

Data File : VV009295.D
Acq On : 13 Feb 2019 15:27
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV66

Quant Time: Feb 14 02:55:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM021319S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 13 15:25:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	322914	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	312134	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	158278	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	111135	21.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.64%
7) Chloroethane-d5	1.57	69	88433	22.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.68%
10) 1,1-Dichloroethene-d2	2.13	63	225670	22.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.72%
20) 2-Butanone-d5	3.93	46	74774	37.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.50%
24) Chloroform-d	4.40	84	219880	23.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.24%
26) 1,2-Dichloroethane-d4	5.08	65	127714	22.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.72%
29) Benzene-d6	5.10	84	419340	23.65	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.60%
33) 1,2-Dichloropropane-d6	6.12	67	133218	23.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.28%
37) Toluene-d8	7.36	98	398439	24.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.16%
38) trans-1,3-Dichloropropene-	7.66	79	61427	24.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.16%
39) 2-Hexanone-d5	8.13	63	50469	37.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.30%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	114370	20.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.16%
61) 1,2-Dichlorobenzene-d4	11.67	152	145917	22.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.28%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	115605	22.176	ug/L	98
3) Chloromethane	1.25	50	126879	21.444	ug/L	99
5) Vinyl chloride	1.32	62	130825	23.910	ug/L	98
6) Bromomethane	1.52	94	65245	26.501	ug/L	99
8) Chloroethane	1.59	64	75419	21.846	ug/L	97
9) Trichlorofluoromethane	1.76	101	188933	23.851	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	106320	24.171	ug/L	99
12) 1,1-Dichloroethene	2.14	96	92748	23.187	ug/L #	81
13) Acetone	2.19	43	110986	38.173	ug/L	99
14) Carbon disulfide	2.32	76	365475	23.813	ug/L	99
15) Methyl Acetate	2.46	43	68598	17.557	ug/L	99
16) Methylene chloride	2.53	84	124056	18.727	ug/L	100
17) Methyl tert-butyl Ether	2.80	73	278650	23.890	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	113067	24.209	ug/L	99
19) 1,1-Dichloroethane	3.23	63	220455	24.569	ug/L	98
21) 2-Butanone	4.02	43	114323	40.392	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	122448	24.743	ug/L	95

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Quant Title : VOC Analysis
QLast Update : Wed Feb 13 15:25:45 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	53170	23.867	ug/L	96
25) Chloroform	4.42	83	218549	24.252	ug/L	99
27) 1,2-Dichloroethane	5.18	62	156952	23.358	ug/L	98
30) Cyclohexane	4.72	56	209886	25.025	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	191738	25.017	ug/L	98
32) Carbon tetrachloride	4.87	117	168587	24.974	ug/L	99
34) Benzene	5.15	78	464771	24.866	ug/L	100
35) Trichloroethene	5.96	95	125815	25.285	ug/L	99
36) Methylcyclohexane	6.18	83	205148	25.314	ug/L	98
40) 1,2-Dichloropropane	6.22	63	122483	24.181	ug/L	100
41) Bromodichloromethane	6.55	83	159245	24.996	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	188712	25.549	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	184409	39.981	ug/L	100
44) Toluene	7.43	91	506997	25.555	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	165042	26.066	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	89822	23.174	ug/L	97
47) Tetrachloroethene	8.02	164	92172	23.559	ug/L	97
49) 2-Hexanone	8.18	43	161557	42.507	ug/L	99
50) Dibromochloromethane	8.29	129	106600	23.769	ug/L	99
51) 1,2-Dibromoethane	8.40	107	88067	23.117	ug/L	98
52) Chlorobenzene	8.93	112	319173	25.035	ug/L	98
53) Ethylbenzene	9.05	91	573857	25.972	ug/L	99
54) m,p-Xylene	9.18	106	217409	26.746	ug/L	97
55) o-xylene	9.59	106	206018	26.968	ug/L	97
56) Styrene	9.60	104	355524	27.164	ug/L	99
57) Isopropylbenzene	9.98	105	564073	26.516	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	119054	21.276	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	90268	20.764	ug/L	97
62) Bromoform	9.77	173	62512	22.062	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	253700	24.588	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	258554	24.473	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	241064	24.211	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	21929	18.934	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	193728	25.042	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	159574	25.975	ug/L	97
69) Naphthalene	13.55	128	308400	23.643	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	147263	25.065	ug/L	97

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

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VICV66

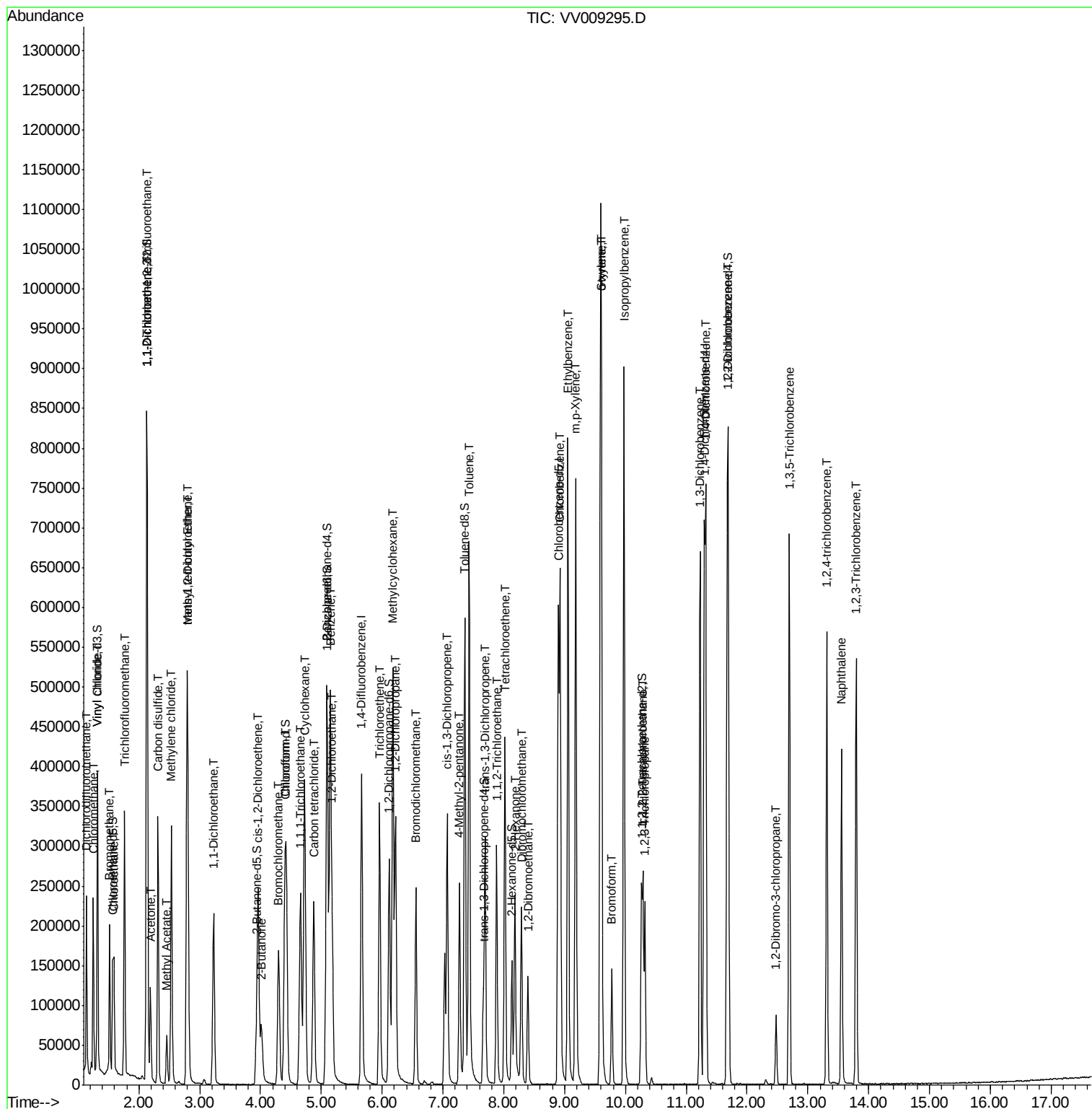
Quant Time: Feb 14 02:55:16 2019

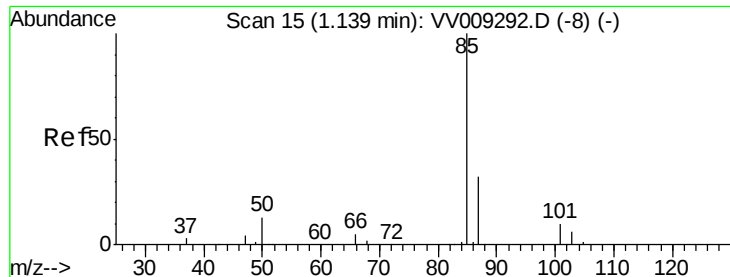
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM021319S.M

Quant Title : VOC Analysis

QLast Update : Wed Feb 13 15:25:45 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 22.176 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009295.D

Acq: 13 Feb 2019 15:27

Instrument :

MSVOA_V

ClientSampleId :

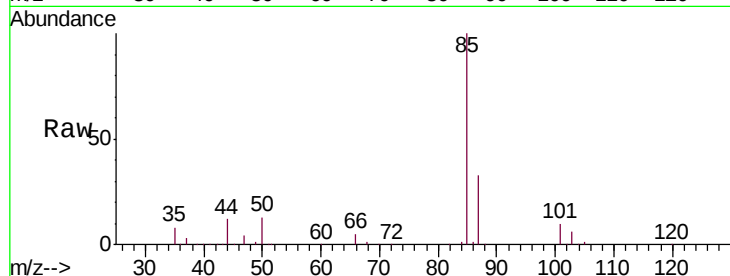
VICV66

Tgt Ion: 85 Resp: 115605

Ion Ratio Lower Upper

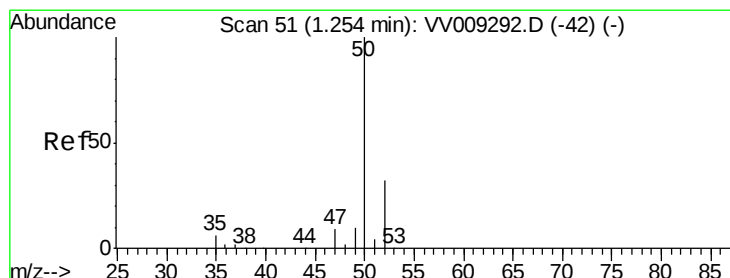
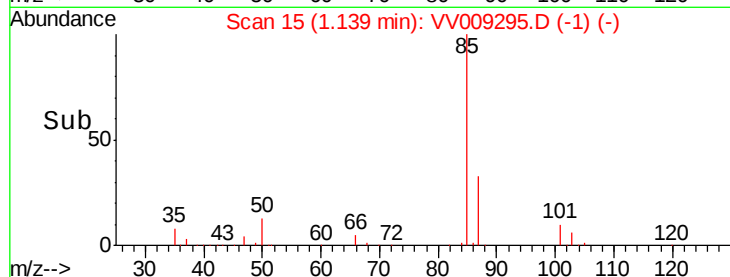
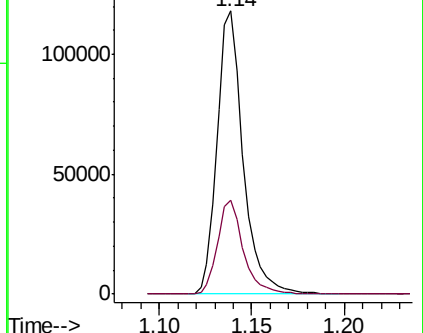
85 100

87 32.8 22.2 41.2



Abundance Ion 85.00 (84.70 to 85.70): VV009292.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009292.D (-8) (-)



#3

Chloromethane

Concen: 21.444 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.01 min

Lab File: VV009295.D

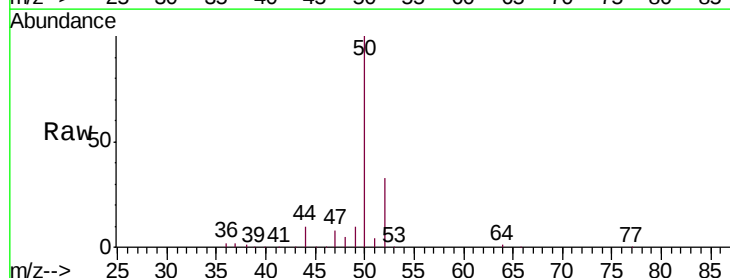
Acq: 13 Feb 2019 15:27

Tgt Ion: 50 Resp: 126879

Ion Ratio Lower Upper

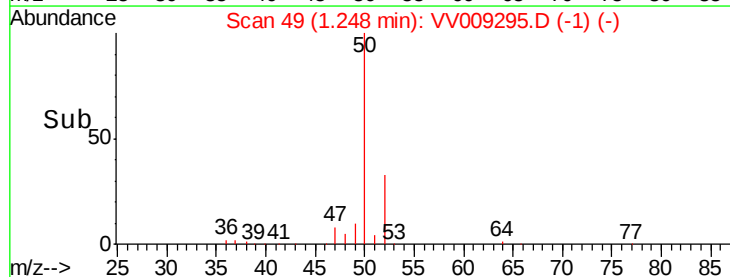
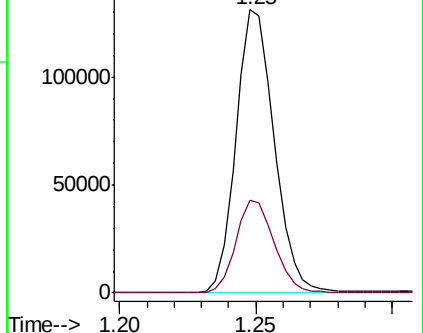
50 100

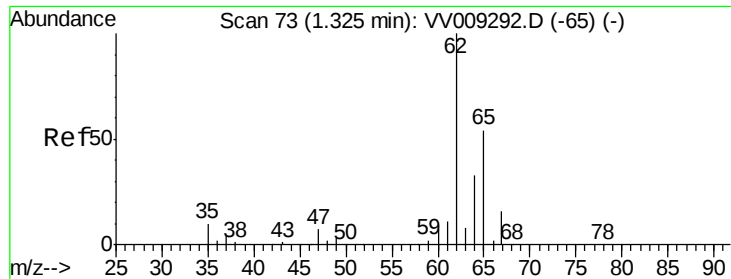
52 32.6 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VV009292.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV009292.D (-42) (-)





#5

Vinyl chloride

Concen: 23.910 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009295.D

Acq: 13 Feb 2019 15:27

Instrument :

MSVOA_V

ClientSampleId :

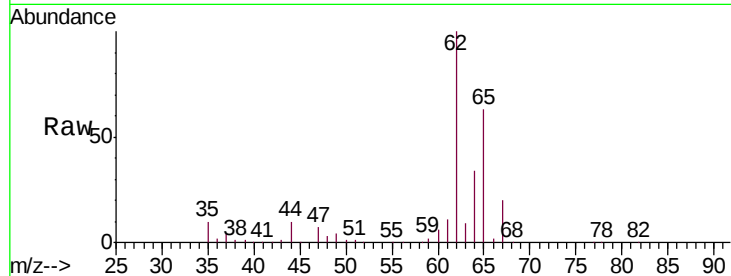
VICV66

Tgt Ion: 62 Resp: 130825

Ion Ratio Lower Upper

62 100

64 33.6 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VV009292.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV009292.D (-65) (-)

1.32

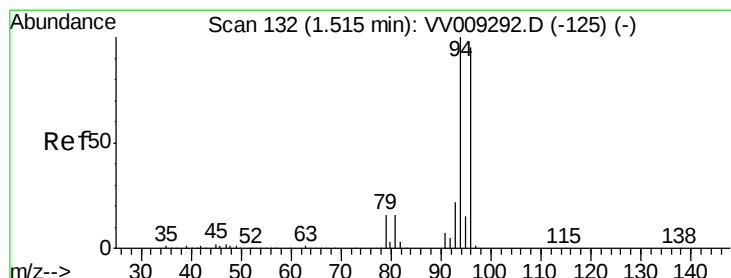
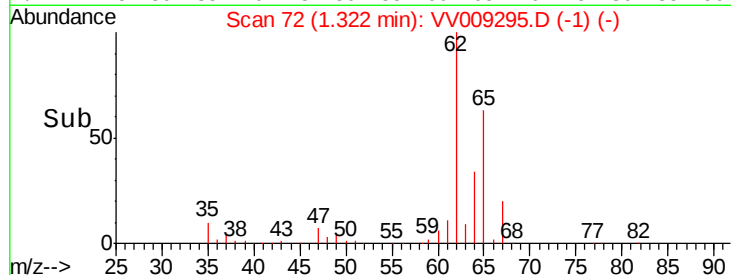
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 26.501 ug/L

RT: 1.52 min Scan# 133

Delta R.T. 0.00 min

Lab File: VV009295.D

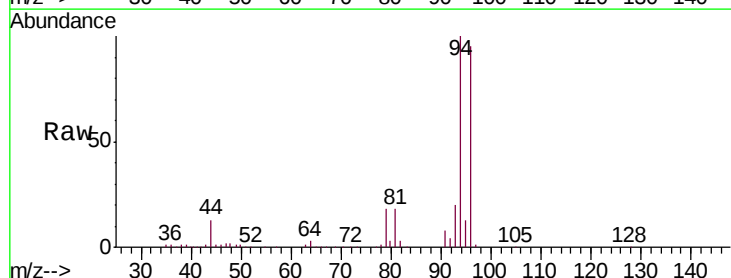
Acq: 13 Feb 2019 15:27

Tgt Ion: 94 Resp: 65245

Ion Ratio Lower Upper

94 100

96 94.5 9.6 182.0



Abundance Ion 94.00 (93.70 to 94.70): VV009292.D (-125) (-)

Ion 96.00 (95.70 to 96.70): VV009292.D (-125) (-)

1.52

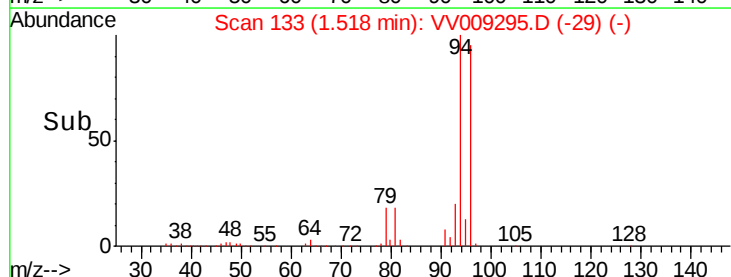
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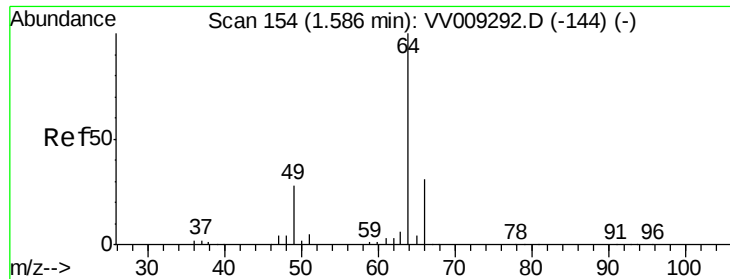
40000

20000

0

Time-->





#8

Chloroethane

Concen: 21.846 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.00 min

Lab File: VV009295.D

Acq: 13 Feb 2019 15:27

Instrument :

MSVOA_V

ClientSampleId :

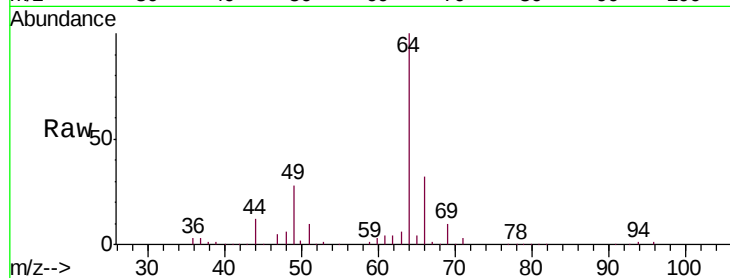
VICV66

Tgt Ion: 64 Resp: 75419

Ion Ratio Lower Upper

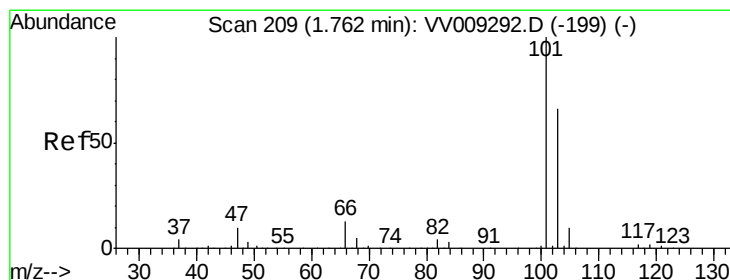
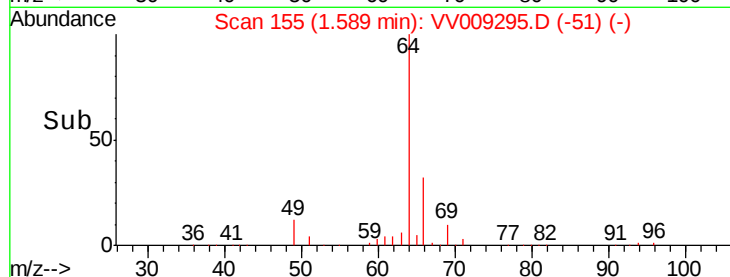
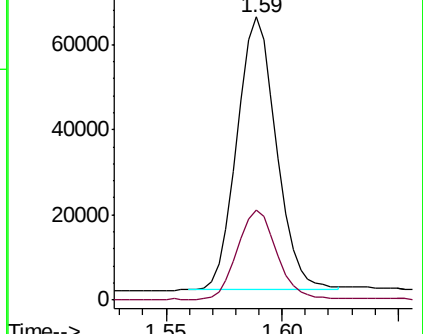
64 100

66 31.7 21.1 39.3



Abundance Ion 64.00 (63.70 to 64.70): VV009292.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV009292.D (-144) (-)



#9

Trichlorofluoromethane

Concen: 23.851 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV009295.D

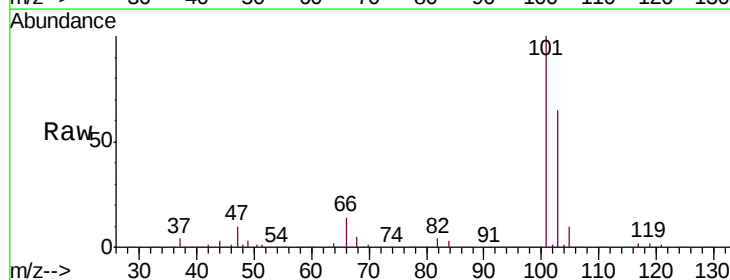
Acq: 13 Feb 2019 15:27

Tgt Ion: 101 Resp: 188933

Ion Ratio Lower Upper

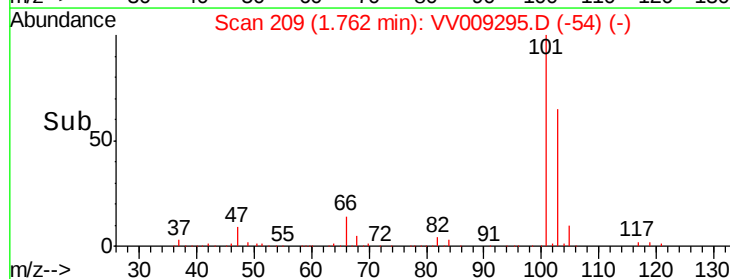
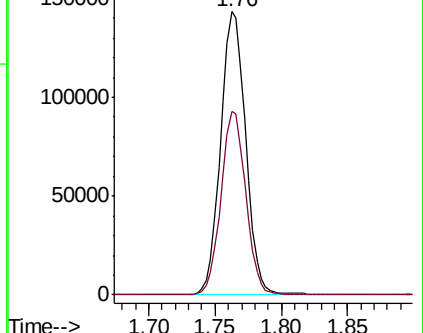
101 100

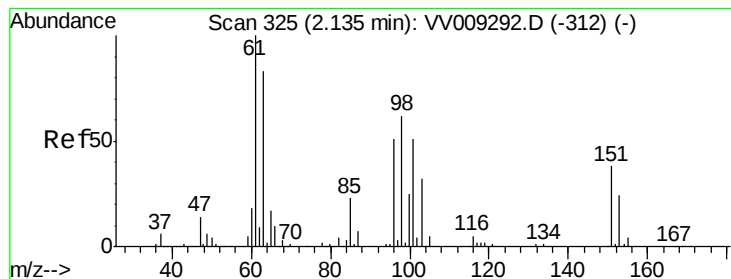
103 63.7 45.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): VV009292.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV009292.D (-199) (-)





#11

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

Concen: 24.171 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009295.D

Acq: 13 Feb 2019 15:27

Instrument :

MSVOA_V

ClientSampled :

VICV66

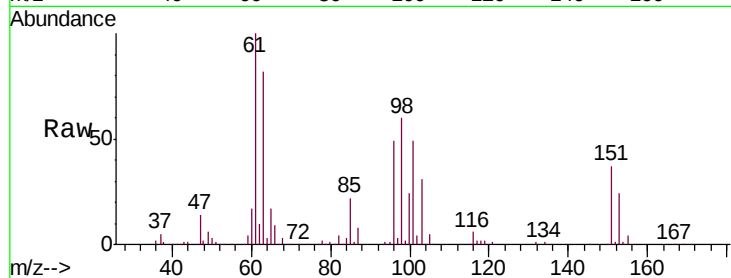
Tgt Ion: 101 Resp: 106320

Ion Ratio Lower Upper

101 100

85 45.2 36.2 54.2

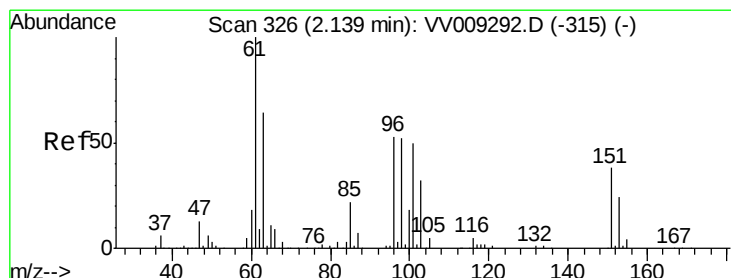
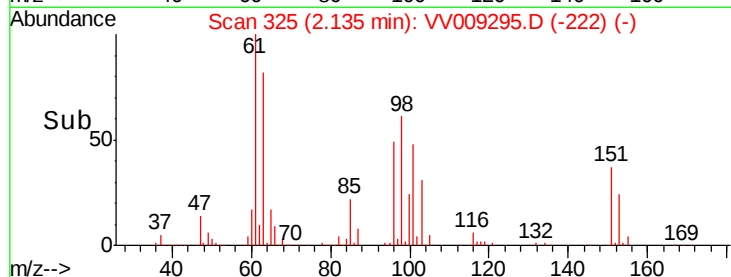
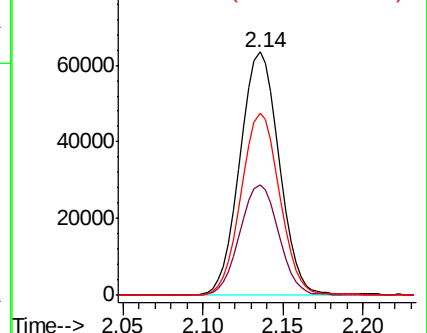
151 73.7 59.9 89.9



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: 23.187 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009295.D

Acq: 13 Feb 2019 15:27

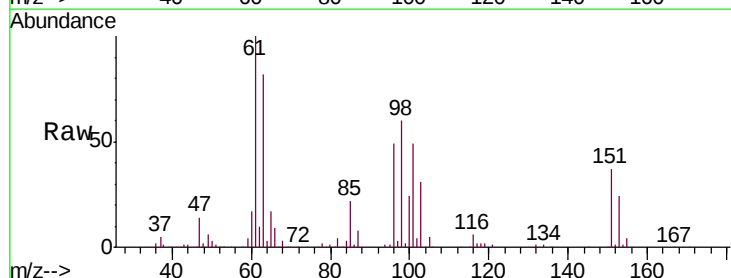
Tgt Ion: 96 Resp: 92748

Ion Ratio Lower Upper

96 100

61 202.9 131.8 244.8

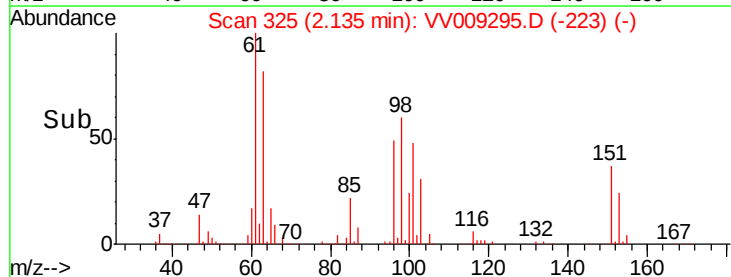
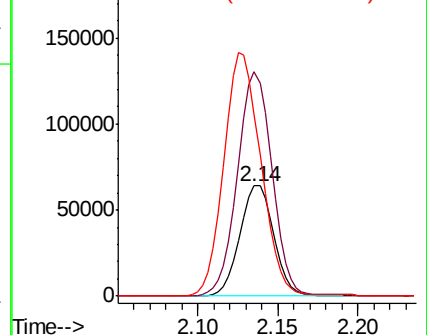
63 165.4 88.8 165.0#

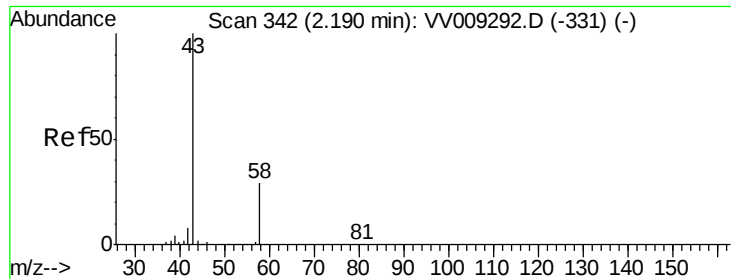


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 38.173 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV009295.D

Acq: 13 Feb 2019 15:27

Instrument :

MSVOA_V

ClientSampleId :

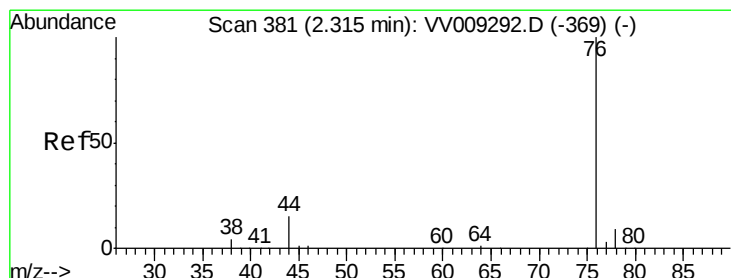
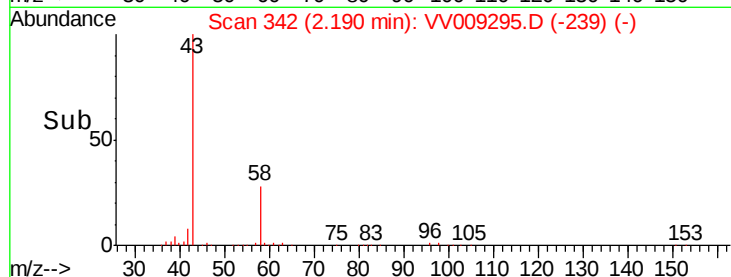
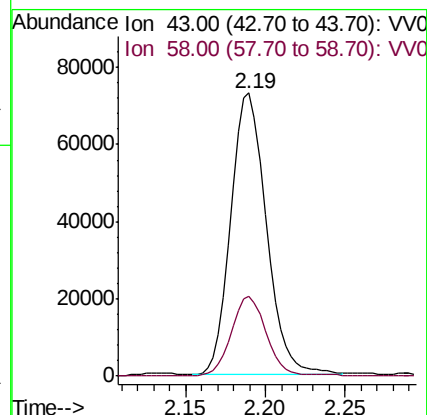
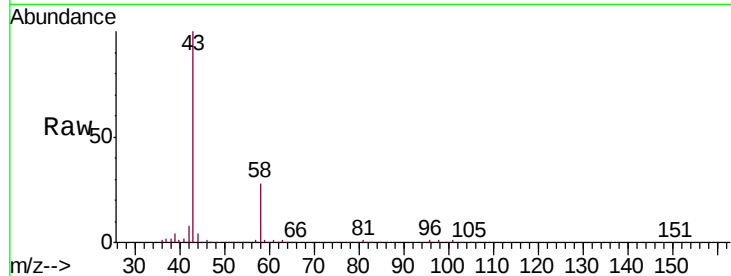
VICV66

Tgt Ion: 43 Resp: 110986

Ion Ratio Lower Upper

43 100

58 27.8 0.0 57.2



#14

Carbon disulfide

Concen: 23.813 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009295.D

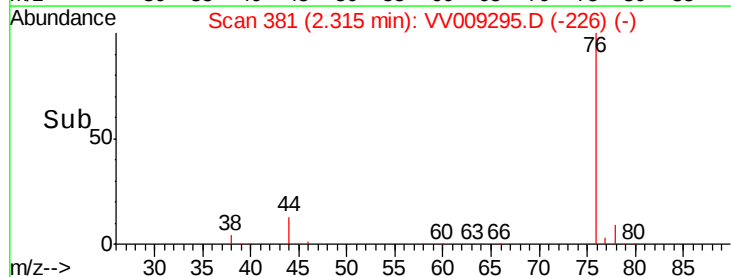
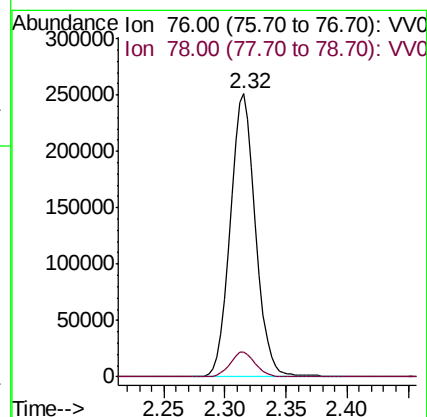
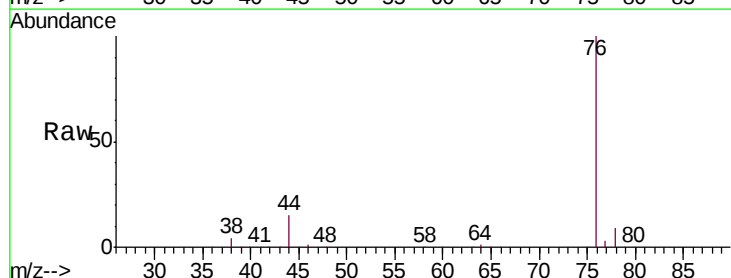
Acq: 13 Feb 2019 15:27

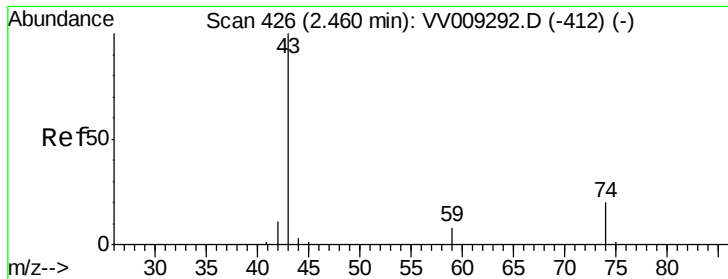
Tgt Ion: 76 Resp: 365475

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

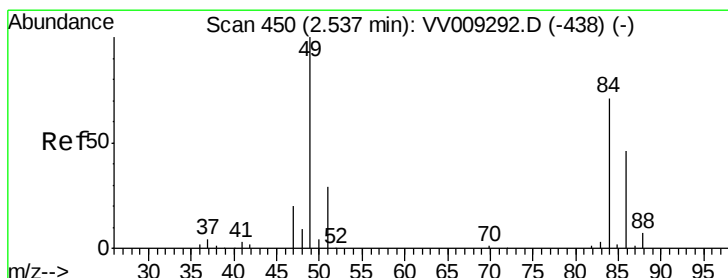
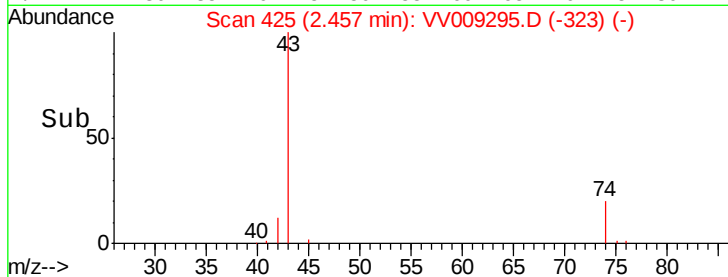
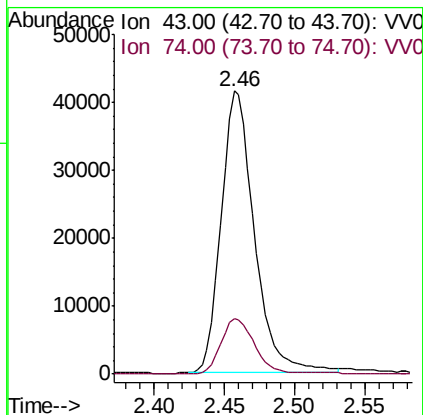
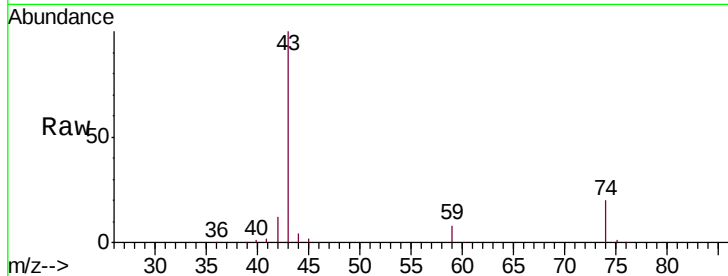




#15
Methyl Acetate
Concen: 17.557 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV009295.D
Acq: 13 Feb 2019 15:27

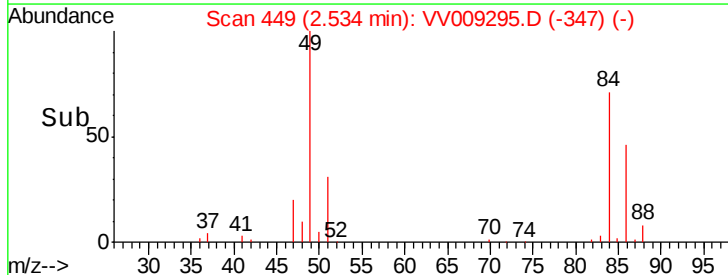
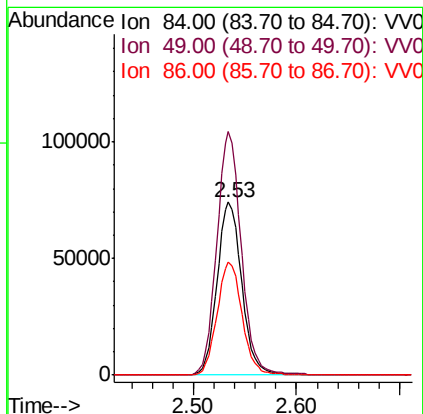
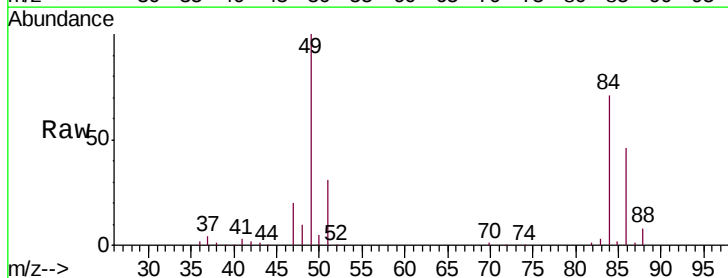
Instrument :
MSVOA_V
ClientSampleId :
VICV66

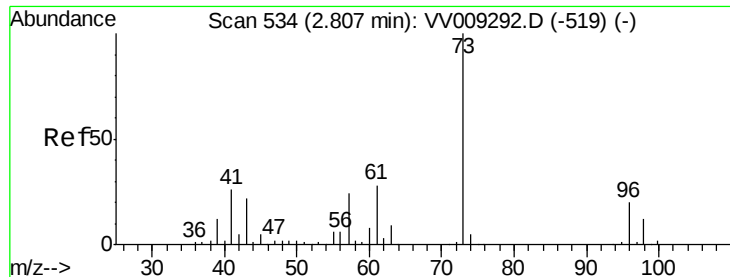
Tgt Ion: 43 Resp: 68598
Ion Ratio Lower Upper
43 100
74 19.7 16.3 24.5



#16
Methylene chloride
Concen: 18.727 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009295.D
Acq: 13 Feb 2019 15:27

Tgt Ion: 84 Resp: 124056
Ion Ratio Lower Upper
84 100
49 140.6 98.4 182.8
86 64.9 45.1 83.7

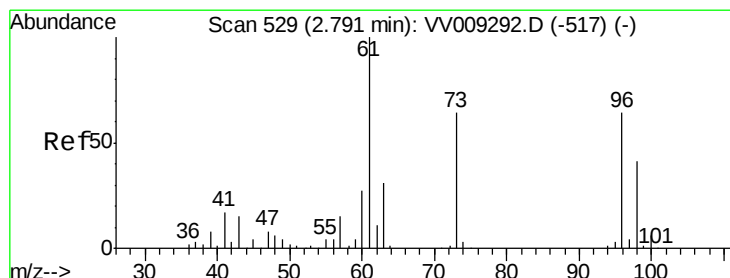
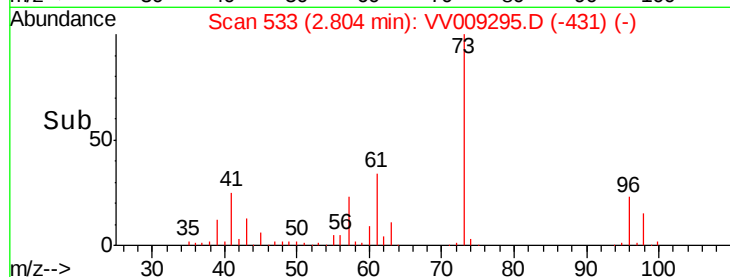
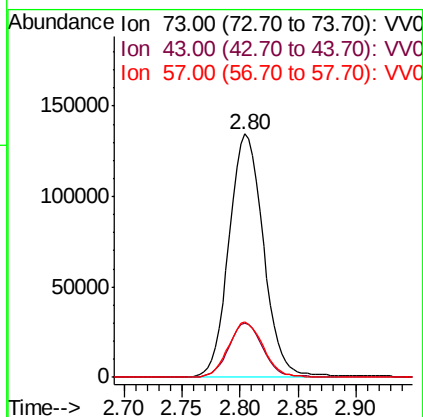
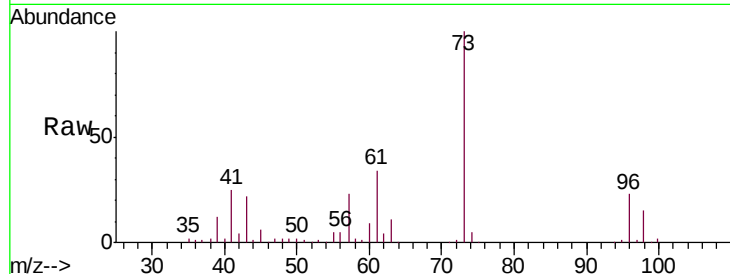




#17
Methyl tert-butyl Ether
Concen: 23.890 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV009295.D
Acq: 13 Feb 2019 15:27

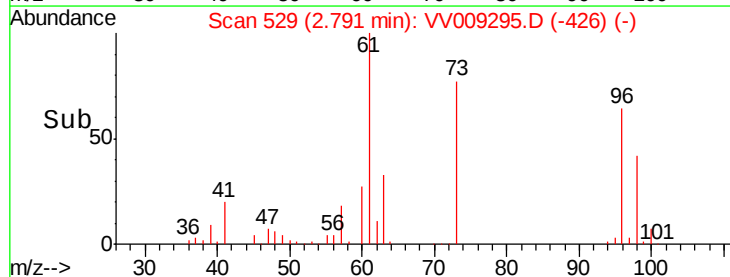
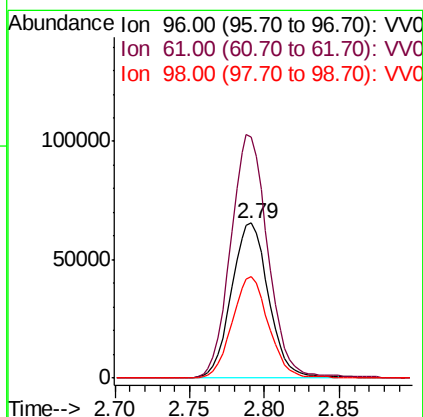
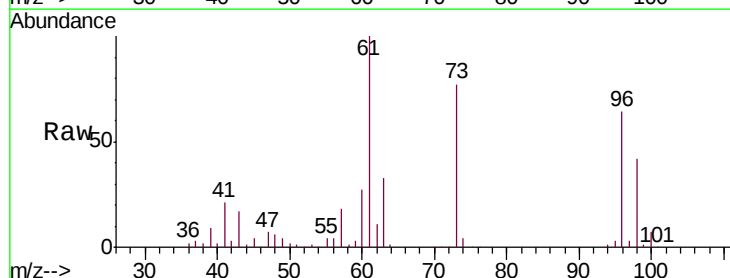
Instrument :
MSVOA_V
ClientSampled :
VICV66

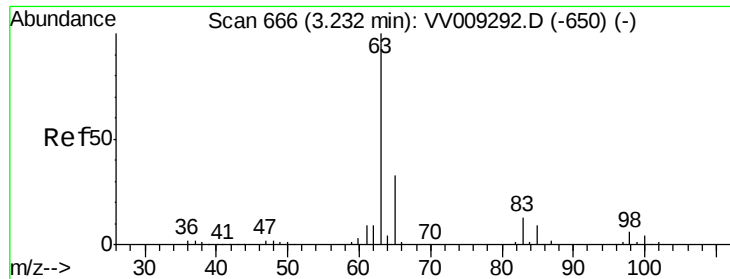
Tgt Ion: 73 Resp: 278650
Ion Ratio Lower Upper
73 100
43 22.3 18.2 27.4
57 23.0 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 24.209 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV009295.D
Acq: 13 Feb 2019 15:27

Tgt Ion: 96 Resp: 113067
Ion Ratio Lower Upper
96 100
61 155.9 109.0 202.4
98 65.7 44.3 82.3

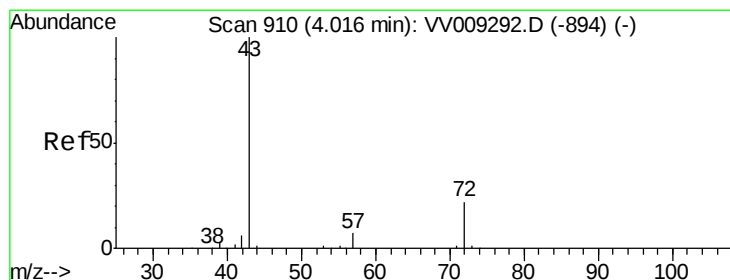
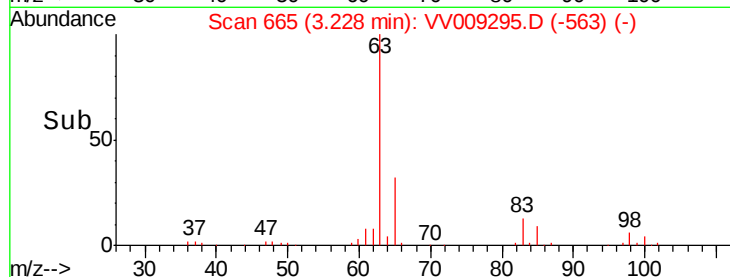
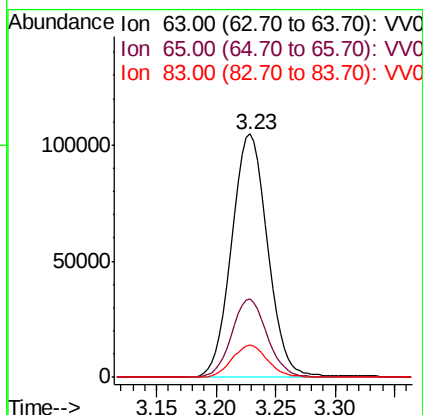
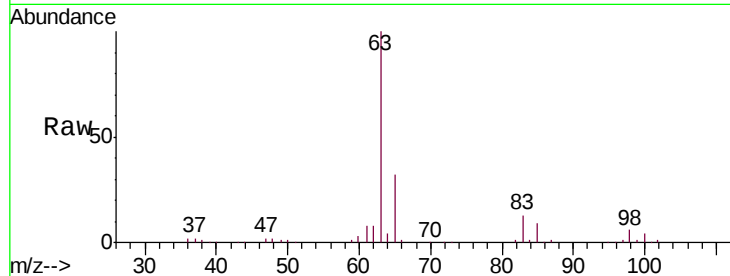




#19
 1,1-Dichloroethane
 Concen: 24.569 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009295.D
 Acq: 13 Feb 2019 15:27

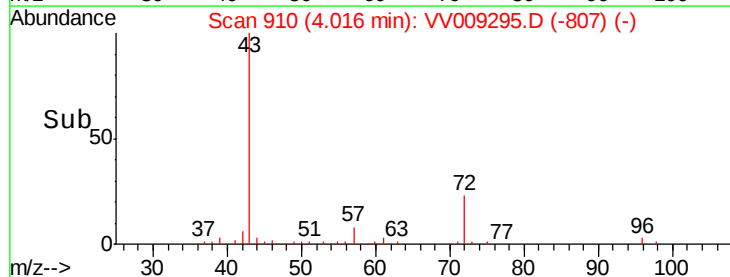
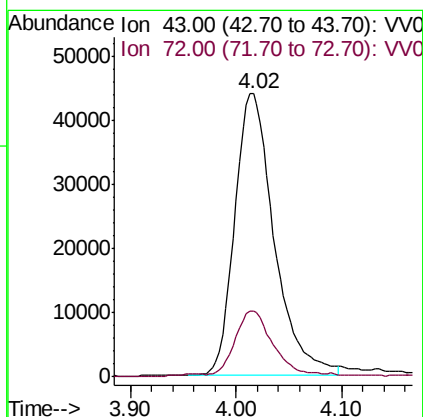
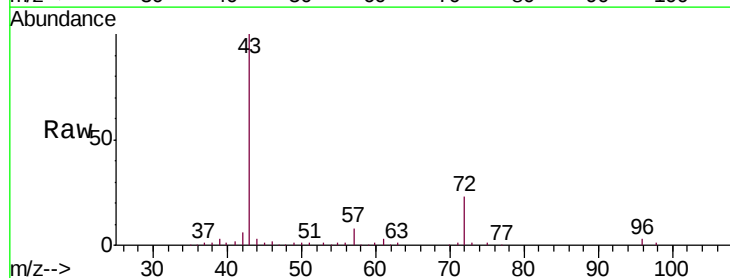
Instrument :
 MSVOA_V
 ClientSampled :
 VICV66

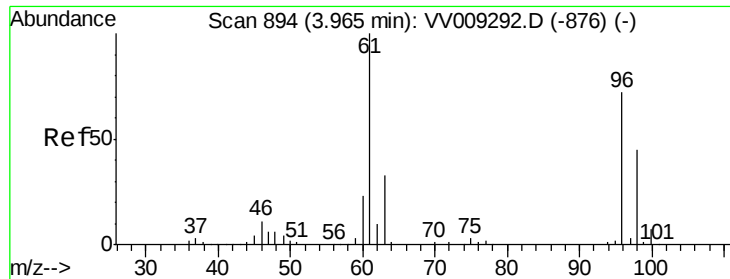
Tgt Ion: 63 Resp: 220455
 Ion Ratio Lower Upper
 63 100
 65 32.0 23.3 43.3
 83 13.4 9.1 16.9



#21
 2-Butanone
 Concen: 40.392 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VV009295.D
 Acq: 13 Feb 2019 15:27

Tgt Ion: 43 Resp: 114323
 Ion Ratio Lower Upper
 43 100
 72 21.9 11.3 33.8



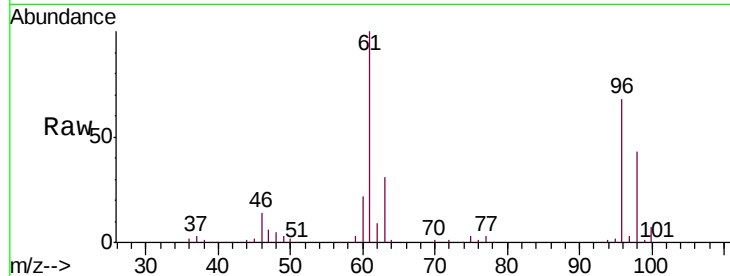


#22

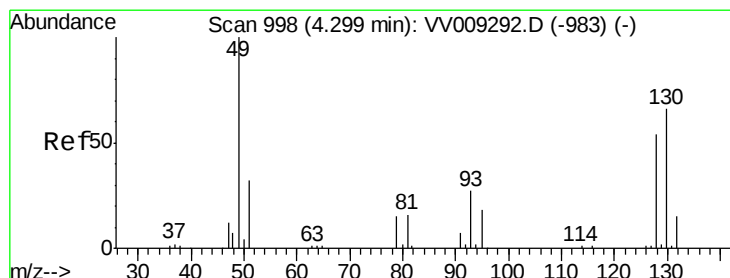
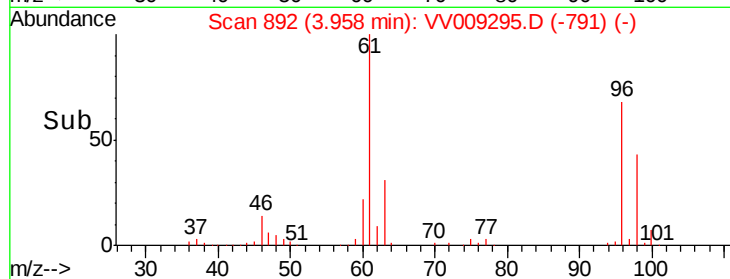
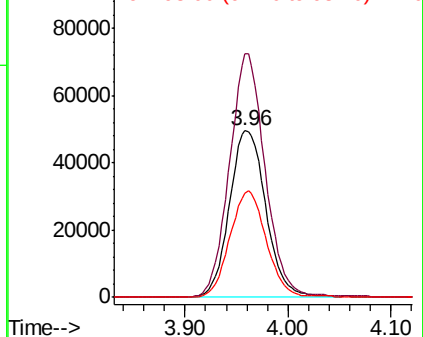
cis-1,2-Dichloroethene
 Concen: 24.743 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: VV009295.D
 Acq: 13 Feb 2019 15:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

Tgt Ion: 96 Resp: 122448
 Ion Ratio Lower Upper
 96 100
 61 146.2 96.9 179.9
 98 62.8 44.0 81.8



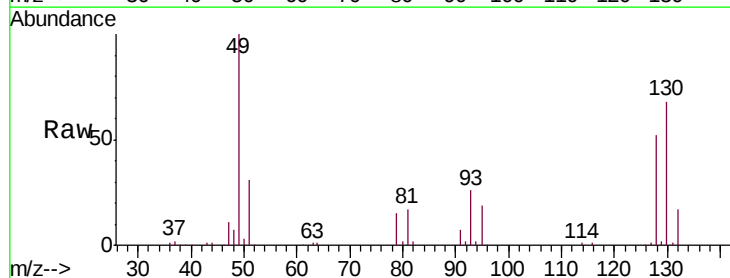
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



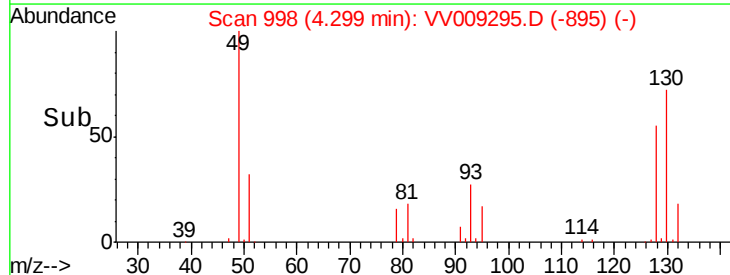
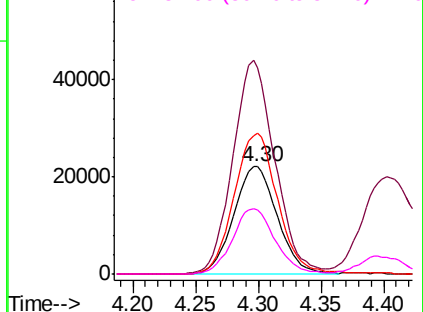
#23

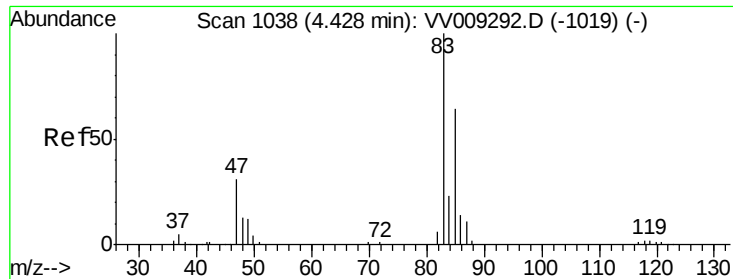
Bromochloromethane
 Concen: 23.867 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV009295.D
 Acq: 13 Feb 2019 15:27

Tgt Ion: 128 Resp: 53170
 Ion Ratio Lower Upper
 128 100
 49 192.1 130.6 242.6
 130 130.7 85.9 159.5
 51 59.8 47.2 70.8



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VV0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VV0

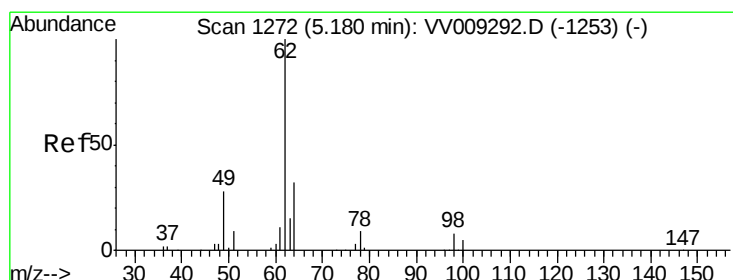
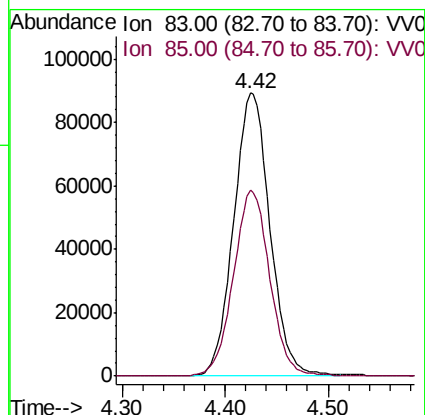
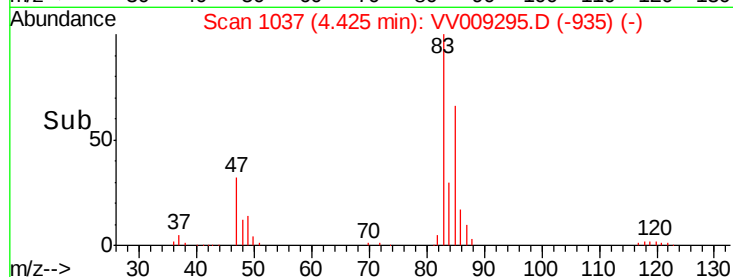
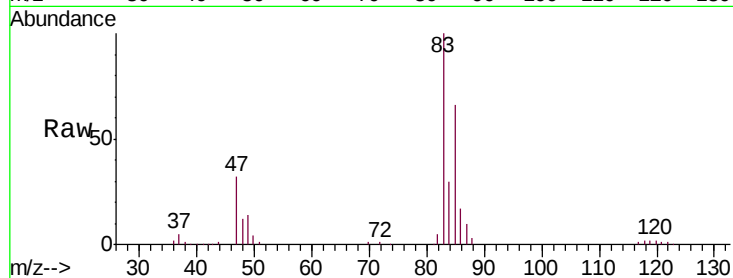




#25
Chloroform
Concen: 24.252 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV009295.D
Acq: 13 Feb 2019 15:27

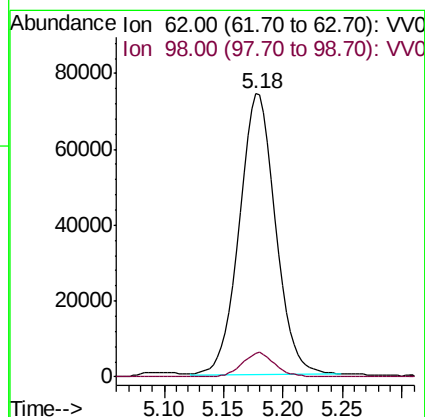
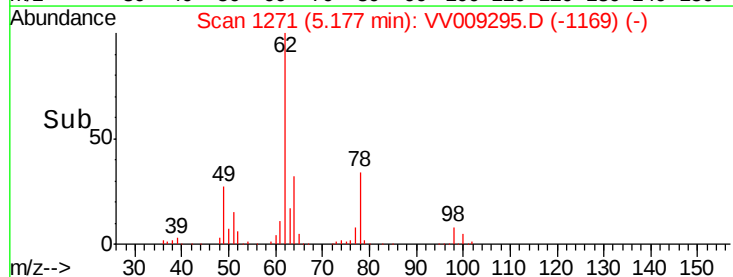
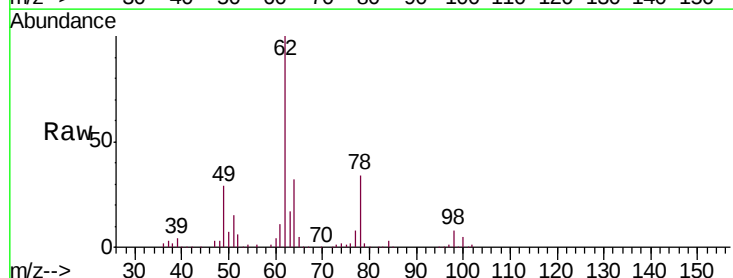
Instrument :
MSVOA_V
ClientSampleId :
VICV66

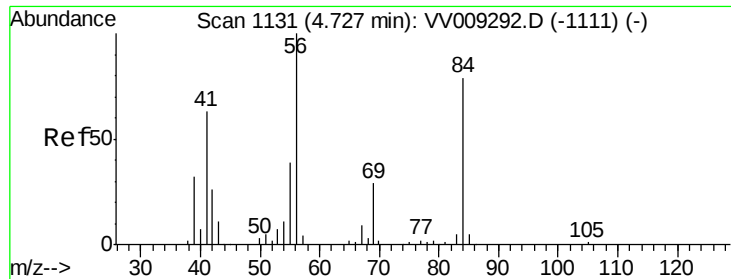
Tgt Ion: 83 Resp: 218549
Ion Ratio Lower Upper
83 100
85 65.8 45.6 84.6



#27
1,2-Dichloroethane
Concen: 23.358 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV009295.D
Acq: 13 Feb 2019 15:27

Tgt Ion: 62 Resp: 156952
Ion Ratio Lower Upper
62 100
98 8.5 6.2 9.4

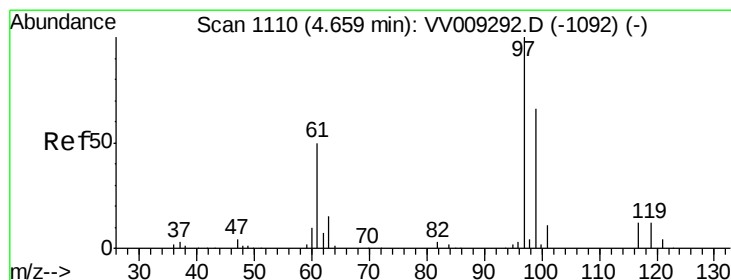
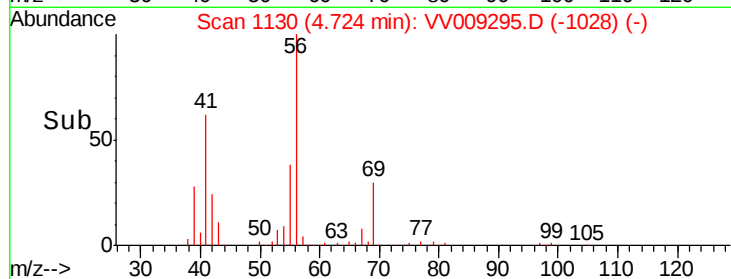
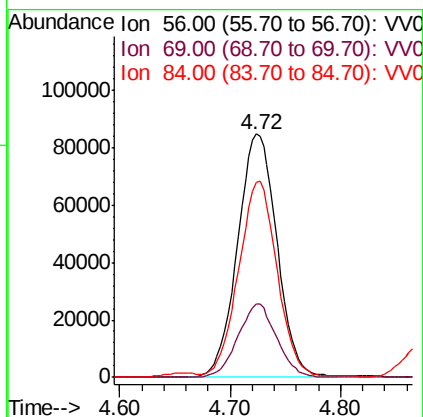
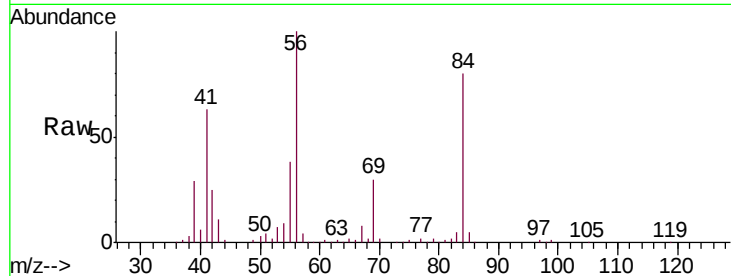




#30
Cyclohexane
Concen: 25.025 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV009295.D
Acq: 13 Feb 2019 15:27

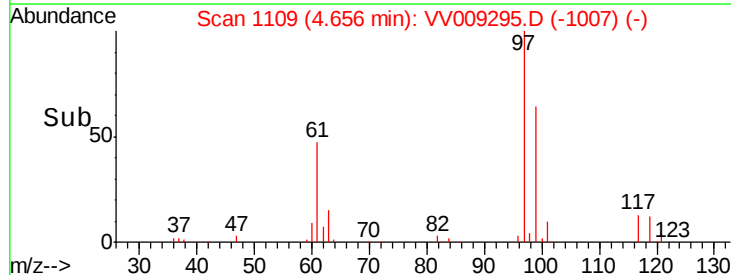
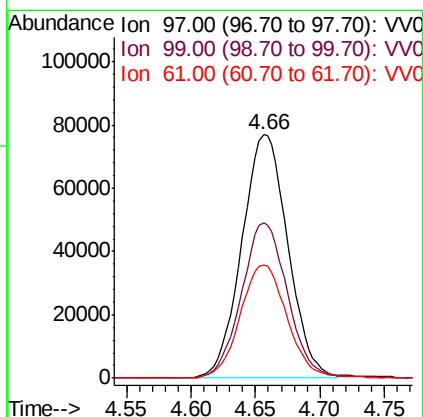
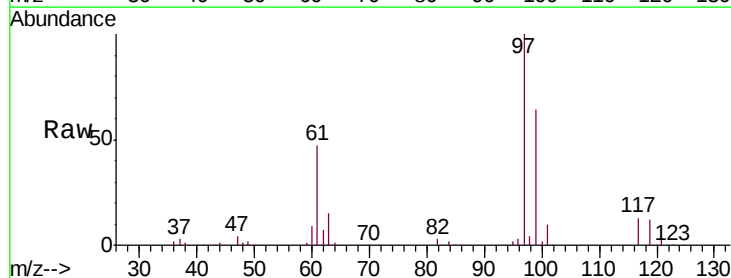
Instrument :
MSVOA_V
ClientSampled :
VICV66

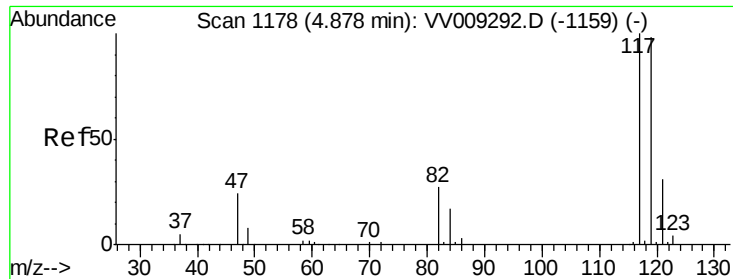
Tgt Ion: 56 Resp: 209886
Ion Ratio Lower Upper
56 100
69 29.6 23.5 35.3
84 78.0 62.2 93.2



#31
1,1,1-Trichloroethane
Concen: 25.017 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV009295.D
Acq: 13 Feb 2019 15:27

Tgt Ion: 97 Resp: 191738
Ion Ratio Lower Upper
97 100
99 63.4 51.7 77.5
61 47.4 39.4 59.2



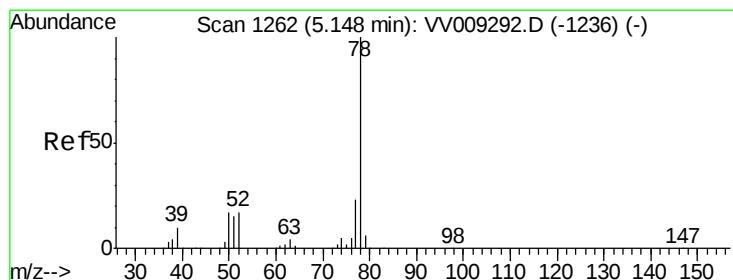
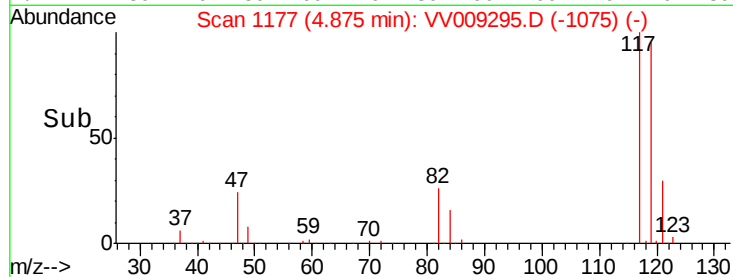
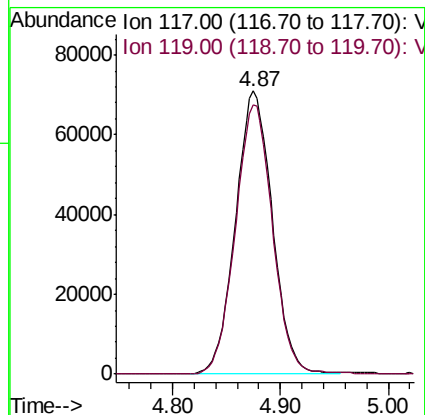
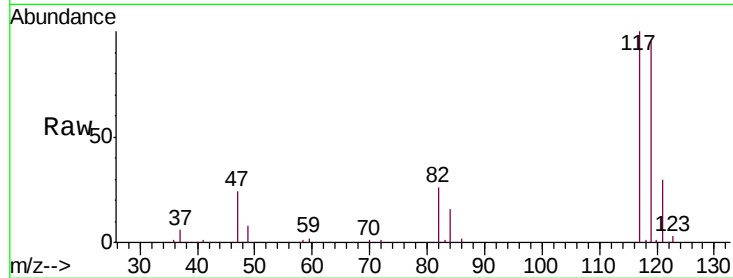


#32

Carbon tetrachloride
Concen: 24.974 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VV009295.D
Acq: 13 Feb 2019 15:27

Instrument :
MSVOA_V
ClientSampleId :
VICV66

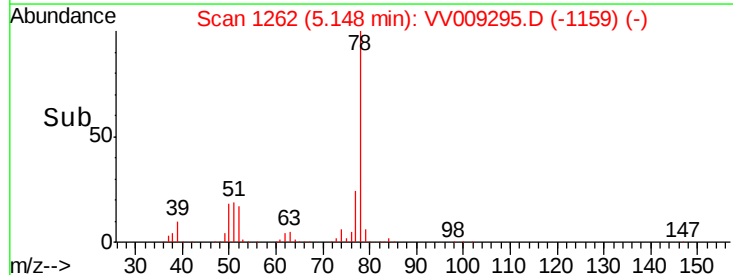
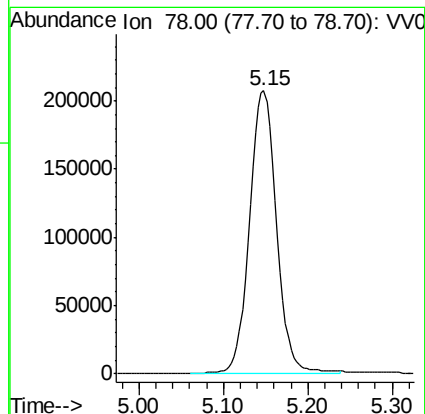
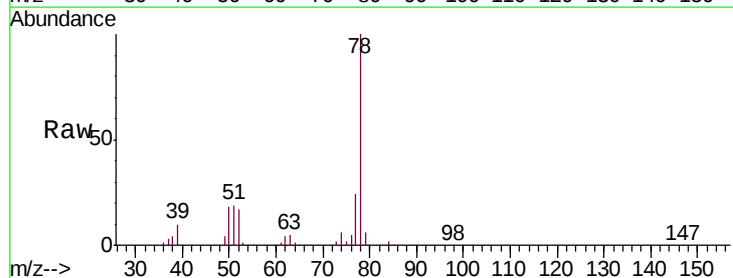
Tgt Ion:117 Resp: 168587
Ion Ratio Lower Upper
117 100
119 95.5 77.5 116.3

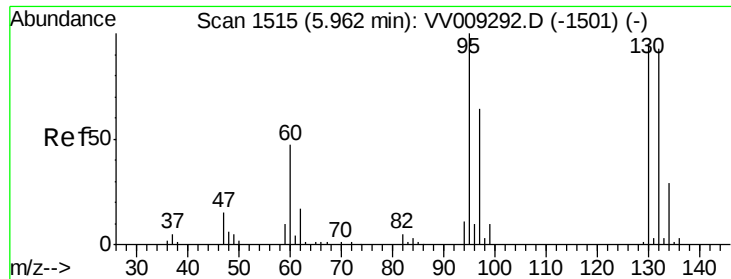


#34

Benzene
Concen: 24.866 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VV009295.D
Acq: 13 Feb 2019 15:27

Tgt Ion: 78 Resp: 464771

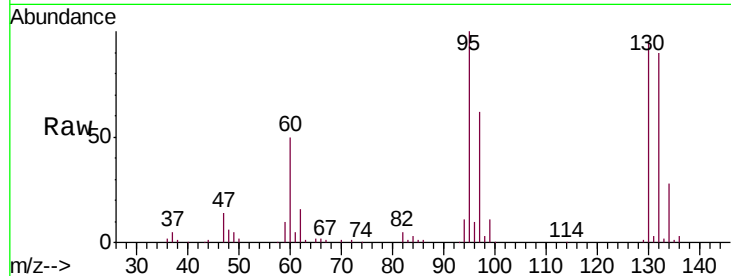




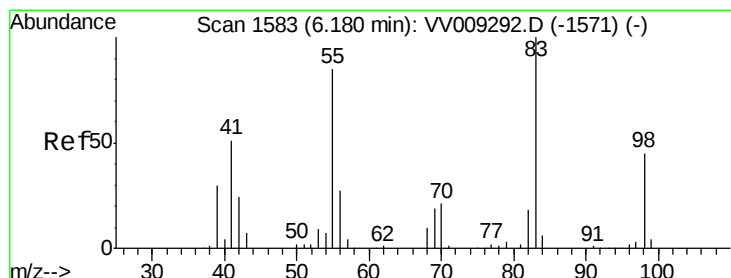
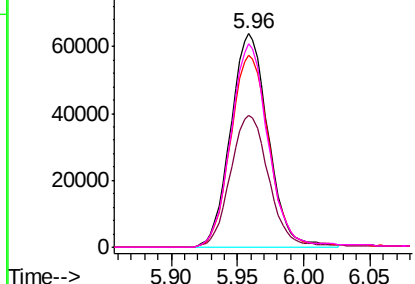
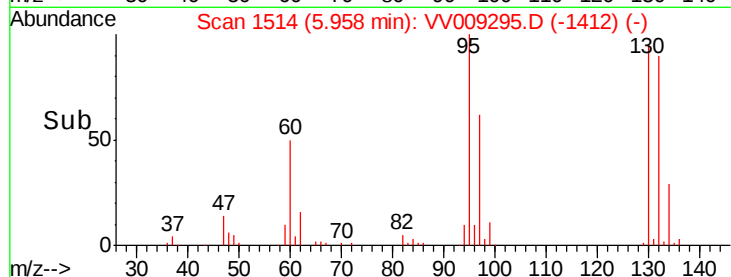
#35
 Trichloroethene
 Concen: 25.285 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009295.D
 Acq: 13 Feb 2019 15:27

Instrument :
 MSVOA_V
 ClientSampled :
 VICV66

Tgt Ion: 95 Resp: 125815
 Ion Ratio Lower Upper
 95 100
 97 63.4 44.4 82.5
 132 91.9 65.9 122.5
 130 93.6 65.8 122.2

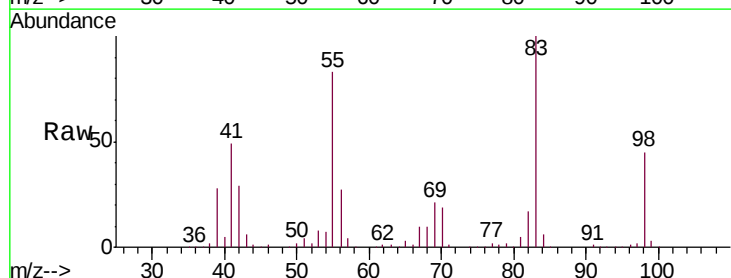


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

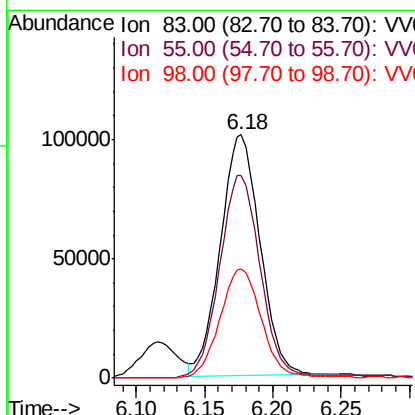
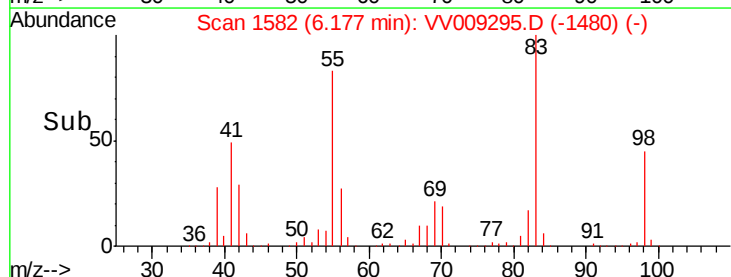


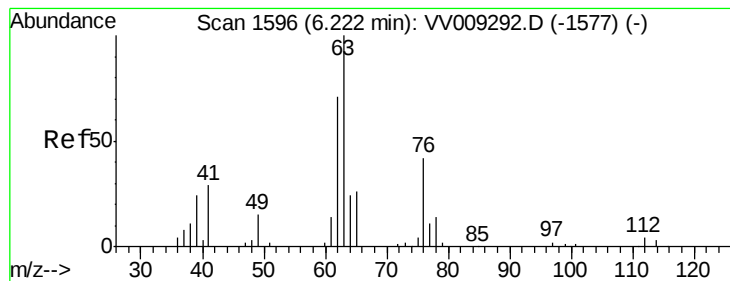
#36
 Methylcyclohexane
 Concen: 25.314 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV009295.D
 Acq: 13 Feb 2019 15:27

Tgt Ion: 83 Resp: 205148
 Ion Ratio Lower Upper
 83 100
 55 86.1 70.6 105.8
 98 46.4 36.7 55.1



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: 24.181 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV009295.D

Acq: 13 Feb 2019 15:27

Instrument :

MSVOA_V

ClientSampleId :

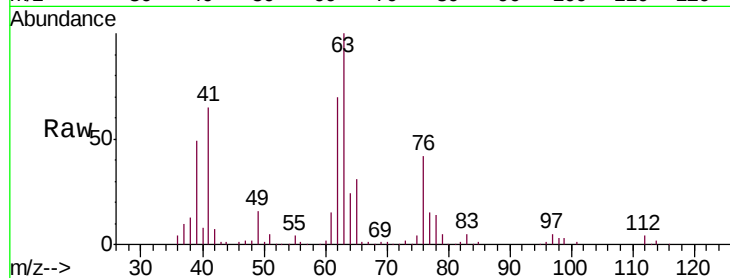
VICV66

Tgt Ion: 63 Resp: 122483

Ion Ratio Lower Upper

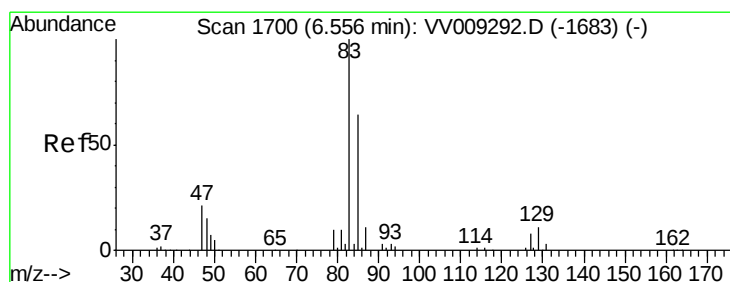
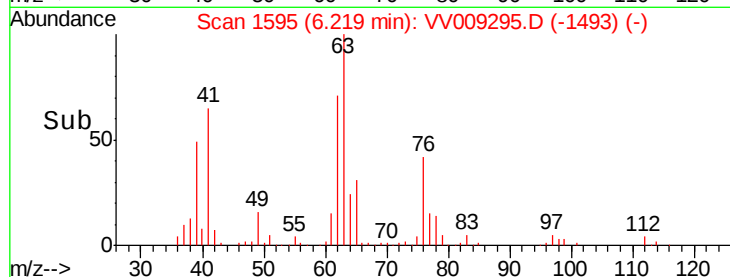
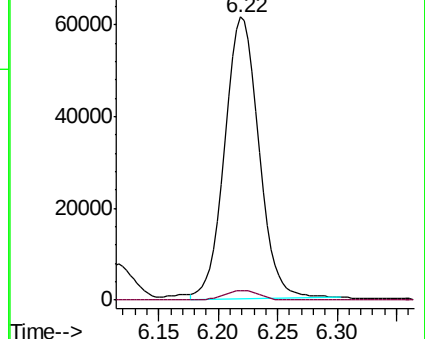
63 100

112 3.6 3.0 4.4



Abundance Ion 63.00 (62.70 to 63.70): VV009292.D (-1577) (-)

Ion 112.00 (111.70 to 112.70): VV009292.D (-1577) (-)



#41

Bromodichloromethane

Concen: 24.996 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV009295.D

Acq: 13 Feb 2019 15:27

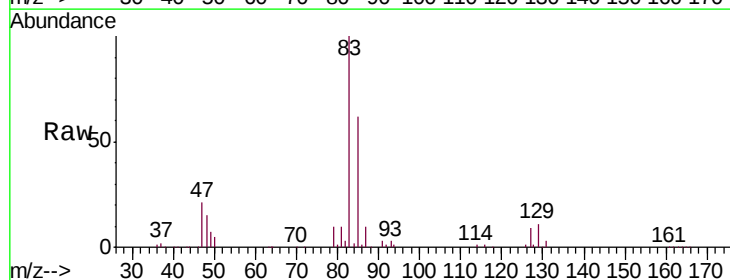
Tgt Ion: 83 Resp: 159245

Ion Ratio Lower Upper

83 100

85 62.3 45.0 83.6

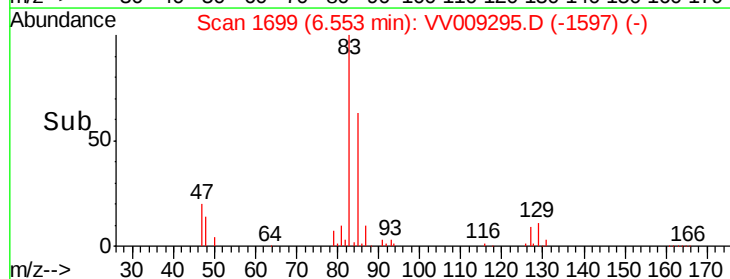
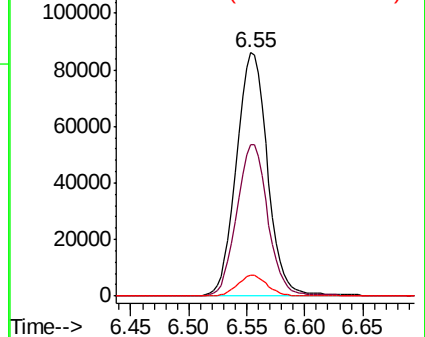
127 8.5 6.4 9.6

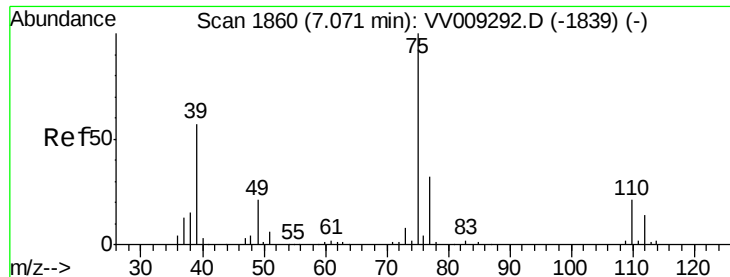


Abundance Ion 83.00 (82.70 to 83.70): VV009292.D (-1683) (-)

Ion 85.00 (84.70 to 85.70): VV009292.D (-1683) (-)

Ion 127.00 (126.70 to 127.70): VV009292.D (-1683) (-)



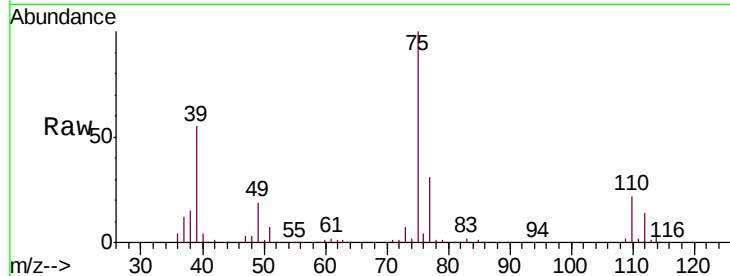


#42

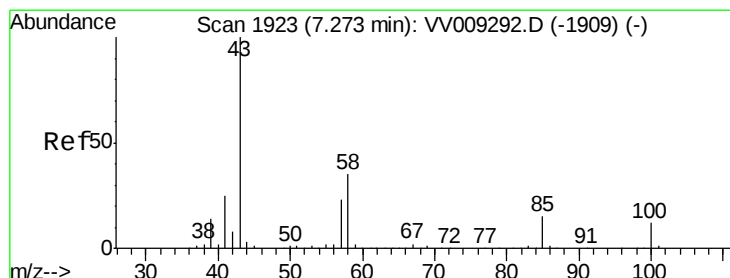
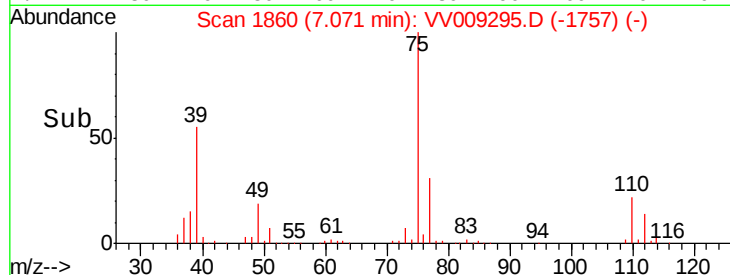
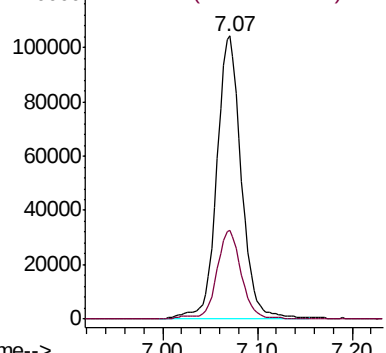
cis-1,3-Dichloropropene
Concen: 25.549 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV009295.D
Acq: 13 Feb 2019 15:27

Instrument :
MSVOA_V
ClientSampleId :
VICV66

Tgt Ion: 75 Resp: 188712
Ion Ratio Lower Upper
75 100
77 31.2 22.2 41.2



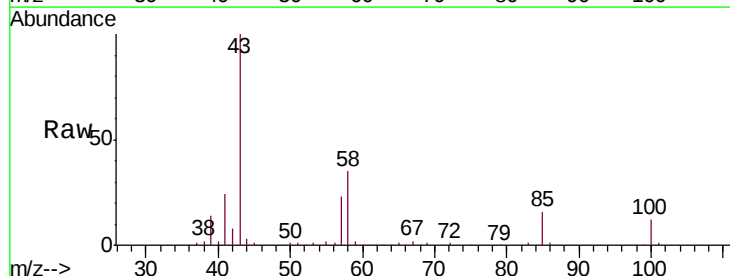
Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0



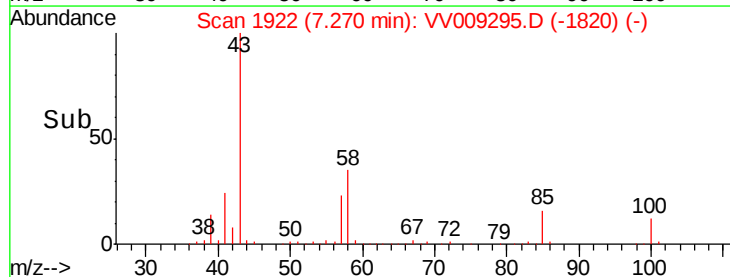
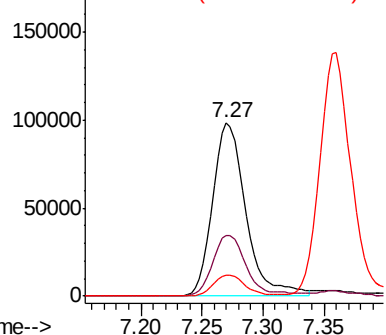
#43

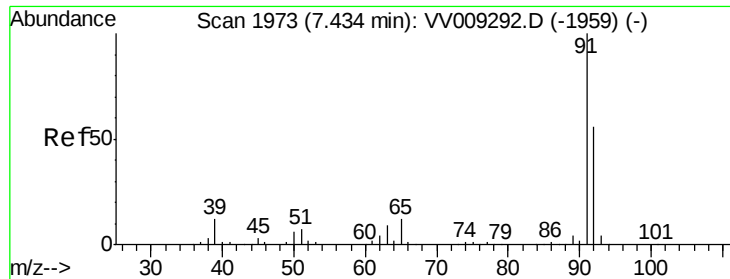
4-Methyl-2-pentanone
Concen: 39.981 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VV009295.D
Acq: 13 Feb 2019 15:27

Tgt Ion: 43 Resp: 184409
Ion Ratio Lower Upper
43 100
58 35.4 28.4 42.6
100 12.1 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 100.00 (99.70 to 100.70): VV0





#44

Toluene

Concen: 25.555 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009295.D

Acq: 13 Feb 2019 15:27

Instrument :

MSVOA_V

ClientSampleId :

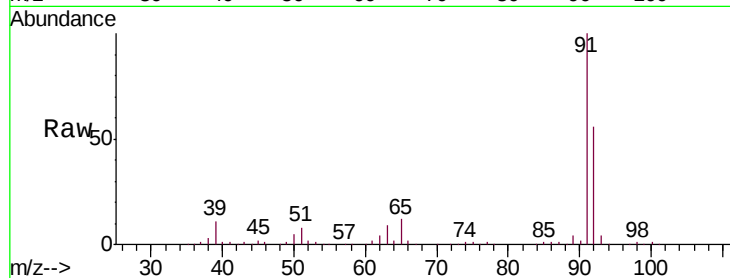
VICV66

Tgt Ion: 91 Resp: 506997

Ion Ratio Lower Upper

91 100

92 56.2 39.5 73.3



Abundance Ion 91.00 (90.70 to 91.70): VV009292.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV009292.D (-1959) (-)

7.43

300000

250000

200000

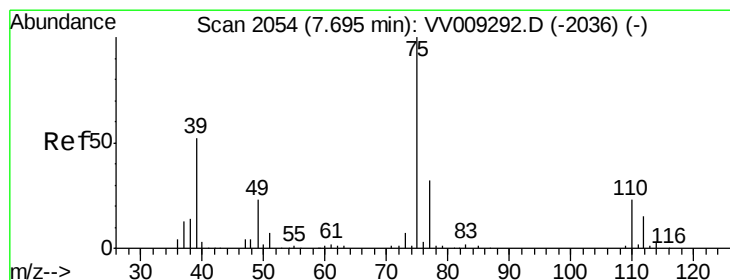
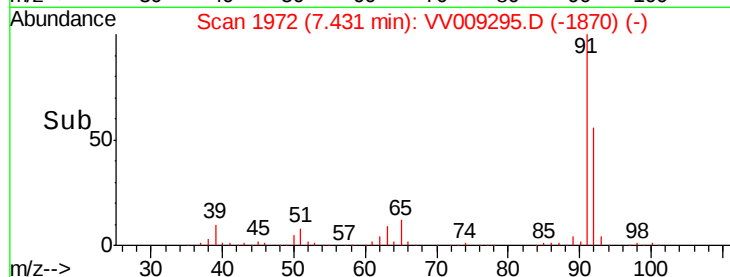
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 26.066 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV009295.D

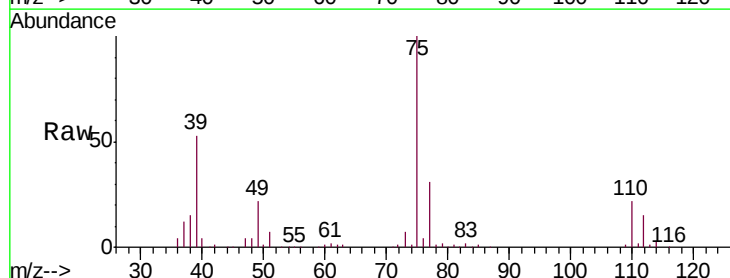
Acq: 13 Feb 2019 15:27

Tgt Ion: 75 Resp: 165042

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV009292.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009292.D (-2036) (-)

7.69

100000

80000

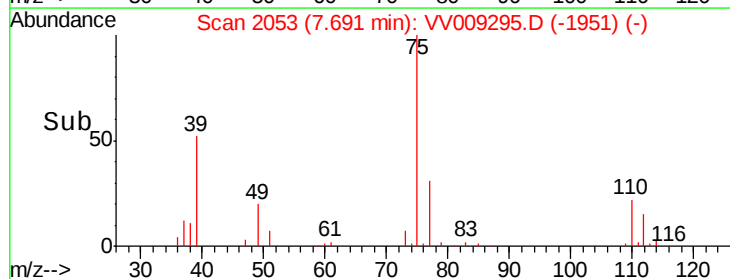
60000

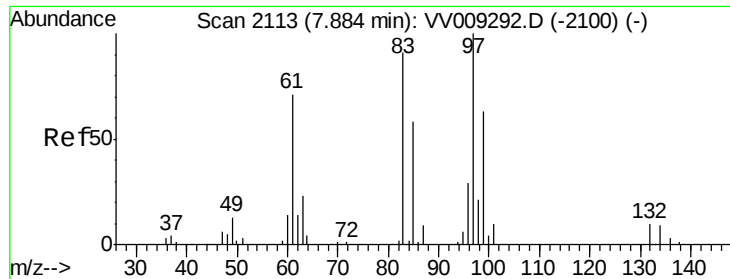
40000

20000

0

Time-->

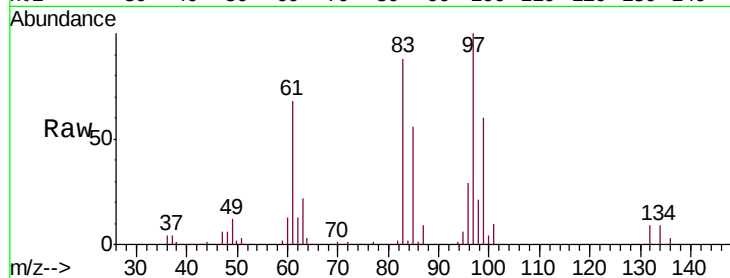




#46
1,1,2-Trichloroethane
Concen: 23.174 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VV009295.D
Acq: 13 Feb 2019 15:27

Instrument :
MSVOA_V
ClientSampleId :
VICV66

Tgt Ion:	97	Resp:	89822
Ion	Ratio	Lower	Upper
97	100		
83	88.0	63.4	117.8
85	55.6	40.7	75.7
99	59.9	43.8	81.4



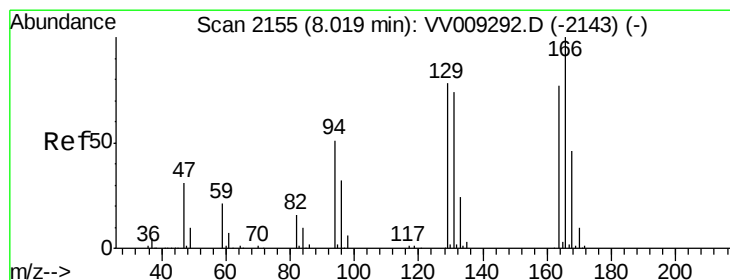
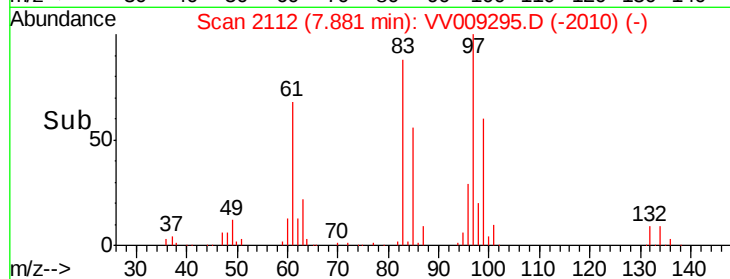
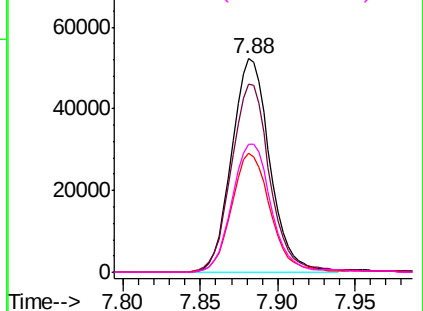
Abundance

Ion 97.00 (96.70 to 97.70): VV009295.D (-2100) (-)

Ion 83.00 (82.70 to 83.70): VV009295.D (-2100) (-)

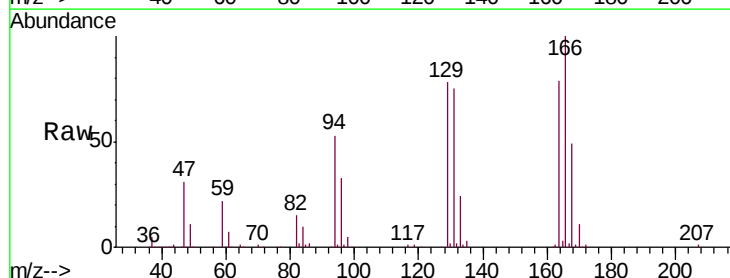
Ion 85.00 (84.70 to 85.70): VV009295.D (-2100) (-)

Ion 99.00 (98.70 to 99.70): VV009295.D (-2100) (-)



#47
Tetrachloroethene
Concen: 23.559 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV009295.D
Acq: 13 Feb 2019 15:27

Tgt Ion:	164	Resp:	92172
Ion	Ratio	Lower	Upper
164	100		
129	98.3	71.1	132.1
131	94.7	67.4	125.2
166	125.9	91.4	169.8



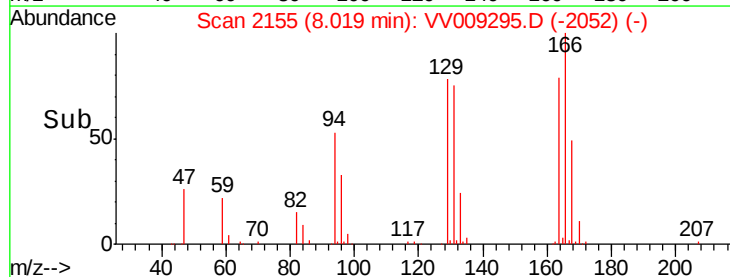
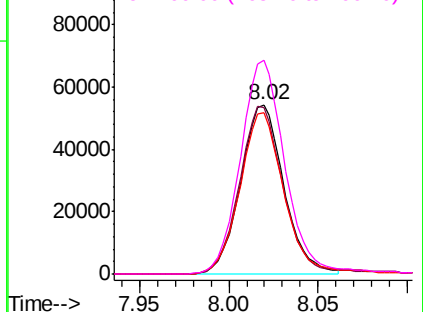
Abundance

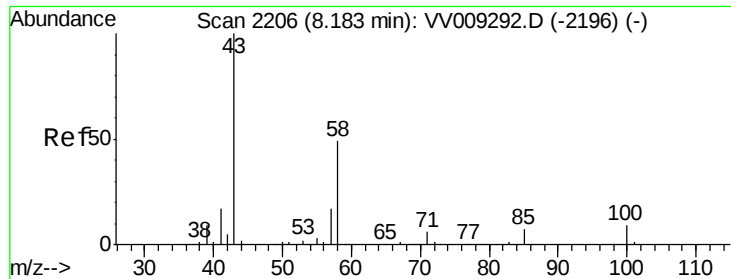
Ion 164.00 (163.70 to 164.70): VV009295.D (-2052) (-)

Ion 129.00 (128.70 to 129.70): VV009295.D (-2052) (-)

Ion 131.00 (130.70 to 131.70): VV009295.D (-2052) (-)

Ion 166.00 (165.70 to 166.70): VV009295.D (-2052) (-)

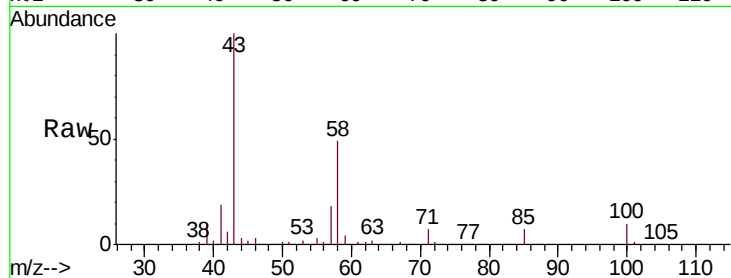




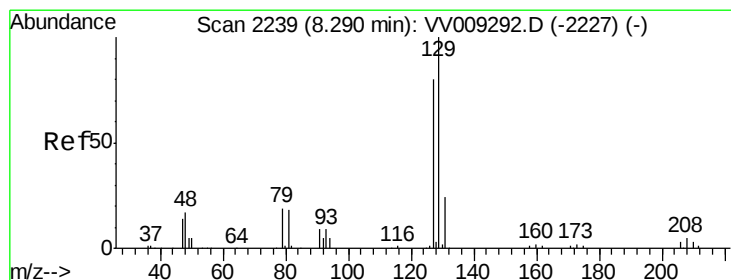
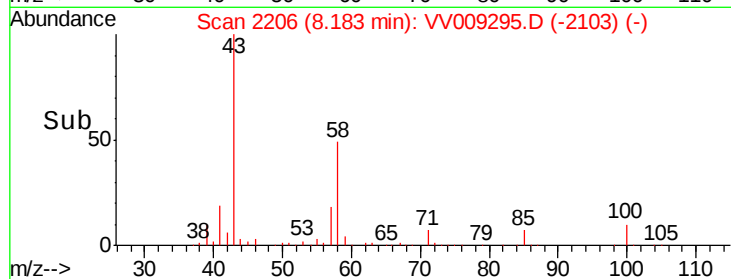
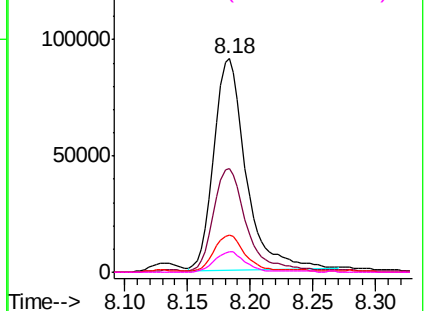
#49
2-Hexanone
Concen: 42.507 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV009295.D
Acq: 13 Feb 2019 15:27

Instrument :
MSVOA_V
ClientSampled :
VICV66

Tgt Ion:	43	Resp:	161557
Ion	Ratio	Lower	Upper
43	100		
58	49.7	40.6	61.0
57	16.8	14.1	21.1
100	9.2	7.6	11.4

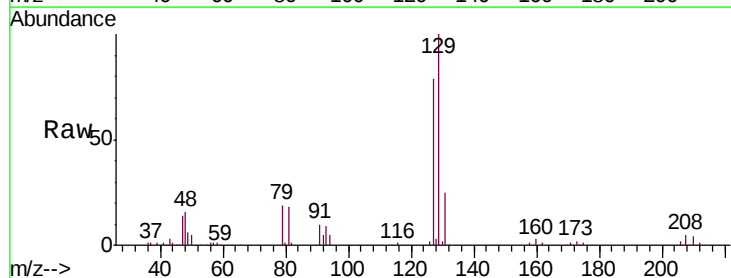


Abundance Ion 43.00 (42.70 to 43.70): VV009295.D (-2196) (-)

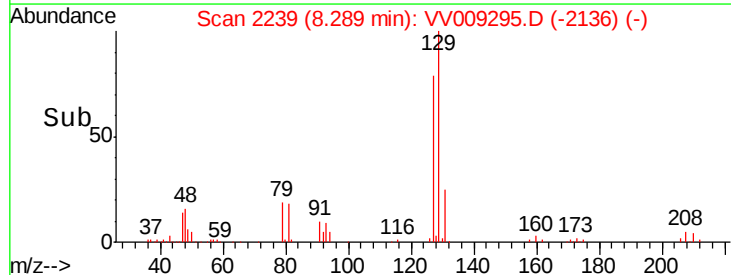
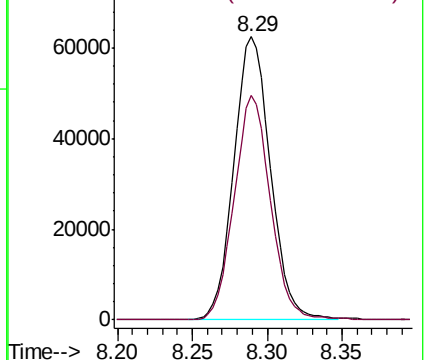


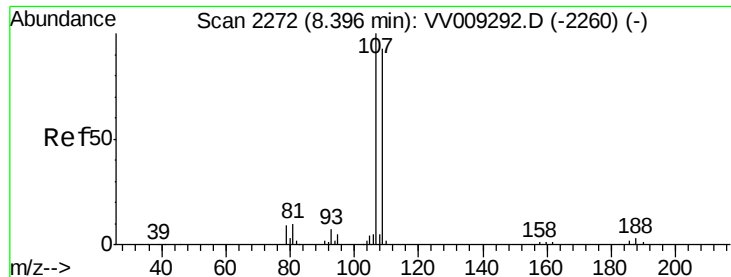
#50
Dibromochloromethane
Concen: 23.769 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009295.D
Acq: 13 Feb 2019 15:27

Tgt Ion:	129	Resp:	106600
Ion	Ratio	Lower	Upper
129	100		
127	79.1	56.2	104.4



Abundance Ion 129.00 (128.70 to 129.70): VV009295.D (-2227) (-)





#51

1,2-Dibromoethane

Concen: 23.117 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009295.D

Acq: 13 Feb 2019 15:27

Instrument :

MSVOA_V

ClientSampleId :

VICV66

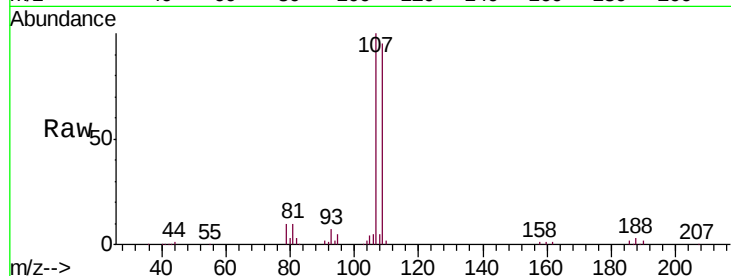
Tgt Ion:107 Resp: 88067

Ion Ratio Lower Upper

107 100

109 95.3 65.2 121.2

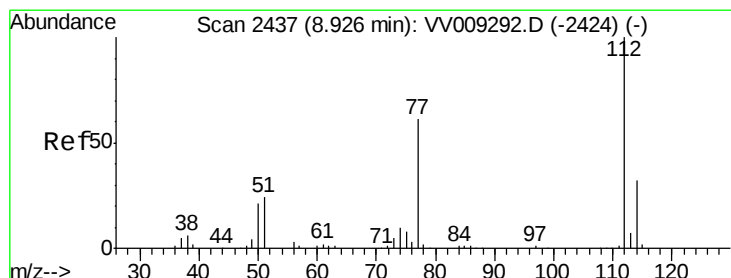
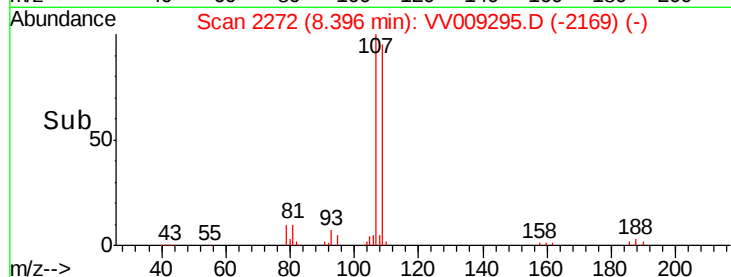
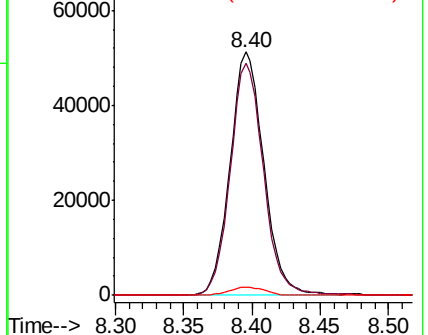
188 3.4 2.8 4.2



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: 25.035 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009295.D

Acq: 13 Feb 2019 15:27

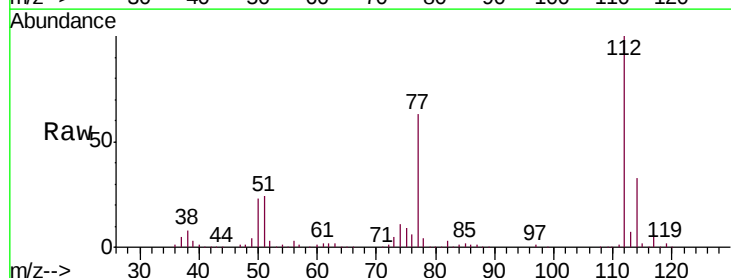
Tgt Ion:112 Resp: 319173

Ion Ratio Lower Upper

112 100

77 62.5 48.9 73.3

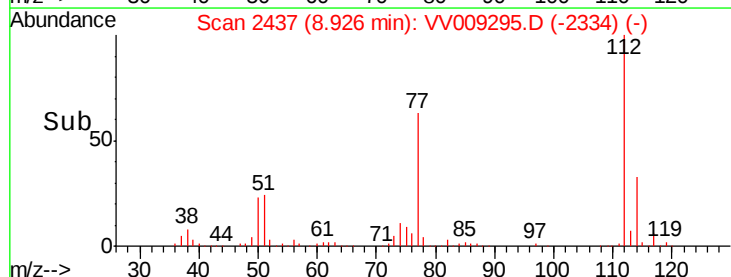
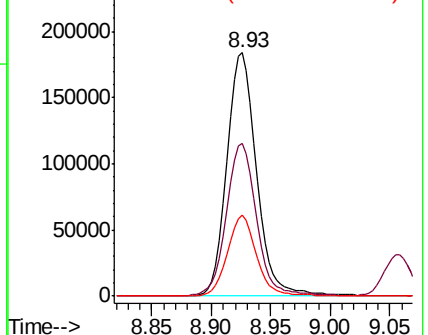
114 33.2 22.0 41.0

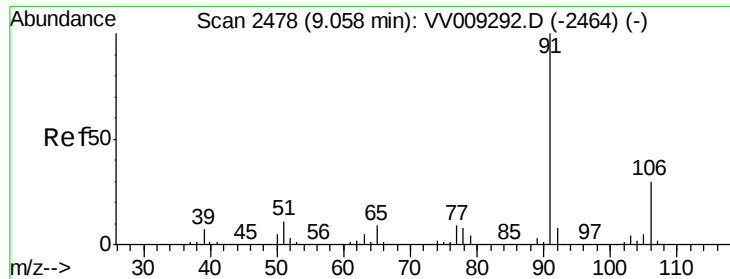


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 25.972 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009295.D

Acq: 13 Feb 2019 15:27

Instrument :

MSVOA_V

ClientSampleId :

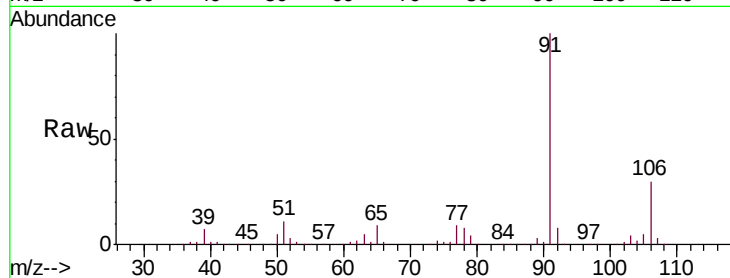
VICV66

Tgt Ion: 91 Resp: 573857

Ion Ratio Lower Upper

91 100

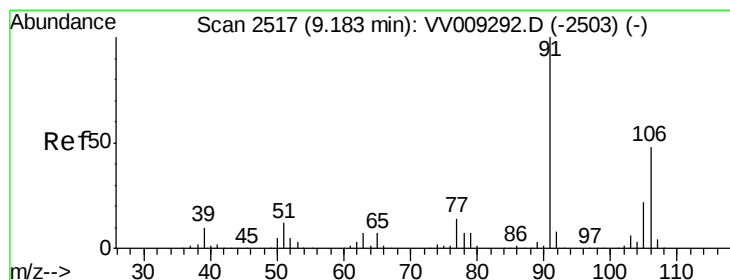
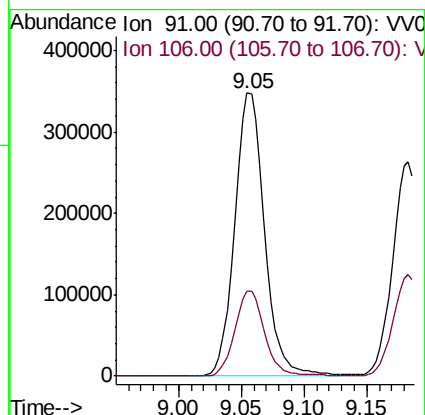
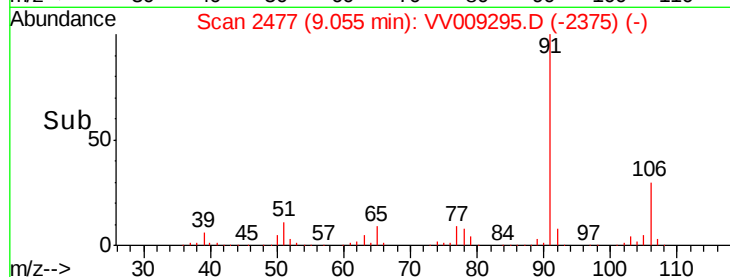
106 30.1 20.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VV009292.D (-2464) (-)

Ion 106.00 (105.70 to 106.70): VV009292.D (-2464) (-)

Time-->



#54

m,p-Xylene

Concen: 26.746 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009295.D

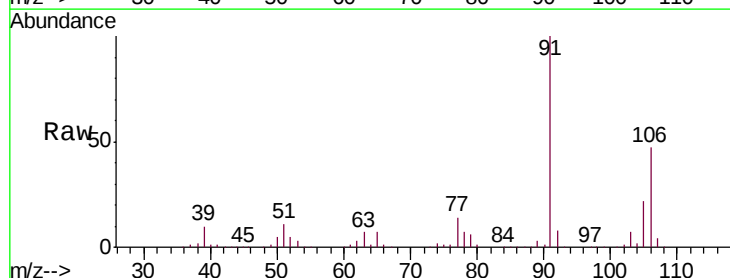
Acq: 13 Feb 2019 15:27

Tgt Ion: 106 Resp: 217409

Ion Ratio Lower Upper

106 100

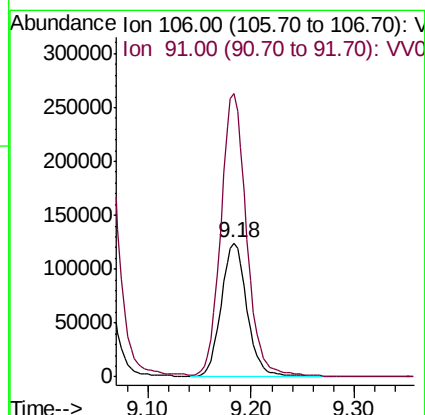
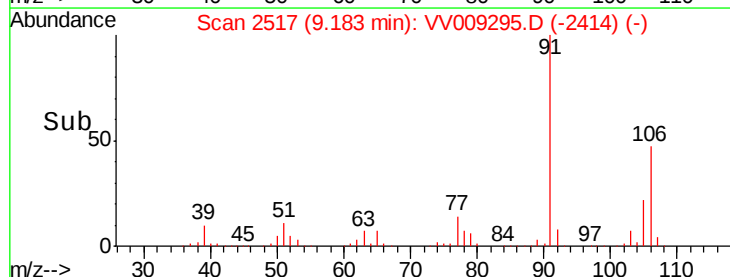
91 211.6 145.3 269.9

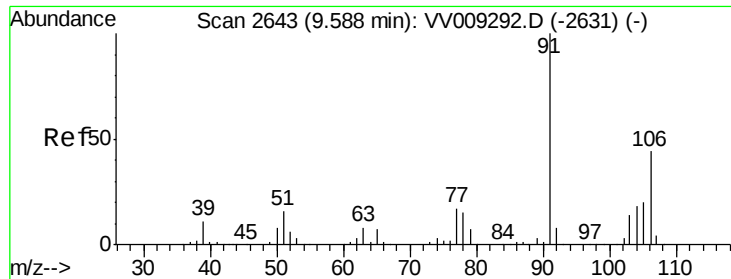


Abundance Ion 106.00 (105.70 to 106.70): VV009292.D (-2503) (-)

Ion 91.00 (90.70 to 91.70): VV009292.D (-2503) (-)

Time-->

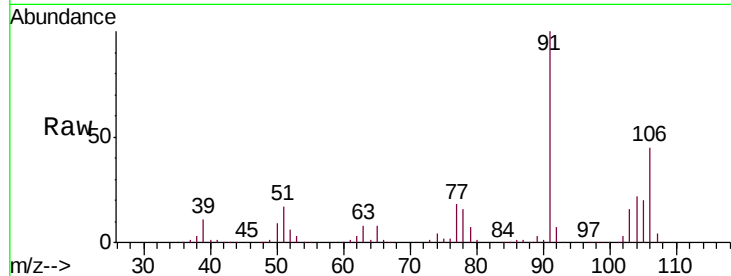




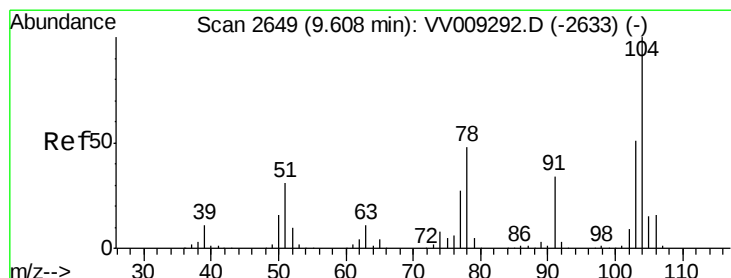
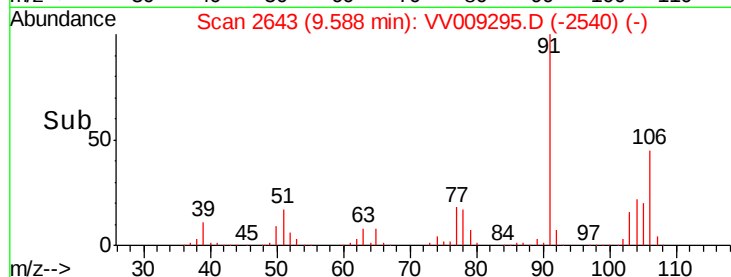
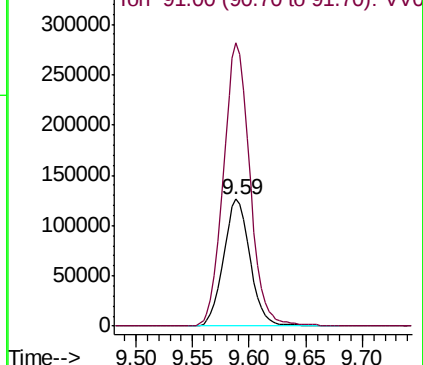
#55
o-xylene
Concen: 26.968 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009295.D
Acq: 13 Feb 2019 15:27

Instrument :
MSVOA_V
ClientSampleId :
VICV66

Tgt Ion:106 Resp: 206018
Ion Ratio Lower Upper
106 100
91 223.6 159.6 296.4

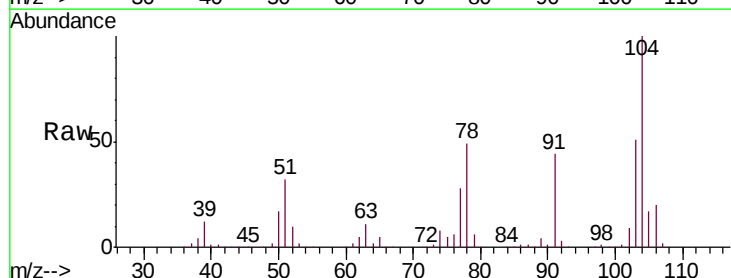


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

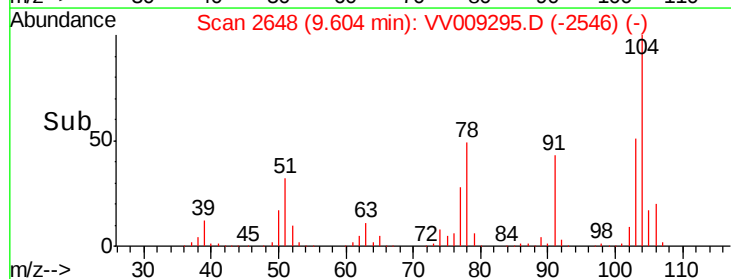
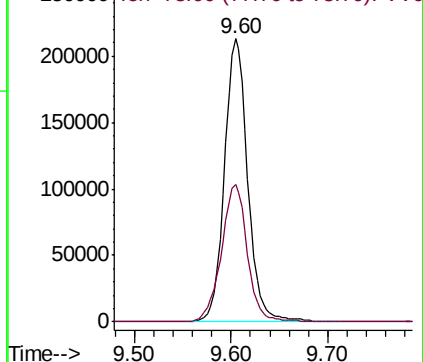


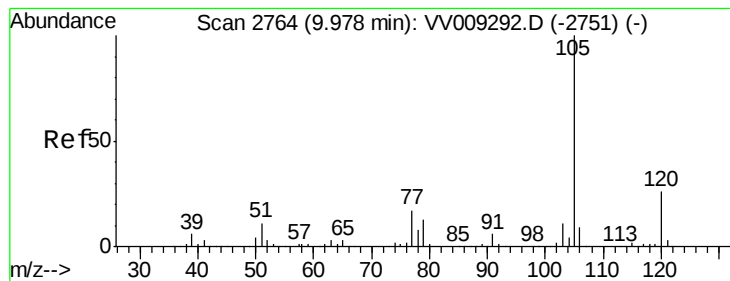
#56
Styrene
Concen: 27.164 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009295.D
Acq: 13 Feb 2019 15:27

Tgt Ion:104 Resp: 355524
Ion Ratio Lower Upper
104 100
78 48.5 33.6 62.4



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





#57

Isopropylbenzene

Concen: 26.516 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009295.D

Acq: 13 Feb 2019 15:27

Instrument :

MSVOA_V

ClientSampleId :

VICV66

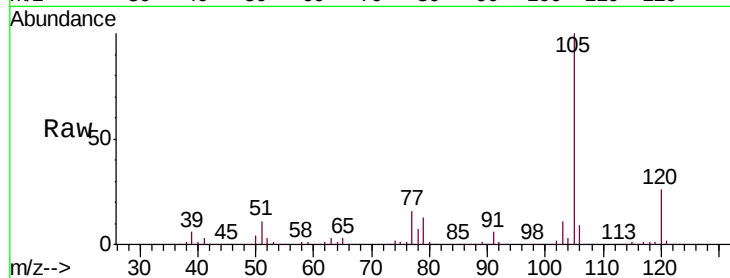
Tgt Ion: 105 Resp: 564073

Ion Ratio Lower Upper

105 100

120 25.8 21.1 31.7

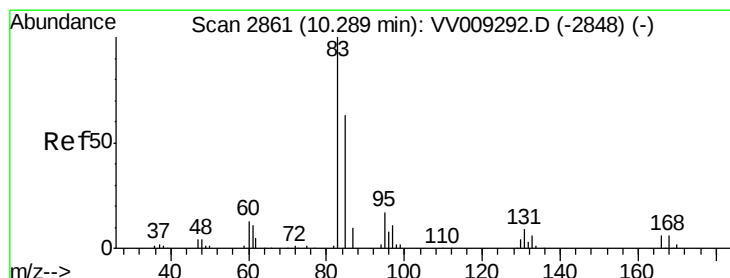
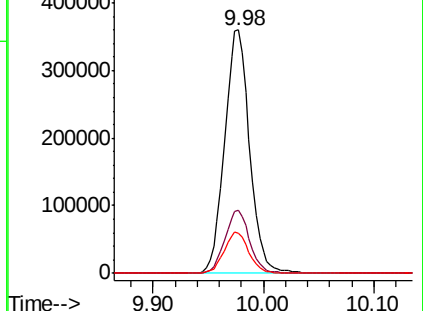
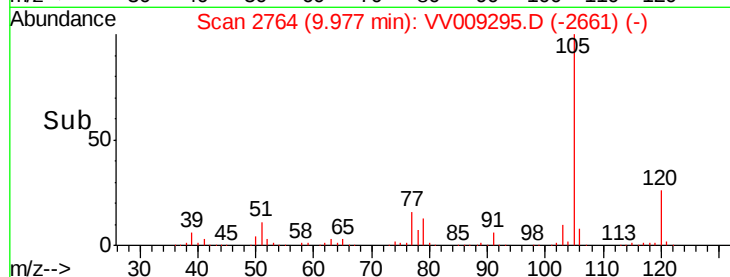
77 16.8 13.8 20.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 21.276 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009295.D

Acq: 13 Feb 2019 15:27

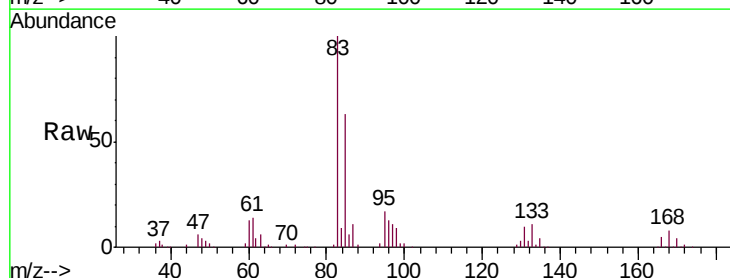
Tgt Ion: 83 Resp: 119054

Ion Ratio Lower Upper

83 100

85 63.1 44.7 82.9

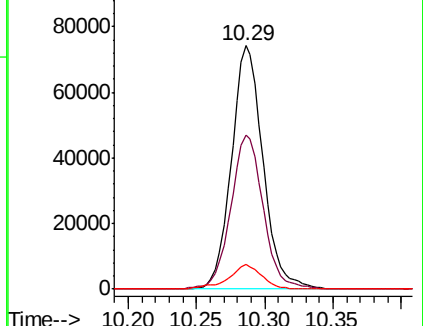
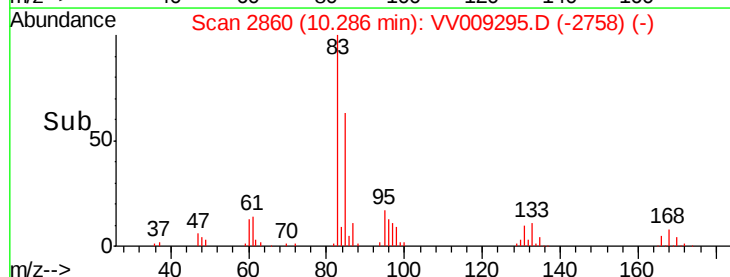
131 9.9 7.8 11.6

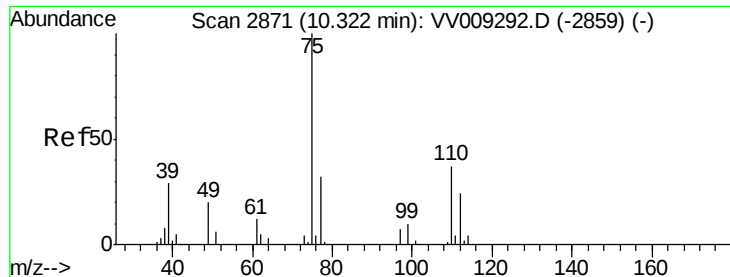


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

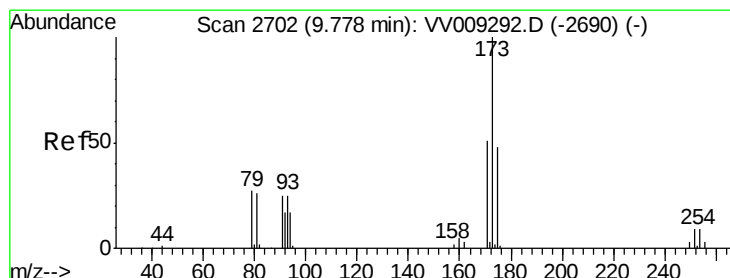
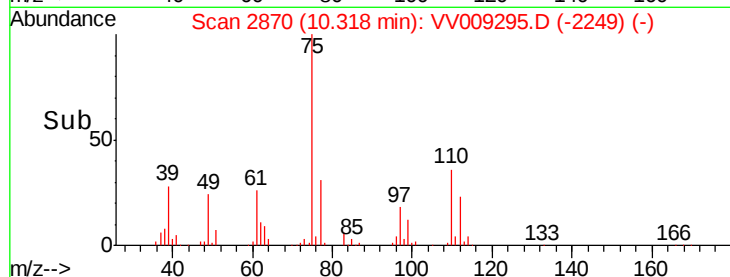
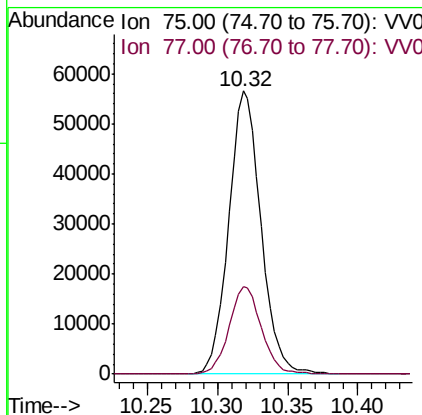
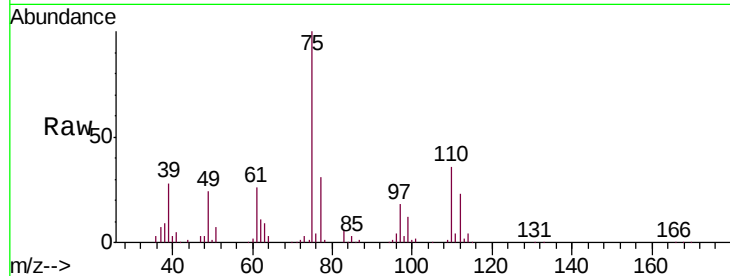




#59
 1,2,3-Trichloropropane
 Concen: 20.764 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV009295.D
 Acq: 13 Feb 2019 15:27

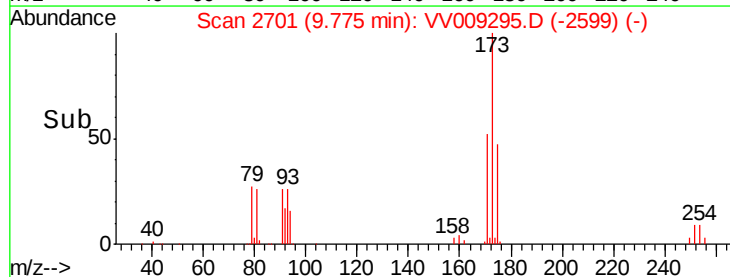
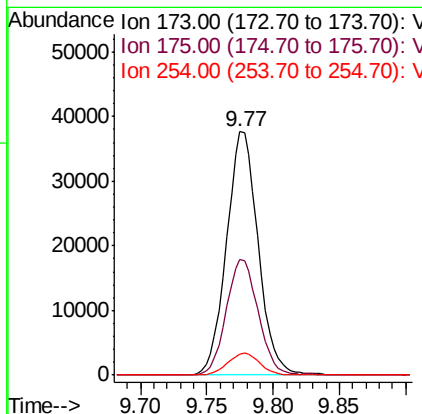
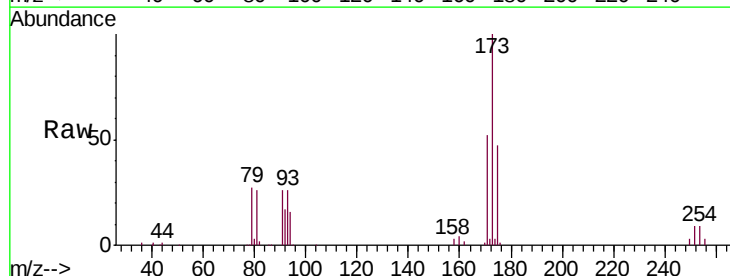
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

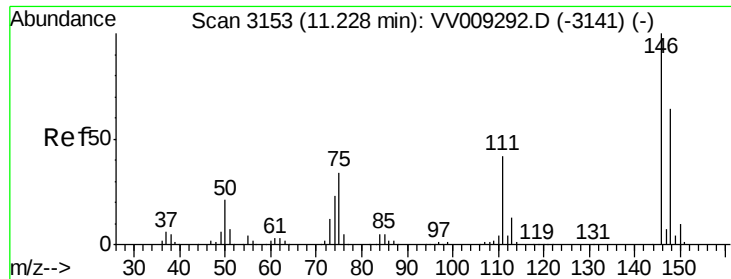
Tgt Ion: 75 Resp: 90268
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.2 39.2



#62
 Bromoform
 Concen: 22.062 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV009295.D
 Acq: 13 Feb 2019 15:27

Tgt Ion: 173 Resp: 62512
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.9 59.9
 254 9.0 6.9 10.3





#63

1,3-Dichlorobenzene

Concen: 24.588 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009295.D

Acq: 13 Feb 2019 15:27

Instrument :

MSVOA_V

ClientSampleId :

VICV66

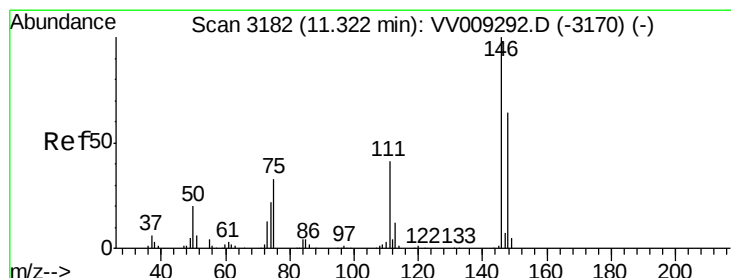
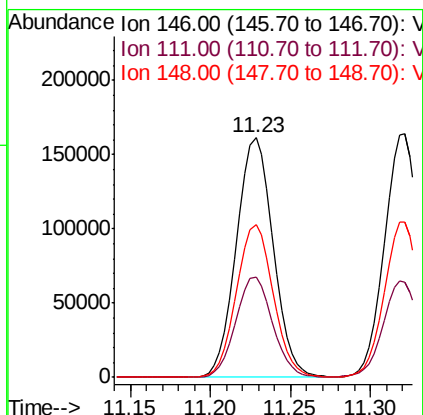
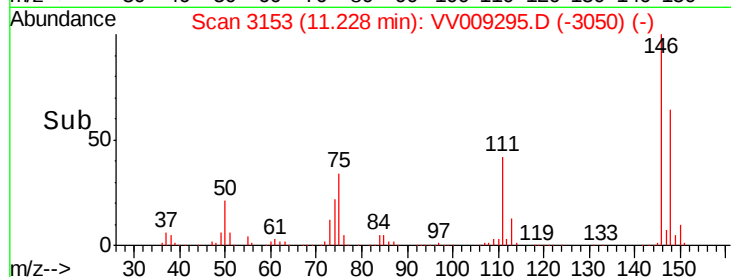
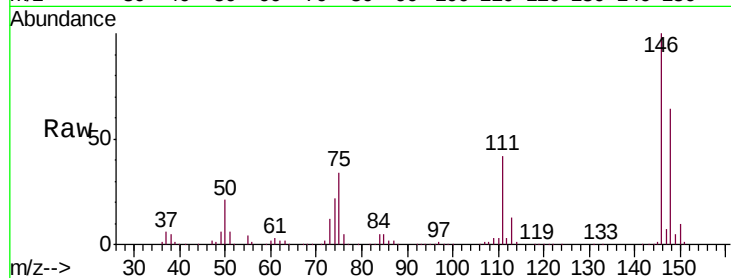
Tgt Ion:146 Resp: 253700

Ion Ratio Lower Upper

146 100

111 42.0 29.5 54.7

148 64.0 44.5 82.7



#64

1,4-Dichlorobenzene

Concen: 24.473 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV009295.D

Acq: 13 Feb 2019 15:27

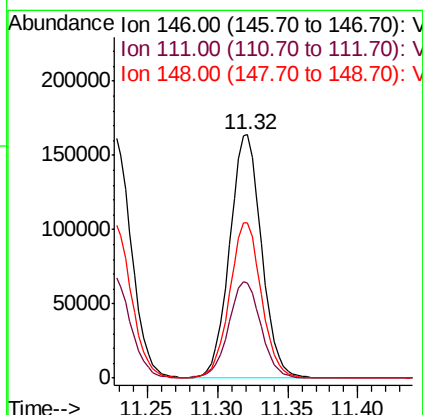
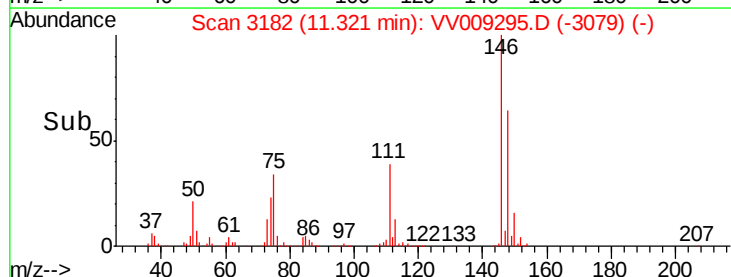
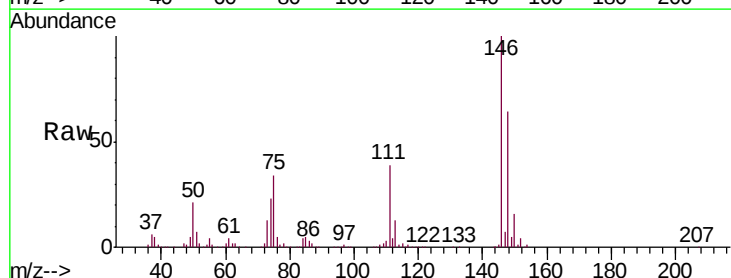
Tgt Ion:146 Resp: 258554

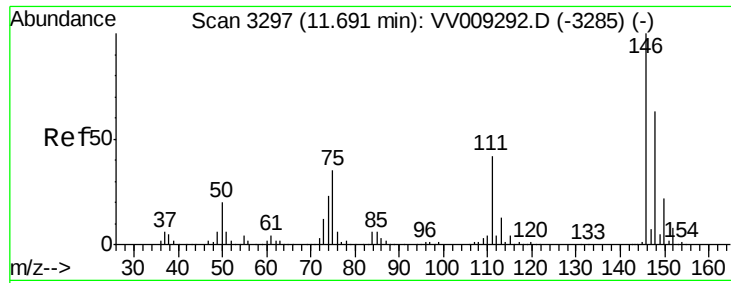
Ion Ratio Lower Upper

146 100

111 38.9 28.6 53.0

148 63.9 45.1 83.7





#65

1,2-Dichlorobenzene

Concen: 24.211 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009295.D

Acq: 13 Feb 2019 15:27

Instrument :

MSVOA_V

ClientSampled :

VICV66

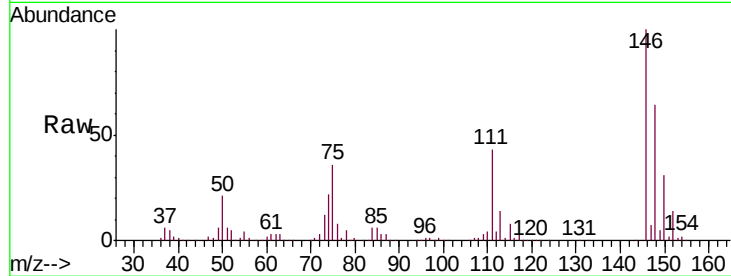
Tgt Ion: 146 Resp: 241064

Ion Ratio Lower Upper

146 100

111 42.8 33.8 50.8

148 64.0 50.1 75.1

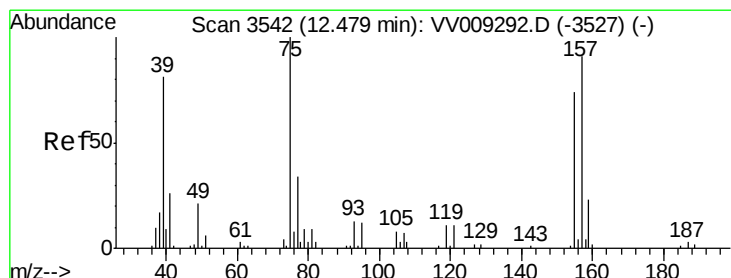
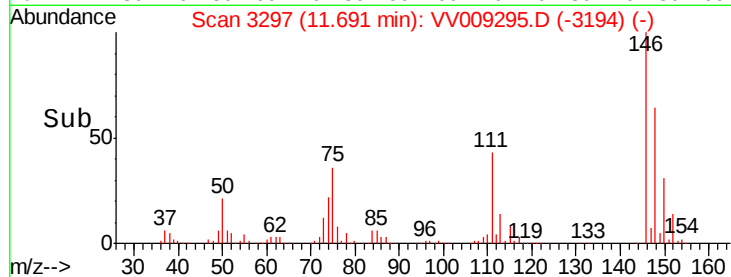
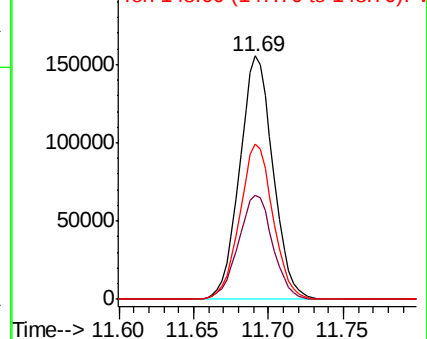


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 18.934 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV009295.D

Acq: 13 Feb 2019 15:27

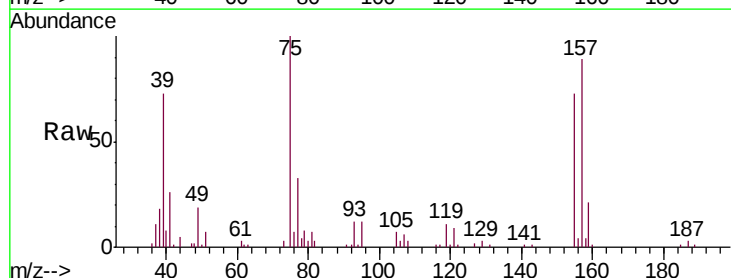
Tgt Ion: 75 Resp: 21929

Ion Ratio Lower Upper

75 100

157 89.2 72.6 109.0

155 72.6 59.0 88.6

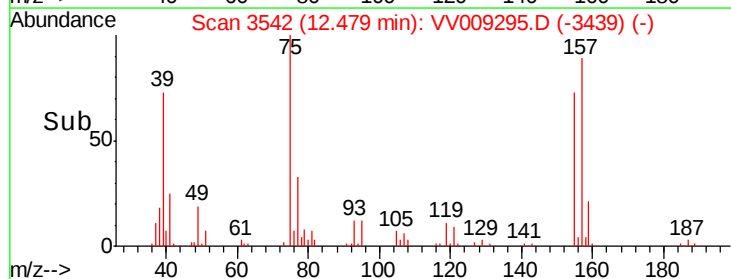
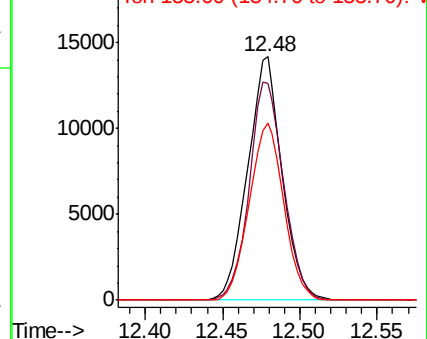


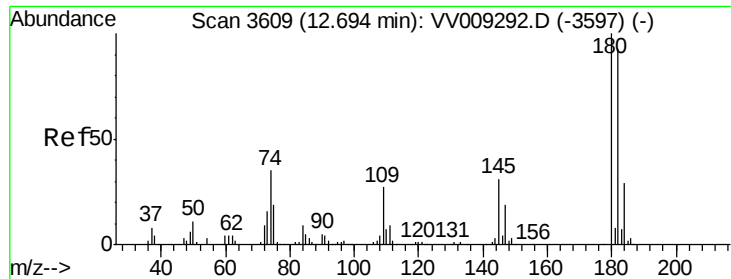
Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

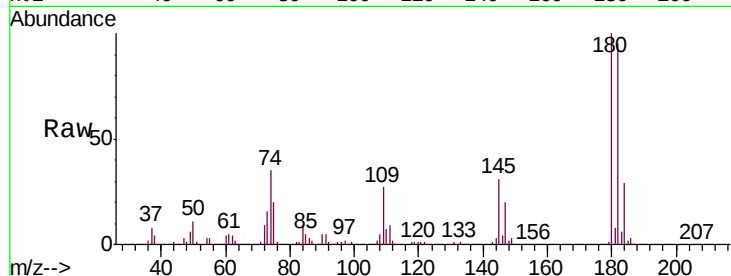




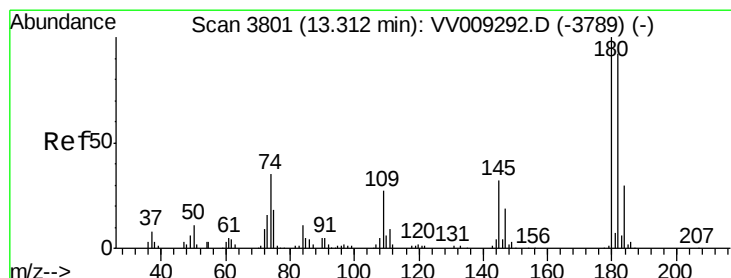
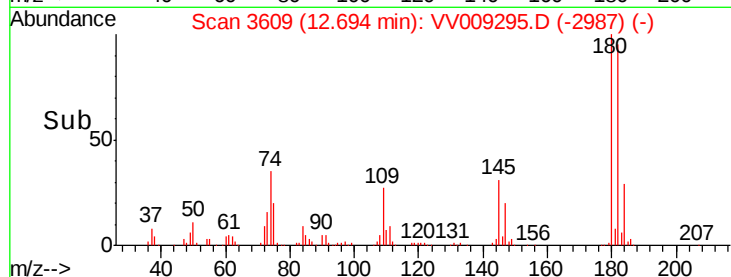
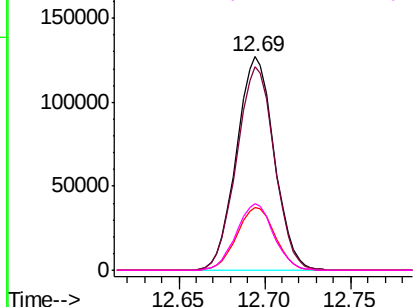
#67
 1,3,5-Trichlorobenzene
 Concen: 25.042 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009295.D
 Acq: 13 Feb 2019 15:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

Tgt Ion:180 Resp: 193728
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.5 113.3
 184 29.7 23.8 35.6
 145 30.9 24.5 36.7

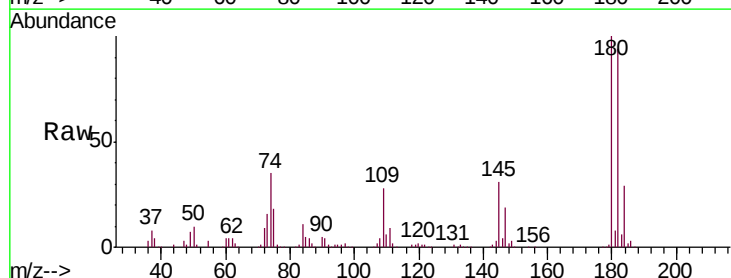


Abundance Ion 180.00 (179.70 to 180.70): V
 200000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

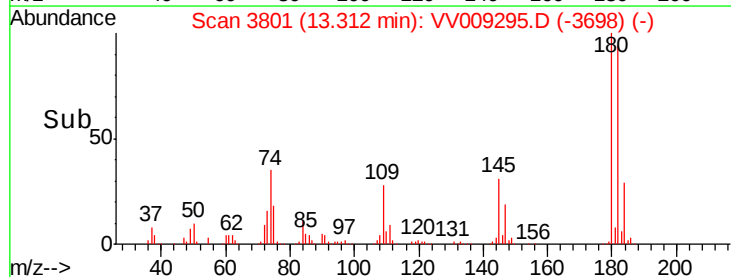
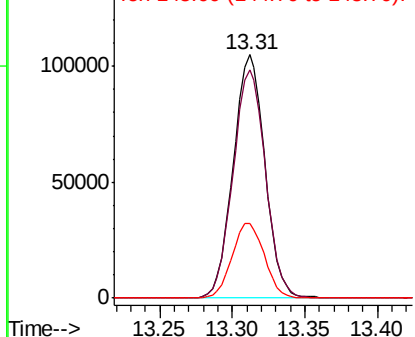


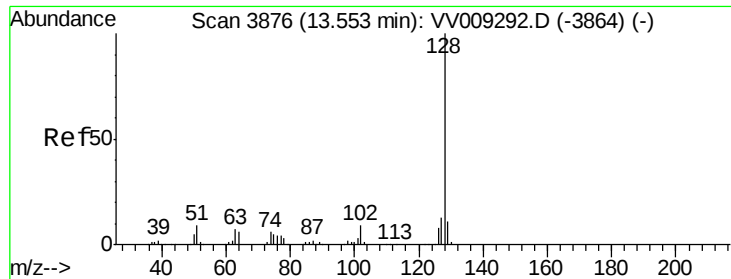
#68
 1,2,4-trichlorobenzene
 Concen: 25.975 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009295.D
 Acq: 13 Feb 2019 15:27

Tgt Ion:180 Resp: 159574
 Ion Ratio Lower Upper
 180 100
 182 95.8 74.1 111.1
 145 31.3 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V
 100000 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 23.643 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009295.D

Acq: 13 Feb 2019 15:27

Instrument :

MSVOA_V

ClientSampleId :

VICV66

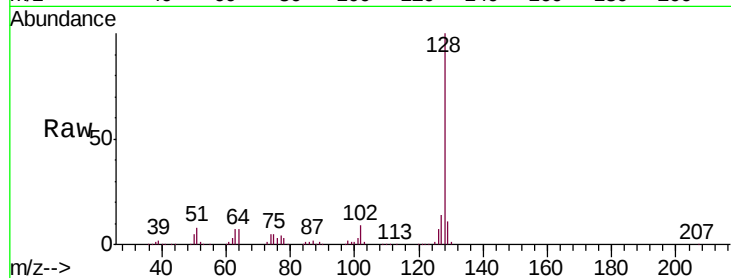
Tgt Ion:128 Resp: 308400

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

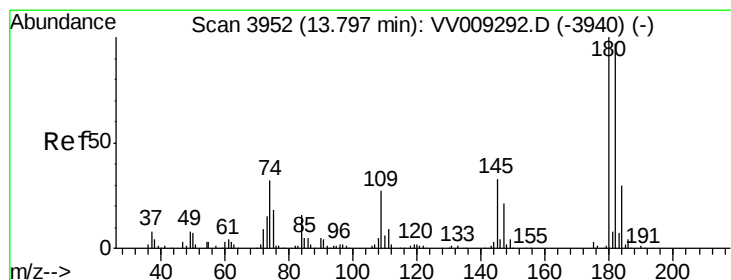
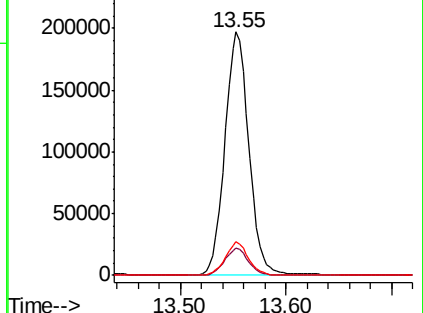
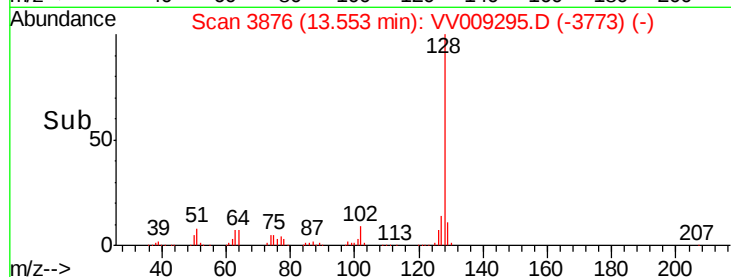
127 13.2 10.6 15.8



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: 25.065 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009295.D

Acq: 13 Feb 2019 15:27

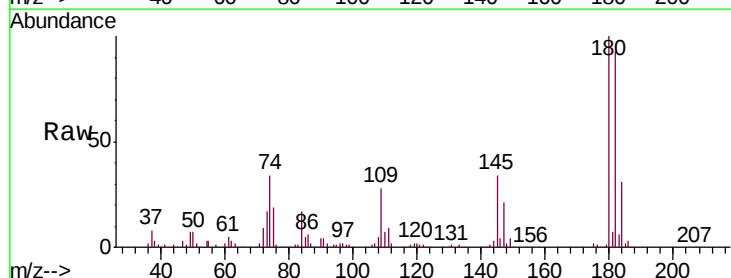
Tgt Ion:180 Resp: 147263

Ion Ratio Lower Upper

180 100

182 93.5 77.7 116.5

145 34.2 26.9 40.3



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

