 2019 09:21

Tgt Ion: 50 Resp: 297562

Ion Ratio Lower Upper

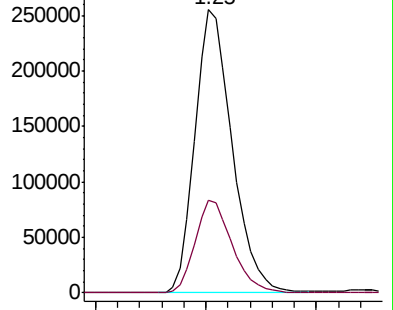
50 100

52 32.7 23.1 42.9

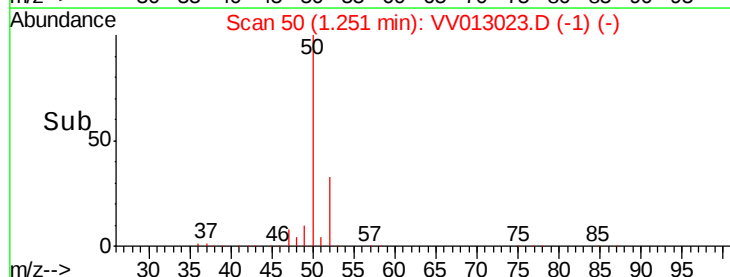


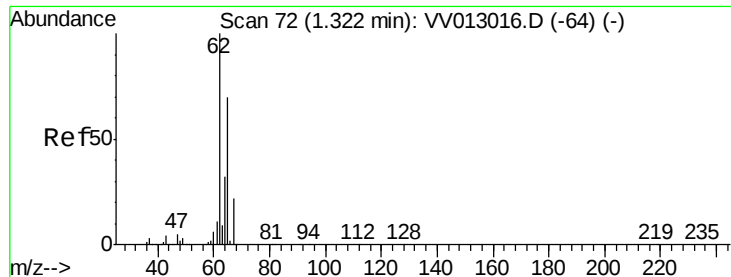
Abundance Ion 50.00 (49.70 to 50.70): VV013016.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV013016.D (-43) (-)



Time-->





#5

Vinyl chloride

Concen: 28.760 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013023.D

Acq: 02 Oct 2019 09:21

Instrument :

MSVOA_V

ClientSampleId :

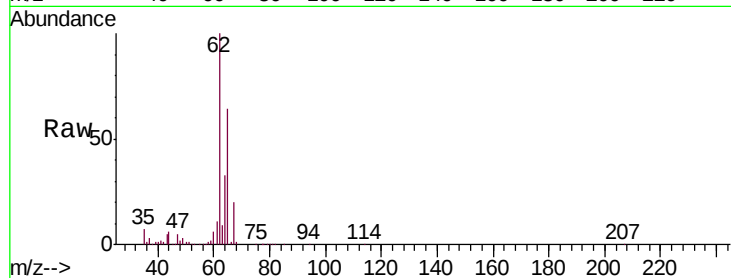
VSTD02578

Tgt Ion: 62 Resp: 310717

Ion Ratio Lower Upper

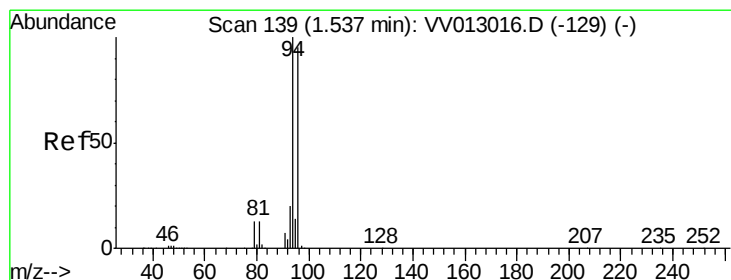
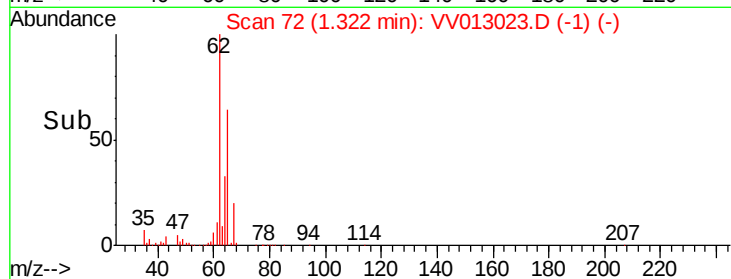
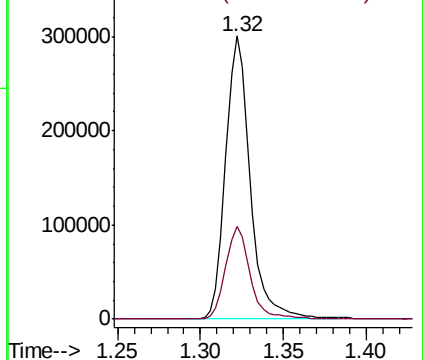
62 100

64 32.8 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 26.862 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV013023.D

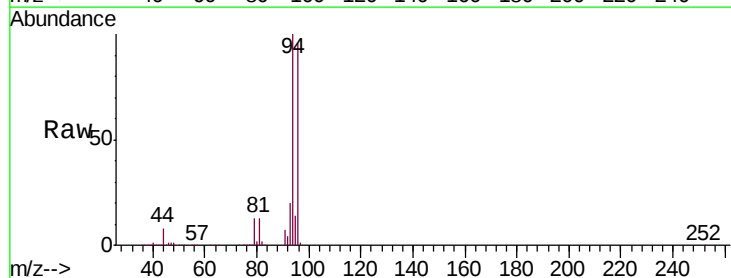
Acq: 02 Oct 2019 09:21

Tgt Ion: 94 Resp: 186427

Ion Ratio Lower Upper

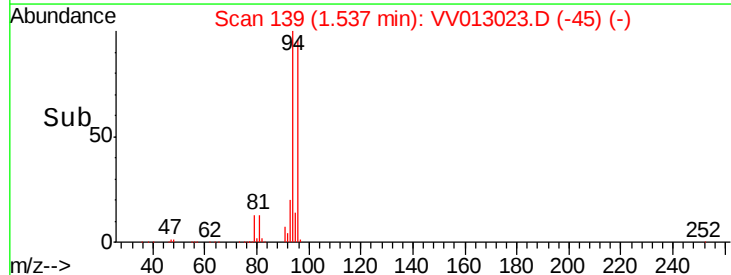
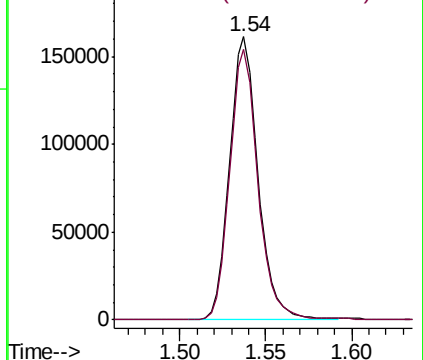
94 100

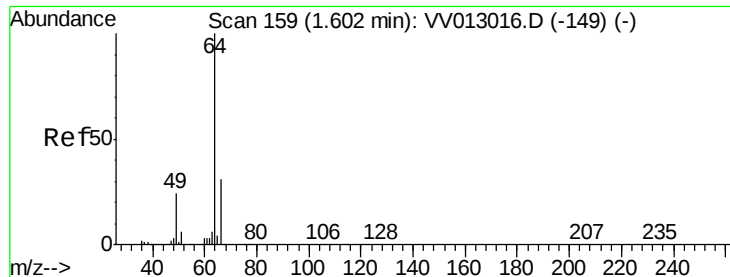
96 95.7 67.4 125.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 27.701 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013023.D

Acq: 02 Oct 2019 09:21

Instrument :

MSVOA_V

ClientSampleId :

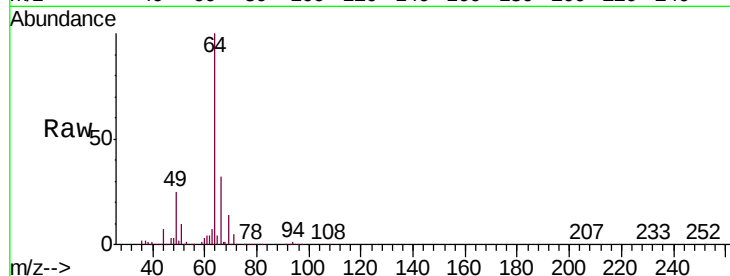
VSTD02578

Tgt Ion: 64 Resp: 189156

Ion Ratio Lower Upper

64 100

66 32.2 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV013016.D (-149) (-)

Ion 66.00 (65.70 to 66.70): VV013016.D (-149) (-)

1.60

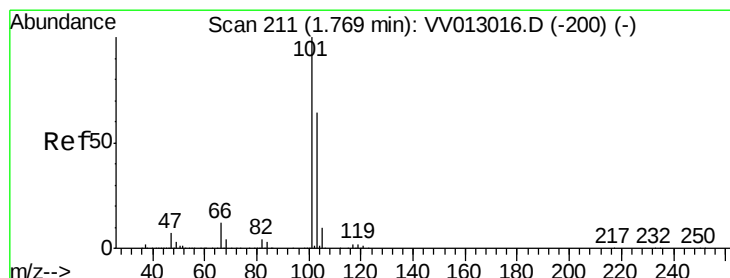
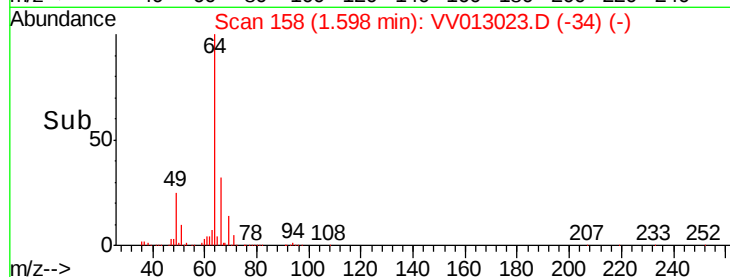
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 28.084 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV013023.D

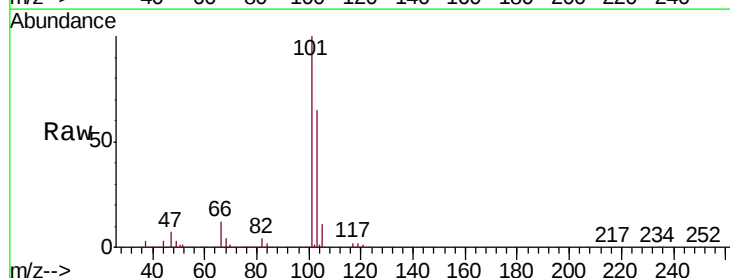
Acq: 02 Oct 2019 09:21

Tgt Ion: 101 Resp: 410973

Ion Ratio Lower Upper

101 100

103 65.3 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VV013016.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV013016.D (-200) (-)

1.77

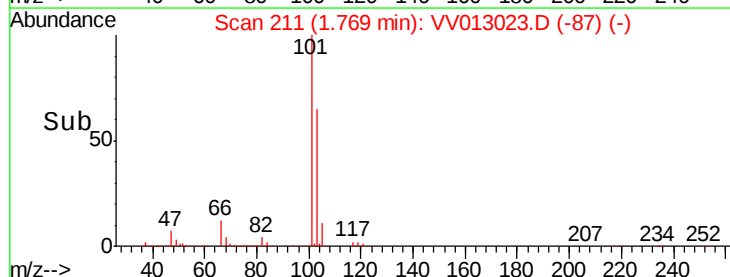
300000

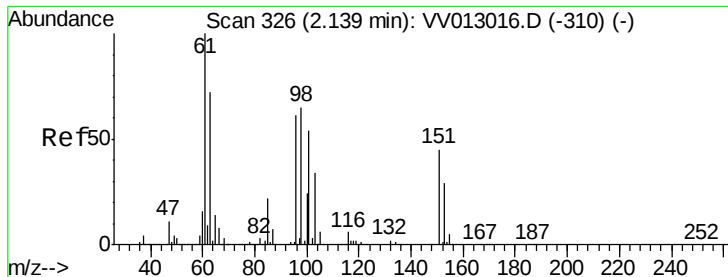
200000

100000

0

Time-->





#10

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

Concen: 26.704 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013023.D

Acq: 02 Oct 2019 09:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD02578

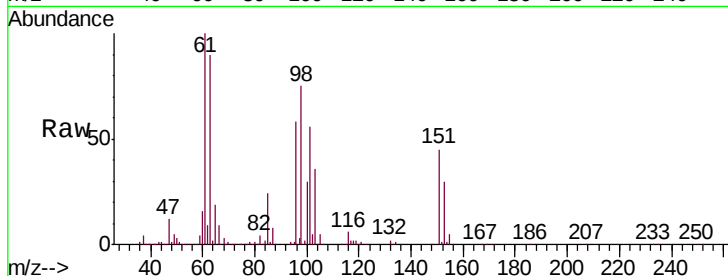
Tgt Ion:101 Resp: 250473

Ion Ratio Lower Upper

101 100

85 42.4 33.6 50.4

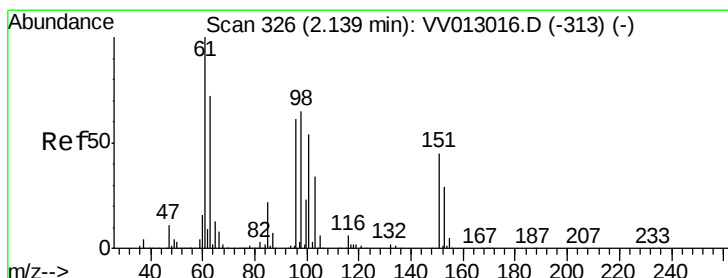
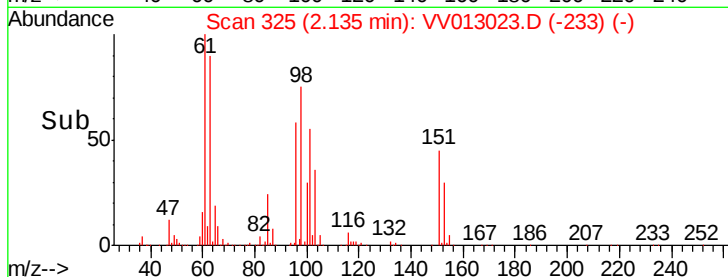
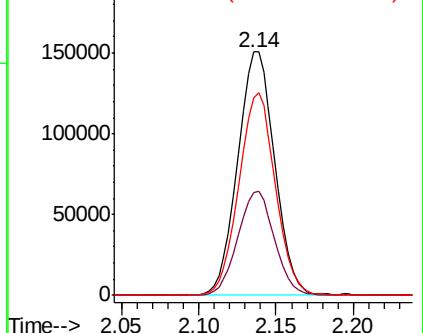
151 82.1 66.9 100.3



Abundance Ion 101.00 (100.70 to 101.70): VV013023.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV013023.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV013023.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 26.922 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013023.D

Acq: 02 Oct 2019 09:21

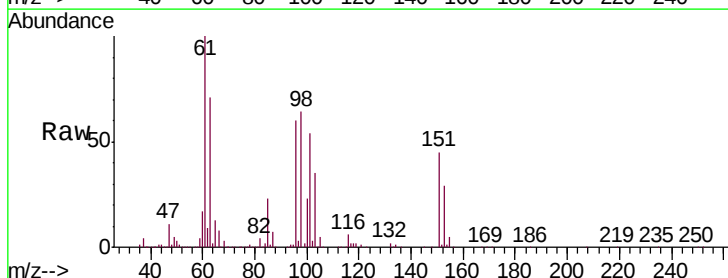
Tgt Ion: 96 Resp: 237179

Ion Ratio Lower Upper

96 100

61 165.7 117.7 218.7

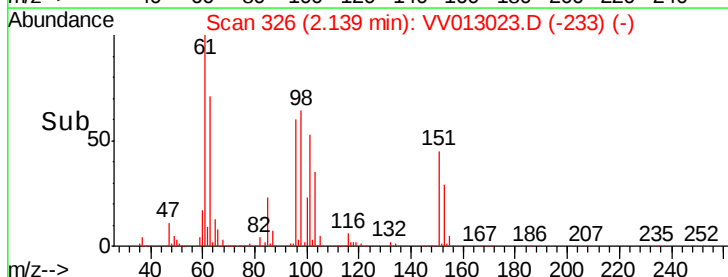
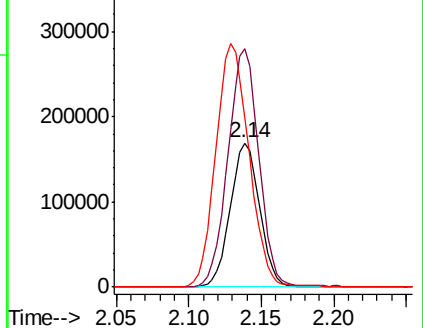
63 117.9 90.4 168.0

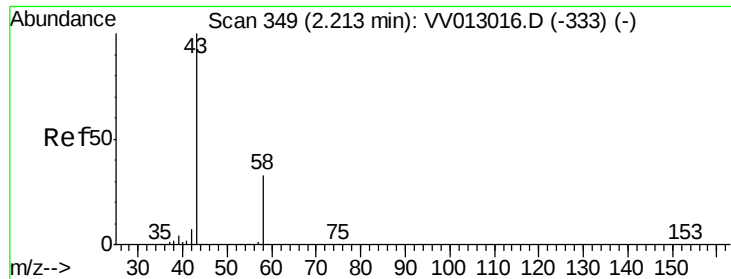


Abundance Ion 96.00 (95.70 to 96.70): VV013023.D (-233) (-)

Ion 61.00 (60.70 to 61.70): VV013023.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV013023.D (-233) (-)





#13

Acetone

Concen: 50.983 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.01 min

Lab File: VV013023.D

Acq: 02 Oct 2019 09:21

Instrument :

MSVOA_V

ClientSampleId :

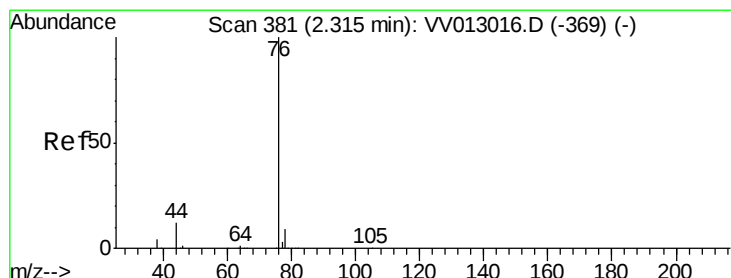
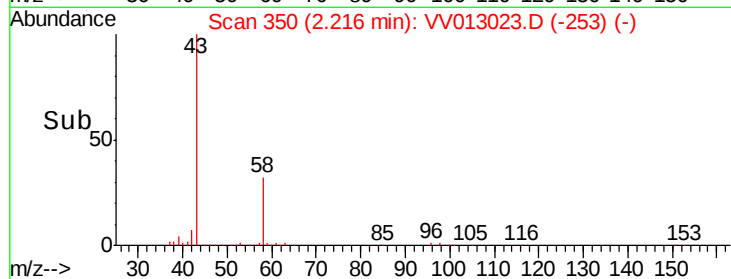
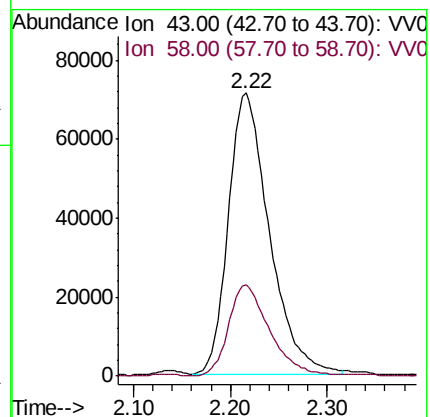
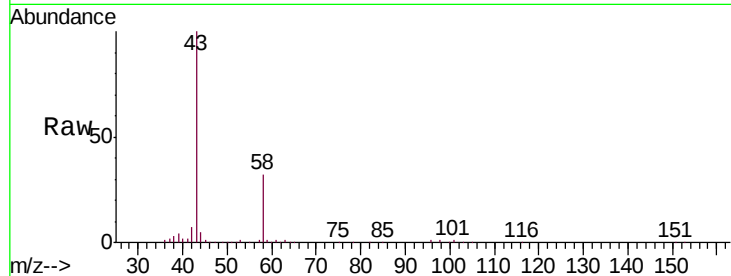
VSTD02578

Tgt Ion: 43 Resp: 208655

Ion Ratio Lower Upper

43 100

58 33.0 0.0 65.2



#14

Carbon disulfide

Concen: 27.568 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013023.D

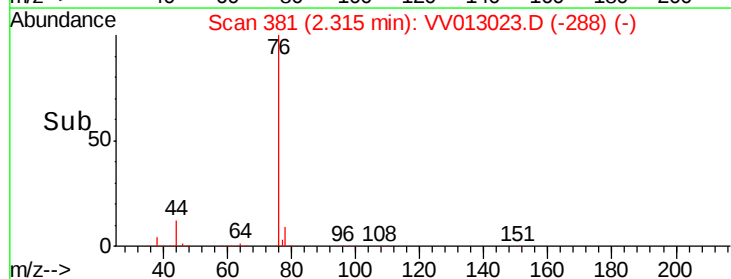
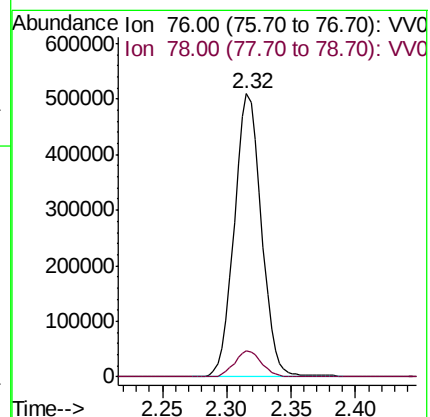
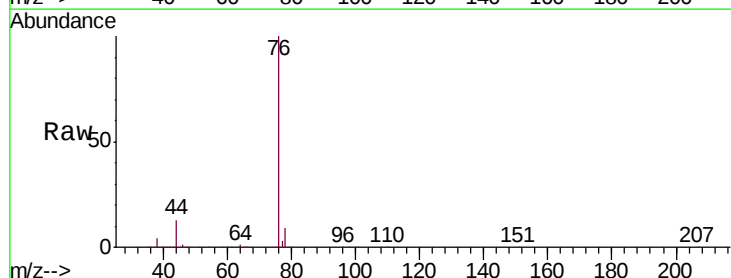
Acq: 02 Oct 2019 09:21

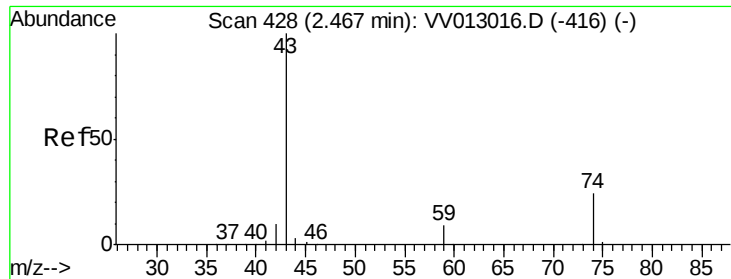
Tgt Ion: 76 Resp: 745388

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

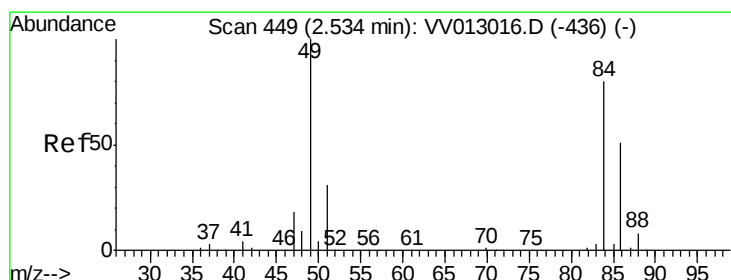
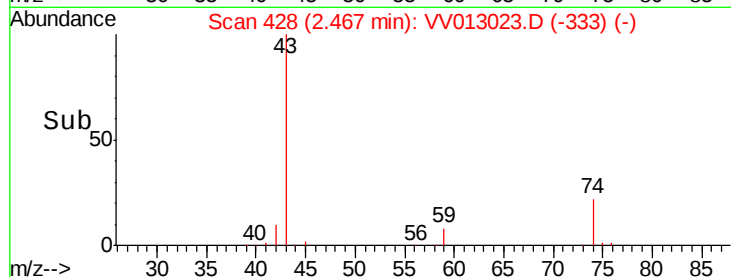
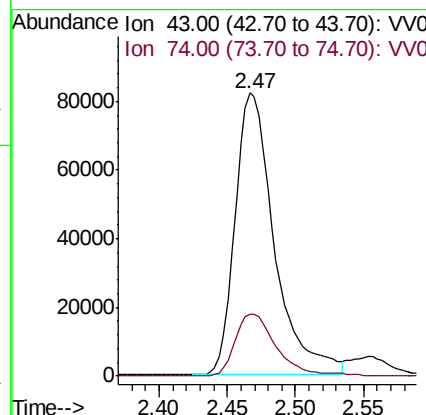
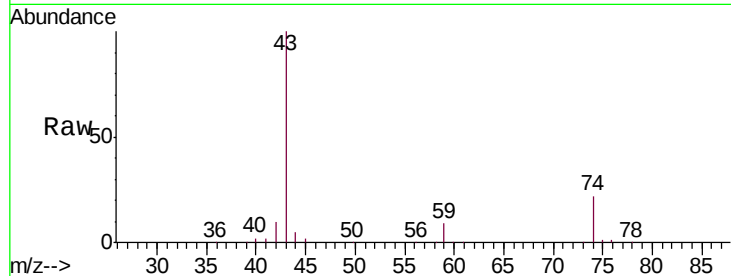




#15
Methyl Acetate
Concen: 26.131 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VV013023.D
Acq: 02 Oct 2019 09:21

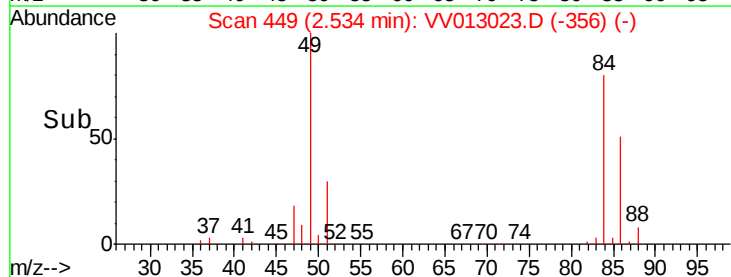
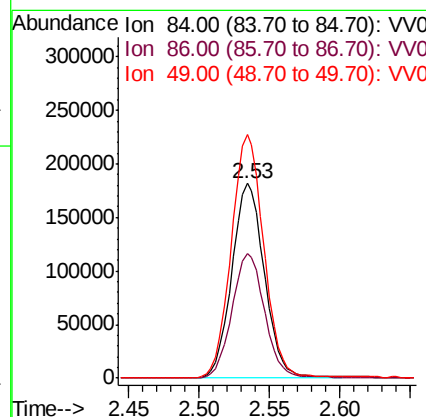
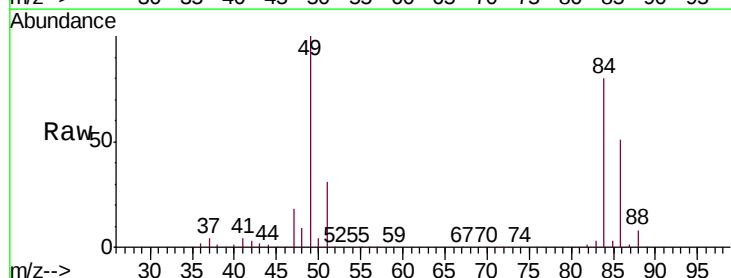
Instrument :
MSVOA_V
ClientSampleId :
VSTD02578

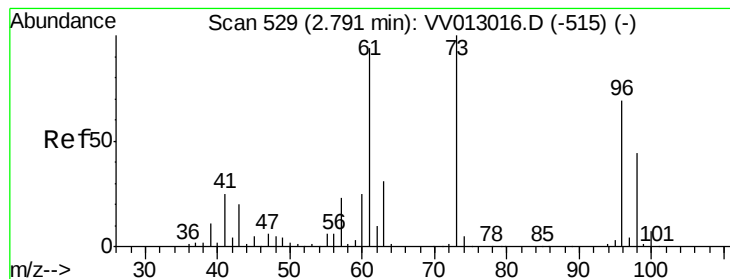
Tgt Ion: 43 Resp: 165030
Ion Ratio Lower Upper
43 100
74 22.7 18.5 27.7



#16
Methylene chloride
Concen: 23.409 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013023.D
Acq: 02 Oct 2019 09:21

Tgt Ion: 84 Resp: 294714
Ion Ratio Lower Upper
84 100
86 64.0 44.5 82.7
49 125.2 87.5 162.5





#17

trans-1,2-Dichloroethene

Concen: 26.334 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV013023.D

Acq: 02 Oct 2019 09:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD02578

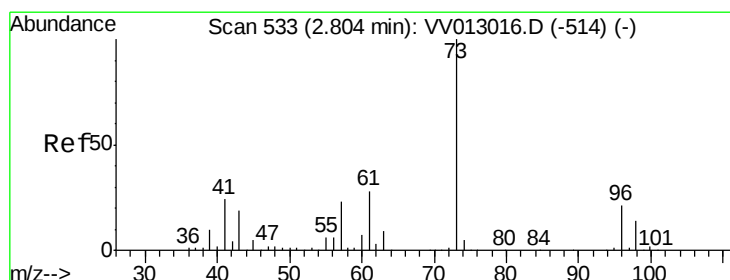
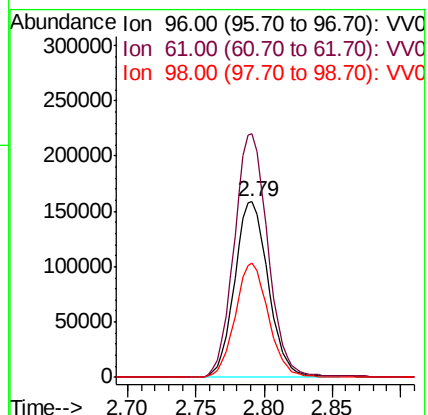
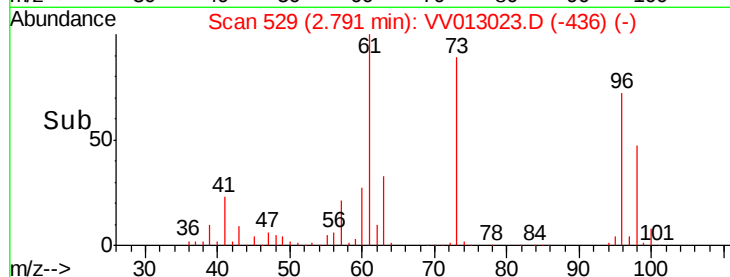
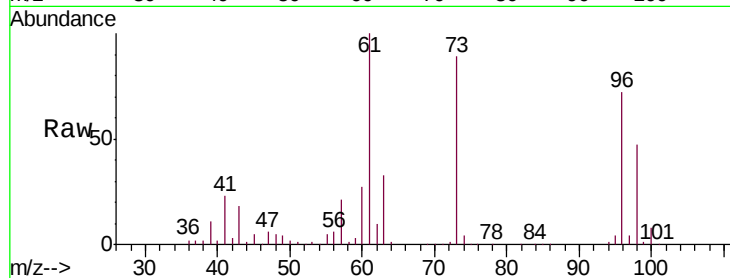
Tgt Ion: 96 Resp: 273483

Ion Ratio Lower Upper

96 100

61 138.9 95.8 177.8

98 65.3 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 24.575 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV013023.D

Acq: 02 Oct 2019 09:21

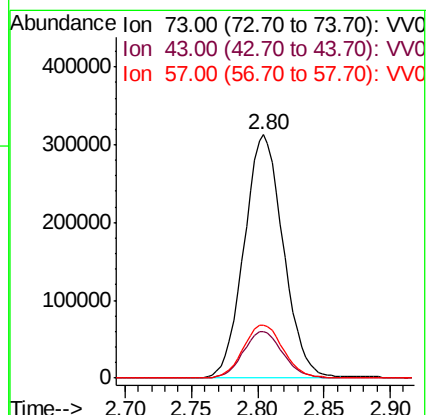
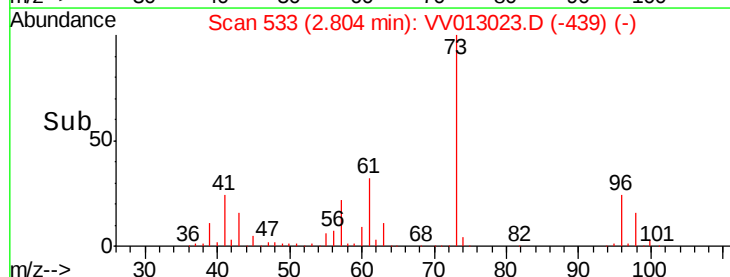
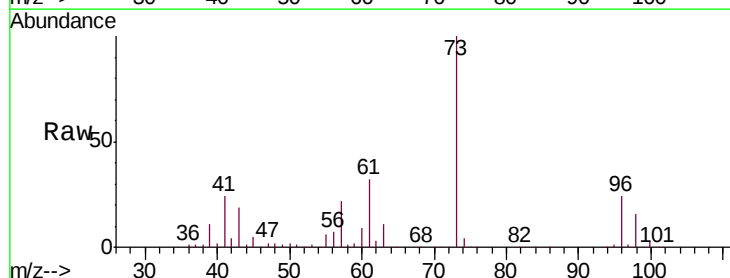
Tgt Ion: 73 Resp: 641982

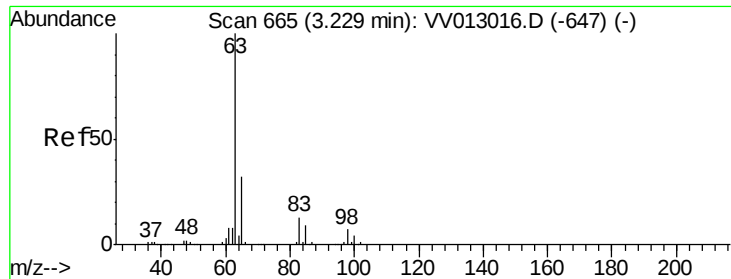
Ion Ratio Lower Upper

73 100

43 19.1 15.1 22.7

57 22.5 18.1 27.1

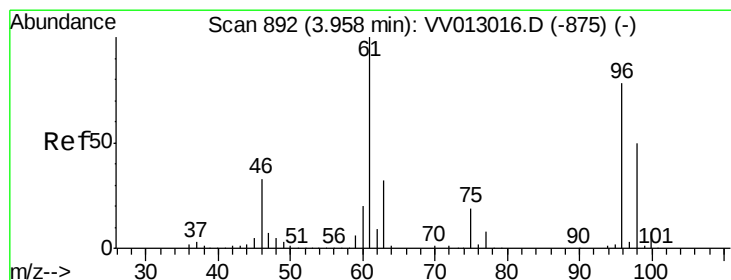
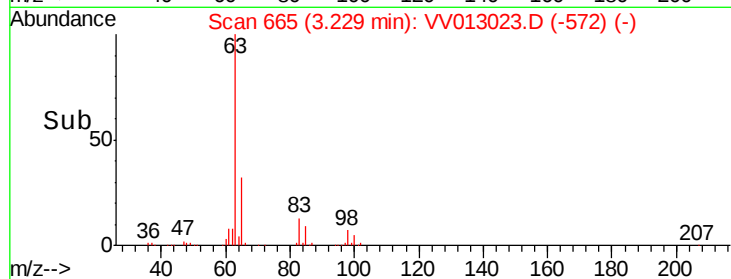
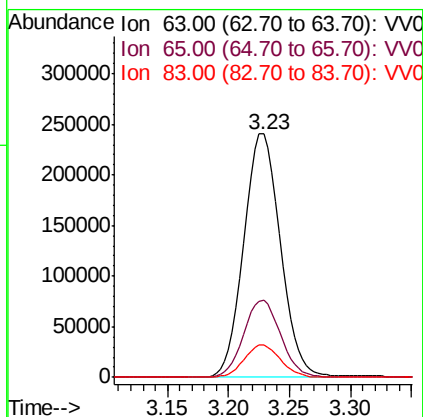
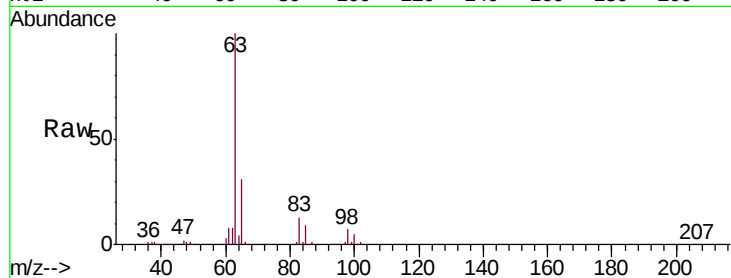




#19
 1,1-Dichloroethane
 Concen: 26.264 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013023.D
 Acq: 02 Oct 2019 09:21

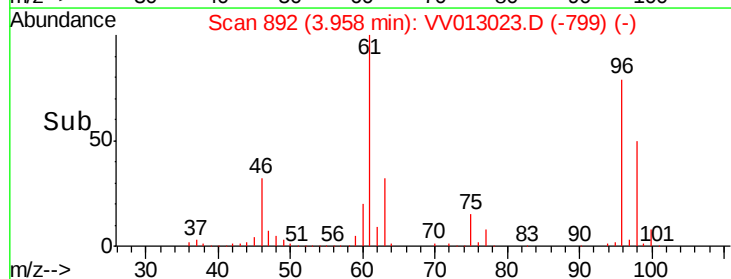
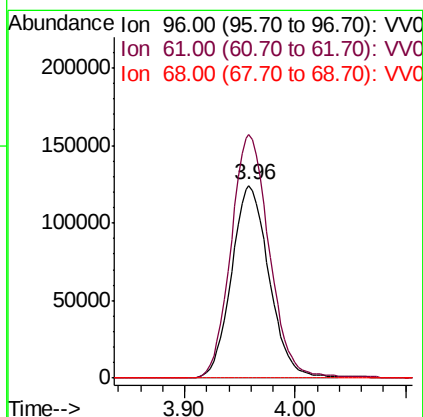
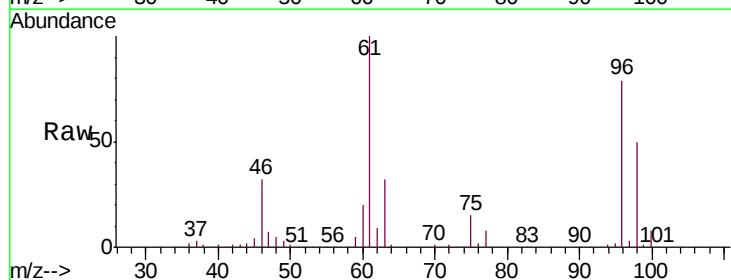
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02578

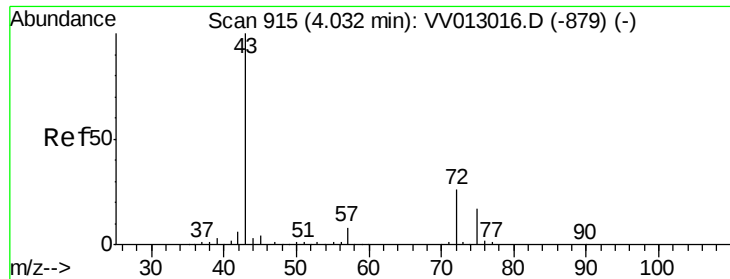
Tgt Ion: 63 Resp: 500579
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.4 41.6
 83 13.1 9.0 16.6



#20
 cis-1,2-Dichloroethene
 Concen: 25.353 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013023.D
 Acq: 02 Oct 2019 09:21

Tgt Ion: 96 Resp: 292843
 Ion Ratio Lower Upper
 96 100
 61 126.4 89.5 166.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 53.744 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.01 min

Lab File: VV013023.D

Acq: 02 Oct 2019 09:21

Instrument :

MSVOA_V

ClientSampleId :

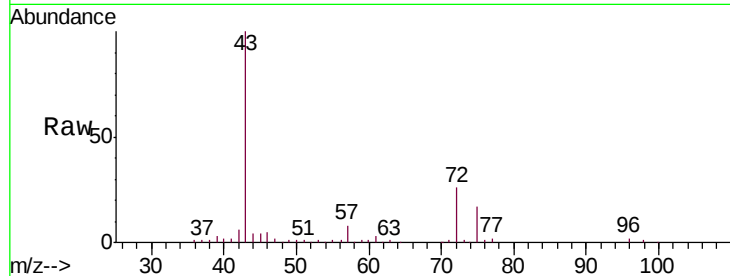
VSTD02578

Tgt Ion: 43 Resp: 241090

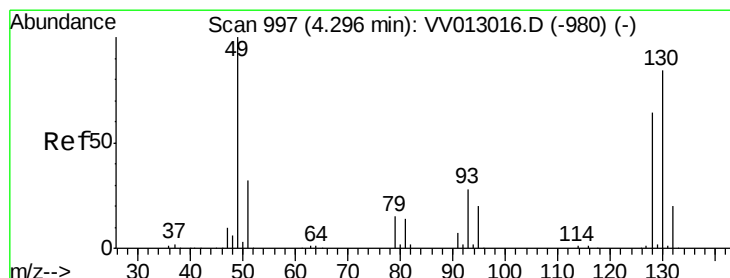
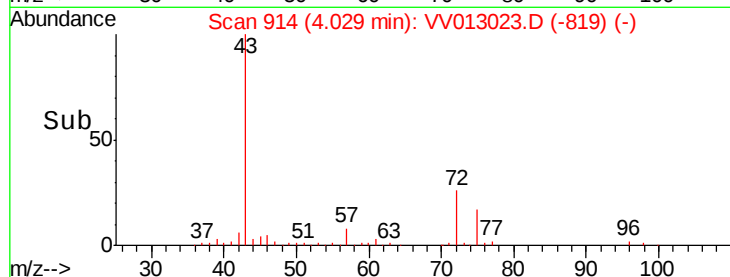
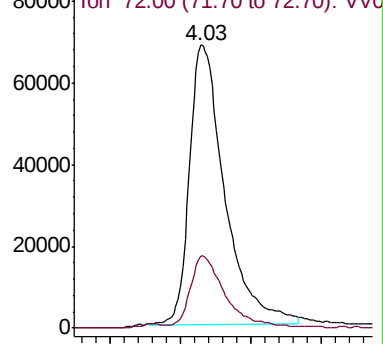
Ion Ratio Lower Upper

43 100

72 24.1 12.0 36.1



Abundance Ion 43.00 (42.70 to 43.70): VV013023.D (-819) (-)



#23

Bromochloromethane

Concen: 24.868 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV013023.D

Acq: 02 Oct 2019 09:21

Tgt Ion: 128 Resp: 140822

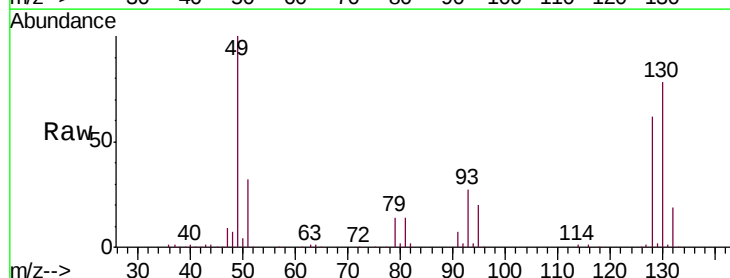
Ion Ratio Lower Upper

128 100

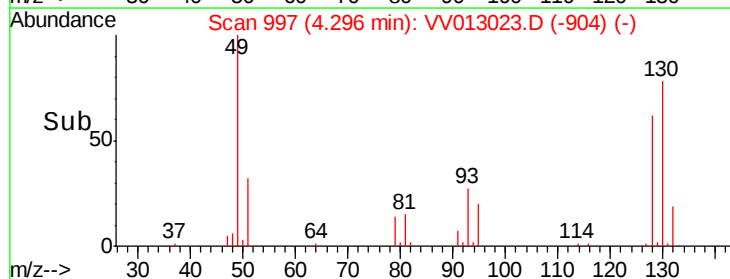
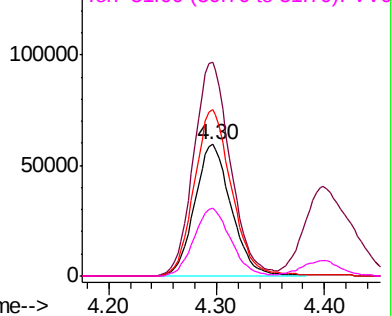
49 162.4 113.6 211.0

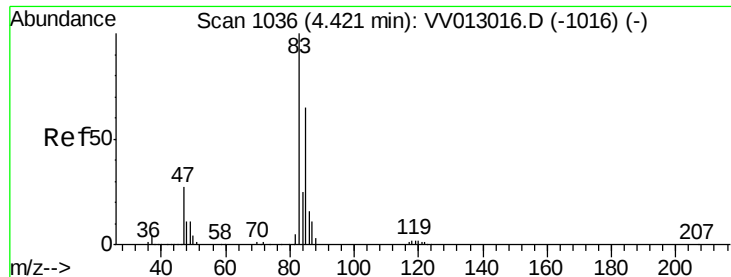
130 126.1 88.0 163.4

51 51.4 40.2 60.2



Abundance Ion 128.00 (127.70 to 128.70): VV013023.D (-904) (-)





#25

Chloroform

Concen: 25.725 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013023.D

Acq: 02 Oct 2019 09:21

Instrument :

MSVOA_V

ClientSampleId :

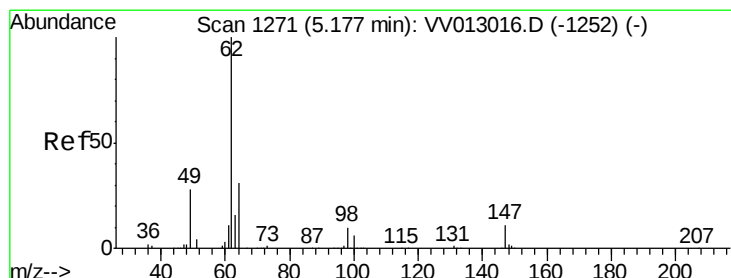
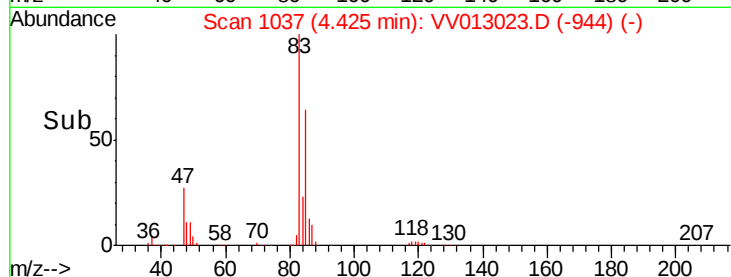
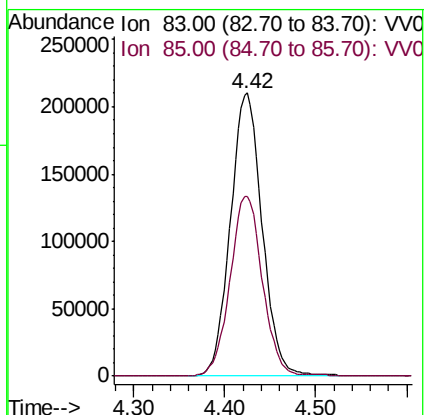
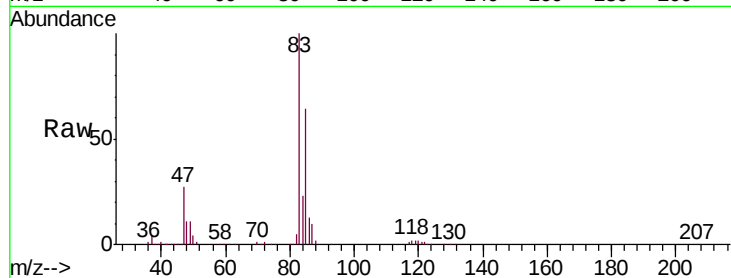
VSTD02578

Tgt Ion: 83 Resp: 511189

Ion Ratio Lower Upper

83 100

85 63.7 44.7 82.9



#27

1,2-Dichloroethane

Concen: 25.268 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV013023.D

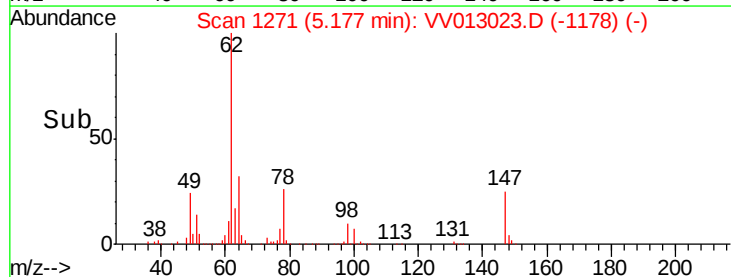
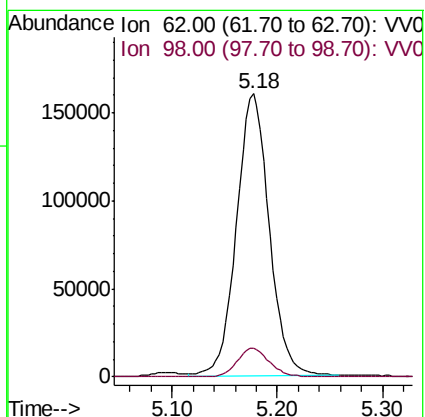
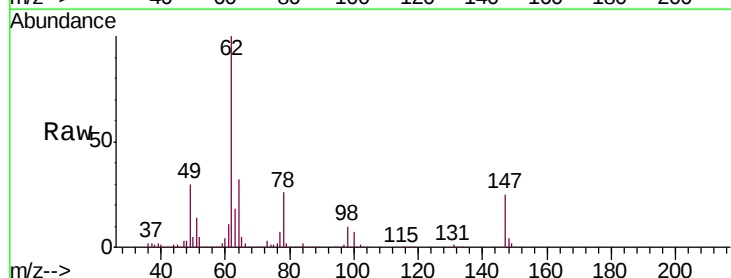
Acq: 02 Oct 2019 09:21

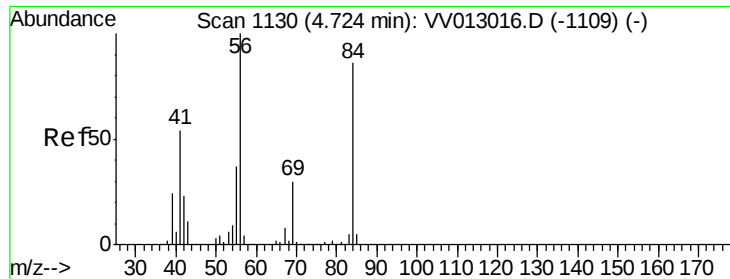
Tgt Ion: 62 Resp: 345163

Ion Ratio Lower Upper

62 100

98 10.3 8.5 12.7

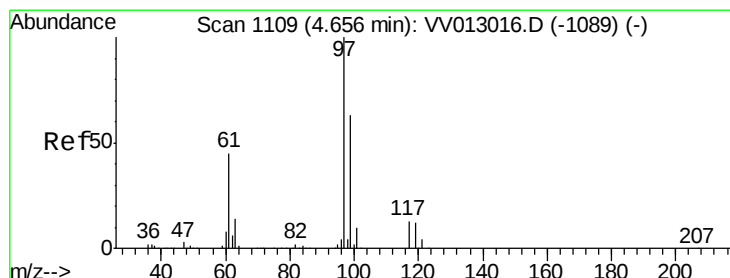
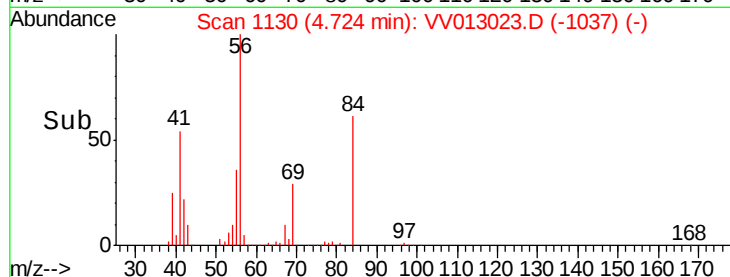
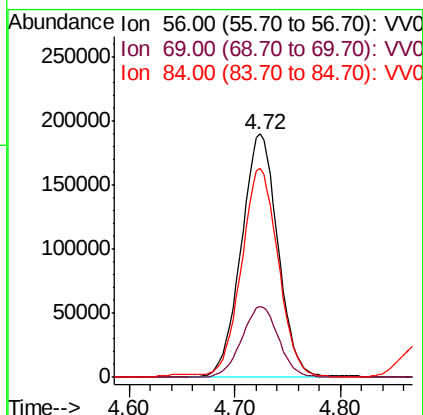
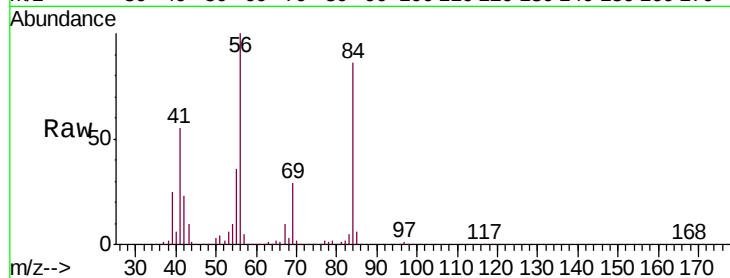




#29
Cyclohexane
Concen: 28.221 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013023.D
Acq: 02 Oct 2019 09:21

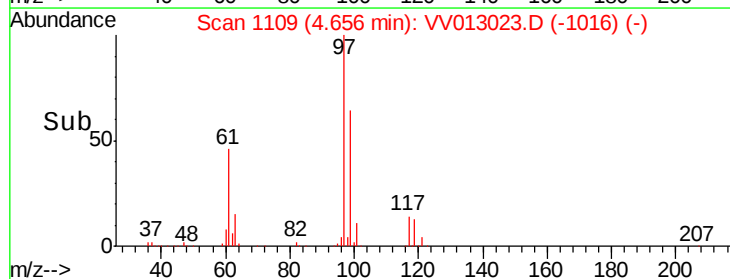
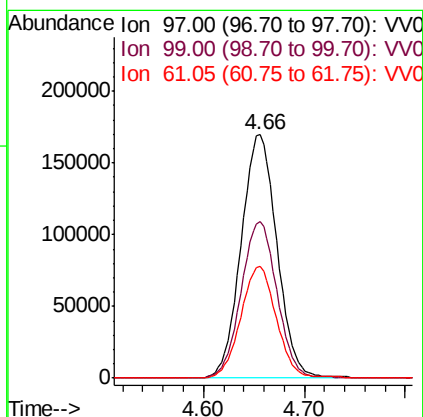
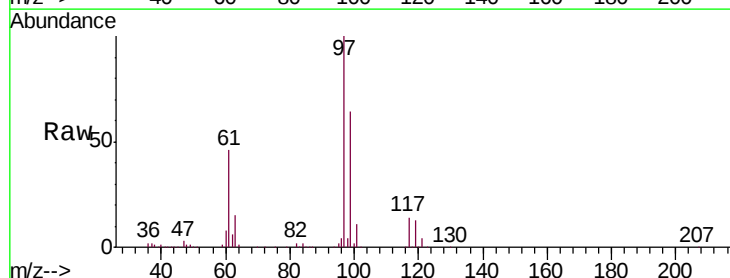
Instrument :
MSVOA_V
ClientSampleId :
VSTD02578

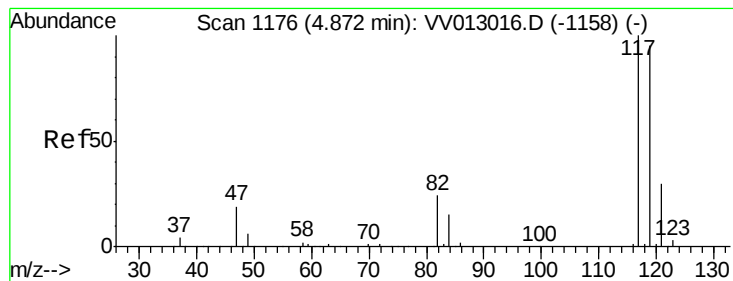
Tgt Ion: 56 Resp: 459248
Ion Ratio Lower Upper
56 100
69 29.2 24.2 36.4
84 85.8 69.6 104.4



#30
1,1,1-Trichloroethane
Concen: 27.659 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV013023.D
Acq: 02 Oct 2019 09:21

Tgt Ion: 97 Resp: 417615
Ion Ratio Lower Upper
97 100
99 64.2 51.7 77.5
61 45.5 36.1 54.1





#31

Carbon tetrachloride

Concen: 27.636 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV013023.D

Acq: 02 Oct 2019 09:21

Instrument :

MSVOA_V

ClientSampleId :

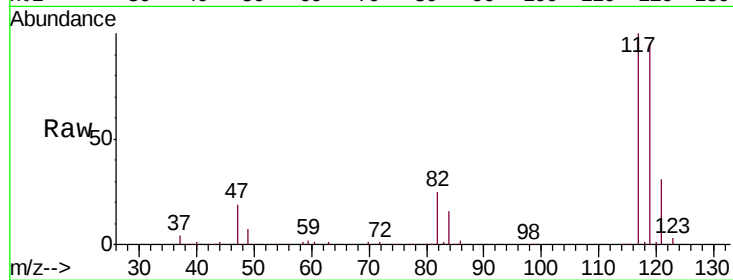
VSTD02578

Tgt Ion:117 Resp: 375614

Ion Ratio Lower Upper

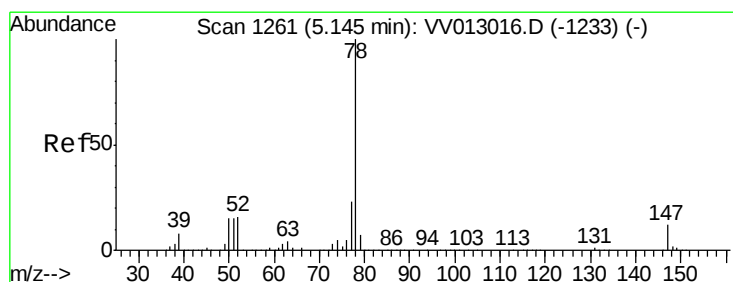
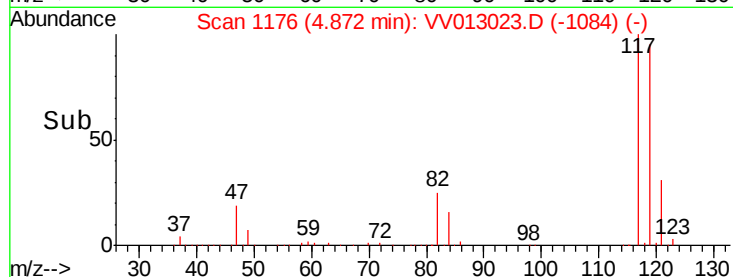
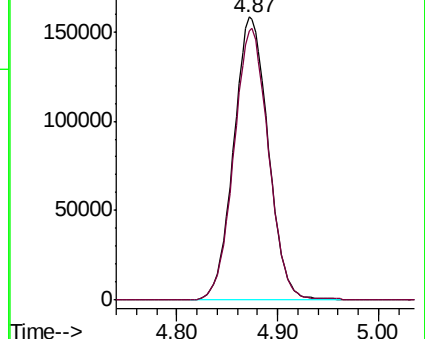
117 100

119 96.4 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 26.936 ug/L

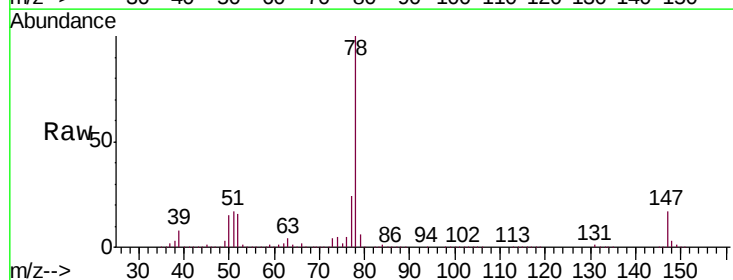
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

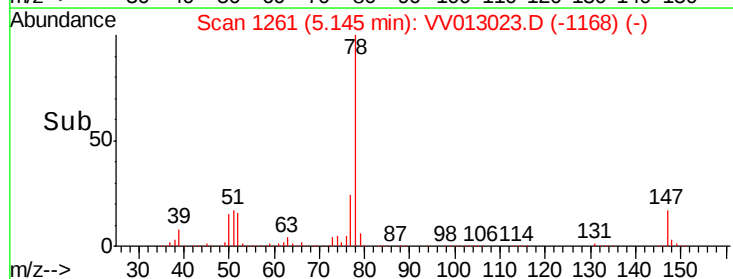
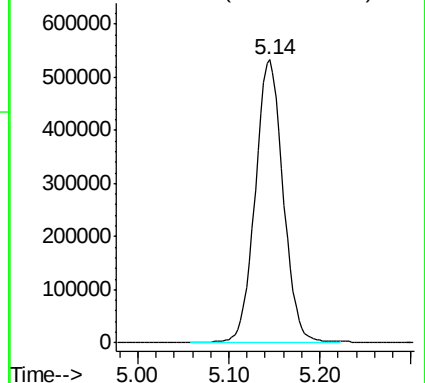
Lab File: VV013023.D

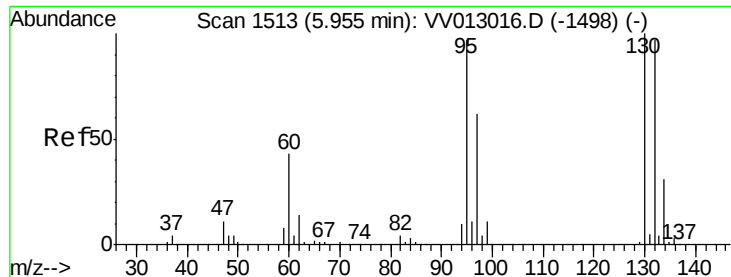
Acq: 02 Oct 2019 09:21

Tgt Ion: 78 Resp: 1138359



Abundance Ion 78.00 (77.70 to 78.70): VV0

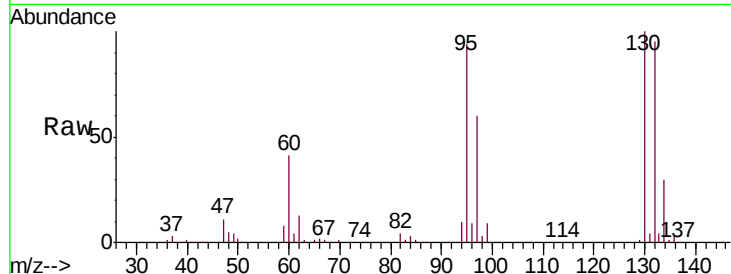




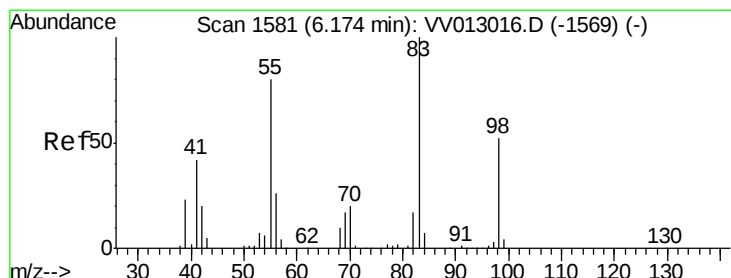
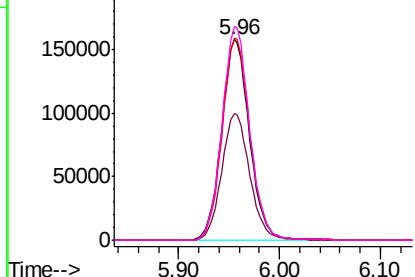
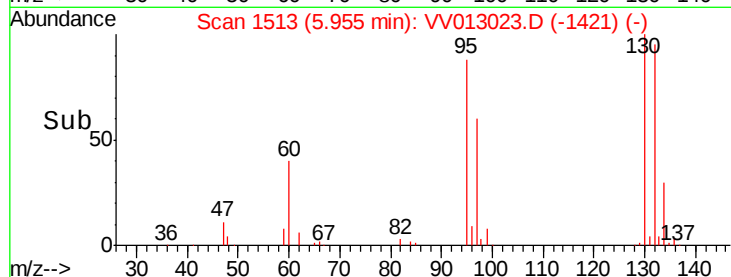
#34
 Trichloroethene
 Concen: 26.706 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV013023.D
 Acq: 02 Oct 2019 09:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02578

Tgt Ion: 95 Resp: 305753
 Ion Ratio Lower Upper
 95 100
 97 63.3 45.4 84.2
 132 100.7 70.1 130.3
 130 106.3 72.4 134.4

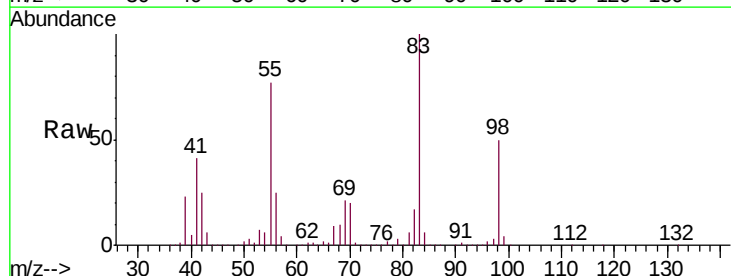


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

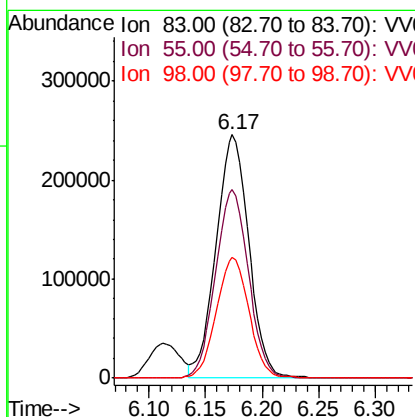
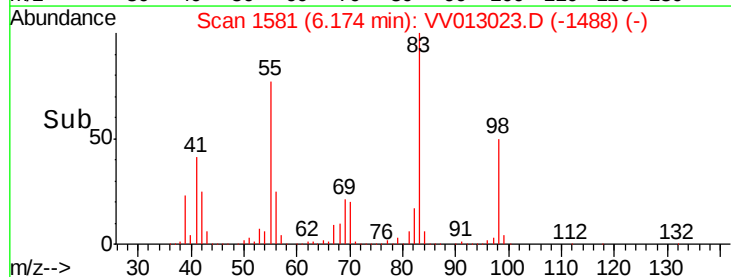


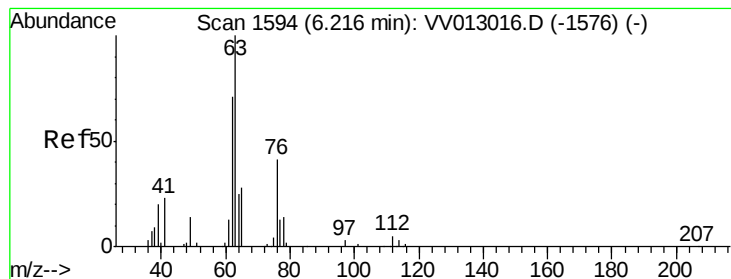
#35
 Methylcyclohexane
 Concen: 27.680 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV013023.D
 Acq: 02 Oct 2019 09:21

Tgt Ion: 83 Resp: 497406
 Ion Ratio Lower Upper
 83 100
 55 77.6 61.9 92.9
 98 49.0 40.0 60.0



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





#37

1,2-Dichloropropane

Concen: 26.885 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VV013023.D

Acq: 02 Oct 2019 09:21

Instrument :

MSVOA_V

ClientSampleId :

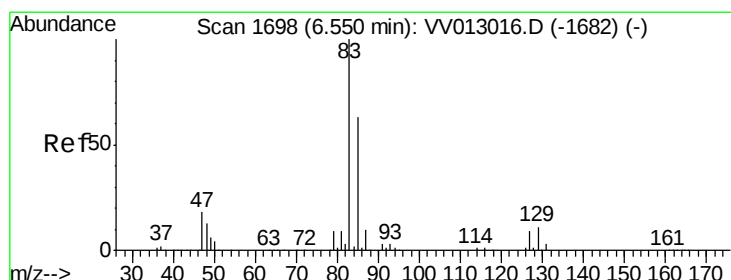
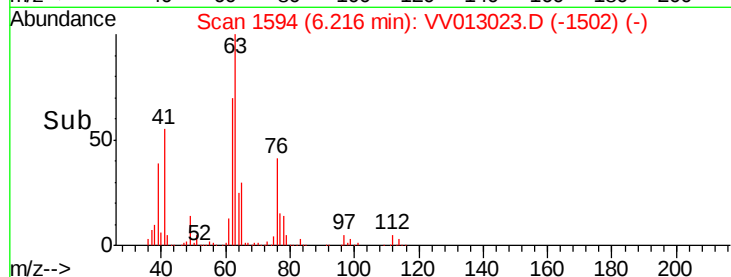
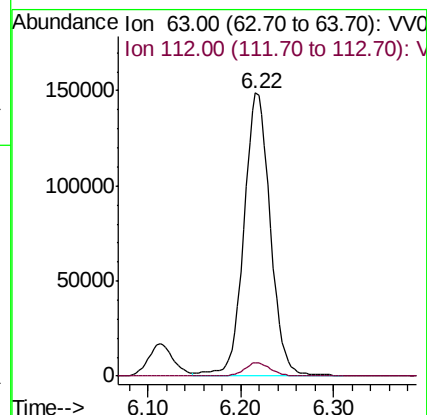
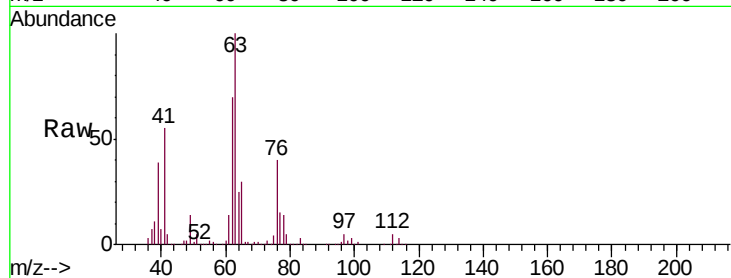
VSTD02578

Tgt Ion: 63 Resp: 291539

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.8



#38

Bromodichloromethane

Concen: 25.978 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV013023.D

Acq: 02 Oct 2019 09:21

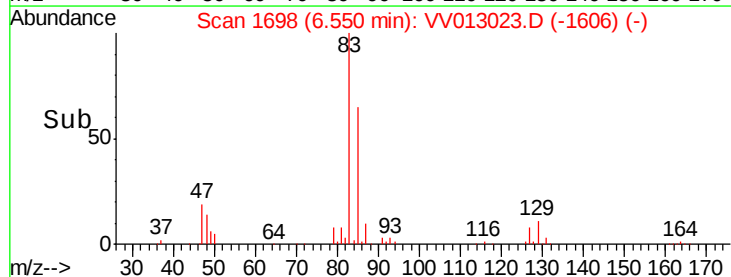
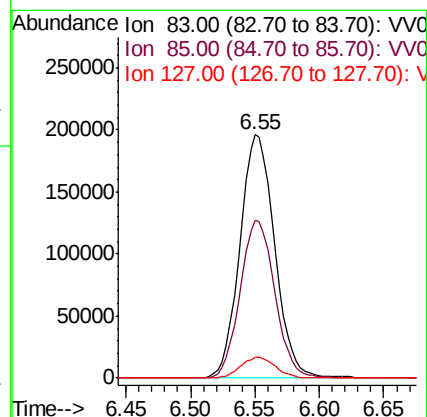
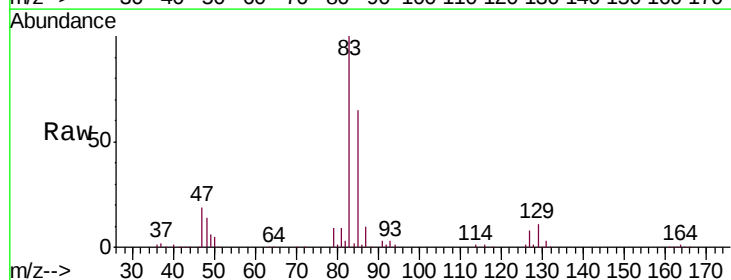
Tgt Ion: 83 Resp: 367726

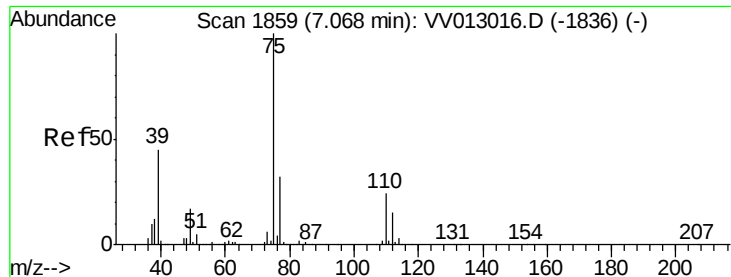
Ion Ratio Lower Upper

83 100

85 64.8 43.9 81.5

127 8.3 7.0 10.6

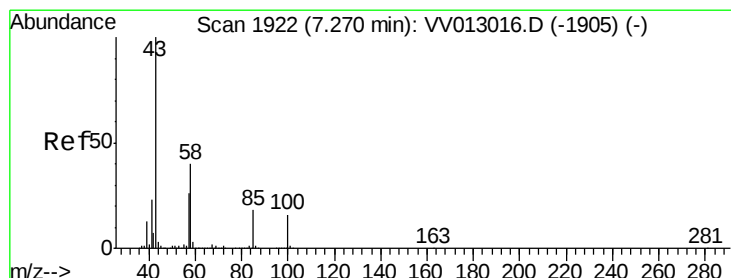
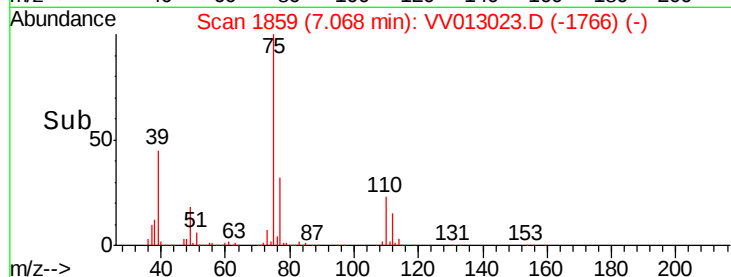
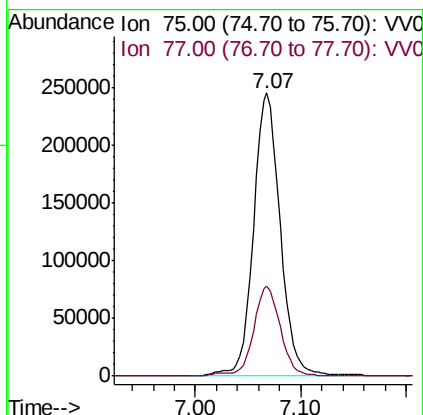
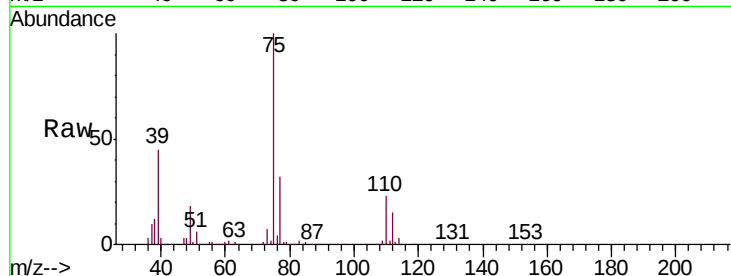




#39
 cis-1,3-Dichloropropene
 Concen: 26.597 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV013023.D
 Acq: 02 Oct 2019 09:21

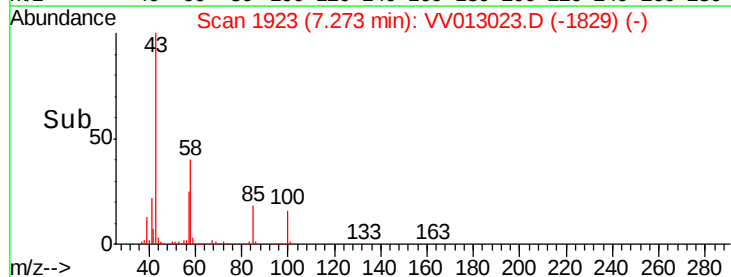
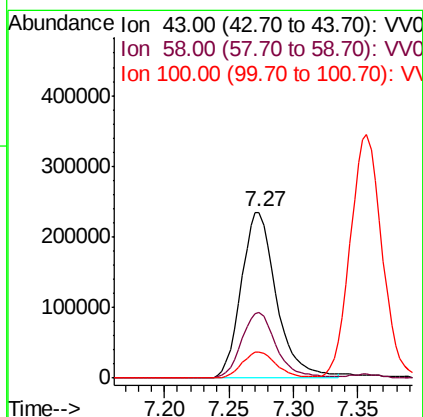
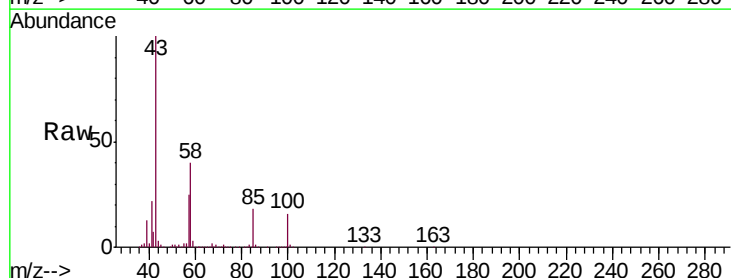
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02578

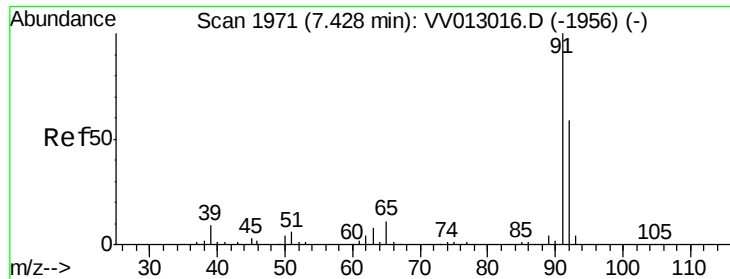
Tgt Ion: 75 Resp: 434275
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 51.540 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV013023.D
 Acq: 02 Oct 2019 09:21

Tgt Ion: 43 Resp: 446678
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.8 47.8
 100 15.4 12.8 19.2





#42

Toluene

Concen: 27.525 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013023.D

Acq: 02 Oct 2019 09:21

Instrument :

MSVOA_V

ClientSampleId :

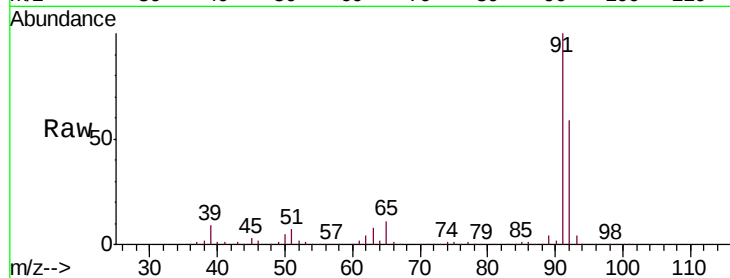
VSTD02578

Tgt Ion: 91 Resp: 1237211

Ion Ratio Lower Upper

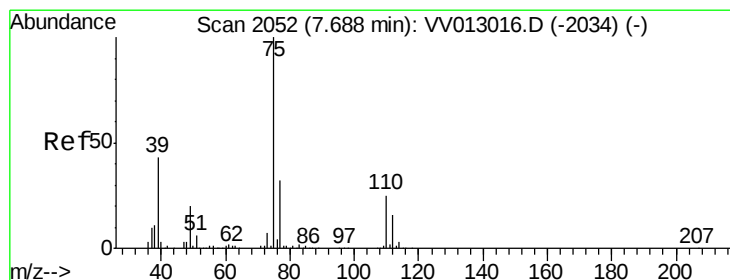
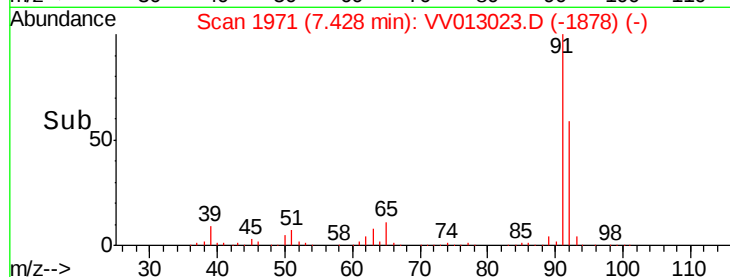
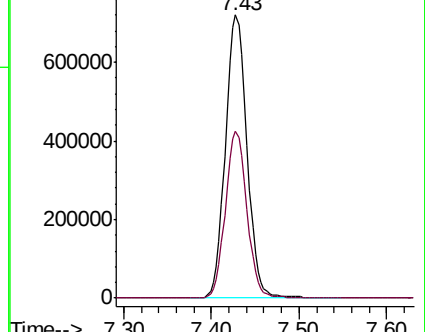
91 100

92 58.8 41.1 76.3



Abundance Ion 91.00 (90.70 to 91.70): VV013016.D (-1956) (-)

Ion 92.00 (91.70 to 92.70): VV013016.D (-1956) (-)



#44

trans-1,3-Dichloropropene

Concen: 26.550 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013023.D

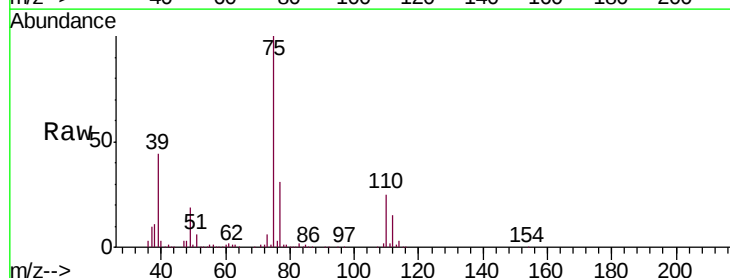
Acq: 02 Oct 2019 09:21

Tgt Ion: 75 Resp: 355943

Ion Ratio Lower Upper

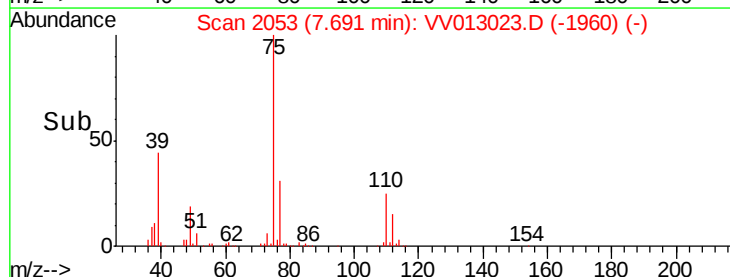
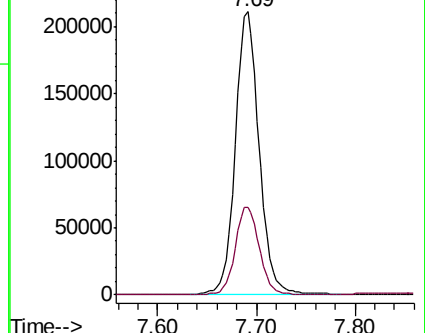
75 100

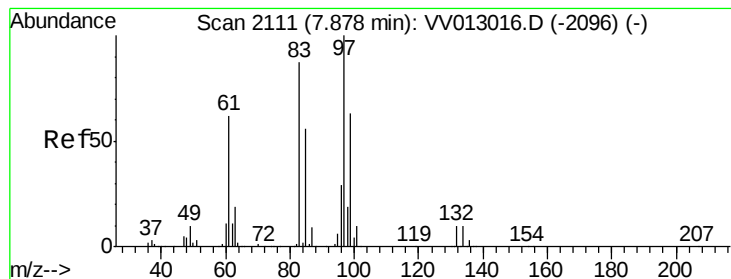
77 31.1 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VV013016.D (-2034) (-)

Ion 77.00 (76.70 to 77.70): VV013016.D (-2034) (-)





#45

1,1,2-Trichloroethane

Concen: 25.264 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VV013023.D

Acq: 02 Oct 2019 09:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD02578

Tgt Ion: 97 Resp: 232397

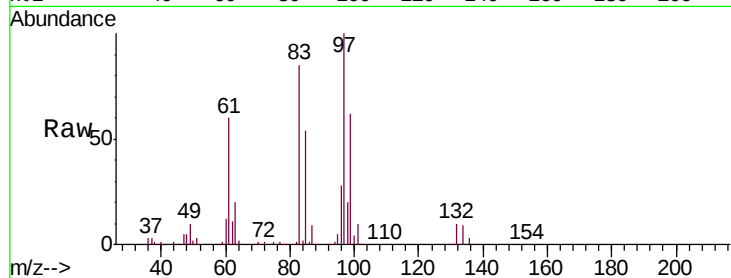
Ion Ratio Lower Upper

97 100

99 61.9 44.2 82.2

83 84.7 59.7 110.9

85 54.5 38.6 71.6

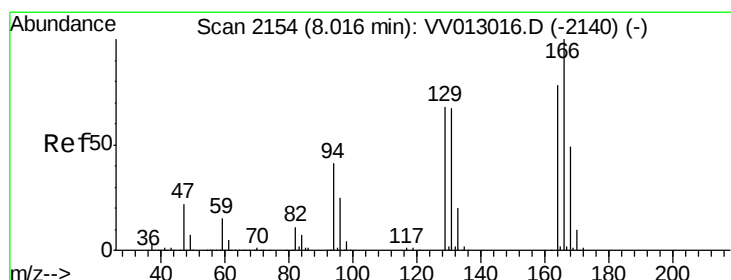
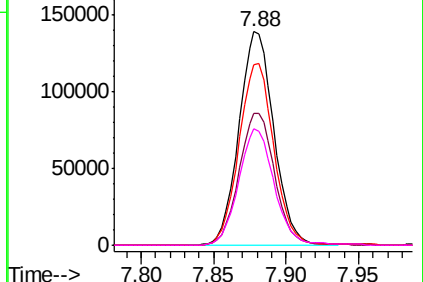
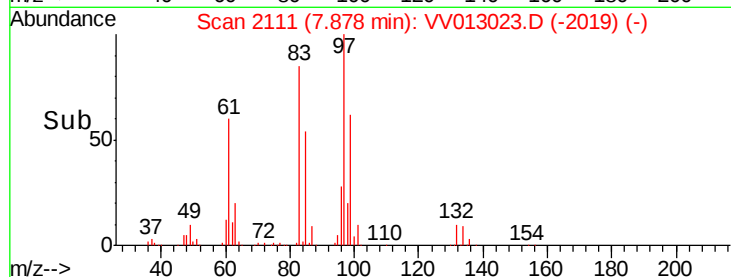


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 27.064 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013023.D

Acq: 02 Oct 2019 09:21

Tgt Ion: 164 Resp: 256370

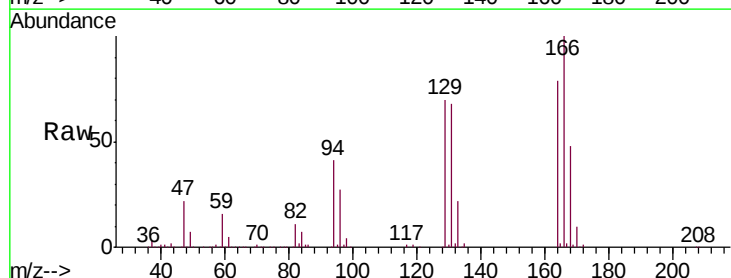
Ion Ratio Lower Upper

164 100

129 89.2 61.2 113.6

131 86.3 59.9 111.3

166 127.1 89.1 165.5

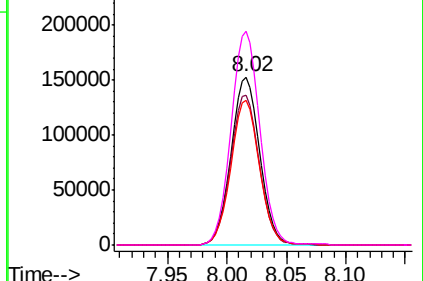
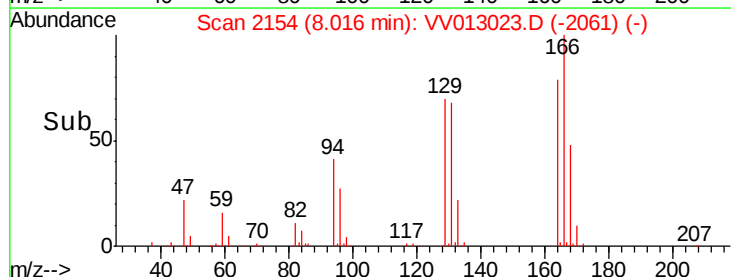


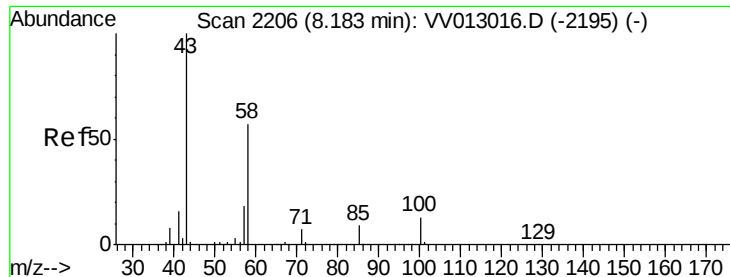
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

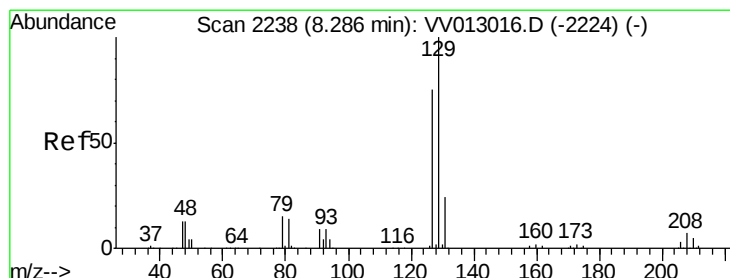
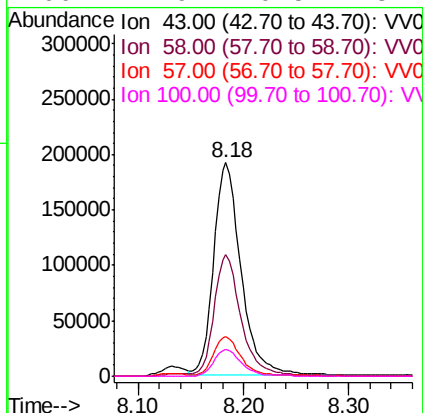
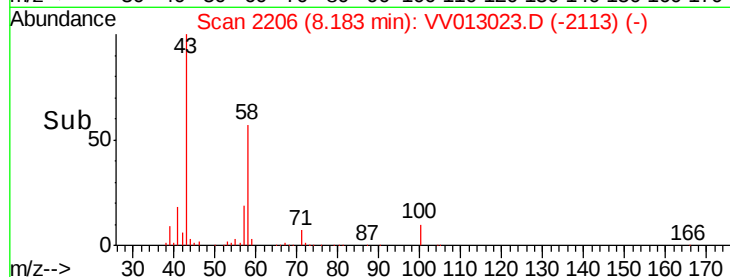
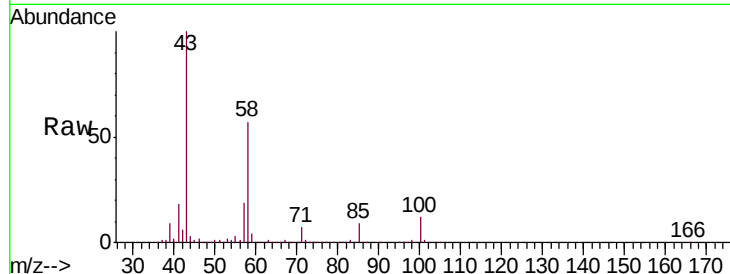




#48
2-Hexanone
Concen: 54.635 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013023.D
Acq: 02 Oct 2019 09:21

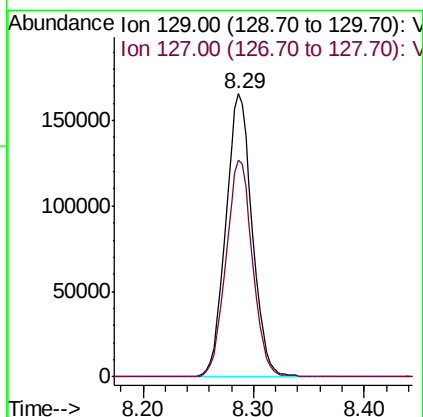
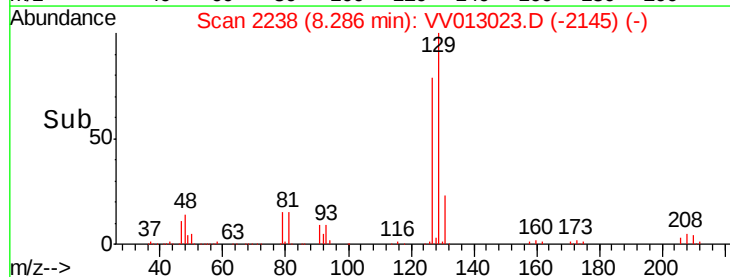
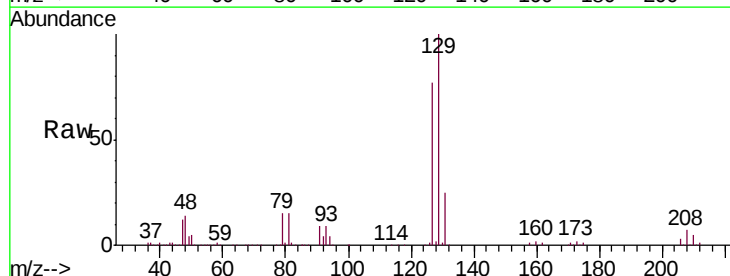
Instrument :
MSVOA_V
ClientSampleId :
VSTD02578

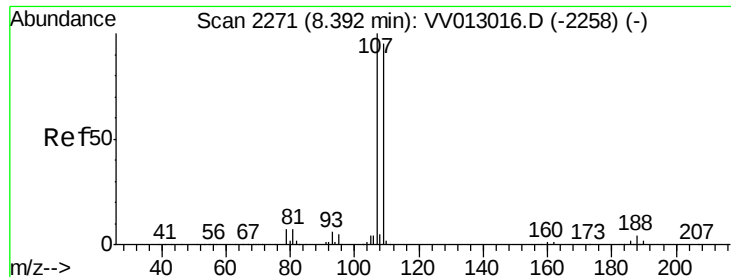
Tgt Ion: 43 Resp: 344750
Ion Ratio Lower Upper
43 100
58 55.6 44.9 67.3
57 18.6 15.2 22.8
100 12.9 10.5 15.7



#49
Dibromochloromethane
Concen: 26.166 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013023.D
Acq: 02 Oct 2019 09:21

Tgt Ion: 129 Resp: 274471
Ion Ratio Lower Upper
129 100
127 76.6 53.9 100.1

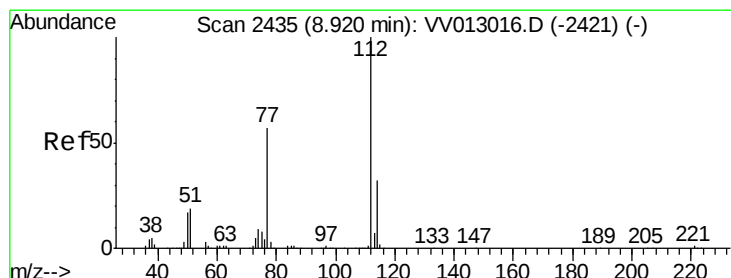
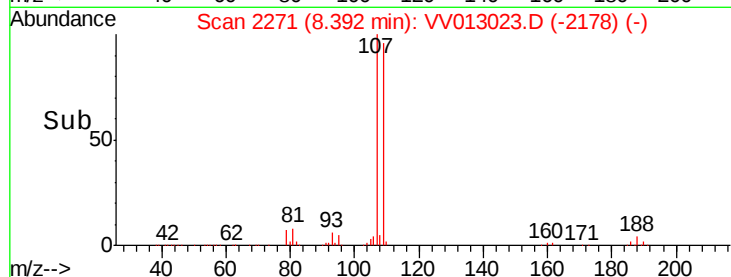
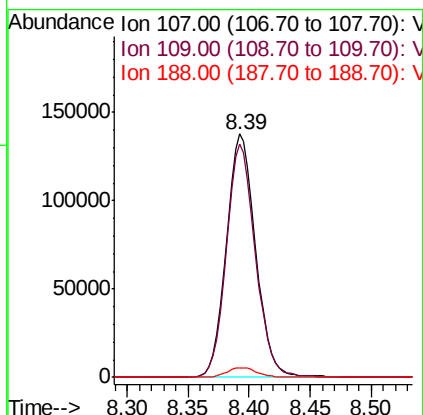
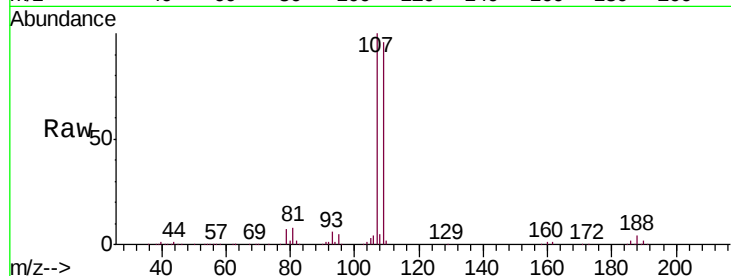




#50
1,2-Dibromoethane
Concen: 25.488 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV013023.D
Acq: 02 Oct 2019 09:21

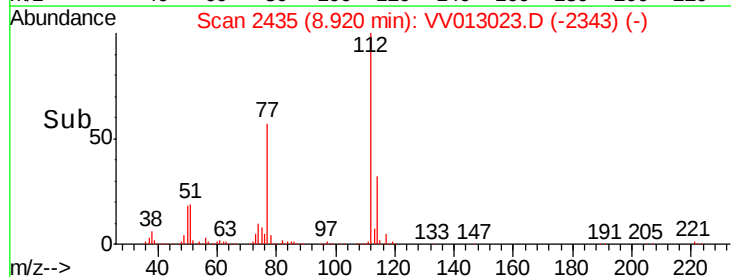
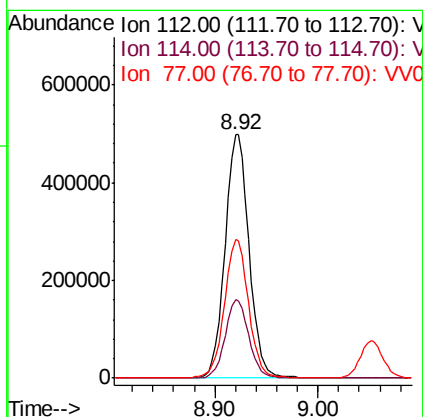
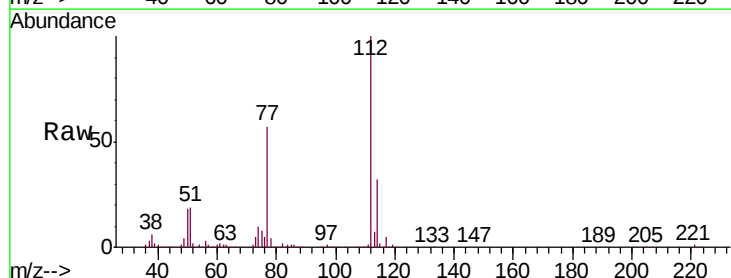
Instrument :
MSVOA_V
ClientSampleId :
VSTD02578

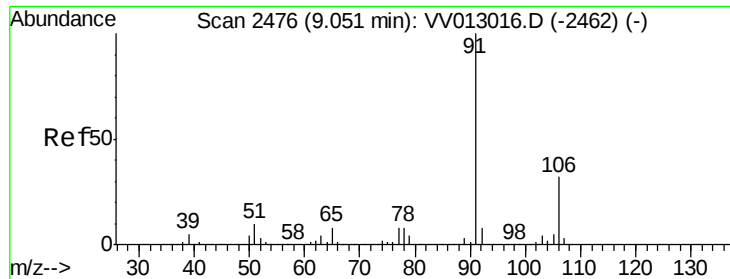
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.9	64.7	120.1
188	3.9	3.7	5.5



#51
Chlorobenzene
Concen: 26.509 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV013023.D
Acq: 02 Oct 2019 09:21

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.7	42.1
77	56.9	45.9	68.9

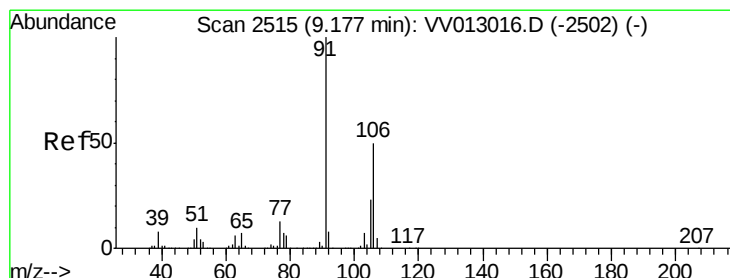
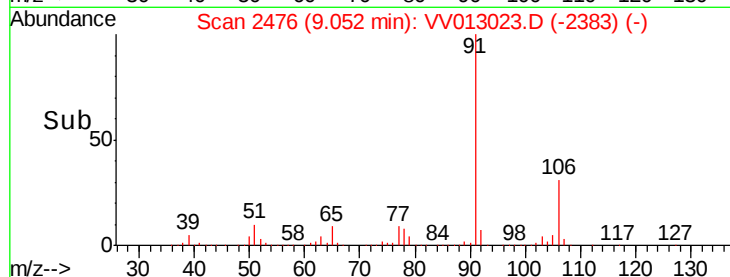
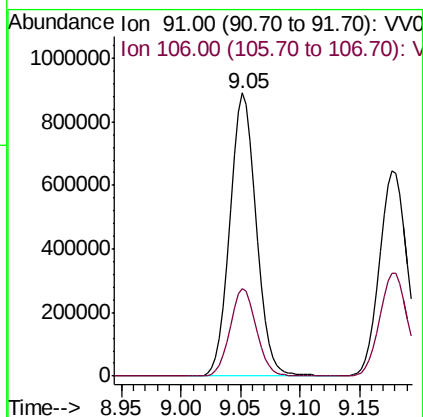
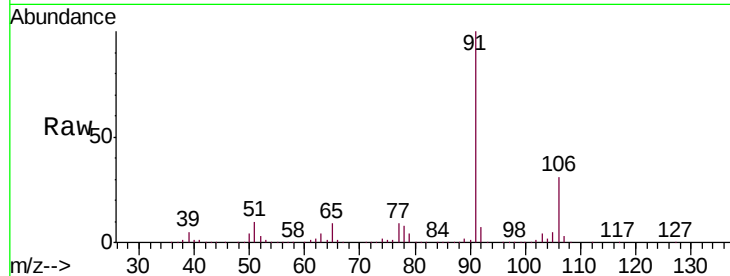




#52
Ethylbenzene
Concen: 27.731 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV013023.D
Acq: 02 Oct 2019 09:21

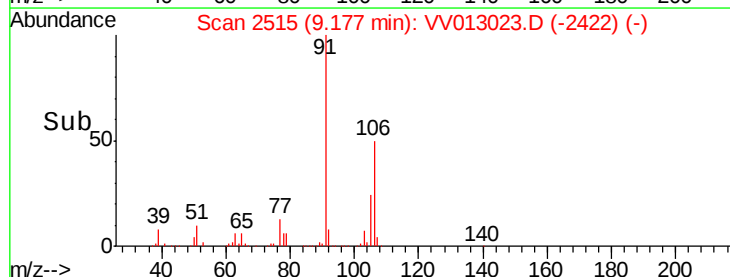
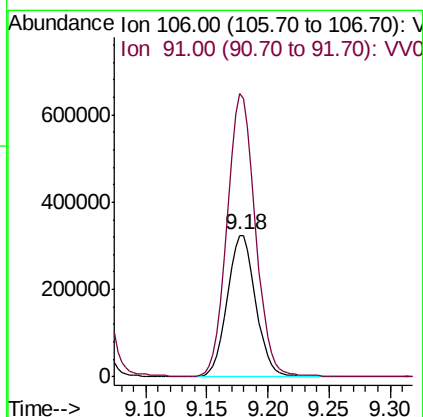
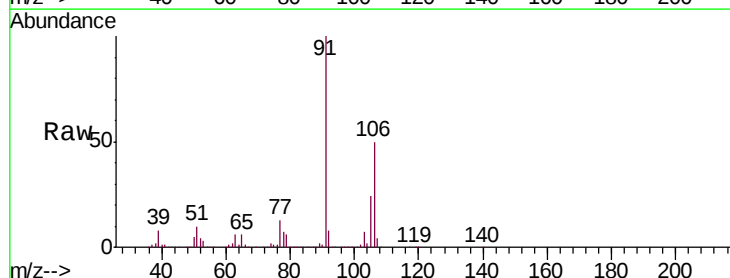
Instrument :
MSVOA_V
ClientSampleId :
VSTD02578

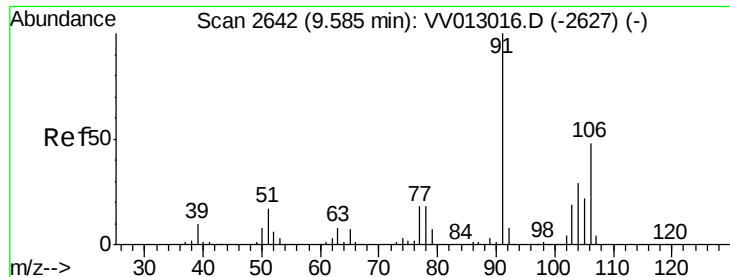
Tgt Ion: 91 Resp: 1369295
Ion Ratio Lower Upper
91 100
106 31.0 21.8 40.4



#53
m,p-Xylene
Concen: 28.022 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. 0.00 min
Lab File: VV013023.D
Acq: 02 Oct 2019 09:21

Tgt Ion: 106 Resp: 528904
Ion Ratio Lower Upper
106 100
91 200.0 138.0 256.2

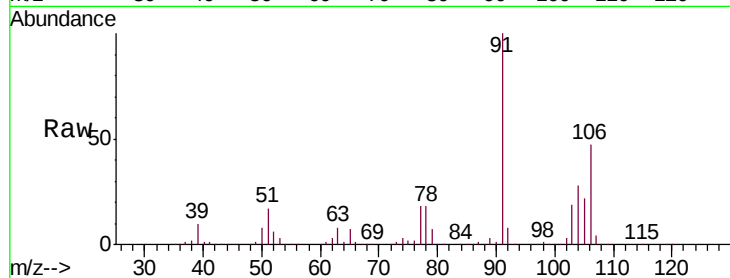




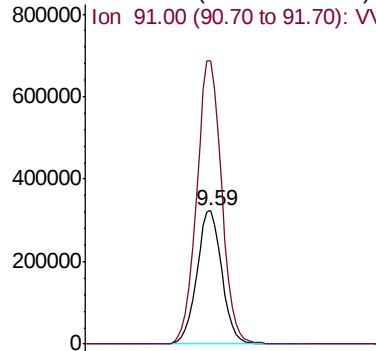
#54
o-Xylene
Concen: 27.477 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV013023.D
Acq: 02 Oct 2019 09:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD02578

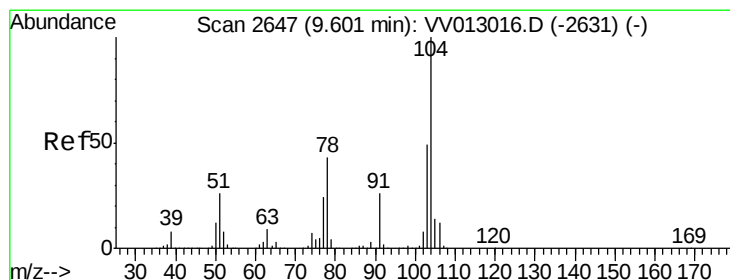
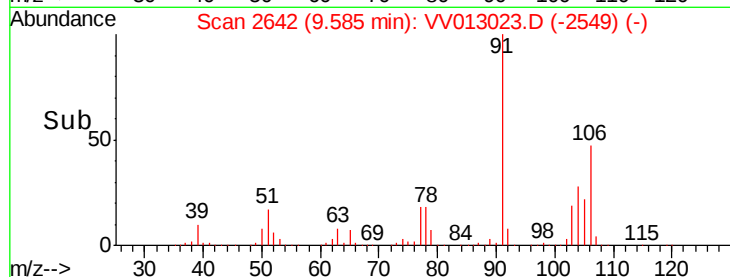
Tgt Ion:106 Resp: 496175
Ion Ratio Lower Upper
106 100
91 212.7 150.8 280.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

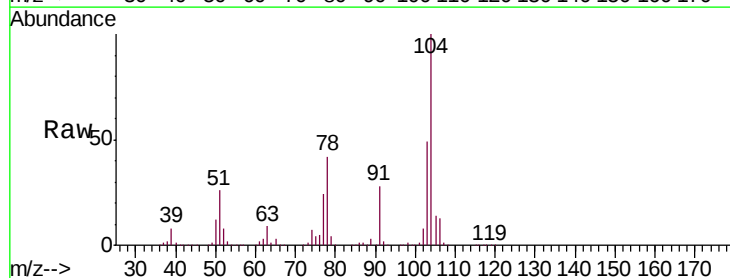


Time-->

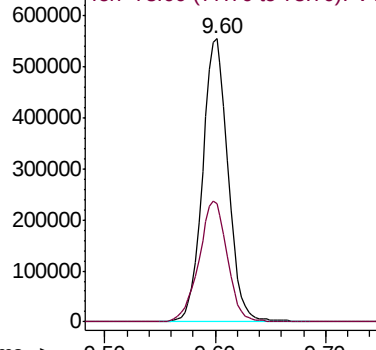


#55
Styrene
Concen: 28.097 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV013023.D
Acq: 02 Oct 2019 09:21

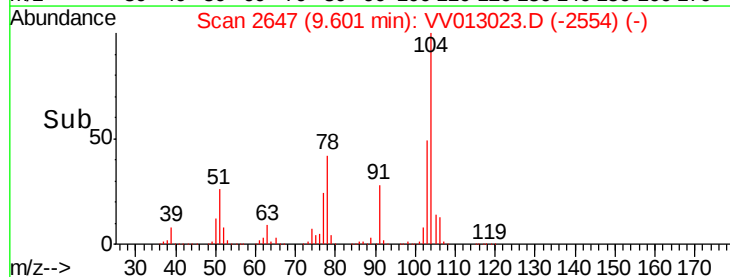
Tgt Ion:104 Resp: 888295
Ion Ratio Lower Upper
104 100
78 41.7 29.8 55.3

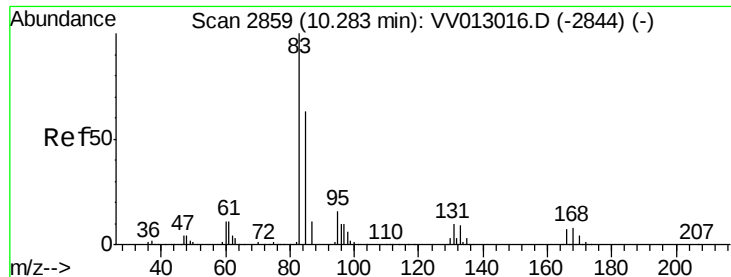


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0



Time-->

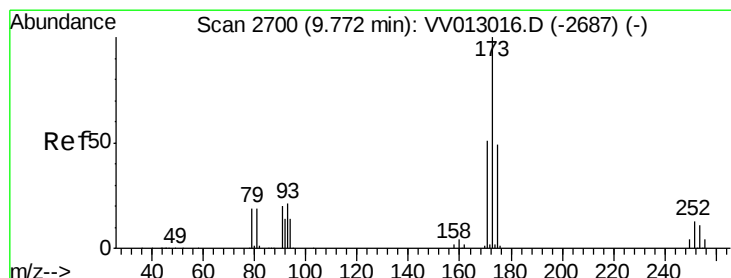
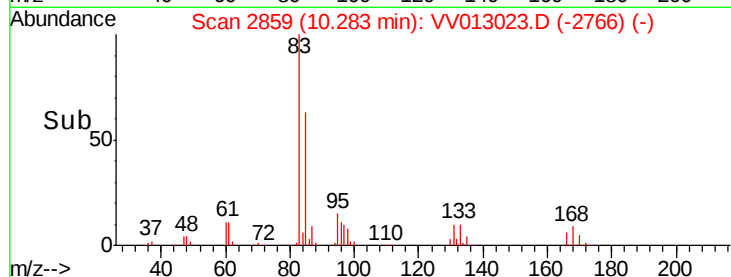
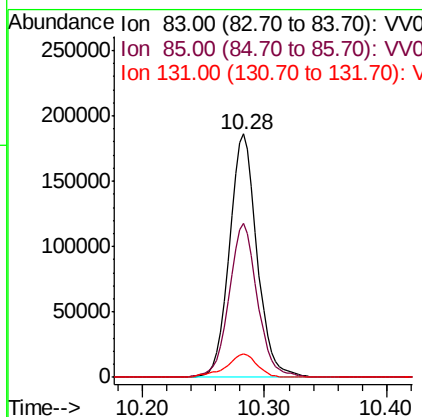
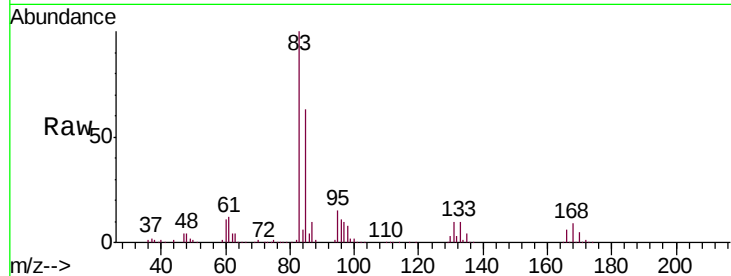




#57
 1,1,2,2-Tetrachloroethane
 Concen: 26.164 ug/L
 RT: 10.28 min Scan# 2859
 Delta R.T. 0.00 min
 Lab File: VV013023.D
 Acq: 02 Oct 2019 09:21

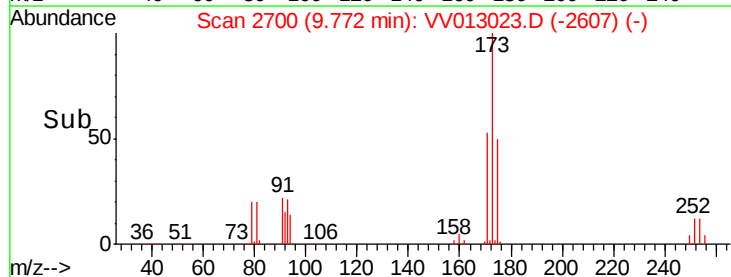
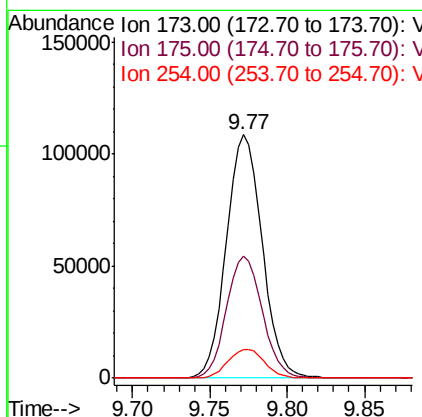
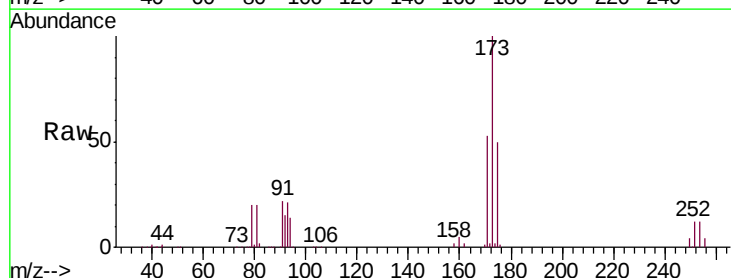
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02578

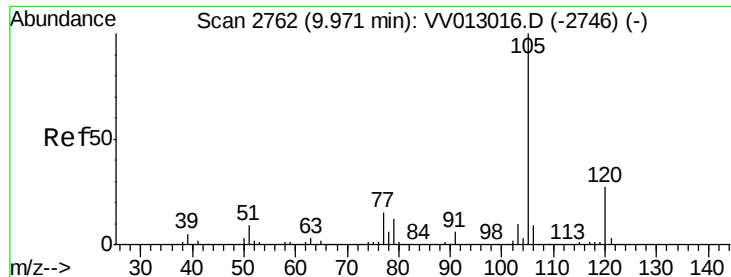
Tgt Ion: 83 Resp: 293457
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.5 82.7
 131 9.7 8.2 12.2



#59
 Bromoform
 Concen: 25.166 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV013023.D
 Acq: 02 Oct 2019 09:21

Tgt Ion: 173 Resp: 174336
 Ion Ratio Lower Upper
 173 100
 175 50.2 38.9 58.3
 254 12.1 9.4 14.0





#60

Isopropylbenzene

Concen: 27.505 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013023.D

Acq: 02 Oct 2019 09:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD02578

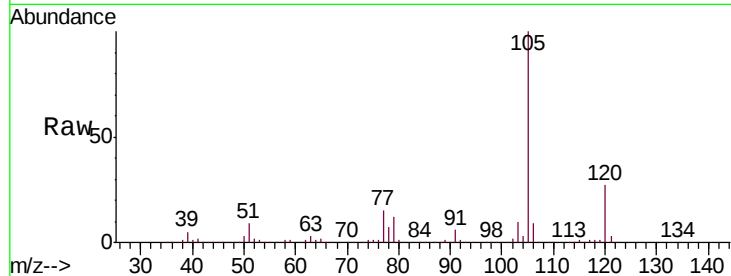
Tgt Ion:105 Resp: 1340704

Ion Ratio Lower Upper

105 100

120 27.0 21.1 31.7

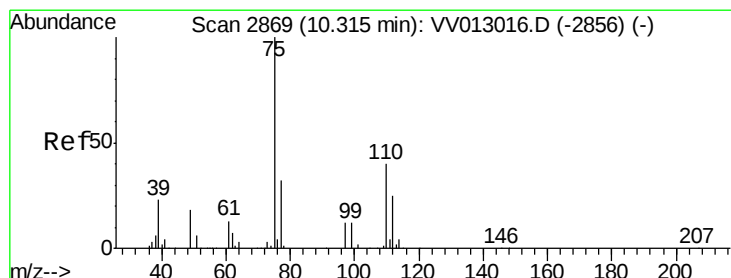
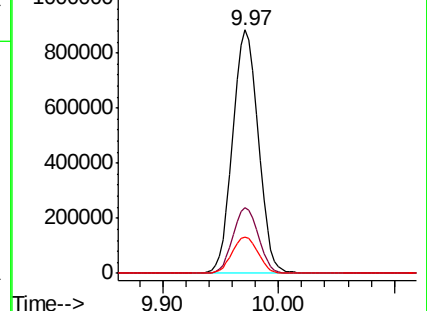
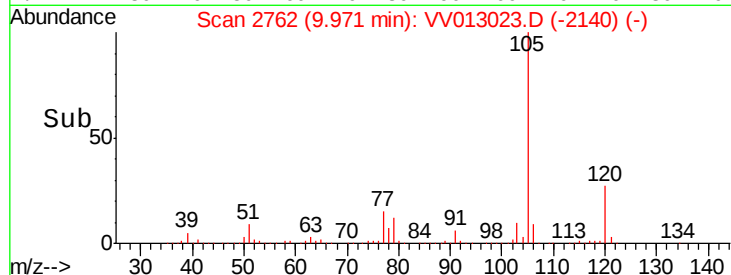
77 15.3 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 25.030 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013023.D

Acq: 02 Oct 2019 09:21

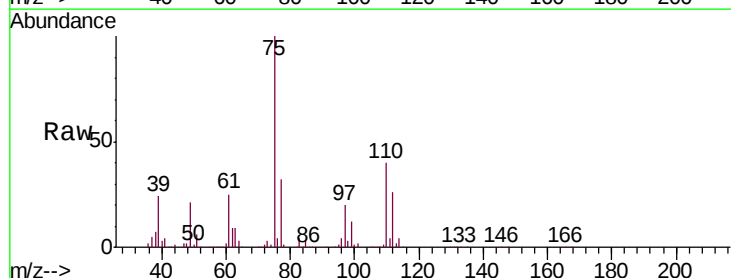
Tgt Ion: 75 Resp: 230440

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2

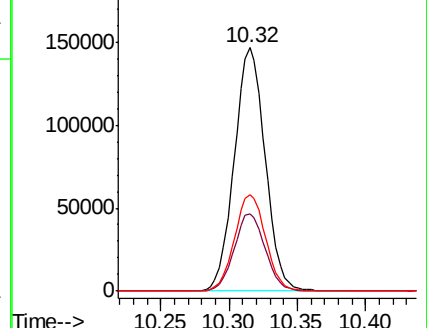
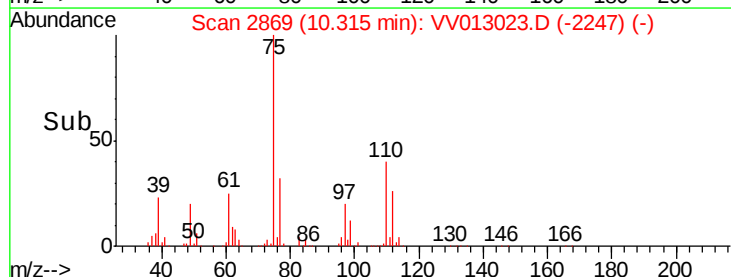
110 40.1 31.7 47.5

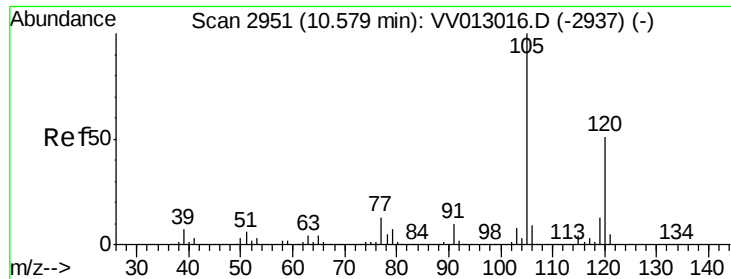


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

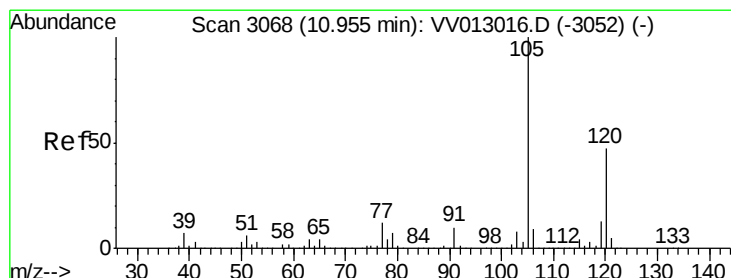
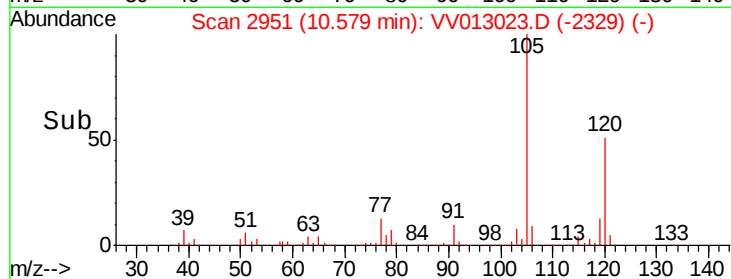
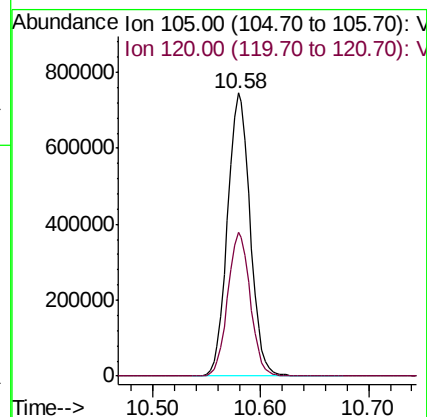
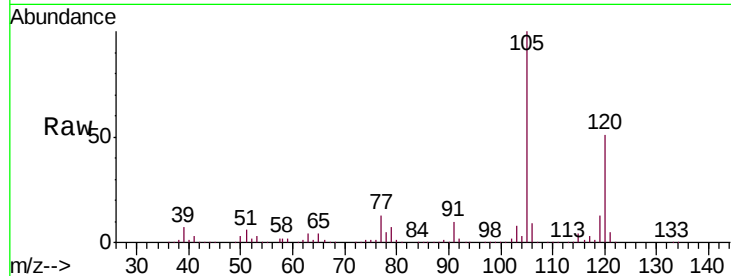




#62
 1,3,5-Trimethylbenzene
 Concen: 27.673 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VV013023.D
 Acq: 02 Oct 2019 09:21

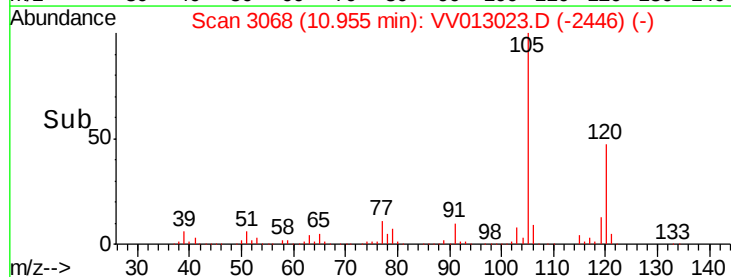
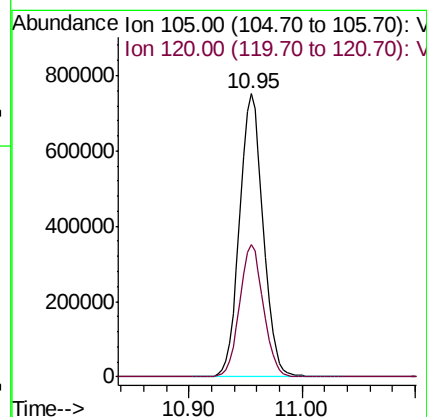
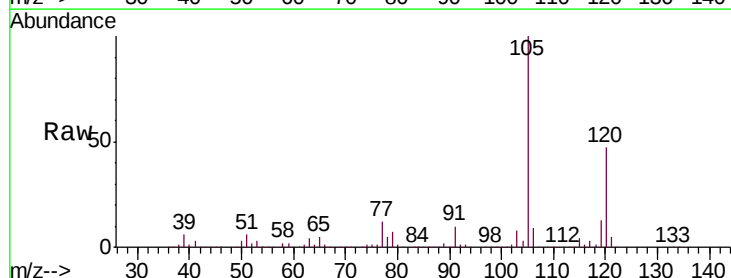
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02578

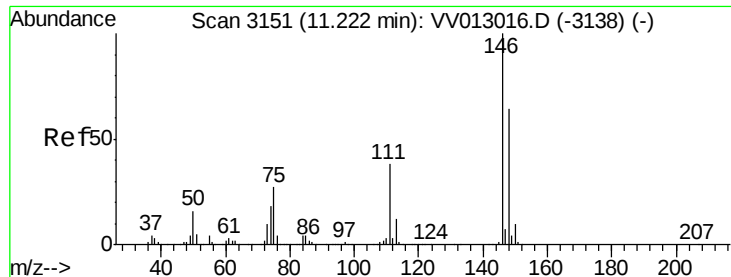
Tgt Ion:105 Resp: 1086844
 Ion Ratio Lower Upper
 105 100
 120 50.6 40.6 61.0



#63
 1,2,4-Trimethylbenzene
 Concen: 27.701 ug/L
 RT: 10.95 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VV013023.D
 Acq: 02 Oct 2019 09:21

Tgt Ion:105 Resp: 1092516
 Ion Ratio Lower Upper
 105 100
 120 47.0 37.1 55.7





#64

1,3-Dichlorobenzene

Concen: 26.006 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013023.D

Acq: 02 Oct 2019 09:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD02578

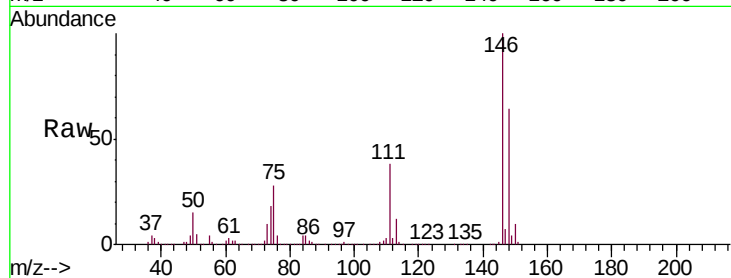
Tgt Ion:146 Resp: 665349

Ion Ratio Lower Upper

146 100

111 38.1 27.0 50.2

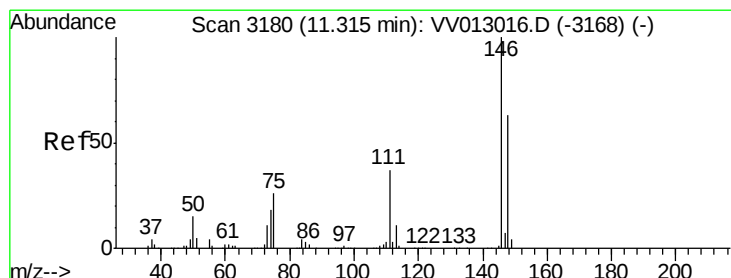
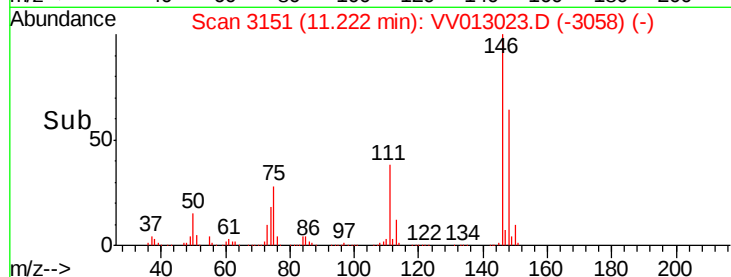
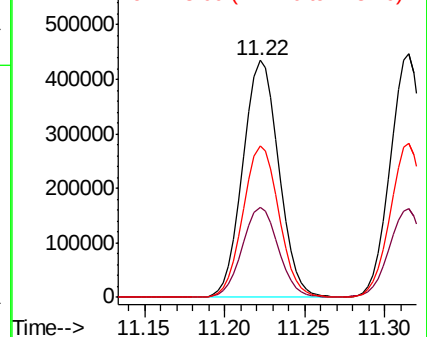
148 64.1 44.7 83.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 25.345 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013023.D

Acq: 02 Oct 2019 09:21

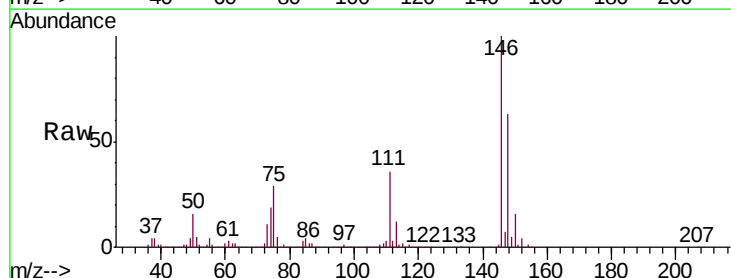
Tgt Ion:146 Resp: 680983

Ion Ratio Lower Upper

146 100

111 36.2 25.4 47.2

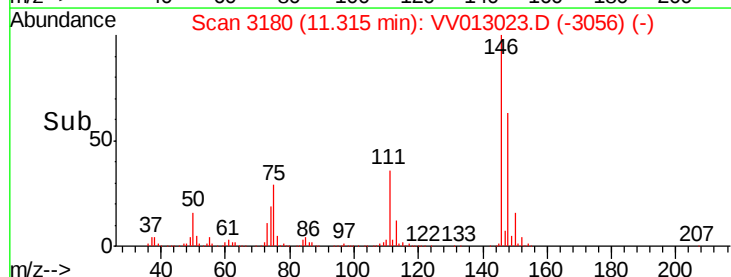
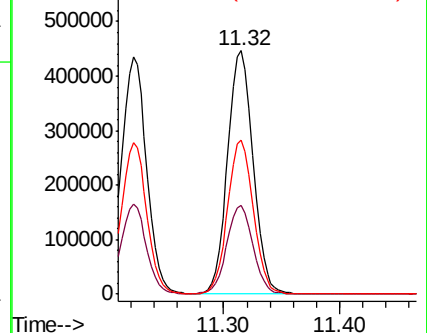
148 63.3 44.2 82.2

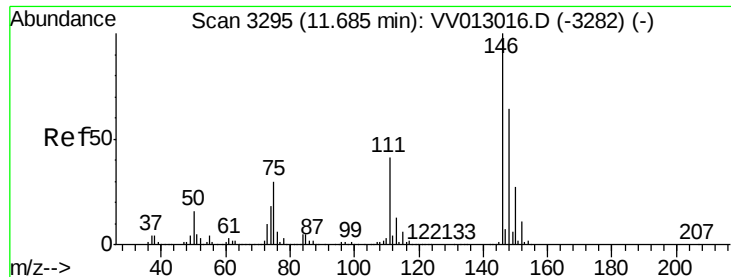


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

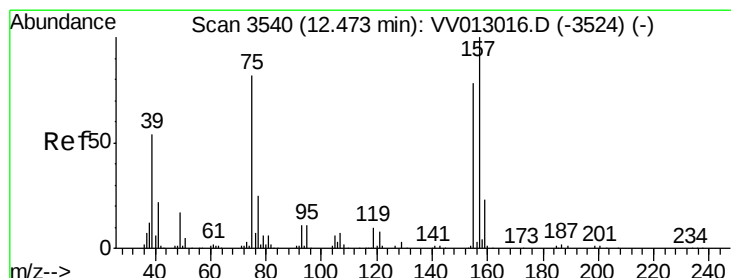
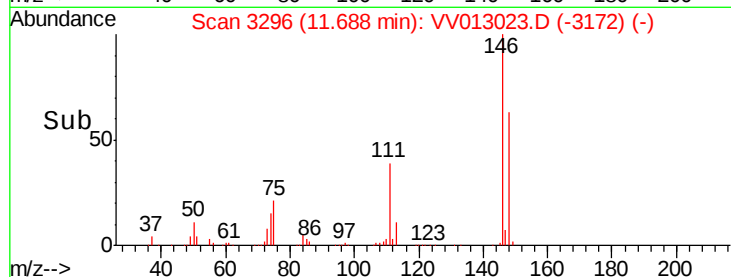
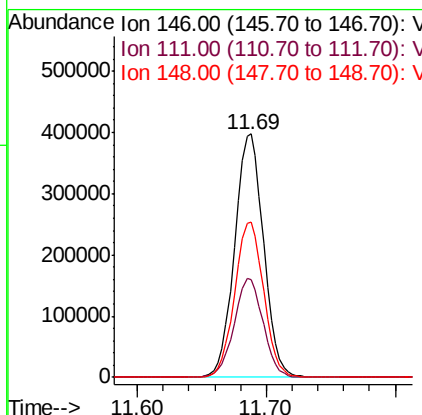
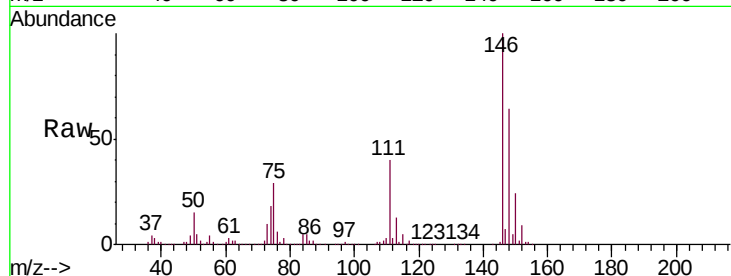




#67
 1,2-Dichlorobenzene
 Concen: 25.294 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV013023.D
 Acq: 02 Oct 2019 09:21

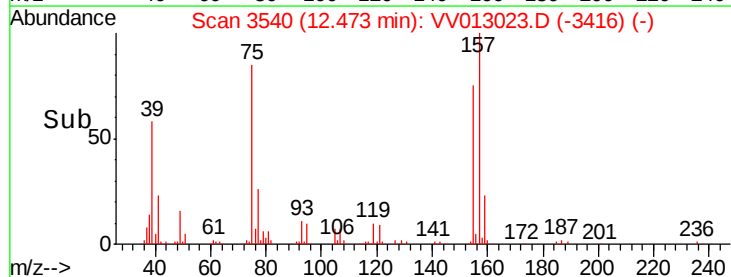
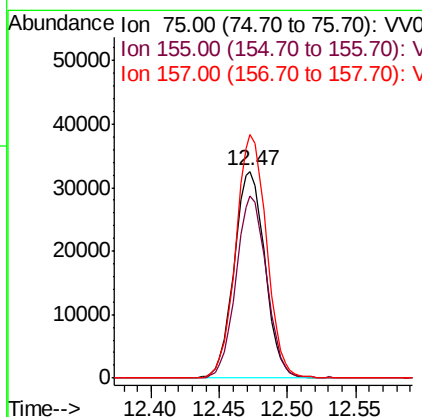
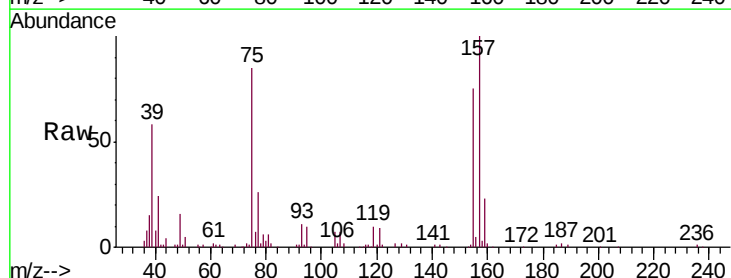
Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD02578

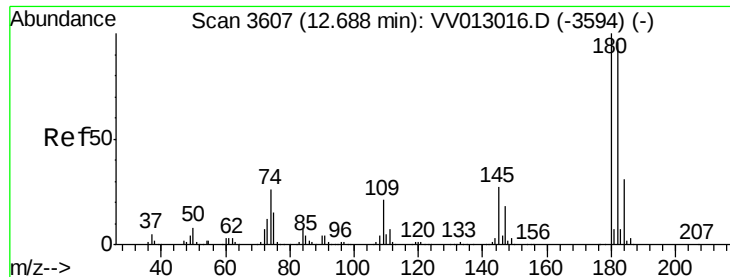
Tgt Ion: 146 Resp: 617879
 Ion Ratio Lower Upper
 146 100
 111 40.3 32.0 48.0
 148 63.5 50.8 76.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 25.700 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013023.D
 Acq: 02 Oct 2019 09:21

Tgt Ion: 75 Resp: 51319
 Ion Ratio Lower Upper
 75 100
 155 88.1 74.4 111.6
 157 117.6 95.8 143.6

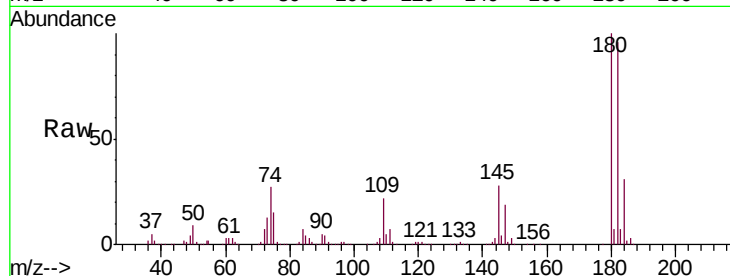




#69
 1,3,5-Trichlorobenzene
 Concen: 25.038 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013023.D
 Acq: 02 Oct 2019 09:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02578

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	115.0
184	30.5	24.6	37.0
145	27.7	22.2	33.4



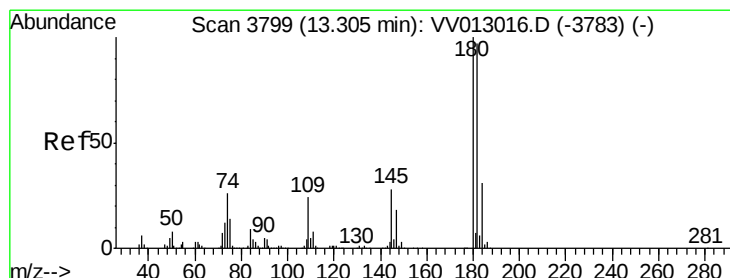
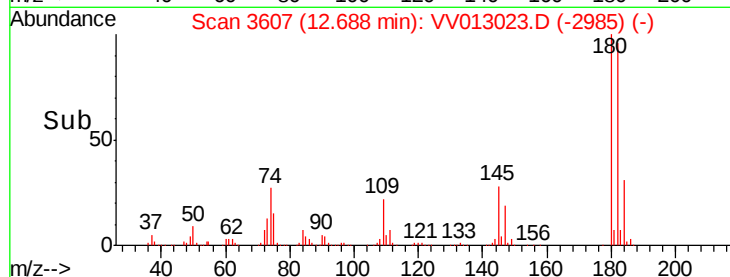
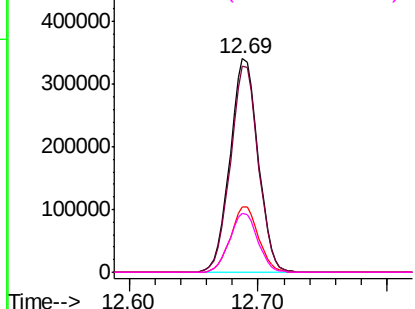
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

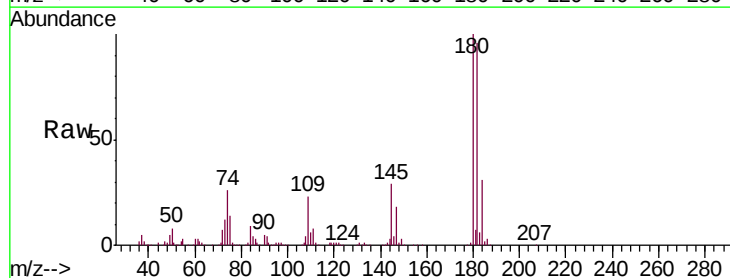
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 24.417 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013023.D
 Acq: 02 Oct 2019 09:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.0	114.0
145	28.5	22.5	33.7

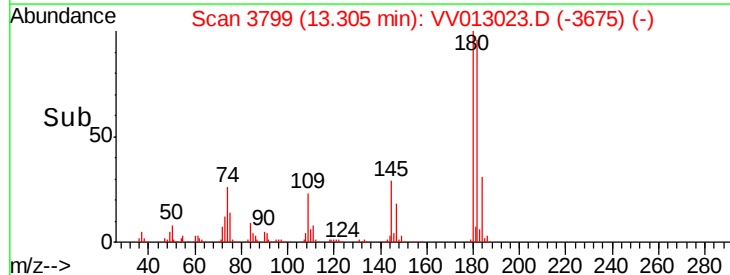
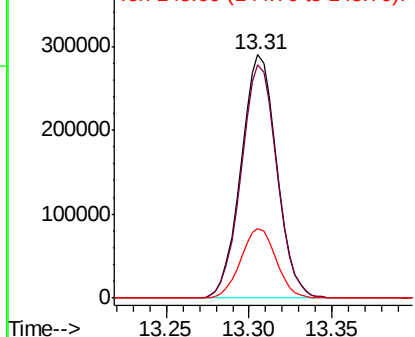


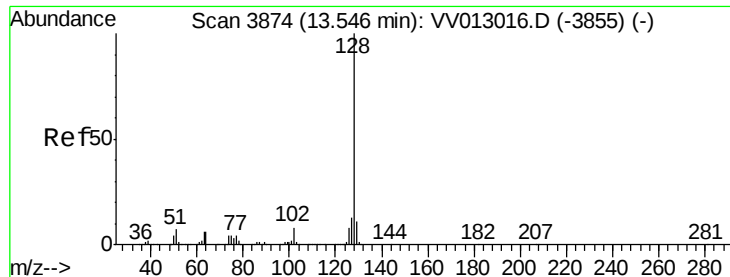
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

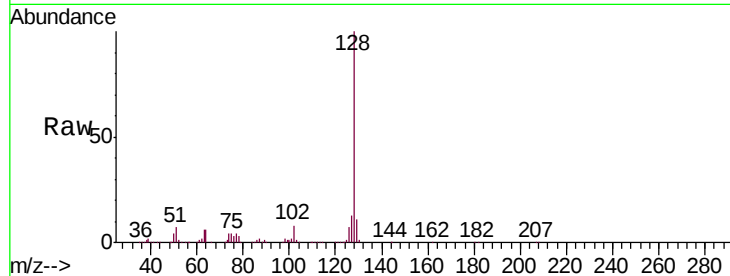




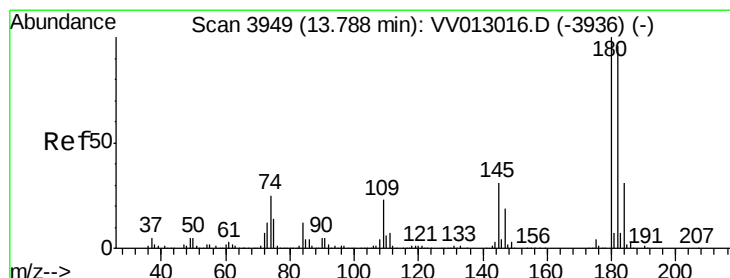
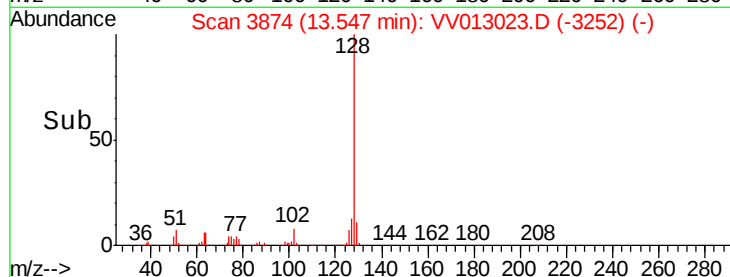
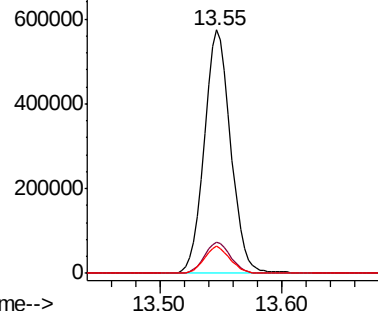
#71
Naphthalene
Concen: 24.971 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. 0.00 min
Lab File: VV013023.D
Acq: 02 Oct 2019 09:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD02578

Tgt Ion:128 Resp: 866388
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.9 8.6 12.8

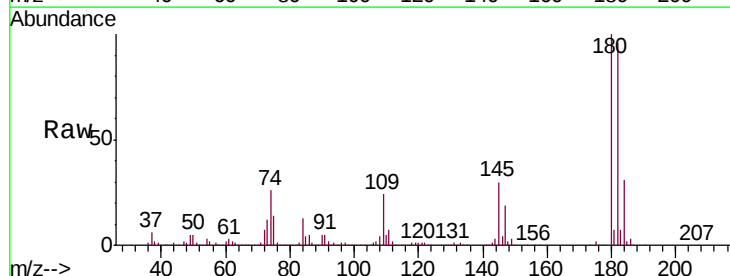


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 24.415 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VV013023.D
Acq: 02 Oct 2019 09:21

Tgt Ion:180 Resp: 419458
Ion Ratio Lower Upper
180 100
182 95.6 76.7 115.1
145 30.2 24.2 36.4



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

