

Data File : VV013395.D
Acq On : 29 Oct 2019 14:43
Operator : SY/MD
Sample : VSTDICV005
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV31

Quant Time: Oct 30 02:45:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 30 02:28:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	407848	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	420129	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	254486	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	190849	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.58	69	146737	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.13	63	309438	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.20%
20) 2-Butanone-d5	3.96	46	474796	53.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.62%
24) Chloroform-d	4.39	84	383004	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.08	65	186401	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.09	84	770210	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
36) 1,2-Dichloropropane-d6	6.11	67	235717	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.35	98	720960	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
43) trans-1,3-Dichloropropene-	7.66	79	87447	5.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.20%
46) 2-Hexanone-d5	8.13	63	312701	57.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.40%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	150314	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	251708	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	252368	4.611 ug/L	99
3) Chloromethane	1.25	50	209190	4.539 ug/L	96
5) Vinyl chloride	1.32	62	225250	5.037 ug/L	99
6) Bromomethane	1.53	94	118481	4.924 ug/L	97
8) Chloroethane	1.60	64	117748	4.608 ug/L	99
9) Trichlorofluoromethane	1.77	101	258653	4.429 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	155708	4.773 ug/L	99
12) 1,1-Dichloroethene	2.14	96	152056	4.873 ug/L	97
13) Acetone	2.23	43	226690	52.579 ug/L	95
14) Carbon disulfide	2.31	76	461001	4.888 ug/L	100
15) Methyl Acetate	2.47	43	77365	4.794 ug/L	95
16) Methylene chloride	2.53	84	214421	4.745 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	432986	5.214 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	205584	4.948 ug/L	99
19) 1,1-Dichloroethane	3.22	63	386607	5.072 ug/L	99
21) 2-Butanone	4.04	43	522340	55.611 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	215004	5.132 ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 30 02:28:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	93024	4.939	ug/L	97
25) Chloroform	4.42	83	391129	4.844	ug/L	98
27) 1,2-Dichloroethane	5.17	62	232365	5.214	ug/L	95
29) 1,1,1-Trichloroethane	4.65	97	332554	5.345	ug/L	100
30) Cyclohexane	4.72	56	358189	5.481	ug/L	99
31) Carbon tetrachloride	4.87	117	296311	5.246	ug/L	100
33) Benzene	5.14	78	835574	5.322	ug/L	100
34) Trichloroethene	5.96	95	224854	5.217	ug/L	96
35) Methylcyclohexane	6.17	83	353188	5.494	ug/L	99
37) 1,2-Dichloropropane	6.22	63	213780	5.386	ug/L	99
38) Bromodichloromethane	6.55	83	261020	5.241	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	290916	5.425	ug/L	96
40) 4-Methyl-2-pentanone	7.27	43	1263531	56.538	ug/L	99
42) Toluene	7.43	91	899435	5.494	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	230951	5.449	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	137589	5.207	ug/L	97
47) Tetrachloroethene	8.01	164	190834	5.226	ug/L	99
48) 2-Hexanone	8.18	43	927276	58.682	ug/L	98
49) Dibromochloromethane	8.29	129	171313	5.241	ug/L	99
50) 1,2-Dibromoethane	8.39	107	125879	5.190	ug/L	97
51) Chlorobenzene	8.92	112	551831	5.223	ug/L	99
52) Ethylbenzene	9.05	91	949713	5.472	ug/L	100
53) m,p-xylene	9.18	106	367823	5.738	ug/L	98
54) o-xylene	9.58	106	347341	5.601	ug/L	100
55) Styrene	9.60	104	601112	5.753	ug/L	98
56) Isopropylbenzene	9.97	105	957410	5.735	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	143634	5.124	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	119687	5.240	ug/L	99
61) Bromoform	9.77	173	98195	5.270	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	454311	5.302	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	446179	5.192	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	419677	5.290	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	21929	4.868	ug/L	84
67) 1,3,5-Trichlorobenzene	12.69	180	351383	5.115	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	276140	5.192	ug/L	98
69) Naphthalene	13.55	128	387352	5.320	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	264173	5.466	ug/L	99

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

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Instrument :
MSVOA_V
ClientSampleId :
VICV31

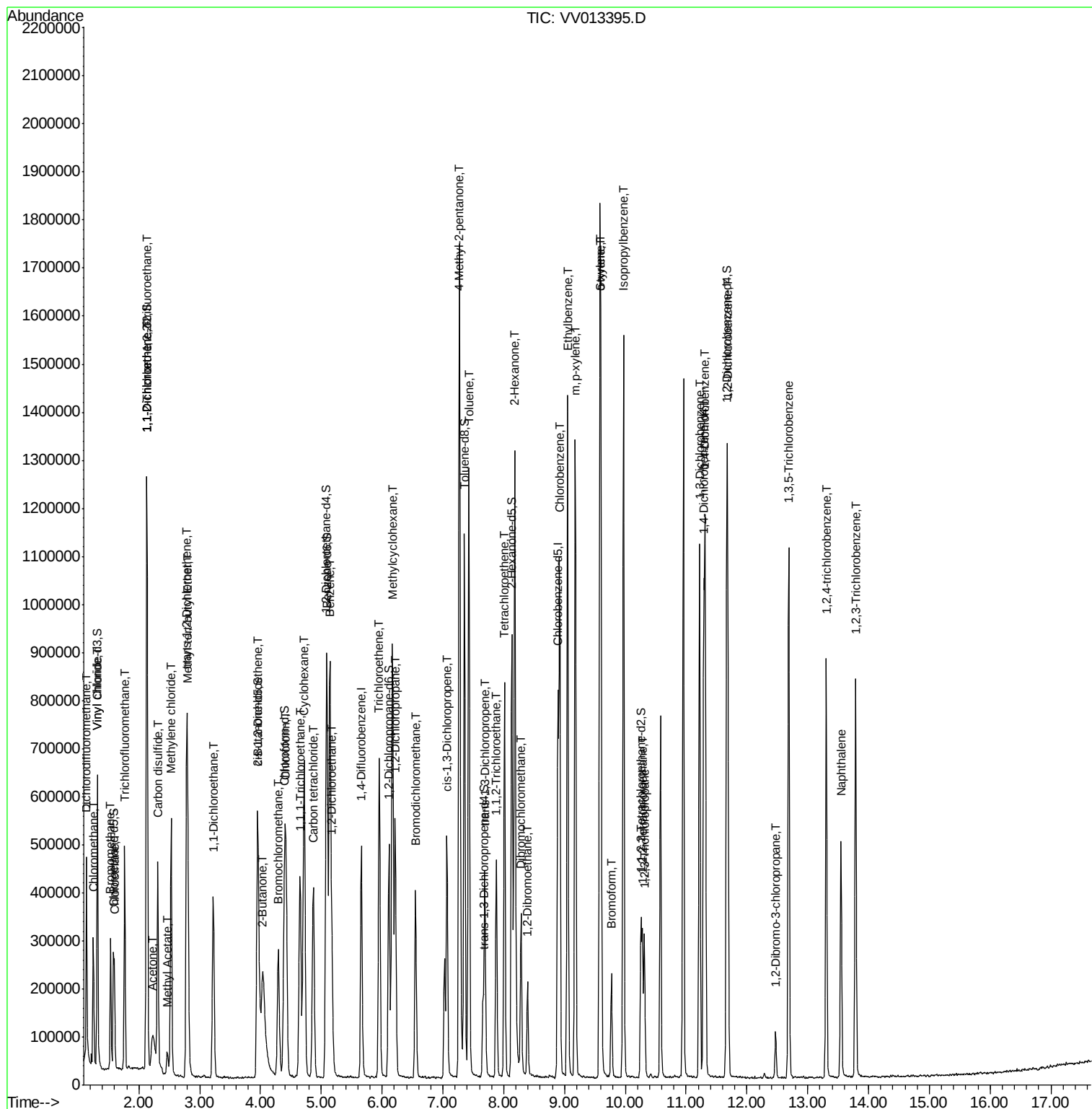
Quant Time: Oct 30 02:45:35 2019

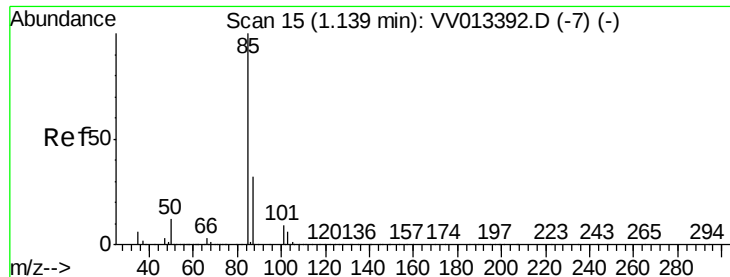
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR102919WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Oct 30 02:28:55 2019

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#2

Dichlorodifluoromethane

Concen: 4.611 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

Instrument :

MSVOA_V

ClientSampled :

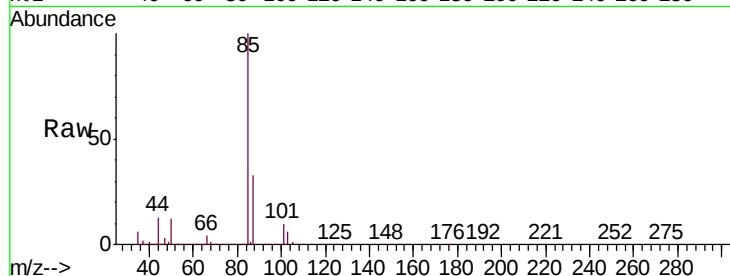
VICV31

Tgt Ion: 85 Resp: 252368

Ion Ratio Lower Upper

85 100

87 32.8 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

250000

200000

150000

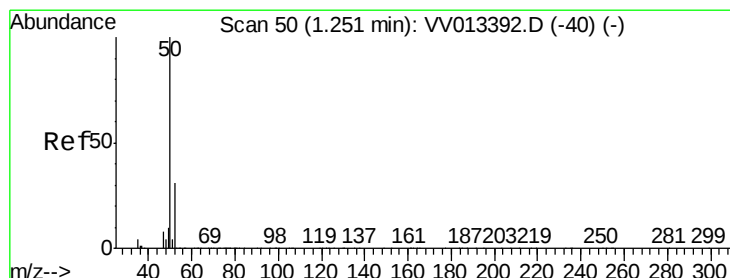
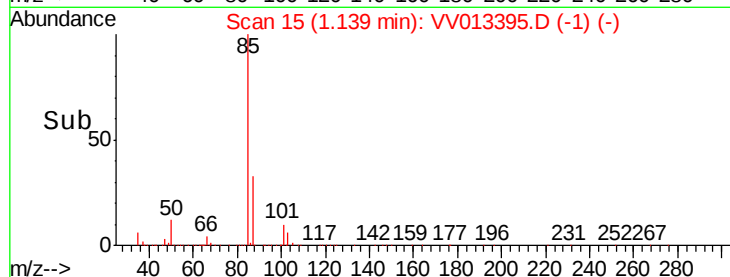
100000

50000

0

Time-->

1.10 1.20 1.30



#3

Chloromethane

Concen: 4.539 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013395.D

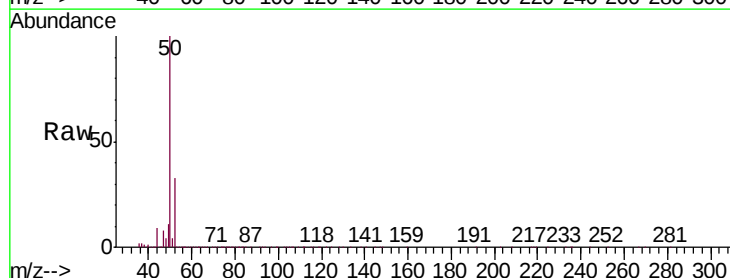
Acq: 29 Oct 2019 14:43

Tgt Ion: 50 Resp: 209190

Ion Ratio Lower Upper

50 100

52 33.5 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

200000

150000

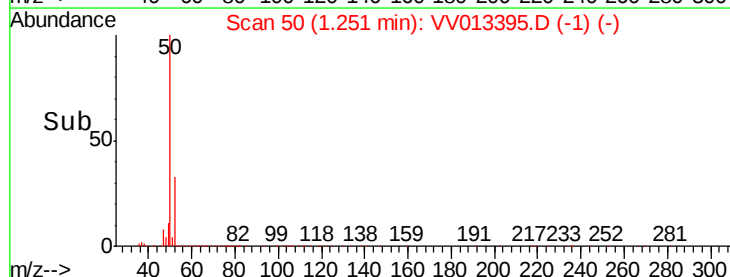
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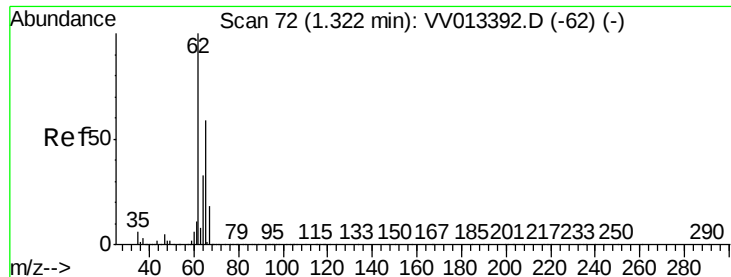
50000

0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 5.037 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

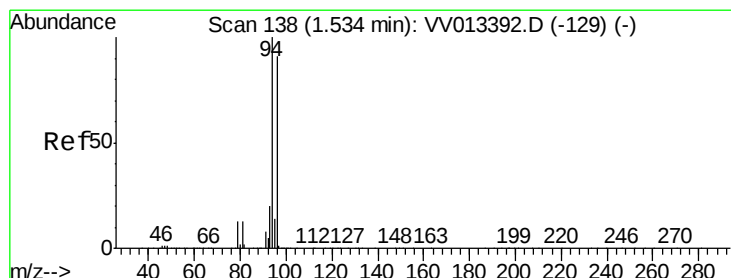
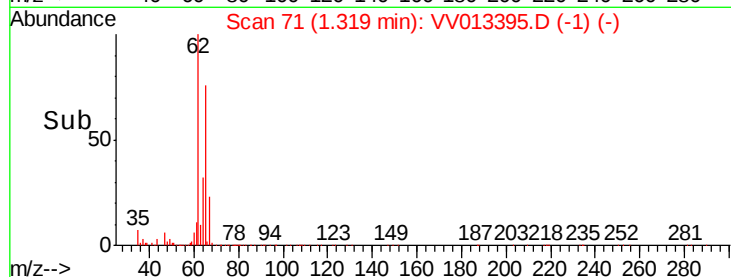
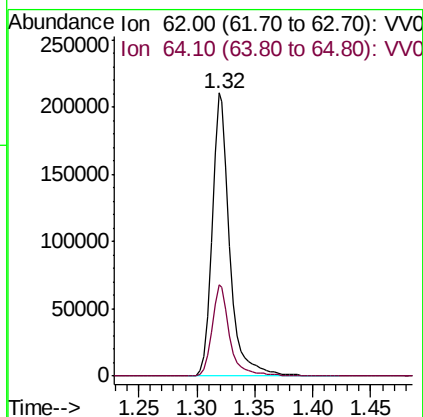
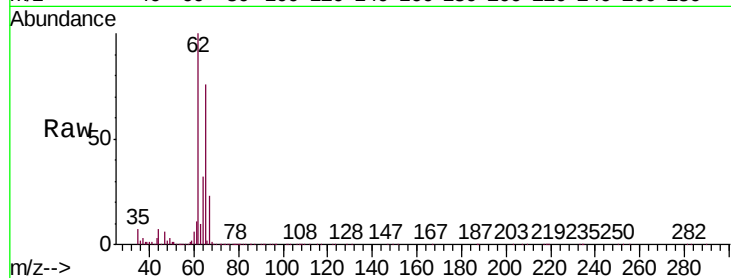
VICV31

Tgt Ion: 62 Resp: 225250

Ion Ratio Lower Upper

62 100

64 32.2 23.0 42.6



#6

Bromomethane

Concen: 4.924 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013395.D

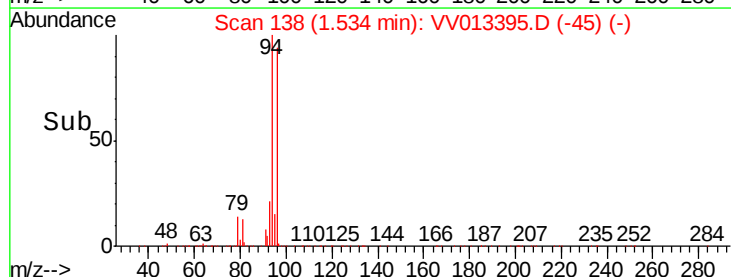
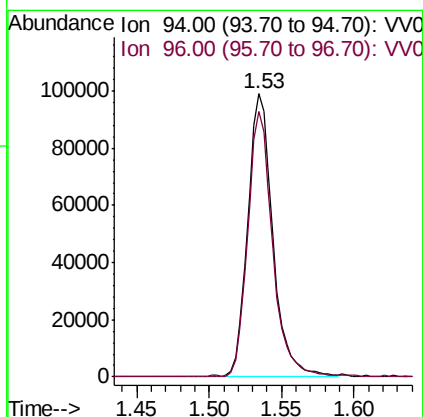
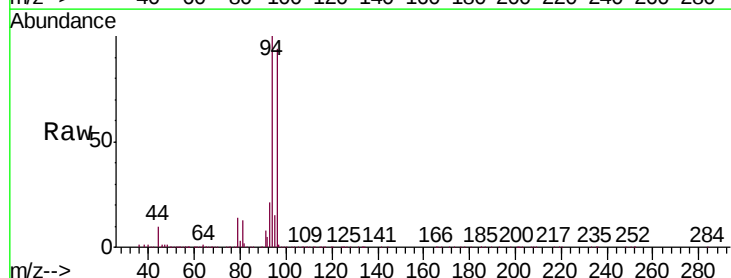
Acq: 29 Oct 2019 14:43

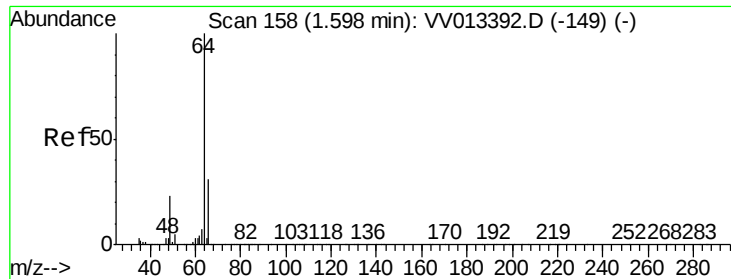
Tgt Ion: 94 Resp: 118481

Ion Ratio Lower Upper

94 100

96 93.7 63.8 118.4





#8

Chloroethane

Concen: 4.608 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

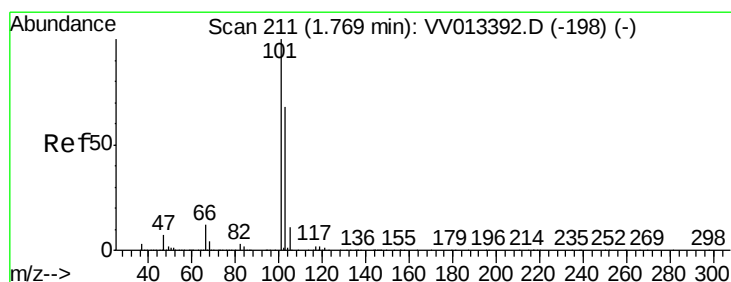
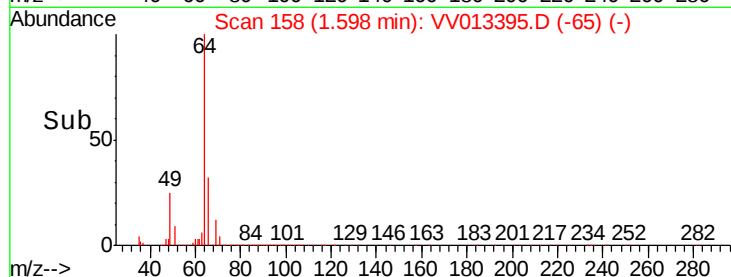
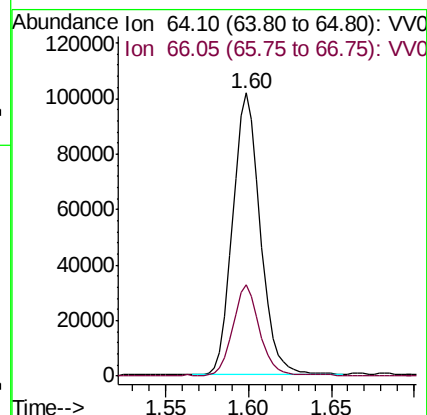
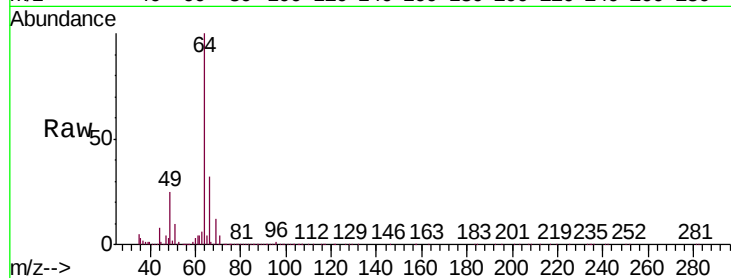
VICV31

Tgt Ion: 64 Resp: 117748

Ion Ratio Lower Upper

64 100

66 32.2 22.0 41.0



#9

Trichlorofluoromethane

Concen: 4.429 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV013395.D

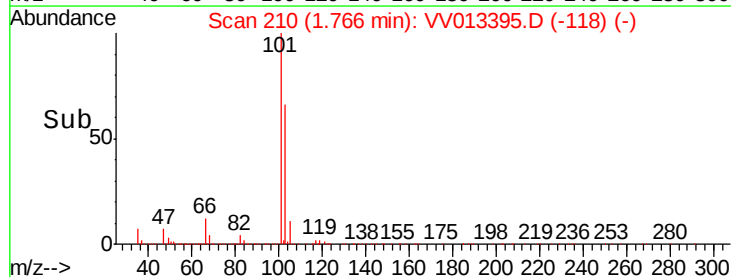
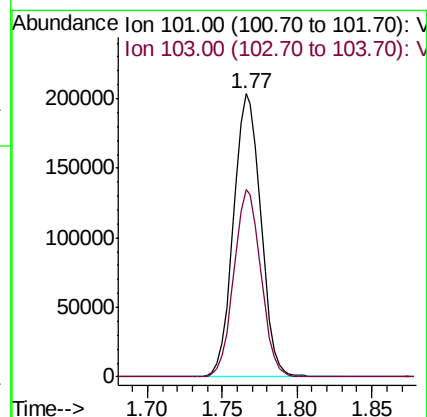
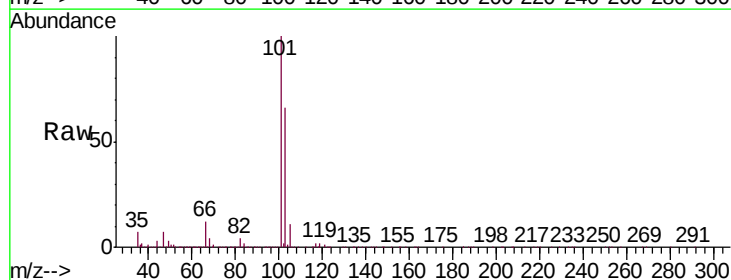
Acq: 29 Oct 2019 14:43

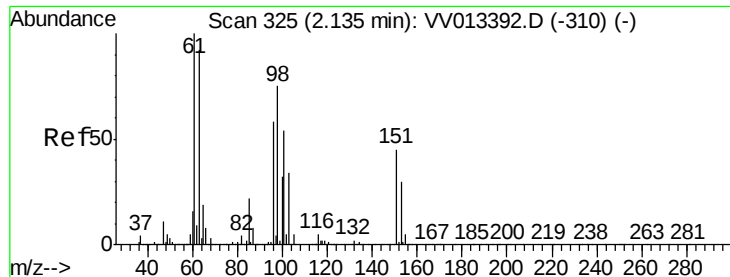
Tgt Ion: 101 Resp: 258653

Ion Ratio Lower Upper

101 100

103 65.7 54.2 81.2





#10

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

Concen: 4.773 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

VICV31

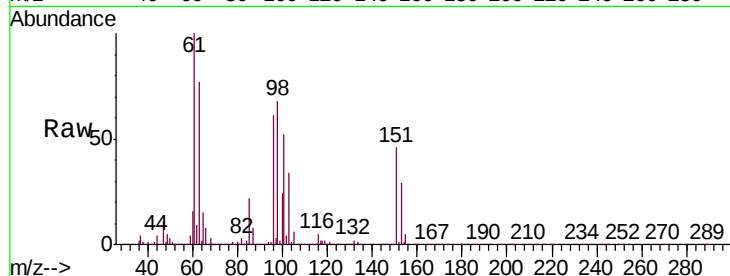
Tgt Ion: 101 Resp: 155708

Ion Ratio Lower Upper

101 100

85 40.9 33.0 49.4

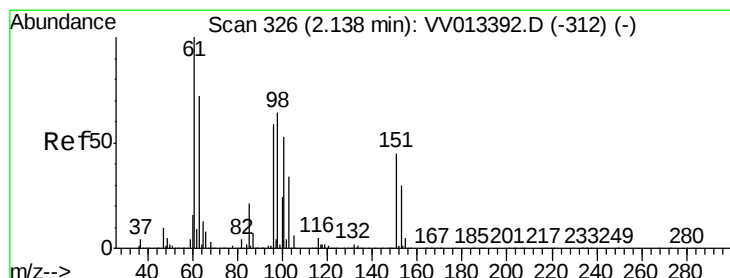
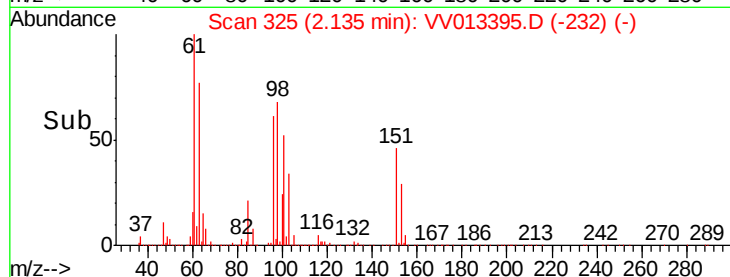
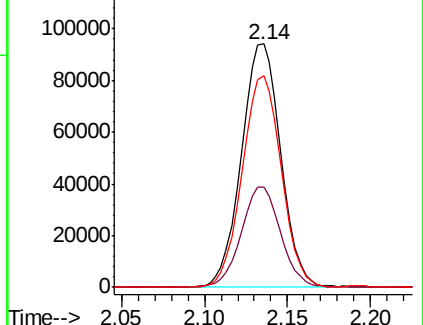
151 86.5 68.2 102.2



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: 4.873 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

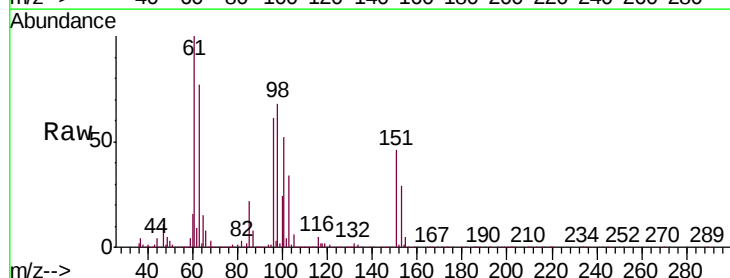
Tgt Ion: 96 Resp: 152056

Ion Ratio Lower Upper

96 100

61 164.2 117.8 218.8

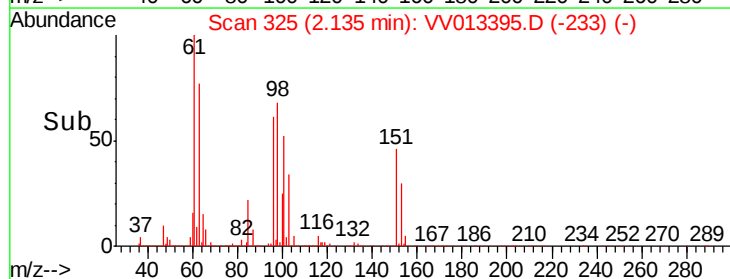
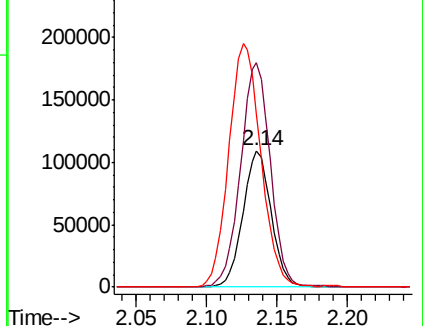
63 126.5 85.5 158.9

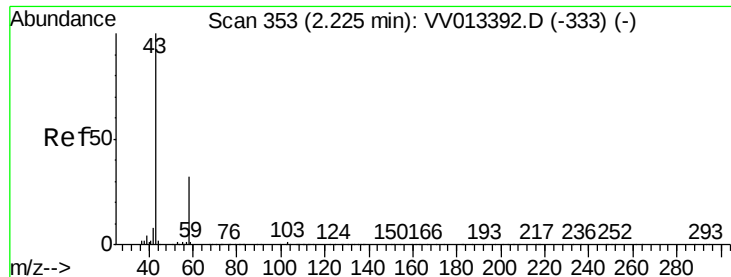


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 52.579 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.00 min

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ClientSampleId :

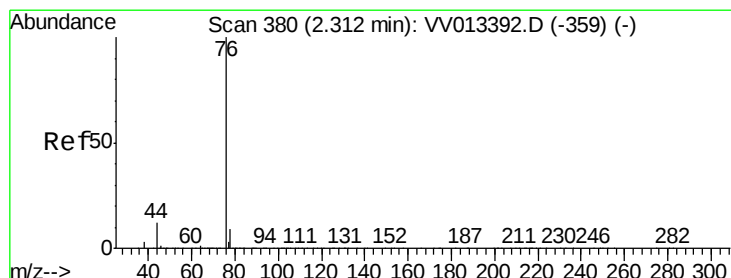
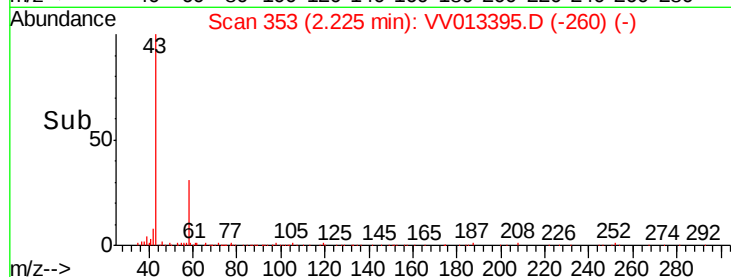
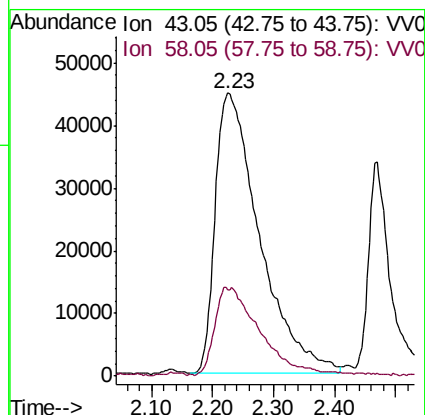
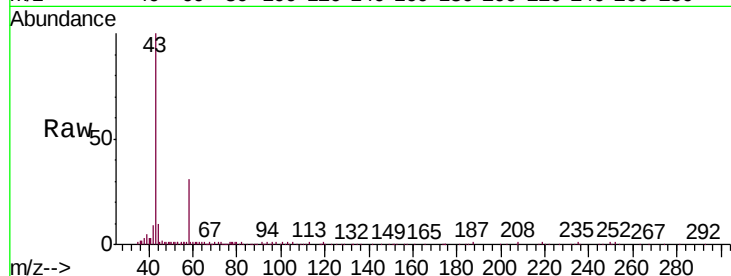
VICV31

Tgt Ion: 43 Resp: 226690

Ion Ratio Lower Upper

43 100

58 32.2 0.0 59.0



#14

Carbon disulfide

Concen: 4.888 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV013395.D

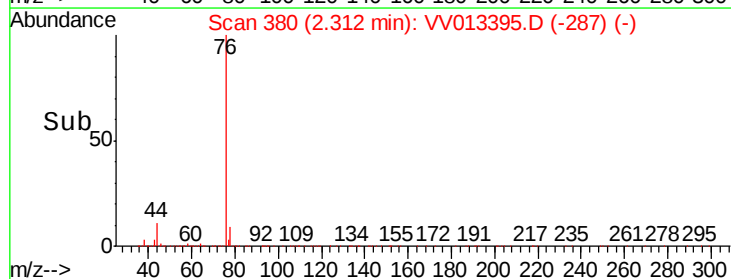
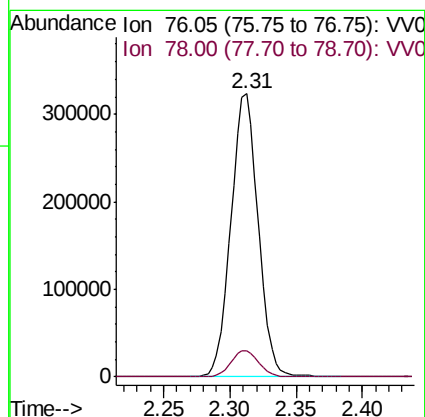
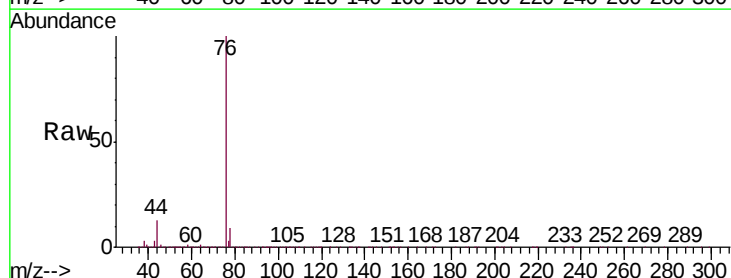
Acq: 29 Oct 2019 14:43

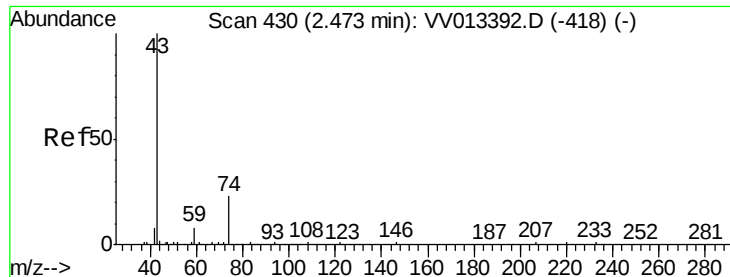
Tgt Ion: 76 Resp: 461001

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

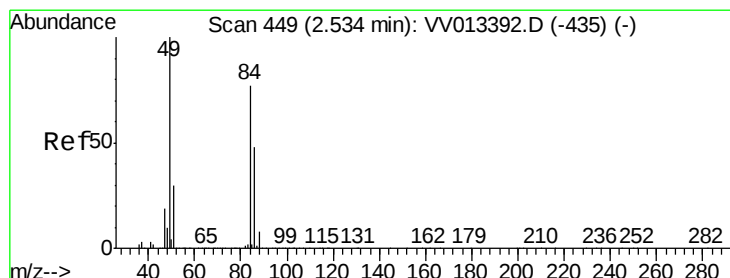
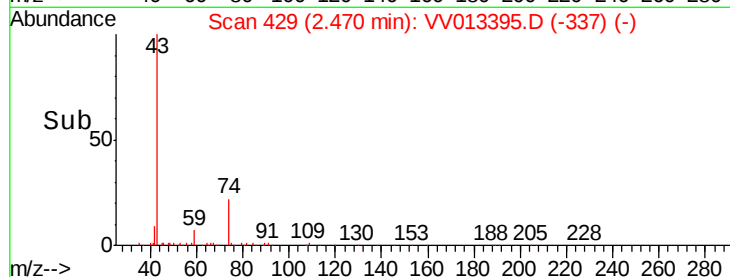
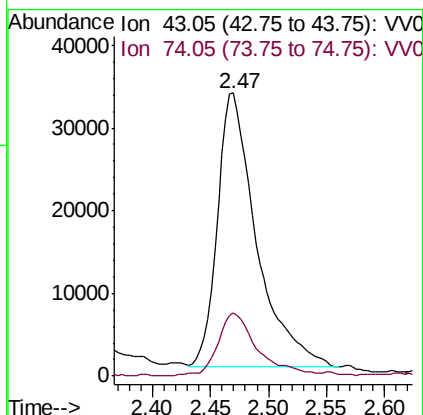
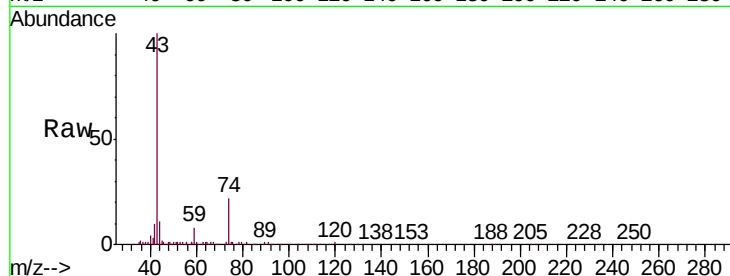




#15
Methyl Acetate
Concen: 4.794 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV013395.D
Acq: 29 Oct 2019 14:43

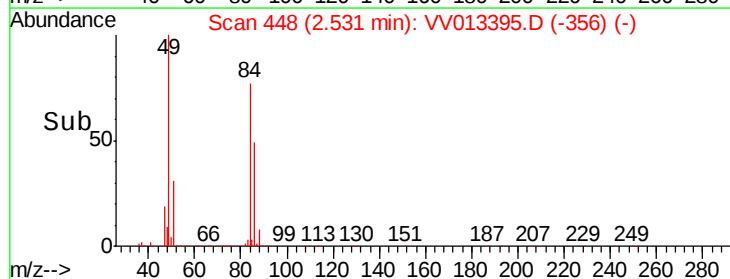
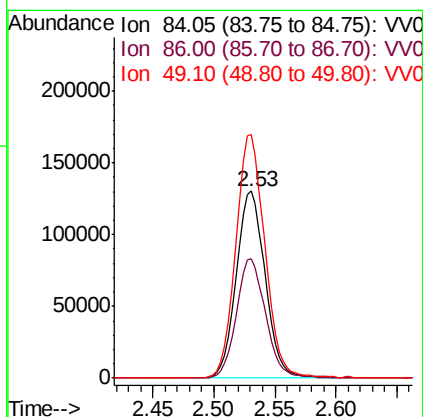
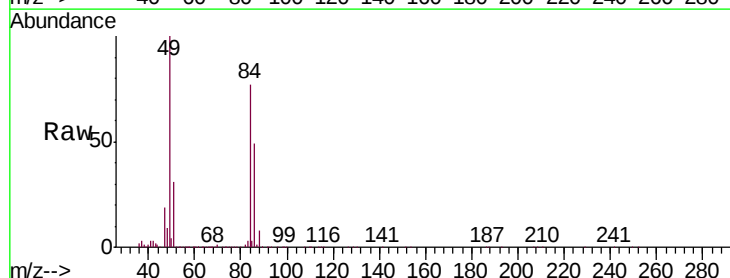
Instrument :
MSVOA_V
ClientSampleId :
VICV31

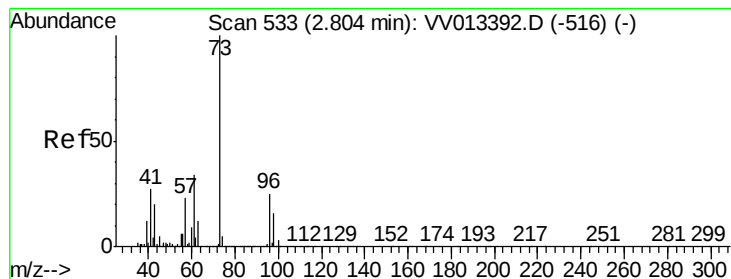
Tgt Ion: 43 Resp: 77365
Ion Ratio Lower Upper
43 100
74 23.8 17.0 25.6



#16
Methylene chloride
Concen: 4.745 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013395.D
Acq: 29 Oct 2019 14:43

Tgt Ion: 84 Resp: 214421
Ion Ratio Lower Upper
84 100
86 63.8 43.8 81.4
49 130.1 90.4 168.0





#17

Methyl tert-butyl Ether

Concen: 5.214 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

VICV31

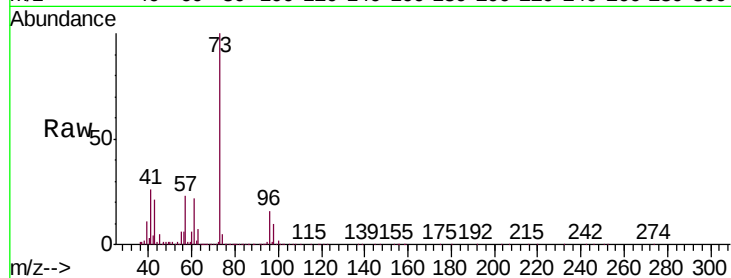
Tgt Ion: 73 Resp: 432986

Ion Ratio Lower Upper

73 100

43 19.8 16.6 25.0

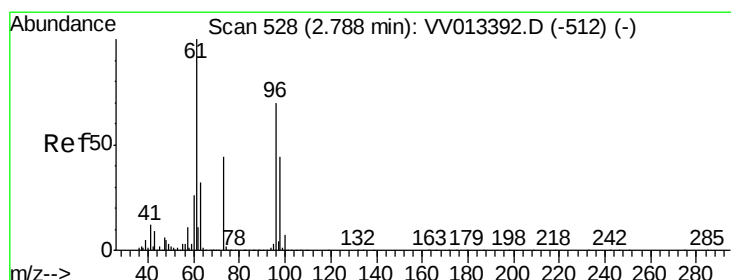
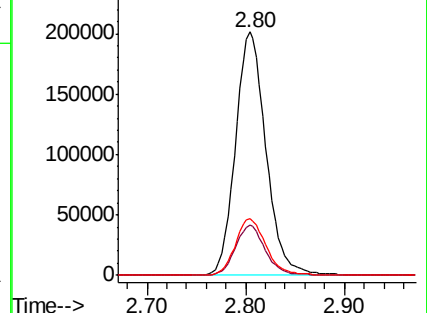
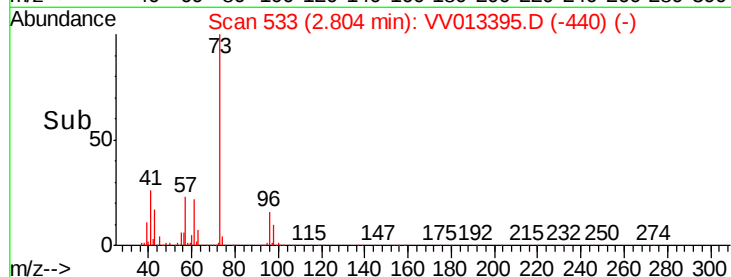
57 23.2 18.8 28.2



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: 4.948 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

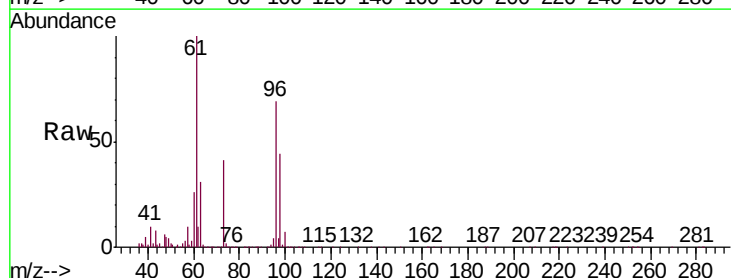
Tgt Ion: 96 Resp: 205584

Ion Ratio Lower Upper

96 100

61 144.3 100.1 185.9

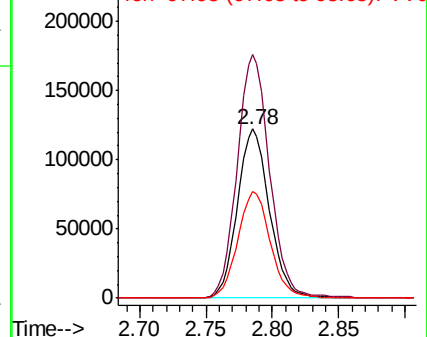
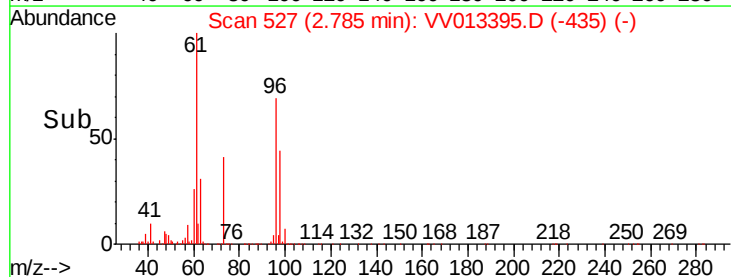
98 62.9 44.2 82.0

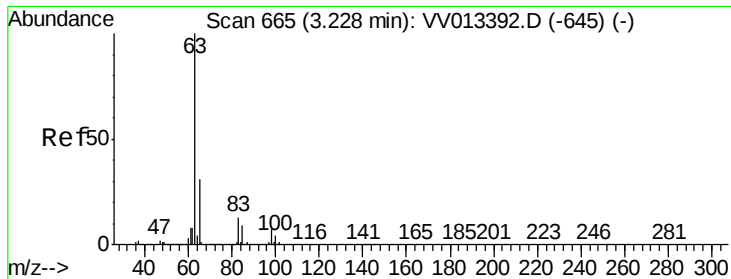


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 5.072 ug/L

RT: 3.22 min Scan# 663

Delta R.T. -0.01 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

VICV31

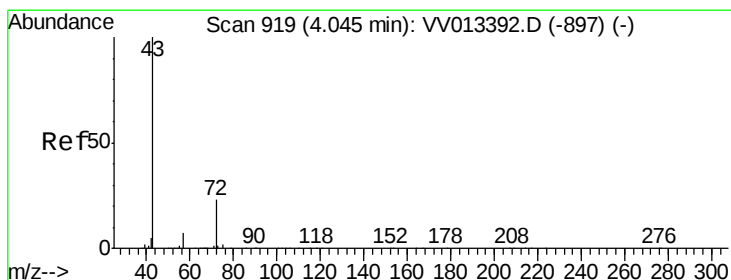
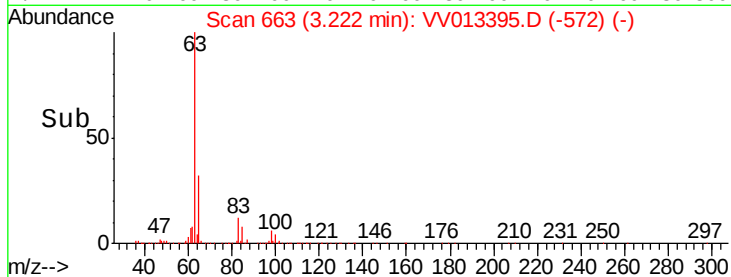
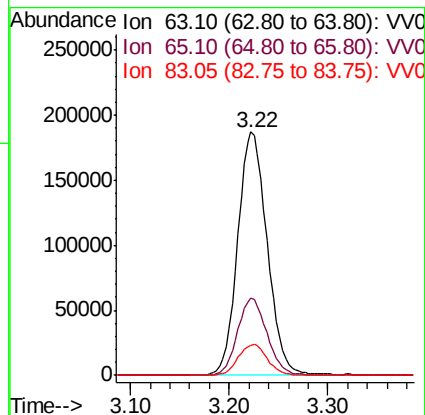
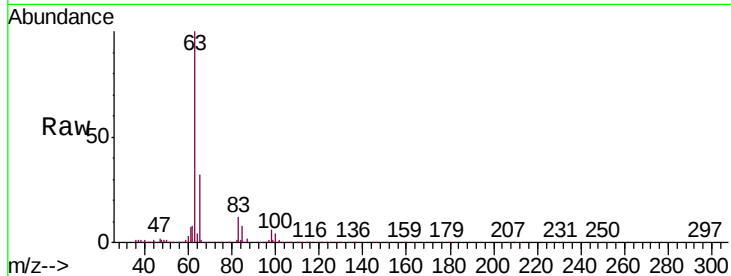
Tgt Ion: 63 Resp: 386607

Ion Ratio Lower Upper

63 100

65 31.7 21.7 40.3

83 12.4 8.9 16.5



#21

2-Butanone

Concen: 55.611 ug/L

RT: 4.04 min Scan# 918

Delta R.T. -0.00 min

Lab File: VV013395.D

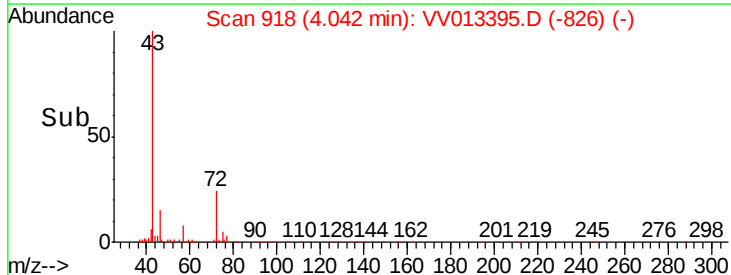
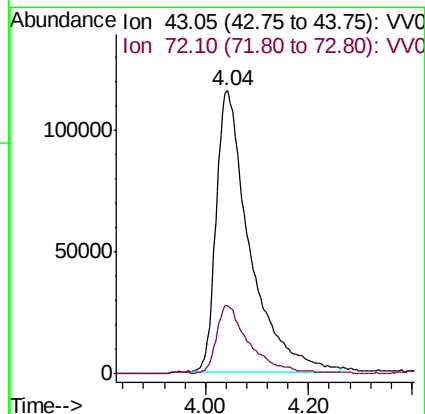
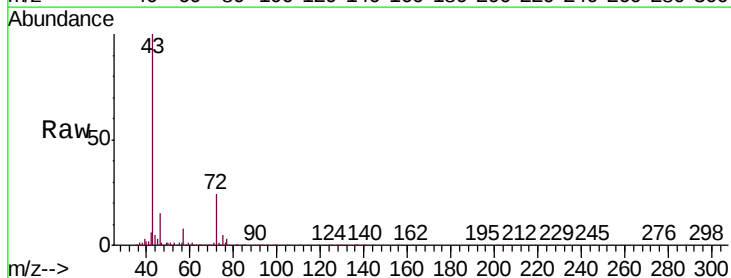
Acq: 29 Oct 2019 14:43

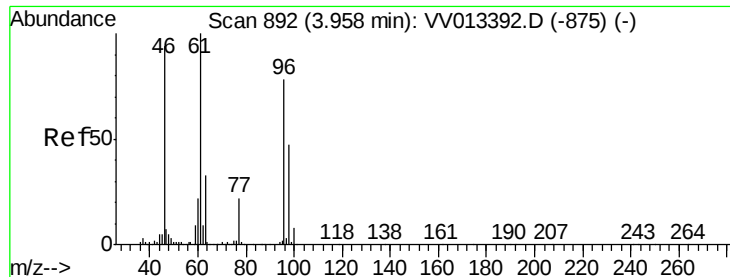
Tgt Ion: 43 Resp: 522340

Ion Ratio Lower Upper

43 100

72 22.9 11.3 33.9



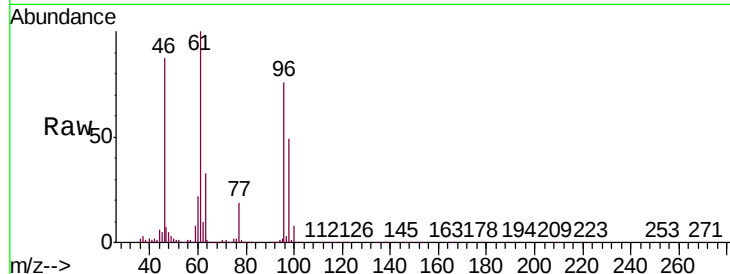


#22

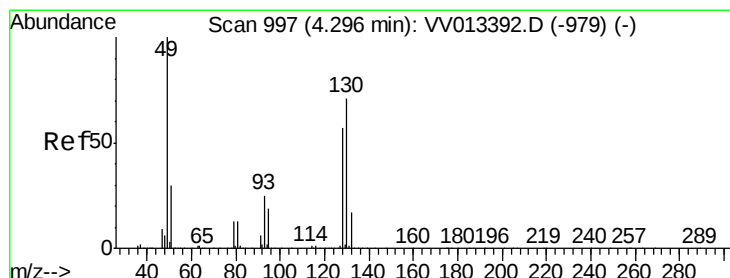
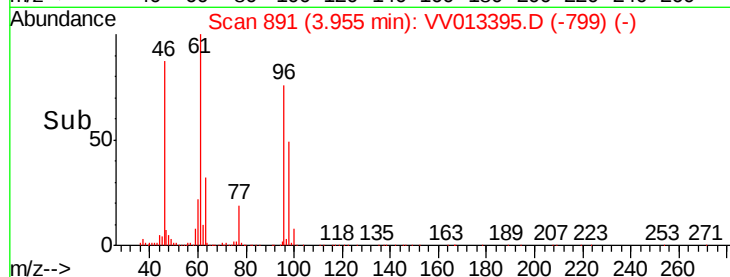
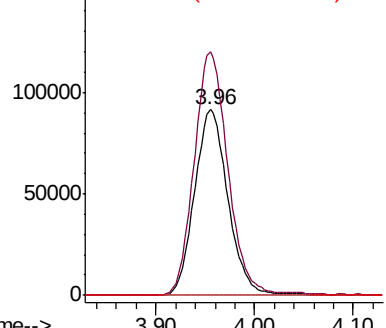
cis-1,2-Dichloroethene
Concen: 5.132 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV013395.D
Acq: 29 Oct 2019 14:43

Instrument :
MSVOA_V
ClientSampleId :
VICV31

Tgt Ion: 96 Resp: 215004
Ion Ratio Lower Upper
96 100
61 131.3 89.9 167.0
68 0.1 0.1 0.3



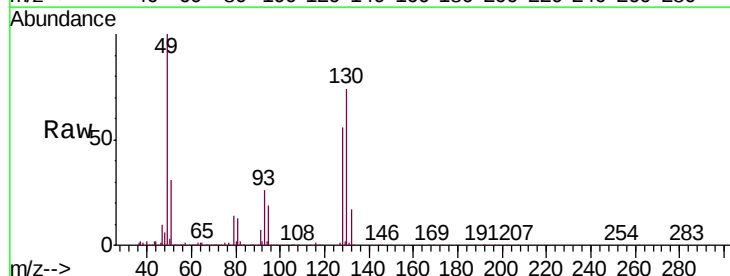
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



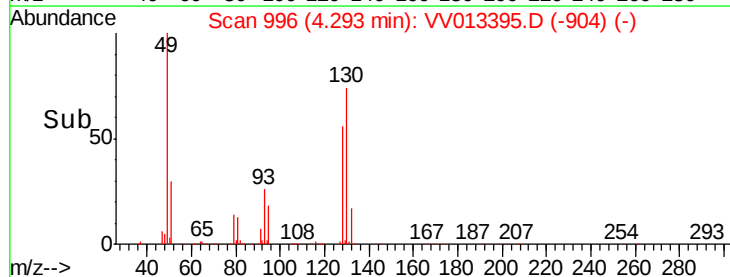
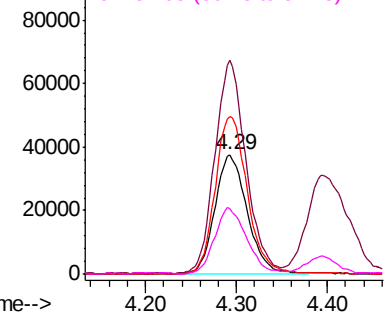
#23

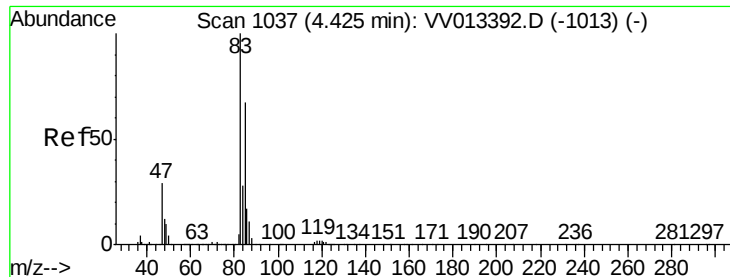
Bromochloromethane
Concen: 4.939 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV013395.D
Acq: 29 Oct 2019 14:43

Tgt Ion: 128 Resp: 93024
Ion Ratio Lower Upper
128 100
49 179.3 123.6 229.6
130 132.0 88.3 164.1
51 54.8 42.2 63.2



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

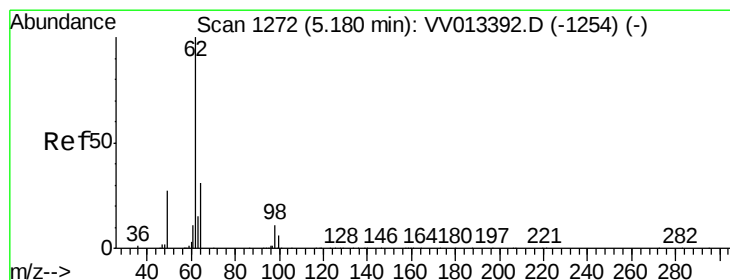
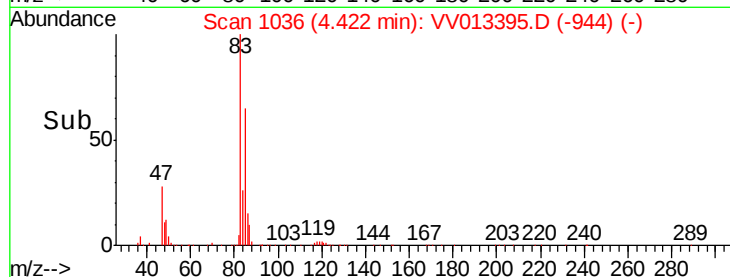
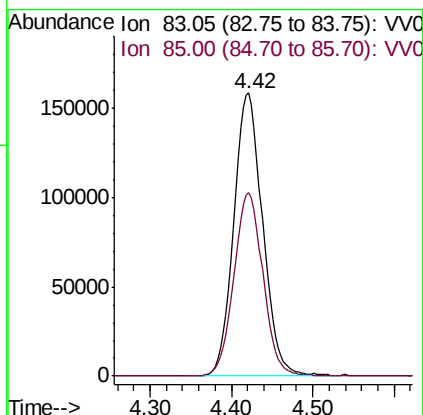
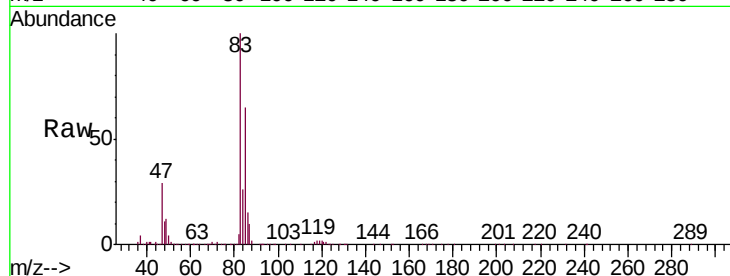




#25
Chloroform
Concen: 4.844 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV013395.D
Acq: 29 Oct 2019 14:43

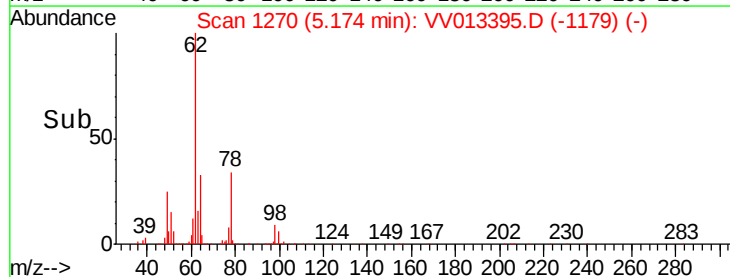
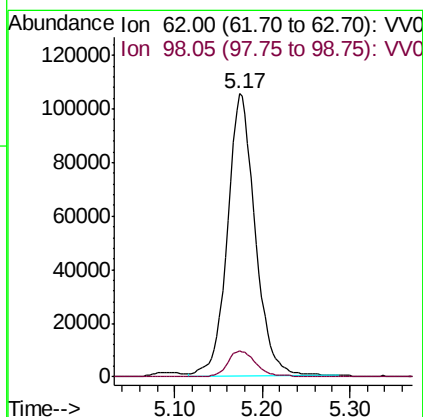
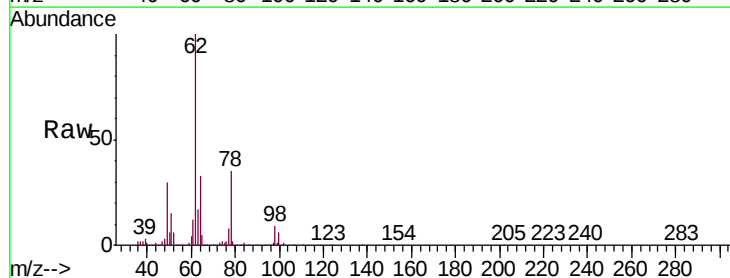
Instrument :
MSVOA_V
ClientSampleId :
VICV31

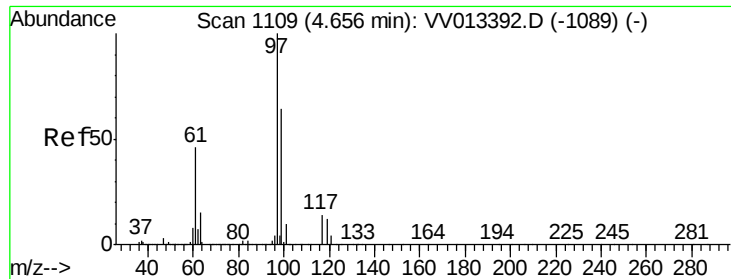
Tgt Ion: 83 Resp: 391129
Ion Ratio Lower Upper
83 100
85 64.7 46.5 86.5



#27
1,2-Dichloroethane
Concen: 5.214 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VV013395.D
Acq: 29 Oct 2019 14:43

Tgt Ion: 62 Resp: 232365
Ion Ratio Lower Upper
62 100
98 9.0 8.6 12.8

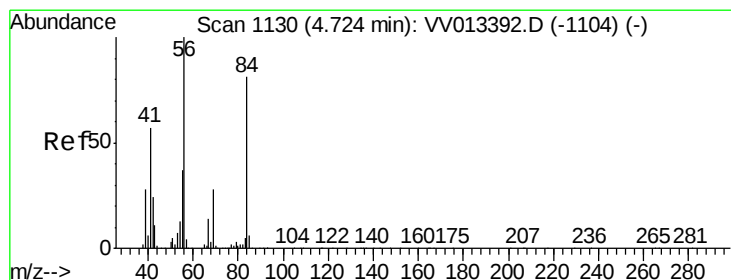
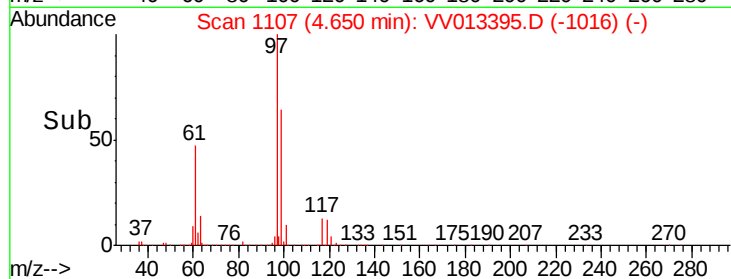
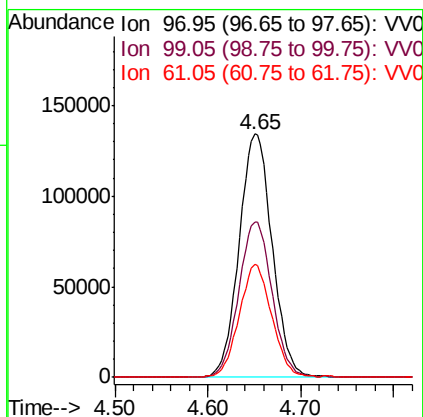
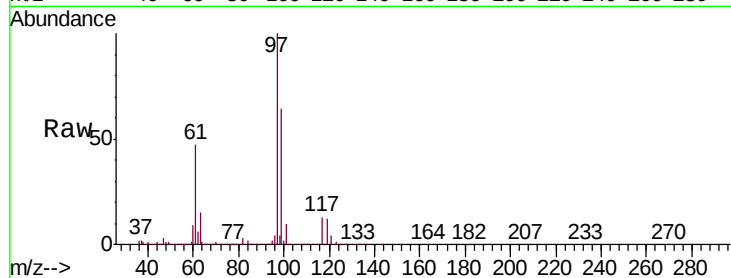




#29
 1,1,1-Trichloroethane
 Concen: 5.345 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. -0.01 min
 Lab File: VV013395.D
 Acq: 29 Oct 2019 14:43

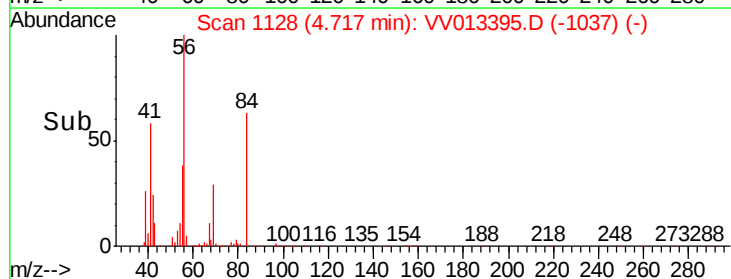
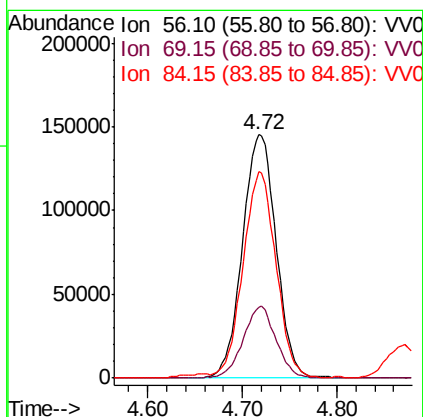
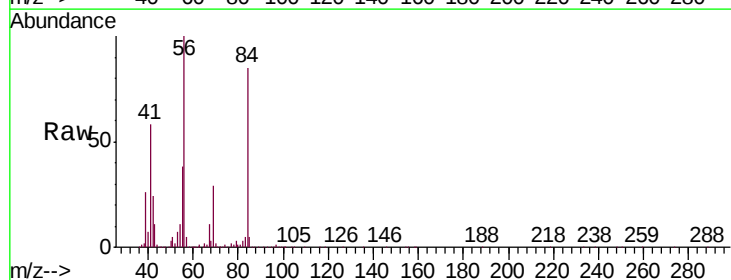
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV31

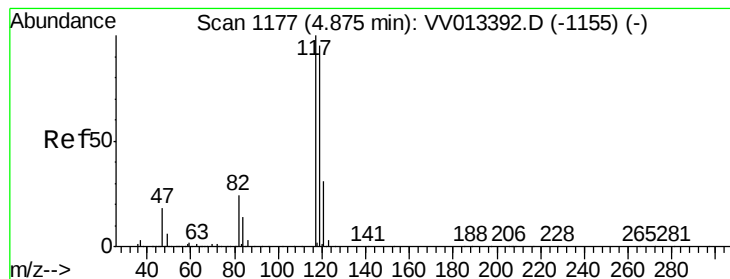
Tgt Ion: 97 Resp: 332554
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.3 76.9
 61 45.5 36.8 55.2



#30
 Cyclohexane
 Concen: 5.481 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: VV013395.D
 Acq: 29 Oct 2019 14:43

Tgt Ion: 56 Resp: 358189
 Ion Ratio Lower Upper
 56 100
 69 28.8 22.7 34.1
 84 83.1 65.5 98.3





#31

Carbon tetrachloride

Concen: 5.246 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

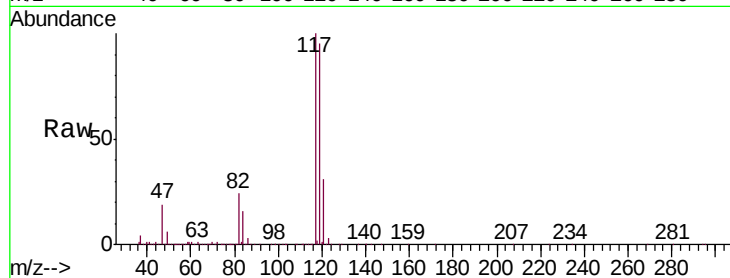
VICV31

Tgt Ion:117 Resp: 296311

Ion Ratio Lower Upper

117 100

119 95.9 76.7 115.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

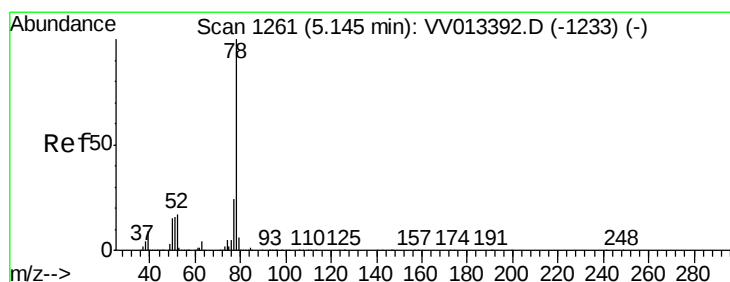
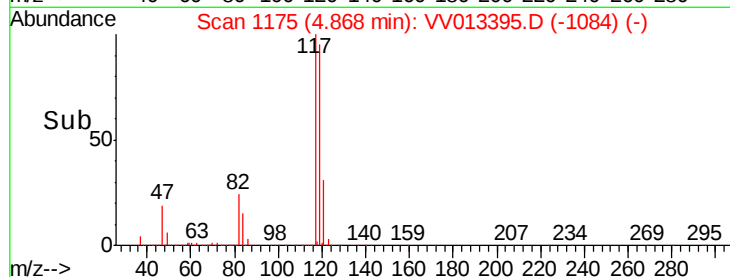
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 5.322 ug/L

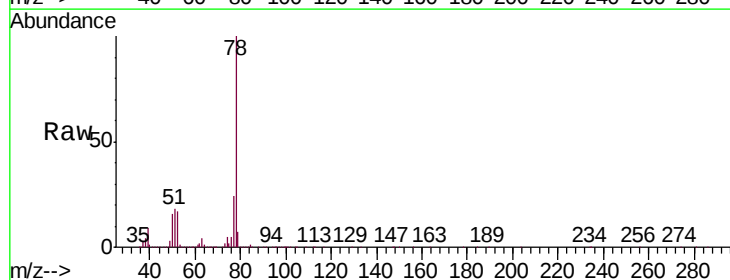
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

Tgt Ion: 78 Resp: 835574



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

400000

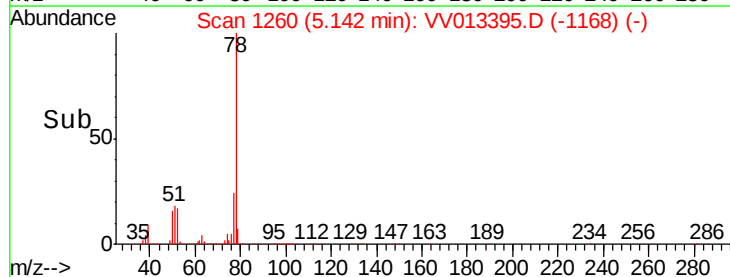
300000

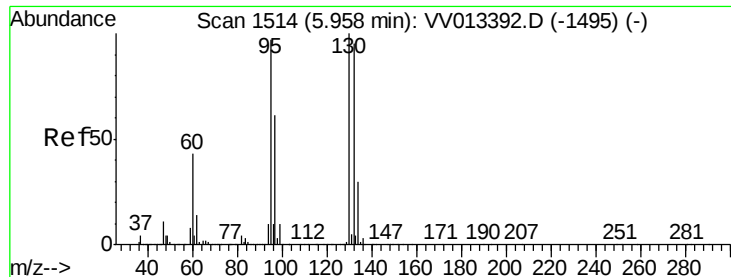
200000

100000

0

Time-->

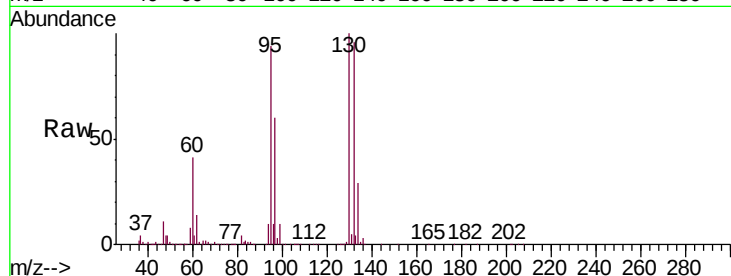




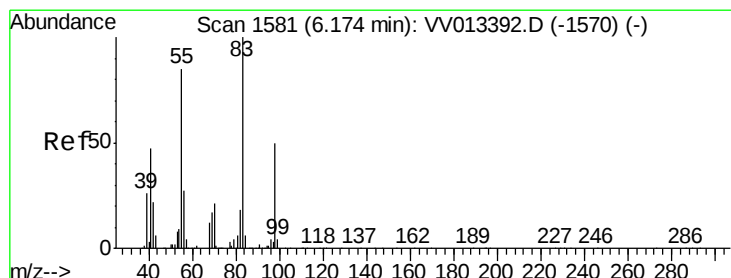
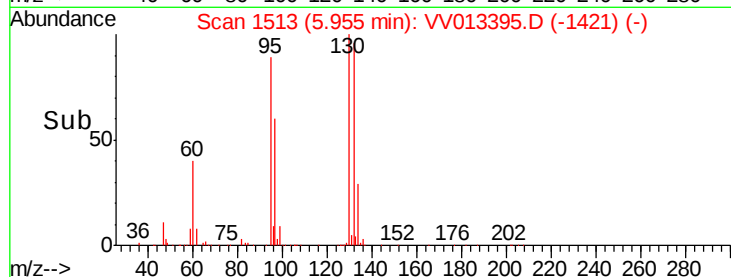
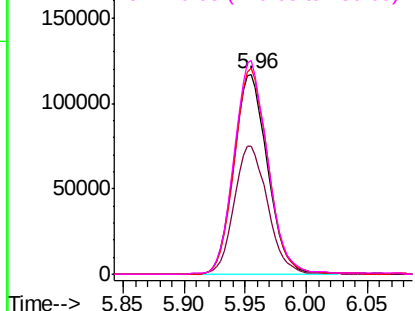
#34
 Trichloroethene
 Concen: 5.217 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV013395.D
 Acq: 29 Oct 2019 14:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV31

Tgt Ion:	95	Resp:	224854
Ion	Ratio	Lower	Upper
95	100		
97	64.0	43.9	81.5
132	103.0	68.7	127.7
130	106.9	72.1	133.9

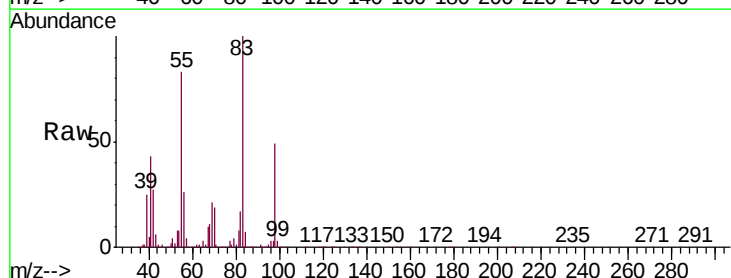


Abundance Ion 95.00 (94.70 to 95.70): VV013395.D (-1421) (-)
 Ion 96.95 (96.65 to 97.65): VV013395.D (-1421) (-)
 Ion 131.95 (131.65 to 132.65): VV013395.D (-1421) (-)
 Ion 129.95 (129.65 to 130.65): VV013395.D (-1421) (-)

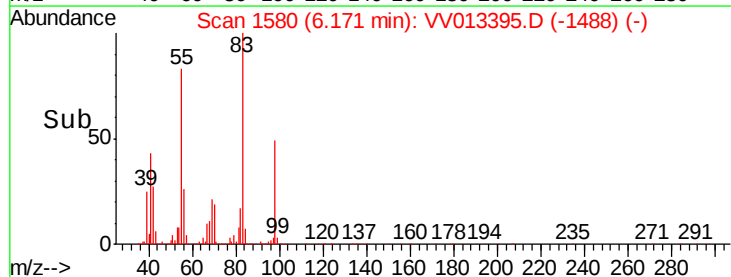
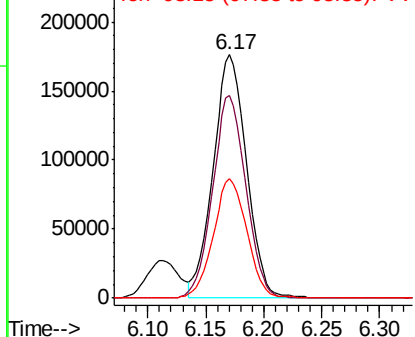


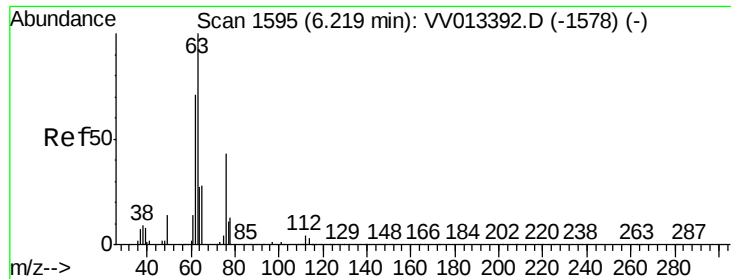
#35
 Methylcyclohexane
 Concen: 5.494 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VV013395.D
 Acq: 29 Oct 2019 14:43

Tgt Ion:	83	Resp:	353188
Ion	Ratio	Lower	Upper
83	100		
55	82.5	66.0	99.0
98	49.2	38.2	57.4



Abundance Ion 83.15 (82.85 to 83.85): VV013395.D (-1488) (-)
 Ion 55.10 (54.80 to 55.80): VV013395.D (-1488) (-)
 Ion 98.15 (97.85 to 98.85): VV013395.D (-1488) (-)

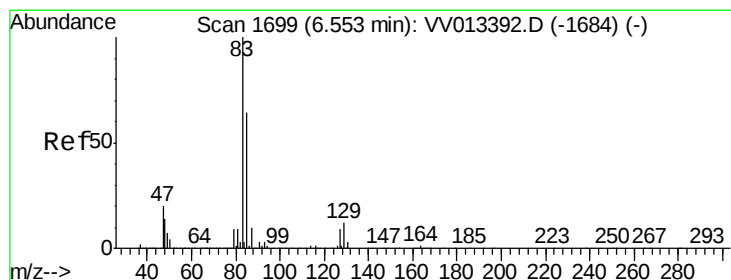
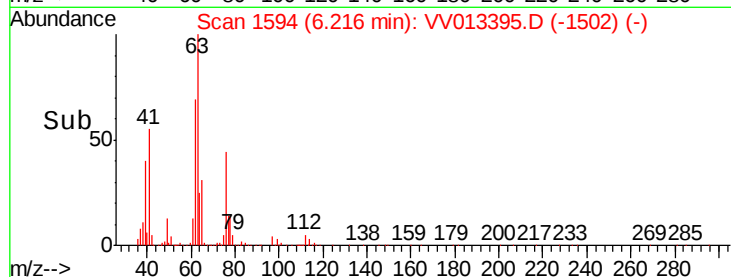
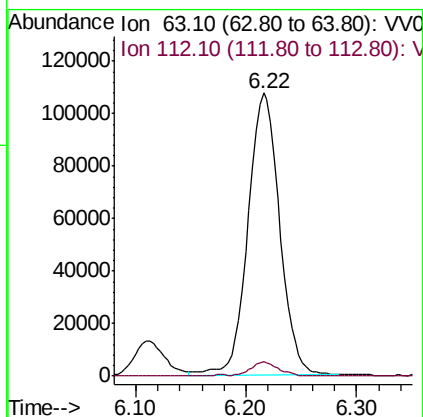
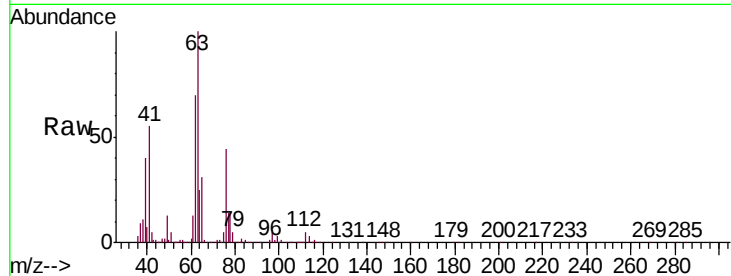




#37
 1,2-Dichloropropane
 Concen: 5.386 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV013395.D
 Acq: 29 Oct 2019 14:43

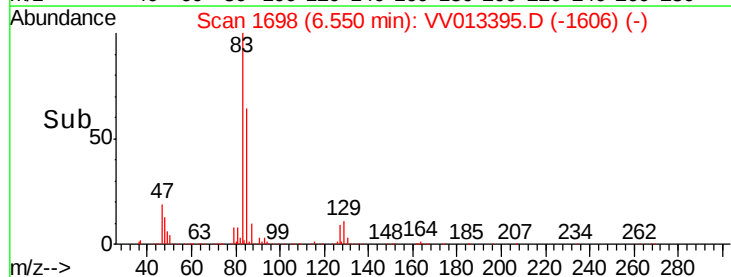
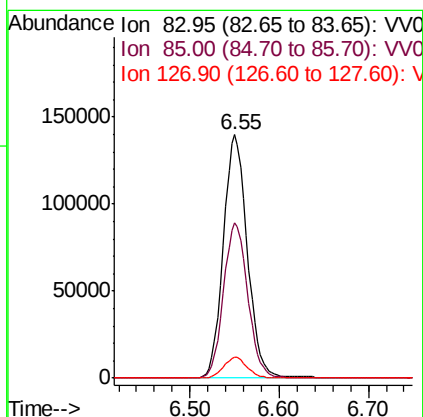
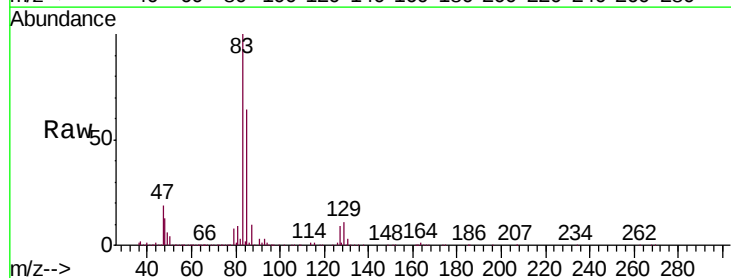
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV31

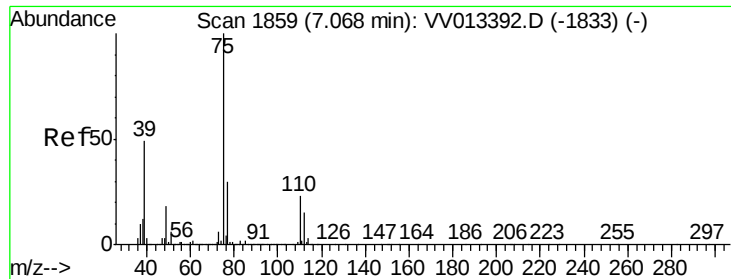
Tgt Ion: 63 Resp: 213780
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.241 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV013395.D
 Acq: 29 Oct 2019 14:43

Tgt Ion: 83 Resp: 261020
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.1 83.7
 127 8.6 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 5.425 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

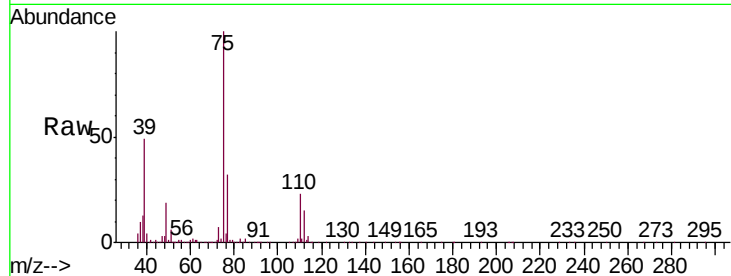
VICV31

Tgt Ion: 75 Resp: 290916

Ion Ratio Lower Upper

75 100

77 32.2 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.07

150000

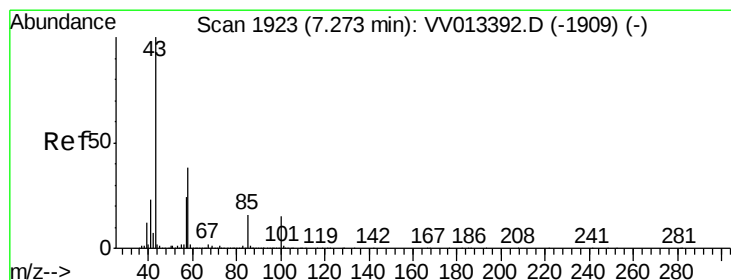
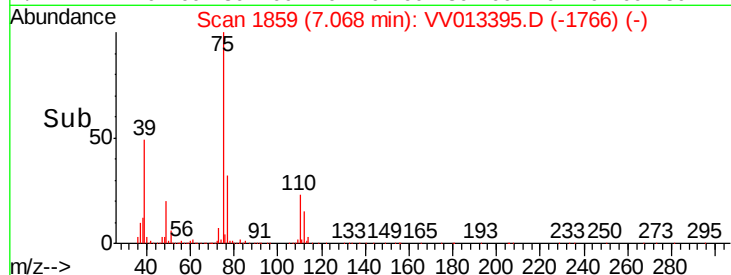
100000

50000

0

Time-->

7.00 7.10 7.20



#40

4-Methyl-2-pentanone

Concen: 56.538 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

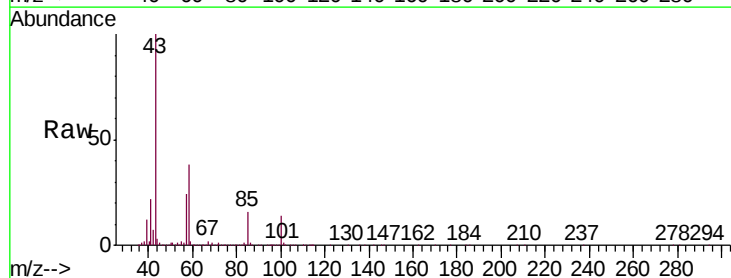
Tgt Ion: 43 Resp: 1263531

Ion Ratio Lower Upper

43 100

58 37.7 29.8 44.8

100 14.2 11.6 17.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0

7.27

800000

600000

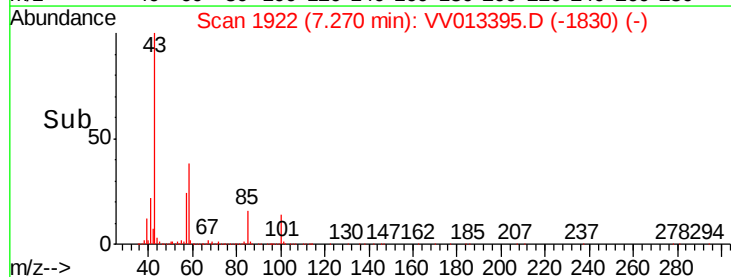
400000

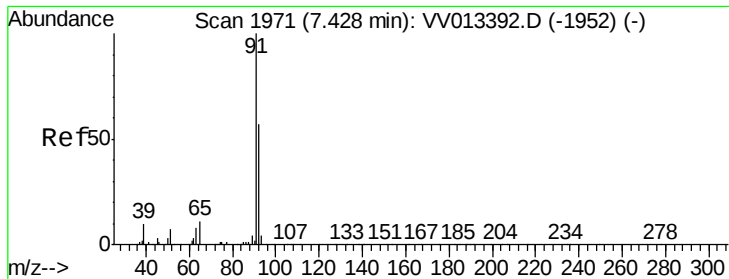
200000

0

Time-->

7.20 7.30 7.40





#42

Toluene

Concen: 5.494 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

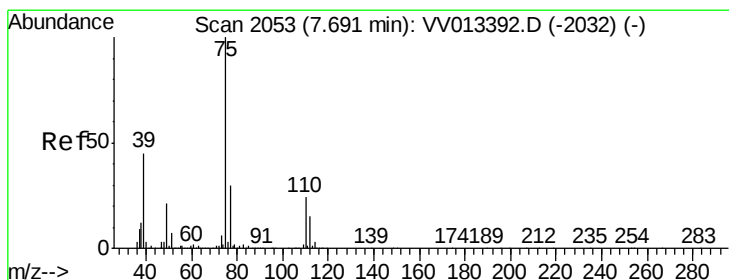
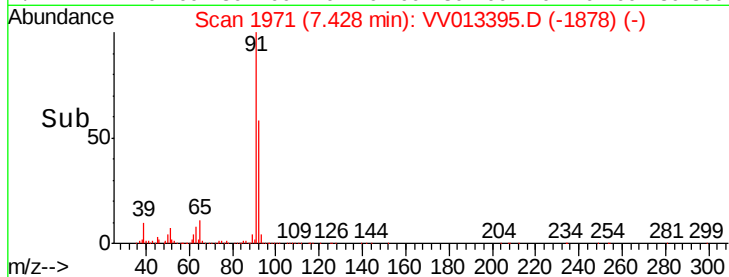
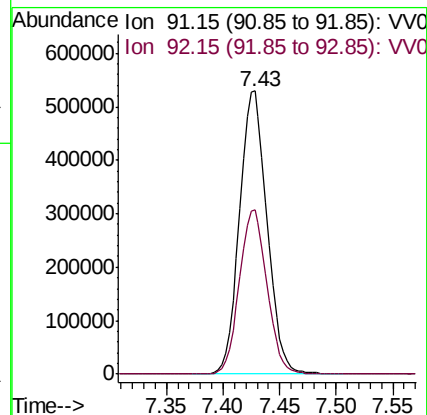
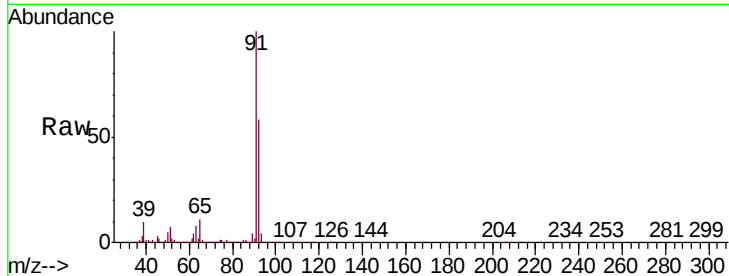
VICV31

Tgt Ion: 91 Resp: 899435

Ion Ratio Lower Upper

91 100

92 58.0 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 5.449 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013395.D

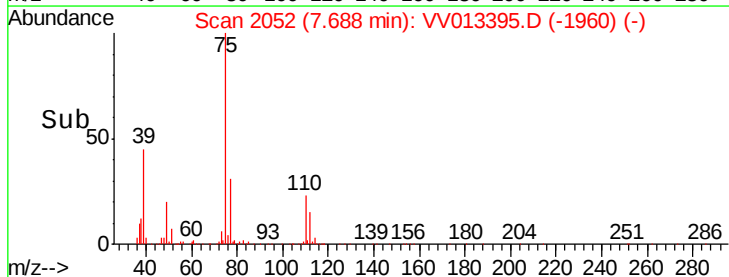
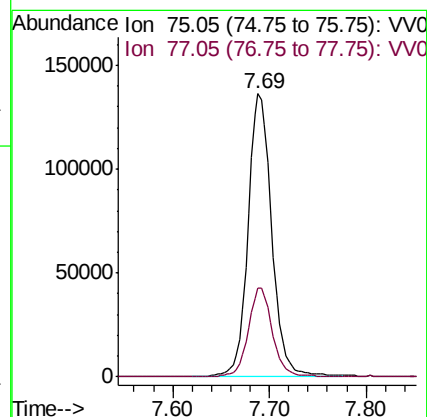
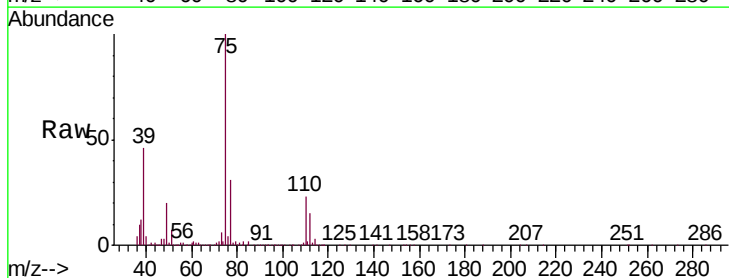
Acq: 29 Oct 2019 14:43

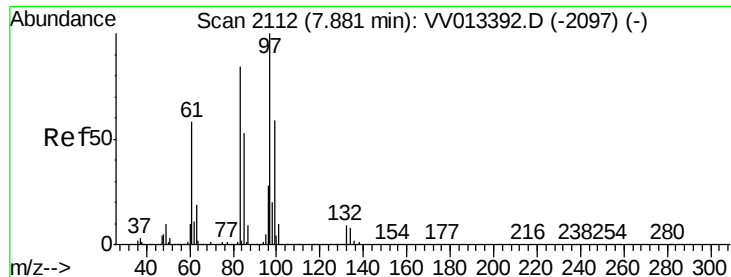
Tgt Ion: 75 Resp: 230951

Ion Ratio Lower Upper

75 100

77 31.2 21.5 39.9

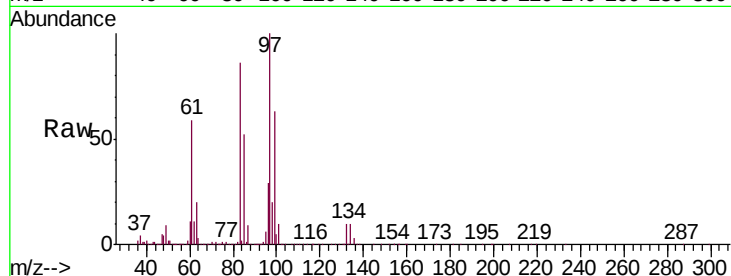




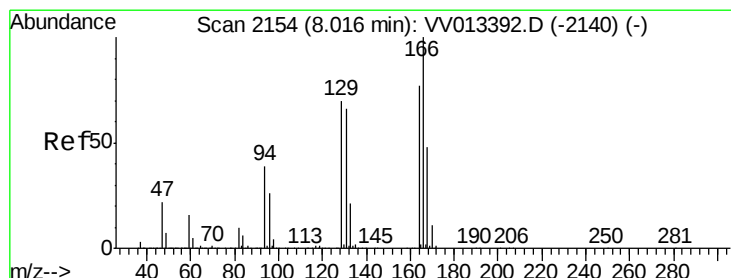
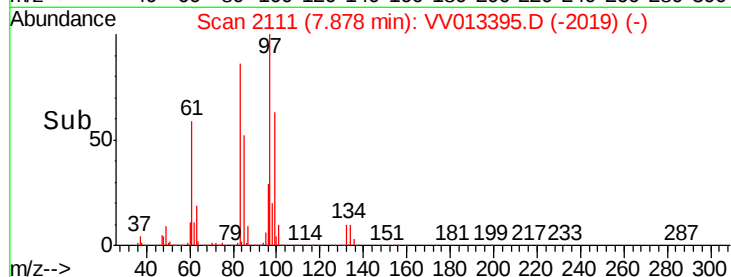
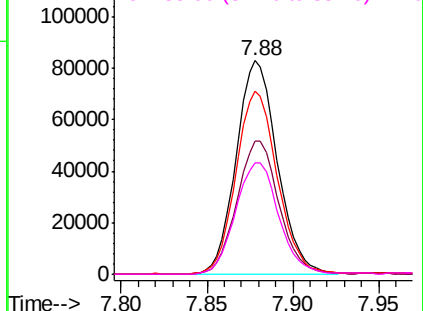
#45
 1,1,2-Trichloroethane
 Concen: 5.207 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV013395.D
 Acq: 29 Oct 2019 14:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV31

Tgt Ion:	97	Resp:	137589
Ion	Ratio	Lower	Upper
97	100		
99	62.6	41.6	77.3
83	85.9	58.7	109.1
85	52.0	37.5	69.7

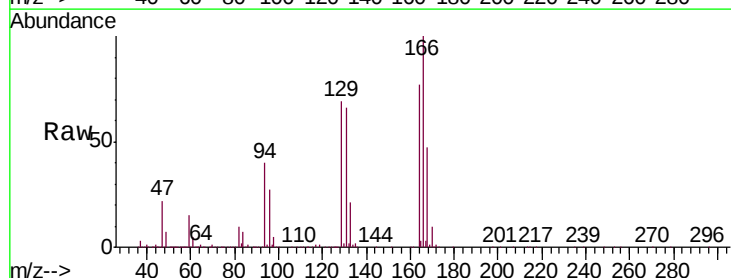


Abundance Ion 96.95 (96.65 to 97.65): VV013395.D (-2019) (-)
 Ion 99.05 (98.75 to 99.75): VV013395.D (-2019) (-)
 Ion 82.95 (82.65 to 83.65): VV013395.D (-2019) (-)
 Ion 85.00 (84.70 to 85.70): VV013395.D (-2019) (-)

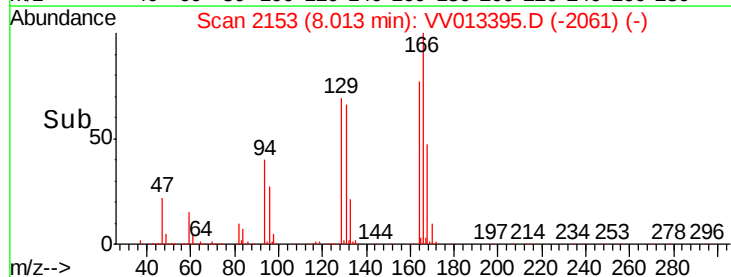
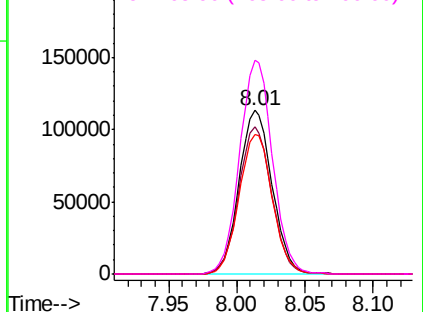


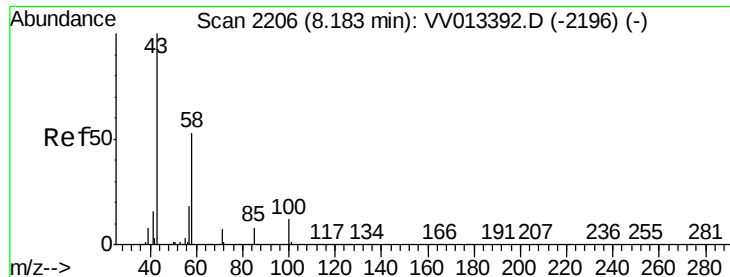
#47
 Tetrachloroethene
 Concen: 5.226 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV013395.D
 Acq: 29 Oct 2019 14:43

Tgt Ion:	164	Resp:	190834
Ion	Ratio	Lower	Upper
164	100		
129	90.3	63.4	117.8
131	85.7	60.3	112.1
166	130.6	90.8	168.6



Abundance Ion 163.90 (163.60 to 164.60): VV013395.D (-2061) (-)
 Ion 128.95 (128.65 to 129.65): VV013395.D (-2061) (-)
 Ion 130.95 (130.65 to 131.65): VV013395.D (-2061) (-)
 Ion 165.90 (165.60 to 166.60): VV013395.D (-2061) (-)

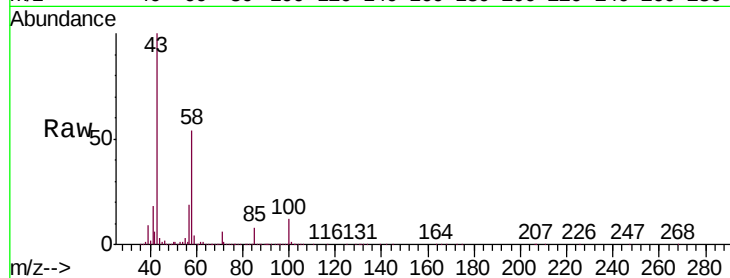




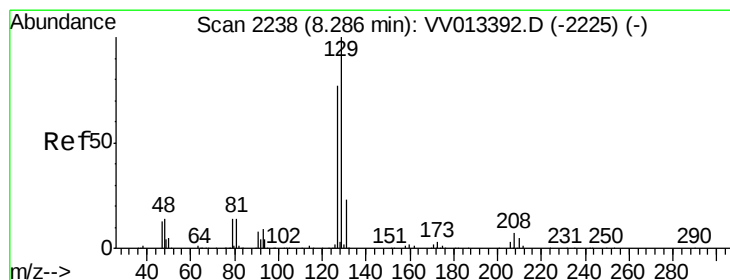
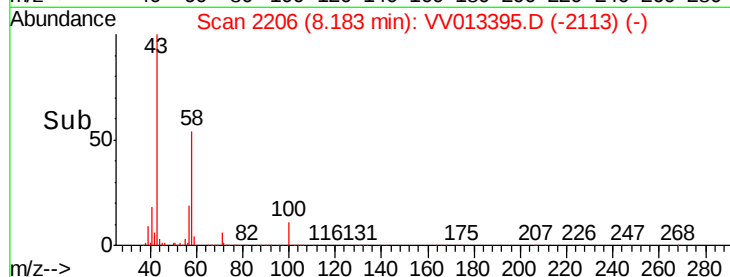
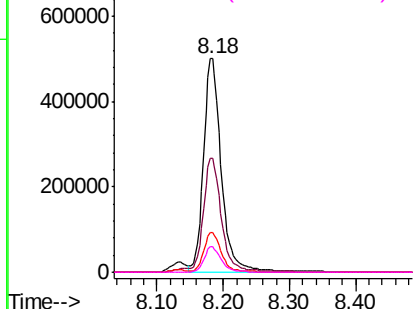
#48
2-Hexanone
Concen: 58.682 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013395.D
Acq: 29 Oct 2019 14:43

Instrument :
MSVOA_V
ClientSampleId :
VICV31

Tgt Ion:	43	Resp:	927276
Ion	Ratio	Lower	Upper
43	100		
58	53.0	43.5	65.3
57	18.3	14.3	21.5
100	11.3	9.3	13.9

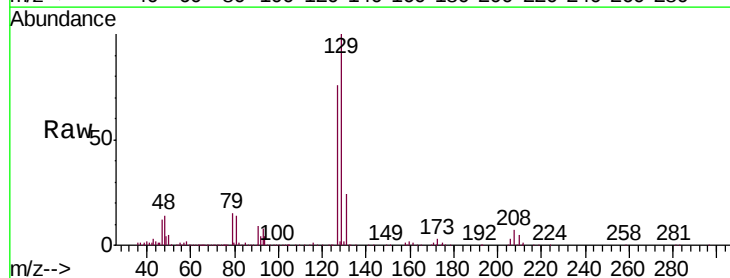


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

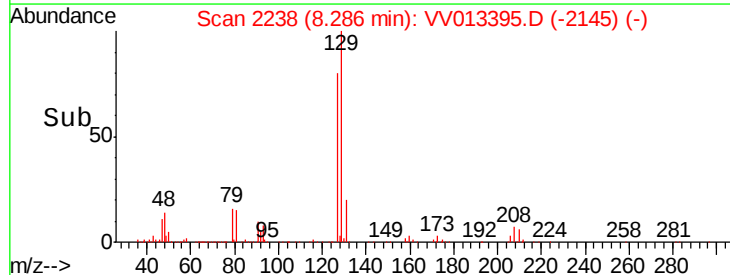
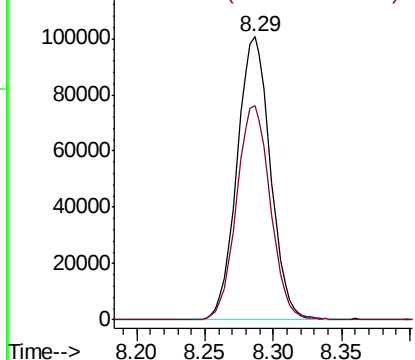


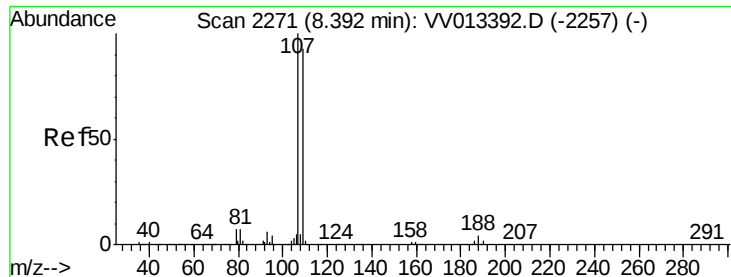
#49
Dibromochloromethane
Concen: 5.241 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013395.D
Acq: 29 Oct 2019 14:43

Tgt Ion:	129	Resp:	171313
Ion	Ratio	Lower	Upper
129	100		
127	75.9	53.8	100.0



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

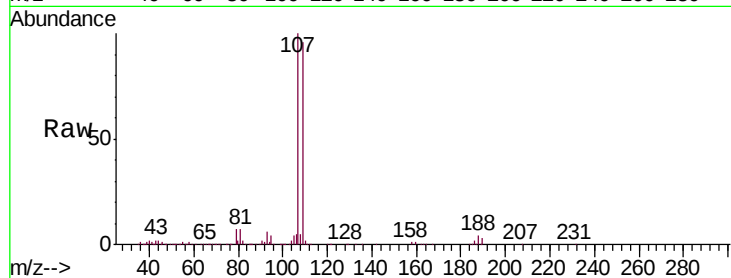




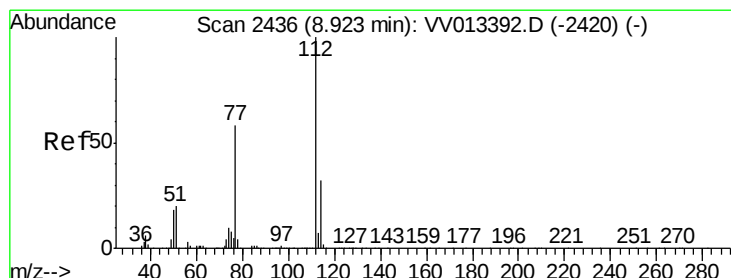
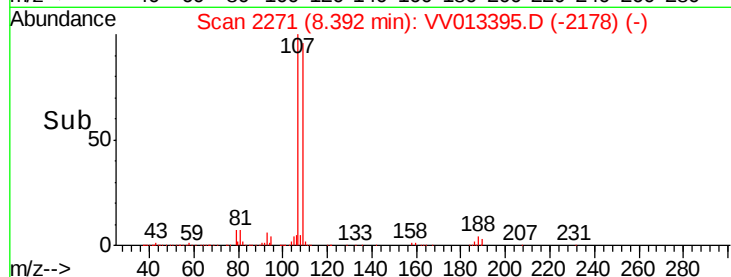
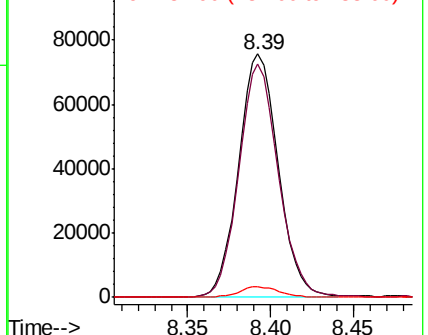
#50
1,2-Dibromoethane
Concen: 5.190 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV013395.D
Acq: 29 Oct 2019 14:43

Instrument :
MSVOA_V
ClientSampleId :
VICV31

Tgt Ion:107 Resp: 125879
Ion Ratio Lower Upper
107 100
109 95.8 65.1 120.9
188 4.2 3.5 5.3

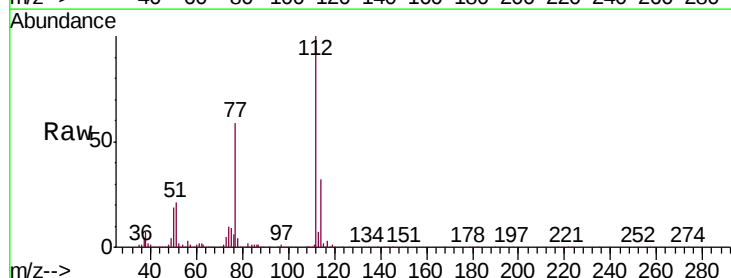


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

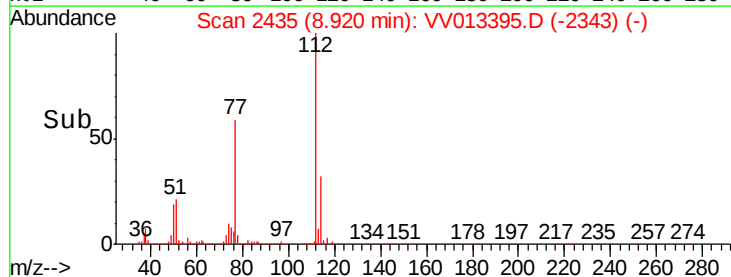
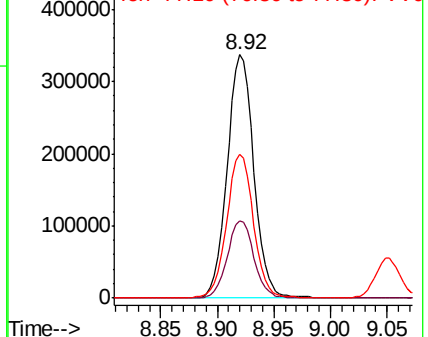


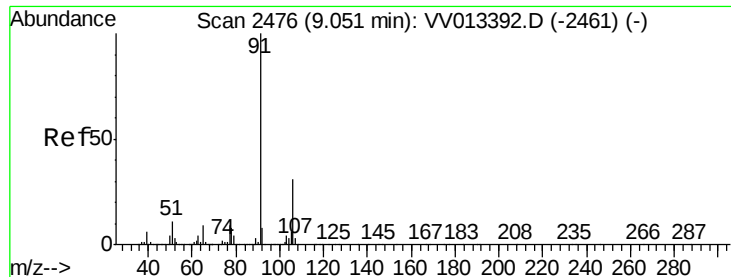
#51
Chlorobenzene
Concen: 5.223 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV013395.D
Acq: 29 Oct 2019 14:43

Tgt Ion:112 Resp: 551831
Ion Ratio Lower Upper
112 100
114 32.0 22.2 41.2
77 59.3 46.7 70.1



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: 5.472 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

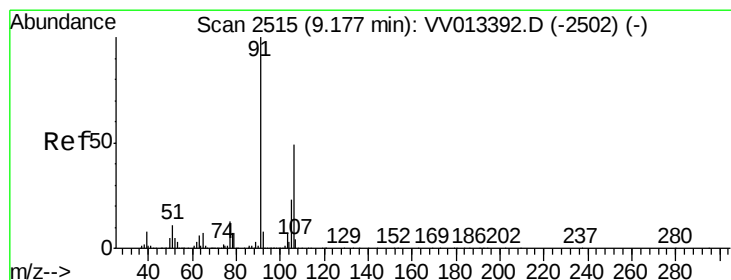
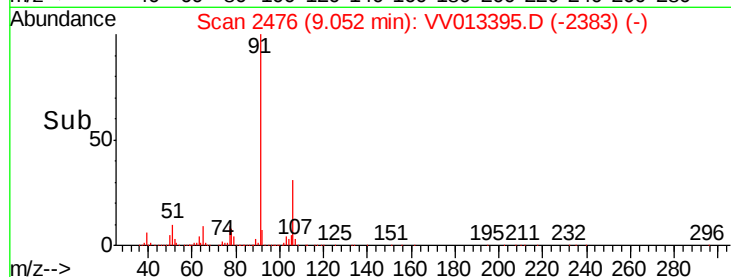
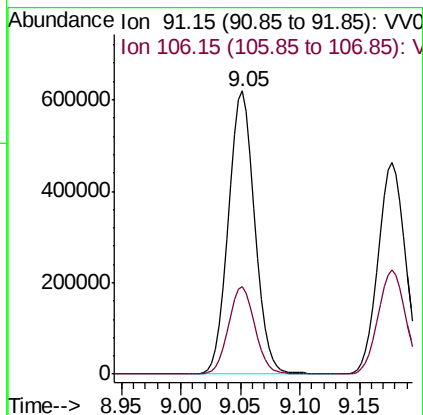
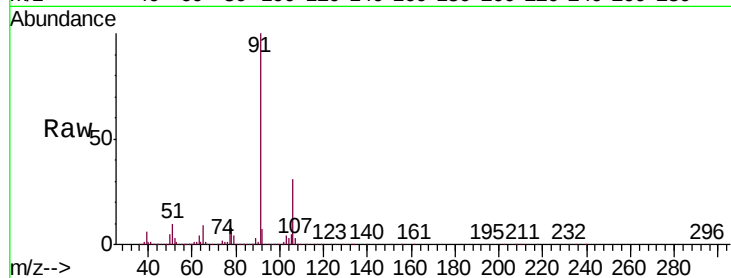
VICV31

Tgt Ion: 91 Resp: 949713

Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



#53

m,p-xylene

Concen: 5.738 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013395.D

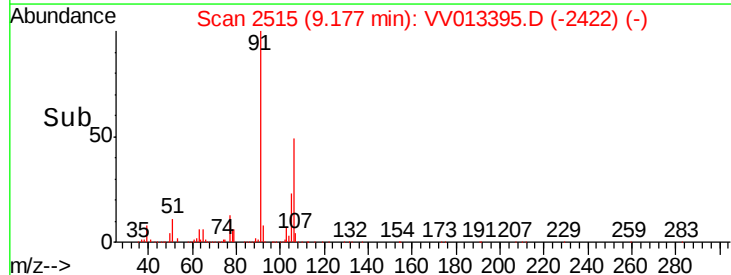
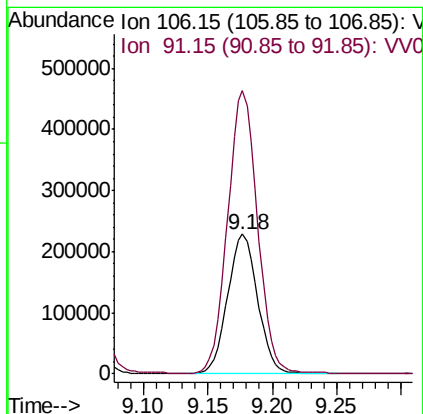
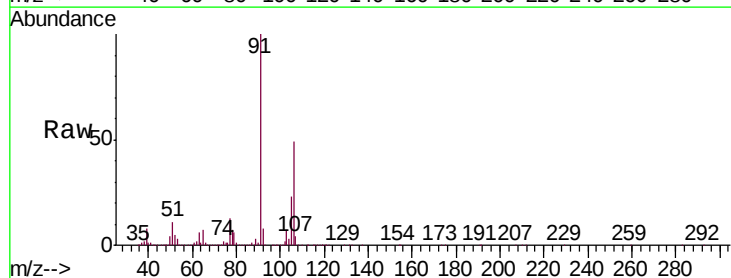
Acq: 29 Oct 2019 14:43

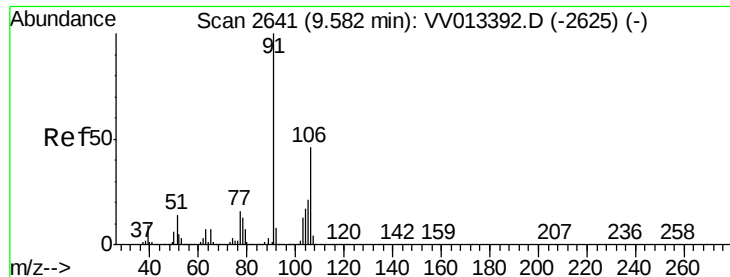
Tgt Ion: 106 Resp: 367823

Ion Ratio Lower Upper

106 100

91 202.8 144.3 267.9





#54

o-xylene

Concen: 5.601 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

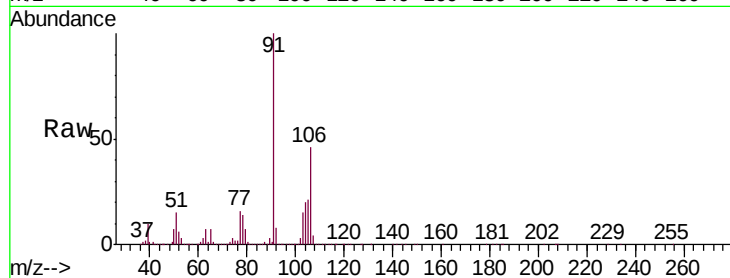
VICV31

Tgt Ion:106 Resp: 347341

Ion Ratio Lower Upper

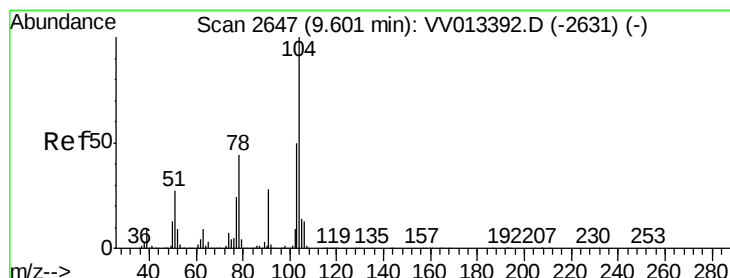
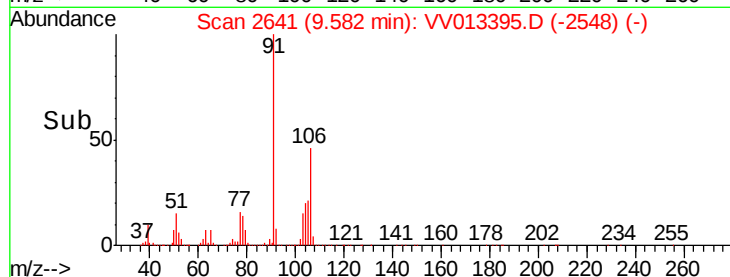
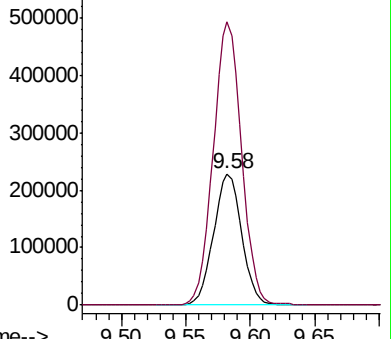
106 100

91 215.8 151.5 281.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.753 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV013395.D

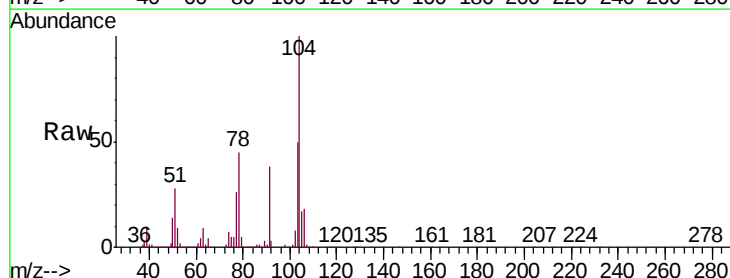
Acq: 29 Oct 2019 14:43

Tgt Ion:104 Resp: 601112

Ion Ratio Lower Upper

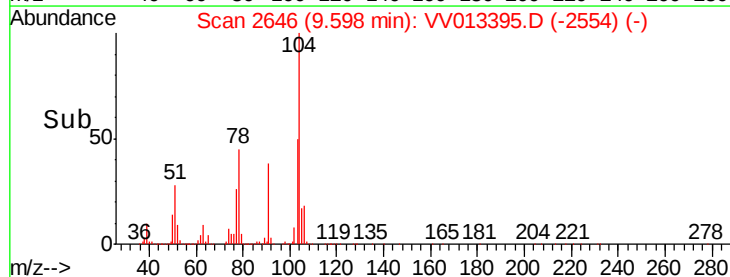
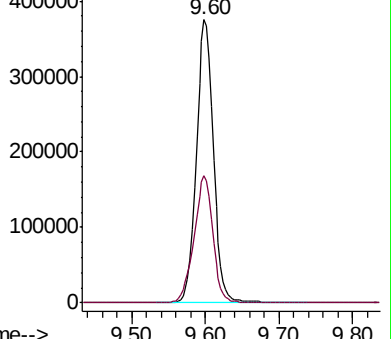
104 100

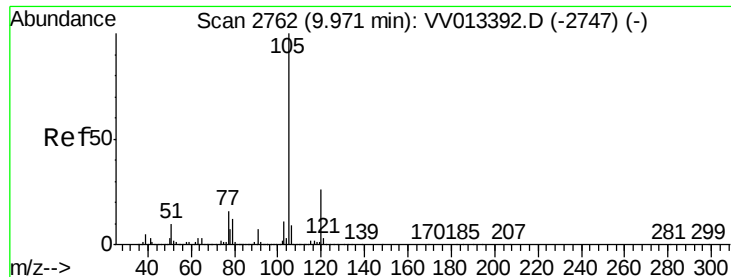
78 45.0 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.735 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

VICV31

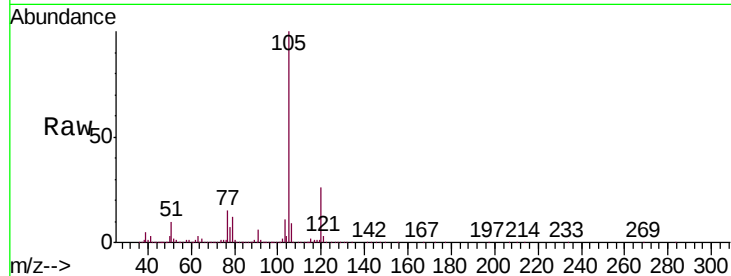
Tgt Ion: 105 Resp: 957410

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.6

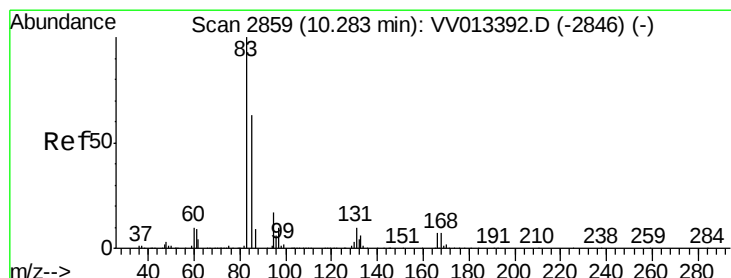
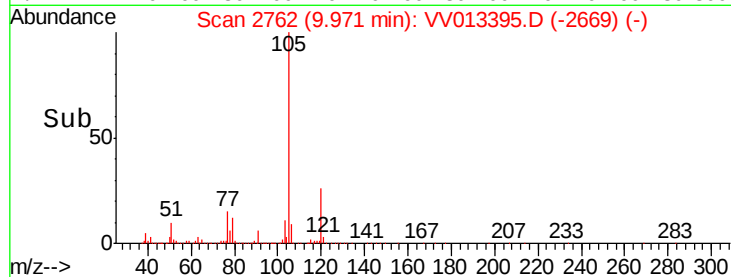
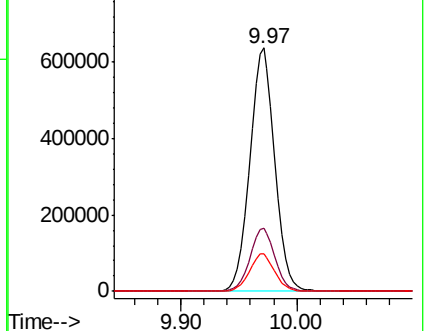
77 15.4 12.9 19.3



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: 5.124 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

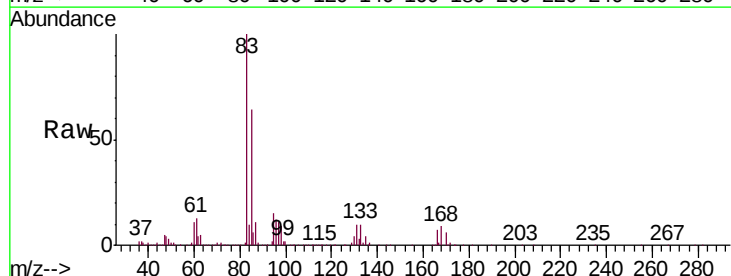
Tgt Ion: 83 Resp: 143634

Ion Ratio Lower Upper

83 100

85 63.5 44.5 82.7

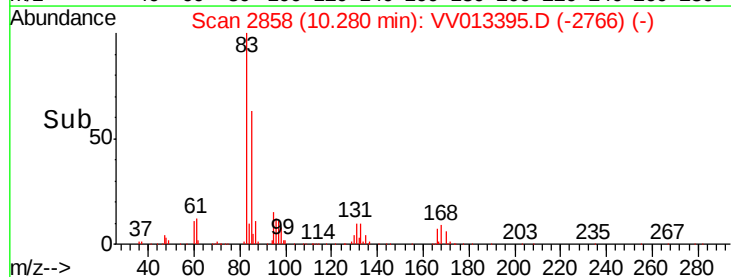
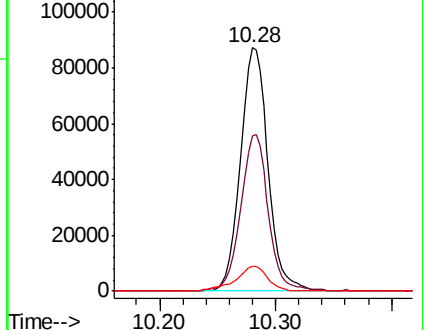
131 10.3 8.2 12.2

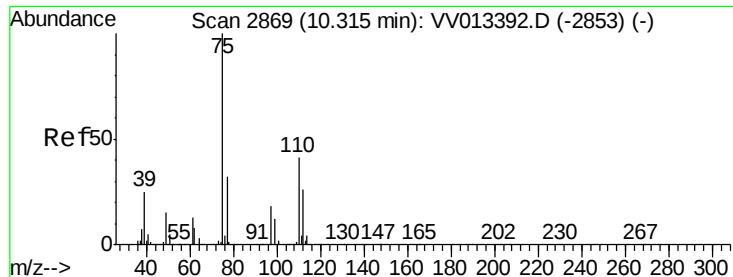


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.240 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

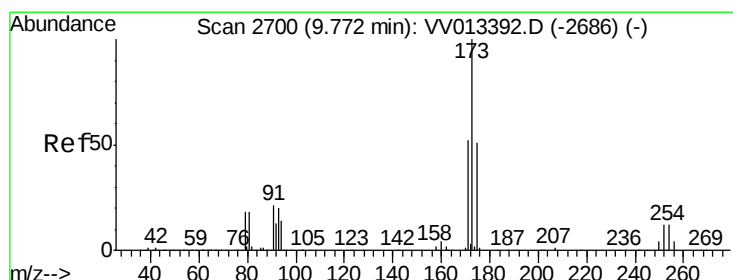
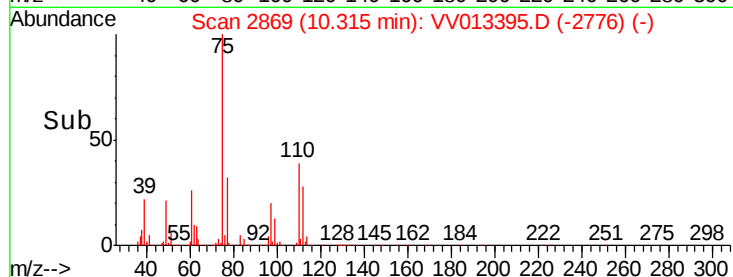
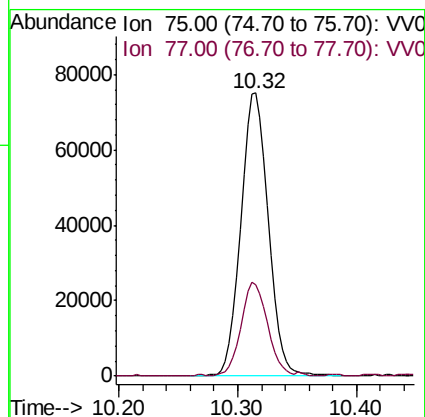
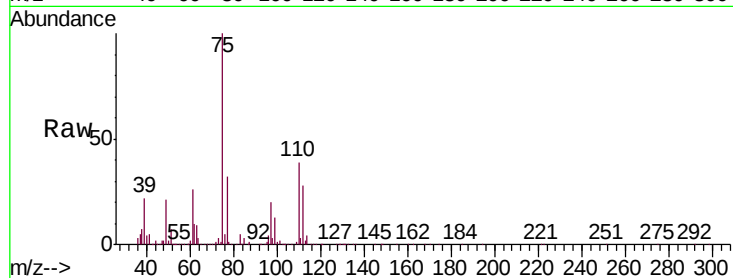
VICV31

Tgt Ion: 75 Resp: 119687

Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5



#61

Bromoform

Concen: 5.270 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

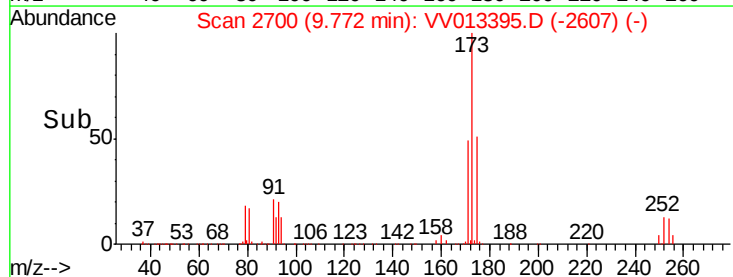
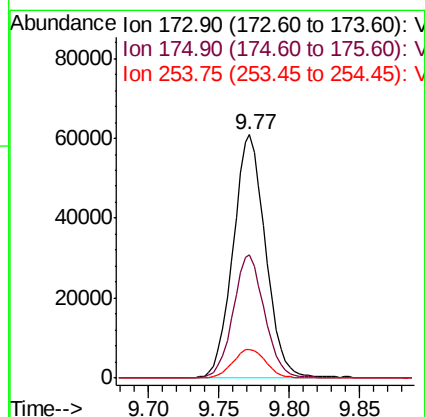
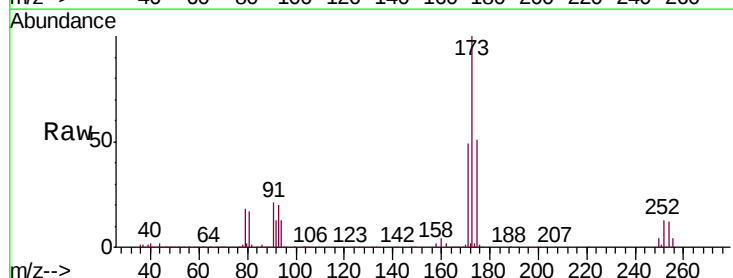
Tgt Ion: 173 Resp: 98195

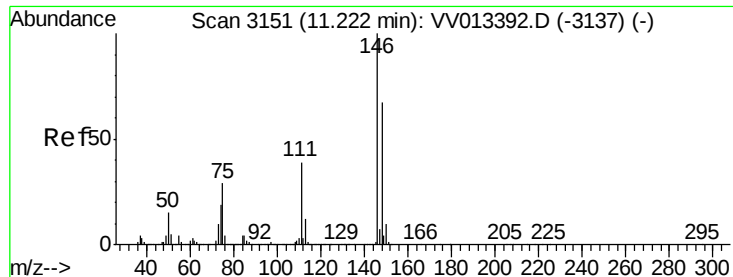
Ion Ratio Lower Upper

173 100

175 49.2 39.8 59.8

254 12.2 9.8 14.6





#62

1,3-Dichlorobenzene

Concen: 5.302 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

VICV31

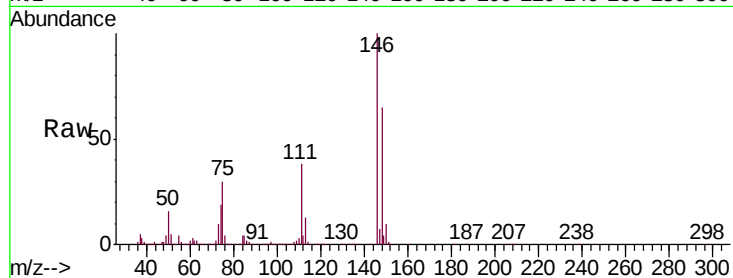
Tgt Ion:146 Resp: 454311

Ion Ratio Lower Upper

146 100

111 38.4 27.2 50.4

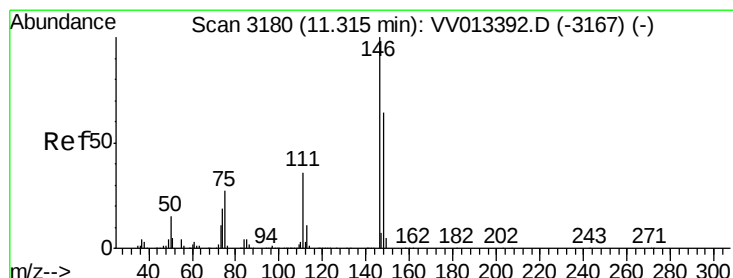
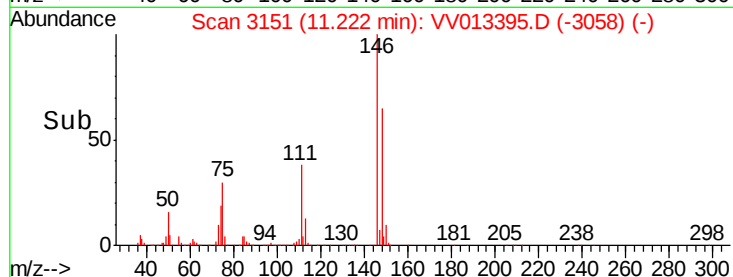
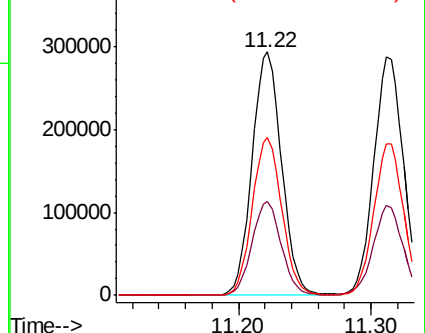
148 64.9 46.6 86.6



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: 5.192 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

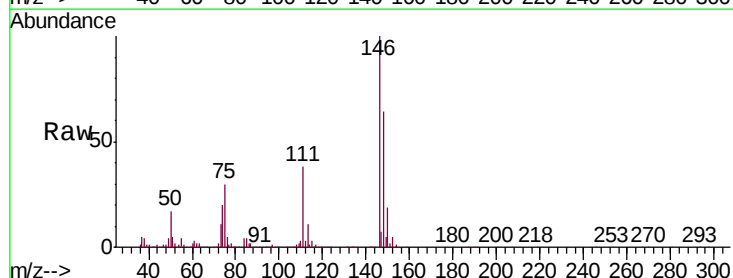
Tgt Ion:146 Resp: 446179

Ion Ratio Lower Upper

146 100

111 37.6 25.4 47.2

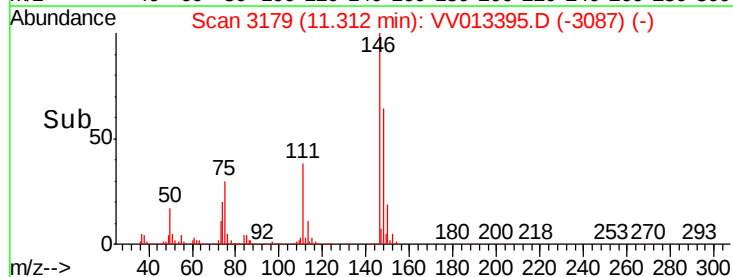
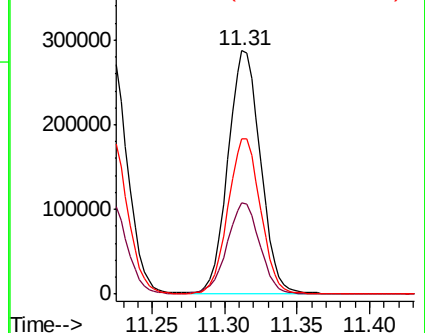
148 63.9 44.9 83.5

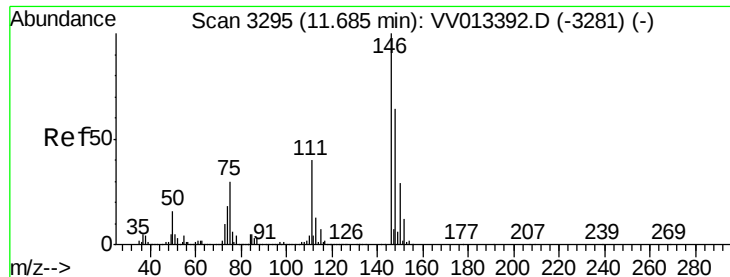


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.290 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

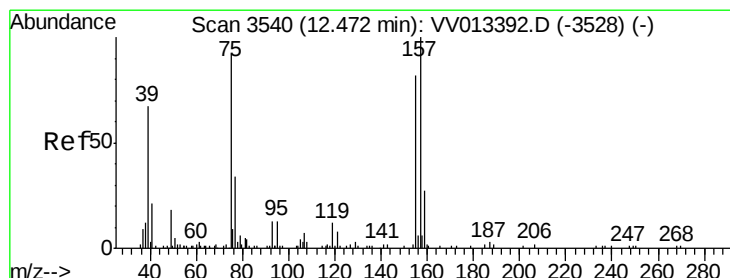
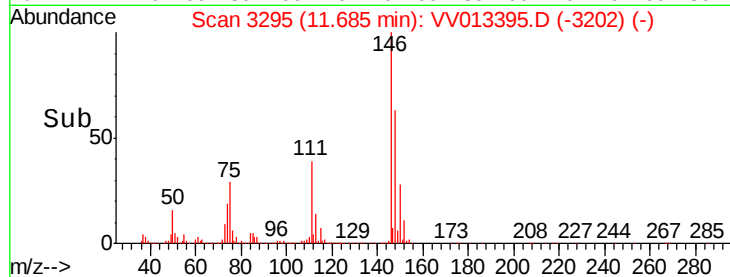
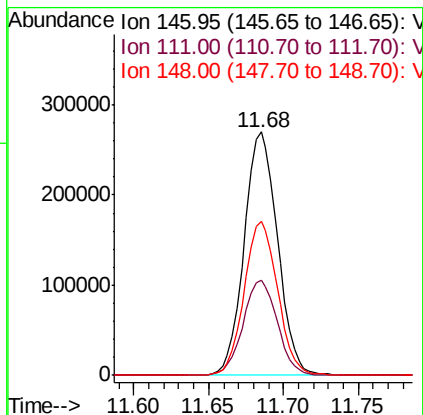
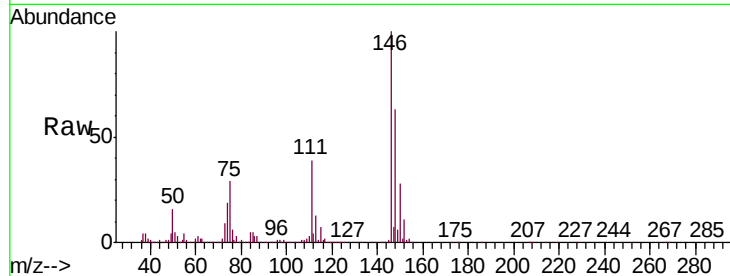
Instrument :

MSVOA_V

ClientSampleId :

VICV31

Tgt Ion:	146	Resp:	419677
Ion	Ratio	Lower	Upper
146	100		
111	39.2	31.9	47.9
148	63.3	51.3	76.9



#66

1,2-Dibromo-3-chloropropane

Concen: 4.868 ug/L

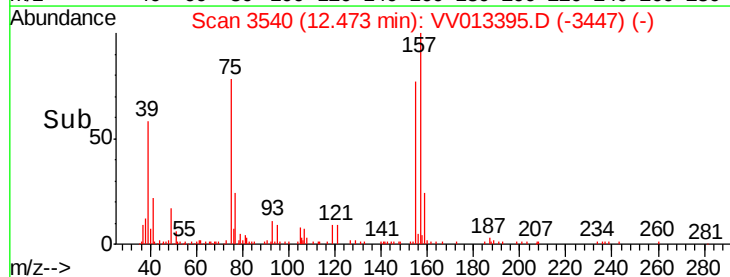
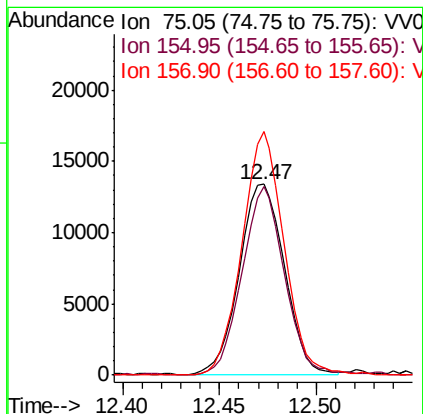
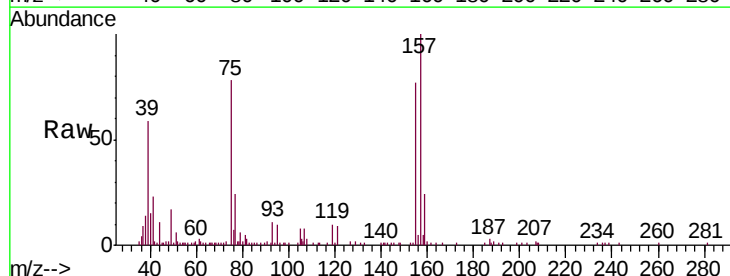
RT: 12.47 min Scan# 3540

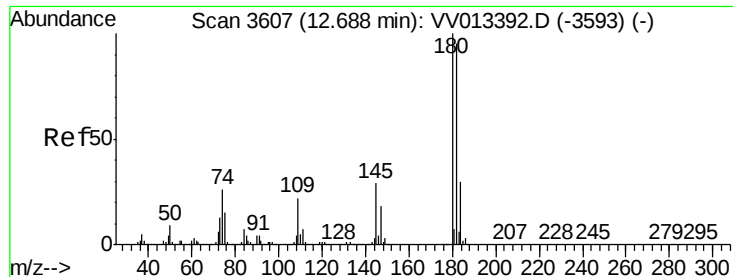
Delta R.T. 0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

Tgt Ion:	75	Resp:	21929
Ion	Ratio	Lower	Upper
75	100		
155	98.8	70.6	105.8
157	127.8	85.8	128.8

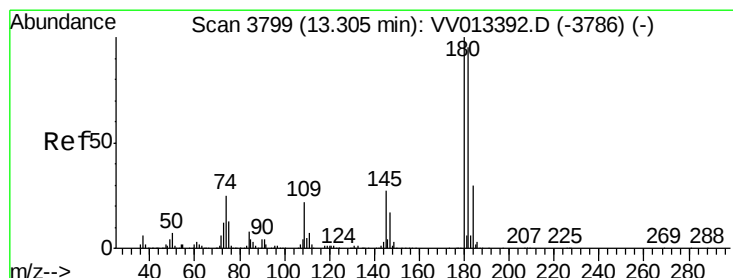
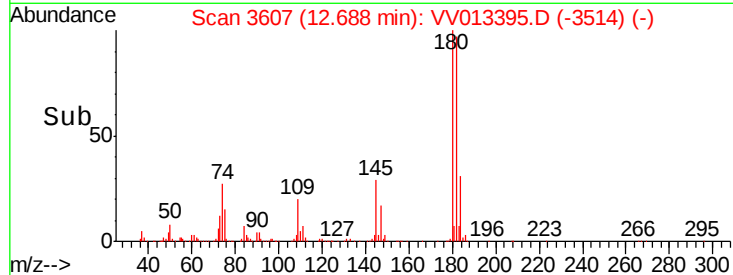
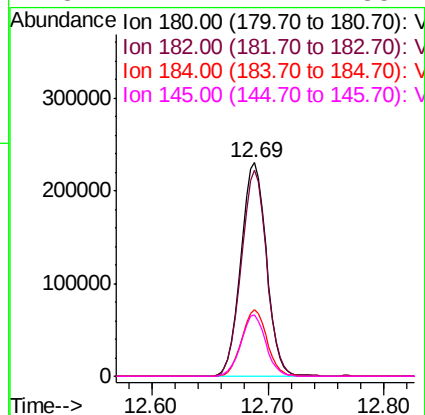
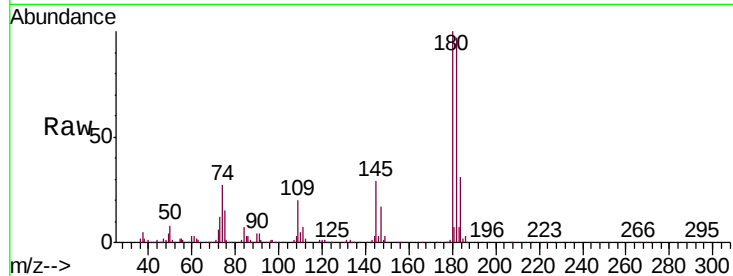




#67
 1,3,5-Trichlorobenzene
 Concen: 5.115 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013395.D
 Acq: 29 Oct 2019 14:43

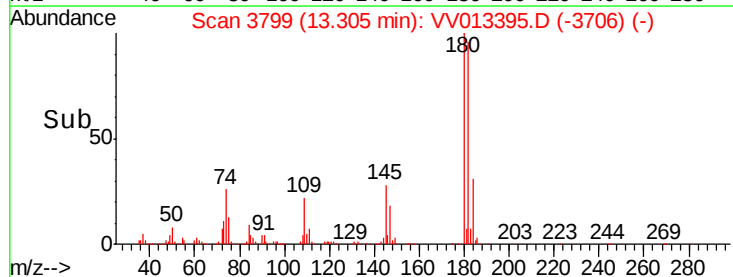
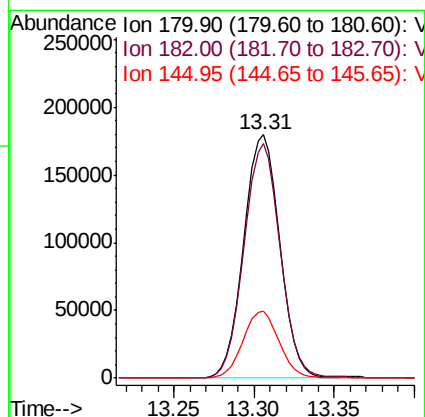
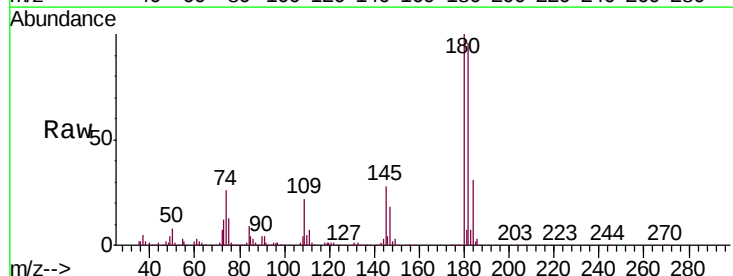
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV31

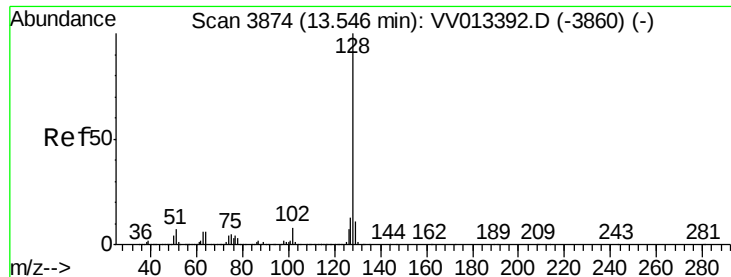
Tgt Ion:	180	Resp:	351383
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.4	114.6
184	30.8	24.6	36.8
145	27.7	22.2	33.2



#68
 1,2,4-trichlorobenzene
 Concen: 5.192 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013395.D
 Acq: 29 Oct 2019 14:43

Tgt Ion:	180	Resp:	276140
Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.2	114.4
145	27.5	22.5	33.7





#69

Naphthalene

Concen: 5.320 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

VICV31

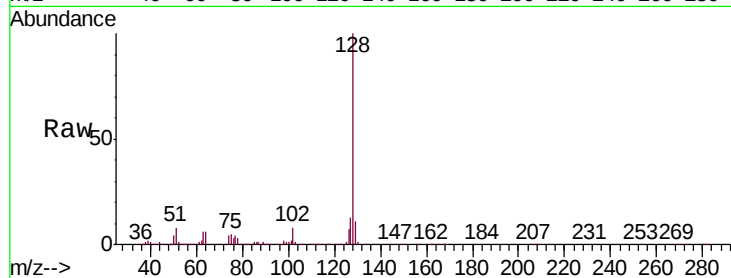
Tgt Ion:128 Resp: 387352

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

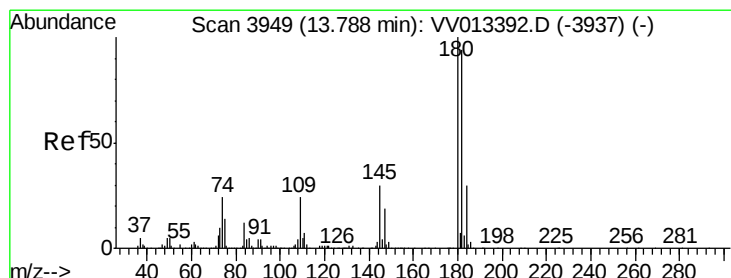
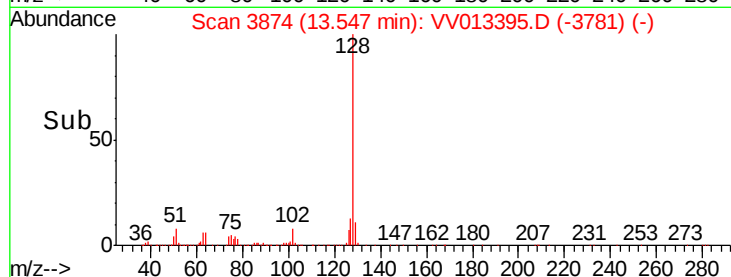
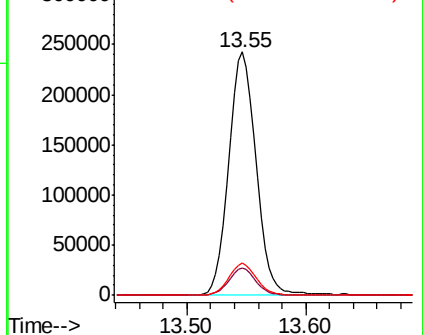
127 13.3 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.466 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013395.D

Acq: 29 Oct 2019 14:43

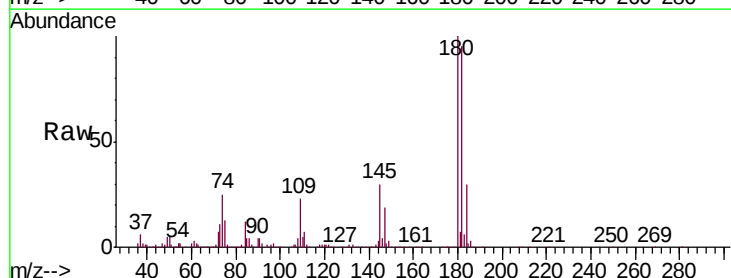
Tgt Ion:180 Resp: 264173

Ion Ratio Lower Upper

180 100

182 93.8 75.7 113.5

145 29.2 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

