

Data File : VV013086.D
Acq On : 10 Oct 2019 10:59
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02588

Quant Time: Oct 11 07:11:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 11 01:36:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	658987	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	644976	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	344432	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	204558	20.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.04%
7) Chloroethane-d5	1.58	69	177037	21.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.68%
10) 1,1-Dichloroethene-d2	2.13	63	395591	23.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.08%
20) 2-Butanone-d5	3.95	46	176796	50.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.16%
24) Chloroform-d	4.40	84	437043	24.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.56%
26) 1,2-Dichloroethane-d4	5.08	65	244310	23.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.88%
29) Benzene-d6	5.09	84	901567	25.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.16%
33) 1,2-Dichloropropane-d6	6.11	67	275100	24.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.48%
37) Toluene-d8	7.36	98	836923	25.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.40%
38) trans-1,3-Dichloropropene-	7.66	79	115517	24.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.68%
39) 2-Hexanone-d5	8.13	63	121502	53.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.98%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	255125	23.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.20%
61) 1,2-Dichlorobenzene-d4	11.67	152	324572	24.25	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	192807	26.567 ug/L	99
3) Chloromethane	1.25	50	231621	24.439 ug/L	100
5) Vinyl chloride	1.32	62	243069	25.977 ug/L	99
6) Bromomethane	1.54	94	154808	26.503 ug/L	99
8) Chloroethane	1.60	64	160246	27.869 ug/L	100
9) Trichlorofluoromethane	1.77	101	332520	26.275 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	211465	26.143 ug/L	99
12) 1,1-Dichloroethene	2.14	96	197495	26.512 ug/L	98
13) Acetone	2.22	43	168443	44.890 ug/L	99
14) Carbon disulfide	2.32	76	567884	23.865 ug/L	100
15) Methyl Acetate	2.47	43	140791	24.191 ug/L	99
16) Methylene chloride	2.53	84	254436	25.831 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	579377	26.507 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	227098	25.755 ug/L	99
19) 1,1-Dichloroethane	3.23	63	434573	27.007 ug/L	100
21) 2-Butanone	4.04	43	195362	44.737 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	255810	26.508 ug/L	98

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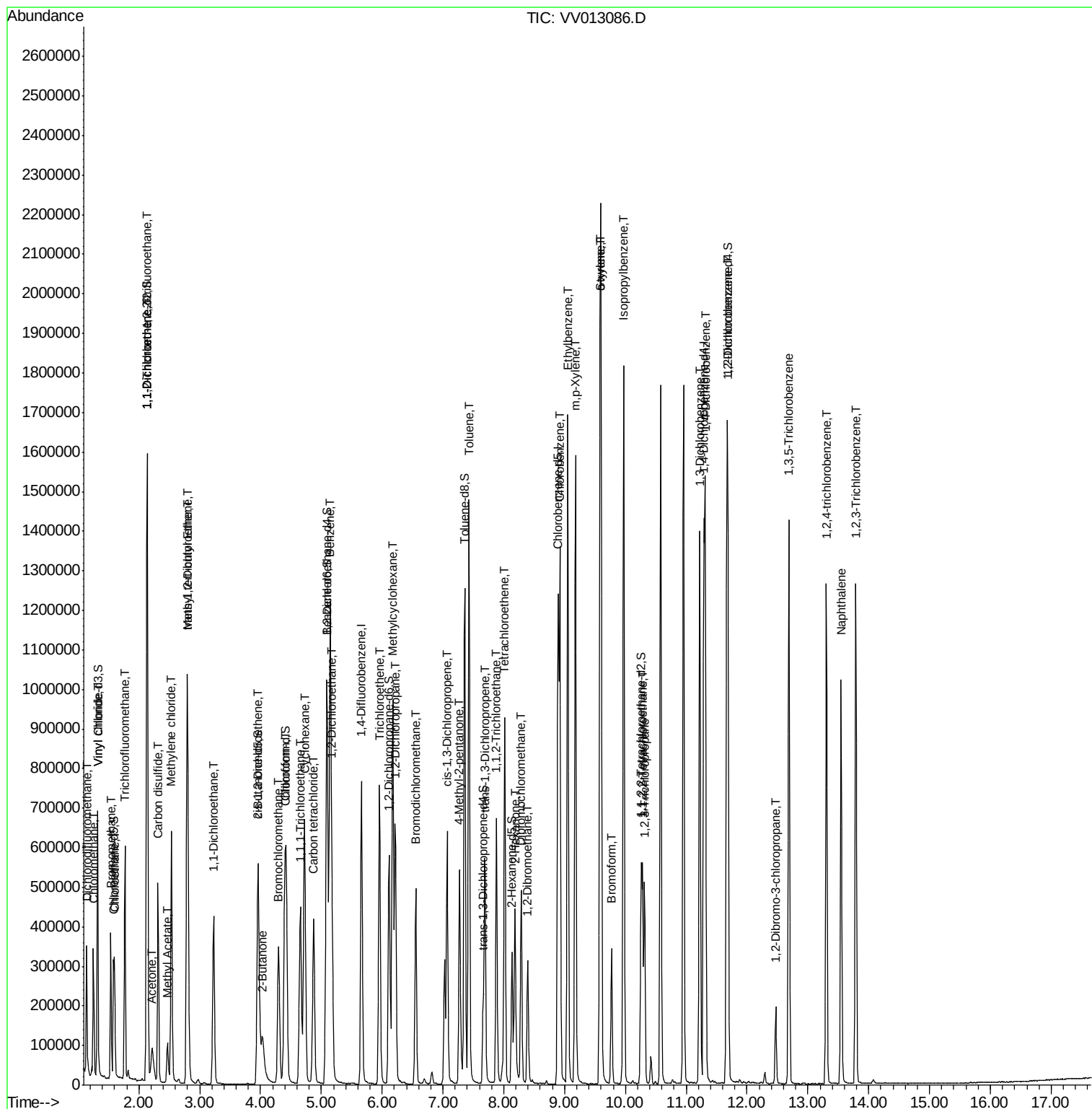
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	123808	25.974	ug/L	97
25) Chloroform	4.42	83	446674	26.475	ug/L	99
27) 1,2-Dichloroethane	5.18	62	303447	25.447	ug/L	100
30) Cyclohexane	4.72	56	358723	25.924	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	351475	27.534	ug/L	99
32) Carbon tetrachloride	4.87	117	311323	26.897	ug/L	99
34) Benzene	5.14	78	983082	27.382	ug/L	100
35) Trichloroethene	5.95	95	257286	25.726	ug/L	99
36) Methylcyclohexane	6.17	83	396129	25.801	ug/L	99
40) 1,2-Dichloropropane	6.22	63	250175	26.796	ug/L	100
41) Bromodichloromethane	6.55	83	329311	27.538	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	374786	27.320	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	393519	51.302	ug/L	98
44) Toluene	7.43	91	1060235	28.000	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	310864	26.924	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	209297	26.406	ug/L	99
47) Tetrachloroethene	8.02	164	213455	26.260	ug/L	99
49) 2-Hexanone	8.18	43	303915	52.562	ug/L	95
50) Dibromochloromethane	8.29	129	242981	26.672	ug/L	98
51) 1,2-Dibromoethane	8.39	107	202623	26.087	ug/L	100
52) Chlorobenzene	8.92	112	699166	26.757	ug/L	99
53) Ethylbenzene	9.05	91	1155597	27.718	ug/L	100
54) m,p-Xylene	9.18	106	444972	28.075	ug/L	99
55) o-xylene	9.58	106	426296	28.228	ug/L	100
56) Styrene	9.60	104	764701	28.779	ug/L	99
57) Isopropylbenzene	9.97	105	1129721	28.465	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	253416	25.847	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	201539	24.905	ug/L	100
62) Bromoform	9.77	173	152646	26.117	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	570135	26.892	ug/L	98
64) 1,4-Dichlorobenzene	11.31	146	583137	26.207	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	537255	26.567	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	44763	24.967	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	451361	27.216	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	392332	27.053	ug/L	99
69) Naphthalene	13.55	128	783826	26.872	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	386971	27.753	ug/L	98

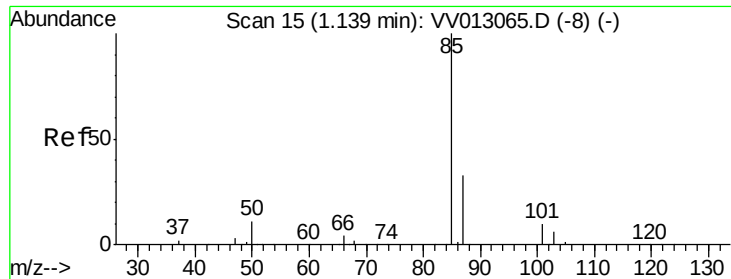
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.567 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013086.D

Acq: 10 Oct 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

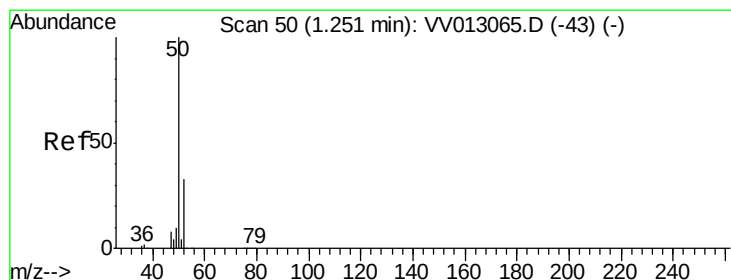
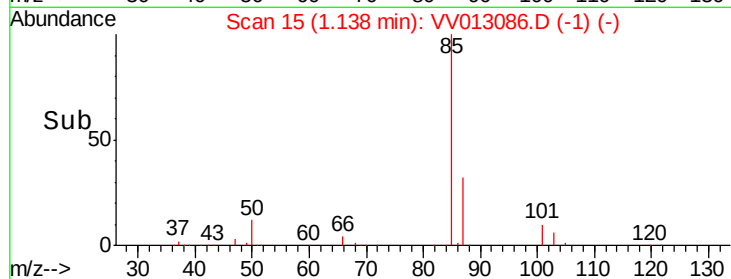
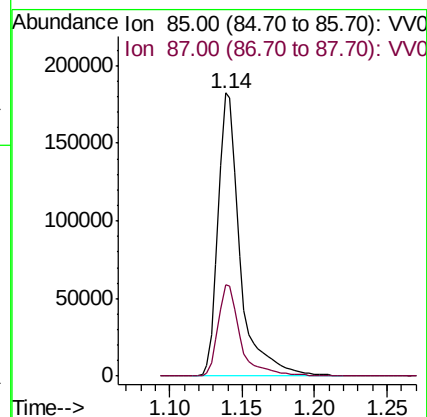
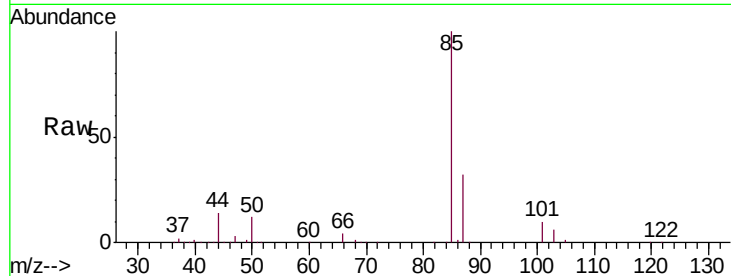
VSTD02588

Tgt Ion: 85 Resp: 192807

Ion Ratio Lower Upper

85 100

87 32.5 23.2 43.0



#3

Chloromethane

Concen: 24.439 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013086.D

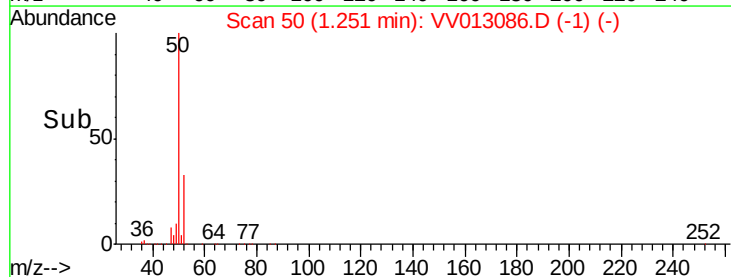
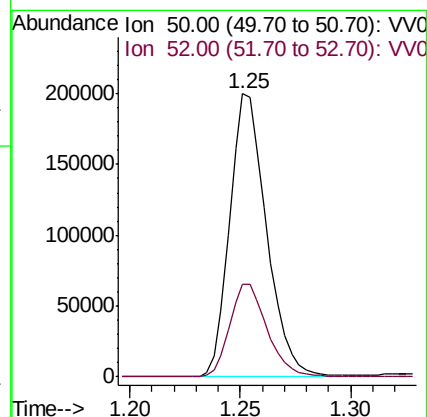
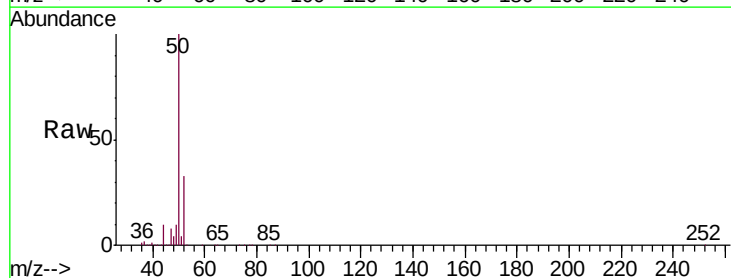
Acq: 10 Oct 2019 10:59

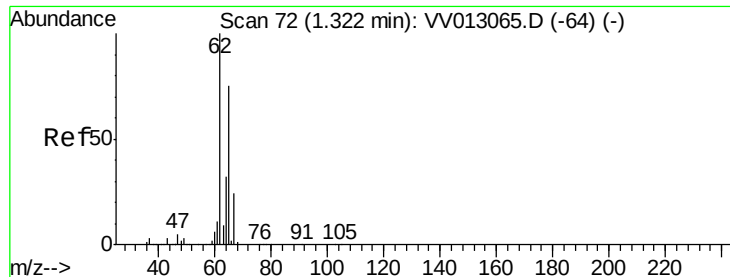
Tgt Ion: 50 Resp: 231621

Ion Ratio Lower Upper

50 100

52 32.6 22.7 42.1





#5

Vinyl chloride

Concen: 25.977 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013086.D

Acq: 10 Oct 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

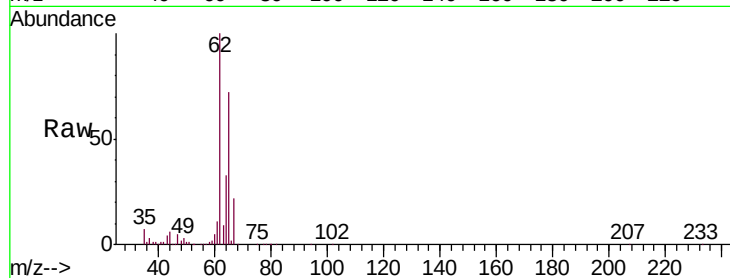
VSTD02588

Tgt Ion: 62 Resp: 243069

Ion Ratio Lower Upper

62 100

64 33.1 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

250000

200000

150000

100000

50000

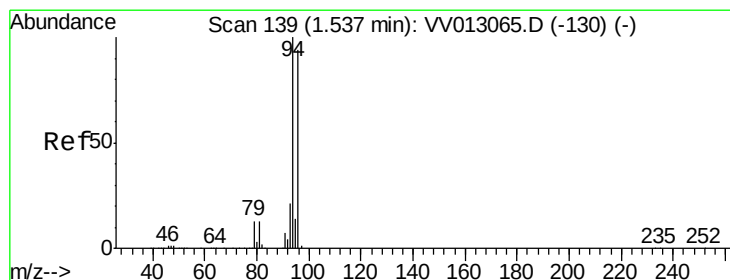
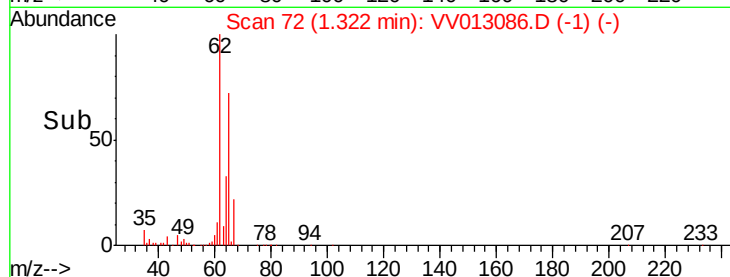
0

1.32

1.35

1.40

Time-->



#6

Bromomethane

Concen: 26.503 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV013086.D

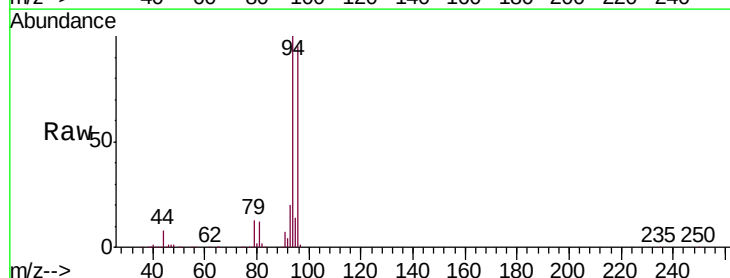
Acq: 10 Oct 2019 10:59

Tgt Ion: 94 Resp: 154808

Ion Ratio Lower Upper

94 100

96 94.9 9.4 177.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

150000

100000

50000

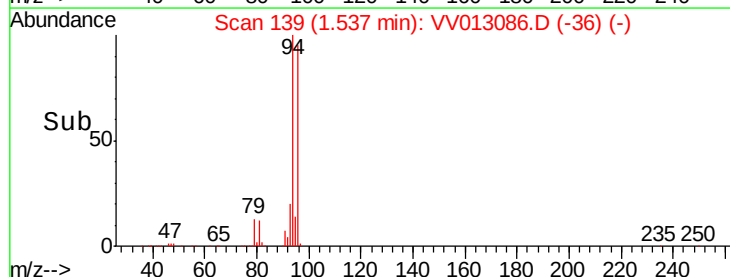
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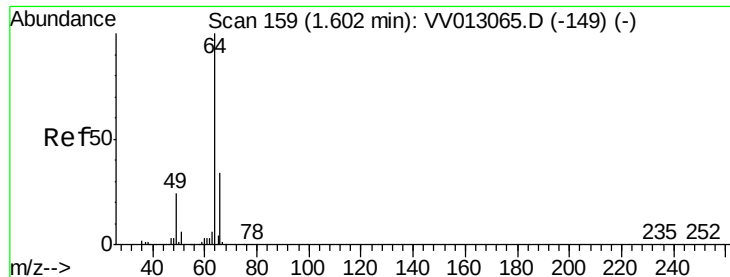
1.54

1.55

1.60

Time-->





#8

Chloroethane

Concen: 27.869 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV013086.D

Acq: 10 Oct 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

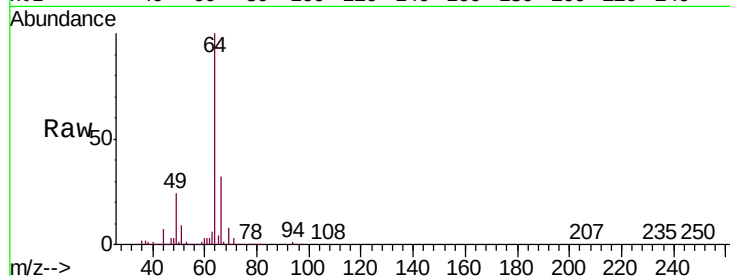
VSTD02588

Tgt Ion: 64 Resp: 160246

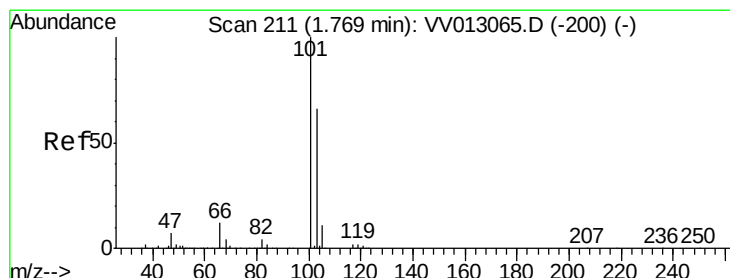
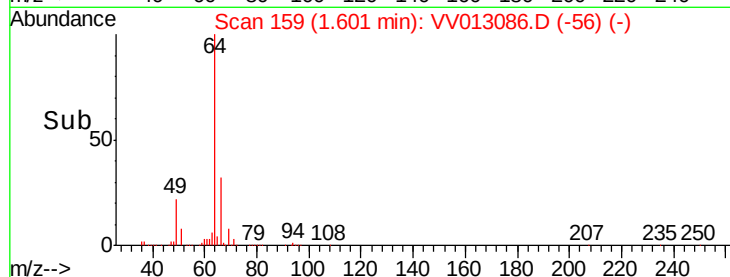
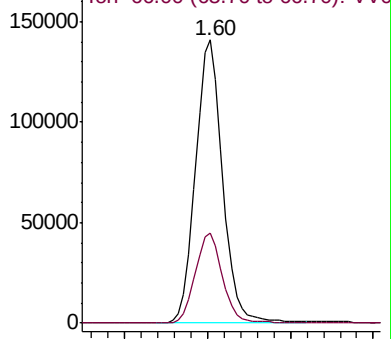
Ion Ratio Lower Upper

64 100

66 31.7 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VV013065.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 26.275 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV013086.D

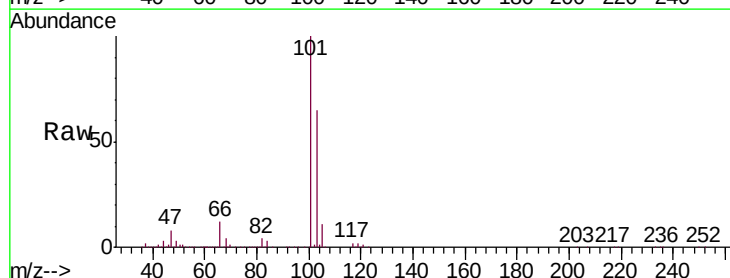
Acq: 10 Oct 2019 10:59

Tgt Ion: 101 Resp: 332520

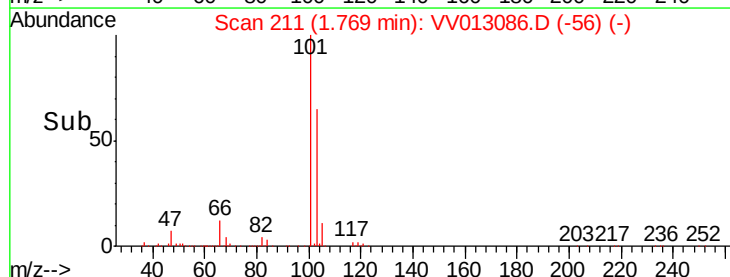
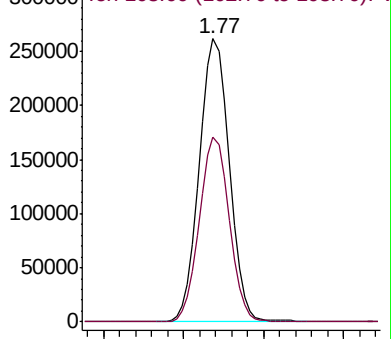
Ion Ratio Lower Upper

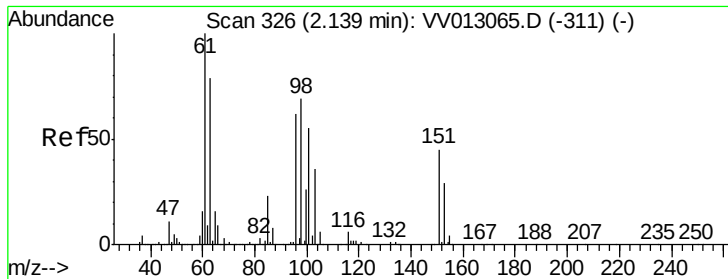
101 100

103 65.2 45.1 83.9



Abundance Ion 101.00 (100.70 to 101.70): VV013065.D (-200) (-)





#11

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

Concen: 26.143 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

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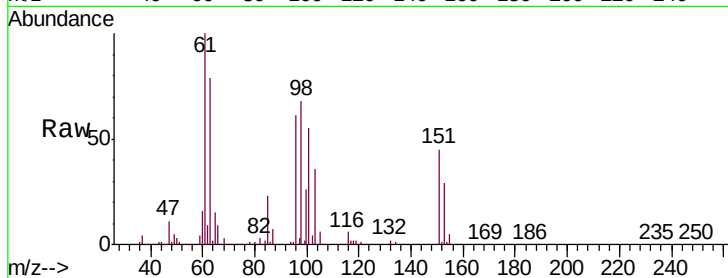
Tgt Ion: 101 Resp: 211465

Ion Ratio Lower Upper

101 100

85 40.8 32.6 49.0

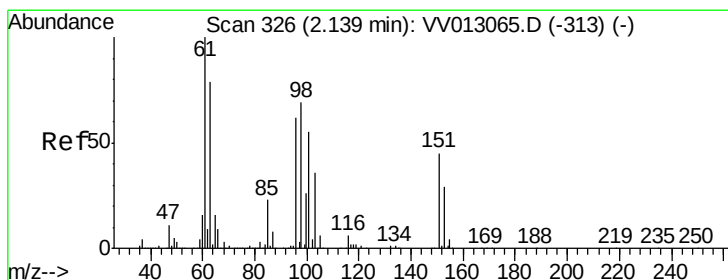
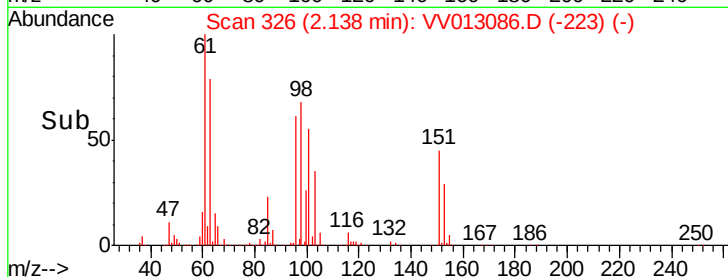
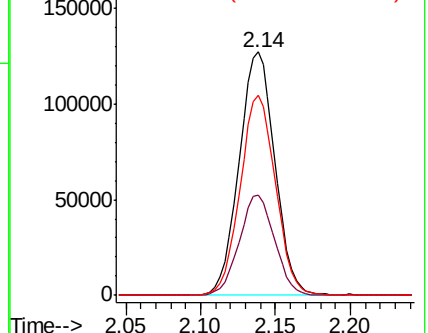
151 81.4 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): VV013086.D (-223) (-)

Ion 85.00 (84.70 to 85.70): VV013086.D (-223) (-)

Ion 151.00 (150.70 to 151.70): VV013086.D (-223) (-)



#12

1,1-Dichloroethene

Concen: 26.512 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013086.D

Acq: 10 Oct 2019 10:59

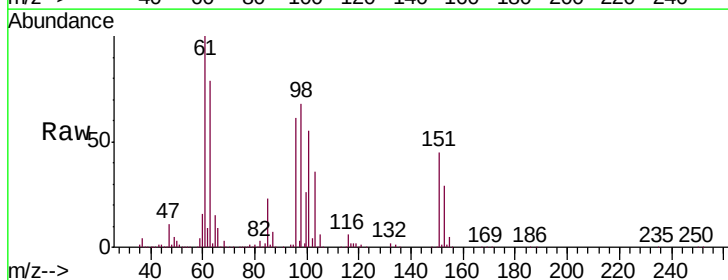
Tgt Ion: 96 Resp: 197495

Ion Ratio Lower Upper

96 100

61 164.7 117.2 217.8

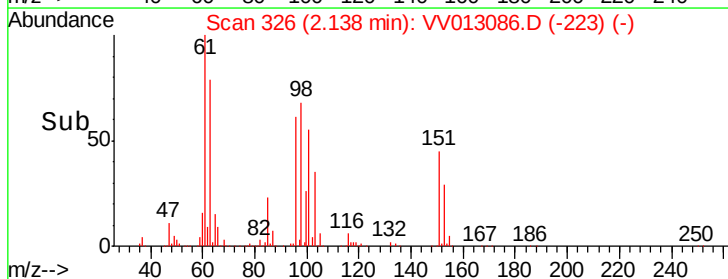
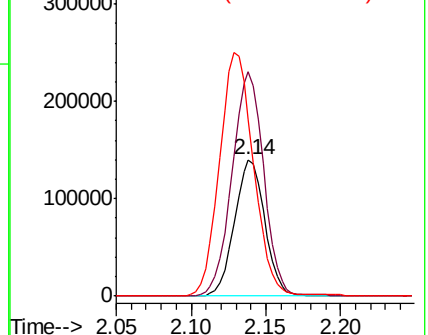
63 129.7 89.6 166.4

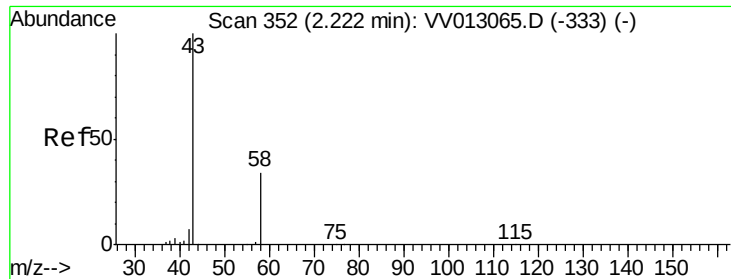


Abundance Ion 96.00 (95.70 to 96.70): VV013086.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV013086.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV013086.D (-223) (-)





#13

Acetone

Concen: 44.890 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

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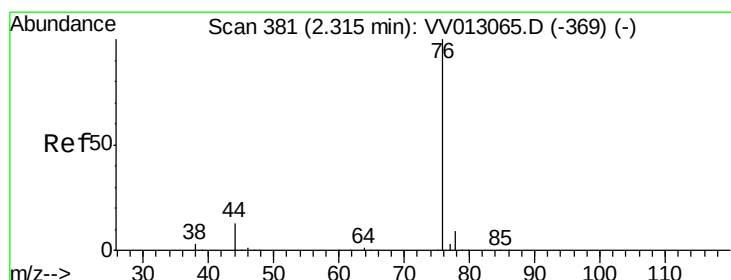
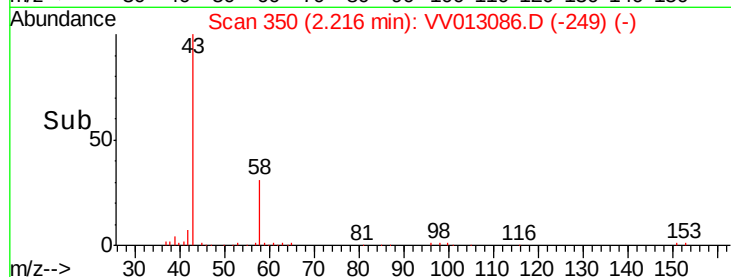
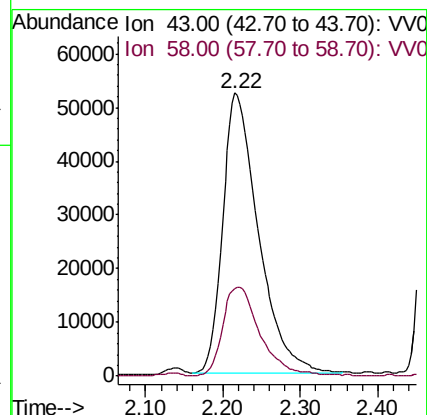
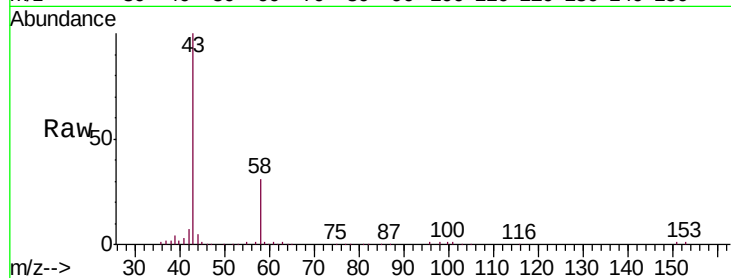
VSTD02588

Tgt Ion: 43 Resp: 168443

Ion Ratio Lower Upper

43 100

58 33.2 0.0 65.0



#14

Carbon disulfide

Concen: 23.865 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV013086.D

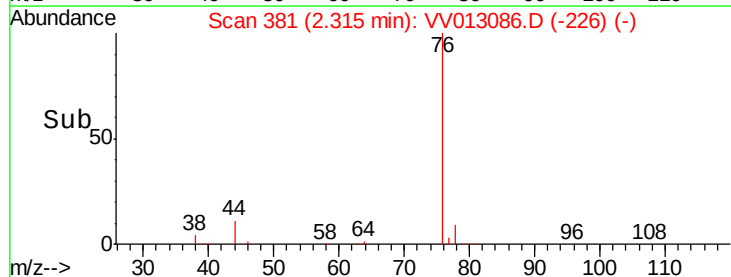
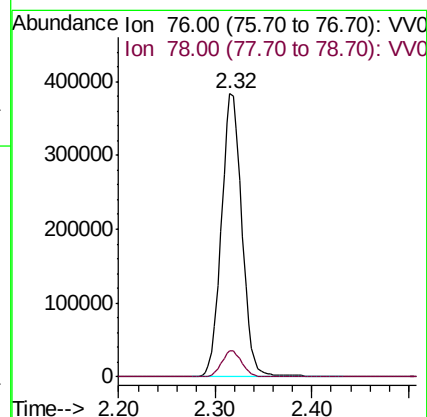
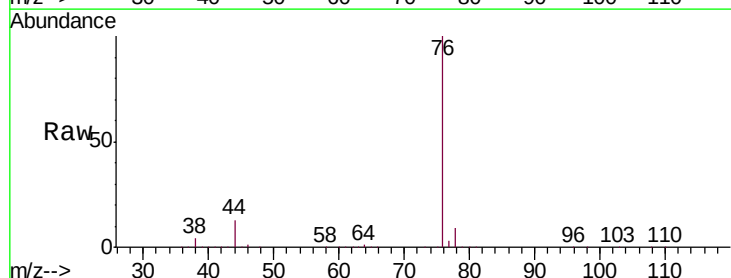
Acq: 10 Oct 2019 10:59

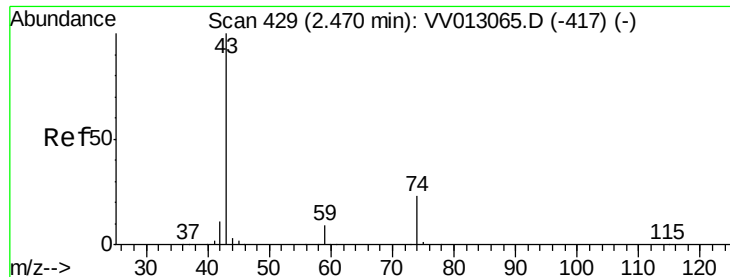
Tgt Ion: 76 Resp: 567884

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

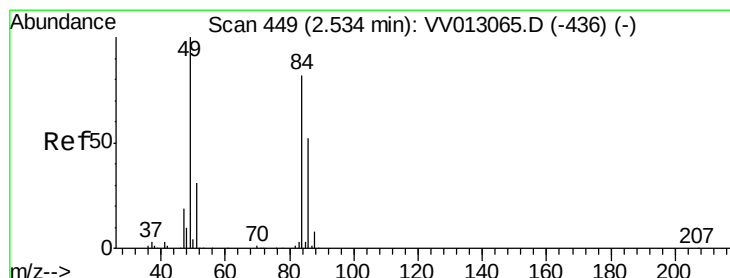
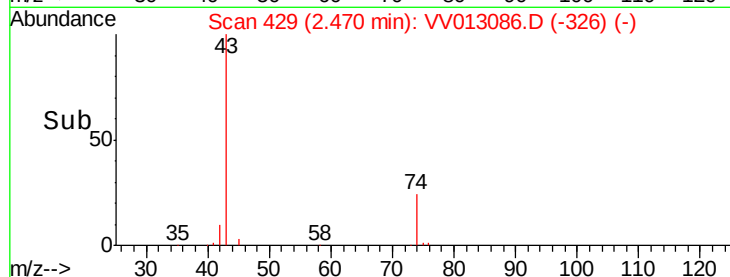
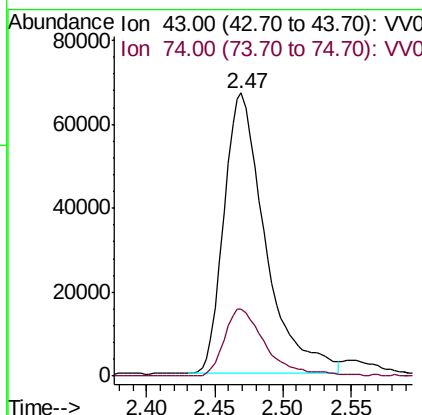
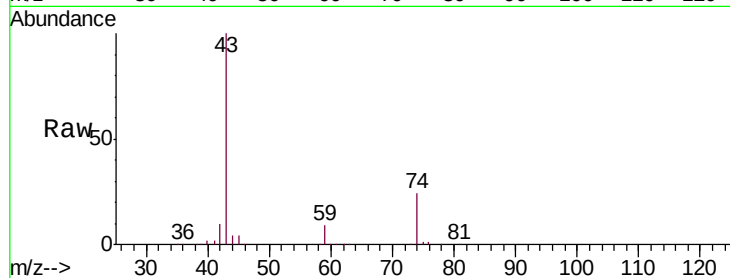




#15
Methyl Acetate
Concen: 24.191 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV013086.D
Acq: 10 Oct 2019 10:59

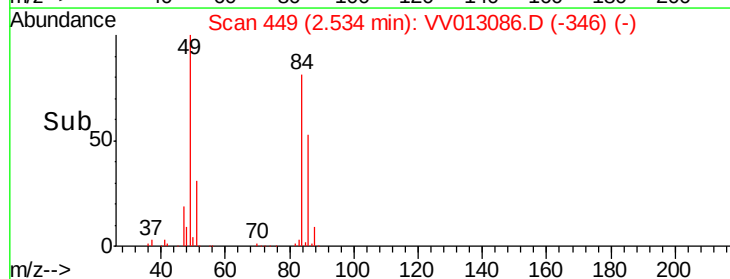
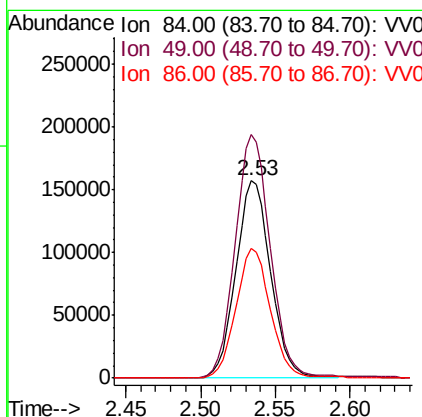
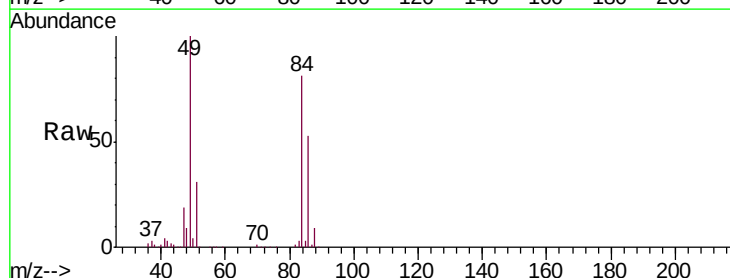
Instrument :
MSVOA_V
ClientSampleId :
VSTD02588

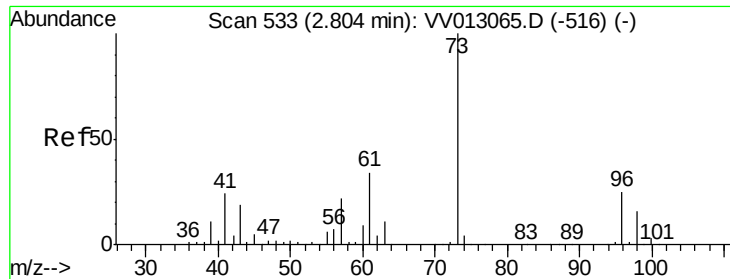
Tgt Ion: 43 Resp: 140791
Ion Ratio Lower Upper
43 100
74 23.2 18.8 28.2



#16
Methylene chloride
Concen: 25.831 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV013086.D
Acq: 10 Oct 2019 10:59

Tgt Ion: 84 Resp: 254436
Ion Ratio Lower Upper
84 100
49 123.3 88.3 164.1
86 65.6 44.9 83.3

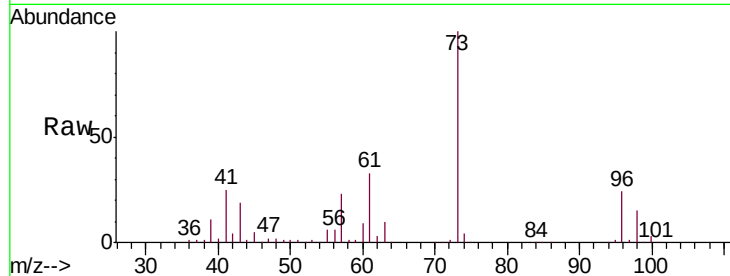




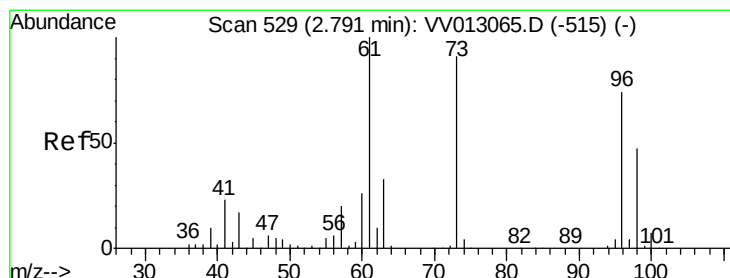
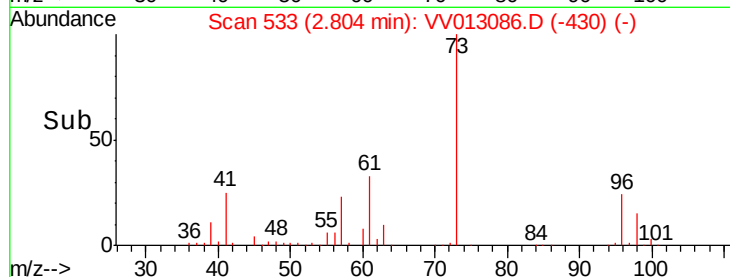
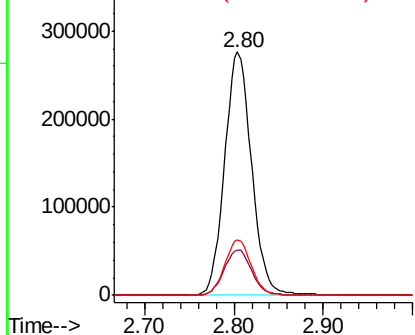
#17
Methyl tert-butyl Ether
Concen: 26.507 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV013086.D
Acq: 10 Oct 2019 10:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD02588

Tgt Ion: 73 Resp: 579377
Ion Ratio Lower Upper
73 100
43 18.9 15.0 22.6
57 22.5 18.3 27.5

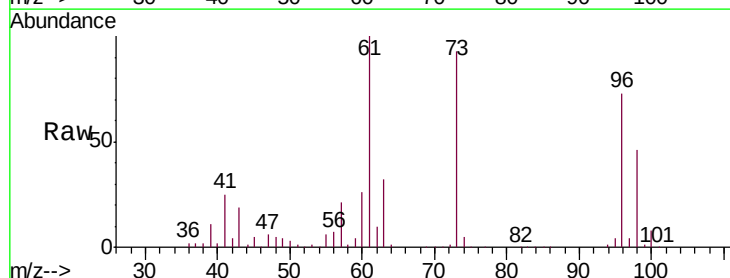


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

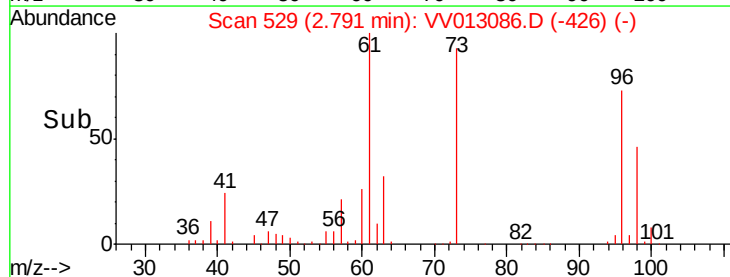
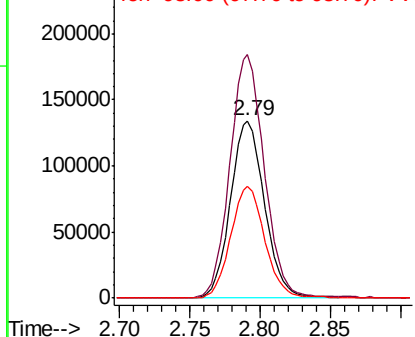


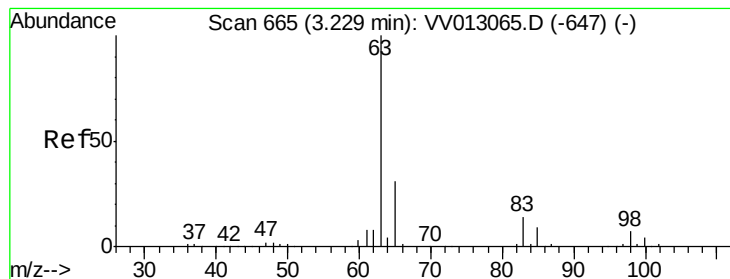
#18
trans-1,2-Dichloroethene
Concen: 25.755 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV013086.D
Acq: 10 Oct 2019 10:59

Tgt Ion: 96 Resp: 227098
Ion Ratio Lower Upper
96 100
61 137.5 96.8 179.8
98 63.3 44.8 83.2



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





#19

1,1-Dichloroethane

Concen: 27.007 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV013086.D

Acq: 10 Oct 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD02588

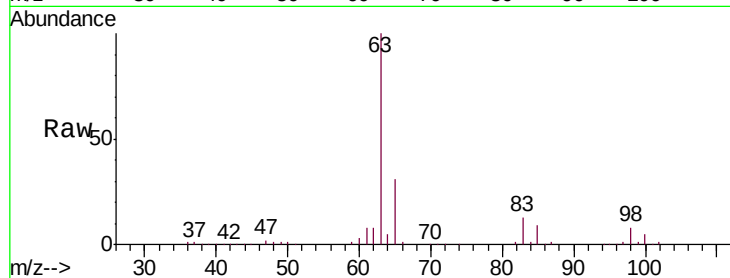
Tgt Ion: 63 Resp: 434573

Ion Ratio Lower Upper

63 100

65 31.3 22.0 41.0

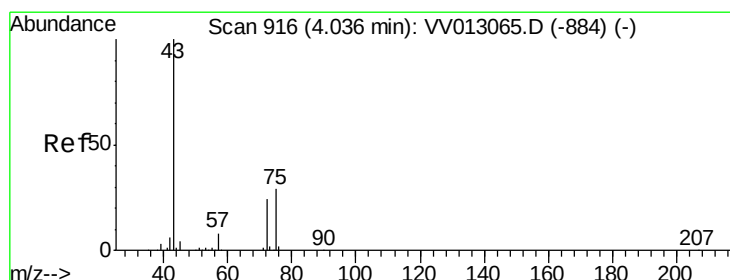
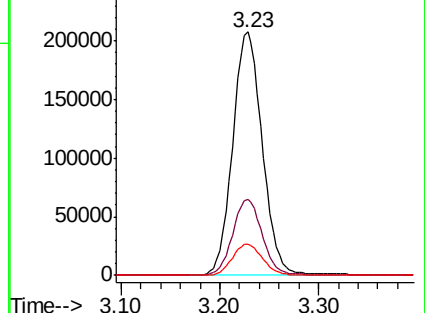
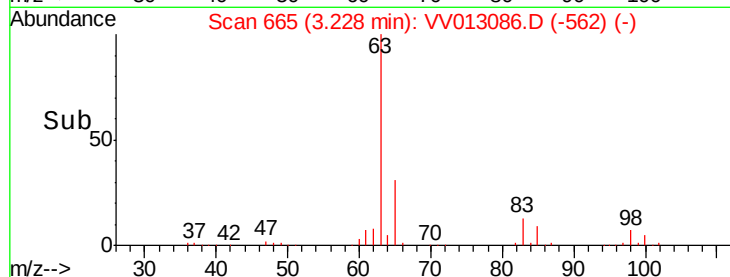
83 13.0 9.2 17.0



Abundance Ion 63.00 (62.70 to 63.70): VV013086.D (-562) (-)

Ion 65.00 (64.70 to 65.70): VV013086.D (-562) (-)

Ion 83.00 (82.70 to 83.70): VV013086.D (-562) (-)



#21

2-Butanone

Concen: 44.737 ug/L

RT: 4.04 min Scan# 916

Delta R.T. -0.00 min

Lab File: VV013086.D

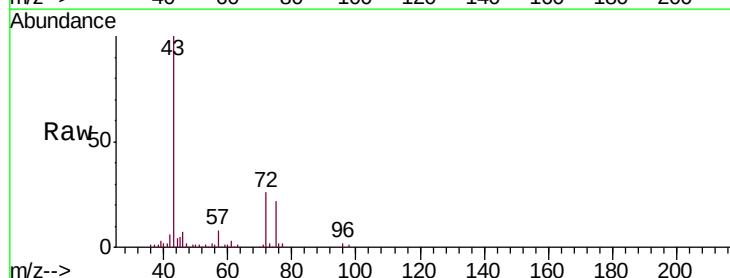
Acq: 10 Oct 2019 10:59

Tgt Ion: 43 Resp: 195362

Ion Ratio Lower Upper

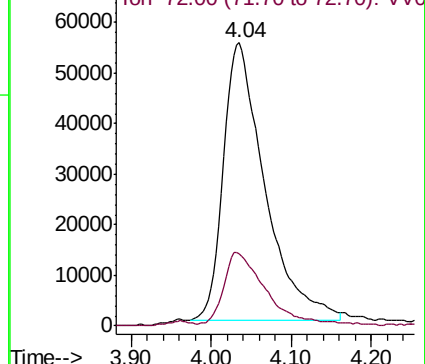
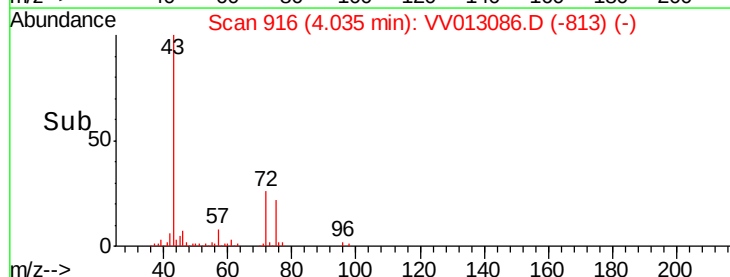
43 100

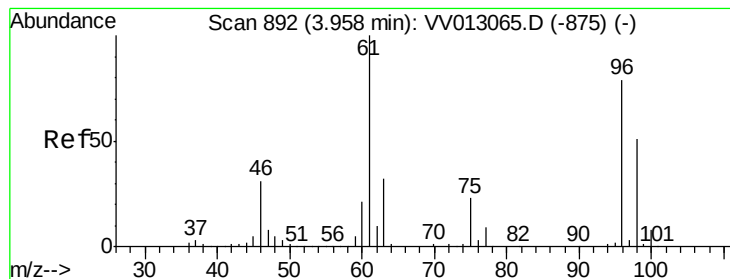
72 23.9 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VV013086.D (-813) (-)

Ion 72.00 (71.70 to 72.70): VV013086.D (-813) (-)



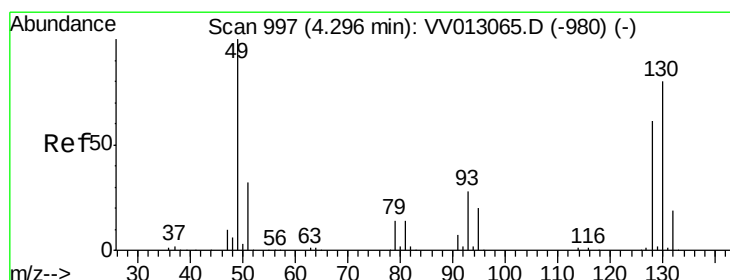
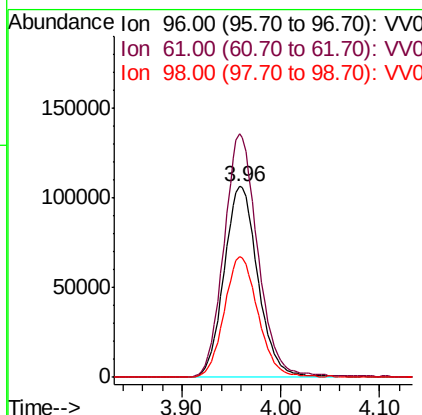
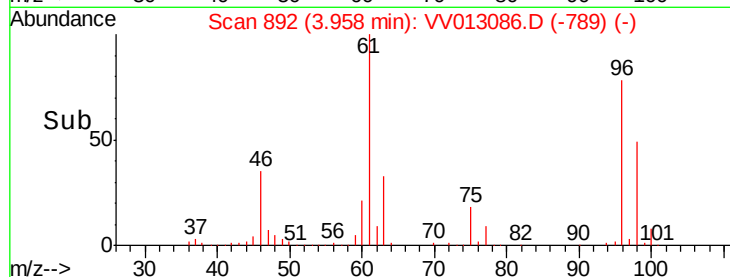
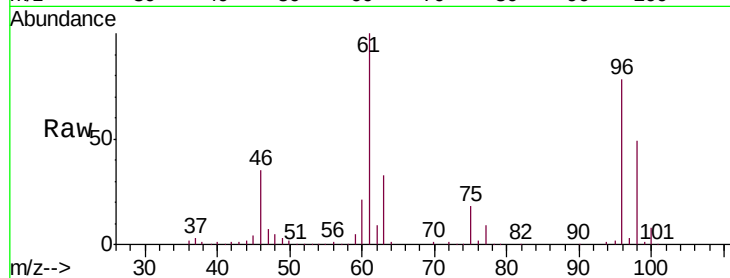


#22

cis-1,2-Dichloroethene
 Concen: 26.508 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV013086.D
 Acq: 10 Oct 2019 10:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02588

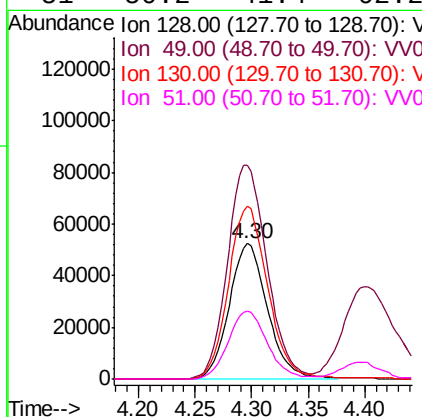
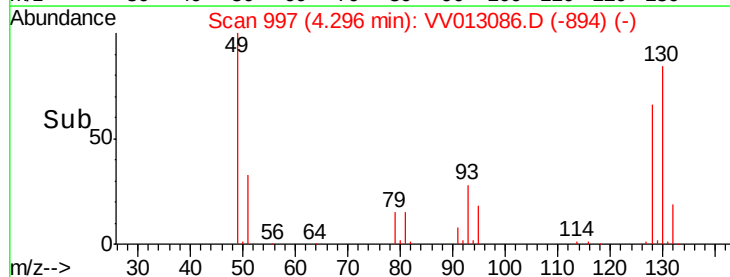
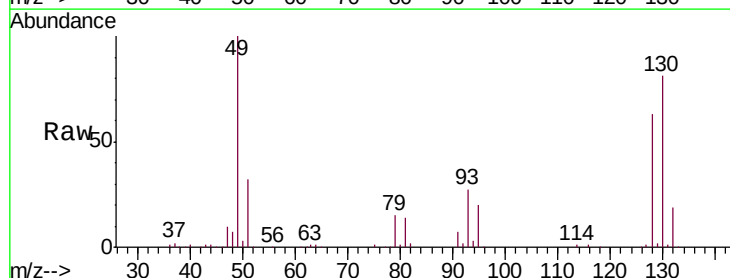
Tgt Ion: 96 Resp: 255810
 Ion Ratio Lower Upper
 96 100
 61 127.5 90.9 168.7
 98 63.0 45.6 84.6

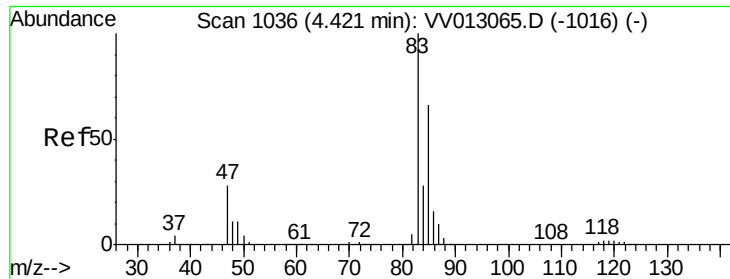


#23

Bromochloromethane
 Concen: 25.974 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV013086.D
 Acq: 10 Oct 2019 10:59

Tgt Ion: 128 Resp: 123808
 Ion Ratio Lower Upper
 128 100
 49 158.0 114.4 212.6
 130 127.5 88.5 164.4
 51 50.2 41.4 62.2

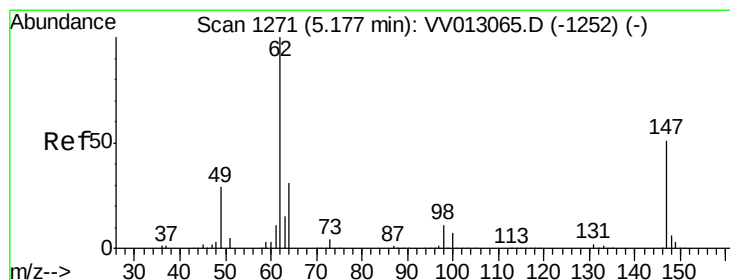
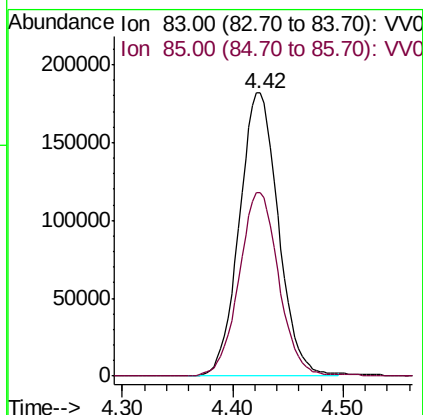
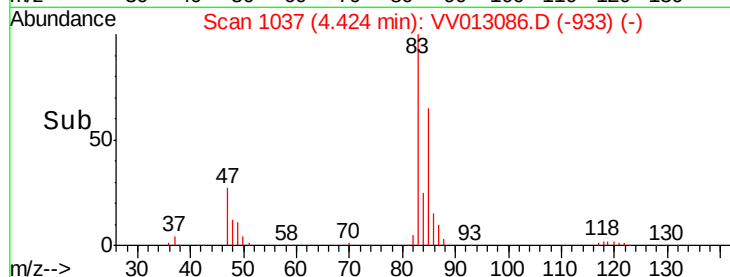
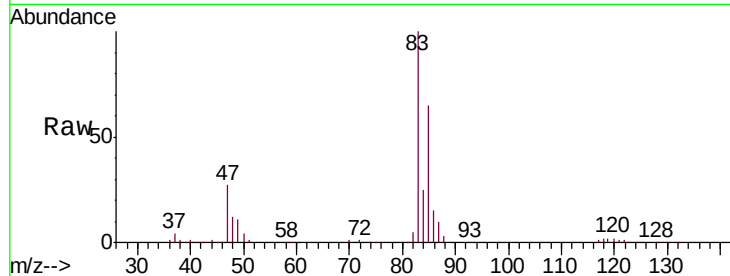




#25
Chloroform
Concen: 26.475 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013086.D
Acq: 10 Oct 2019 10:59

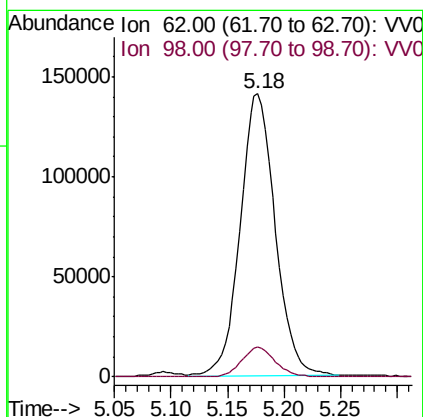
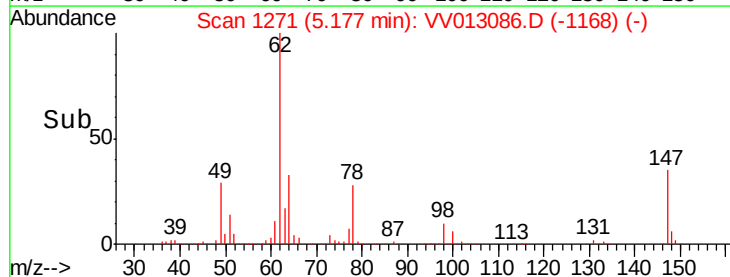
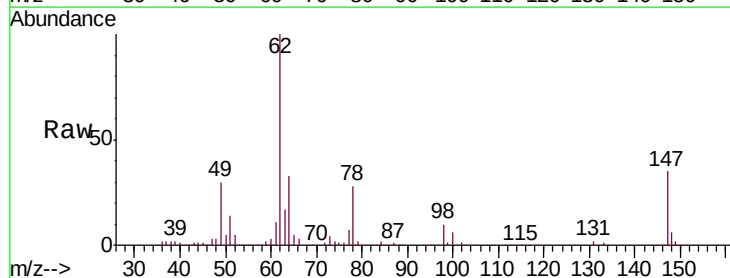
Instrument :
MSVOA_V
ClientSampleId :
VSTD02588

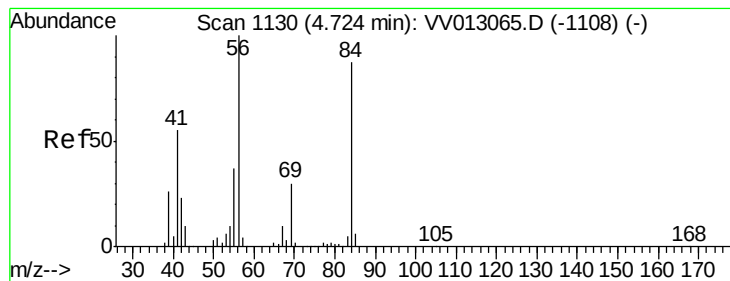
Tgt Ion: 83 Resp: 446674
Ion Ratio Lower Upper
83 100
85 65.9 45.8 85.0



#27
1,2-Dichloroethane
Concen: 25.447 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV013086.D
Acq: 10 Oct 2019 10:59

Tgt Ion: 62 Resp: 303447
Ion Ratio Lower Upper
62 100
98 10.4 8.2 12.4





#30

Cyclohexane

Concen: 25.924 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV013086.D

Acq: 10 Oct 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD02588

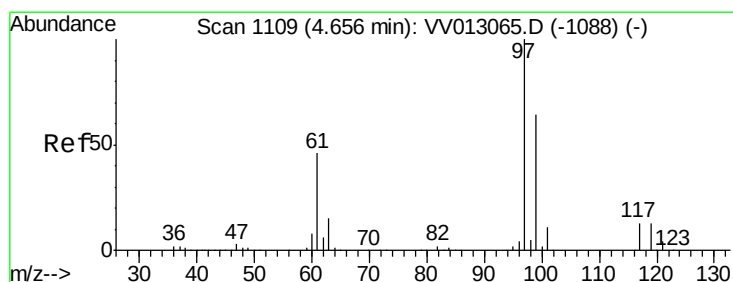
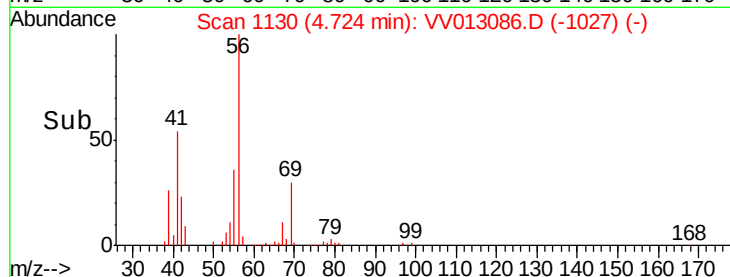
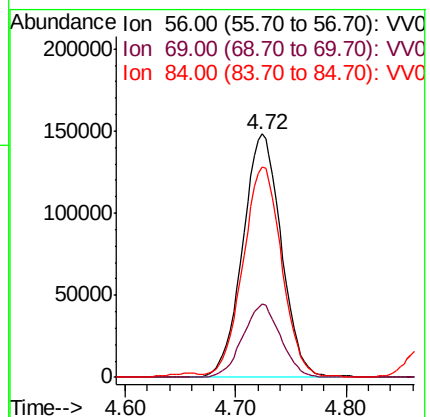
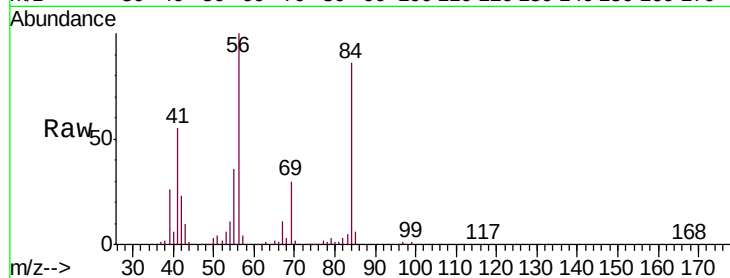
Tgt Ion: 56 Resp: 358723

Ion Ratio Lower Upper

56 100

69 29.7 23.8 35.8

84 86.3 68.4 102.6



#31

1,1,1-Trichloroethane

Concen: 27.534 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV013086.D

Acq: 10 Oct 2019 10:59

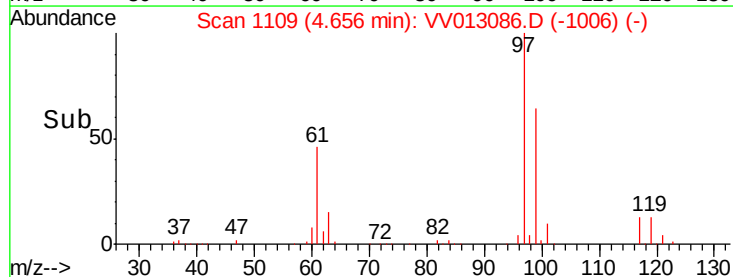
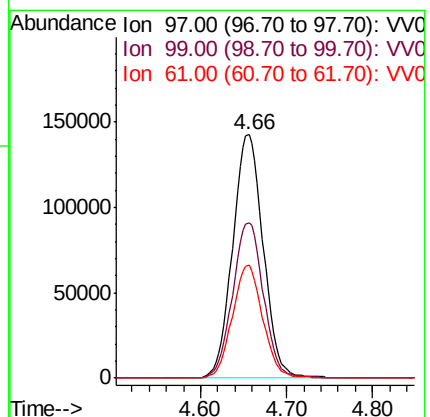
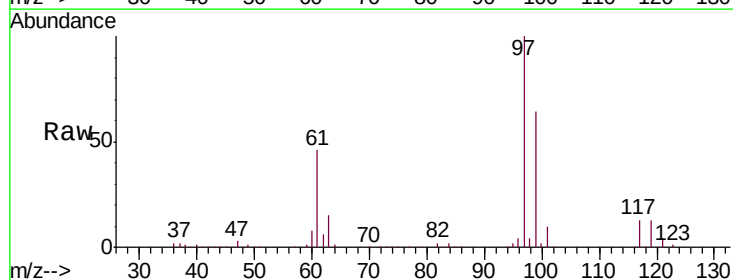
Tgt Ion: 97 Resp: 351475

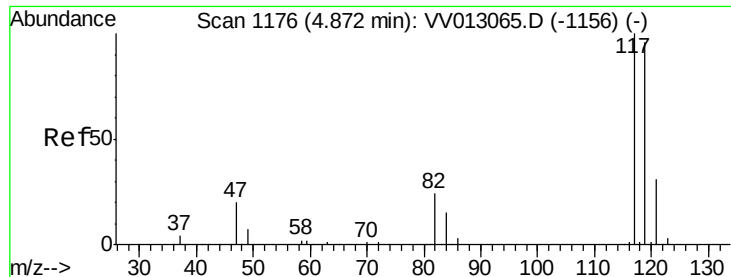
Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

61 45.9 37.8 56.8





#32

Carbon tetrachloride

Concen: 26.897 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV013086.D

Acq: 10 Oct 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

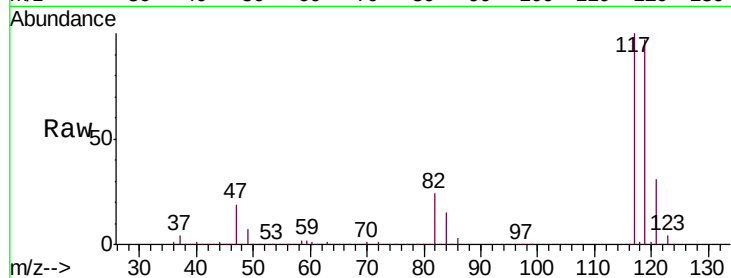
VSTD02588

Tgt Ion:117 Resp: 311323

Ion Ratio Lower Upper

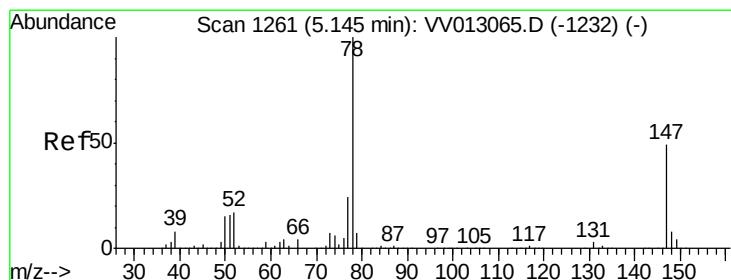
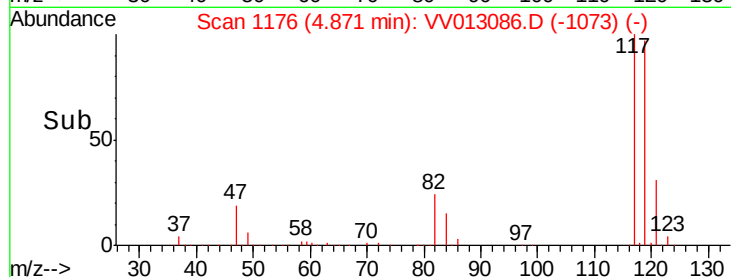
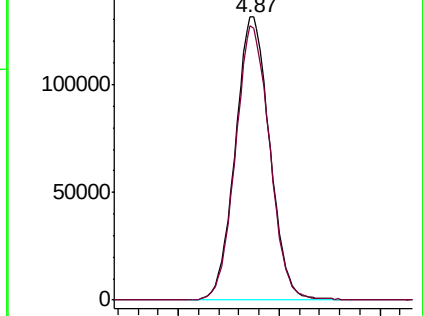
117 100

119 96.1 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.382 ug/L

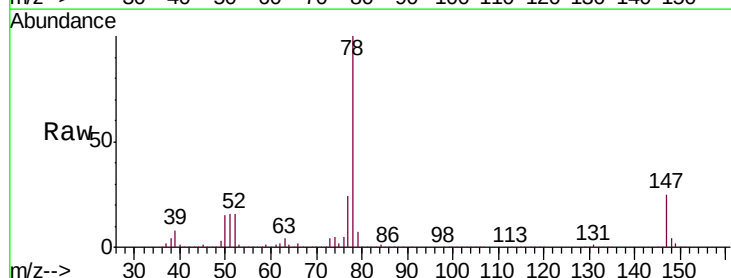
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

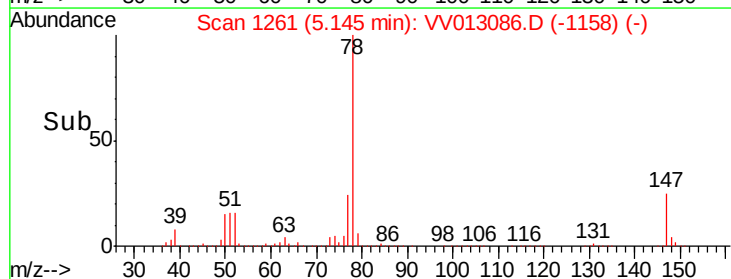
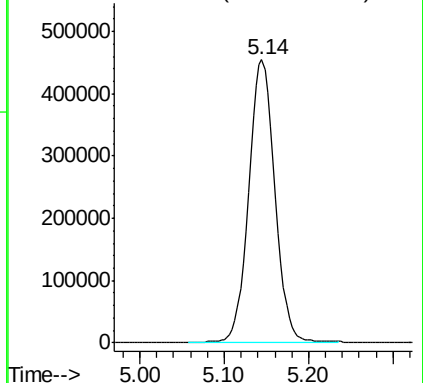
Lab File: VV013086.D

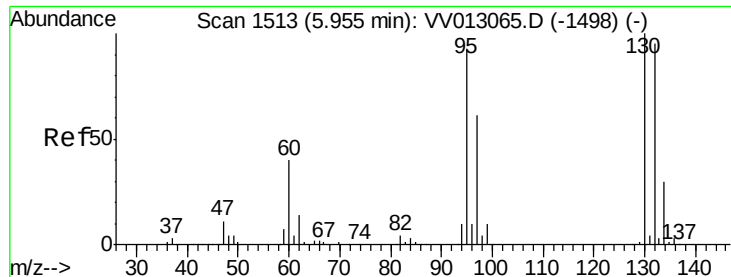
Acq: 10 Oct 2019 10:59

Tgt Ion: 78 Resp: 983082



Abundance Ion 78.00 (77.70 to 78.70): VV0

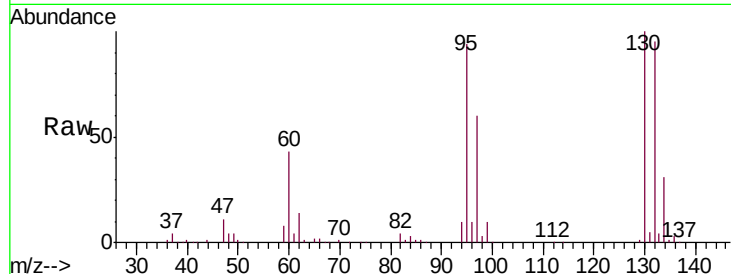




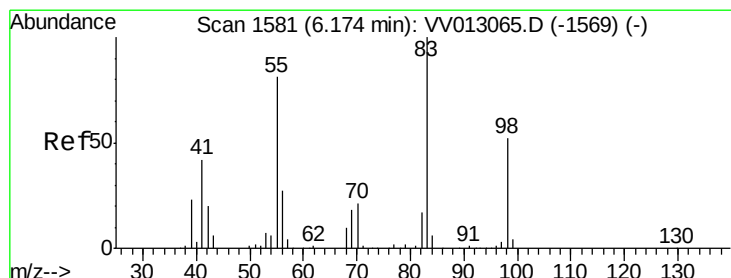
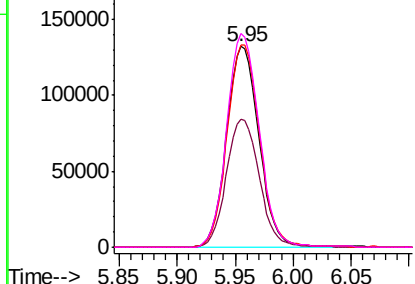
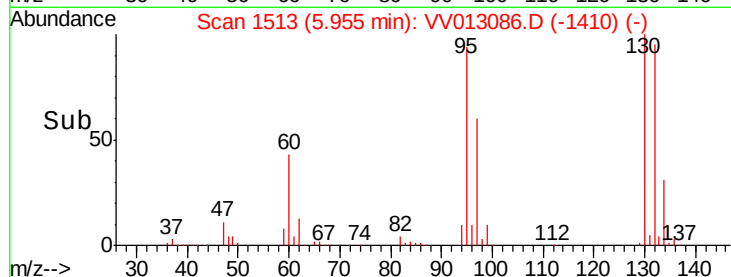
#35
 Trichloroethene
 Concen: 25.726 ug/L
 RT: 5.95 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV013086.D
 Acq: 10 Oct 2019 10:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02588

Tgt Ion: 95 Resp: 257286
 Ion Ratio Lower Upper
 95 100
 97 64.7 44.7 82.9
 132 101.3 70.1 130.1
 130 106.7 73.3 136.1

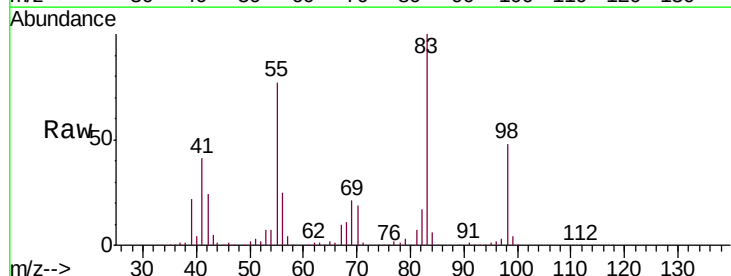


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

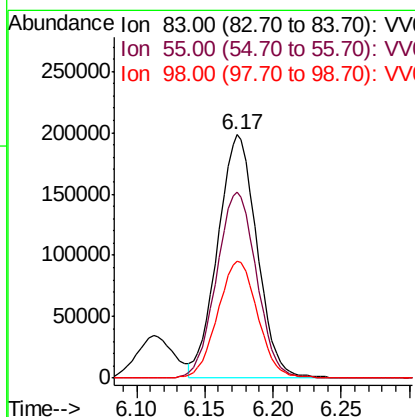
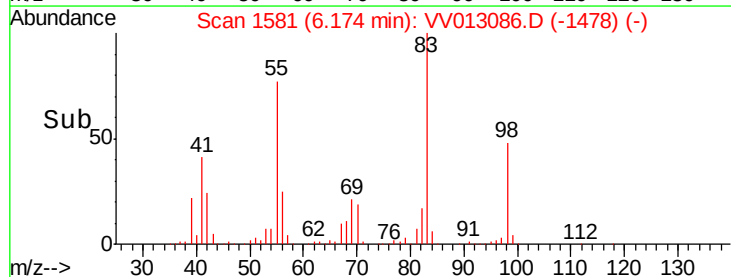


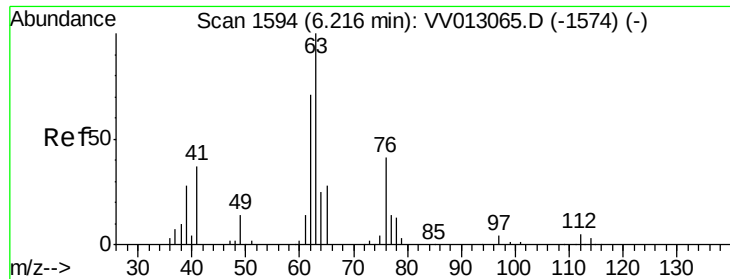
#36
 Methylcyclohexane
 Concen: 25.801 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV013086.D
 Acq: 10 Oct 2019 10:59

Tgt Ion: 83 Resp: 396129
 Ion Ratio Lower Upper
 83 100
 55 78.1 61.8 92.8
 98 49.1 39.3 58.9



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

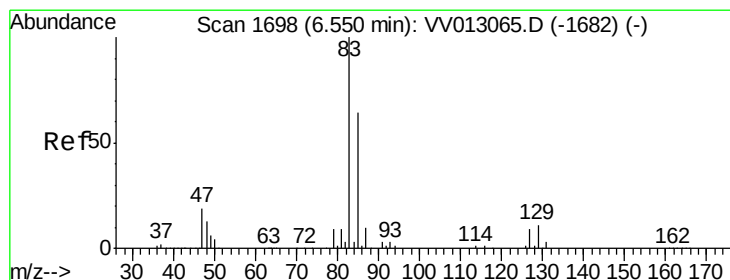
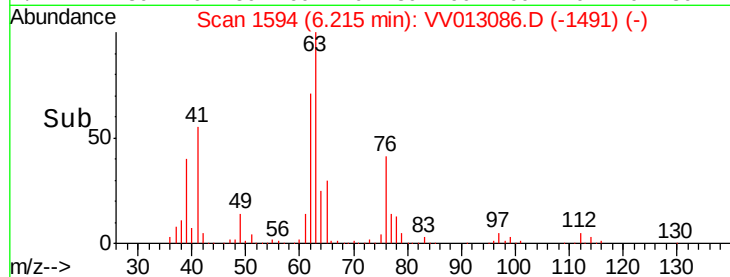
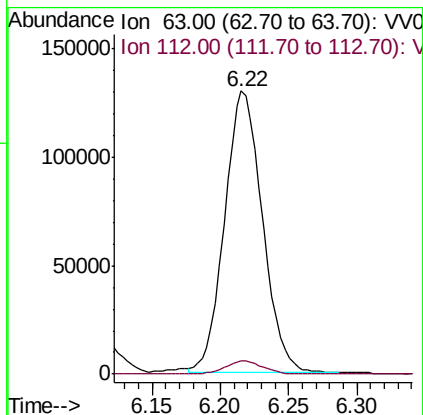
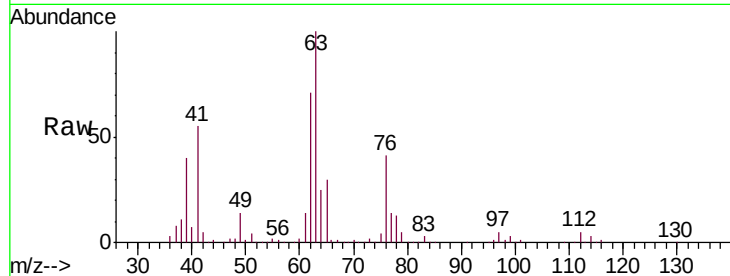




#40
 1,2-Dichloropropane
 Concen: 26.796 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV013086.D
 Acq: 10 Oct 2019 10:59

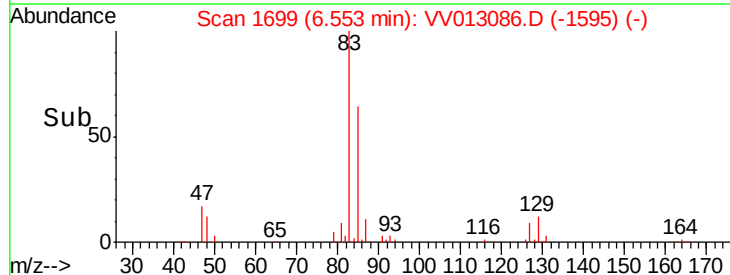
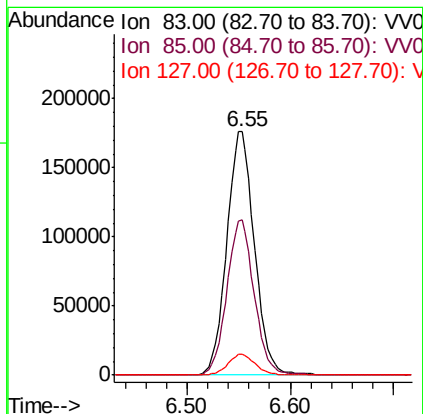
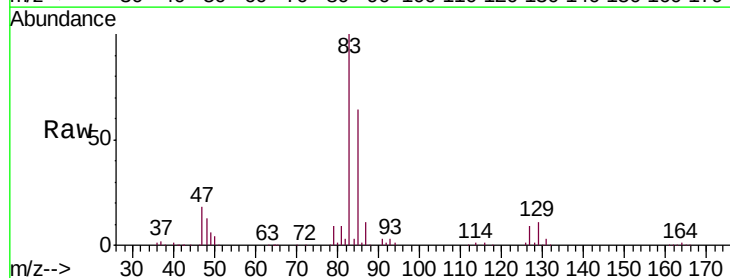
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02588

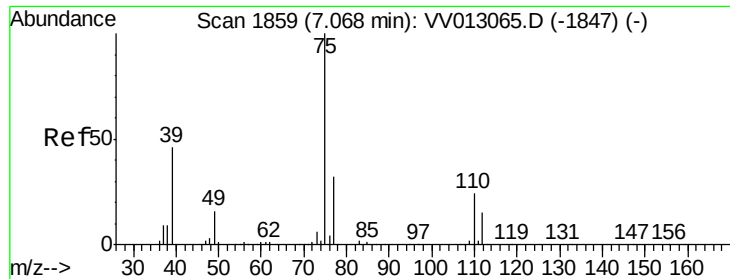
Tgt Ion: 63 Resp: 250175
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.6



#41
 Bromodichloromethane
 Concen: 27.538 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013086.D
 Acq: 10 Oct 2019 10:59

Tgt Ion: 83 Resp: 329311
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.3 84.1
 127 8.5 7.2 10.8

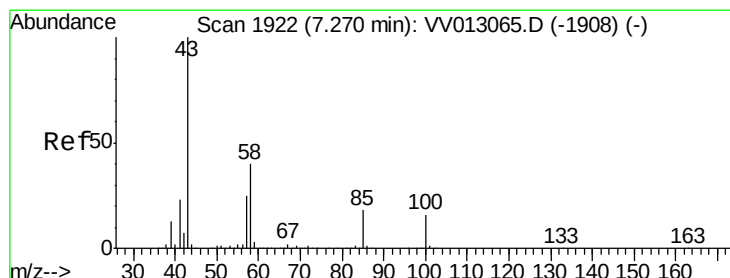
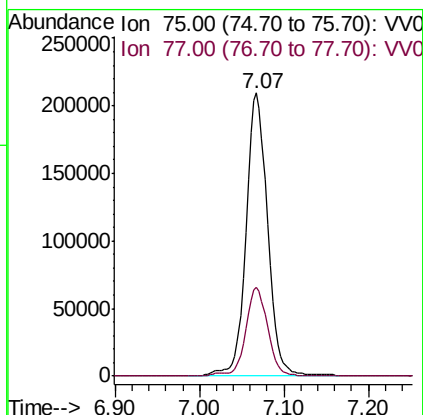
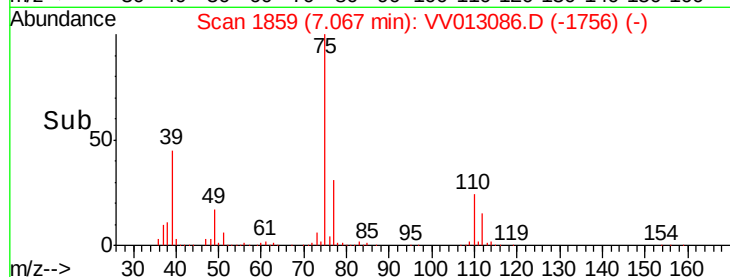
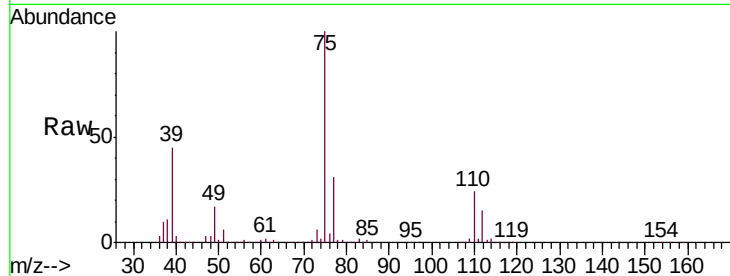




#42
 cis-1,3-Dichloropropene
 Concen: 27.320 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV013086.D
 Acq: 10 Oct 2019 10:59

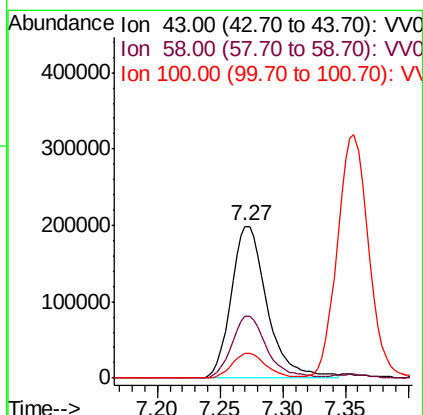
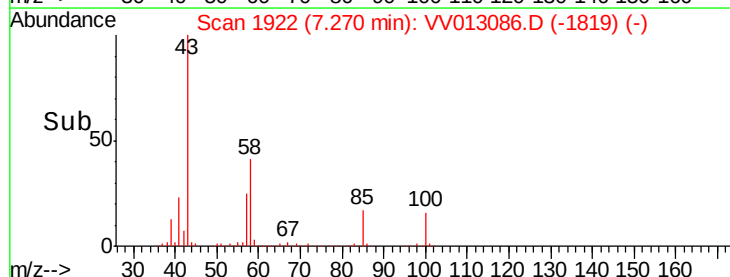
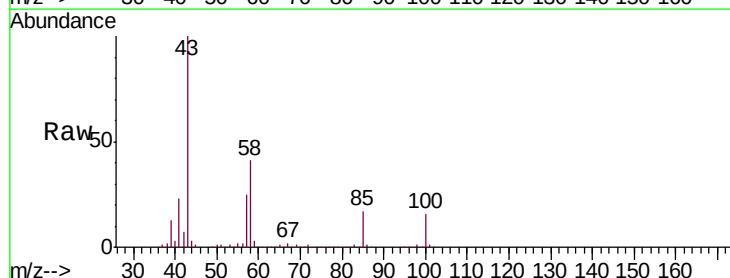
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02588

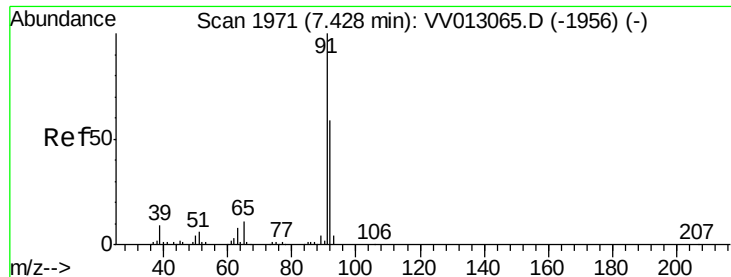
Tgt Ion: 75 Resp: 374786
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.5 39.9



#43
 4-Methyl-2-pentanone
 Concen: 51.302 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV013086.D
 Acq: 10 Oct 2019 10:59

Tgt Ion: 43 Resp: 393519
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.2 46.8
 100 15.7 12.2 18.2





#44

Toluene

Concen: 28.000 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013086.D

Acq: 10 Oct 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

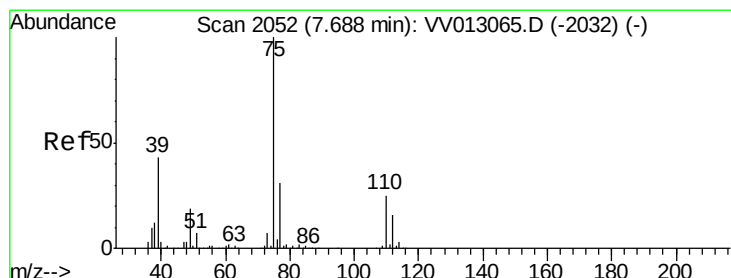
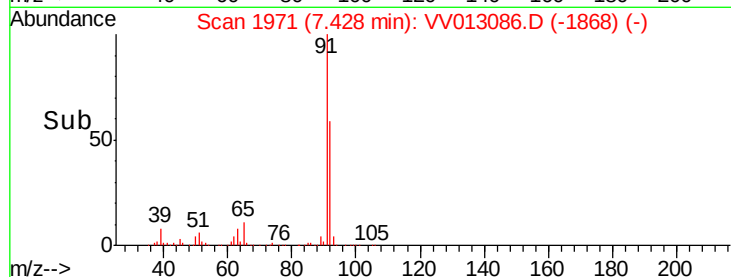
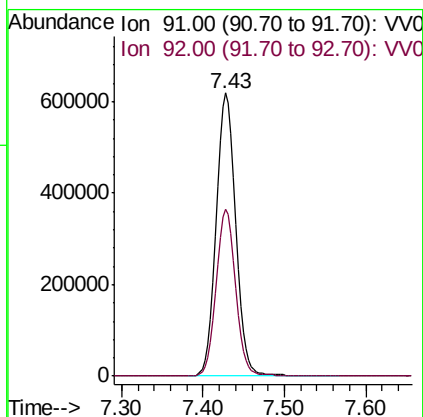
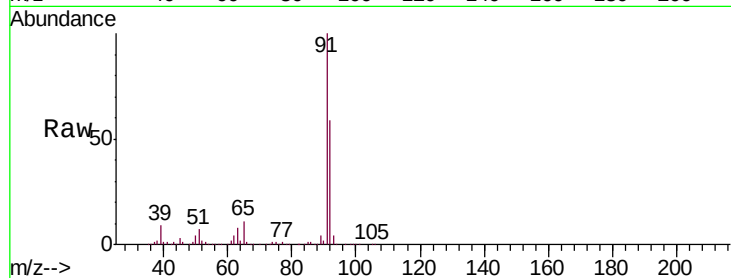
VSTD02588

Tgt Ion: 91 Resp: 1060235

Ion Ratio Lower Upper

91 100

92 59.0 41.3 76.7



#45

trans-1,3-Dichloropropene

Concen: 26.924 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013086.D

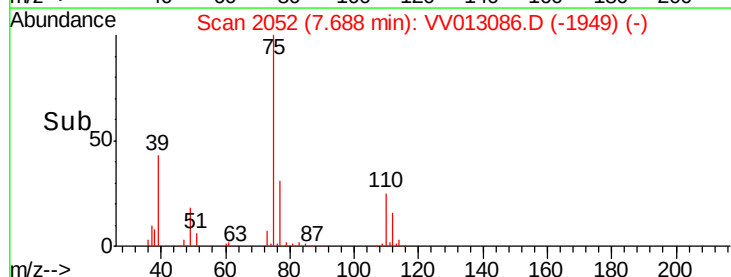
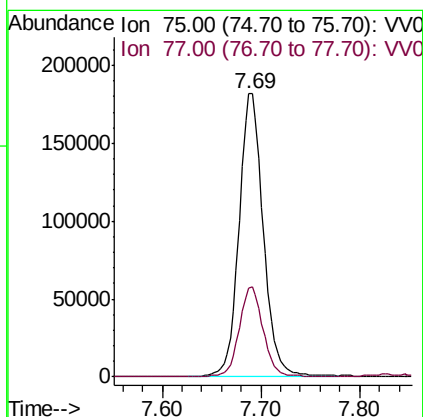
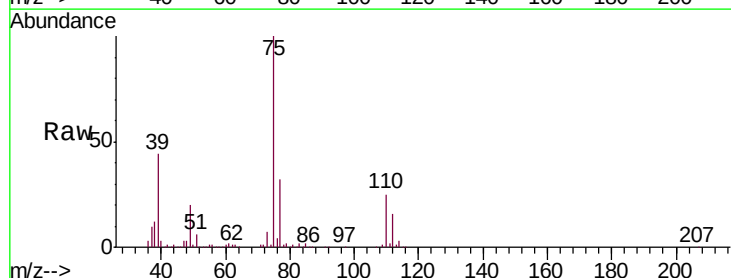
Acq: 10 Oct 2019 10:59

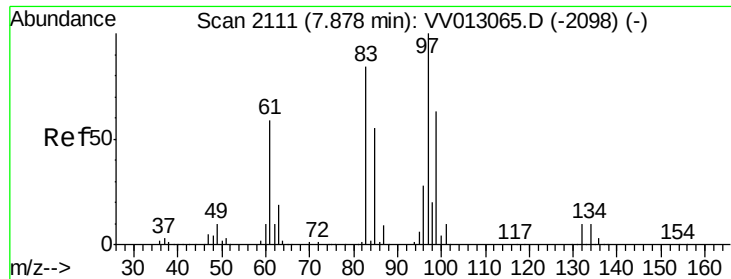
Tgt Ion: 75 Resp: 310864

Ion Ratio Lower Upper

75 100

77 31.5 22.0 40.8

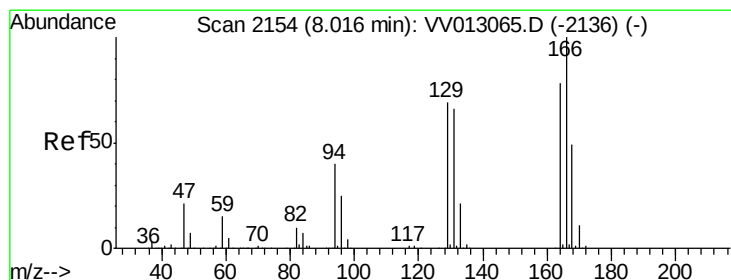
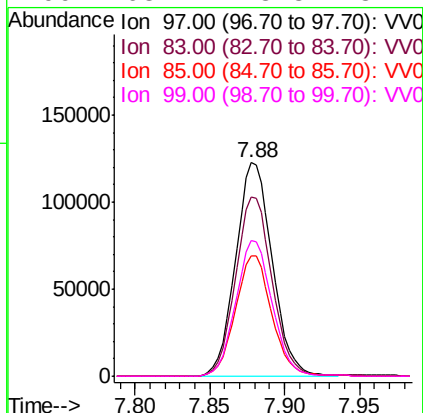
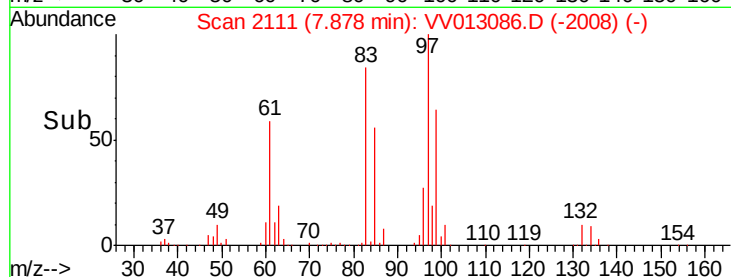
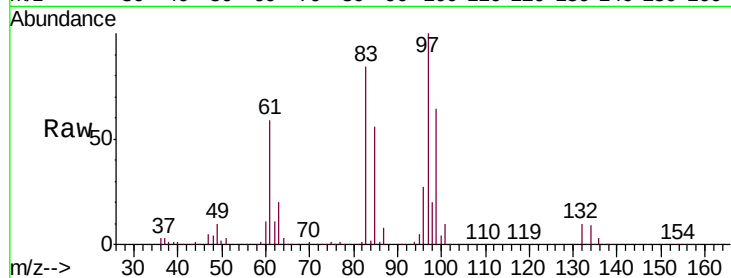




#46
 1,1,2-Trichloroethane
 Concen: 26.406 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV013086.D
 Acq: 10 Oct 2019 10:59

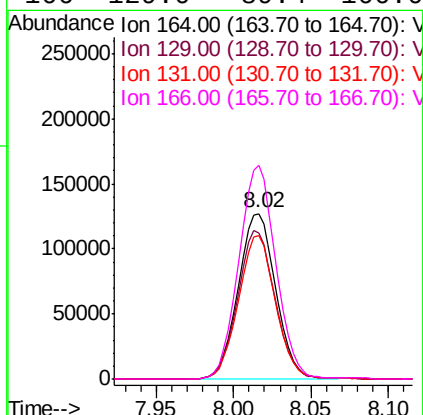
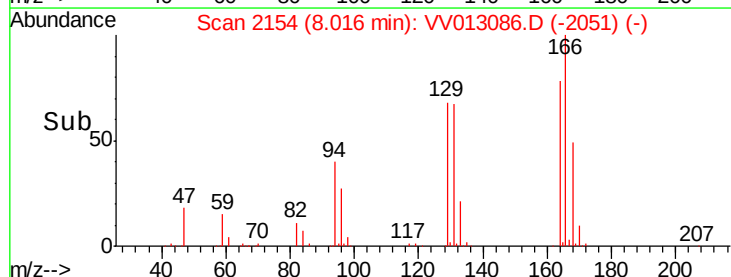
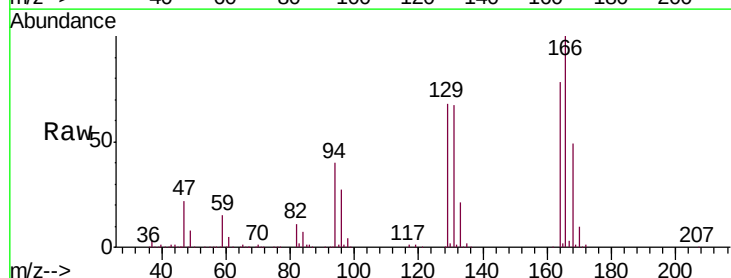
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02588

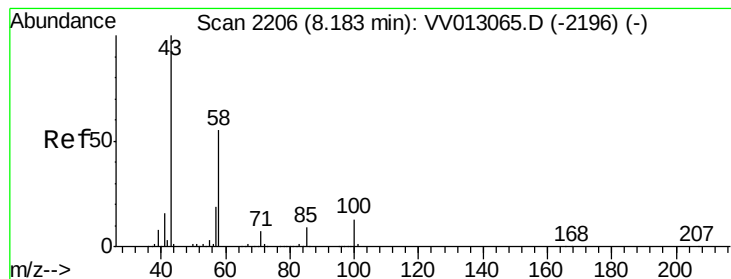
Tgt Ion:	97	Resp:	209297
Ion	Ratio	Lower	Upper
97	100		
83	84.1	58.9	109.5
85	56.4	38.4	71.2
99	63.7	43.8	81.4



#47
 Tetrachloroethene
 Concen: 26.260 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV013086.D
 Acq: 10 Oct 2019 10:59

Tgt Ion:	164	Resp:	213455
Ion	Ratio	Lower	Upper
164	100		
129	88.1	62.8	116.6
131	86.8	60.2	111.8
166	129.0	89.4	166.0





#49

2-Hexanone

Concen: 52.562 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VV013086.D

Acq: 10 Oct 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD02588

Tgt Ion: 43 Resp: 303915

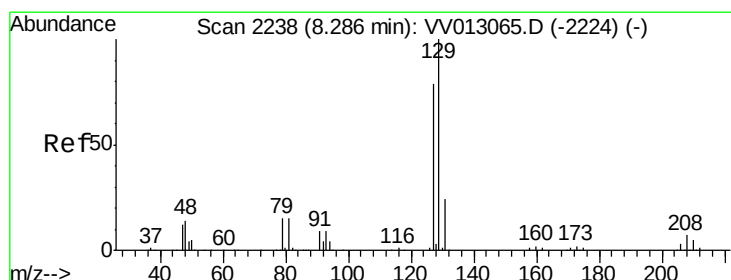
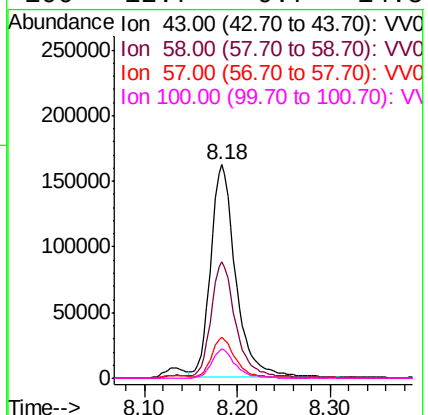
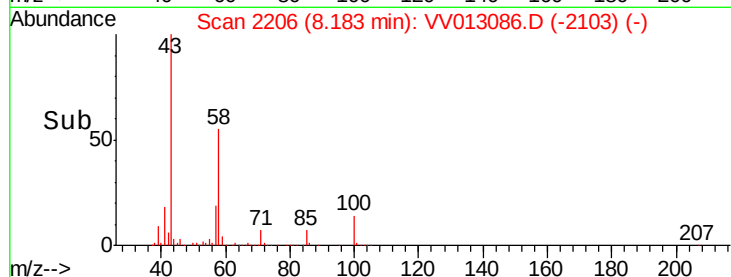
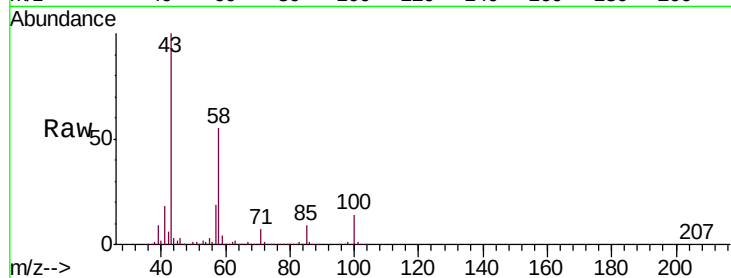
Ion Ratio Lower Upper

43 100

58 53.5 46.5 69.7

57 18.6 15.5 23.3

100 12.7 9.7 14.5



#50

Dibromochloromethane

Concen: 26.672 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. -0.00 min

Lab File: VV013086.D

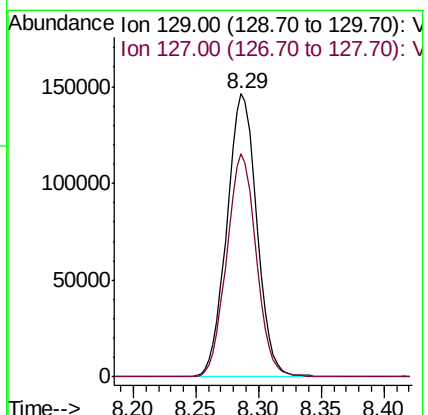
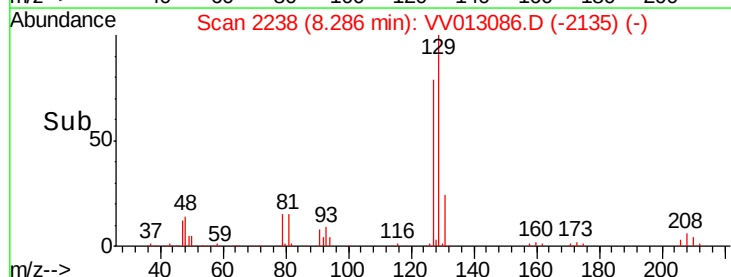
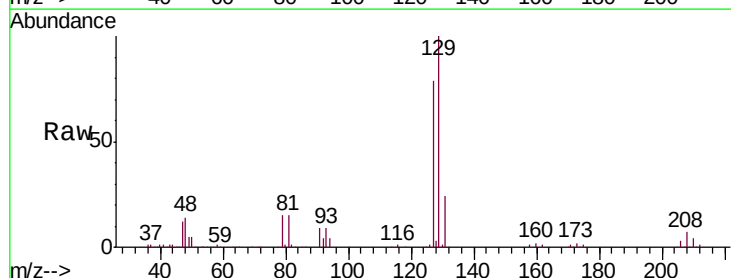
Acq: 10 Oct 2019 10:59

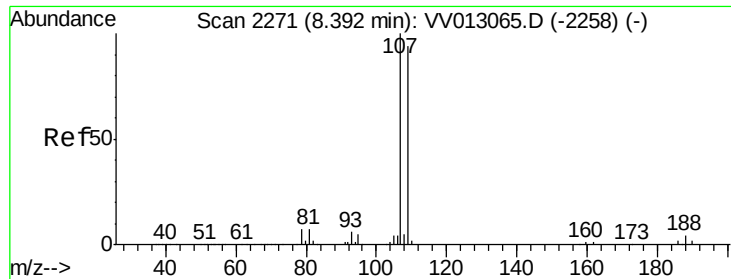
Tgt Ion: 129 Resp: 242981

Ion Ratio Lower Upper

129 100

127 78.8 53.7 99.7





#51

1,2-Dibromoethane

Concen: 26.087 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV013086.D

Acq: 10 Oct 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD02588

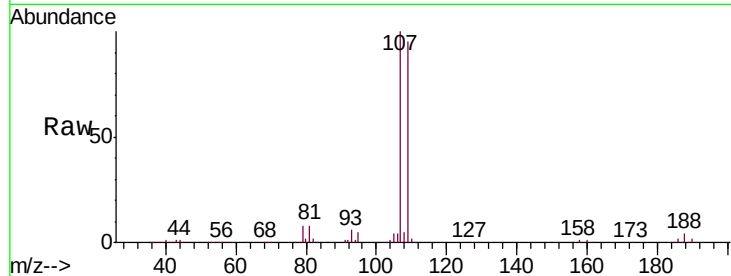
Tgt Ion:107 Resp: 202623

Ion Ratio Lower Upper

107 100

109 94.6 66.1 122.8

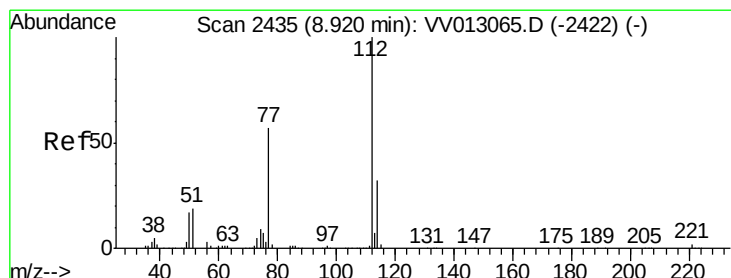
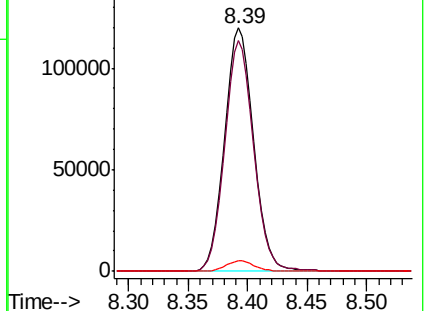
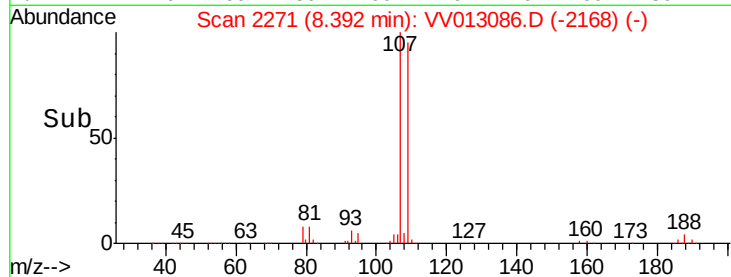
188 4.3 3.1 4.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 26.757 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV013086.D

Acq: 10 Oct 2019 10:59

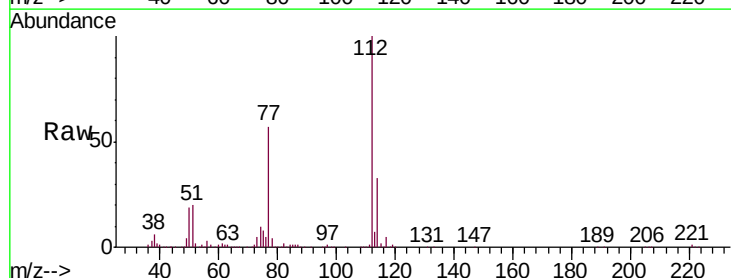
Tgt Ion:112 Resp: 699166

Ion Ratio Lower Upper

112 100

77 57.0 46.3 69.5

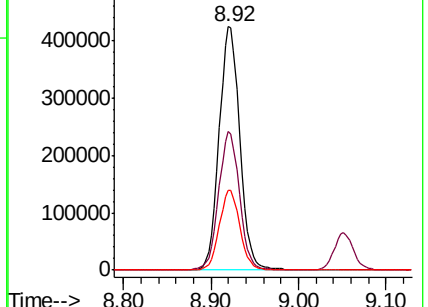
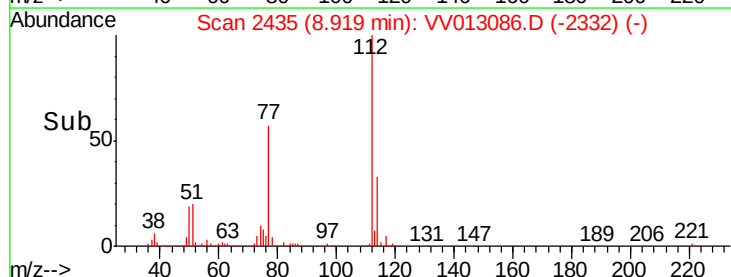
114 32.9 22.5 41.7

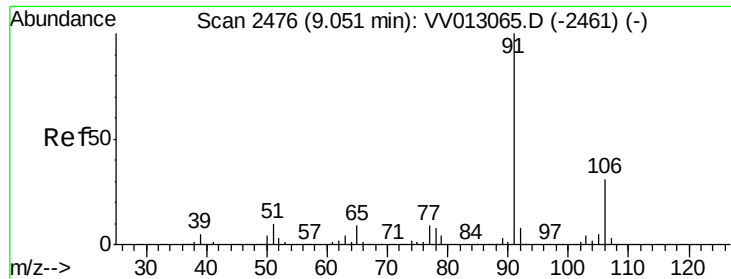


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 27.718 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013086.D

Acq: 10 Oct 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

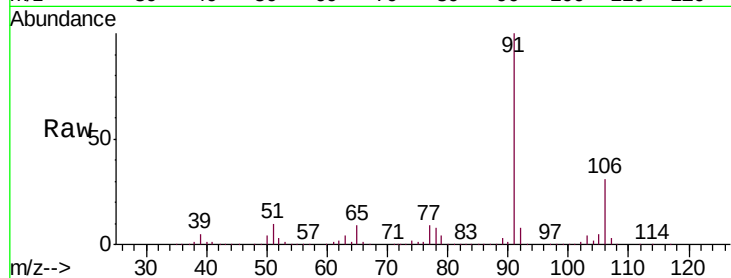
VSTD02588

Tgt Ion: 91 Resp: 115597

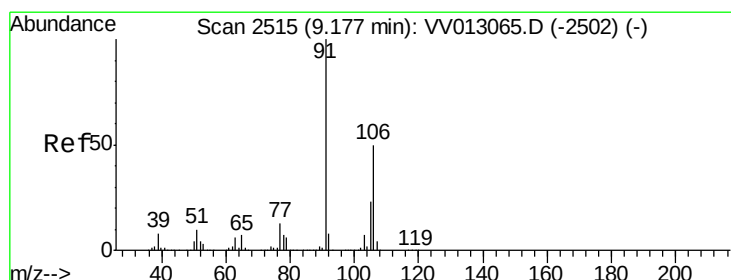
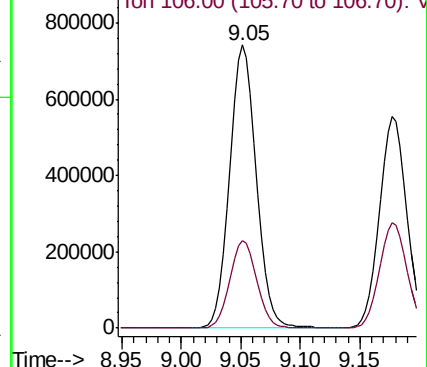
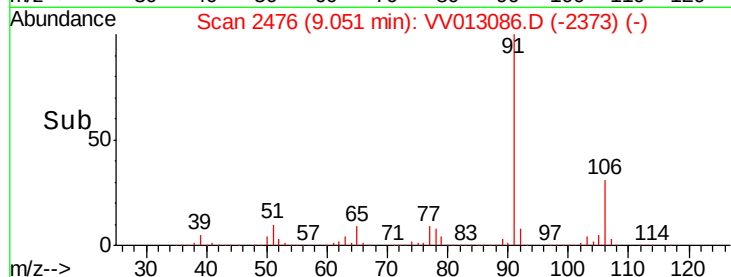
Ion Ratio Lower Upper

91 100

106 30.9 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV013086.D (-2373) (-)



#54

m,p-Xylene

Concen: 28.075 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013086.D

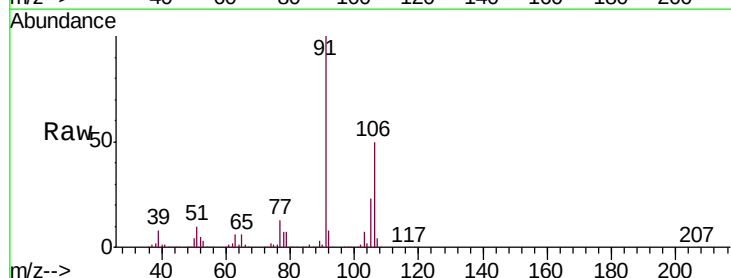
Acq: 10 Oct 2019 10:59

Tgt Ion: 106 Resp: 444972

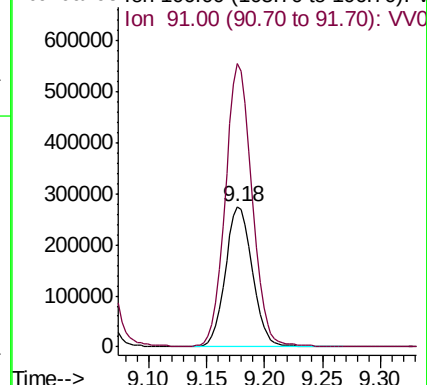
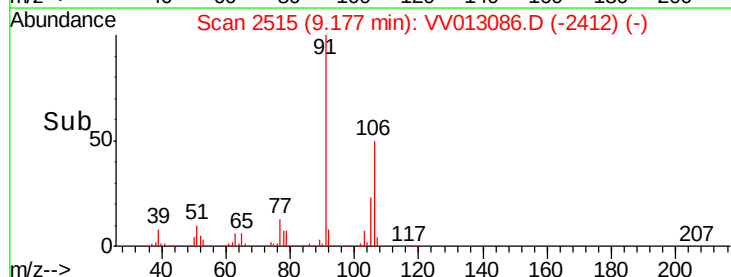
Ion Ratio Lower Upper

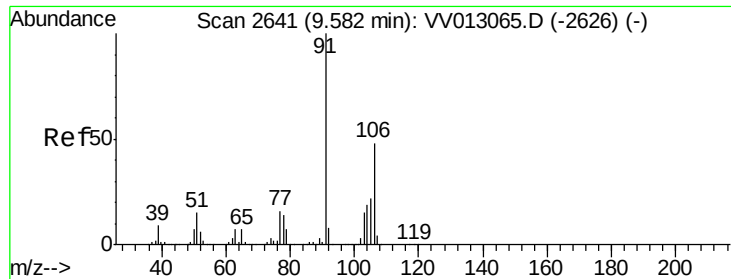
106 100

91 201.3 140.1 260.3



Abundance Ion 106.00 (105.70 to 106.70): VV013086.D (-2412) (-)





#55

o-xylene

Concen: 28.228 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013086.D

Acq: 10 Oct 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

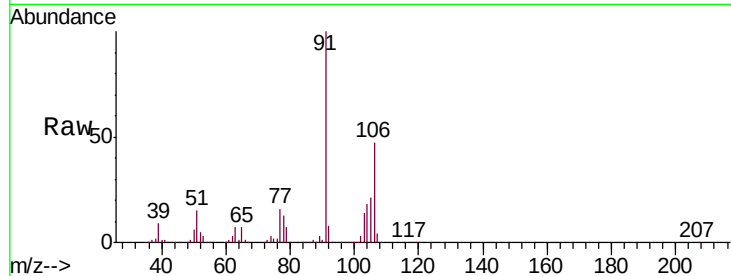
VSTD02588

Tgt Ion:106 Resp: 426296

Ion Ratio Lower Upper

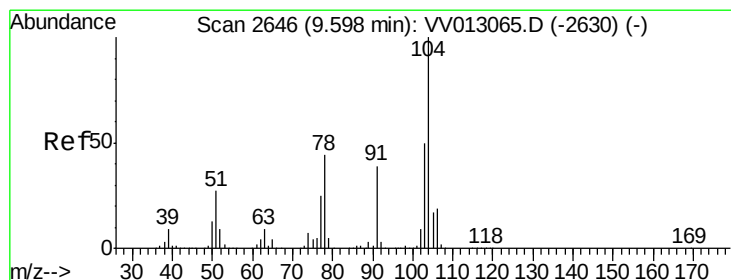
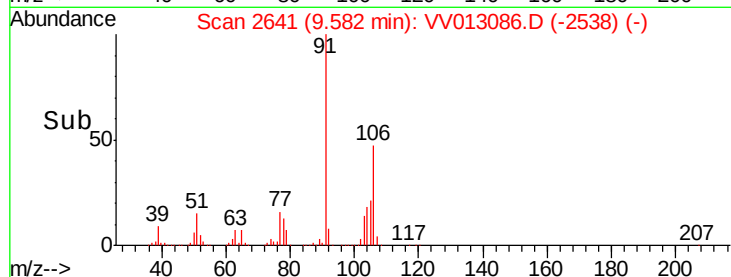
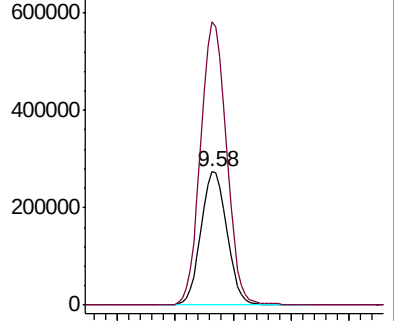
106 100

91 212.4 148.8 276.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 28.779 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013086.D

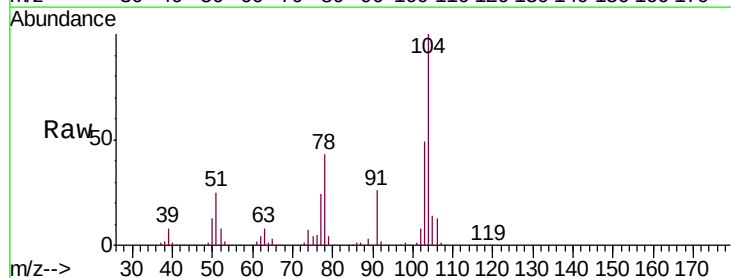
Acq: 10 Oct 2019 10:59

Tgt Ion:104 Resp: 764701

Ion Ratio Lower Upper

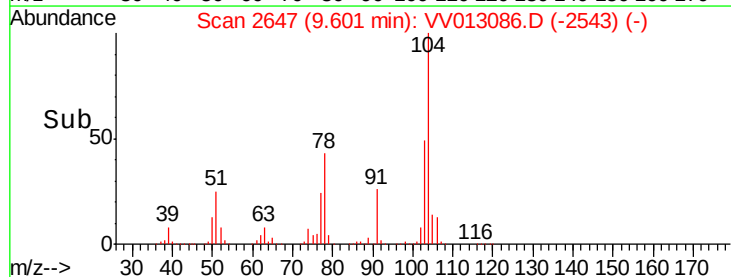
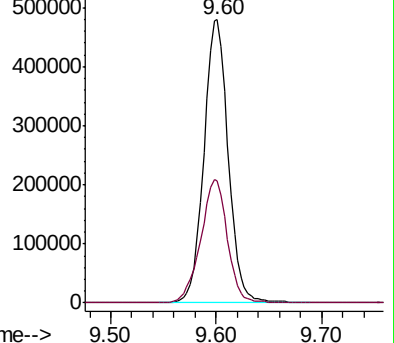
104 100

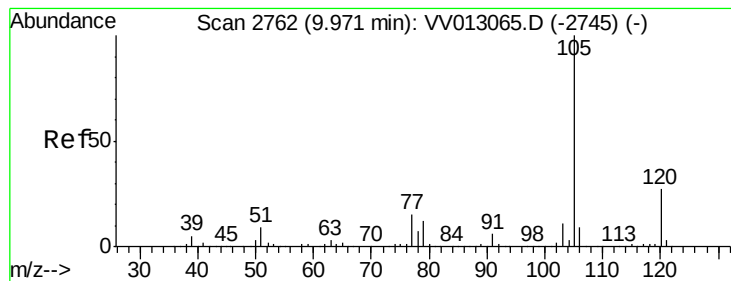
78 42.9 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 28.465 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013086.D

Acq: 10 Oct 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD02588

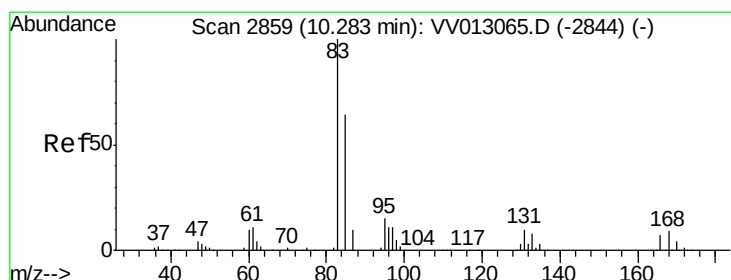
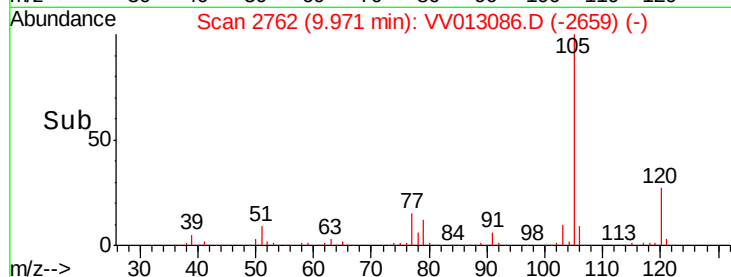
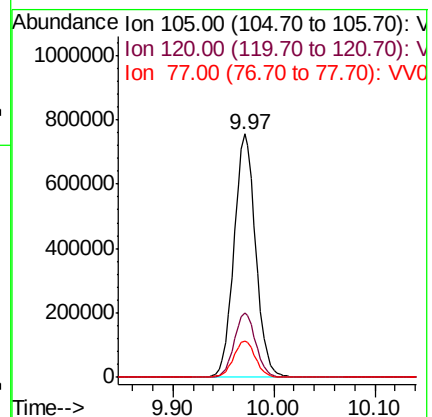
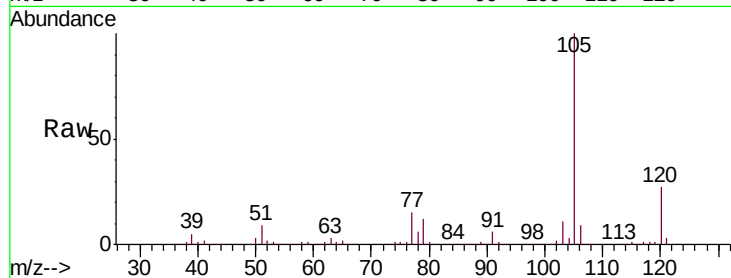
Tgt Ion:105 Resp: 1129721

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.0

77 15.5 12.2 18.4



#58

1,1,2,2-Tetrachloroethane

Concen: 25.847 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV013086.D

Acq: 10 Oct 2019 10:59

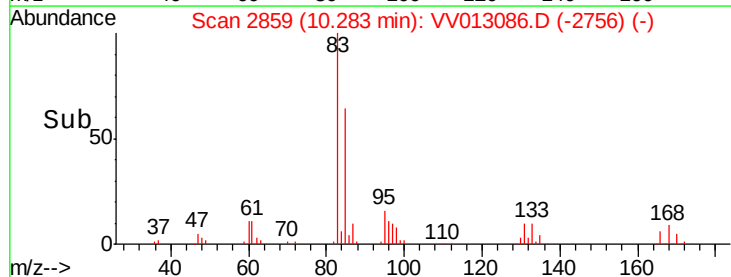
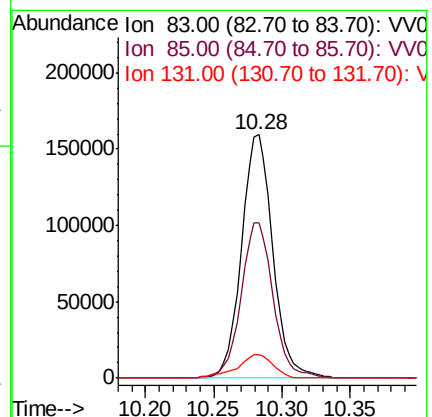
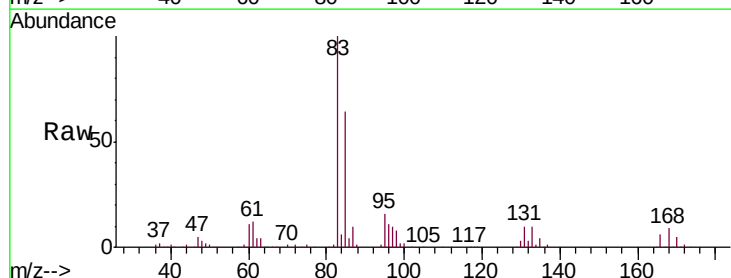
Tgt Ion: 83 Resp: 253416

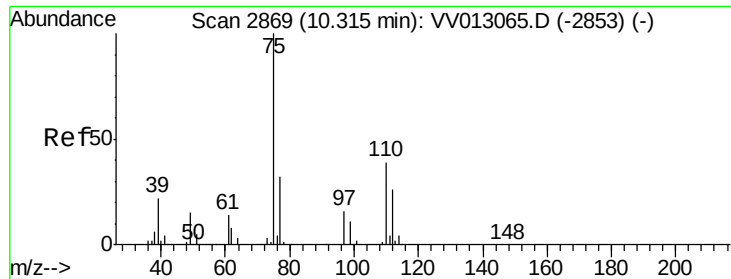
Ion Ratio Lower Upper

83 100

85 64.0 45.4 84.2

131 9.8 8.2 12.2





#59

1,2,3-Trichloropropane

Concen: 24.905 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV013086.D

Acq: 10 Oct 2019 10:59

Instrument :

MSVOA_V

ClientSampled :

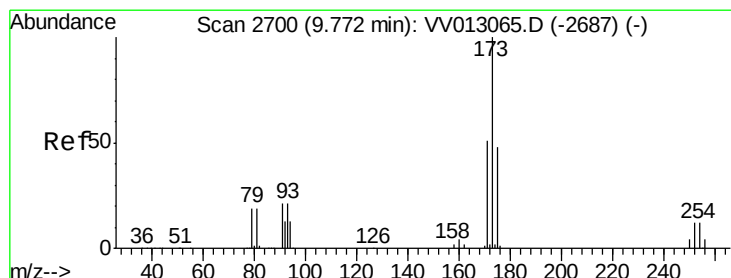
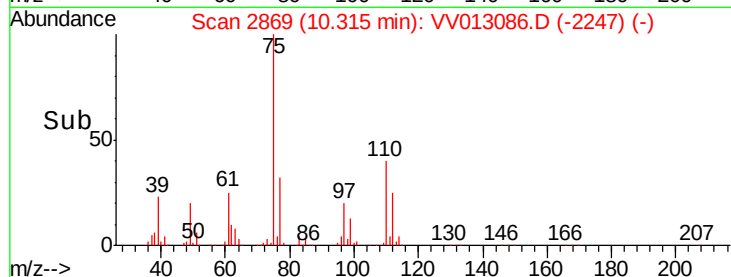
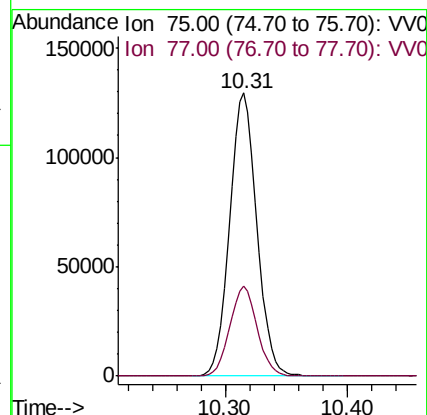
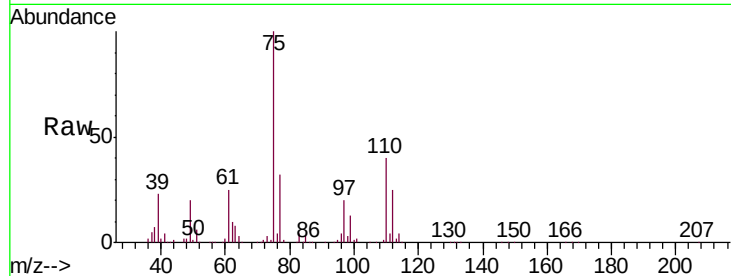
VSTD02588

Tgt Ion: 75 Resp: 201539

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



#62

Bromoform

Concen: 26.117 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013086.D

Acq: 10 Oct 2019 10:59

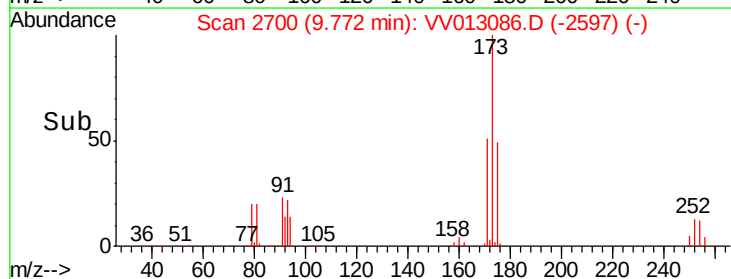
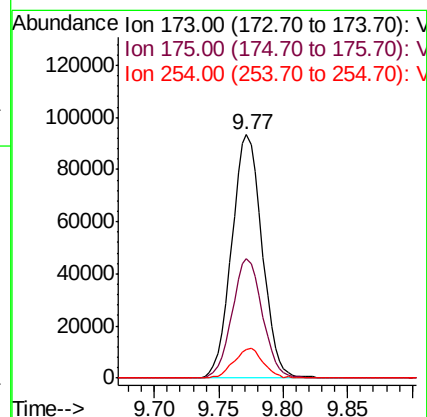
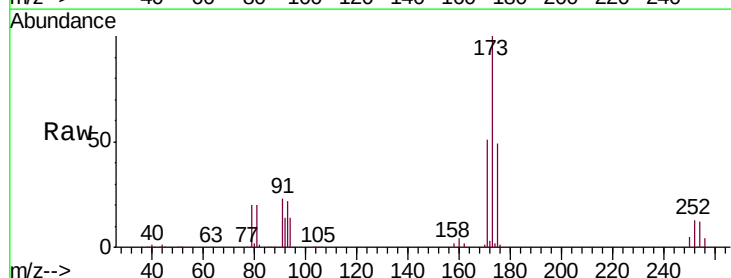
Tgt Ion: 173 Resp: 152646

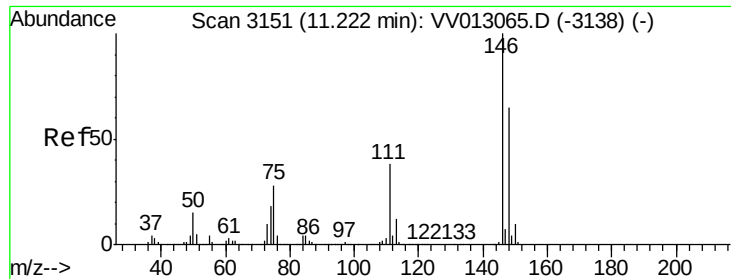
Ion Ratio Lower Upper

173 100

175 49.0 39.5 59.3

254 11.5 9.1 13.7

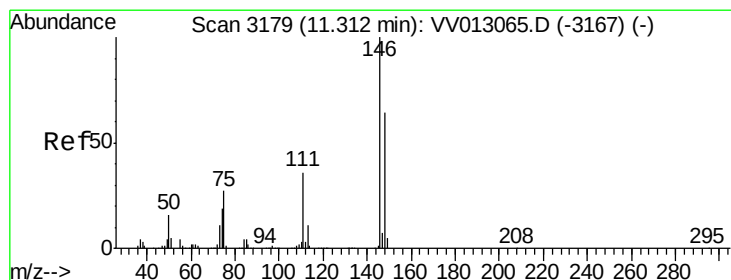
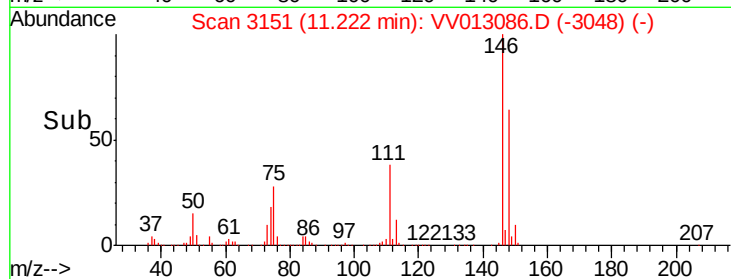
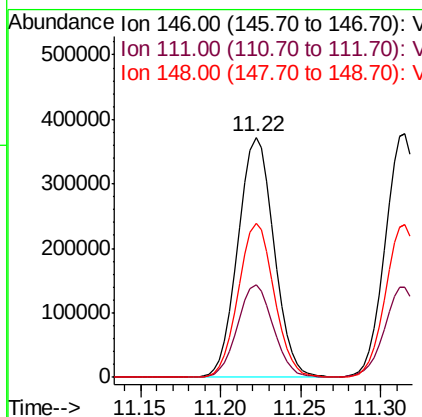
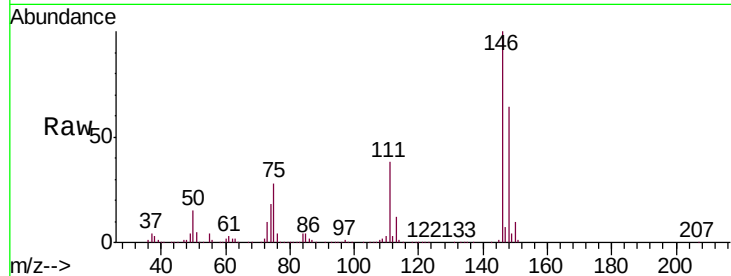




#63
 1,3-Dichlorobenzene
 Concen: 26.892 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: VV013086.D
 Acq: 10 Oct 2019 10:59

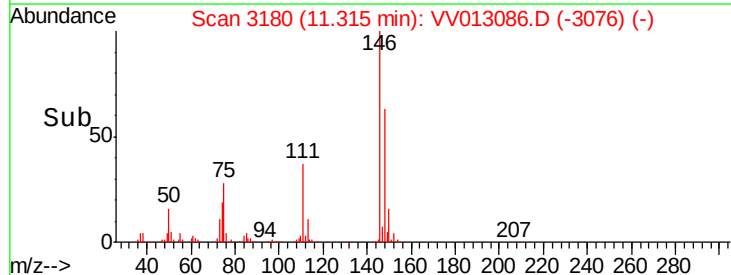
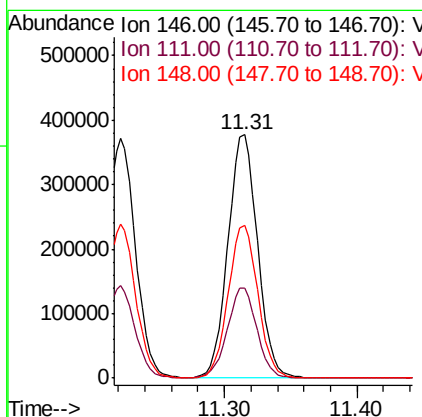
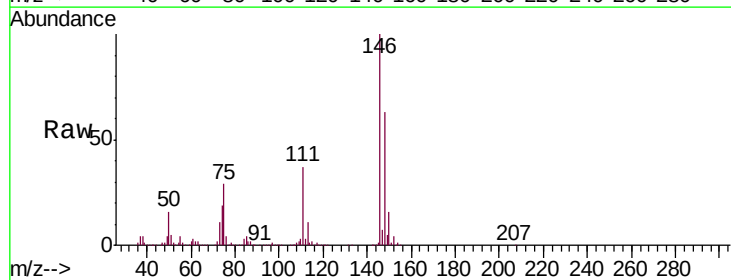
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02588

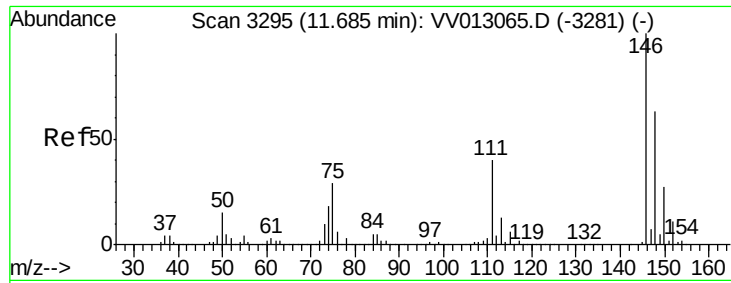
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	26.7	49.7
148	64.4	43.9	81.5



#64
 1,4-Dichlorobenzene
 Concen: 26.207 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013086.D
 Acq: 10 Oct 2019 10:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	25.5	47.3
148	62.5	45.1	83.9

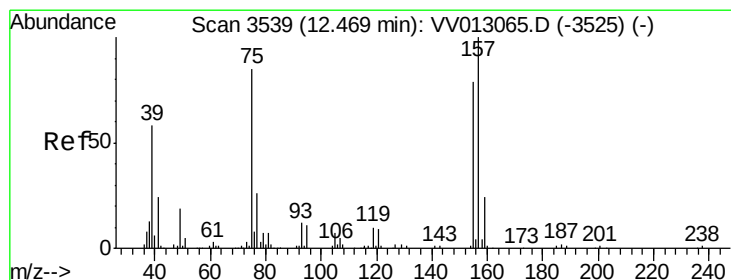
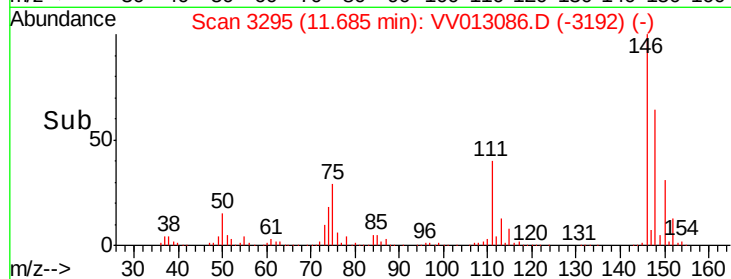
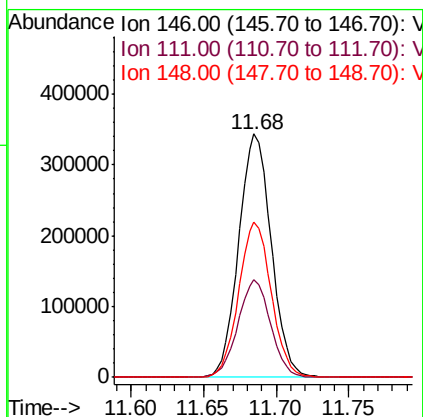
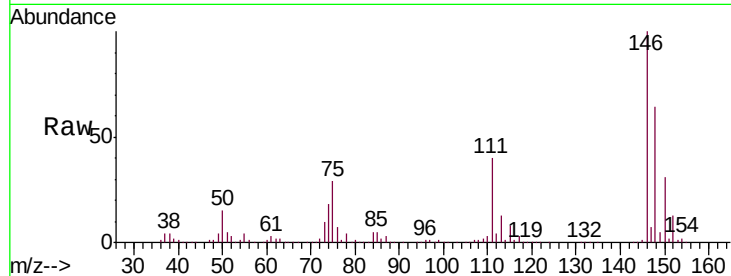




#65
 1,2-Dichlorobenzene
 Concen: 26.567 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013086.D
 Acq: 10 Oct 2019 10:59

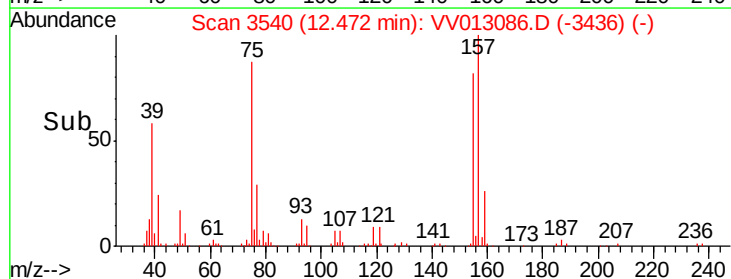
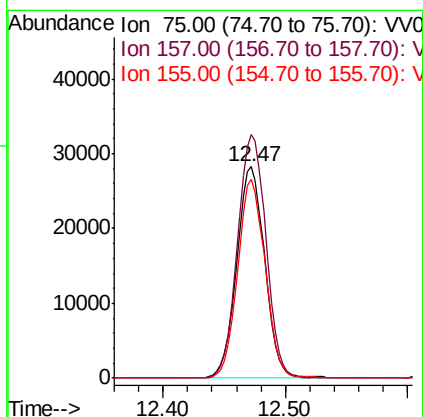
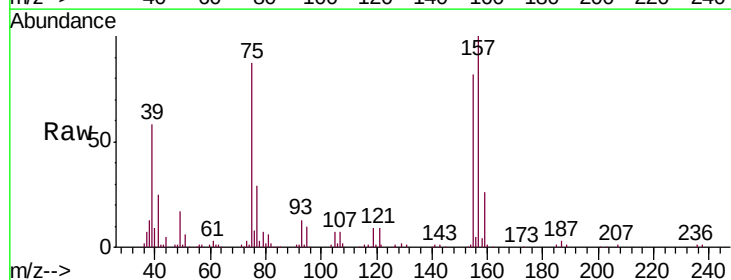
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02588

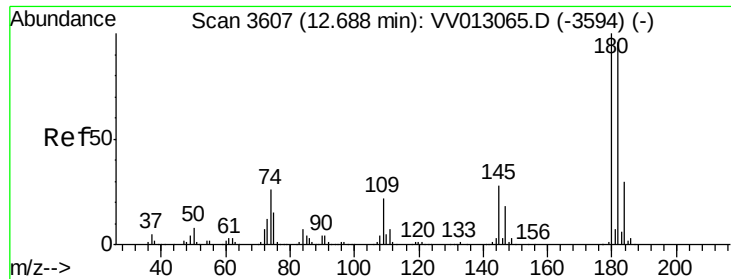
Tgt Ion: 146 Resp: 537255
 Ion Ratio Lower Upper
 146 100
 111 40.0 31.9 47.9
 148 63.6 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.967 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013086.D
 Acq: 10 Oct 2019 10:59

Tgt Ion: 75 Resp: 44763
 Ion Ratio Lower Upper
 75 100
 157 115.1 91.7 137.5
 155 94.3 70.8 106.2

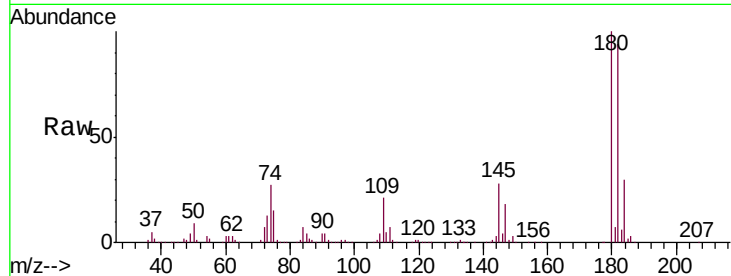




#67
 1,3,5-Trichlorobenzene
 Concen: 27.216 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013086.D
 Acq: 10 Oct 2019 10:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02588

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.4	114.6
184	30.4	24.6	37.0
145	27.8	22.2	33.4



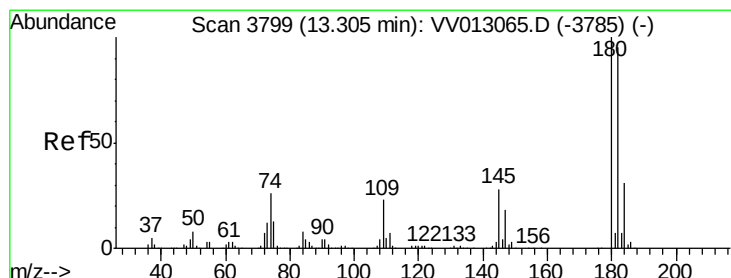
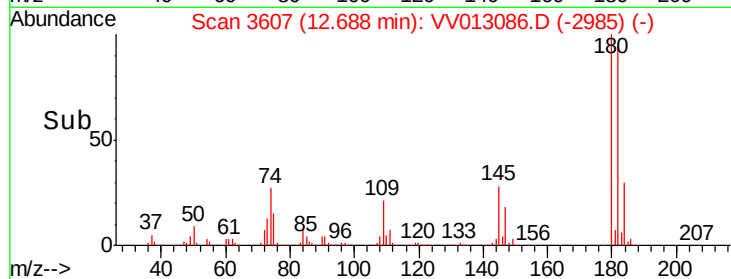
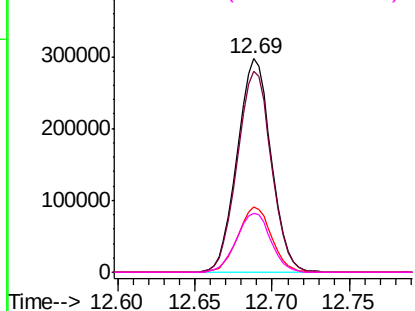
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

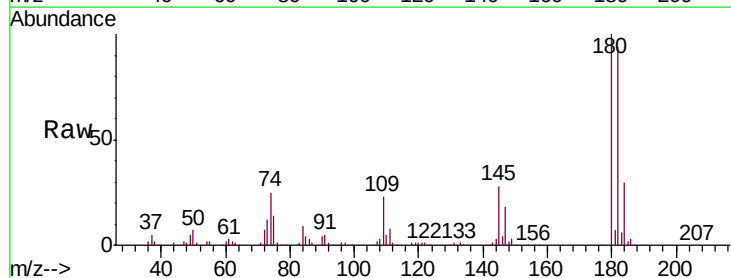
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.053 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013086.D
 Acq: 10 Oct 2019 10:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.8	115.2
145	28.2	22.6	34.0

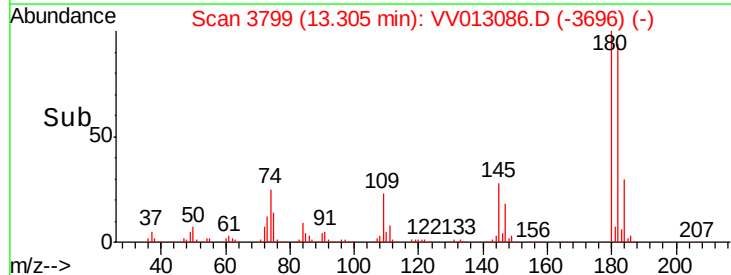
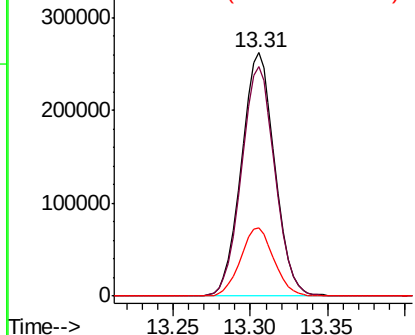


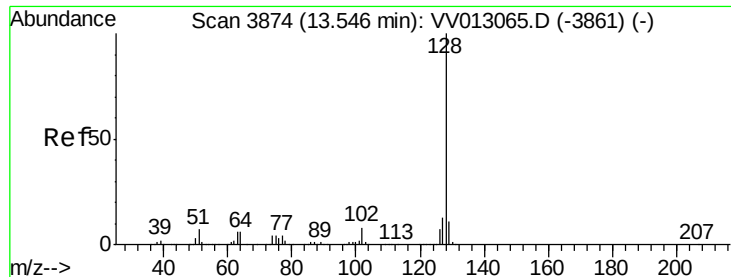
Abundance

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





#69

Naphthalene

Concen: 26.872 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013086.D

Acq: 10 Oct 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD02588

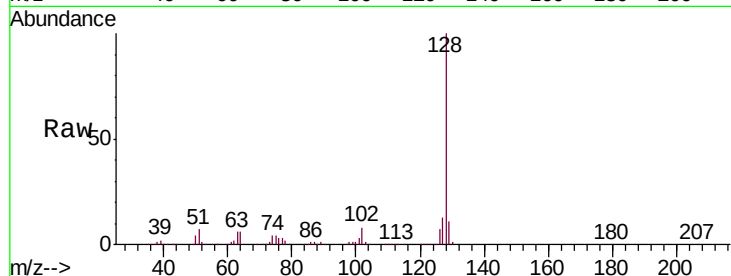
Tgt Ion:128 Resp: 783826

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

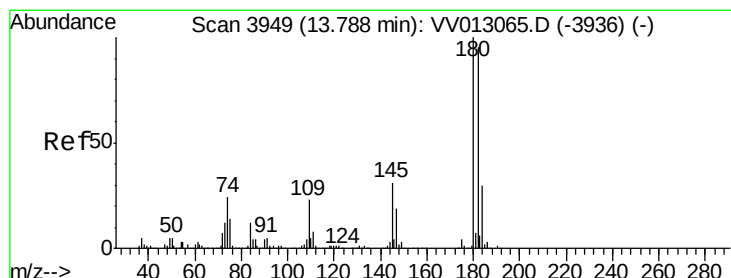
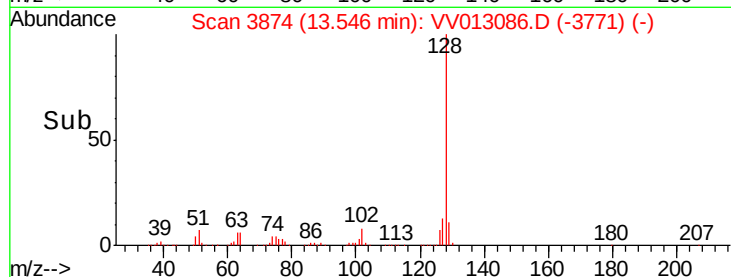
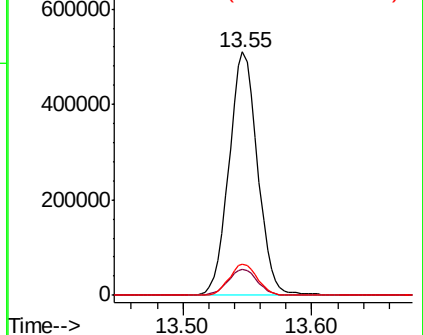
127 12.8 10.2 15.2



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: 27.753 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013086.D

Acq: 10 Oct 2019 10:59

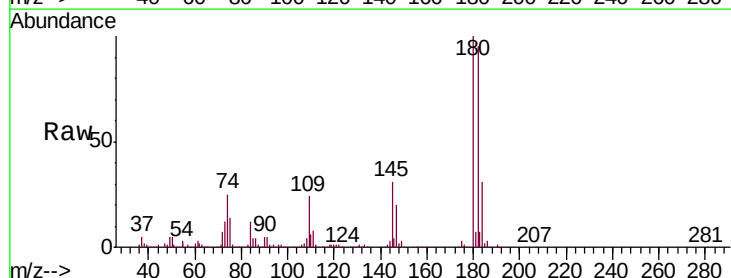
Tgt Ion:180 Resp: 386971

Ion Ratio Lower Upper

180 100

182 94.9 77.4 116.2

145 30.2 23.9 35.9



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

