

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 :

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

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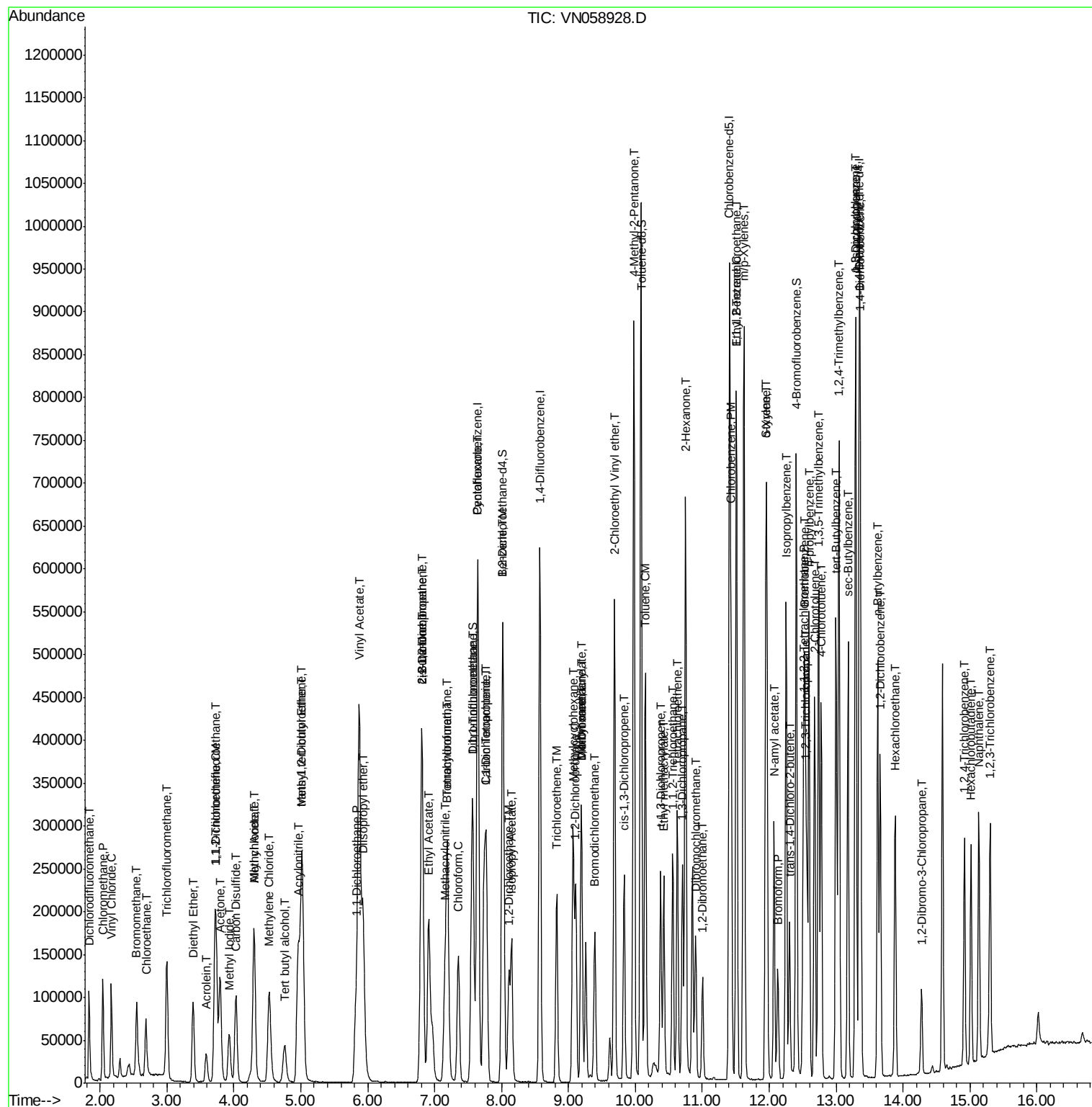
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	81067	19.166	ug/l	100
94) Hexachlorobutadiene	15.01	225	46084	19.354	ug/l	99
95) Naphthalene	15.13	128	226503	18.508	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	80116	19.337	ug/l	98

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

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ClientSampled :

Quant Time: Oct 24 01:12:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
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#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

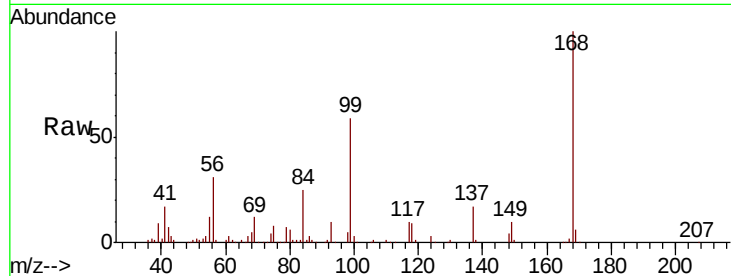
Instrument :
MSVOA_N
ClientSampled :

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): VNO

7.65

150000

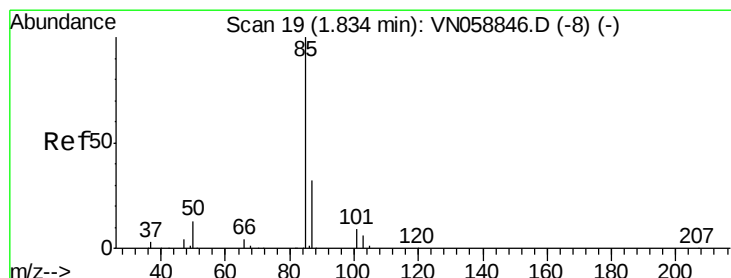
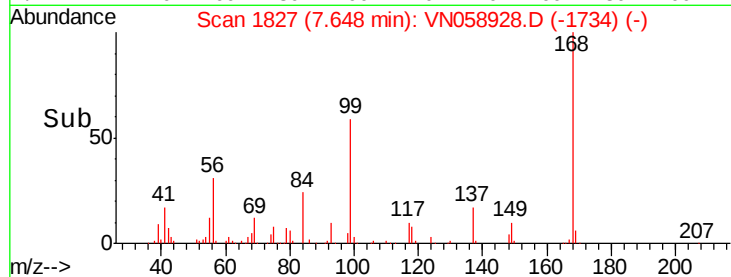
100000

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

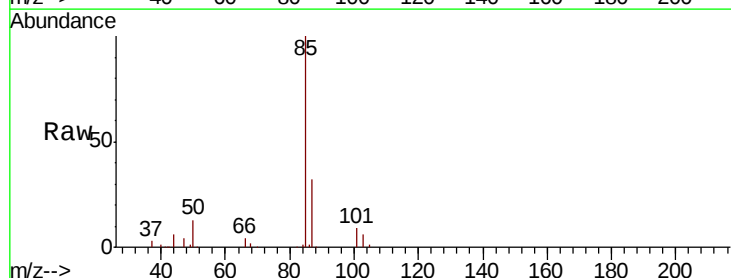
Acq: 23 Oct 2019 14:40

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

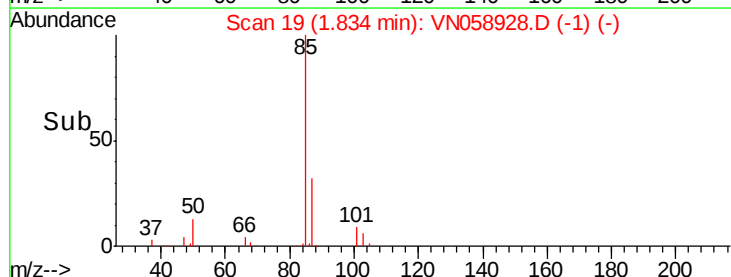
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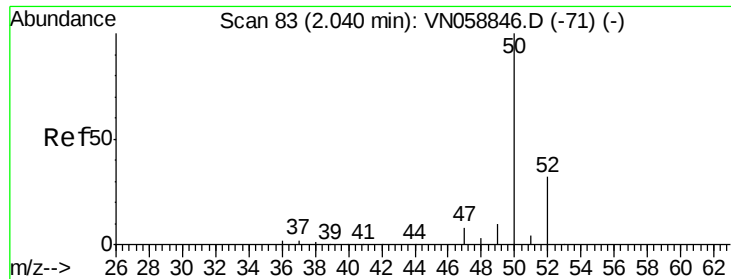
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0

1.75 1.80 1.85 1.90 1.95

Time-->

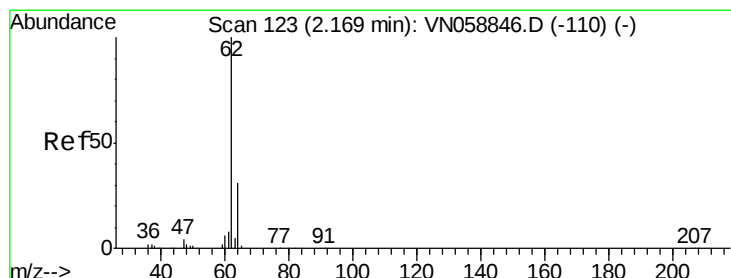
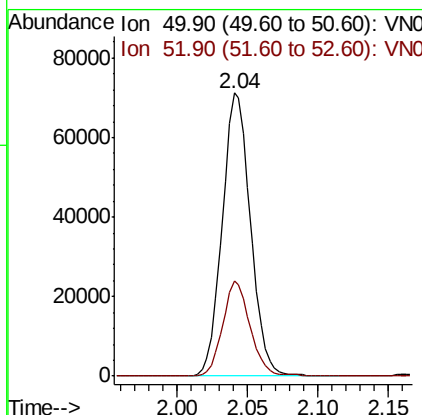
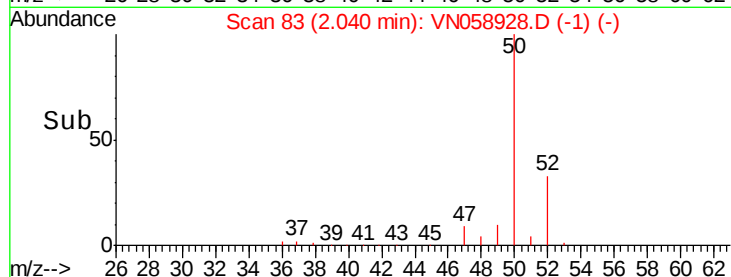
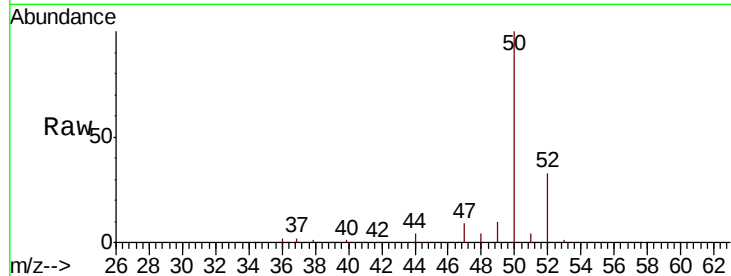




#3
 Chloromethane
 Concen: 19.522 ug/l
 RT: 2.04 min Scan# 83
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

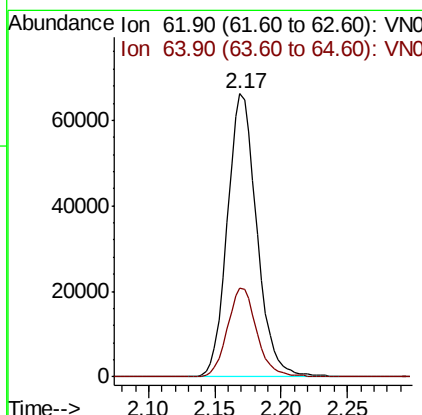
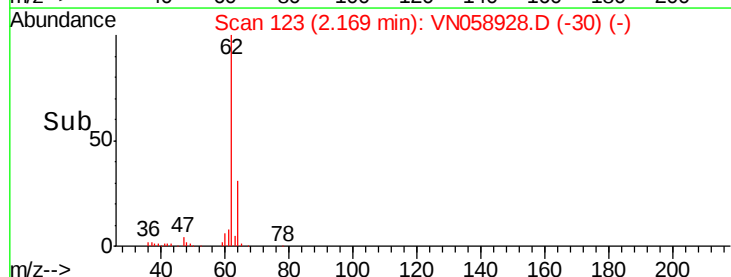
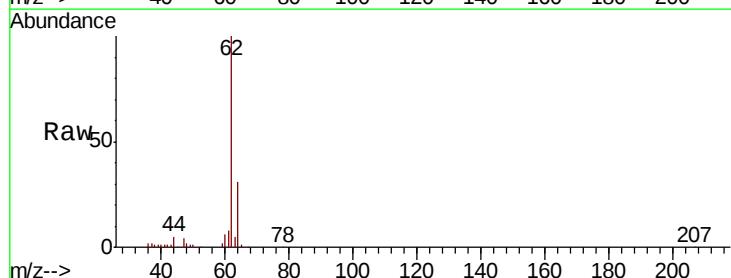
Instrument :
 MSVOA_N
 ClientSampled :

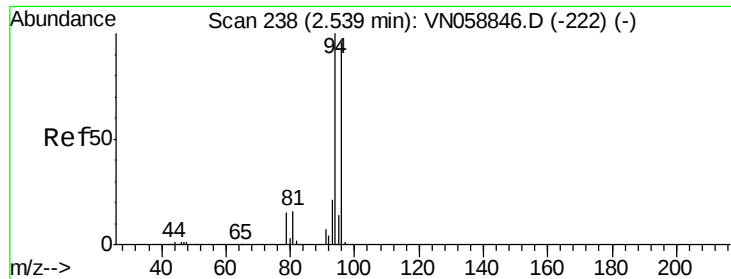
Tot Ion: 50 Resp: 99500
 Ion Ratio Lower Upper
 50 100
 52 33.5 25.7 38.5



#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

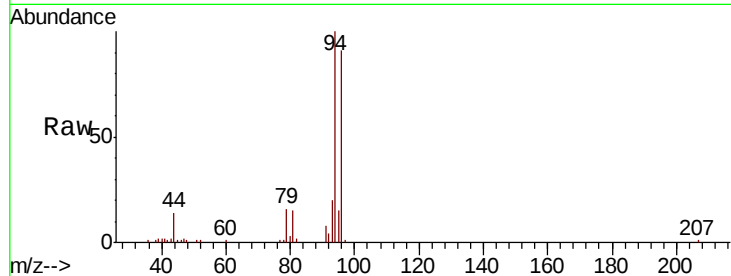
ClientSampled :

Tot Ion: 94 Resp: 62772

Ion Ratio Lower Upper

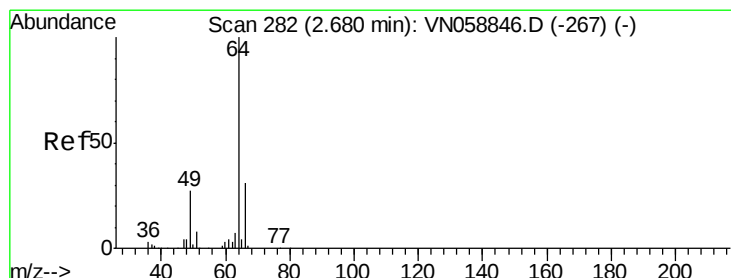
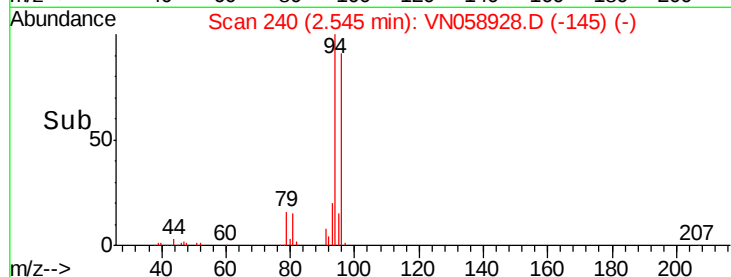
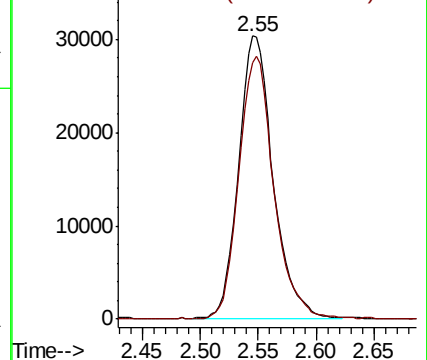
94 100

96 90.7 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.200 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058928.D

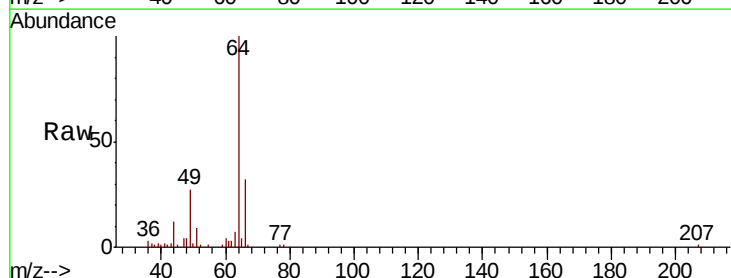
Acq: 23 Oct 2019 14:40

Tgt Ion: 64 Resp: 65556

Ion Ratio Lower Upper

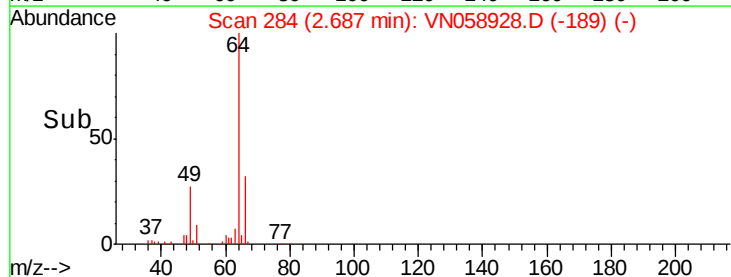
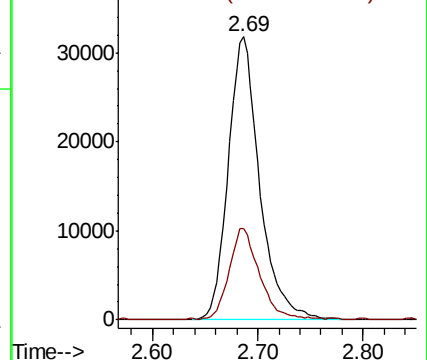
64 100

66 32.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



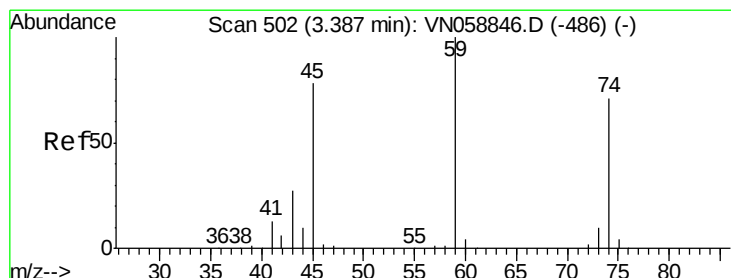
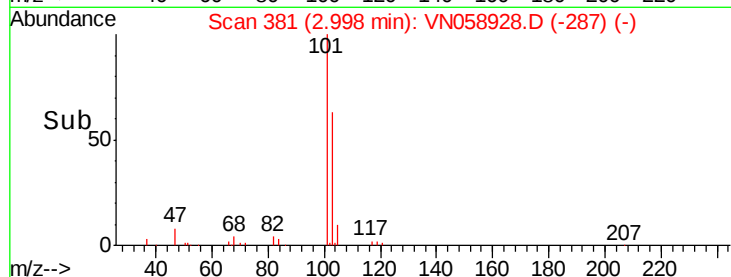
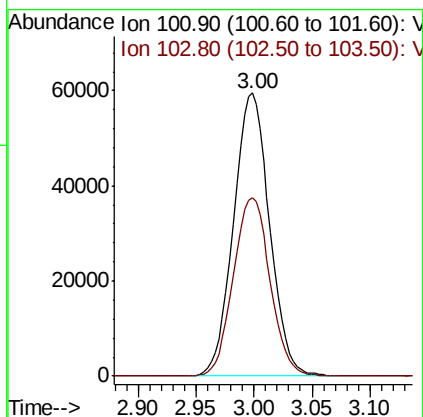
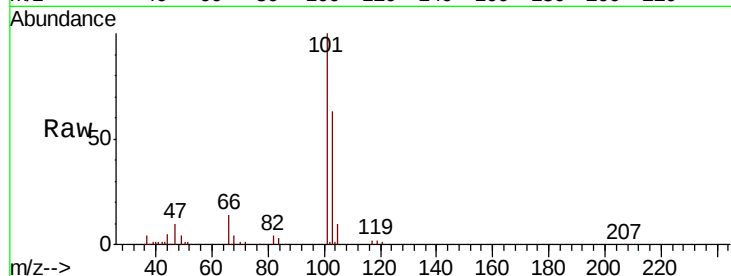


#7

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
ClientSampled :

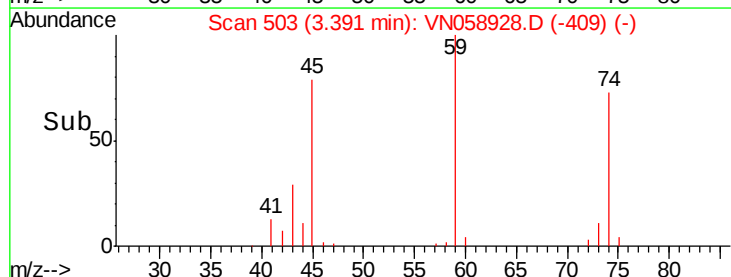
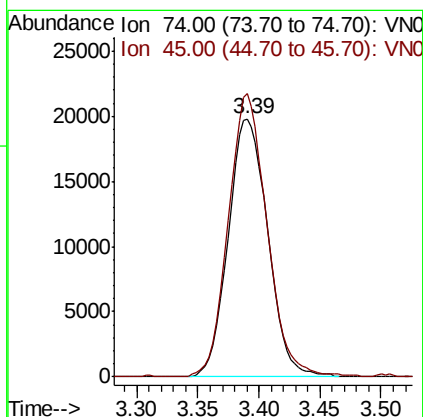
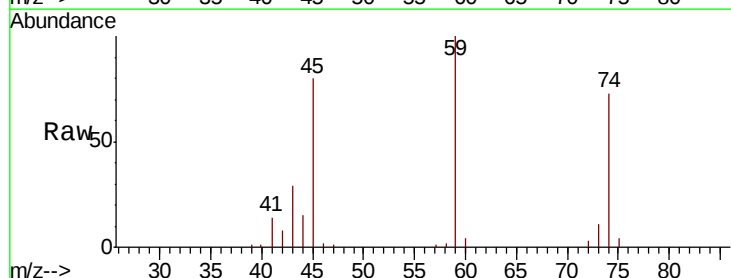
Tot Ion:101 Resp: 128087
Ion Ratio Lower Upper
101 100
103 62.9 52.2 78.2

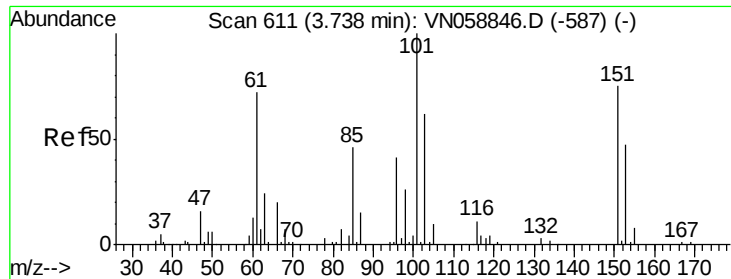


#8

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

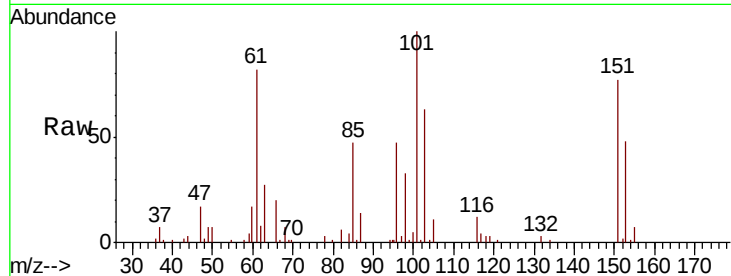




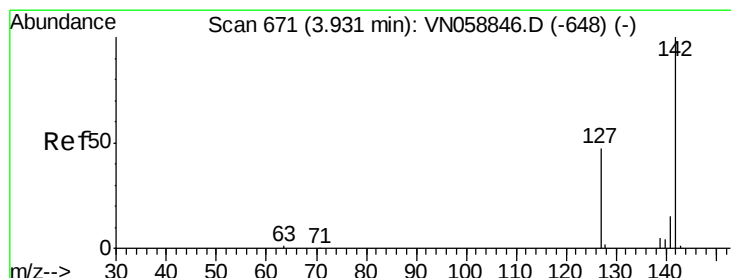
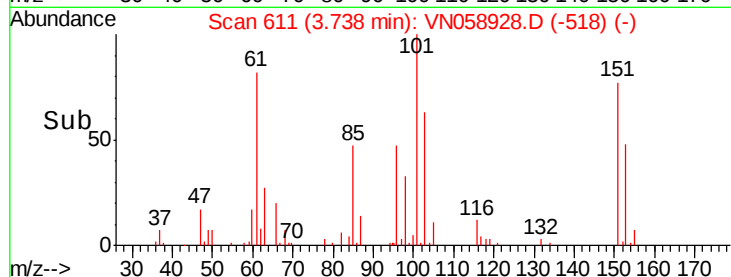
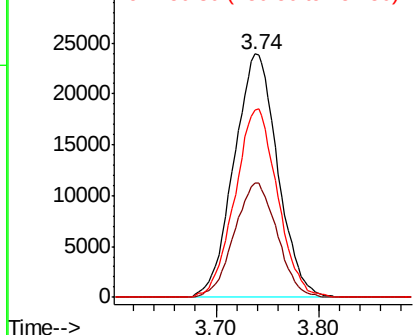
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.262 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058928.D
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Instrument :
 MSVOA_N
 ClientSampleId :

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

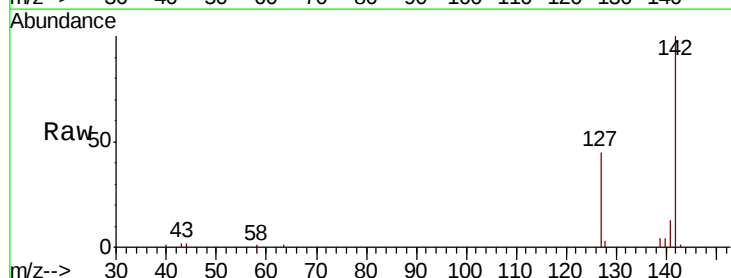


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

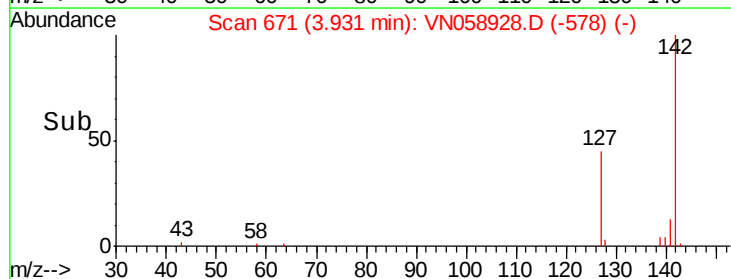
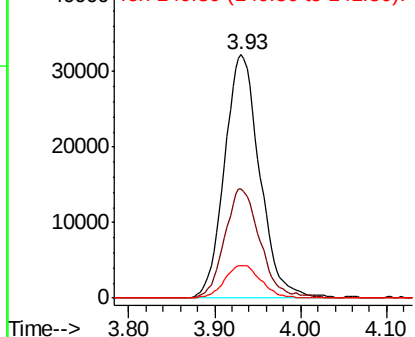


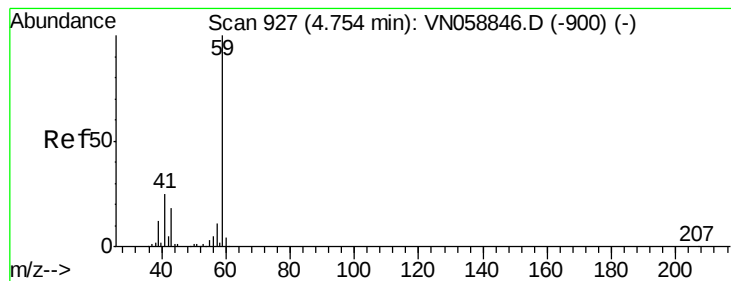
#10
 Methyl Iodide
 Concen: 20.097 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

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



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





#11

Tert butyl alcohol

Concen: 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

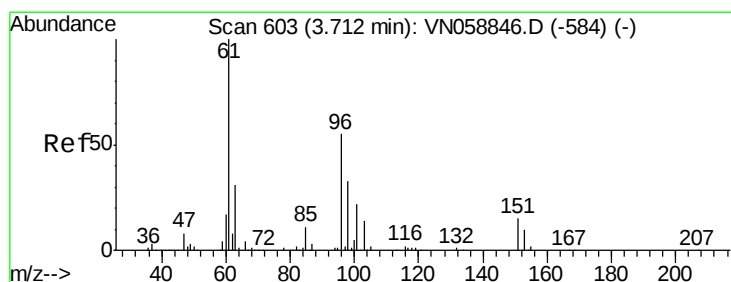
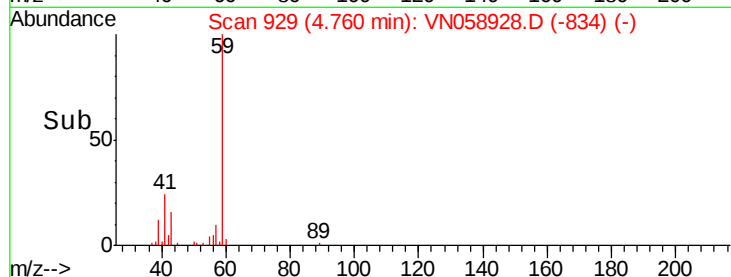
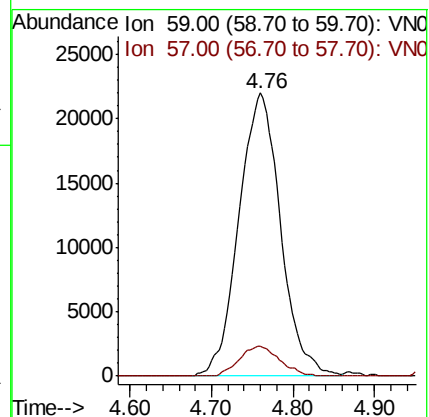
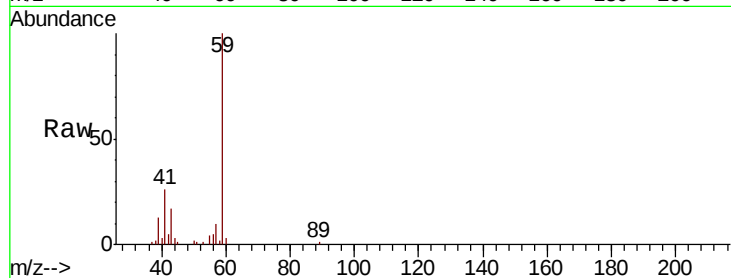
ClientSampleId :

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

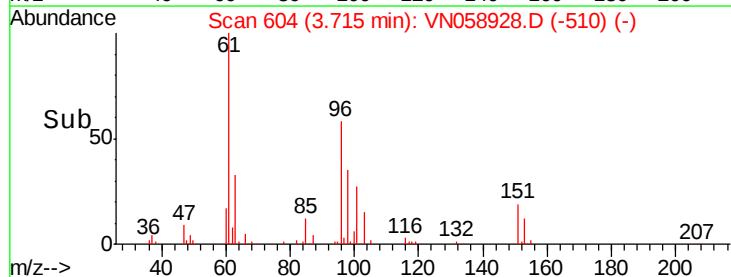
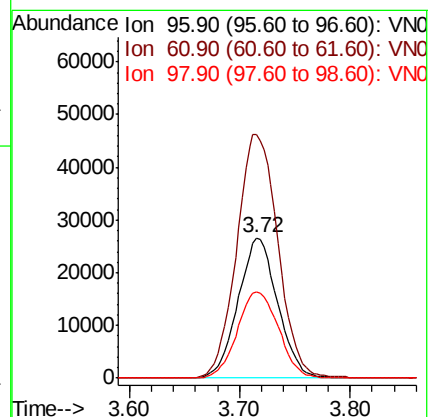
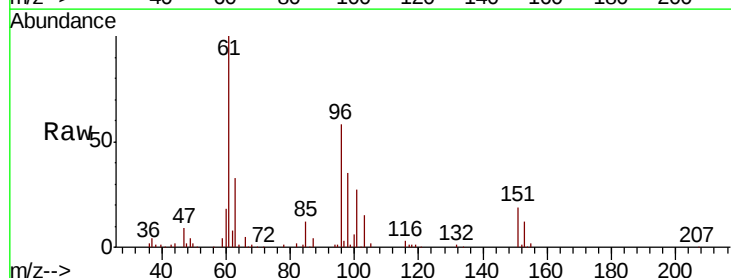
Tgt Ion: 96 Resp: 66107

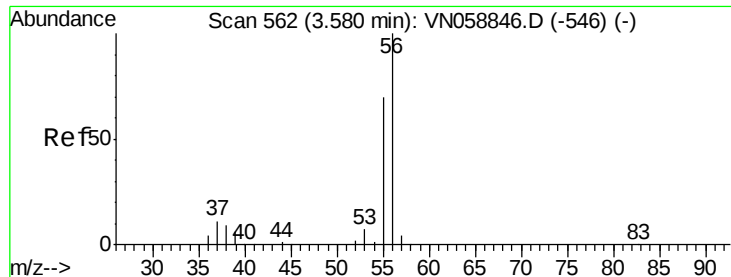
Ion Ratio Lower Upper

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

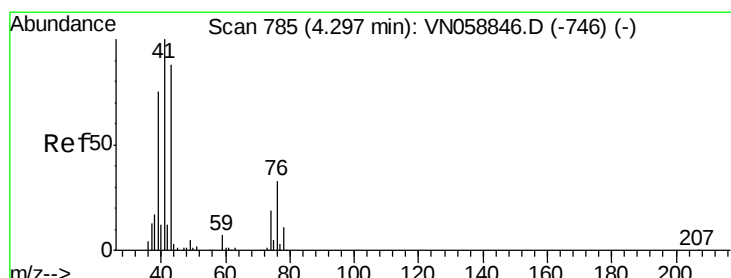
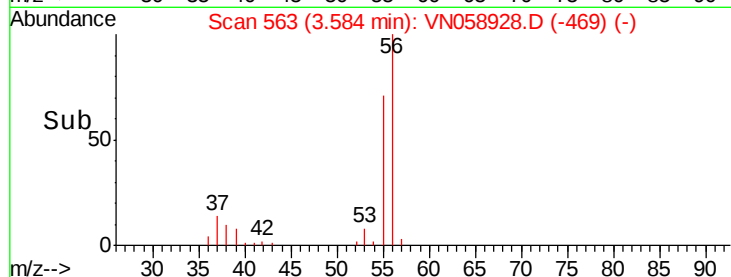
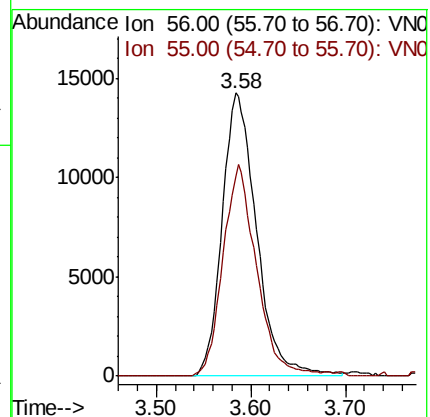
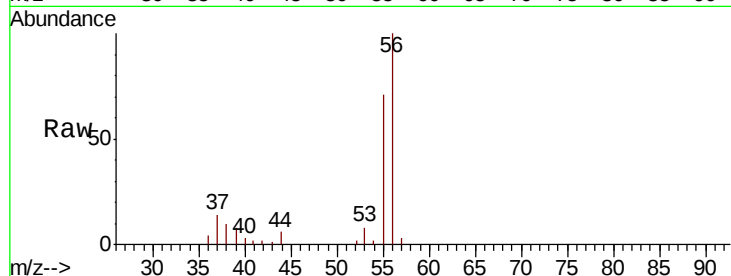
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 36013

Ion Ratio Lower Upper

56 100

55 72.7 56.6 85.0



#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

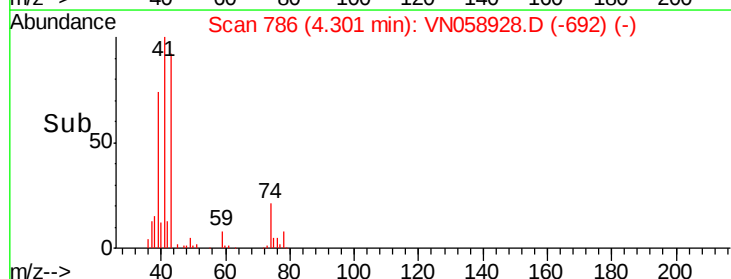
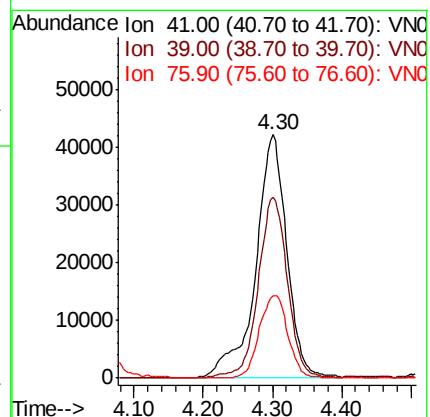
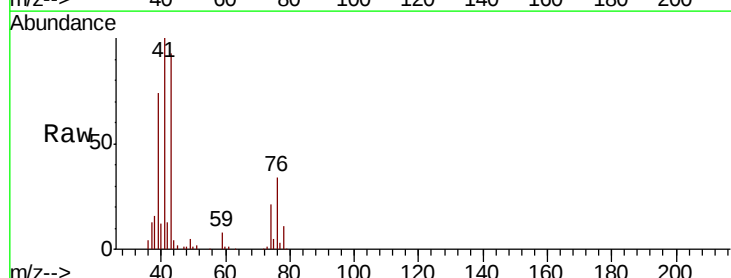
Tgt Ion: 41 Resp: 131959

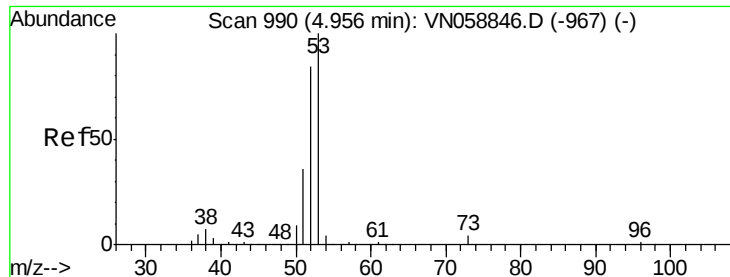
Ion Ratio Lower Upper

41 100

39 69.4 55.9 83.9

76 31.0 24.1 36.1





#15

Acrylonitrile

Concen: 103.676 ug/l

RT: 4.96 min Scan# 991

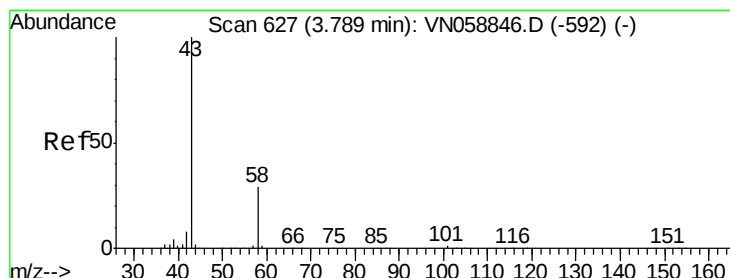
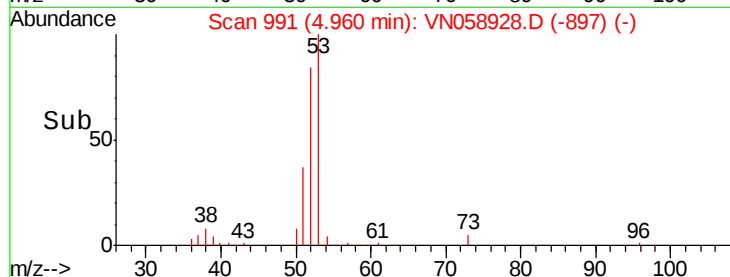
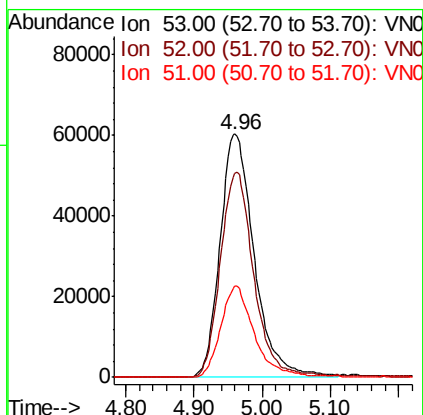
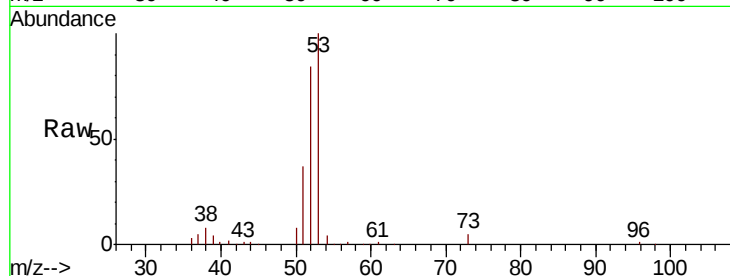
Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :

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



#16

Acetone

Concen: 84.019 ug/l

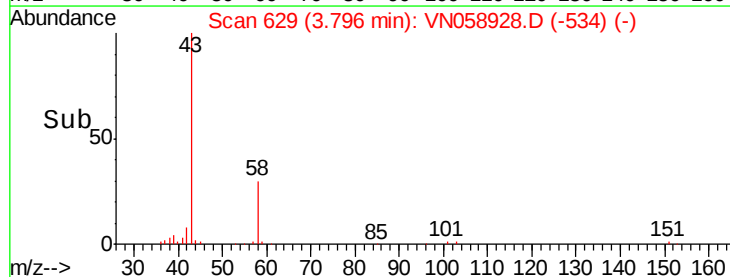
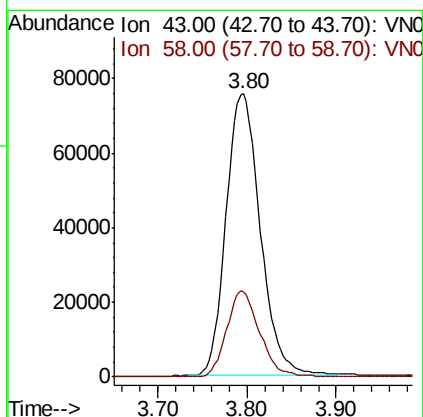
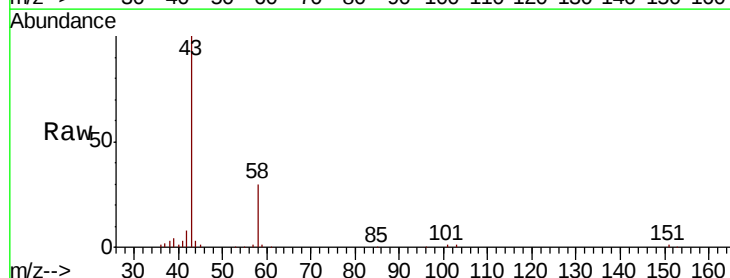
RT: 3.80 min Scan# 629

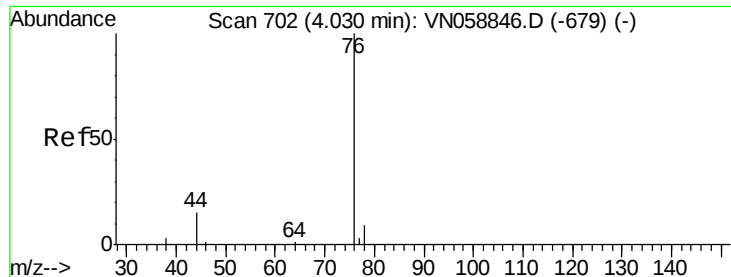
Delta R.T. 0.01 min

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

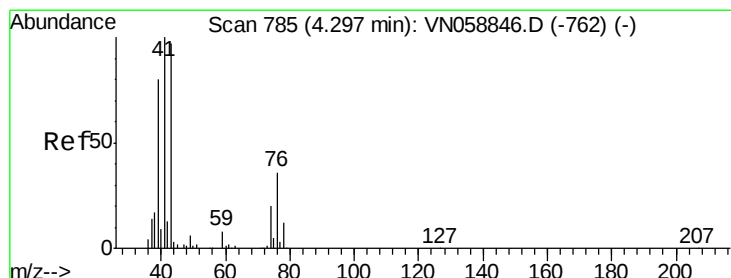
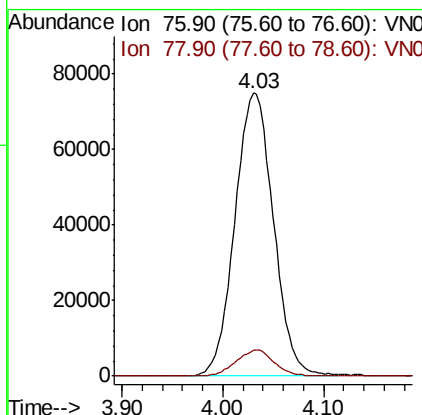
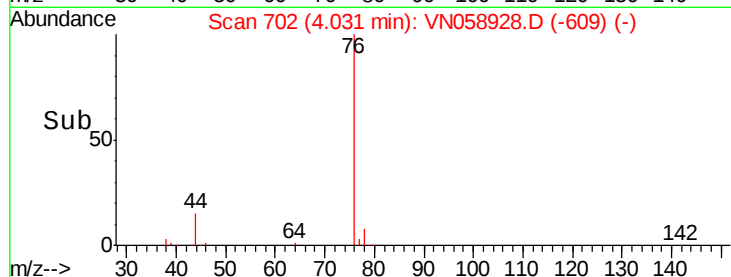
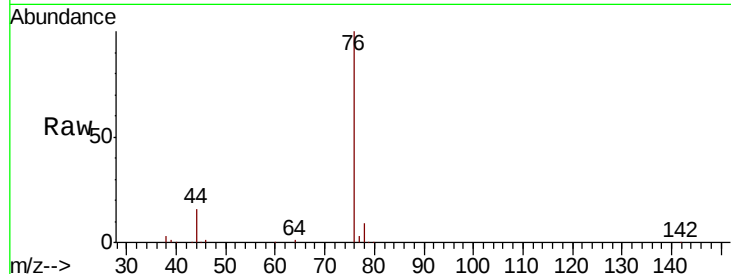




#17
Carbon Disulfide
Concen: 18.952 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

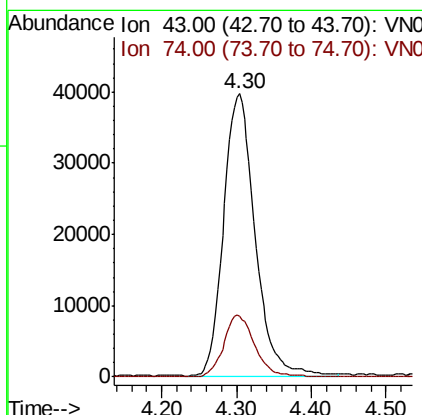
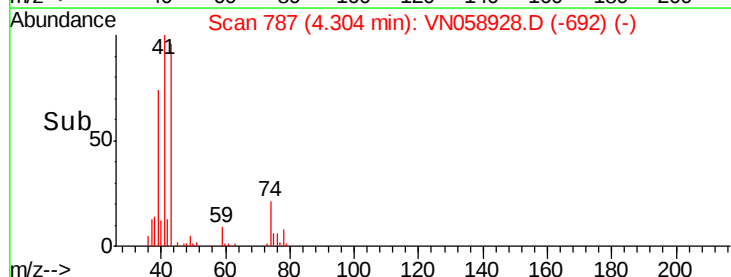
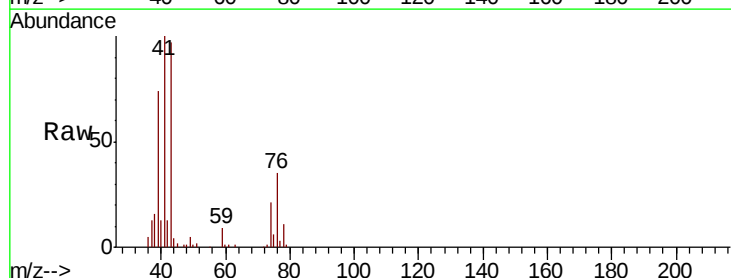
Instrument :
MSVOA_N
ClientSampleId :

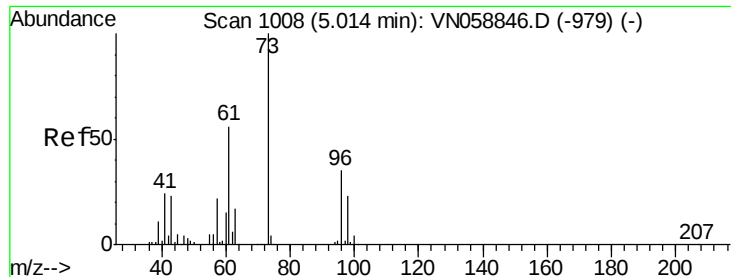
Tot Ion: 76 Resp: 198647
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#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

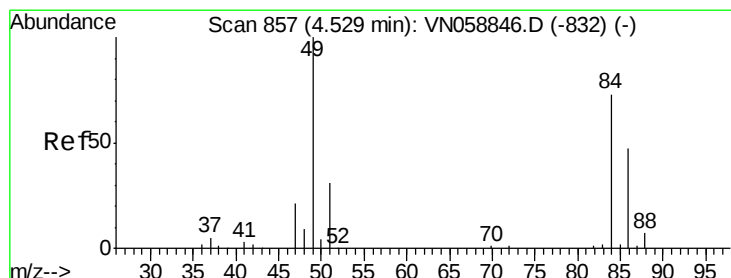
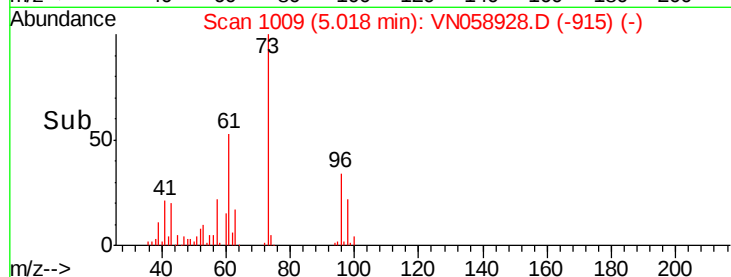
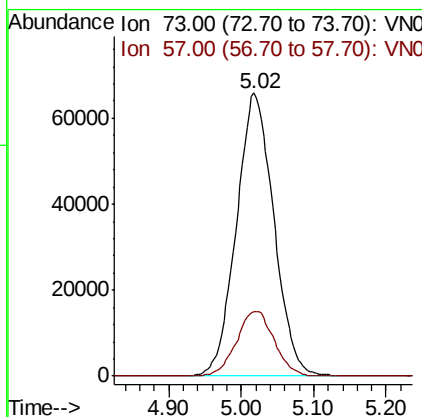
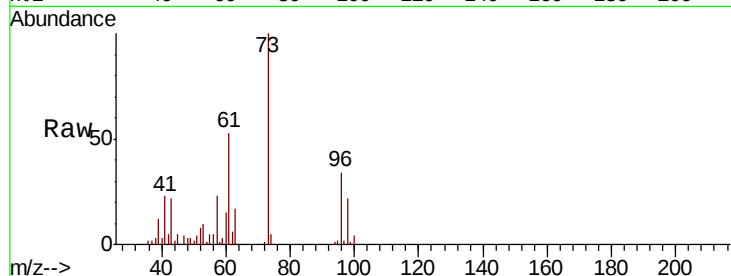




#19
Methvl tert-butvl Ether
Concen: 20.758 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

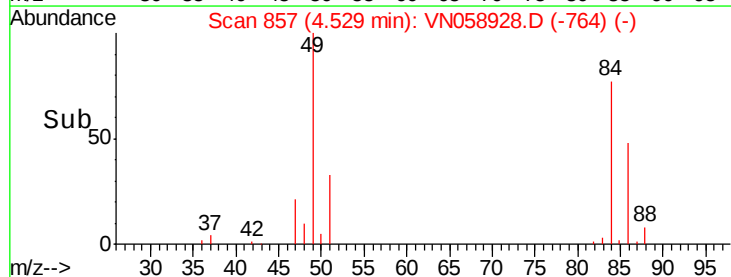
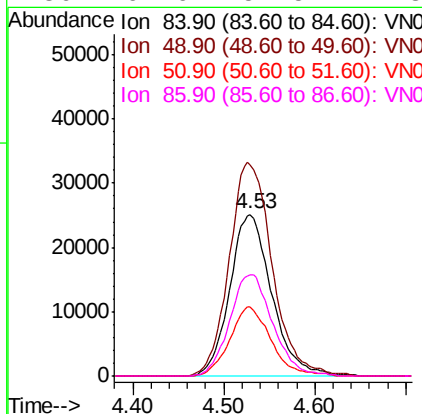
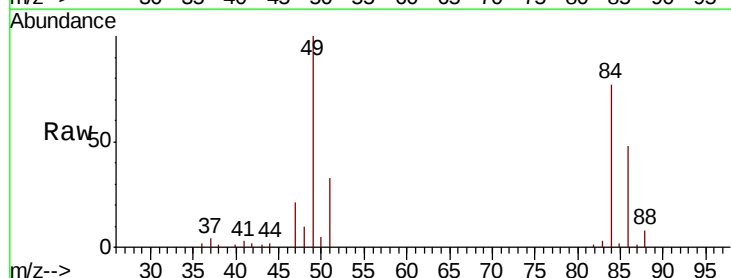
Instrument :
MSVOA_N
ClientSampled :

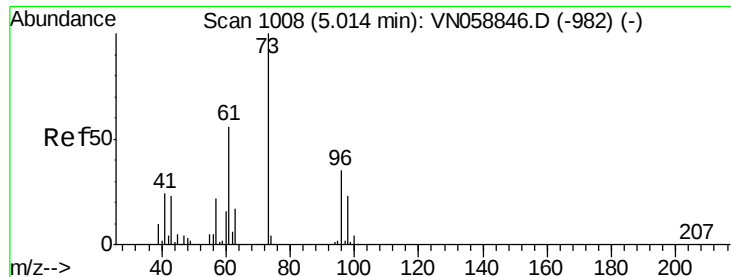
Tot Ion: 73 Resp: 236515
Ion Ratio Lower Upper
73 100
57 22.6 17.9 26.9



#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

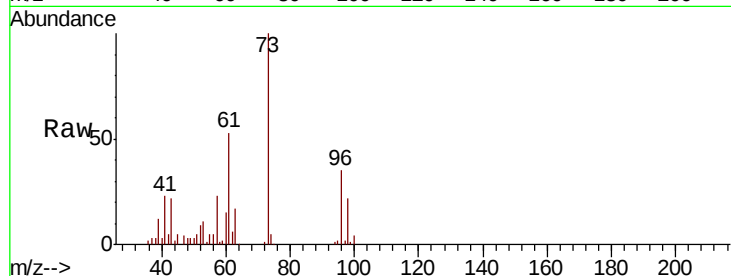




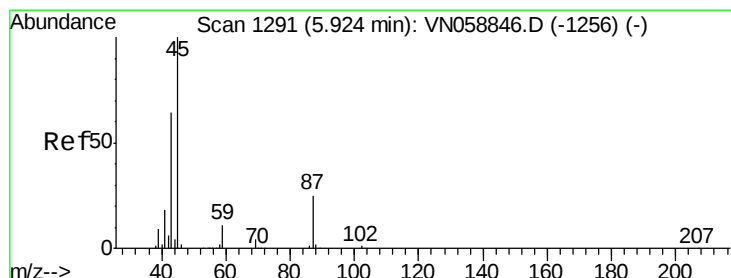
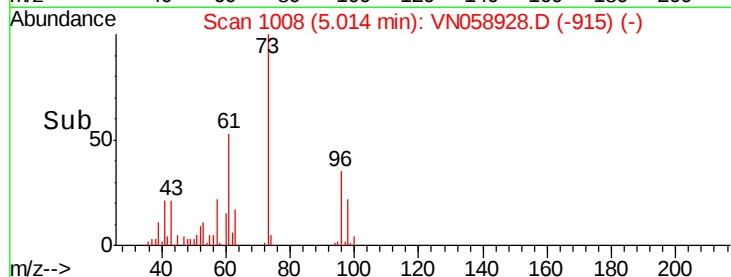
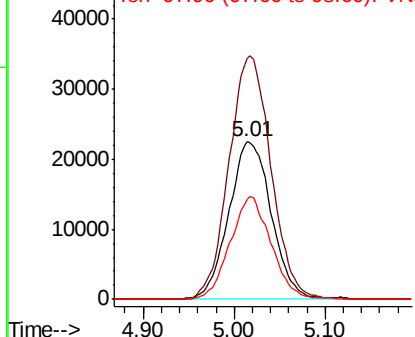
#21
trans-1,2-Dichloroethene
Concen: 20.348 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :

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

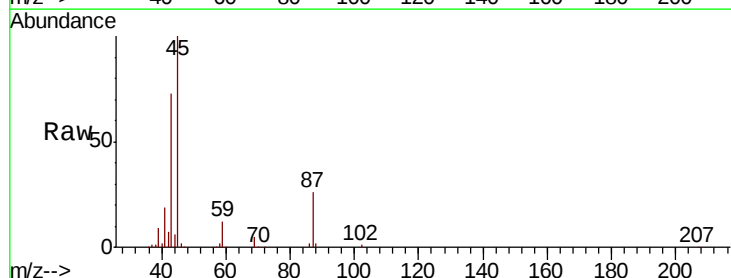


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

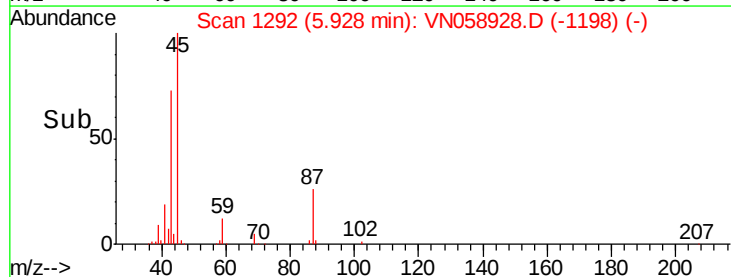
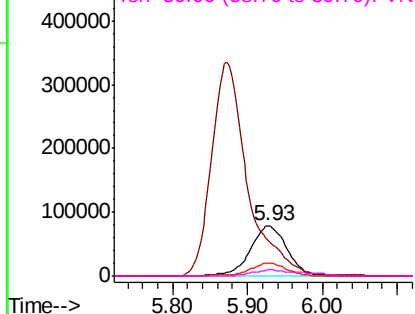


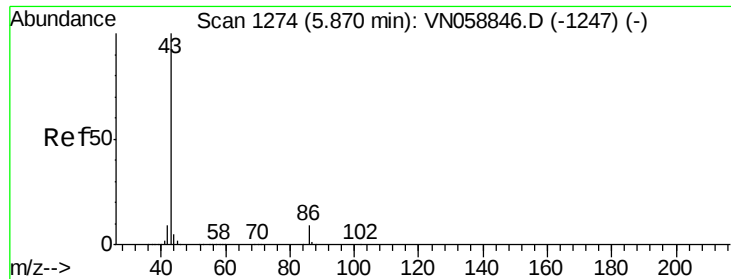
#22
Diisopropyl ether
Concen: 20.858 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

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): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC

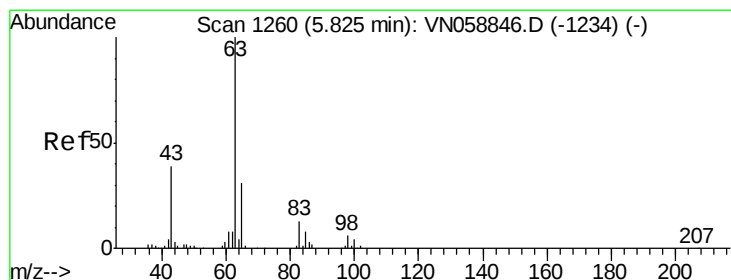
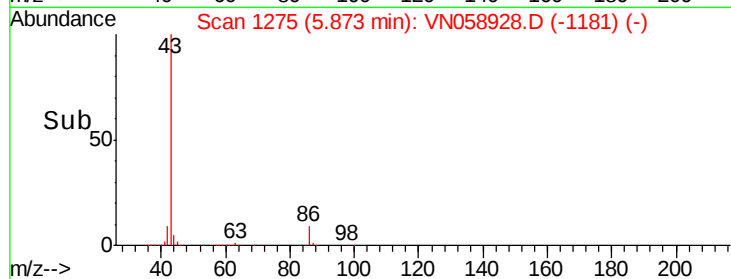
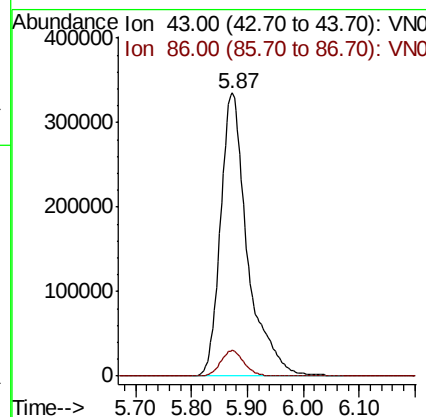
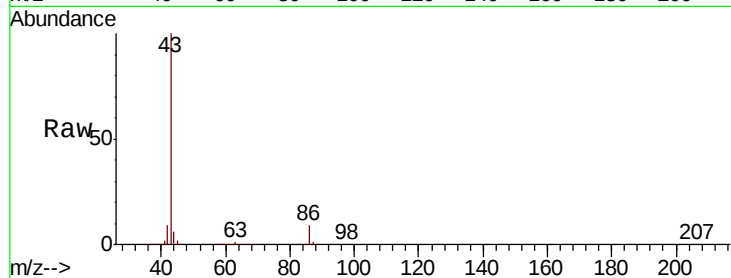




#23
 Vinyl Acetate
 Concen: 108.860 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

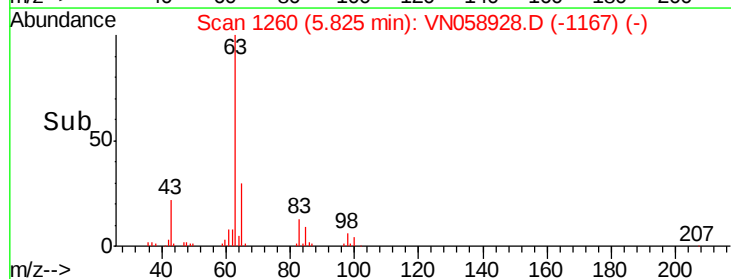
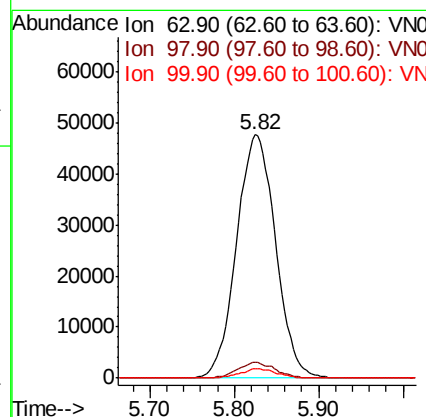
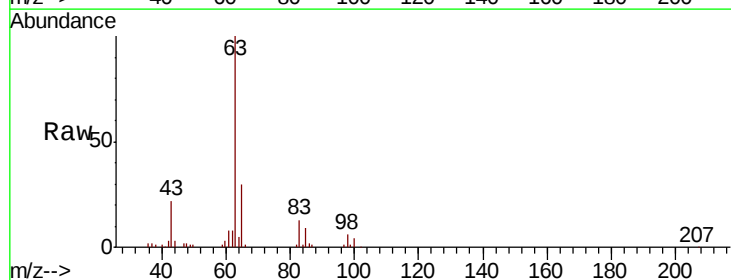
Instrument :
 MSVOA_N
 ClientSampleId :

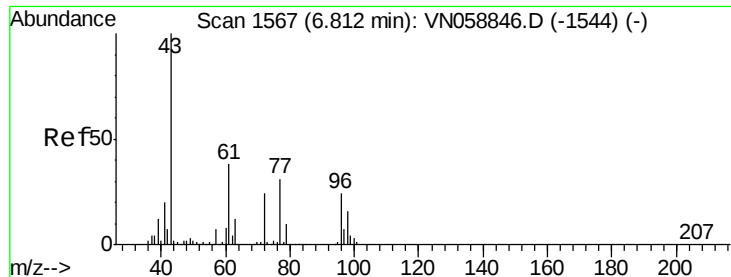
Tot Ion: 43 Resp: 1126392
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.2 10.8



#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

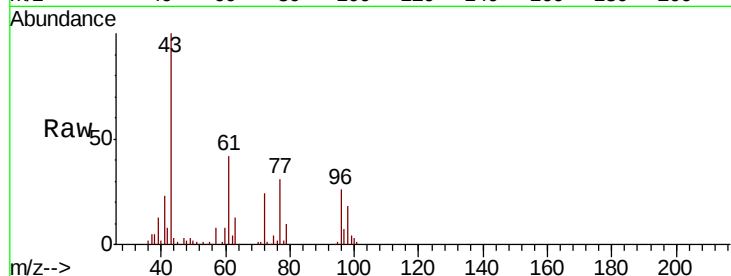
ClientSampleId :

Tot Ion: 43 Resp: 293061

Ion Ratio Lower Upper

43 100

72 24.5 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1544) (-)

Ion 72.00 (71.70 to 72.70): VN058846.D (-1544) (-)

6.82

100000

80000

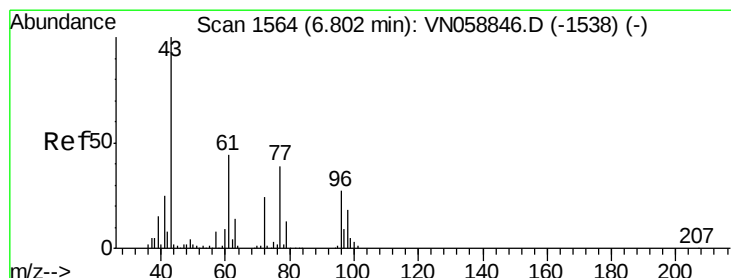
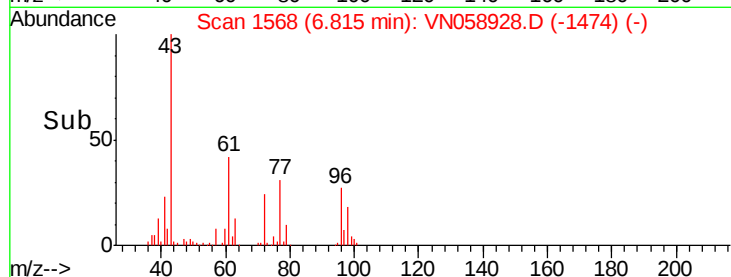
60000

40000

20000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#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

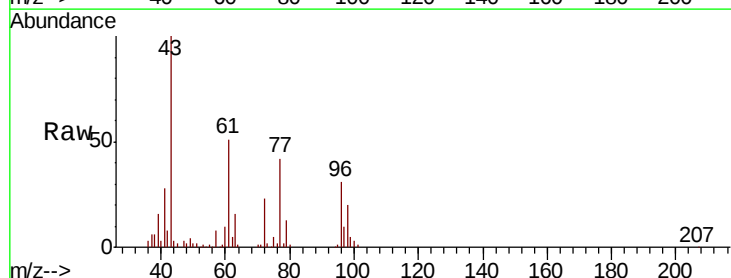
Acq: 23 Oct 2019 14:40

Tgt Ion: 77 Resp: 123071

Ion Ratio Lower Upper

77 100

97 22.5 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN058846.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN058846.D (-1538) (-)

6.81

40000

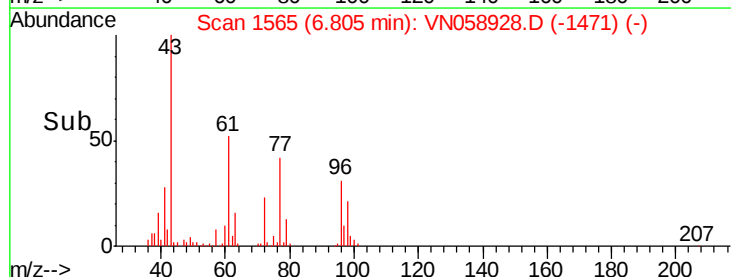
30000

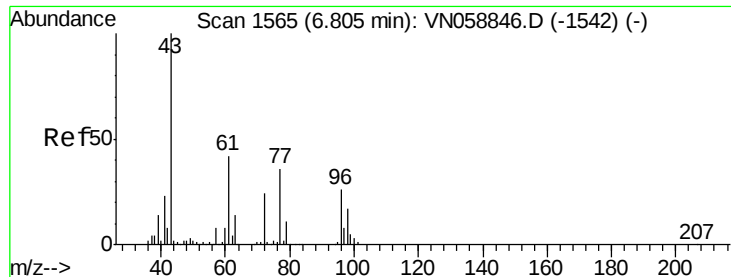
20000

10000

0

Time--> 6.70 6.80 6.90





#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 :

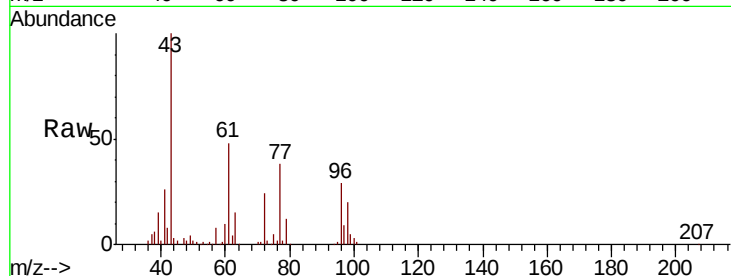
Tot Ion: 96 Resp: 83461

Ion Ratio Lower Upper

96 100

61 162.0 0.0 325.0

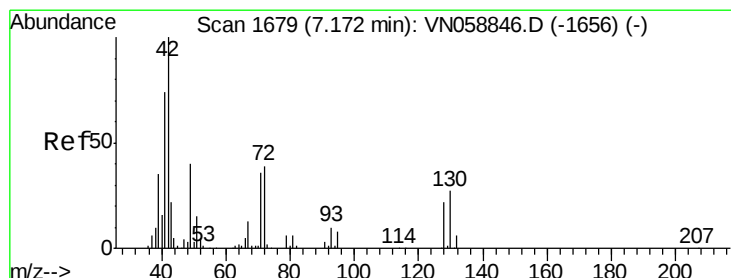
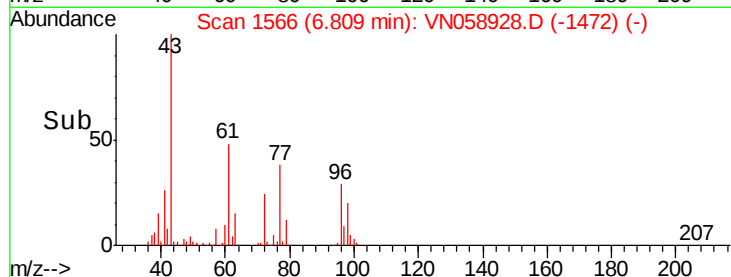
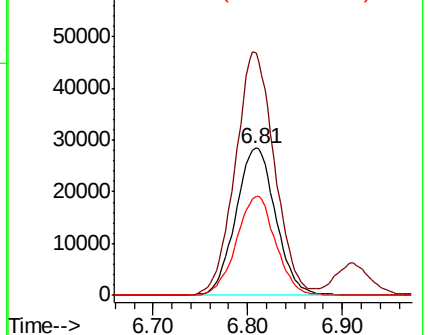
98 65.9 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#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

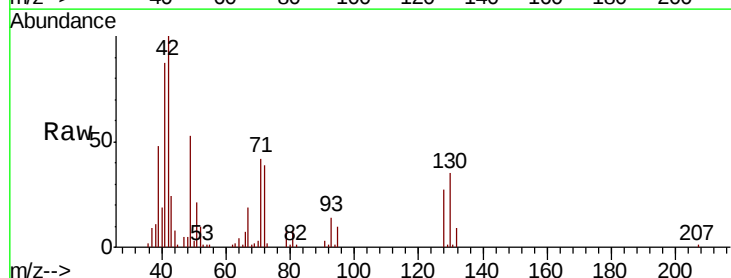
Tgt Ion: 49 Resp: 51200

Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.2

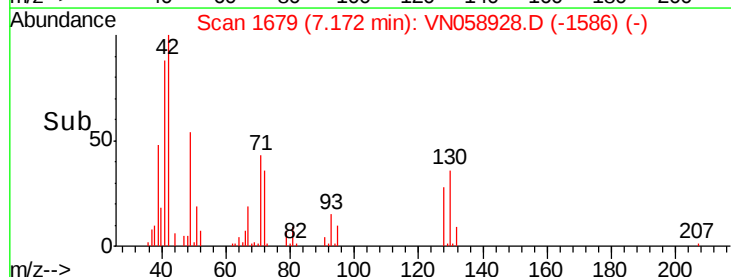
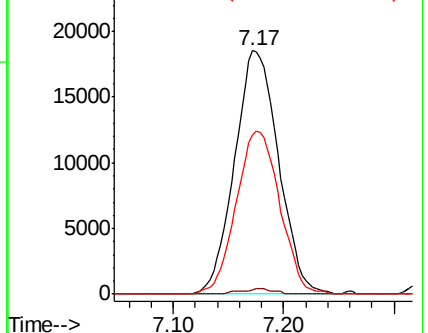
130 66.3 53.5 80.3

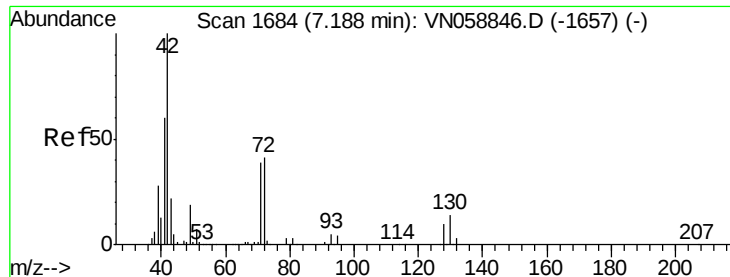


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 101.625 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.01 min

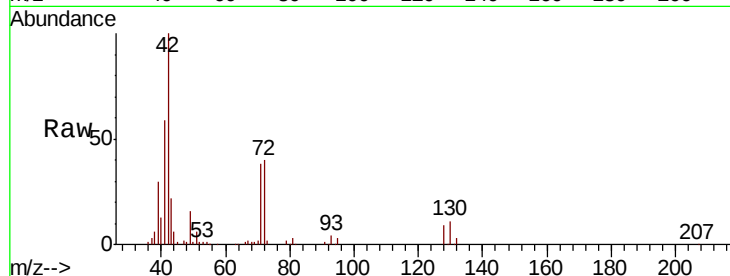
Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 193044

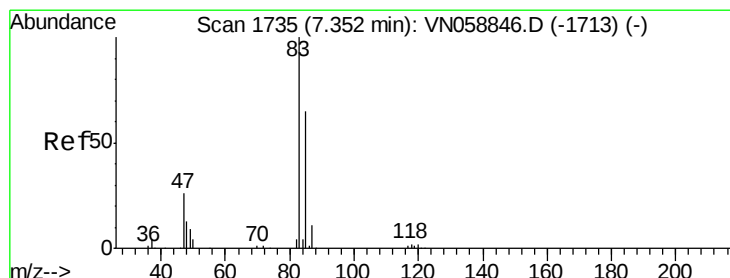
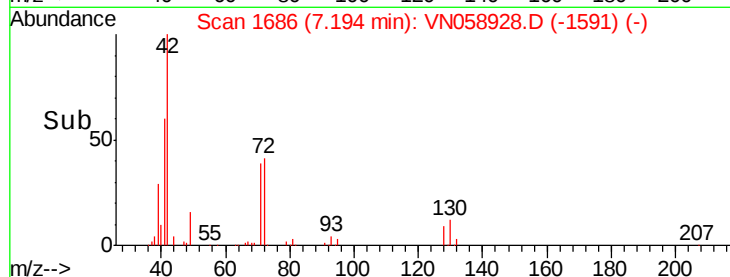
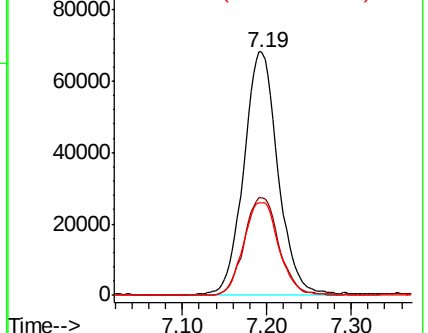
Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.2	48.2
71	38.9	30.6	45.8



Abundance Ion 42.00 (41.70 to 42.70): VN058846.D (-1657) (-)

Ion 72.00 (71.70 to 72.70): VN058846.D (-1657) (-)

Ion 71.00 (70.70 to 71.70): VN058846.D (-1657) (-)



#30

Chloroform

Concen: 20.213 ug/l

RT: 7.36 min Scan# 1736

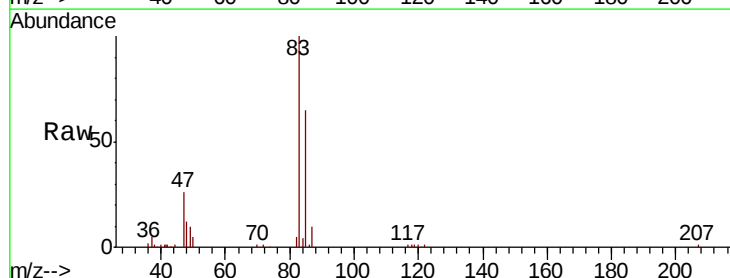
Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

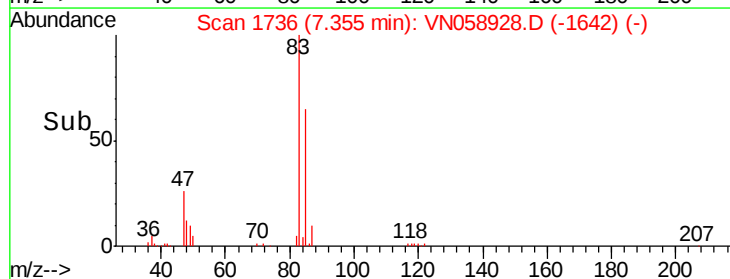
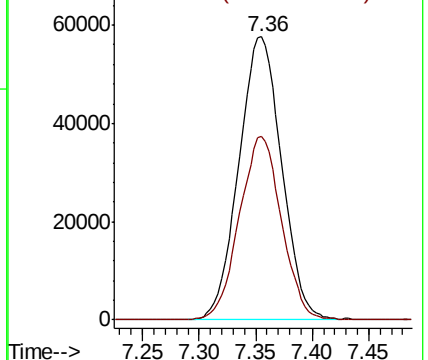
Tgt Ion: 83 Resp: 151414

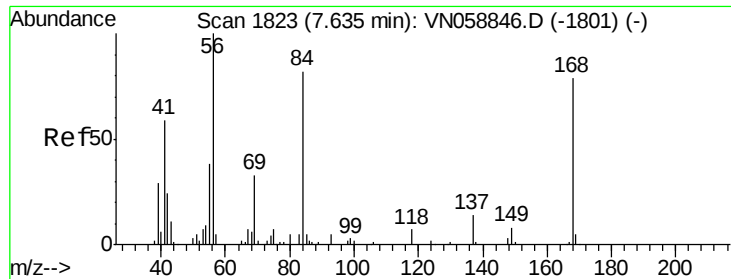
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.9	77.9



Abundance Ion 82.90 (82.60 to 83.60): VN058846.D (-1713) (-)

Ion 84.90 (84.60 to 85.60): VN058846.D (-1713) (-)

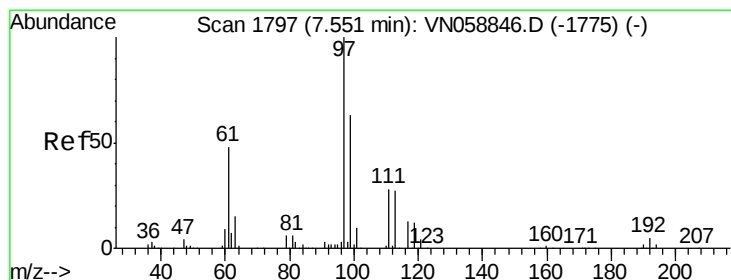
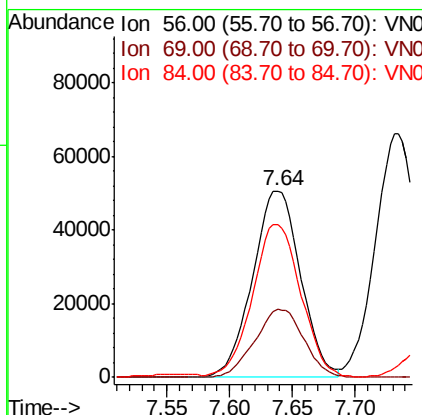
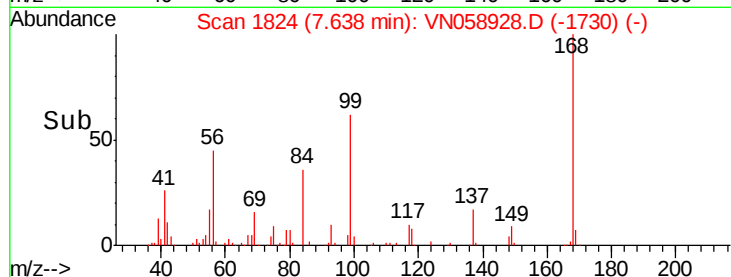
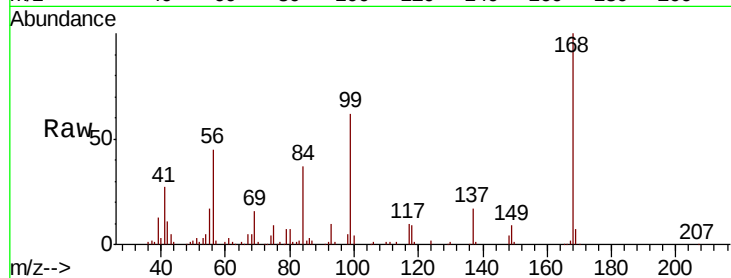




#31
Cyclohexane
Concen: 19.405 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

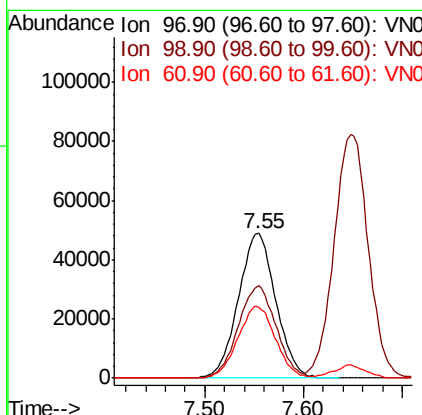
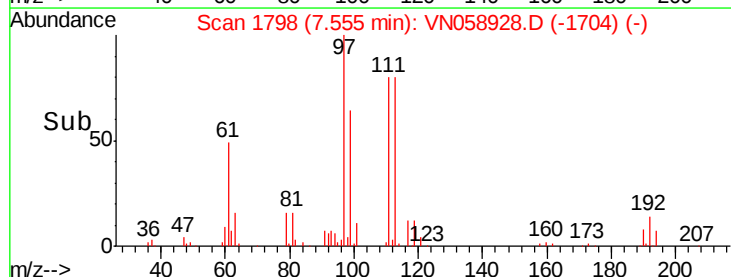
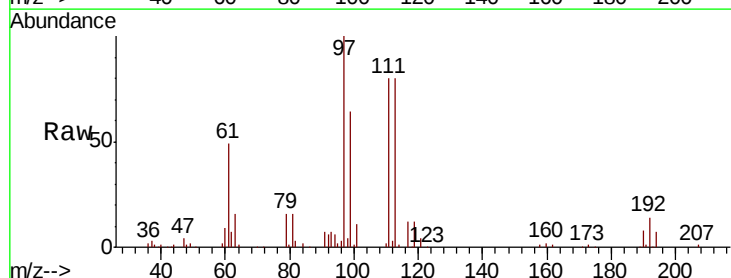
Instrument :
MSVOA_N
ClientSampled :

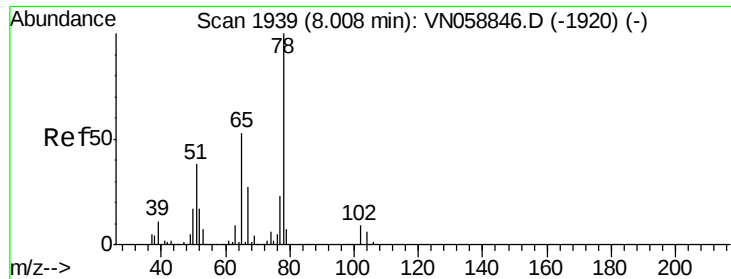
Tot Ion: 56 Resp: 135003
Ion Ratio Lower Upper
56 100
69 36.3 26.2 39.4
84 80.0 65.6 98.4



#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

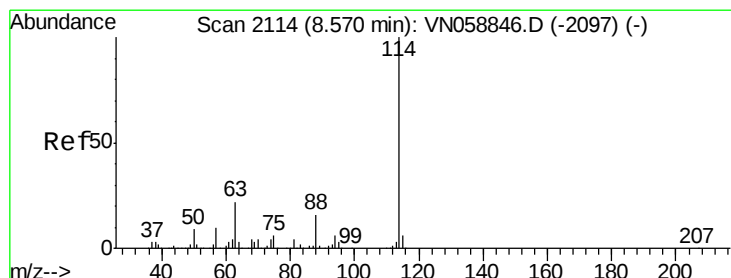
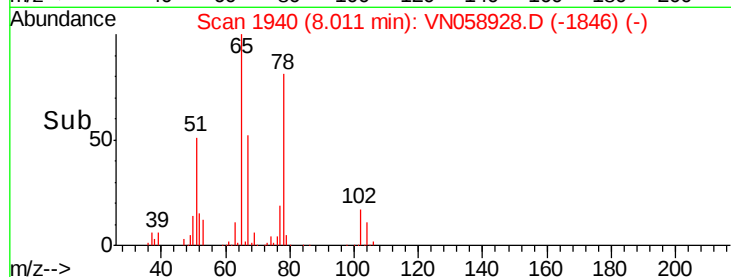
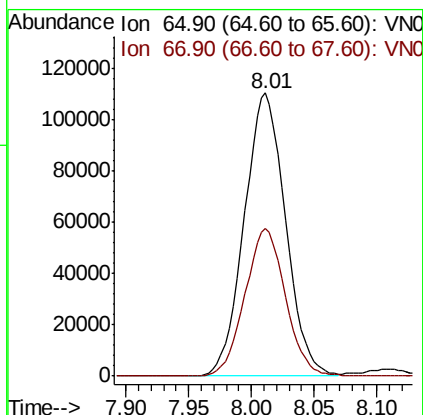
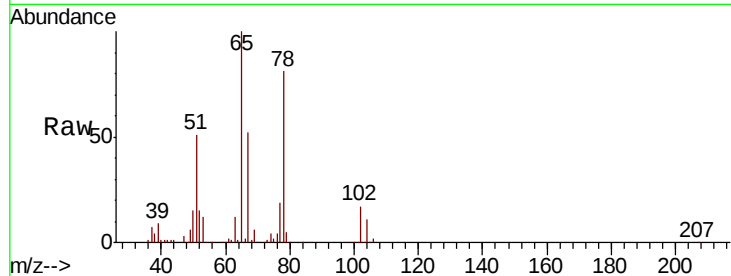




#33
 1,2-Dichloroethane-d4
 Concen: 52.261 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

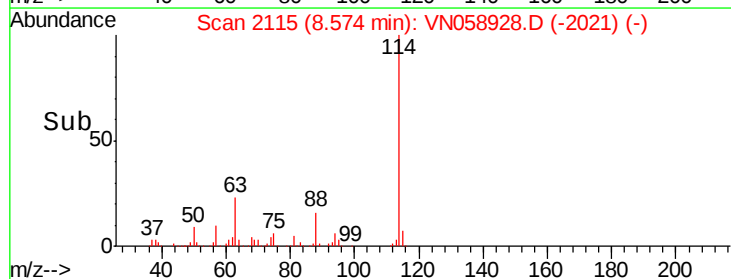
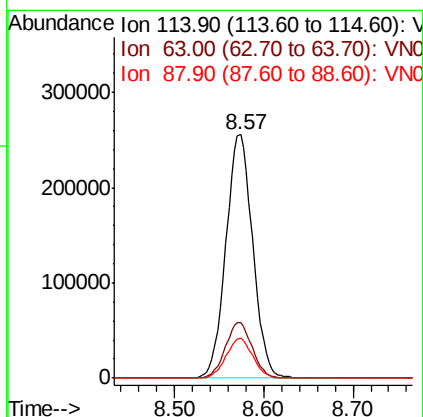
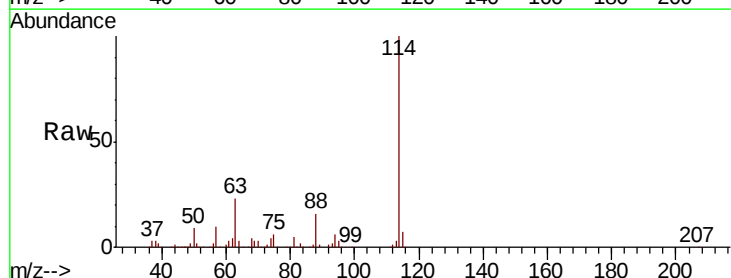
Instrument :
 MSVOA_N
 ClientSampleId :

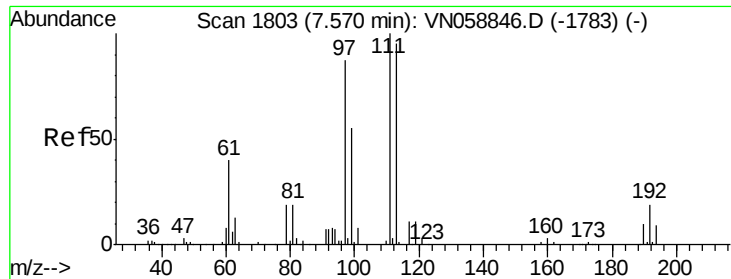
Tot Ion: 65 Resp: 252993
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.2



#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

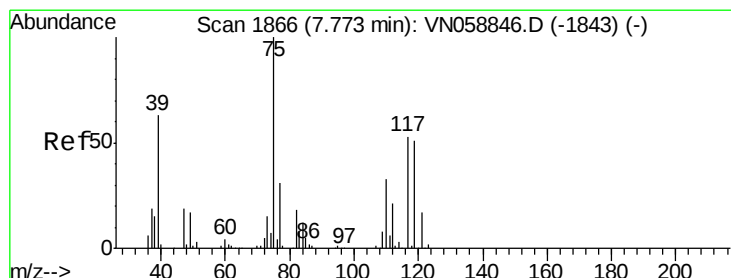
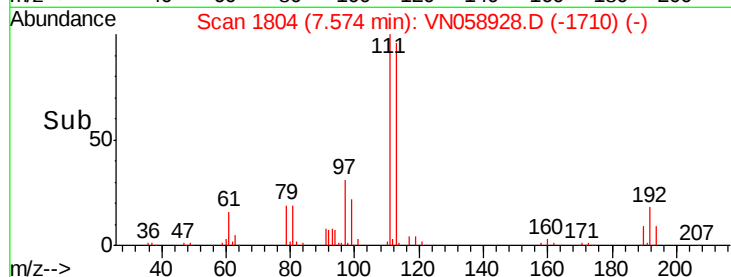
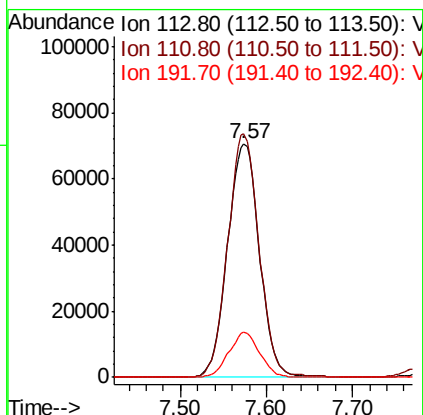
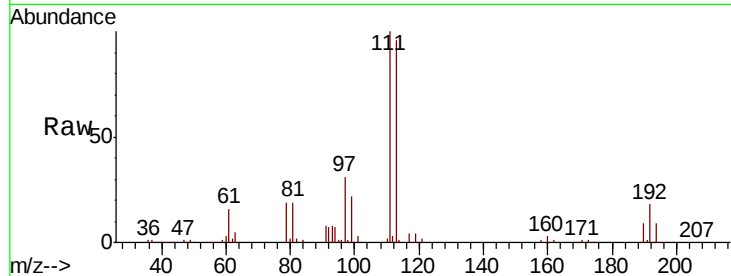




#35
 Dibromofluoromethane
 Concen: 51.978 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

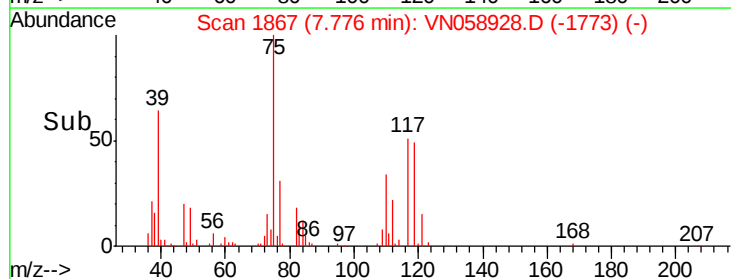
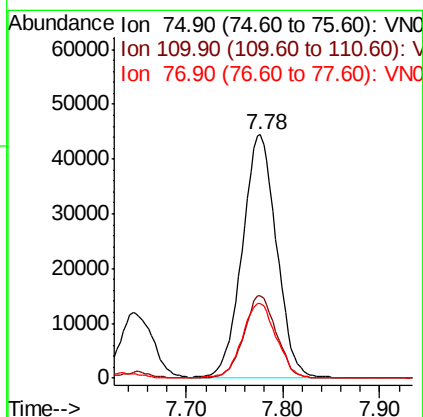
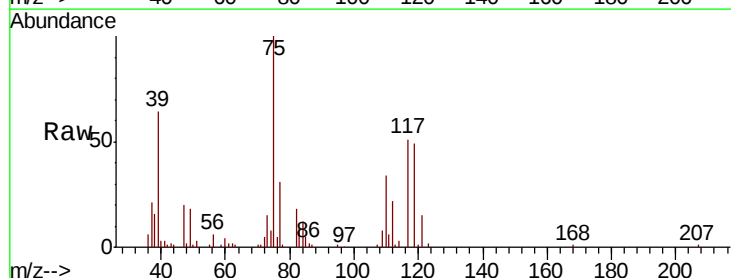
Instrument :
 MSVOA_N
 ClientSampleId :

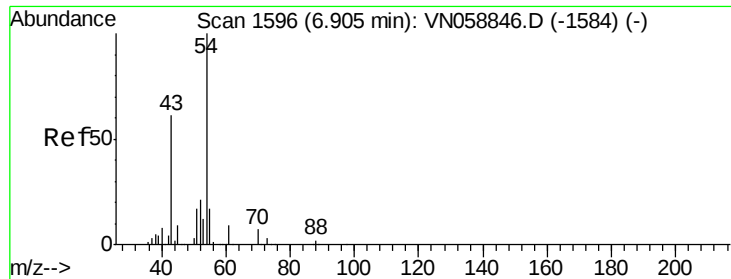
Tot Ion:113 Resp: 181764
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.0 123.0
 192 18.6 15.0 22.6



#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

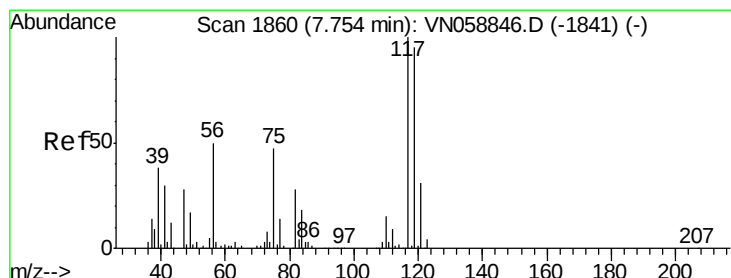
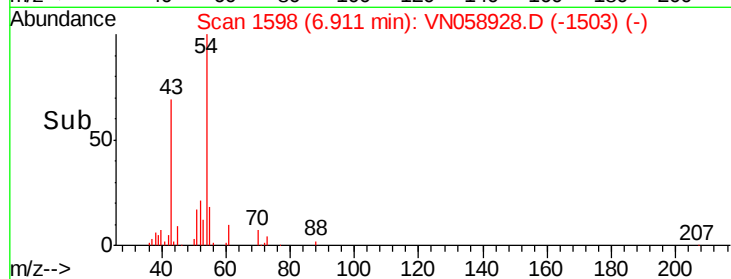
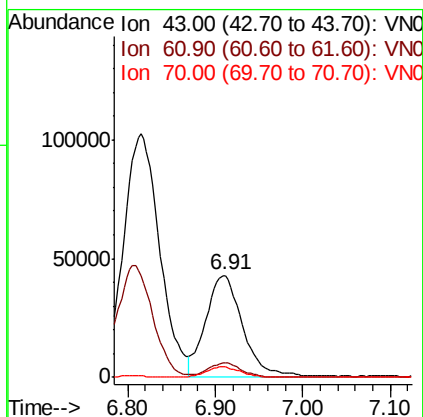
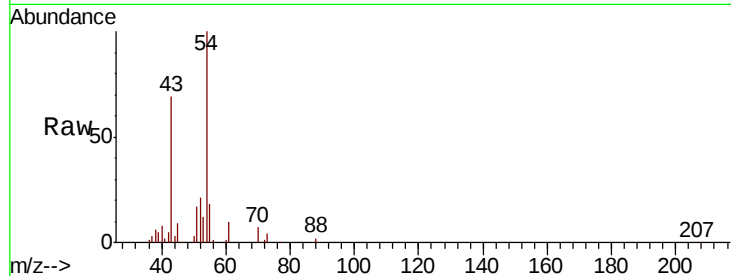




#37
Ethyl Acetate
Concen: 20.981 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.01 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

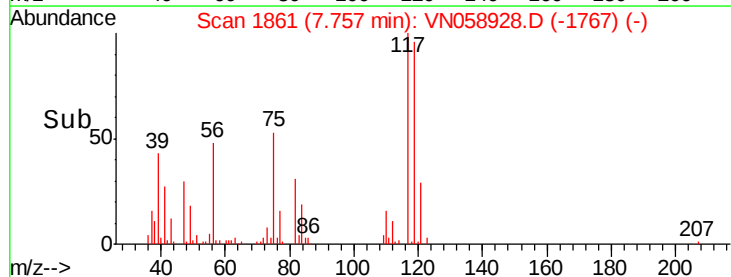
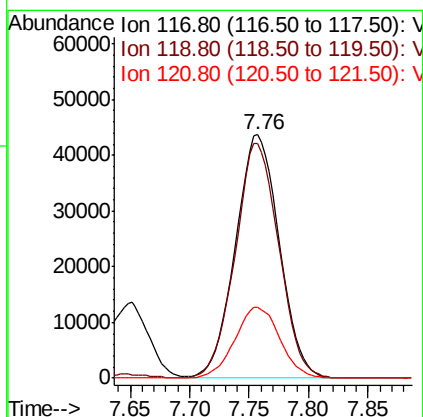
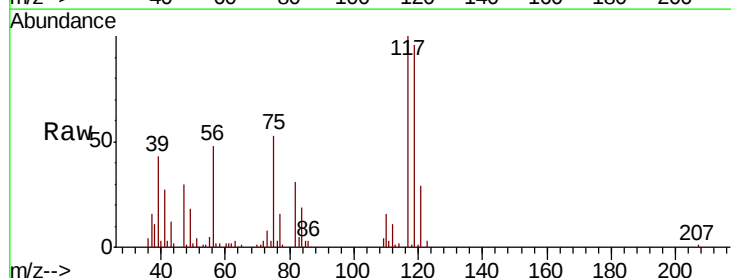
Instrument :
MSVOA_N
ClientSampled :

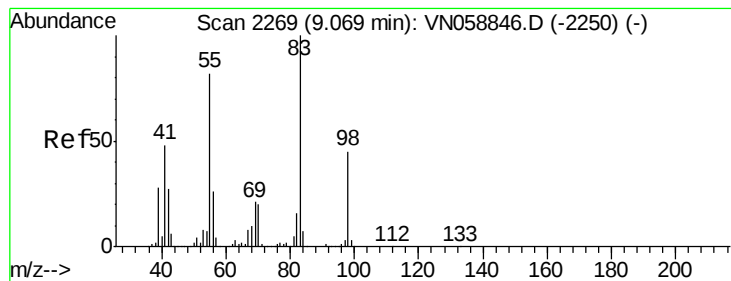
Tot Ion: 43 Resp: 124486
Ion Ratio Lower Upper
43 100
61 12.1 10.5 15.7
70 9.5 7.6 11.4



#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





#39

Methvlcvclohexane

Concen: 19.298 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

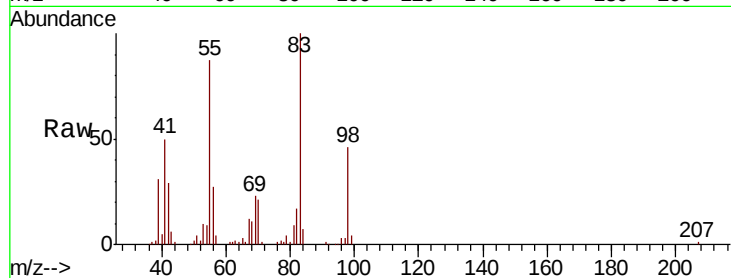
Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 117993

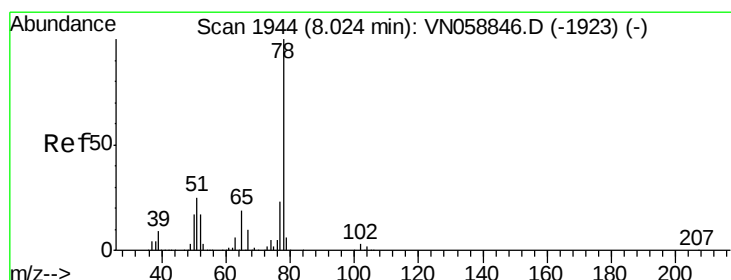
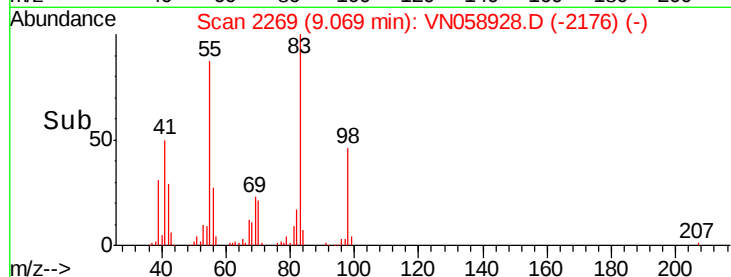
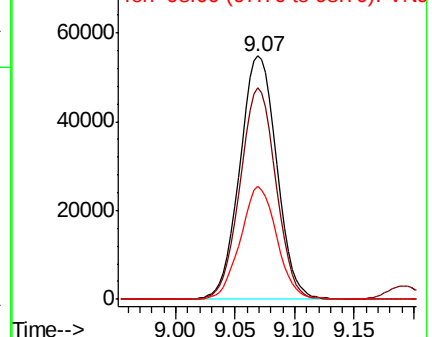
Ion	Ratio	Lower	Upper
83	100		
55	86.7	65.5	98.3
98	46.2	35.7	53.5



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

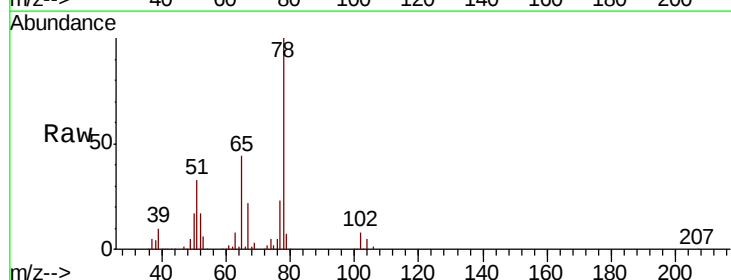
Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

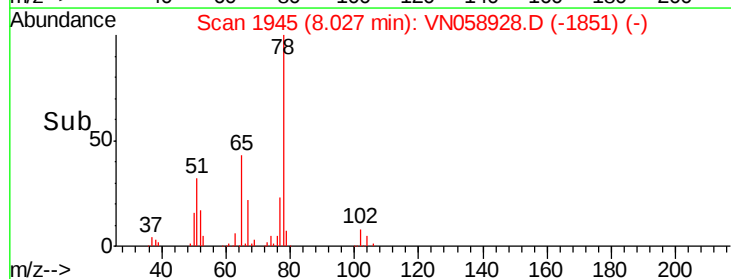
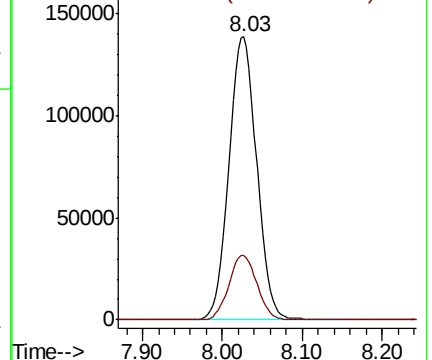
Tgt Ion: 78 Resp: 328386

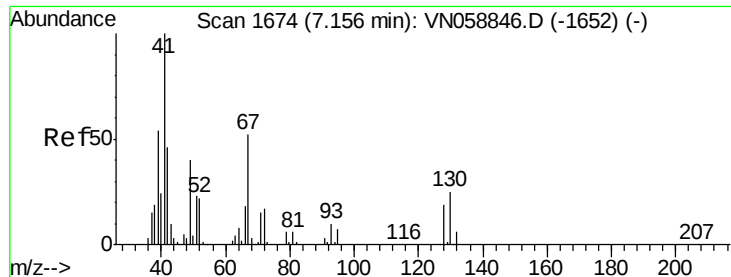
Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.2	27.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

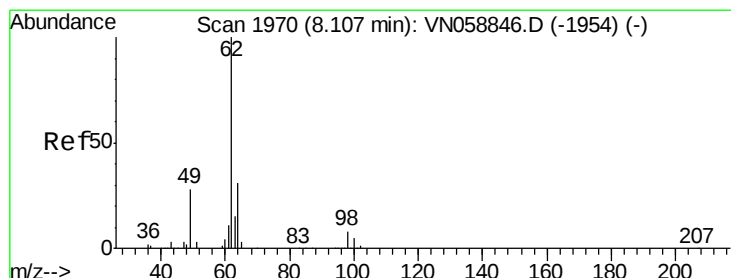
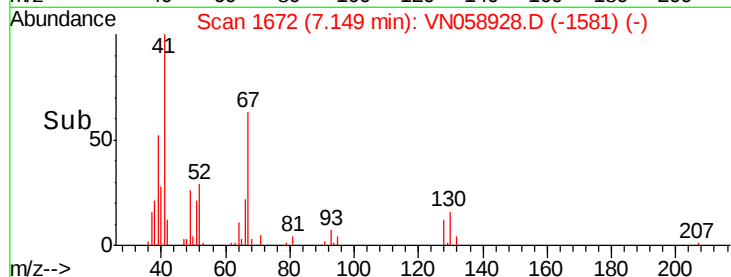
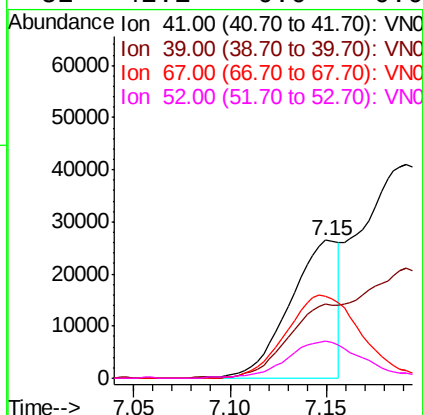
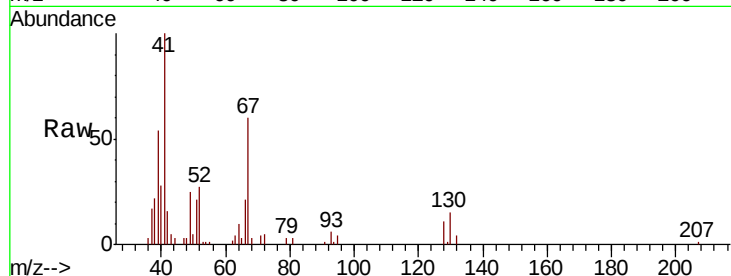




#41
Methacrylonitrile
Concen: 17.555 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

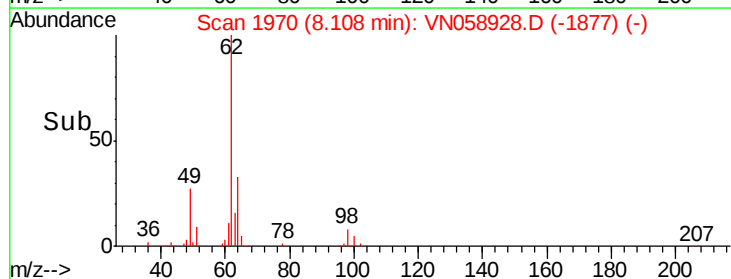
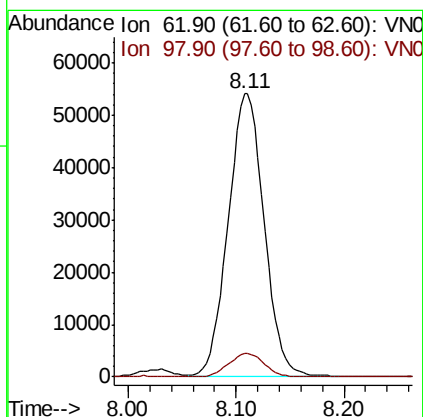
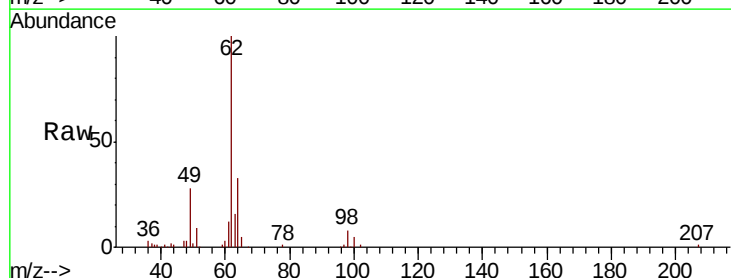
Instrument :
MSVOA_N
ClientSampled :

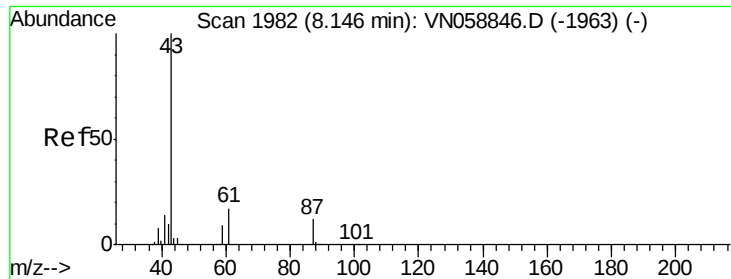
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	93.8	0.0	0.0#
52	42.1	0.0	0.0#



#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	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

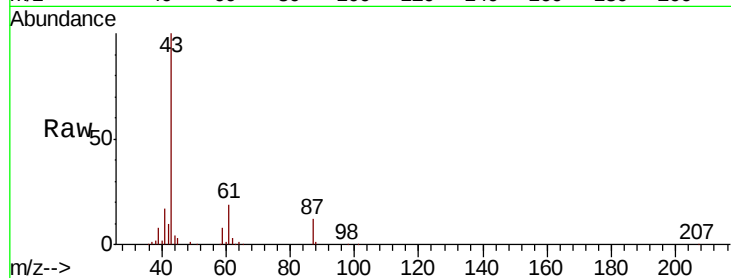
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 192840

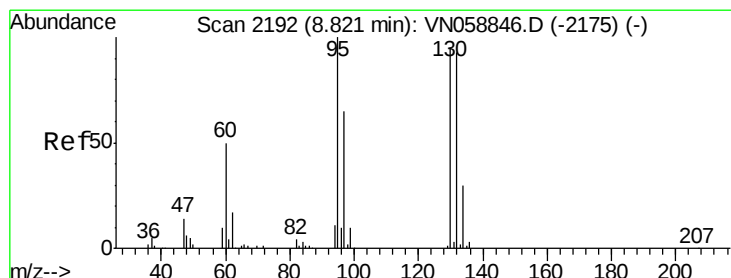
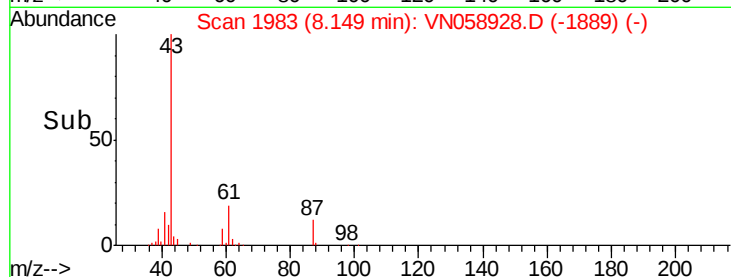
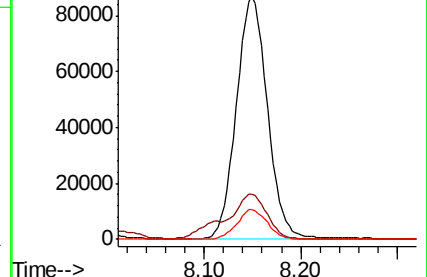
Ion	Ratio	Lower	Upper
43	100		
61	18.6	20.2	30.2#
87	12.1	9.5	14.3



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

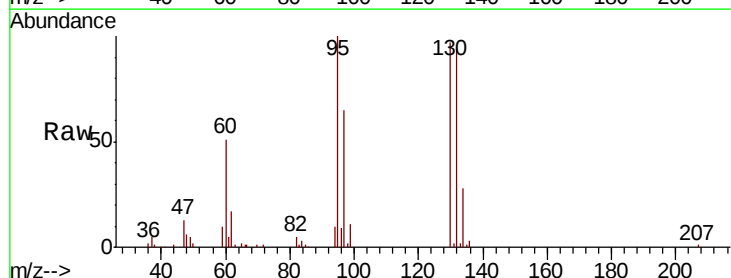
Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

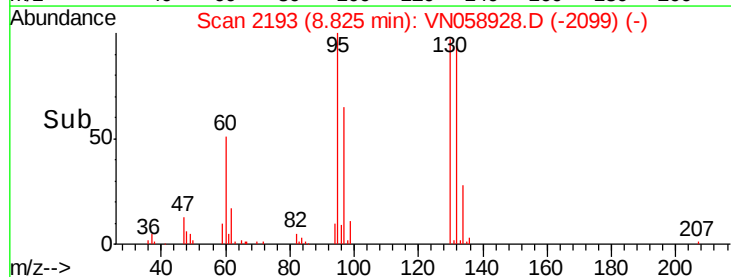
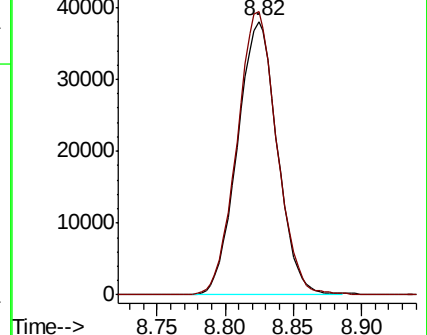
Tgt Ion: 130 Resp: 77233

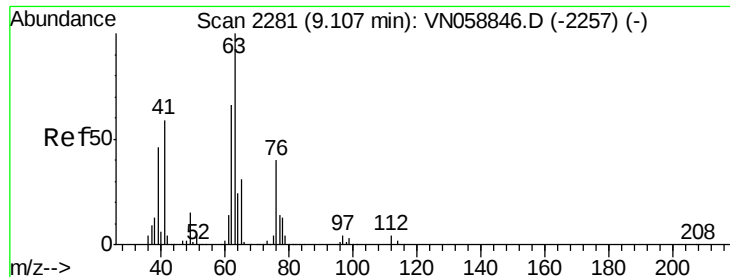
Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	209.6



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

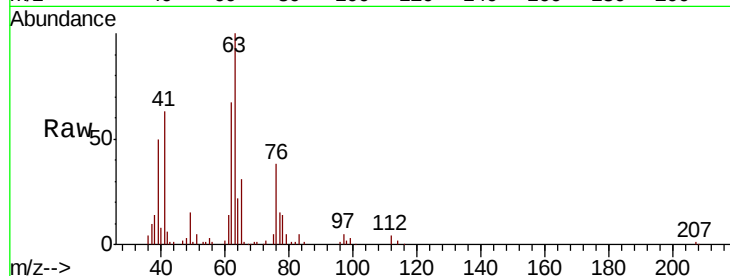
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 89252

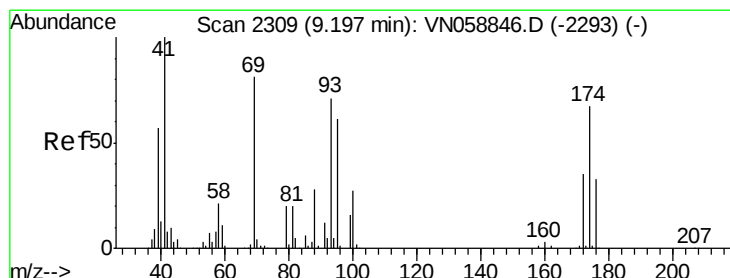
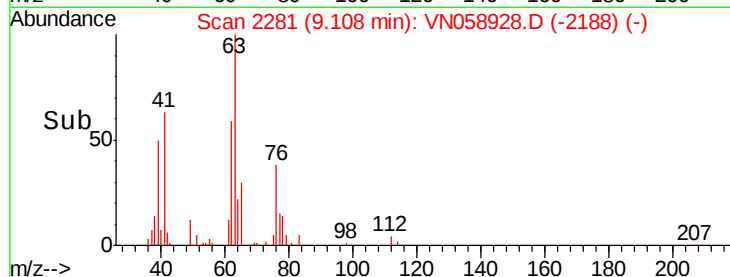
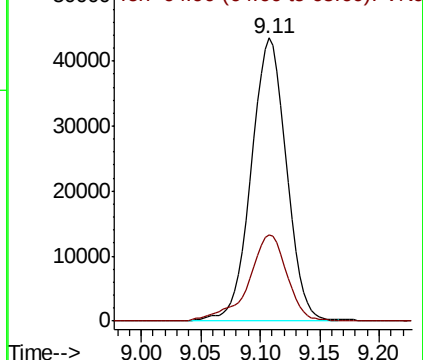
Ion Ratio Lower Upper

63 100

65 30.6 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 64.90 (64.60 to 65.60): VN0



#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

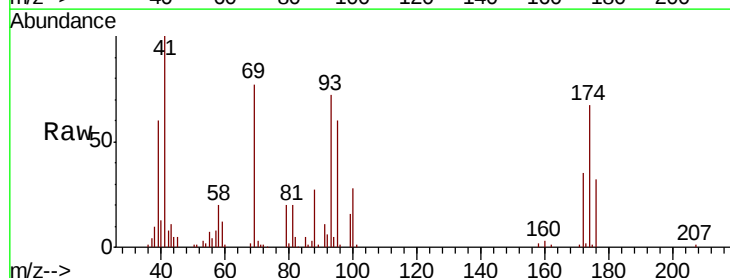
Tgt Ion: 93 Resp: 57028

Ion Ratio Lower Upper

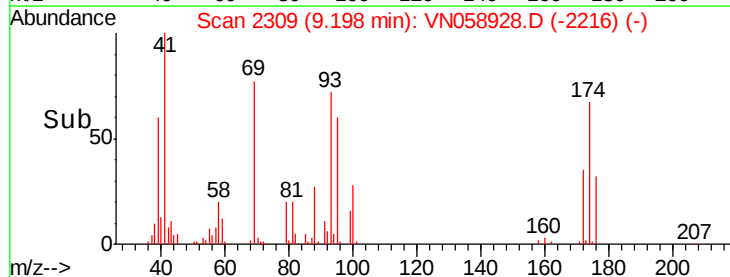
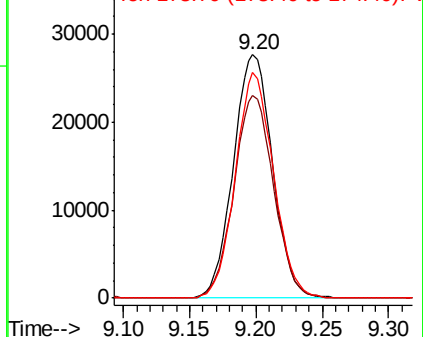
93 100

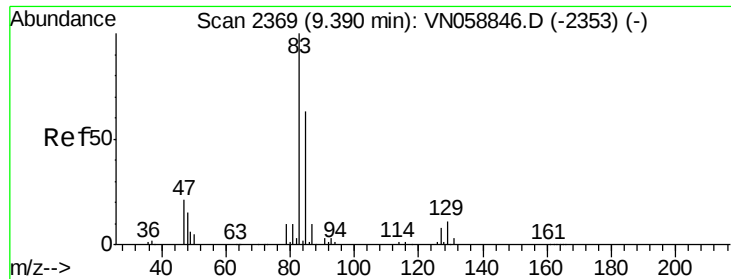
95 83.9 67.6 101.4

174 90.1 74.1 111.1



Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 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 :

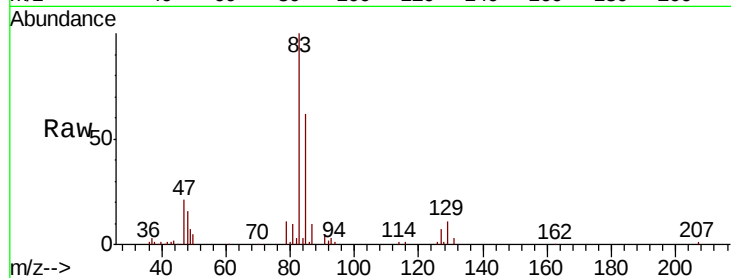
Tot Ion: 83 Resp: 118099

Ion Ratio Lower Upper

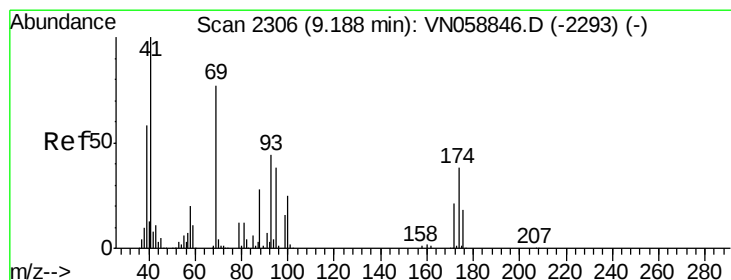
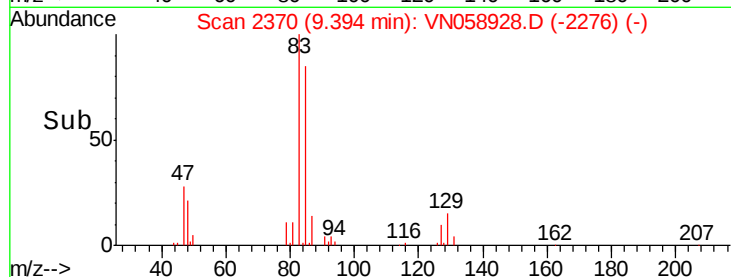
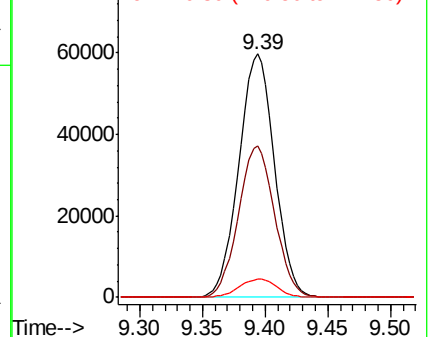
83 100

85 62.0 50.6 75.8

127 7.4 6.5 9.7



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



#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

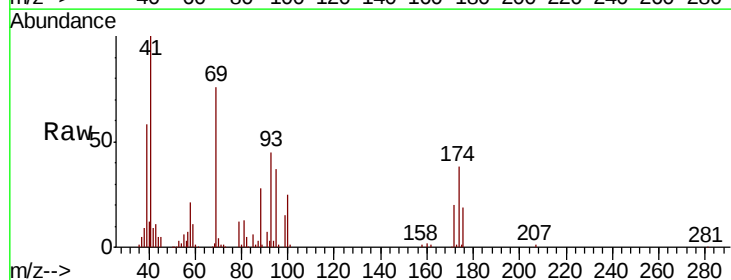
Tgt Ion: 41 Resp: 91121

Ion Ratio Lower Upper

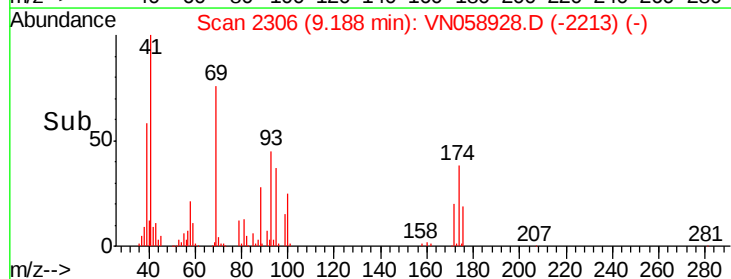
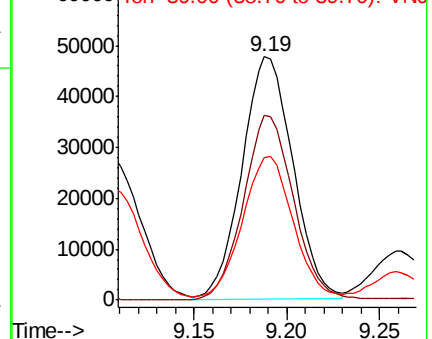
41 100

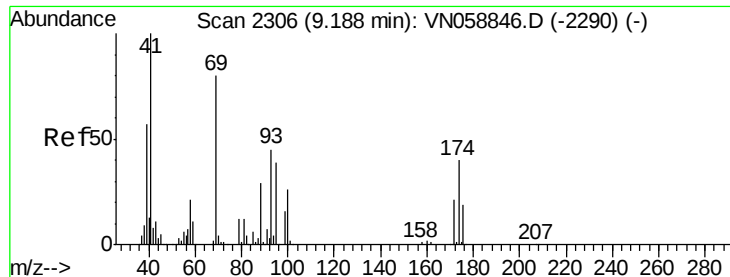
69 75.6 63.8 95.6

39 58.9 47.8 71.8



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

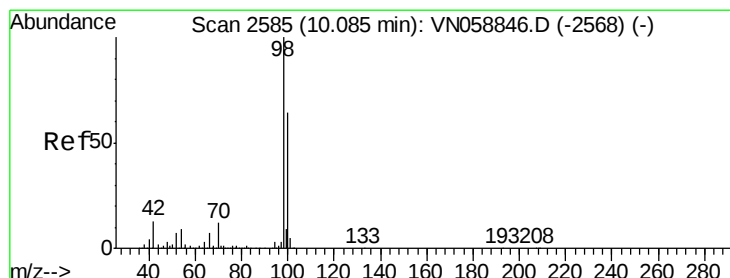
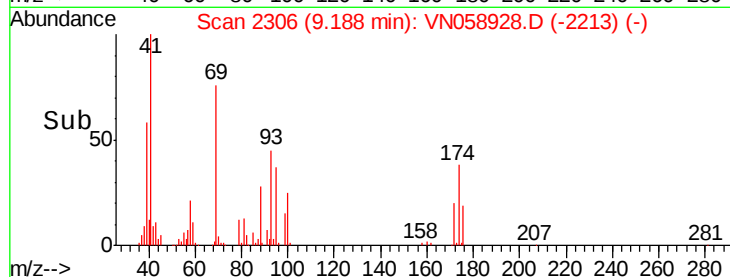
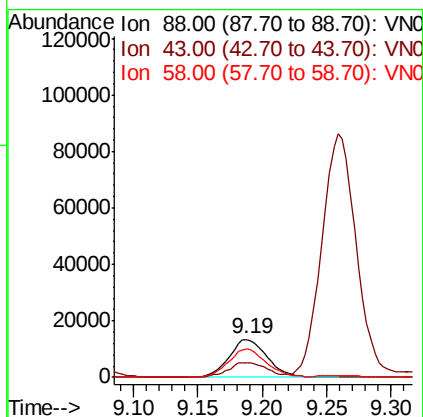
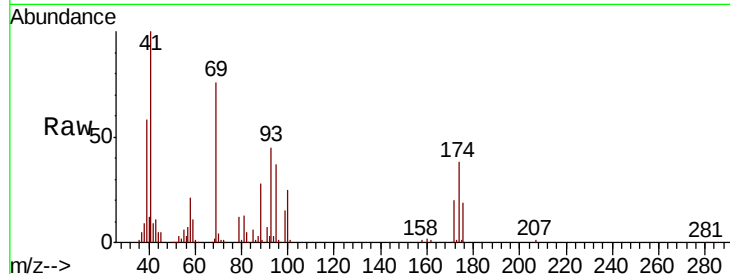




#49
1,4-Dioxane
Concen: 387.069 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

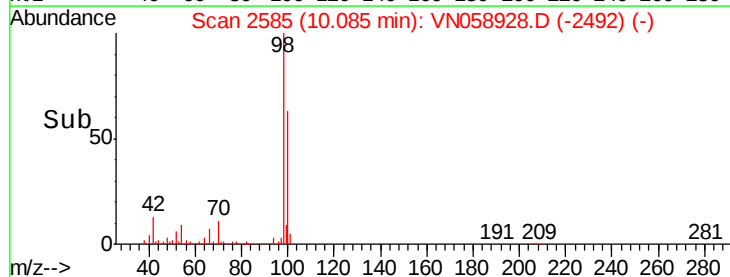
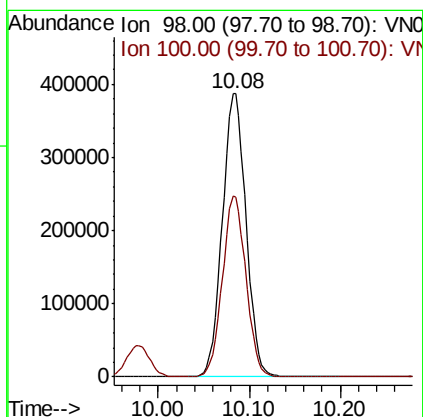
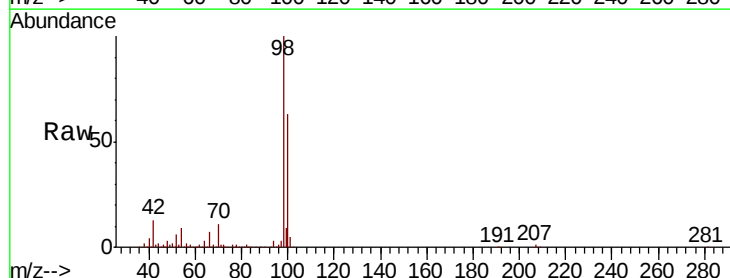
Instrument :
MSVOA_N
ClientSampled :

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



#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





#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

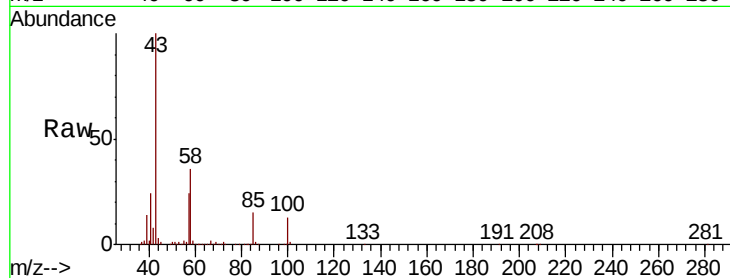
ClientSampleId :

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

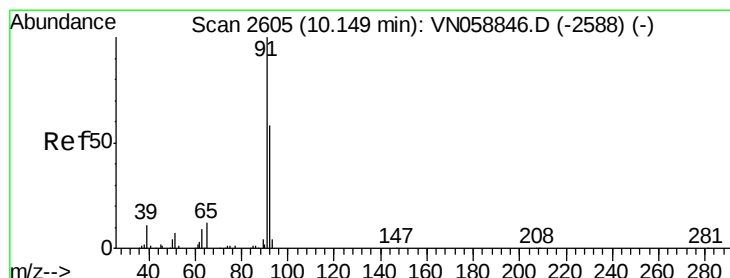
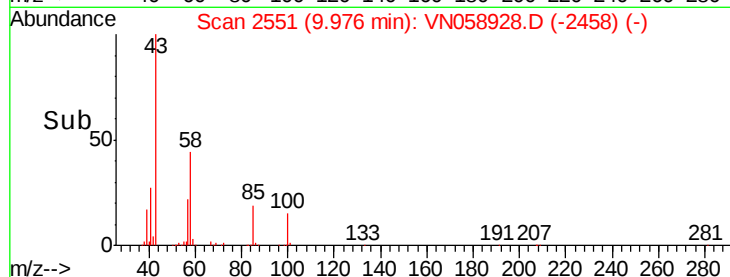
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.905 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058928.D

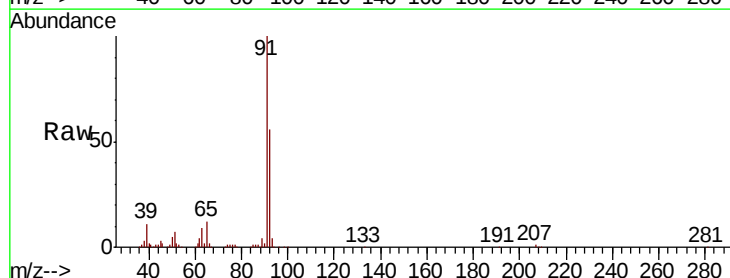
Acq: 23 Oct 2019 14:40

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

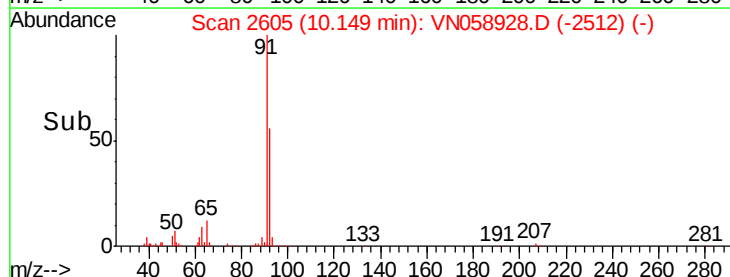
150000

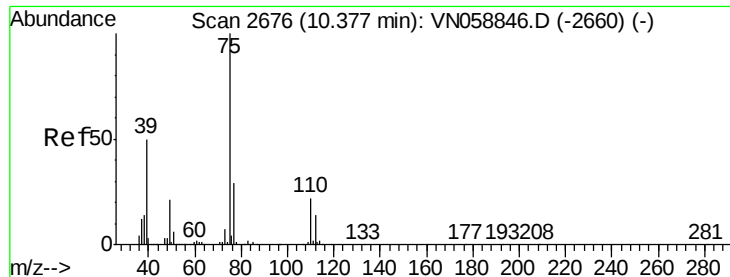
100000

50000

0

Time-->





#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

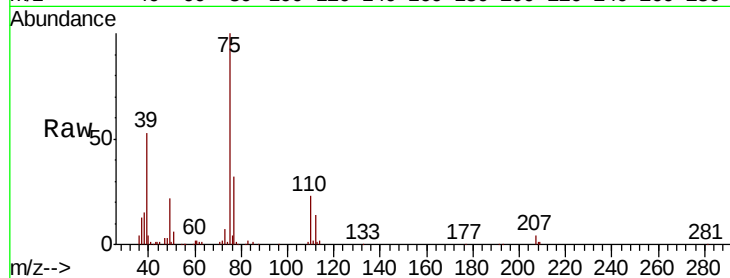
ClientSampled :

Tot Ion: 75 Resp: 126788

Ion Ratio Lower Upper

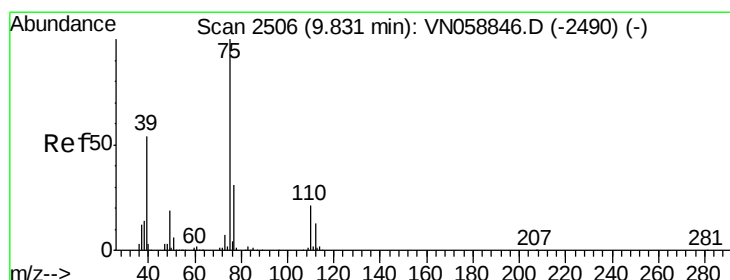
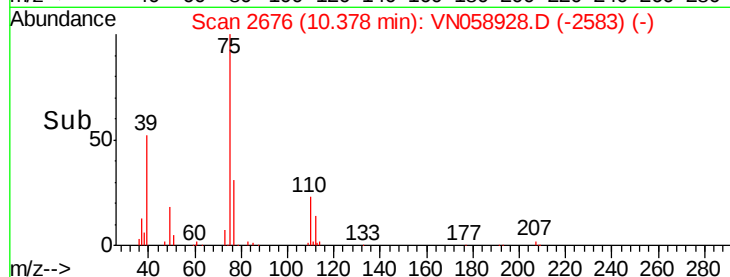
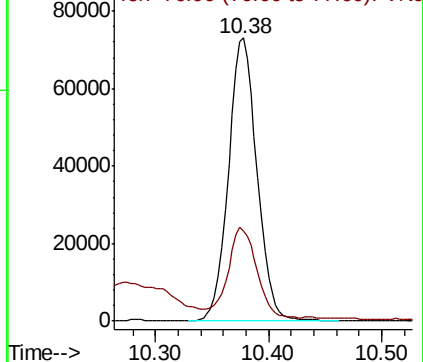
75 100

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



#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

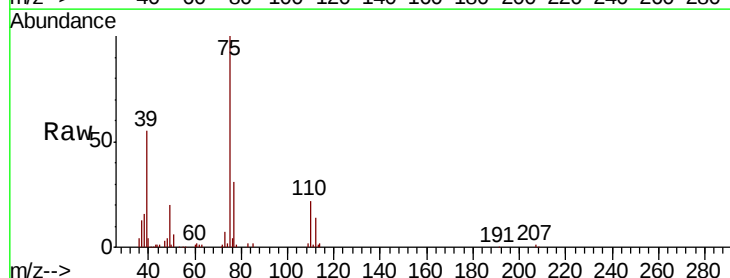
Tgt Ion: 75 Resp: 135268

Ion Ratio Lower Upper

75 100

77 31.0 24.7 37.1

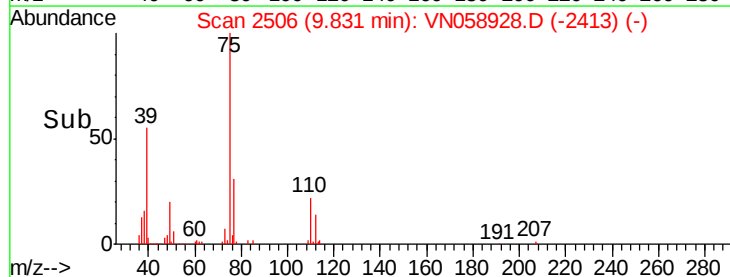
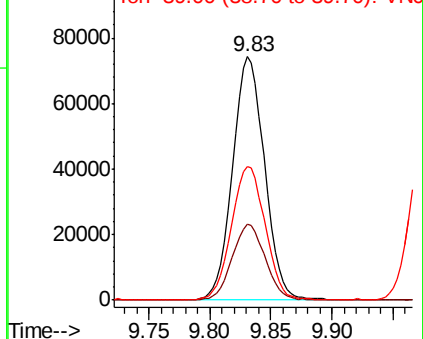
39 55.0 43.5 65.3

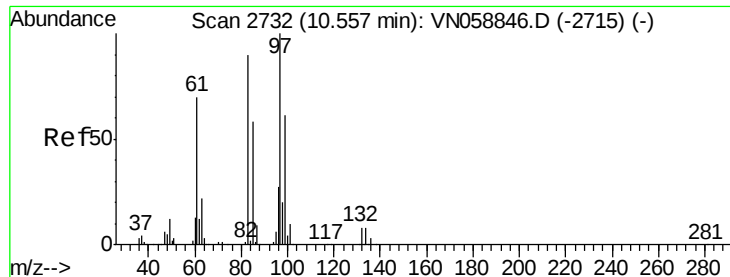


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#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

ClientSampleId :

Tot Ion: 97 Resp: 79696

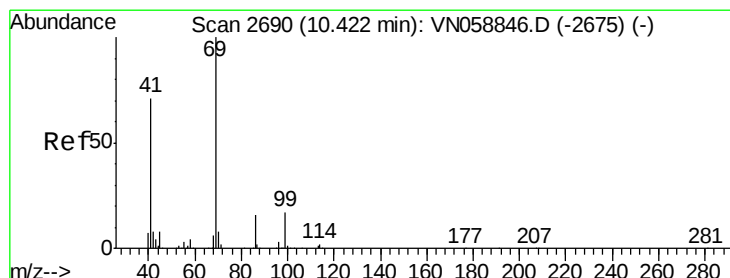
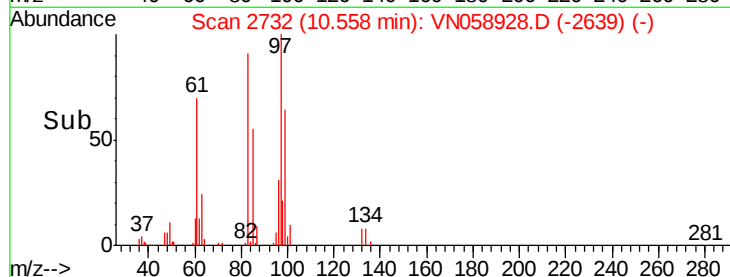
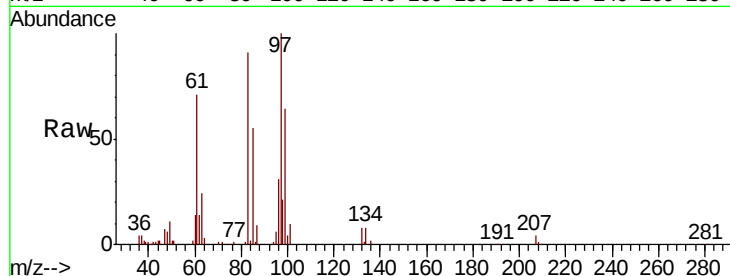
Ion	Ratio	Lower	Upper
97	100		
83	90.6	72.2	108.4
85	55.5	46.2	69.2
99	63.8	48.7	73.1

Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.271 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

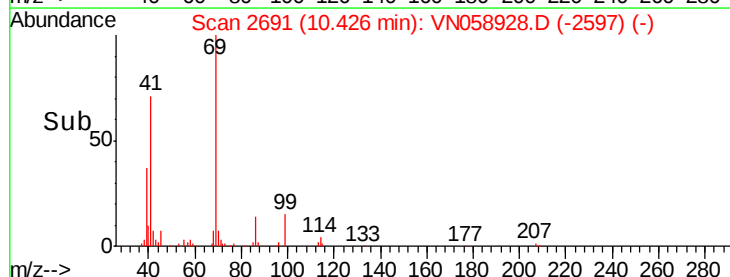
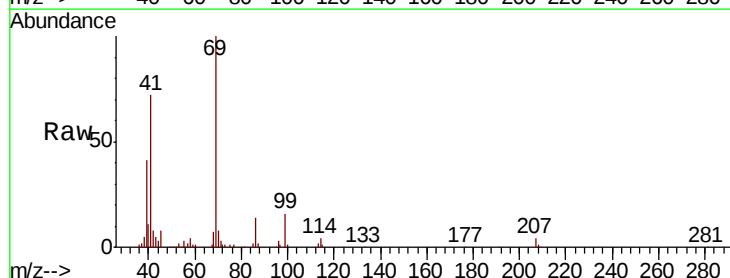
Tgt Ion: 69 Resp: 117618

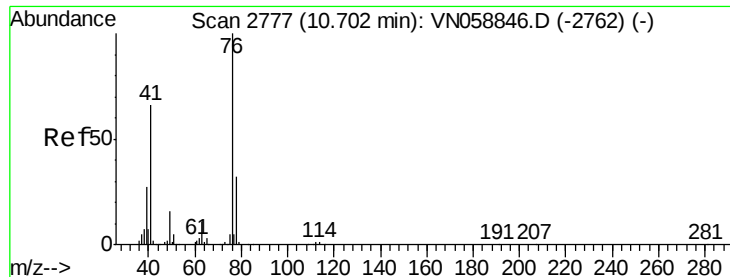
Ion	Ratio	Lower	Upper
69	100		
41	71.7	57.2	85.8
39	39.9	31.0	46.4

Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 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

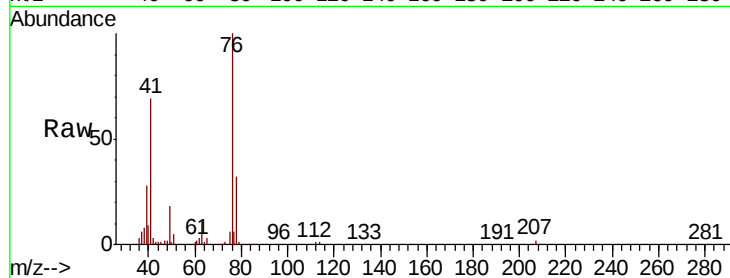
ClientSampleId :

Tot Ion: 76 Resp: 138413

Ion Ratio Lower Upper

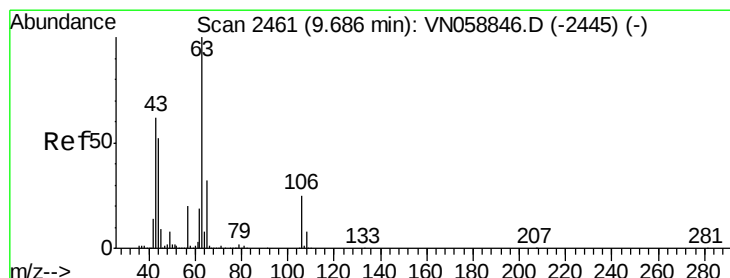
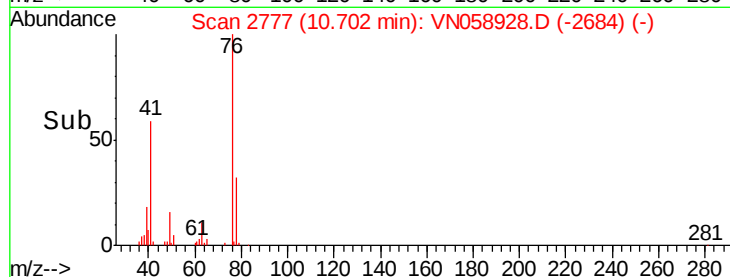
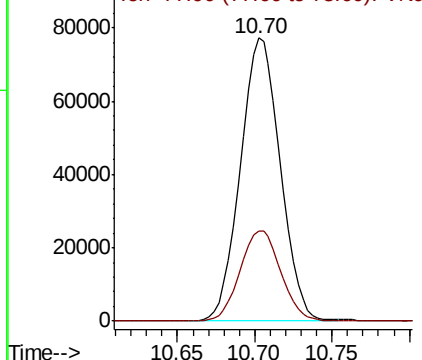
76 100

78 32.6 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 93.115 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058928.D

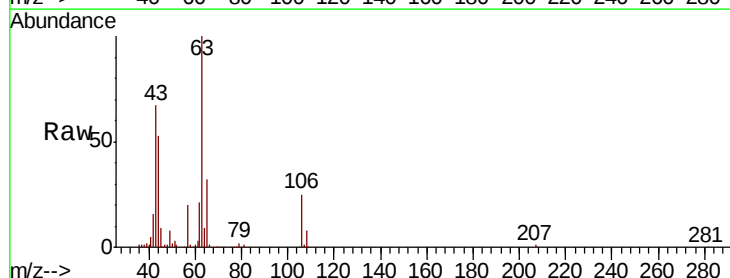
Acq: 23 Oct 2019 14:40

Tgt Ion: 63 Resp: 247927

Ion Ratio Lower Upper

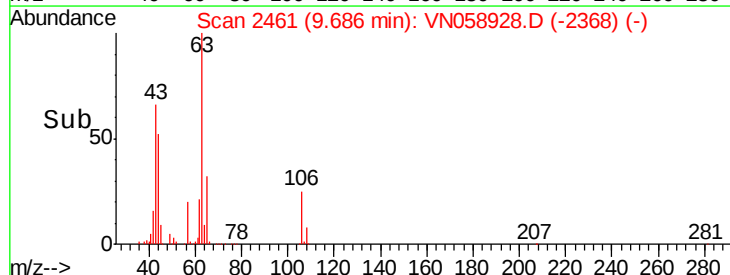
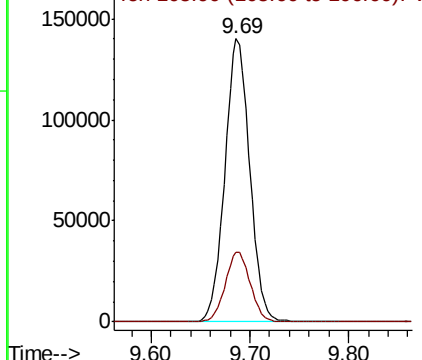
63 100

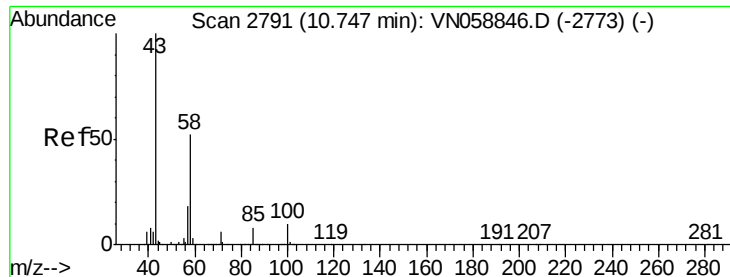
106 24.8 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

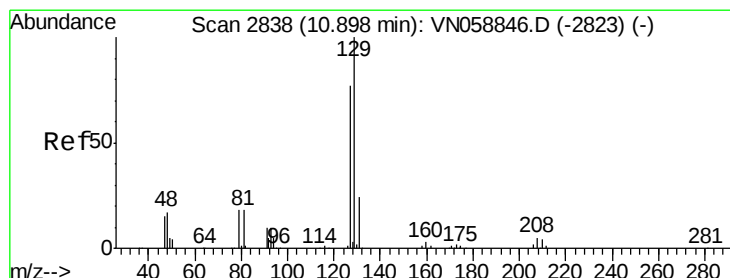
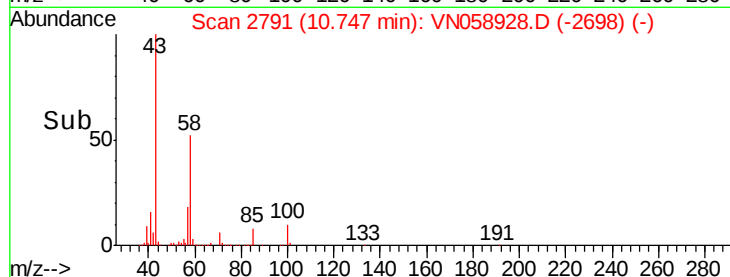
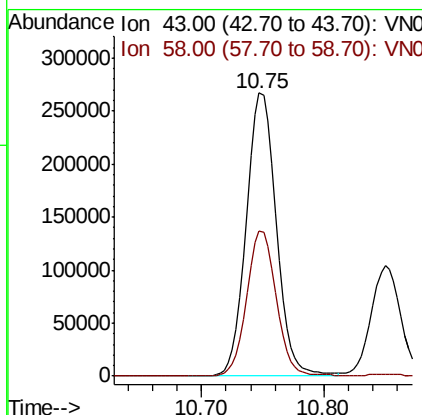
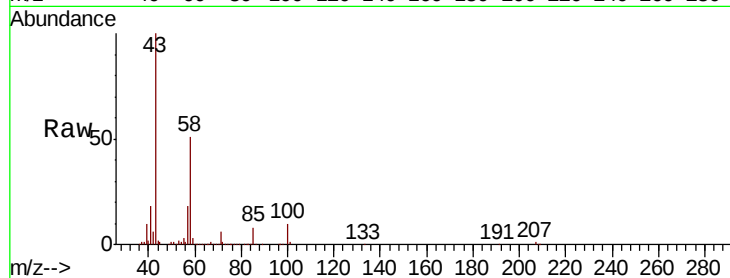




#59
2-Hexanone
Concen: 104.437 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

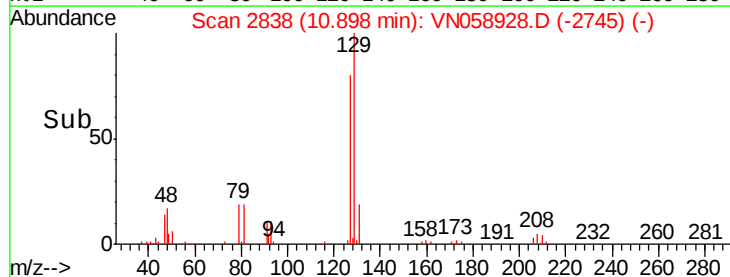
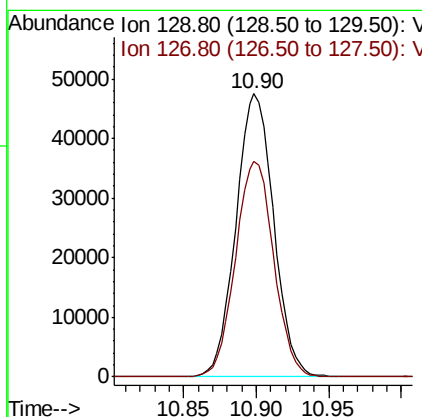
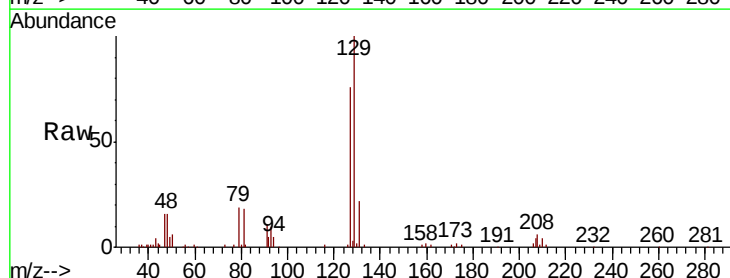
Instrument :
MSVOA_N
ClientSampleId :

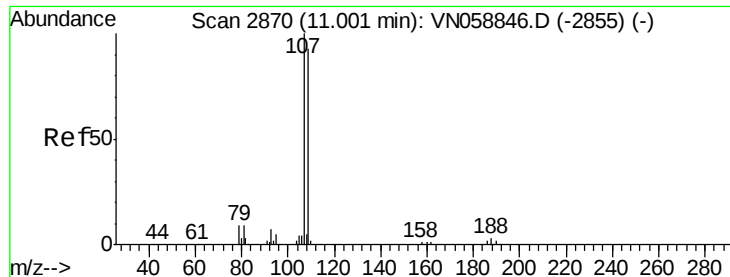
Tot Ion: 43 Resp: 448543
Ion Ratio Lower Upper
43 100
58 50.7 25.9 77.7



#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

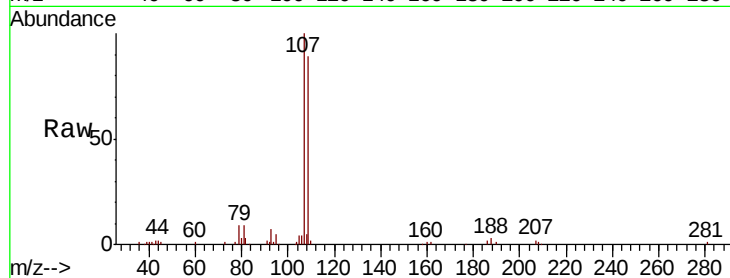
ClientSampled :

Tot Ion:107 Resp: 82014

Ion Ratio Lower Upper

107 100

109 91.6 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

50000

40000

30000

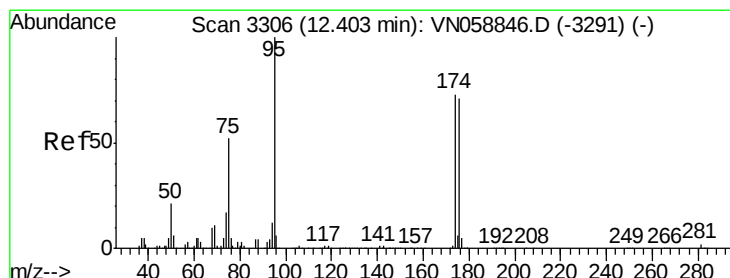
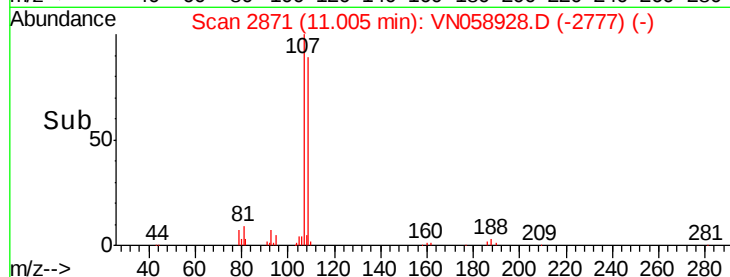
20000

10000

0

Time-->

10.95 11.00 11.05



#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

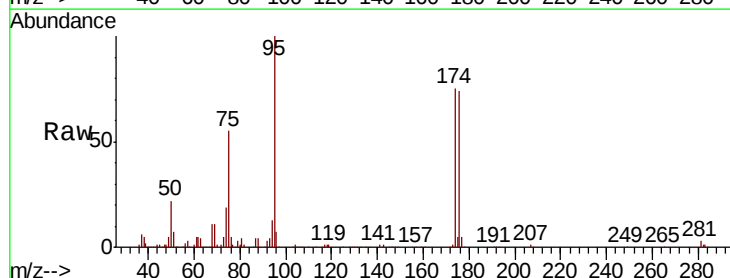
Tgt Ion: 95 Resp: 245307

Ion Ratio Lower Upper

95 100

174 75.9 0.0 147.6

176 73.7 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

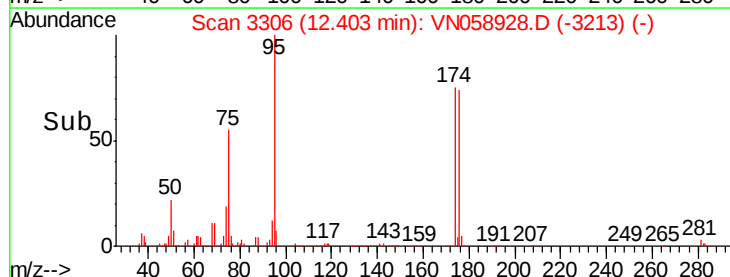
100000

50000

0

Time-->

12.35 12.40 12.45

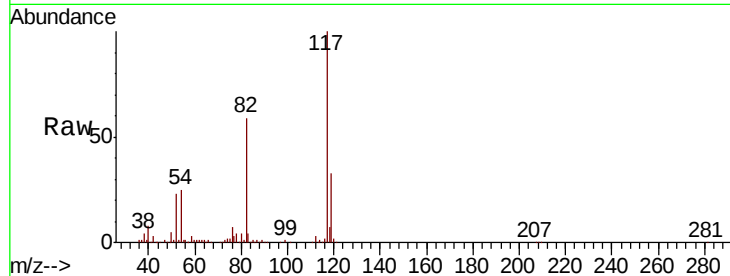




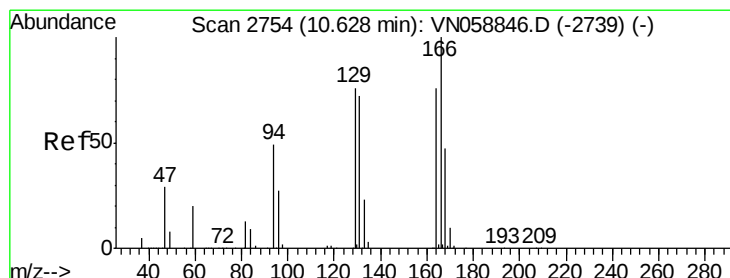
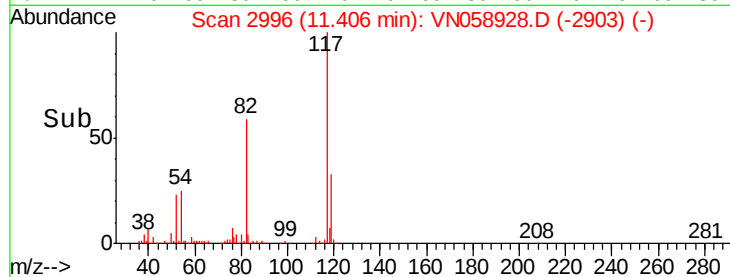
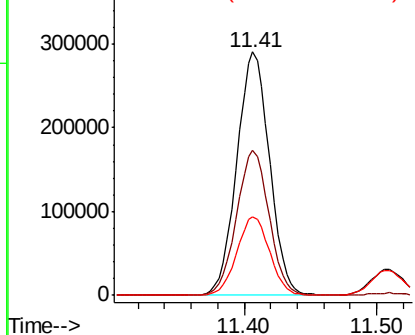
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampled :

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

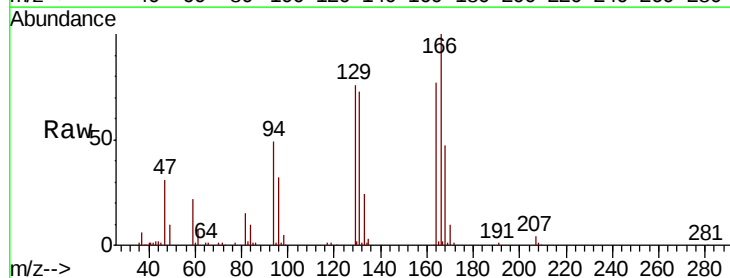


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

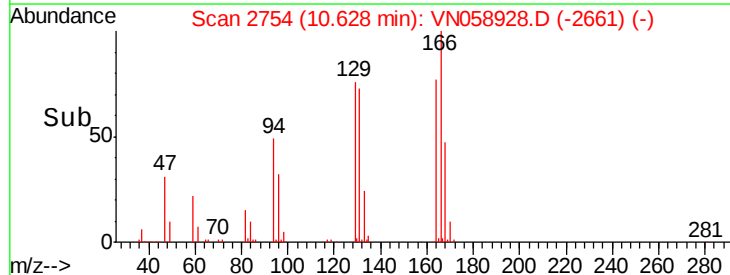
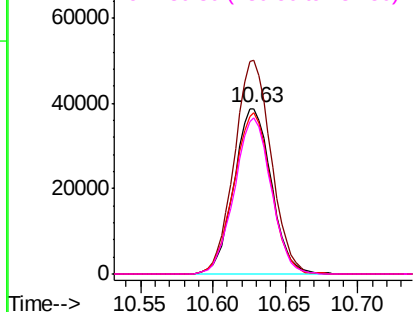


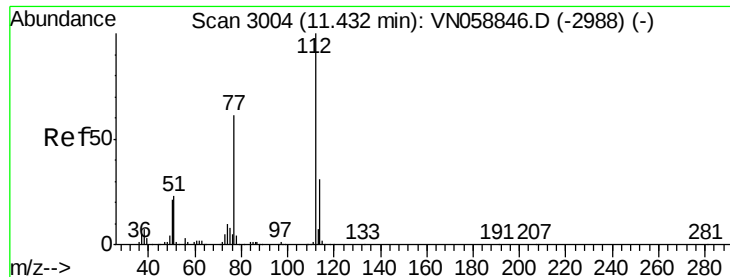
#64
Tetrachloroethene
Concen: 19.874 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

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

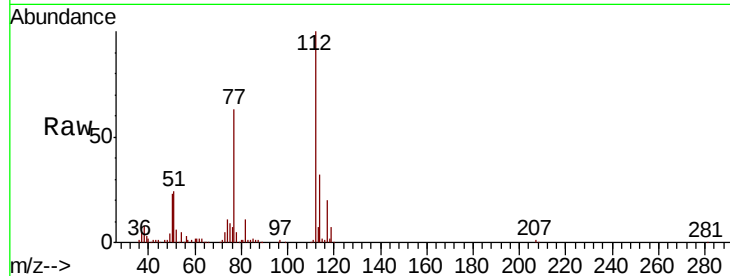
ClientSampled :

Tot Ion:112 Resp: 206852

Ion Ratio Lower Upper

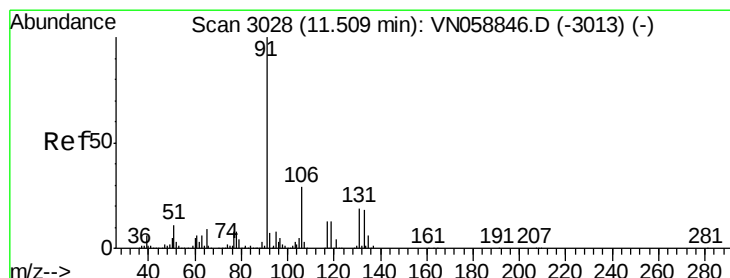
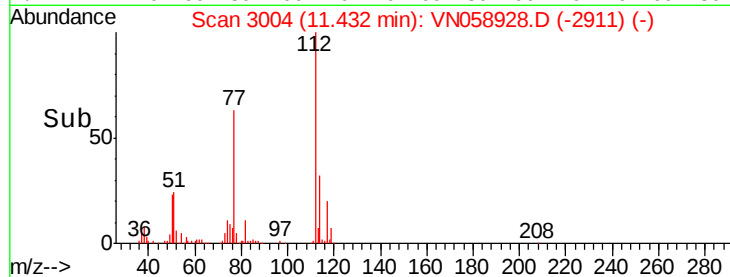
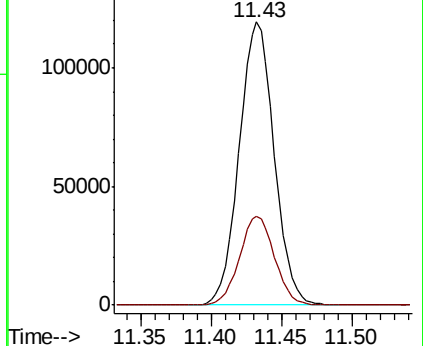
112 100

114 31.6 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#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

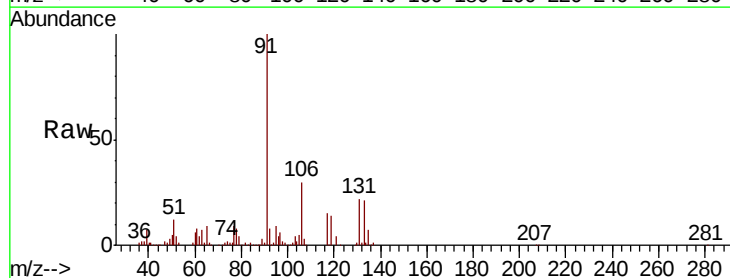
Tgt Ion:131 Resp: 78527

Ion Ratio Lower Upper

131 100

133 98.1 48.4 145.2

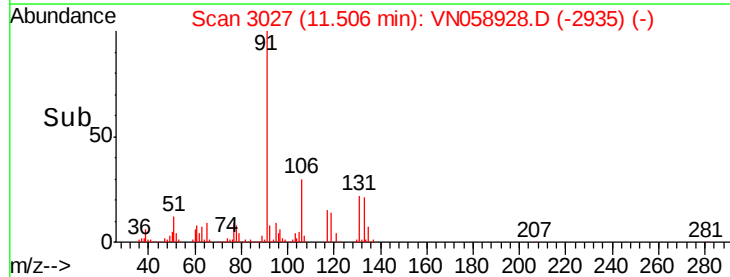
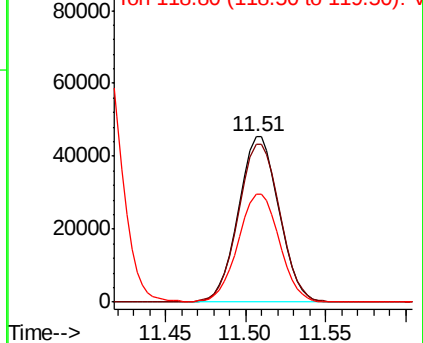
119 66.5 33.6 100.8

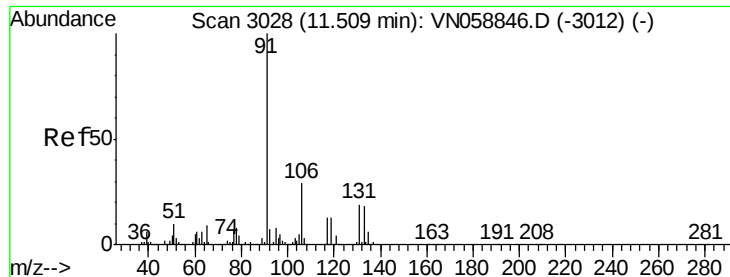


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#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

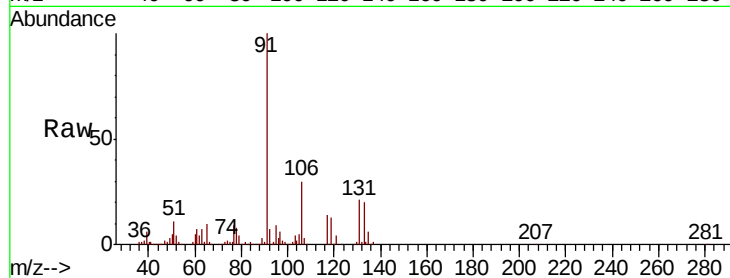
ClientSampleId :

Tot Ion: 91 Resp: 373072

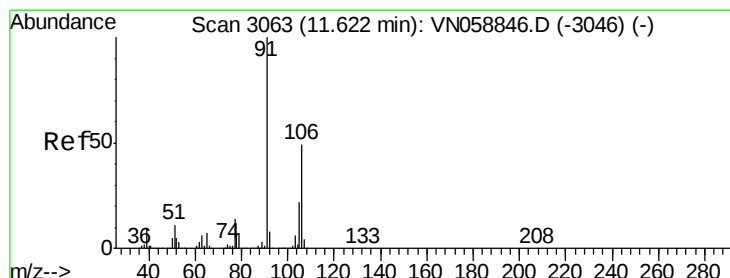
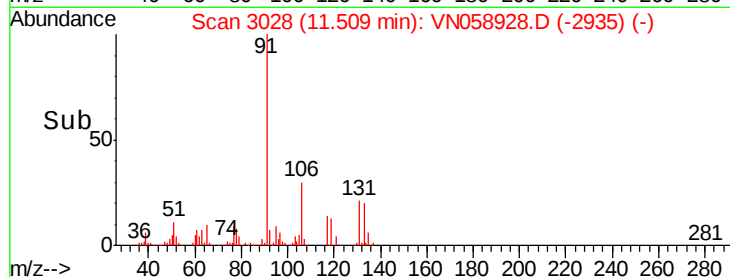
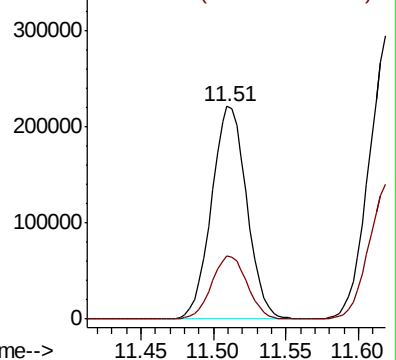
Ion Ratio Lower Upper

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

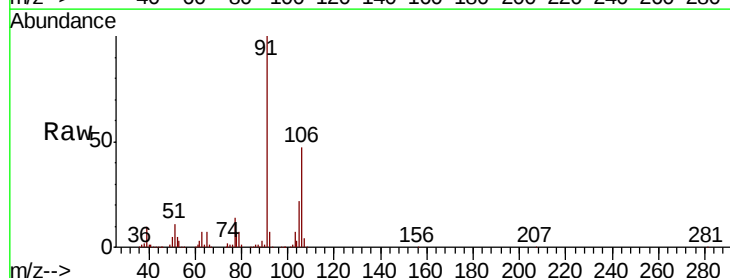
Acq: 23 Oct 2019 14:40

Tgt Ion: 106 Resp: 275050

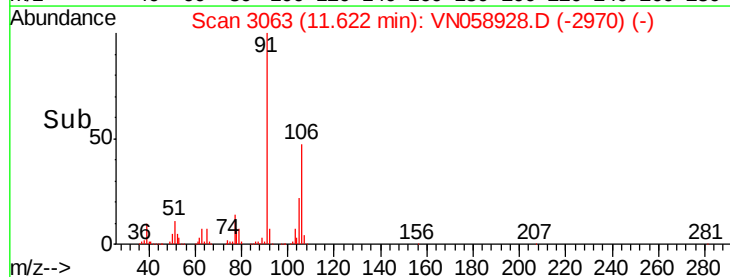
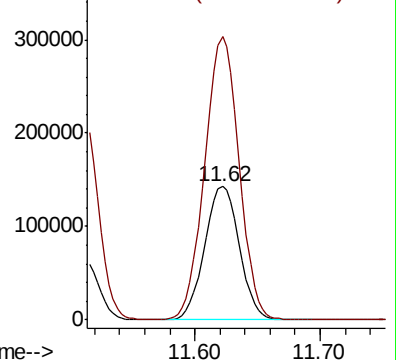
Ion Ratio Lower Upper

106 100

91 209.7 166.6 249.8



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

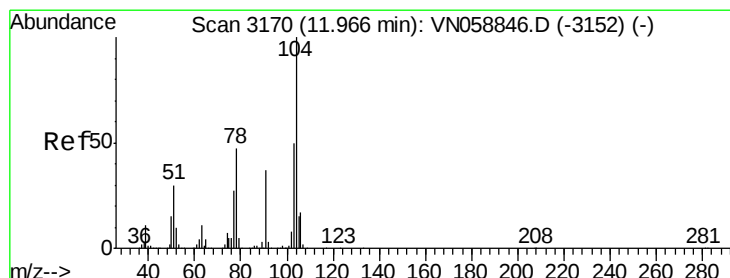
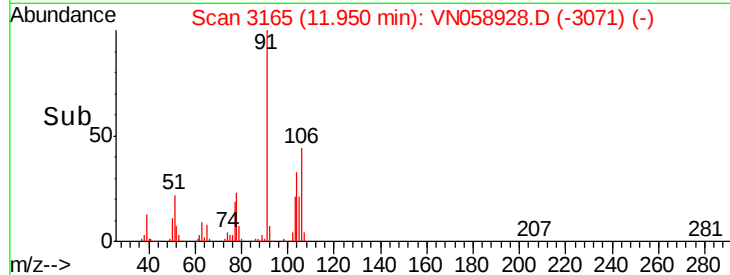
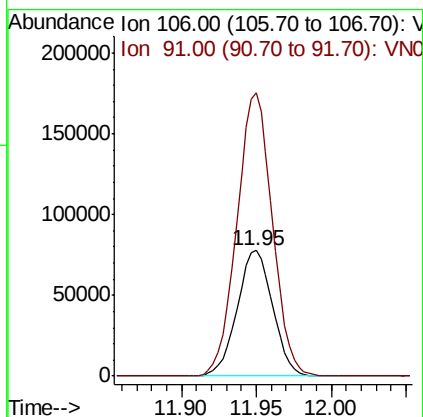
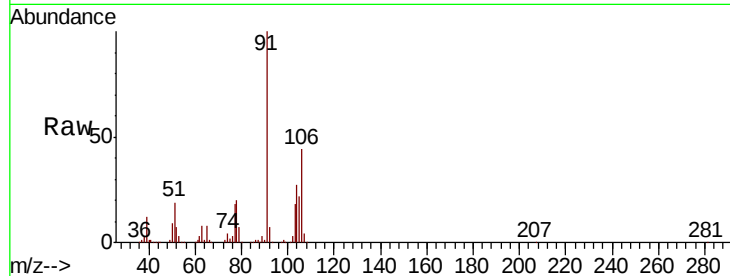




#69
o-Xylene
Concen: 20.428 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

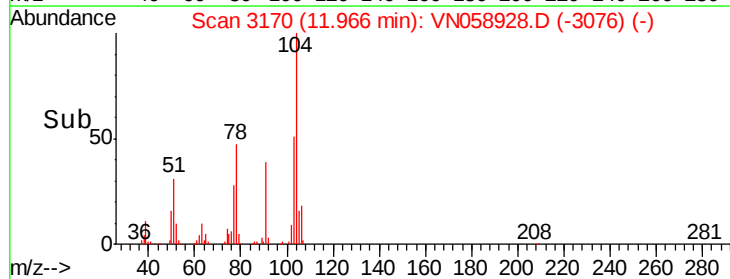
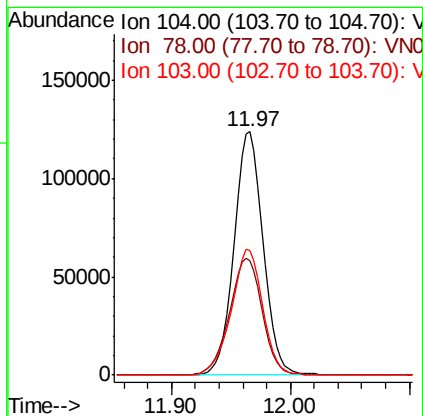
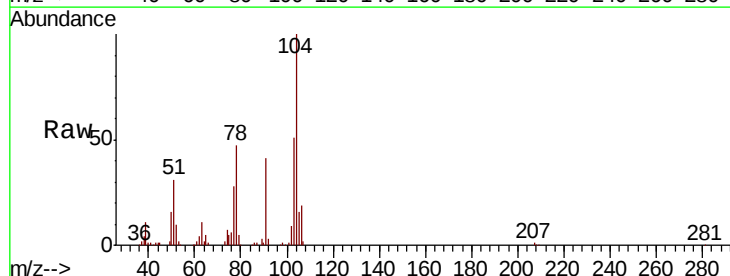
Instrument :
MSVOA_N
ClientSampled :

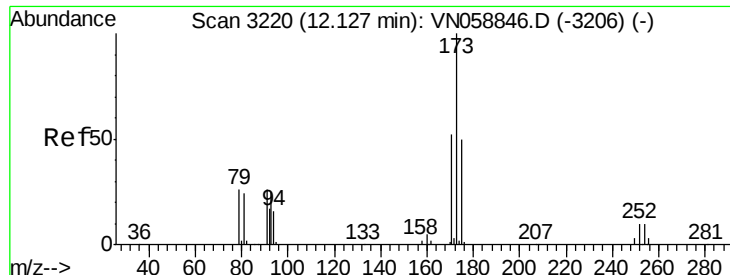
Tot Ion:106 Resp: 128559
Ion Ratio Lower Upper
106 100
91 225.2 111.5 334.4



#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

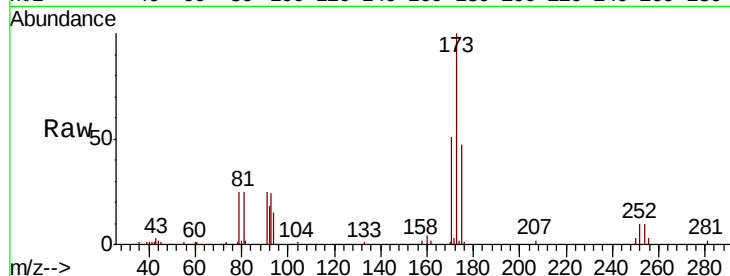




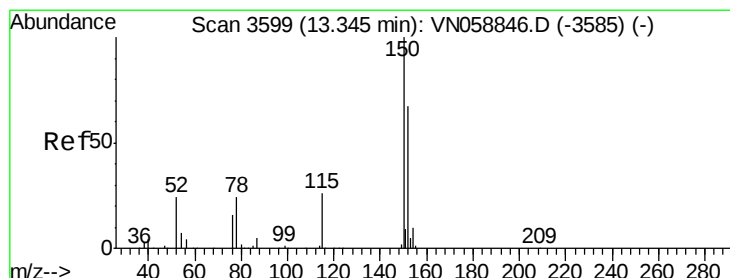
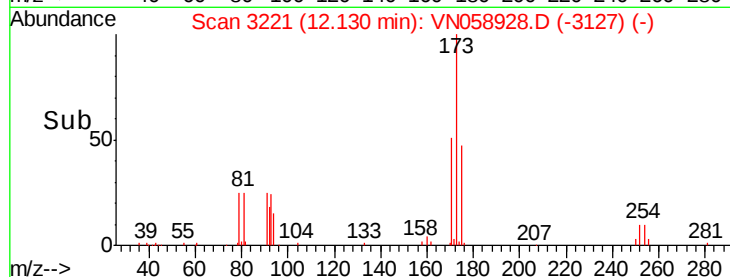
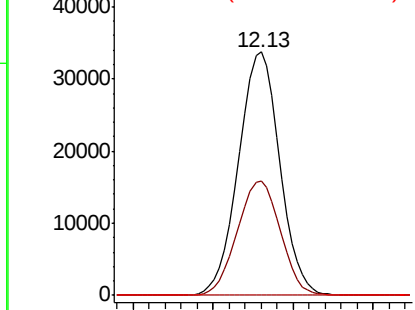
#71
Bromoform
Concen: 19.980 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampled :

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

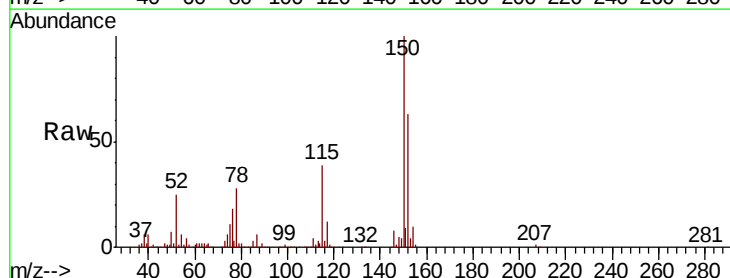


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

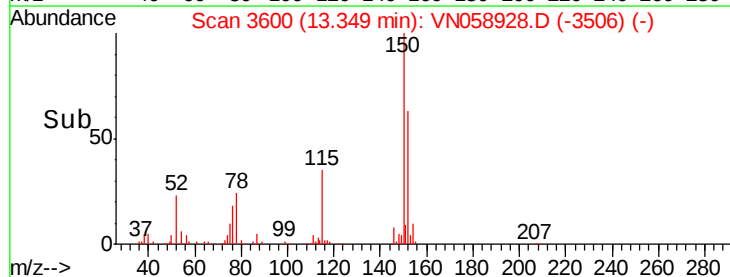
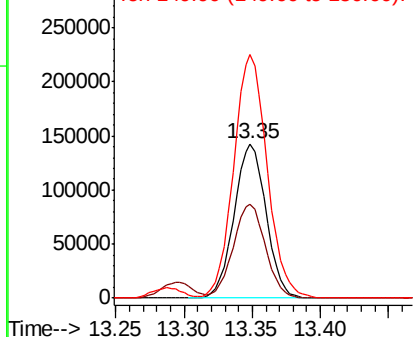


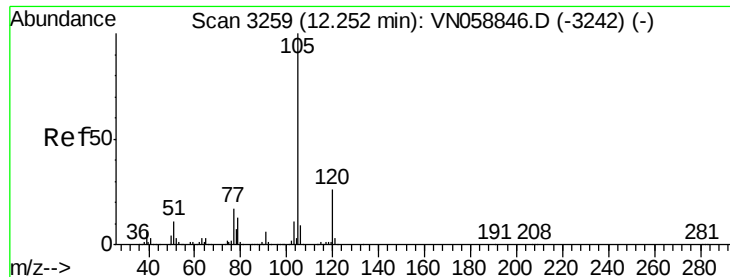
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

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

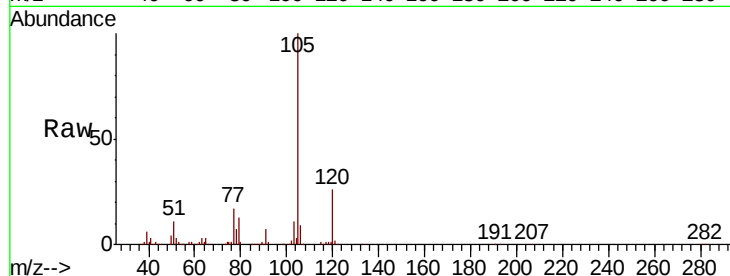
ClientSampled :

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

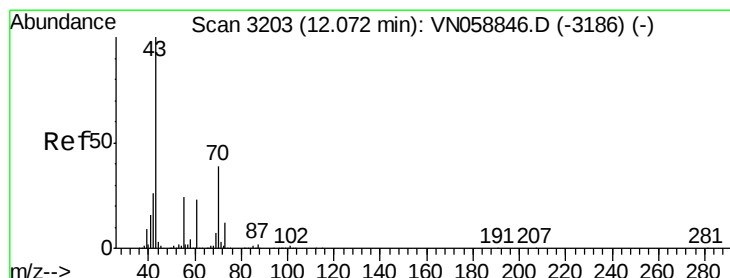
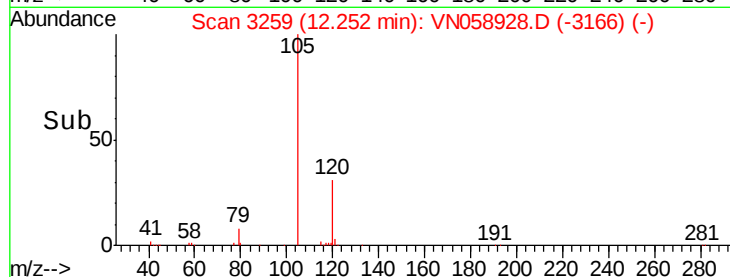
0

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

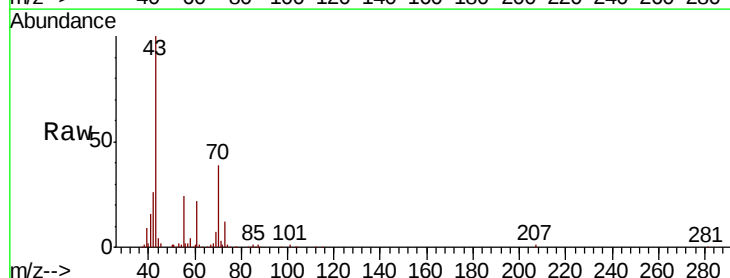
Ion Ratio Lower Upper

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

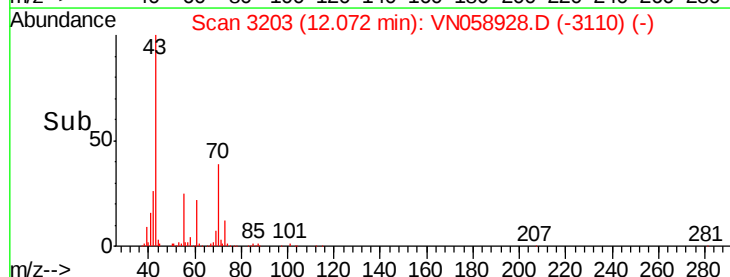
0

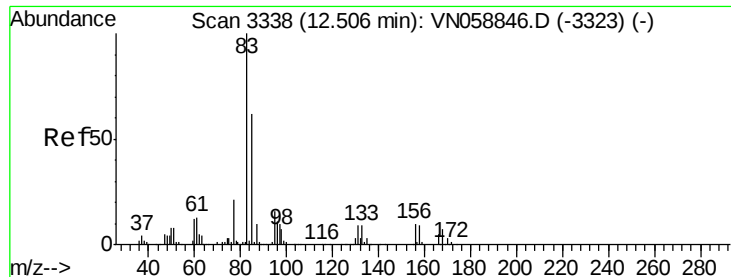
12.00

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 :

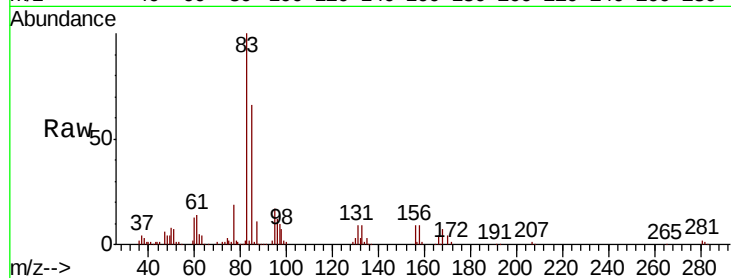
Tot Ion: 83 Resp: 126293

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.1

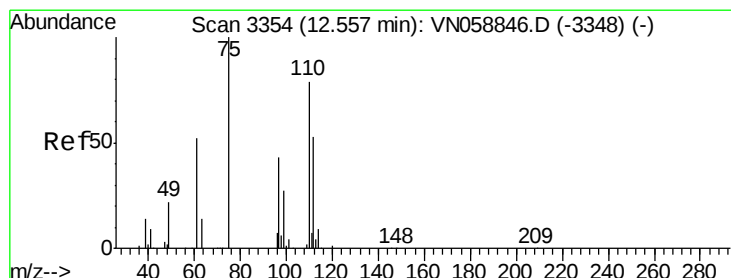
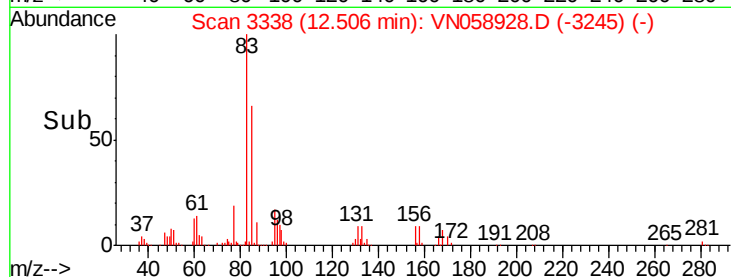
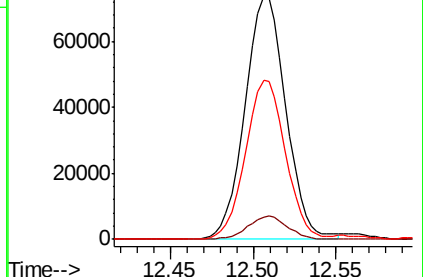
85 64.0 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN058928.D (-3338) (-)

Ion 130.80 (130.50 to 131.50): VN058928.D (-3338) (-)

Ion 84.90 (84.60 to 85.60): VN058928.D (-3338) (-)



#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

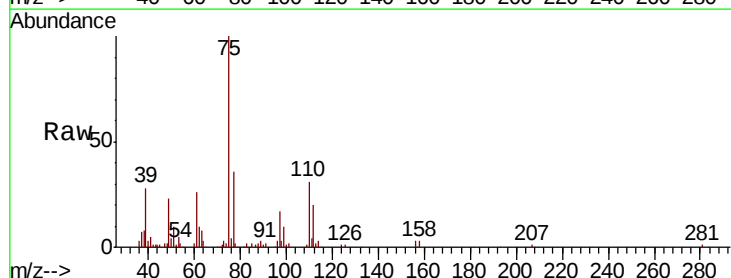
Acq: 23 Oct 2019 14:40

Tgt Ion: 75 Resp: 165057

Ion Ratio Lower Upper

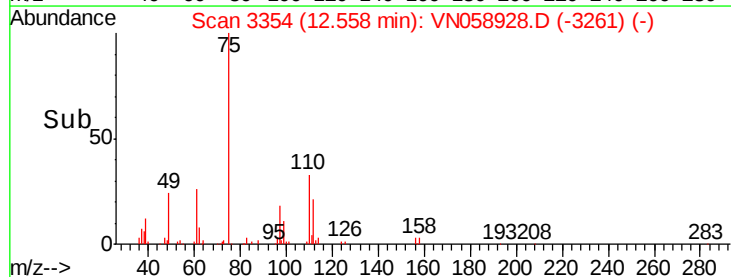
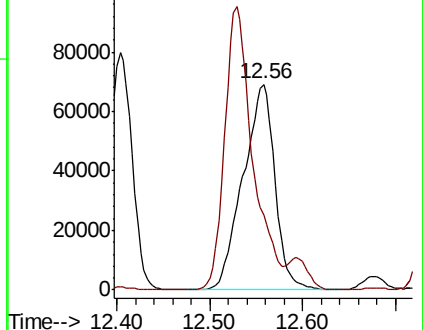
75 100

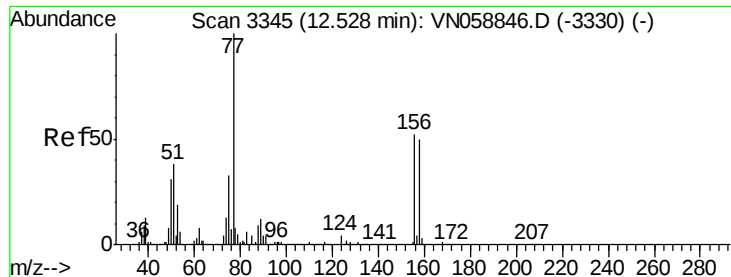
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058928.D (-3354) (-)

Ion 77.00 (76.70 to 77.70): VN058928.D (-3354) (-)





#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 :

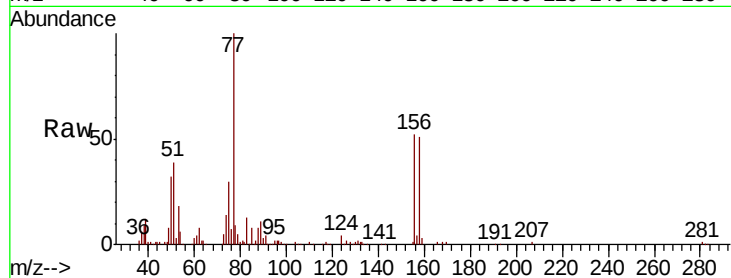
Tot Ion:156 Resp: 85803

Ion Ratio Lower Upper

156 100

77 234.0 118.0 354.0

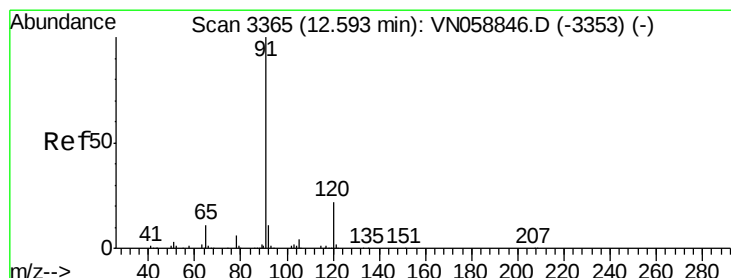
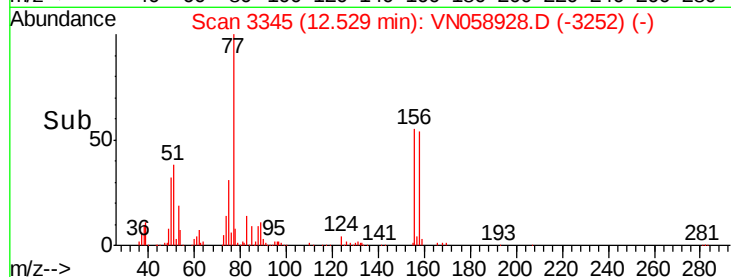
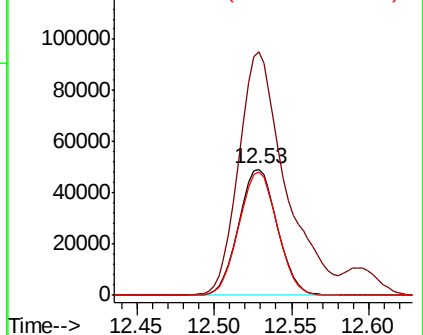
158 97.4 48.3 144.8



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

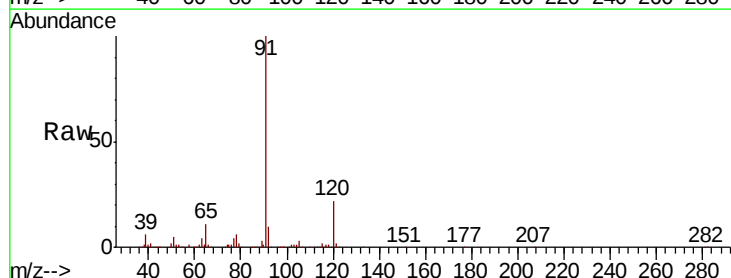
Acq: 23 Oct 2019 14:40

Tgt Ion: 91 Resp: 420942

Ion Ratio Lower Upper

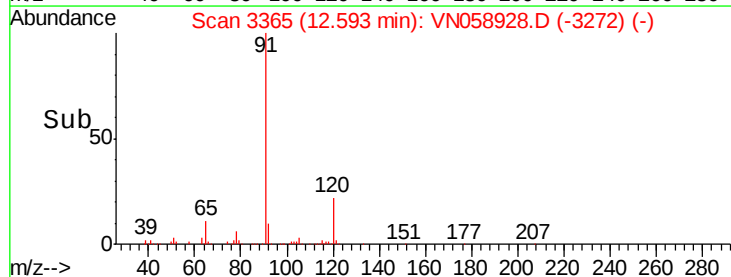
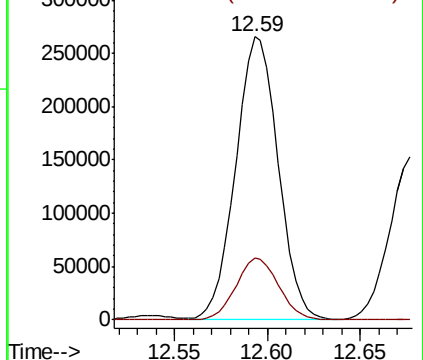
91 100

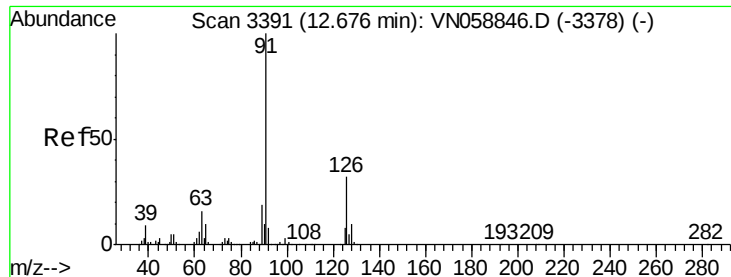
120 22.0 11.1 33.1



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

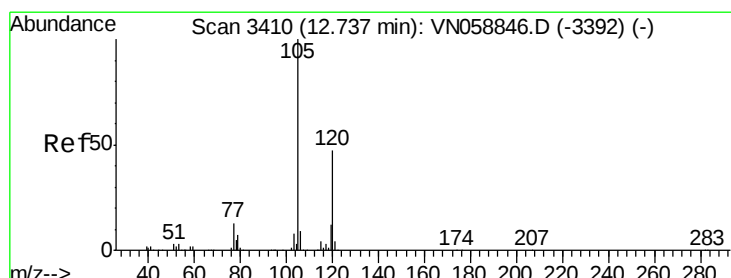
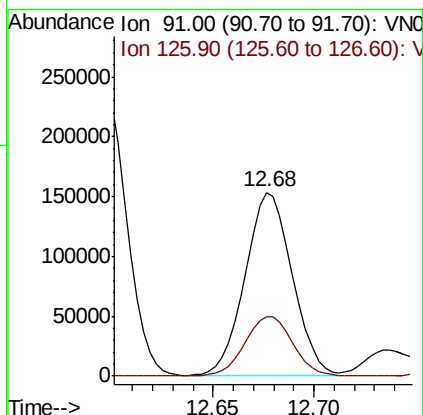
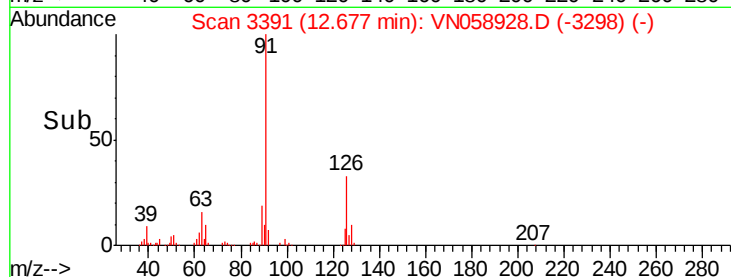
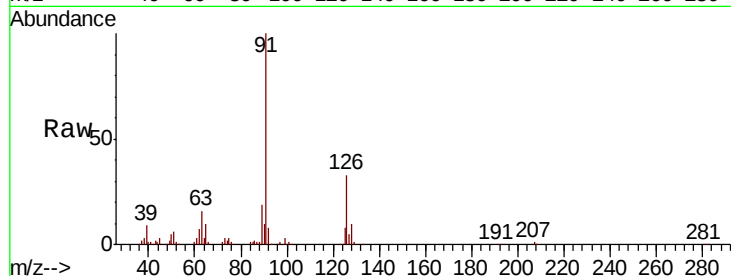
ClientSampleId :

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

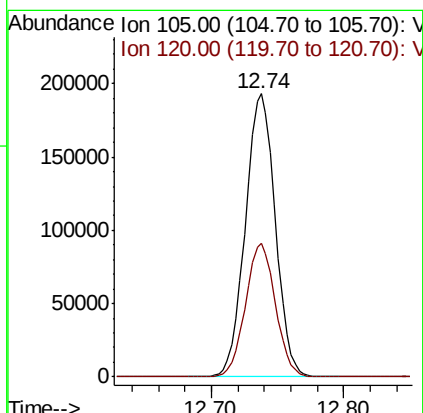
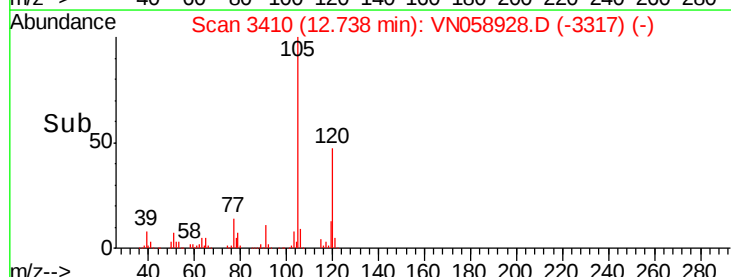
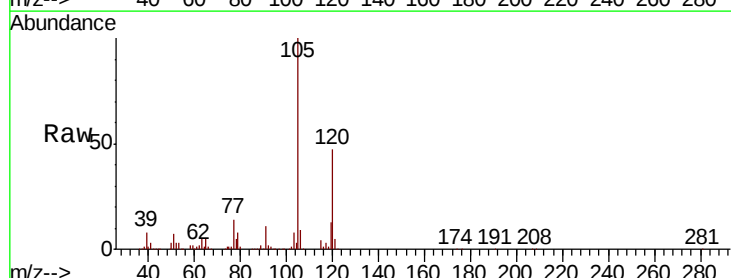
Acq: 23 Oct 2019 14:40

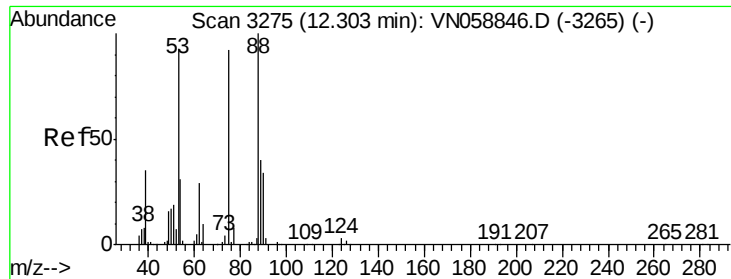
Tgt Ion: 105 Resp: 302565

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 :

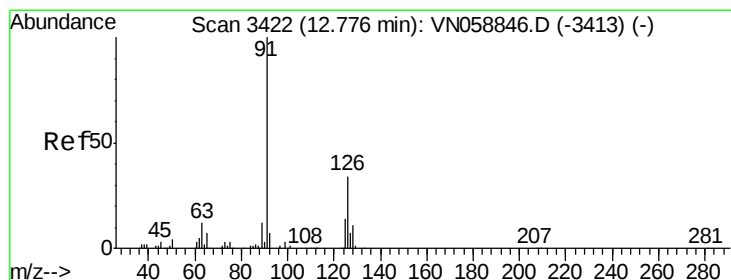
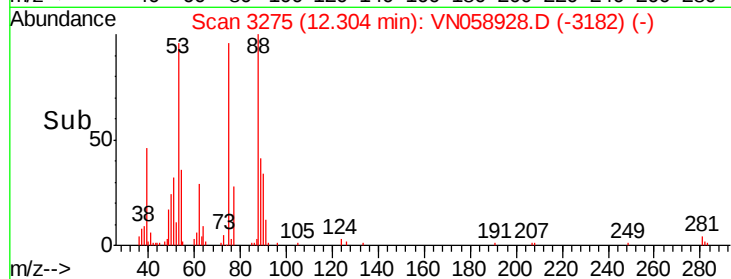
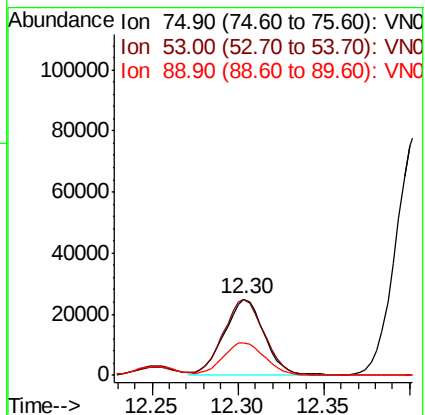
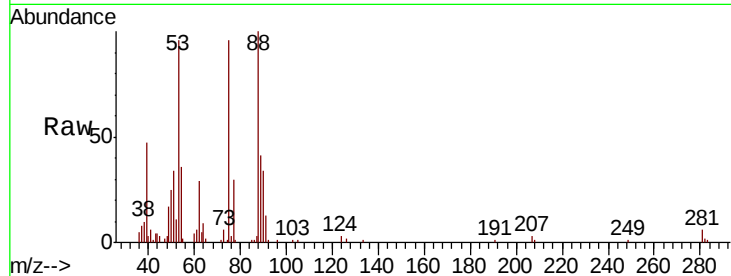
Tot Ion: 75 Resp: 40863

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

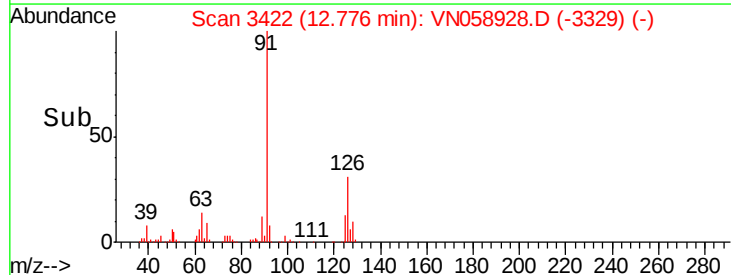
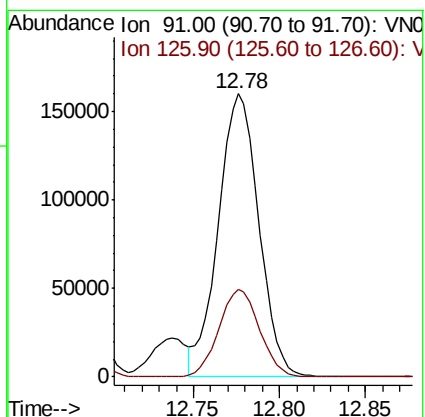
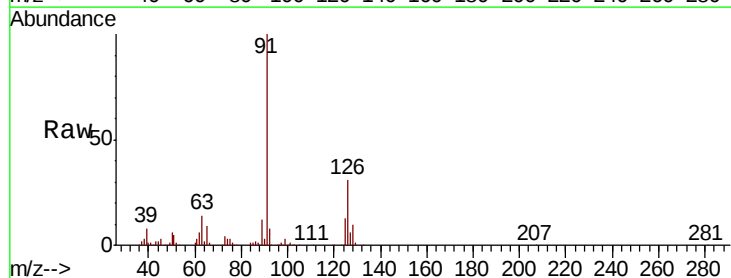
Acq: 23 Oct 2019 14:40

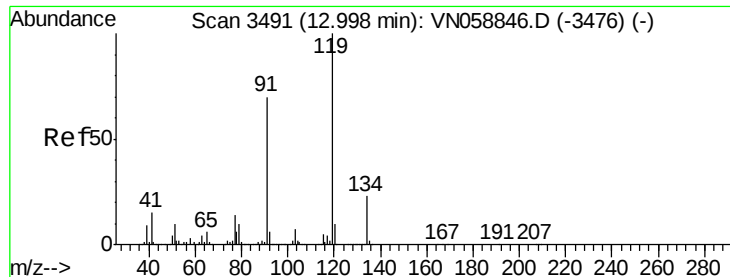
Tgt Ion: 91 Resp: 261145

Ion Ratio Lower Upper

91 100

126 31.2 16.0 47.9

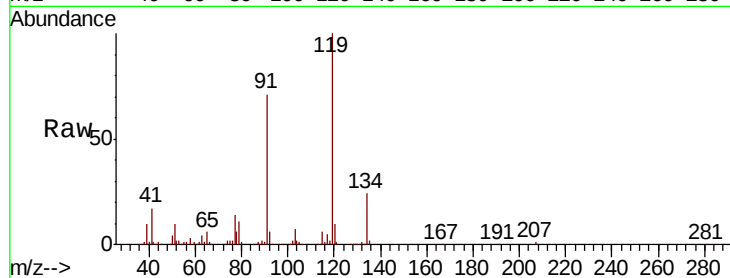




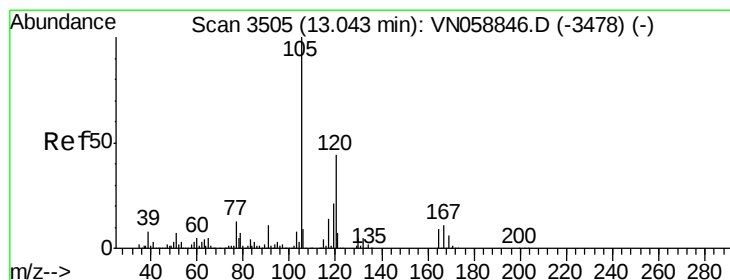
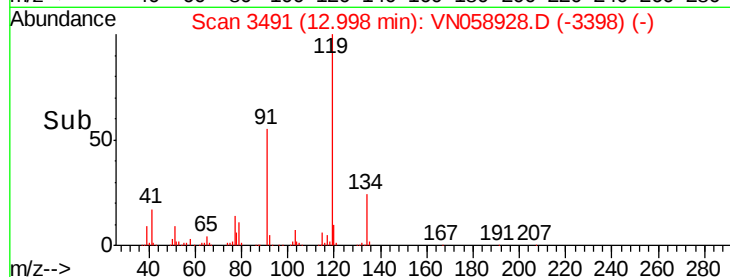
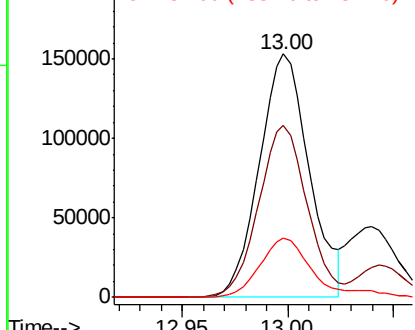
#83
tert-Butylbenzene
Concen: 20.652 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :

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

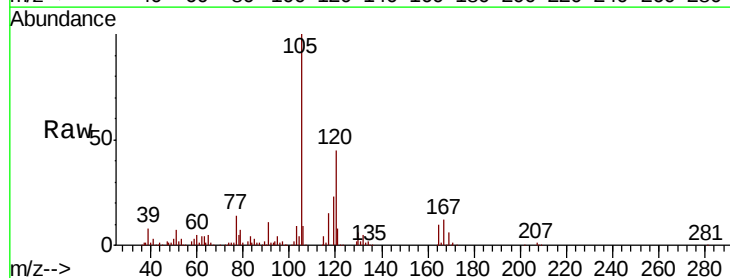


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

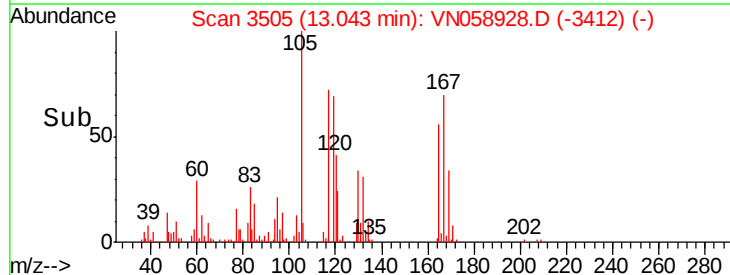
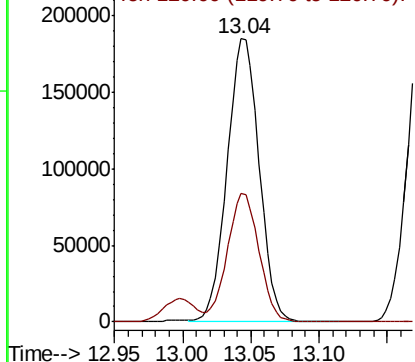


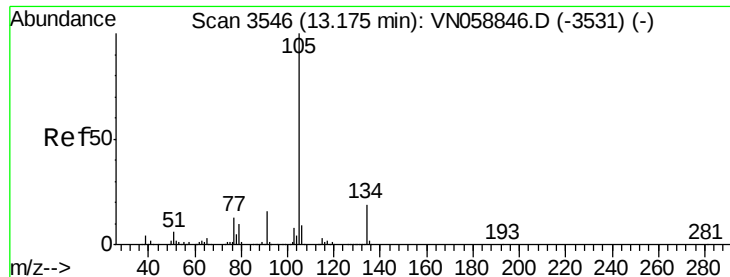
#84
1,2,4-Trimethylbenzene
Concen: 21.409 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

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



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





#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

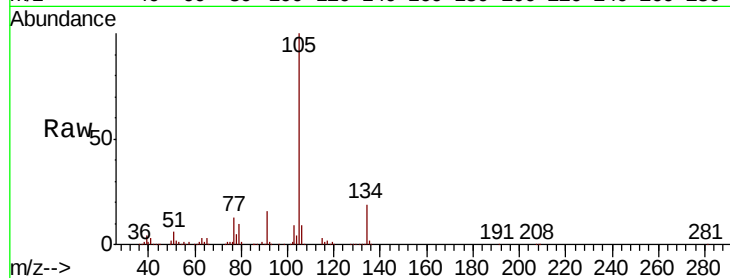
ClientSampleId :

Tot Ion:105 Resp: 344850

Ion Ratio Lower Upper

105 100

134 19.2 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

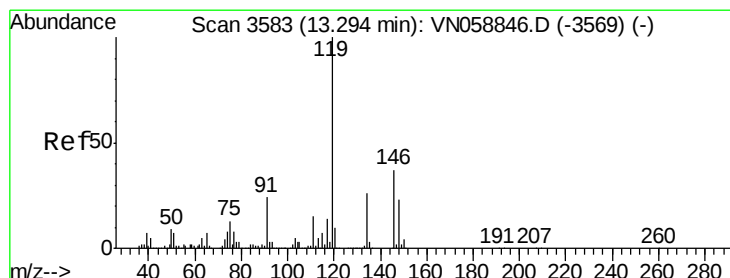
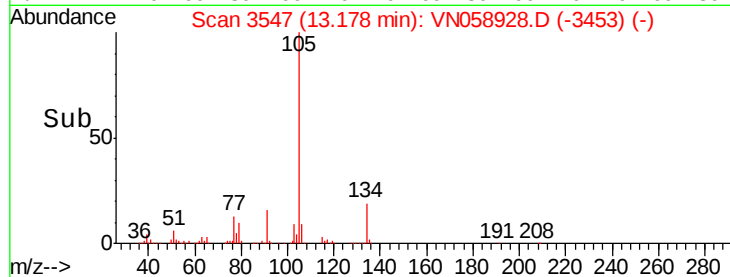
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#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

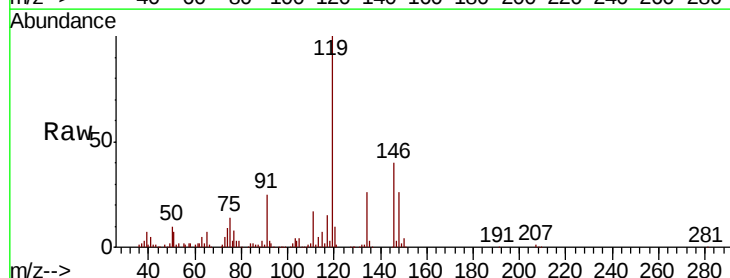
Tgt Ion:119 Resp: 305393

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 25.2 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

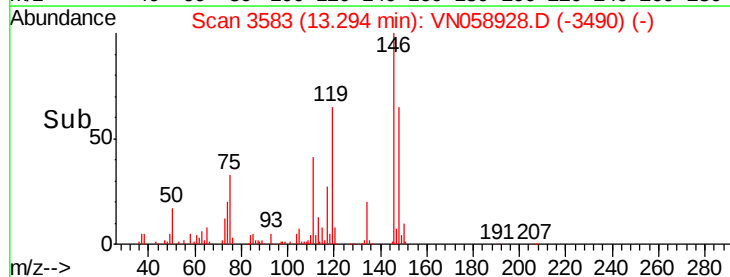
100000

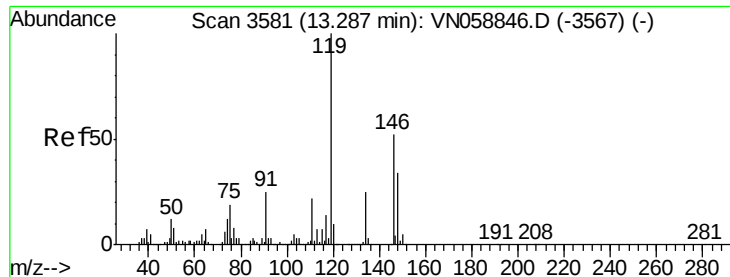
50000

0

13.20 13.25 13.30 13.35

Time-->





#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

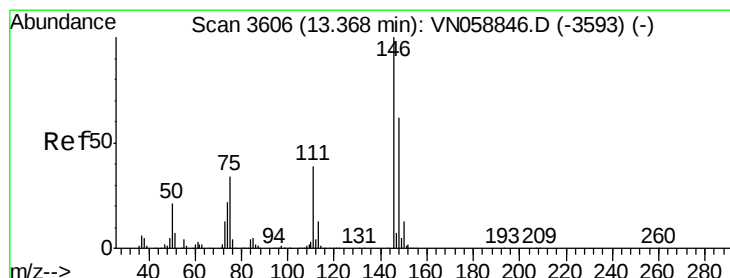
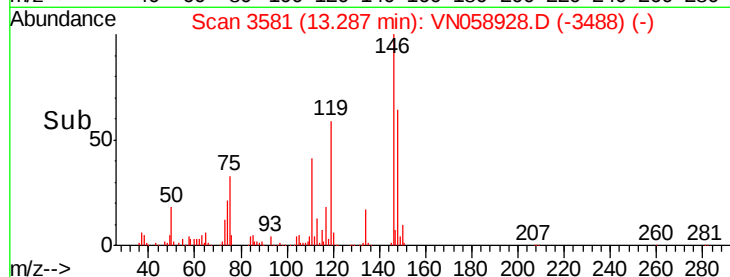
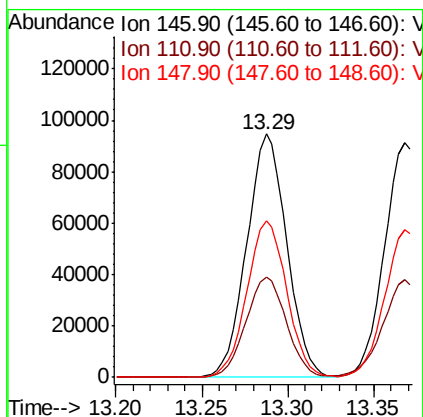
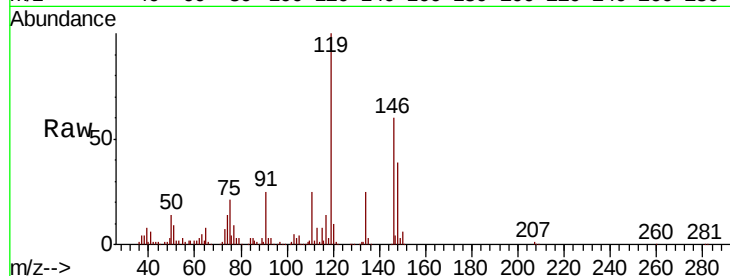
Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampled :

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

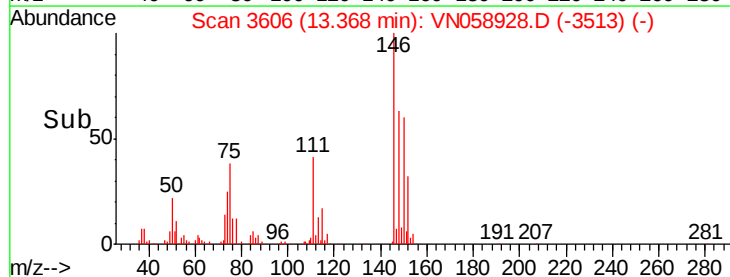
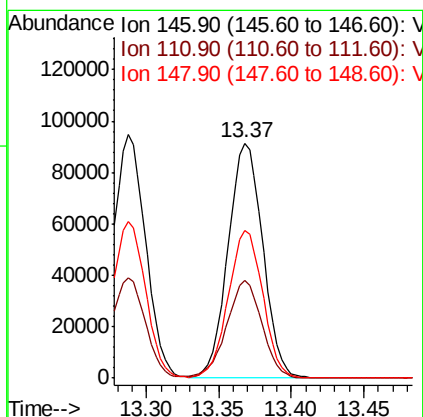
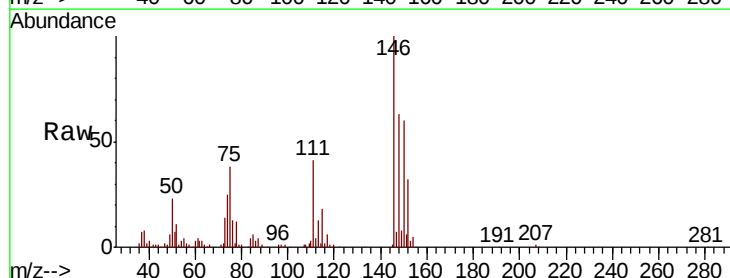
RT: 13.37 min Scan# 3606

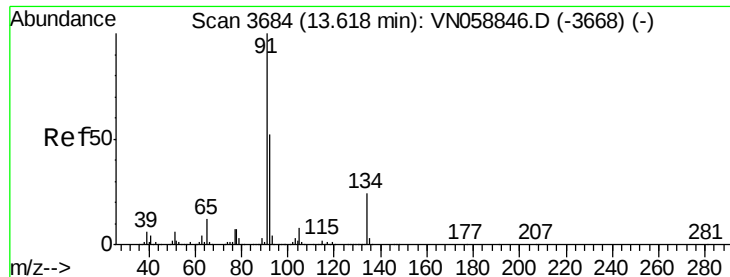
Delta R.T. 0.00 min

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

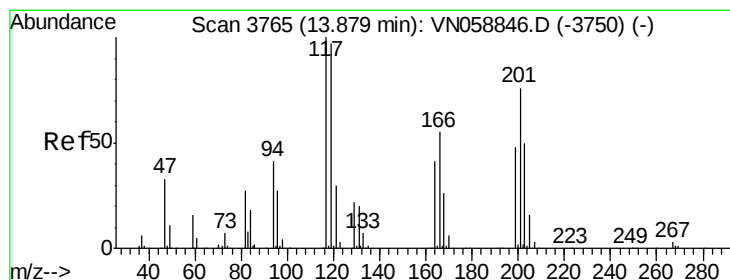
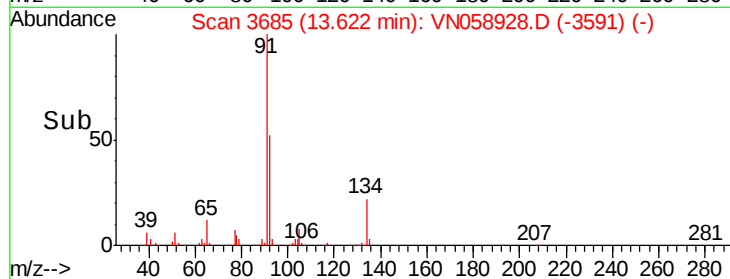
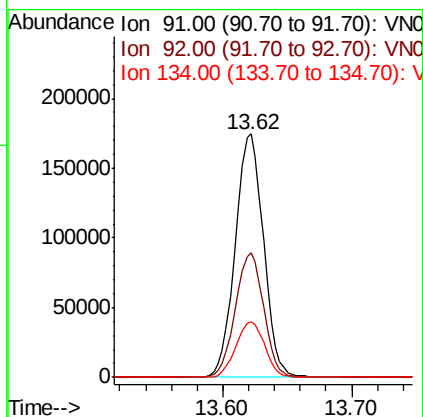
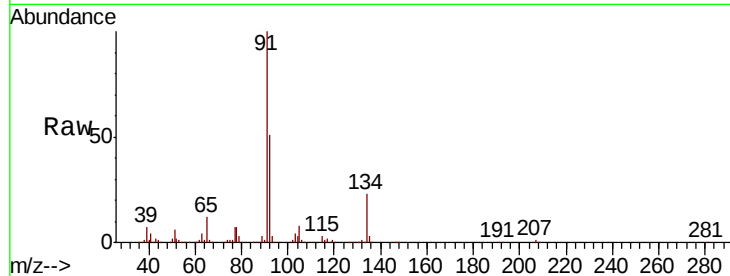




#89
n-Butylbenzene
Concen: 20.195 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

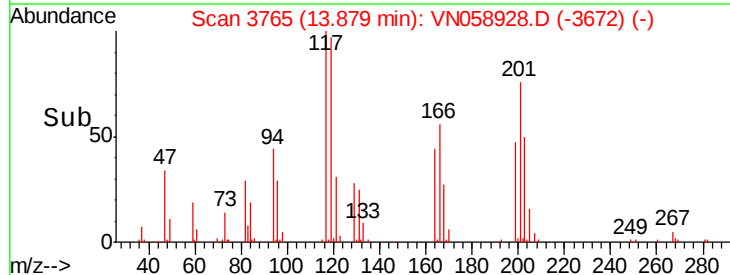
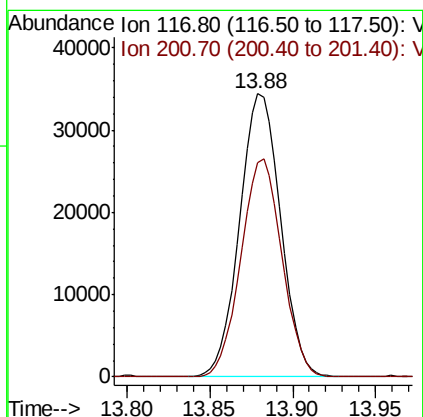
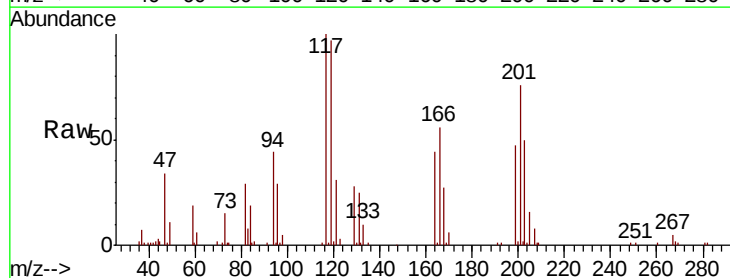
Instrument :
MSVOA_N
ClientSampleId :

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



#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





#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 :

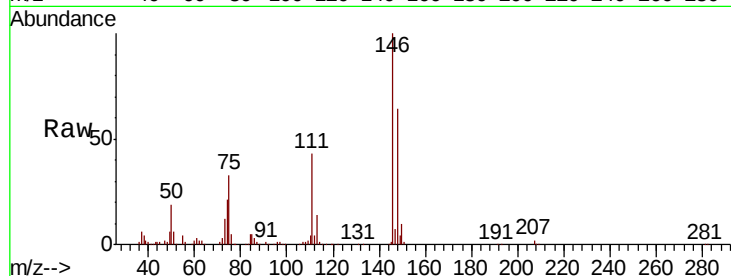
Tot Ion:146 Resp: 151588

Ion Ratio Lower Upper

146 100

111 43.0 21.6 64.8

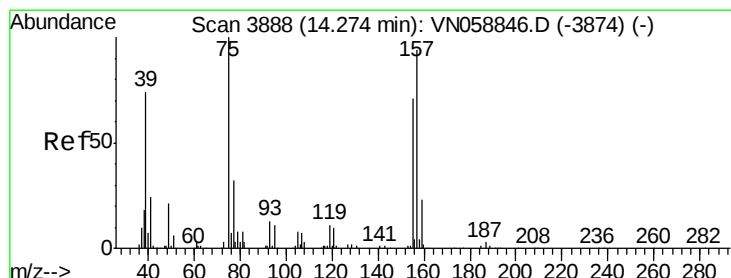
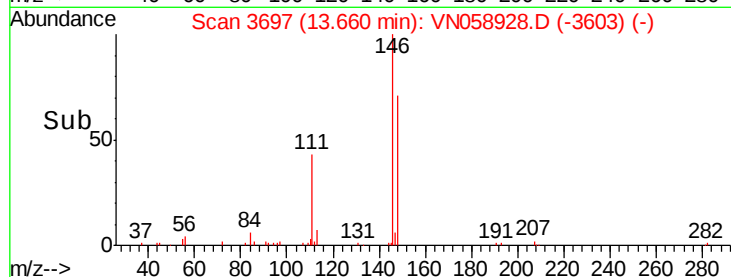
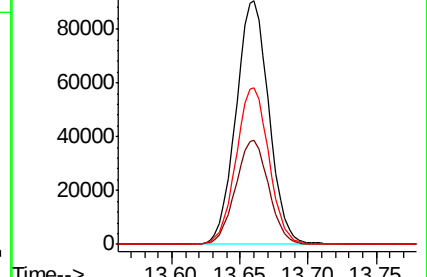
148 64.0 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 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

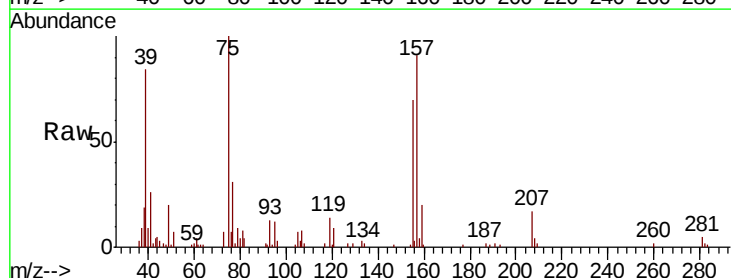
Tgt Ion: 75 Resp: 26636

Ion Ratio Lower Upper

75 100

155 68.5 35.6 106.8

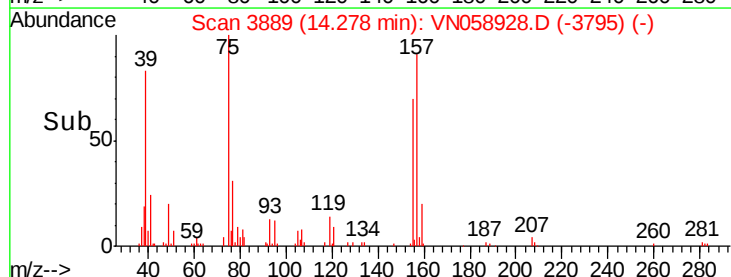
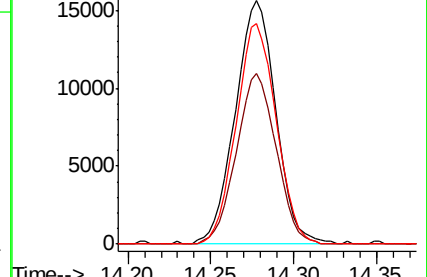
157 89.2 47.4 142.2

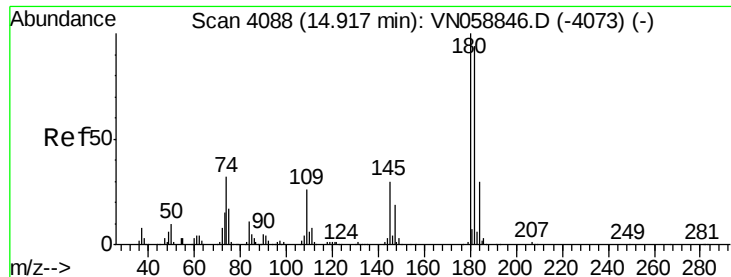


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

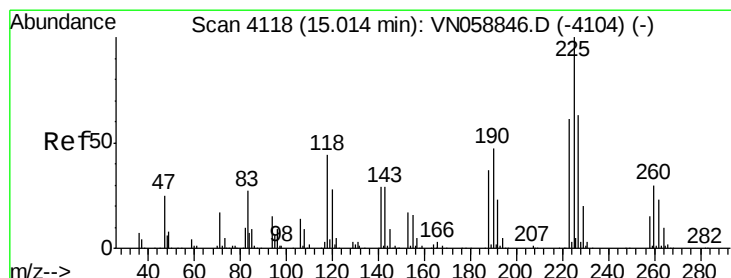
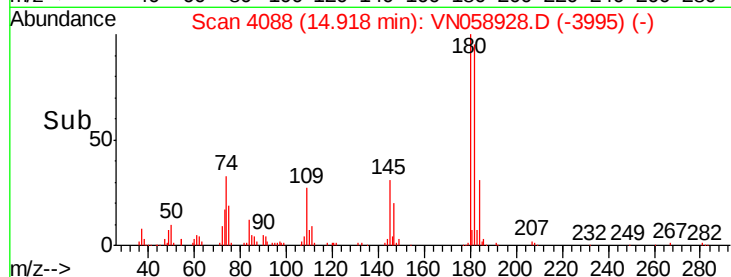
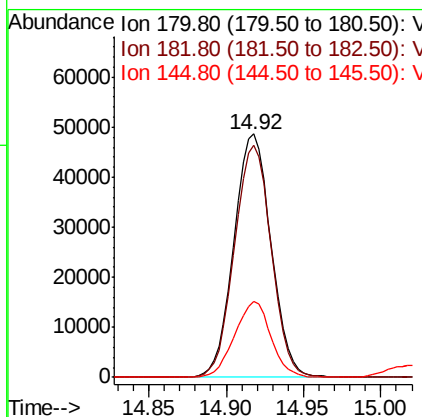
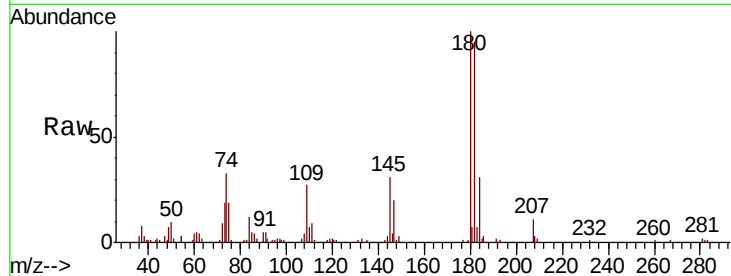




#93
 1,2,4-Trichlorobenzene
 Concen: 19.166 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

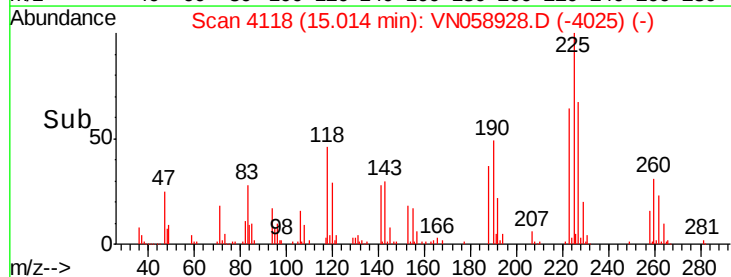
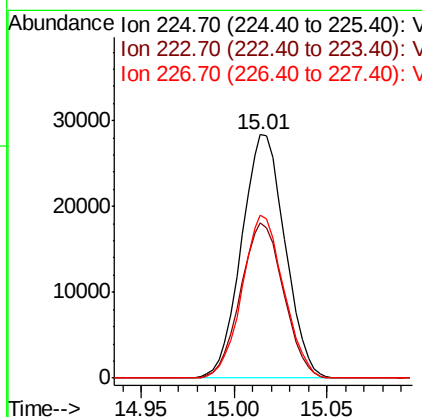
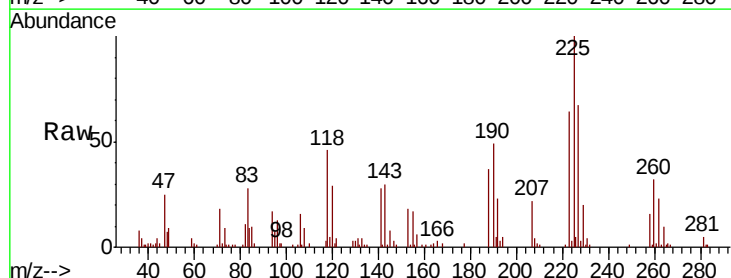
Instrument :
 MSVOA_N
 ClientSampleId :

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 :

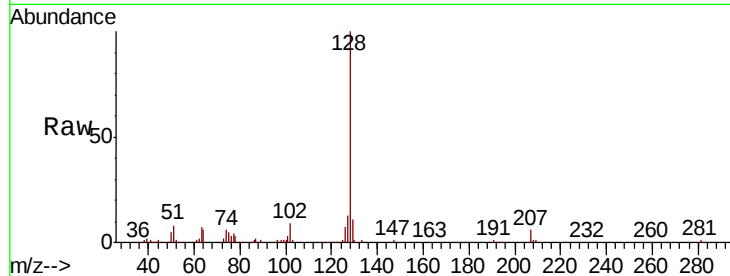
Tot Ion:128 Resp: 226503

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

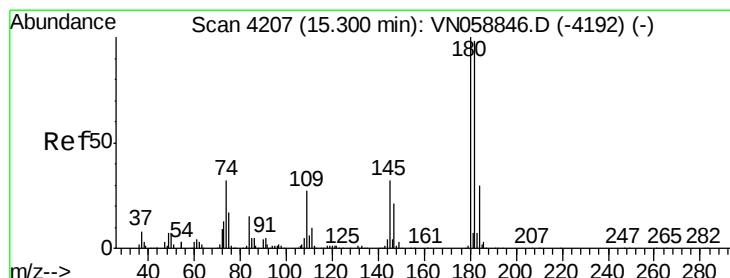
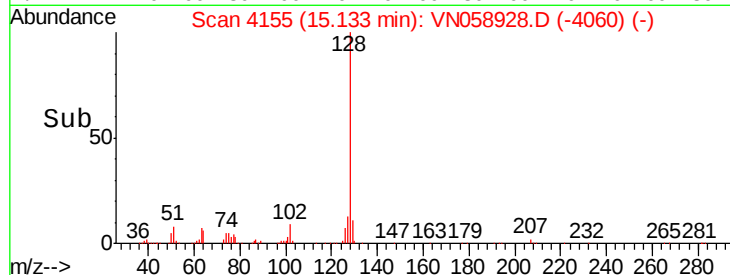
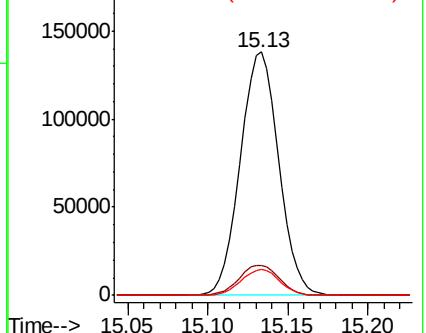
129 10.7 8.4 12.6



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

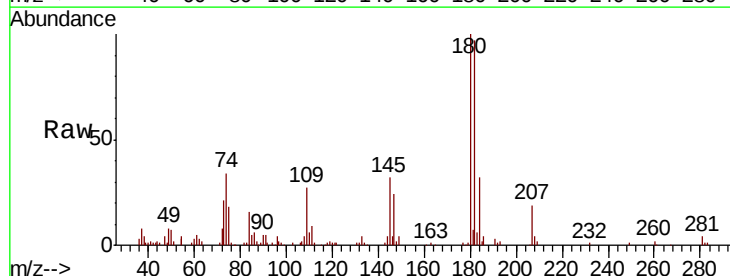
Tgt Ion:180 Resp: 80116

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

