

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR041119\
 Data File : VR026573.D
 Acq On : 11 Apr 2019 16:05
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VICV88

Quant Time: Apr 12 02:02:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR041119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 12 01:57:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	666154	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	550927	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	228965	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	209738	4.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.00%
7) Chloroethane-d5	2.62	69	189828	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	3.60	63	601047	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.80%
20) 2-Butanone-d5	6.58	46	209758	44.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.32%
24) Chloroform-d	7.20	84	439166	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
26) 1,2-Dichloroethane-d4	7.89	65	174265	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
32) Benzene-d6	7.85	84	806100	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	8.89	67	207715	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.60%
41) Toluene-d8	9.96	98	754106	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	10.23	79	50089	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	10.59	63	177212	49.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.40%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	84594	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	147372	4.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	320281	4.480	ug/L 100
3) Chloromethane	2.01	50	332312	4.606	ug/L 99
5) Vinyl chloride	2.15	62	339109	4.583	ug/L 99
6) Bromomethane	2.52	94	200305	4.604	ug/L 94
8) Chloroethane	2.65	64	197232	4.645	ug/L 94
9) Trichlorofluoromethane	2.94	101	494638	4.489	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	267711	4.664	ug/L 98
12) 1,1-Dichloroethene	3.62	96	284390	4.535	ug/L 91
13) Acetone	3.69	43	205802	42.007	ug/L 98
14) Carbon disulfide	3.93	76	812285	4.921	ug/L 100
15) Methyl Acetate	4.19	43	53342	4.013	ug/L # 75
16) Methylene chloride	4.40	84	235423	4.200	ug/L 97
17) Methyl tert-butyl Ether	4.89	73	264779	4.491	ug/L 100
18) trans-1,2-Dichloroethene	4.88	96	256824	4.544	ug/L 91
19) 1,1-Dichloroethane	5.69	63	469115	4.610	ug/L 96
21) 2-Butanone	6.69	43	284671	48.281	ug/L 100
22) cis-1,2-Dichloroethene	6.67	96	229804	4.878	ug/L # 91

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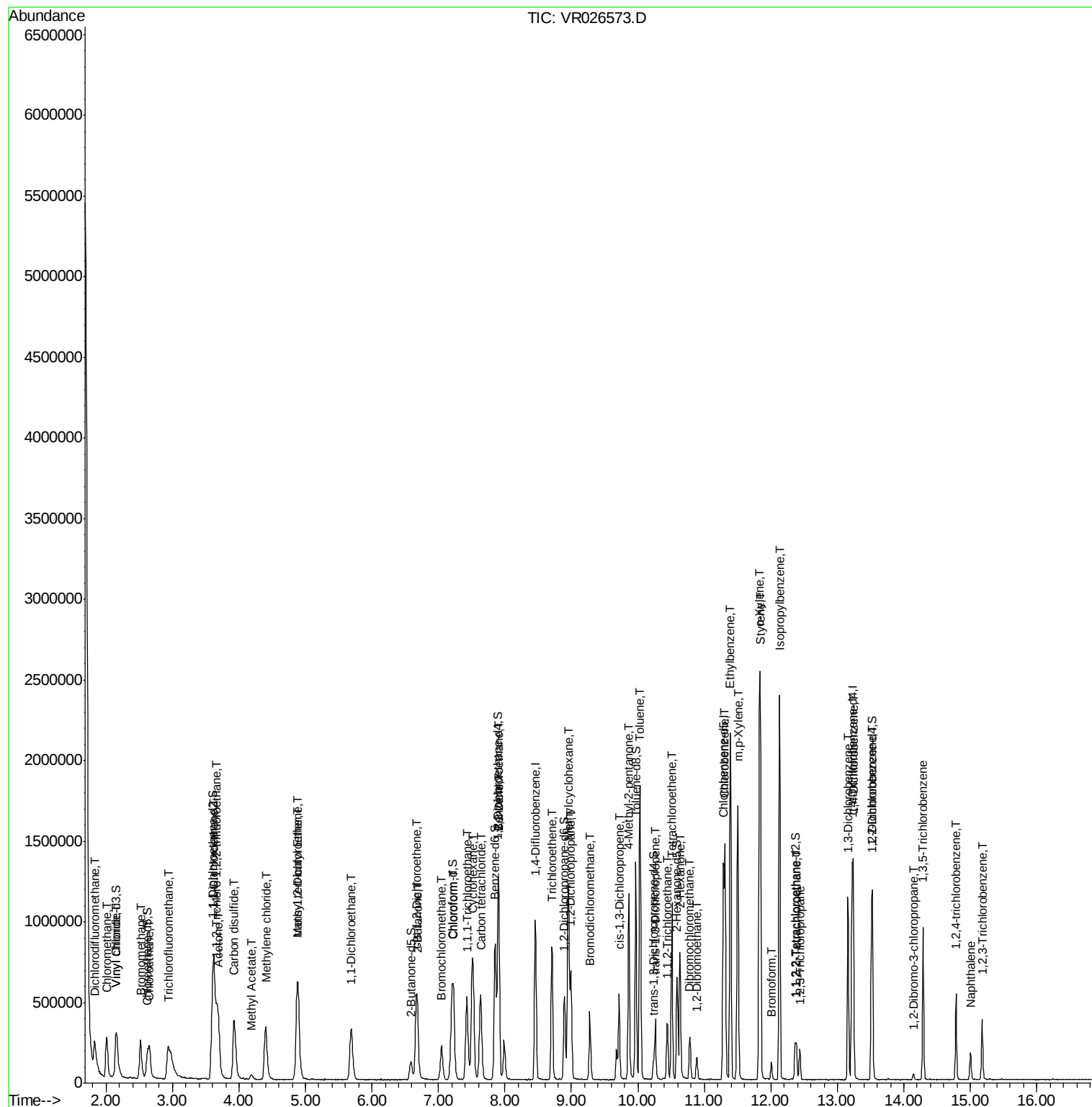
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	63895	4.140	ug/L	92
25) Chloroform	7.23	83	459358	4.552	ug/L	98
27) 1,2-Dichloroethane	7.91	62	10145	0.201	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	414005	4.989	ug/L	97
30) Cyclohexane	7.51	56	438655	5.683	ug/L	97
31) Carbon tetrachloride	7.63	117	403594	4.778	ug/L	99
33) Benzene	7.90	78	1034983	4.897	ug/L	100
34) Trichloroethene	8.71	95	270528	4.782	ug/L	94
35) Methylcyclohexane	8.96	83	426170	5.489	ug/L	99
37) 1,2-Dichloropropane	8.99	63	216617	4.749	ug/L	99
38) Bromodichloromethane	9.28	83	251507	4.774	ug/L	96
39) cis-1,3-Dichloropropene	9.72	75	249453	5.025	ug/L	95
40) 4-Methyl-2-pentanone	9.86	43	706580	52.288	ug/L	100
42) Toluene	10.03	91	1108332	5.053	ug/L	94
44) trans-1,3-Dichloropropene	10.26	75	171559	4.965	ug/L	98
45) 1,1,2-Trichloroethane	10.44	97	90561	4.496	ug/L	95
47) Tetrachloroethene	10.51	164	199284	4.824	ug/L	89
48) 2-Hexanone	10.63	43	483743	50.416	ug/L	98
49) Dibromochloromethane	10.78	129	116268	4.746	ug/L	95
50) 1,2-Dibromoethane	10.88	107	76509	4.482	ug/L #	91
51) Chlorobenzene	11.31	112	582256	4.604	ug/L	96
52) Ethylbenzene	11.39	91	1292722	5.166	ug/L	99
53) m,p-Xylene	11.50	106	467477	5.203	ug/L	98
54) o-Xylene	11.83	106	414987	5.168	ug/L	99
55) Styrene	11.84	104	649094	5.049	ug/L	99
56) Isopropylbenzene	12.13	105	1206046	5.427	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	85904	4.468	ug/L	97
59) 1,2,3-Trichloropropane	12.43	75	63904	4.454	ug/L	98
61) Bromoform	12.01	173	42317	4.399	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	342560	4.825	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	374230	4.397	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	285237	4.639	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.15	75	8117	3.455	ug/L	91
67) 1,3,5-Trichlorobenzene	14.29	180	220113	4.720	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	120173	4.630	ug/L	98
69) Naphthalene	15.00	128	105918	4.442	ug/L	96
70) 1,2,3-Trichlorobenzene	15.18	180	91749	4.986	ug/L	100

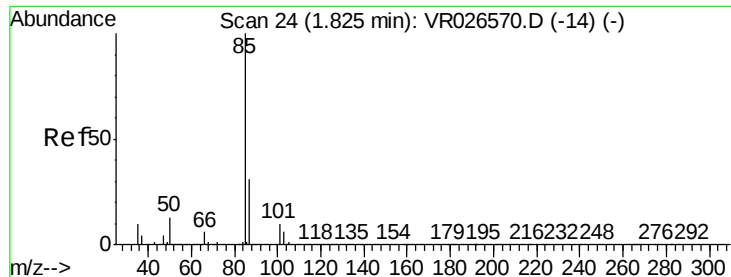
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.480 ug/L

RT: 1.83 min Scan# 25

Delta R.T. 0.01 min

Lab File: VR026573.D

Acq: 11 Apr 2019 16:05

Instrument :

MSVOA_R

ClientSampled :

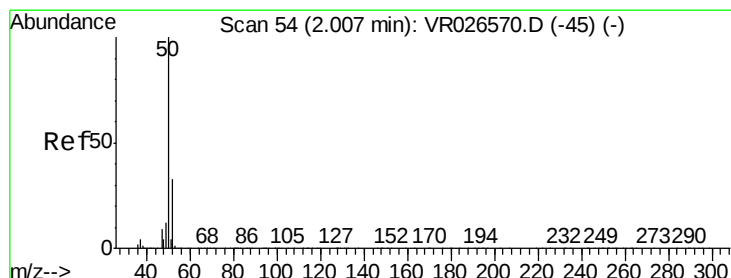
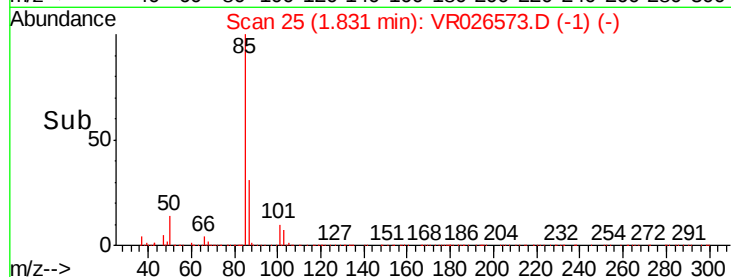
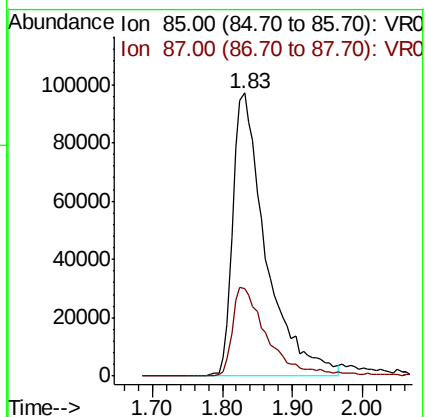
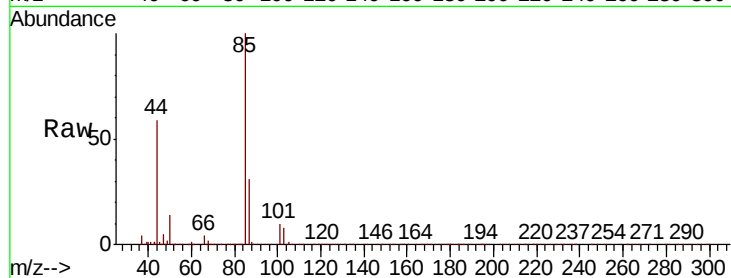
VICV88

Tot Ion: 85 Resp: 320281

Ion Ratio Lower Upper

85 100

87 32.9 26.2 39.4



#3

Chloromethane

Concen: 4.606 ug/L

RT: 2.01 min Scan# 54

Delta R.T. 0.00 min

Lab File: VR026573.D

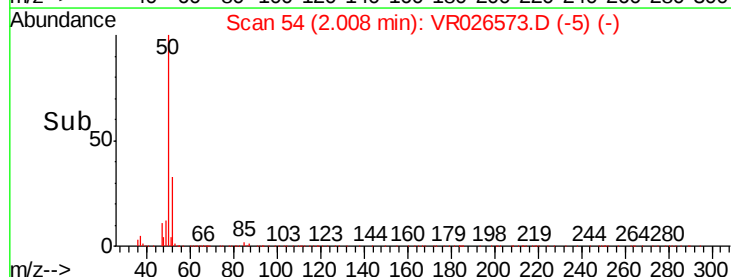
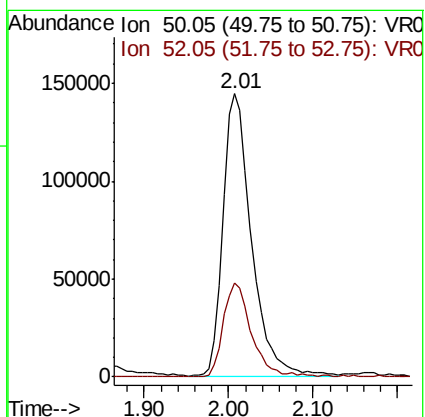
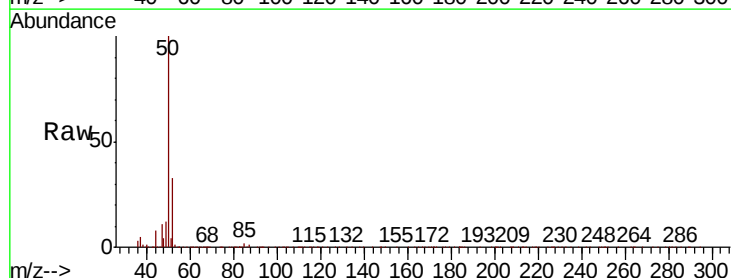
Acq: 11 Apr 2019 16:05

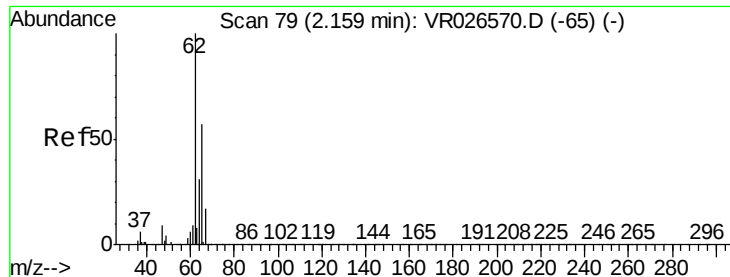
Tgt Ion: 50 Resp: 332312

Ion Ratio Lower Upper

50 100

52 33.1 22.8 42.4





#5

Vinyl chloride

Concen: 4.583 ug/L

RT: 2.15 min Scan# 78

Delta R.T. -0.01 min

Lab File: VR026573.D

Acq: 11 Apr 2019 16:05

Instrument :

MSVOA_R

ClientSampleId :

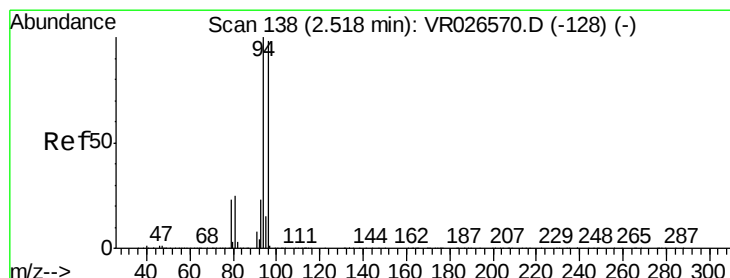
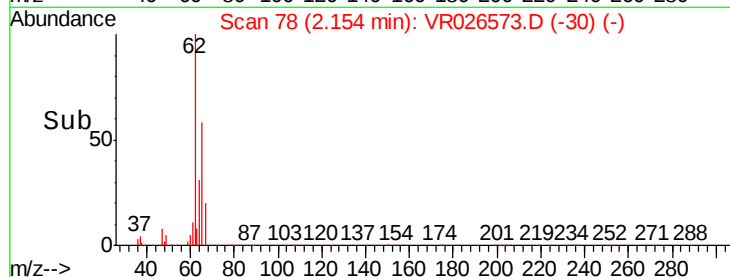
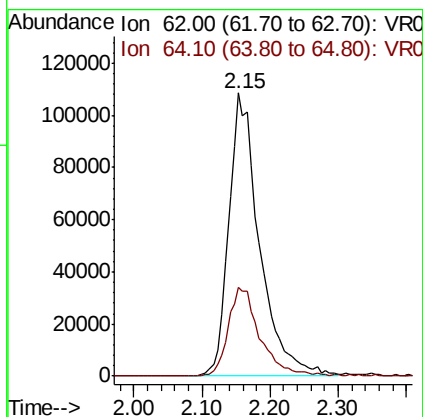
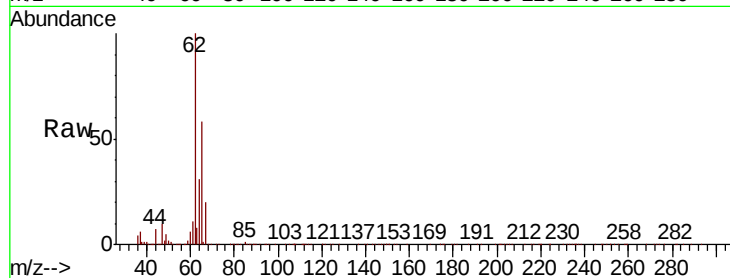
VICV88

Tot Ion: 62 Resp: 339109

Ion Ratio Lower Upper

62 100

64 31.2 21.6 40.2



#6

Bromomethane

Concen: 4.604 ug/L

RT: 2.52 min Scan# 138

Delta R.T. 0.00 min

Lab File: VR026573.D

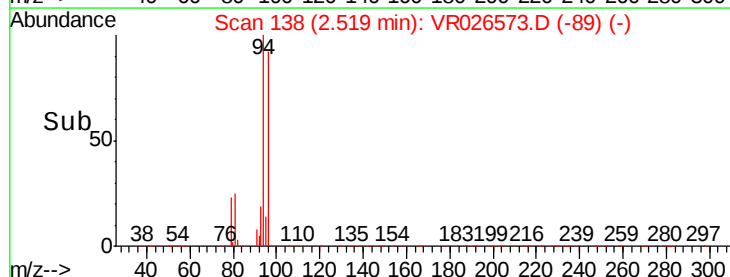
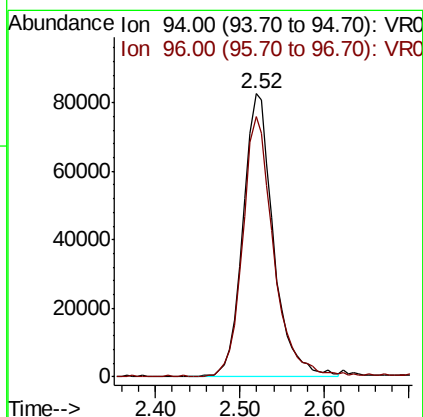
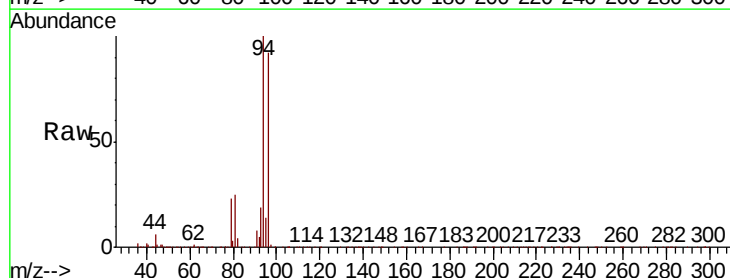
Acq: 11 Apr 2019 16:05

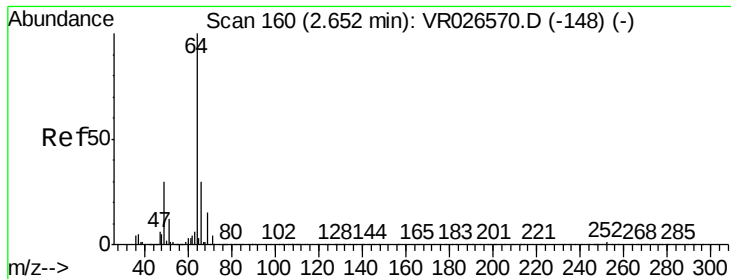
Tgt Ion: 94 Resp: 200305

Ion Ratio Lower Upper

94 100

96 92.1 68.5 127.3





#8

Chloroethane

Concen: 4.645 ug/L

RT: 2.65 min Scan# 160

Delta R.T. 0.00 min

Lab File: VR026573.D

Acq: 11 Apr 2019 16:05

Instrument :

MSVOA_R

ClientSampleId :

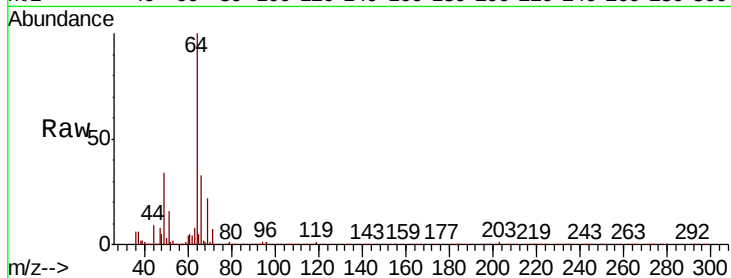
VICV88

Tot Ion: 64 Resp: 197232

Ion Ratio Lower Upper

64 100

66 32.7 20.7 38.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.65

80000

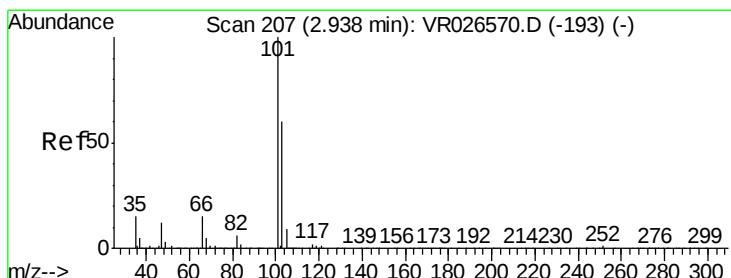
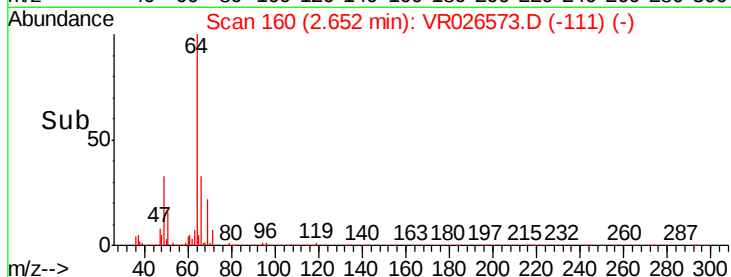
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 4.489 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.00 min

Lab File: VR026573.D

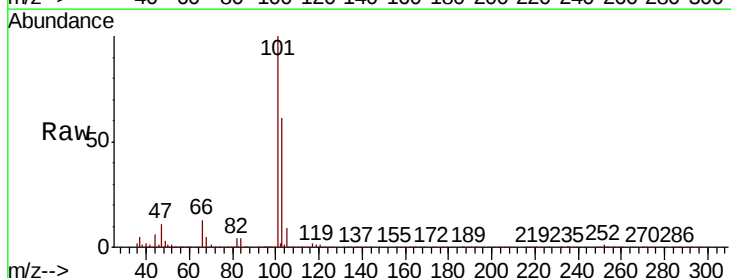
Acq: 11 Apr 2019 16:05

Tgt Ion: 101 Resp: 494638

Ion Ratio Lower Upper

101 100

103 63.2 50.7 76.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.94

100000

80000

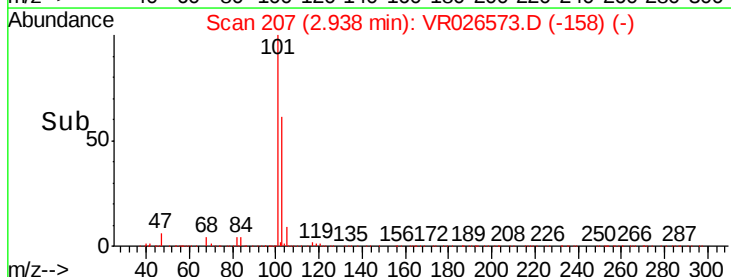
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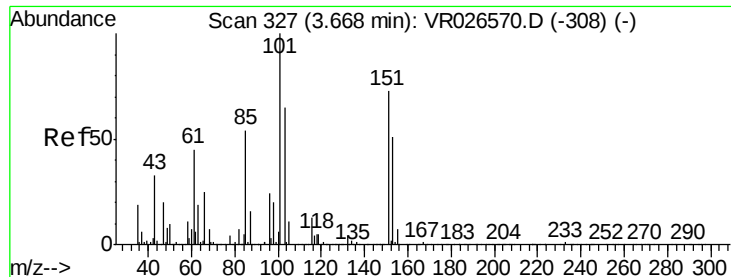
40000

20000

0

Time-->





#10

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

Concen: 4.664 ug/L

RT: 3.67 min Scan# 327

Delta R.T. 0.00 min

Lab File: VR026573.D

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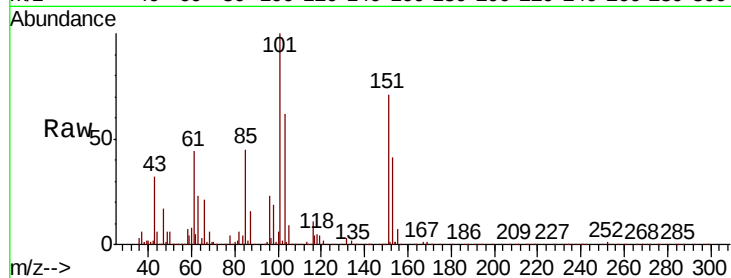
Tot Ion:101 Resp: 267711

Ion Ratio Lower Upper

101 100

85 47.2 40.4 60.6

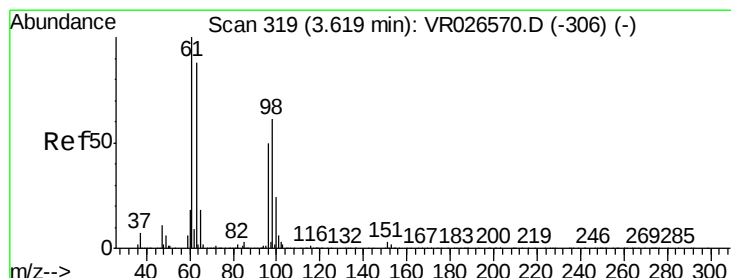
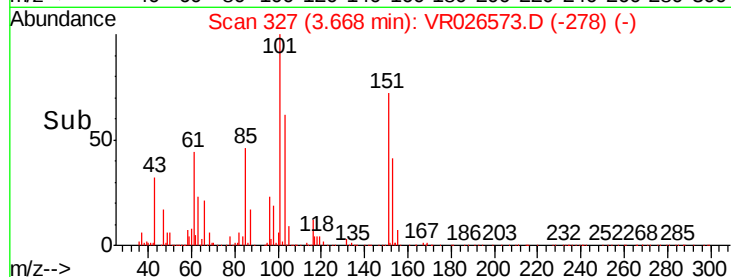
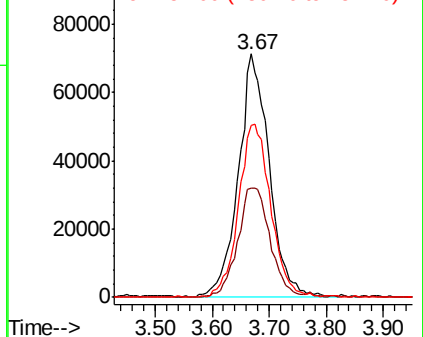
151 74.0 59.4 89.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.535 ug/L

RT: 3.62 min Scan# 319

Delta R.T. 0.00 min

Lab File: VR026573.D

Acq: 11 Apr 2019 16:05

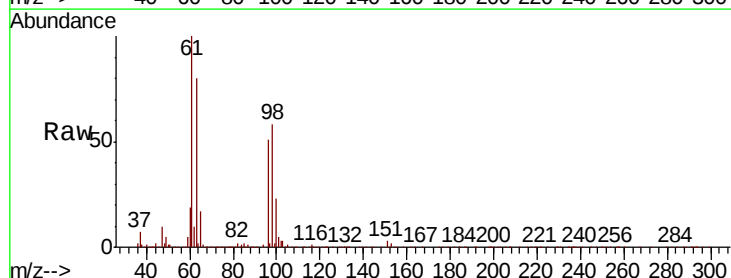
Tgt Ion: 96 Resp: 284390

Ion Ratio Lower Upper

96 100

61 195.4 140.8 261.6

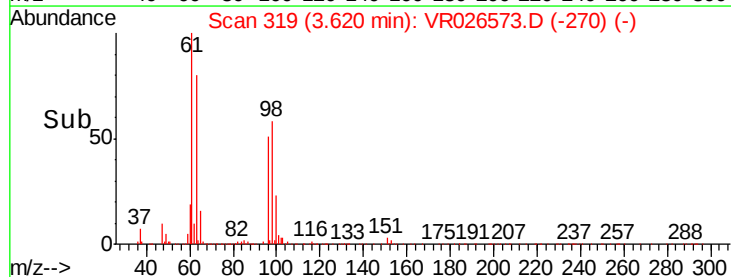
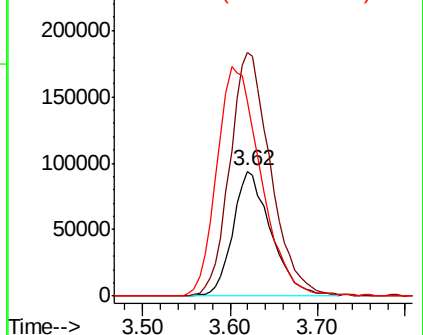
63 156.1 124.0 230.4

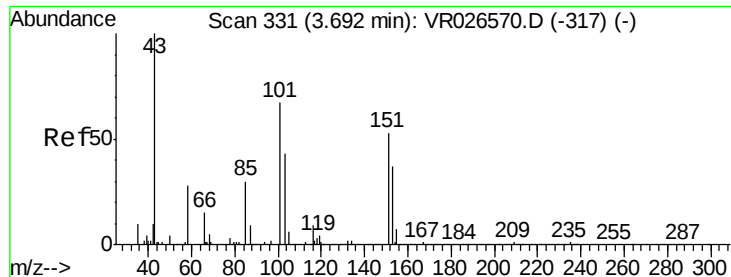


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 42.007 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.00 min

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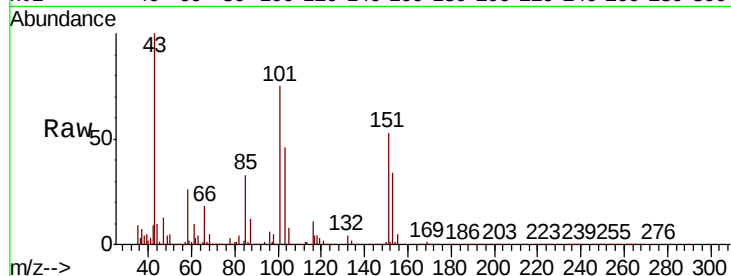
VICV88

Tot Ion: 43 Resp: 205802

Ion Ratio Lower Upper

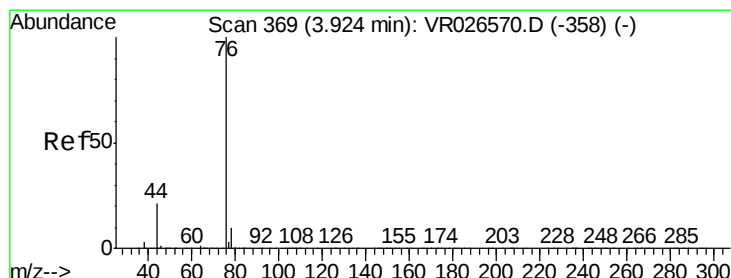
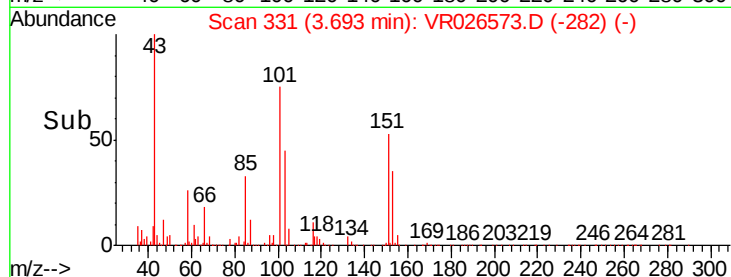
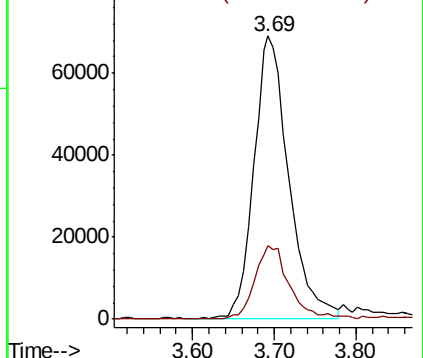
43 100

58 25.9 0.0 49.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 4.921 ug/L

RT: 3.93 min Scan# 370

Delta R.T. 0.01 min

Lab File: VR026573.D

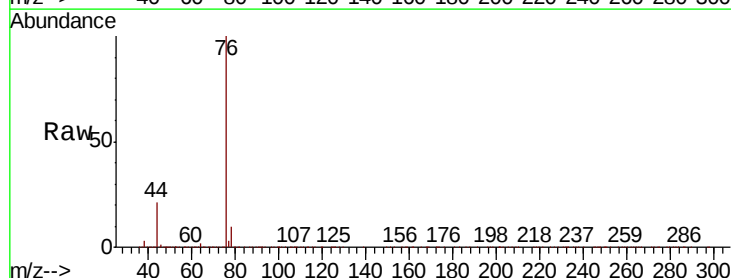
Acq: 11 Apr 2019 16:05

Tgt Ion: 76 Resp: 812285

Ion Ratio Lower Upper

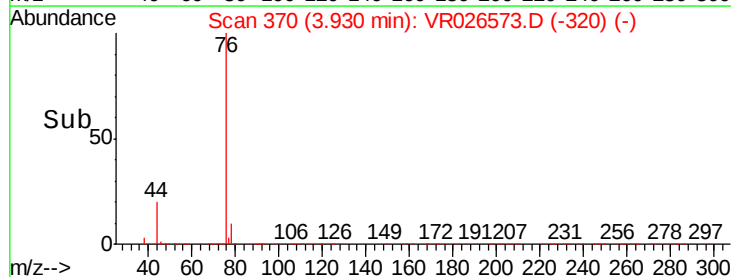
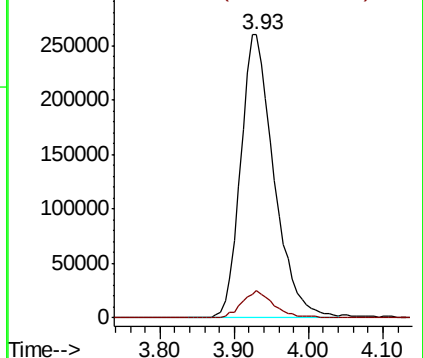
76 100

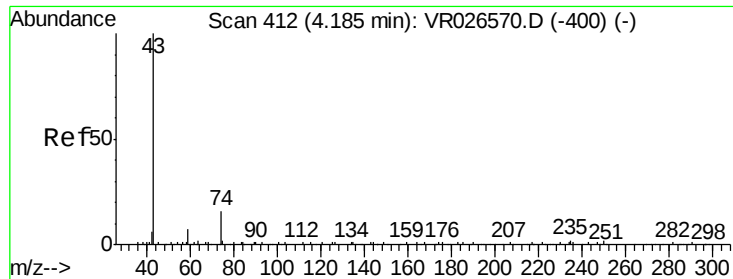
78 9.9 7.9 11.9



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

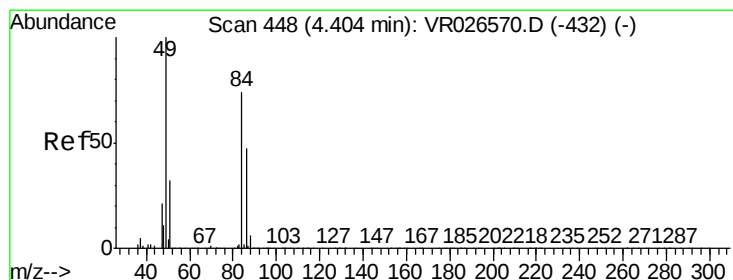
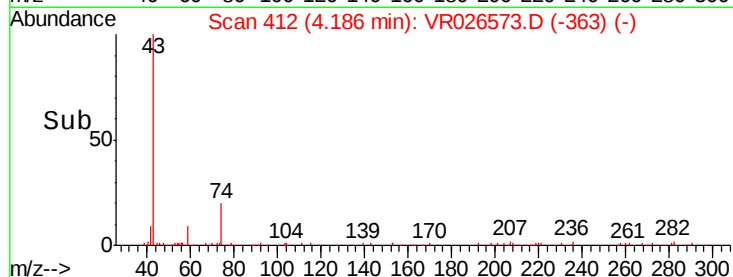
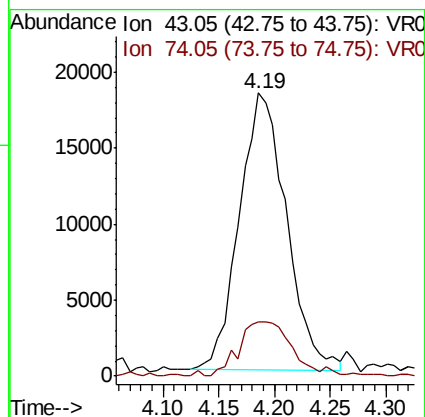
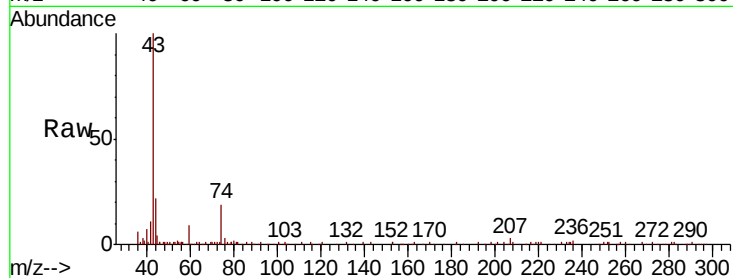




#15
Methyl Acetate
Concen: 4.013 ug/L
RT: 4.19 min Scan# 412
Delta R.T. 0.00 min
Lab File: VR026573.D
Acq: 11 Apr 2019 16:05

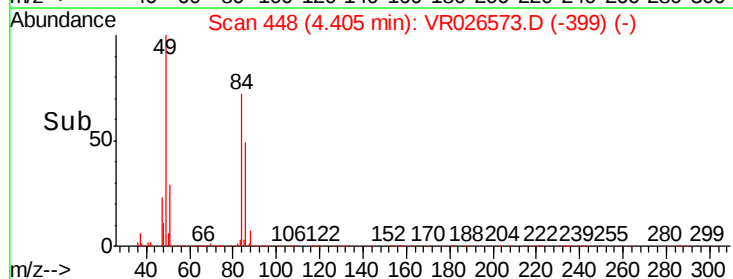
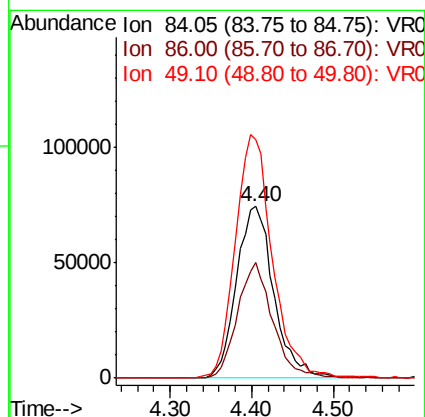
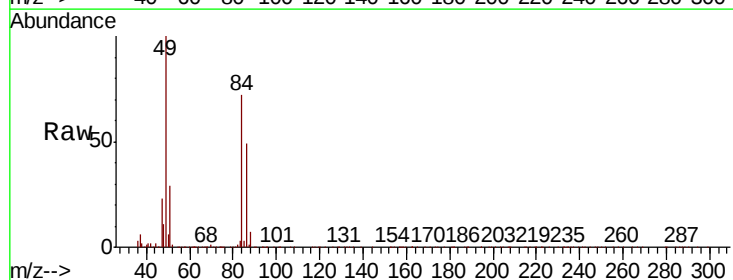
Instrument :
MSVOA_R
ClientSampleId :
VICV88

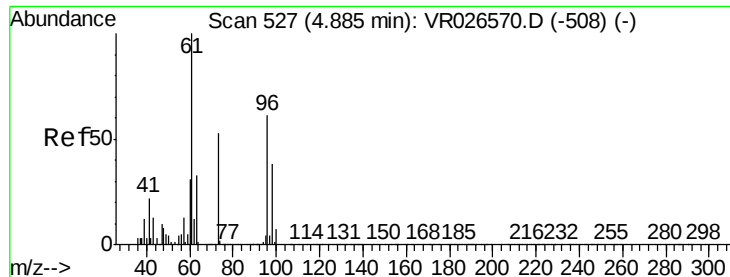
Tot Ion: 43 Resp: 53342
Ion Ratio Lower Upper
43 100
74 20.8 9.0 13.6#



#16
Methylene chloride
Concen: 4.200 ug/L
RT: 4.40 min Scan# 448
Delta R.T. 0.00 min
Lab File: VR026573.D
Acq: 11 Apr 2019 16:05

Tgt Ion: 84 Resp: 235423
Ion Ratio Lower Upper
84 100
86 67.5 45.1 83.7
49 138.8 95.2 176.8

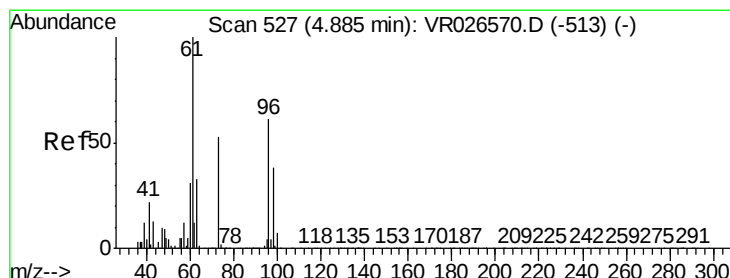
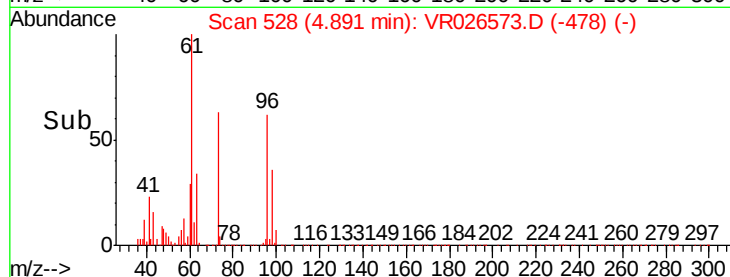
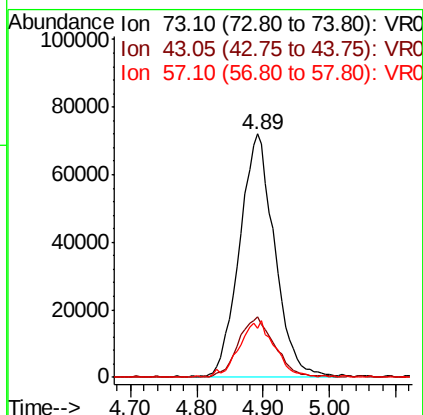
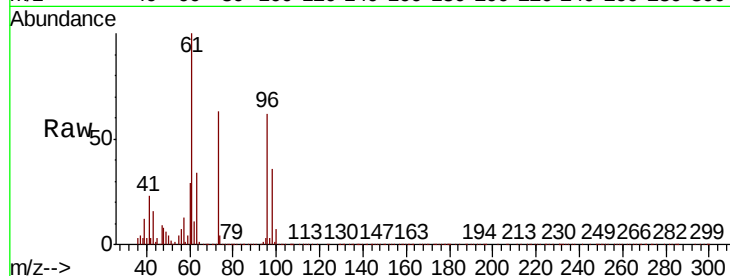




#17
Methvl tert-butvl Ether
Concen: 4.491 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.01 min
Lab File: VR026573.D
Acq: 11 Apr 2019 16:05

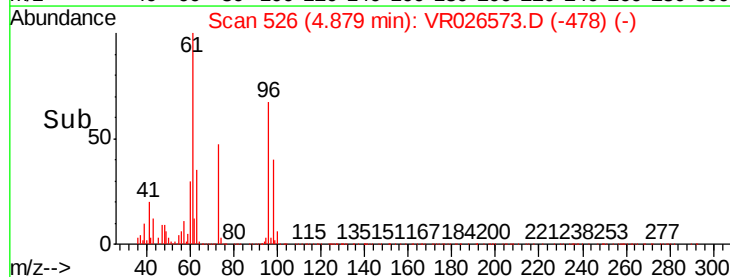
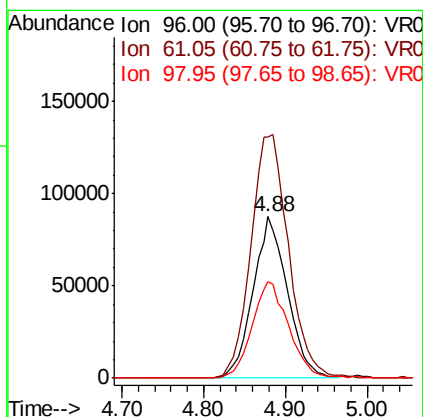
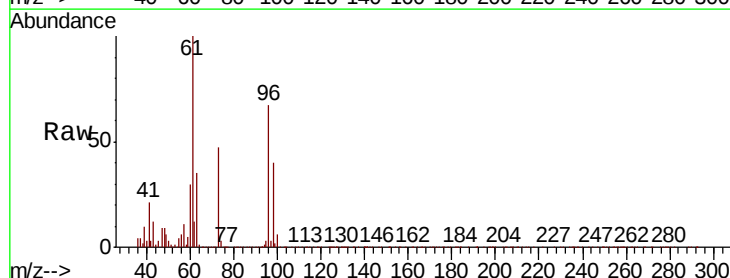
Instrument :
MSVOA_R
ClientSampleId :
VICV88

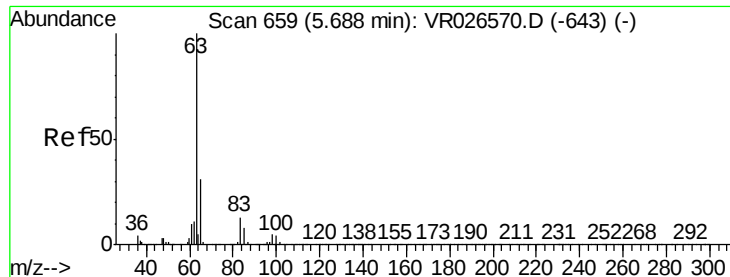
Tot Ion	Ratio	Lower	Upper
73	100		
43	25.5	20.6	30.8
57	23.4	18.6	27.8



#18
trans-1,2-Dichloroethene
Concen: 4.544 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR026573.D
Acq: 11 Apr 2019 16:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.3	115.5	214.5
98	59.8	43.6	81.0





#19

1,1-Dichloroethane

Concen: 4.610 ug/L

RT: 5.69 min Scan# 659

Delta R.T. 0.00 min

Lab File: VR026573.D

Acq: 11 Apr 2019 16:05

Instrument :

MSVOA_R

ClientSampleId :

VICV88

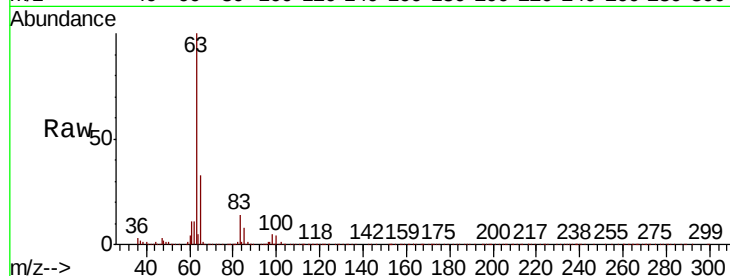
Tot Ion: 63 Resp: 469115

Ion Ratio Lower Upper

63 100

65 33.3 21.9 40.7

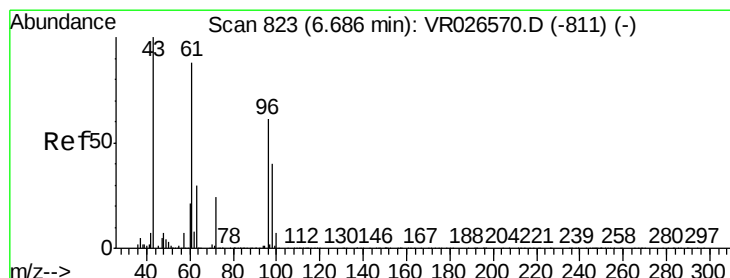
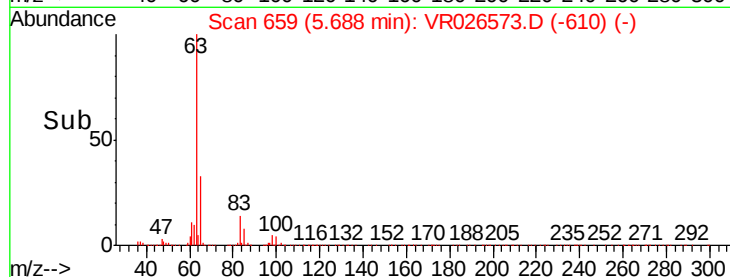
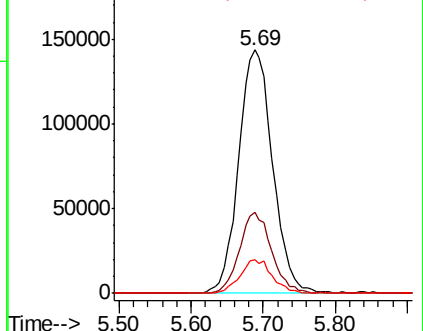
83 13.9 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#21

2-Butanone

Concen: 48.281 ug/L

RT: 6.69 min Scan# 823

Delta R.T. 0.00 min

Lab File: VR026573.D

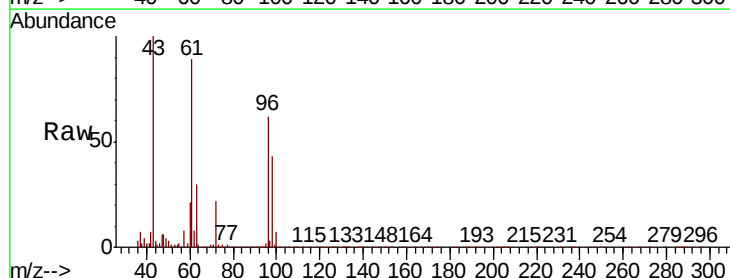
Acq: 11 Apr 2019 16:05

Tgt Ion: 43 Resp: 284671

Ion Ratio Lower Upper

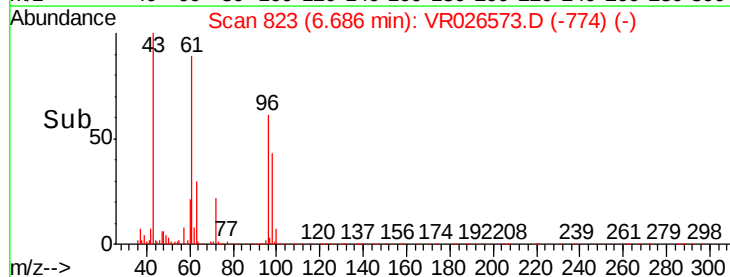
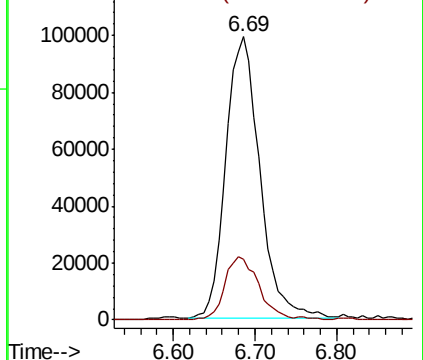
43 100

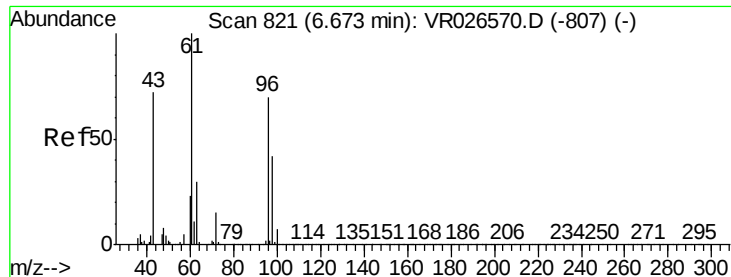
72 22.3 11.1 33.3



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



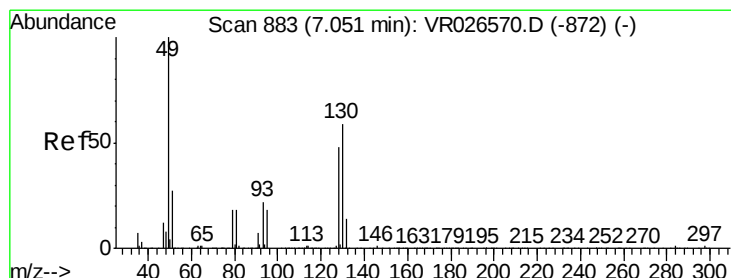
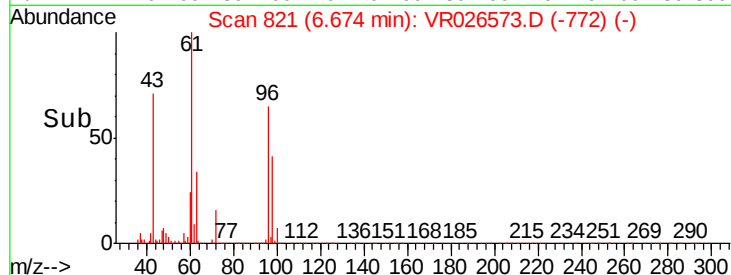
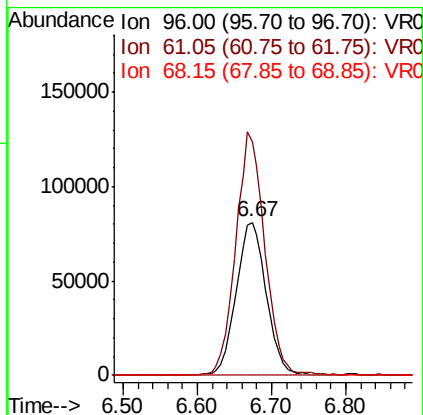
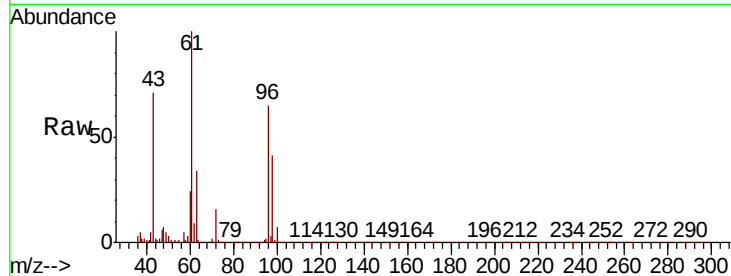


#22

cis-1,2-Dichloroethene
 Concen: 4.878 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: VR026573.D
 Acq: 11 Apr 2019 16:05

Instrument :
 MSVOA_R
 ClientSampleId :
 VICV88

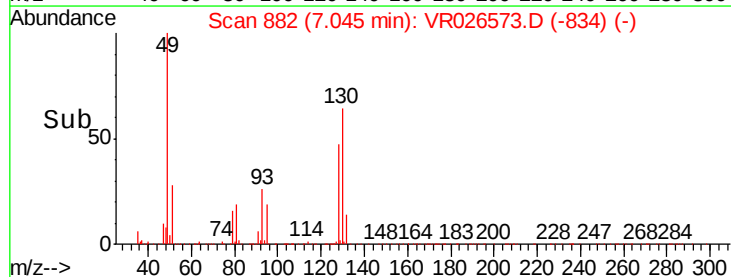
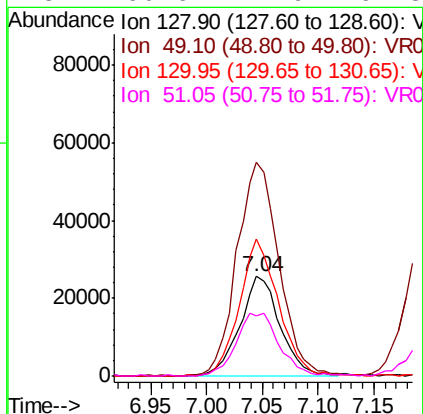
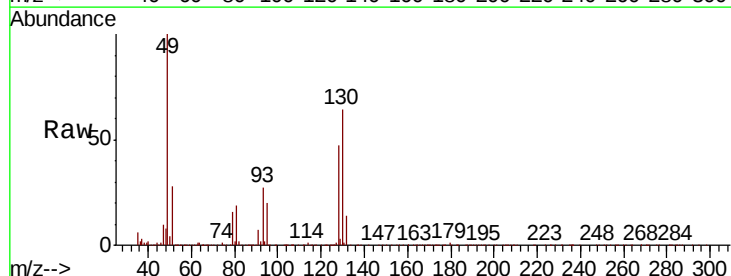
Tot Ion	Ratio	Lower	Upper
96	100		
61	152.7	99.3	184.5
68	0.0	0.1	0.3#

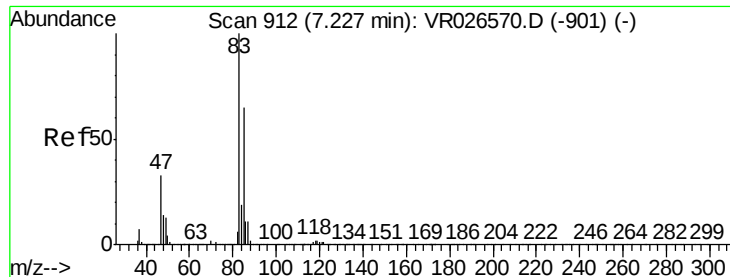


#23

Bromochloromethane
 Concen: 4.140 ug/L
 RT: 7.04 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: VR026573.D
 Acq: 11 Apr 2019 16:05

Tgt Ion	Ratio	Lower	Upper
128	100		
49	214.3	144.4	268.2
130	137.8	86.2	160.0
51	60.6	44.9	67.3





#25

Chloroform

Concen: 4.552 ug/L

RT: 7.23 min Scan# 912

Delta R.T. 0.00 min

Lab File: VR026573.D

Acq: 11 Apr 2019 16:05

Instrument :

MSVOA_R

ClientSampleId :

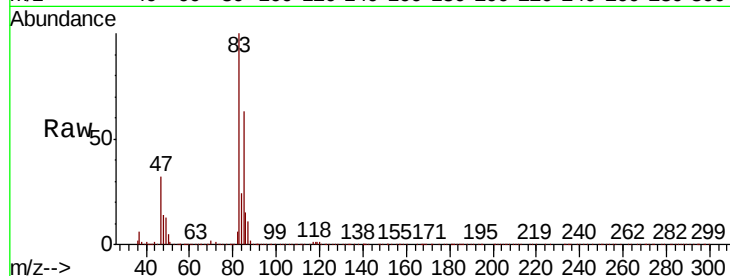
VICV88

Tot Ion: 83 Resp: 459358

Ion Ratio Lower Upper

83 100

85 63.1 45.6 84.6



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

7.23

200000

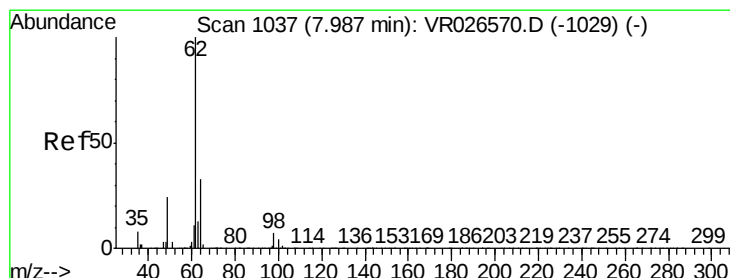
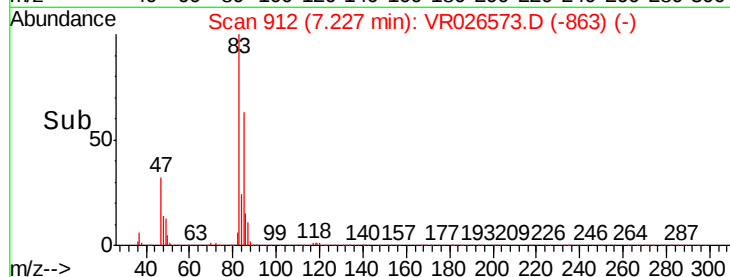
150000

100000

50000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#27

1,2-Dichloroethane

Concen: 0.201 ug/L

RT: 7.91 min Scan# 1024

Delta R.T. -0.08 min

Lab File: VR026573.D

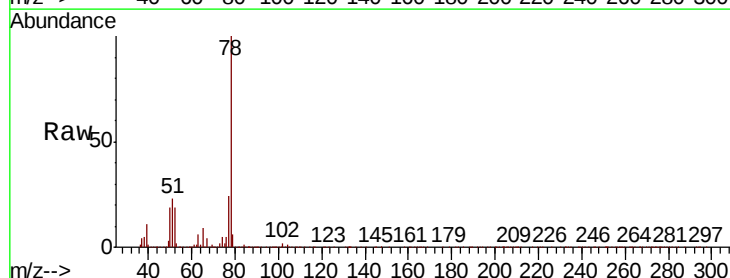
Acq: 11 Apr 2019 16:05

Tgt Ion: 62 Resp: 10145

Ion Ratio Lower Upper

62 100

98 7.2 6.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

40000

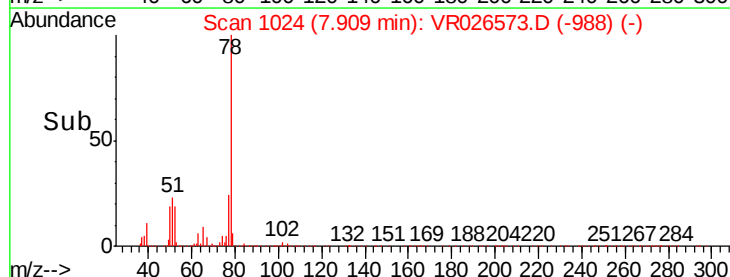
30000

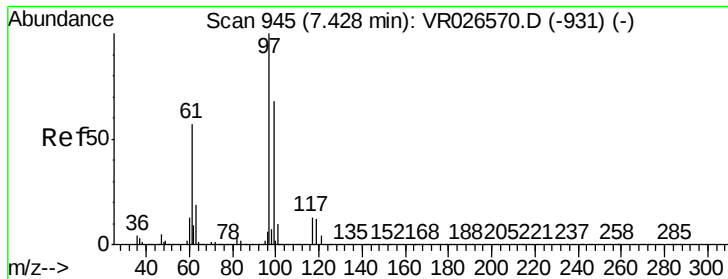
20000

10000

0

Time--> 7.85 7.90 7.95





#29

1,1,1-Trichloroethane

Concen: 4.989 ug/L

RT: 7.43 min Scan# 945

Delta R.T. 0.00 min

Lab File: VR026573.D

Acq: 11 Apr 2019 16:05

Instrument :

MSVOA_R

ClientSampleId :

VICV88

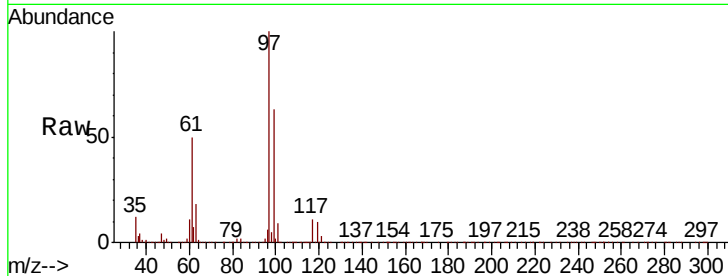
Tot Ion: 97 Resp: 414005

Ion Ratio Lower Upper

97 100

99 62.5 52.0 78.0

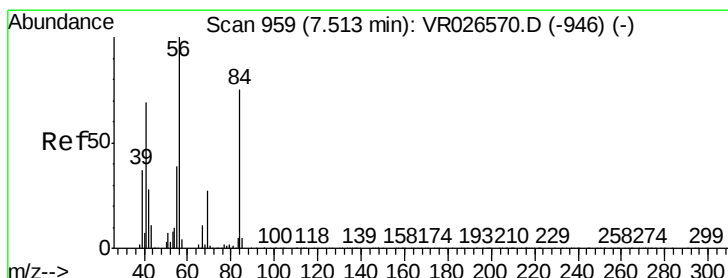
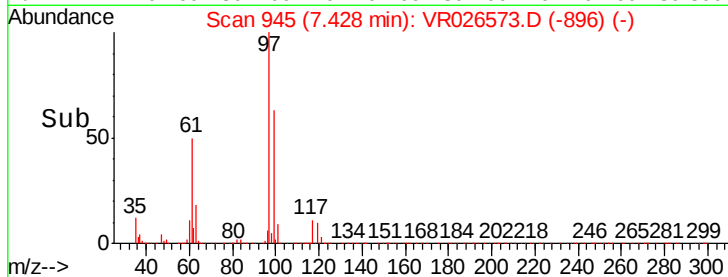
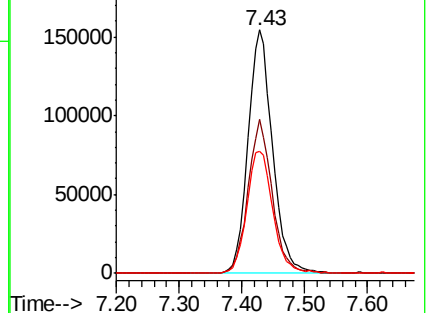
61 53.2 44.5 66.7



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 5.683 ug/L

RT: 7.51 min Scan# 959

Delta R.T. 0.00 min

Lab File: VR026573.D

Acq: 11 Apr 2019 16:05

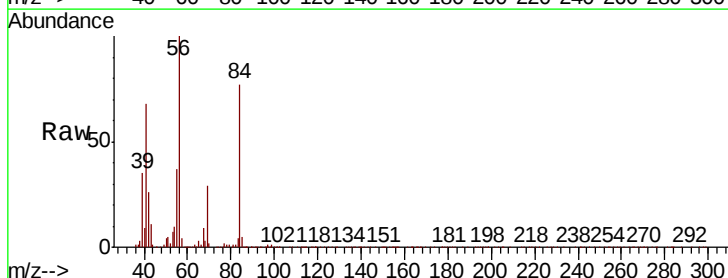
Tgt Ion: 56 Resp: 438655

Ion Ratio Lower Upper

56 100

69 29.3 23.0 34.4

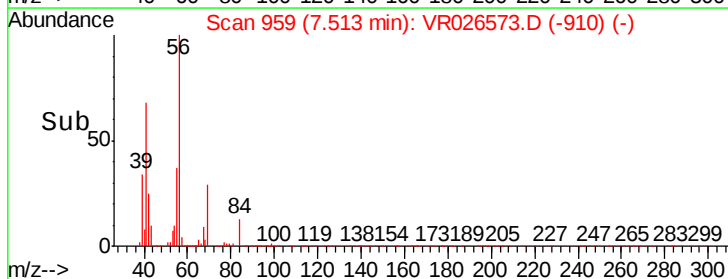
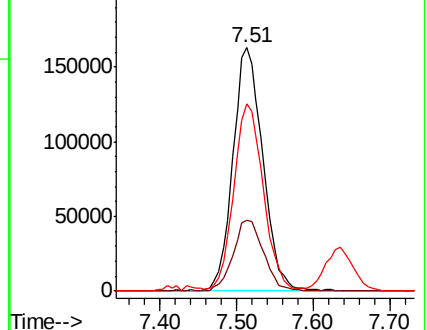
84 76.1 63.4 95.0

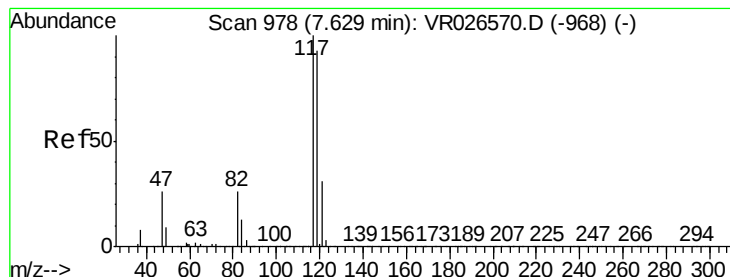


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 4.778 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.01 min

Lab File: VR026573.D

Acq: 11 Apr 2019 16:05

Instrument :

MSVOA_R

ClientSampleId :

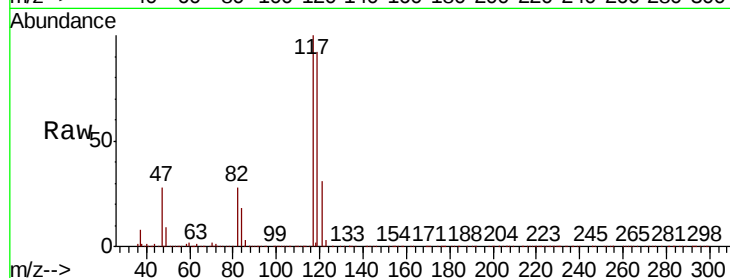
VICV88

Tot Ion:117 Resp: 403594

Ion Ratio Lower Upper

117 100

119 96.0 77.9 116.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.63

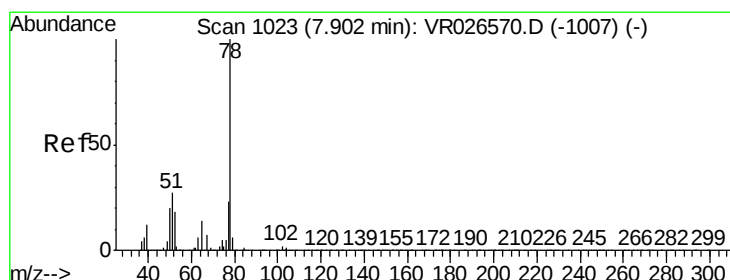
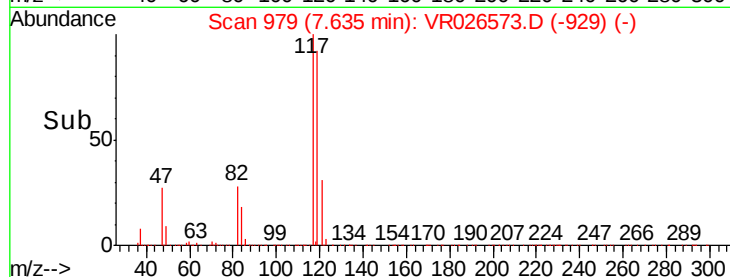
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 4.897 ug/L

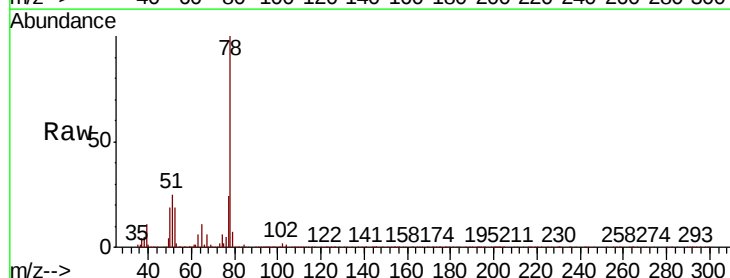
RT: 7.90 min Scan# 1023

Delta R.T. 0.00 min

Lab File: VR026573.D

Acq: 11 Apr 2019 16:05

Tgt Ion: 78 Resp: 1034983



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.90

500000

400000

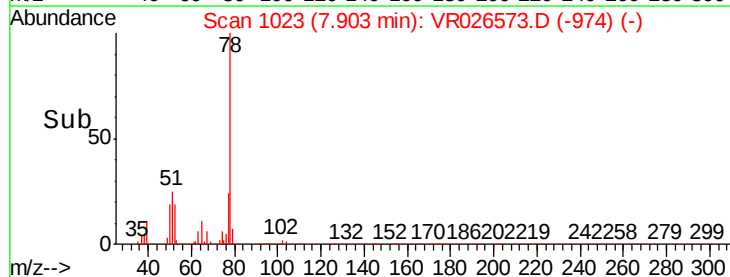
300000

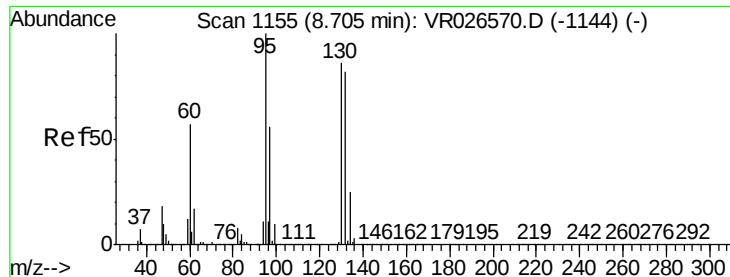
200000

100000

0

Time-->

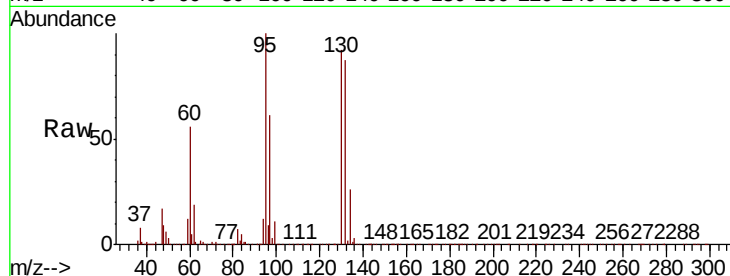




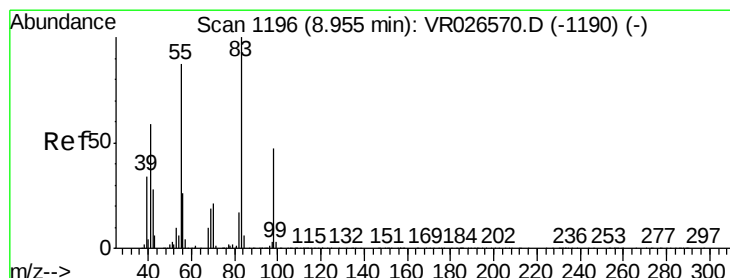
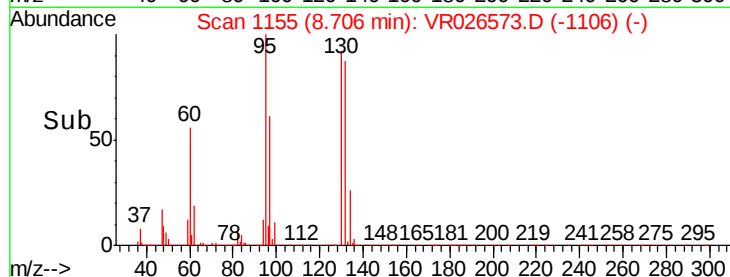
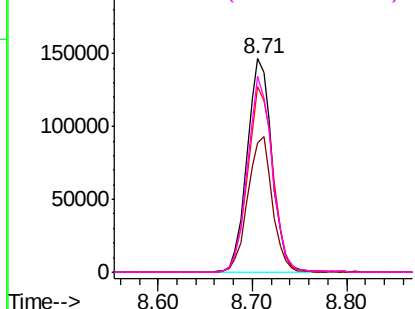
#34
 Trichloroethene
 Concen: 4.782 ug/L
 RT: 8.71 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VR026573.D
 Acq: 11 Apr 2019 16:05

Instrument :
 MSVOA_R
 ClientSampleId :
 VICV88

Tot Ion	95	Resp	270528
Ion Ratio	Lower	Upper	
95	100		
97	60.5	39.1	72.7
132	86.9	57.6	107.0
130	91.5	60.1	111.5

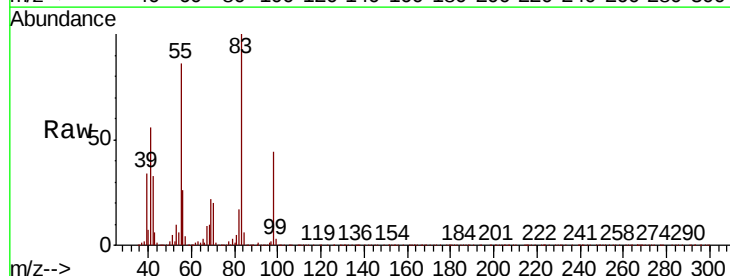


Abundance Ion 95.00 (94.70 to 95.70): VR0
 Ion 96.95 (96.65 to 97.65): VR0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

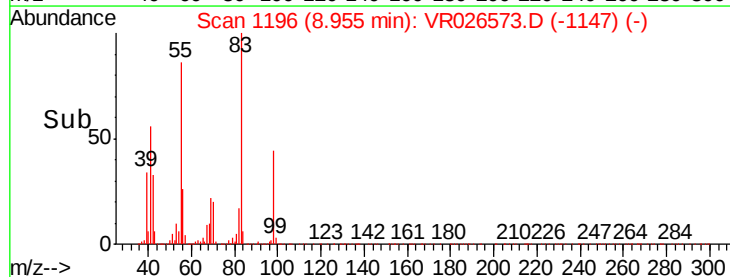
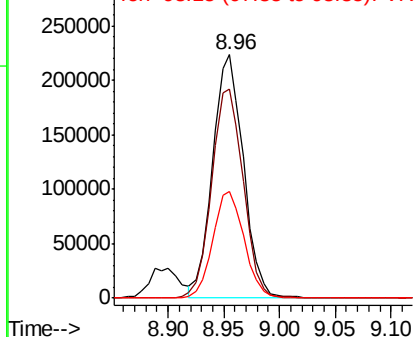


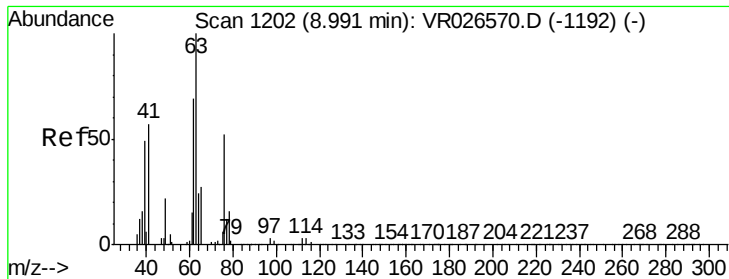
#35
 Methylcyclohexane
 Concen: 5.489 ug/L
 RT: 8.96 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: VR026573.D
 Acq: 11 Apr 2019 16:05

Tgt Ion	83	Resp	426170
Ion Ratio	Lower	Upper	
83	100		
55	87.7	70.7	106.1
98	43.6	36.0	54.0



Abundance Ion 83.15 (82.85 to 83.85): VR0
 Ion 55.10 (54.80 to 55.80): VR0
 Ion 98.15 (97.85 to 98.85): VR0

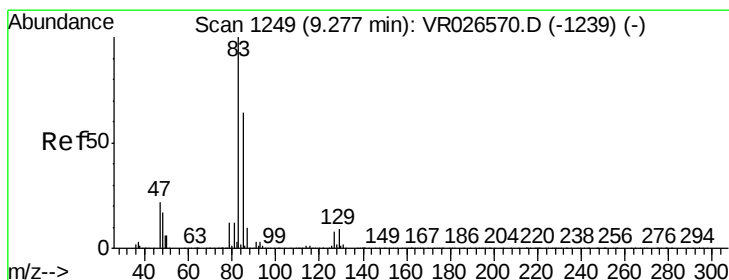
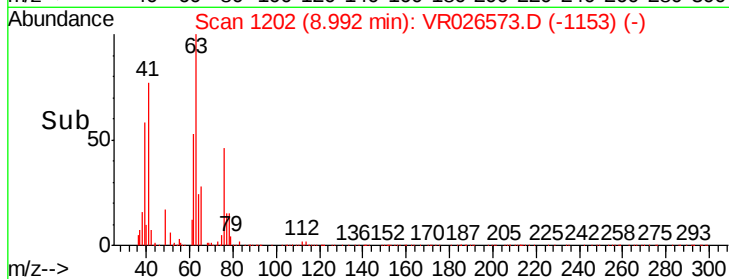
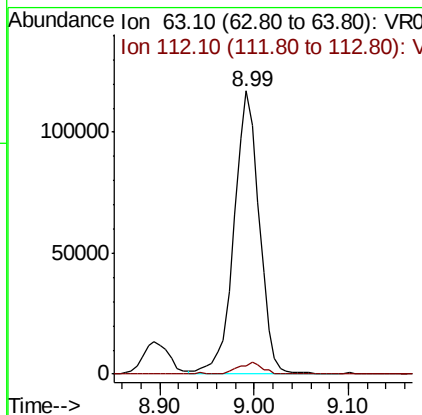
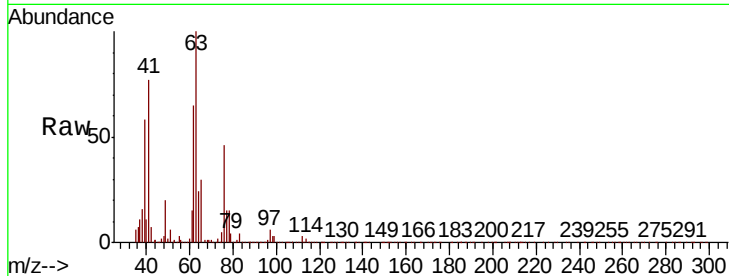




#37
 1,2-Dichloropropane
 Concen: 4.749 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VR026573.D
 Acq: 11 Apr 2019 16:05

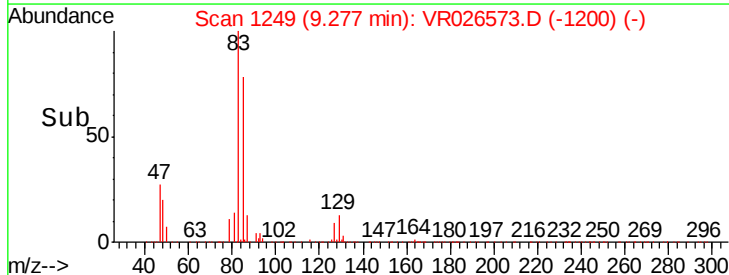
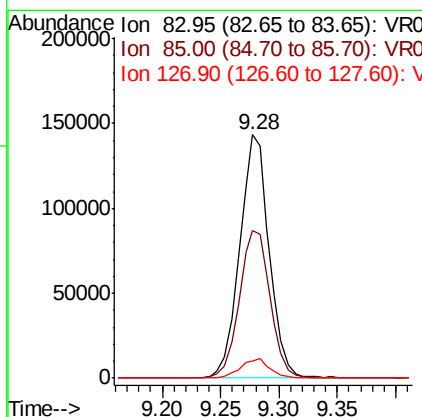
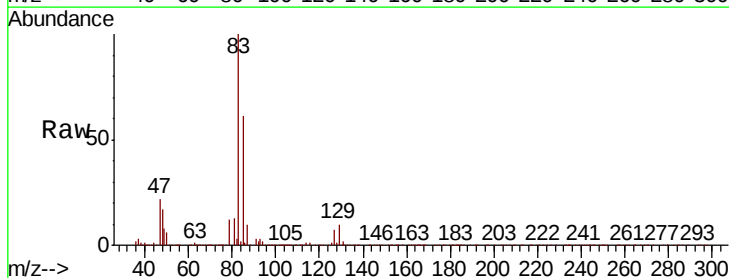
Instrument :
 MSVOA_R
 ClientSampled :
 VICV88

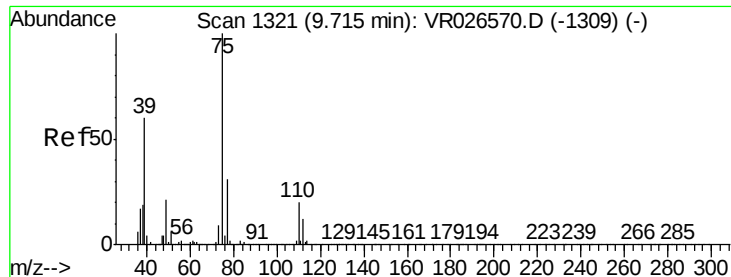
Tot Ion: 63 Resp: 216617
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.4



#38
 Bromodichloromethane
 Concen: 4.774 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VR026573.D
 Acq: 11 Apr 2019 16:05

Tgt Ion: 83 Resp: 251507
 Ion Ratio Lower Upper
 83 100
 85 60.6 44.7 83.1
 127 6.9 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 5.025 ug/L

RT: 9.72 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VR026573.D

Acq: 11 Apr 2019 16:05

Instrument :

MSVOA_R

ClientSampleId :

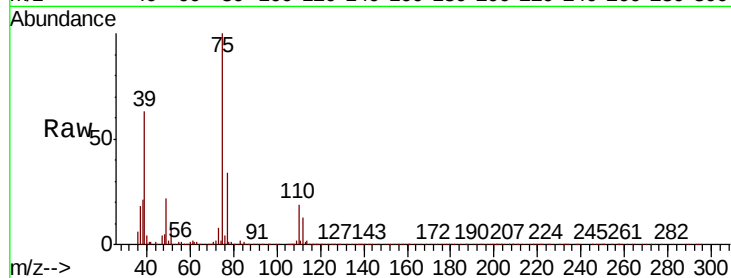
VICV88

Tot Ion: 75 Resp: 249453

Ion Ratio Lower Upper

75 100

77 33.6 21.4 39.8



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

150000

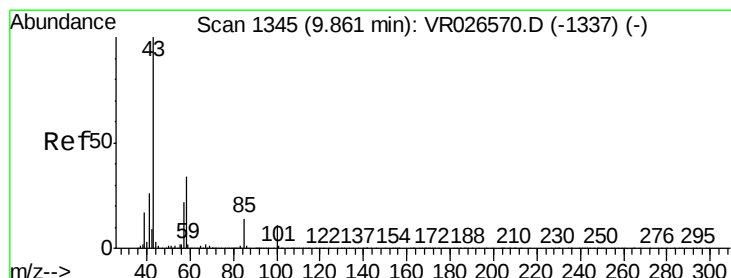
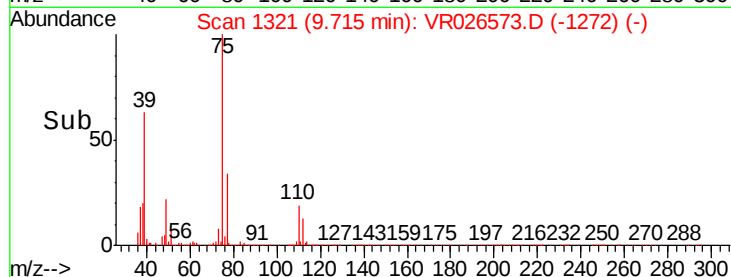
100000

50000

0

9.60 9.70 9.80

Time-->



#40

4-Methyl-2-pentanone

Concen: 52.288 ug/L

RT: 9.86 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VR026573.D

Acq: 11 Apr 2019 16:05

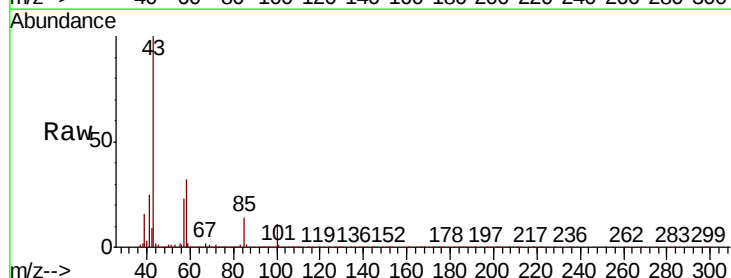
Tgt Ion: 43 Resp: 706580

Ion Ratio Lower Upper

43 100

58 33.7 27.0 40.4

100 10.9 9.0 13.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0

600000

500000

400000

300000

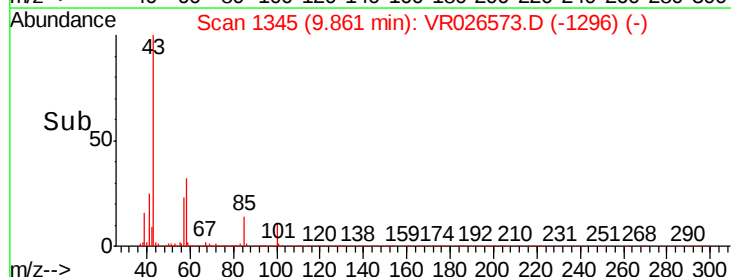
200000

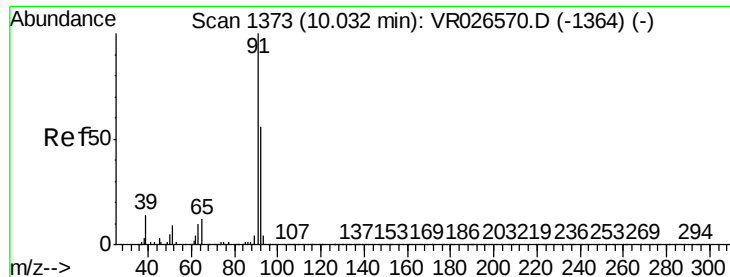
100000

0

9.80 9.90

Time-->





#42

Toluene

Concen: 5.053 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR026573.D

Acq: 11 Apr 2019 16:05

Instrument :

MSVOA_R

ClientSampleId :

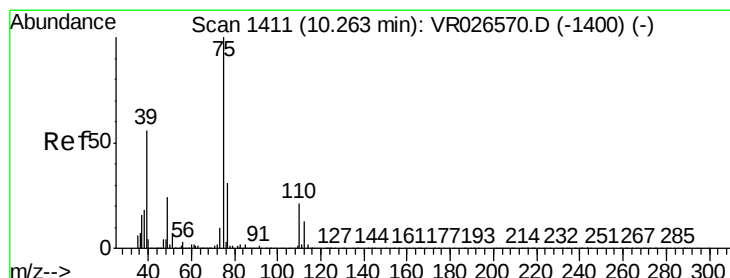
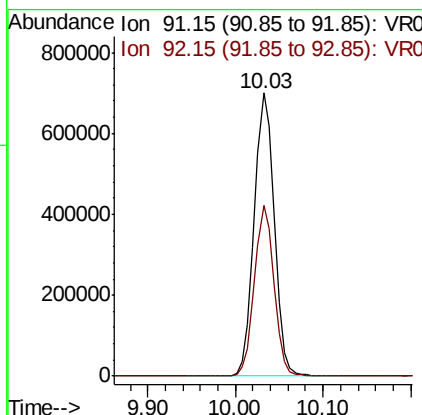
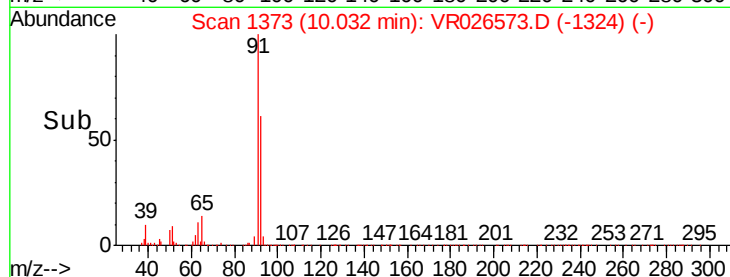
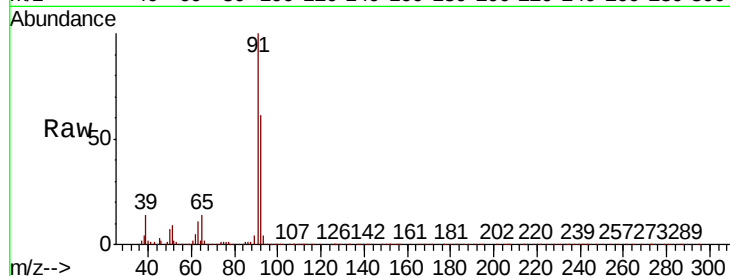
VICV88

Tot Ion: 91 Resp: 1108332

Ion Ratio Lower Upper

91 100

92 60.5 39.2 72.8



#44

trans-1,3-Dichloropropene

Concen: 4.965 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026573.D

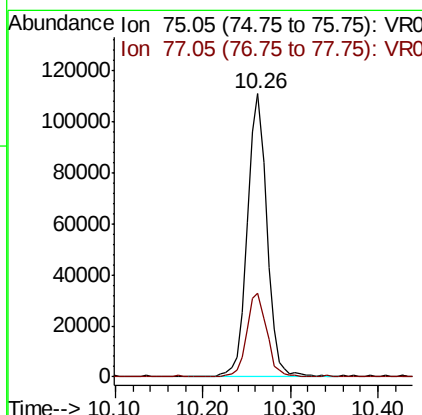
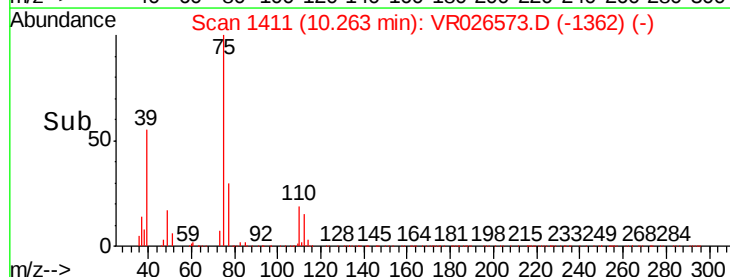
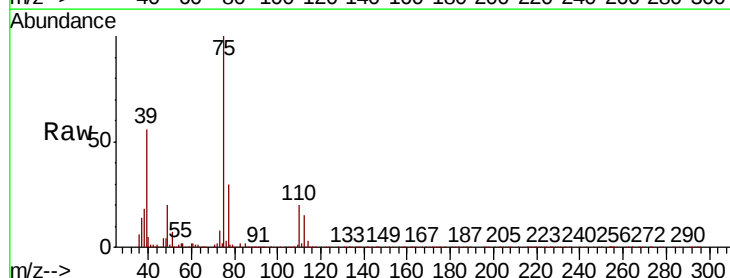
Acq: 11 Apr 2019 16:05

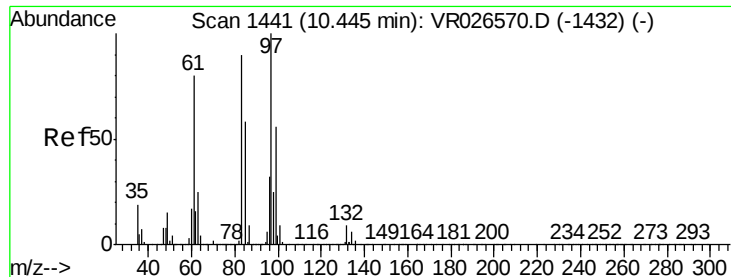
Tgt Ion: 75 Resp: 171559

Ion Ratio Lower Upper

75 100

77 29.7 21.6 40.2

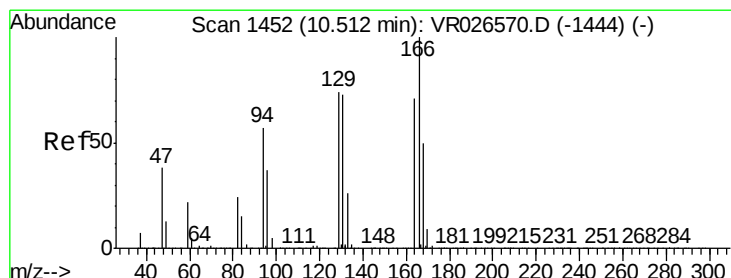
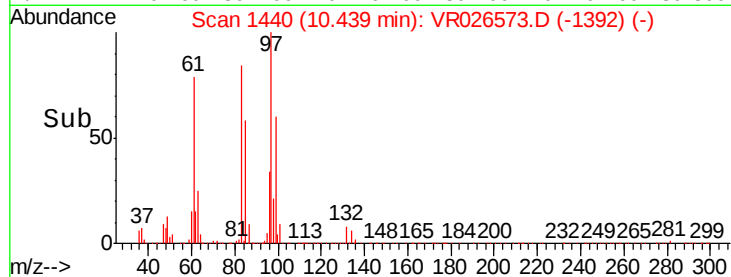
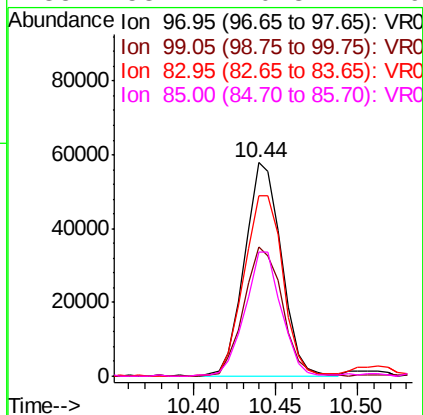
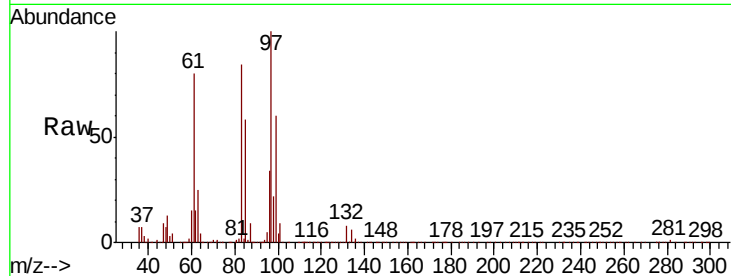




#45
 1,1,2-Trichloroethane
 Concen: 4.496 ug/L
 RT: 10.44 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VR026573.D
 Acq: 11 Apr 2019 16:05

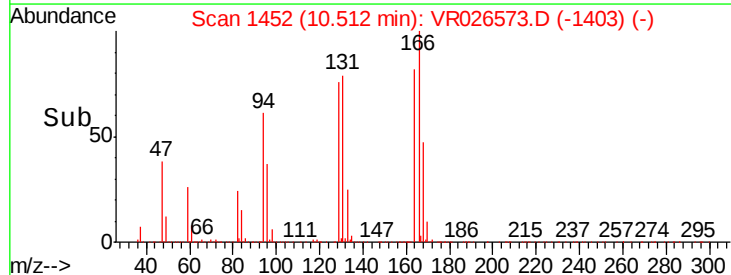
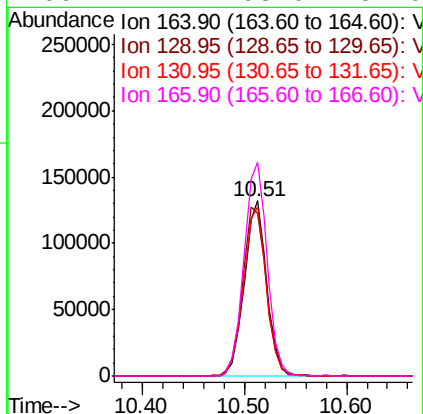
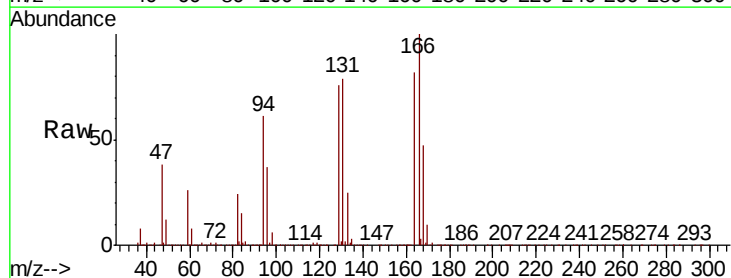
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV88

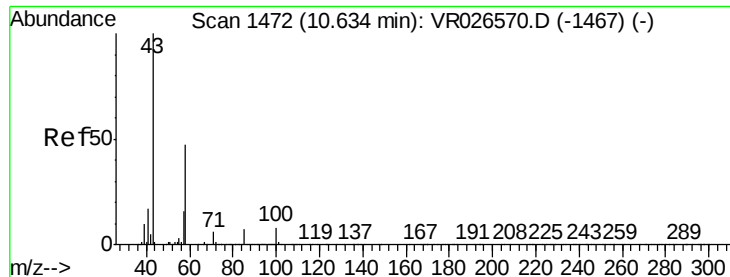
Tot Ion:	97	Resp:	90561
Ion	Ratio	Lower	Upper
97	100		
99	60.4	39.3	72.9
83	84.4	63.0	117.0
85	58.4	40.3	74.9



#47
 Tetrachloroethene
 Concen: 4.824 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026573.D
 Acq: 11 Apr 2019 16:05

Tgt Ion:	164	Resp:	199284
Ion	Ratio	Lower	Upper
164	100		
129	92.8	72.7	134.9
131	97.0	72.0	133.6
166	122.2	98.0	182.0

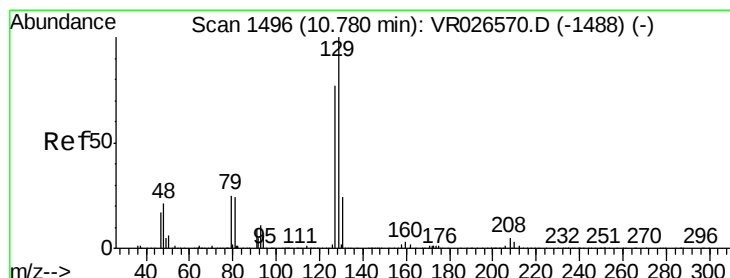
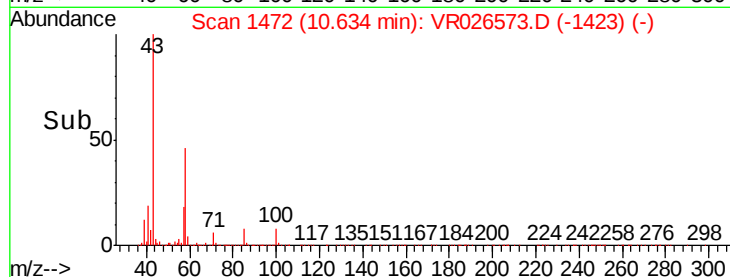
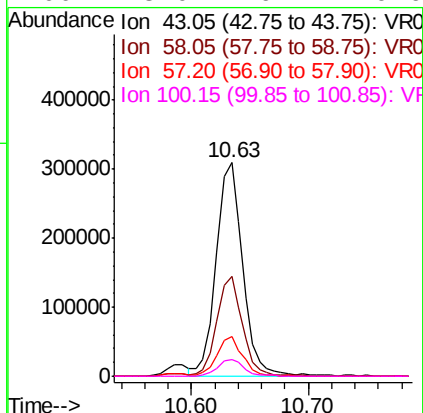
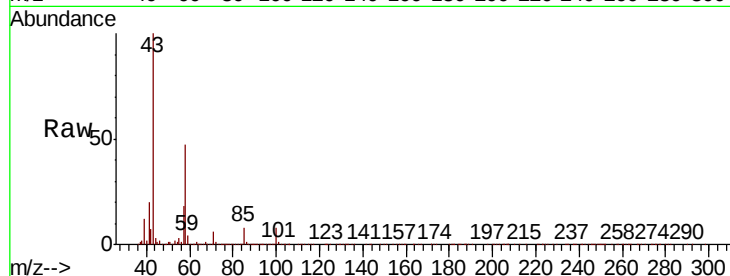




#48
2-Hexanone
Concen: 50.416 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026573.D
Acq: 11 Apr 2019 16:05

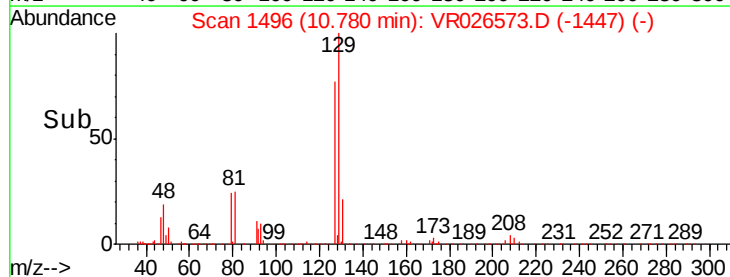
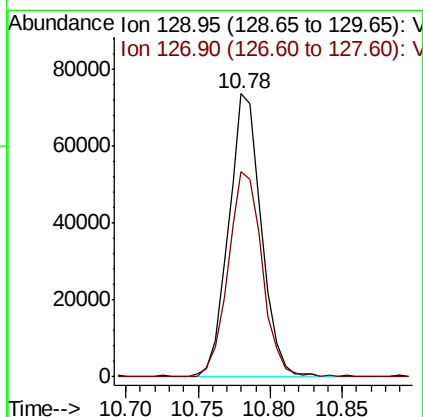
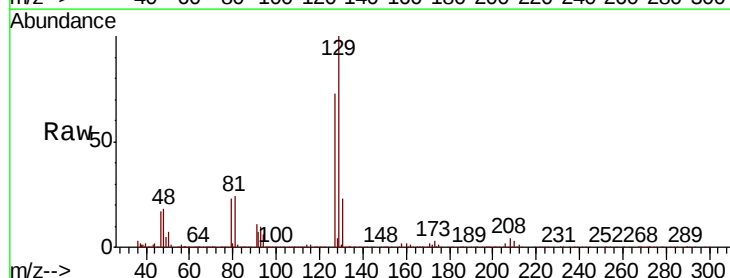
Instrument :
MSVOA_R
ClientSampleId :
VICV88

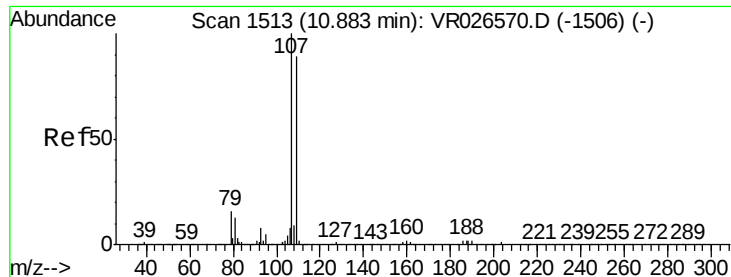
Tot Ion: 43 Resp: 483743
Ion Ratio Lower Upper
43 100
58 44.8 37.2 55.8
57 18.0 13.4 20.0
100 8.0 6.4 9.6



#49
Dibromochloromethane
Concen: 4.746 ug/L
RT: 10.78 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VR026573.D
Acq: 11 Apr 2019 16:05

Tgt Ion: 129 Resp: 116268
Ion Ratio Lower Upper
129 100
127 72.7 53.9 100.1

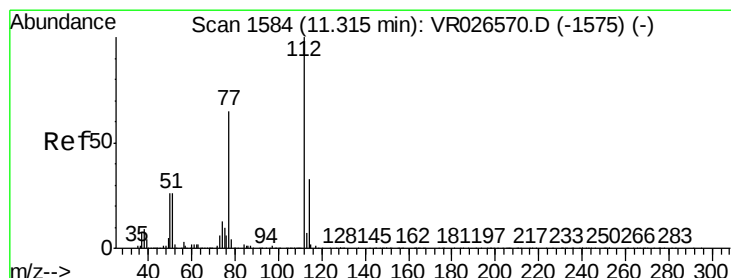
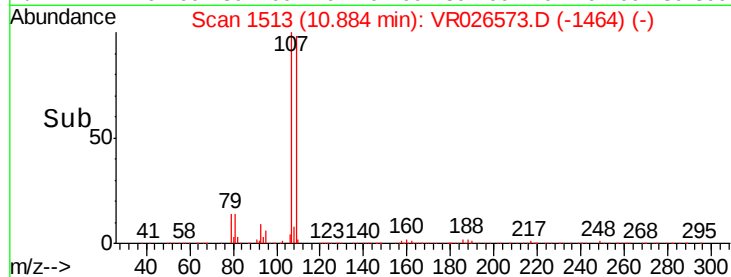
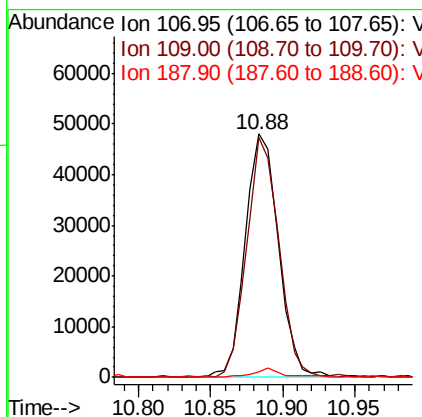
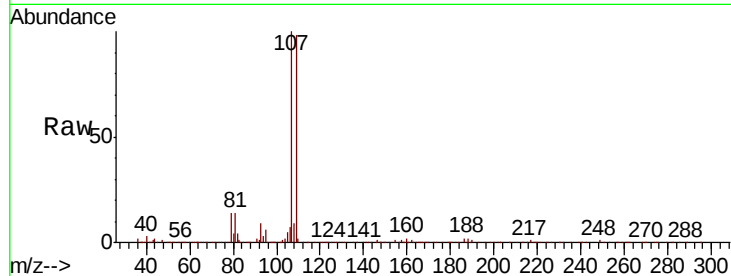




#50
1,2-Dibromoethane
Concen: 4.482 ug/L
RT: 10.88 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VR026573.D
Acq: 11 Apr 2019 16:05

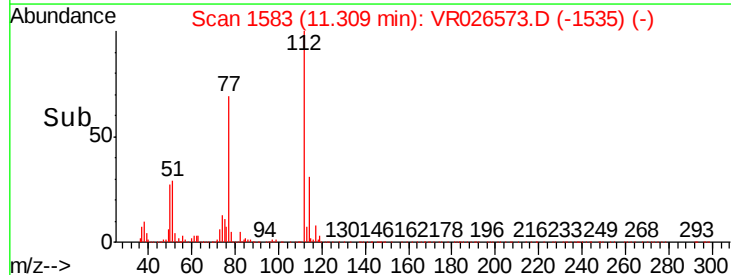
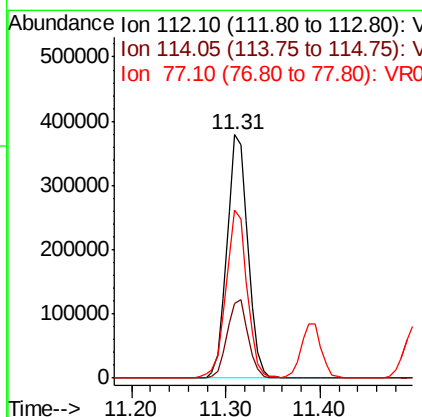
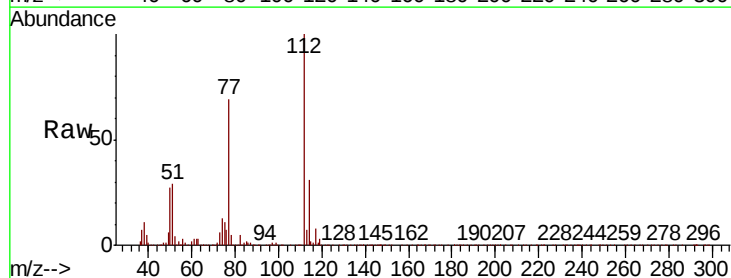
Instrument :
MSVOA_R
ClientSampleId :
VICV88

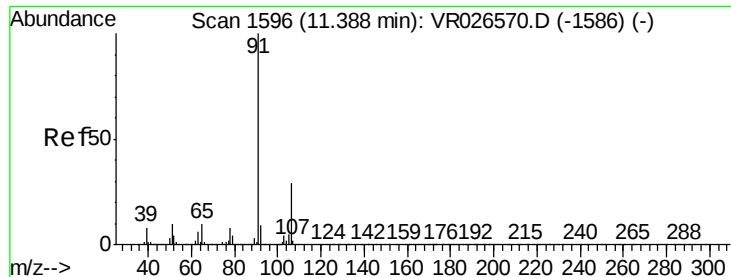
Tot Ion:107 Resp: 76509
Ion Ratio Lower Upper
107 100
109 98.3 62.6 116.3
188 2.2 3.4 5.0#



#51
Chlorobenzene
Concen: 4.604 ug/L
RT: 11.31 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VR026573.D
Acq: 11 Apr 2019 16:05

Tgt Ion:112 Resp: 582256
Ion Ratio Lower Upper
112 100
114 30.8 22.8 42.4
77 68.8 51.8 77.8





#52

Ethylbenzene

Concen: 5.166 ug/L

RT: 11.39 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VR026573.D

Acq: 11 Apr 2019 16:05

Instrument :

MSVOA_R

ClientSampleId :

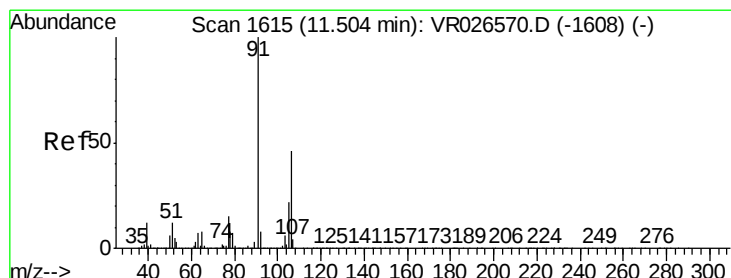
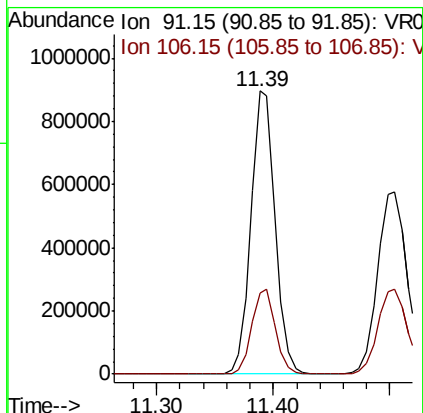
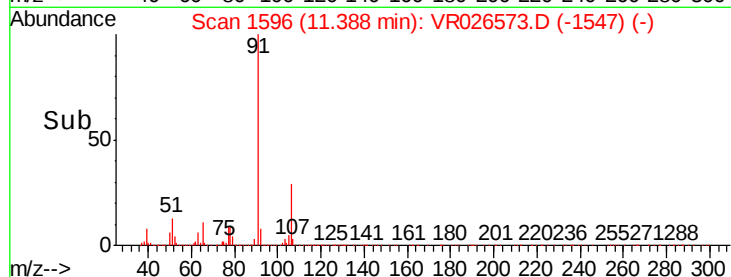
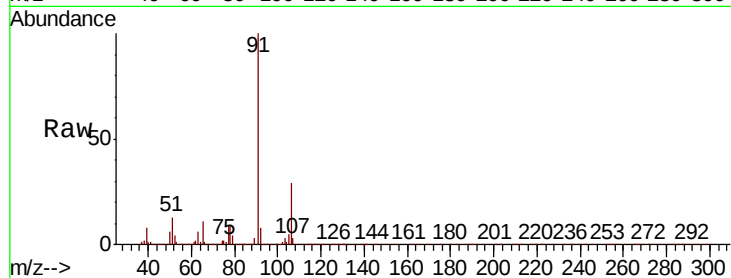
VICV88

Tot Ion: 91 Resp: 1292722

Ion Ratio Lower Upper

91 100

106 28.9 20.4 38.0



#53

m,p-Xylene

Concen: 5.203 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026573.D

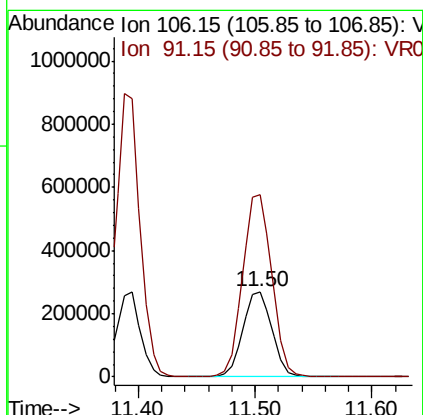
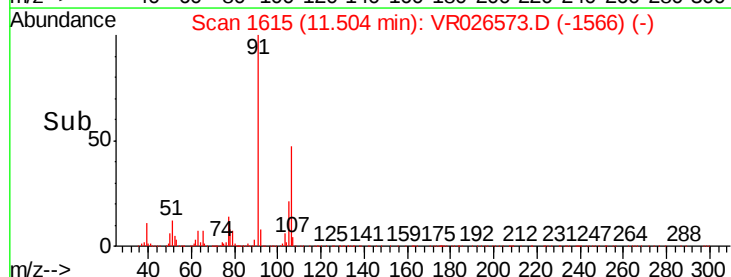
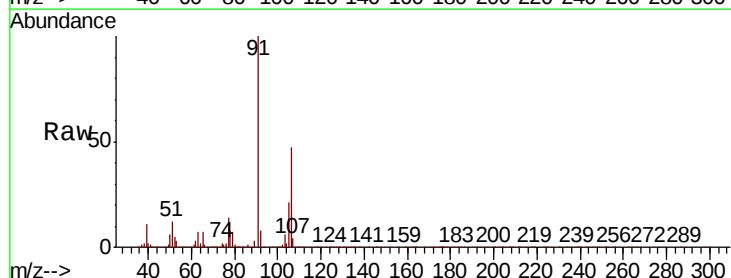
Acq: 11 Apr 2019 16:05

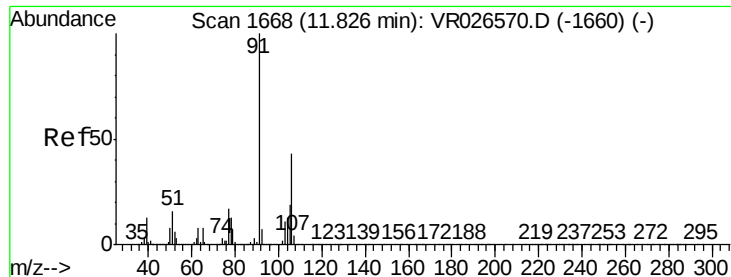
Tgt Ion: 106 Resp: 467477

Ion Ratio Lower Upper

106 100

91 214.1 151.8 282.0

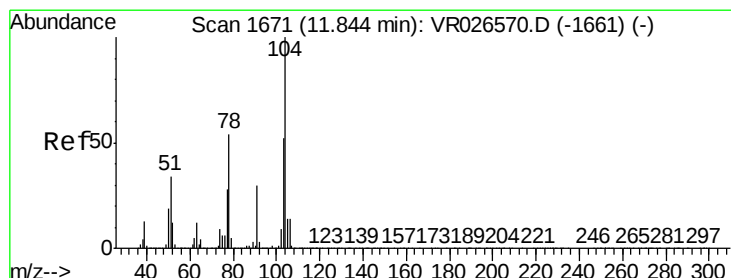
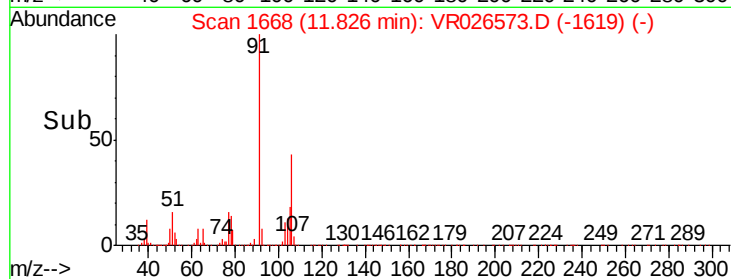
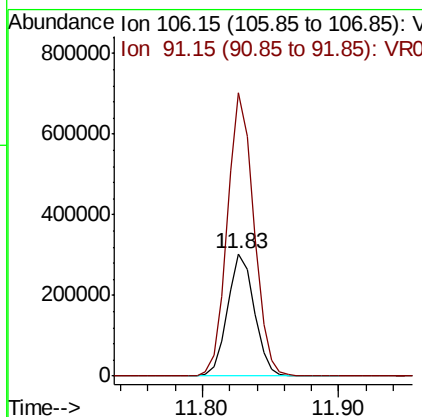
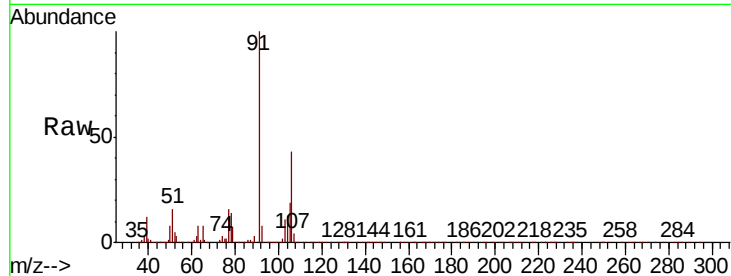




#54
o-Xylene
Concen: 5.168 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VR026573.D
Acq: 11 Apr 2019 16:05

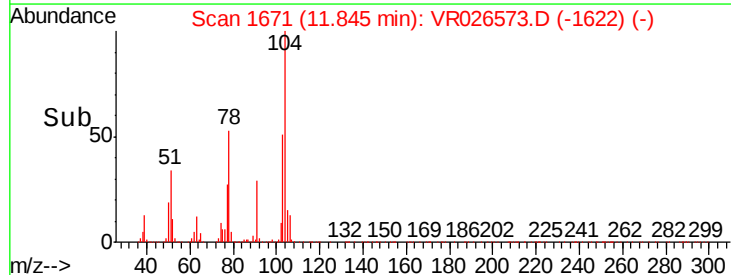
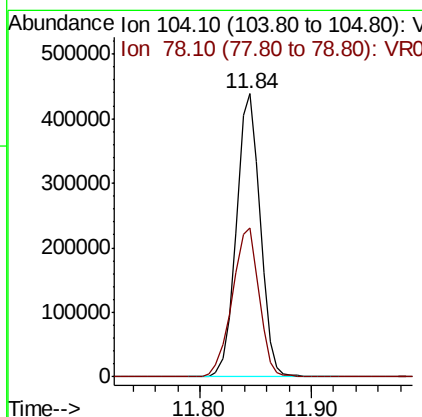
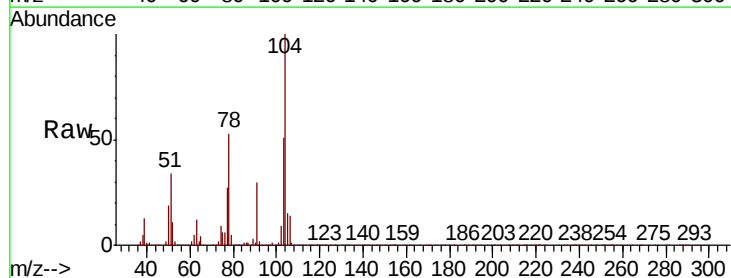
Instrument :
MSVOA_R
ClientSampleId :
VICV88

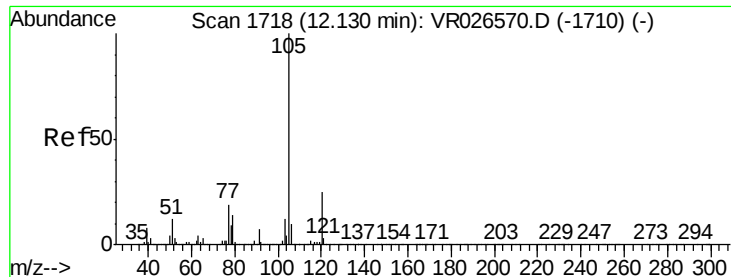
Tot Ion:106 Resp: 414987
Ion Ratio Lower Upper
106 100
91 231.9 161.0 299.0



#55
Styrene
Concen: 5.049 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026573.D
Acq: 11 Apr 2019 16:05

Tgt Ion:104 Resp: 649094
Ion Ratio Lower Upper
104 100
78 52.7 37.5 69.7





#56

Isopropylbenzene

Concen: 5.427 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026573.D

Acq: 11 Apr 2019 16:05

Instrument :

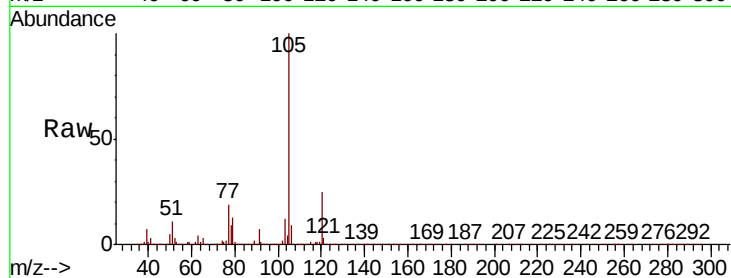
MSVOA_R

ClientSampleId :

VICV88

Tot Ion:105 Resp: 1206046

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.6	31.0
77	18.6	14.3	21.5

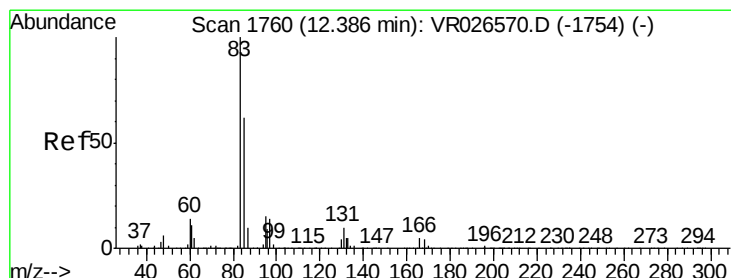
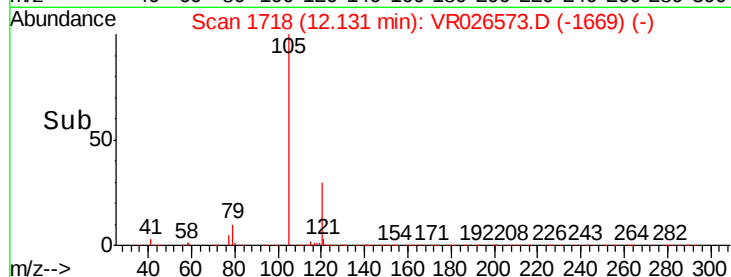
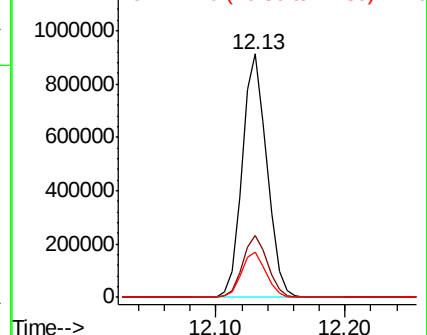


Abundance

Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.468 ug/L

RT: 12.38 min Scan# 1759

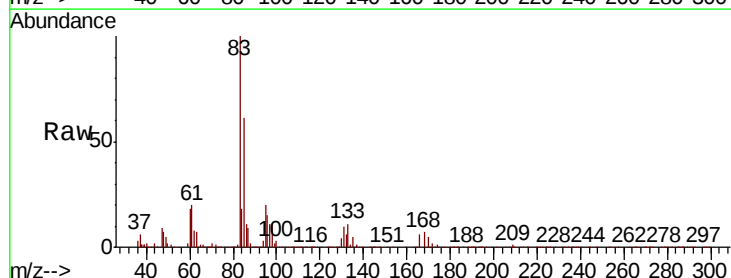
Delta R.T. -0.01 min

Lab File: VR026573.D

Acq: 11 Apr 2019 16:05

Tgt Ion: 83 Resp: 85904

Ion	Ratio	Lower	Upper
83	100		
85	61.2	44.3	82.3
131	9.9	8.9	13.3

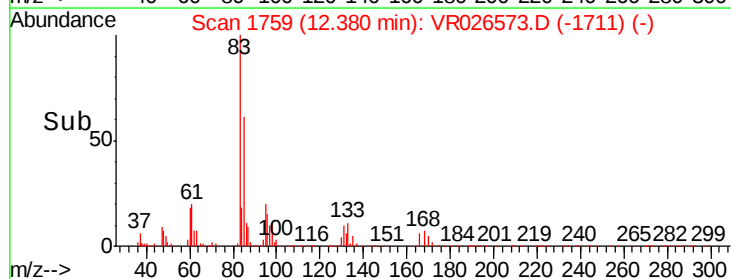
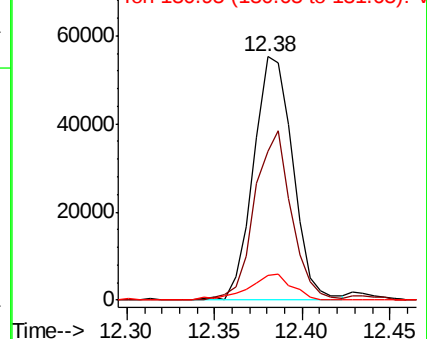


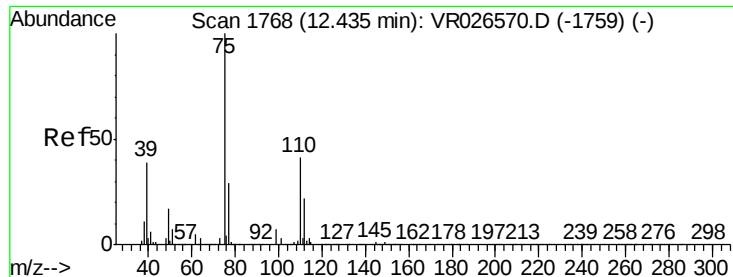
Abundance

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

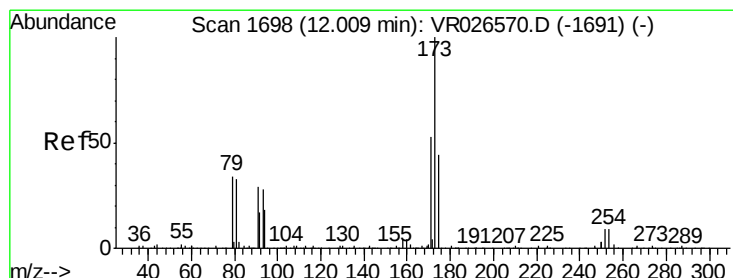
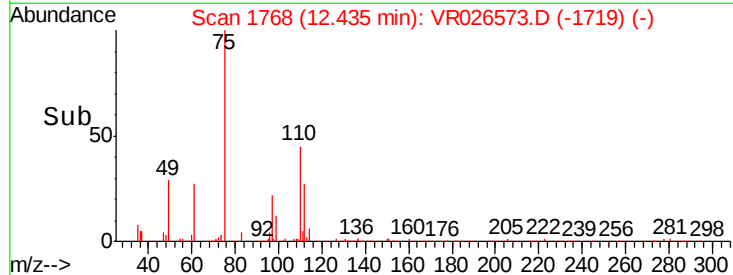
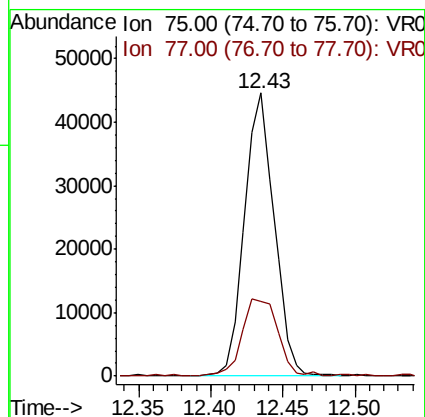
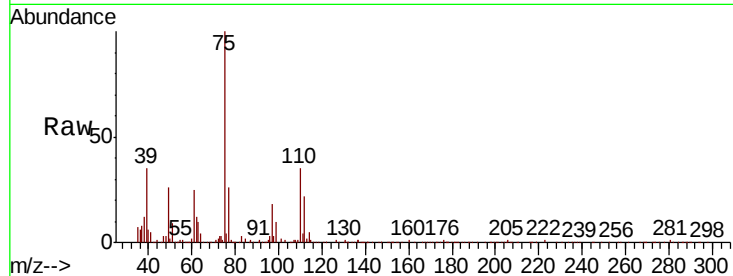




#59
 1,2,3-Trichloropropane
 Concen: 4.454 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. 0.00 min
 Lab File: VR026573.D
 Acq: 11 Apr 2019 16:05

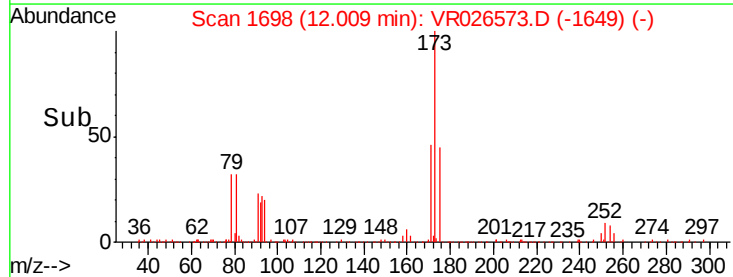
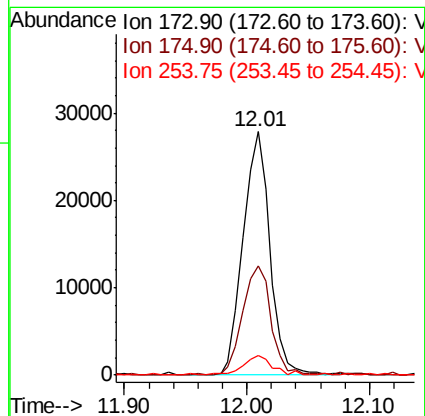
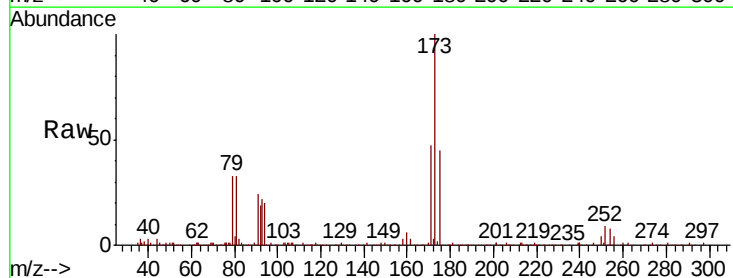
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV88

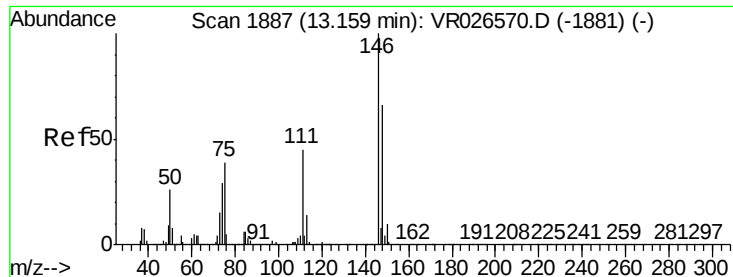
Tot Ion: 75 Resp: 63904
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.2 37.8



#61
 Bromoform
 Concen: 4.399 ug/L
 RT: 12.01 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VR026573.D
 Acq: 11 Apr 2019 16:05

Tgt Ion:173 Resp: 42317
 Ion Ratio Lower Upper
 173 100
 175 46.8 39.1 58.7
 254 9.0 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 4.825 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VR026573.D

Acq: 11 Apr 2019 16:05

Instrument :

MSVOA_R

ClientSampleId :

VICV88

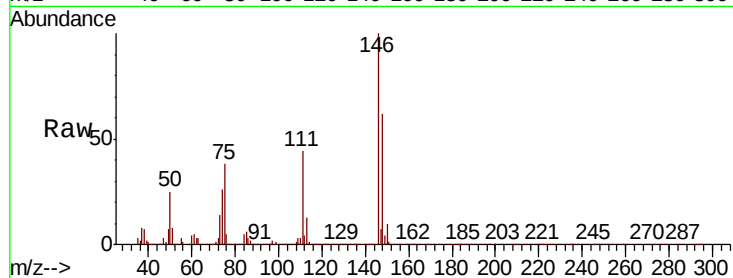
Tot Ion:146 Resp: 342560

Ion Ratio Lower Upper

146 100

111 44.1 31.4 58.2

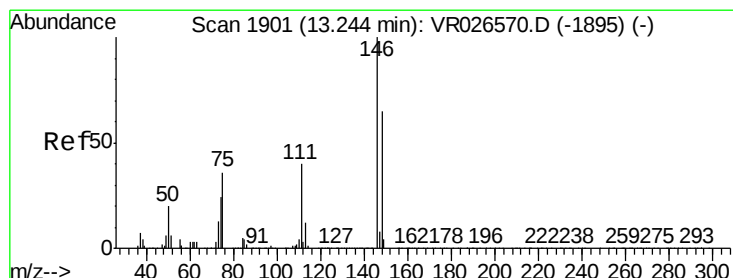
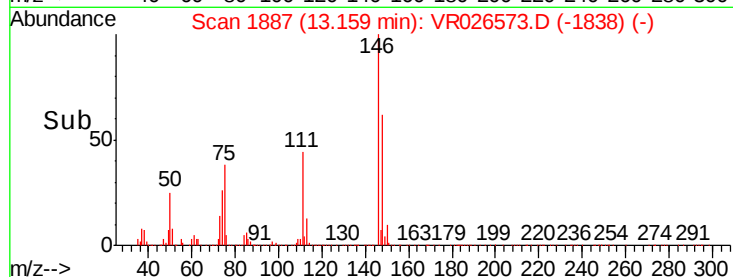
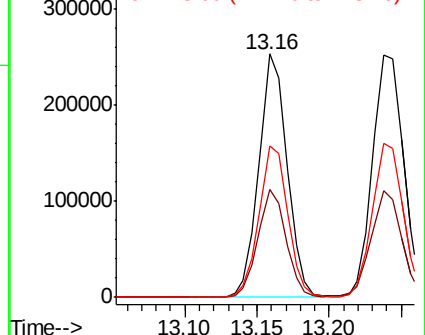
148 62.2 46.5 86.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.397 ug/L

RT: 13.24 min Scan# 1900

Delta R.T. -0.01 min

Lab File: VR026573.D

Acq: 11 Apr 2019 16:05

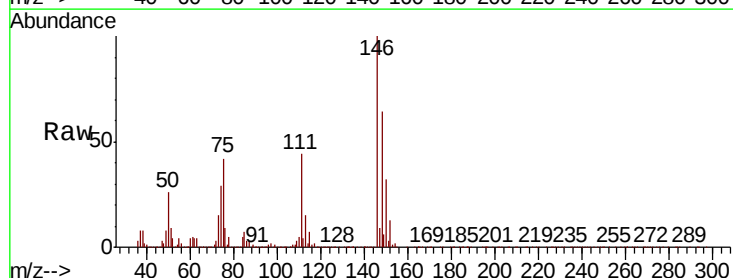
Tgt Ion:146 Resp: 374230

Ion Ratio Lower Upper

146 100

111 44.2 28.4 52.8

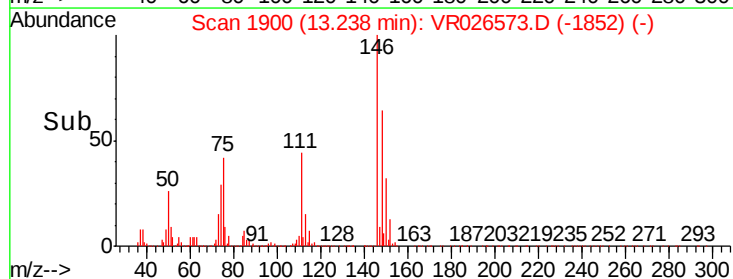
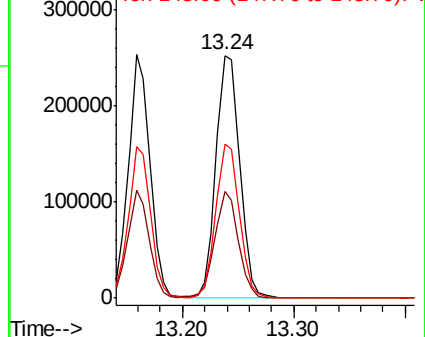
148 63.7 45.4 84.4

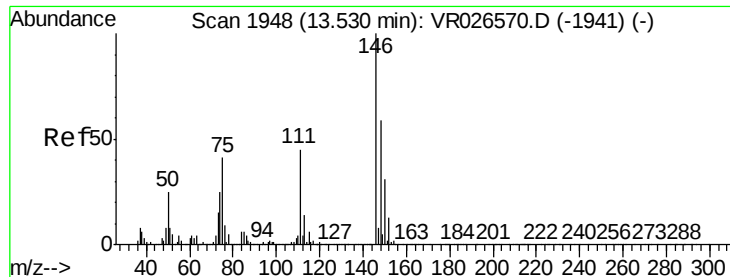


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

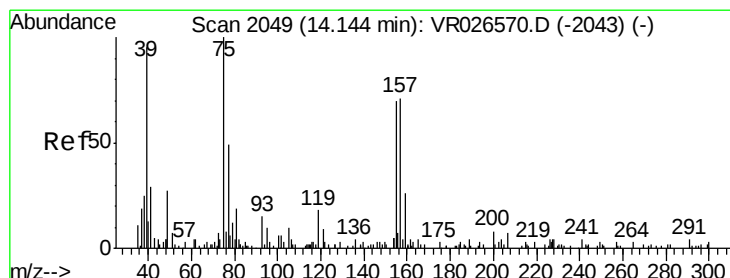
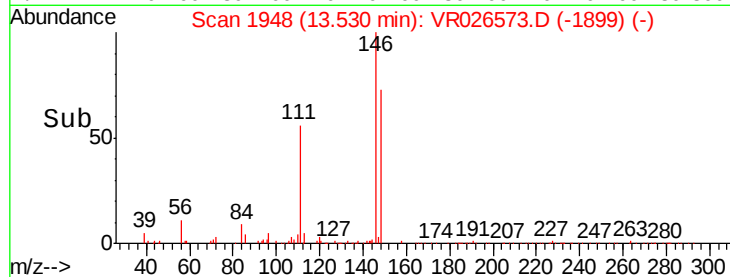
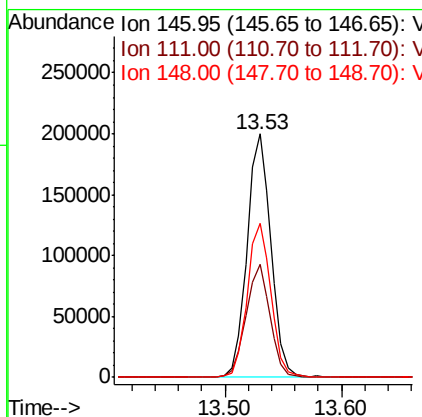
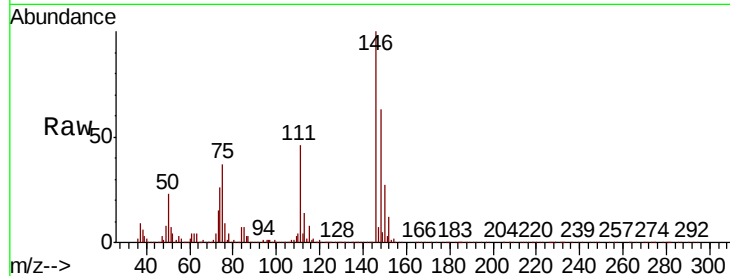




#65
1,2-Dichlorobenzene
Concen: 4.639 ug/L
RT: 13.53 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VR026573.D
Acq: 11 Apr 2019 16:05

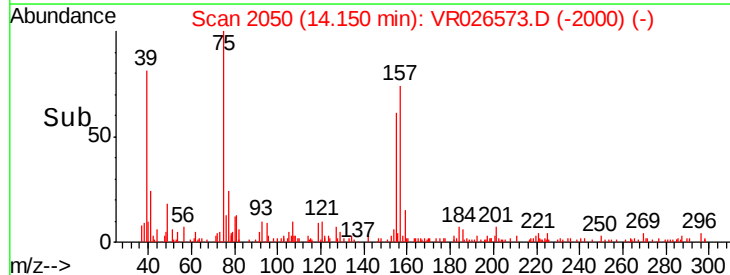
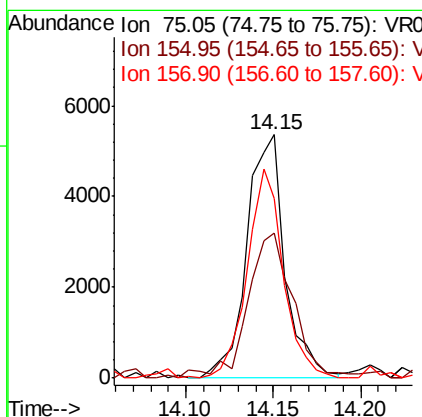
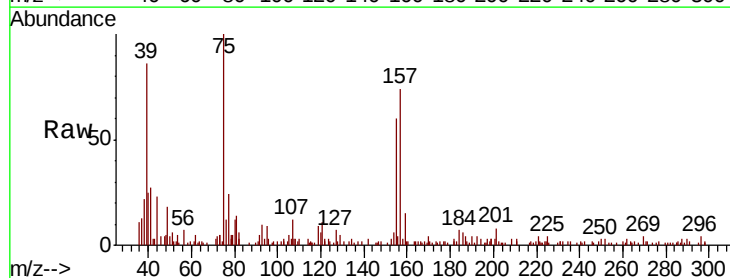
Instrument :
MSVOA_R
ClientSampled :
VICV88

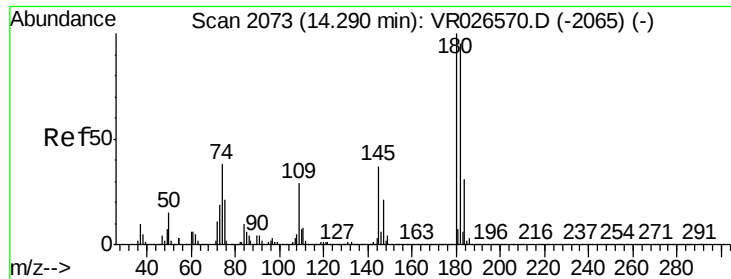
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.5	35.8	53.8
148	63.3	47.4	71.0



#66
1,2-Dibromo-3-chloropropane
Concen: 3.455 ug/L
RT: 14.15 min Scan# 2050
Delta R.T. 0.01 min
Lab File: VR026573.D
Acq: 11 Apr 2019 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	59.8	57.2	85.8
157	74.0	56.7	85.1

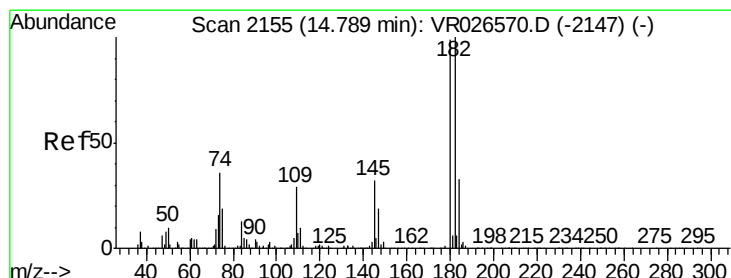
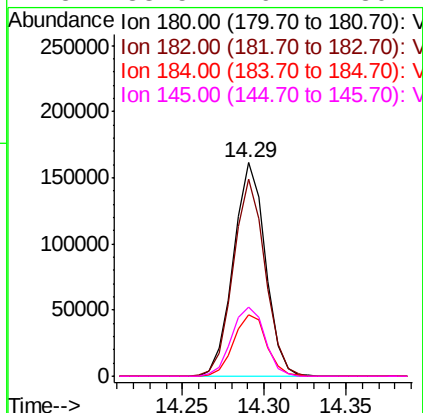
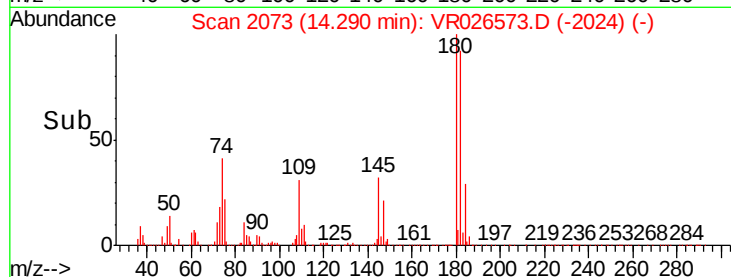
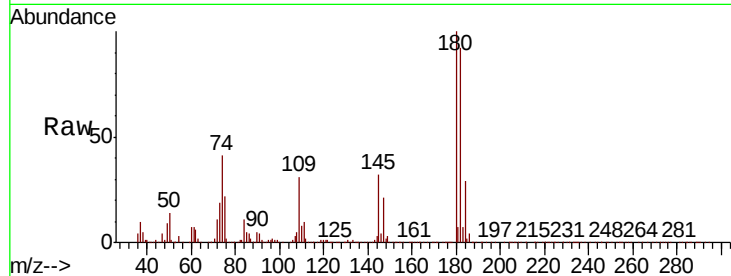




#67
 1,3,5-Trichlorobenzene
 Concen: 4.720 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026573.D
 Acq: 11 Apr 2019 16:05

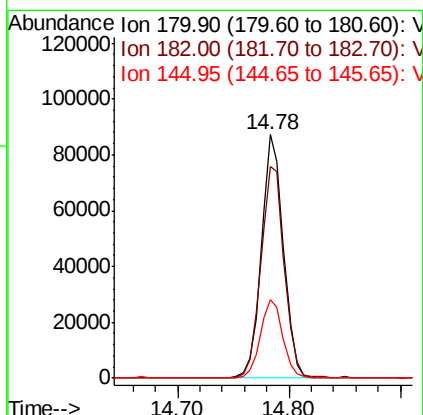
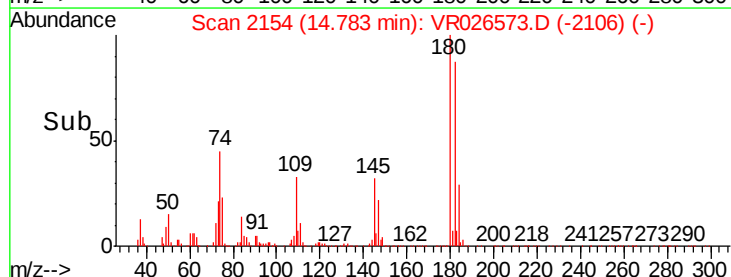
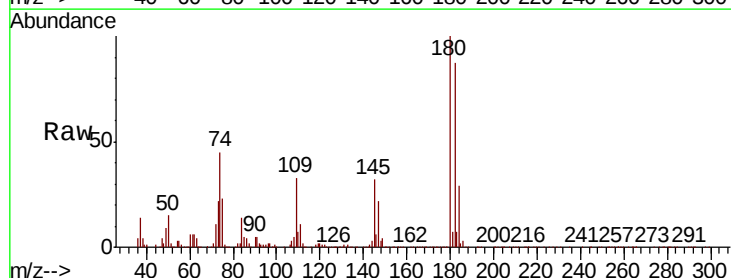
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV88

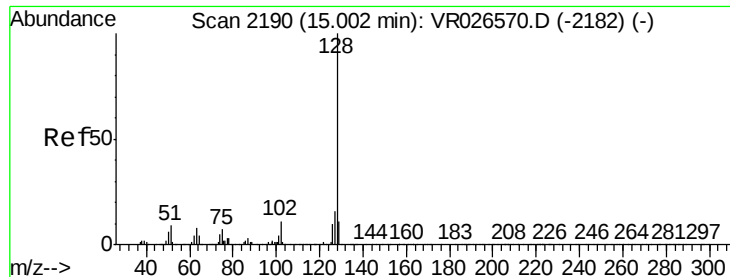
Tot Ion:	180	Resp:	220113
Ion	Ratio	Lower	Upper
180	100		
182	92.5	74.4	111.6
184	29.9	24.6	37.0
145	33.5	26.2	39.4



#68
 1,2,4-trichlorobenzene
 Concen: 4.630 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR026573.D
 Acq: 11 Apr 2019 16:05

Tgt Ion:	180	Resp:	120173
Ion	Ratio	Lower	Upper
180	100		
182	92.8	76.0	114.0
145	33.0	26.1	39.1





#69

Naphthalene

Concen: 4.442 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026573.D

Acq: 11 Apr 2019 16:05

Instrument :

MSVOA_R

ClientSampleId :

VICV88

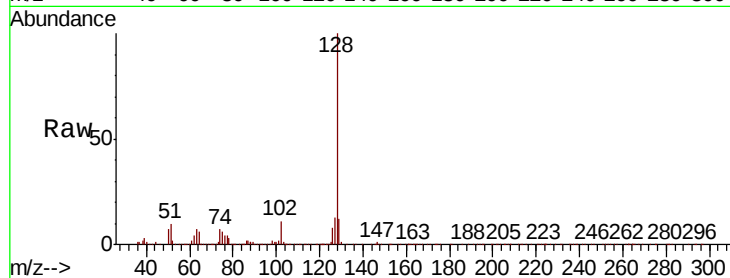
Tot Ion:128 Resp: 105918

Ion Ratio Lower Upper

128 100

127 13.2 11.8 17.6

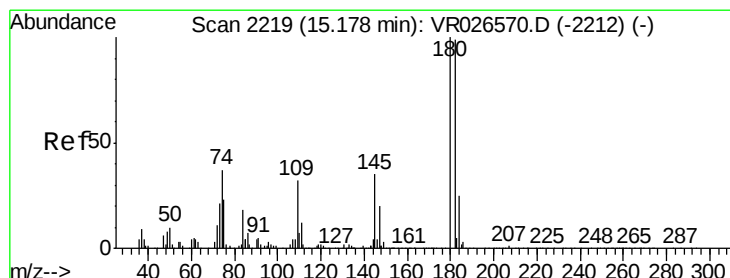
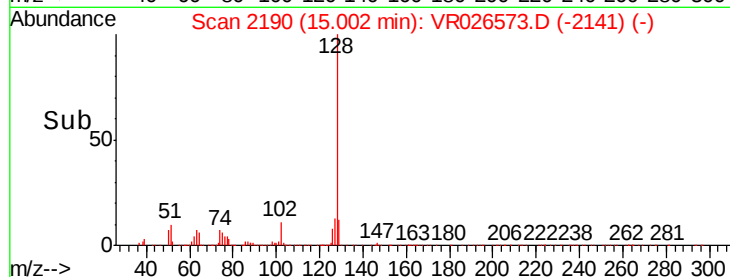
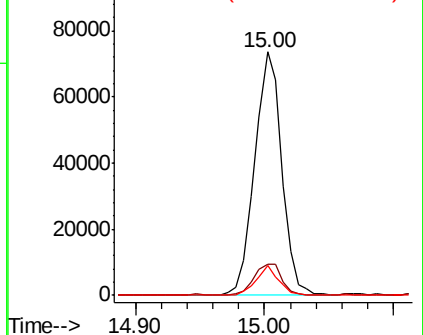
129 10.2 9.3 13.9



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: 4.986 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026573.D

Acq: 11 Apr 2019 16:05

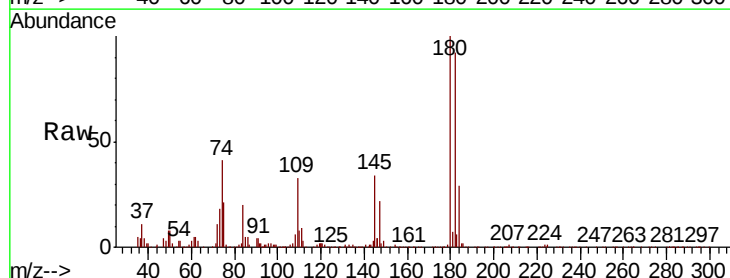
Tgt Ion:180 Resp: 91749

Ion Ratio Lower Upper

180 100

182 93.5 74.8 112.2

145 33.7 27.6 41.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

