

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058815.D
 Acq On : 17 Oct 2019 10:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 01:24:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	398211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	641105	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	594380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	292189	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	280100	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
35) Dibromofluoromethane	7.57	113	202311	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
50) Toluene-d8	10.08	98	792348	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.40	95	300892	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	248345	50.075	ug/l	98
3) Chloromethane	2.04	50	288317	48.889	ug/l	100
4) Vinyl Chloride	2.17	62	304793	51.891	ug/l	100
5) Bromomethane	2.53	94	186118	52.088	ug/l	100
6) Chloroethane	2.68	64	188135	51.928	ug/l	99
7) Trichlorofluoromethane	3.00	101	368192	52.378	ug/l	100
8) Diethyl Ether	3.39	74	135002	51.978	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	206409	51.497	ug/l	97
10) Methyl Iodide	3.93	142	275701	50.406	ug/l	100
11) Tert butyl alcohol	4.76	59	242172	268.227	ug/l	100
12) 1,1-Dichloroethene	3.72	96	195536	51.131	ug/l	96
13) Acrolein	3.58	56	159101	219.108	ug/l	99
14) Allyl chloride	4.30	41	407547	52.808	ug/l	98
15) Acrylonitrile	4.96	53	642199	282.053	ug/l	99
16) Acetone	3.79	43	745109	322.841	ug/l	99
17) Carbon Disulfide	4.03	76	578202	47.299	ug/l	99
18) Methyl Acetate	4.30	43	333528	56.971	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	737682	54.020	ug/l	97
20) Methylene Chloride	4.53	84	239605	49.674	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	217350	50.810	ug/l	99
22) Diisopropyl ether	5.92	45	821266	54.731	ug/l	96
23) Vinyl Acetate	5.87	43	3539076	292.292	ug/l	100
24) 1,1-Dichloroethane	5.82	63	447833	52.402	ug/l	99
25) 2-Butanone	6.81	43	975189	292.329	ug/l	98
26) 2,2-Dichloropropane	6.80	77	401213	51.429	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	250736	50.265	ug/l	99
28) Bromochloromethane	7.17	49	157229	52.883	ug/l	96
29) Tetrahydrofuran	7.19	42	607812	281.945	ug/l	99
30) Chloroform	7.35	83	440678	51.323	ug/l	100
31) Cyclohexane	7.63	56	397719	48.638	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	387332	52.895	ug/l	100
36) 1,1-Dichloropropene	7.77	75	334791	51.649	ug/l	99
37) Ethyl Acetate	6.90	43	380139	57.988	ug/l	98
38) Carbon Tetrachloride	7.75	117	334787	52.994	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	383228	50.950	ug/l	99
40) Benzene	8.02	78	977747	52.521	ug/l	99
41) Methacrylonitrile	7.19	41	551631	179.763	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	378520	52.924	ug/l	100
43) Isopropyl Acetate	8.15	43	610227	54.643	ug/l	100
44) Trichloroethene	8.82	130	237739	51.425	ug/l	98
45) 1,2-Dichloropropane	9.11	63	269098	53.997	ug/l	99
46) Dibromomethane	9.20	93	167864	53.127	ug/l	100
47) Bromodichloromethane	9.39	83	354856	55.152	ug/l	99
48) Methyl methacrylate	9.19	41	283399	55.984	ug/l	100
49) 1,4-Dioxane	9.19	88	87981	1123.438	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1918231	305.848	ug/l	100
52) Toluene	10.15	92	594760	52.236	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	406884	55.136	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	429157	54.773	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	236735	50.799	ug/l	99
56) Ethyl methacrylate	10.43	69	393895	57.855	ug/l	99
57) 1,3-Dichloropropane	10.70	76	427158	53.789	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	902117	274.947	ug/l	100
59) 2-Hexanone	10.75	43	1471780	303.654	ug/l	100
60) Dibromochloromethane	10.90	129	265552	55.238	ug/l	99
61) 1,2-Dibromoethane	11.00	107	253917	54.386	ug/l	98
64) Tetrachloroethene	10.63	164	210008	50.487	ug/l	96
65) Chlorobenzene	11.43	112	633856	52.512	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	240768	53.942	ug/l	100
67) Ethyl Benzene	11.51	91	1183441	55.001	ug/l	100
68) m/p-Xylenes	11.62	106	874595	108.313	ug/l	99
69) o-Xylene	11.95	106	414945	53.114	ug/l	99
70) Styrene	11.97	104	701158	54.758	ug/l	99
71) Bromoform	12.13	173	189499	57.922	ug/l #	99
73) Isopropylbenzene	12.25	105	1159319	54.786	ug/l	100
74) N-amyl acetate	12.07	43	545555	57.402	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	379083	54.379	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	518352	80.867	ug/l #	100
77) Bromobenzene	12.53	156	269479	52.356	ug/l	98
78) n-propylbenzene	12.59	91	1383257	56.097	ug/l	99
79) 2-Chlorotoluene	12.68	91	809602	52.899	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	979452	54.215	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	135784	56.744	ug/l	99
82) 4-Chlorotoluene	12.78	91	845801	53.855	ug/l	100
83) tert-Butylbenzene	13.00	119	830725	53.676	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	988597	55.122	ug/l	100
85) sec-Butylbenzene	13.18	105	1144686	56.131	ug/l	100
86) p-Isopropyltoluene	13.29	119	1029046	55.521	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	494533	52.099	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	497263	51.524	ug/l	99
89) n-Butylbenzene	13.62	91	941781	54.953	ug/l	100
90) Hexachloroethane	13.88	117	187115	56.421	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	486623	52.600	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	83220	51.100	ug/l	97

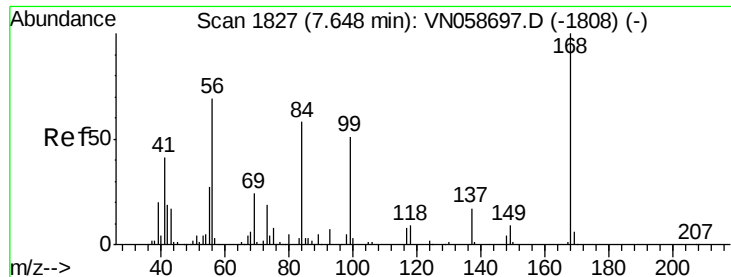
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	289592	51.314	ug/l	100
94) Hexachlorobutadiene	15.02	225	153209	51.552	ug/l	97
95) Naphthalene	15.13	128	870076	53.644	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	284467	51.628	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

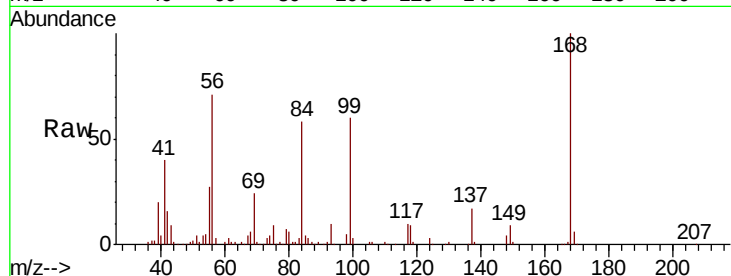
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 398211

Ion Ratio Lower Upper

168 100

99 59.7 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

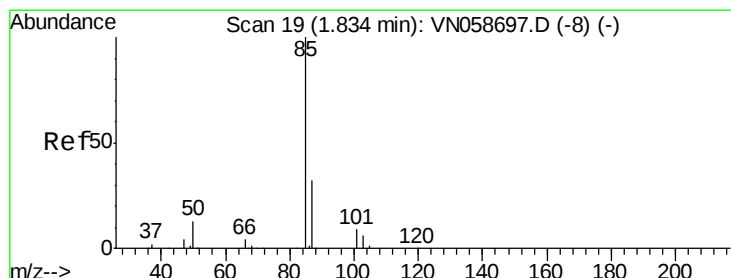
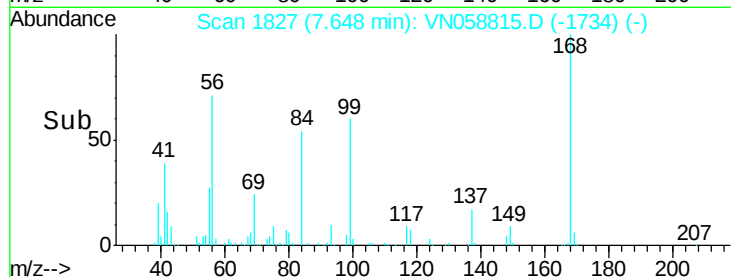
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 50.075 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058815.D

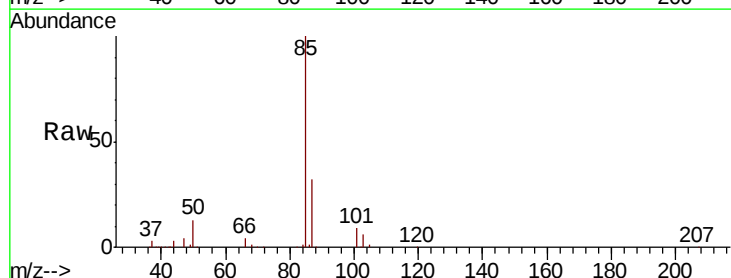
Acq: 17 Oct 2019 10:01

Tgt Ion: 85 Resp: 248345

Ion Ratio Lower Upper

85 100

87 31.5 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

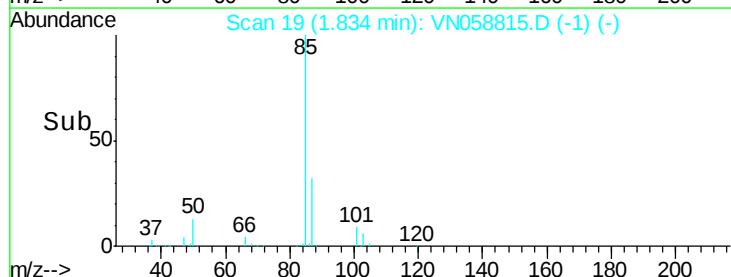
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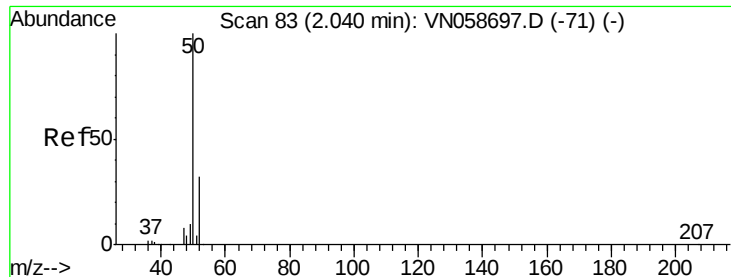
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 48.889 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

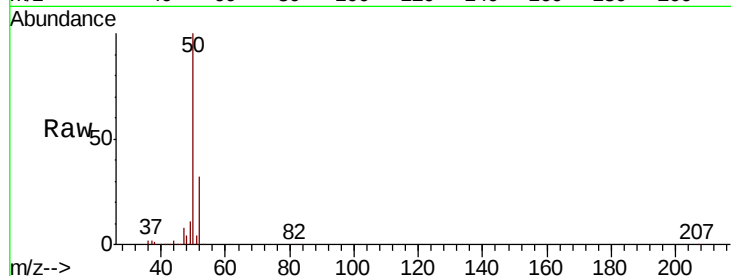
ClientSampleId :

Tot Ion: 50 Resp: 288317

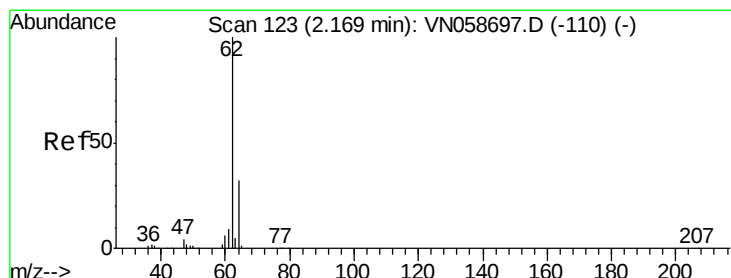
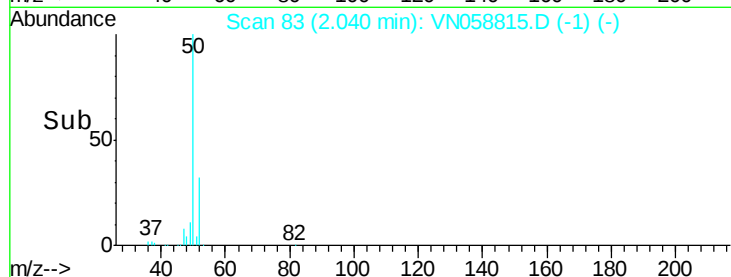
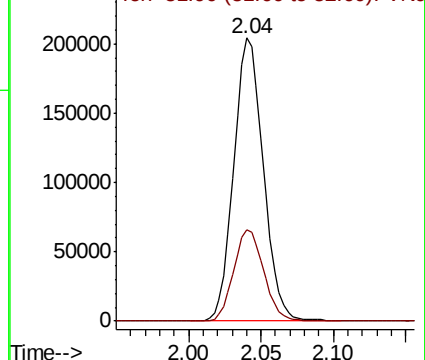
Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 51.891 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058815.D

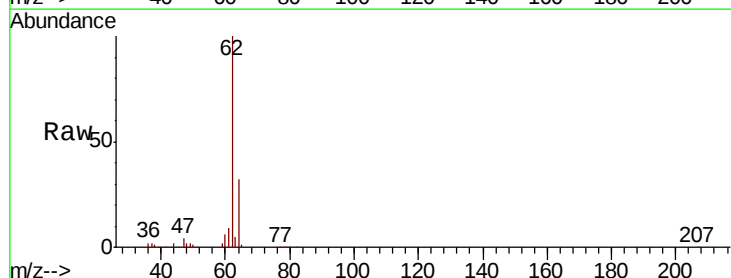
Acq: 17 Oct 2019 10:01

Tgt Ion: 62 Resp: 304793

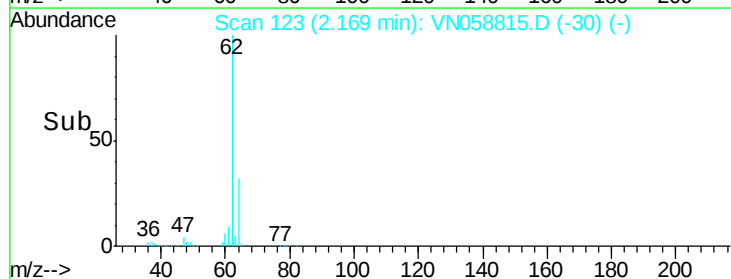
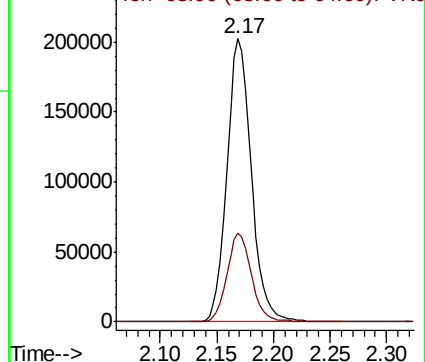
Ion Ratio Lower Upper

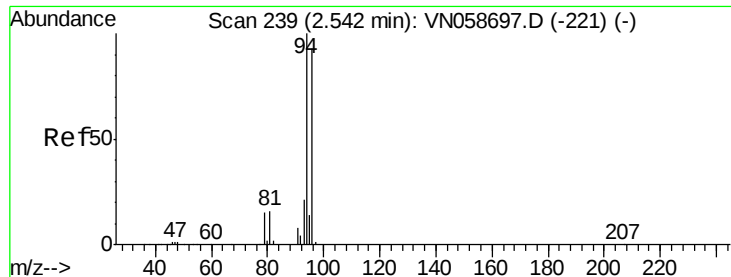
62 100

64 31.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 52.088 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

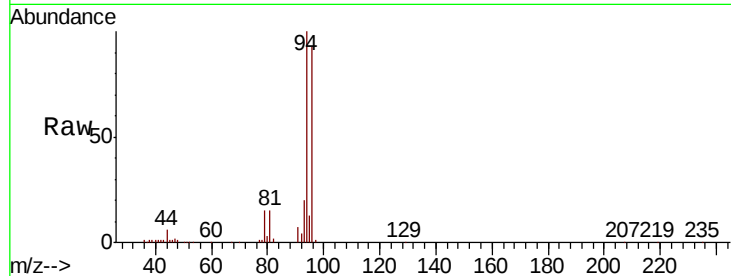
ClientSampled :

Tot Ion: 94 Resp: 186118

Ion Ratio Lower Upper

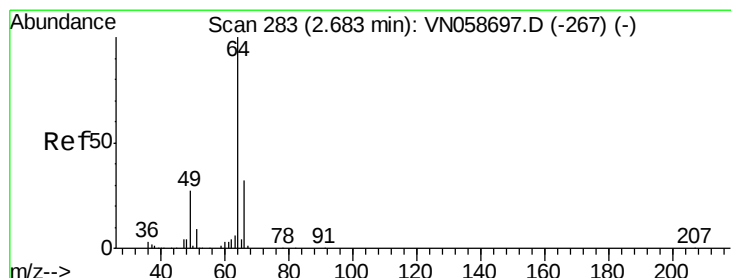
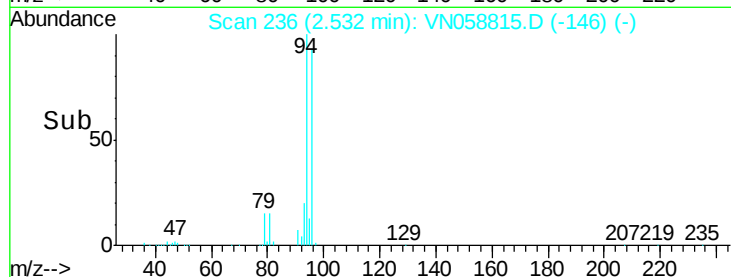
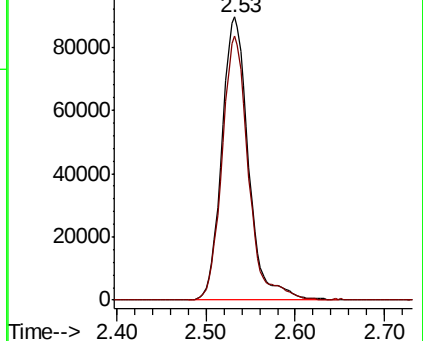
94 100

96 93.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 51.928 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN058815.D

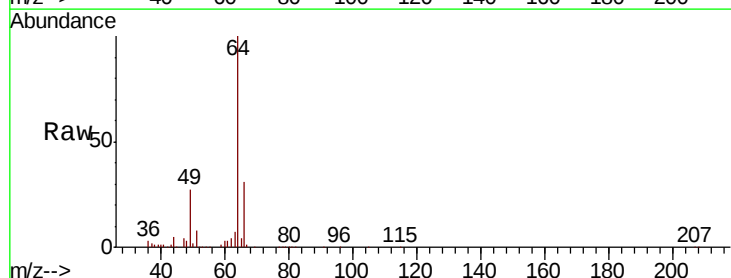
Acq: 17 Oct 2019 10:01

Tgt Ion: 64 Resp: 188135

Ion Ratio Lower Upper

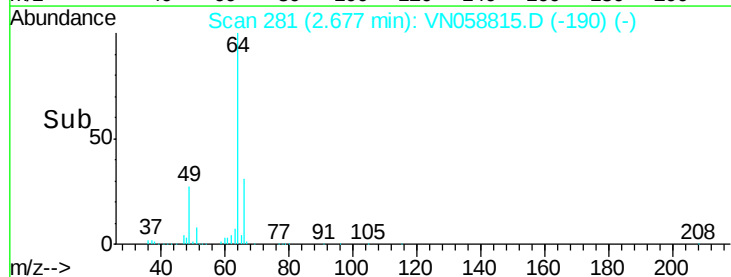
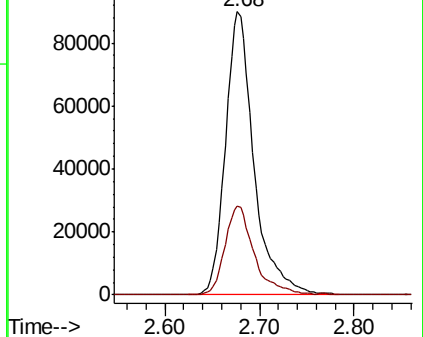
64 100

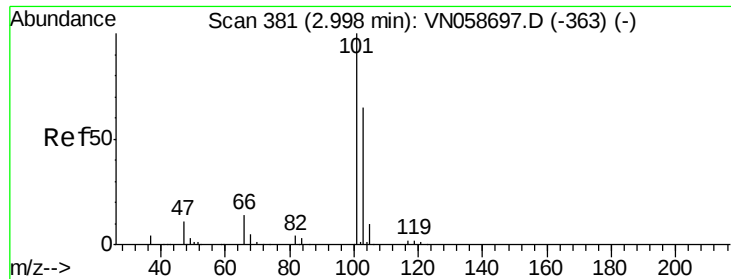
66 31.3 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



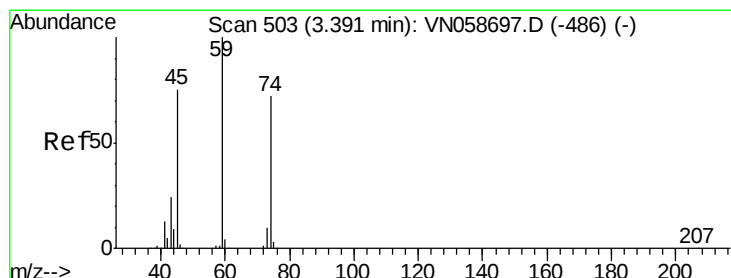
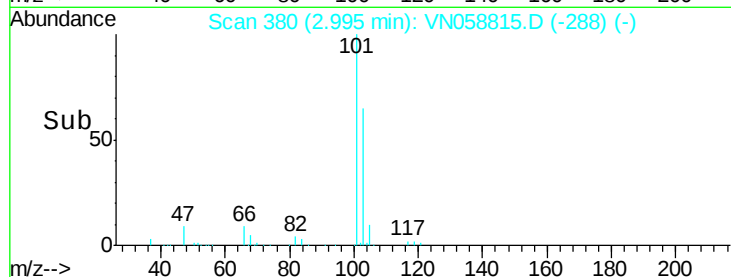
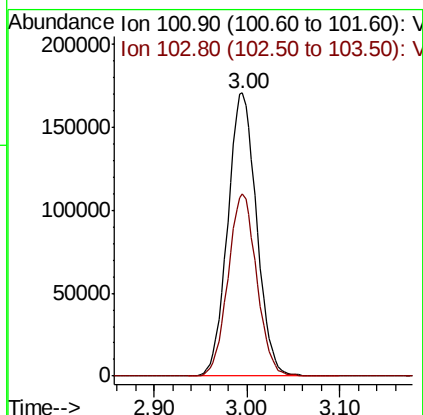
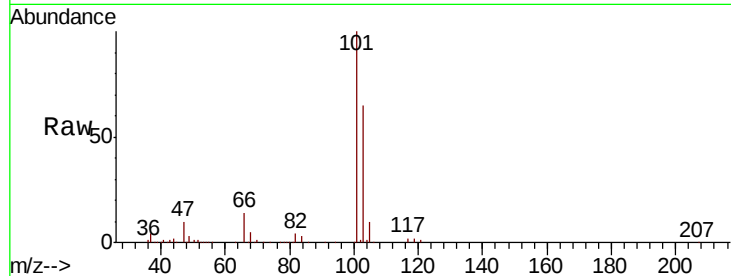


#7

Trichlorofluoromethane
 Concen: 52.378 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :

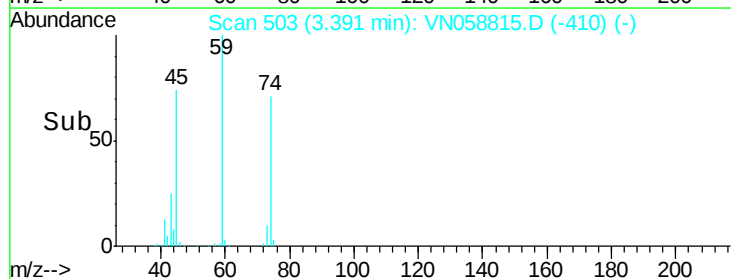
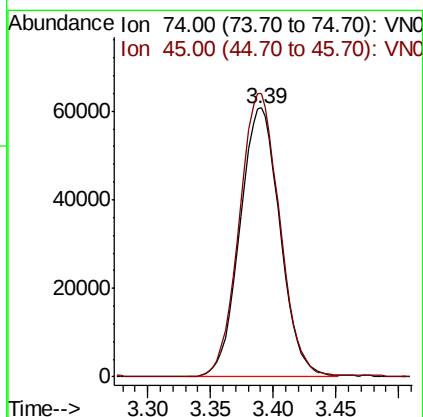
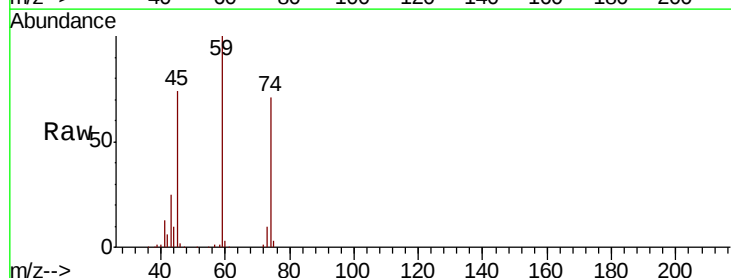
Tot Ion:101 Resp: 368192
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.8 77.6

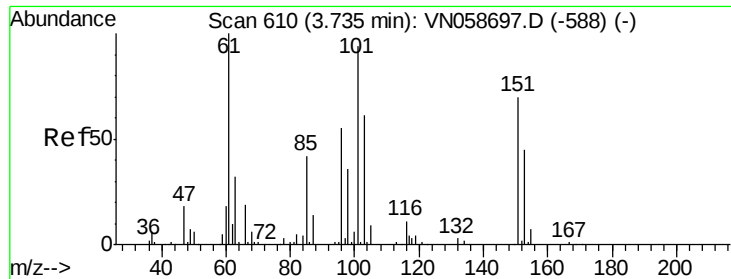


#8

Diethyl Ether
 Concen: 51.978 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Tgt Ion: 74 Resp: 135002
 Ion Ratio Lower Upper
 74 100
 45 106.0 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.497 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

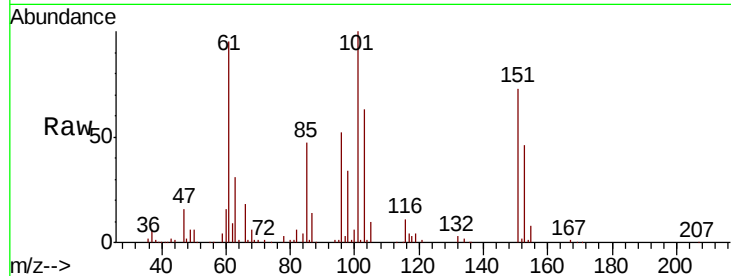
Tot Ion:101 Resp: 206409

Ion Ratio Lower Upper

101 100

85 45.3 37.0 55.6

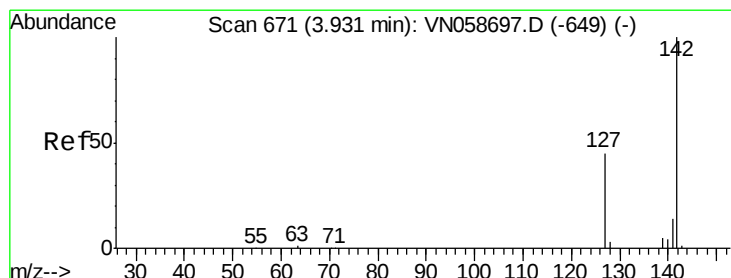
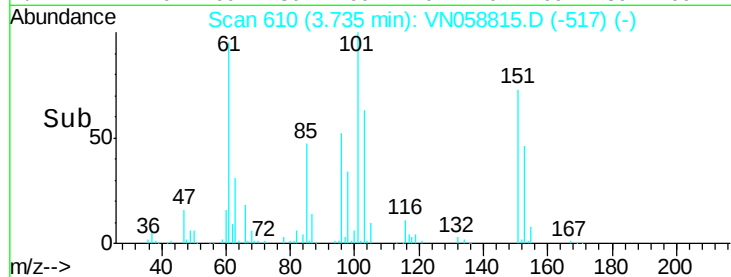
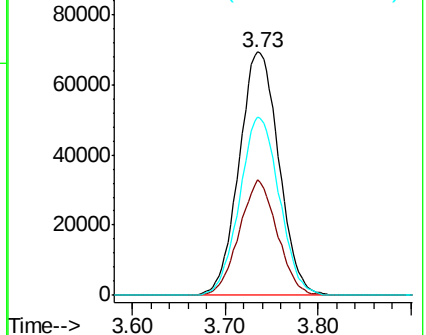
151 73.4 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.406 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

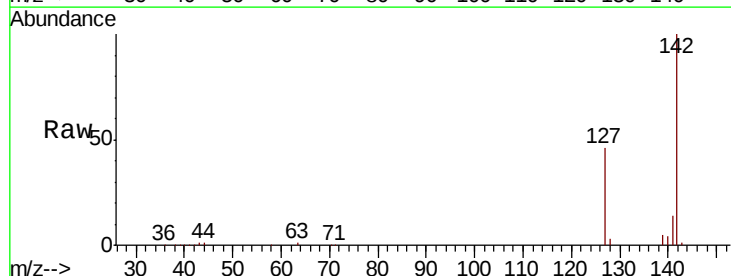
Tgt Ion:142 Resp: 275701

Ion Ratio Lower Upper

142 100

127 45.6 36.4 54.6

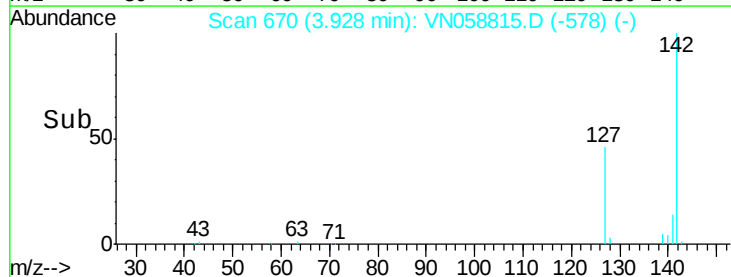
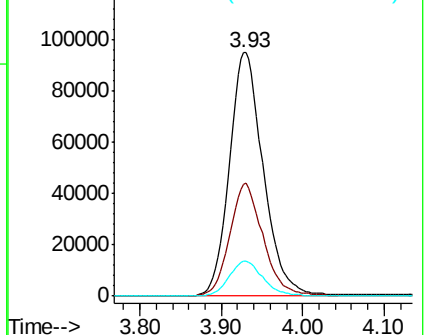
141 14.5 11.1 16.7

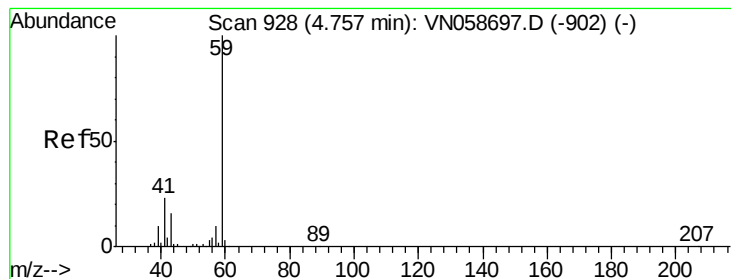


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



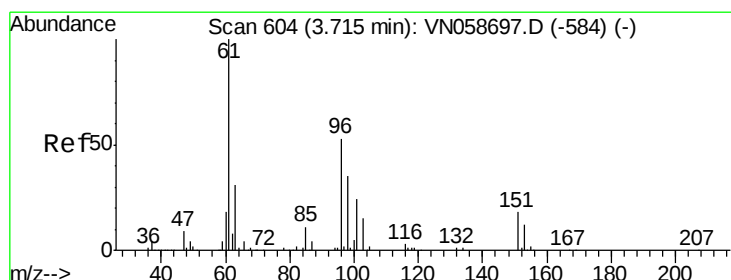
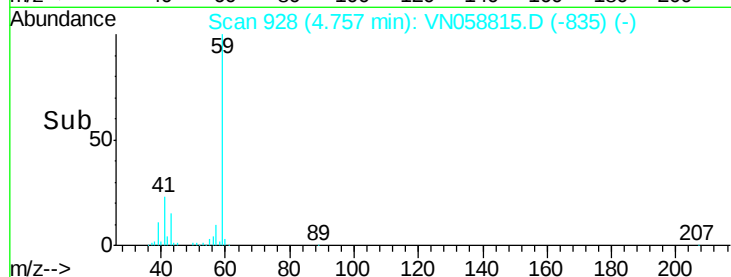
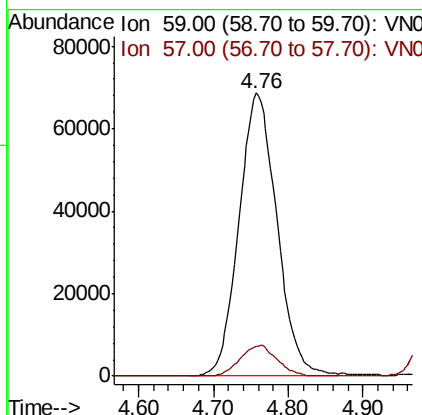
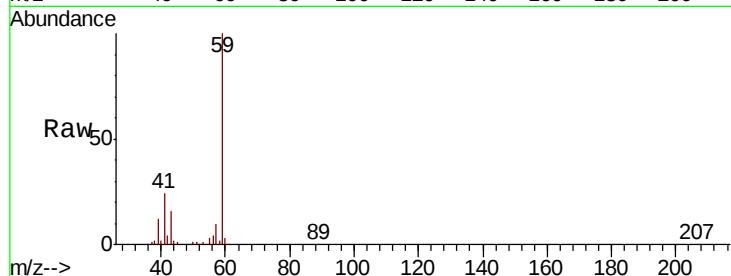


#11

Tert butyl alcohol
 Concen: 268.227 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :

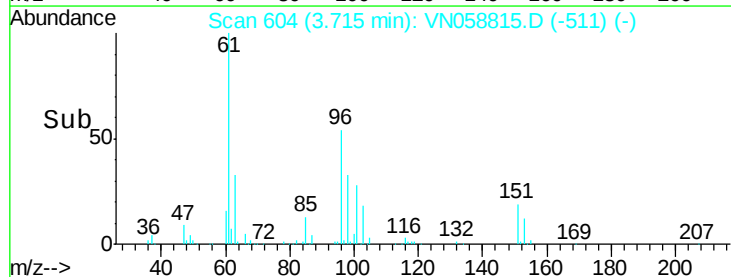
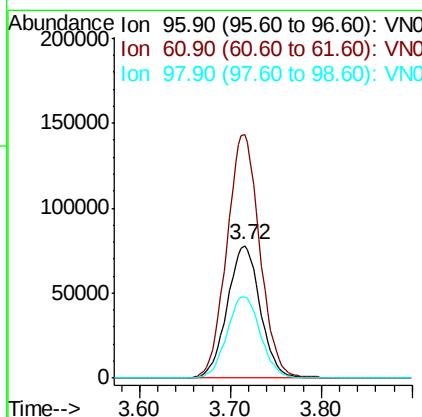
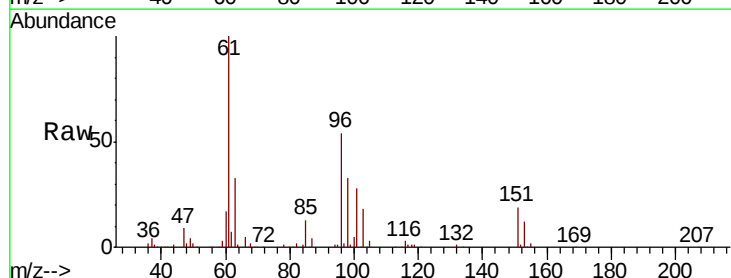
Tot Ion: 59 Resp: 242172
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.4 12.6

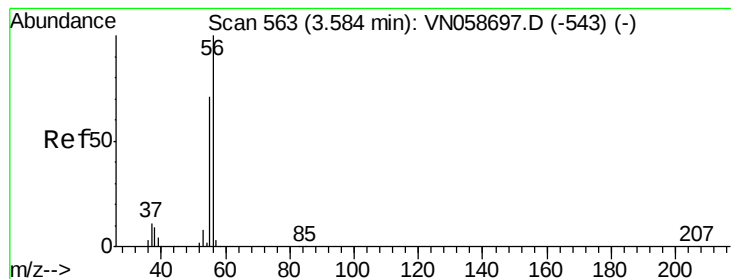


#12

1,1-Dichloroethene
 Concen: 51.131 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Tgt Ion: 96 Resp: 195536
 Ion Ratio Lower Upper
 96 100
 61 183.6 151.3 226.9
 98 61.5 52.6 78.8





#13

Acrolein

Concen: 219.108 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

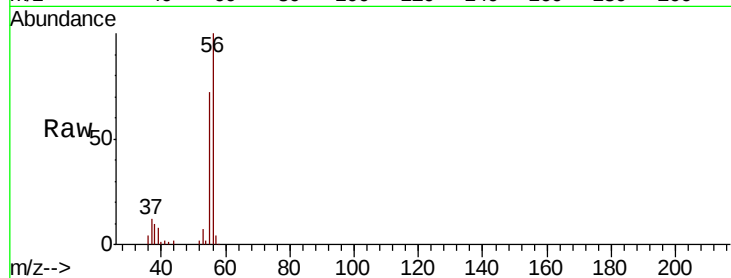
ClientSampleId :

Tot Ion: 56 Resp: 159101

Ion Ratio Lower Upper

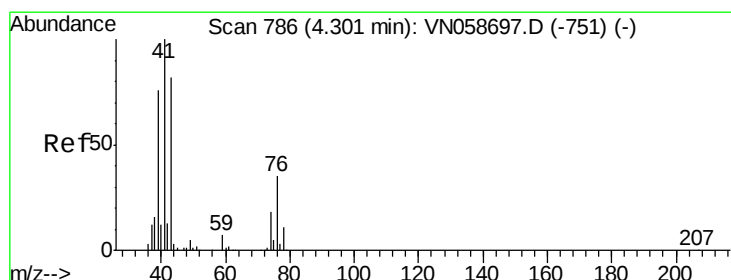
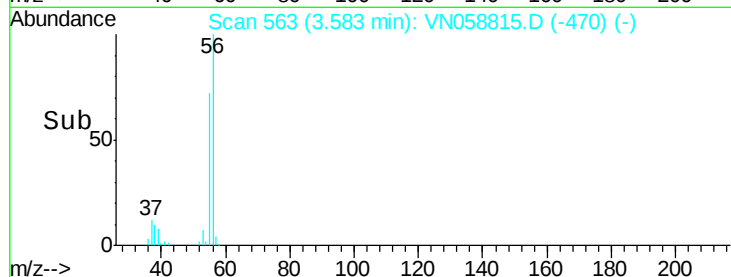
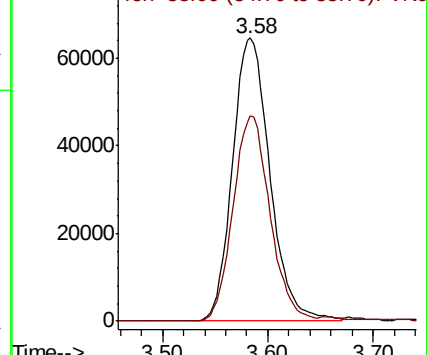
56 100

55 71.6 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 52.808 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

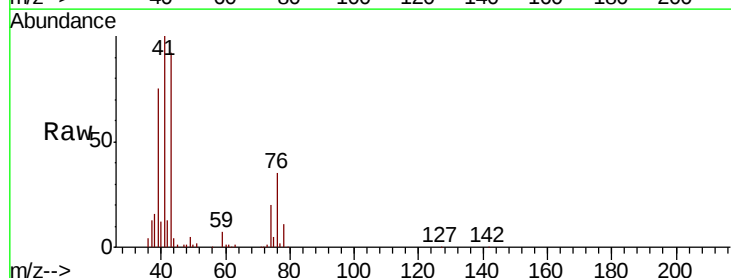
Tgt Ion: 41 Resp: 407547

Ion Ratio Lower Upper

41 100

39 69.6 57.2 85.8

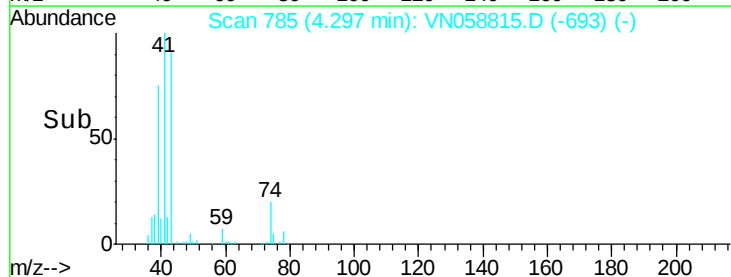
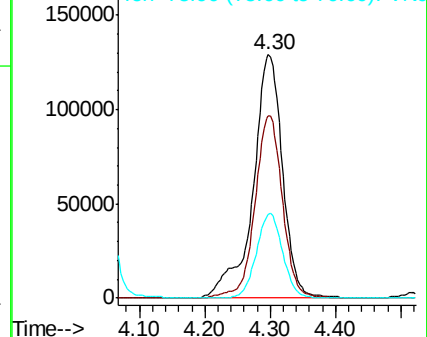
76 30.8 25.0 37.6

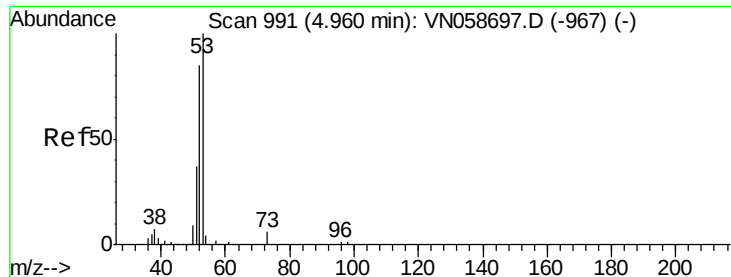


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 282.053 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampled :

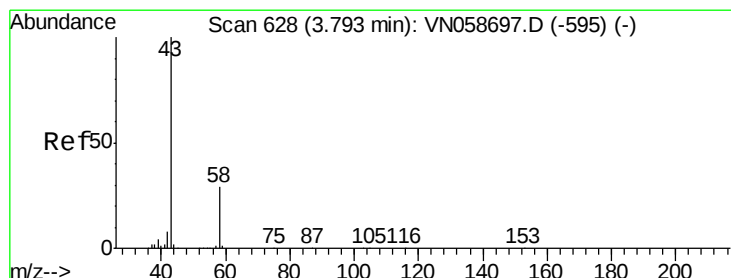
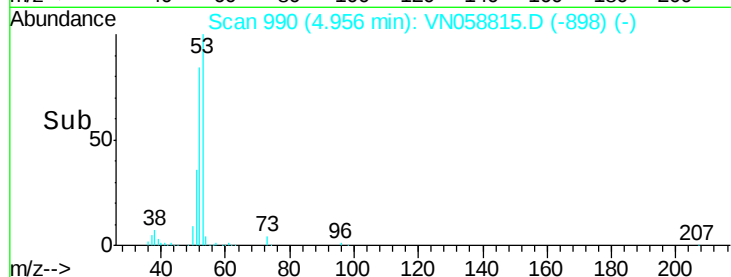
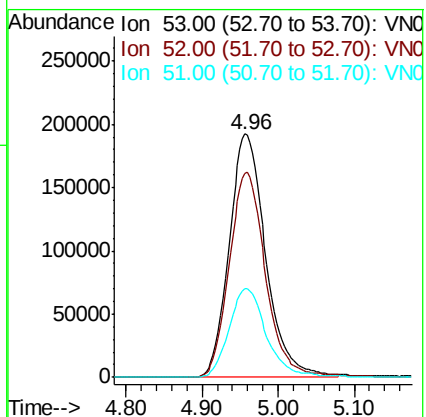
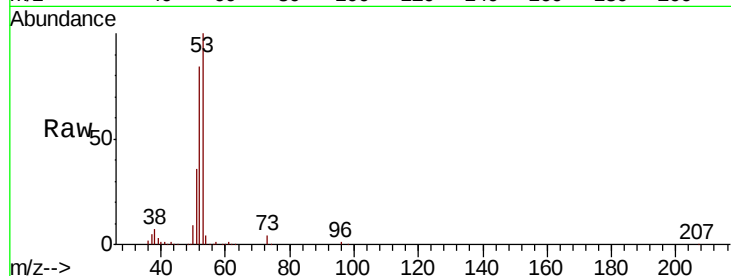
Tot Ion: 53 Resp: 642199

Ion Ratio Lower Upper

53 100

52 83.3 66.2 99.2

51 37.5 29.4 44.2



#16

Acetone

Concen: 322.841 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058815.D

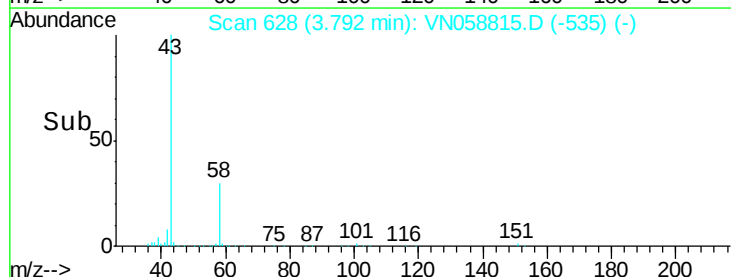
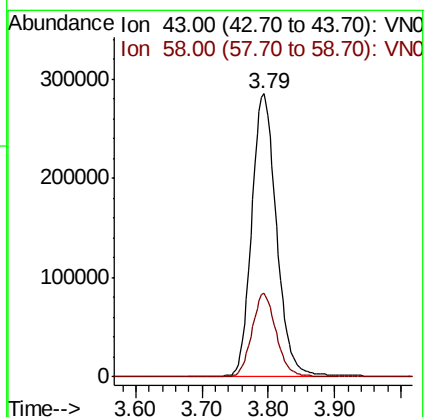
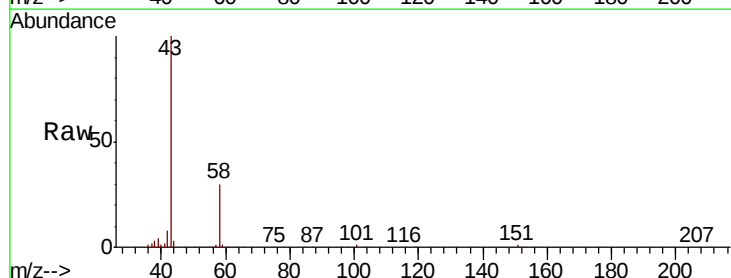
Acq: 17 Oct 2019 10:01

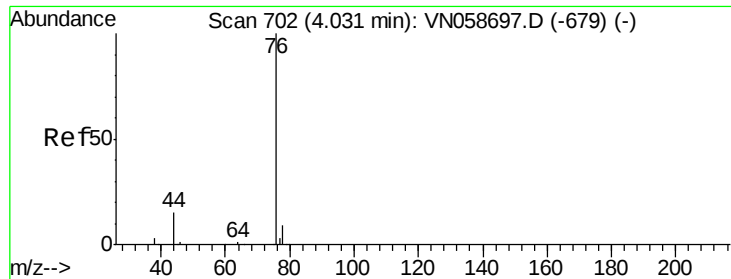
Tgt Ion: 43 Resp: 745109

Ion Ratio Lower Upper

43 100

58 29.7 23.3 34.9

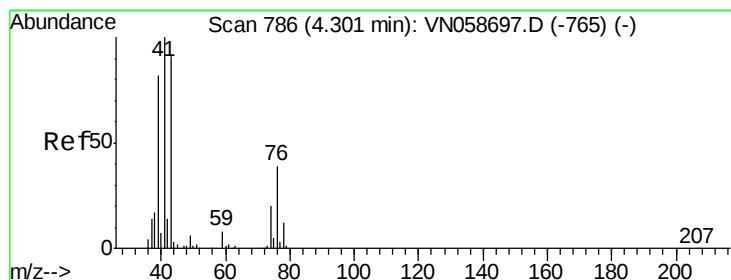
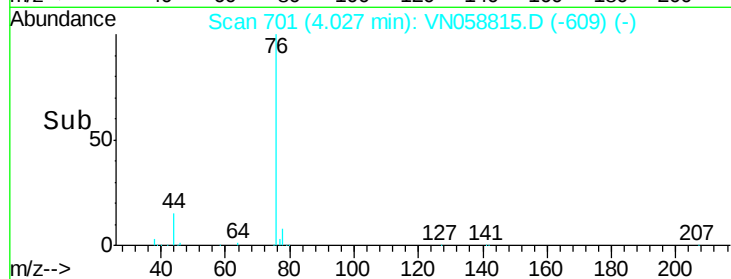
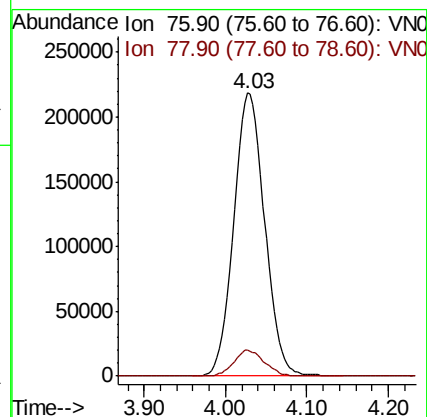
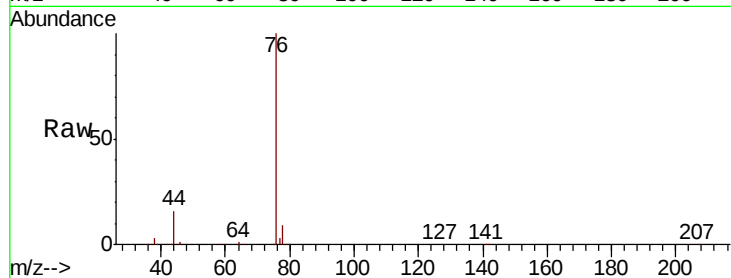




#17
Carbon Disulfide
Concen: 47.299 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

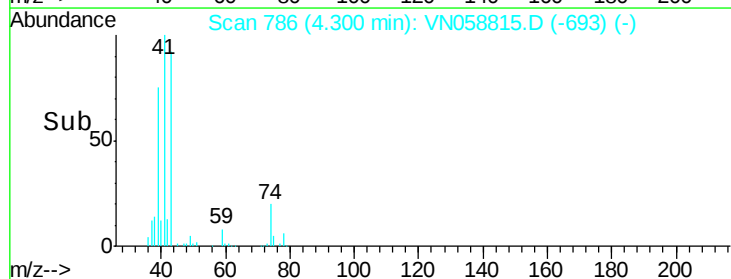
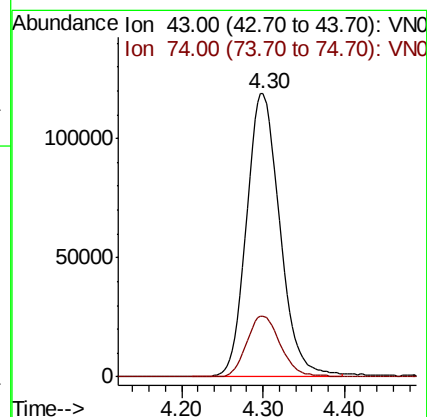
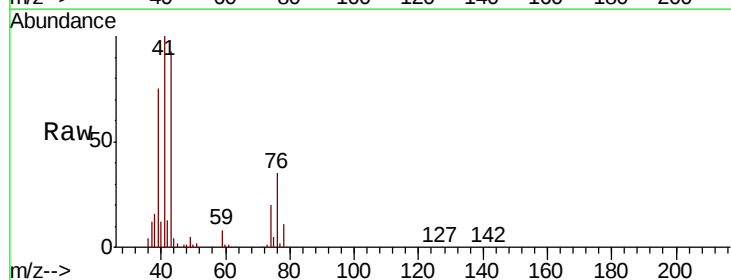
Instrument :
MSVOA_N
ClientSampleId :

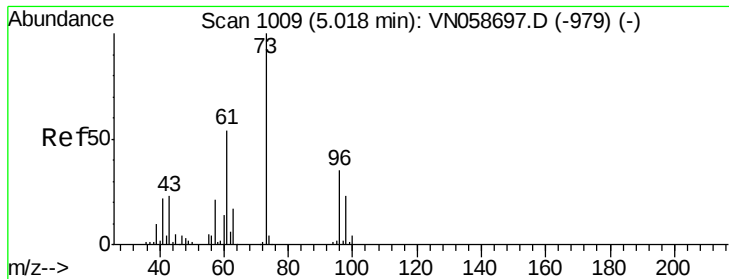
Tot Ion: 76 Resp: 578202
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 56.971 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion: 43 Resp: 333528
Ion Ratio Lower Upper
43 100
74 22.0 17.2 25.8

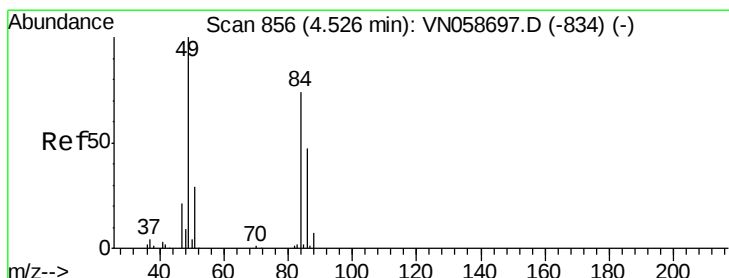
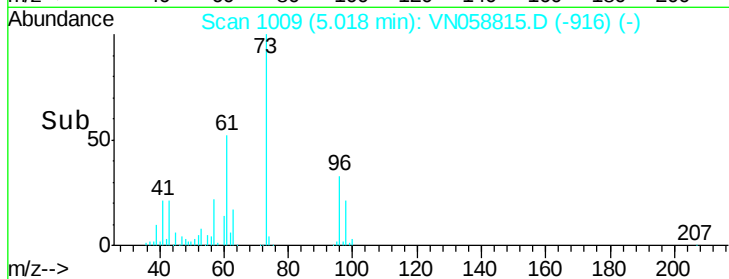
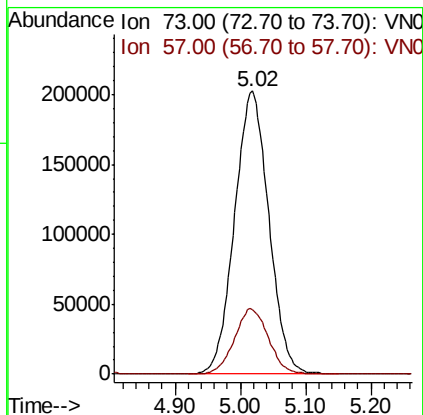
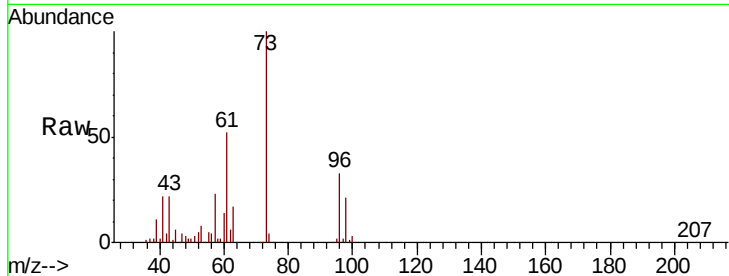




#19
Methvl tert-butvl Ether
Concen: 54.020 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

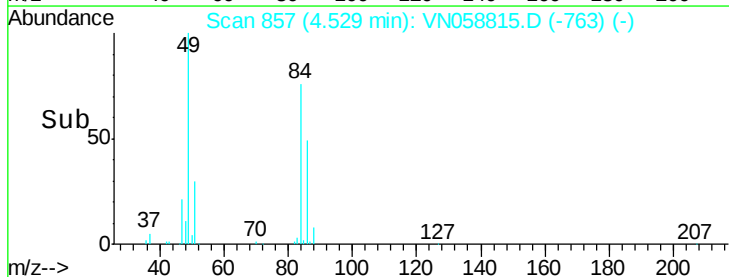
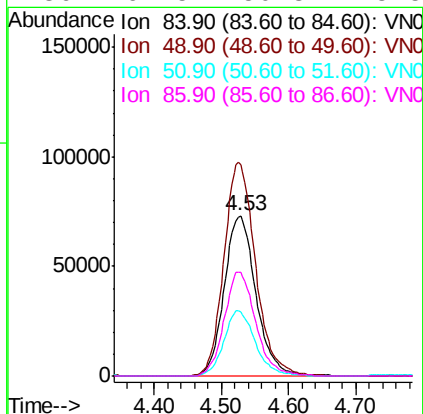
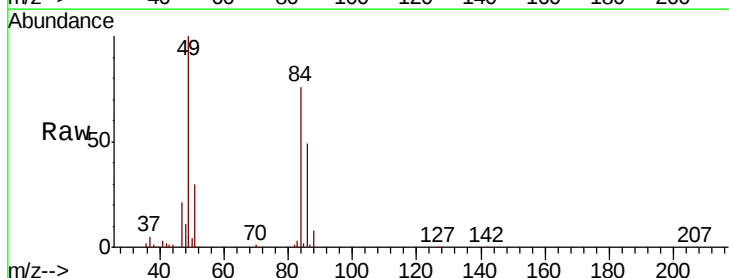
Instrument :
MSVOA_N
ClientSampled :

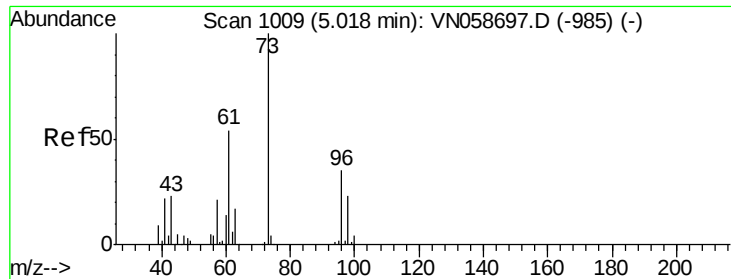
Tot Ion: 73 Resp: 737682
Ion Ratio Lower Upper
73 100
57 22.8 17.0 25.6



#20
Methylene Chloride
Concen: 49.674 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion: 84 Resp: 239605
Ion Ratio Lower Upper
84 100
49 132.2 107.6 161.4
51 40.2 31.4 47.0
86 64.5 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 50.810 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampled :

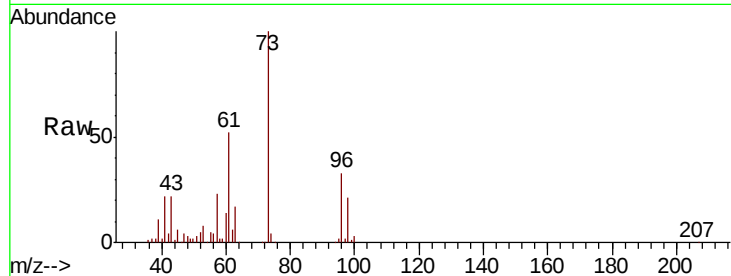
Tot Ion: 96 Resp: 217350

Ion Ratio Lower Upper

96 100

61 154.9 123.6 185.4

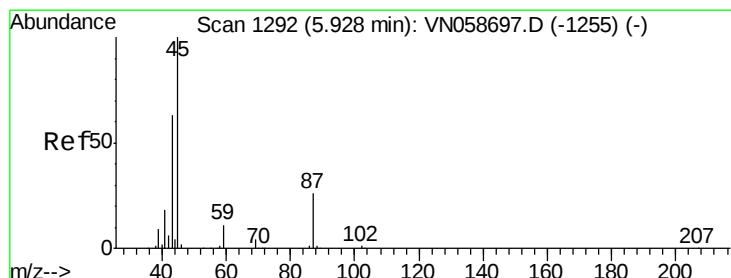
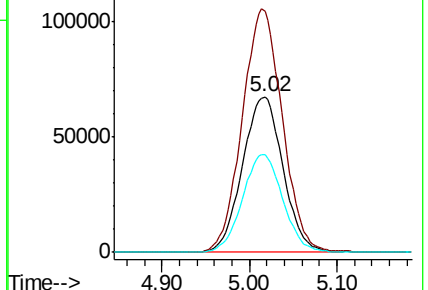
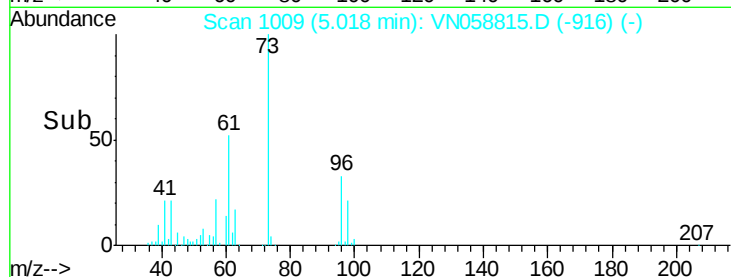
98 62.5 52.1 78.1



Abundance Ion 95.90 (95.60 to 96.60): VN058815.D (-916) (-)

Ion 60.90 (60.60 to 61.60): VN058815.D (-916) (-)

Ion 97.90 (97.60 to 98.60): VN058815.D (-916) (-)



#22

Diisopropyl ether

Concen: 54.731 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Tgt Ion: 45 Resp: 821266

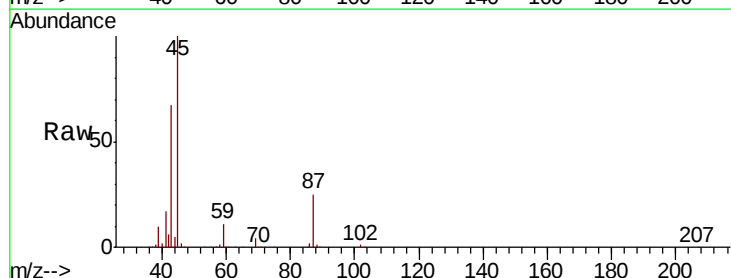
Ion Ratio Lower Upper

45 100

43 66.7 50.6 75.8

87 25.3 21.1 31.7

59 10.7 9.0 13.4

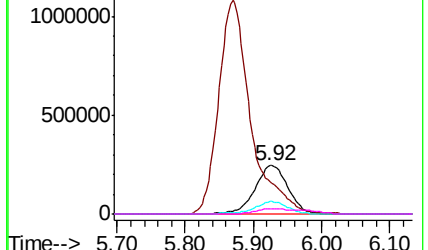
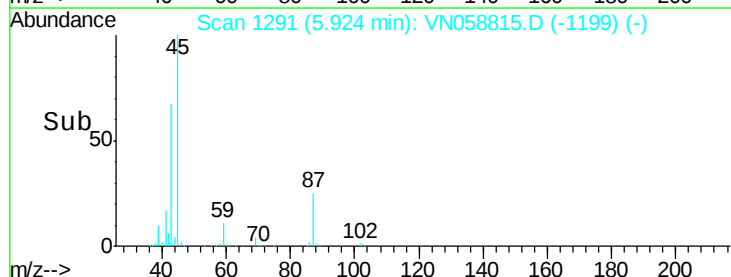


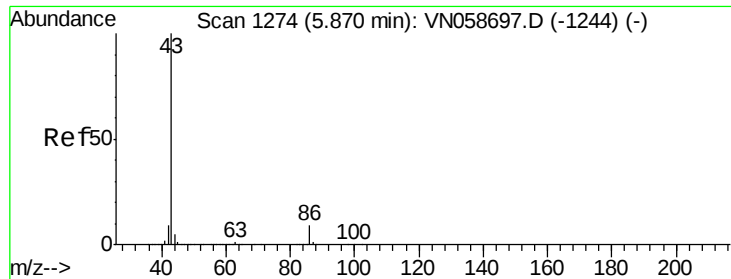
Abundance Ion 45.00 (44.70 to 45.70): VN058815.D (-1199) (-)

Ion 43.00 (42.70 to 43.70): VN058815.D (-1199) (-)

Ion 87.00 (86.70 to 87.70): VN058815.D (-1199) (-)

Ion 59.00 (58.70 to 59.70): VN058815.D (-1199) (-)





#23

Vinyl Acetate

Concen: 292.292 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

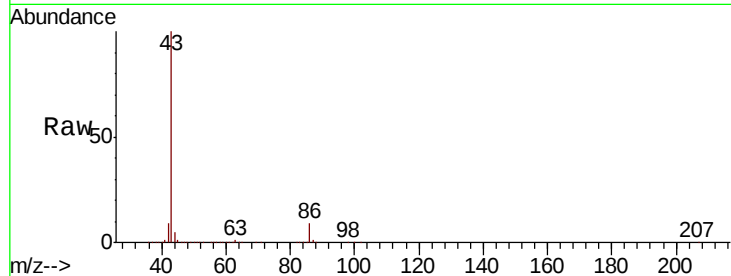
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3539076

Ion Ratio Lower Upper

43 100

86 9.2 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

1200000

1000000

800000

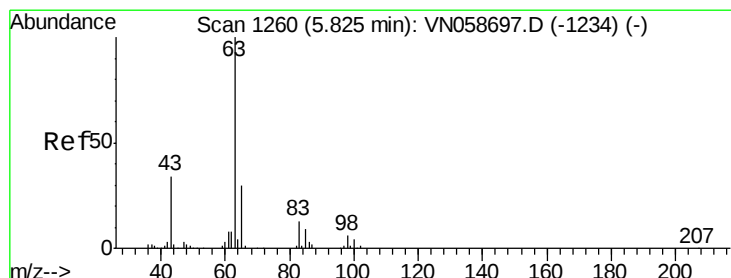
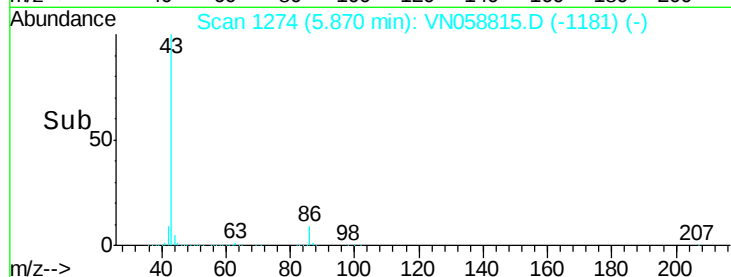
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.402 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

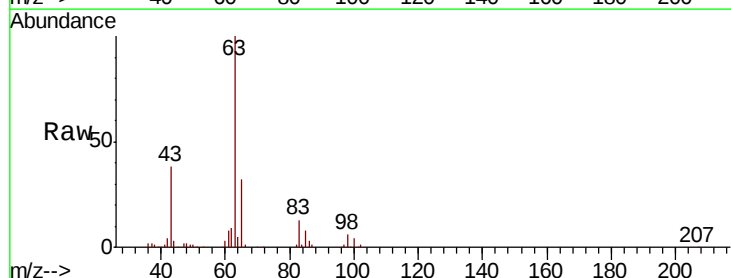
Tgt Ion: 63 Resp: 447833

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

100 4.0 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.82

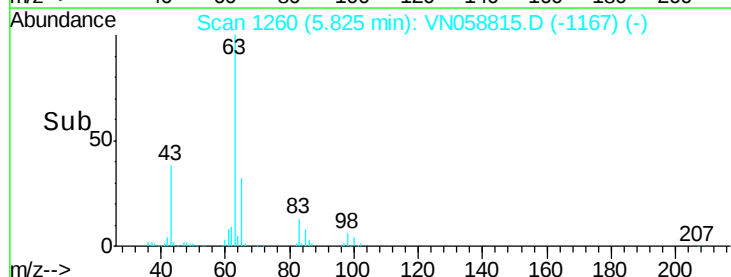
150000

100000

50000

0

Time-->





#25

2-Butanone

Concen: 292.329 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

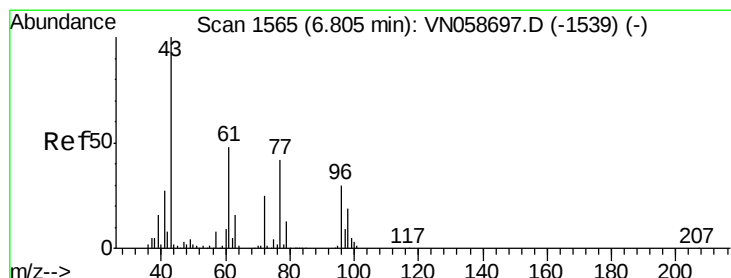
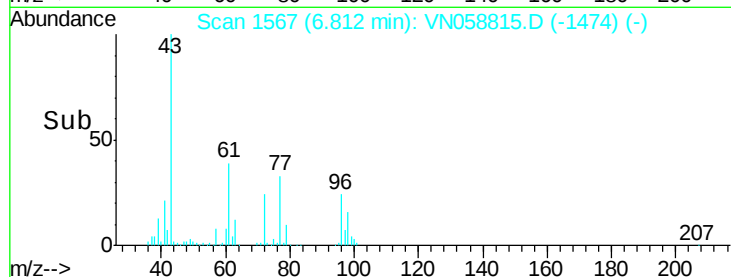
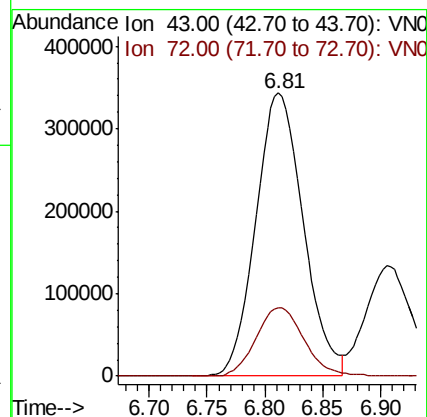
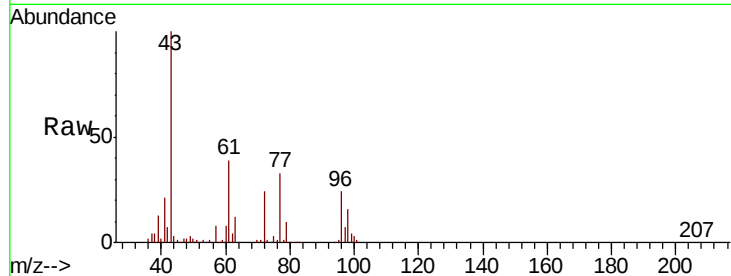
ClientSampleId :

Tot Ion: 43 Resp: 975189

Ion Ratio Lower Upper

43 100

72 24.2 20.2 30.2



#26

2,2-Dichloropropane

Concen: 51.429 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058815.D

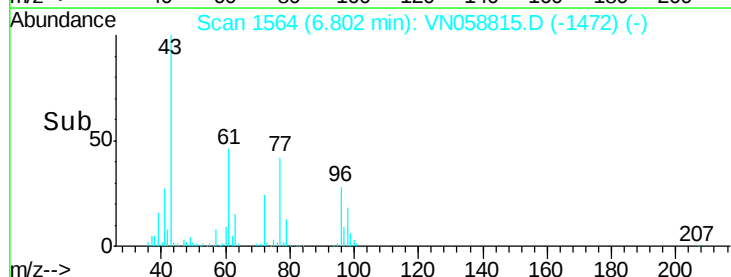
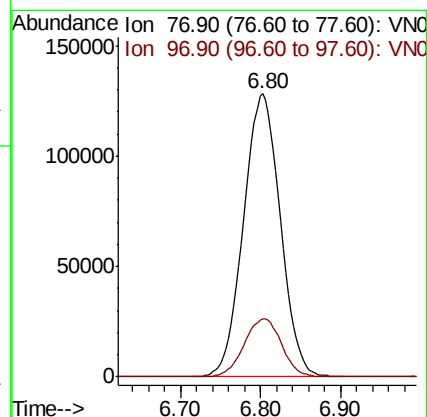
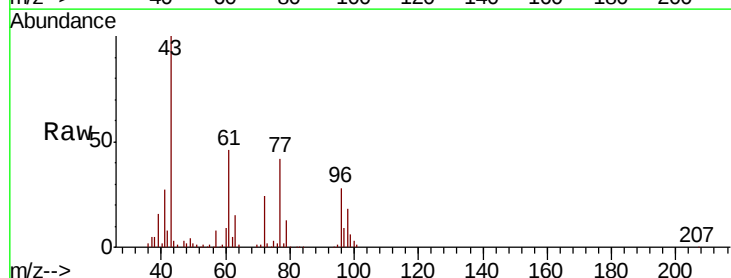
Acq: 17 Oct 2019 10:01

Tgt Ion: 77 Resp: 401213

Ion Ratio Lower Upper

77 100

97 20.8 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 50.265 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :

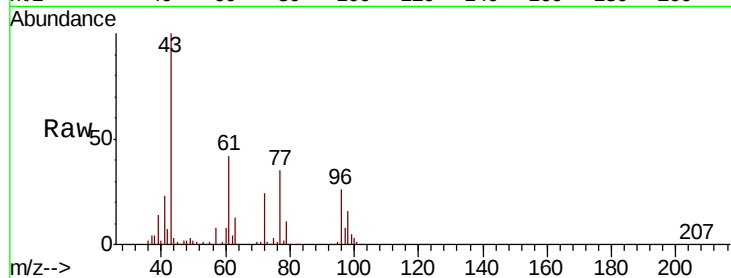
Tot Ion: 96 Resp: 250736

Ion Ratio Lower Upper

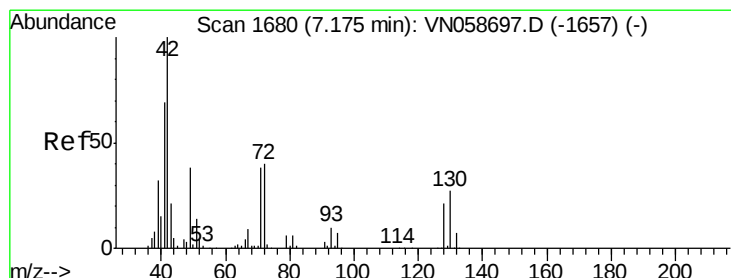
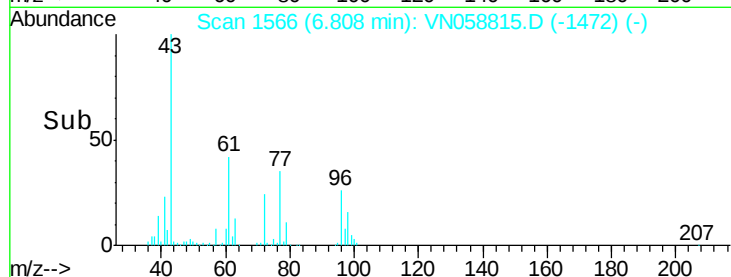
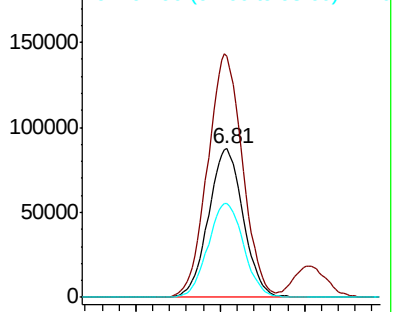
96 100

61 164.3 0.0 324.8

98 64.8 0.0 129.2



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



#28

Bromochloromethane

Concen: 52.883 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

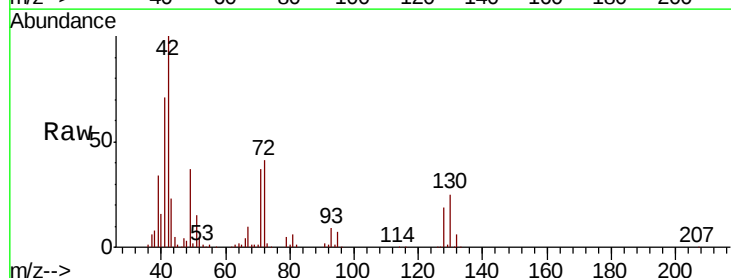
Tgt Ion: 49 Resp: 157229

Ion Ratio Lower Upper

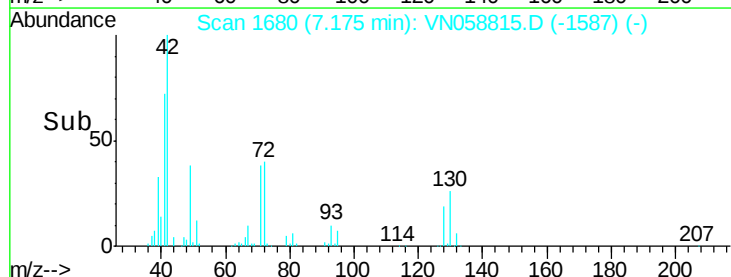
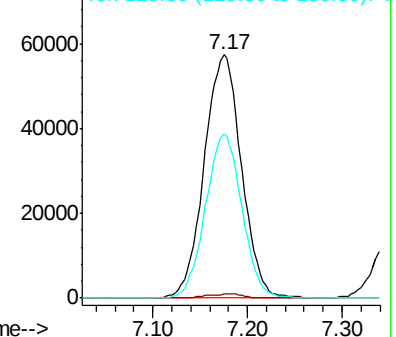
49 100

129 1.7 0.0 3.6

130 65.7 55.0 82.4



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

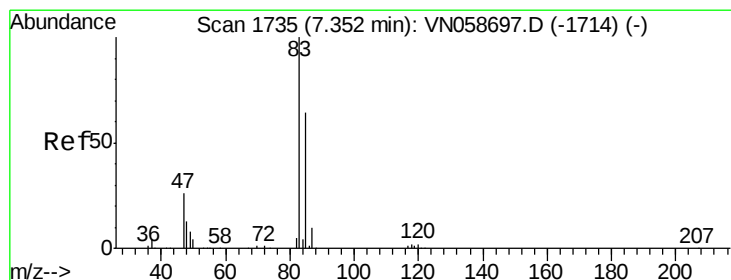
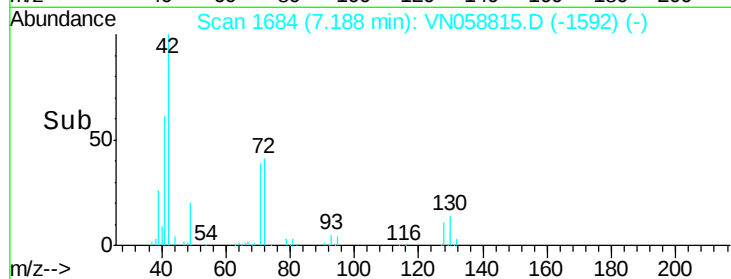
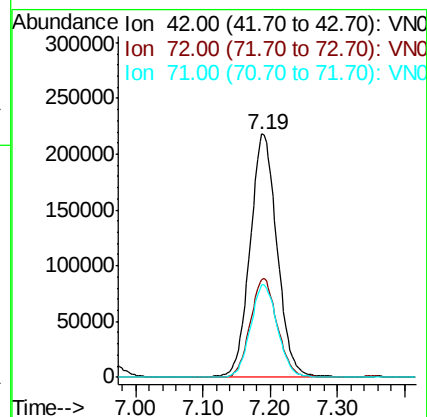
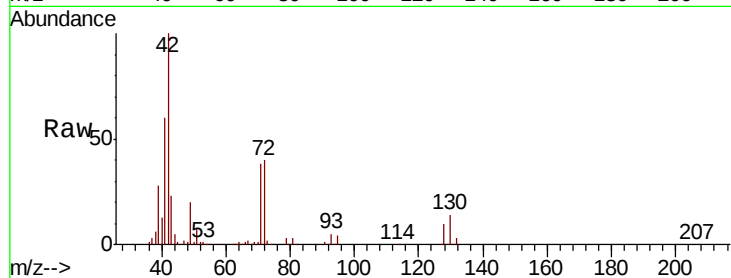




#29
Tetrahydrofuran
Concen: 281.945 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

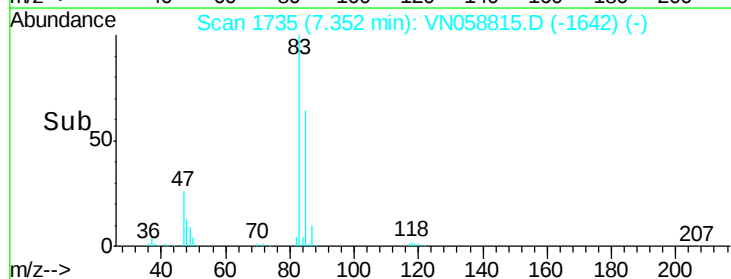
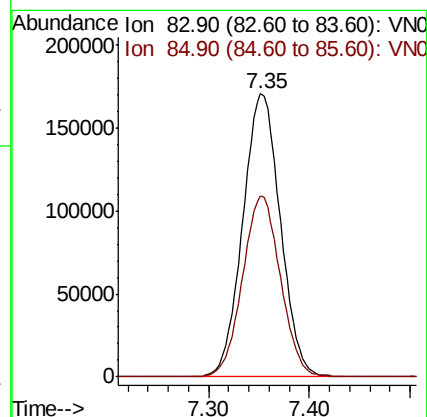
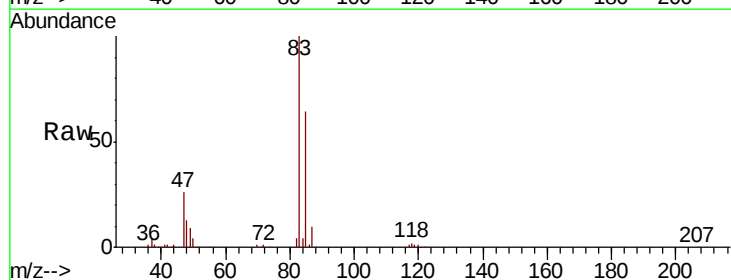
Instrument :
MSVOA_N
ClientSampled :

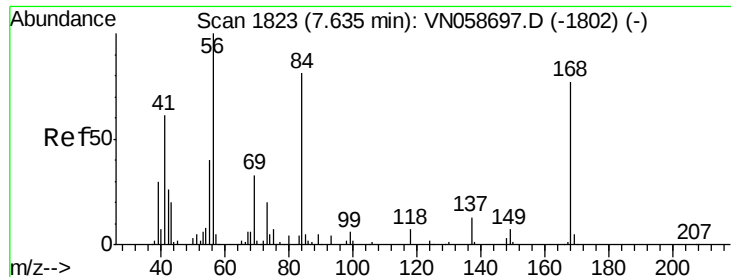
Tot Ion: 42 Resp: 607812
Ion Ratio Lower Upper
42 100
72 40.5 32.8 49.2
71 37.9 31.1 46.7



#30
Chloroform
Concen: 51.323 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion: 83 Resp: 440678
Ion Ratio Lower Upper
83 100
85 64.0 51.0 76.6

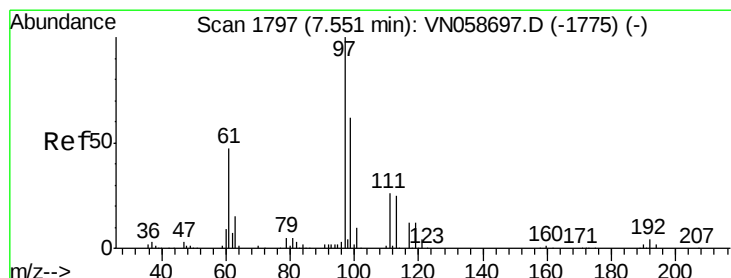
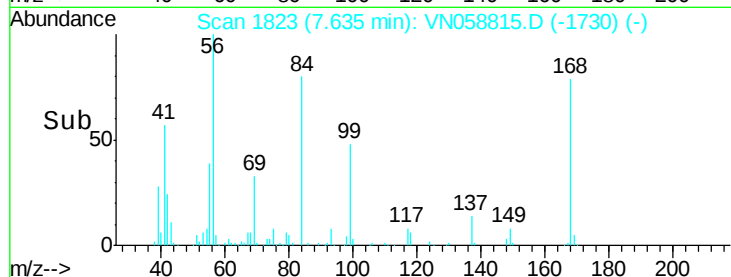
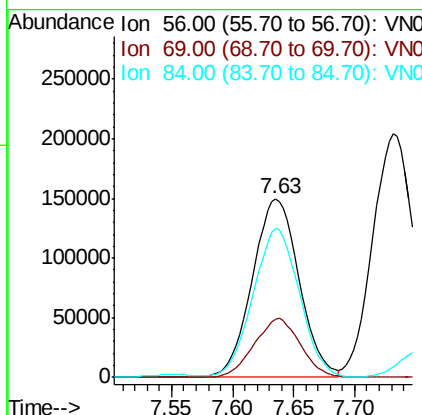
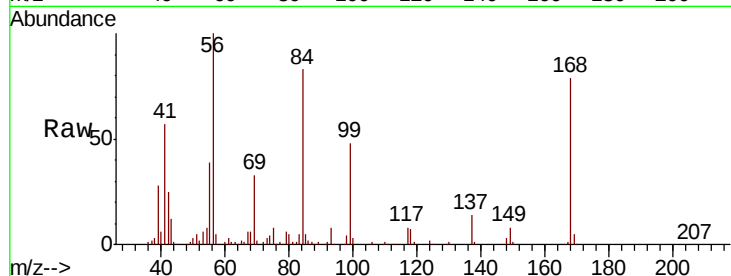




#31
Cyclohexane
Concen: 48.638 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

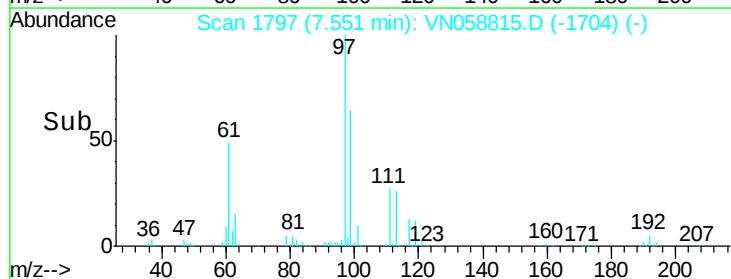
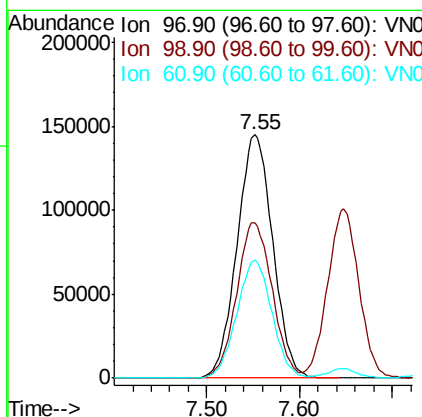
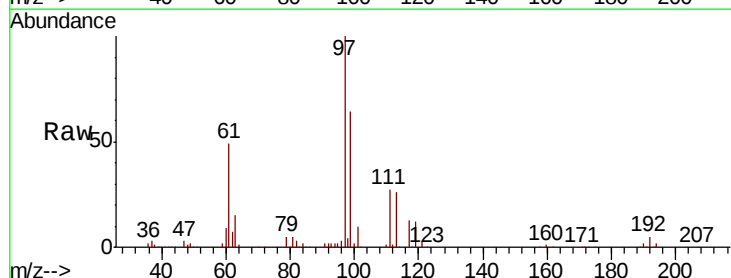
Instrument :
MSVOA_N
ClientSampled :

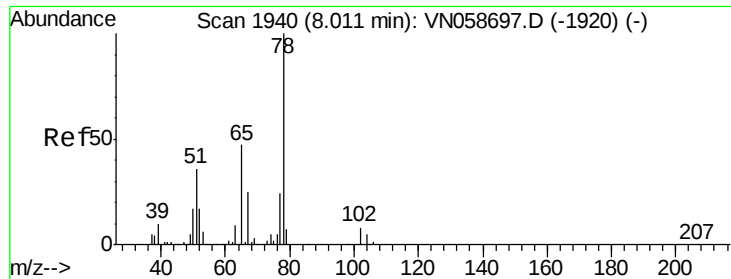
Tot Ion: 56 Resp: 397719
Ion Ratio Lower Upper
56 100
69 32.6 26.2 39.4
84 82.1 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 52.895 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion: 97 Resp: 387332
Ion Ratio Lower Upper
97 100
99 63.8 50.8 76.2
61 47.9 38.1 57.1





#33

1,2-Dichloroethane-d4

Concen: 50.243 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

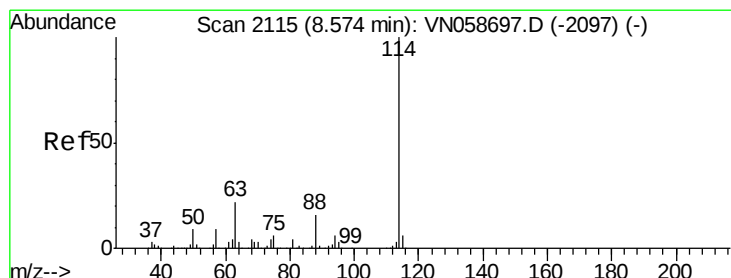
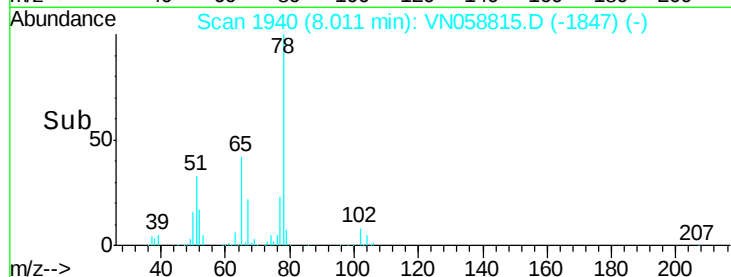
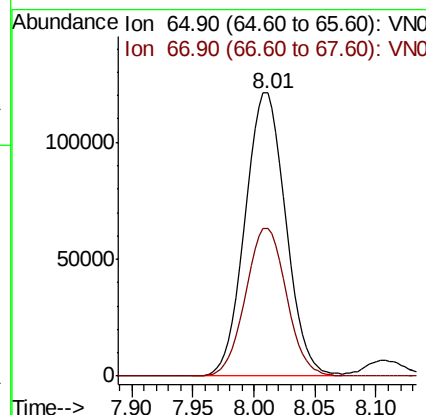
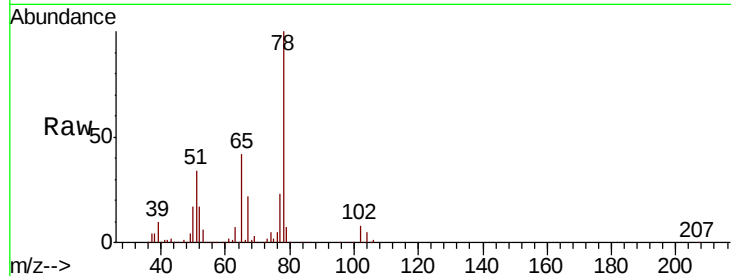
ClientSampled :

Tot Ion: 65 Resp: 280100

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

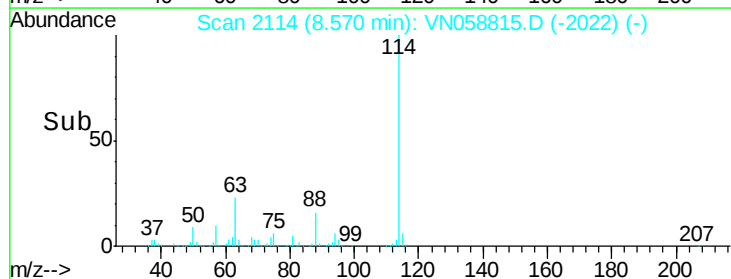
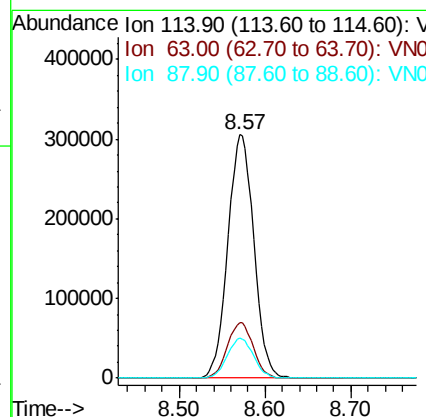
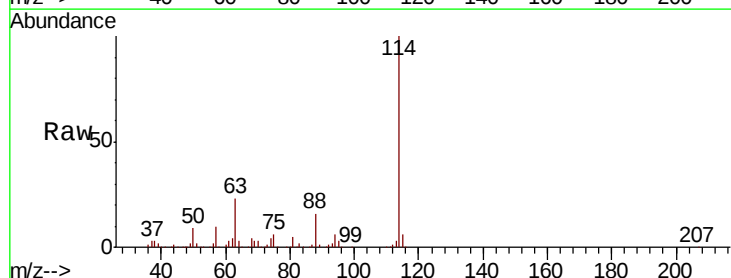
Tgt Ion: 114 Resp: 641105

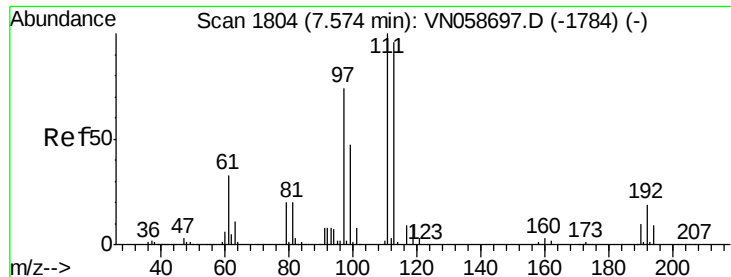
Ion Ratio Lower Upper

114 100

63 22.8 0.0 43.8

88 16.4 0.0 32.0

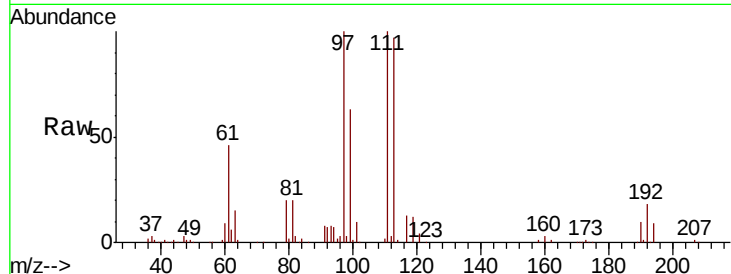




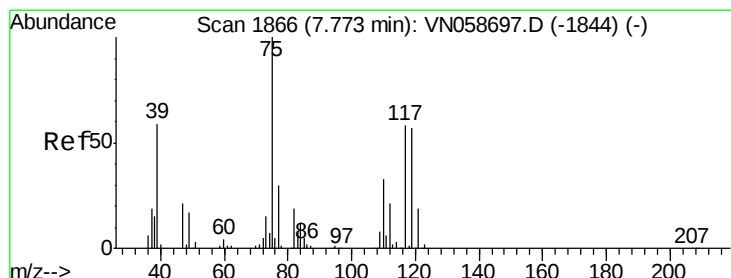
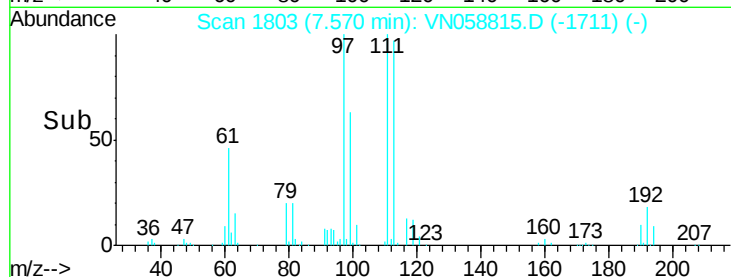
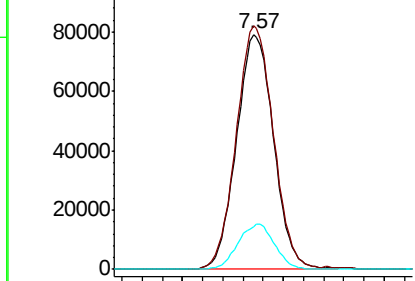
#35
Dibromofluoromethane
Concen: 51.089 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.3	123.5
192	18.8	15.0	22.6

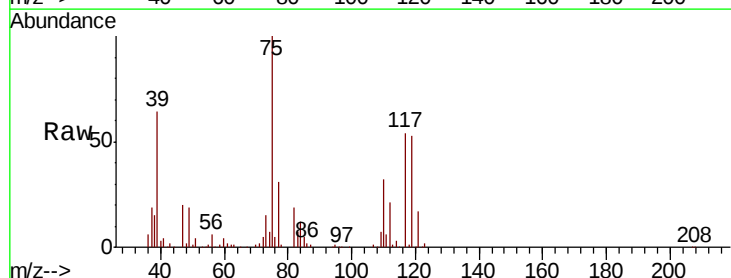


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

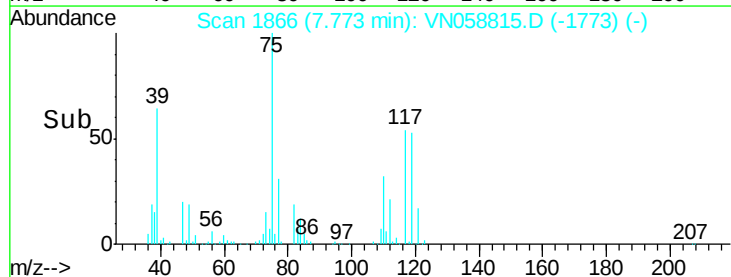
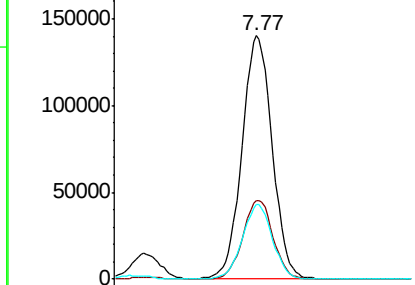


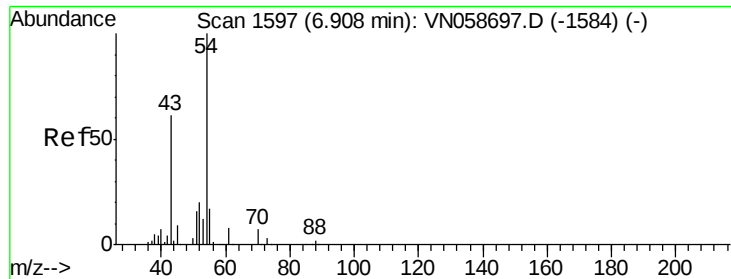
#36
1,1-Dichloropropene
Concen: 51.649 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.6	49.8
77	30.7	24.6	37.0



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

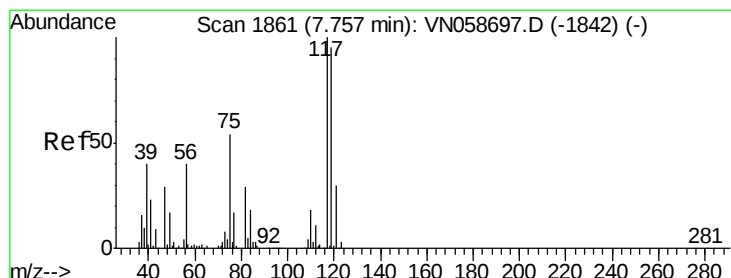
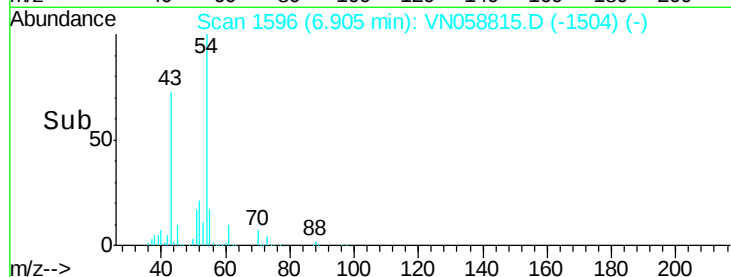
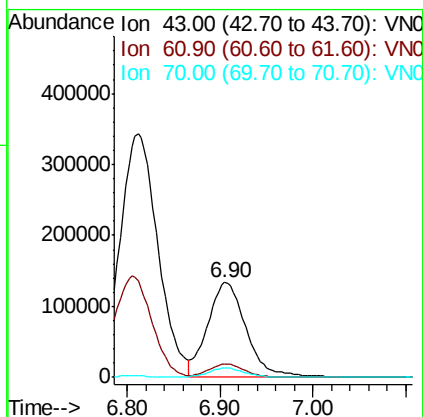
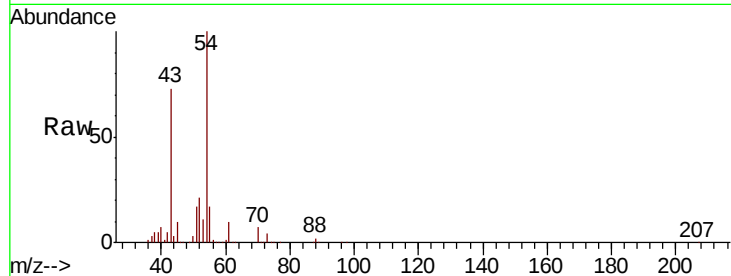




#37
Ethyl Acetate
Concen: 57.988 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

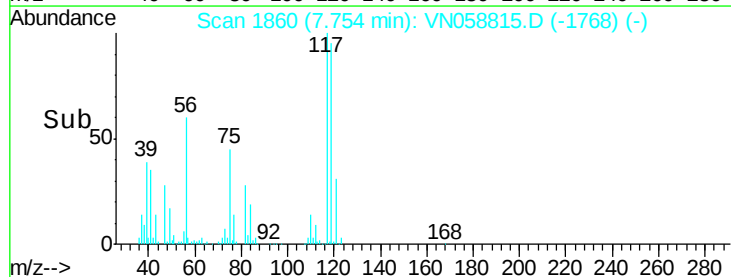
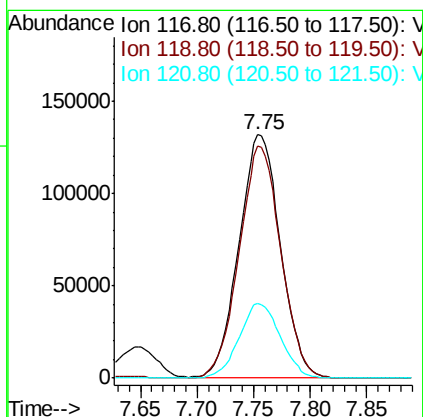
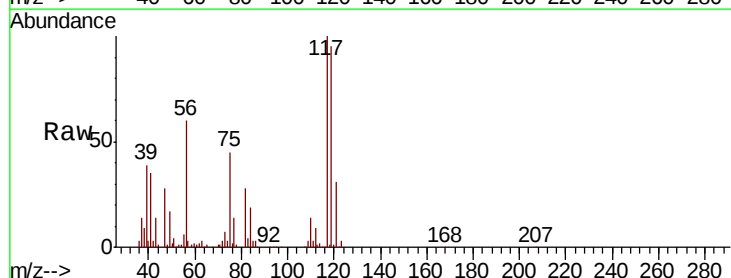
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 380139
Ion Ratio Lower Upper
43 100
61 13.1 11.3 16.9
70 9.4 7.2 10.8



#38
Carbon Tetrachloride
Concen: 52.994 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion: 117 Resp: 334787
Ion Ratio Lower Upper
117 100
119 95.2 75.7 113.5
121 30.8 23.9 35.9

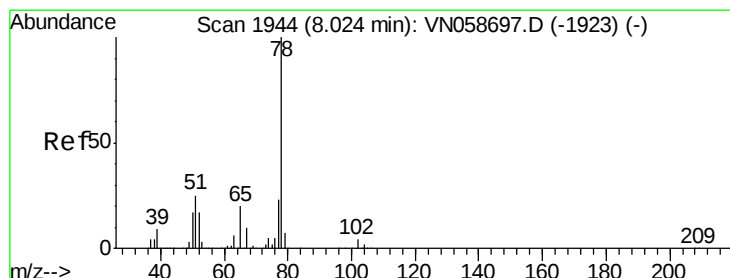
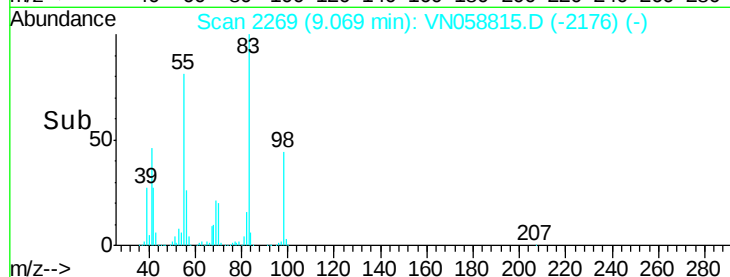
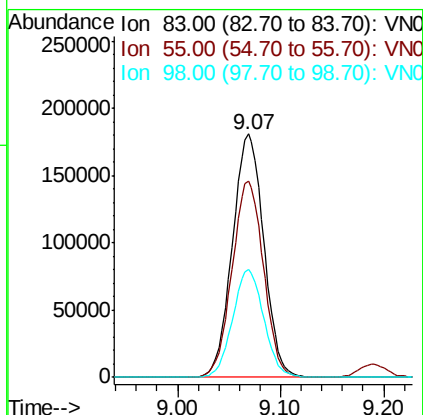
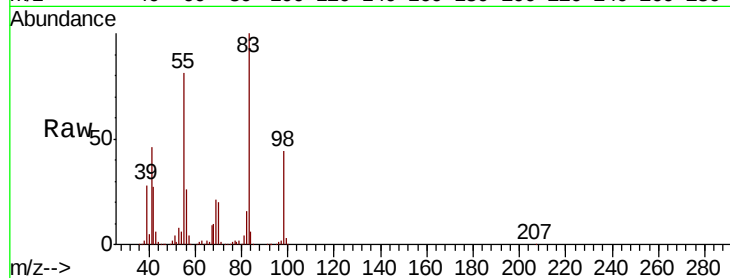




#39
Methvlcvclohexane
Concen: 50.950 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

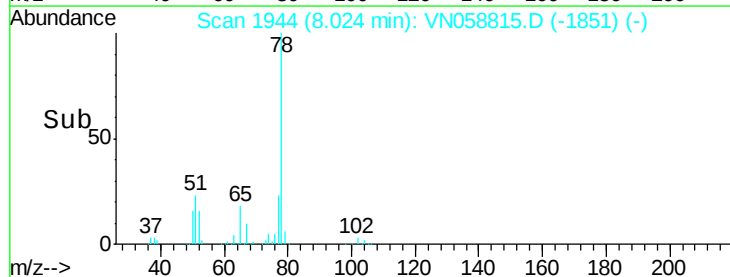
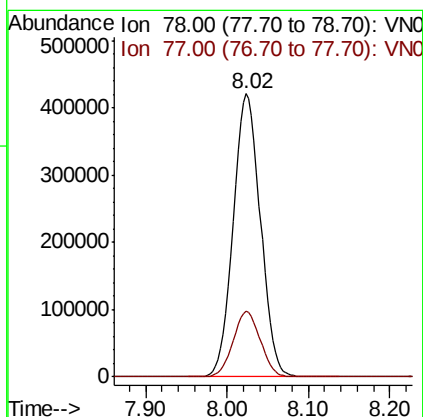
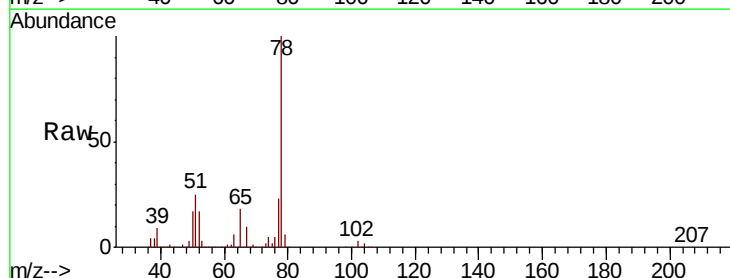
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 383228
Ion Ratio Lower Upper
83 100
55 80.8 63.4 95.0
98 44.3 35.1 52.7



#40
Benzene
Concen: 52.521 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion: 78 Resp: 977747
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2

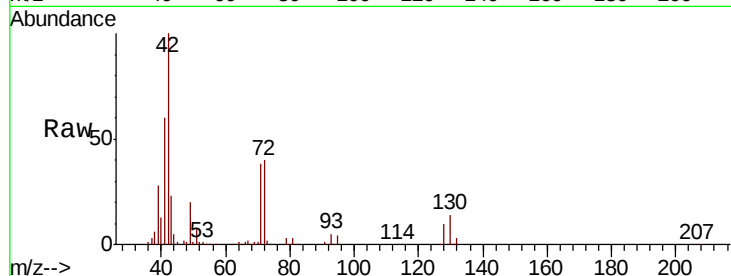




#41
Methacrylonitrile
Concen: 179.763 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



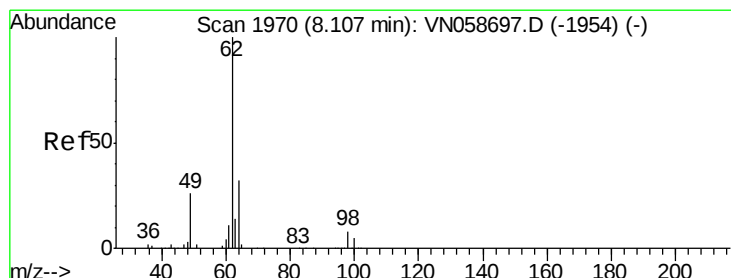
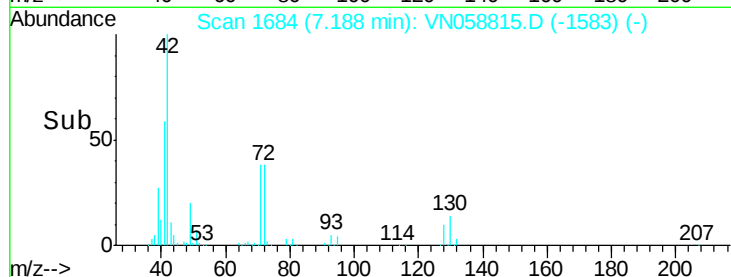
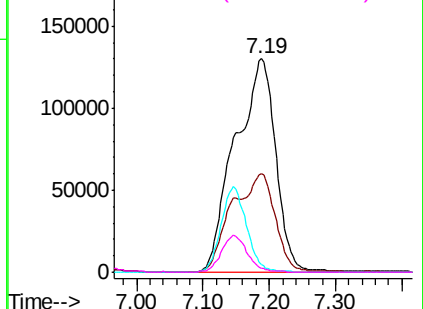
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

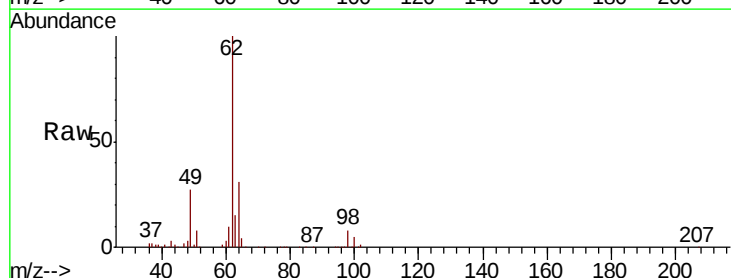
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42
1,2-Dichloroethane
Concen: 52.924 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

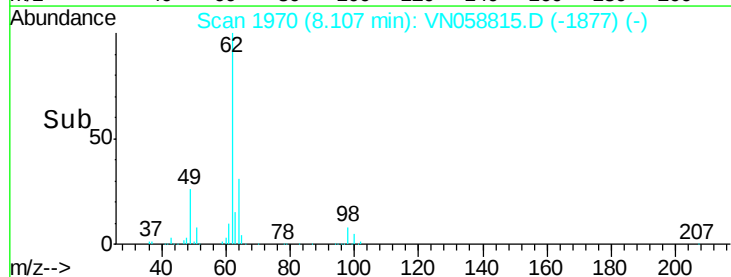
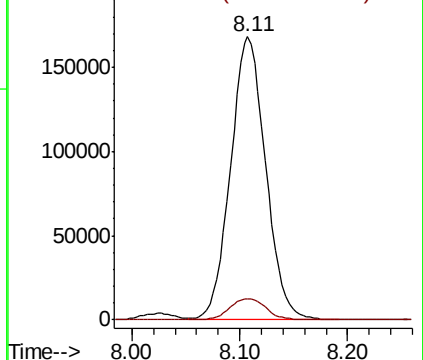
Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.8



Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



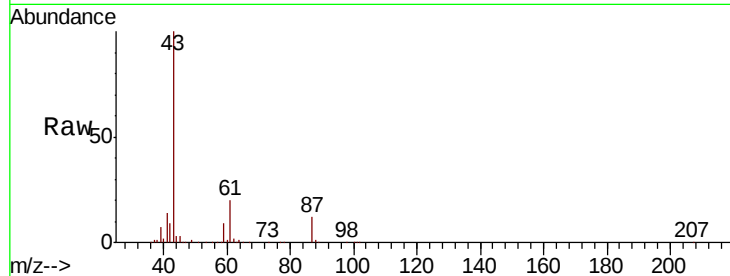


#43

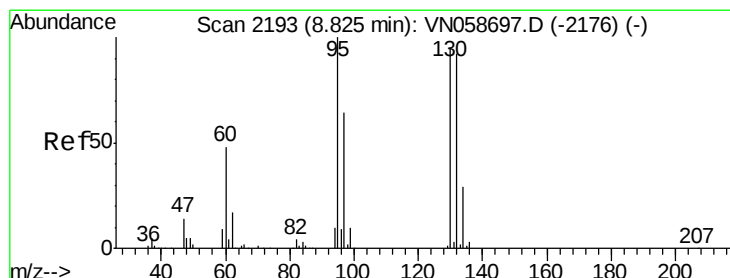
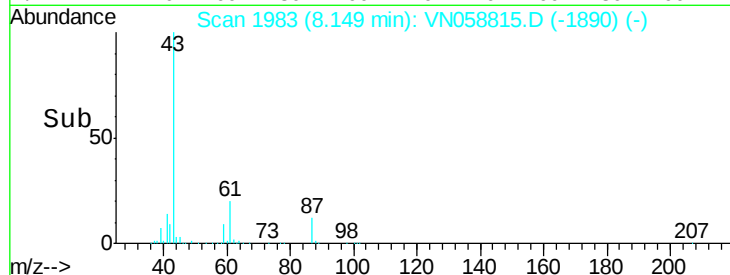
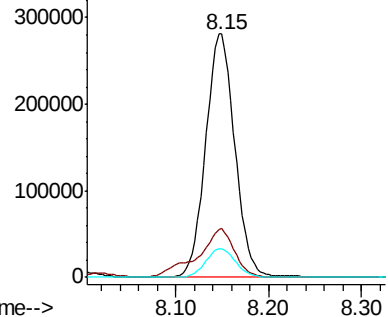
Isopropyl Acetate
 Concen: 54.643 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	43	Resp	610227
Ion Ratio	Lower	Upper	
43	100		
61	25.5	20.3	30.5
87	12.0	9.8	14.6



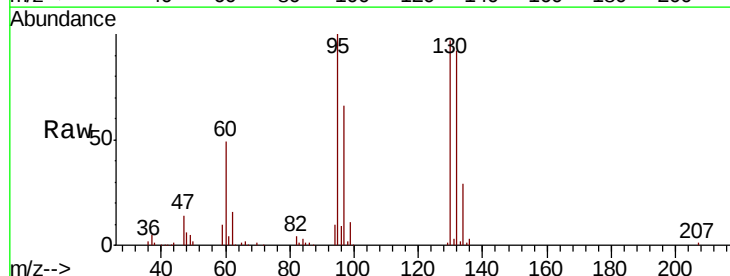
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



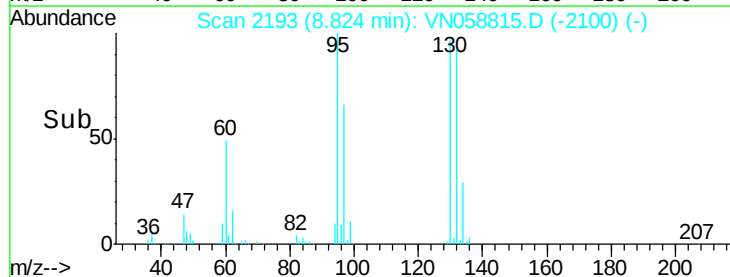
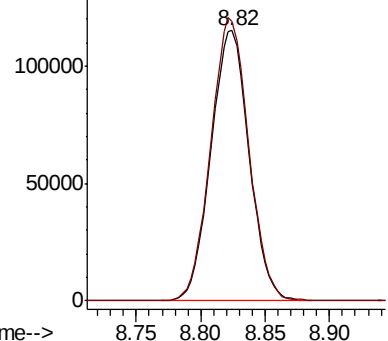
#44

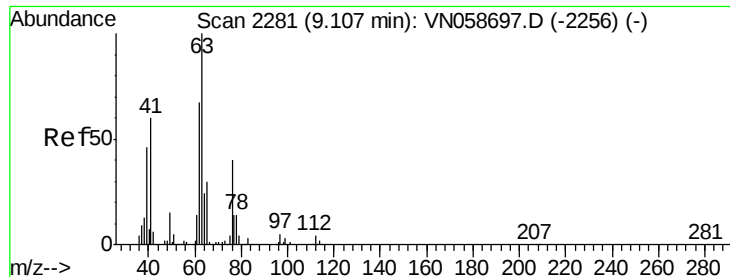
Trichloroethene
 Concen: 51.425 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Tgt Ion	130	Resp	237739
Ion Ratio	Lower	Upper	
130	100		
95	103.3	0.0	211.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 53.997 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

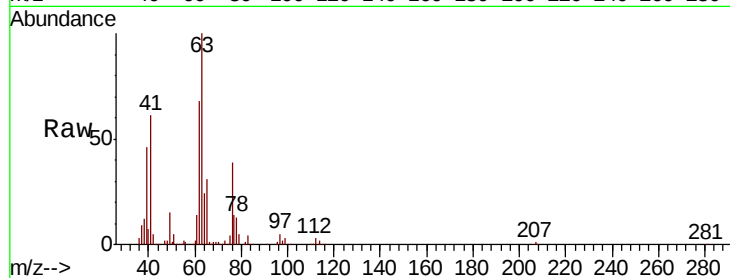
ClientSampleId :

Tot Ion: 63 Resp: 269098

Ion Ratio Lower Upper

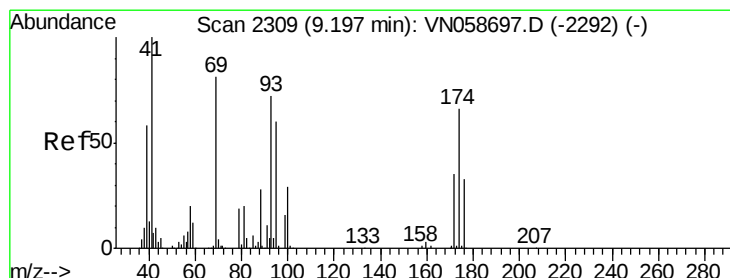
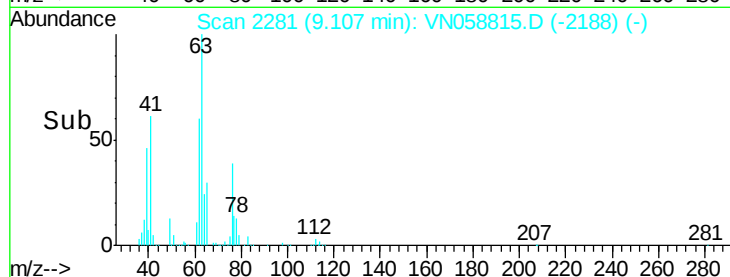
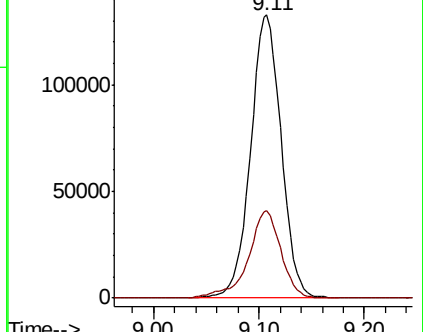
63 100

65 30.7 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VN058815.D (-2188) (-)

Ion 64.90 (64.60 to 65.60): VN058815.D (-2188) (-)



#46

Dibromomethane

Concen: 53.127 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

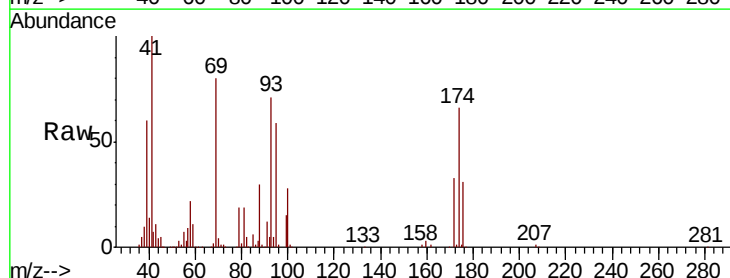
Tgt Ion: 93 Resp: 167864

Ion Ratio Lower Upper

93 100

95 84.0 66.6 100.0

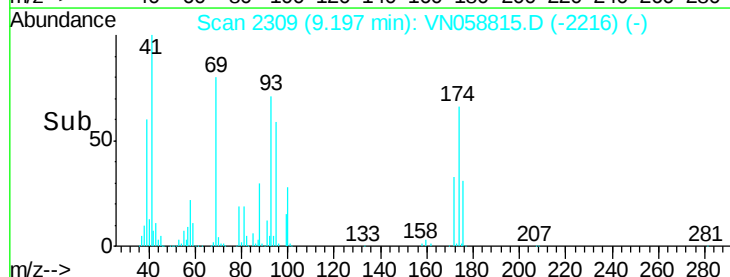
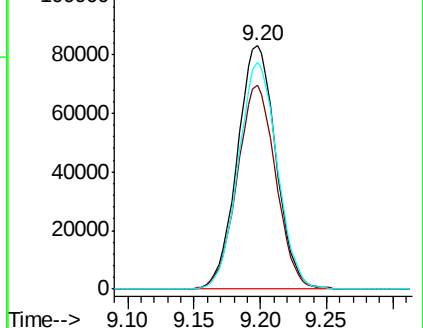
174 93.9 75.2 112.8

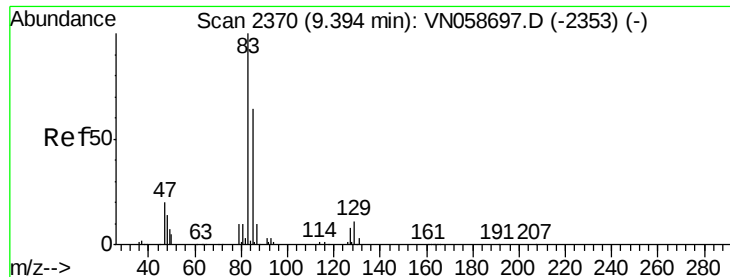


Abundance Ion 92.80 (92.50 to 93.50): VN058815.D (-2216) (-)

Ion 94.80 (94.50 to 95.50): VN058815.D (-2216) (-)

Ion 173.70 (173.40 to 174.40): VN058815.D (-2216) (-)





#47

Bromodichloromethane

Concen: 55.152 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :

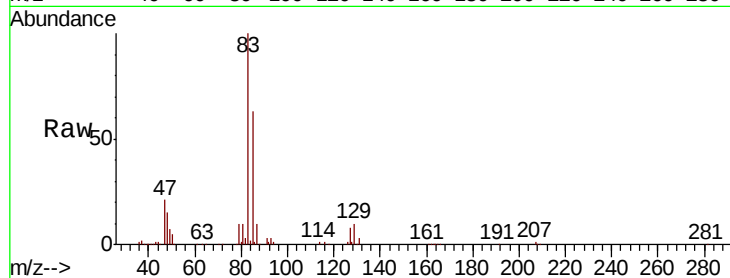
Tot Ion: 83 Resp: 354856

Ion Ratio Lower Upper

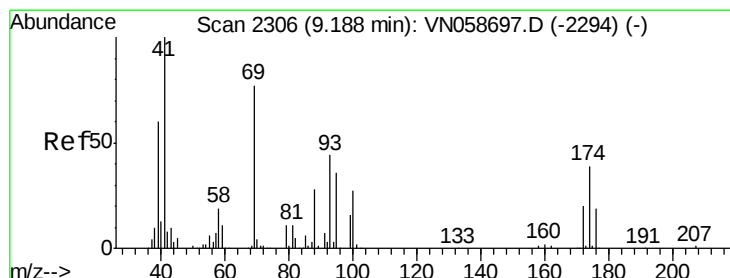
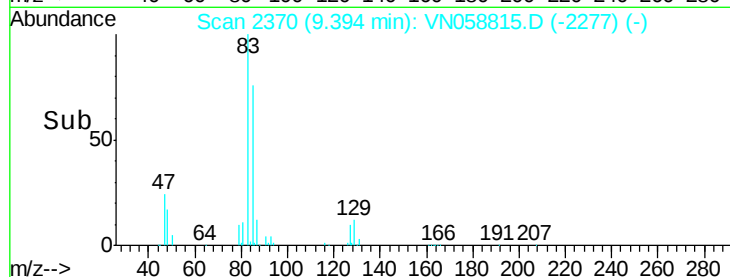
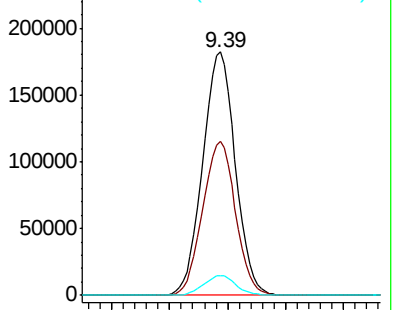
83 100

85 63.0 50.9 76.3

127 8.2 6.3 9.5



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



#48

Methyl methacrylate

Concen: 55.984 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

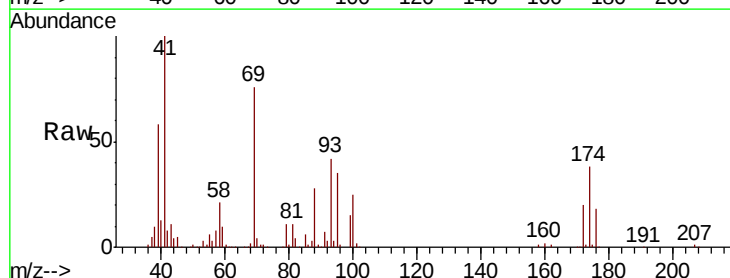
Tgt Ion: 41 Resp: 283399

Ion Ratio Lower Upper

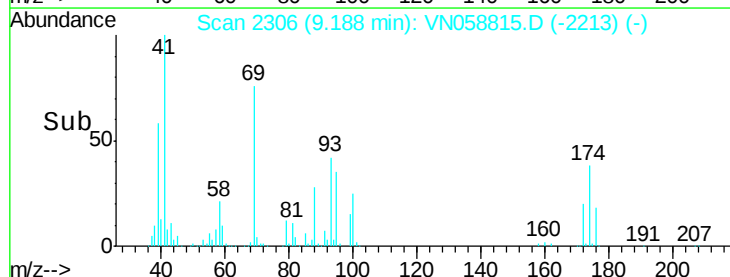
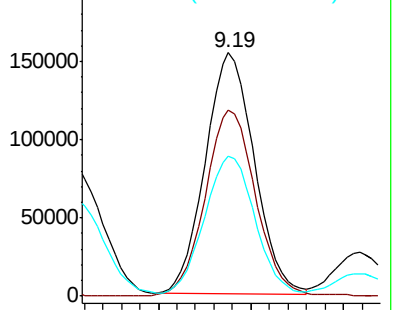
41 100

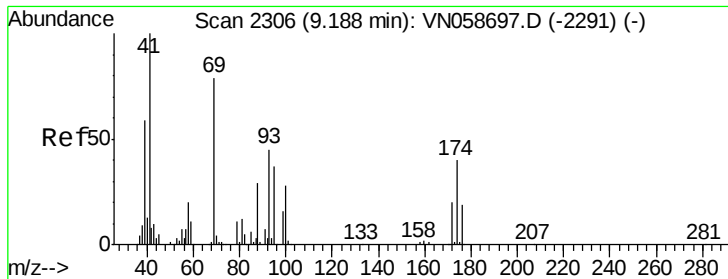
69 79.7 63.4 95.2

39 60.7 48.9 73.3



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

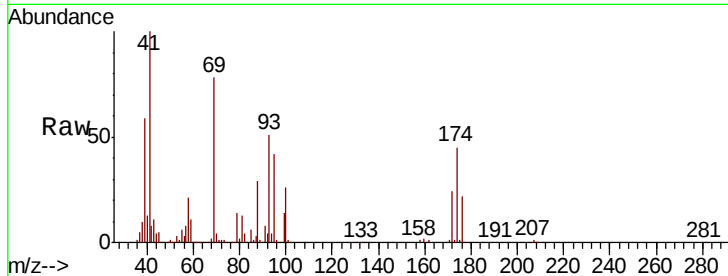




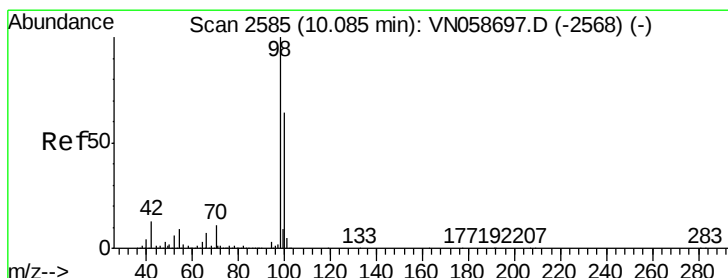
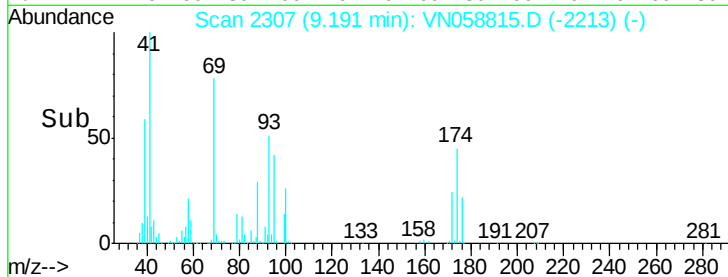
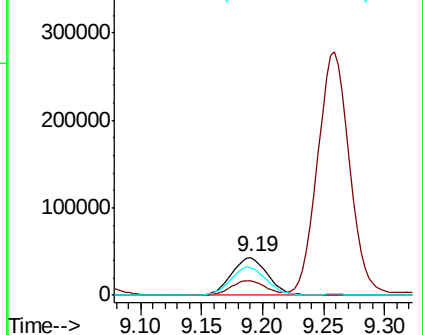
#49
 1,4-Dioxane
 Concen: 1123.438 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 87981
 Ion Ratio Lower Upper
 88 100
 43 39.3 28.6 43.0
 58 74.8 57.2 85.8

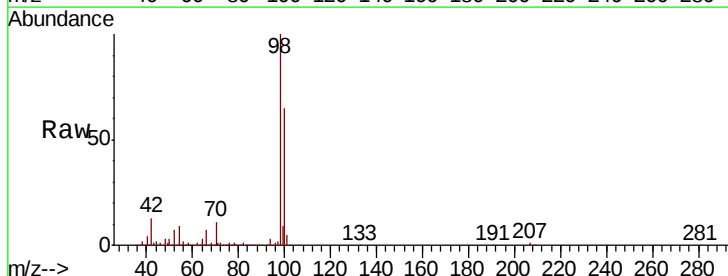


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

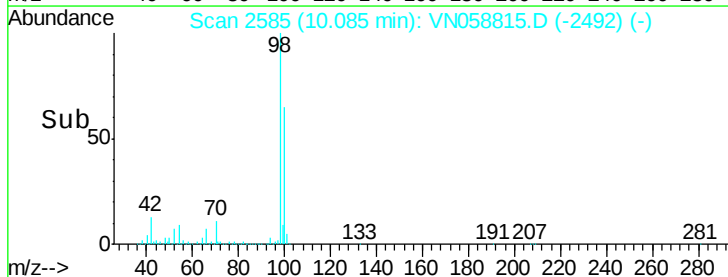
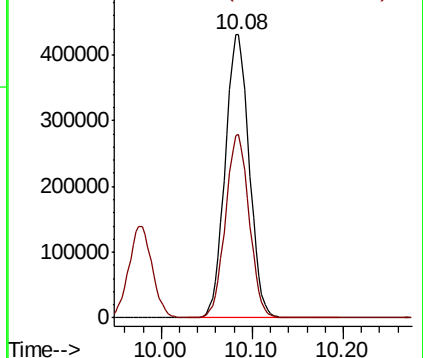


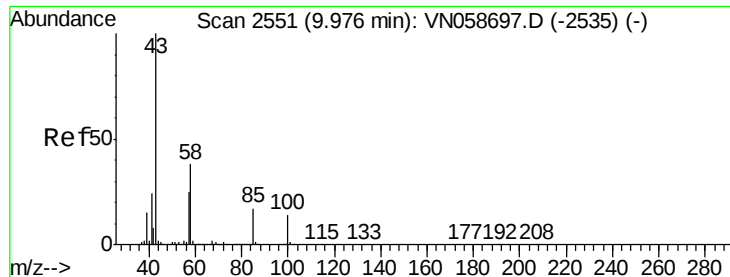
#50
 Toluene-d8
 Concen: 50.037 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Tgt Ion: 98 Resp: 792348
 Ion Ratio Lower Upper
 98 100
 100 63.7 51.1 76.7



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





#51

4-Methyl-2-Pentanone

Concen: 305.848 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

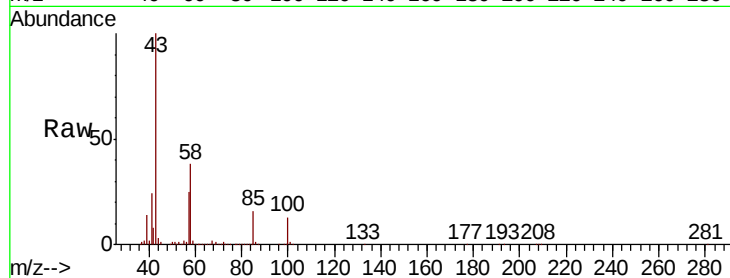
ClientSampled :

Tot Ion: 43 Resp: 1918231

Ion Ratio Lower Upper

43 100

58 37.6 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-2535) (-)

1200000

1000000

800000

600000

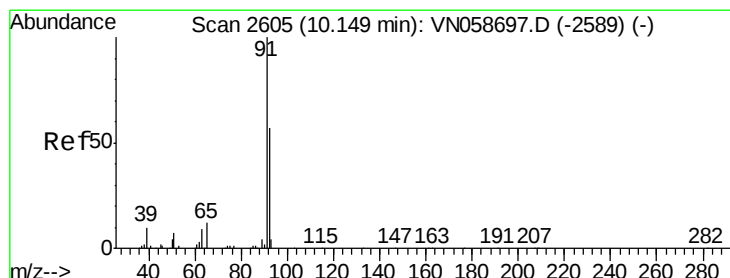
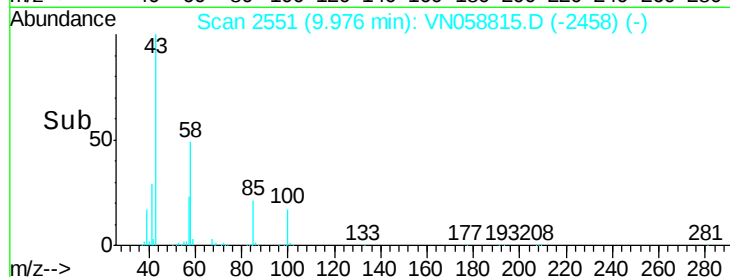
400000

200000

0

9.90 9.98 10.00

Time-->



#52

Toluene

Concen: 52.236 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058815.D

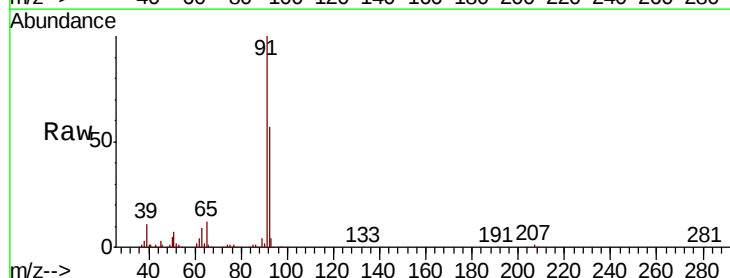
Acq: 17 Oct 2019 10:01

Tgt Ion: 92 Resp: 594760

Ion Ratio Lower Upper

92 100

91 176.3 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN058697.D (-2589) (-)

600000

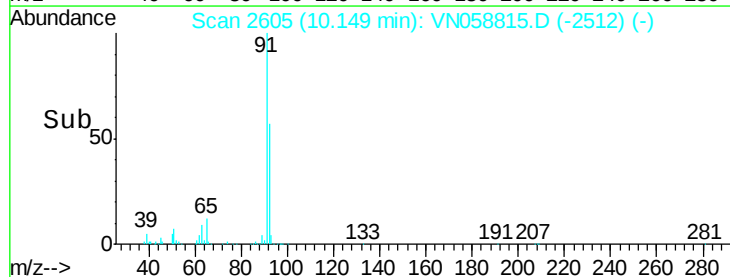
400000

200000

0

10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 55.136 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

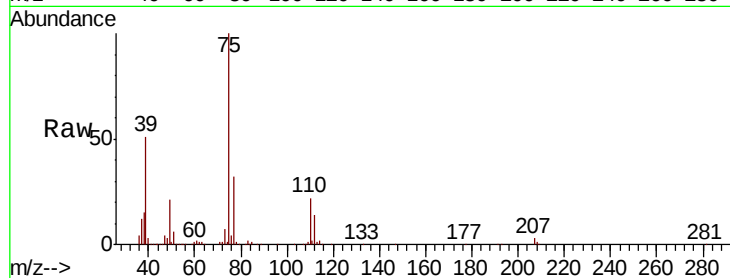
ClientSampleId :

Tot Ion: 75 Resp: 406884

Ion Ratio Lower Upper

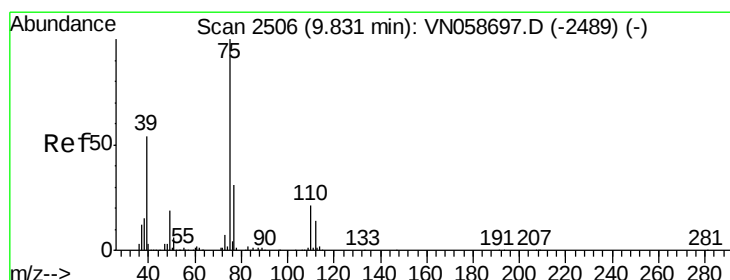
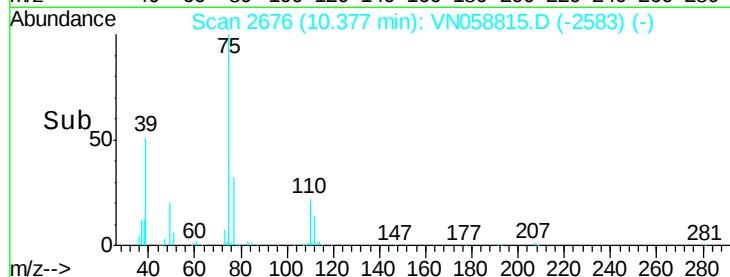
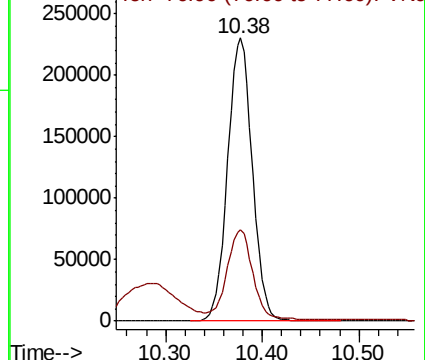
75 100

77 31.7 26.2 39.4



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: 54.773 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

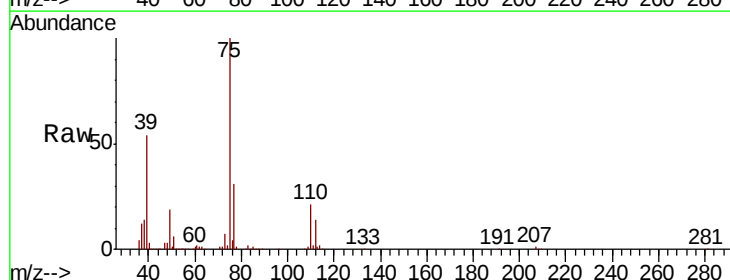
Tgt Ion: 75 Resp: 429157

Ion Ratio Lower Upper

75 100

77 31.3 24.4 36.6

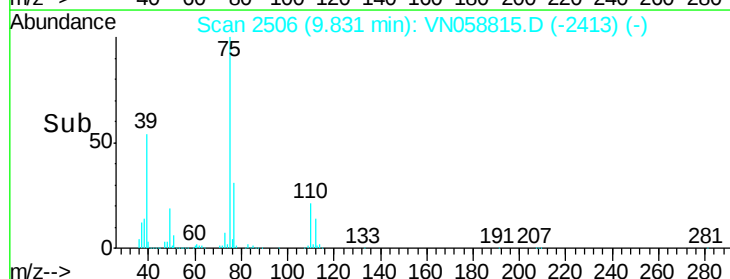
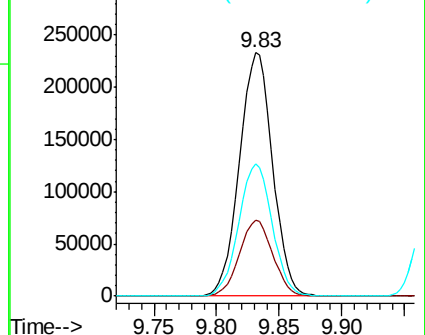
39 54.1 43.1 64.7

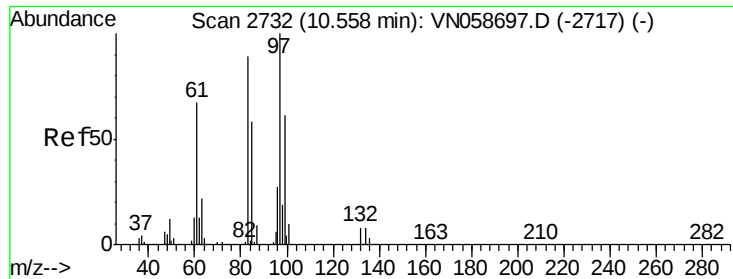


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 50.799 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 236735

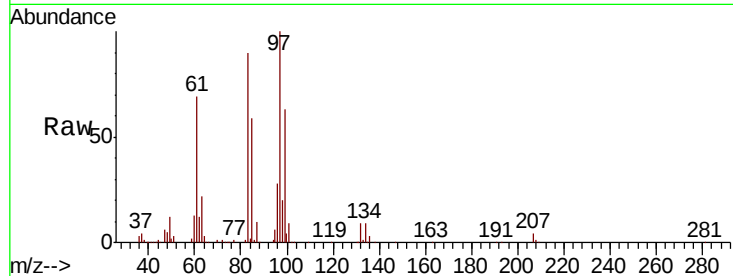
Ion Ratio Lower Upper

97 100

83 90.4 71.2 106.8

85 58.8 46.7 70.1

99 62.8 49.0 73.6

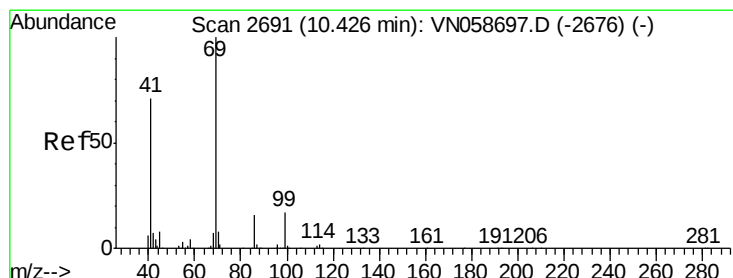
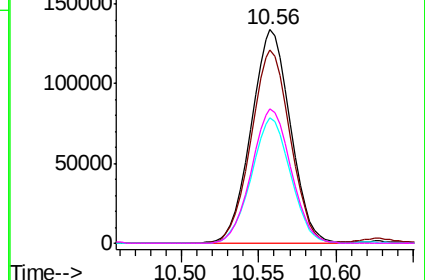
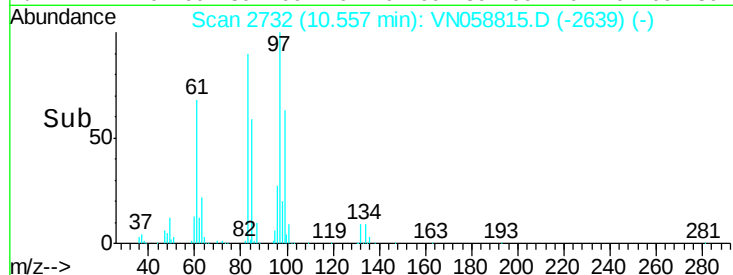


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 57.855 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

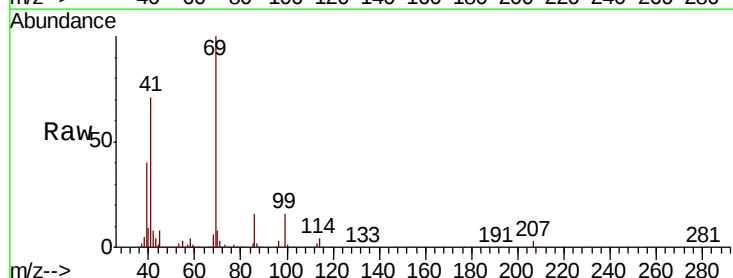
Tgt Ion: 69 Resp: 393895

Ion Ratio Lower Upper

69 100

41 70.4 56.8 85.2

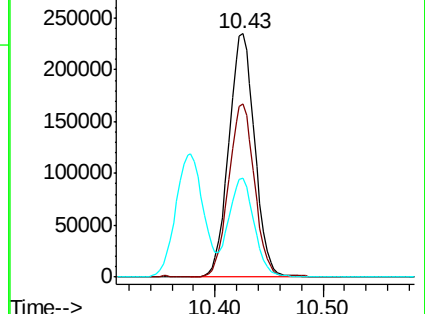
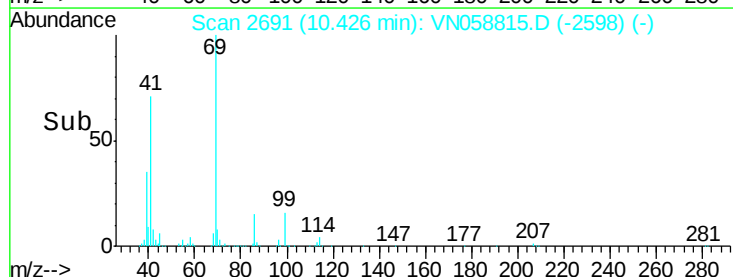
39 38.9 32.5 48.7

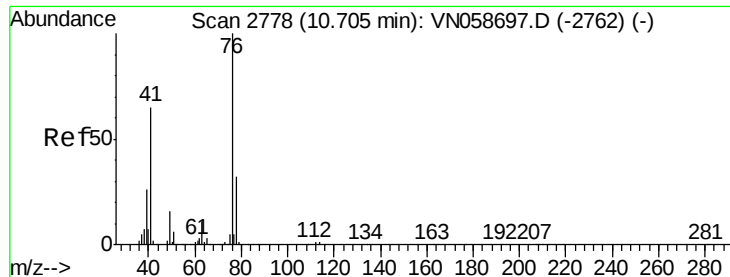


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 53.789 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

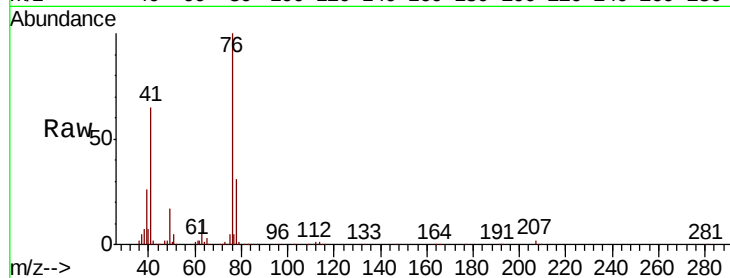
ClientSampleId :

Tot Ion: 76 Resp: 427158

Ion Ratio Lower Upper

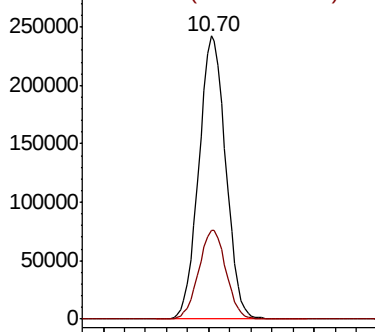
76 100

78 32.0 25.9 38.9

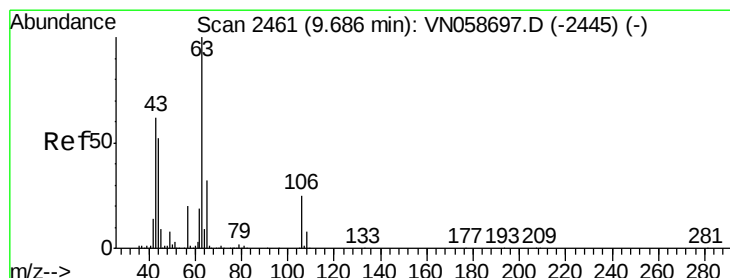
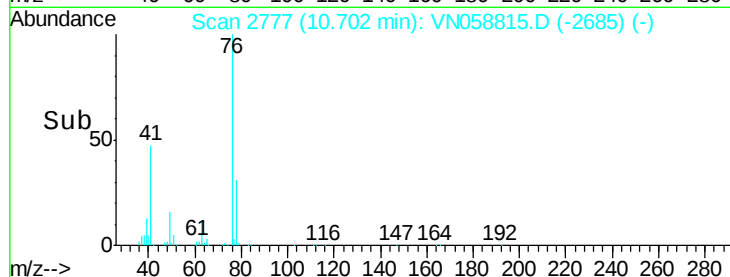


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 274.947 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058815.D

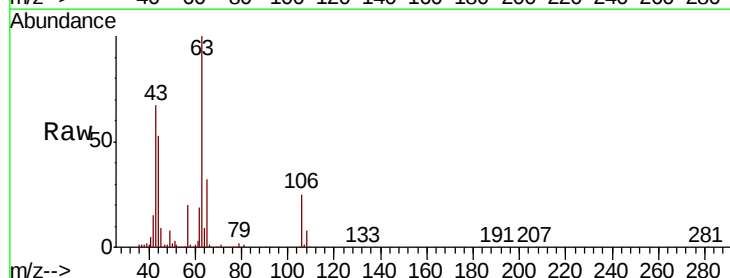
Acq: 17 Oct 2019 10:01

Tgt Ion: 63 Resp: 902117

Ion Ratio Lower Upper

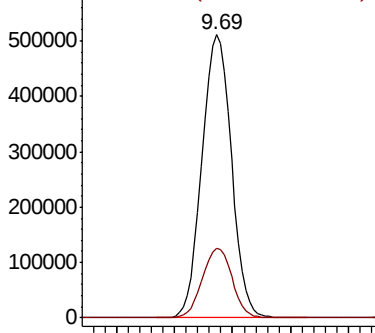
63 100

106 24.9 20.0 30.0

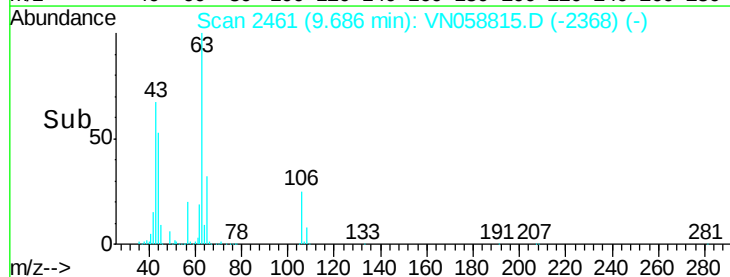


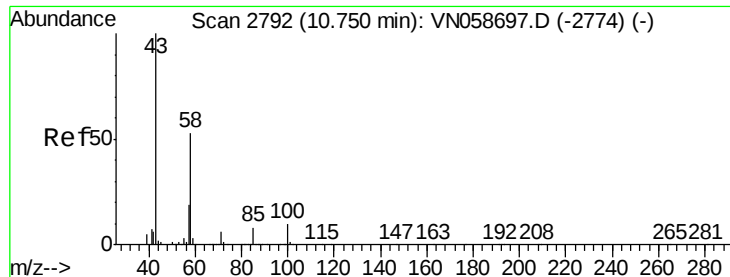
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time-->

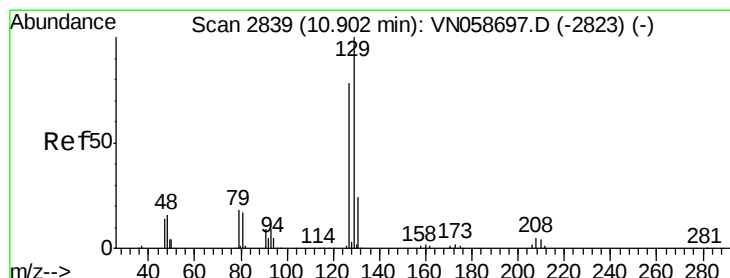
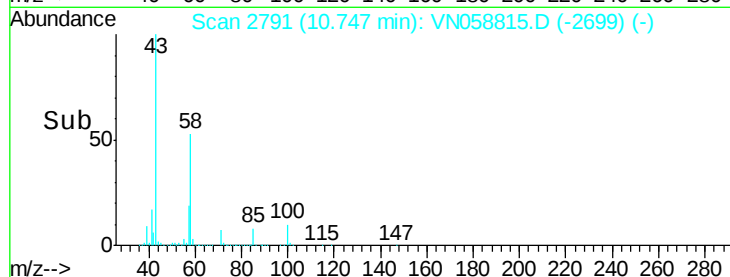
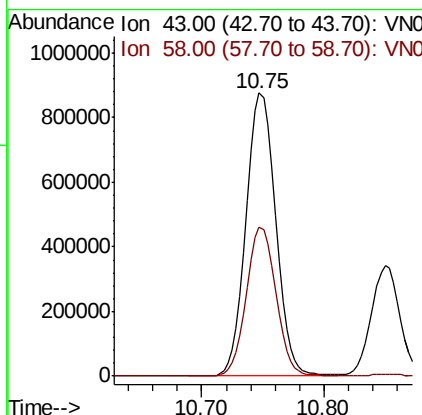
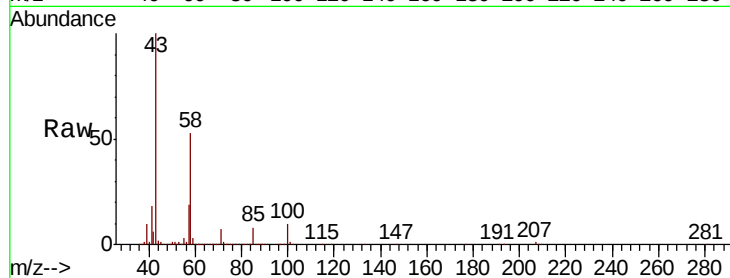




#59
2-Hexanone
Concen: 303.654 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

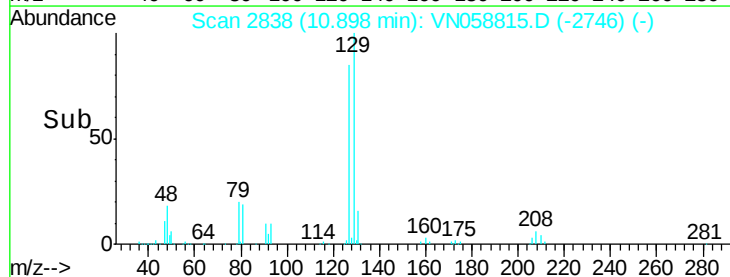
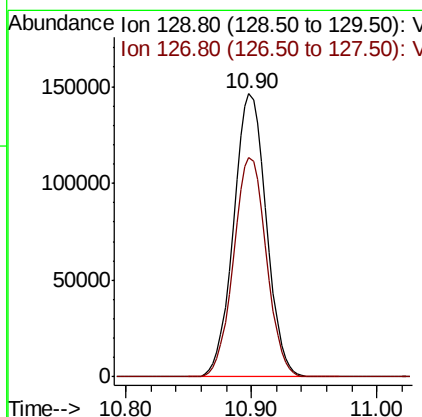
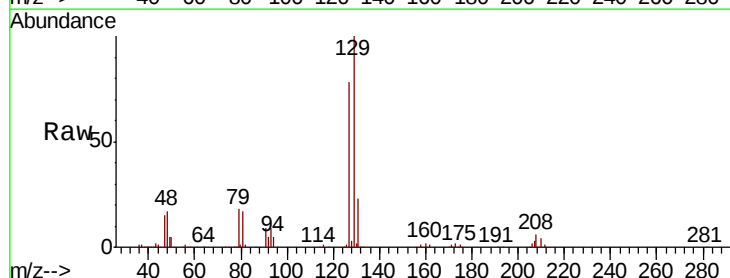
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1471780
Ion Ratio Lower Upper
43 100
58 52.5 26.1 78.3



#60
Dibromochloromethane
Concen: 55.238 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion: 129 Resp: 265552
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.3

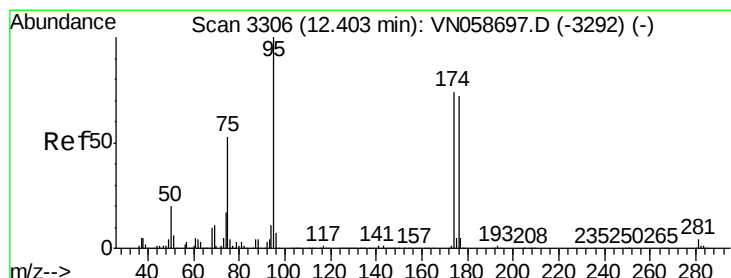
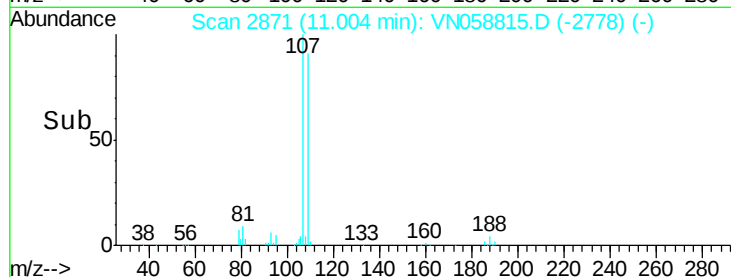
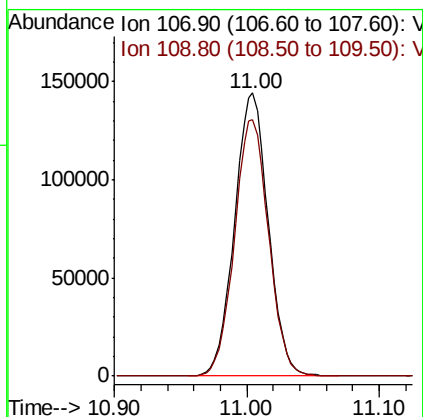
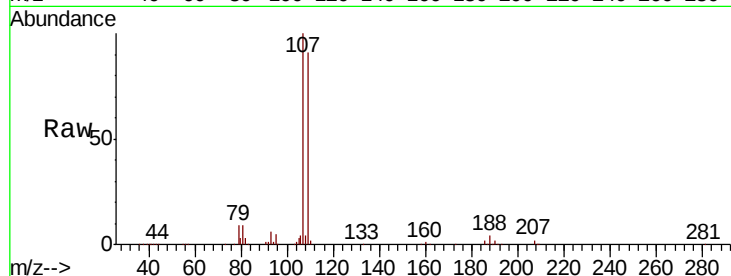




#61
1,2-Dibromoethane
Concen: 54.386 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

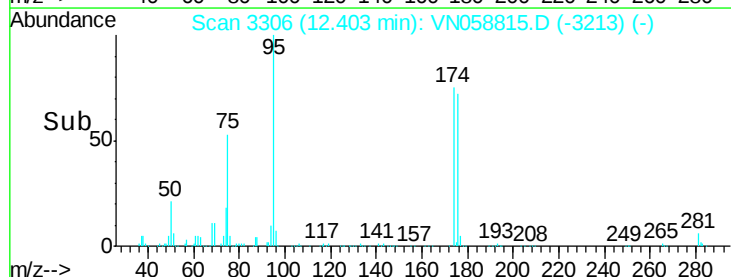
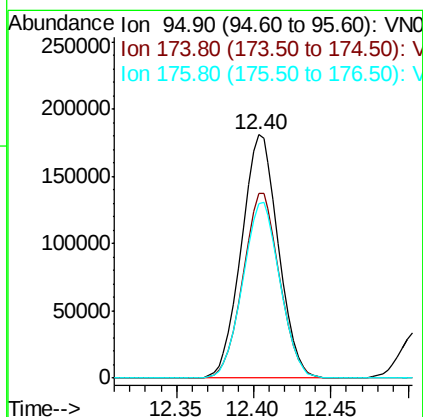
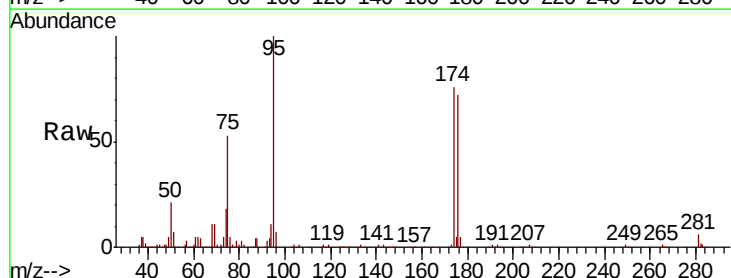
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 107 Resp: 253917
Ion Ratio Lower Upper
107 100
109 91.9 75.4 113.0



#62
4-Bromofluorobenzene
Concen: 50.198 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion: 95 Resp: 300892
Ion Ratio Lower Upper
95 100
174 75.3 0.0 150.4
176 72.7 0.0 146.8

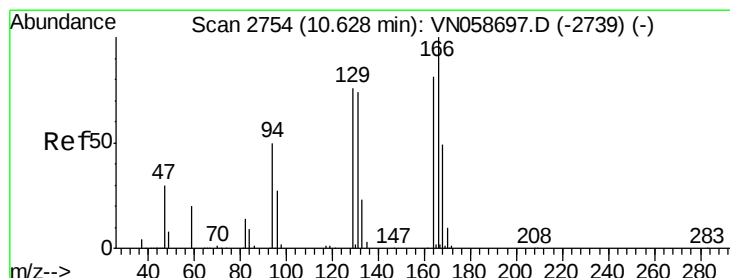
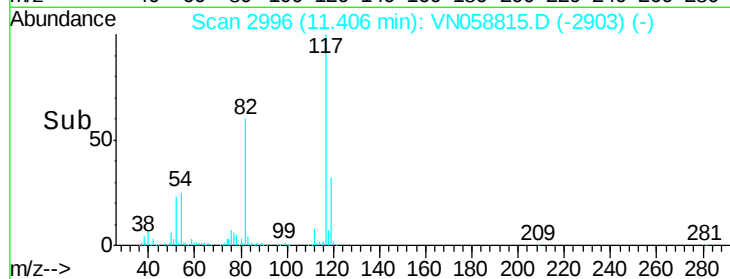
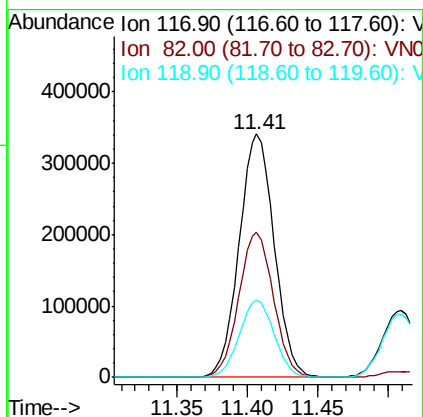
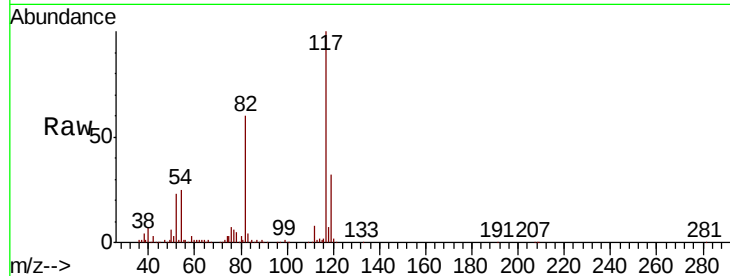




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

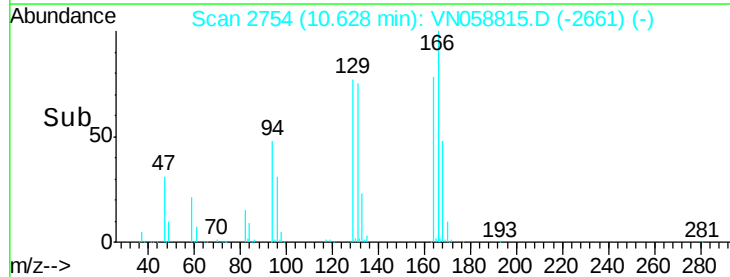
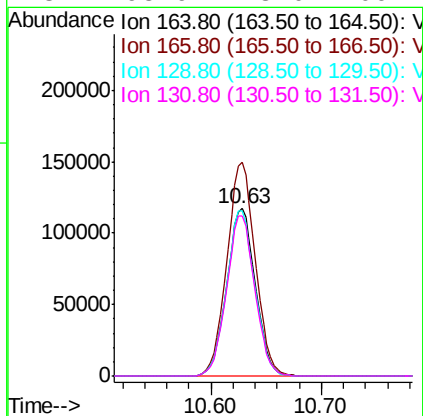
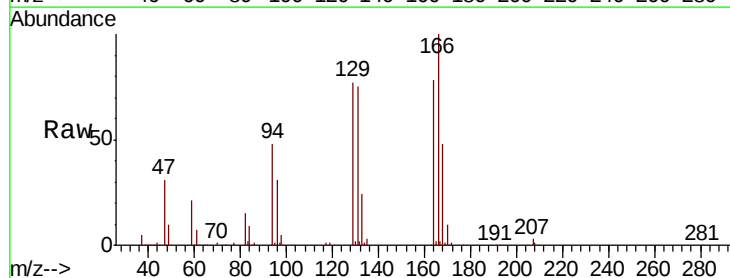
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 594380
Ion Ratio Lower Upper
117 100
82 59.6 47.0 70.4
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 50.487 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion:164 Resp: 210008
Ion Ratio Lower Upper
164 100
166 127.7 99.3 148.9
129 99.0 75.2 112.8
131 95.9 73.0 109.4





#65

Chlorobenzene

Concen: 52.512 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

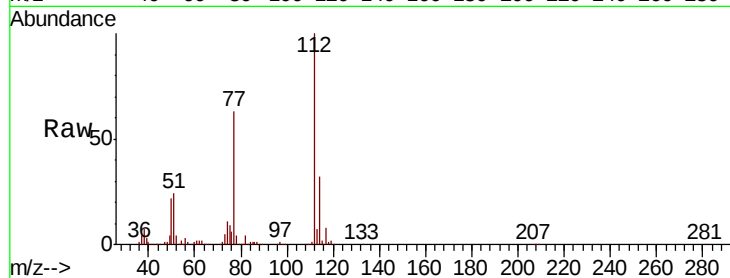
ClientSampled :

Tot Ion:112 Resp: 633856

Ion Ratio Lower Upper

112 100

114 31.6 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

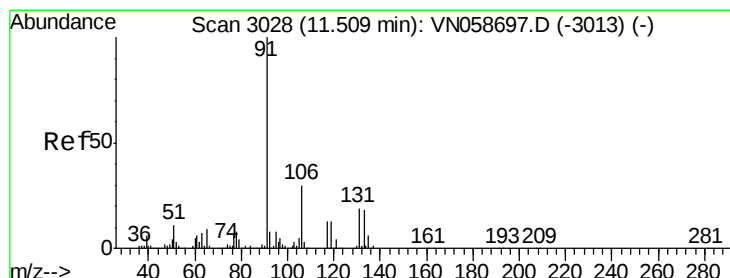
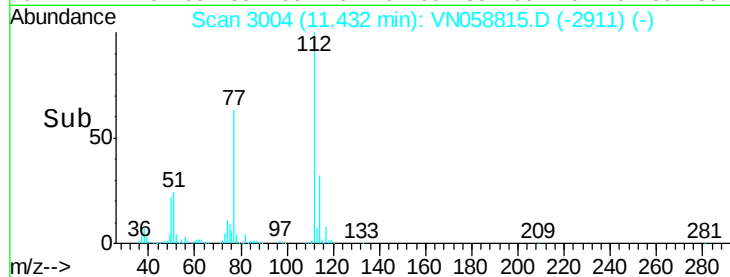
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.942 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

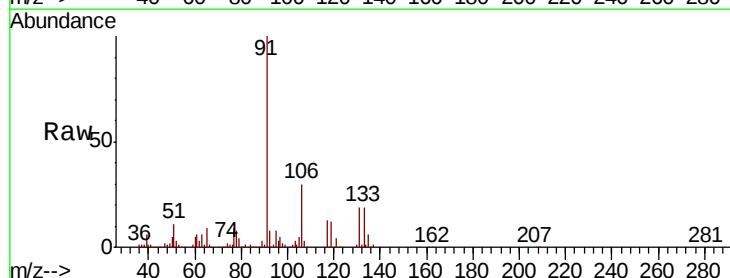
Tgt Ion:131 Resp: 240768

Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.9

119 65.5 33.0 98.9



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

11.51

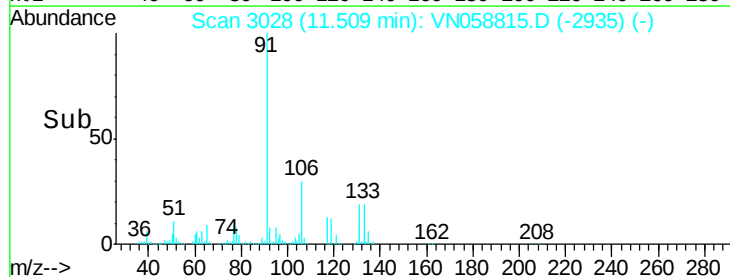
150000

100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 55.001 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

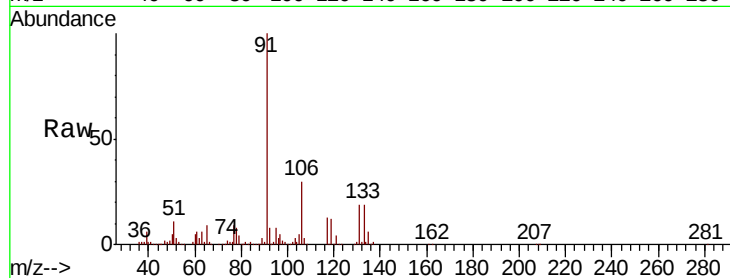
ClientSampleId :

Tot Ion: 91 Resp: 1183441

Ion Ratio Lower Upper

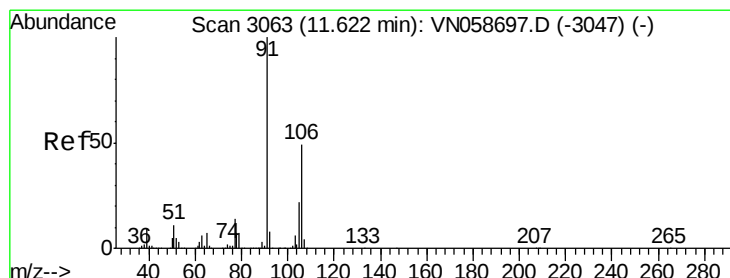
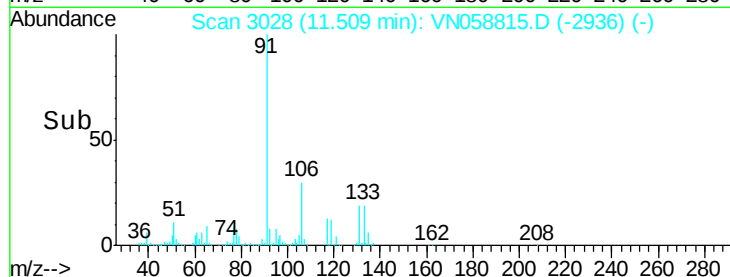
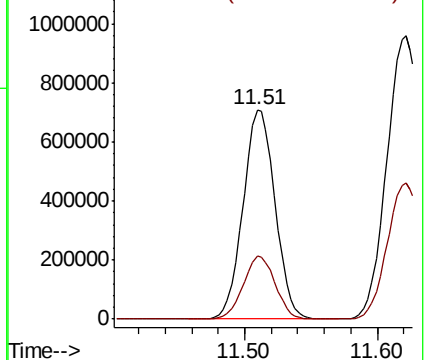
91 100

106 29.9 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN058815.D (-2936) (-)

Ion 106.00 (105.70 to 106.70): VN058815.D (-2936) (-)



#68

m/p-Xylenes

Concen: 108.313 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058815.D

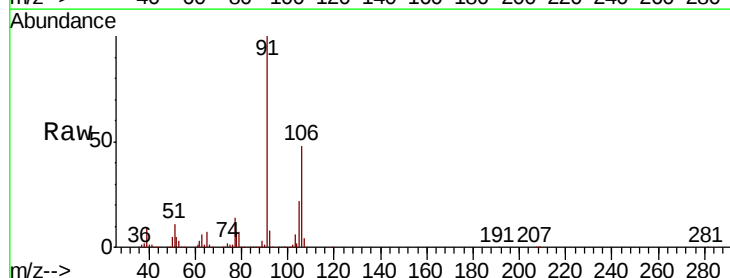
Acq: 17 Oct 2019 10:01

Tgt Ion: 106 Resp: 874595

Ion Ratio Lower Upper

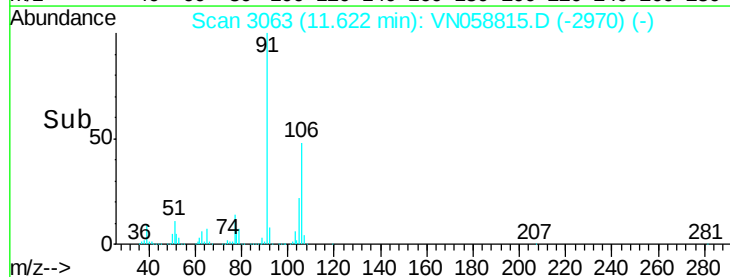
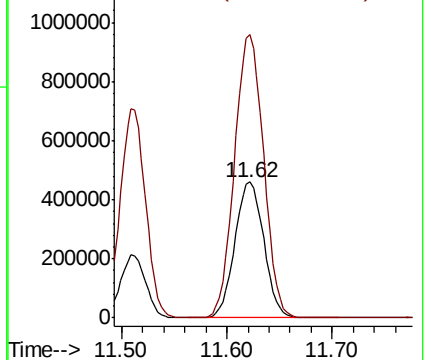
106 100

91 209.3 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): VN058815.D (-2970) (-)

Ion 91.00 (90.70 to 91.70): VN058815.D (-2970) (-)

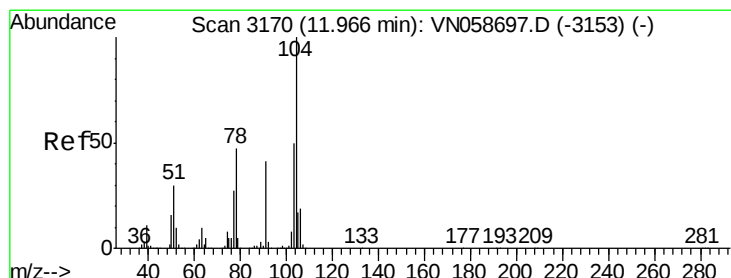
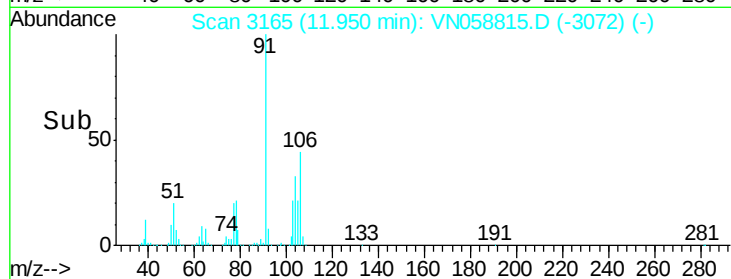
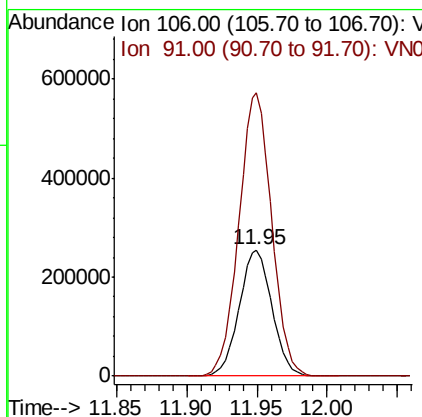
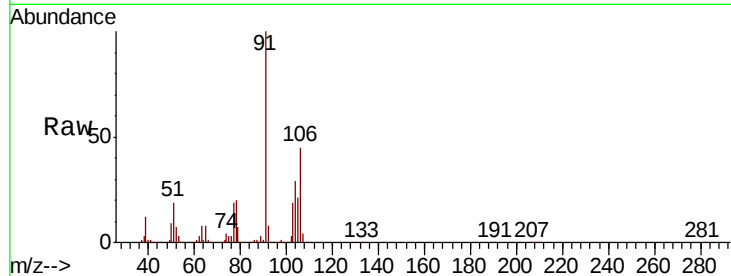




#69
o-Xylene
Concen: 53.114 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

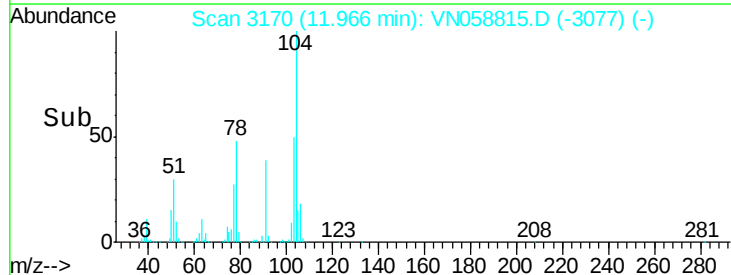
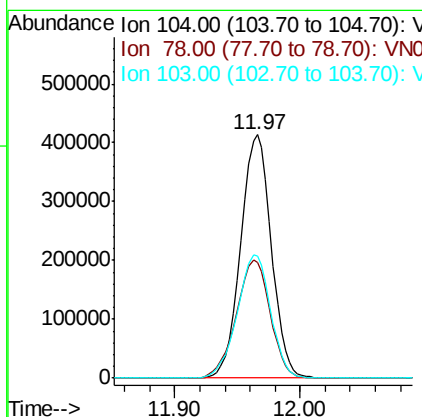
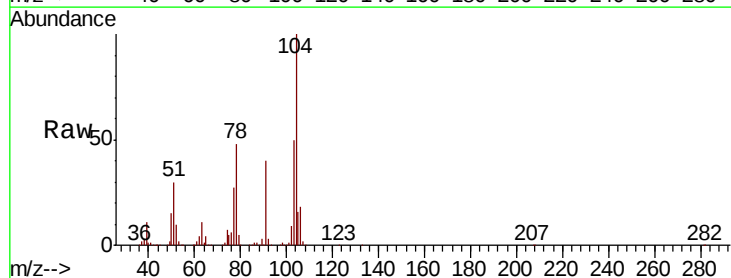
Instrument :
MSVOA_N
ClientSampled :

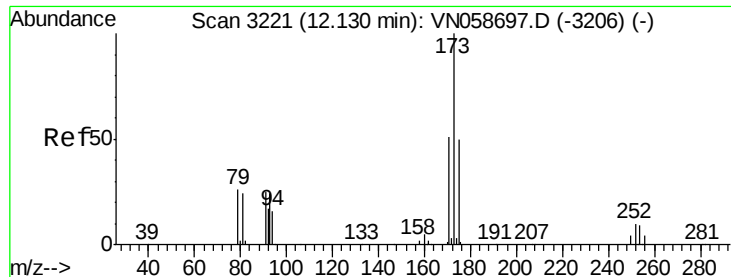
Tot Ion:106 Resp: 414945
Ion Ratio Lower Upper
106 100
91 223.9 110.9 332.9



#70
Styrene
Concen: 54.758 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058815.D
Acq: 17 Oct 2019 10:01

Tgt Ion:104 Resp: 701158
Ion Ratio Lower Upper
104 100
78 53.8 42.2 63.2
103 55.1 43.7 65.5





#71

Bromoform

Concen: 57.922 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

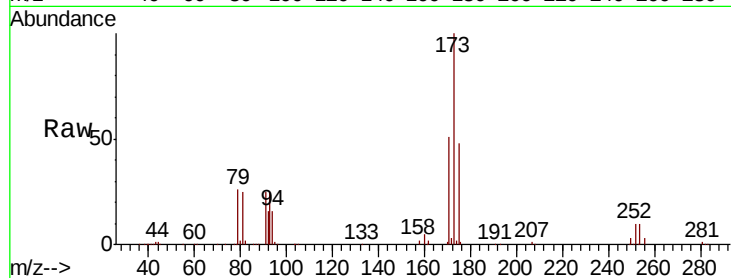
Tot Ion:173 Resp: 189499

Ion Ratio Lower Upper

173 100

175 48.6 24.6 73.8

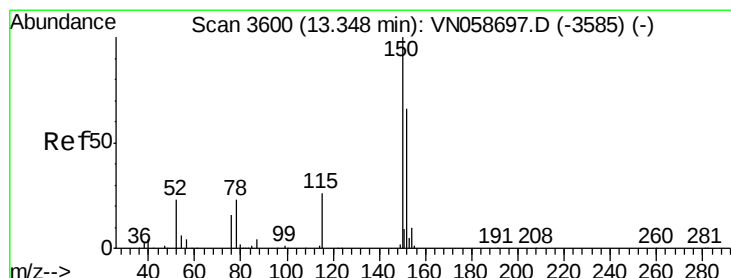
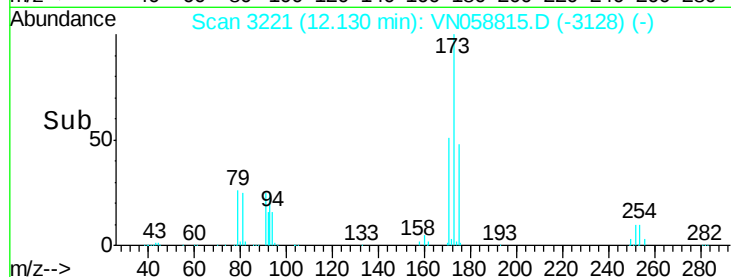
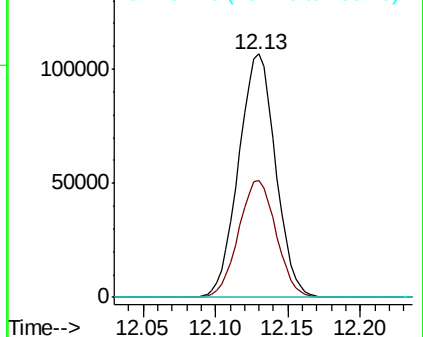
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

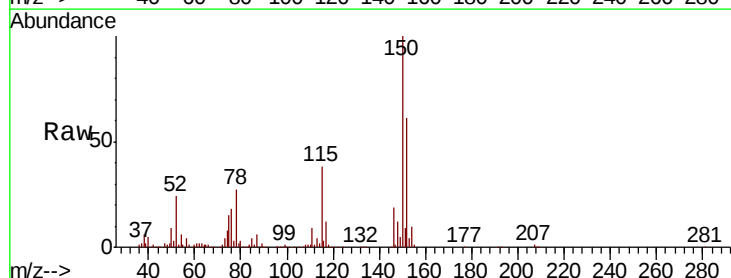
Tgt Ion:152 Resp: 292189

Ion Ratio Lower Upper

152 100

115 61.2 30.4 91.2

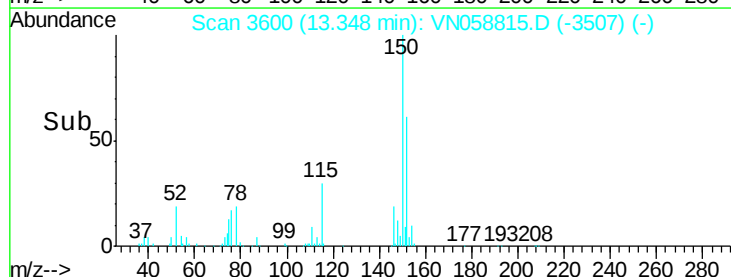
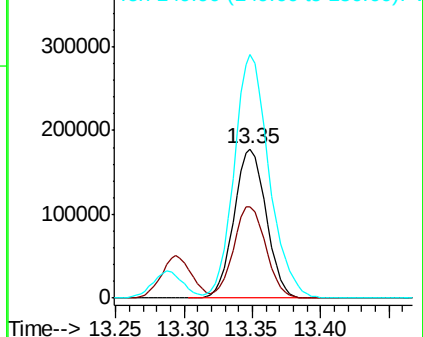
150 176.4 0.0 345.4

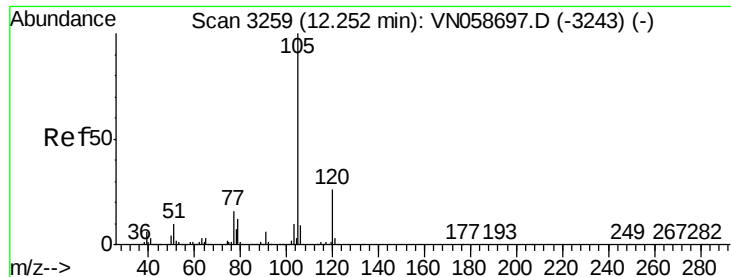


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.786 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

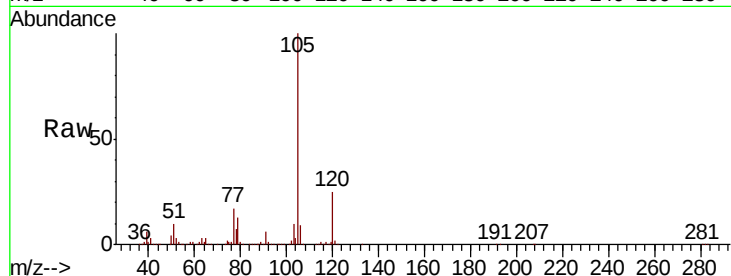
ClientSampled :

Tot Ion: 105 Resp: 1159319

Ion Ratio Lower Upper

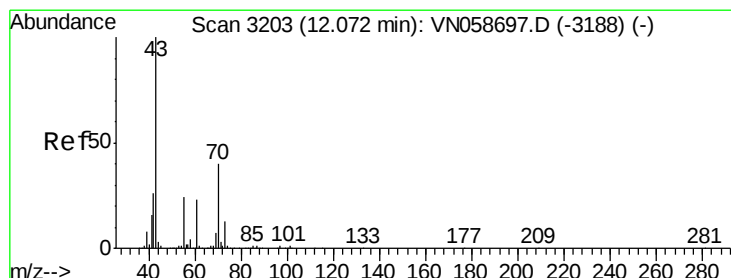
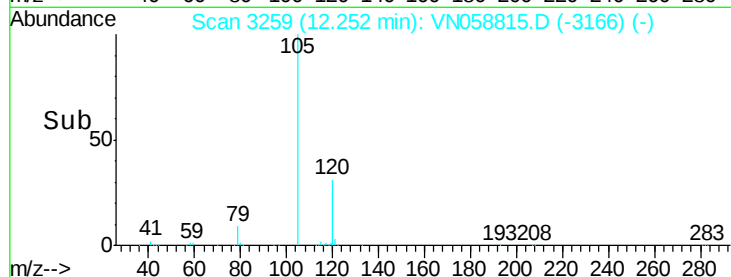
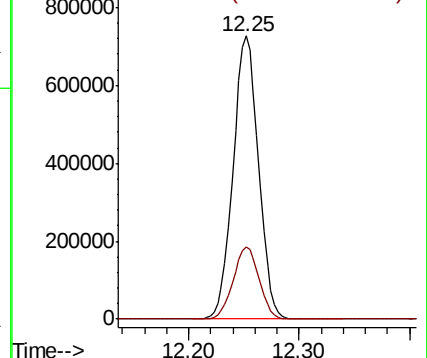
105 100

120 26.0 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 57.402 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Tgt Ion: 43 Resp: 545555

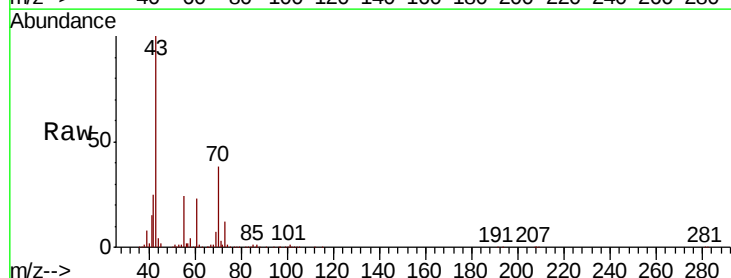
Ion Ratio Lower Upper

43 100

70 39.4 32.2 48.4

55 24.7 19.6 29.4

61 23.3 18.6 28.0

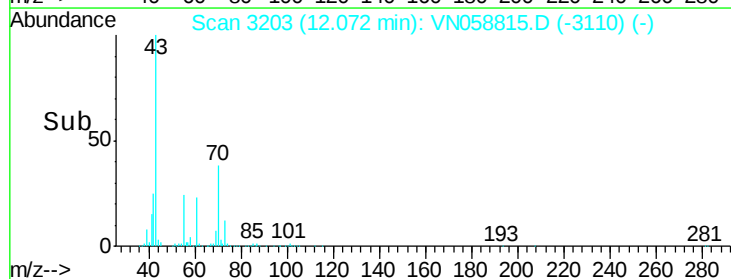
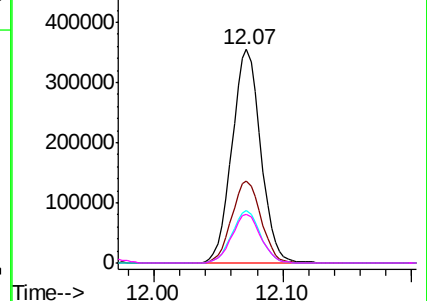


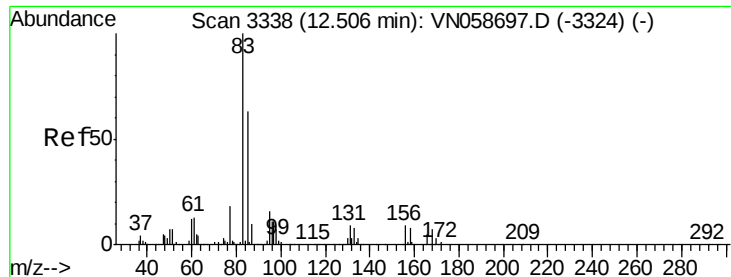
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.379 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

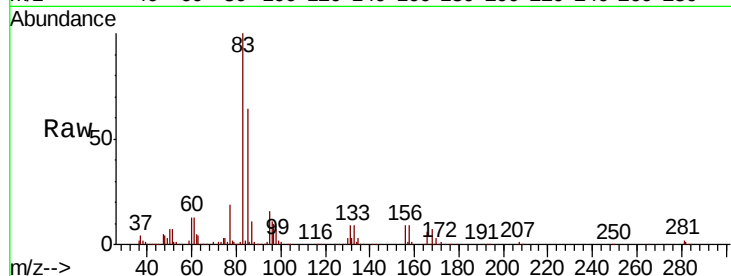
Tot Ion: 83 Resp: 379083

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.4

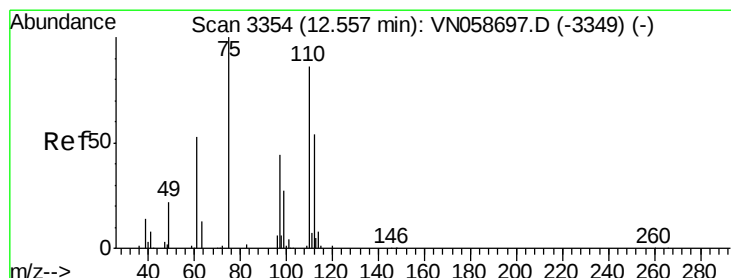
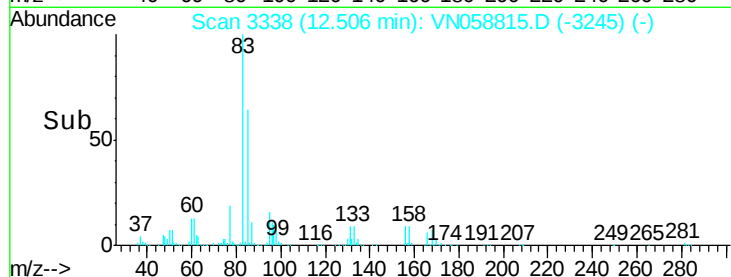
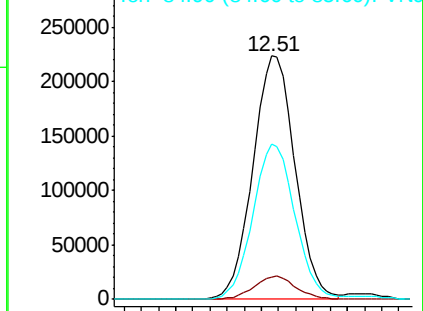
85 63.8 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN058815.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN058815.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN058815.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 80.867 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058815.D

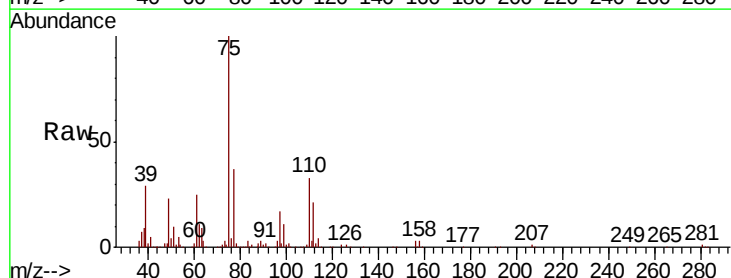
Acq: 17 Oct 2019 10:01

Tgt Ion: 75 Resp: 518352

Ion Ratio Lower Upper

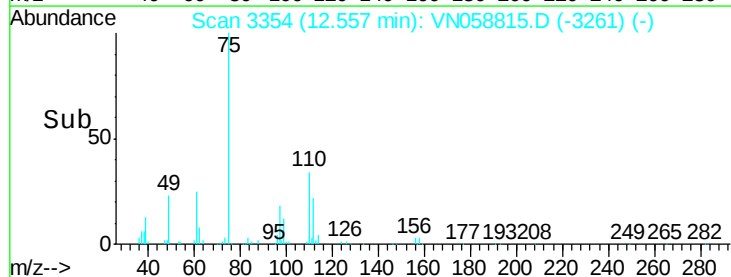
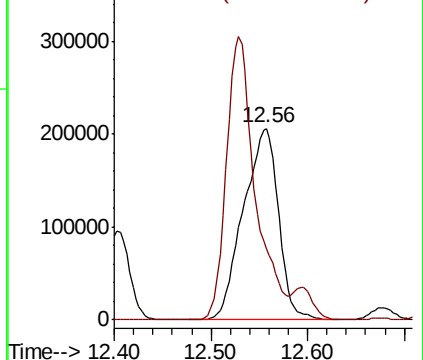
75 100

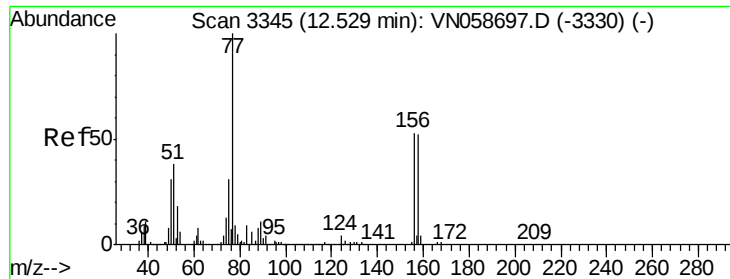
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058815.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058815.D (-3261) (-)





#77

Bromobenzene

Concen: 52.356 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

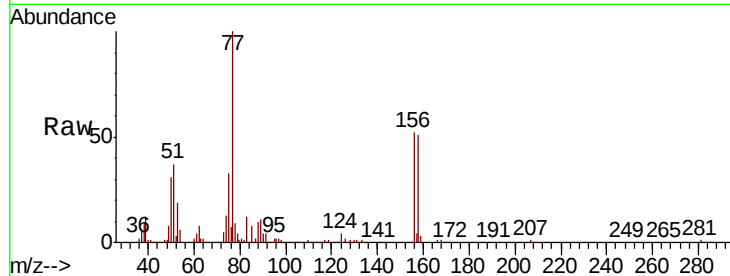
Tot Ion:156 Resp: 269479

Ion Ratio Lower Upper

156 100

77 235.5 115.8 347.3

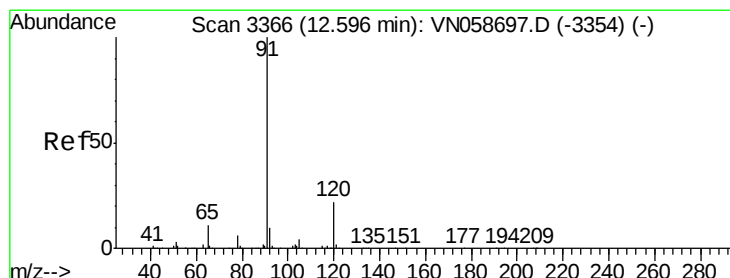
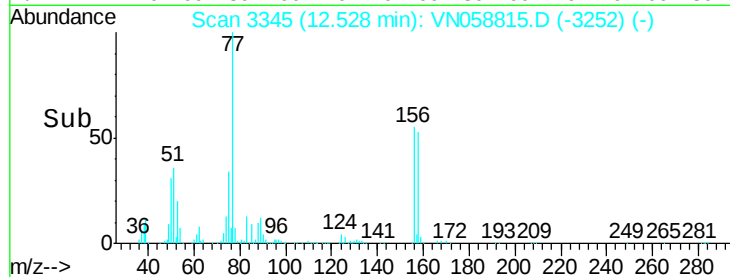
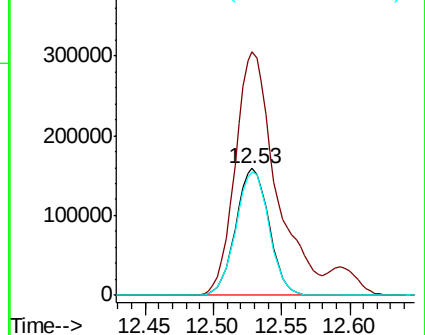
158 97.4 48.9 146.6



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: 56.097 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058815.D

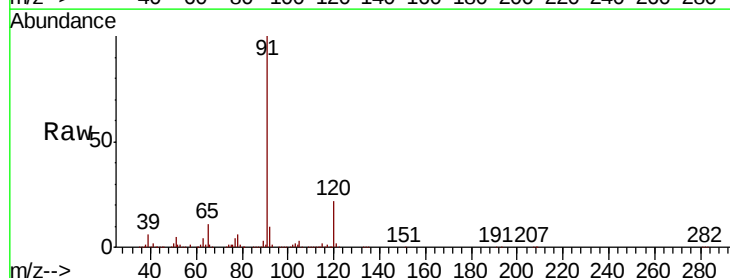
Acq: 17 Oct 2019 10:01

Tgt Ion: 91 Resp: 1383257

Ion Ratio Lower Upper

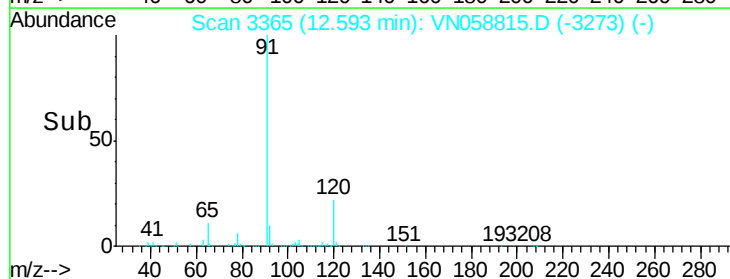
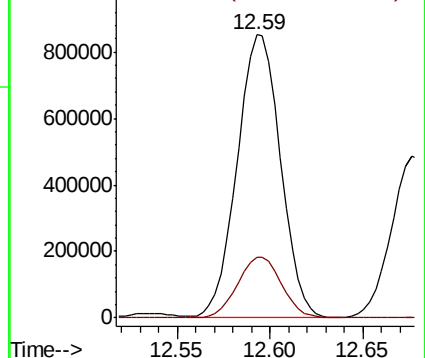
91 100

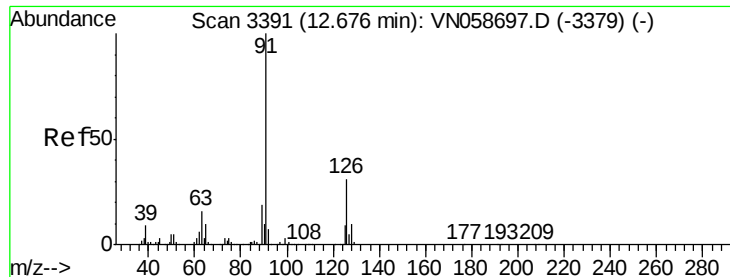
120 21.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.899 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

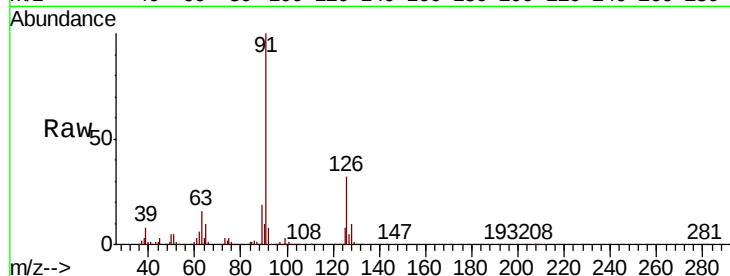
ClientSampleId :

Tot Ion: 91 Resp: 809602

Ion Ratio Lower Upper

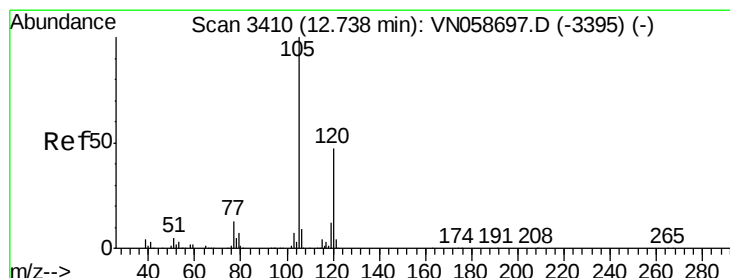
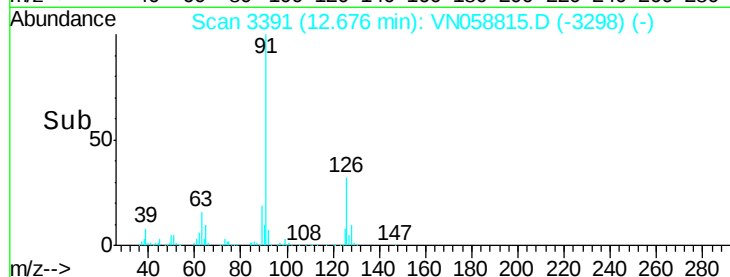
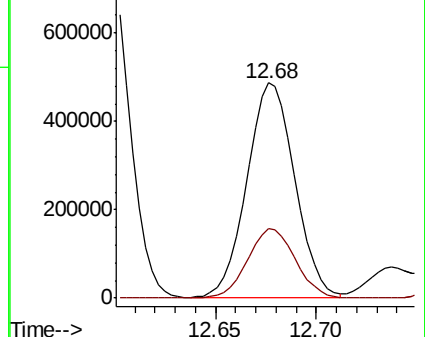
91 100

126 32.2 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058697.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.215 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058815.D

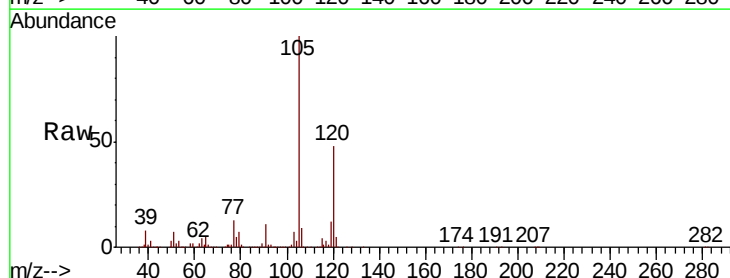
Acq: 17 Oct 2019 10:01

Tgt Ion: 105 Resp: 979452

Ion Ratio Lower Upper

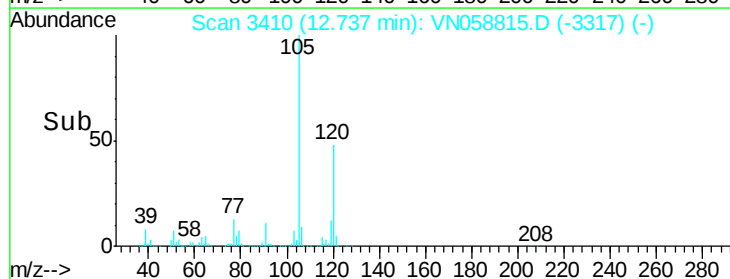
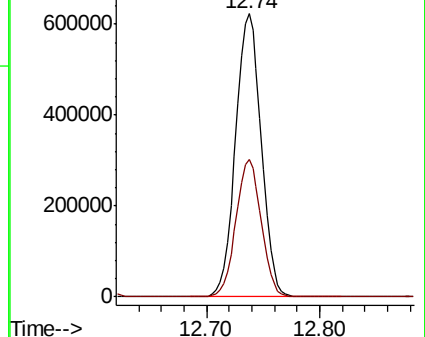
105 100

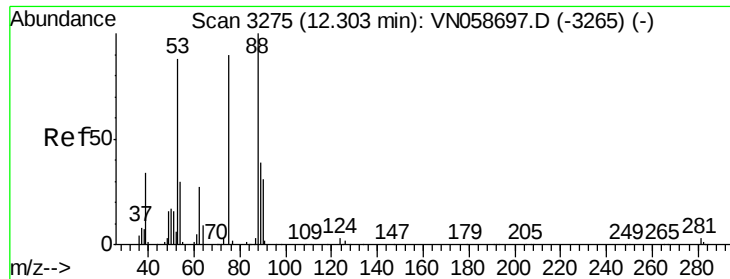
120 47.9 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN058697.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN058697.D (-3395) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 56.744 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

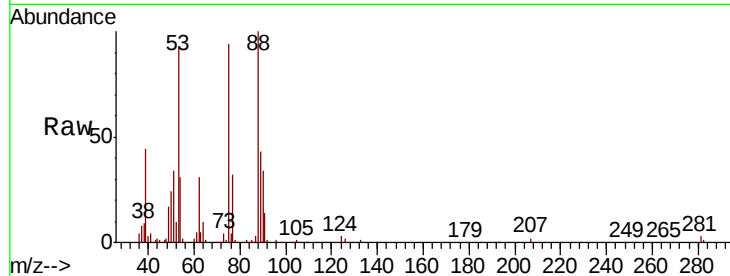
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 135784

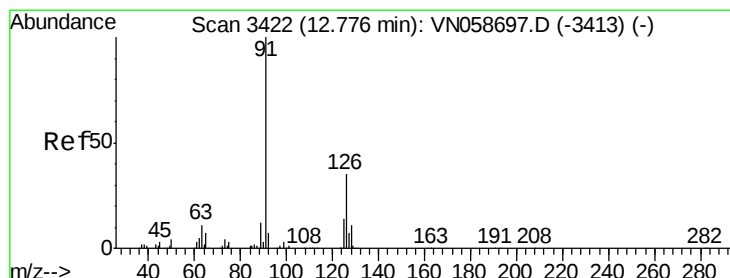
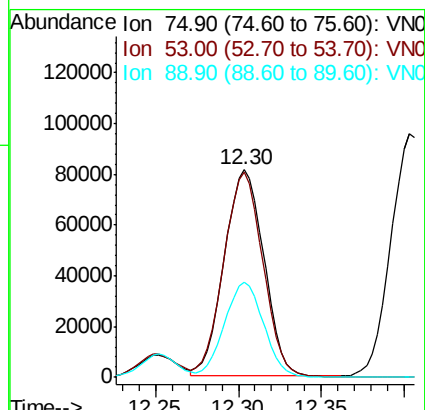
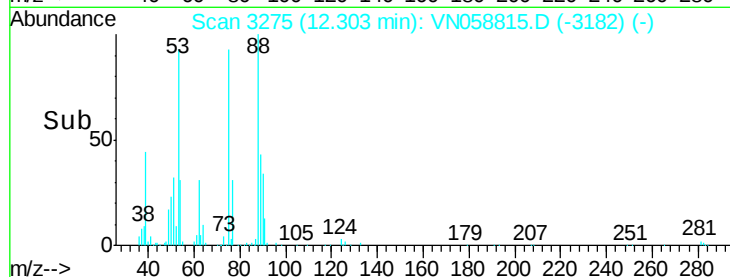
Ion	Ratio	Lower	Upper
75	100		
53	98.2	78.4	117.6
89	45.6	34.9	52.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 53.855 ug/l

RT: 12.78 min Scan# 3422

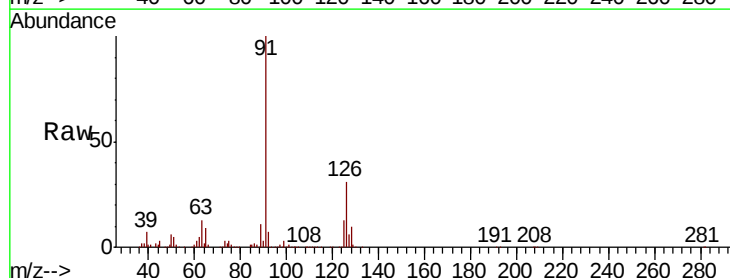
Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

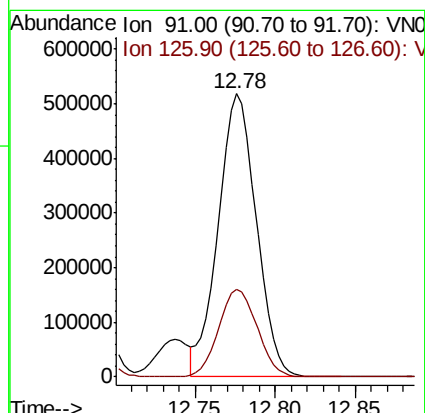
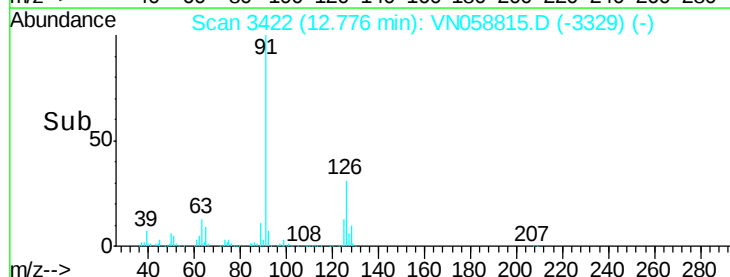
Tgt Ion: 91 Resp: 845801

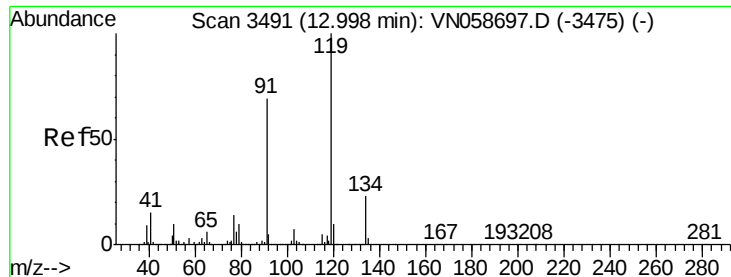
Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.9	47.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

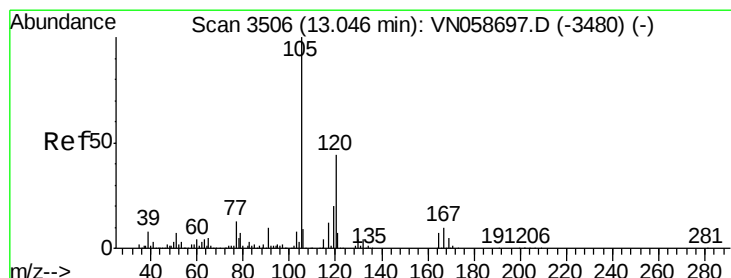
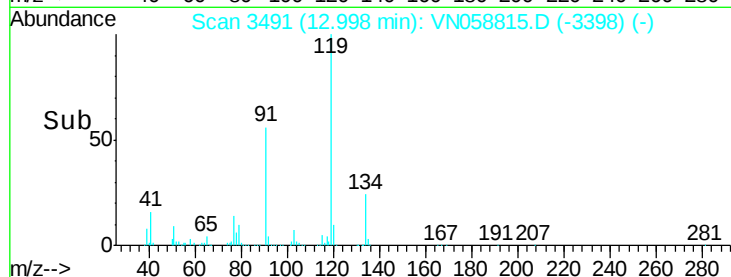
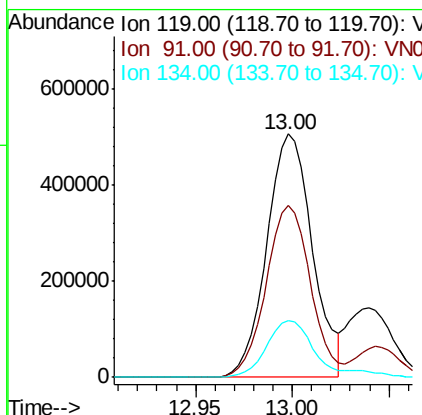
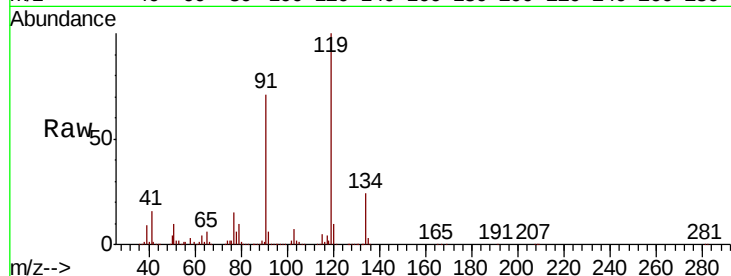




#83
 tert-Butylbenzene
 Concen: 53.676 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

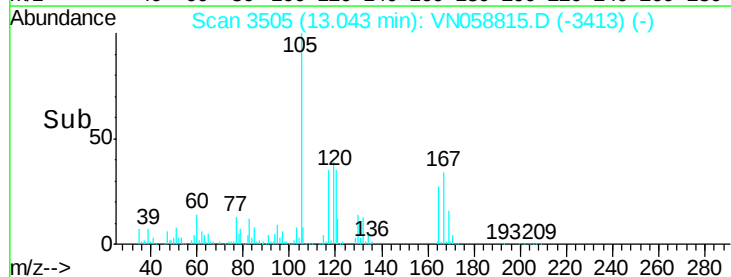
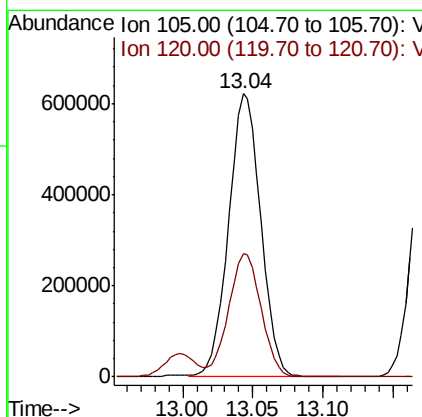
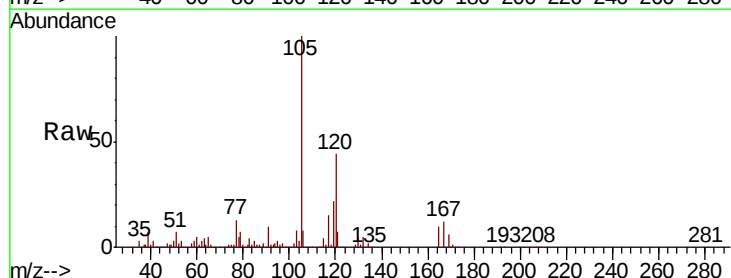
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 830725
 Ion Ratio Lower Upper
 119 100
 91 68.9 33.8 101.3
 134 25.3 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 55.122 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Tgt Ion:105 Resp: 988597
 Ion Ratio Lower Upper
 105 100
 120 43.9 21.9 65.7





#85

sec-Butylbenzene

Concen: 56.131 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

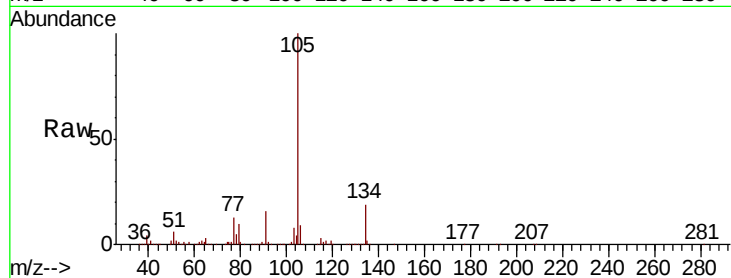
ClientSampled :

Tot Ion:105 Resp: 1144686

Ion Ratio Lower Upper

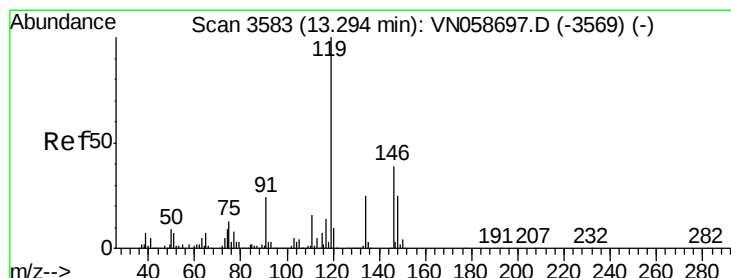
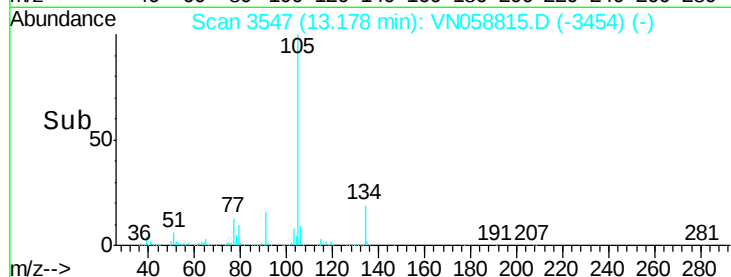
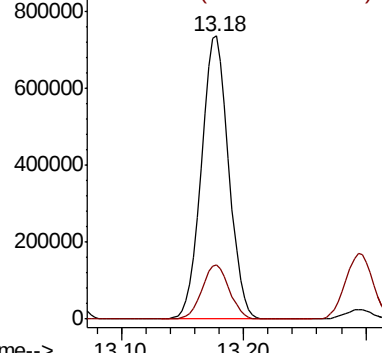
105 100

134 19.3 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.521 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

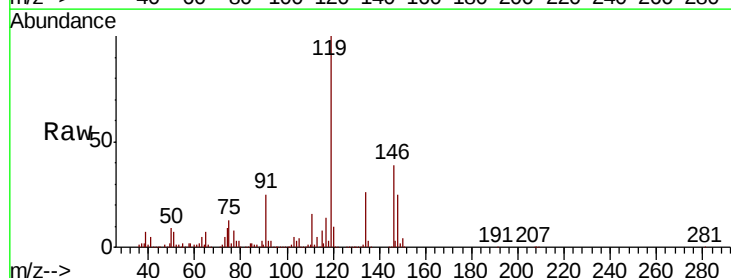
Tgt Ion:119 Resp: 1029046

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

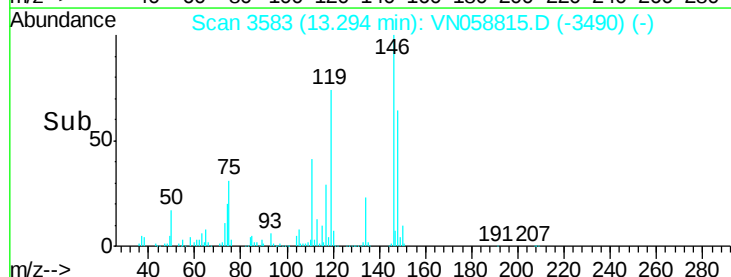
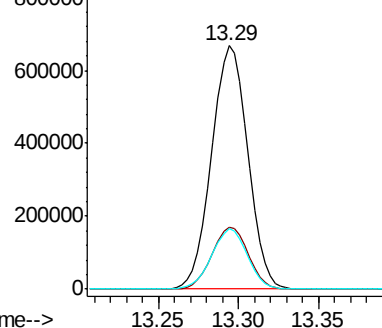
91 24.3 11.9 35.5

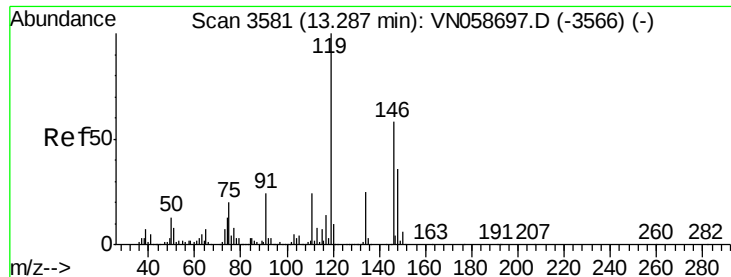


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.099 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN058815.D

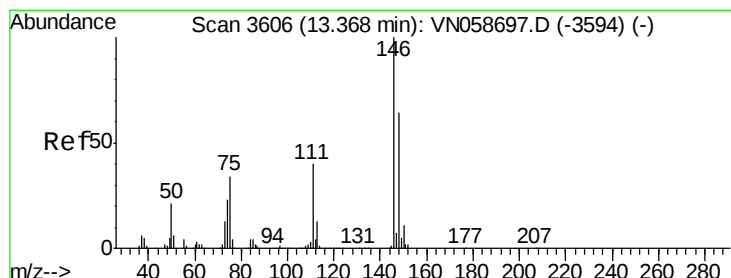
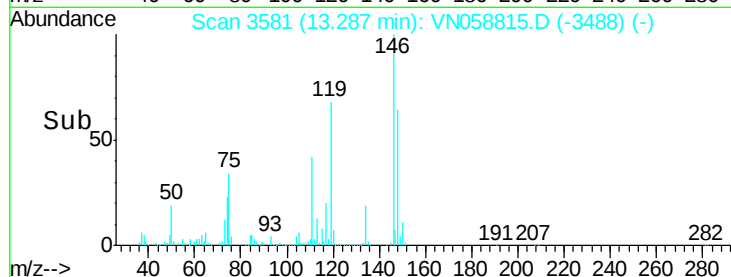
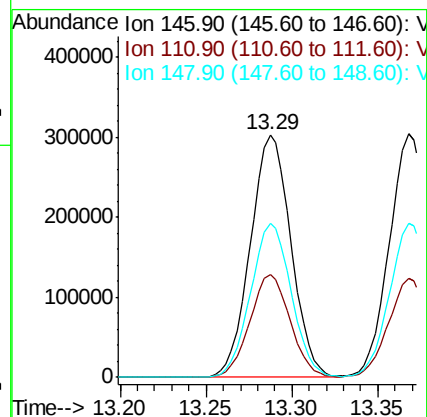
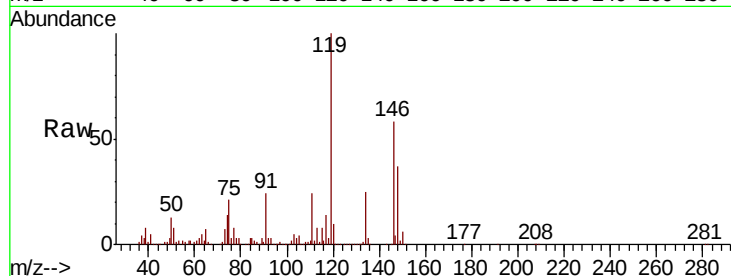
Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	494533
Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.5	61.6
148	63.8	31.3	93.9



#88

1,4-Dichlorobenzene

Concen: 51.524 ug/l

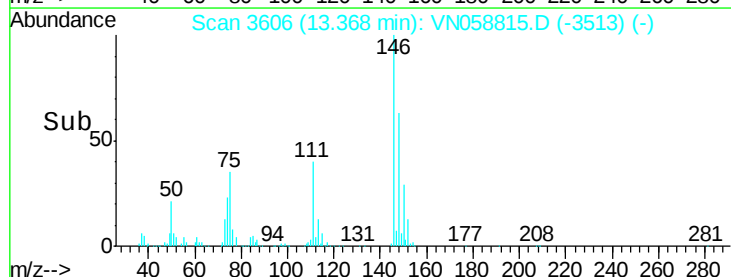
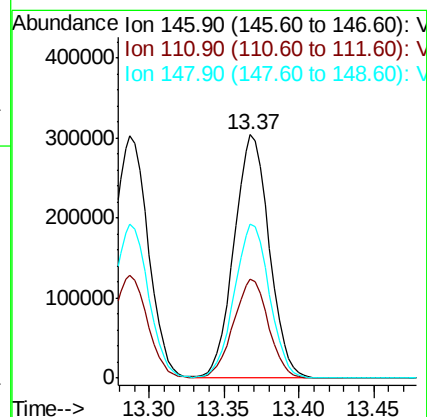
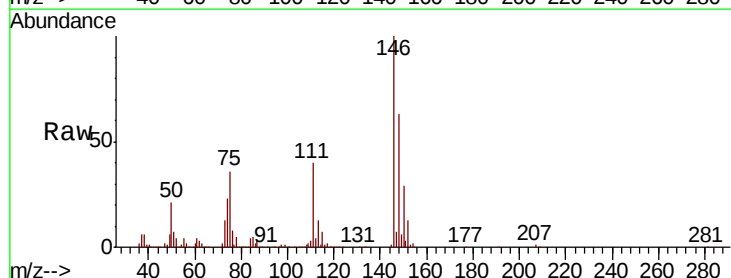
RT: 13.37 min Scan# 3606

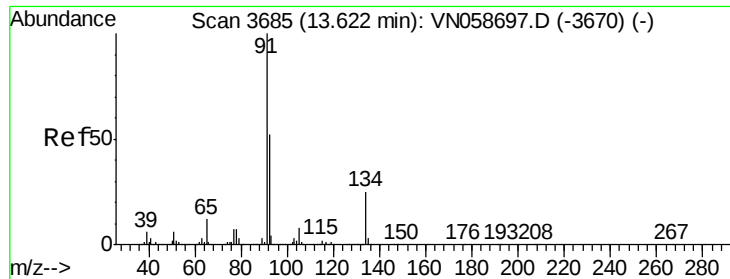
Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Tgt Ion:	146	Resp:	497263
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.1	60.2
148	63.3	31.9	95.7





#89

n-Butylbenzene

Concen: 54.953 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

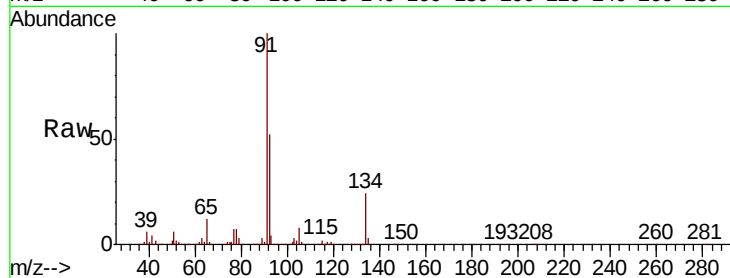
Tot Ion: 91 Resp: 941781

Ion Ratio Lower Upper

91 100

92 51.6 26.0 78.0

134 24.3 12.2 36.6

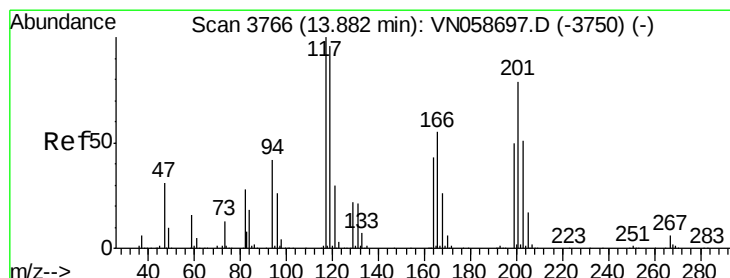
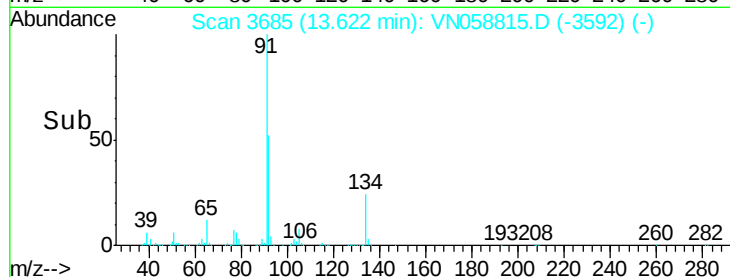


Abundance Ion 91.00 (90.70 to 91.70): VN058815.D (-3592) (-)

Ion 92.00 (91.70 to 92.70): VN058815.D (-3592) (-)

Ion 134.00 (133.70 to 134.70): VN058815.D (-3592) (-)

Time-->



#90

Hexachloroethane

Concen: 56.421 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058815.D

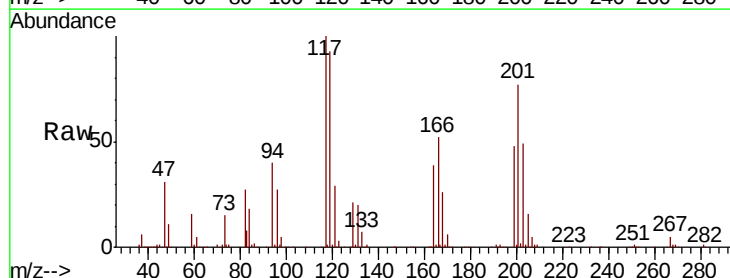
Acq: 17 Oct 2019 10:01

Tgt Ion: 117 Resp: 187115

Ion Ratio Lower Upper

117 100

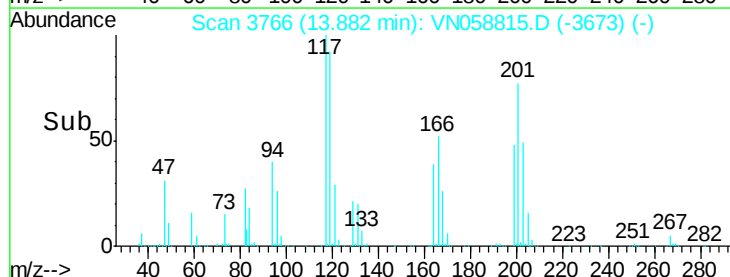
201 77.1 39.6 118.7

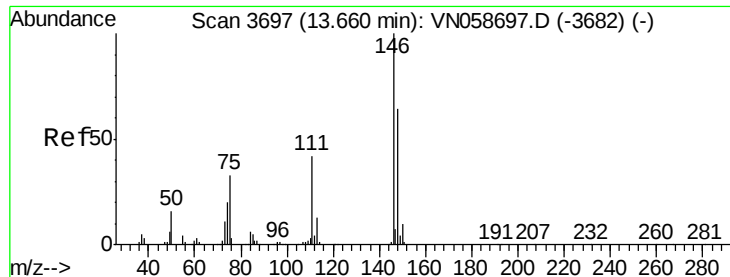


Abundance Ion 116.80 (116.50 to 117.50): VN058815.D (-3673) (-)

Ion 200.70 (200.40 to 201.40): VN058815.D (-3673) (-)

Time-->

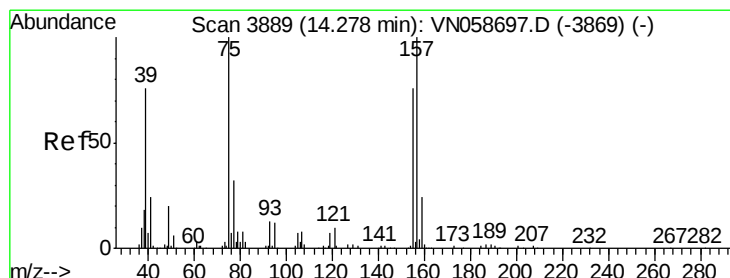
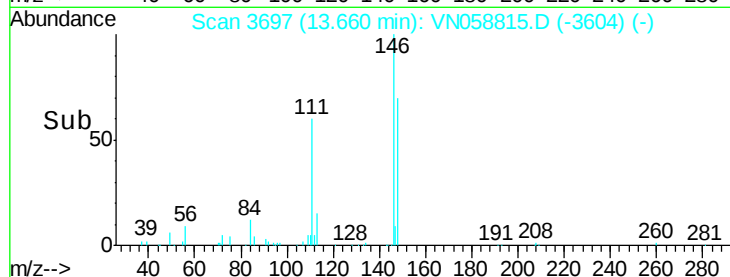
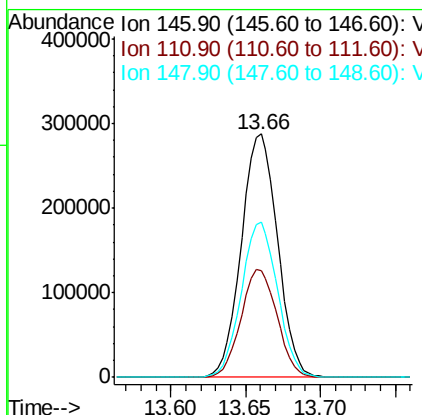
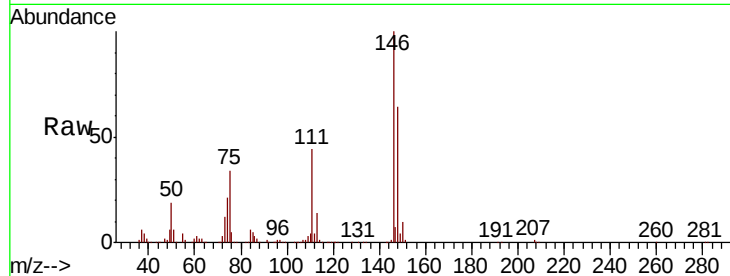




#91
 1,2-Dichlorobenzene
 Concen: 52.600 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

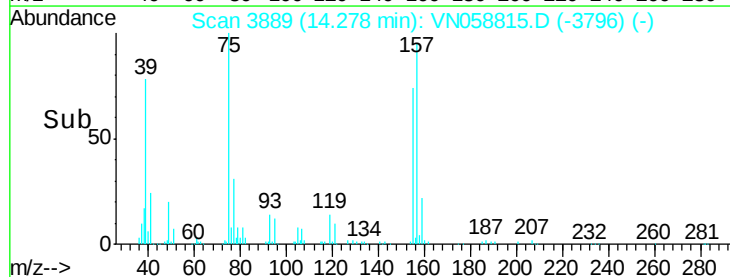
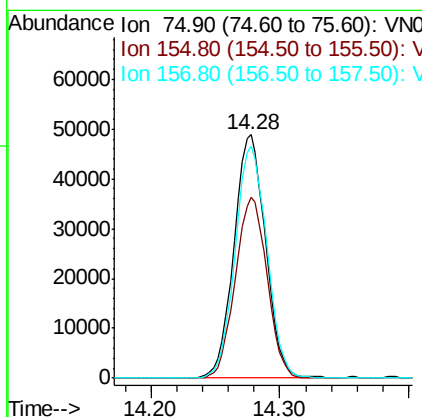
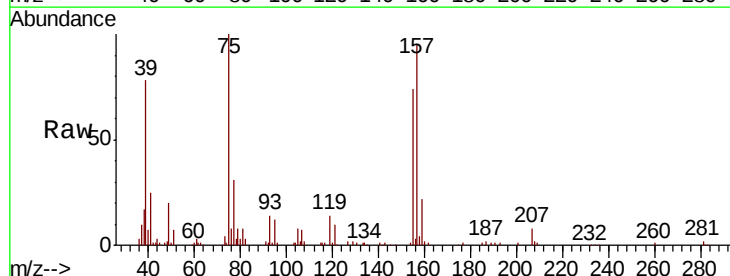
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.1	63.4
148	63.5	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.100 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.4	37.9	113.6
157	95.5	49.4	148.2

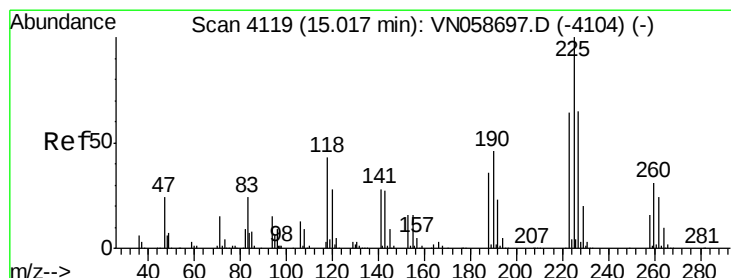
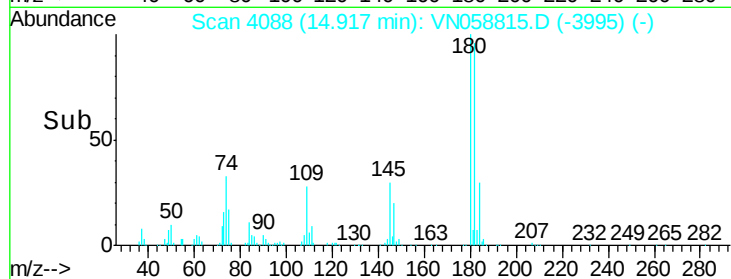
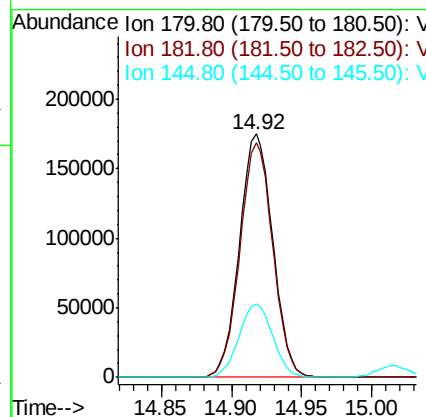
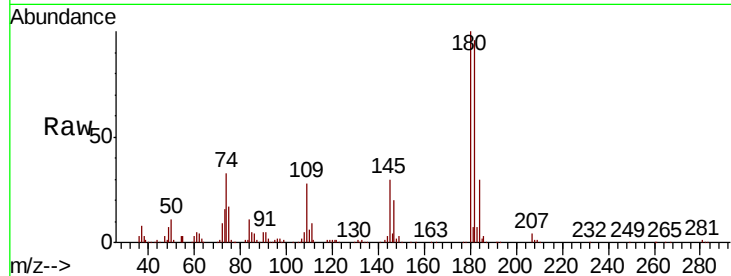




#93
 1,2,4-Trichlorobenzene
 Concen: 51.314 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

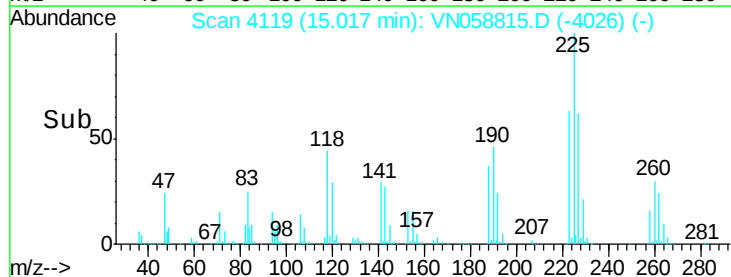
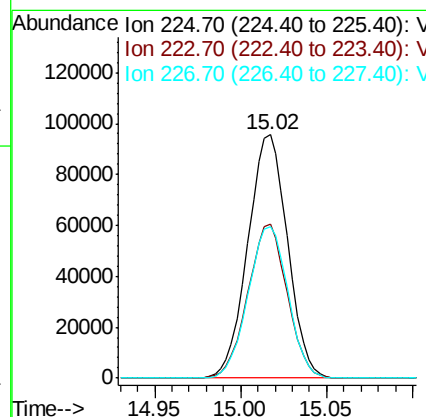
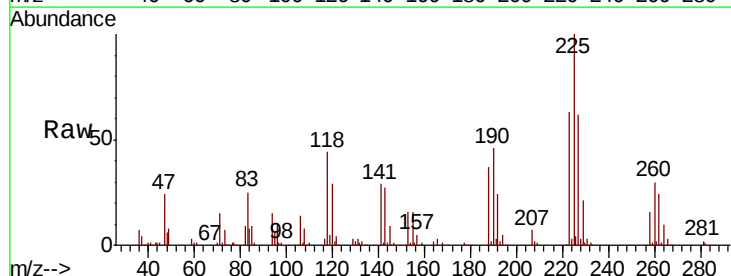
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.4	142.2
145	30.7	15.4	46.2



#94
 Hexachlorobutadiene
 Concen: 51.552 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058815.D
 Acq: 17 Oct 2019 10:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	32.3	96.8
227	62.3	32.4	97.0





#95

Naphthalene

Concen: 53.644 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

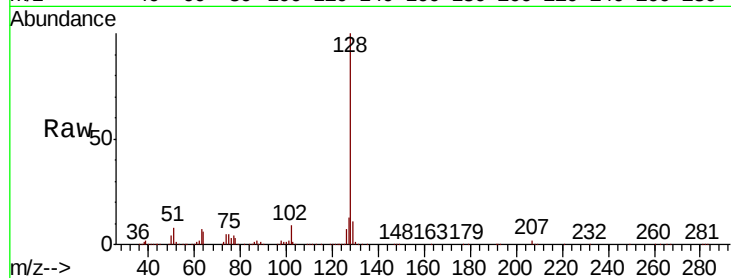
Tot Ion:128 Resp: 870076

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

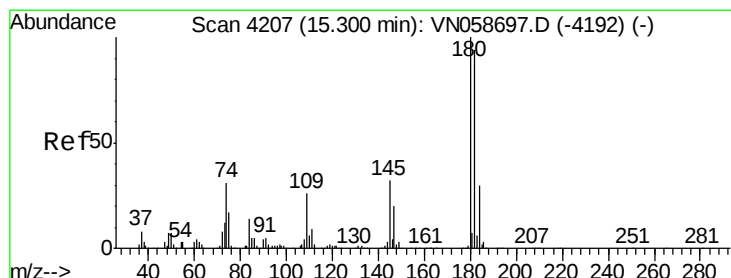
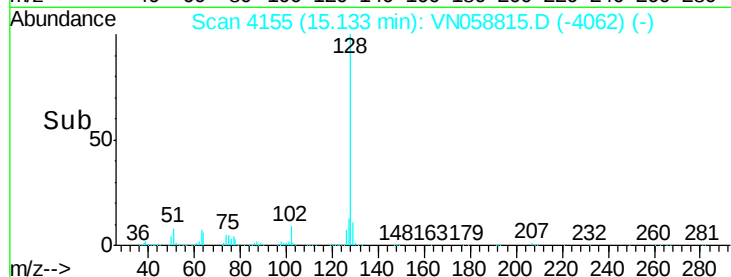
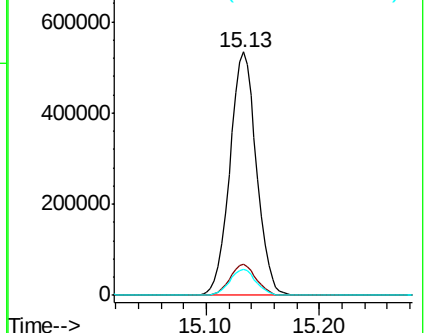
129 10.6 8.5 12.7



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: 51.628 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058815.D

Acq: 17 Oct 2019 10:01

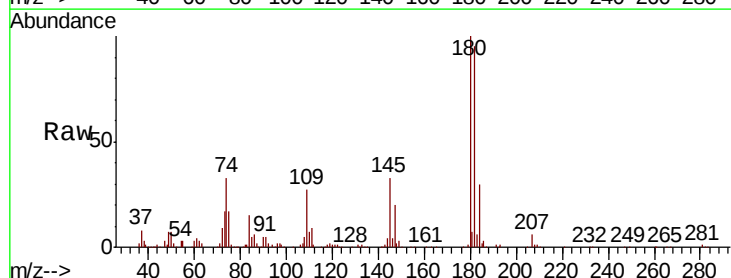
Tgt Ion:180 Resp: 284467

Ion Ratio Lower Upper

180 100

182 94.2 47.3 142.0

145 32.6 16.2 48.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

