

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055941.D
 Acq On : 1 Jun 2019 2:01
 Operator : JC/SP
 Sample : VN0531WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD02

Quant Time: Jun 01 04:08:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	292749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	448749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	392206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152075	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	167331	55.35	ug/l	0.00
Spiked Amount			Recovery	=	110.70%	
35) Dibromofluoromethane	7.59	113	146899	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
50) Toluene-d8	10.09	98	553548	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.40	95	177889	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	36657	18.605	ug/l	99
3) Chloromethane	2.06	50	51899	18.801	ug/l	99
4) Vinyl Chloride	2.18	62	57692	19.594	ug/l	100
5) Bromomethane	2.53	94	39957	21.692	ug/l	97
6) Chloroethane	2.68	64	37513	21.162	ug/l	97
7) Trichlorofluoromethane	3.00	101	79191	20.515	ug/l	100
8) Diethyl Ether	3.40	74	37236	21.523	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	48798	20.252	ug/l	98
10) Methyl Iodide	3.94	142	73723	20.927	ug/l	100
11) Tert butyl alcohol	4.81	59	57950	100.321	ug/l	100
12) 1,1-Dichloroethene	3.72	96	49778	19.993	ug/l	99
13) Acrolein	3.60	56	23189	56.064	ug/l	98
14) Allyl chloride	4.31	41	78967	18.501	ug/l	98
15) Acrylonitrile	4.99	53	149053	112.372	ug/l	99
16) Acetone	3.82	43	122998	92.551	ug/l	98
17) Carbon Disulfide	4.04	76	101263	14.315	ug/l	99
18) Methyl Acetate	4.33	43	69647	25.150	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	178009	21.437	ug/l	99
20) Methylene Chloride	4.54	84	61676	21.429	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	53999	20.188	ug/l	95
22) Diisopropyl ether	5.95	45	181171	21.824	ug/l	96
23) Vinyl Acetate	5.90	43	713680	100.271	ug/l	99
24) 1,1-Dichloroethane	5.84	63	102599	21.227	ug/l	100
25) 2-Butanone	6.84	43	197362	106.337	ug/l	99
26) 2,2-Dichloropropane	6.82	77	54306	12.982	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	67266	21.555	ug/l	96
28) Bromochloromethane	7.19	49	52181	22.675	ug/l	100
29) Tetrahydrofuran	7.22	42	131024	111.476	ug/l	100
30) Chloroform	7.37	83	106402	22.074	ug/l	99
31) Cyclohexane	7.65	56	89500	19.723	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	85691	19.922	ug/l	98
36) 1,1-Dichloropropene	7.79	75	71625	18.315	ug/l	98
37) Ethyl Acetate	6.93	43	79460	21.023	ug/l	98
38) Carbon Tetrachloride	7.77	117	70299	17.258	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	87065	17.979	ug/l	98
40) Benzene	8.04	78	239982	20.362	ug/l	99
41) Methacrylonitrile	7.18	41	36871	19.309	ug/l	96
42) 1,2-Dichloroethane	8.12	62	81318	21.115	ug/l	99
43) Isopropyl Acetate	8.17	43	122327	19.263	ug/l #	93
44) Trichloroethene	8.83	130	66066	20.107	ug/l	98
45) 1,2-Dichloropropane	9.12	63	63689	20.741	ug/l	100
46) Dibromomethane	9.21	93	42018	20.865	ug/l	98
47) Bromodichloromethane	9.40	83	76696	18.573	ug/l	97
48) Methyl methacrylate	9.20	41	60568	20.694	ug/l	99
49) 1,4-Dioxane	9.20	88	24807	407.869	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	391641	104.421	ug/l	100
52) Toluene	10.16	92	150905	20.358	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	72662	16.485	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	86188	17.650	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	62899	21.181	ug/l	98
56) Ethyl methacrylate	10.43	69	90389	19.695	ug/l	98
57) 1,3-Dichloropropane	10.71	76	101615	21.052	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	148559	84.704	ug/l	99
59) 2-Hexanone	10.75	43	268927	101.074	ug/l	99
60) Dibromochloromethane	10.90	129	59153	17.099	ug/l	100
61) 1,2-Dibromoethane	11.01	107	63860	20.733	ug/l	99
64) Tetrachloroethene	10.63	164	71141	21.506	ug/l	98
65) Chlorobenzene	11.43	112	160645	20.460	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	59143	18.887	ug/l	99
67) Ethyl Benzene	11.51	91	282037	20.031	ug/l	98
68) m/p-Xylenes	11.62	106	212599	39.940	ug/l	99
69) o-Xylene	11.95	106	106048	20.081	ug/l	100
70) Styrene	11.96	104	168281	19.677	ug/l	99
71) Bromoform	12.13	173	39808	14.904	ug/l #	98
73) Isopropylbenzene	12.25	105	278890	24.416	ug/l	100
74) N-amyl acetate	12.07	43	96279	22.109	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	83789	24.461	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	96082	35.798	ug/l #	100
77) Bromobenzene	12.53	156	72515	22.346	ug/l	98
78) n-propylbenzene	12.59	91	283709	21.465	ug/l	100
79) 2-Chlorotoluene	12.67	91	180777	24.070	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	226761	23.549	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	16491	14.590	ug/l #	84
82) 4-Chlorotoluene	12.77	91	165756	21.334	ug/l	99
83) tert-Butylbenzene	12.99	119	207759	24.876	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	217531	22.648	ug/l	99
85) sec-Butylbenzene	13.17	105	254907	23.655	ug/l	100
86) p-Isopropyltoluene	13.29	119	222905	21.106	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	108832	21.180	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	100830	20.639	ug/l	100
89) n-Butylbenzene	13.61	91	151779	18.757	ug/l	100
90) Hexachloroethane	13.87	117	34985	17.404	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	110829	21.618	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11851	17.588	ug/l	95

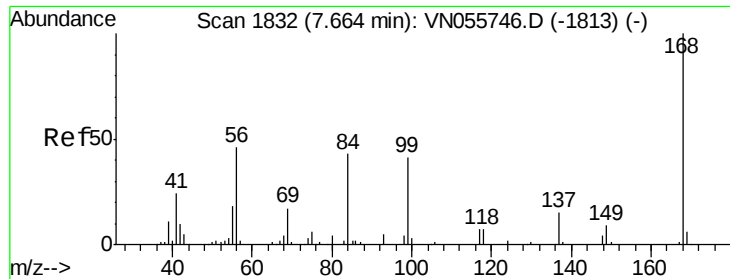
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	43643	17.357	ug/l	100
94) Hexachlorobutadiene	15.01	225	38213	20.087	ug/l	98
95) Naphthalene	15.13	128	128219	18.226	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	51008	18.822	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampled :

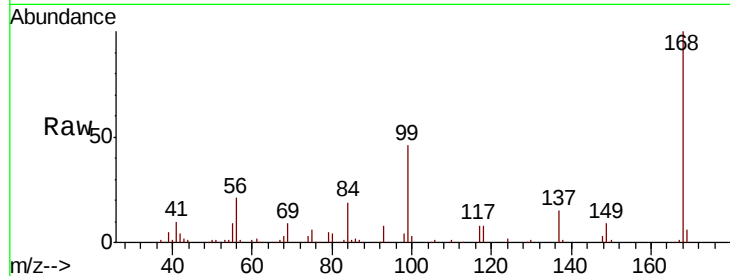
VN0531WBSD02

Tot Ion:168 Resp: 292749

Ion Ratio Lower Upper

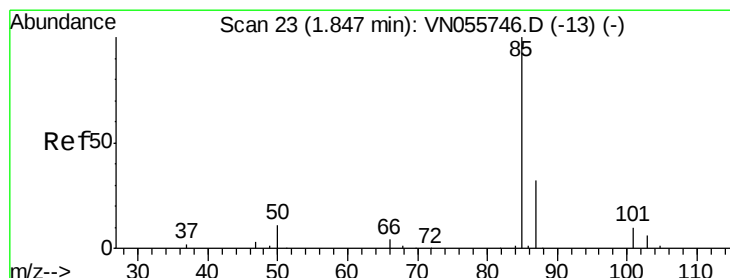
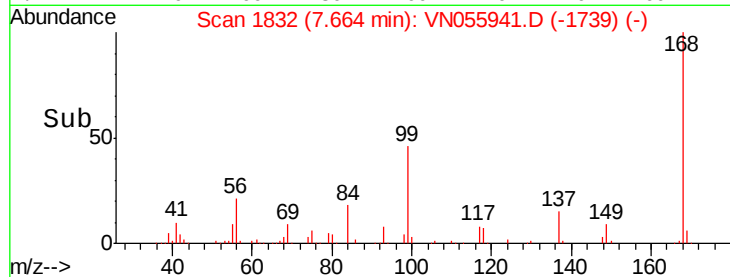
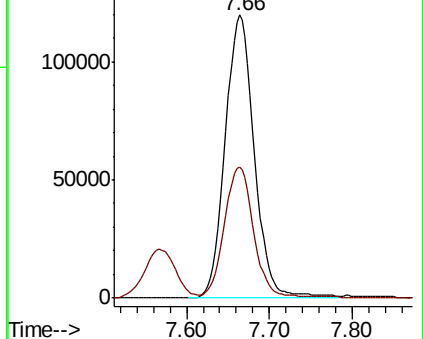
168 100

99 45.8 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.605 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055941.D

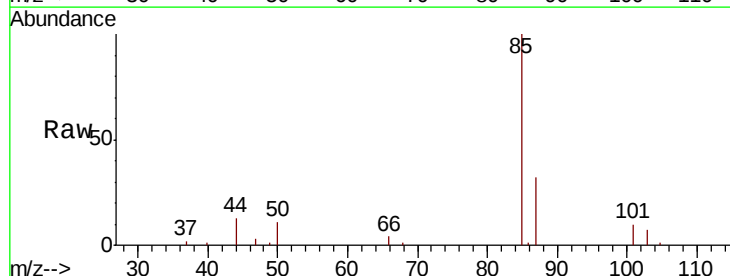
Acq: 1 Jun 2019 2:01

Tgt Ion: 85 Resp: 36657

Ion Ratio Lower Upper

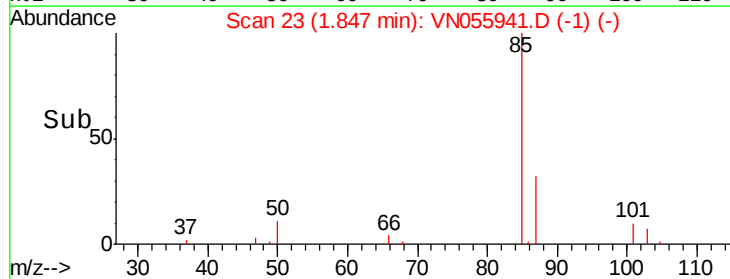
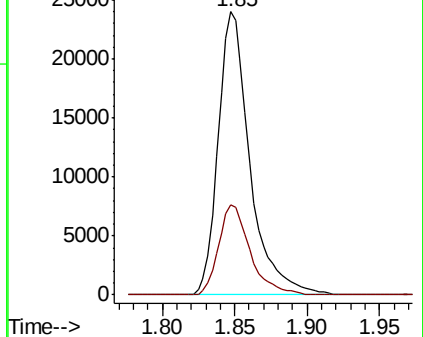
85 100

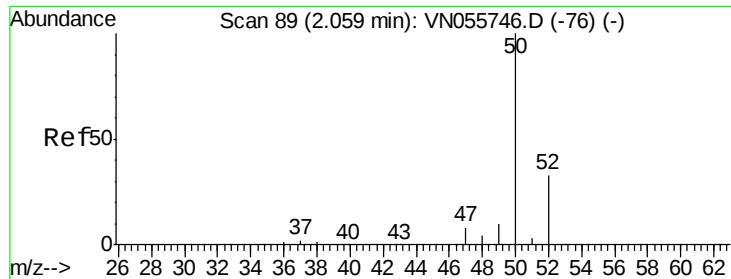
87 31.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.801 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

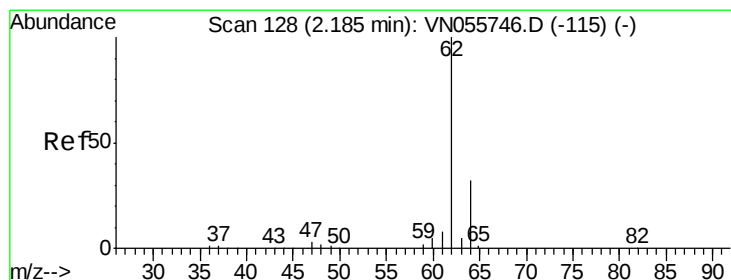
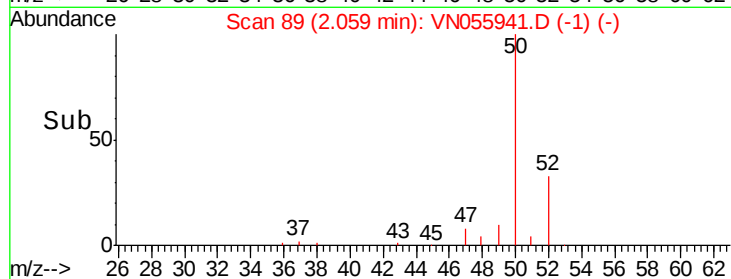
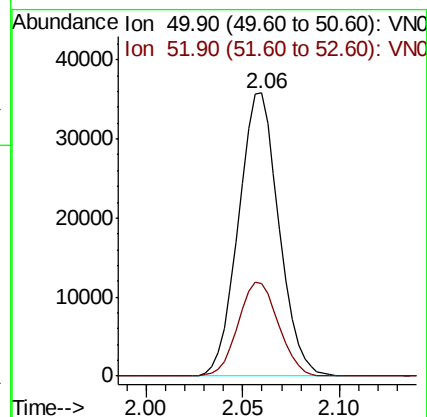
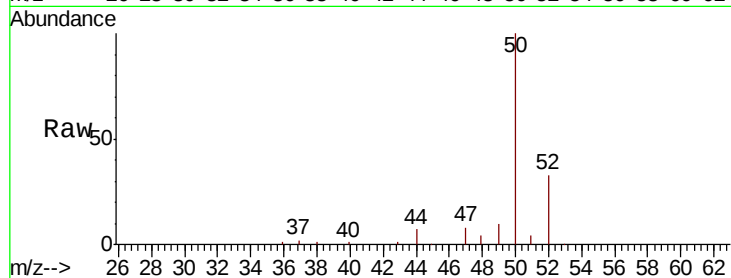
VN0531WBSD02

Tot Ion: 50 Resp: 51899

Ion Ratio Lower Upper

50 100

52 32.9 26.6 40.0



#4

Vinyl Chloride

Concen: 19.594 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055941.D

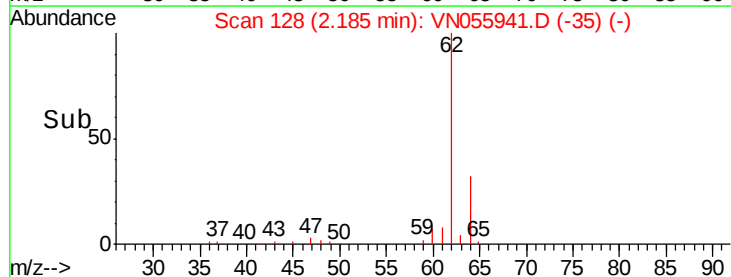
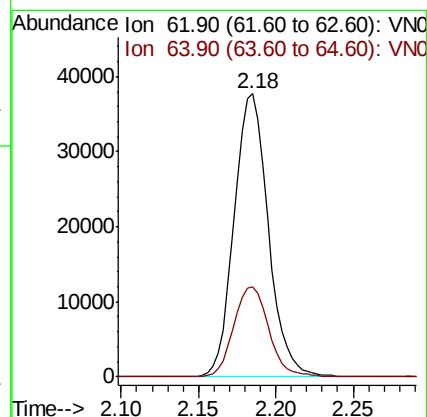
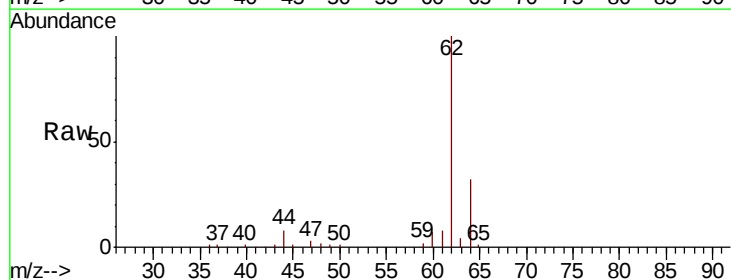
Acq: 1 Jun 2019 2:01

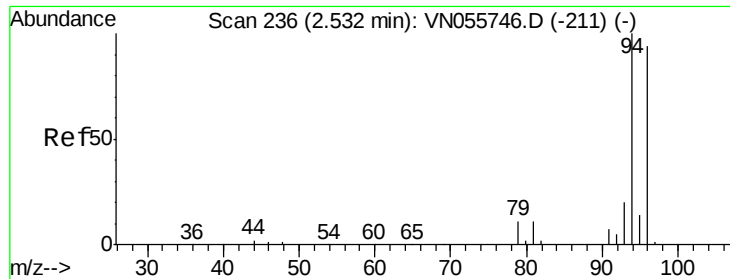
Tgt Ion: 62 Resp: 57692

Ion Ratio Lower Upper

62 100

64 31.9 25.6 38.4

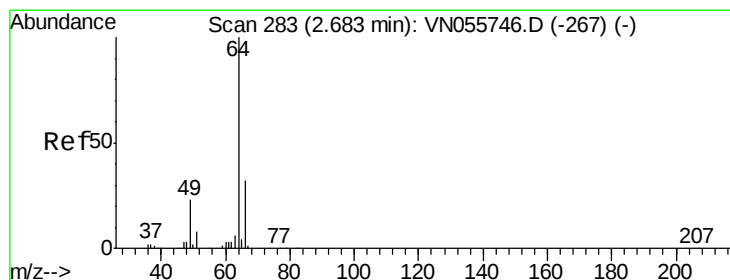
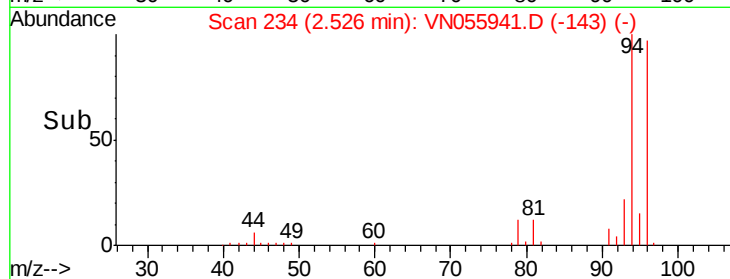
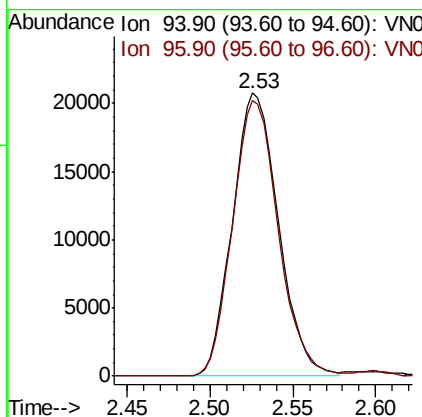
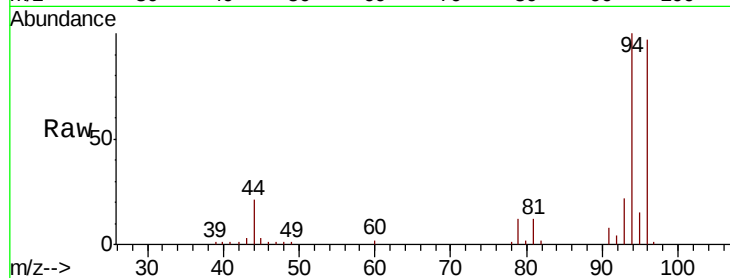




#5
 Bromomethane
 Concen: 21.692 ug/l
 RT: 2.53 min Scan# 234
 Delta R.T. -0.01 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

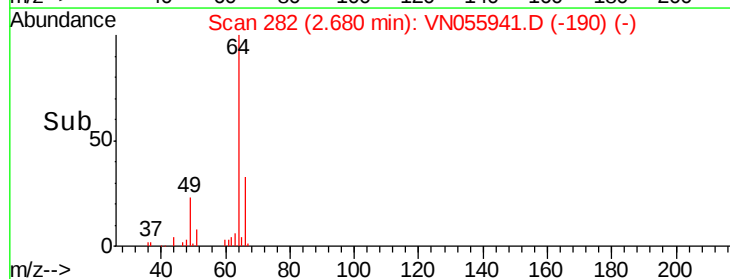
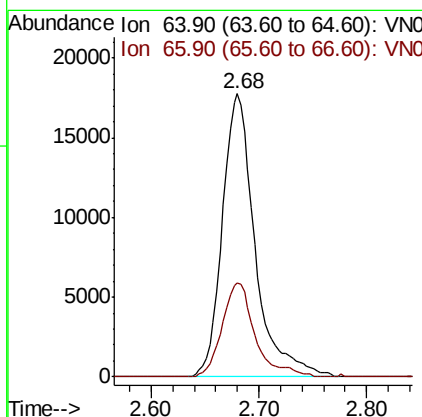
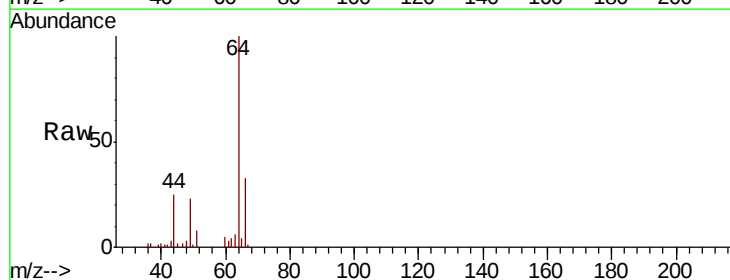
Instrument :
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 VN0531WBSD02

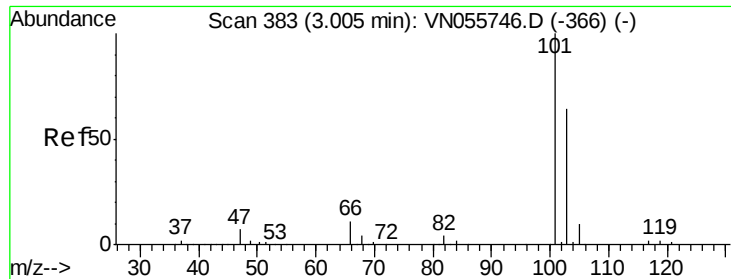
Tot Ion: 94 Resp: 39957
 Ion Ratio Lower Upper
 94 100
 96 97.3 75.5 113.3



#6
 Chloroethane
 Concen: 21.162 ug/l
 RT: 2.68 min Scan# 282
 Delta R.T. -0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Tgt Ion: 64 Resp: 37513
 Ion Ratio Lower Upper
 64 100
 66 33.3 25.4 38.0



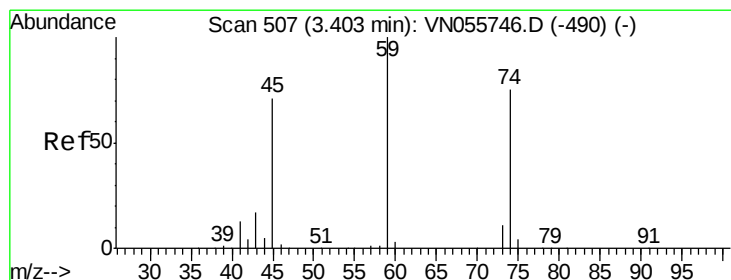
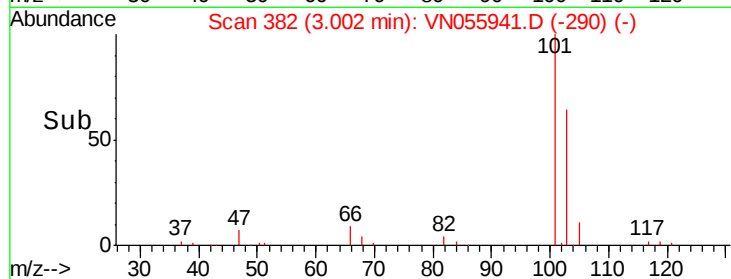
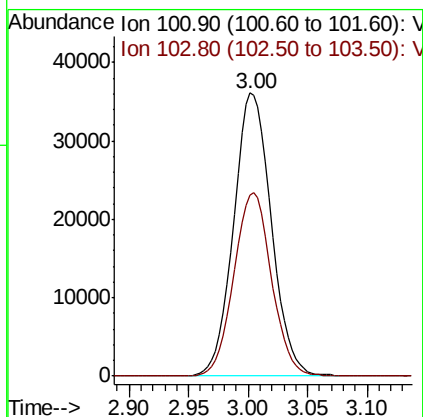
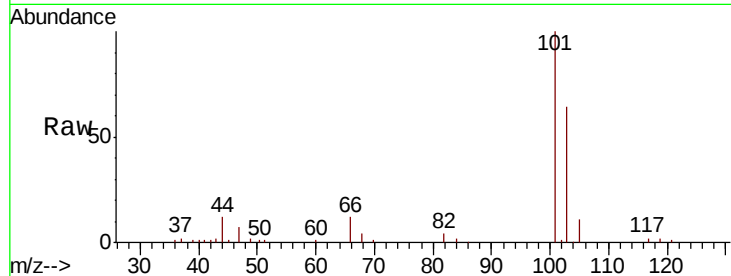


#7

Trichlorofluoromethane
 Concen: 20.515 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Instrument :
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 VN0531WBSD02

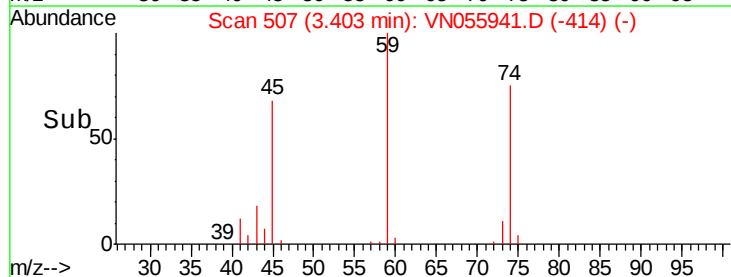
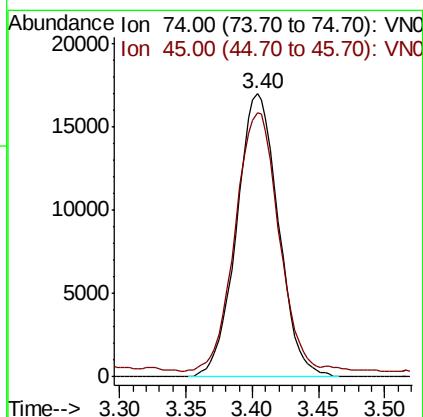
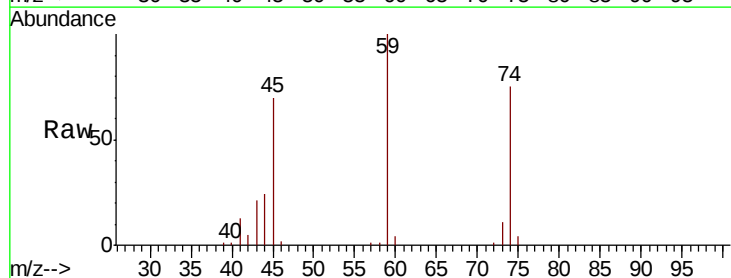
Tot Ion:101 Resp: 79191
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.2 76.8

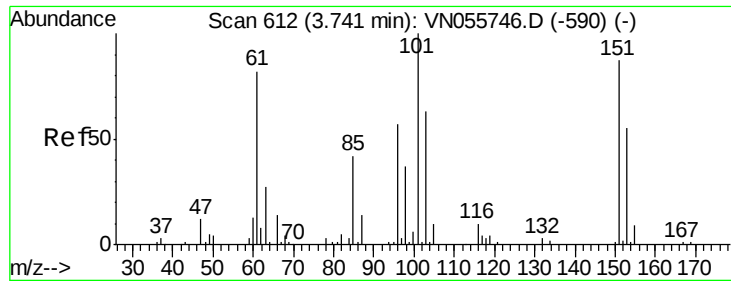


#8

Diethyl Ether
 Concen: 21.523 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Tgt Ion: 74 Resp: 37236
 Ion Ratio Lower Upper
 74 100
 45 94.4 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.252 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

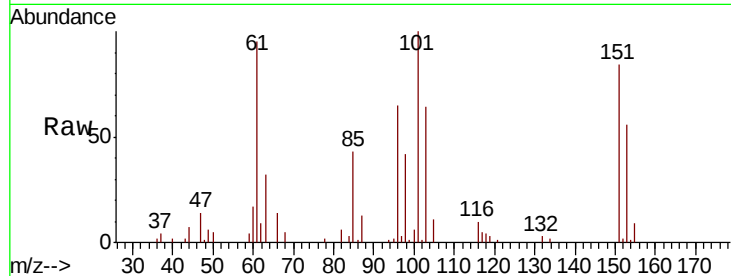
Tot Ion:101 Resp: 48798

Ion Ratio Lower Upper

101 100

85 43.2 33.4 50.2

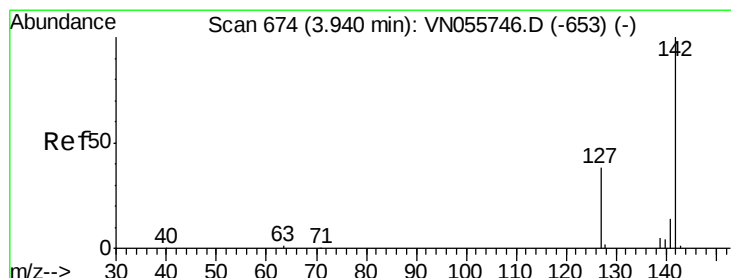
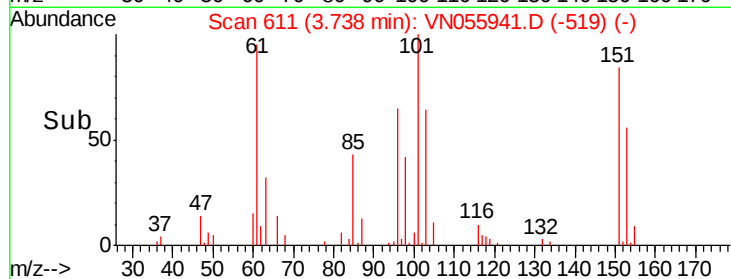
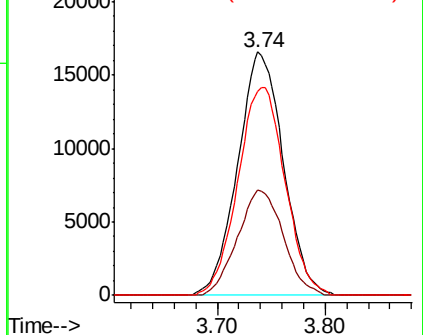
151 88.0 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.927 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

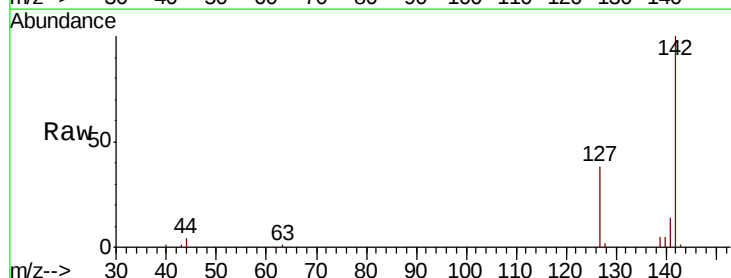
Tgt Ion:142 Resp: 73723

Ion Ratio Lower Upper

142 100

127 38.5 31.0 46.4

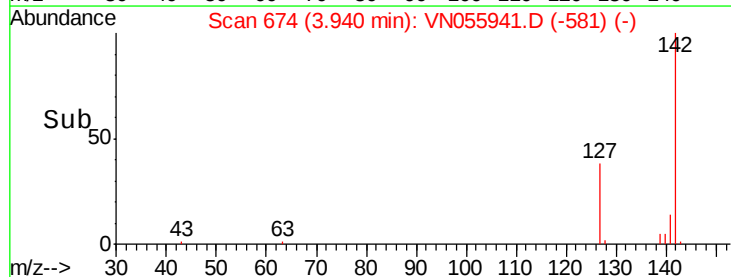
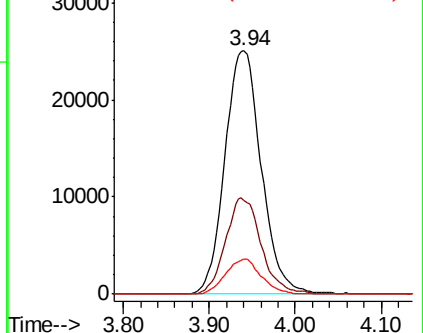
141 13.9 11.4 17.0

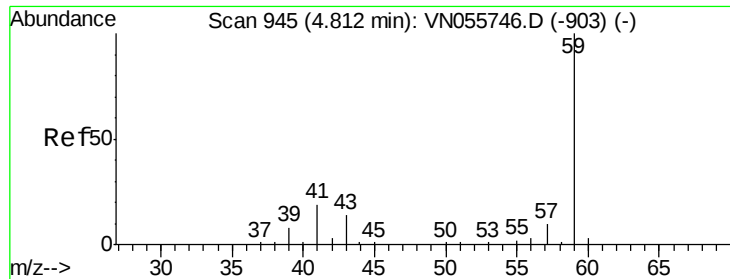


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

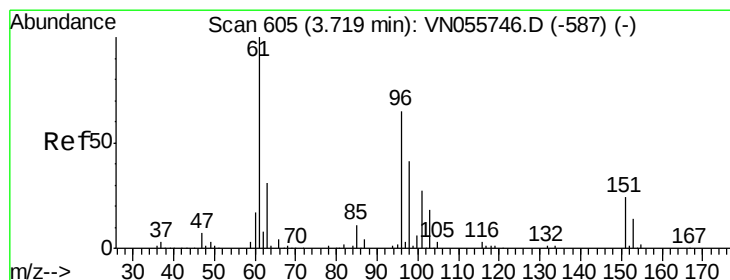
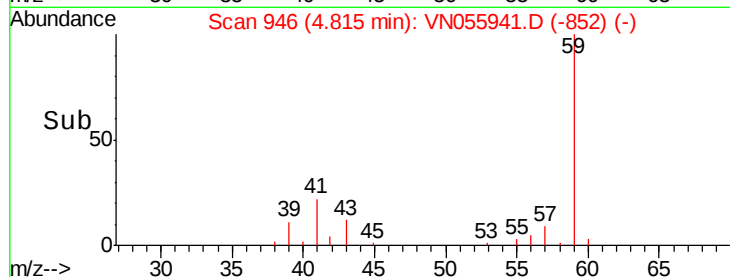
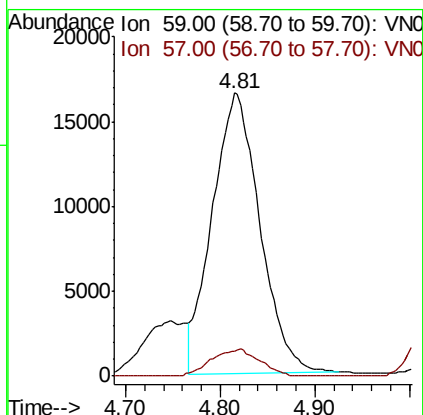
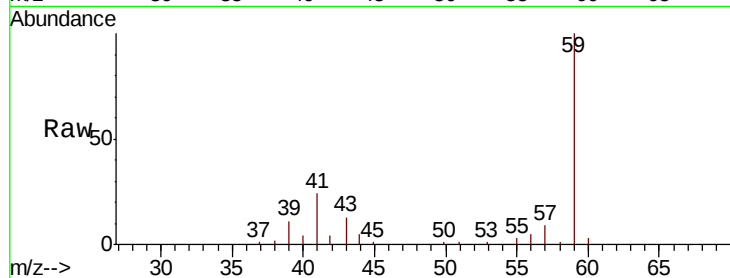




#11
Tert butyl alcohol
Concen: 100.321 ug/l
RT: 4.81 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

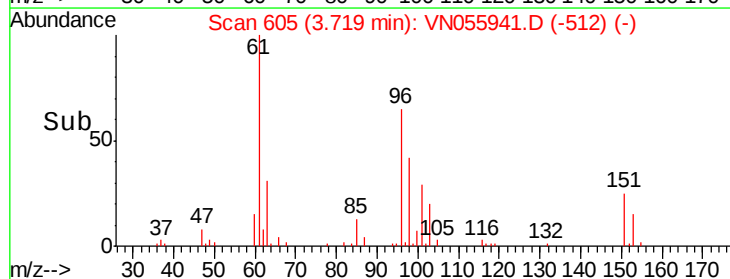
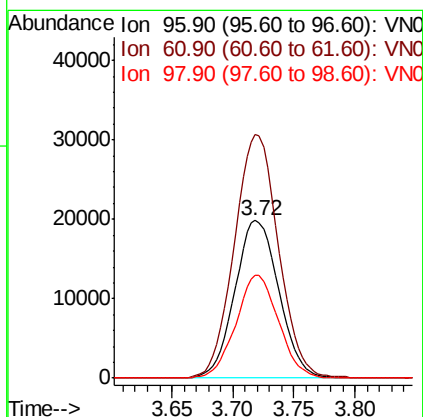
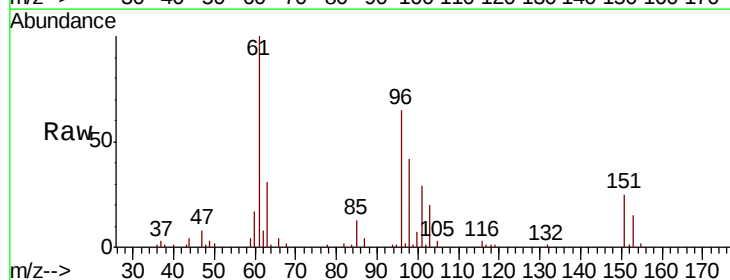
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

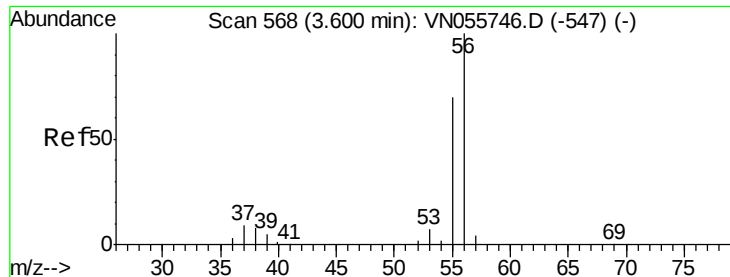
Tot Ion: 59 Resp: 57950
Ion Ratio Lower Upper
59 100
57 9.7 7.8 11.6



#12
1,1-Dichloroethene
Concen: 19.993 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion: 96 Resp: 49778
Ion Ratio Lower Upper
96 100
61 154.3 123.2 184.8
98 65.3 50.4 75.6





#13

Acrolein

Concen: 56.064 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

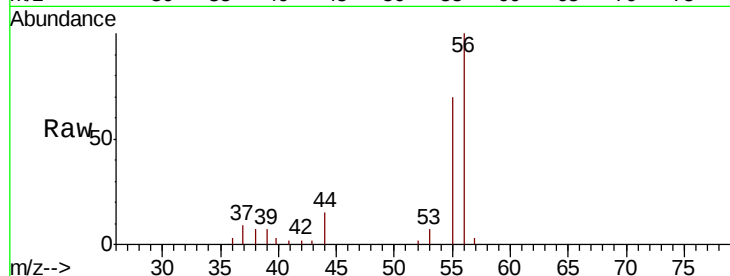
VN0531WBSD02

Tot Ion: 56 Resp: 23189

Ion Ratio Lower Upper

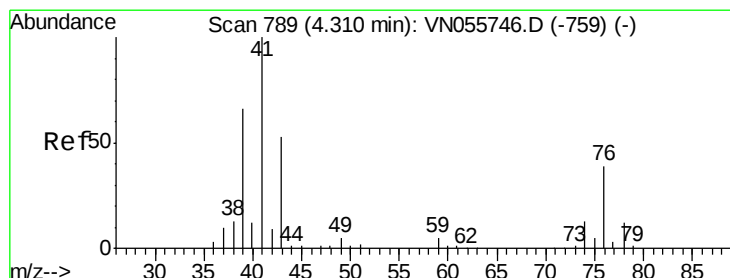
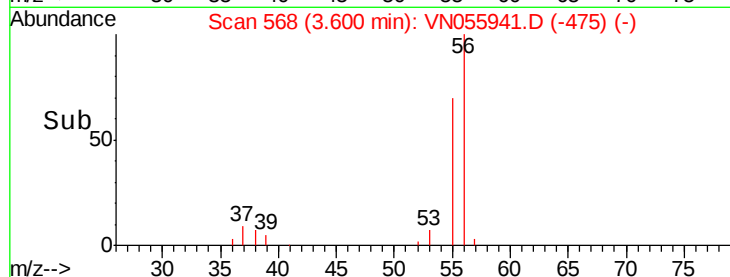
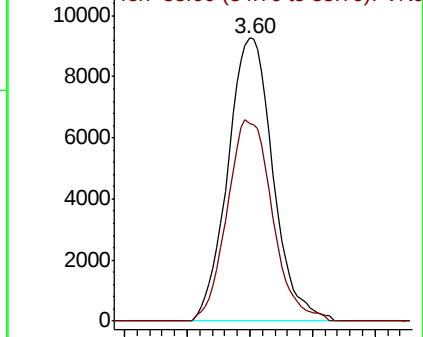
56 100

55 71.2 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.501 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

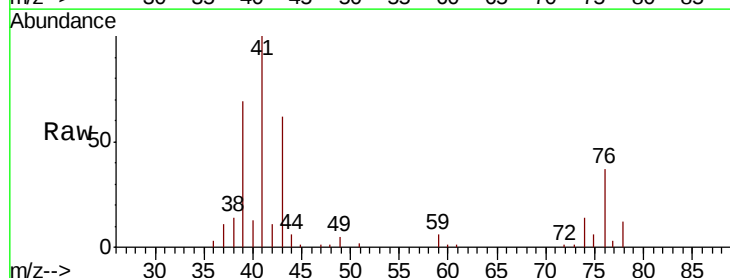
Tgt Ion: 41 Resp: 78967

Ion Ratio Lower Upper

41 100

39 63.6 50.0 75.0

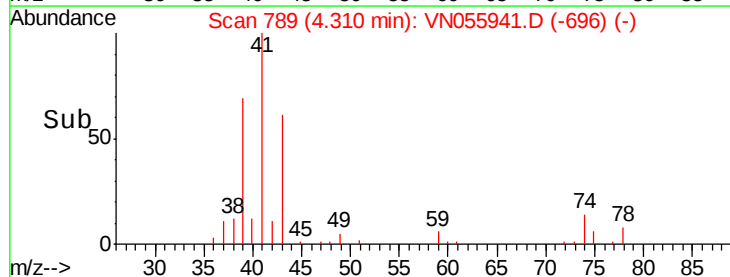
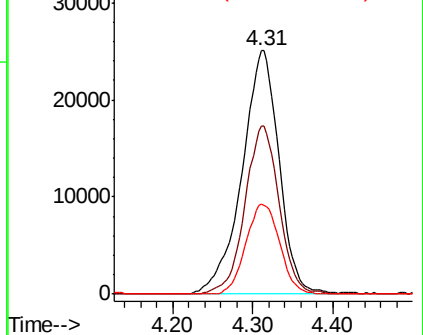
76 33.6 28.2 42.2

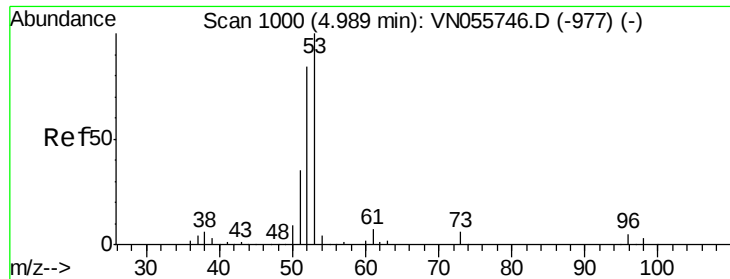


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

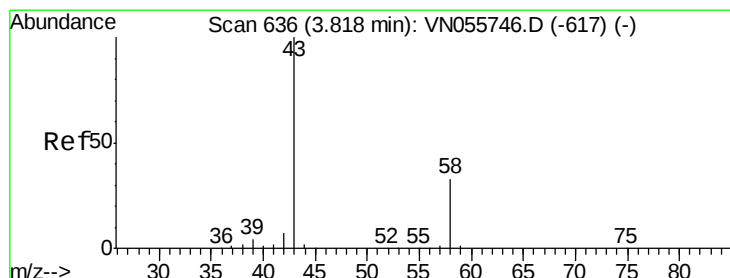
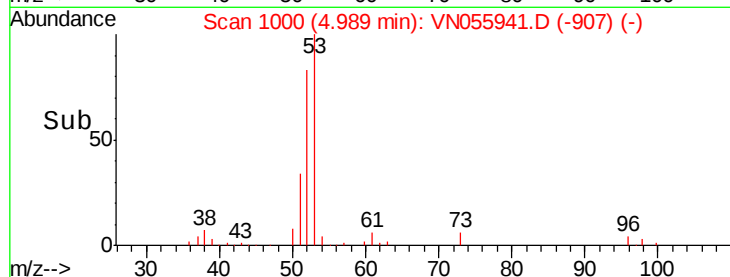
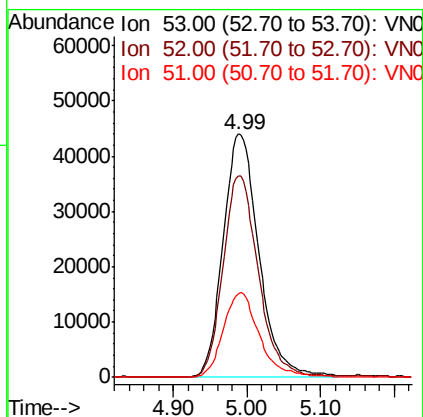
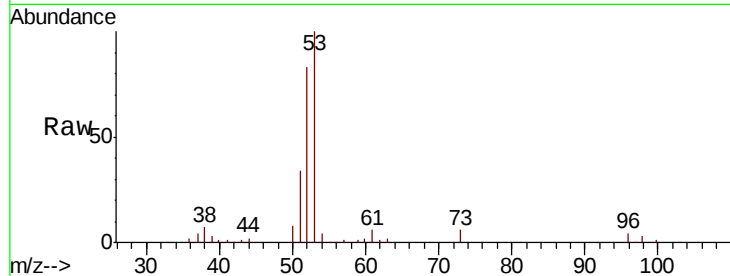




#15
 Acrylonitrile
 Concen: 112.372 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

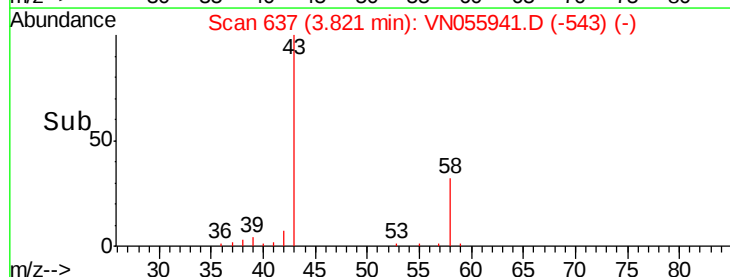
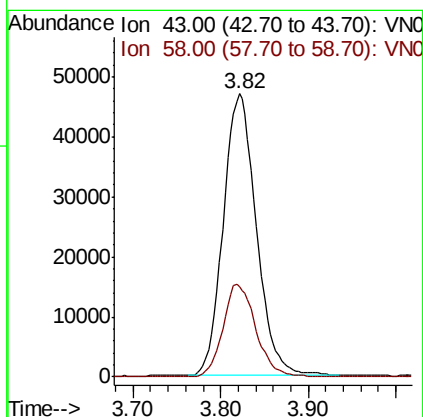
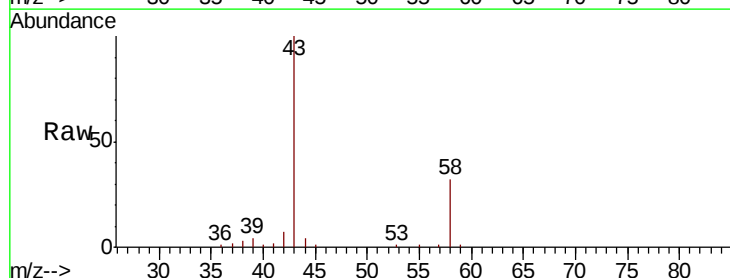
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD02

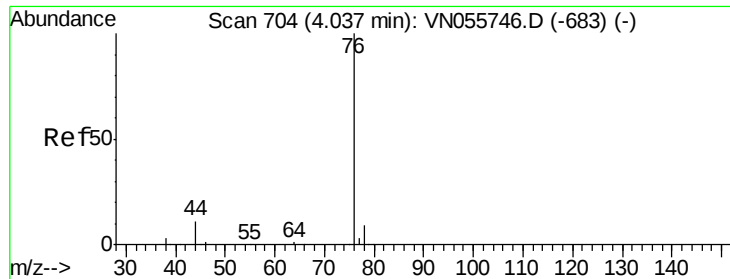
Tot Ion: 53 Resp: 149053
 Ion Ratio Lower Upper
 53 100
 52 81.8 65.8 98.8
 51 34.9 28.2 42.4



#16
 Acetone
 Concen: 92.551 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Tgt Ion: 43 Resp: 122998
 Ion Ratio Lower Upper
 43 100
 58 32.0 26.6 39.8

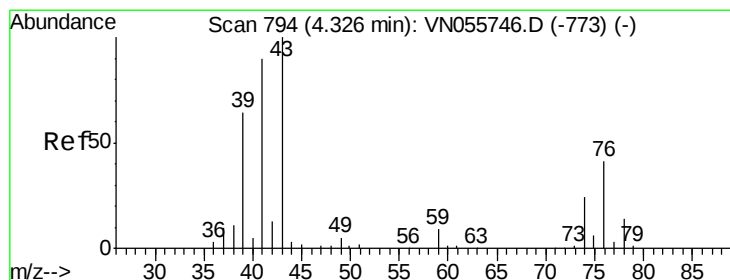
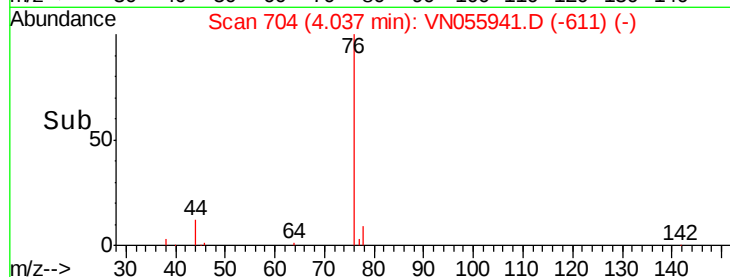
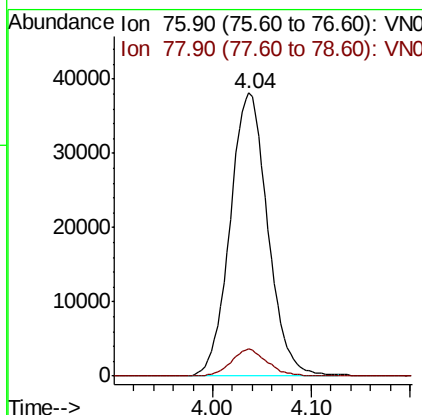
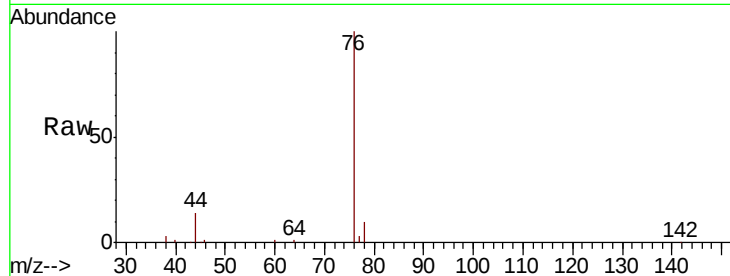




#17
Carbon Disulfide
Concen: 14.315 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

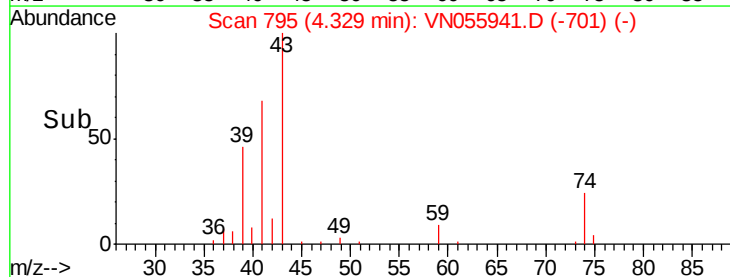
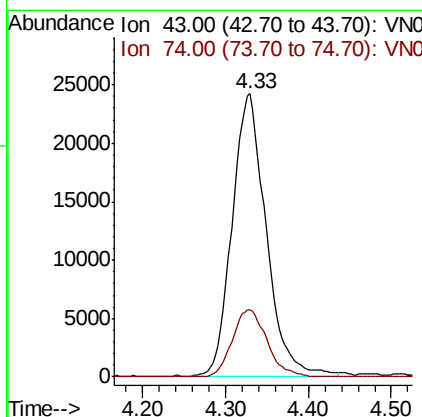
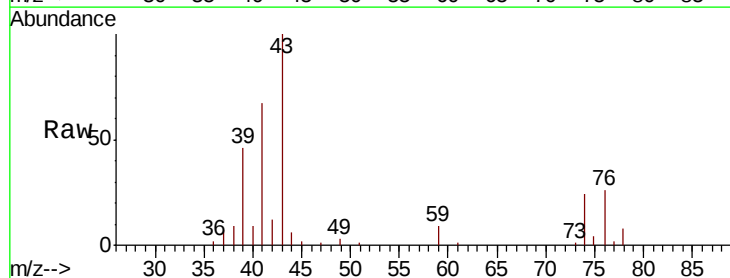
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

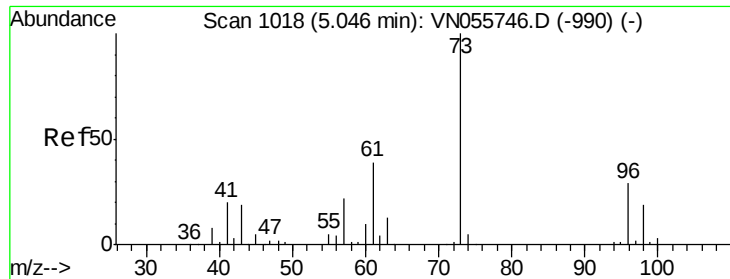
Tot Ion: 76 Resp: 101263
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.2



#18
Methyl Acetate
Concen: 25.150 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion: 43 Resp: 69647
Ion Ratio Lower Upper
43 100
74 23.9 19.3 28.9

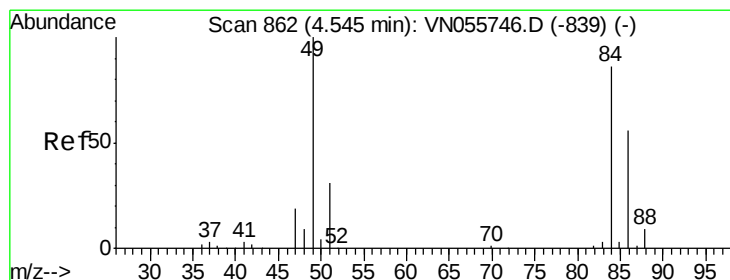
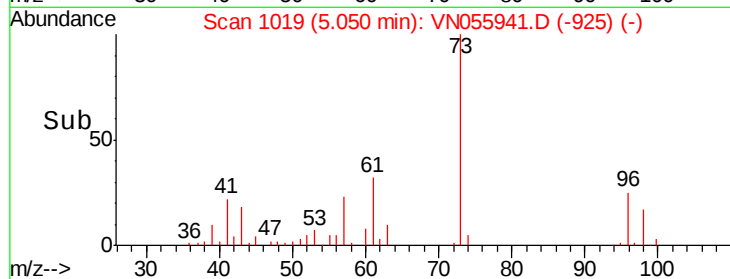
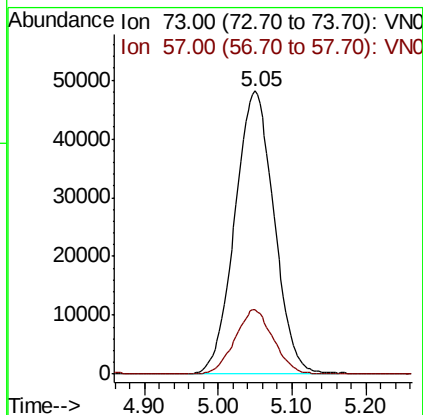
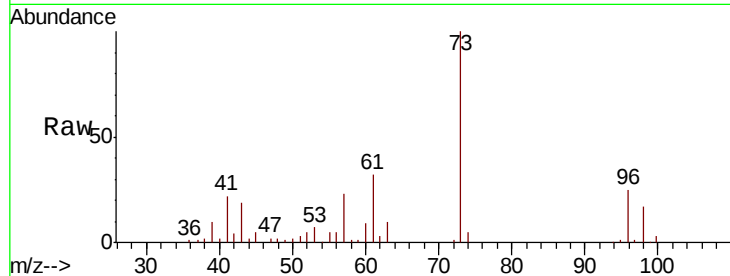




#19
Methvl tert-butvl Ether
Concen: 21.437 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

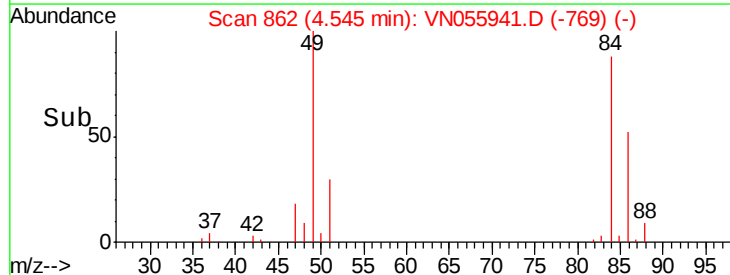
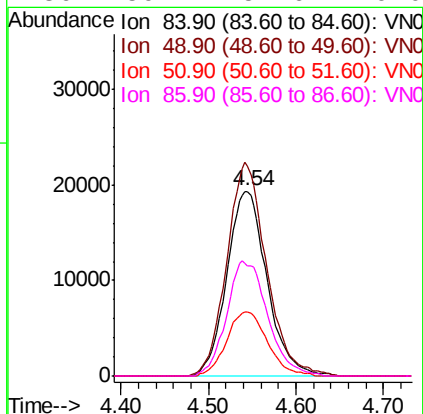
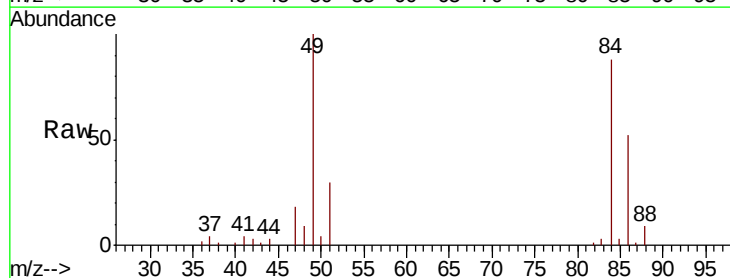
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

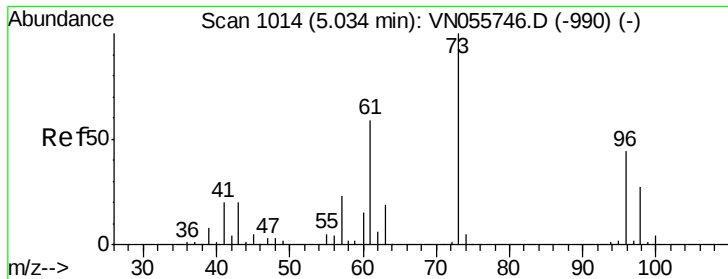
Tot Ion: 73 Resp: 178009
Ion Ratio Lower Upper
73 100
57 22.6 17.8 26.8



#20
Methylene Chloride
Concen: 21.429 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion: 84 Resp: 61676
Ion Ratio Lower Upper
84 100
49 113.8 93.5 140.3
51 34.3 28.6 43.0
86 59.7 52.6 79.0

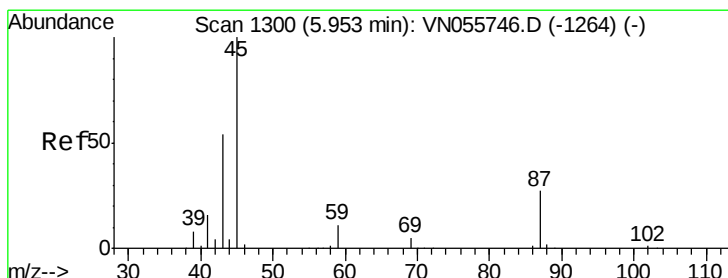
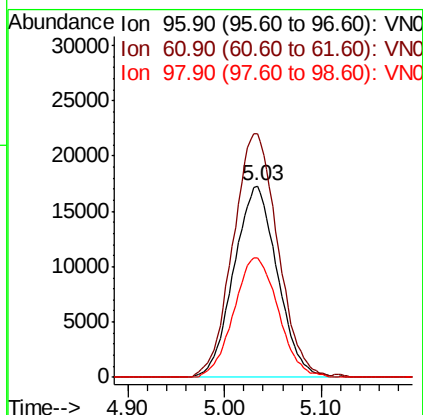
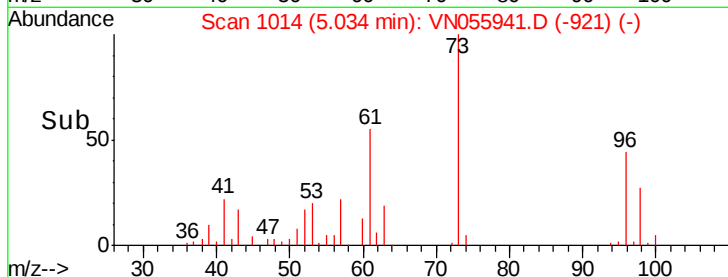
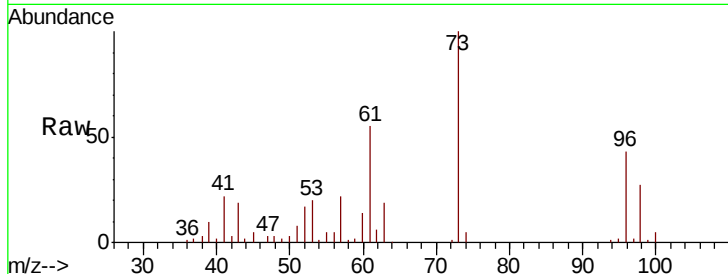




#21
trans-1,2-Dichloroethene
Concen: 20.188 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

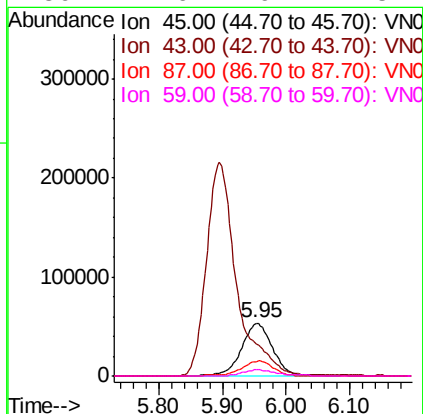
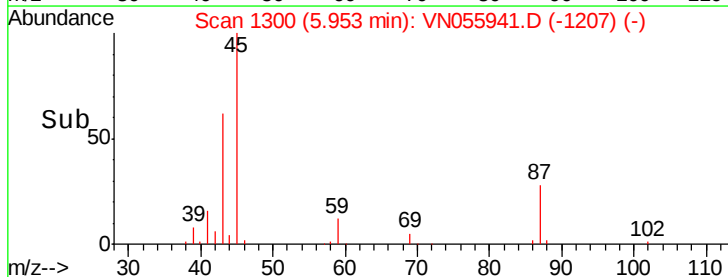
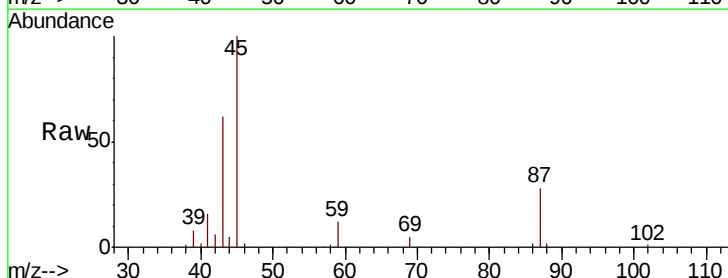
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

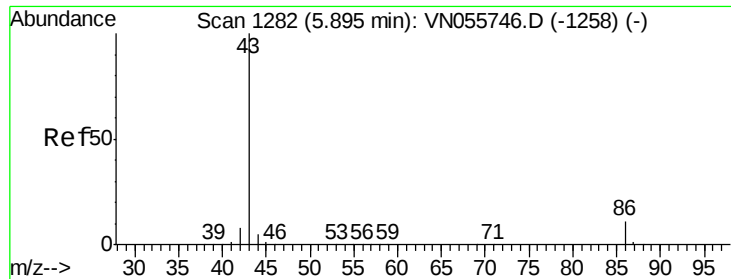
Tot Ion: 96 Resp: 53999
Ion Ratio Lower Upper
96 100
61 127.0 107.8 161.8
98 62.4 49.8 74.8



#22
Diisopropyl ether
Concen: 21.824 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion: 45 Resp: 181171
Ion Ratio Lower Upper
45 100
43 60.5 45.0 67.6
87 27.6 22.2 33.4
59 11.6 9.1 13.7

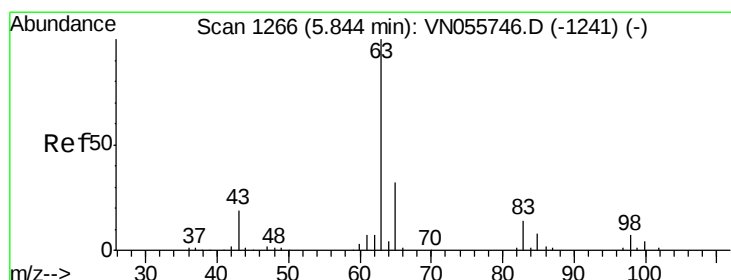
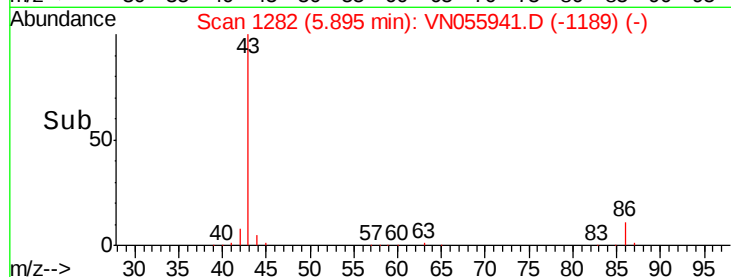
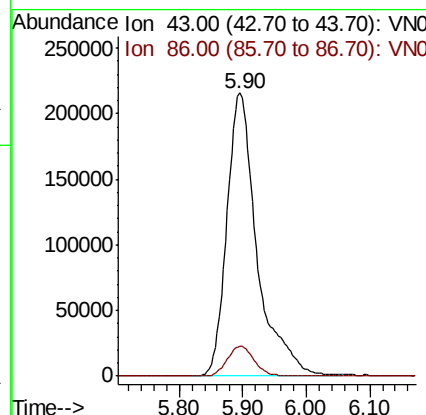
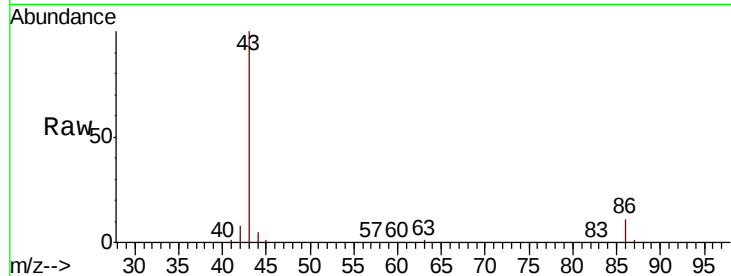




#23
 Vinyl Acetate
 Concen: 100.271 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

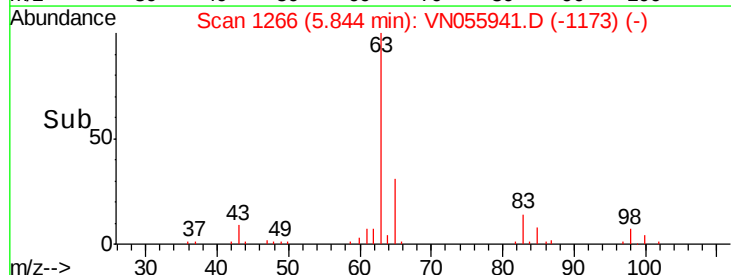
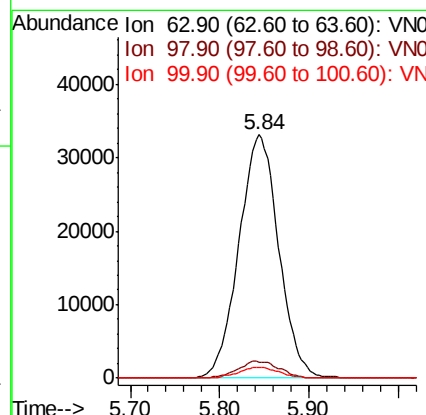
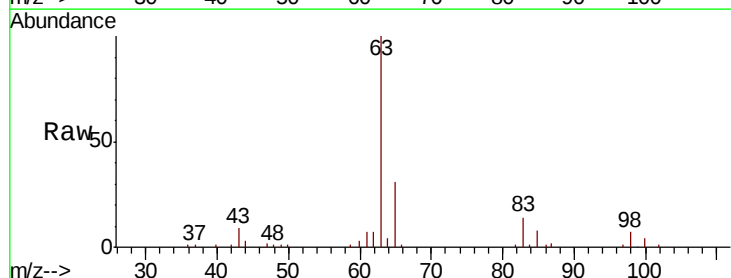
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0531WBSD02

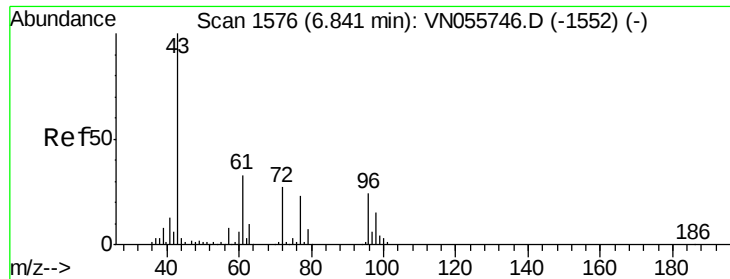
Tot Ion: 43 Resp: 713680
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 21.227 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Tgt Ion: 63 Resp: 102599
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.4 10.1
 100 4.2 2.2 6.6





#25

2-Butanone

Concen: 106.337 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

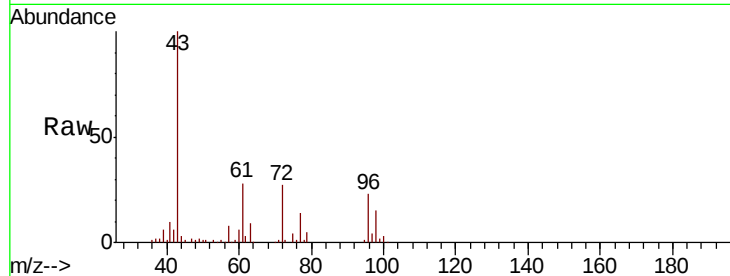
VN0531WBSD02

Tot Ion: 43 Resp: 197362

Ion Ratio Lower Upper

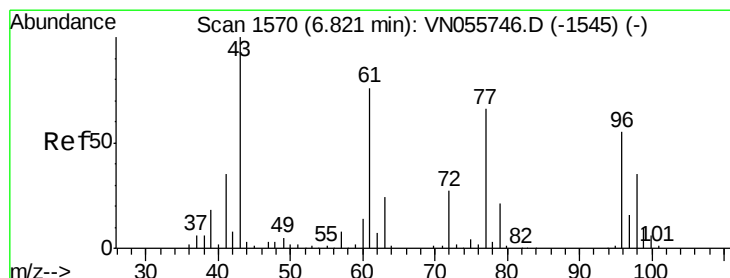
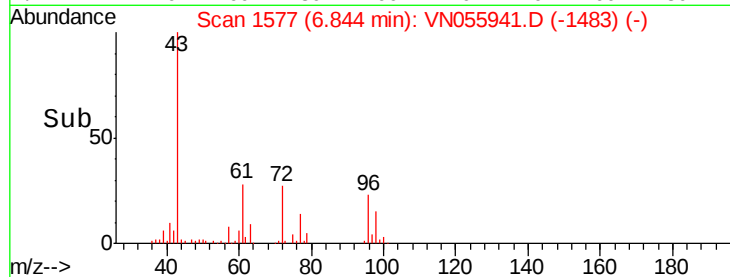
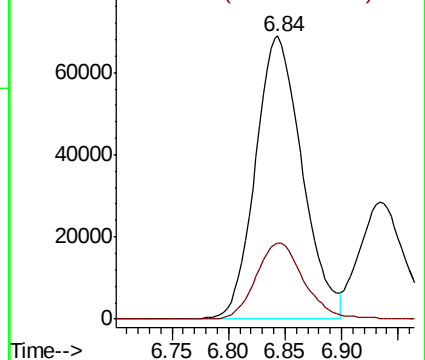
43 100

72 27.1 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 12.982 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055941.D

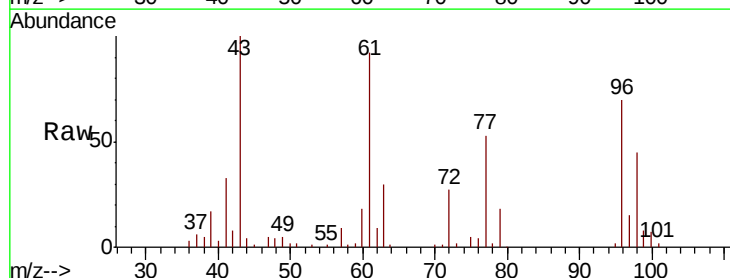
Acq: 1 Jun 2019 2:01

Tgt Ion: 77 Resp: 54306

Ion Ratio Lower Upper

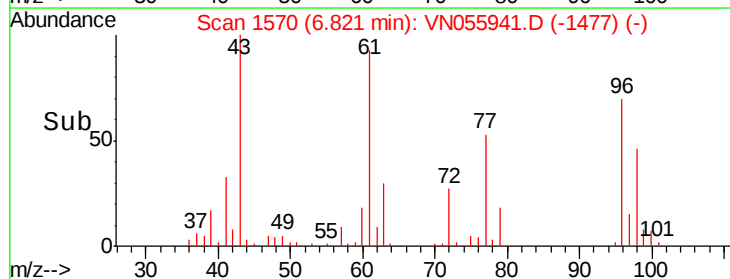
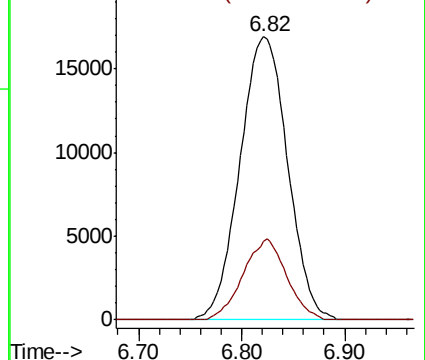
77 100

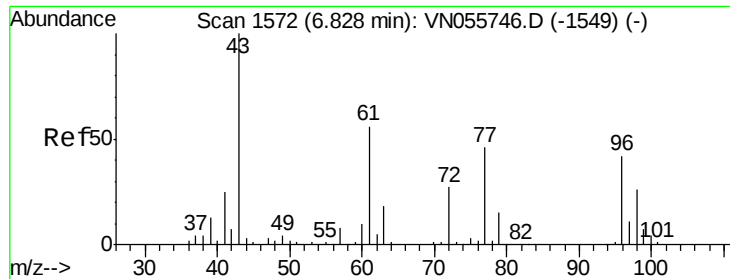
97 26.2 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

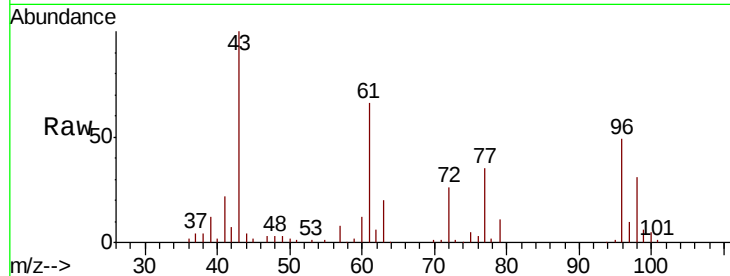




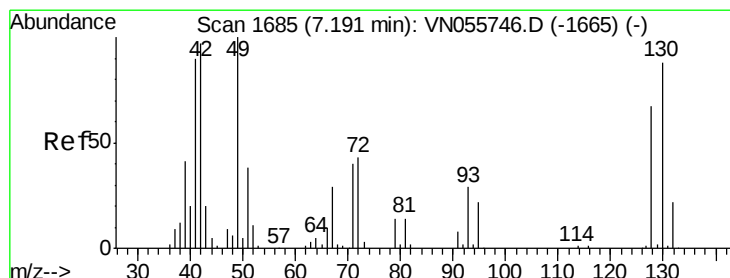
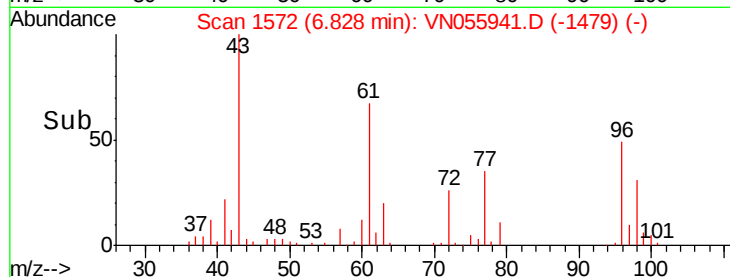
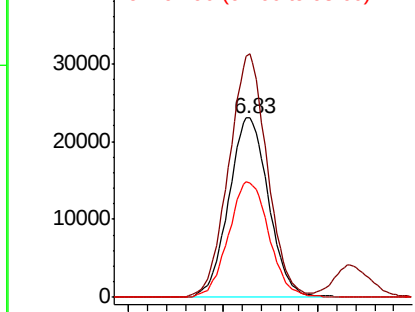
#27
 cis-1,2-Dichloroethene
 Concen: 21.555 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0531WBSD02

Tot Ion: 96 Resp: 67266
 Ion Ratio Lower Upper
 96 100
 61 130.9 0.0 275.8
 98 65.0 0.0 128.4

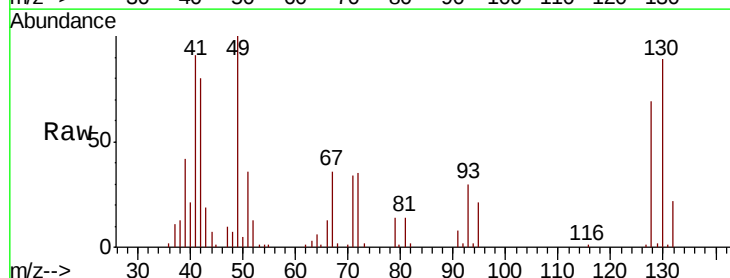


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

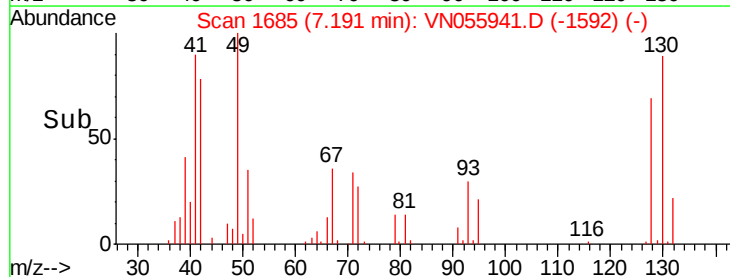
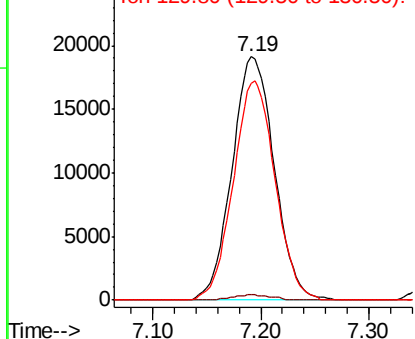


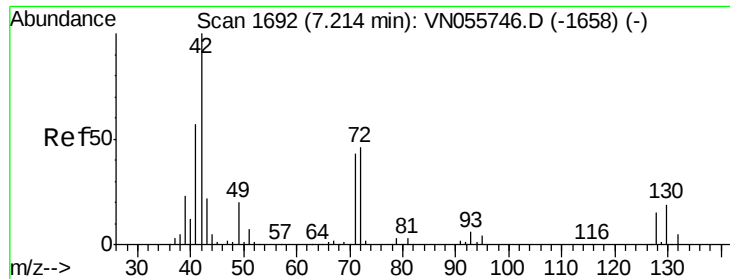
#28
 Bromochloromethane
 Concen: 22.675 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Tgt Ion: 49 Resp: 52181
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.4
 130 88.8 71.2 106.8



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

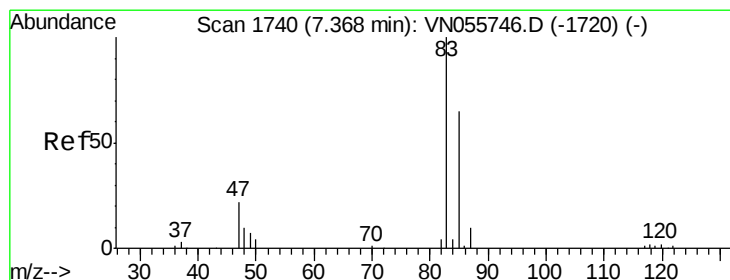
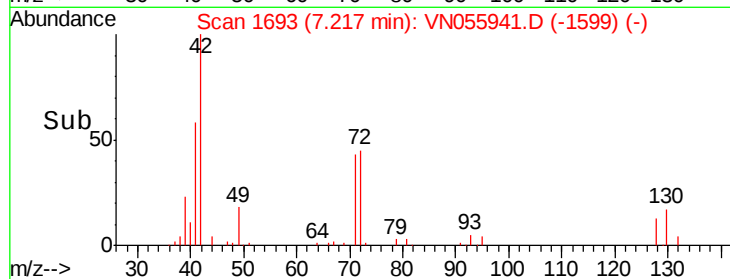
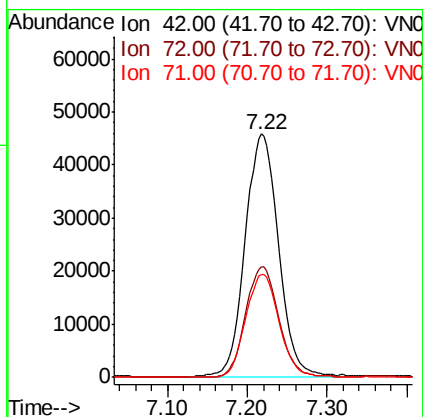
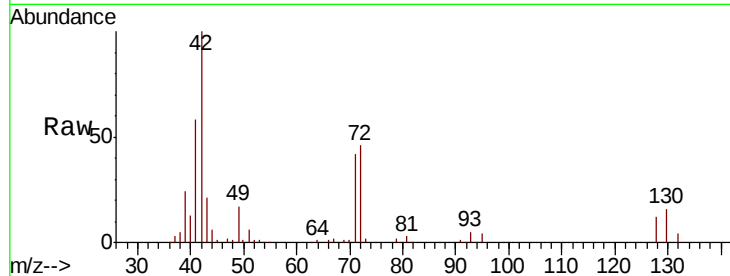




#29
Tetrahydrofuran
Concen: 111.476 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

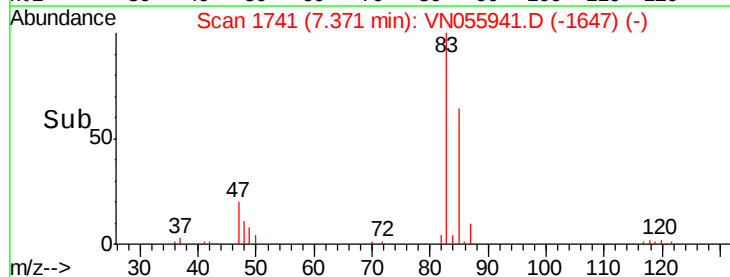
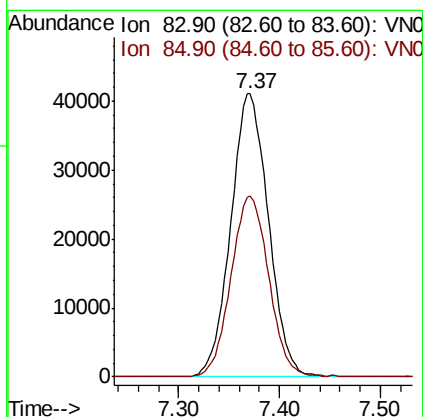
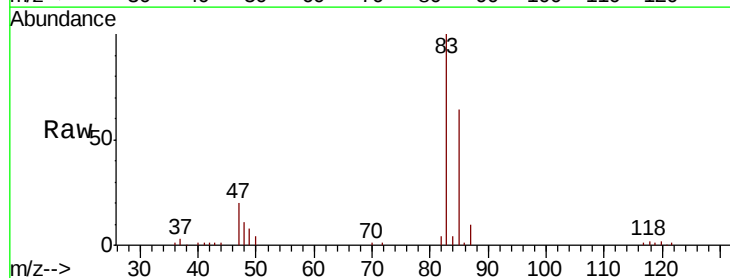
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

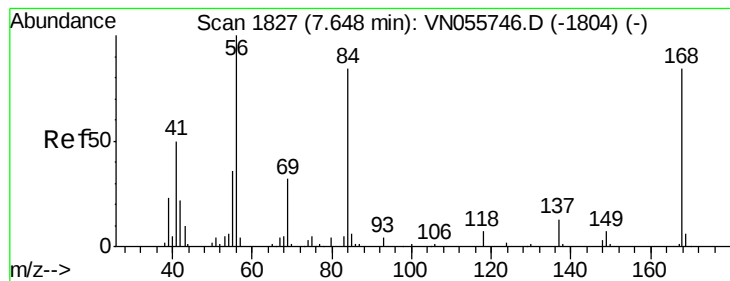
Tot Ion: 42 Resp: 131024
Ion Ratio Lower Upper
42 100
72 45.1 35.9 53.9
71 42.4 34.0 51.0



#30
Chloroform
Concen: 22.074 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion: 83 Resp: 106402
Ion Ratio Lower Upper
83 100
85 63.9 51.8 77.8





#31

Cyclohexane

Concen: 19.723 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

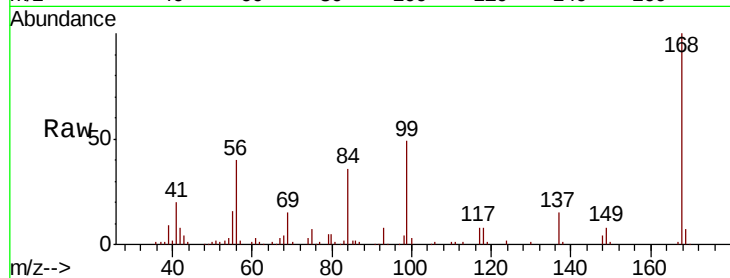
Tot Ion: 56 Resp: 89500

Ion Ratio Lower Upper

56 100

69 36.7 25.6 38.4

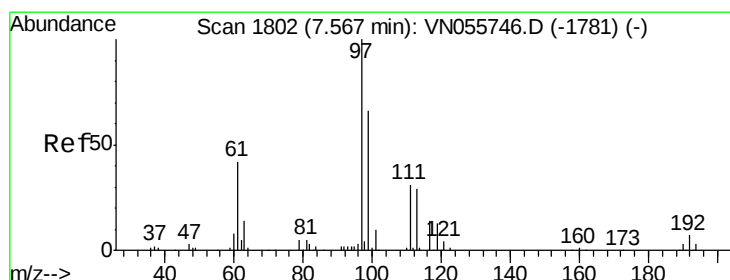
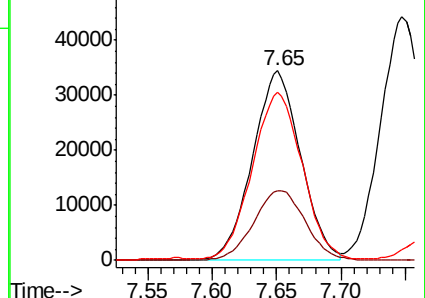
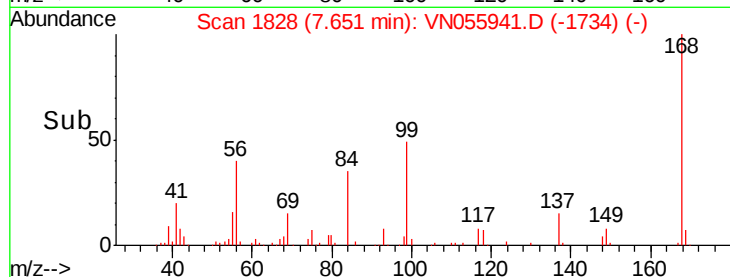
84 88.0 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.922 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

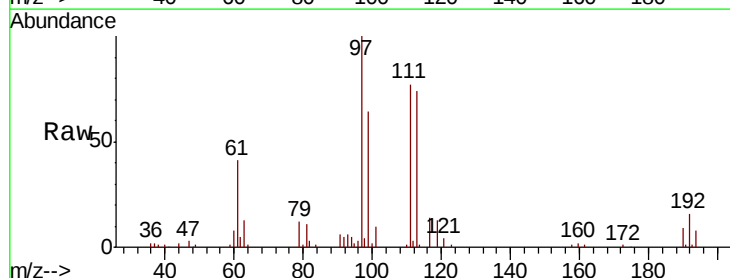
Tgt Ion: 97 Resp: 85691

Ion Ratio Lower Upper

97 100

99 63.9 52.0 78.0

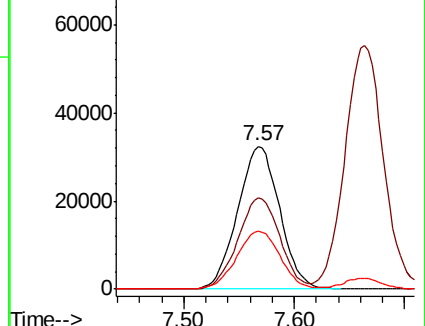
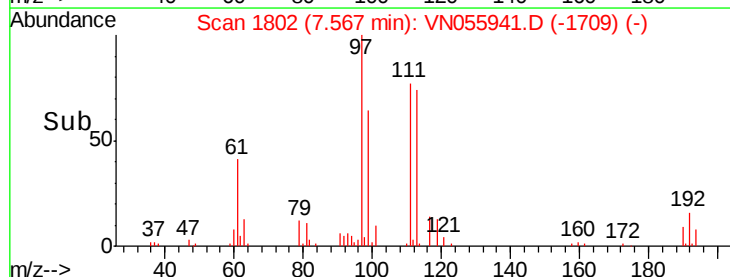
61 42.2 32.9 49.3

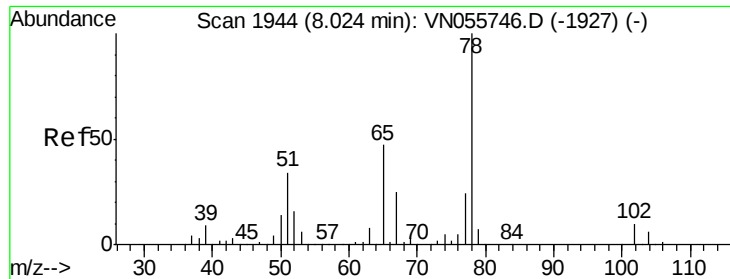


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

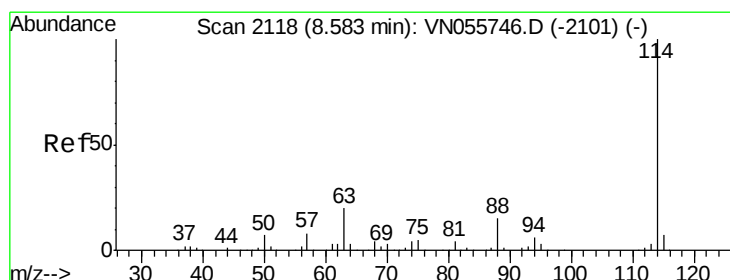
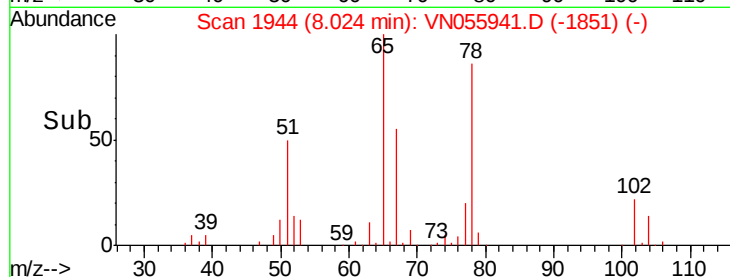
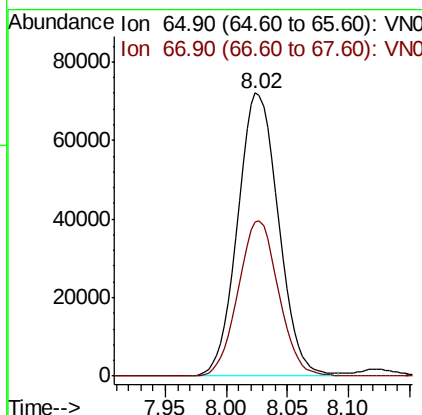
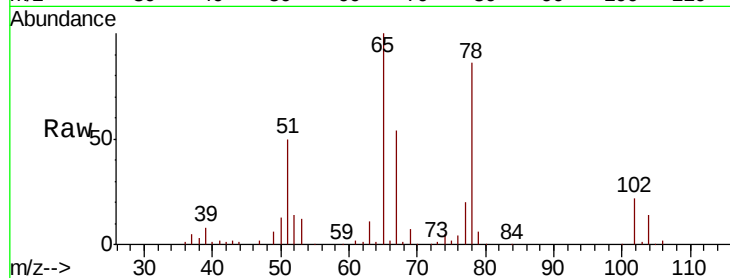




#33
 1,2-Dichloroethane-d4
 Concen: 55.348 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

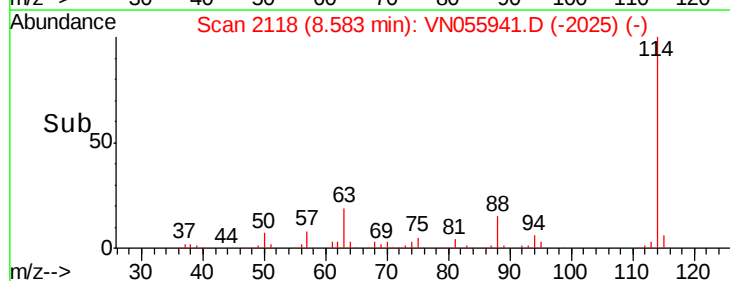
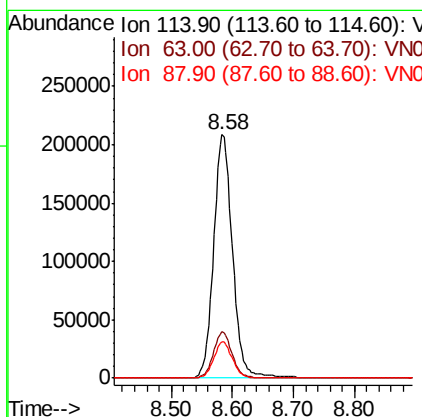
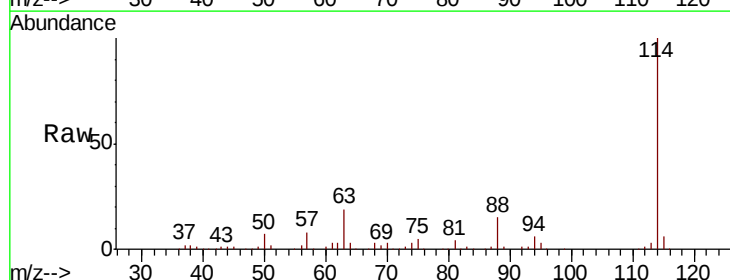
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD02

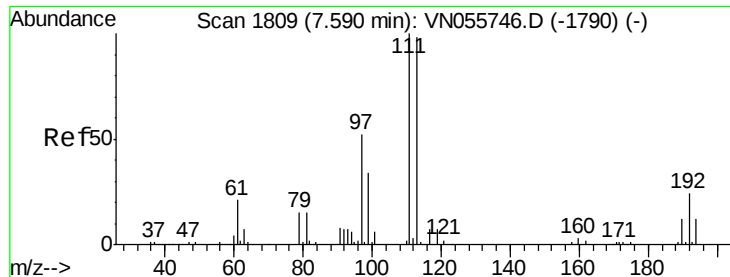
Tot Ion: 65 Resp: 167331
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Tgt Ion: 114 Resp: 448749
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.2
 88 15.1 0.0 31.0

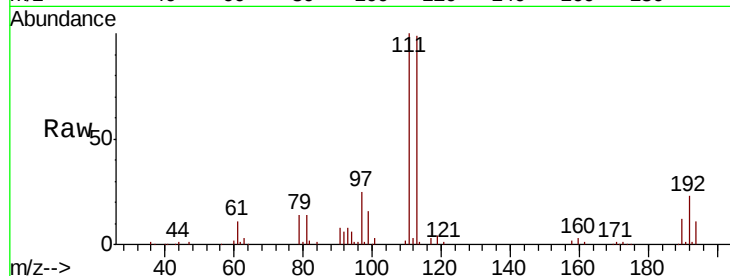




#35
 Dibromofluoromethane
 Concen: 51.777 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.9	122.9
192	23.1	19.5	29.3

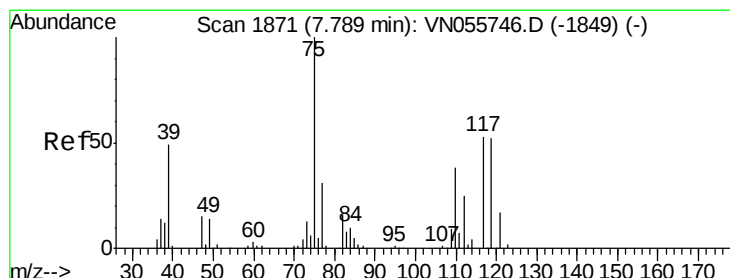
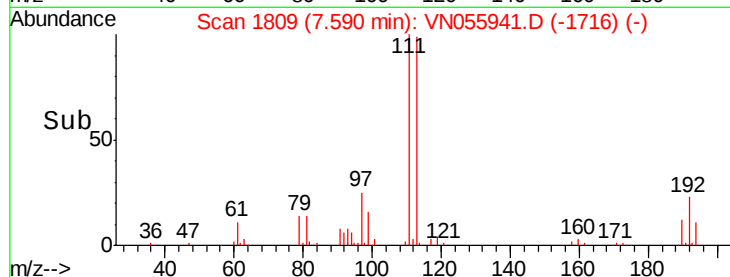
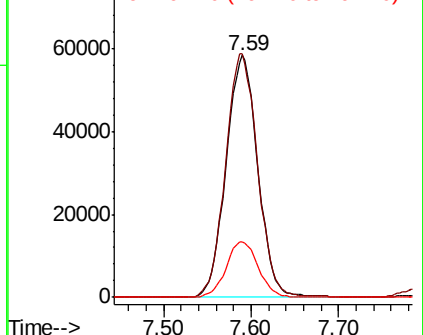


Abundance

Ion 112.80 (112.50 to 113.50): V

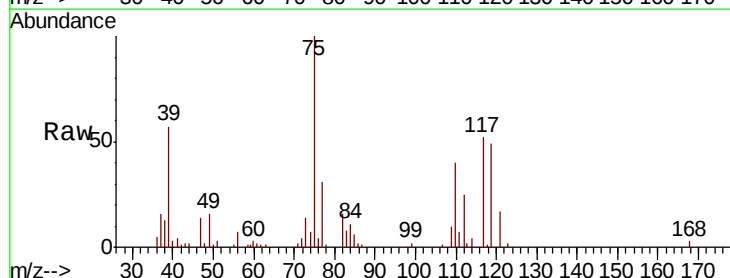
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.315 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.2	19.0	57.0
77	32.0	25.1	37.7

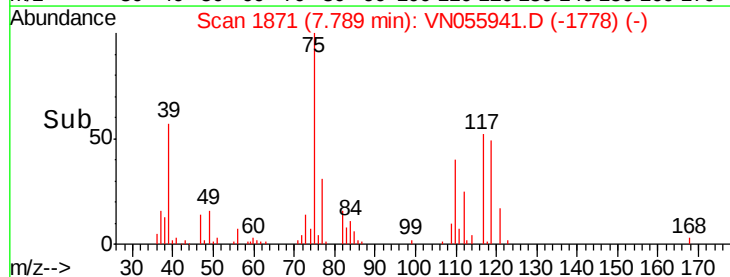
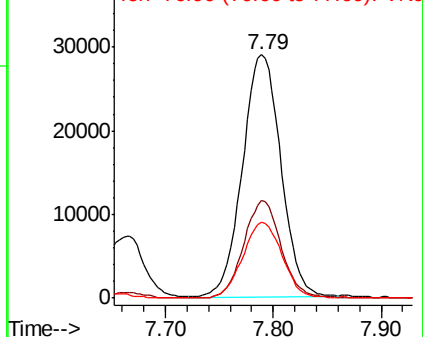


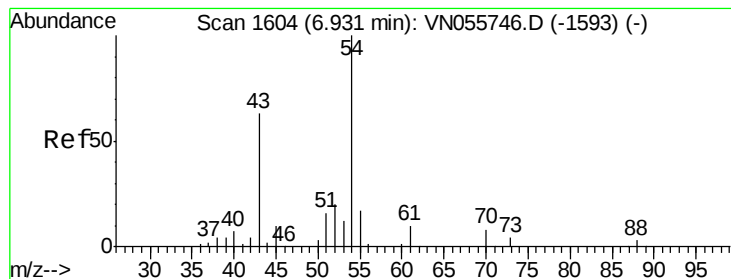
Abundance

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: 21.023 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

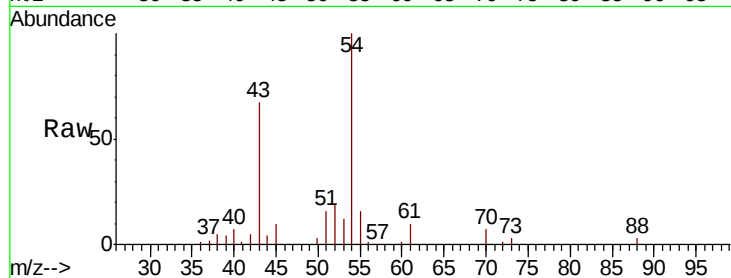
Tot Ion: 43 Resp: 79460

Ion Ratio Lower Upper

43 100

61 14.6 12.2 18.2

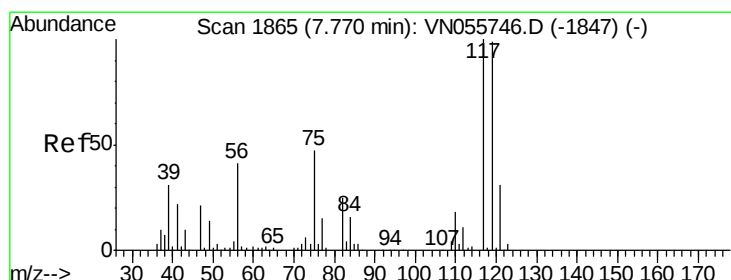
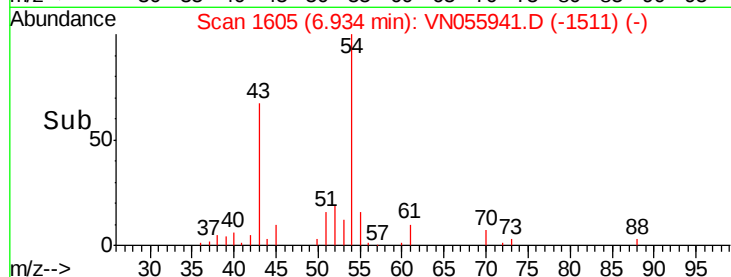
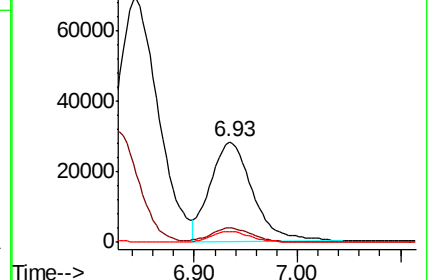
70 10.5 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1593) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-1593) (-)

Ion 70.00 (69.70 to 70.70): VN055746.D (-1593) (-)



#38

Carbon Tetrachloride

Concen: 17.258 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

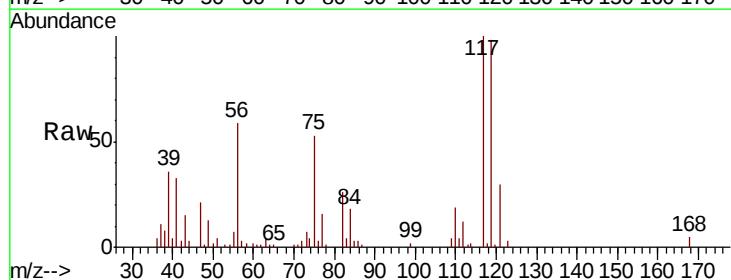
Tgt Ion: 117 Resp: 70299

Ion Ratio Lower Upper

117 100

119 98.3 79.0 118.6

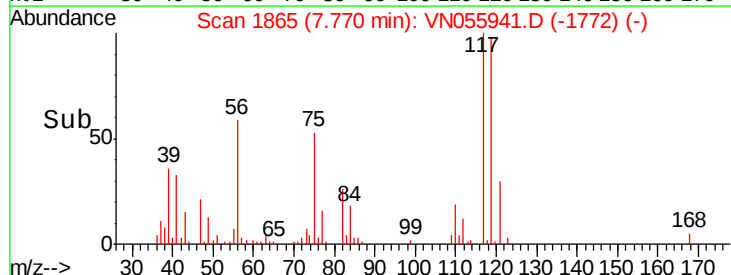
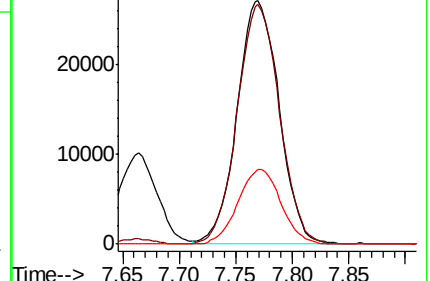
121 30.5 24.7 37.1

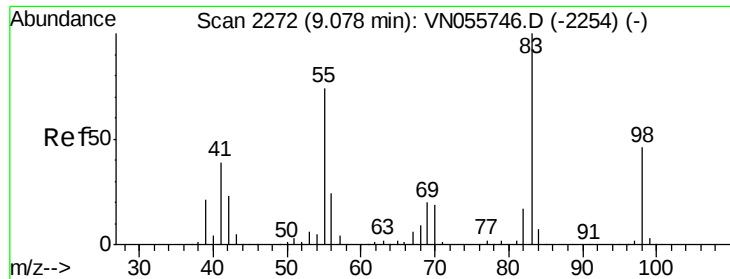


Abundance Ion 116.80 (116.50 to 117.50): VN055746.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN055746.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055746.D (-1847) (-)

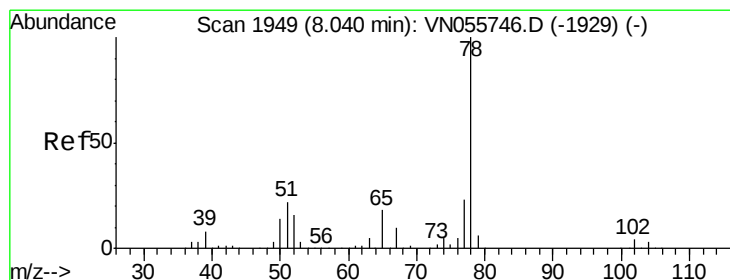
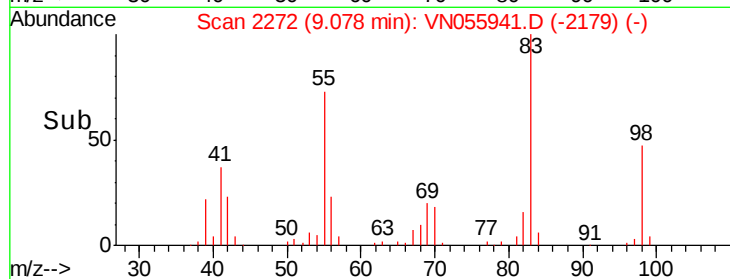
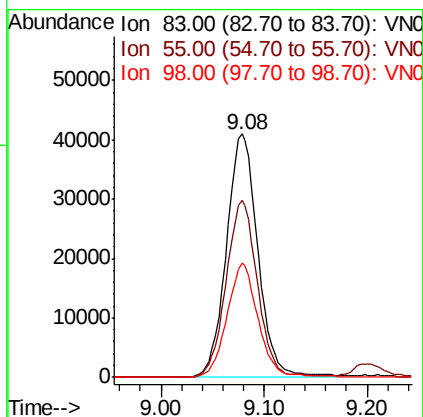
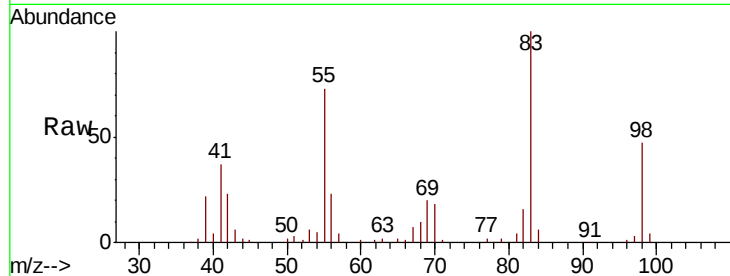




#39
Methvlcvclohexane
Concen: 17.979 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

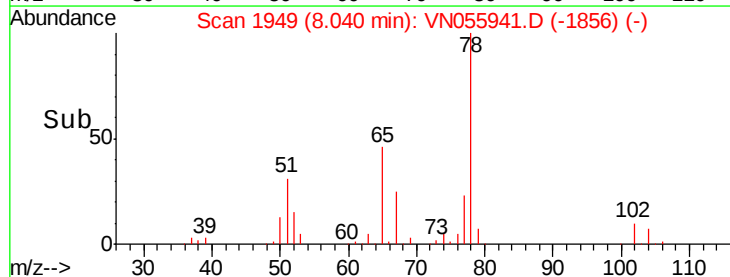
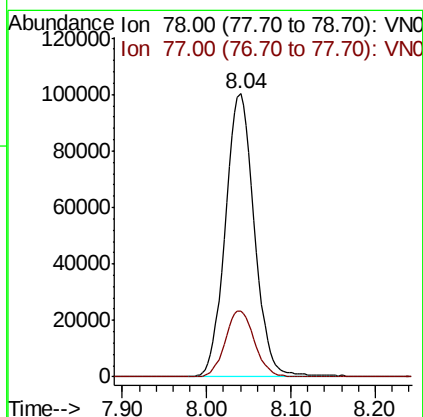
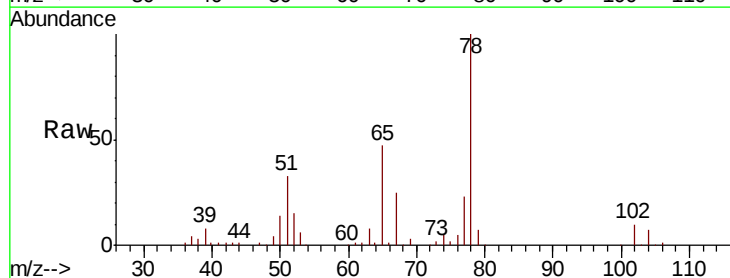
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

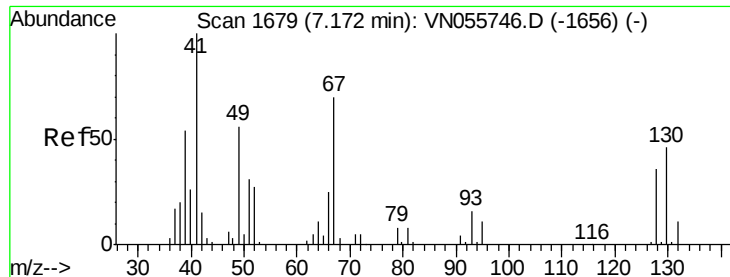
Tot Ion: 83 Resp: 87065
Ion Ratio Lower Upper
83 100
55 72.7 59.3 88.9
98 46.7 36.6 54.8



#40
Benzene
Concen: 20.362 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion: 78 Resp: 239982
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

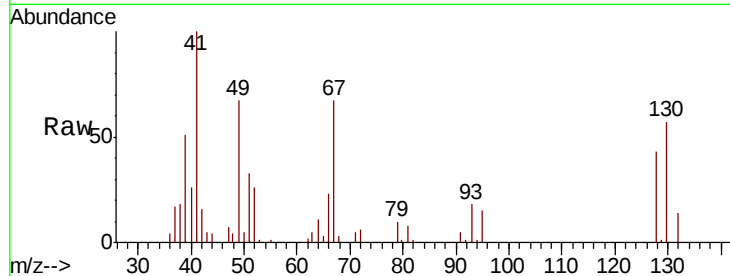




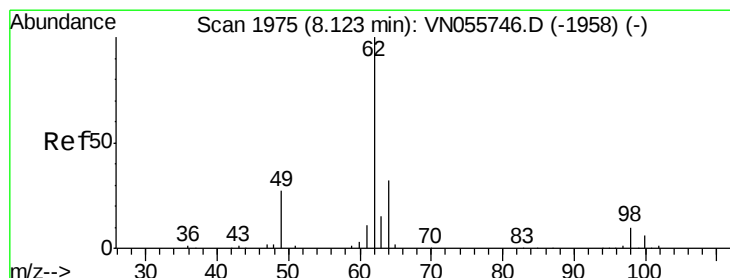
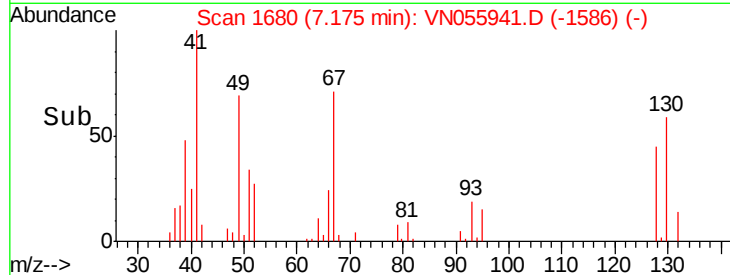
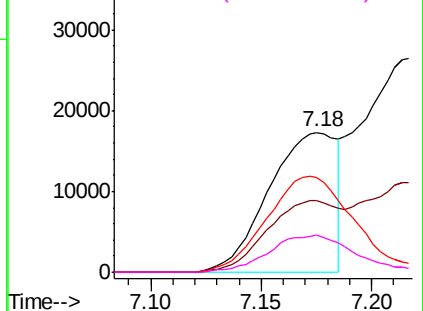
#41
Methacrylonitrile
Concen: 19.309 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

Tot Ion: 41 Resp: 36871
Ion Ratio Lower Upper
41 100
39 55.5 45.6 68.4
67 89.3 67.7 101.5
52 34.4 26.6 40.0

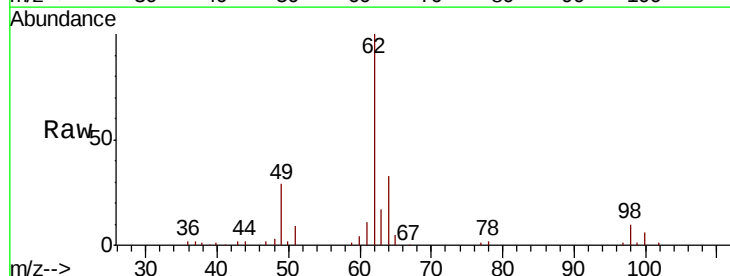


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

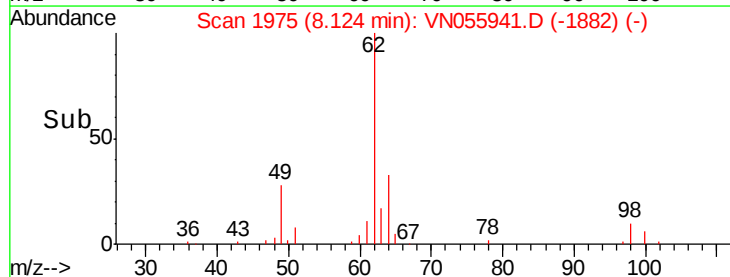
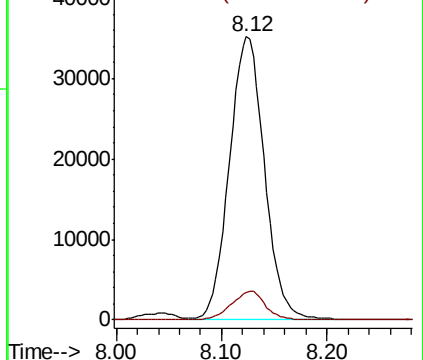


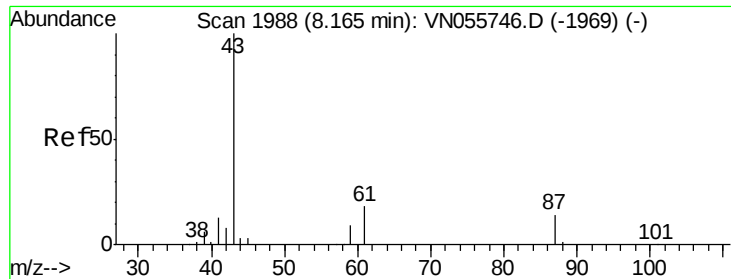
#42
1,2-Dichloroethane
Concen: 21.115 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion: 62 Resp: 81318
Ion Ratio Lower Upper
62 100
98 9.7 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.263 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

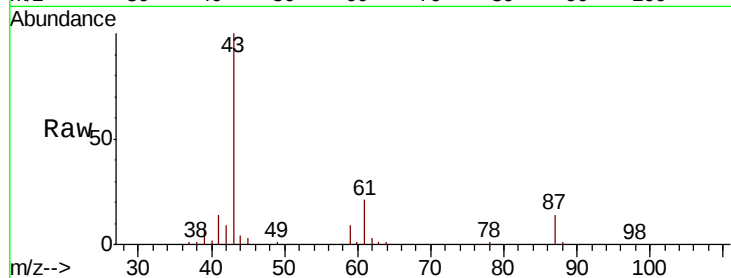
Tot Ion: 43 Resp: 122327

Ion Ratio Lower Upper

43 100

61 22.2 22.2 33.4#

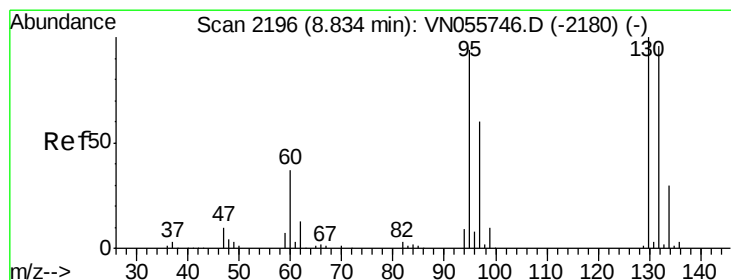
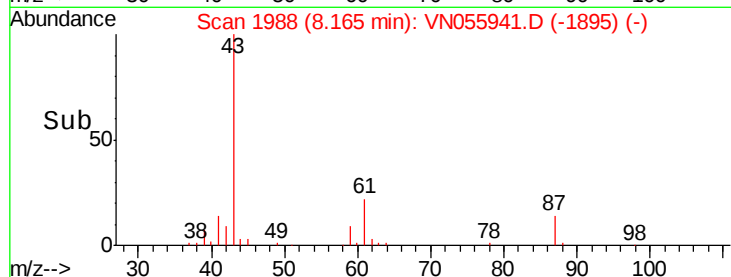
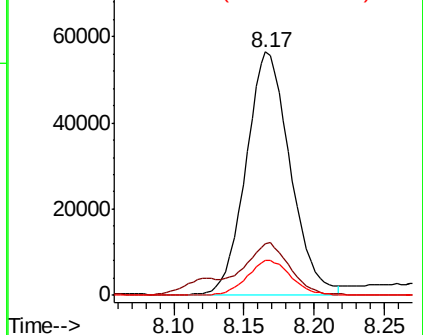
87 14.5 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)



#44

Trichloroethene

Concen: 20.107 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055941.D

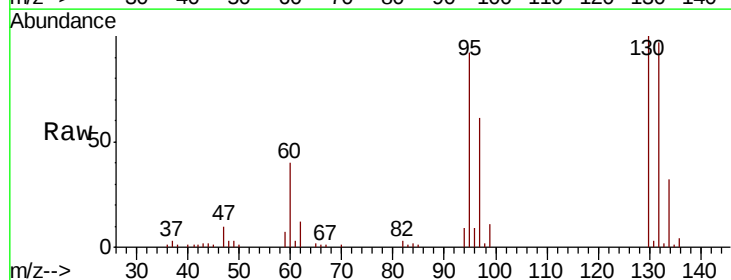
Acq: 1 Jun 2019 2:01

Tgt Ion:130 Resp: 66066

Ion Ratio Lower Upper

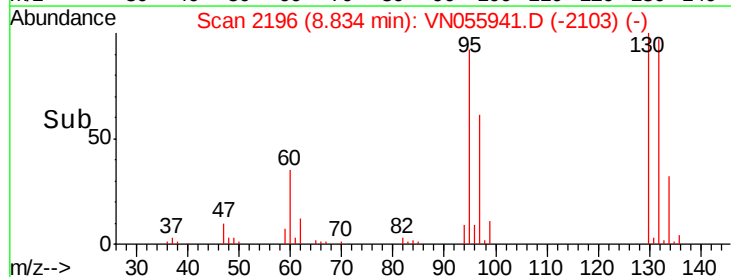
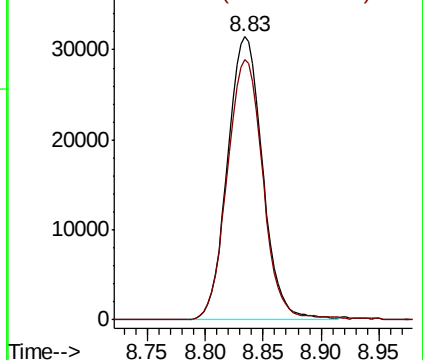
130 100

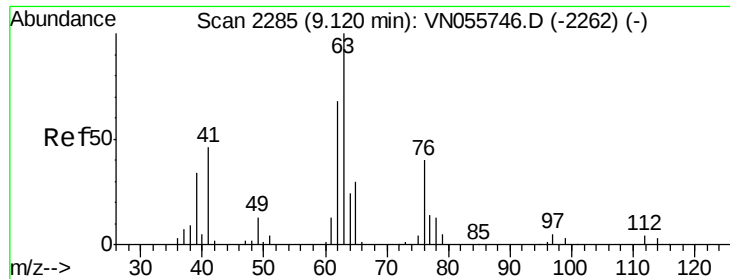
95 92.0 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 20.741 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

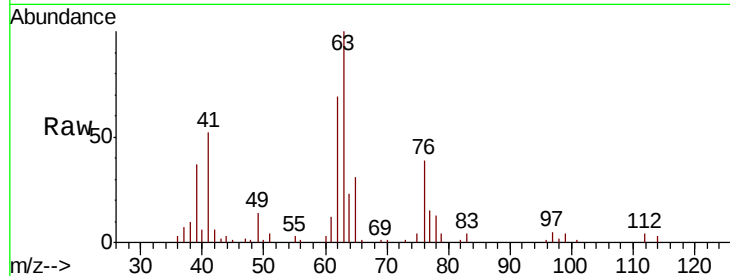
VN0531WBSD02

Tot Ion: 63 Resp: 63689

Ion Ratio Lower Upper

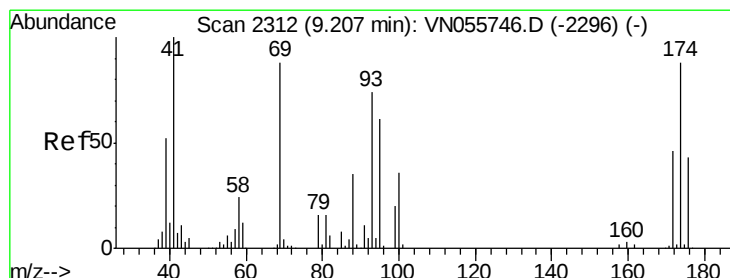
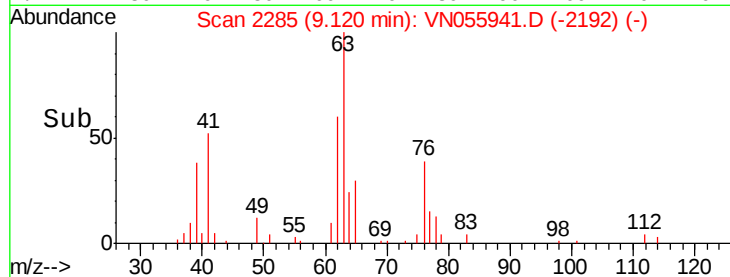
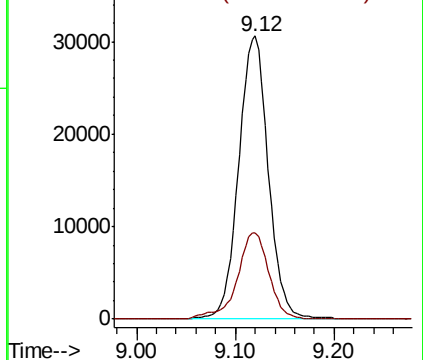
63 100

65 30.6 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.865 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

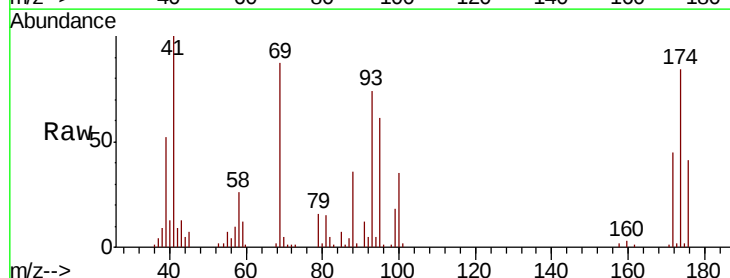
Tgt Ion: 93 Resp: 42018

Ion Ratio Lower Upper

93 100

95 83.8 66.7 100.1

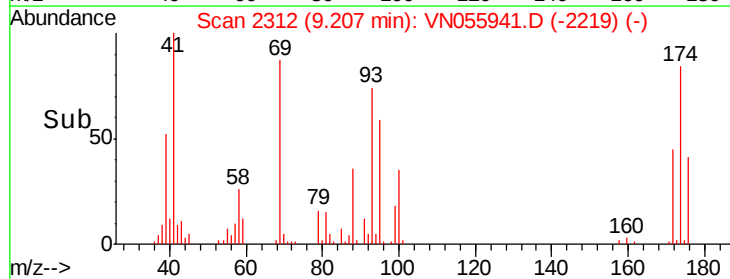
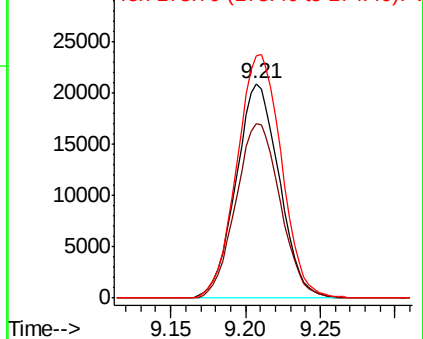
174 117.3 96.4 144.6

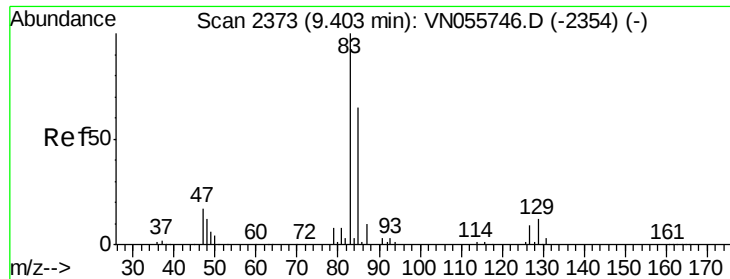


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.573 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

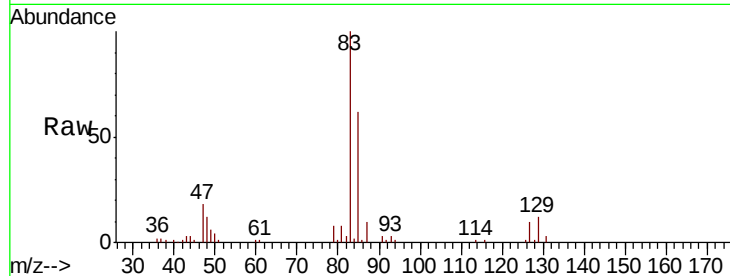
Tot Ion: 83 Resp: 76696

Ion Ratio Lower Upper

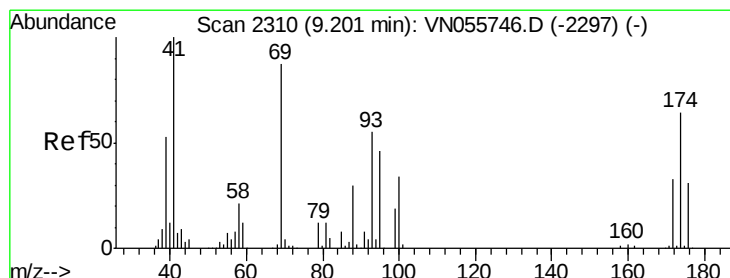
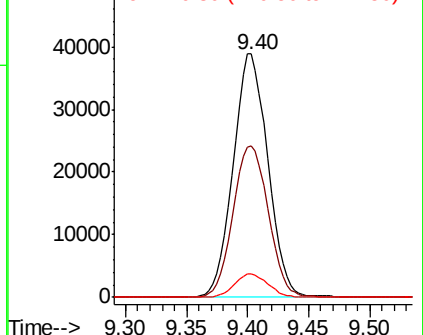
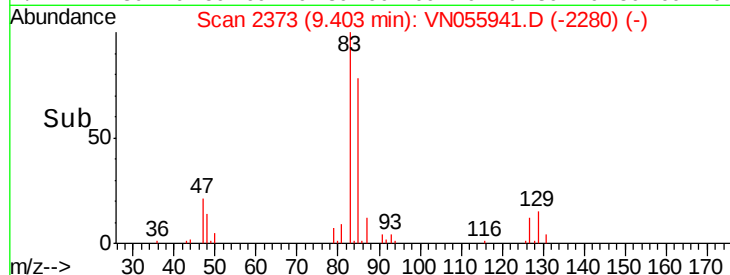
83 100

85 62.4 52.2 78.2

127 9.5 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055941.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.694 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

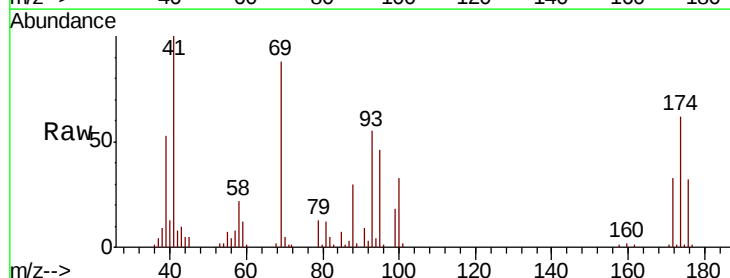
Tgt Ion: 41 Resp: 60568

Ion Ratio Lower Upper

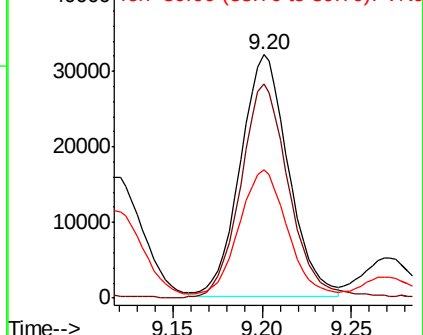
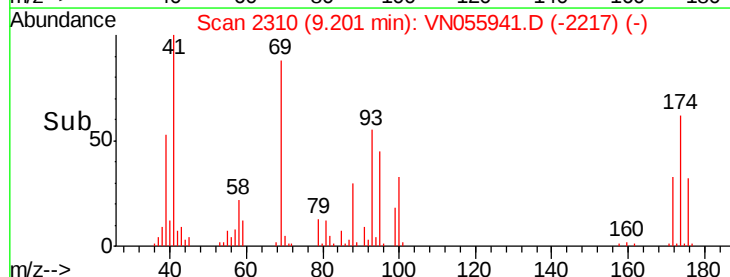
41 100

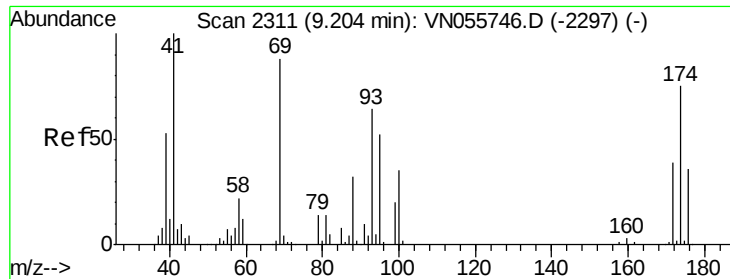
69 89.8 71.0 106.6

39 54.4 44.2 66.2



Abundance Ion 41.00 (40.70 to 41.70): VN055941.D (-2217) (-)





#49

1,4-Dioxane

Concen: 407.869 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

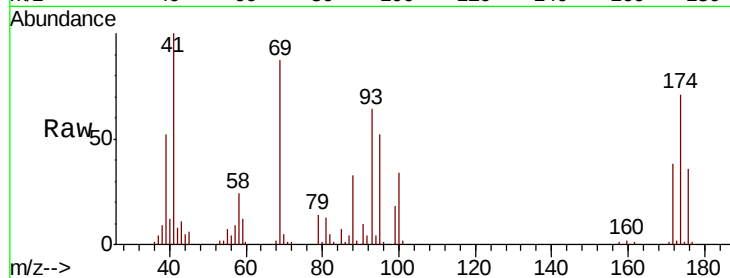
Tot Ion: 88 Resp: 24807

Ion Ratio Lower Upper

88 100

43 27.0 20.5 30.7

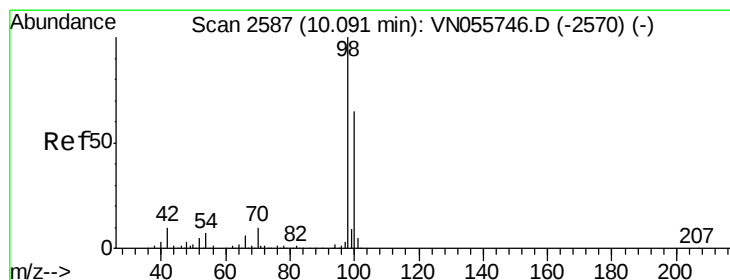
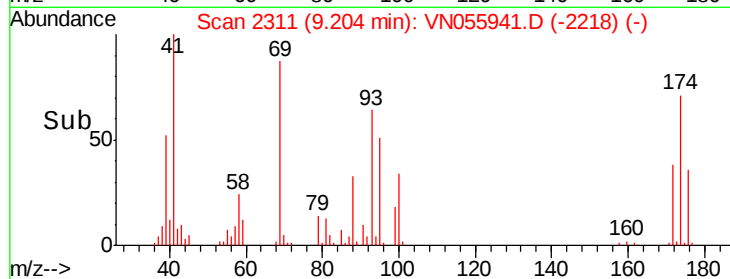
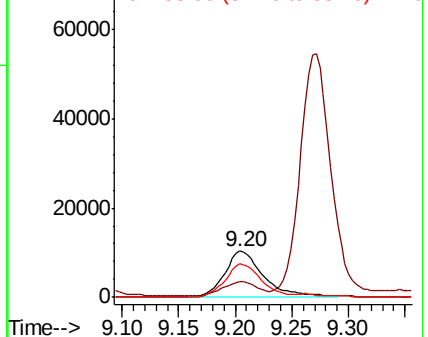
58 67.5 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.864 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055941.D

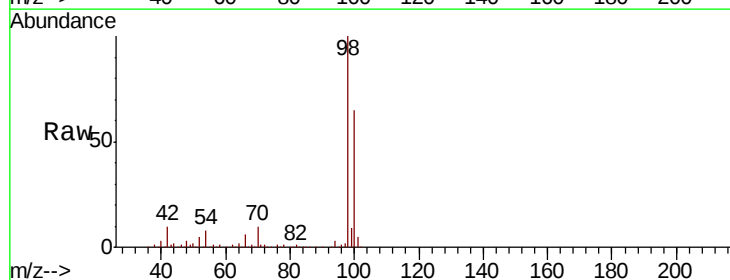
Acq: 1 Jun 2019 2:01

Tgt Ion: 98 Resp: 553548

Ion Ratio Lower Upper

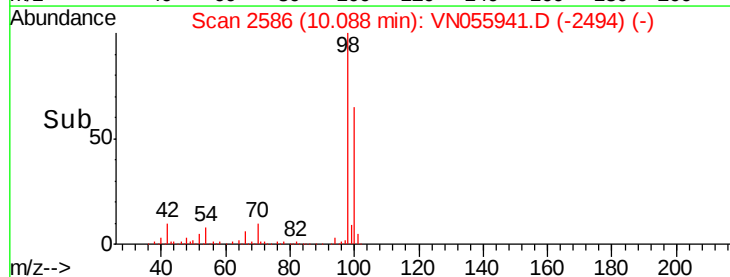
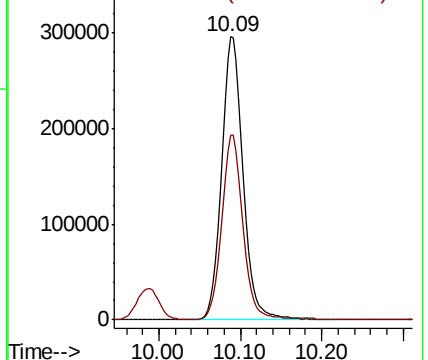
98 100

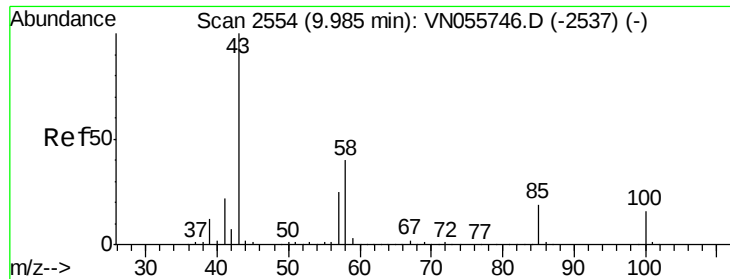
100 64.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 104.421 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

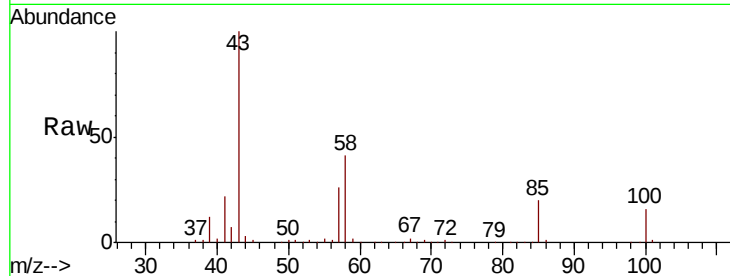
VN0531WBSD02

Tot Ion: 43 Resp: 391641

Ion Ratio Lower Upper

43 100

58 40.2 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

100000

50000

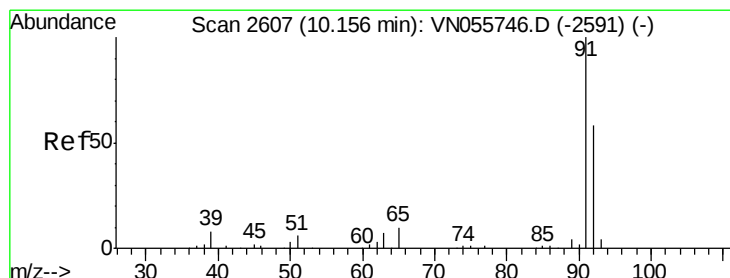
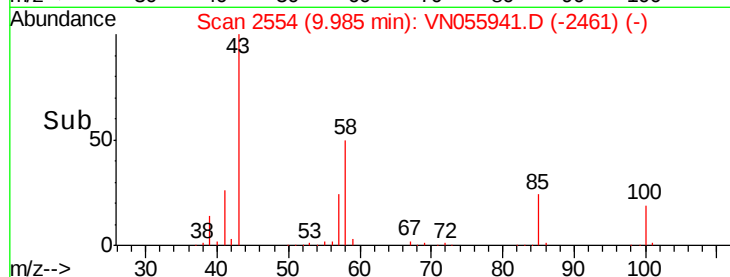
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 20.358 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055941.D

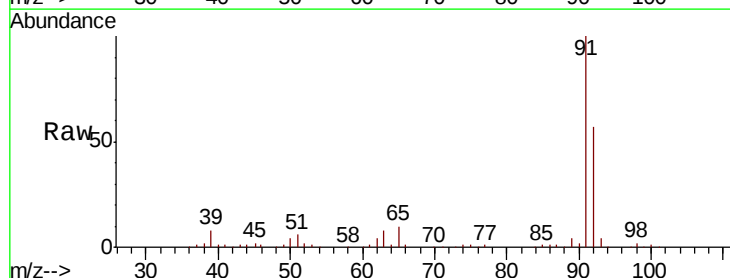
Acq: 1 Jun 2019 2:01

Tgt Ion: 92 Resp: 150905

Ion Ratio Lower Upper

92 100

91 175.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

50000

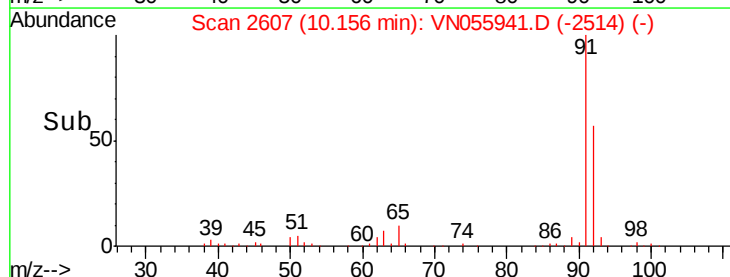
0

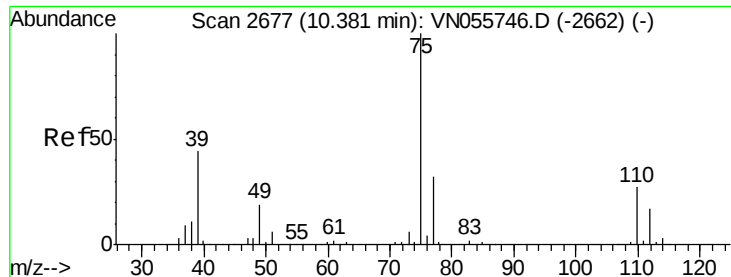
10.10

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.485 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

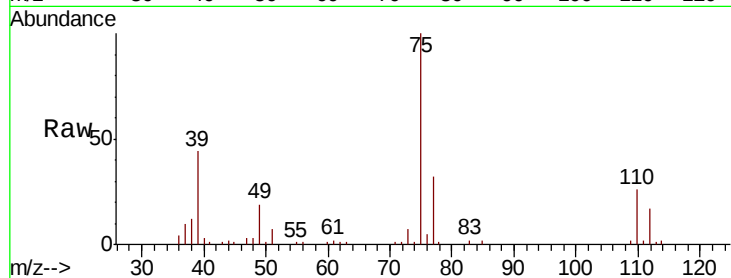
VN0531WBSD02

Tot Ion: 75 Resp: 72662

Ion Ratio Lower Upper

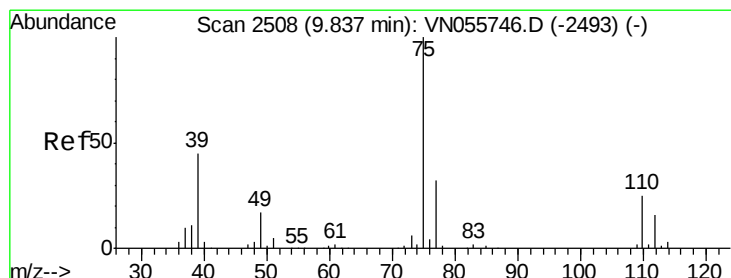
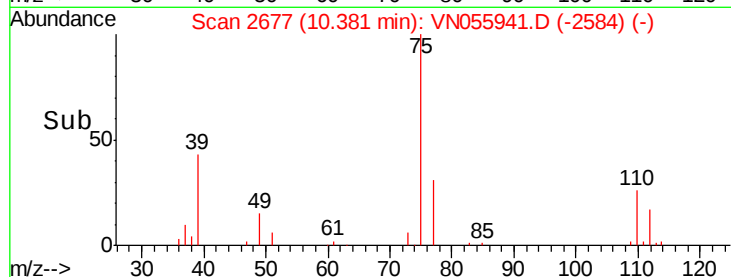
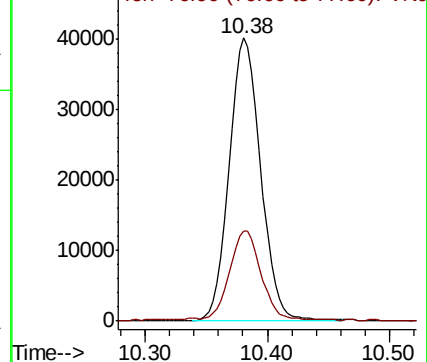
75 100

77 31.6 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 17.650 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

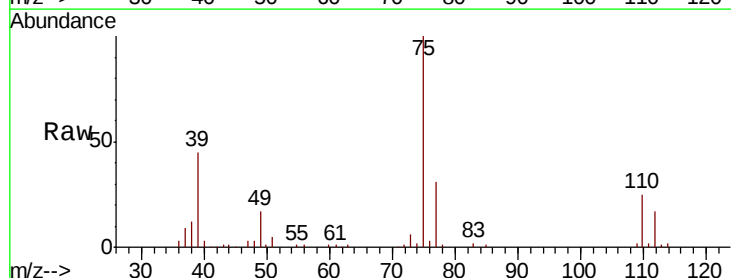
Tgt Ion: 75 Resp: 86188

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

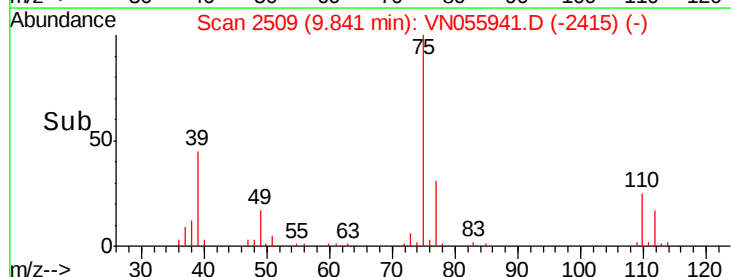
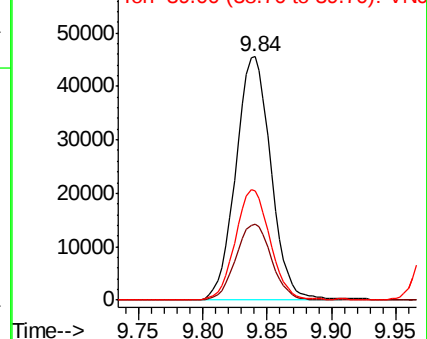
39 45.0 36.3 54.5

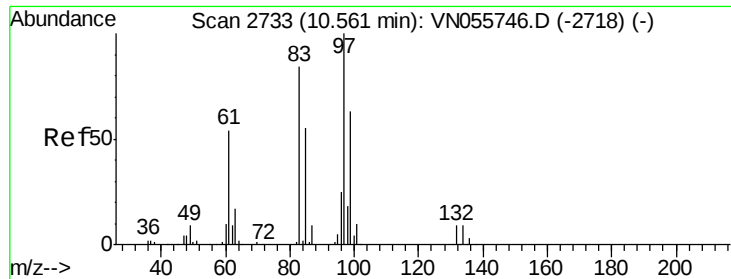


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 21.181 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

Tot Ion: 97 Resp: 62899

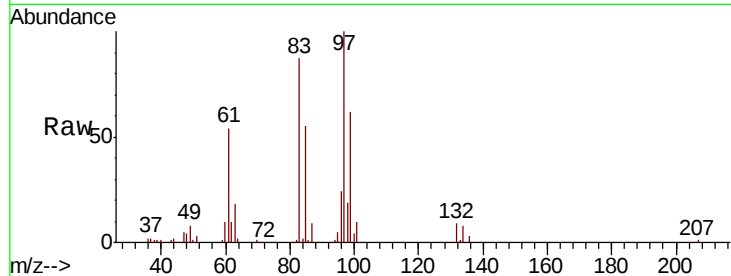
Ion Ratio Lower Upper

97 100

83 86.7 67.0 100.6

85 54.7 44.0 66.0

99 62.0 50.6 75.8

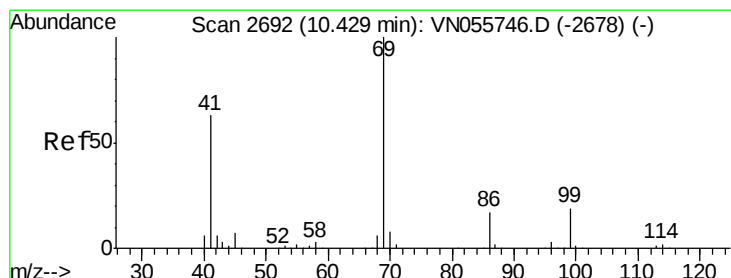
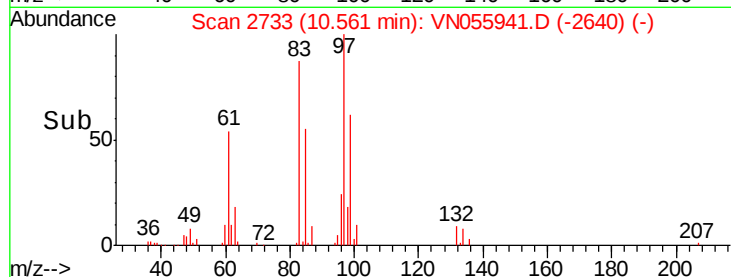
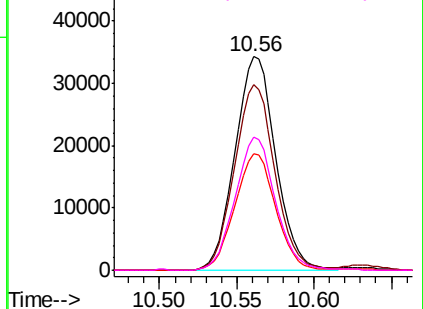


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.695 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

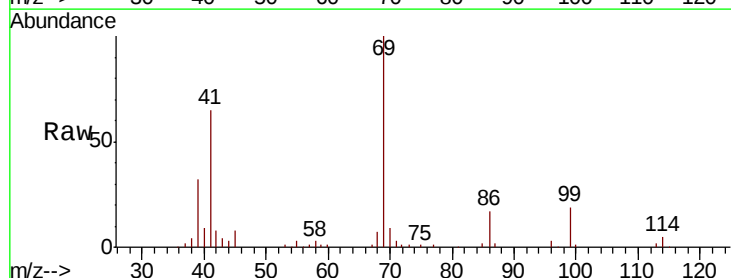
Tgt Ion: 69 Resp: 90389

Ion Ratio Lower Upper

69 100

41 63.8 49.7 74.5

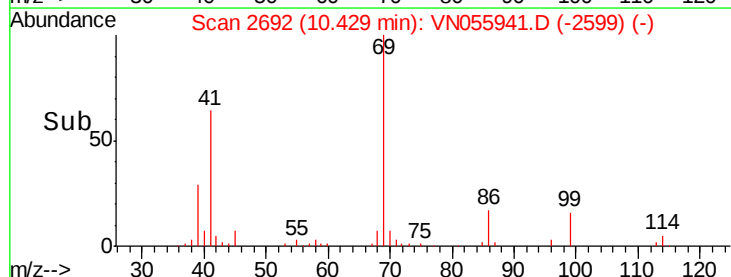
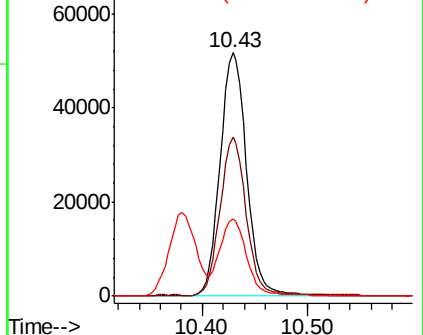
39 31.2 24.7 37.1

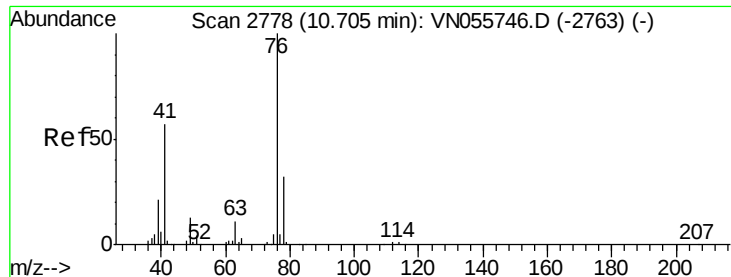


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.052 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

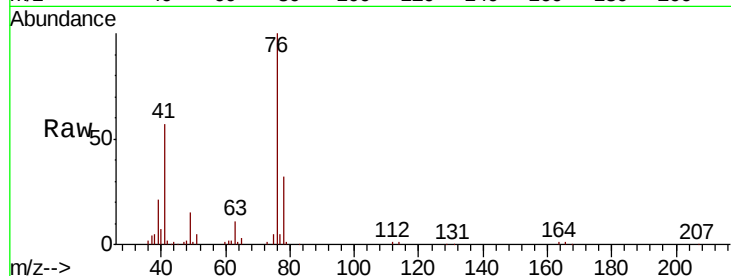
VN0531WBSD02

Tot Ion: 76 Resp: 101615

Ion Ratio Lower Upper

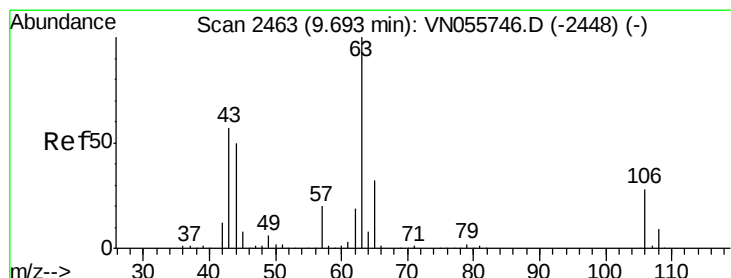
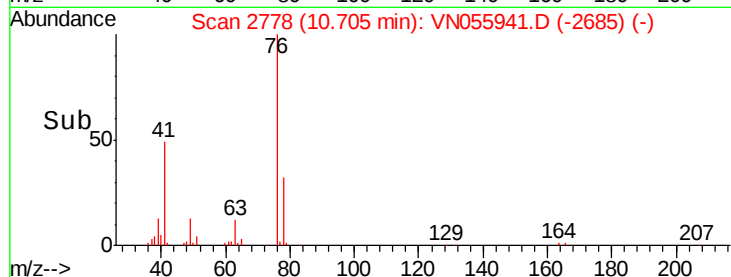
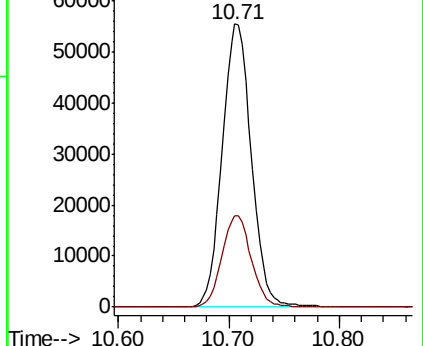
76 100

78 32.6 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 84.704 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055941.D

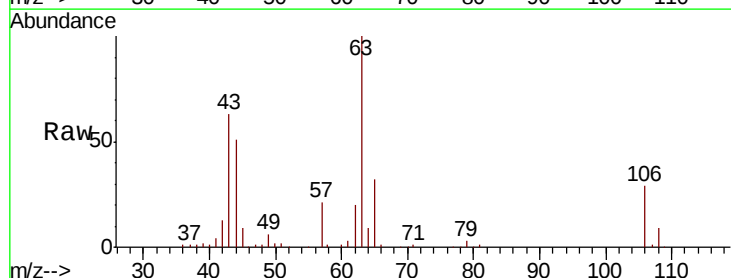
Acq: 1 Jun 2019 2:01

Tgt Ion: 63 Resp: 148559

Ion Ratio Lower Upper

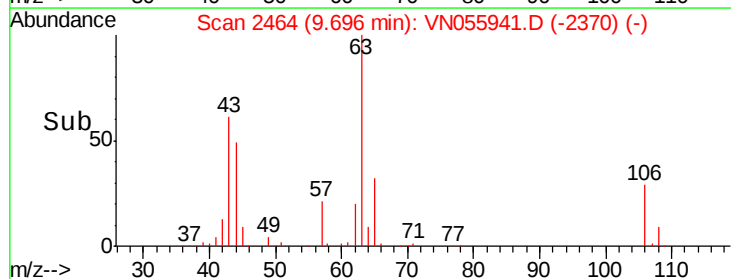
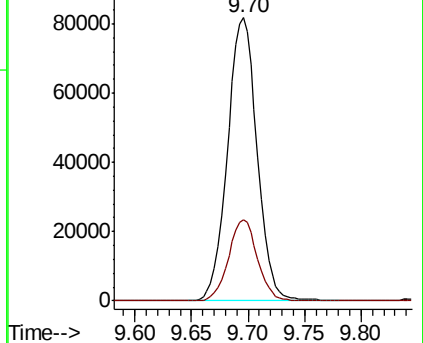
63 100

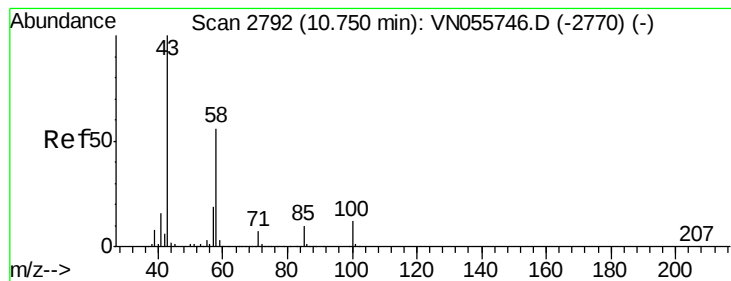
106 27.9 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 101.074 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

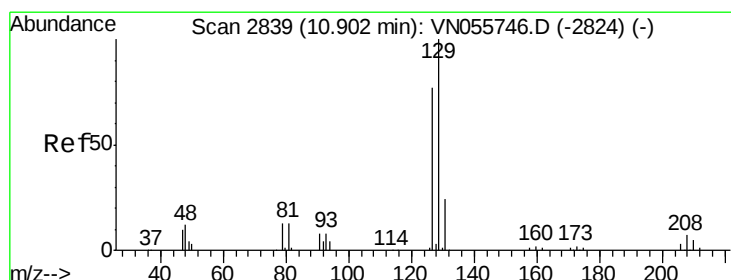
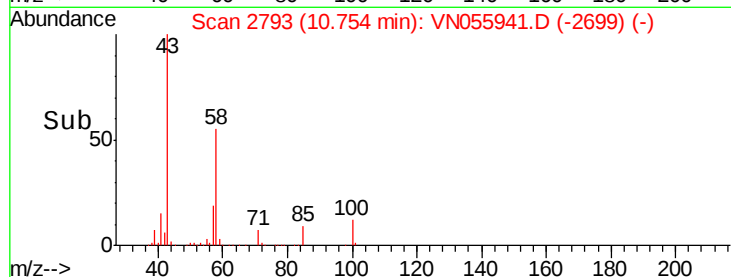
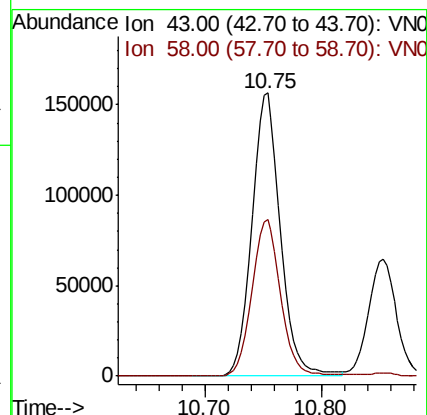
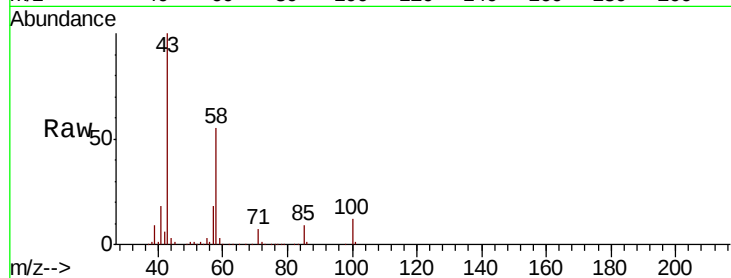
VN0531WBSD02

Tot Ion: 43 Resp: 268927

Ion Ratio Lower Upper

43 100

58 55.9 28.2 84.7



#60

Dibromochloromethane

Concen: 17.099 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055941.D

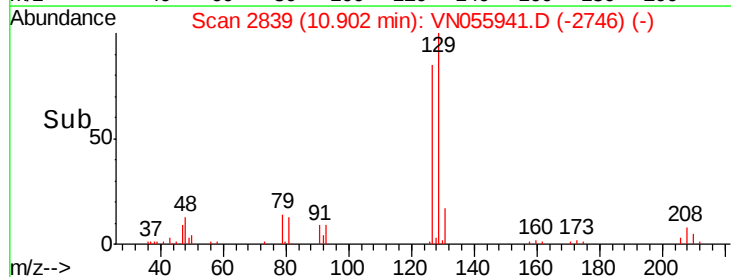
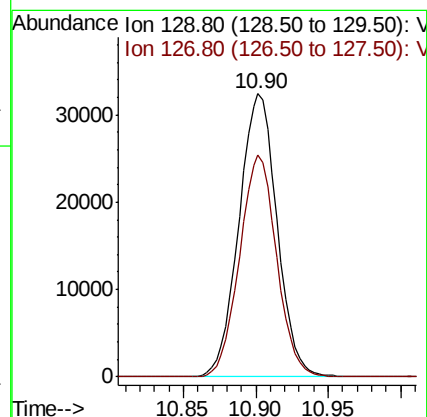
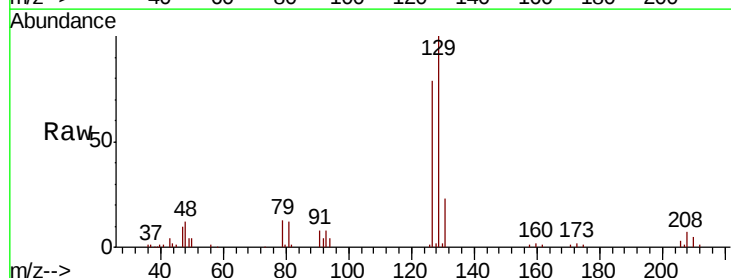
Acq: 1 Jun 2019 2:01

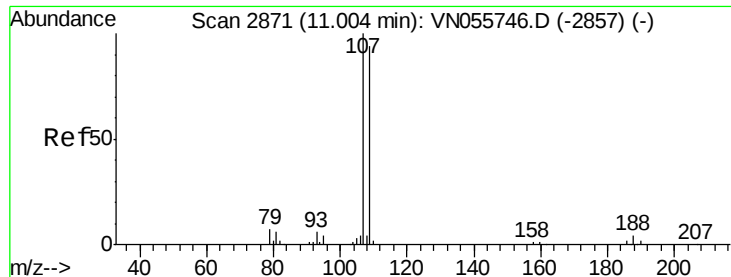
Tgt Ion: 129 Resp: 59153

Ion Ratio Lower Upper

129 100

127 76.2 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.733 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

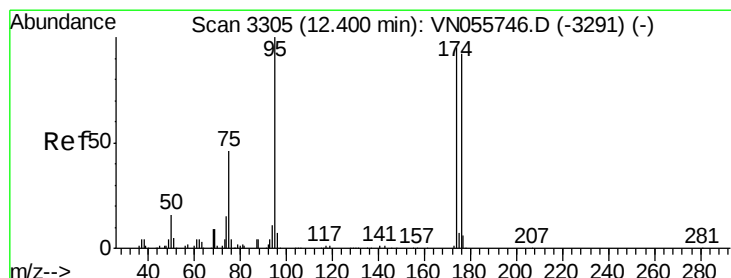
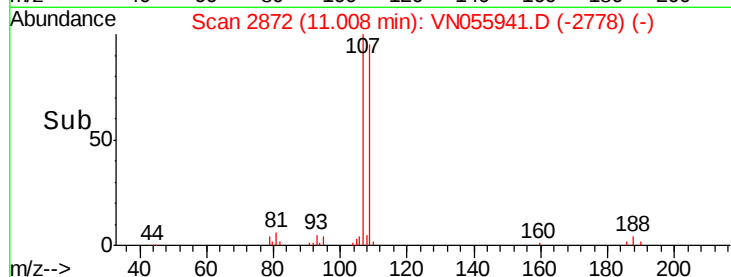
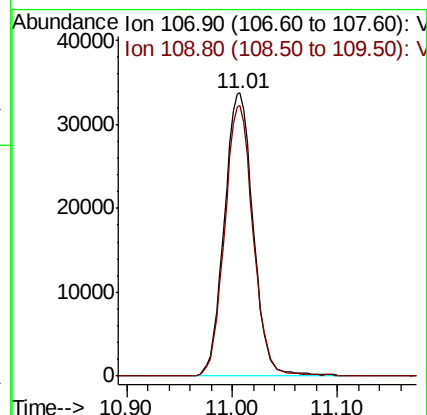
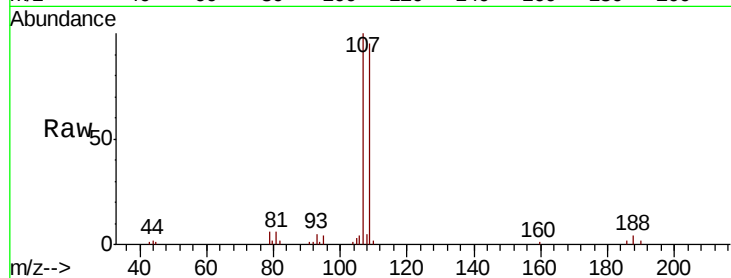
VN0531WBSD02

Tot Ion:107 Resp: 63860

Ion Ratio Lower Upper

107 100

109 94.2 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 47.670 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

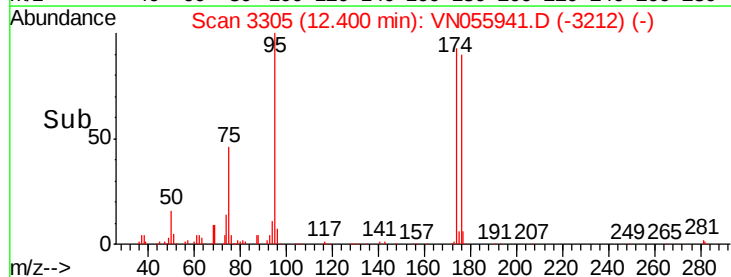
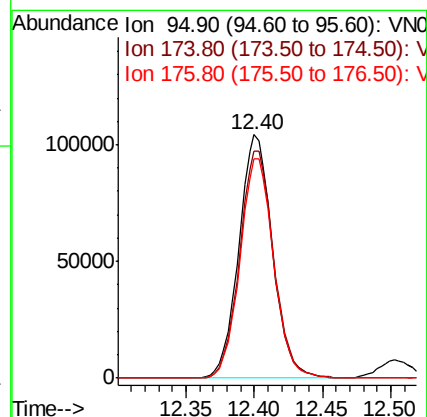
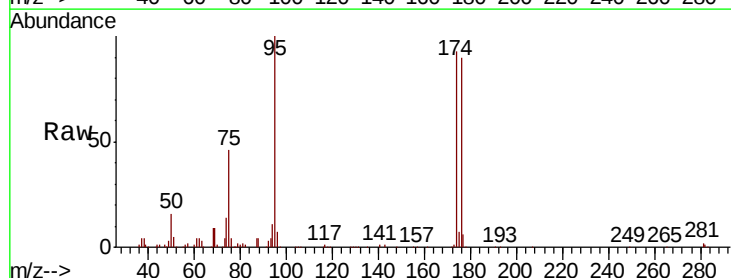
Tgt Ion: 95 Resp: 177889

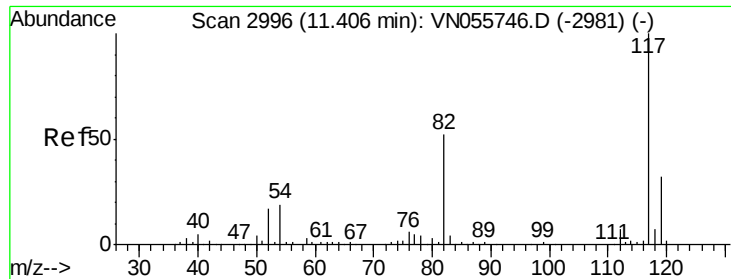
Ion Ratio Lower Upper

95 100

174 94.7 0.0 191.0

176 90.6 0.0 185.2

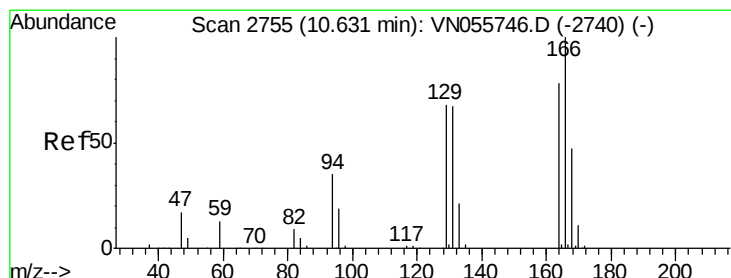
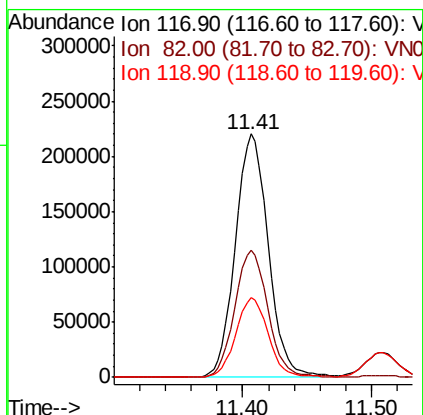
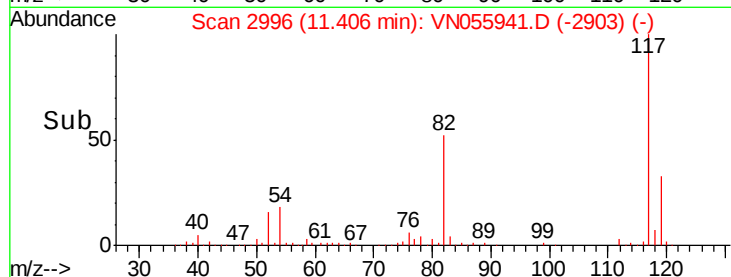
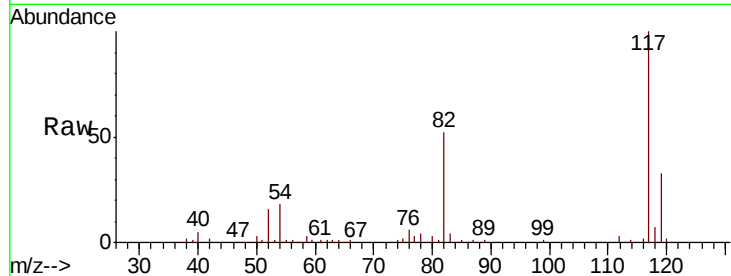




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

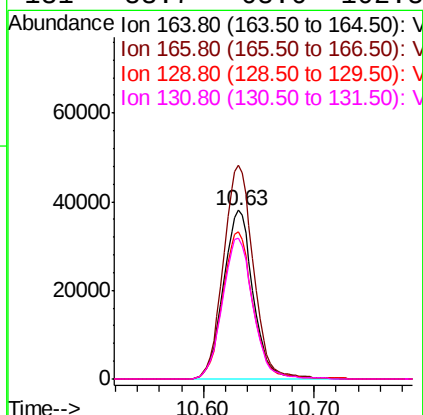
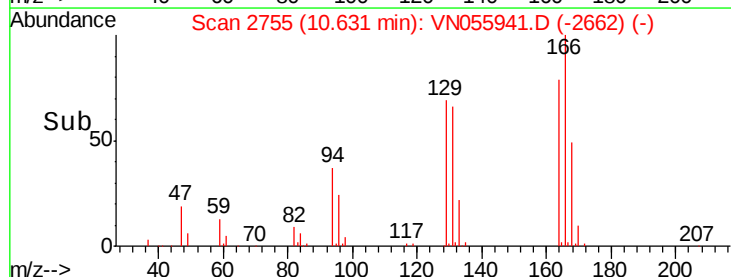
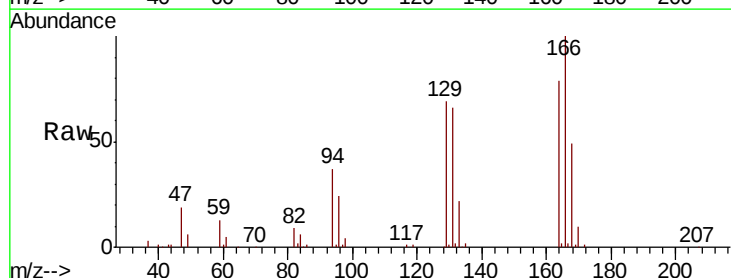
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

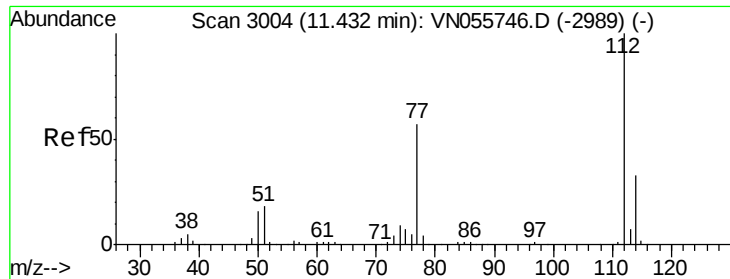
Tot Ion:117 Resp: 392206
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.8
119 32.5 25.4 38.0



#64
Tetrachloroethene
Concen: 21.506 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion:164 Resp: 71141
Ion Ratio Lower Upper
164 100
166 126.8 103.0 154.6
129 87.0 70.6 105.8
131 83.7 68.6 102.8

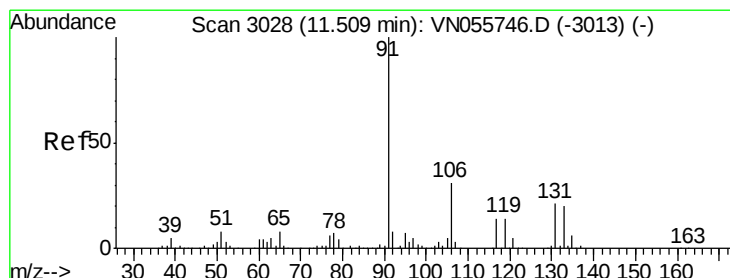
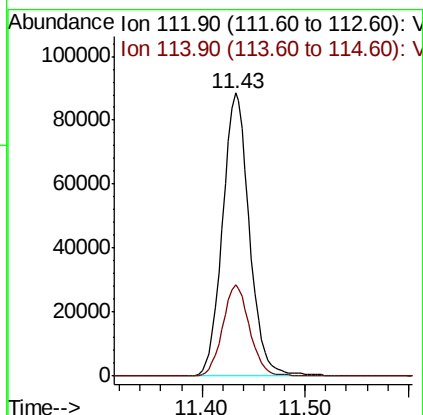
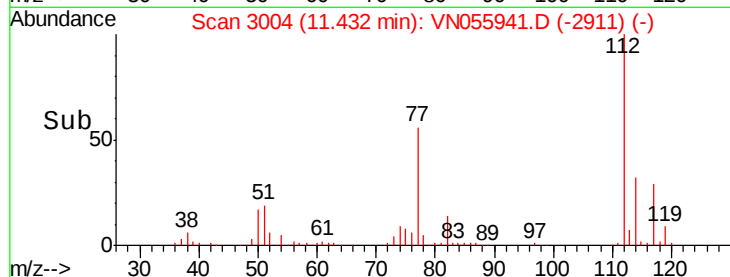
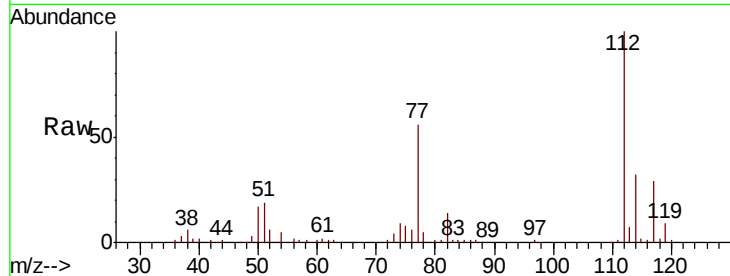




#65
Chlorobenzene
Concen: 20.460 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

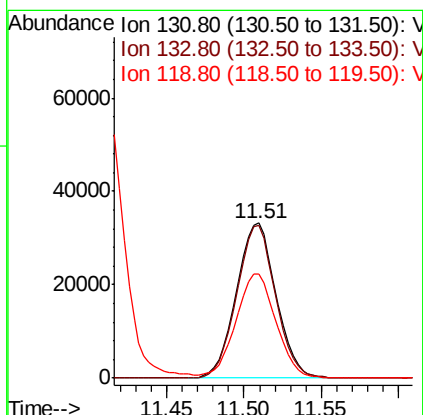
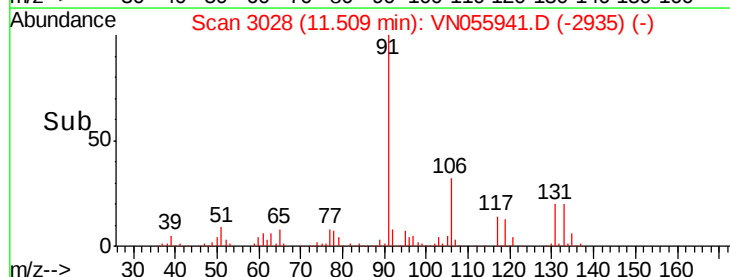
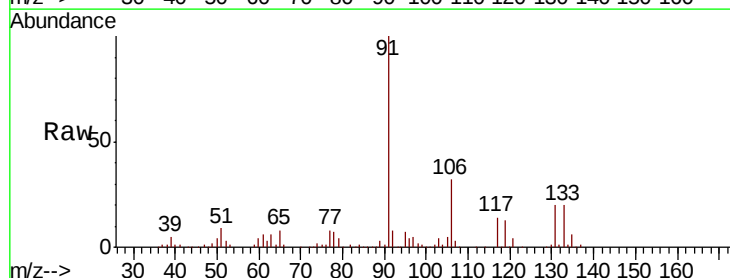
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

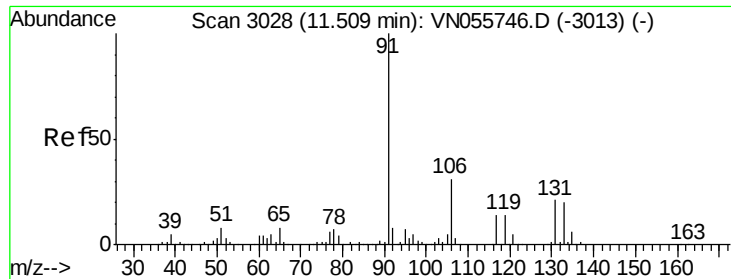
Tot Ion:112 Resp: 160645
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 18.887 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion:131 Resp: 59143
Ion Ratio Lower Upper
131 100
133 96.4 48.0 144.0
119 68.1 33.1 99.5

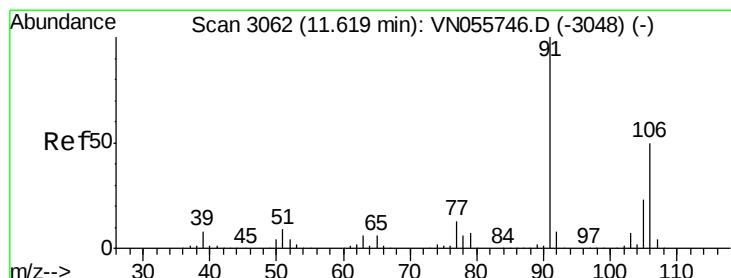
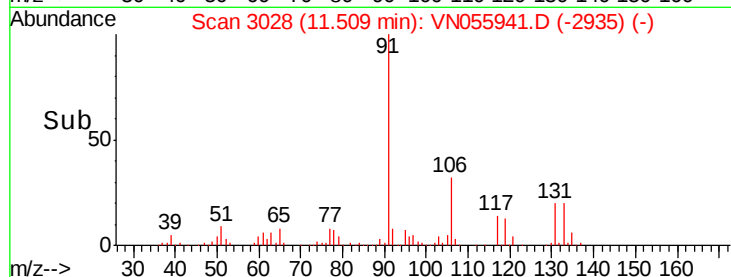
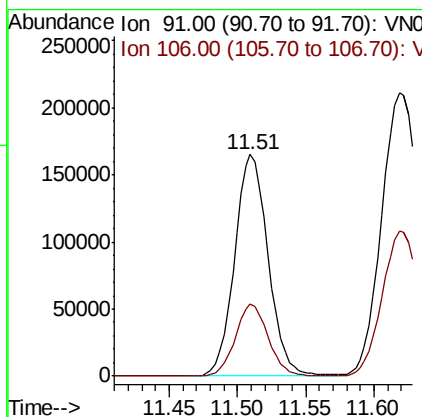
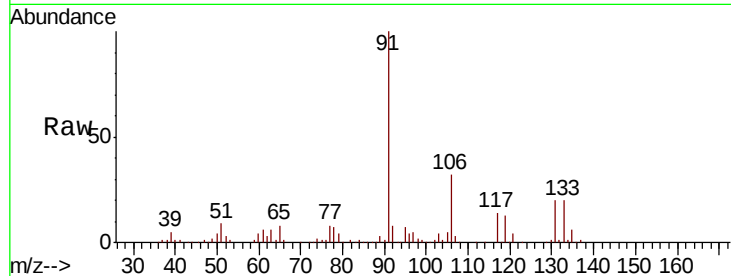




#67
Ethyl Benzene
Concen: 20.031 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

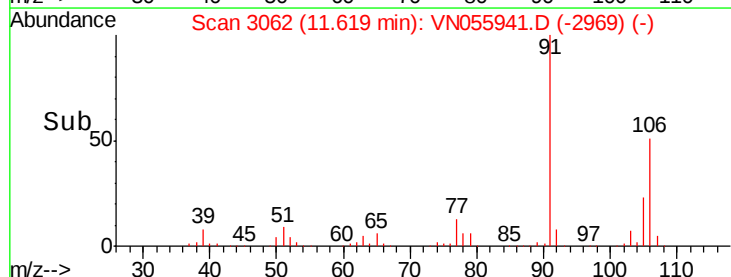
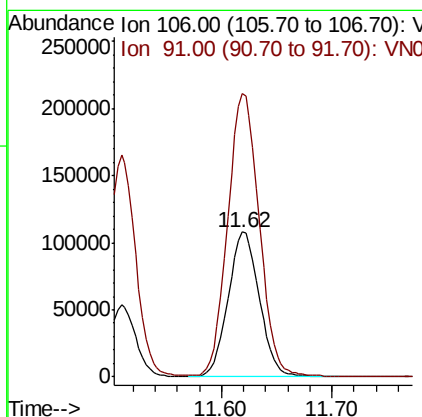
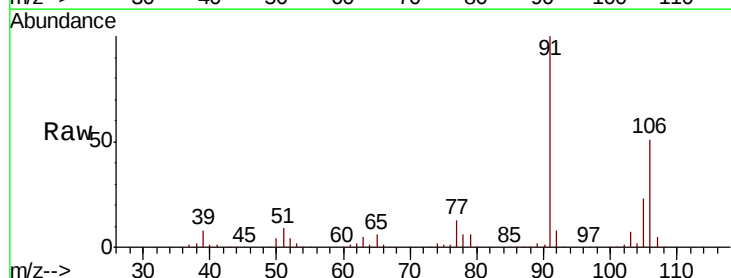
Instrument :
MSVOA_N
ClientSampled :
VN0531WBSD02

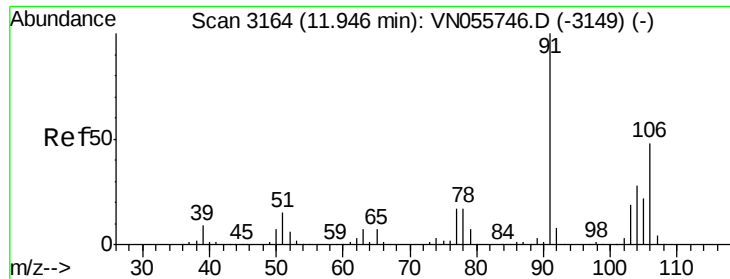
Tot Ion: 91 Resp: 282037
Ion Ratio Lower Upper
91 100
106 32.4 25.1 37.7



#68
m/p-Xylenes
Concen: 39.940 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion: 106 Resp: 212599
Ion Ratio Lower Upper
106 100
91 198.0 159.3 238.9

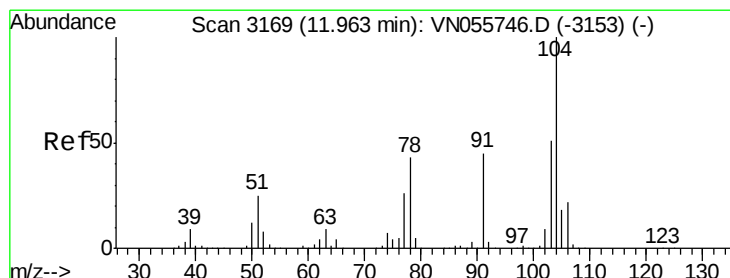
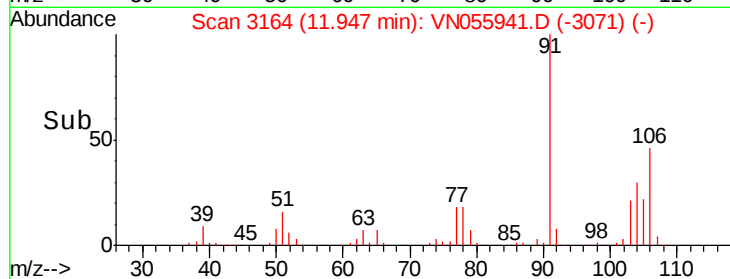
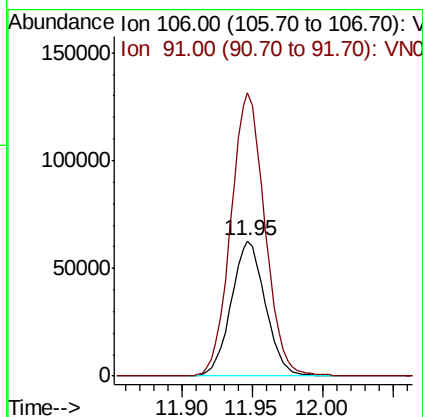
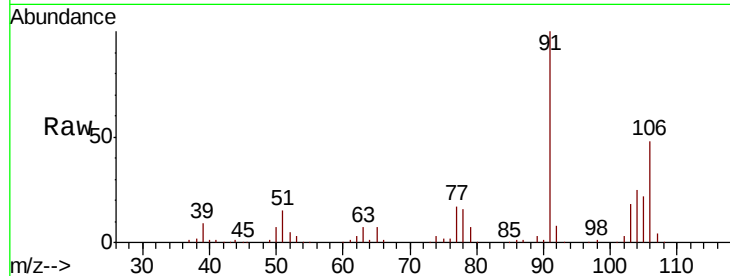




#69
o-Xylene
Concen: 20.081 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

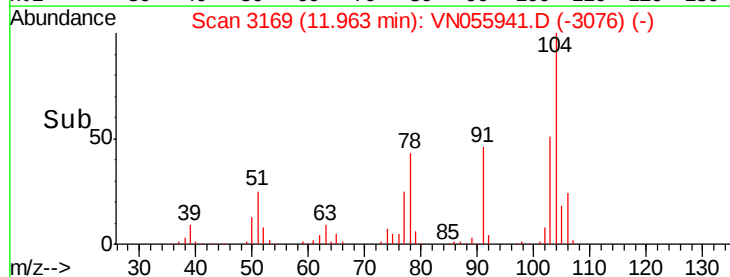
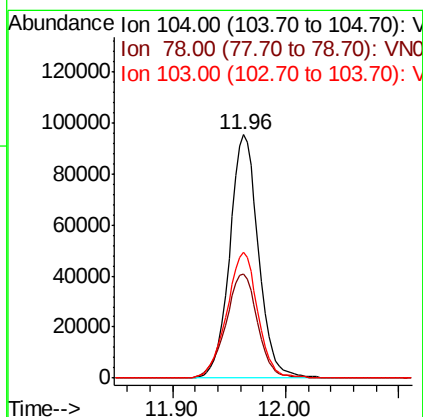
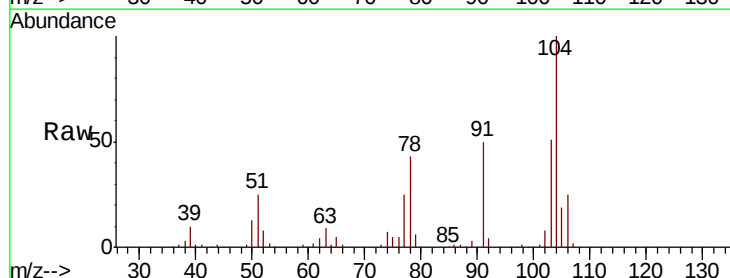
Instrument :
MSVOA_N
ClientSampled :
VN0531WBSD02

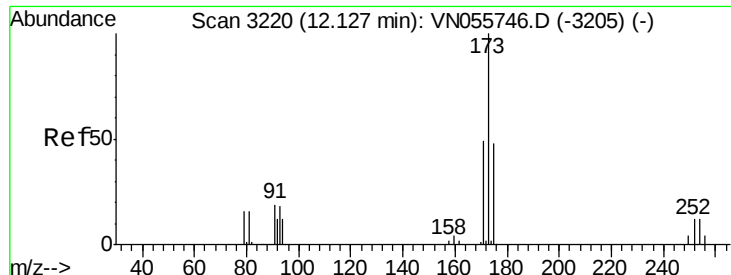
Tot Ion:106 Resp: 106048
Ion Ratio Lower Upper
106 100
91 209.5 104.7 314.1



#70
Styrene
Concen: 19.677 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion:104 Resp: 168281
Ion Ratio Lower Upper
104 100
78 47.7 37.8 56.6
103 55.8 44.2 66.2

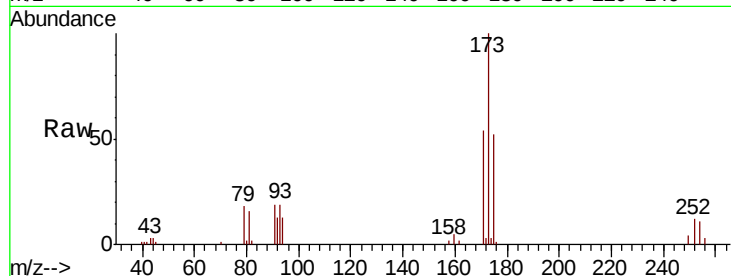




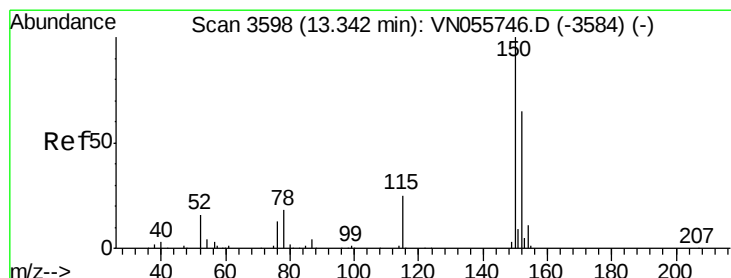
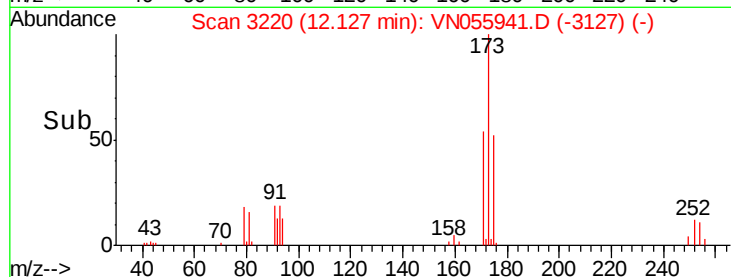
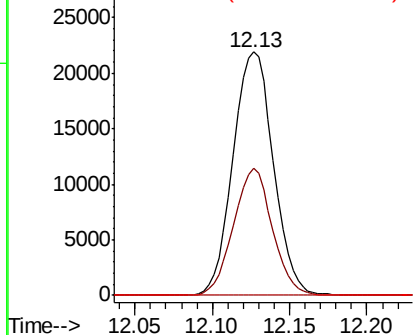
#71
Bromoform
Concen: 14.904 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

Tot Ion:173 Resp: 39808
Ion Ratio Lower Upper
173 100
175 49.9 24.3 72.8
254 0.0 0.0 0.0

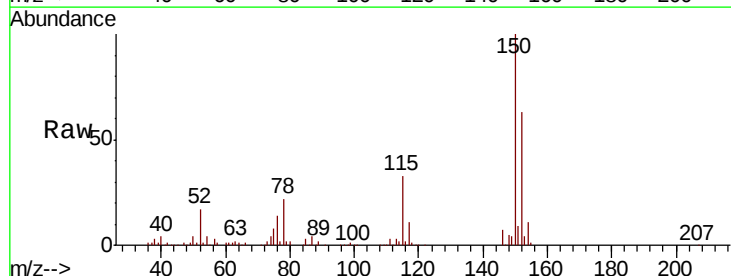


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

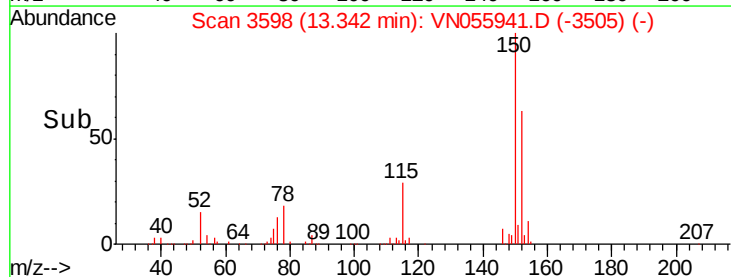
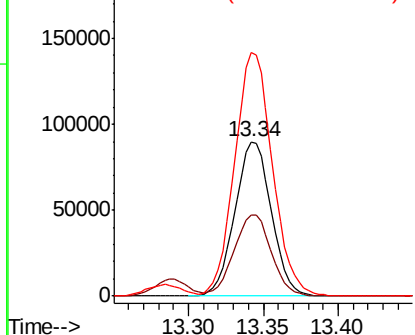


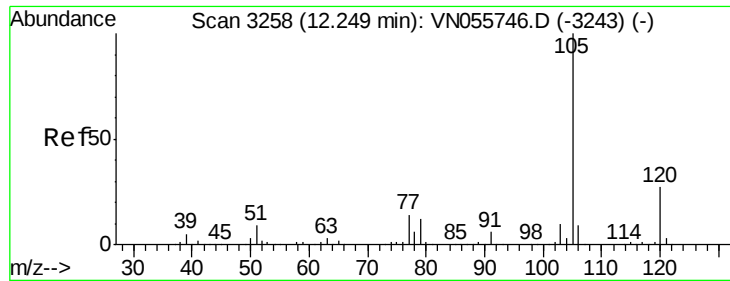
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion:152 Resp: 152075
Ion Ratio Lower Upper
152 100
115 53.9 27.0 81.0
150 164.4 0.0 343.2



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





#73

Isopropylbenzene

Concen: 24.416 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

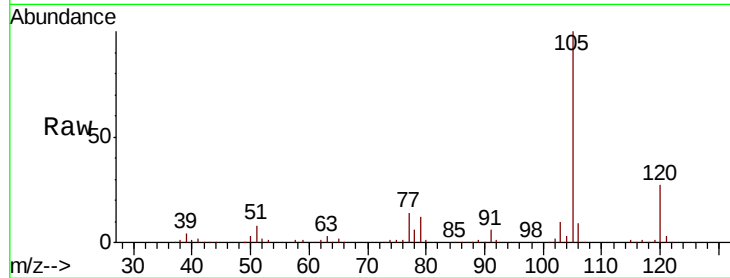
VN0531WBSD02

Tot Ion:105 Resp: 278890

Ion Ratio Lower Upper

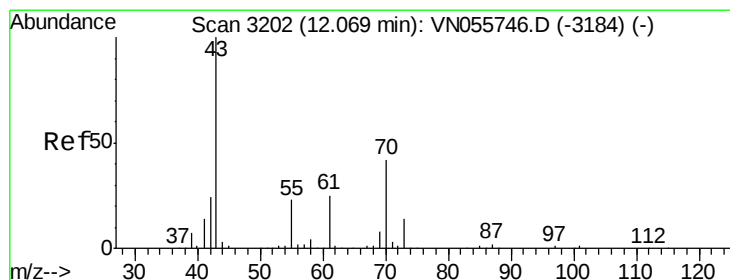
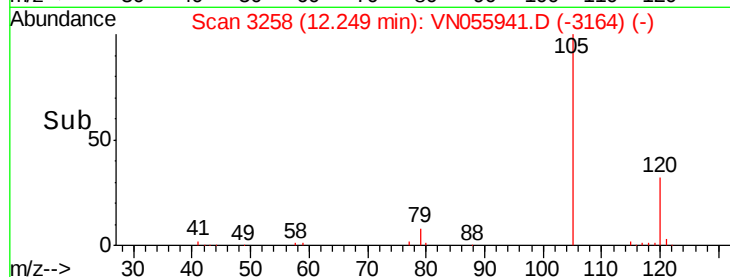
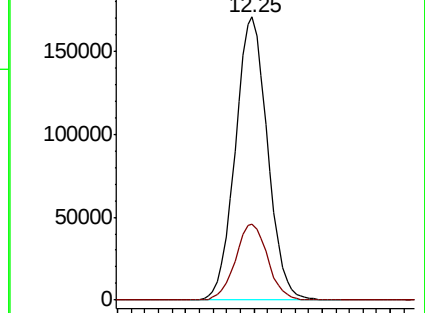
105 100

120 26.9 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.109 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Tgt Ion: 43 Resp: 96279

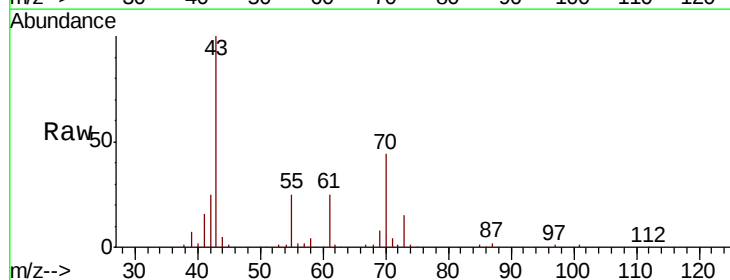
Ion Ratio Lower Upper

43 100

70 43.3 34.0 51.0

55 25.1 18.6 28.0

61 24.3 20.0 30.0

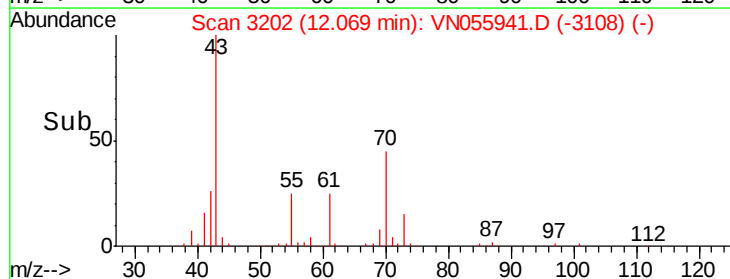
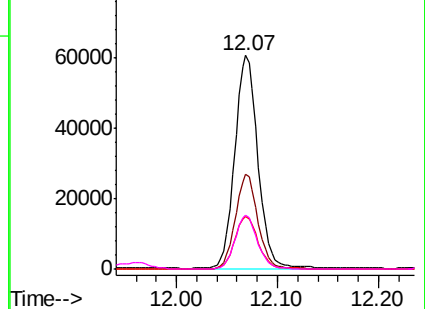


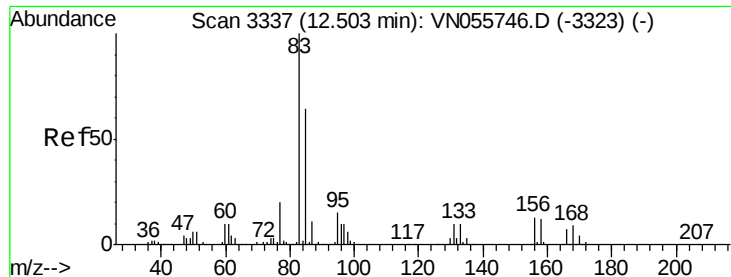
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.461 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

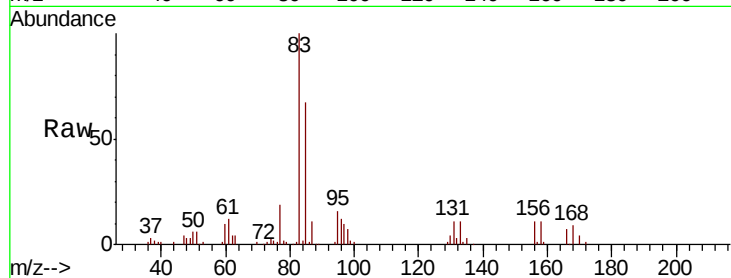
Tot Ion: 83 Resp: 83789

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

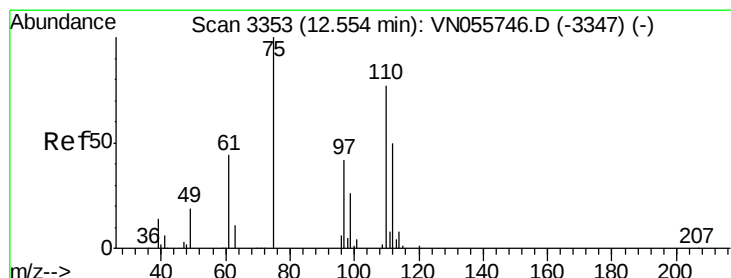
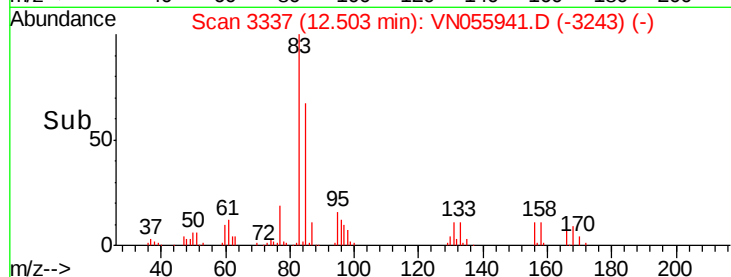
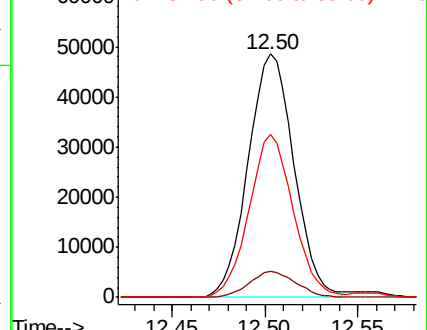
85 64.3 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 35.798 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055941.D

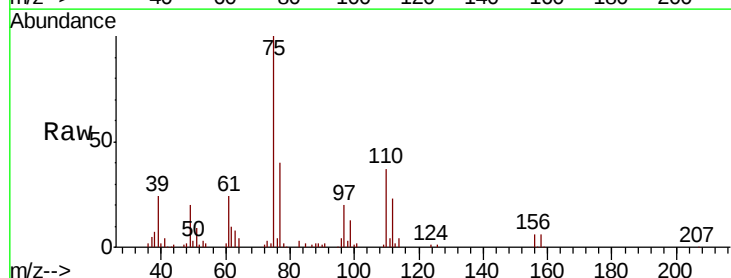
Acq: 1 Jun 2019 2:01

Tgt Ion: 75 Resp: 96082

Ion Ratio Lower Upper

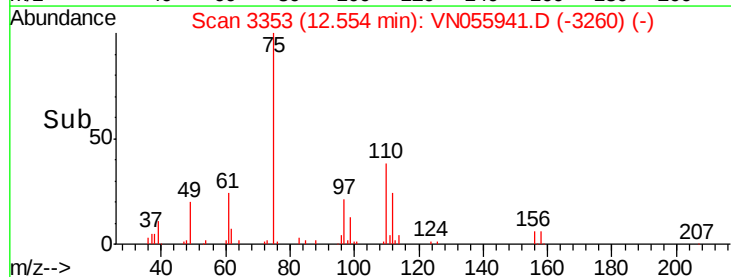
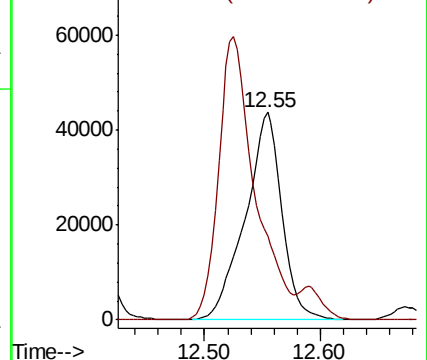
75 100

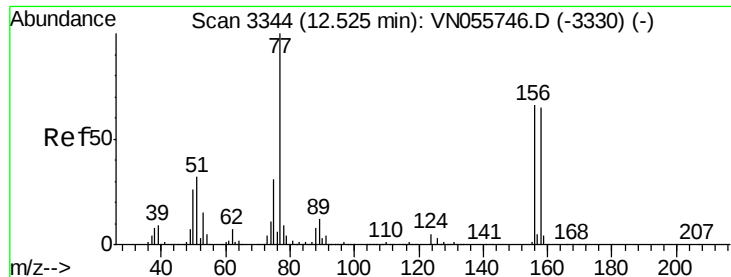
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 22.346 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

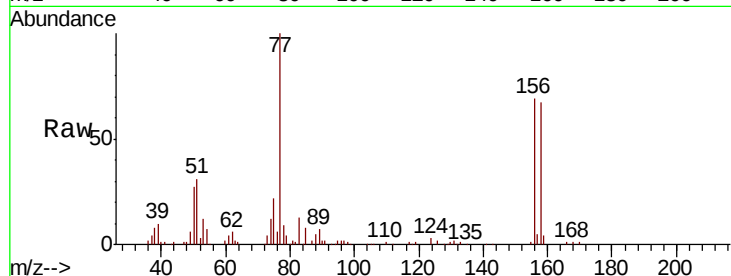
Tot Ion:156 Resp: 72515

Ion Ratio Lower Upper

156 100

77 178.8 90.8 272.5

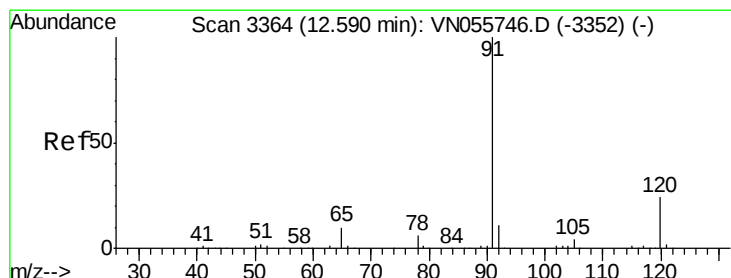
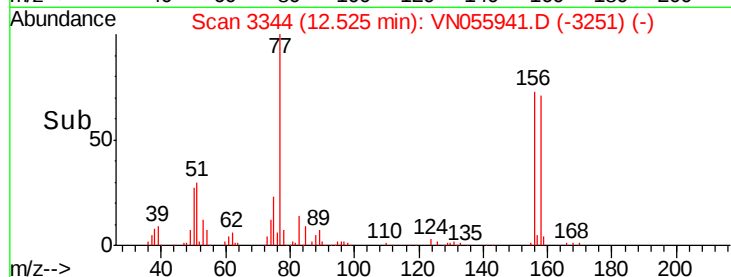
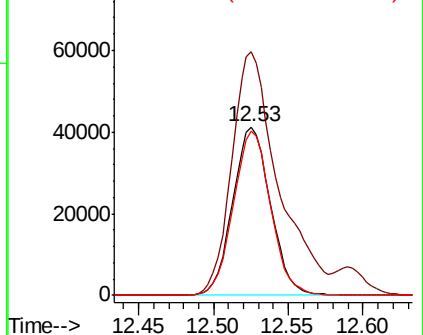
158 96.4 49.3 147.8



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: 21.465 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055941.D

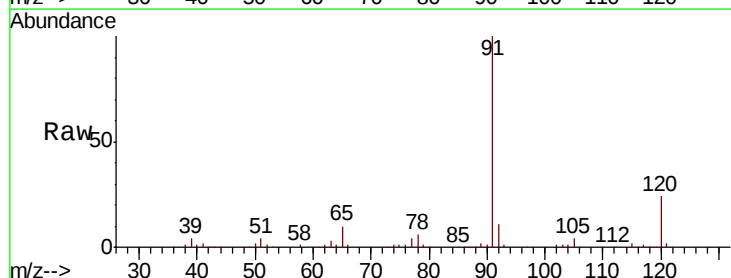
Acq: 1 Jun 2019 2:01

Tgt Ion: 91 Resp: 283709

Ion Ratio Lower Upper

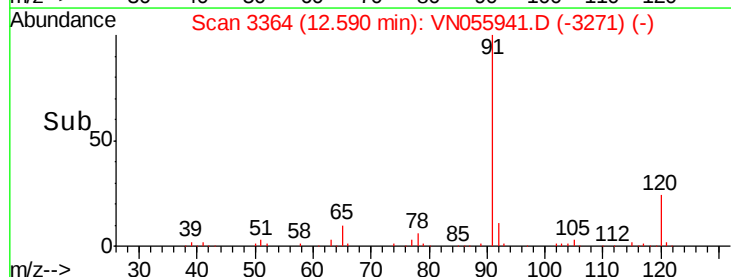
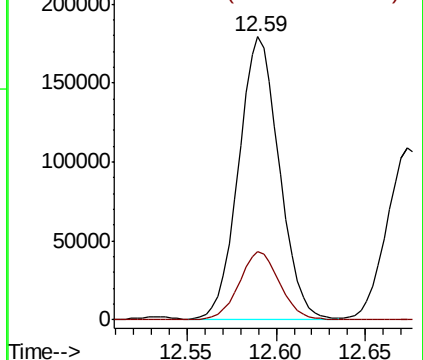
91 100

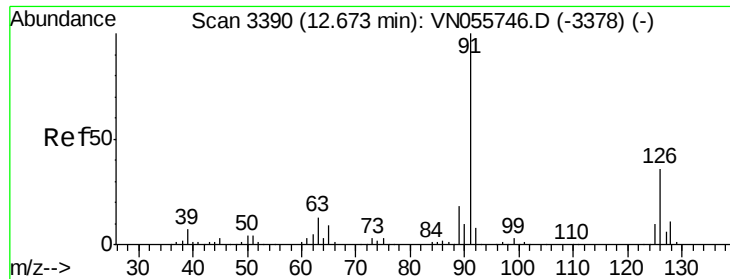
120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 24.070 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

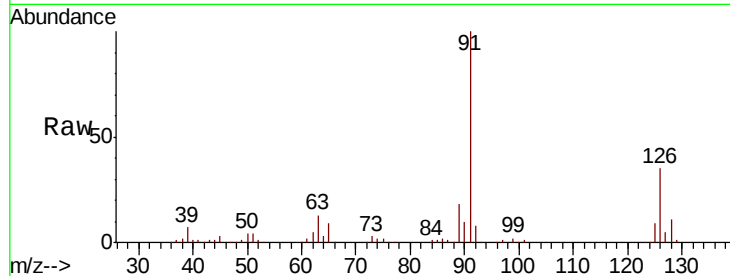
VN0531WBSD02

Tot Ion: 91 Resp: 180777

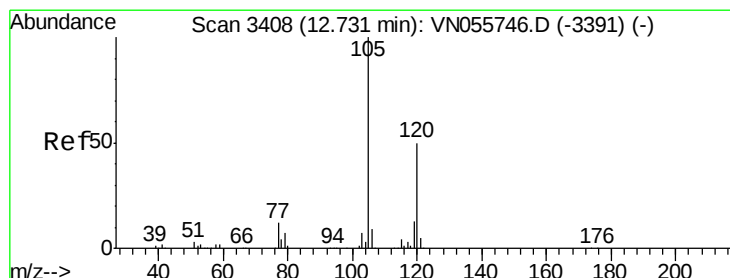
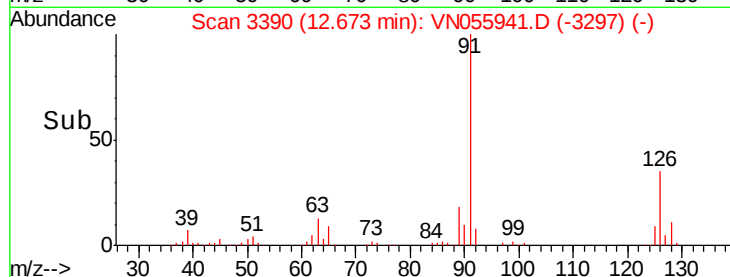
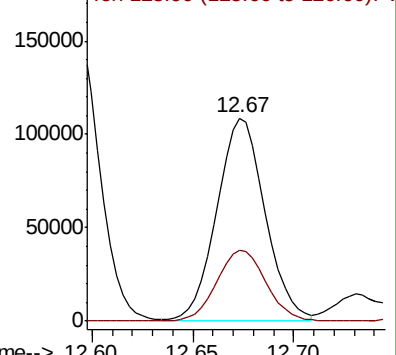
Ion Ratio Lower Upper

91 100

126 35.9 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055941.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.549 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055941.D

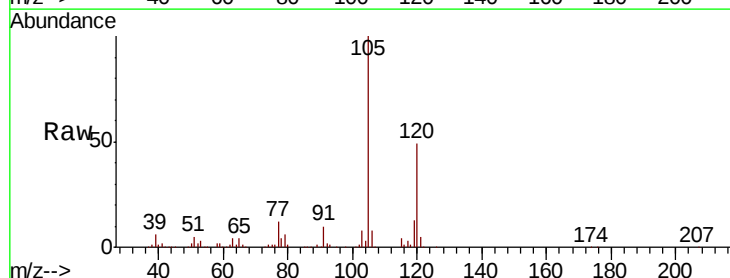
Acq: 1 Jun 2019 2:01

Tgt Ion:105 Resp: 226761

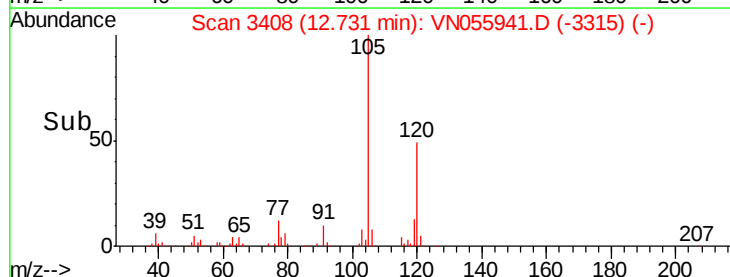
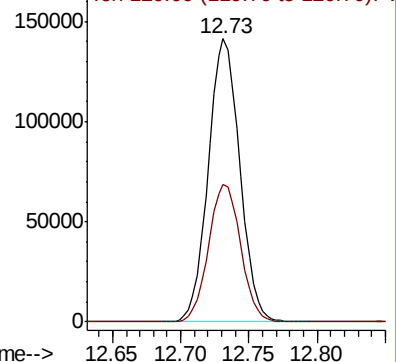
Ion Ratio Lower Upper

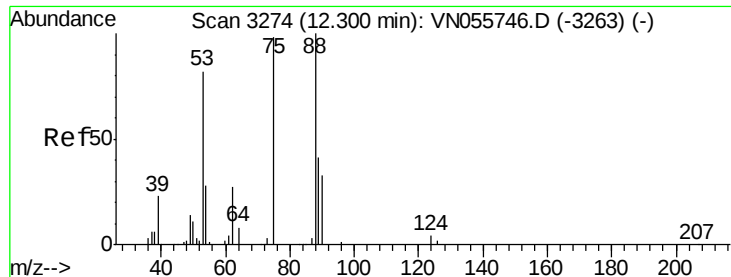
105 100

120 49.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055941.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 14.590 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

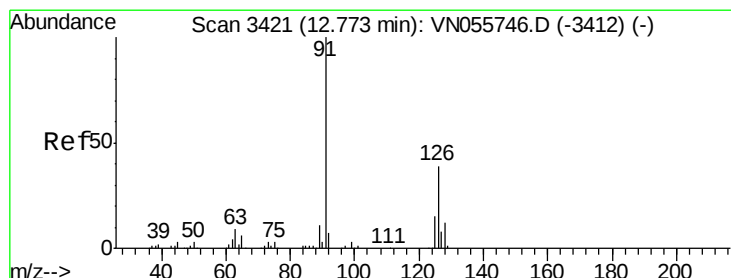
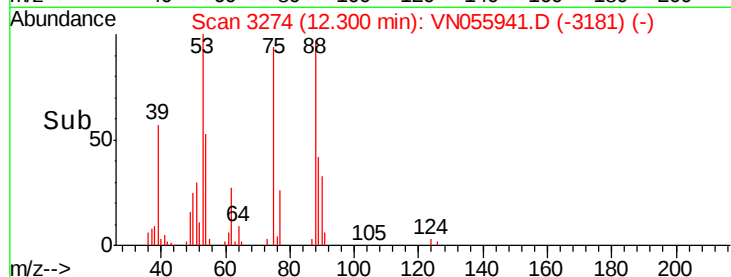
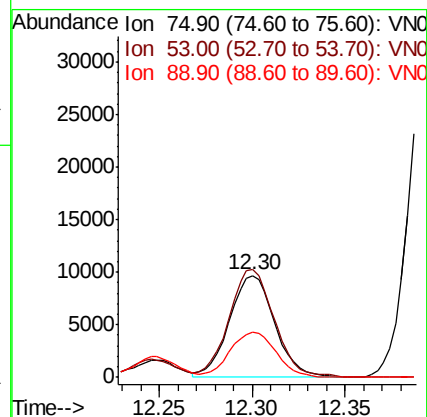
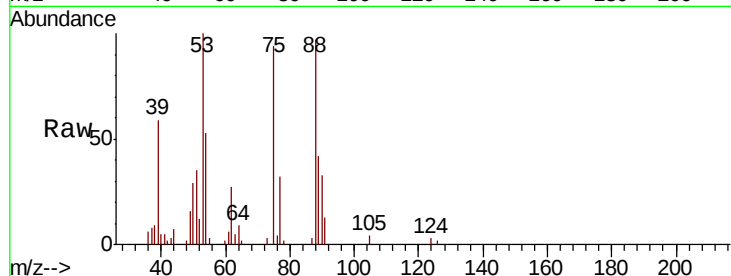
Tot Ion: 75 Resp: 16491

Ion Ratio Lower Upper

75 100

53 106.3 68.1 102.1#

89 45.2 36.9 55.3



#82

4-Chlorotoluene

Concen: 21.334 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055941.D

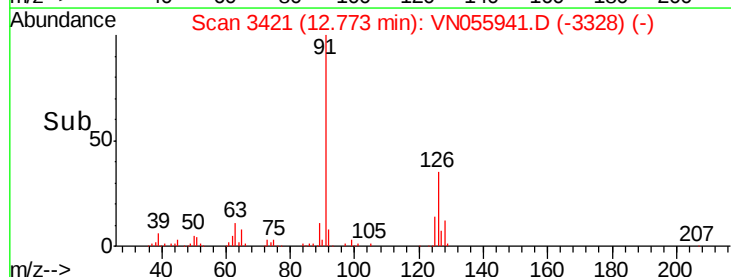
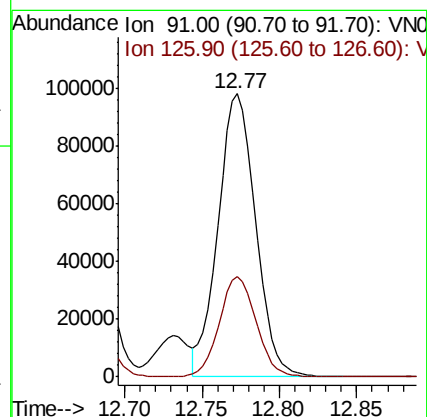
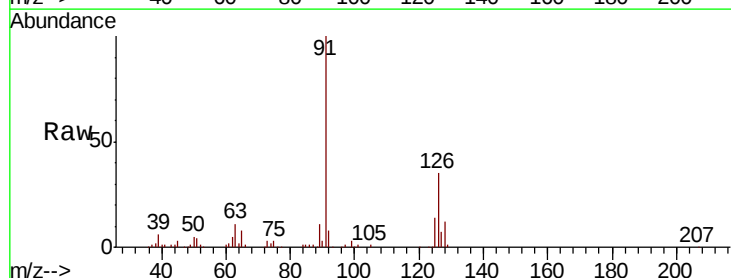
Acq: 1 Jun 2019 2:01

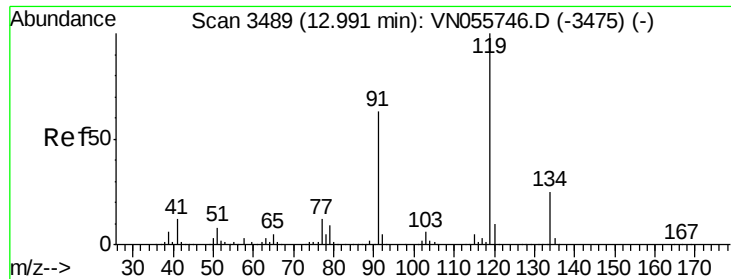
Tgt Ion: 91 Resp: 165756

Ion Ratio Lower Upper

91 100

126 34.7 17.8 53.3

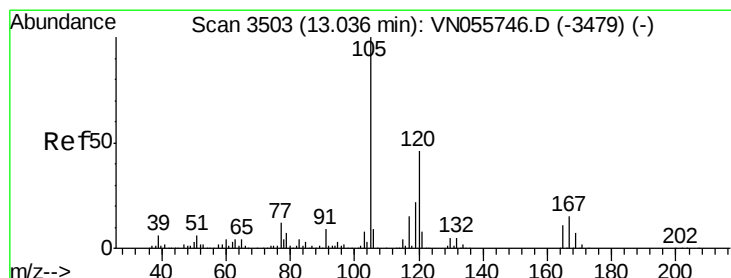
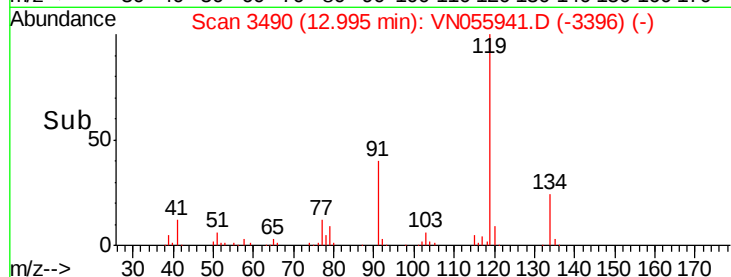
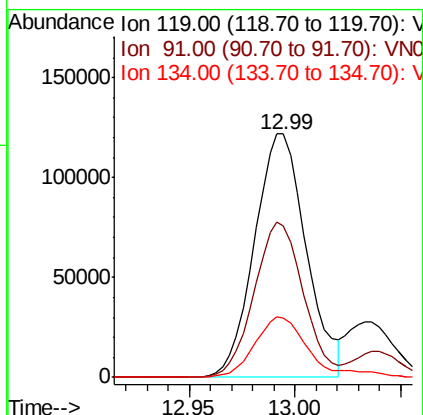
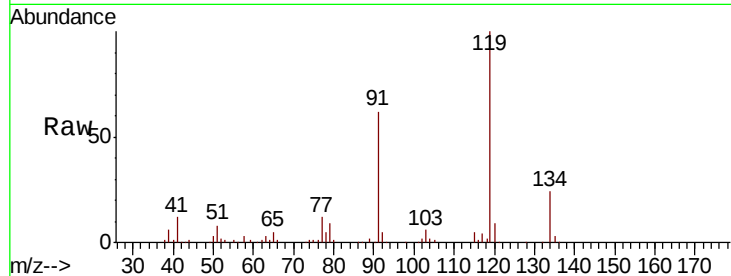




#83
 tert-Butylbenzene
 Concen: 24.876 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

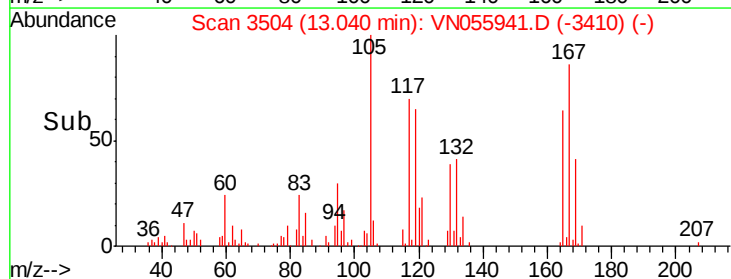
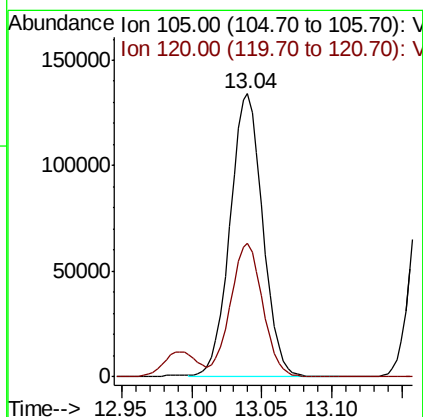
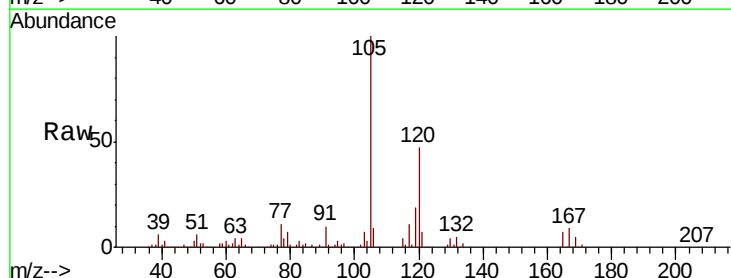
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD02

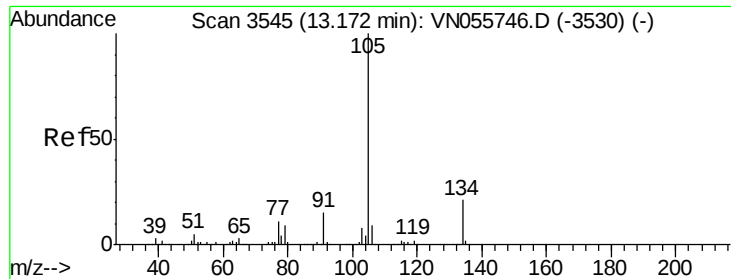
Tot Ion:119 Resp: 207759
 Ion Ratio Lower Upper
 119 100
 91 60.7 30.9 92.8
 134 25.9 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.648 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Tgt Ion:105 Resp: 217531
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.0 69.0

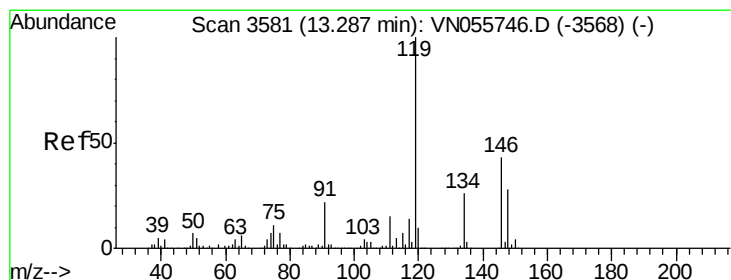
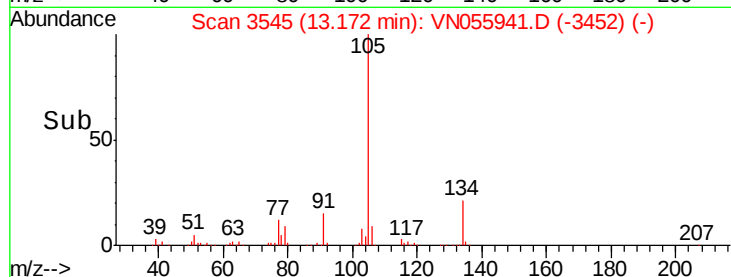
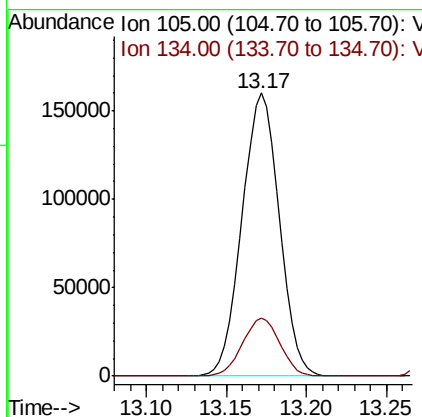
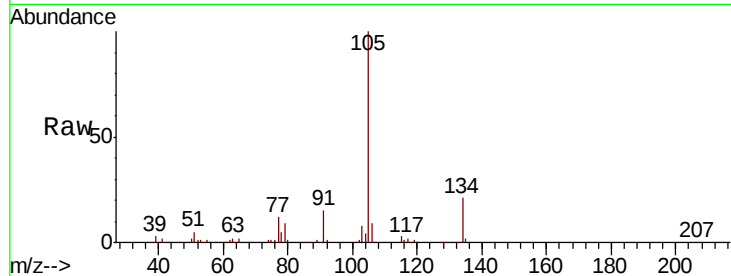




#85
 sec-Butylbenzene
 Concen: 23.655 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

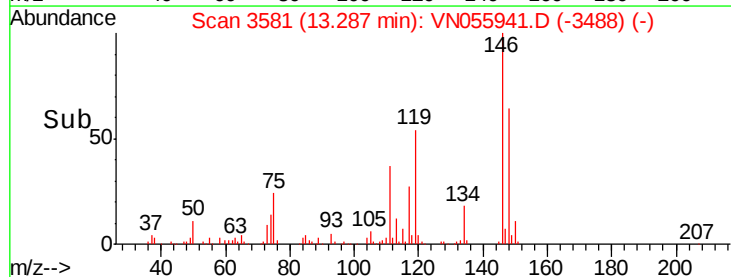
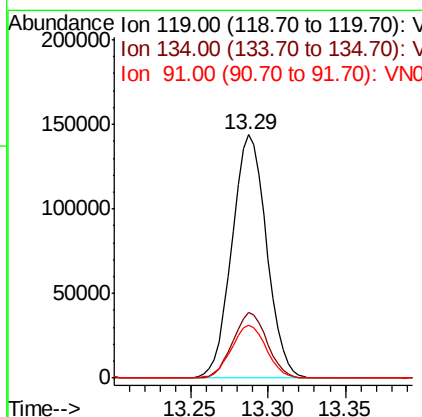
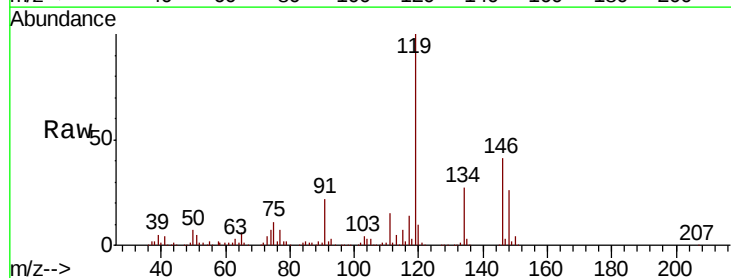
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD02

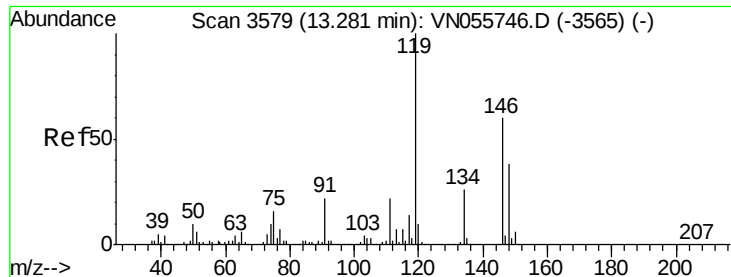
Tot Ion:105 Resp: 254907
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 21.106 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Tgt Ion:119 Resp: 222905
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.1
 91 22.2 10.9 32.9

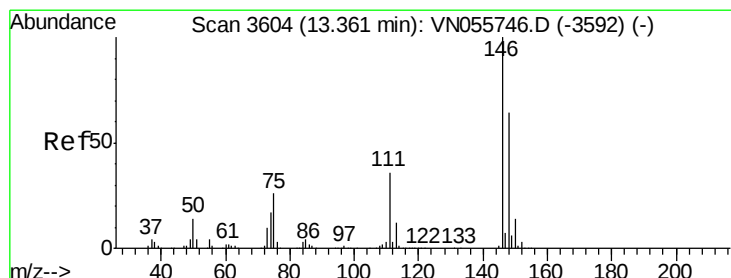
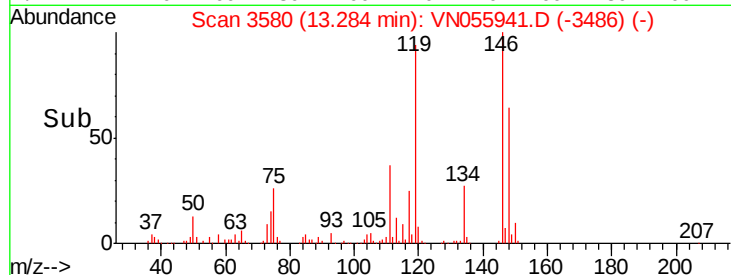
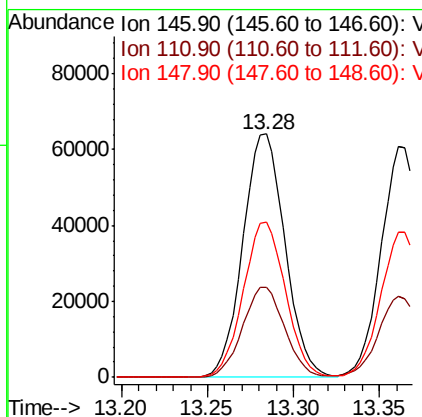
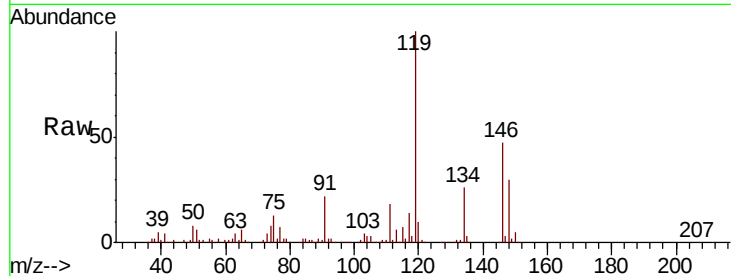




#87
 1,3-Dichlorobenzene
 Concen: 21.180 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

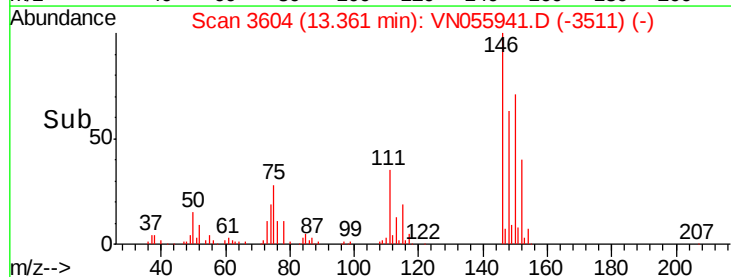
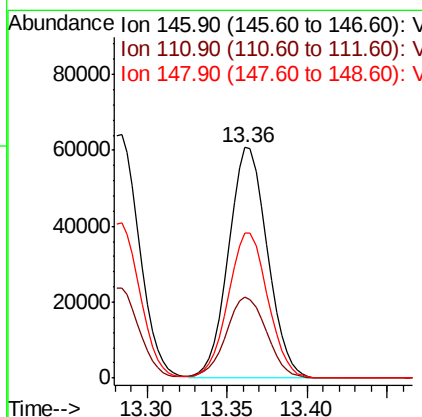
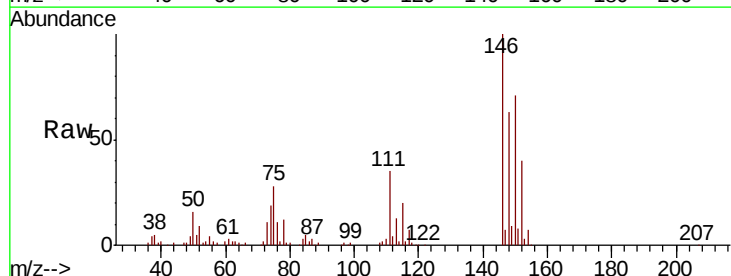
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD02

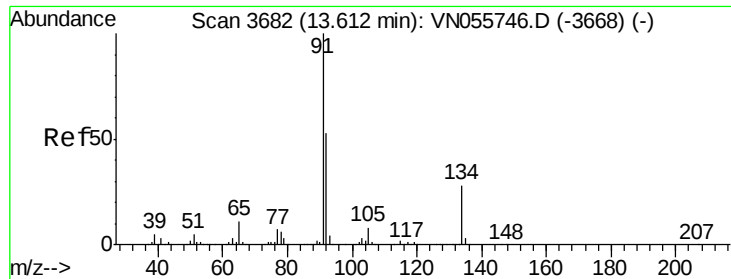
Tot Ion:146 Resp: 108832
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.5 55.5
 148 63.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.639 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Tgt Ion:146 Resp: 100830
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.1 54.4
 148 64.4 32.1 96.5

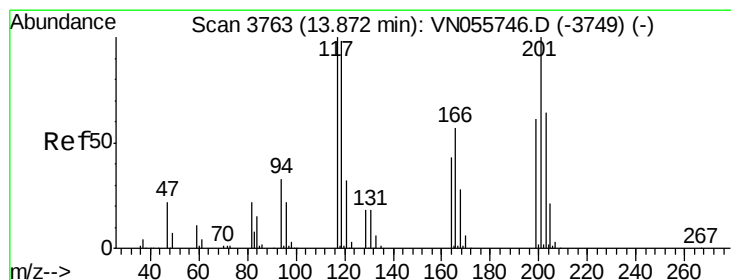
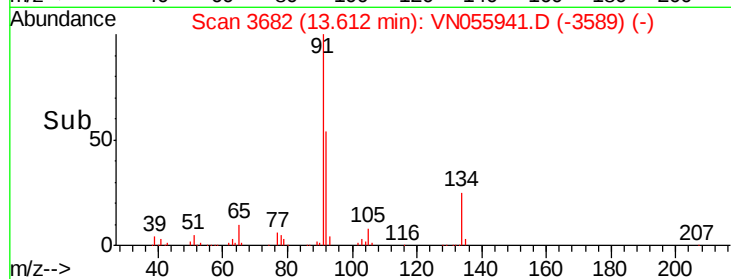
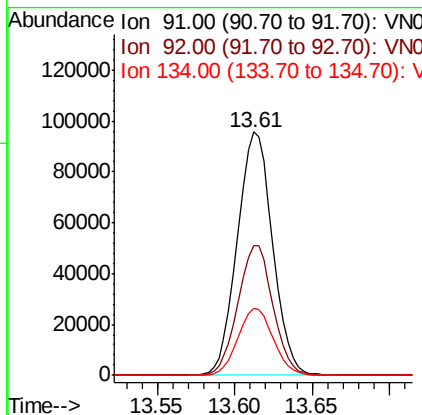
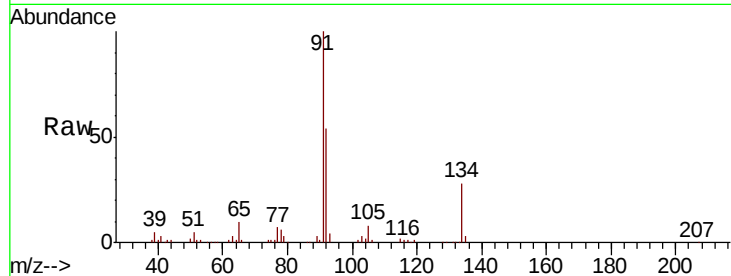




#89
n-Butylbenzene
Concen: 18.757 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

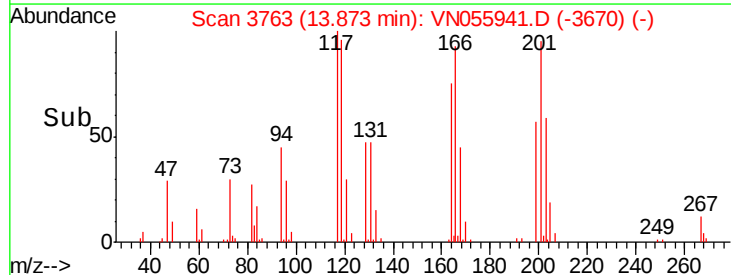
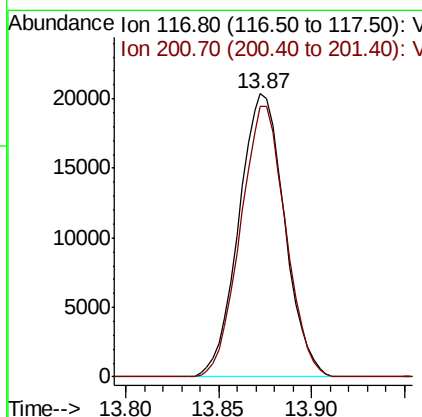
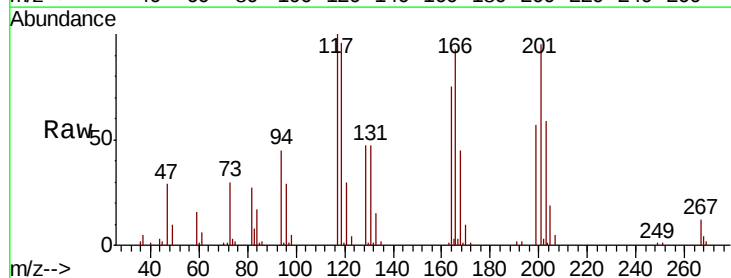
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

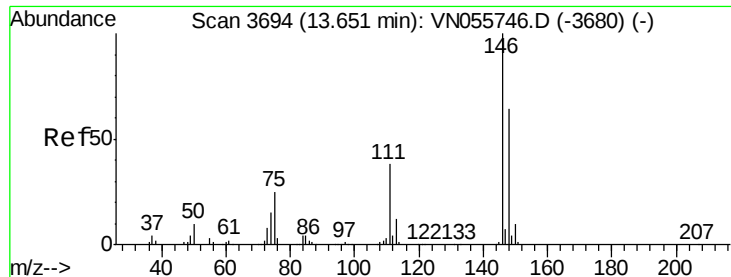
Tot Ion: 91 Resp: 151779
Ion Ratio Lower Upper
91 100
92 52.9 26.4 79.0
134 27.4 13.9 41.7



#90
Hexachloroethane
Concen: 17.404 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion: 117 Resp: 34985
Ion Ratio Lower Upper
117 100
201 94.2 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 21.618 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

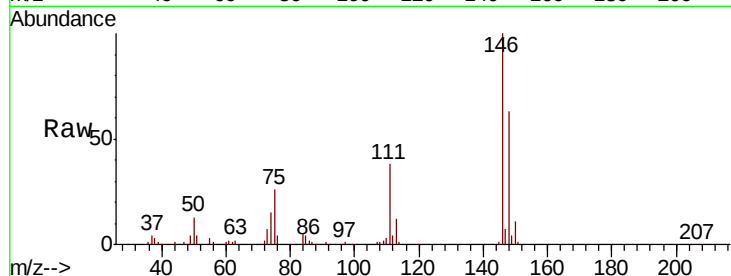
Tot Ion:146 Resp: 110829

Ion Ratio Lower Upper

146 100

111 38.2 19.1 57.5

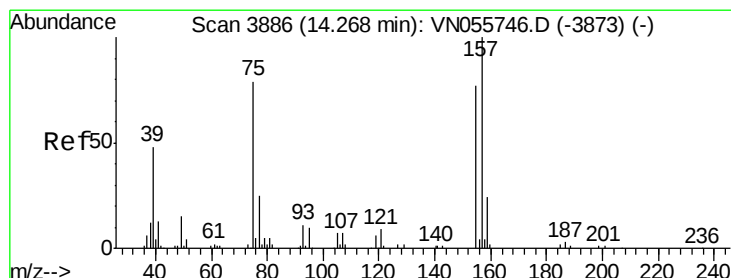
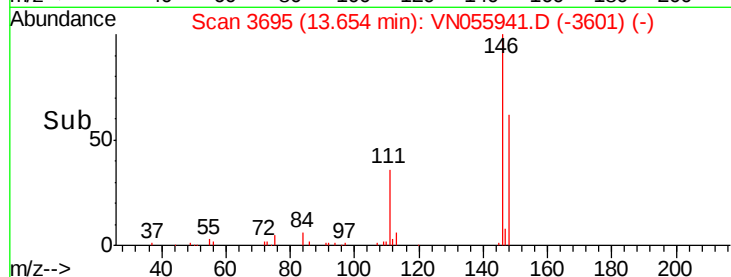
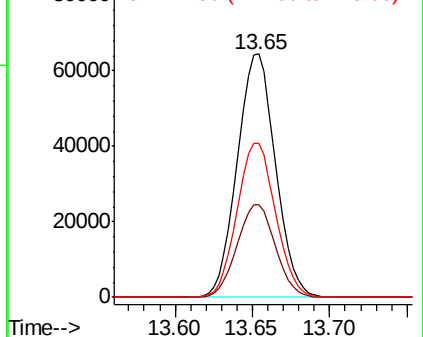
148 63.8 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.588 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

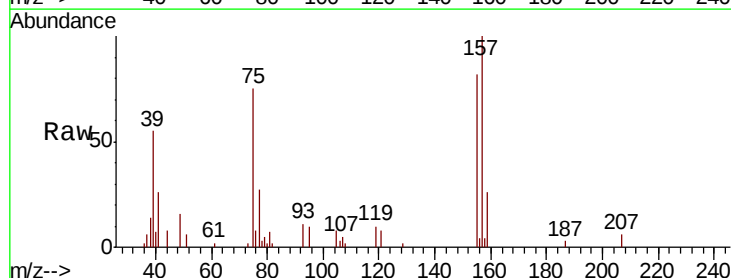
Tgt Ion: 75 Resp: 11851

Ion Ratio Lower Upper

75 100

155 105.6 50.0 150.1

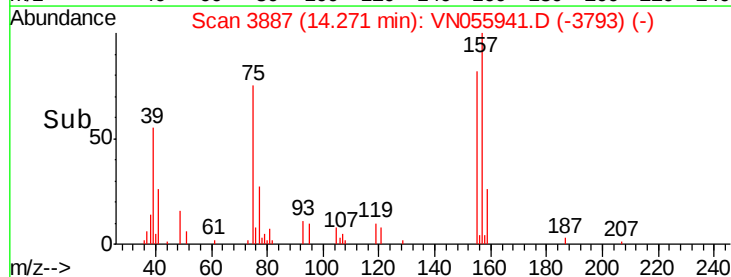
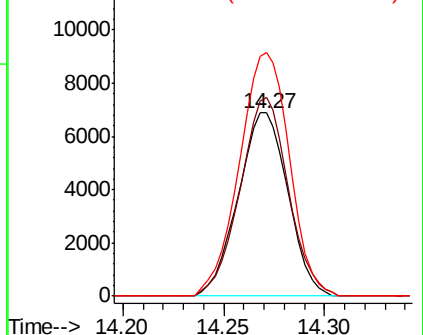
157 134.2 64.8 194.3

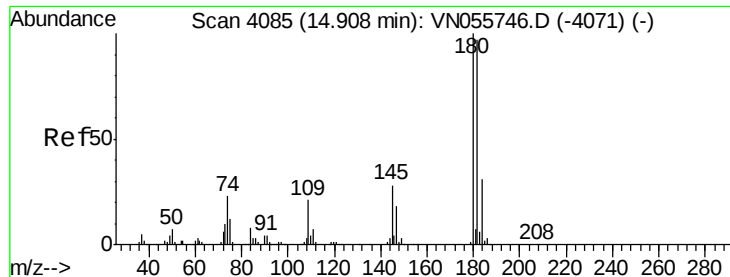


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

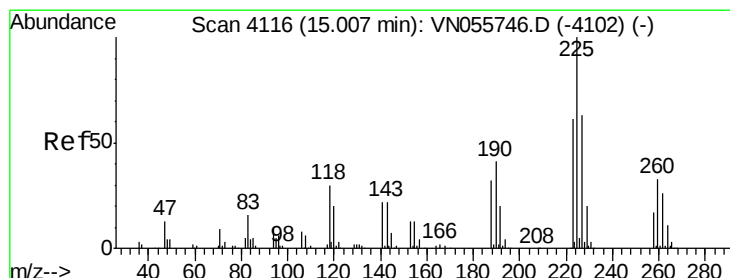
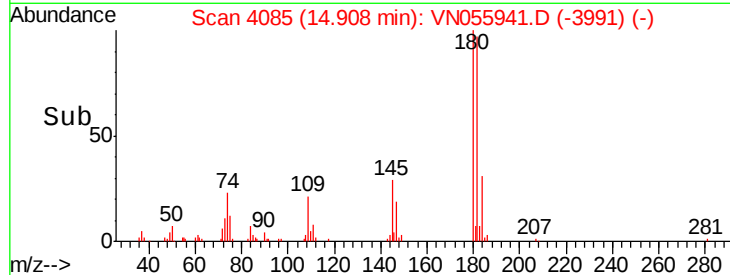
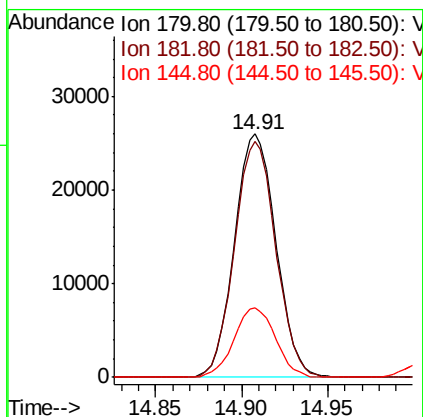
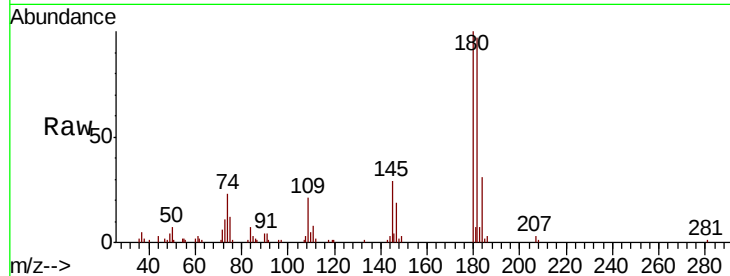




#93
 1,2,4-Trichlorobenzene
 Concen: 17.357 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

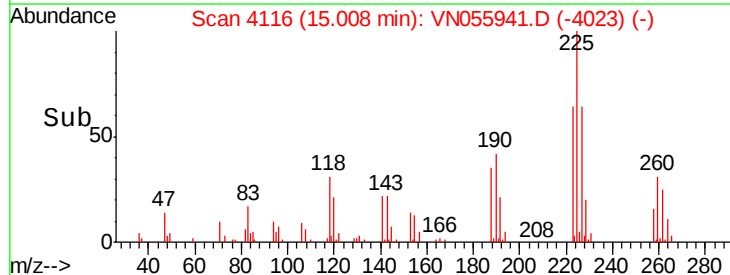
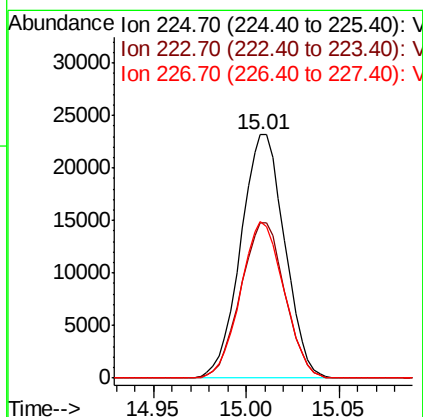
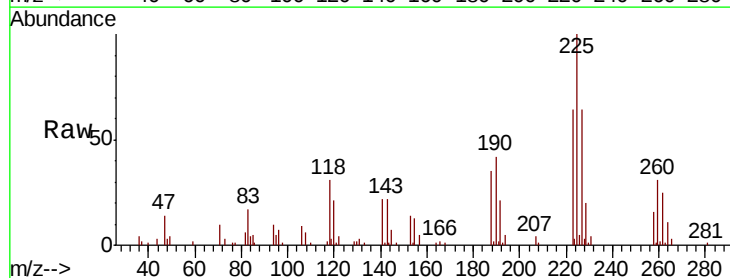
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD02

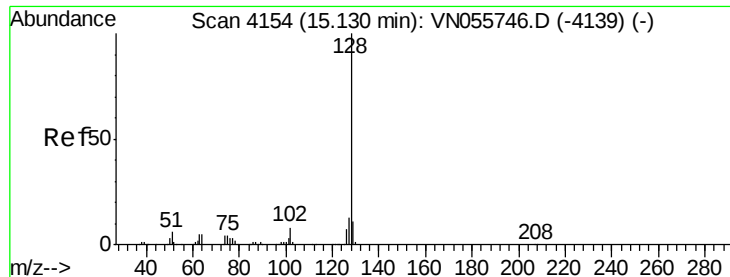
Tot Ion:180 Resp: 43643
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.3 144.9
 145 28.4 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 20.087 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Tgt Ion:225 Resp: 38213
 Ion Ratio Lower Upper
 225 100
 223 64.2 30.9 92.7
 227 63.4 31.6 94.7





#95

Naphthalene

Concen: 18.226 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

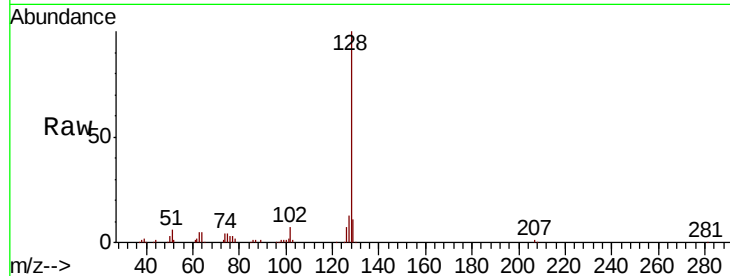
Tot Ion:128 Resp: 128219

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

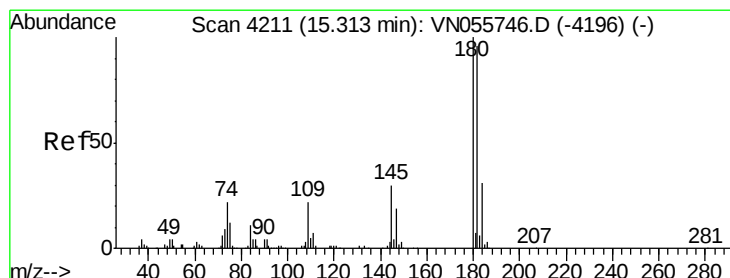
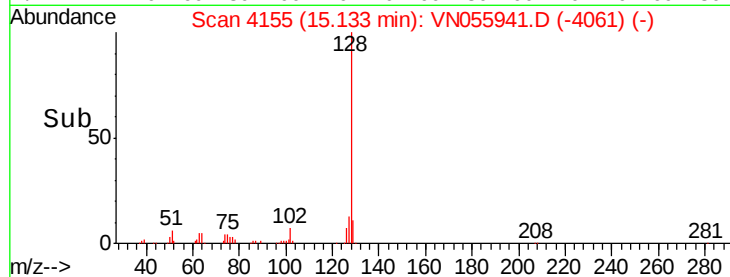
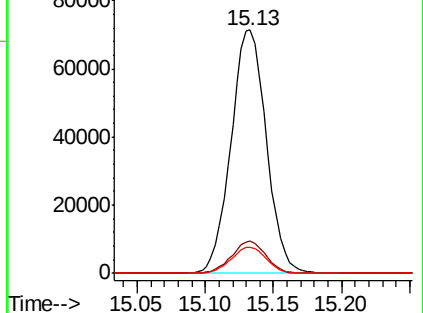
129 10.5 8.7 13.1



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: 18.822 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

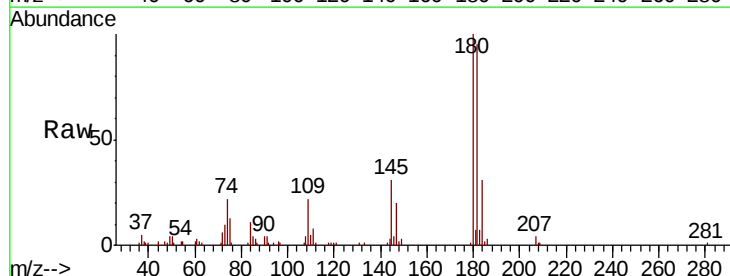
Tgt Ion:180 Resp: 51008

Ion Ratio Lower Upper

180 100

182 96.4 47.9 143.7

145 30.4 14.9 44.7



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

