

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070319\
 Data File : VN056575.D
 Acq On : 3 Jul 2019 9:10
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 03 10:36:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 10:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	49167	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	265232	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	224449	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	101063	33.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	110.33%
60) 4-Bromofluorobenzene	12.40	95	95707	28.77	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.90%
63) Toluene-d8	10.09	98	323418	31.76	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.87%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	12105	4.377 ug/l	100
3) Chloromethane	2.06	50	18983	5.875 ug/l	100
4) Vinyl Chloride	2.18	62	17642	5.355 ug/l	93
5) Bromomethane	2.53	94	9183	4.436 ug/l	91
6) Chloroethane	2.68	64	9636	5.171 ug/l	96
7) Trichlorofluoromethane	3.01	101	22473	5.514 ug/l	93
8) Diethyl Ether	3.41	74	9361	5.415 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	14532	5.776 ug/l	86
10) 1,1-Dichloroethene	3.73	96	13519	5.267 ug/l	97
11) Methyl Iodide	3.95	142	17687	4.368 ug/l	98
12) Methyl Acetate	4.33	43	22791	7.390 ug/l	100
13) Acrolein	3.61	56	10512	69.930 ug/l	94
14) Acrylonitrile	4.99	53	38717	28.150 ug/l	97
15) Acetone	3.82	58	11670	25.914 ug/l	95
16) Carbon Disulfide	4.05	76	29850	4.888 ug/l	99
17) Allyl chloride	4.32	41	23107	5.811 ug/l	98
18) Methylene Chloride	4.55	84	17173	5.780 ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	15313	5.590 ug/l	99
20) Diisopropyl ether	5.95	45	49673	6.029 ug/l	92
21) 1,1-Dichloroethane	5.85	63	28347	5.920 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	17890	5.595 ug/l	94
23) tert-Butyl Alcohol	4.79	59	6743	12.596 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	45809	5.601 ug/l	# 82
25) Chloroform	7.37	83	28762	6.016 ug/l	98
26) Cyclohexane	7.65	56	25518	5.745 ug/l	# 93
29) 1,1-Dichloropropene	7.79	75	20000	5.575 ug/l	99
30) 2-Butanone	6.84	43	56303	29.810 ug/l	# 77
31) 2,2-Dichloropropane	6.82	77	19408	5.815 ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	21237	5.358 ug/l	97
33) Carbon Tetrachloride	7.77	117	17708	5.273 ug/l	95
34) Benzene	8.04	78	65927	5.767 ug/l	# 79
35) Methacrylonitrile	7.18	41	9829	6.163 ug/l	97
36) 1,2-Dichloroethane	8.12	62	22123	6.179 ug/l	# 83
37) Trichloroethene	8.83	130	16872	5.275 ug/l	96
38) Methylcyclohexane	9.08	83	24636	5.416 ug/l	95
39) 1,2-Dichloropropane	9.12	63	17538	5.990 ug/l	96
40) Dibromomethane	9.21	93	10654	5.488 ug/l	91

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 03 10:36:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 10:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	18730	5.388	ug/l	98
42) Vinyl Acetate	5.90	43	187185	27.798	ug/l	96
43) Ethyl Acetate	6.93	43	21859	6.047	ug/l	100
44) Isopropyl Acetate	8.17	43	33272	5.928	ug/l	95
45) 1,4-Dioxane	9.20	88	6866	114.359	ug/l #	90
46) Methyl methacrylate	9.20	41	16877	6.053	ug/l	95
47) n-amyl Acetate	12.07	43	24595	5.299	ug/l	93
48) t-1,3-Dichloropropene	10.38	75	18044	4.933	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	21777	5.084	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	15779	5.473	ug/l	95
51) Ethyl methacrylate	10.43	69	22909	5.252	ug/l	90
52) 1,3-Dichloropropane	10.71	76	27013	5.779	ug/l	97
53) Dibromochloromethane	10.90	129	13560	4.804	ug/l	96
54) 1,2-Dibromoethane	11.00	107	15827	5.260	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	56820	37.189	ug/l	97
56) Bromoform	12.13	173	9619	4.711	ug/l #	93
58) 4-Methyl-2-Pentanone	9.99	43	108499	31.924	ug/l	96
59) 2-Hexanone	10.75	43	78723	32.407	ug/l	96
61) Tetrachloroethene	10.63	164	15792	5.048	ug/l	96
62) Toluene	10.16	91	68879	5.685	ug/l	99
64) Chlorobenzene	11.43	112	40519	5.513	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	13879	5.237	ug/l	97
66) Ethyl Benzene	11.51	91	71412	5.534	ug/l	95
67) m/p-Xylenes	11.62	106	50752	10.274	ug/l	91
68) o-Xylene	11.95	106	26517	5.483	ug/l	96
69) Styrene	11.96	104	39936	5.083	ug/l	97
70) Isopropylbenzene	12.25	105	66253	5.244	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	23113	6.067	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	25370	7.693	ug/l	68
73) Bromobenzene	12.52	156	16849	5.024	ug/l	90
74) n-propylbenzene	12.59	91	72614	5.446	ug/l	98
75) 2-Chlorotoluene	12.67	91	45371	5.486	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	56157	5.403	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	4377	4.652	ug/l	92
78) 4-Chlorotoluene	12.77	91	40437	5.235	ug/l	97
79) tert-butylbenzene	12.99	119	49971	5.427	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	53381	5.280	ug/l	99
81) sec-Butylbenzene	13.17	105	62920	5.402	ug/l	97
82) p-Isopropyltoluene	13.29	119	53182	5.050	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	25469	4.873	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	23493	4.719	ug/l	100
85) n-Butylbenzene	13.61	91	40736	5.183	ug/l	96
86) Hexachloroethane	13.87	117	7487	4.560	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	26977	5.078	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	3567	5.965	ug/l	88
89) 1,2,4-Trichlorobenzene	14.91	180	10564	4.077	ug/l	96
90) Hexachlorobutadiene	15.00	225	9862	5.085	ug/l	97
91) Naphthalene	15.13	128	29140	4.130	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	12499	4.495	ug/l	100

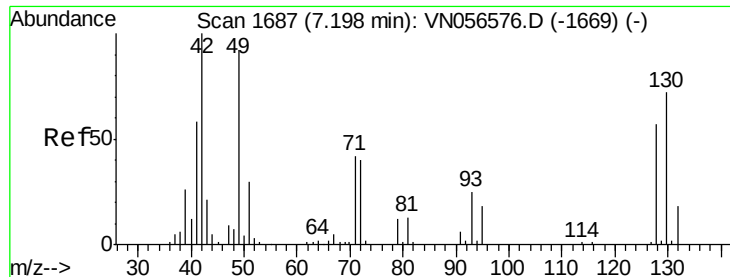
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070319\
Data File : VN056575.D
Acq On : 3 Jul 2019 9:10
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jul 03 10:36:31 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 10:34:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

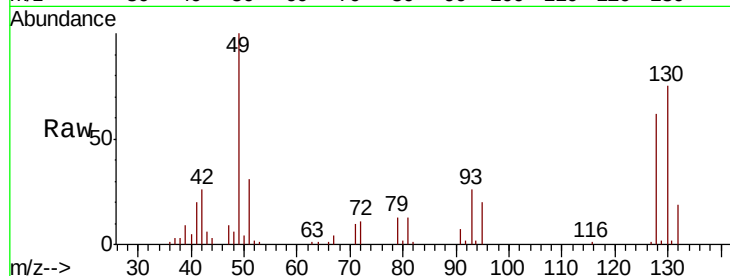
Tgt Ion:128 Resp: 49167

Ion Ratio Lower Upper

128 100

49 159.2 0.0 355.8

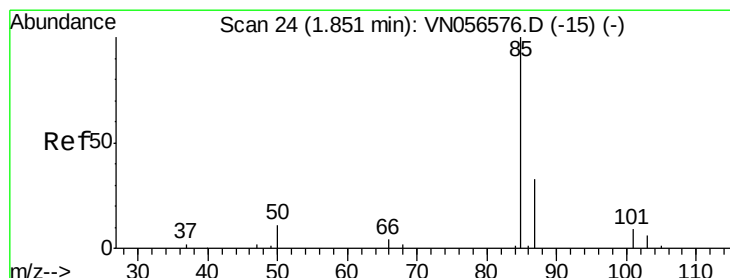
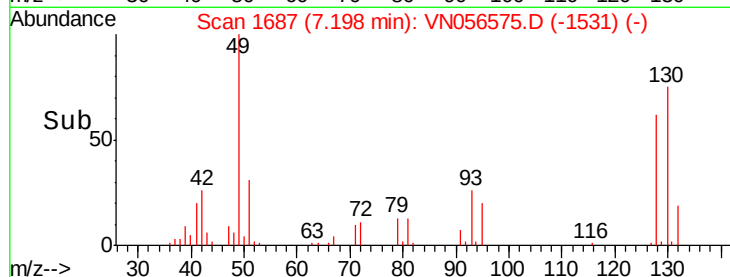
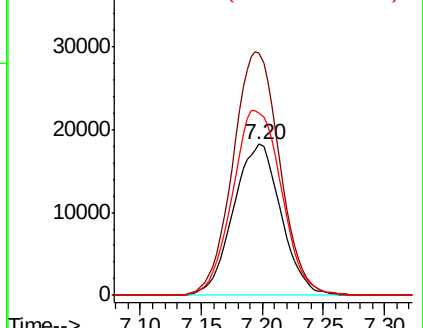
130 126.9 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 4.377 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056575.D

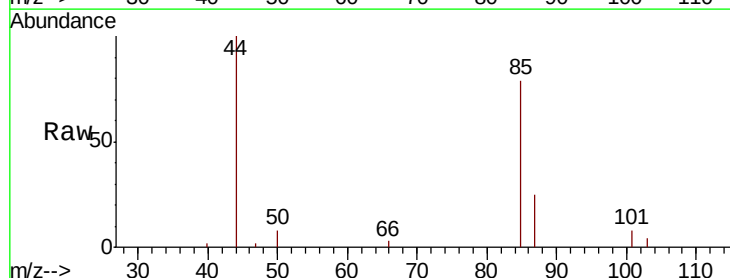
Acq: 3 Jul 2019 9:10

Tgt Ion: 85 Resp: 12105

Ion Ratio Lower Upper

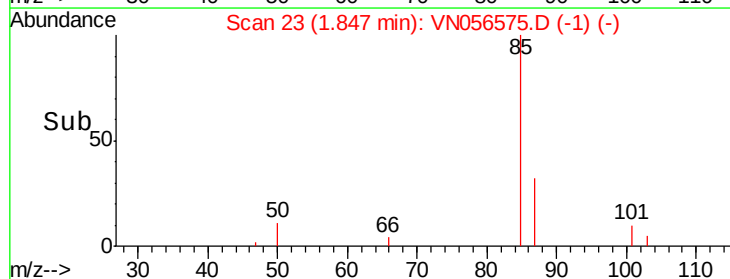
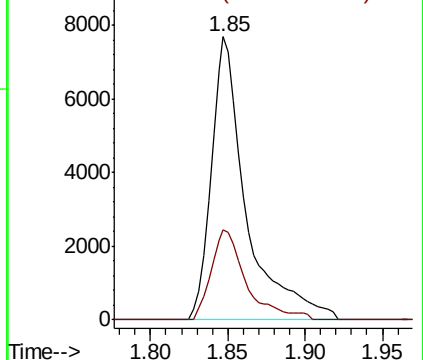
85 100

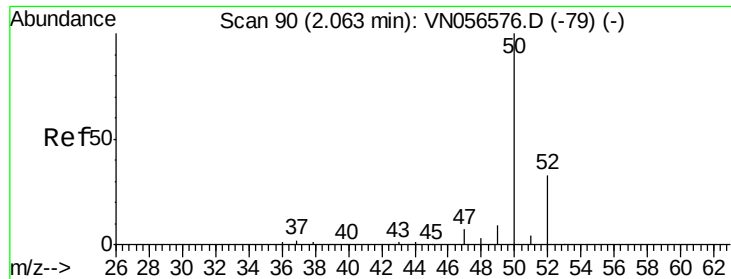
87 31.8 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 5.875 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

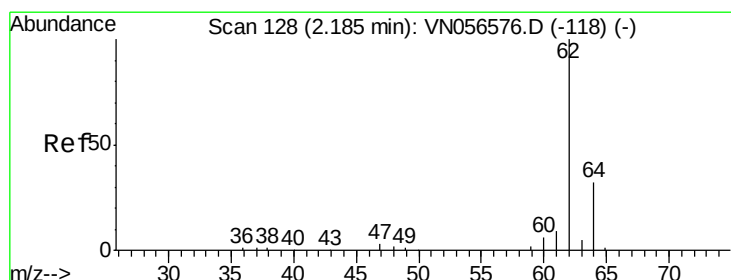
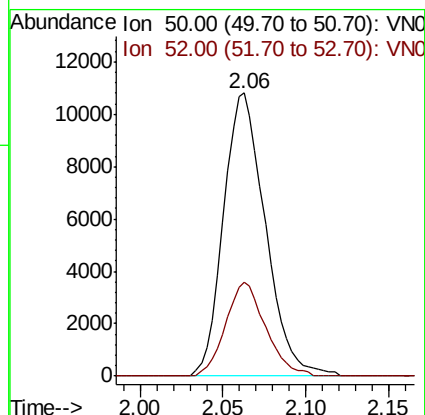
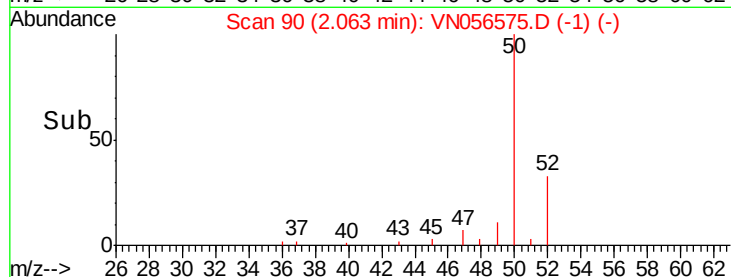
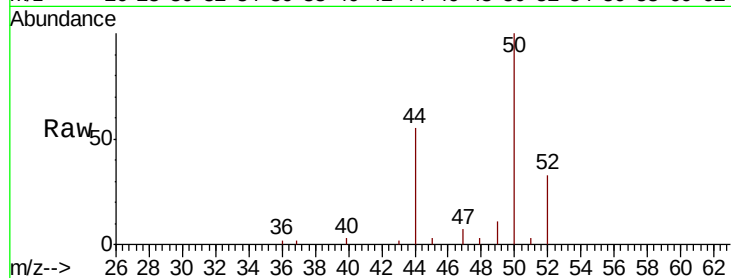
VSTDIC005

Tgt Ion: 50 Resp: 18983

Ion Ratio Lower Upper

50 100

52 33.2 26.7 40.1



#4

Vinyl Chloride

Concen: 5.355 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056575.D

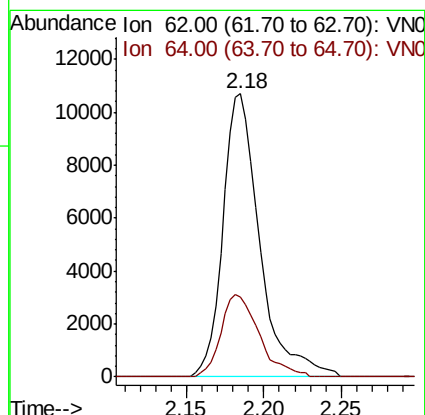
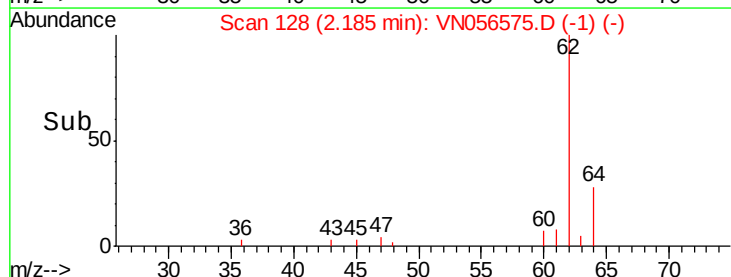
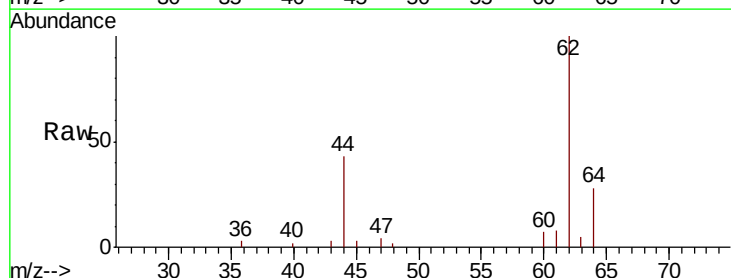
Acq: 3 Jul 2019 9:10

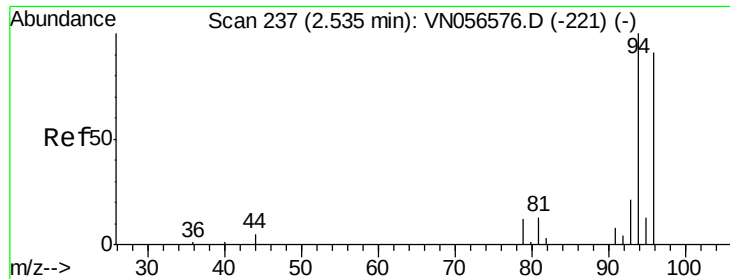
Tgt Ion: 62 Resp: 17642

Ion Ratio Lower Upper

62 100

64 28.3 25.8 38.8

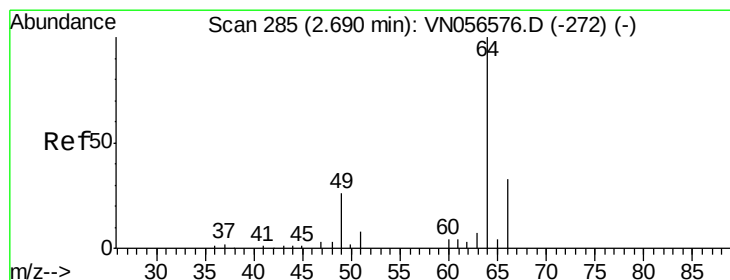
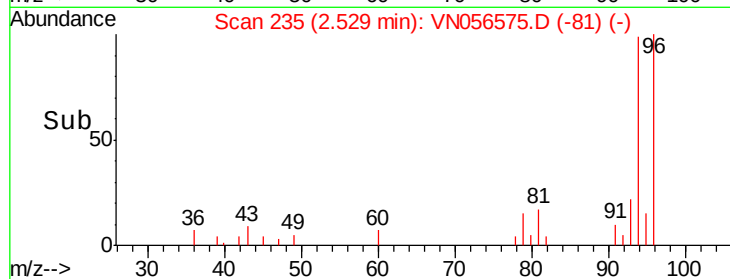
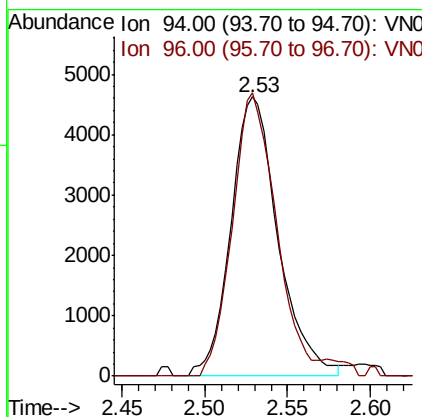
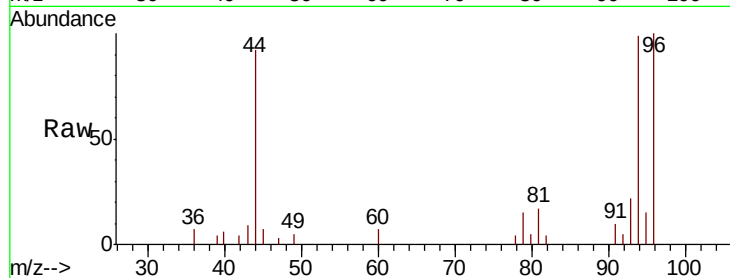




#5
Bromomethane
Concen: 4.436 ug/l
RT: 2.53 min Scan# 235
Delta R.T. -0.01 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

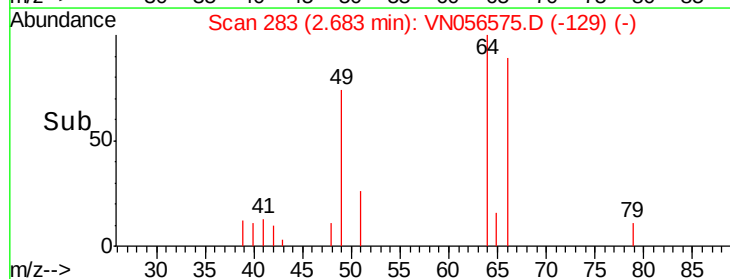
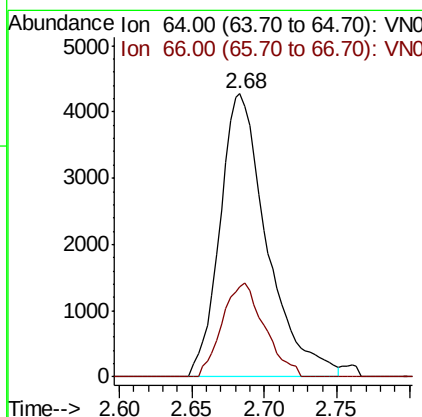
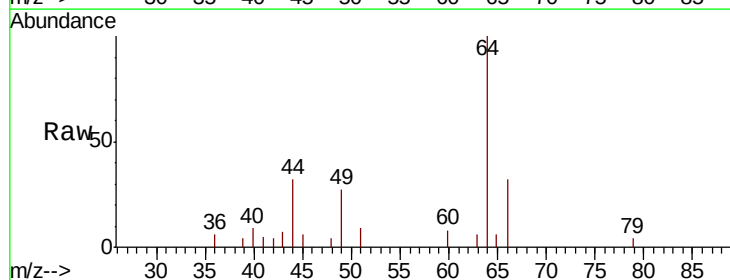
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

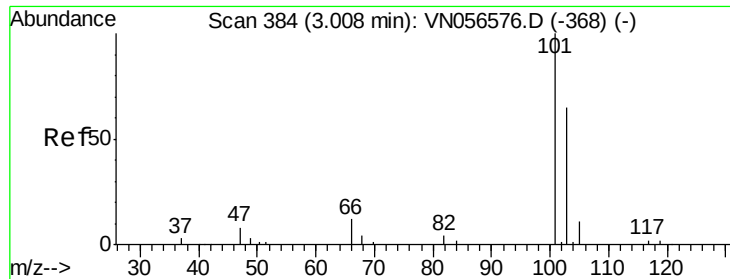
Tgt Ion: 94 Resp: 9183
Ion Ratio Lower Upper
94 100
96 101.3 74.1 111.1



#6
Chloroethane
Concen: 5.171 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.01 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion: 64 Resp: 9636
Ion Ratio Lower Upper
64 100
66 32.0 23.7 35.5



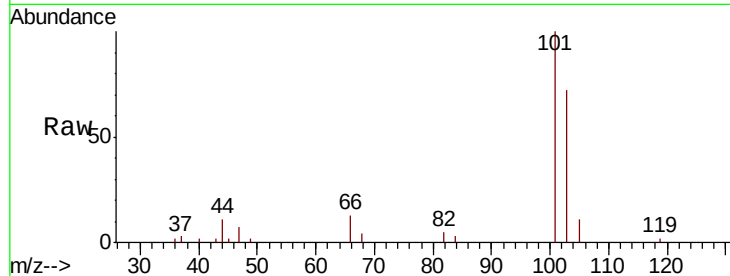


#7

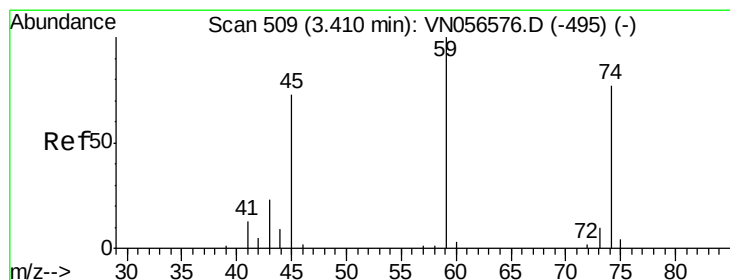
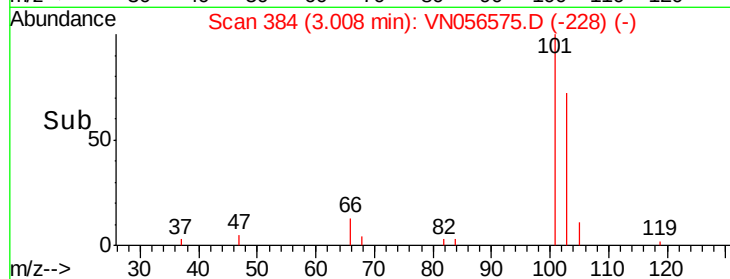
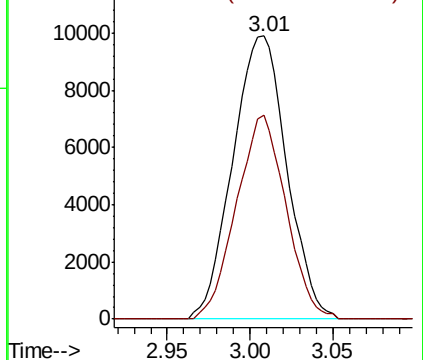
Trichlorofluoromethane
 Concen: 5.514 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion:101 Resp: 22473
 Ion Ratio Lower Upper
 101 100
 103 72.0 53.4 80.0



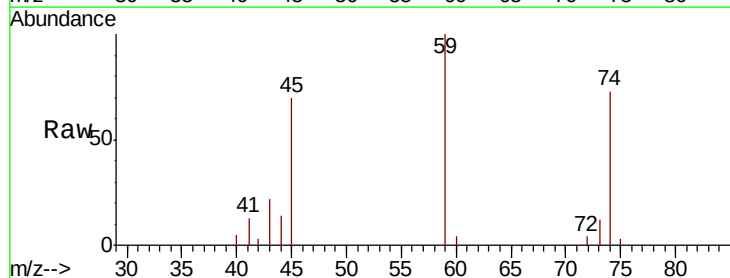
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



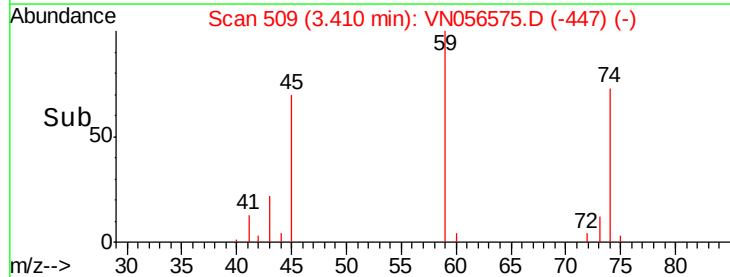
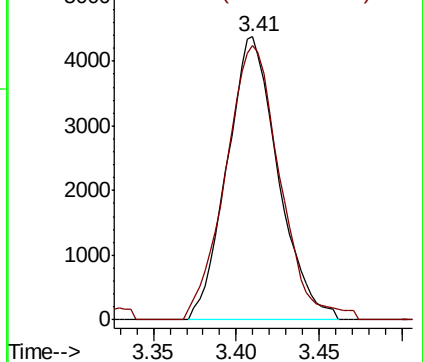
#8

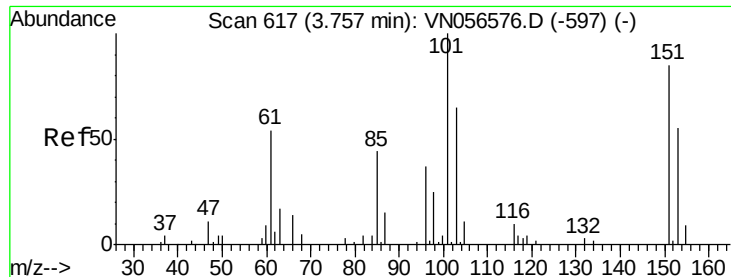
Diethyl Ether
 Concen: 5.415 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion: 74 Resp: 9361
 Ion Ratio Lower Upper
 74 100
 45 102.6 18.8 169.6



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.776 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

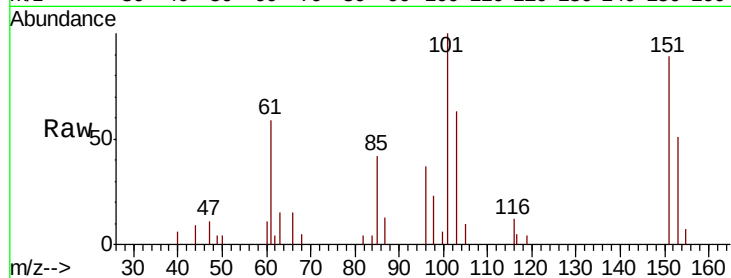
Tgt Ion: 101 Resp: 14532

Ion Ratio Lower Upper

101 100

85 22.8 0.0 82.0

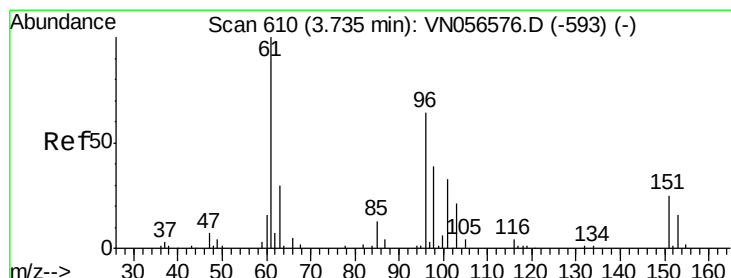
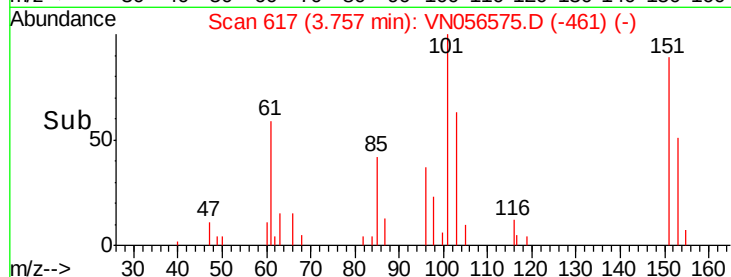
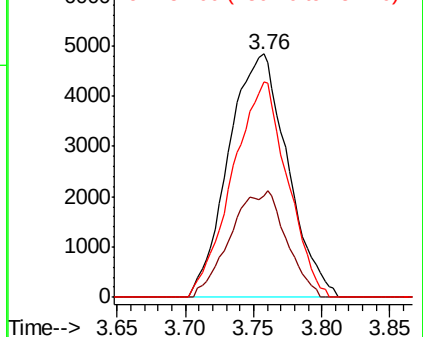
151 82.5 0.0 177.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 5.267 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

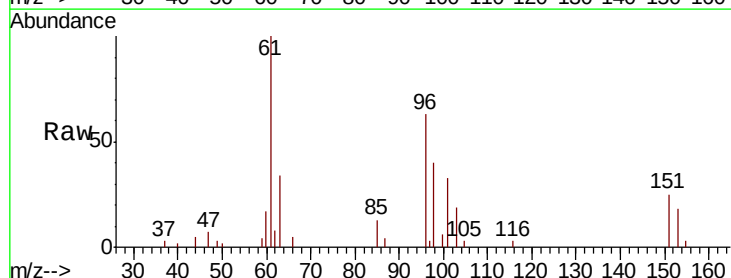
Tgt Ion: 96 Resp: 13519

Ion Ratio Lower Upper

96 100

61 153.5 119.7 179.5

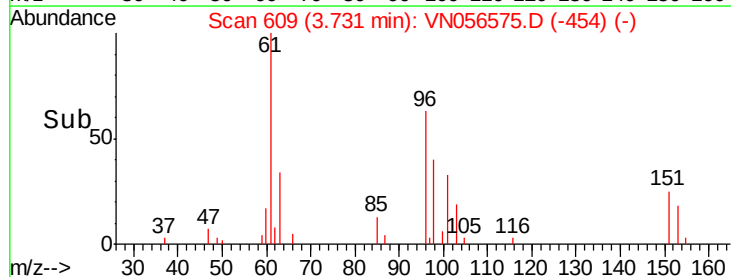
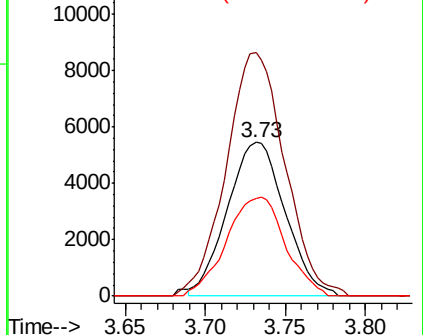
98 63.6 52.3 78.5

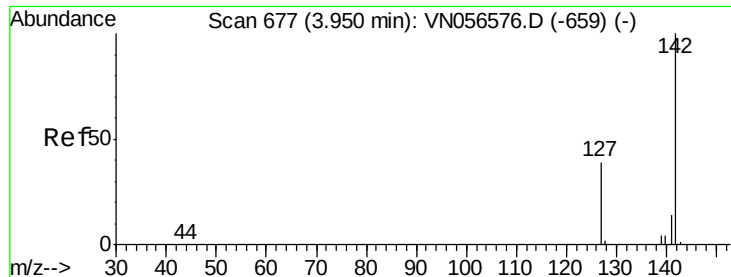


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

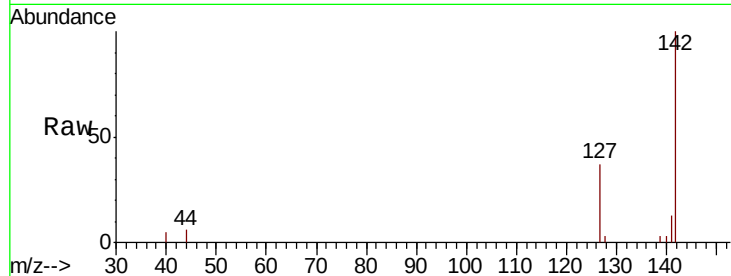




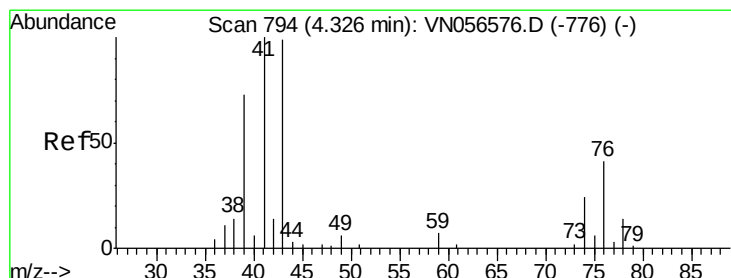
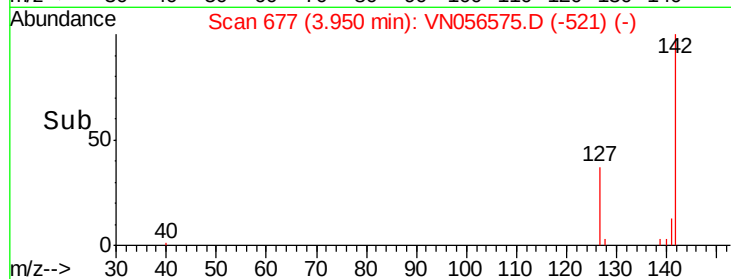
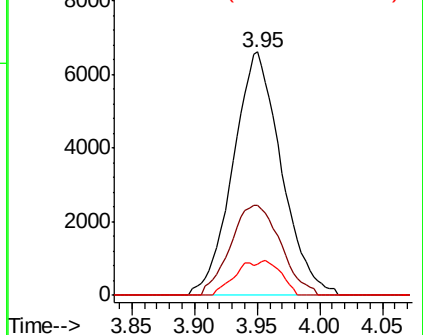
#11
Methyl Iodide
Concen: 4.368 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:142 Resp: 17687
Ion Ratio Lower Upper
142 100
127 39.3 19.0 57.0
141 12.6 6.7 20.0

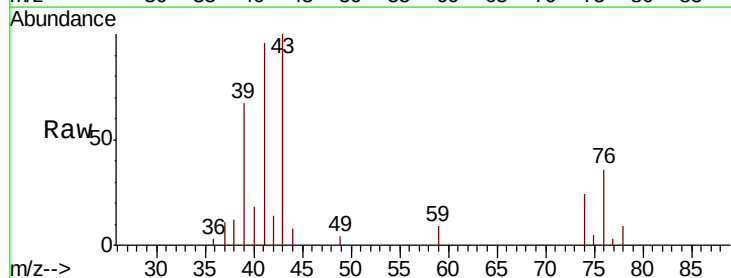


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

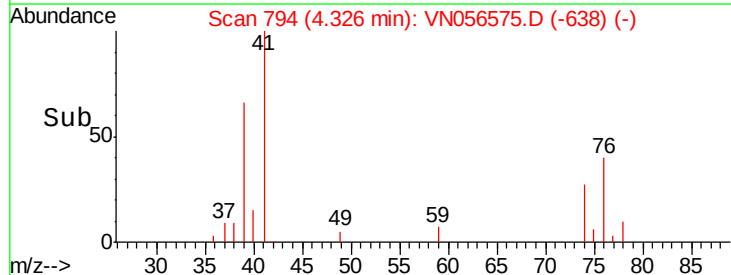
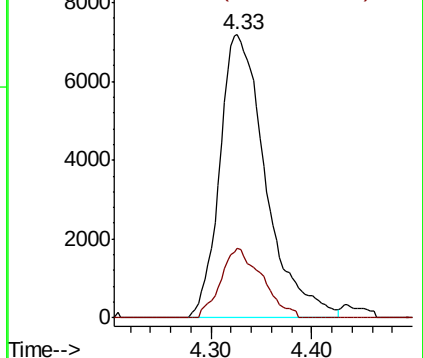


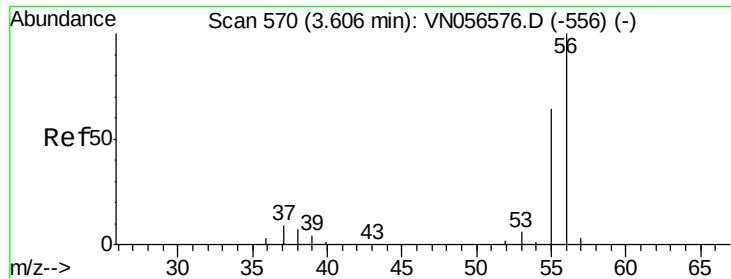
#12
Methyl Acetate
Concen: 7.390 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion: 43 Resp: 22791
Ion Ratio Lower Upper
43 100
74 24.8 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 69.930 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

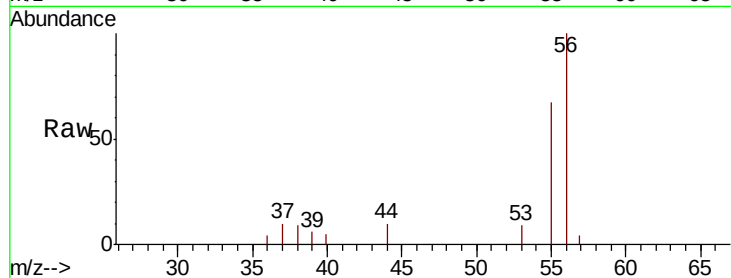
VSTDIC005

Tgt Ion: 56 Resp: 10512

Ion Ratio Lower Upper

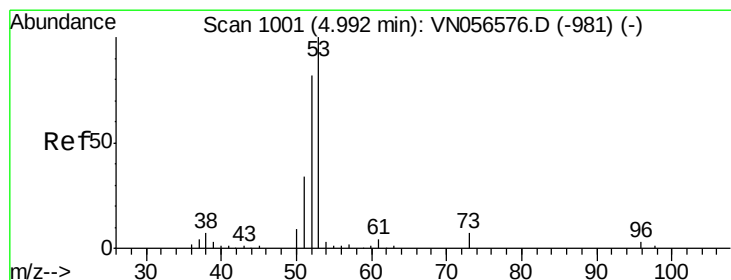
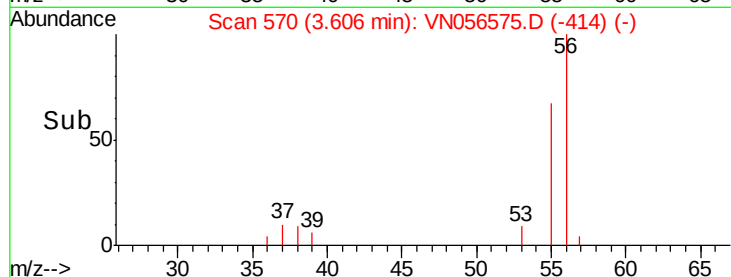
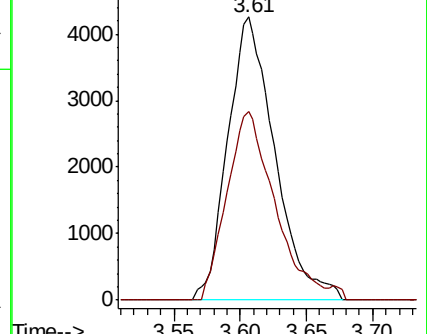
56 100

55 67.3 57.9 86.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 28.150 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

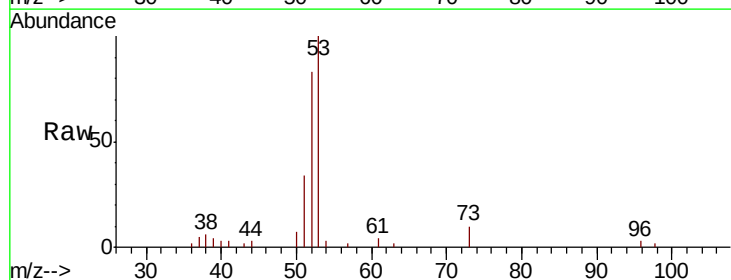
Tgt Ion: 53 Resp: 38717

Ion Ratio Lower Upper

53 100

52 85.0 40.8 122.2

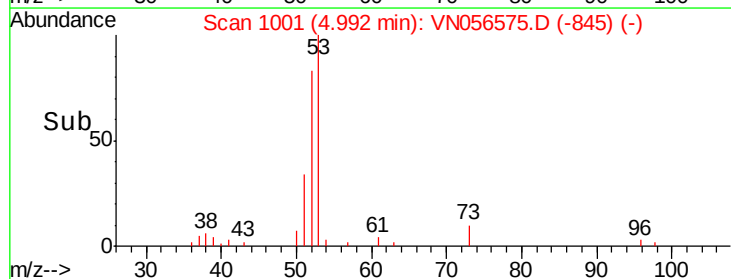
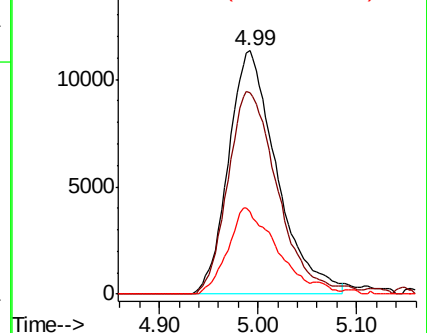
51 34.7 17.3 52.0

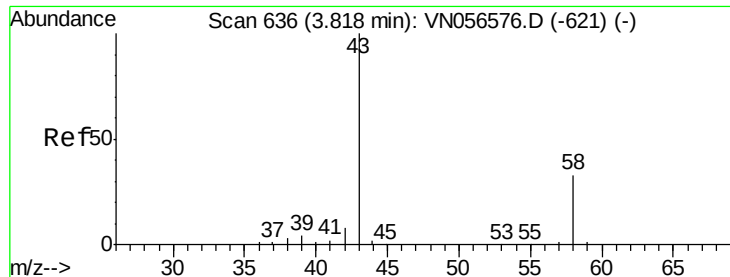


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 25.914 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

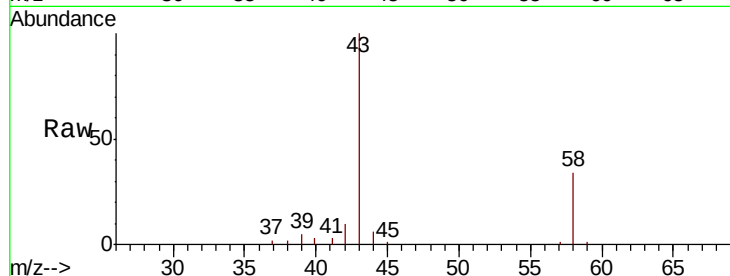
VSTDIC005

Tgt Ion: 58 Resp: 11670

Ion Ratio Lower Upper

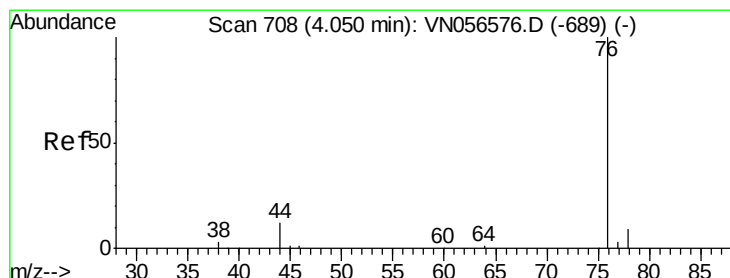
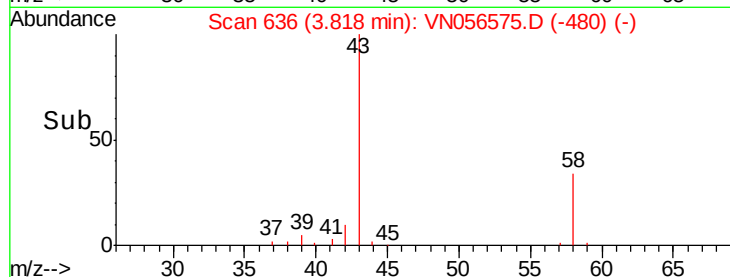
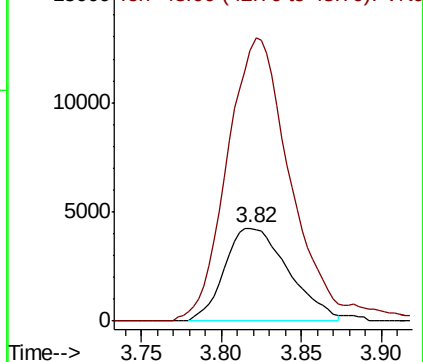
58 100

43 281.7 232.5 348.7



Abundance Ion 58.00 (57.70 to 58.70): VN056576.D (-621) (-)

Ion 43.00 (42.70 to 43.70): VN056576.D (-621) (-)



#16

Carbon Disulfide

Concen: 4.888 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056575.D

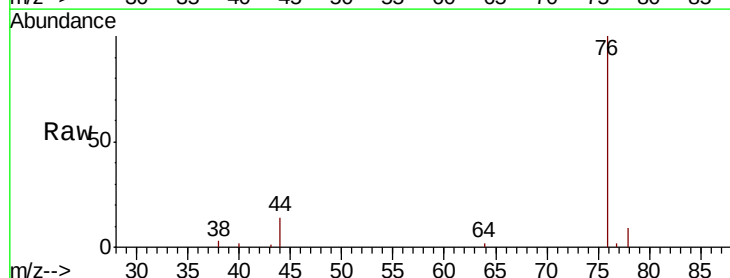
Acq: 3 Jul 2019 9:10

Tgt Ion: 76 Resp: 29850

Ion Ratio Lower Upper

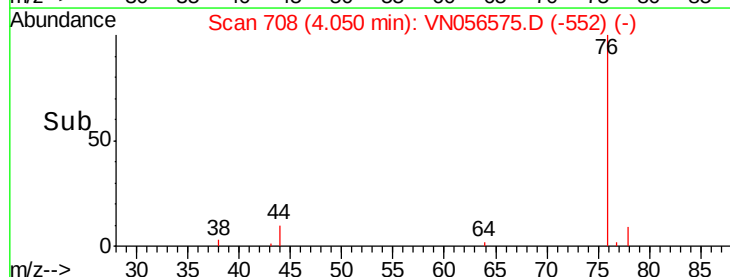
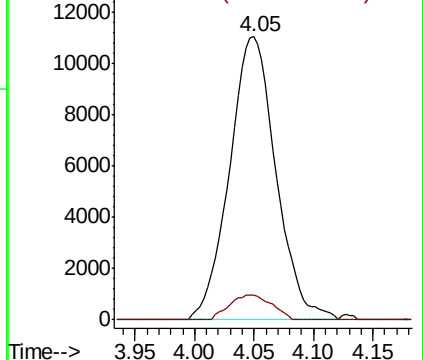
76 100

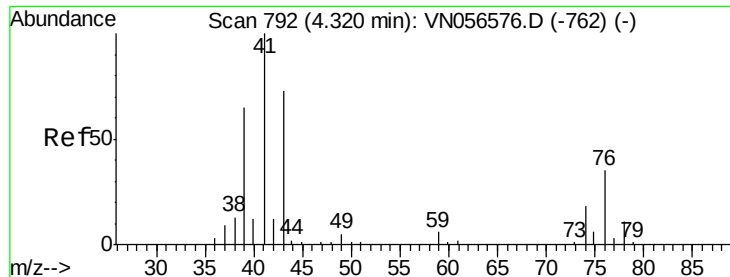
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN056576.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN056576.D (-689) (-)

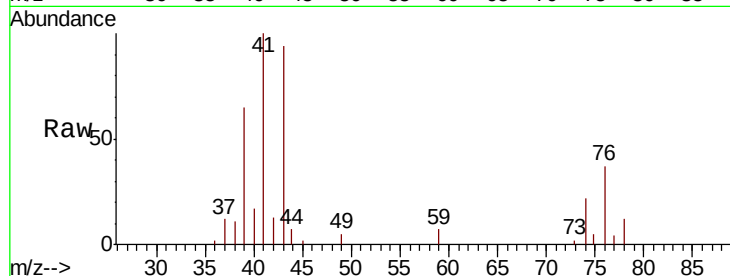




#17
 Allyl chloride
 Concen: 5.811 ug/l
 RT: 4.32 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:	41	Resp:	23107
Ion	Ratio	Lower	Upper
41	100		
39	64.9	33.0	99.0
76	36.7	18.9	56.9

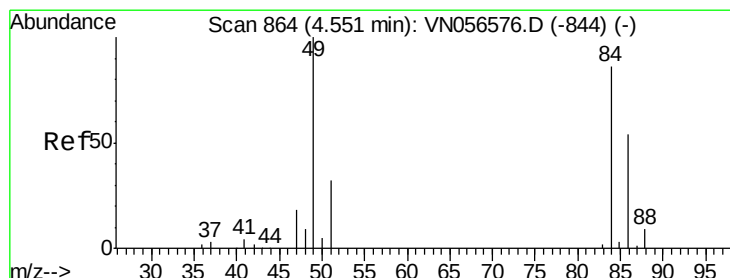
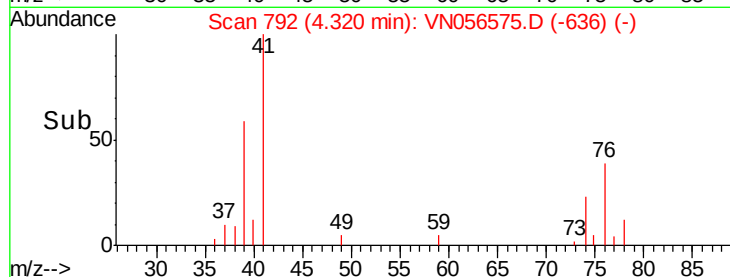
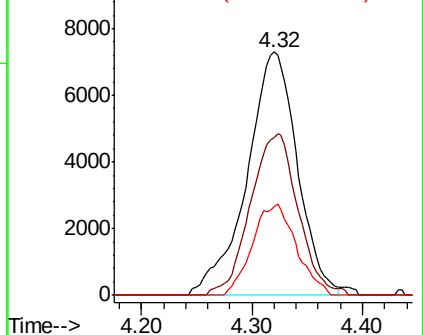


Abundance

Ion 41.00 (40.70 to 41.70): VNO

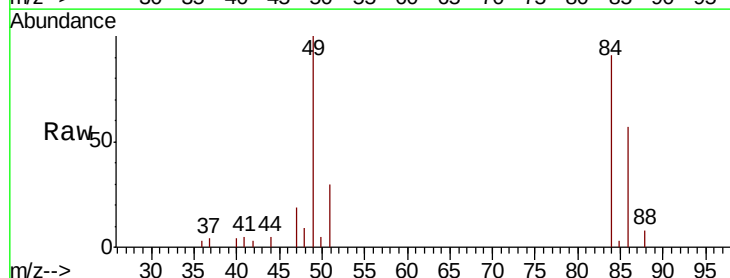
Ion 39.00 (38.70 to 39.70): VNO

Ion 76.00 (75.70 to 76.70): VNO



#18
 Methylene Chloride
 Concen: 5.780 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion:	84	Resp:	17173
Ion	Ratio	Lower	Upper
84	100		
49	106.5	87.6	131.4
51	32.9	27.0	40.4
86	62.5	51.2	76.8



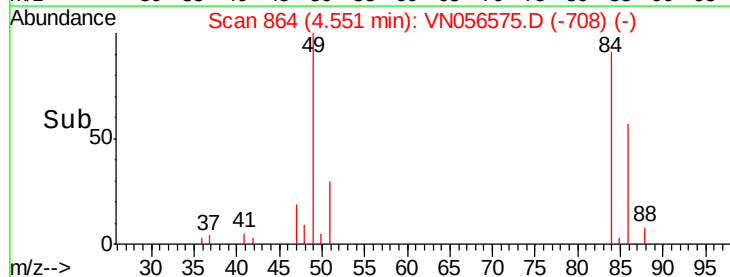
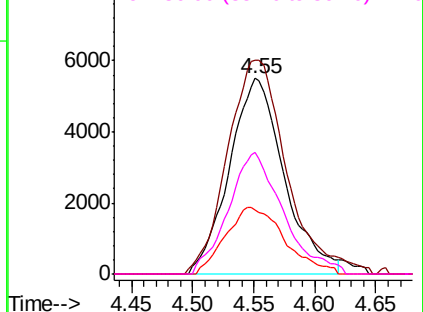
Abundance

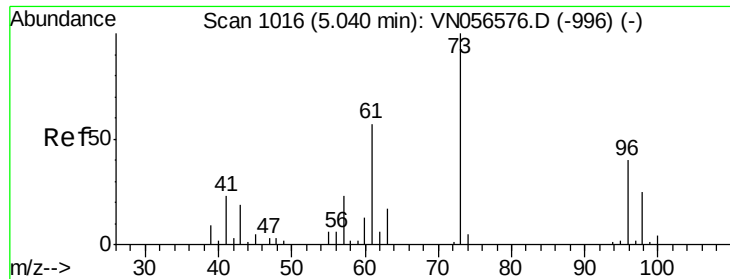
Ion 84.00 (83.70 to 84.70): VNO

Ion 49.00 (48.70 to 49.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

Ion 86.00 (85.70 to 86.70): VNO

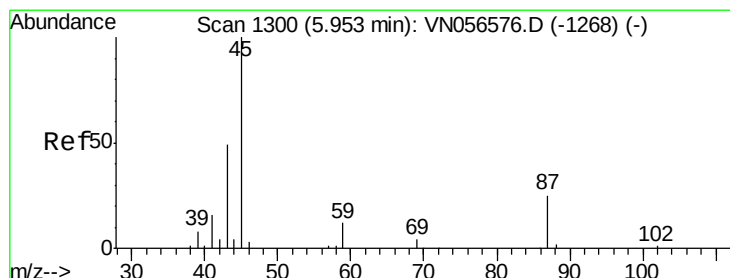
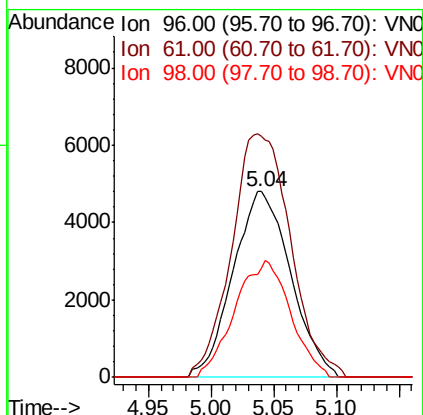
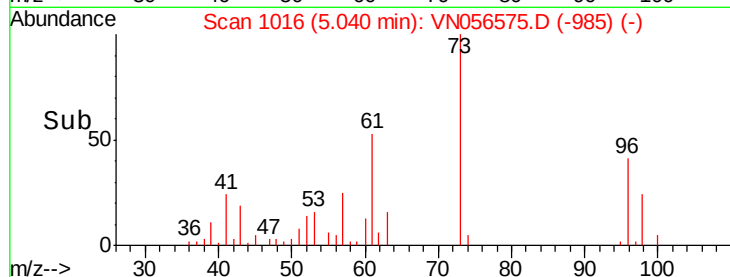
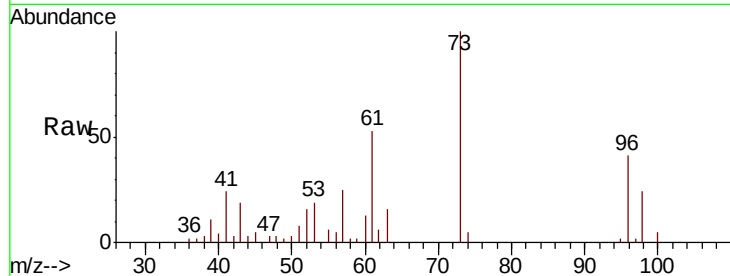




#19
trans-1,2-Dichloroethene
Concen: 5.590 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

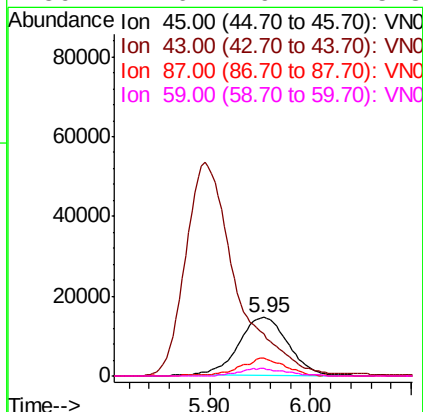
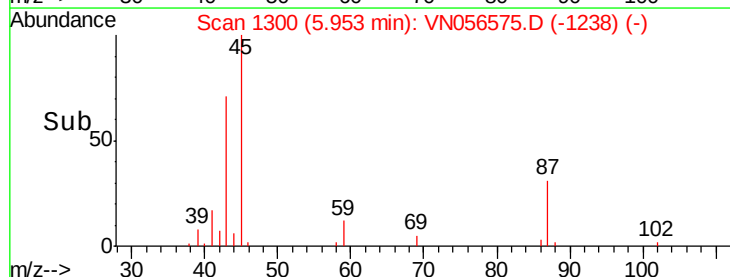
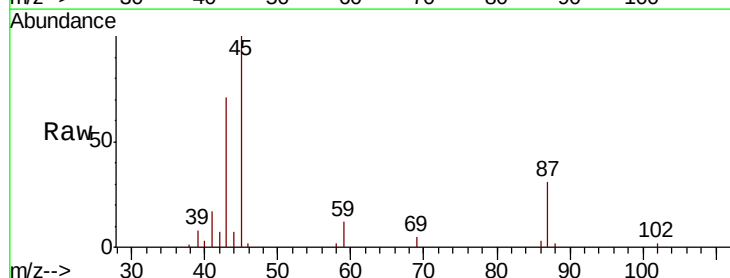
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

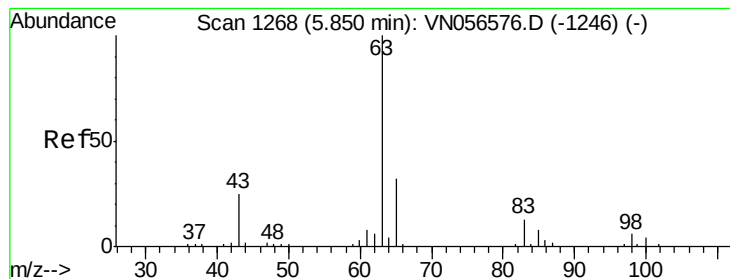
Tgt Ion: 96 Resp: 15313
Ion Ratio Lower Upper
96 100
61 129.8 102.5 153.7
98 58.9 46.9 70.3



#20
Diisopropyl ether
Concen: 6.029 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion: 45 Resp: 49673
Ion Ratio Lower Upper
45 100
43 68.4 48.0 72.0
87 31.1 23.4 35.2
59 12.6 9.2 13.8





#21

1,1-Dichloroethane

Concen: 5.920 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

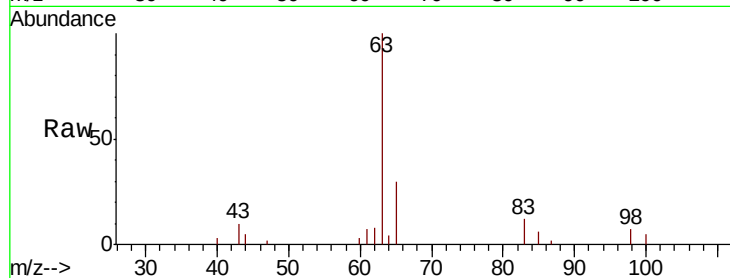
Tgt Ion: 63 Resp: 28347

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 5.4 2.3 6.9

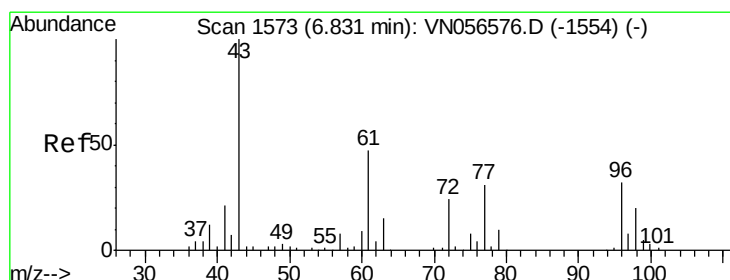
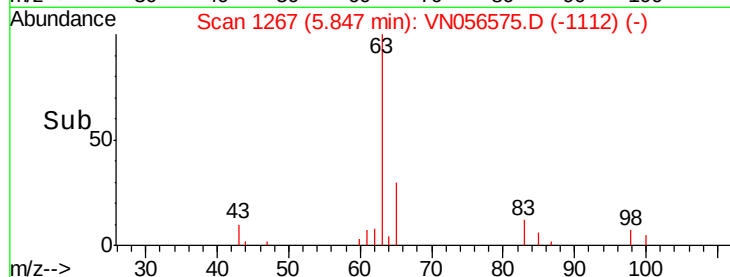


Abundance Ion 63.00 (62.70 to 63.70): VN056576.D (-1246) (-)

Ion 98.00 (97.70 to 98.70): VN056576.D (-1246) (-)

Ion 100.00 (99.70 to 100.70): VN056576.D (-1246) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 5.595 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

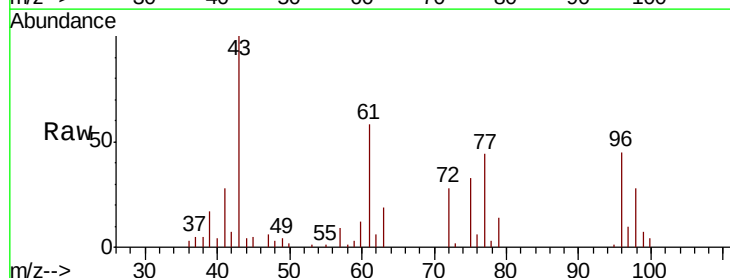
Tgt Ion: 96 Resp: 17890

Ion Ratio Lower Upper

96 100

61 141.0 105.7 158.5

98 62.6 52.0 78.0

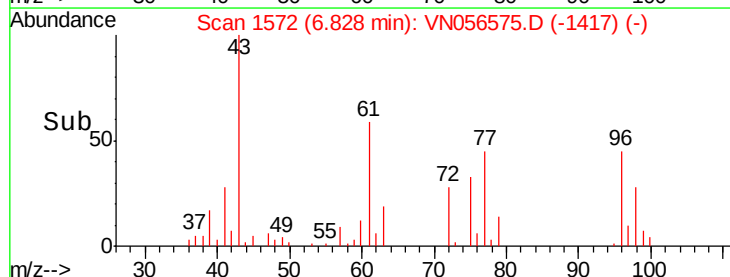


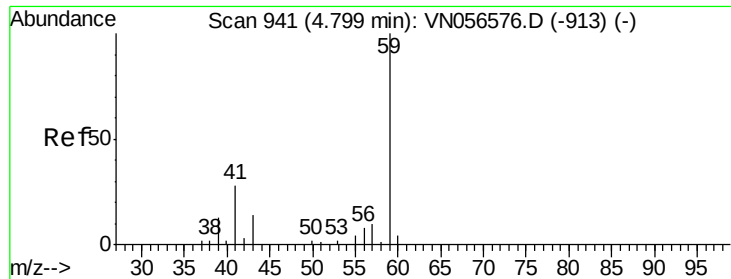
Abundance Ion 96.00 (95.70 to 96.70): VN056576.D (-1554) (-)

Ion 61.00 (60.70 to 61.70): VN056576.D (-1554) (-)

Ion 98.00 (97.70 to 98.70): VN056576.D (-1554) (-)

Time-->

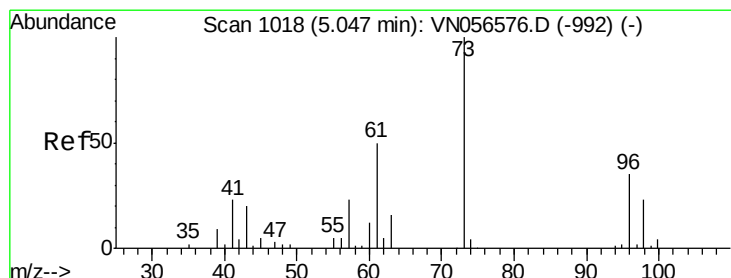
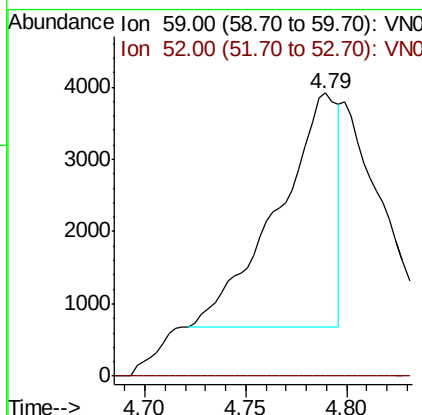
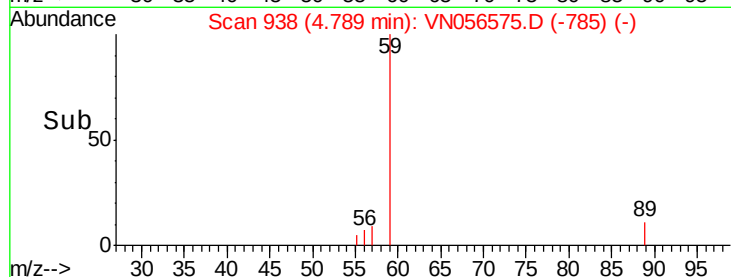
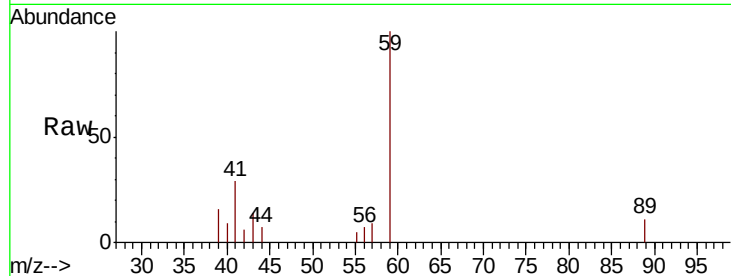




#23
 tert-Butyl Alcohol
 Concen: 12.596 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

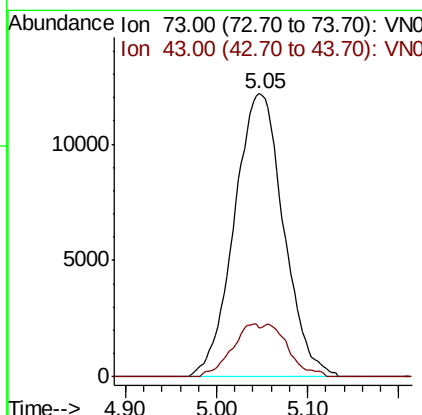
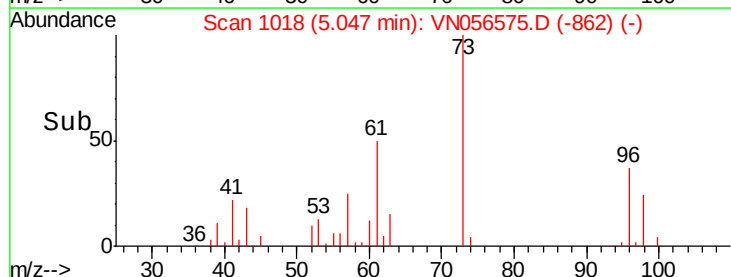
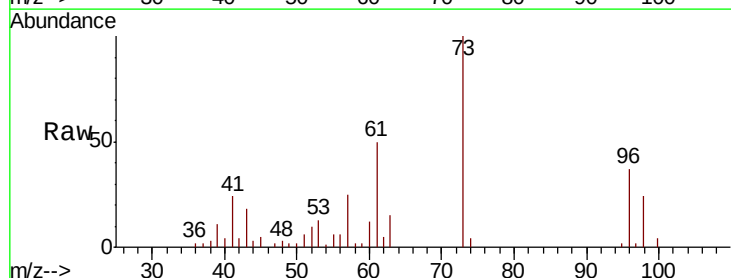
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

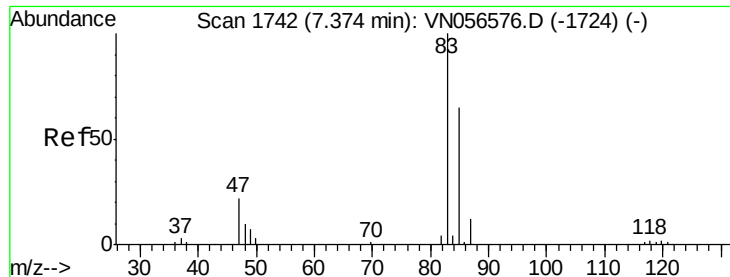
Tgt Ion: 59 Resp: 6743
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#24
 Methyl tert-Butyl Ether
 Concen: 5.601 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion: 73 Resp: 45809
 Ion Ratio Lower Upper
 73 100
 43 11.2 15.4 23.0#

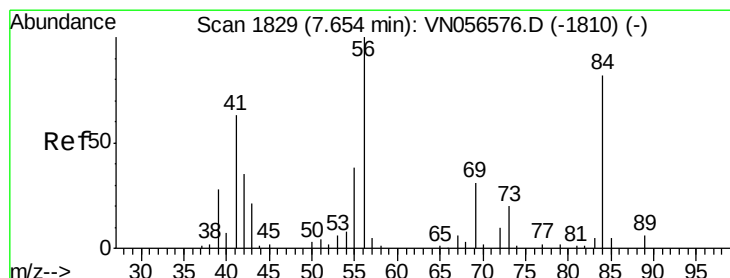
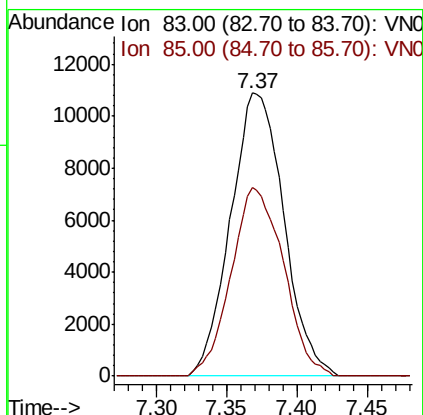
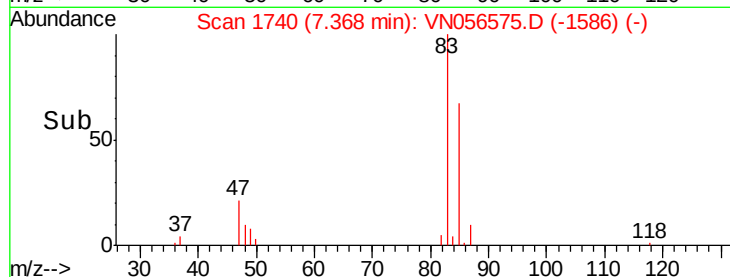
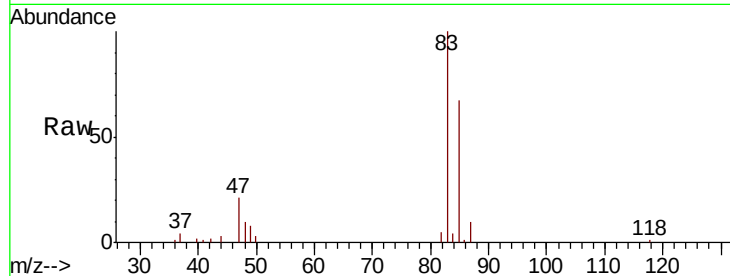




#25
Chloroform
Concen: 6.016 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

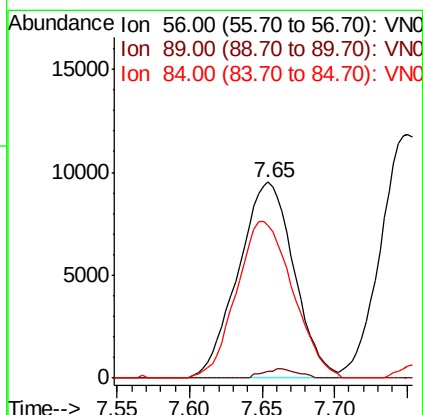
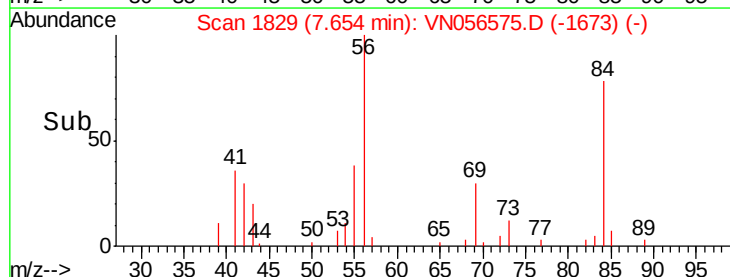
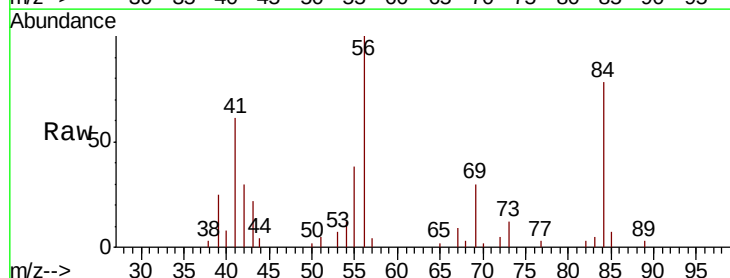
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

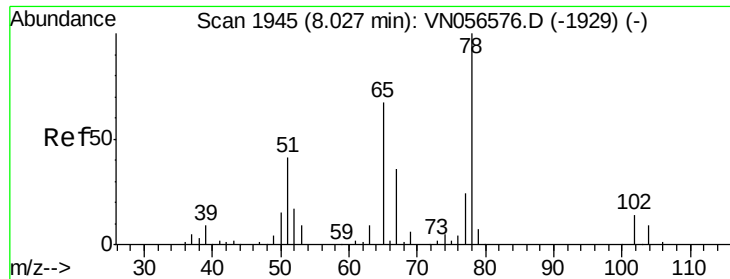
Tgt Ion: 83 Resp: 28762
Ion Ratio Lower Upper
83 100
85 66.6 52.0 78.0



#26
Cyclohexane
Concen: 5.745 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion: 56 Resp: 25518
Ion Ratio Lower Upper
56 100
89 2.7 0.0 0.0#
84 80.7 70.1 105.1

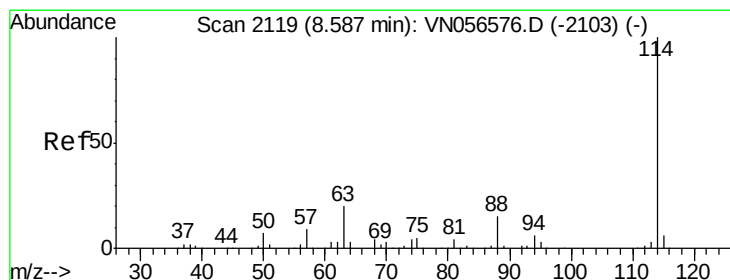
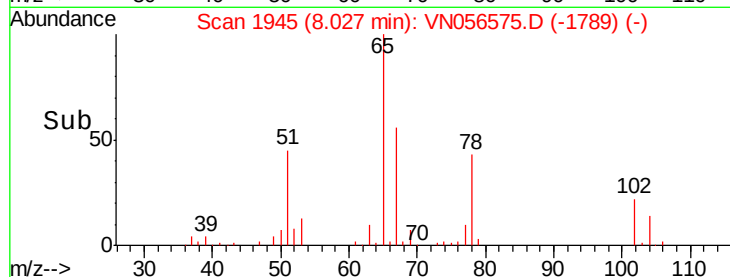
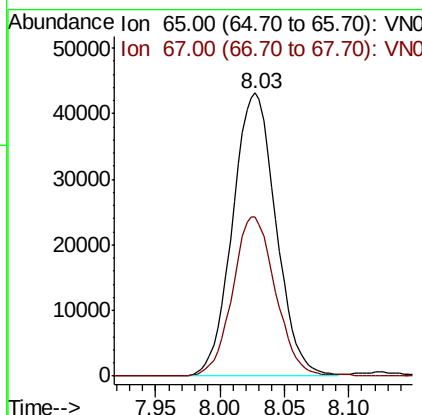
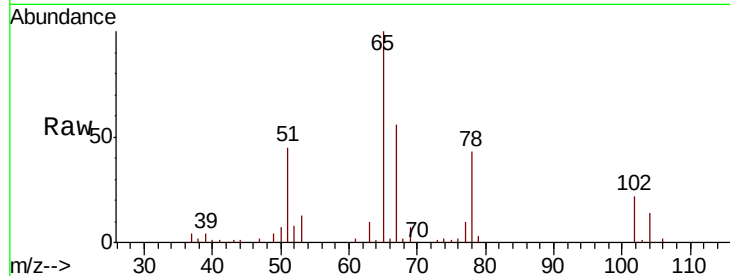




#27
 1,2-Dichloroethane-d4
 Concen: 33.100 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

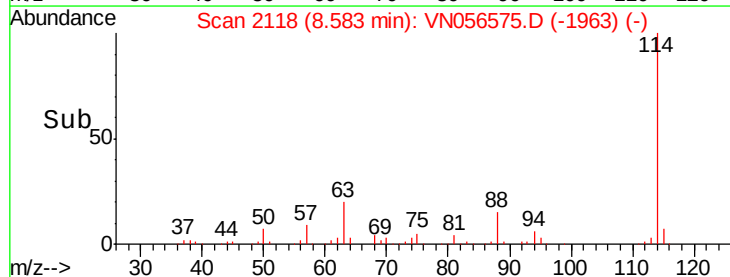
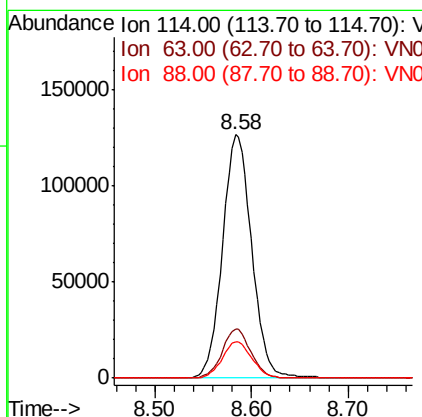
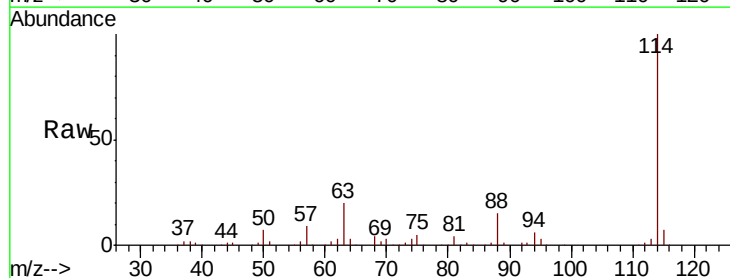
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

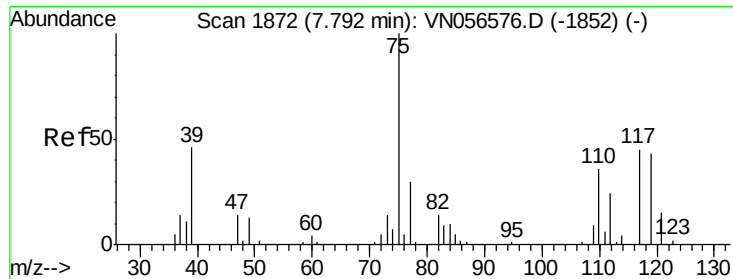
Tgt Ion: 65 Resp: 101063
 Ion Ratio Lower Upper
 65 100
 67 55.4 43.4 65.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion: 114 Resp: 265232
 Ion Ratio Lower Upper
 114 100
 63 19.9 14.7 22.1
 88 15.2 11.9 17.9

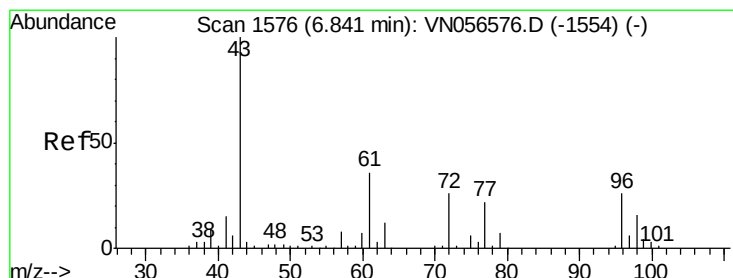
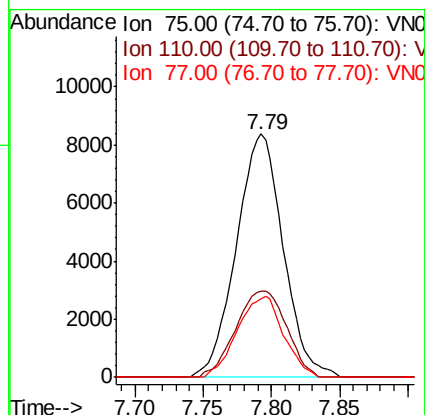
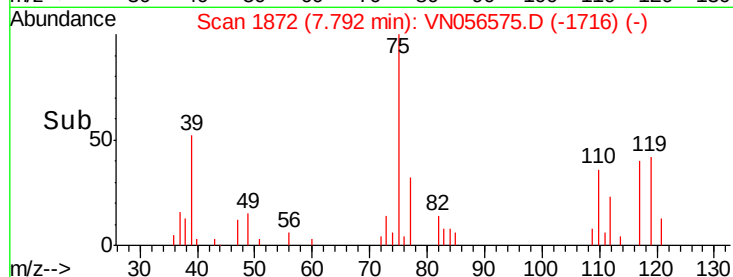
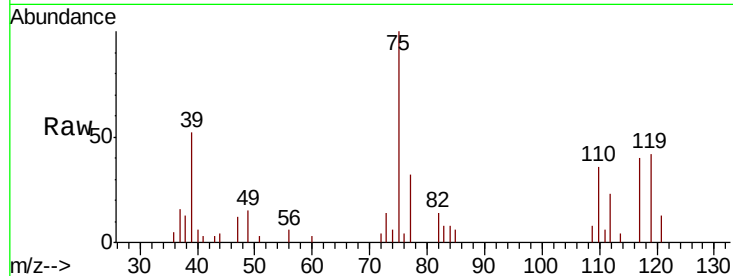




#29
 1,1-Dichloropropene
 Concen: 5.575 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

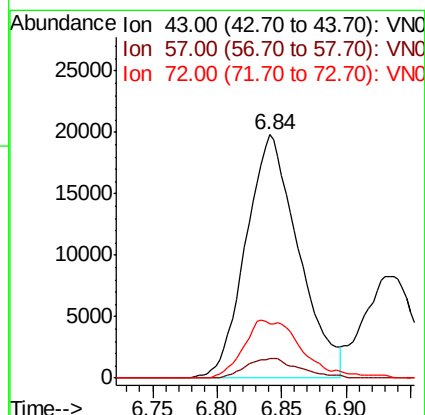
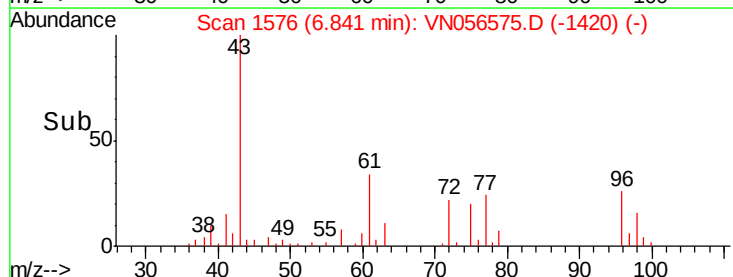
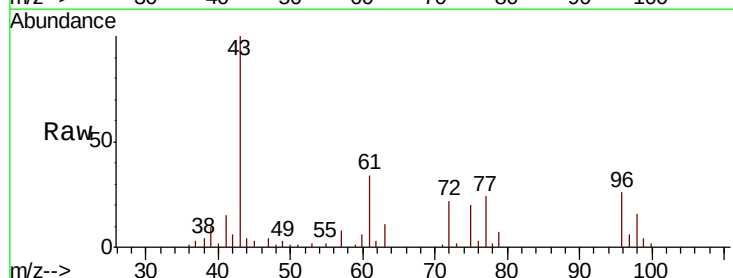
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

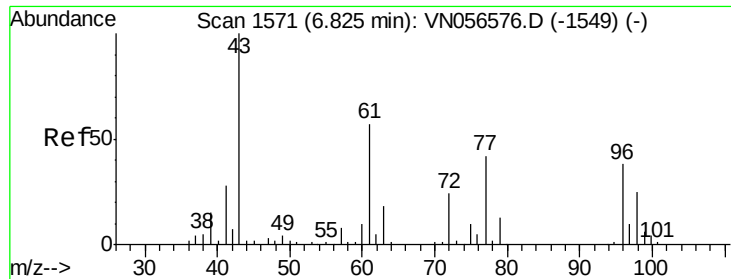
Tgt Ion: 75 Resp: 20000
 Ion Ratio Lower Upper
 75 100
 110 38.3 0.0 77.0
 77 32.7 0.0 62.4



#30
 2-Butanone
 Concen: 29.810 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion: 43 Resp: 56303
 Ion Ratio Lower Upper
 43 100
 57 8.3 6.7 10.1
 72 12.0 22.4 33.6#

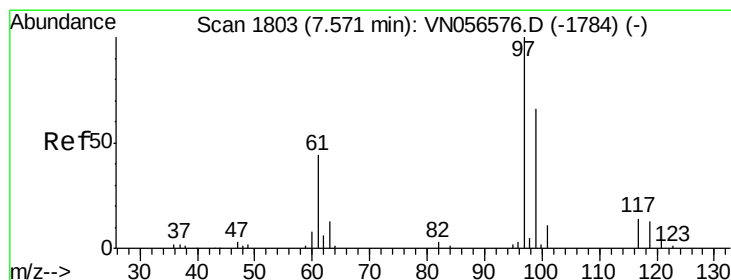
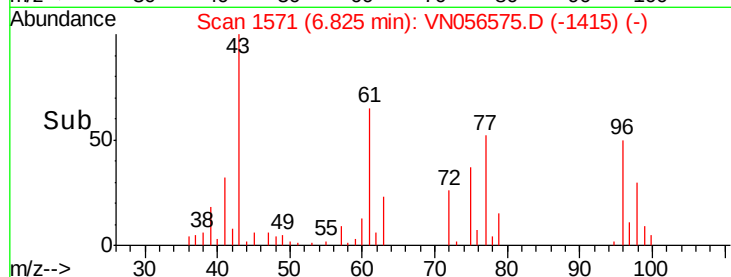
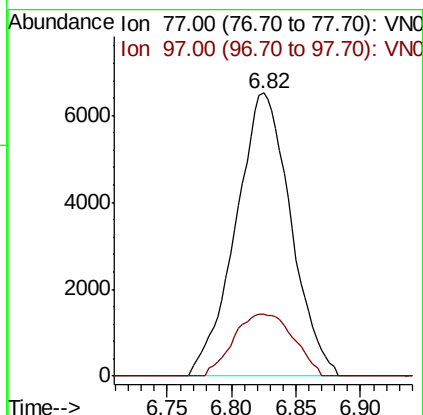
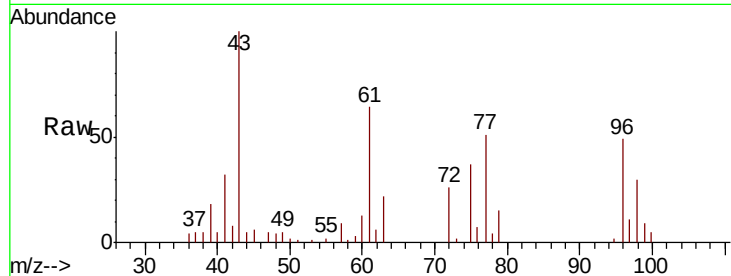




#31
 2,2-Dichloropropane
 Concen: 5.815 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

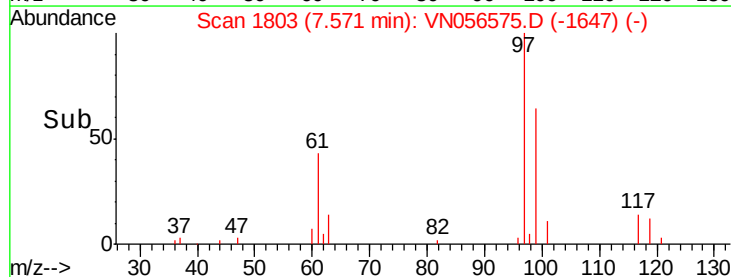
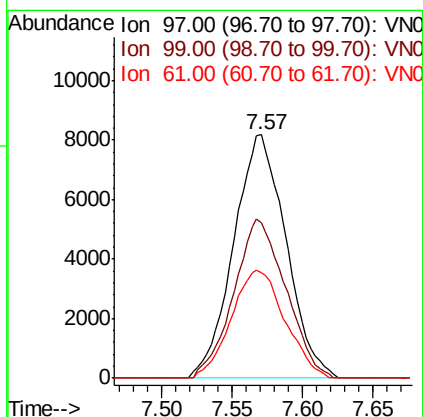
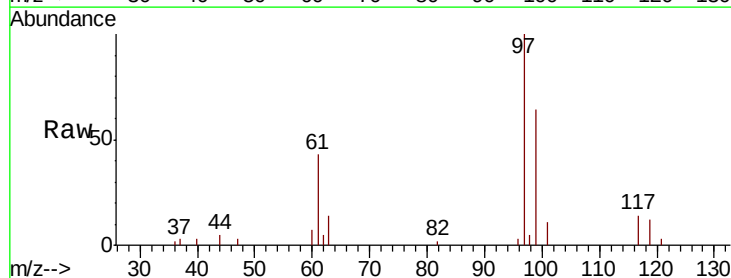
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

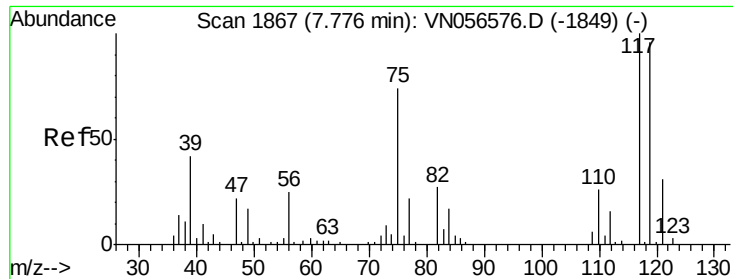
Tgt Ion: 77 Resp: 19408
 Ion Ratio Lower Upper
 77 100
 97 23.7 20.8 31.2



#32
 1,1,1-Trichloroethane
 Concen: 5.358 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion: 97 Resp: 21237
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.5 77.3
 61 45.3 32.9 49.3

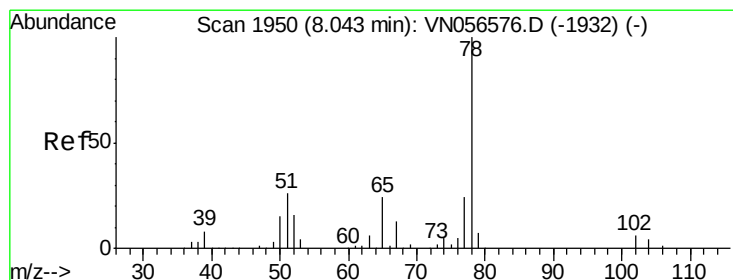
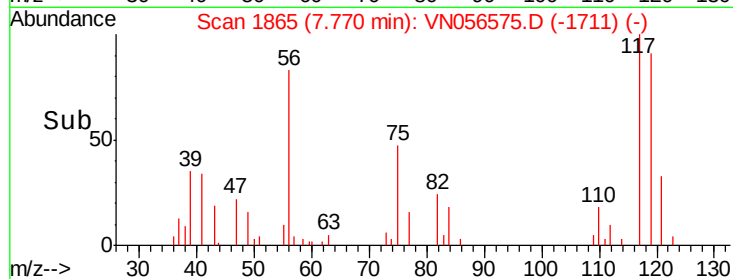
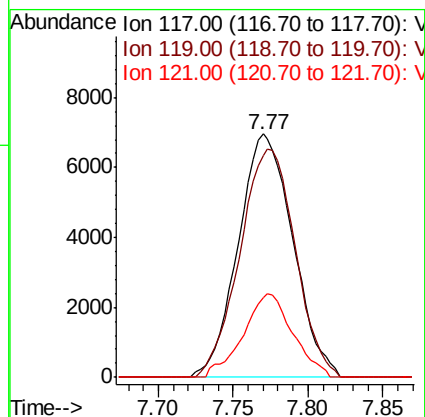
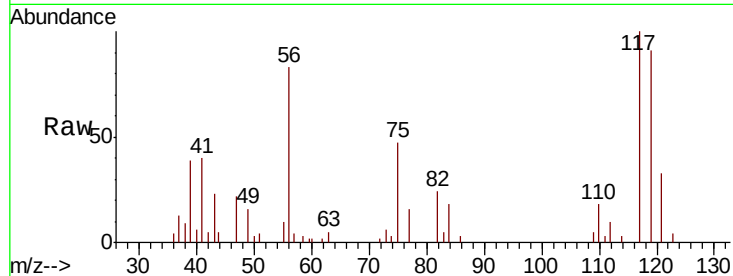




#33
Carbon Tetrachloride
Concen: 5.273 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

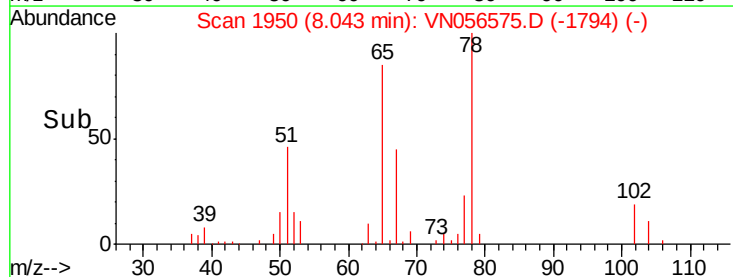
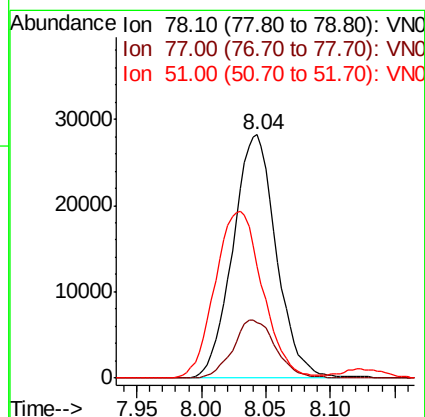
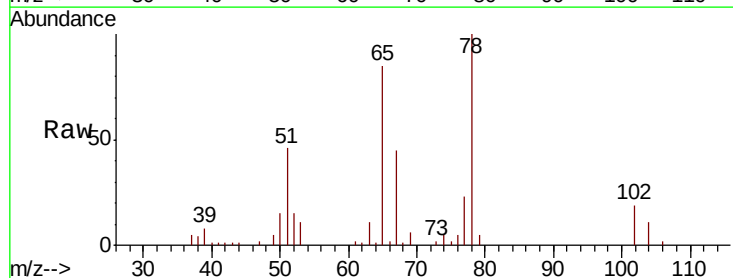
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

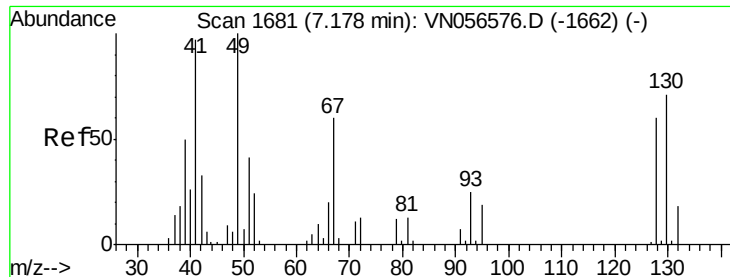
Tgt Ion:117 Resp: 17708
Ion Ratio Lower Upper
117 100
119 90.9 77.3 115.9
121 32.5 25.0 37.4



#34
Benzene
Concen: 5.767 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion: 78 Resp: 65927
Ion Ratio Lower Upper
78 100
77 22.9 19.3 28.9
51 44.0 19.8 29.8#





#35

Methacrylonitrile

Concen: 6.163 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 9829

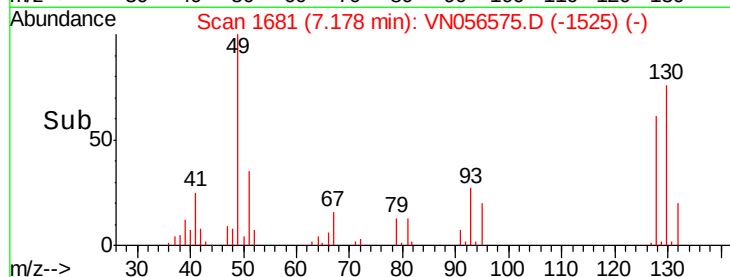
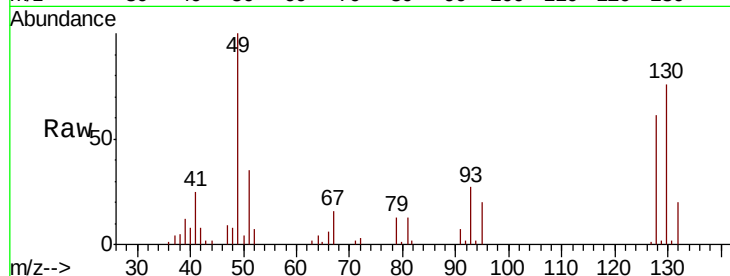
Ion Ratio Lower Upper

41 100

39 49.5 24.8 74.3

67 64.4 34.3 102.9

52 28.0 12.6 37.8

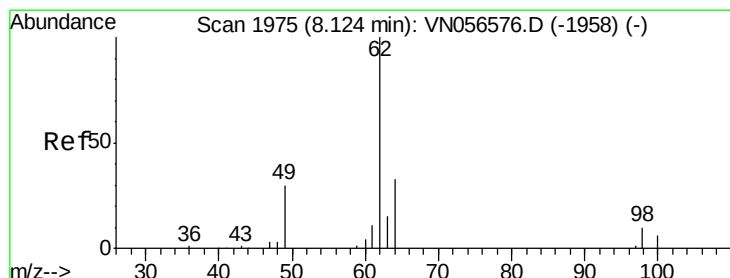
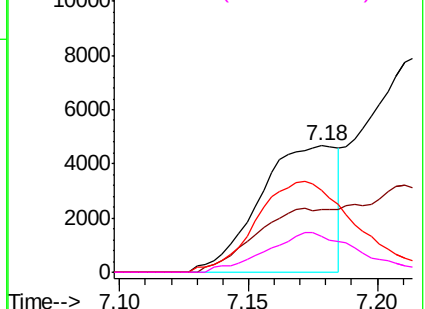


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#36

1,2-Dichloroethane

Concen: 6.179 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN056575.D

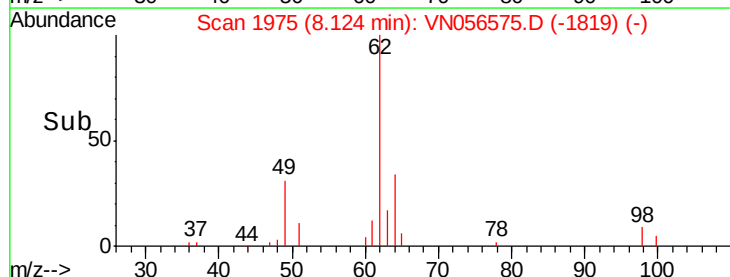
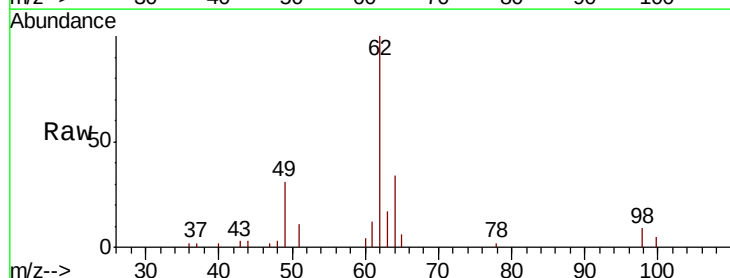
Acq: 3 Jul 2019 9:10

Tgt Ion: 62 Resp: 22123

Ion Ratio Lower Upper

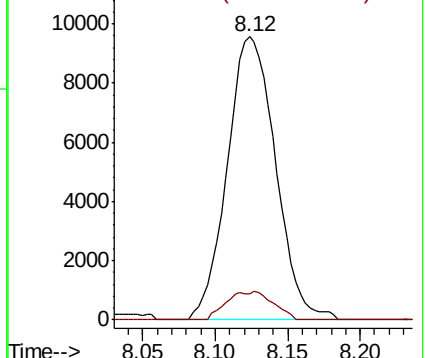
62 100

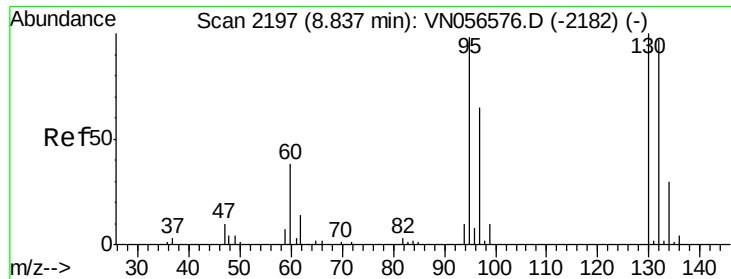
98 4.3 8.6 13.0#



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

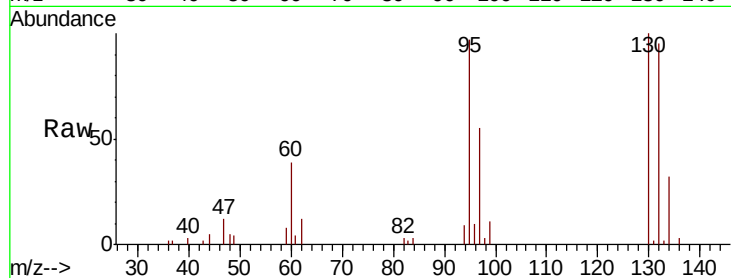




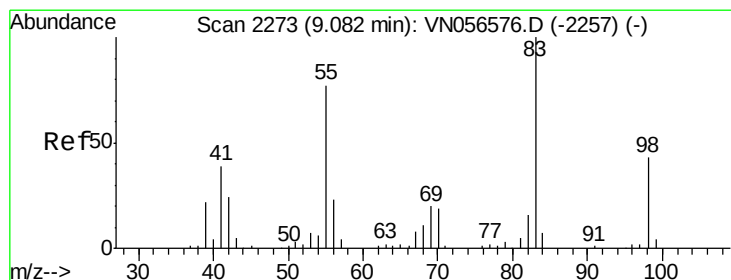
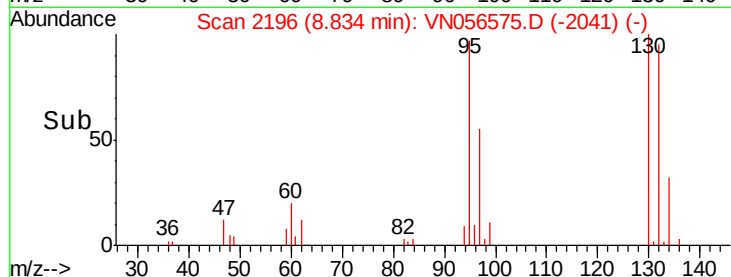
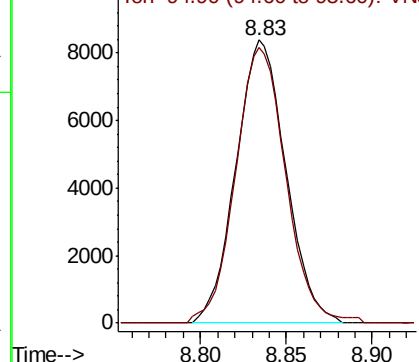
#37
 Trichloroethene
 Concen: 5.275 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 130 Resp: 16872
 Ion Ratio Lower Upper
 130 100
 95 95.5 73.0 109.6

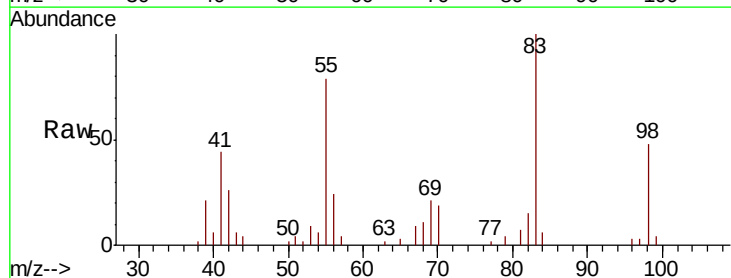


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

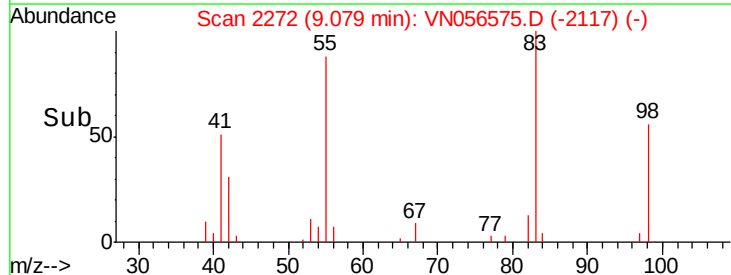
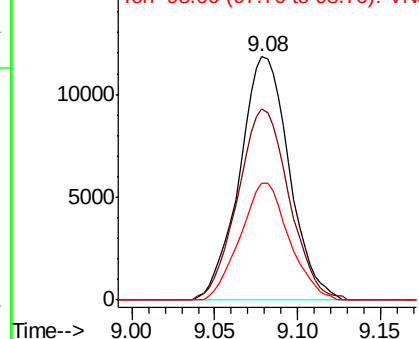


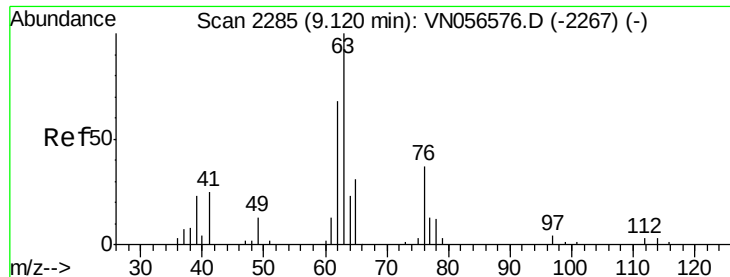
#38
 Methylcyclohexane
 Concen: 5.416 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion: 83 Resp: 24636
 Ion Ratio Lower Upper
 83 100
 55 81.2 37.5 112.7
 98 47.4 23.1 69.3



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 5.990 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

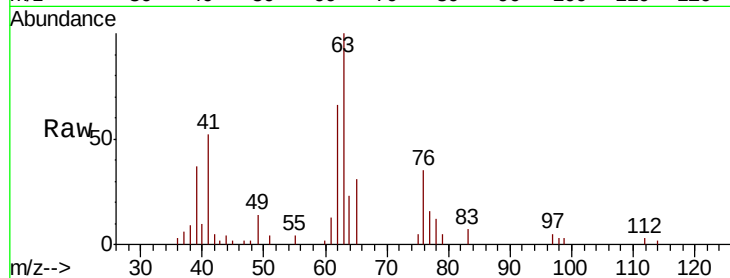
VSTDIC005

Tgt Ion: 63 Resp: 17538

Ion Ratio Lower Upper

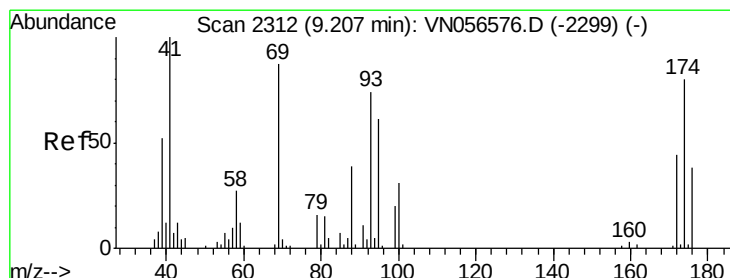
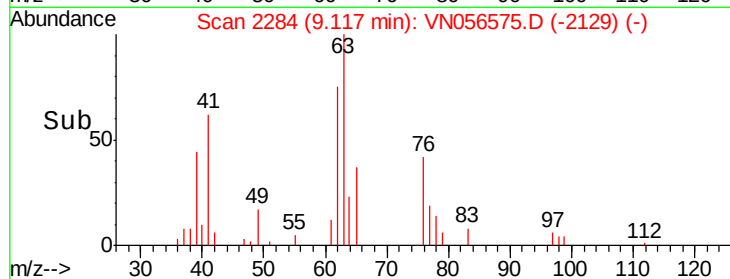
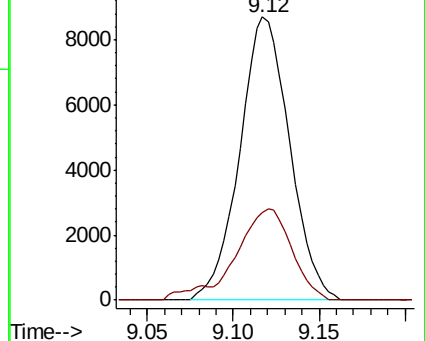
63 100

65 30.8 23.1 34.7



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 5.488 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

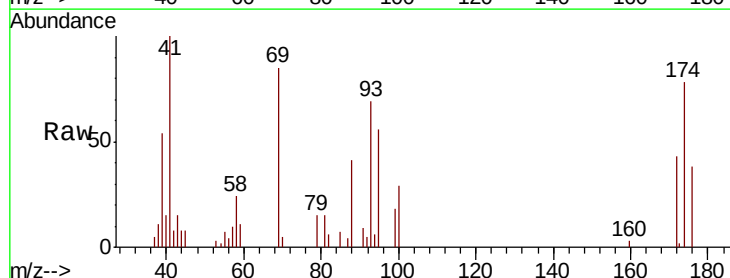
Tgt Ion: 93 Resp: 10654

Ion Ratio Lower Upper

93 100

95 78.9 0.0 169.0

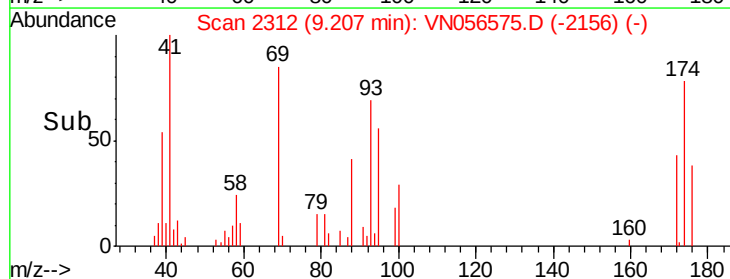
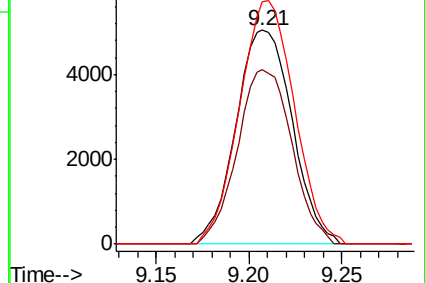
174 111.0 0.0 246.4

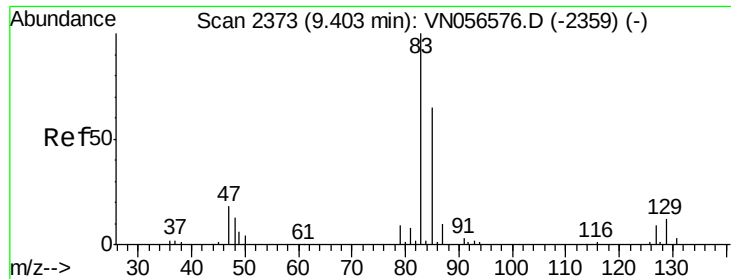


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 5.388 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

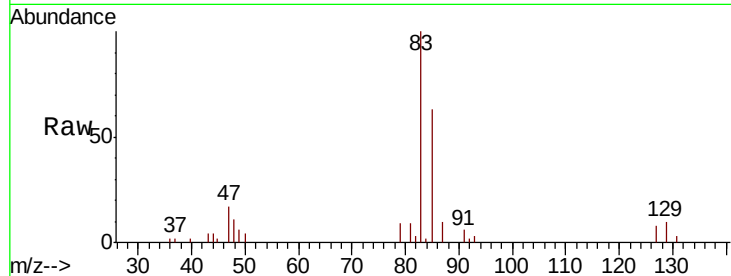
Tgt Ion: 83 Resp: 18730

Ion Ratio Lower Upper

83 100

85 63.3 51.8 77.6

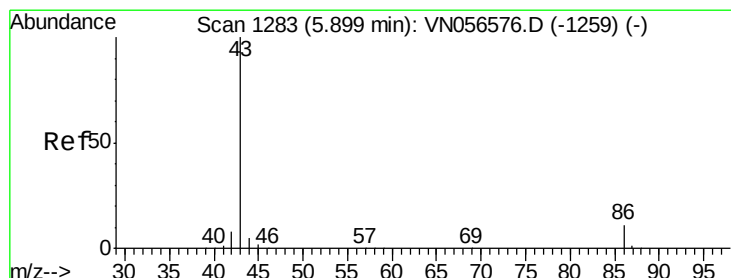
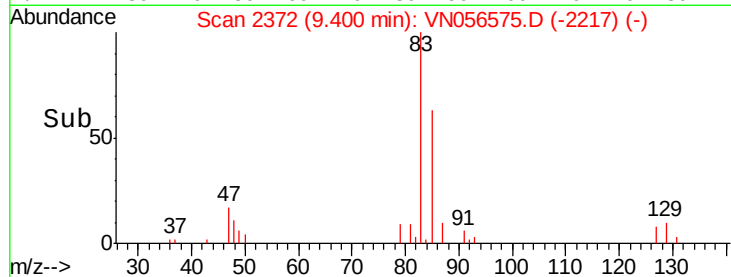
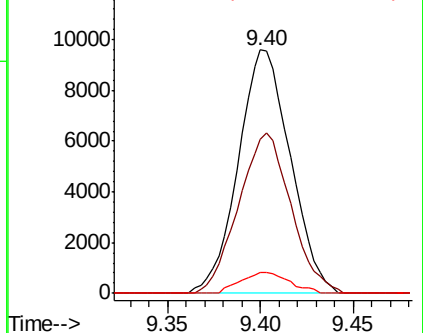
127 8.5 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 27.798 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN056575.D

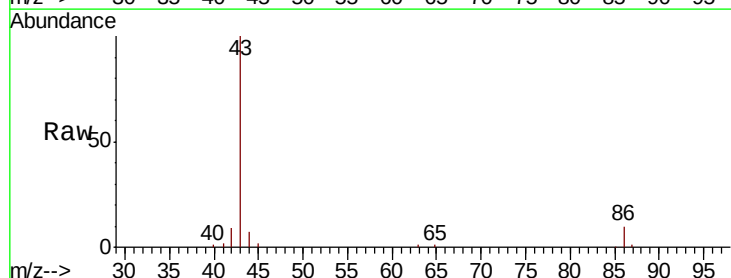
Acq: 3 Jul 2019 9:10

Tgt Ion: 43 Resp: 187185

Ion Ratio Lower Upper

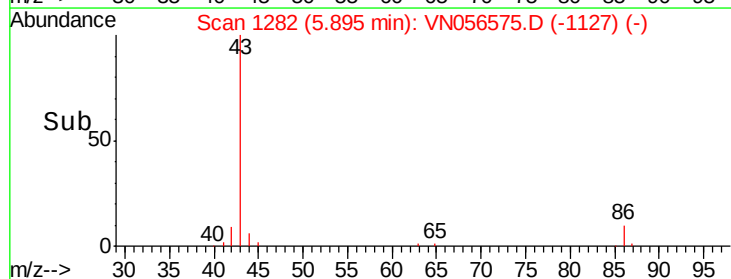
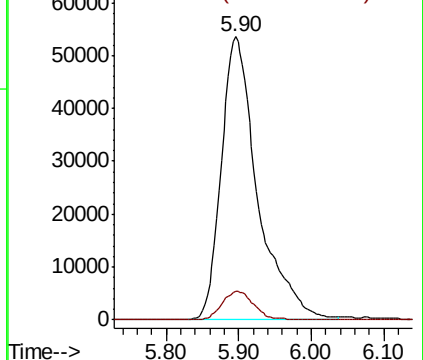
43 100

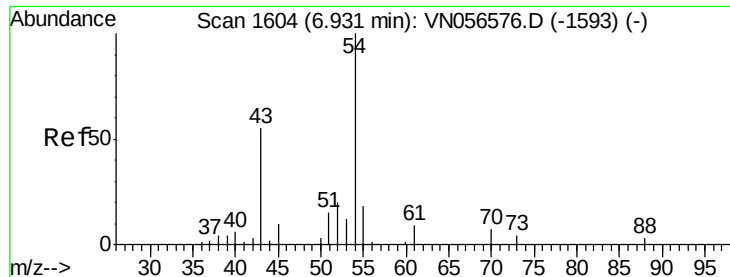
86 8.6 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 6.047 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

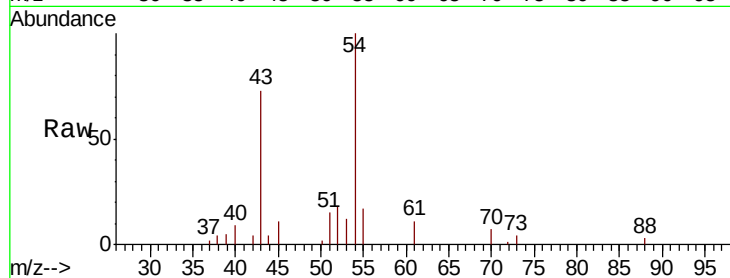
VSTDIC005

Tgt Ion: 43 Resp: 21859

Ion Ratio Lower Upper

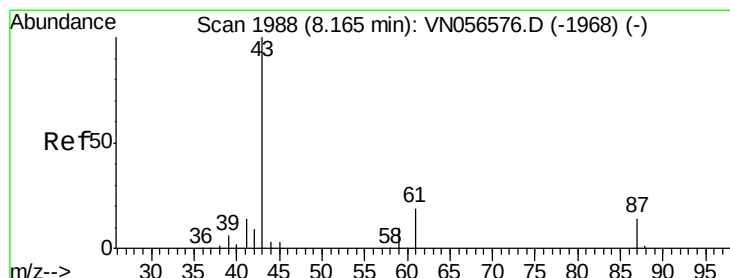
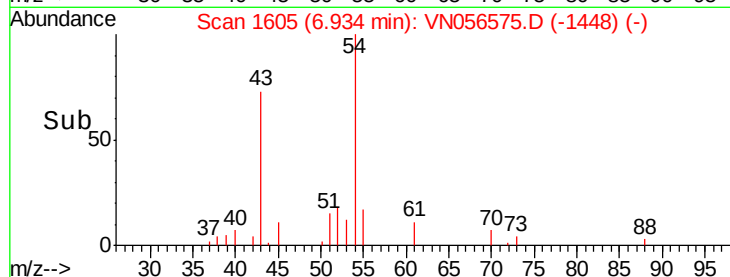
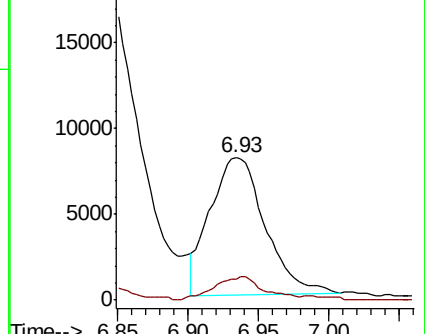
43 100

45 15.4 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 5.928 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056575.D

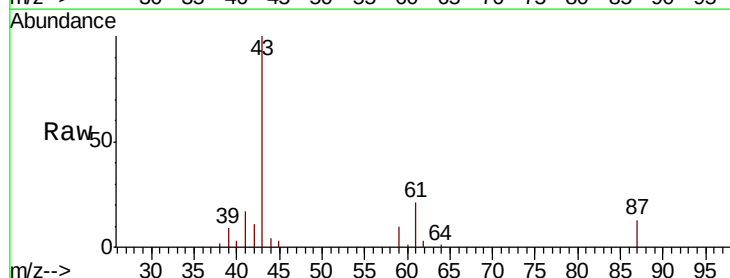
Acq: 3 Jul 2019 9:10

Tgt Ion: 43 Resp: 33272

Ion Ratio Lower Upper

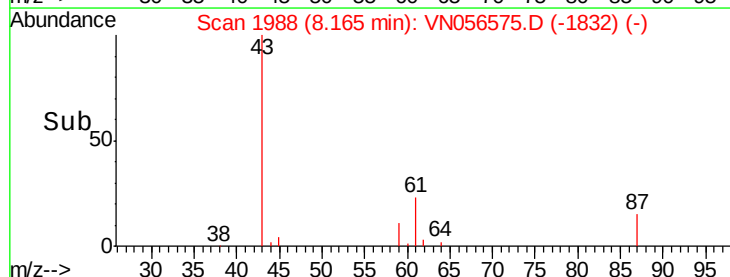
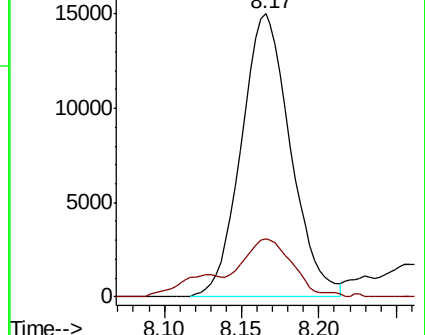
43 100

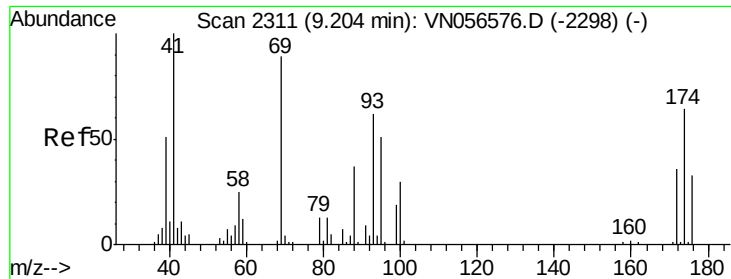
61 18.5 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

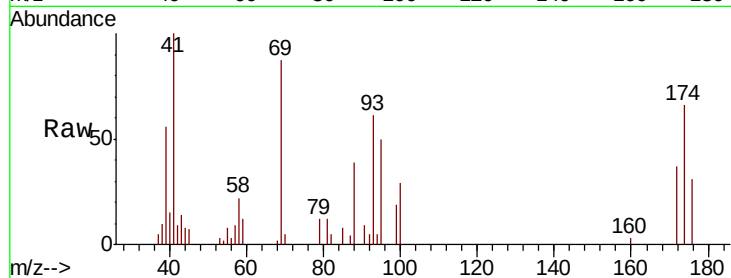




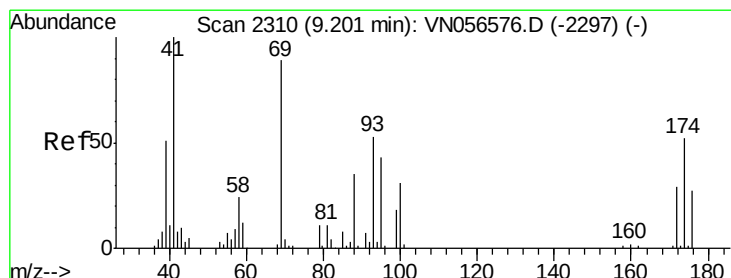
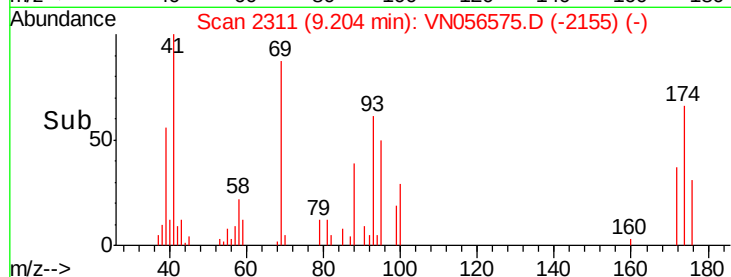
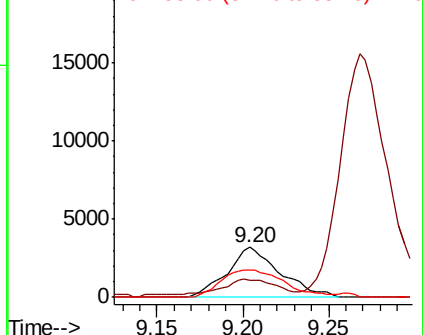
#45
 1,4-Dioxane
 Concen: 114.359 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 88 Resp: 6866
 Ion Ratio Lower Upper
 88 100
 43 34.7 19.8 29.6#
 58 64.7 48.5 72.7

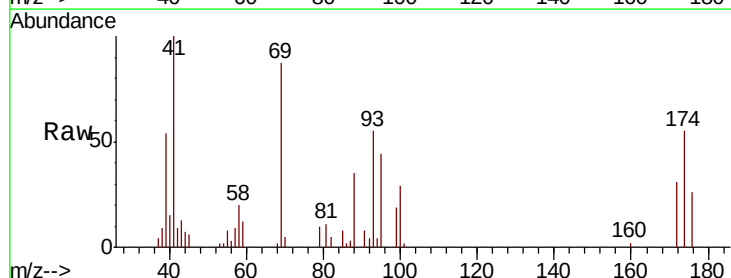


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

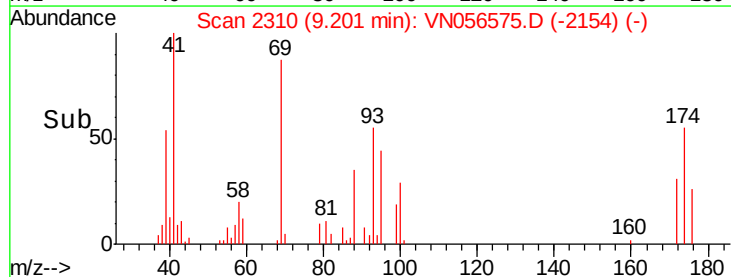
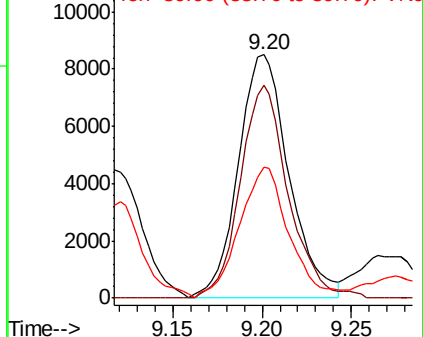


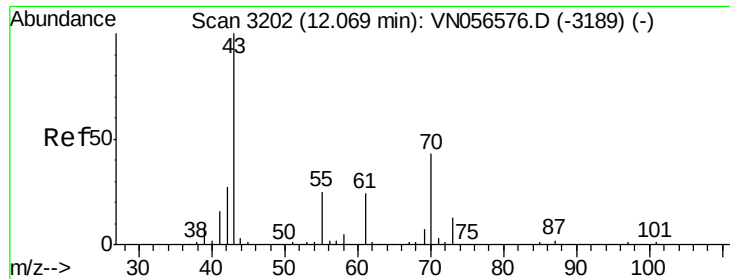
#46
 Methyl methacrylate
 Concen: 6.053 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion: 41 Resp: 16877
 Ion Ratio Lower Upper
 41 100
 69 87.2 46.0 137.8
 39 52.0 24.6 73.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 5.299 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

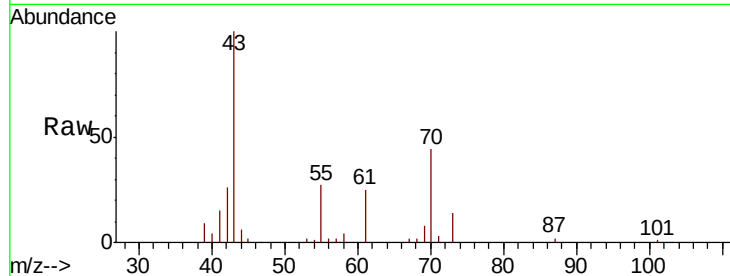
VSTDIC005

Tgt Ion: 43 Resp: 24595

Ion Ratio Lower Upper

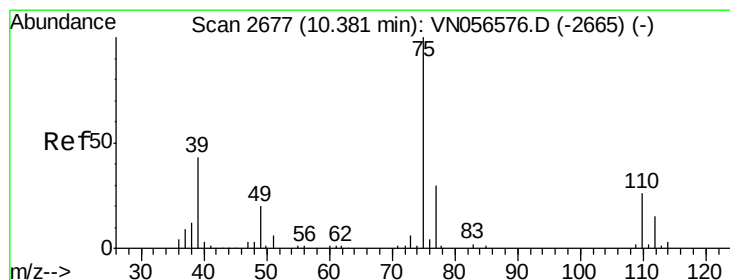
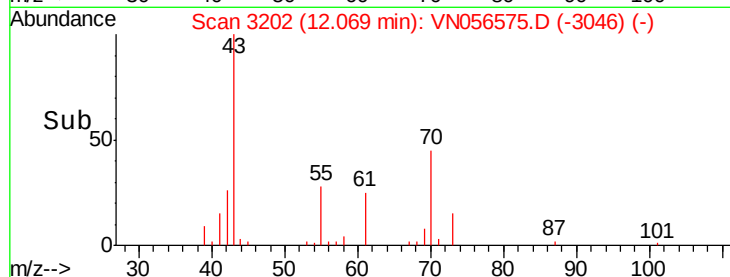
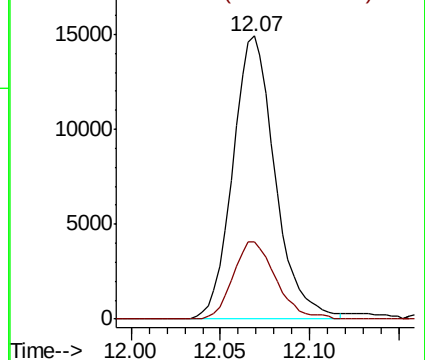
43 100

55 27.1 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 4.933 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056575.D

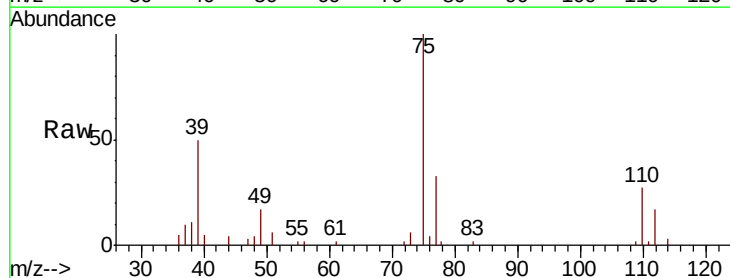
Acq: 3 Jul 2019 9:10

Tgt Ion: 75 Resp: 18044

Ion Ratio Lower Upper

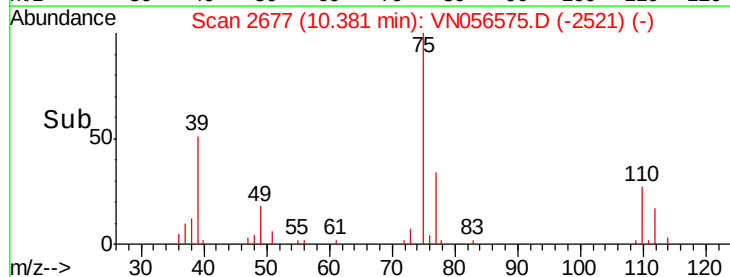
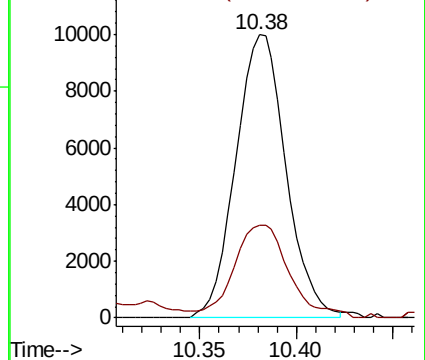
75 100

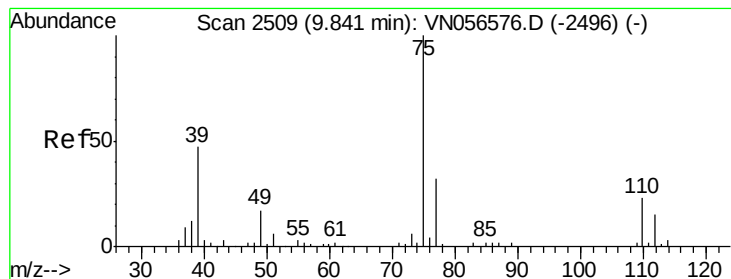
77 30.5 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



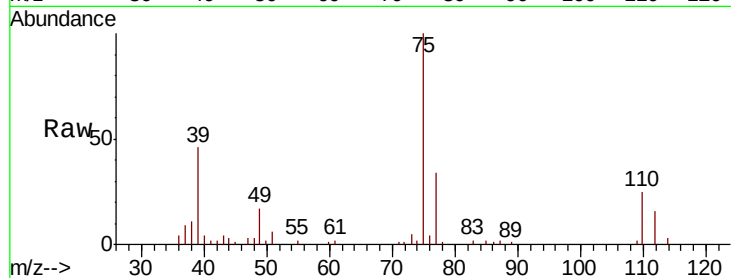


#49

cis-1,3-Dichloropropene
Concen: 5.084 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.0	25.1	37.7
39	46.4	34.3	51.5

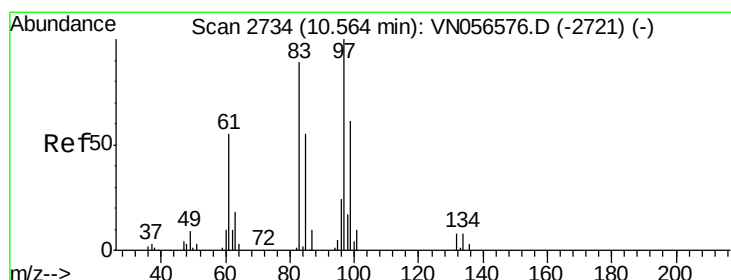
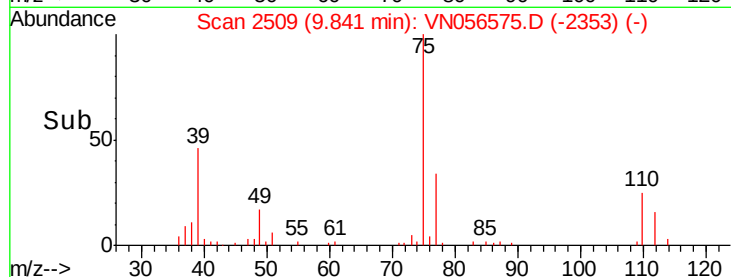
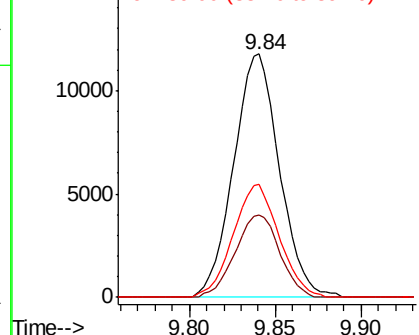


Abundance

Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

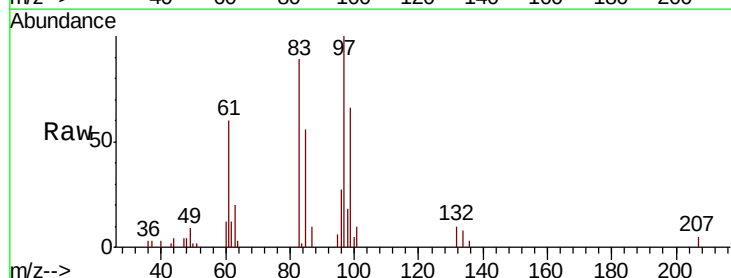
Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane
Concen: 5.473 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.9	66.9	100.3
85	55.6	43.3	64.9
99	65.6	48.6	73.0



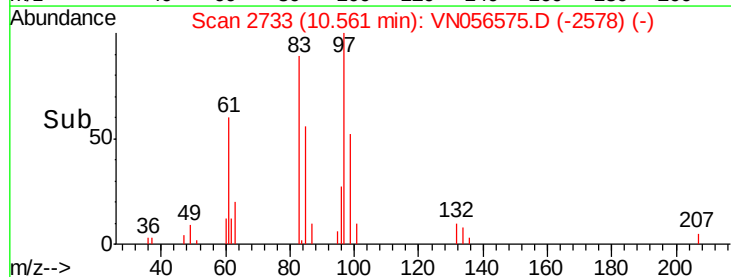
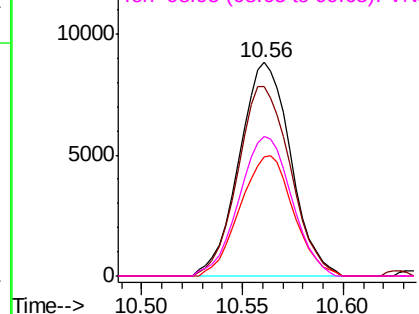
Abundance

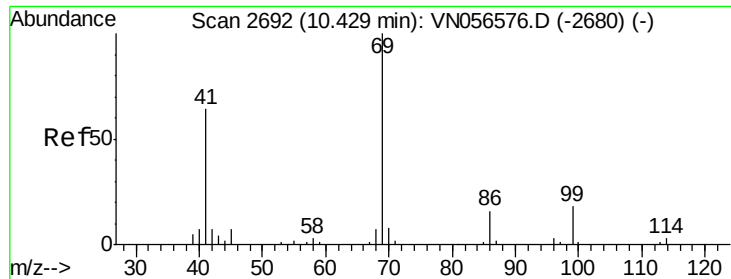
Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0

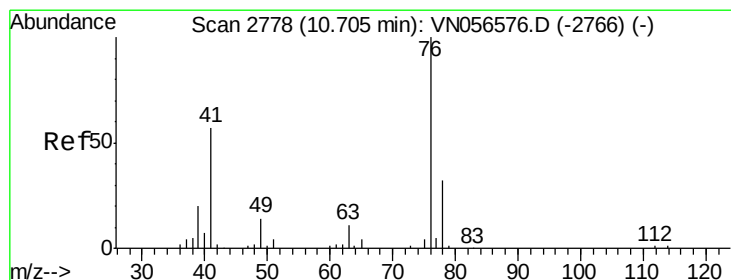
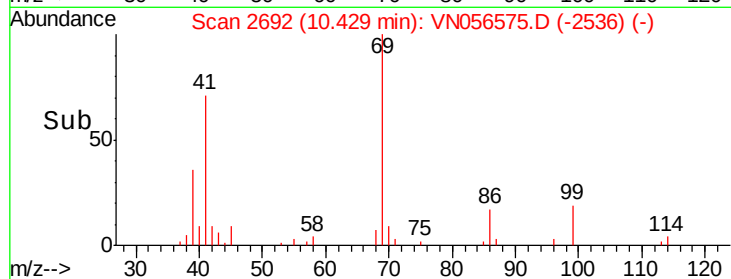
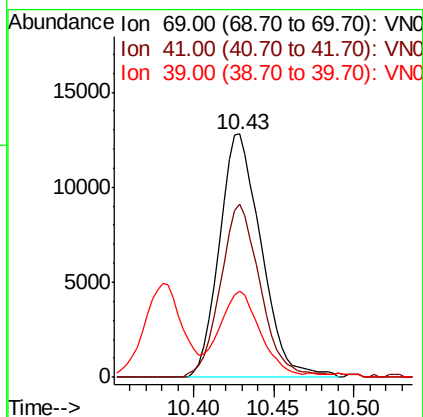
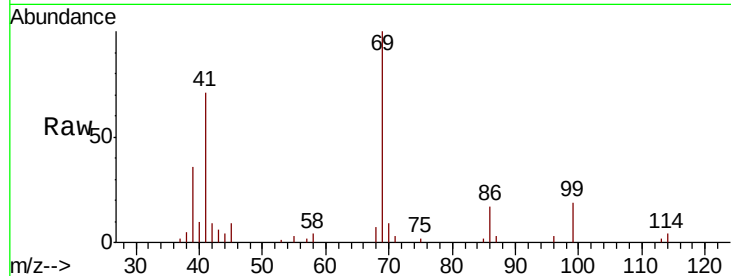




#51
Ethyl methacrylate
Concen: 5.252 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

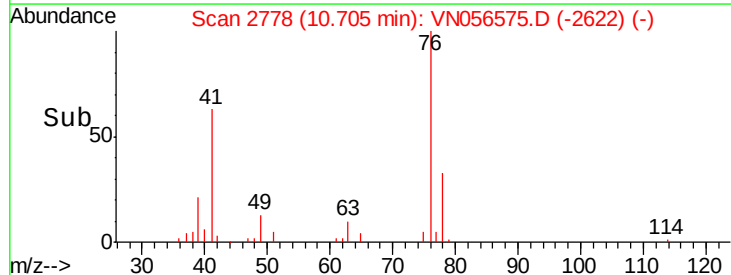
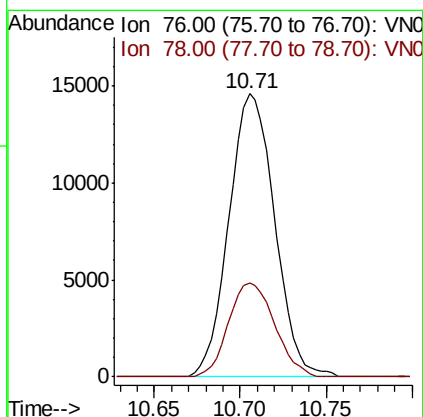
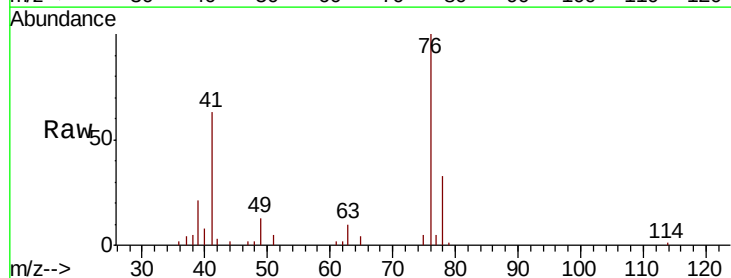
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

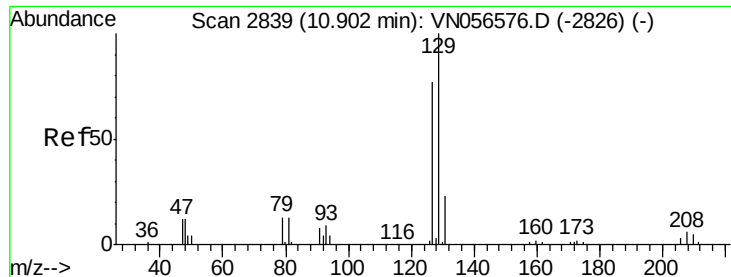
Tgt Ion: 69 Resp: 22909
Ion Ratio Lower Upper
69 100
41 69.5 30.8 92.3
39 34.1 14.5 43.6



#52
1,3-Dichloropropane
Concen: 5.779 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion: 76 Resp: 27013
Ion Ratio Lower Upper
76 100
78 33.4 0.0 63.4





#53

Dibromochloromethane

Concen: 4.804 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

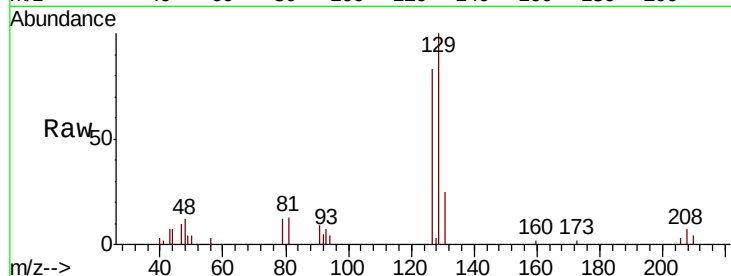
VSTDIC005

Tgt Ion:129 Resp: 13560

Ion Ratio Lower Upper

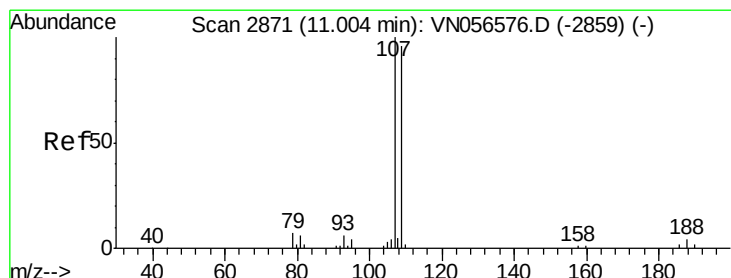
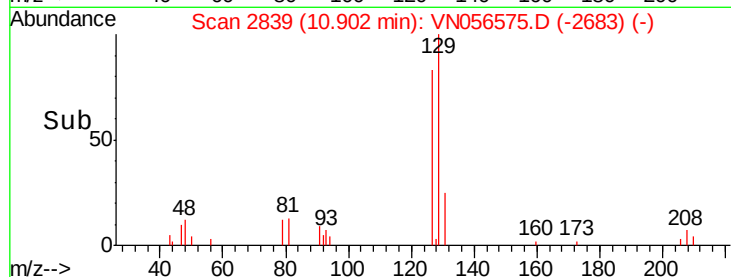
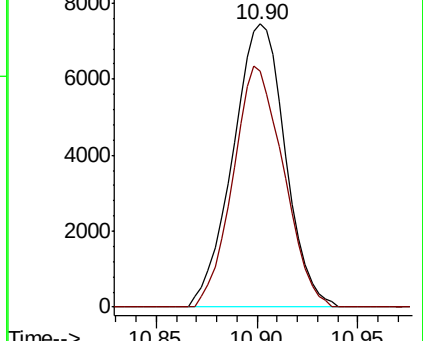
129 100

127 81.8 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 5.260 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056575.D

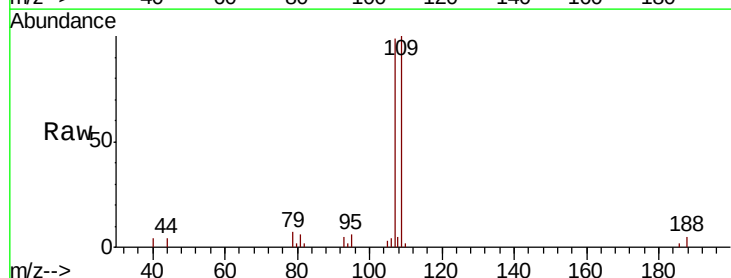
Acq: 3 Jul 2019 9:10

Tgt Ion:107 Resp: 15827

Ion Ratio Lower Upper

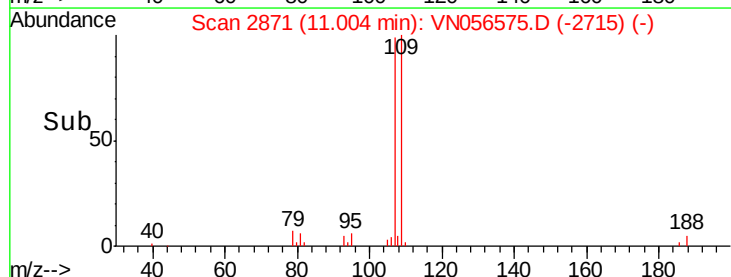
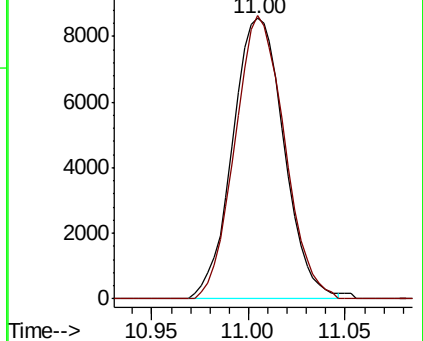
107 100

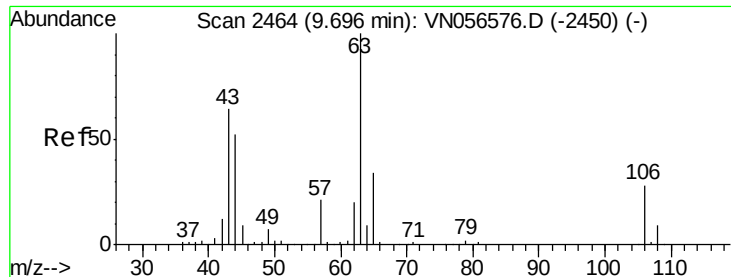
109 97.1 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

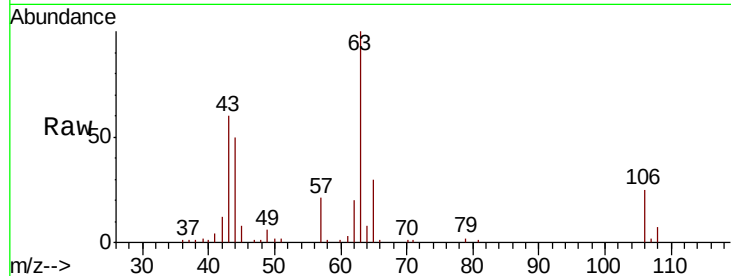




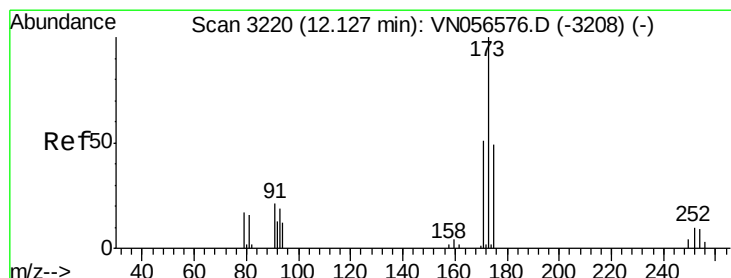
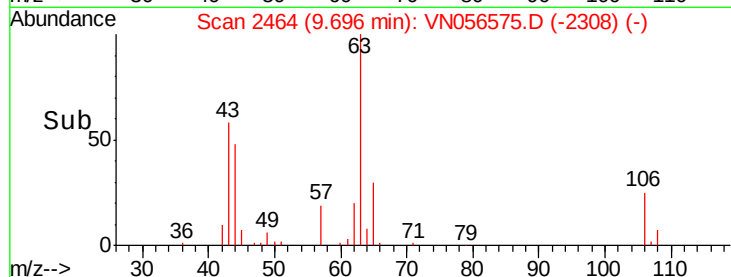
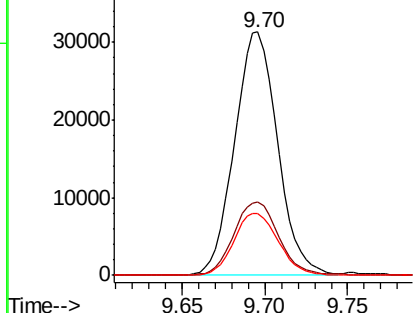
#55
 2-Chloroethyl vinyl ether
 Concen: 37.189 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 63 Resp: 56820
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.5 38.3
 106 26.1 23.0 34.4

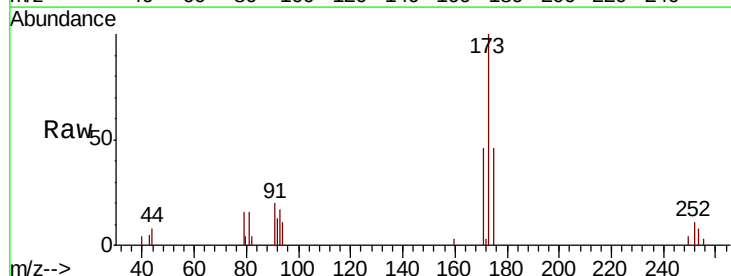


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 65.00 (64.70 to 65.70): VN0
 Ion 106.00 (105.70 to 106.70): VN0

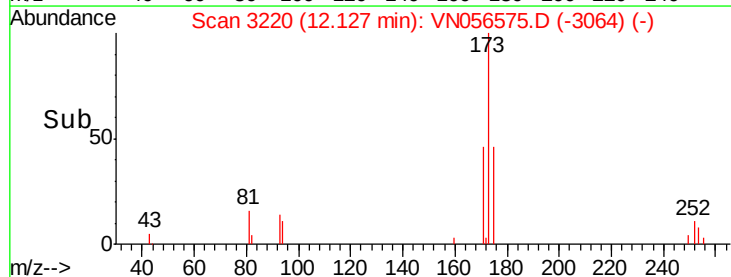
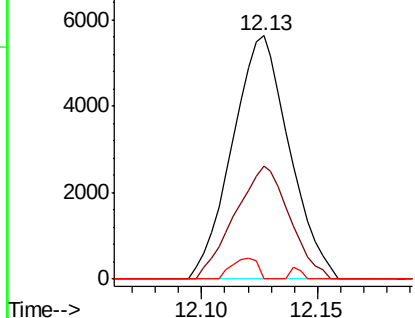


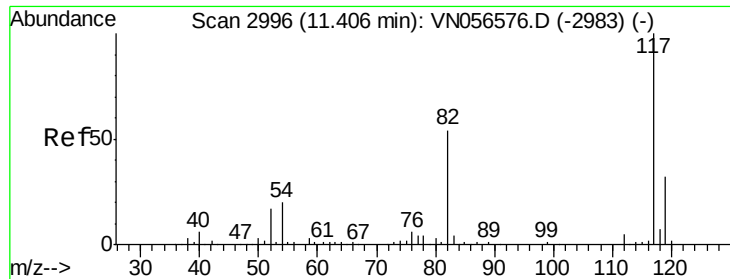
#56
 Bromoform
 Concen: 4.711 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion: 173 Resp: 9619
 Ion Ratio Lower Upper
 173 100
 175 44.6 38.7 58.1
 254 3.8 6.6 9.8#



Abundance Ion 173.00 (172.70 to 173.70): V
 Ion 175.00 (174.70 to 175.70): V
 Ion 254.00 (253.70 to 254.70): V

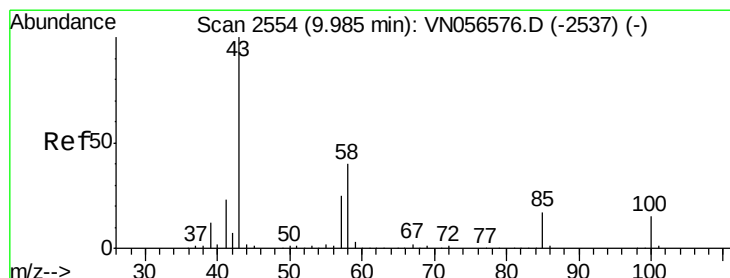
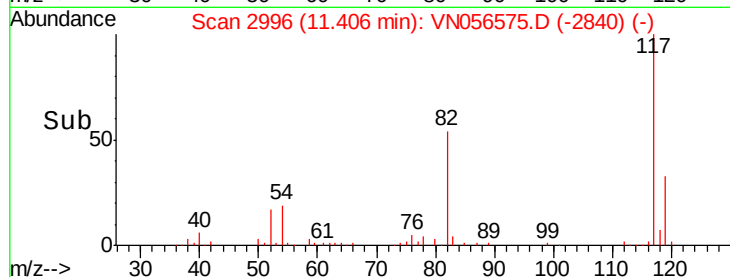
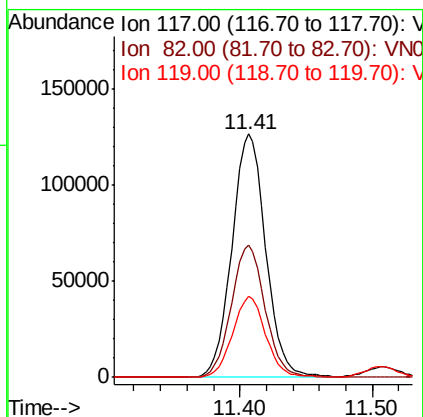
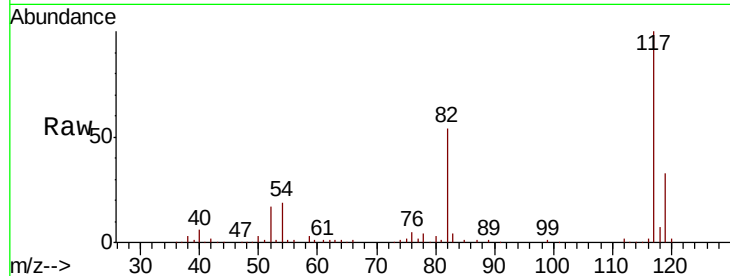




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

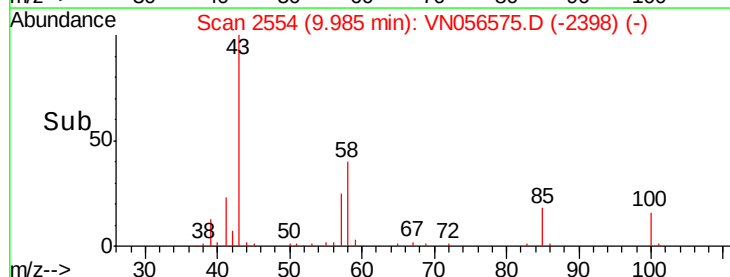
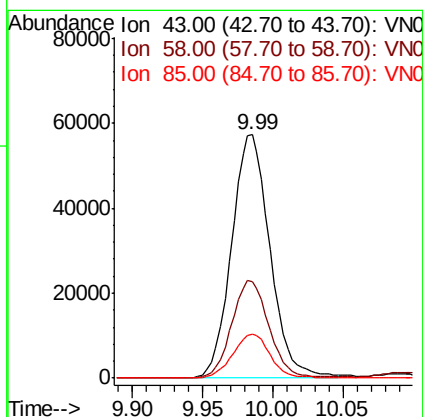
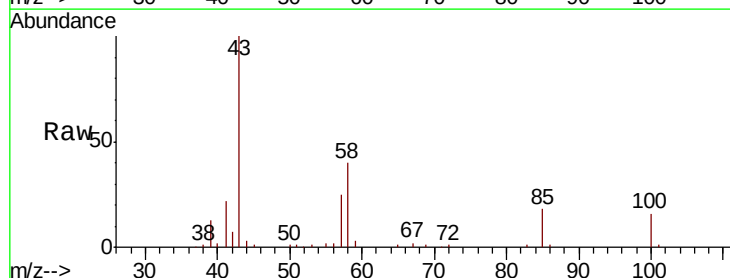
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

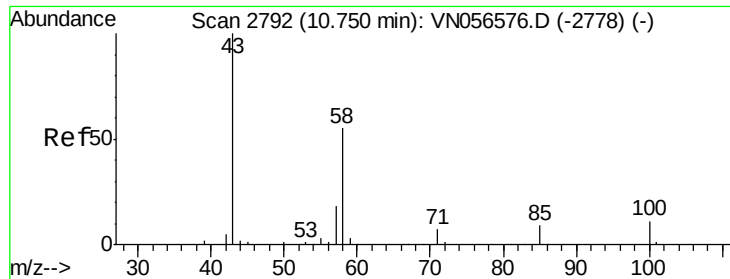
Tgt Ion: 117 Resp: 224449
Ion Ratio Lower Upper
117 100
82 54.1 41.2 61.8
119 32.6 26.2 39.2



#58
4-Methyl-2-Pentanone
Concen: 31.924 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion: 43 Resp: 108499
Ion Ratio Lower Upper
43 100
58 39.1 33.1 49.7
85 17.8 15.5 23.3

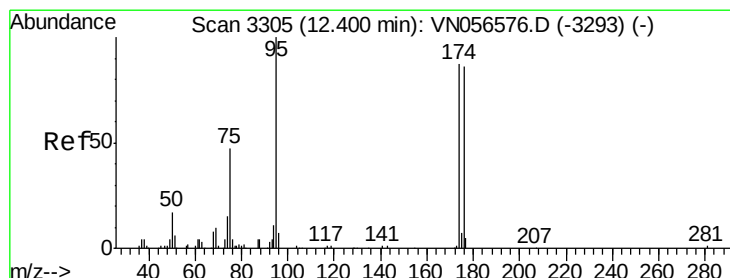
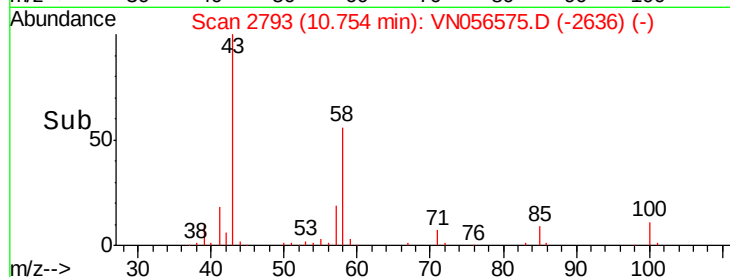
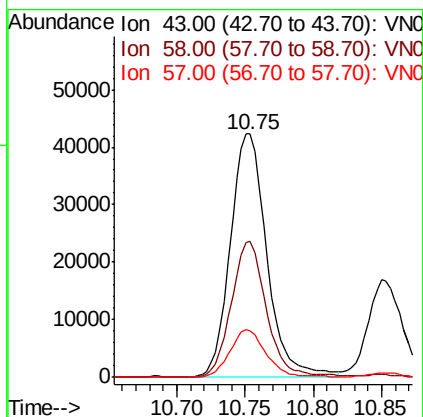
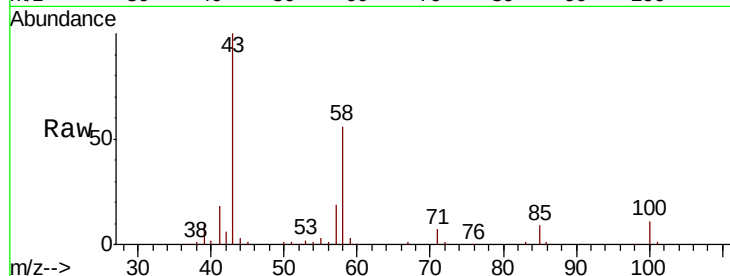




#59
2-Hexanone
Concen: 32.407 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

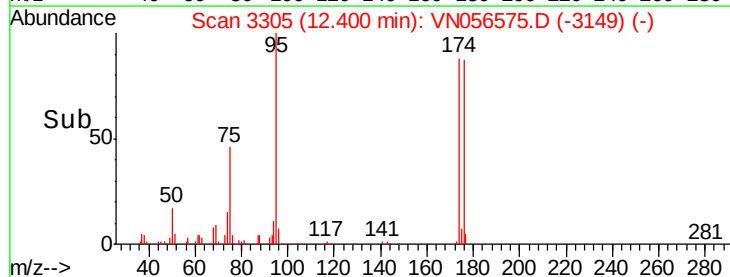
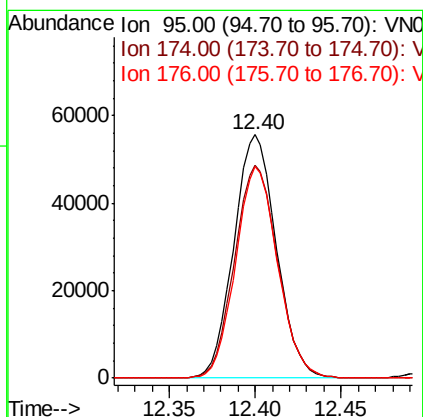
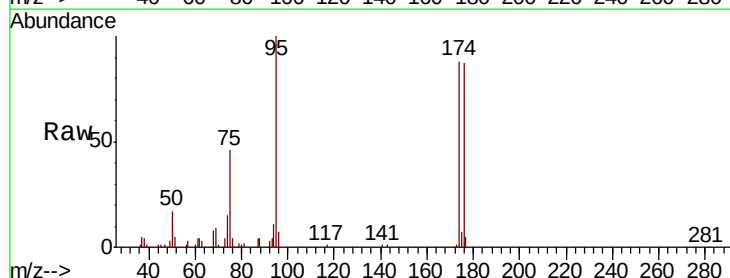
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

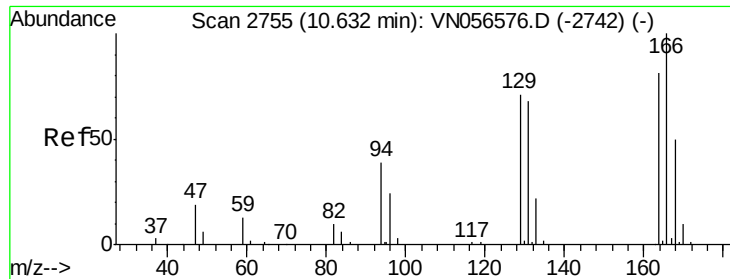
Tgt Ion: 43 Resp: 78723
Ion Ratio Lower Upper
43 100
58 53.3 45.3 67.9
57 19.2 15.6 23.4



#60
4-Bromofluorobenzene
Concen: 28.768 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion: 95 Resp: 95707
Ion Ratio Lower Upper
95 100
174 88.7 75.4 113.0
176 85.8 73.9 110.9

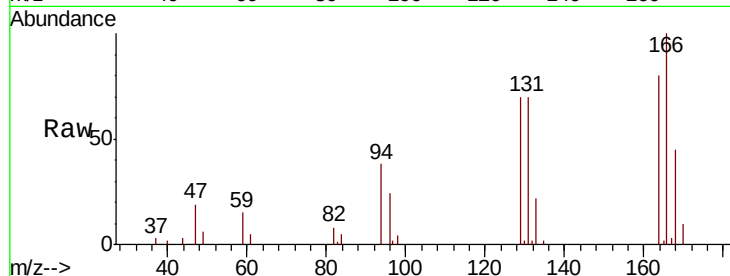




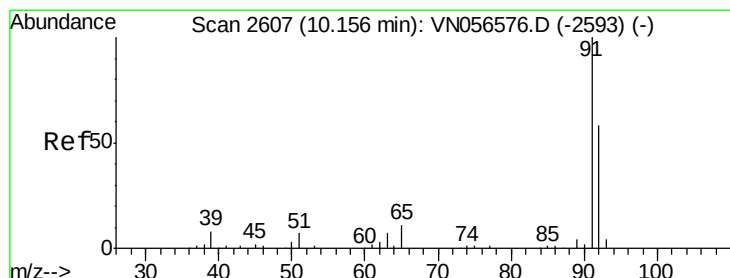
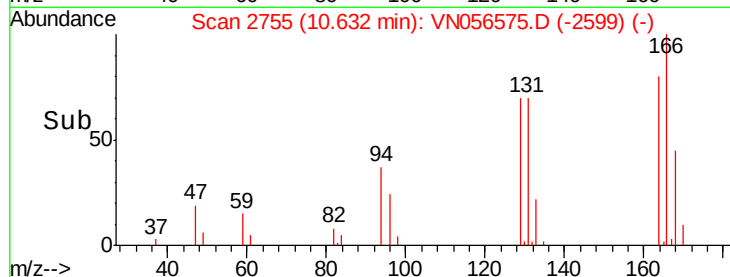
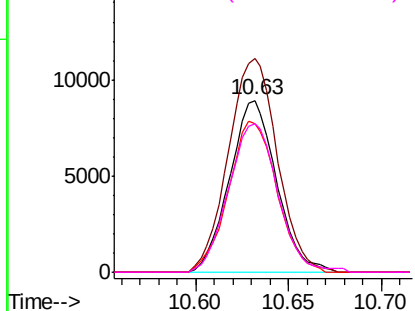
#61
Tetrachloroethene
Concen: 5.048 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:164 Resp: 15792
Ion Ratio Lower Upper
164 100
166 124.4 104.3 156.5
129 86.8 71.5 107.3
131 86.9 67.7 101.5

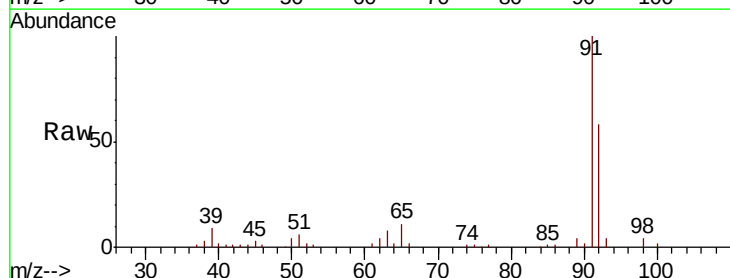


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

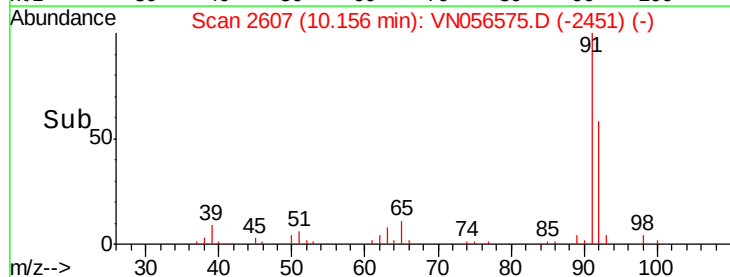
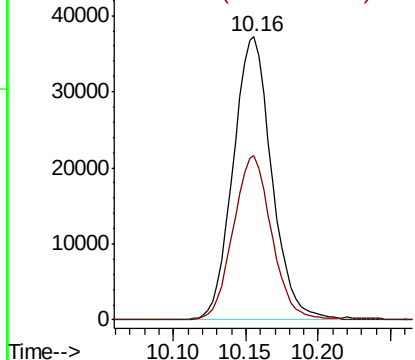


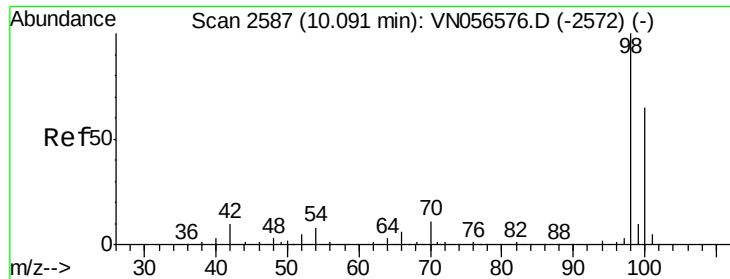
#62
Toluene
Concen: 5.685 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion: 91 Resp: 68879
Ion Ratio Lower Upper
91 100
92 57.8 45.5 68.3



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





#63

Toluene-d8

Concen: 31.765 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

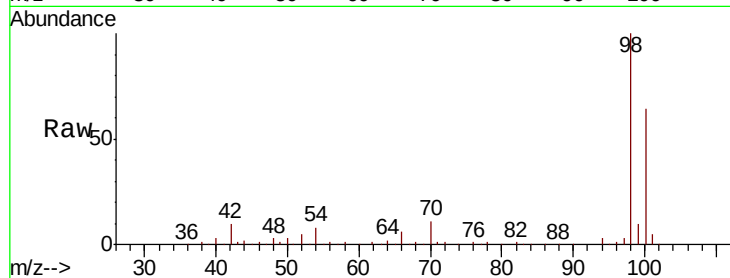
VSTDIC005

Tgt Ion: 98 Resp: 323418

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VN056576.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN056576.D (-2572) (-)

10.09

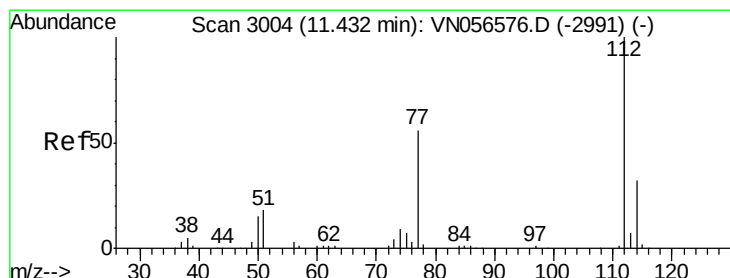
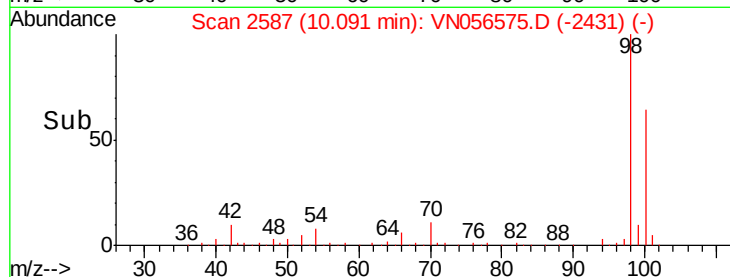
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 5.513 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056575.D

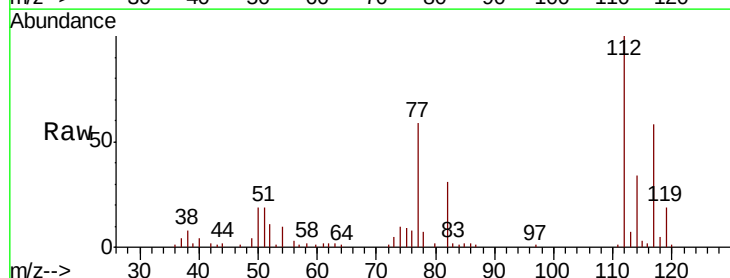
Acq: 3 Jul 2019 9:10

Tgt Ion: 112 Resp: 40519

Ion Ratio Lower Upper

112 100

114 33.6 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): VN056576.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN056576.D (-2991) (-)

11.43

25000

20000

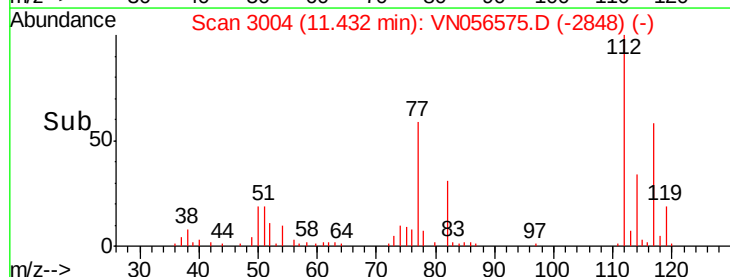
15000

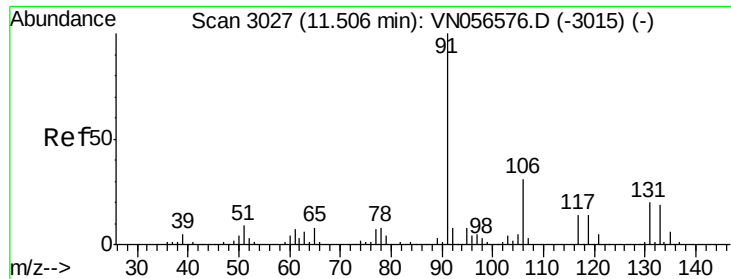
10000

5000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 5.237 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

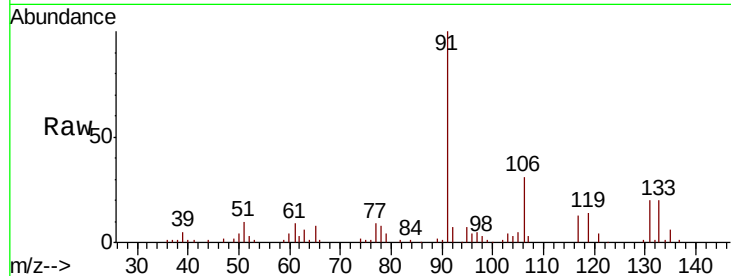
Tgt Ion: 131 Resp: 13879

Ion Ratio Lower Upper

131 100

133 99.1 0.0 193.8

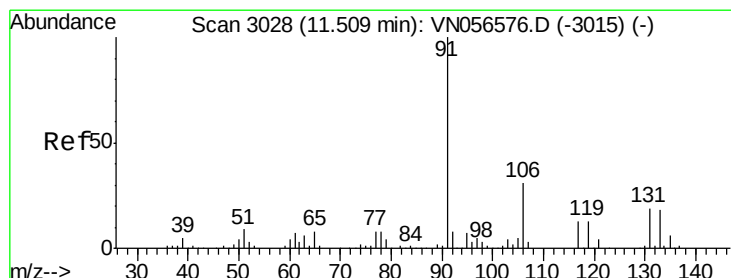
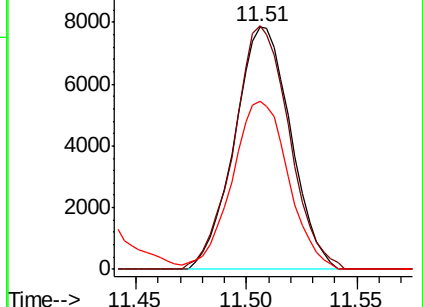
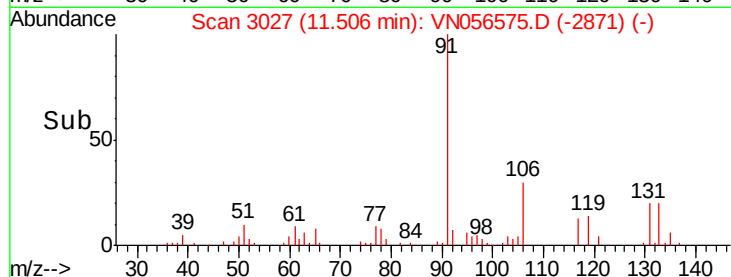
119 69.6 0.0 134.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 5.534 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056575.D

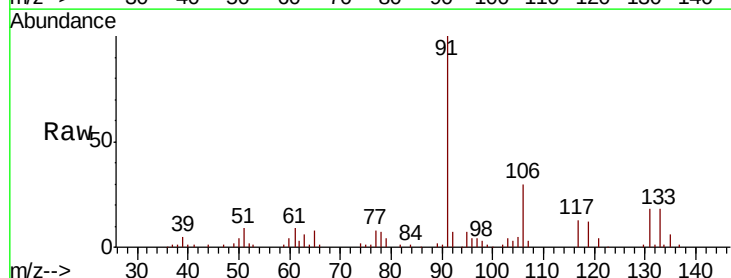
Acq: 3 Jul 2019 9:10

Tgt Ion: 91 Resp: 71412

Ion Ratio Lower Upper

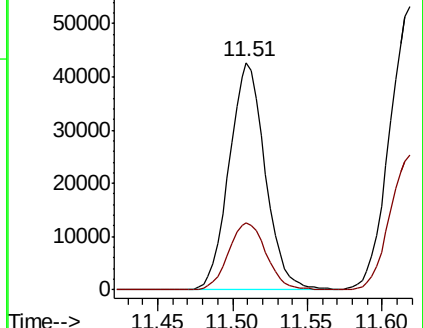
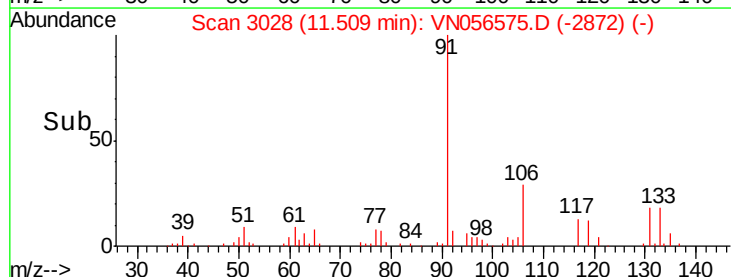
91 100

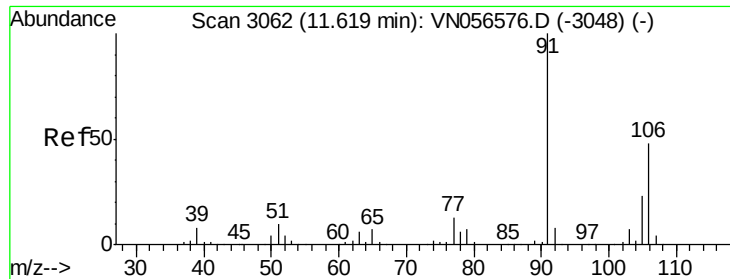
106 29.6 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

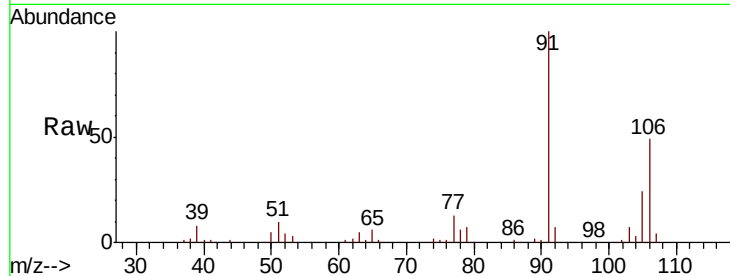




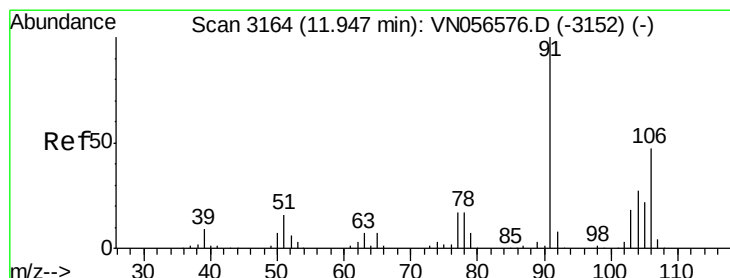
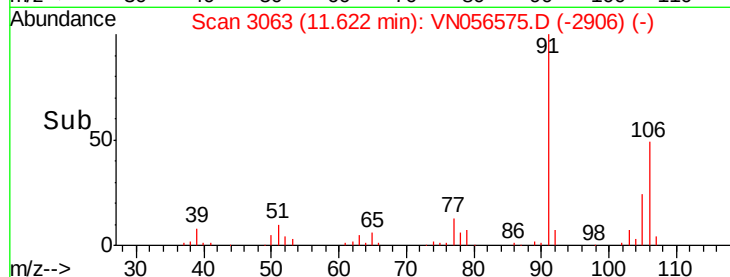
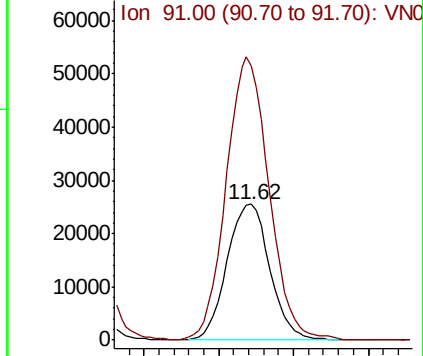
#67
m/p-Xylenes
Concen: 10.274 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 50752
Ion Ratio Lower Upper
106 100
91 208.4 155.7 233.5

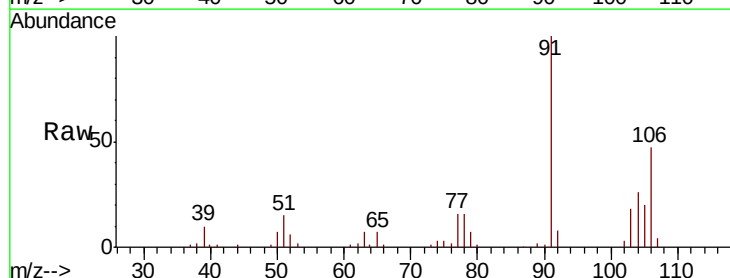


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

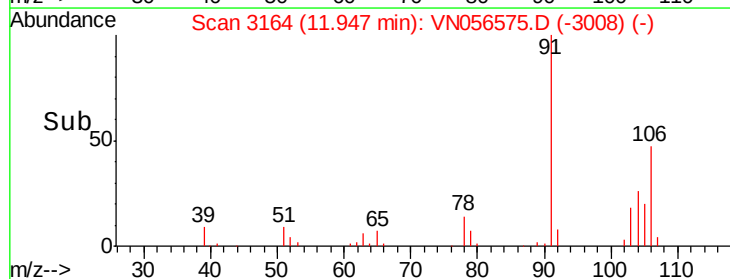
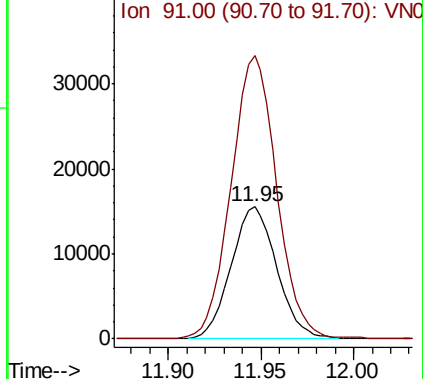


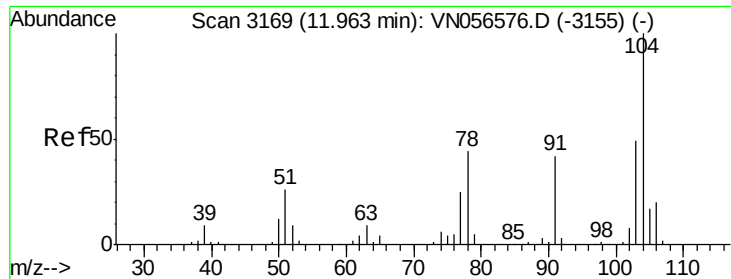
#68
o-Xylene
Concen: 5.483 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion:106 Resp: 26517
Ion Ratio Lower Upper
106 100
91 214.5 103.9 311.7



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

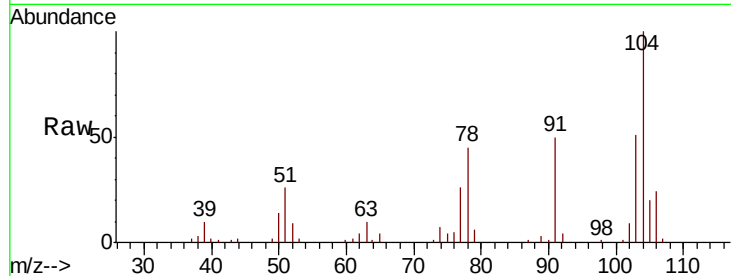




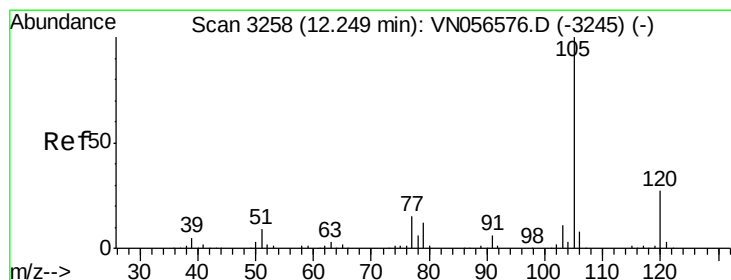
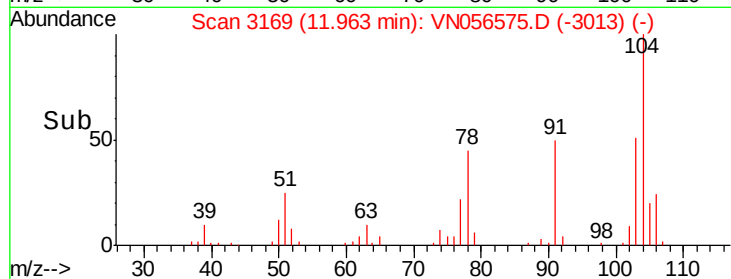
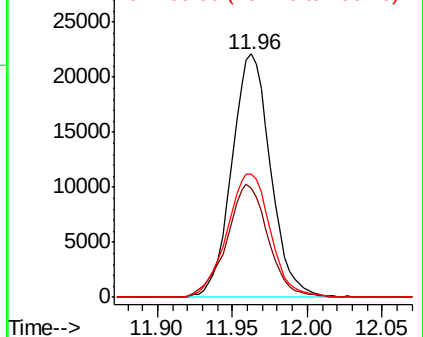
#69
Styrene
Concen: 5.083 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:104 Resp: 39936
Ion Ratio Lower Upper
104 100
78 49.3 37.0 55.6
103 56.7 44.4 66.6

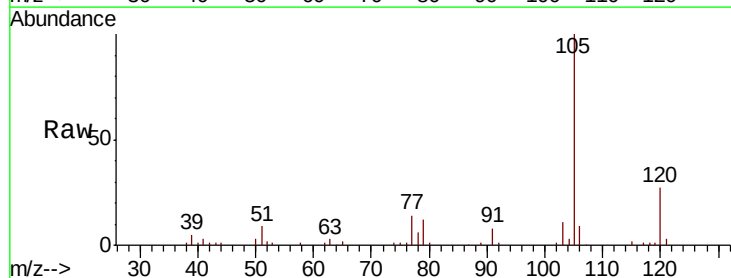


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

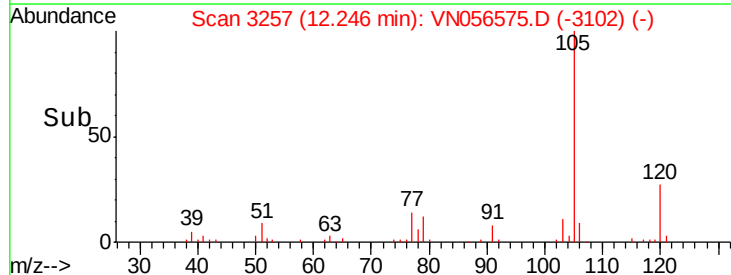
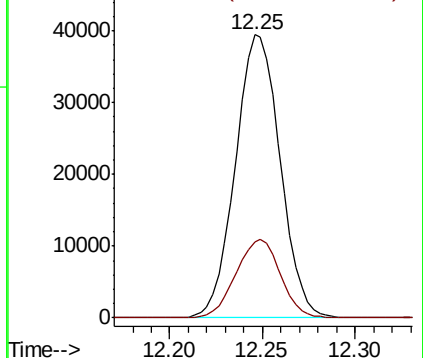


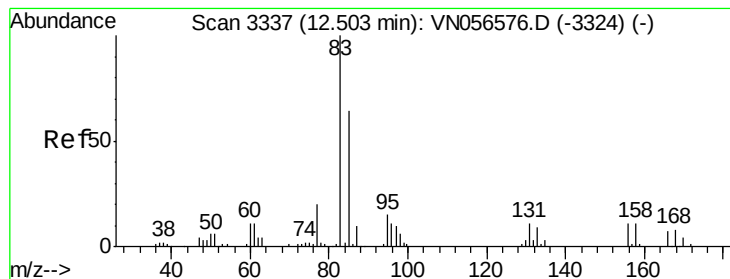
#70
Isopropylbenzene
Concen: 5.244 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion:105 Resp: 66253
Ion Ratio Lower Upper
105 100
120 27.4 19.3 35.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 6.067 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

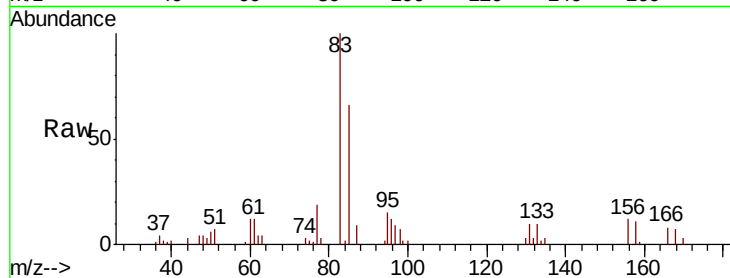
Tgt Ion: 83 Resp: 23113

Ion Ratio Lower Upper

83 100

131 9.9 5.2 15.6

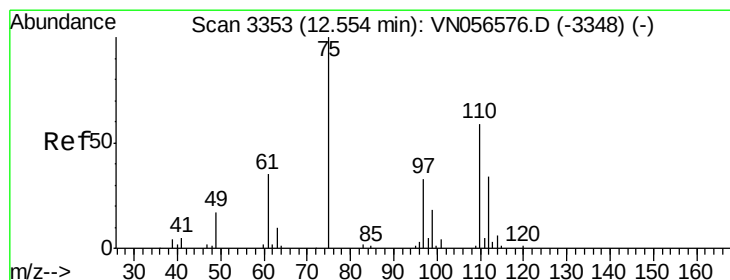
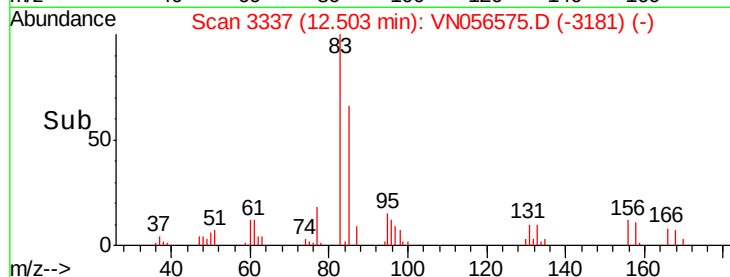
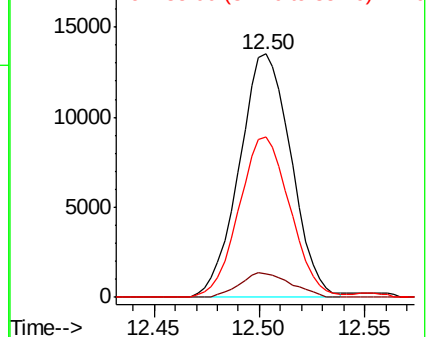
85 65.2 31.6 94.7



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 7.693 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN056575.D

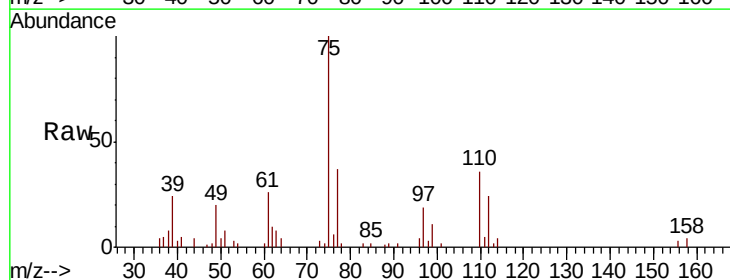
Acq: 3 Jul 2019 9:10

Tgt Ion: 75 Resp: 25370

Ion Ratio Lower Upper

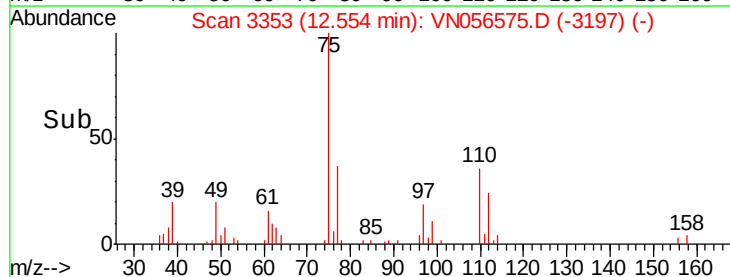
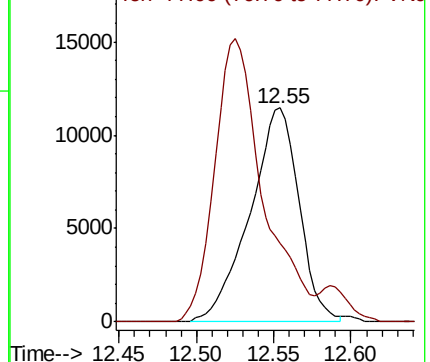
75 100

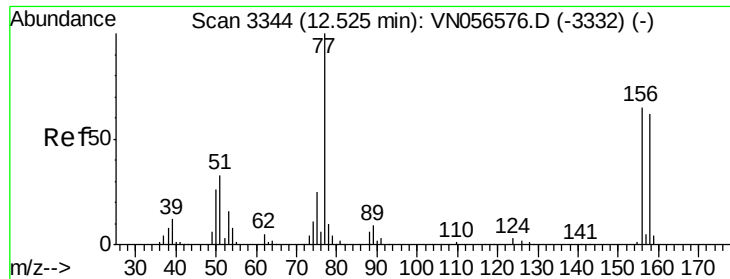
77 130.5 0.0 350.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 5.024 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

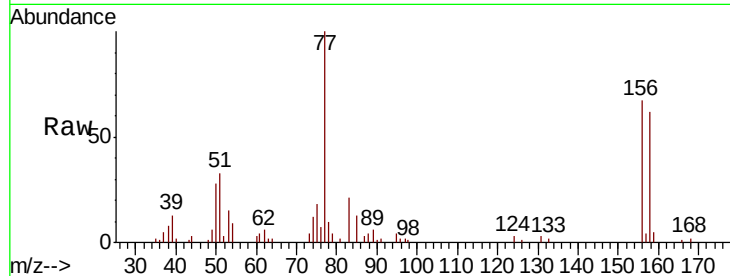
Tgt Ion:156 Resp: 16849

Ion Ratio Lower Upper

156 100

77 196.5 0.0 350.8

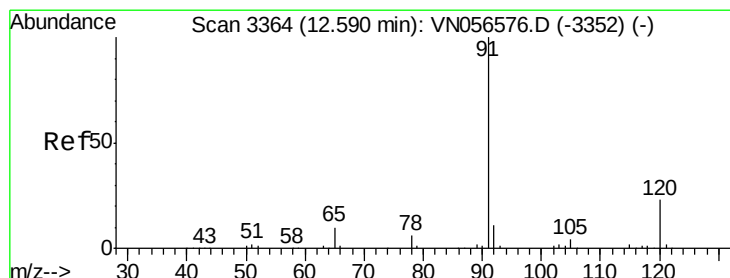
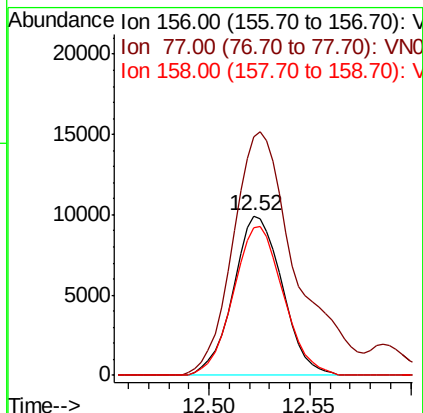
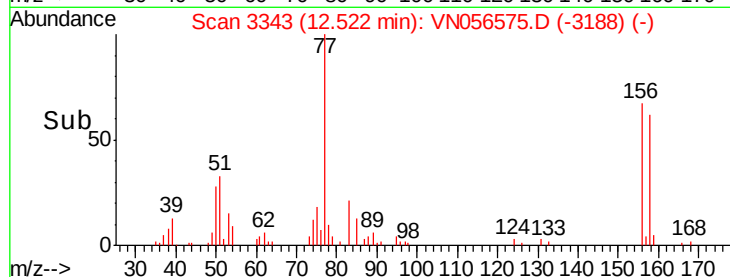
158 95.4 0.0 193.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 5.446 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056575.D

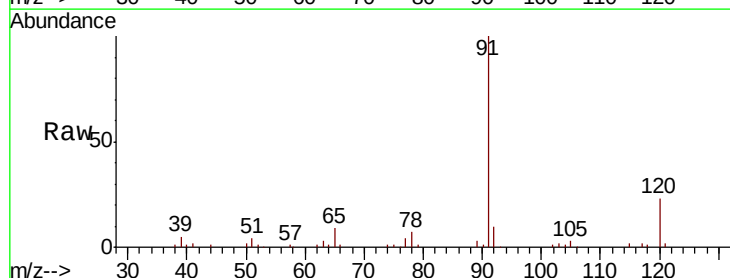
Acq: 3 Jul 2019 9:10

Tgt Ion: 91 Resp: 72614

Ion Ratio Lower Upper

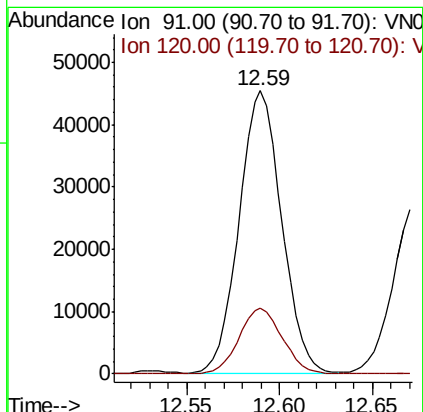
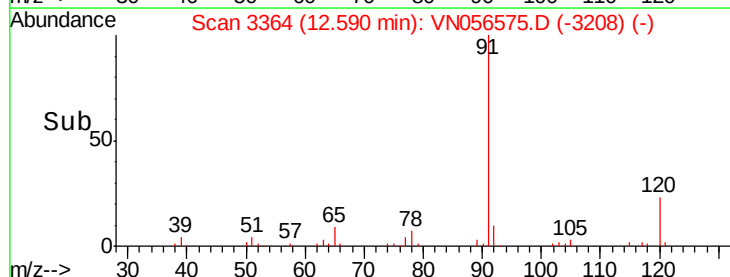
91 100

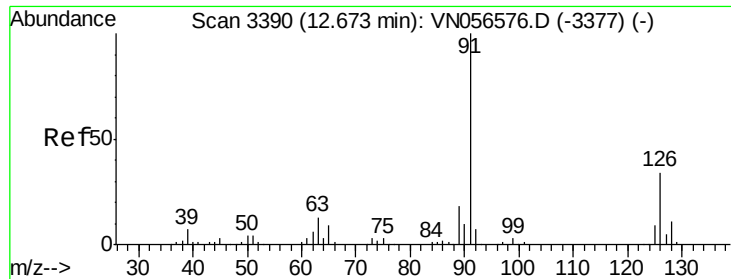
120 23.5 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 5.486 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

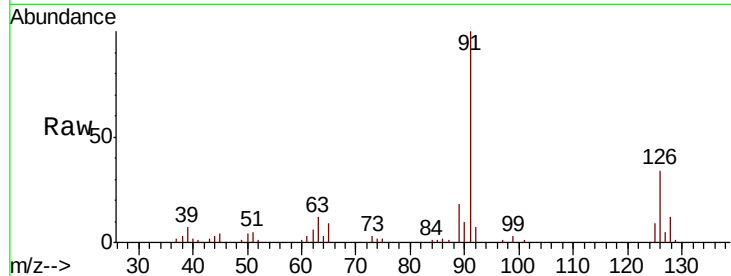
VSTDIC005

Tgt Ion: 91 Resp: 45371

Ion Ratio Lower Upper

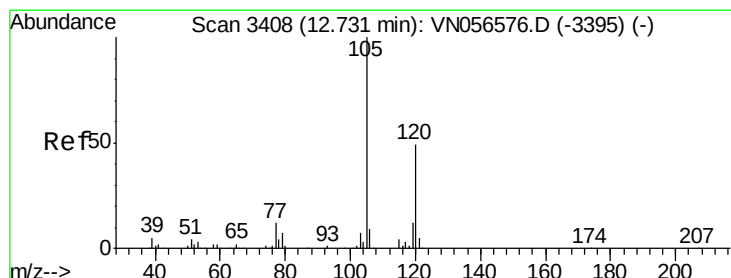
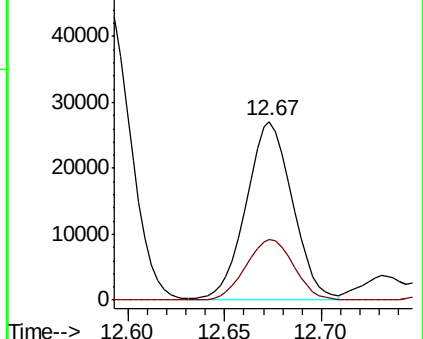
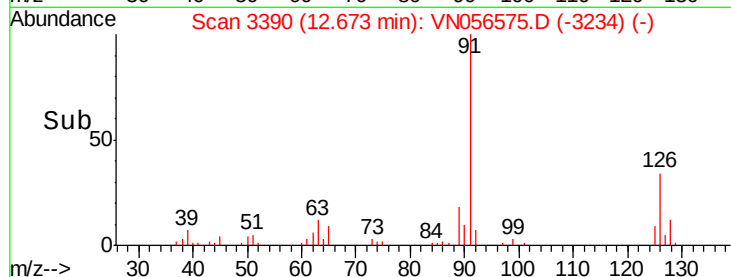
91 100

126 34.9 0.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VN056576.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056576.D (-3377) (-)



#76

1,3,5-Trimethylbenzene

Concen: 5.403 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056575.D

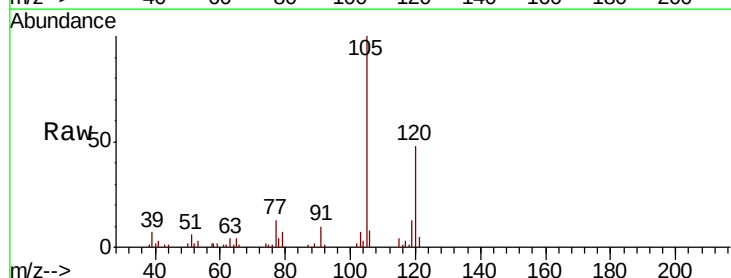
Acq: 3 Jul 2019 9:10

Tgt Ion: 105 Resp: 56157

Ion Ratio Lower Upper

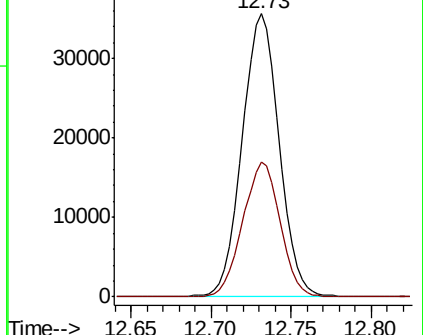
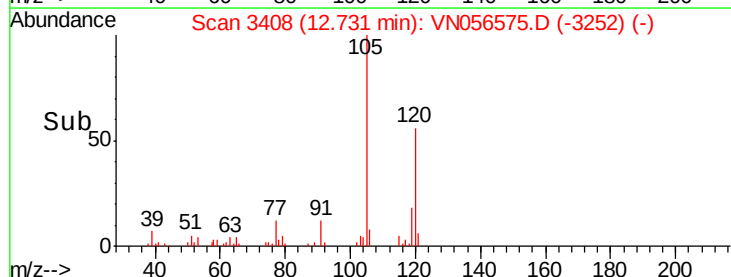
105 100

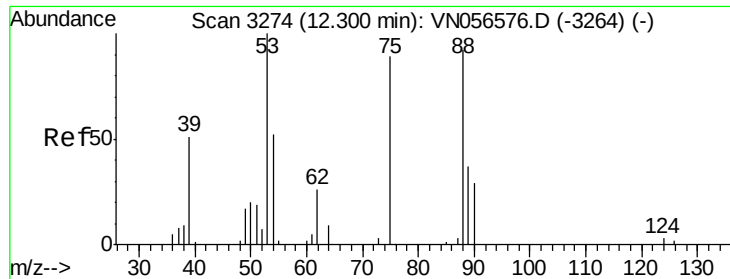
120 48.2 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056576.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN056576.D (-3395) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 4.652 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

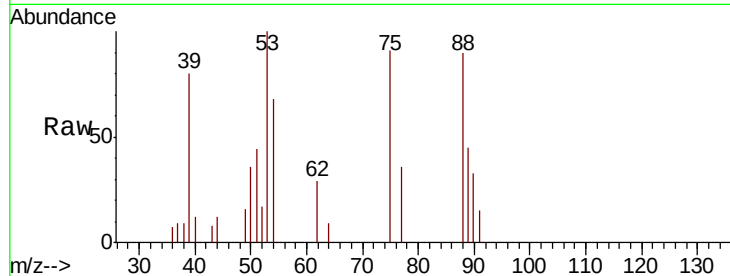
Tgt Ion: 75 Resp: 4377

Ion Ratio Lower Upper

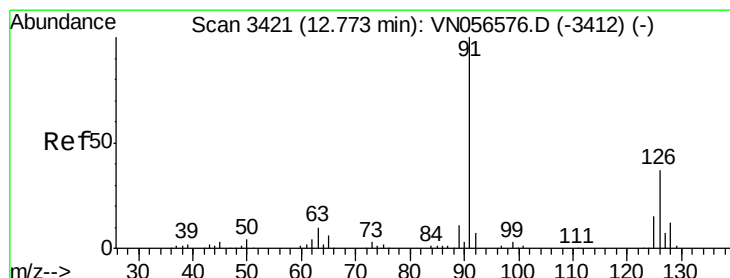
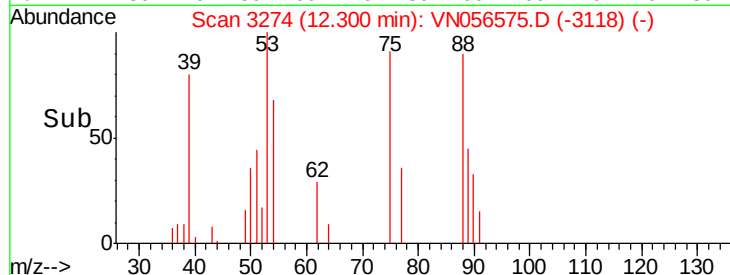
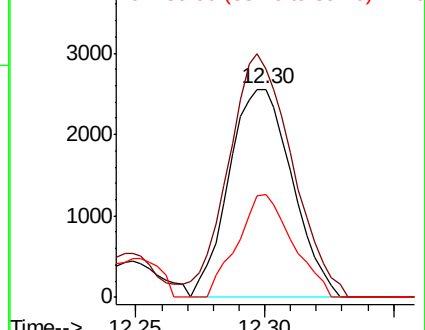
75 100

53 104.0 48.0 144.0

89 49.6 22.5 67.5



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 5.235 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056575.D

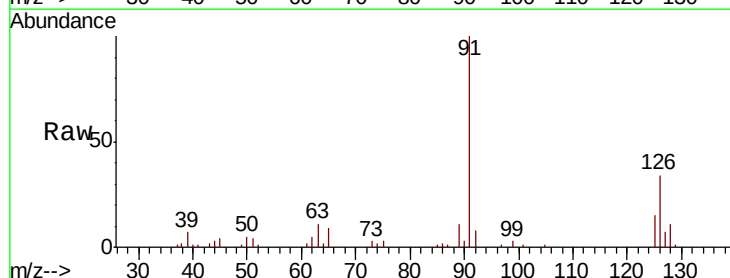
Acq: 3 Jul 2019 9:10

Tgt Ion: 91 Resp: 40437

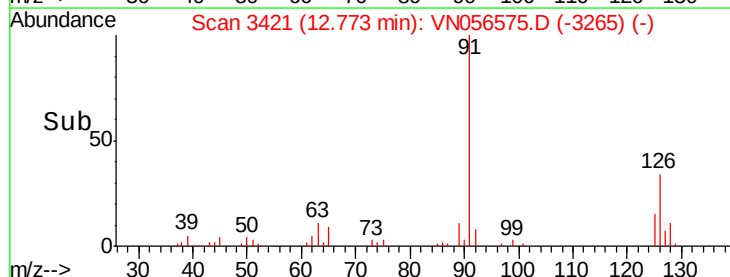
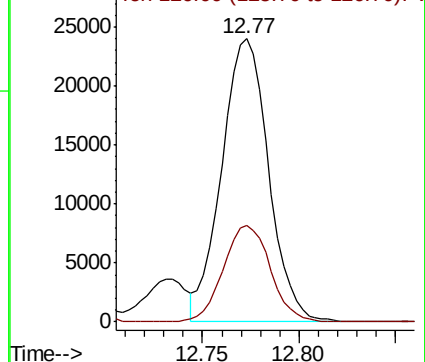
Ion Ratio Lower Upper

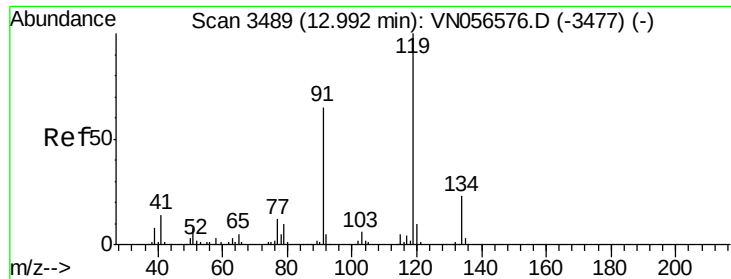
91 100

126 34.1 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V

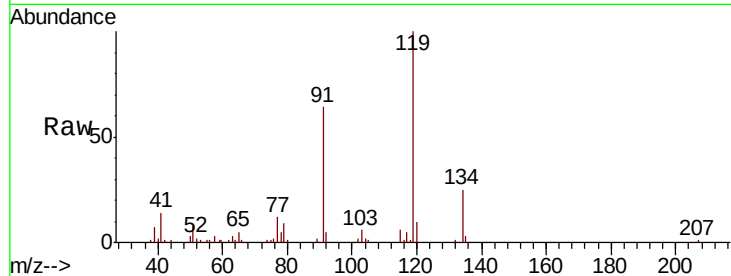




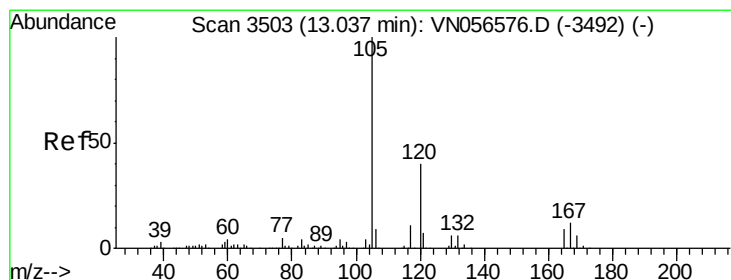
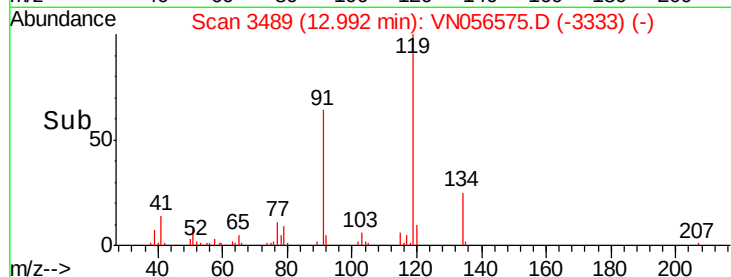
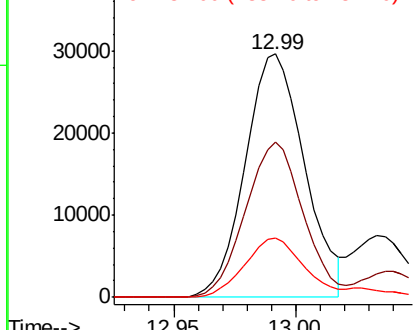
#79
tert-butylbenzene
Concen: 5.427 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:119 Resp: 49971
Ion Ratio Lower Upper
119 100
91 62.2 0.0 122.8
134 24.6 0.0 50.2

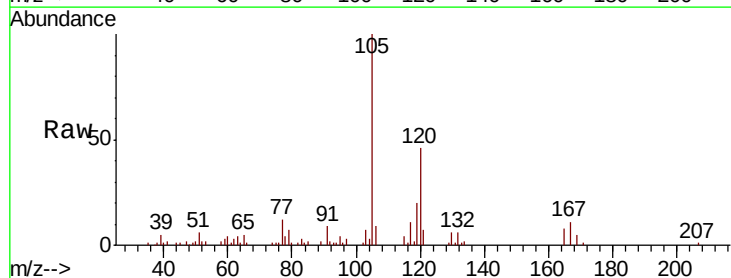


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

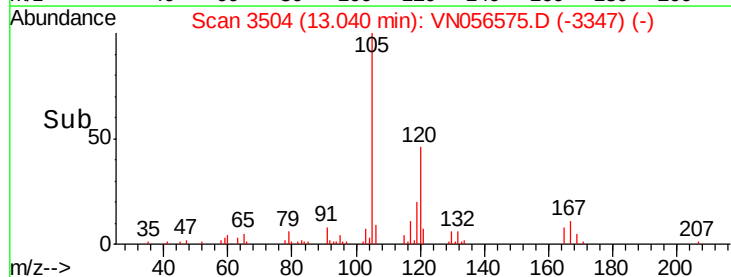
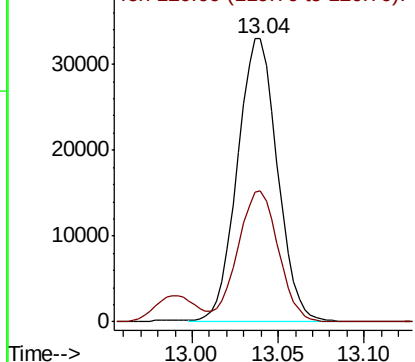


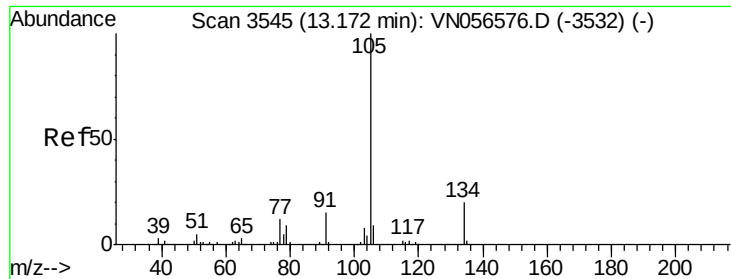
#80
1,2,4-Trimethylbenzene
Concen: 5.280 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion:105 Resp: 53381
Ion Ratio Lower Upper
105 100
120 47.1 0.0 93.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 5.402 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

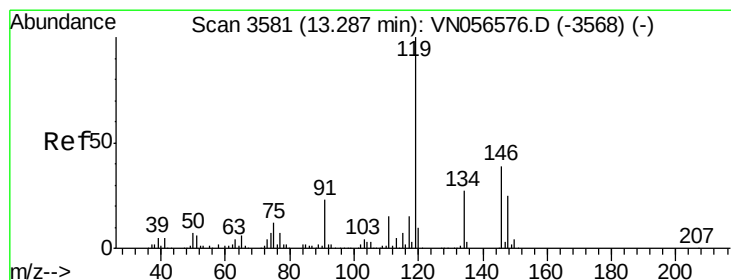
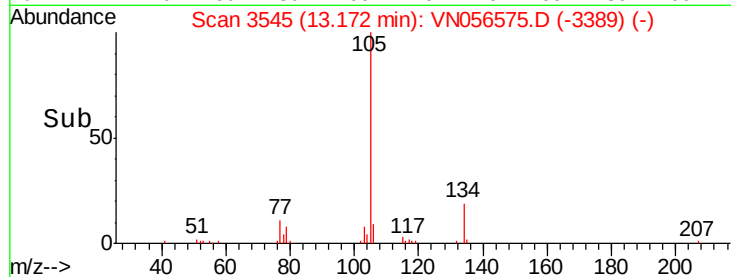
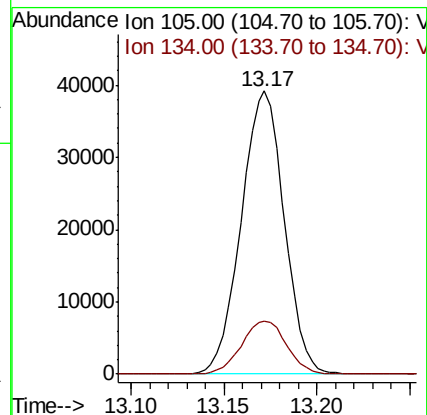
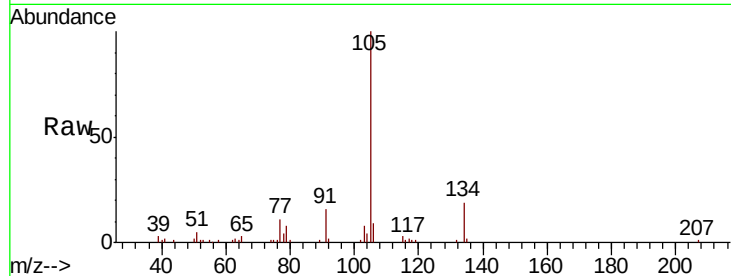
VSTDIC005

Tgt Ion:105 Resp: 62920

Ion Ratio Lower Upper

105 100

134 19.5 0.0 41.8



#82

p-Isopropyltoluene

Concen: 5.050 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

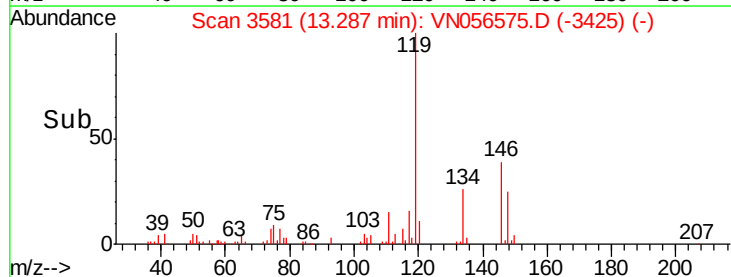
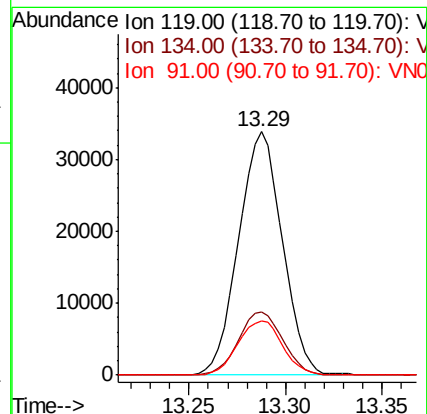
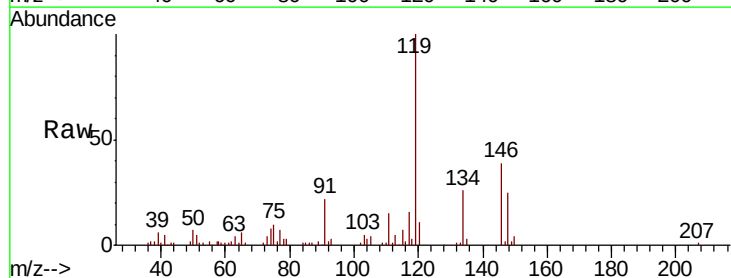
Tgt Ion:119 Resp: 53182

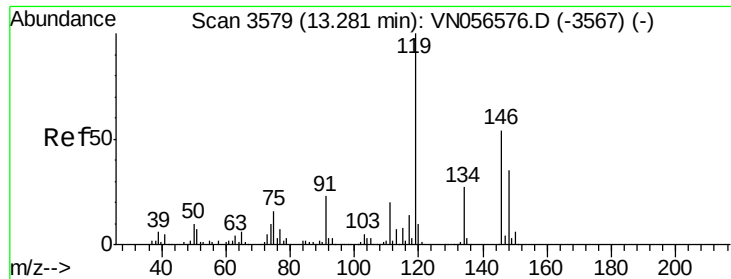
Ion Ratio Lower Upper

119 100

134 26.2 0.0 53.4

91 22.8 0.0 43.0

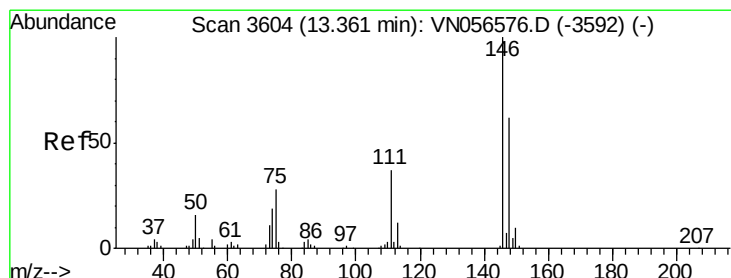
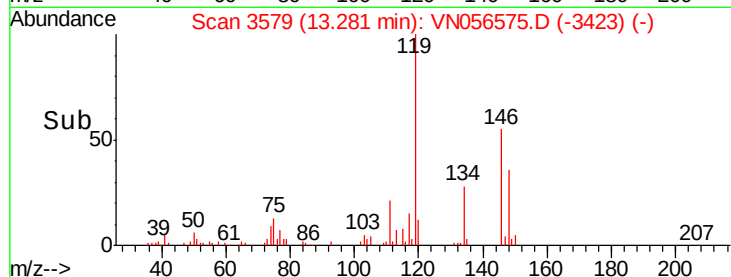
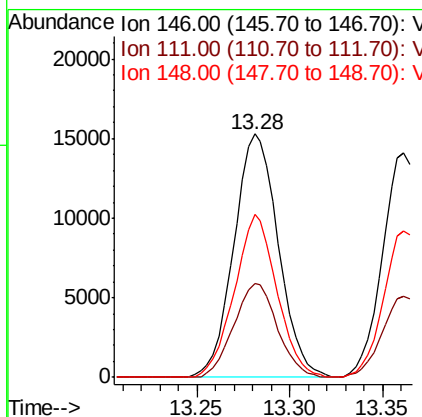
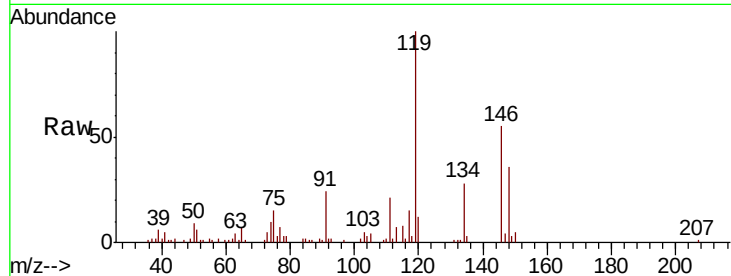




#83
 1,3-Dichlorobenzene
 Concen: 4.873 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

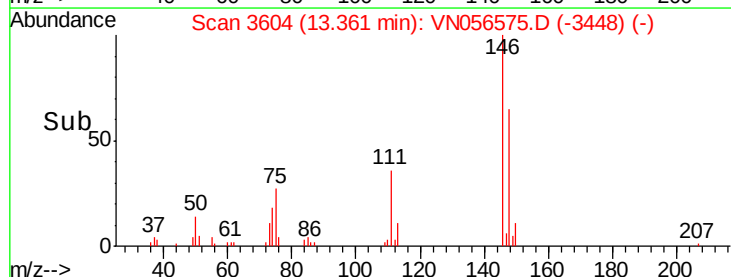
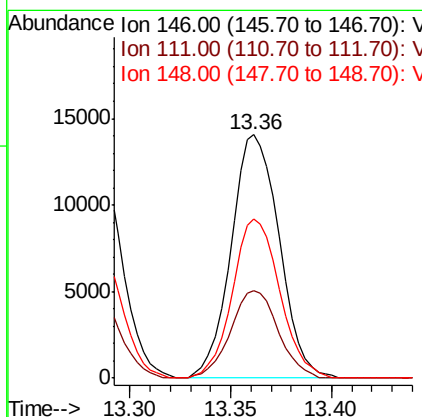
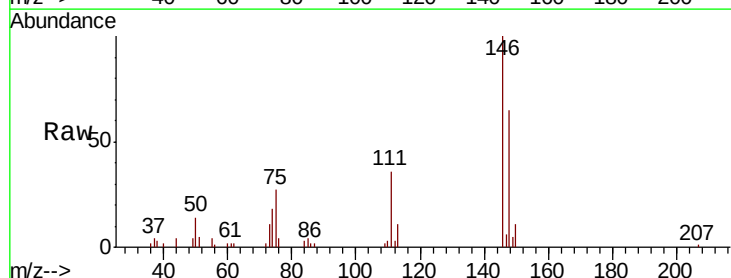
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

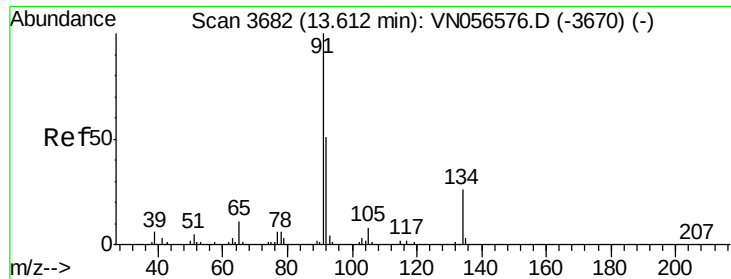
Tgt Ion:146 Resp: 25469
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.2 54.6
 148 63.7 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 4.719 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion:146 Resp: 23493
 Ion Ratio Lower Upper
 146 100
 111 35.5 17.6 52.9
 148 64.5 32.1 96.3





#85

n-Butylbenzene

Concen: 5.183 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

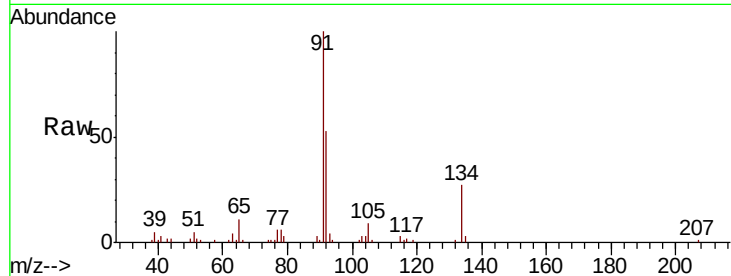
Tgt Ion: 91 Resp: 40736

Ion Ratio Lower Upper

91 100

92 50.7 0.0 107.2

134 26.2 0.0 55.8

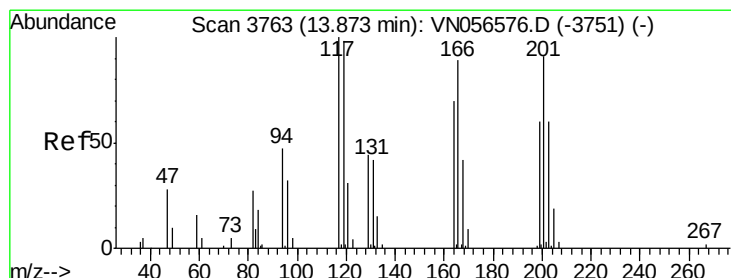
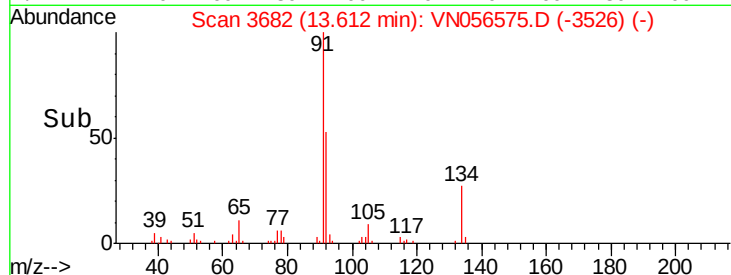


Abundance Ion 91.00 (90.70 to 91.70): VN056575.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN056575.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN056575.D (-3670) (-)

Time-->



#86

Hexachloroethane

Concen: 4.560 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056575.D

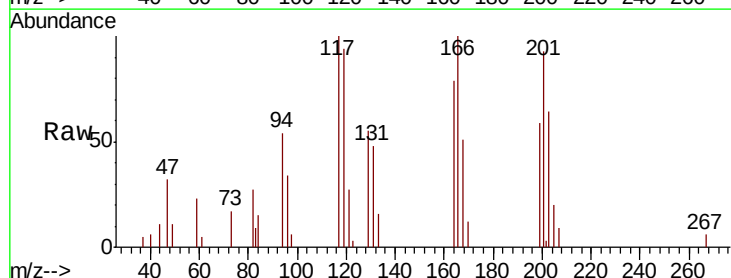
Acq: 3 Jul 2019 9:10

Tgt Ion: 117 Resp: 7487

Ion Ratio Lower Upper

117 100

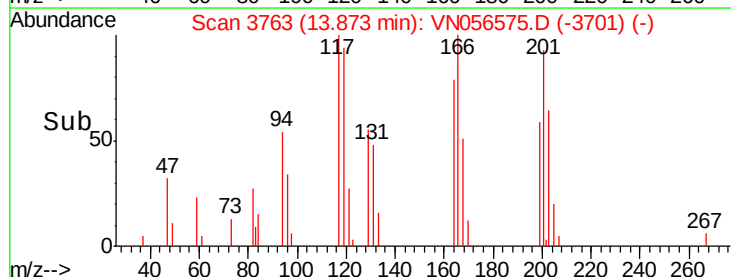
201 91.3 48.1 144.4

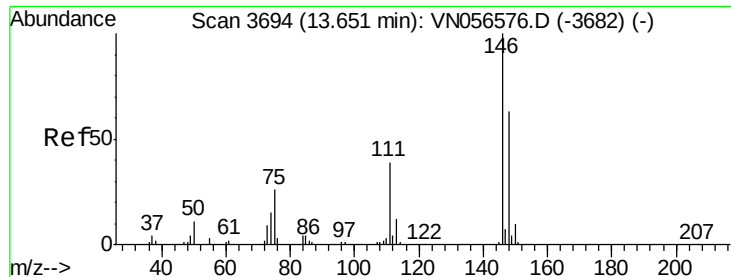


Abundance Ion 117.00 (116.70 to 117.70): VN056575.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056575.D (-3751) (-)

Time-->

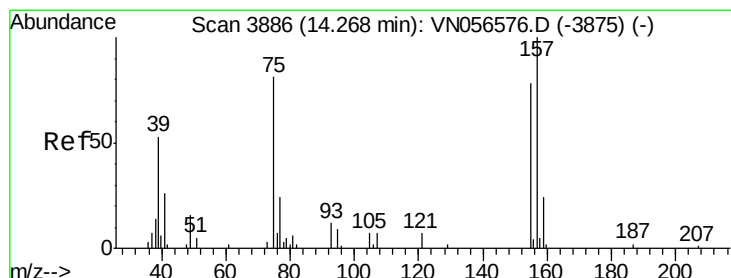
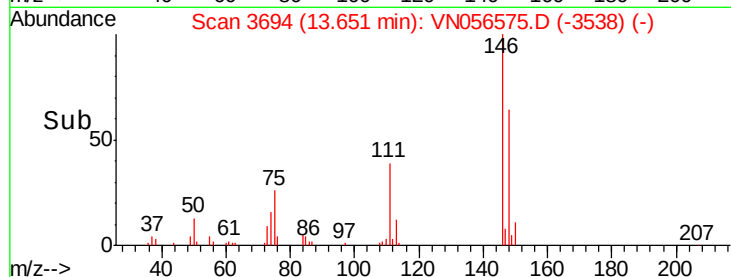
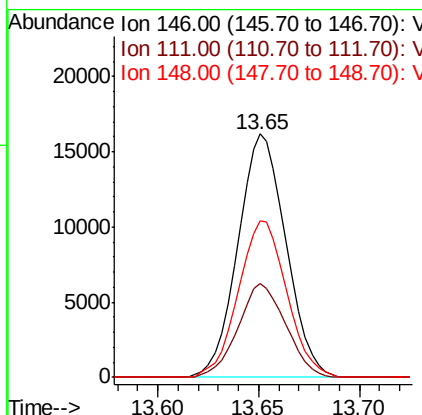
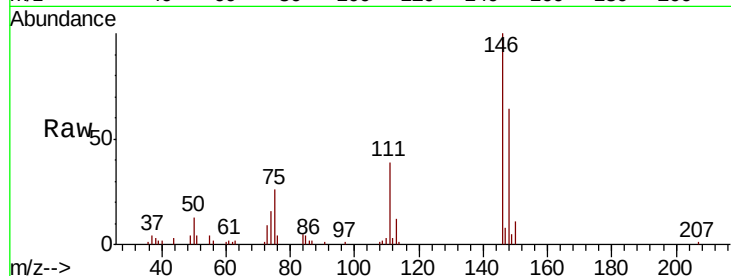




#87
 1,2-Dichlorobenzene
 Concen: 5.078 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

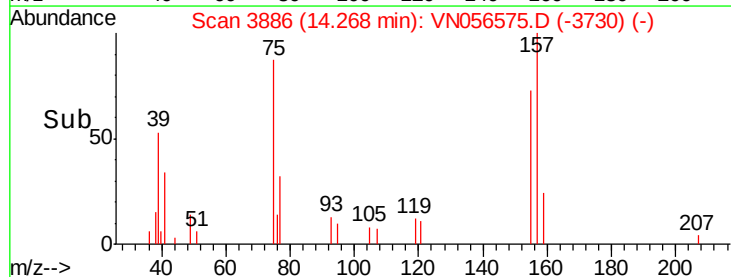
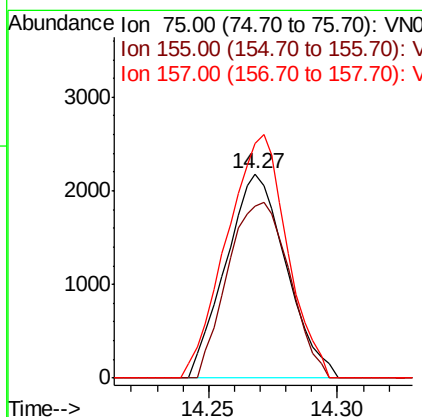
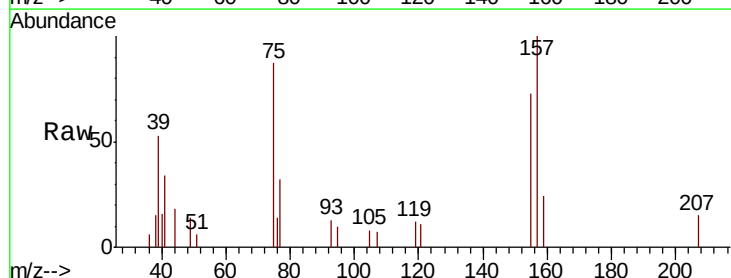
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

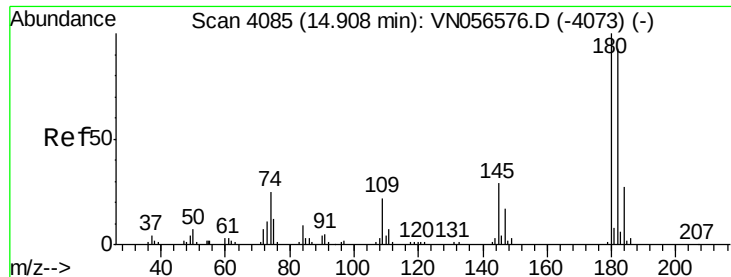
Tgt Ion: 146 Resp: 26977
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.3 57.9
 148 64.7 32.6 97.8



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 5.965 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion: 75 Resp: 3567
 Ion Ratio Lower Upper
 75 100
 155 88.0 82.5 123.7
 157 119.2 105.1 157.7

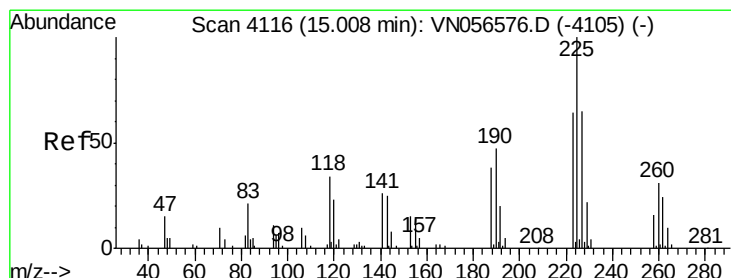
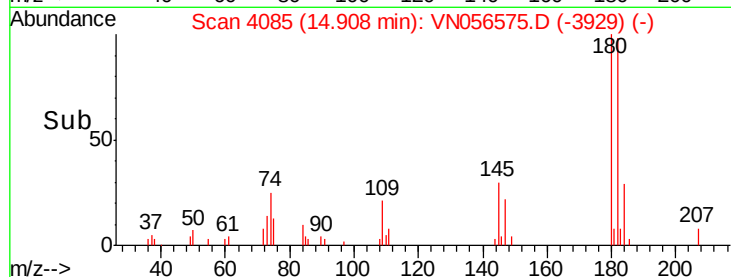
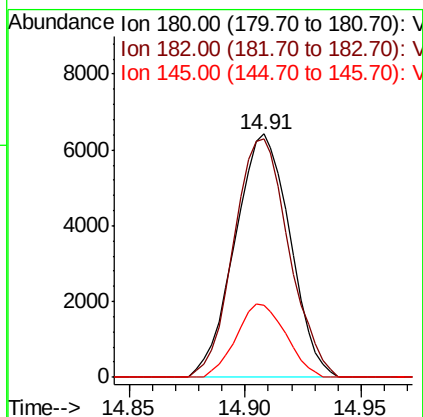
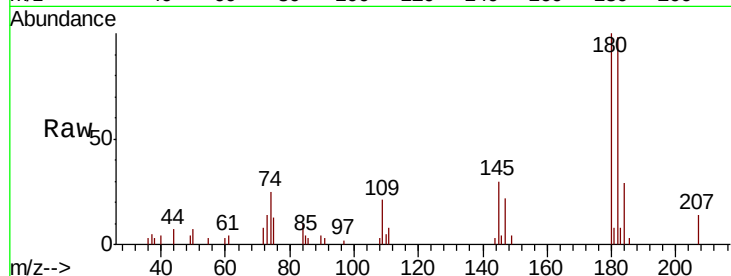




#89
 1,2,4-Trichlorobenzene
 Concen: 4.077 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

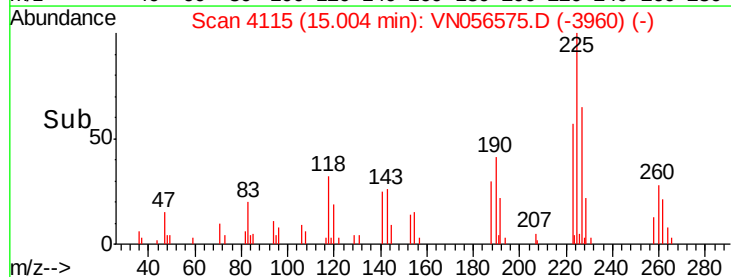
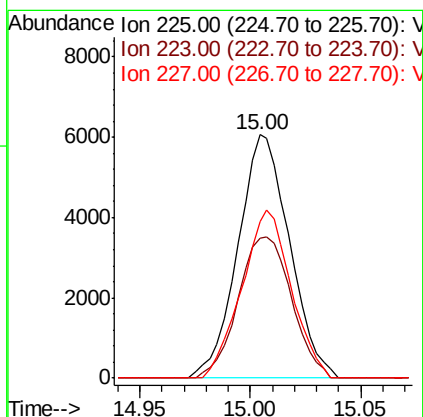
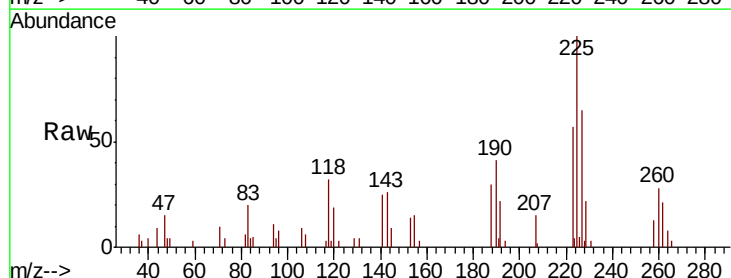
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

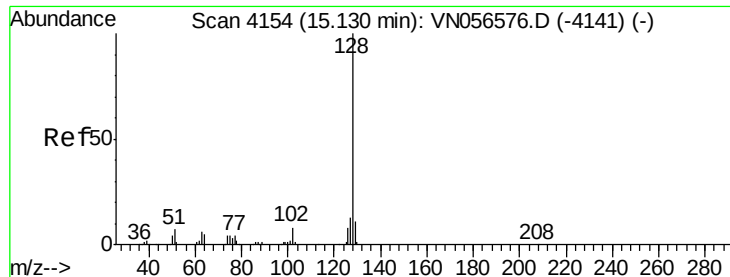
Tgt Ion:180 Resp: 10564
 Ion Ratio Lower Upper
 180 100
 182 98.2 75.0 112.6
 145 27.2 22.1 33.1



#90
 Hexachlorobutadiene
 Concen: 5.085 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion:225 Resp: 9862
 Ion Ratio Lower Upper
 225 100
 223 60.1 0.0 125.6
 227 66.0 0.0 128.6

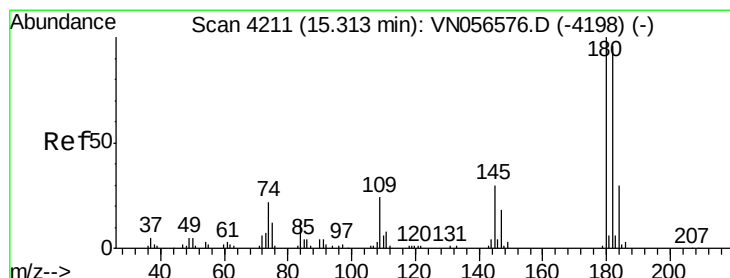
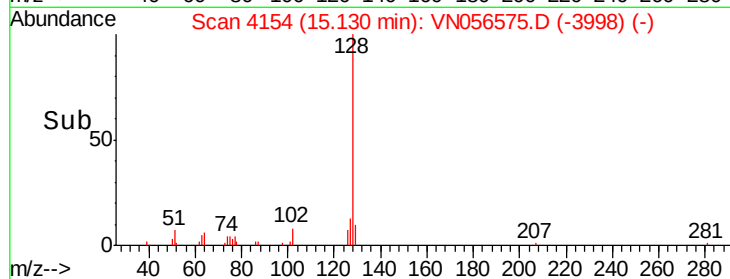
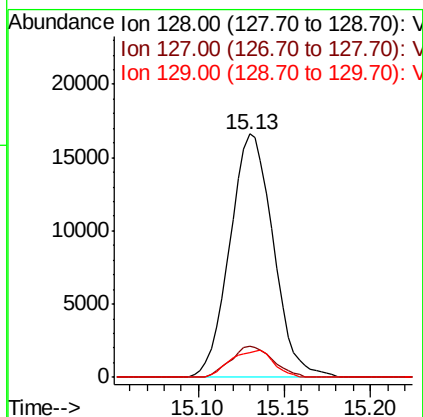
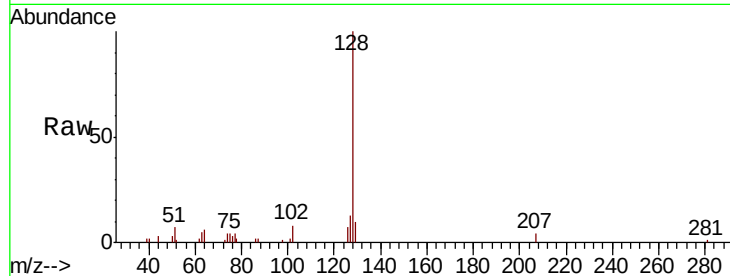




#91
Naphthalene
Concen: 4.130 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 29140
Ion Ratio Lower Upper
128 100
127 12.2 10.4 15.6
129 10.9 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 4.495 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion:180 Resp: 12499
Ion Ratio Lower Upper
180 100
182 97.0 0.0 193.4
145 30.0 0.0 59.8

