

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050719\
 Data File : VN055439.D
 Acq On : 7 May 2019 15:54
 Operator : JC/SP
 Sample : VN0507MBSD01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Quant Time: May 07 16:58:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	341994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	563727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	473059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	183272	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	237014	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
35) Dibromofluoromethane	7.59	113	180549	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.09	98	638993	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
62) 4-Bromofluorobenzene	12.40	95	214654	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	78265	18.678 ug/l	98
3) Chloromethane	2.06	50	86865	16.742 ug/l	99
4) Vinyl Chloride	2.19	62	75522	18.057 ug/l	99
5) Bromomethane	2.56	94	42664	19.258 ug/l	96
6) Chloroethane	2.71	64	42180	18.617 ug/l	90
7) Trichlorofluoromethane	3.02	101	117168	19.702 ug/l	96
8) Diethyl Ether	3.42	74	45509	21.872 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	69362	19.586 ug/l	99
10) Methyl Iodide	3.96	142	92390	18.537 ug/l	100
11) Tert butyl alcohol	4.79	59	35015	136.696 ug/l	99
12) 1,1-Dichloroethene	3.74	96	65675	19.440 ug/l	97
13) Acrolein	3.61	56	12352	61.746 ug/l	100
14) Allyl chloride	4.33	41	142082	20.307 ug/l	99
15) Acrylonitrile	5.00	53	175582	121.949 ug/l	99
16) Acetone	3.82	43	141197	101.285 ug/l	98
17) Carbon Disulfide	4.06	76	137976	15.650 ug/l	98
18) Methyl Acetate	4.33	43	94392	27.326 ug/l	99
19) Methyl tert-butyl Ether	5.05	73	222292	23.406 ug/l	98
20) Methylene Chloride	4.55	84	81588	19.174 ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	69096	19.312 ug/l	98
22) Diisopropyl ether	5.96	45	310322	22.322 ug/l	98
23) Vinyl Acetate	5.90	43	1049992	115.239 ug/l	99
24) 1,1-Dichloroethane	5.85	63	153723	20.753 ug/l	98
25) 2-Butanone	6.84	43	216402	121.382 ug/l	99
26) 2,2-Dichloropropane	6.83	77	97452	19.052 ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	86122	21.167 ug/l	99
28) Bromochloromethane	7.20	49	76734	20.552 ug/l	99
29) Tetrahydrofuran	7.22	42	150389	131.737 ug/l	98
30) Chloroform	7.37	83	149798	21.334 ug/l	99
31) Cyclohexane	7.65	56	136084	19.337 ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	117471	20.613 ug/l	99
36) 1,1-Dichloropropene	7.80	75	99490	18.425 ug/l	99
37) Ethyl Acetate	6.93	43	97702	23.609 ug/l	100
38) Carbon Tetrachloride	7.77	117	96315	18.491 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	111196	19.369	ug/l	99
40) Benzene	8.04	78	317695	19.959	ug/l	100
41) Methacrylonitrile	7.17	41	52632	23.891	ug/l	95
42) 1,2-Dichloroethane	8.13	62	116305	20.630	ug/l	99
43) Isopropyl Acetate	8.17	43	163833	24.634	ug/l #	90
44) Trichloroethene	8.84	130	78361	19.311	ug/l	99
45) 1,2-Dichloropropane	9.12	63	92840	20.222	ug/l	98
46) Dibromomethane	9.21	93	51741	20.619	ug/l	98
47) Bromodichloromethane	9.40	83	110050	20.442	ug/l	97
48) Methyl methacrylate	9.20	41	77198	23.612	ug/l	98
49) 1,4-Dioxane	9.21	88	16895	499.891	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	462442	123.503	ug/l	99
52) Toluene	10.16	92	179853	19.692	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	95927	20.526	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	117601	20.183	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	74220	21.884	ug/l	98
56) Ethyl methacrylate	10.43	69	96656	23.154	ug/l	100
57) 1,3-Dichloropropane	10.71	76	126040	21.184	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	98935	84.982	ug/l	100
59) 2-Hexanone	10.75	43	295949	126.322	ug/l	97
60) Dibromochloromethane	10.90	129	73228	21.126	ug/l	98
61) 1,2-Dibromoethane	11.01	107	67174	21.429	ug/l	99
64) Tetrachloroethene	10.63	164	79325	20.505	ug/l	99
65) Chlorobenzene	11.43	112	184193	19.915	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	73560	20.312	ug/l	98
67) Ethyl Benzene	11.51	91	339503	20.327	ug/l	98
68) m/p-Xylenes	11.62	106	239918	40.244	ug/l	100
69) o-Xylene	11.95	106	121626	20.584	ug/l	100
70) Styrene	11.96	104	193728	21.353	ug/l	99
71) Bromoform	12.13	173	43859	21.825	ug/l #	97
73) Isopropylbenzene	12.25	105	332395	20.957	ug/l	100
74) N-amyl acetate	12.07	43	109100	23.196	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	92204	23.720	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	107564	30.599	ug/l #	100
77) Bromobenzene	12.53	156	76378	20.547	ug/l	95
78) n-propylbenzene	12.59	91	363426	19.305	ug/l	99
79) 2-Chlorotoluene	12.67	91	225971	21.218	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	276666	19.256	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20212	20.900	ug/l	92
82) 4-Chlorotoluene	12.77	91	208496	19.048	ug/l	97
83) tert-Butylbenzene	12.99	119	246324	22.628	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	266714	20.756	ug/l	100
85) sec-Butylbenzene	13.17	105	317562	20.335	ug/l	100
86) p-Isopropyltoluene	13.29	119	264561	20.612	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	121123	19.750	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	117741	20.387	ug/l	99
89) n-Butylbenzene	13.61	91	188363	20.652	ug/l	100
90) Hexachloroethane	13.87	117	44735	21.101	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	126097	20.745	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13867	28.760	ug/l	89

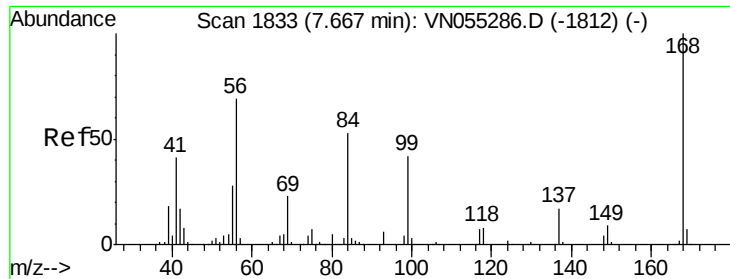
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	41404	19.445	ug/l	97
94) Hexachlorobutadiene	15.01	225	48056	24.867	ug/l	98
95) Naphthalene	15.13	128	85080	18.918	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	45045	20.703	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

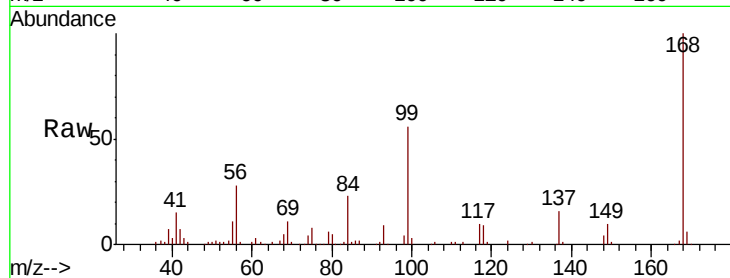
VN0507MBSD01

Tgt Ion:168 Resp: 341994

Ion Ratio Lower Upper

168 100

99 55.5 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

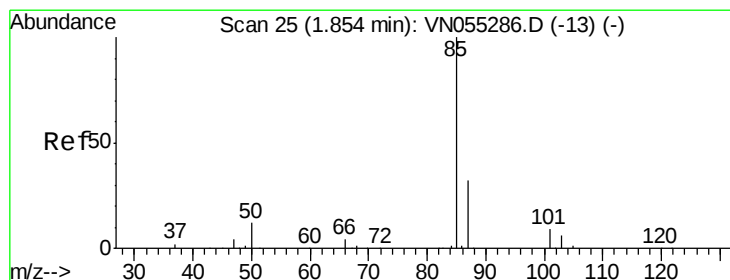
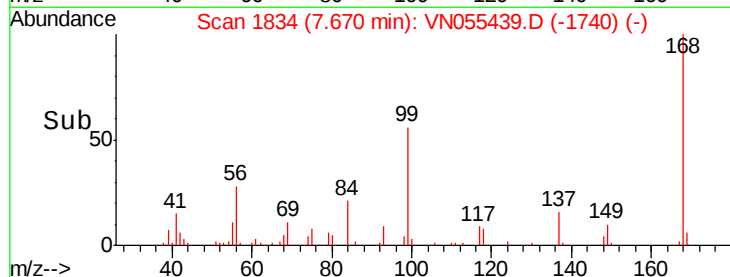
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.678 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055439.D

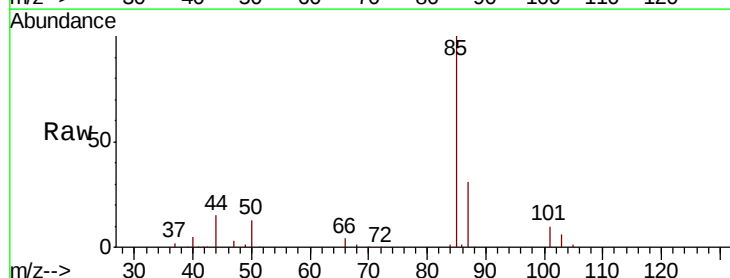
Acq: 7 May 2019 15:54

Tgt Ion: 85 Resp: 78265

Ion Ratio Lower Upper

85 100

87 30.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

50000

40000

30000

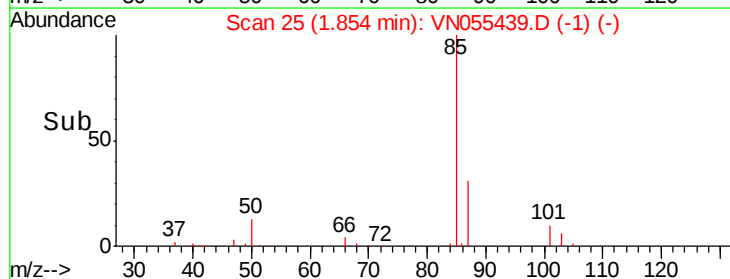
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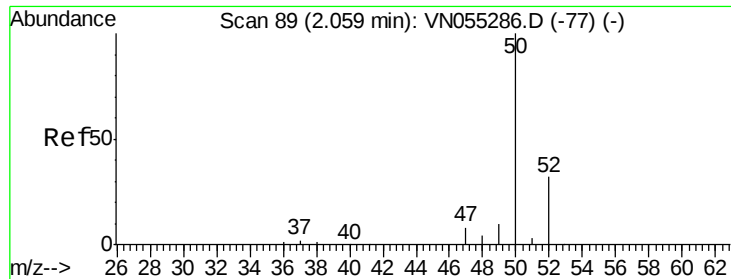
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 16.742 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

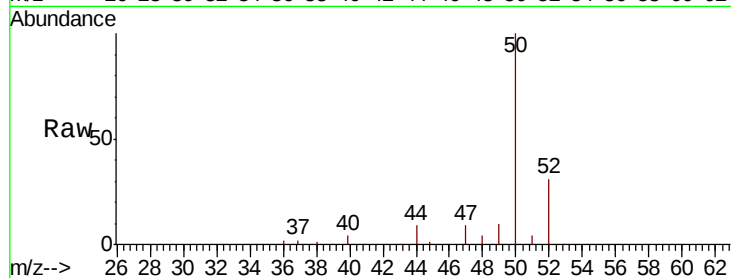
VN0507MBSD01

Tgt Ion: 50 Resp: 86865

Ion Ratio Lower Upper

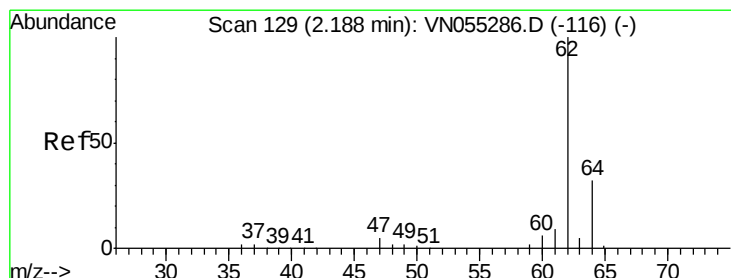
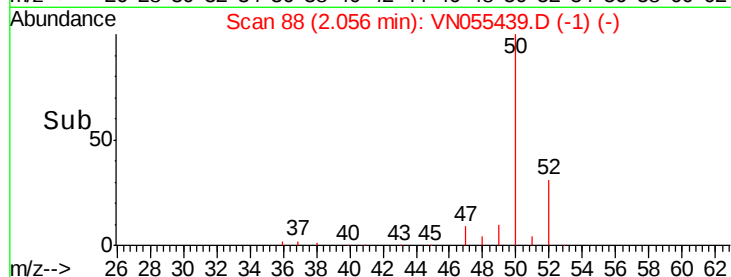
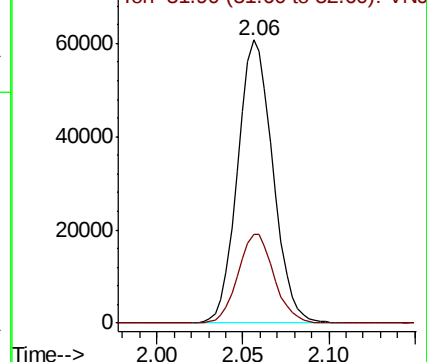
50 100

52 31.5 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.057 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055439.D

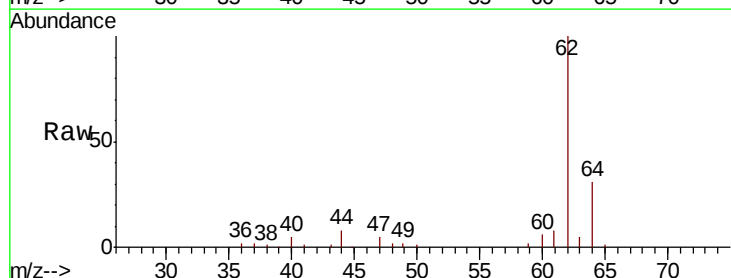
Acq: 7 May 2019 15:54

Tgt Ion: 62 Resp: 75522

Ion Ratio Lower Upper

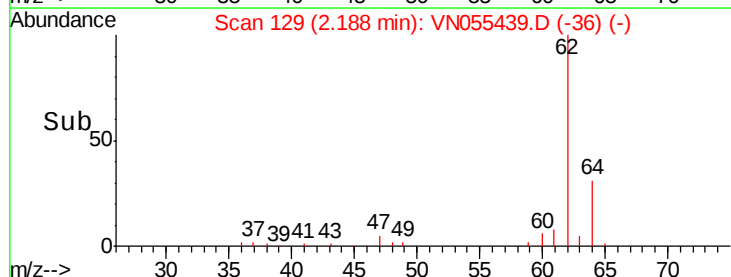
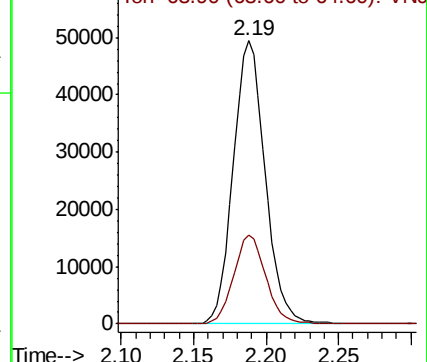
62 100

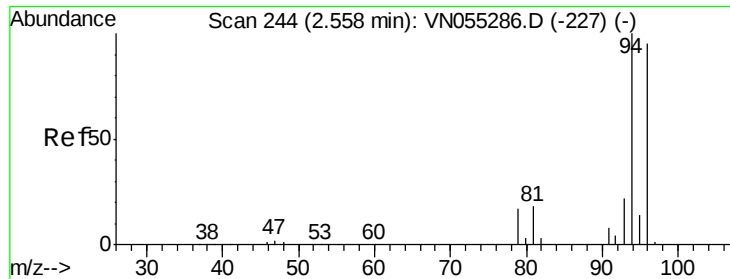
64 31.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

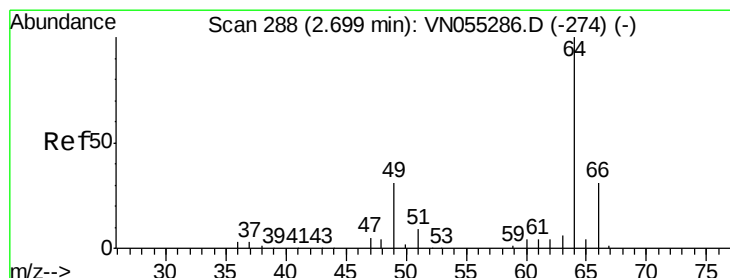
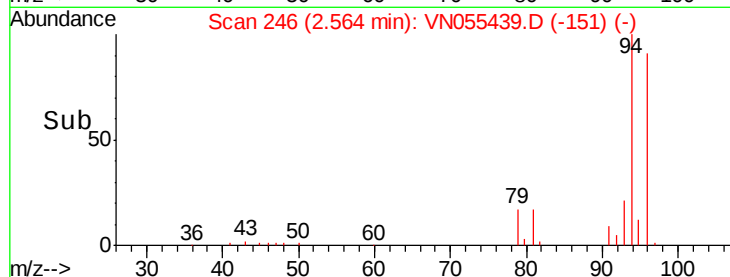
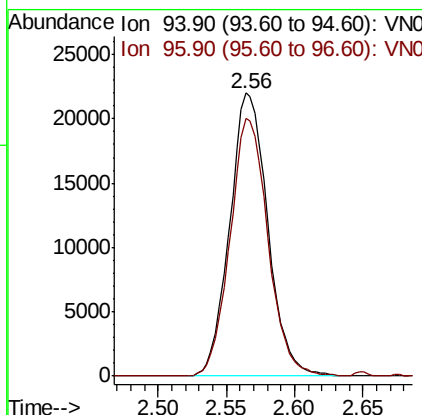
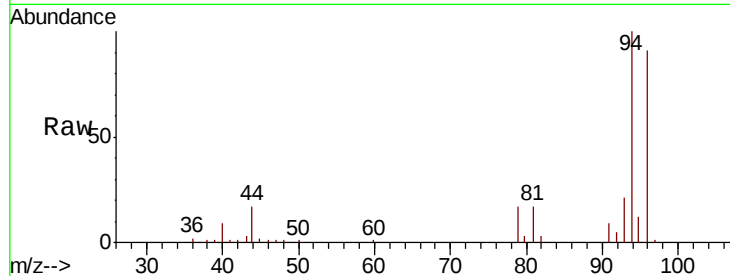




#5
 Bromomethane
 Concen: 19.258 ug/l
 RT: 2.56 min Scan# 246
 Delta R.T. 0.01 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

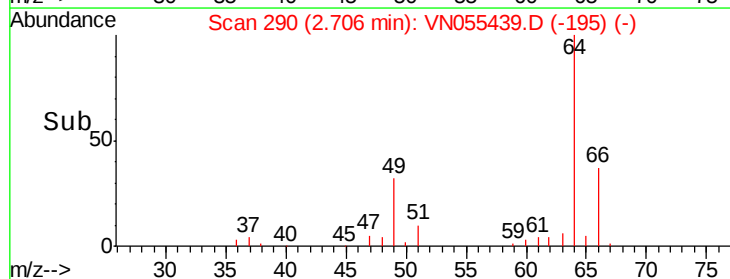
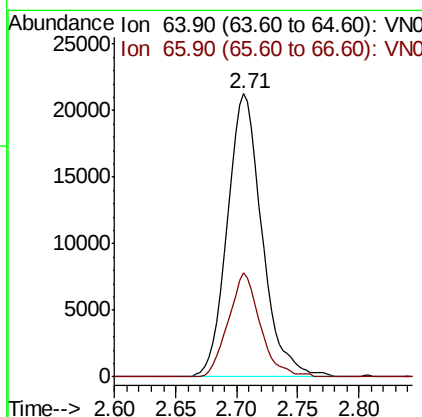
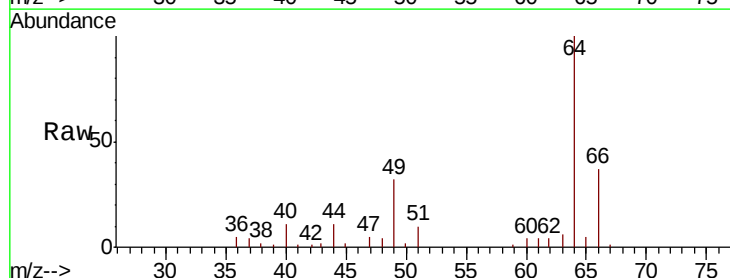
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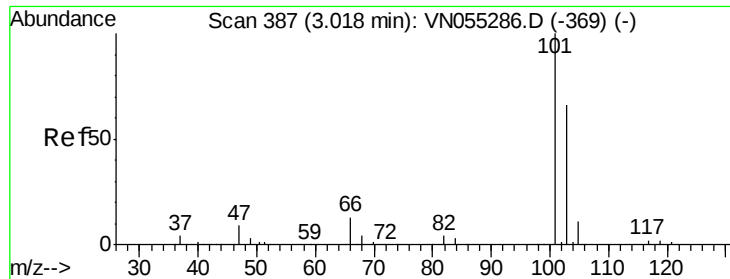
Tgt Ion: 94 Resp: 42664
 Ion Ratio Lower Upper
 94 100
 96 91.1 76.0 114.0



#6
 Chloroethane
 Concen: 18.617 ug/l
 RT: 2.71 min Scan# 290
 Delta R.T. 0.01 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion: 64 Resp: 42180
 Ion Ratio Lower Upper
 64 100
 66 36.7 25.0 37.4



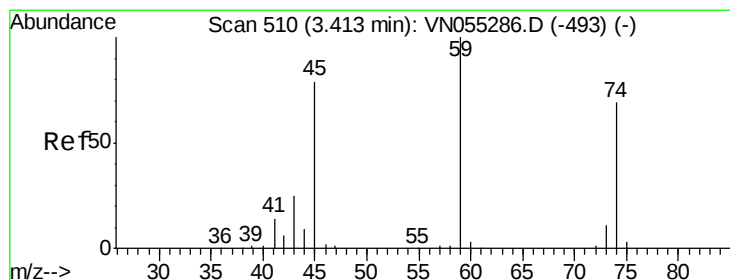
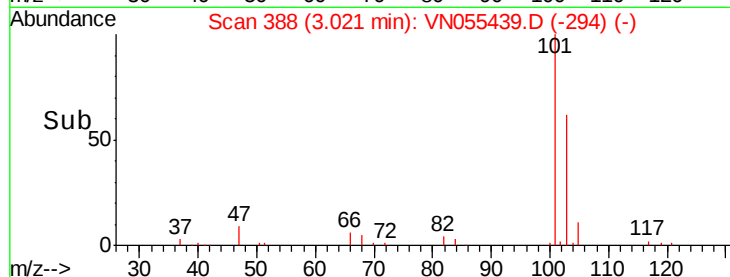
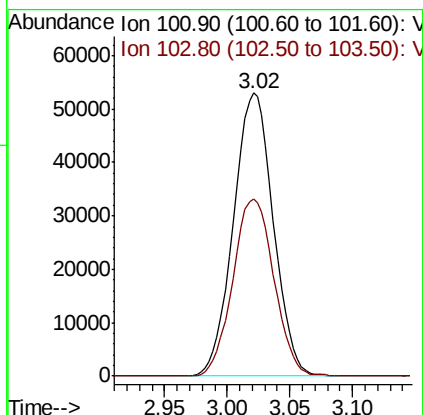
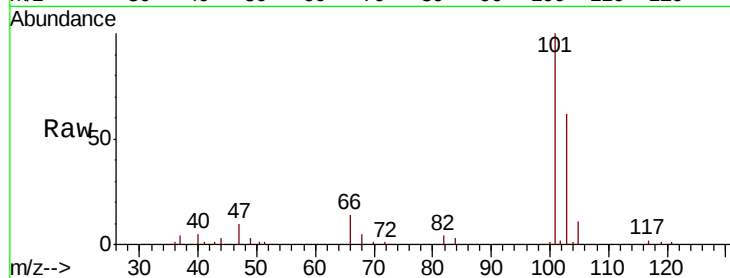


#7

Trichlorofluoromethane
 Concen: 19.702 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

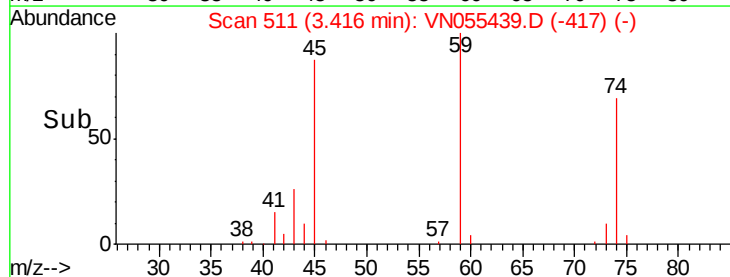
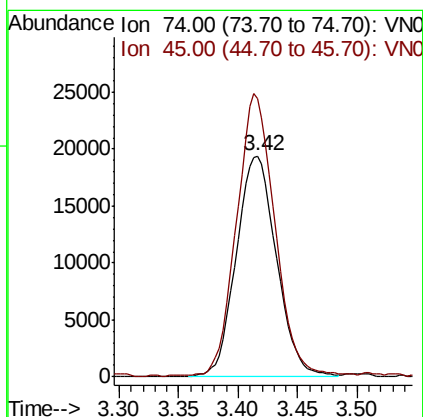
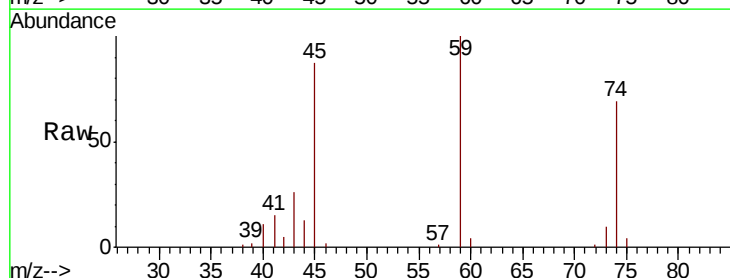
Tgt Ion:101 Resp: 117168
 Ion Ratio Lower Upper
 101 100
 103 62.4 52.6 79.0

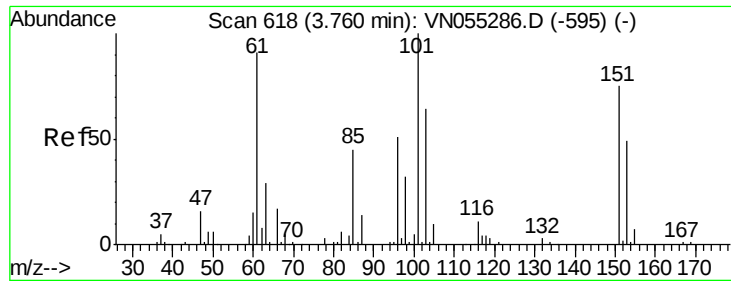


#8

Diethyl Ether
 Concen: 21.872 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion: 74 Resp: 45509
 Ion Ratio Lower Upper
 74 100
 45 119.6 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.586 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

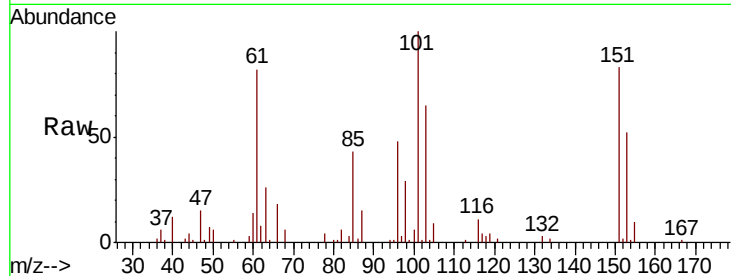
Tgt Ion:101 Resp: 69362

Ion Ratio Lower Upper

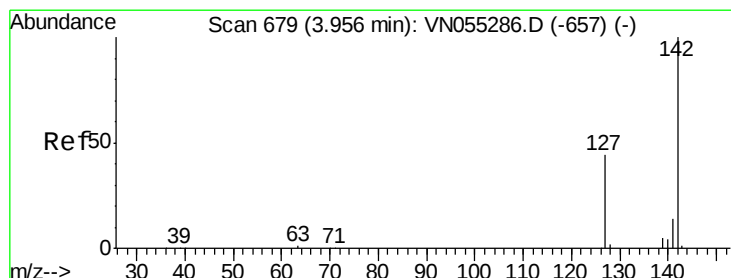
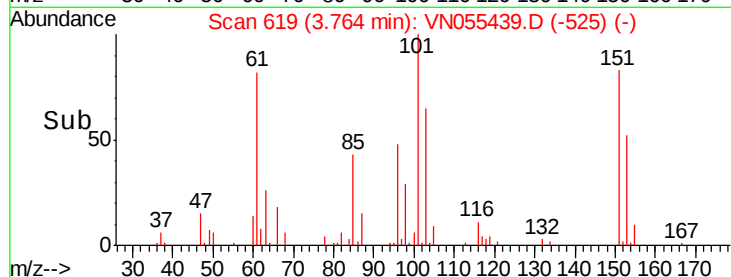
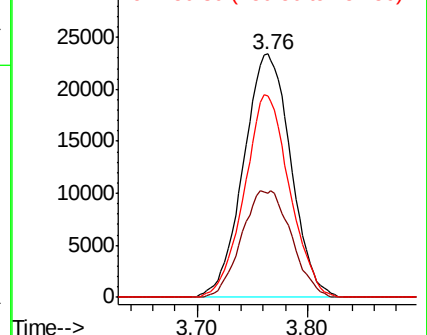
101 100

85 45.8 35.7 53.5

151 79.6 63.3 94.9



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: 18.537 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

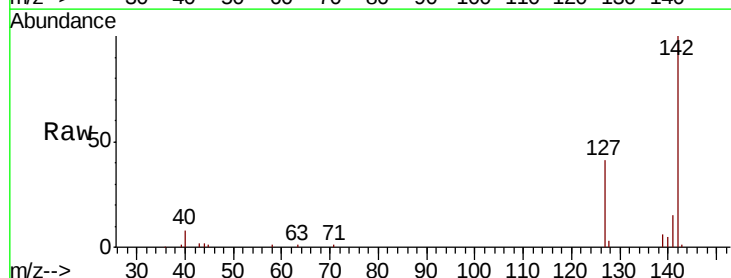
Tgt Ion:142 Resp: 92390

Ion Ratio Lower Upper

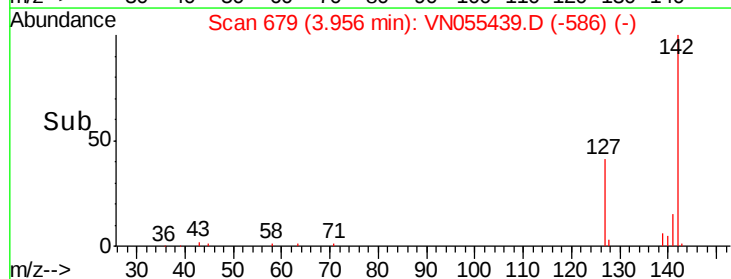
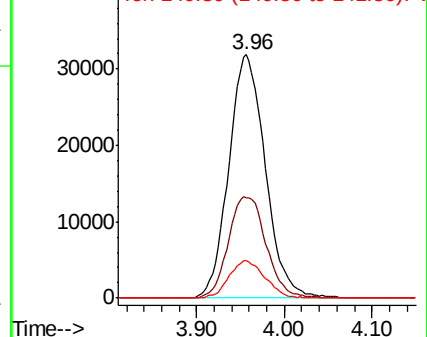
142 100

127 42.9 34.4 51.6

141 15.0 11.5 17.3



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

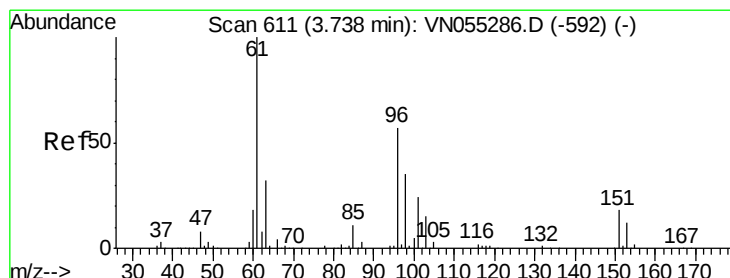
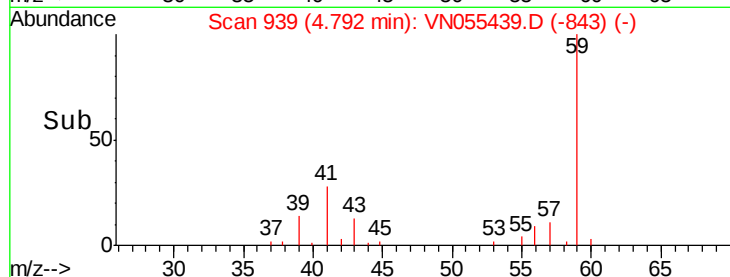
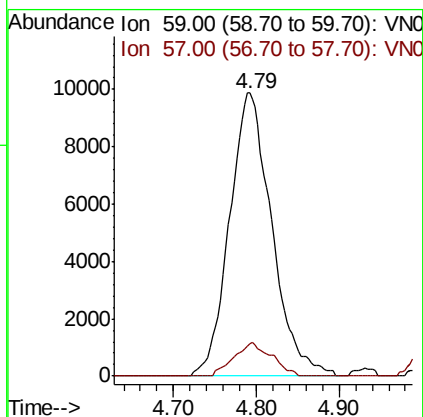
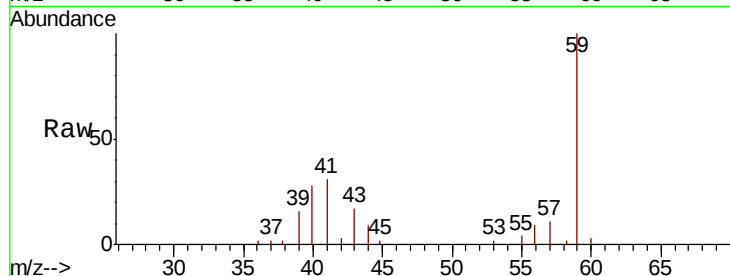




#11
Tert butyl alcohol
Concen: 136.696 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

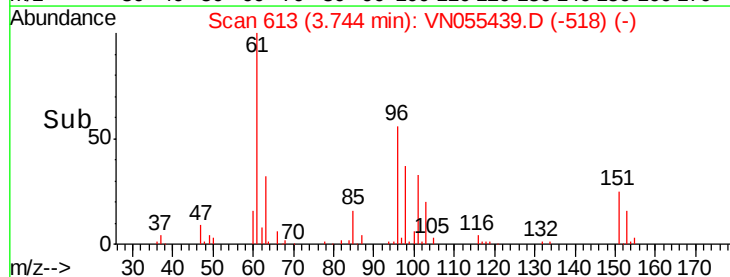
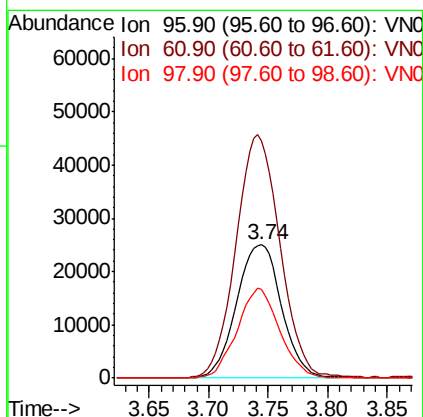
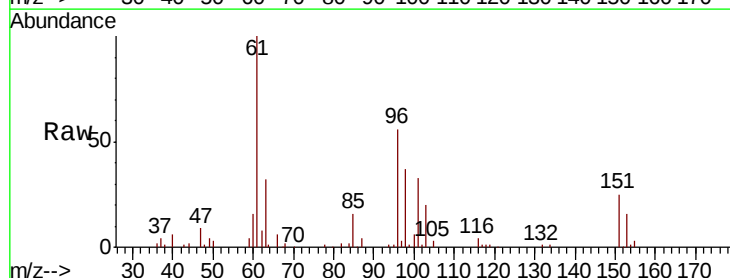
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

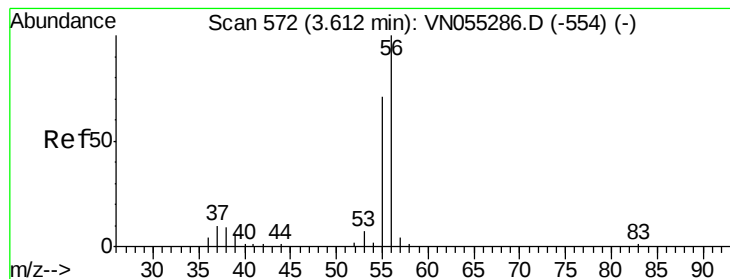
Tgt Ion: 59 Resp: 35015
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2



#12
1,1-Dichloroethene
Concen: 19.440 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion: 96 Resp: 65675
Ion Ratio Lower Upper
96 100
61 178.6 140.9 211.3
98 66.2 50.0 75.0





#13

Acrolein

Concen: 61.746 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

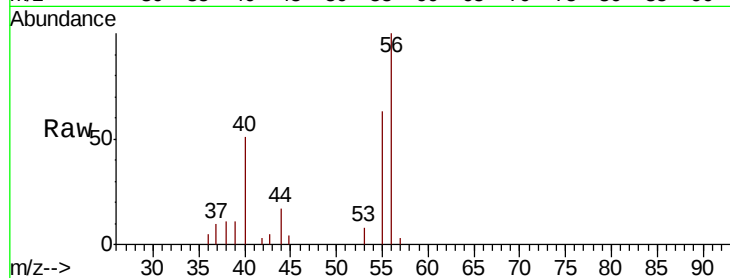
VN0507MBSD01

Tgt Ion: 56 Resp: 12352

Ion Ratio Lower Upper

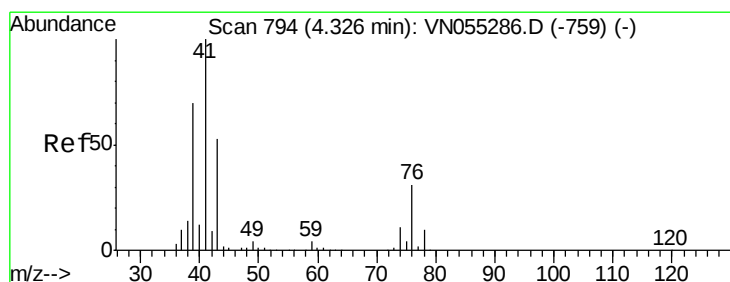
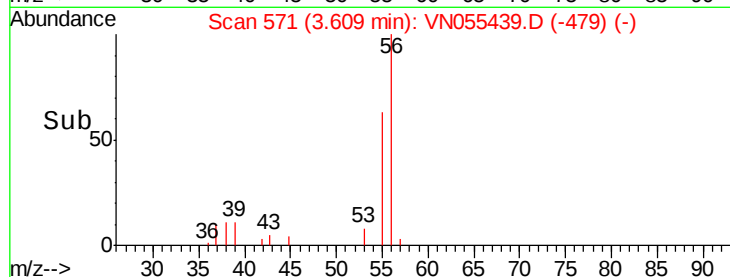
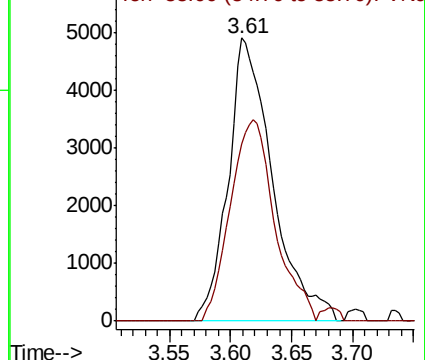
56 100

55 71.6 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.307 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

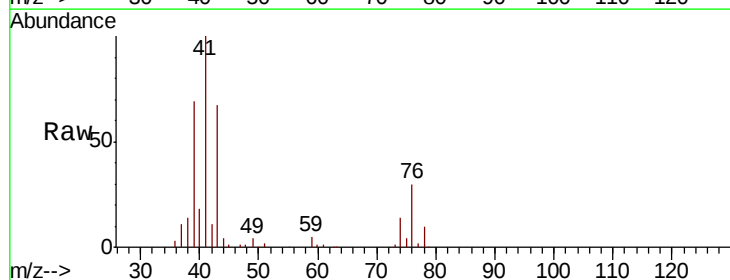
Tgt Ion: 41 Resp: 142082

Ion Ratio Lower Upper

41 100

39 66.7 53.0 79.6

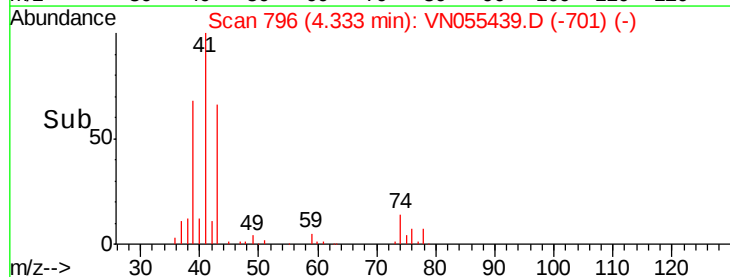
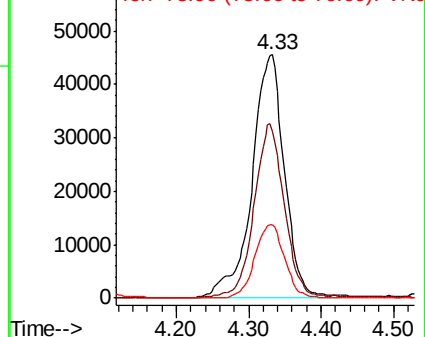
76 27.6 22.7 34.1

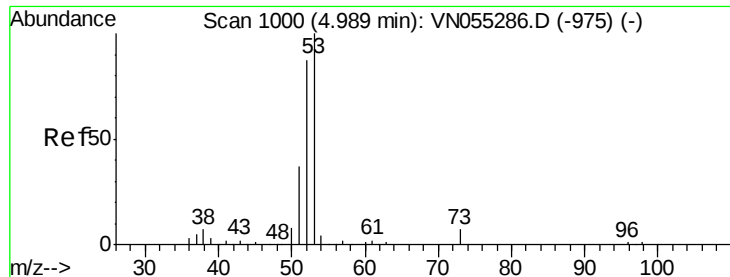


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 121.949 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

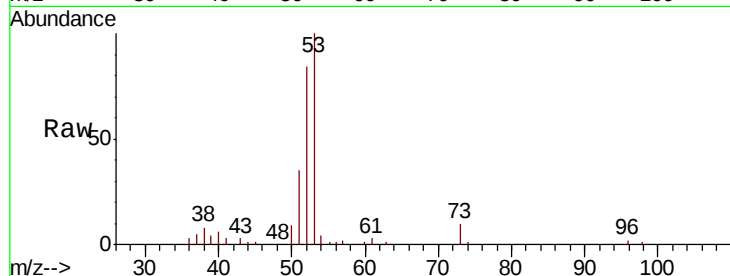
Tgt Ion: 53 Resp: 175582

Ion Ratio Lower Upper

53 100

52 82.3 66.5 99.7

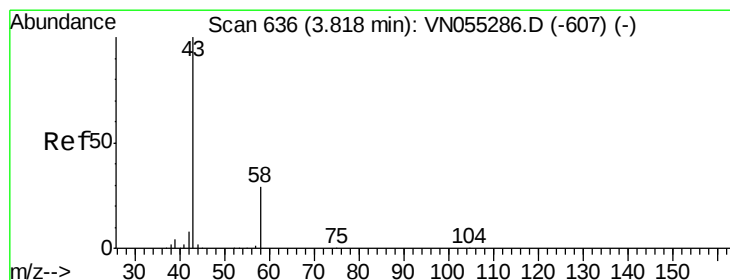
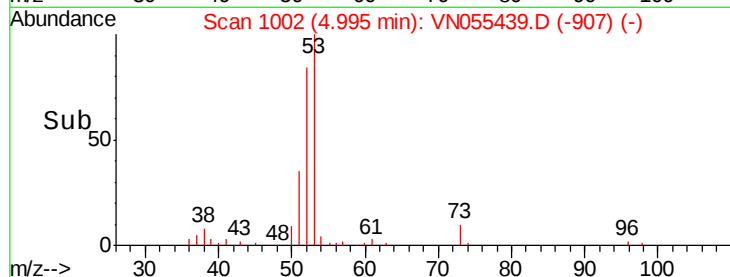
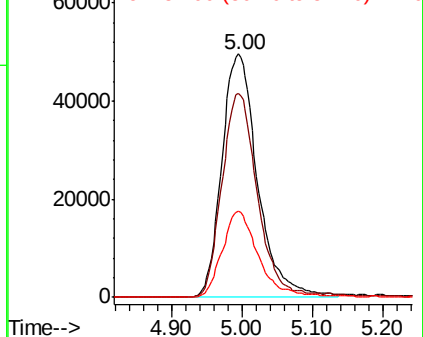
51 35.8 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 101.285 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055439.D

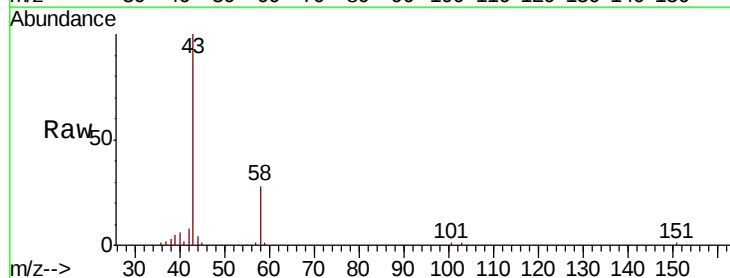
Acq: 7 May 2019 15:54

Tgt Ion: 43 Resp: 141197

Ion Ratio Lower Upper

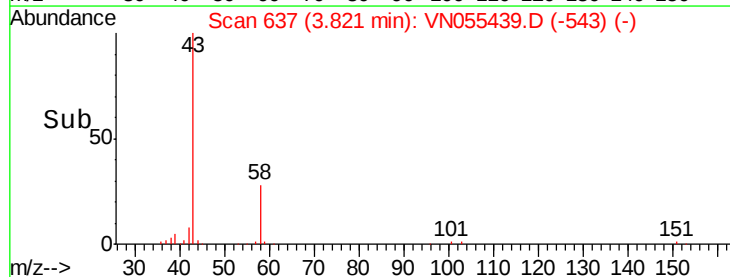
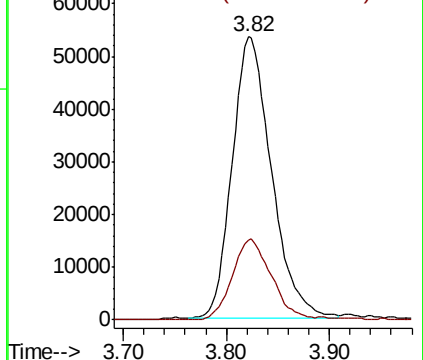
43 100

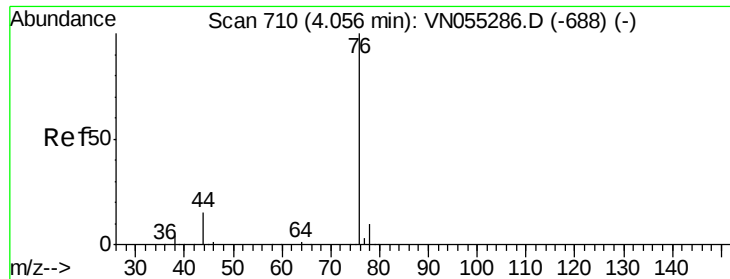
58 28.4 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

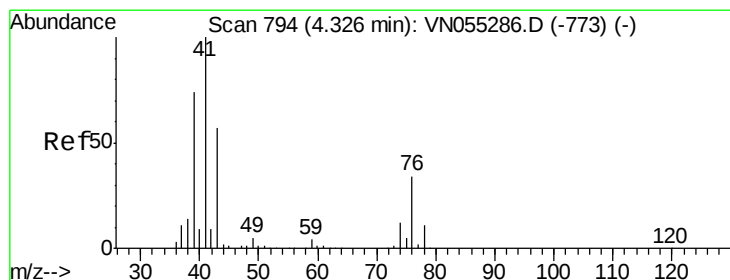
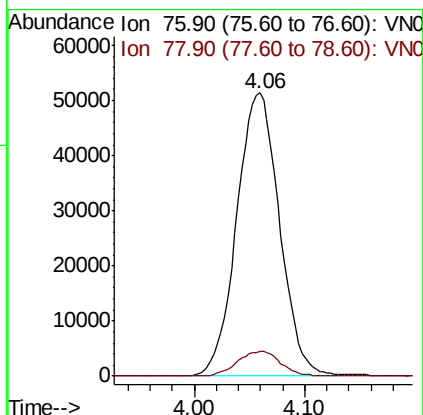
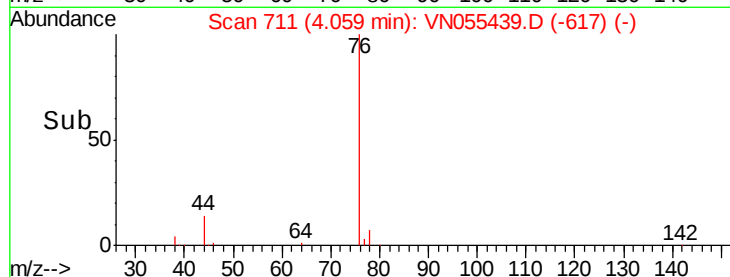
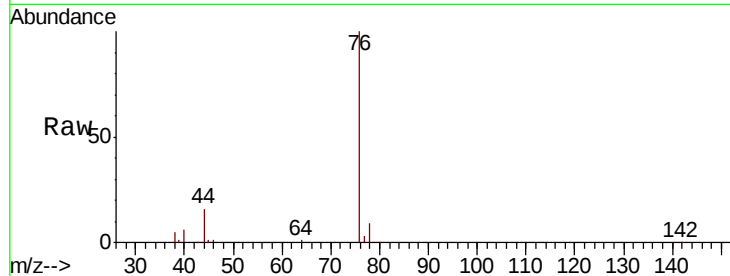




#17
Carbon Disulfide
Concen: 15.650 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

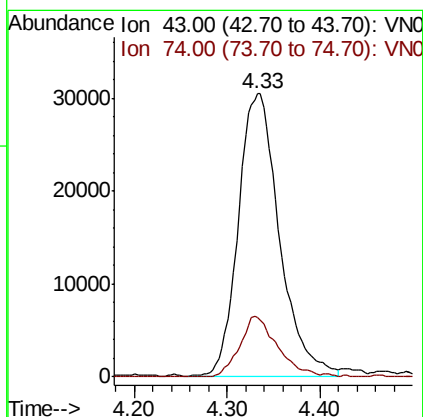
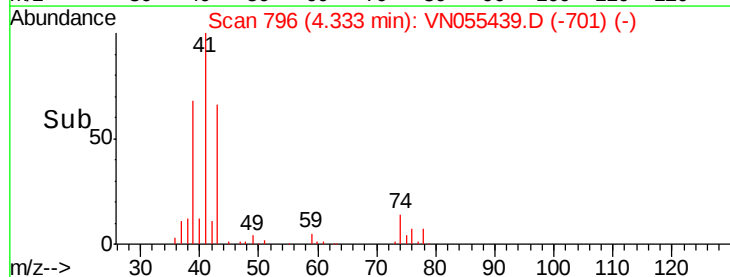
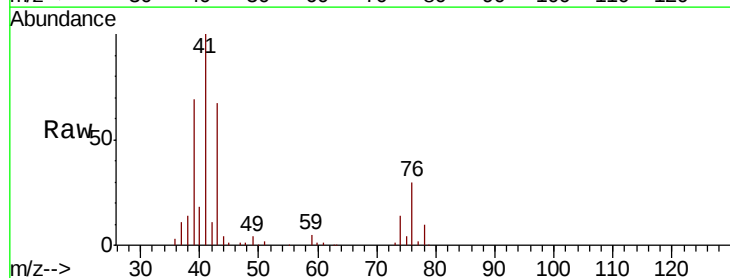
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

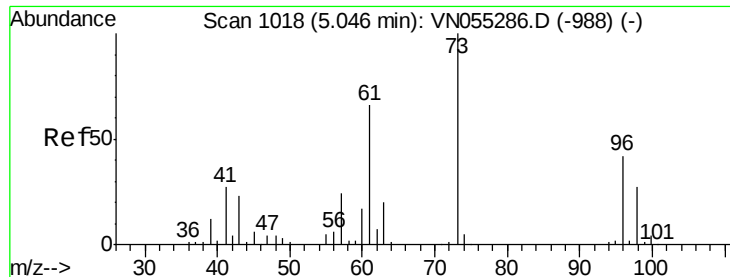
Tgt Ion: 76 Resp: 137976
Ion Ratio Lower Upper
76 100
78 8.9 7.6 11.4



#18
Methyl Acetate
Concen: 27.326 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion: 43 Resp: 94392
Ion Ratio Lower Upper
43 100
74 19.4 15.8 23.8

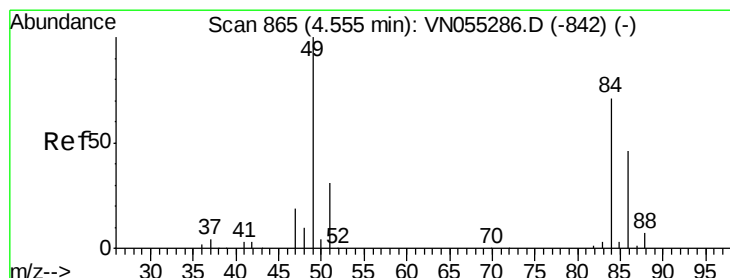
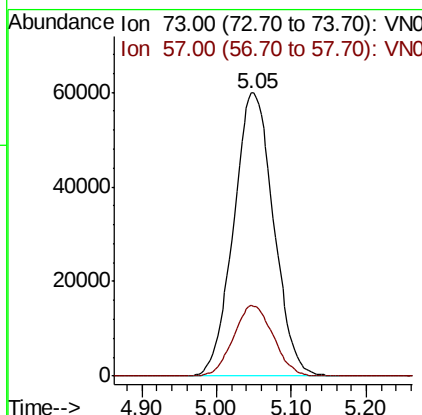
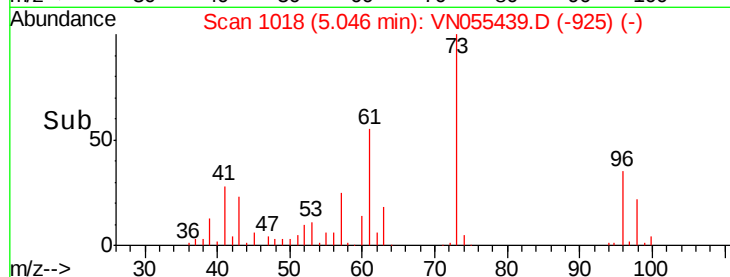
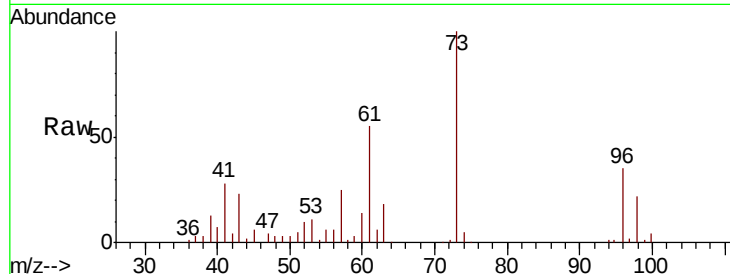




#19
Methyl tert-butyl Ether
Concen: 23.406 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

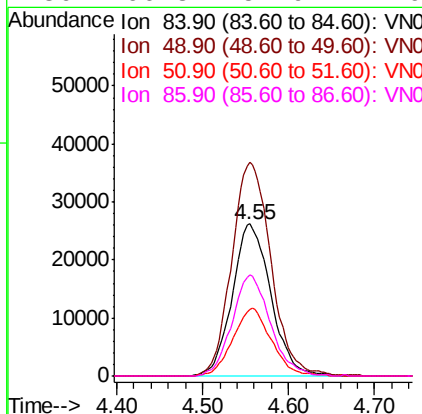
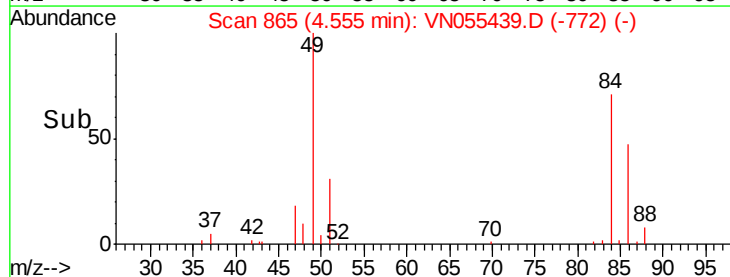
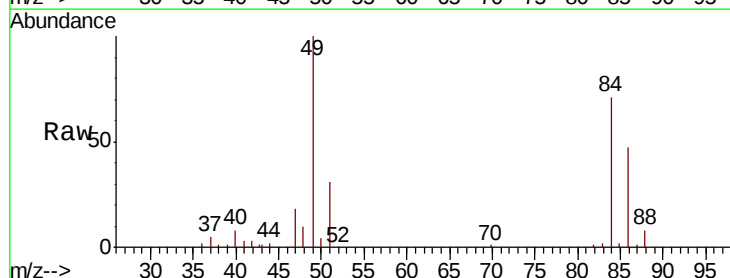
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

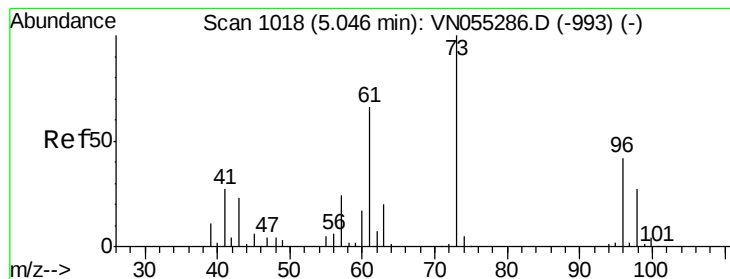
Tgt Ion: 73 Resp: 222292
Ion Ratio Lower Upper
73 100
57 24.9 19.1 28.7



#20
Methylene Chloride
Concen: 19.174 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion: 84 Resp: 81588
Ion Ratio Lower Upper
84 100
49 140.4 112.4 168.6
51 43.9 34.6 51.8
86 66.3 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 19.312 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

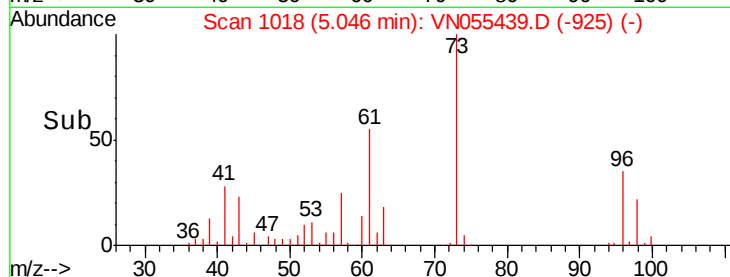
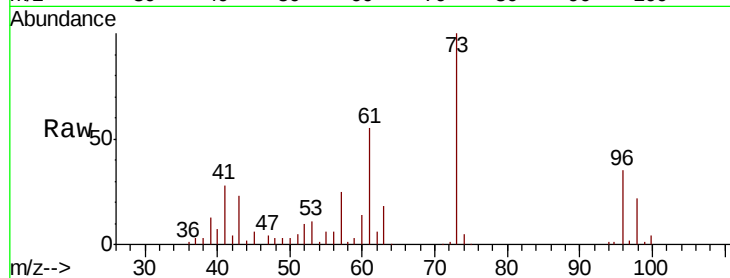
Tgt Ion: 96 Resp: 69096

Ion Ratio Lower Upper

96 100

61 155.7 126.2 189.4

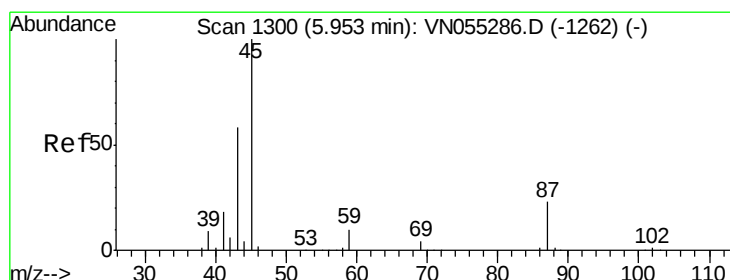
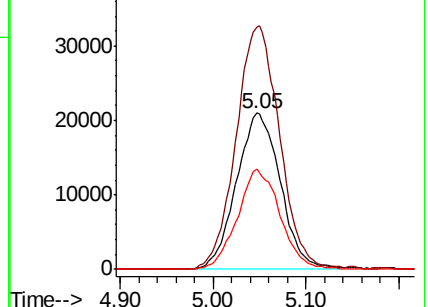
98 64.0 52.2 78.2



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: 22.322 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Tgt Ion: 45 Resp: 310322

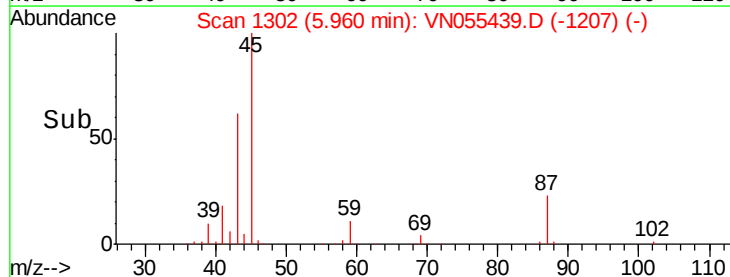
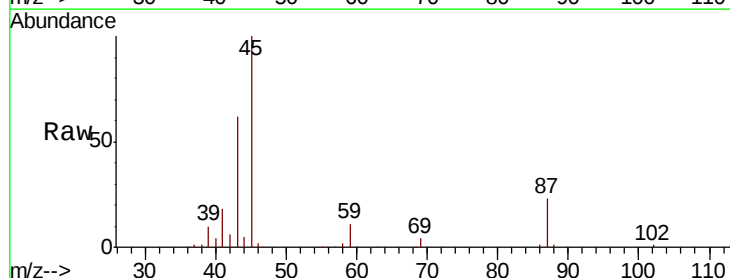
Ion Ratio Lower Upper

45 100

43 60.0 46.6 70.0

87 22.8 18.1 27.1

59 11.1 8.2 12.2

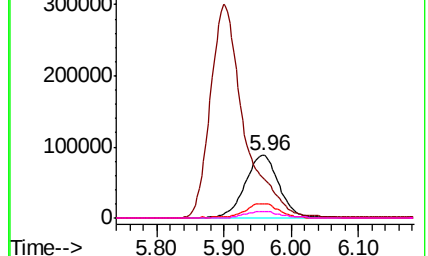


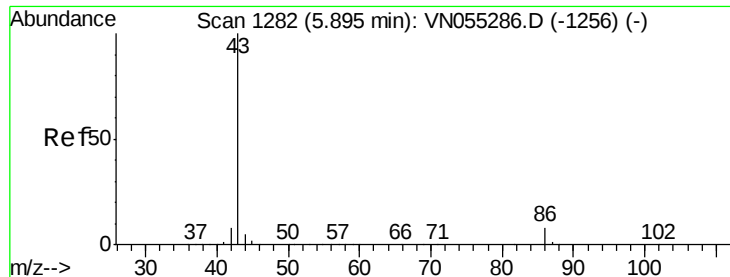
Abundance Ion 45.00 (44.70 to 45.70): VN0

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

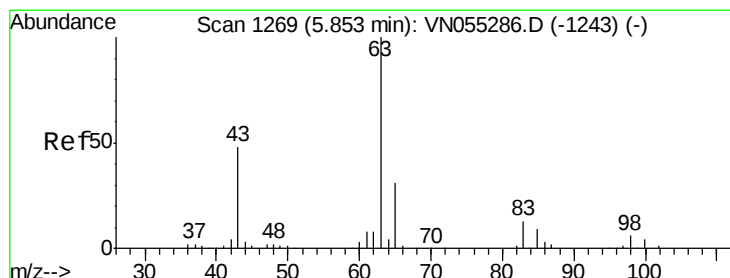
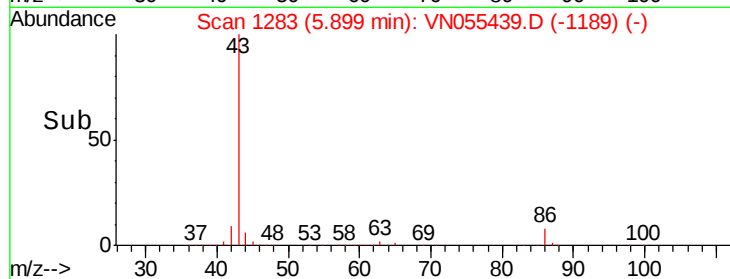
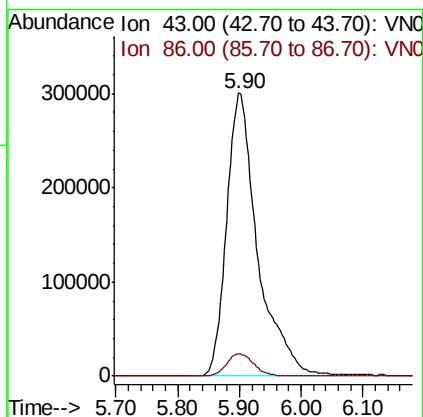
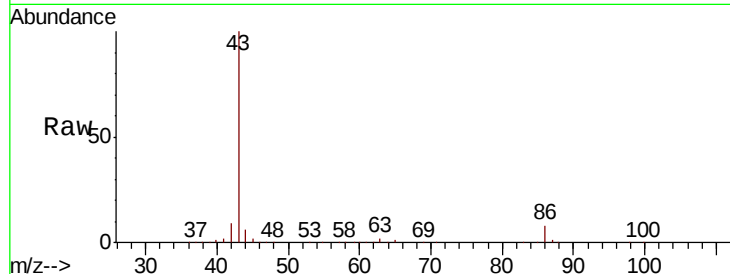




#23
 Vinyl Acetate
 Concen: 115.239 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

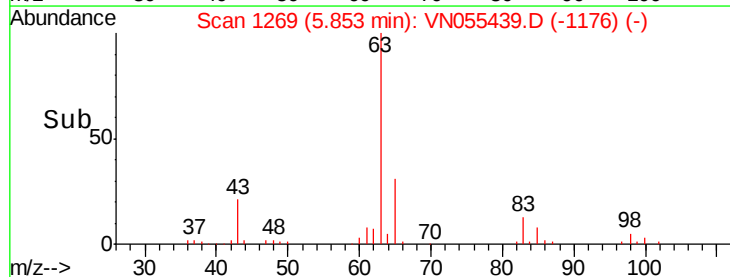
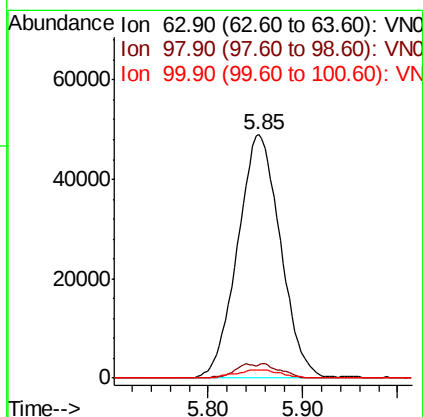
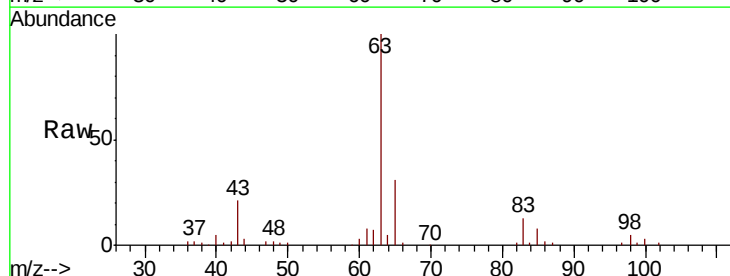
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

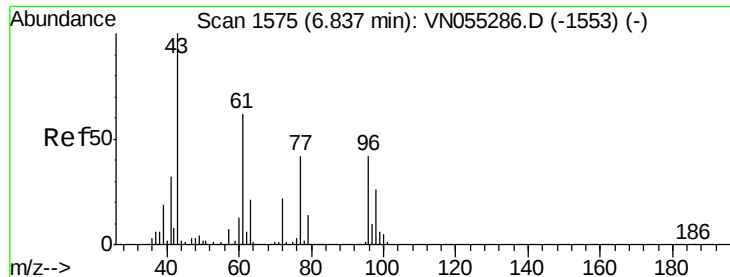
Tgt Ion: 43 Resp: 1049992
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.6 10.0



#24
 1,1-Dichloroethane
 Concen: 20.753 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion: 63 Resp: 153723
 Ion Ratio Lower Upper
 63 100
 98 5.4 3.0 9.0
 100 3.2 1.8 5.4





#25

2-Butanone

Concen: 121.382 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

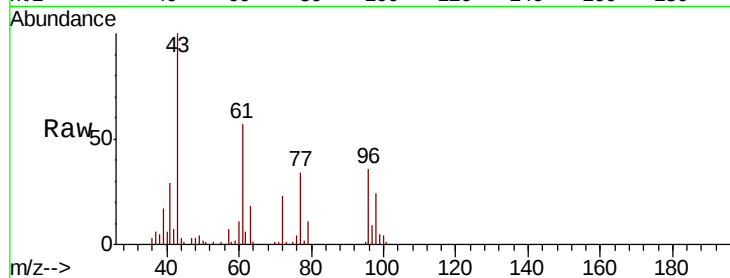
VN0507MBSD01

Tgt Ion: 43 Resp: 216402

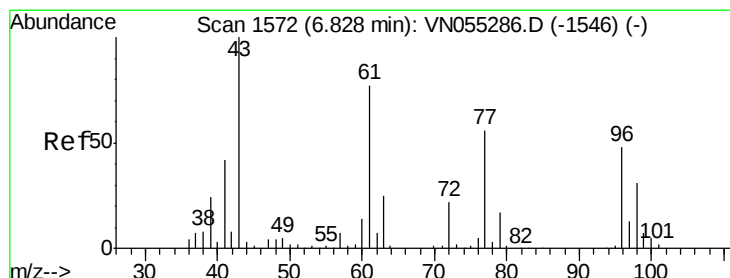
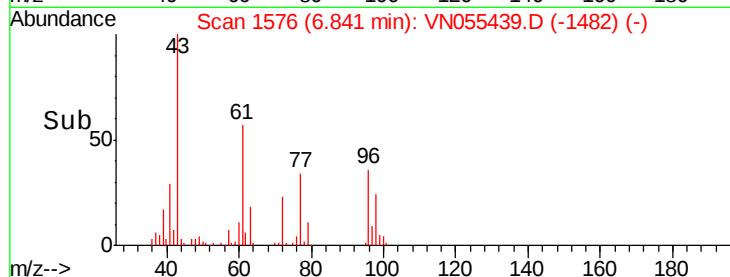
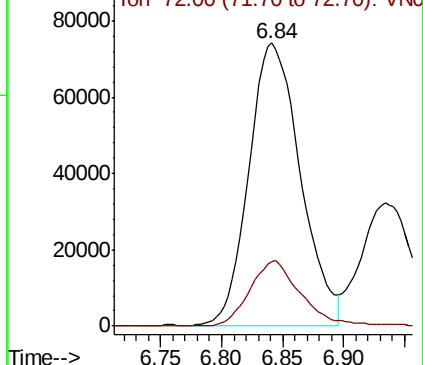
Ion Ratio Lower Upper

43 100

72 23.1 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-1553) (-)



#26

2,2-Dichloropropane

Concen: 19.052 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055439.D

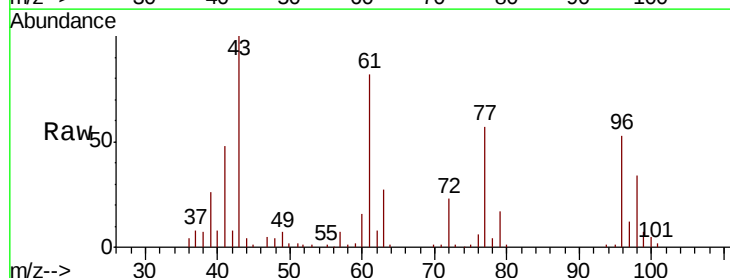
Acq: 7 May 2019 15:54

Tgt Ion: 77 Resp: 97452

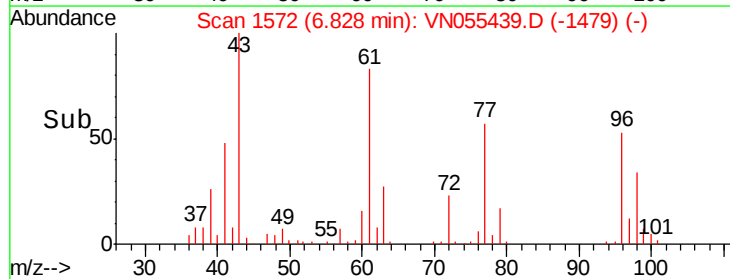
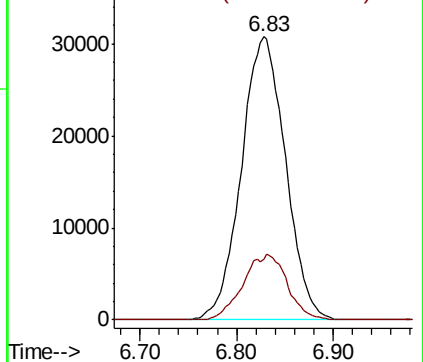
Ion Ratio Lower Upper

77 100

97 23.3 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN055286.D (-1546) (-)





#27

cis-1,2-Dichloroethene

Concen: 21.167 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

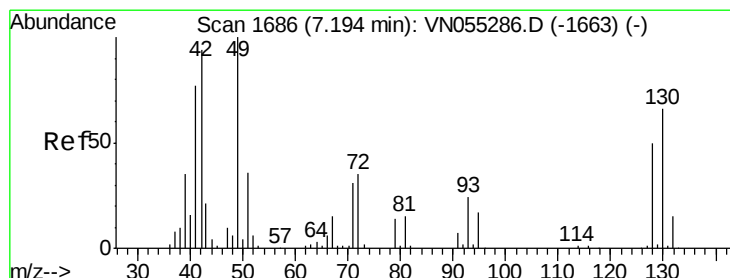
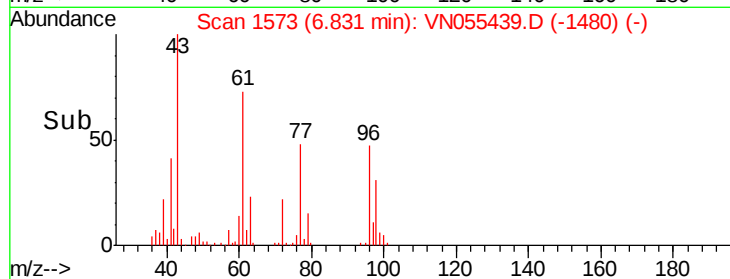
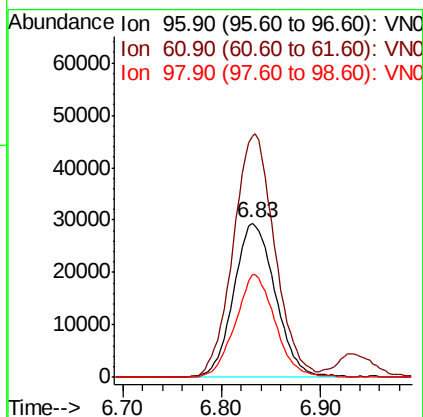
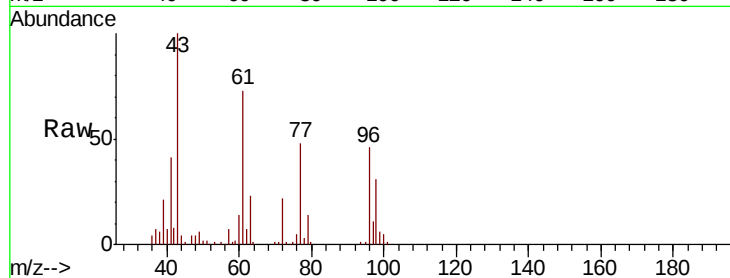
Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tgt Ion: 96 Resp: 86122

Ion	Ratio	Lower	Upper
96	100		
61	157.3	0.0	316.2
98	63.7	0.0	126.6



#28

Bromochloromethane

Concen: 20.552 ug/l

RT: 7.20 min Scan# 1688

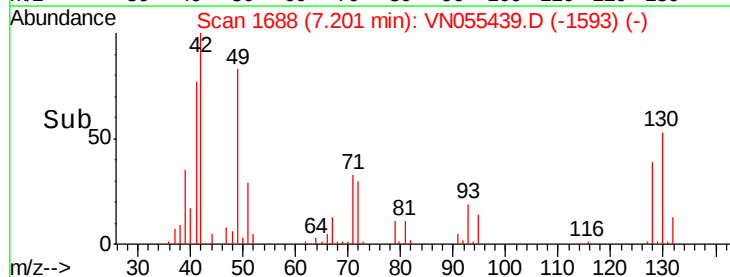
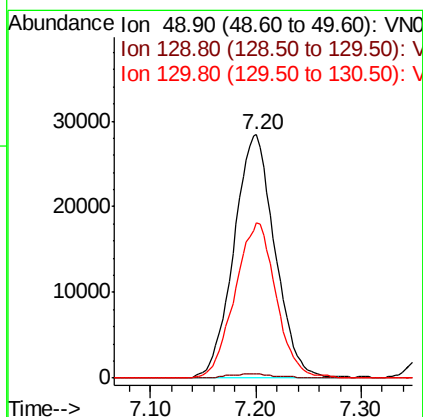
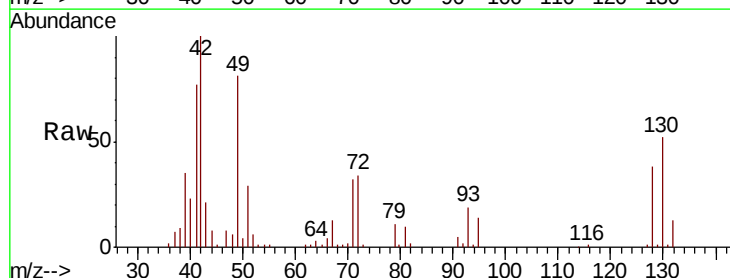
Delta R.T. 0.01 min

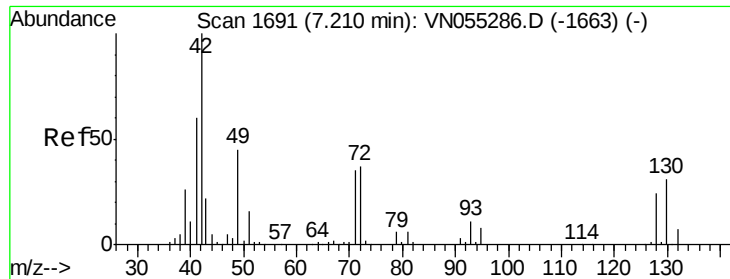
Lab File: VN055439.D

Acq: 7 May 2019 15:54

Tgt Ion: 49 Resp: 76734

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.4
130	63.9	52.0	78.0

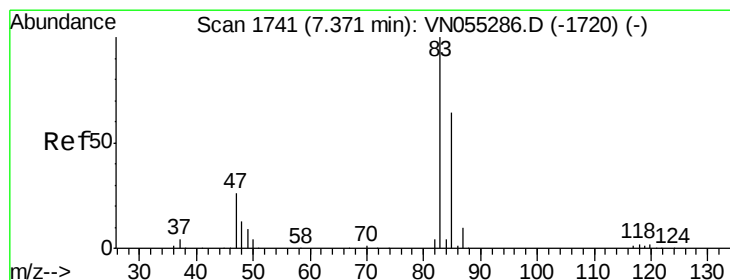
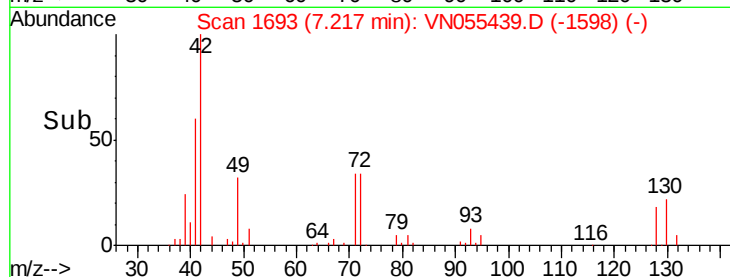
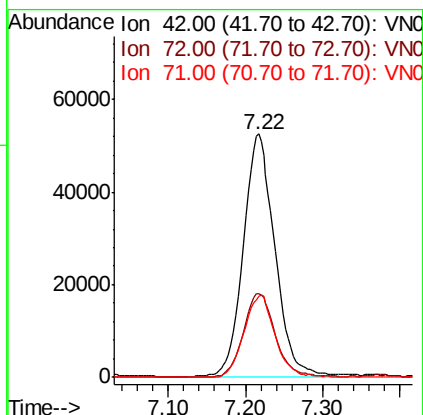
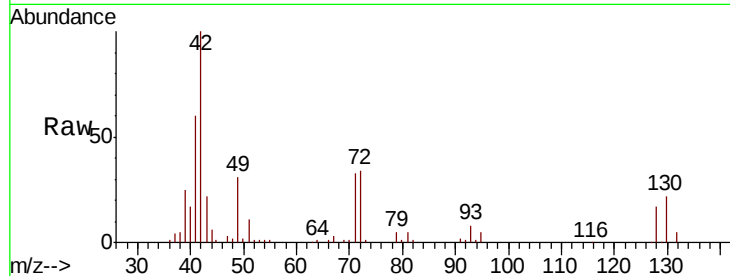




#29
Tetrahydrofuran
Concen: 131.737 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

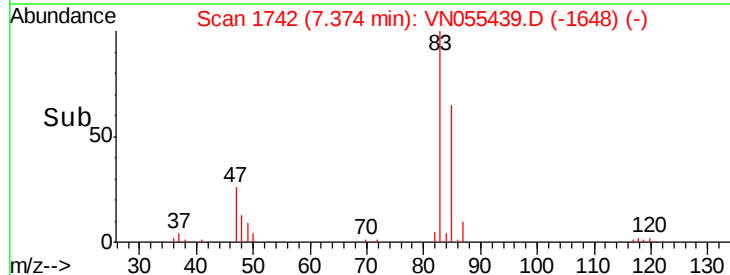
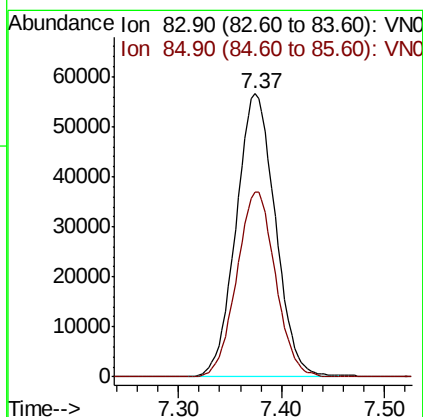
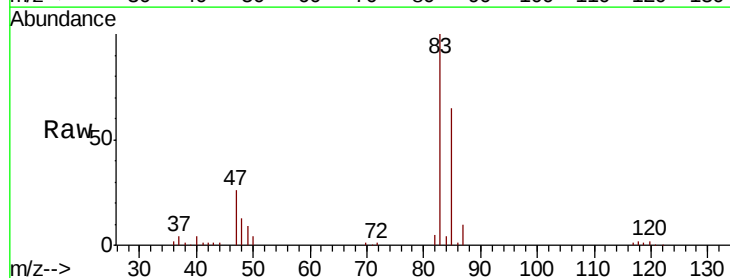
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

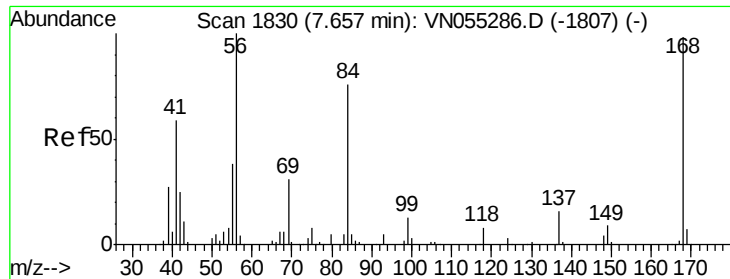
Tgt Ion: 42 Resp: 150389
Ion Ratio Lower Upper
42 100
72 34.6 29.0 43.6
71 33.2 27.1 40.7



#30
Chloroform
Concen: 21.334 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion: 83 Resp: 149798
Ion Ratio Lower Upper
83 100
85 65.2 51.4 77.2

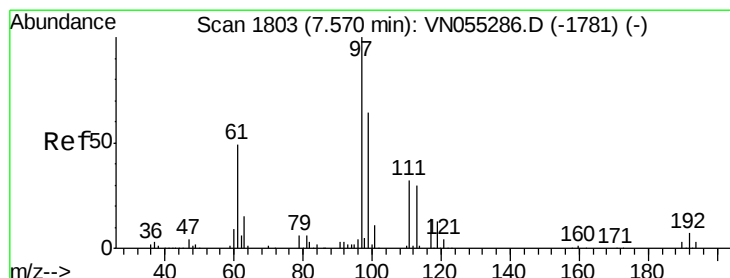
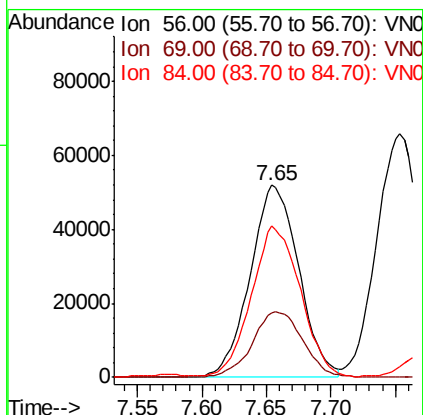
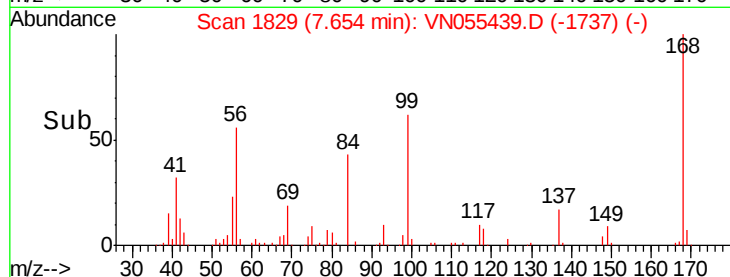
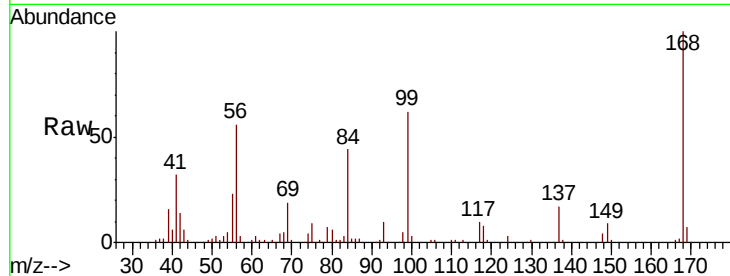




#31
Cyclohexane
Concen: 19.337 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

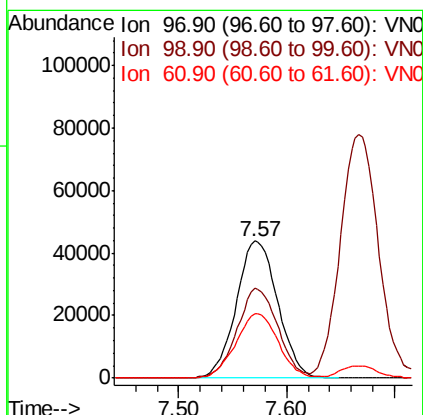
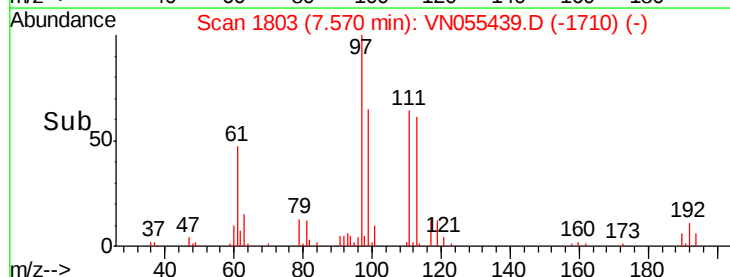
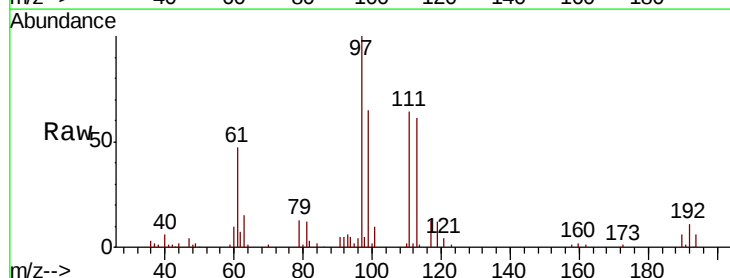
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

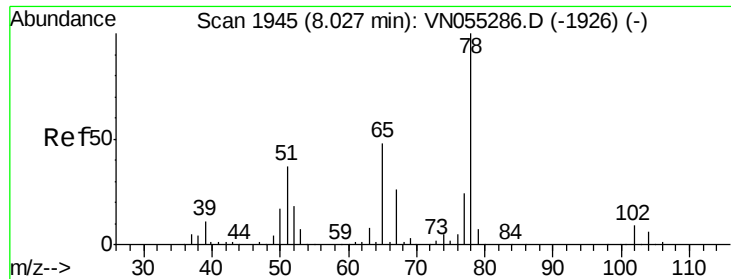
Tgt Ion: 56 Resp: 136084
Ion Ratio Lower Upper
56 100
69 33.9 25.2 37.8
84 78.0 61.1 91.7



#32
1,1,1-Trichloroethane
Concen: 20.613 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion: 97 Resp: 117471
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.8
61 47.9 39.0 58.6

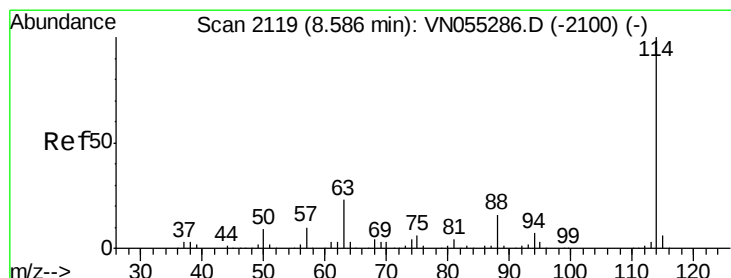
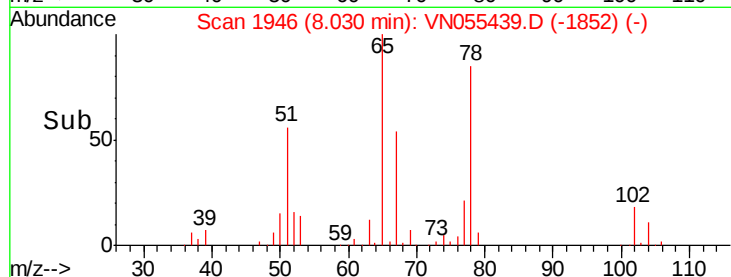
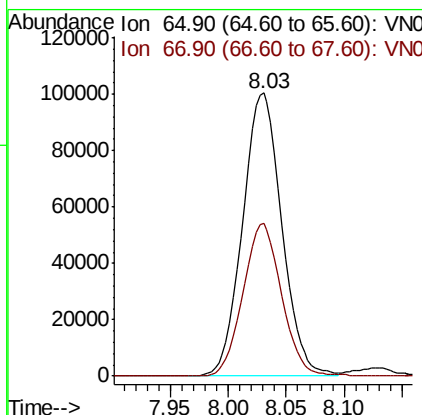
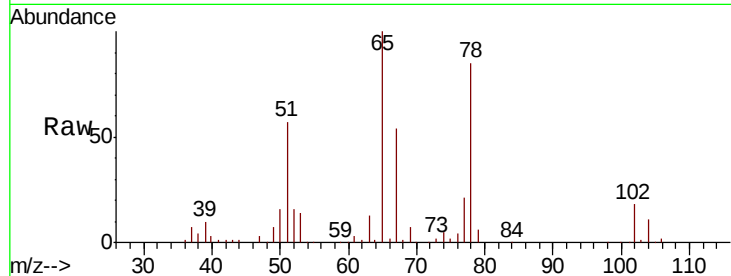




#33
 1,2-Dichloroethane-d4
 Concen: 52.975 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

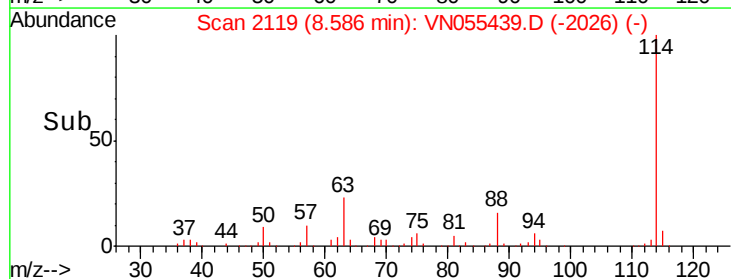
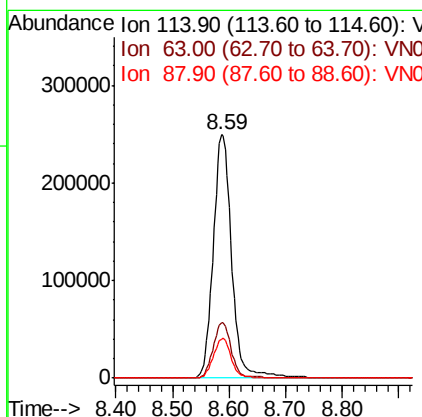
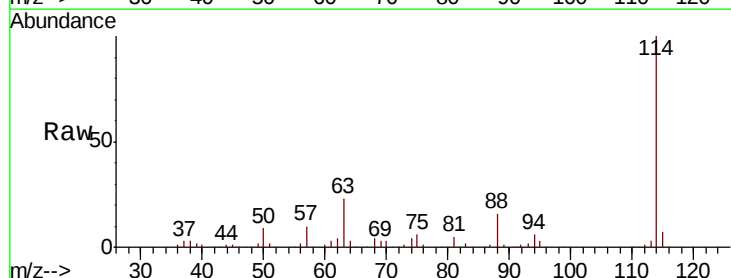
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

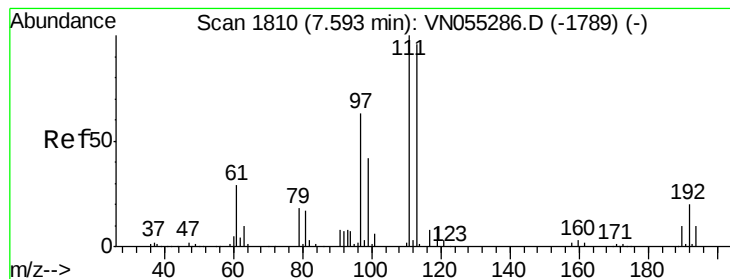
Tgt Ion: 65 Resp: 237014
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion: 114 Resp: 563727
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.2
 88 16.2 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.796 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

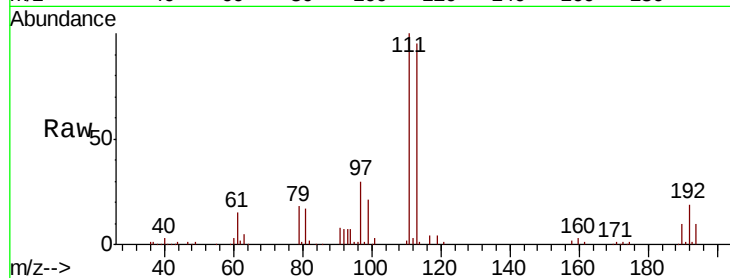
Tgt Ion: 113 Resp: 180549

Ion Ratio Lower Upper

113 100

111 102.6 82.3 123.5

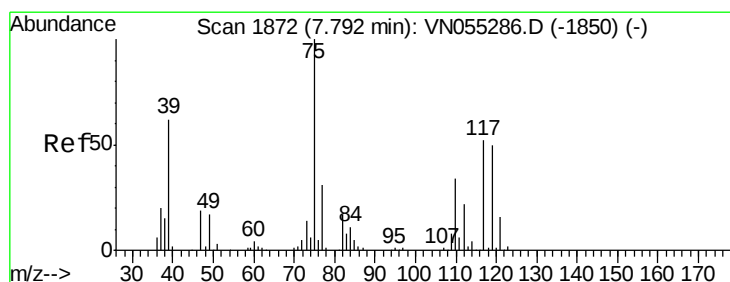
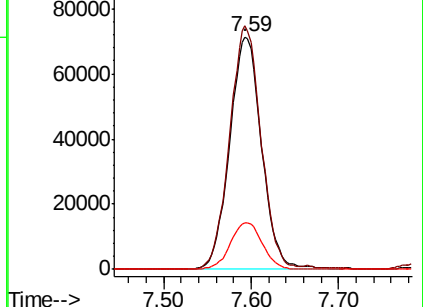
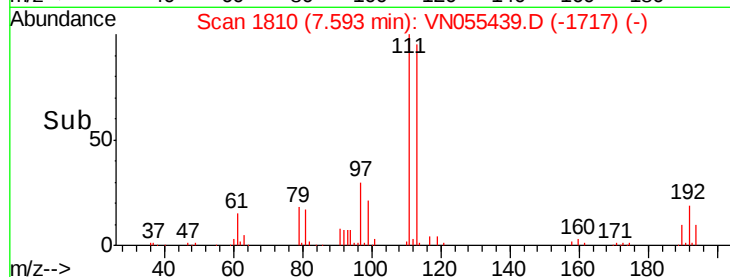
192 20.0 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.425 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

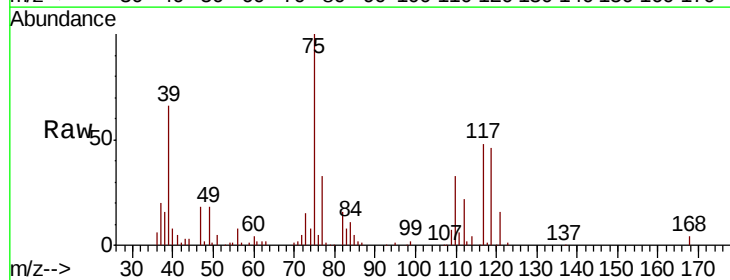
Tgt Ion: 75 Resp: 99490

Ion Ratio Lower Upper

75 100

110 34.0 16.8 50.4

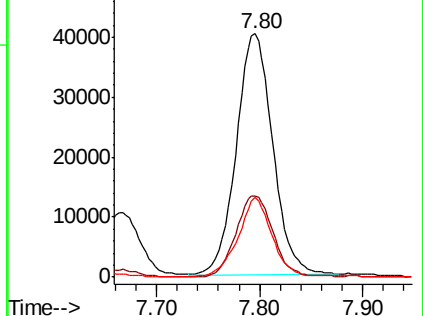
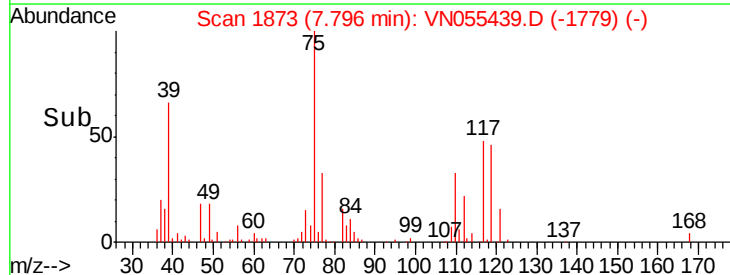
77 30.4 25.0 37.6

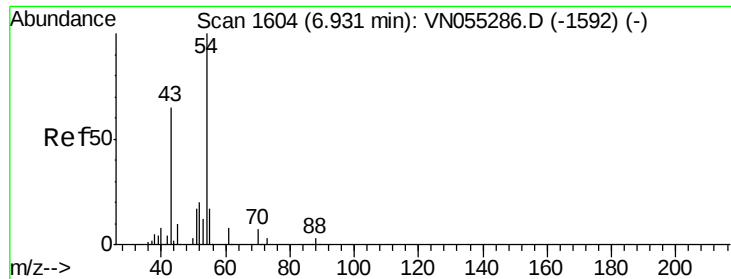


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

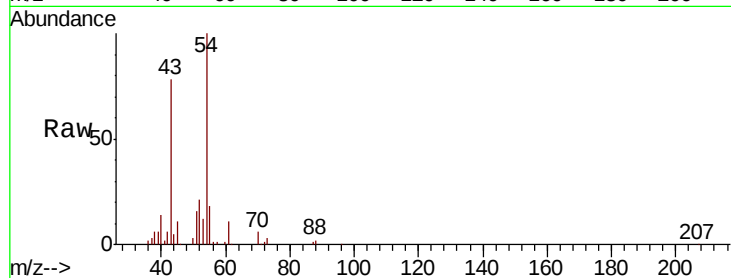




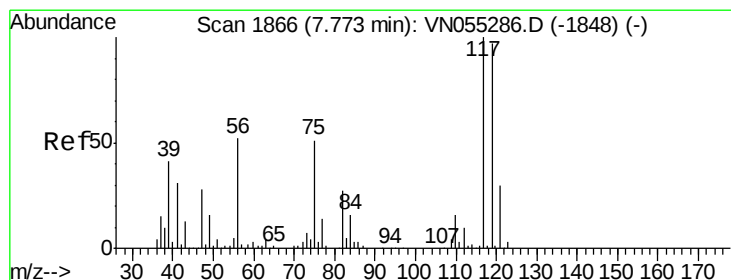
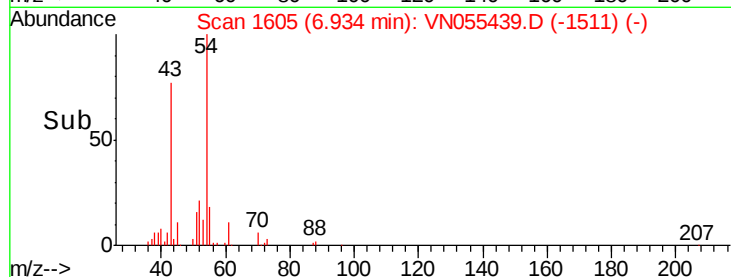
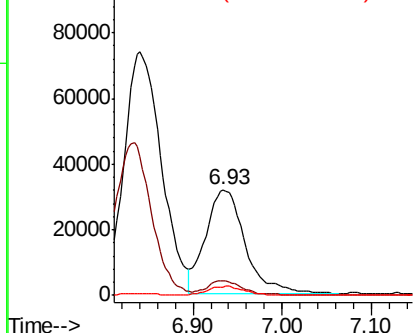
#37
 Ethyl Acetate
 Concen: 23.609 ug/l
 RT: 6.93 min Scan# 1605
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Tgt Ion: 43 Resp: 97702
 Ion Ratio Lower Upper
 43 100
 61 12.9 10.4 15.6
 70 8.1 6.6 10.0

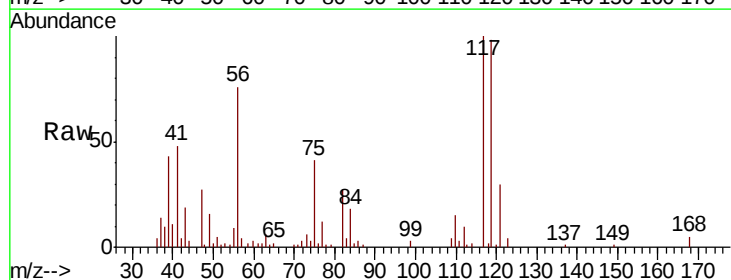


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0

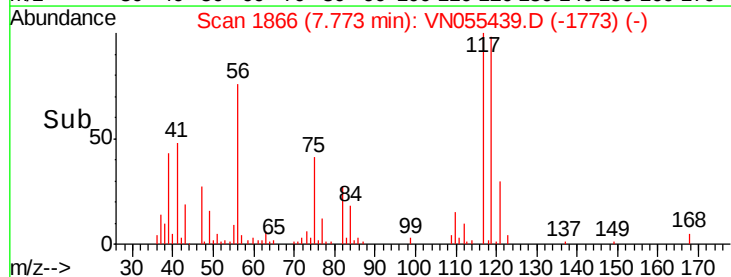
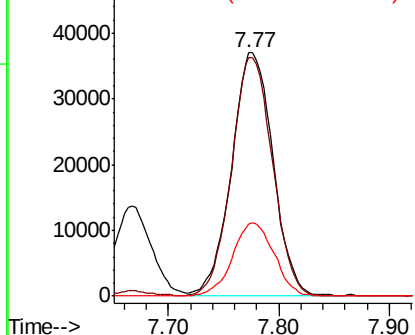


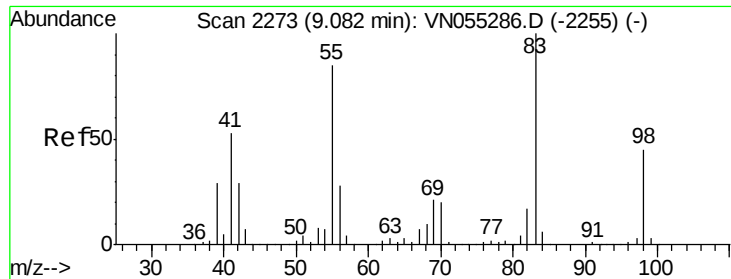
#38
 Carbon Tetrachloride
 Concen: 18.491 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion: 117 Resp: 96315
 Ion Ratio Lower Upper
 117 100
 119 98.1 77.0 115.6
 121 29.7 23.8 35.8



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

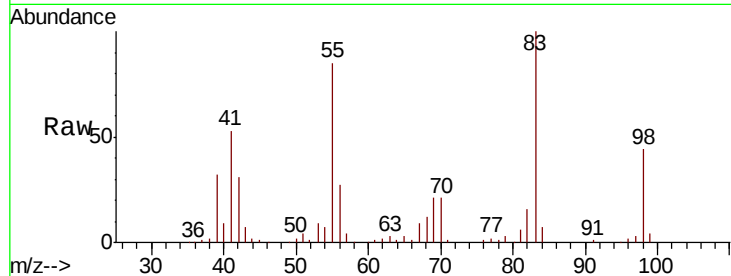




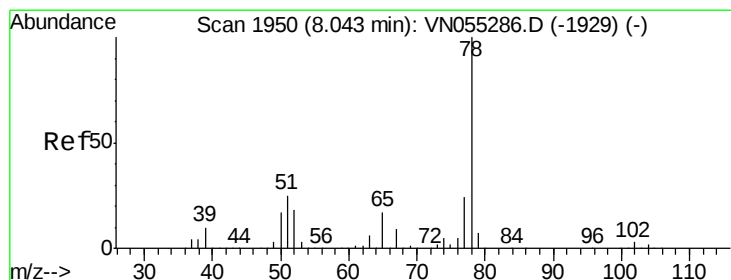
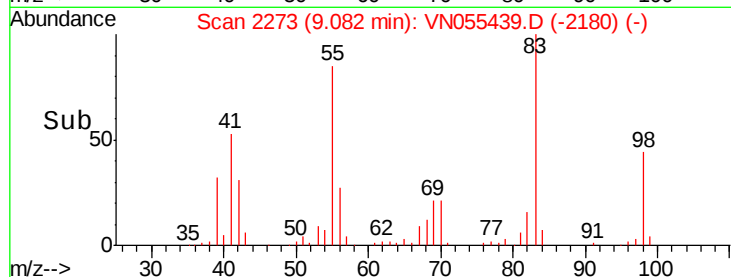
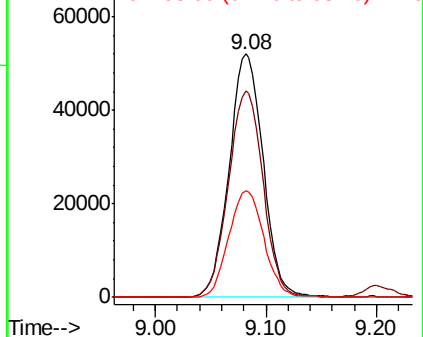
#39
Methylcyclohexane
Concen: 19.369 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tgt Ion: 83 Resp: 111196
Ion Ratio Lower Upper
83 100
55 84.9 67.8 101.6
98 43.9 36.2 54.4

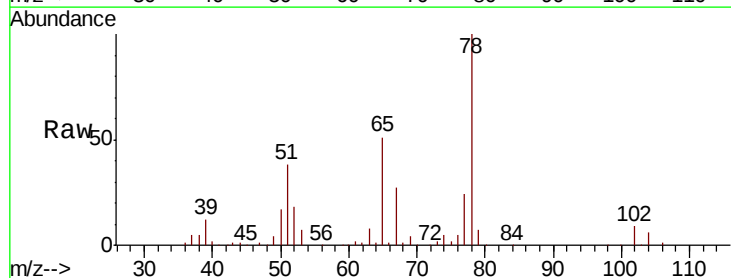


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

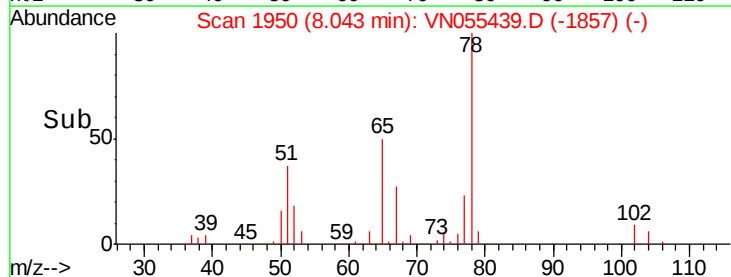
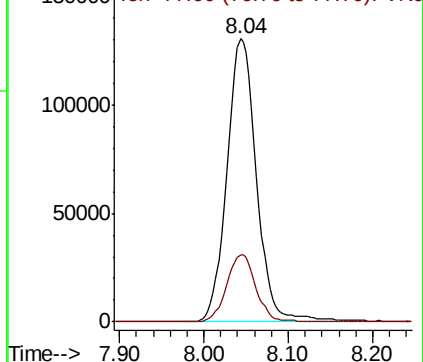


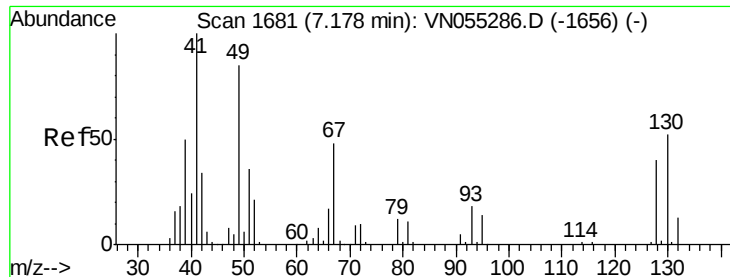
#40
Benzene
Concen: 19.959 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion: 78 Resp: 317695
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

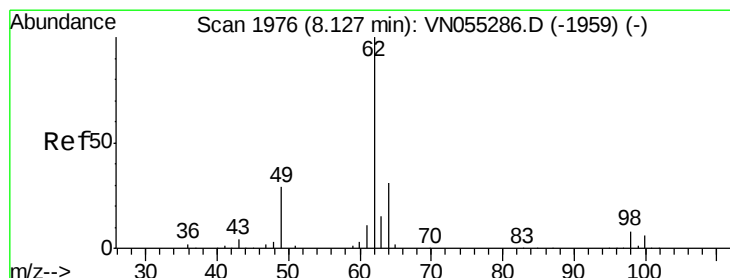
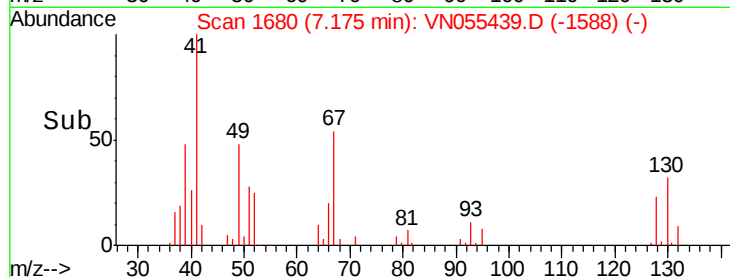
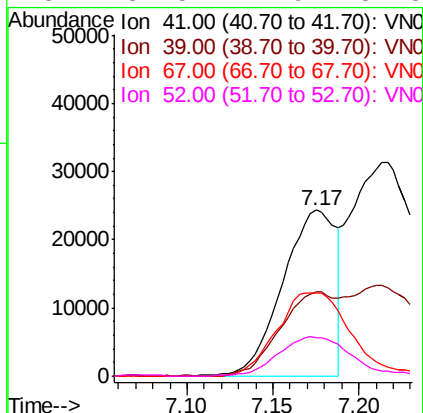
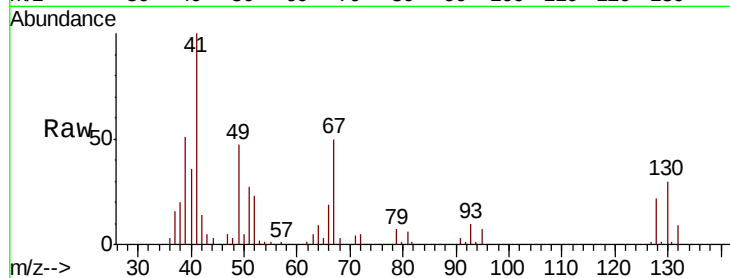




#41
Methacrylonitrile
Concen: 23.891 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

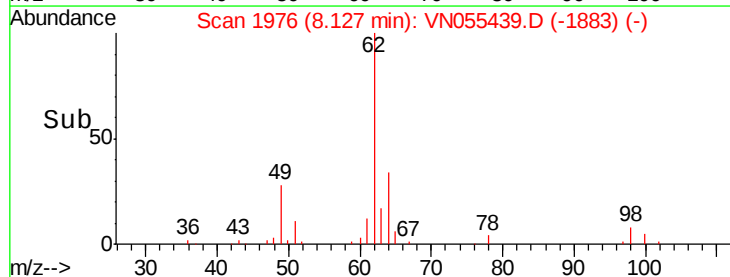
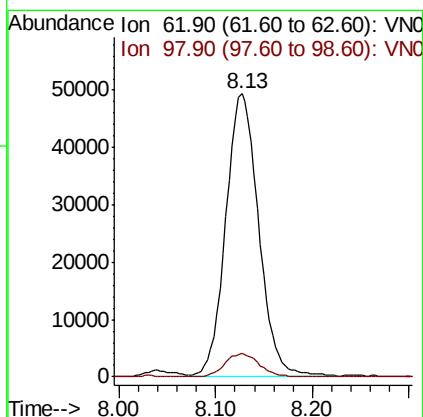
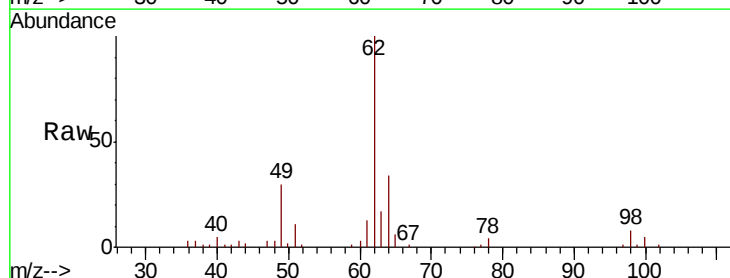
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

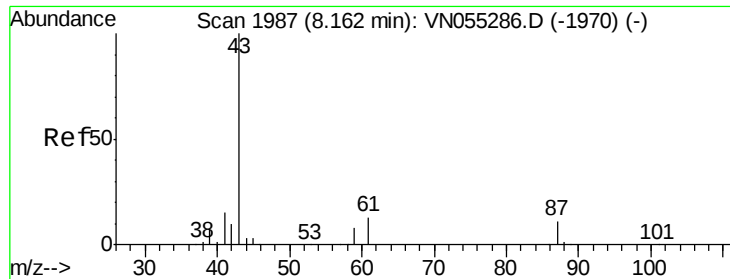
Tgt Ion:	41	Resp:	52632
Ion	Ratio	Lower	Upper
41	100		
39	53.0	48.5	72.7
67	70.5	54.9	82.3
52	32.5	24.9	37.3



#42
1,2-Dichloroethane
Concen: 20.630 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion:	62	Resp:	116305
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.4





#43

Isopropyl Acetate

Concen: 24.634 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

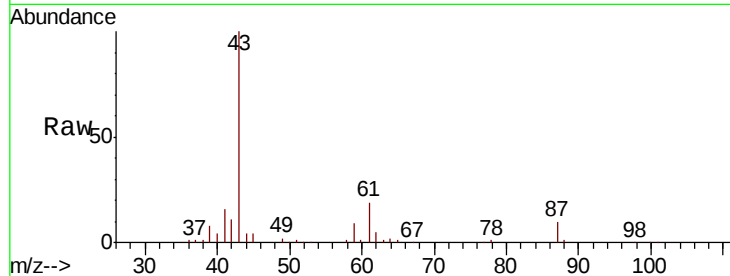
Tgt Ion: 43 Resp: 163833

Ion Ratio Lower Upper

43 100

61 18.9 20.8 31.2#

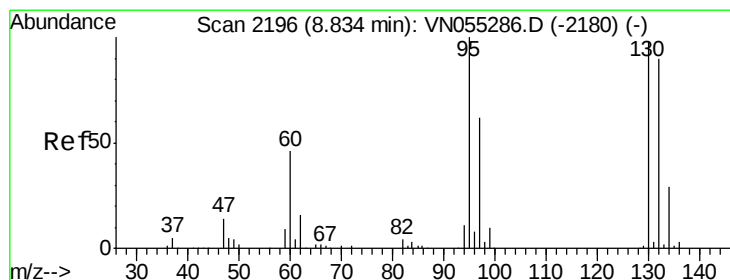
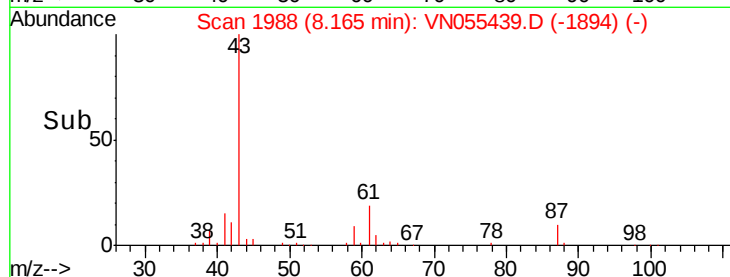
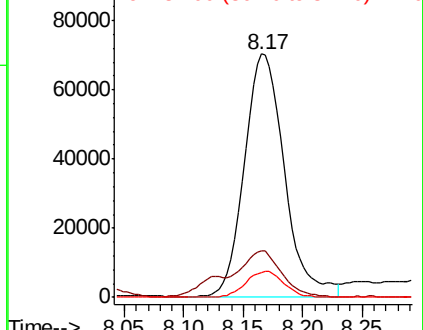
87 10.2 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.311 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055439.D

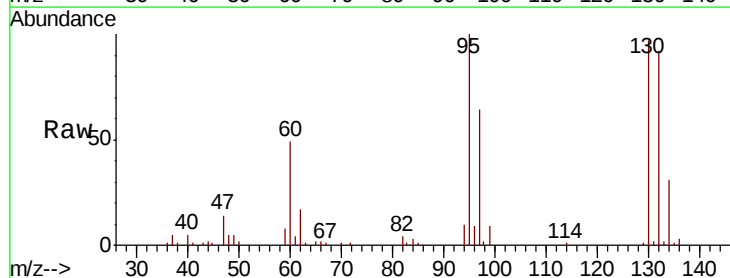
Acq: 7 May 2019 15:54

Tgt Ion: 130 Resp: 78361

Ion Ratio Lower Upper

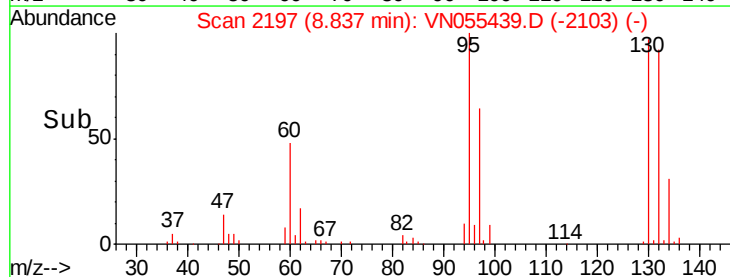
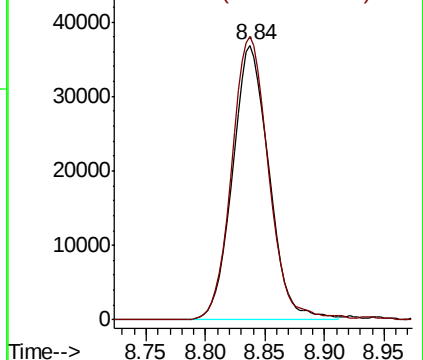
130 100

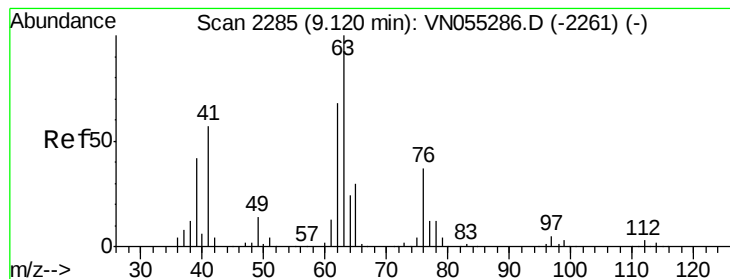
95 102.9 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.222 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

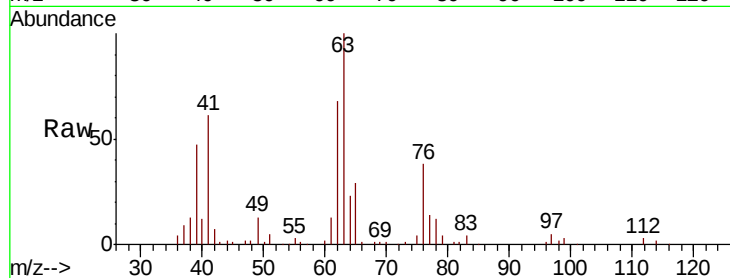
VN0507MBSD01

Tgt Ion: 63 Resp: 92840

Ion Ratio Lower Upper

63 100

65 29.0 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

50000

40000

30000

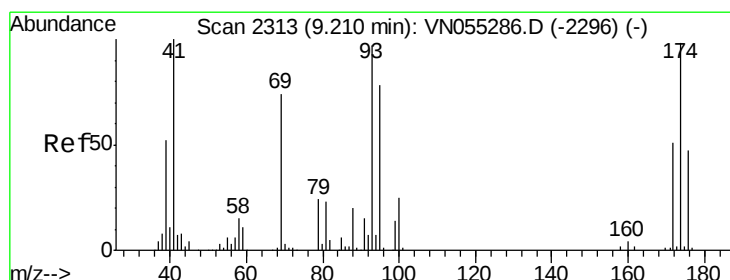
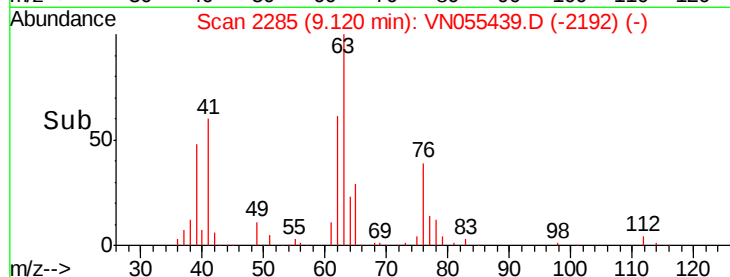
20000

10000

0

Time-->

9.00 9.05 9.10 9.15 9.20



#46

Dibromomethane

Concen: 20.619 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

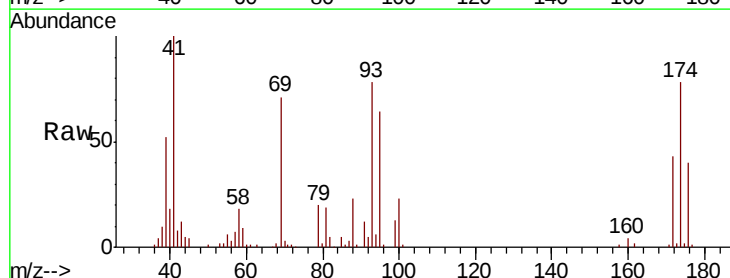
Tgt Ion: 93 Resp: 51741

Ion Ratio Lower Upper

93 100

95 83.2 65.7 98.5

174 99.8 81.5 122.3



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

30000

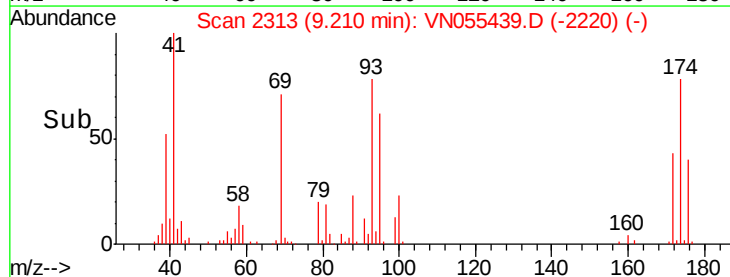
20000

10000

0

Time-->

9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 20.442 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

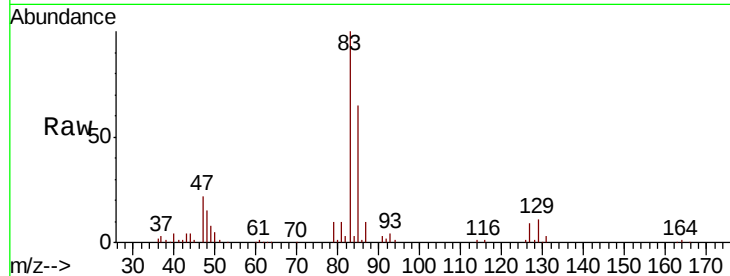
Tgt Ion: 83 Resp: 110050

Ion Ratio Lower Upper

83 100

85 65.0 50.1 75.1

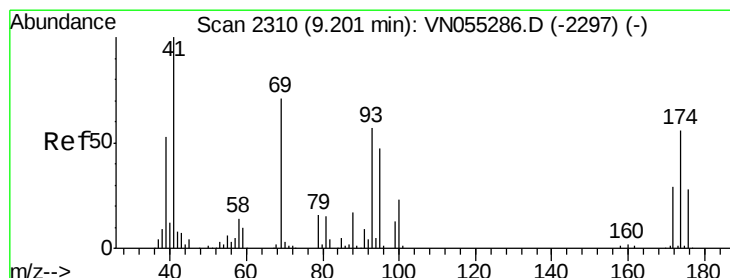
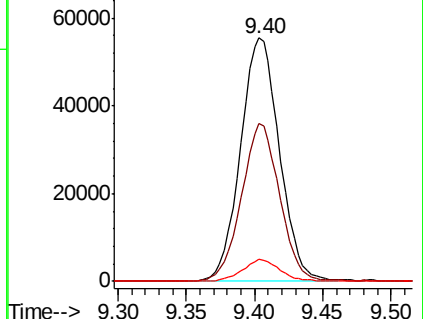
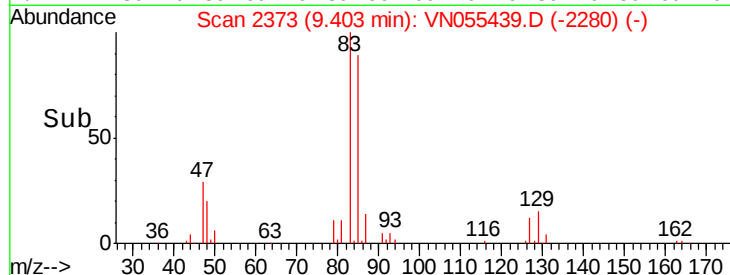
127 9.0 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN055439.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055439.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055439.D (-2280) (-)



#48

Methyl methacrylate

Concen: 23.612 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

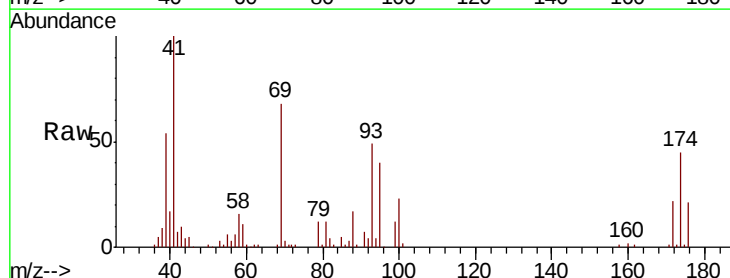
Tgt Ion: 41 Resp: 77198

Ion Ratio Lower Upper

41 100

69 70.6 58.6 87.8

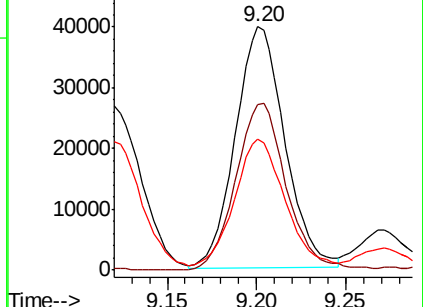
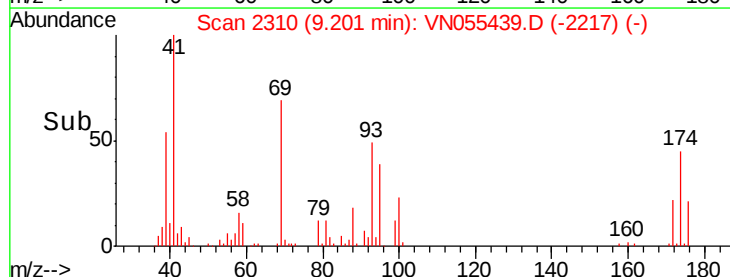
39 54.6 43.8 65.6

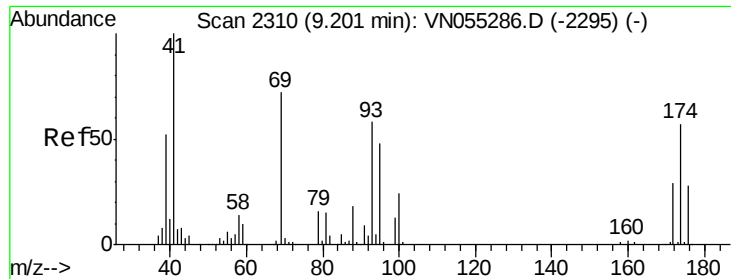


Abundance Ion 41.00 (40.70 to 41.70): VN055439.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055439.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055439.D (-2217) (-)





#49

1,4-Dioxane

Concen: 499.891 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

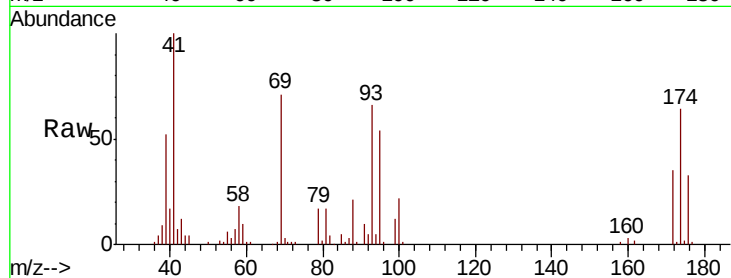
Tgt Ion: 88 Resp: 16895

Ion Ratio Lower Upper

88 100

43 44.6 33.3 49.9

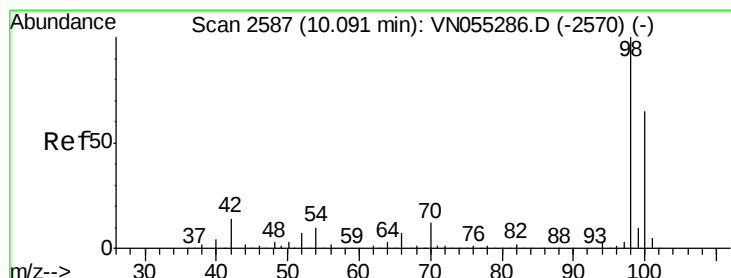
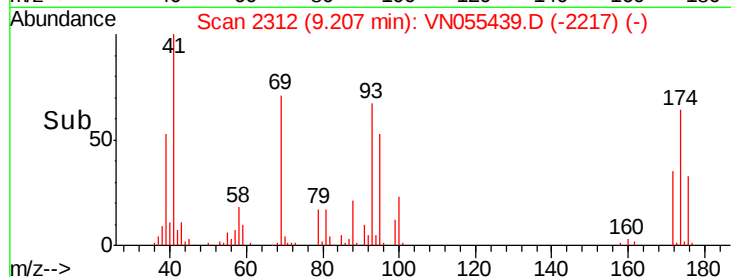
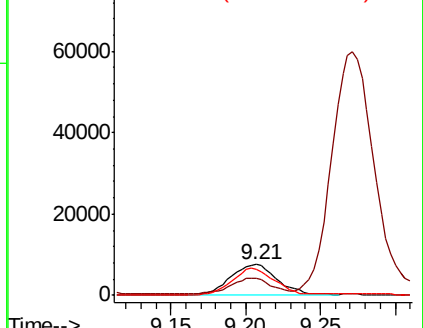
58 79.5 62.7 94.1



Abundance Ion 88.00 (87.70 to 88.70): VN055439.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN055439.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN055439.D (-2217) (-)



#50

Toluene-d8

Concen: 47.826 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055439.D

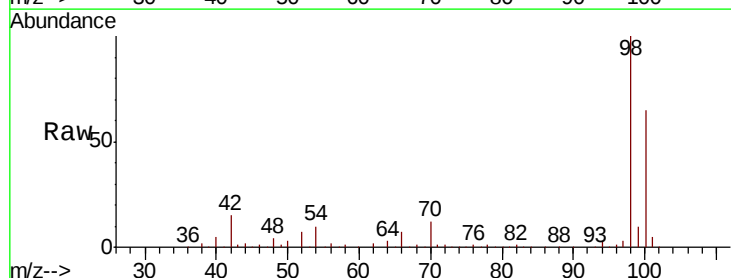
Acq: 7 May 2019 15:54

Tgt Ion: 98 Resp: 638993

Ion Ratio Lower Upper

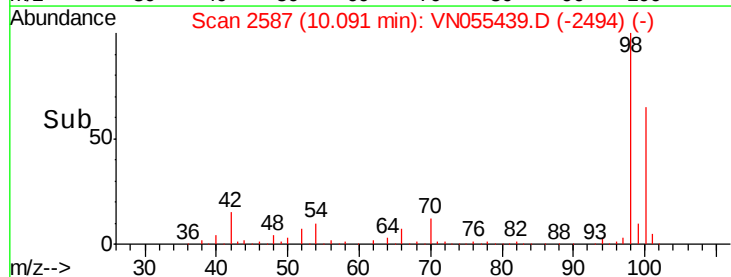
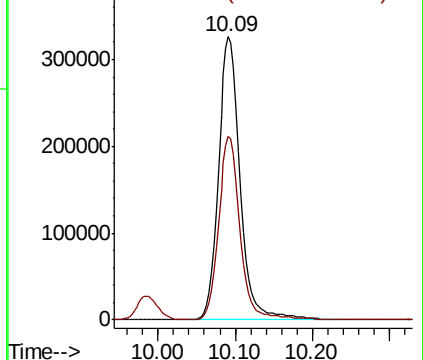
98 100

100 63.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055439.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055439.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 123.503 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

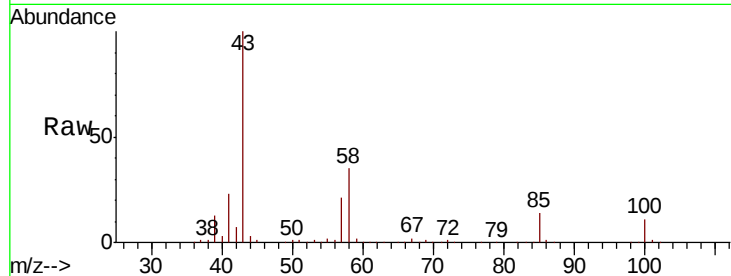
VN0507MBSD01

Tgt Ion: 43 Resp: 462442

Ion Ratio Lower Upper

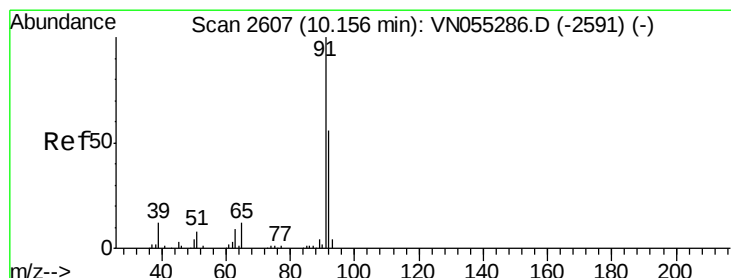
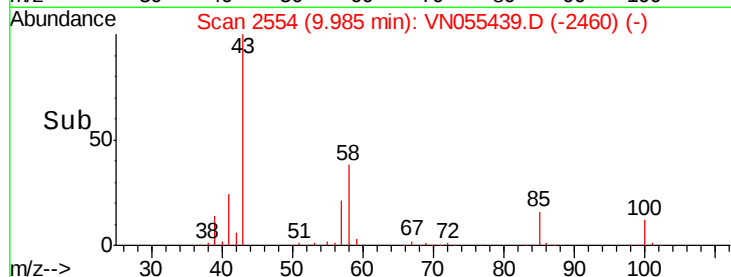
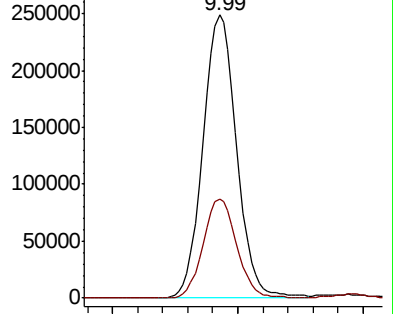
43 100

58 35.3 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.692 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055439.D

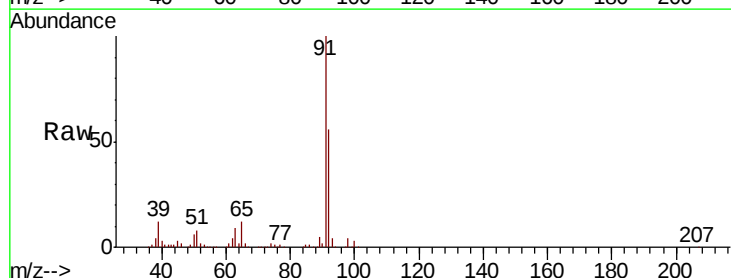
Acq: 7 May 2019 15:54

Tgt Ion: 92 Resp: 179853

Ion Ratio Lower Upper

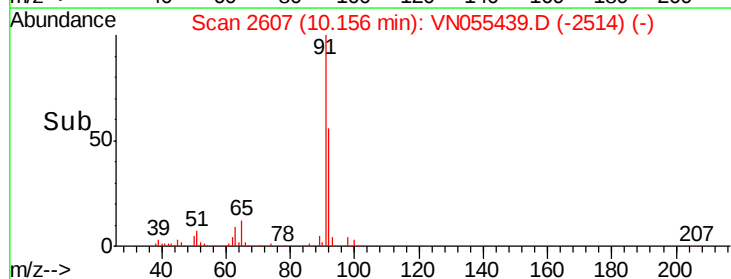
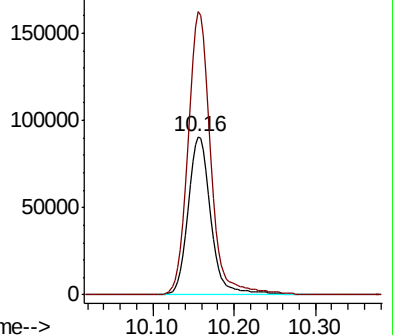
92 100

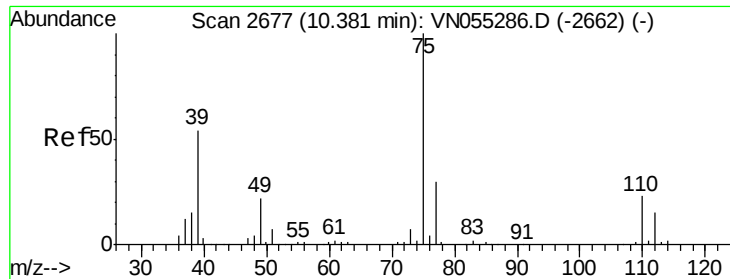
91 178.0 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 20.526 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

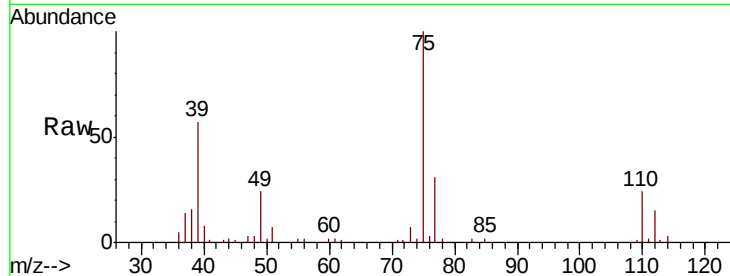
VN0507MBSD01

Tgt Ion: 75 Resp: 95927

Ion Ratio Lower Upper

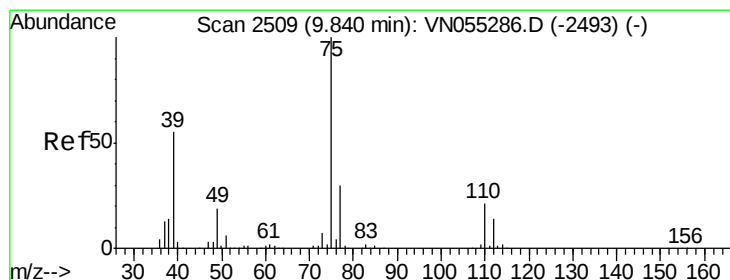
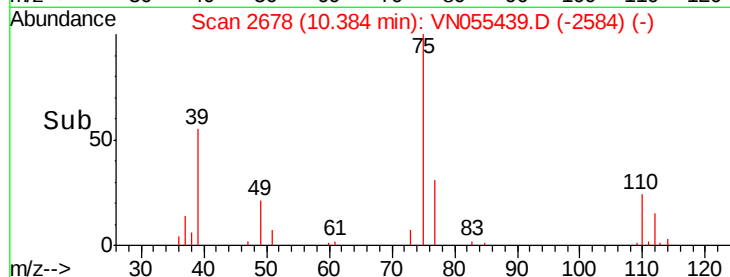
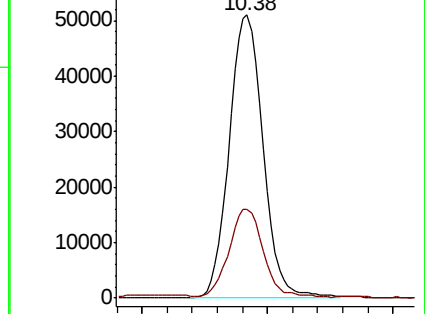
75 100

77 30.7 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VN055439.D (-2584) (-)

Ion 76.90 (76.60 to 77.60): VN055439.D (-2584) (-)



#54

cis-1,3-Dichloropropene

Concen: 20.183 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

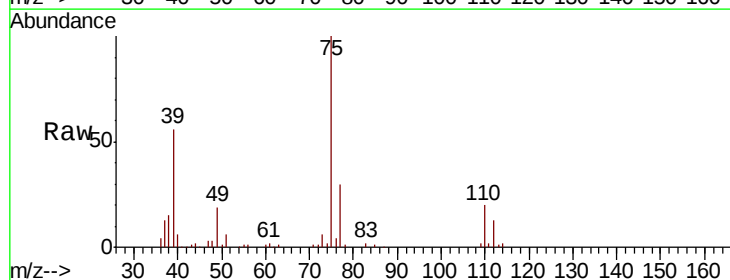
Tgt Ion: 75 Resp: 117601

Ion Ratio Lower Upper

75 100

77 30.4 24.2 36.2

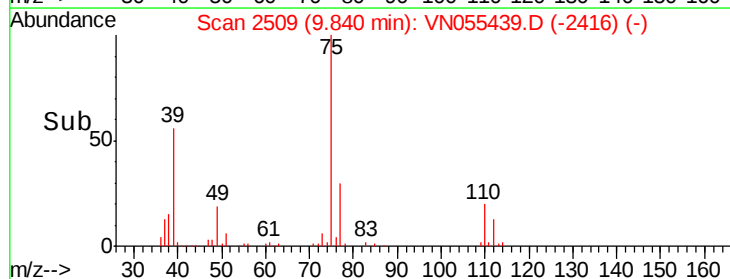
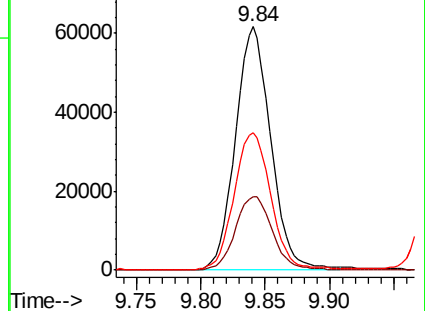
39 55.9 44.2 66.2

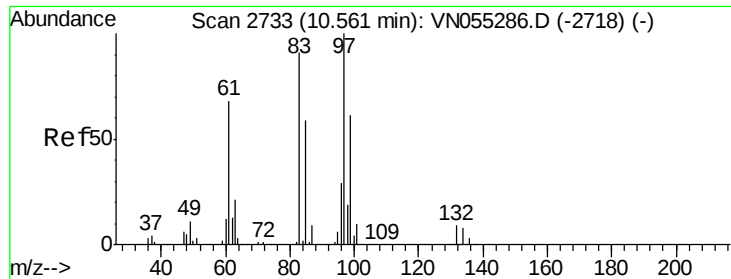


Abundance Ion 74.90 (74.60 to 75.60): VN055439.D (-2416) (-)

Ion 76.90 (76.60 to 77.60): VN055439.D (-2416) (-)

Ion 39.00 (38.70 to 39.70): VN055439.D (-2416) (-)





#55

1,1,2-Trichloroethane

Concen: 21.884 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

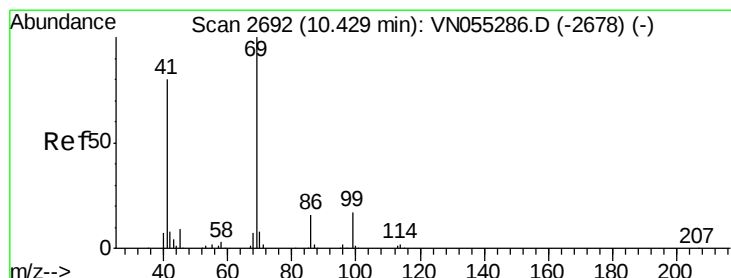
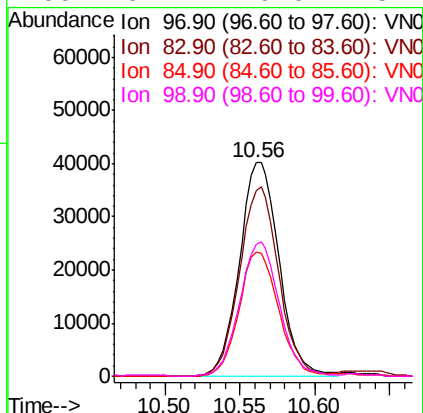
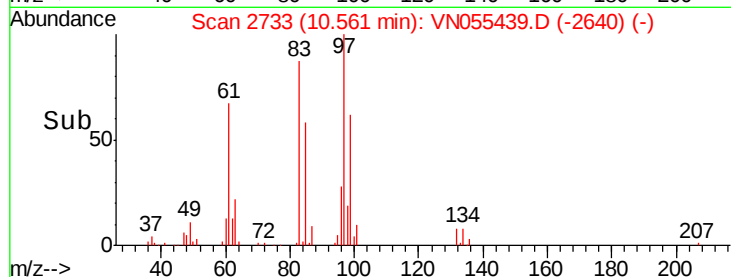
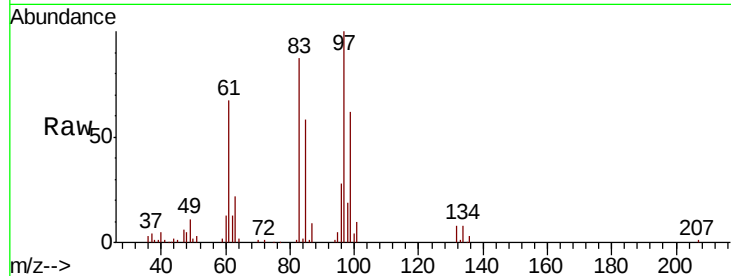
MSVOA_N

ClientSampleId :

VN0507MBSD01

Tgt Ion: 97 Resp: 74220

Ion	Ratio	Lower	Upper
97	100		
83	87.1	72.8	109.2
85	58.3	47.0	70.6
99	61.7	49.0	73.4



#56

Ethyl methacrylate

Concen: 23.154 ug/l

RT: 10.43 min Scan# 2693

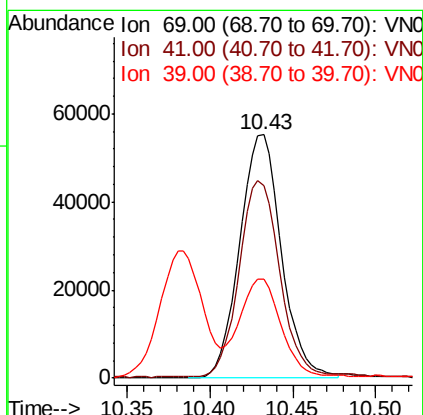
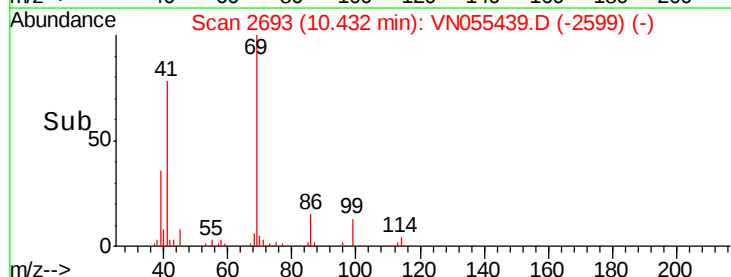
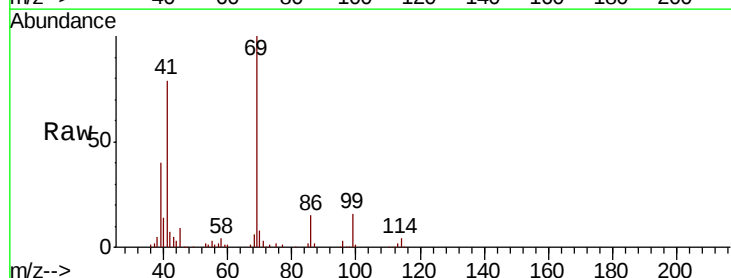
Delta R.T. 0.00 min

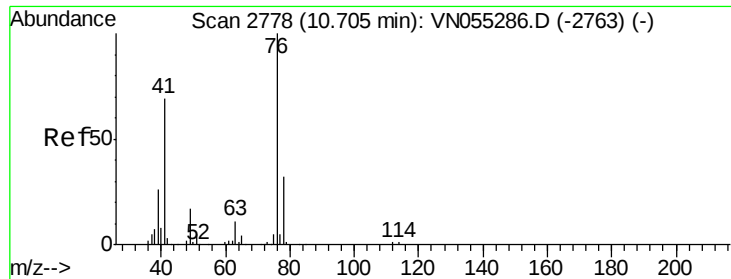
Lab File: VN055439.D

Acq: 7 May 2019 15:54

Tgt Ion: 69 Resp: 96656

Ion	Ratio	Lower	Upper
69	100		
41	78.7	62.7	94.1
39	40.2	32.0	48.0





#57

1,3-Dichloropropane

Concen: 21.184 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

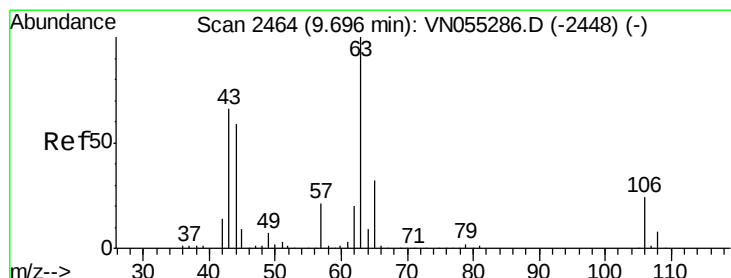
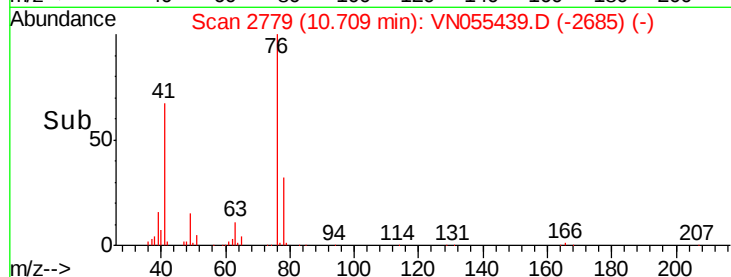
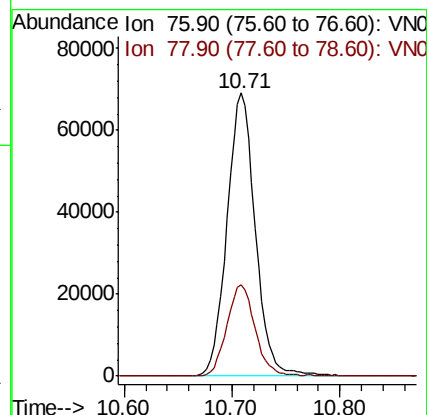
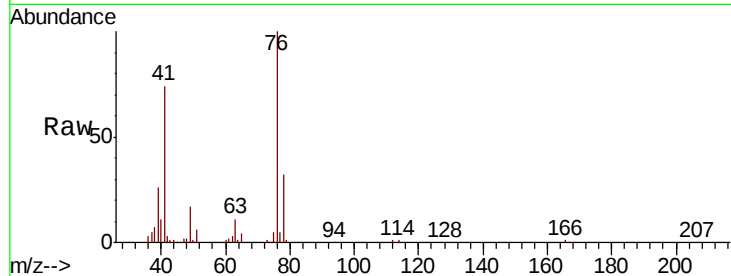
VN0507MBSD01

Tgt Ion: 76 Resp: 126040

Ion Ratio Lower Upper

76 100

78 32.1 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 84.982 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055439.D

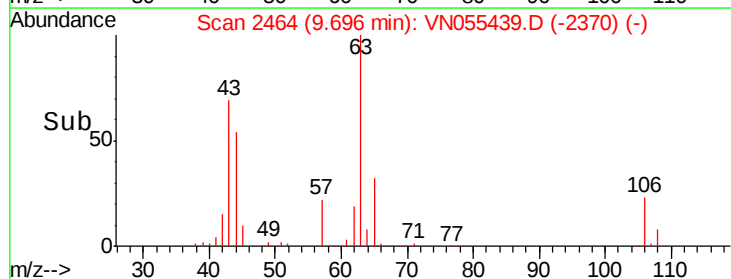
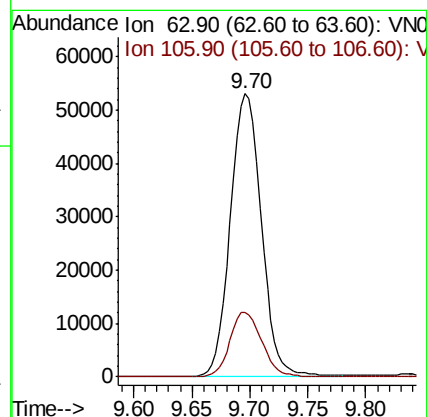
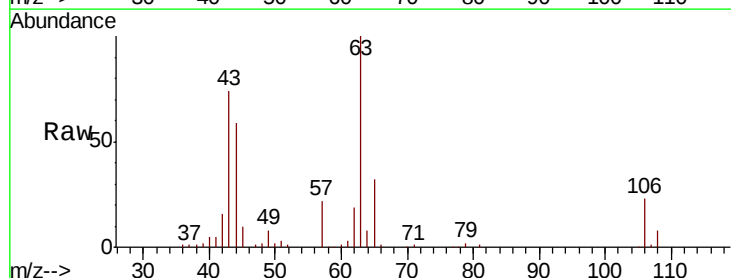
Acq: 7 May 2019 15:54

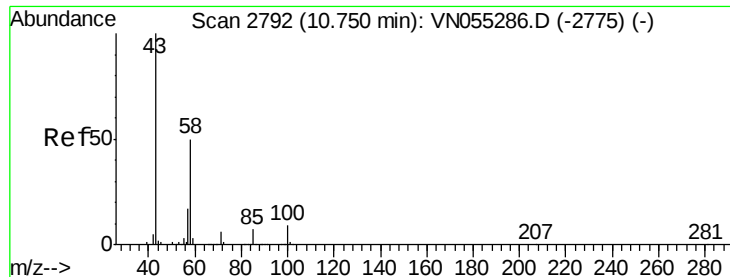
Tgt Ion: 63 Resp: 98935

Ion Ratio Lower Upper

63 100

106 23.5 19.0 28.4

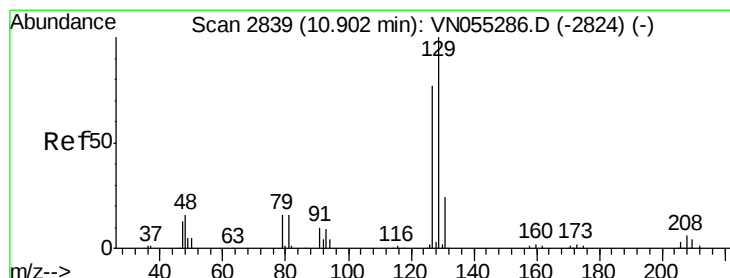
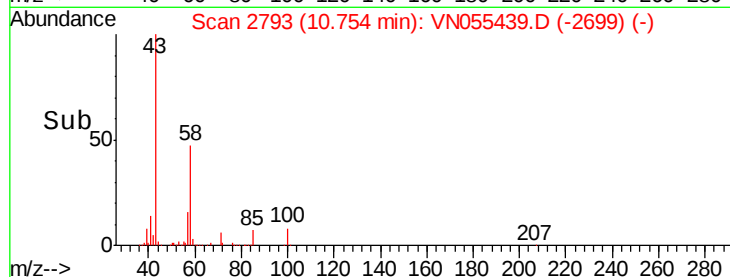
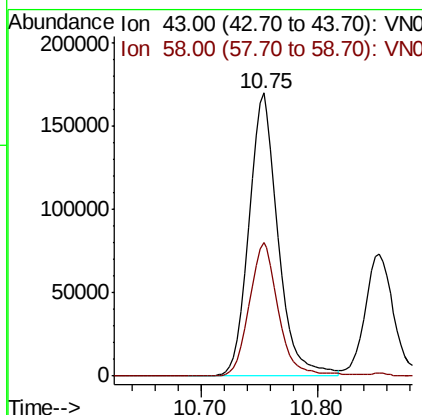
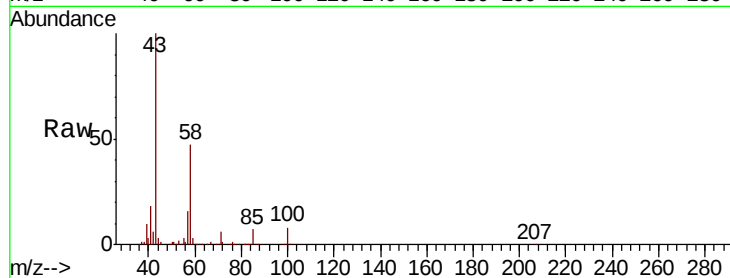




#59
2-Hexanone
Concen: 126.322 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

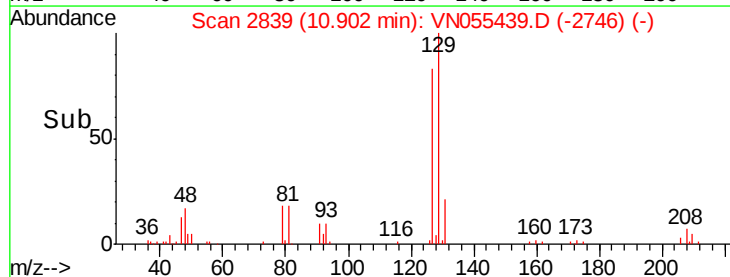
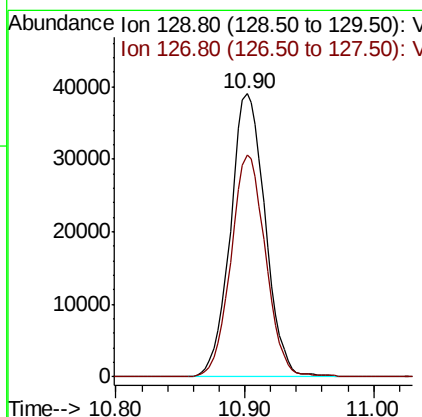
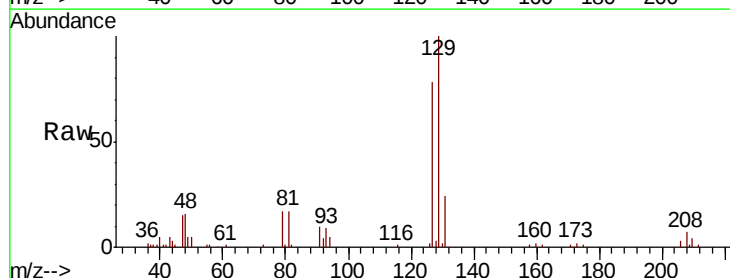
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

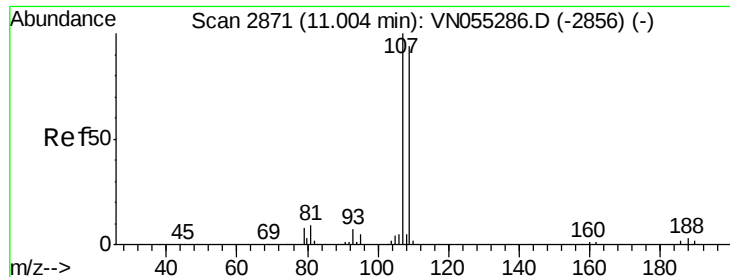
Tgt Ion: 43 Resp: 295949
Ion Ratio Lower Upper
43 100
58 47.8 24.9 74.6



#60
Dibromochloromethane
Concen: 21.126 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion: 129 Resp: 73228
Ion Ratio Lower Upper
129 100
127 78.0 38.1 114.5

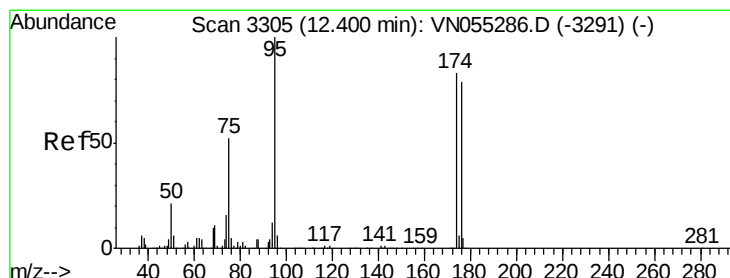
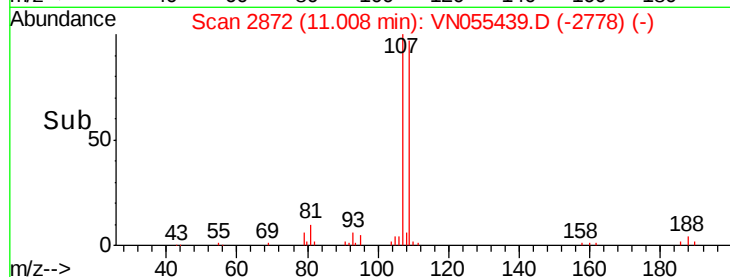
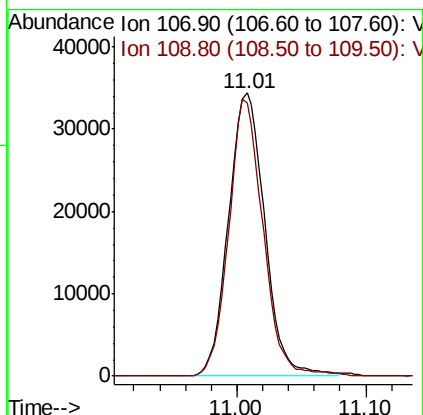
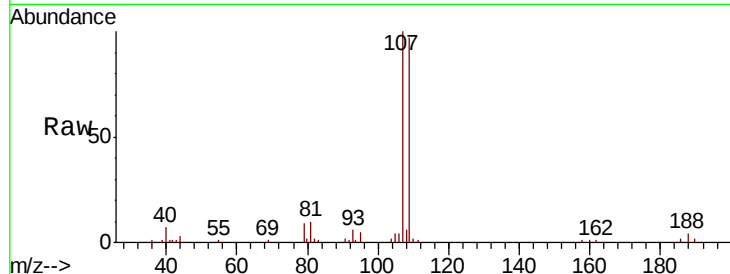




#61
 1,2-Dibromoethane
 Concen: 21.429 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

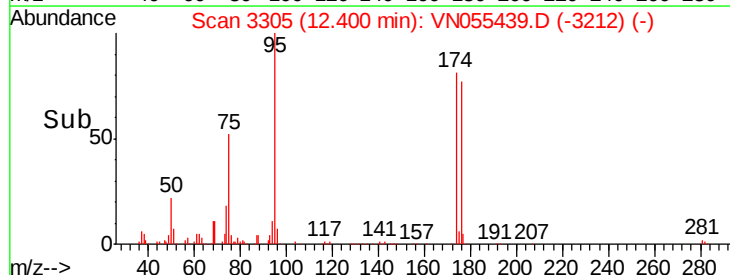
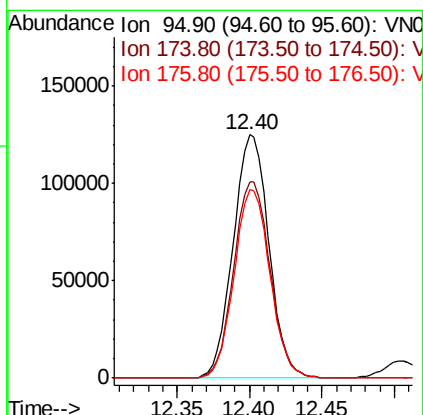
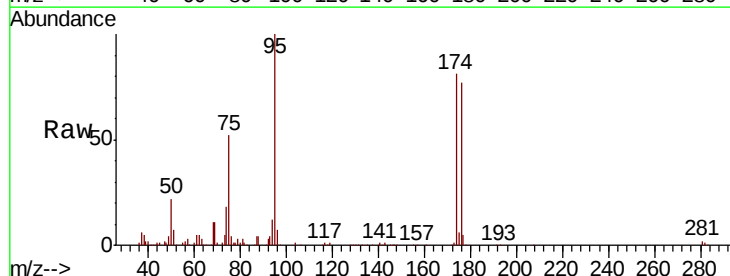
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

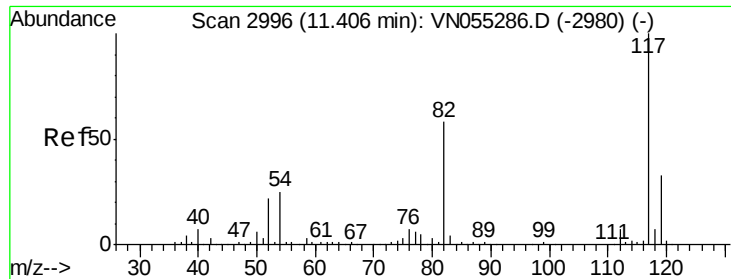
Tgt Ion: 107 Resp: 67174
 Ion Ratio Lower Upper
 107 100
 109 92.4 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 51.406 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion: 95 Resp: 214654
 Ion Ratio Lower Upper
 95 100
 174 81.9 0.0 166.6
 176 77.7 0.0 157.8

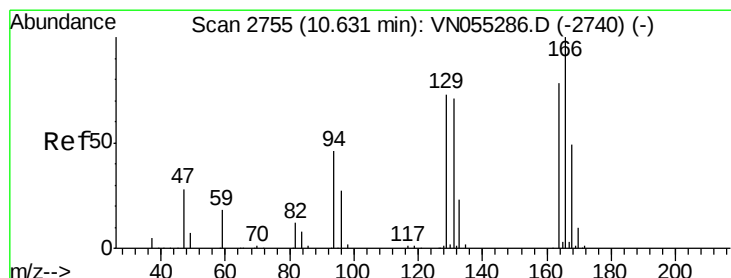
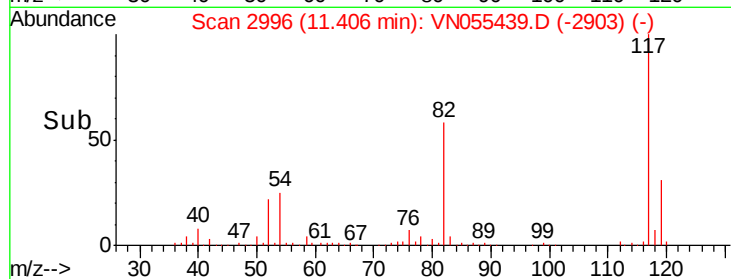
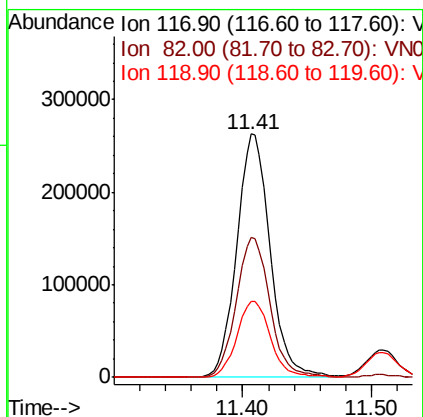
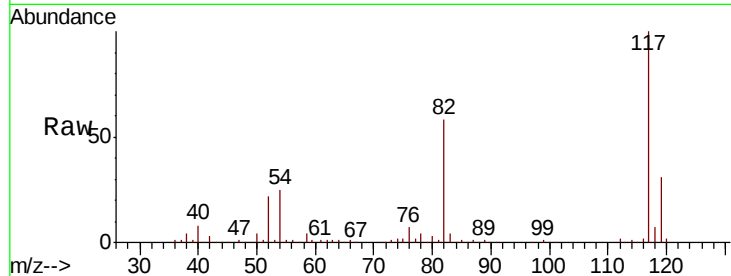




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

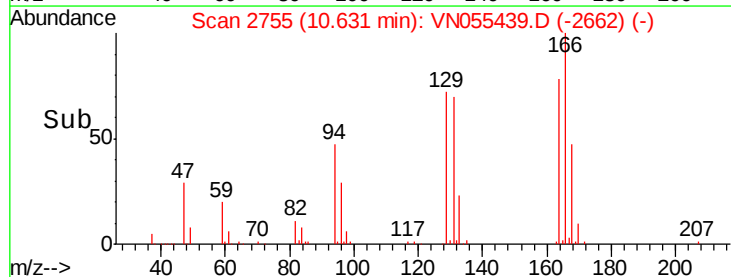
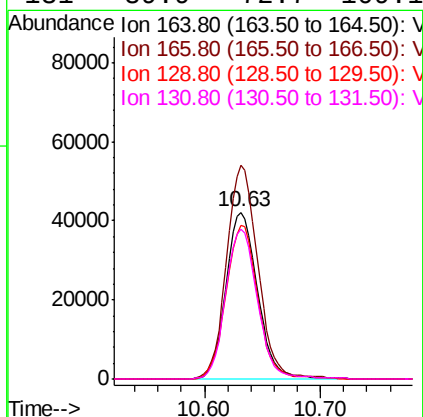
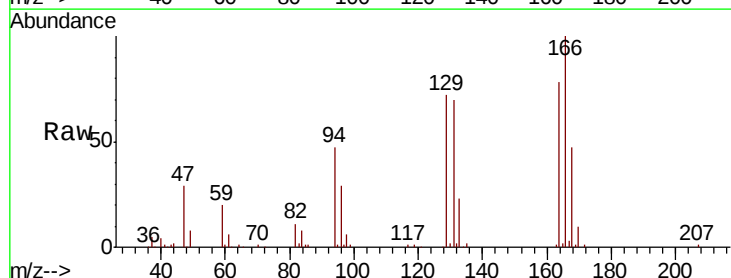
Instrument :
MSVOA_N
ClientSampled :
VN0507MBSD01

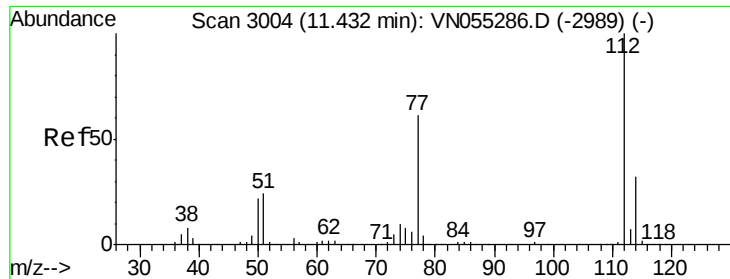
Tgt Ion:117 Resp: 473059
Ion Ratio Lower Upper
117 100
82 57.5 46.2 69.4
119 31.4 26.6 40.0



#64
Tetrachloroethene
Concen: 20.505 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion:164 Resp: 79325
Ion Ratio Lower Upper
164 100
166 127.9 102.3 153.5
129 91.9 75.0 112.6
131 89.9 72.7 109.1

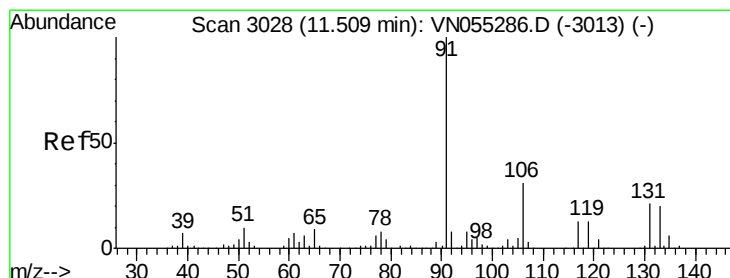
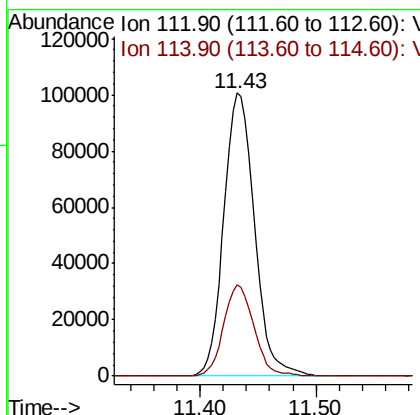
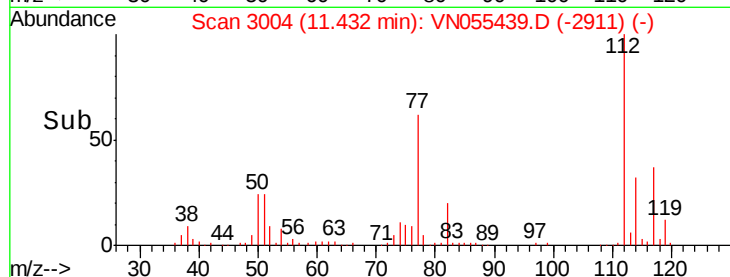
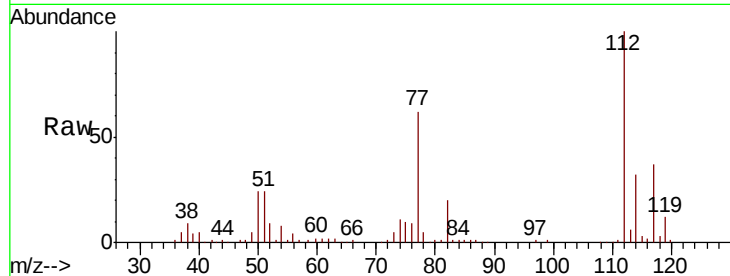




#65
Chlorobenzene
Concen: 19.915 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

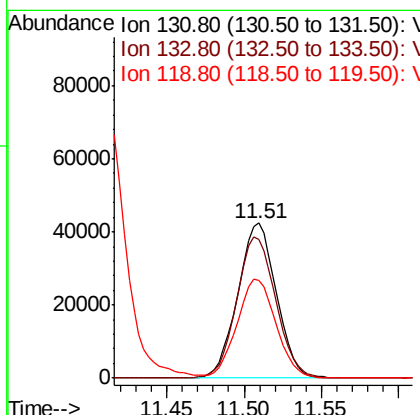
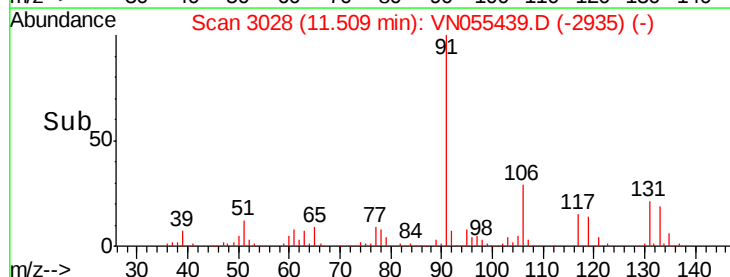
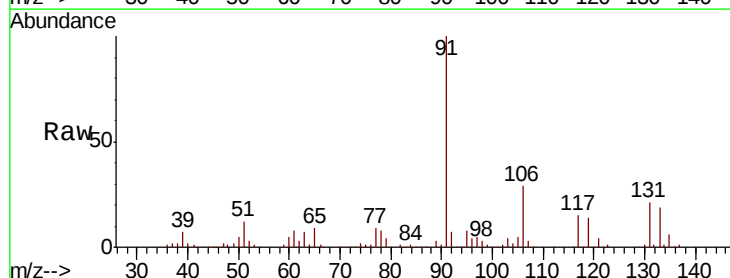
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

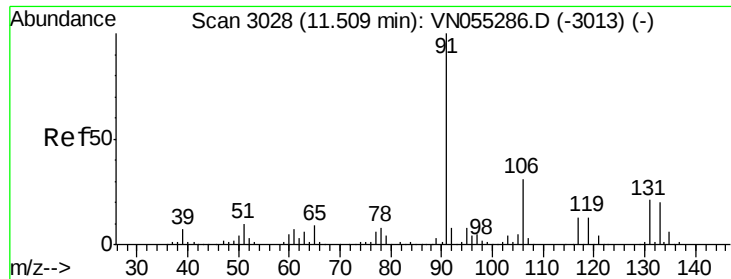
Tgt Ion:112 Resp: 184193
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.312 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion:131 Resp: 73560
Ion Ratio Lower Upper
131 100
133 92.5 47.5 142.6
119 64.5 32.7 98.1

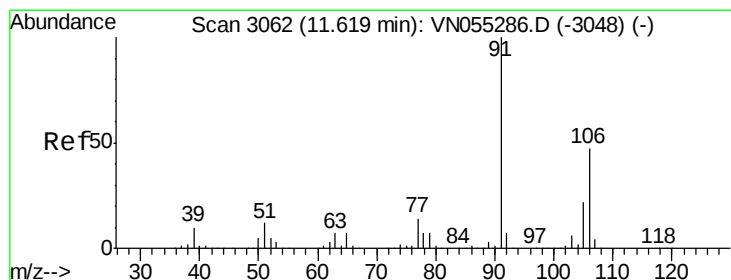
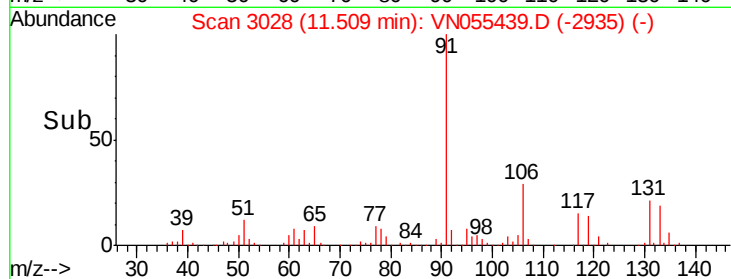
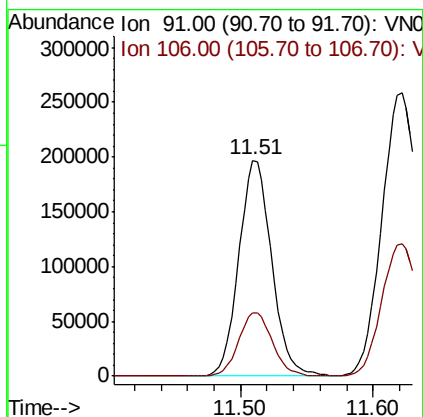
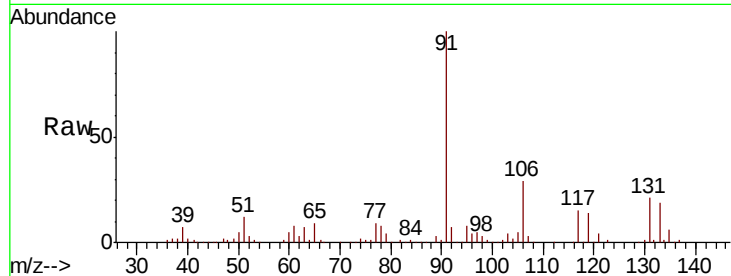




#67
 Ethyl Benzene
 Concen: 20.327 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

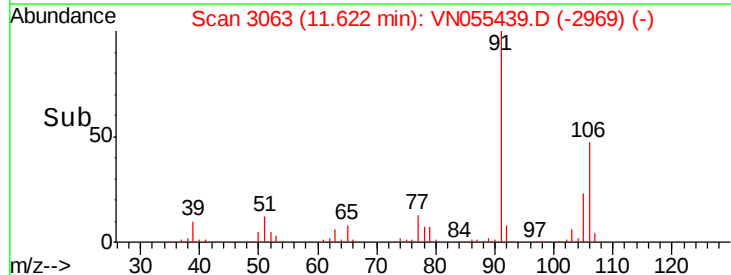
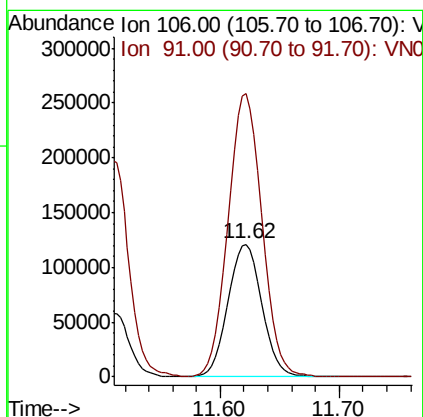
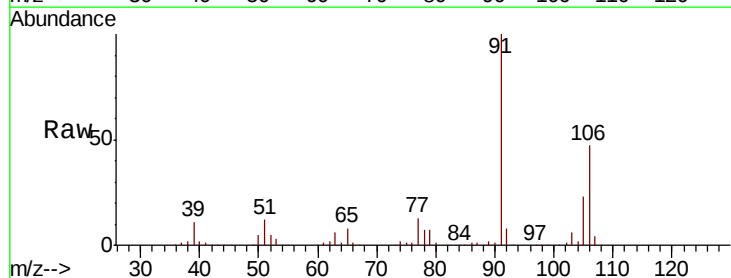
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

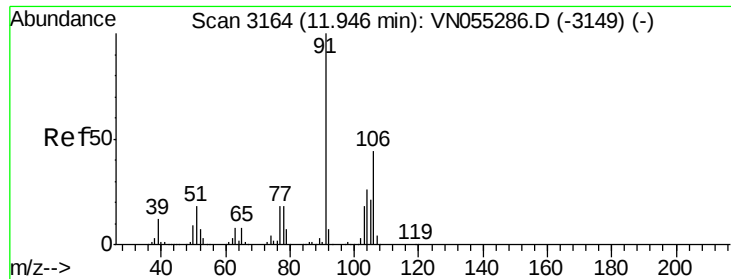
Tgt Ion: 91 Resp: 339503
 Ion Ratio Lower Upper
 91 100
 106 29.4 24.6 36.8



#68
 m/p-Xylenes
 Concen: 40.244 ug/l
 RT: 11.62 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion: 106 Resp: 239918
 Ion Ratio Lower Upper
 106 100
 91 212.5 169.5 254.3

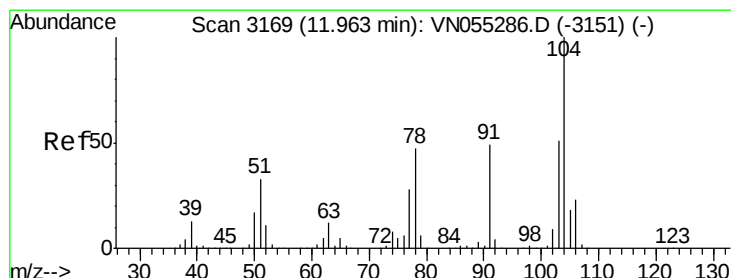
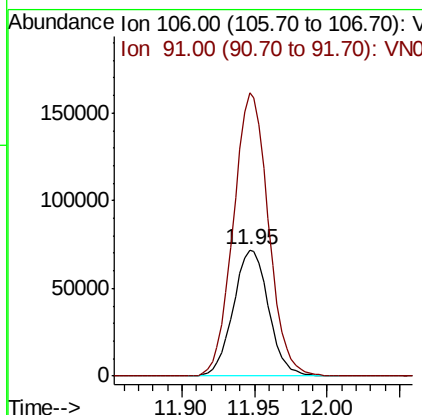
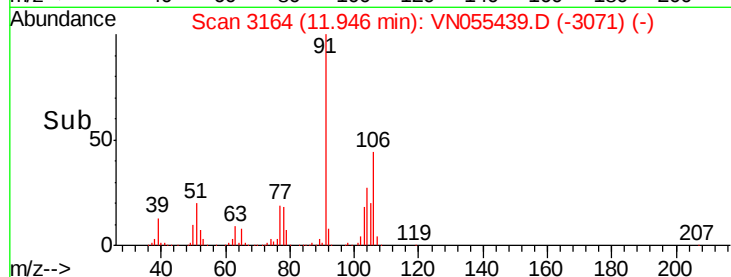
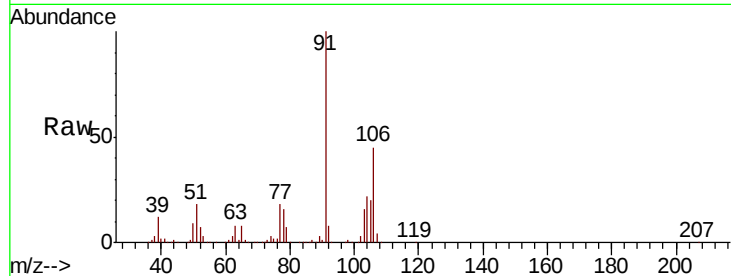




#69
o-Xylene
Concen: 20.584 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

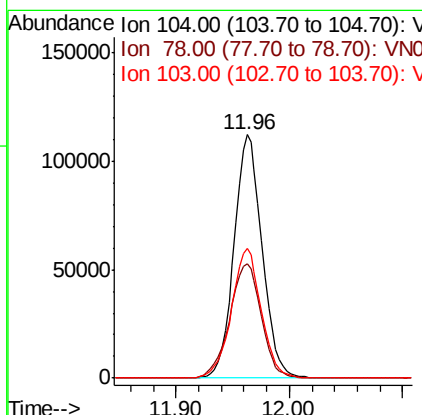
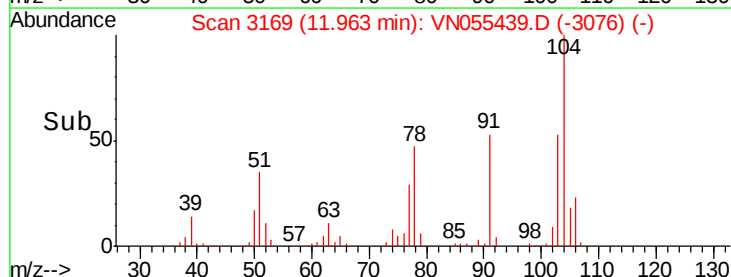
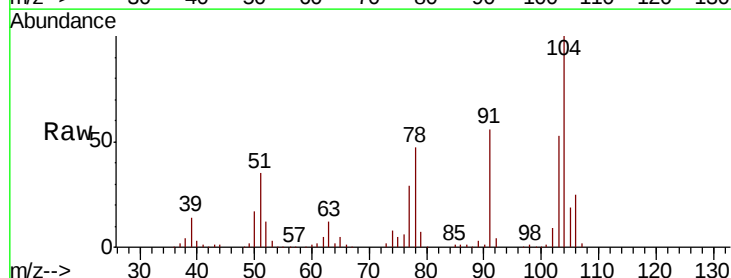
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

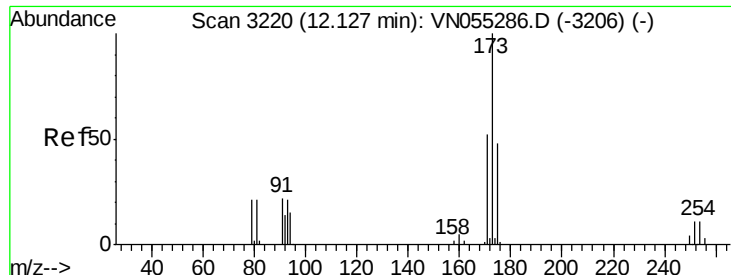
Tgt Ion:106 Resp: 121626
Ion Ratio Lower Upper
106 100
91 223.0 111.5 334.5



#70
Styrene
Concen: 21.353 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055439.D
Acq: 7 May 2019 15:54

Tgt Ion:104 Resp: 193728
Ion Ratio Lower Upper
104 100
78 52.8 42.2 63.2
103 56.5 44.6 67.0

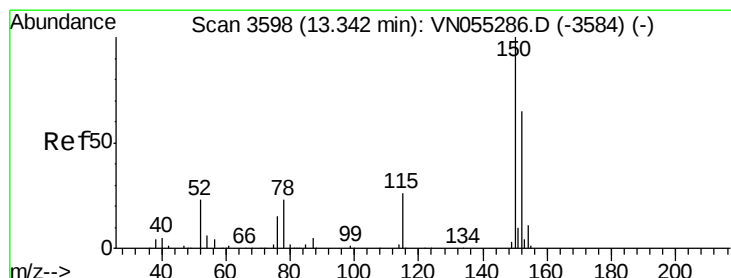
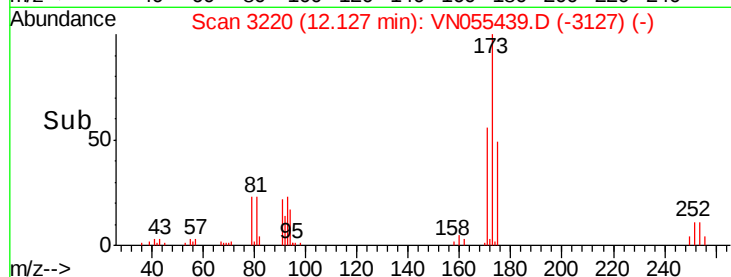
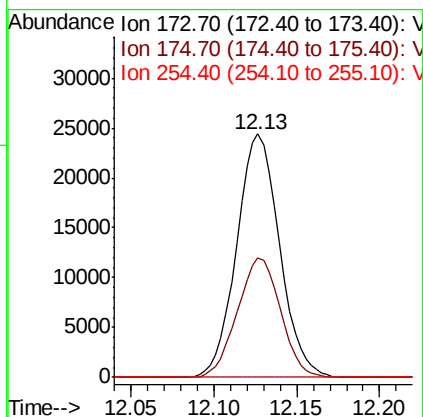
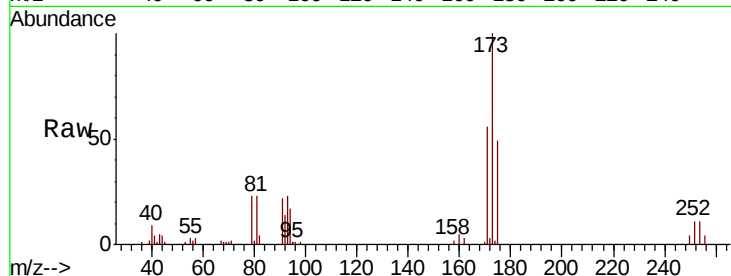




#71
 Bromoform
 Concen: 21.825 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

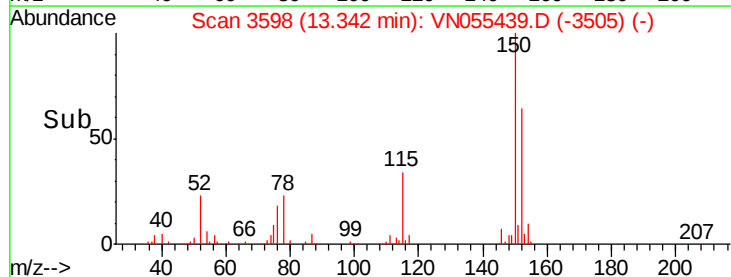
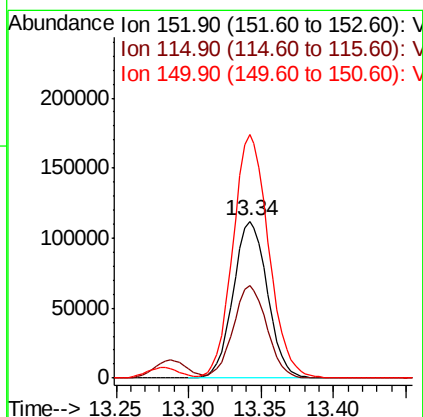
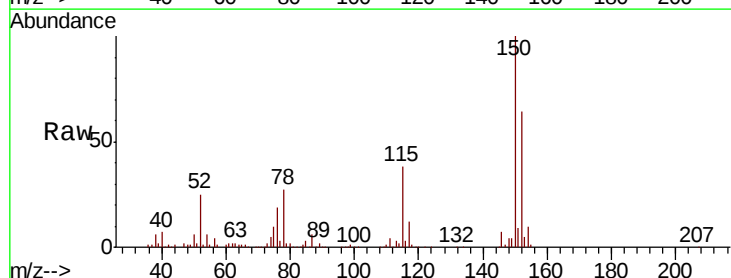
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

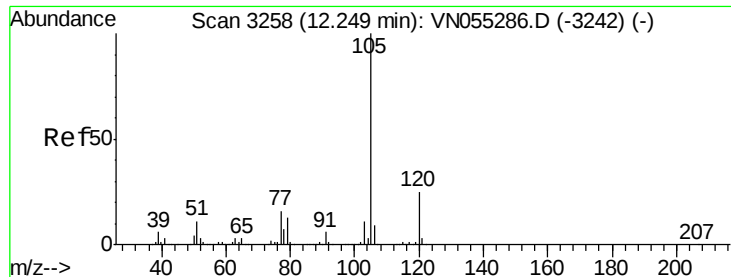
Tgt Ion:173 Resp: 43859
 Ion Ratio Lower Upper
 173 100
 175 49.4 23.6 71.0
 254 0.0 0.0 0.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion:152 Resp: 183272
 Ion Ratio Lower Upper
 152 100
 115 58.1 29.0 87.0
 150 162.3 0.0 345.6





#73

Isopropylbenzene

Concen: 20.957 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

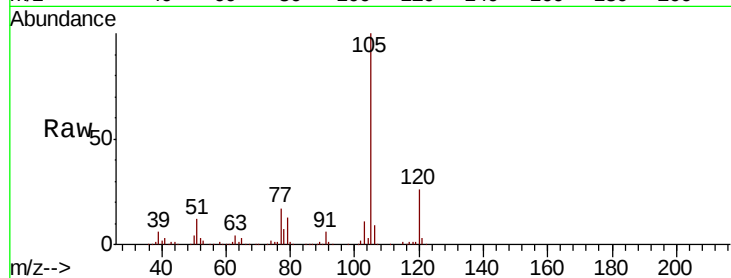
VN0507MBSD01

Tgt Ion: 105 Resp: 332395

Ion Ratio Lower Upper

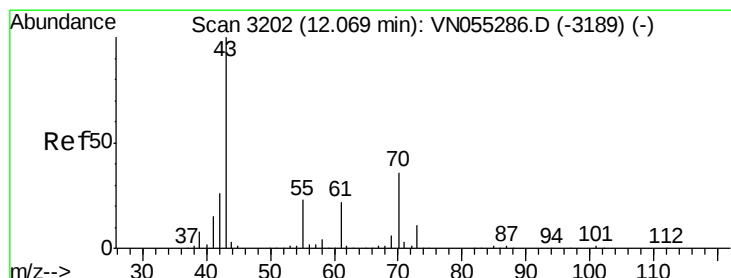
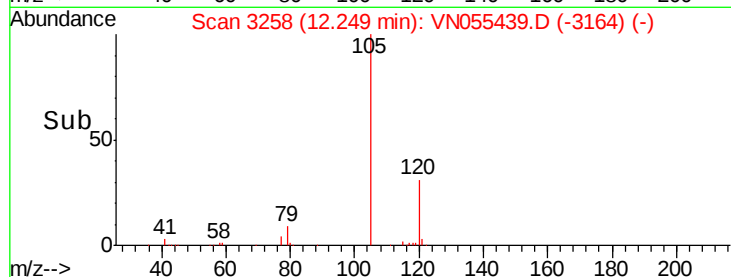
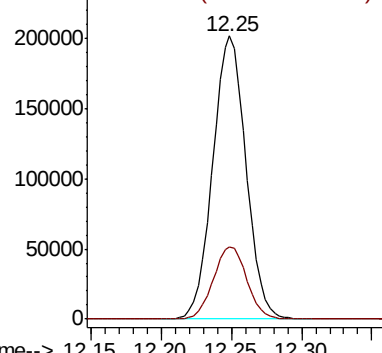
105 100

120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.196 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Tgt Ion: 43 Resp: 109100

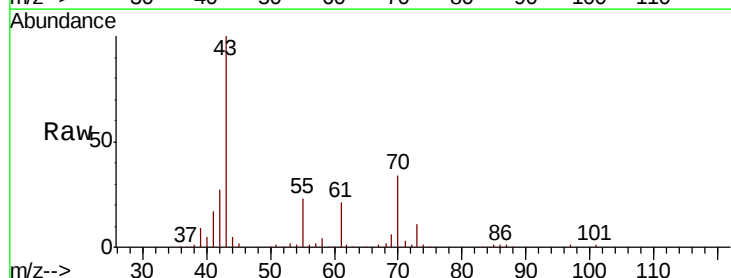
Ion Ratio Lower Upper

43 100

70 34.4 27.9 41.9

55 23.1 18.2 27.2

61 20.9 16.9 25.3

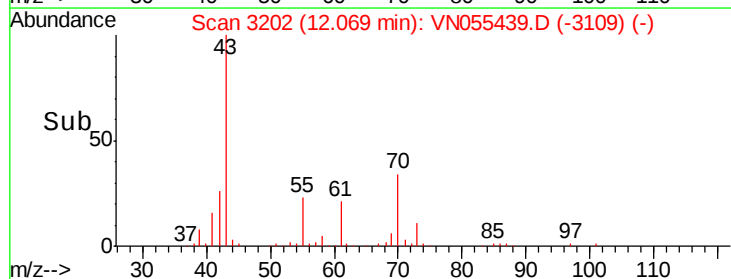
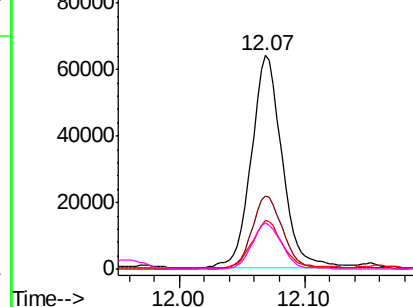


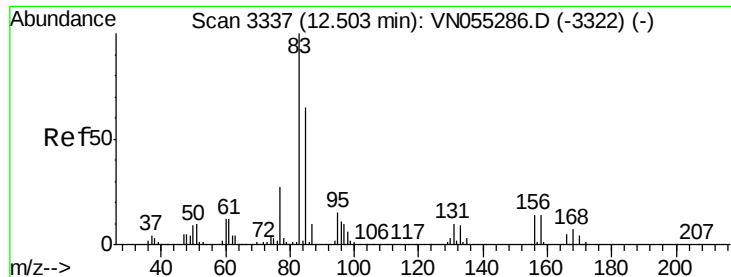
Abundance Ion 43.00 (42.70 to 43.70): V

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: 23.720 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

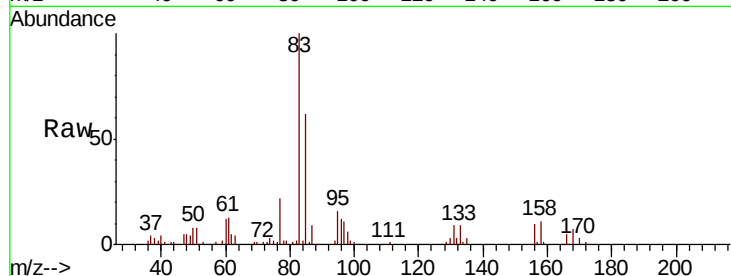
Tgt Ion: 83 Resp: 92204

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.2

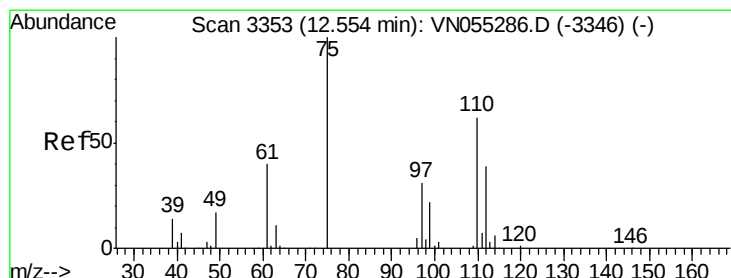
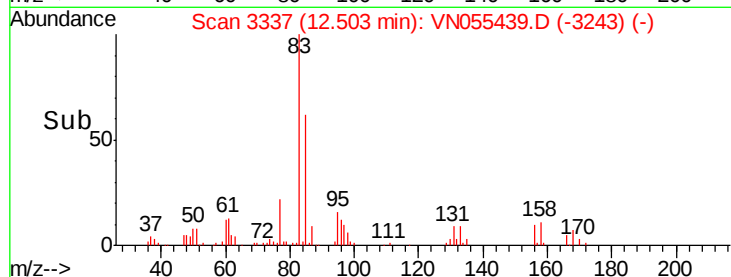
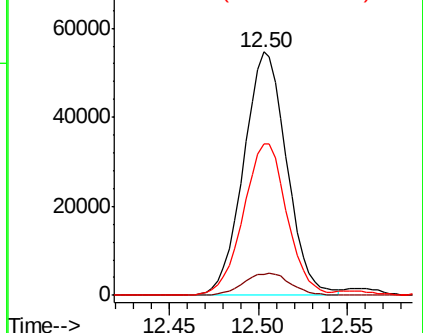
85 63.2 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN055439.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055439.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055439.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 30.599 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055439.D

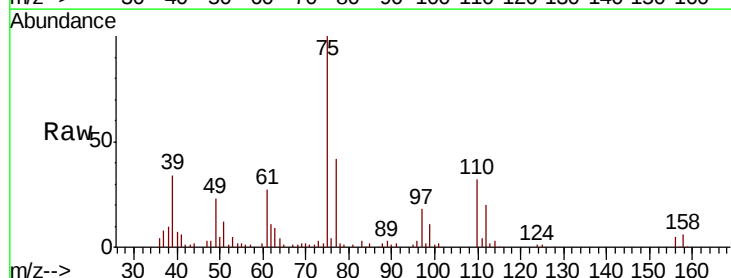
Acq: 7 May 2019 15:54

Tgt Ion: 75 Resp: 107564

Ion Ratio Lower Upper

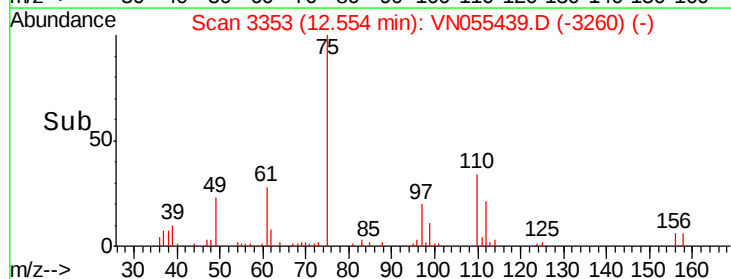
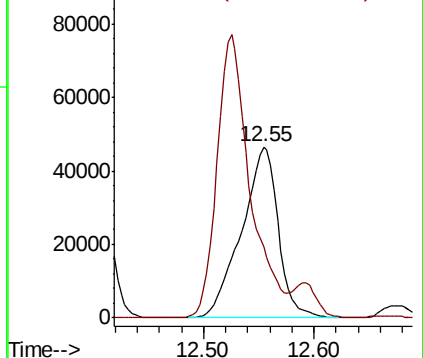
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055439.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055439.D (-3260) (-)





#77

Bromobenzene

Concen: 20.547 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

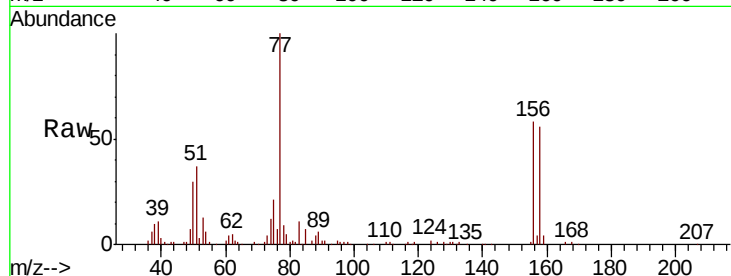
Tgt Ion:156 Resp: 76378

Ion Ratio Lower Upper

156 100

77 210.0 99.6 298.8

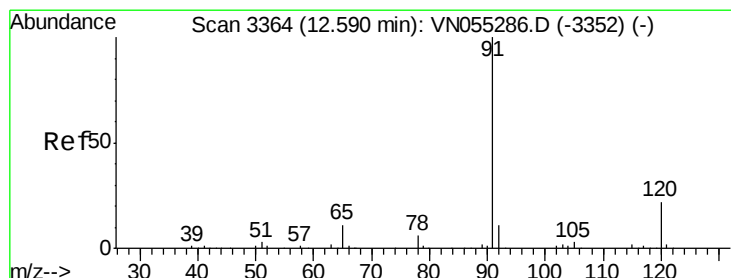
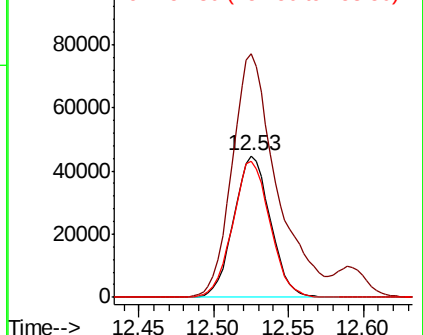
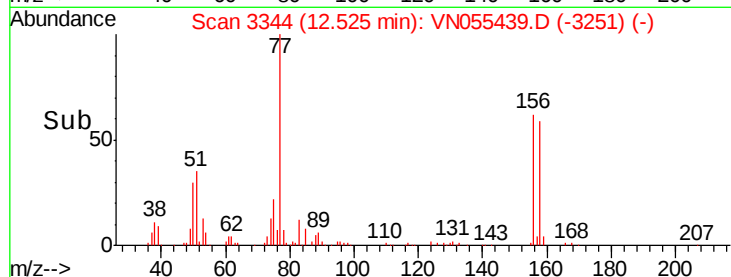
158 97.8 49.3 147.8



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: 19.305 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055439.D

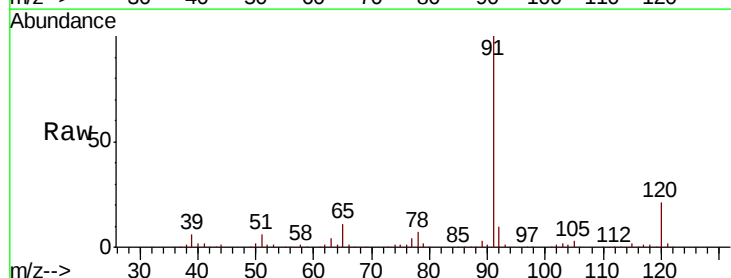
Acq: 7 May 2019 15:54

Tgt Ion: 91 Resp: 363426

Ion Ratio Lower Upper

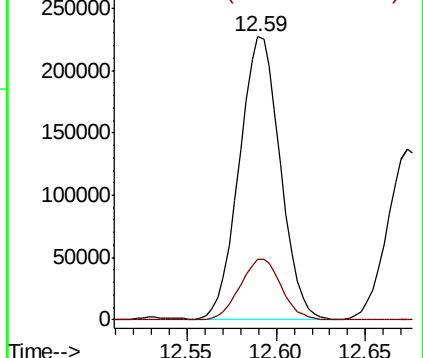
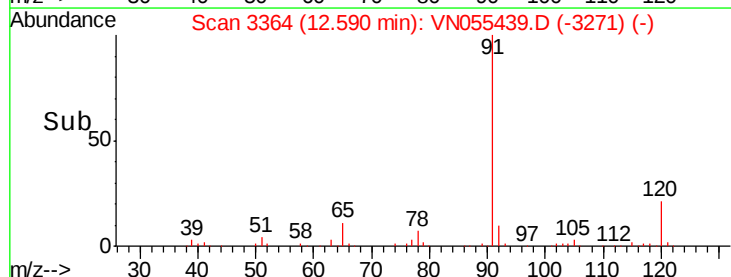
91 100

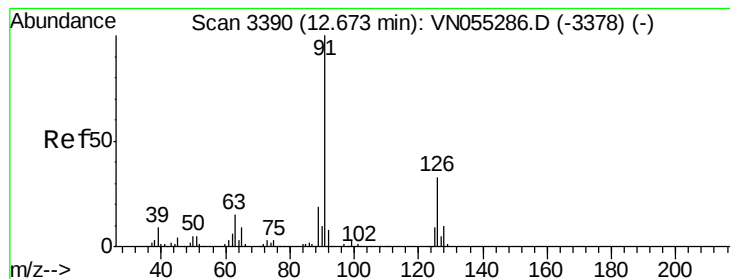
120 21.7 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.218 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

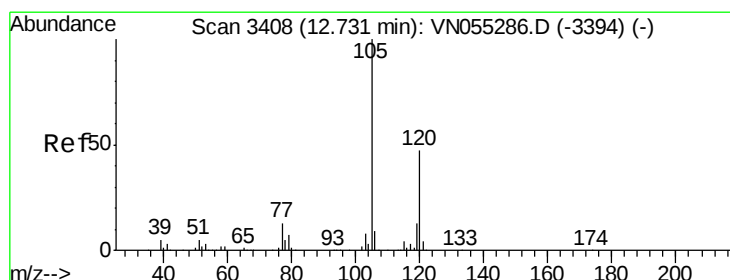
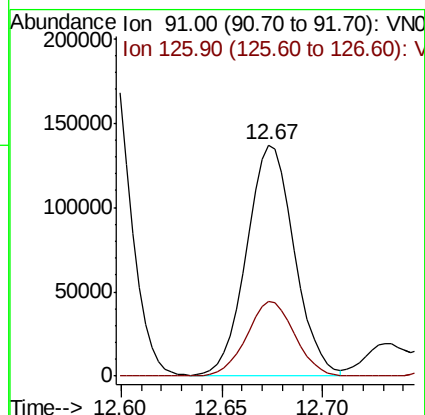
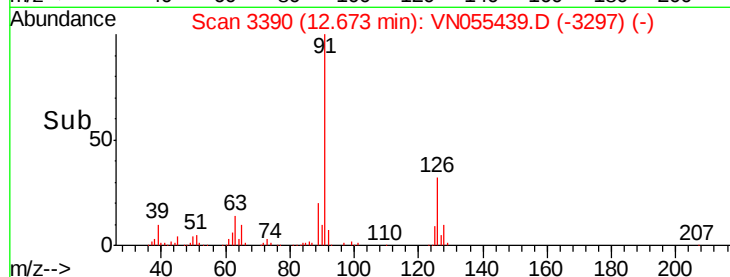
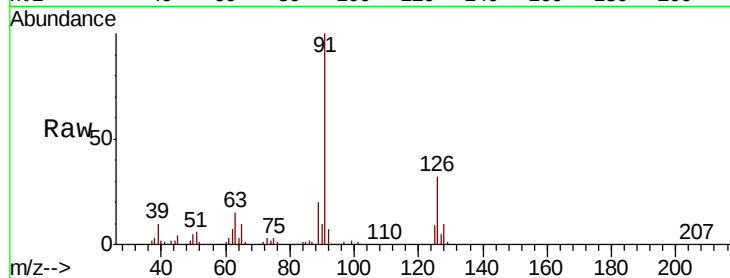
VN0507MBSD01

Tgt Ion: 91 Resp: 225971

Ion Ratio Lower Upper

91 100

126 32.8 16.6 49.7



#80

1,3,5-Trimethylbenzene

Concen: 19.256 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055439.D

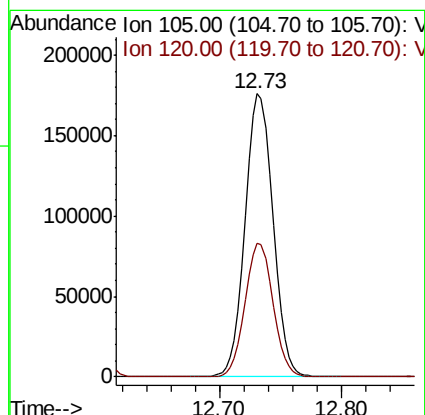
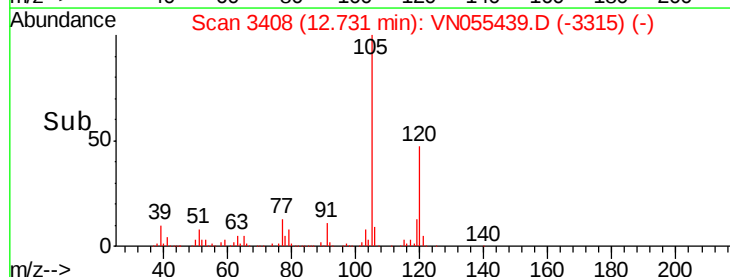
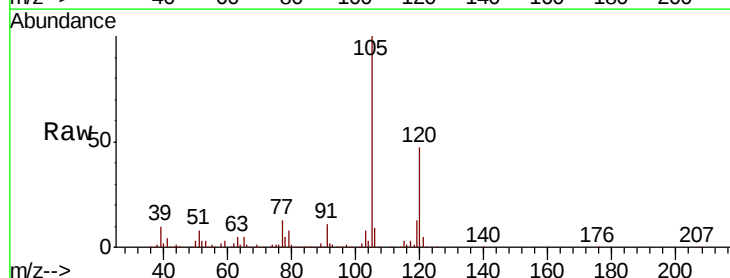
Acq: 7 May 2019 15:54

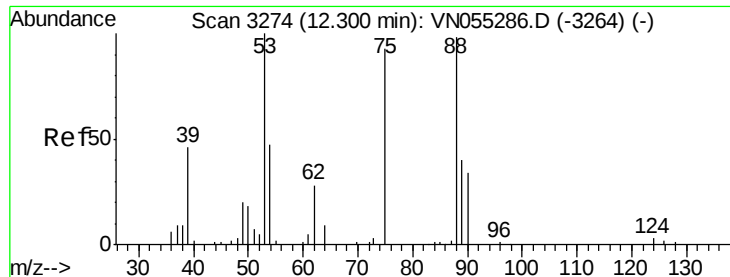
Tgt Ion: 105 Resp: 276666

Ion Ratio Lower Upper

105 100

120 47.5 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.900 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

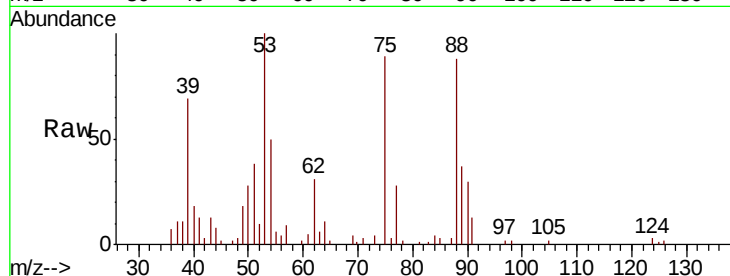
Tgt Ion: 75 Resp: 20212

Ion Ratio Lower Upper

75 100

53 118.4 86.3 129.5

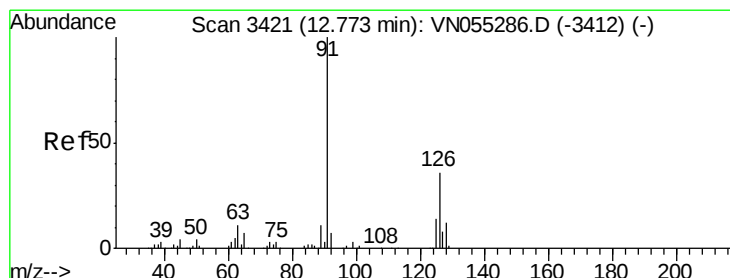
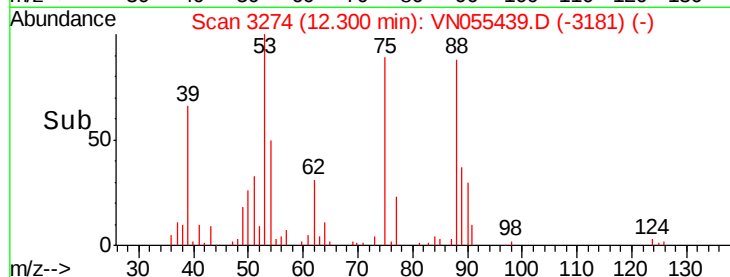
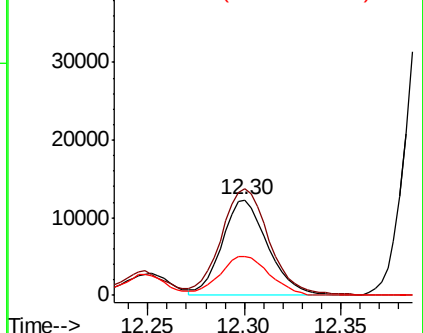
89 44.1 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.048 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055439.D

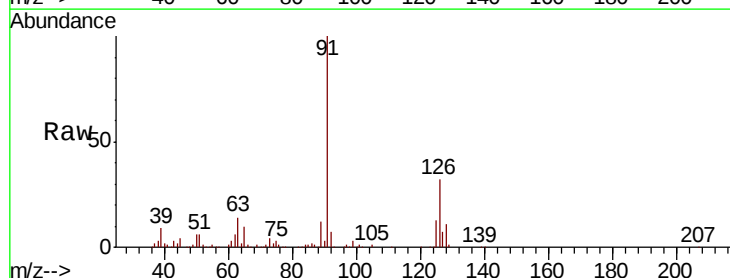
Acq: 7 May 2019 15:54

Tgt Ion: 91 Resp: 208496

Ion Ratio Lower Upper

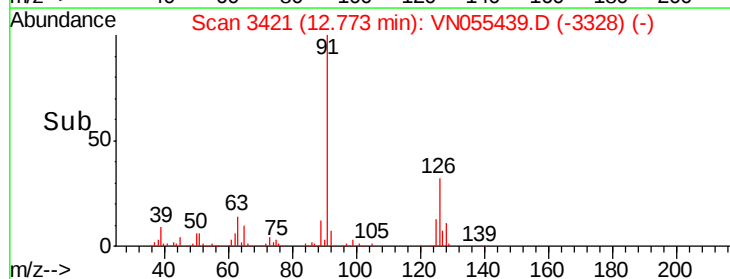
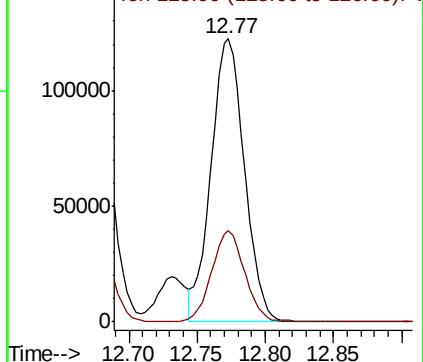
91 100

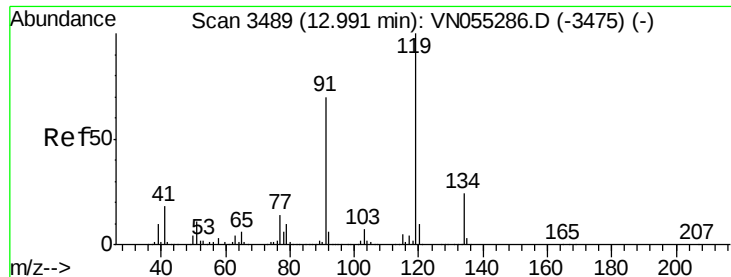
126 31.6 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

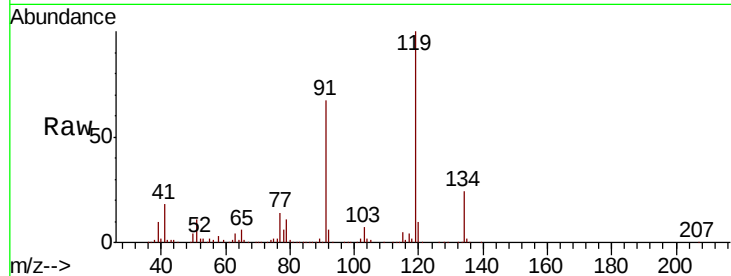




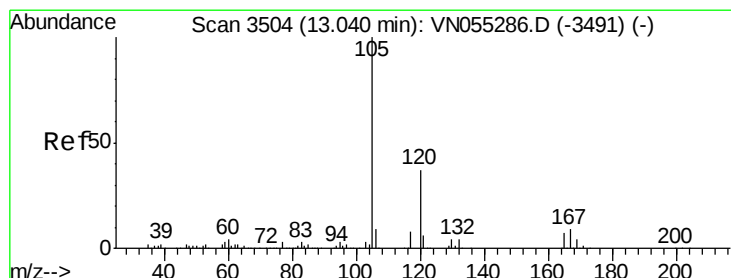
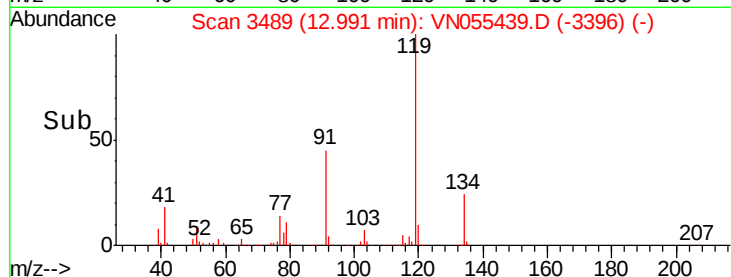
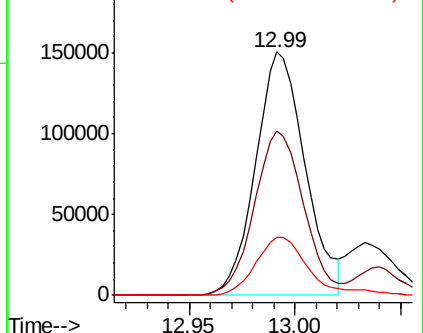
#83
 tert-Butylbenzene
 Concen: 22.628 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Tgt Ion:119 Resp: 246324
 Ion Ratio Lower Upper
 119 100
 91 67.0 34.3 102.9
 134 25.8 13.1 39.3

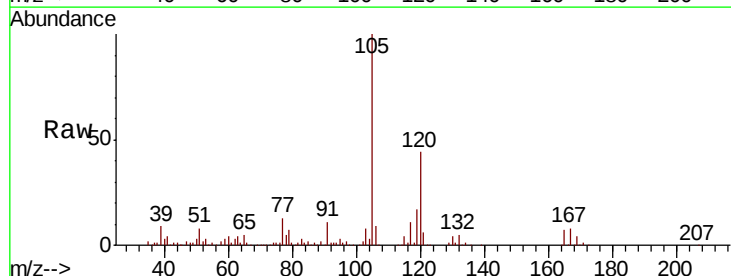


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

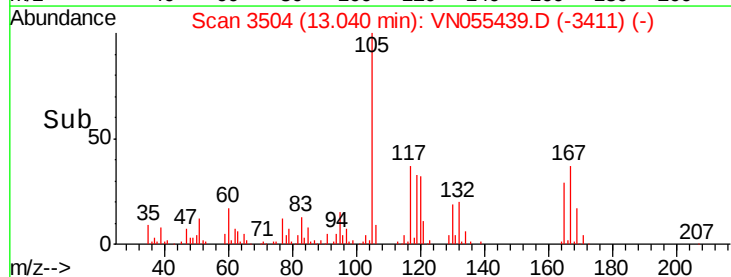
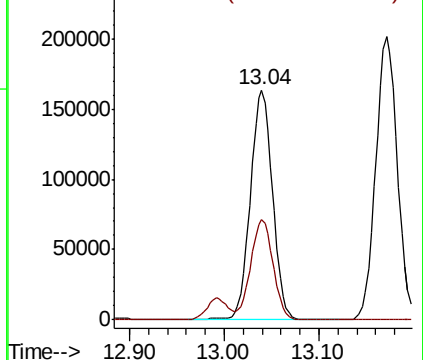


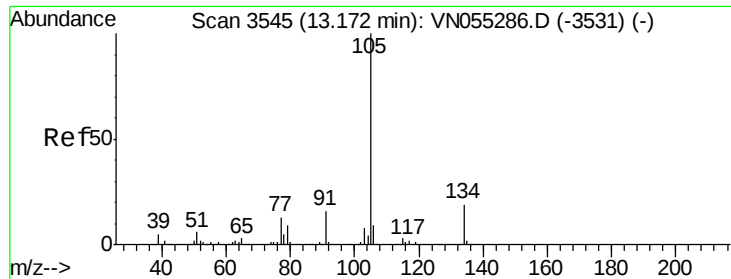
#84
 1,2,4-Trimethylbenzene
 Concen: 20.756 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion:105 Resp: 266714
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.1 66.5



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

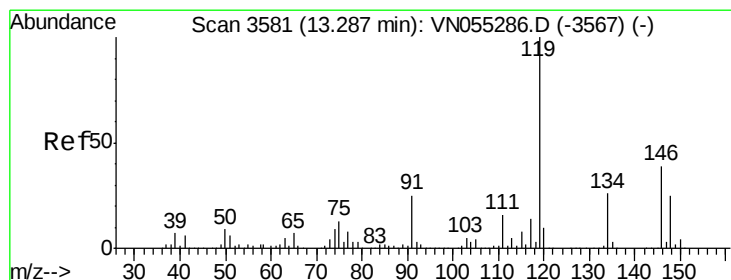
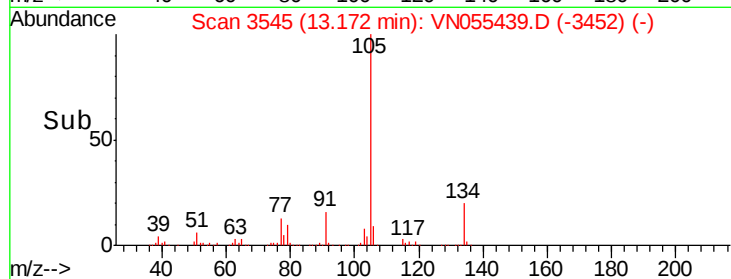
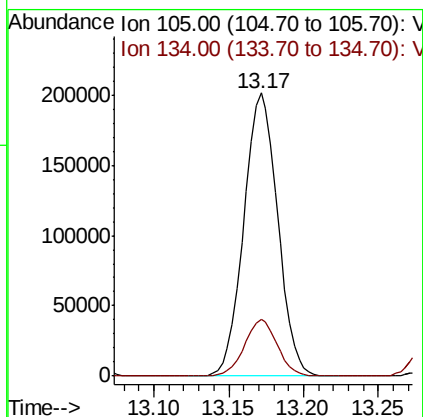
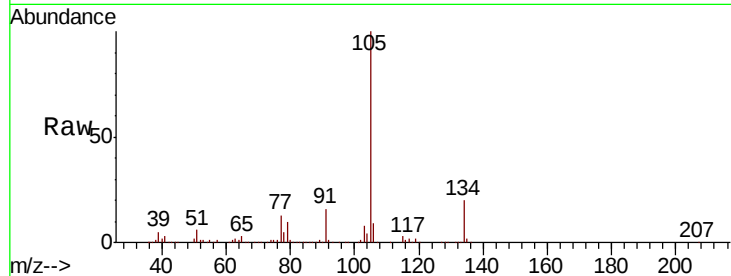




#85
 sec-Butylbenzene
 Concen: 20.335 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

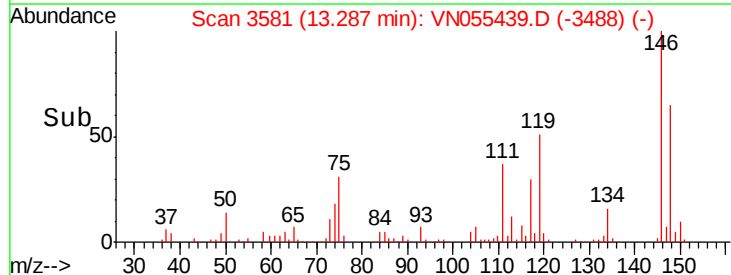
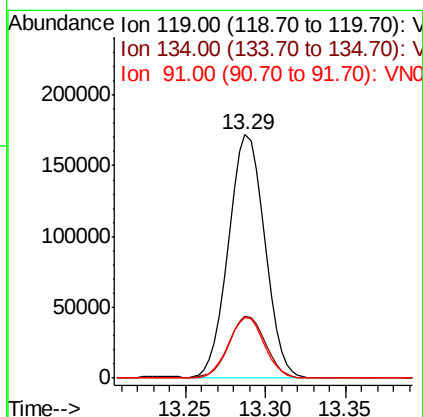
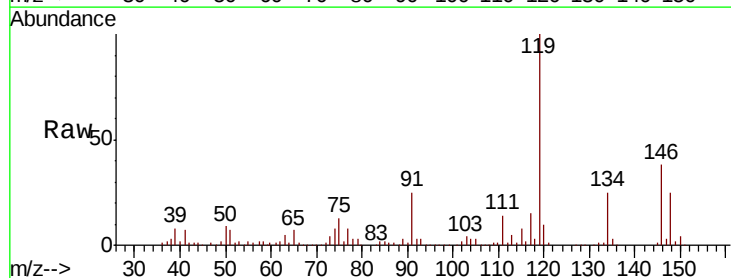
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

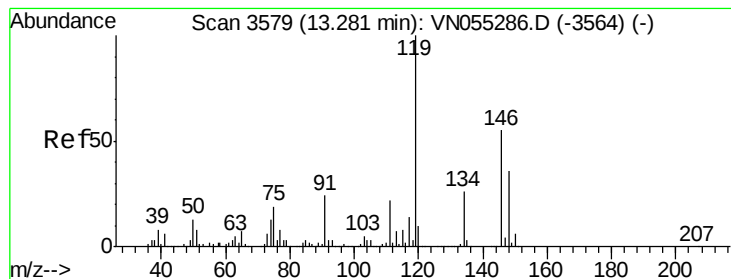
Tgt Ion:105 Resp: 317562
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 20.612 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion:119 Resp: 264561
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 38.9
 91 24.4 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 19.750 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

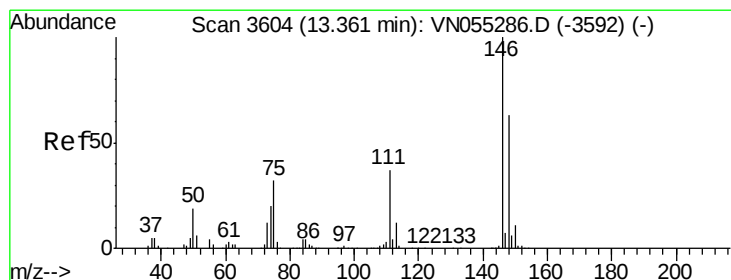
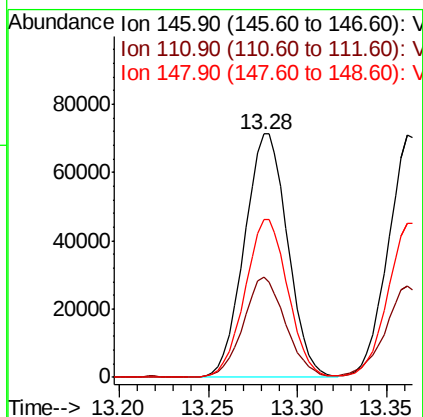
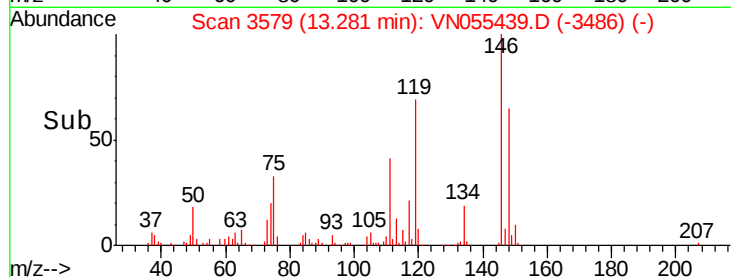
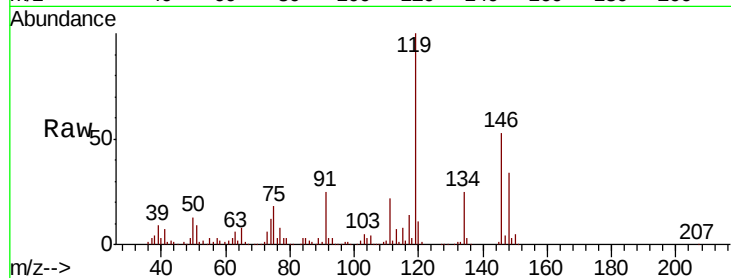
Tgt Ion:146 Resp: 121123

Ion Ratio Lower Upper

146 100

111 40.4 20.3 60.8

148 64.2 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 20.387 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

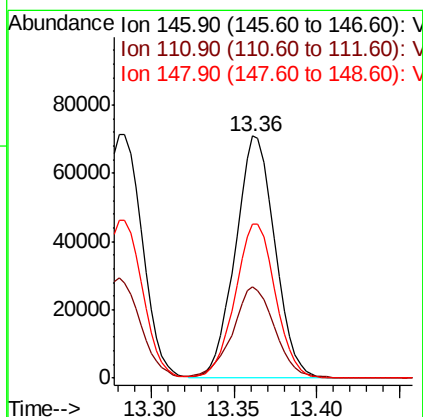
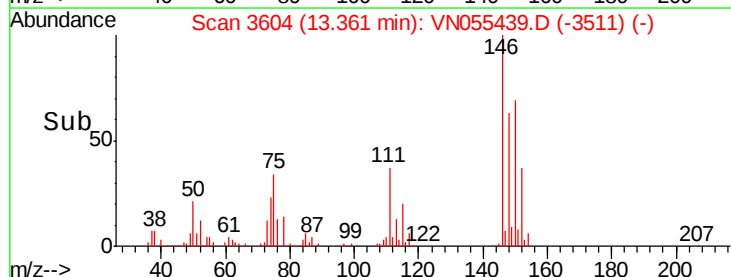
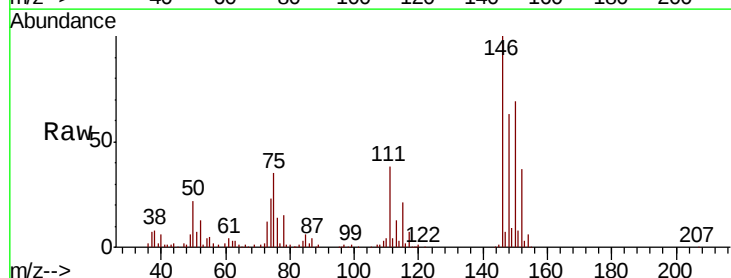
Tgt Ion:146 Resp: 117741

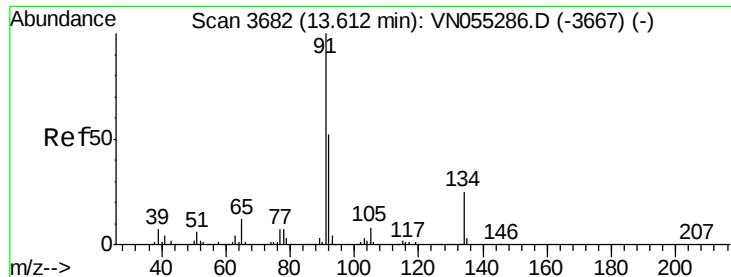
Ion Ratio Lower Upper

146 100

111 40.5 19.5 58.5

148 64.8 32.5 97.4





#89

n-Butylbenzene

Concen: 20.652 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

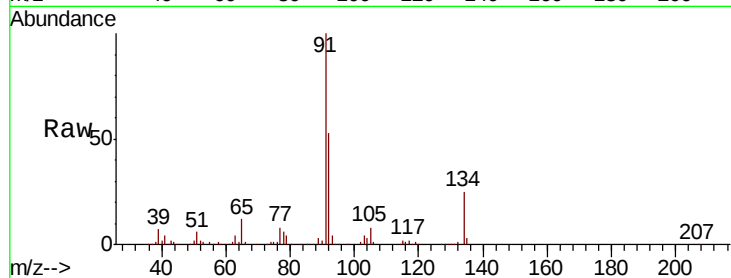
Tgt Ion: 91 Resp: 188363

Ion Ratio Lower Upper

91 100

92 52.2 26.1 78.3

134 25.3 12.4 37.4

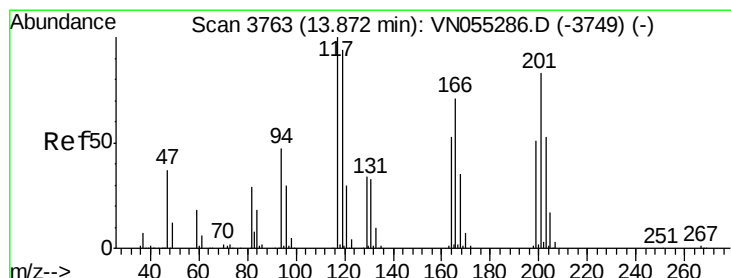
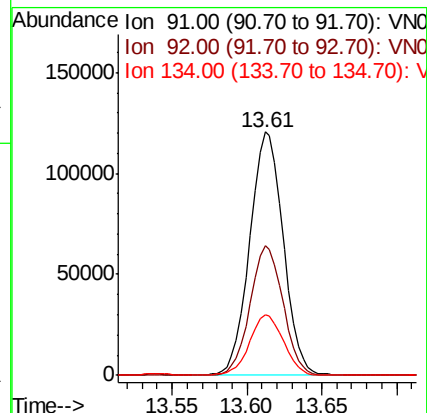
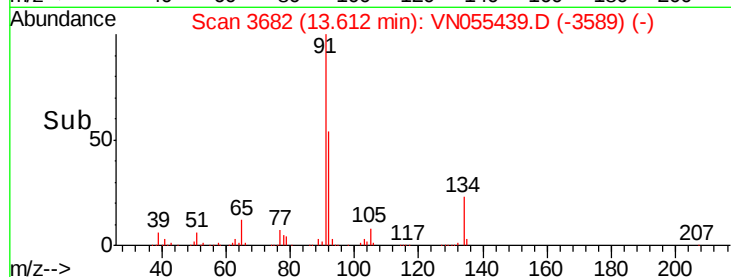


Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN055286.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN055286.D (-3667) (-)

13.61



#90

Hexachloroethane

Concen: 21.101 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055439.D

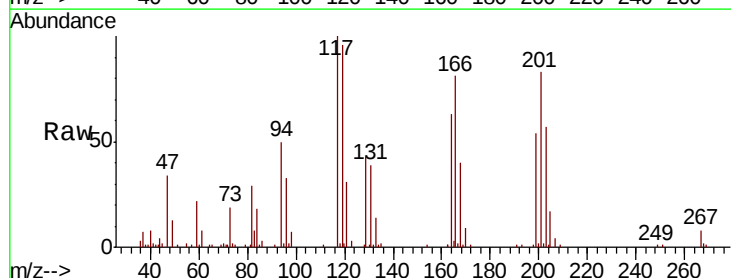
Acq: 7 May 2019 15:54

Tgt Ion: 117 Resp: 44735

Ion Ratio Lower Upper

117 100

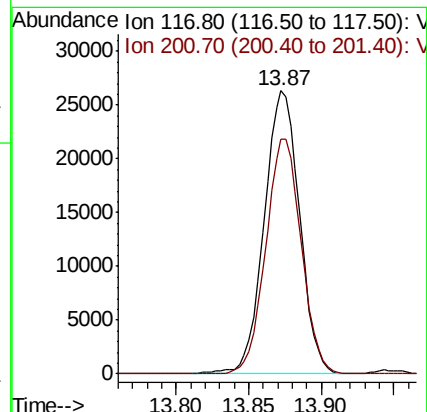
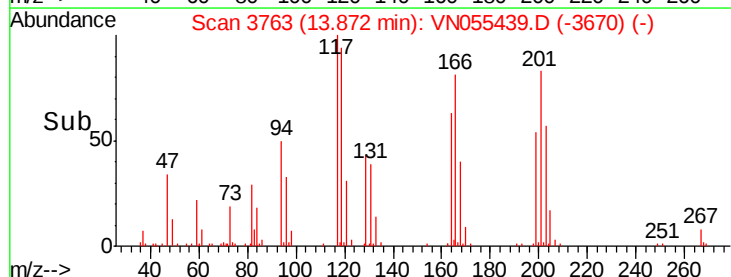
201 83.0 41.9 125.8

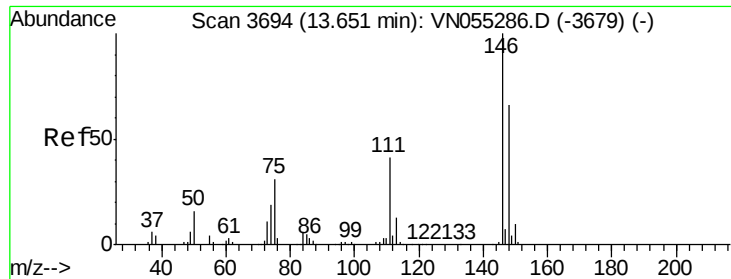


Abundance Ion 116.80 (116.50 to 117.50): VN055286.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055286.D (-3749) (-)

13.87

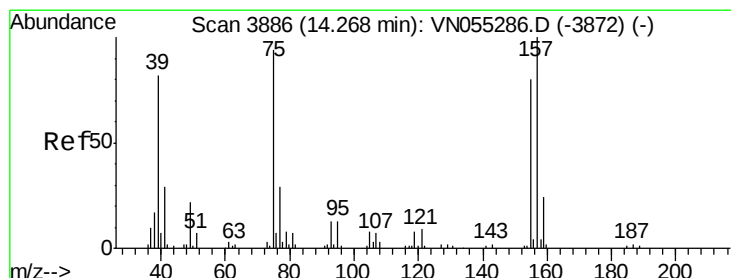
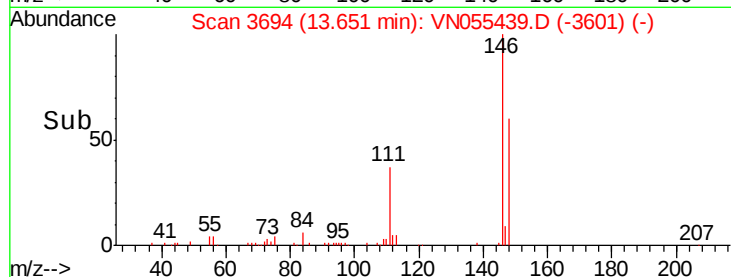
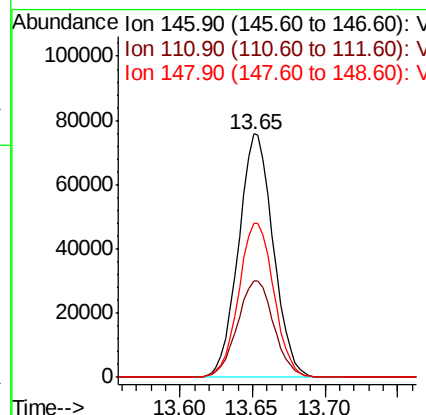
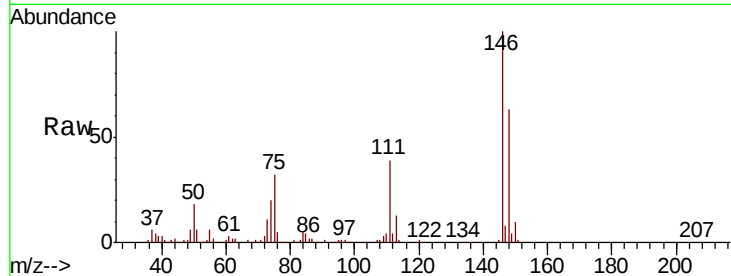




#91
 1,2-Dichlorobenzene
 Concen: 20.745 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

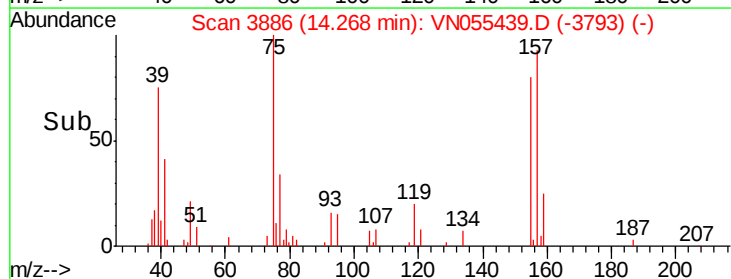
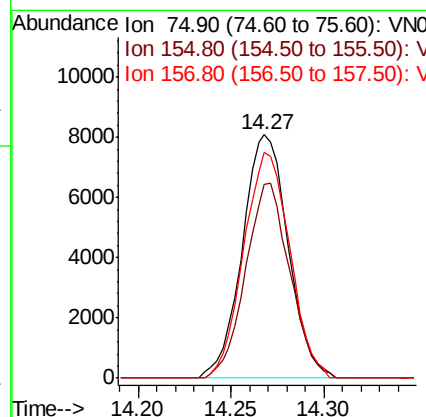
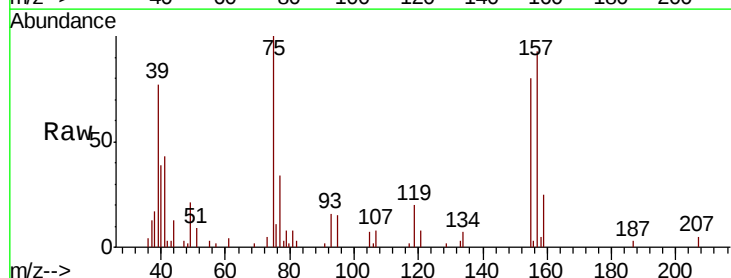
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Tgt Ion: 146 Resp: 126097
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.3 61.0
 148 64.0 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 28.760 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion: 75 Resp: 13867
 Ion Ratio Lower Upper
 75 100
 155 77.6 41.5 124.6
 157 93.3 54.0 162.2

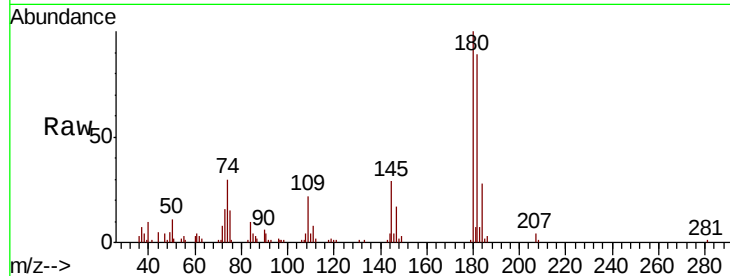




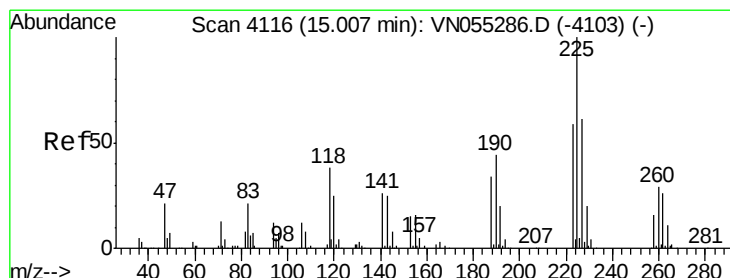
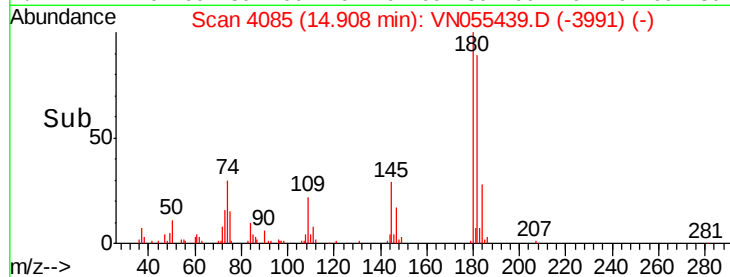
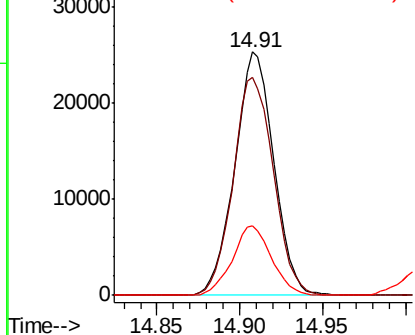
#93
 1,2,4-Trichlorobenzene
 Concen: 19.445 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Tgt Ion:180 Resp: 41404
 Ion Ratio Lower Upper
 180 100
 182 92.9 48.3 144.9
 145 28.7 14.2 42.6

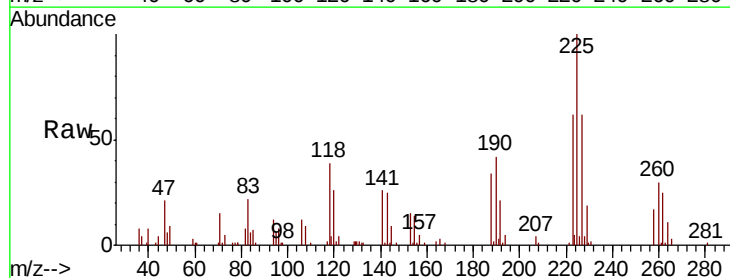


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

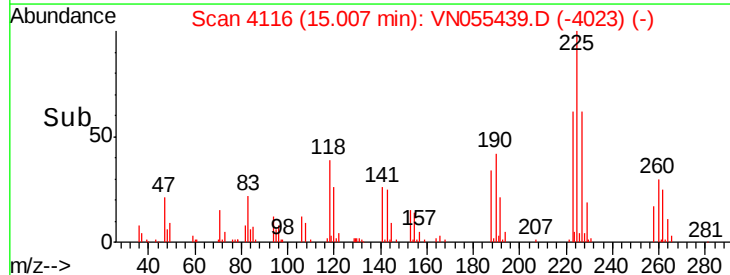
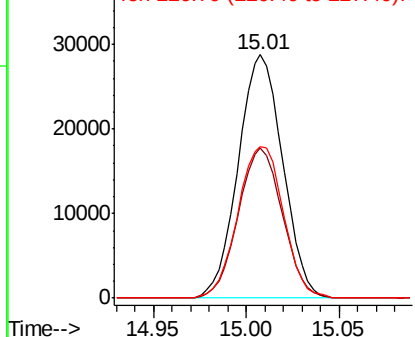


#94
 Hexachlorobutadiene
 Concen: 24.867 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055439.D
 Acq: 7 May 2019 15:54

Tgt Ion:225 Resp: 48056
 Ion Ratio Lower Upper
 225 100
 223 61.1 30.3 90.8
 227 63.7 30.9 92.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.918 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

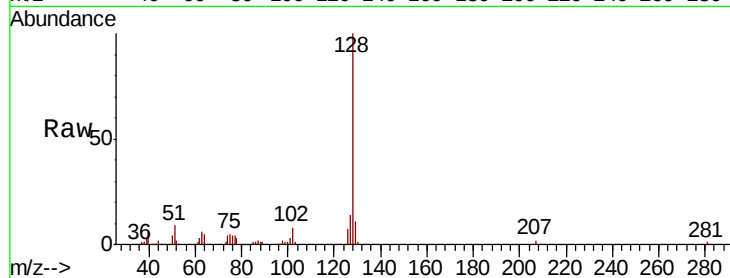
Tgt Ion:128 Resp: 85080

Ion Ratio Lower Upper

128 100

127 14.0 10.7 16.1

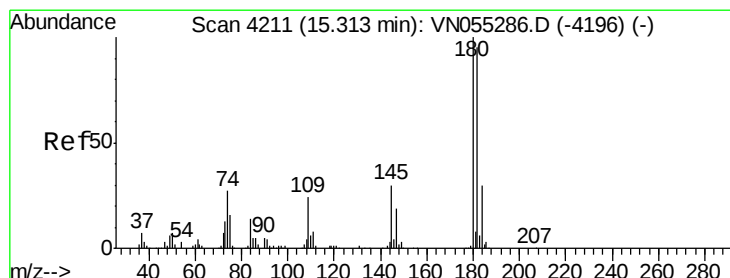
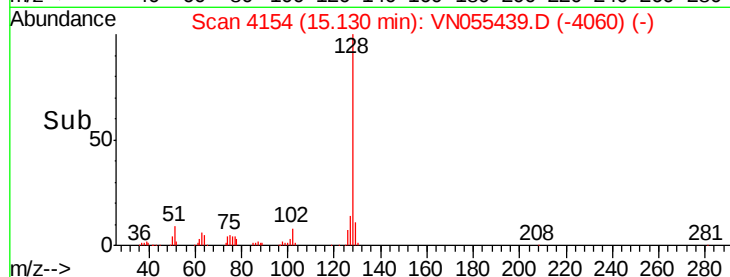
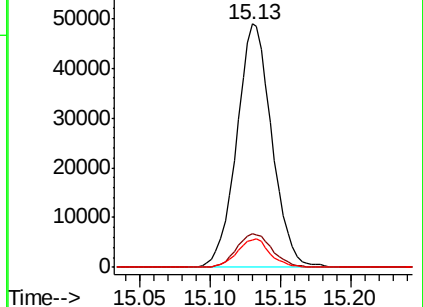
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.703 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055439.D

Acq: 7 May 2019 15:54

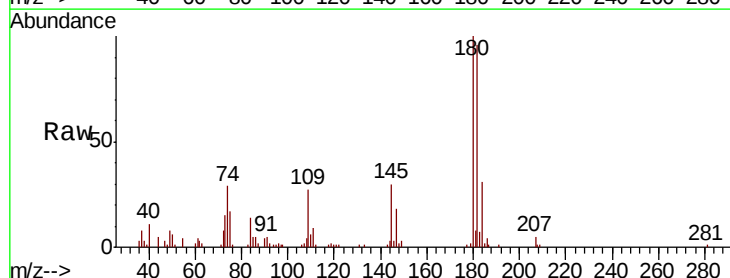
Tgt Ion:180 Resp: 45045

Ion Ratio Lower Upper

180 100

182 97.1 48.3 144.9

145 30.5 15.2 45.6



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

