

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058928.D
 Acq On : 23 Oct 2019 14:40
 Operator : JC/SP
 Sample : VN1024WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Quant Time: Oct 24 01:12:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	330070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	531872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	498224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	232055	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	252993	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
35) Dibromofluoromethane	7.57	113	181764	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
50) Toluene-d8	10.08	98	700127	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.40	95	245307	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	83965	20.403	ug/l	99
3) Chloromethane	2.04	50	99500	19.522	ug/l	98
4) Vinyl Chloride	2.17	62	102366	20.228	ug/l	99
5) Bromomethane	2.55	94	62772	19.808	ug/l	94
6) Chloroethane	2.69	64	65556	20.200	ug/l	98
7) Trichlorofluoromethane	3.00	101	128087	20.456	ug/l	97
8) Diethyl Ether	3.39	74	44501	20.565	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	70336	20.262	ug/l	99
10) Methyl Iodide	3.93	142	91753	20.097	ug/l	98
11) Tert butyl alcohol	4.76	59	77770	96.808	ug/l	99
12) 1,1-Dichloroethene	3.72	96	66107	20.316	ug/l	95
13) Acrolein	3.58	56	36013	65.243	ug/l	98
14) Allyl chloride	4.30	41	131959	20.042	ug/l	99
15) Acrylonitrile	4.96	53	209501	103.676	ug/l	99
16) Acetone	3.80	43	200985	84.019	ug/l	98
17) Carbon Disulfide	4.03	76	198647	18.952	ug/l	100
18) Methyl Acetate	4.30	43	116924	21.499	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	236515	20.758	ug/l	100
20) Methylene Chloride	4.53	84	80490	19.706	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	73120	20.348	ug/l	96
22) Diisopropyl ether	5.93	45	268630	20.858	ug/l	96
23) Vinyl Acetate	5.87	43	1126392	108.860	ug/l	100
24) 1,1-Dichloroethane	5.82	63	153264	20.524	ug/l	98
25) 2-Butanone	6.82	43	293061	94.376	ug/l	99
26) 2,2-Dichloropropane	6.81	77	123071	19.053	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	83461	20.332	ug/l	99
28) Bromochloromethane	7.17	49	51200	20.587	ug/l	99
29) Tetrahydrofuran	7.19	42	193044	101.625	ug/l	99
30) Chloroform	7.36	83	151414	20.213	ug/l	100
31) Cyclohexane	7.64	56	135003	19.405	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	128521	20.355	ug/l	98
36) 1,1-Dichloropropene	7.78	75	109487	20.107	ug/l	99
37) Ethyl Acetate	6.91	43	124486	20.981	ug/l	99
38) Carbon Tetrachloride	7.76	117	111573	19.889	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	117993	19.298	ug/l	96
40) Benzene	8.03	78	328386	20.537	ug/l	99
41) Methacrylonitrile	7.15	41	46389	17.555	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	125005	20.295	ug/l	100
43) Isopropyl Acetate	8.15	43	192840	20.266	ug/l #	91
44) Trichloroethene	8.82	130	77233	19.828	ug/l	99
45) 1,2-Dichloropropane	9.11	63	89252	20.356	ug/l	100
46) Dibromomethane	9.20	93	57028	20.574	ug/l	98
47) Bromodichloromethane	9.39	83	118099	20.672	ug/l	98
48) Methyl methacrylate	9.19	41	91121	21.106	ug/l	97
49) 1,4-Dioxane	9.19	88	27432	387.069	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	611845	110.083	ug/l	99
52) Toluene	10.15	92	198230	20.905	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	126788	20.047	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	135268	20.019	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	79696	20.402	ug/l	98
56) Ethyl methacrylate	10.43	69	117618	19.271	ug/l	99
57) 1,3-Dichloropropane	10.70	76	138413	20.189	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	247927	93.115	ug/l	100
59) 2-Hexanone	10.75	43	448543	104.437	ug/l	98
60) Dibromochloromethane	10.90	129	86052	20.467	ug/l	99
61) 1,2-Dibromoethane	11.00	107	82014	20.516	ug/l	98
64) Tetrachloroethene	10.63	164	69344	19.874	ug/l	99
65) Chlorobenzene	11.43	112	206852	20.393	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	78527	20.516	ug/l	99
67) Ethyl Benzene	11.51	91	373072	20.967	ug/l	99
68) m/p-Xylenes	11.62	106	275050	41.683	ug/l	99
69) o-Xylene	11.95	106	128559	20.428	ug/l	99
70) Styrene	11.97	104	210001	19.172	ug/l	99
71) Bromoform	12.13	173	59302	19.980	ug/l #	99
73) Isopropylbenzene	12.25	105	357438	21.077	ug/l	100
74) N-amyl acetate	12.07	43	160591	20.887	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	126293	21.179	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	165057	30.690	ug/l #	100
77) Bromobenzene	12.53	156	85803	20.527	ug/l	99
78) n-propylbenzene	12.59	91	420942	20.999	ug/l	100
79) 2-Chlorotoluene	12.68	91	249874	20.366	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	302565	21.235	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	40863	19.793	ug/l	99
82) 4-Chlorotoluene	12.78	91	261145	20.828	ug/l	99
83) tert-Butylbenzene	13.00	119	251634	20.652	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	300883	21.409	ug/l	98
85) sec-Butylbenzene	13.18	105	344850	21.228	ug/l	99
86) p-Isopropyltoluene	13.29	119	305393	21.306	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	153105	20.484	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	151241	20.211	ug/l	99
89) n-Butylbenzene	13.62	91	265916	20.195	ug/l	100
90) Hexachloroethane	13.88	117	59210	20.386	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	151588	20.635	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	26636	19.749	ug/l	95

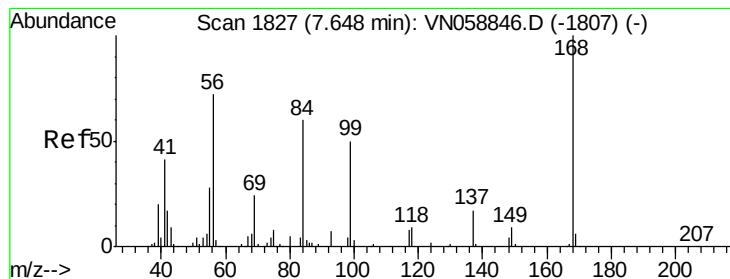
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	81067	19.166	ug/l	100
94) Hexachlorobutadiene	15.01	225	46084	19.354	ug/l	99
95) Naphthalene	15.13	128	226503	18.508	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	80116	19.337	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

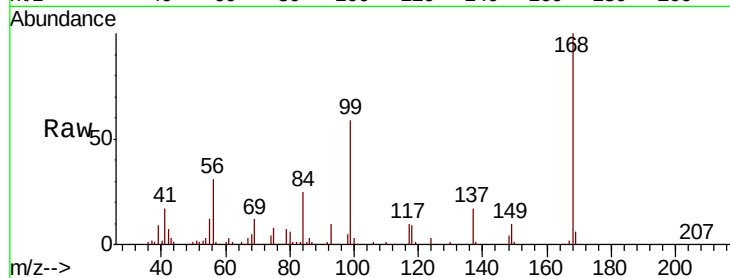
VN1024WBSD01

Tot Ion:168 Resp: 330070

Ion Ratio Lower Upper

168 100

99 58.5 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

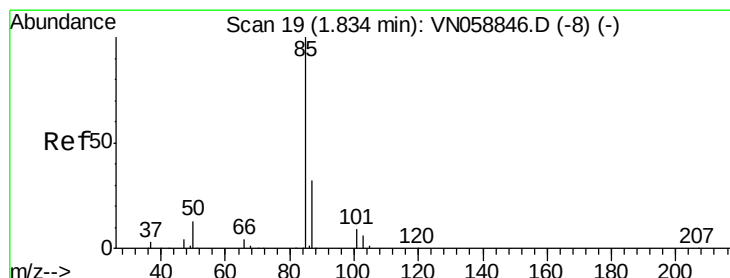
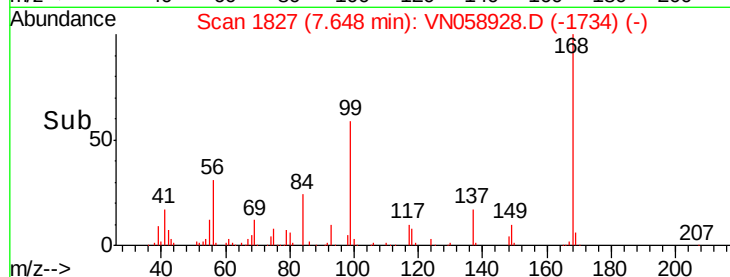
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.403 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058928.D

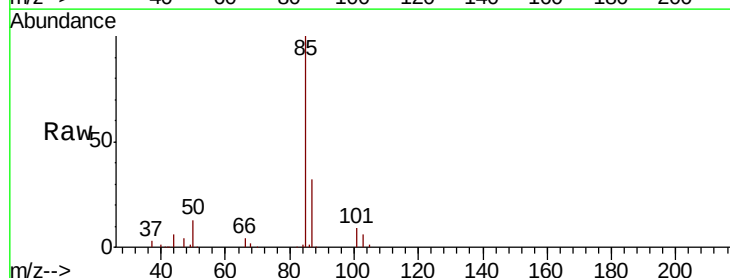
Acq: 23 Oct 2019 14:40

Tgt Ion: 85 Resp: 83965

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

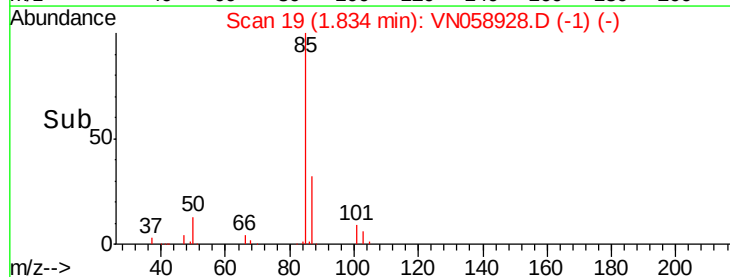
40000

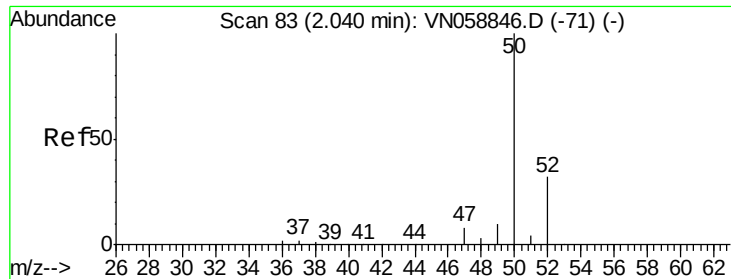
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0

1.75 1.80 1.85 1.90 1.95

Time-->

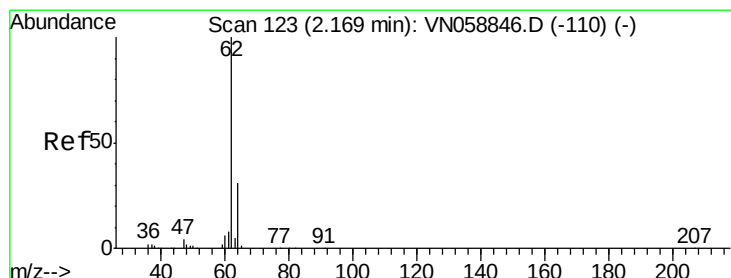
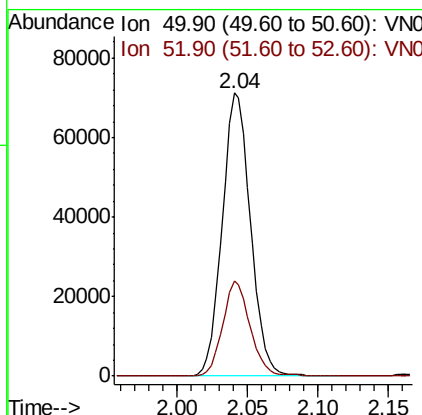
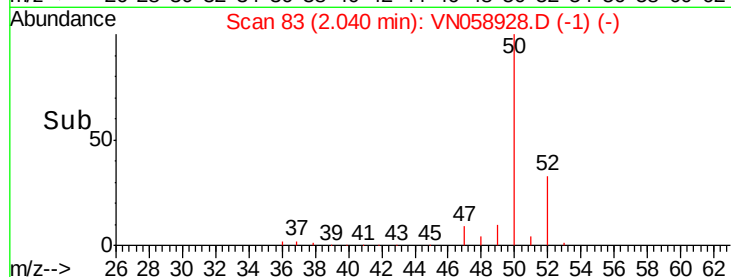
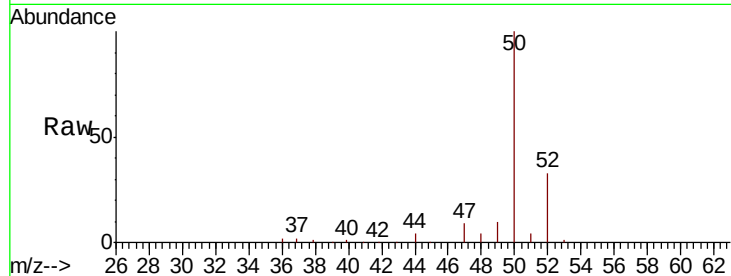




#3
Chloromethane
Concen: 19.522 ug/l
RT: 2.04 min Scan# 83
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

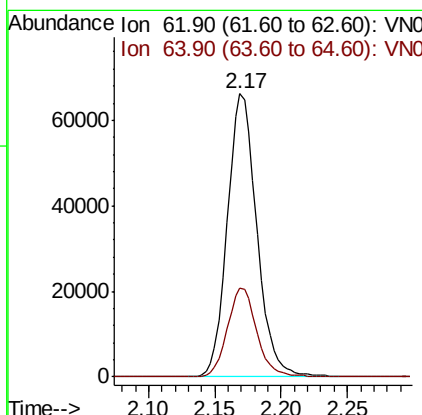
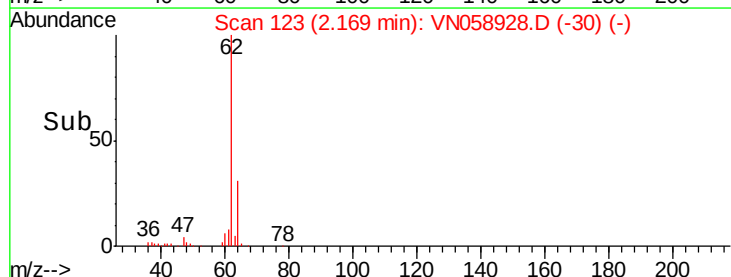
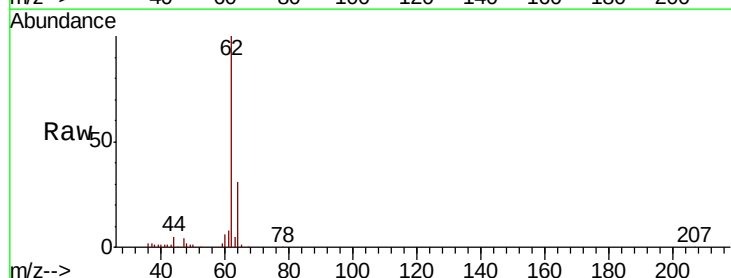
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

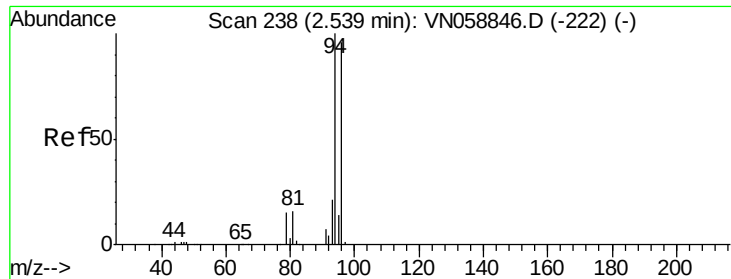
Tot Ion: 50 Resp: 99500
Ion Ratio Lower Upper
50 100
52 33.5 25.7 38.5



#4
Vinyl Chloride
Concen: 20.228 ug/l
RT: 2.17 min Scan# 123
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion: 62 Resp: 102366
Ion Ratio Lower Upper
62 100
64 31.2 24.6 36.8





#5

Bromomethane

Concen: 19.808 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

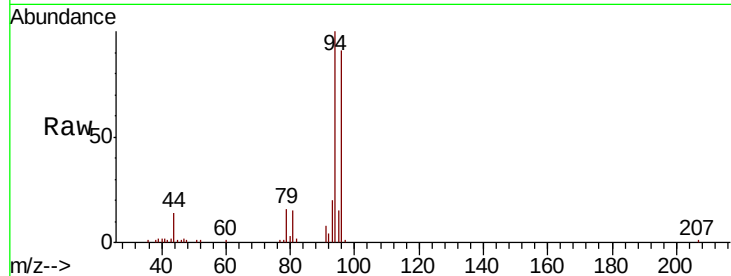
VN1024WBSD01

Tot Ion: 94 Resp: 62772

Ion Ratio Lower Upper

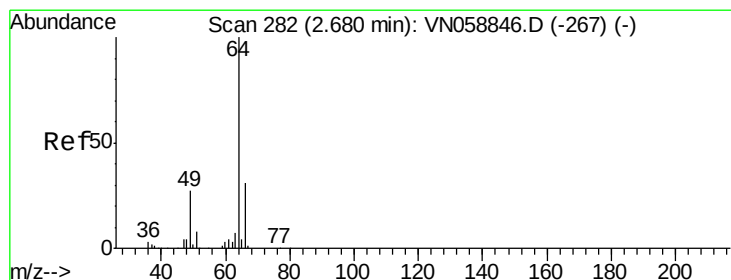
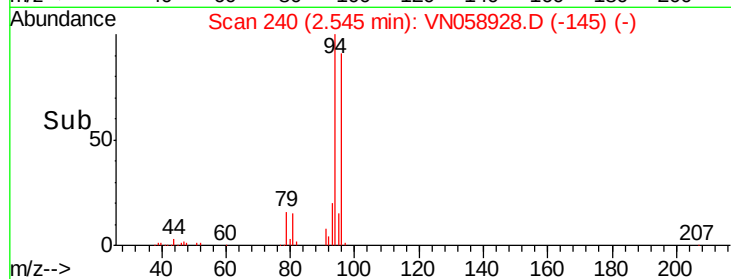
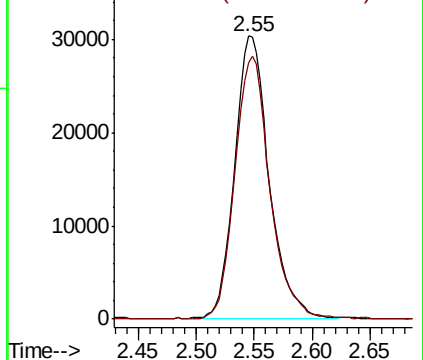
94 100

96 90.7 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 20.200 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058928.D

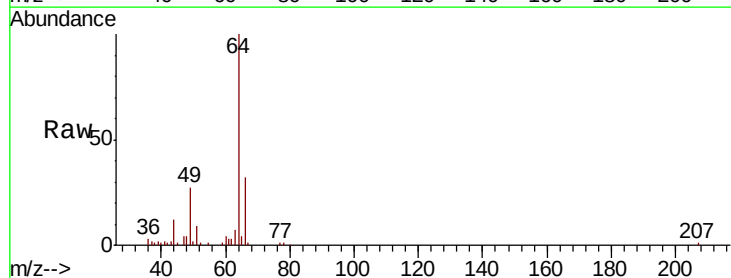
Acq: 23 Oct 2019 14:40

Tgt Ion: 64 Resp: 65556

Ion Ratio Lower Upper

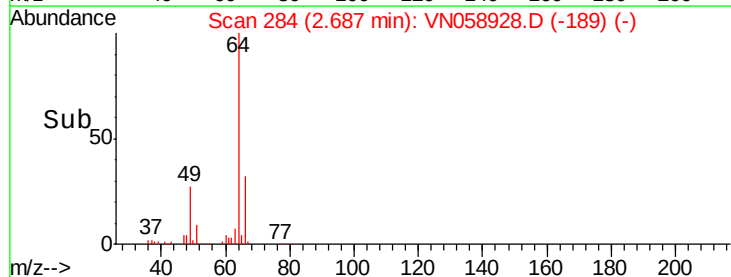
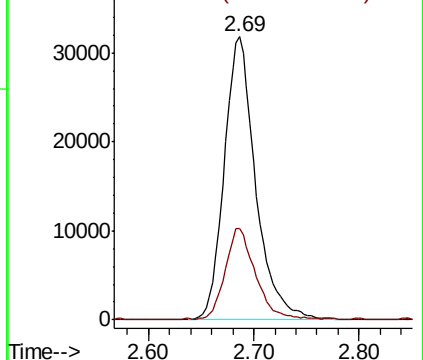
64 100

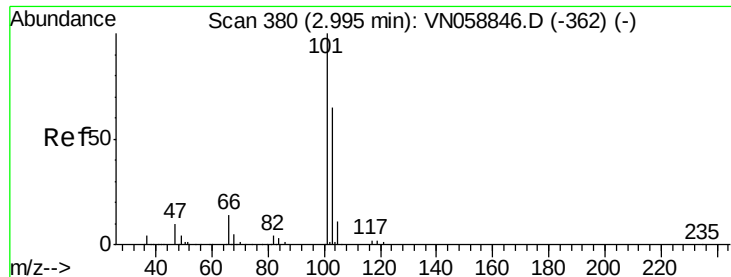
66 32.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC



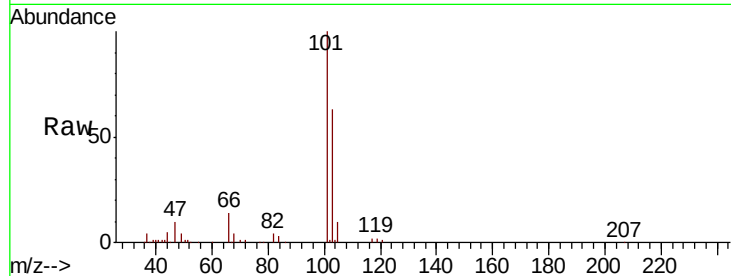


#7

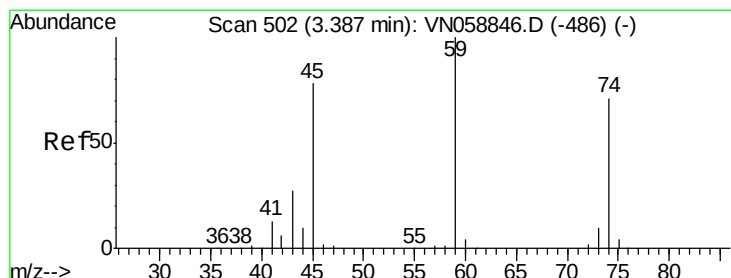
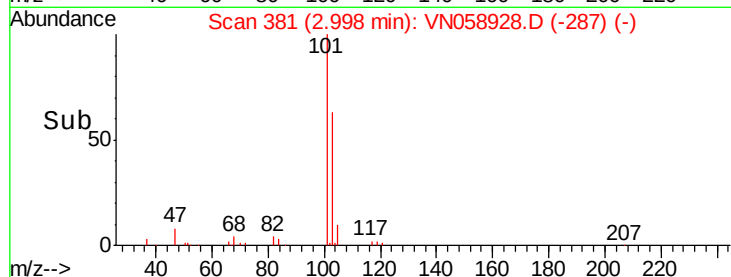
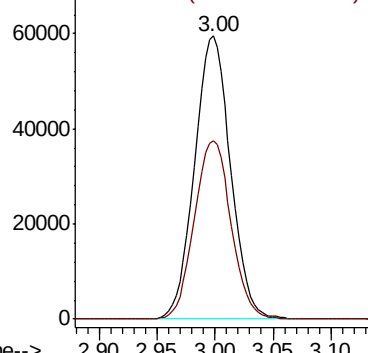
Trichlorofluoromethane
Concen: 20.456 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion:101 Resp: 128087
Ion Ratio Lower Upper
101 100
103 62.9 52.2 78.2



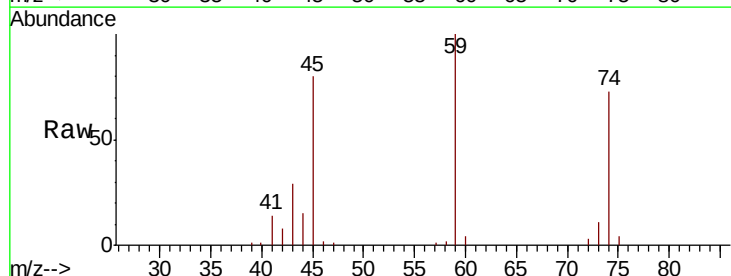
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



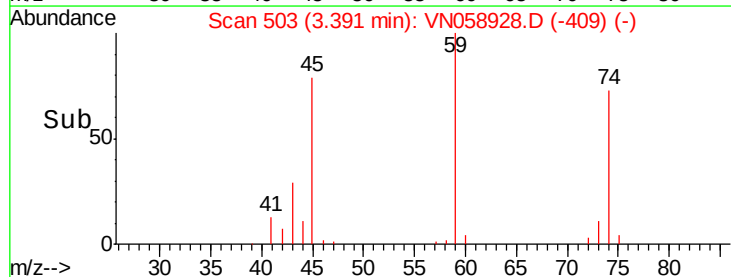
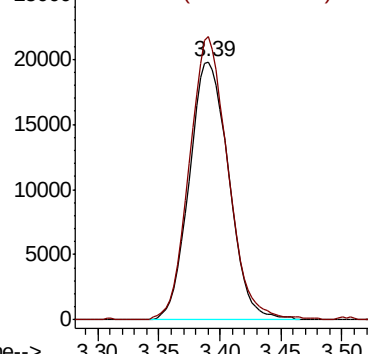
#8

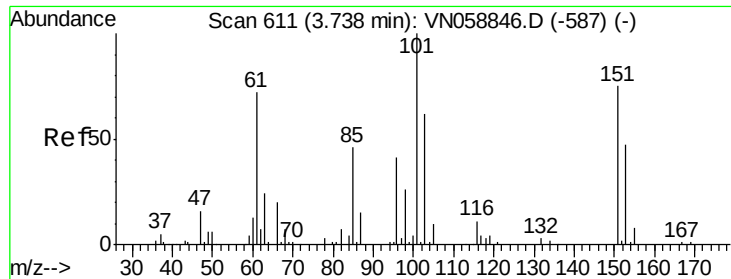
Diethyl Ether
Concen: 20.565 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion: 74 Resp: 44501
Ion Ratio Lower Upper
74 100
45 107.6 54.9 164.5



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

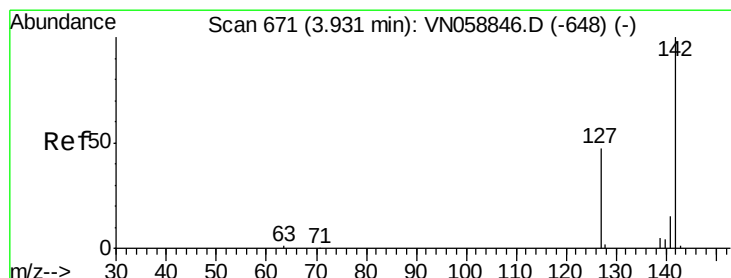
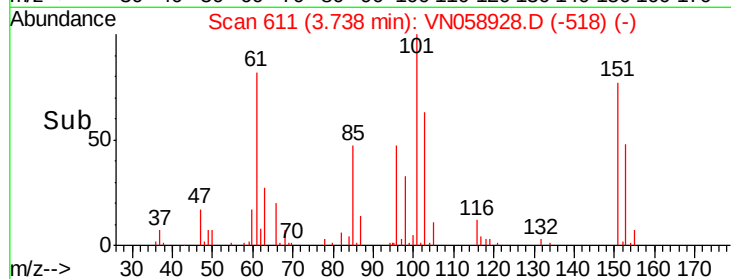
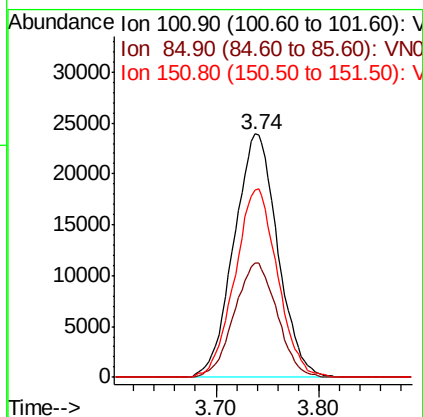
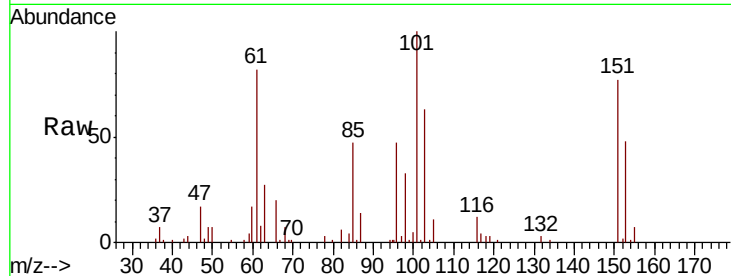




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.262 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

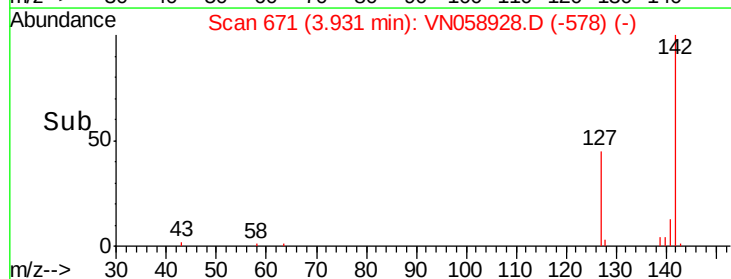
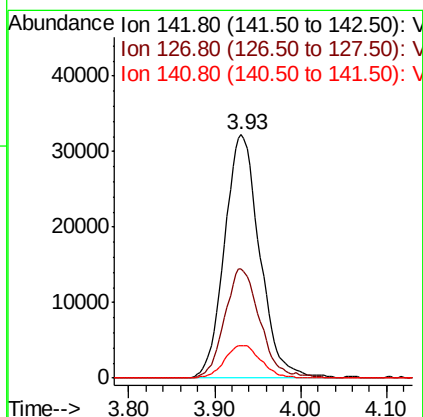
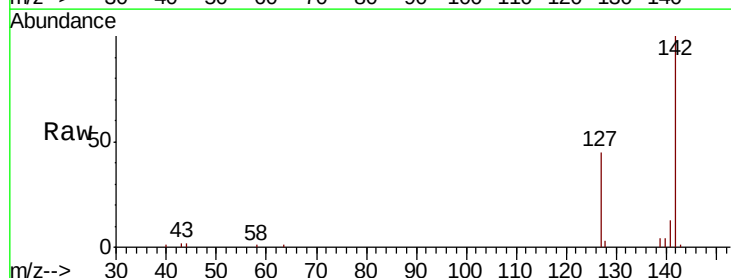
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

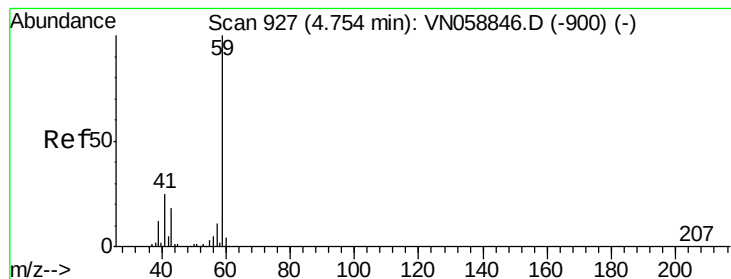
Tot Ion:101 Resp: 70336
 Ion Ratio Lower Upper
 101 100
 85 45.9 37.2 55.8
 151 75.6 59.9 89.9



#10
 Methyl Iodide
 Concen: 20.097 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Tgt Ion:142 Resp: 91753
 Ion Ratio Lower Upper
 142 100
 127 44.4 36.6 54.8
 141 13.8 11.4 17.2





#11

Tert butyl alcohol

Concen: 96.808 ug/l

RT: 4.76 min Scan# 929

Delta R.T. 0.01 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

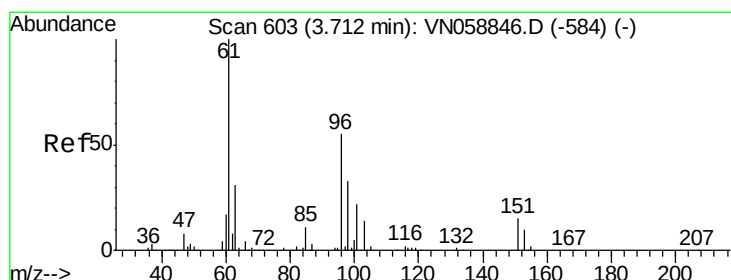
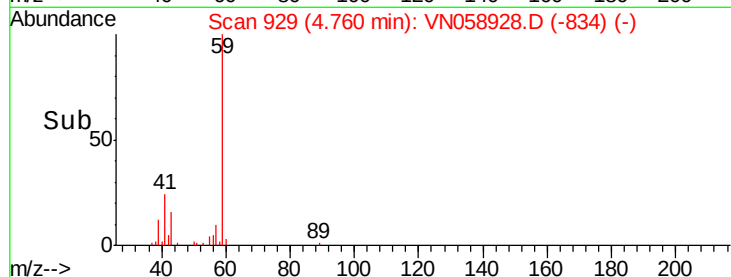
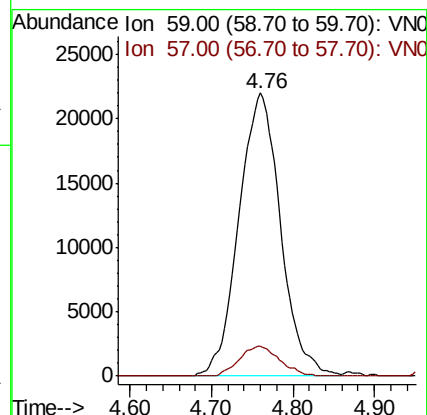
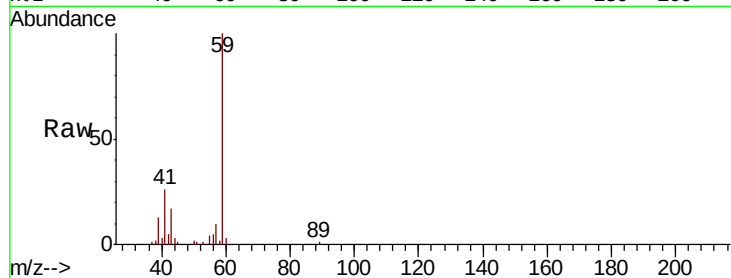
VN1024WBSD01

Tot Ion: 59 Resp: 77770

Ion Ratio Lower Upper

59 100

57 10.3 8.6 12.8



#12

1,1-Dichloroethene

Concen: 20.316 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

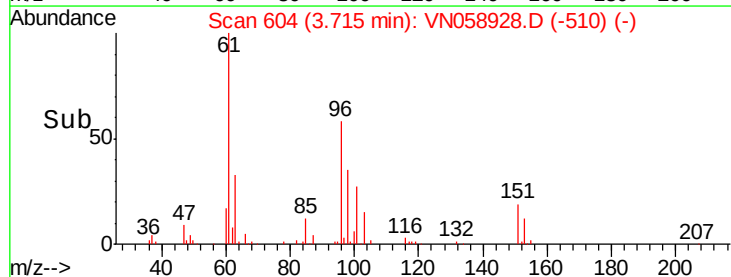
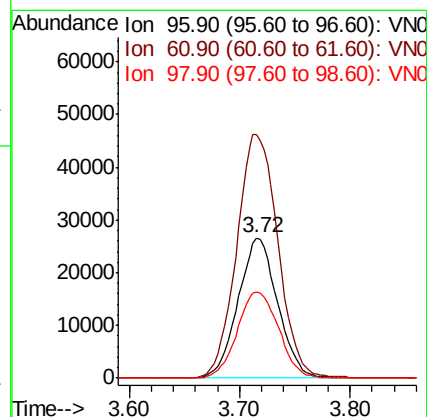
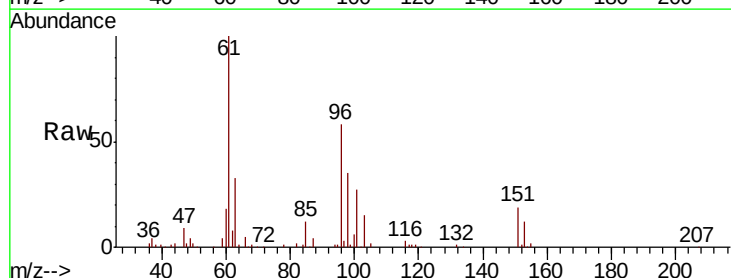
Tgt Ion: 96 Resp: 66107

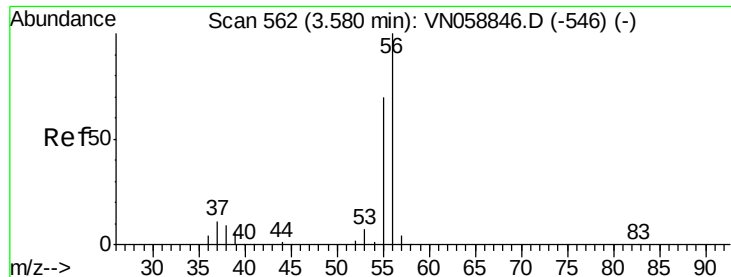
Ion Ratio Lower Upper

96 100

61 173.9 146.2 219.2

98 61.4 48.7 73.1





#13

Acrolein

Concen: 65.243 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

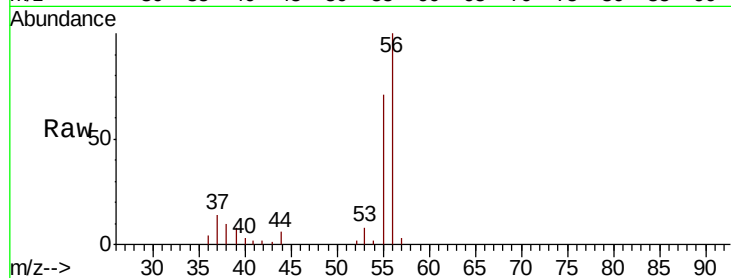
VN1024WBSD01

Tot Ion: 56 Resp: 36013

Ion Ratio Lower Upper

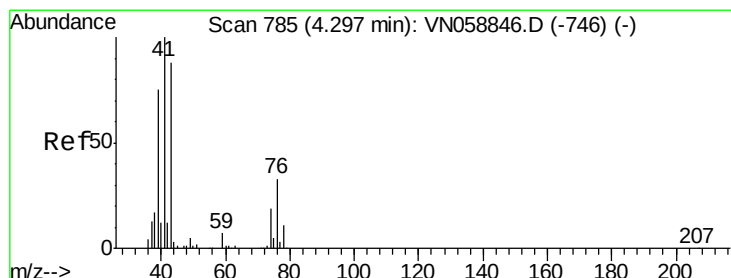
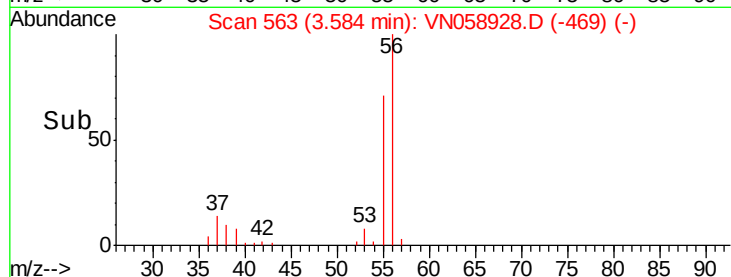
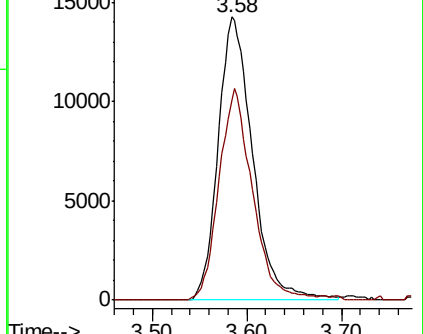
56 100

55 72.7 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.042 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

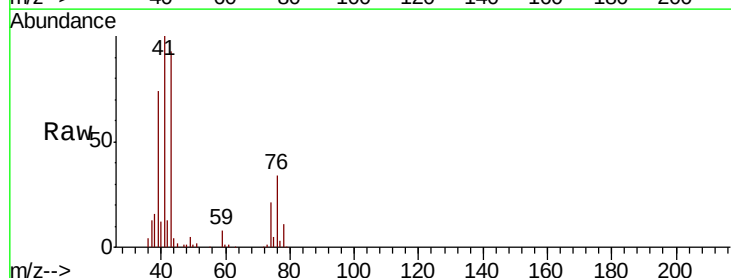
Tgt Ion: 41 Resp: 131959

Ion Ratio Lower Upper

41 100

39 69.4 55.9 83.9

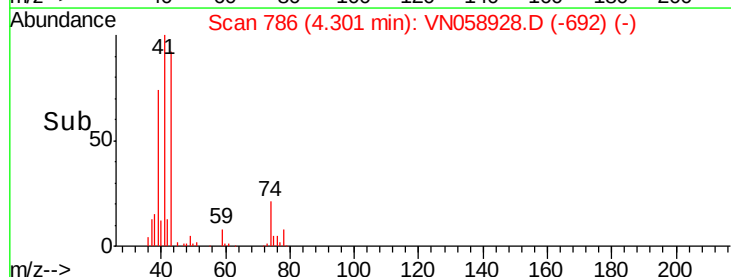
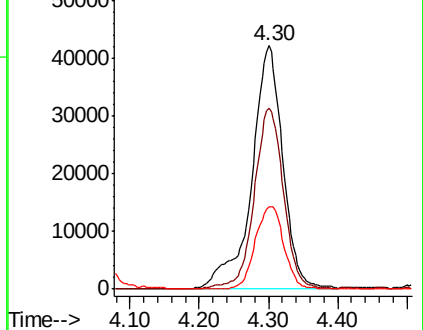
76 31.0 24.1 36.1

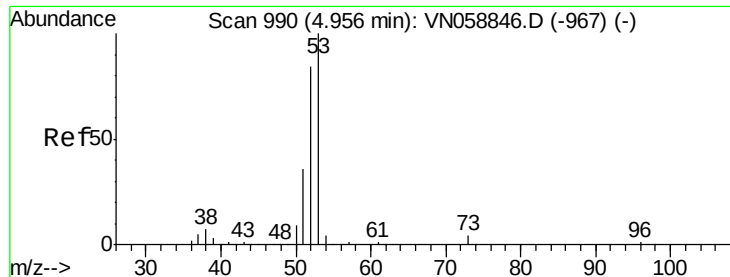


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 103.676 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

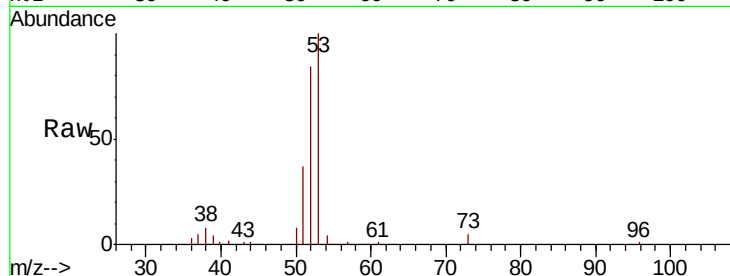
Tot Ion: 53 Resp: 209501

Ion Ratio Lower Upper

53 100

52 82.7 66.6 99.8

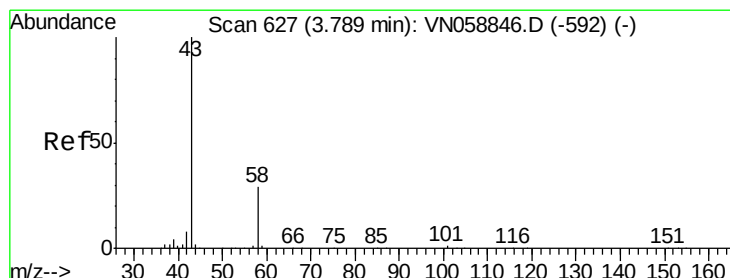
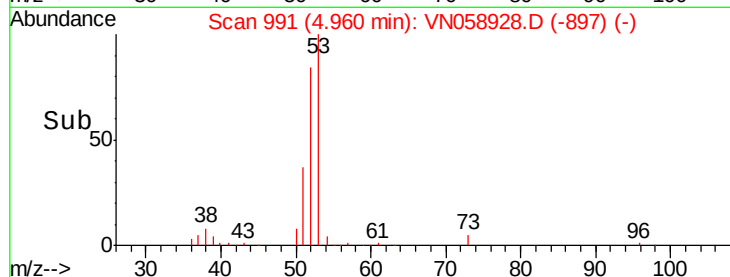
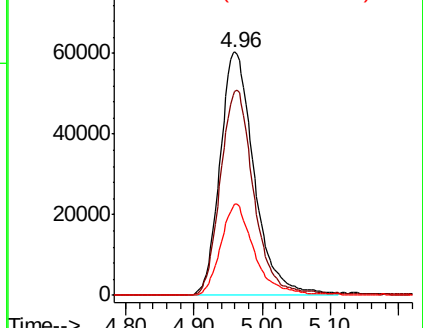
51 36.8 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN058928.D (-534) (-)

Ion 52.00 (51.70 to 52.70): VN058928.D (-534) (-)

Ion 51.00 (50.70 to 51.70): VN058928.D (-534) (-)



#16

Acetone

Concen: 84.019 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN058928.D

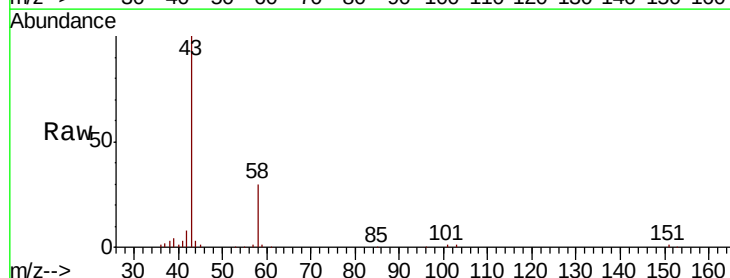
Acq: 23 Oct 2019 14:40

Tgt Ion: 43 Resp: 200985

Ion Ratio Lower Upper

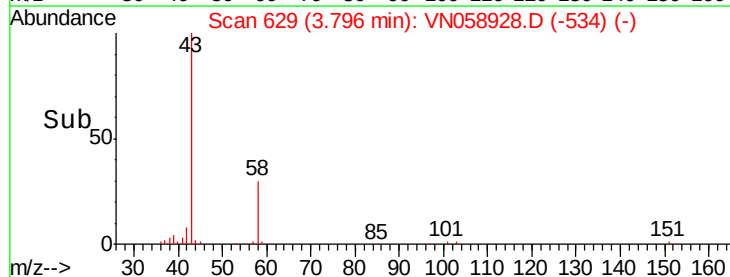
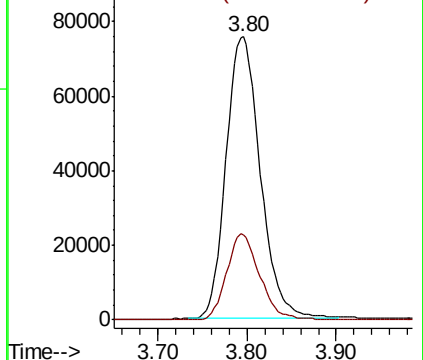
43 100

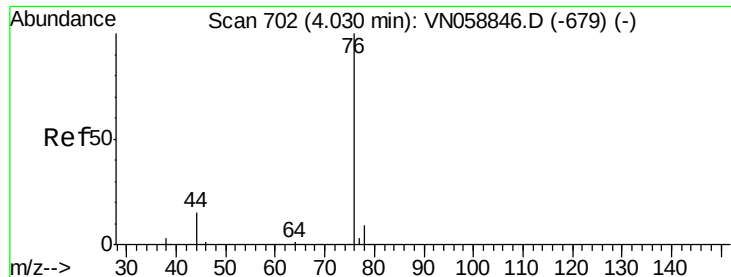
58 30.2 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN058928.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN058928.D (-534) (-)





#17

Carbon Disulfide

Concen: 18.952 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

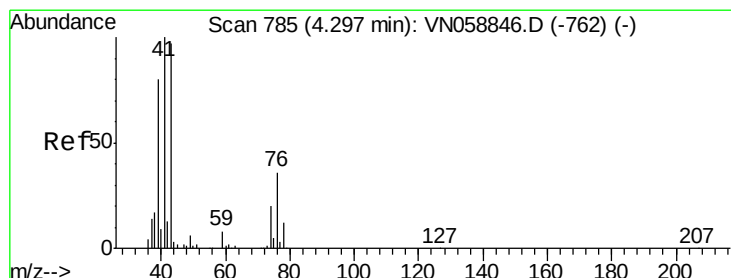
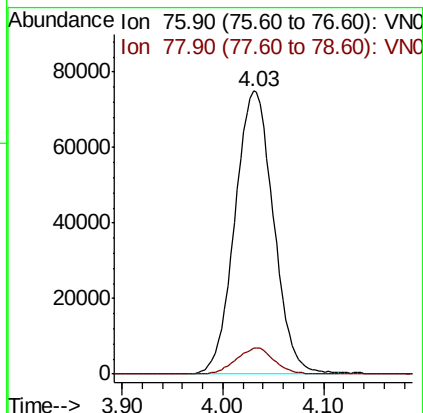
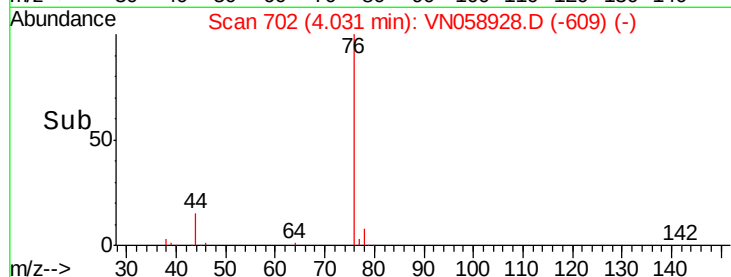
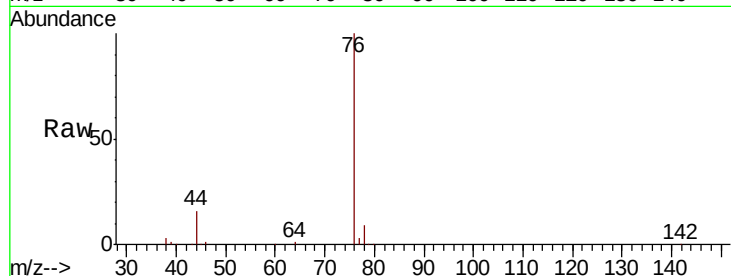
VN1024WBSD01

Tot Ion: 76 Resp: 198647

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



#18

Methyl Acetate

Concen: 21.499 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.01 min

Lab File: VN058928.D

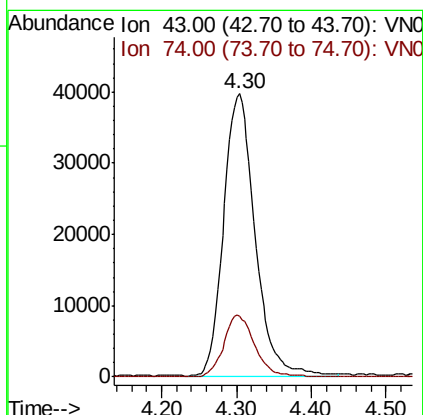
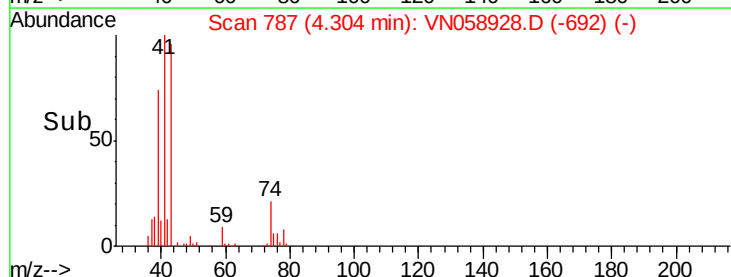
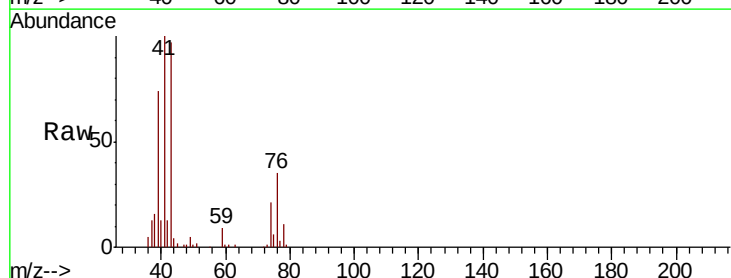
Acq: 23 Oct 2019 14:40

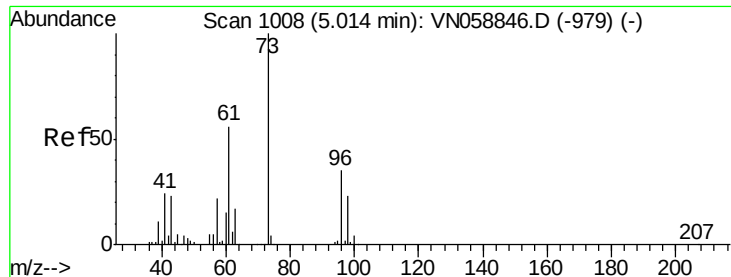
Tgt Ion: 43 Resp: 116924

Ion Ratio Lower Upper

43 100

74 21.1 17.1 25.7





#19

Methvl tert-butvl Ether

Concen: 20.758 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

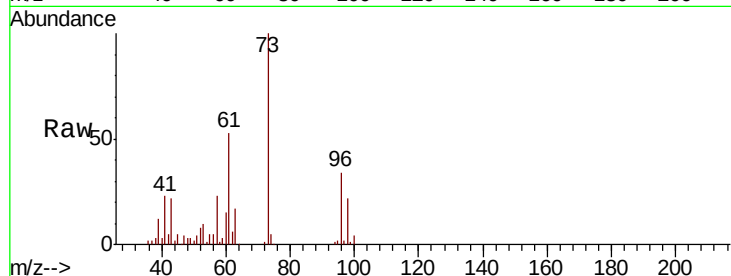
VN1024WBSD01

Tot Ion: 73 Resp: 236515

Ion Ratio Lower Upper

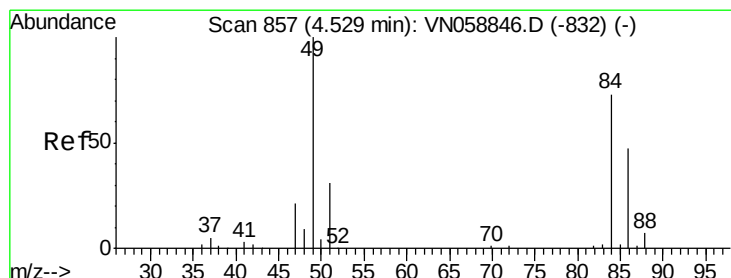
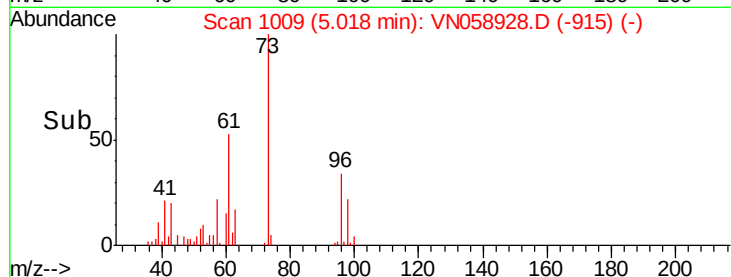
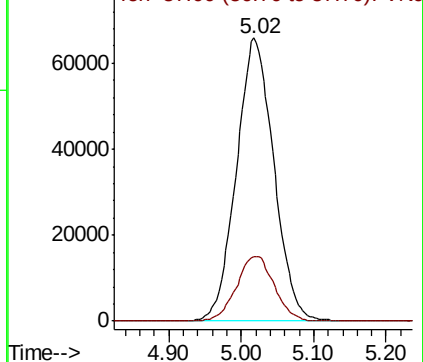
73 100

57 22.6 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 19.706 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Tgt Ion: 84 Resp: 80490

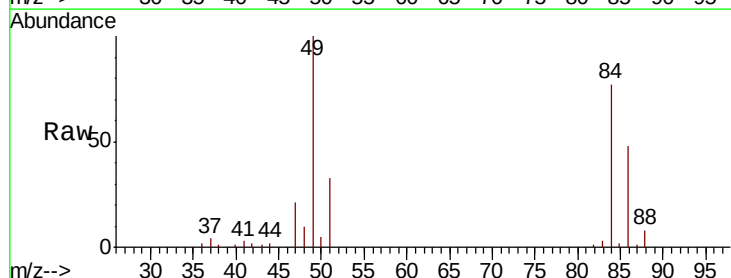
Ion Ratio Lower Upper

84 100

49 130.7 109.6 164.4

51 42.6 33.8 50.6

86 62.6 51.5 77.3

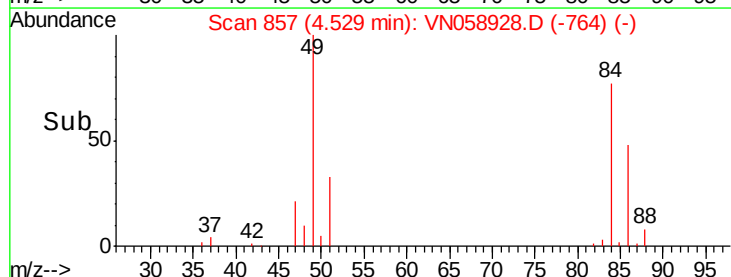
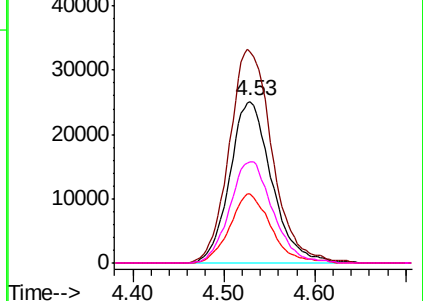


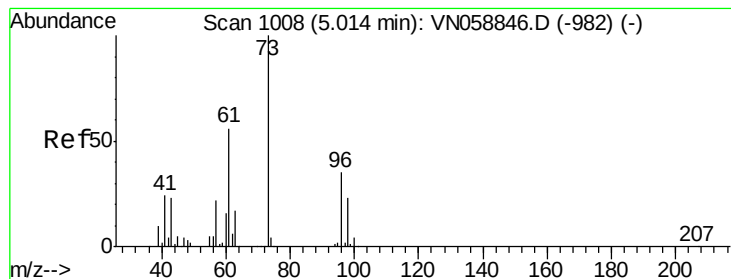
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 20.348 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

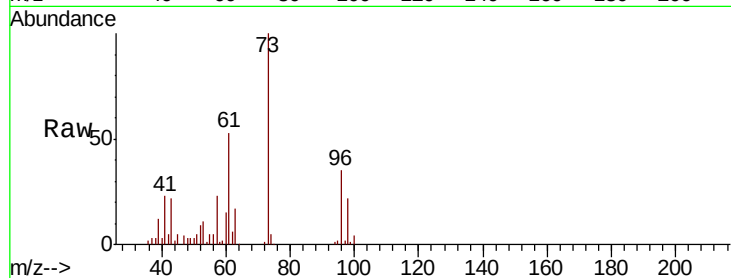
Tot Ion: 96 Resp: 73120

Ion Ratio Lower Upper

96 100

61 152.5 126.7 190.1

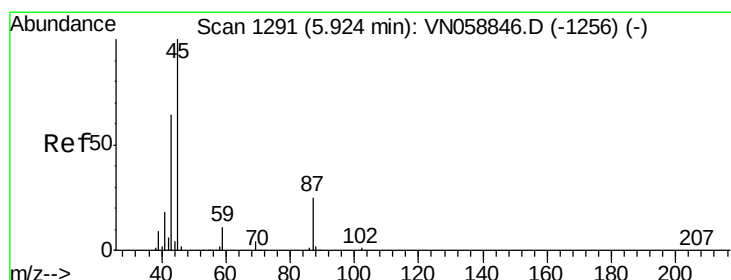
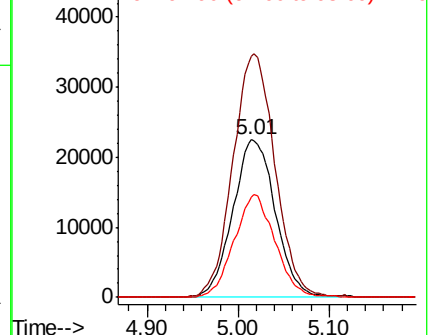
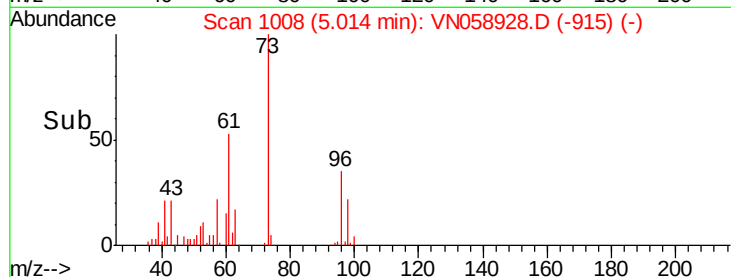
98 63.8 52.0 78.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.858 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Tgt Ion: 45 Resp: 268630

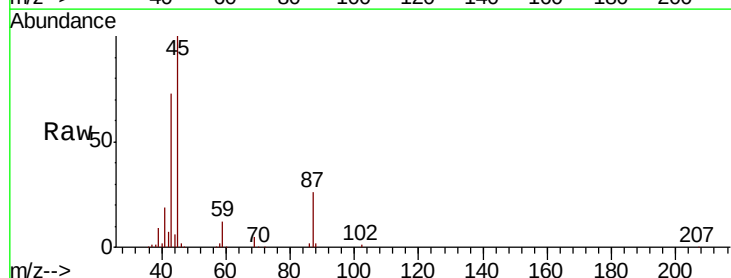
Ion Ratio Lower Upper

45 100

43 70.3 52.9 79.3

87 25.5 20.2 30.4

59 11.5 8.8 13.2

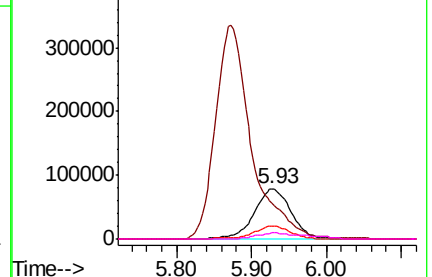
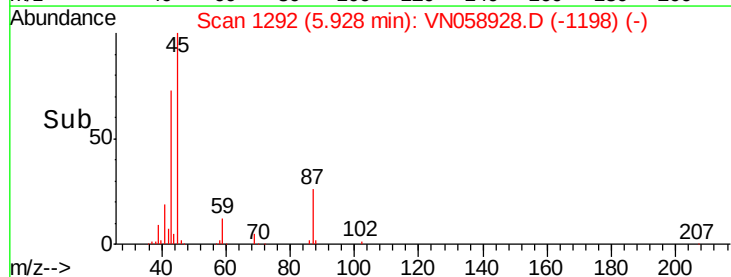


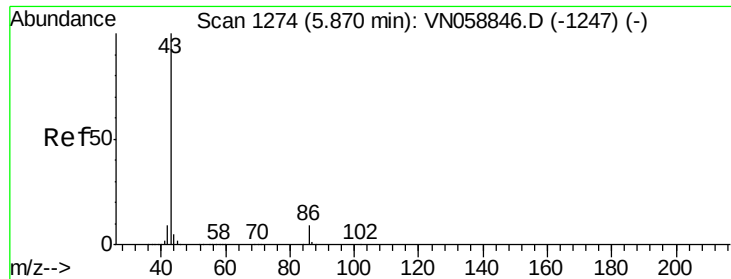
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 108.860 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

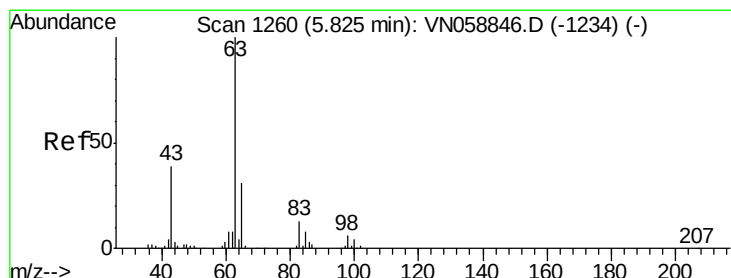
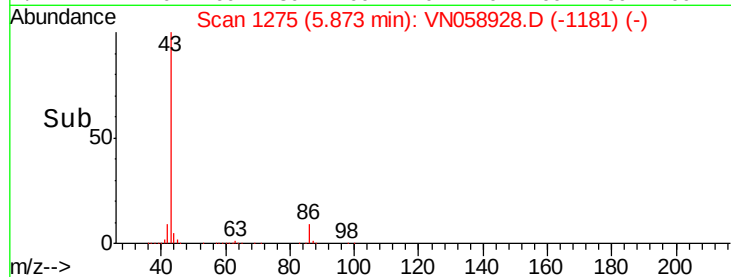
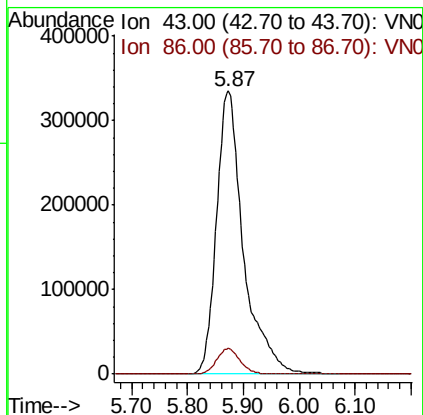
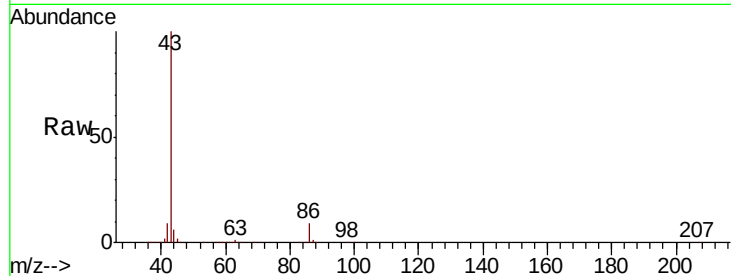
VN1024WBSD01

Tot Ion: 43 Resp: 1126392

Ion Ratio Lower Upper

43 100

86 9.1 7.2 10.8



#24

1,1-Dichloroethane

Concen: 20.524 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

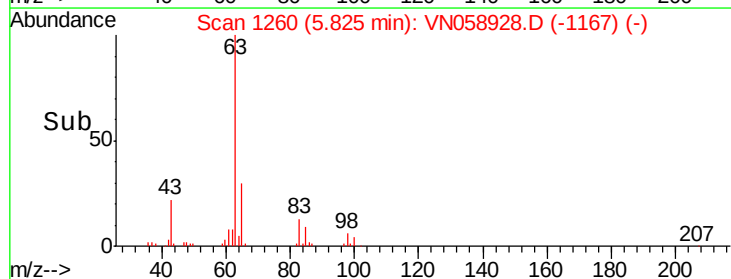
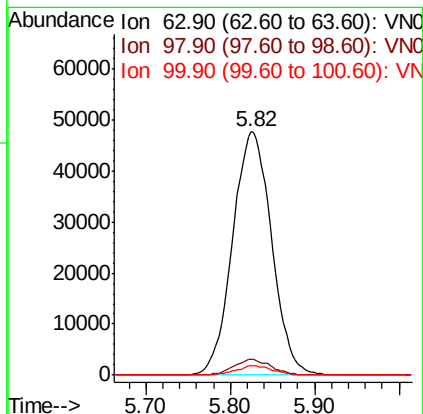
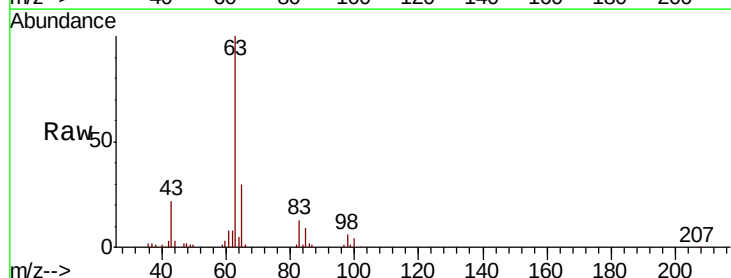
Tgt Ion: 63 Resp: 153264

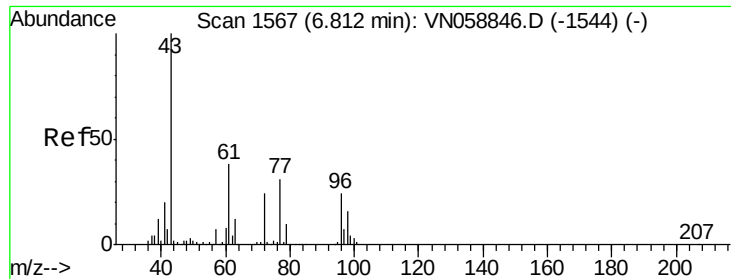
Ion Ratio Lower Upper

63 100

98 6.4 2.8 8.4

100 3.9 1.9 5.7

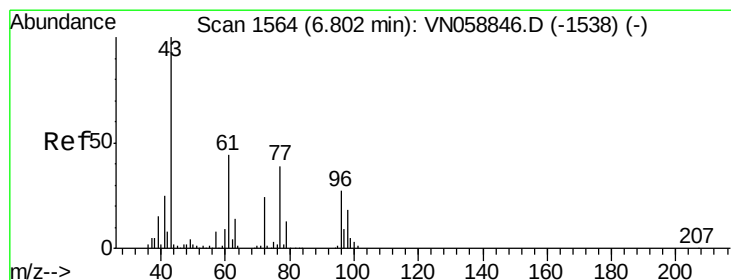
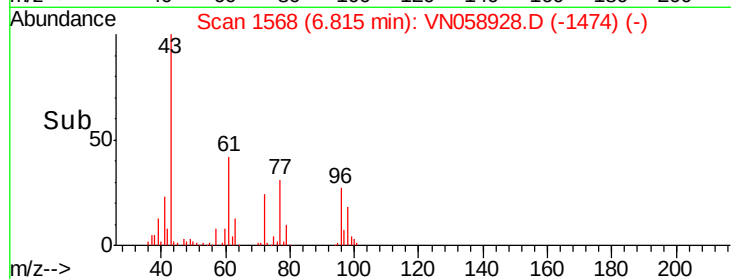
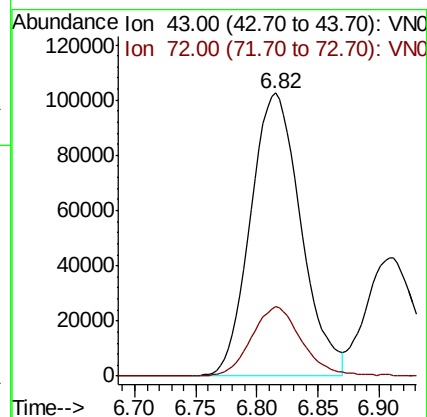
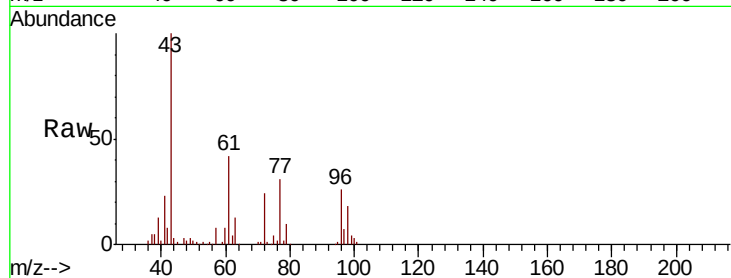




#25
 2-Butanone
 Concen: 94.376 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

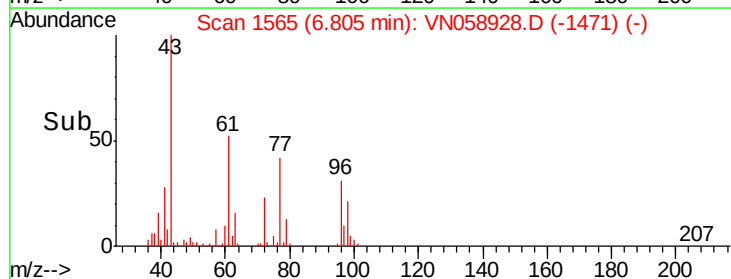
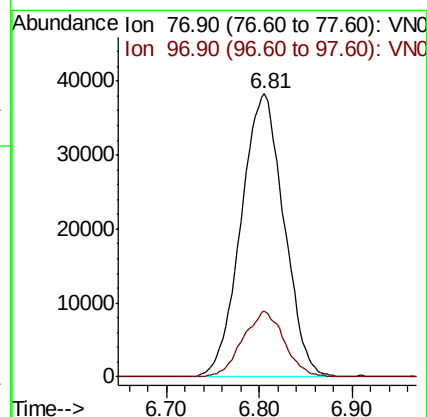
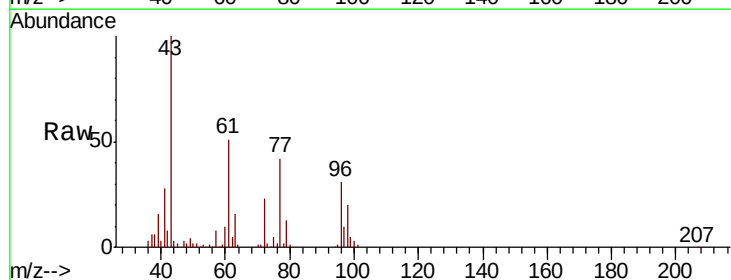
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

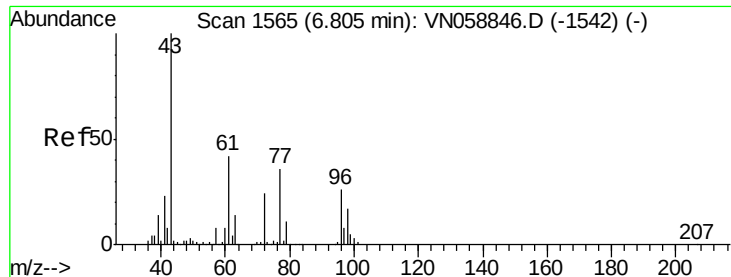
Tot Ion: 43 Resp: 293061
 Ion Ratio Lower Upper
 43 100
 72 24.5 19.1 28.7



#26
 2,2-Dichloropropane
 Concen: 19.053 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Tgt Ion: 77 Resp: 123071
 Ion Ratio Lower Upper
 77 100
 97 22.5 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 20.332 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

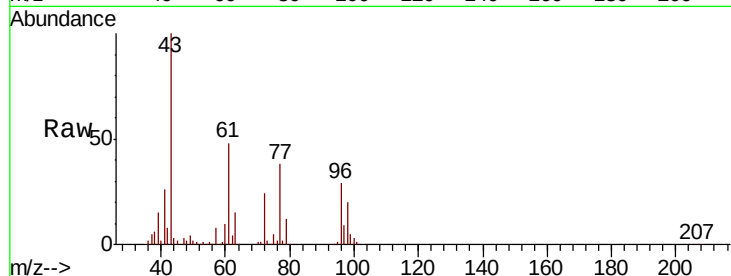
Tot Ion: 96 Resp: 83461

Ion Ratio Lower Upper

96 100

61 162.0 0.0 325.0

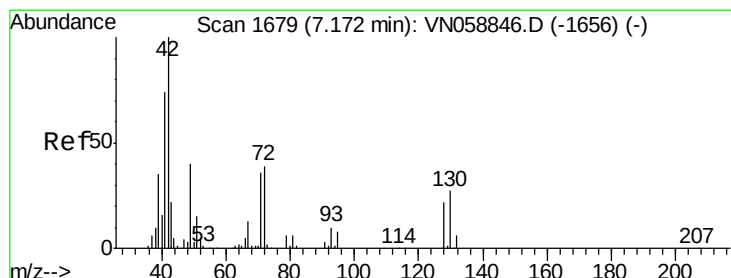
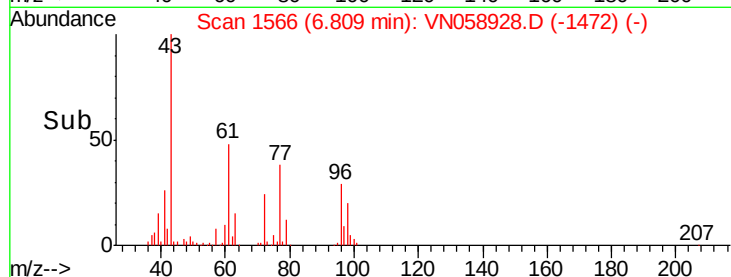
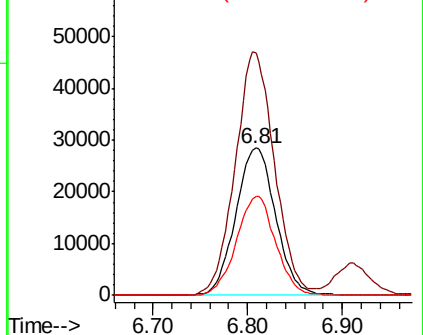
98 65.9 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VN058928.D (-1472) (-)

Ion 60.90 (60.60 to 61.60): VN058928.D (-1472) (-)

Ion 97.90 (97.60 to 98.60): VN058928.D (-1472) (-)



#28

Bromochloromethane

Concen: 20.587 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

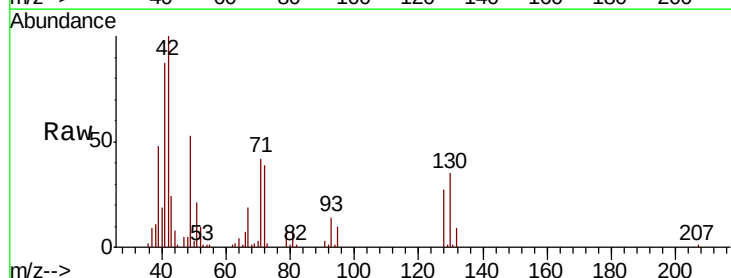
Tgt Ion: 49 Resp: 51200

Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.2

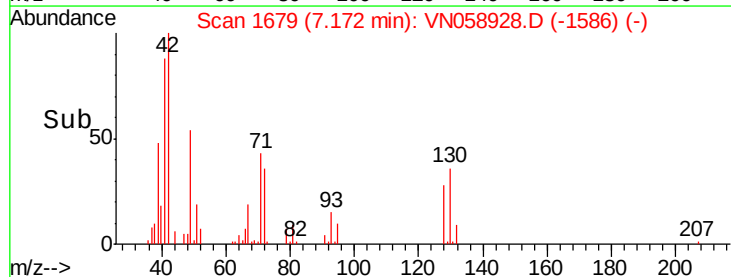
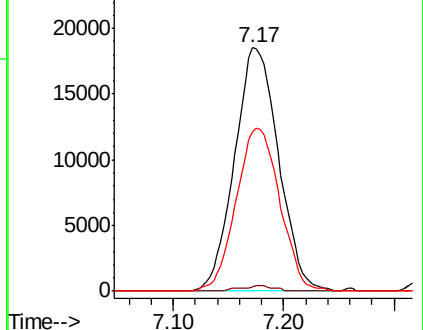
130 66.3 53.5 80.3

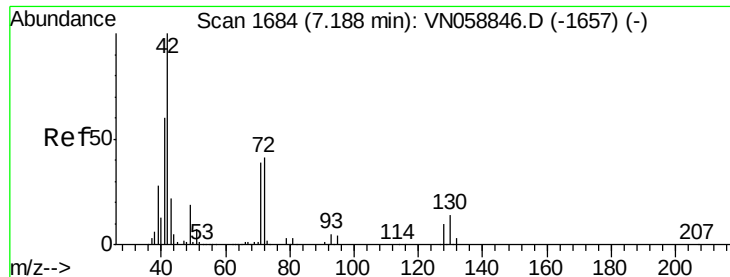


Abundance Ion 48.90 (48.60 to 49.60): VN058928.D (-1586) (-)

Ion 128.80 (128.50 to 129.50): VN058928.D (-1586) (-)

Ion 129.80 (129.50 to 130.50): VN058928.D (-1586) (-)





#29

Tetrahydrofuran

Concen: 101.625 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

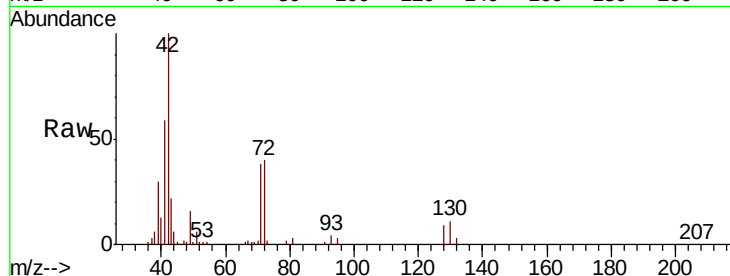
Tot Ion: 42 Resp: 193044

Ion Ratio Lower Upper

42 100

72 40.8 32.2 48.2

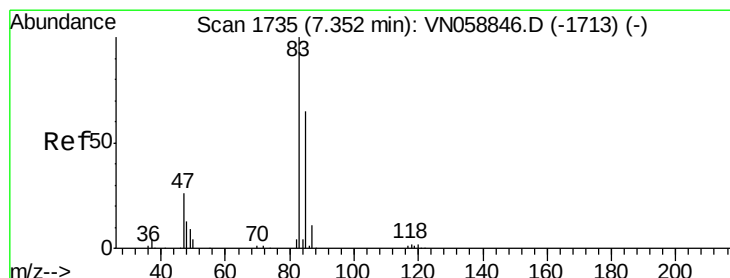
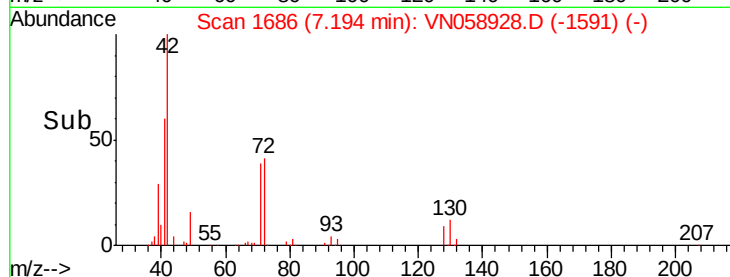
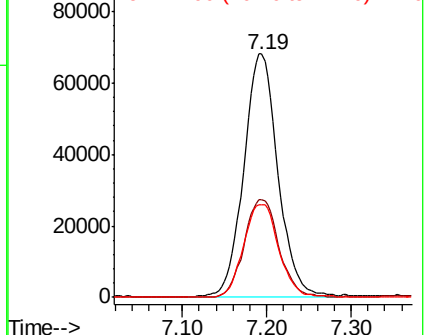
71 38.9 30.6 45.8



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.213 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN058928.D

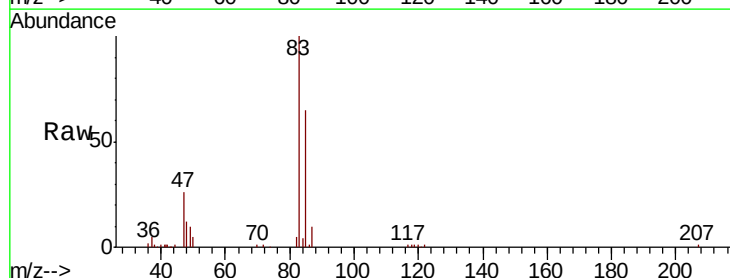
Acq: 23 Oct 2019 14:40

Tgt Ion: 83 Resp: 151414

Ion Ratio Lower Upper

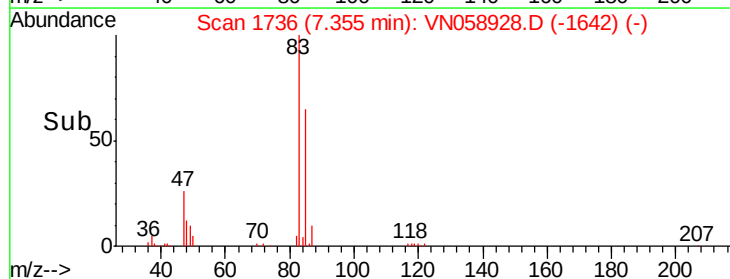
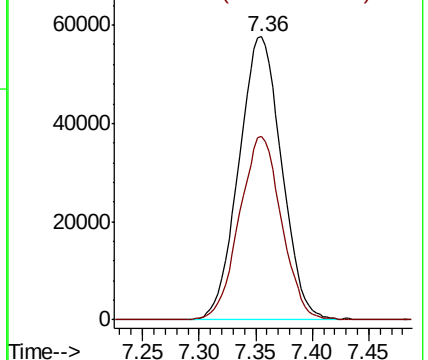
83 100

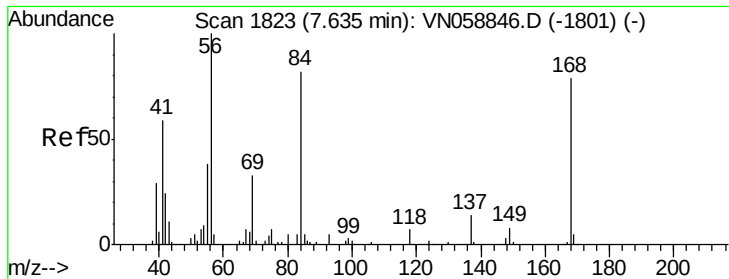
85 64.8 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

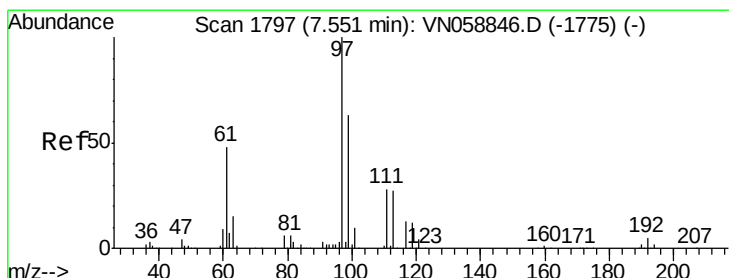
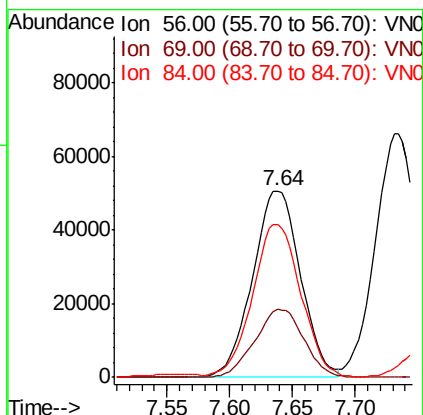
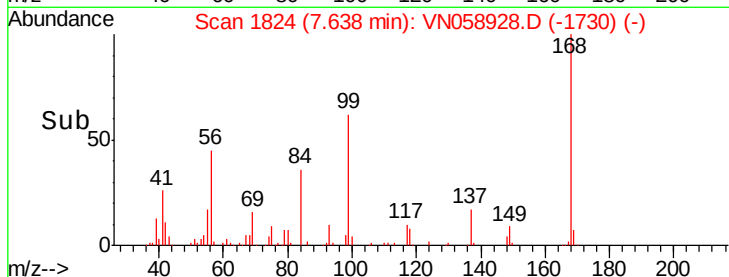
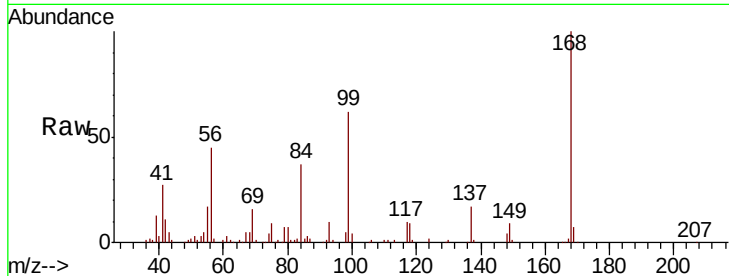




#31
Cyclohexane
Concen: 19.405 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

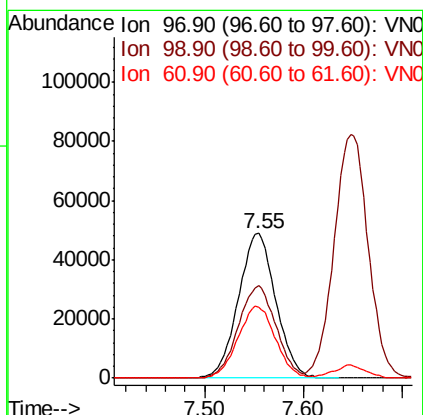
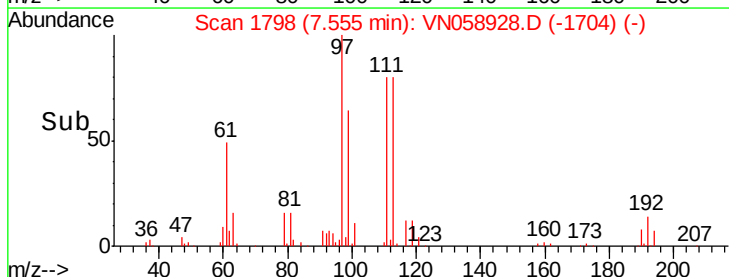
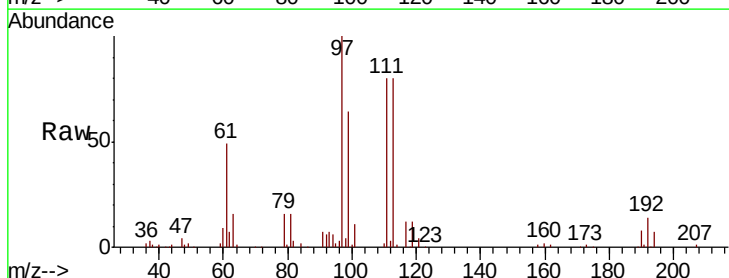
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

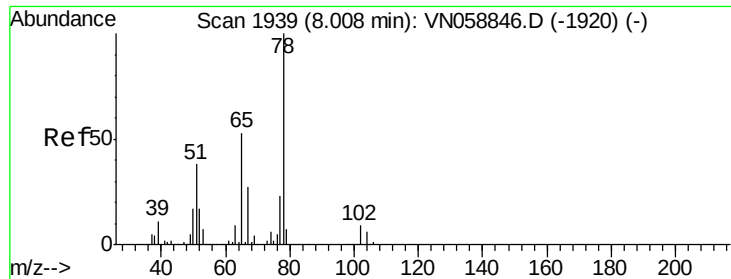
Tot Ion: 56 Resp: 135003
Ion Ratio Lower Upper
56 100
69 36.3 26.2 39.4
84 80.0 65.6 98.4



#32
1,1,1-Trichloroethane
Concen: 20.355 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion: 97 Resp: 128521
Ion Ratio Lower Upper
97 100
99 64.4 51.0 76.4
61 49.9 38.6 58.0

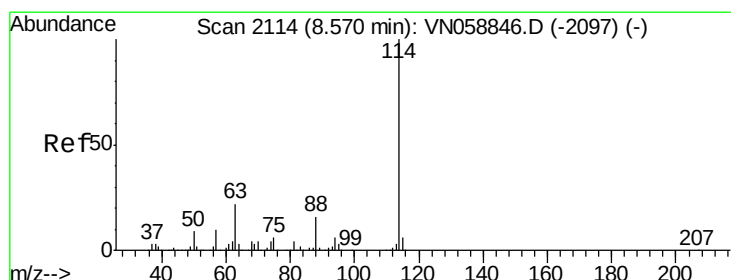
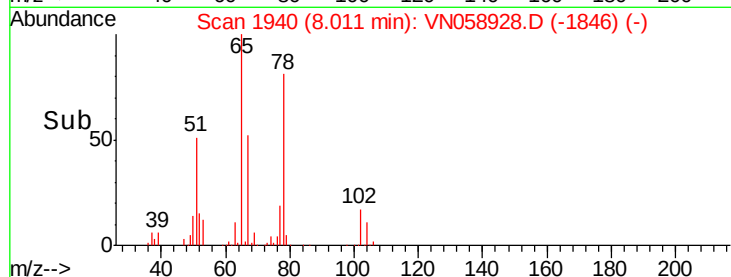
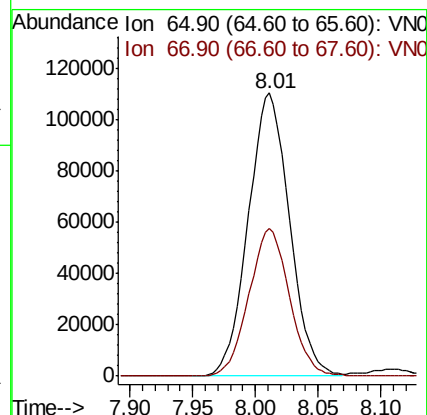
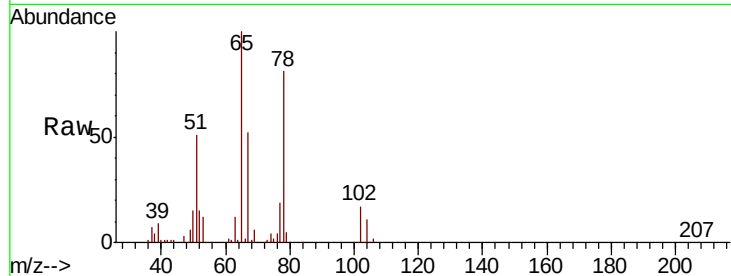




#33
 1,2-Dichloroethane-d4
 Concen: 52.261 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

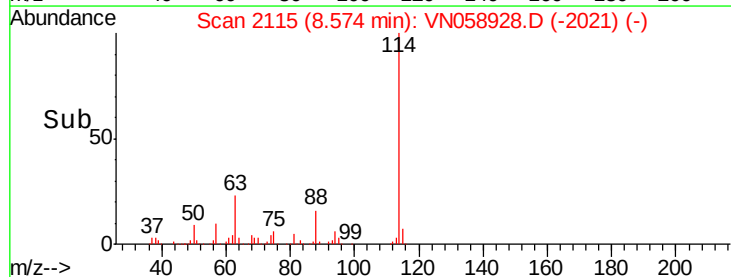
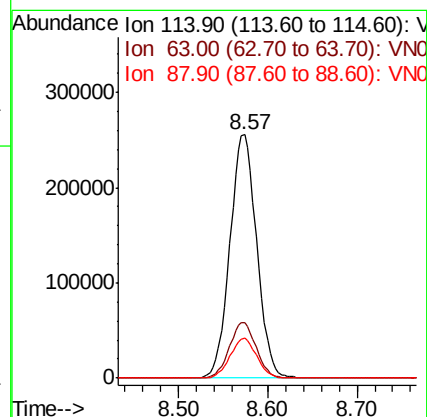
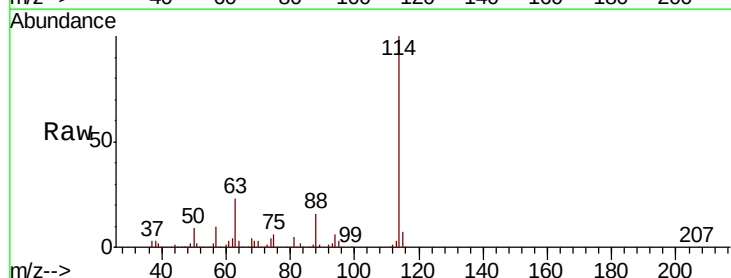
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

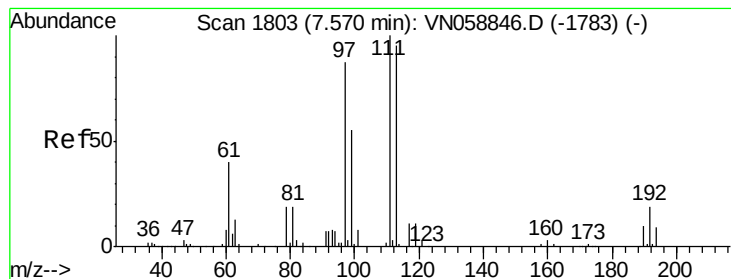
Tot Ion: 65 Resp: 252993
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Tgt Ion: 114 Resp: 531872
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 44.4
 88 16.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.978 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

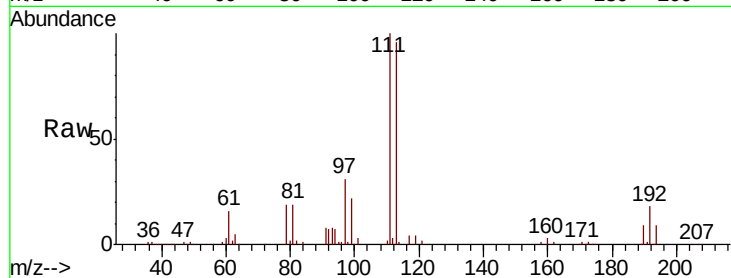
Tot Ion:113 Resp: 181764

Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

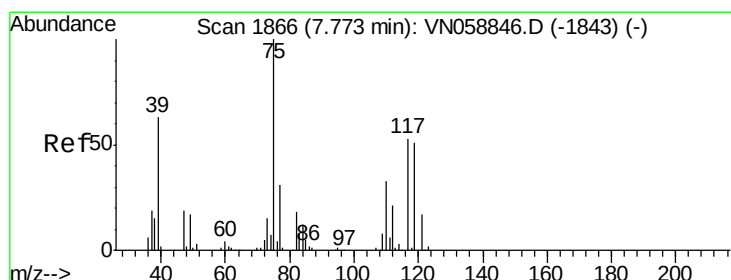
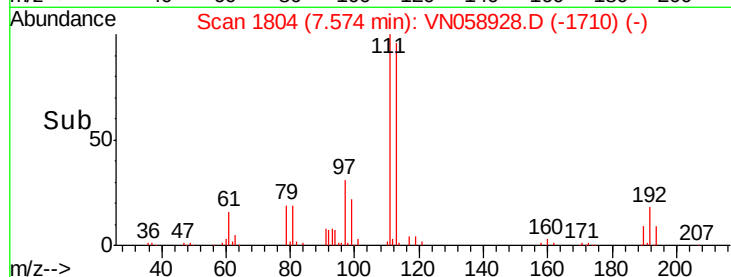
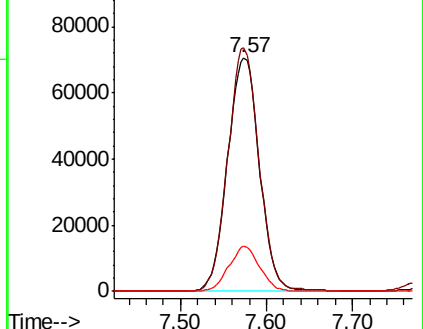
192 18.6 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.107 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

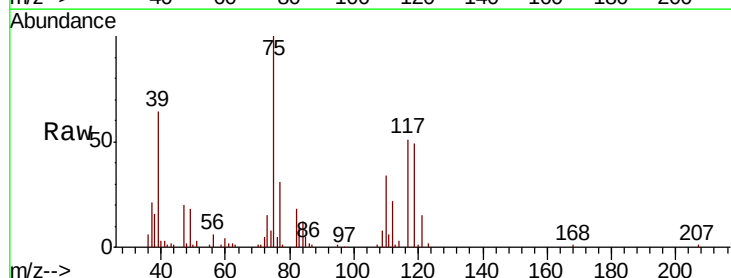
Tgt Ion: 75 Resp: 109487

Ion Ratio Lower Upper

75 100

110 32.0 16.3 48.9

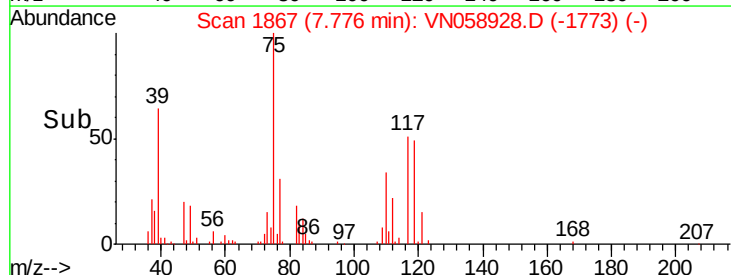
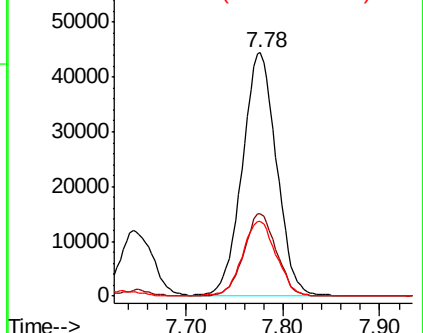
77 30.6 24.6 36.8

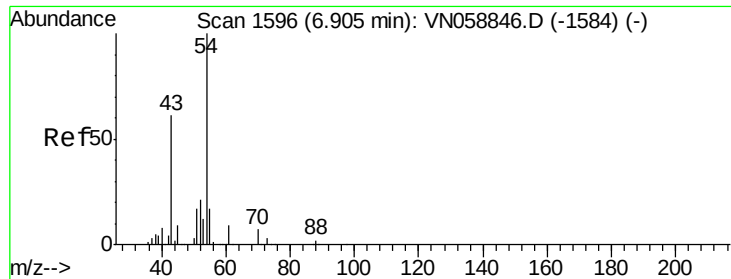


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

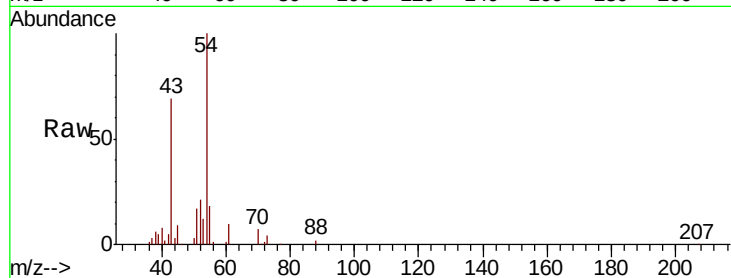




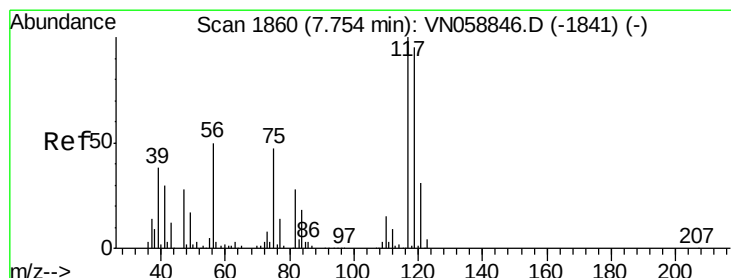
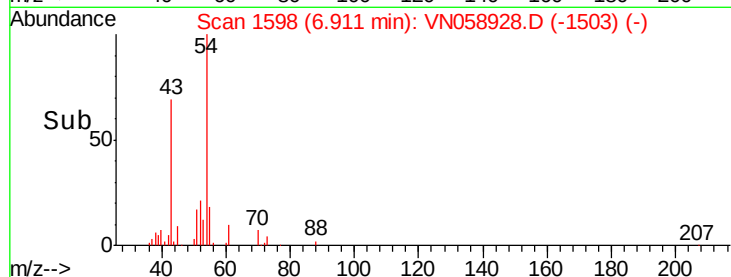
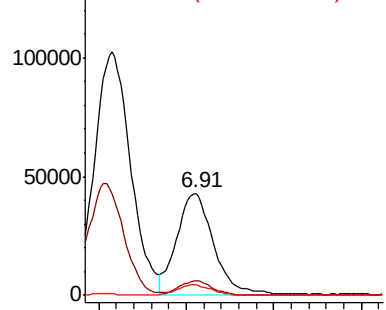
#37
Ethyl Acetate
Concen: 20.981 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.01 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampled :
VN1024WBSD01

Tot Ion: 43 Resp: 124486
Ion Ratio Lower Upper
43 100
61 12.1 10.5 15.7
70 9.5 7.6 11.4

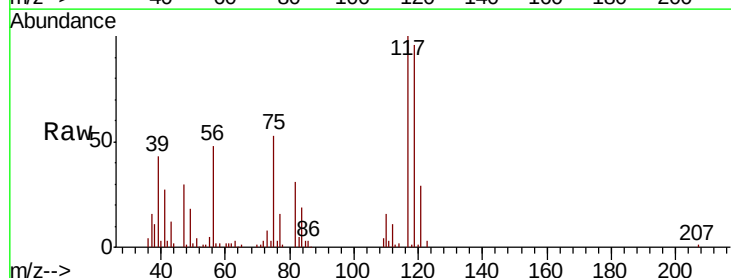


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

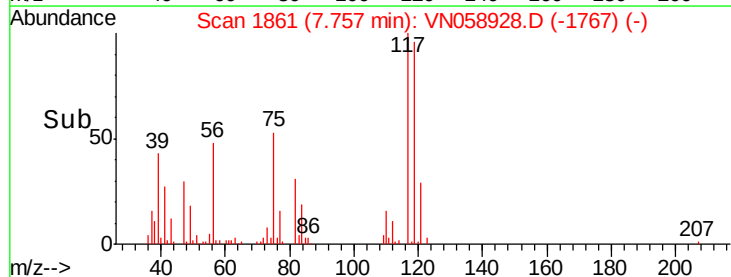
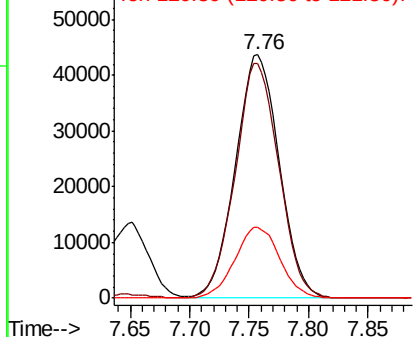


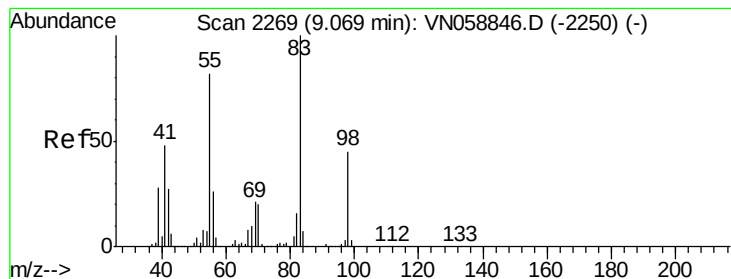
#38
Carbon Tetrachloride
Concen: 19.889 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion: 117 Resp: 111573
Ion Ratio Lower Upper
117 100
119 96.4 75.7 113.5
121 29.1 25.0 37.6



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





#39

Methylvlcyclohexane

Concen: 19.298 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampled :

VN1024WBSD01

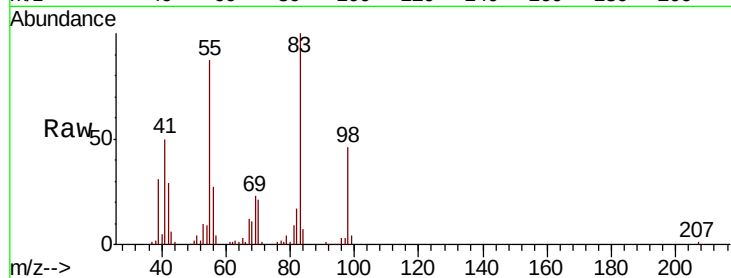
Tot Ion: 83 Resp: 117993

Ion Ratio Lower Upper

83 100

55 86.7 65.5 98.3

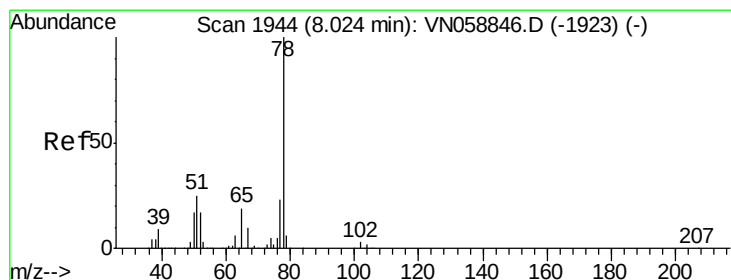
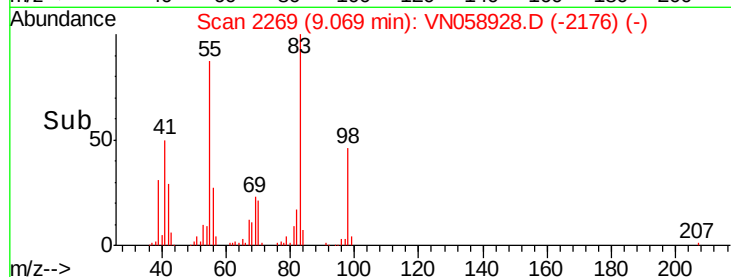
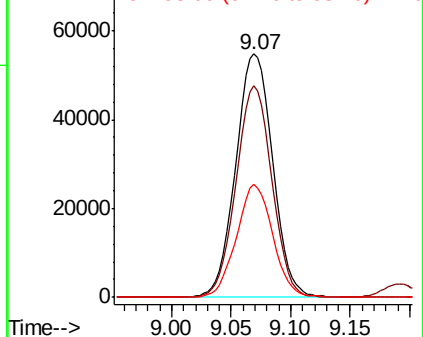
98 46.2 35.7 53.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 20.537 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN058928.D

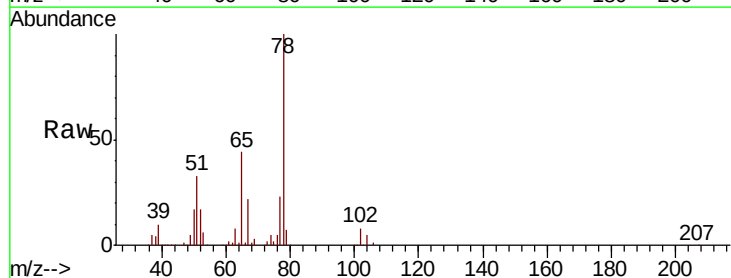
Acq: 23 Oct 2019 14:40

Tgt Ion: 78 Resp: 328386

Ion Ratio Lower Upper

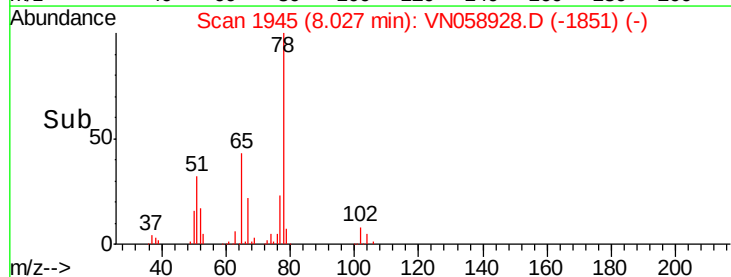
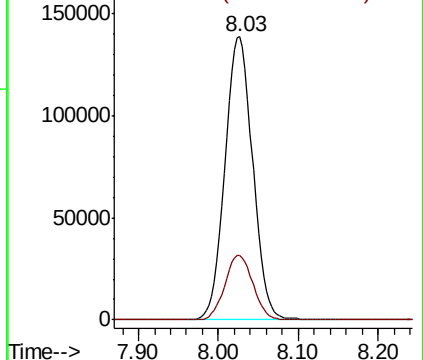
78 100

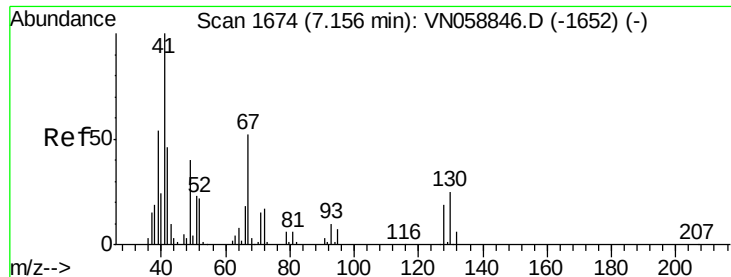
77 23.0 18.2 27.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

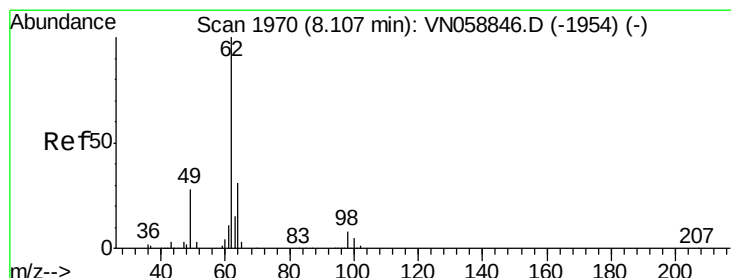
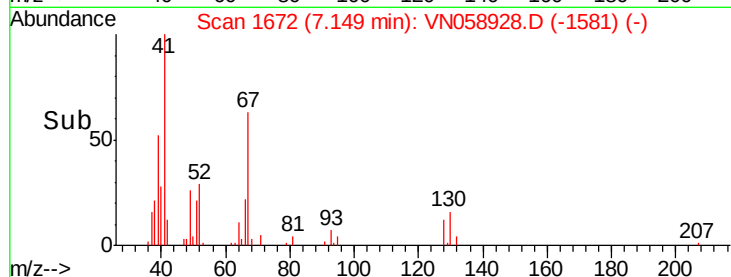
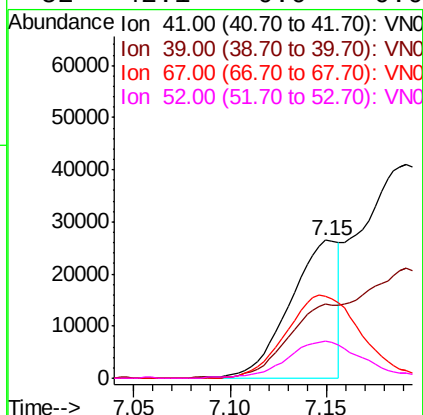
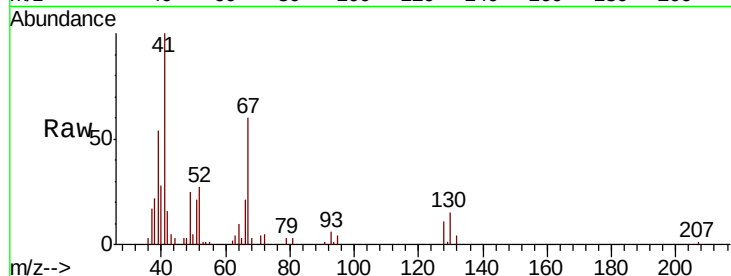




#41
Methacrylonitrile
Concen: 17.555 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

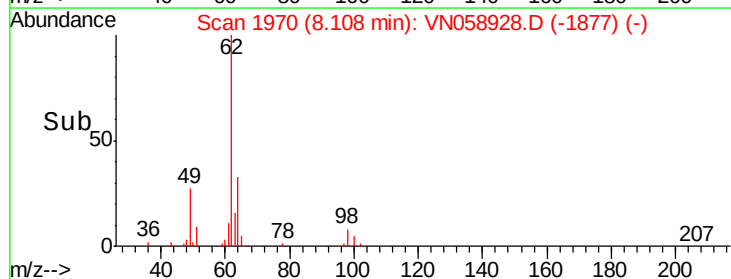
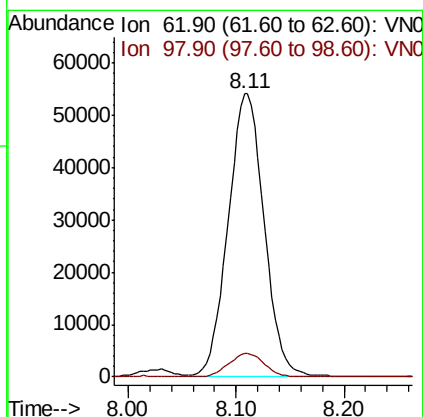
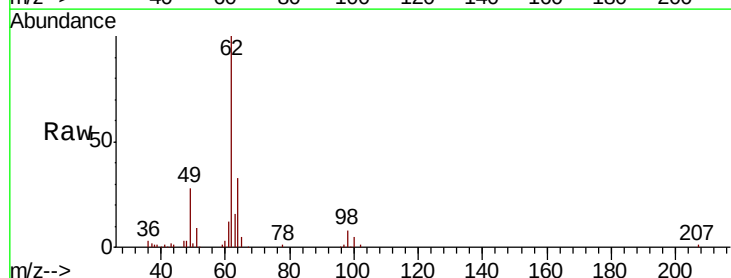
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

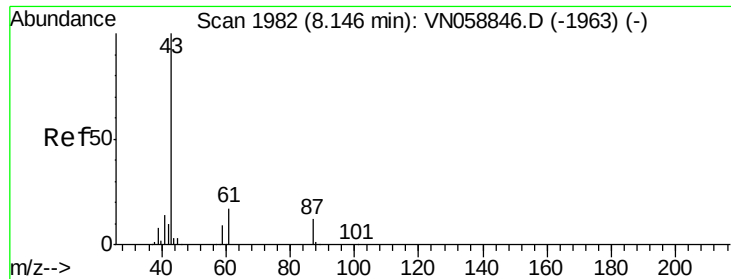
Tot Ion:	41	Resp:	46389
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	93.8	0.0	0.0#
52	42.1	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 20.295 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion:	62	Resp:	125005
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.2





#43

Isopropyl Acetate

Concen: 20.266 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

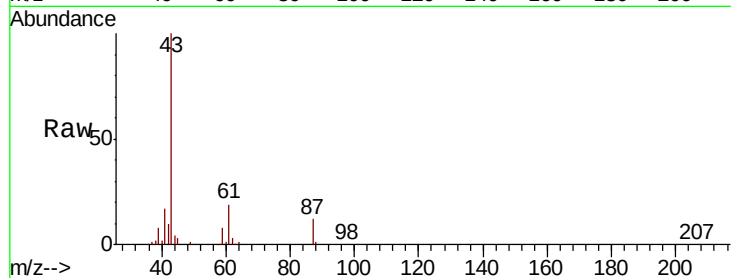
Tot Ion: 43 Resp: 192840

Ion Ratio Lower Upper

43 100

61 18.6 20.2 30.2#

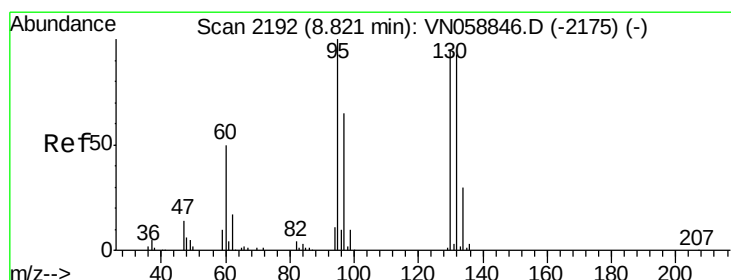
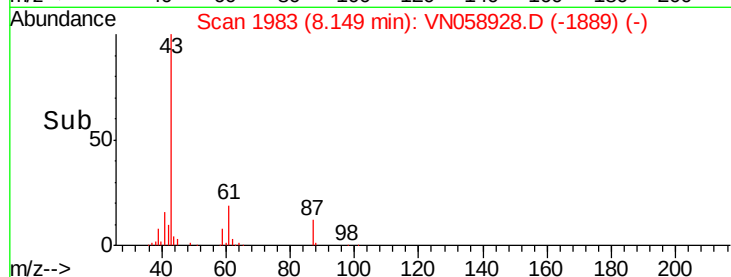
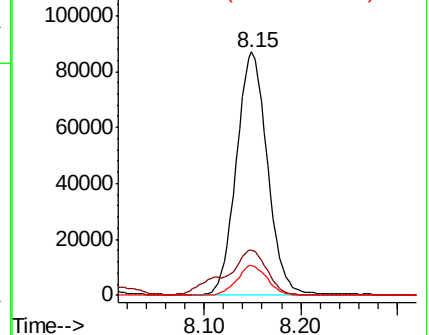
87 12.1 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN058846.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN058846.D (-1963) (-)



#44

Trichloroethene

Concen: 19.828 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058928.D

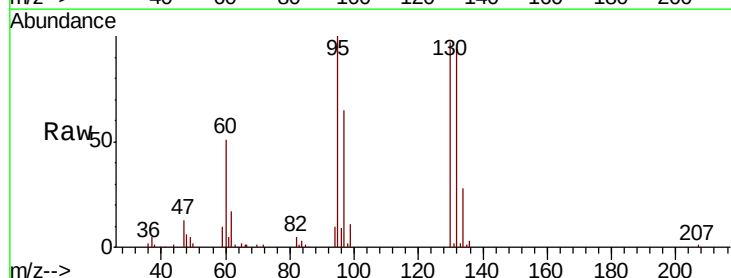
Acq: 23 Oct 2019 14:40

Tgt Ion:130 Resp: 77233

Ion Ratio Lower Upper

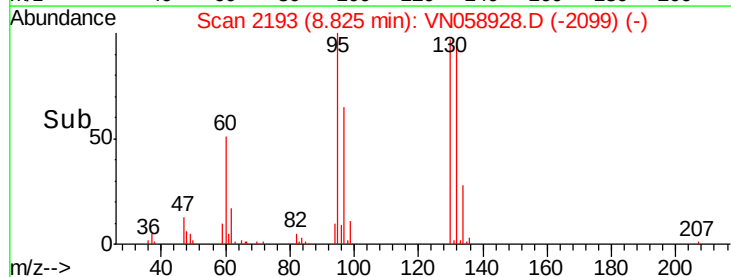
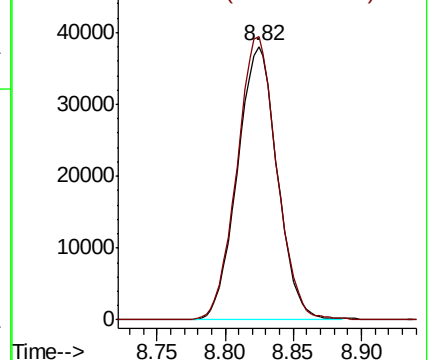
130 100

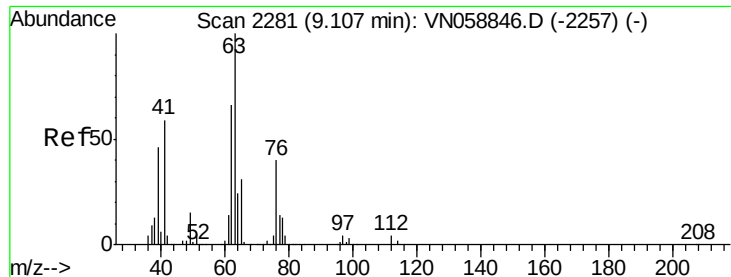
95 103.5 0.0 209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058846.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN058846.D (-2175) (-)

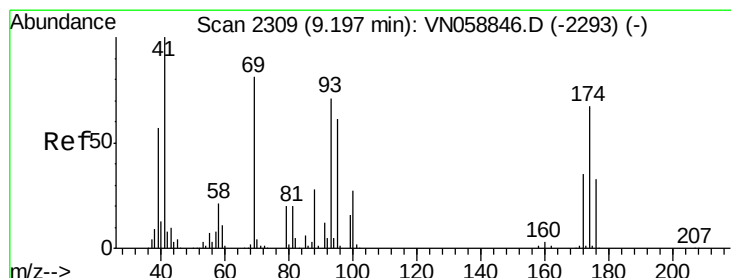
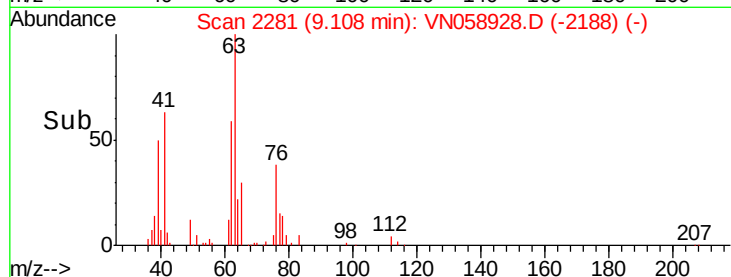
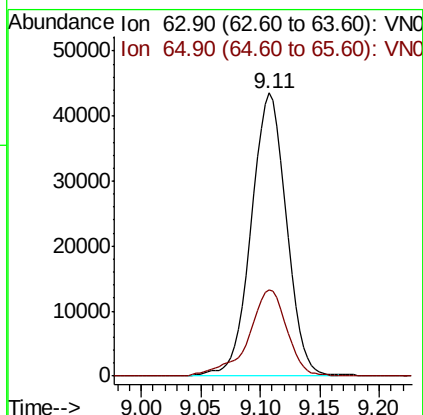
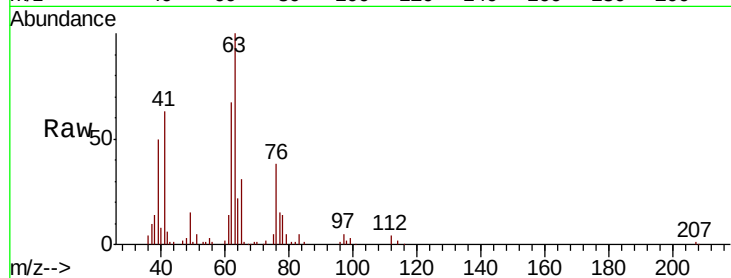




#45
 1,2-Dichloropropane
 Concen: 20.356 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

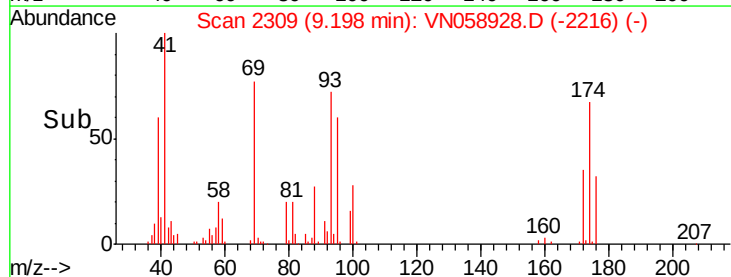
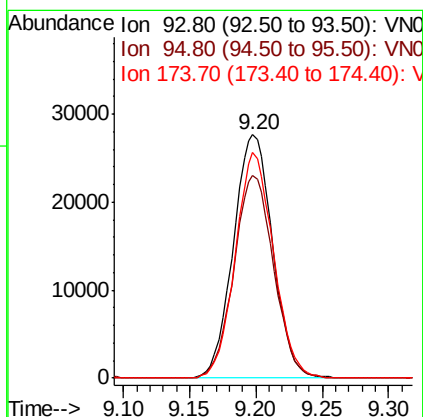
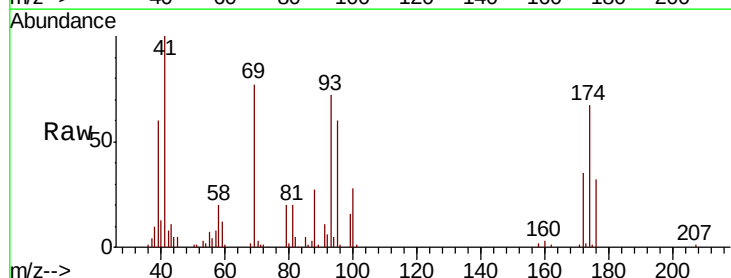
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

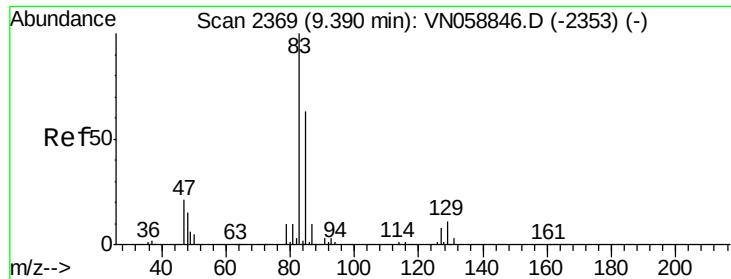
Tot Ion: 63 Resp: 89252
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.5 36.7



#46
 Dibromomethane
 Concen: 20.574 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Tgt Ion: 93 Resp: 57028
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.6 101.4
 174 90.1 74.1 111.1

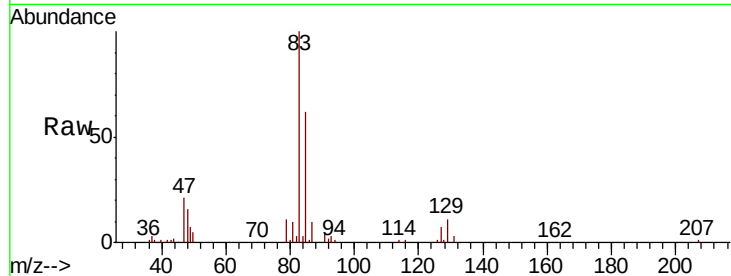




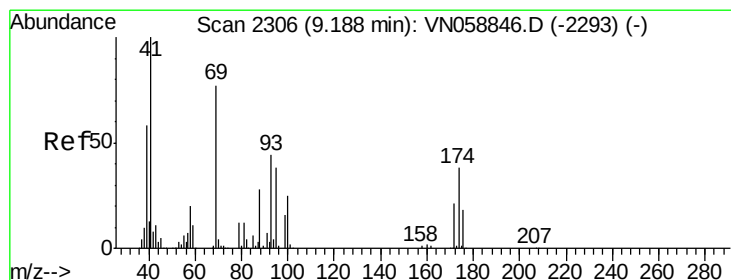
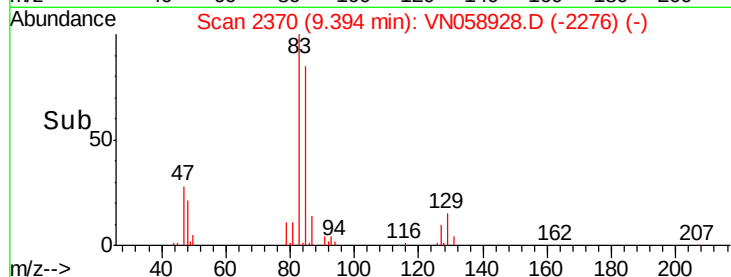
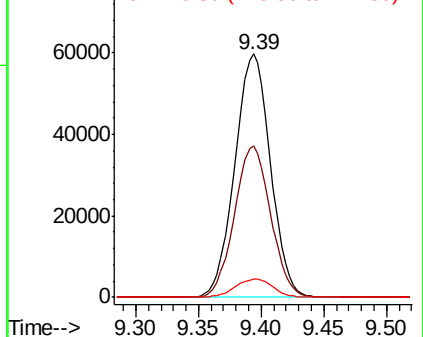
#47
Bromodichloromethane
Concen: 20.672 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion: 83 Resp: 118099
Ion Ratio Lower Upper
83 100
85 62.0 50.6 75.8
127 7.4 6.5 9.7

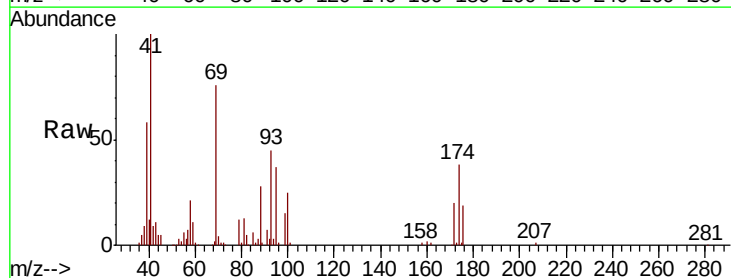


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

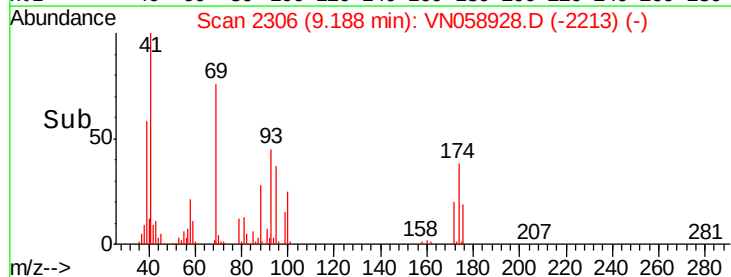
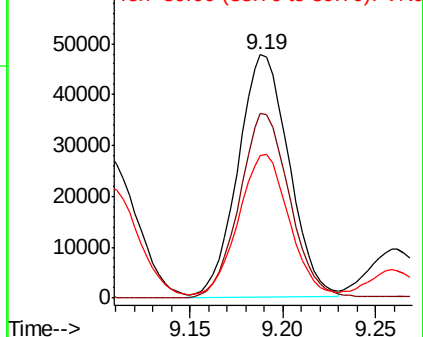


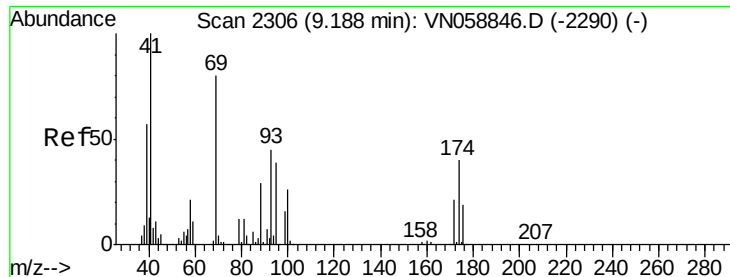
#48
Methyl methacrylate
Concen: 21.106 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion: 41 Resp: 91121
Ion Ratio Lower Upper
41 100
69 75.6 63.8 95.6
39 58.9 47.8 71.8



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





#49

1,4-Dioxane

Concen: 387.069 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

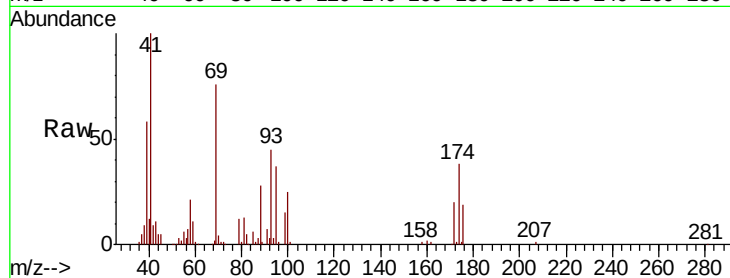
Tot Ion: 88 Resp: 27432

Ion Ratio Lower Upper

88 100

43 40.1 29.1 43.7

58 74.5 59.4 89.0

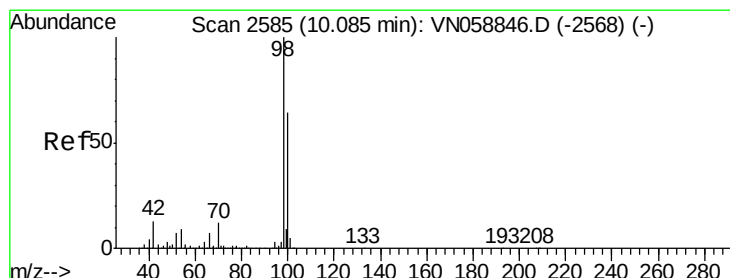
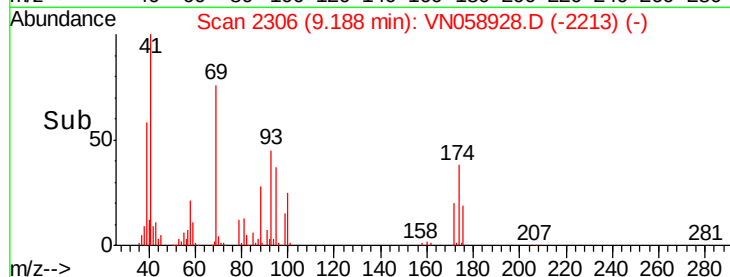
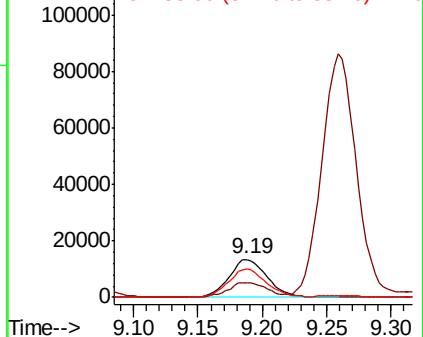


Abundance

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: 51.576 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058928.D

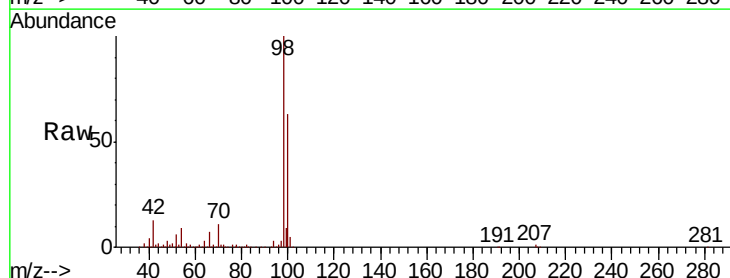
Acq: 23 Oct 2019 14:40

Tgt Ion: 98 Resp: 700127

Ion Ratio Lower Upper

98 100

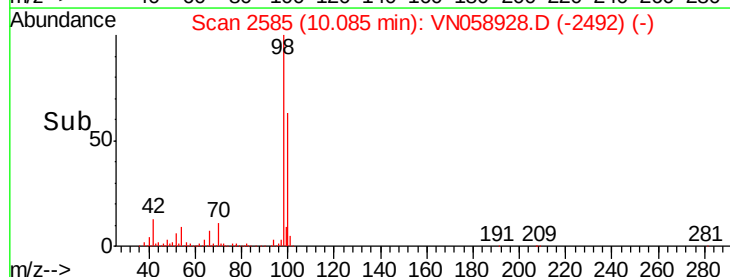
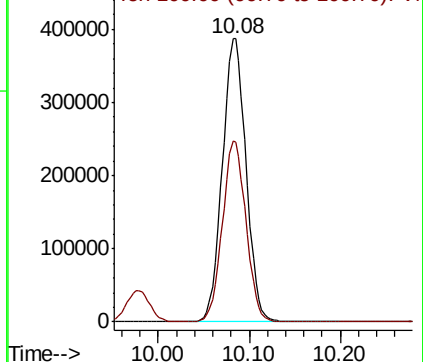
100 63.2 51.4 77.2

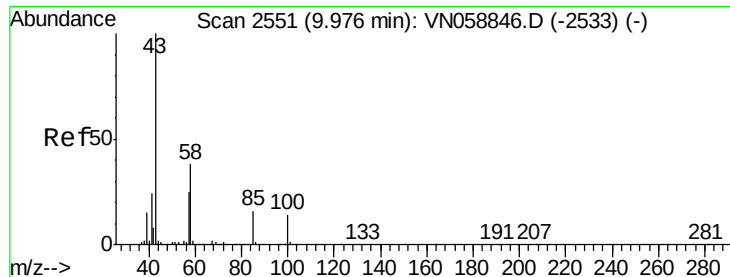


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 110.083 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

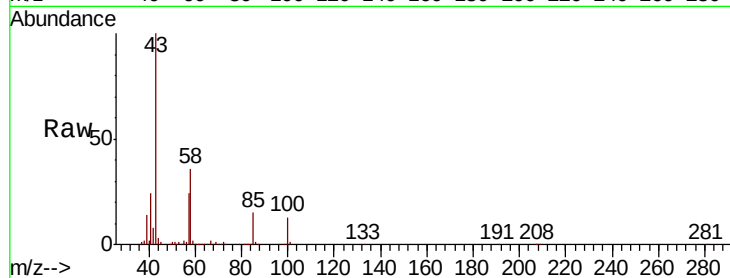
VN1024WBSD01

Tot Ion: 43 Resp: 611845

Ion Ratio Lower Upper

43 100

58 36.5 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)

9.98

300000

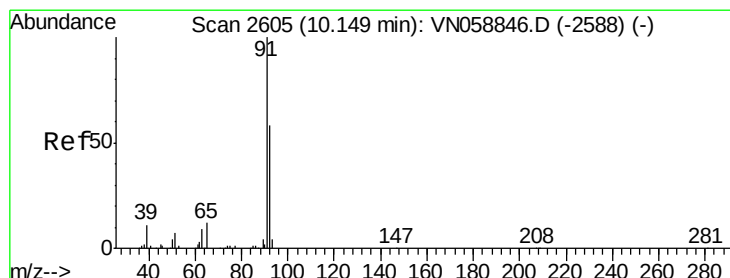
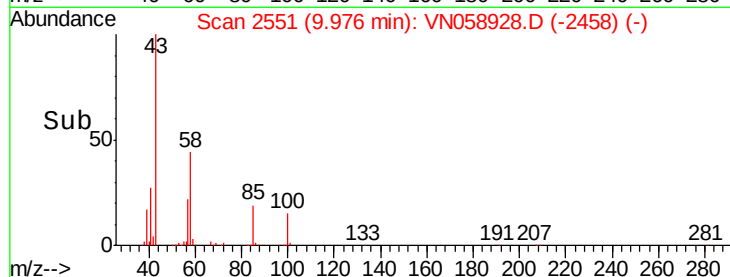
200000

100000

0

Time-->

9.90 10.00



#52

Toluene

Concen: 20.905 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058928.D

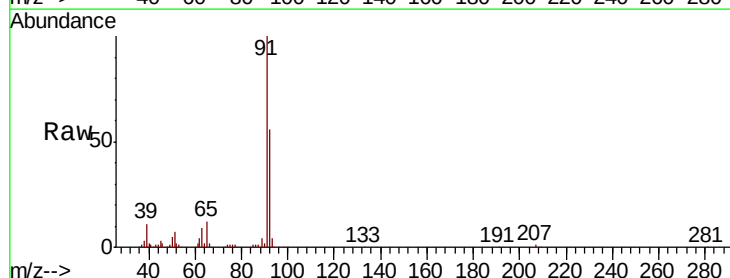
Acq: 23 Oct 2019 14:40

Tgt Ion: 92 Resp: 198230

Ion Ratio Lower Upper

92 100

91 174.4 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058846.D (-2588) (-)

10.15

200000

150000

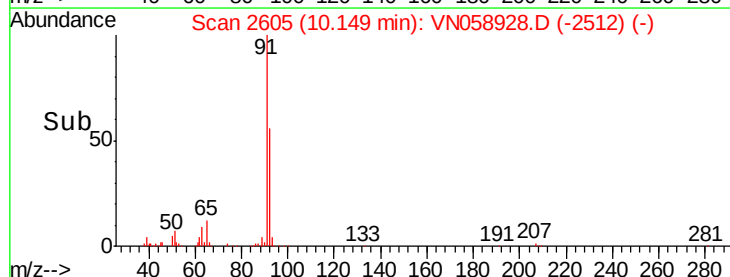
100000

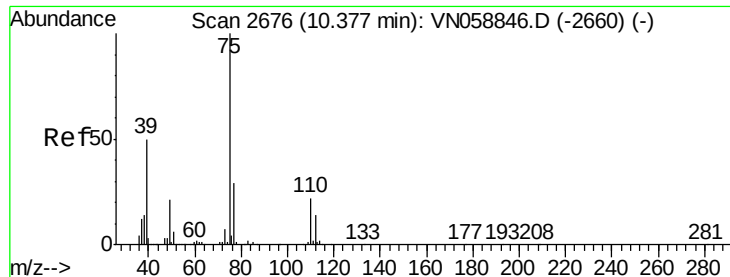
50000

0

Time-->

10.05 10.10 10.15 10.20





#53

t-1,3-Dichloropropene

Concen: 20.047 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

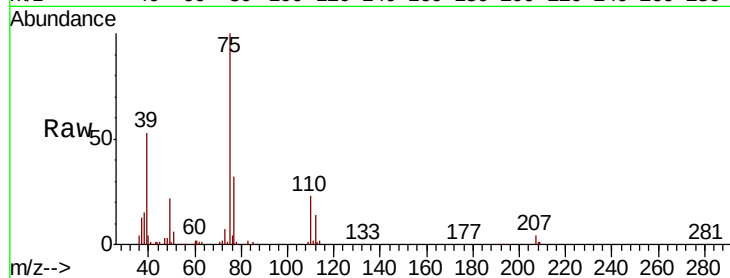
VN1024WBSD01

Tot Ion: 75 Resp: 126788

Ion Ratio Lower Upper

75 100

77 31.0 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

60000

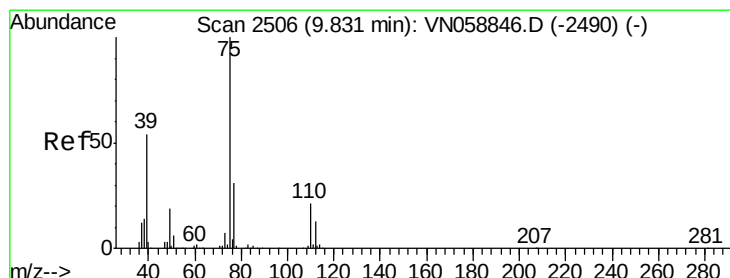
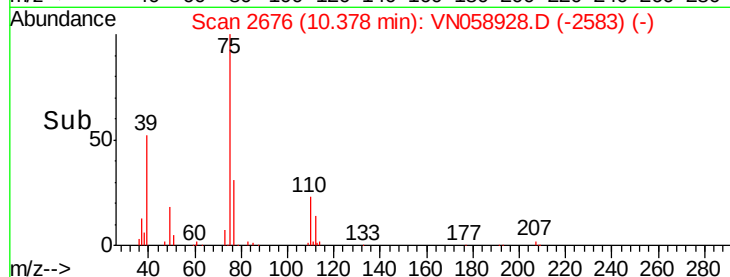
40000

20000

0

10.30 10.40 10.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.019 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

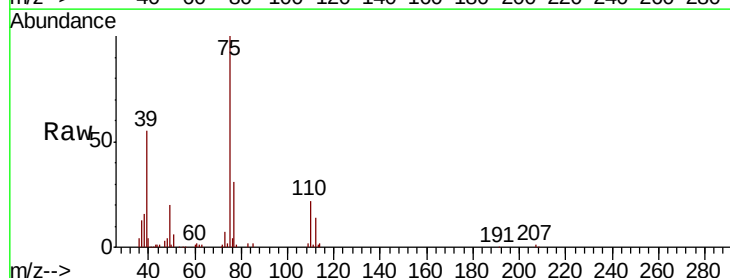
Tgt Ion: 75 Resp: 135268

Ion Ratio Lower Upper

75 100

77 31.0 24.7 37.1

39 55.0 43.5 65.3



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

100000

80000

60000

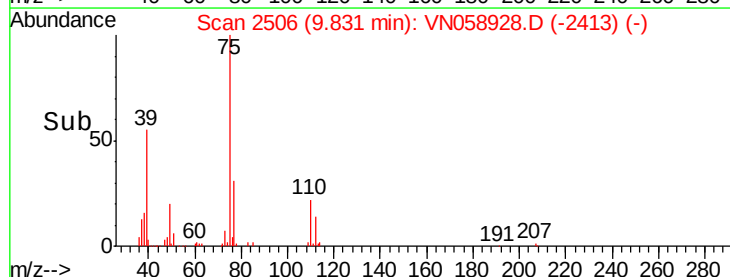
40000

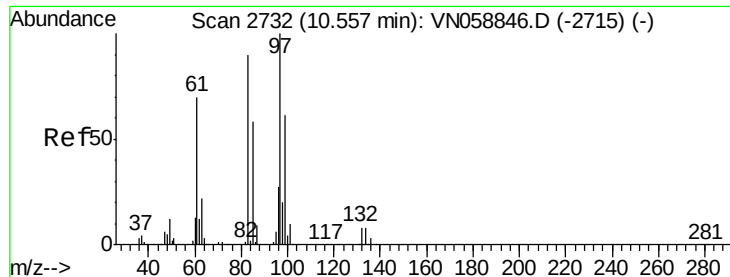
20000

0

9.75 9.80 9.85 9.90

Time-->

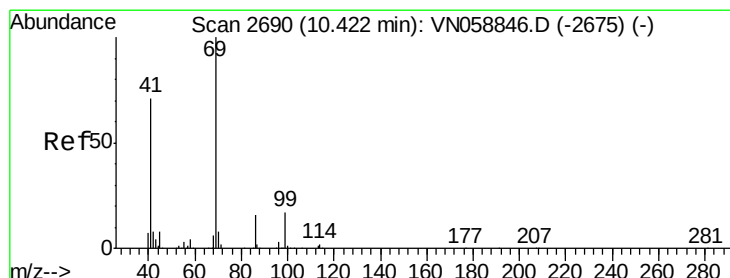
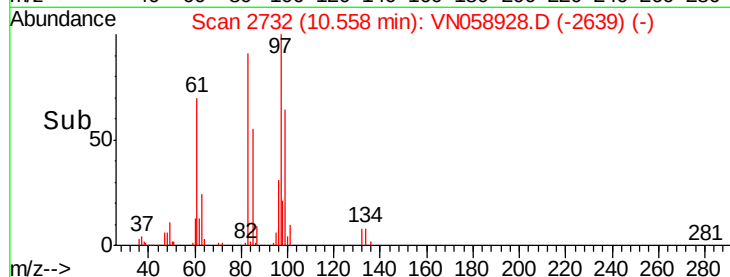
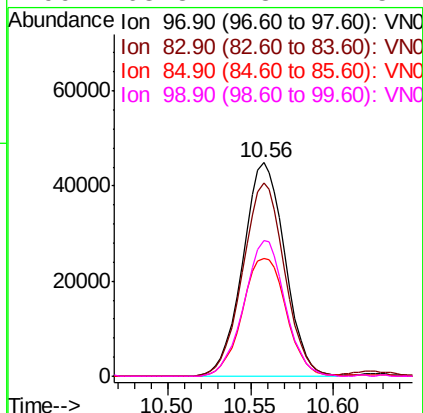
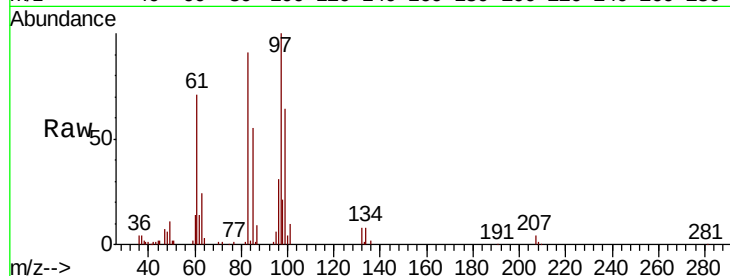




#55
 1,1,2-Trichloroethane
 Concen: 20.402 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

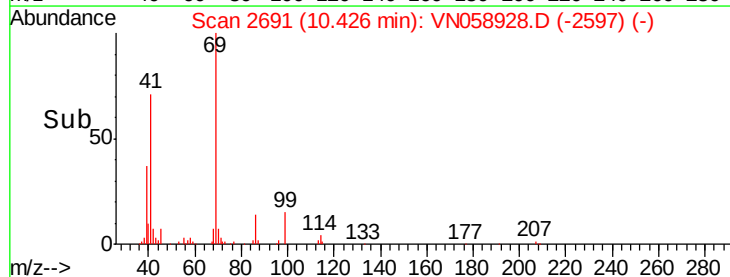
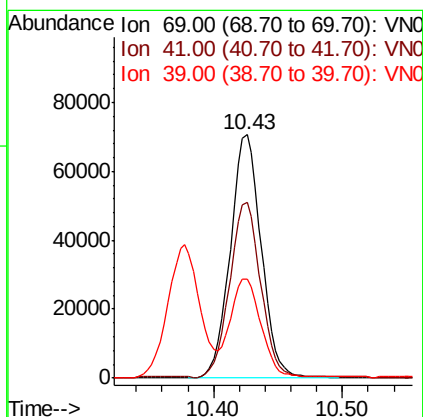
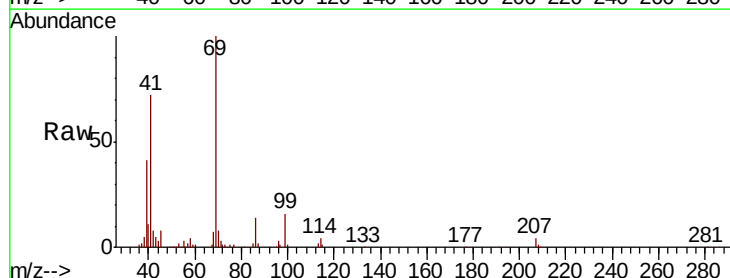
Instrument :
 MSVOA_N
 ClientSampled :
 VN1024WBSD01

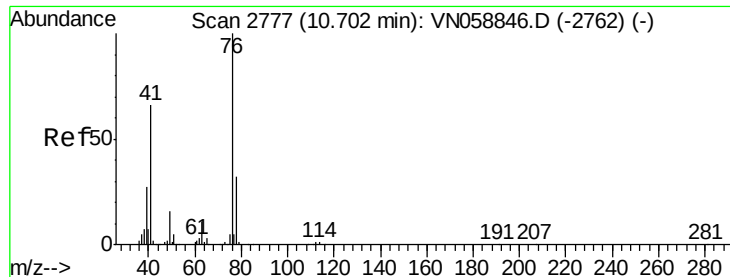
Tot Ion: 97 Resp: 79696
 Ion Ratio Lower Upper
 97 100
 83 90.6 72.2 108.4
 85 55.5 46.2 69.2
 99 63.8 48.7 73.1



#56
 Ethyl methacrylate
 Concen: 19.271 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Tgt Ion: 69 Resp: 117618
 Ion Ratio Lower Upper
 69 100
 41 71.7 57.2 85.8
 39 39.9 31.0 46.4





#57

1,3-Dichloropropane

Concen: 20.189 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

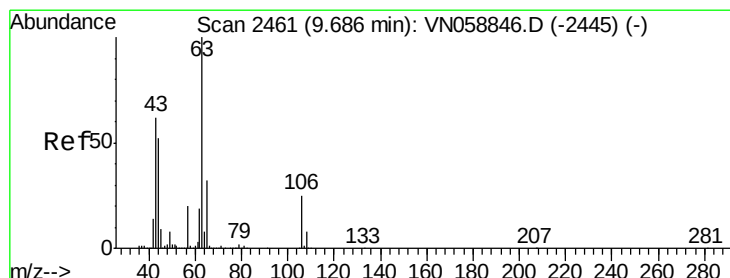
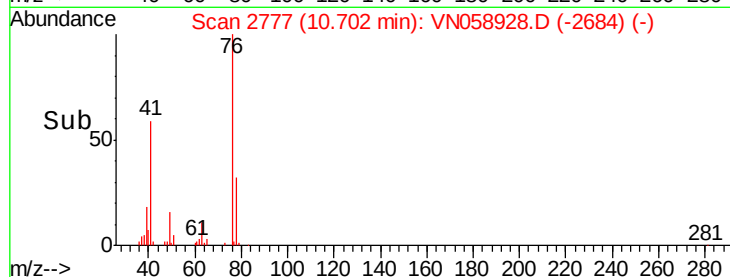
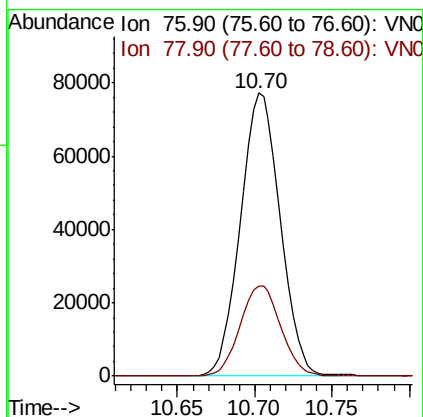
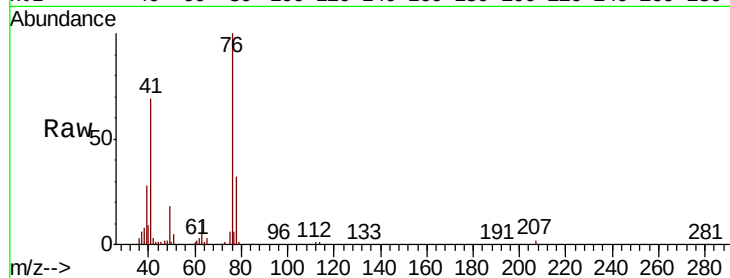
VN1024WBSD01

Tot Ion: 76 Resp: 138413

Ion Ratio Lower Upper

76 100

78 32.6 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 93.115 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058928.D

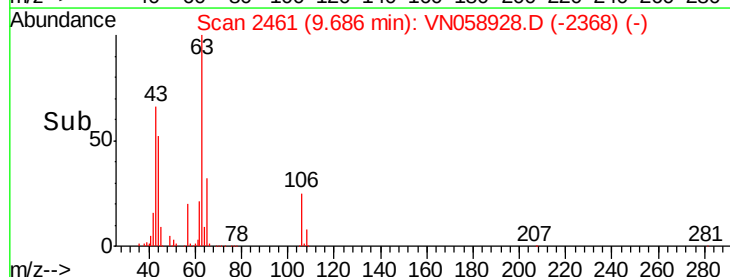
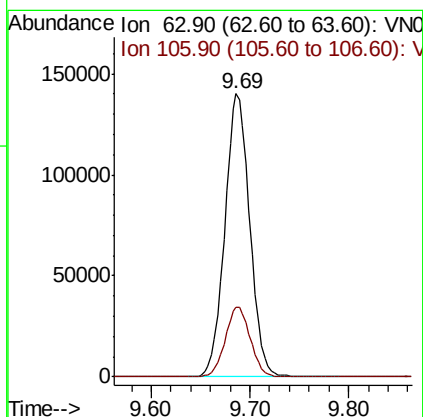
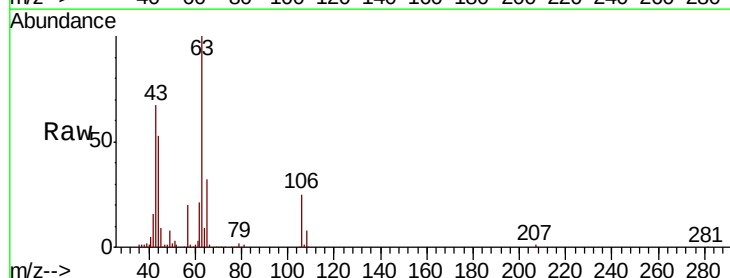
Acq: 23 Oct 2019 14:40

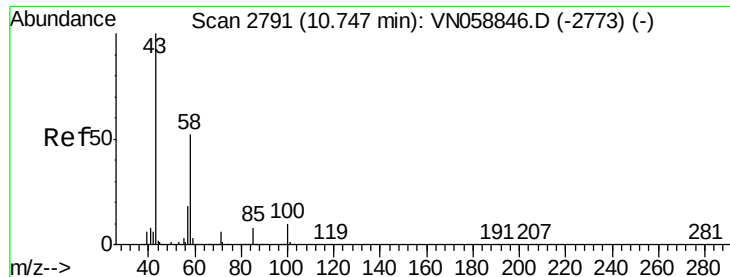
Tgt Ion: 63 Resp: 247927

Ion Ratio Lower Upper

63 100

106 24.8 19.8 29.8

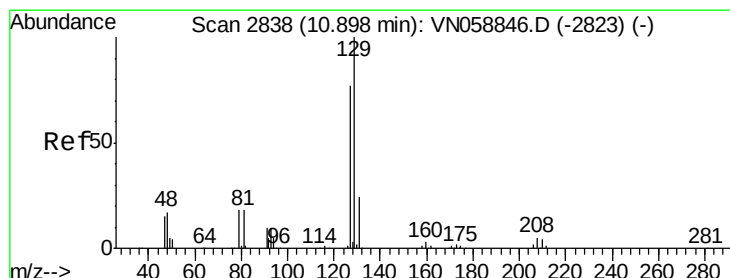
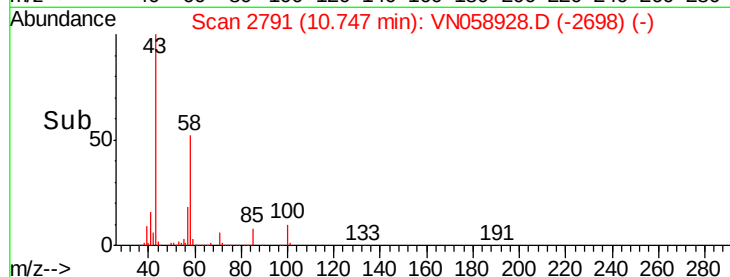
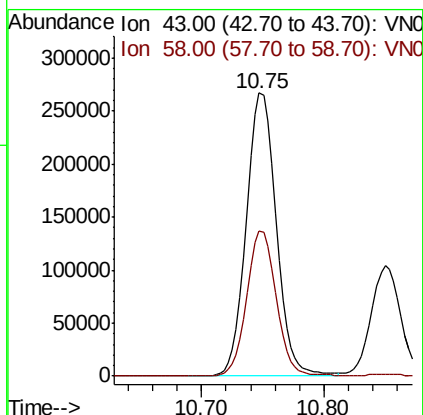
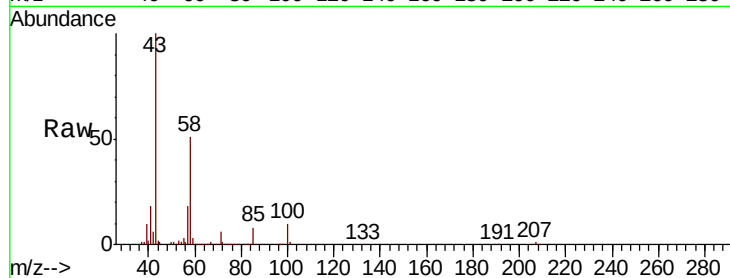




#59
2-Hexanone
Concen: 104.437 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

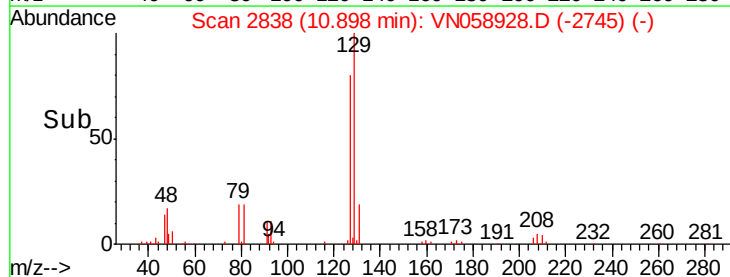
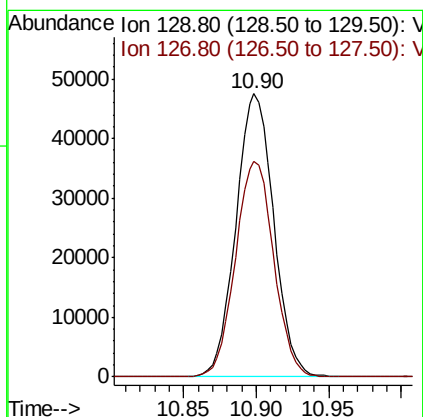
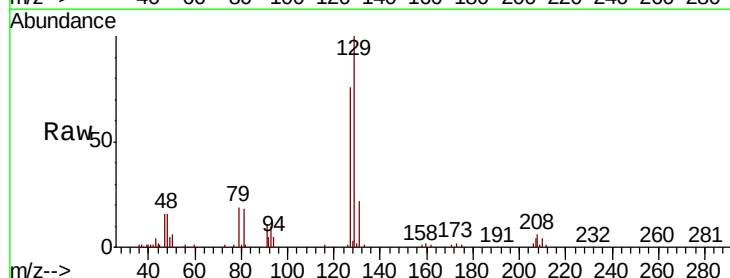
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

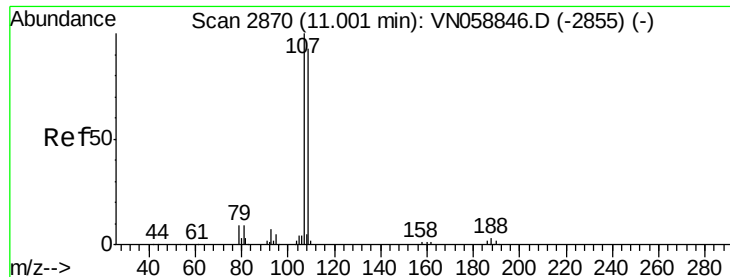
Tot Ion: 43 Resp: 448543
Ion Ratio Lower Upper
43 100
58 50.7 25.9 77.7



#60
Dibromochloromethane
Concen: 20.467 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion: 129 Resp: 86052
Ion Ratio Lower Upper
129 100
127 77.2 39.1 117.3

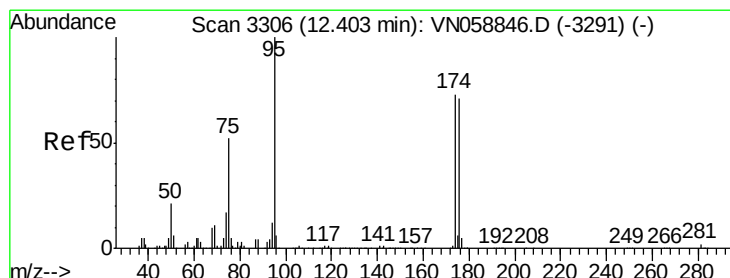
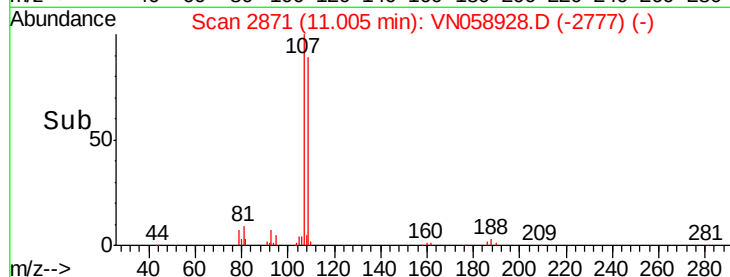
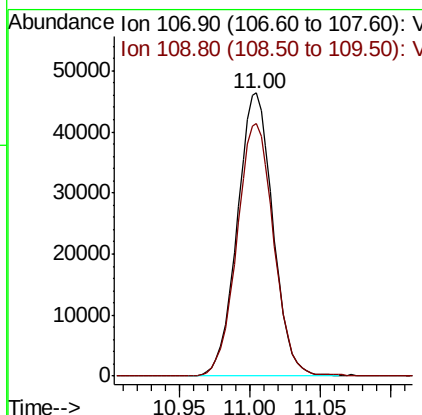
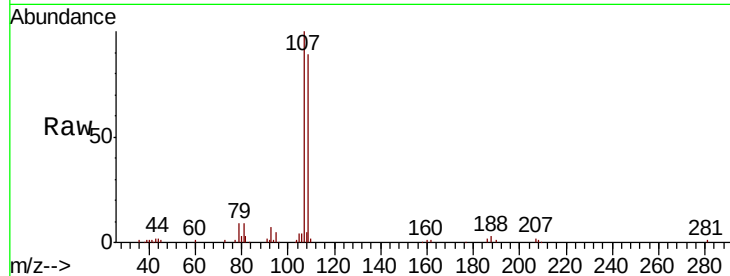




#61
 1,2-Dibromoethane
 Concen: 20.516 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

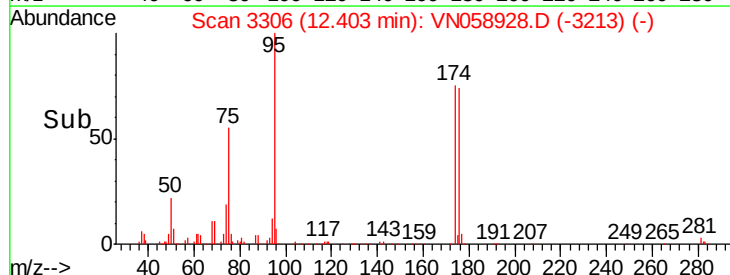
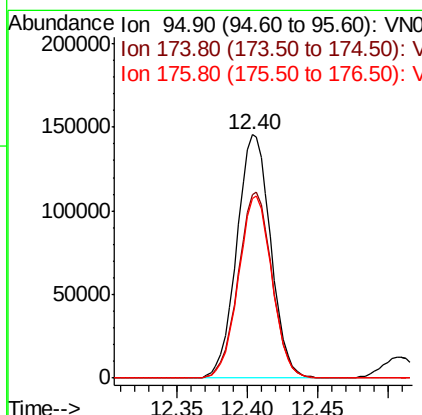
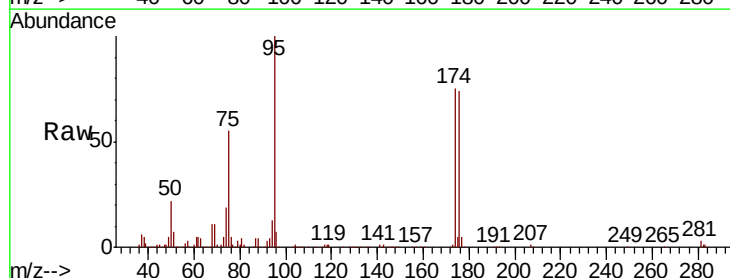
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

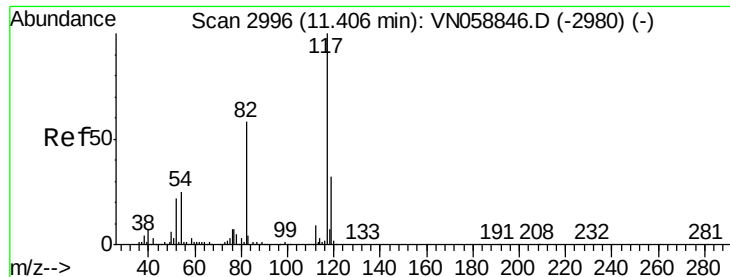
Tot Ion: 107 Resp: 82014
 Ion Ratio Lower Upper
 107 100
 109 91.6 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 49.210 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Tgt Ion: 95 Resp: 245307
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 147.6
 176 73.7 0.0 143.2

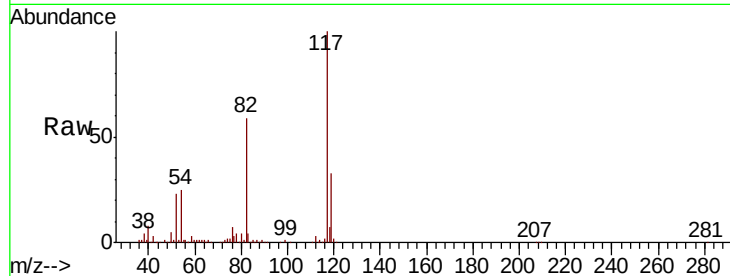




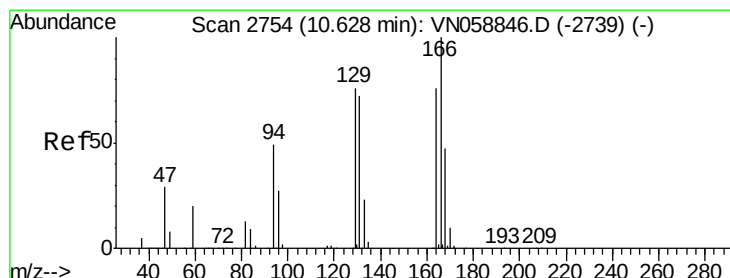
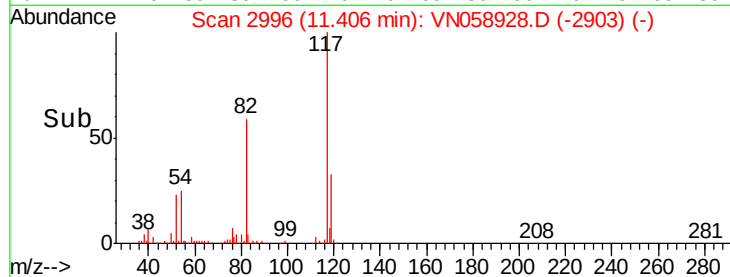
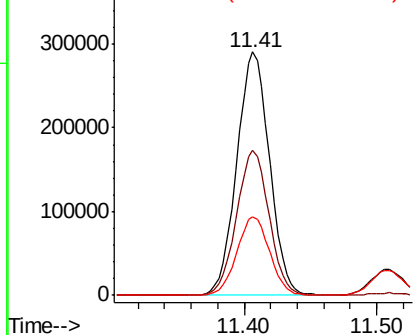
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion:117 Resp: 498224
Ion Ratio Lower Upper
117 100
82 59.5 46.6 69.8
119 32.5 25.6 38.4

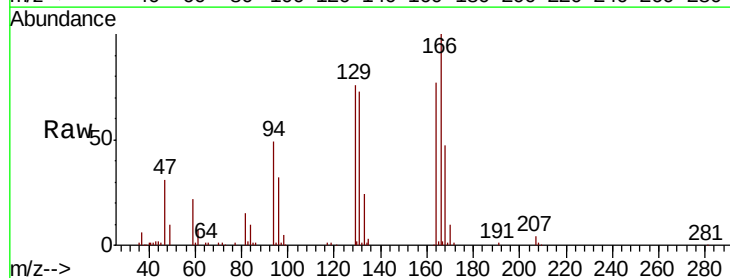


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

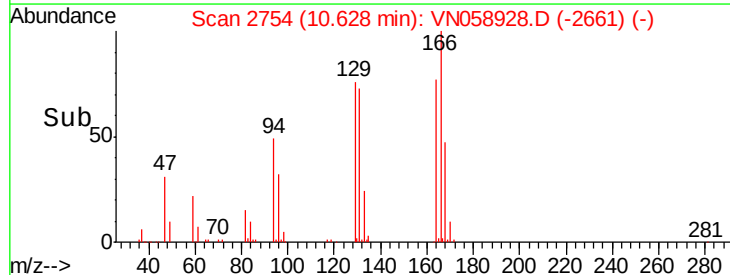
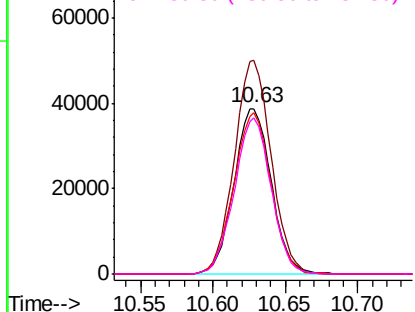


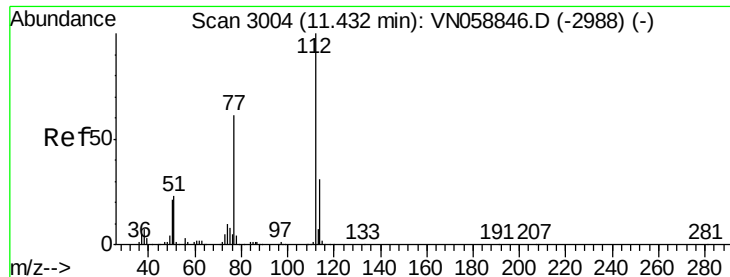
#64
Tetrachloroethene
Concen: 19.874 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion:164 Resp: 69344
Ion Ratio Lower Upper
164 100
166 129.0 104.8 157.2
129 97.8 79.3 118.9
131 94.1 75.8 113.6



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

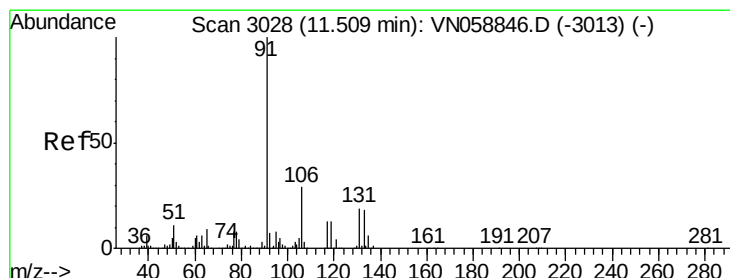
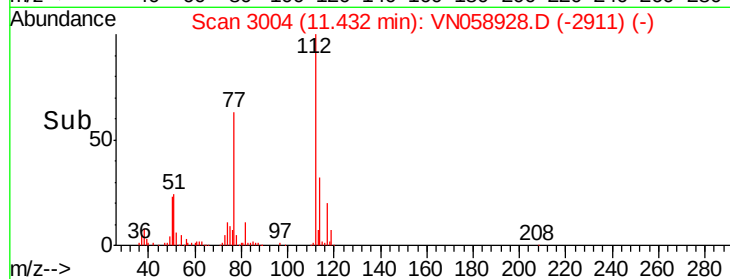
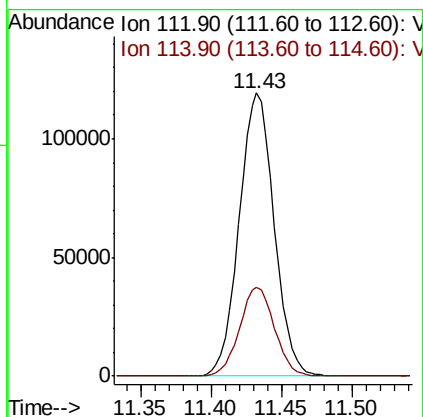
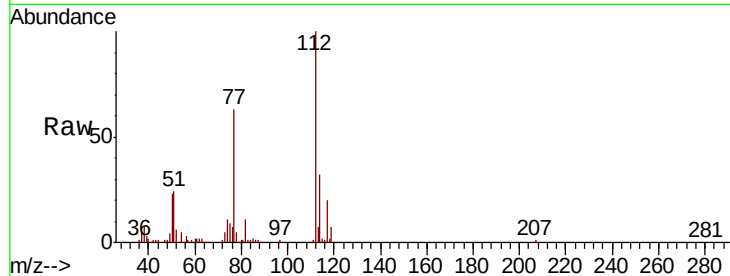




#65
Chlorobenzene
Concen: 20.393 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

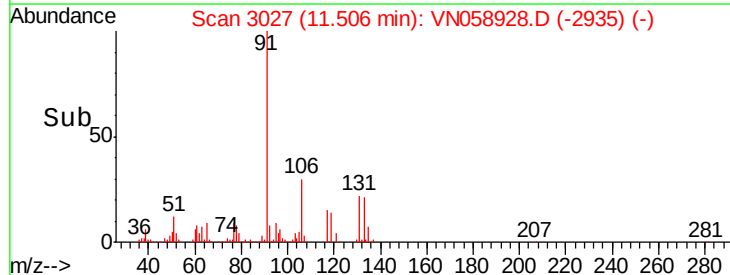
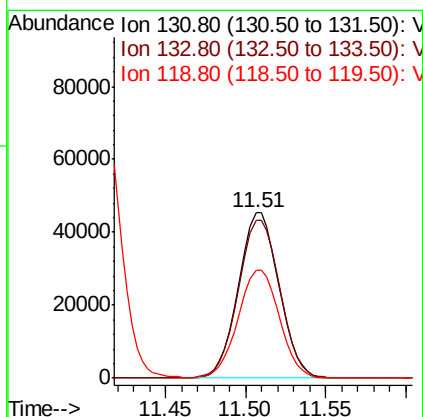
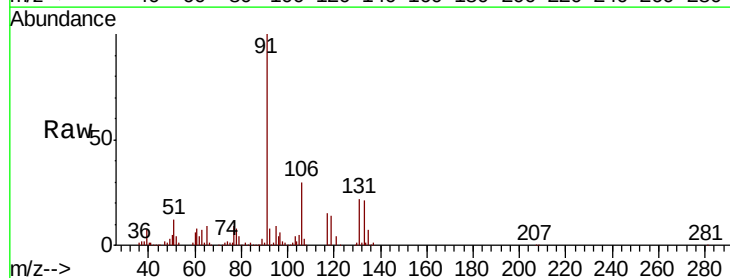
Instrument :
MSVOA_N
ClientSampled :
VN1024WBSD01

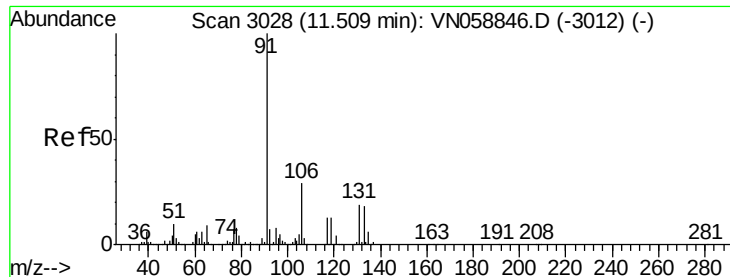
Tot Ion:112 Resp: 206852
Ion Ratio Lower Upper
112 100
114 31.6 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.516 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion:131 Resp: 78527
Ion Ratio Lower Upper
131 100
133 98.1 48.4 145.2
119 66.5 33.6 100.8





#67

Ethyl Benzene

Concen: 20.967 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

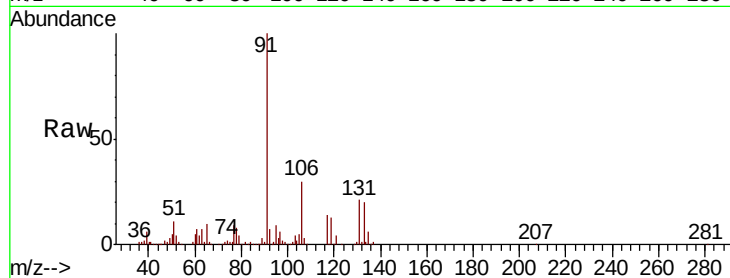
VN1024WBSD01

Tot Ion: 91 Resp: 373072

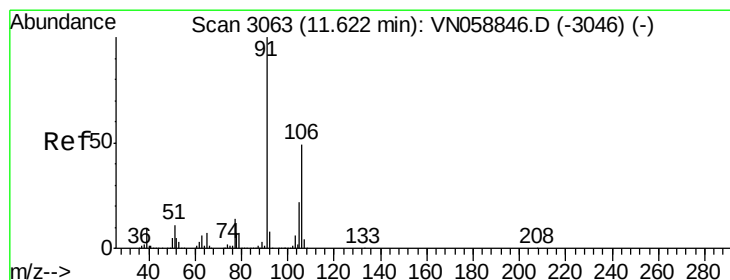
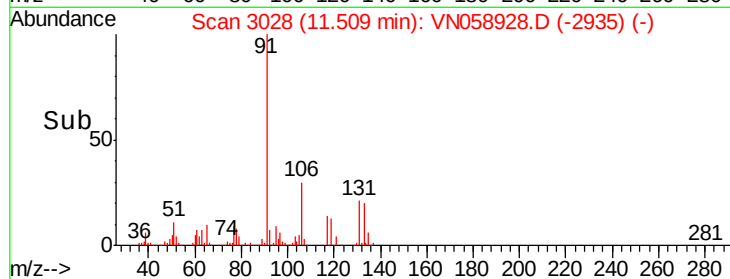
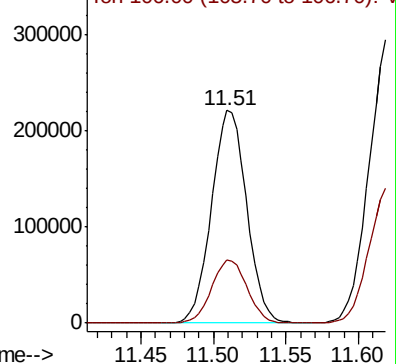
Ion Ratio Lower Upper

91 100

106 29.5 23.4 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3012) (-)



#68

m/p-Xylenes

Concen: 41.683 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058928.D

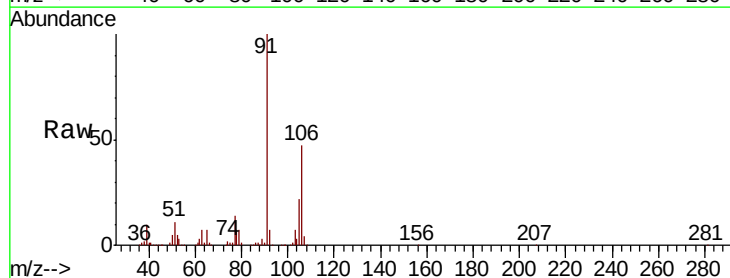
Acq: 23 Oct 2019 14:40

Tgt Ion: 106 Resp: 275050

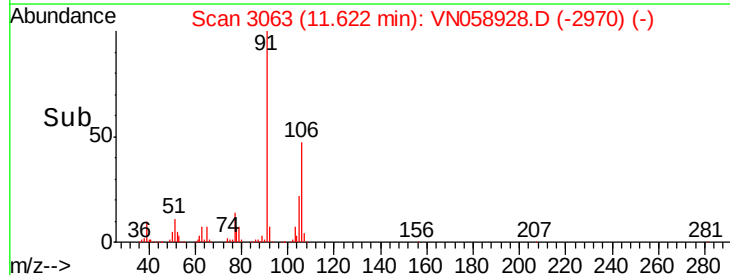
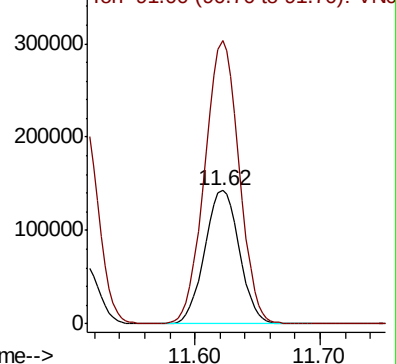
Ion Ratio Lower Upper

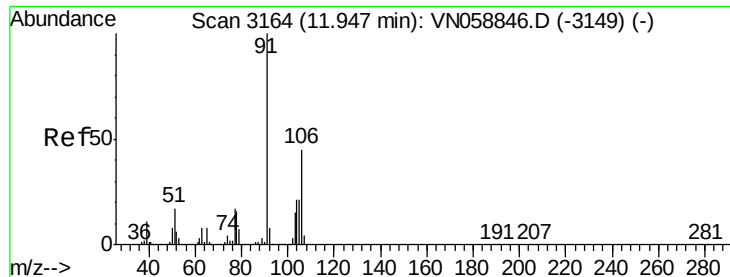
106 100

91 209.7 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): VN058846.D (-3046) (-)

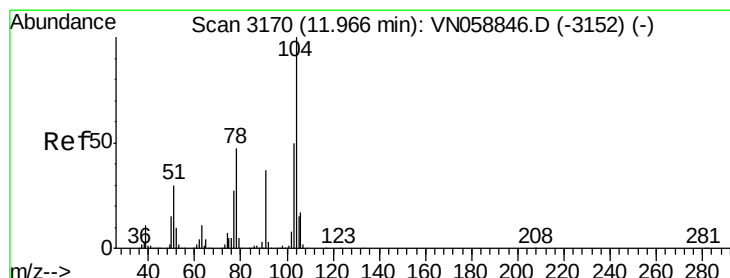
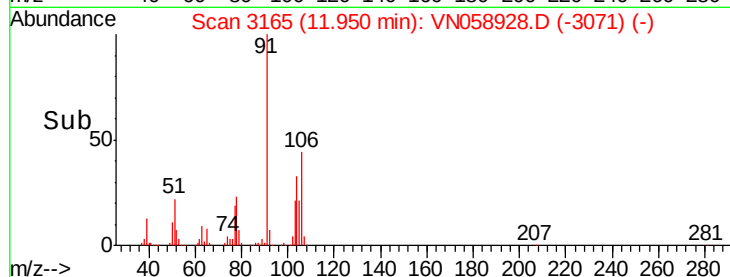
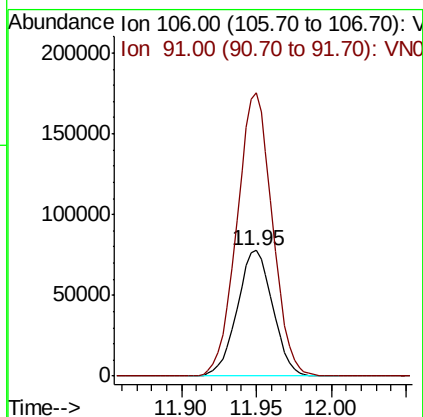
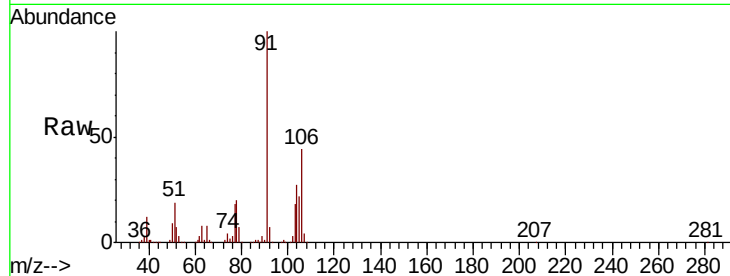




#69
o-Xylene
Concen: 20.428 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

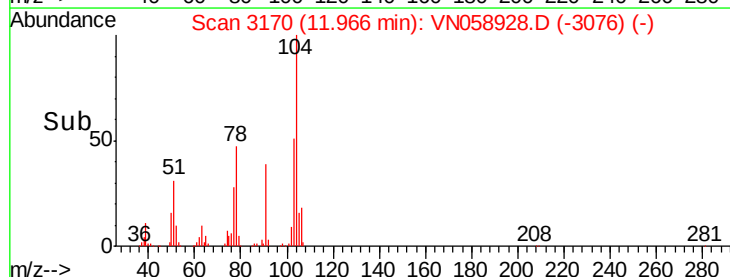
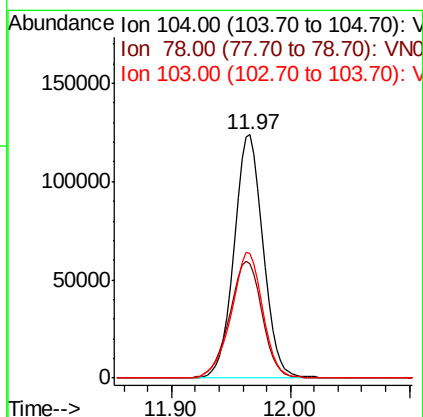
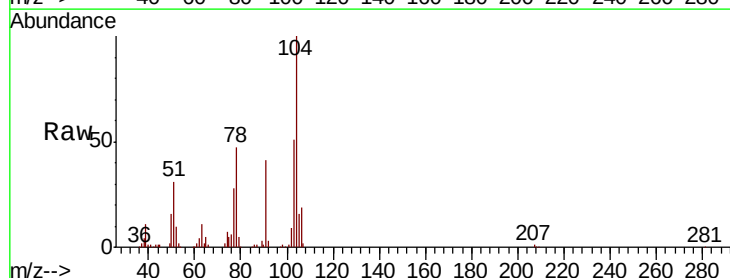
Instrument :
MSVOA_N
ClientSampled :
VN1024WBSD01

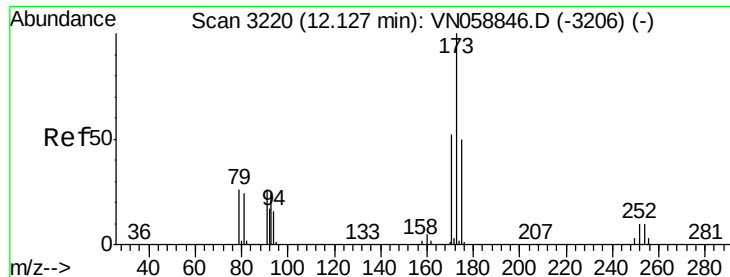
Tot Ion:106 Resp: 128559
Ion Ratio Lower Upper
106 100
91 225.2 111.5 334.4



#70
Styrene
Concen: 19.172 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion:104 Resp: 210001
Ion Ratio Lower Upper
104 100
78 54.0 42.8 64.2
103 55.9 44.3 66.5





#71

Bromoform

Concen: 19.980 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

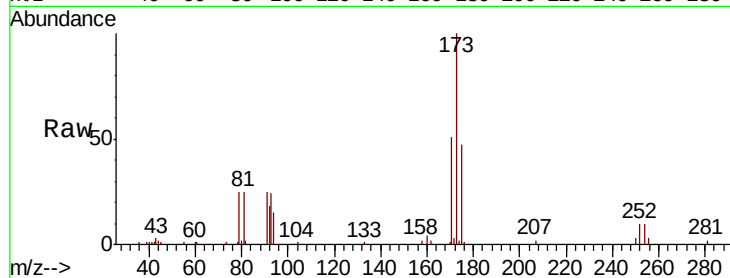
Tot Ion:173 Resp: 59302

Ion Ratio Lower Upper

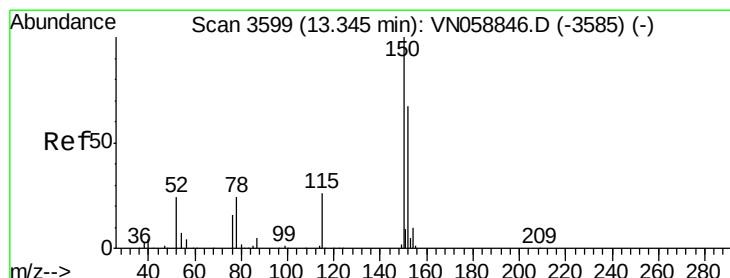
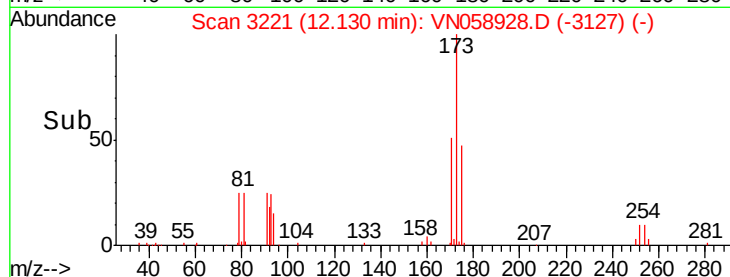
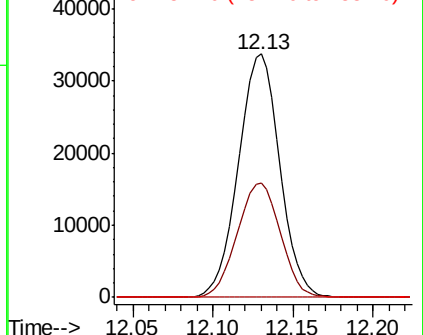
173 100

175 48.9 24.7 74.1

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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

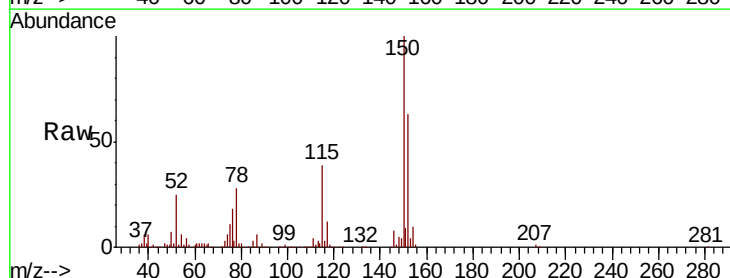
Tgt Ion:152 Resp: 232055

Ion Ratio Lower Upper

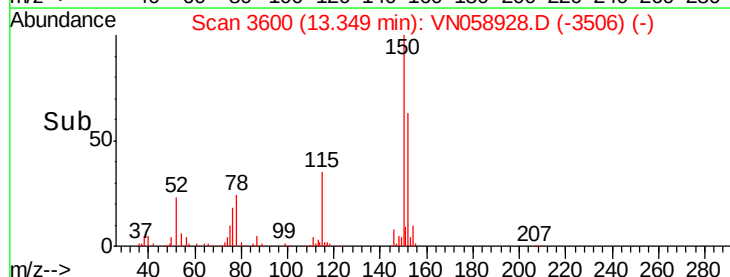
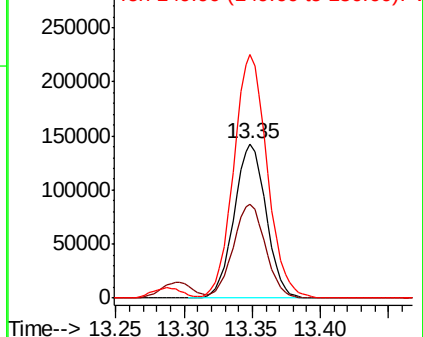
152 100

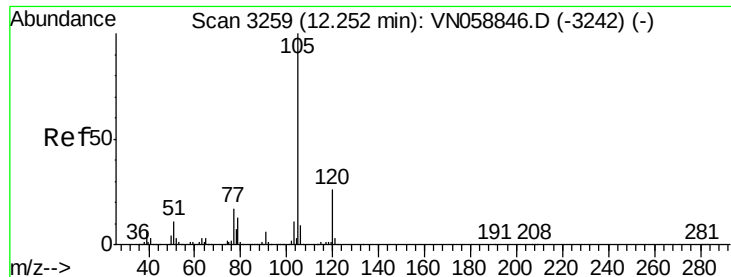
115 61.6 30.5 91.5

150 164.5 0.0 344.4



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: 21.077 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

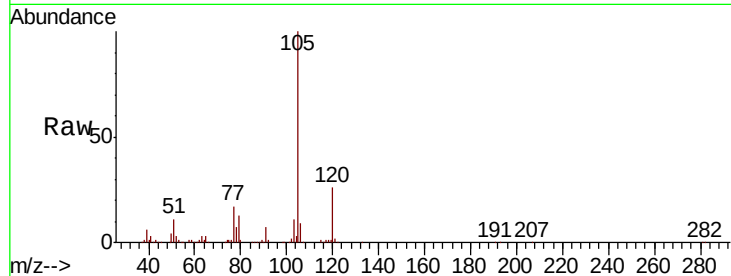
VN1024WBSD01

Tot Ion:105 Resp: 357438

Ion Ratio Lower Upper

105 100

120 25.4 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

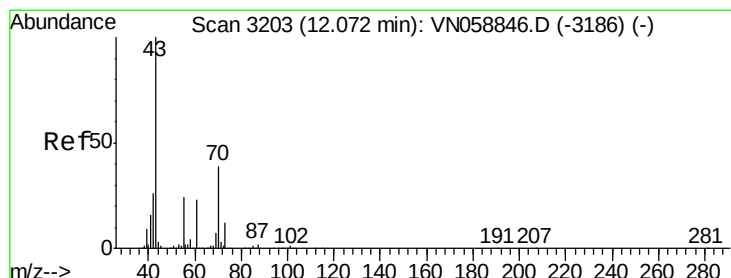
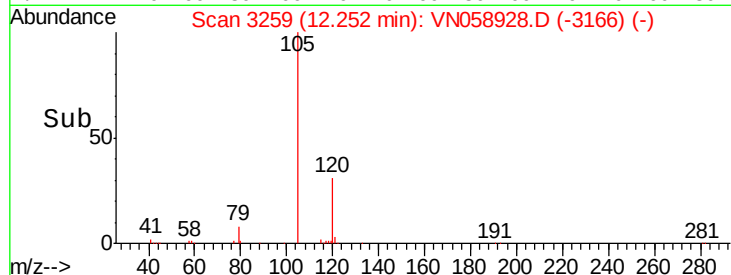
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 20.887 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Tgt Ion: 43 Resp: 160591

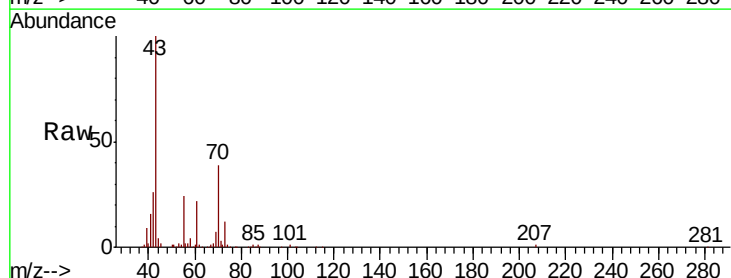
Ion Ratio Lower Upper

43 100

70 39.2 30.9 46.3

55 25.9 19.7 29.5

61 22.8 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

150000

100000

50000

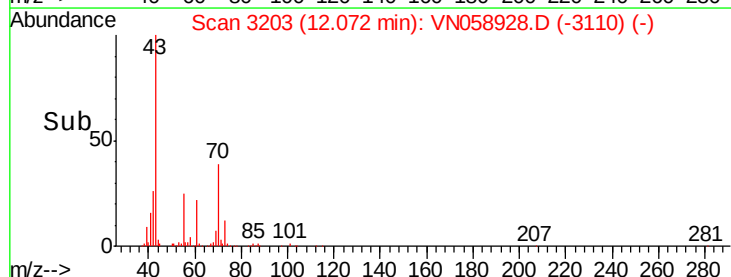
0

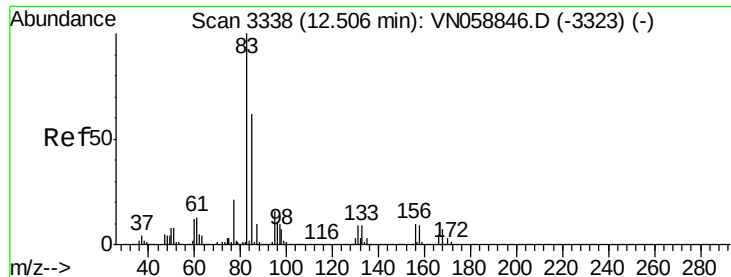
12.00

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.179 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

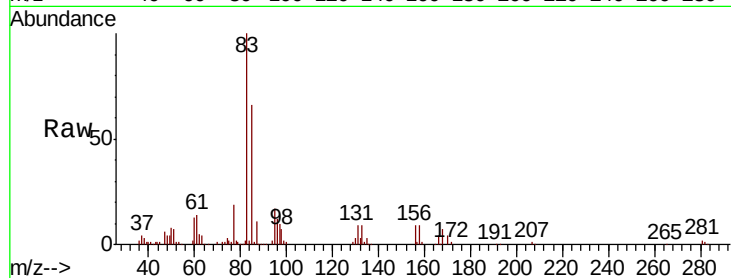
Tot Ion: 83 Resp: 126293

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.1
85	64.0	31.7	95.1

83 100

131 9.2 4.7 14.1

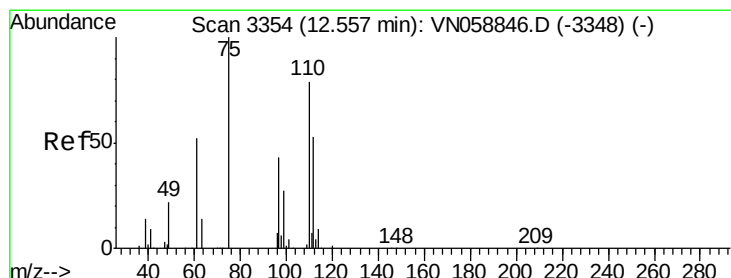
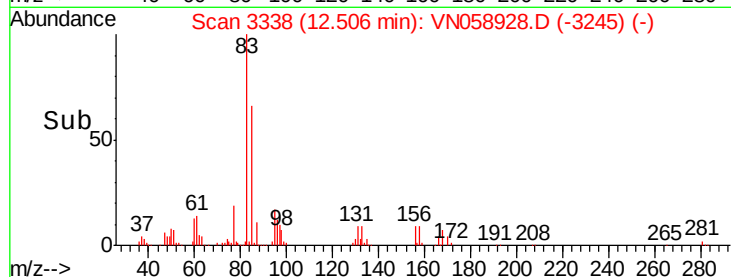
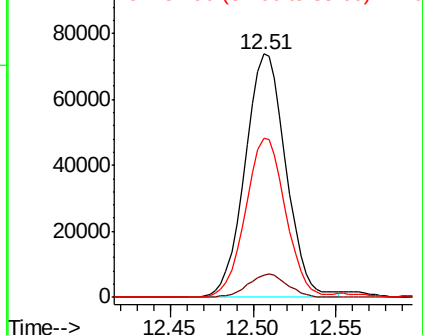
85 64.0 31.7 95.1



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: 30.690 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058928.D

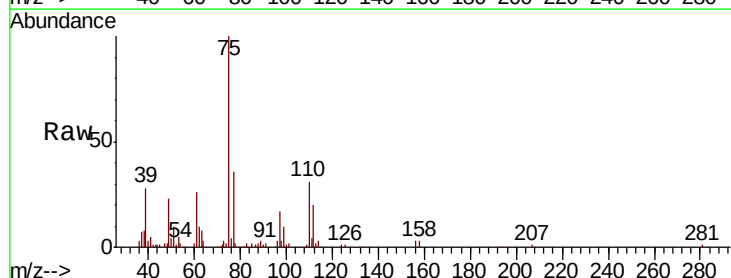
Acq: 23 Oct 2019 14:40

Tgt Ion: 75 Resp: 165057

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

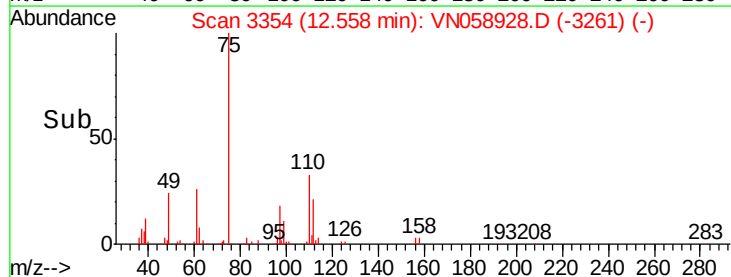
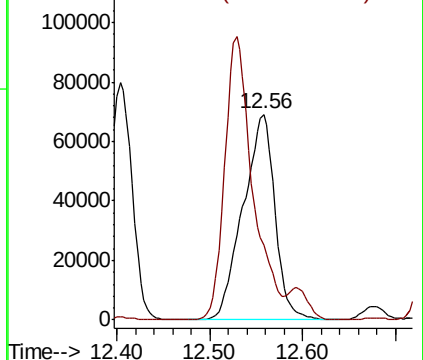
75 100

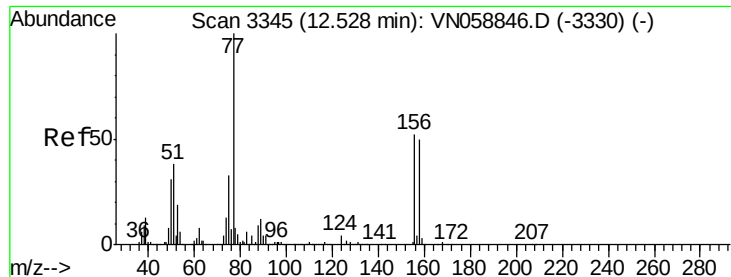
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.527 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

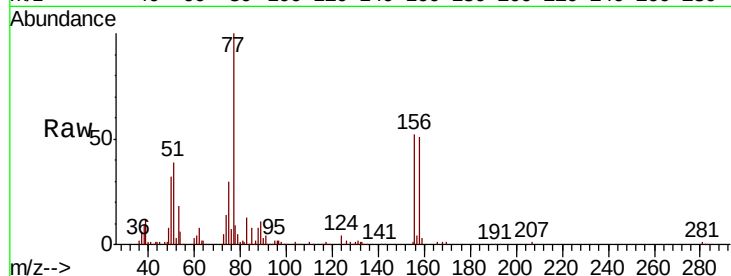
Tot Ion:156 Resp: 85803

Ion Ratio Lower Upper

156 100

77 234.0 118.0 354.0

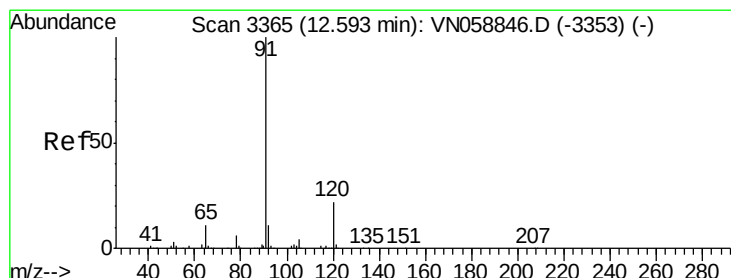
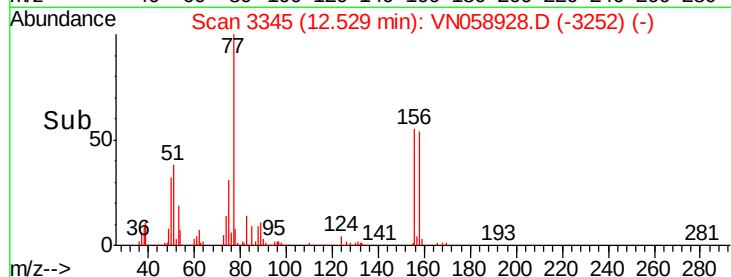
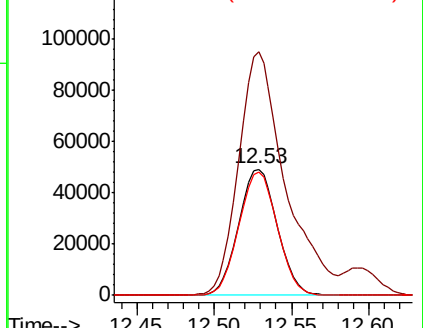
158 97.4 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.999 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058928.D

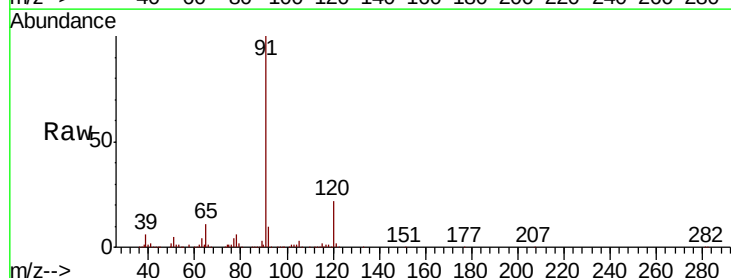
Acq: 23 Oct 2019 14:40

Tgt Ion: 91 Resp: 420942

Ion Ratio Lower Upper

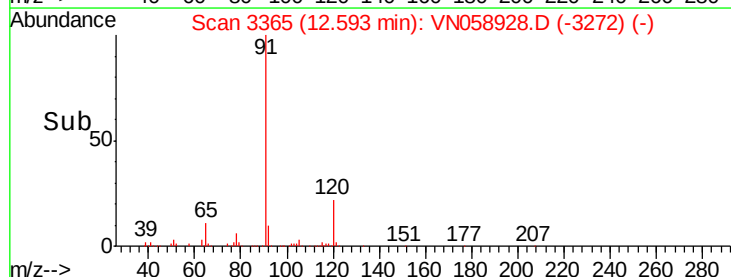
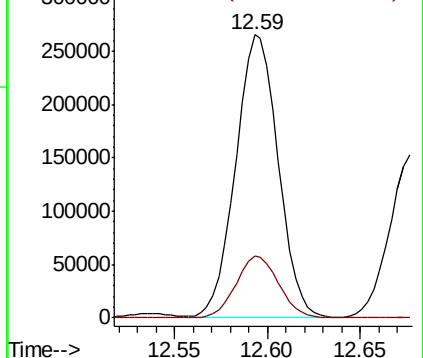
91 100

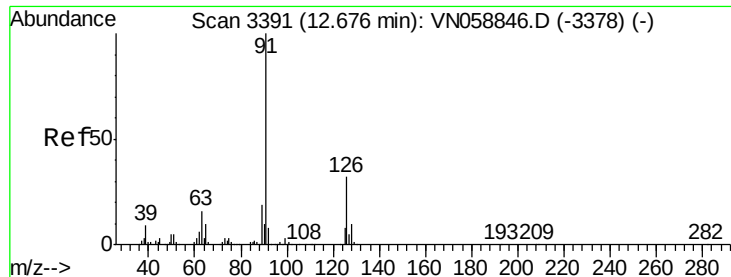
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.366 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

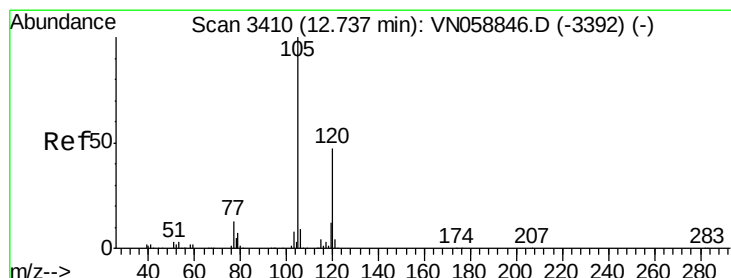
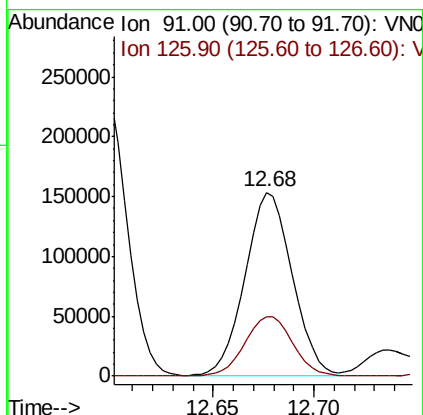
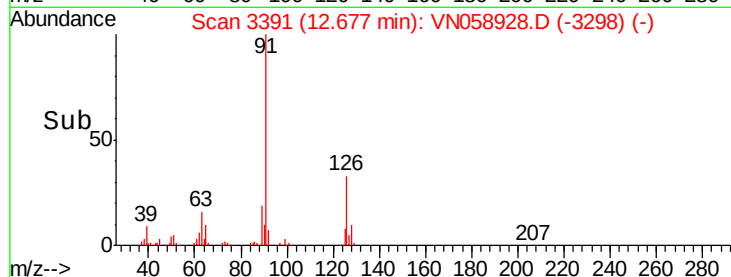
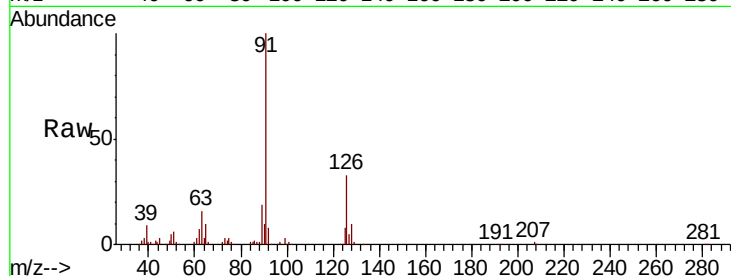
VN1024WBSD01

Tot Ion: 91 Resp: 249874

Ion Ratio Lower Upper

91 100

126 33.3 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 21.235 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058928.D

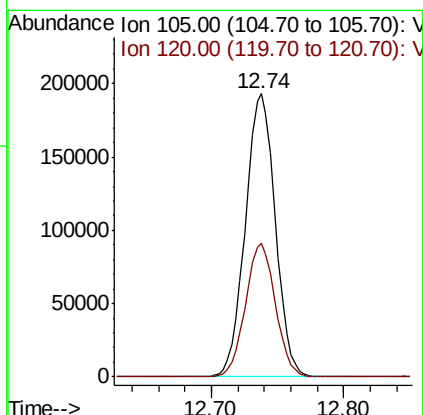
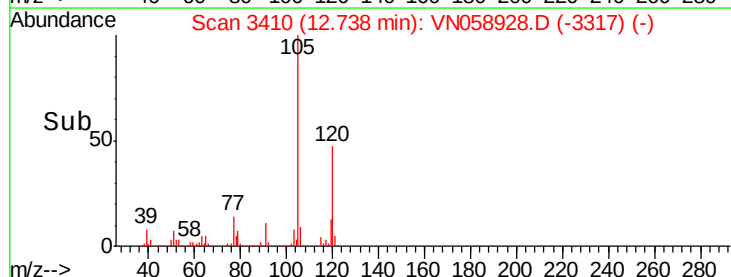
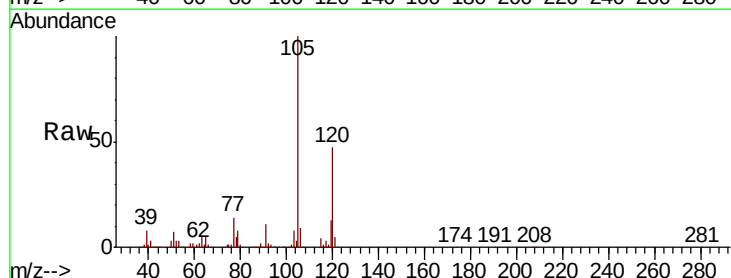
Acq: 23 Oct 2019 14:40

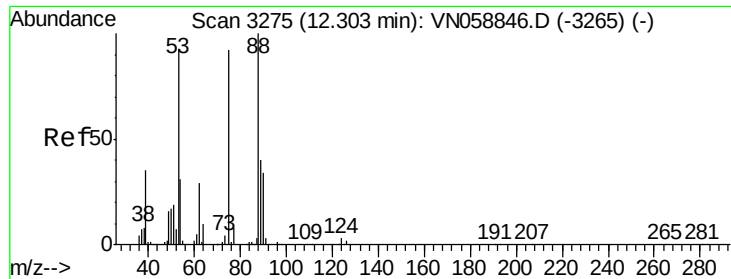
Tgt Ion: 105 Resp: 302565

Ion Ratio Lower Upper

105 100

120 47.1 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 19.793 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

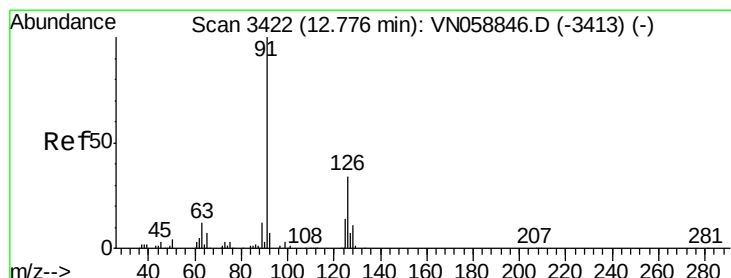
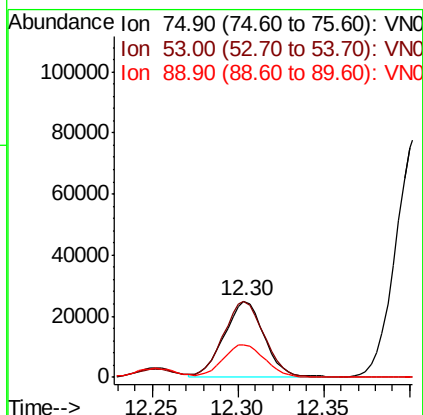
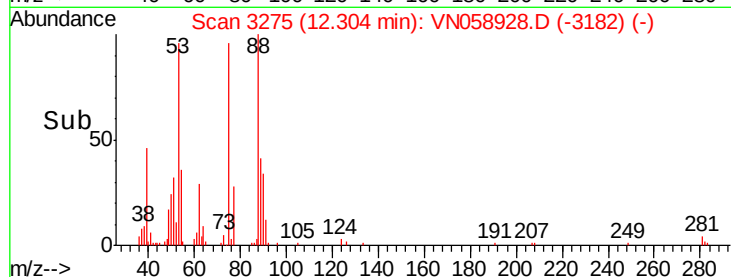
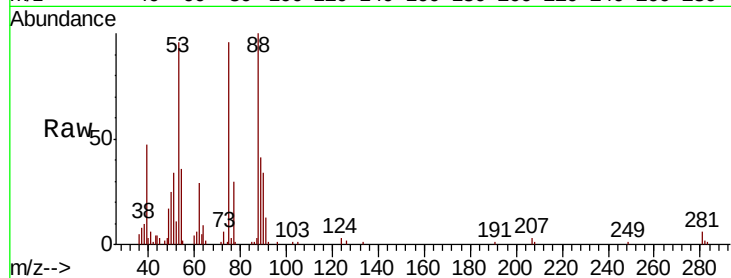
Tot Ion: 75 Resp: 40863

Ion Ratio Lower Upper

75 100

53 99.5 78.6 118.0

89 44.0 35.4 53.0



#82

4-Chlorotoluene

Concen: 20.828 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058928.D

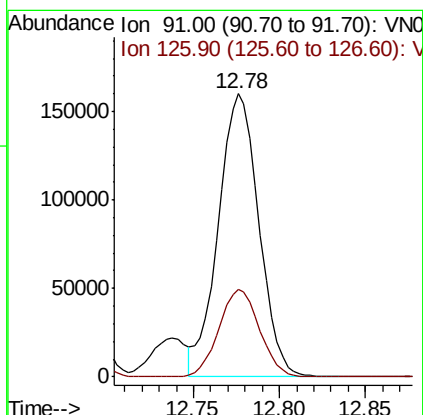
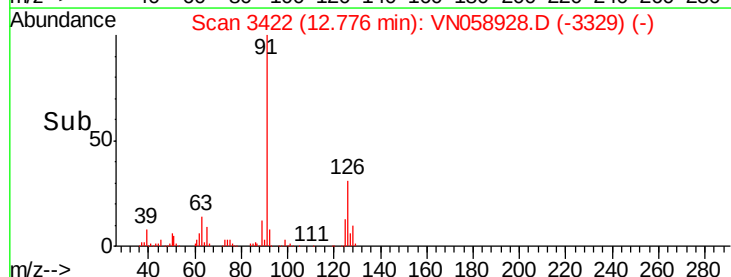
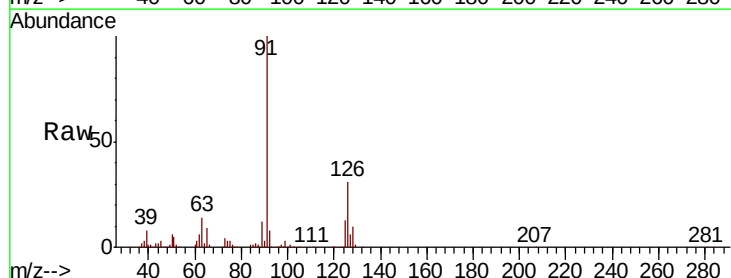
Acq: 23 Oct 2019 14:40

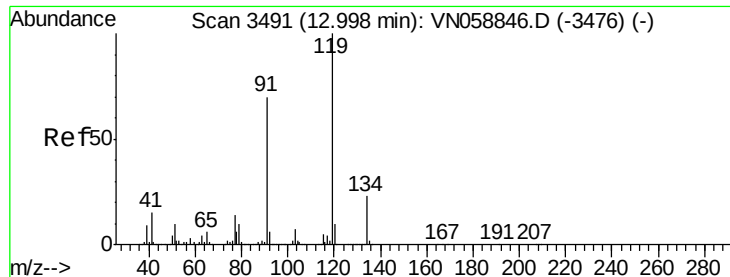
Tgt Ion: 91 Resp: 261145

Ion Ratio Lower Upper

91 100

126 31.2 16.0 47.9

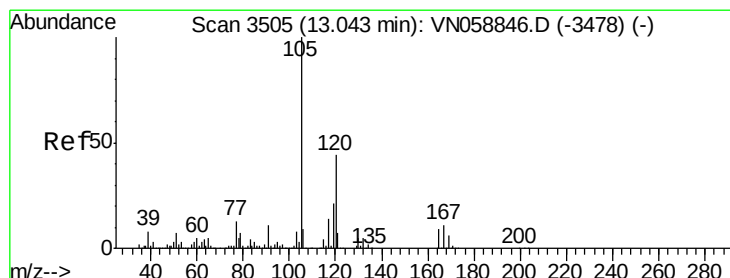
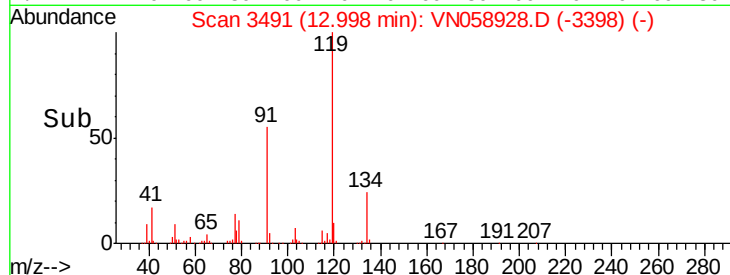
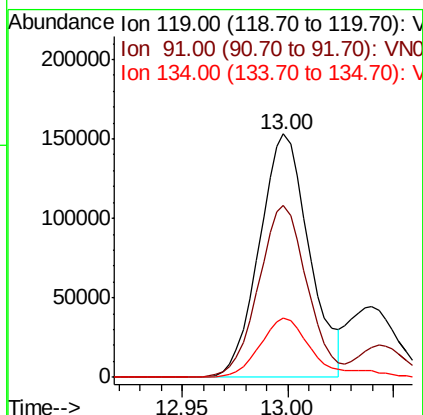
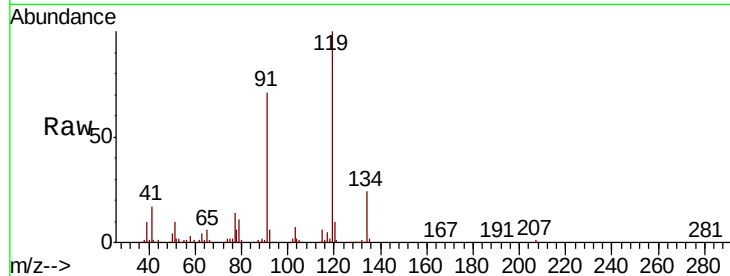




#83
 tert-Butylbenzene
 Concen: 20.652 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

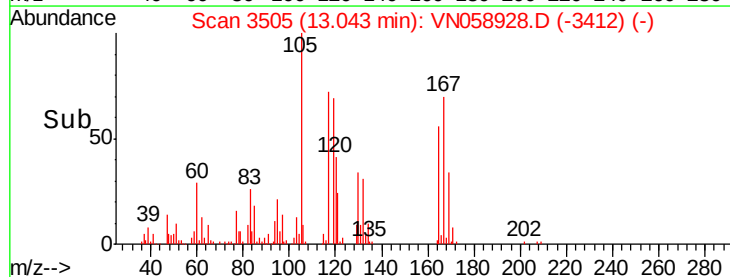
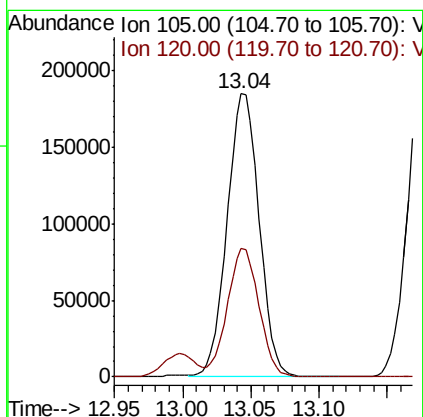
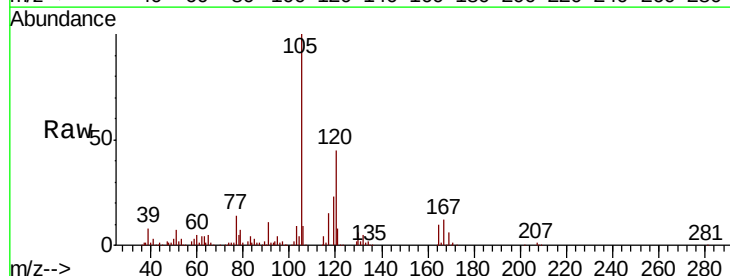
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

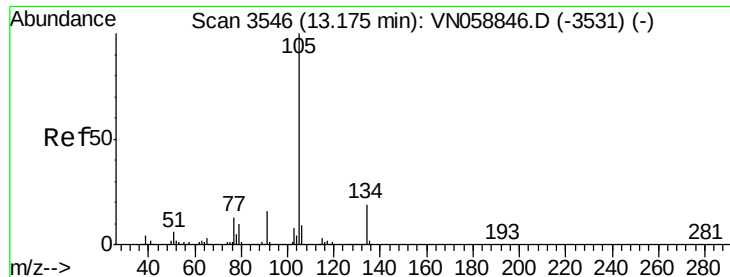
Tot Ion:119 Resp: 251634
 Ion Ratio Lower Upper
 119 100
 91 69.0 34.1 102.3
 134 24.3 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.409 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Tgt Ion:105 Resp: 300883
 Ion Ratio Lower Upper
 105 100
 120 45.2 21.9 65.8

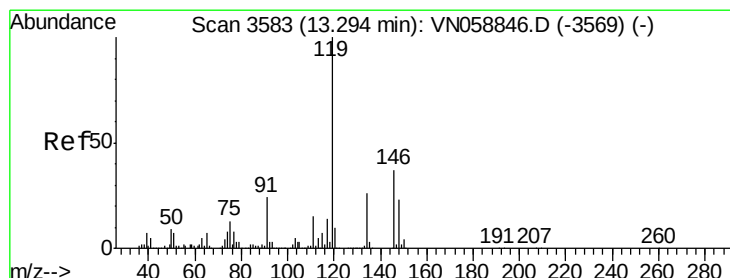
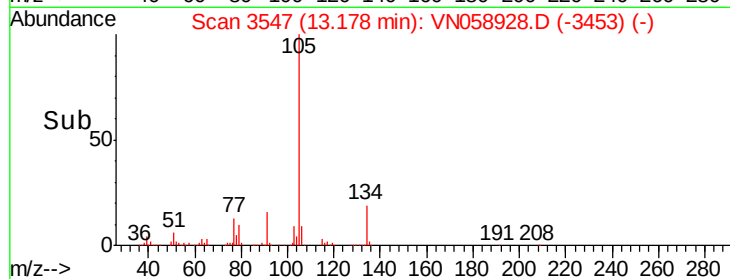
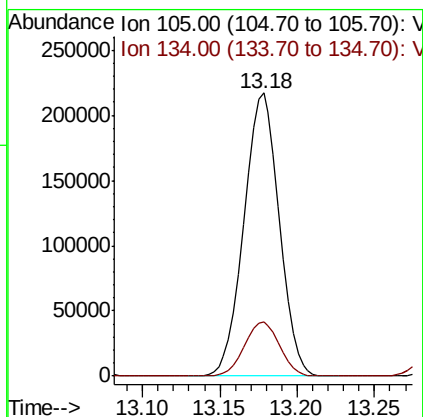
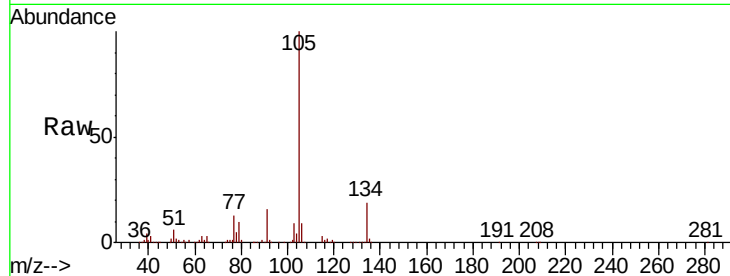




#85
 sec-Butylbenzene
 Concen: 21.228 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

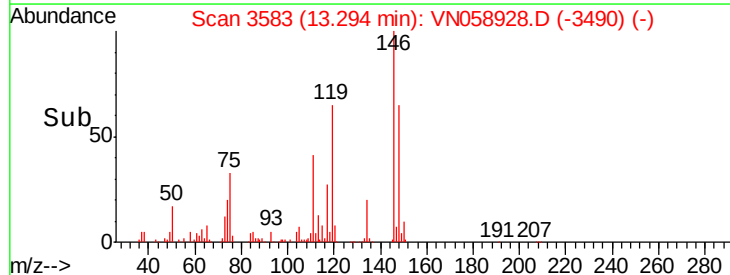
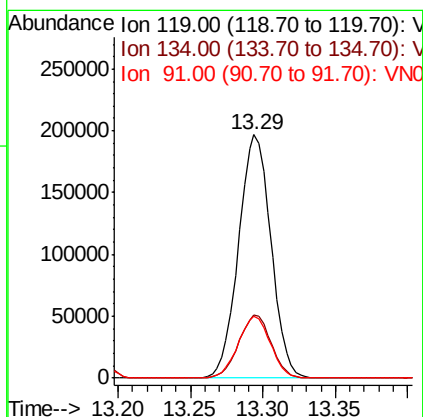
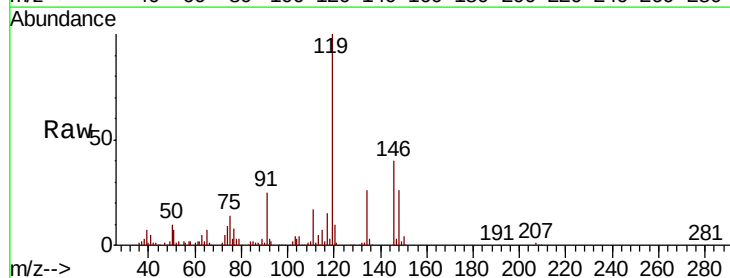
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

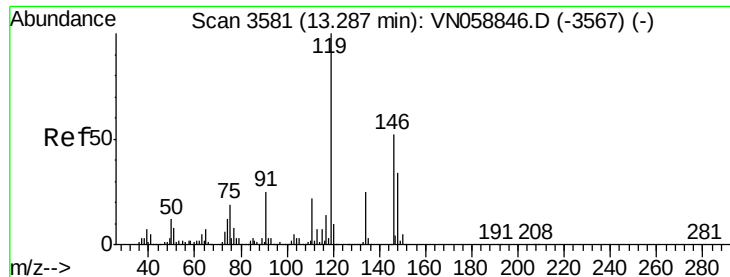
Tot Ion:105 Resp: 344850
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 21.306 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Tgt Ion:119 Resp: 305393
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.8 38.4
 91 25.2 12.2 36.4

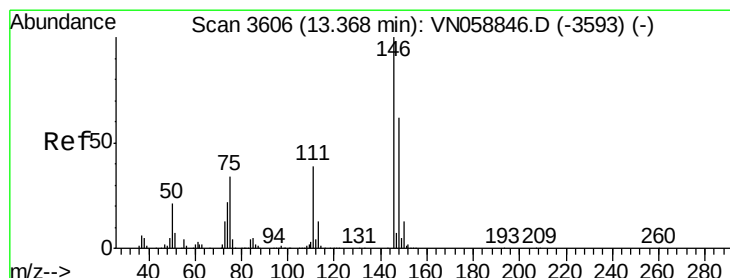
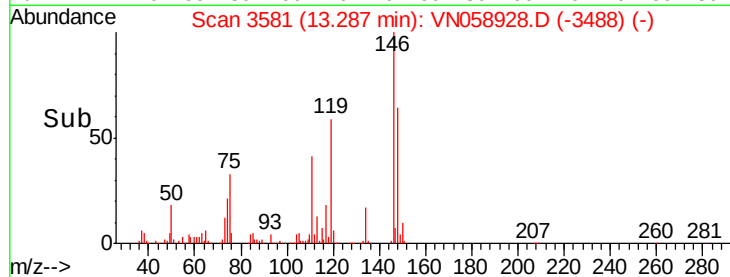
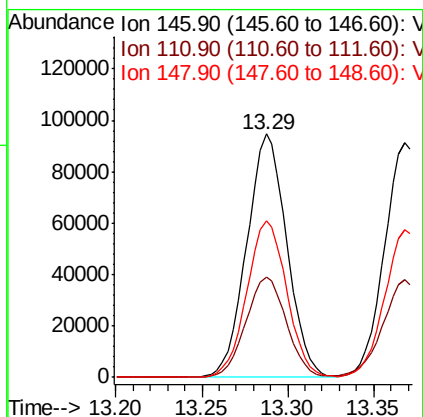
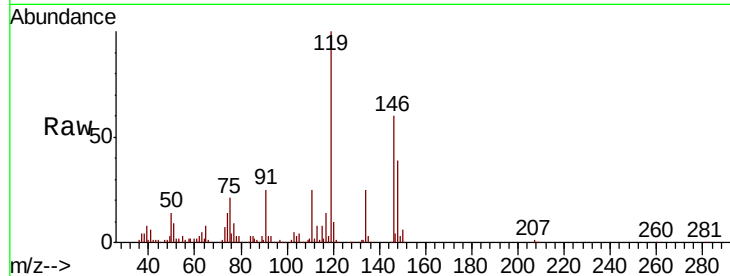




#87
 1,3-Dichlorobenzene
 Concen: 20.484 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

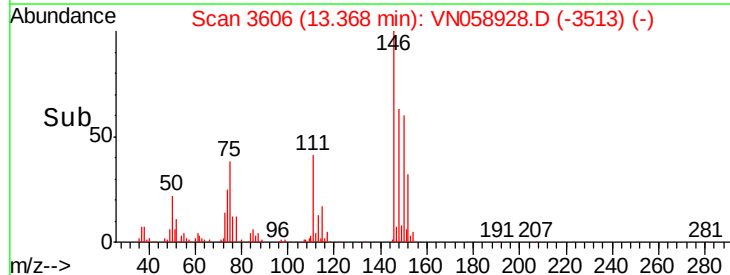
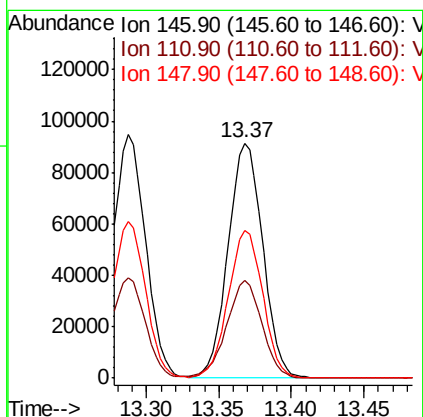
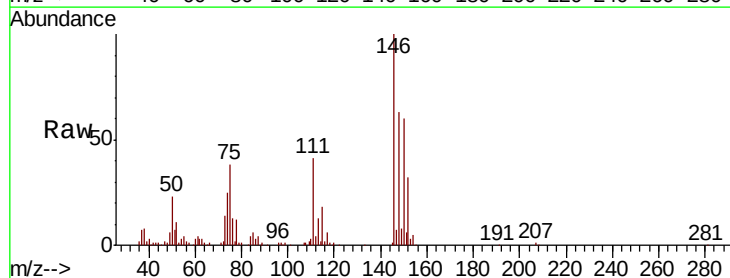
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

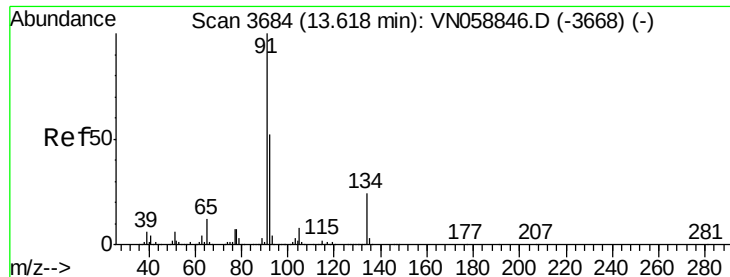
Tot Ion:146 Resp: 153105
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.0 63.0
 148 64.2 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.211 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Tgt Ion:146 Resp: 151241
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.2 60.6
 148 62.7 31.6 94.7





#89

n-Butylbenzene

Concen: 20.195 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampled :

VN1024WBSD01

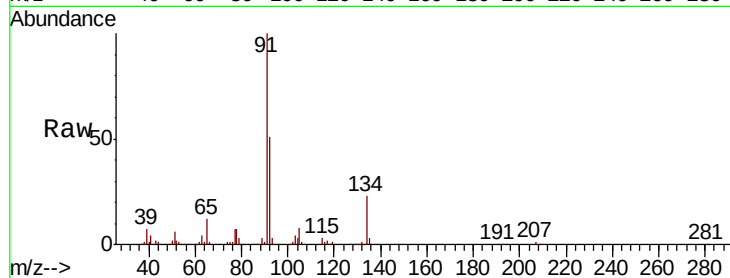
Tot Ion: 91 Resp: 265916

Ion Ratio Lower Upper

91 100

92 51.4 25.7 77.1

134 23.2 11.9 35.5

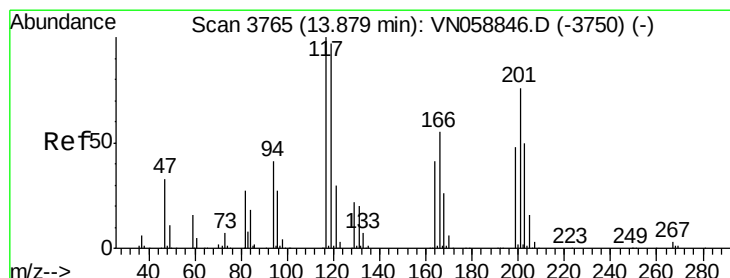
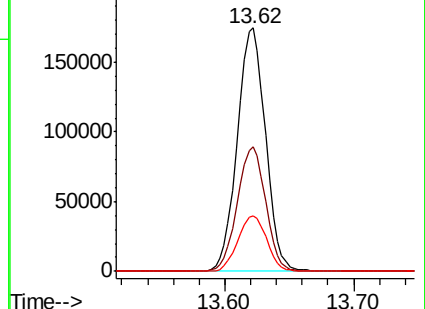
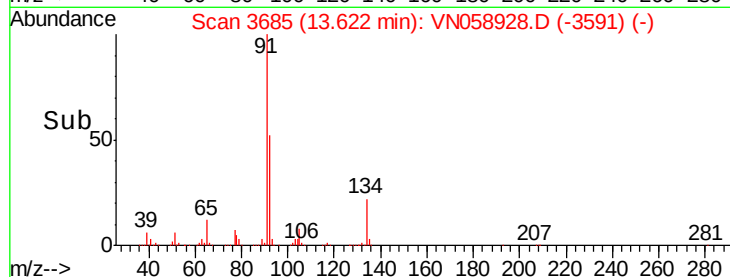


Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN058846.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN058846.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 20.386 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058928.D

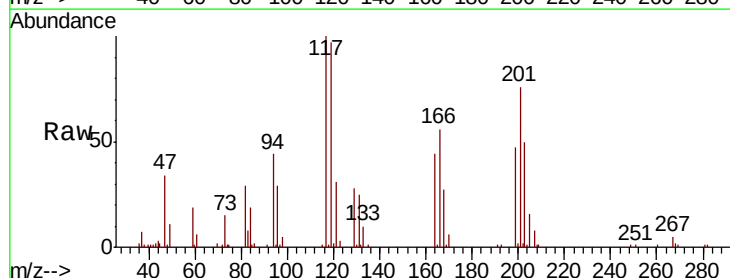
Acq: 23 Oct 2019 14:40

Tgt Ion: 117 Resp: 59210

Ion Ratio Lower Upper

117 100

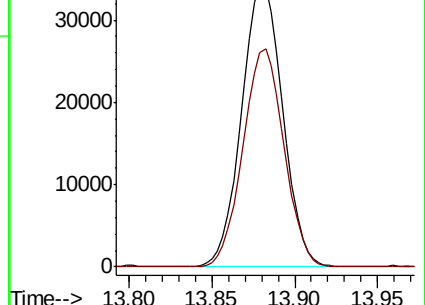
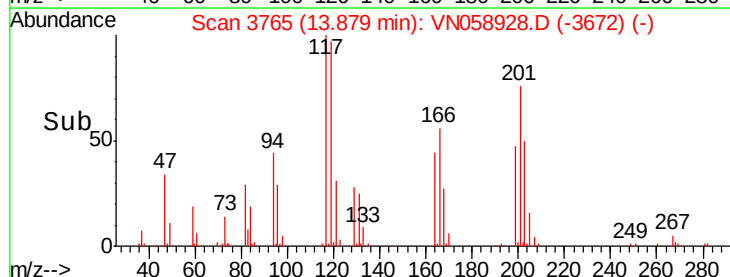
201 76.9 38.9 116.6

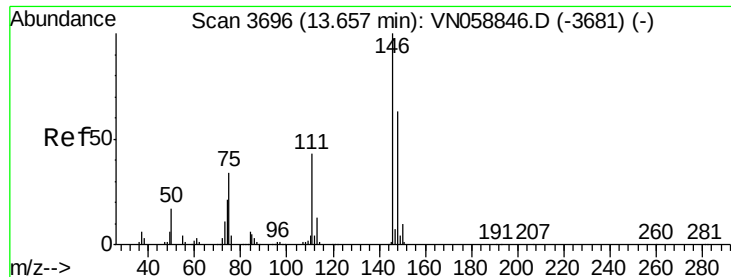


Abundance Ion 116.80 (116.50 to 117.50): VN058846.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058846.D (-3750) (-)

Time-->

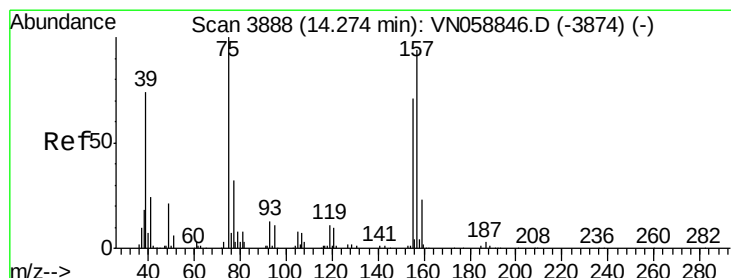
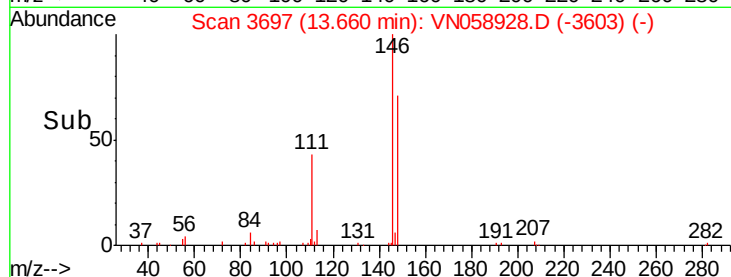
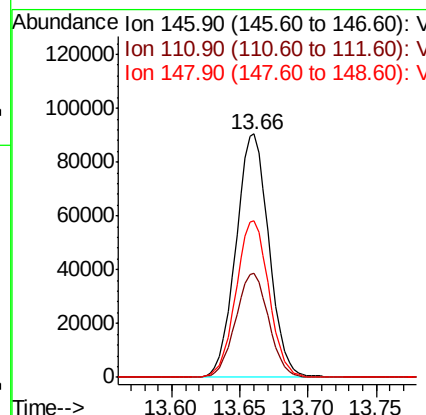
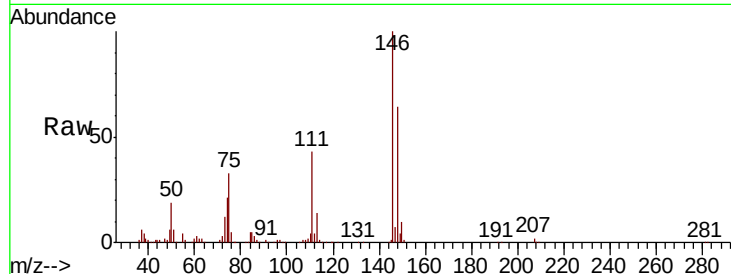




#91
 1,2-Dichlorobenzene
 Concen: 20.635 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

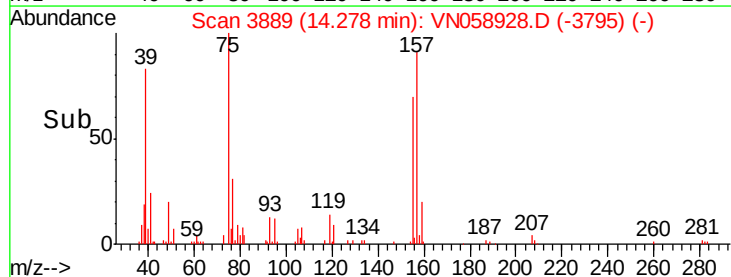
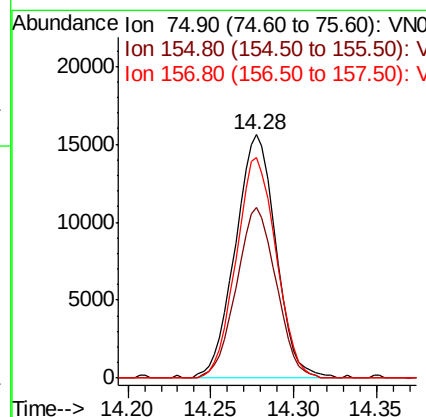
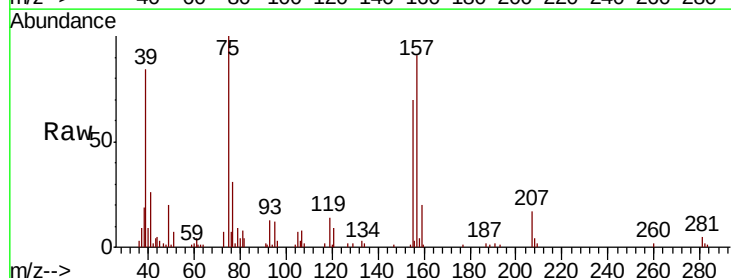
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

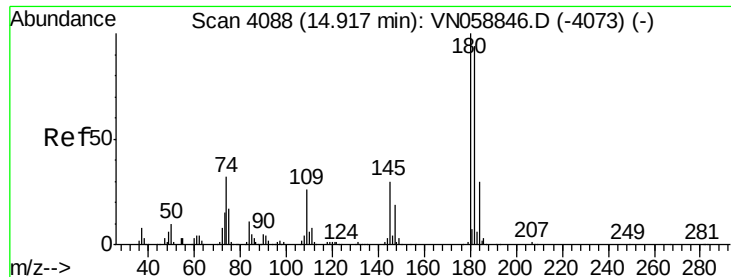
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	64.8
148	64.0	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.749 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.5	35.6	106.8
157	89.2	47.4	142.2

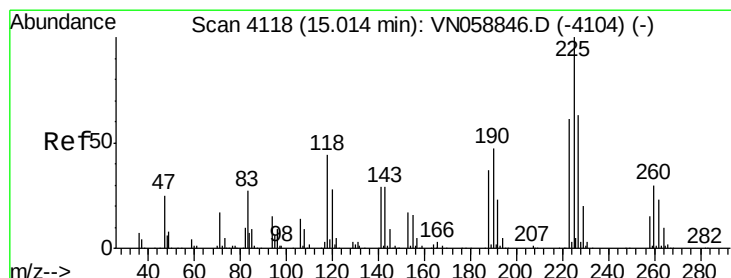
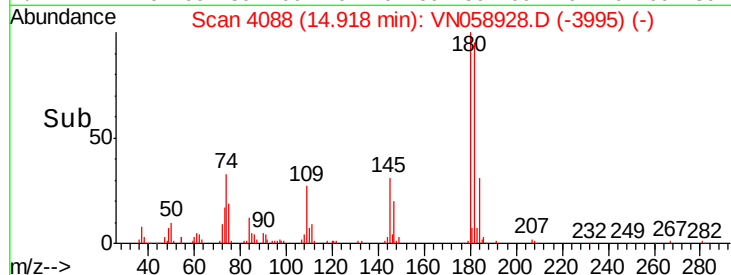
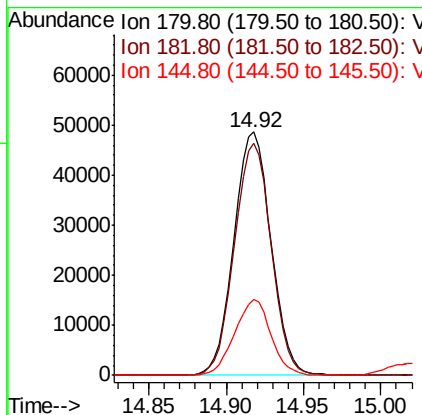
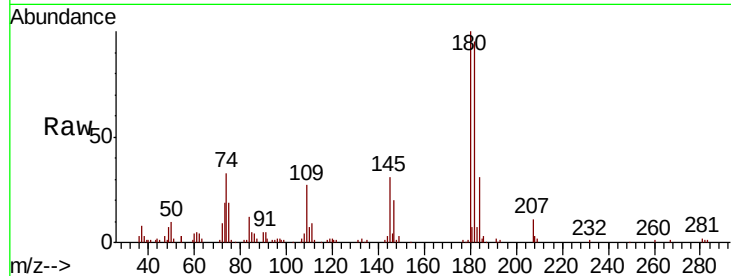




#93
 1,2,4-Trichlorobenzene
 Concen: 19.166 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

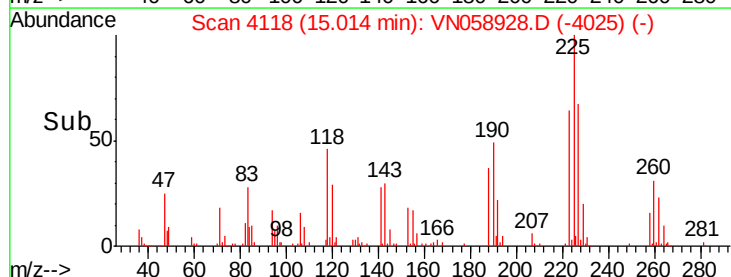
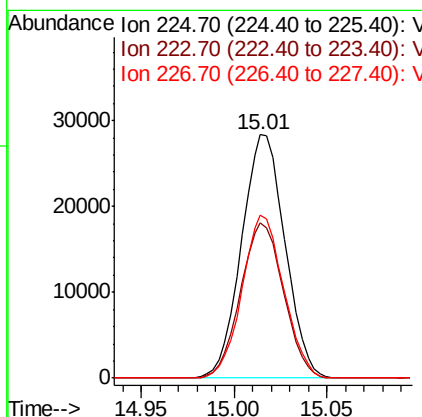
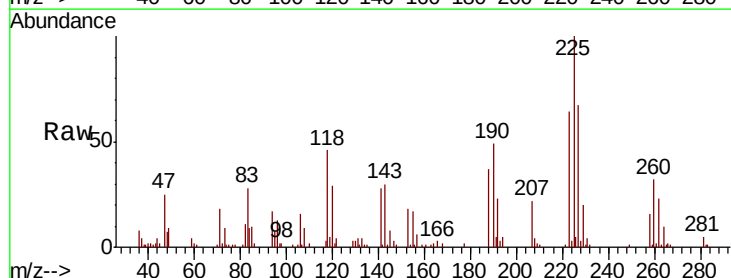
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

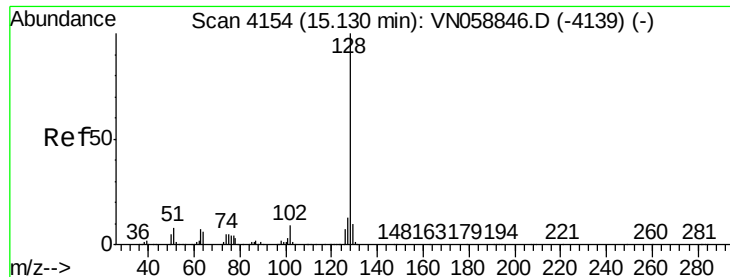
Tot Ion:180 Resp: 81067
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.3 142.0
 145 30.5 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 19.354 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Tgt Ion:225 Resp: 46084
 Ion Ratio Lower Upper
 225 100
 223 62.8 30.9 92.5
 227 64.0 31.6 94.7





#95

Naphthalene

Concen: 18.508 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

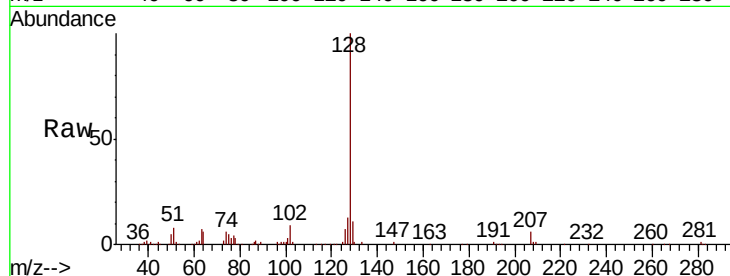
Tot Ion:128 Resp: 226503

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

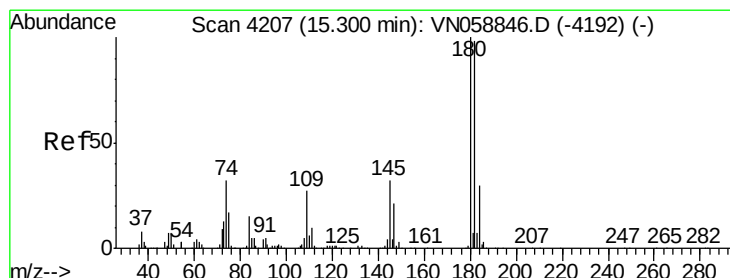
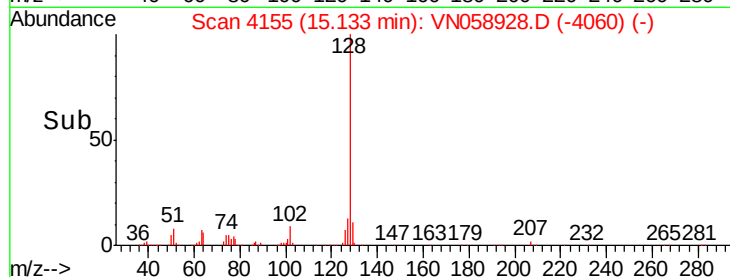
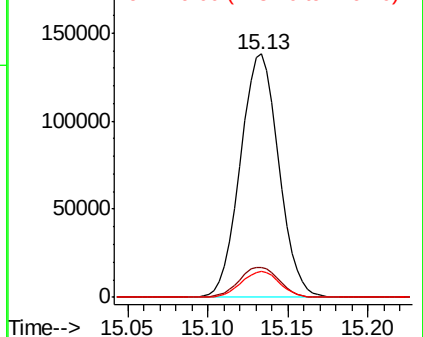
129 10.7 8.4 12.6



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: 19.337 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

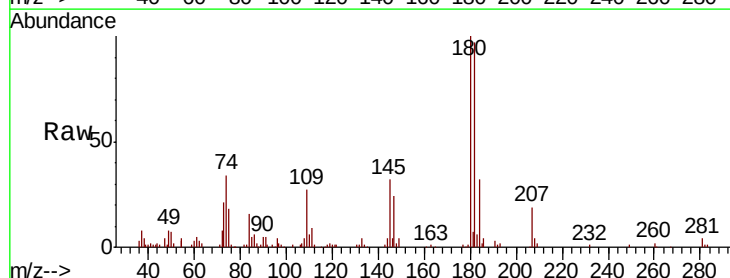
Tgt Ion:180 Resp: 80116

Ion Ratio Lower Upper

180 100

182 98.2 47.9 143.7

145 32.9 15.9 47.7



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

