

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083118\
 Data File : VV007296.D
 Acq On : 31 Aug 2018 12:52
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV77

Quant Time: Sep 01 00:02:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM083118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 31 23:57:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	654519	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	621477	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	301680	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	187939	47.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.04%
7) Chloroethane-d5	1.58	69	123739	49.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.36%
11) 1,1-Dichloroethene-d2	2.13	63	352887	48.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.12%
21) 2-Butanone-d5	3.96	46	297844	93.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.11%
24) Chloroform-d	4.40	84	406890	47.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.36%
26) 1,2-Dichloroethane-d4	5.09	65	241676	47.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.28%
32) Benzene-d6	5.10	84	824741	49.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.76%
36) 1,2-Dichloropropane-d6	6.12	67	265459	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.88%
41) Toluene-d8	7.36	98	771523	51.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.32%
43) trans-1,3-Dichloropropene-	7.67	79	119688	48.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.92%
47) 2-Hexanone-d5	8.14	63	198312	96.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.12%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	364079	48.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.54%
64) 1,2-Dichlorobenzene-d4	11.68	152	286619	47.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.58%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	260971	50.742 ug/L	# 86
3) Chloromethane	1.26	50	275121	48.725 ug/L	100
5) Vinyl chloride	1.32	62	262677	49.516 ug/L	99
6) Bromomethane	1.54	94	137923	53.835 ug/L	98
8) Chloroethane	1.59	64	124652	51.648 ug/L	99
9) Trichlorofluoromethane	1.76	101	336367	49.911 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	213283	50.545 ug/L	99
12) 1,1-Dichloroethene	2.14	96	195741	49.699 ug/L	94
13) Acetone	2.21	43	286738	103.981 ug/L	99
14) Carbon disulfide	2.32	76	578828	48.866 ug/L	99
15) Methyl Acetate	2.47	43	217650	48.872 ug/L	98
16) Methylene chloride	2.54	84	227977	49.394 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	215372	50.345 ug/L	100
18) Methyl tert-butyl Ether	2.81	73	649317	49.566 ug/L	99
19) 1,1-Dichloroethane	3.23	63	431713	49.904 ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	247584	50.271 ug/L	100
22) 2-Butanone	4.04	43	396318	103.187 ug/L	99

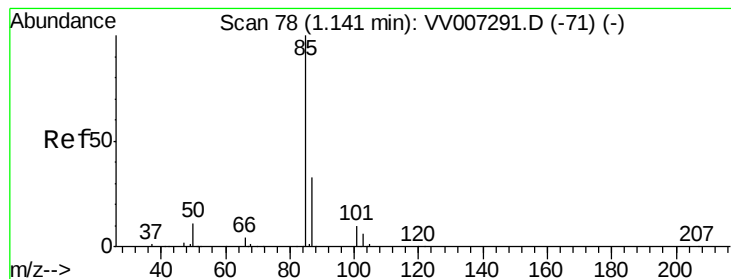
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083118\
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 Quant Title : VOC Analysis
 QLast Update : Fri Aug 31 23:57:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	128160	50.176	ug/L	96
25) Chloroform	4.43	83	429158	50.413	ug/L	98
27) 1,2-Dichloroethane	5.19	62	321629	50.786	ug/L	100
29) Cyclohexane	4.73	56	361945	53.920	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	362226	51.209	ug/L	99
31) Carbon tetrachloride	4.88	117	309766	50.738	ug/L	99
33) Benzene	5.15	78	991955	52.695	ug/L	100
34) Trichloroethene	5.96	95	234700	51.459	ug/L	98
35) Methylcyclohexane	6.18	83	396386	54.972	ug/L	99
37) 1,2-Dichloropropane	6.22	63	260979	51.356	ug/L	99
38) Bromodichloromethane	6.56	83	315246	50.606	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	369362	52.120	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	614303	106.018	ug/L	98
42) Toluene	7.43	91	1012743	54.479	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	347389	52.775	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	241736	51.094	ug/L	99
46) Tetrachloroethene	8.02	164	200155	52.349	ug/L	99
48) 2-Hexanone	8.20	43	518923	110.620	ug/L	99
49) Dibromochloromethane	8.30	129	253592	51.063	ug/L	98
50) 1,2-Dibromoethane	8.40	107	244172	51.690	ug/L	98
51) Chlorobenzene	8.93	112	650155	52.062	ug/L	100
52) Ethylbenzene	9.06	91	1050808	54.656	ug/L	99
53) m,p-Xylene	9.19	106	412023	56.767	ug/L	98
54) o-xylene	9.59	106	391579	55.572	ug/L	99
55) Styrene	9.61	104	709021	57.789	ug/L	99
56) Isopropylbenzene	9.98	105	1017586	56.877	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	392845	51.473	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	306185	50.770	ug/L	100
61) Bromoform	9.78	173	184433	49.611	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	458806	51.588	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	497645	51.620	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	505845	52.083	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	76105	48.300	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	359782	52.300	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	286825	52.202	ug/L	99
69) Naphthalene	13.56	128	832551	54.336	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	321902	53.988	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 50.742 ug/L

RT: 1.14 min Scan# 78

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

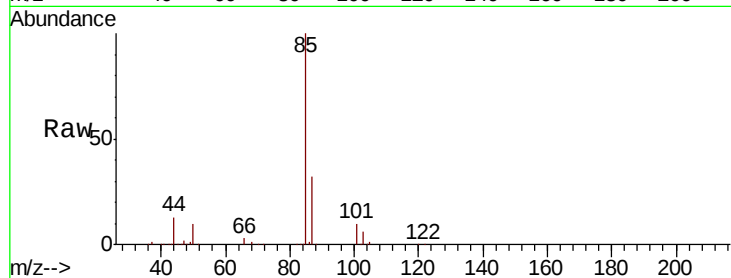
VICV77

Tgt Ion: 85 Resp: 260971

Ion Ratio Lower Upper

85 100

87 32.3 20.3 30.5#



Abundance Ion 85.00 (84.70 to 85.70): VV007296.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV007296.D (-1) (-)

1.14

250000

200000

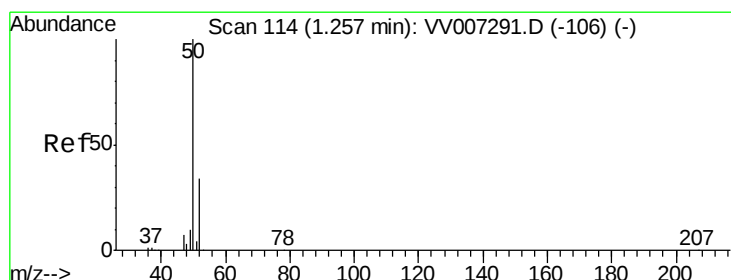
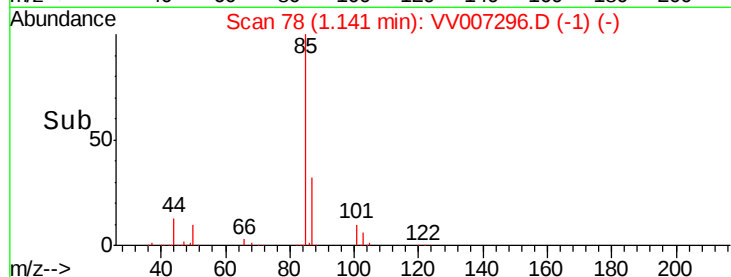
150000

100000

50000

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Time-->



#3

Chloromethane

Concen: 48.725 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.00 min

Lab File: VV007296.D

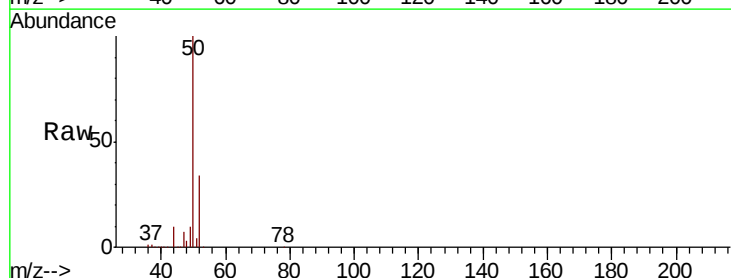
Acq: 31 Aug 2018 12:52

Tgt Ion: 50 Resp: 275121

Ion Ratio Lower Upper

50 100

52 33.7 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VV007296.D (-21) (-)

Ion 52.00 (51.70 to 52.70): VV007296.D (-21) (-)

1.26

250000

200000

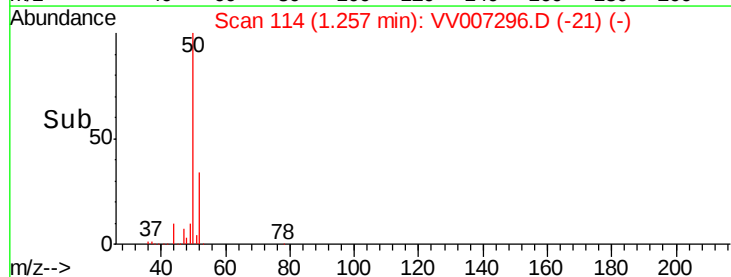
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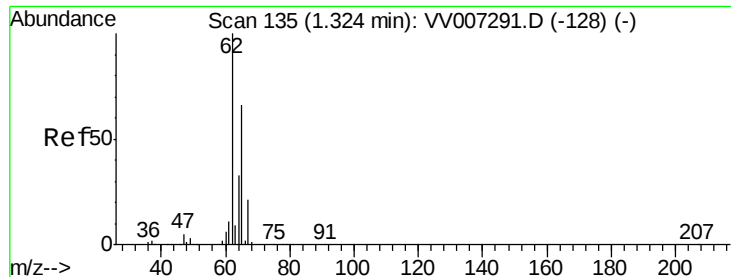
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50000

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Time-->





#5

Vinyl chloride

Concen: 49.516 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

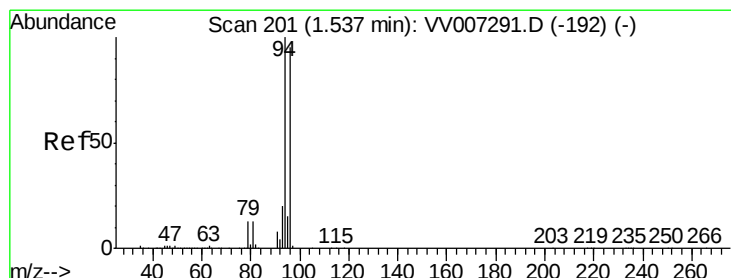
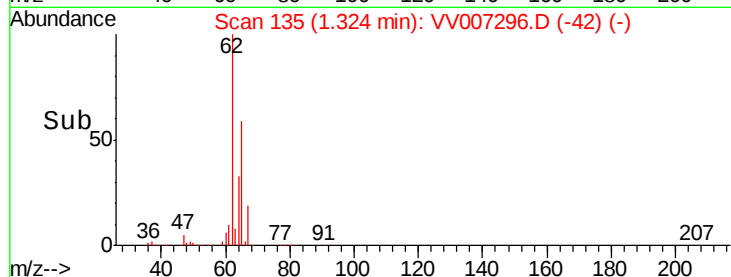
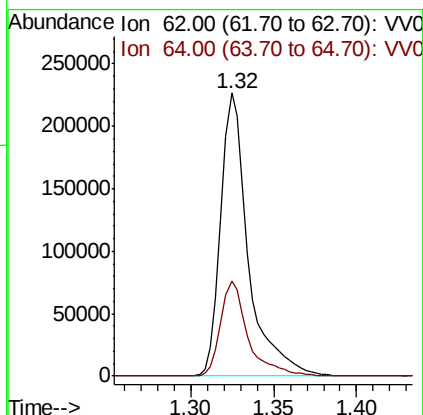
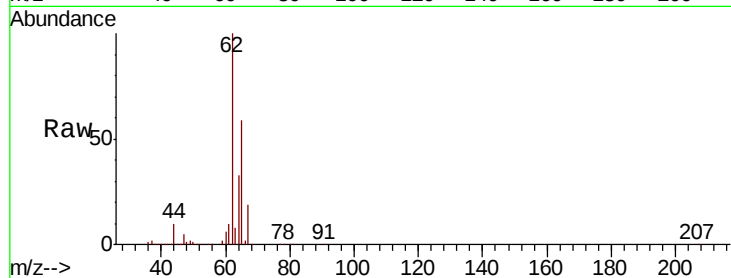
VICV77

Tgt Ion: 62 Resp: 262677

Ion Ratio Lower Upper

62 100

64 33.5 23.2 43.0



#6

Bromomethane

Concen: 53.835 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV007296.D

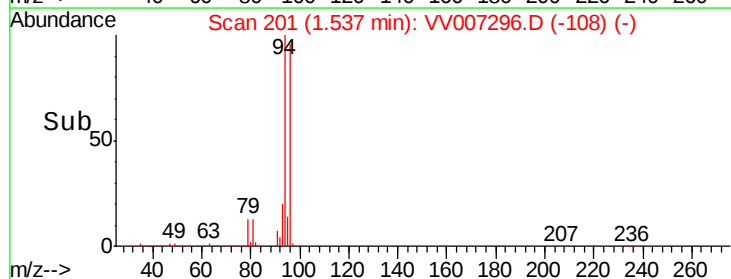
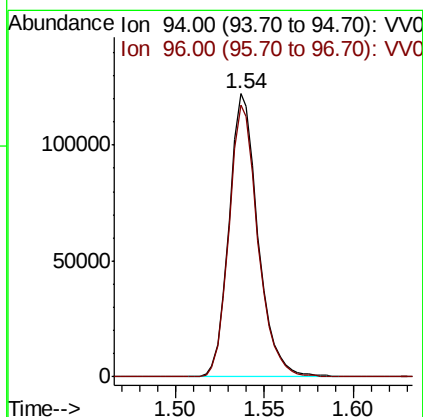
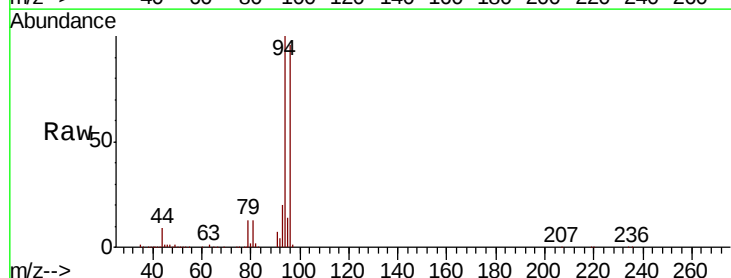
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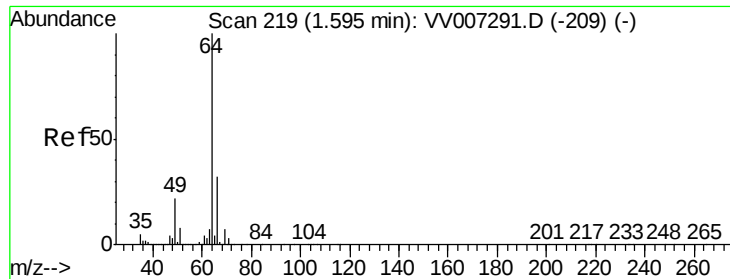
Tgt Ion: 94 Resp: 137923

Ion Ratio Lower Upper

94 100

96 96.2 66.1 122.7

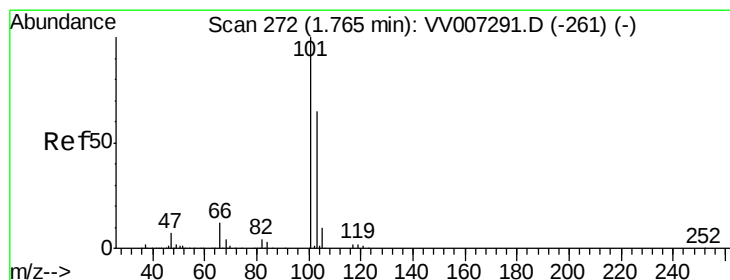
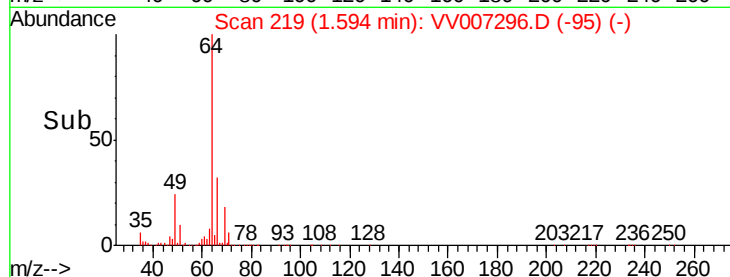
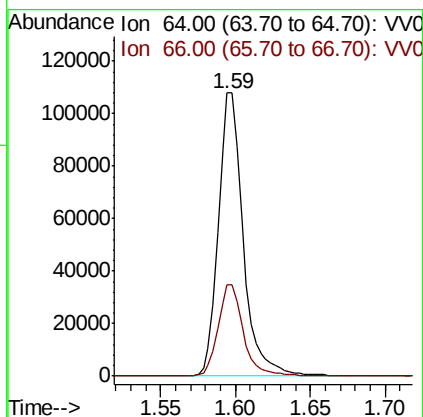
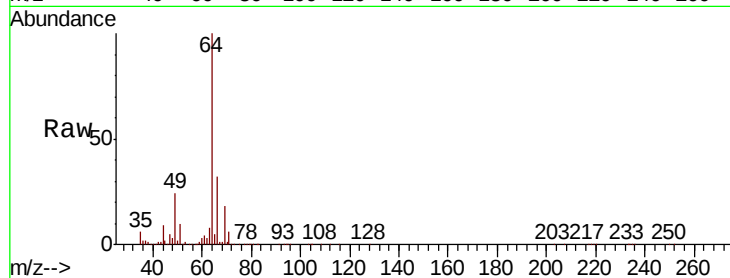




#8
Chloroethane
Concen: 51.648 ug/L
RT: 1.59 min Scan# 219
Delta R.T. -0.00 min
Lab File: VV007296.D
Acq: 31 Aug 2018 12:52

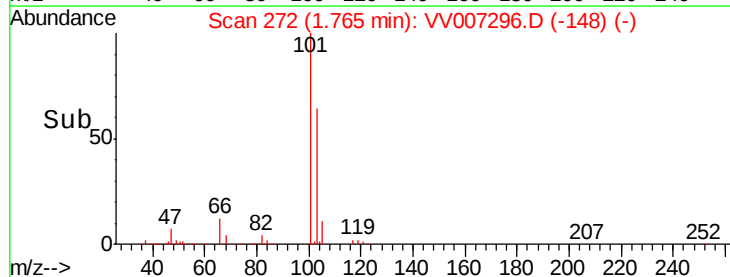
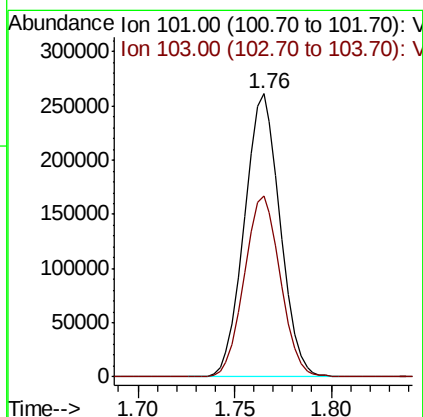
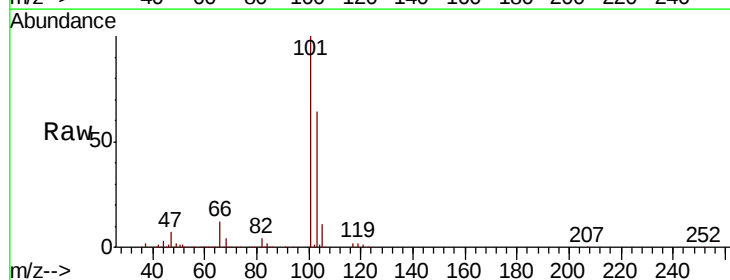
Instrument :
MSVOA_V
ClientSampleId :
VICV77

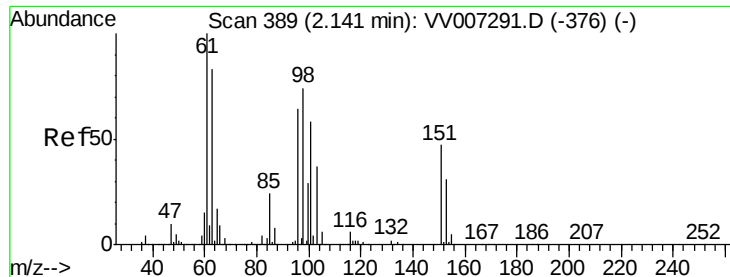
Tgt Ion: 64 Resp: 124652
Ion Ratio Lower Upper
64 100
66 32.4 22.3 41.3



#9
Trichlorofluoromethane
Concen: 49.911 ug/L
RT: 1.76 min Scan# 272
Delta R.T. -0.00 min
Lab File: VV007296.D
Acq: 31 Aug 2018 12:52

Tgt Ion: 101 Resp: 336367
Ion Ratio Lower Upper
101 100
103 64.7 52.3 78.5





#10

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

Concen: 50.545 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

VICV77

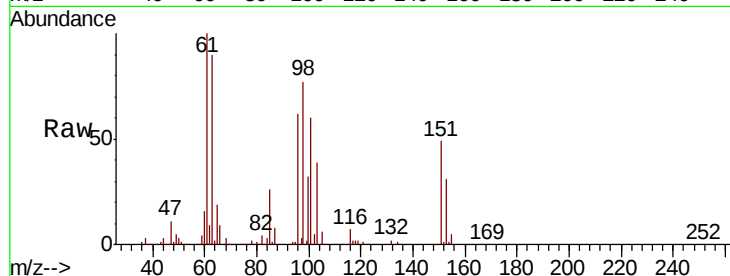
Tgt Ion: 101 Resp: 213283

Ion Ratio Lower Upper

101 100

85 41.6 32.8 49.2

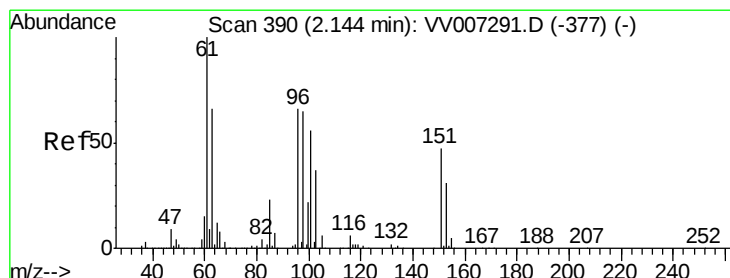
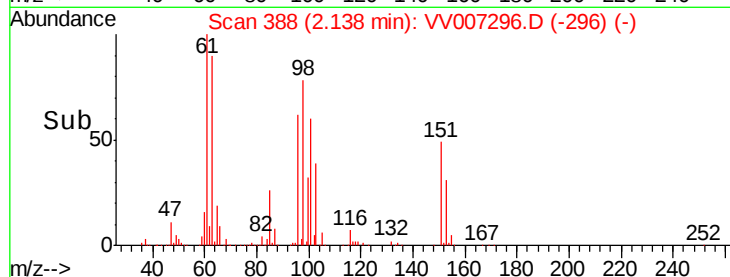
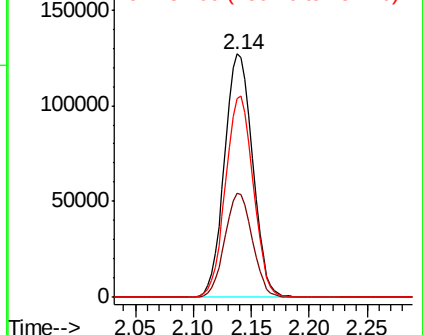
151 81.4 64.8 97.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.699 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

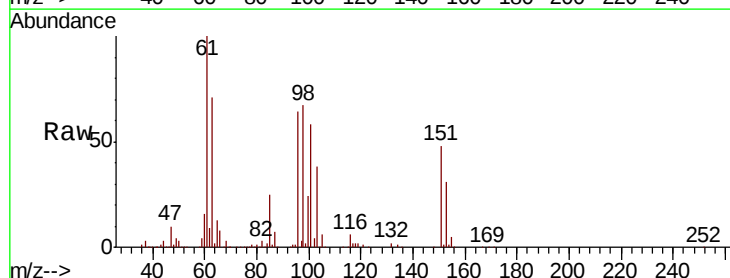
Tgt Ion: 96 Resp: 195741

Ion Ratio Lower Upper

96 100

61 156.7 106.3 197.5

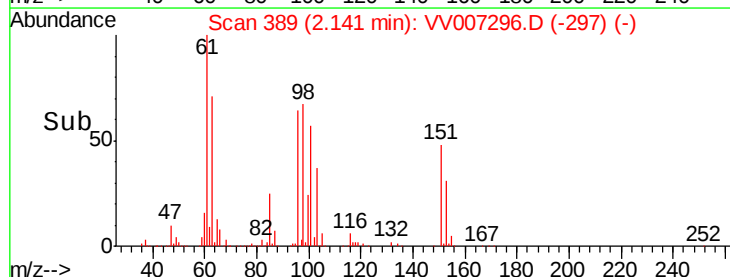
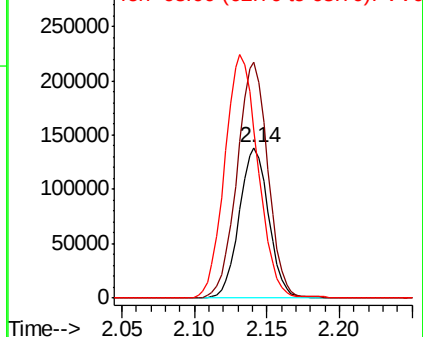
63 111.4 71.0 131.8

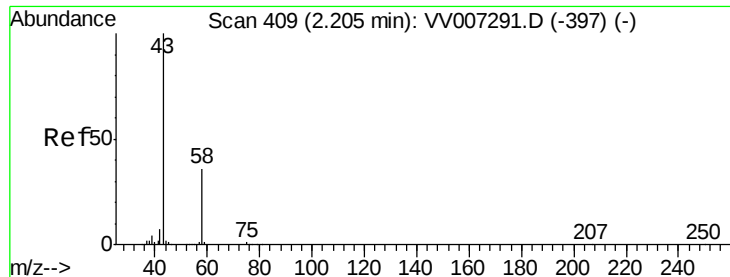


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 103.981 ug/L

RT: 2.21 min Scan# 410

Delta R.T. 0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Instrument :

MSVOA_V

ClientSampled :

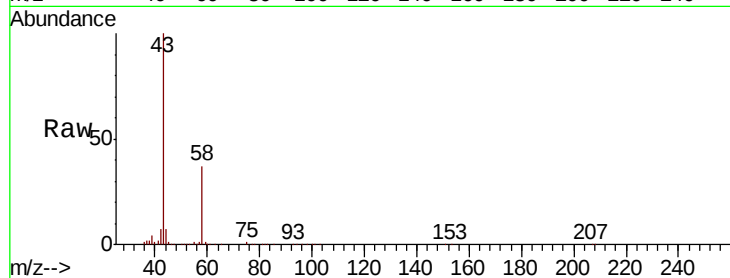
VICV77

Tgt Ion: 43 Resp: 286738

Ion Ratio Lower Upper

43 100

58 36.5 0.0 72.2



Abundance Ion 43.00 (42.70 to 43.70): VV007291.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VV007291.D (-397) (-)

2.21

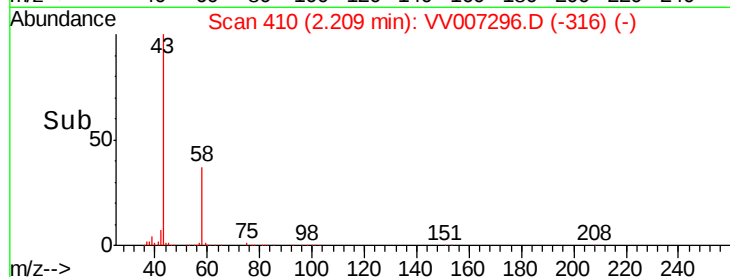
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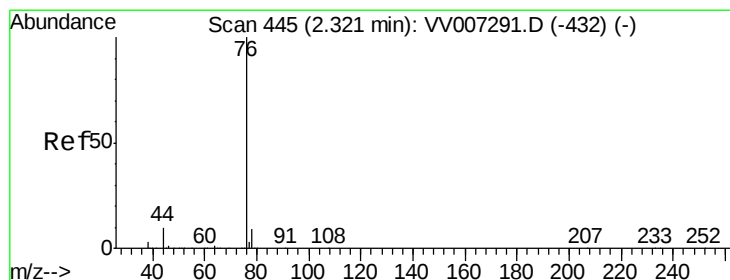
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Time-->



Time-->



#14

Carbon disulfide

Concen: 48.866 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV007296.D

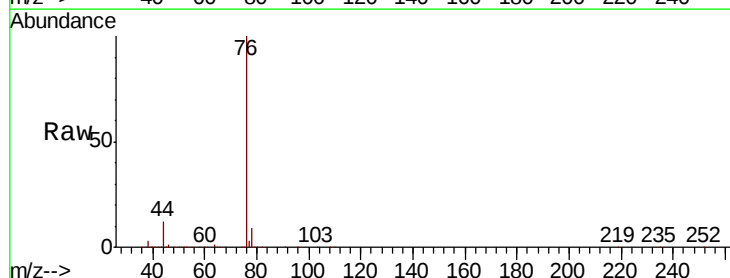
Acq: 31 Aug 2018 12:52

Tgt Ion: 76 Resp: 578828

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV007291.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV007291.D (-432) (-)

2.32

400000

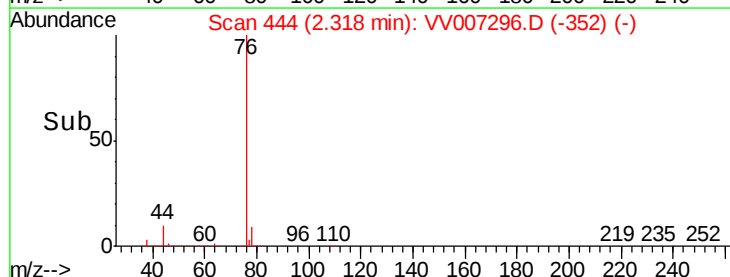
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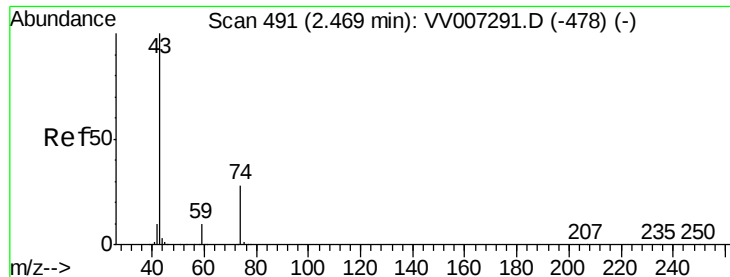
100000

0

Time-->



Time-->



#15

Methyl Acetate

Concen: 48.872 ug/L

RT: 2.47 min Scan# 490

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Instrument :

MSVOA_V

ClientSampled :

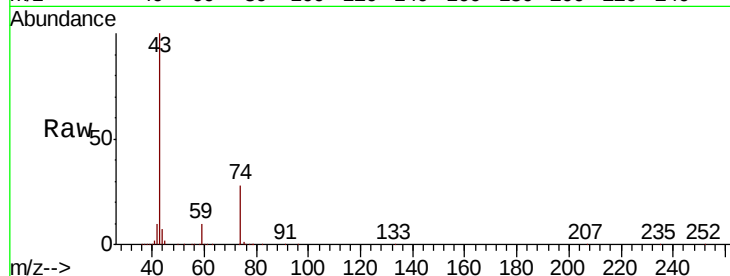
VICV77

Tgt Ion: 43 Resp: 217650

Ion Ratio Lower Upper

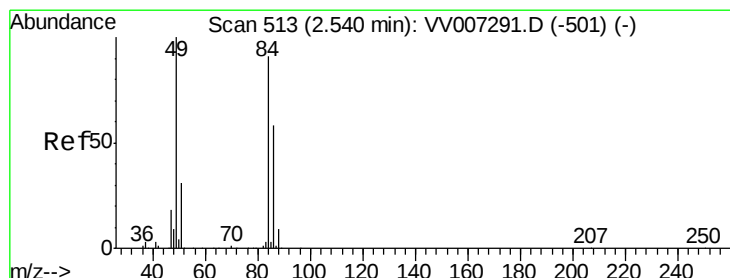
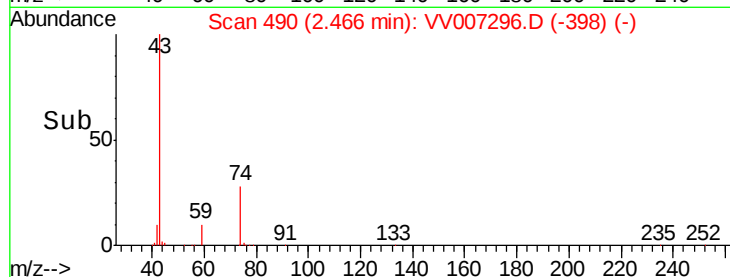
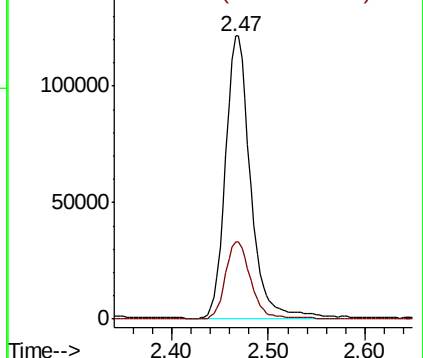
43 100

74 27.7 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 49.394 ug/L

RT: 2.54 min Scan# 513

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

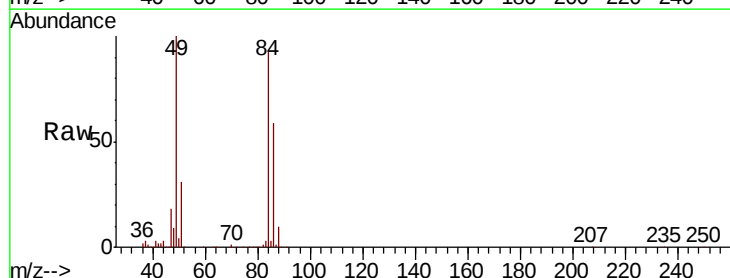
Tgt Ion: 84 Resp: 227977

Ion Ratio Lower Upper

84 100

86 63.7 44.9 83.3

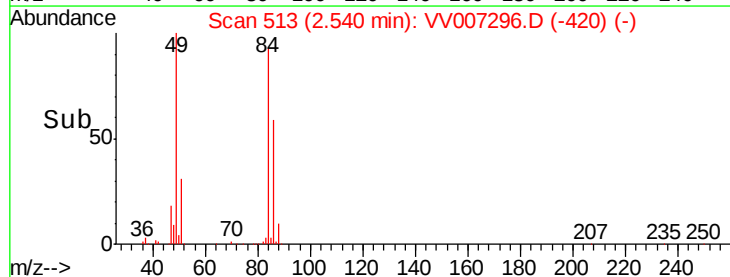
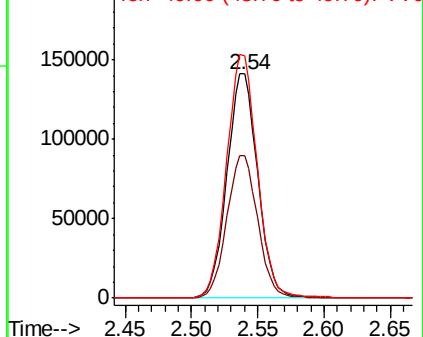
49 108.1 77.0 143.0

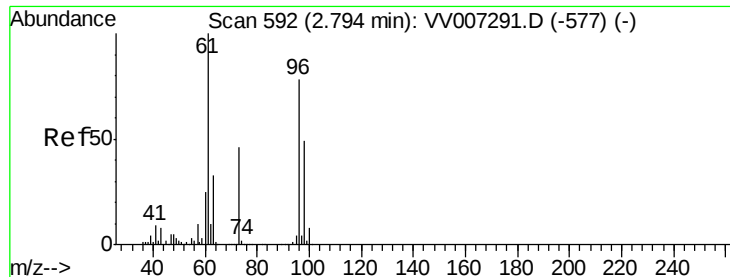


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 50.345 ug/L

RT: 2.79 min Scan# 591

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

VICV77

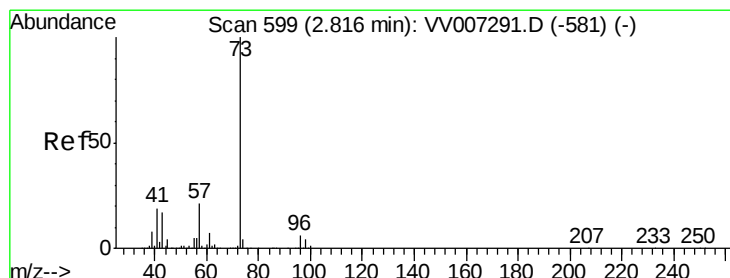
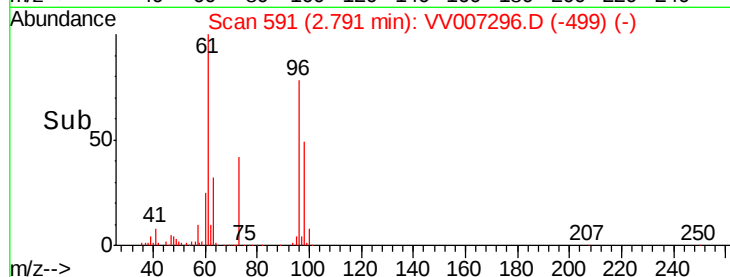
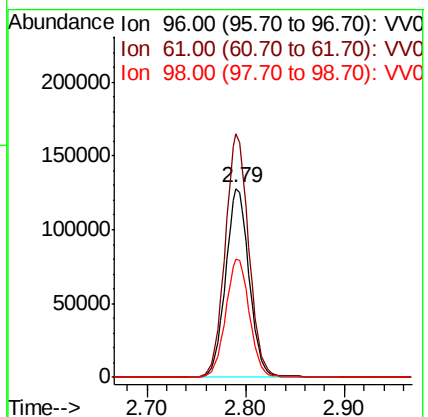
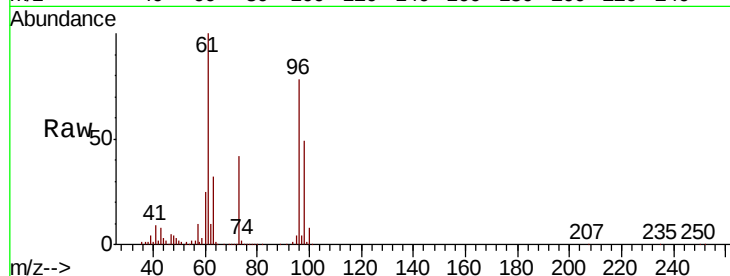
Tgt Ion: 96 Resp: 215372

Ion Ratio Lower Upper

96 100

61 128.9 90.4 167.8

98 62.6 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 49.566 ug/L

RT: 2.81 min Scan# 598

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

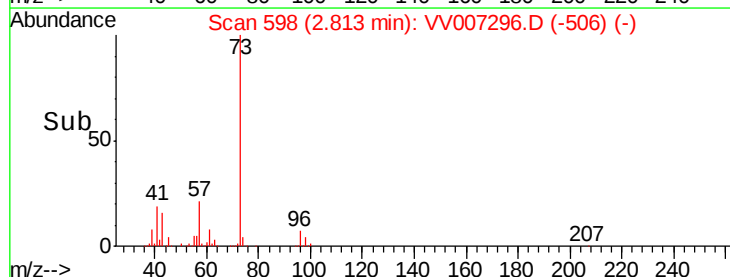
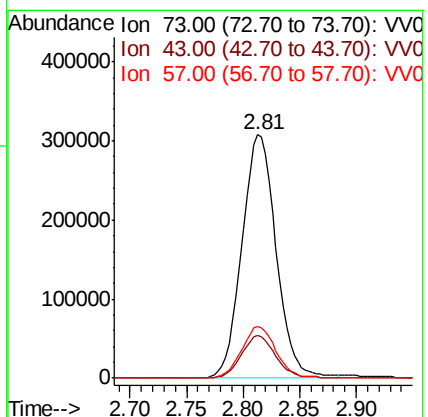
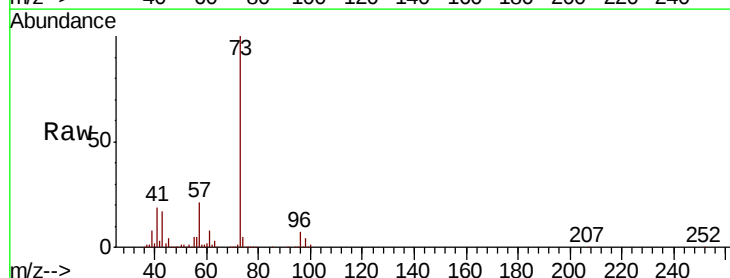
Tgt Ion: 73 Resp: 649317

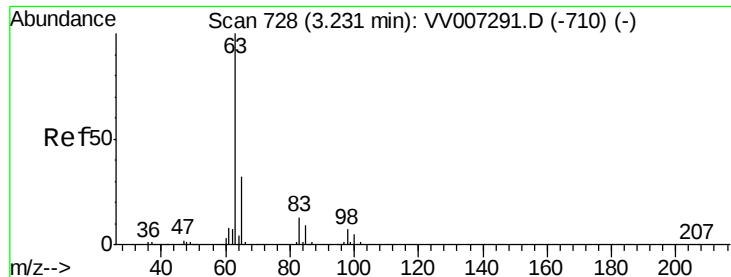
Ion Ratio Lower Upper

73 100

43 17.2 13.4 20.2

57 21.3 16.8 25.2





#19

1,1-Dichloroethane

Concen: 49.904 ug/L

RT: 3.23 min Scan# 727

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Instrument :

MSVOA_V

ClientSampled :

VICV77

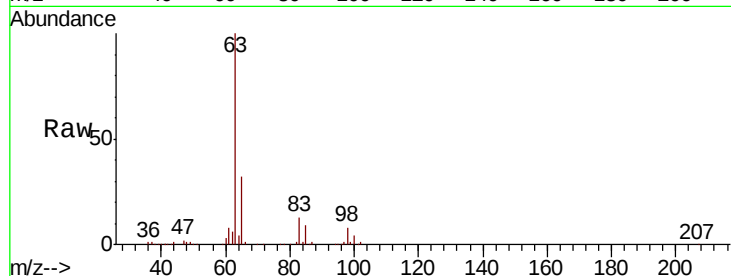
Tgt Ion: 63 Resp: 431713

Ion Ratio Lower Upper

63 100

65 31.5 22.0 41.0

83 12.5 8.8 16.4

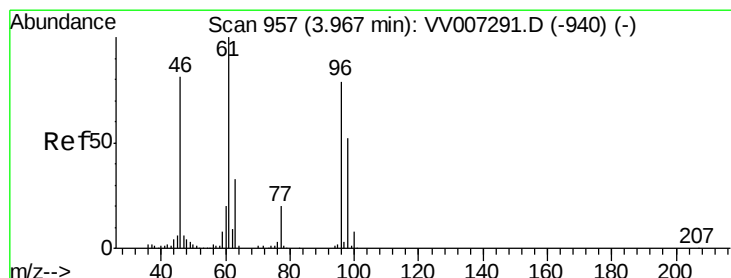
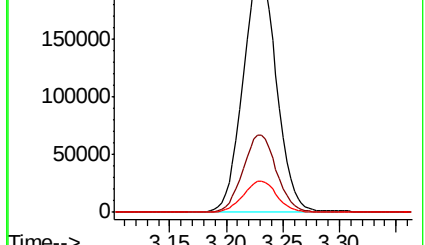
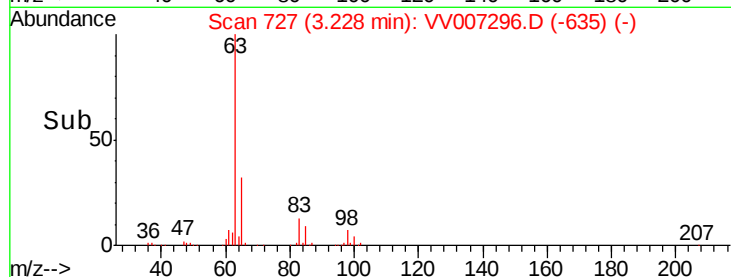


Abundance Ion 63.00 (62.70 to 63.70): VV007291.D (-710) (-)

Ion 65.00 (64.70 to 65.70): VV007291.D (-710) (-)

Ion 83.00 (82.70 to 83.70): VV007291.D (-710) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 50.271 ug/L

RT: 3.96 min Scan# 956

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

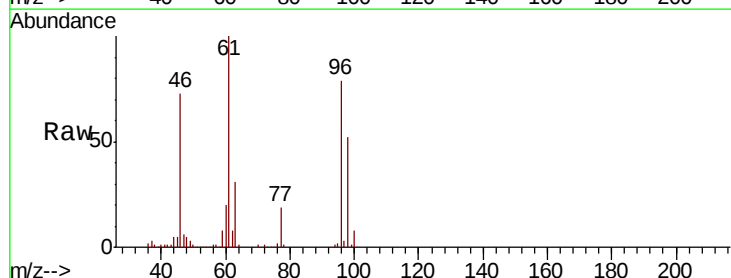
Tgt Ion: 96 Resp: 247584

Ion Ratio Lower Upper

96 100

61 126.1 88.4 164.2

68 0.0 0.0 0.0

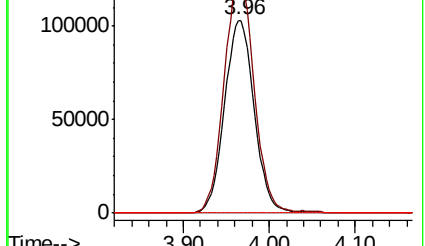
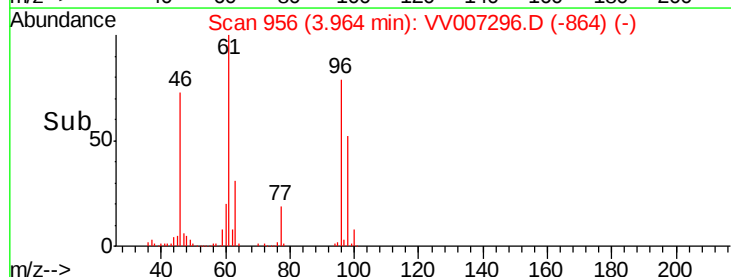


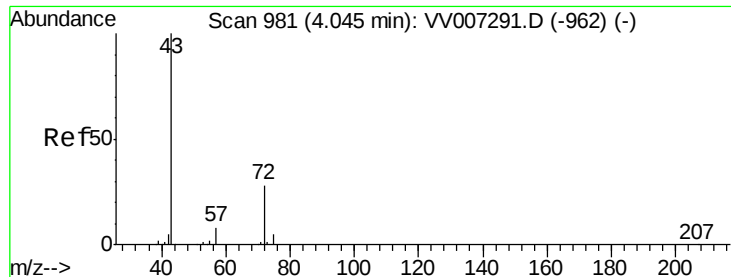
Abundance Ion 96.00 (95.70 to 96.70): VV007291.D (-940) (-)

Ion 61.00 (60.70 to 61.70): VV007291.D (-940) (-)

Ion 68.00 (67.70 to 68.70): VV007291.D (-940) (-)

Time-->





#22

2-Butanone

Concen: 103.187 ug/L

RT: 4.04 min Scan# 981

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Instrument :

MSVOA_V

ClientSampled :

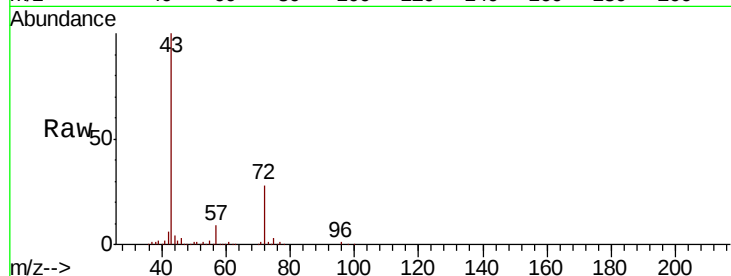
VICV77

Tgt Ion: 43 Resp: 396318

Ion Ratio Lower Upper

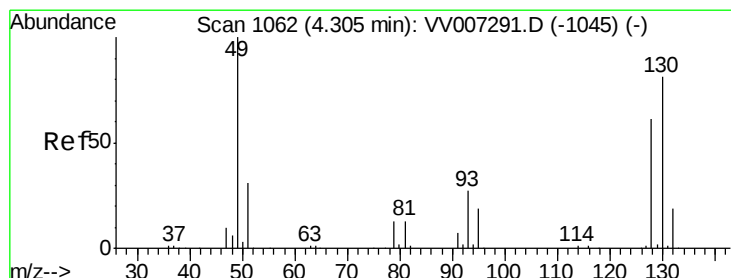
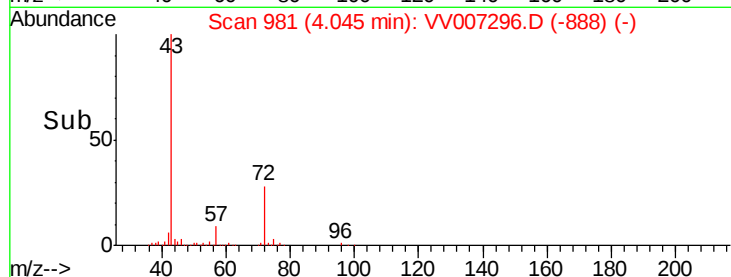
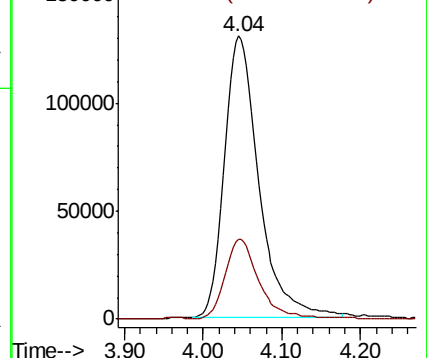
43 100

72 27.4 14.1 42.2



Abundance Ion 43.00 (42.70 to 43.70): VV007296.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VV007296.D (-962) (-)



#23

Bromochloromethane

Concen: 50.176 ug/L

RT: 4.30 min Scan# 1061

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Tgt Ion: 128 Resp: 128160

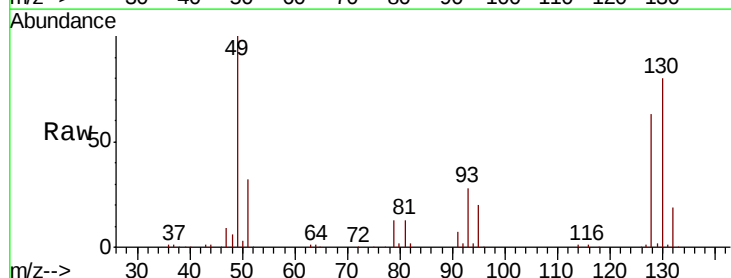
Ion Ratio Lower Upper

128 100

49 159.9 115.6 214.8

130 128.2 93.7 173.9

51 51.0 41.3 61.9

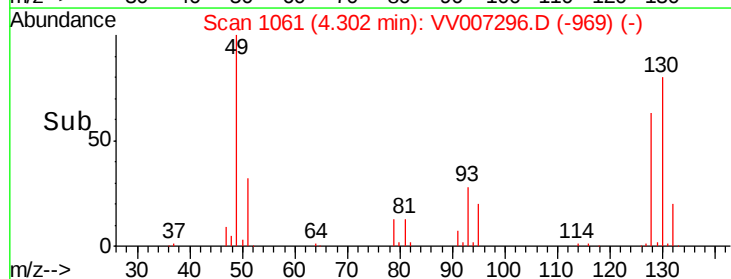
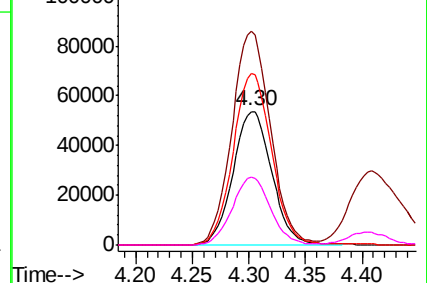


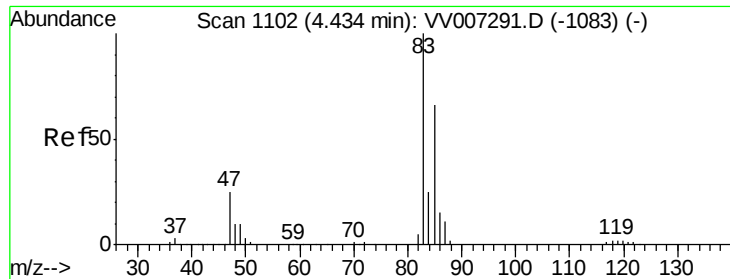
Abundance Ion 128.00 (127.70 to 128.70): VV007296.D (-969) (-)

Ion 49.00 (48.70 to 49.70): VV007296.D (-969) (-)

Ion 130.00 (129.70 to 130.70): VV007296.D (-969) (-)

Ion 51.00 (50.70 to 51.70): VV007296.D (-969) (-)

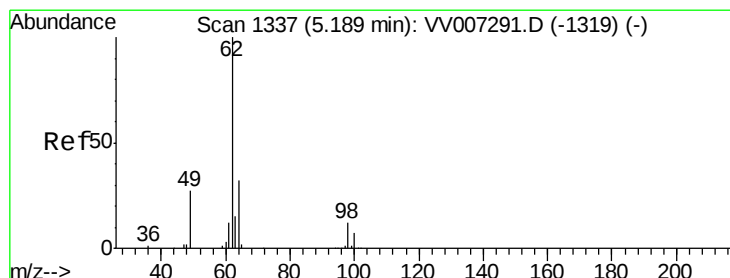
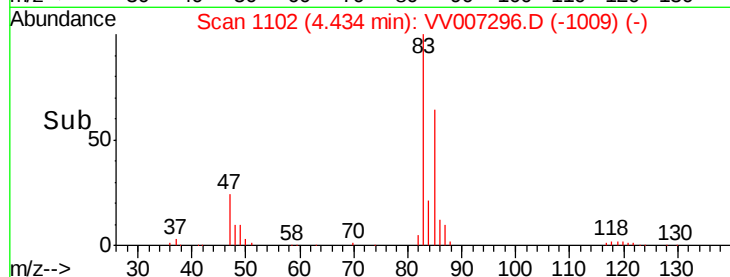
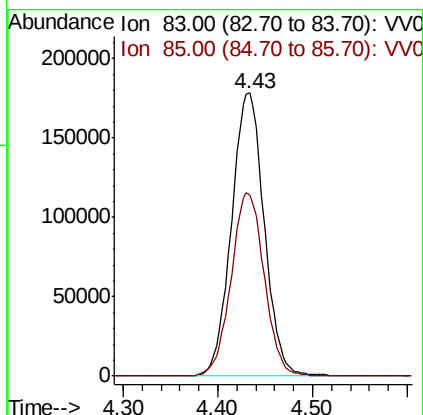
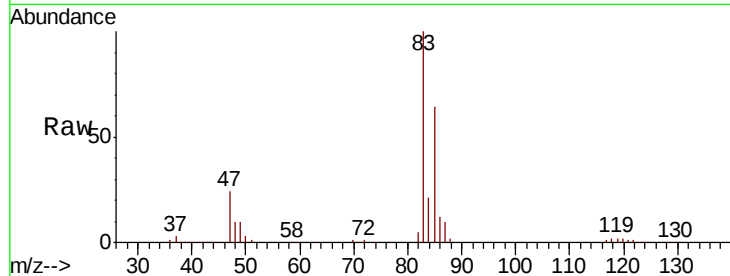




#25
Chloroform
Concen: 50.413 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV007296.D
Acq: 31 Aug 2018 12:52

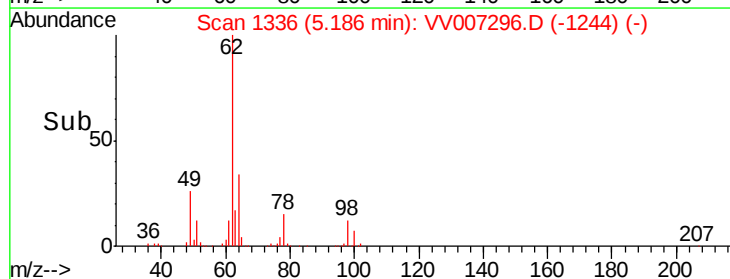
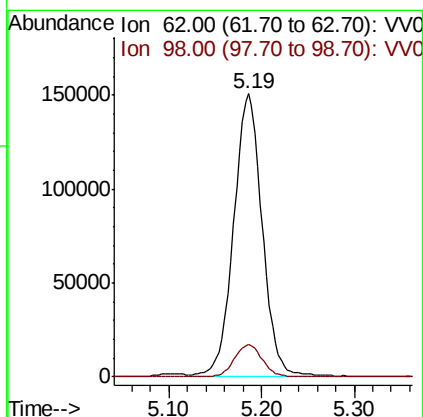
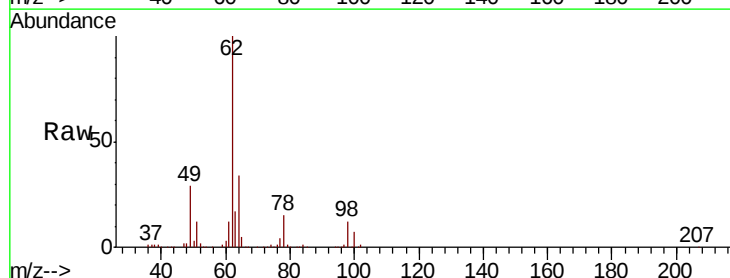
Instrument :
MSVOA_V
ClientSampleId :
VICV77

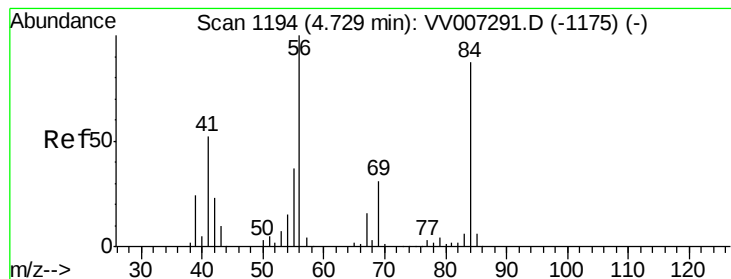
Tgt Ion: 83 Resp: 429158
Ion Ratio Lower Upper
83 100
85 64.0 46.1 85.7



#27
1,2-Dichloroethane
Concen: 50.786 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV007296.D
Acq: 31 Aug 2018 12:52

Tgt Ion: 62 Resp: 321629
Ion Ratio Lower Upper
62 100
98 11.6 9.1 13.7





#29

Cyclohexane

Concen: 53.920 ug/L

RT: 4.73 min Scan# 1193

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

VICV77

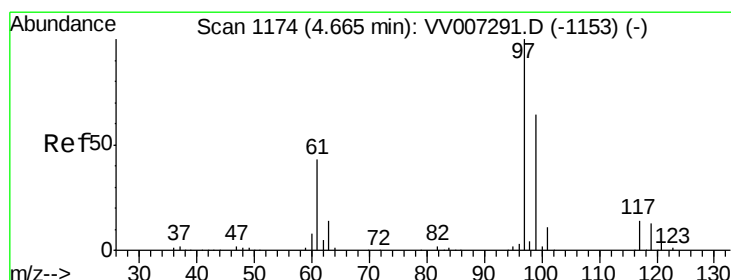
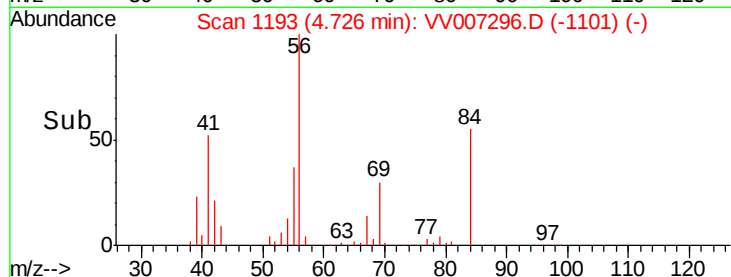
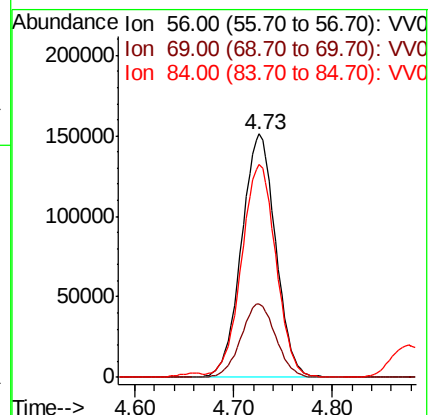
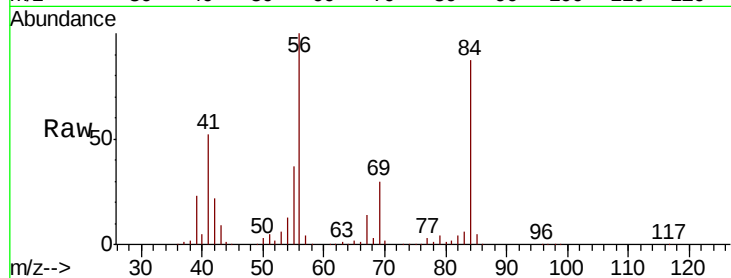
Tgt Ion: 56 Resp: 361945

Ion Ratio Lower Upper

56 100

69 30.8 24.7 37.1

84 88.0 70.8 106.2



#30

1,1,1-Trichloroethane

Concen: 51.209 ug/L

RT: 4.66 min Scan# 1172

Delta R.T. -0.01 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

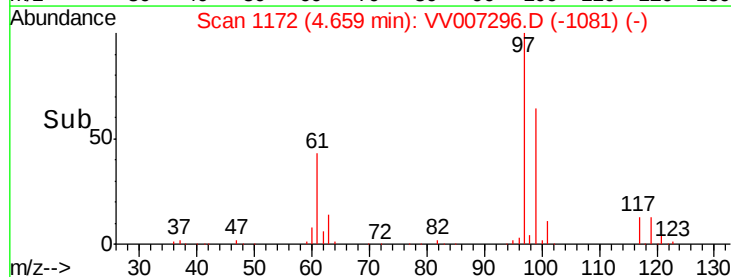
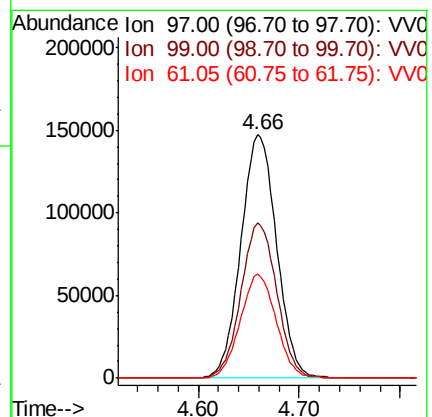
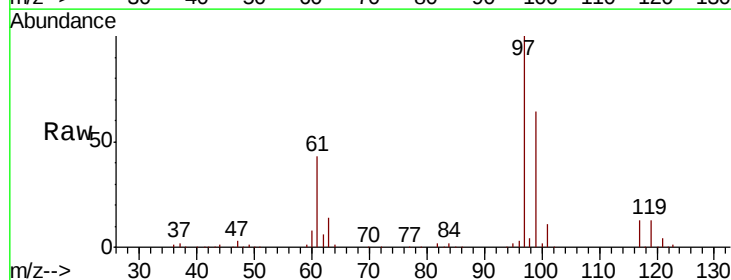
Tgt Ion: 97 Resp: 362226

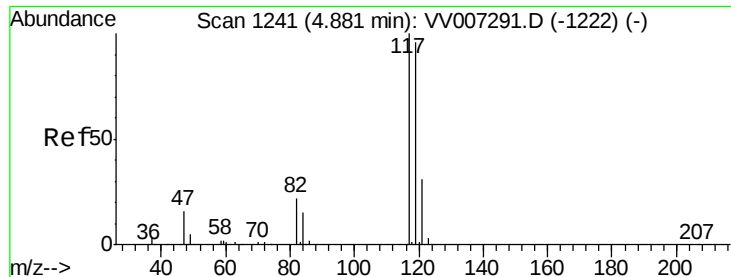
Ion Ratio Lower Upper

97 100

99 63.8 51.4 77.0

61 42.9 34.6 51.8





#31

Carbon tetrachloride

Concen: 50.738 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

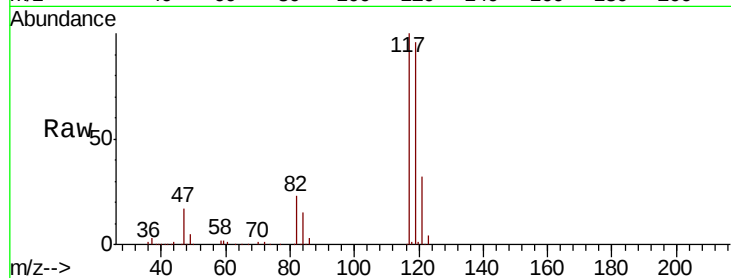
VICV77

Tgt Ion:117 Resp: 309766

Ion Ratio Lower Upper

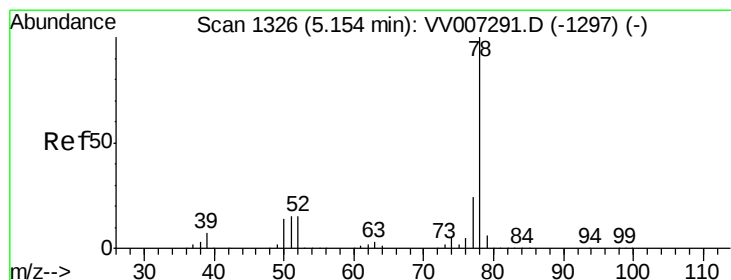
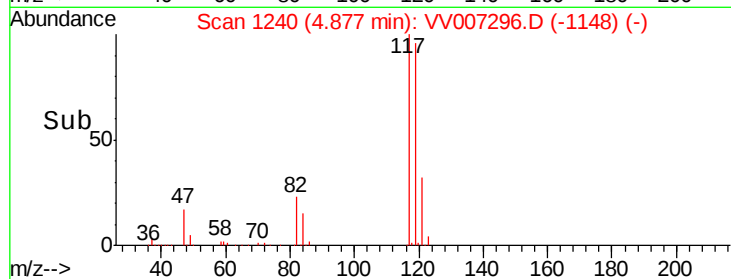
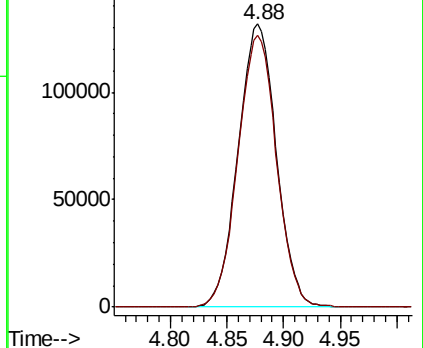
117 100

119 96.9 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 52.695 ug/L

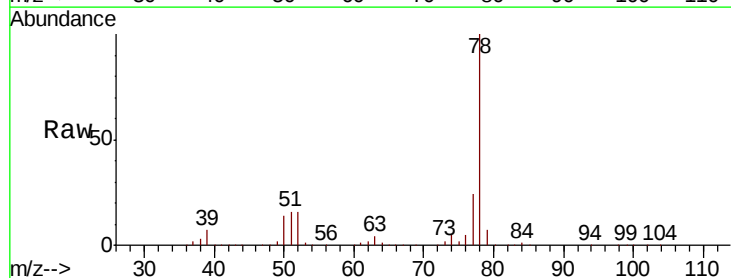
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

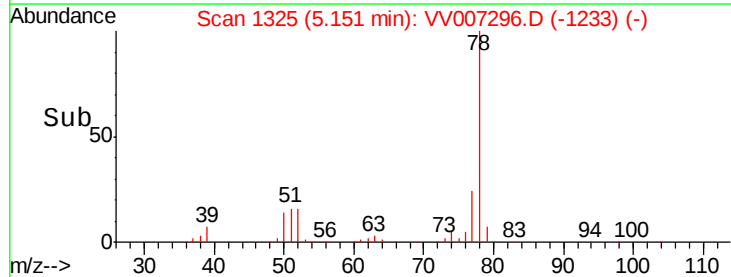
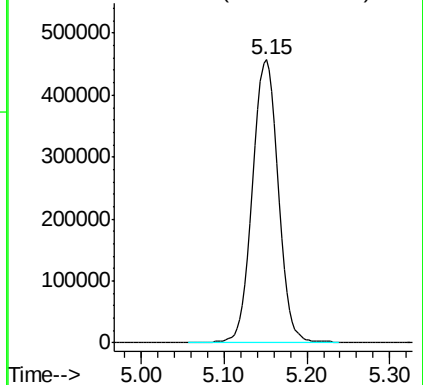
Lab File: VV007296.D

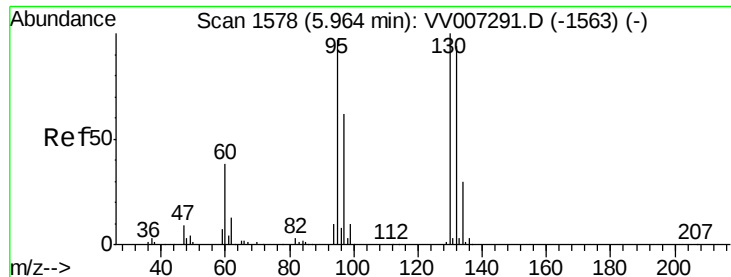
Acq: 31 Aug 2018 12:52

Tgt Ion: 78 Resp: 991955



Abundance Ion 78.00 (77.70 to 78.70): VV0

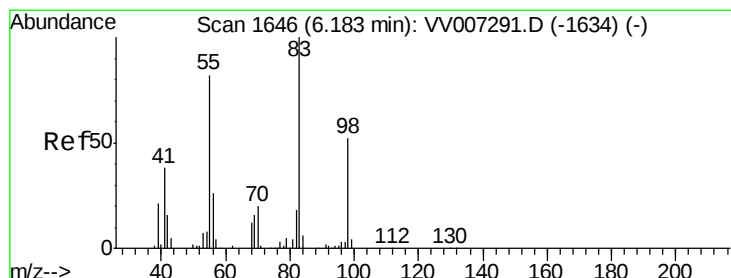
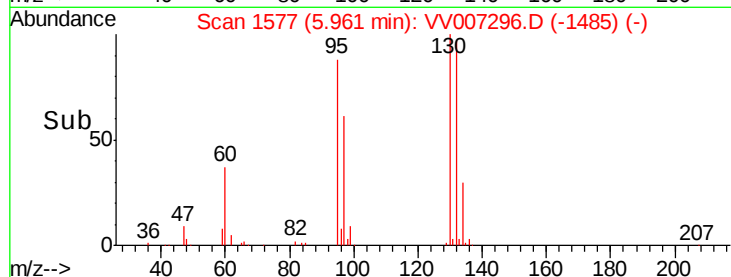
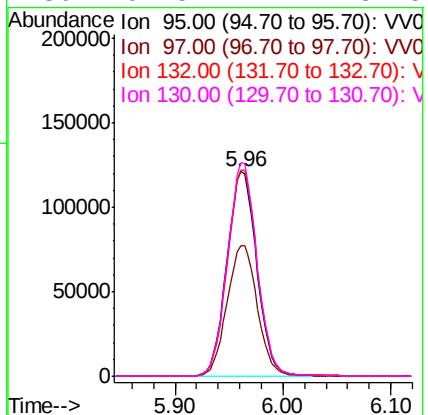
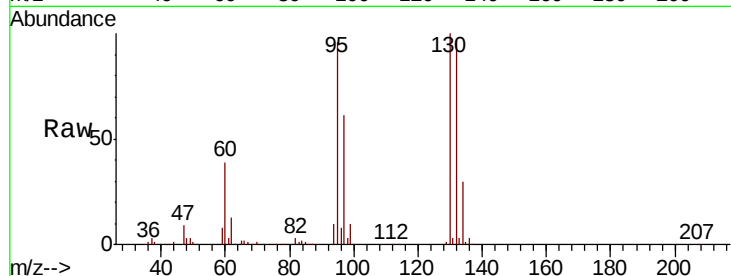




#34
 Trichloroethene
 Concen: 51.459 ug/L
 RT: 5.96 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VV007296.D
 Acq: 31 Aug 2018 12:52

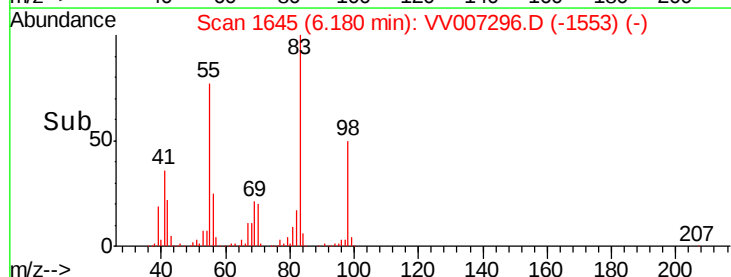
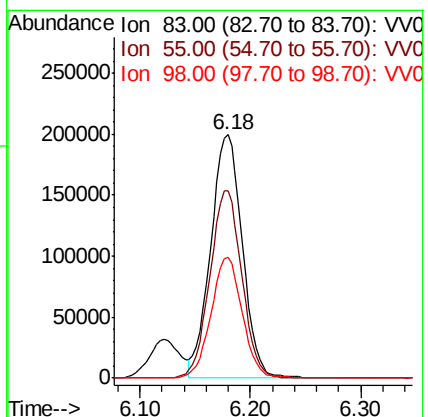
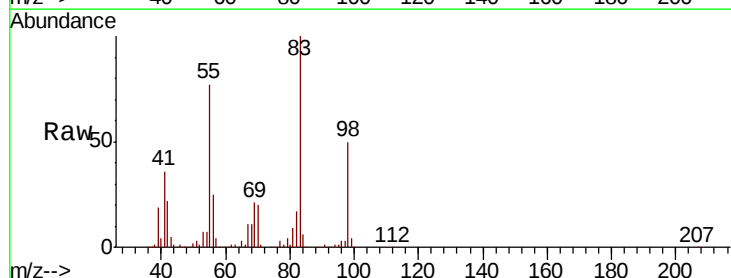
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV77

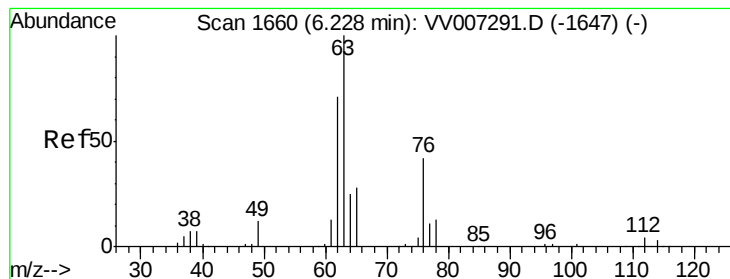
Tgt Ion:	95	Resp:	234700
Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.1	83.9
132	101.0	68.3	126.9
130	104.5	72.4	134.5



#35
 Methylcyclohexane
 Concen: 54.972 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. -0.00 min
 Lab File: VV007296.D
 Acq: 31 Aug 2018 12:52

Tgt Ion:	83	Resp:	396386
Ion	Ratio	Lower	Upper
83	100		
55	77.4	62.4	93.6
98	48.6	39.0	58.4





#37

1,2-Dichloropropane

Concen: 51.356 ug/L

RT: 6.22 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Instrument :

MSVOA_V

ClientSampled :

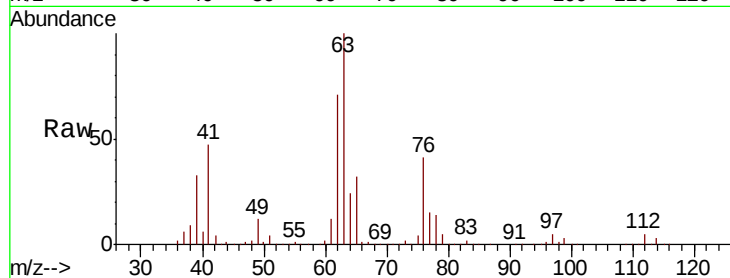
VICV77

Tgt Ion: 63 Resp: 260979

Ion Ratio Lower Upper

63 100

112 5.1 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

150000

100000

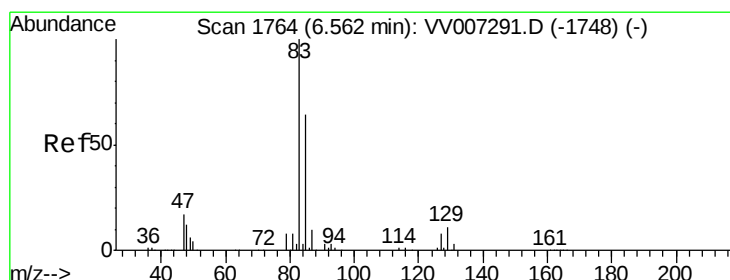
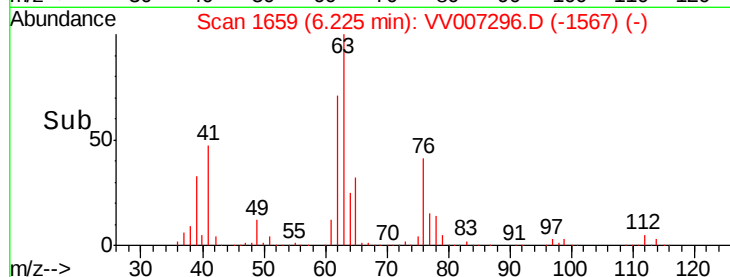
50000

0

6.22

6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 50.606 ug/L

RT: 6.56 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

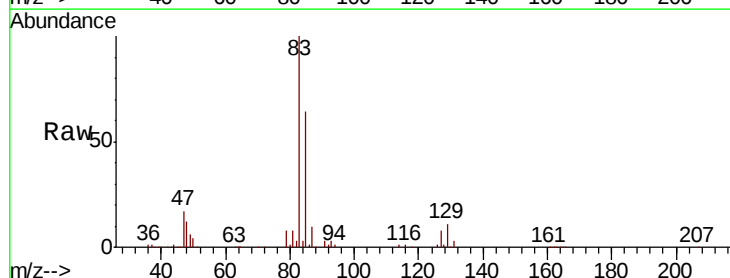
Tgt Ion: 83 Resp: 315246

Ion Ratio Lower Upper

83 100

85 63.5 44.4 82.5

127 8.4 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V

200000

150000

100000

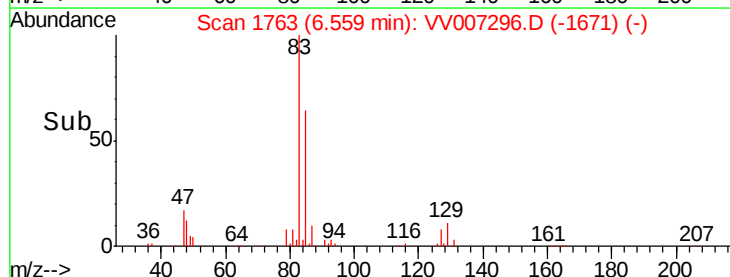
50000

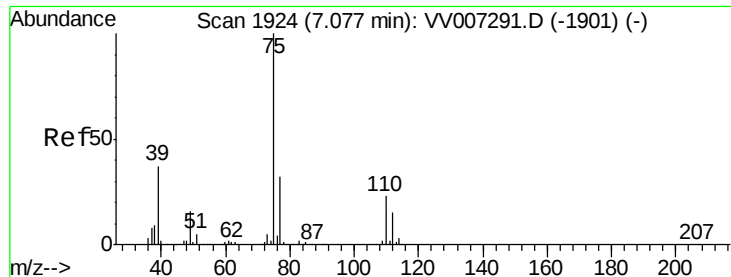
0

6.56

6.50 6.60 6.70

Time-->

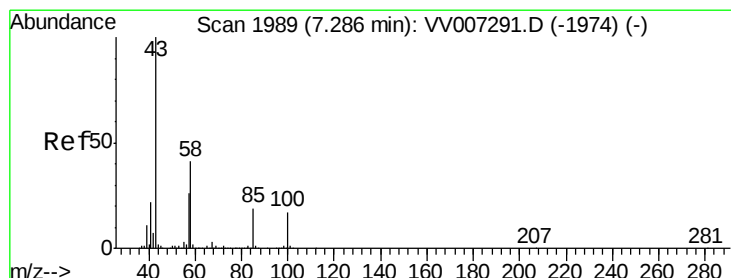
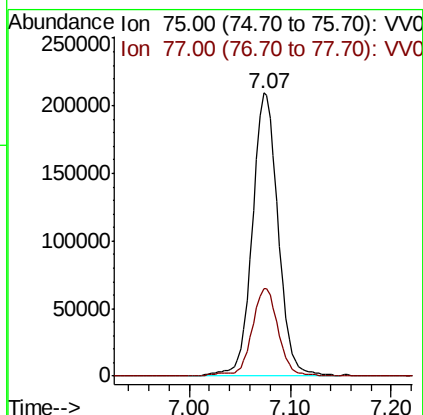
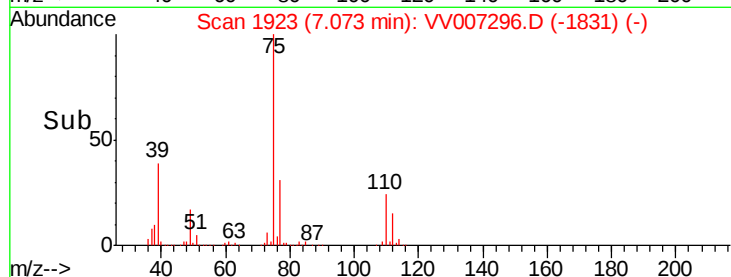
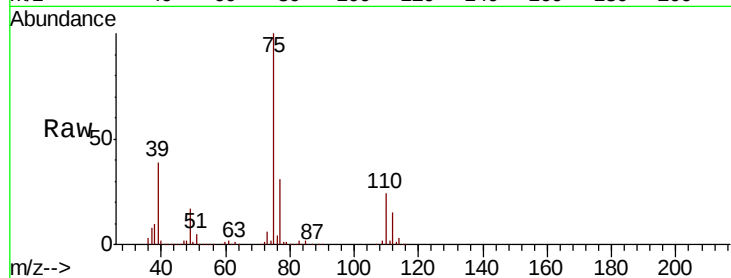




#39
 cis-1,3-Dichloropropene
 Concen: 52.120 ug/L
 RT: 7.07 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV007296.D
 Acq: 31 Aug 2018 12:52

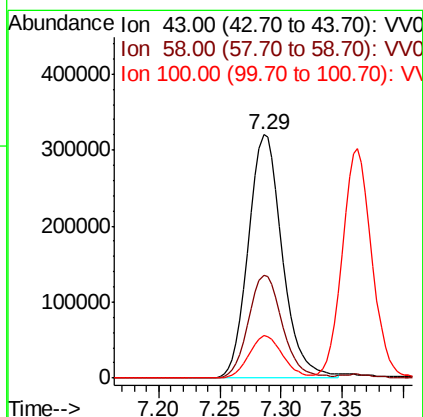
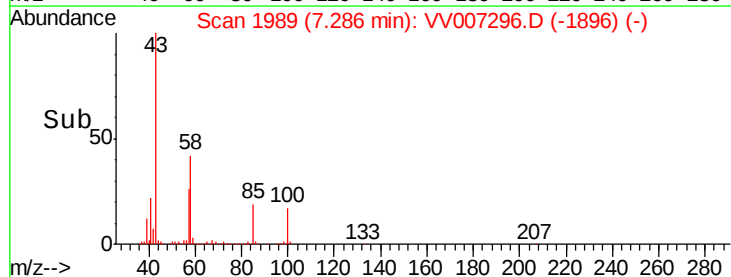
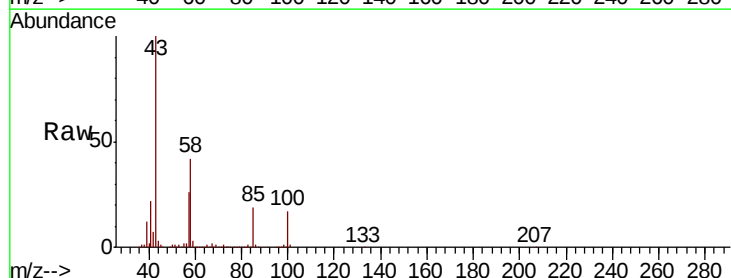
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV77

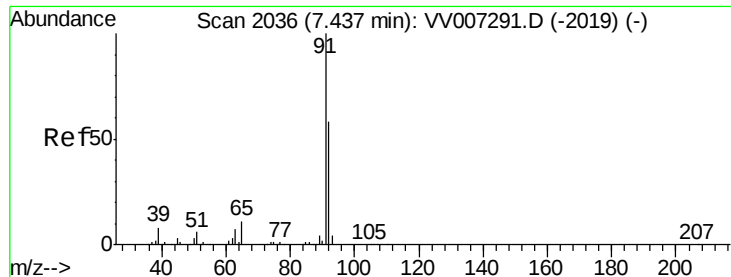
Tgt Ion: 75 Resp: 369362
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 106.018 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VV007296.D
 Acq: 31 Aug 2018 12:52

Tgt Ion: 43 Resp: 614303
 Ion Ratio Lower Upper
 43 100
 58 42.4 32.6 49.0
 100 17.3 13.4 20.0





#42

Toluene

Concen: 54.479 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

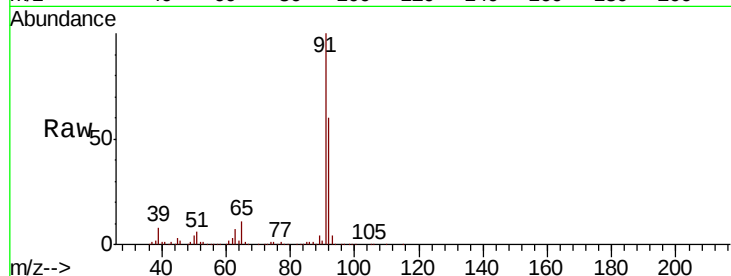
VICV77

Tgt Ion: 91 Resp: 1012743

Ion Ratio Lower Upper

91 100

92 59.8 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV007291.D (-2019) (-)

Ion 92.00 (91.70 to 92.70): VV007291.D (-2019) (-)

7.43

600000

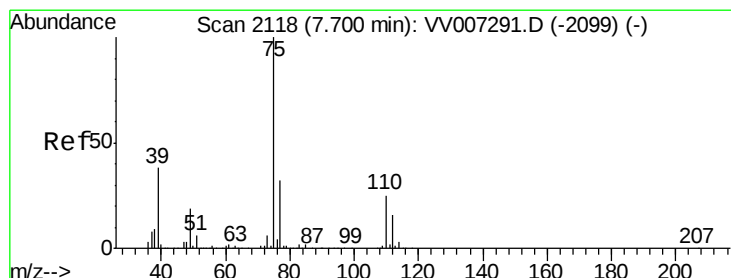
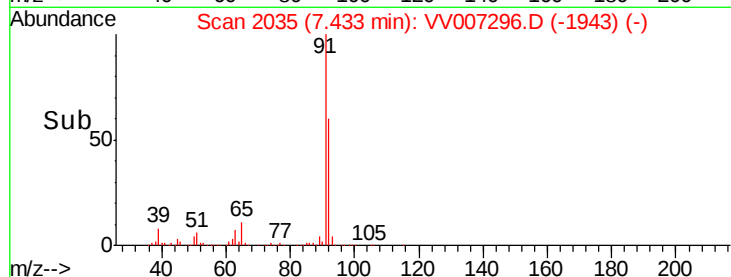
400000

200000

0

7.40 7.50 7.60

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.775 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VV007296.D

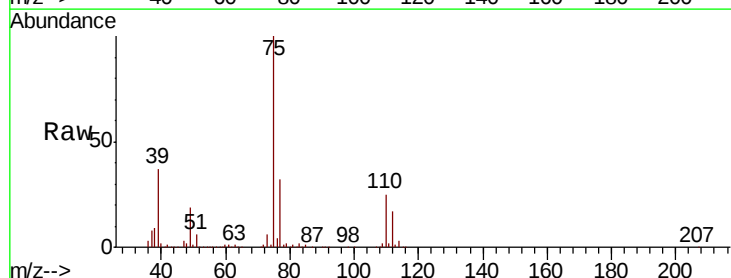
Acq: 31 Aug 2018 12:52

Tgt Ion: 75 Resp: 347389

Ion Ratio Lower Upper

75 100

77 31.8 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV007291.D (-2099) (-)

Ion 77.00 (76.70 to 77.70): VV007291.D (-2099) (-)

7.70

200000

150000

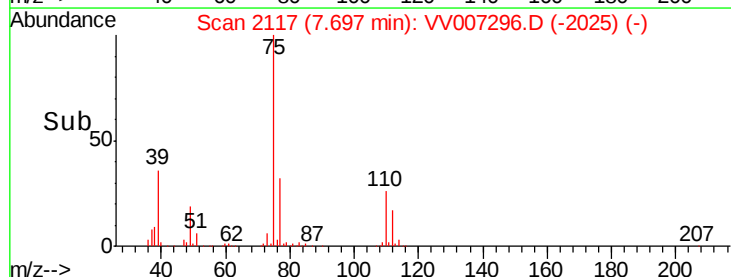
100000

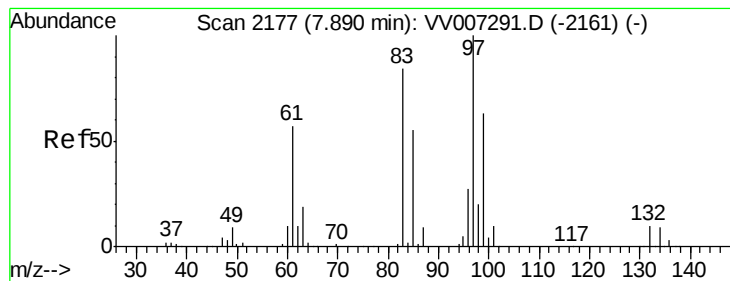
50000

0

7.60 7.65 7.70 7.75 7.80

Time-->





#45

1,1,2-Trichloroethane

Concen: 51.094 ug/L

RT: 7.89 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Instrument :

MSVOA_V

ClientSampled :

VICV77

Tgt Ion: 97 Resp: 241736

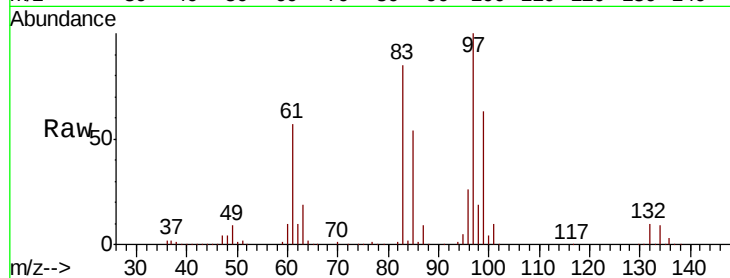
Ion Ratio Lower Upper

97 100

99 63.5 44.0 81.6

83 85.1 59.0 109.6

85 54.1 38.9 72.2

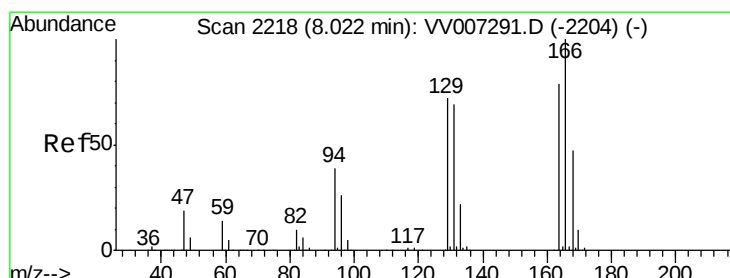
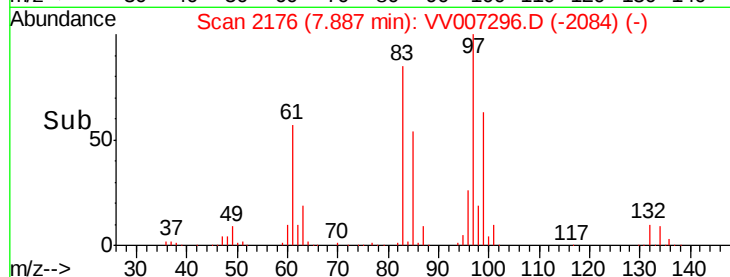
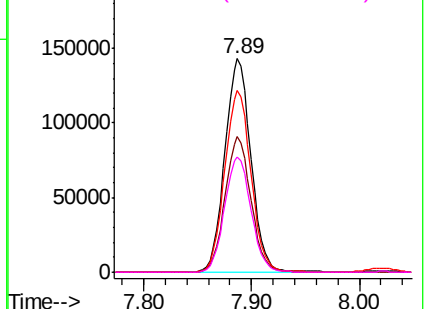


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 52.349 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Tgt Ion: 164 Resp: 200155

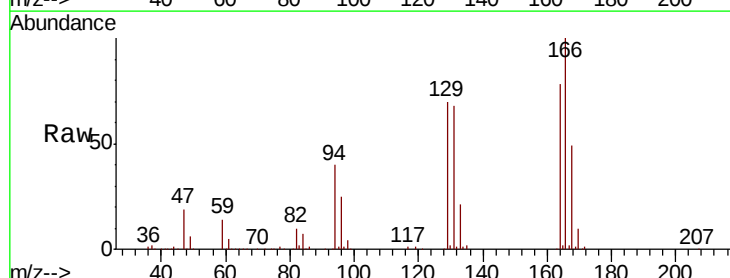
Ion Ratio Lower Upper

164 100

129 89.5 64.5 119.7

131 87.5 61.2 113.8

166 127.8 89.1 165.5

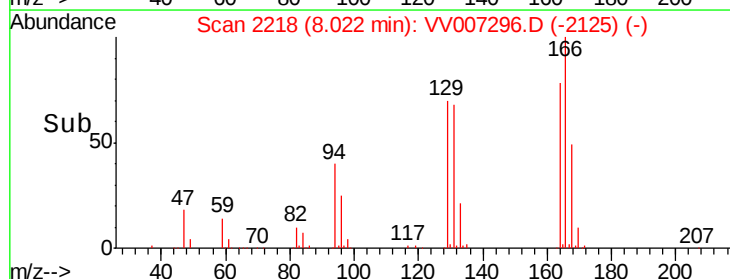
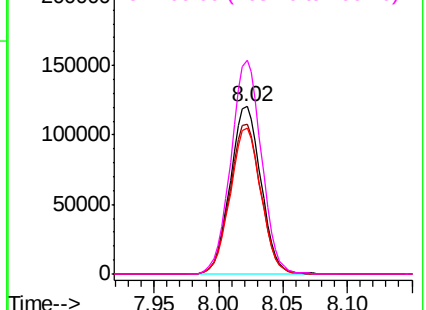


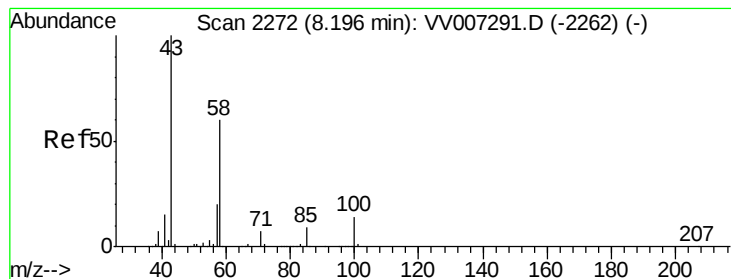
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 110.620 ug/L

RT: 8.20 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

VICV77

Tgt Ion: 43 Resp: 518923

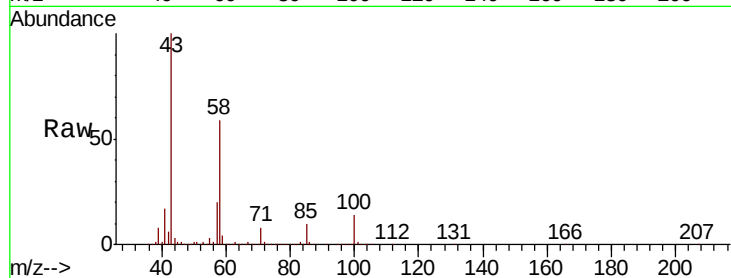
Ion Ratio Lower Upper

43 100

58 58.9 48.2 72.4

57 19.8 15.9 23.9

100 13.9 11.0 16.4

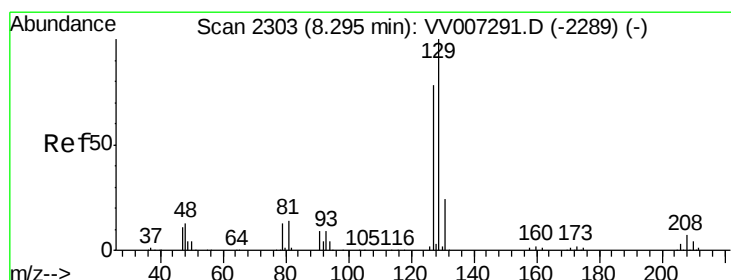
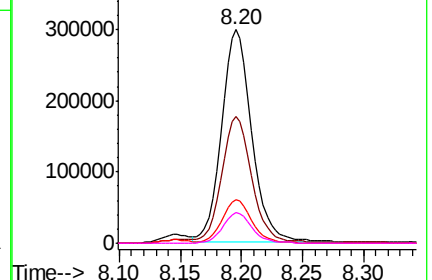
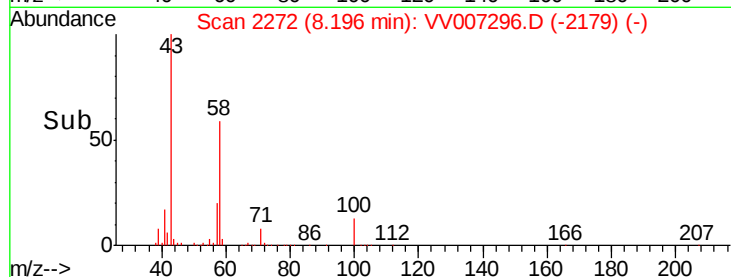


Abundance Ion 43.00 (42.70 to 43.70): VV0

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



#49

Dibromochloromethane

Concen: 51.063 ug/L

RT: 8.30 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VV007296.D

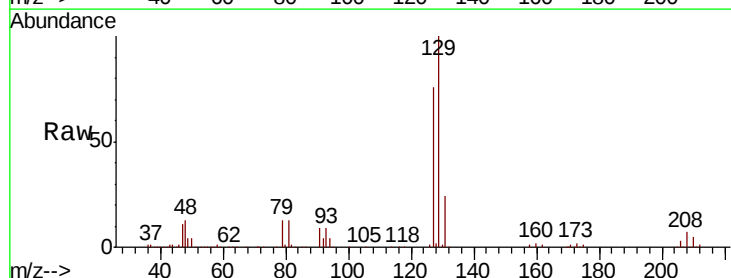
Acq: 31 Aug 2018 12:52

Tgt Ion: 129 Resp: 253592

Ion Ratio Lower Upper

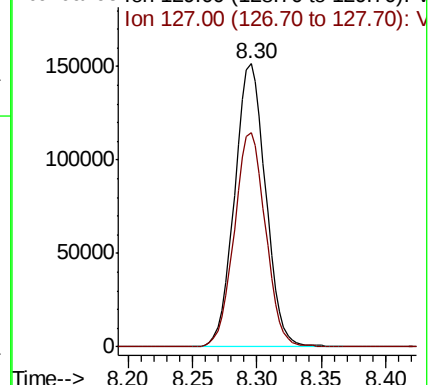
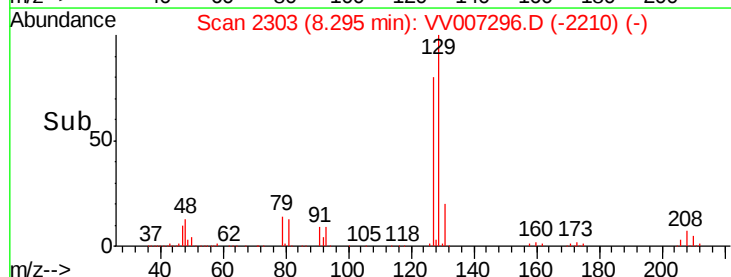
129 100

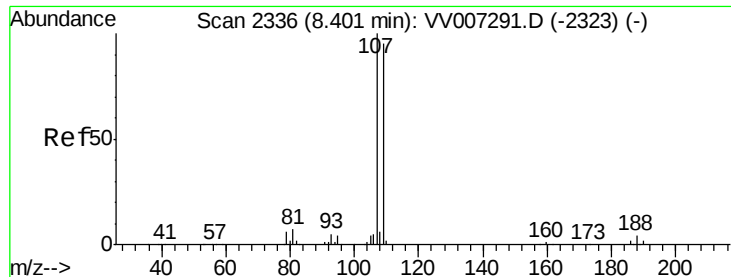
127 75.7 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

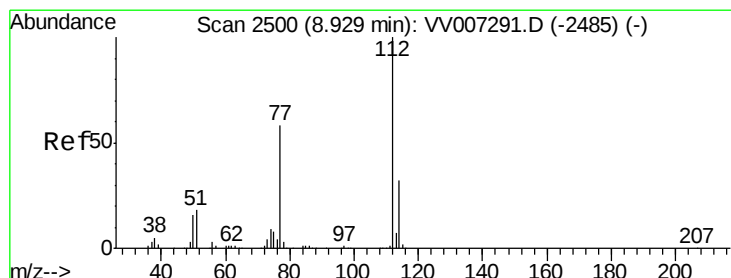
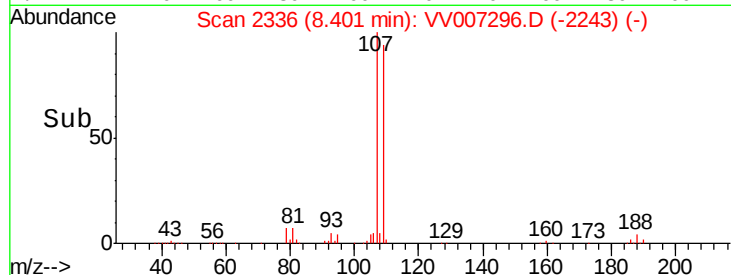
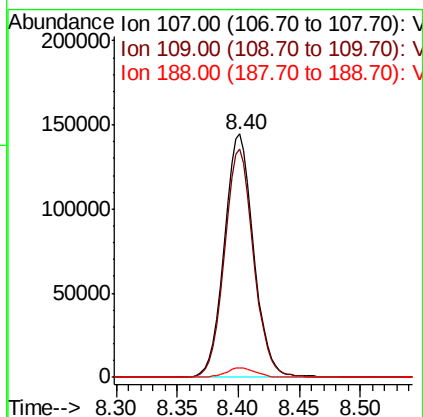
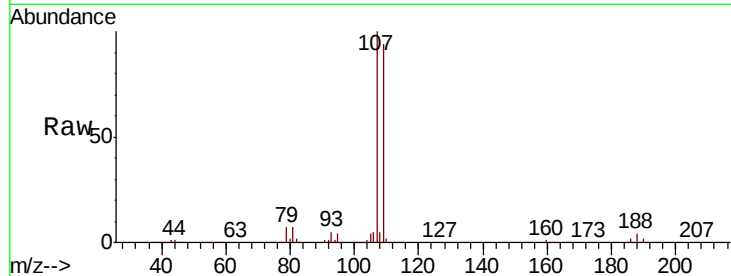




#50
 1,2-Dibromoethane
 Concen: 51.690 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VV007296.D
 Acq: 31 Aug 2018 12:52

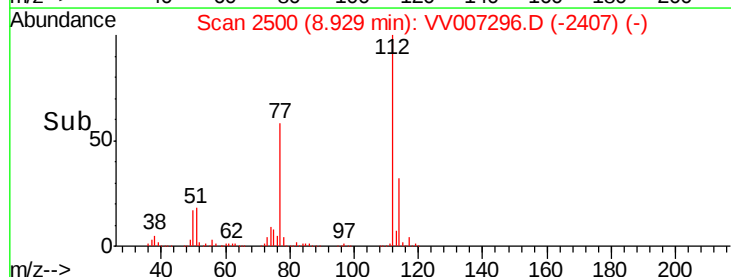
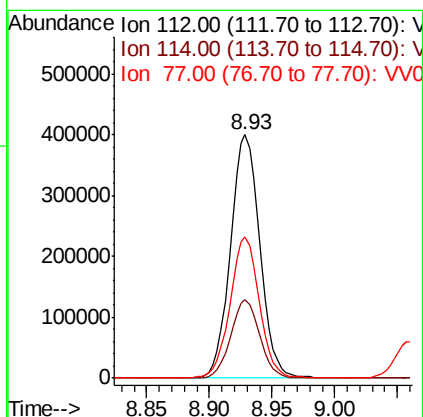
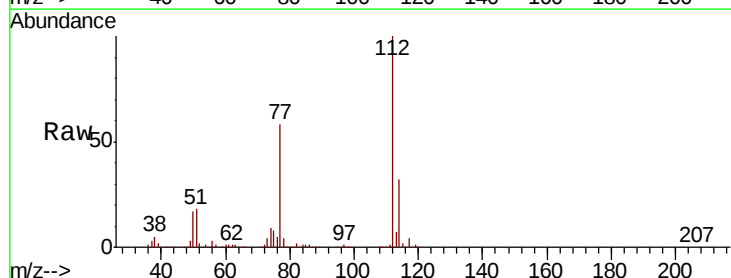
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV77

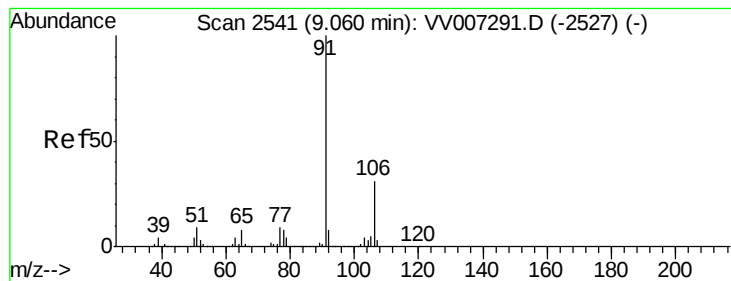
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	66.7	123.9
188	4.0	3.3	4.9



#51
 Chlorobenzene
 Concen: 52.062 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. -0.00 min
 Lab File: VV007296.D
 Acq: 31 Aug 2018 12:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.4	41.6
77	57.8	46.2	69.4





#52

Ethylbenzene

Concen: 54.656 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

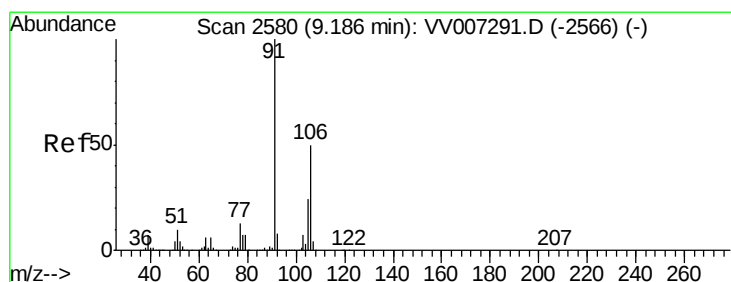
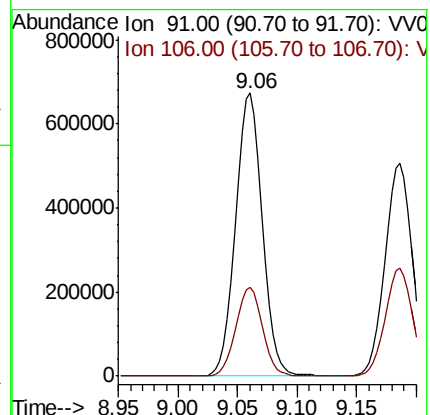
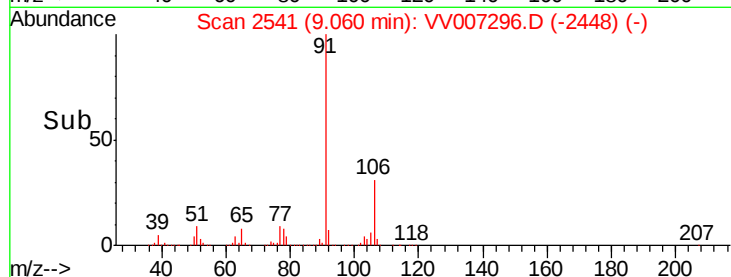
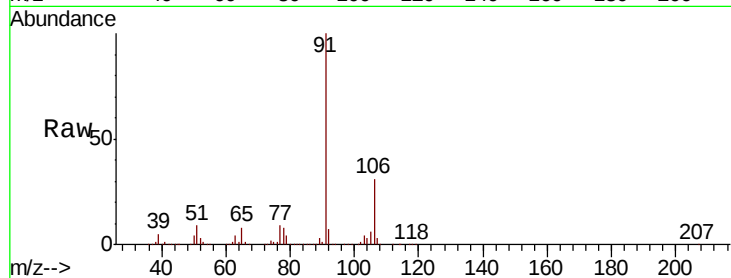
VICV77

Tgt Ion: 91 Resp: 1050808

Ion Ratio Lower Upper

91 100

106 31.3 21.7 40.3



#53

m,p-Xylene

Concen: 56.767 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007296.D

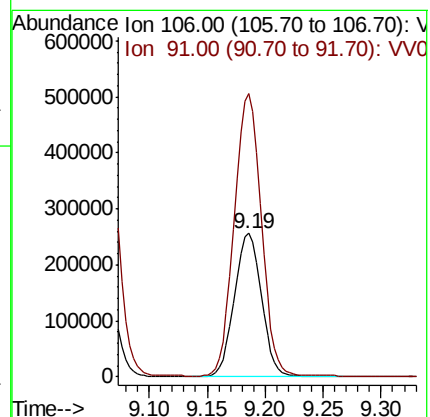
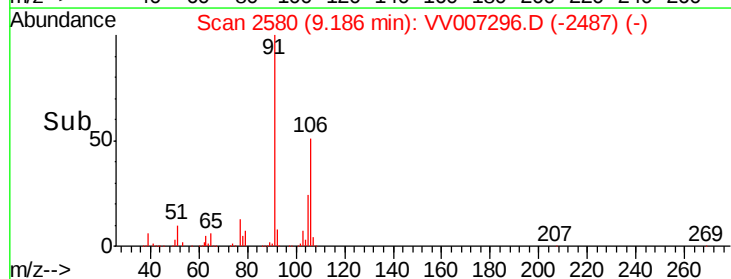
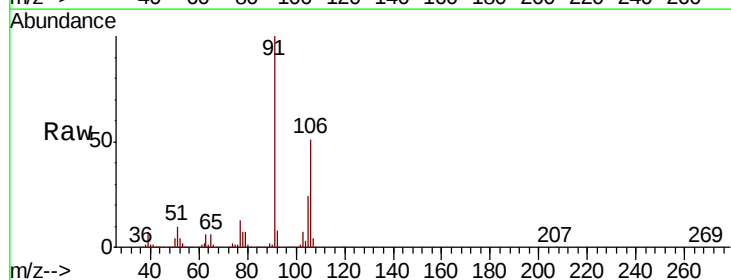
Acq: 31 Aug 2018 12:52

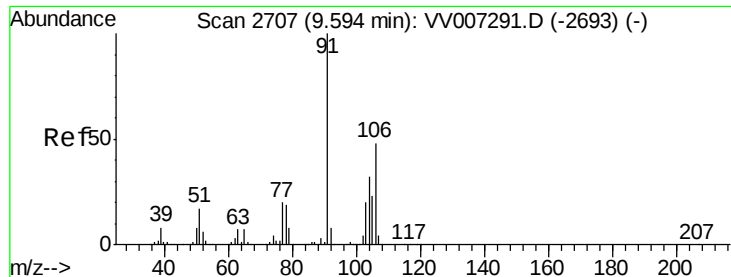
Tgt Ion: 106 Resp: 412023

Ion Ratio Lower Upper

106 100

91 197.1 140.1 260.3





#54

o-xylene

Concen: 55.572 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

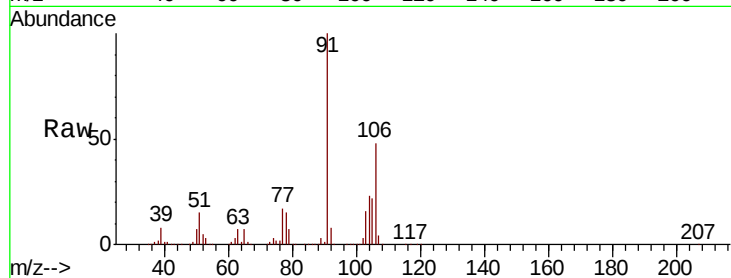
VICV77

Tgt Ion:106 Resp: 391579

Ion Ratio Lower Upper

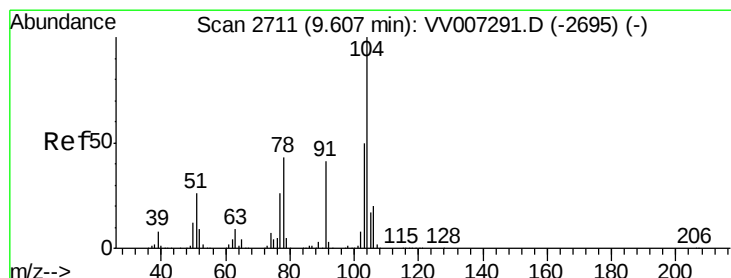
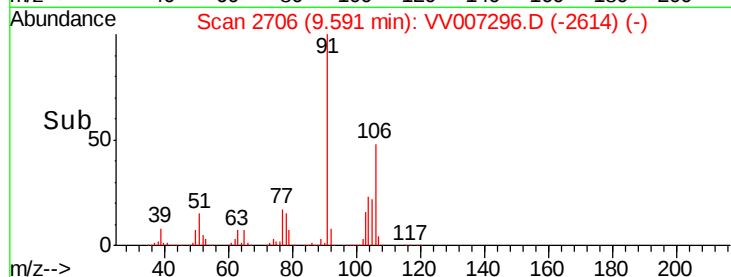
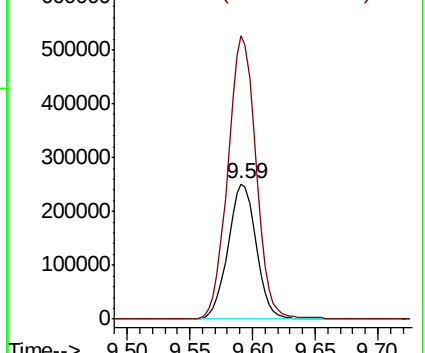
106 100

91 209.0 145.6 270.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 57.789 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV007296.D

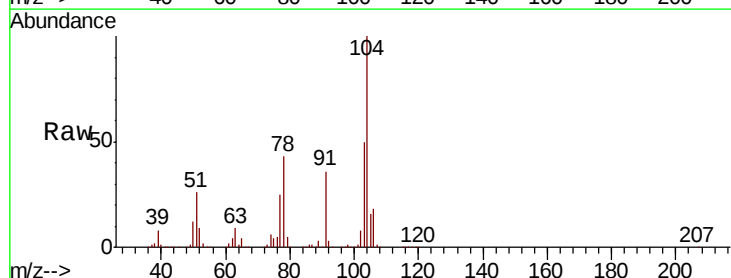
Acq: 31 Aug 2018 12:52

Tgt Ion:104 Resp: 709021

Ion Ratio Lower Upper

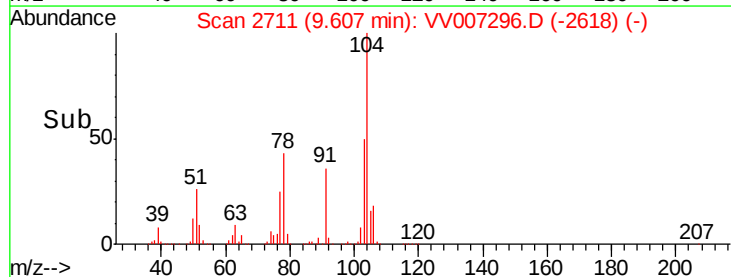
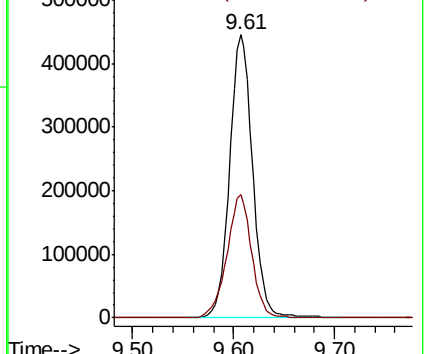
104 100

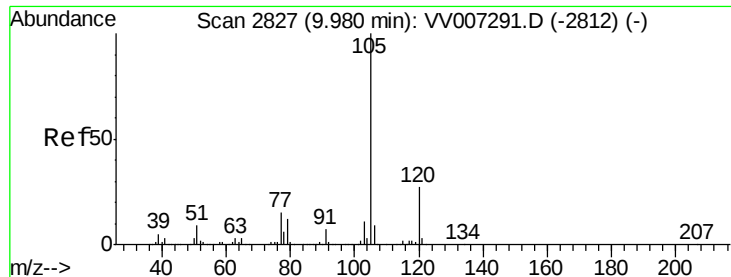
78 43.5 30.2 56.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 56.877 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

VICV77

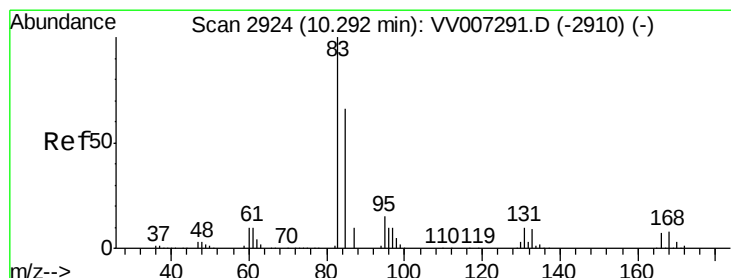
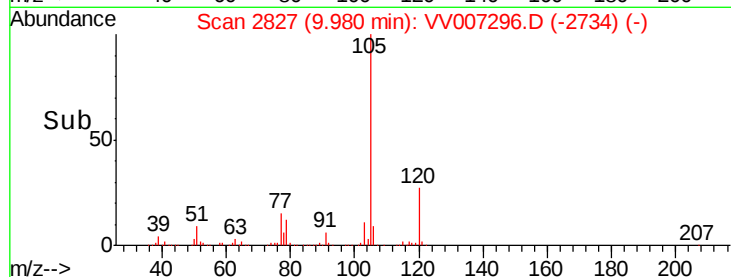
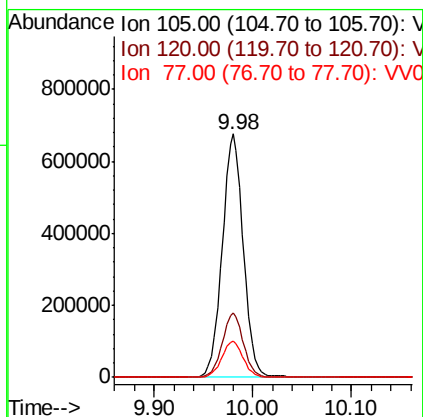
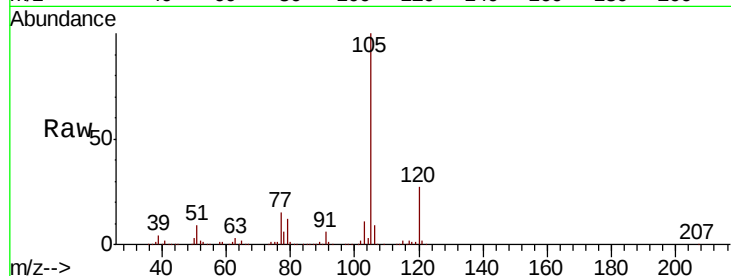
Tgt Ion:105 Resp: 1017586

Ion Ratio Lower Upper

105 100

120 26.3 21.3 31.9

77 15.0 12.1 18.1



#58

1,1,2,2-Tetrachloroethane

Concen: 51.473 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

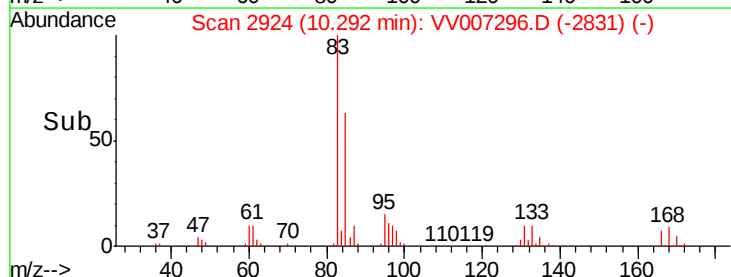
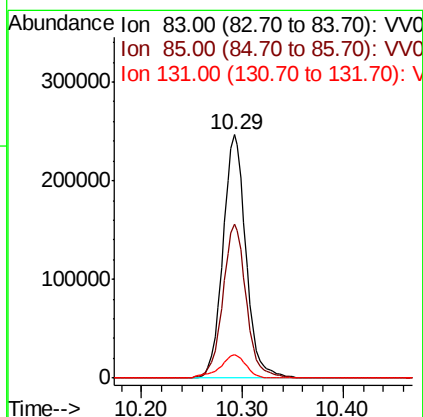
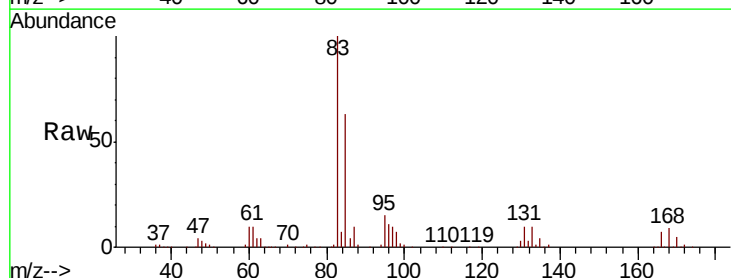
Tgt Ion: 83 Resp: 392845

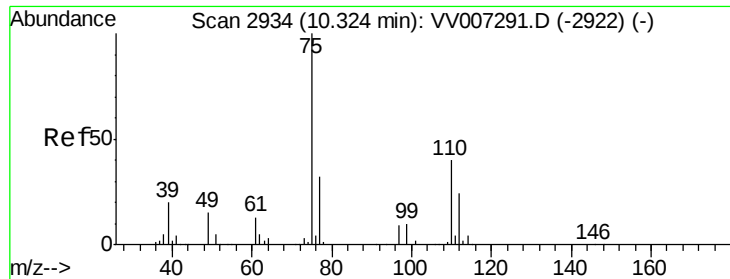
Ion Ratio Lower Upper

83 100

85 63.3 46.1 85.5

131 9.6 7.9 11.9





#59

1,2,3-Trichloropropane

Concen: 50.770 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

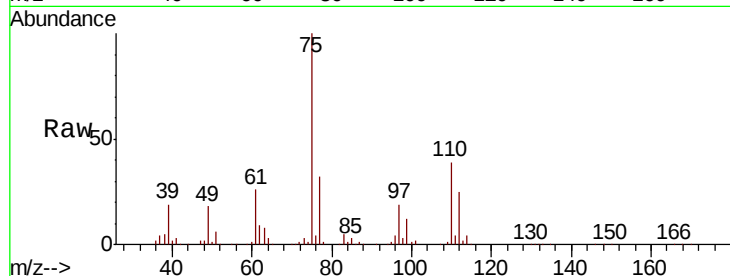
VICV77

Tgt Ion: 75 Resp: 306185

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV007291.D (-2922) (-)

Ion 77.00 (76.70 to 77.70): VV007291.D (-2922) (-)

10.32

200000

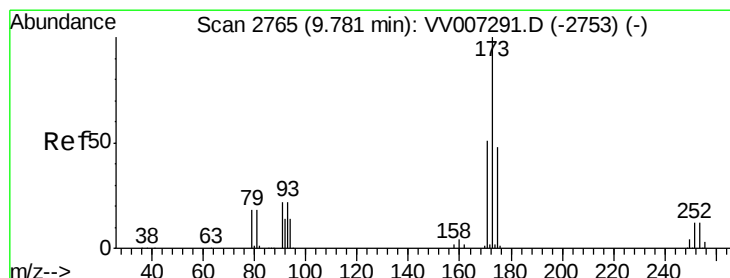
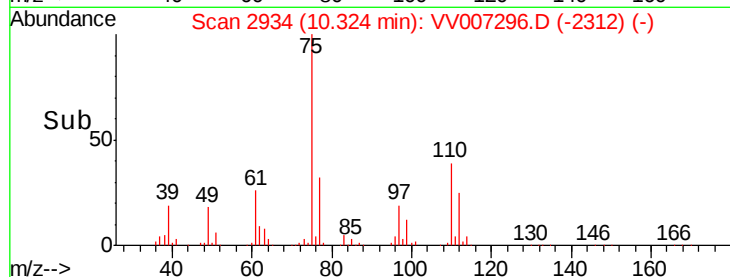
150000

100000

50000

0

Time--> 10.25 10.30 10.35 10.40



#61

Bromoform

Concen: 49.611 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

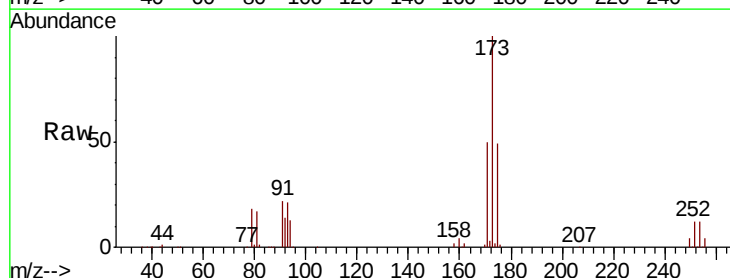
Tgt Ion: 173 Resp: 184433

Ion Ratio Lower Upper

173 100

175 48.7 38.3 57.5

254 11.4 9.4 14.2



Abundance Ion 173.00 (172.70 to 173.70): VV007291.D (-2753) (-)

Ion 175.00 (174.70 to 175.70): VV007291.D (-2753) (-)

Ion 254.00 (253.70 to 254.70): VV007291.D (-2753) (-)

9.78

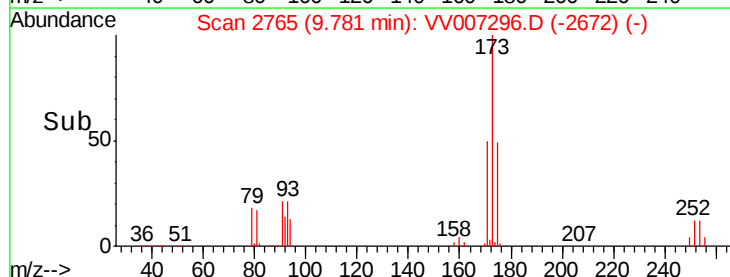
150000

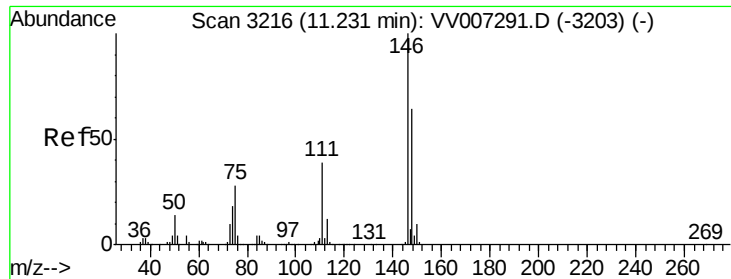
100000

50000

0

Time--> 9.70 9.75 9.80 9.85 9.90





#62

1,3-Dichlorobenzene

Concen: 51.588 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

VICV77

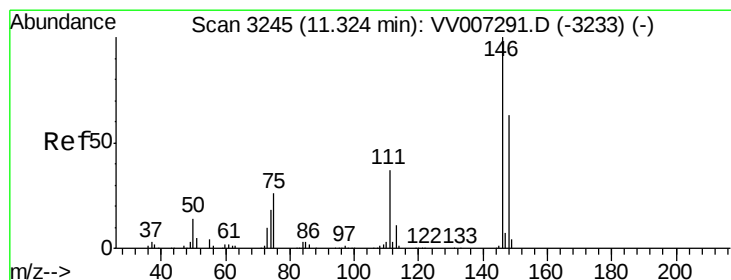
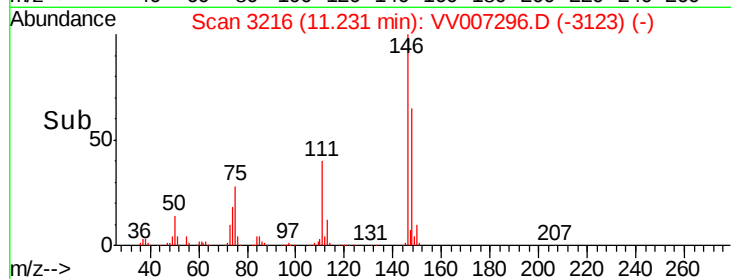
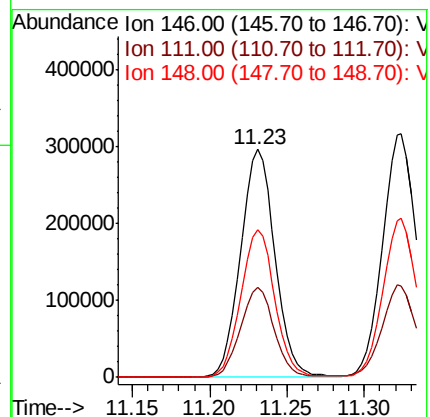
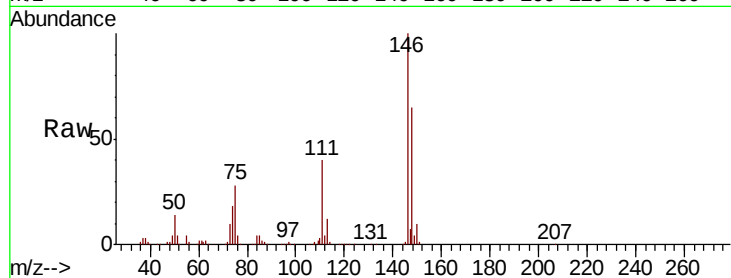
Tgt Ion:146 Resp: 458806

Ion Ratio Lower Upper

146 100

111 39.7 27.2 50.6

148 65.0 45.1 83.7



#63

1,4-Dichlorobenzene

Concen: 51.620 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

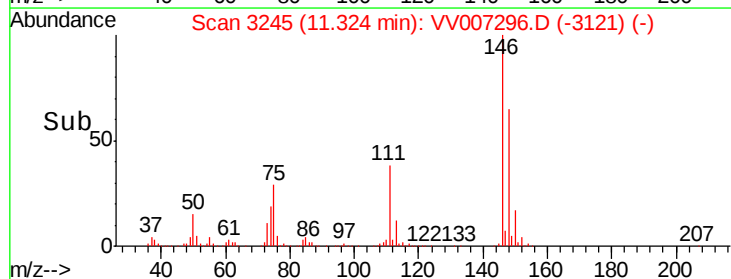
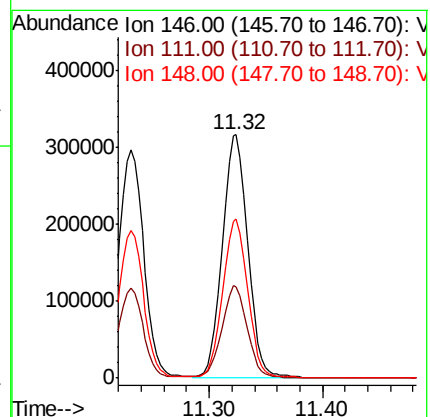
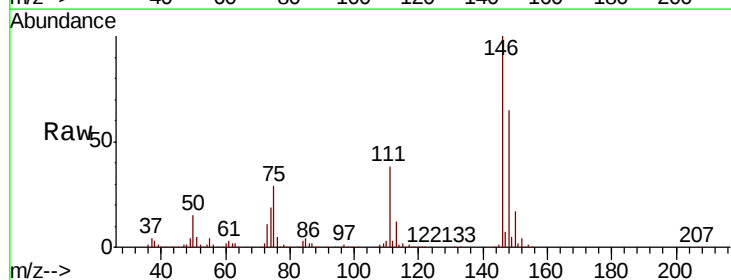
Tgt Ion:146 Resp: 497645

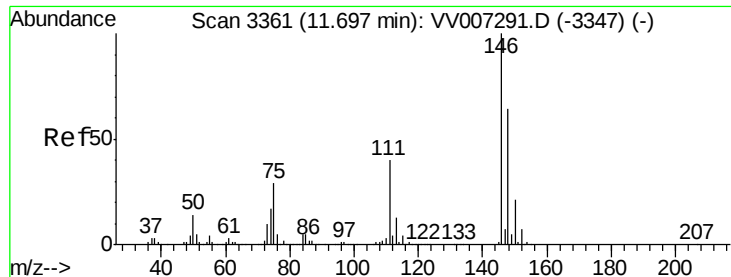
Ion Ratio Lower Upper

146 100

111 37.8 25.8 48.0

148 65.2 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 52.083 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

VICV77

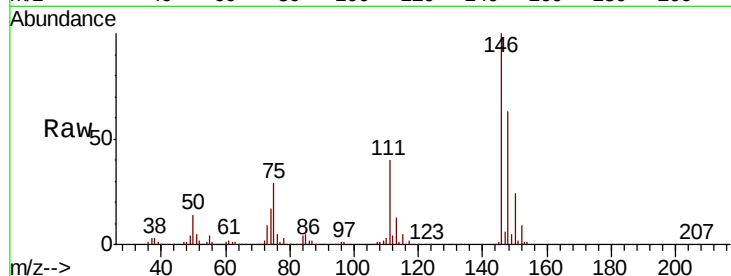
Tgt Ion:146 Resp: 505845

Ion Ratio Lower Upper

146 100

111 40.2 32.2 48.2

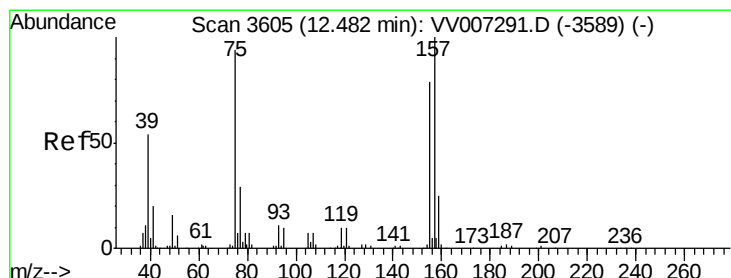
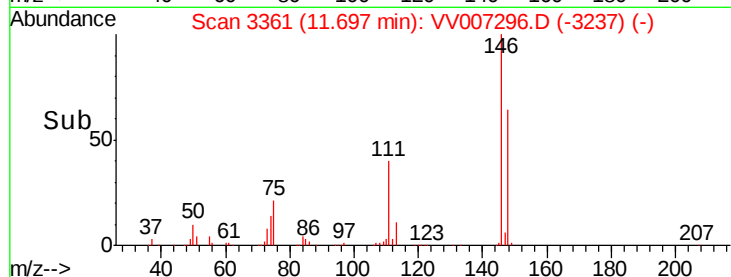
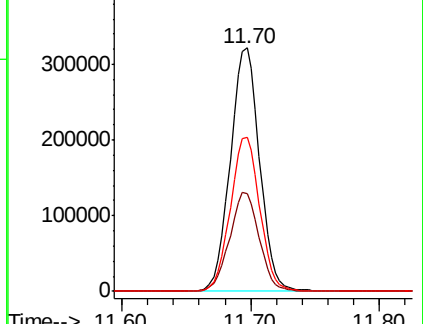
148 63.4 51.1 76.7



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: 48.300 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

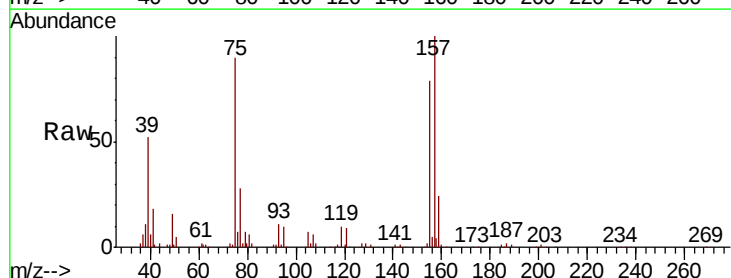
Tgt Ion: 75 Resp: 76105

Ion Ratio Lower Upper

75 100

155 87.1 67.1 100.7

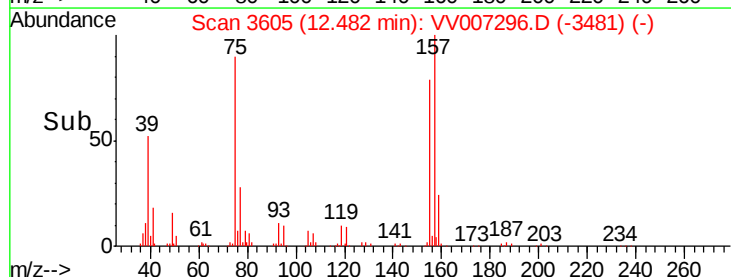
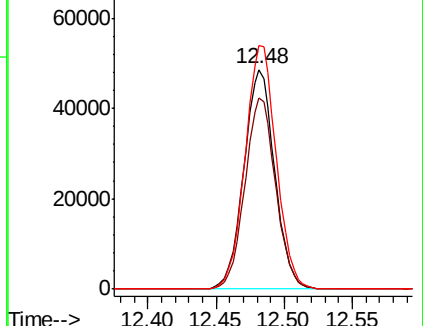
157 110.9 85.4 128.2

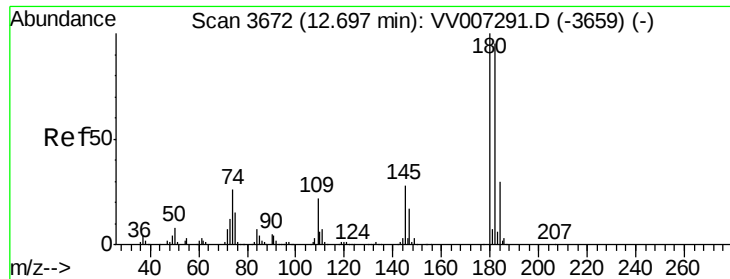


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

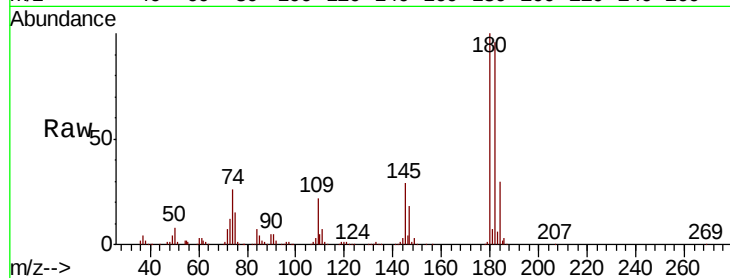




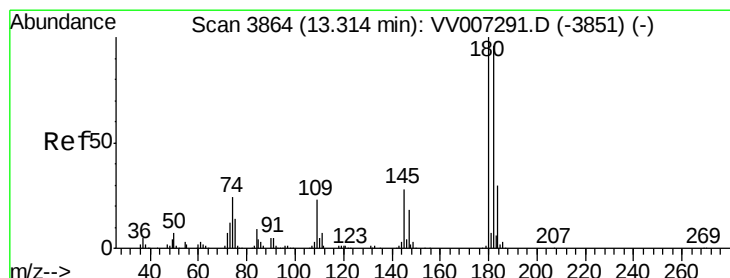
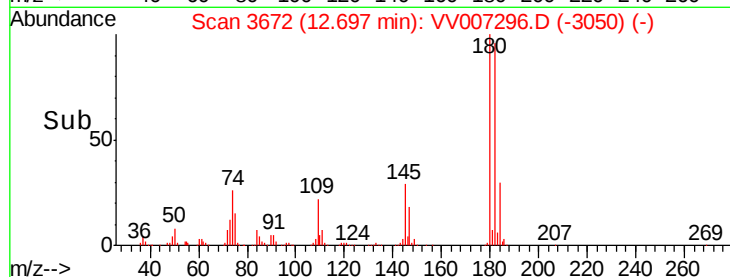
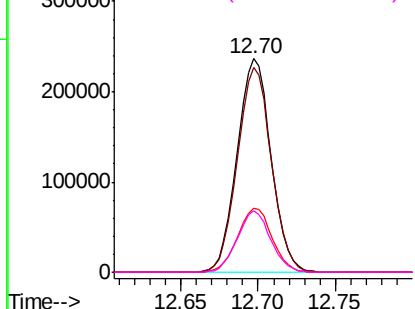
#67
 1,3,5-Trichlorobenzene
 Concen: 52.300 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV007296.D
 Acq: 31 Aug 2018 12:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV77

Tgt Ion:	180	Resp:	359782
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
184	30.5	24.1	36.1
145	28.3	22.3	33.5

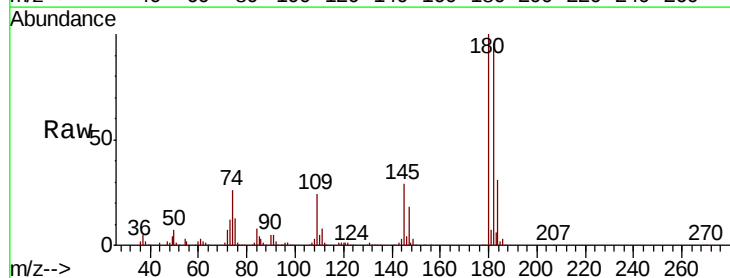


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

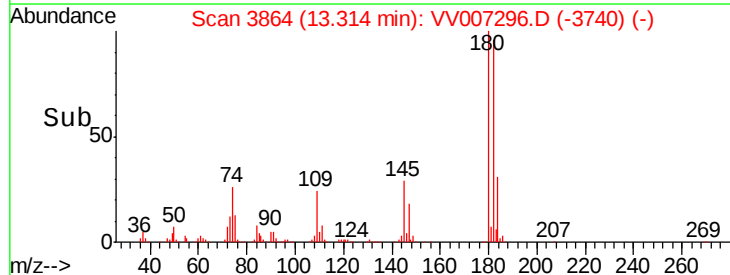
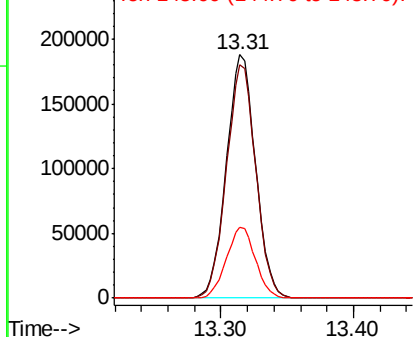


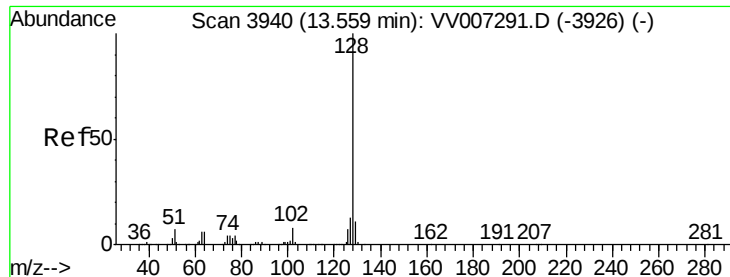
#68
 1,2,4-trichlorobenzene
 Concen: 52.202 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV007296.D
 Acq: 31 Aug 2018 12:52

Tgt Ion:	180	Resp:	286825
Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.2	115.8
145	29.0	22.8	34.2



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: 54.336 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

VICV77

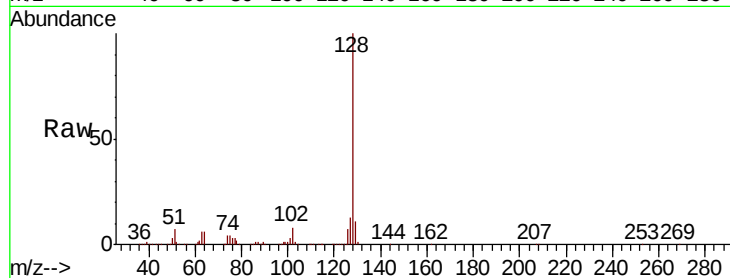
Tgt Ion:128 Resp: 832551

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

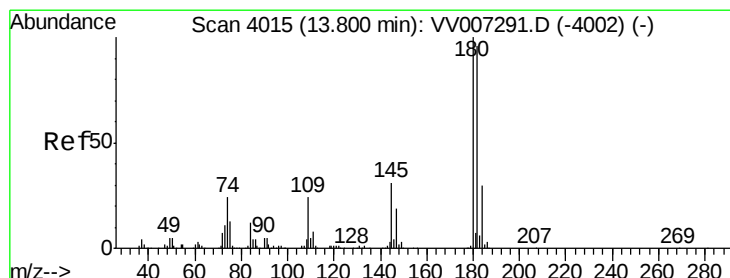
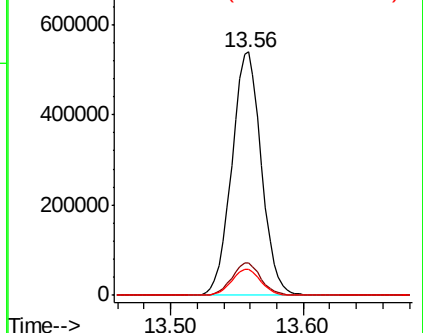
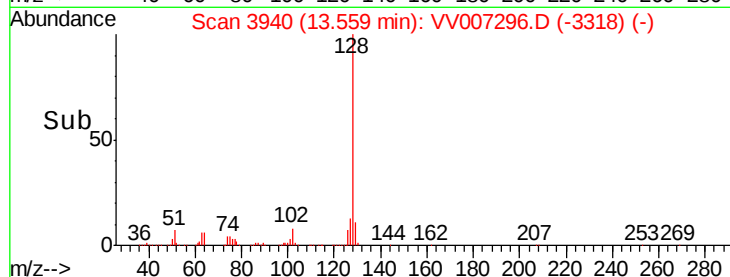
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.988 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007296.D

Acq: 31 Aug 2018 12:52

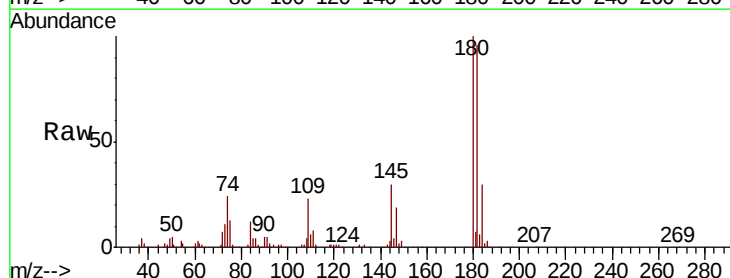
Tgt Ion:180 Resp: 321902

Ion Ratio Lower Upper

180 100

182 96.0 76.1 114.1

145 30.6 24.4 36.6



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

