

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033020\
 Data File : VV015293.D
 Acq On : 31 Mar 2020 00:09
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 31 02:23:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 31 02:12:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	643727	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	647802	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	303532	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	196820	41.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.86%
7) Chloroethane-d5	1.58	69	190302	43.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.14%
11) 1,1-Dichloroethene-d2	2.12	63	420560	41.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.10%
21) 2-Butanone-d5	4.19	46	332	0.11	ug/L	0.25
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.11%#
24) Chloroform-d	4.38	84	389824	46.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.06	65	257669	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.44%
32) Benzene-d6	5.08	84	743118	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.88%
36) 1,2-Dichloropropane-d6	6.10	67	238046	45.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.02%
41) Toluene-d8	7.34	98	739284	45.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.38%
43) trans-1,3-Dichloropropene-	7.64	79	125791	43.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.36%
47) 2-Hexanone-d5	8.11	63	245500	98.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.96%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	364979	46.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.54%
64) 1,2-Dichlorobenzene-d4	11.65	152	275956	45.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	230165	50.823	ug/L 99
3) Chloromethane	1.25	50	249060	48.427	ug/L 98
5) Vinyl chloride	1.32	62	268062	49.406	ug/L 99
6) Bromomethane	1.53	94	171664	47.296	ug/L 95
8) Chloroethane	1.60	64	199426	53.301	ug/L 98
9) Trichlorofluoromethane	1.77	101	478147	52.135	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	232594	47.295	ug/L 99
12) 1,1-Dichloroethene	2.13	96	223685	46.983	ug/L 97
13) Acetone	2.21	43	188506	89.997	ug/L 98
14) Carbon disulfide	2.31	76	530642	45.802	ug/L 100
15) Methyl Acetate	2.46	43	218646	51.986	ug/L 100
16) Methylene chloride	2.53	84	217440	48.817	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	193646	48.537	ug/L 97
18) Methyl tert-butyl Ether	2.79	73	689599	50.766	ug/L 99
19) 1,1-Dichloroethane	3.22	63	374285	50.319	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	224955	50.159	ug/L # 97
22) 2-Butanone	4.01	43	302707	99.138	ug/L 96

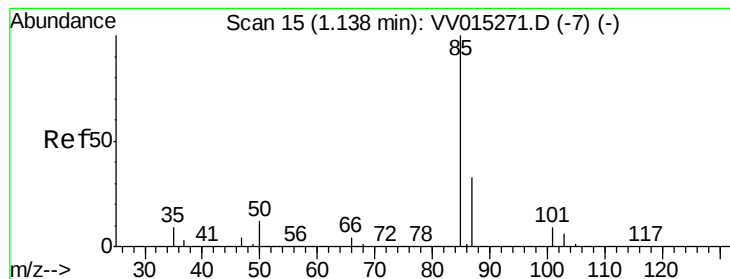
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033020\
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 Quant Title : VOC Analysis
 QLast Update : Tue Mar 31 02:12:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	107894	48.871	uq/L	98
25) Chloroform	4.41	83	403431	50.798	uq/L	97
27) 1,2-Dichloroethane	5.16	62	316564	50.116	uq/L	99
29) Cyclohexane	4.70	56	332605	48.404	uq/L	99
30) 1,1,1-Trichloroethane	4.64	97	361491	49.216	uq/L	98
31) Carbon tetrachloride	4.86	117	304022	48.860	uq/L	99
33) Benzene	5.13	78	859236	50.103	uq/L	100
34) Trichloroethene	5.94	95	226111	49.149	uq/L	98
35) Methylcyclohexane	6.15	83	355587	49.279	uq/L	99
37) 1,2-Dichloropropane	6.20	63	216194	49.562	uq/L	100
38) Bromodichloromethane	6.53	83	315662	50.322	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	348416	47.295	uq/L	99
40) 4-Methyl-2-pentanone	7.25	43	638815	98.495	uq/L	99
42) Toluene	7.41	91	979651	50.886	uq/L	98
44) trans-1,3-Dichloropropene	7.67	75	358475	49.524	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	225498	51.315	uq/L	98
46) Tetrachloroethene	8.00	164	152148	49.979	uq/L	94
48) 2-Hexanone	8.16	43	505745	101.646	uq/L	99
49) Dibromochloromethane	8.27	129	242592	50.512	uq/L	97
50) 1,2-Dibromoethane	8.37	107	240520	50.374	uq/L	99
51) Chlorobenzene	8.90	112	631308	50.386	uq/L	98
52) Ethylbenzene	9.03	91	1114108	51.319	uq/L	99
53) m,p-Xylene	9.16	106	433030	52.295	uq/L	96
54) o-xylene	9.57	106	428947	52.072	uq/L	99
55) Styrene	9.58	104	725633	51.621	uq/L	99
56) Isopropylbenzene	9.95	105	1112891	51.323	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	374785	51.390	uq/L	99
59) 1,2,3-Trichloropropane	10.30	75	303309	50.256	uq/L	98
61) Bromoform	9.75	173	155203	51.271	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	469903	50.761	uq/L	99
63) 1,4-Dichlorobenzene	11.30	146	464709	49.182	uq/L	98
65) 1,2-Dichlorobenzene	11.67	146	472392	50.569	uq/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	99223	48.276	uq/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	296305	50.151	uq/L	98
68) 1,2,4-trichlorobenzene	13.29	180	276733	49.295	uq/L	98
69) Naphthalene	13.53	128	1134845	50.712	uq/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	287364	51.004	uq/L	100

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



#2

Dichlorodifluoromethane

Concen: 50.823 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

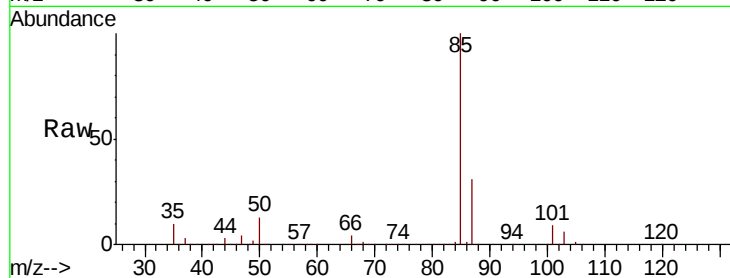
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 230165

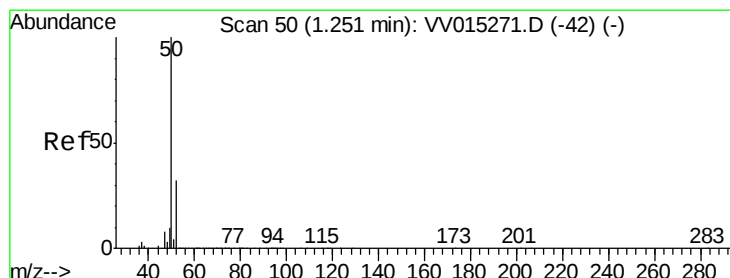
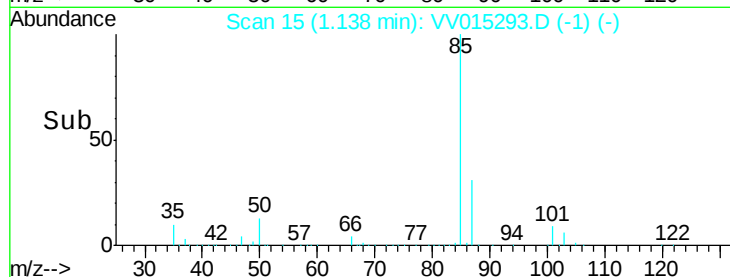
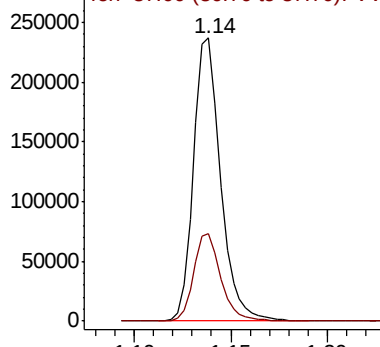
Ion Ratio Lower Upper

85 100

87 30.9 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 48.427 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV015293.D

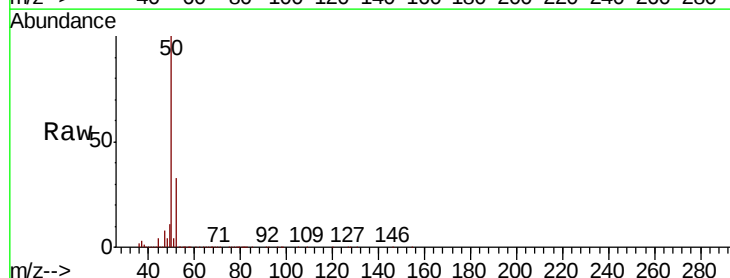
Acq: 31 Mar 2020 00:09

Tgt Ion: 50 Resp: 249060

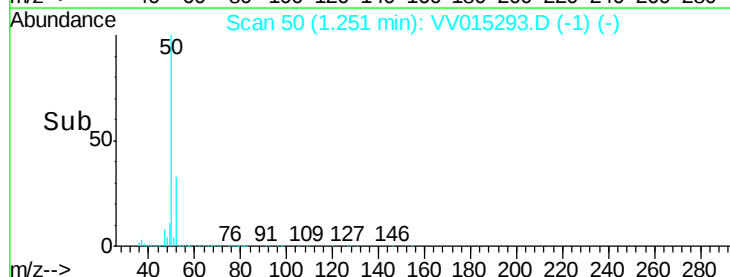
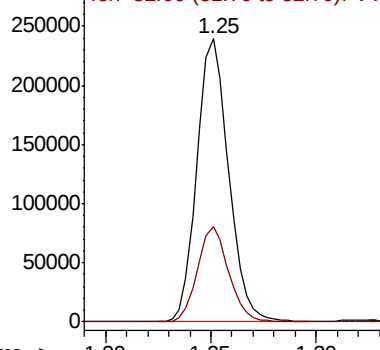
Ion Ratio Lower Upper

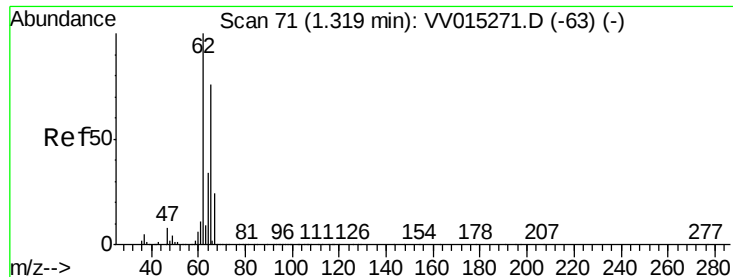
50 100

52 33.4 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0
Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 49.406 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

Instrument :

MSVOA_V

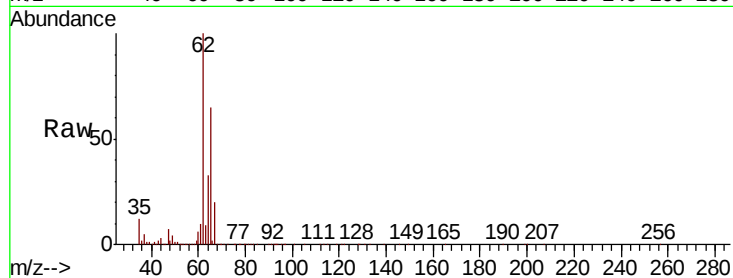
ClientSampleId :

Tot Ion: 62 Resp: 268062

Ion Ratio Lower Upper

62 100

64 33.4 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

250000

200000

150000

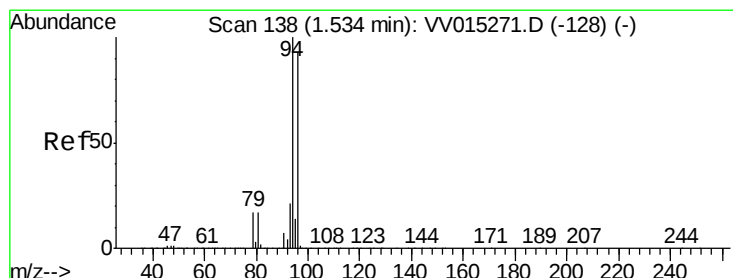
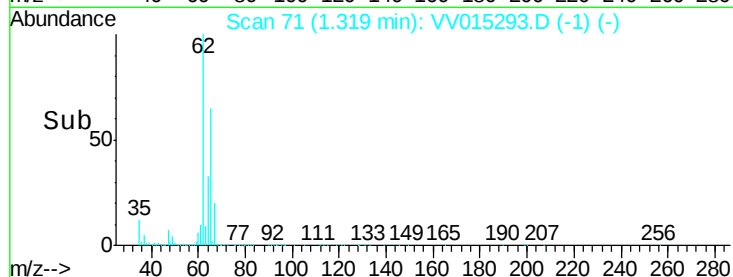
100000

50000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 47.296 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015293.D

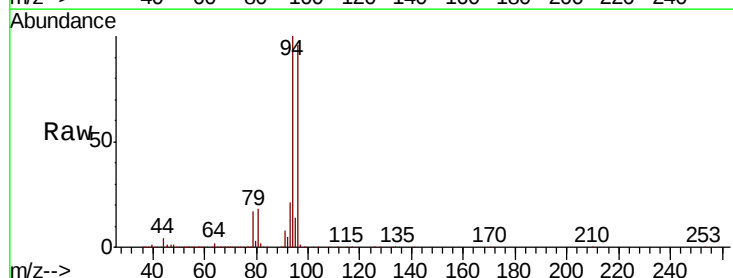
Acq: 31 Mar 2020 00:09

Tgt Ion: 94 Resp: 171664

Ion Ratio Lower Upper

94 100

96 95.5 63.7 118.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

150000

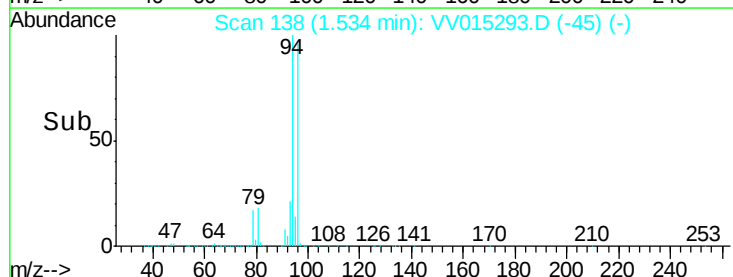
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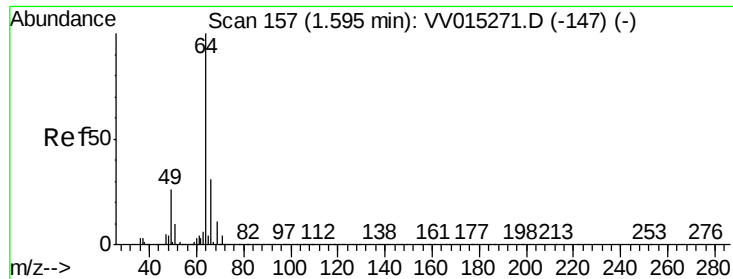
50000

0

1.50 1.55 1.60

Time-->

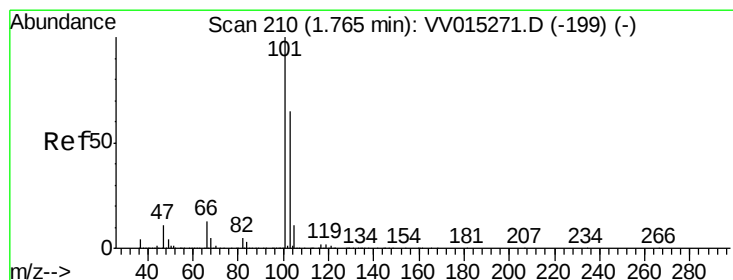
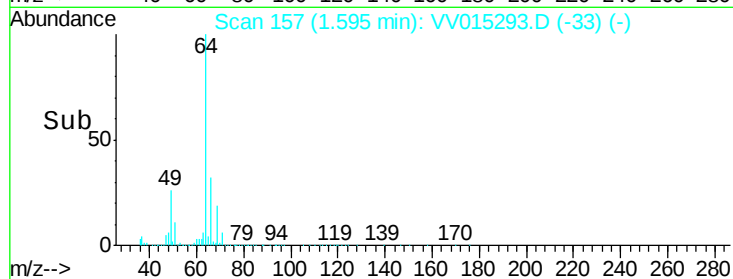
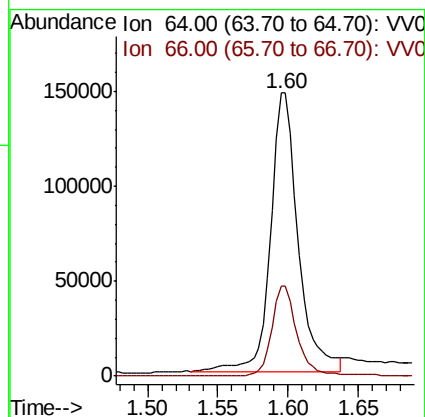
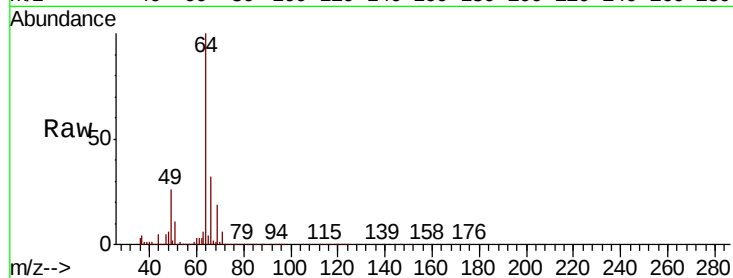




#8
Chloroethane
Concen: 53.301 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV015293.D
Acq: 31 Mar 2020 00:09

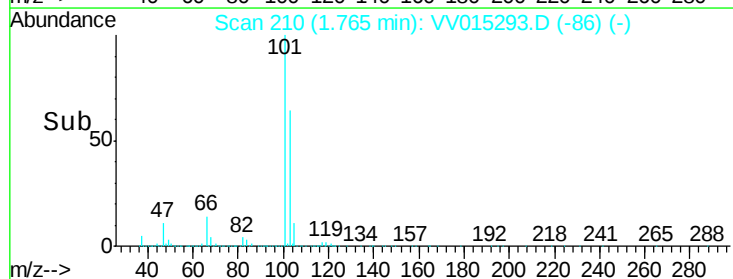
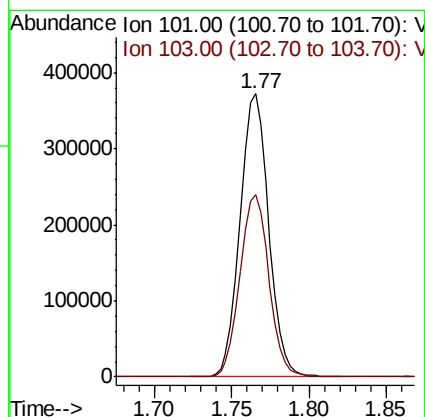
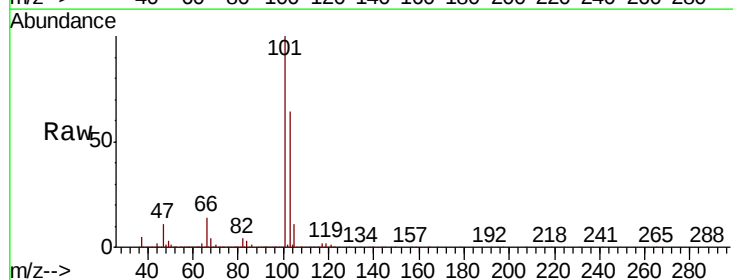
Instrument :
MSVOA_V
ClientSampleId :

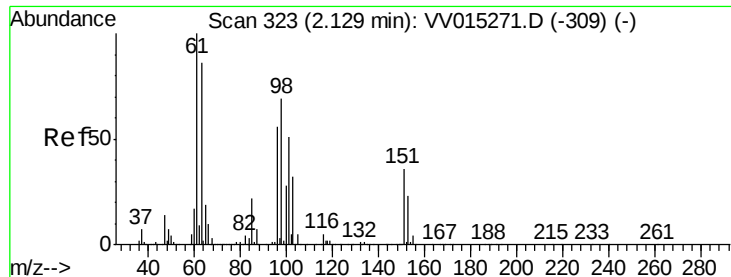
Tot Ion: 64 Resp: 199426
Ion Ratio Lower Upper
64 100
66 31.9 21.5 39.9



#9
Trichlorofluoromethane
Concen: 52.135 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV015293.D
Acq: 31 Mar 2020 00:09

Tgt Ion: 101 Resp: 478147
Ion Ratio Lower Upper
101 100
103 65.2 51.3 76.9





#10

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

Concen: 47.295 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

Instrument :

MSVOA_V

ClientSampleId :

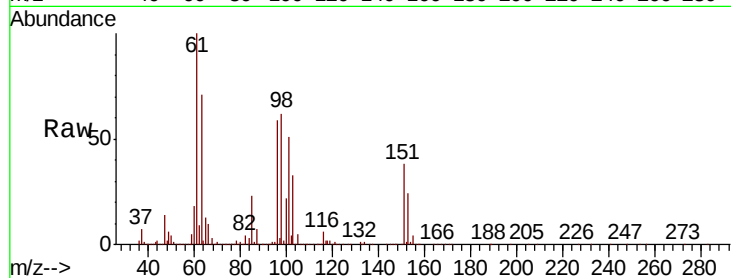
Tot Ion:101 Resp: 232594

Ion Ratio Lower Upper

101 100

85 44.1 35.0 52.6

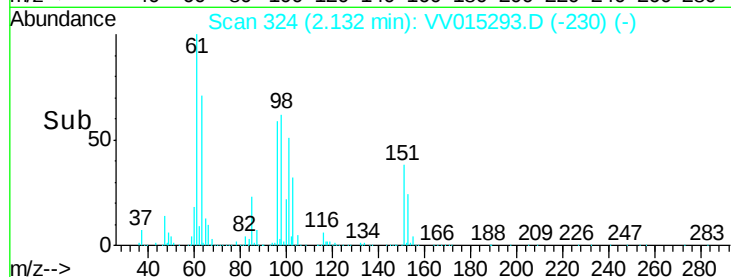
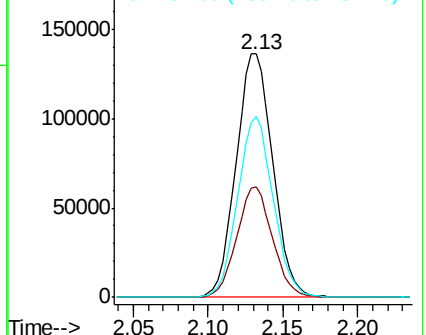
151 71.9 58.2 87.4



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: 46.983 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

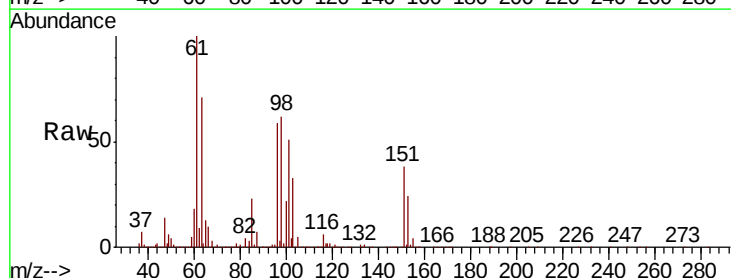
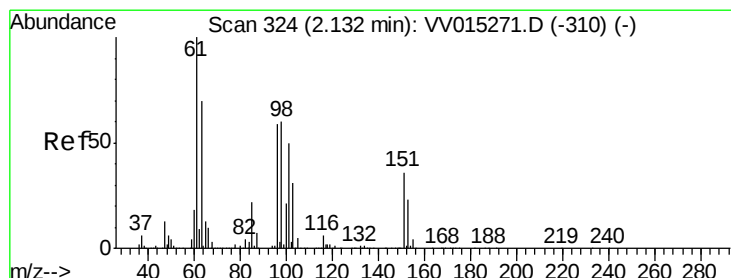
Tgt Ion: 96 Resp: 223685

Ion Ratio Lower Upper

96 100

61 169.1 120.9 224.5

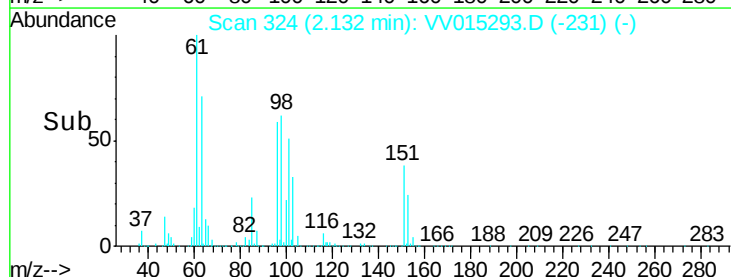
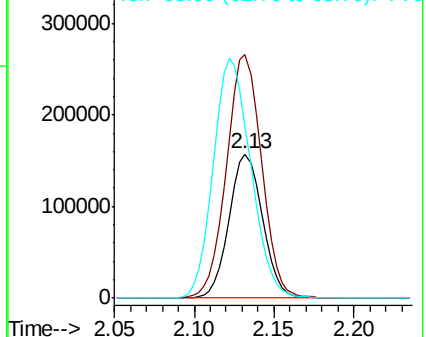
63 119.6 81.2 150.8

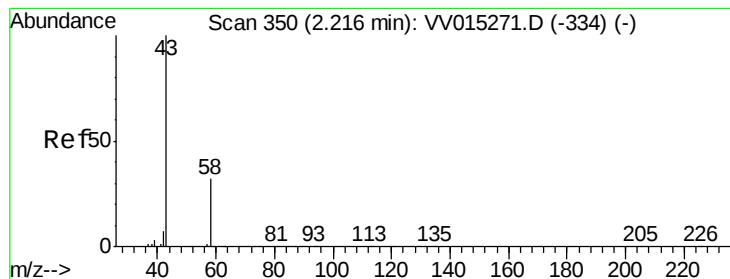


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 89.997 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

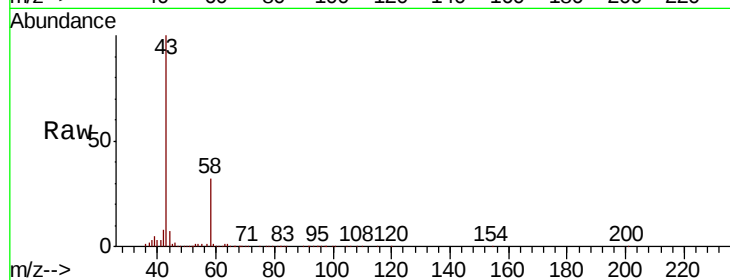
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 188506

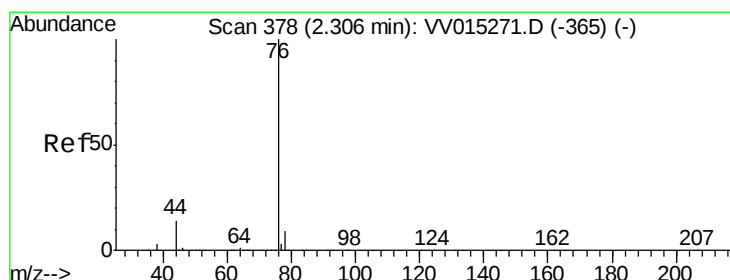
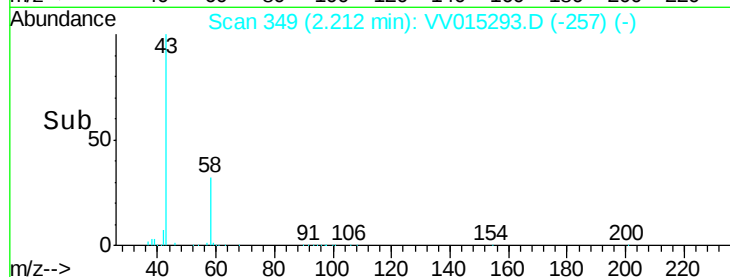
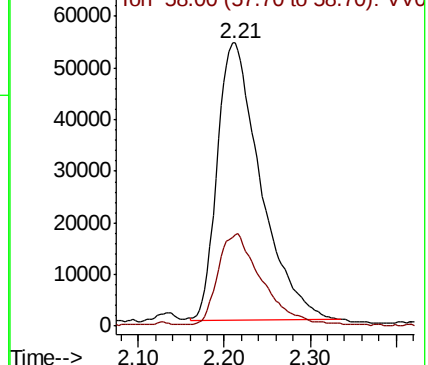
Ion Ratio Lower Upper

43 100

58 32.7 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV015293.D (-257) (-)



#14

Carbon disulfide

Concen: 45.802 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV015293.D

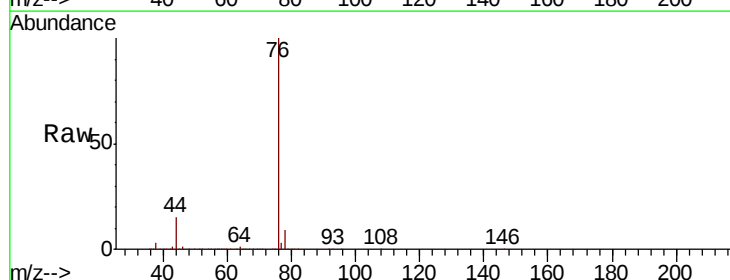
Acq: 31 Mar 2020 00:09

Tgt Ion: 76 Resp: 530642

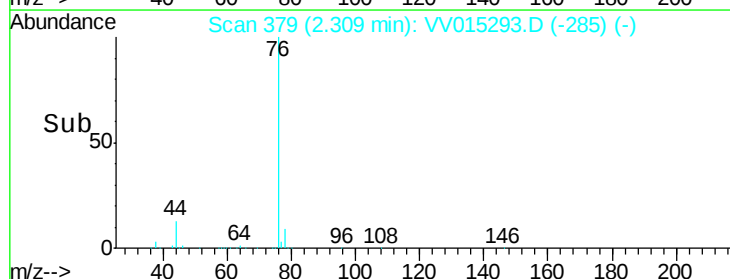
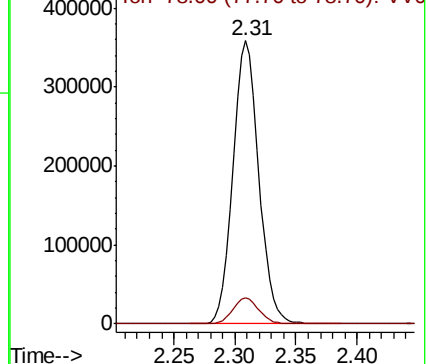
Ion Ratio Lower Upper

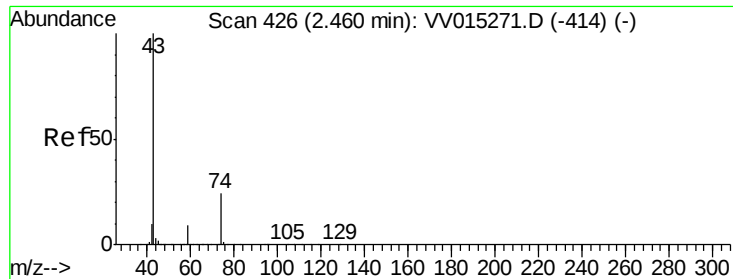
76 100

78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV015293.D (-285) (-)

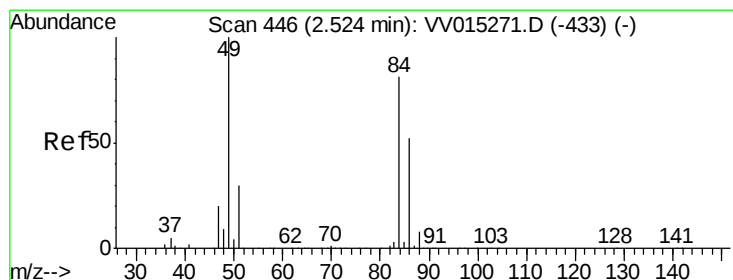
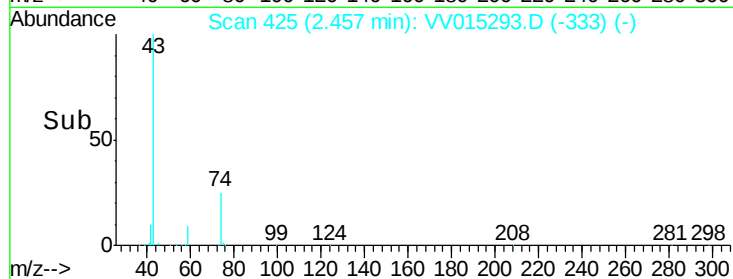
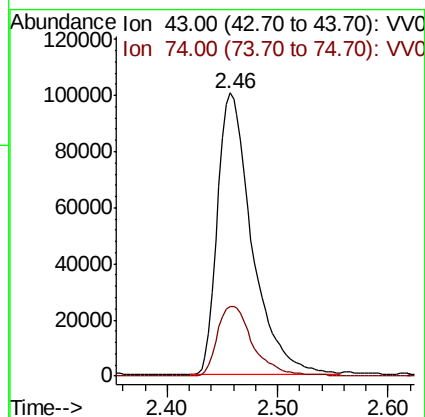
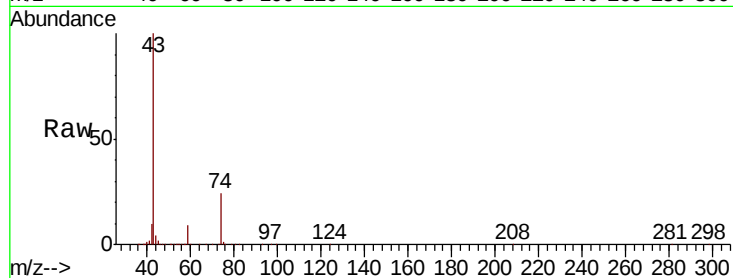




#15
Methvl Acetate
Concen: 51.986 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV015293.D
Acq: 31 Mar 2020 00:09

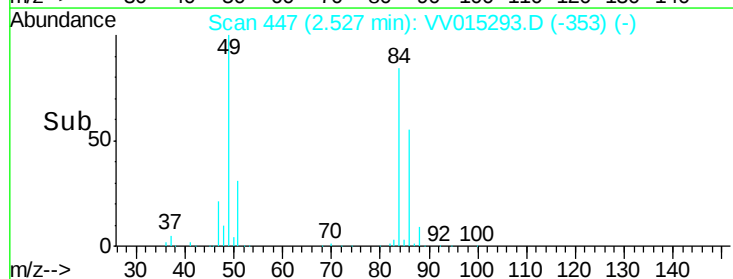
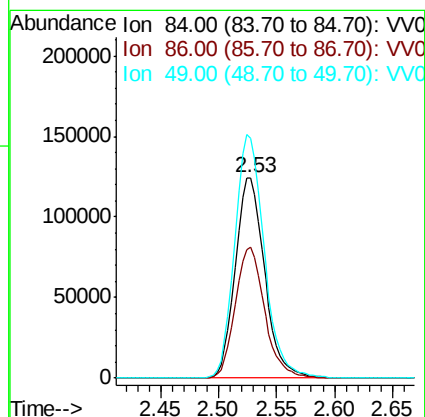
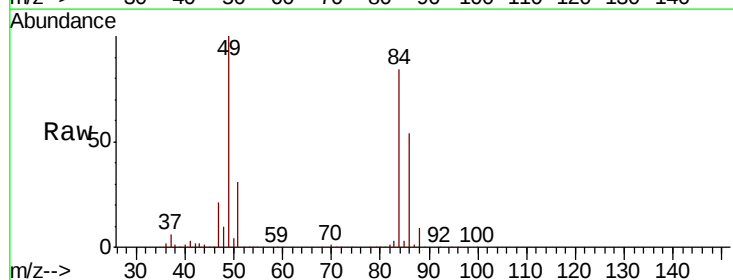
Instrument :
MSVOA_V
ClientSampled :

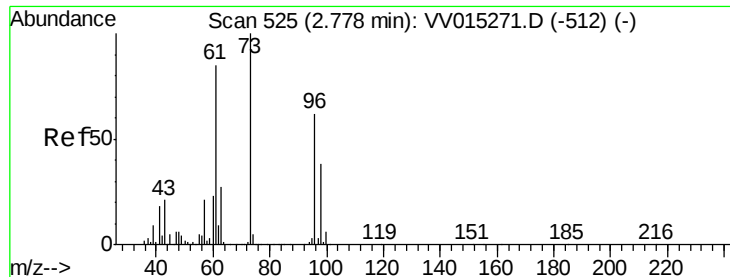
Tot Ion: 43 Resp: 218646
Ion Ratio Lower Upper
43 100
74 25.4 20.3 30.5



#16
Methylene chloride
Concen: 48.817 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV015293.D
Acq: 31 Mar 2020 00:09

Tgt Ion: 84 Resp: 217440
Ion Ratio Lower Upper
84 100
86 65.1 45.5 84.5
49 119.5 83.7 155.4





#17

trans-1,2-Dichloroethene

Concen: 48.537 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

Instrument :
MSVOA_V
ClientSampleId :

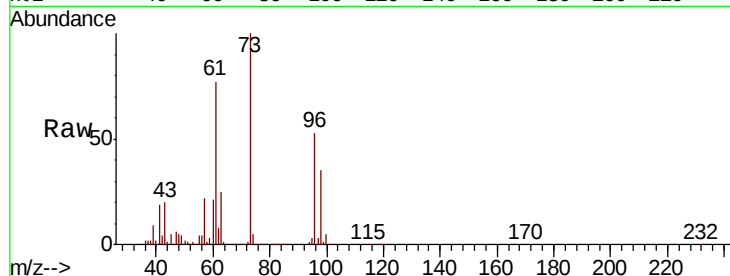
Tot Ion: 96 Resp: 193646

Ion Ratio Lower Upper

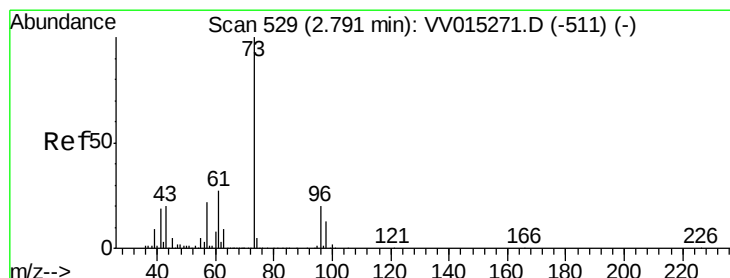
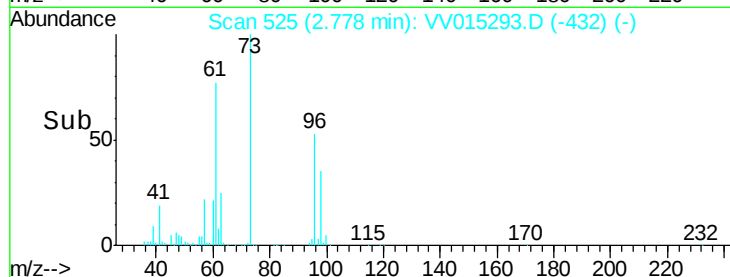
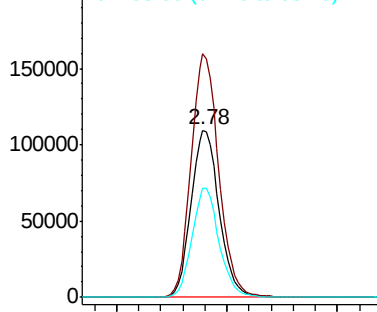
96 100

61 145.4 98.5 182.9

98 65.0 45.5 84.5



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



#18

Methyl tert-butyl Ether

Concen: 50.766 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

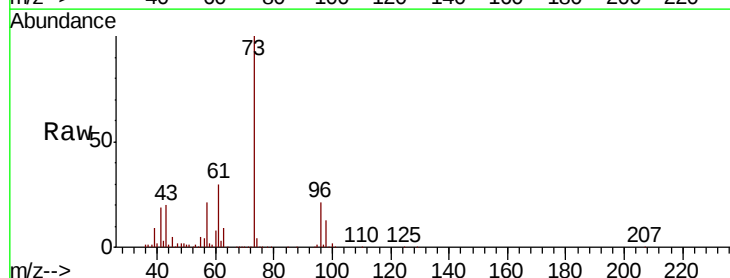
Tgt Ion: 73 Resp: 689599

Ion Ratio Lower Upper

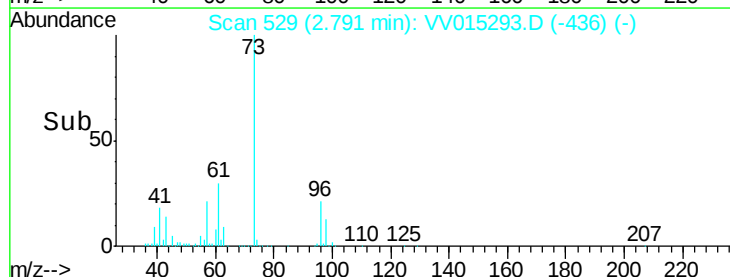
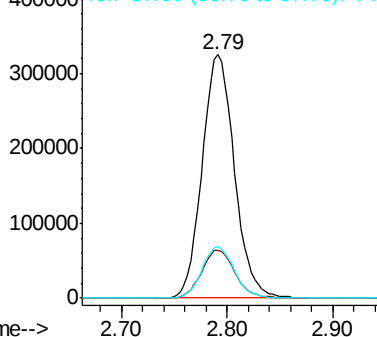
73 100

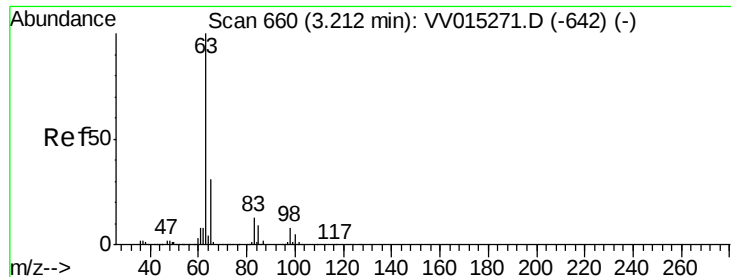
43 20.0 15.7 23.5

57 21.2 16.6 25.0



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





#19

1,1-Dichloroethane

Concen: 50.319 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

Instrument :

MSVOA_V

ClientSampleId :

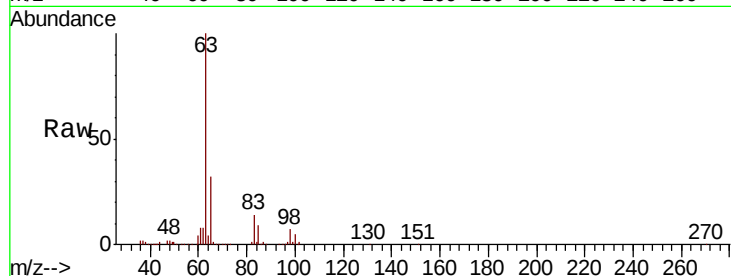
Tot Ion: 63 Resp: 374285

Ion Ratio Lower Upper

63 100

65 32.2 22.2 41.2

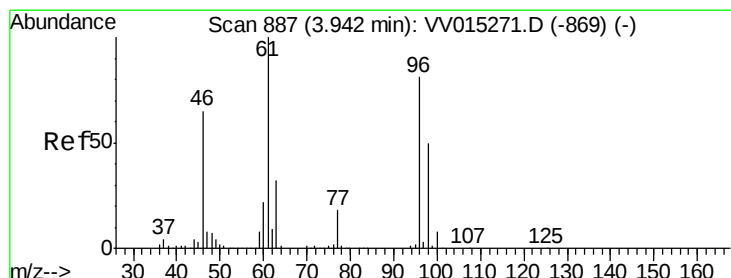
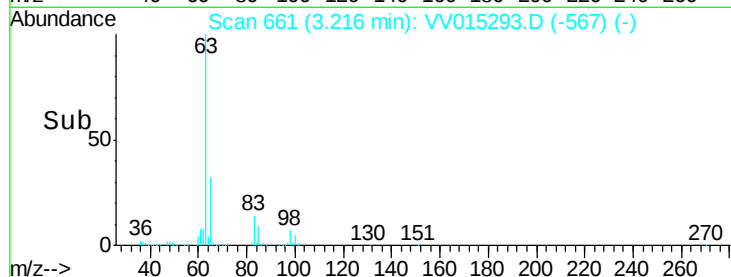
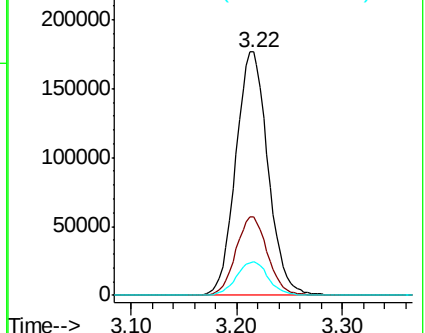
83 13.7 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 50.159 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

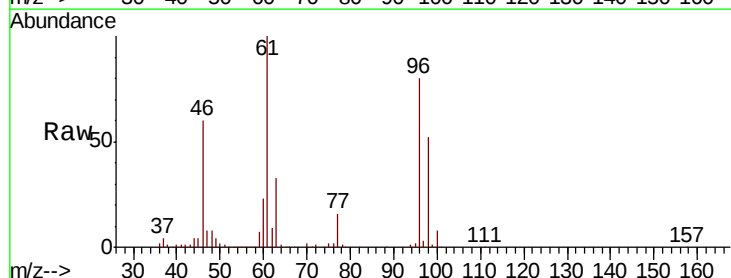
Tgt Ion: 96 Resp: 224955

Ion Ratio Lower Upper

96 100

61 125.1 90.2 167.6

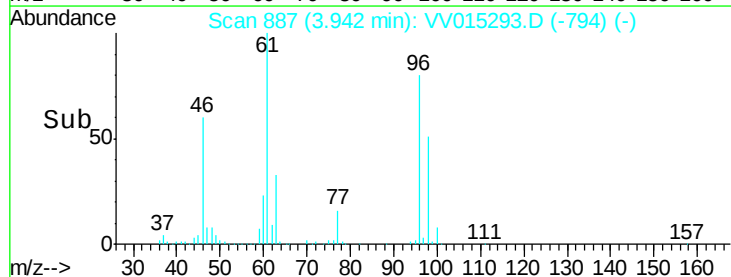
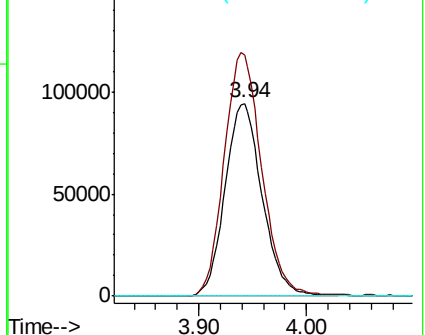
68 0.0 0.1 0.1#

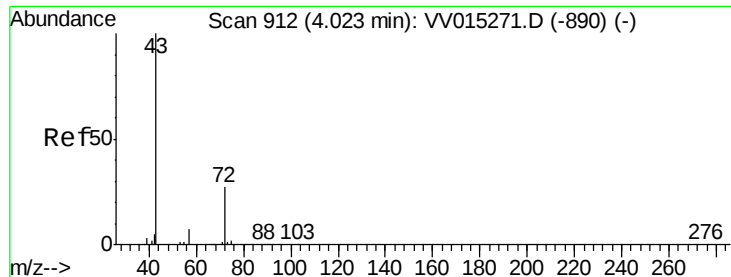


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 99.138 ug/L

RT: 4.01 min Scan# 909

Delta R.T. -0.01 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

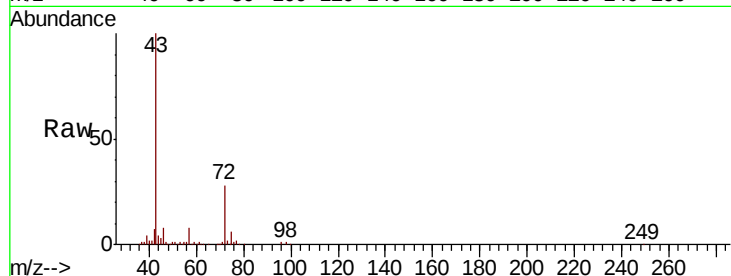
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 302707

Ion Ratio Lower Upper

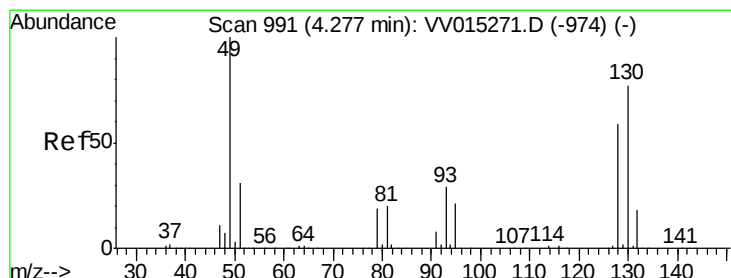
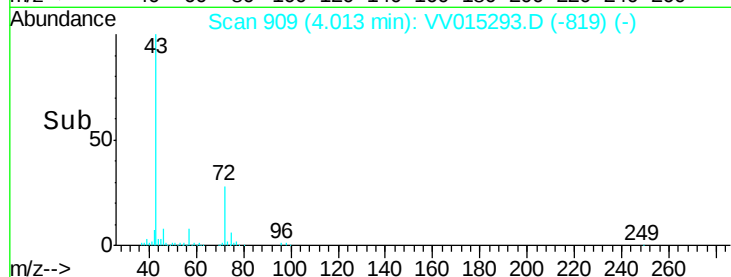
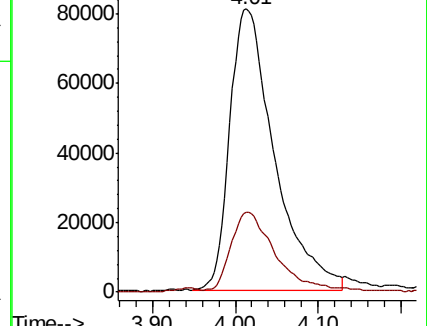
43 100

72 26.8 12.4 37.0



Abundance Ion 43.00 (42.70 to 43.70): VV015271.D (-890) (-)

Ion 72.00 (71.70 to 72.70): VV015271.D (-890) (-)



#23

Bromochloromethane

Concen: 48.871 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

Tgt Ion: 128 Resp: 107894

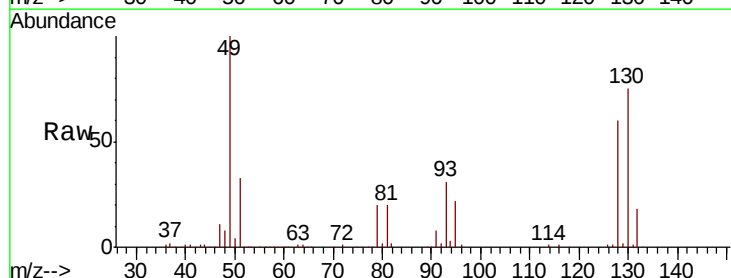
Ion Ratio Lower Upper

128 100

49 167.0 116.3 216.1

130 125.9 91.1 169.3

51 54.4 41.2 61.8

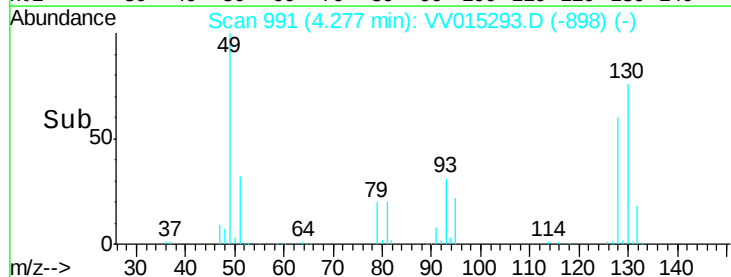
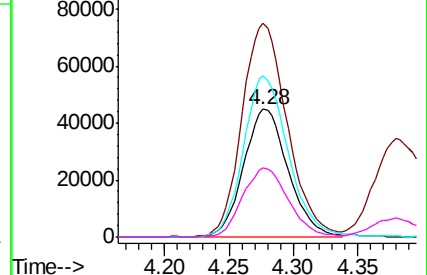


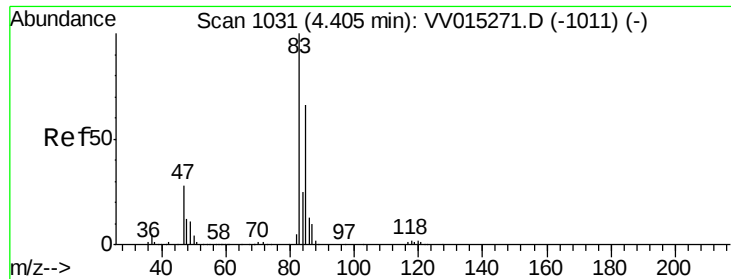
Abundance Ion 128.00 (127.70 to 128.70): VV015293.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV015271.D (-974) (-)

Ion 130.00 (129.70 to 130.70): VV015271.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VV015271.D (-974) (-)

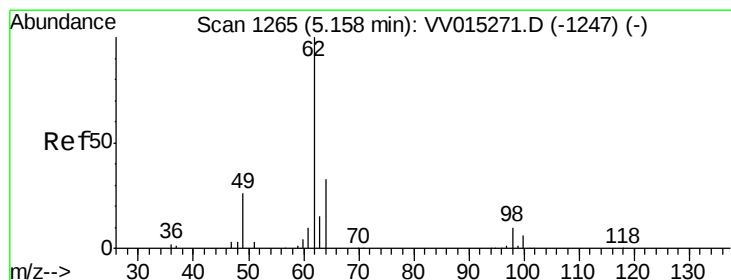
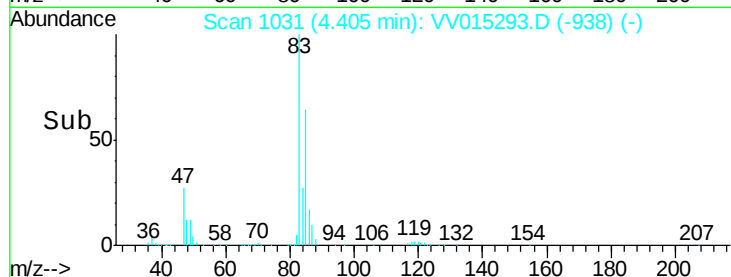
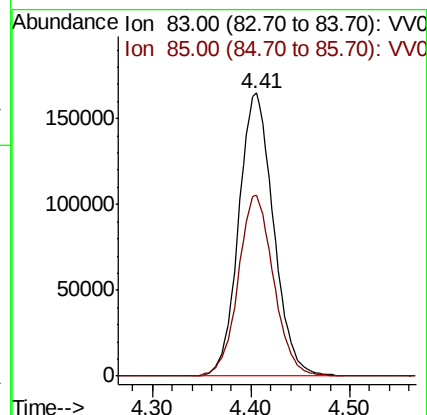
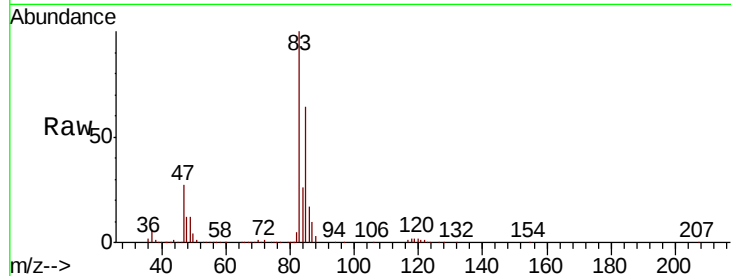




#25
Chloroform
Concen: 50.798 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015293.D
Acq: 31 Mar 2020 00:09

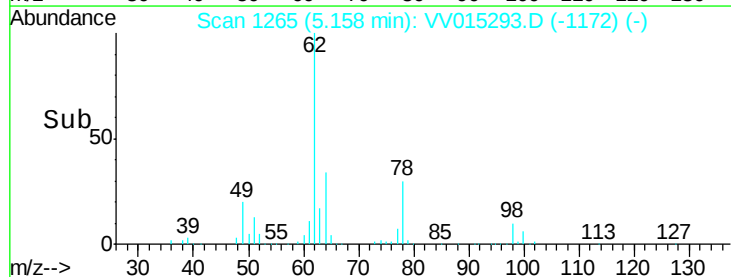
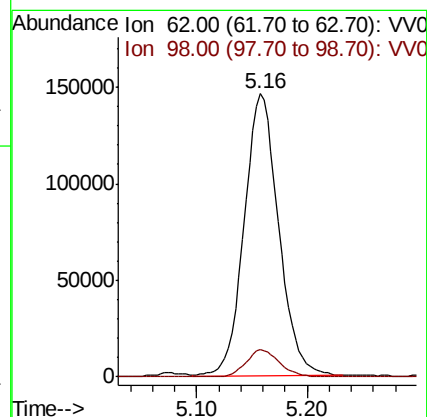
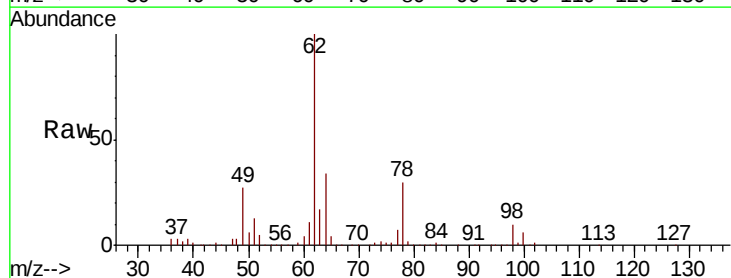
Instrument :
MSVOA_V
ClientSampleId :

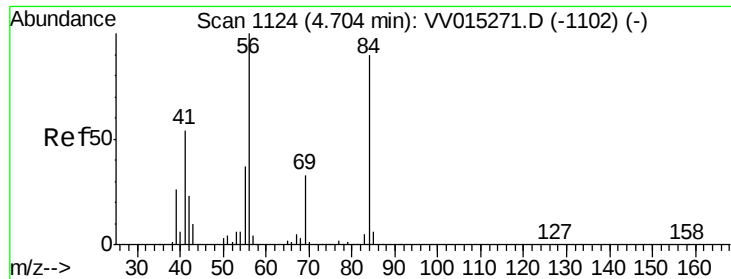
Tot Ion: 83 Resp: 403431
Ion Ratio Lower Upper
83 100
85 63.8 46.6 86.6



#27
1,2-Dichloroethane
Concen: 50.116 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015293.D
Acq: 31 Mar 2020 00:09

Tgt Ion: 62 Resp: 316564
Ion Ratio Lower Upper
62 100
98 9.6 7.4 11.0

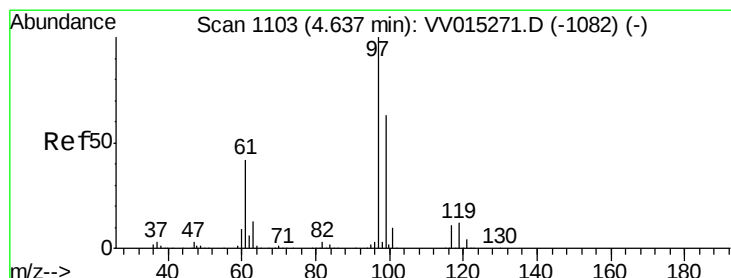
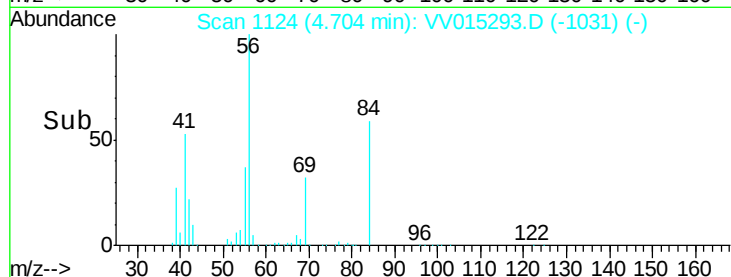
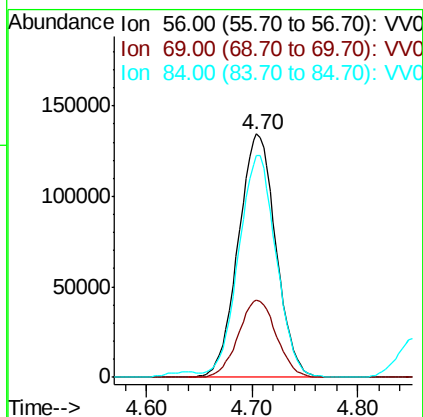
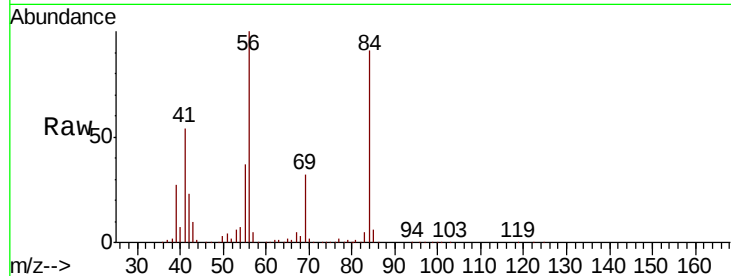




#29
Cyclohexane
Concen: 48.404 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV015293.D
Acq: 31 Mar 2020 00:09

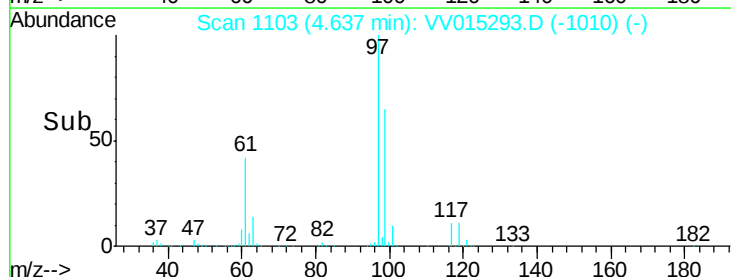
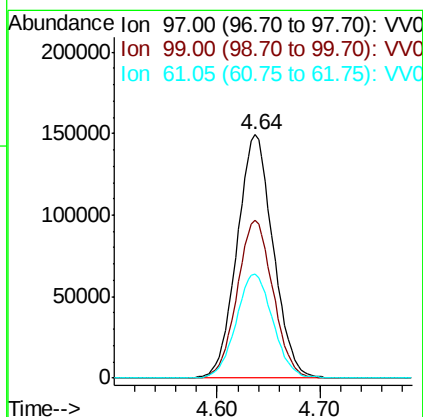
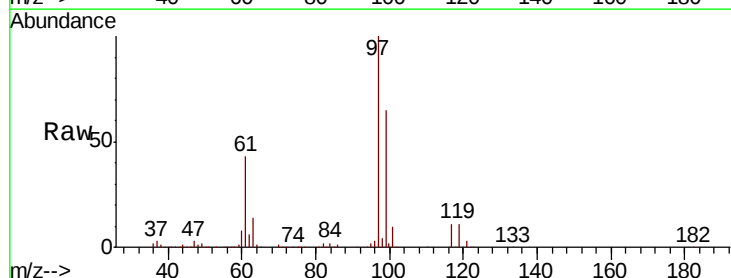
Instrument :
MSVOA_V
ClientSampleId :

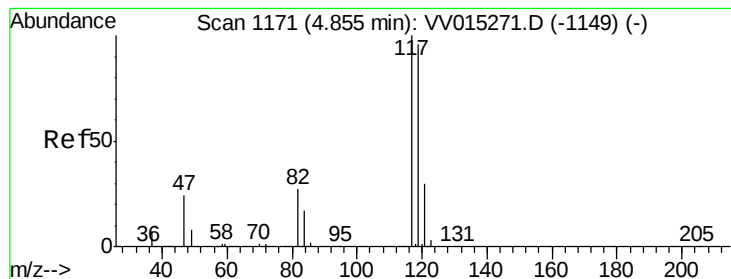
Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.3	37.9
84	91.2	72.7	109.1



#30
1,1,1-Trichloroethane
Concen: 49.216 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV015293.D
Acq: 31 Mar 2020 00:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.9	76.3
61	44.0	34.3	51.5





#31

Carbon tetrachloride

Concen: 48.860 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

Instrument :

MSVOA_V

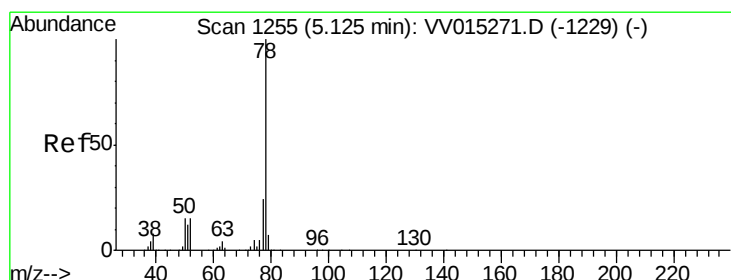
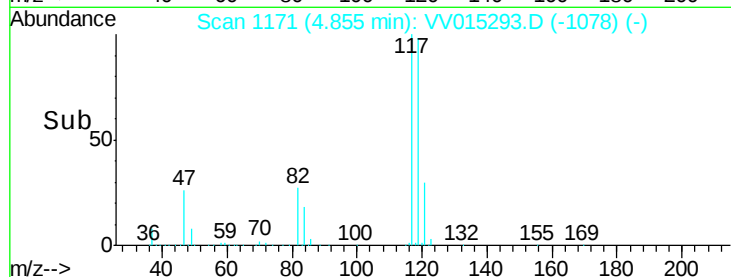
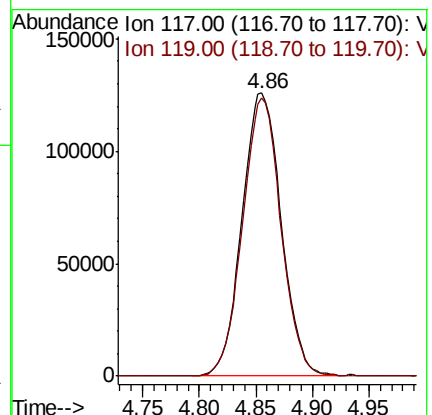
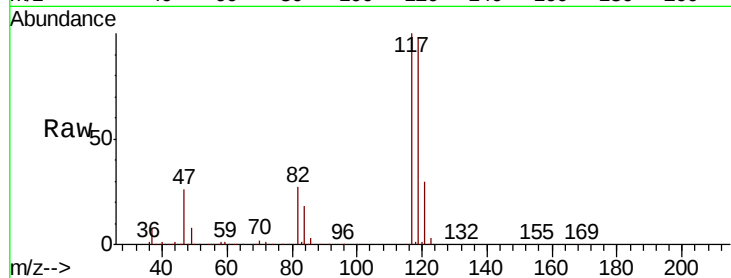
ClientSampleId :

Tot Ion:117 Resp: 304022

Ion Ratio Lower Upper

117 100

119 96.1 75.8 113.8



#33

Benzene

Concen: 50.103 ug/L

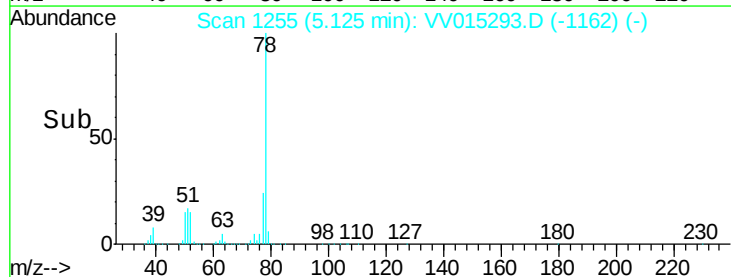
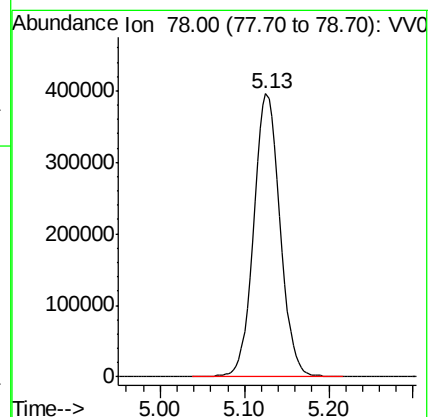
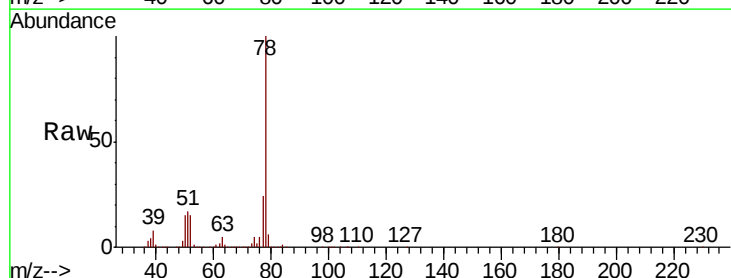
RT: 5.13 min Scan# 1255

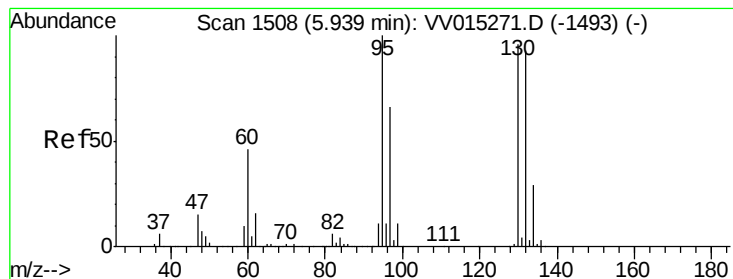
Delta R.T. 0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

Tgt Ion: 78 Resp: 859236





#34

Trichloroethene

Concen: 49.149 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 226111

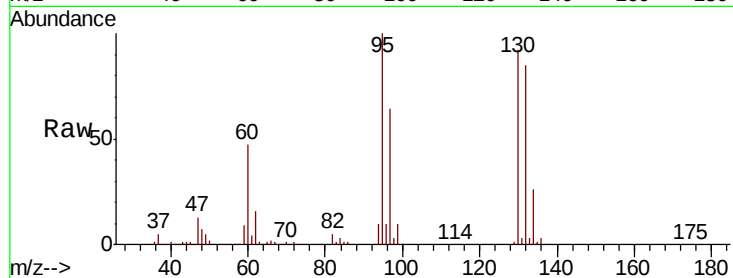
Ion Ratio Lower Upper

95 100

97 63.8 44.0 81.6

132 84.7 61.8 114.8

130 92.3 64.5 119.9

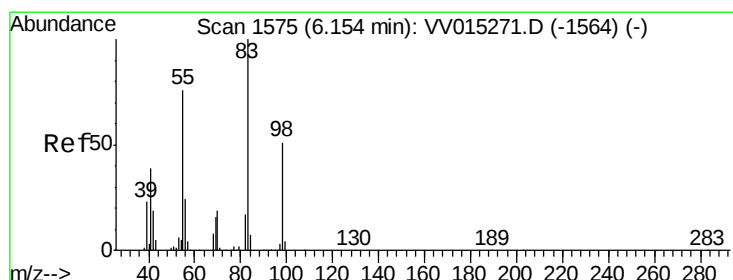
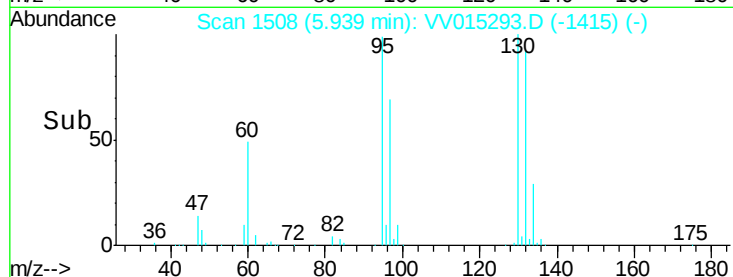
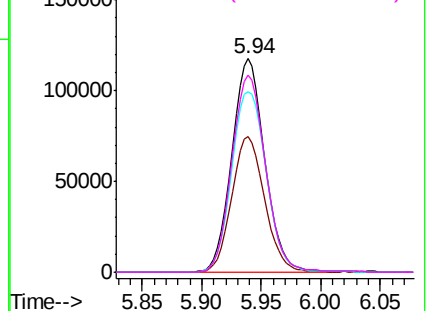


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 49.279 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

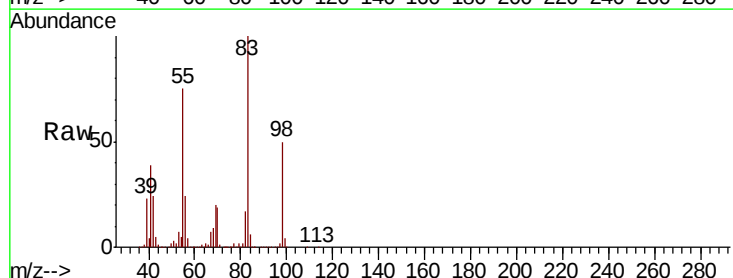
Tgt Ion: 83 Resp: 355587

Ion Ratio Lower Upper

83 100

55 73.4 59.4 89.2

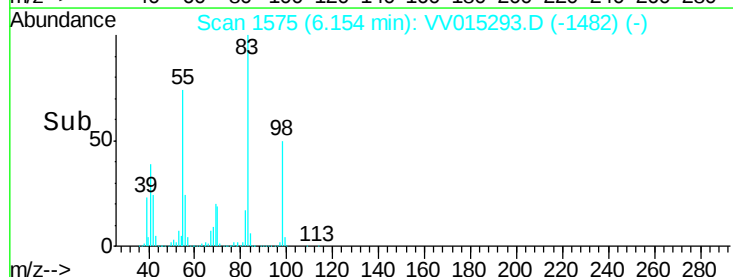
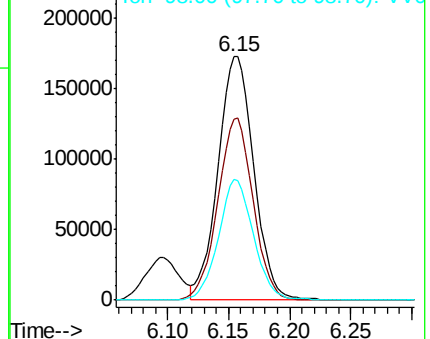
98 47.6 38.6 58.0

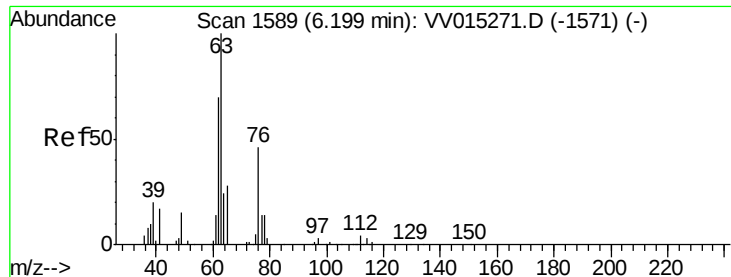


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 49.562 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

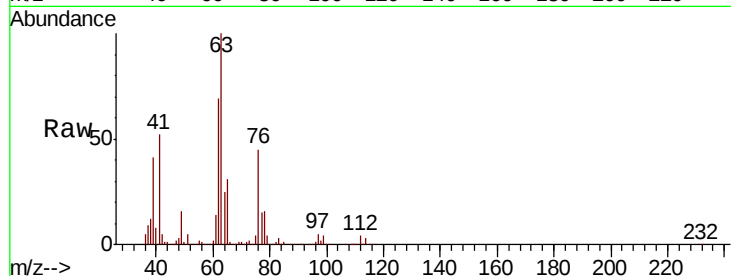
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 216194

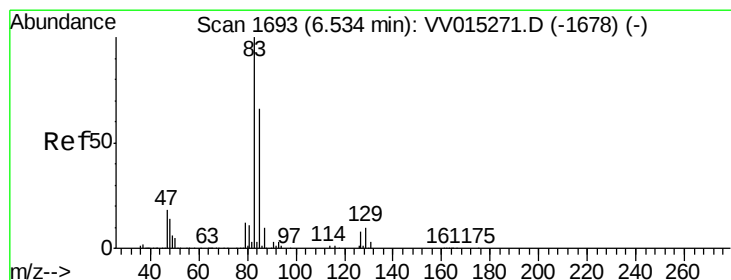
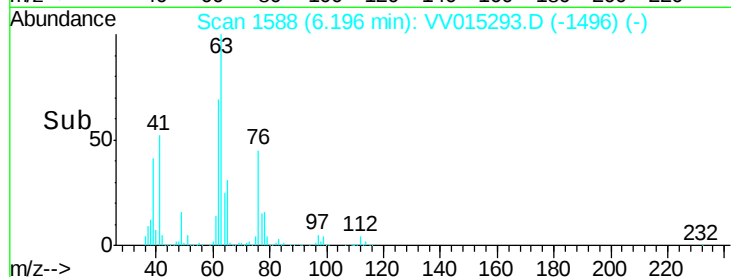
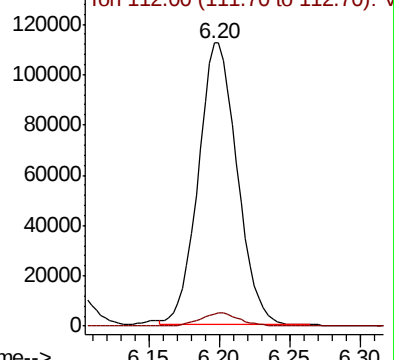
Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VV015271.D (-1571) (-)



#38

Bromodichloromethane

Concen: 50.322 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

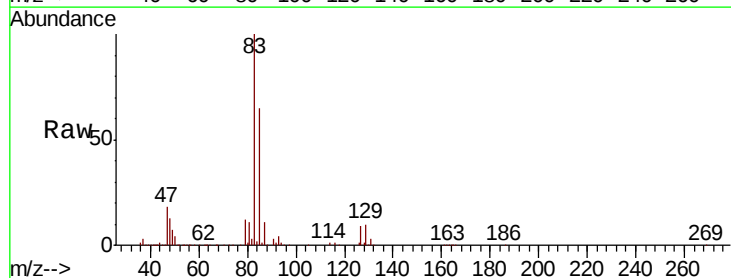
Tgt Ion: 83 Resp: 315662

Ion Ratio Lower Upper

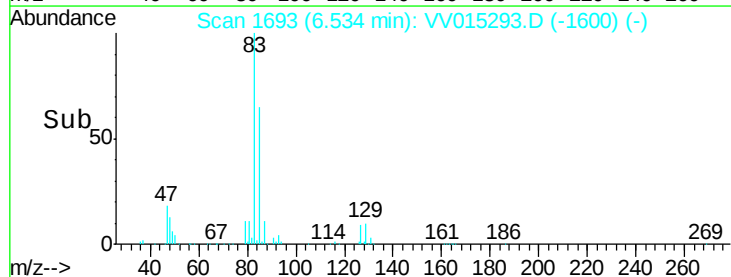
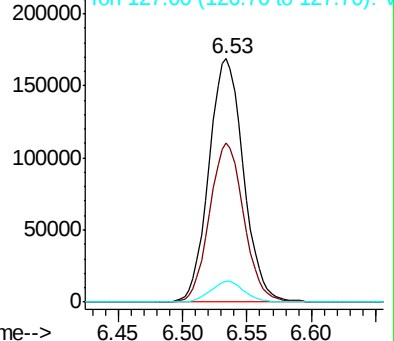
83 100

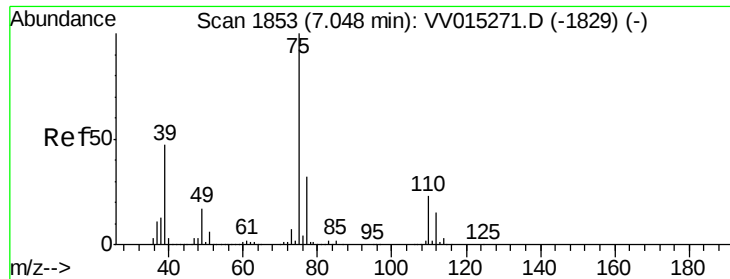
85 65.2 45.1 83.9

127 8.5 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VV015271.D (-1678) (-)

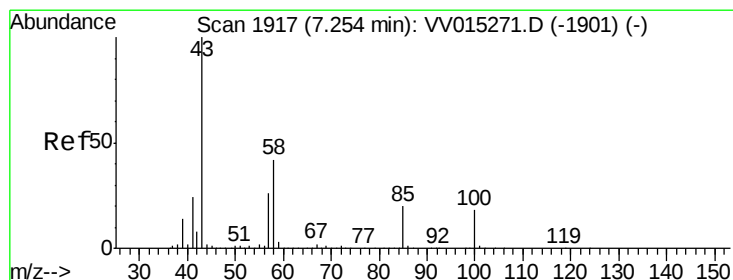
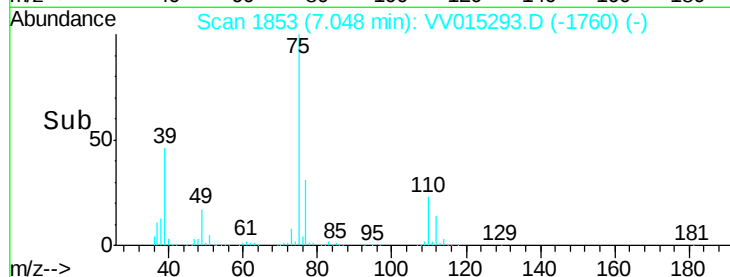
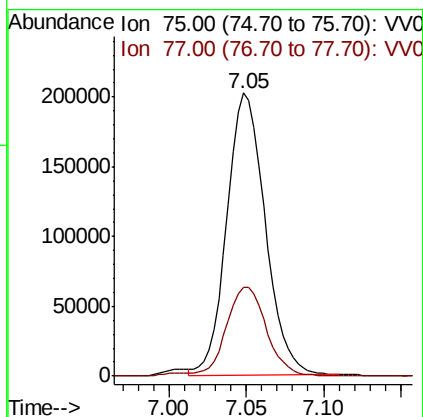
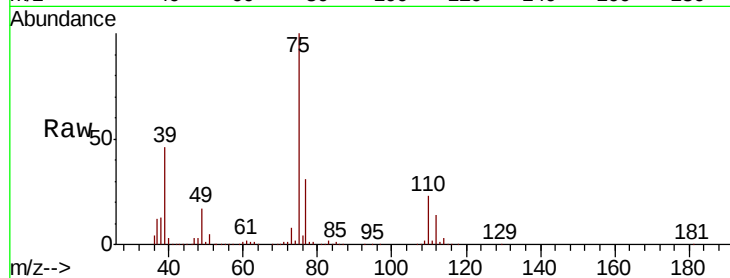




#39
 cis-1,3-Dichloropropene
 Concen: 47.295 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015293.D
 Acq: 31 Mar 2020 00:09

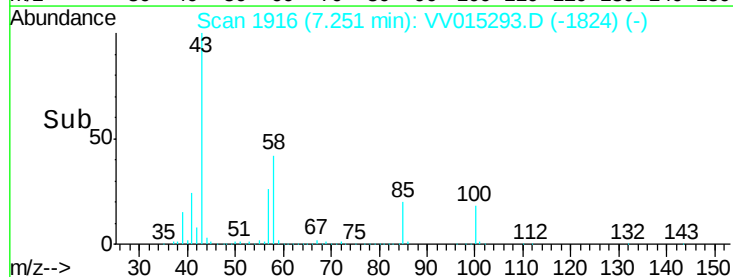
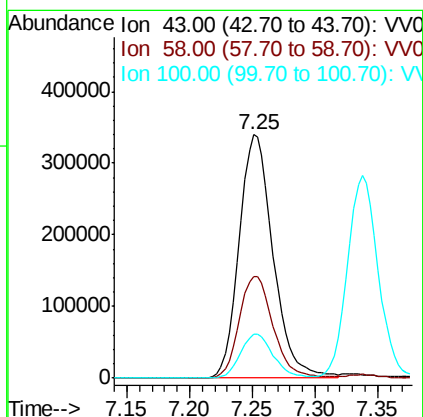
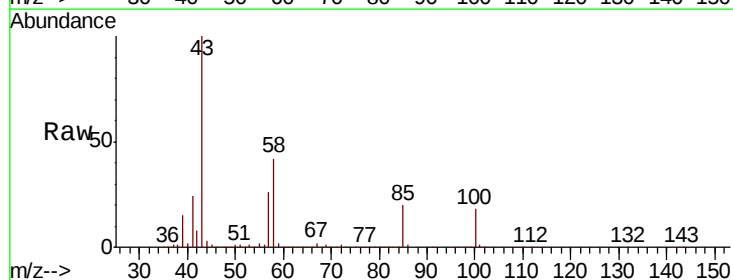
Instrument :
 MSVOA_V
 ClientSampleId :

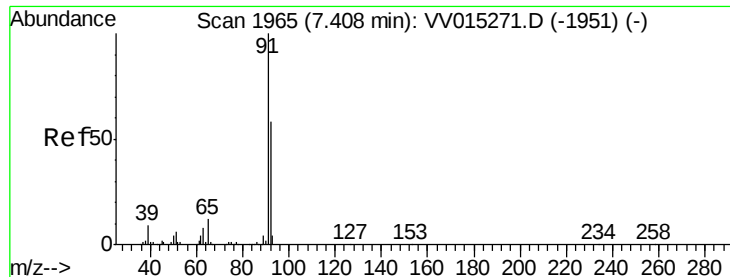
Tot Ion: 75 Resp: 348416
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 98.495 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV015293.D
 Acq: 31 Mar 2020 00:09

Tgt Ion: 43 Resp: 638815
 Ion Ratio Lower Upper
 43 100
 58 42.0 32.9 49.3
 100 17.6 13.9 20.9





#42

Toluene

Concen: 50.886 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

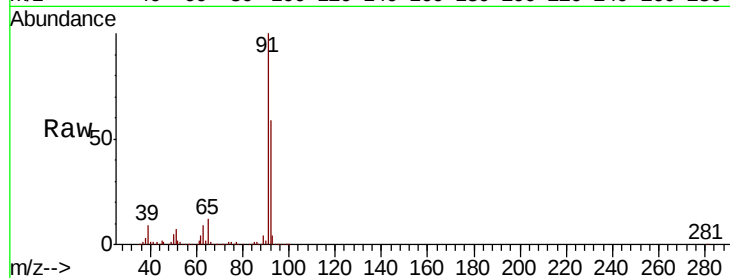
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 979651

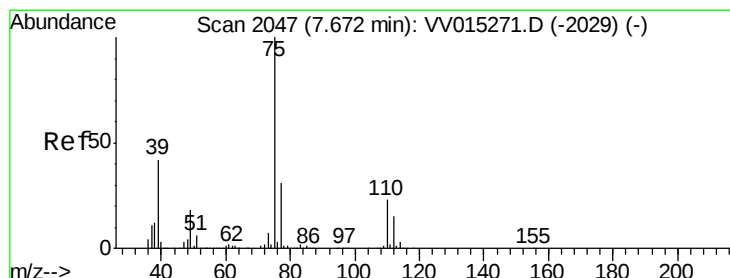
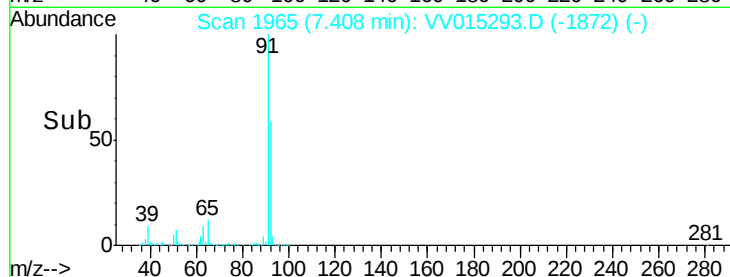
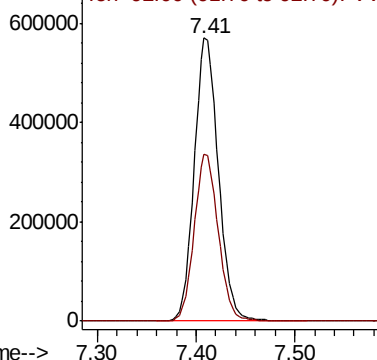
Ion Ratio Lower Upper

91 100

92 59.1 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 49.524 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015293.D

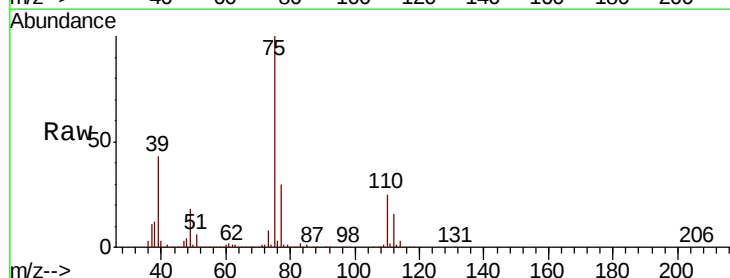
Acq: 31 Mar 2020 00:09

Tgt Ion: 75 Resp: 358475

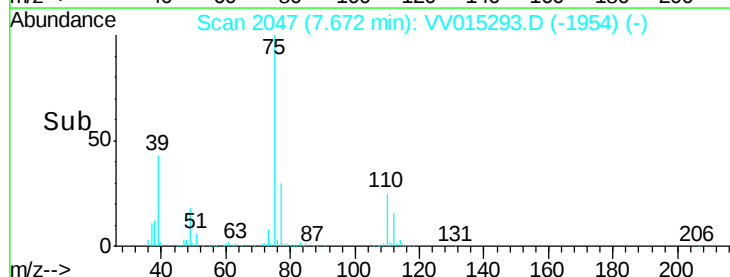
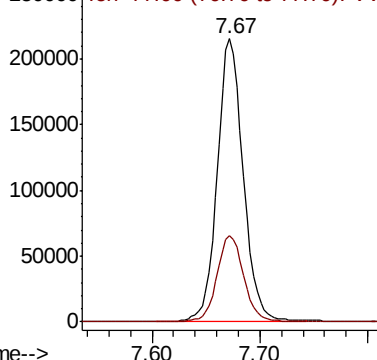
Ion Ratio Lower Upper

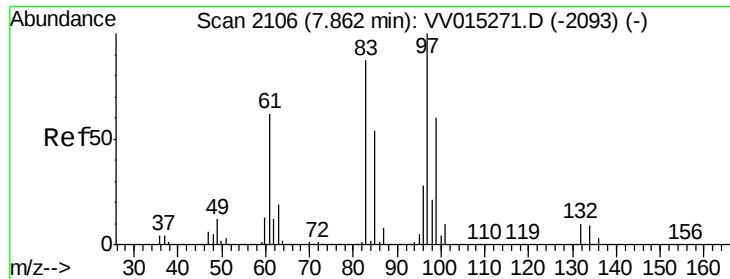
75 100

77 30.4 21.8 40.4



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

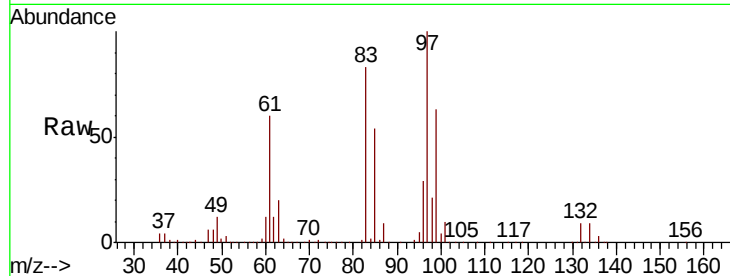




#45
 1,1,2-Trichloroethane
 Concen: 51.315 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV015293.D
 Acq: 31 Mar 2020 00:09

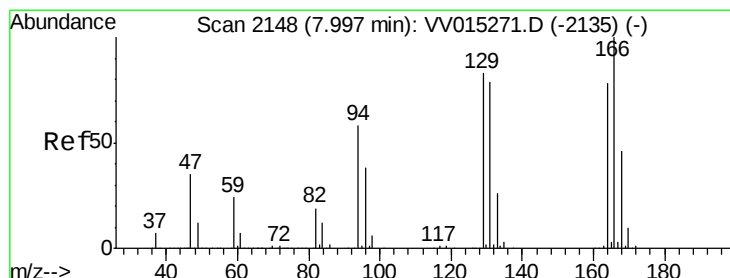
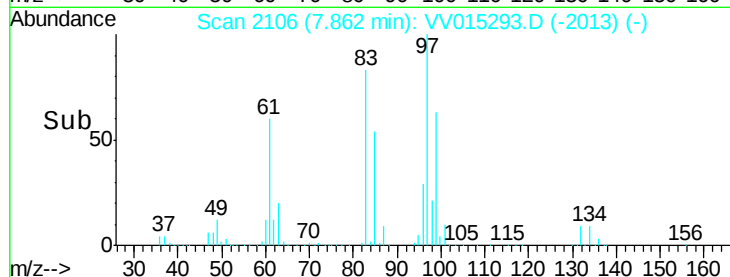
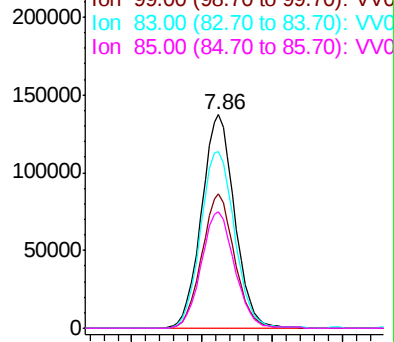
Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	225498
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.6	81.0
83	82.8	60.0	111.4
85	54.4	39.3	72.9



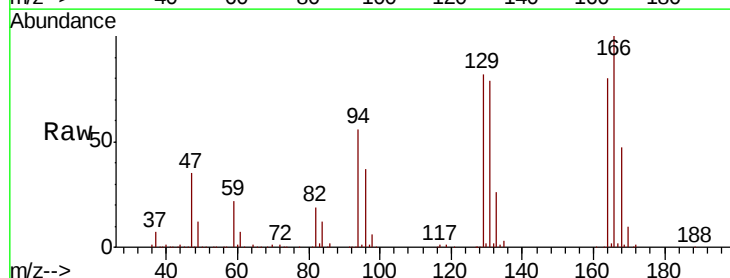
Abundance

Ion 97.00 (96.70 to 97.70): VV015293.D (-2055) (-)



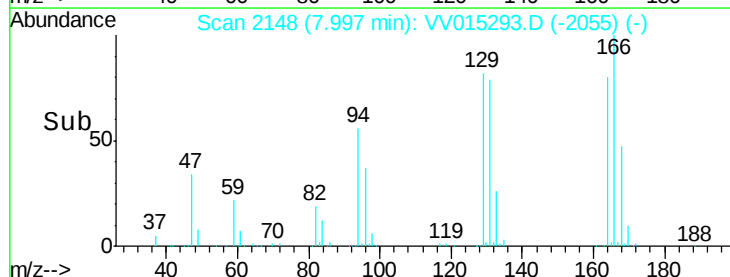
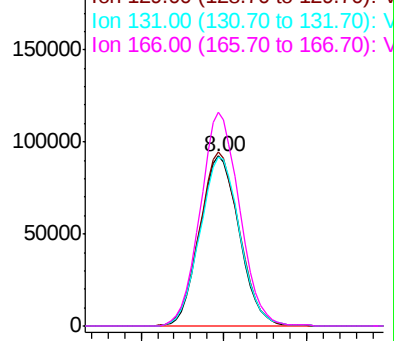
#46
 Tetrachloroethene
 Concen: 49.979 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015293.D
 Acq: 31 Mar 2020 00:09

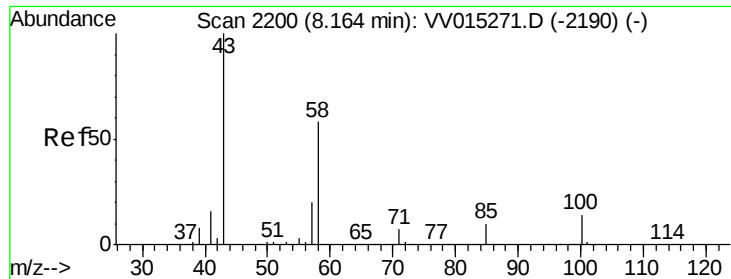
Tgt Ion:	164	Resp:	152148
Ion	Ratio	Lower	Upper
164	100		
129	102.7	77.8	144.4
131	99.4	73.9	137.3
166	125.6	91.7	170.3



Abundance

Ion 164.00 (163.70 to 164.70): VV015293.D (-2055) (-)

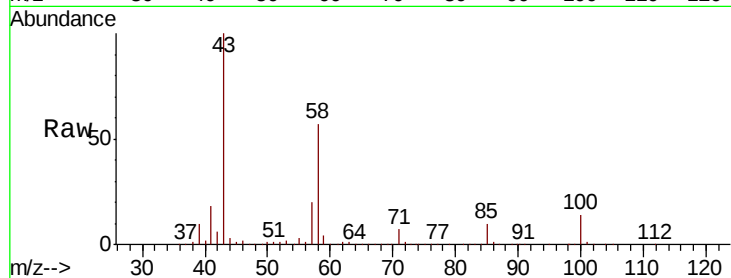




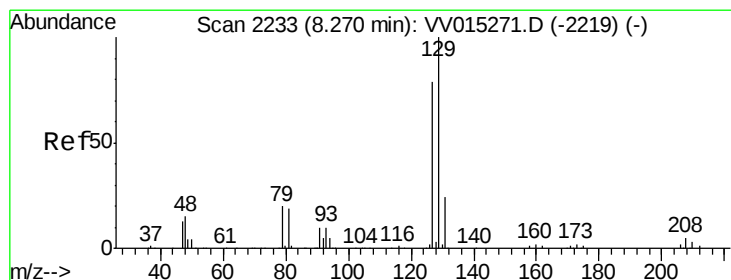
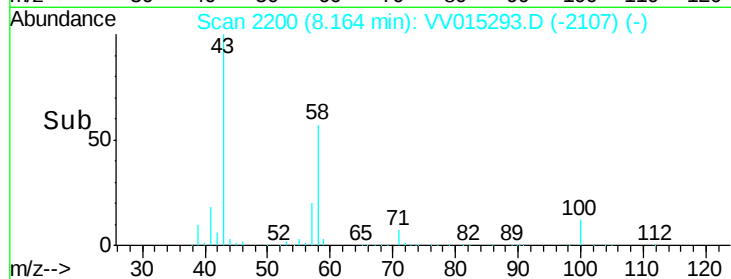
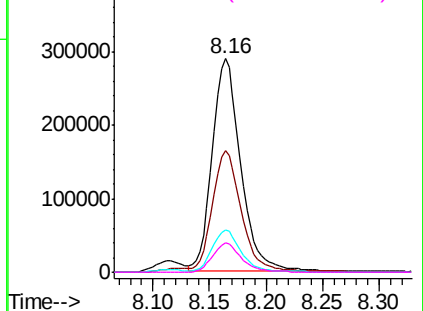
#48
2-Hexanone
Concen: 101.646 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015293.D
Acq: 31 Mar 2020 00:09

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 505745
Ion Ratio Lower Upper
43 100
58 58.1 47.0 70.6
57 20.2 16.2 24.2
100 13.9 11.0 16.6

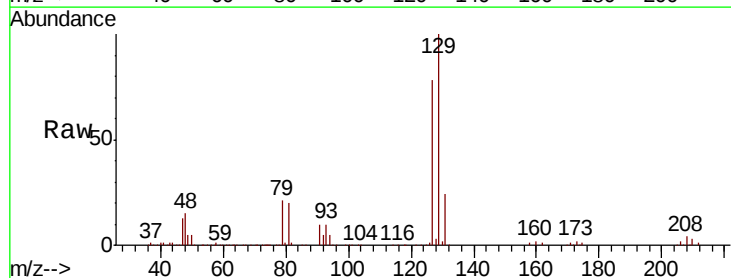


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

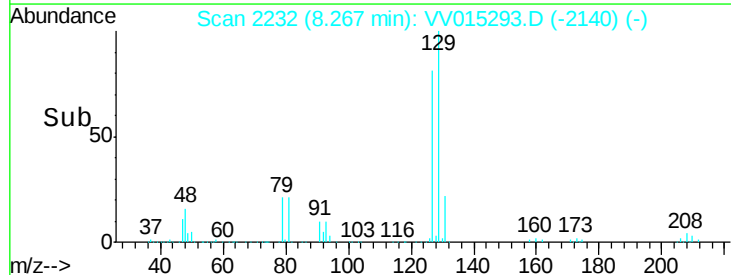
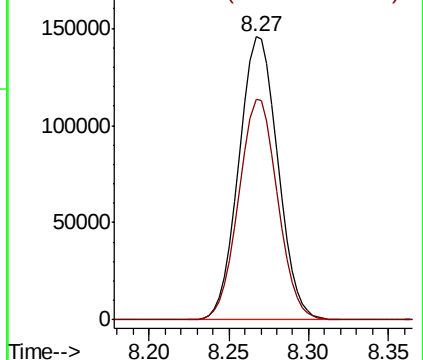


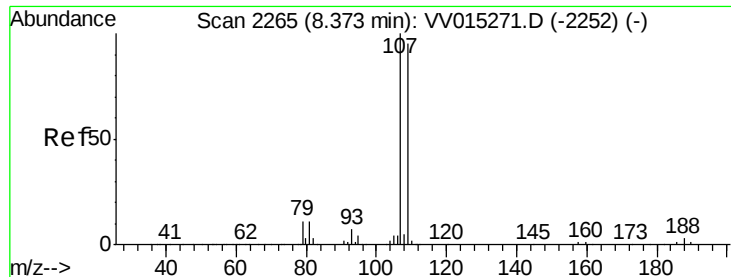
#49
Dibromochloromethane
Concen: 50.512 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015293.D
Acq: 31 Mar 2020 00:09

Tgt Ion: 129 Resp: 242592
Ion Ratio Lower Upper
129 100
127 78.0 52.8 98.2



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

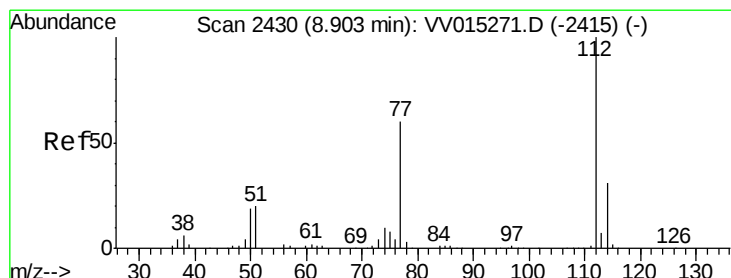
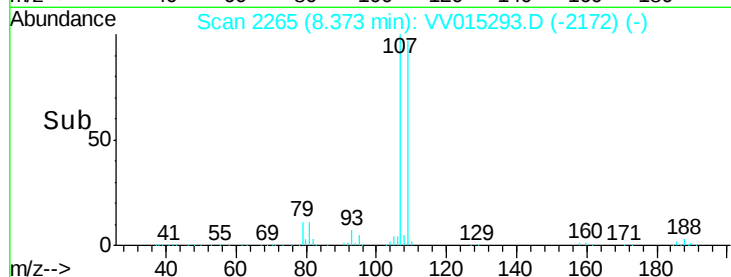
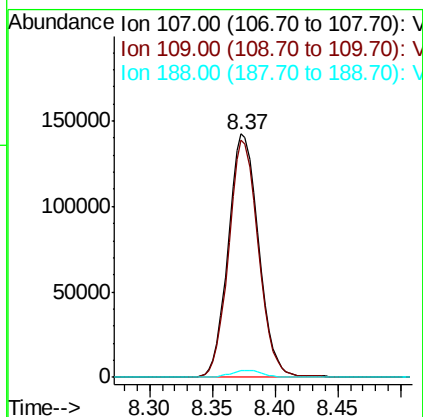
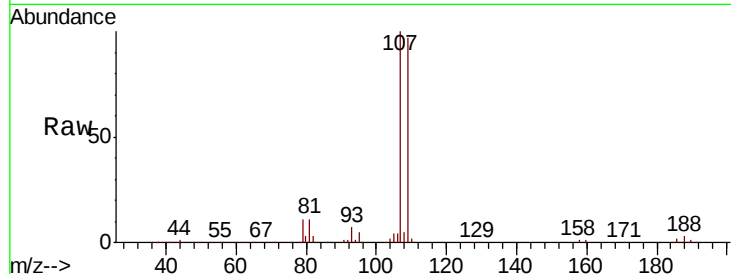




#50
1,2-Dibromoethane
Concen: 50.374 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV015293.D
Acq: 31 Mar 2020 00:09

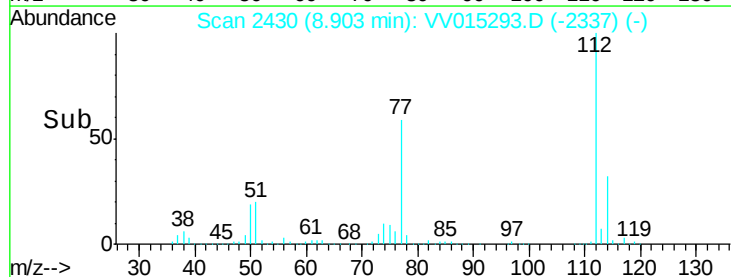
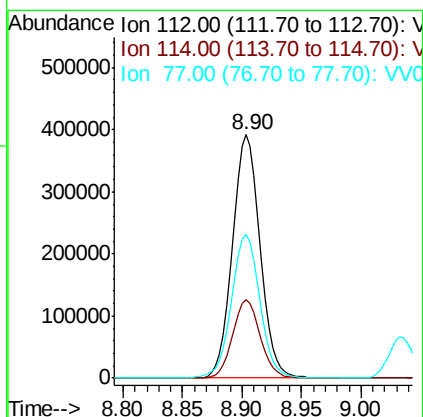
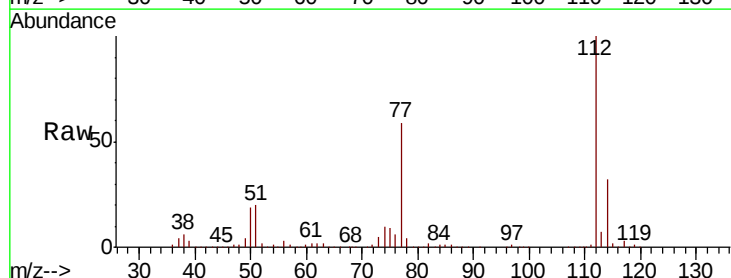
Instrument :
MSVOA_V
ClientSampleId :

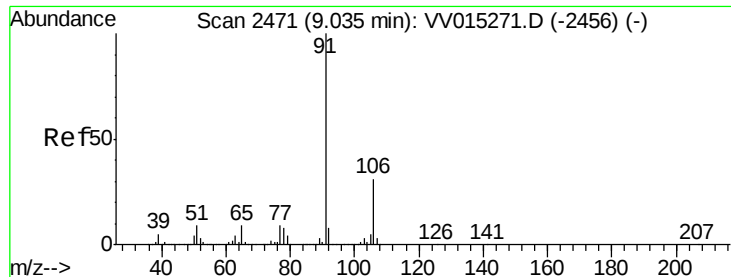
Tot Ion	Ratio	Lower	Upper
107	100		
109	97.3	67.1	124.7
188	2.8	2.5	3.7



#51
Chlorobenzene
Concen: 50.386 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015293.D
Acq: 31 Mar 2020 00:09

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	21.7	40.3
77	58.8	47.9	71.9





#52

Ethylbenzene

Concen: 51.319 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

Instrument :

MSVOA_V

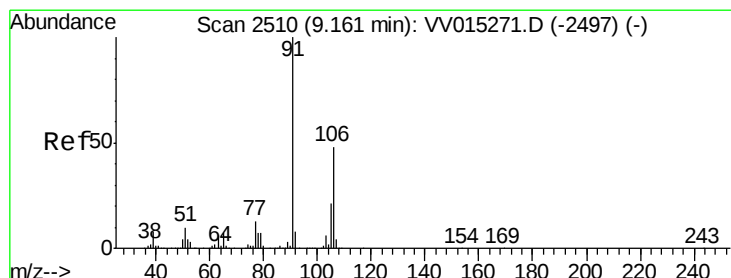
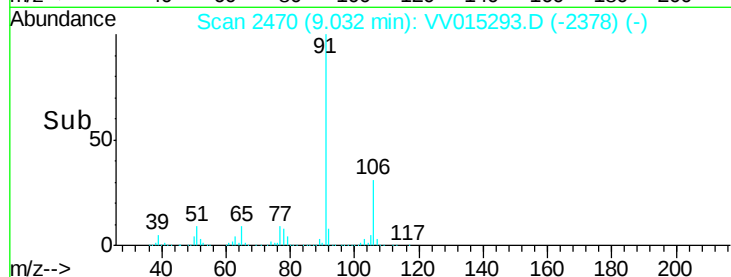
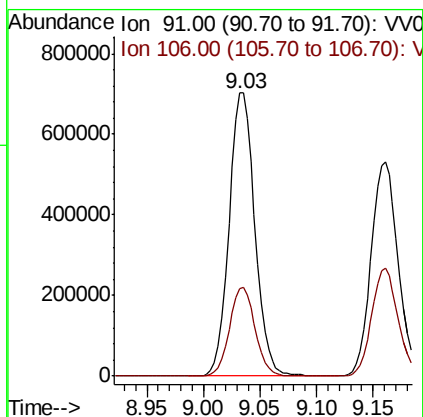
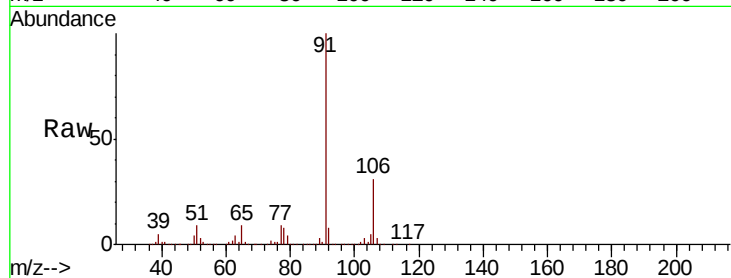
ClientSampled :

Tot Ion: 91 Resp: 1114108

Ion Ratio Lower Upper

91 100

106 30.8 22.0 40.8



#53

m,p-Xylene

Concen: 52.295 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV015293.D

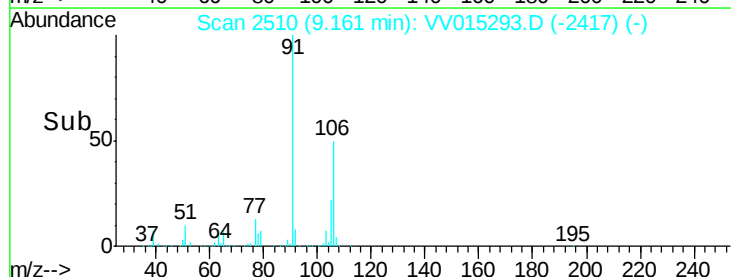
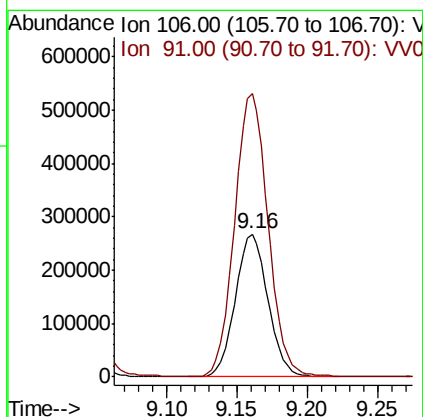
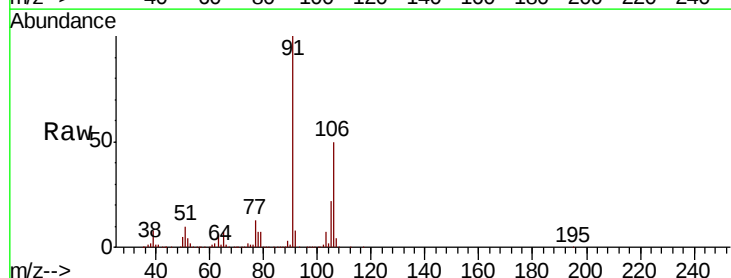
Acq: 31 Mar 2020 00:09

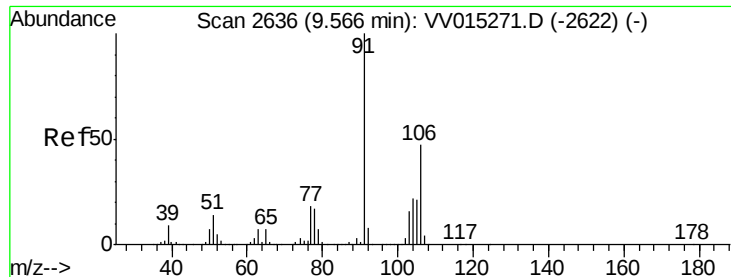
Tgt Ion: 106 Resp: 433030

Ion Ratio Lower Upper

106 100

91 198.5 143.1 265.9





#54

o-xylene

Concen: 52.072 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

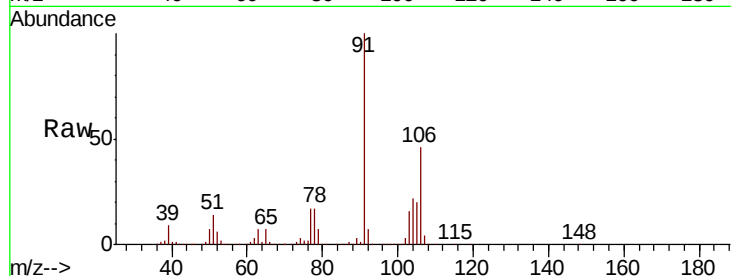
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 428947

Ion Ratio Lower Upper

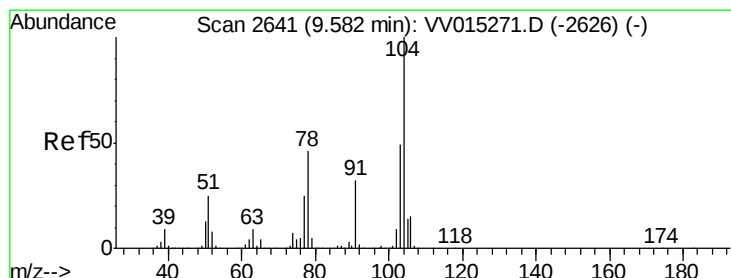
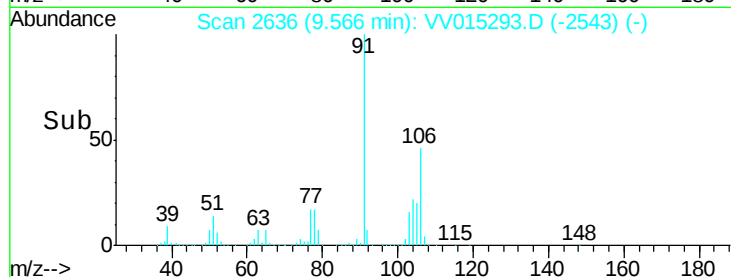
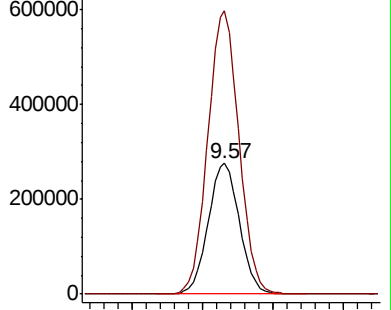
106 100

91 216.8 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.621 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015293.D

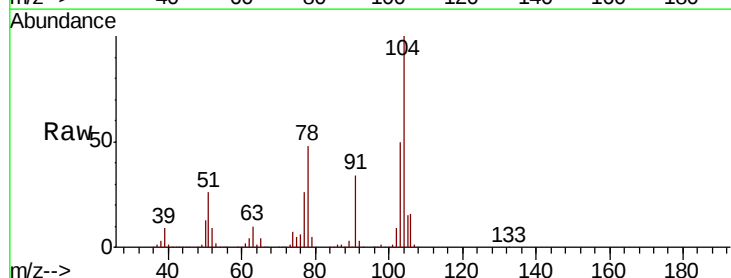
Acq: 31 Mar 2020 00:09

Tgt Ion:104 Resp: 725633

Ion Ratio Lower Upper

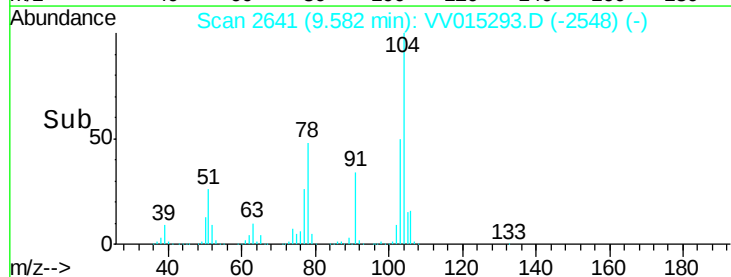
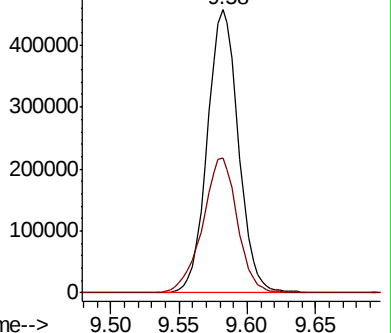
104 100

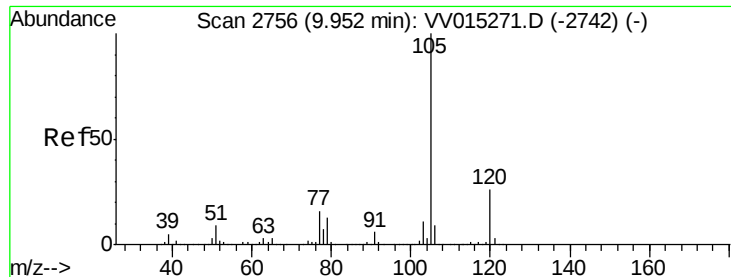
78 47.6 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.323 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

Instrument :

MSVOA_V

ClientSampled :

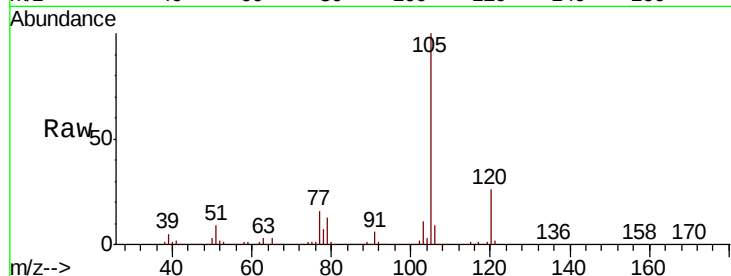
Tot Ion:105 Resp: 1112891

Ion Ratio Lower Upper

105 100

120 26.2 20.7 31.1

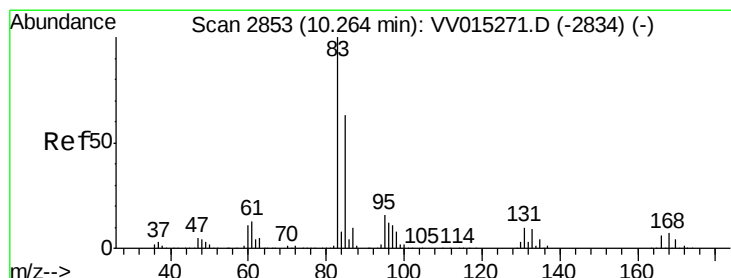
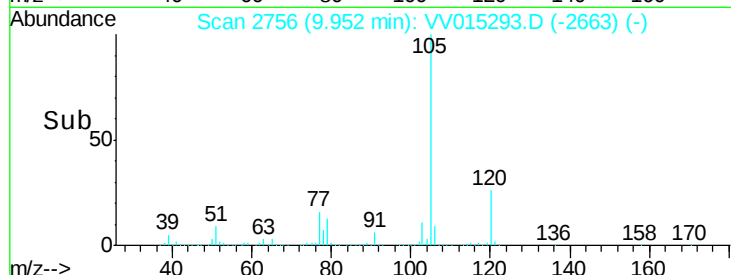
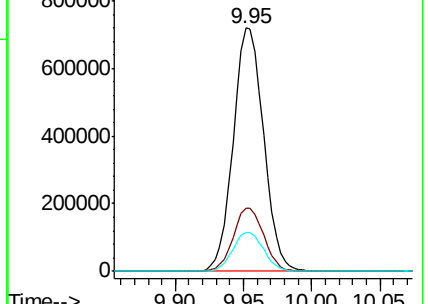
77 16.1 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): VV015271.D (-2742) (-)

Ion 120.00 (119.70 to 120.70): VV015271.D (-2742) (-)

Ion 77.00 (76.70 to 77.70): VV015271.D (-2742) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 51.390 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

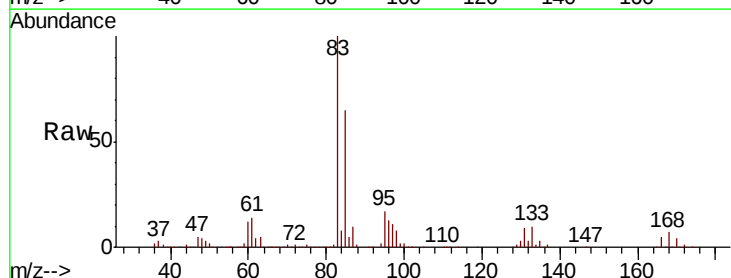
Tgt Ion: 83 Resp: 374785

Ion Ratio Lower Upper

83 100

85 65.0 46.3 85.9

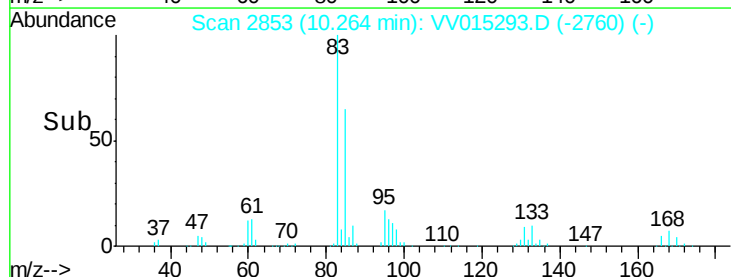
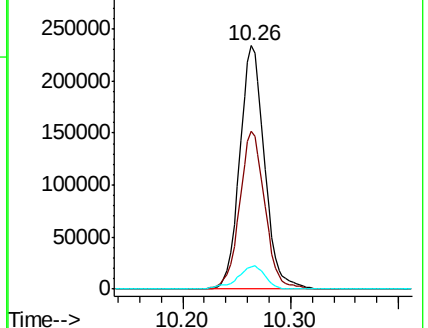
131 9.1 7.6 11.4

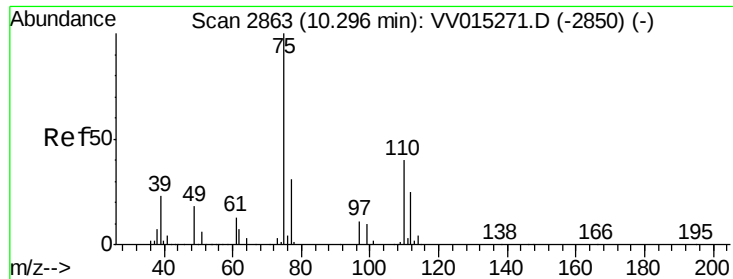


Abundance Ion 83.00 (82.70 to 83.70): VV015271.D (-2834) (-)

Ion 85.00 (84.70 to 85.70): VV015271.D (-2834) (-)

Ion 131.00 (130.70 to 131.70): VV015271.D (-2834) (-)

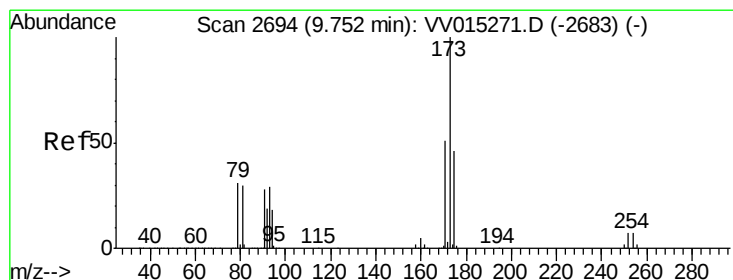
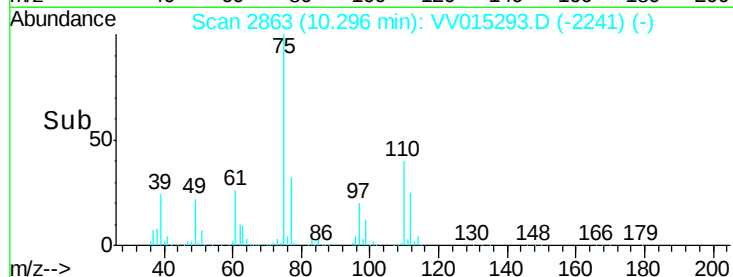
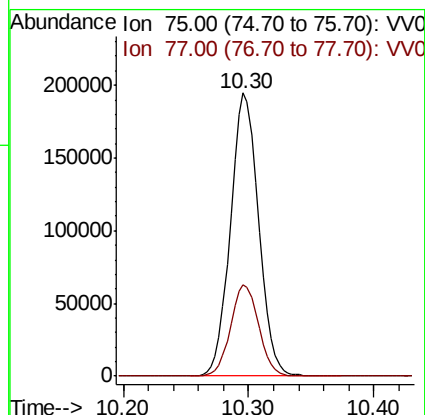
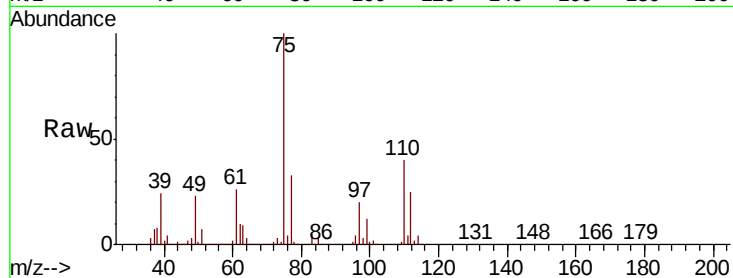




#59
 1,2,3-Trichloropropane
 Concen: 50.256 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VV015293.D
 Acq: 31 Mar 2020 00:09

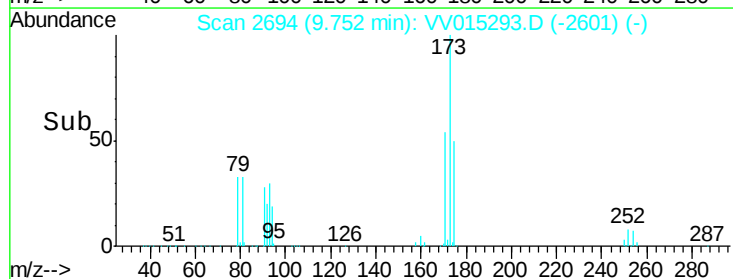
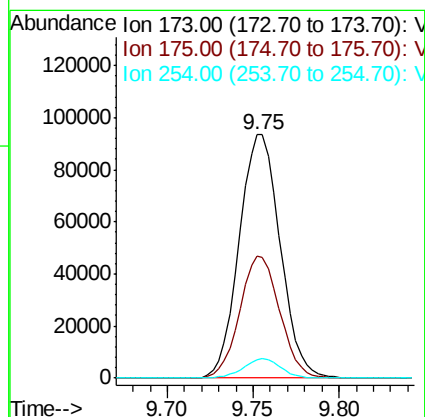
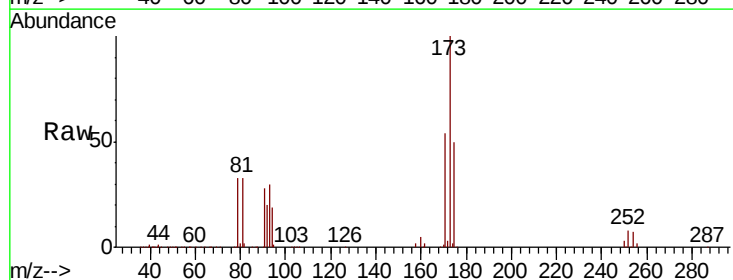
Instrument :
 MSVOA_V
 ClientSampleId :

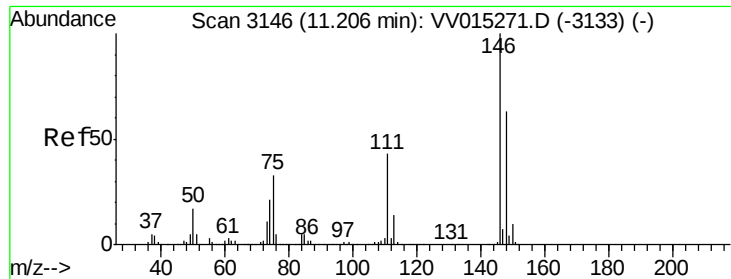
Tot Ion: 75 Resp: 303309
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.7 37.1



#61
 Bromoform
 Concen: 51.271 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV015293.D
 Acq: 31 Mar 2020 00:09

Tgt Ion: 173 Resp: 155203
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.4 59.0
 254 7.2 5.6 8.4





#62

1,3-Dichlorobenzene

Concen: 50.761 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

Instrument :

MSVOA_V

ClientSampleId :

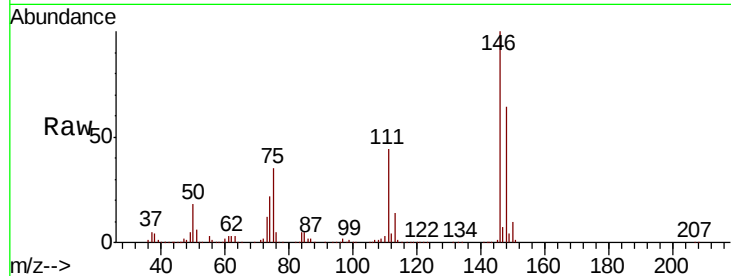
Tot Ion:146 Resp: 469903

Ion Ratio Lower Upper

146 100

111 44.2 30.4 56.4

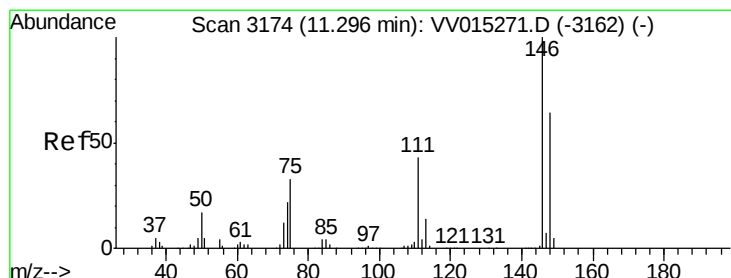
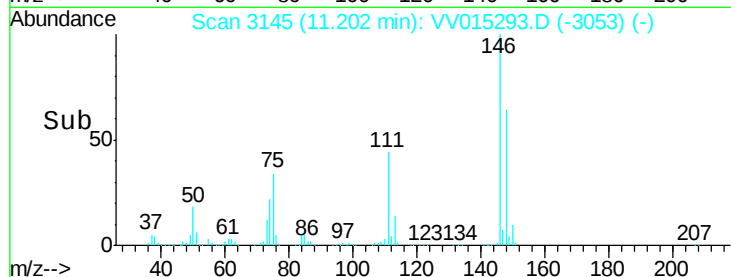
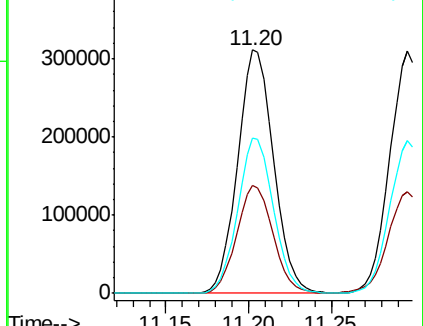
148 63.6 43.9 81.5



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



#63

1,4-Dichlorobenzene

Concen: 49.182 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

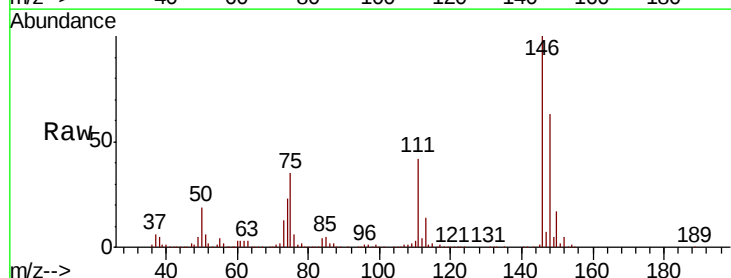
Tgt Ion:146 Resp: 464709

Ion Ratio Lower Upper

146 100

111 41.9 30.5 56.7

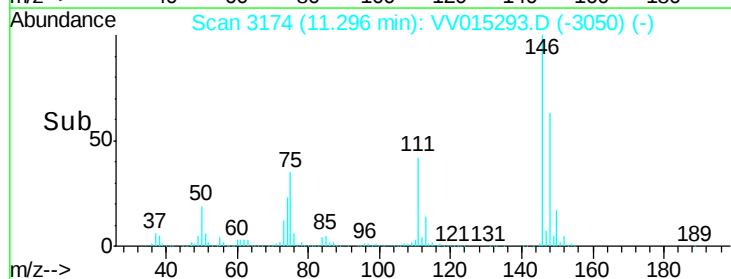
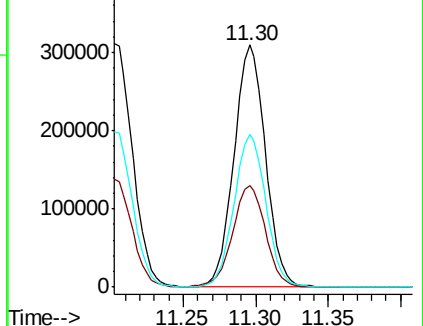
148 63.2 45.0 83.6

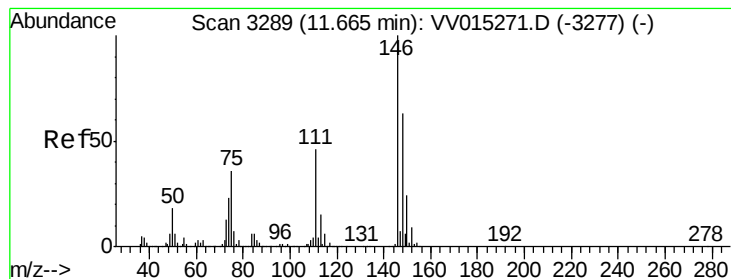


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.569 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

Instrument :

MSVOA_V

ClientSampleId :

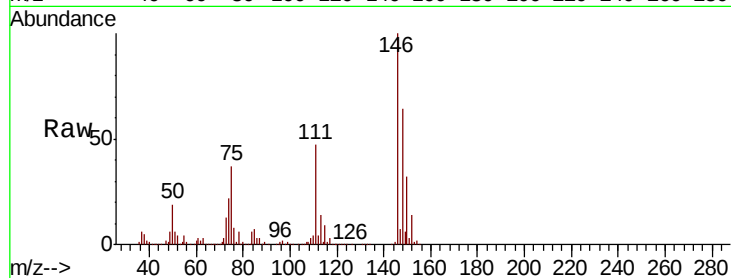
Tot Ion:146 Resp: 472392

Ion Ratio Lower Upper

146 100

111 46.6 35.8 53.6

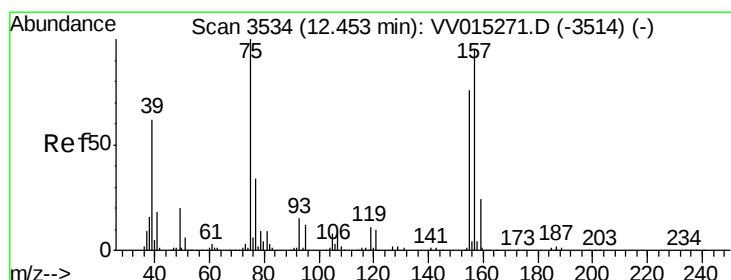
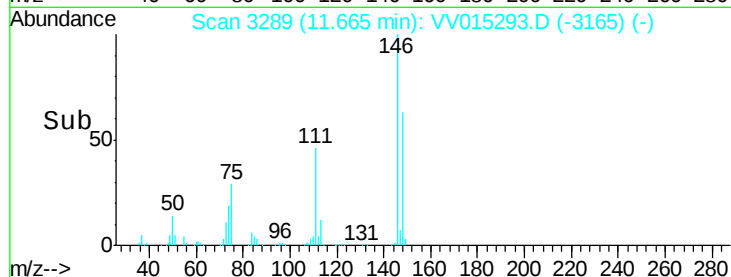
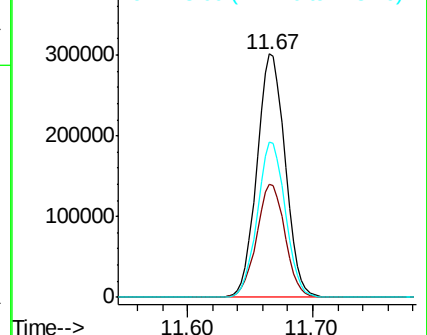
148 63.5 49.1 73.7



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: 48.276 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

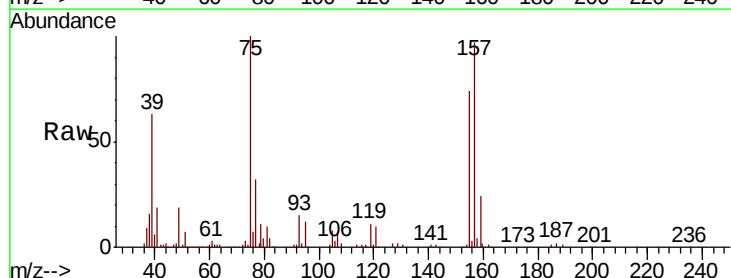
Tgt Ion: 75 Resp: 99223

Ion Ratio Lower Upper

75 100

155 74.2 58.2 87.4

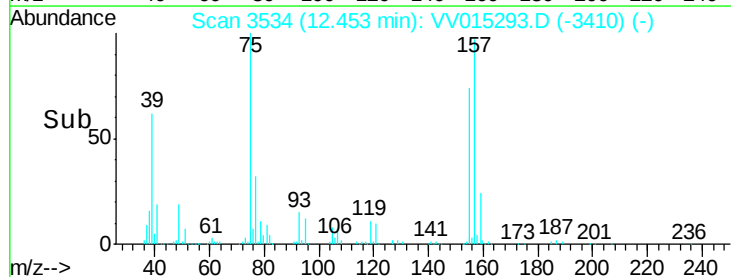
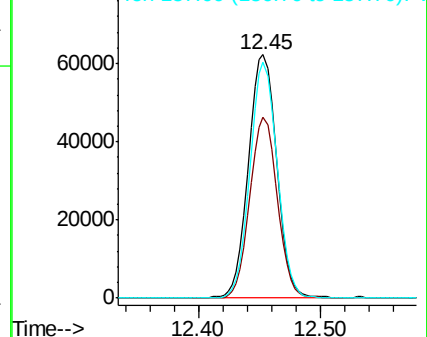
157 96.8 73.0 109.6

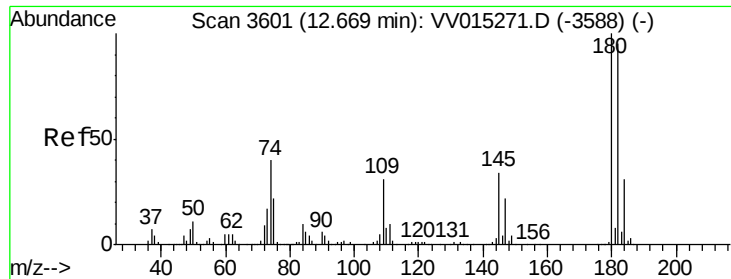


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

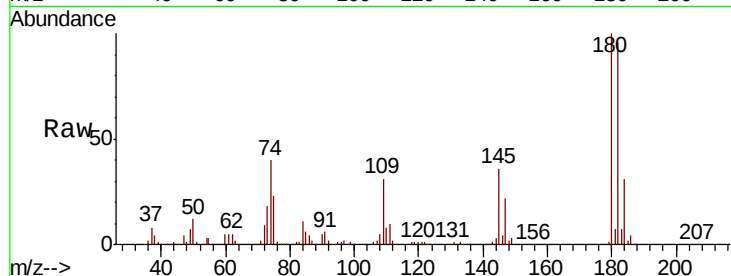




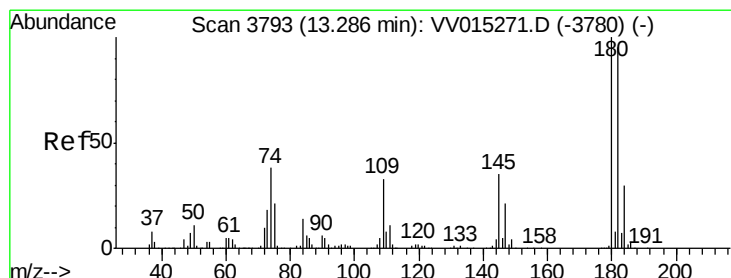
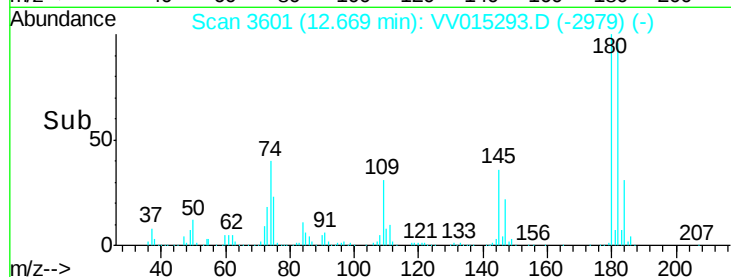
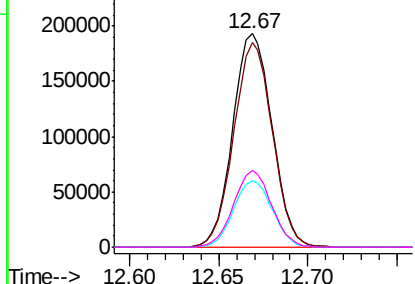
#67
 1,3,5-Trichlorobenzene
 Concen: 50.151 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015293.D
 Acq: 31 Mar 2020 00:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.8	115.2
184	30.9	23.6	35.4
145	34.7	27.0	40.6

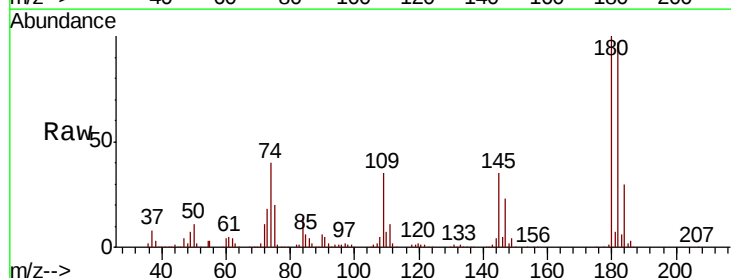


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

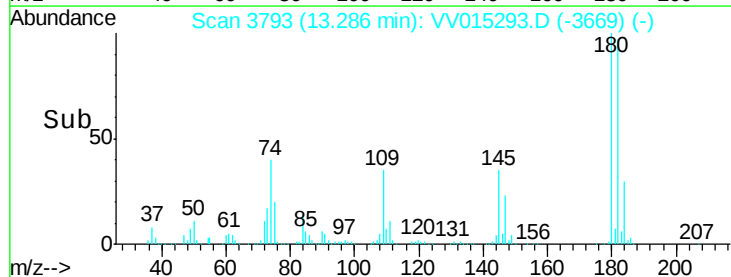
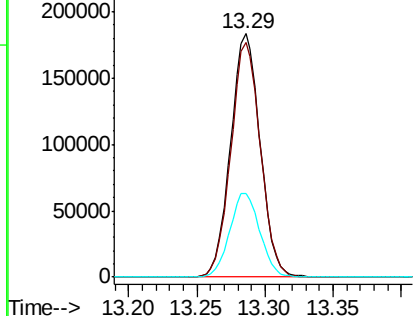


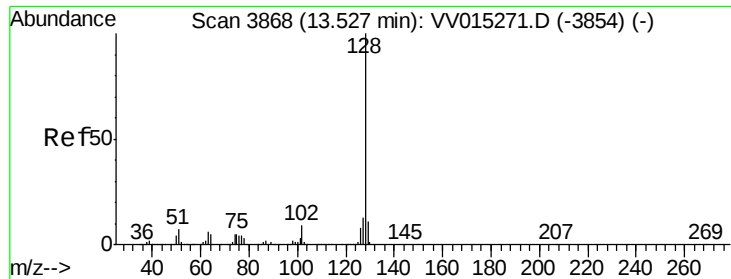
#68
 1,2,4-trichlorobenzene
 Concen: 49.295 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015293.D
 Acq: 31 Mar 2020 00:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.2	112.8
145	35.1	27.3	40.9



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





#69

Naphthalene

Concen: 50.712 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

Instrument :

MSVOA_V

ClientSampleId :

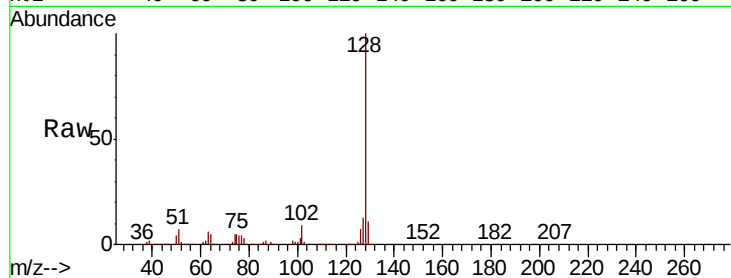
Tot Ion:128 Resp: 1134845

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

129 10.9 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

1000000

800000

600000

400000

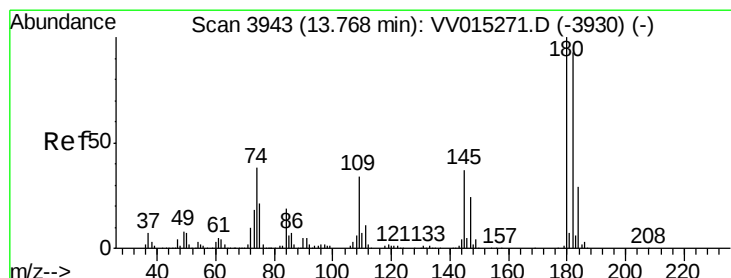
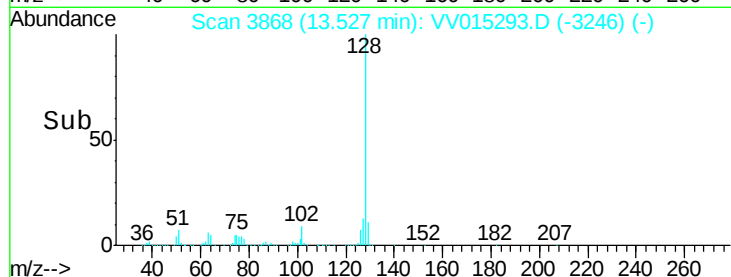
200000

0

13.53

13.50 13.60

Time-->



#70

1,2,3-Trichlorobenzene

Concen: 51.004 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015293.D

Acq: 31 Mar 2020 00:09

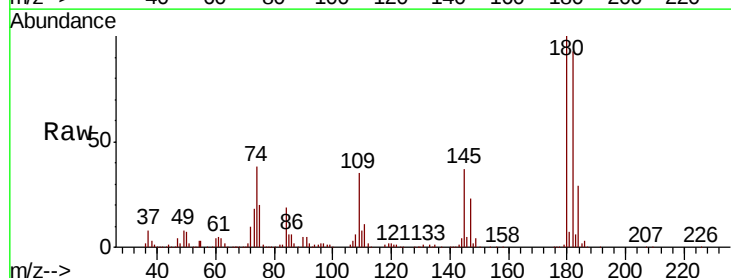
Tgt Ion:180 Resp: 287364

Ion Ratio Lower Upper

180 100

182 93.0 74.7 112.1

145 36.9 29.6 44.4



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

250000

200000

150000

100000

50000

0

13.77

13.70 13.80

Time-->

