

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042719\
 Data File : VN055276.D
 Acq On : 26 Apr 2019 15:16
 Operator : JC/SP
 Sample : VN0427WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBSD01

Quant Time: Apr 27 02:01:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	385643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	635318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	531611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	193013	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	281378	53.91	ug/l	0.00
Spiked Amount			Recovery	=	107.82%	
35) Dibromofluoromethane	7.59	113	217099	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
50) Toluene-d8	10.09	98	789101	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.40	95	242864	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	105693	21.286	ug/l	100
3) Chloromethane	2.06	50	123865	20.358	ug/l	98
4) Vinyl Chloride	2.19	62	99601	20.430	ug/l	96
5) Bromomethane	2.56	94	52682	18.633	ug/l	97
6) Chloroethane	2.70	64	52262	20.339	ug/l	95
7) Trichlorofluoromethane	3.02	101	134738	20.309	ug/l	99
8) Diethyl Ether	3.41	74	52995	22.379	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	83186	20.093	ug/l	98
10) Methyl Iodide	3.95	142	119867	20.647	ug/l	99
11) Tert butyl alcohol	4.79	59	36962	121.291	ug/l #	82
12) 1,1-Dichloroethene	3.74	96	81477	20.536	ug/l	98
13) Acrolein	3.61	56	46464	107.353	ug/l	99
14) Allyl chloride	4.33	41	167336	21.334	ug/l	99
15) Acrylonitrile	4.99	53	197361	118.091	ug/l	99
16) Acetone	3.82	43	152501	88.378	ug/l	99
17) Carbon Disulfide	4.06	76	214760	19.362	ug/l	100
18) Methyl Acetate	4.33	43	91139	23.993	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	246707	22.490	ug/l	99
20) Methylene Chloride	4.55	84	99728	20.104	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	86772	20.856	ug/l	98
22) Diisopropyl ether	5.96	45	341590	21.848	ug/l	97
23) Vinyl Acetate	5.90	43	1204806	114.674	ug/l	99
24) 1,1-Dichloroethane	5.85	63	178588	21.236	ug/l	99
25) 2-Butanone	6.84	43	234227	105.140	ug/l	97
26) 2,2-Dichloropropane	6.83	77	109343	19.214	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	99270	20.698	ug/l	97
28) Bromochloromethane	7.20	49	87955	20.518	ug/l	97
29) Tetrahydrofuran	7.21	42	167911	122.587	ug/l	96
30) Chloroform	7.37	83	169219	21.154	ug/l	99
31) Cyclohexane	7.65	56	164310	20.091	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	137164	21.343	ug/l	99
36) 1,1-Dichloropropene	7.80	75	119211	20.216	ug/l	97
37) Ethyl Acetate	6.93	43	105223	22.111	ug/l	98
38) Carbon Tetrachloride	7.78	117	114908	20.809	ug/l	99

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 ClientSampleId :
 VN0427WBSD01

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	124764	17.735	ug/l	98
40) Benzene	8.04	78	374125	20.553	ug/l	99
41) Methacrylonitrile	7.21	41	157511	63.132	ug/l #	24
42) 1,2-Dichloroethane	8.13	62	133407	21.008	ug/l	99
43) Isopropyl Acetate	8.17	43	176461	22.899	ug/l	99
44) Trichloroethene	8.84	130	92265	20.054	ug/l	96
45) 1,2-Dichloropropane	9.12	63	106563	20.739	ug/l	97
46) Dibromomethane	9.21	93	60452	20.552	ug/l	99
47) Bromodichloromethane	9.40	83	124908	21.213	ug/l	97
48) Methyl methacrylate	9.20	41	84497	22.604	ug/l	97
49) 1,4-Dioxane	9.20	88	19276	446.531	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	503727	113.596	ug/l	100
52) Toluene	10.16	92	219480	20.568	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	111652	20.662	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	138636	20.674	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	84207	21.404	ug/l	97
56) Ethyl methacrylate	10.43	69	107734	21.982	ug/l	99
57) 1,3-Dichloropropane	10.71	76	146892	21.460	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	136307	80.204	ug/l	97
59) 2-Hexanone	10.75	43	310282	110.777	ug/l	99
60) Dibromochloromethane	10.90	129	86572	21.364	ug/l	97
61) 1,2-Dibromoethane	11.01	107	78461	21.212	ug/l	99
64) Tetrachloroethene	10.63	164	89499	20.637	ug/l	97
65) Chlorobenzene	11.43	112	219974	20.273	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	82710	20.566	ug/l	100
67) Ethyl Benzene	11.51	91	397319	20.556	ug/l	98
68) m/p-Xylenes	11.62	106	280258	40.427	ug/l	99
69) o-Xylene	11.95	106	140744	20.458	ug/l	99
70) Styrene	11.96	104	225216	21.119	ug/l	99
71) Bromoform	12.13	173	51064	21.278	ug/l #	99
73) Isopropylbenzene	12.25	105	367375	22.445	ug/l	99
74) N-amyl acetate	12.07	43	111659	22.438	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	104212	25.346	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	115728	29.555	ug/l #	100
77) Bromobenzene	12.53	156	88008	20.654	ug/l	97
78) n-propylbenzene	12.59	91	390364	20.167	ug/l	99
79) 2-Chlorotoluene	12.67	91	249540	20.416	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	297212	20.570	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22154	21.447	ug/l	98
82) 4-Chlorotoluene	12.77	91	225883	20.086	ug/l	99
83) tert-Butylbenzene	12.99	119	254426	22.212	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	273407	20.052	ug/l	99
85) sec-Butylbenzene	13.17	105	316777	19.379	ug/l	98
86) p-Isopropyltoluene	13.29	119	259539	19.272	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	133219	20.366	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	124302	19.519	ug/l	98
89) n-Butylbenzene	13.62	91	176231	17.655	ug/l	99
90) Hexachloroethane	13.87	117	44581	18.665	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	133210	19.827	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12348	21.068	ug/l	93

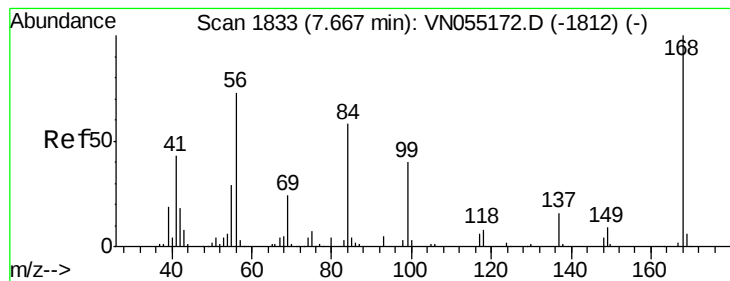
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042719\
Data File : VN055276.D
Acq On : 26 Apr 2019 15:16
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Sample : VN0427WBSD01
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VN0427WBSD01

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Quant Title : SW846 8260
QLast Update : Tue Apr 23 05:52:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	37962	15.380	ug/l	96
94) Hexachlorobutadiene	15.01	225	40786	19.437	ug/l	98
95) Naphthalene	15.13	128	90540	16.993	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	42902	16.696	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

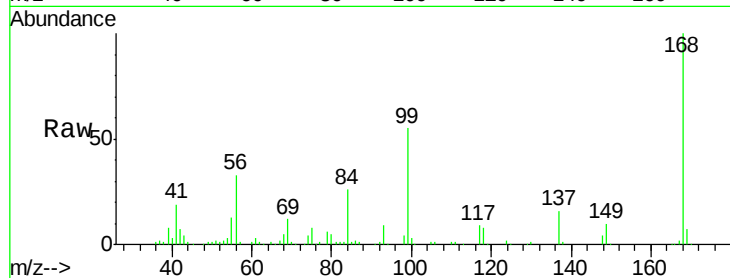
VN0427WBSD01

Tot Ion:168 Resp: 385643

Ion Ratio Lower Upper

168 100

99 54.2 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

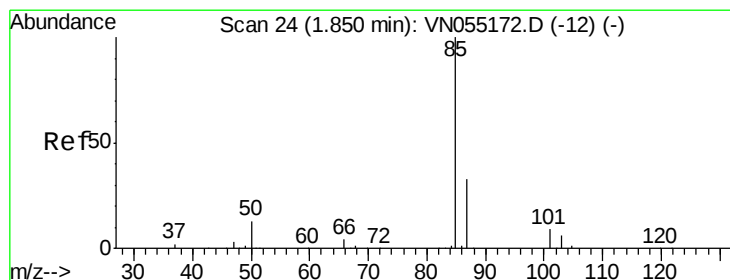
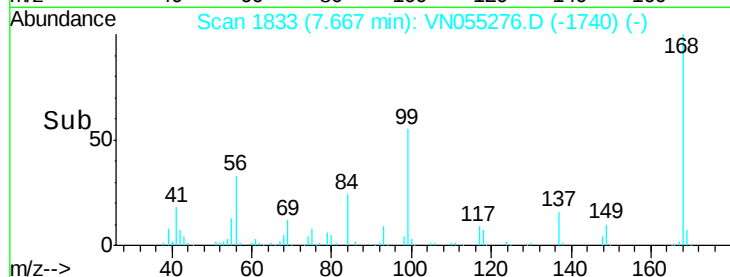
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.286 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055276.D

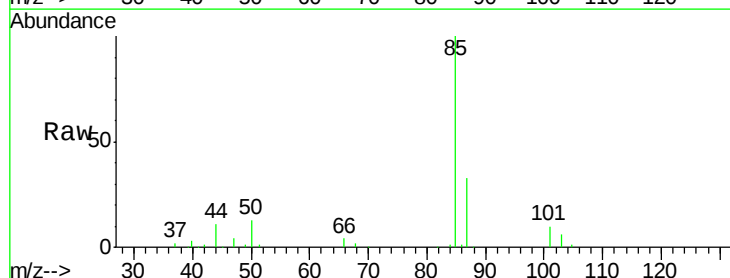
Acq: 26 Apr 2019 15:16

Tgt Ion: 85 Resp: 105693

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

80000

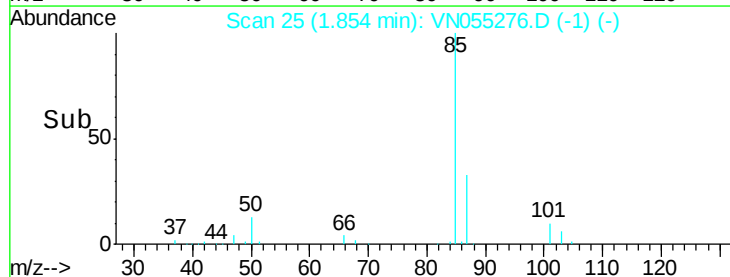
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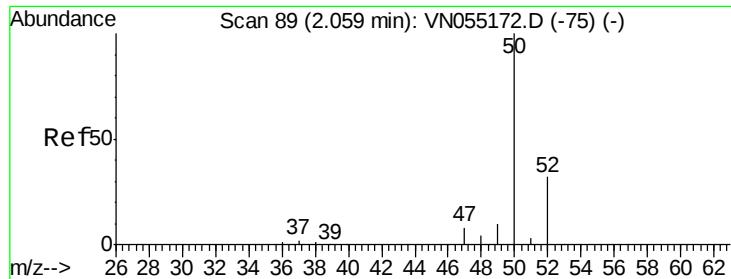
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20000

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Time-->





#3

Chloromethane

Concen: 20.358 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

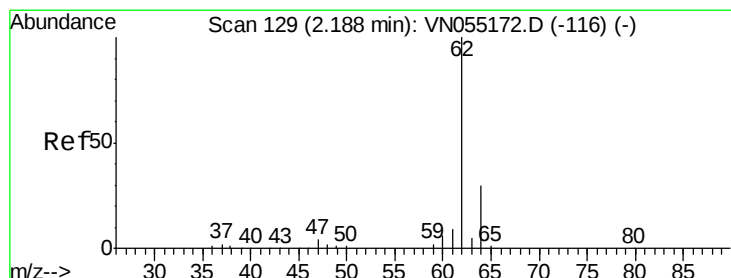
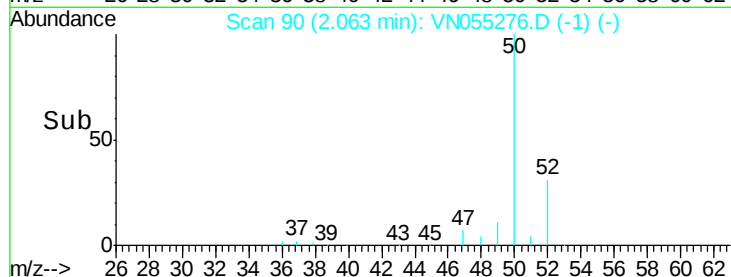
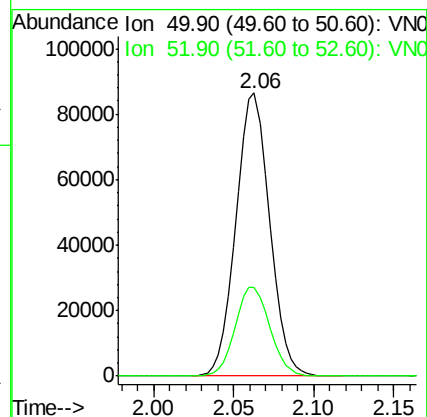
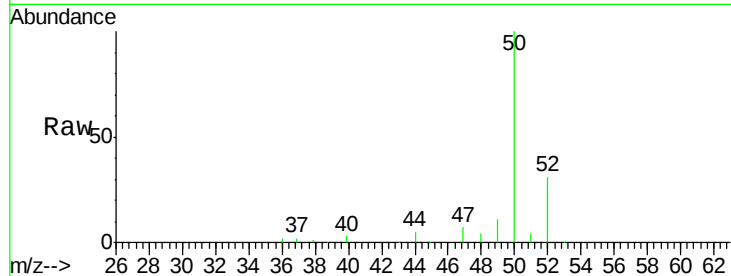
VN0427WBSD01

Tot Ion: 50 Resp: 123865

Ion Ratio Lower Upper

50 100

52 31.2 25.8 38.6



#4

Vinyl Chloride

Concen: 20.430 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055276.D

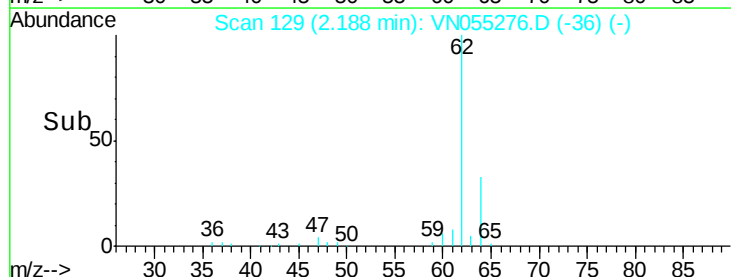
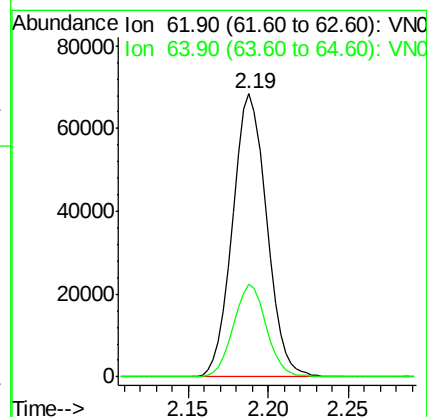
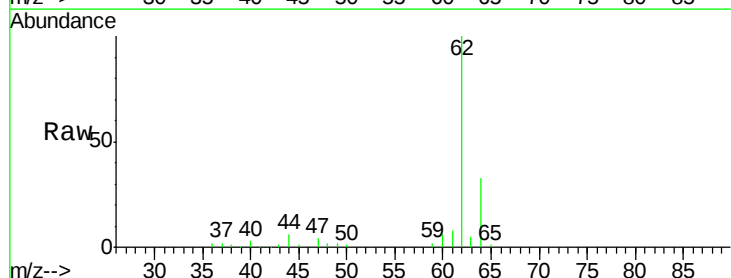
Acq: 26 Apr 2019 15:16

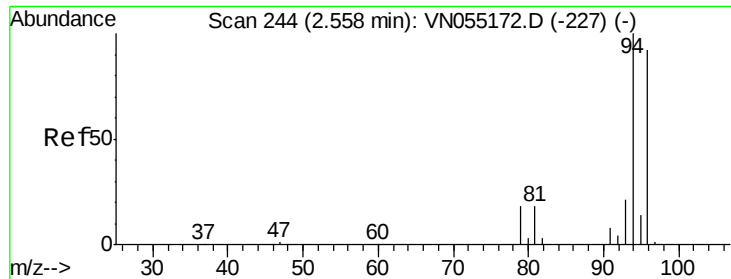
Tgt Ion: 62 Resp: 99601

Ion Ratio Lower Upper

62 100

64 32.6 24.2 36.4





#5

Bromomethane

Concen: 18.633 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

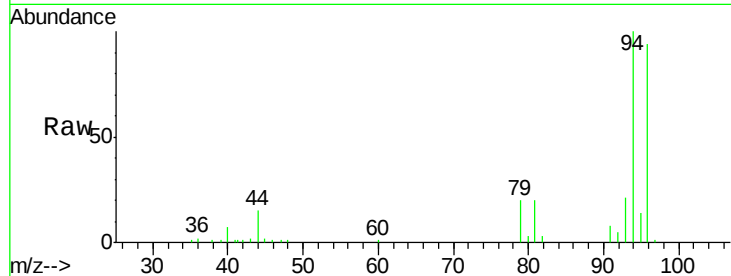
VN0427WBSD01

Tot Ion: 94 Resp: 52682

Ion Ratio Lower Upper

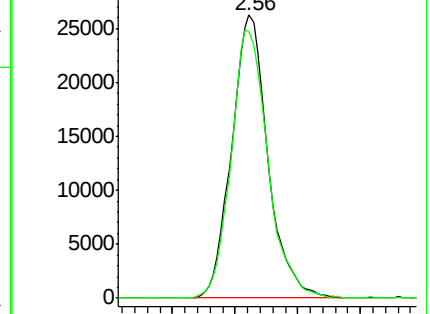
94 100

96 94.4 73.4 110.2

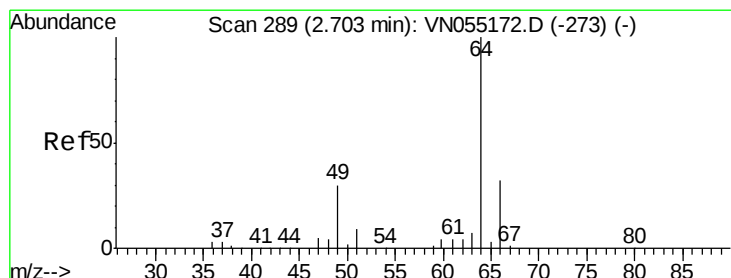
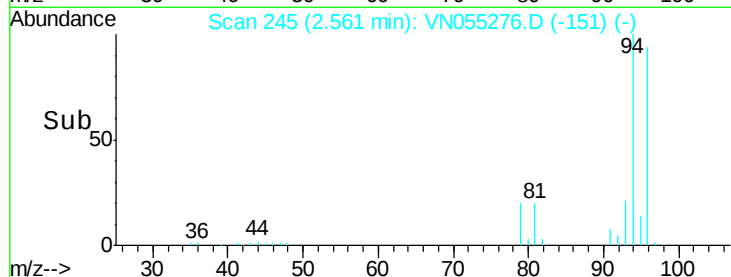


Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



Time-->



#6

Chloroethane

Concen: 20.339 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055276.D

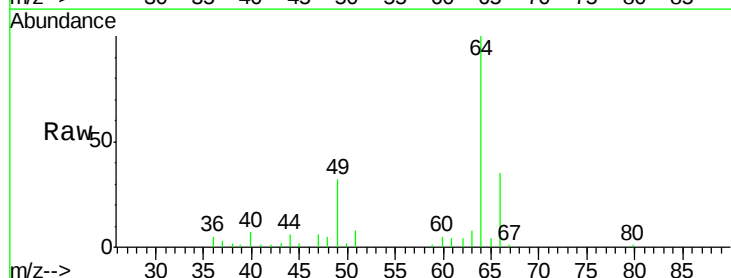
Acq: 26 Apr 2019 15:16

Tgt Ion: 64 Resp: 52262

Ion Ratio Lower Upper

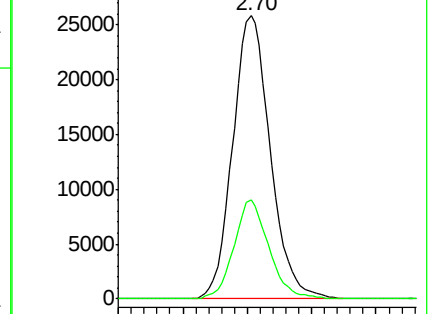
64 100

66 35.0 25.9 38.9

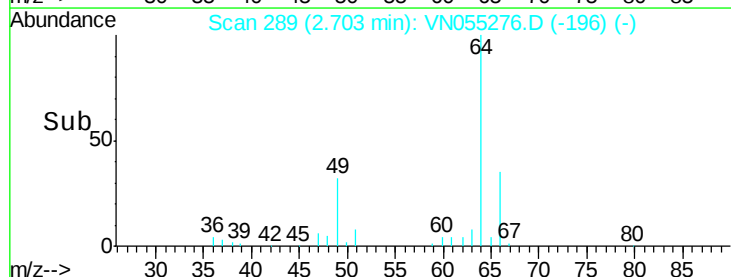


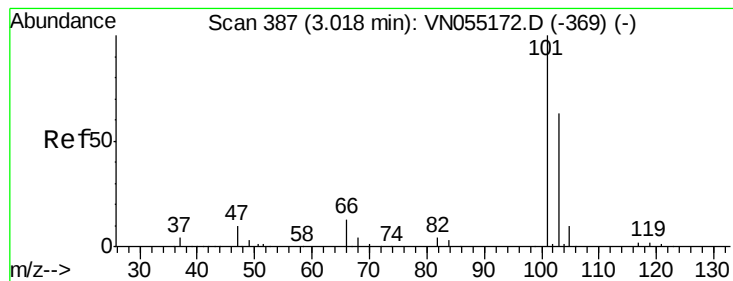
Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



Time-->



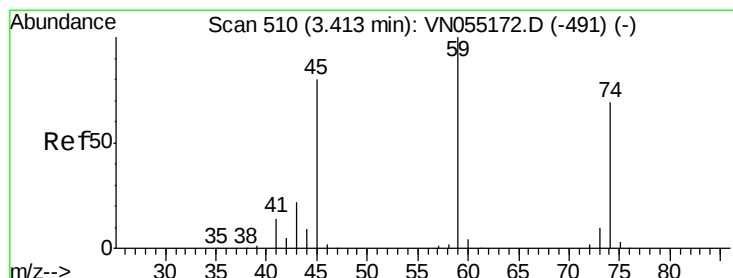
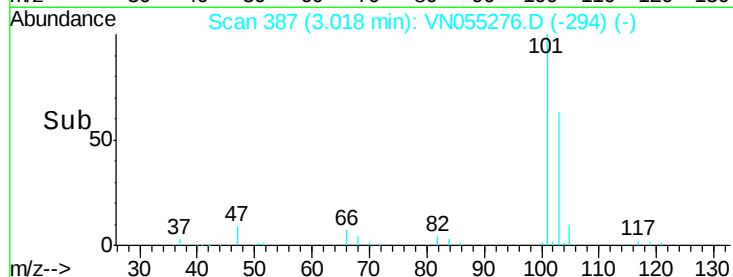
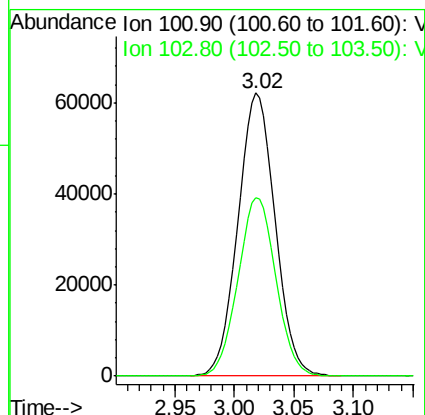
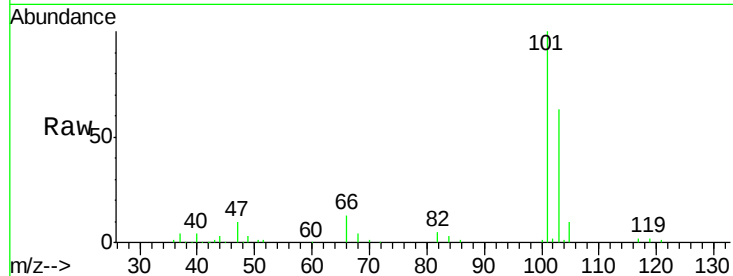


#7

Trichlorofluoromethane
 Concen: 20.309 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Instrument :
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 VN0427WBSD01

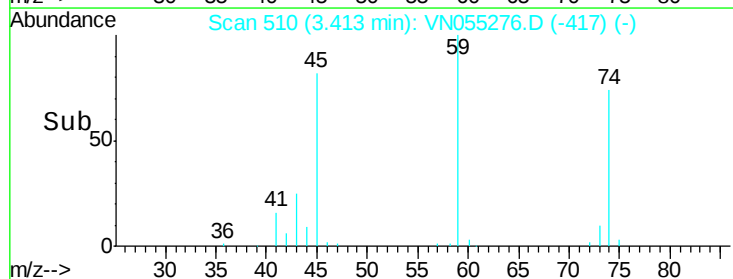
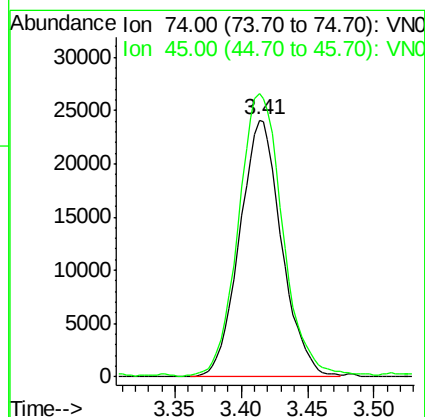
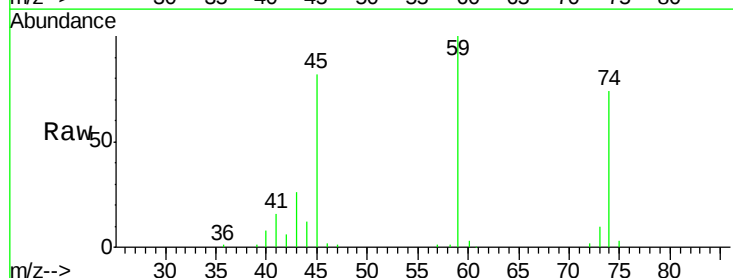
Tot Ion:101 Resp: 134738
 Ion Ratio Lower Upper
 101 100
 103 63.2 50.1 75.1

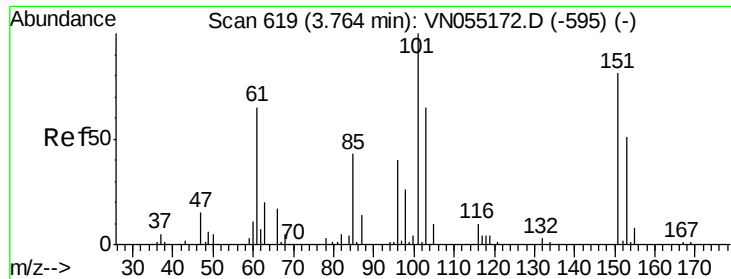


#8

Diethyl Ether
 Concen: 22.379 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Tgt Ion: 74 Resp: 52995
 Ion Ratio Lower Upper
 74 100
 45 117.5 56.9 170.6

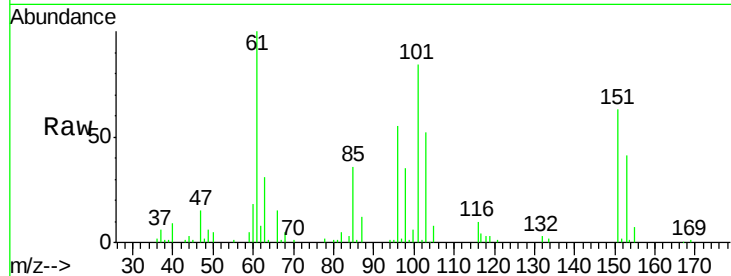




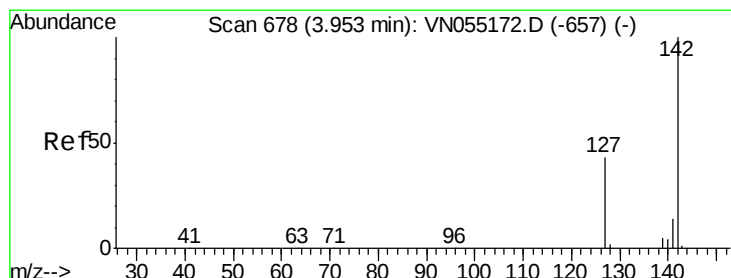
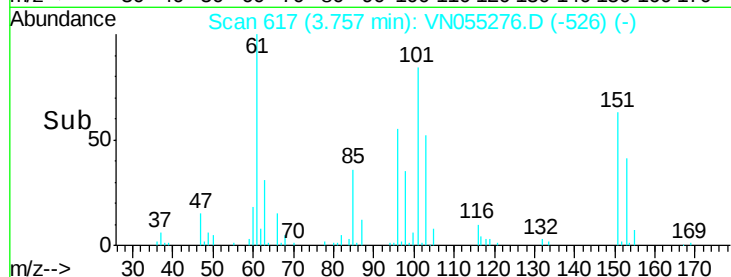
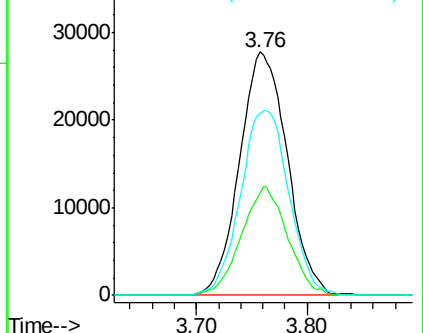
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.093 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0427WBSD01

Tot Ion:101 Resp: 83186
 Ion Ratio Lower Upper
 101 100
 85 43.2 34.9 52.3
 151 77.4 63.8 95.8

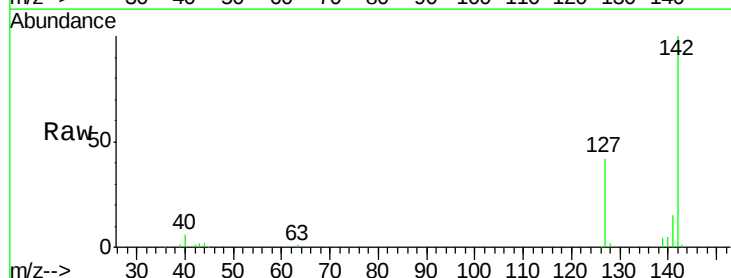


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

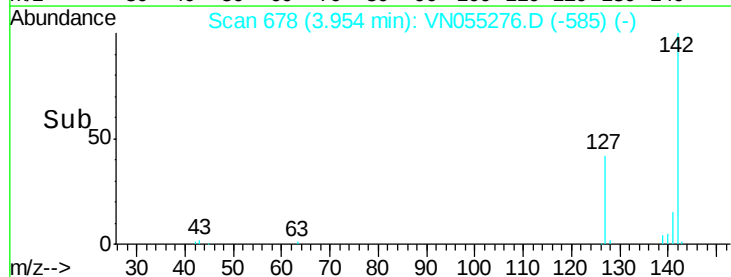
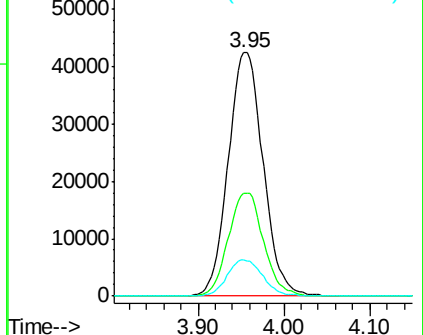


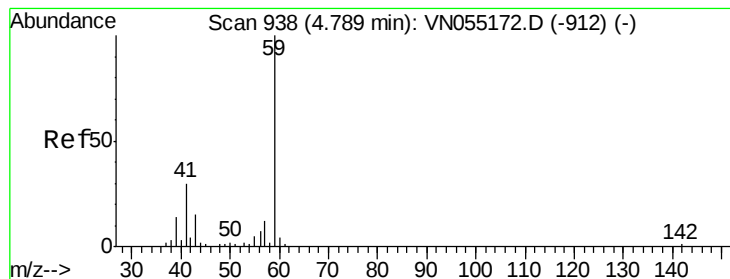
#10
 Methyl Iodide
 Concen: 20.647 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Tgt Ion:142 Resp: 119867
 Ion Ratio Lower Upper
 142 100
 127 42.7 34.1 51.1
 141 15.1 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



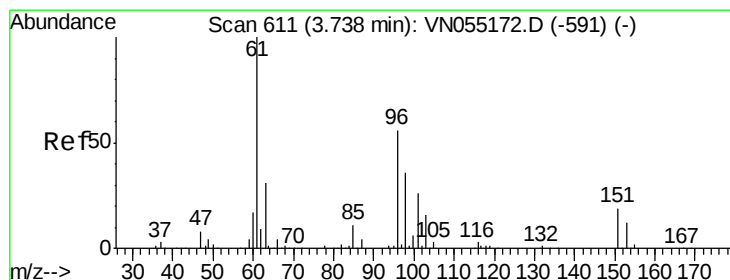
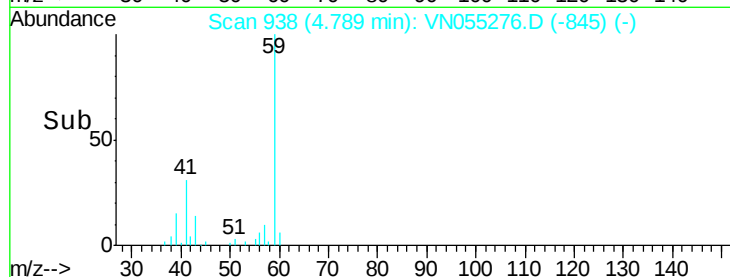
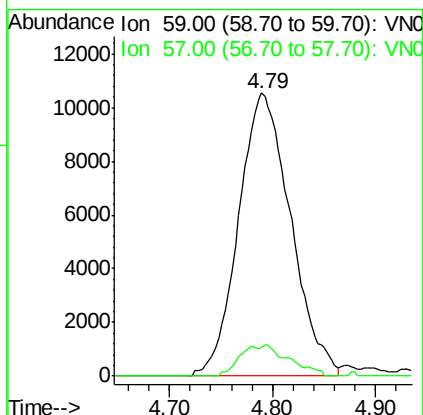
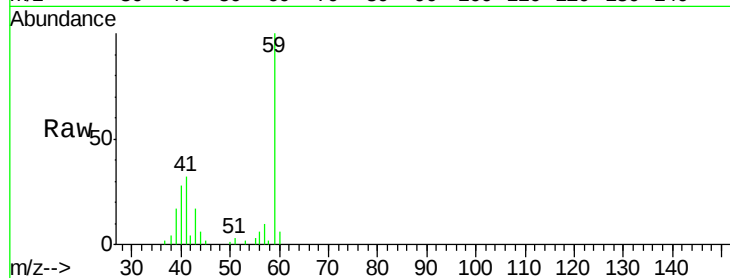


#11

Tert butyl alcohol
 Concen: 121.291 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBSD01

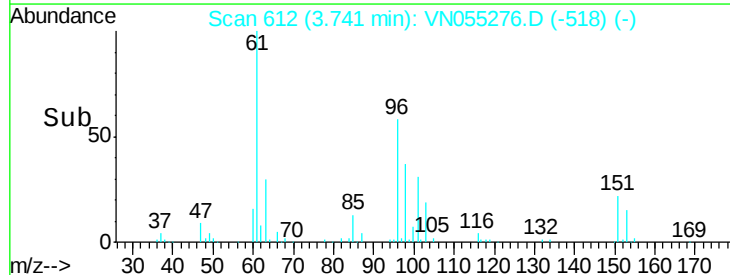
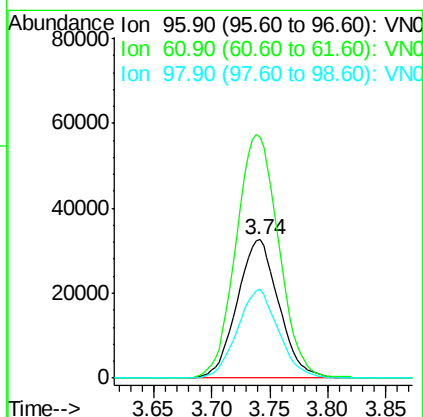
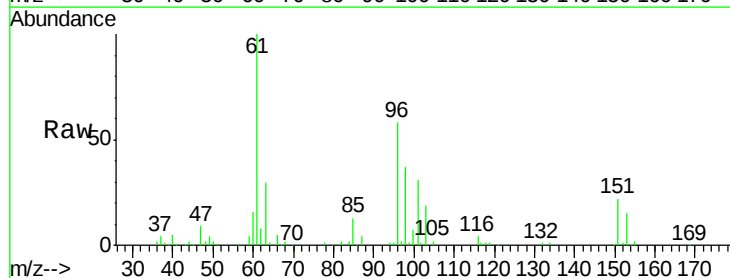
Tot Ion: 59 Resp: 36962
 Ion Ratio Lower Upper
 59 100
 57 4.2 8.8 13.2#

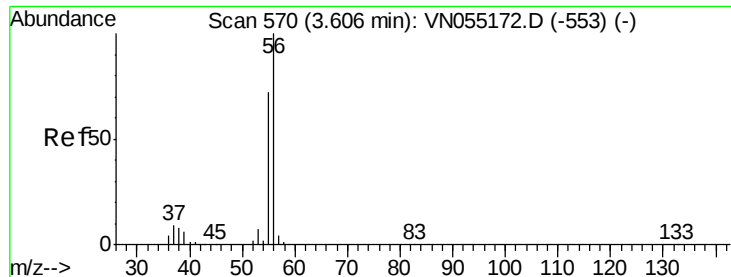


#12

1,1-Dichloroethene
 Concen: 20.536 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Tgt Ion: 96 Resp: 81477
 Ion Ratio Lower Upper
 96 100
 61 173.9 142.1 213.1
 98 63.7 51.2 76.8





#13

Acrolein

Concen: 107.353 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

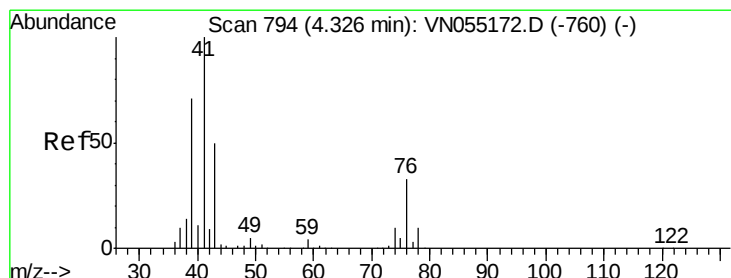
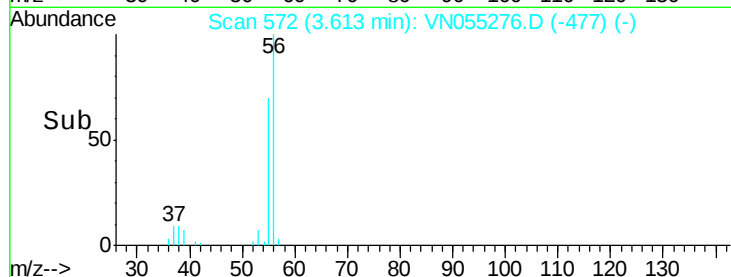
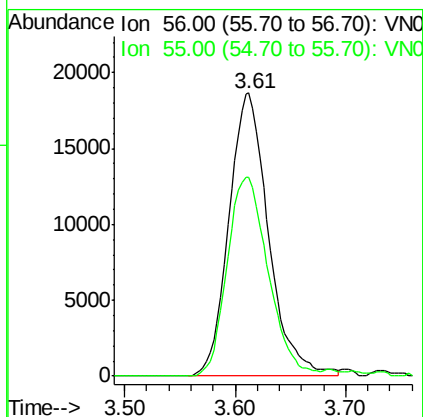
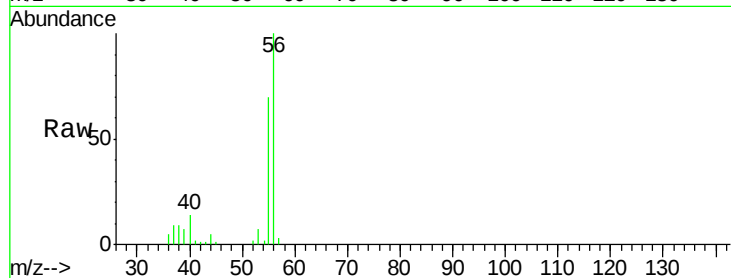
VN0427WBSD01

Tot Ion: 56 Resp: 46464

Ion Ratio Lower Upper

56 100

55 72.5 57.4 86.0



#14

Allyl chloride

Concen: 21.334 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

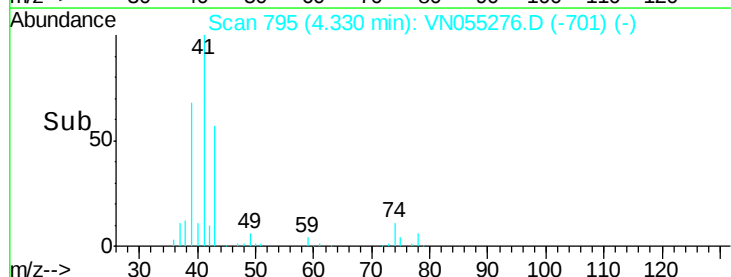
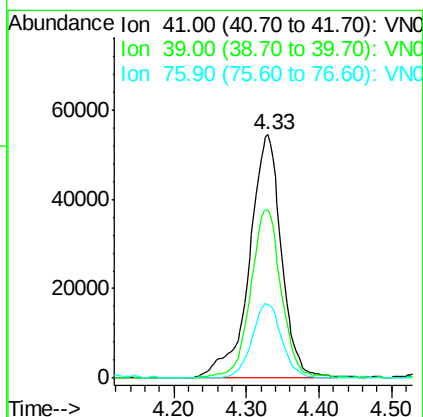
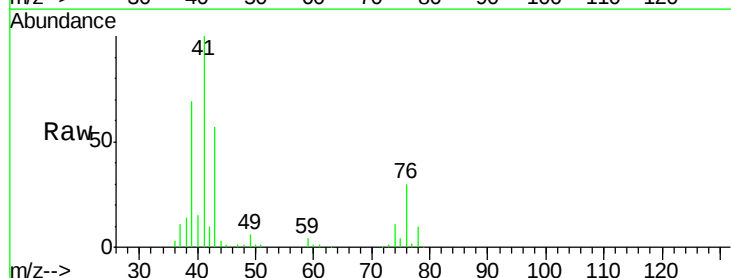
Tgt Ion: 41 Resp: 167336

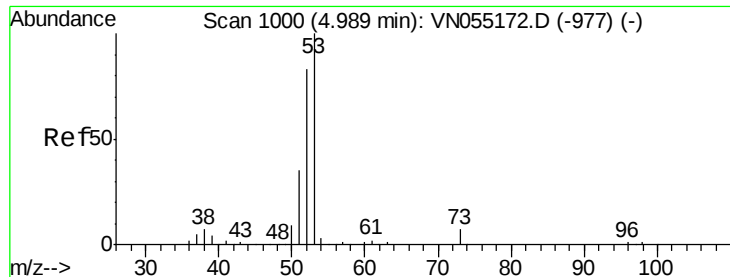
Ion Ratio Lower Upper

41 100

39 66.0 52.9 79.3

76 28.4 23.6 35.4





#15

Acrylonitrile

Concen: 118.091 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

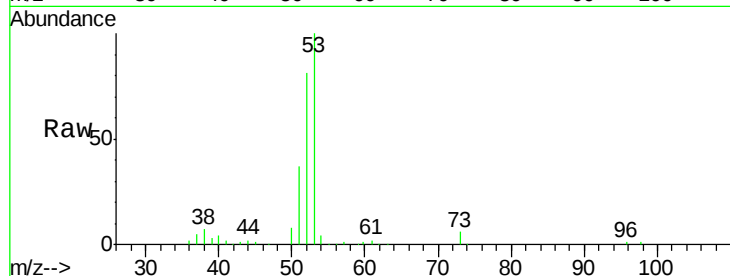
Tot Ion: 53 Resp: 197361

Ion Ratio Lower Upper

53 100

52 80.9 65.8 98.8

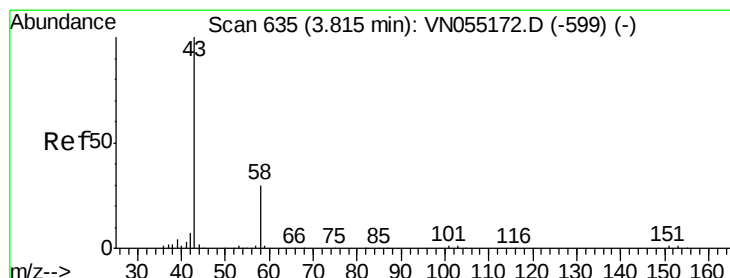
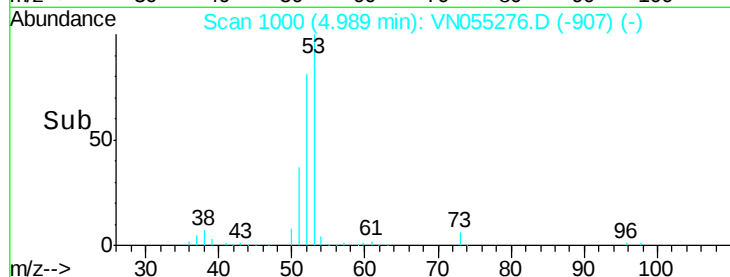
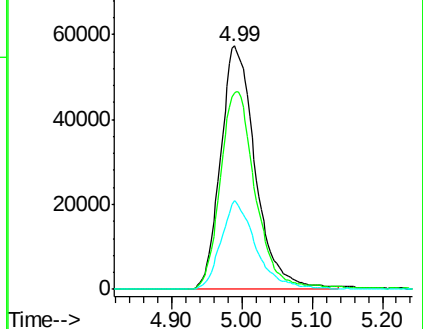
51 36.4 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN055276.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VN055276.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VN055276.D (-907) (-)



#16

Acetone

Concen: 88.378 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN055276.D

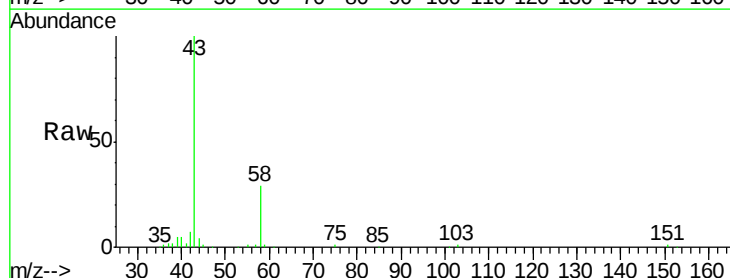
Acq: 26 Apr 2019 15:16

Tgt Ion: 43 Resp: 152501

Ion Ratio Lower Upper

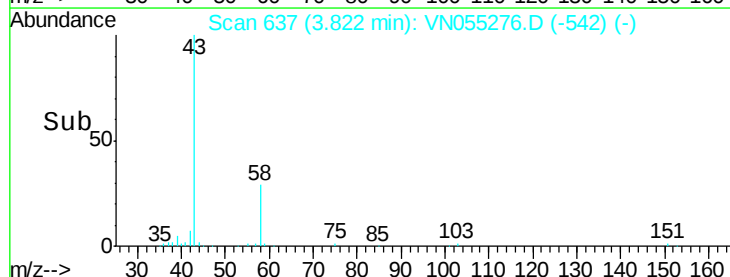
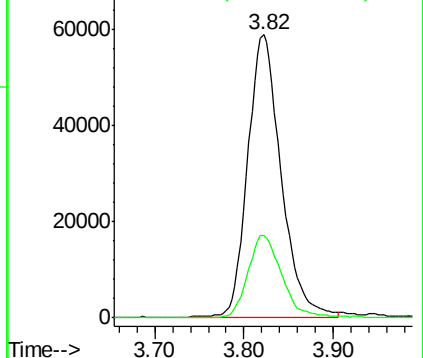
43 100

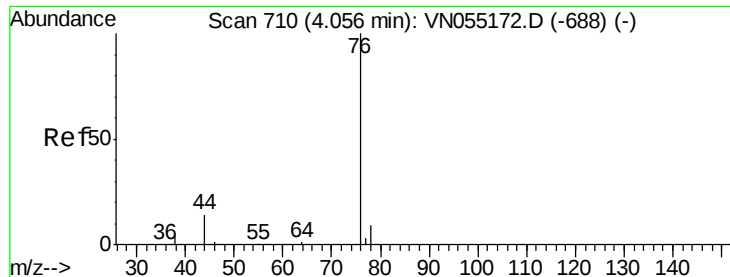
58 29.4 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VN055276.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN055276.D (-542) (-)

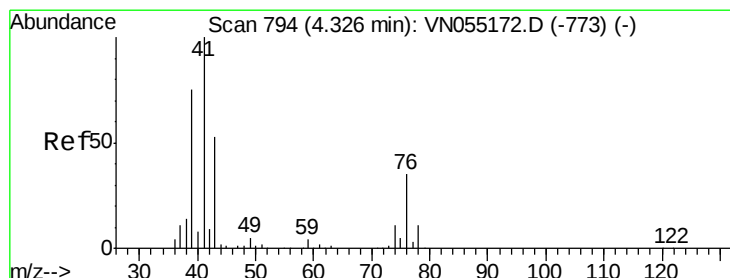
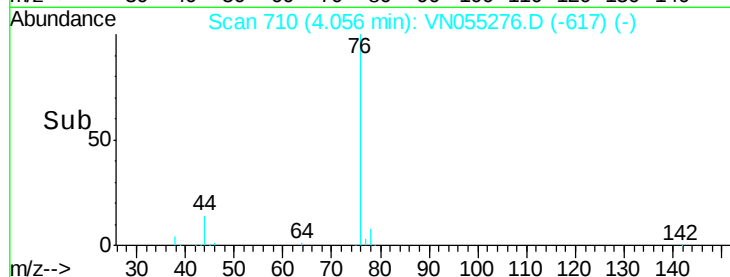
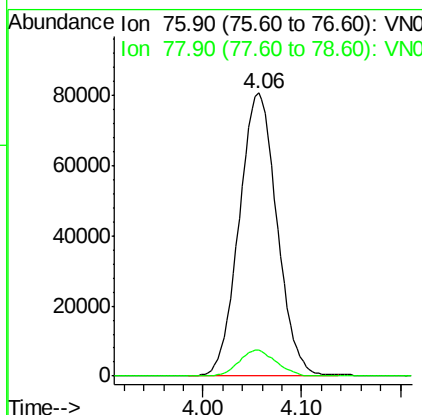
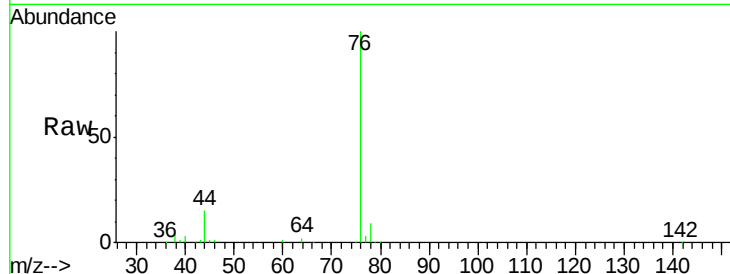




#17
Carbon Disulfide
Concen: 19.362 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

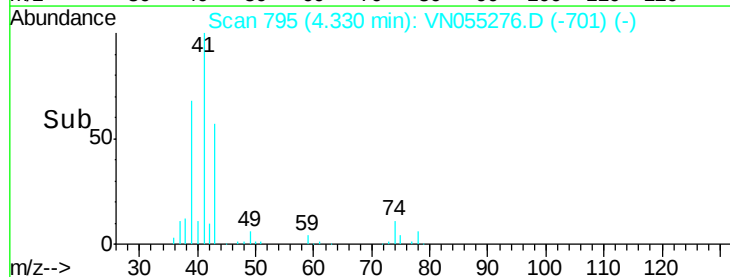
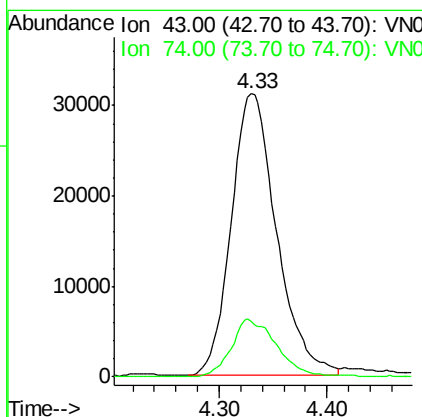
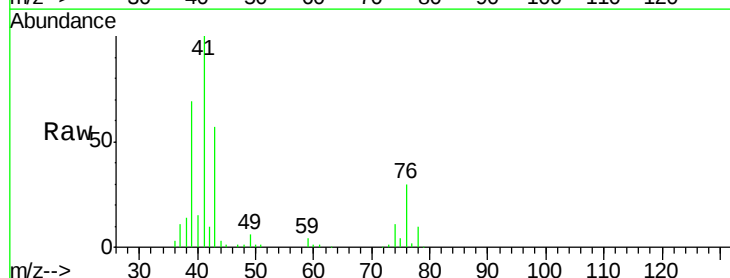
Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

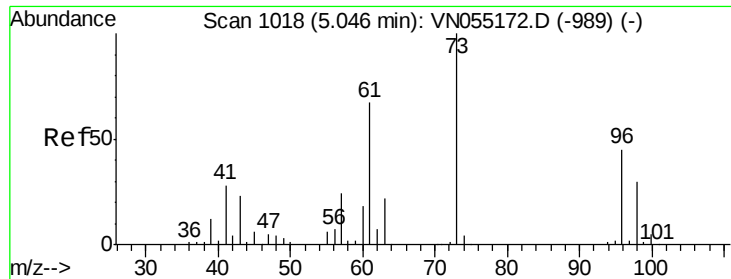
Tot Ion: 76 Resp: 214760
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 23.993 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion: 43 Resp: 91139
Ion Ratio Lower Upper
43 100
74 20.6 16.7 25.1

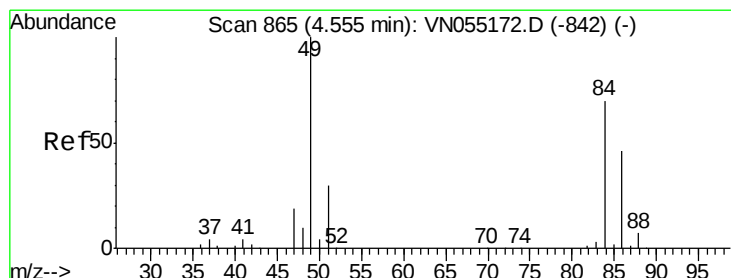
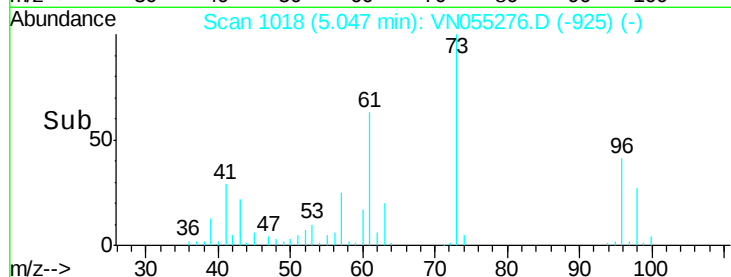
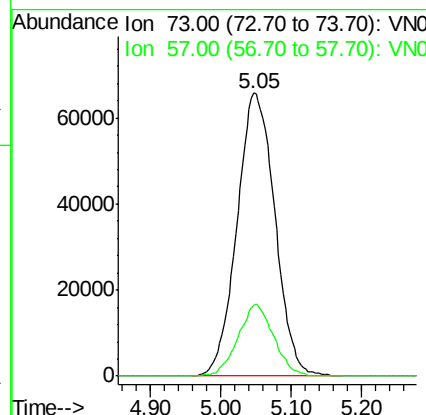
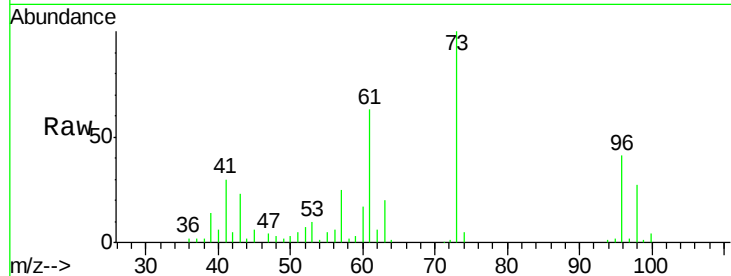




#19
Methvl tert-butvl Ether
Concen: 22.490 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

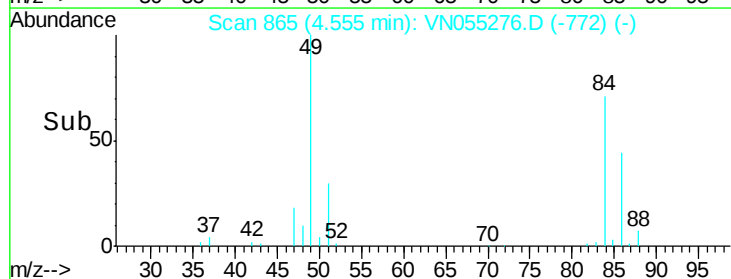
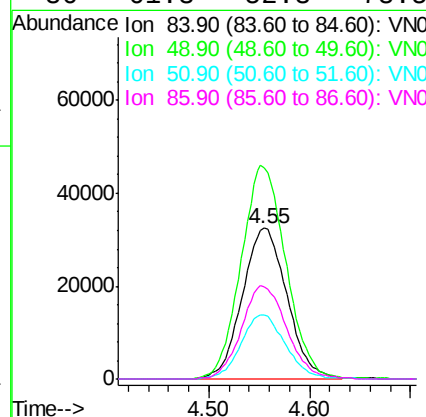
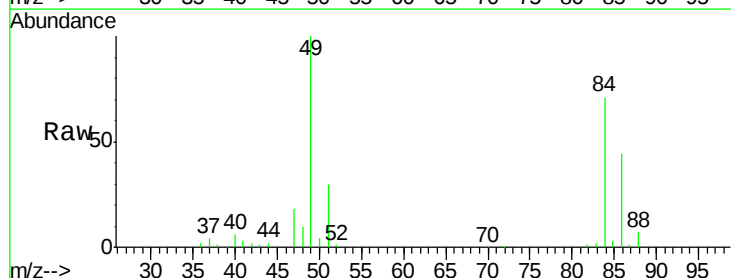
Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

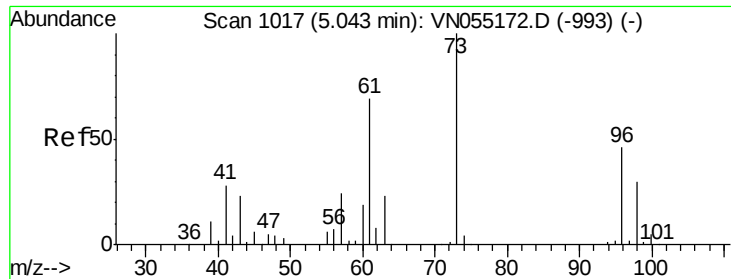
Tot Ion: 73 Resp: 246707
Ion Ratio Lower Upper
73 100
57 24.8 19.5 29.3



#20
Methylene Chloride
Concen: 20.104 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion: 84 Resp: 99728
Ion Ratio Lower Upper
84 100
49 140.2 113.8 170.6
51 42.7 34.0 51.0
86 61.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.856 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

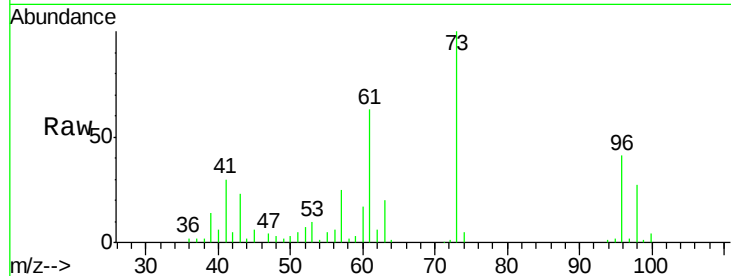
Tot Ion: 96 Resp: 86772

Ion Ratio Lower Upper

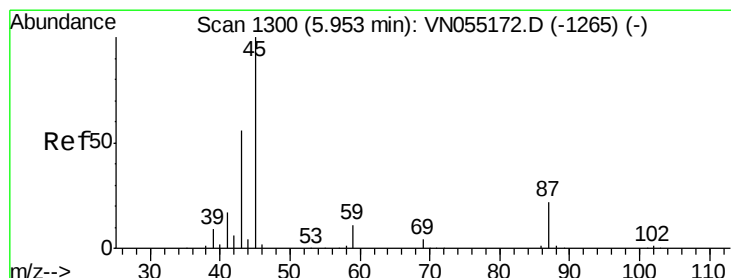
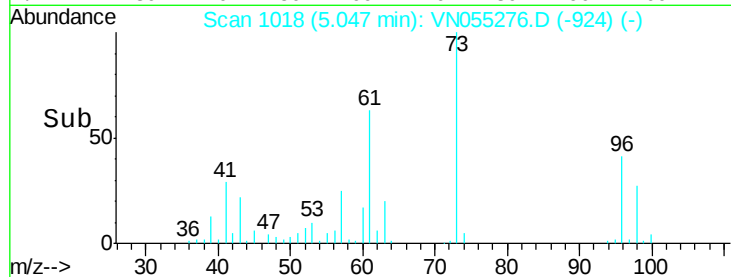
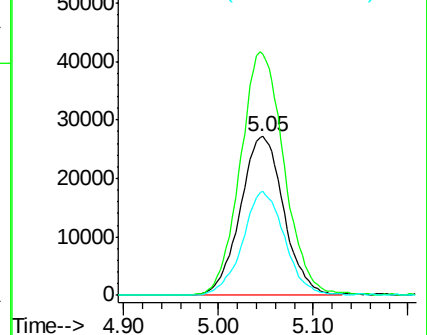
96 100

61 151.5 119.3 178.9

98 65.3 53.0 79.4



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.848 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Tgt Ion: 45 Resp: 341590

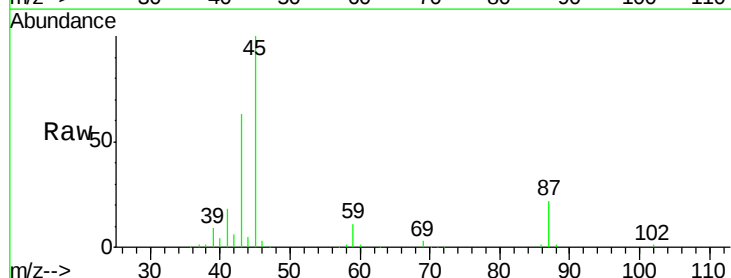
Ion Ratio Lower Upper

45 100

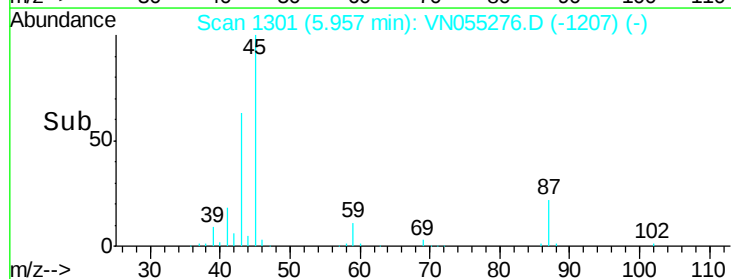
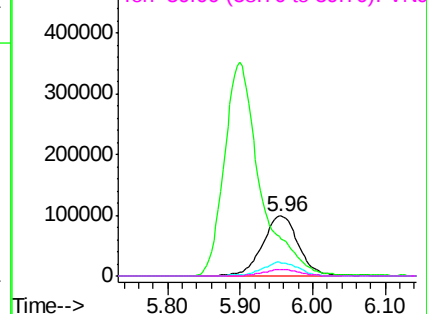
43 62.0 47.4 71.0

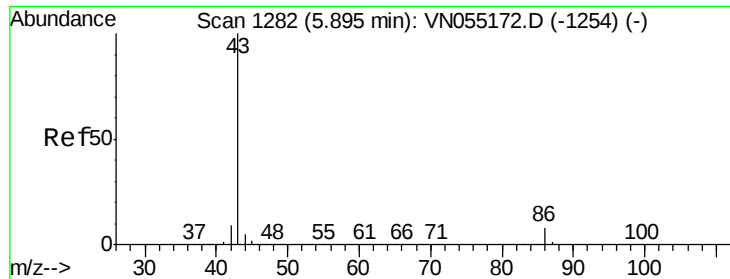
87 21.8 18.4 27.6

59 10.5 8.6 12.8



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 114.674 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

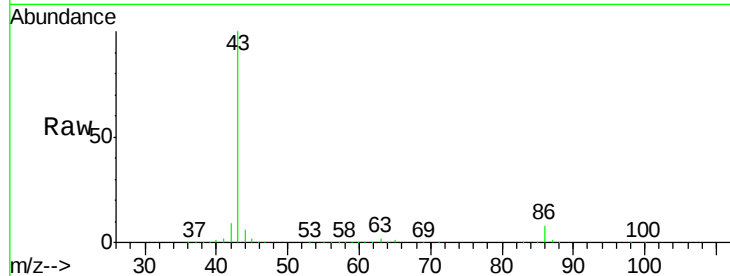
VN0427WBSD01

Tot Ion: 43 Resp: 1204806

Ion Ratio Lower Upper

43 100

86 8.0 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

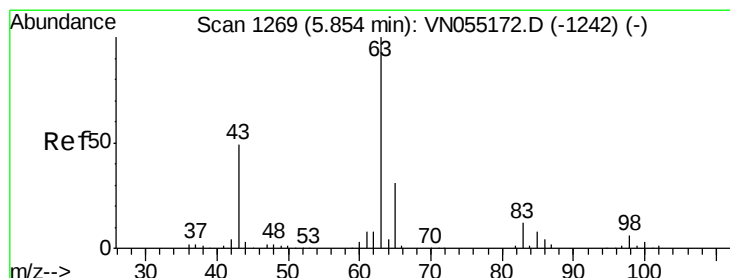
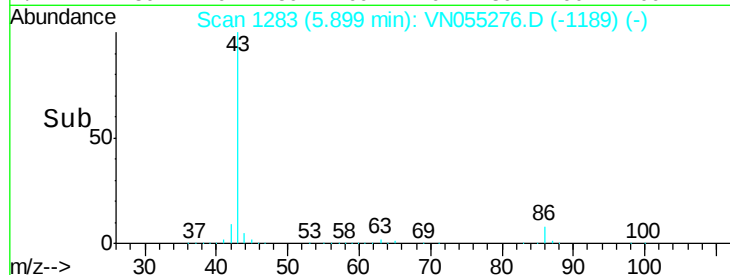
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.236 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

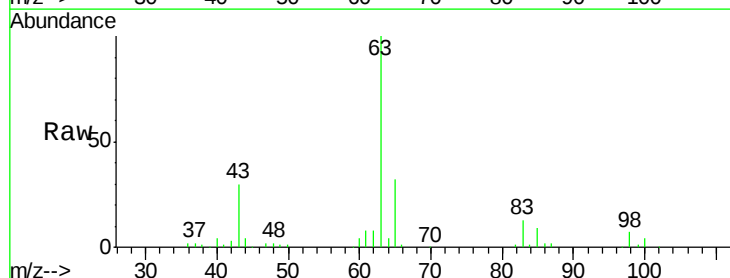
Tgt Ion: 63 Resp: 178588

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.3

100 3.6 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.85

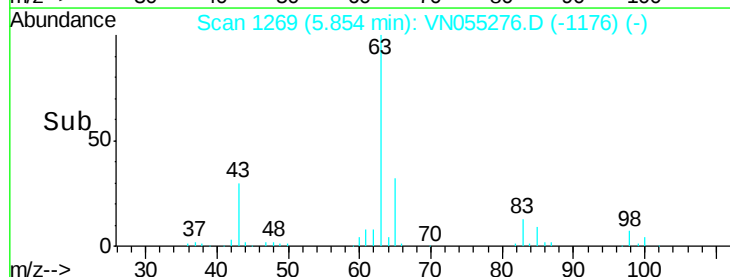
60000

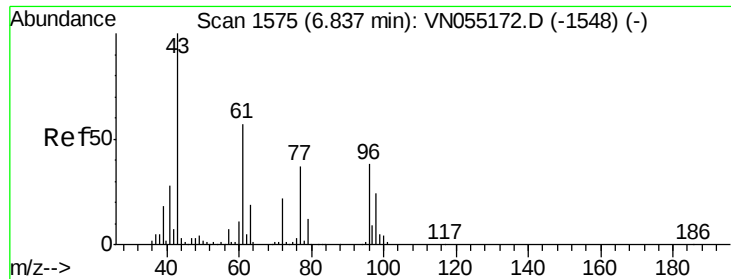
40000

20000

0

Time-->

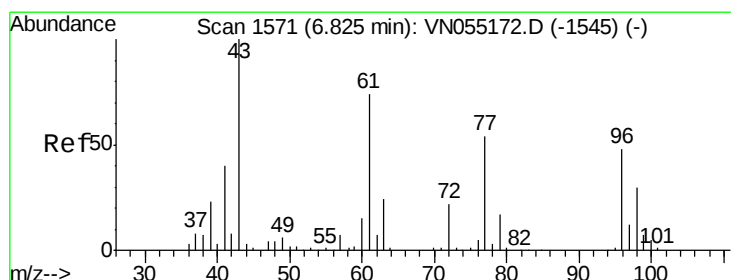
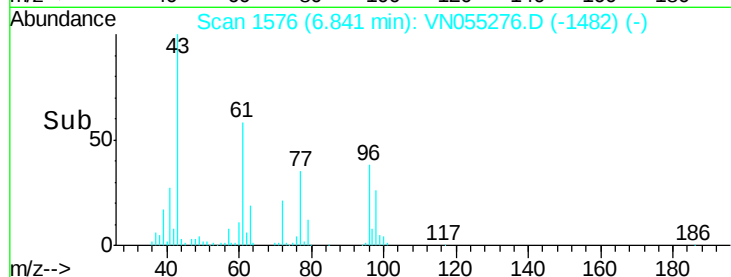
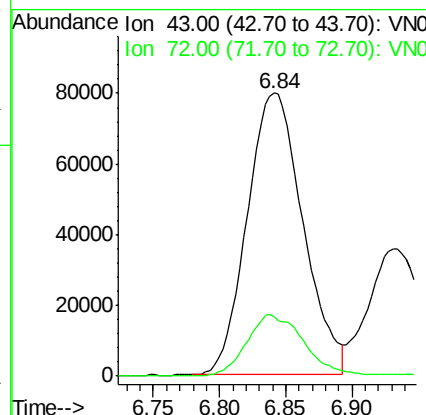
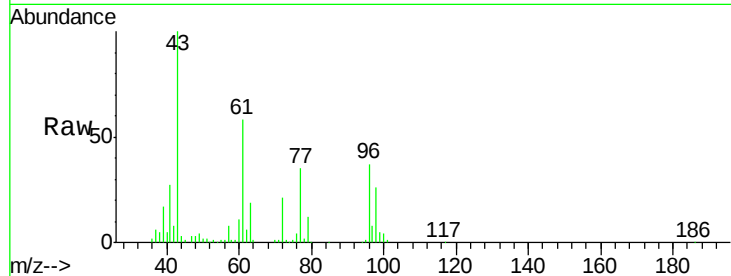




#25
2-Butanone
Concen: 105.140 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

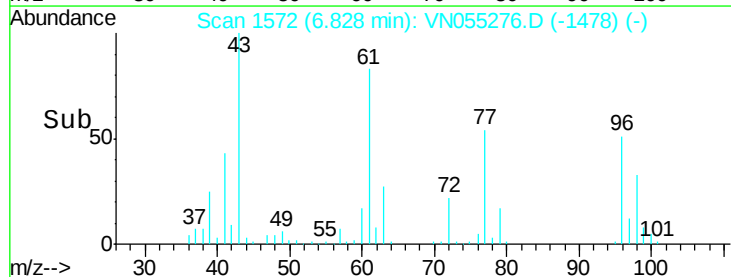
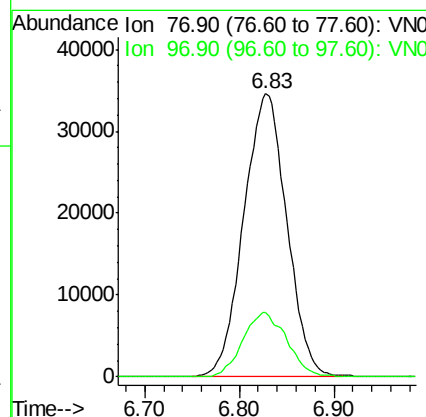
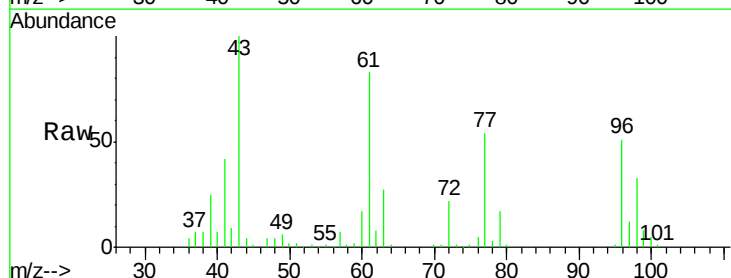
Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

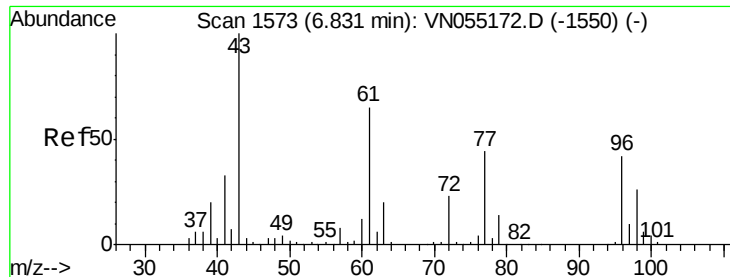
Tot Ion: 43 Resp: 234227
Ion Ratio Lower Upper
43 100
72 21.0 17.8 26.8



#26
2,2-Dichloropropane
Concen: 19.214 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion: 77 Resp: 109343
Ion Ratio Lower Upper
77 100
97 23.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.698 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

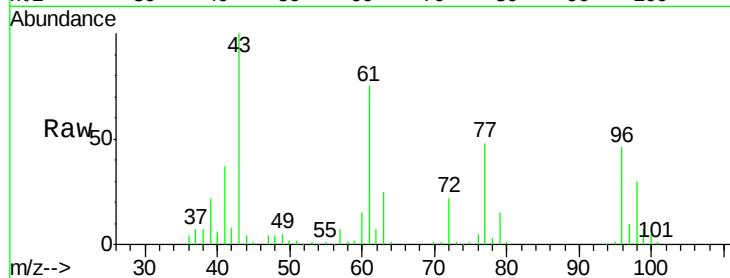
Tot Ion: 96 Resp: 99270

Ion Ratio Lower Upper

96 100

61 159.0 0.0 310.8

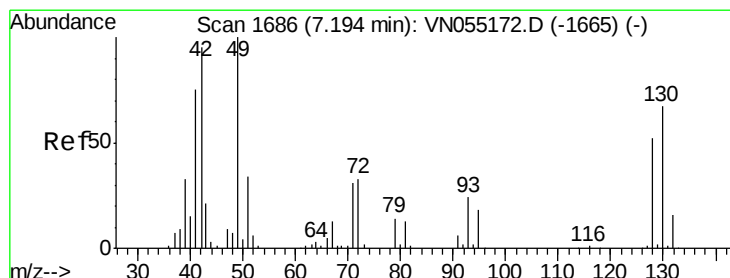
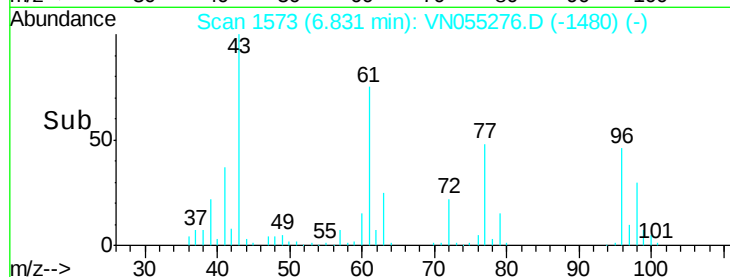
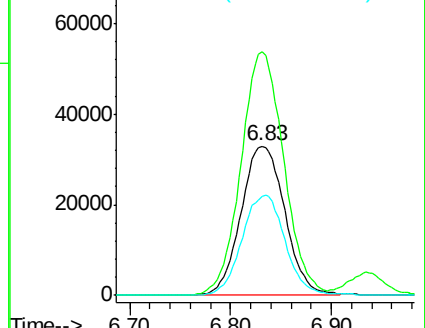
98 65.9 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.518 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

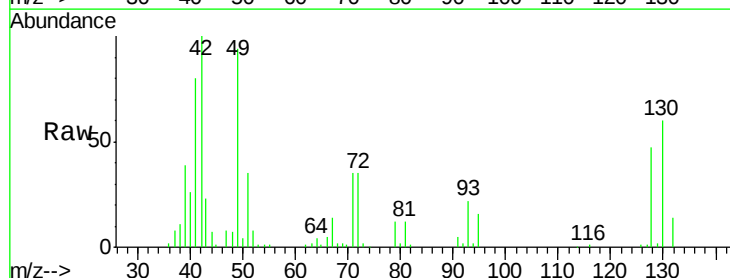
Tgt Ion: 49 Resp: 87955

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

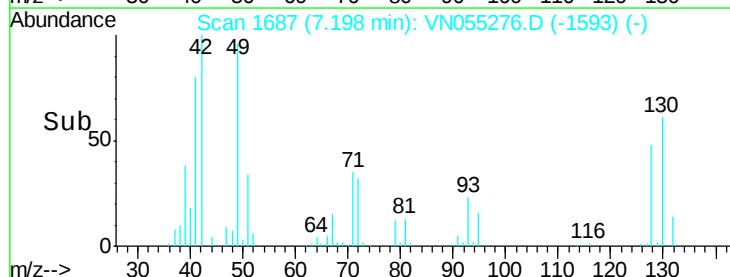
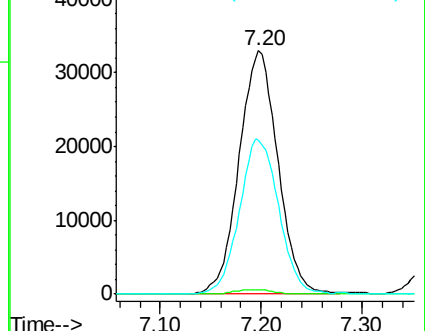
130 64.4 53.4 80.2

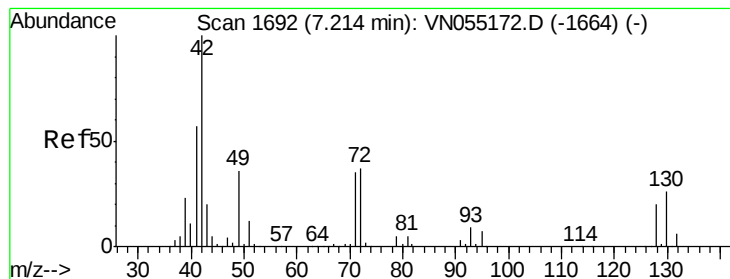


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 122.587 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampled :

VN0427WBSD01

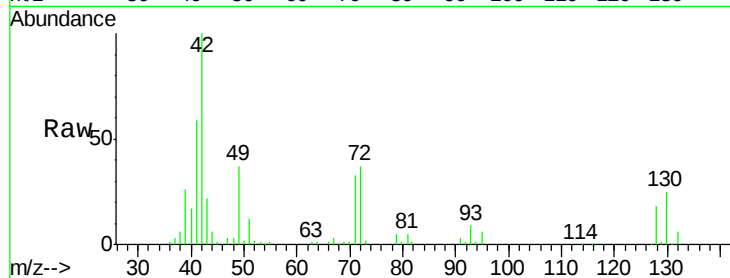
Tot Ion: 42 Resp: 167911

Ion Ratio Lower Upper

42 100

72 35.0 29.4 44.2

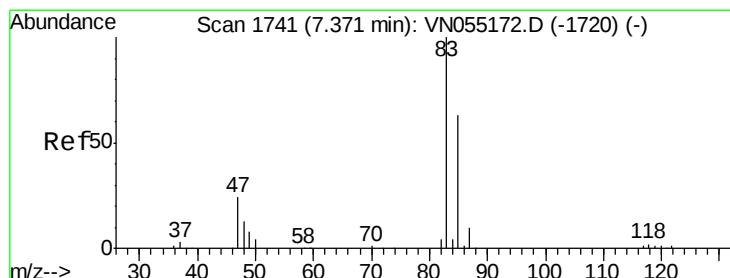
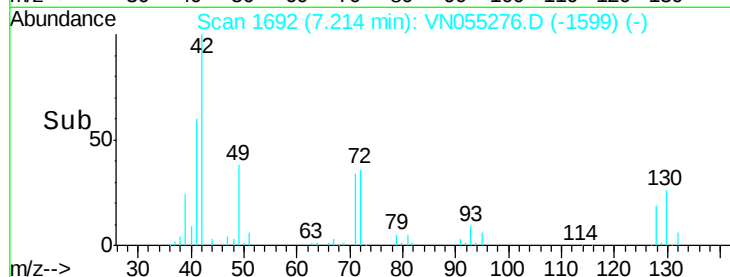
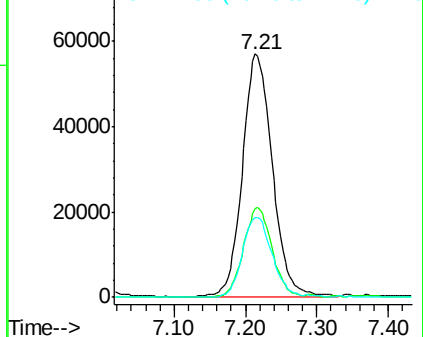
71 32.3 27.8 41.8



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 21.154 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN055276.D

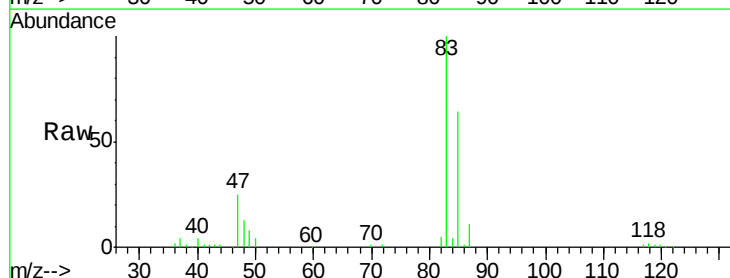
Acq: 26 Apr 2019 15:16

Tgt Ion: 83 Resp: 169219

Ion Ratio Lower Upper

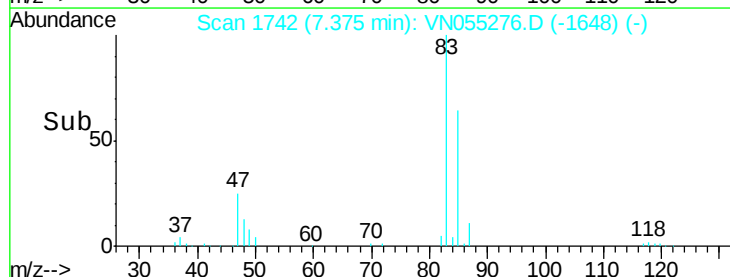
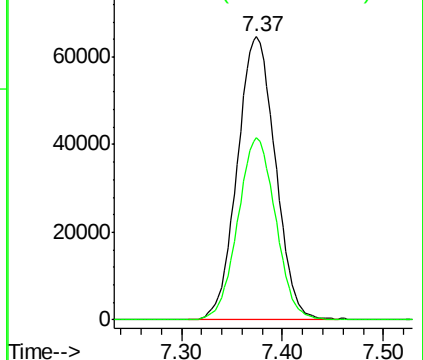
83 100

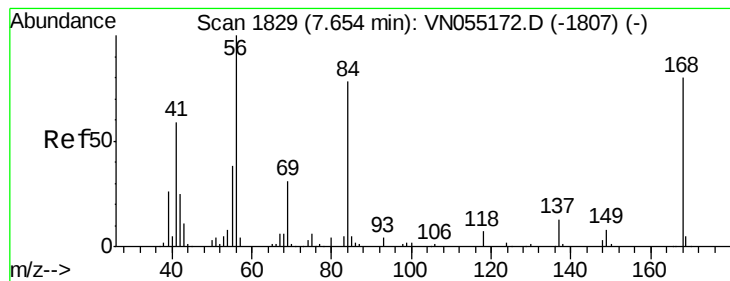
85 64.3 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.091 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleID :

VN0427WBSD01

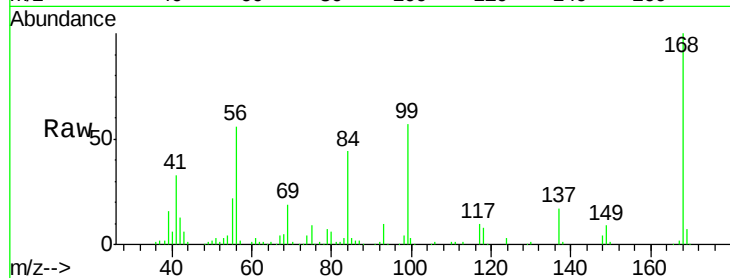
Tot Ion: 56 Resp: 164310

Ion Ratio Lower Upper

56 100

69 33.6 24.6 37.0

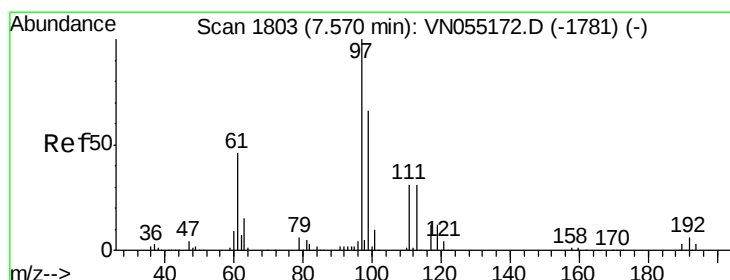
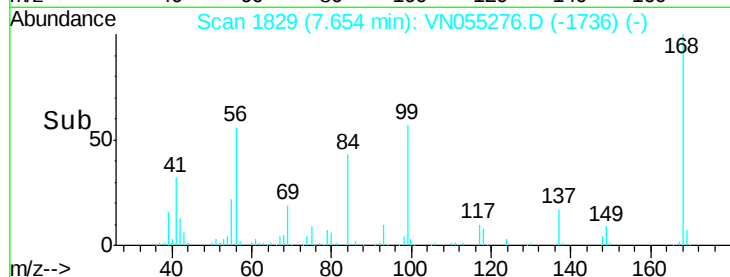
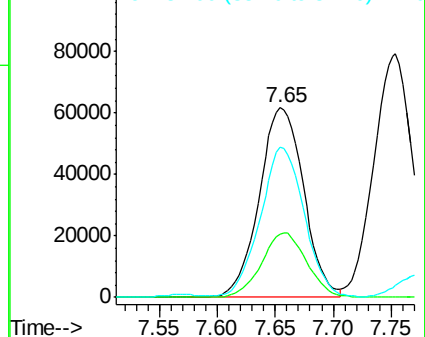
84 77.7 61.4 92.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 21.343 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

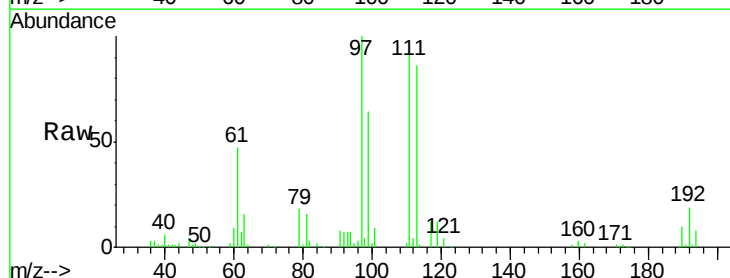
Tgt Ion: 97 Resp: 137164

Ion Ratio Lower Upper

97 100

99 64.6 51.1 76.7

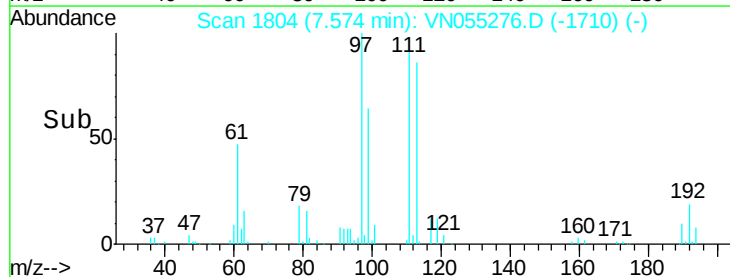
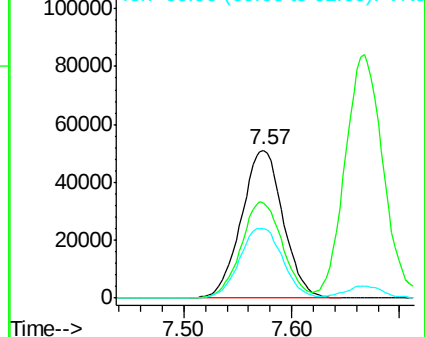
61 48.6 38.3 57.5

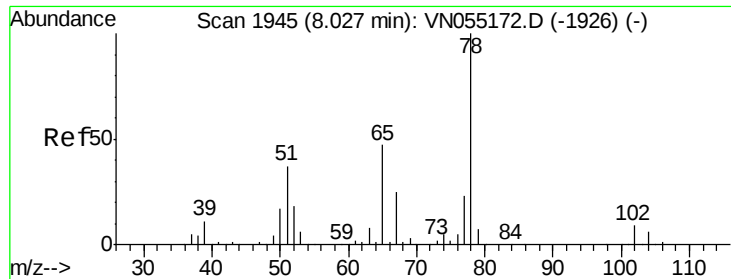


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

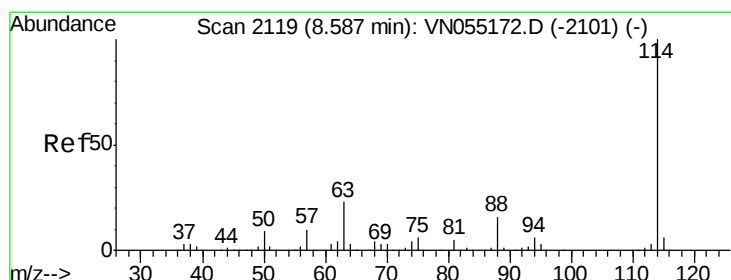
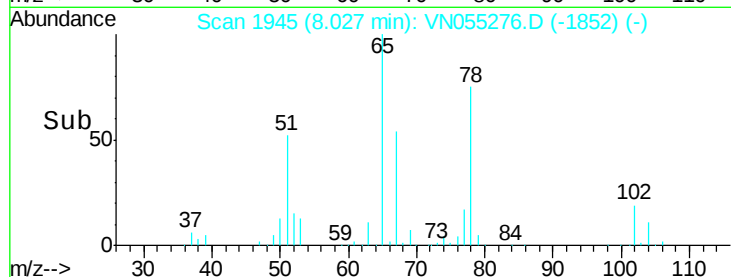
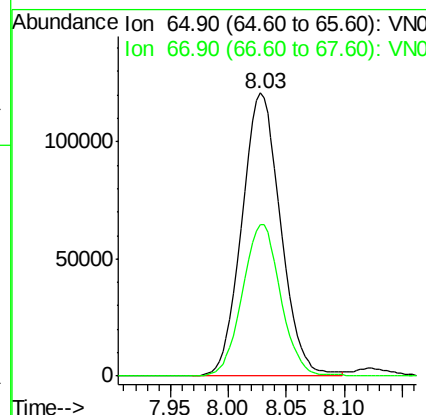
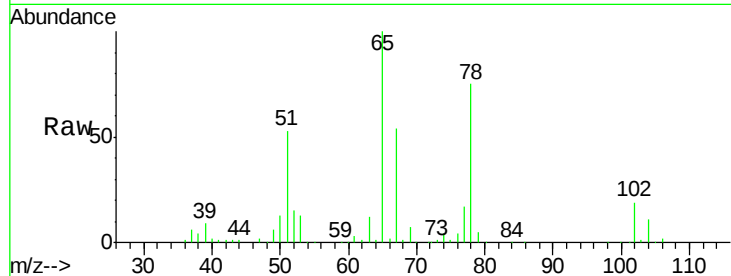




#33
 1,2-Dichloroethane-d4
 Concen: 53.906 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

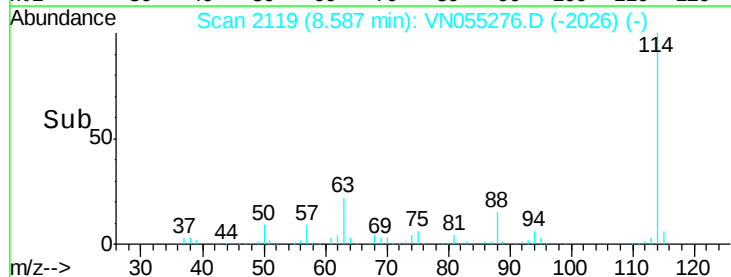
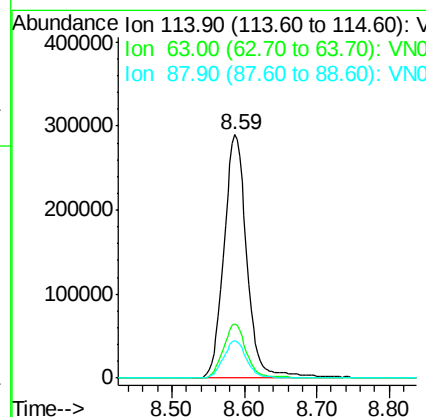
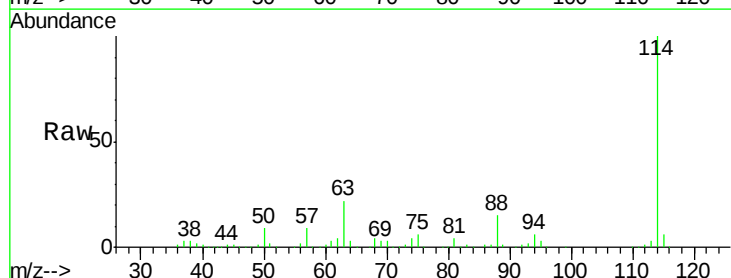
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBSD01

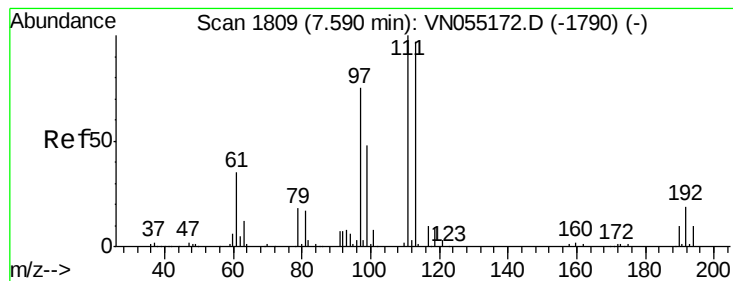
Tot Ion: 65 Resp: 281378
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Tgt Ion: 114 Resp: 635318
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.2
 88 15.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.301 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

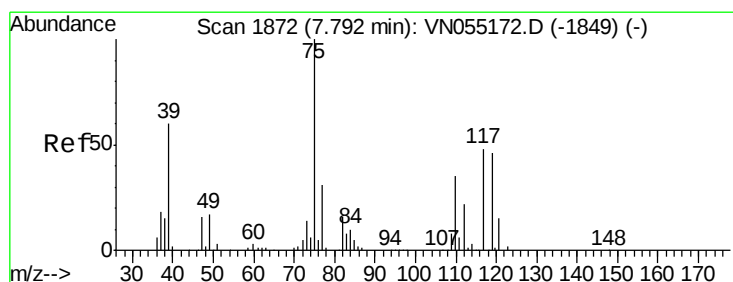
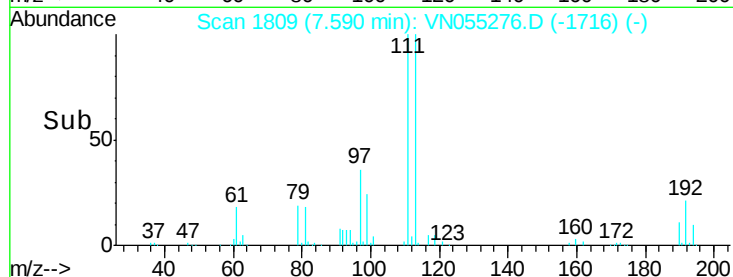
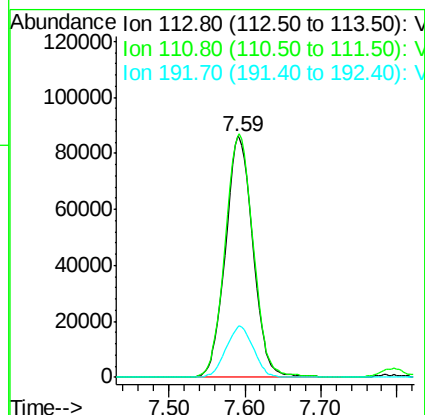
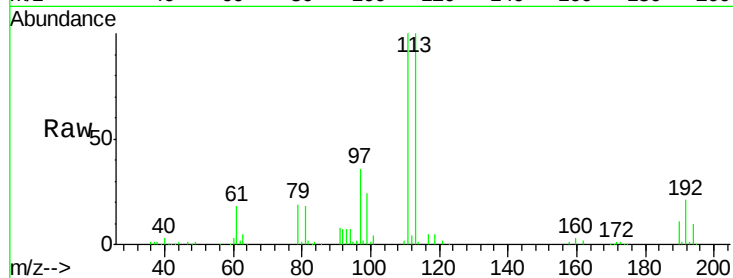
Tot Ion:113 Resp: 217099

Ion Ratio Lower Upper

113 100

111 102.5 81.0 121.4

192 21.2 16.2 24.4



#36

1,1-Dichloropropene

Concen: 20.216 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

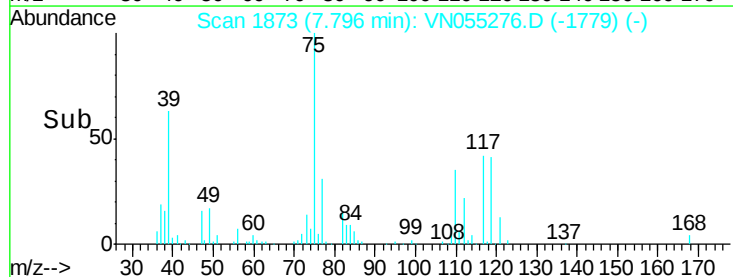
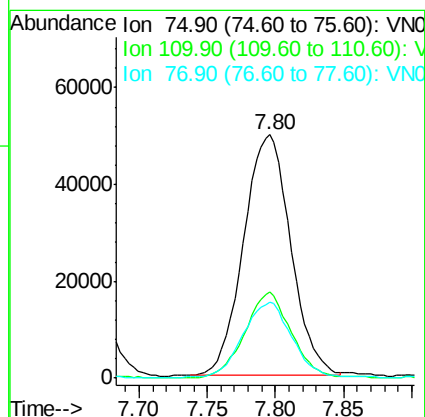
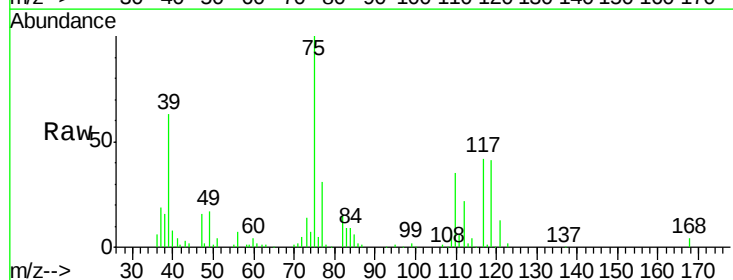
Tgt Ion: 75 Resp: 119211

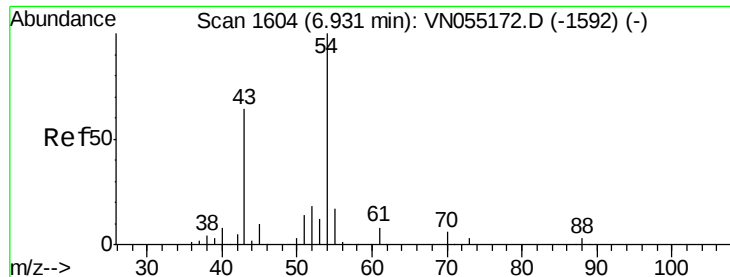
Ion Ratio Lower Upper

75 100

110 35.0 17.1 51.2

77 33.2 24.6 36.8

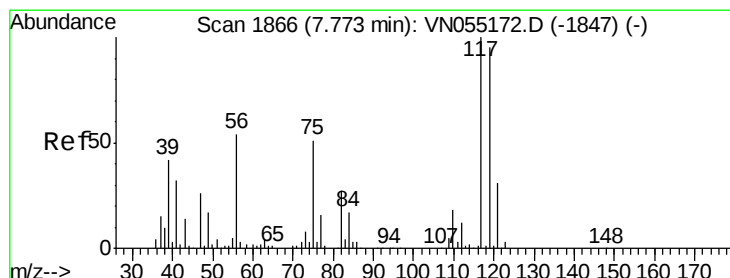
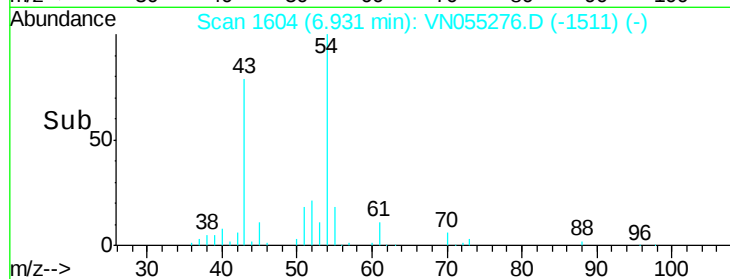
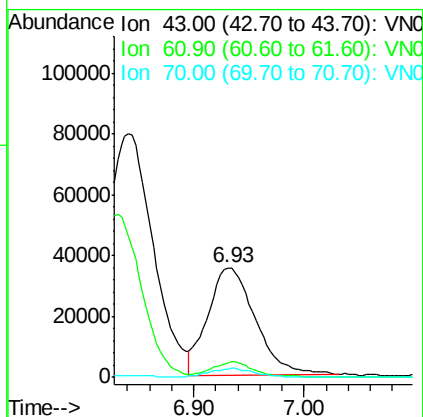
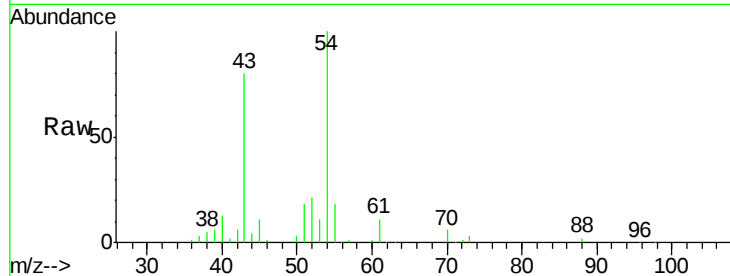




#37
Ethyl Acetate
Concen: 22.111 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

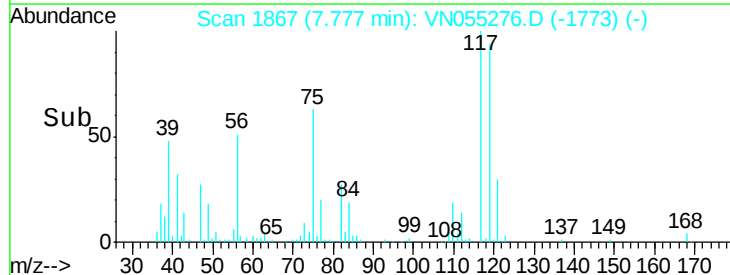
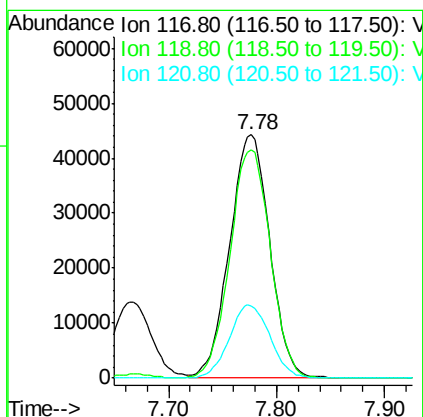
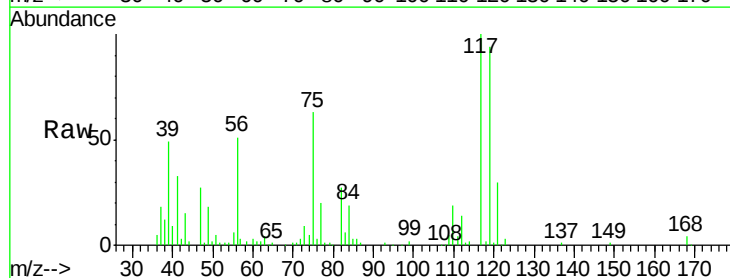
Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

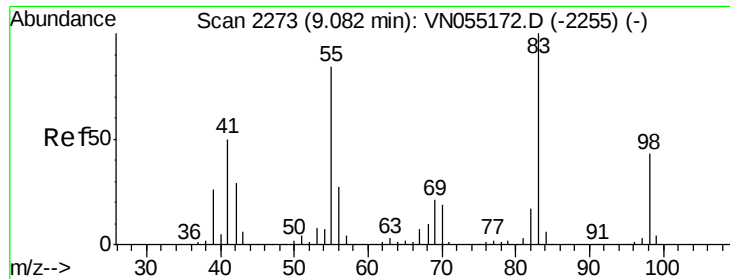
Tot Ion: 43 Resp: 105223
Ion Ratio Lower Upper
43 100
61 10.8 9.7 14.5
70 8.1 6.9 10.3



#38
Carbon Tetrachloride
Concen: 20.809 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion: 117 Resp: 114908
Ion Ratio Lower Upper
117 100
119 93.9 76.0 114.0
121 29.6 24.6 36.8

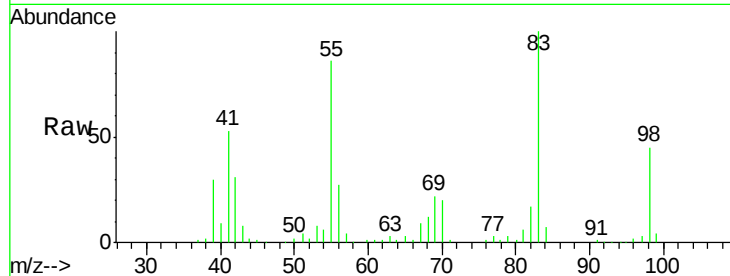




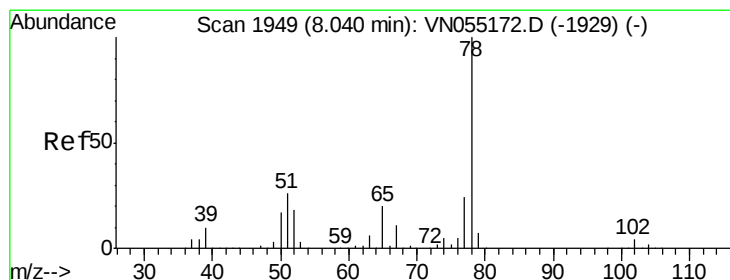
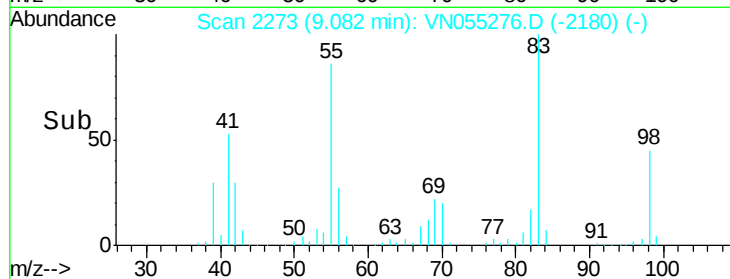
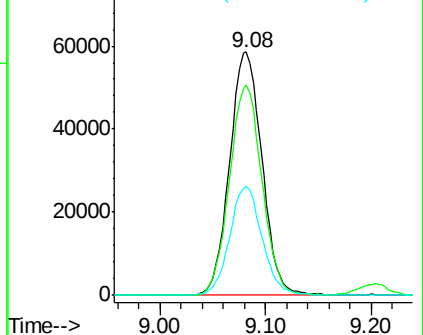
#39
Methvlcvclohexane
Concen: 17.735 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

Tot Ion: 83 Resp: 124764
Ion Ratio Lower Upper
83 100
55 86.1 67.4 101.0
98 44.7 34.7 52.1

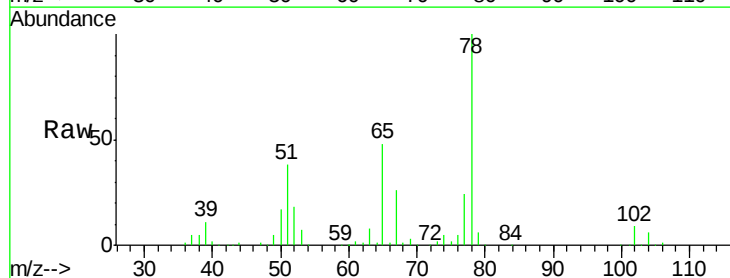


Abundance Ion 83.00 (82.70 to 83.70): VNC
Ion 55.00 (54.70 to 55.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

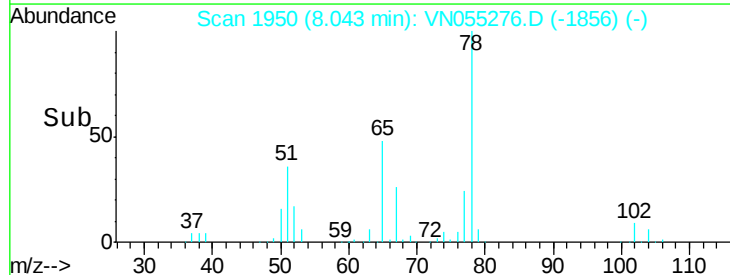
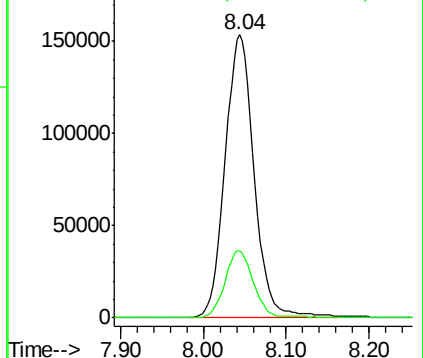


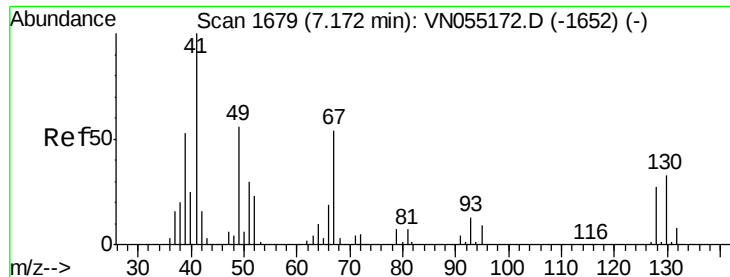
#40
Benzene
Concen: 20.553 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion: 78 Resp: 374125
Ion Ratio Lower Upper
78 100
77 23.9 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VNC
Ion 77.00 (76.70 to 77.70): VNC

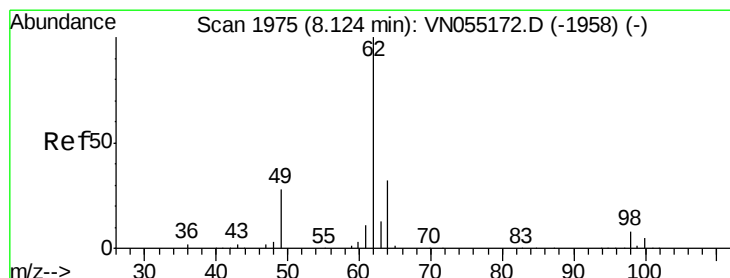
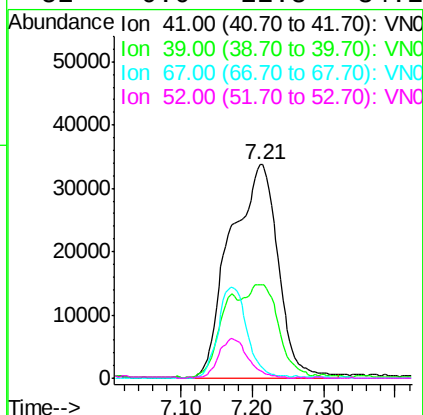
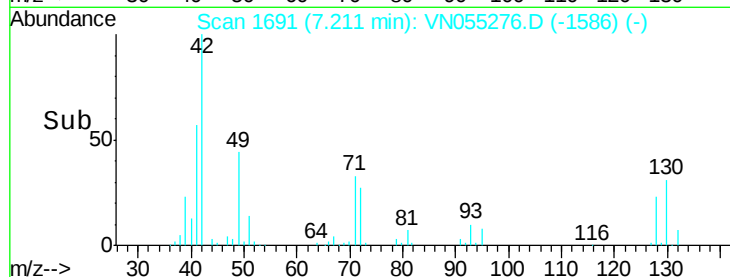
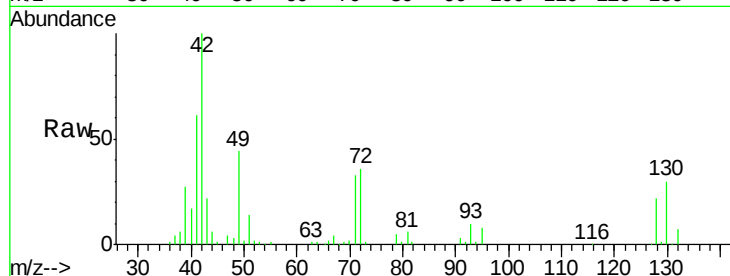




#41
Methacrylonitrile
Concen: 63.132 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

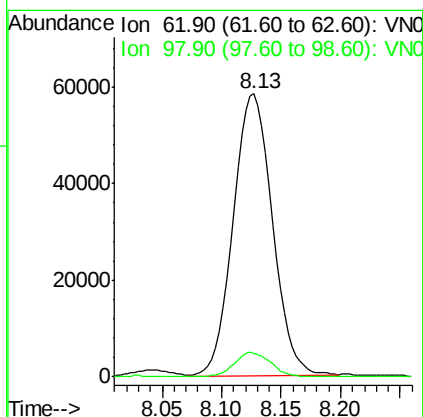
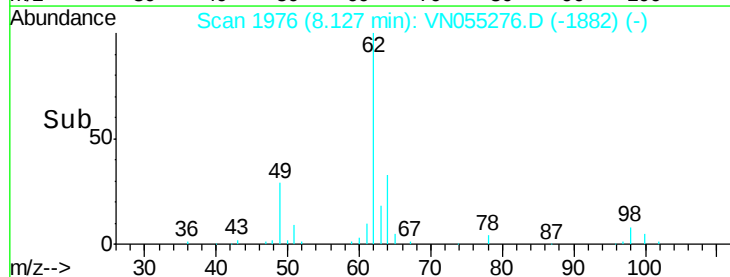
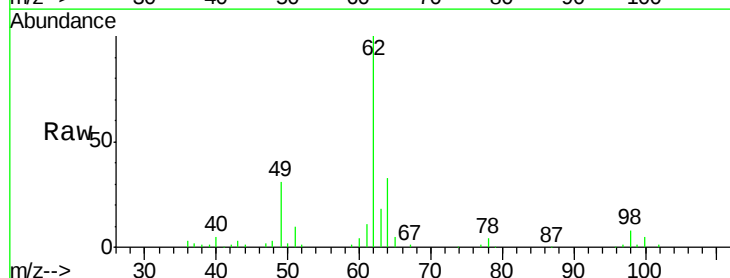
Instrument :
MSVOA_N
ClientSampled :
VN0427WBSD01

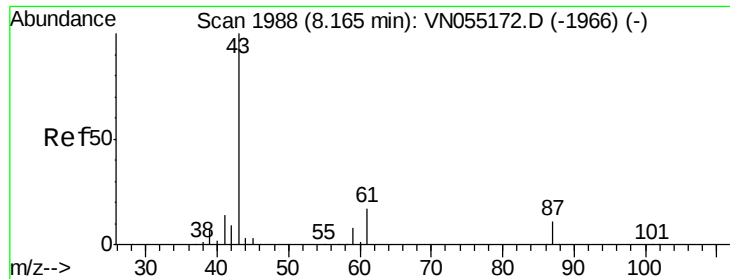
Tot Ion: 41 Resp: 157511
Ion Ratio Lower Upper
41 100
39 0.0 45.4 68.0#
67 0.0 54.6 81.8#
52 0.0 22.8 34.2#



#42
1,2-Dichloroethane
Concen: 21.008 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion: 62 Resp: 133407
Ion Ratio Lower Upper
62 100
98 8.1 0.0 17.0





#43

Isopropyl Acetate

Concen: 22.899 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleID :

VN0427WBSD01

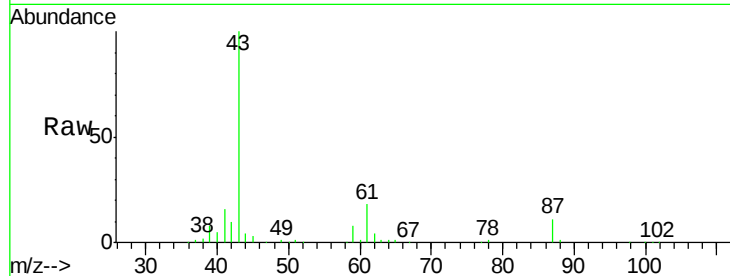
Tot Ion: 43 Resp: 176461

Ion Ratio Lower Upper

43 100

61 24.8 20.6 30.8

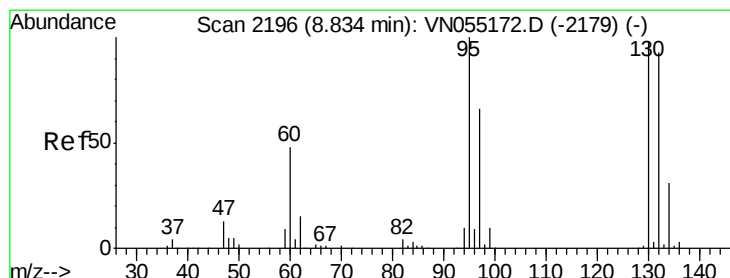
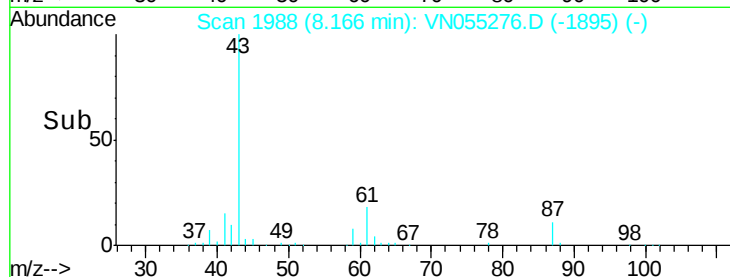
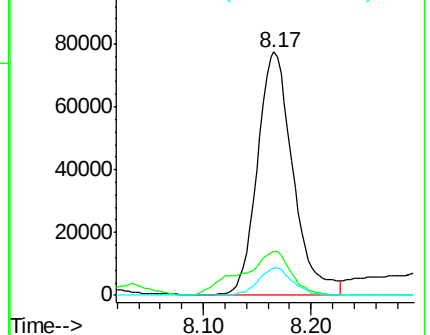
87 10.8 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN055172.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN055172.D (-1966) (-)



#44

Trichloroethene

Concen: 20.054 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055276.D

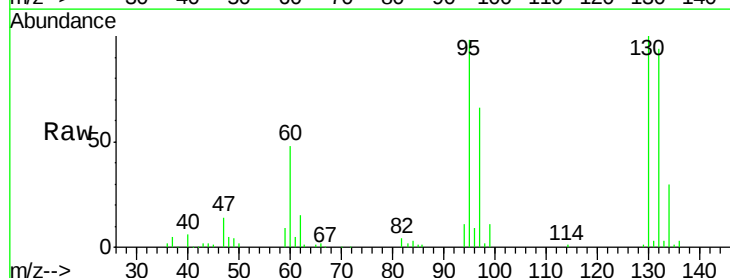
Acq: 26 Apr 2019 15:16

Tgt Ion:130 Resp: 92265

Ion Ratio Lower Upper

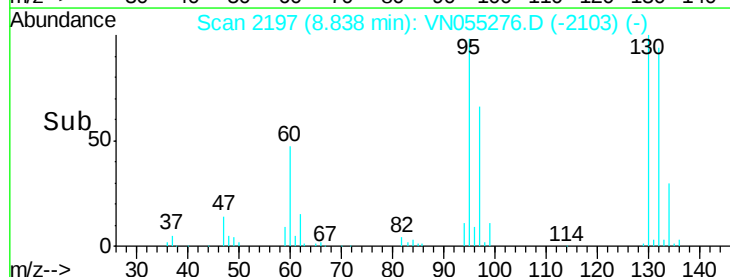
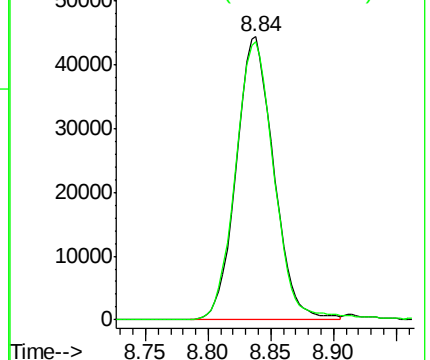
130 100

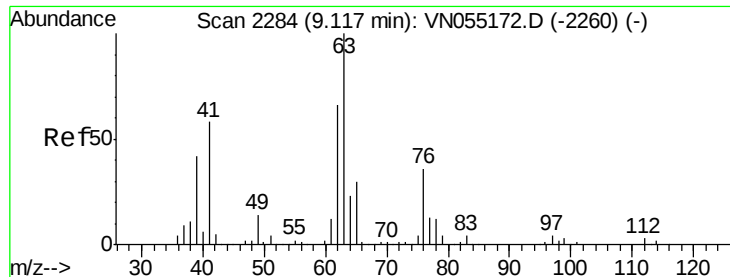
95 98.1 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): VN055172.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055172.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 20.739 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

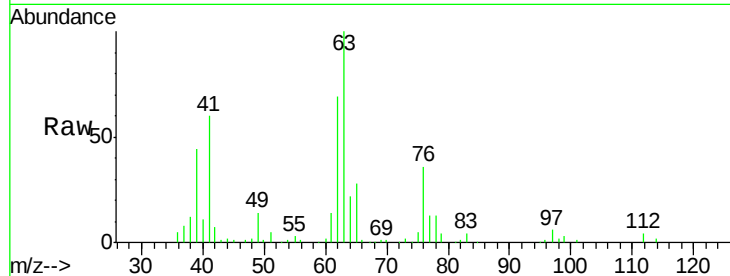
VN0427WBSD01

Tot Ion: 63 Resp: 106563

Ion Ratio Lower Upper

63 100

65 28.0 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

60000

50000

40000

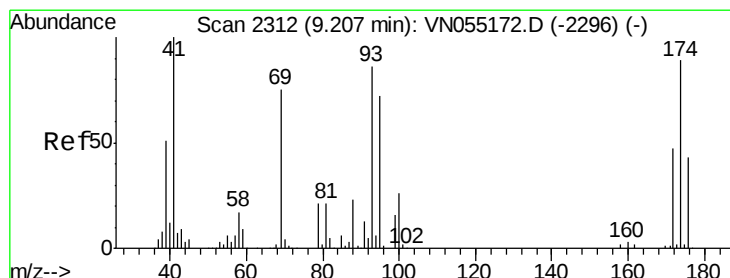
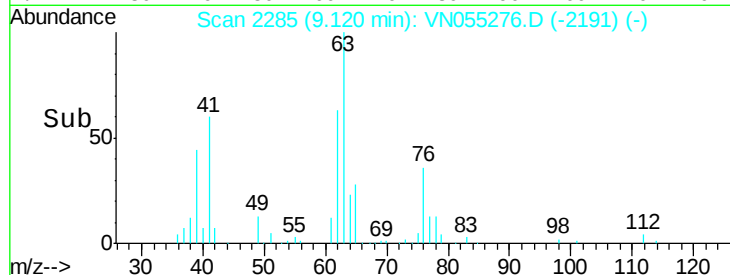
30000

20000

10000

0

Time--> 9.00 9.05 9.10 9.15 9.20



#46

Dibromomethane

Concen: 20.552 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

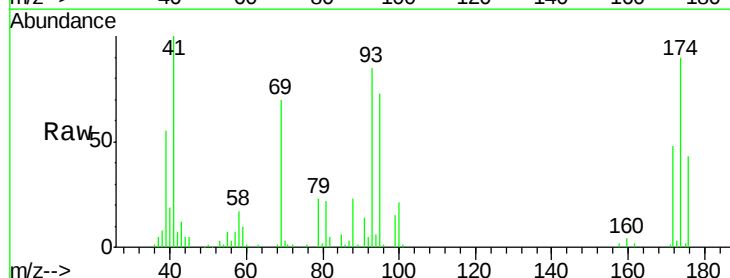
Tgt Ion: 93 Resp: 60452

Ion Ratio Lower Upper

93 100

95 84.3 67.6 101.4

174 102.5 83.4 125.2



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

40000

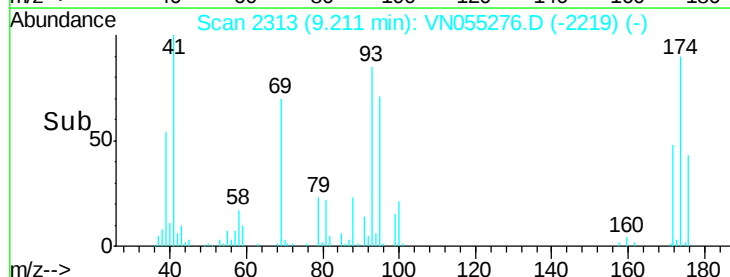
30000

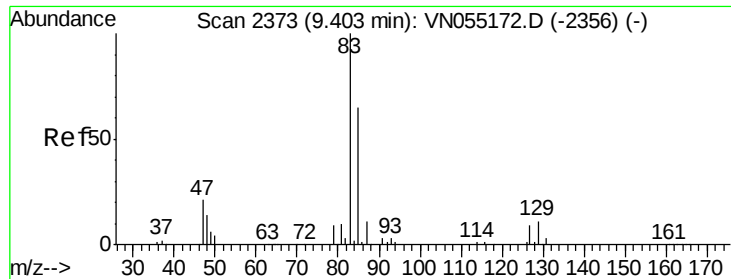
20000

10000

0

Time--> 9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 21.213 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

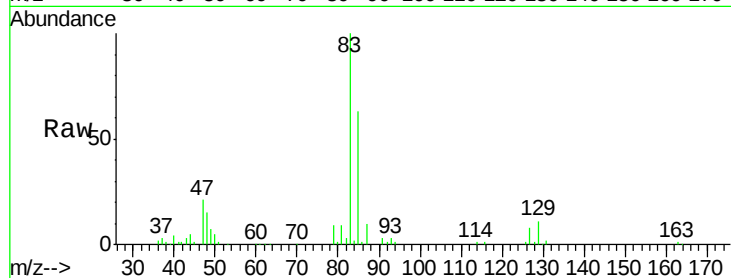
Tot Ion: 83 Resp: 124908

Ion Ratio Lower Upper

83 100

85 62.6 52.1 78.1

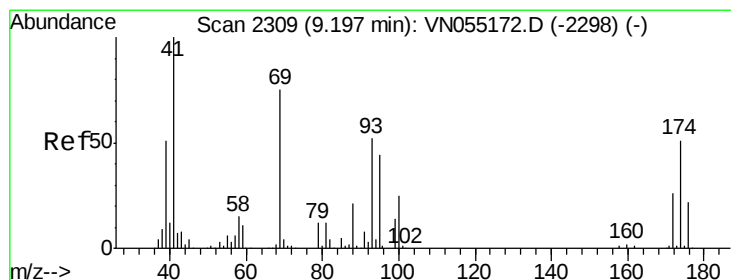
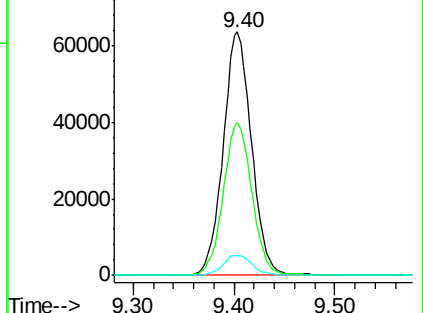
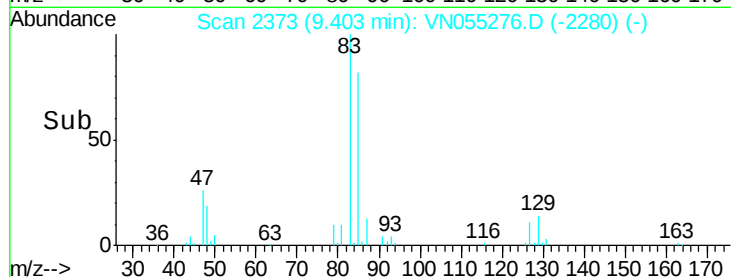
127 8.1 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 22.604 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

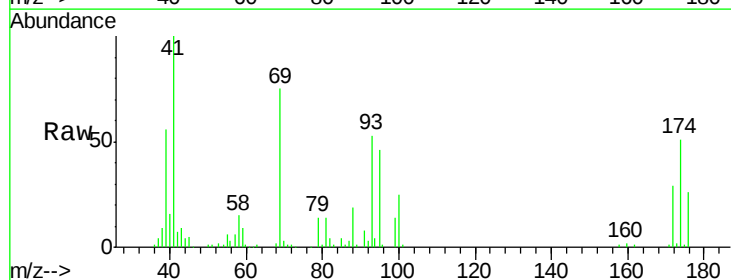
Tgt Ion: 41 Resp: 84497

Ion Ratio Lower Upper

41 100

69 74.4 63.6 95.4

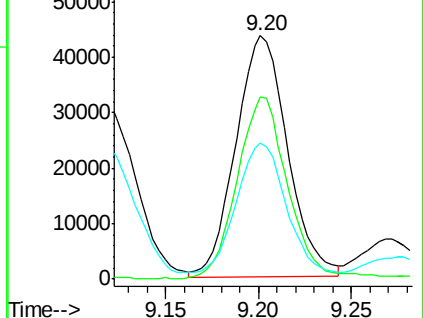
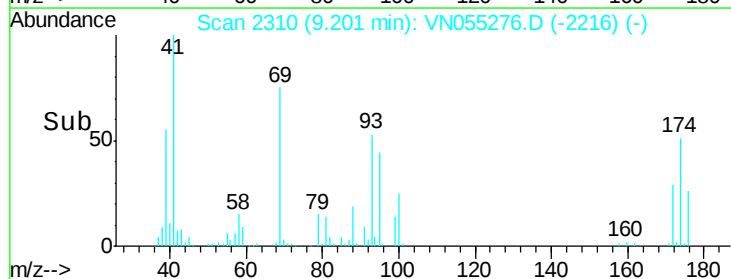
39 54.7 43.8 65.8

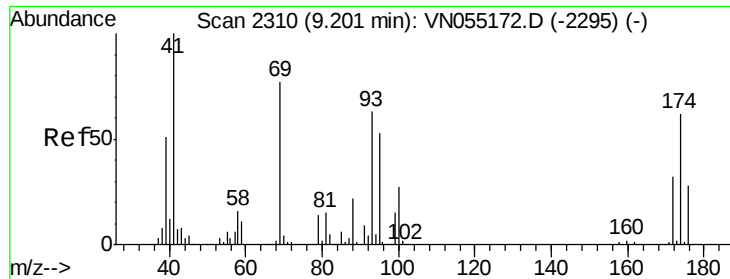


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 446.531 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

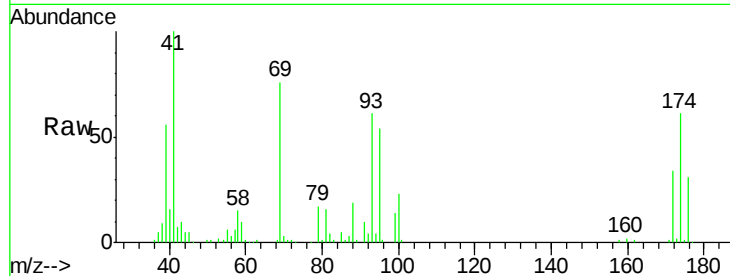
Tot Ion: 88 Resp: 19276

Ion Ratio Lower Upper

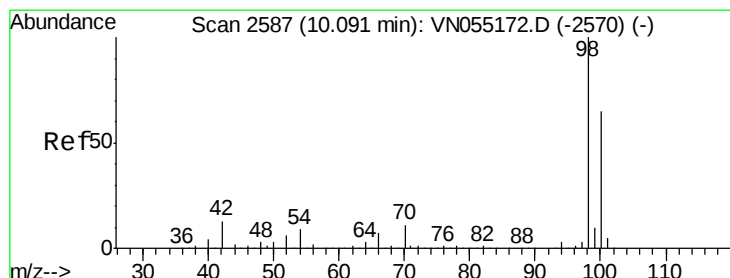
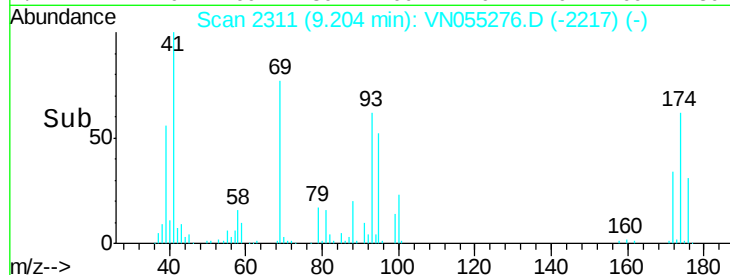
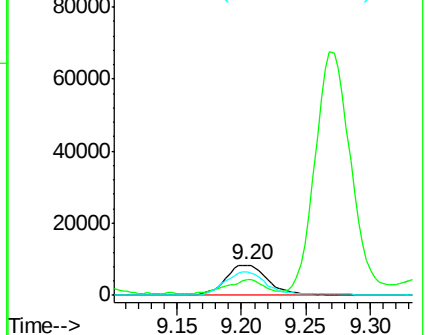
88 100

43 41.4 32.0 48.0

58 75.3 60.4 90.6



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



#50

Toluene-d8

Concen: 49.345 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055276.D

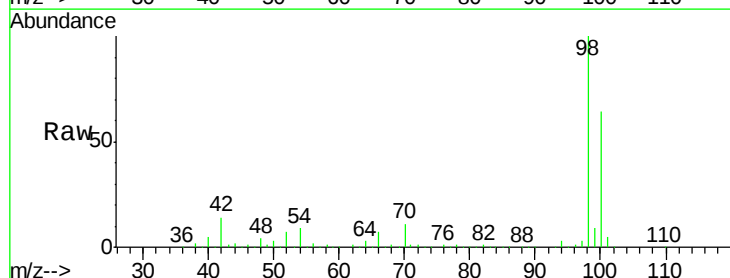
Acq: 26 Apr 2019 15:16

Tgt Ion: 98 Resp: 789101

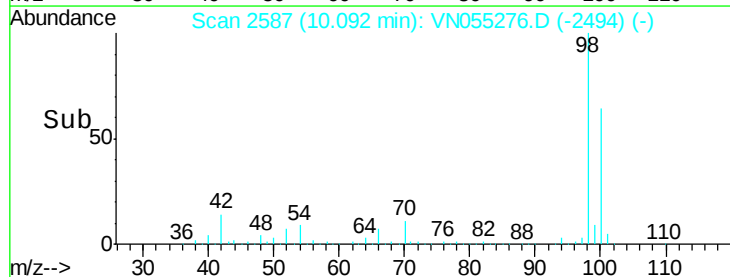
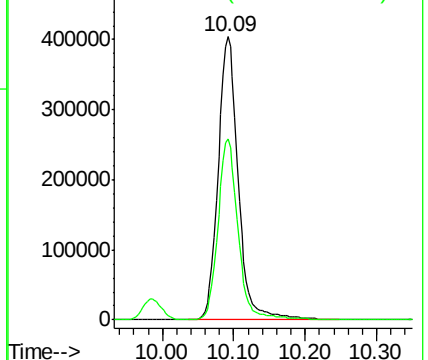
Ion Ratio Lower Upper

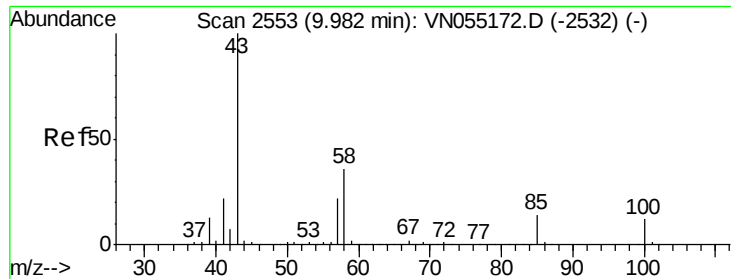
98 100

100 63.8 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 113.596 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

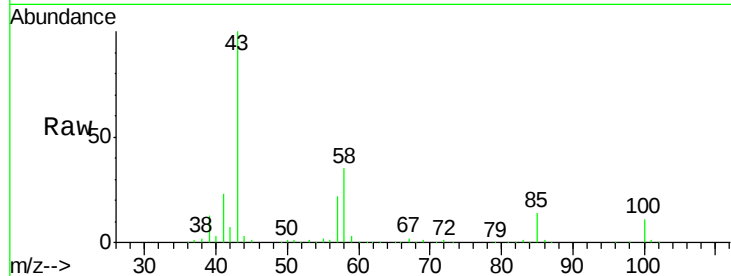
VN0427WBSD01

Tot Ion: 43 Resp: 503727

Ion Ratio Lower Upper

43 100

58 35.4 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

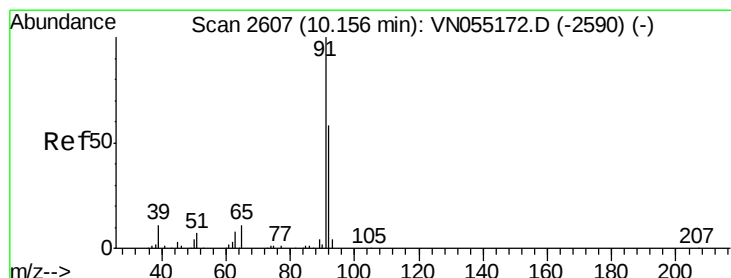
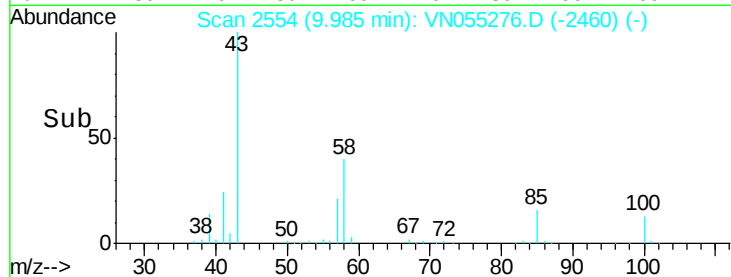
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.568 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055276.D

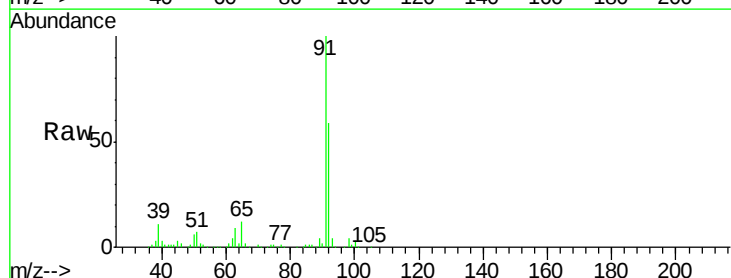
Acq: 26 Apr 2019 15:16

Tgt Ion: 92 Resp: 219480

Ion Ratio Lower Upper

92 100

91 174.9 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

200000

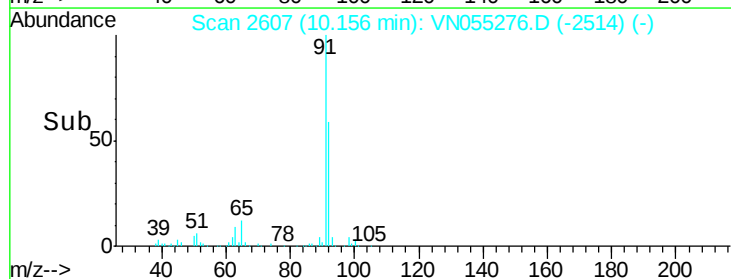
150000

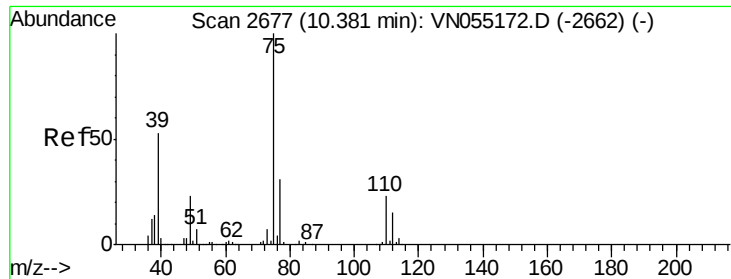
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.662 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

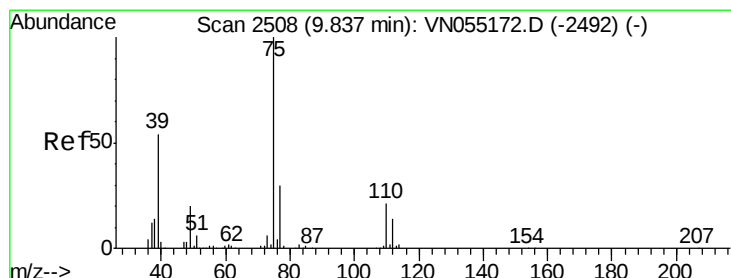
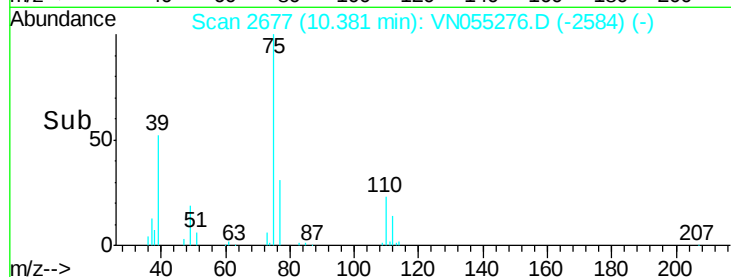
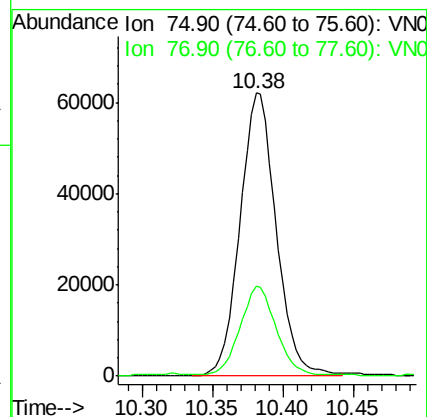
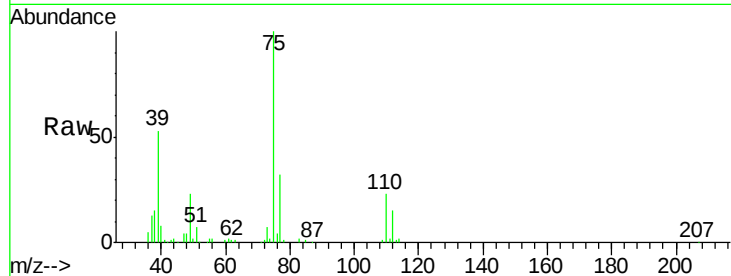
VN0427WBSD01

Tot Ion: 75 Resp: 111652

Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 20.674 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

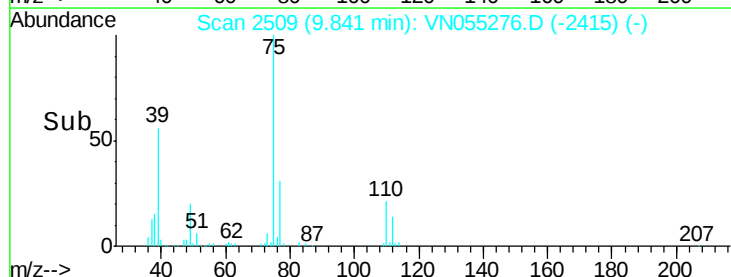
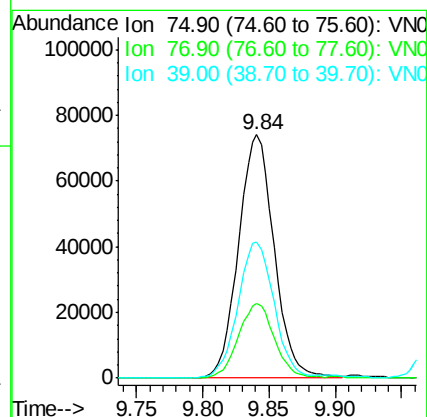
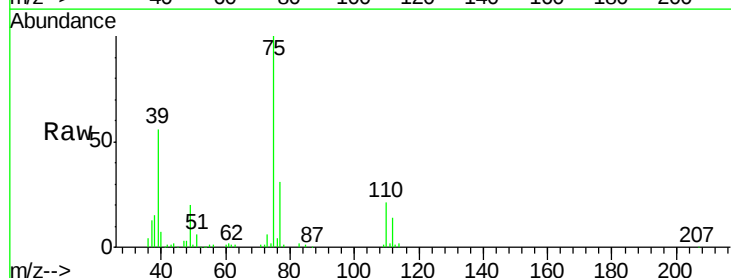
Tgt Ion: 75 Resp: 138636

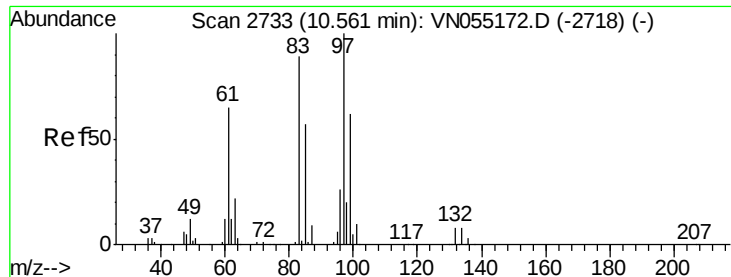
Ion Ratio Lower Upper

75 100

77 30.6 24.3 36.5

39 55.7 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 21.404 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

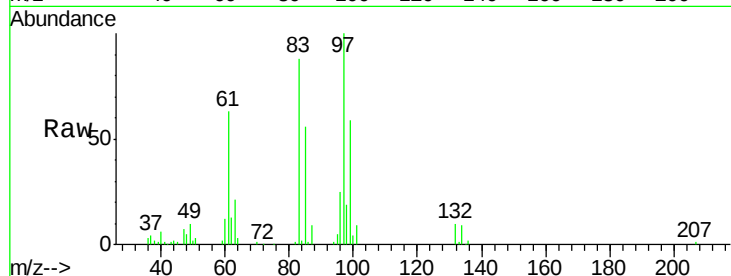
MSVOA_N

ClientSampled :

VN0427WBSD01

Tot Ion: 97 Resp: 84207

Ion	Ratio	Lower	Upper
97	100		
83	88.1	71.5	107.3
85	55.5	45.8	68.6
99	58.7	49.9	74.9

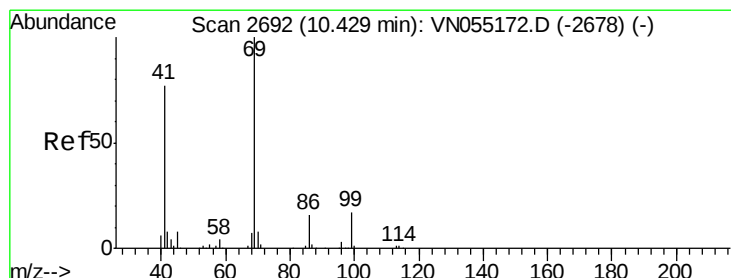
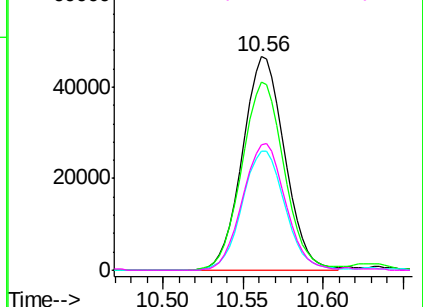
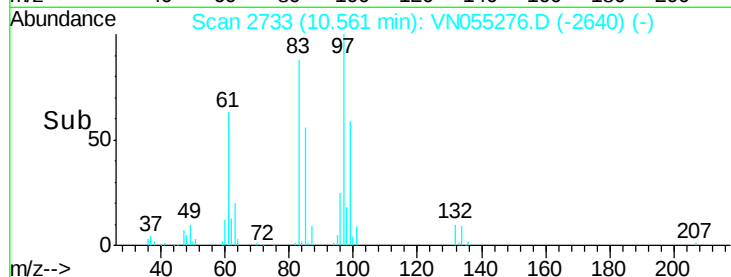


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.982 ug/l

RT: 10.43 min Scan# 2692

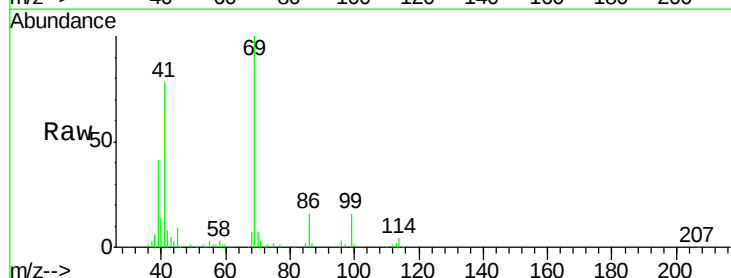
Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Tgt Ion: 69 Resp: 107734

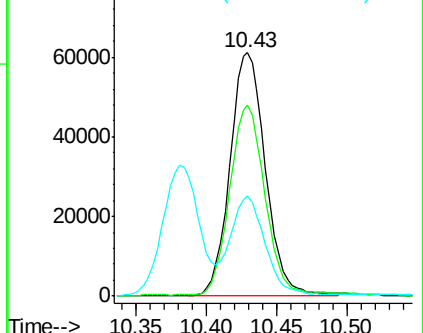
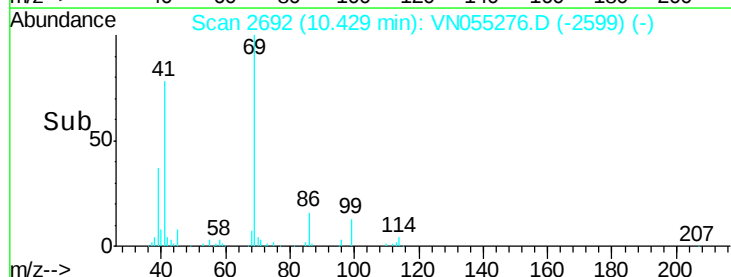
Ion	Ratio	Lower	Upper
69	100		
41	77.1	60.6	90.8
39	39.4	31.7	47.5

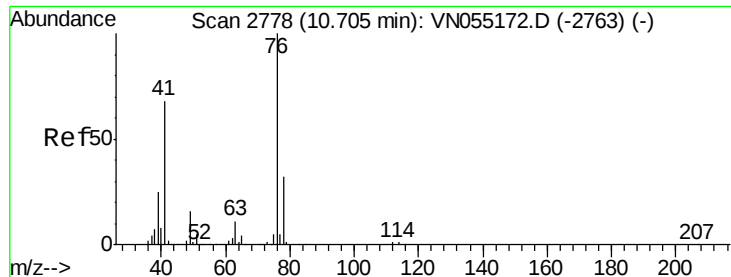


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.460 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

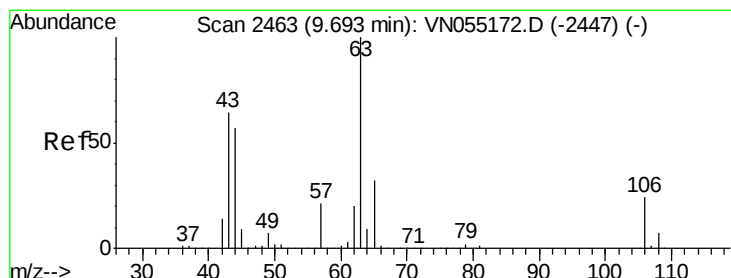
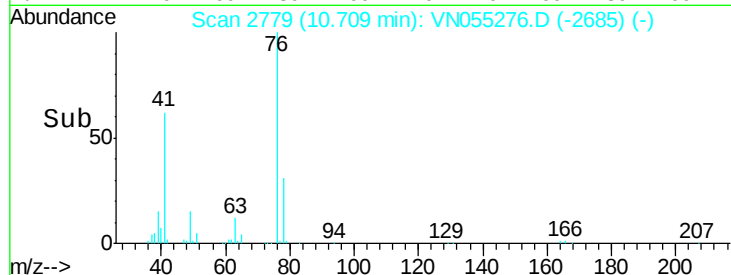
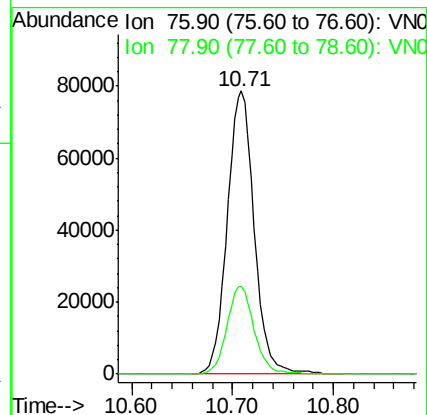
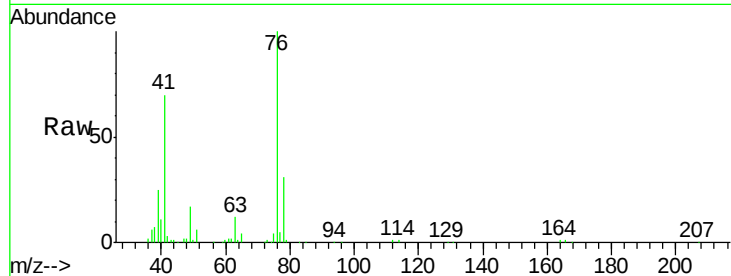
VN0427WBSD01

Tot Ion: 76 Resp: 146892

Ion Ratio Lower Upper

76 100

78 31.4 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 80.204 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055276.D

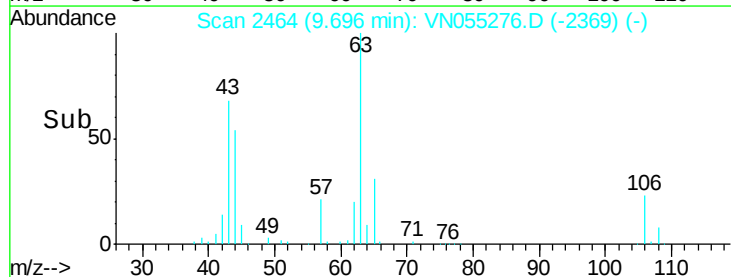
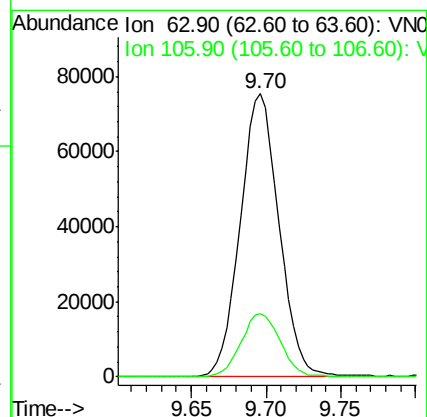
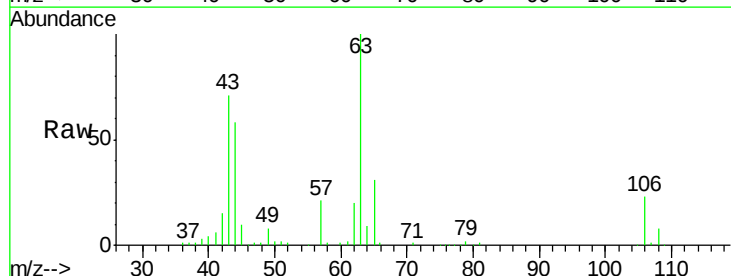
Acq: 26 Apr 2019 15:16

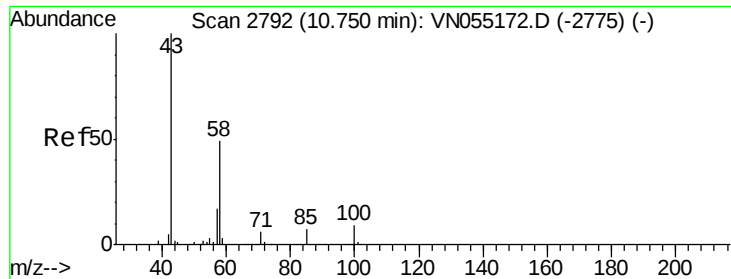
Tgt Ion: 63 Resp: 136307

Ion Ratio Lower Upper

63 100

106 22.7 19.4 29.0

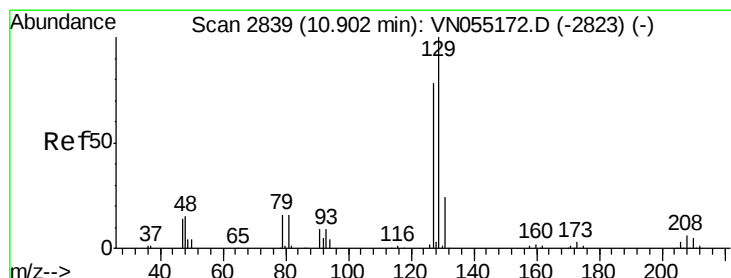
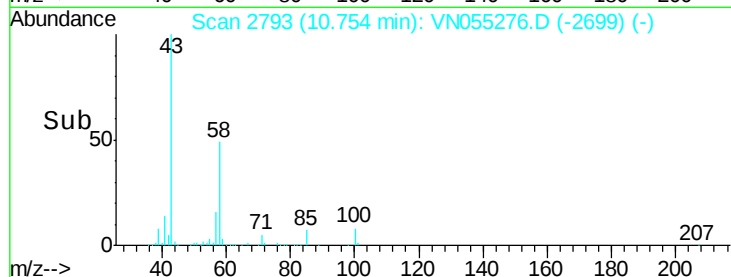
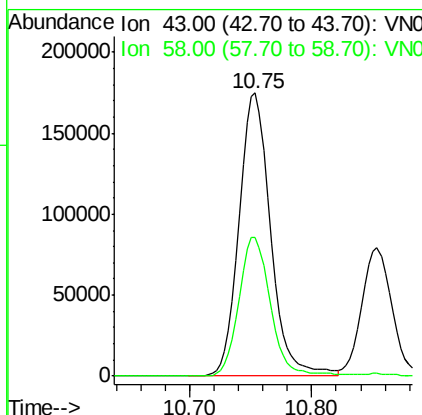
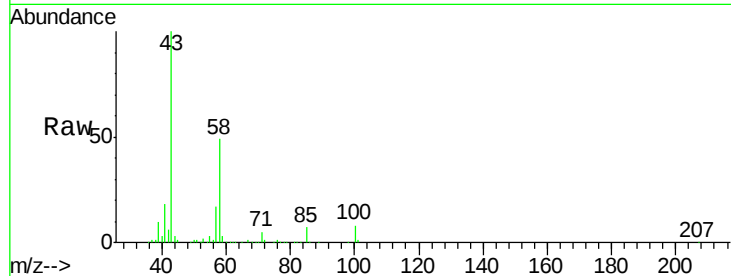




#59
2-Hexanone
Concen: 110.777 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

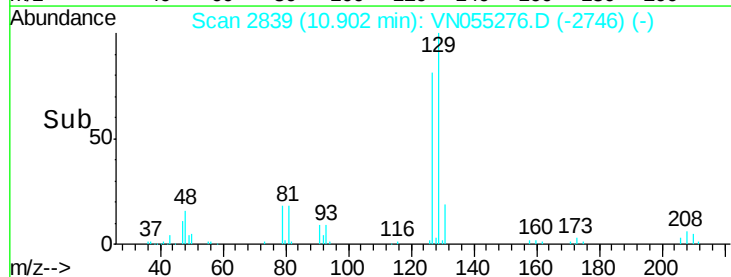
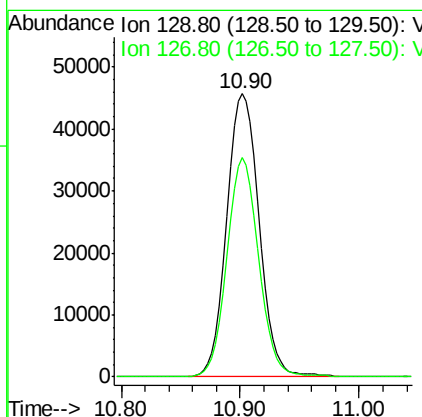
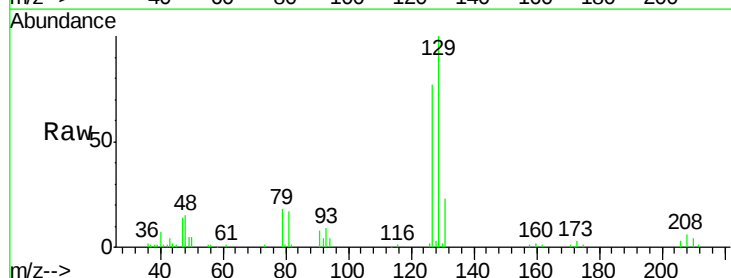
Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

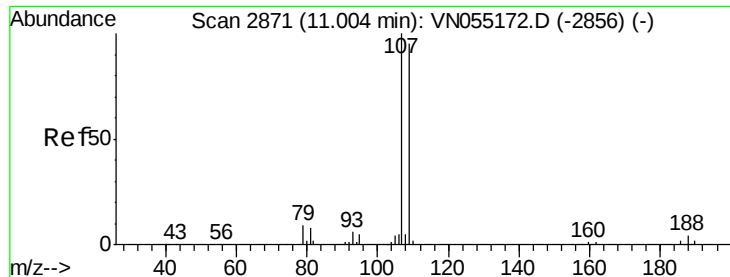
Tot Ion: 43 Resp: 310282
Ion Ratio Lower Upper
43 100
58 49.5 24.5 73.5



#60
Dibromochloromethane
Concen: 21.364 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion: 129 Resp: 86572
Ion Ratio Lower Upper
129 100
127 75.5 39.0 117.0





#61

1,2-Dibromoethane

Concen: 21.212 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

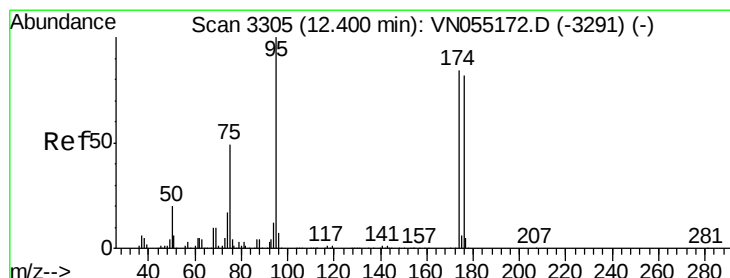
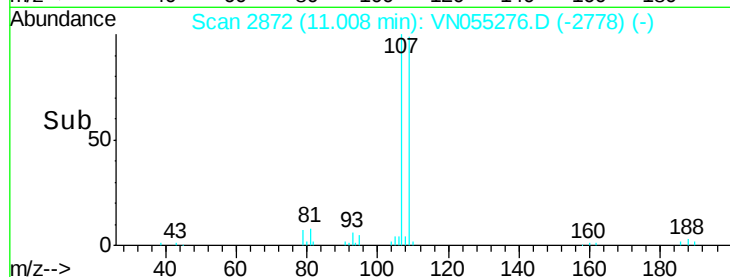
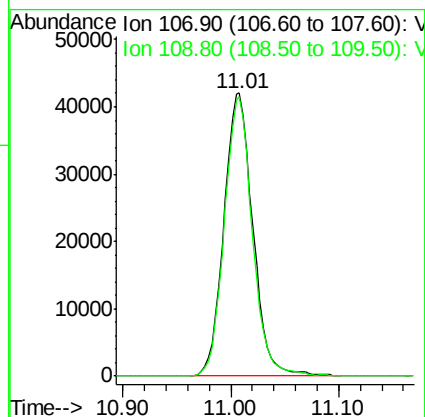
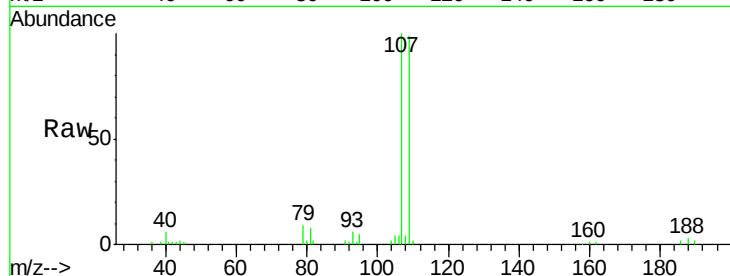
VN0427WBSD01

Tot Ion:107 Resp: 78461

Ion Ratio Lower Upper

107 100

109 95.5 75.8 113.6



#62

4-Bromofluorobenzene

Concen: 47.958 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

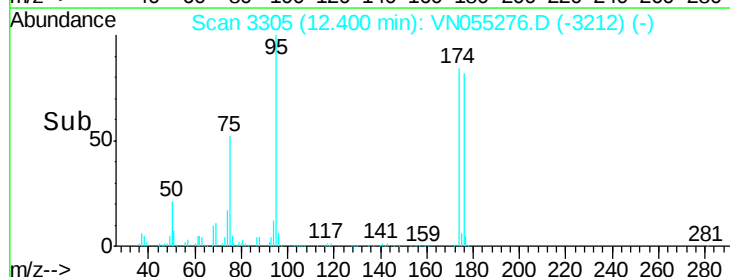
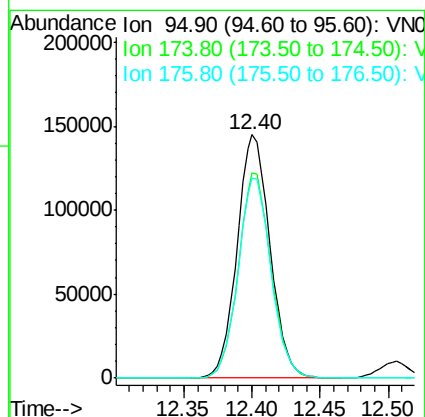
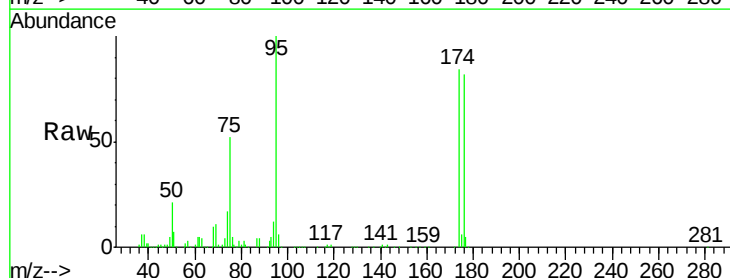
Tgt Ion: 95 Resp: 242864

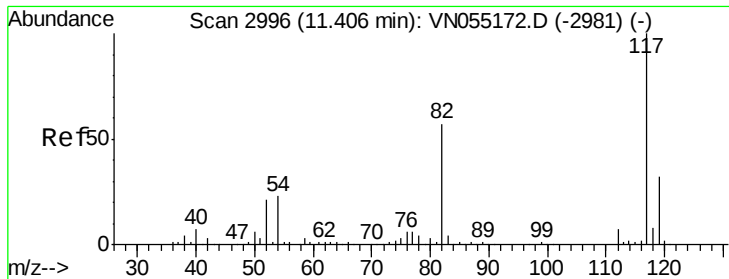
Ion Ratio Lower Upper

95 100

174 83.4 0.0 168.4

176 82.1 0.0 164.0

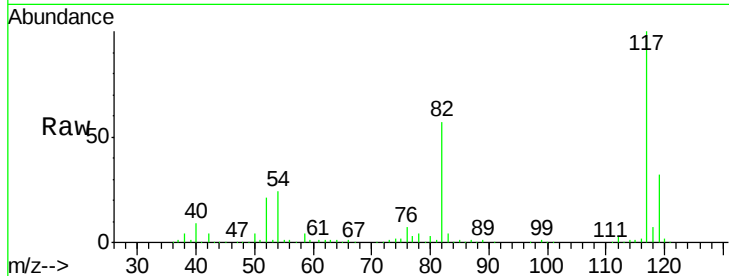




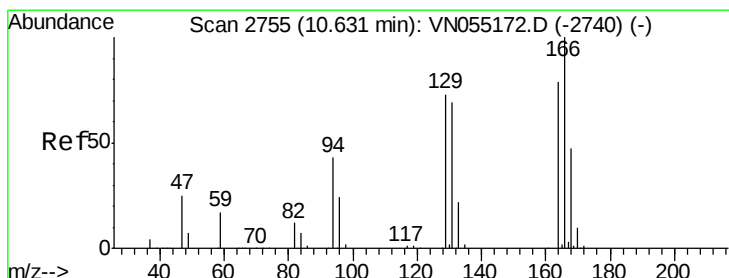
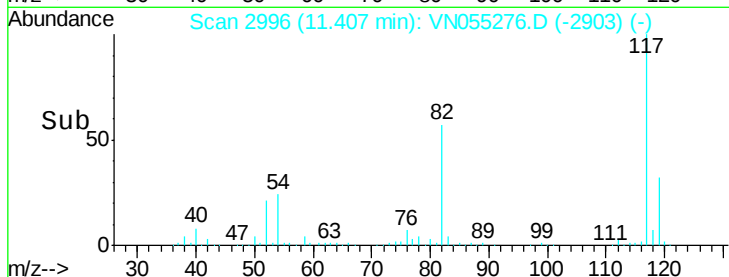
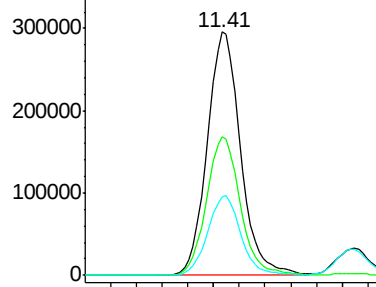
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

Tot Ion:117 Resp: 531611
Ion Ratio Lower Upper
117 100
82 57.0 45.7 68.5
119 32.5 25.4 38.2

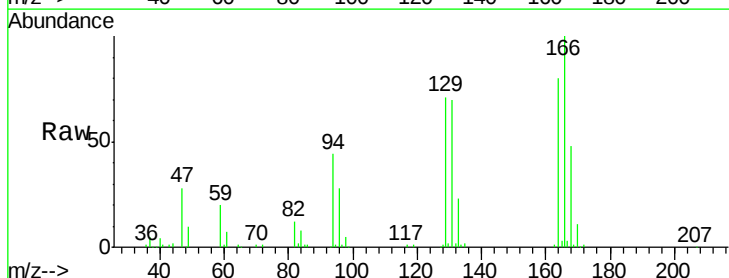


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

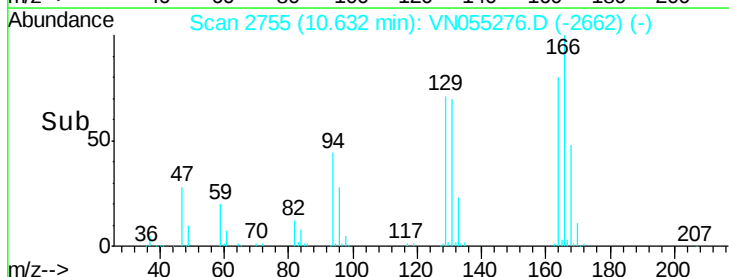
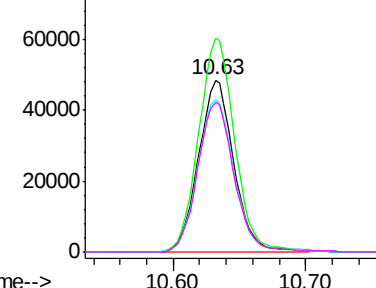


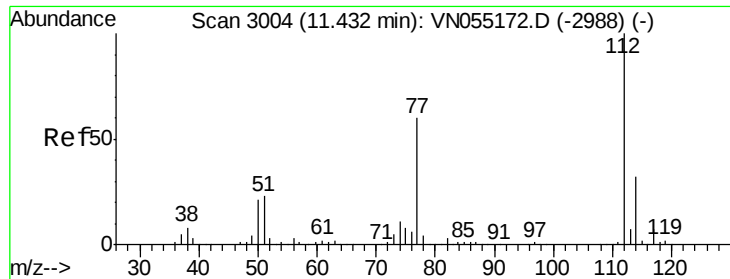
#64
Tetrachloroethene
Concen: 20.637 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion:164 Resp: 89499
Ion Ratio Lower Upper
164 100
166 124.3 101.9 152.9
129 88.7 74.1 111.1
131 86.9 70.6 106.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

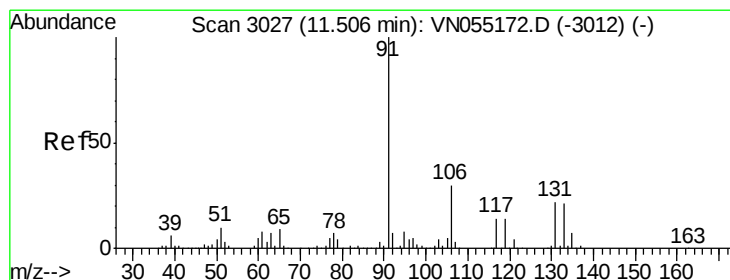
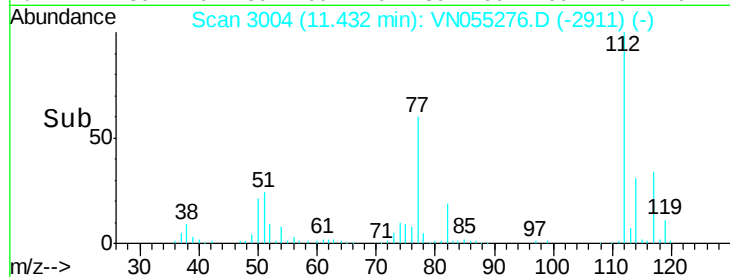
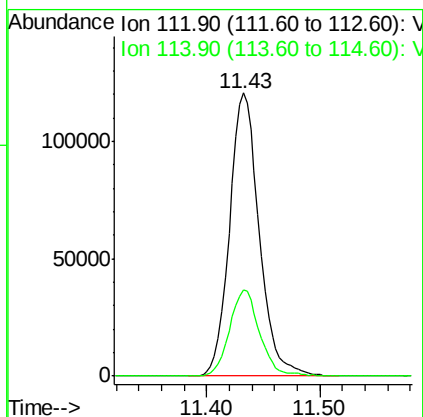
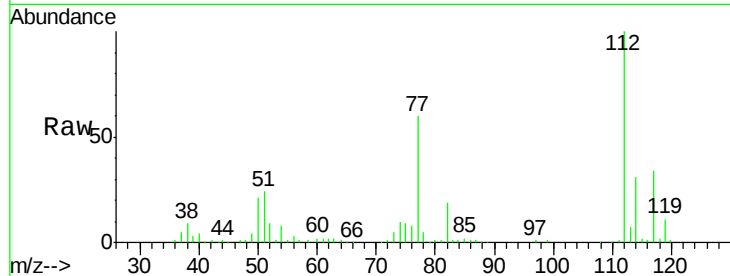




#65
Chlorobenzene
Concen: 20.273 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

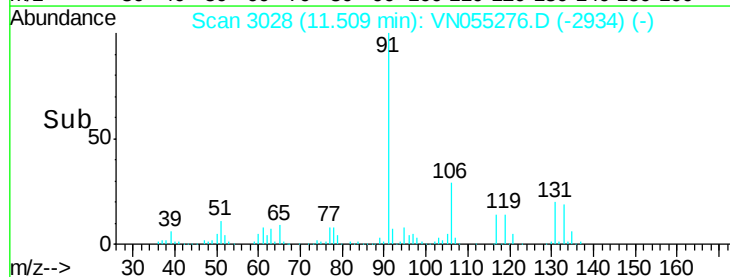
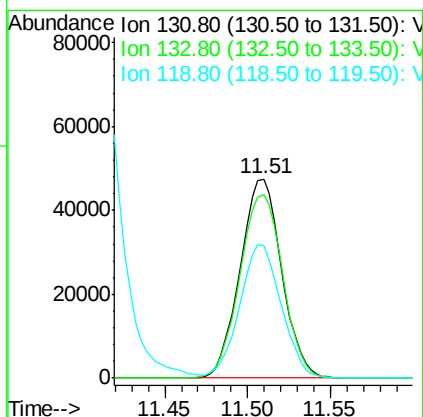
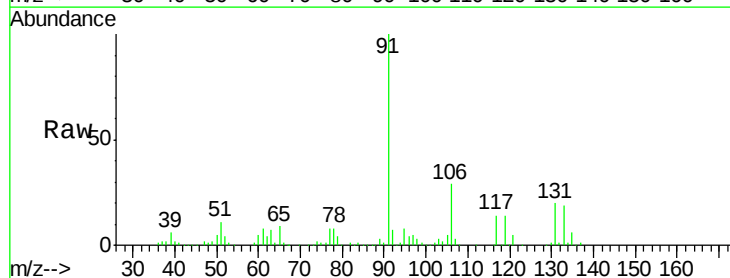
Instrument :
MSVOA_N
ClientSampled :
VN0427WBSD01

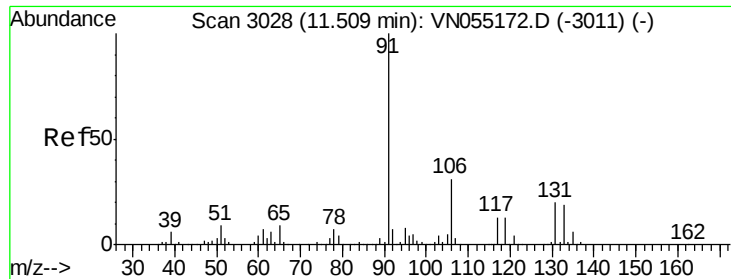
Tot Ion:112 Resp: 219974
Ion Ratio Lower Upper
112 100
114 30.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.566 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion:131 Resp: 82710
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 67.2 33.2 99.6

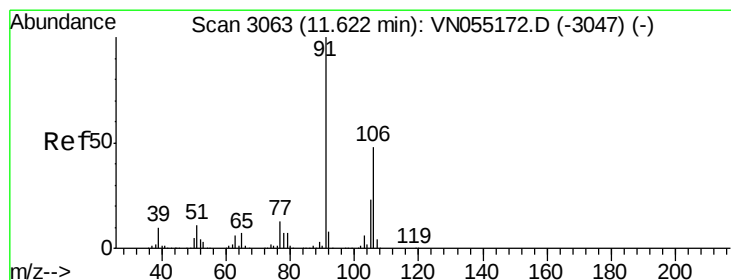
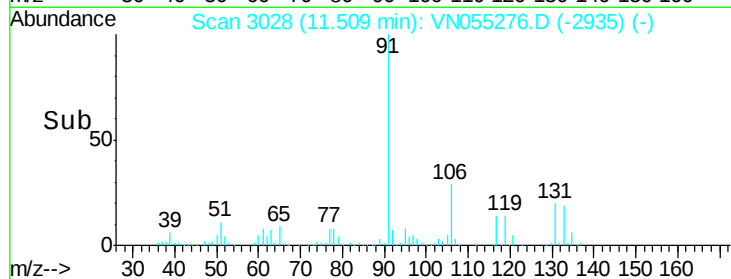
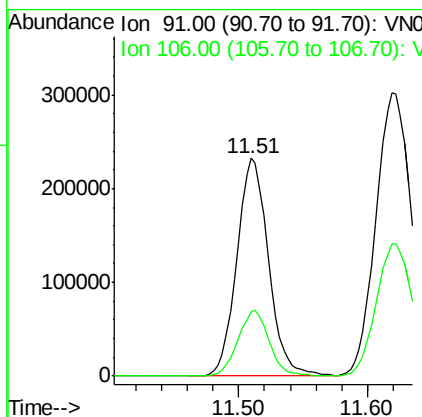
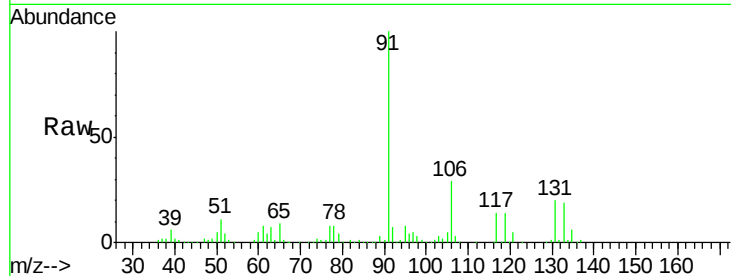




#67
Ethyl Benzene
Concen: 20.556 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

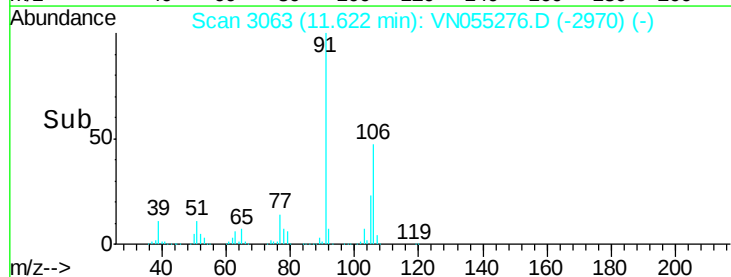
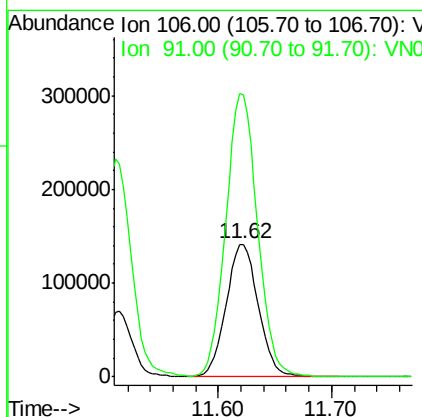
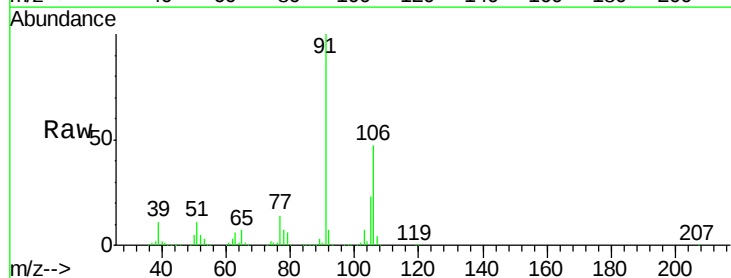
Instrument :
MSVOA_N
ClientSampled :
VN0427WBSD01

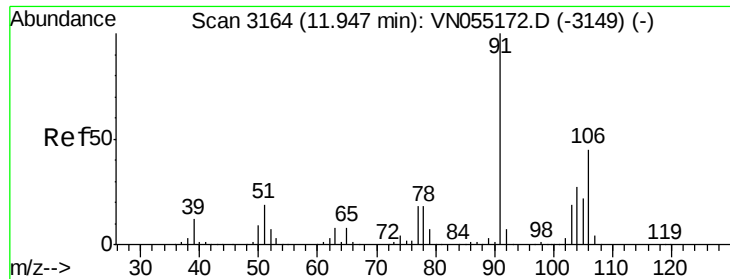
Tot Ion: 91 Resp: 397319
Ion Ratio Lower Upper
91 100
106 29.5 24.5 36.7



#68
m/p-Xylenes
Concen: 40.427 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion: 106 Resp: 280258
Ion Ratio Lower Upper
106 100
91 210.3 167.1 250.7

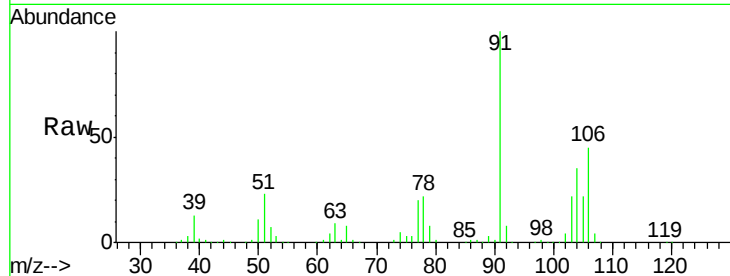




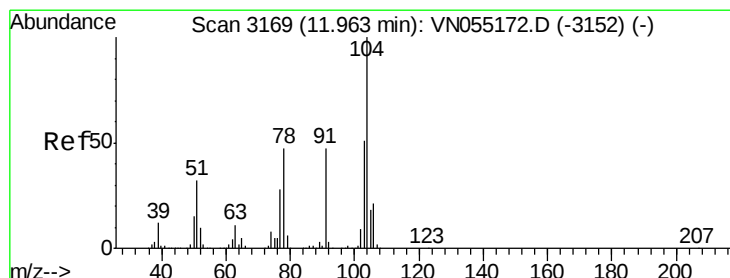
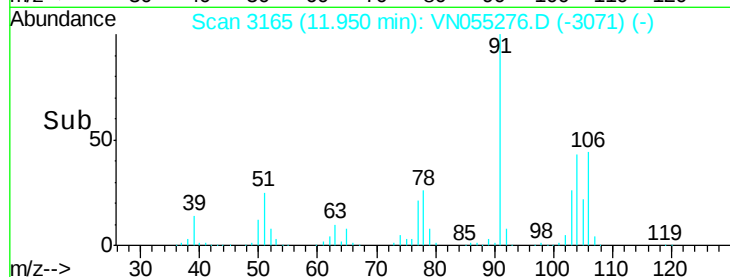
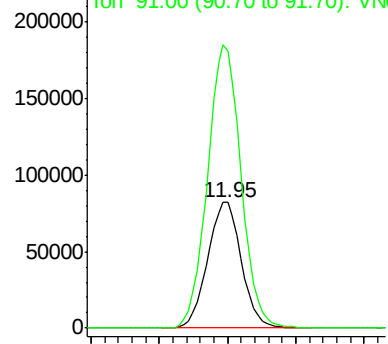
#69
o-Xylene
Concen: 20.458 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

Tot Ion:106 Resp: 140744
Ion Ratio Lower Upper
106 100
91 223.2 110.6 331.8

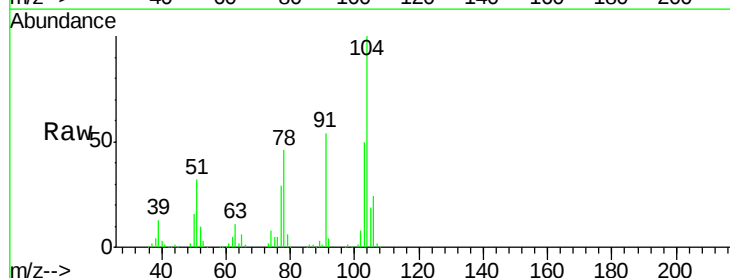


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

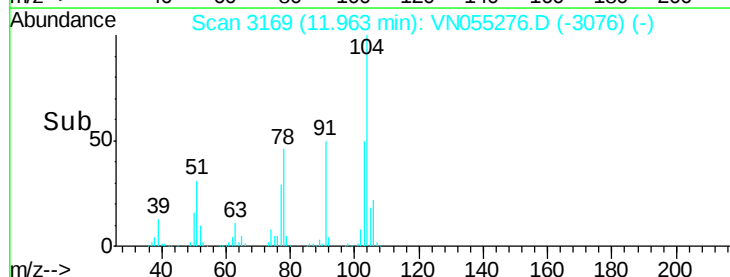
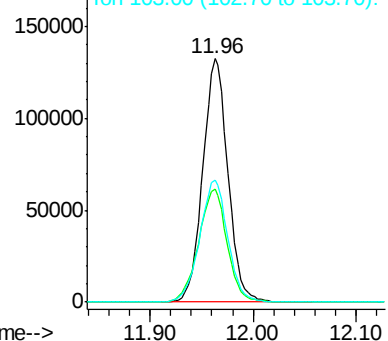


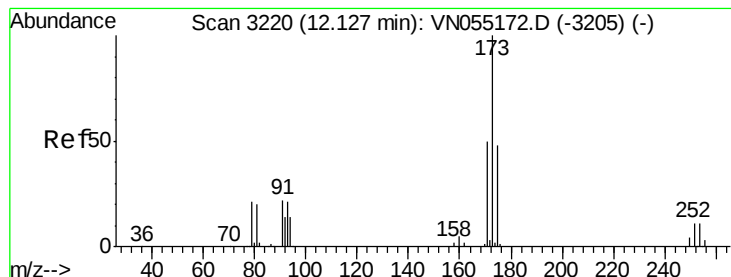
#70
Styrene
Concen: 21.119 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion:104 Resp: 225216
Ion Ratio Lower Upper
104 100
78 52.4 41.3 61.9
103 55.7 44.2 66.4



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





#71

Bromoform

Concen: 21.278 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampled :

VN0427WBSD01

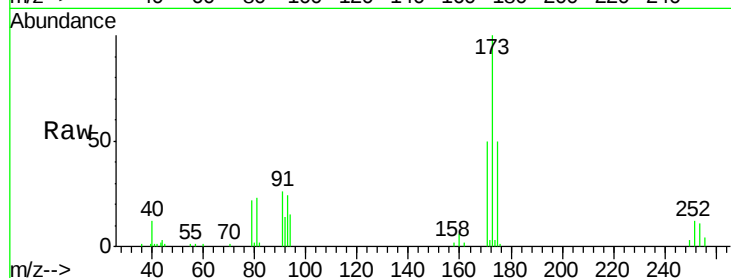
Tot Ion:173 Resp: 51064

Ion Ratio Lower Upper

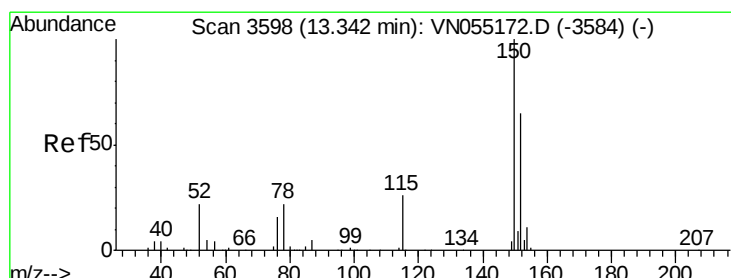
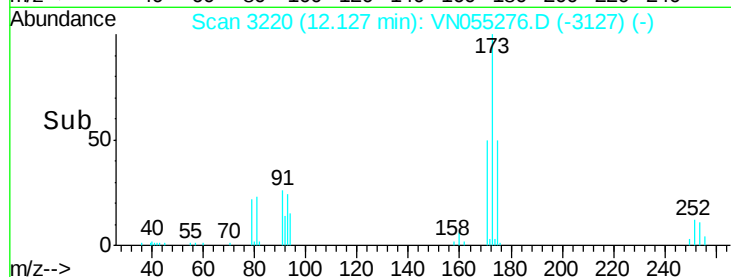
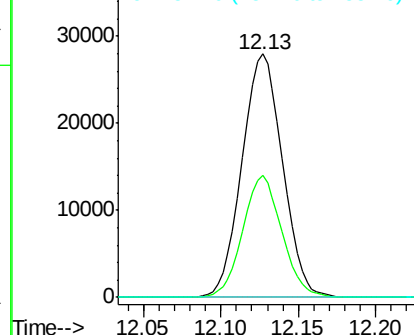
173 100

175 48.1 23.8 71.2

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

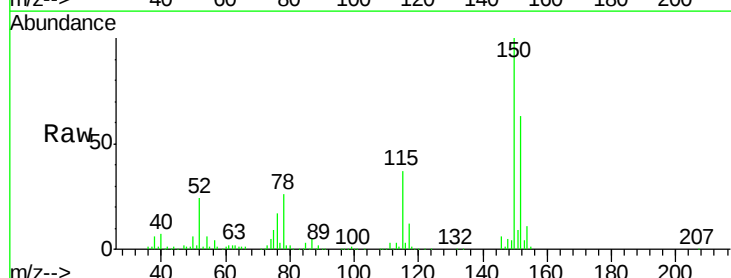
Tgt Ion:152 Resp: 193013

Ion Ratio Lower Upper

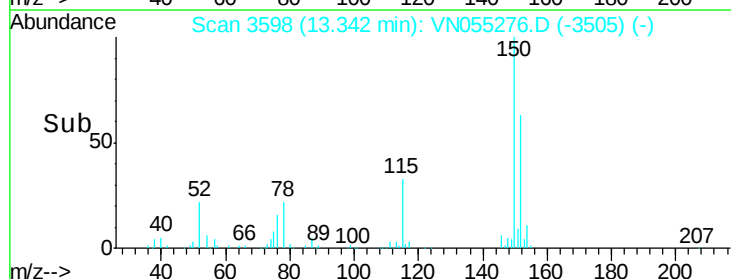
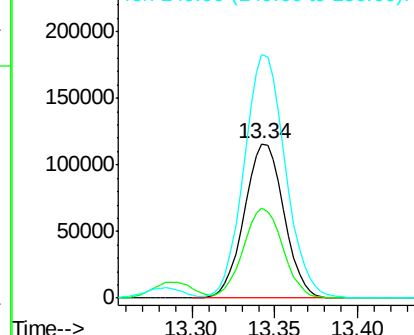
152 100

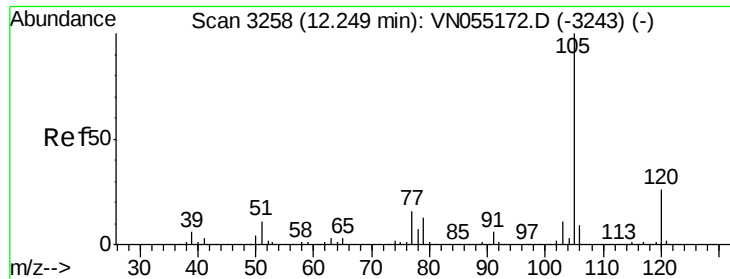
115 58.5 28.9 86.7

150 164.6 0.0 346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.445 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

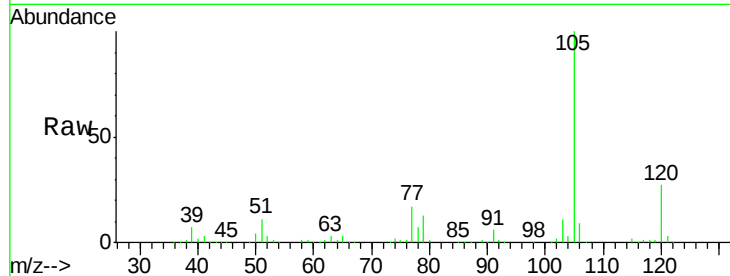
VN0427WBSD01

Tot Ion:105 Resp: 367375

Ion Ratio Lower Upper

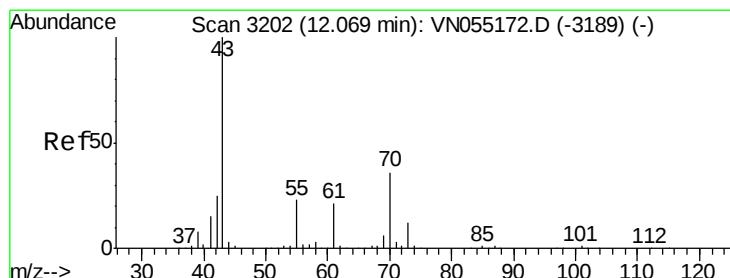
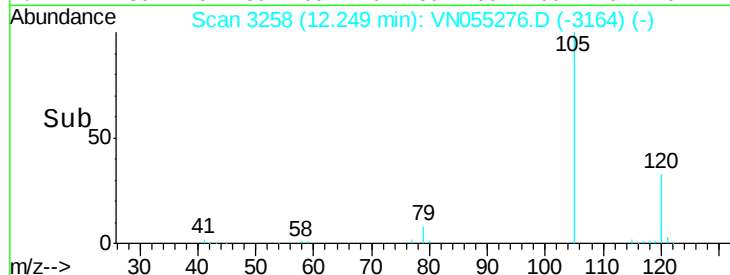
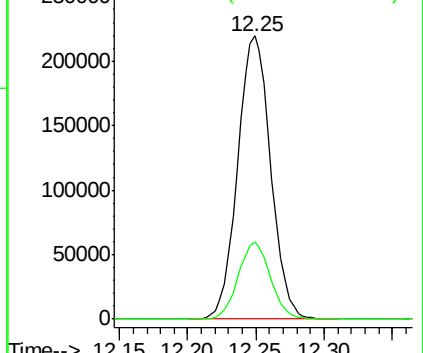
105 100

120 26.7 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.438 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Tgt Ion: 43 Resp: 111659

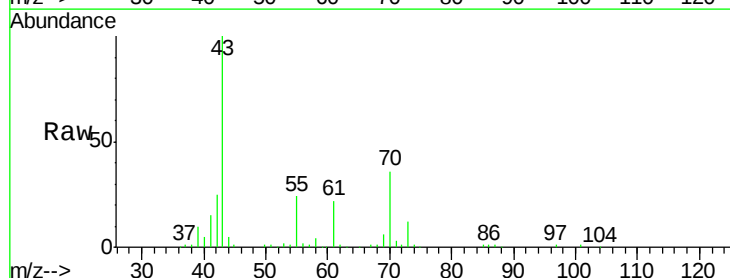
Ion Ratio Lower Upper

43 100

70 36.0 29.0 43.6

55 25.0 18.5 27.7

61 21.7 17.0 25.4

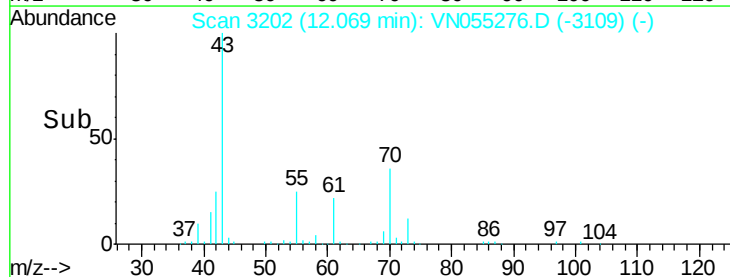
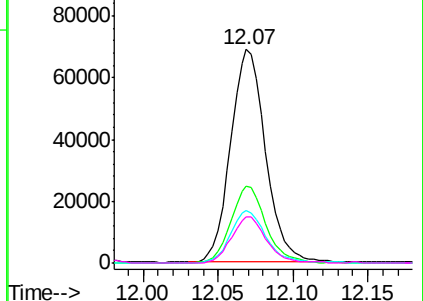


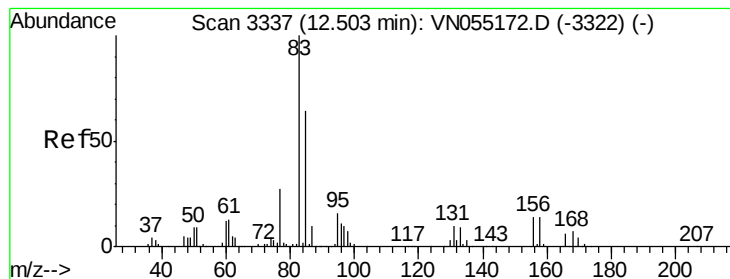
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 25.346 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

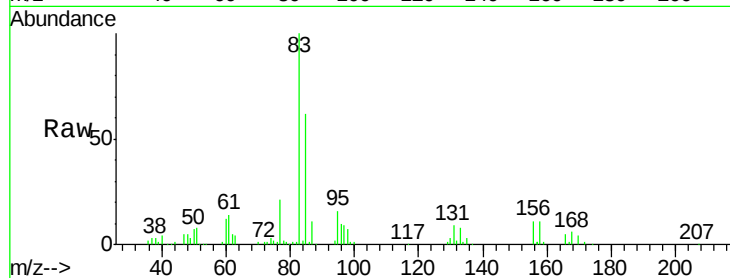
Tot Ion: 83 Resp: 104212

Ion Ratio Lower Upper

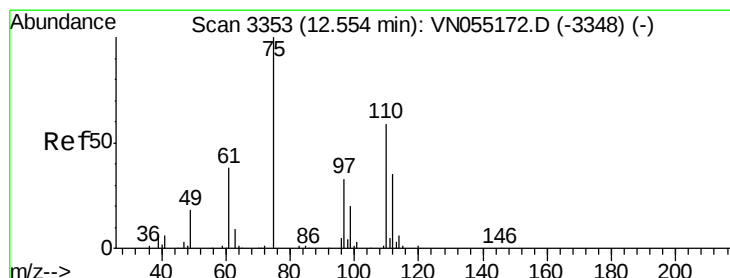
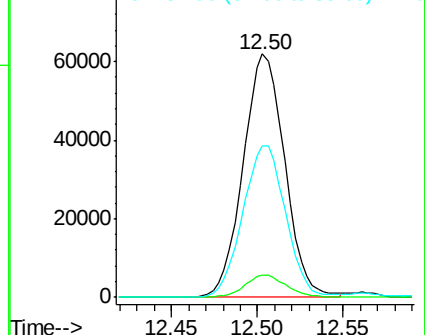
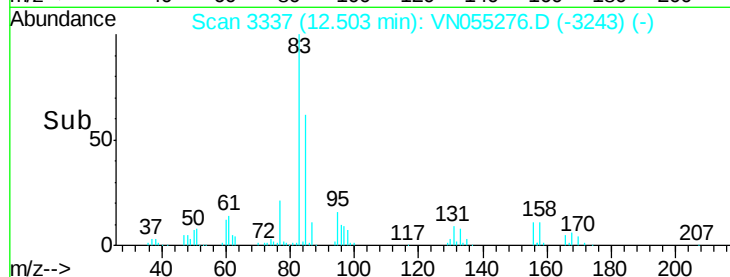
83 100

131 9.2 5.0 15.0

85 63.7 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN055276.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 29.555 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055276.D

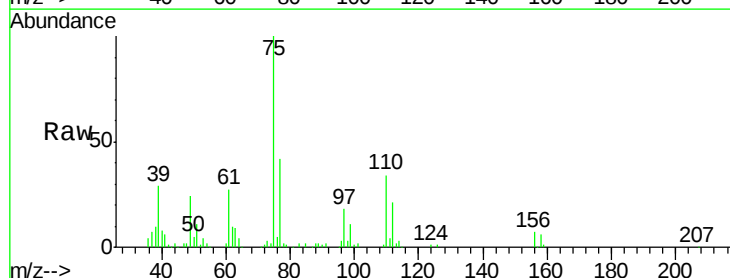
Acq: 26 Apr 2019 15:16

Tgt Ion: 75 Resp: 115728

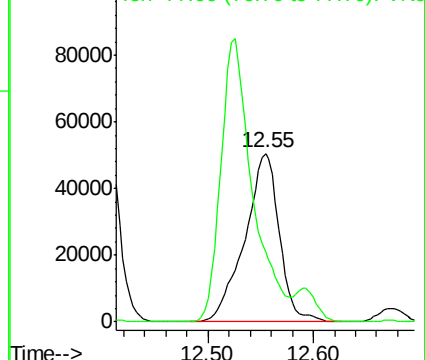
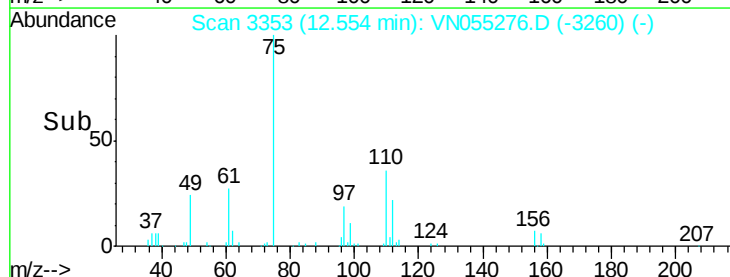
Ion Ratio Lower Upper

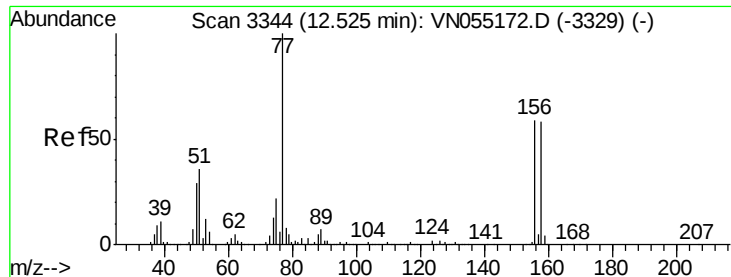
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055276.D (-3260) (-)





#77

Bromobenzene

Concen: 20.654 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

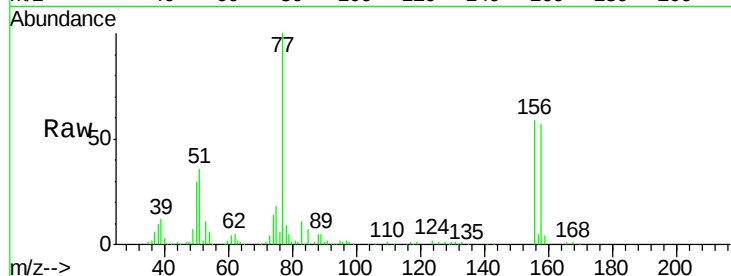
Tot Ion:156 Resp: 88008

Ion Ratio Lower Upper

156 100

77 201.6 98.0 293.9

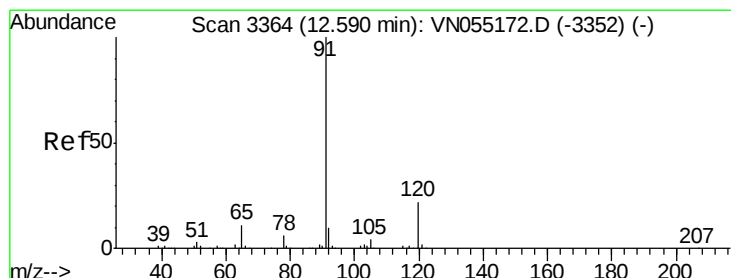
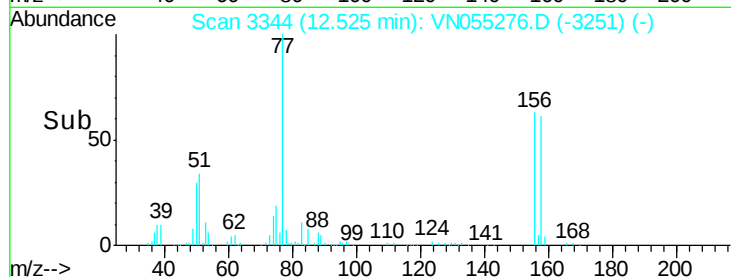
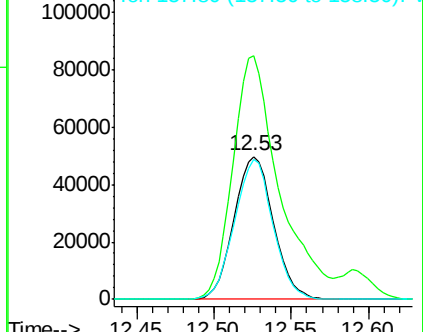
158 95.9 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.167 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055276.D

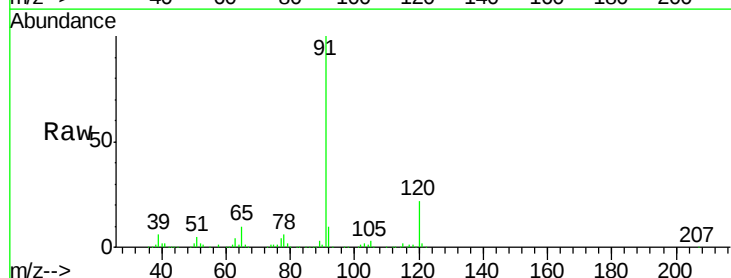
Acq: 26 Apr 2019 15:16

Tgt Ion: 91 Resp: 390364

Ion Ratio Lower Upper

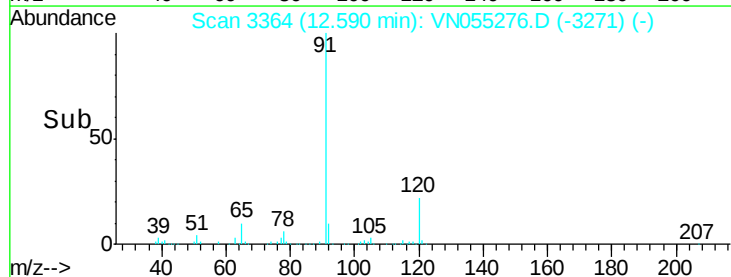
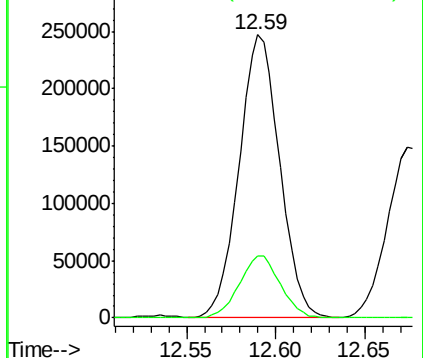
91 100

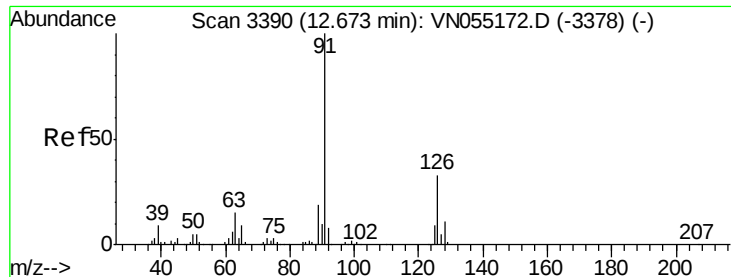
120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.416 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

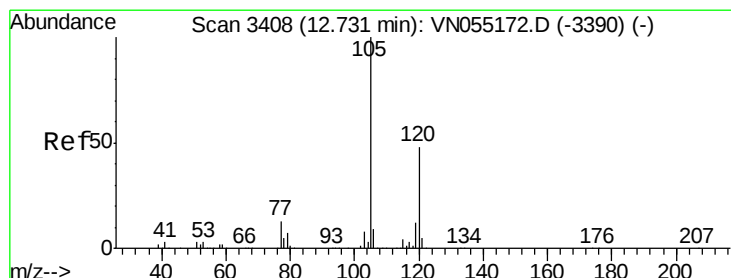
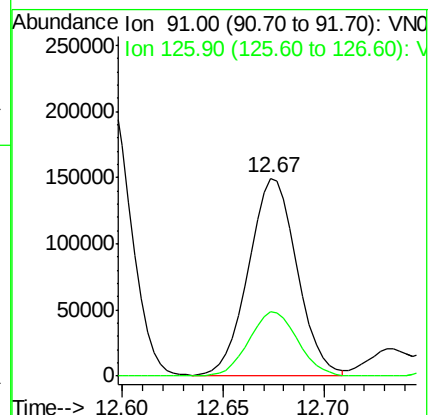
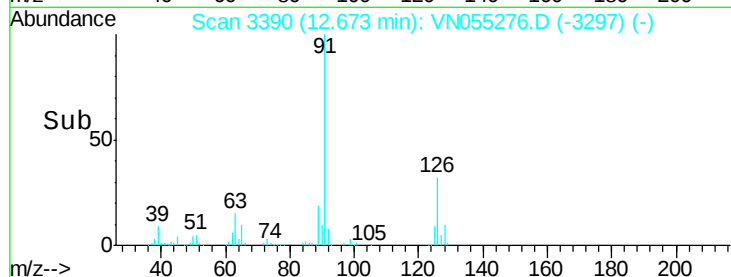
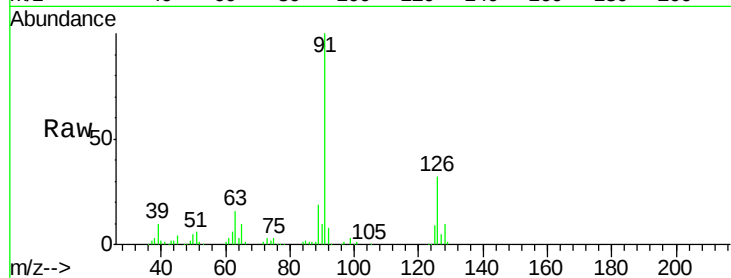
VN0427WBSD01

Tot Ion: 91 Resp: 249540

Ion Ratio Lower Upper

91 100

126 33.3 16.8 50.3



#80

1,3,5-Trimethylbenzene

Concen: 20.570 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055276.D

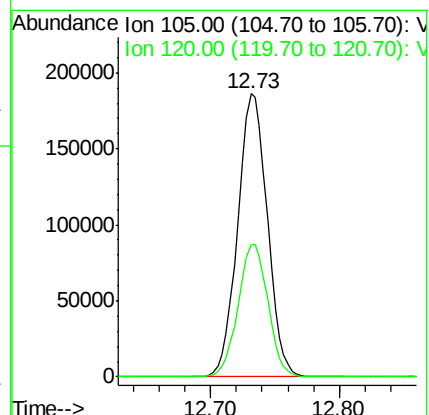
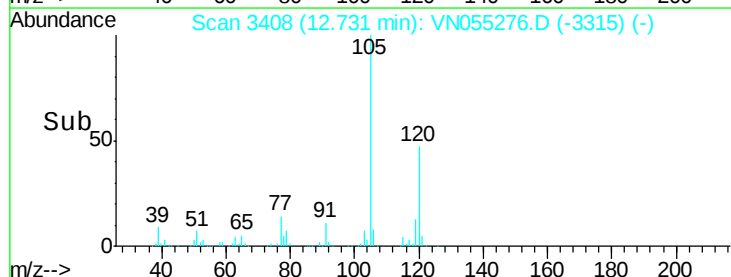
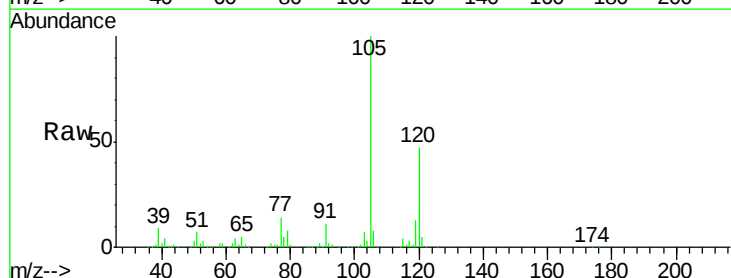
Acq: 26 Apr 2019 15:16

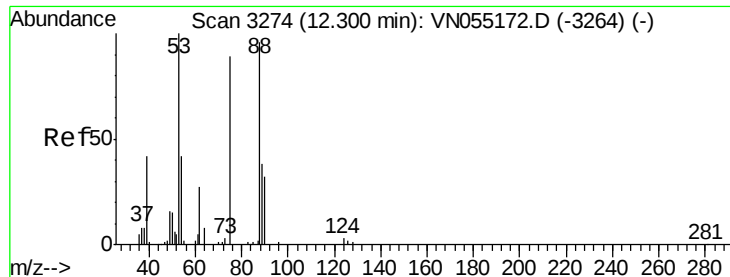
Tgt Ion: 105 Resp: 297212

Ion Ratio Lower Upper

105 100

120 47.2 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 21.447 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

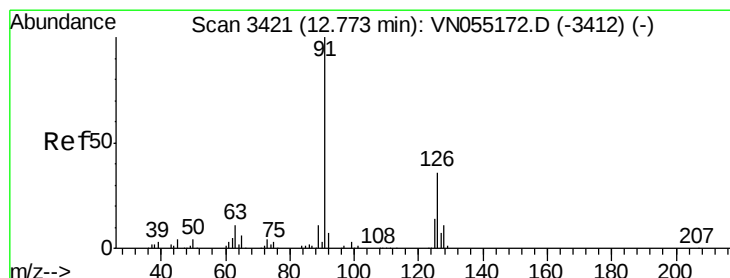
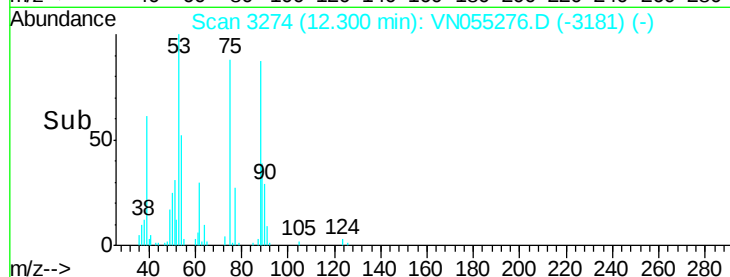
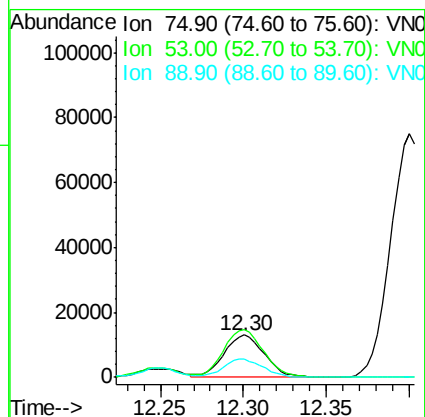
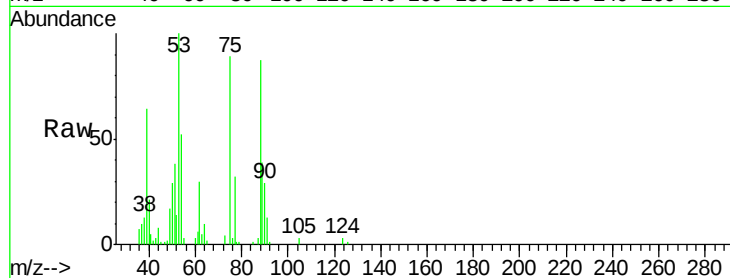
Tot Ion: 75 Resp: 22154

Ion	Ratio	Lower	Upper
75	100		
53	111.4	90.1	135.1
89	42.5	36.7	55.1

75 100

53 111.4 90.1 135.1

89 42.5 36.7 55.1



#82

4-Chlorotoluene

Concen: 20.086 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055276.D

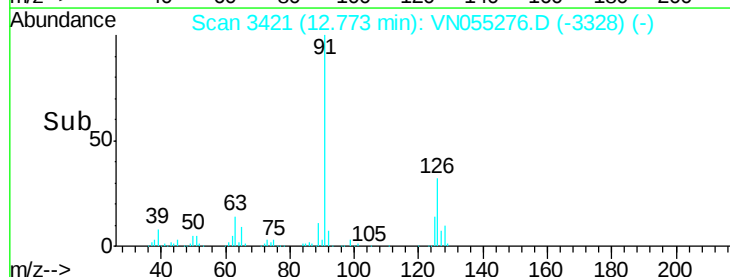
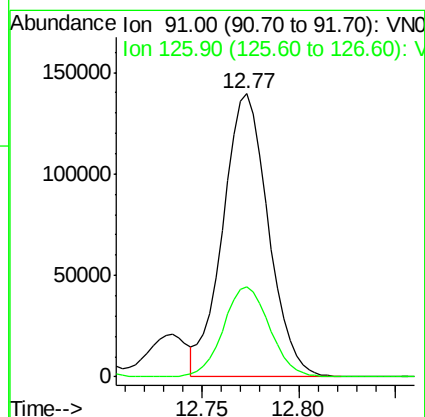
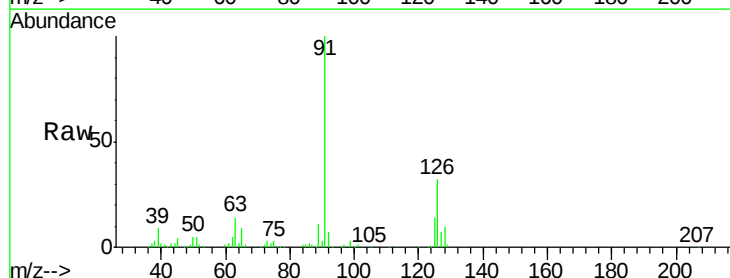
Acq: 26 Apr 2019 15:16

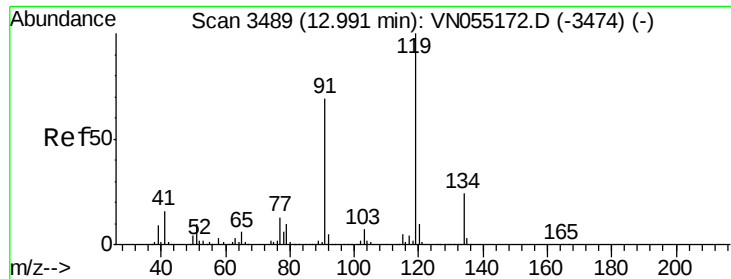
Tgt Ion: 91 Resp: 225883

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.5	49.5

91 100

126 32.7 16.5 49.5





#83

tert-Butylbenzene

Concen: 22.212 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

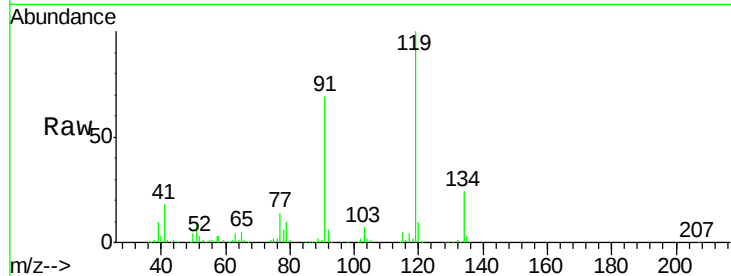
Tot Ion:119 Resp: 254426

Ion Ratio Lower Upper

119 100

91 67.5 33.8 101.3

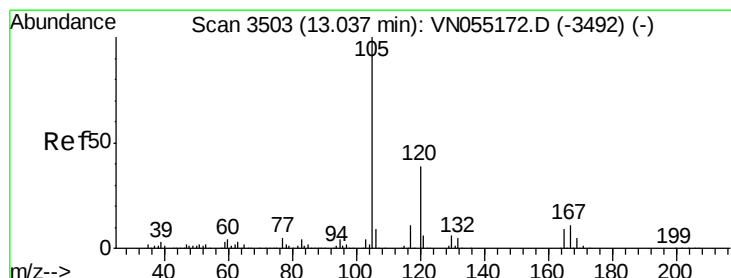
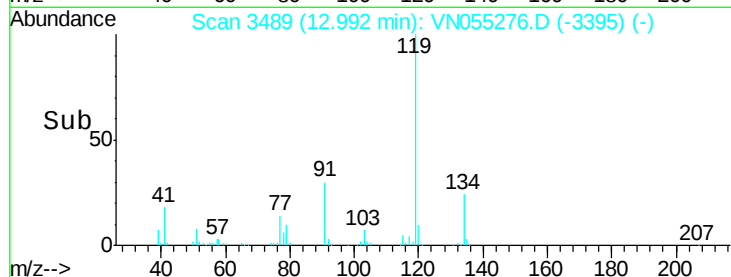
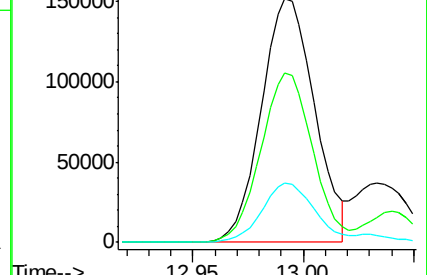
134 24.3 13.2 39.5



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



#84

1,2,4-Trimethylbenzene

Concen: 20.052 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055276.D

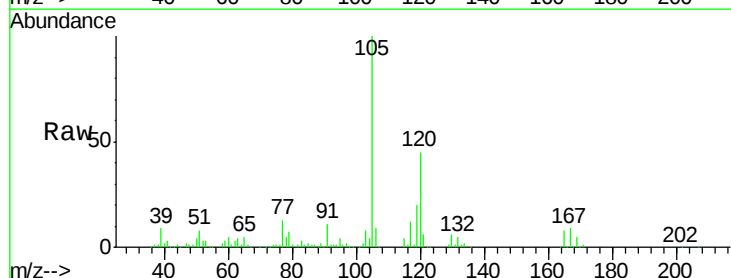
Acq: 26 Apr 2019 15:16

Tgt Ion:105 Resp: 273407

Ion Ratio Lower Upper

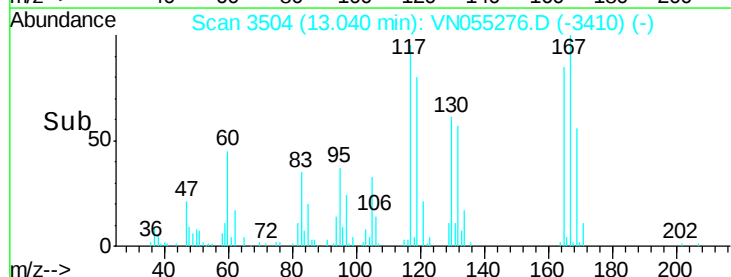
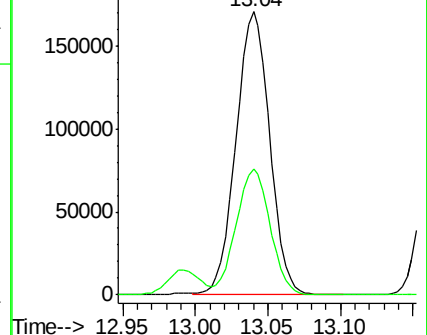
105 100

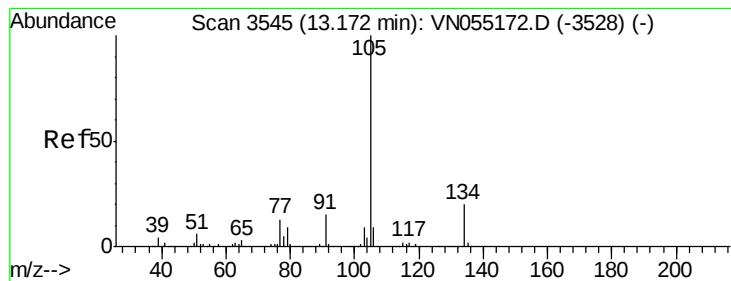
120 45.1 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.379 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

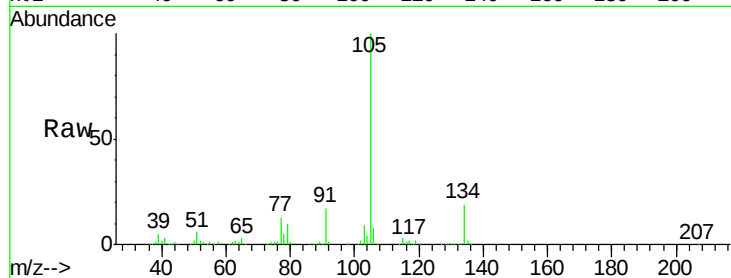
VN0427WBSD01

Tot Ion:105 Resp: 316777

Ion Ratio Lower Upper

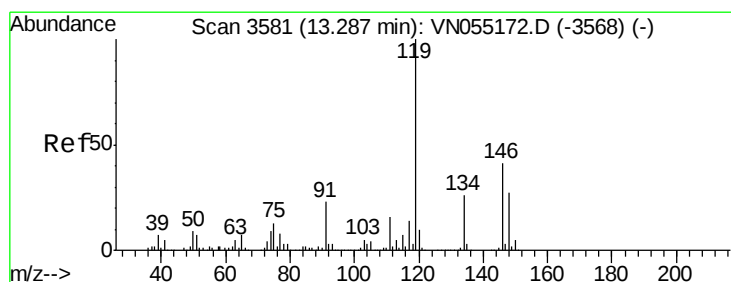
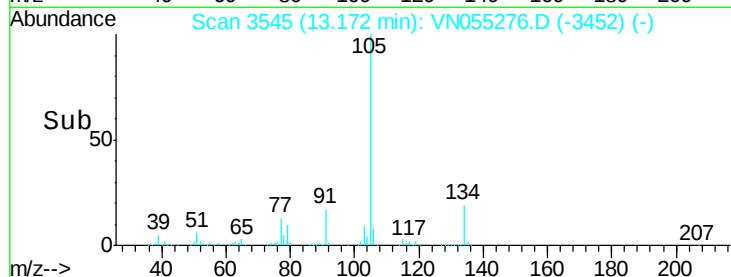
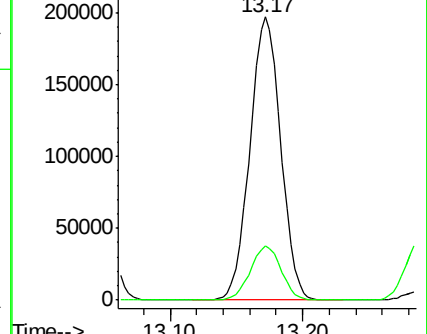
105 100

134 19.3 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.272 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

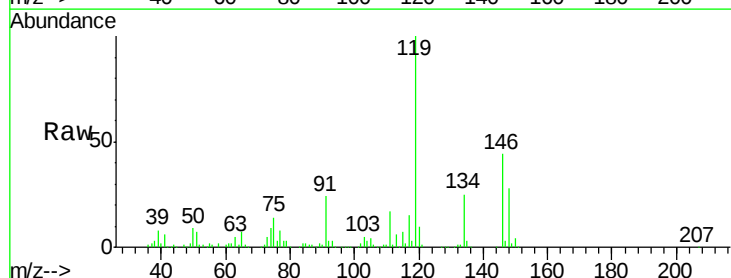
Tgt Ion:119 Resp: 259539

Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.3

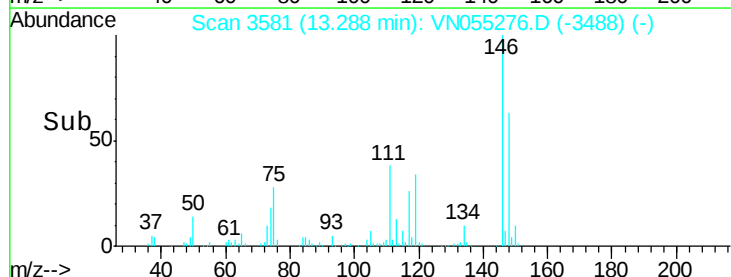
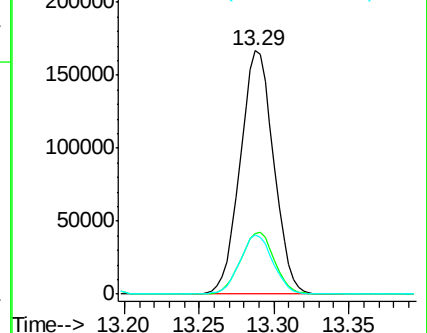
91 23.9 11.8 35.3

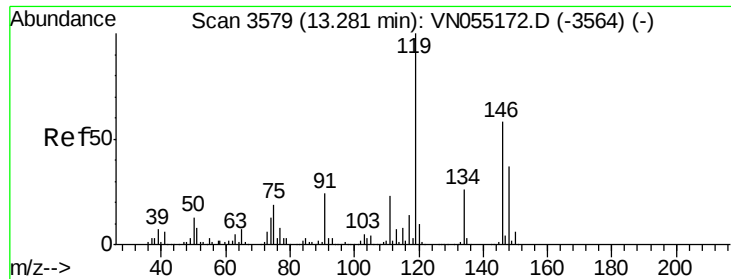


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

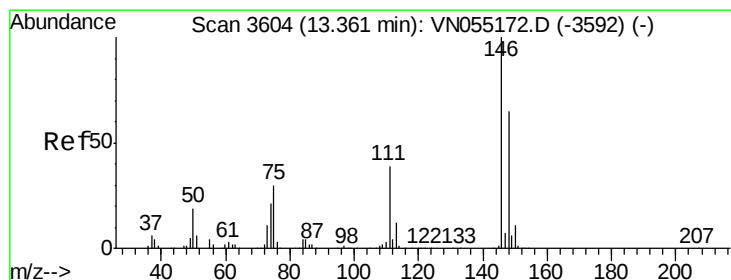
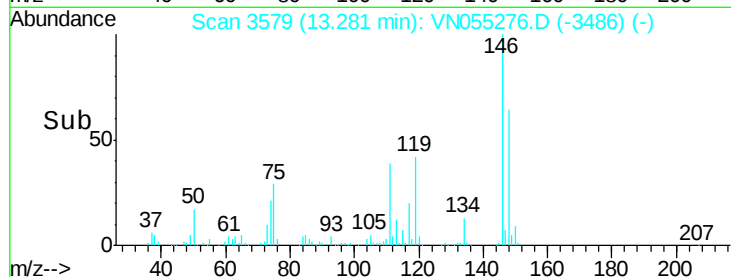
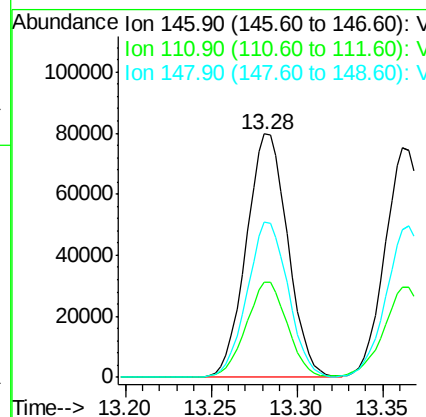
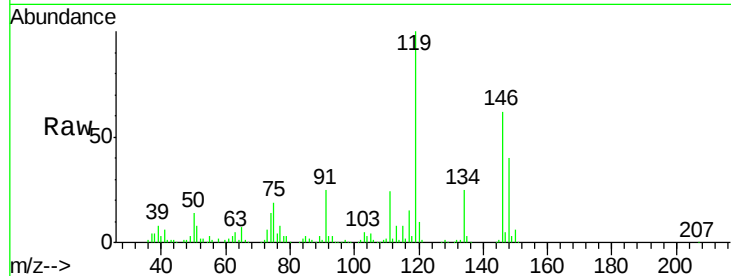




#87
 1,3-Dichlorobenzene
 Concen: 20.366 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

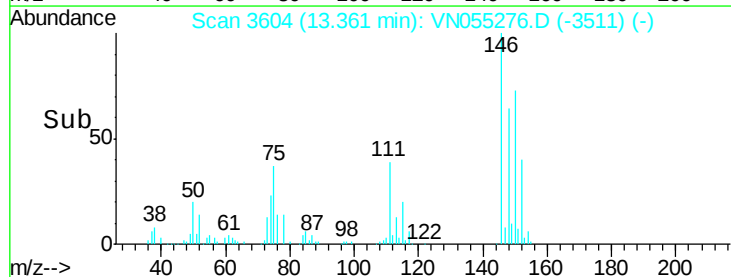
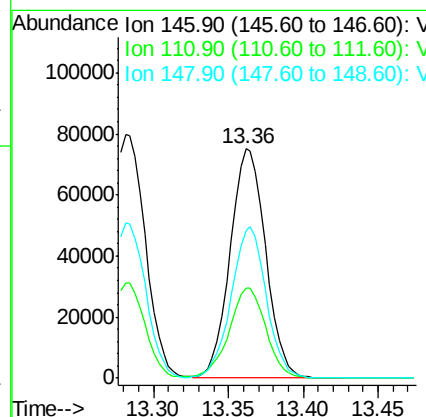
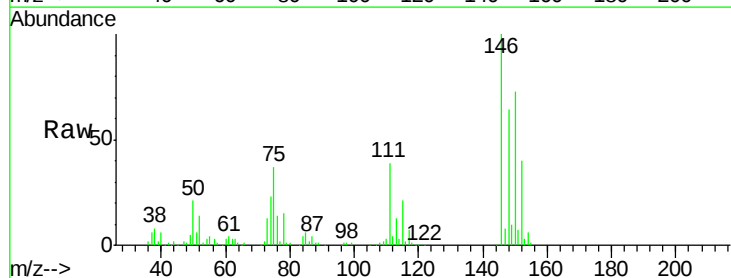
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBSD01

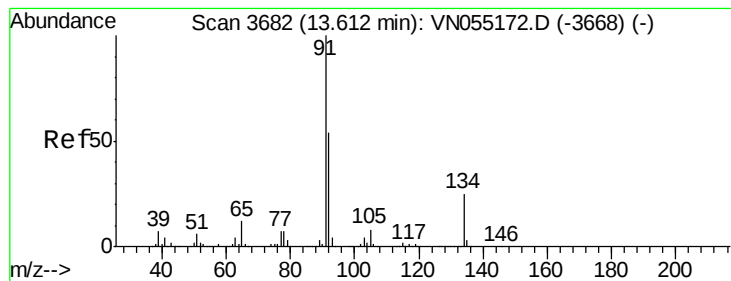
Tot Ion:146 Resp: 133219
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.7 59.1
 148 63.1 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 19.519 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Tgt Ion:146 Resp: 124302
 Ion Ratio Lower Upper
 146 100
 111 41.0 19.4 58.2
 148 65.3 32.9 98.6





#89

n-Butylbenzene

Concen: 17.655 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

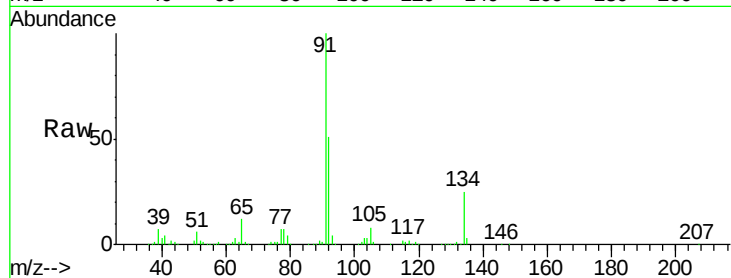
Tot Ion: 91 Resp: 176231

Ion Ratio Lower Upper

91 100

92 51.8 26.4 79.2

134 25.5 12.8 38.4

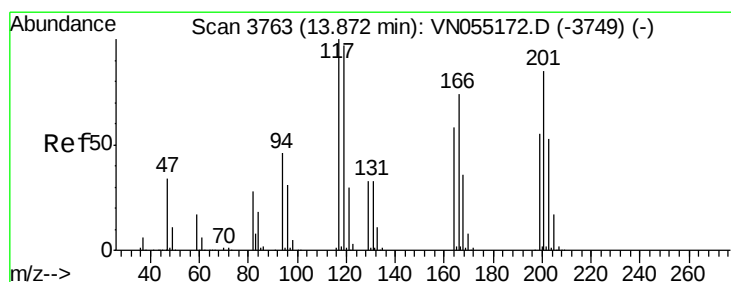
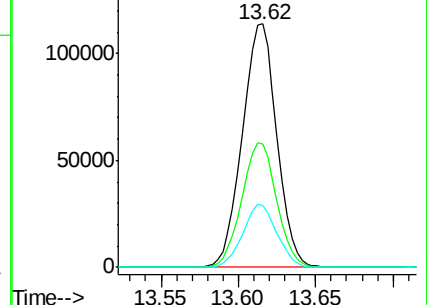
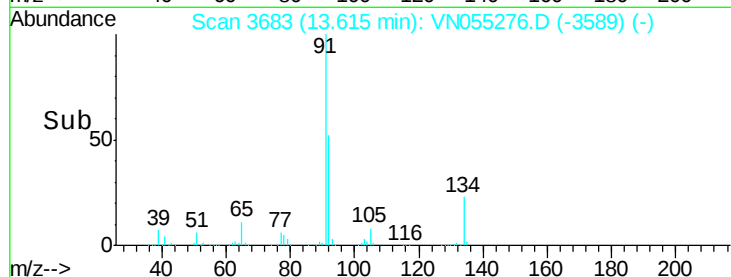


Abundance Ion 91.00 (90.70 to 91.70): VN055276.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN055276.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN055276.D (-3682) (-)

Time-->



#90

Hexachloroethane

Concen: 18.665 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055276.D

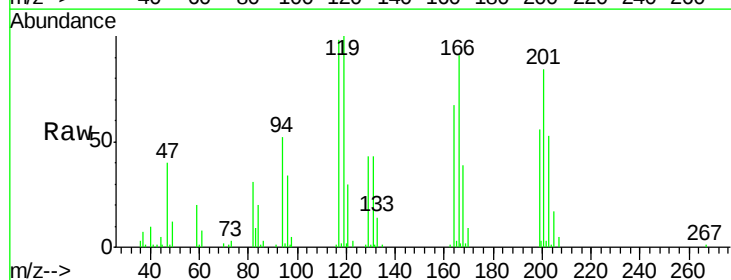
Acq: 26 Apr 2019 15:16

Tgt Ion: 117 Resp: 44581

Ion Ratio Lower Upper

117 100

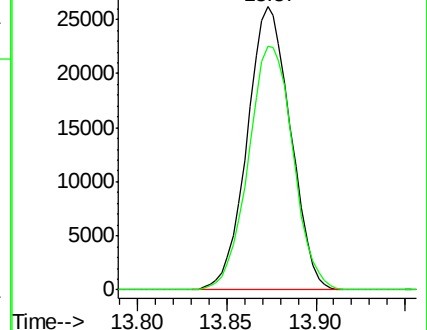
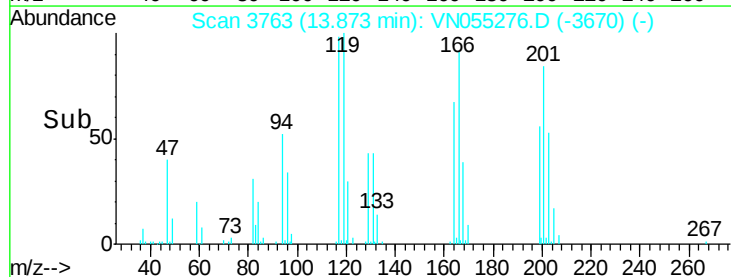
201 88.6 43.1 129.4

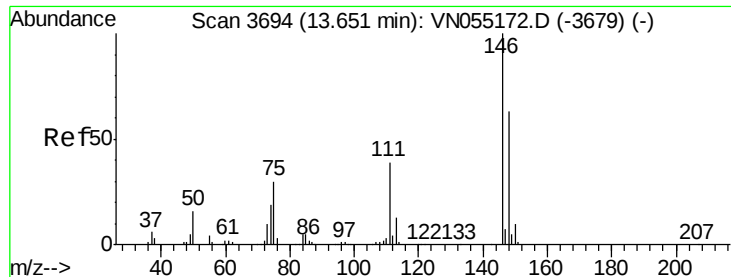


Abundance Ion 116.80 (116.50 to 117.50): VN055276.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN055276.D (-3763) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 19.827 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampled :

VN0427WBSD01

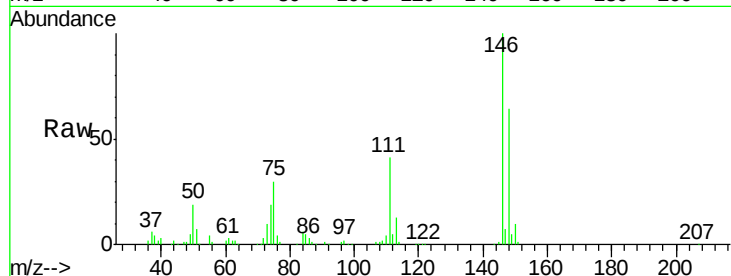
Tot Ion:146 Resp: 133210

Ion Ratio Lower Upper

146 100

111 40.5 19.8 59.3

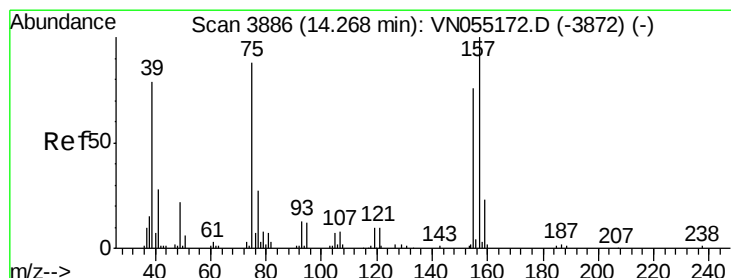
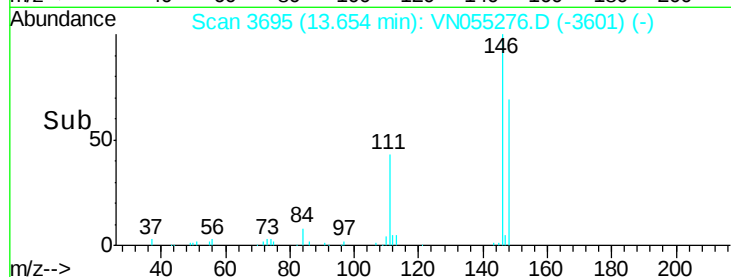
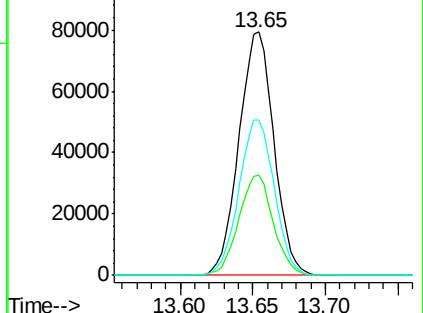
148 64.5 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.068 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

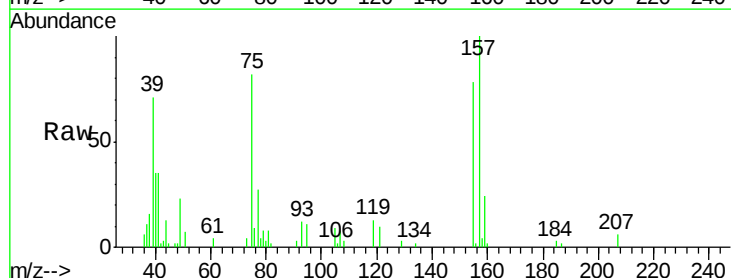
Tgt Ion: 75 Resp: 12348

Ion Ratio Lower Upper

75 100

155 93.3 43.0 129.0

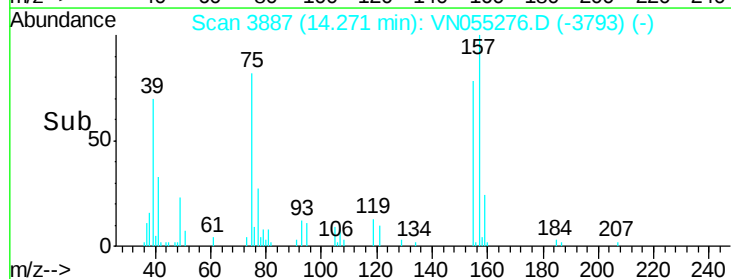
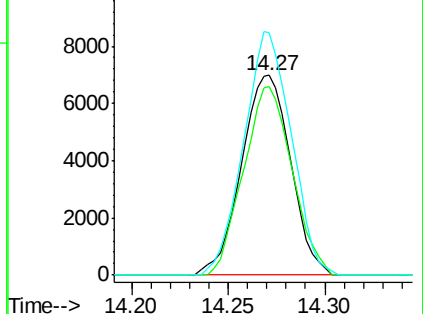
157 118.3 55.7 167.1

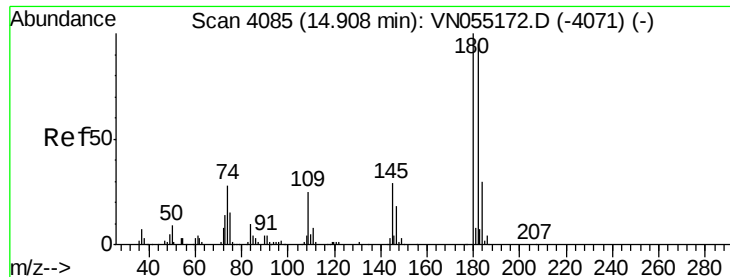


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

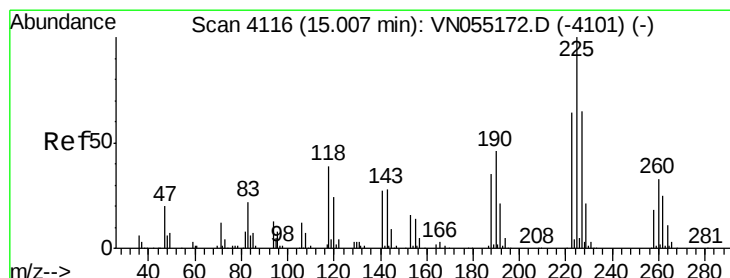
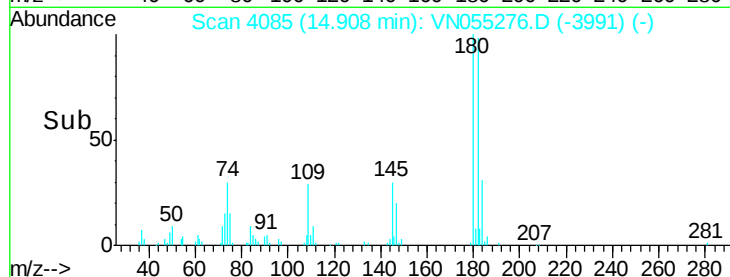
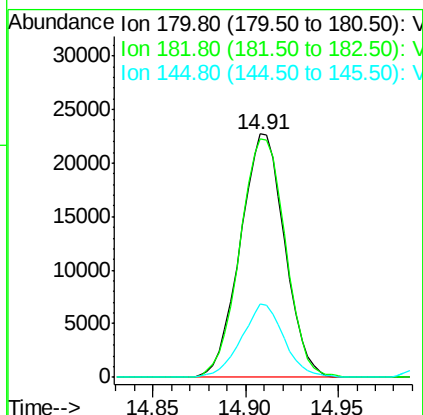
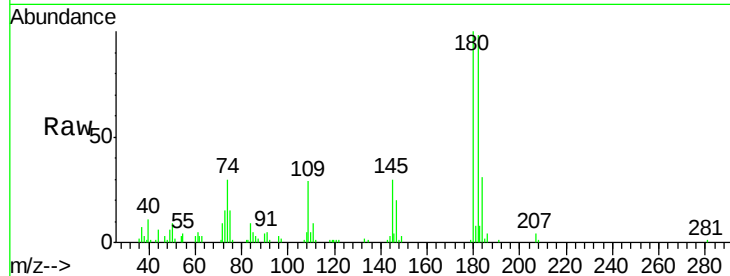




#93
 1,2,4-Trichlorobenzene
 Concen: 15.380 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

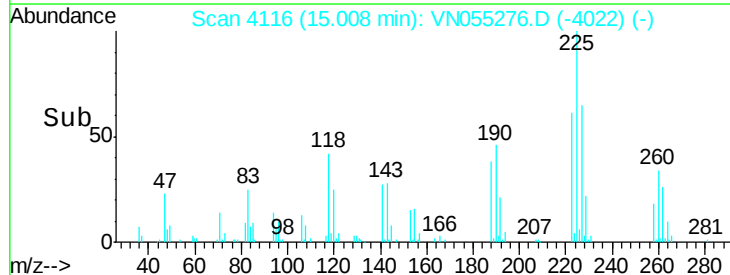
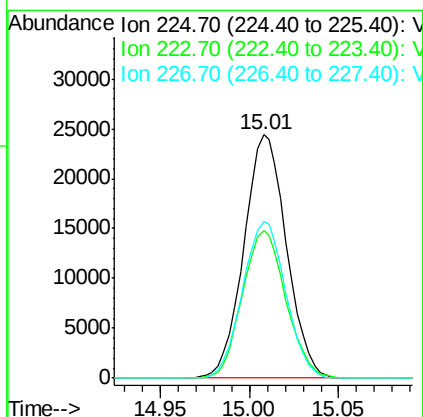
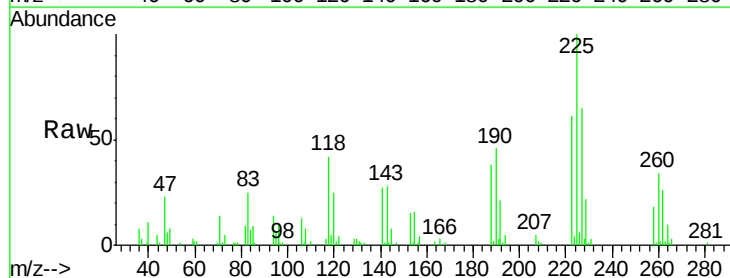
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBSD01

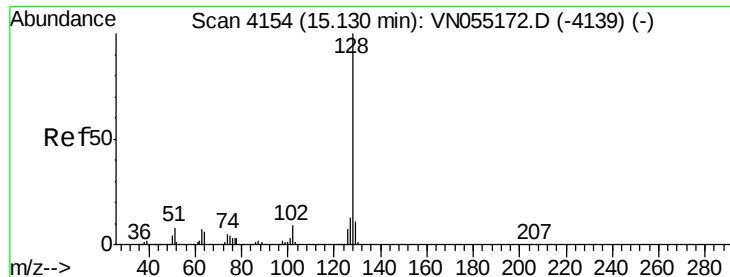
Tot Ion:180 Resp: 37962
 Ion Ratio Lower Upper
 180 100
 182 100.2 47.8 143.4
 145 28.9 14.5 43.5



#94
 Hexachlorobutadiene
 Concen: 19.437 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Tgt Ion:225 Resp: 40786
 Ion Ratio Lower Upper
 225 100
 223 61.8 32.2 96.6
 227 65.2 32.6 98.0





#95

Naphthalene

Concen: 16.993 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampled :

VN0427WBSD01

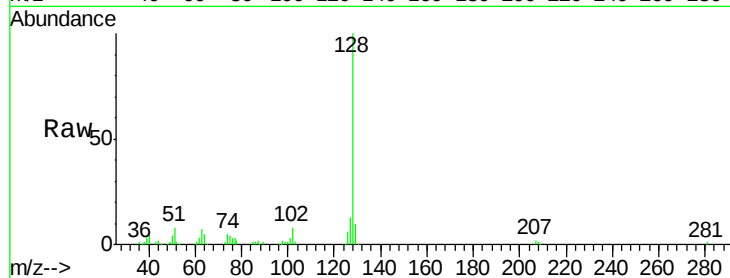
Tot Ion:128 Resp: 90540

Ion Ratio Lower Upper

128 100

127 13.6 10.3 15.5

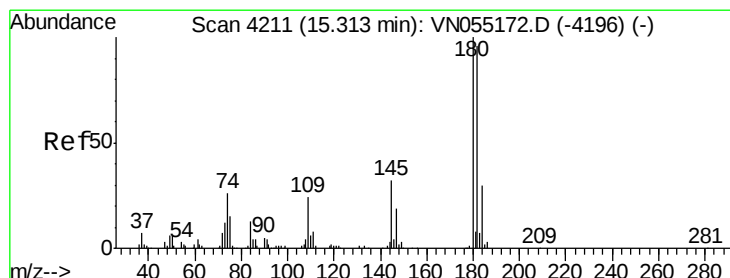
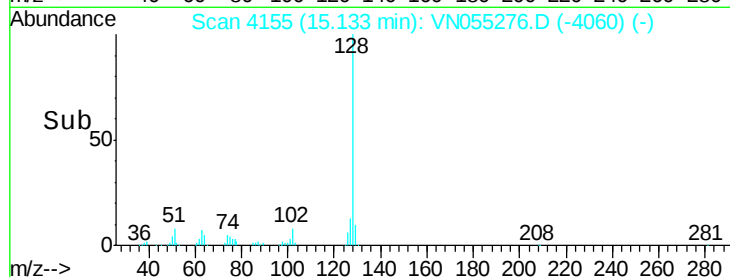
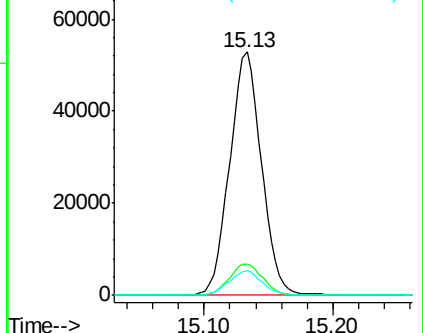
129 10.6 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.696 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

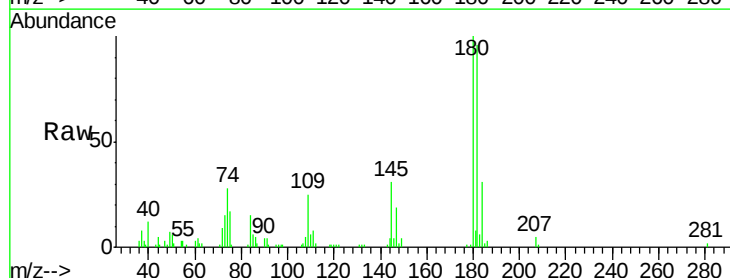
Tgt Ion:180 Resp: 42902

Ion Ratio Lower Upper

180 100

182 96.1 47.2 141.6

145 30.8 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

