

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
 Data File : VN052628.D
 Acq On : 3 Dec 2018 13:34
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Dec 04 00:24:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	156933	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	925913	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	808805	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	325911	30.48	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.60%
60) 4-Bromofluorobenzene	12.40	95	369223	29.86	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.53%
63) Toluene-d8	10.09	98	1112239	29.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	171362	19.173	ug/l 99
3) Chloromethane	2.06	50	226981	19.149	ug/l 100
4) Vinyl Chloride	2.19	62	234501	19.601	ug/l 97
5) Bromomethane	2.58	94	141604	20.758	ug/l 99
6) Chloroethane	2.71	64	141401	19.875	ug/l 98
7) Trichlorofluoromethane	3.02	101	295657	20.024	ug/l 97
8) Diethyl Ether	3.41	74	112875	20.704	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	186553	19.931	ug/l 98
10) 1,1-Dichloroethene	3.74	96	177449	20.164	ug/l 97
11) Methyl Iodide	3.96	142	264593	21.655	ug/l 99
12) Methyl Acetate	4.33	43	168030	22.472	ug/l 98
13) Acrolein	3.61	56	74991	85.378	ug/l 99
14) Acrylonitrile	4.99	53	341801	107.282	ug/l 98
15) Acetone	3.82	58	98825	119.773	ug/l 99
16) Carbon Disulfide	4.06	76	520910	18.696	ug/l 99
17) Allyl chloride	4.33	41	279052	18.182	ug/l 95
18) Methylene Chloride	4.55	84	208008	20.414	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	190623	20.128	ug/l 95
20) Diisopropyl ether	5.95	45	646453	20.043	ug/l 99
21) 1,1-Dichloroethane	5.85	63	372075	20.240	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	221783	20.433	ug/l 99
23) tert-Butyl Alcohol	4.78	59	57810	121.975	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	498293	21.583	ug/l 97
25) Chloroform	7.37	83	362520	20.442	ug/l 100
26) Cyclohexane	7.66	56	332404	19.172	ug/l # 99
29) 1,1-Dichloropropene	7.80	75	277459	19.623	ug/l 100
30) 2-Butanone	6.84	43	420016	111.011	ug/l 99
31) 2,2-Dichloropropane	6.83	77	264357	20.308	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	296676	20.165	ug/l 98
33) Carbon Tetrachloride	7.78	117	255439	19.843	ug/l 99
34) Benzene	8.05	78	845210	19.882	ug/l 97
35) Methacrylonitrile	7.17	41	81680	17.400	ug/l 97
36) 1,2-Dichloroethane	8.13	62	259863	20.172	ug/l 99
37) Trichloroethene	8.84	130	214190	19.869	ug/l 100
38) Methylcyclohexane	9.08	83	332449	18.993	ug/l 97
39) 1,2-Dichloropropane	9.12	63	219385	19.252	ug/l 96
40) Dibromomethane	9.21	93	128153	20.811	ug/l 97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	269045	19.775	ug/l	99
42) Vinyl Acetate	5.90	43	2036223	99.467	ug/l	98
43) Ethyl Acetate	6.93	43	167850	20.863	ug/l #	65
44) Isopropyl Acetate	8.17	43	341289	24.188	ug/l	98
45) 1,4-Dioxane	9.20	88	36807	476.836	ug/l	97
46) Methyl methacrylate	9.20	41	153737	20.985	ug/l	99
47) n-amyl Acetate	12.07	43	239075	20.436	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	267057	20.244	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	317238	19.738	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	182921	20.955	ug/l	99
51) Ethyl methacrylate	10.43	69	233758	21.322	ug/l	96
52) 1,3-Dichloropropane	10.71	76	317184	20.414	ug/l	99
53) Dibromochloromethane	10.90	129	200493	20.862	ug/l	97
54) 1,2-Dibromoethane	11.01	107	179591	21.055	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	675785	105.306	ug/l	99
56) Bromoform	12.13	173	134039	21.338	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	858673	109.509	ug/l	99
59) 2-Hexanone	10.75	43	596700	111.400	ug/l	98
61) Tetrachloroethene	10.63	164	211290	21.211	ug/l	97
62) Toluene	10.16	91	902671	20.245	ug/l	100
64) Chlorobenzene	11.44	112	544422	20.005	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	192399	20.367	ug/l	100
66) Ethyl Benzene	11.51	91	956711	19.909	ug/l	99
67) m/p-Xylenes	11.62	106	722085	40.333	ug/l	100
68) o-Xylene	11.95	106	356628	20.524	ug/l	99
69) Styrene	11.97	104	563686	20.098	ug/l	100
70) Isopropylbenzene	12.25	105	936800	20.262	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	217643	21.640	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	271046	31.395	ug/l	44
73) Bromobenzene	12.53	156	230172	20.584	ug/l	97
74) n-propylbenzene	12.59	91	1055557	19.595	ug/l	99
75) 2-Chlorotoluene	12.68	91	631720	20.203	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	760486	20.365	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	56490	20.713	ug/l	99
78) 4-Chlorotoluene	12.78	91	620745	19.880	ug/l	100
79) tert-butylbenzene	12.99	119	671433	20.646	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	764763	20.467	ug/l	99
81) sec-Butylbenzene	13.17	105	908211	20.050	ug/l	100
82) p-Isopropyltoluene	13.29	119	774339	20.075	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	393890	20.029	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	385238	20.275	ug/l	99
85) n-Butylbenzene	13.62	91	625242	18.871	ug/l	99
86) Hexachloroethane	13.88	117	126689	19.385	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	390457	20.864	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31463	22.334	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	183009	19.848	ug/l	99
90) Hexachlorobutadiene	15.01	225	122677	20.282	ug/l	98
91) Naphthalene	15.14	128	379062	20.358	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	177979	20.946	ug/l	96

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QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

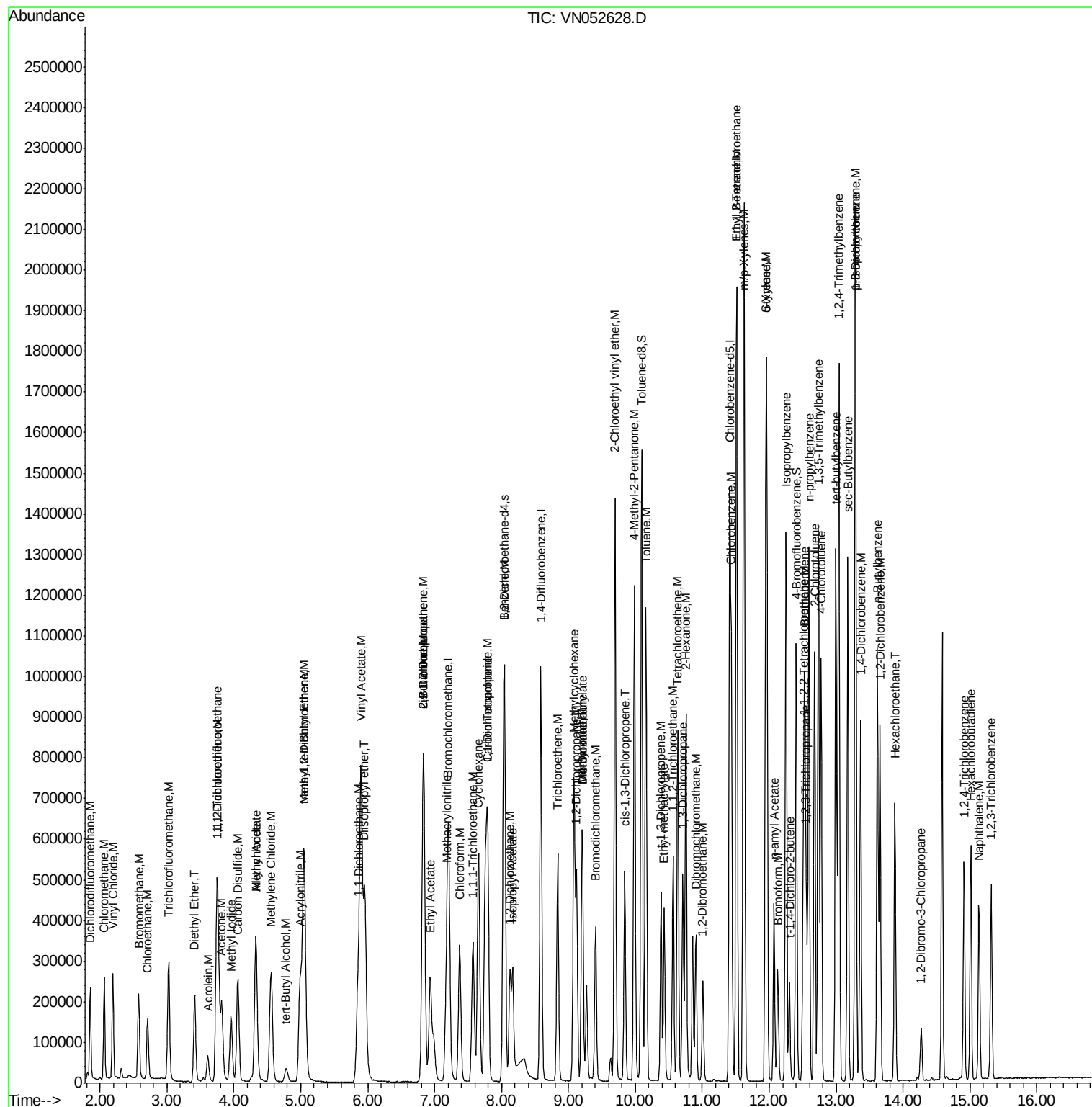
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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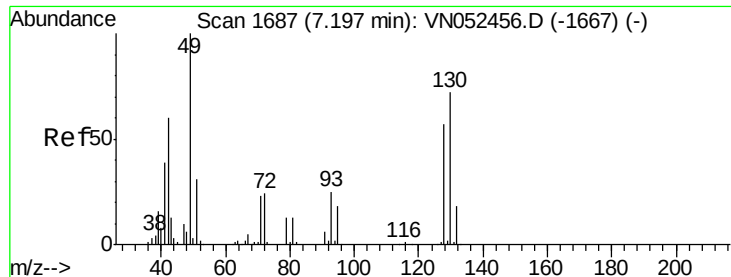
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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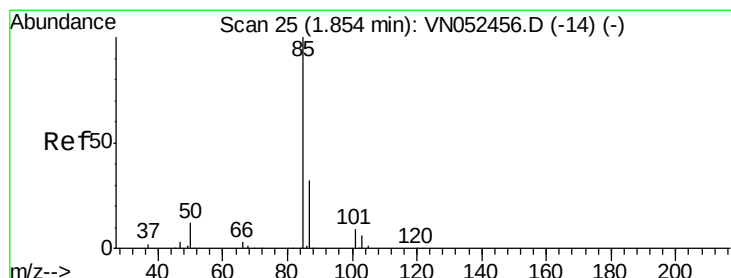
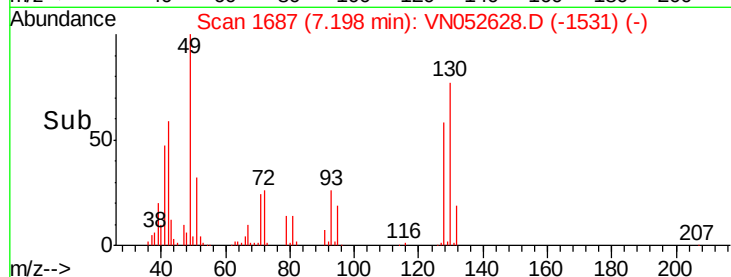
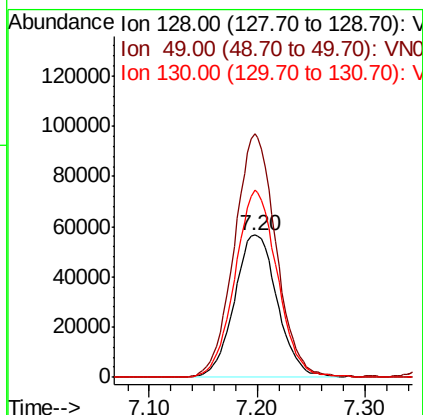
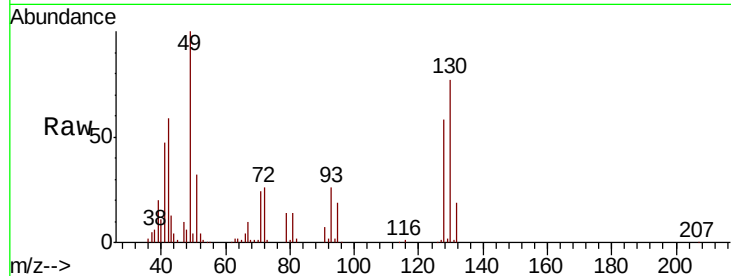




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

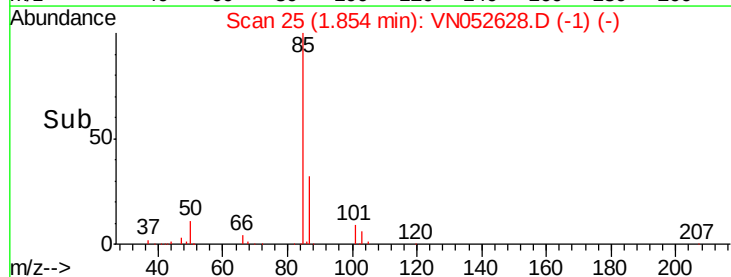
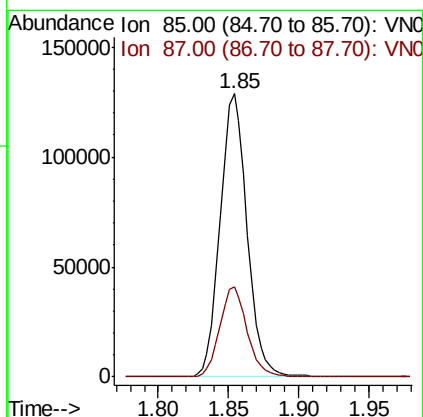
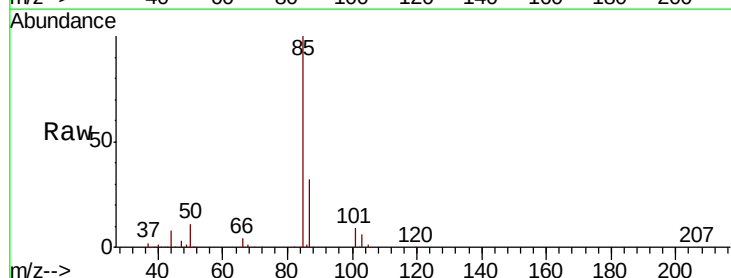
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

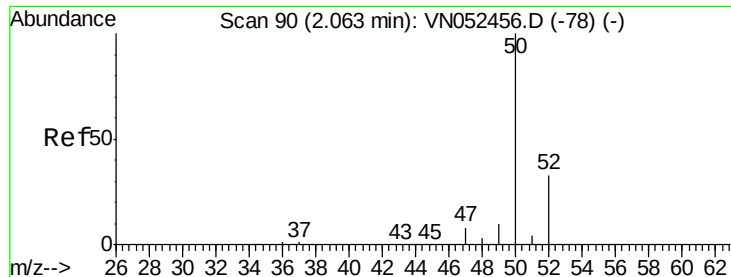
Tot Ion:128 Resp: 156933
Ion Ratio Lower Upper
128 100
49 166.3 0.0 431.8
130 129.9 0.0 317.0



#2
Dichlorodifluoromethane
Concen: 19.173 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

Tgt Ion: 85 Resp: 171362
Ion Ratio Lower Upper
85 100
87 31.8 16.1 48.3





#3

Chloromethane

Concen: 19.149 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

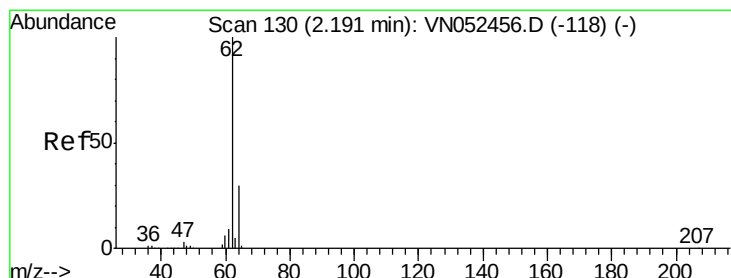
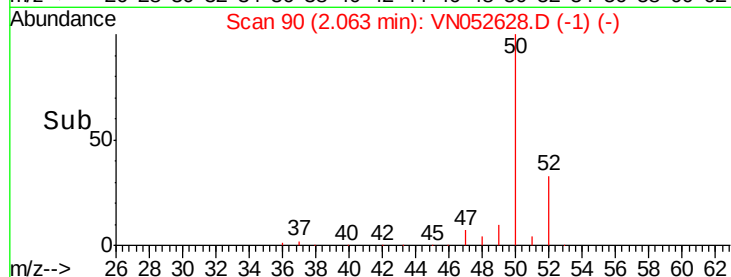
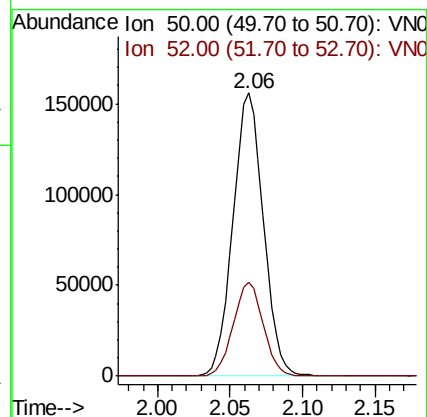
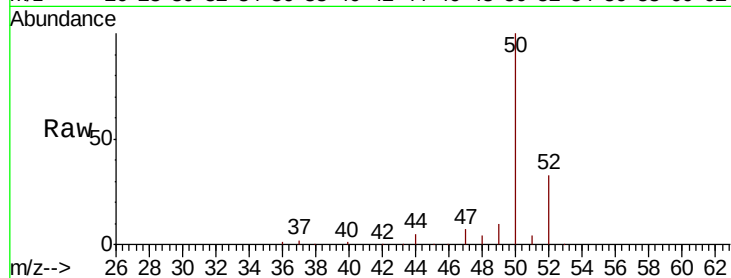
VSTDCCC020

Tot Ion: 50 Resp: 226981

Ion Ratio Lower Upper

50 100

52 33.0 26.5 39.7



#4

Vinyl Chloride

Concen: 19.601 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052628.D

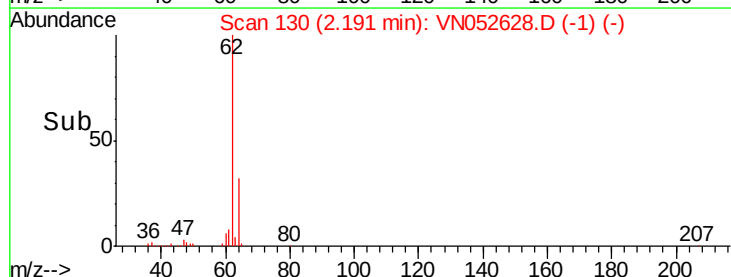
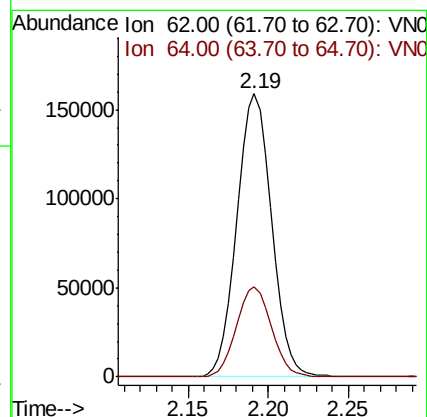
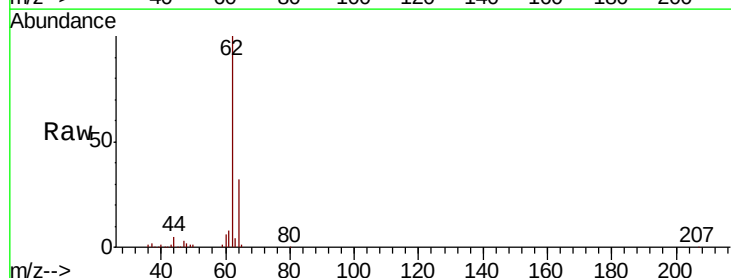
Acq: 3 Dec 2018 13:34

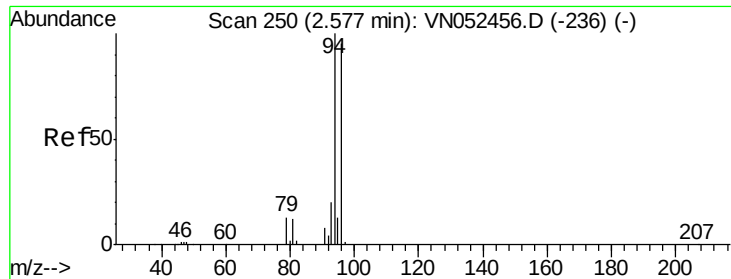
Tgt Ion: 62 Resp: 234501

Ion Ratio Lower Upper

62 100

64 31.7 24.2 36.4





#5

Bromomethane

Concen: 20.758 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

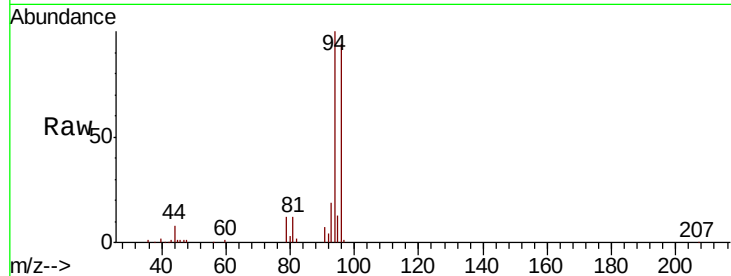
VSTDCCC020

Tot Ion: 94 Resp: 141604

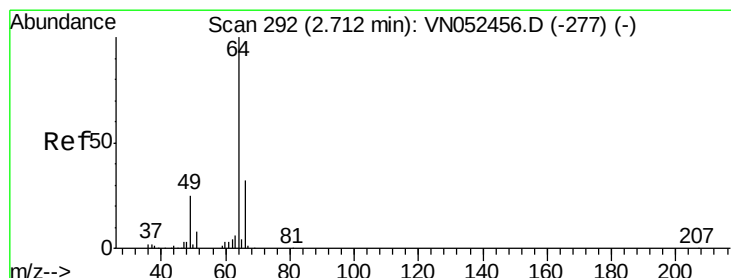
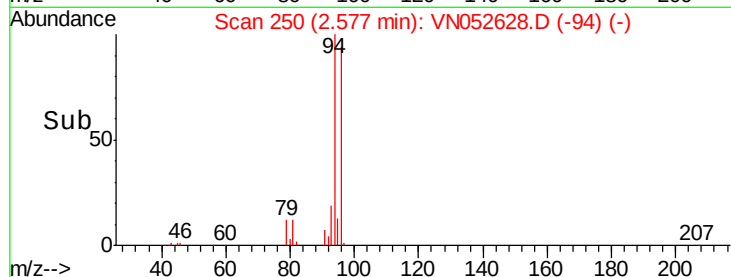
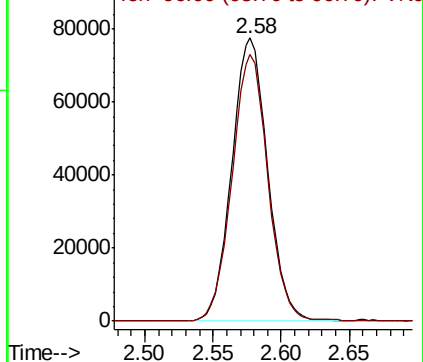
Ion Ratio Lower Upper

94 100

96 94.3 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VNO
Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 19.875 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052628.D

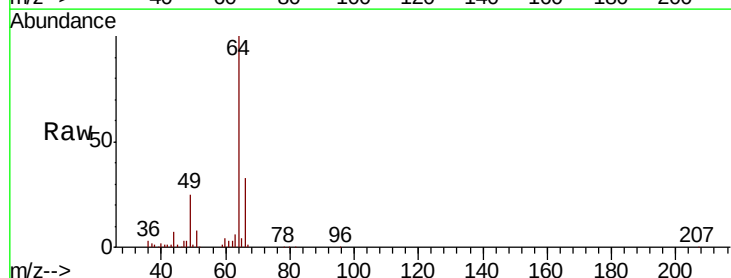
Acq: 3 Dec 2018 13:34

Tgt Ion: 64 Resp: 141401

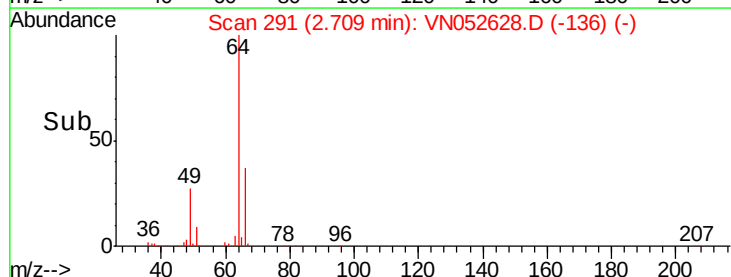
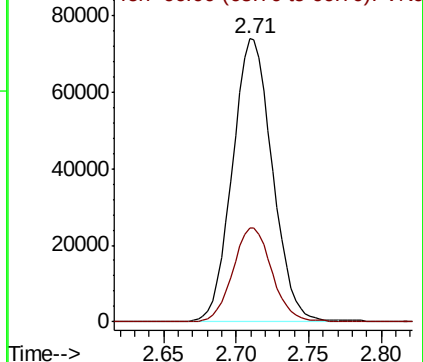
Ion Ratio Lower Upper

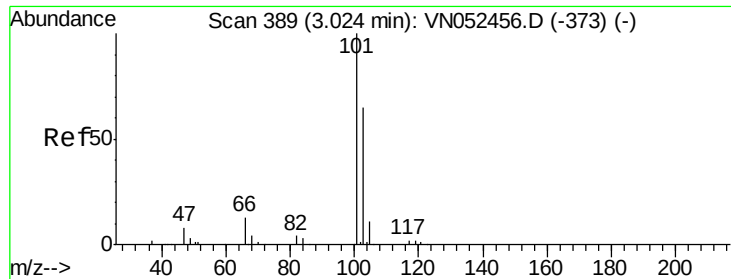
64 100

66 33.2 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VNO
Ion 66.00 (65.70 to 66.70): VNO



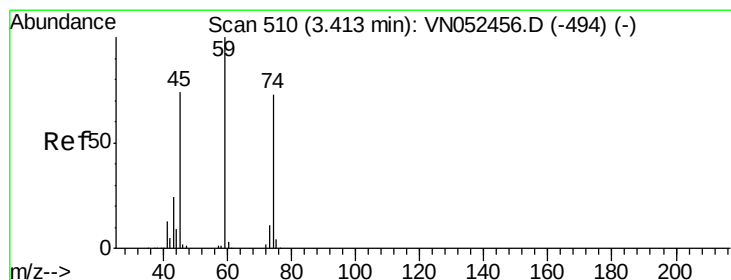
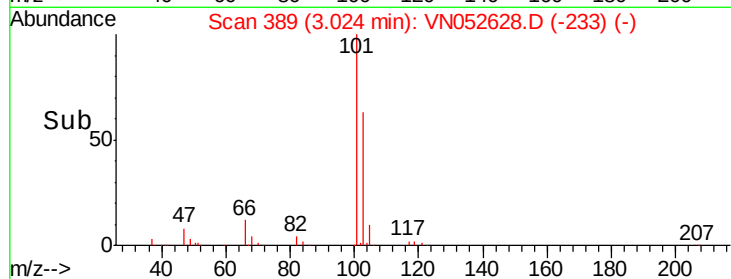
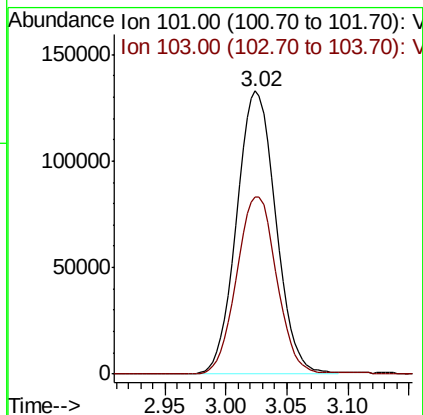
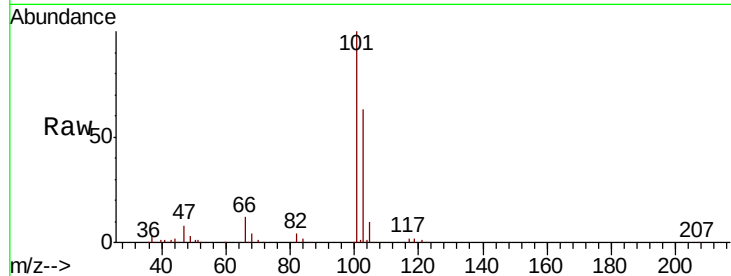


#7

Trichlorofluoromethane
 Concen: 20.024 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

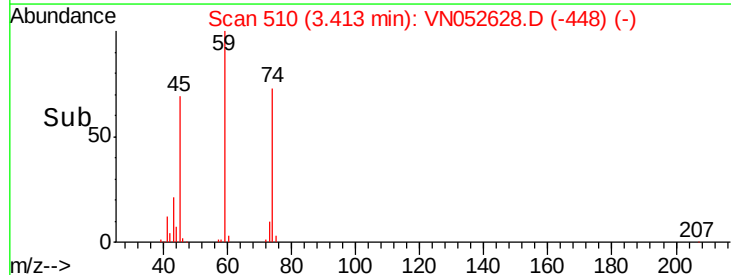
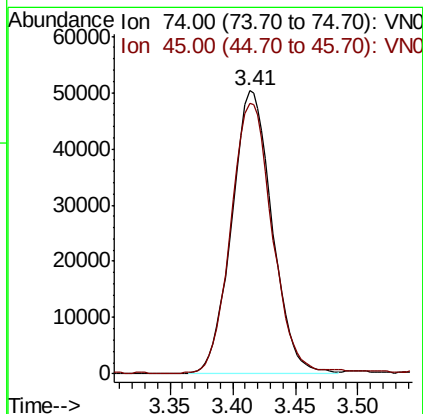
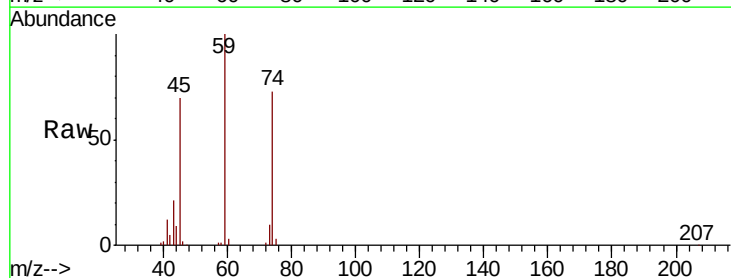
Tot Ion:101 Resp: 295657
 Ion Ratio Lower Upper
 101 100
 103 62.7 52.1 78.1

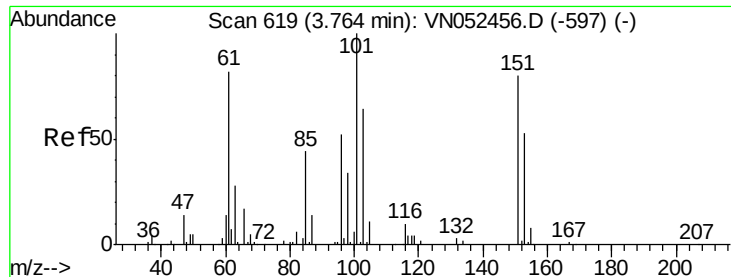


#8

Diethyl Ether
 Concen: 20.704 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

Tgt Ion: 74 Resp: 112875
 Ion Ratio Lower Upper
 74 100
 45 98.2 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.931 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

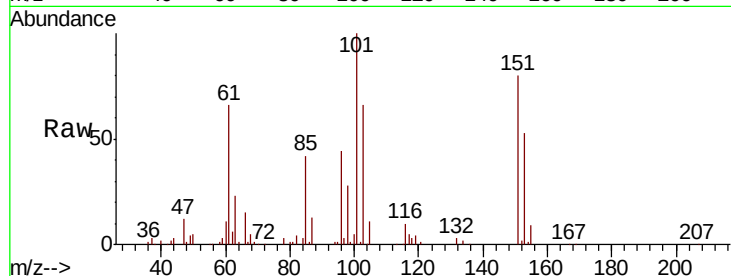
Tot Ion:101 Resp: 186553

Ion Ratio Lower Upper

101 100

85 42.3 0.0 82.6

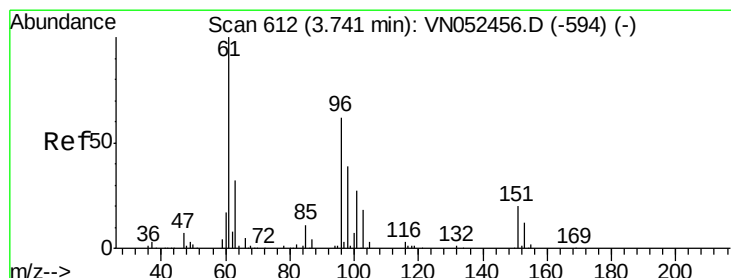
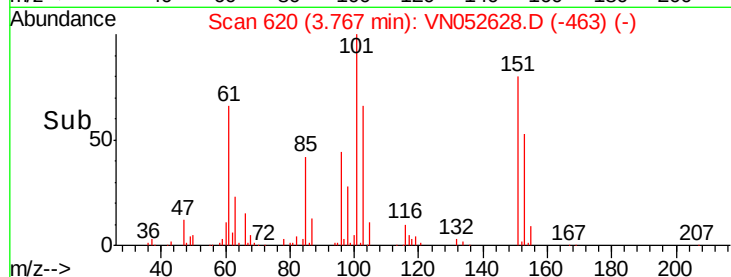
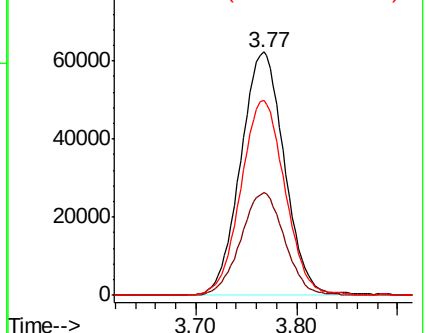
151 81.1 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.164 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

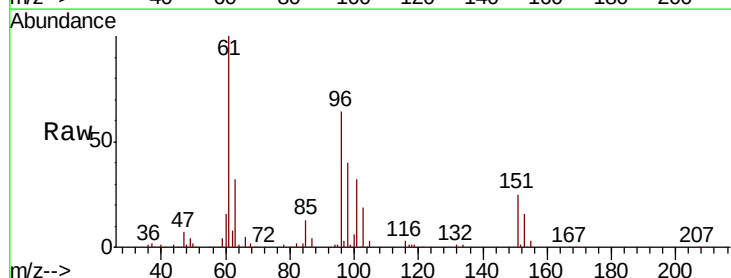
Tgt Ion: 96 Resp: 177449

Ion Ratio Lower Upper

96 100

61 156.1 129.4 194.2

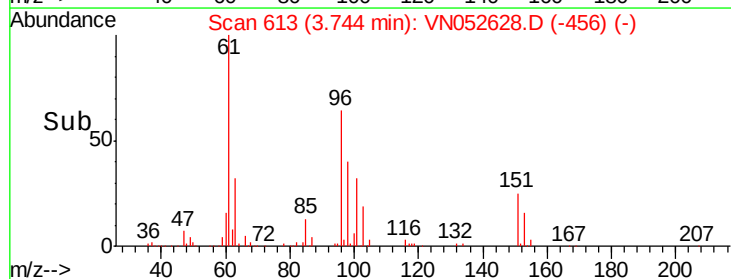
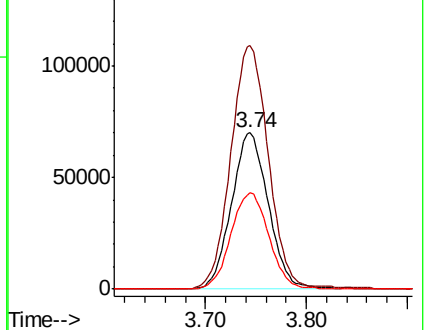
98 62.0 50.4 75.6

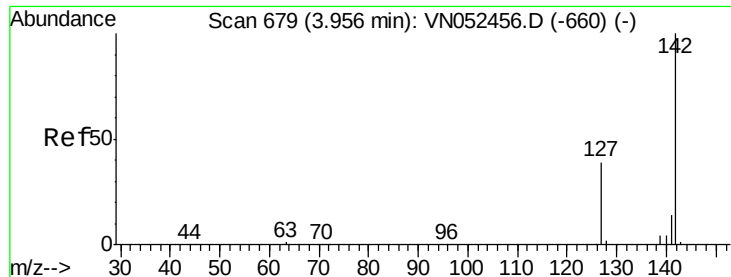


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

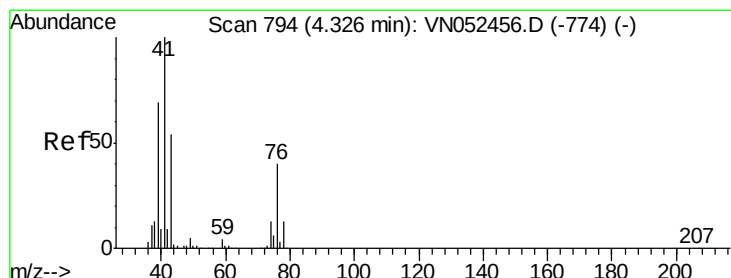
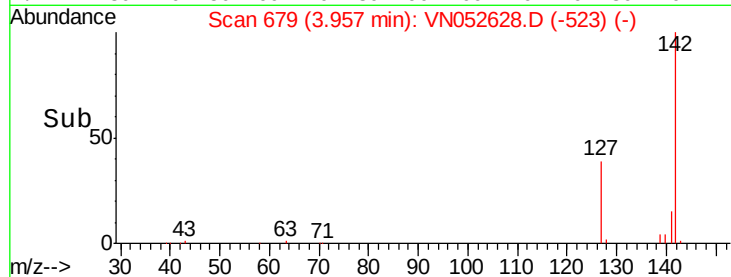
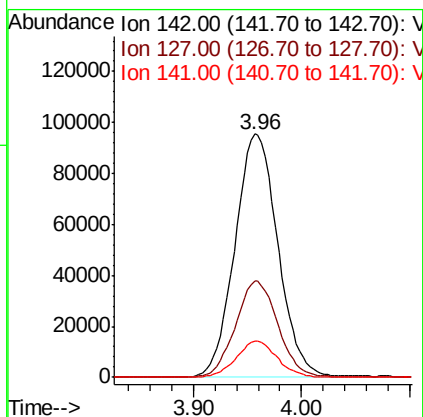
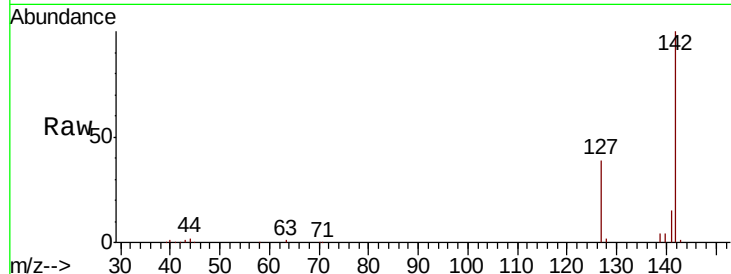




#11
Methvl Iodide
Concen: 21.655 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

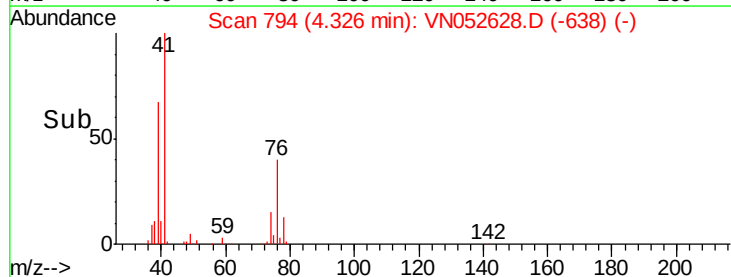
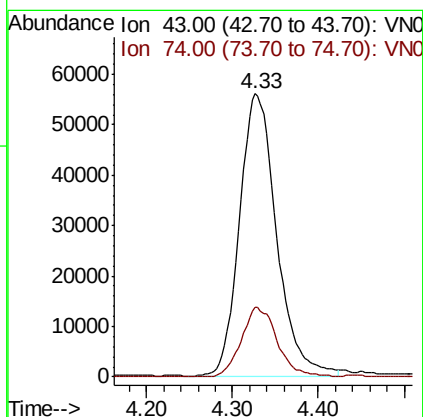
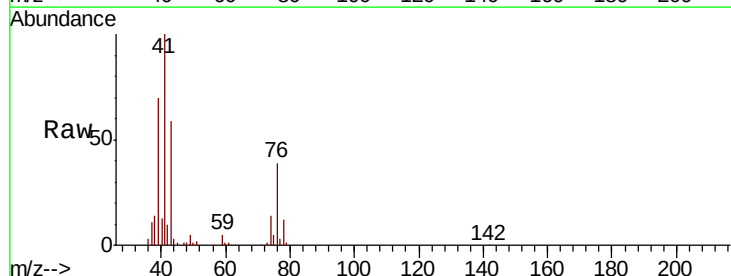
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

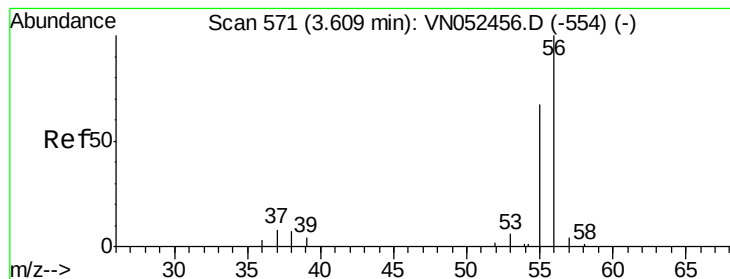
Tot Ion:142 Resp: 264593
Ion Ratio Lower Upper
142 100
127 39.5 19.4 58.1
141 15.0 7.2 21.6



#12
Methyl Acetate
Concen: 22.472 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

Tgt Ion: 43 Resp: 168030
Ion Ratio Lower Upper
43 100
74 24.7 18.9 28.3





#13

Acrolein

Concen: 85.378 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

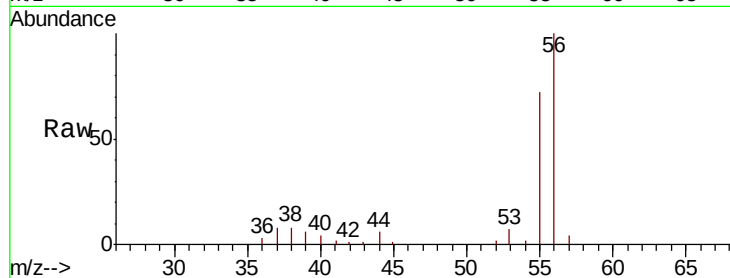
VSTDCCC020

Tot Ion: 56 Resp: 74991

Ion Ratio Lower Upper

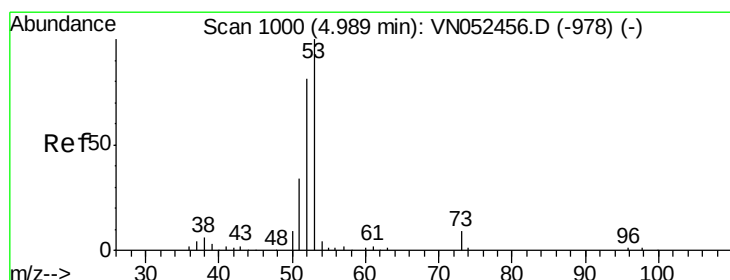
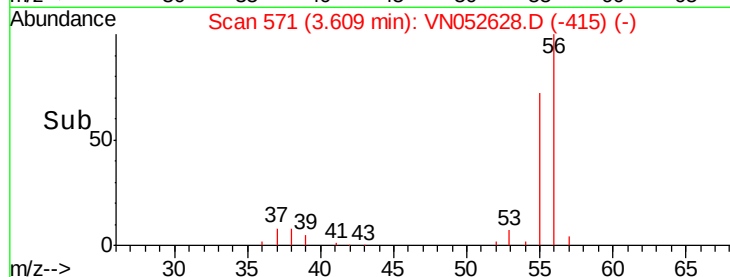
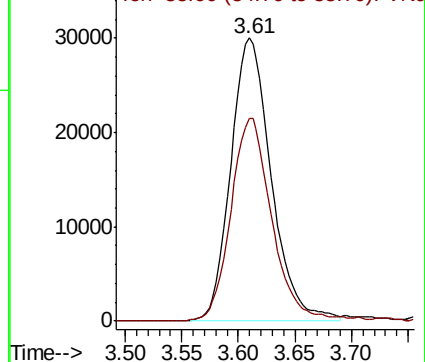
56 100

55 71.8 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 107.282 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

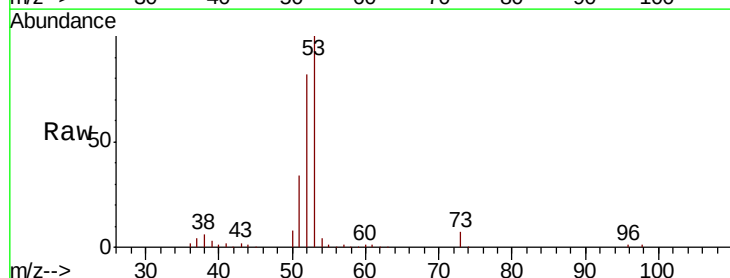
Tgt Ion: 53 Resp: 341801

Ion Ratio Lower Upper

53 100

52 81.0 39.9 119.7

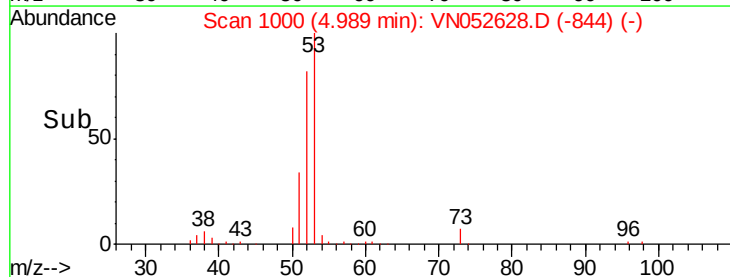
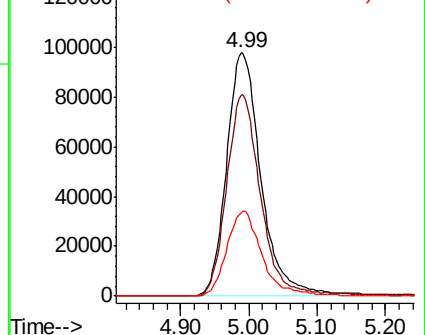
51 33.8 17.6 52.9

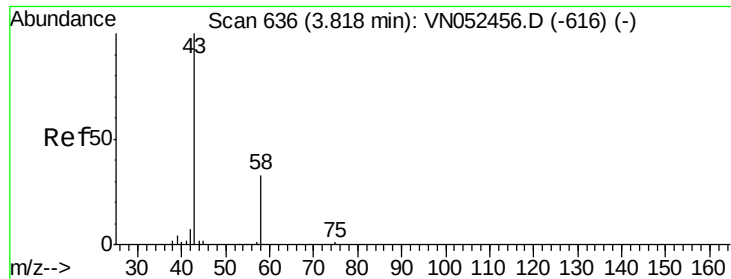


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 119.773 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

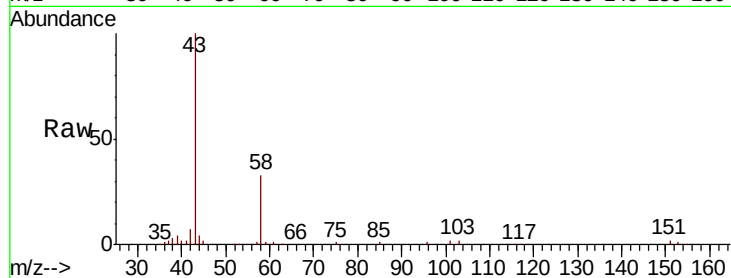
VSTDCCC020

Tot Ion: 58 Resp: 98825

Ion Ratio Lower Upper

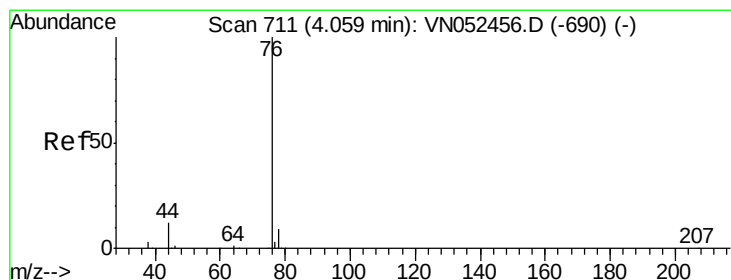
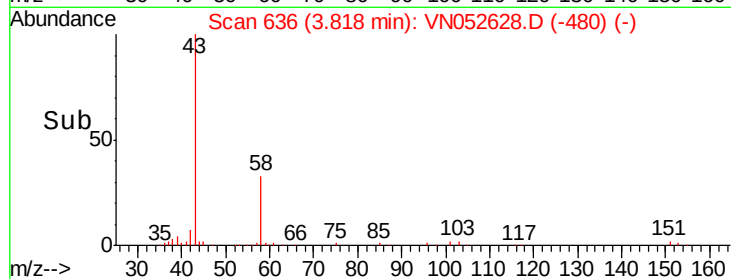
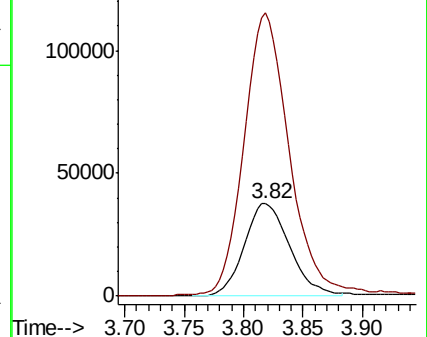
58 100

43 306.2 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.696 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052628.D

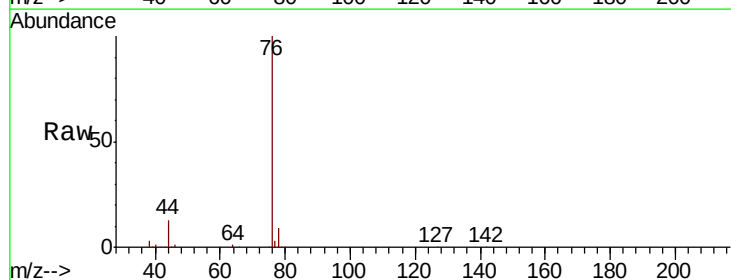
Acq: 3 Dec 2018 13:34

Tgt Ion: 76 Resp: 520910

Ion Ratio Lower Upper

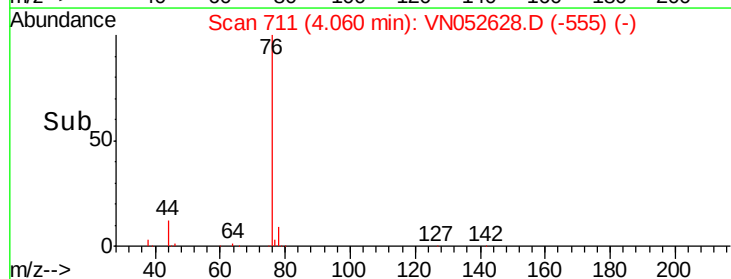
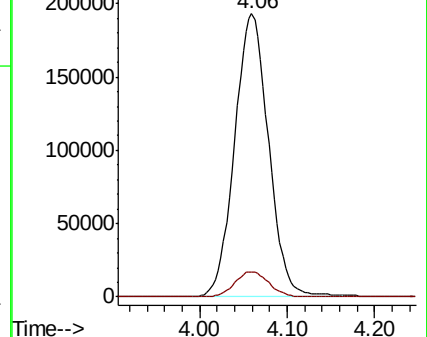
76 100

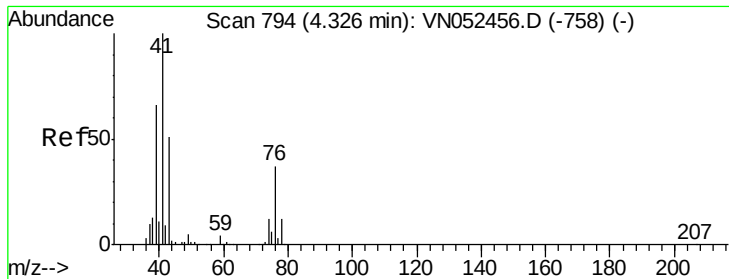
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

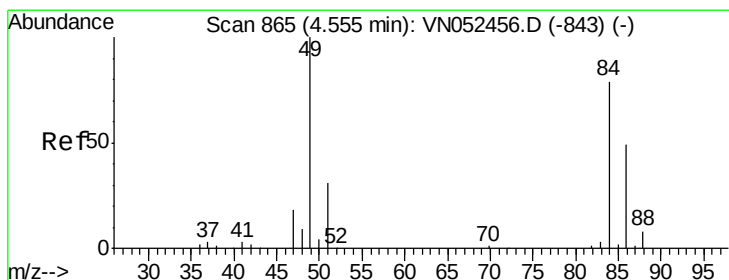
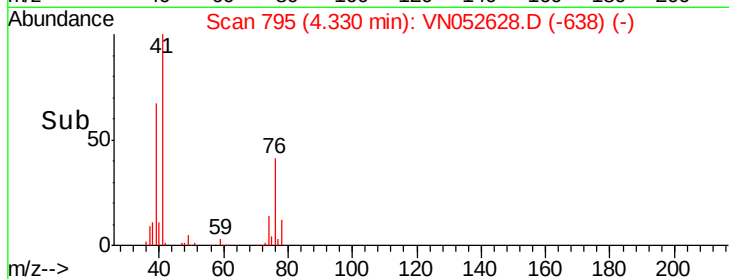
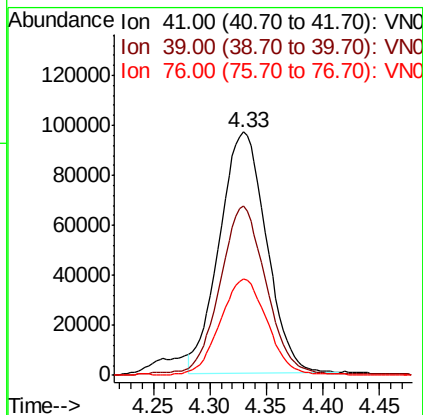
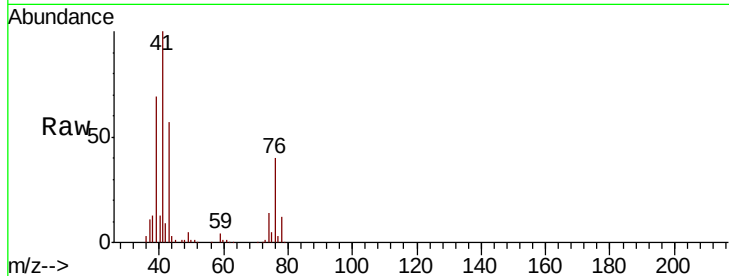




#17
Allvl chloride
Concen: 18.182 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

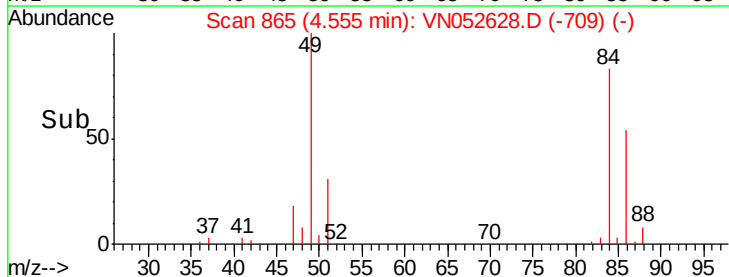
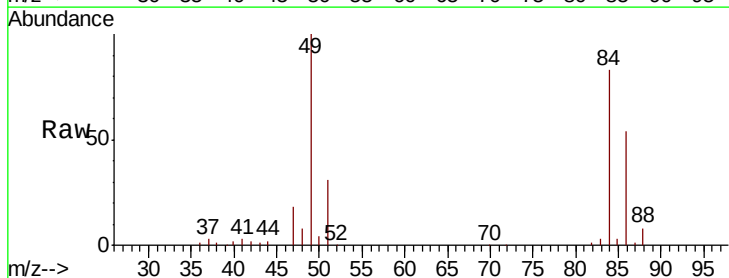
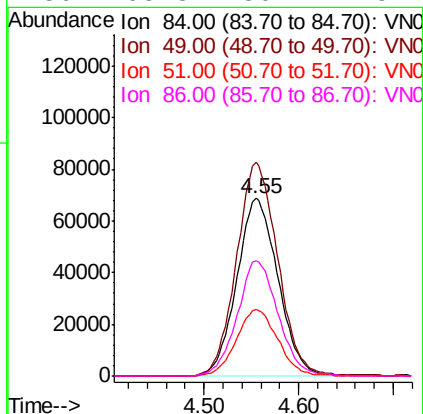
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

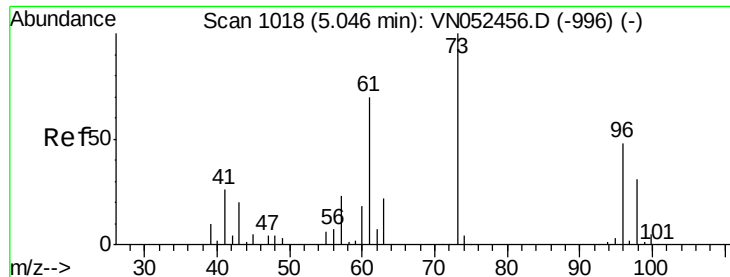
Tot Ion: 41 Resp: 279052
Ion Ratio Lower Upper
41 100
39 69.7 32.8 98.3
76 39.6 18.6 55.8



#18
Methylene Chloride
Concen: 20.414 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

Tgt Ion: 84 Resp: 208008
Ion Ratio Lower Upper
84 100
49 120.3 101.4 152.0
51 37.4 31.7 47.5
86 65.3 50.1 75.1

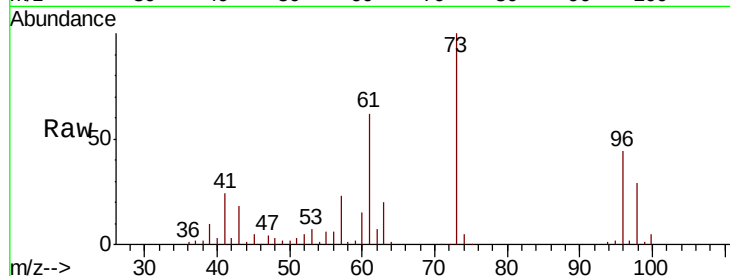




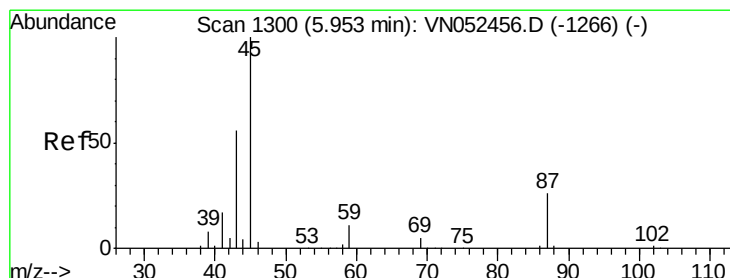
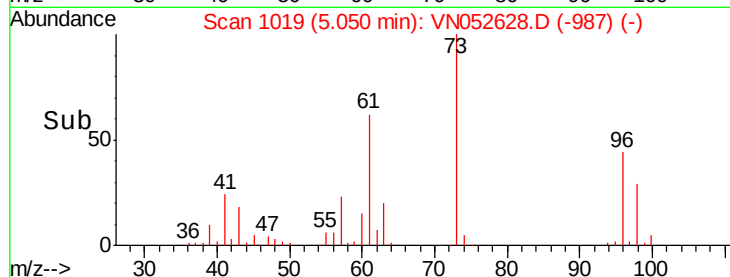
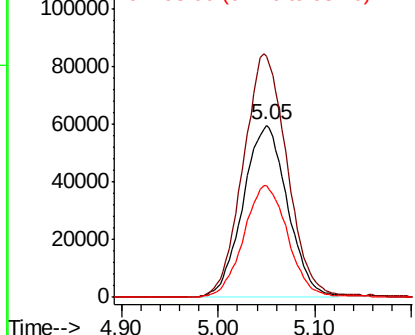
#19
trans-1,2-Dichloroethene
Concen: 20.128 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 96 Resp: 190623
Ion Ratio Lower Upper
96 100
61 139.4 118.2 177.4
98 64.7 51.4 77.2

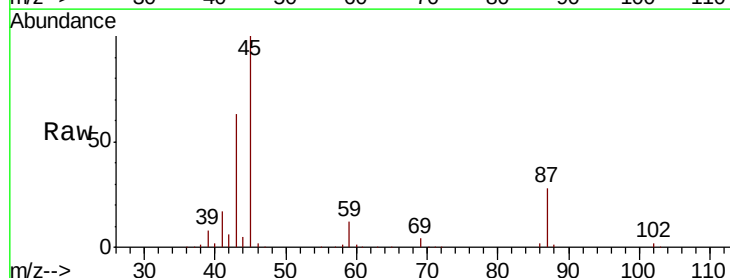


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

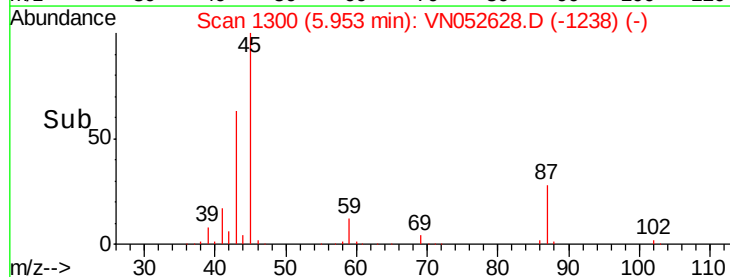
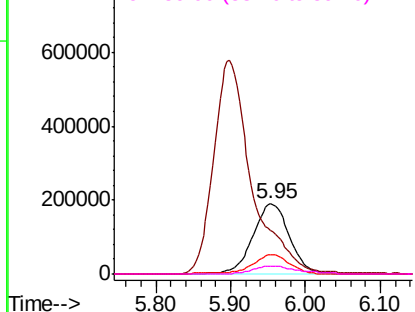


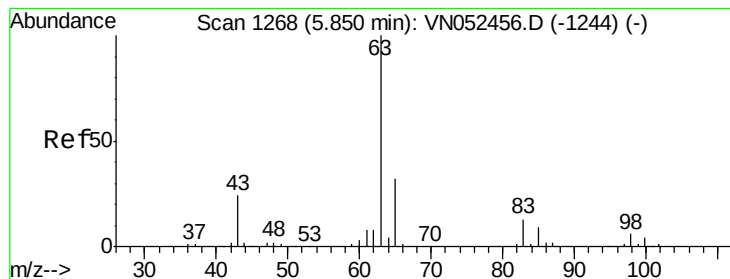
#20
Diisopropyl ether
Concen: 20.043 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

Tgt Ion: 45 Resp: 646453
Ion Ratio Lower Upper
45 100
43 60.2 47.8 71.8
87 27.5 21.3 31.9
59 11.4 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 20.240 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

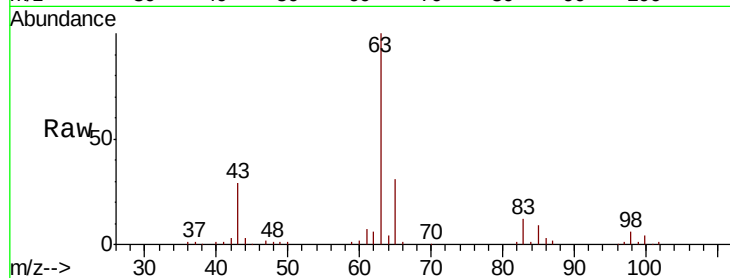
Tot Ion: 63 Resp: 372075

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

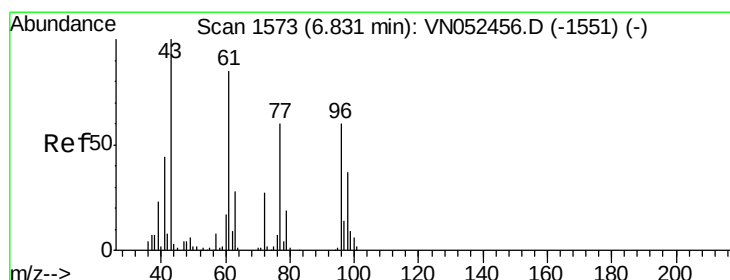
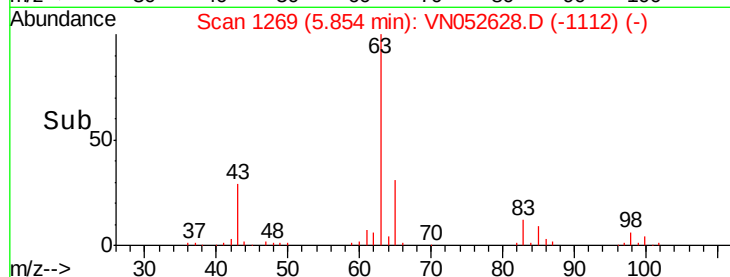
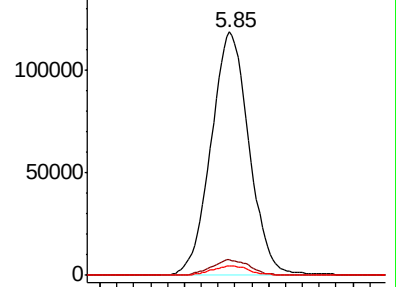
100 4.1 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN052456.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN052456.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN052456.D (-1244) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.433 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

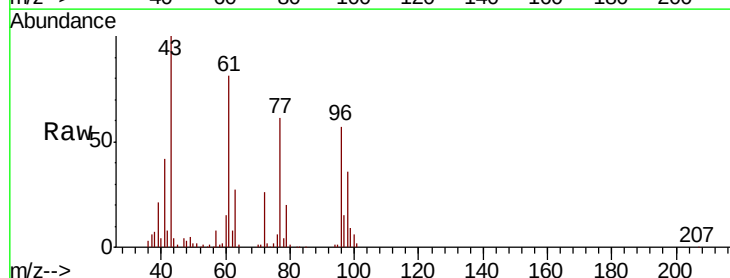
Tgt Ion: 96 Resp: 221783

Ion Ratio Lower Upper

96 100

61 144.3 116.7 175.1

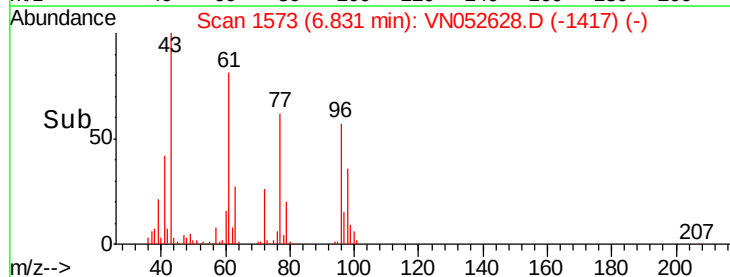
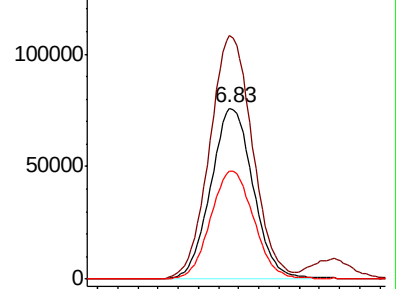
98 64.4 50.8 76.2

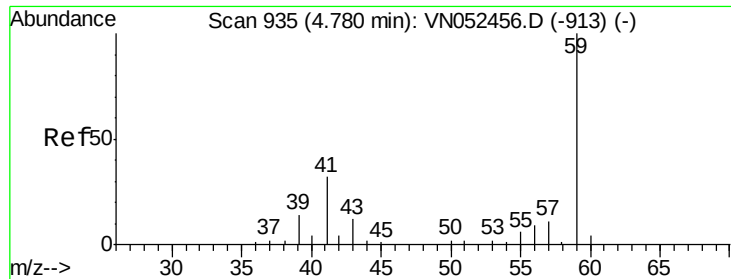


Abundance Ion 96.00 (95.70 to 96.70): VN052456.D (-1551) (-)

Ion 61.00 (60.70 to 61.70): VN052456.D (-1551) (-)

Ion 98.00 (97.70 to 98.70): VN052456.D (-1551) (-)



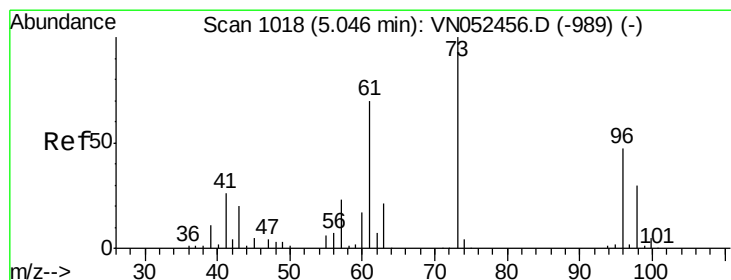
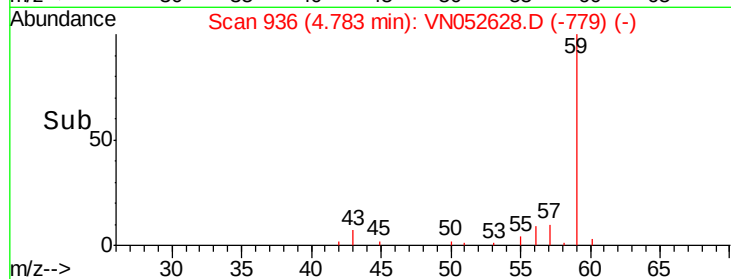
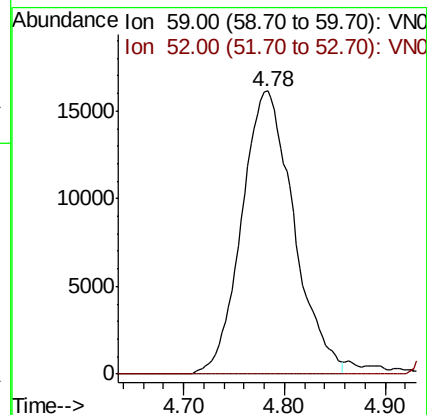
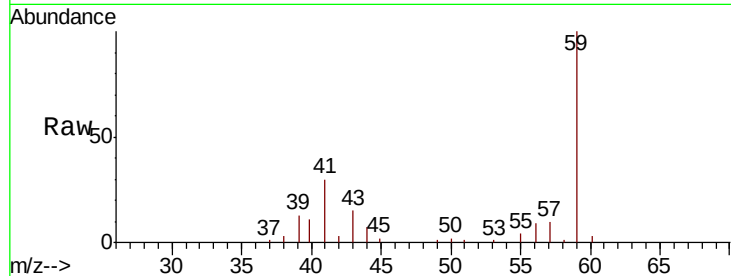


#23

tert-Butyl Alcohol
 Concen: 121.975 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

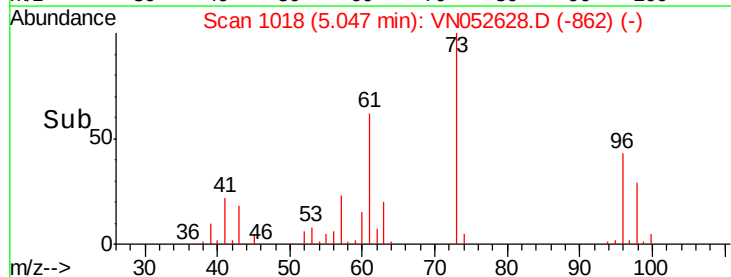
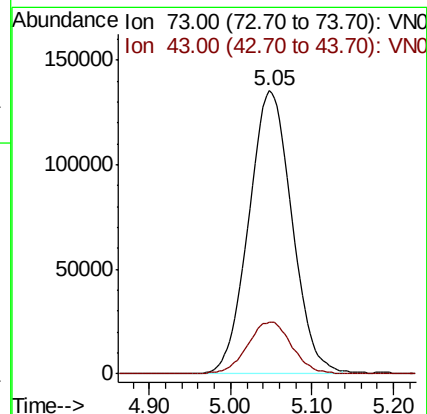
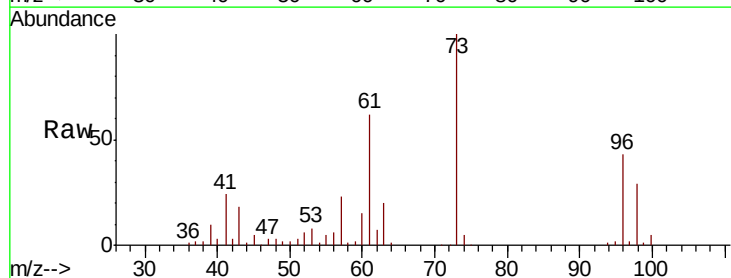
Tot Ion: 59 Resp: 57810
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

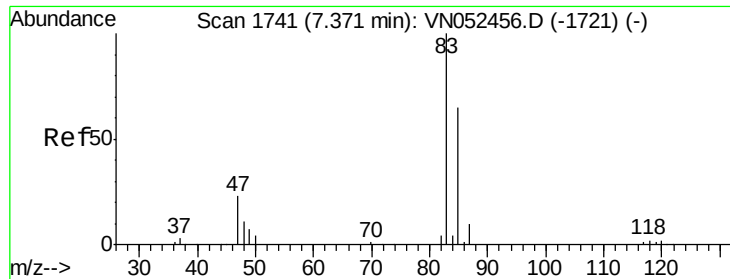


#24

Methyl tert-Butyl Ether
 Concen: 21.583 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

Tgt Ion: 73 Resp: 498293
 Ion Ratio Lower Upper
 73 100
 43 18.5 15.8 23.8

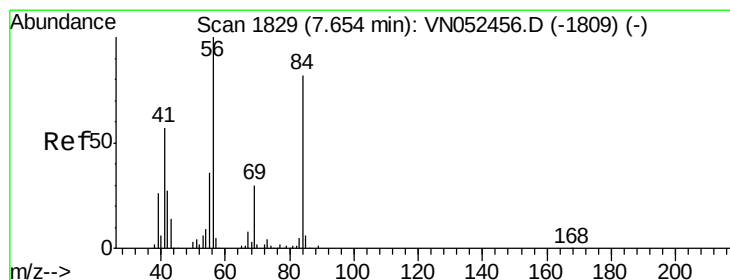
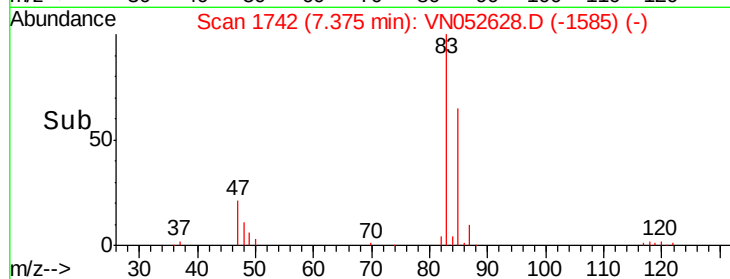
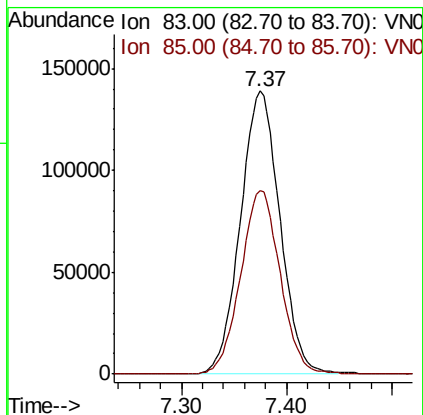
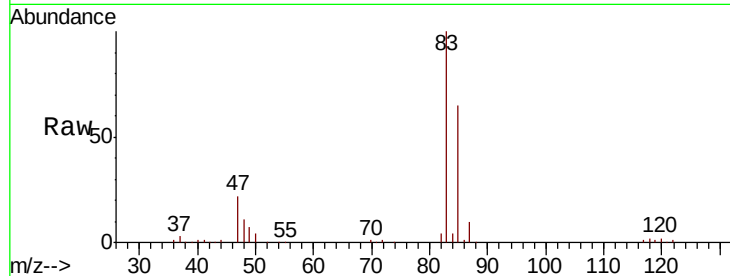




#25
Chloroform
Concen: 20.442 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

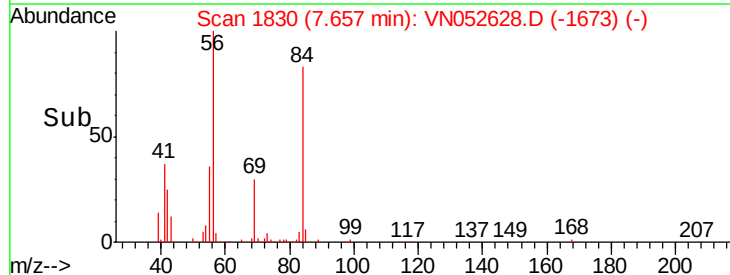
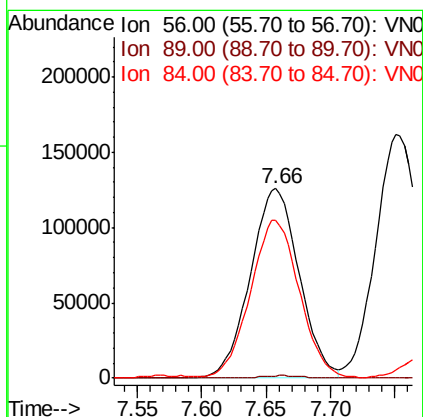
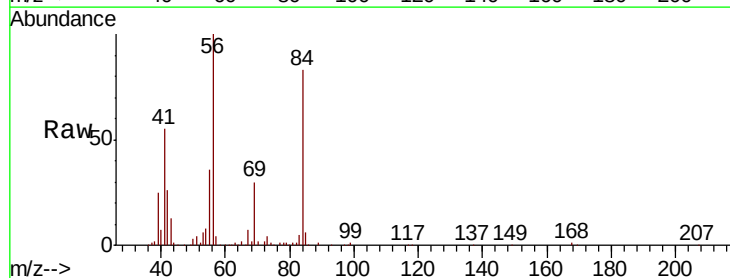
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

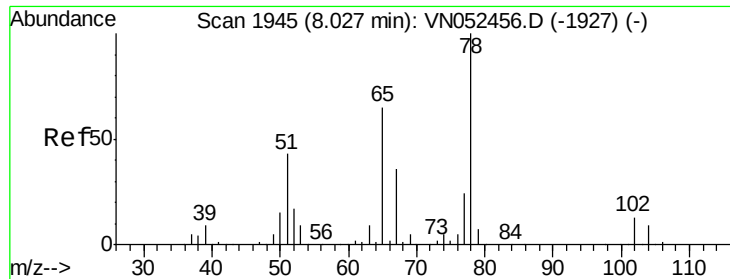
Tot Ion: 83 Resp: 362520
Ion Ratio Lower Upper
83 100
85 65.0 51.7 77.5



#26
Cyclohexane
Concen: 19.172 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

Tgt Ion: 56 Resp: 332404
Ion Ratio Lower Upper
56 100
89 1.1 0.5 0.7#
84 83.8 66.2 99.2

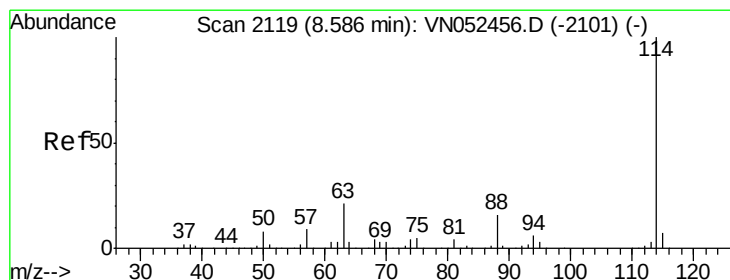
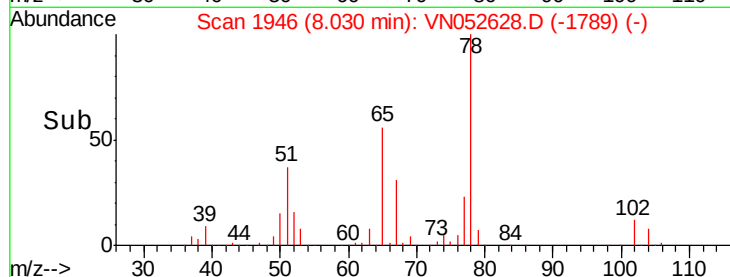
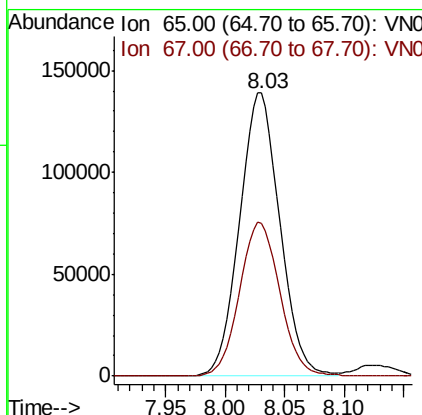
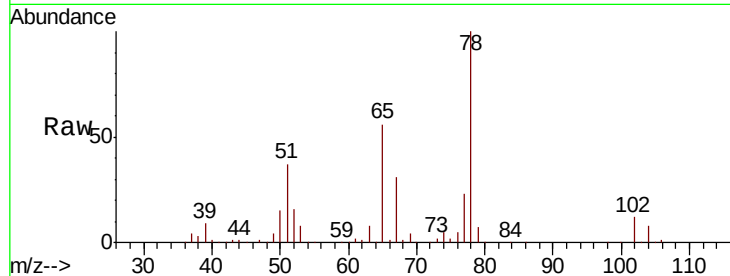




#27
 1,2-Dichloroethane-d4
 Concen: 19.172 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

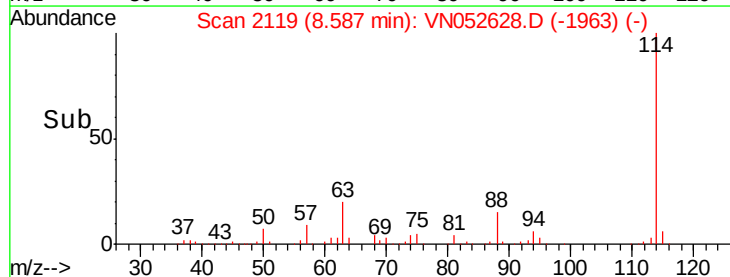
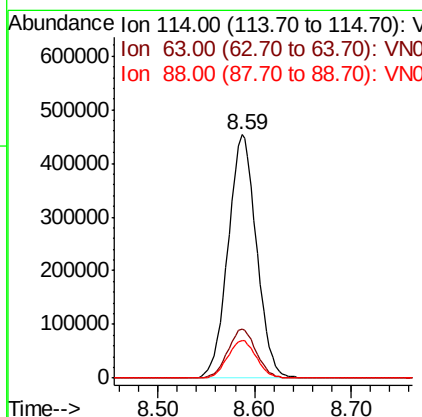
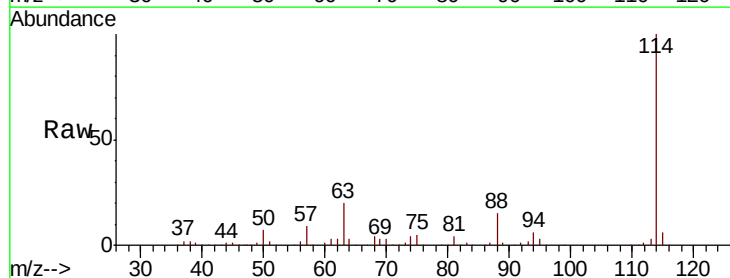
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

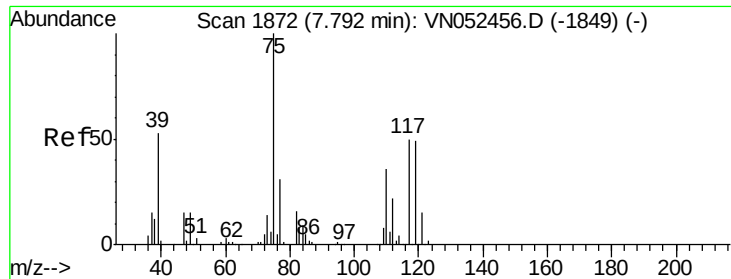
Tot Ion: 65 Resp: 325911
 Ion Ratio Lower Upper
 65 100
 67 54.7 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

Tgt Ion: 114 Resp: 925913
 Ion Ratio Lower Upper
 114 100
 63 20.1 16.9 25.3
 88 15.7 12.8 19.2

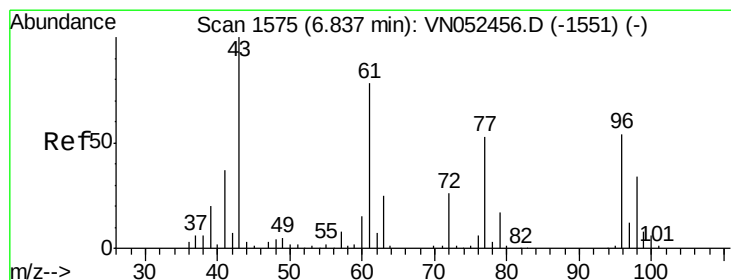
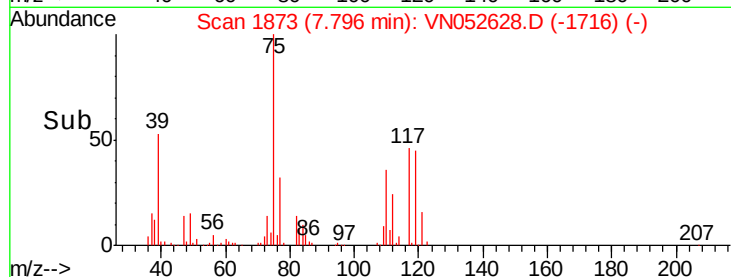
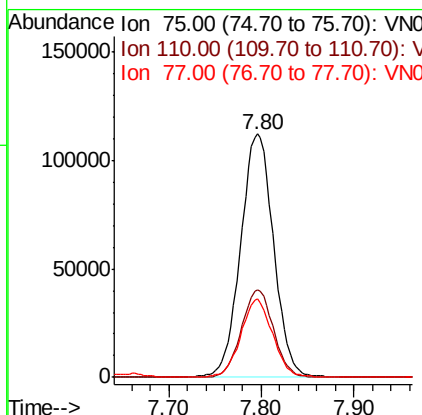
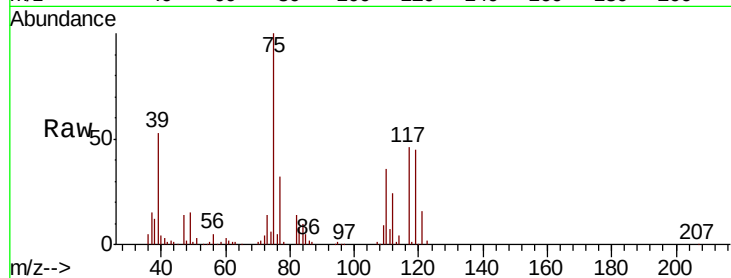




#29
 1,1-Dichloropropene
 Concen: 19.623 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

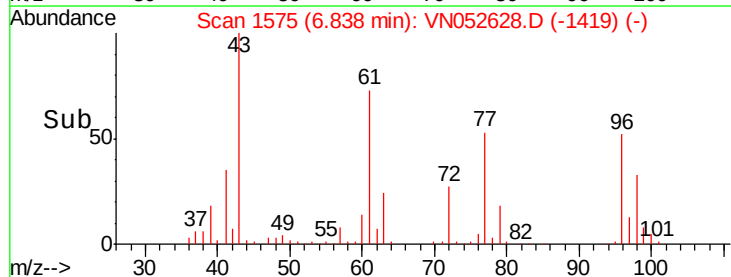
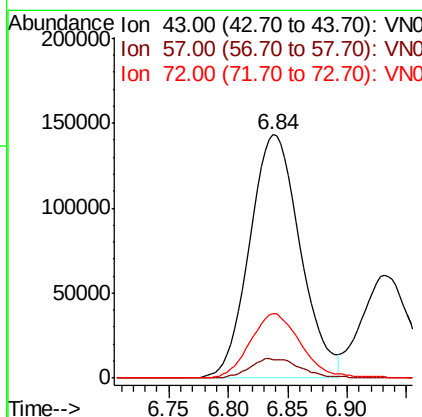
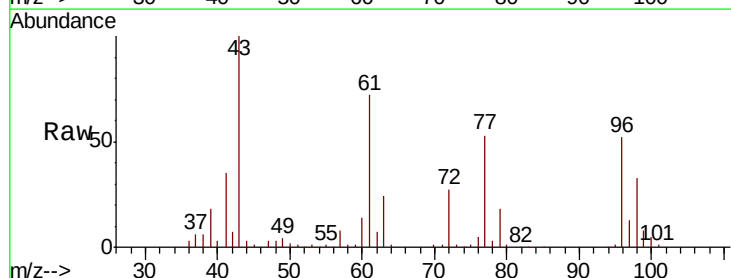
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

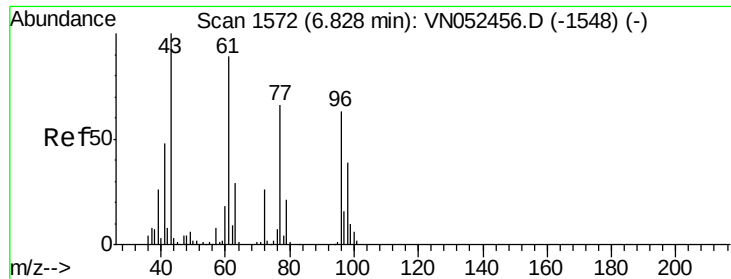
Tot Ion	Ratio	Lower	Upper
75	100		
110	34.9	0.0	70.2
77	31.1	0.0	62.6



#30
 2-Butanone
 Concen: 111.011 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.2	9.4
72	26.6	21.0	31.6

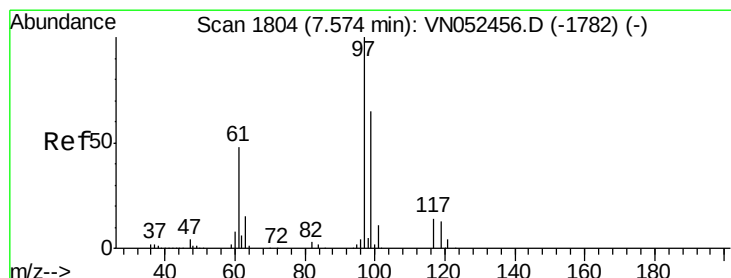
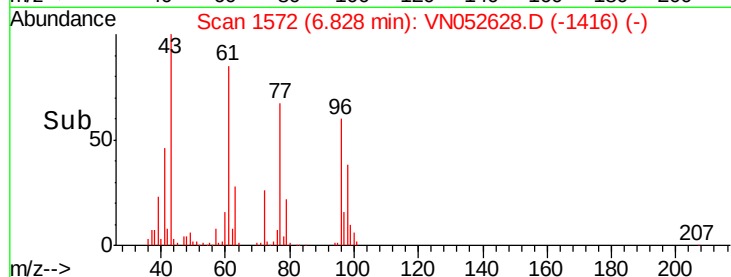
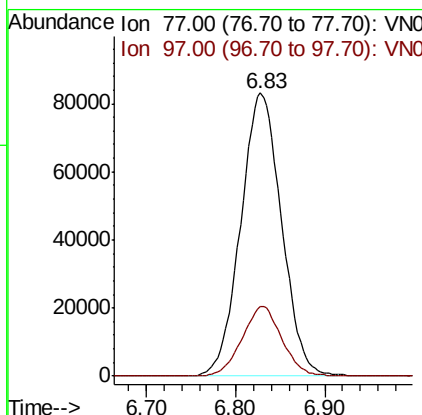
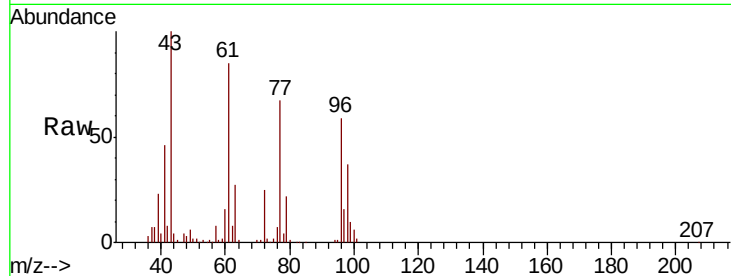




#31
 2,2-Dichloropropane
 Concen: 20.308 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

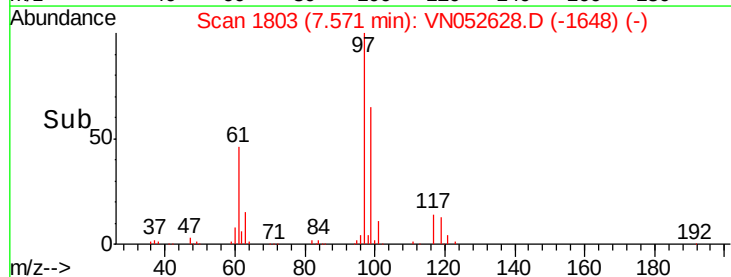
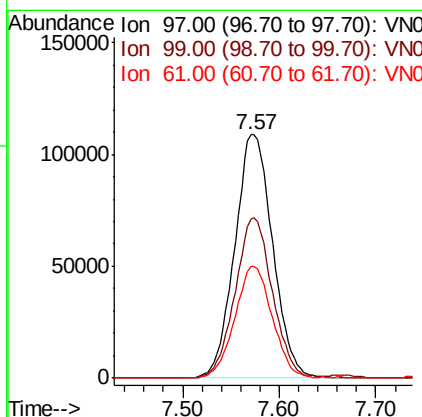
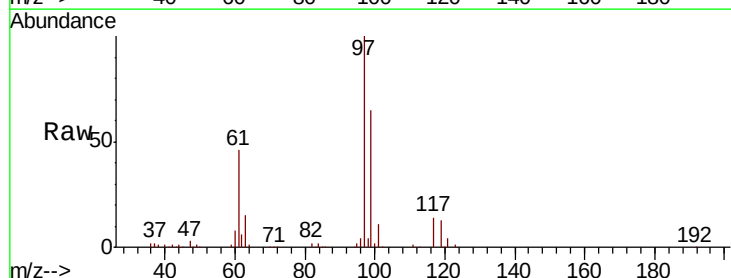
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

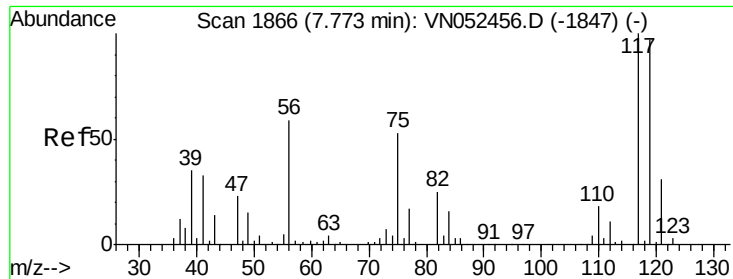
Tot Ion: 77 Resp: 264357
 Ion Ratio Lower Upper
 77 100
 97 24.0 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 20.165 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

Tgt Ion: 97 Resp: 296676
 Ion Ratio Lower Upper
 97 100
 99 64.7 50.9 76.3
 61 45.3 38.1 57.1

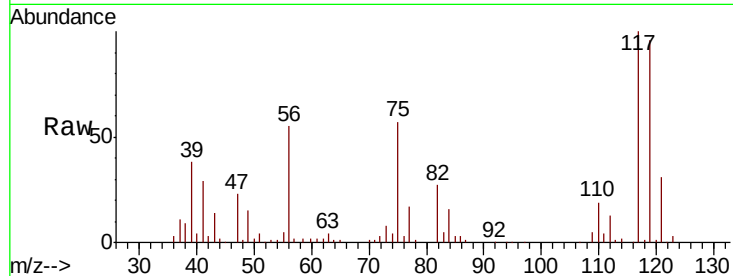




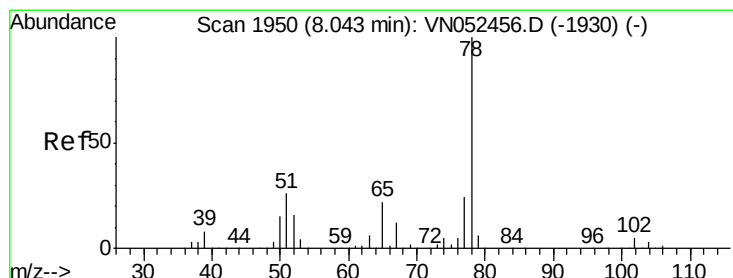
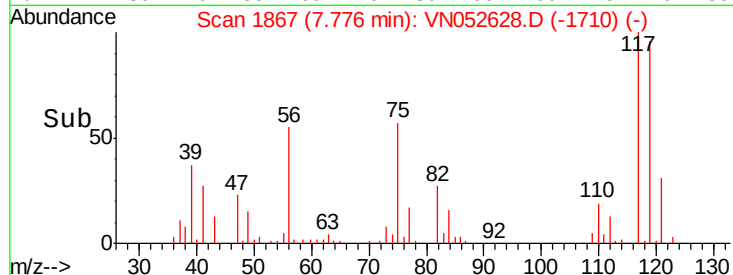
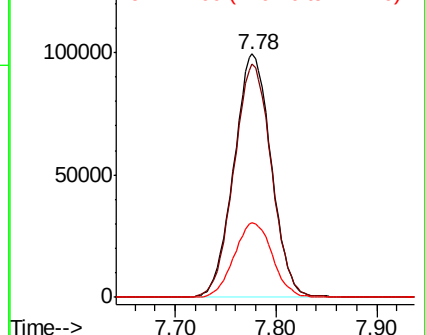
#33
Carbon Tetrachloride
Concen: 19.843 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:117 Resp: 255439
Ion Ratio Lower Upper
117 100
119 95.6 77.3 115.9
121 30.7 24.9 37.3

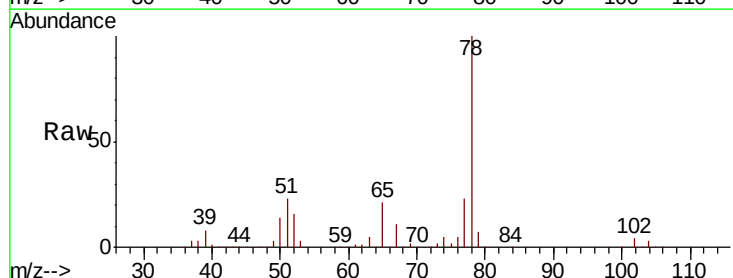


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

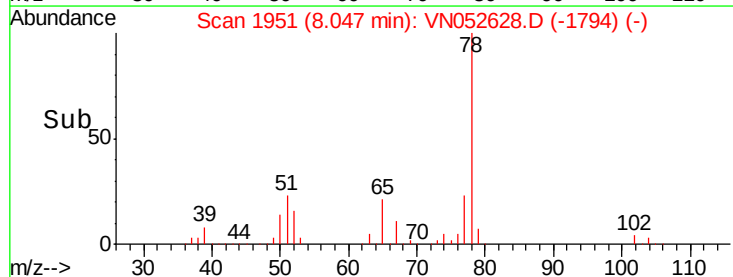
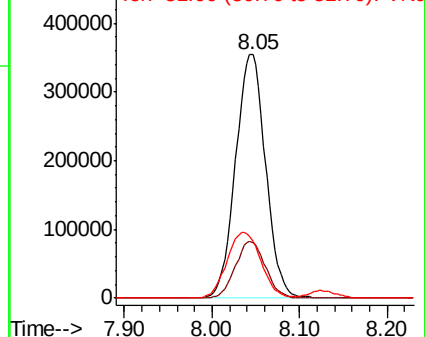


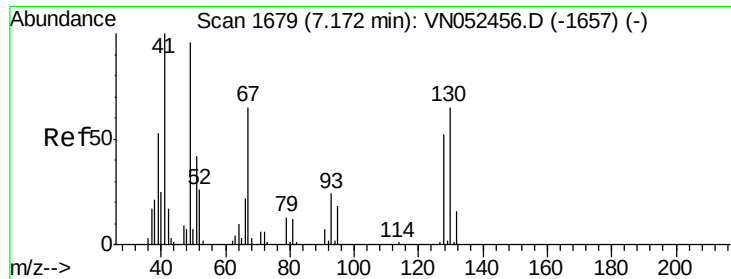
#34
Benzene
Concen: 19.882 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

Tgt Ion: 78 Resp: 845210
Ion Ratio Lower Upper
78 100
77 22.9 19.0 28.6
51 23.4 20.5 30.7



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

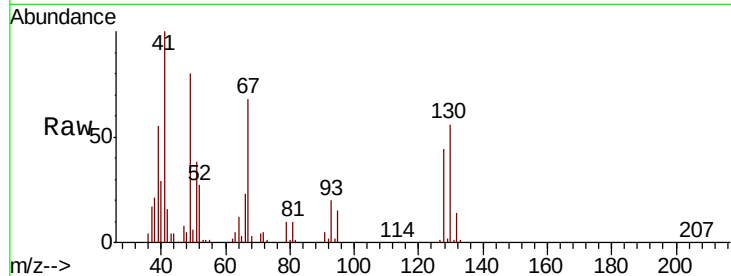




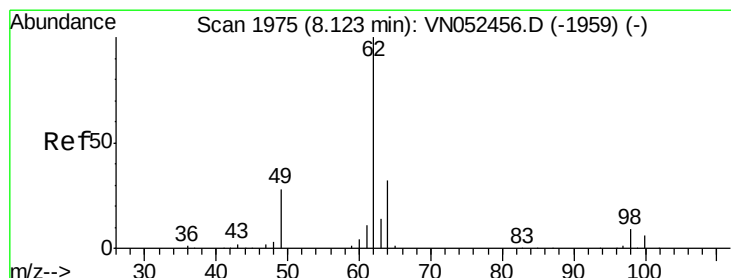
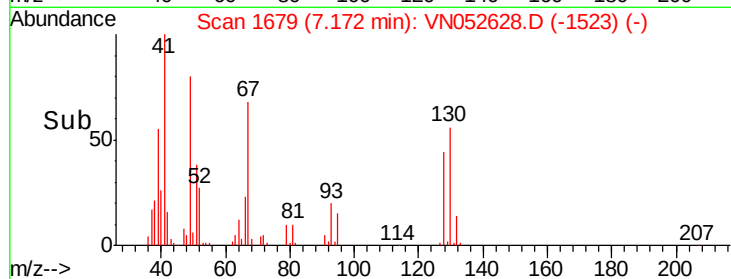
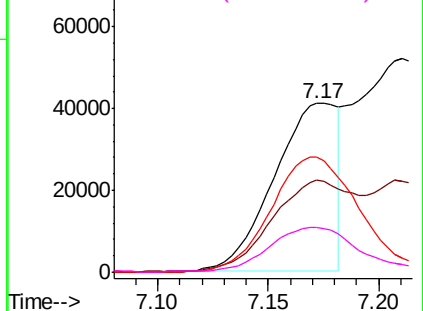
#35
Methacrylonitrile
Concen: 17.400 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	81680
Ion	Ratio	Lower	Upper
41	100		
39	54.5	26.6	79.7
67	68.4	32.3	96.9
52	26.4	13.0	38.9

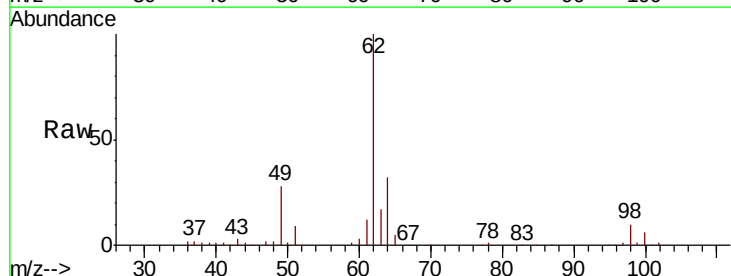


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

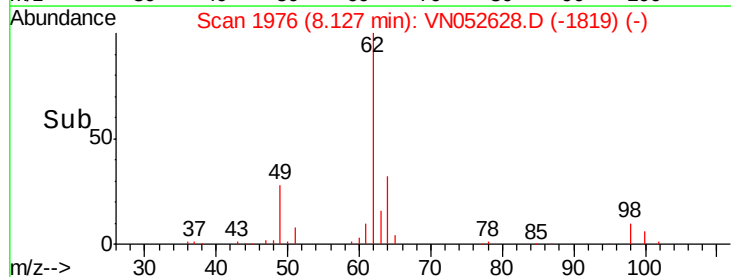
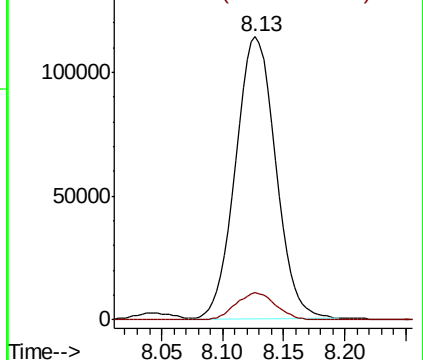


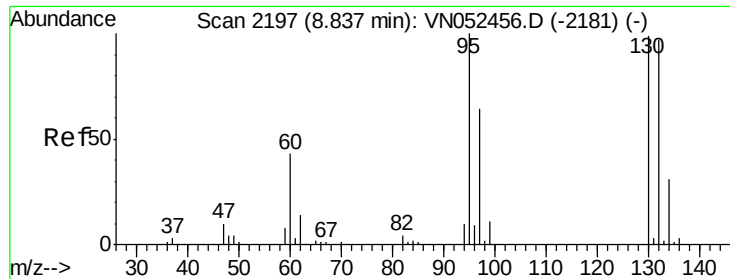
#36
1,2-Dichloroethane
Concen: 20.172 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

Tgt Ion:	62	Resp:	259863
Ion	Ratio	Lower	Upper
62	100		
98	9.5	7.4	11.2



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

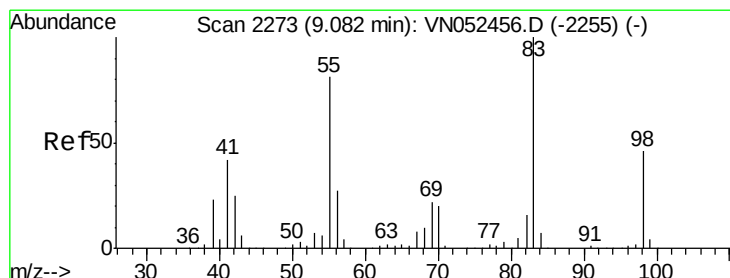
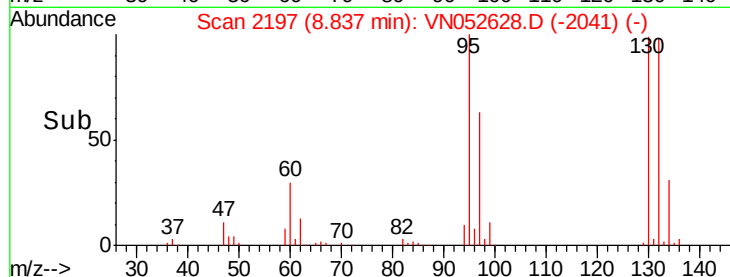
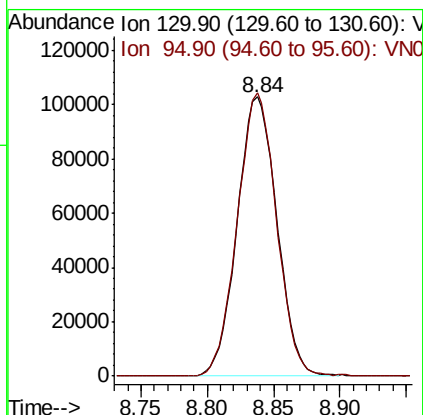
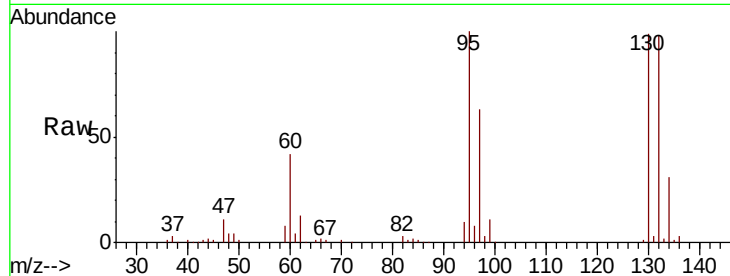




#37
 Trichloroethene
 Concen: 19.869 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

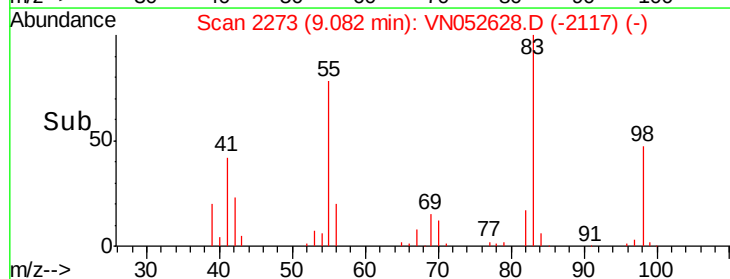
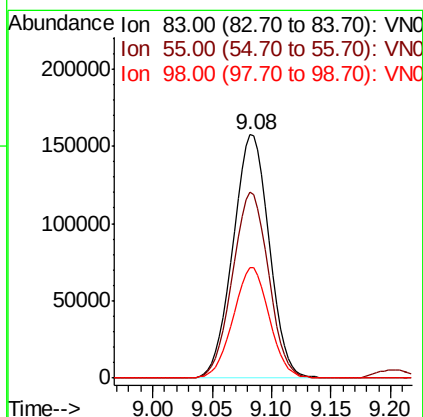
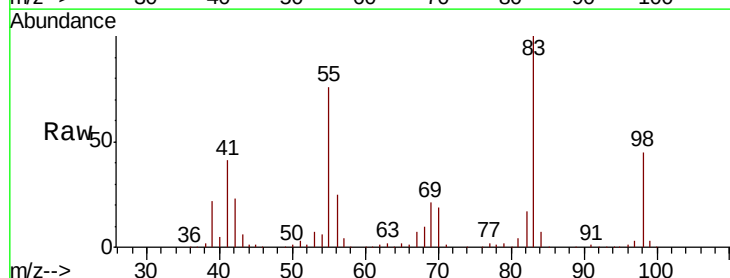
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

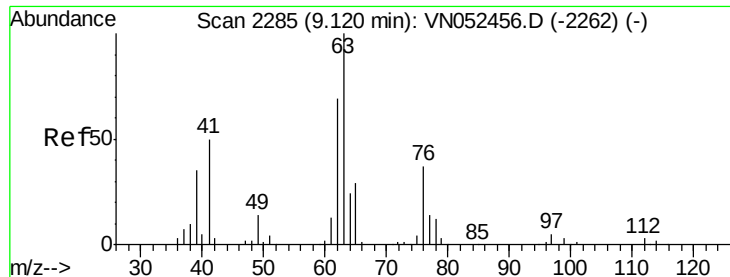
Tot Ion:130 Resp: 214190
 Ion Ratio Lower Upper
 130 100
 95 101.5 81.0 121.4



#38
 Methylcyclohexane
 Concen: 18.993 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

Tgt Ion: 83 Resp: 332449
 Ion Ratio Lower Upper
 83 100
 55 76.2 39.8 119.4
 98 45.3 22.9 68.5

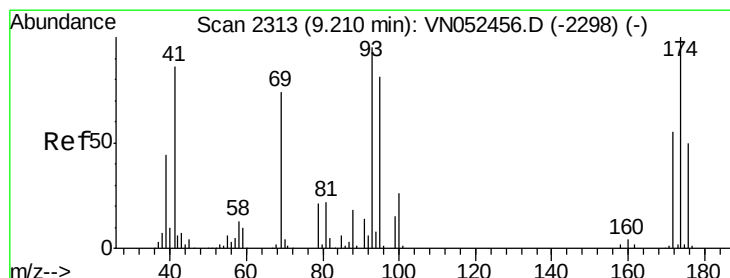
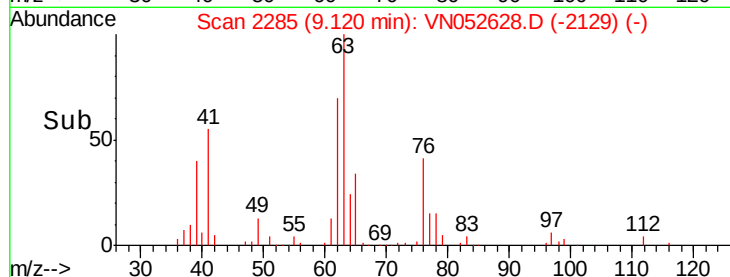
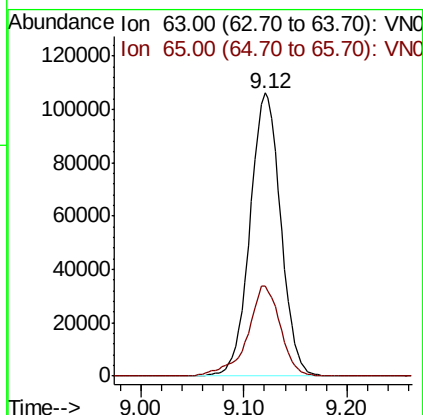
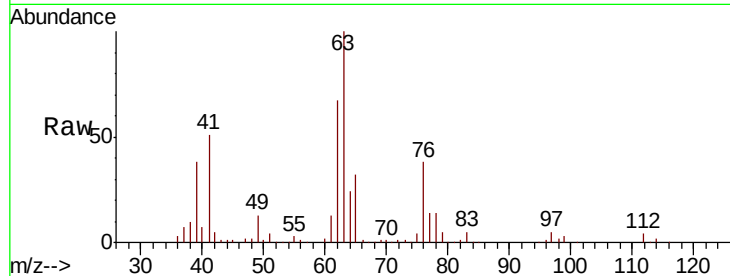




#39
 1,2-Dichloropropane
 Concen: 19.252 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

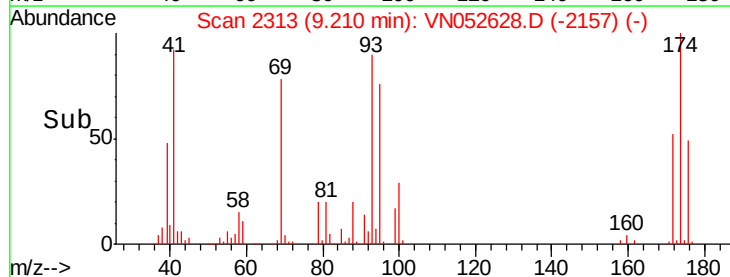
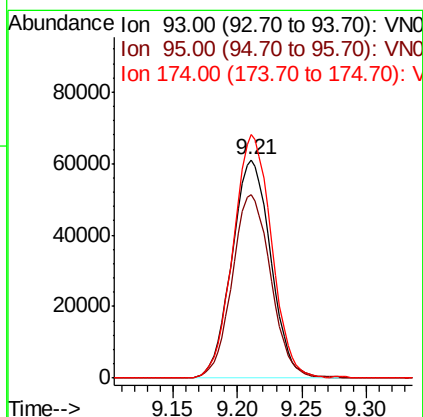
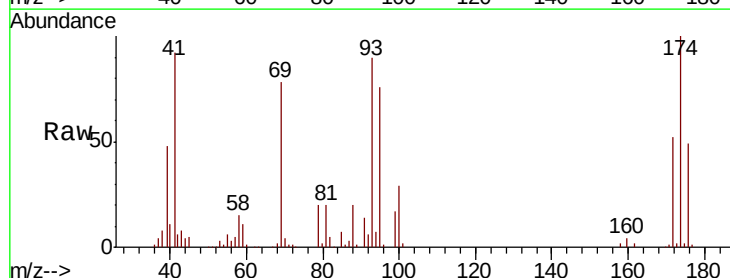
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

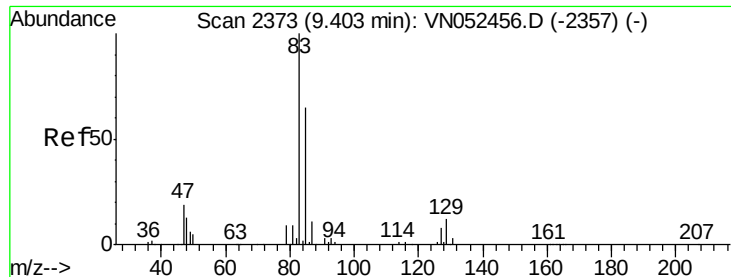
Tot Ion: 63 Resp: 219385
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.6 35.4



#40
 Dibromomethane
 Concen: 20.811 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

Tgt Ion: 93 Resp: 128153
 Ion Ratio Lower Upper
 93 100
 95 83.3 0.0 168.4
 174 109.9 0.0 210.0





#41

Bromodichloromethane

Concen: 19.775 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

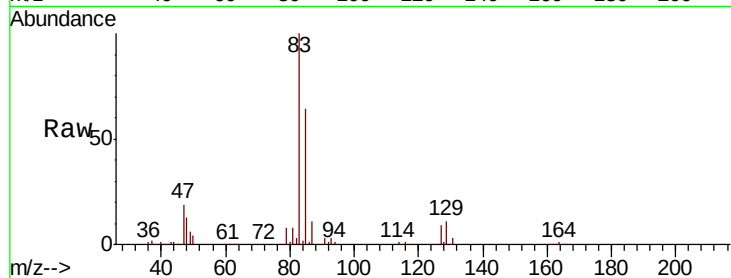
Tot Ion: 83 Resp: 269045

Ion Ratio Lower Upper

83 100

85 64.4 52.4 78.6

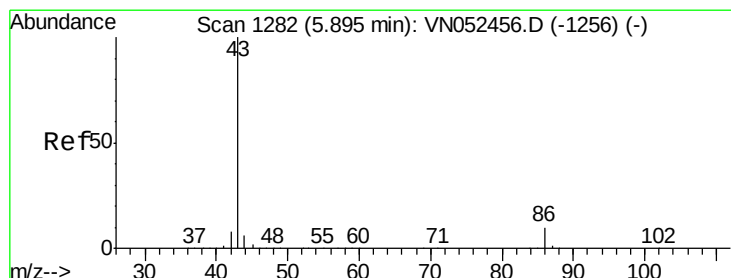
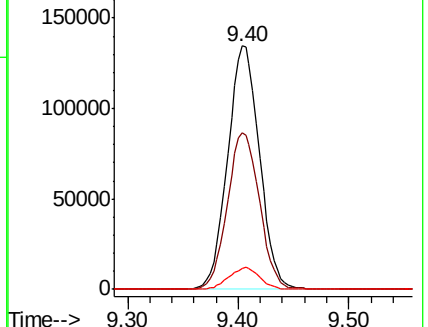
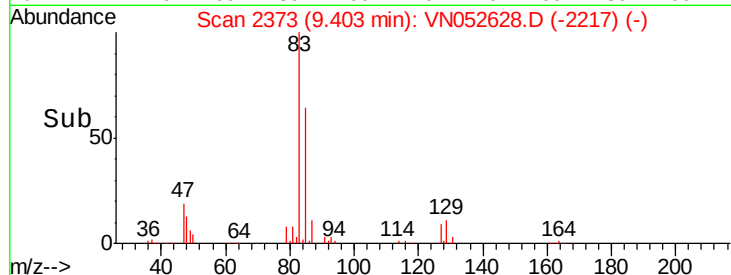
127 8.5 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN052628.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN052628.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN052628.D (-2217) (-)



#42

Vinyl Acetate

Concen: 99.467 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052628.D

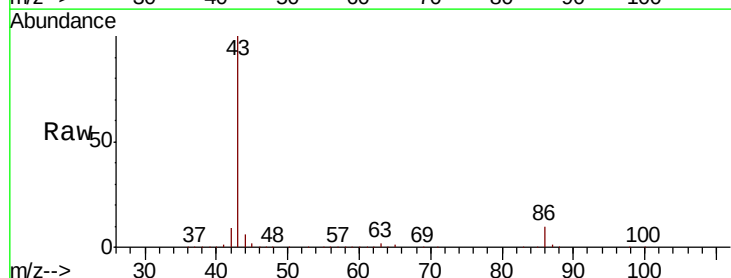
Acq: 3 Dec 2018 13:34

Tgt Ion: 43 Resp: 2036223

Ion Ratio Lower Upper

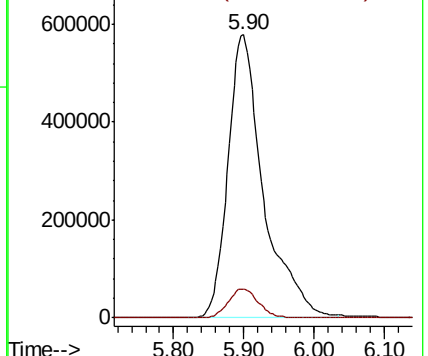
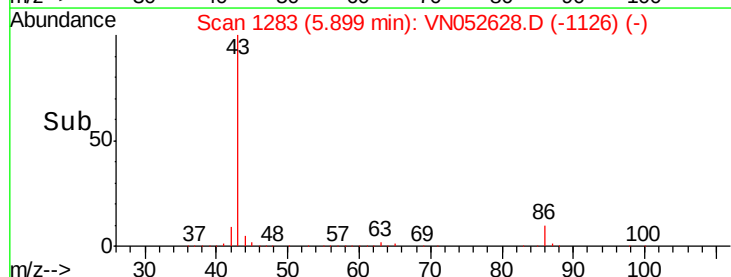
43 100

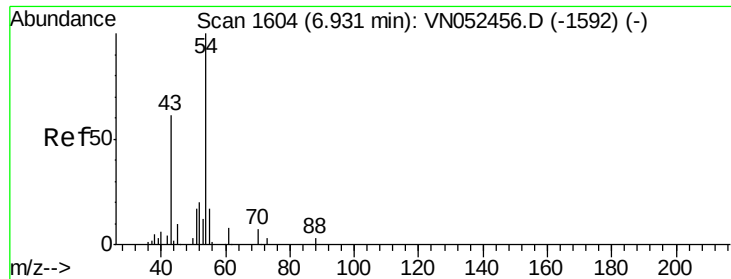
86 8.9 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN052628.D (-1126) (-)

Ion 86.00 (85.70 to 86.70): VN052628.D (-1126) (-)

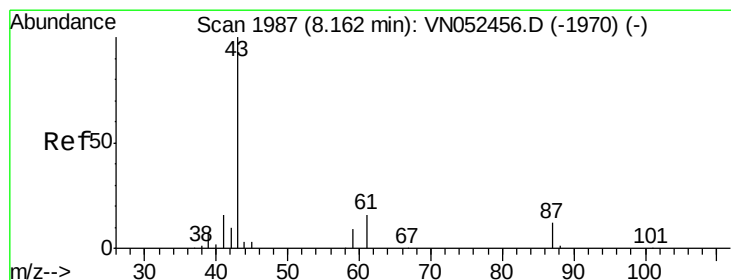
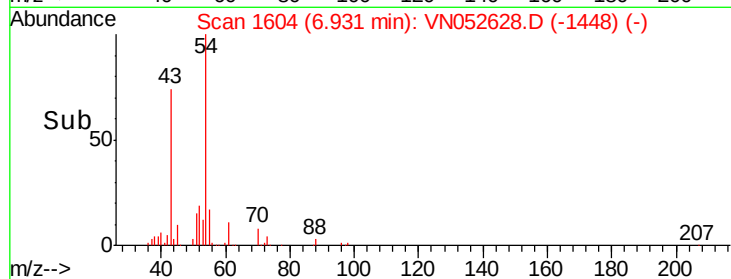
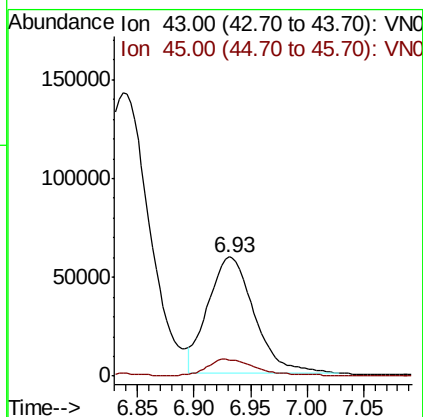
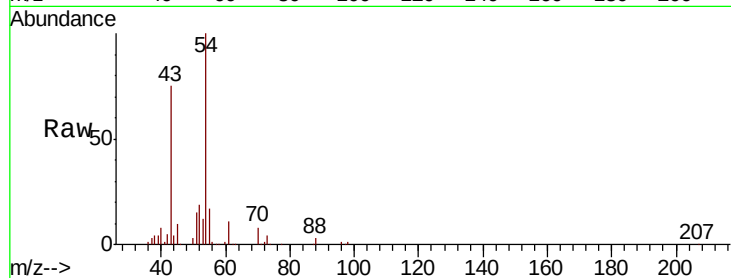




#43
Ethyl Acetate
Concen: 20.863 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

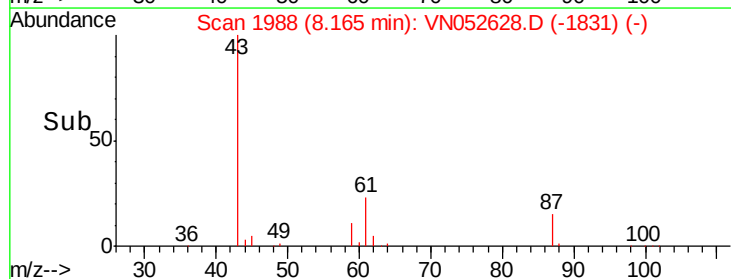
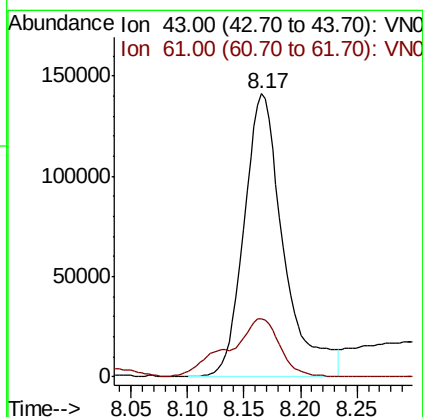
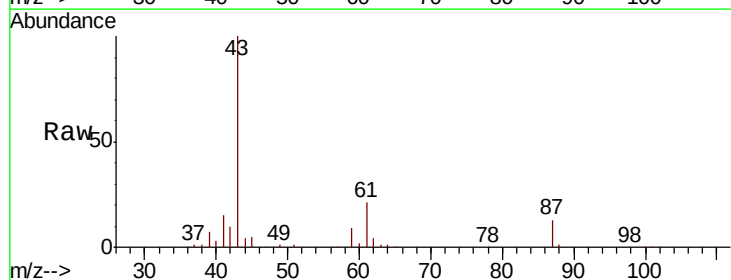
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

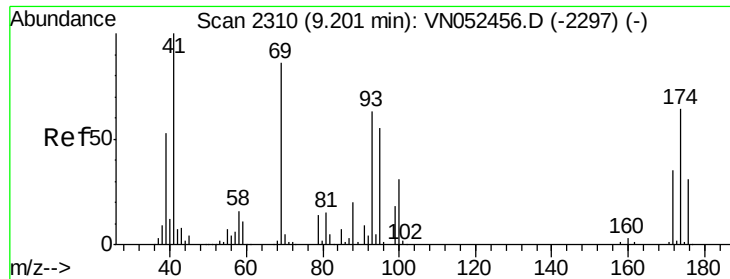
Tot Ion: 43 Resp: 167850
Ion Ratio Lower Upper
43 100
45 15.1 1.0 1.6#



#44
Isopropyl Acetate
Concen: 24.188 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

Tgt Ion: 43 Resp: 341289
Ion Ratio Lower Upper
43 100
61 18.9 16.0 24.0

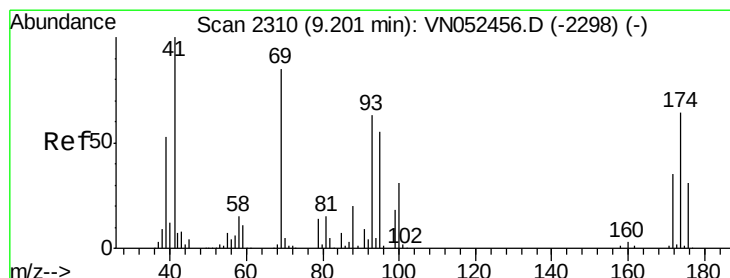
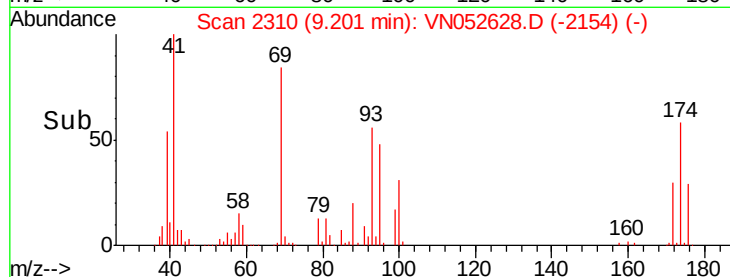
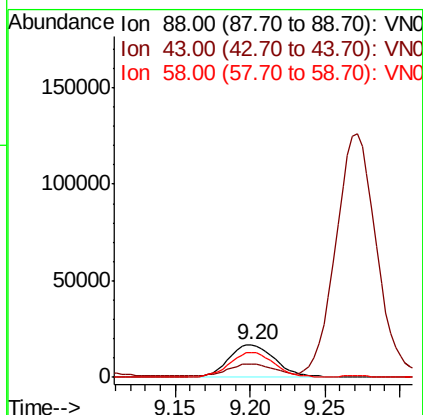
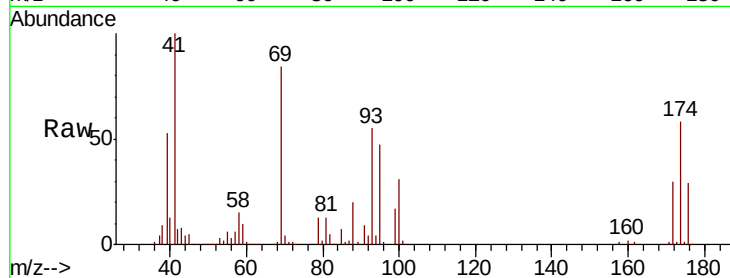




#45
 1,4-Dioxane
 Concen: 476.836 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

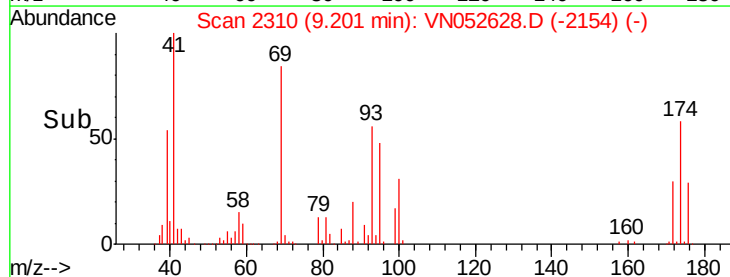
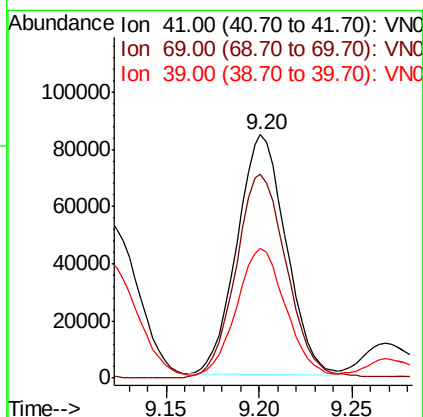
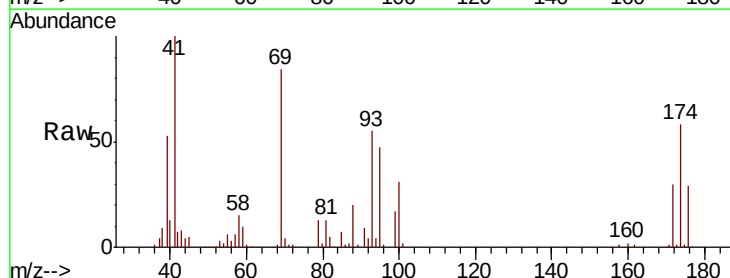
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

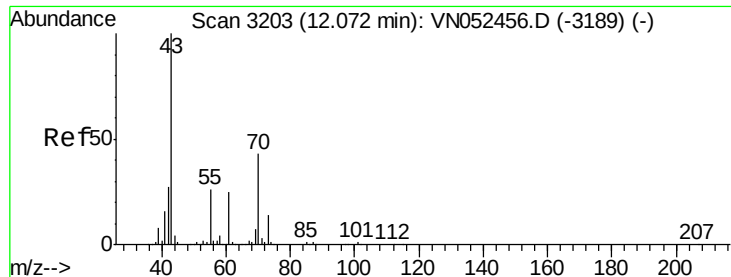
Tot Ion: 88 Resp: 36807
 Ion Ratio Lower Upper
 88 100
 43 36.7 29.5 44.3
 58 72.8 61.5 92.3



#46
 Methyl methacrylate
 Concen: 20.985 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

Tgt Ion: 41 Resp: 153737
 Ion Ratio Lower Upper
 41 100
 69 84.8 42.5 127.6
 39 53.2 26.3 78.9





#47

n-amvl Acetate

Concen: 20.436 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

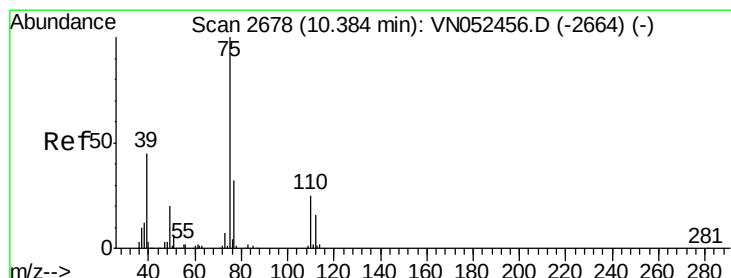
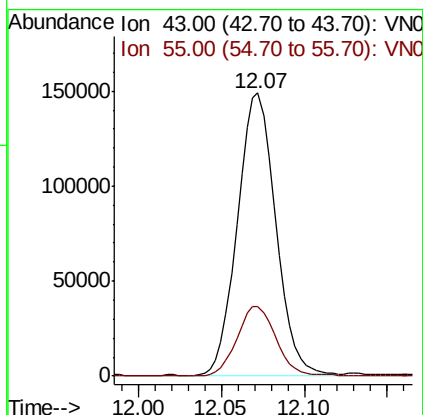
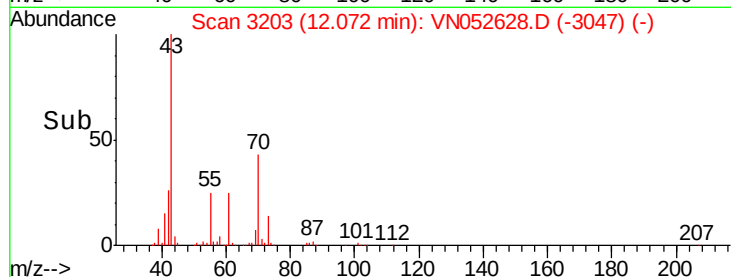
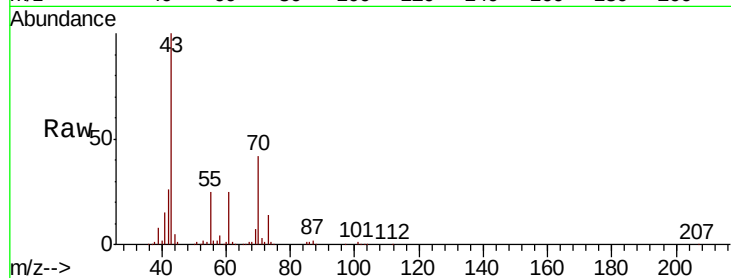
VSTDCCC020

Tot Ion: 43 Resp: 239075

Ion Ratio Lower Upper

43 100

55 25.5 21.1 31.7



#48

t-1,3-Dichloropropene

Concen: 20.244 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052628.D

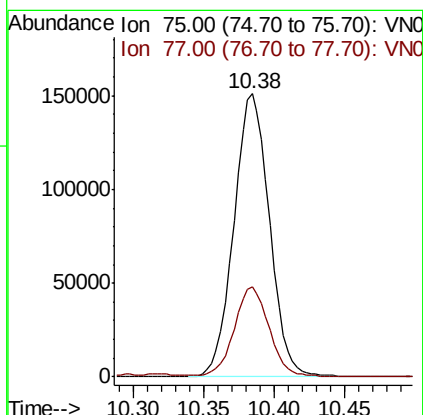
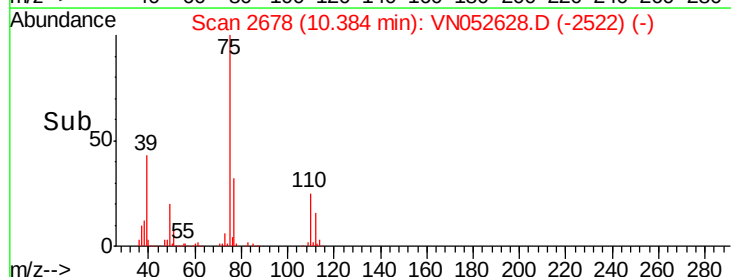
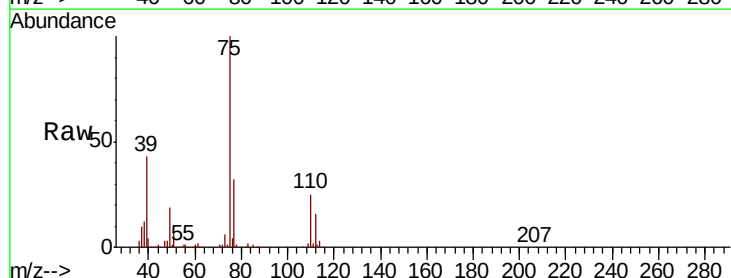
Acq: 3 Dec 2018 13:34

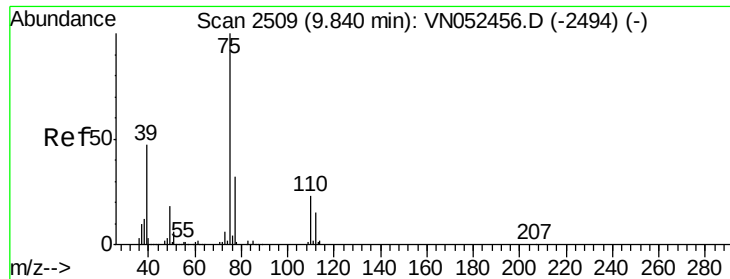
Tgt Ion: 75 Resp: 267057

Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4



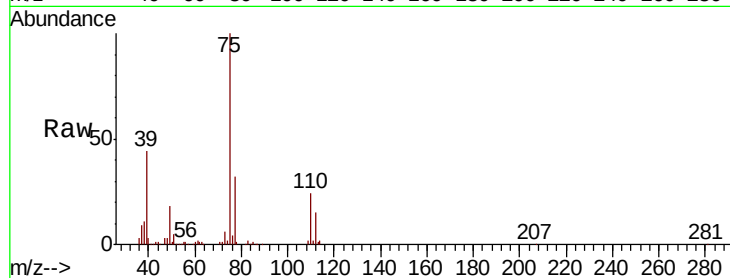


#49

cis-1,3-Dichloropropene
Concen: 19.738 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	75	Resp	317238
Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	44.3	37.3	55.9

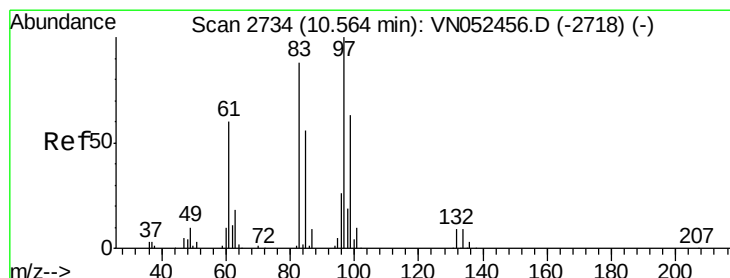
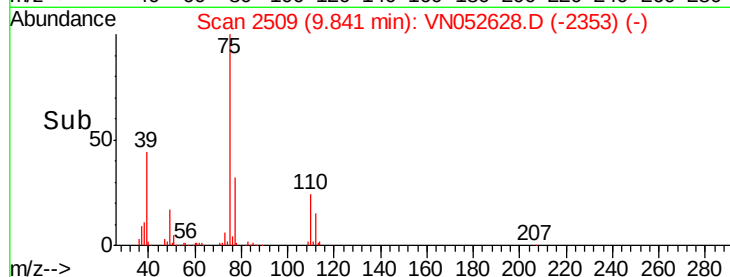
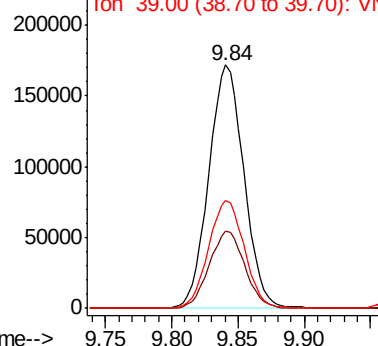


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

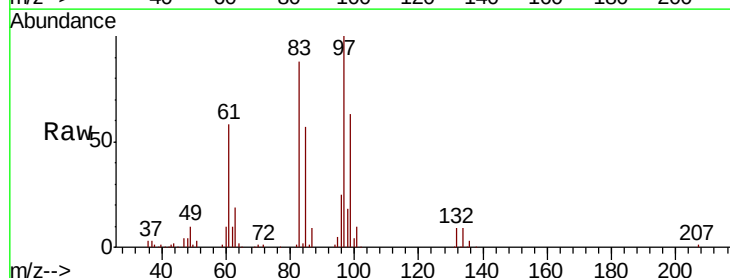
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane
Concen: 20.955 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

Tgt Ion	97	Resp	182921
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.4	105.6
85	57.4	45.0	67.6
99	63.1	50.2	75.2



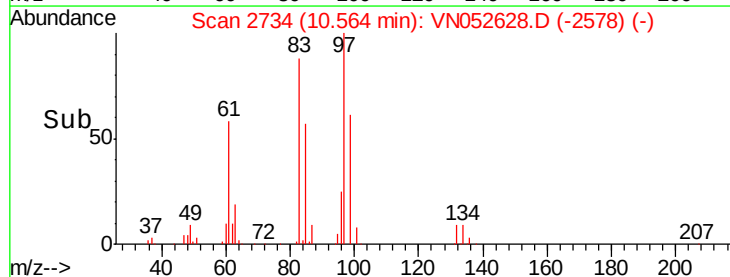
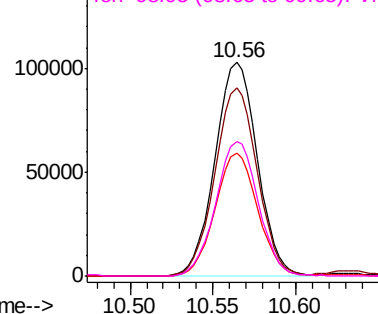
Abundance

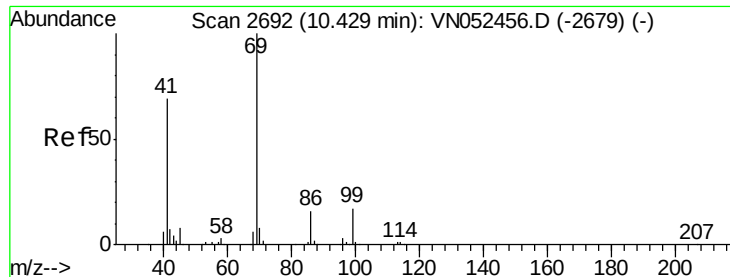
Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 21.322 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

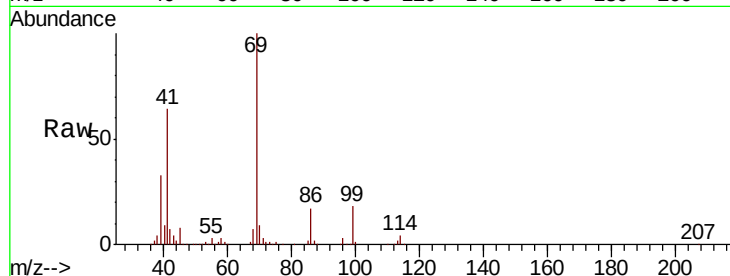
Tot Ion: 69 Resp: 233758

Ion Ratio Lower Upper

69 100

41 64.1 34.4 103.3

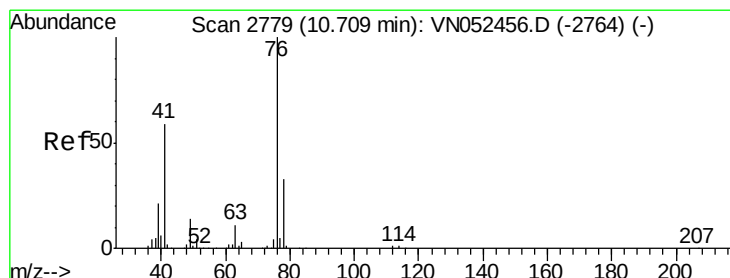
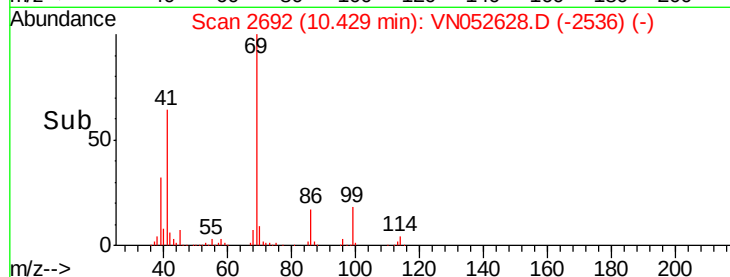
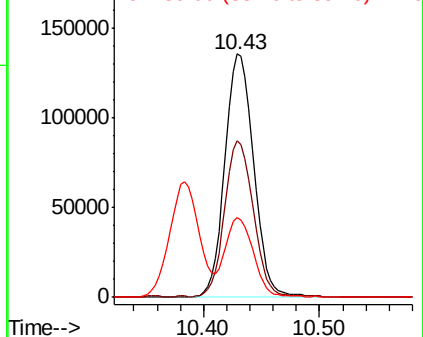
39 32.3 16.4 49.2



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



#52

1,3-Dichloropropane

Concen: 20.414 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052628.D

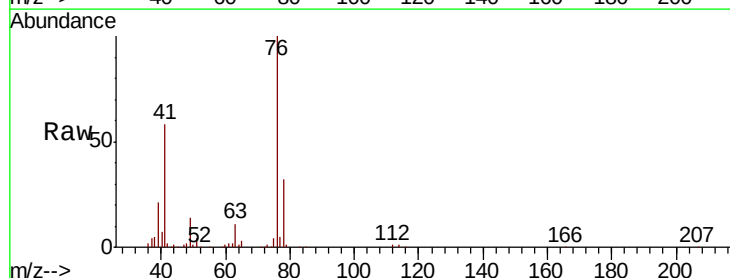
Acq: 3 Dec 2018 13:34

Tgt Ion: 76 Resp: 317184

Ion Ratio Lower Upper

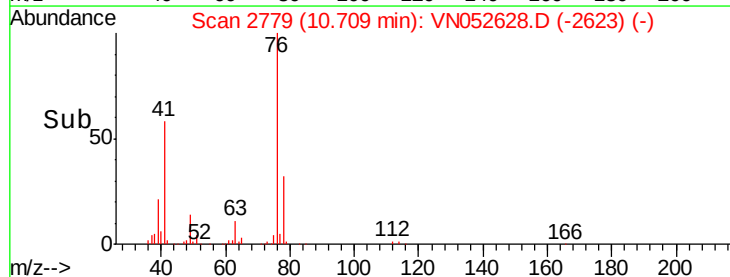
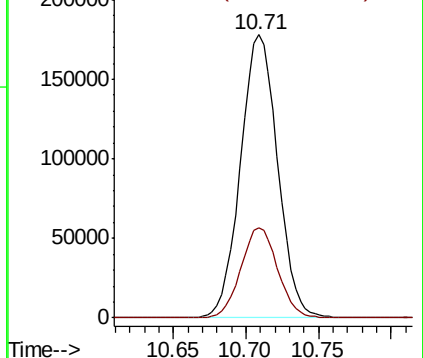
76 100

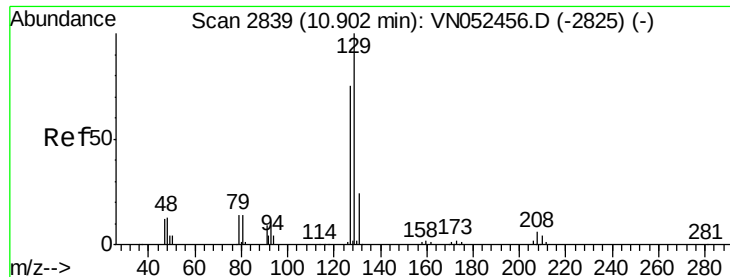
78 31.7 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

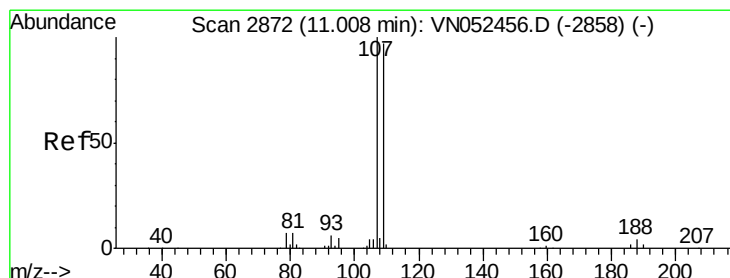
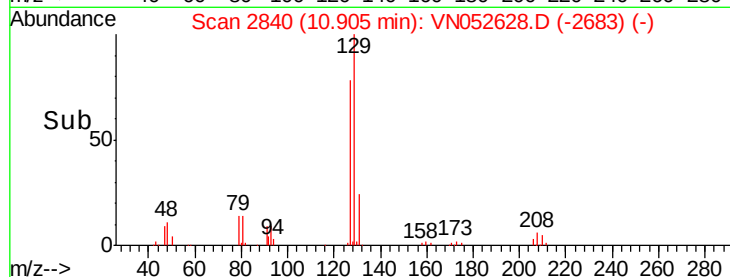
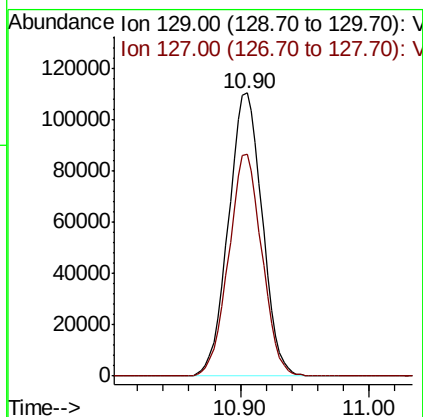
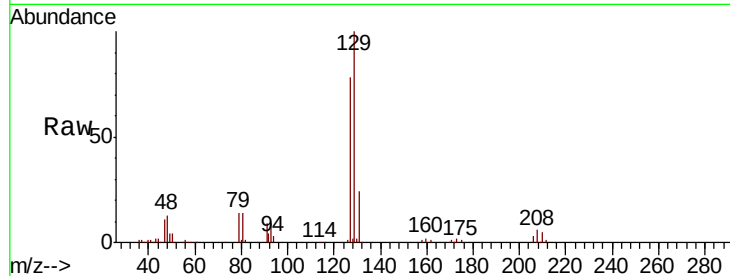




#53
 Dibromochloromethane
 Concen: 20.862 ug/l
 RT: 10.90 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

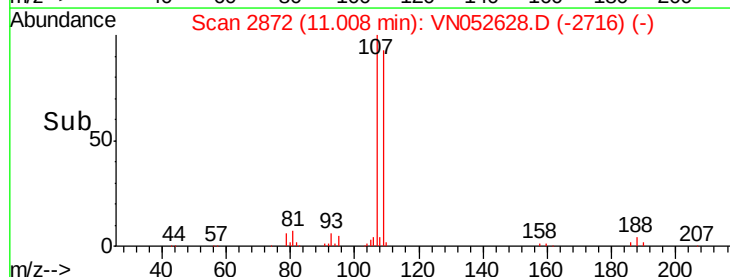
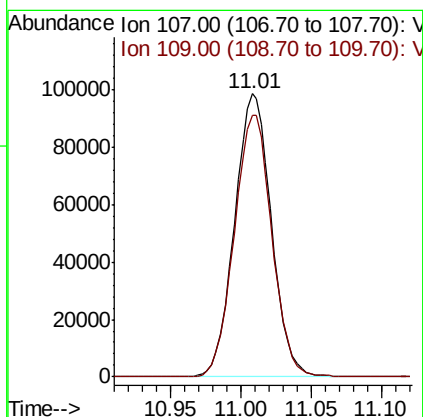
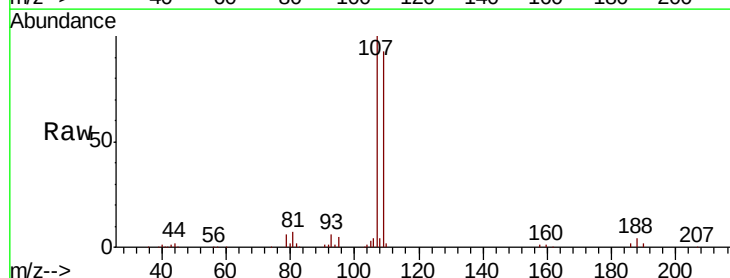
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

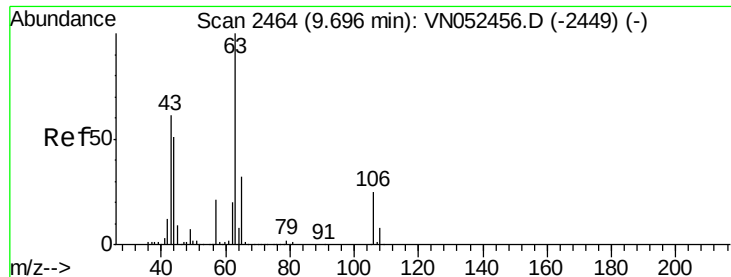
Tot Ion:129 Resp: 200493
 Ion Ratio Lower Upper
 129 100
 127 77.5 37.6 112.8



#54
 1,2-Dibromoethane
 Concen: 21.055 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

Tgt Ion:107 Resp: 179591
 Ion Ratio Lower Upper
 107 100
 109 94.5 77.1 115.7

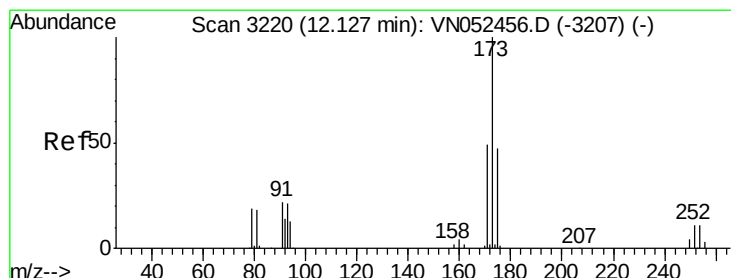
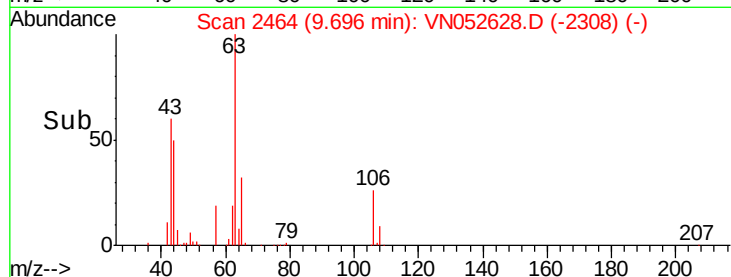
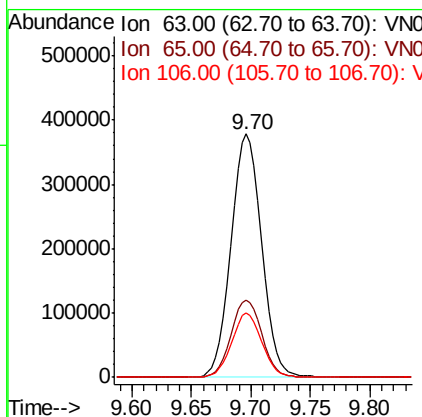
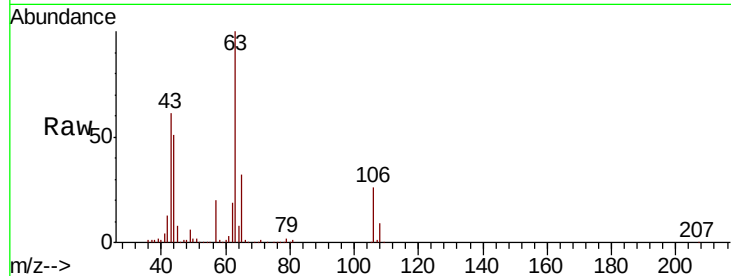




#55
 2-Chloroethyl vinyl ether
 Concen: 105.306 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

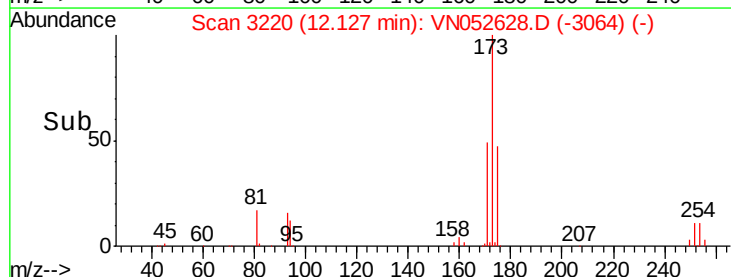
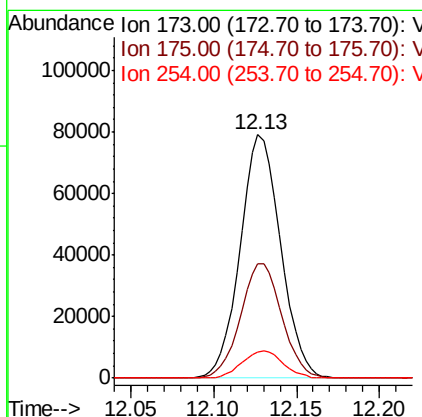
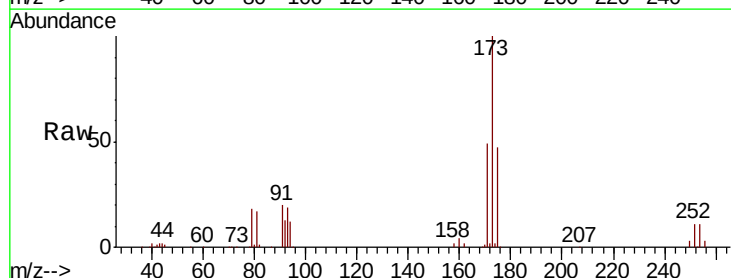
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

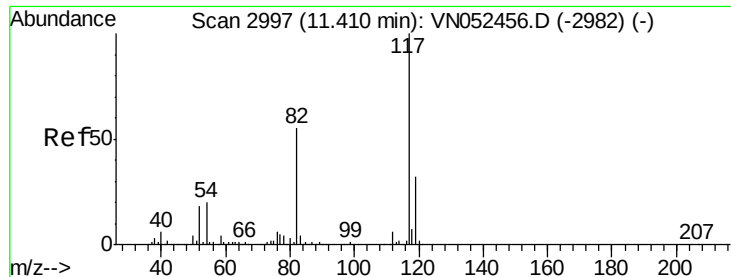
Tot Ion: 63 Resp: 675785
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.4 38.2
 106 26.1 20.4 30.6



#56
 Bromoform
 Concen: 21.338 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

Tgt Ion: 173 Resp: 134039
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.7 58.1
 254 11.2 8.4 12.6

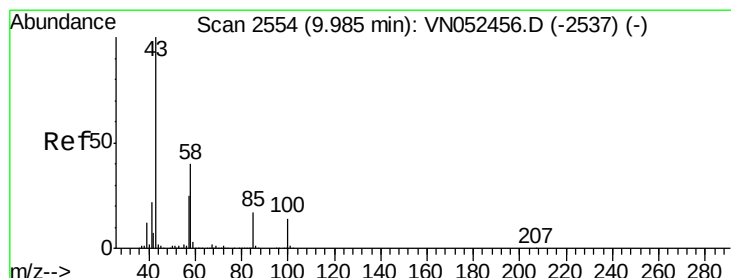
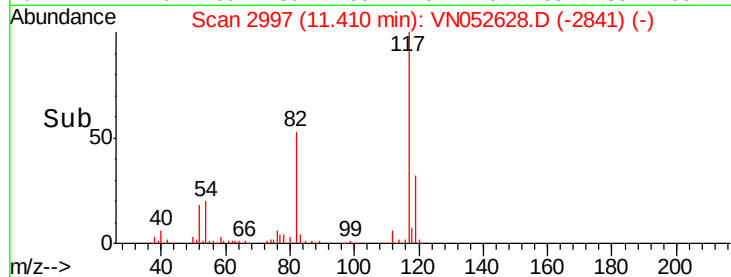
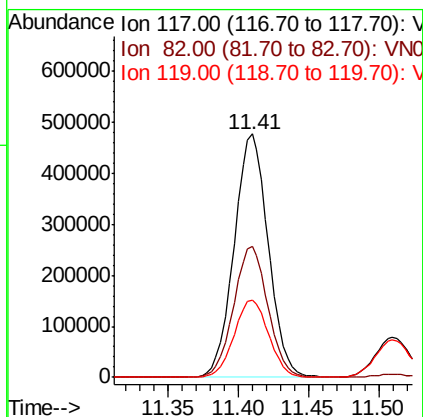
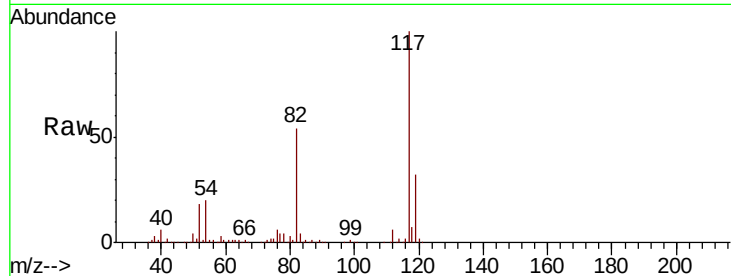




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

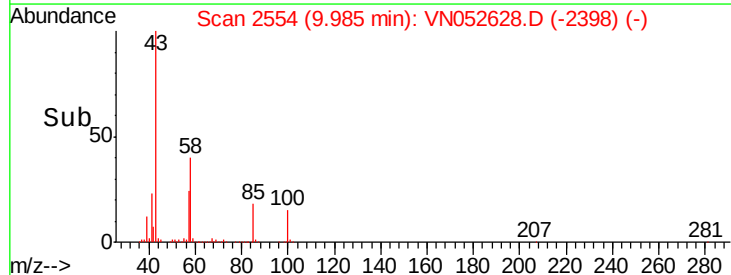
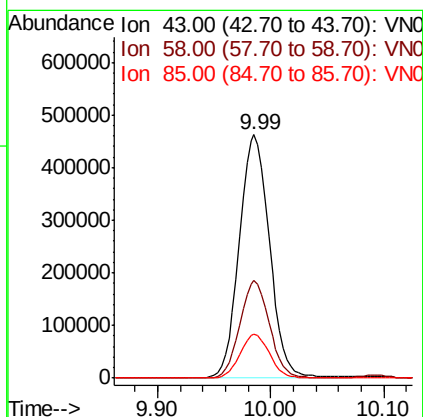
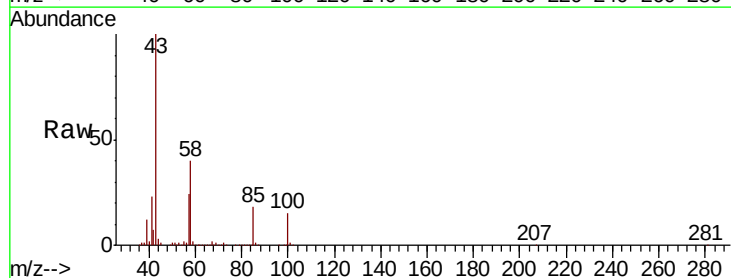
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

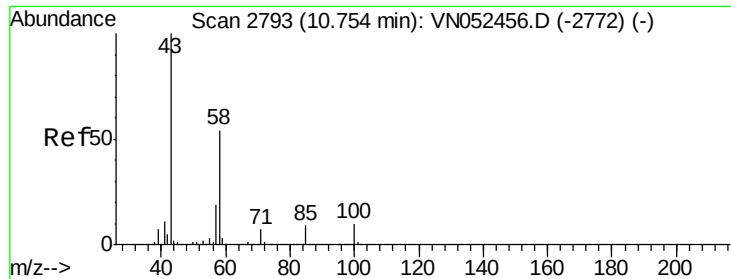
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.2	66.2
119	32.2	25.4	38.2



#58
4-Methyl-2-Pentanone
Concen: 109.509 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.6	47.4
85	17.7	13.3	19.9

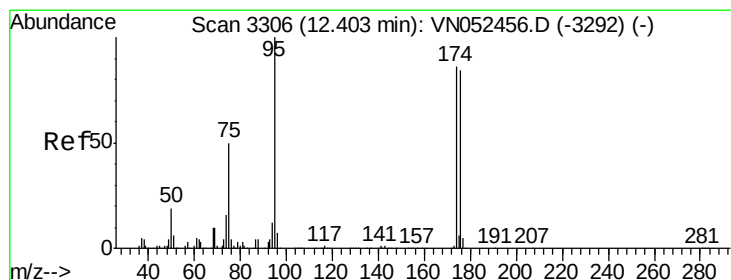
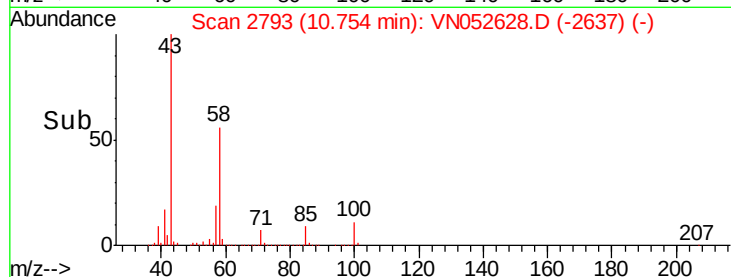
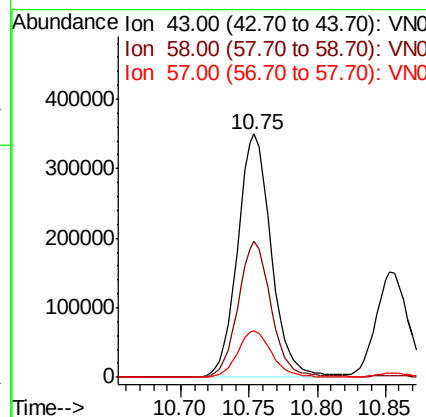
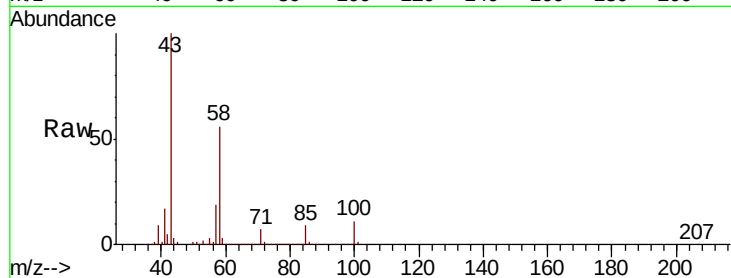




#59
2-Hexanone
Concen: 111.400 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

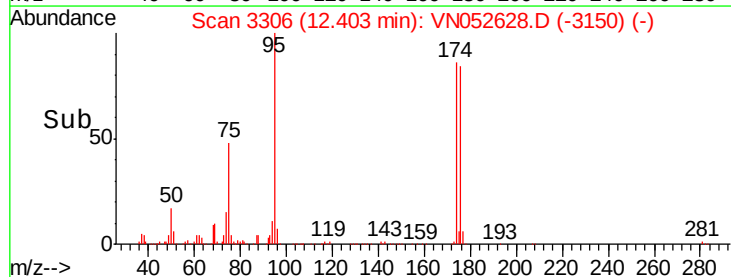
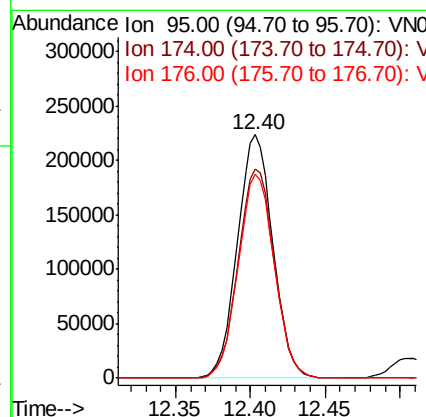
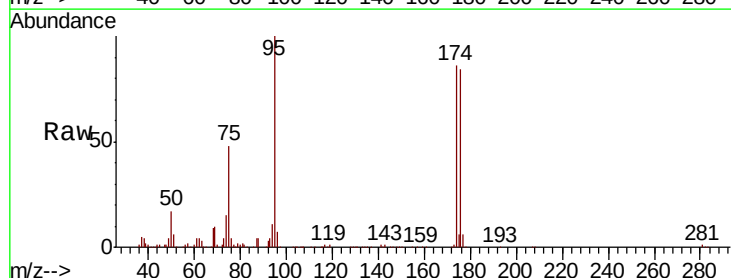
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

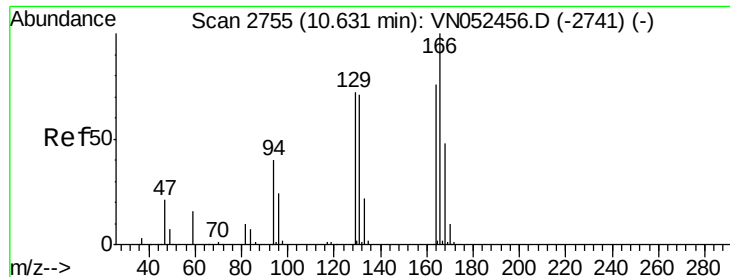
Tot Ion: 43 Resp: 596700
Ion Ratio Lower Upper
43 100
58 55.2 43.2 64.8
57 19.6 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 111.400 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

Tgt Ion: 95 Resp: 369223
Ion Ratio Lower Upper
95 100
174 87.7 67.9 101.9
176 85.4 66.4 99.6





#61

Tetrachloroethene

Concen: 21.211 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 211290

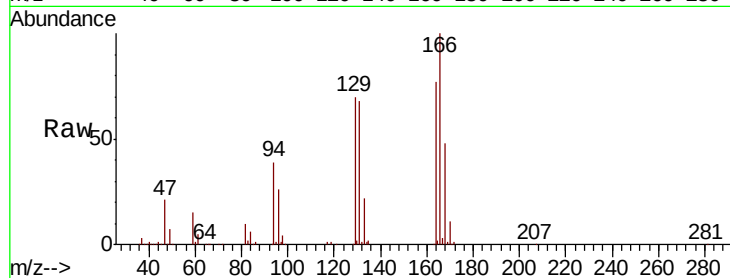
Ion Ratio Lower Upper

164 100

166 129.7 104.6 157.0

129 90.4 75.3 112.9

131 88.4 74.3 111.5

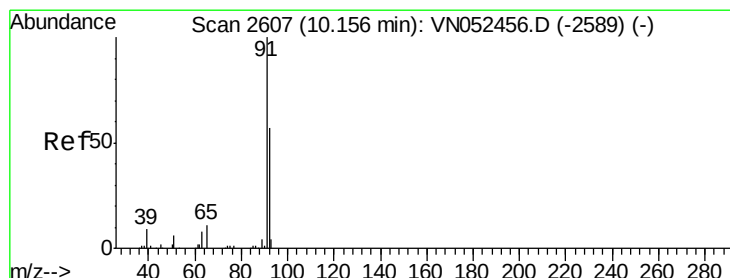
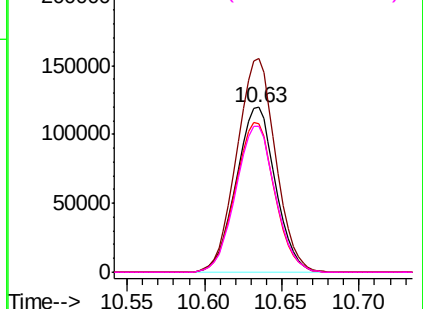
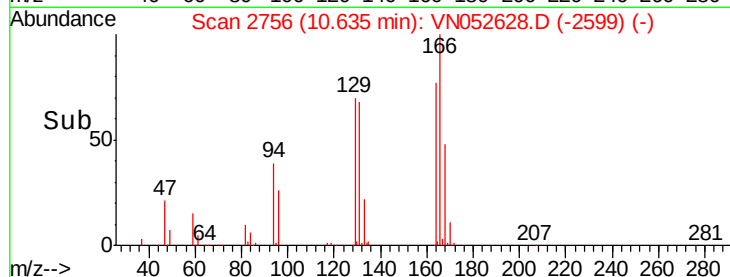


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.245 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052628.D

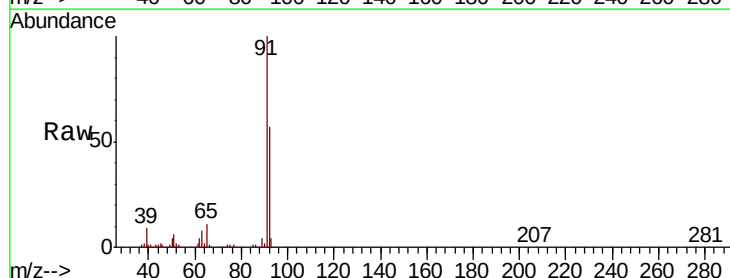
Acq: 3 Dec 2018 13:34

Tgt Ion: 91 Resp: 902671

Ion Ratio Lower Upper

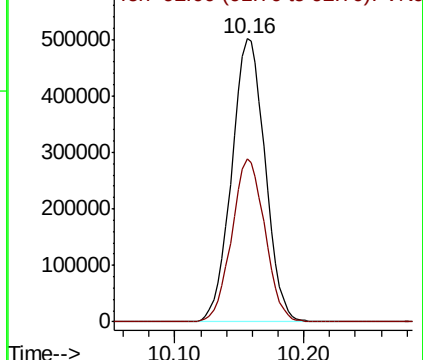
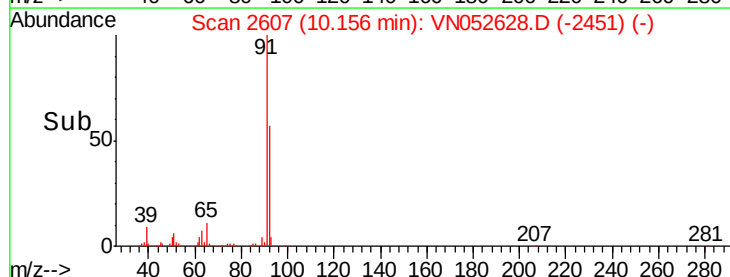
91 100

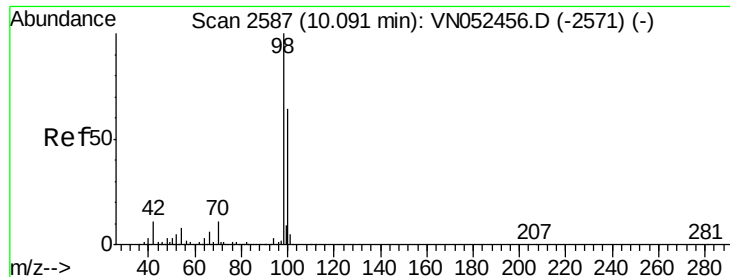
92 56.8 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 20.245 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

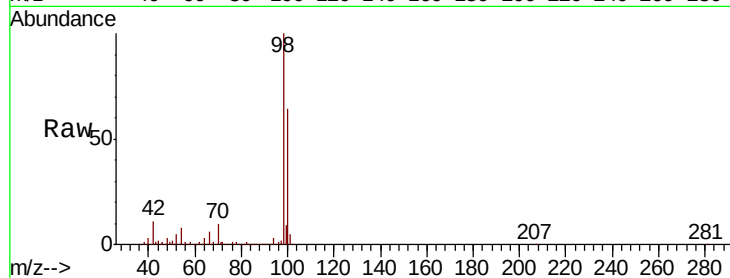
VSTDCCC020

Tot Ion: 98 Resp: 1112239

Ion Ratio Lower Upper

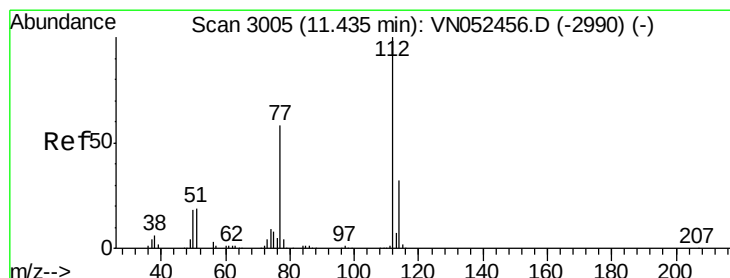
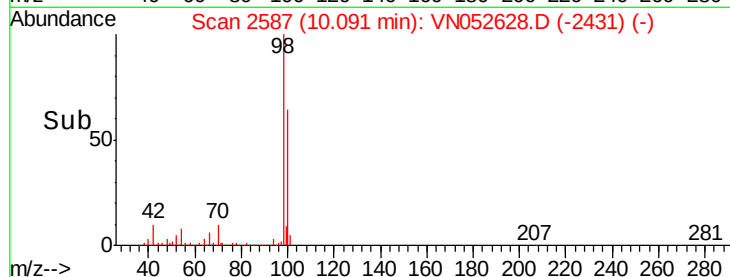
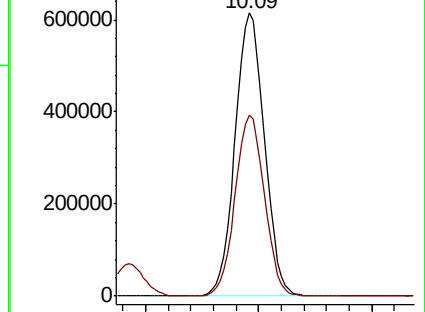
98 100

100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN052456.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN052456.D (-2571) (-)



#64

Chlorobenzene

Concen: 20.005 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052628.D

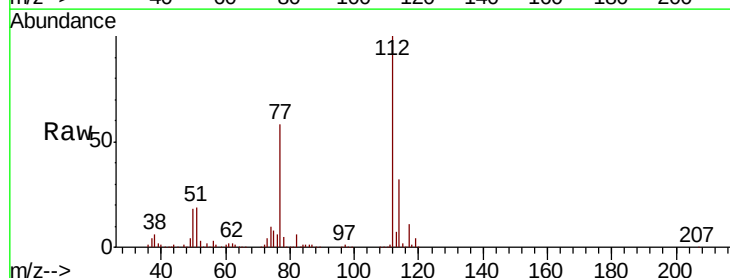
Acq: 3 Dec 2018 13:34

Tgt Ion: 112 Resp: 544422

Ion Ratio Lower Upper

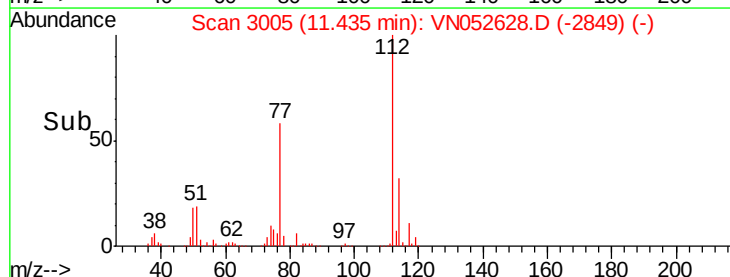
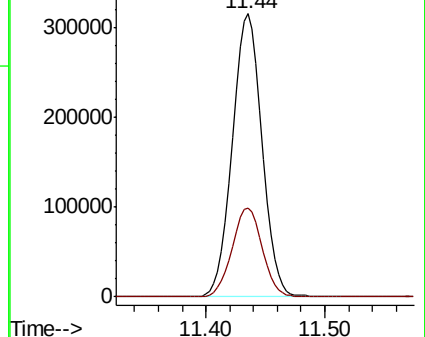
112 100

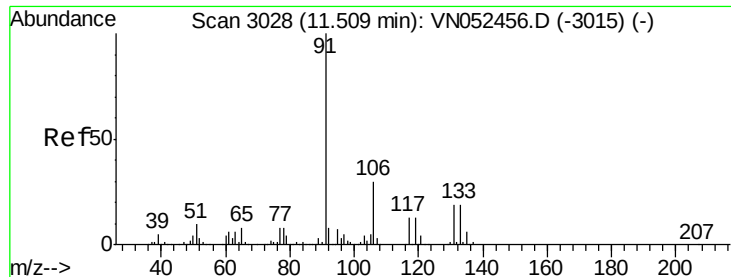
114 31.5 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN052456.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN052456.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 20.367 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

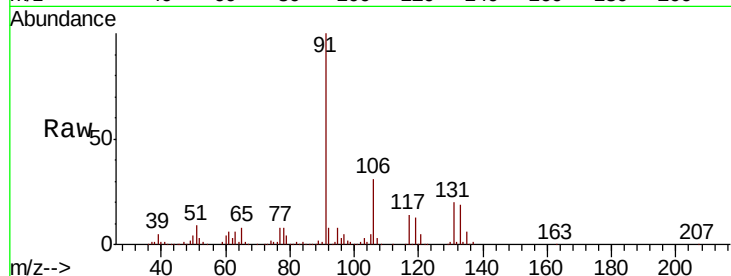
Tot Ion:131 Resp: 192399

Ion Ratio Lower Upper

131 100

133 96.8 0.0 193.4

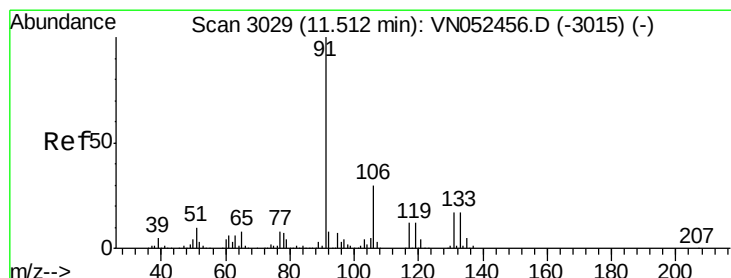
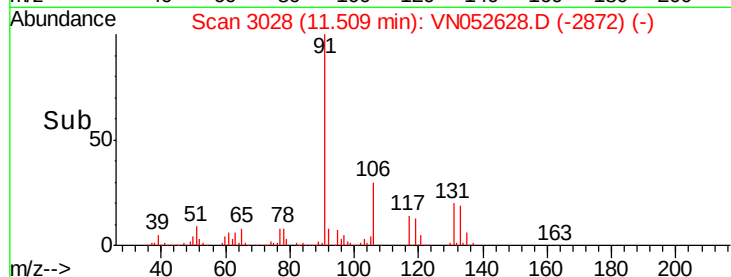
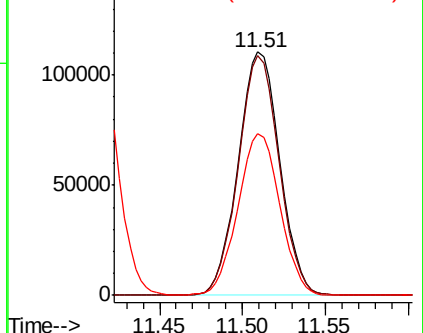
119 67.2 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.909 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052628.D

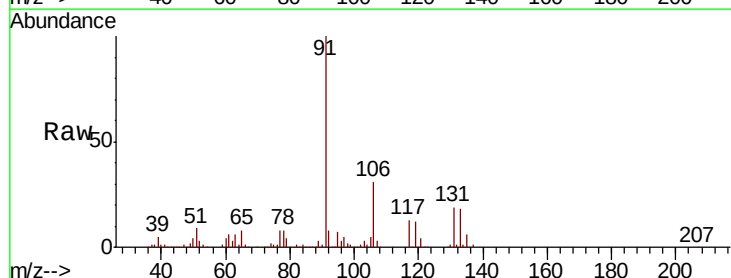
Acq: 3 Dec 2018 13:34

Tgt Ion: 91 Resp: 956711

Ion Ratio Lower Upper

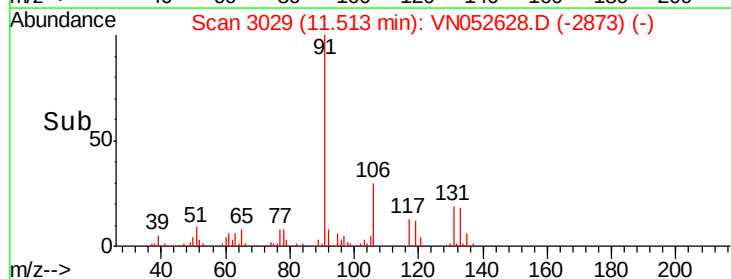
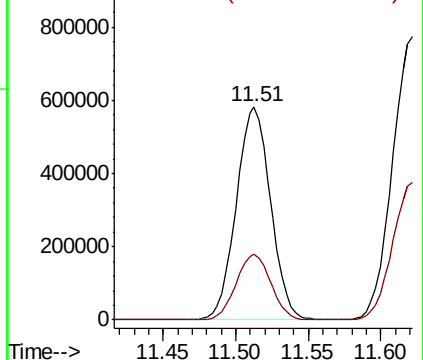
91 100

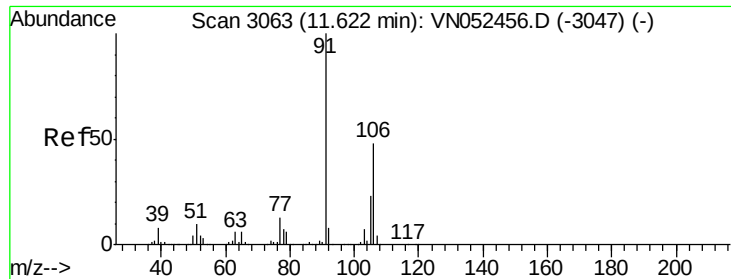
106 30.7 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

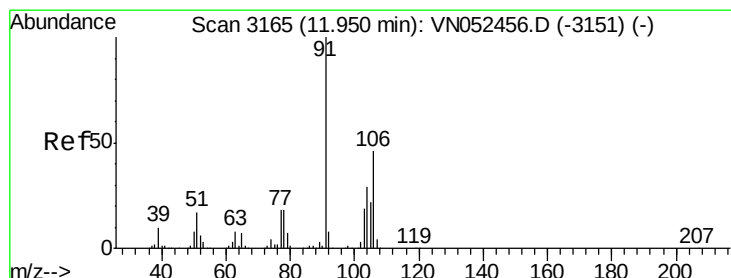
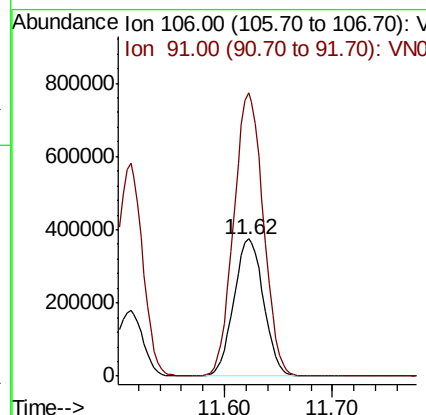
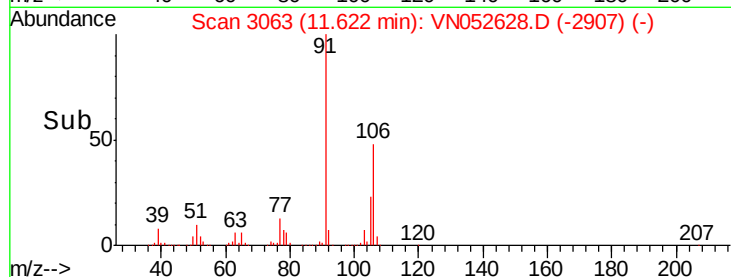
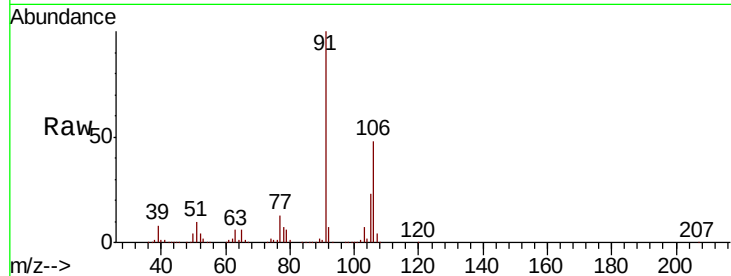




#67
m/p-Xylenes
Concen: 40.333 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

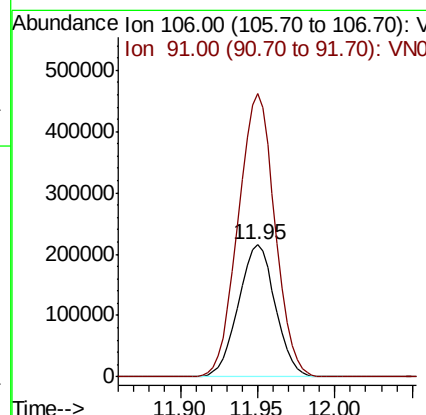
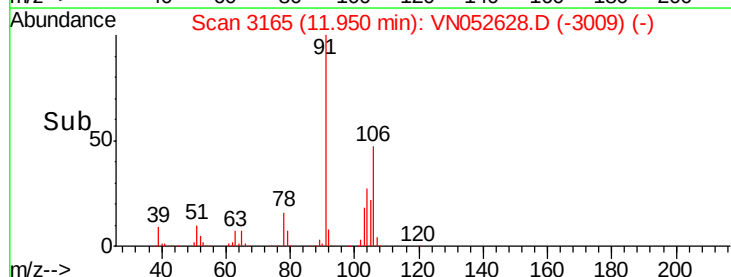
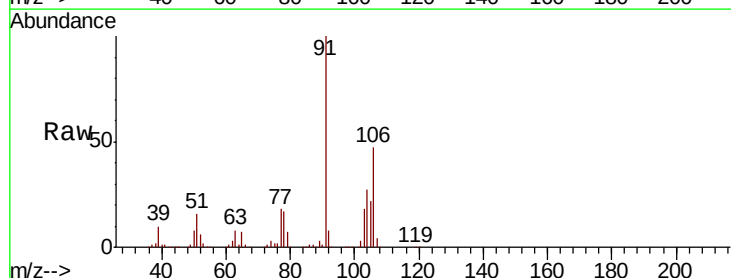
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

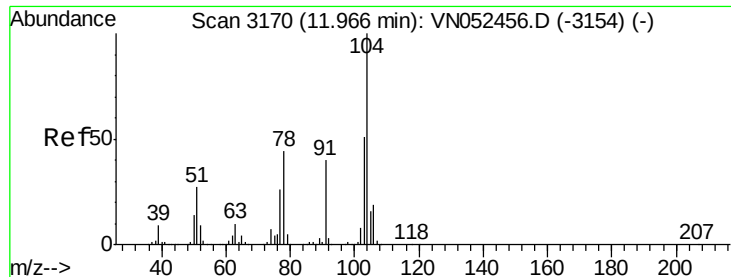
Tot Ion:106 Resp: 722085
Ion Ratio Lower Upper
106 100
91 205.4 163.9 245.9



#68
o-Xylene
Concen: 20.524 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

Tgt Ion:106 Resp: 356628
Ion Ratio Lower Upper
106 100
91 213.5 107.8 323.4

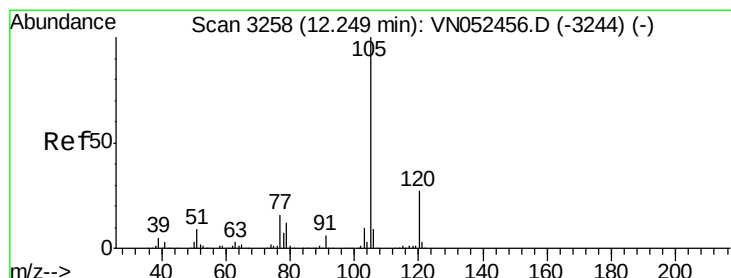
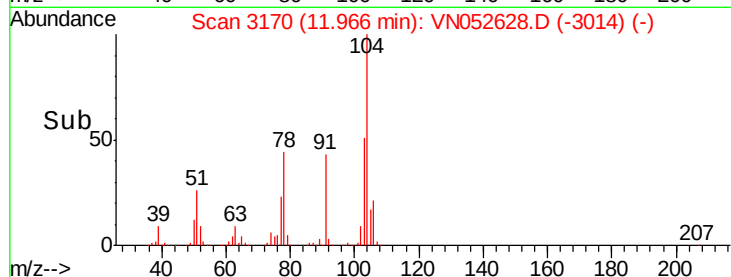
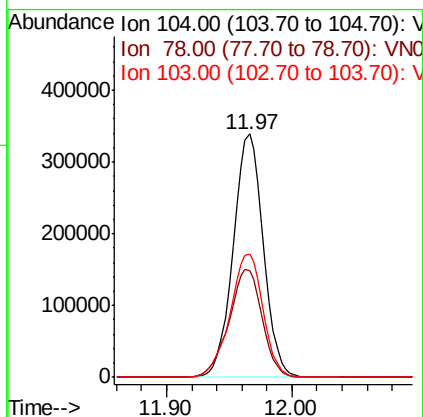
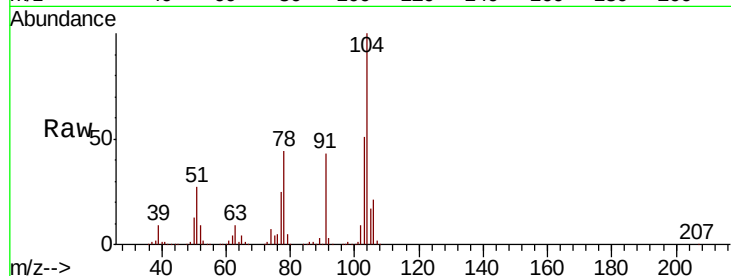




#69
Stvrene
Concen: 20.098 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

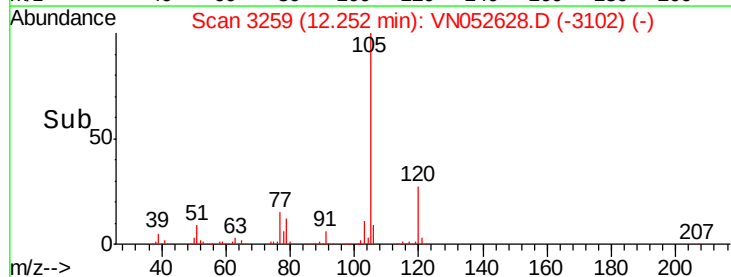
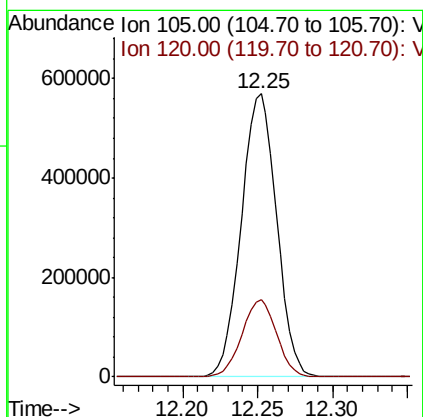
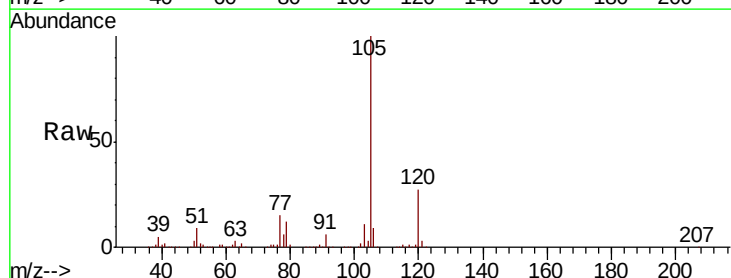
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

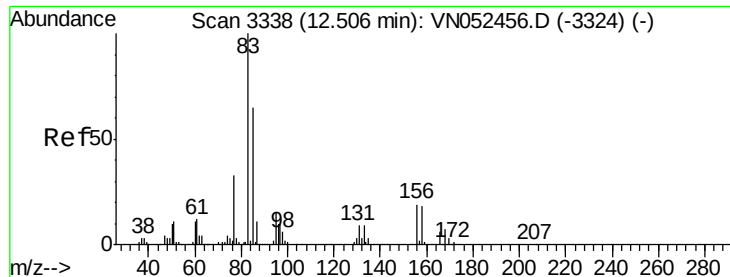
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.3	58.9
103	55.5	44.6	66.8



#70
Isopropylbenzene
Concen: 20.262 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	18.6	34.6

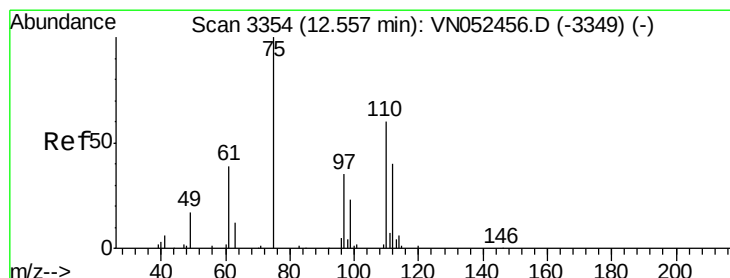
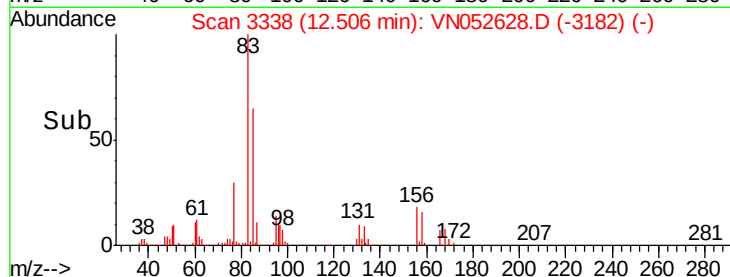
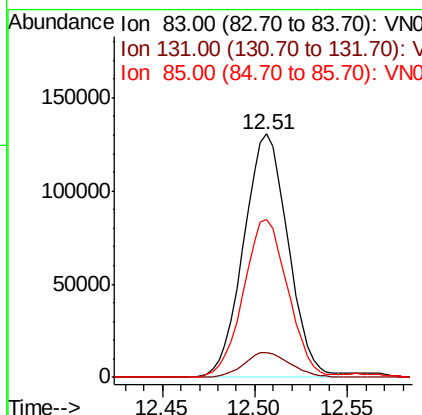
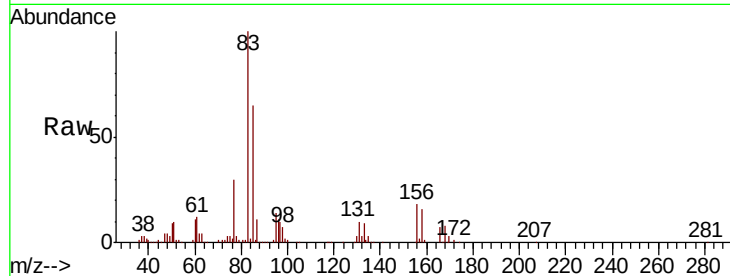




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.640 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

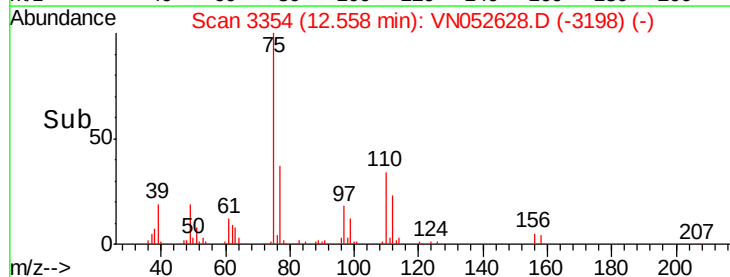
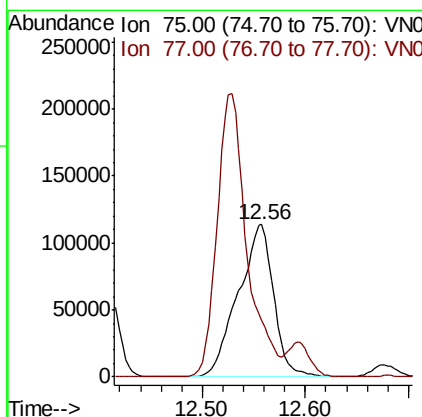
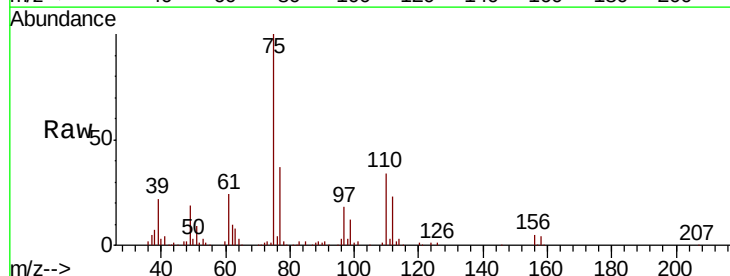
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

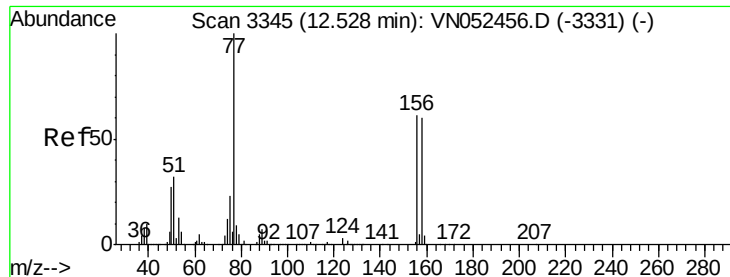
Tot Ion: 83 Resp: 217643
 Ion Ratio Lower Upper
 83 100
 131 10.7 4.9 14.6
 85 65.1 32.2 96.6



#72
 1,2,3-Trichloropropane
 Concen: 31.395 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

Tgt Ion: 75 Resp: 271046
 Ion Ratio Lower Upper
 75 100
 77 157.1 0.0 514.8





#73

Bromobenzene

Concen: 20.584 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

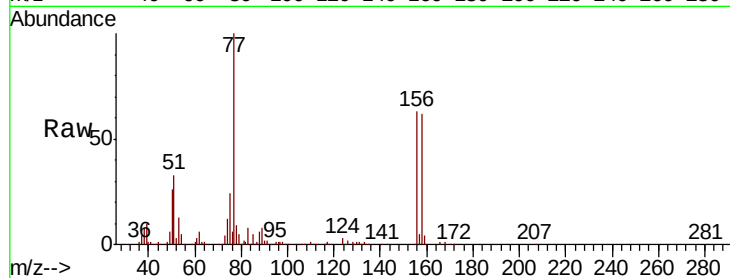
Tot Ion:156 Resp: 230172

Ion Ratio Lower Upper

156 100

77 185.0 0.0 382.6

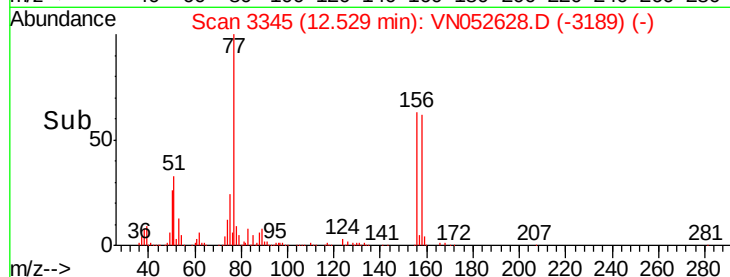
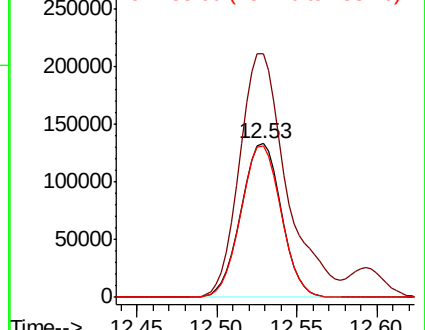
158 97.9 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.595 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052628.D

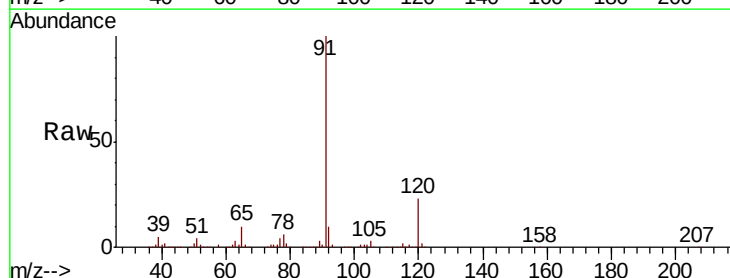
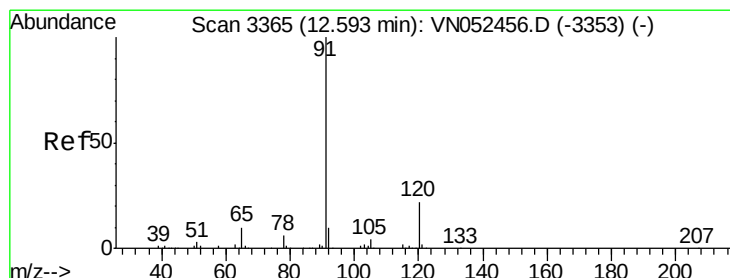
Acq: 3 Dec 2018 13:34

Tgt Ion: 91 Resp: 1055557

Ion Ratio Lower Upper

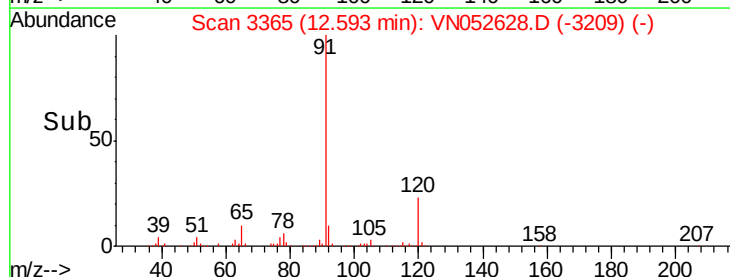
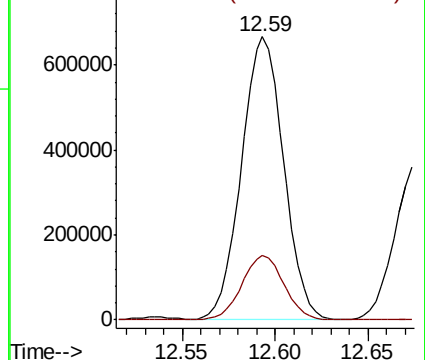
91 100

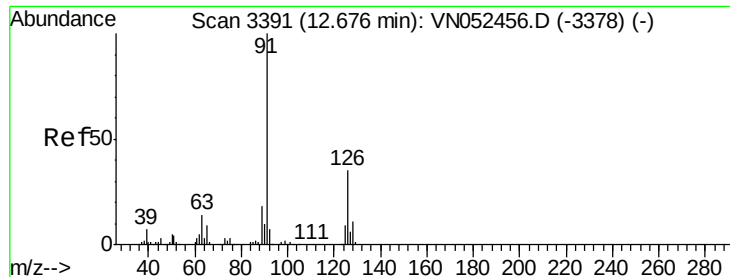
120 22.7 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.203 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

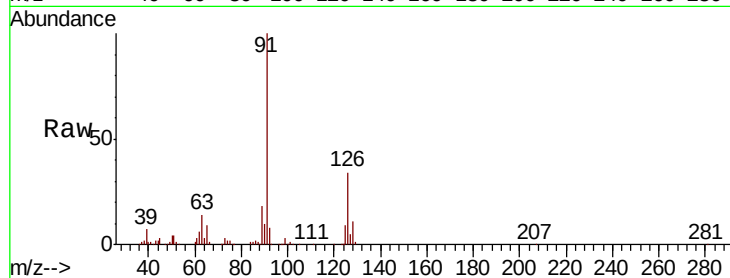
VSTDCCC020

Tot Ion: 91 Resp: 631720

Ion Ratio Lower Upper

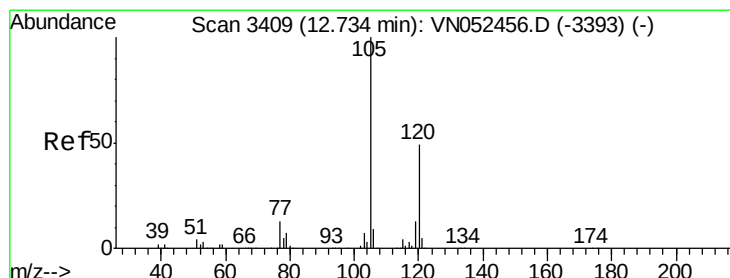
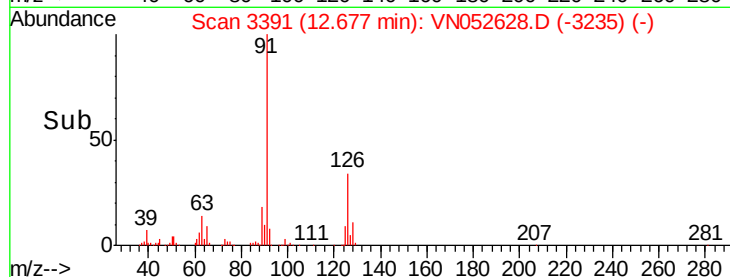
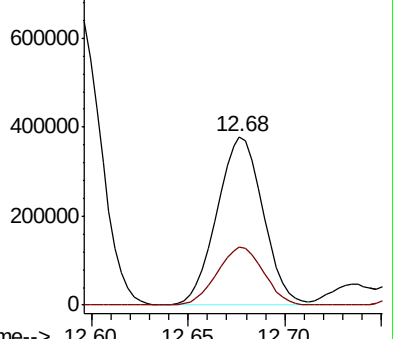
91 100

126 34.6 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN052456.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.365 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052628.D

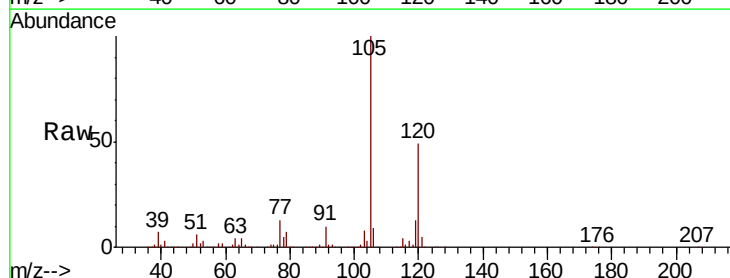
Acq: 3 Dec 2018 13:34

Tgt Ion: 105 Resp: 760486

Ion Ratio Lower Upper

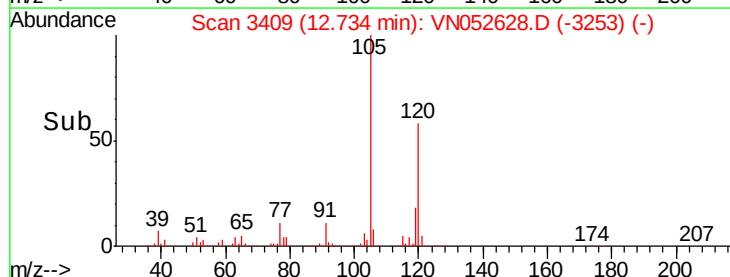
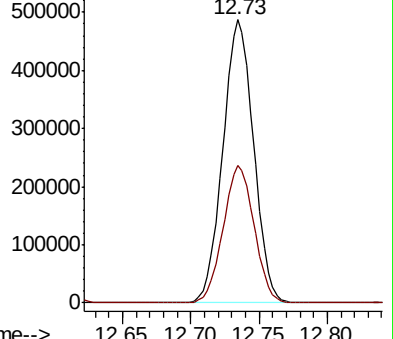
105 100

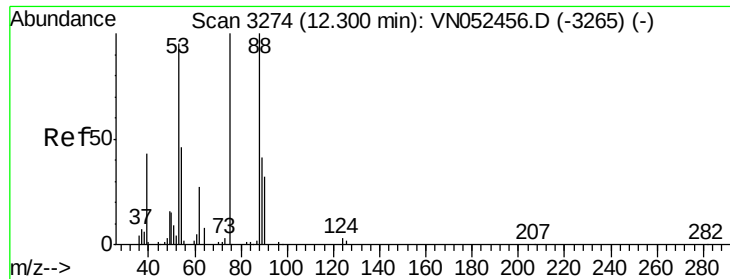
120 48.9 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN052456.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN052456.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 20.713 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

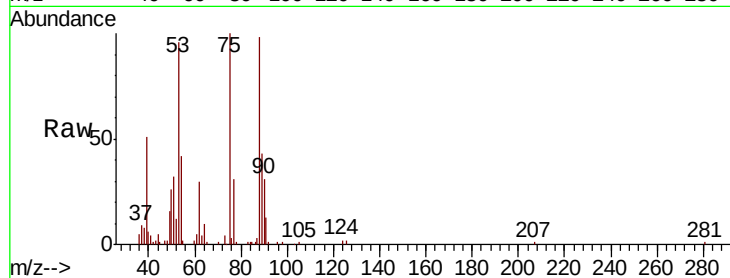
Tot Ion: 75 Resp: 56490

Ion Ratio Lower Upper

75 100

53 96.4 48.5 145.6

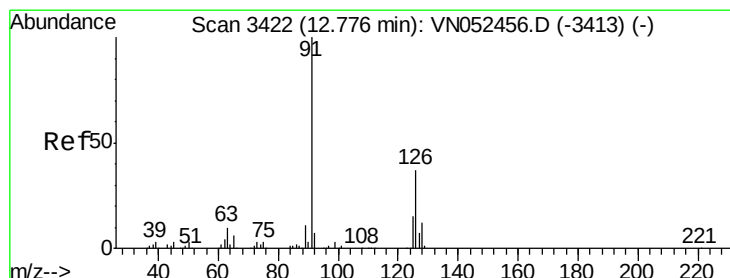
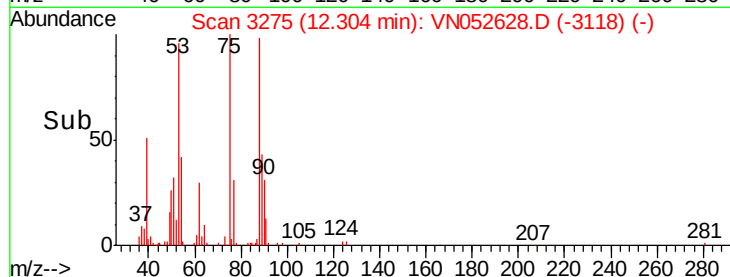
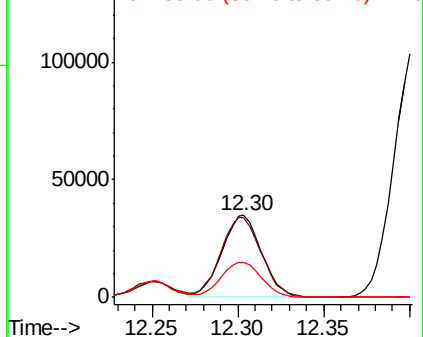
89 42.8 21.7 65.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.880 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN052628.D

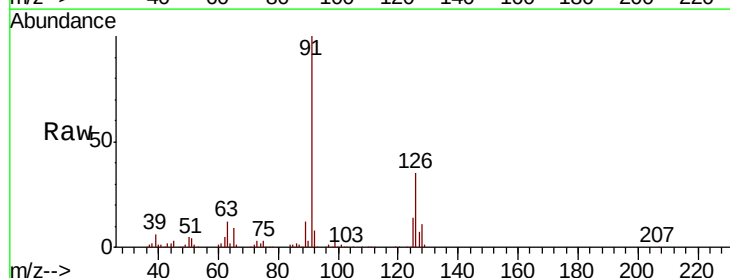
Acq: 3 Dec 2018 13:34

Tgt Ion: 91 Resp: 620745

Ion Ratio Lower Upper

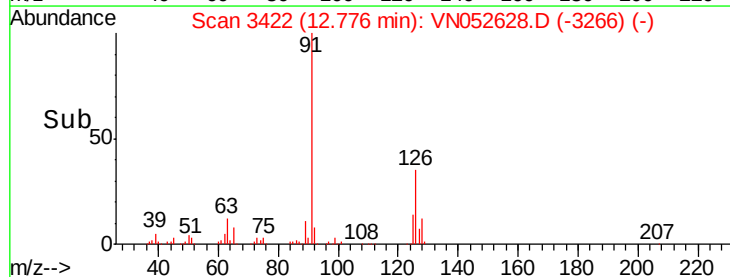
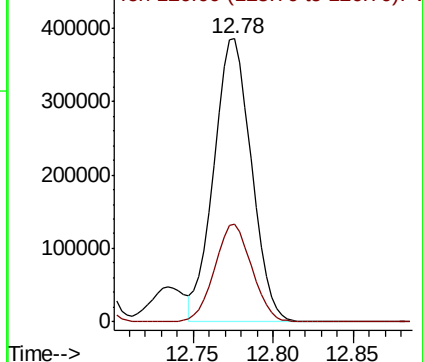
91 100

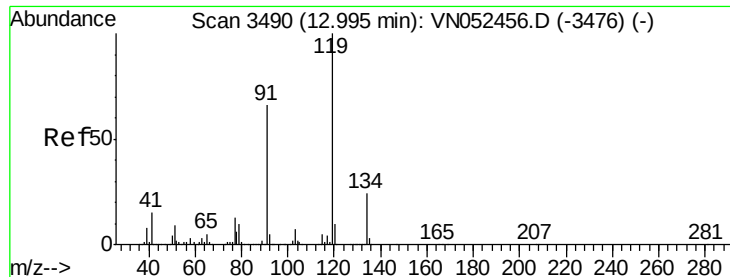
126 34.1 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 20.646 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

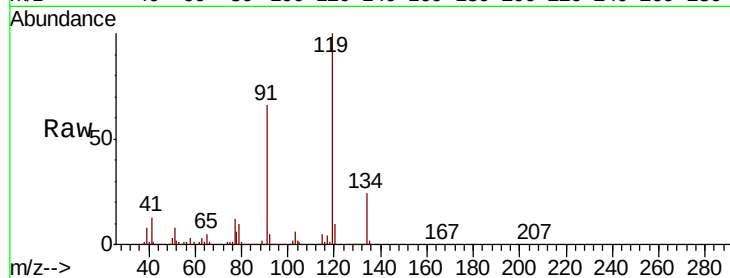
Tot Ion:119 Resp: 671433

Ion Ratio Lower Upper

119 100

91 64.2 0.0 129.8

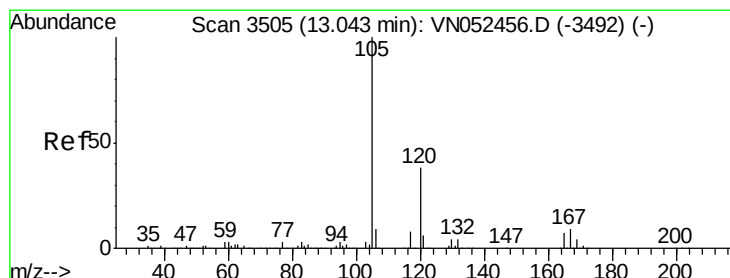
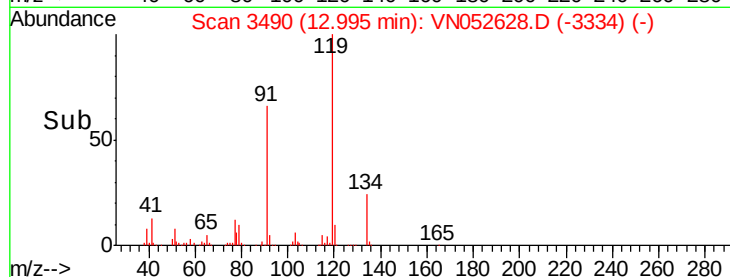
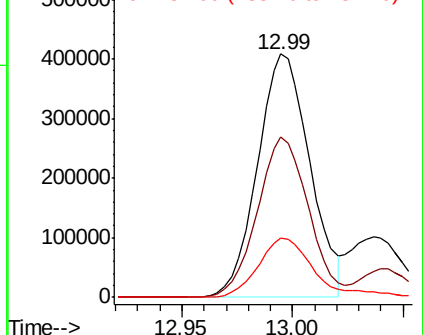
134 24.5 0.0 52.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 20.467 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN052628.D

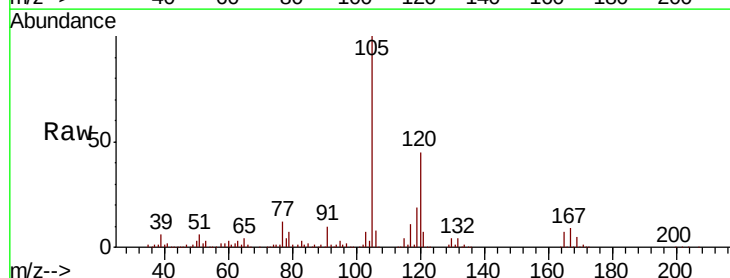
Acq: 3 Dec 2018 13:34

Tgt Ion:105 Resp: 764763

Ion Ratio Lower Upper

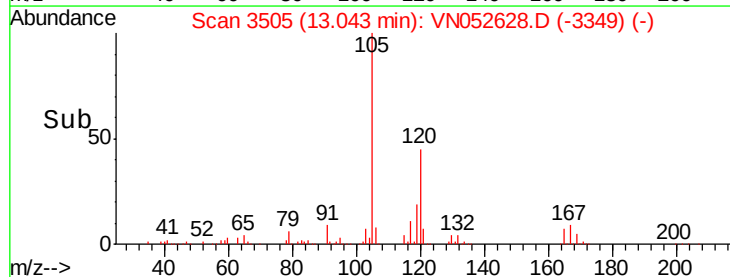
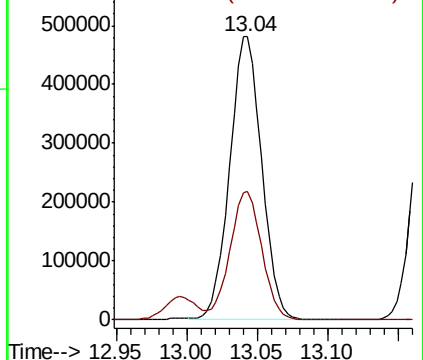
105 100

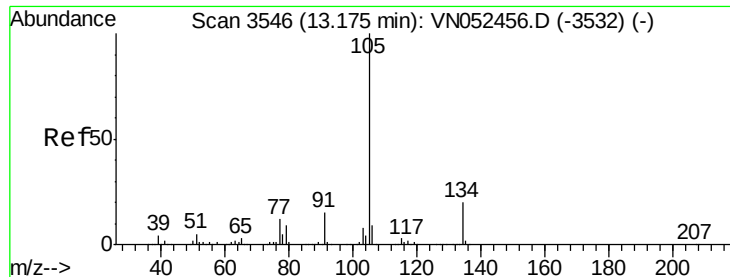
120 45.1 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

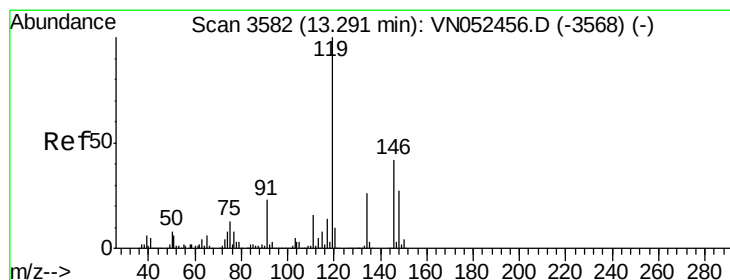
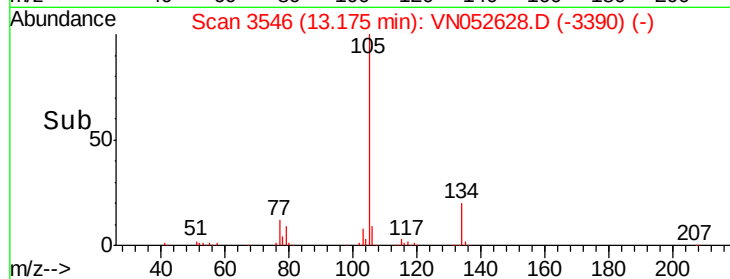
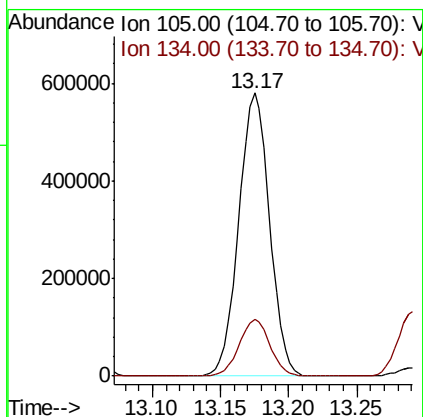
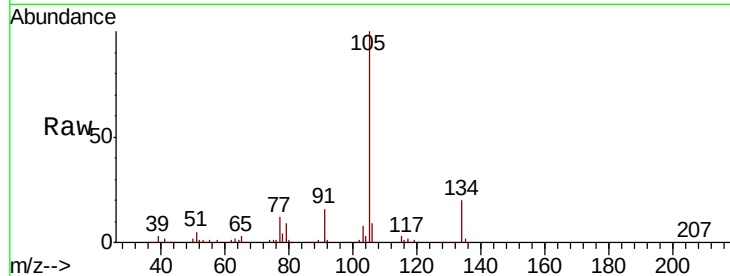




#81
 sec-Butylbenzene
 Concen: 20.050 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

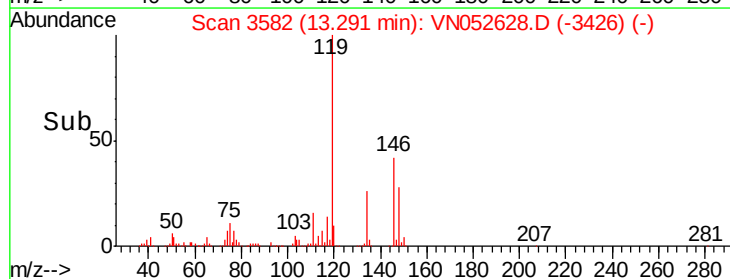
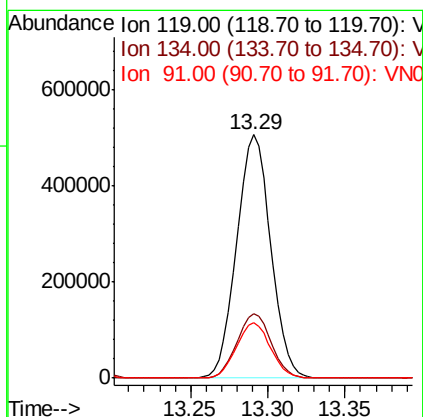
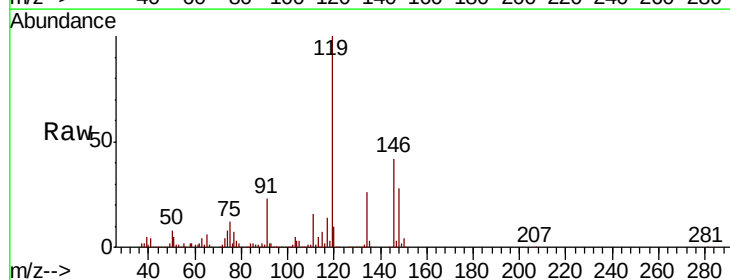
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

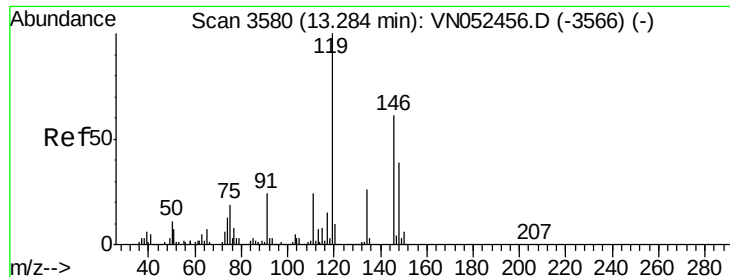
Tot Ion:105 Resp: 908211
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 40.4



#82
 p-Isopropyltoluene
 Concen: 20.075 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

Tgt Ion:119 Resp: 774339
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 52.6
 91 22.8 0.0 46.2





#83

1,3-Dichlorobenzene

Concen: 20.029 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

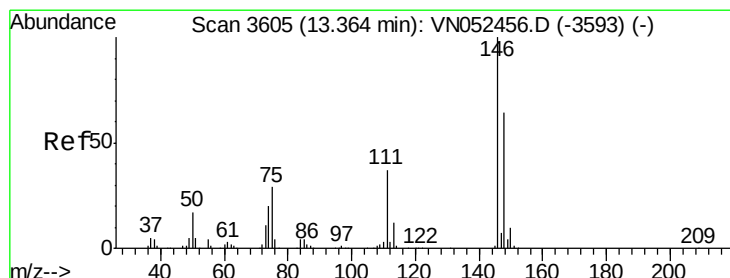
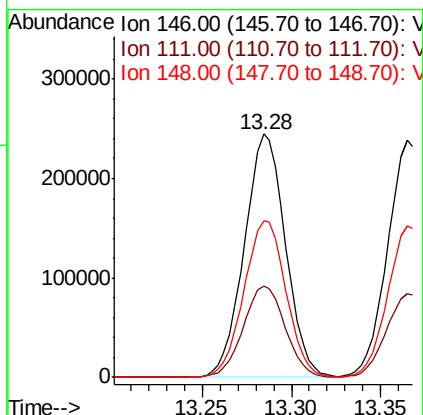
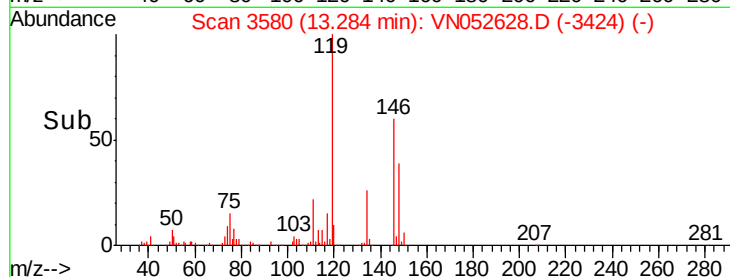
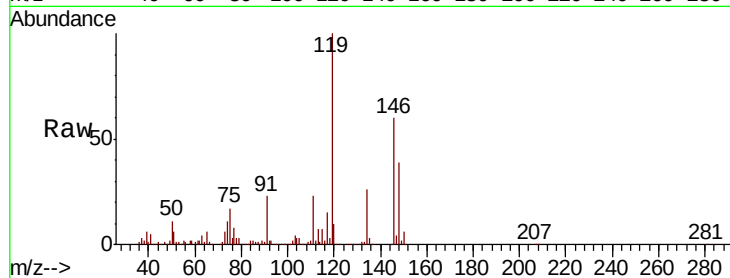
Tot Ion:146 Resp: 393890

Ion Ratio Lower Upper

146 100

111 38.2 19.7 59.0

148 65.8 32.3 96.8



#84

1,4-Dichlorobenzene

Concen: 20.275 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

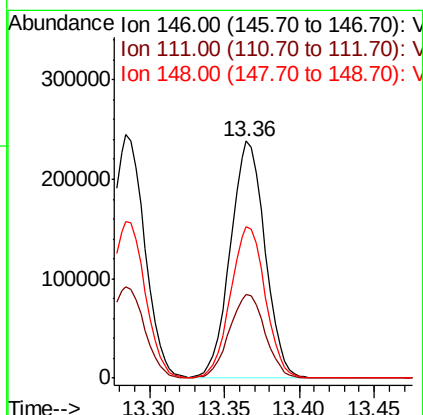
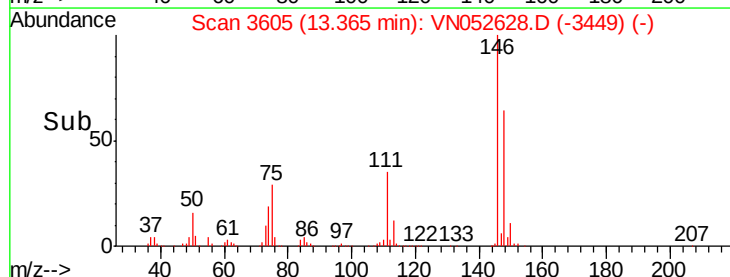
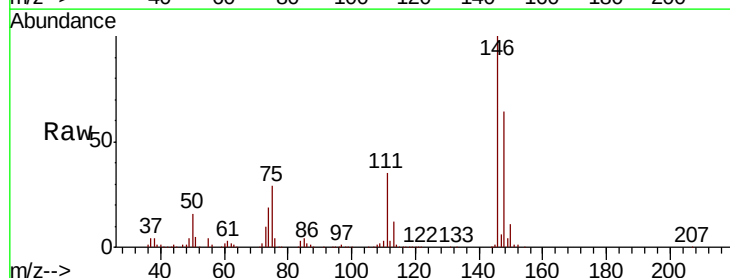
Tgt Ion:146 Resp: 385238

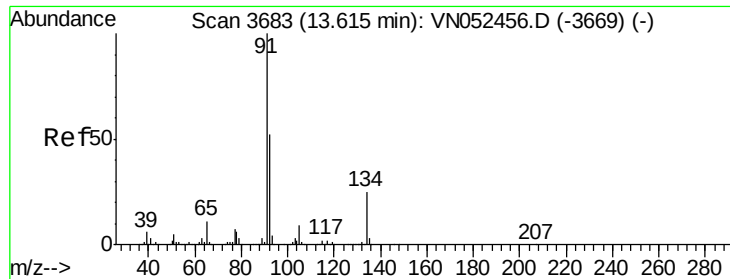
Ion Ratio Lower Upper

146 100

111 36.3 18.8 56.3

148 64.0 32.5 97.4





#85

n-Butylbenzene

Concen: 18.871 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052628.D

Acq: 3 Dec 2018 13:34

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

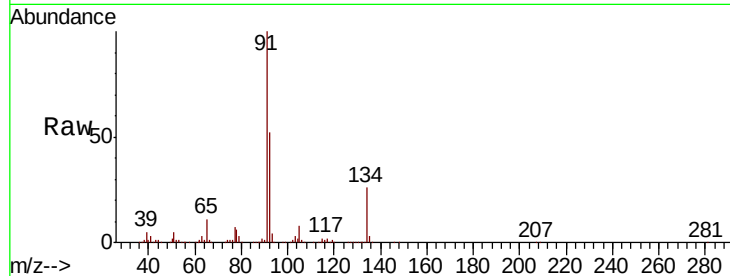
Tot Ion: 91 Resp: 625242

Ion Ratio Lower Upper

91 100

92 52.2 0.0 104.2

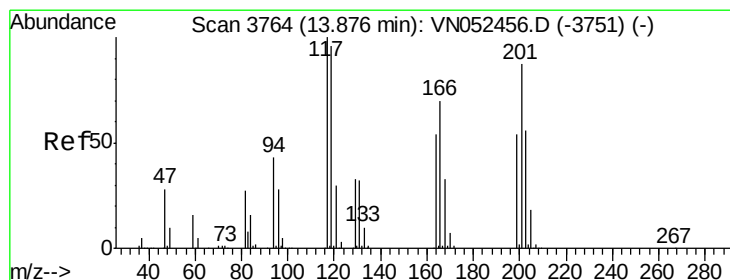
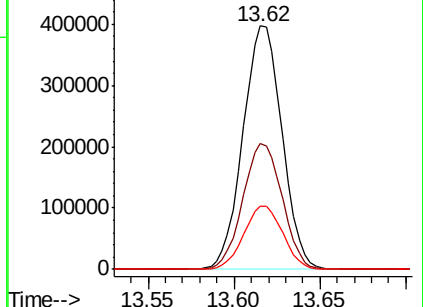
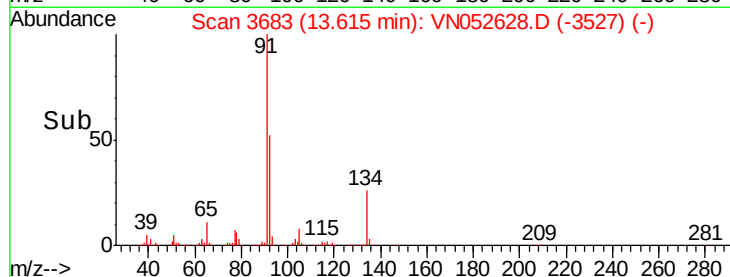
134 26.1 0.0 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN052456.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN052456.D (-3669) (-)



#86

Hexachloroethane

Concen: 19.385 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052628.D

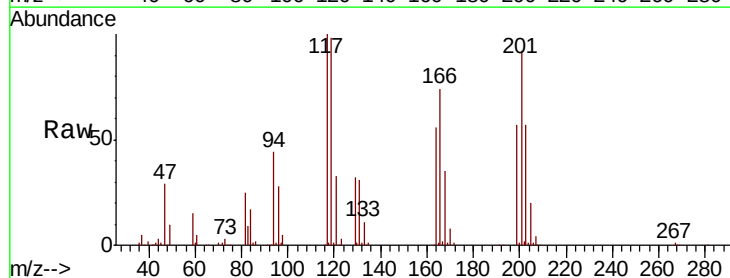
Acq: 3 Dec 2018 13:34

Tgt Ion: 117 Resp: 126689

Ion Ratio Lower Upper

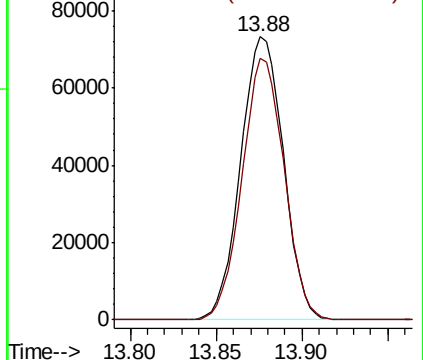
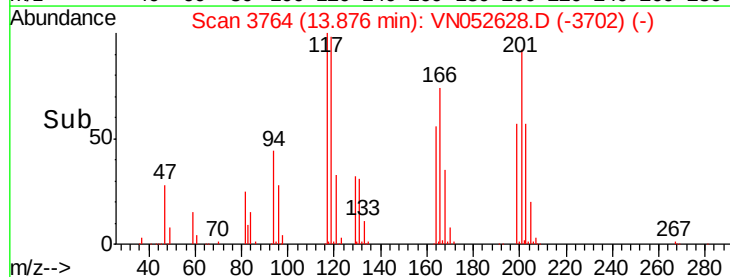
117 100

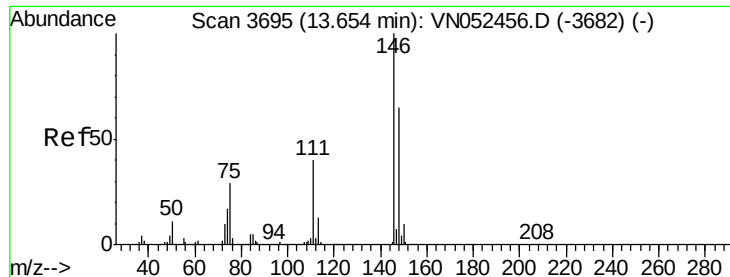
201 90.9 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): VN052456.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN052456.D (-3751) (-)

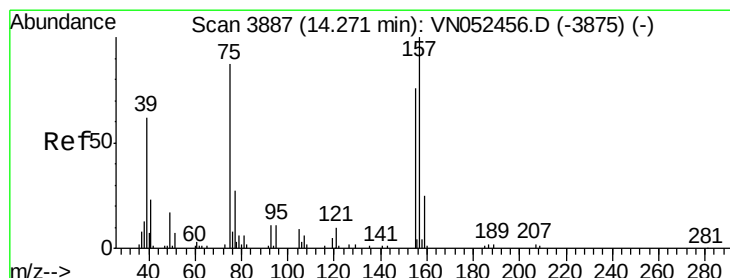
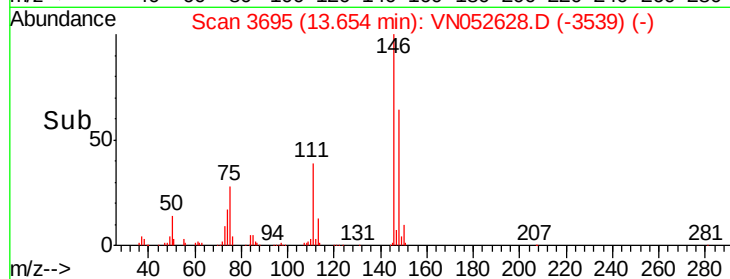
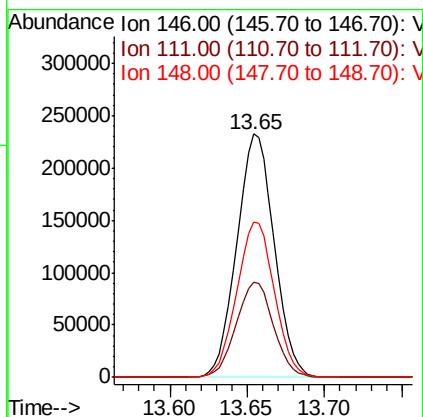
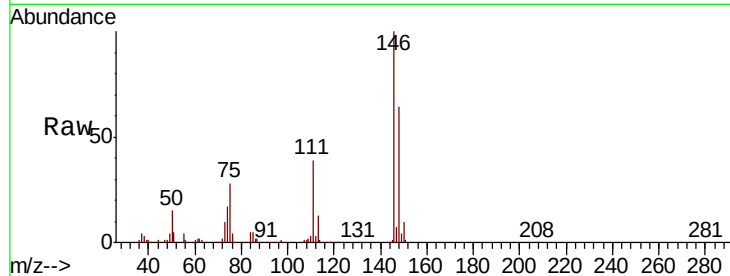




#87
 1,2-Dichlorobenzene
 Concen: 20.864 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

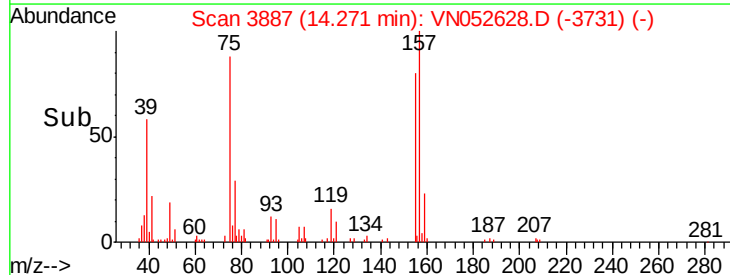
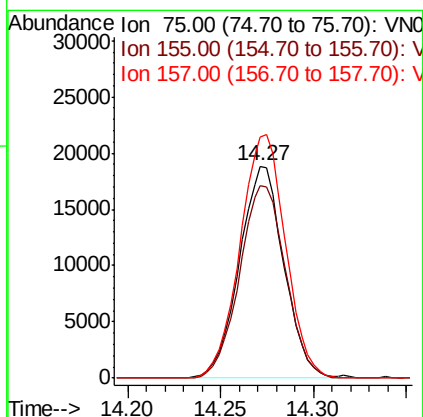
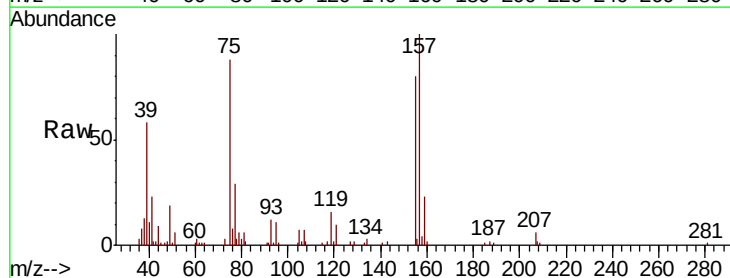
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

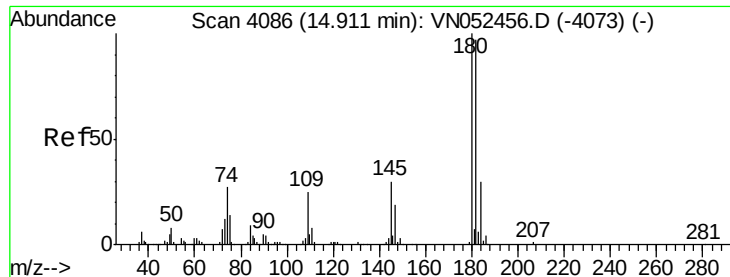
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.3	60.8
148	64.2	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.334 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.3	72.2	108.2
157	116.8	94.2	141.2

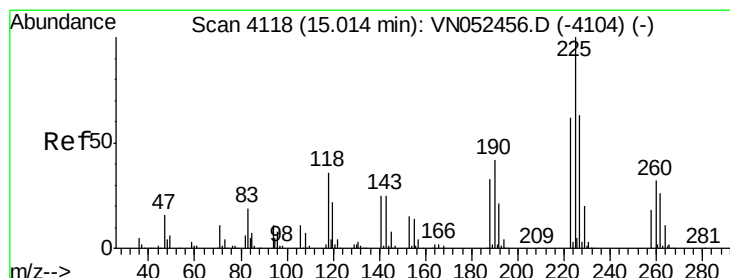
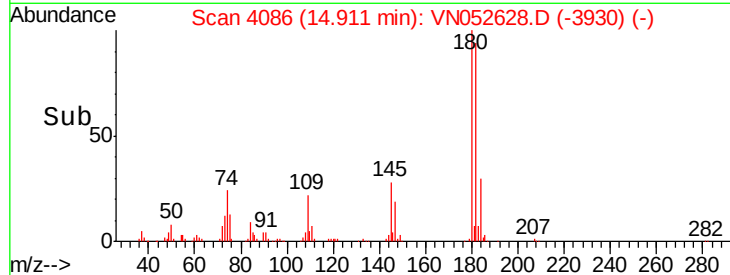
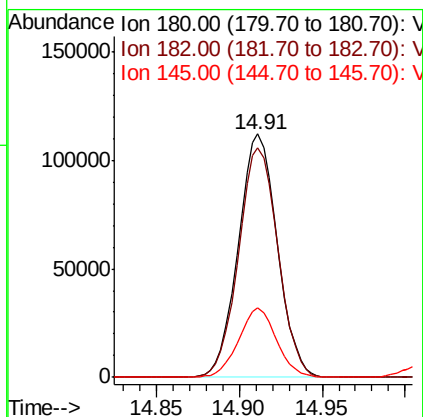
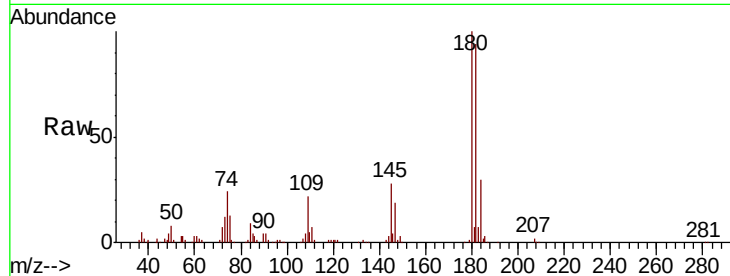




#89
 1,2,4-Trichlorobenzene
 Concen: 19.848 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

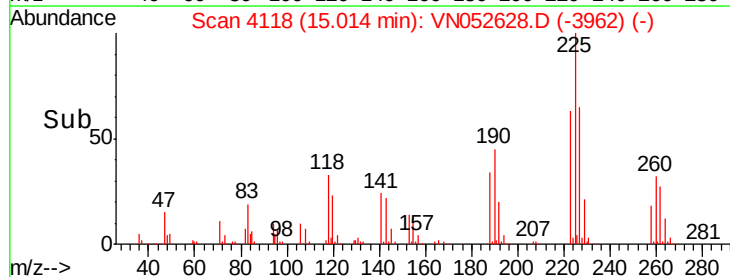
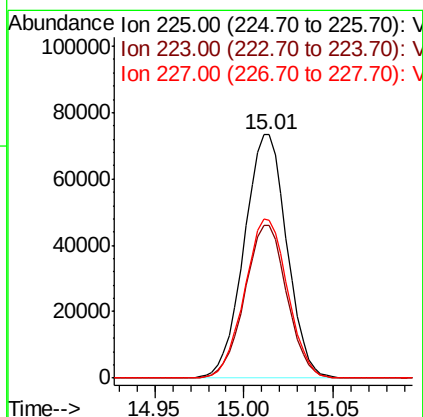
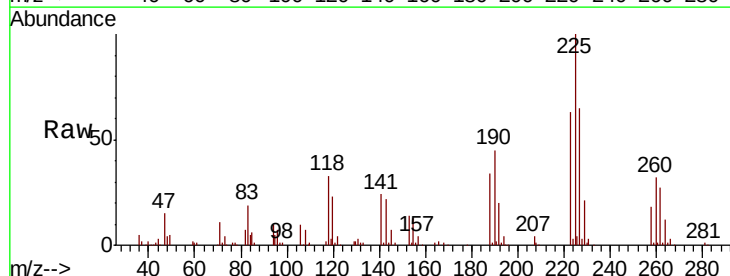
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

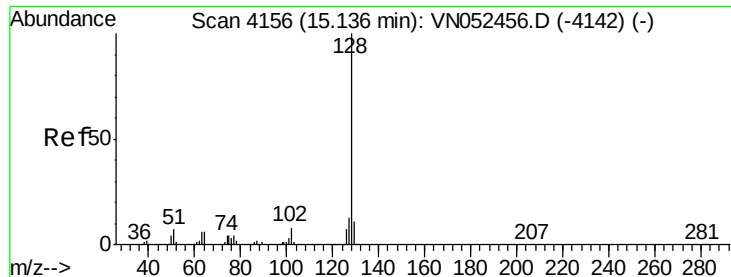
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.6	114.8
145	27.8	23.6	35.4



#90
 Hexachlorobutadiene
 Concen: 20.282 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN052628.D
 Acq: 3 Dec 2018 13:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	0.0	125.6
227	65.7	0.0	127.8

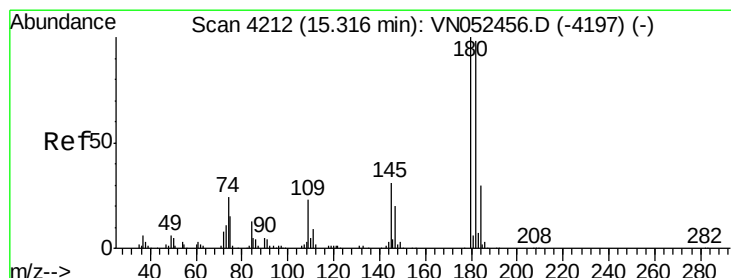
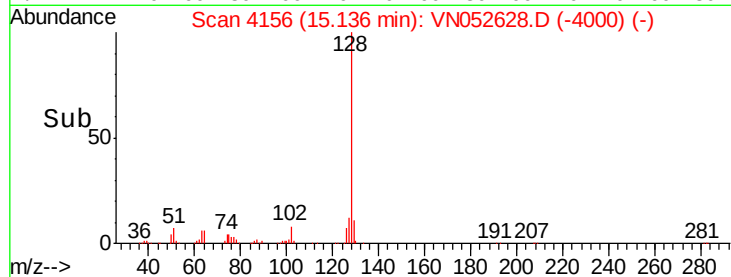
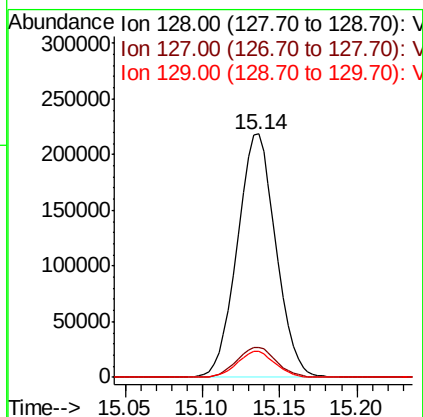
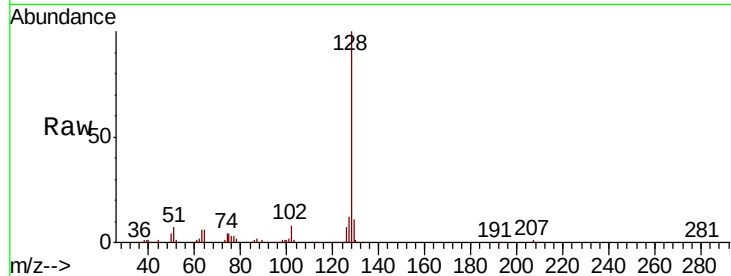




#91
Naphthalene
Concen: 20.358 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:128 Resp: 379062
Ion Ratio Lower Upper
128 100
127 12.6 9.9 14.9
129 10.6 8.5 12.7



#92
1,2,3-Trichlorobenzene
Concen: 20.946 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052628.D
Acq: 3 Dec 2018 13:34

Tgt Ion:180 Resp: 177979
Ion Ratio Lower Upper
180 100
182 93.8 0.0 196.2
145 29.4 0.0 62.2

