

Data File : VV009894.D
Acq On : 26 Mar 2019 14:41
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV65

Quant Time: Mar 27 01:40:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 14:58:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	172899	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	177428	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	87640	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	76330	21.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.04%
7) Chloroethane-d5	1.57	69	80634	21.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.12%
10) 1,1-Dichloroethene-d2	2.13	63	222042	23.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.56%
20) 2-Butanone-d5	3.93	46	35604	54.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.92%
24) Chloroform-d	4.40	84	101960	23.15	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.08	65	62845	23.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.84%
29) Benzene-d6	5.10	84	214733	23.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.20%
33) 1,2-Dichloropropane-d6	6.12	67	63438	23.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.08%
37) Toluene-d8	7.36	98	197437	22.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.56%
38) trans-1,3-Dichloropropene-	7.66	79	27369	24.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.16%
39) 2-Hexanone-d5	8.13	63	26825	52.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.44%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	67952	25.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.72%
61) 1,2-Dichlorobenzene-d4	11.67	152	73980	22.17	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	69421	25.934 ug/L	98
3) Chloromethane	1.25	50	72422	23.411 ug/L	94
5) Vinyl chloride	1.32	62	104330	25.938 ug/L	97
6) Bromomethane	1.51	94	100520	25.055 ug/L	98
8) Chloroethane	1.59	64	80222	23.151 ug/L	100
9) Trichlorofluoromethane	1.76	101	227821	26.559 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	129796	26.033 ug/L	98
12) 1,1-Dichloroethene	2.14	96	113932	26.937 ug/L	96
13) Acetone	2.18	43	61325	61.951 ug/L	99
14) Carbon disulfide	2.31	76	150409	26.284 ug/L	98
15) Methyl Acetate	2.46	43	34701	29.927 ug/L	96
16) Methylene chloride	2.53	84	66415	23.326 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	151193	27.395 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	58263	25.718 ug/L	98
19) 1,1-Dichloroethane	3.23	63	110530	26.679 ug/L	94
21) 2-Butanone	4.01	43	54362	61.662 ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	67167	26.851 ug/L	93

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Quant Title : VOC Analysis
QLast Update : Tue Mar 26 14:58:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	32103	27.794	ug/L	91
25) Chloroform	4.42	83	125004	27.289	ug/L	96
27) 1,2-Dichloroethane	5.17	62	87105	26.838	ug/L	99
30) Cyclohexane	4.72	56	95382	26.662	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	96059	27.053	ug/L	99
32) Carbon tetrachloride	4.87	117	82443	26.713	ug/L	99
34) Benzene	5.14	78	253567	26.025	ug/L	100
35) Trichloroethene	5.96	95	62959	24.498	ug/L	98
36) Methylcyclohexane	6.17	83	107936	26.768	ug/L	98
40) 1,2-Dichloropropane	6.22	63	64684	26.568	ug/L #	95
41) Bromodichloromethane	6.55	83	80532	26.598	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	97387	27.436	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	105221	60.562	ug/L	98
44) Toluene	7.43	91	280718	26.135	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	81472	28.039	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	55078	27.353	ug/L	99
47) Tetrachloroethene	8.02	164	52269	25.774	ug/L	97
49) 2-Hexanone	8.18	43	75049	63.913	ug/L	98
50) Dibromochloromethane	8.29	129	57973	27.766	ug/L	96
51) 1,2-Dibromoethane	8.40	107	53672	27.452	ug/L #	99
52) Chlorobenzene	8.92	112	187914	26.280	ug/L	98
53) Ethylbenzene	9.05	91	314820	26.570	ug/L	100
54) m,p-Xylene	9.18	106	120805	25.959	ug/L	92
55) o-xylene	9.59	106	119979	26.562	ug/L	97
56) Styrene	9.60	104	201673	25.993	ug/L	96
57) Isopropylbenzene	9.97	105	317206	27.069	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	75347	27.761	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	54152	27.645	ug/L	100
62) Bromoform	9.77	173	29378	26.061	ug/L	92
63) 1,3-Dichlorobenzene	11.23	146	144329	26.626	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	145426	24.686	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	137457	25.694	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	9681	28.954	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	104013	27.019	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	79385	27.955	ug/L	98
69) Naphthalene	13.55	128	141103	29.892	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	73916	27.375	ug/L	99

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

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Instrument :
MSVOA_V
ClientSampleId :
VICV65

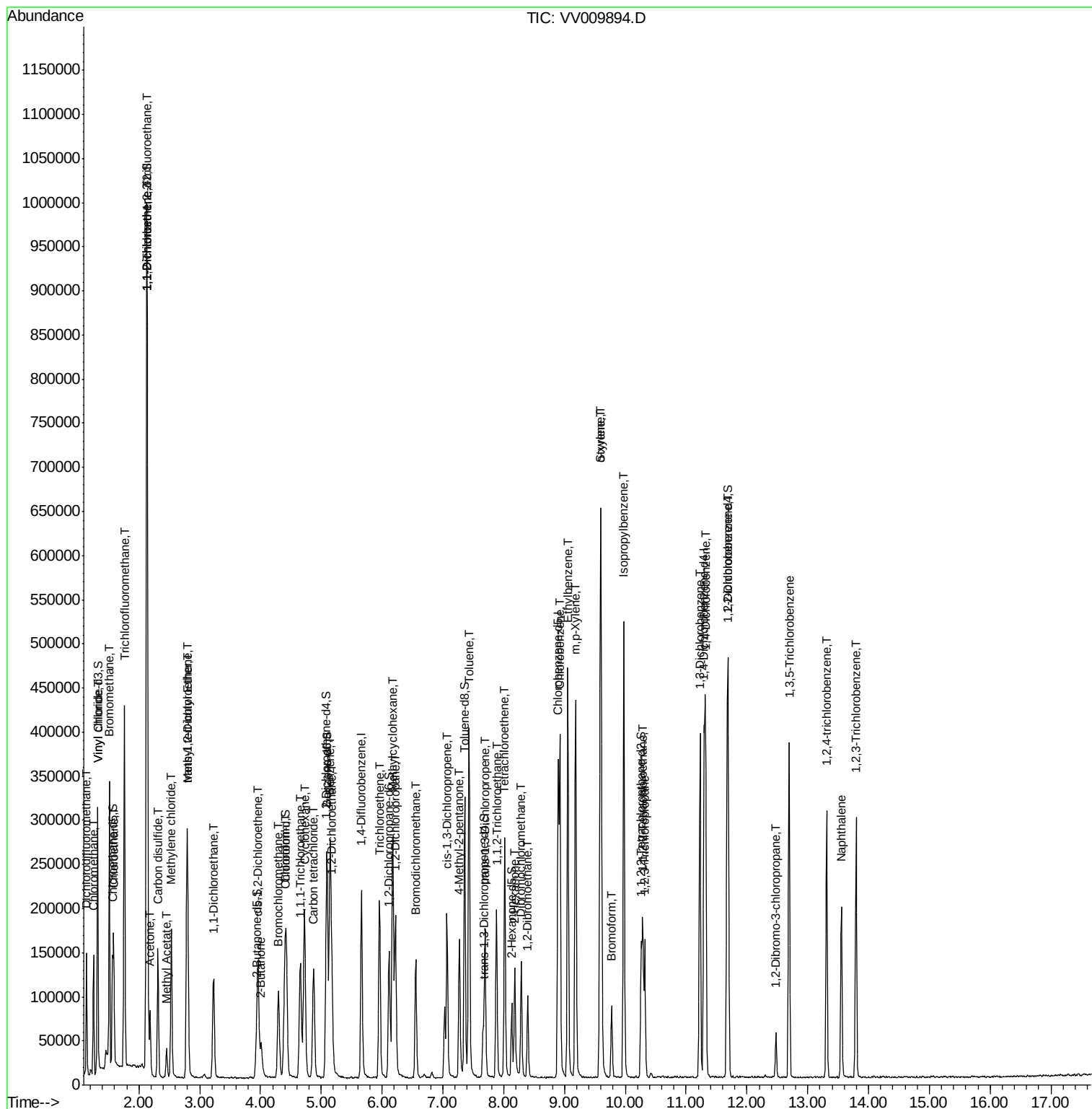
Quant Time: Mar 27 01:40:08 2019

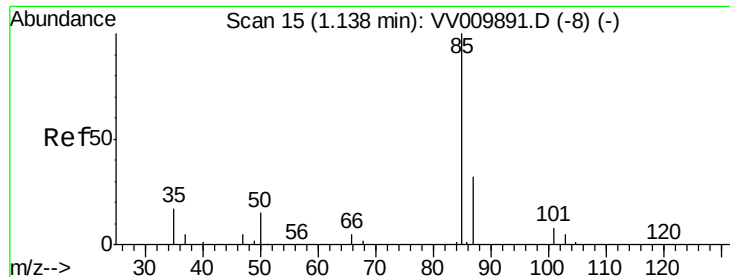
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM032619S.M

Quant Title : VOC Analysis

QLast Update : Tue Mar 26 14:58:43 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 25.934 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

Instrument :

MSVOA_V

ClientSampleId :

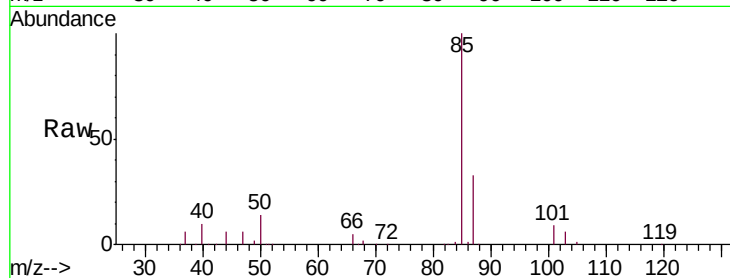
VICV65

Tgt Ion: 85 Resp: 69421

Ion Ratio Lower Upper

85 100

87 33.0 22.2 41.2



Abundance Ion 85.00 (84.70 to 85.70): VV009891.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009891.D (-8) (-)

1.14

80000

60000

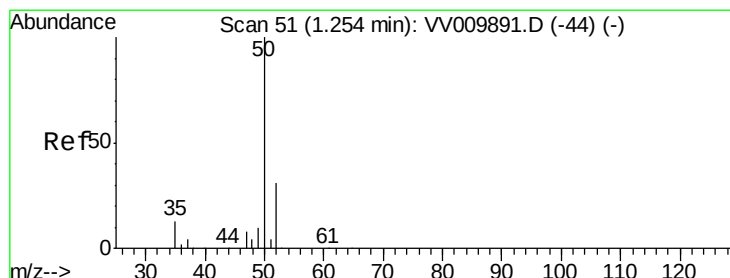
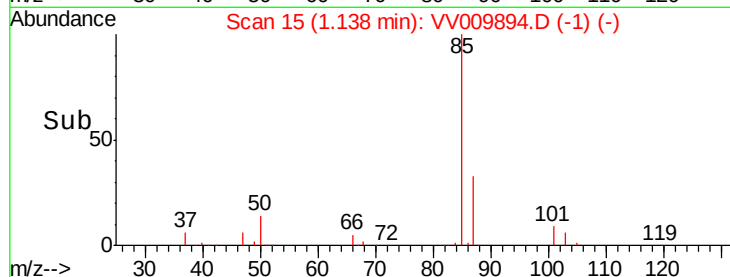
40000

20000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 23.411 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV009894.D

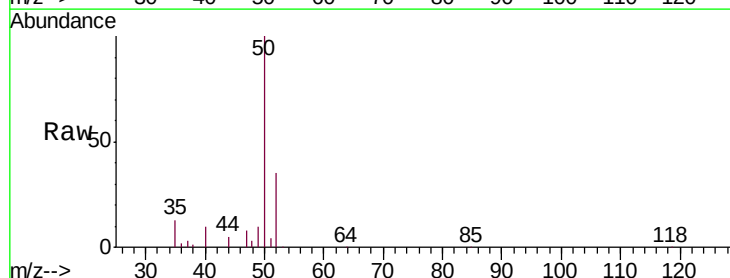
Acq: 26 Mar 2019 14:41

Tgt Ion: 50 Resp: 72422

Ion Ratio Lower Upper

50 100

52 34.7 21.8 40.6



Abundance Ion 50.00 (49.70 to 50.70): VV009891.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV009891.D (-44) (-)

1.25

80000

60000

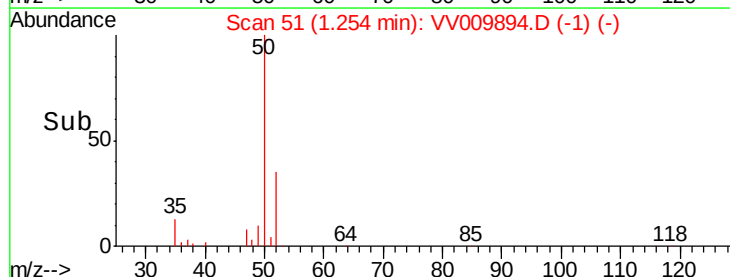
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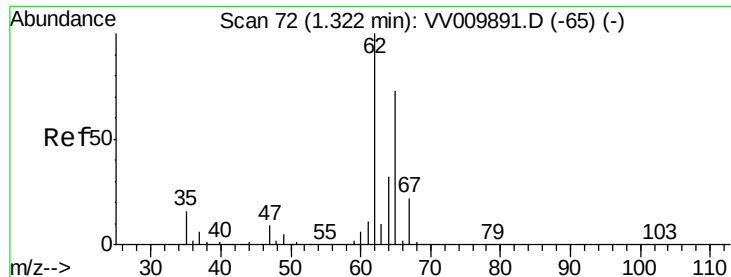
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 25.938 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

Instrument :

MSVOA_V

ClientSampleId :

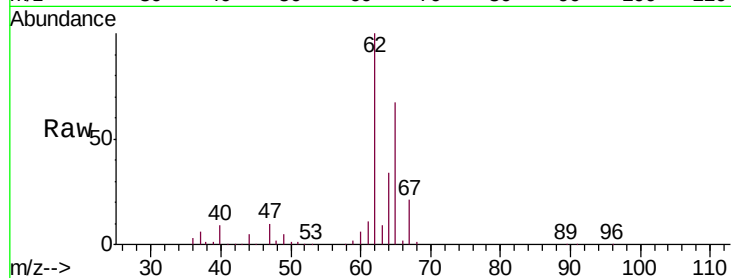
VICV65

Tgt Ion: 62 Resp: 104330

Ion Ratio Lower Upper

62 100

64 34.1 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV009891.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV009891.D (-65) (-)

120000

100000

80000

60000

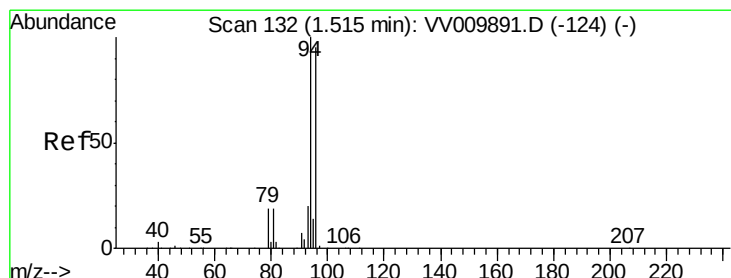
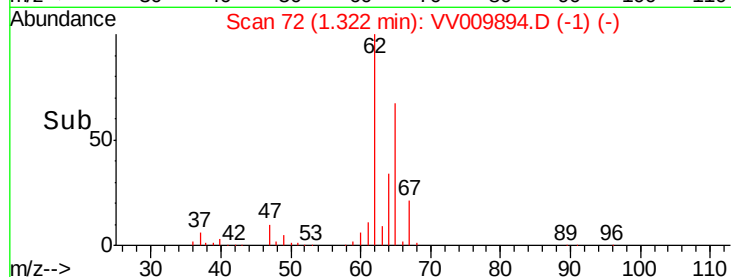
40000

20000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 25.055 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.00 min

Lab File: VV009894.D

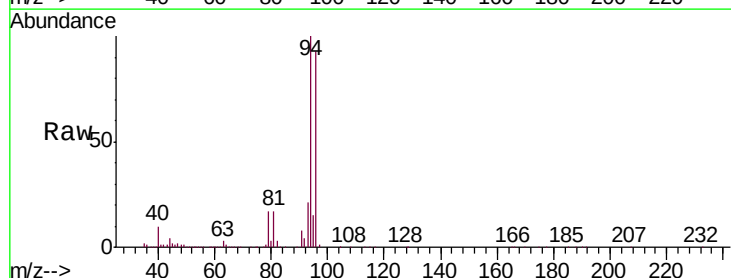
Acq: 26 Mar 2019 14:41

Tgt Ion: 94 Resp: 100520

Ion Ratio Lower Upper

94 100

96 92.5 9.4 179.4



Abundance Ion 94.00 (93.70 to 94.70): VV009891.D (-124) (-)

Ion 96.00 (95.70 to 96.70): VV009891.D (-124) (-)

120000

100000

80000

60000

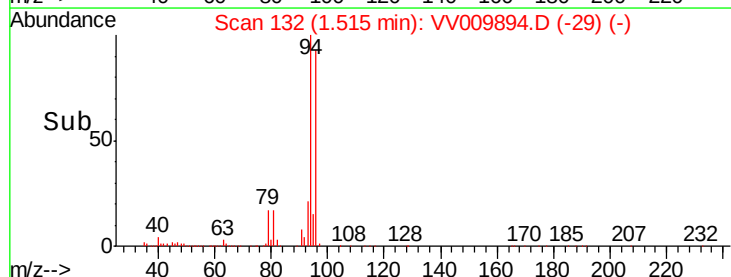
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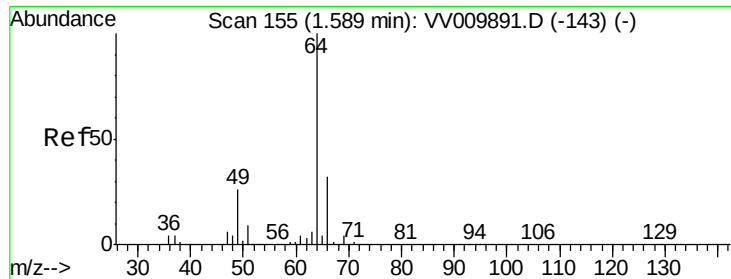
20000

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 23.151 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

Instrument :

MSVOA_V

ClientSampleId :

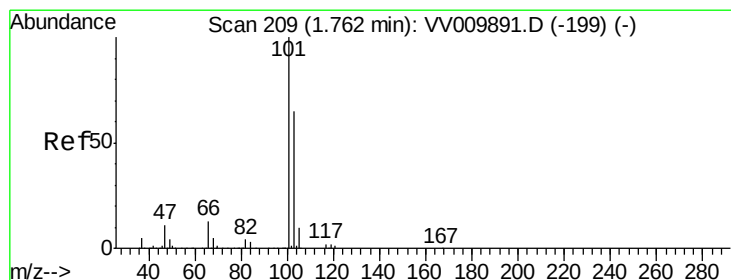
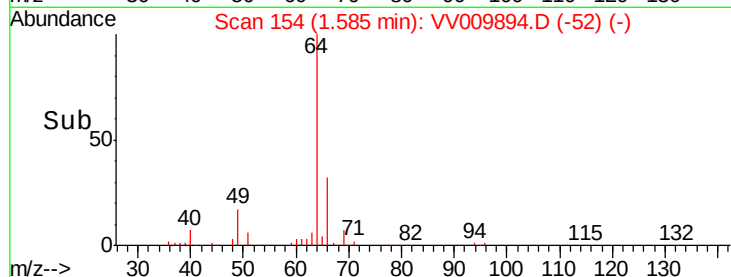
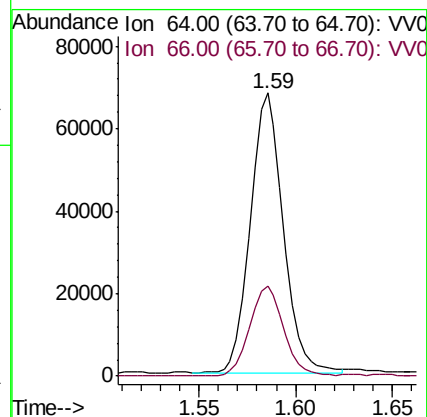
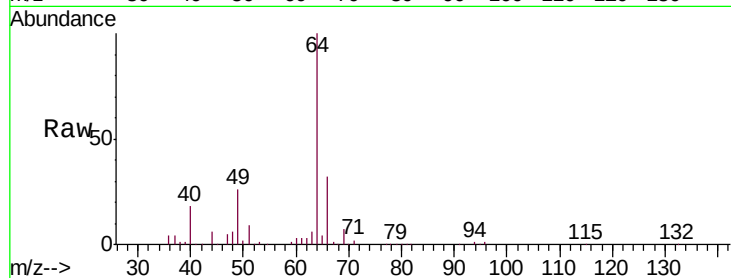
VICV65

Tgt Ion: 64 Resp: 80222

Ion Ratio Lower Upper

64 100

66 31.7 22.3 41.5



#9

Trichlorofluoromethane

Concen: 26.559 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV009894.D

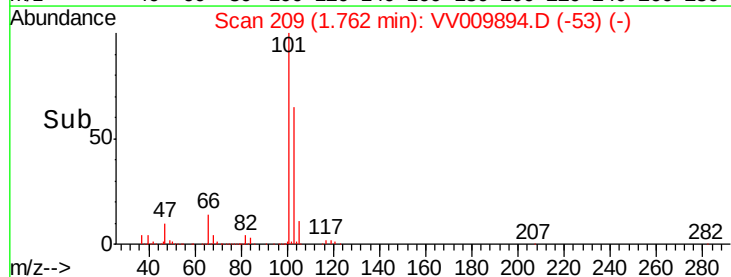
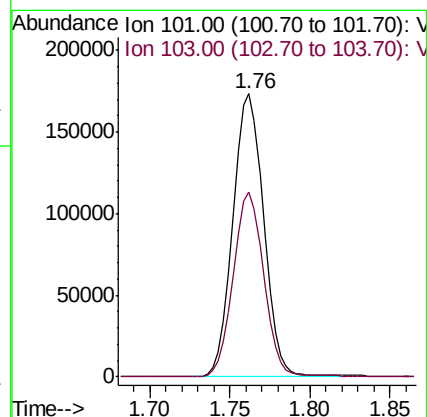
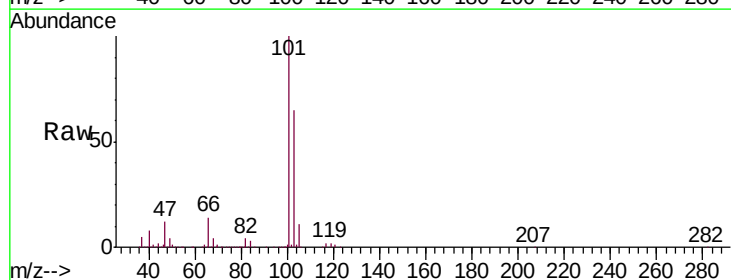
Acq: 26 Mar 2019 14:41

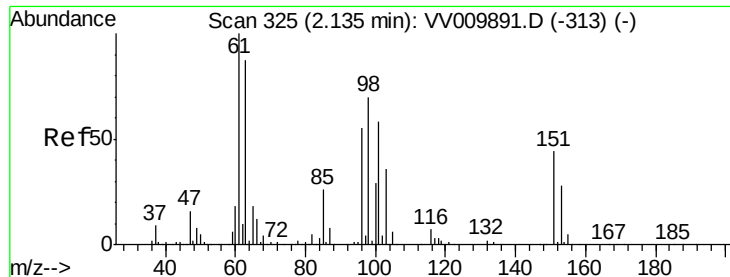
Tgt Ion: 101 Resp: 227821

Ion Ratio Lower Upper

101 100

103 64.6 45.1 83.9





#11

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

Concen: 26.033 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

Instrument :

MSVOA_V

ClientSampled :

VICV65

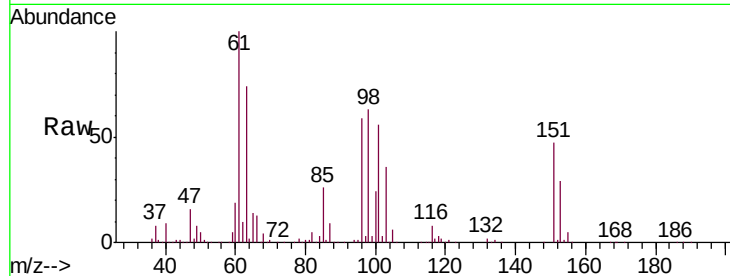
Tgt Ion:101 Resp: 129796

Ion Ratio Lower Upper

101 100

85 47.1 36.9 55.3

151 81.1 63.6 95.4



Abundance Ion 101.00 (100.70 to 101.70): VV009891.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV009891.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV009891.D (-313) (-)

Time-->

2.05 2.10 2.15 2.20

2.14

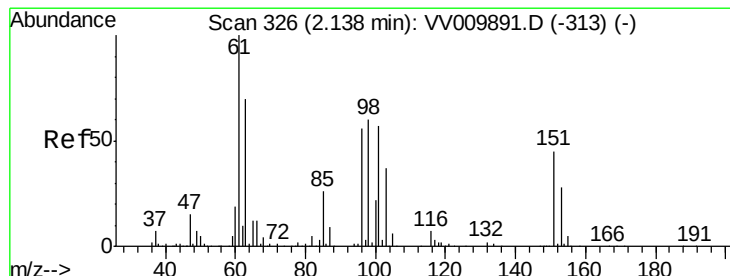
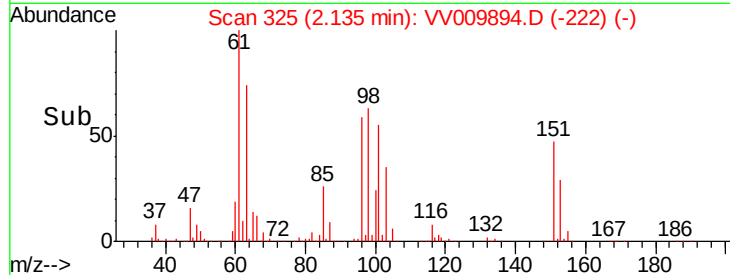
80000

60000

40000

20000

0



#12

1,1-Dichloroethene

Concen: 26.937 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

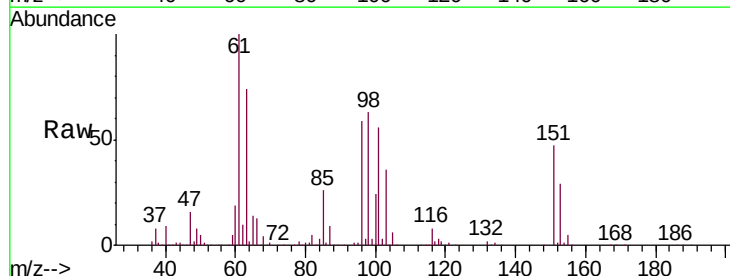
Tgt Ion: 96 Resp: 113932

Ion Ratio Lower Upper

96 100

61 169.5 124.3 230.8

63 124.7 88.2 163.8



Abundance Ion 96.00 (95.70 to 96.70): VV009891.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV009891.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV009891.D (-313) (-)

Time-->

2.05 2.10 2.15 2.20

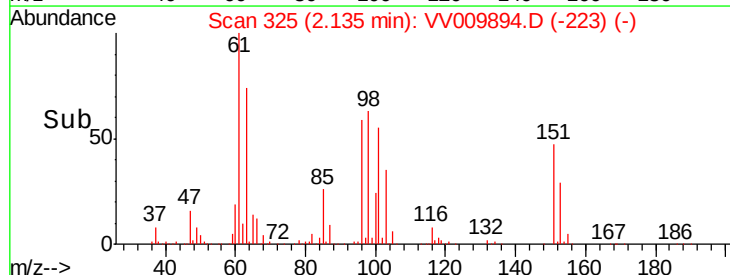
2.14

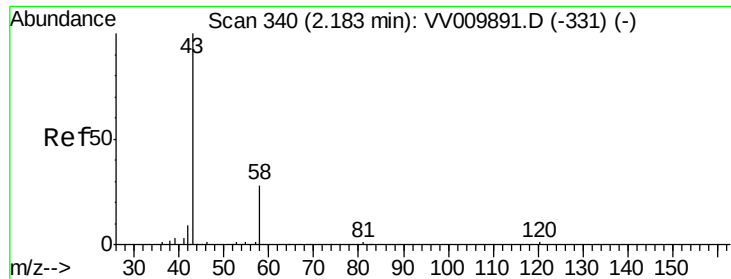
150000

100000

50000

0





#13

Acetone

Concen: 61.951 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

Instrument :

MSVOA_V

ClientSampleId :

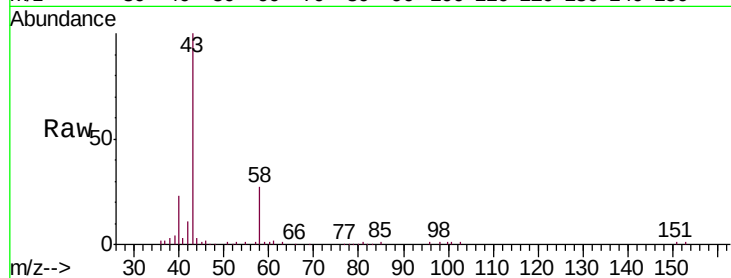
VICV65

Tgt Ion: 43 Resp: 61325

Ion Ratio Lower Upper

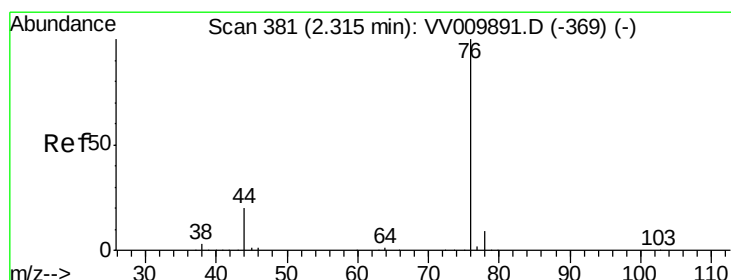
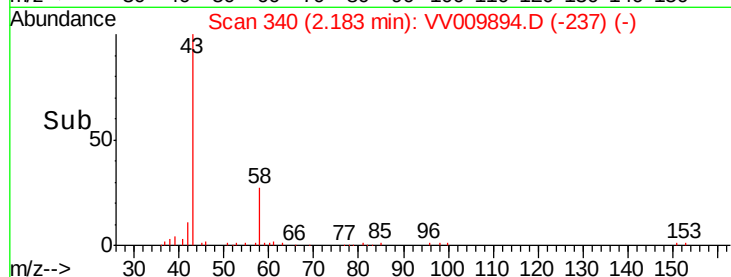
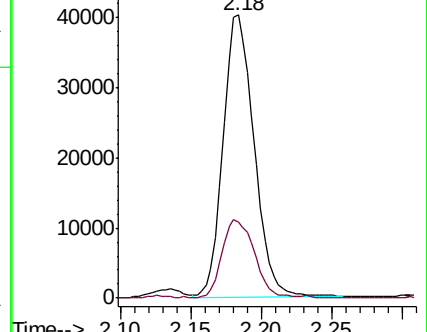
43 100

58 29.2 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV009891.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009891.D (-331) (-)



#14

Carbon disulfide

Concen: 26.284 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV009894.D

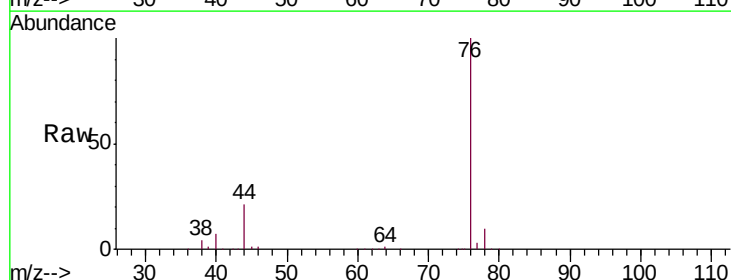
Acq: 26 Mar 2019 14:41

Tgt Ion: 76 Resp: 150409

Ion Ratio Lower Upper

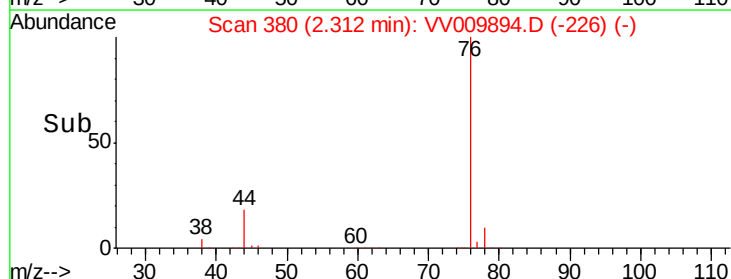
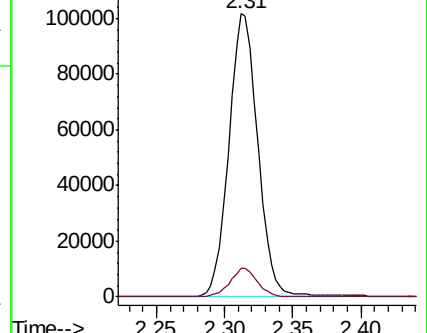
76 100

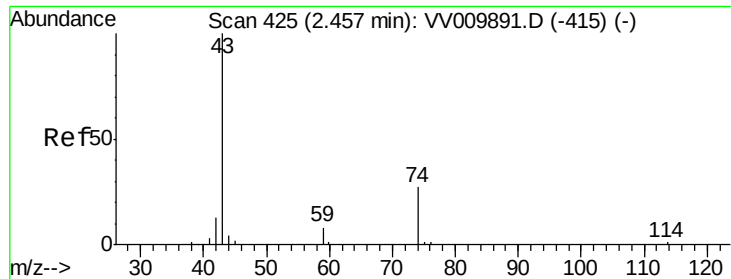
78 10.0 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV009891.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV009891.D (-369) (-)

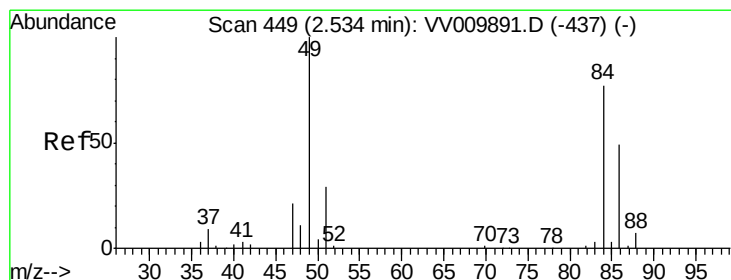
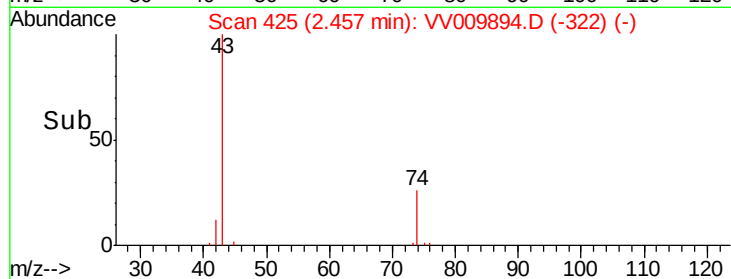
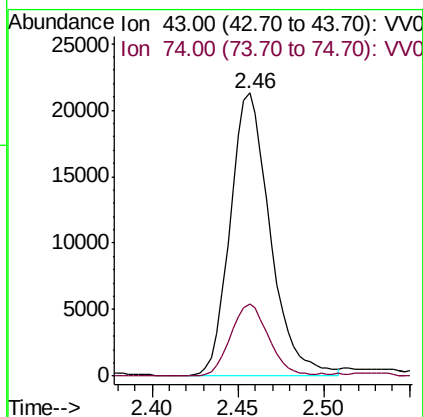
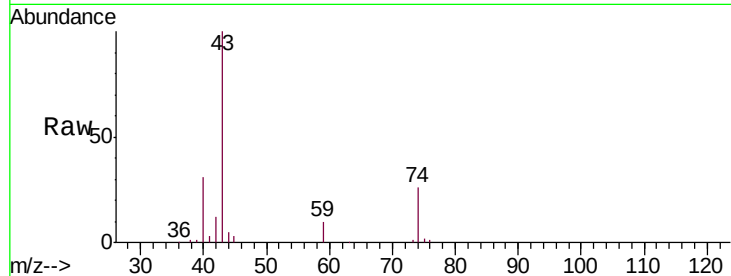




#15
Methyl Acetate
Concen: 29.927 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV009894.D
Acq: 26 Mar 2019 14:41

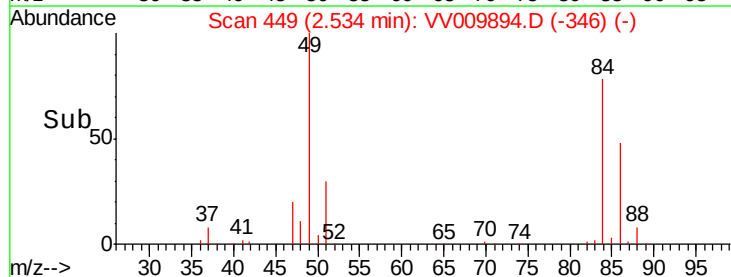
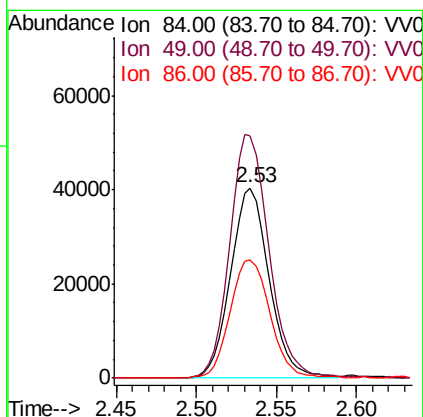
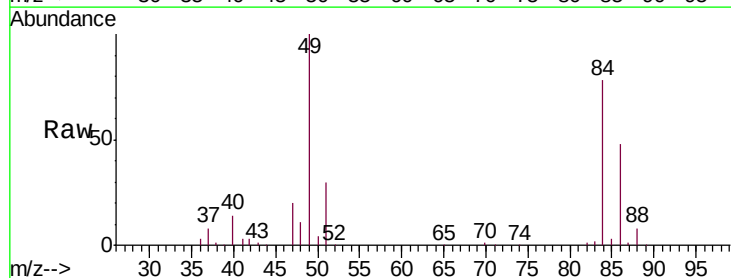
Instrument :
MSVOA_V
ClientSampleId :
VICV65

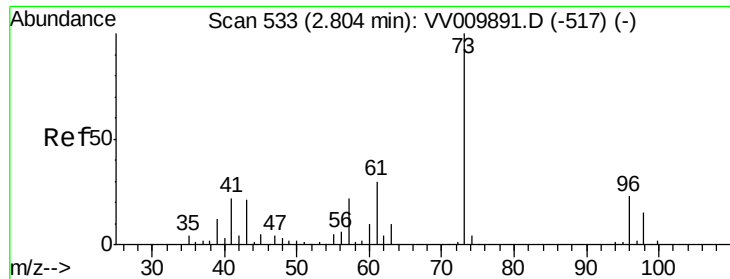
Tgt Ion: 43 Resp: 34701
Ion Ratio Lower Upper
43 100
74 24.2 20.9 31.3



#16
Methylene chloride
Concen: 23.326 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009894.D
Acq: 26 Mar 2019 14:41

Tgt Ion: 84 Resp: 66415
Ion Ratio Lower Upper
84 100
49 127.7 90.4 167.8
86 61.9 44.0 81.6

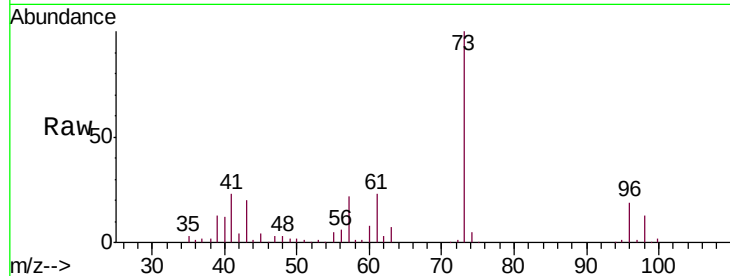




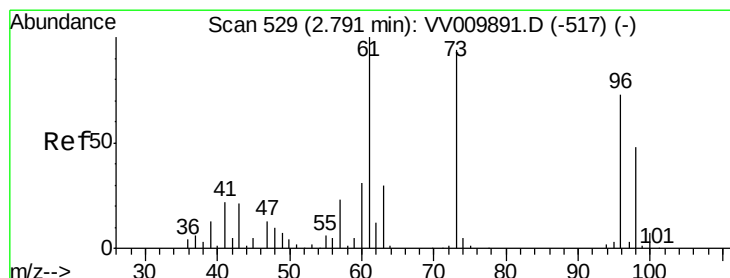
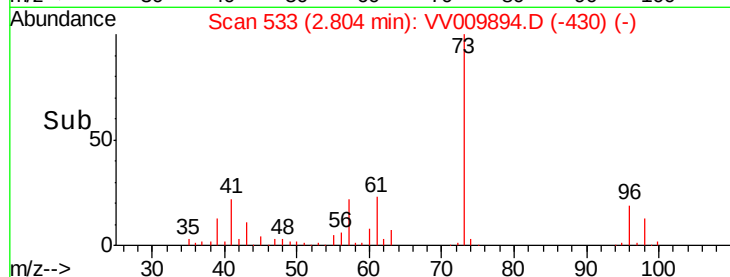
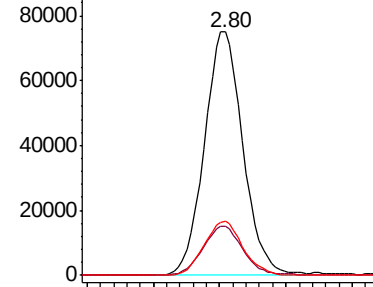
#17
Methyl tert-butyl Ether
Concen: 27.395 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV009894.D
Acq: 26 Mar 2019 14:41

Instrument :
MSVOA_V
ClientSampleId :
VICV65

Tgt Ion: 73 Resp: 151193
Ion Ratio Lower Upper
73 100
43 21.1 17.0 25.6
57 22.4 18.0 27.0

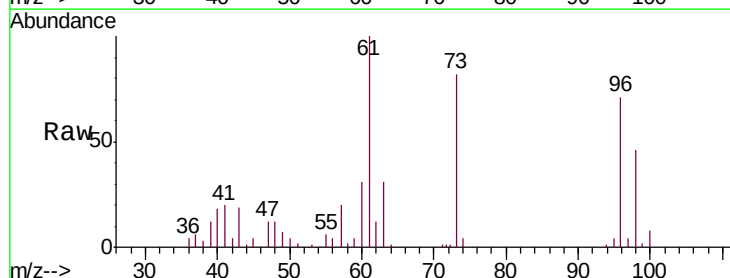


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

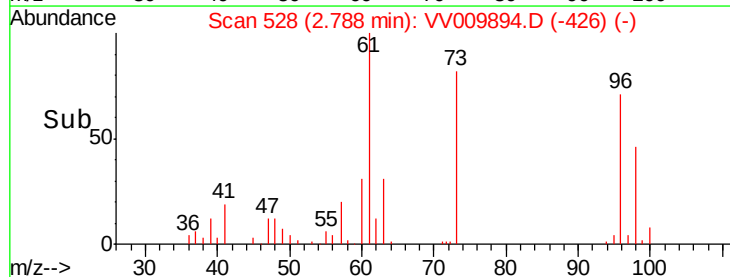
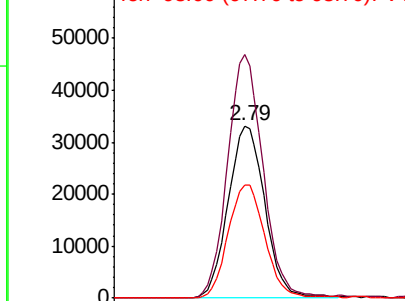


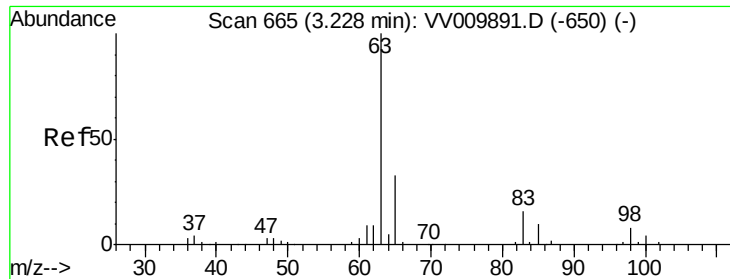
#18
trans-1,2-Dichloroethene
Concen: 25.718 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV009894.D
Acq: 26 Mar 2019 14:41

Tgt Ion: 96 Resp: 58263
Ion Ratio Lower Upper
96 100
61 141.2 96.8 179.8
98 65.6 46.1 85.7



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

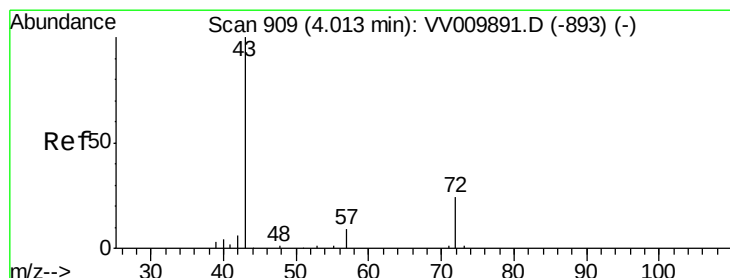
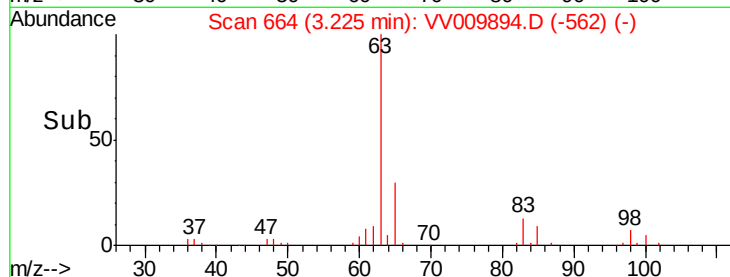
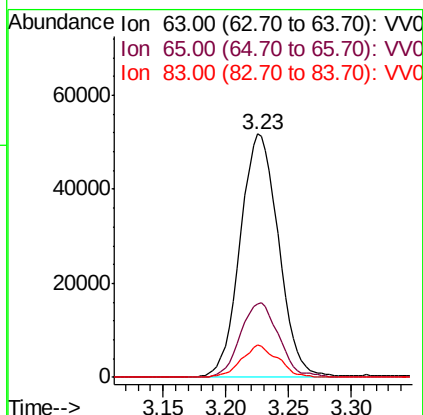
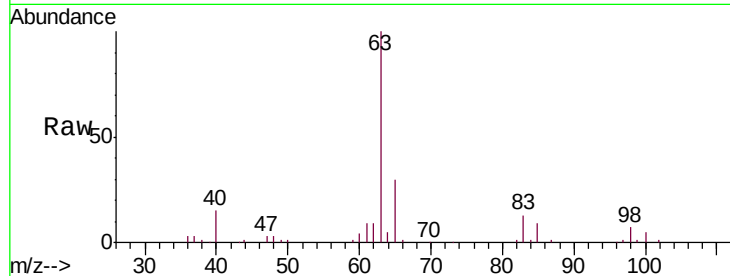




#19
 1,1-Dichloroethane
 Concen: 26.679 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV009894.D
 Acq: 26 Mar 2019 14:41

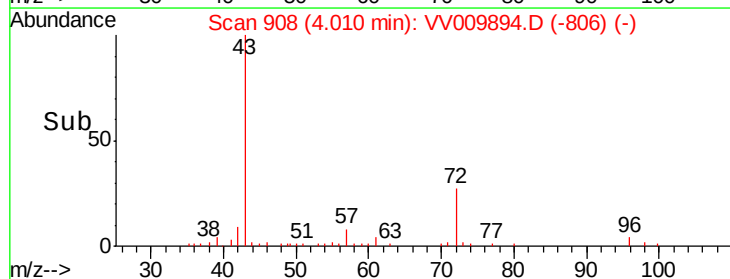
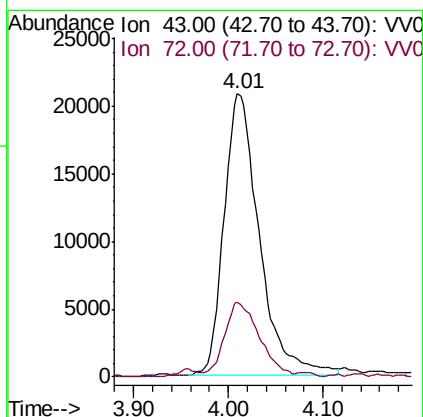
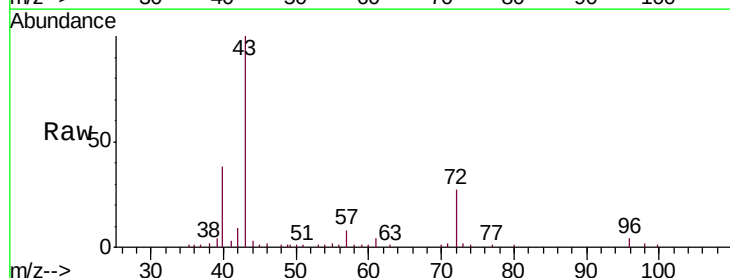
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

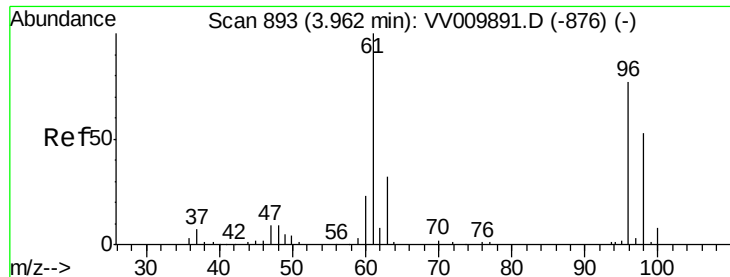
Tgt Ion: 63 Resp: 110530
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.2 43.0
 83 13.3 11.3 21.1



#21
 2-Butanone
 Concen: 61.662 ug/L
 RT: 4.01 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: VV009894.D
 Acq: 26 Mar 2019 14:41

Tgt Ion: 43 Resp: 54362
 Ion Ratio Lower Upper
 43 100
 72 26.2 11.1 33.1



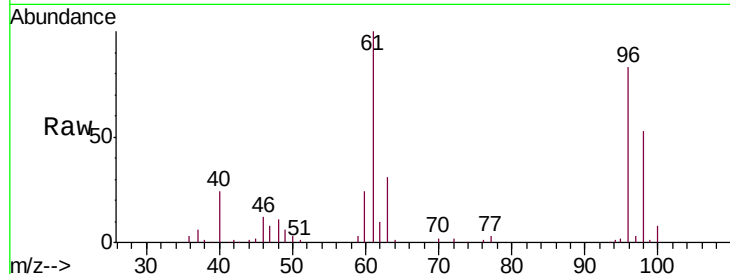


#22

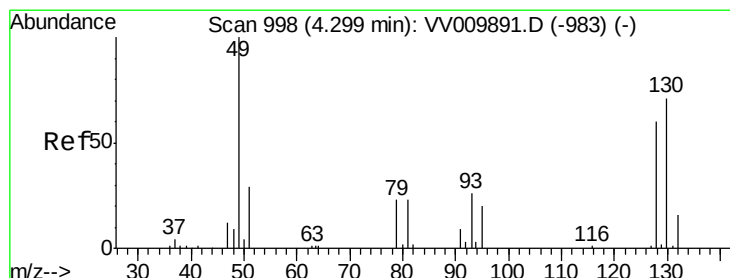
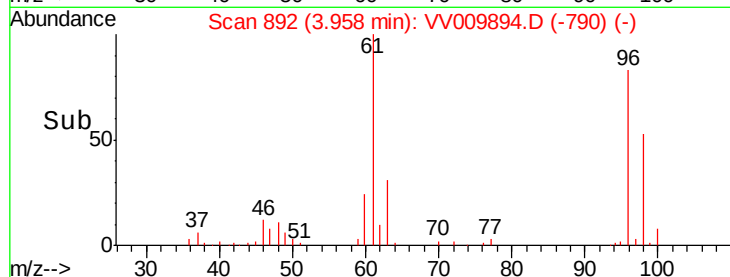
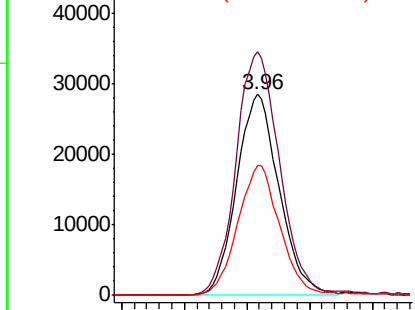
cis-1,2-Dichloroethene
Concen: 26.851 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV009894.D
Acq: 26 Mar 2019 14:41

Instrument :
MSVOA_V
ClientSampled :
VICV65

Tgt Ion: 96 Resp: 67167
Ion Ratio Lower Upper
96 100
61 121.2 91.4 169.8
98 64.5 48.0 89.2



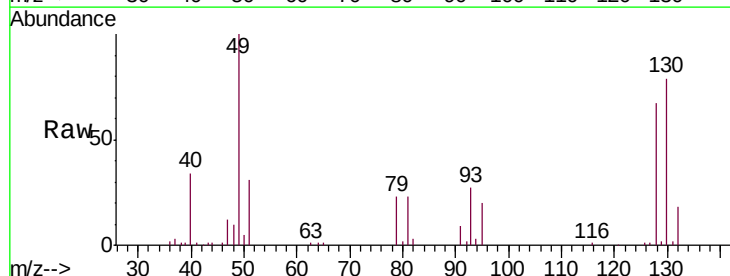
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



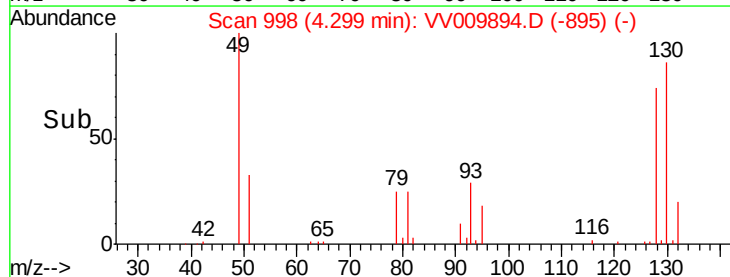
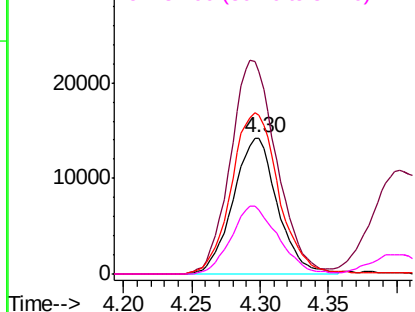
#23

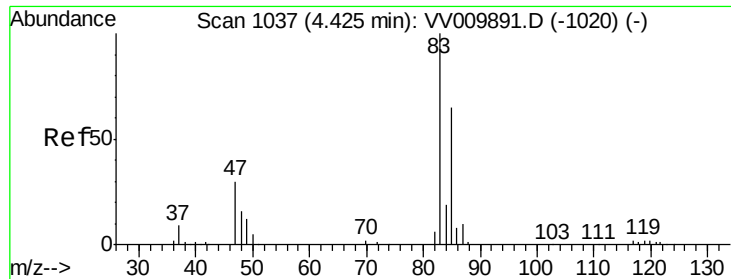
Bromochloromethane
Concen: 27.794 ug/L
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV009894.D
Acq: 26 Mar 2019 14:41

Tgt Ion: 128 Resp: 32103
Ion Ratio Lower Upper
128 100
49 148.2 118.2 219.6
130 117.0 83.4 154.8
51 46.6 39.4 59.2



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

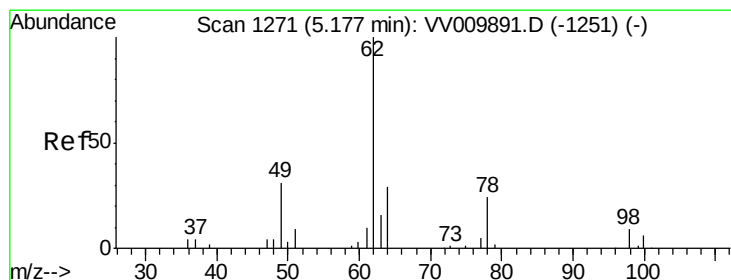
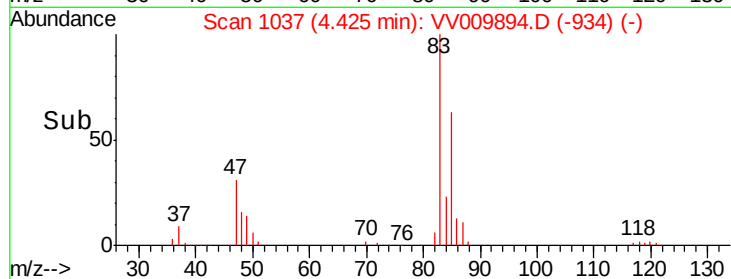
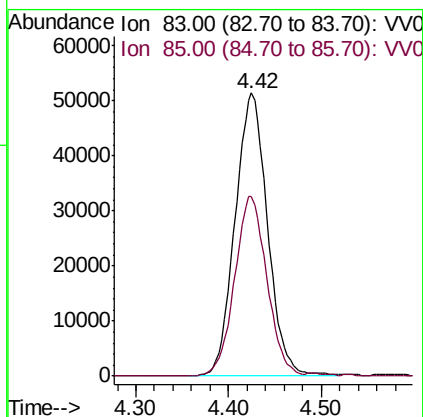
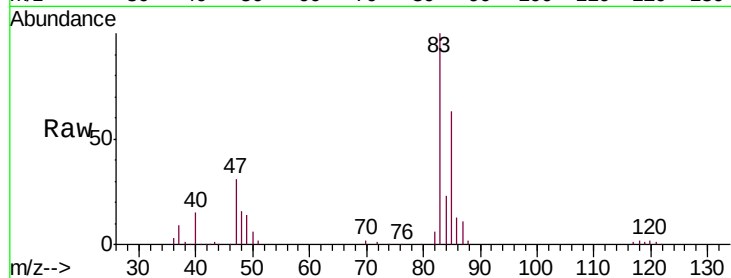




#25
Chloroform
Concen: 27.289 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV009894.D
Acq: 26 Mar 2019 14:41

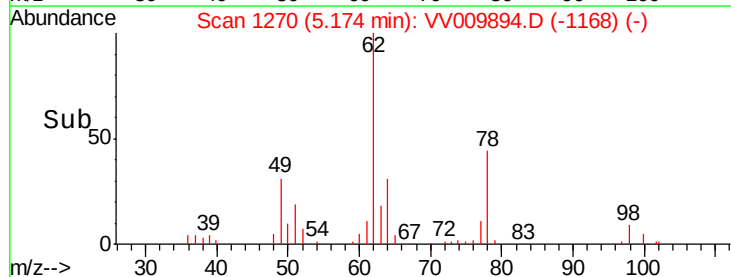
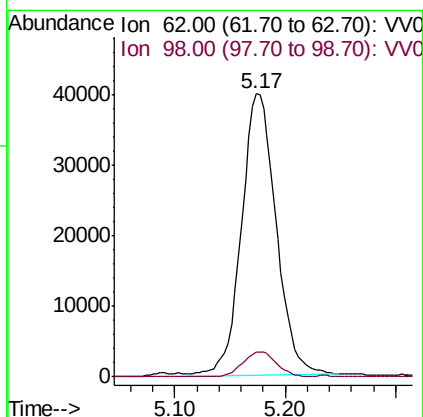
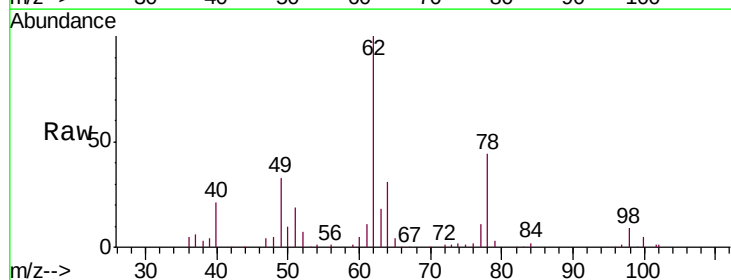
Instrument :
MSVOA_V
ClientSampleId :
VICV65

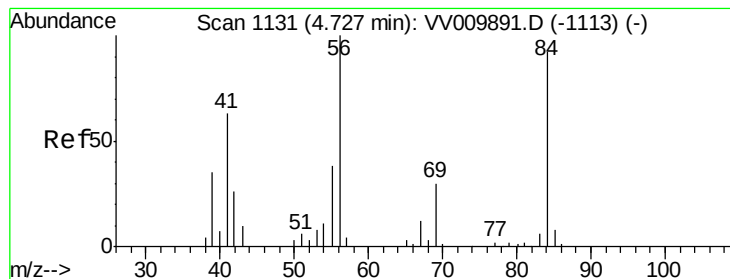
Tgt Ion: 83 Resp: 125004
Ion Ratio Lower Upper
83 100
85 63.0 46.1 85.7



#27
1,2-Dichloroethane
Concen: 26.838 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV009894.D
Acq: 26 Mar 2019 14:41

Tgt Ion: 62 Resp: 87105
Ion Ratio Lower Upper
62 100
98 8.7 7.2 10.8





#30

Cyclohexane

Concen: 26.662 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

Instrument :

MSVOA_V

ClientSampled :

VICV65

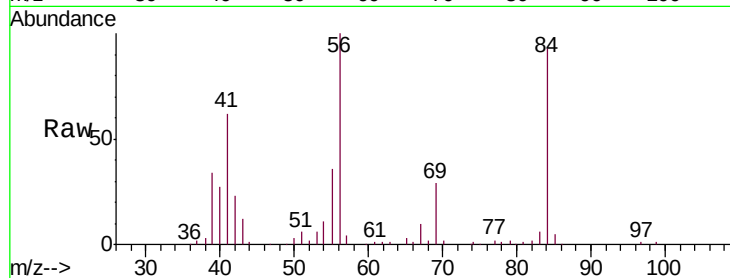
Tgt Ion: 56 Resp: 95382

Ion Ratio Lower Upper

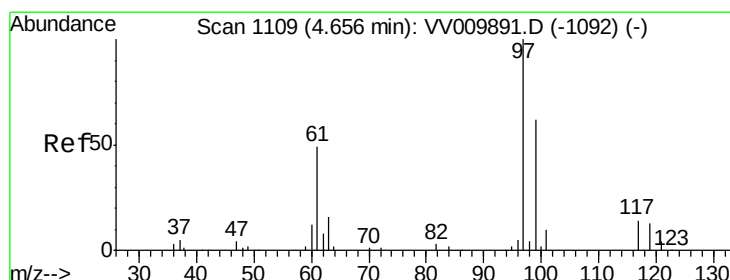
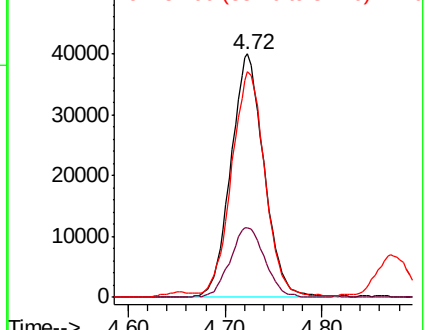
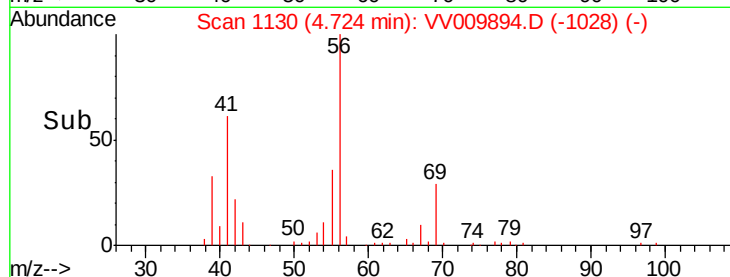
56 100

69 29.8 24.5 36.7

84 93.8 75.6 113.4



Abundance Ion 56.00 (55.70 to 56.70): VV009894.D (-1028) (-)



#31

1,1,1-Trichloroethane

Concen: 27.053 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

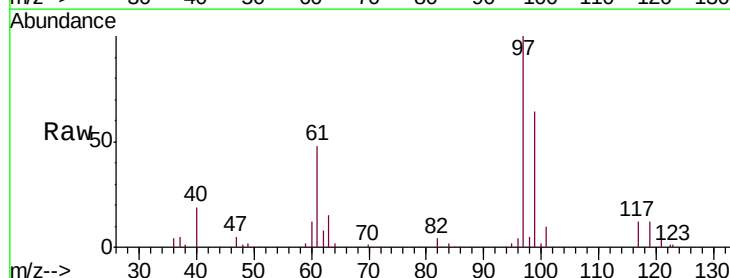
Tgt Ion: 97 Resp: 96059

Ion Ratio Lower Upper

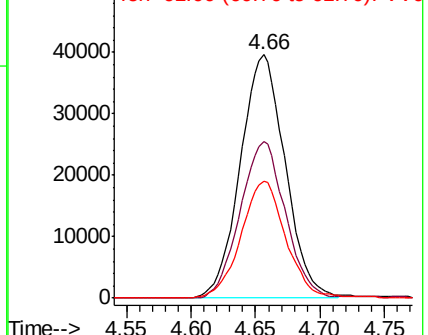
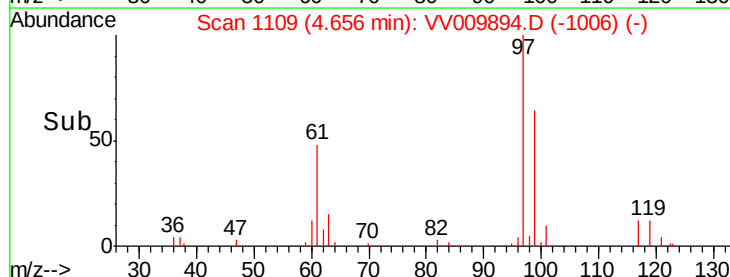
97 100

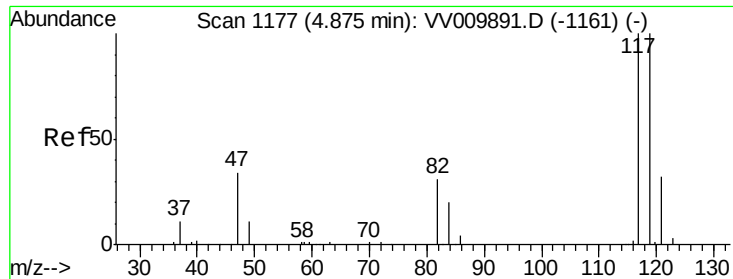
99 64.9 51.5 77.3

61 47.9 39.4 59.0



Abundance Ion 97.00 (96.70 to 97.70): VV009894.D (-1006) (-)





#32

Carbon tetrachloride

Concen: 26.713 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

Instrument :

MSVOA_V

ClientSampleId :

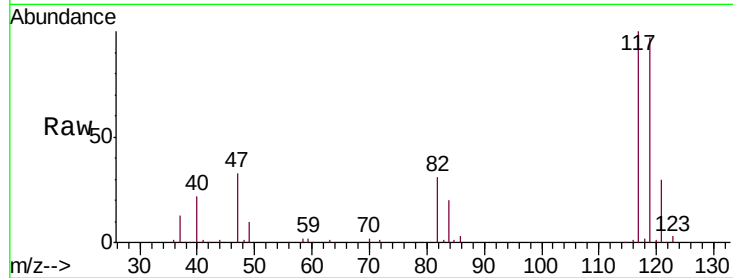
VICV65

Tgt Ion:117 Resp: 82443

Ion Ratio Lower Upper

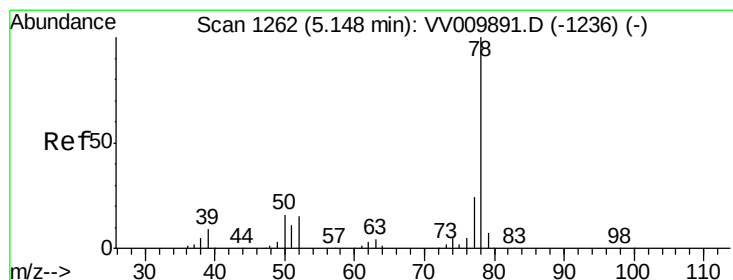
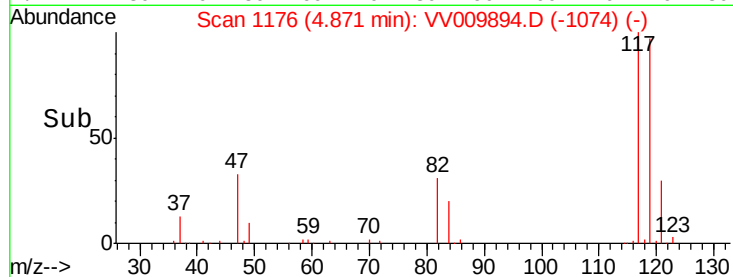
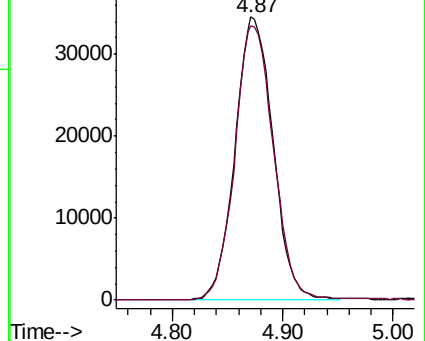
117 100

119 98.5 78.1 117.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.025 ug/L

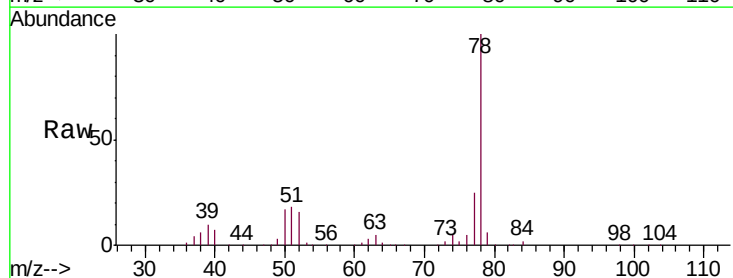
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

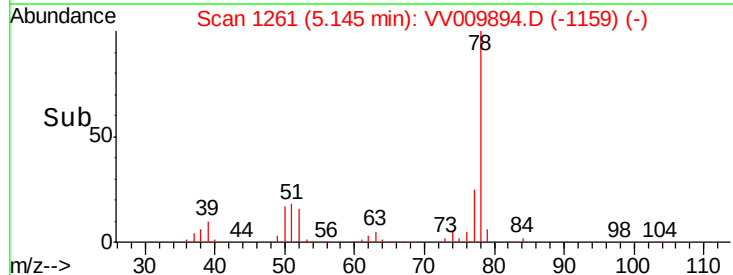
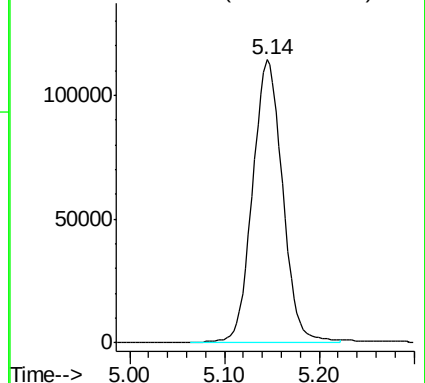
Lab File: VV009894.D

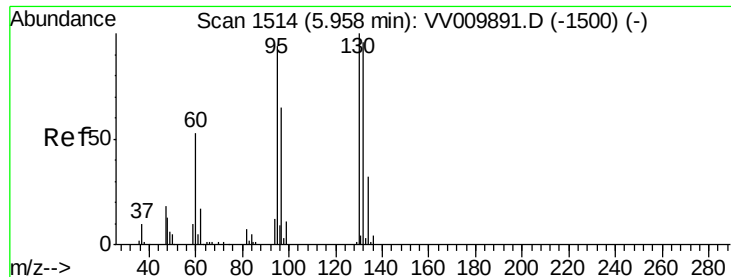
Acq: 26 Mar 2019 14:41

Tgt Ion: 78 Resp: 253567



Abundance Ion 78.00 (77.70 to 78.70): VV0

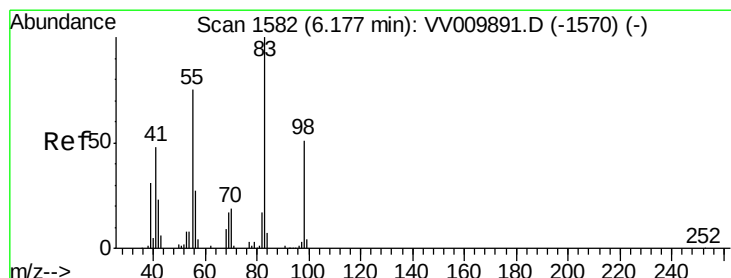
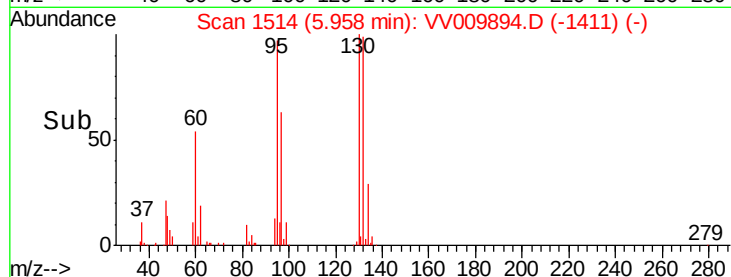
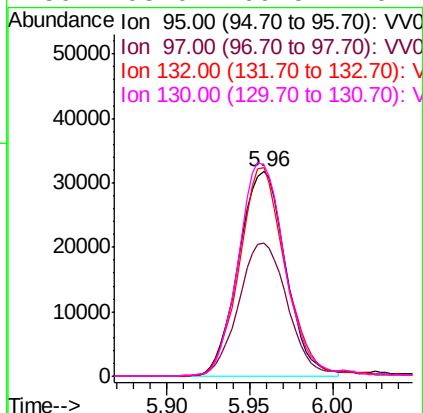
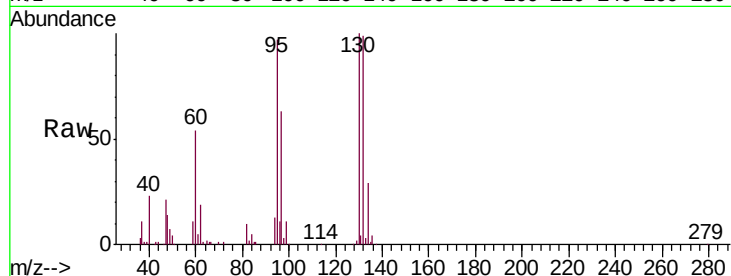




#35
 Trichloroethene
 Concen: 24.498 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009894.D
 Acq: 26 Mar 2019 14:41

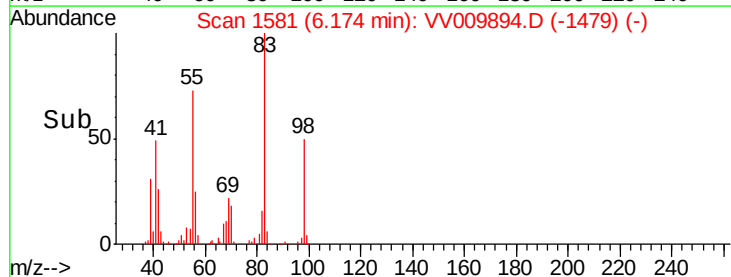
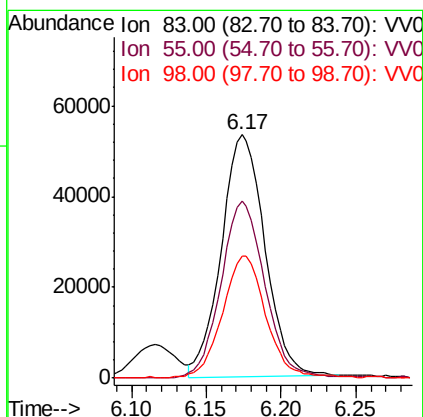
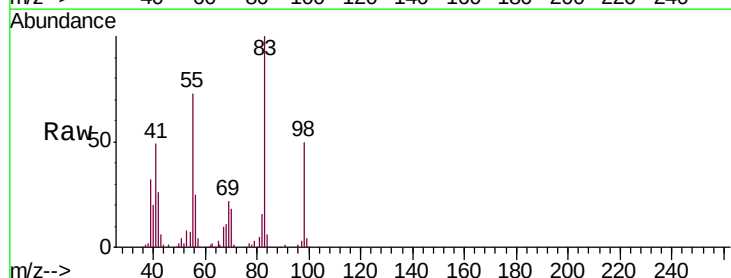
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

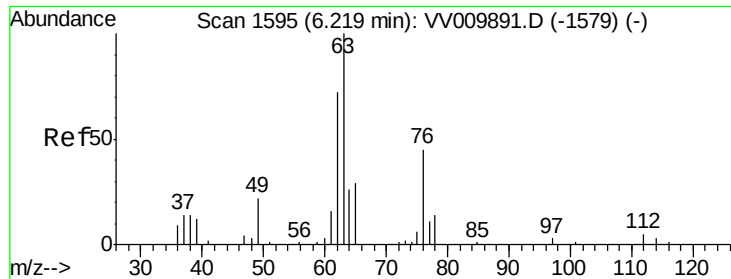
Tgt Ion:	95	Resp:	62959
Ion	Ratio	Lower	Upper
95	100		
97	67.3	46.3	85.9
132	98.9	69.3	128.7
130	103.0	69.5	129.1



#36
 Methylcyclohexane
 Concen: 26.768 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV009894.D
 Acq: 26 Mar 2019 14:41

Tgt Ion:	83	Resp:	107936
Ion	Ratio	Lower	Upper
83	100		
55	73.8	57.3	85.9
98	50.4	39.2	58.8

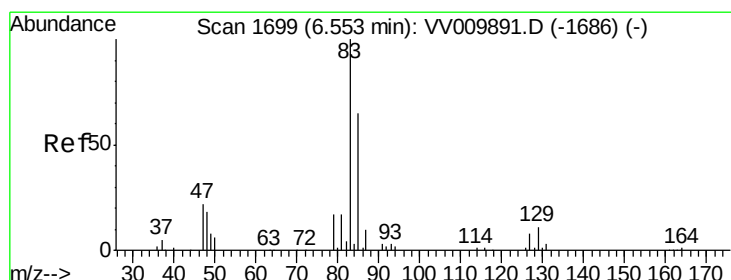
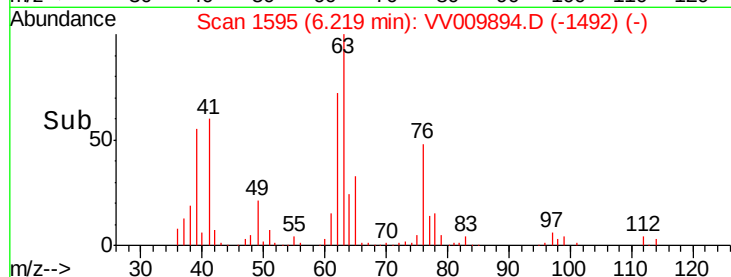
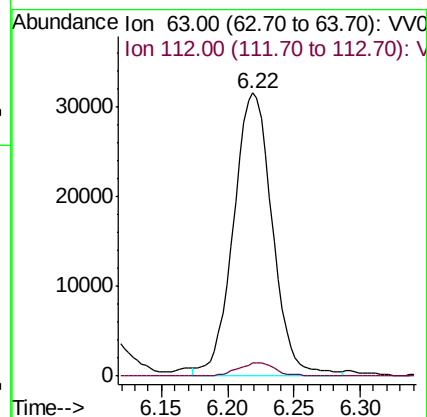
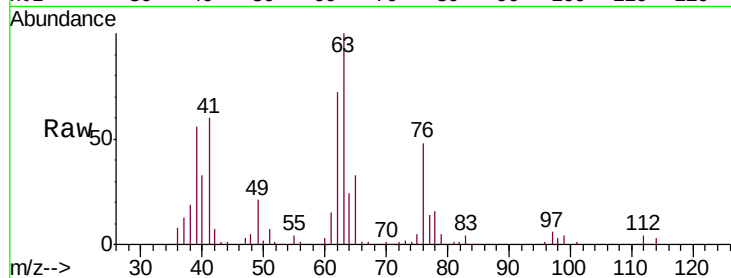




#40
 1,2-Dichloropropane
 Concen: 26.568 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV009894.D
 Acq: 26 Mar 2019 14:41

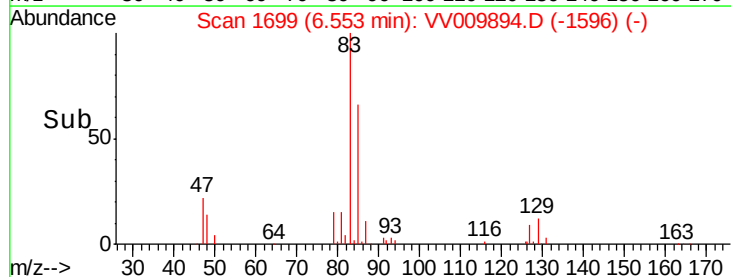
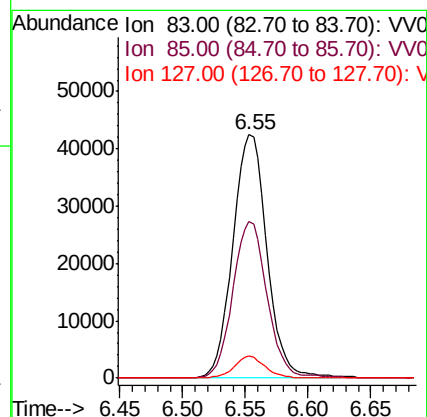
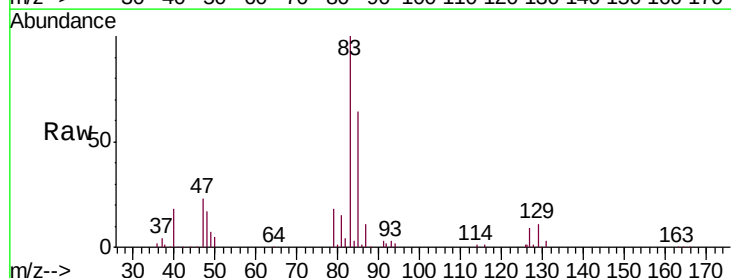
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

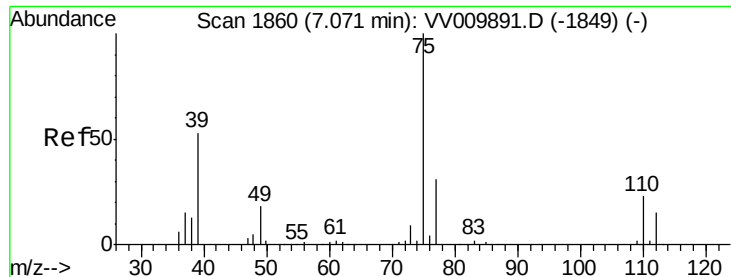
Tgt Ion: 63 Resp: 64684
 Ion Ratio Lower Upper
 63 100
 112 4.3 2.1 3.1#



#41
 Bromodichloromethane
 Concen: 26.598 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV009894.D
 Acq: 26 Mar 2019 14:41

Tgt Ion: 83 Resp: 80532
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.6 84.8
 127 9.0 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 27.436 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

Instrument :

MSVOA_V

ClientSampled :

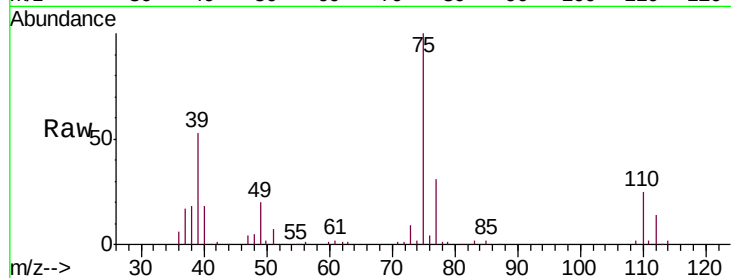
VICV65

Tgt Ion: 75 Resp: 97387

Ion Ratio Lower Upper

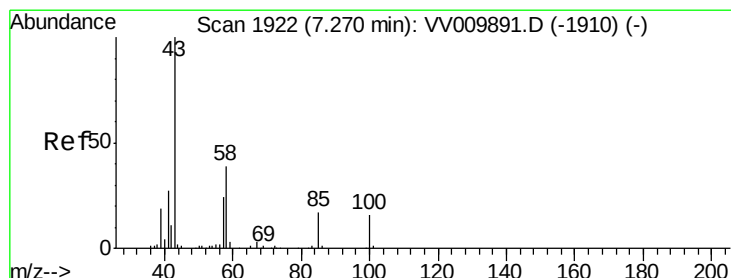
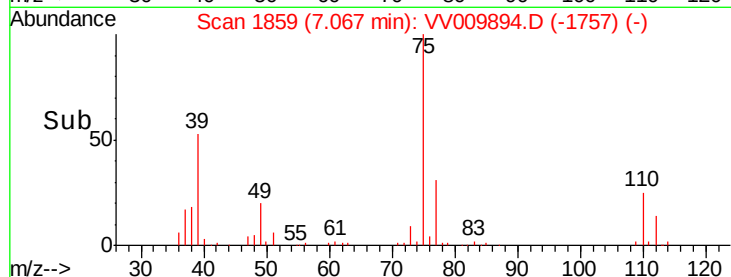
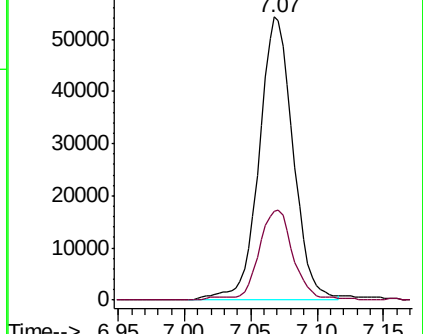
75 100

77 31.3 21.8 40.6



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: 60.562 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

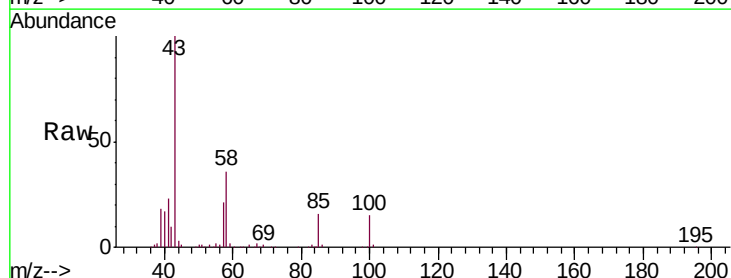
Tgt Ion: 43 Resp: 105221

Ion Ratio Lower Upper

43 100

58 36.0 29.4 44.2

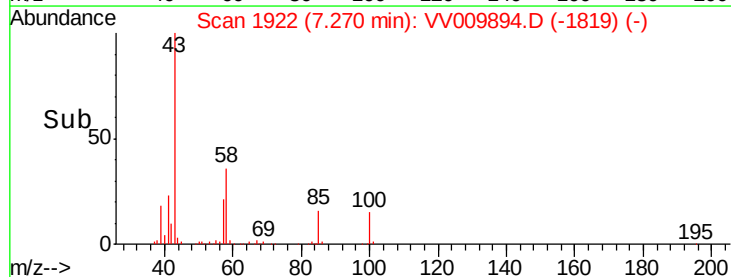
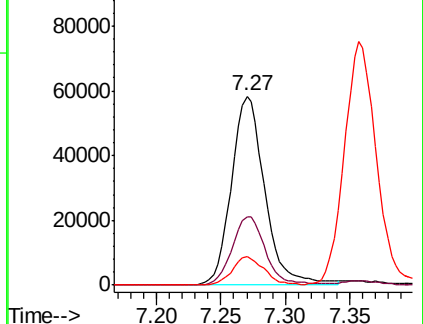
100 14.3 12.2 18.4

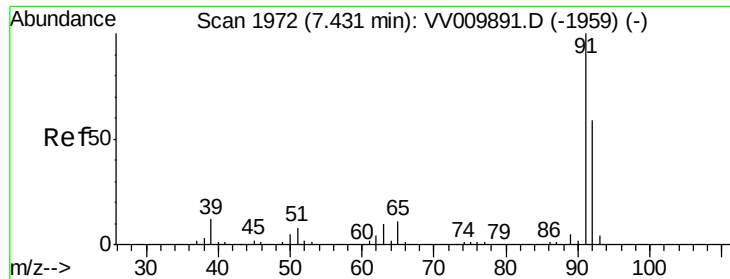


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#44

Toluene

Concen: 26.135 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

Instrument :

MSVOA_V

ClientSampleId :

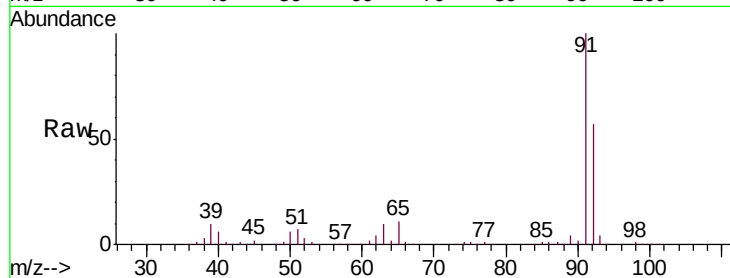
VICV65

Tgt Ion: 91 Resp: 280718

Ion Ratio Lower Upper

91 100

92 57.3 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV009894.D (-1869) (-)

Ion 92.00 (91.70 to 92.70): VV009894.D (-1869) (-)

7.43

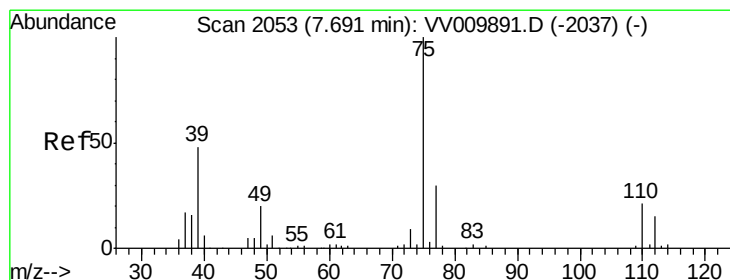
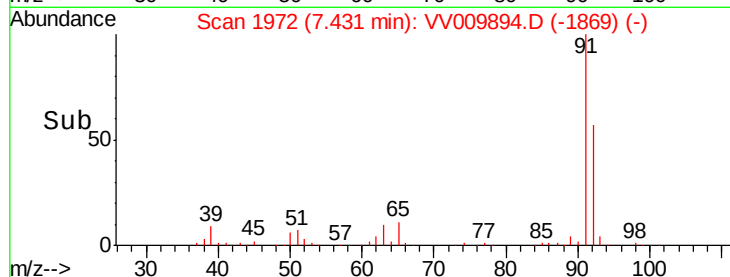
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 28.039 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV009894.D

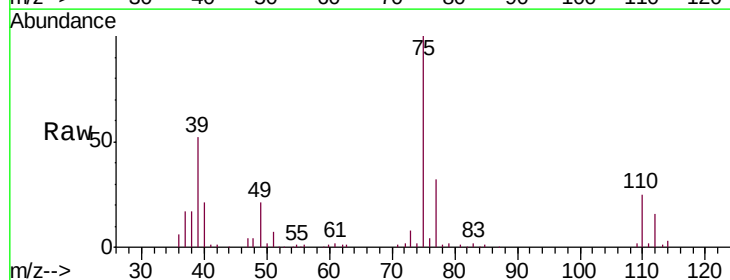
Acq: 26 Mar 2019 14:41

Tgt Ion: 75 Resp: 81472

Ion Ratio Lower Upper

75 100

77 31.6 20.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV009894.D (-1950) (-)

Ion 77.00 (76.70 to 77.70): VV009894.D (-1950) (-)

7.69

50000

40000

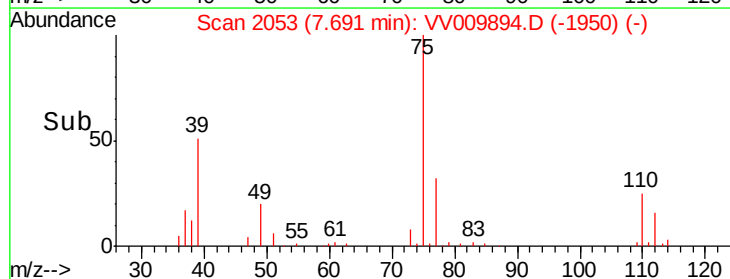
30000

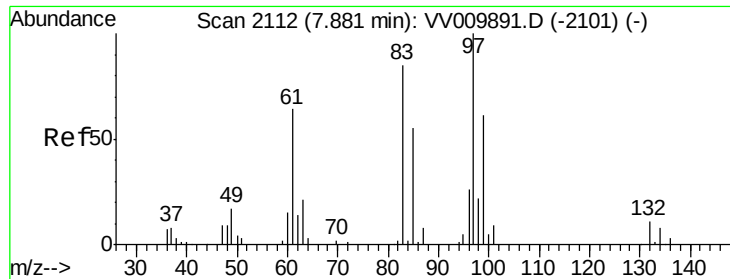
20000

10000

0

Time-->

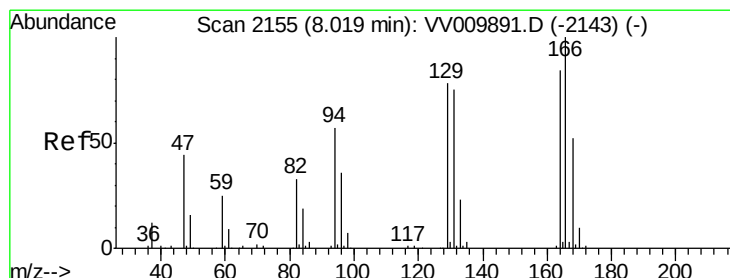
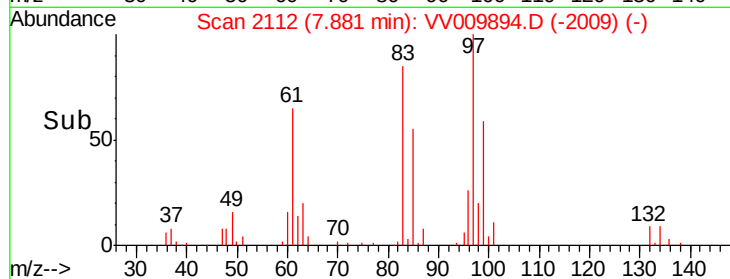
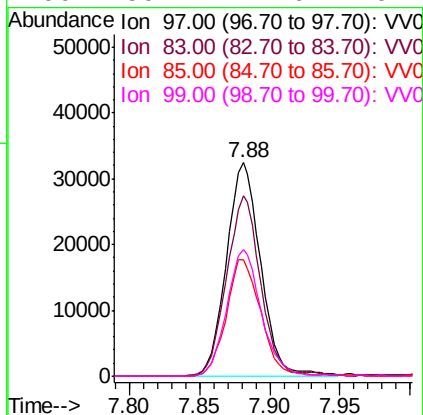
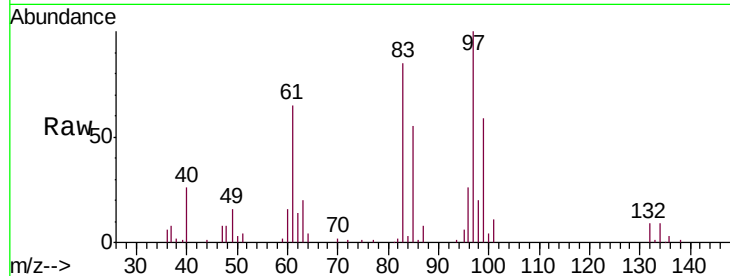




#46
1,1,2-Trichloroethane
Concen: 27.353 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VV009894.D
Acq: 26 Mar 2019 14:41

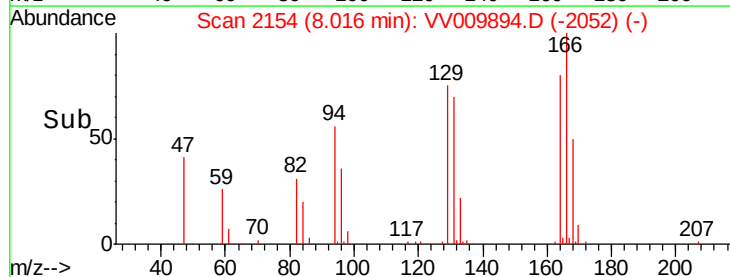
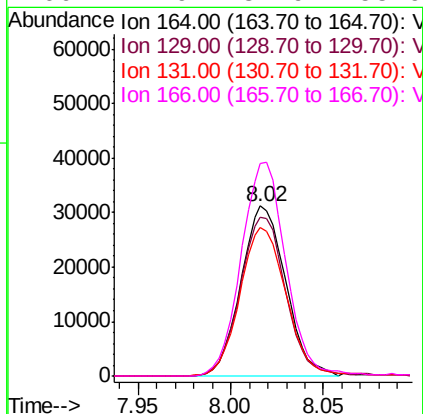
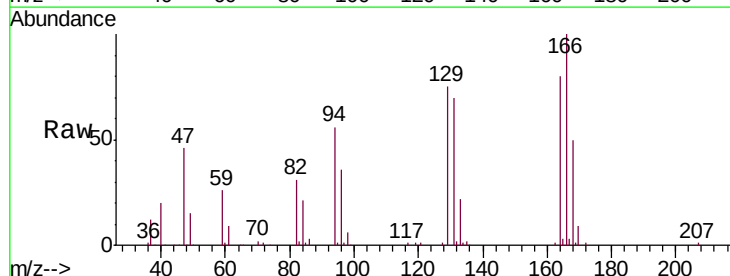
Instrument :
MSVOA_V
ClientSampleId :
VICV65

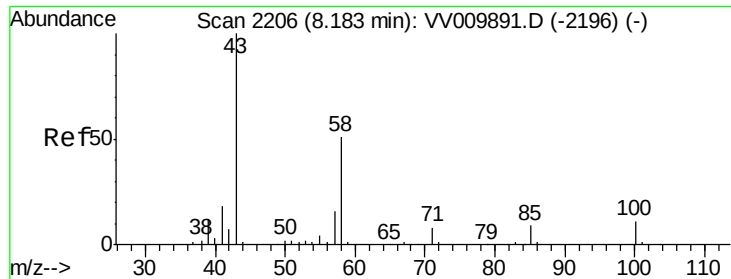
Tgt Ion:	97	Resp:	55078
Ion	Ratio	Lower	Upper
97	100		
83	84.6	59.6	110.8
85	54.7	39.2	72.8
99	59.1	42.6	79.2



#47
Tetrachloroethene
Concen: 25.774 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV009894.D
Acq: 26 Mar 2019 14:41

Tgt Ion:	164	Resp:	52269
Ion	Ratio	Lower	Upper
164	100		
129	93.5	64.9	120.5
131	87.3	62.0	115.2
166	124.9	82.9	153.9

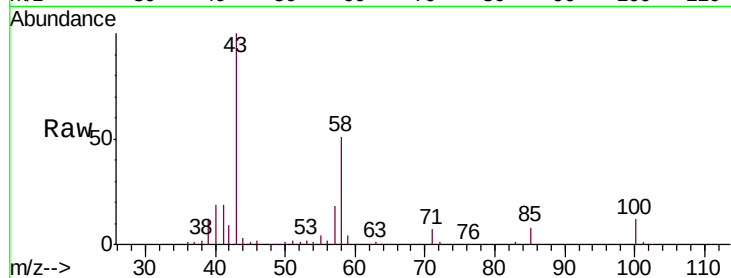




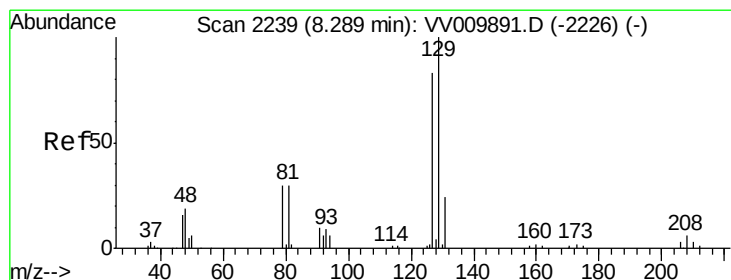
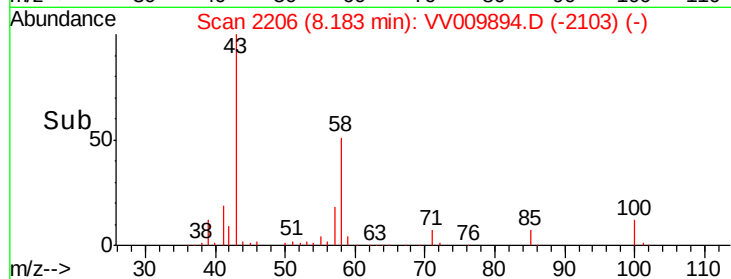
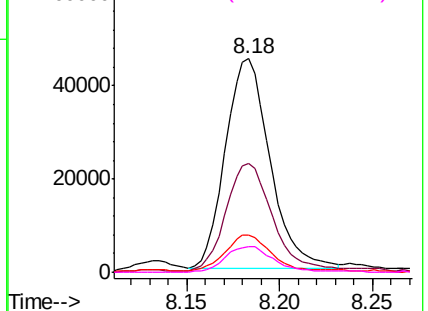
#49
2-Hexanone
Concen: 63.913 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV009894.D
Acq: 26 Mar 2019 14:41

Instrument :
MSVOA_V
ClientSampleId :
VICV65

Tgt Ion: 43 Resp: 75049
Ion Ratio Lower Upper
43 100
58 53.6 42.0 63.0
57 17.4 12.9 19.3
100 13.4 9.1 13.7

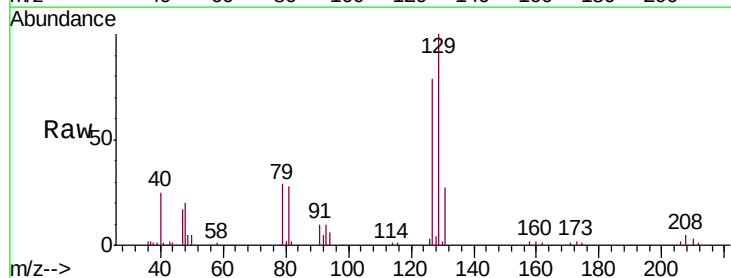


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

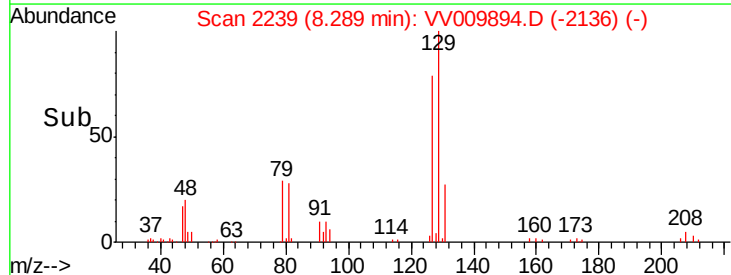
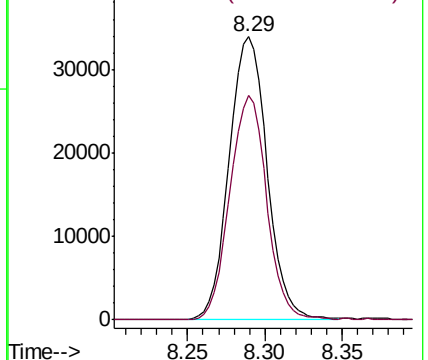


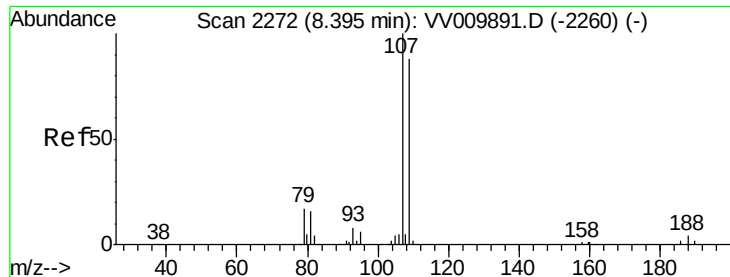
#50
Dibromochloromethane
Concen: 27.766 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009894.D
Acq: 26 Mar 2019 14:41

Tgt Ion: 129 Resp: 57973
Ion Ratio Lower Upper
129 100
127 79.1 57.9 107.5



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





#51

1,2-Dibromoethane

Concen: 27.452 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

Instrument :

MSVOA_V

ClientSampleId :

VICV65

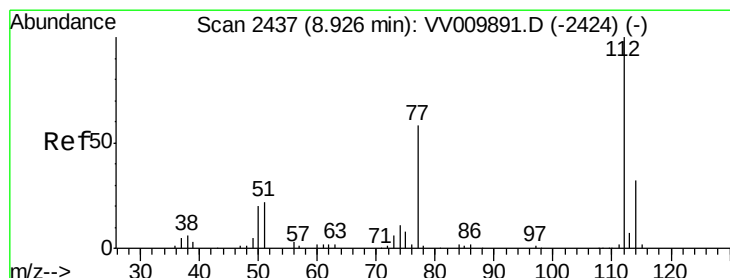
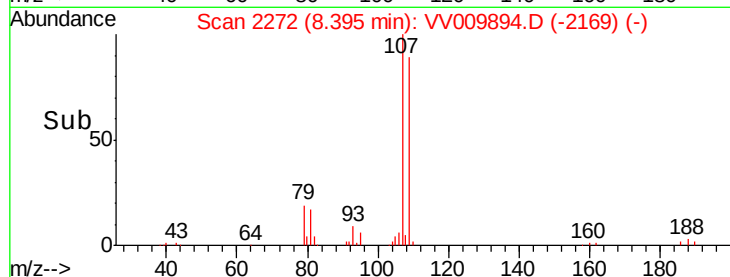
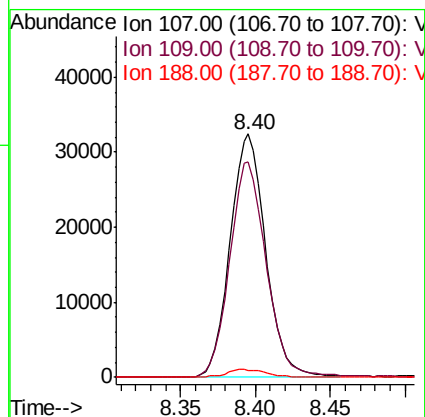
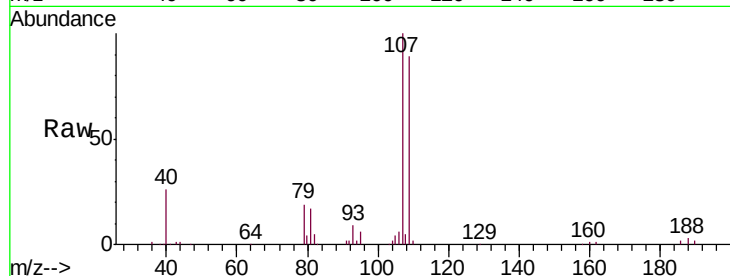
Tgt Ion:107 Resp: 53672

Ion Ratio Lower Upper

107 100

109 88.8 61.8 114.8

188 2.9 3.5 5.3#



#52

Chlorobenzene

Concen: 26.280 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

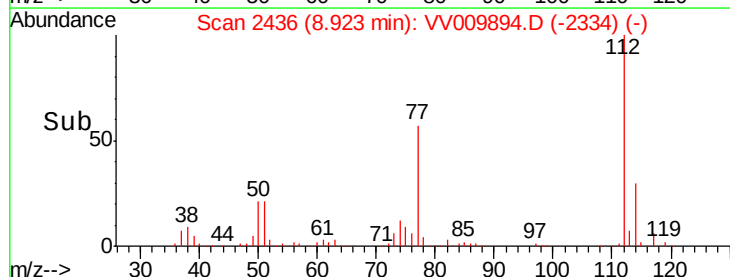
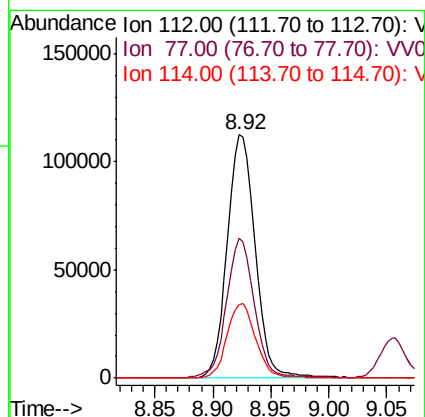
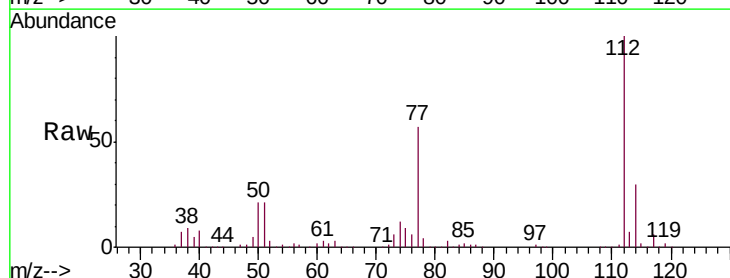
Tgt Ion:112 Resp: 187914

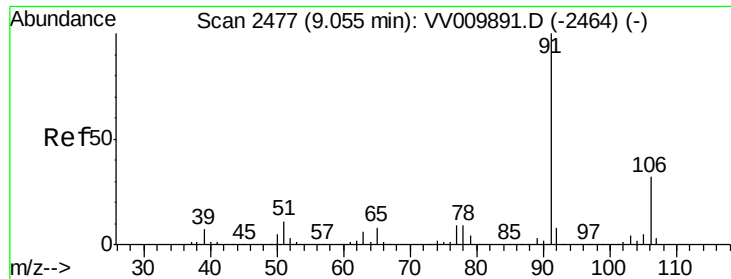
Ion Ratio Lower Upper

112 100

77 57.3 46.8 70.2

114 30.3 22.3 41.5





#53

Ethylbenzene

Concen: 26.570 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

Instrument :

MSVOA_V

ClientSampled :

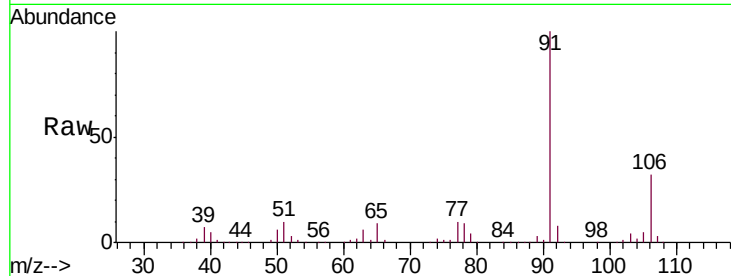
VICV65

Tgt Ion: 91 Resp: 314820

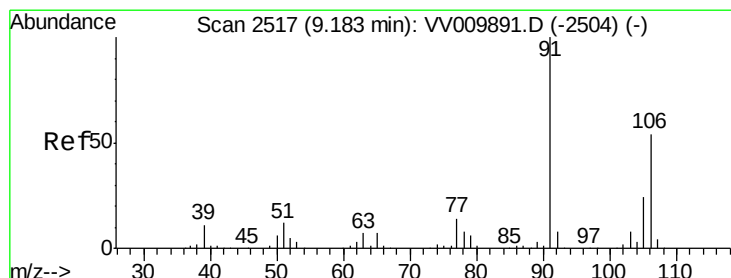
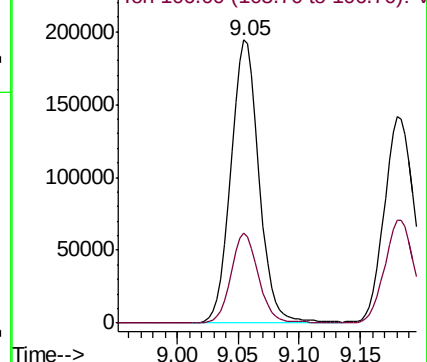
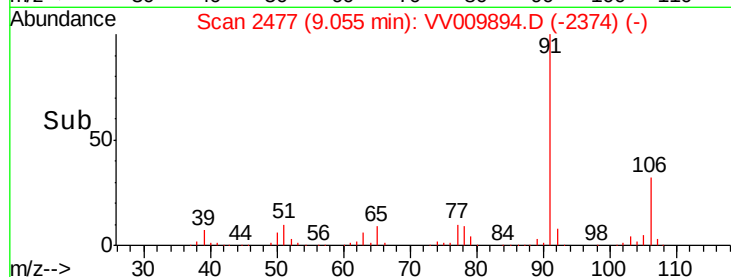
Ion Ratio Lower Upper

91 100

106 31.9 22.3 41.3



Abundance Ion 91.00 (90.70 to 91.70): VV009894.D (-2374) (-)



#54

m,p-Xylene

Concen: 25.959 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009894.D

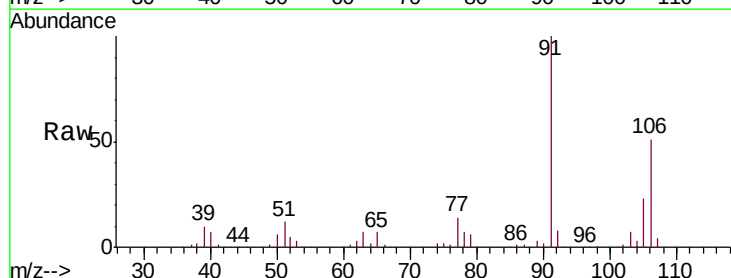
Acq: 26 Mar 2019 14:41

Tgt Ion: 106 Resp: 120805

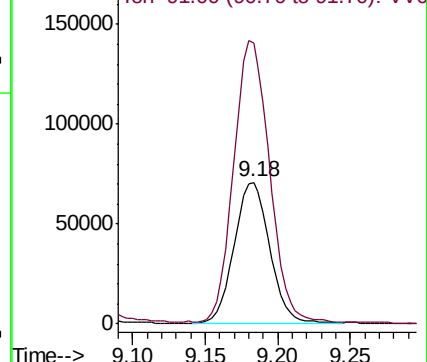
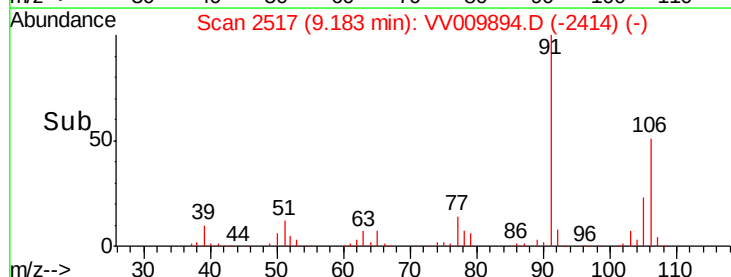
Ion Ratio Lower Upper

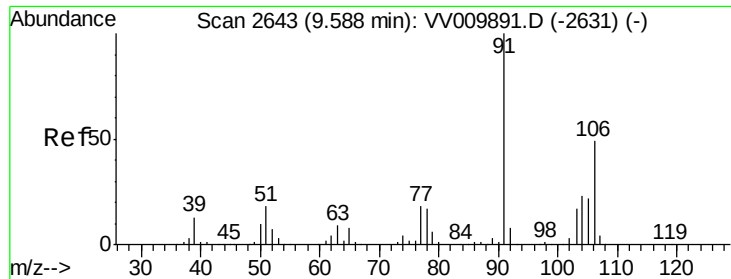
106 100

91 197.7 130.0 241.4



Abundance Ion 106.00 (105.70 to 106.70): VV009894.D (-2414) (-)





#55

o-xylene

Concen: 26.562 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

Instrument :

MSVOA_V

ClientSampleId :

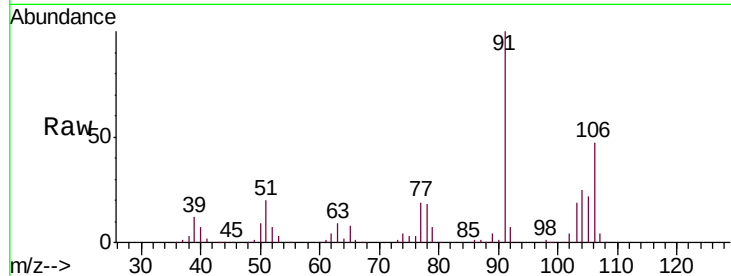
VICV65

Tgt Ion:106 Resp: 119979

Ion Ratio Lower Upper

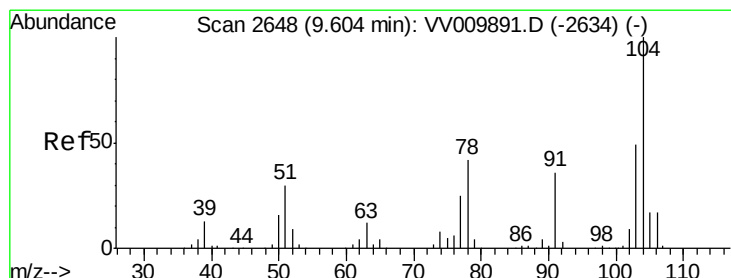
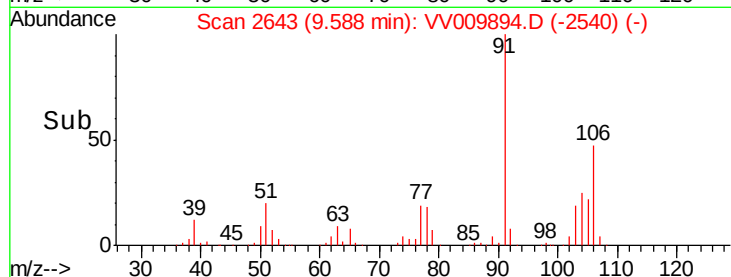
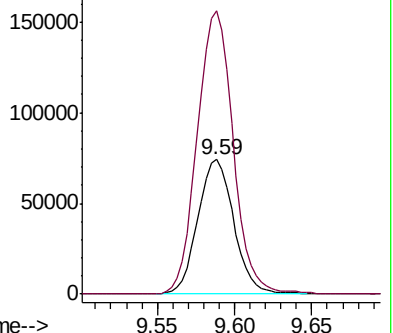
106 100

91 210.7 144.3 268.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 25.993 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV009894.D

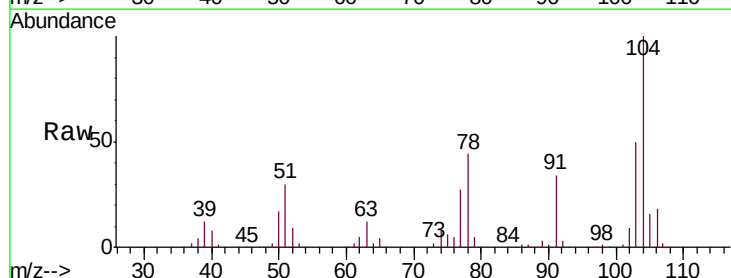
Acq: 26 Mar 2019 14:41

Tgt Ion:104 Resp: 201673

Ion Ratio Lower Upper

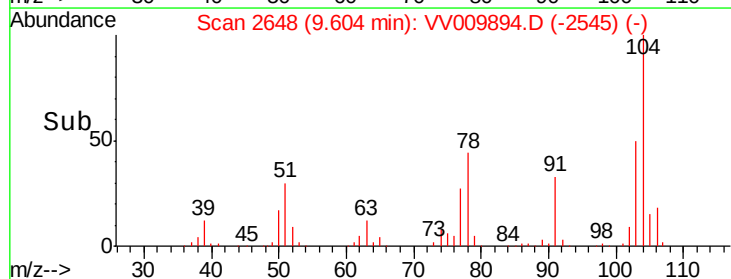
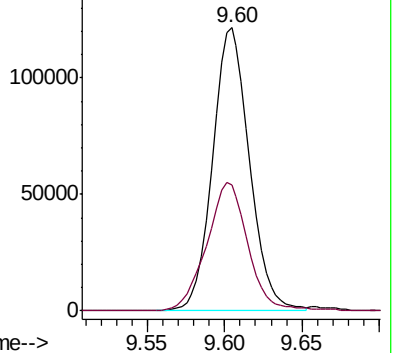
104 100

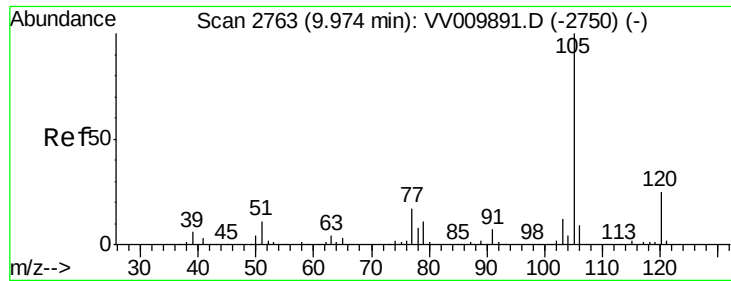
78 44.4 29.3 54.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 27.069 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

Instrument :

MSVOA_V

ClientSampleId :

VICV65

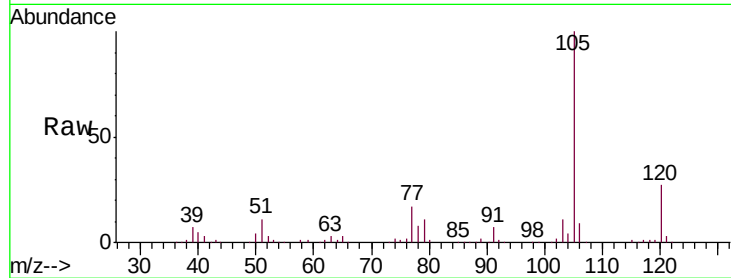
Tgt Ion: 105 Resp: 317206

Ion Ratio Lower Upper

105 100

120 27.0 20.8 31.2

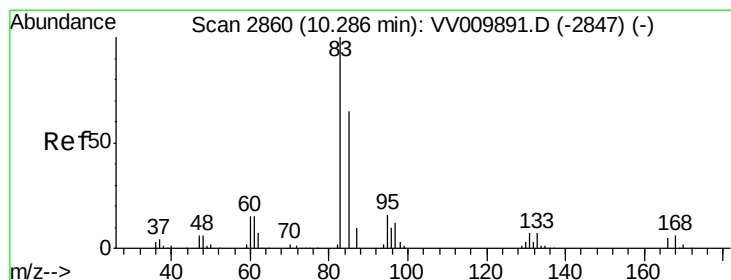
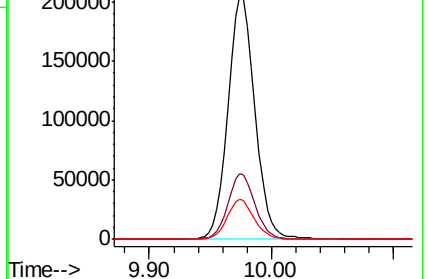
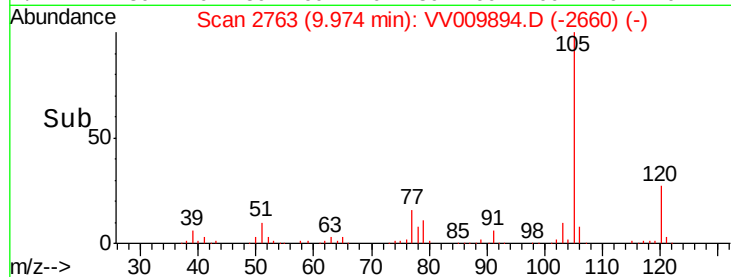
77 16.5 13.0 19.4



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: 27.761 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

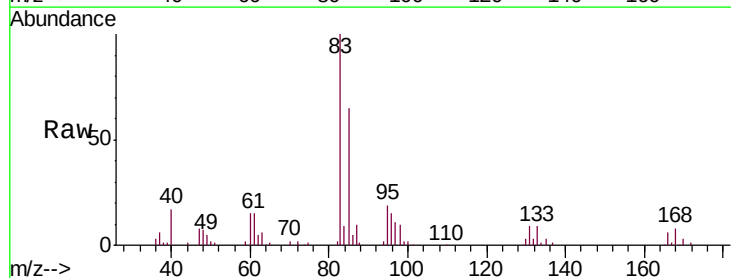
Tgt Ion: 83 Resp: 75347

Ion Ratio Lower Upper

83 100

85 64.9 45.8 85.0

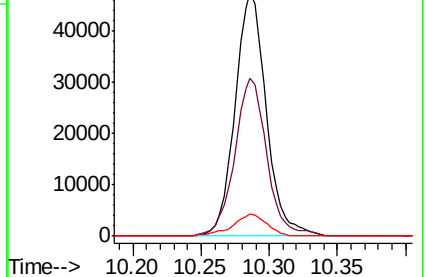
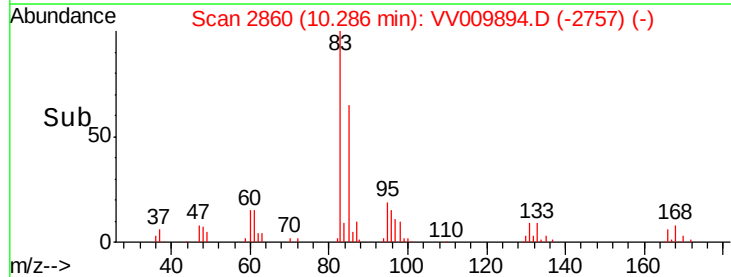
131 9.0 6.2 9.4

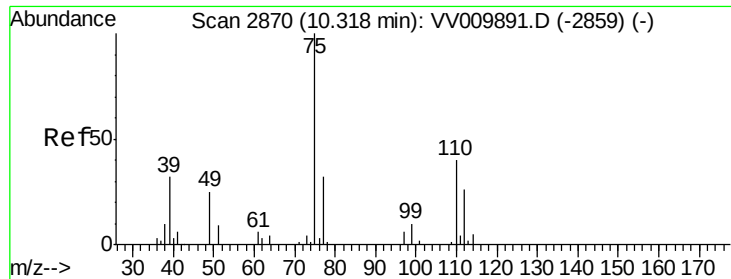


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.645 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

Instrument :

MSVOA_V

ClientSampleId :

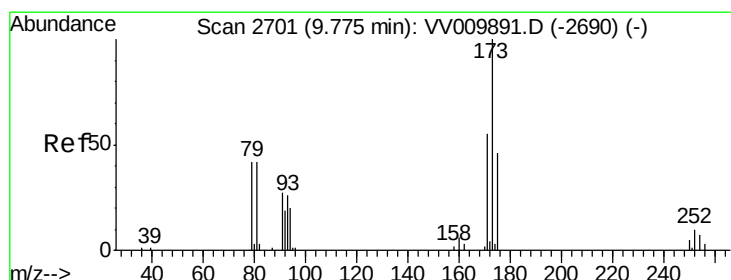
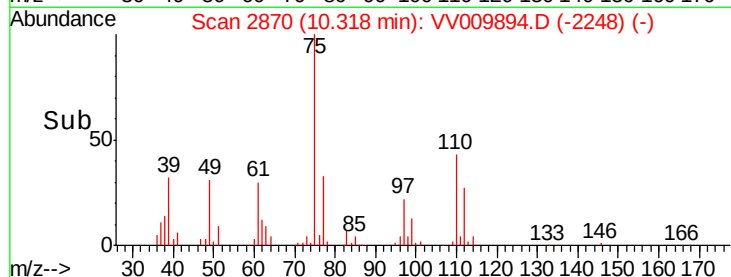
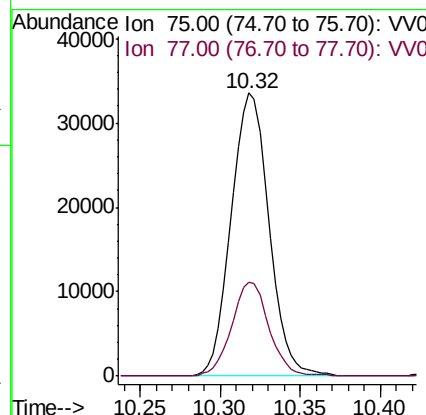
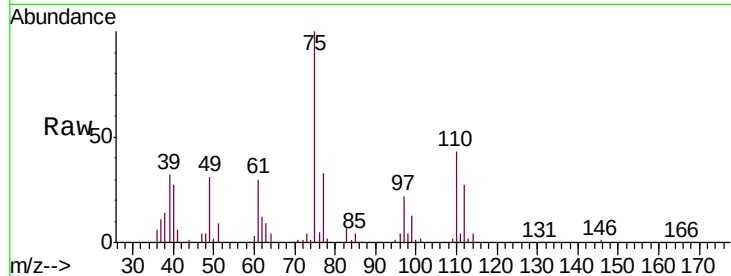
VICV65

Tgt Ion: 75 Resp: 54152

Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.2



#62

Bromoform

Concen: 26.061 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

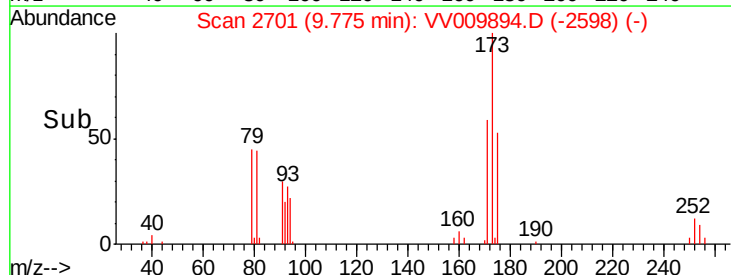
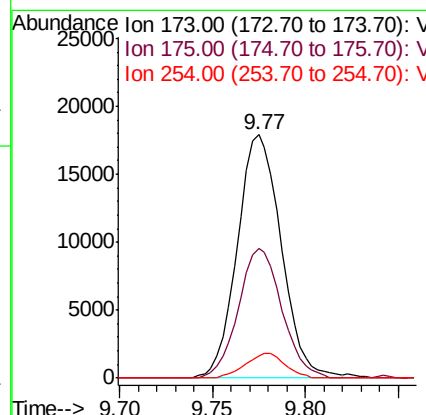
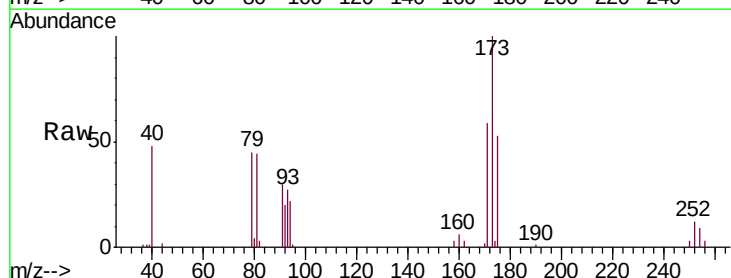
Tgt Ion: 173 Resp: 29378

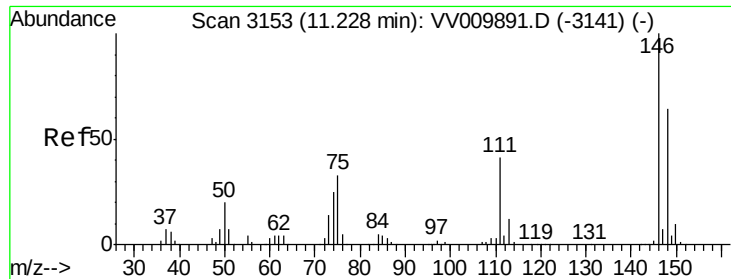
Ion Ratio Lower Upper

173 100

175 52.9 37.8 56.8

254 9.3 6.6 9.8





#63

1,3-Dichlorobenzene

Concen: 26.626 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

Instrument :

MSVOA_V

ClientSampleId :

VICV65

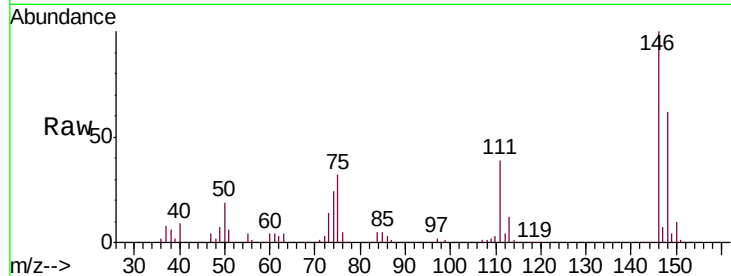
Tgt Ion:146 Resp: 144329

Ion Ratio Lower Upper

146 100

111 38.7 28.5 52.9

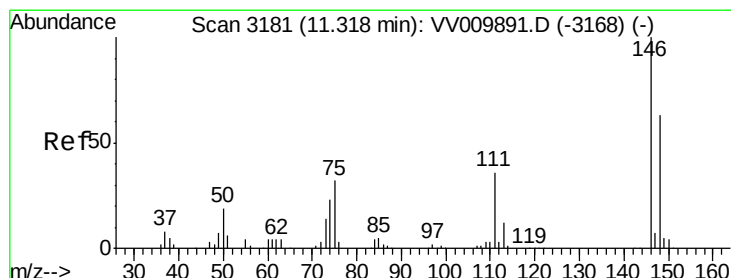
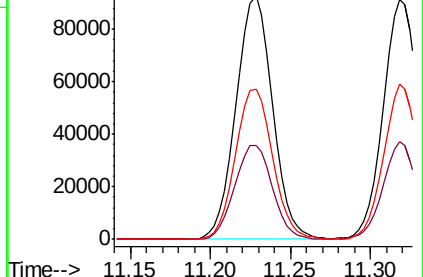
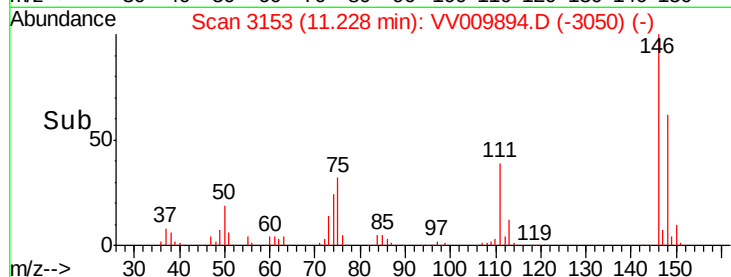
148 61.8 45.0 83.6



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



#64

1,4-Dichlorobenzene

Concen: 24.686 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

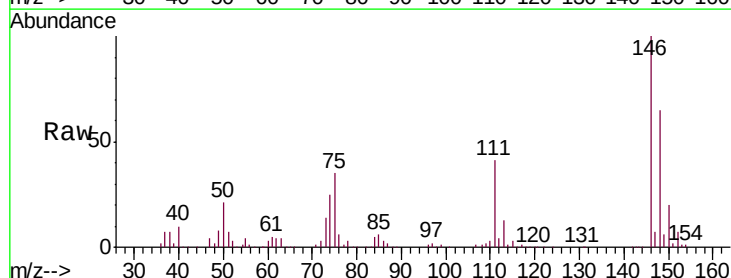
Tgt Ion:146 Resp: 145426

Ion Ratio Lower Upper

146 100

111 40.7 25.4 47.2

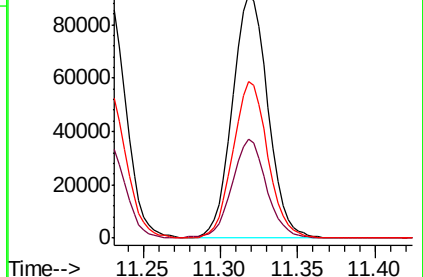
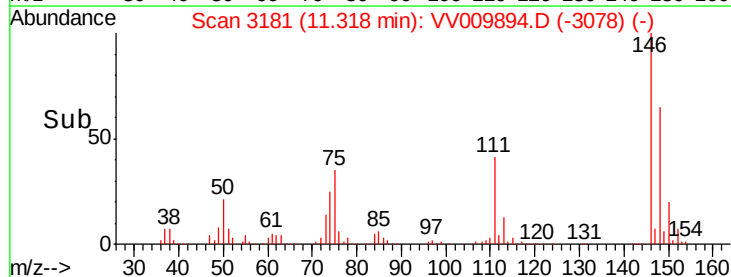
148 64.6 44.1 81.9

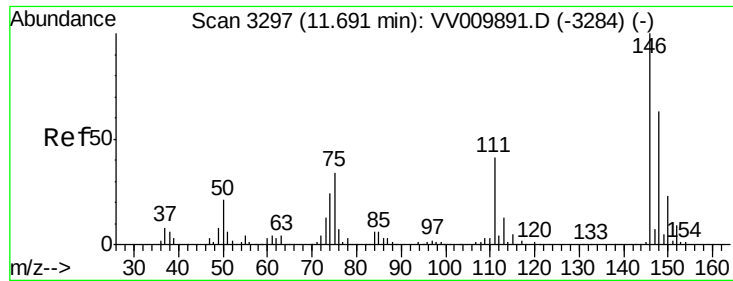


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

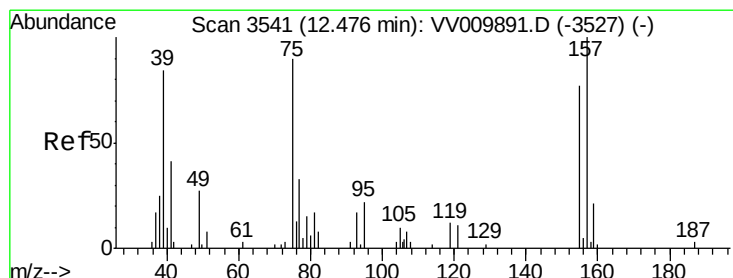
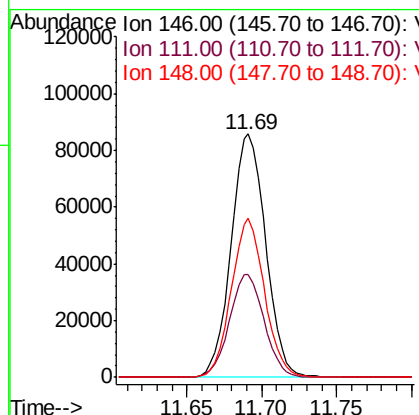
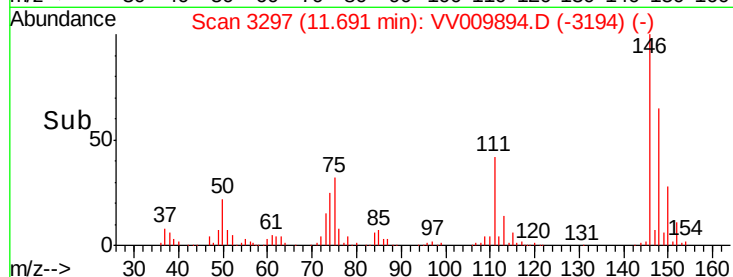
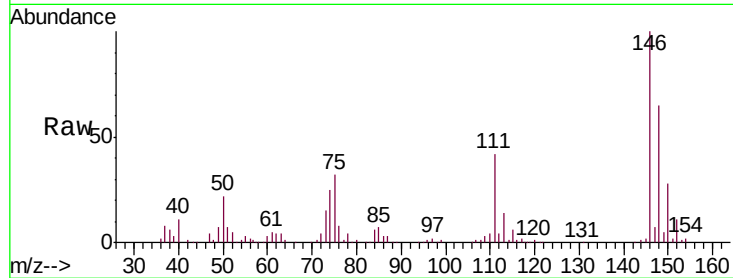




#65
 1,2-Dichlorobenzene
 Concen: 25.694 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009894.D
 Acq: 26 Mar 2019 14:41

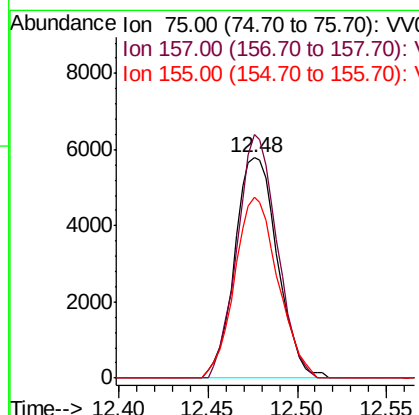
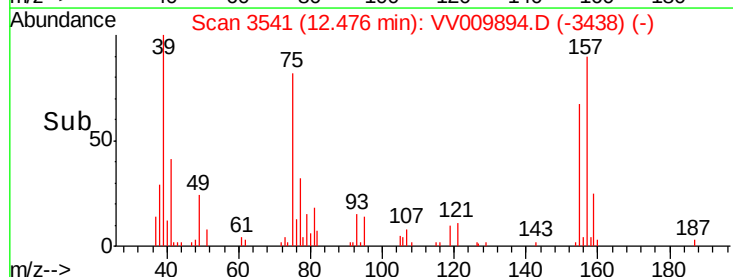
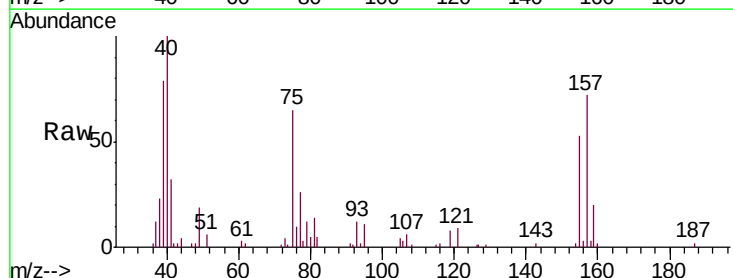
Instrument :
 MSVOA_V
 ClientSampled :
 VICV65

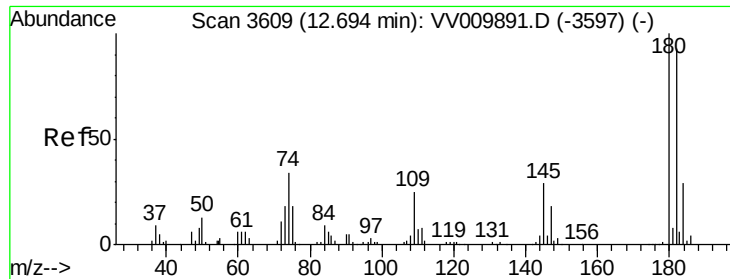
Tgt Ion:146 Resp: 137457
 Ion Ratio Lower Upper
 146 100
 111 42.4 32.7 49.1
 148 65.3 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.954 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV009894.D
 Acq: 26 Mar 2019 14:41

Tgt Ion: 75 Resp: 9681
 Ion Ratio Lower Upper
 75 100
 157 110.4 89.2 133.8
 155 82.0 68.6 102.8

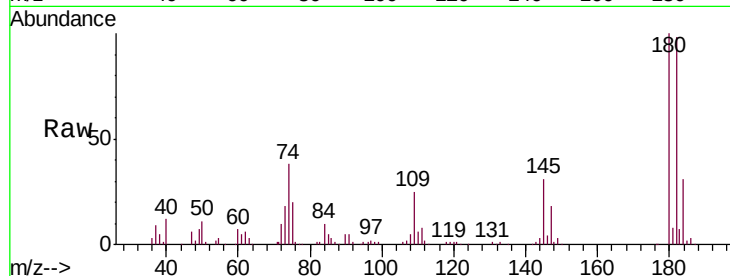




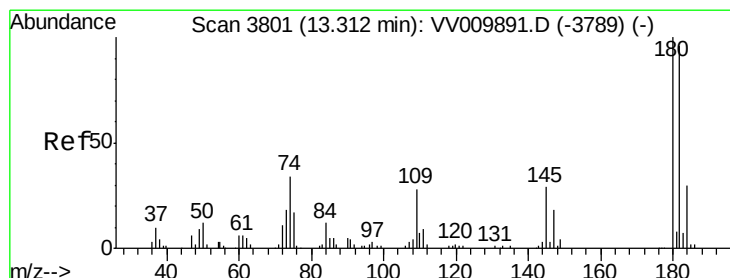
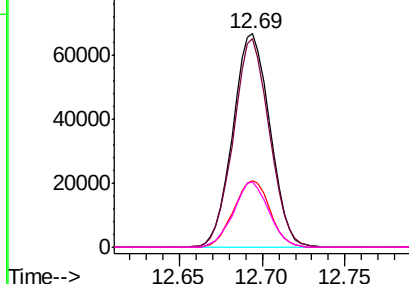
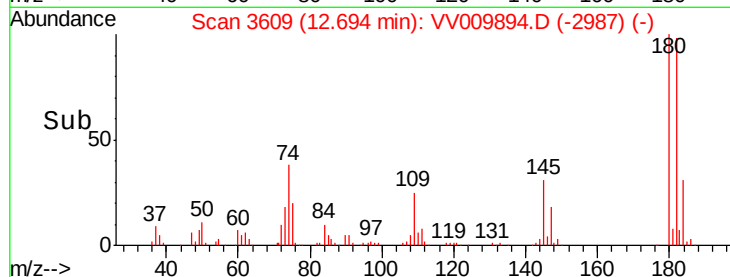
#67
 1,3,5-Trichlorobenzene
 Concen: 27.019 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009894.D
 Acq: 26 Mar 2019 14:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

Tgt Ion:180 Resp: 104013
 Ion Ratio Lower Upper
 180 100
 182 94.7 78.4 117.6
 184 30.5 24.3 36.5
 145 29.3 24.9 37.3

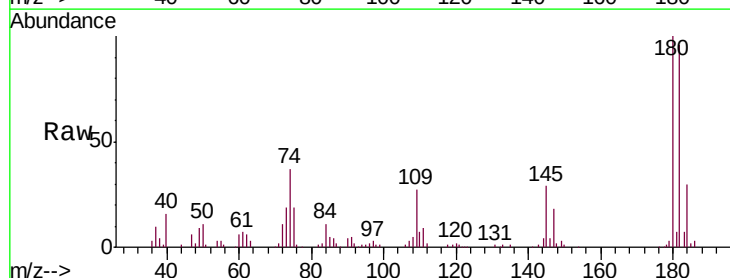


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

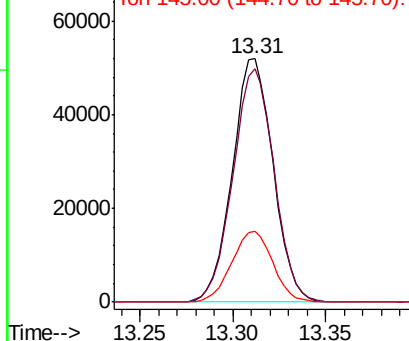
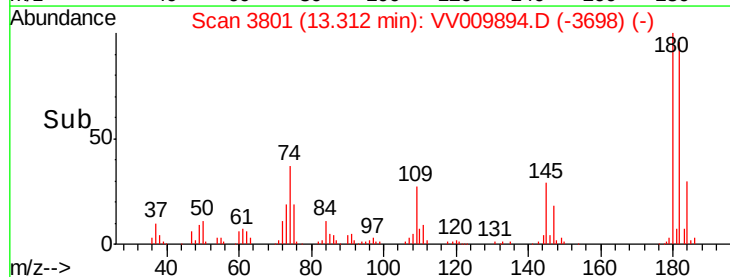


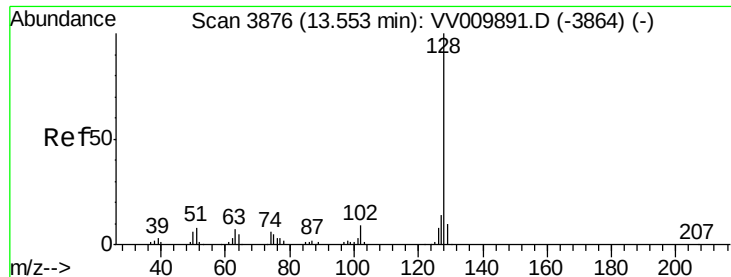
#68
 1,2,4-trichlorobenzene
 Concen: 27.955 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009894.D
 Acq: 26 Mar 2019 14:41

Tgt Ion:180 Resp: 79385
 Ion Ratio Lower Upper
 180 100
 182 96.5 75.5 113.3
 145 29.3 23.2 34.8



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: 29.892 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

Instrument :

MSVOA_V

ClientSampleId :

VICV65

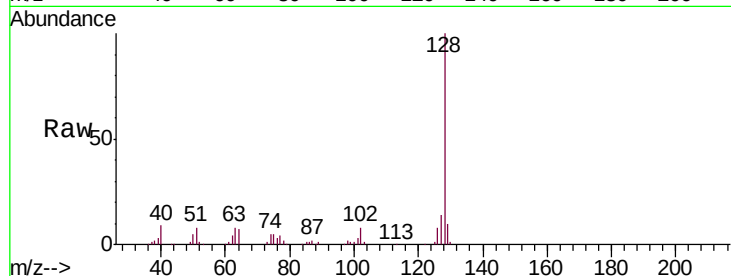
Tgt Ion:128 Resp: 141103

Ion Ratio Lower Upper

128 100

129 10.4 8.8 13.2

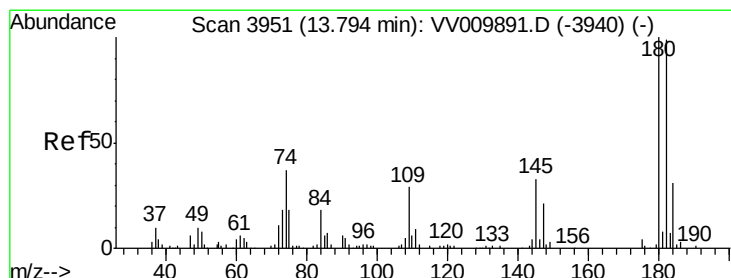
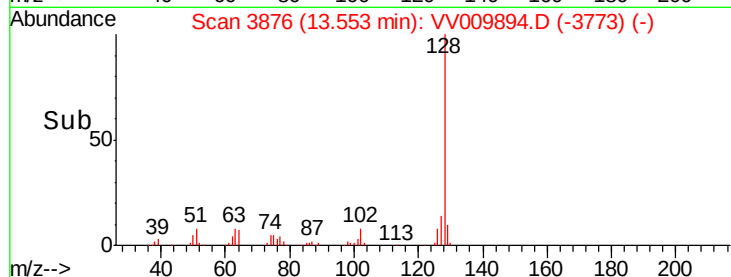
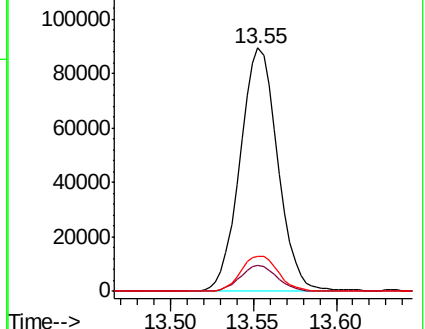
127 14.4 11.4 17.2



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: 27.375 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009894.D

Acq: 26 Mar 2019 14:41

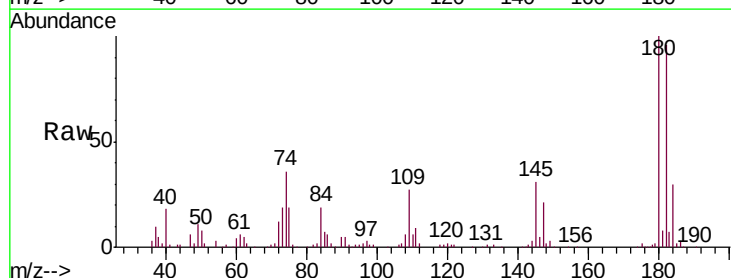
Tgt Ion:180 Resp: 73916

Ion Ratio Lower Upper

180 100

182 95.4 77.1 115.7

145 31.4 26.3 39.5



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

