

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
 Data File : VN058241.D
 Acq On : 20 Sep 2019 11:42
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Sep 21 05:39:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	73604	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	433493	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	392368	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	202342	31.08	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.60%
60) 4-Bromofluorobenzene	12.40	95	198576	29.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.60%
63) Toluene-d8	10.09	98	559754	29.72	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.07%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	91374	20.547 ug/l	98
3) Chloromethane	2.03	50	97792	17.636 ug/l	98
4) Vinyl Chloride	2.17	62	98087	17.289 ug/l	99
5) Bromomethane	2.55	94	48329	13.650 ug/l	89
6) Chloroethane	2.69	64	62823	17.818 ug/l	100
7) Trichlorofluoromethane	3.00	101	122666	18.715 ug/l	98
8) Diethyl Ether	3.39	74	55722	21.073 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	83978	20.518 ug/l	99
10) 1,1-Dichloroethene	3.72	96	76269	19.597 ug/l	92
11) Methyl Iodide	3.93	142	79204	15.211 ug/l	100
12) Methyl Acetate	4.30	43	114993	21.530 ug/l	97
13) Acrolein	3.59	56	24613	84.934 ug/l	87
14) Acrylonitrile	4.96	53	219575	100.846 ug/l #	88
15) Acetone	3.80	58	53945	87.270 ug/l	99
16) Carbon Disulfide	4.03	76	160531	17.713 ug/l	96
17) Allyl chloride	4.30	41	146236	20.505 ug/l	96
18) Methylene Chloride	4.53	84	95679	19.509 ug/l	97
19) trans-1,2-Dichloroethene	5.01	96	85414	19.691 ug/l	94
20) Diisopropyl ether	5.93	45	332911	19.968 ug/l	98
21) 1,1-Dichloroethane	5.82	63	188904	20.548 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	104989	19.754 ug/l	97
23) tert-Butyl Alcohol	4.75	59	32495	45.715 ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	297876	19.968 ug/l #	100
25) Chloroform	7.36	83	189891	20.289 ug/l	99
26) Cyclohexane	7.64	56	154413	19.991 ug/l #	96
29) 1,1-Dichloropropene	7.78	75	130457	19.130 ug/l	96
30) 2-Butanone	6.82	43	295213	96.009 ug/l	99
31) 2,2-Dichloropropane	6.80	77	143900	19.987 ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	151676	19.782 ug/l	99
33) Carbon Tetrachloride	7.76	117	122455	19.578 ug/l	99
34) Benzene	8.03	78	401348	19.862 ug/l	97
35) Methacrylonitrile	7.19	41	191265	67.064 ug/l #	55
36) 1,2-Dichloroethane	8.11	62	156525	19.962 ug/l	100
37) Trichloroethene	8.82	130	97599	19.887 ug/l	97
38) Methylcyclohexane	9.07	83	152178	19.597 ug/l	99
39) 1,2-Dichloropropane	9.11	63	111354	19.623 ug/l	94
40) Dibromomethane	9.20	93	69377	20.101 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	137157	19.711	ug/l	95
42) Vinyl Acetate	5.87	43	1312419	106.199	ug/l	99
43) Ethyl Acetate	6.91	43	123148	19.630	ug/l #	78
44) Isopropyl Acetate	8.15	43	230918	21.111	ug/l #	93
45) 1,4-Dioxane	9.19	88	28682	333.703	ug/l	96
46) Methyl methacrylate	9.19	41	103623	19.394	ug/l	99
47) n-amyl Acetate	12.07	43	189658	18.875	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	139380	18.815	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	158734	19.098	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	99633	19.902	ug/l	96
51) Ethyl methacrylate	10.43	69	148512	19.132	ug/l	96
52) 1,3-Dichloropropane	10.71	76	173995	19.874	ug/l	100
53) Dibromochloromethane	10.90	129	91424	18.491	ug/l	99
54) 1,2-Dibromoethane	11.00	107	97185	19.511	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	377513	102.347	ug/l	99
56) Bromoform	12.13	173	54564	17.815	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	657924	108.126	ug/l	100
59) 2-Hexanone	10.75	43	461605	101.093	ug/l	100
61) Tetrachloroethene	10.63	164	81803	20.505	ug/l	97
62) Toluene	10.15	91	436085	20.072	ug/l	99
64) Chlorobenzene	11.43	112	266673	19.787	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	91383	19.528	ug/l	99
66) Ethyl Benzene	11.51	91	487671	20.567	ug/l	100
67) m/p-Xylenes	11.62	106	358148	39.574	ug/l	99
68) o-Xylene	11.95	106	173977	19.623	ug/l	100
69) Styrene	11.97	104	295912	19.575	ug/l	98
70) Isopropylbenzene	12.25	105	480228	20.488	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	144540	19.731	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	179521	27.611	ug/l	72
73) Bromobenzene	12.53	156	109645	19.539	ug/l	99
74) n-propylbenzene	12.59	91	558344	20.849	ug/l	100
75) 2-Chlorotoluene	12.68	91	333670	20.004	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	402554	20.169	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	33783	17.514	ug/l	92
78) 4-Chlorotoluene	12.78	91	332075	19.517	ug/l	99
79) tert-butylbenzene	13.00	119	348099	19.991	ug/l	98
80) 1,2,4-Trimethylbenzene	13.05	105	406361	20.433	ug/l	99
81) sec-Butylbenzene	13.18	105	472112	20.435	ug/l	99
82) p-Isopropyltoluene	13.29	119	413333	19.977	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	201921	19.359	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	201175	19.590	ug/l	99
85) n-Butylbenzene	13.62	91	376958	19.549	ug/l	99
86) Hexachloroethane	13.88	117	59383	18.019	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	202062	19.957	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.28	75	25008	19.389	ug/l	99
89) 1,2,4-Trichlorobenzene	14.92	180	125110	20.228	ug/l	98
90) Hexachlorobutadiene	15.01	225	61700	21.722	ug/l	99
91) Naphthalene	15.13	128	345173	20.283	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	123028	20.857	ug/l	97

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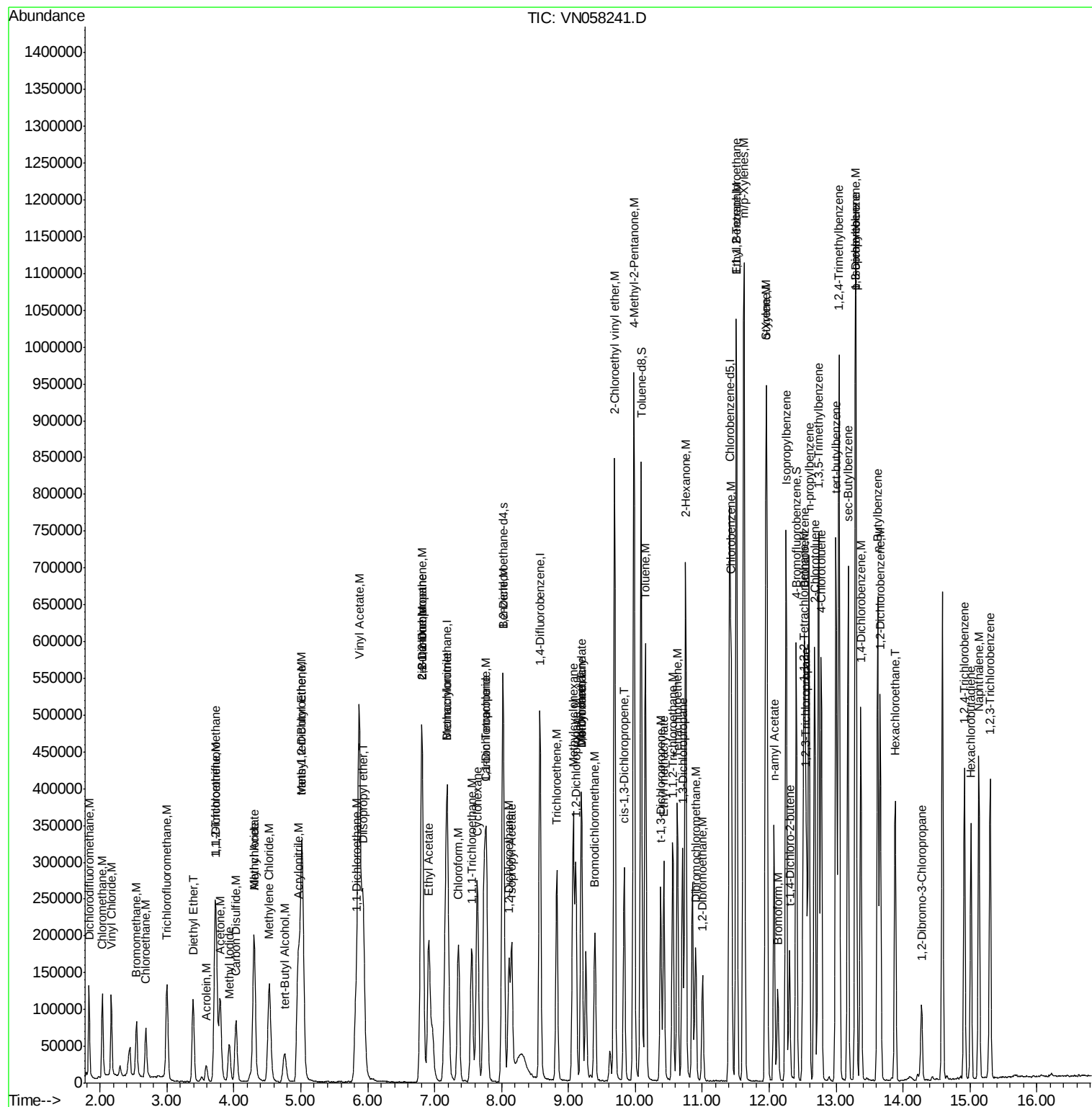
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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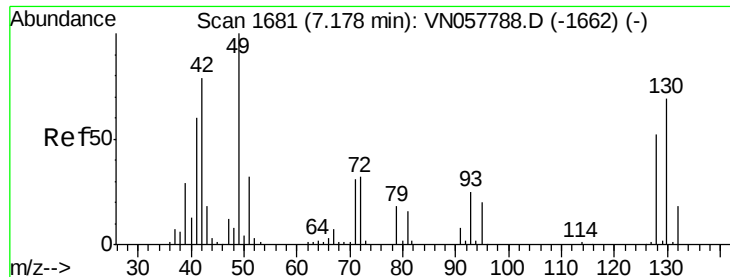
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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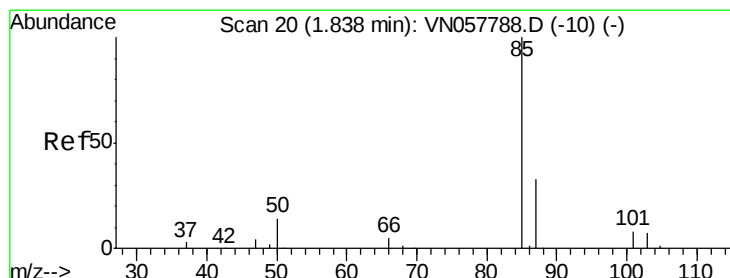
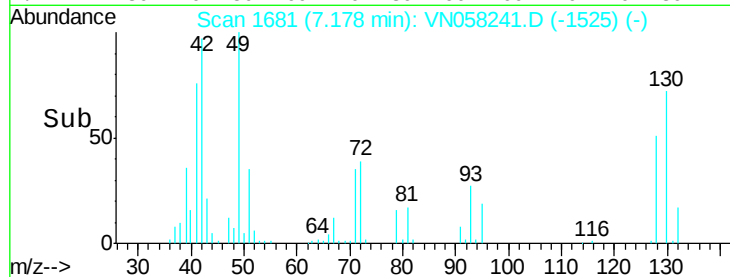
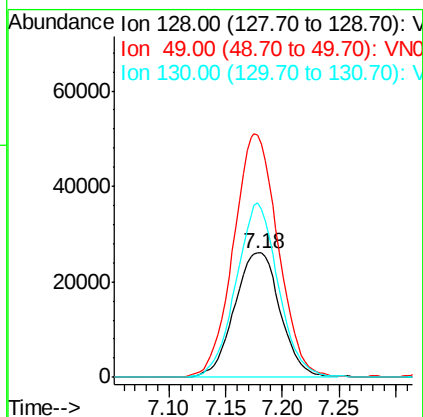
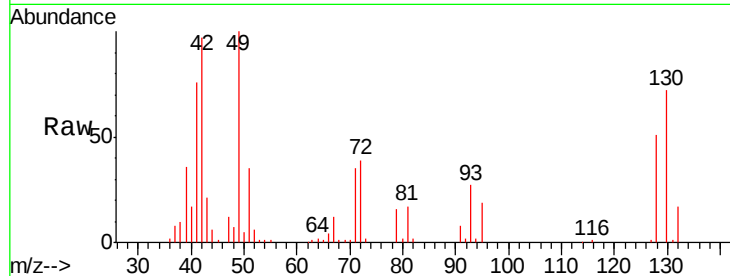




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

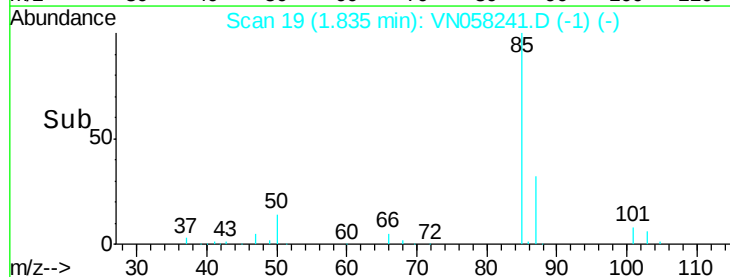
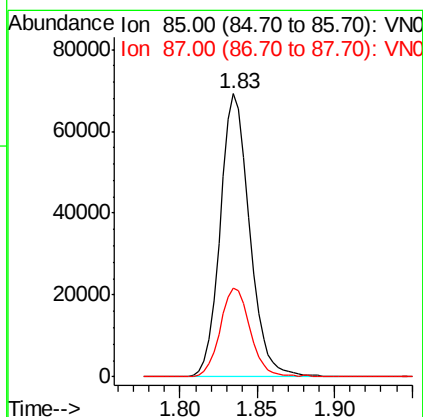
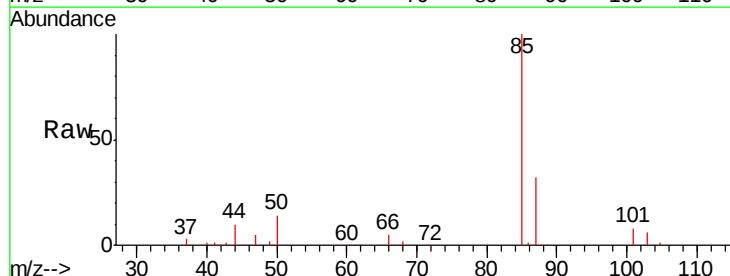
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

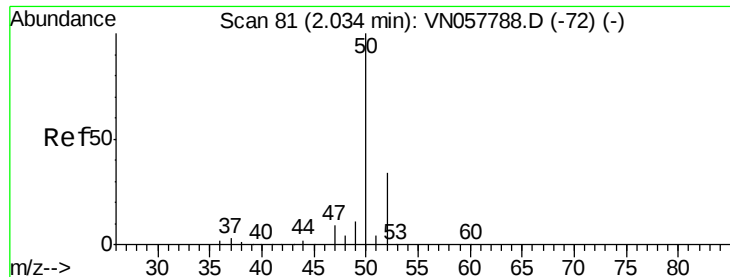
Tgt Ion:128 Resp: 73604
 Ion Ratio Lower Upper
 128 100
 49 190.2 0.0 486.5
 130 128.6 0.0 324.5



#2
 Dichlorodifluoromethane
 Concen: 20.547 ug/l
 RT: 1.83 min Scan# 19
 Delta R.T. -0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion: 85 Resp: 91374
 Ion Ratio Lower Upper
 85 100
 87 31.5 16.4 49.4

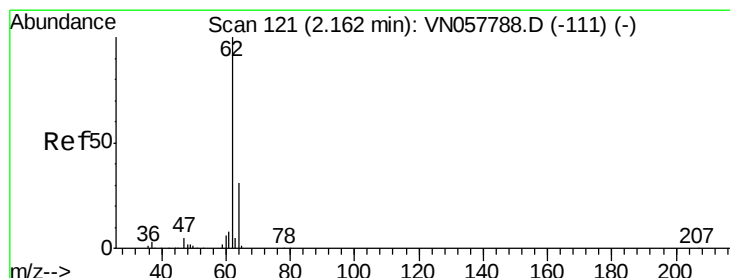
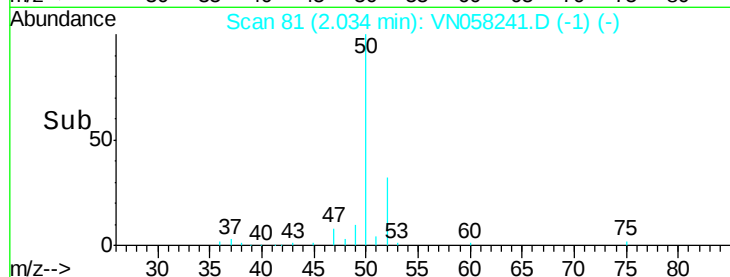
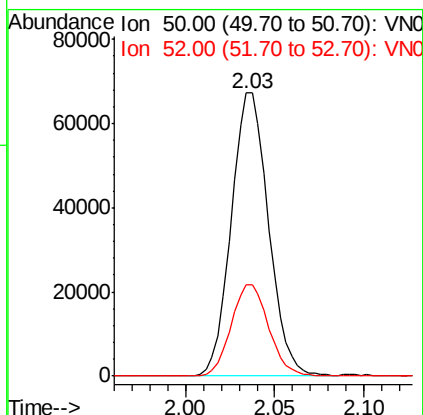
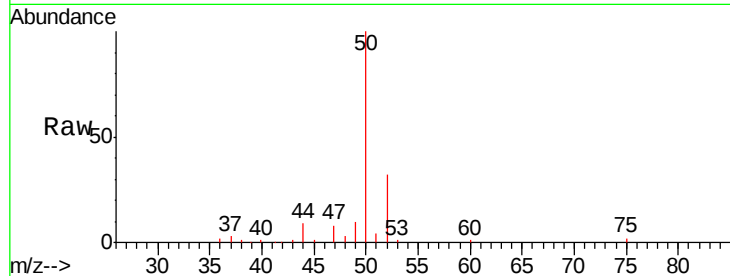




#3
Chloromethane
Concen: 17.636 ug/l
RT: 2.03 min Scan# 81
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

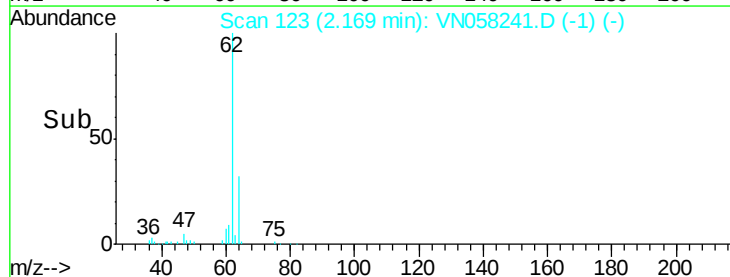
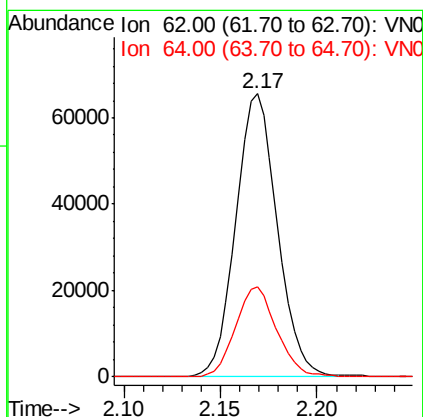
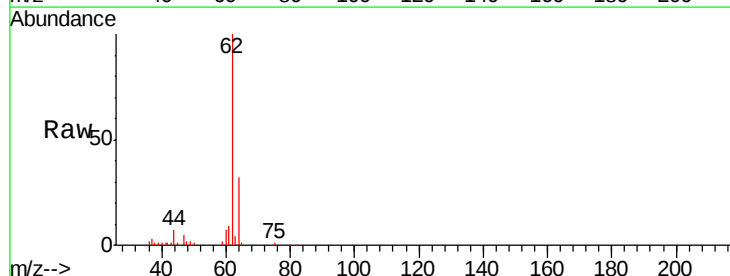
Instrument :
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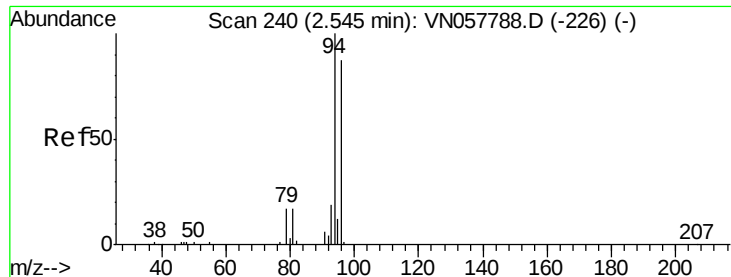
Tgt Ion: 50 Resp: 97792
Ion Ratio Lower Upper
50 100
52 32.2 26.9 40.3



#4
Vinyl Chloride
Concen: 17.289 ug/l
RT: 2.17 min Scan# 123
Delta R.T. 0.01 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion: 62 Resp: 98087
Ion Ratio Lower Upper
62 100
64 31.7 25.0 37.6





#5

Bromomethane

Concen: 13.650 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

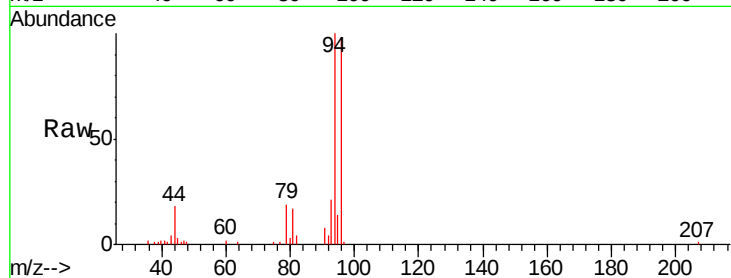
VSTDCCC020EC

Tgt Ion: 94 Resp: 48329

Ion Ratio Lower Upper

94 100

96 97.1 69.2 103.8



Abundance Ion 94.00 (93.70 to 94.70): VN058241.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VN058241.D (-127) (-)

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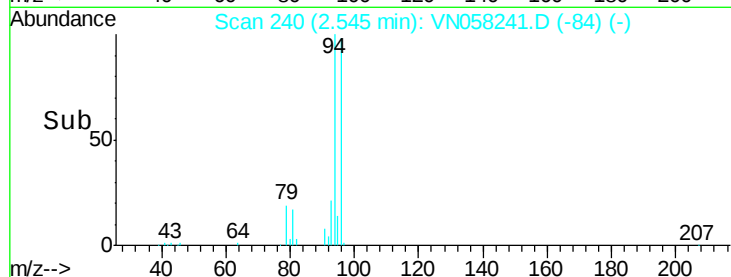
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2.55

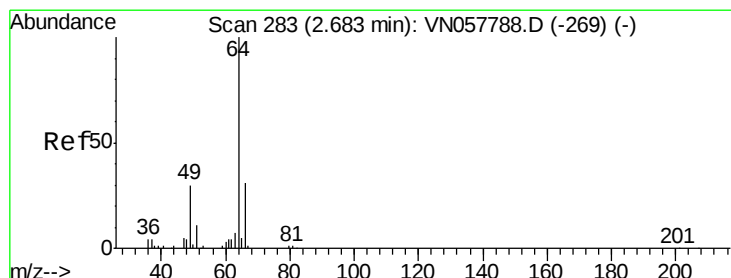
2.55

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2.55



Time-->



#6

Chloroethane

Concen: 17.818 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058241.D

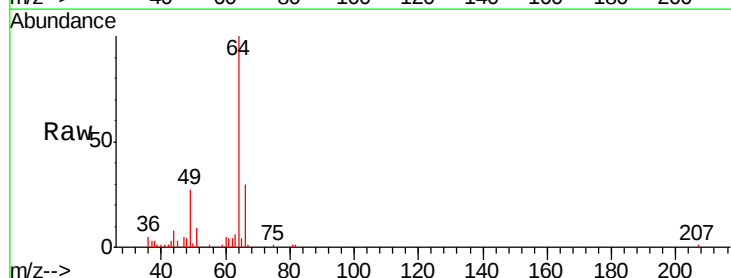
Acq: 20 Sep 2019 11:42

Tgt Ion: 64 Resp: 62823

Ion Ratio Lower Upper

64 100

66 30.4 24.4 36.6



Abundance Ion 64.00 (63.70 to 64.70): VN058241.D (-127) (-)

Ion 66.00 (65.70 to 66.70): VN058241.D (-127) (-)

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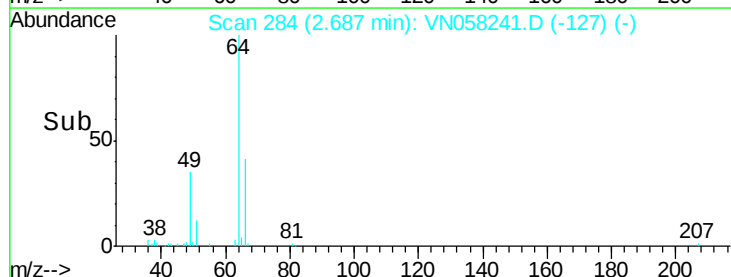
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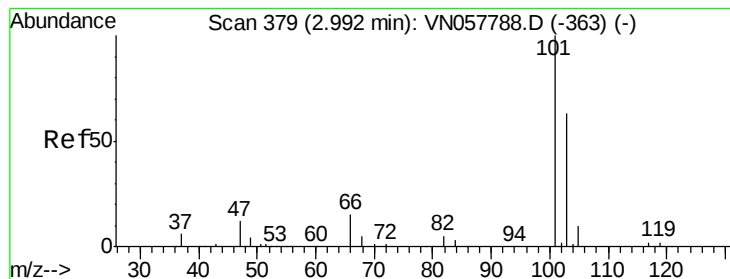
2.69

2.69

2.69



Time-->

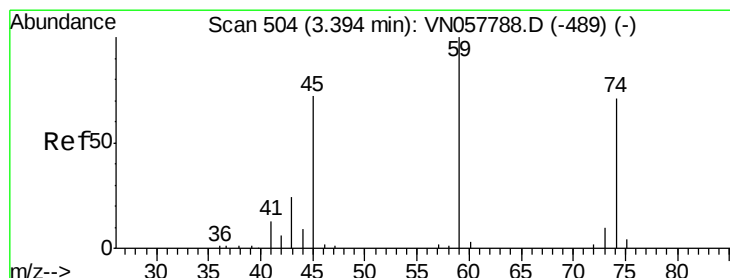
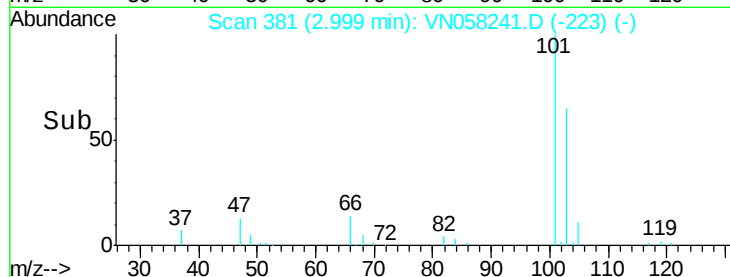
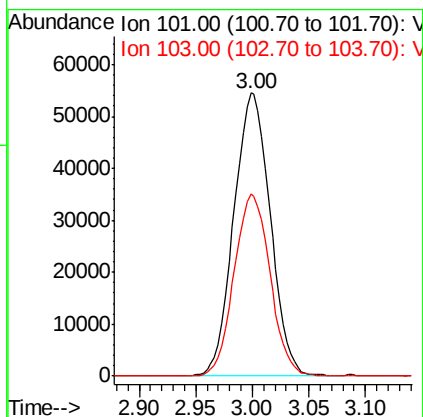
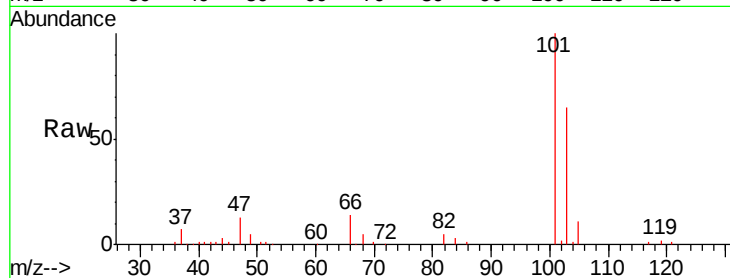


#7

Trichlorofluoromethane
 Concen: 18.715 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Instrument :
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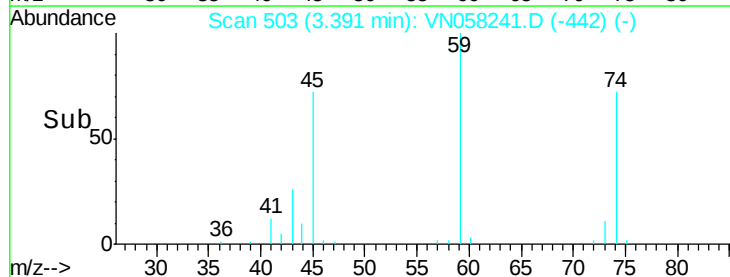
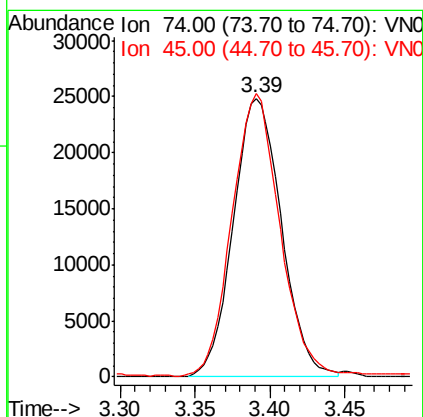
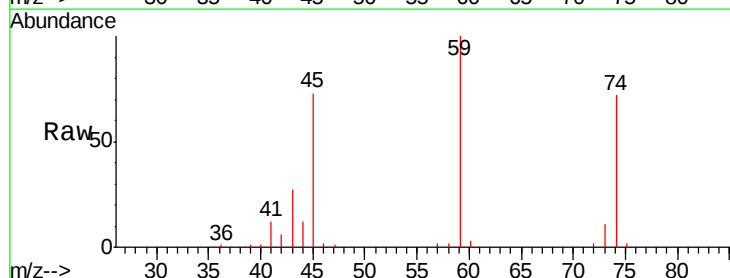
Tgt Ion: 101 Resp: 122666
 Ion Ratio Lower Upper
 101 100
 103 64.6 50.2 75.2

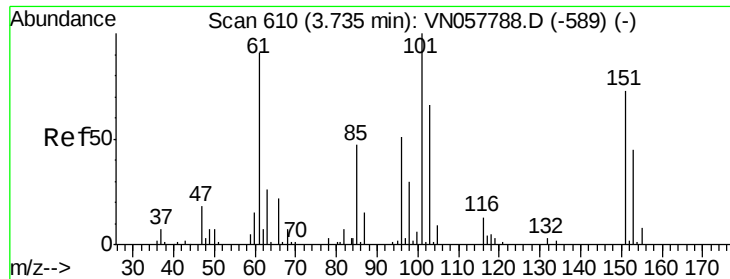


#8

Diethyl Ether
 Concen: 21.073 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion: 74 Resp: 55722
 Ion Ratio Lower Upper
 74 100
 45 101.6 20.3 182.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.518 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

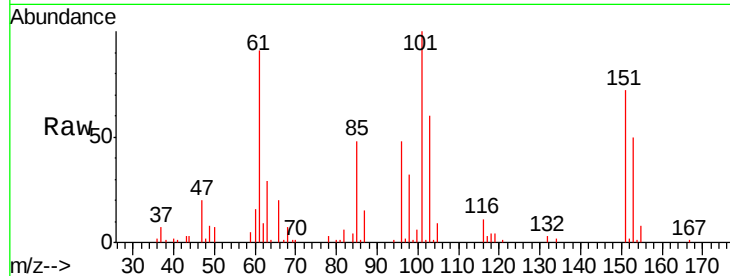
Tgt Ion:101 Resp: 83978

Ion Ratio Lower Upper

101 100

85 47.7 0.0 94.0

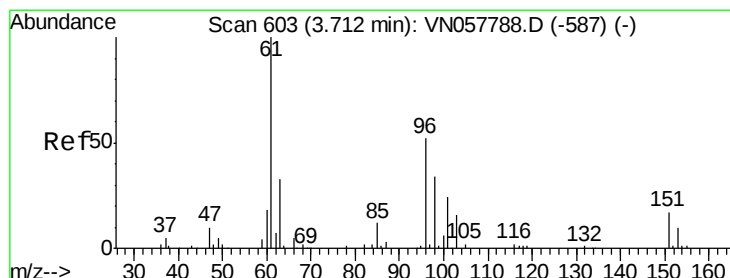
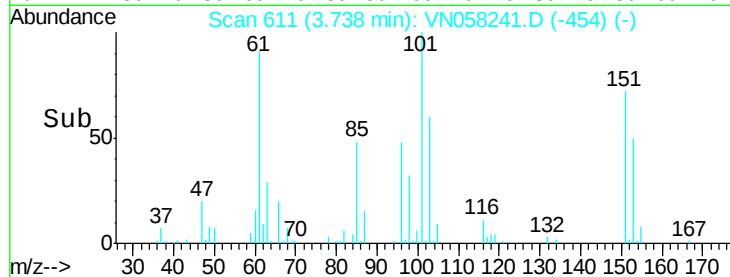
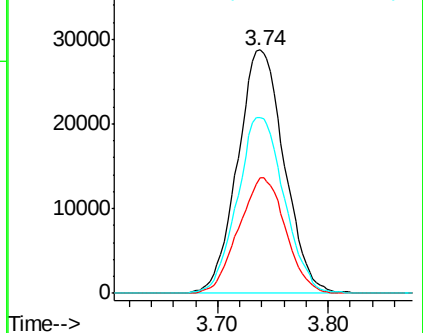
151 72.9 0.0 144.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.597 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.01 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

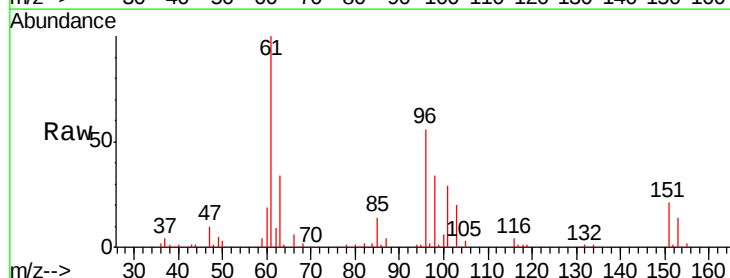
Tgt Ion: 96 Resp: 76269

Ion Ratio Lower Upper

96 100

61 177.2 153.4 230.0

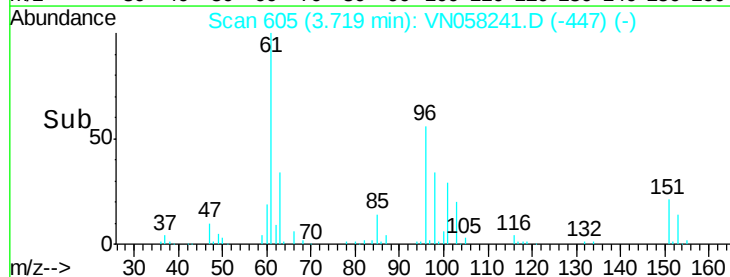
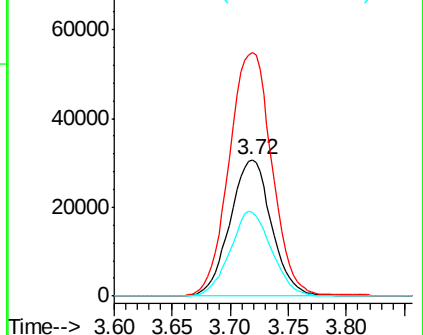
98 61.3 51.5 77.3

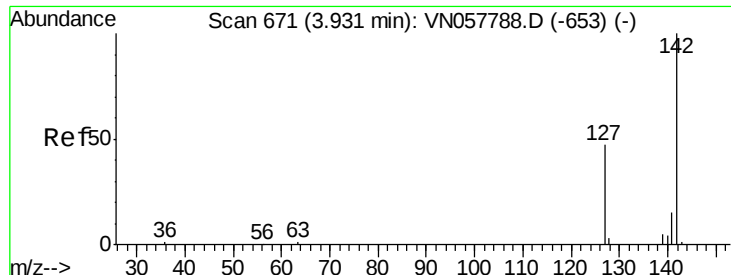


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

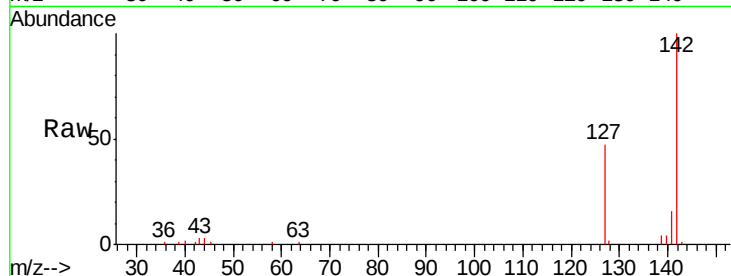




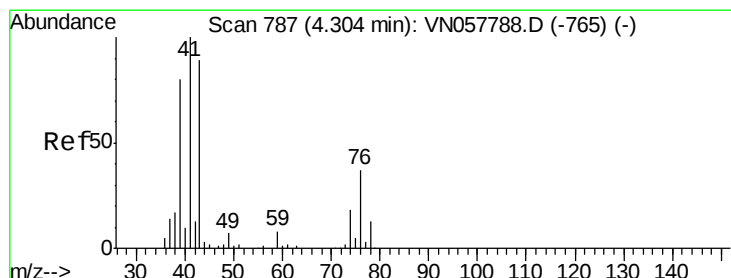
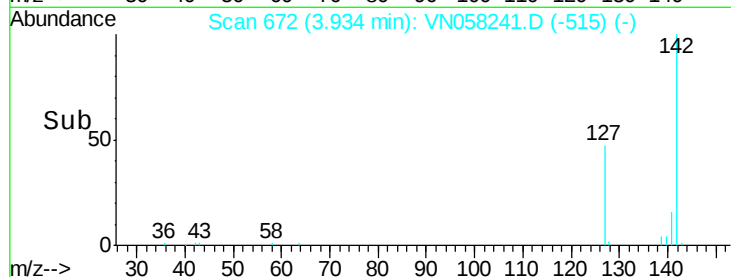
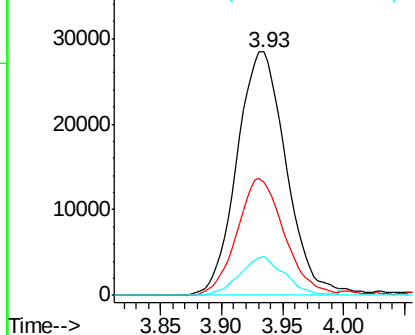
#11
Methyl Iodide
Concen: 15.211 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 142 Resp: 79204
Ion Ratio Lower Upper
142 100
127 46.6 23.3 69.8
141 15.6 7.5 22.6

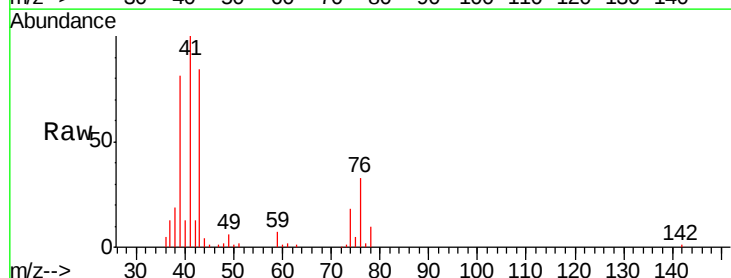


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

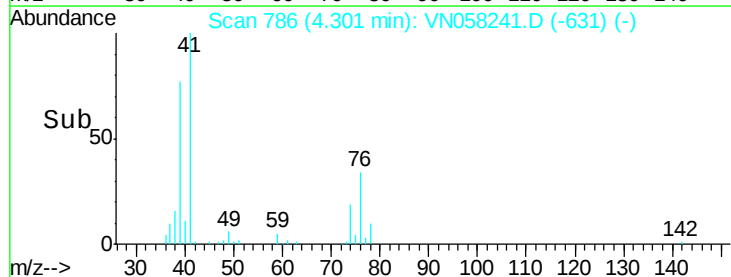
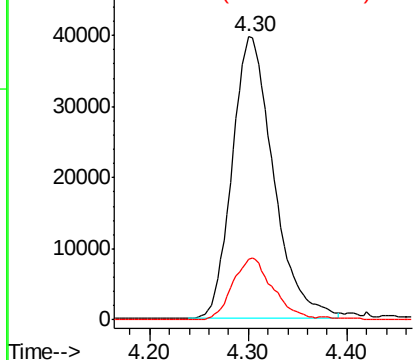


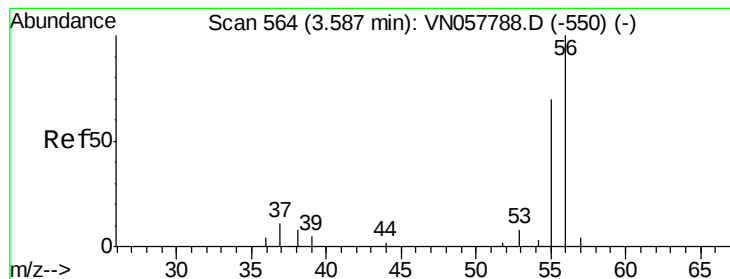
#12
Methyl Acetate
Concen: 21.530 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion: 43 Resp: 114993
Ion Ratio Lower Upper
43 100
74 21.5 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 84.934 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

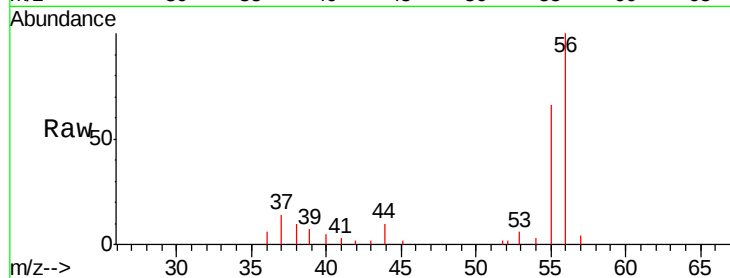
VSTDCCC020EC

Tgt Ion: 56 Resp: 24613

Ion Ratio Lower Upper

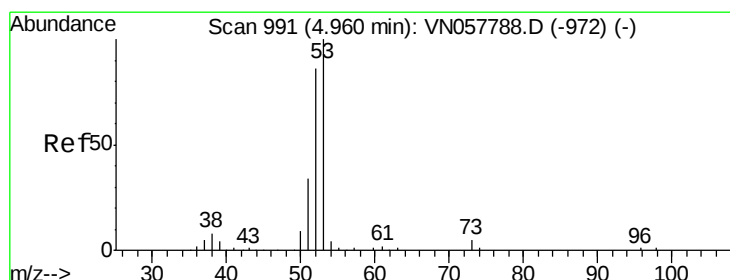
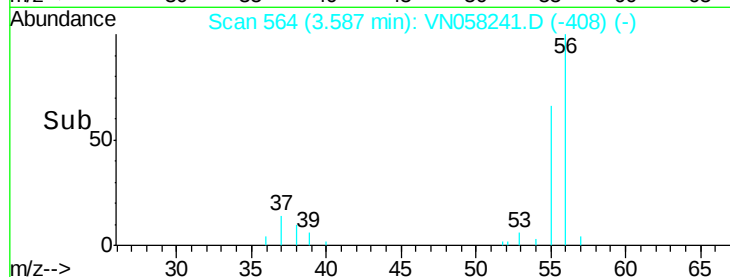
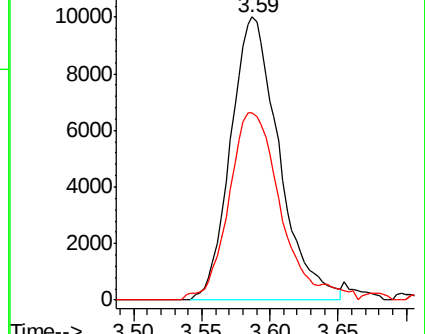
56 100

55 62.9 59.0 88.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 100.846 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

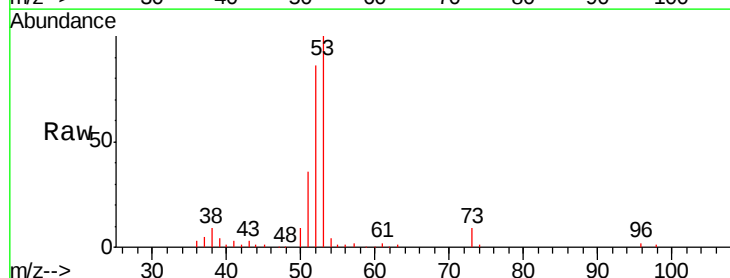
Tgt Ion: 53 Resp: 219575

Ion Ratio Lower Upper

53 100

52 86.0 41.0 123.0

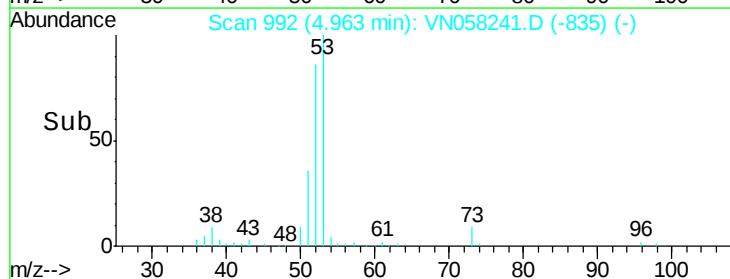
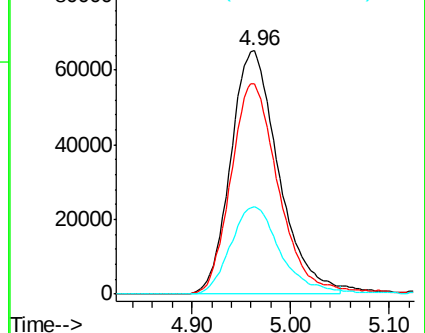
51 37.6 8.6 25.8#

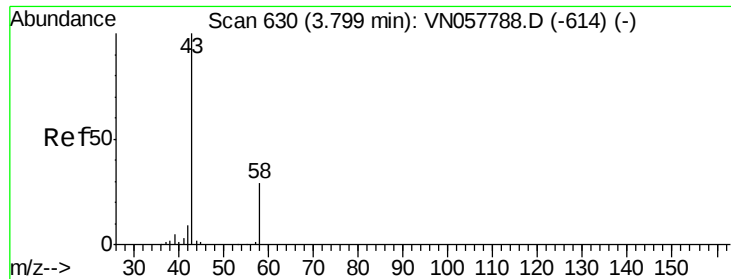


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 87.270 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

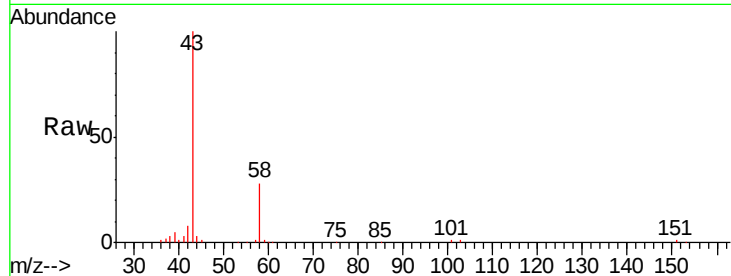
VSTDCCC020EC

Tgt Ion: 58 Resp: 53945

Ion Ratio Lower Upper

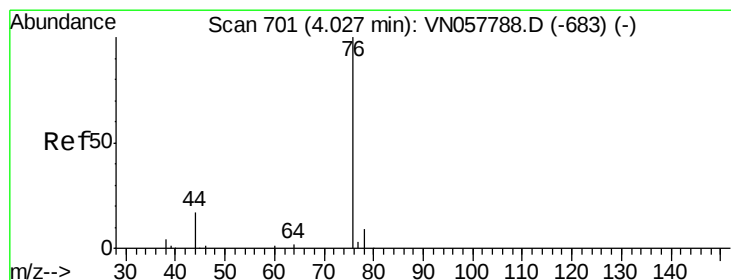
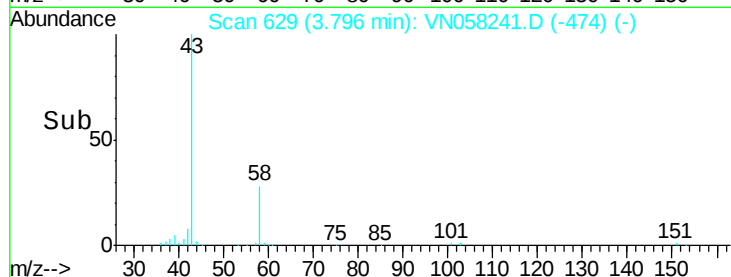
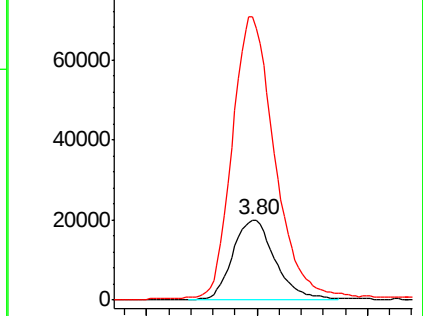
58 100

43 349.3 277.7 416.5



Abundance Ion 58.00 (57.70 to 58.70): VN057788.D (-614) (-)

Ion 43.00 (42.70 to 43.70): VN057788.D (-614) (-)



#16

Carbon Disulfide

Concen: 17.713 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058241.D

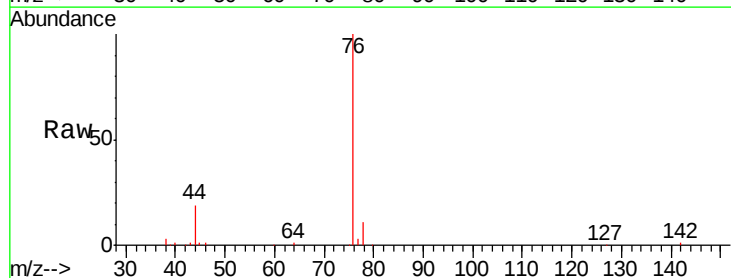
Acq: 20 Sep 2019 11:42

Tgt Ion: 76 Resp: 160531

Ion Ratio Lower Upper

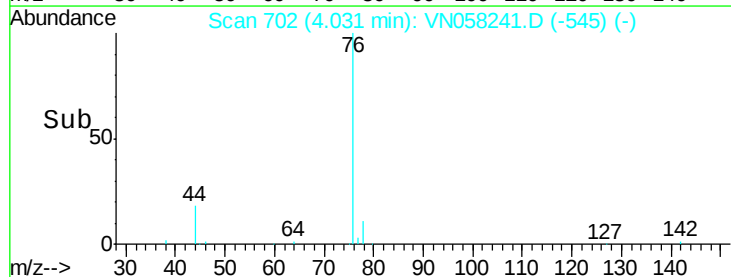
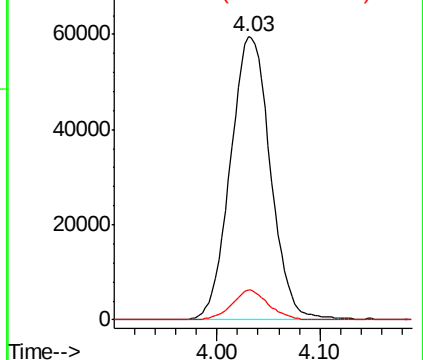
76 100

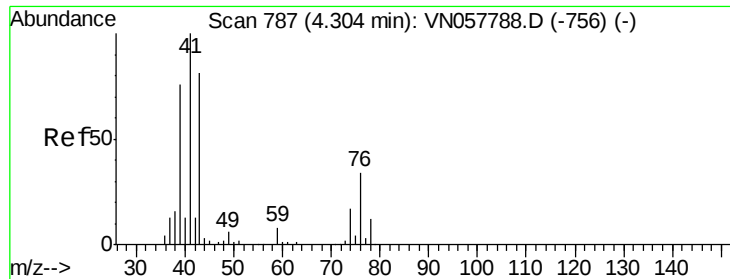
78 10.7 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN057788.D (-683) (-)

Ion 78.00 (77.70 to 78.70): VN057788.D (-683) (-)





#17

Allyl chloride

Concen: 20.505 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

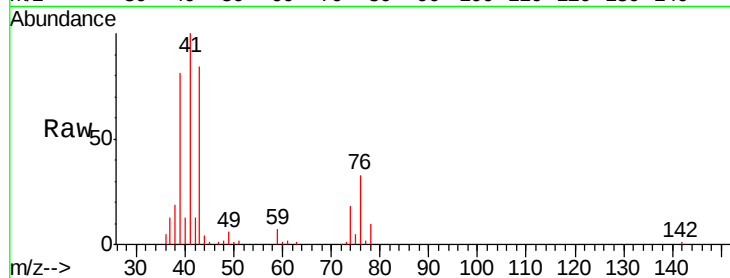
Tgt Ion: 41 Resp: 146236

Ion Ratio Lower Upper

41 100

39 81.4 38.5 115.3

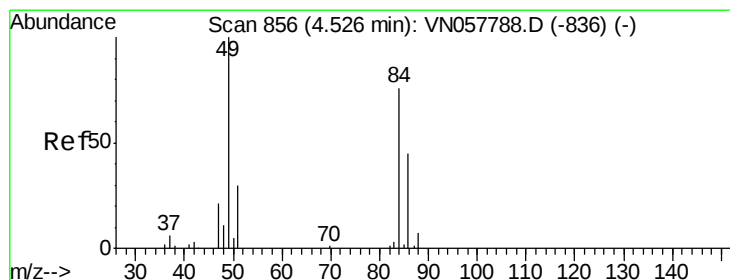
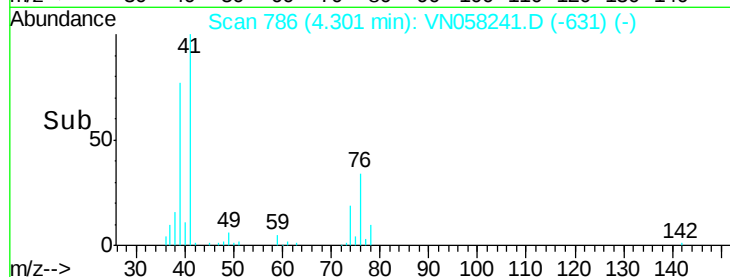
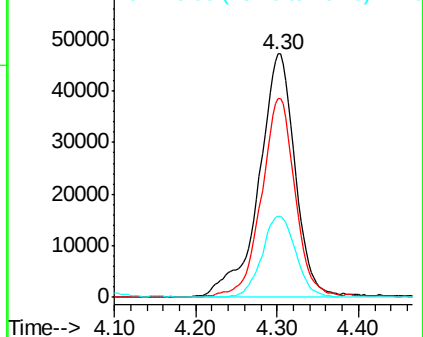
76 33.3 17.2 51.6



Abundance Ion 41.00 (40.70 to 41.70): VN057788.D (-756) (-)

Ion 39.00 (38.70 to 39.70): VN057788.D (-756) (-)

Ion 76.00 (75.70 to 76.70): VN057788.D (-756) (-)



#18

Methylene Chloride

Concen: 19.509 ug/l

RT: 4.53 min Scan# 858

Delta R.T. 0.01 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Tgt Ion: 84 Resp: 95679

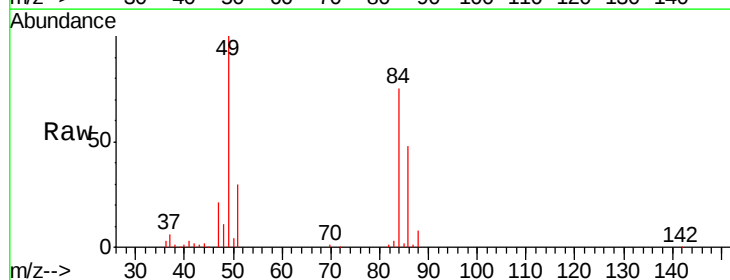
Ion Ratio Lower Upper

84 100

49 133.6 105.4 158.2

51 40.7 31.3 46.9

86 64.6 47.3 70.9

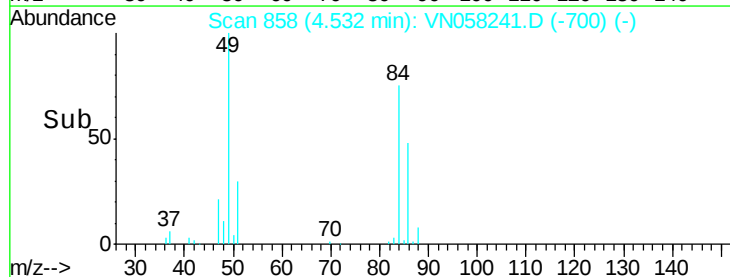
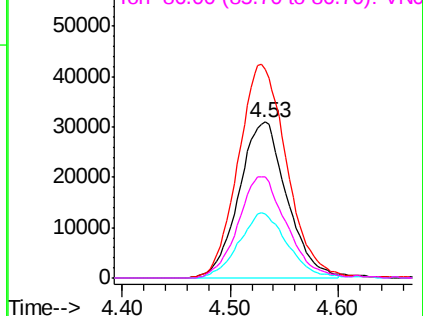


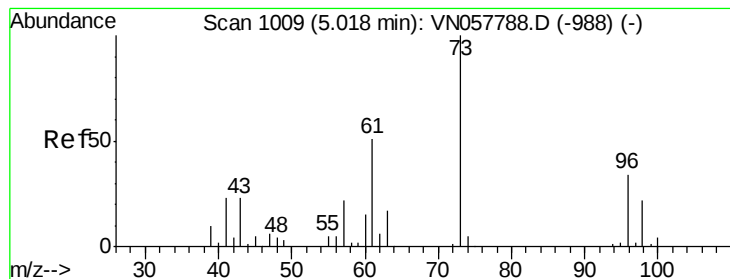
Abundance Ion 84.00 (83.70 to 84.70): VN057788.D (-836) (-)

Ion 49.00 (48.70 to 49.70): VN057788.D (-836) (-)

Ion 51.00 (50.70 to 51.70): VN057788.D (-836) (-)

Ion 86.00 (85.70 to 86.70): VN057788.D (-836) (-)





#19

trans-1,2-Dichloroethene

Concen: 19.691 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

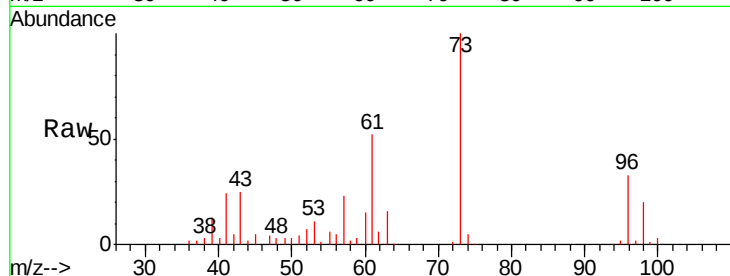
Tgt Ion: 96 Resp: 85414

Ion Ratio Lower Upper

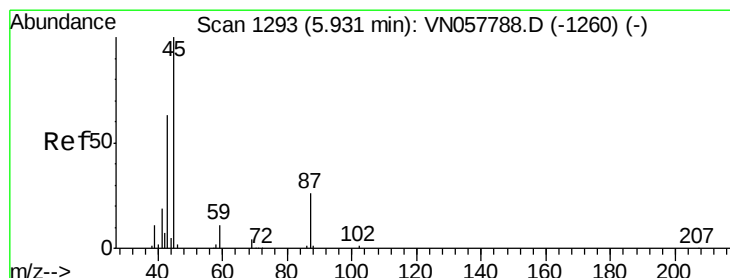
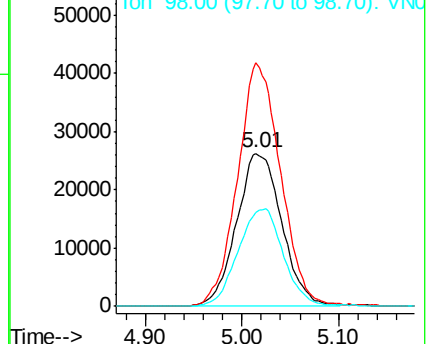
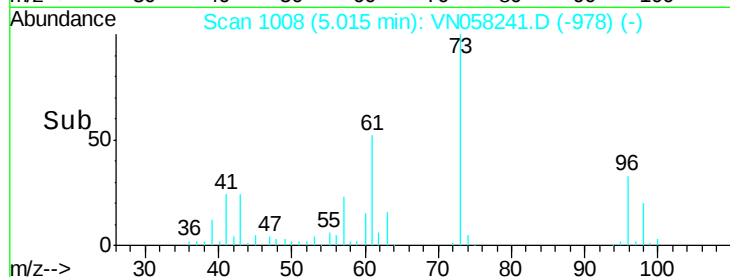
96 100

61 158.2 121.0 181.6

98 61.4 52.7 79.1



Abundance Ion 96.00 (95.70 to 96.70): VN058241.D (-978) (-)



#20

Diisopropyl ether

Concen: 19.968 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Tgt Ion: 45 Resp: 332911

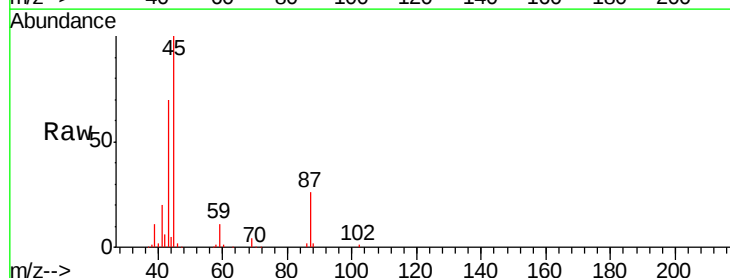
Ion Ratio Lower Upper

45 100

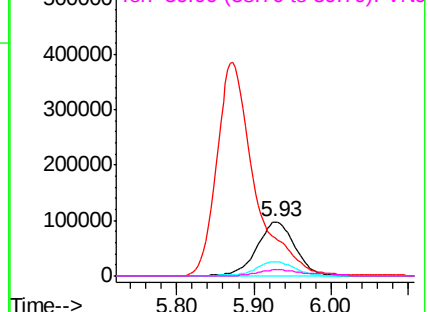
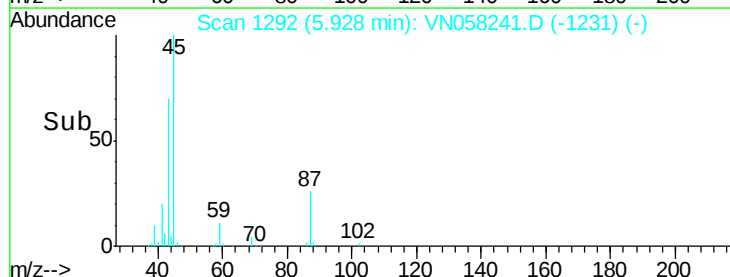
43 66.6 55.2 82.8

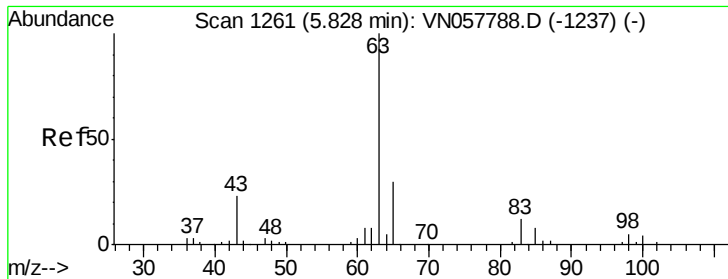
87 26.1 21.3 31.9

59 10.7 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN058241.D (-1231) (-)

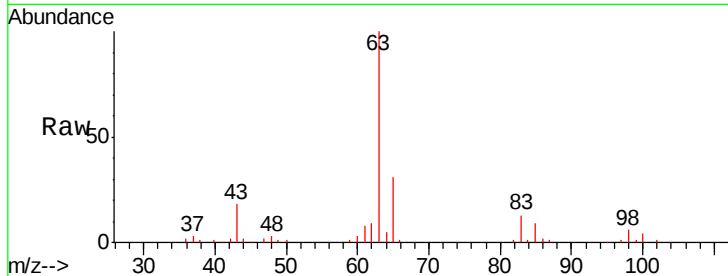




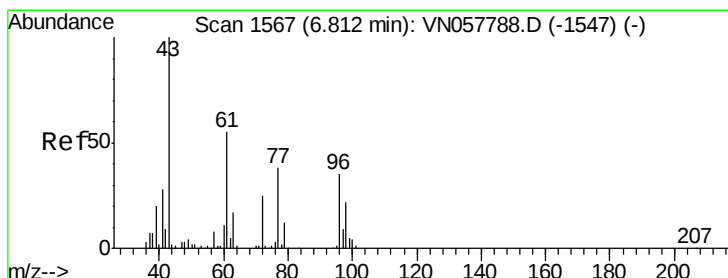
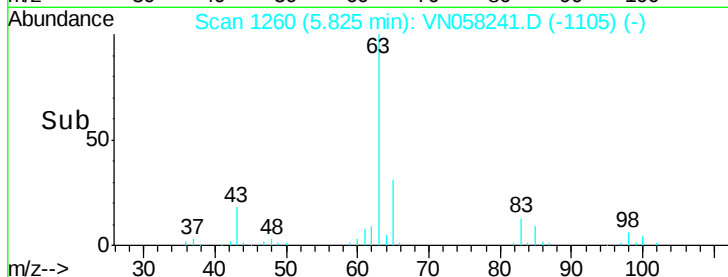
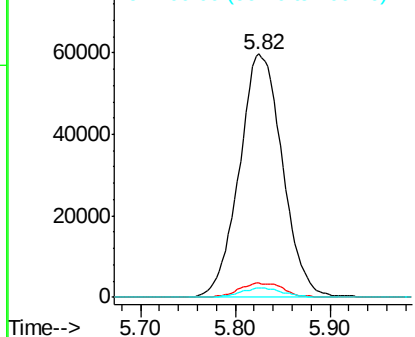
#21
 1,1-Dichloroethane
 Concen: 20.548 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 63 Resp: 188904
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.8 8.3
 100 3.8 1.8 5.5

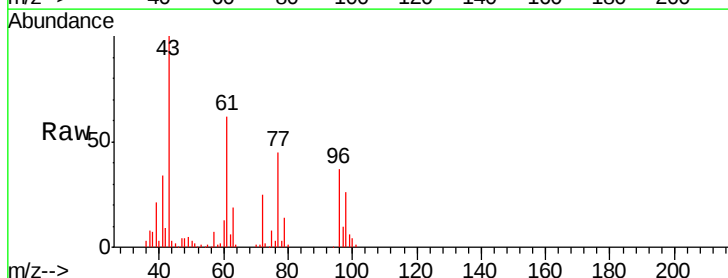


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

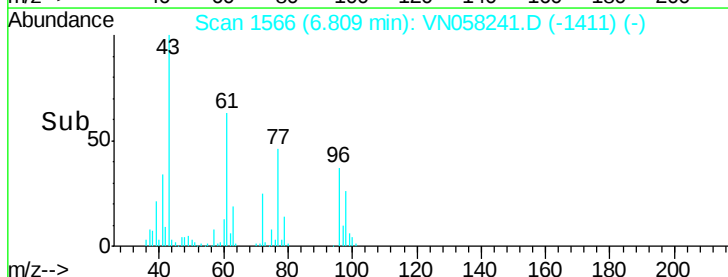
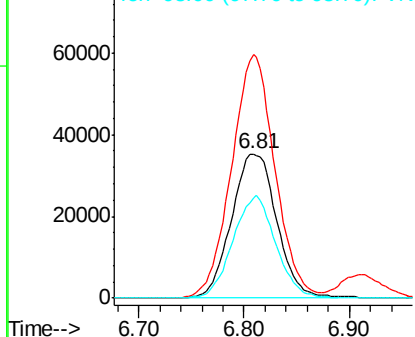


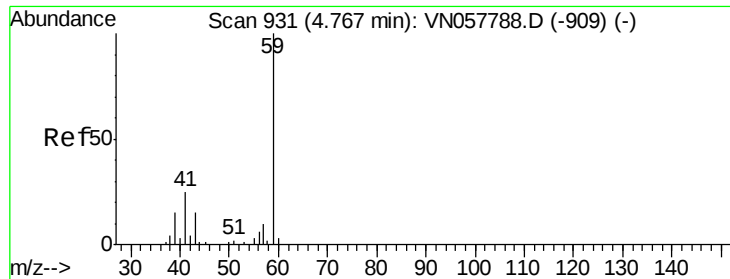
#22
 cis-1,2-Dichloroethene
 Concen: 19.754 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion: 96 Resp: 104989
 Ion Ratio Lower Upper
 96 100
 61 162.3 127.4 191.0
 98 67.2 51.5 77.3



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



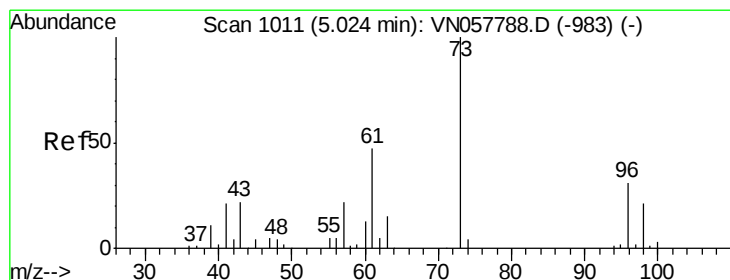
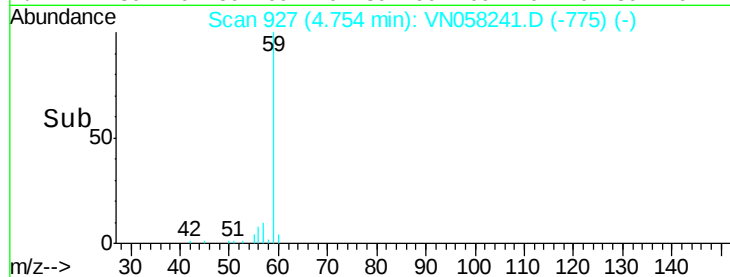
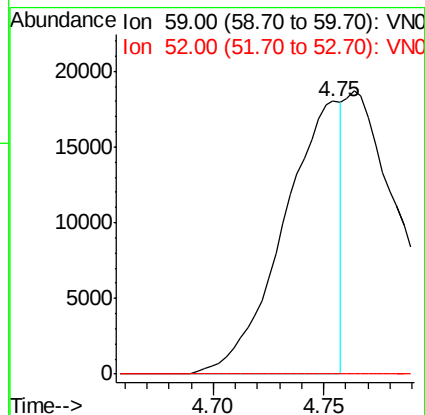
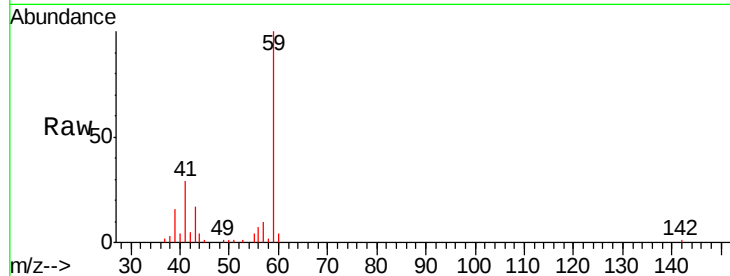


#23

tert-Butyl Alcohol
Concen: 45.715 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.01 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

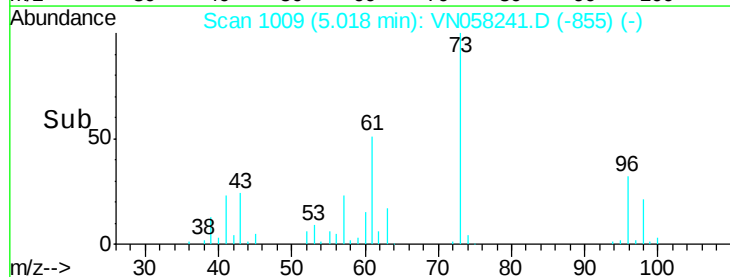
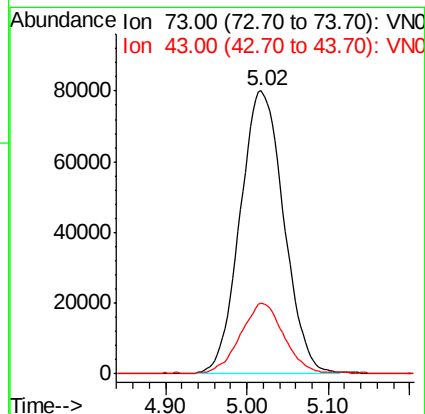
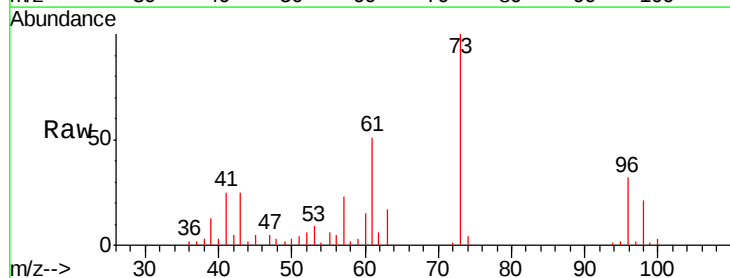
Tgt Ion: 59 Resp: 32495
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

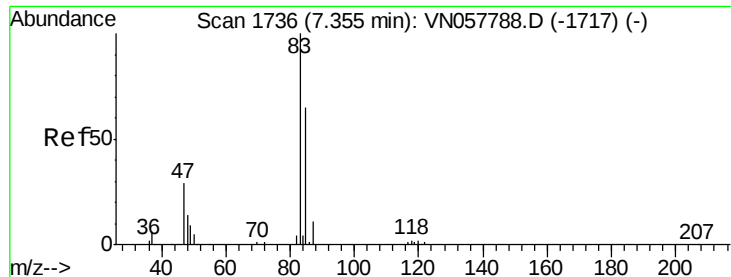


#24

Methyl tert-Butyl Ether
Concen: 19.968 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion: 73 Resp: 297876
Ion Ratio Lower Upper
73 100
43 24.3 0.0 0.0#





#25

Chloroform

Concen: 20.289 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

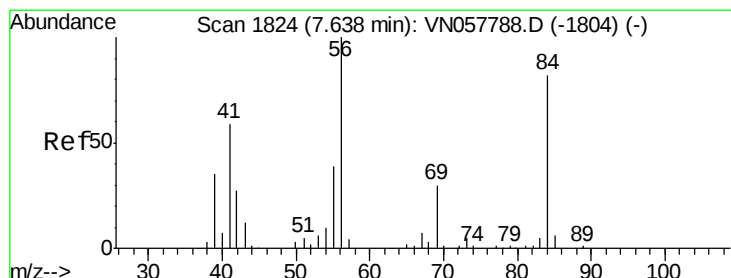
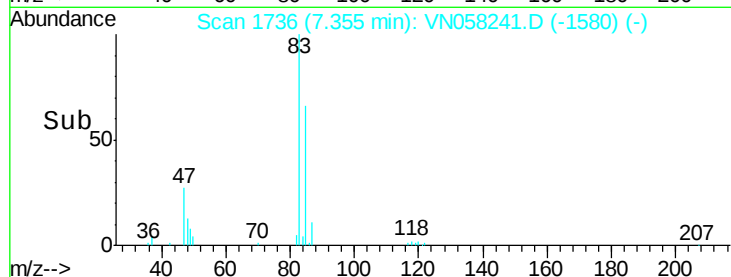
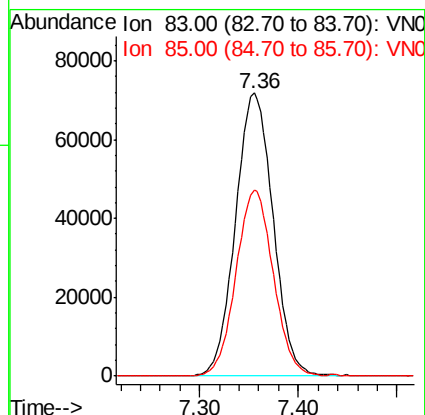
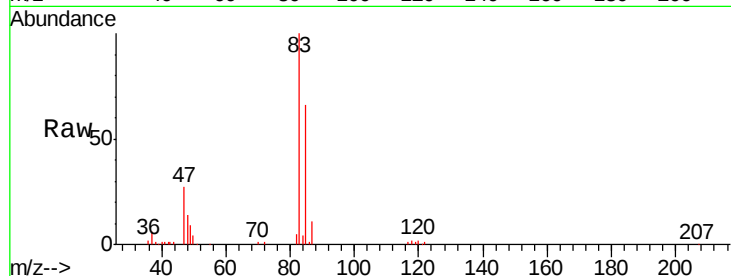
VSTDCCC020EC

Tgt Ion: 83 Resp: 189891

Ion Ratio Lower Upper

83 100

85 65.7 51.8 77.6



#26

Cyclohexane

Concen: 19.991 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

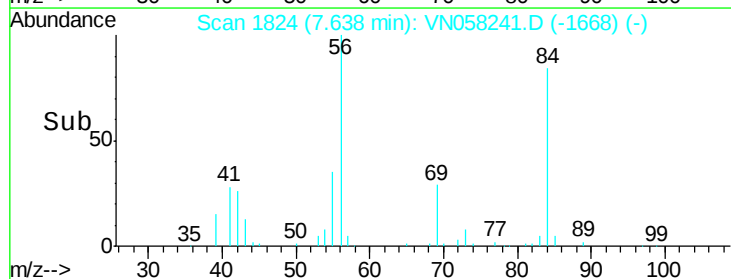
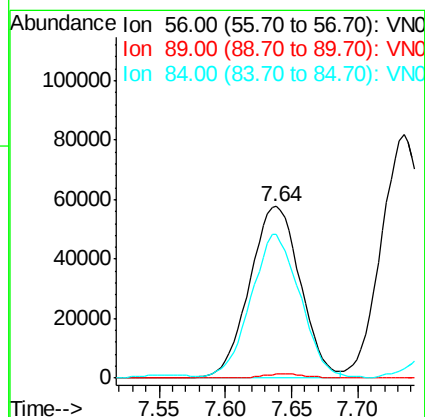
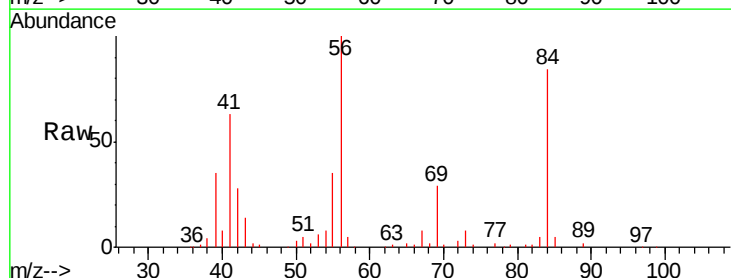
Tgt Ion: 56 Resp: 154413

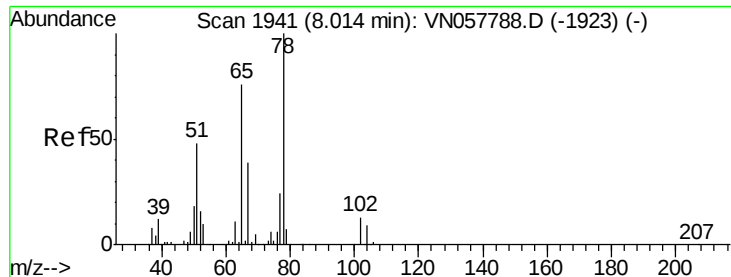
Ion Ratio Lower Upper

56 100

89 2.0 0.3 0.5#

84 80.0 66.6 100.0





#27

1,2-Dichloroethane-d4

Concen: 31.079 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

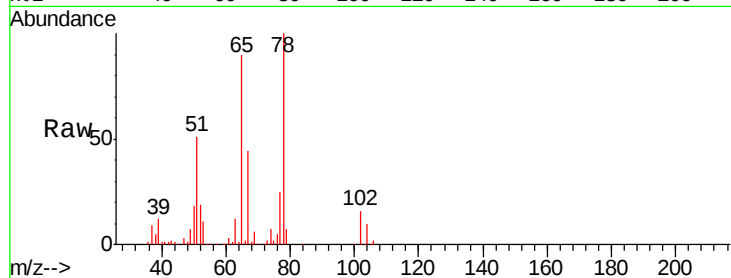
VSTDCCC020EC

Tgt Ion: 65 Resp: 202342

Ion Ratio Lower Upper

65 100

67 50.5 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.01

100000

80000

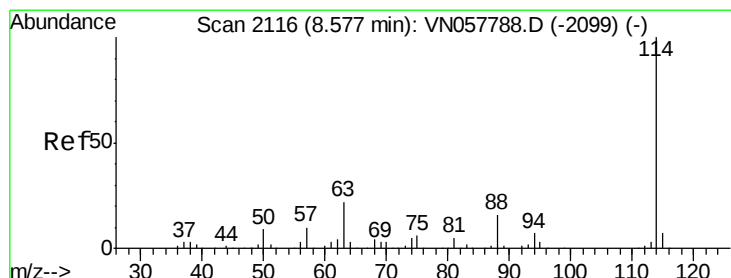
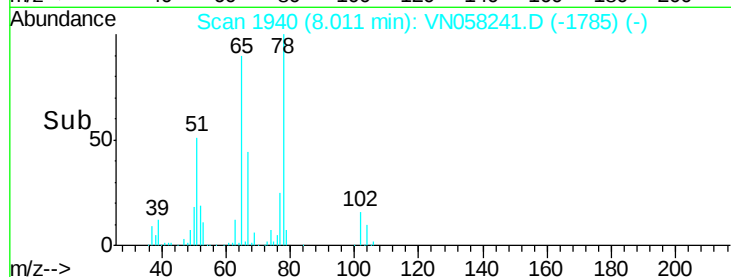
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

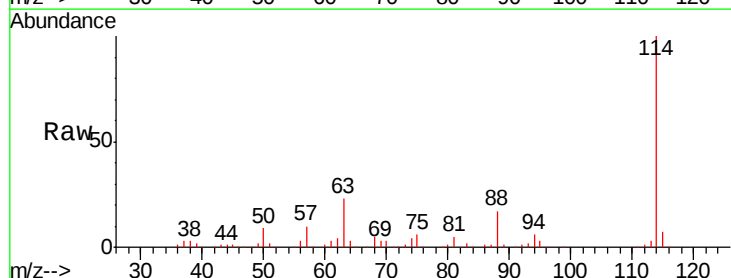
Tgt Ion: 114 Resp: 433493

Ion Ratio Lower Upper

114 100

63 22.9 18.0 27.0

88 16.9 12.6 19.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

250000

200000

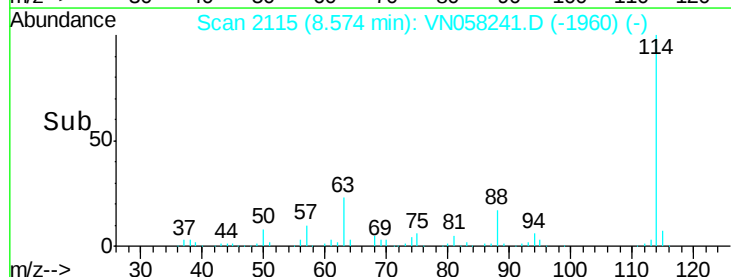
150000

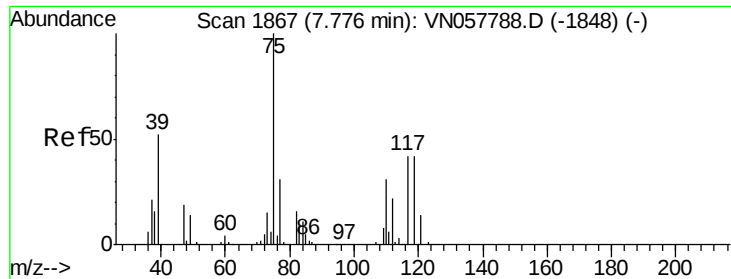
100000

50000

0

Time-->

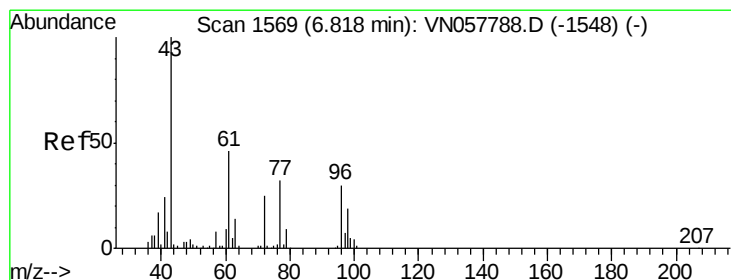
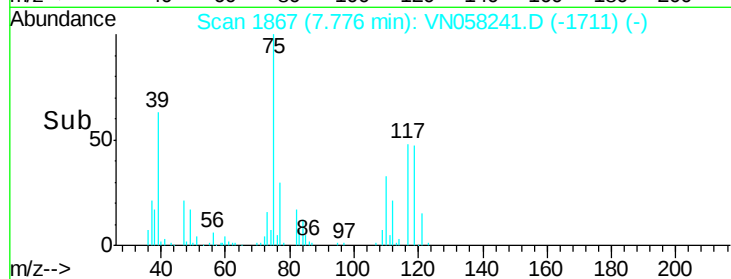
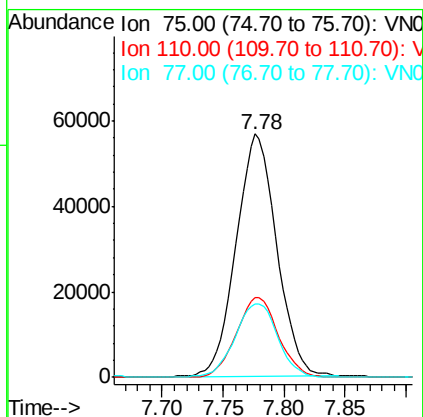
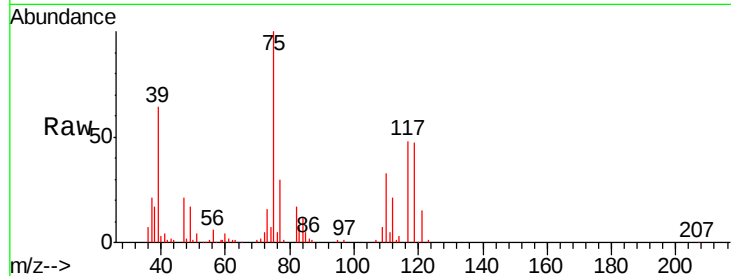




#29
 1,1-Dichloropropene
 Concen: 19.130 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

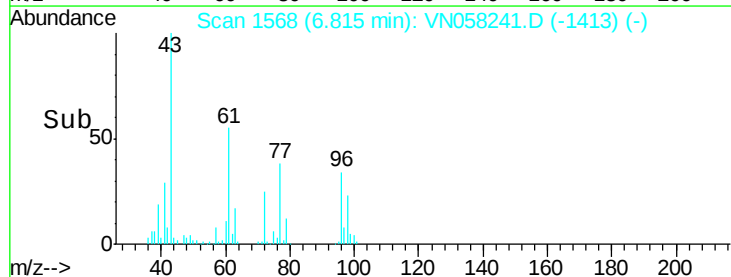
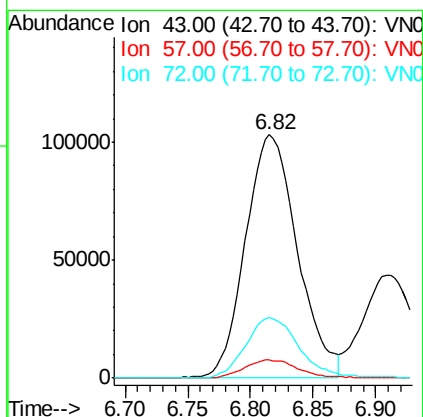
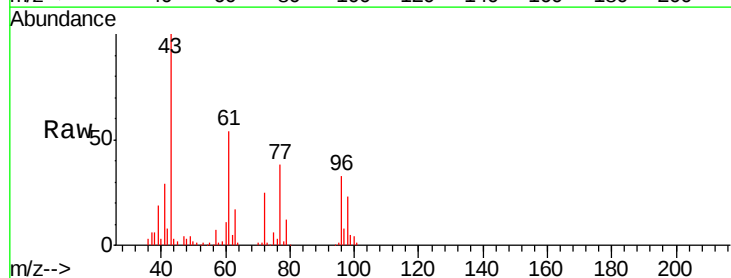
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

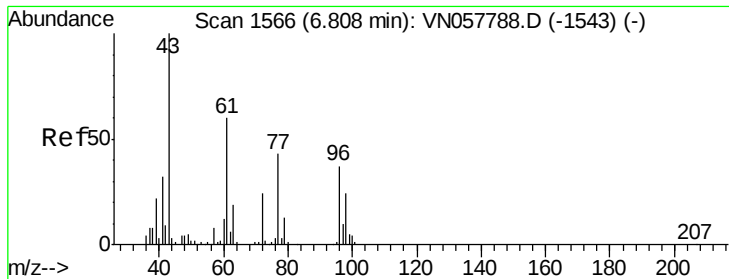
Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.0	0.0	63.8
77	32.2	0.0	60.0



#30
 2-Butanone
 Concen: 96.009 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	6.4	9.6
72	25.7	20.3	30.5





#31

2,2-Dichloropropane

Concen: 19.987 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

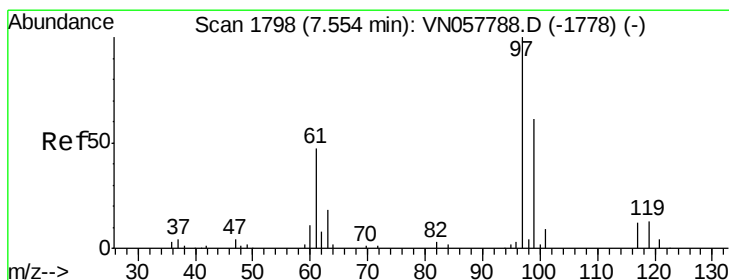
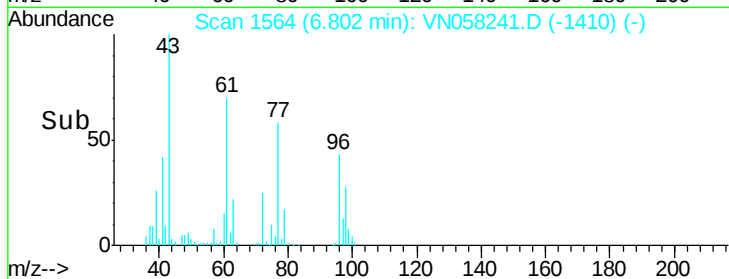
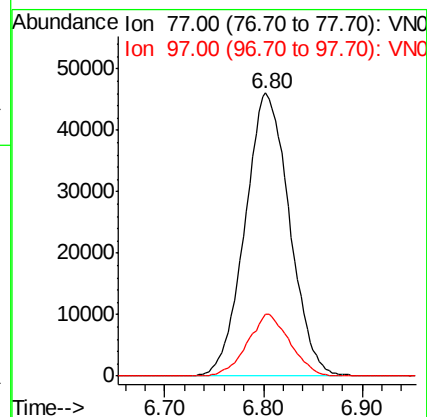
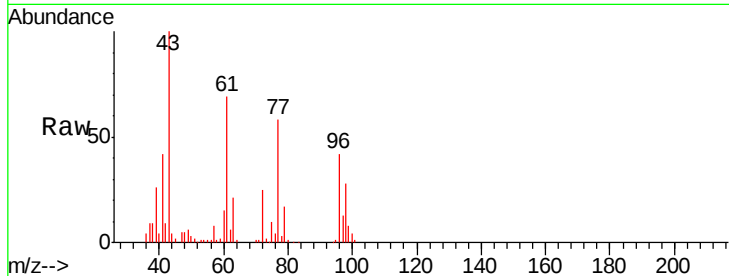
VSTDCCC020EC

Tgt Ion: 77 Resp: 143900

Ion Ratio Lower Upper

77 100

97 20.8 17.7 26.5



#32

1,1,1-Trichloroethane

Concen: 19.782 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

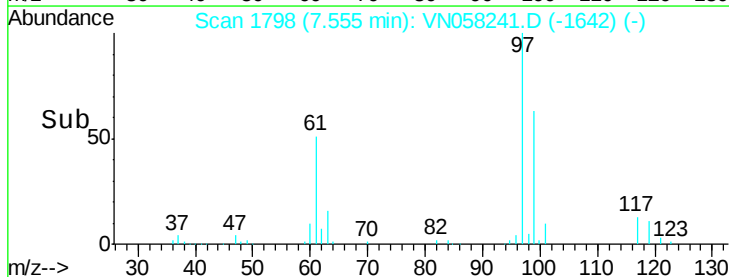
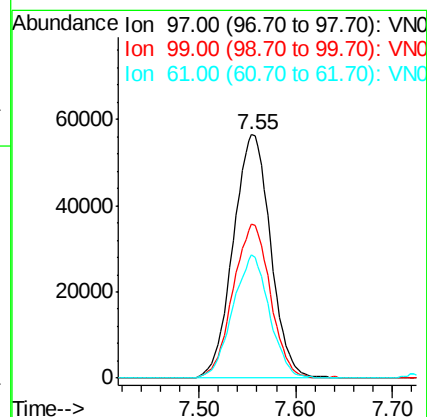
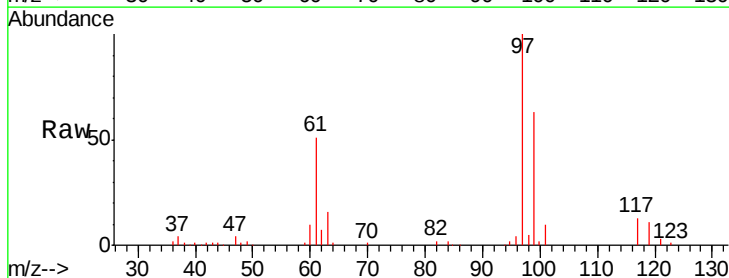
Tgt Ion: 97 Resp: 151676

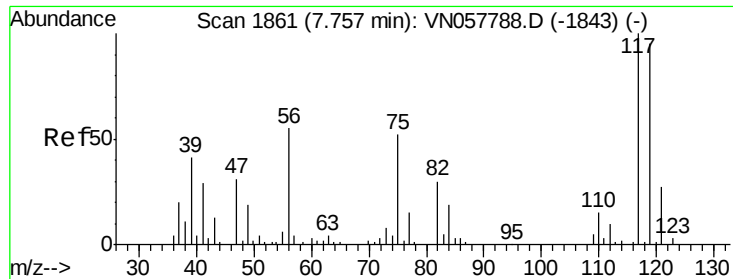
Ion Ratio Lower Upper

97 100

99 63.0 49.8 74.8

61 49.4 38.7 58.1





#33

Carbon Tetrachloride

Concen: 19.578 ug/l

RT: 7.76 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

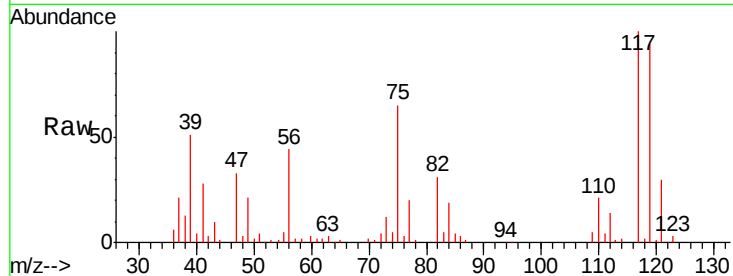
Tgt Ion: 117 Resp: 122455

Ion Ratio Lower Upper

117 100

119 94.2 75.7 113.5

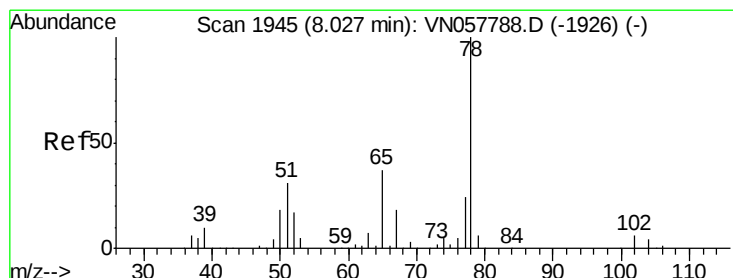
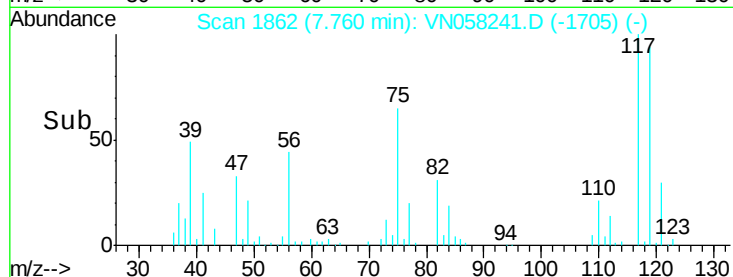
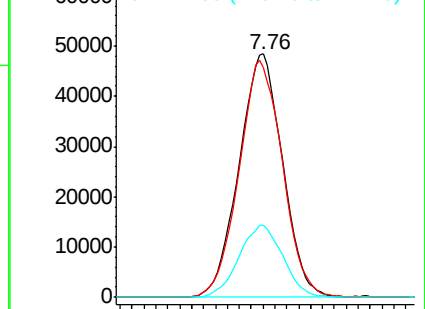
121 29.9 21.7 32.5



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: 19.862 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

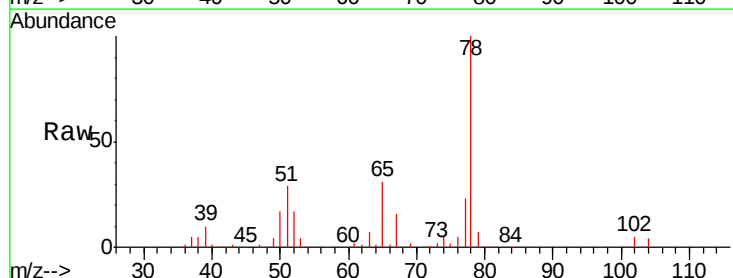
Tgt Ion: 78 Resp: 401348

Ion Ratio Lower Upper

78 100

77 23.2 19.2 28.8

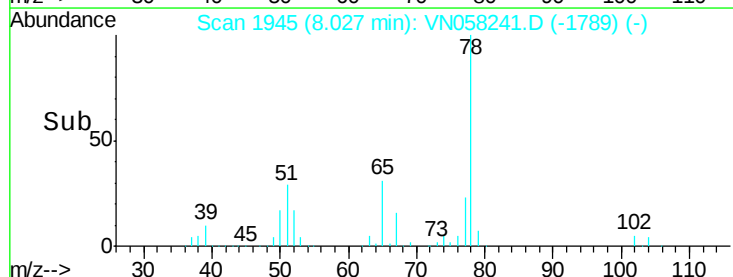
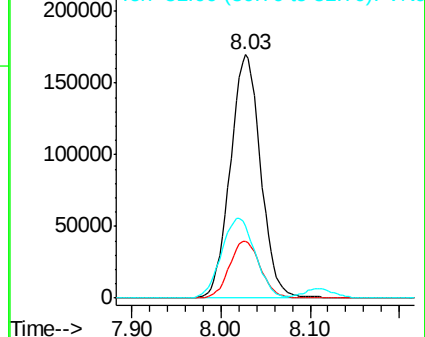
51 29.2 24.9 37.3

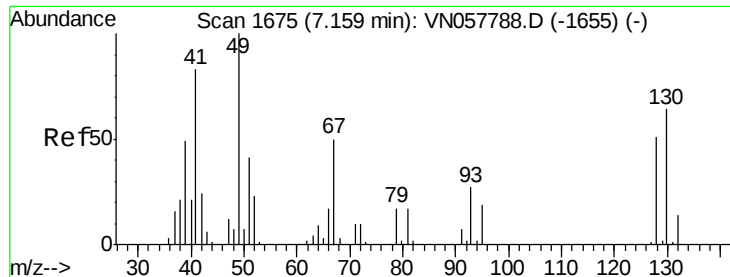


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

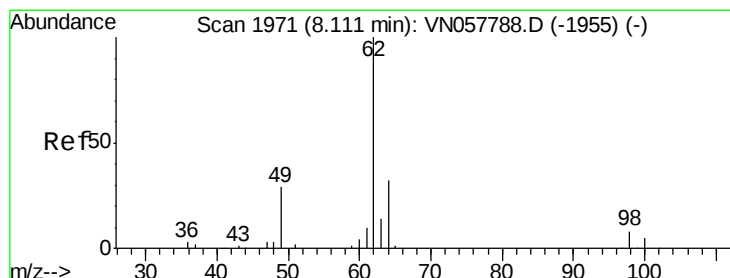
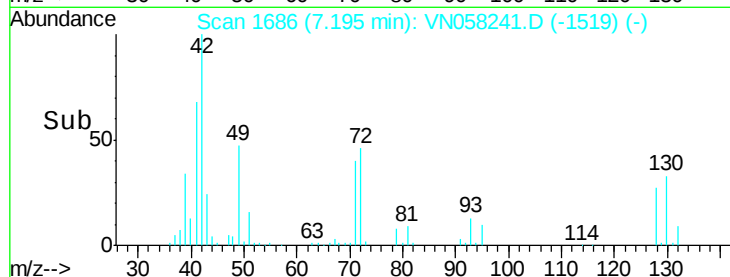
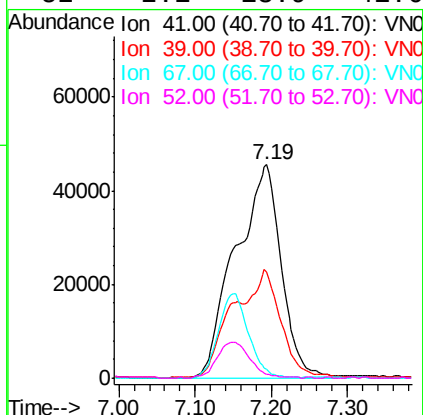
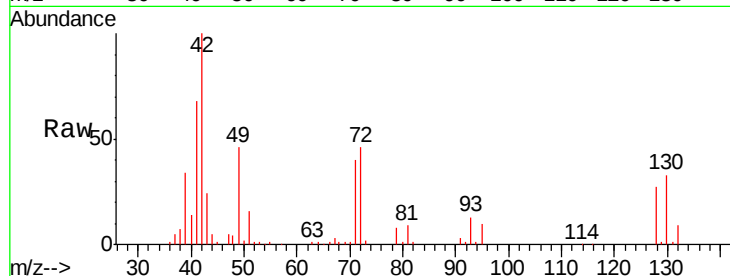




#35
Methacrylonitrile
Concen: 67.064 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.04 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

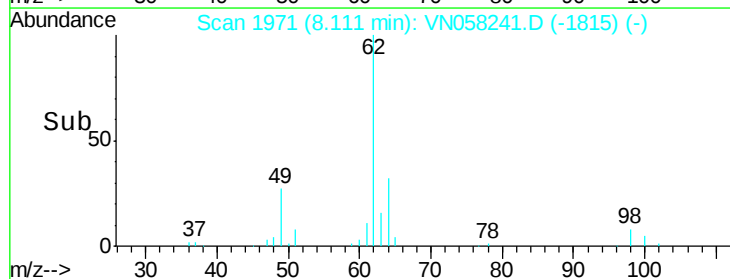
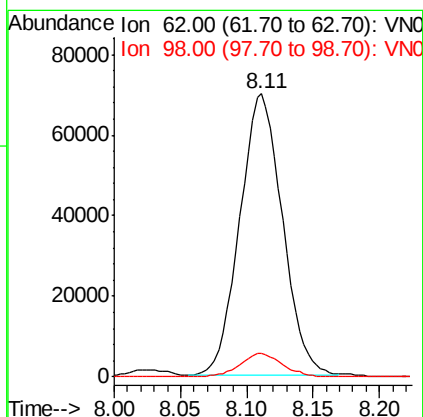
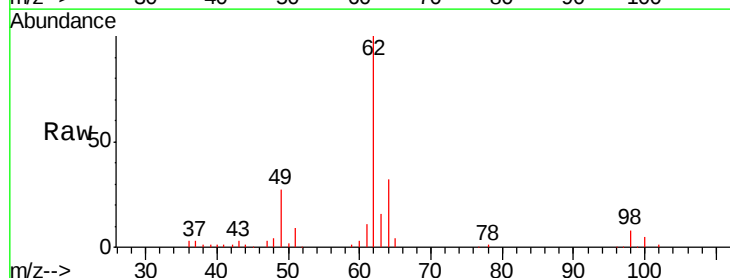
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

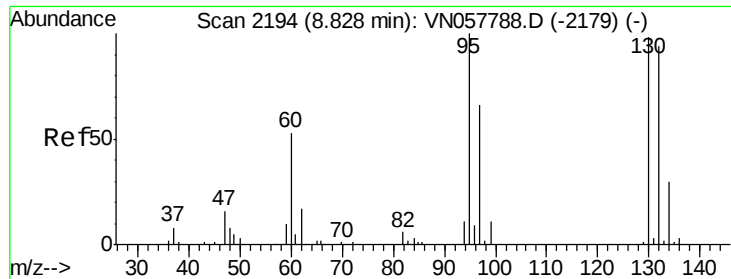
Tgt Ion:	41	Resp:	191265
Ion	Ratio	Lower	Upper
41	100		
39	49.3	29.8	89.5
67	4.1	30.0	90.1#
52	2.1	13.9	41.6#



#36
1,2-Dichloroethane
Concen: 19.962 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion:	62	Resp:	156525
Ion	Ratio	Lower	Upper
62	100		
98	8.2	6.6	9.8

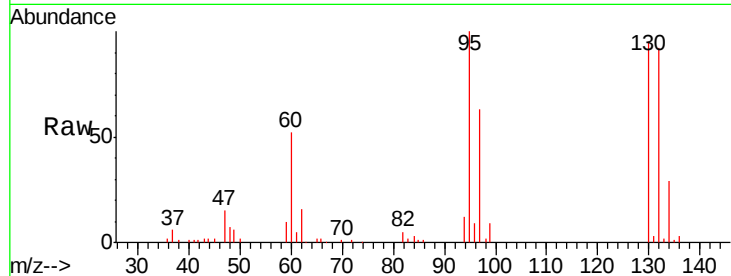




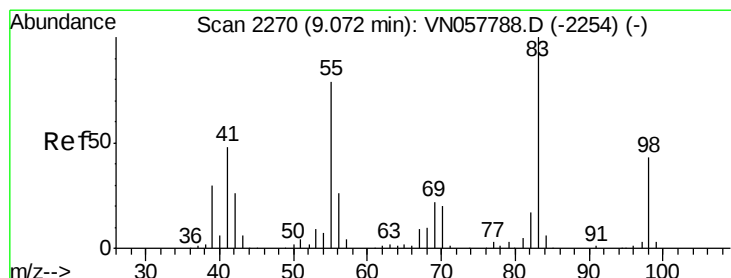
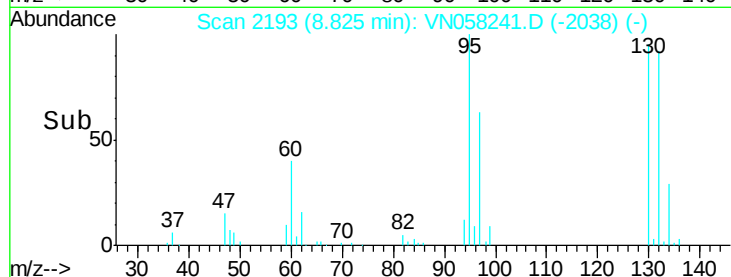
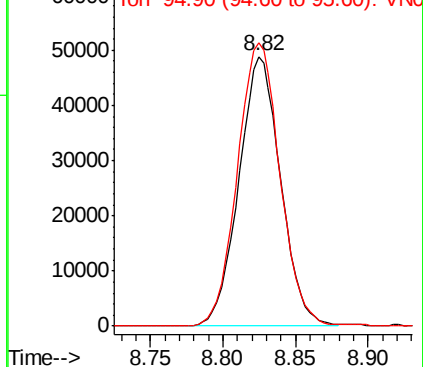
#37
 Trichloroethene
 Concen: 19.887 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 130 Resp: 97599
 Ion Ratio Lower Upper
 130 100
 95 104.9 81.9 122.9

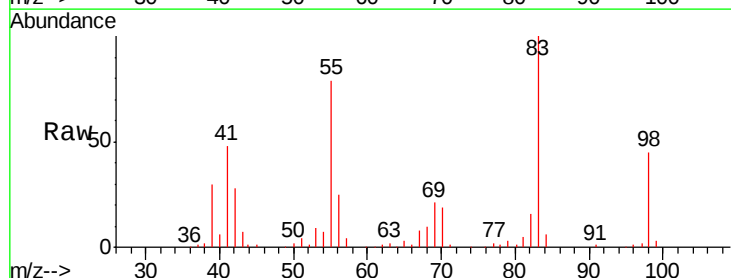


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

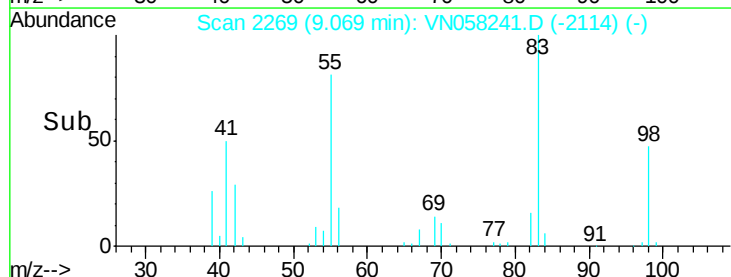
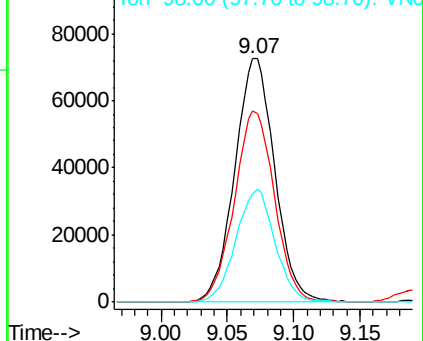


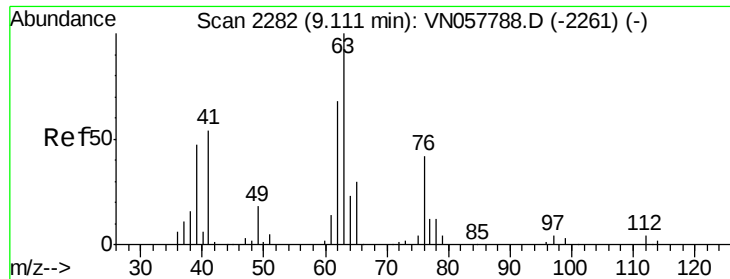
#38
 Methylcyclohexane
 Concen: 19.597 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion: 83 Resp: 152178
 Ion Ratio Lower Upper
 83 100
 55 78.6 39.6 118.7
 98 45.3 21.8 65.4



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO

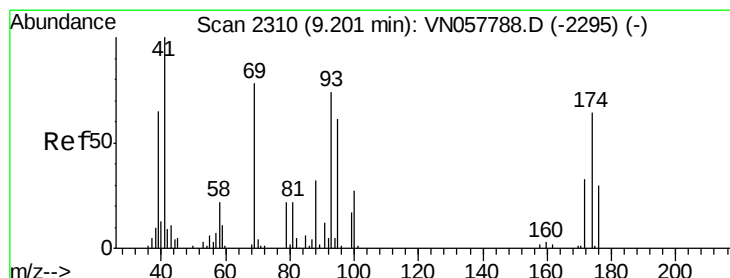
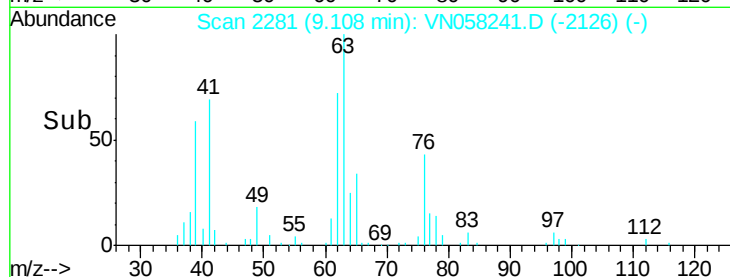
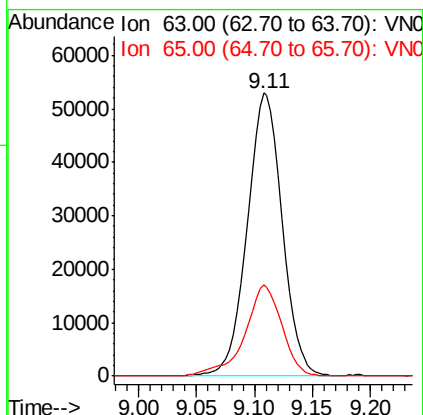
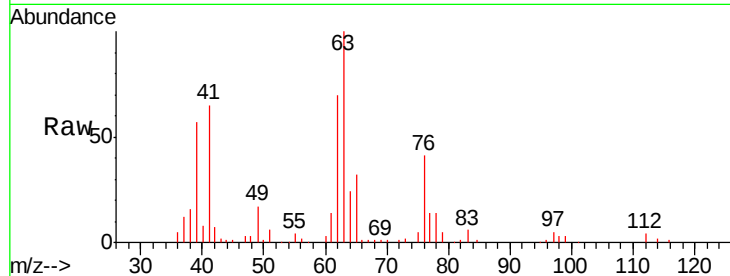




#39
 1,2-Dichloropropane
 Concen: 19.623 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

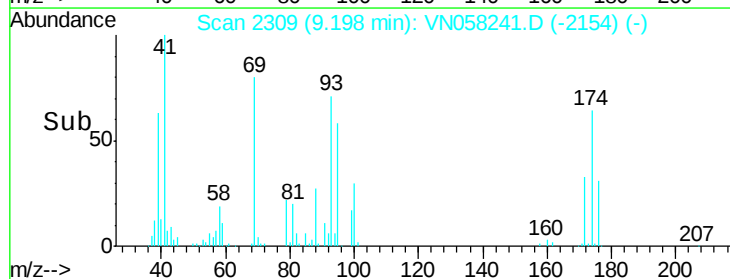
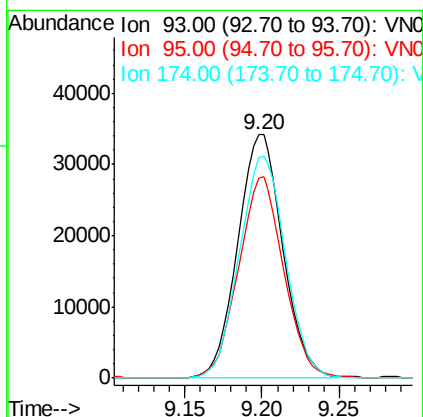
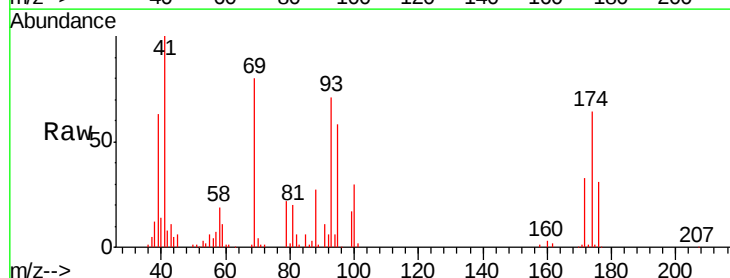
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

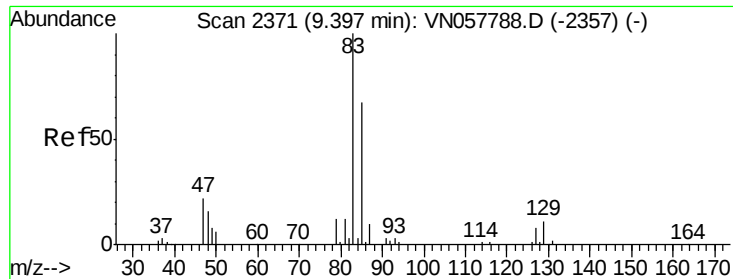
Tgt Ion: 63 Resp: 111354
 Ion Ratio Lower Upper
 63 100
 65 32.5 23.6 35.4



#40
 Dibromomethane
 Concen: 20.101 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion: 93 Resp: 69377
 Ion Ratio Lower Upper
 93 100
 95 82.8 0.0 163.0
 174 93.2 0.0 171.4

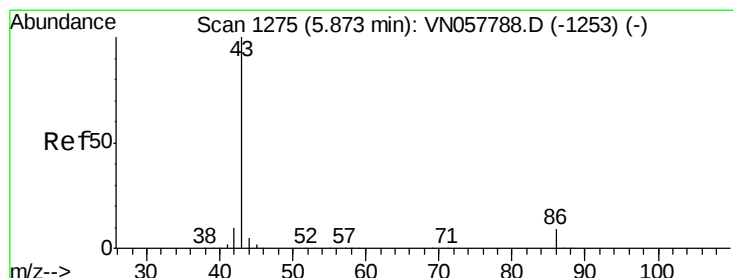
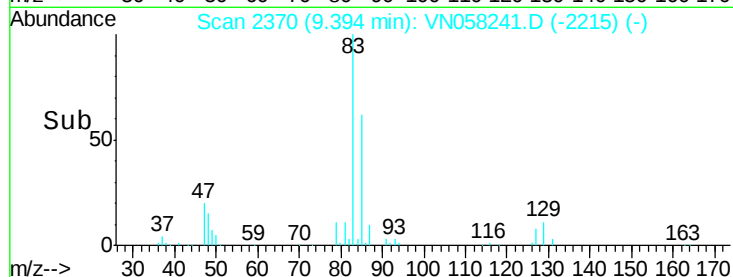
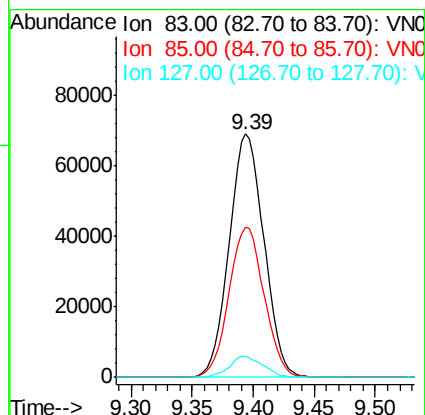
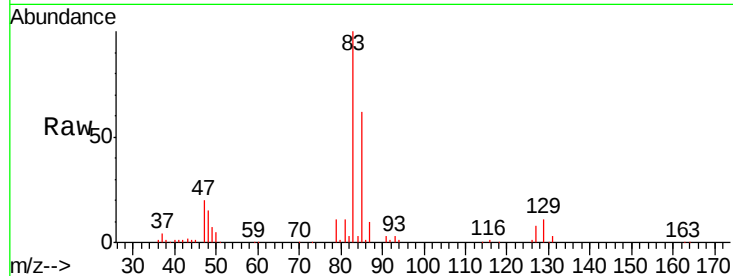




#41
 Bromodichloromethane
 Concen: 19.711 ug/l
 RT: 9.39 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

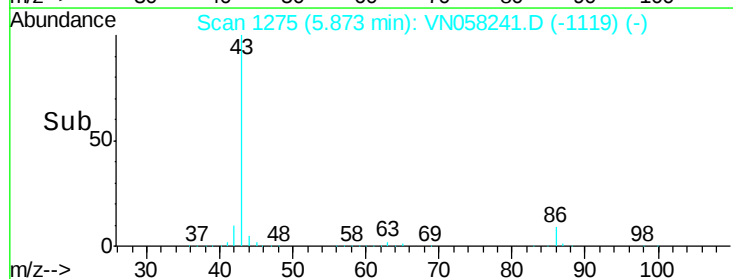
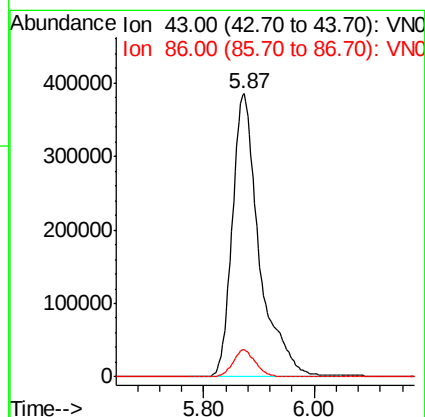
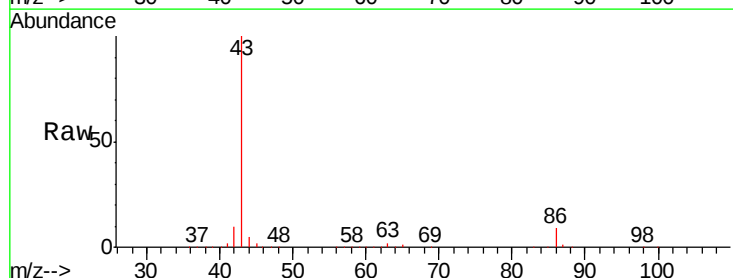
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

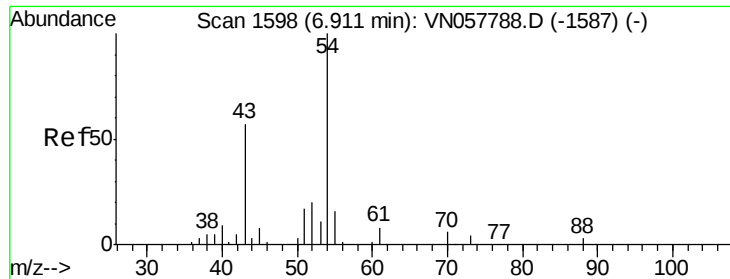
Tgt Ion: 83 Resp: 137157
 Ion Ratio Lower Upper
 83 100
 85 61.9 53.4 80.0
 127 8.4 6.6 10.0



#42
 Vinyl Acetate
 Concen: 106.199 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion: 43 Resp: 1312419
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.3 9.5





#43

Ethyl Acetate

Concen: 19.630 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

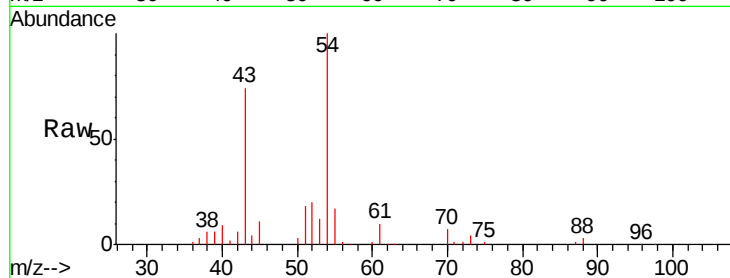
VSTDCCC020EC

Tgt Ion: 43 Resp: 123148

Ion Ratio Lower Upper

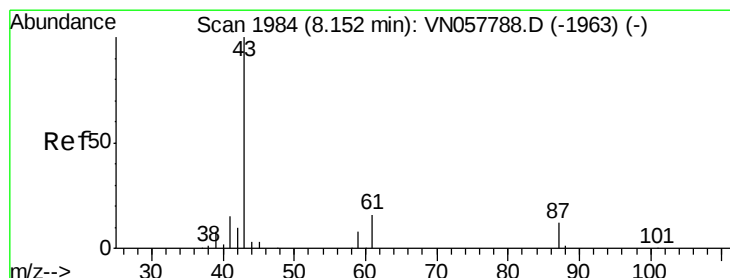
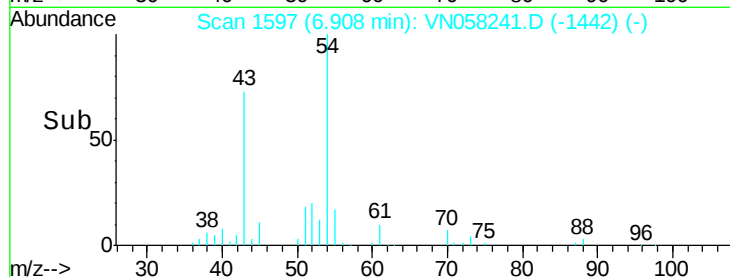
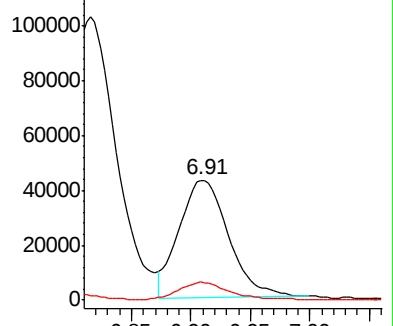
43 100

45 14.1 5.4 8.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 21.111 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058241.D

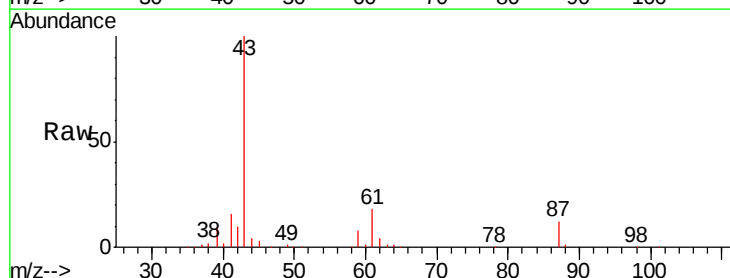
Acq: 20 Sep 2019 11:42

Tgt Ion: 43 Resp: 230918

Ion Ratio Lower Upper

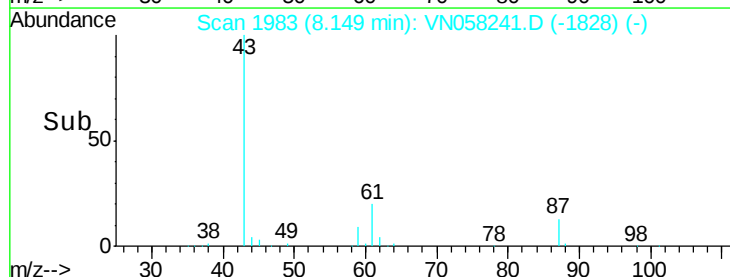
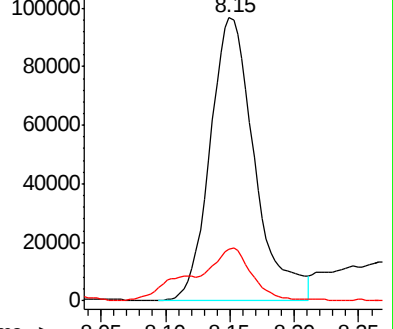
43 100

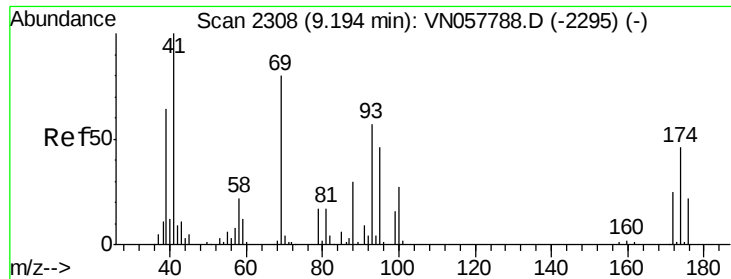
61 16.5 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

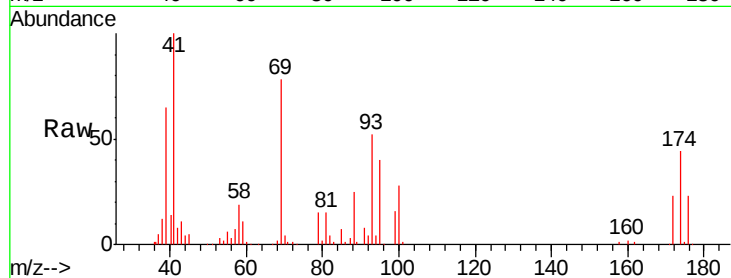




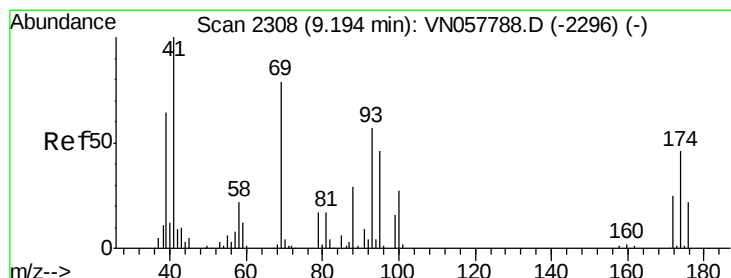
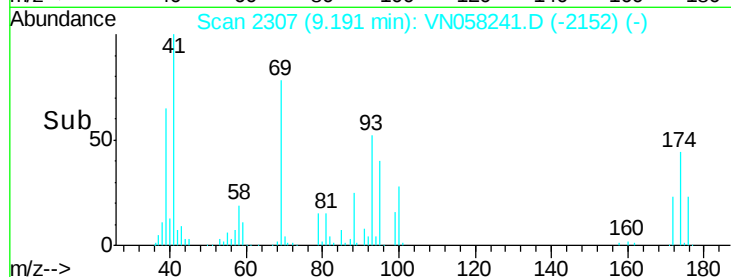
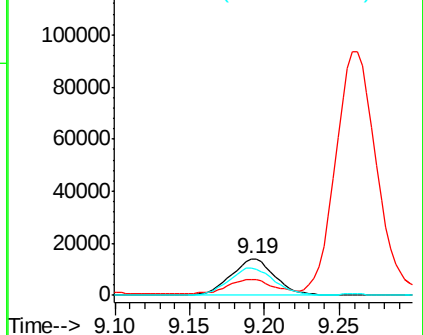
#45
 1,4-Dioxane
 Concen: 333.703 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 88 Resp: 28682
 Ion Ratio Lower Upper
 88 100
 43 38.9 28.2 42.4
 58 75.8 58.5 87.7

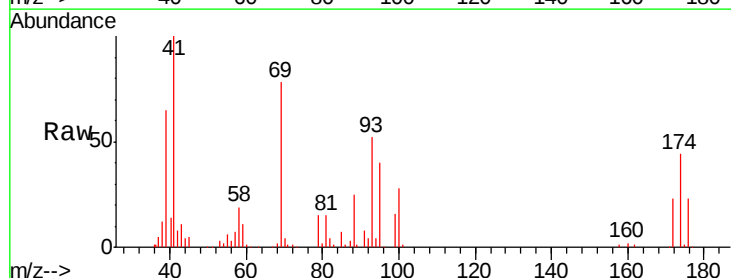


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

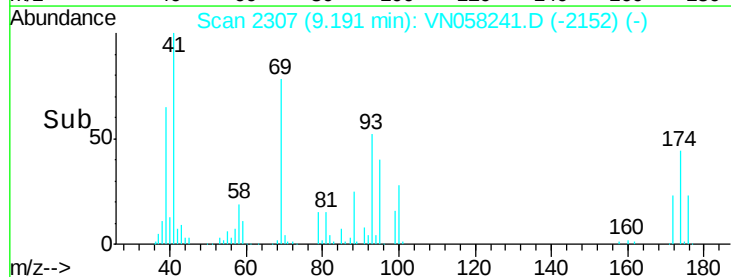
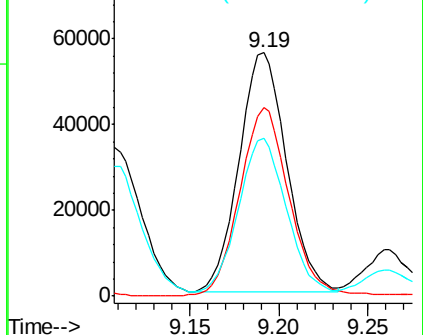


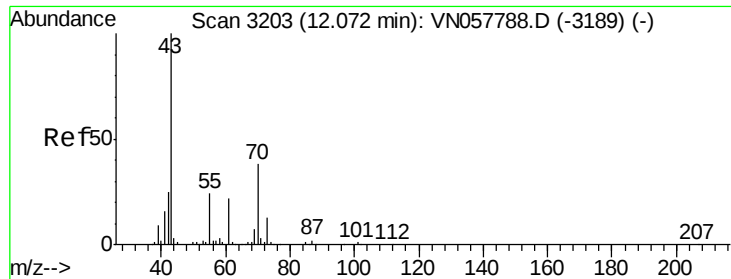
#46
 Methyl methacrylate
 Concen: 19.394 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion: 41 Resp: 103623
 Ion Ratio Lower Upper
 41 100
 69 78.7 39.6 119.0
 39 64.2 31.9 95.7



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

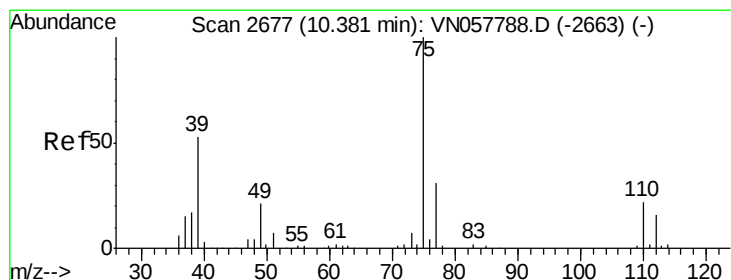
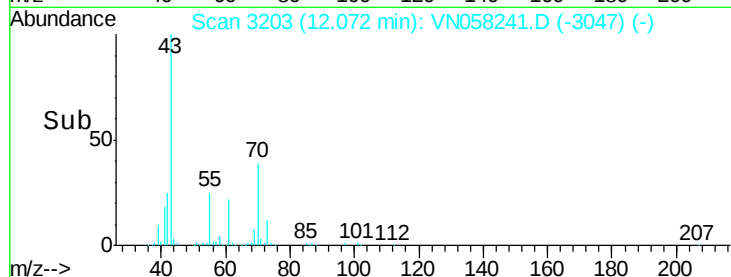
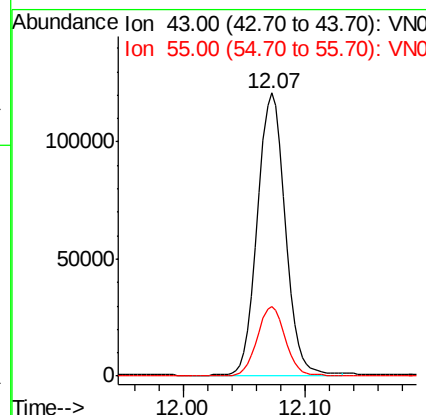
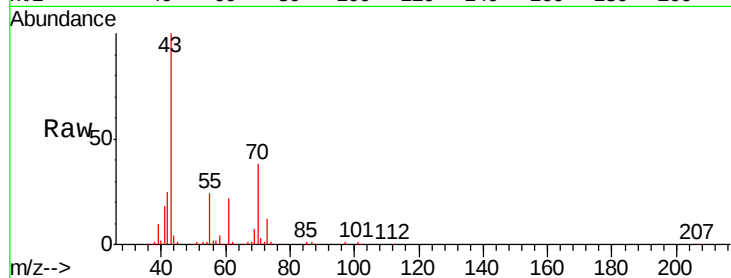




#47
n-amyl Acetate
Concen: 18.875 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

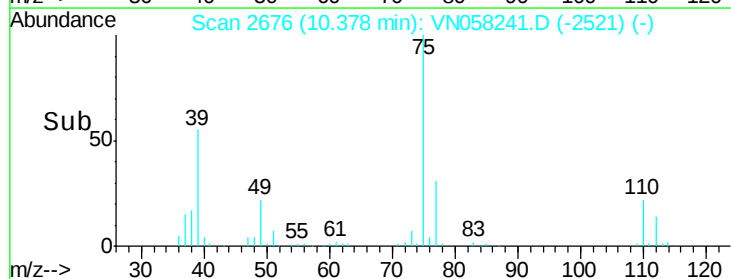
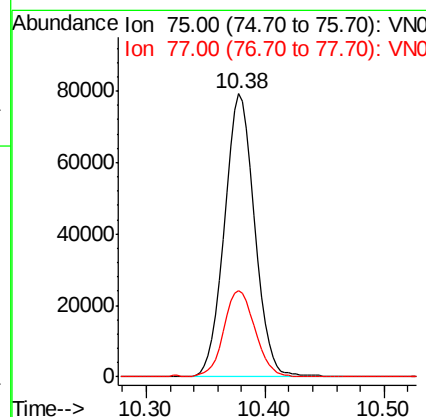
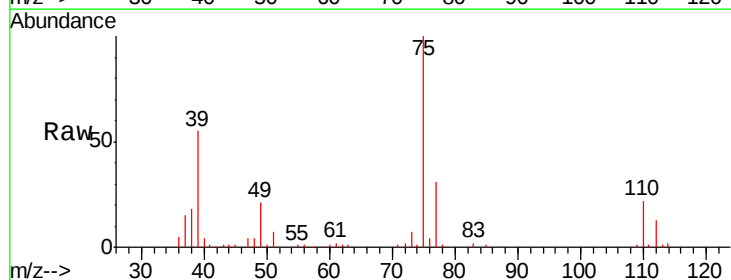
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

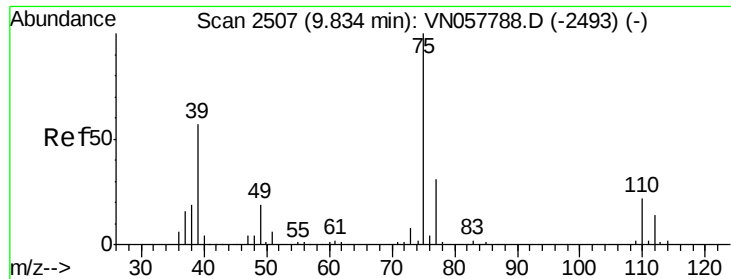
Tgt Ion: 43 Resp: 189658
Ion Ratio Lower Upper
43 100
55 25.0 18.3 27.5



#48
t-1,3-Dichloropropene
Concen: 18.815 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion: 75 Resp: 139380
Ion Ratio Lower Upper
75 100
77 30.7 24.9 37.3

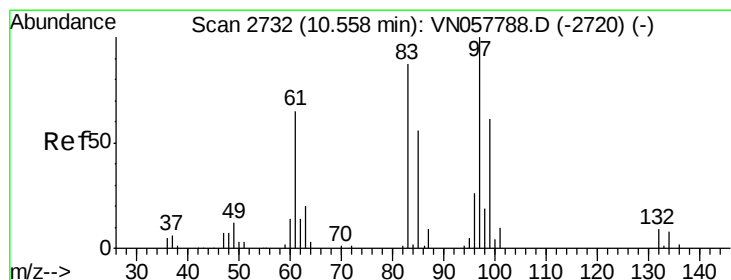
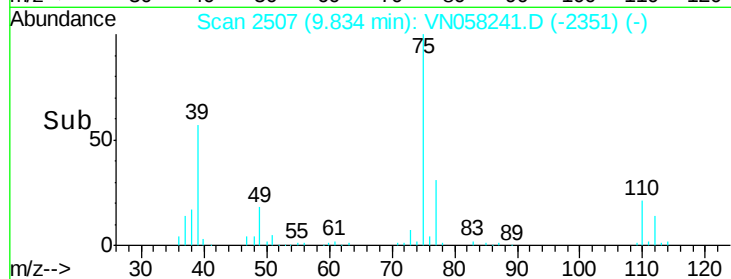
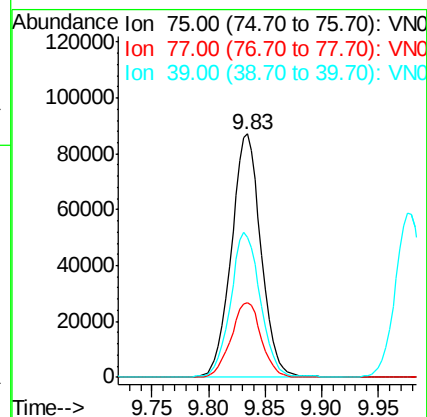
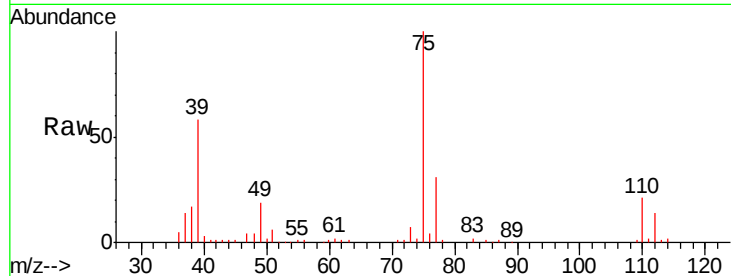




#49
 cis-1,3-Dichloropropene
 Concen: 19.098 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

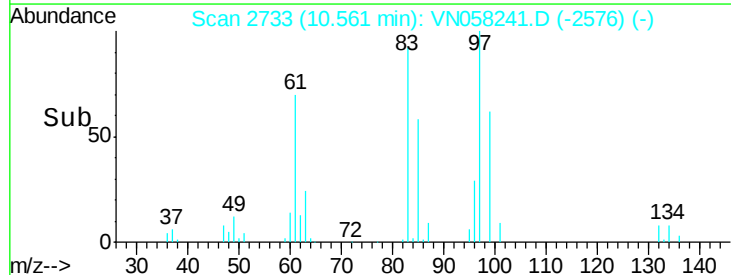
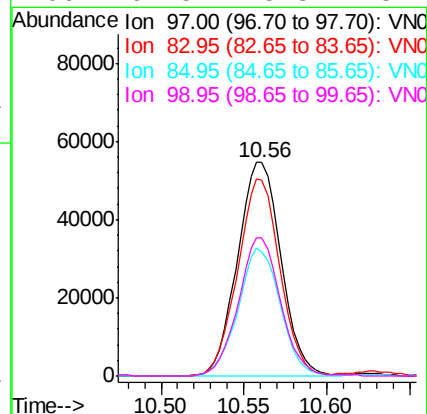
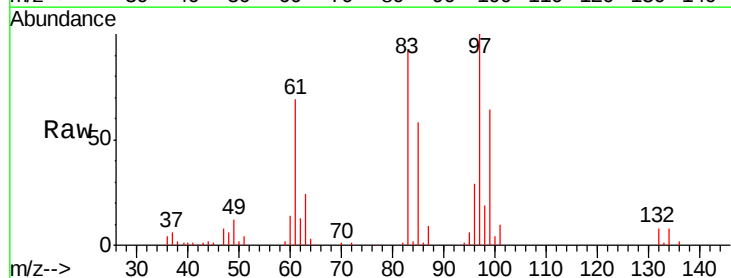
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

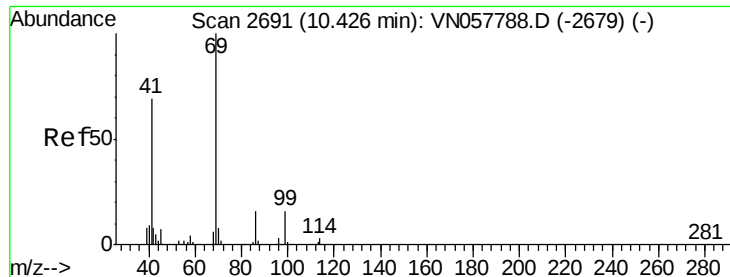
Tgt Ion: 75 Resp: 158734
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.6 36.8
 39 57.3 45.8 68.8



#50
 1,1,2-Trichloroethane
 Concen: 19.902 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion: 97 Resp: 99633
 Ion Ratio Lower Upper
 97 100
 83 91.5 69.4 104.2
 85 58.3 45.0 67.6
 99 64.5 48.8 73.2





#51

Ethyl methacrylate

Concen: 19.132 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

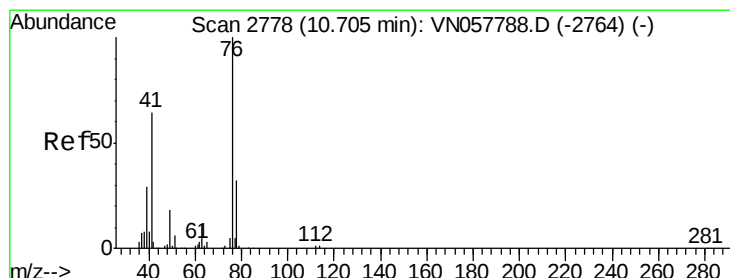
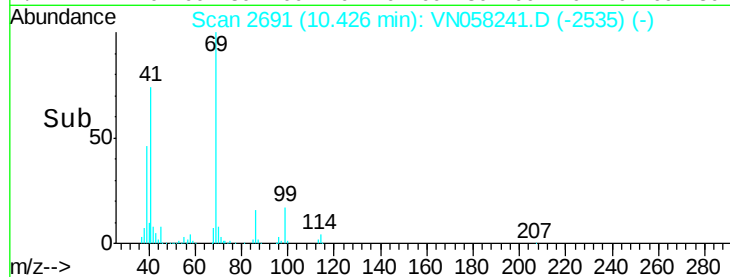
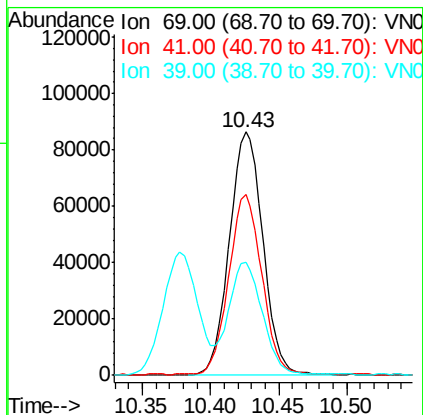
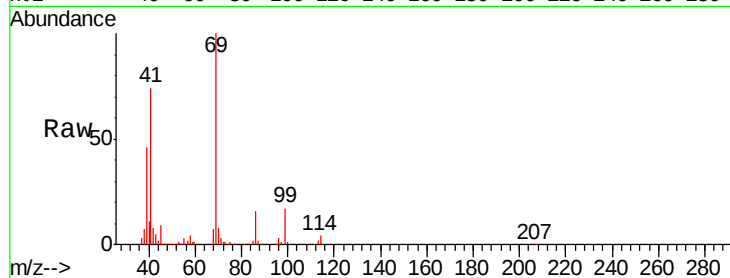
Tgt Ion: 69 Resp: 148512

Ion Ratio Lower Upper

69 100

41 73.8 34.5 103.5

39 45.9 22.4 67.3



#52

1,3-Dichloropropane

Concen: 19.874 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058241.D

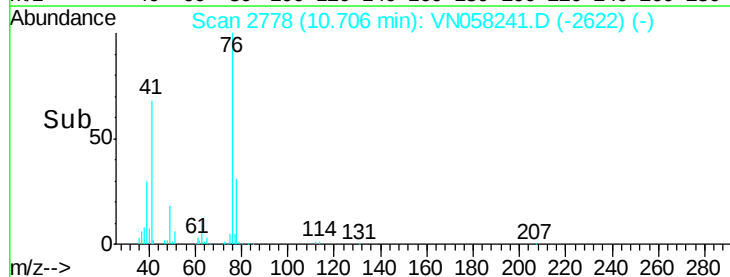
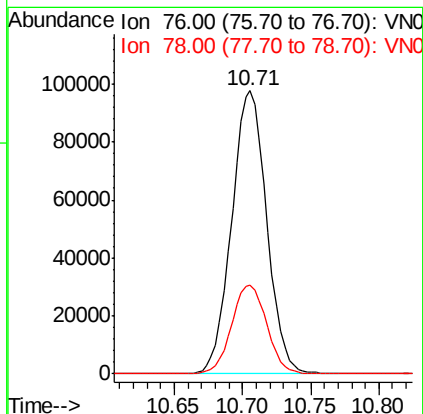
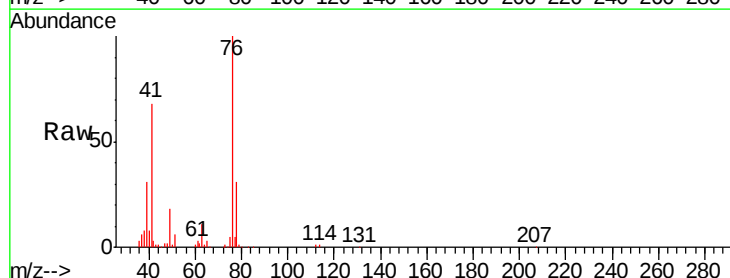
Acq: 20 Sep 2019 11:42

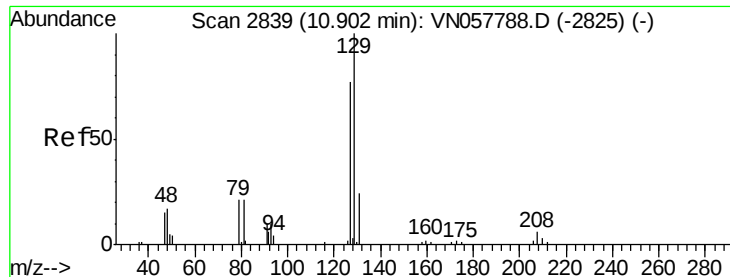
Tgt Ion: 76 Resp: 173995

Ion Ratio Lower Upper

76 100

78 31.7 0.0 63.8





#53

Dibromochloromethane

Concen: 18.491 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

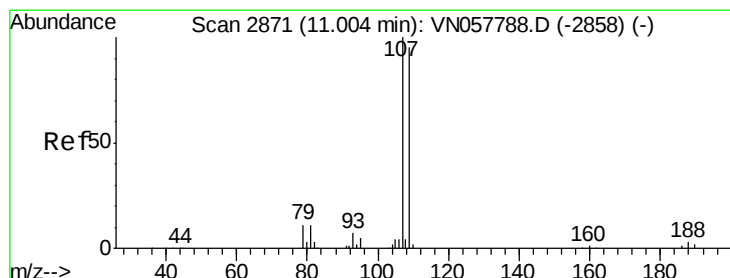
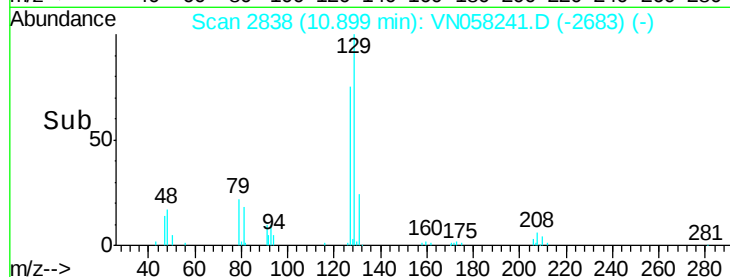
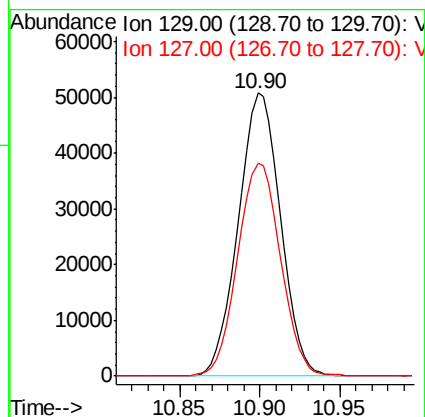
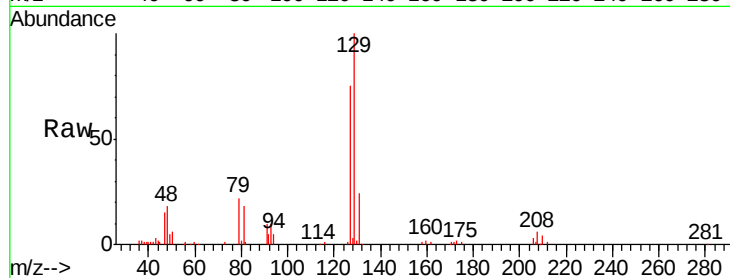
VSTDCCC020EC

Tgt Ion:129 Resp: 91424

Ion Ratio Lower Upper

129 100

127 76.5 38.8 116.3



#54

1,2-Dibromoethane

Concen: 19.511 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058241.D

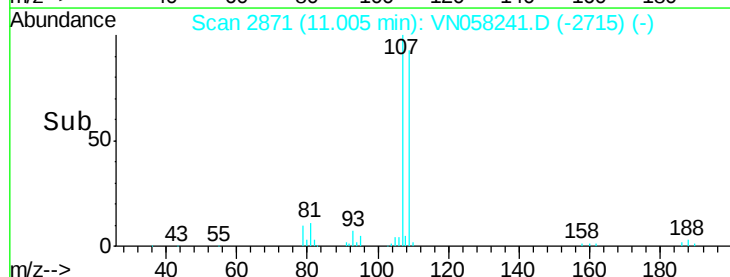
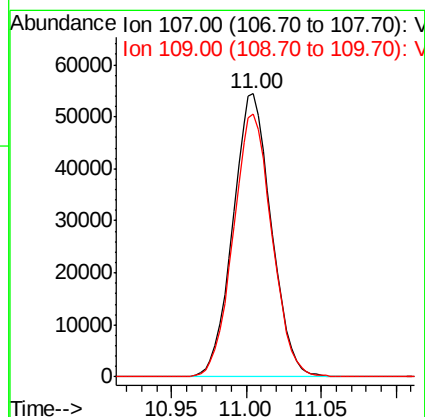
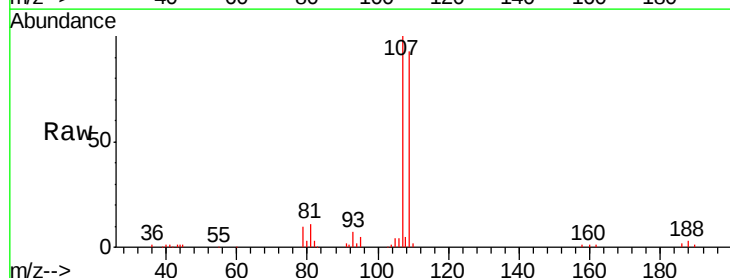
Acq: 20 Sep 2019 11:42

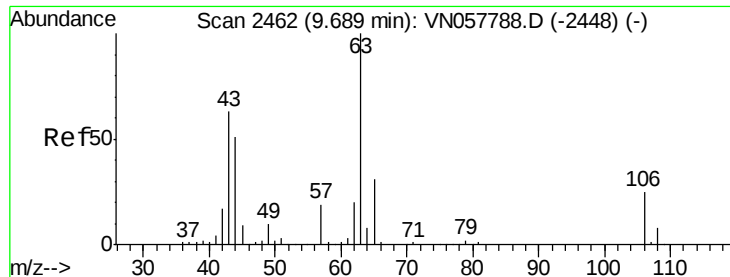
Tgt Ion:107 Resp: 97185

Ion Ratio Lower Upper

107 100

109 93.5 75.4 113.0

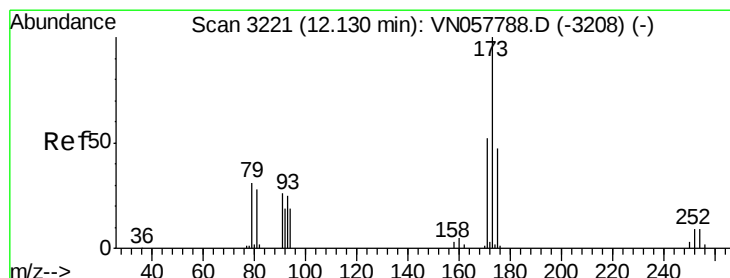
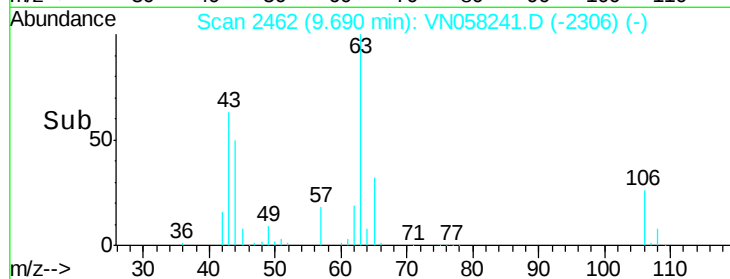
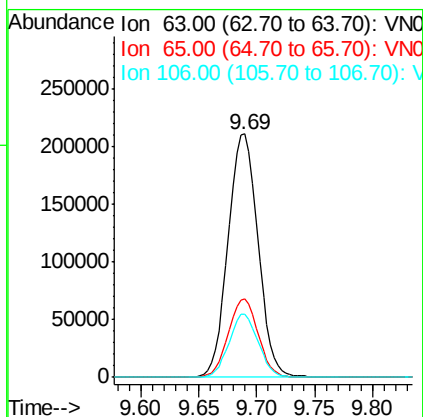
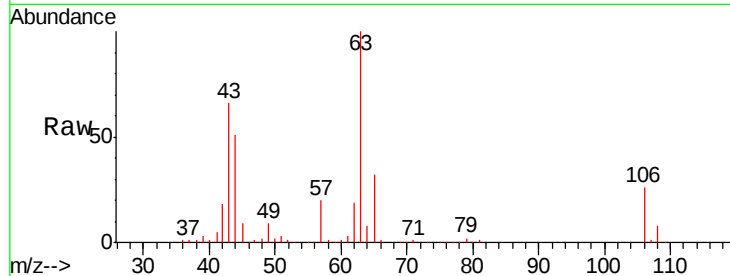




#55
 2-Chloroethyl vinyl ether
 Concen: 102.347 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

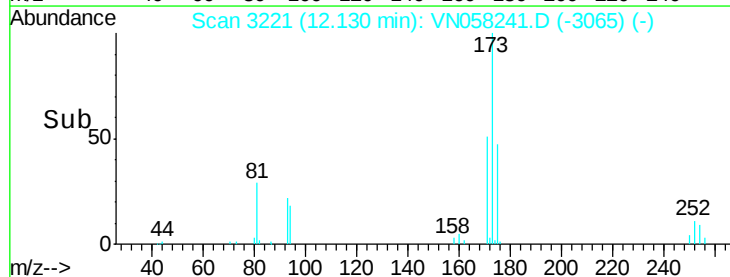
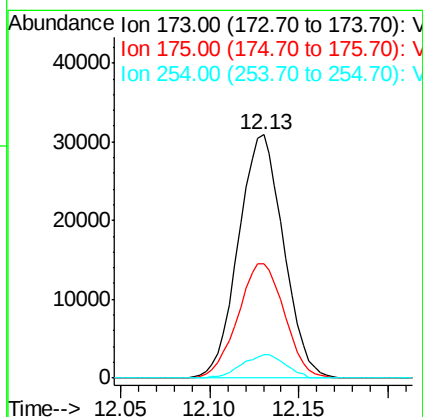
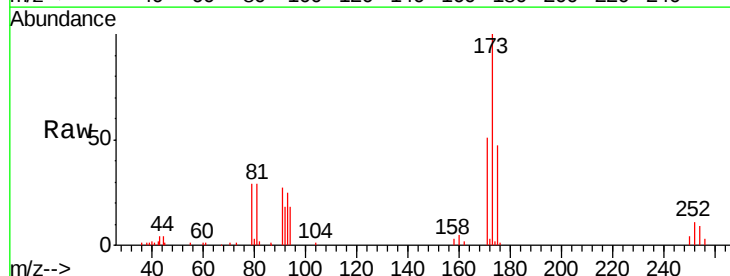
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

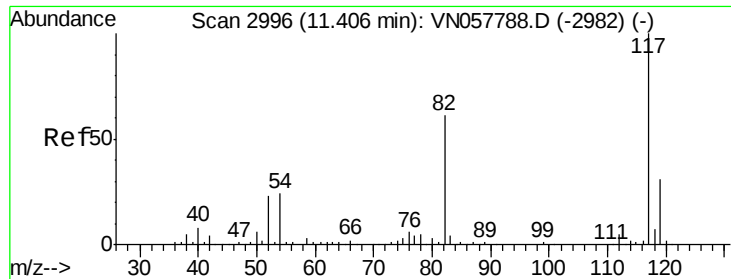
Tgt Ion: 63 Resp: 377513
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.0 37.6
 106 25.3 19.8 29.8



#56
 Bromoform
 Concen: 17.815 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion: 173 Resp: 54564
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.4 57.6
 254 9.4 6.9 10.3

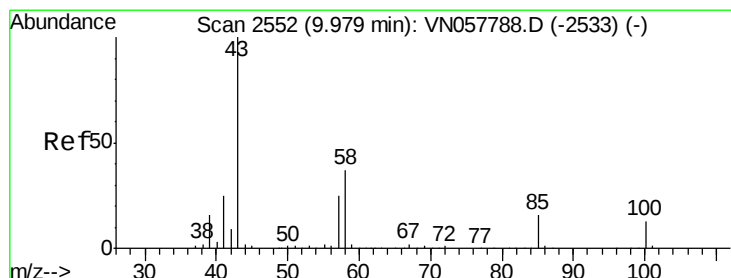
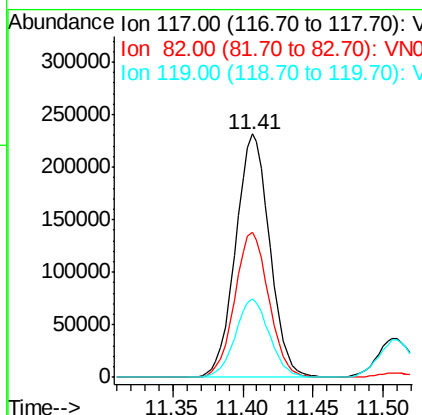
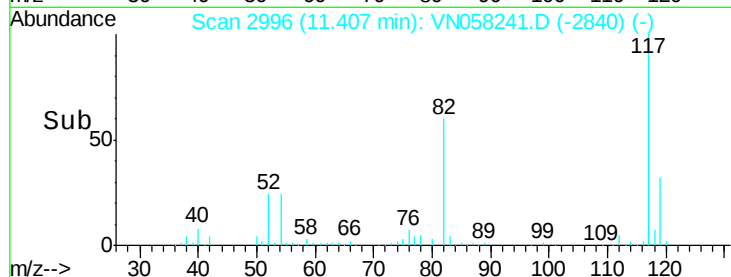
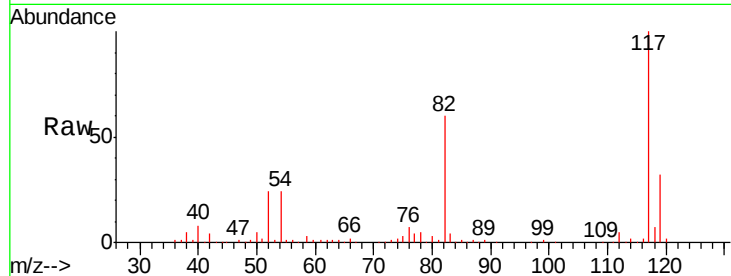




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

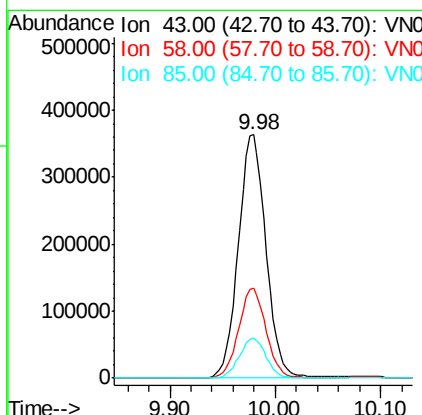
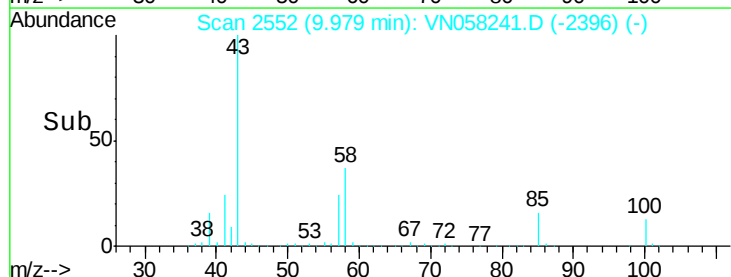
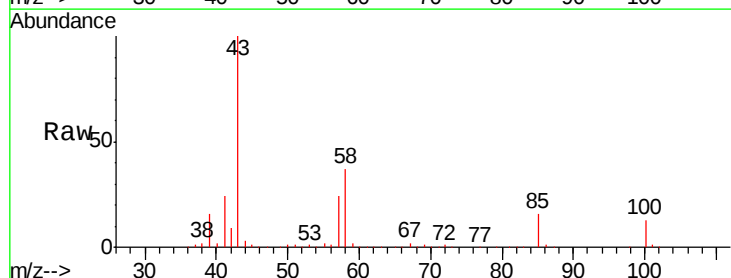
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

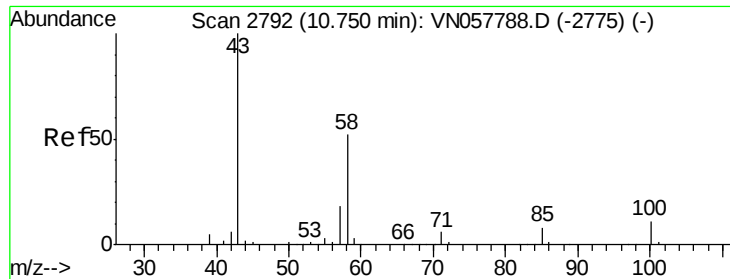
Tgt Ion: 117 Resp: 392368
Ion Ratio Lower Upper
117 100
82 59.6 47.6 71.4
119 32.3 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 108.126 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion: 43 Resp: 657924
Ion Ratio Lower Upper
43 100
58 36.8 29.4 44.0
85 16.1 12.9 19.3

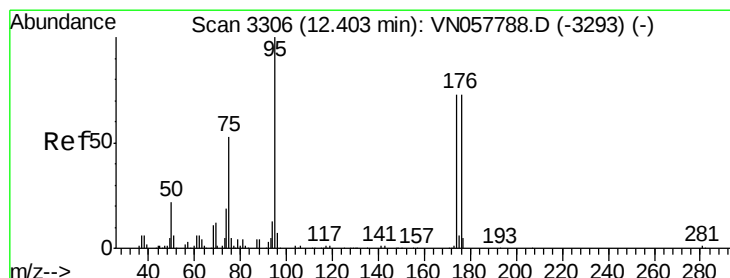
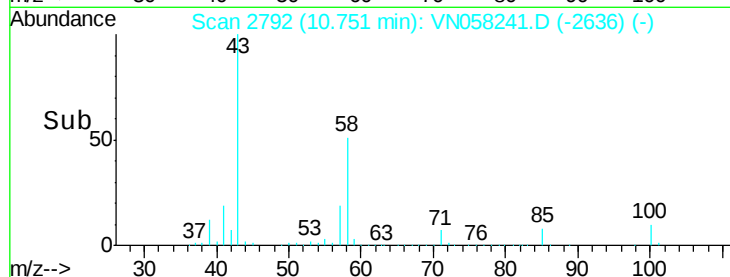
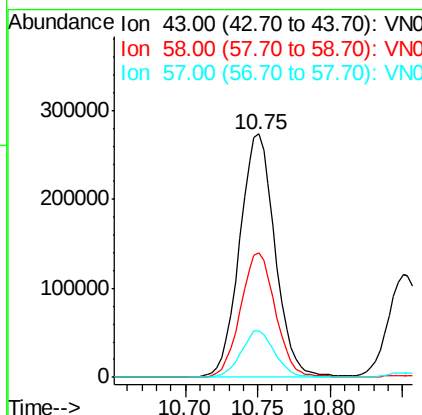
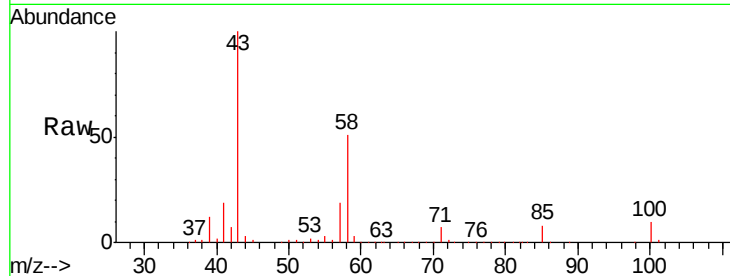




#59
2-Hexanone
Concen: 101.093 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

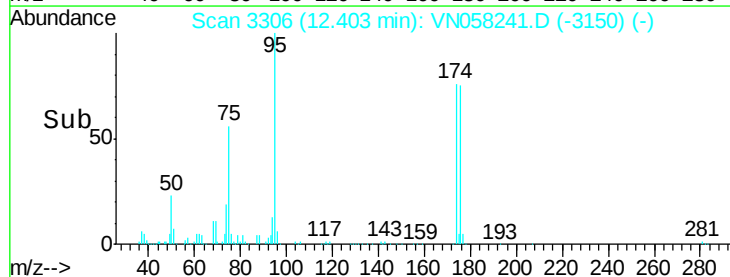
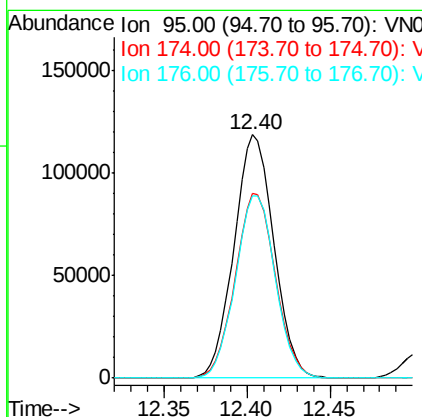
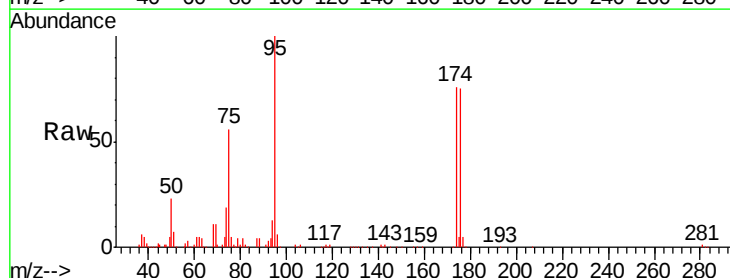
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

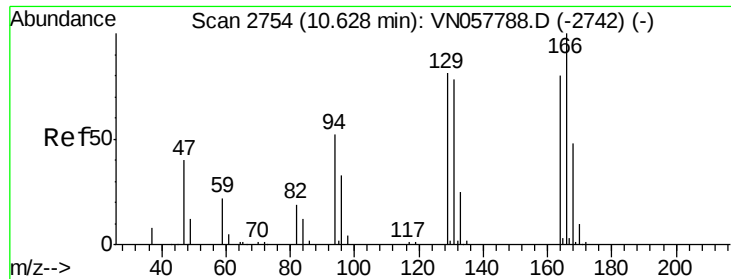
Tgt Ion: 43 Resp: 461605
Ion Ratio Lower Upper
43 100
58 50.8 40.6 61.0
57 18.3 14.5 21.7



#60
4-Bromofluorobenzene
Concen: 29.576 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion: 95 Resp: 198576
Ion Ratio Lower Upper
95 100
174 76.5 59.4 89.0
176 74.8 57.4 86.0

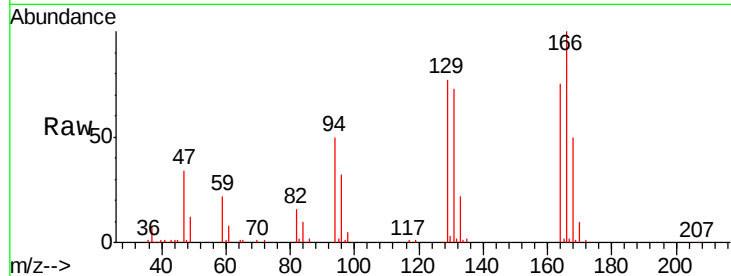




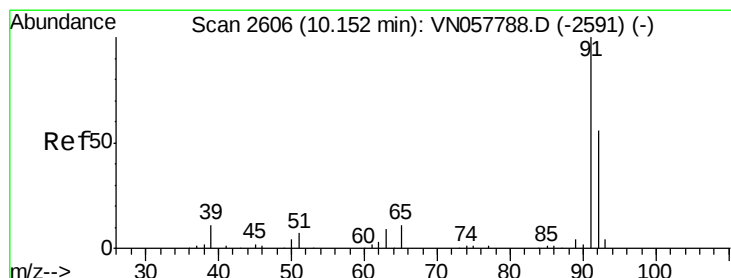
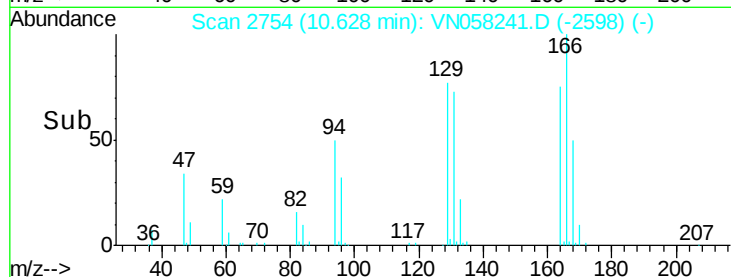
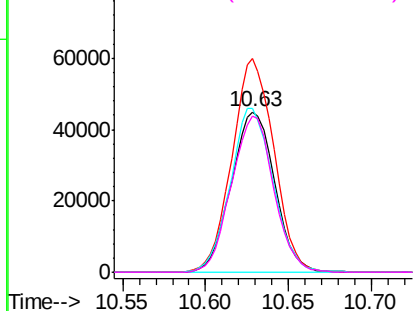
#61
Tetrachloroethene
Concen: 20.505 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:164 Resp: 81803
Ion Ratio Lower Upper
164 100
166 132.7 99.6 149.4
129 101.8 80.9 121.3
131 97.3 77.2 115.8

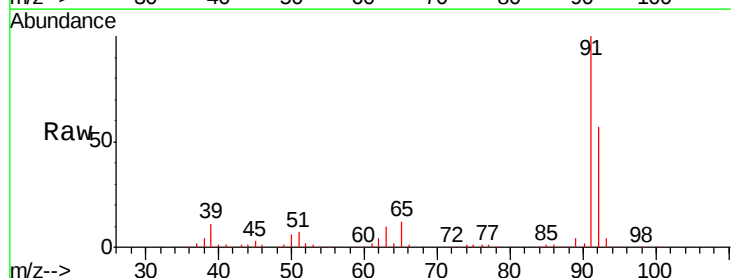


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

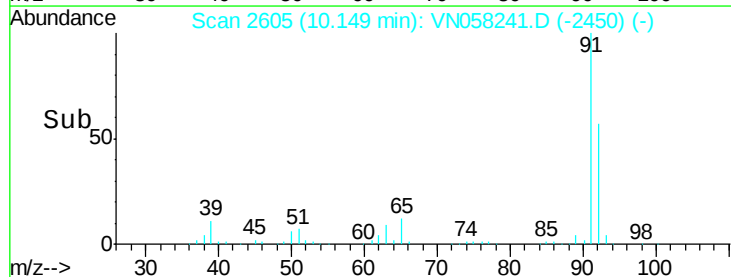
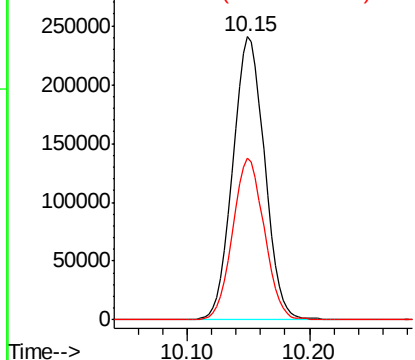


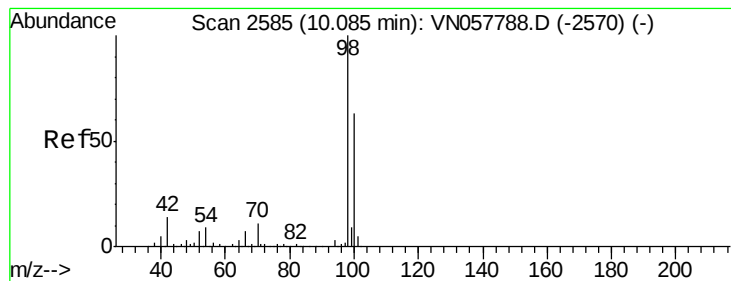
#62
Toluene
Concen: 20.072 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion: 91 Resp: 436085
Ion Ratio Lower Upper
91 100
92 56.9 44.9 67.3



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.722 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

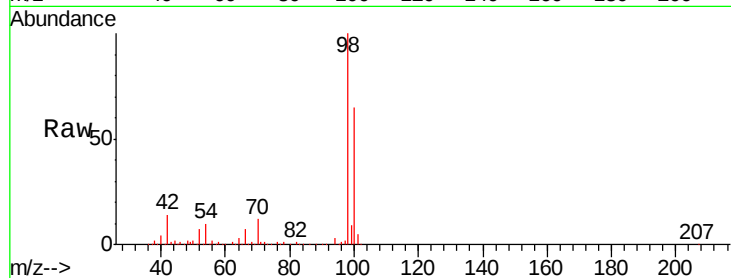
VSTDCCC020EC

Tgt Ion: 98 Resp: 559754

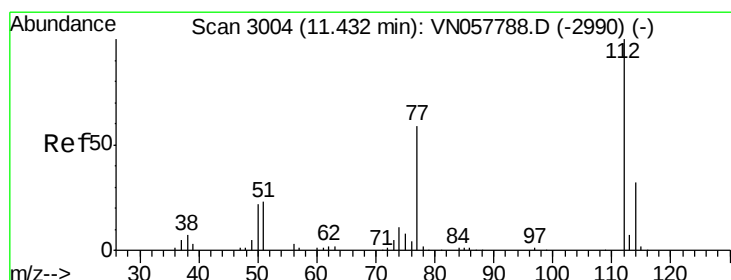
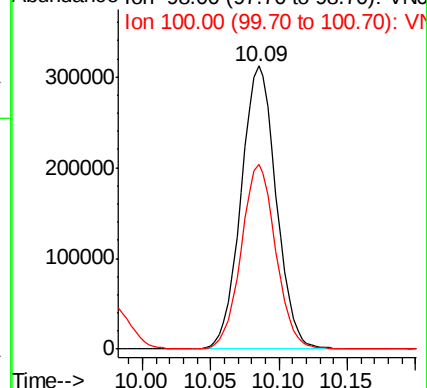
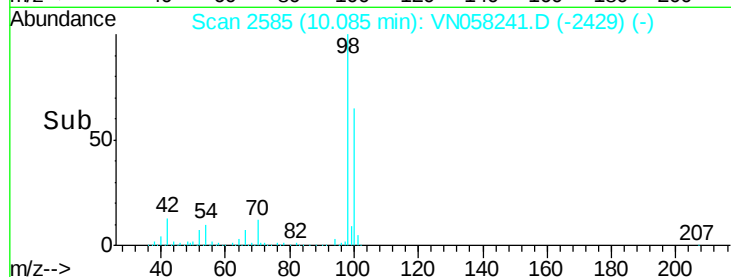
Ion Ratio Lower Upper

98 100

100 63.6 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN058241.D (-2429) (-)



#64

Chlorobenzene

Concen: 19.787 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058241.D

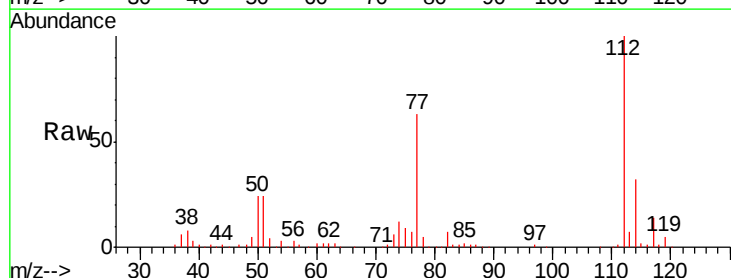
Acq: 20 Sep 2019 11:42

Tgt Ion: 112 Resp: 266673

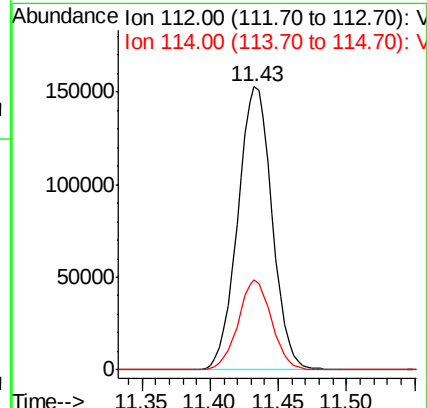
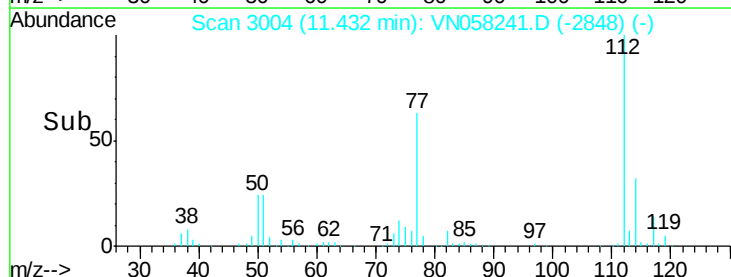
Ion Ratio Lower Upper

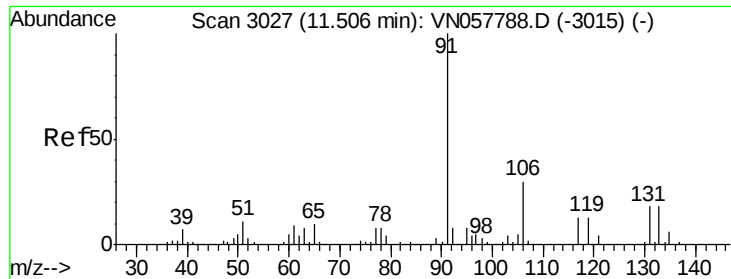
112 100

114 31.8 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): VN058241.D (-2848) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 19.528 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

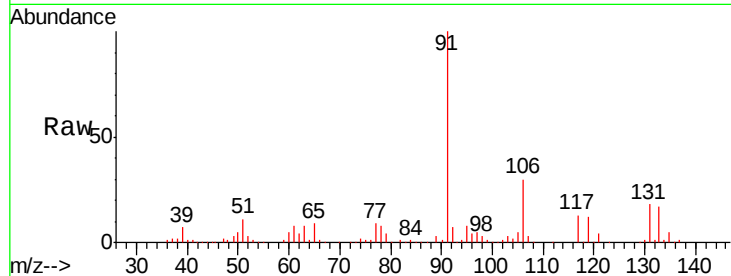
Tgt Ion: 131 Resp: 91383

Ion Ratio Lower Upper

131 100

133 95.9 0.0 189.2

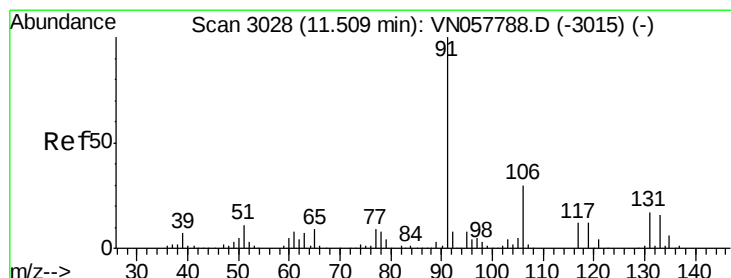
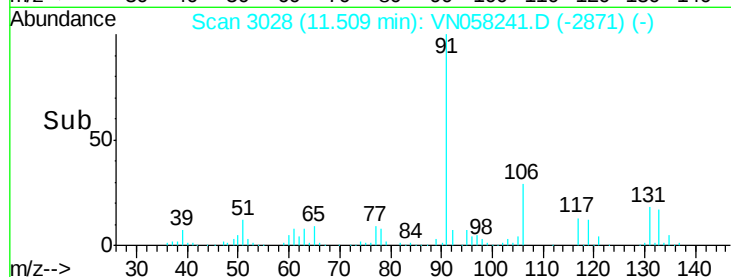
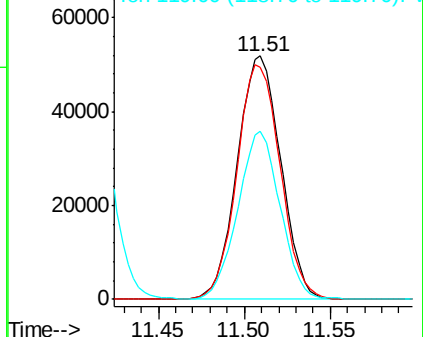
119 67.1 0.0 136.4



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: 20.567 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058241.D

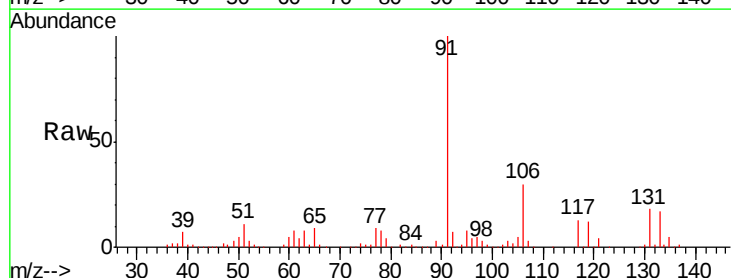
Acq: 20 Sep 2019 11:42

Tgt Ion: 91 Resp: 487671

Ion Ratio Lower Upper

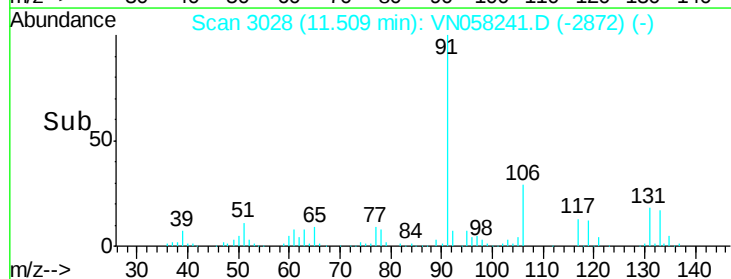
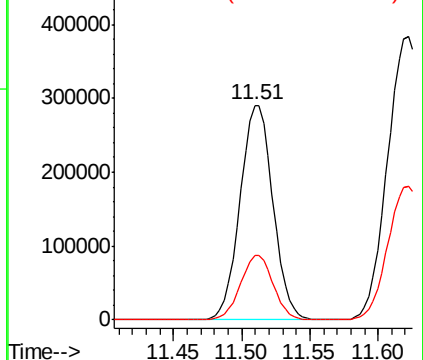
91 100

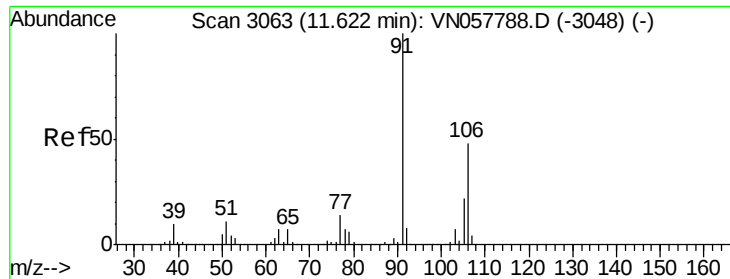
106 29.8 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

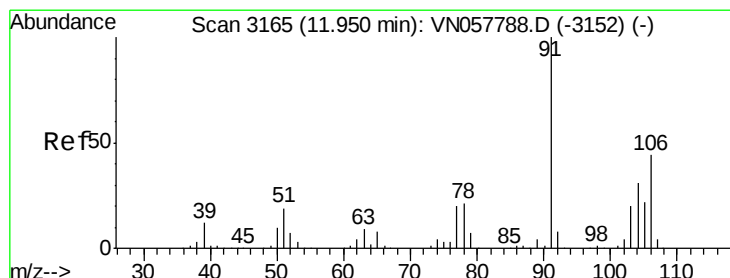
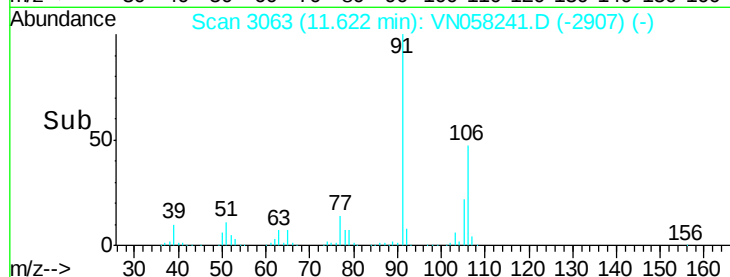
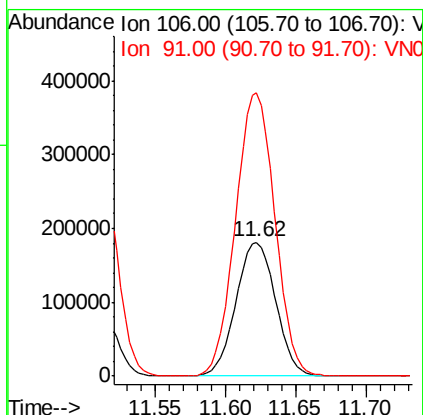
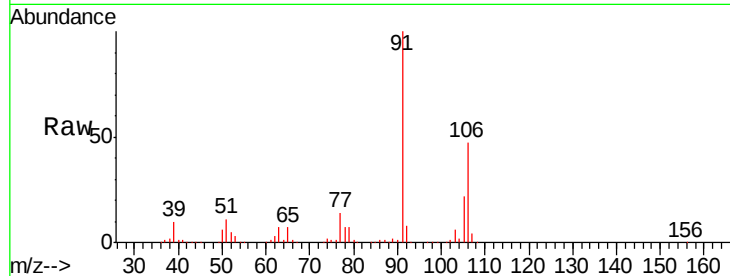




#67
m/p-Xylenes
Concen: 39.574 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

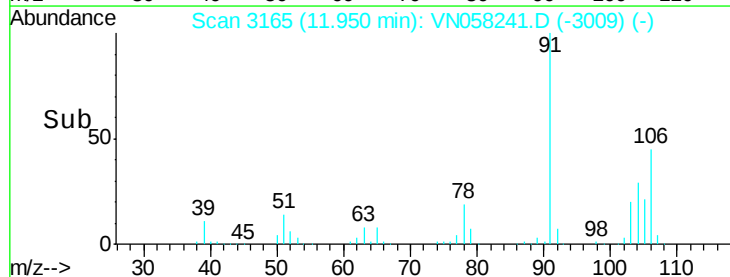
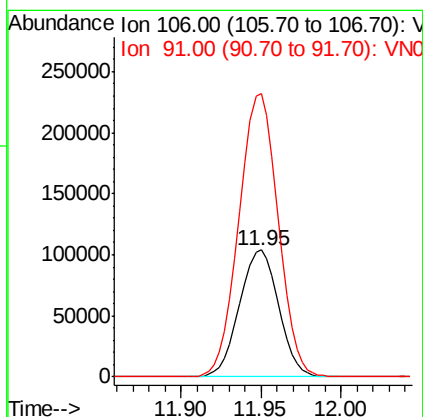
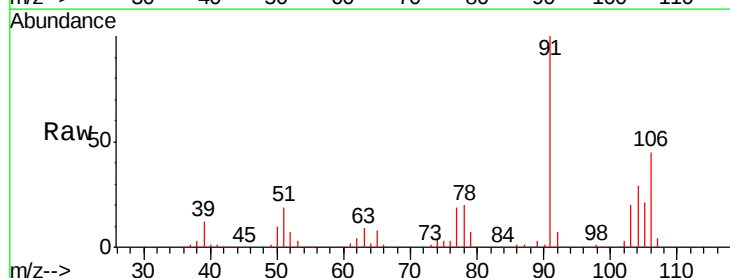
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

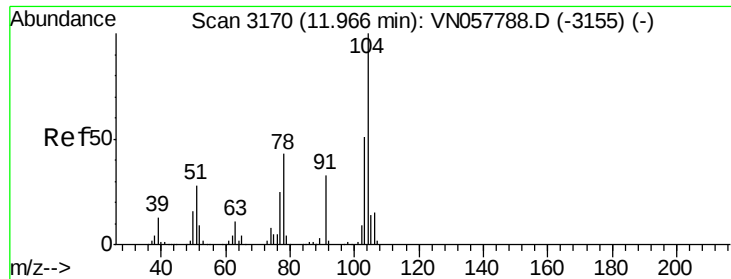
Tgt Ion:106 Resp: 358148
Ion Ratio Lower Upper
106 100
91 209.1 166.1 249.1



#68
o-Xylene
Concen: 19.623 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion:106 Resp: 173977
Ion Ratio Lower Upper
106 100
91 223.2 111.5 334.4

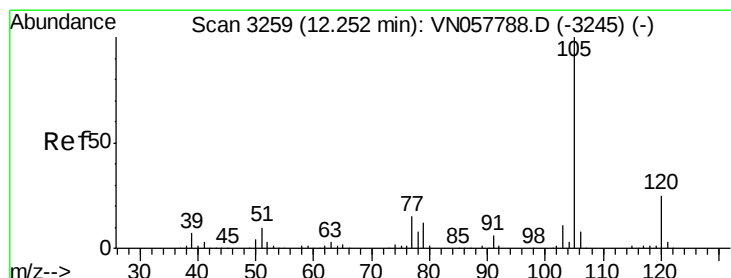
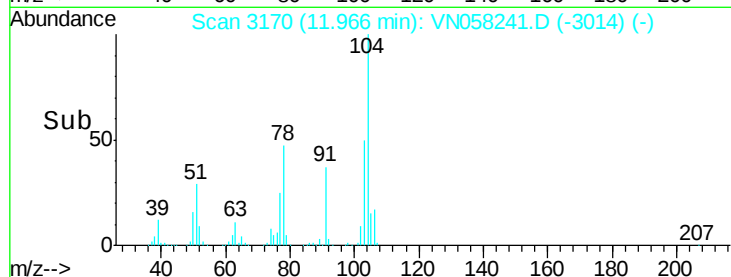
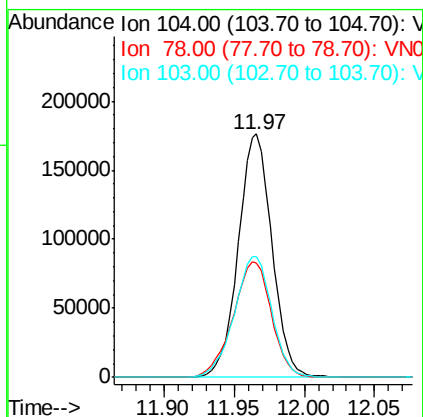
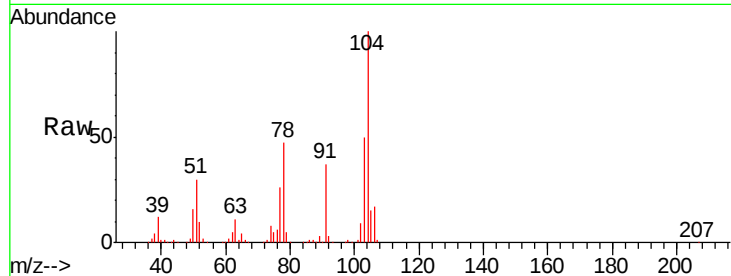




#69
Styrene
Concen: 19.575 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

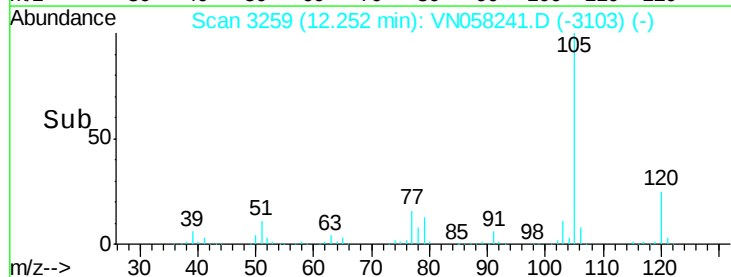
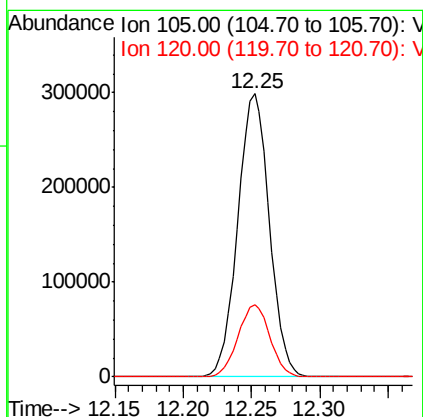
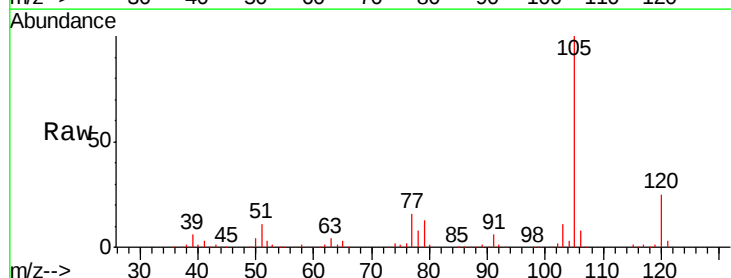
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

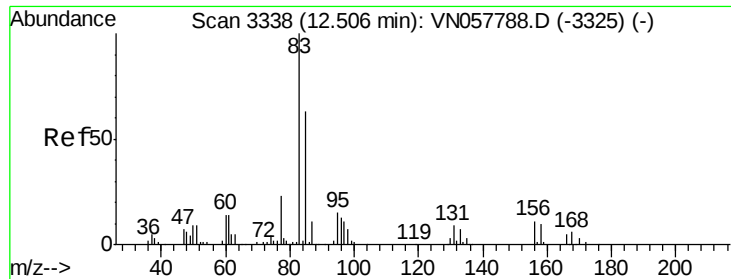
Tgt Ion:104 Resp: 295912
Ion Ratio Lower Upper
104 100
78 54.0 41.5 62.3
103 55.2 44.8 67.2



#70
Isopropylbenzene
Concen: 20.488 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion:105 Resp: 480228
Ion Ratio Lower Upper
105 100
120 25.8 17.6 32.6





#71

1,1,2,2-Tetrachloroethane

Concen: 19.731 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

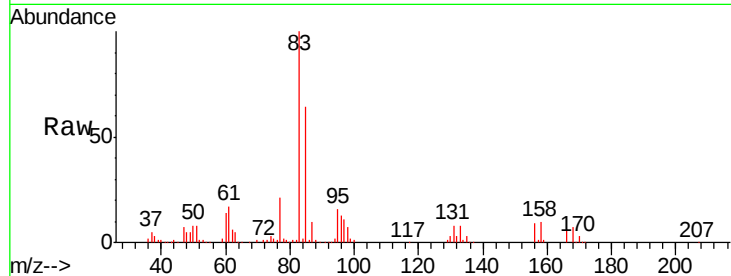
Tgt Ion: 83 Resp: 144540

Ion Ratio Lower Upper

83 100

131 9.4 4.9 14.6

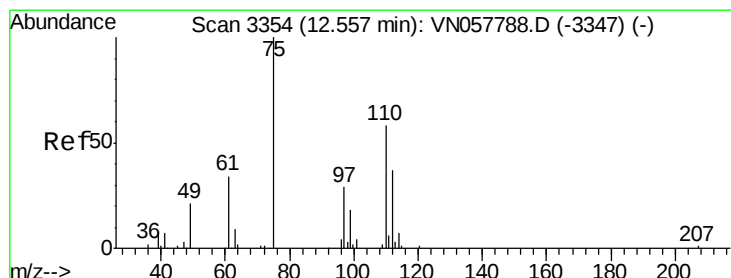
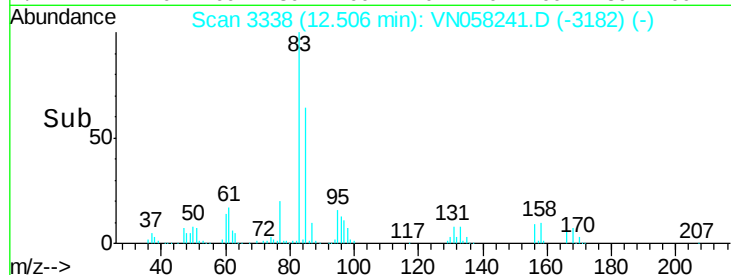
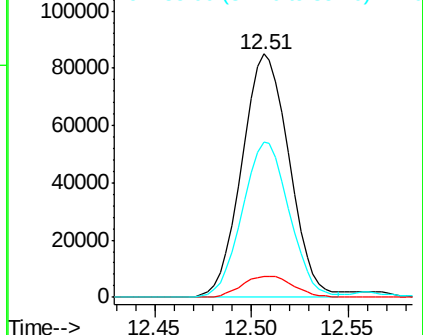
85 63.2 32.1 96.3



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 27.611 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058241.D

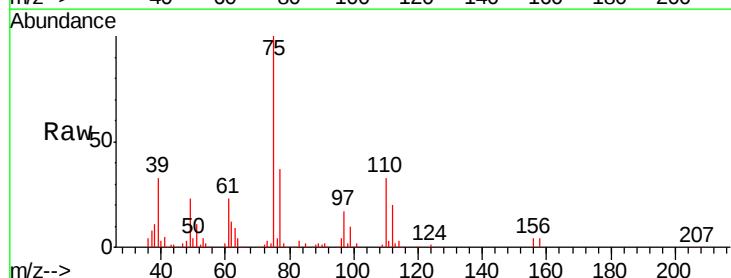
Acq: 20 Sep 2019 11:42

Tgt Ion: 75 Resp: 179521

Ion Ratio Lower Upper

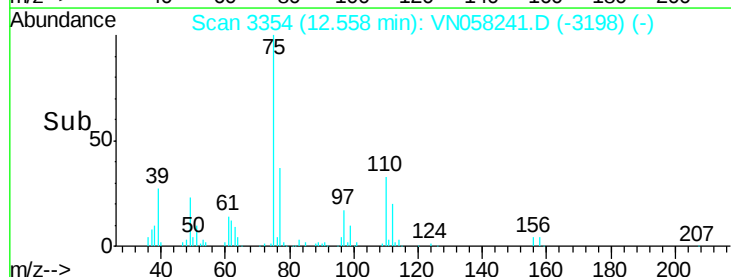
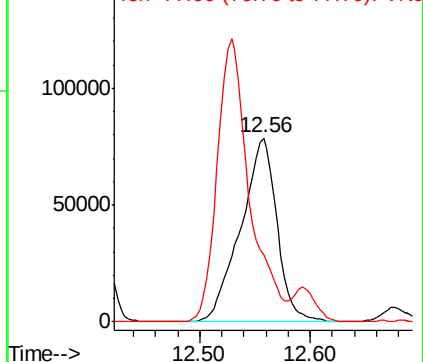
75 100

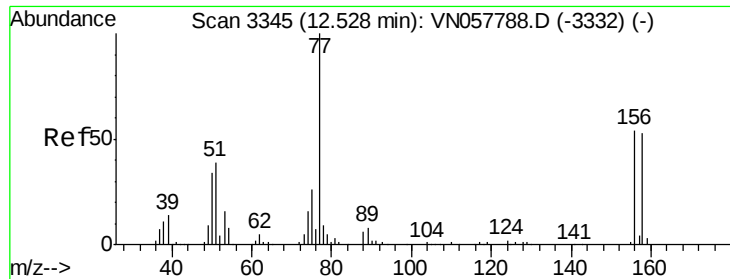
77 137.3 0.0 351.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 19.539 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

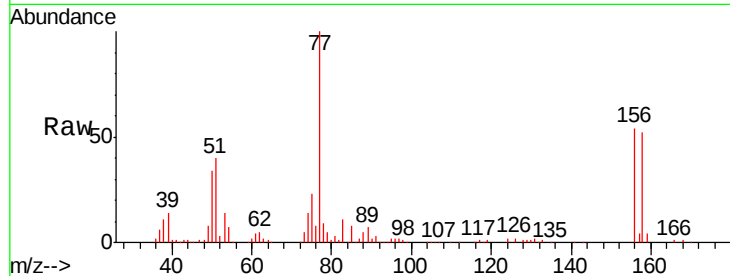
Tgt Ion:156 Resp: 109645

Ion Ratio Lower Upper

156 100

77 224.9 0.0 446.6

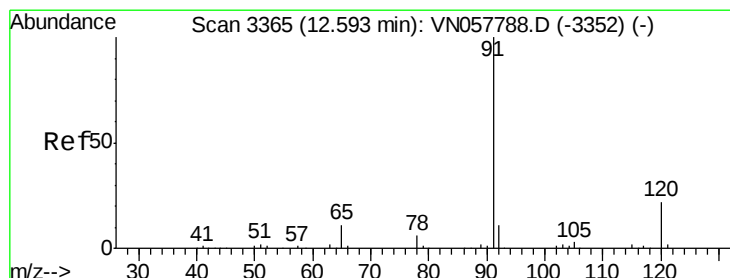
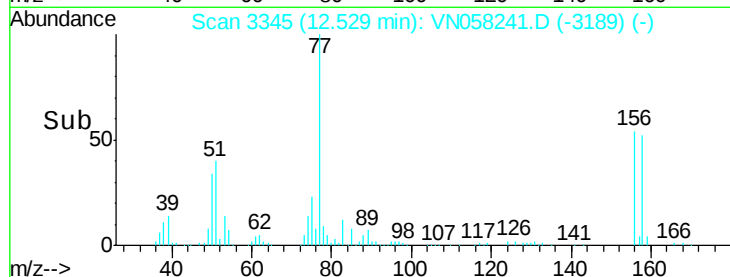
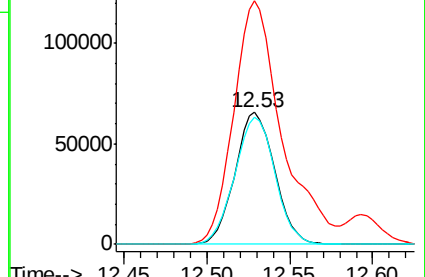
158 97.7 0.0 197.2



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: 20.849 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058241.D

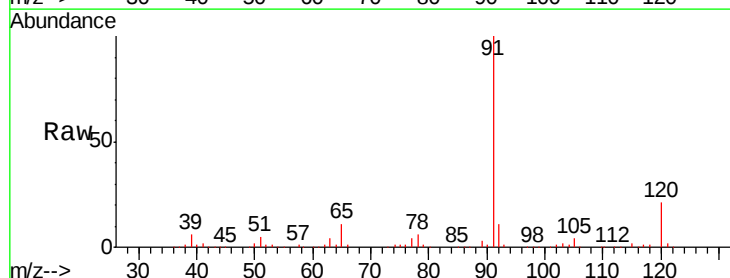
Acq: 20 Sep 2019 11:42

Tgt Ion: 91 Resp: 558344

Ion Ratio Lower Upper

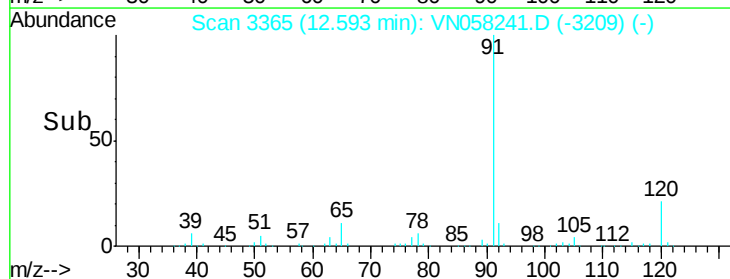
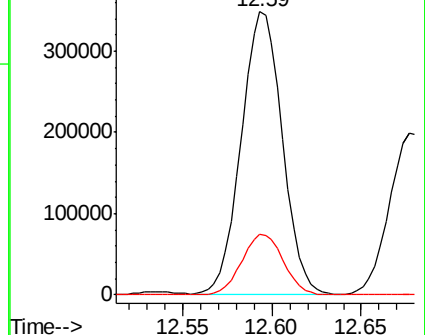
91 100

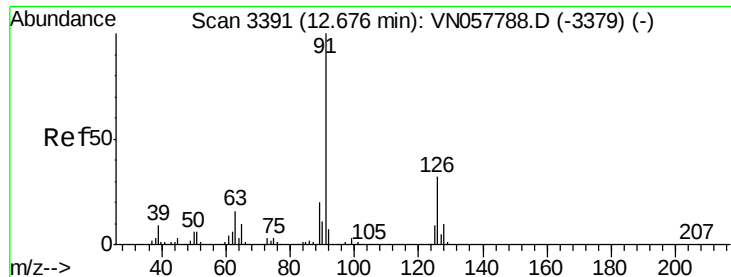
120 21.7 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.004 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

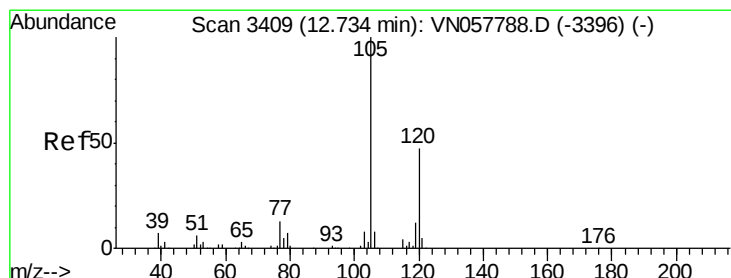
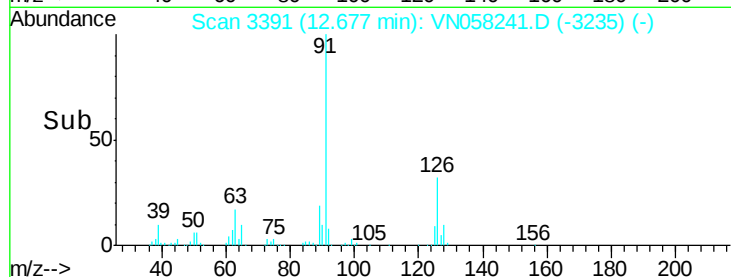
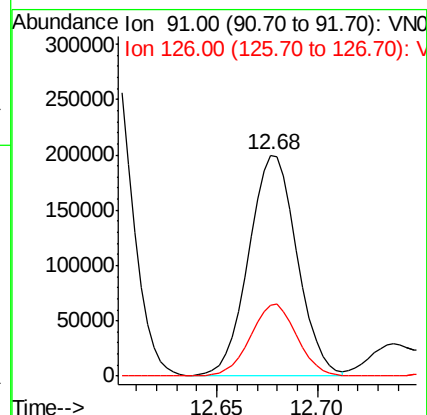
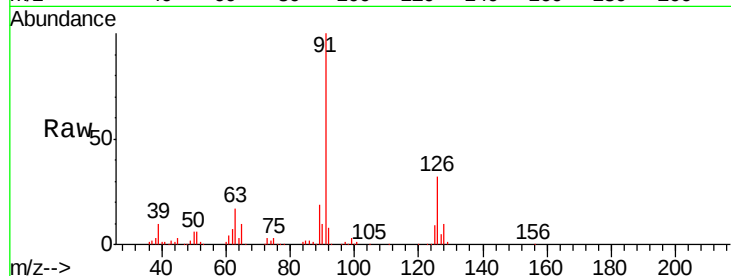
VSTDCCC020EC

Tgt Ion: 91 Resp: 333670

Ion Ratio Lower Upper

91 100

126 31.7 0.0 64.8



#76

1,3,5-Trimethylbenzene

Concen: 20.169 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058241.D

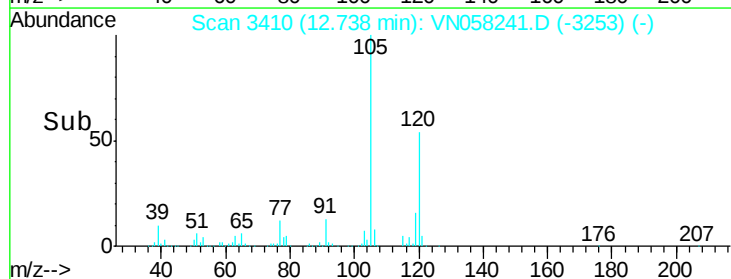
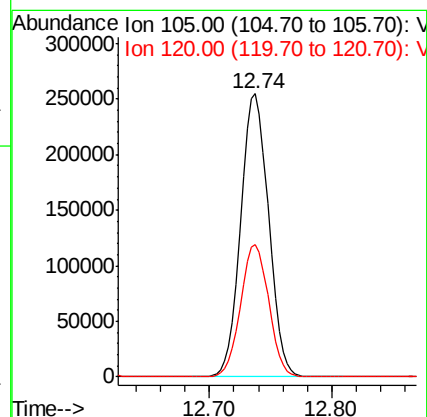
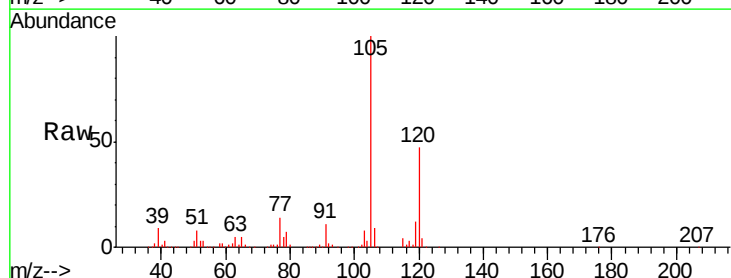
Acq: 20 Sep 2019 11:42

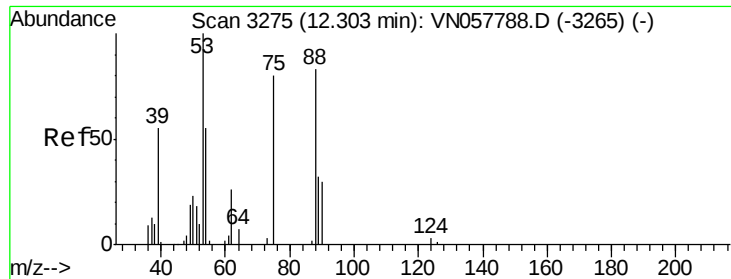
Tgt Ion: 105 Resp: 402554

Ion Ratio Lower Upper

105 100

120 47.2 0.0 94.4

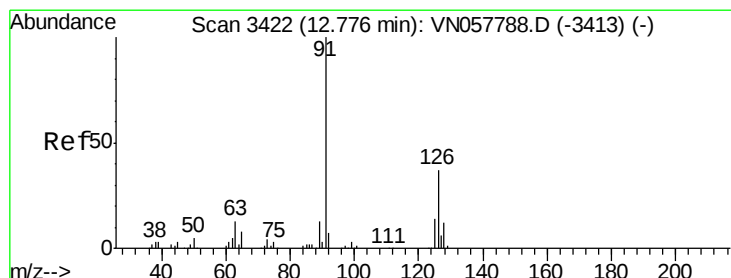
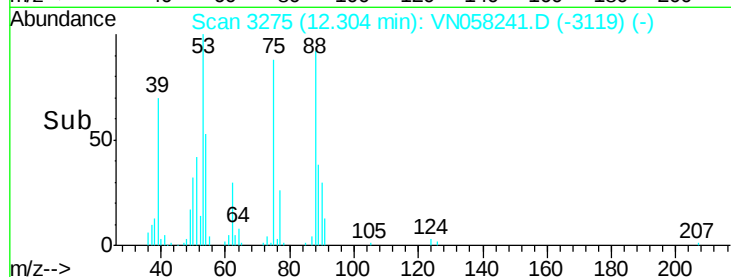
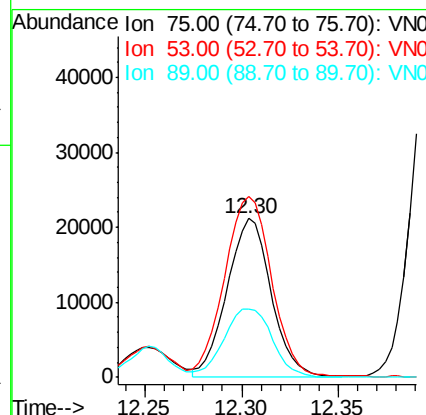
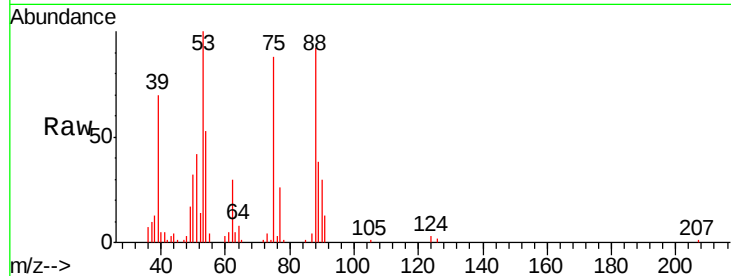




#77
t-1,4-Dichloro-2-butene
Concen: 17.514 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

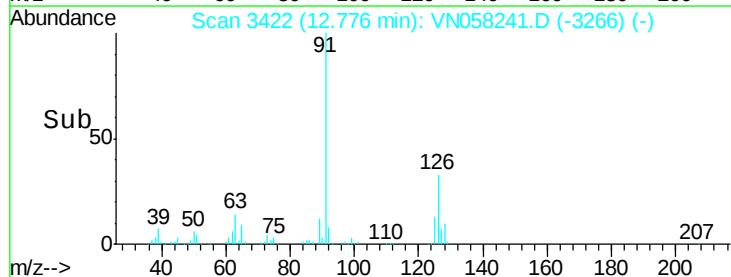
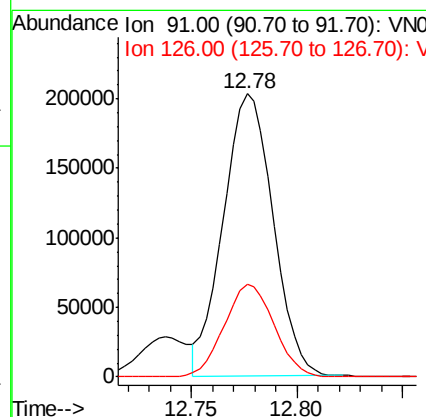
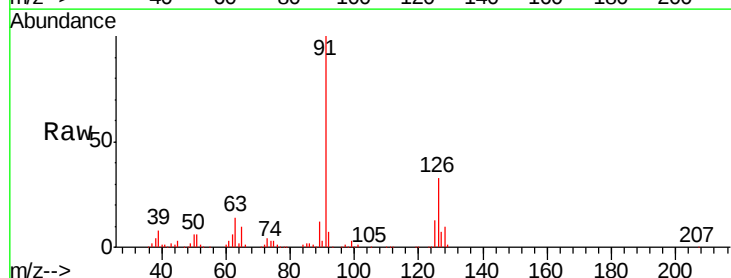
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

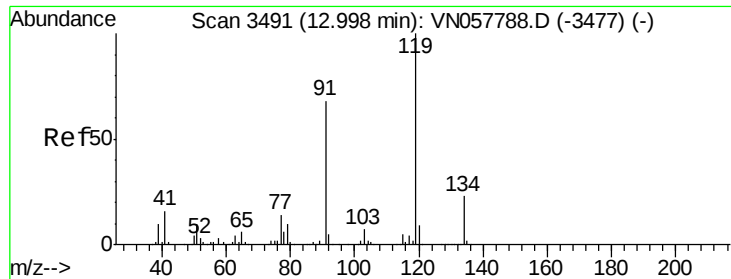
Tgt Ion: 75 Resp: 33783
Ion Ratio Lower Upper
75 100
53 114.3 62.7 188.2
89 43.7 22.8 68.3



#78
4-Chlorotoluene
Concen: 19.517 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion: 91 Resp: 332075
Ion Ratio Lower Upper
91 100
126 32.9 0.0 65.2

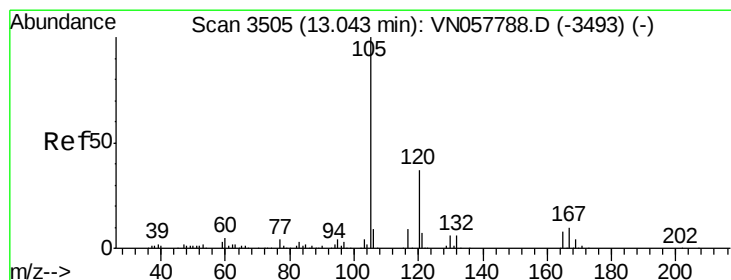
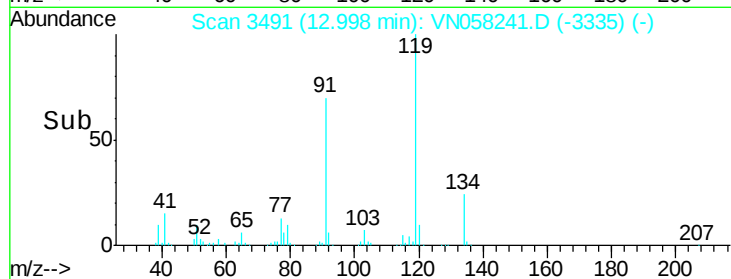
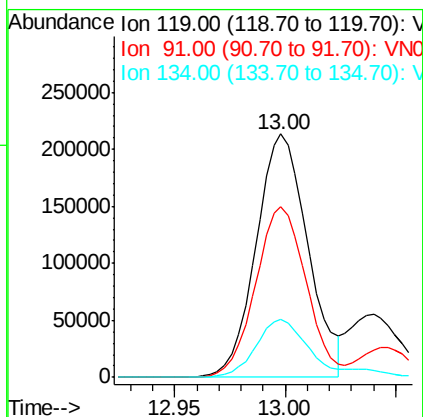
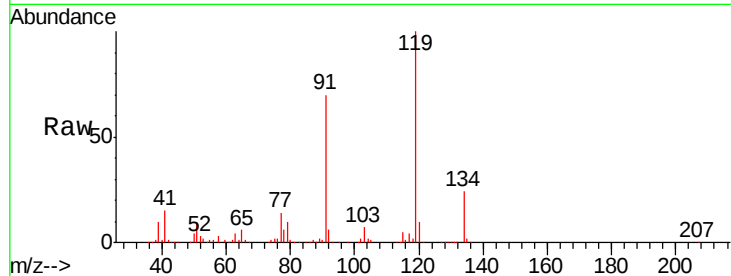




#79
tert-butylbenzene
Concen: 19.991 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

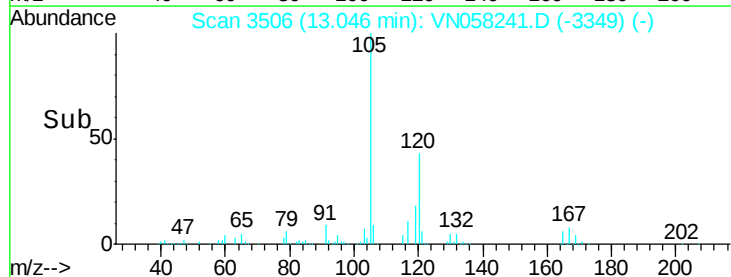
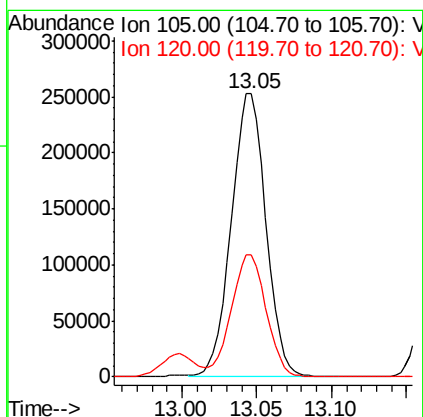
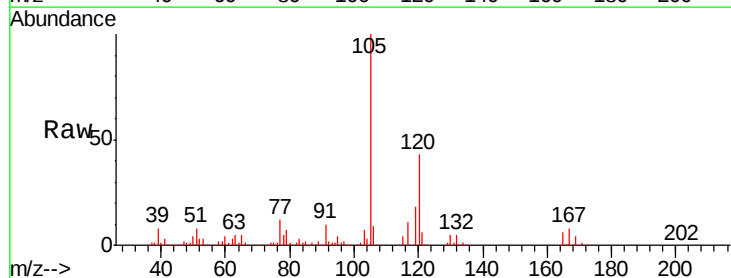
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

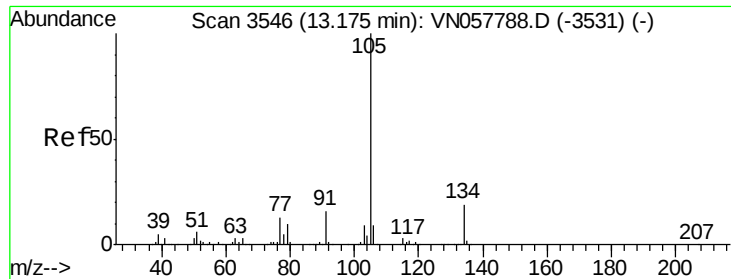
Tgt Ion:119 Resp: 348099
Ion Ratio Lower Upper
119 100
91 68.7 0.0 133.8
134 23.7 0.0 46.4



#80
1,2,4-Trimethylbenzene
Concen: 20.433 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058241.D
Acq: 20 Sep 2019 11:42

Tgt Ion:105 Resp: 406361
Ion Ratio Lower Upper
105 100
120 43.1 0.0 87.8

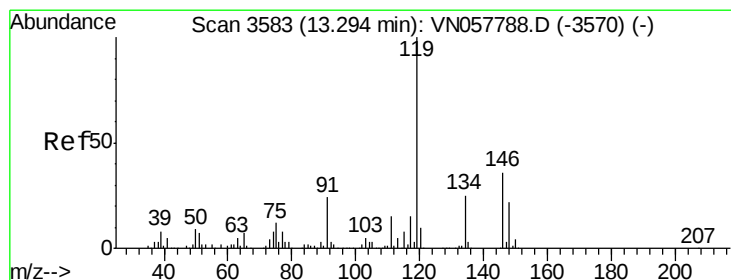
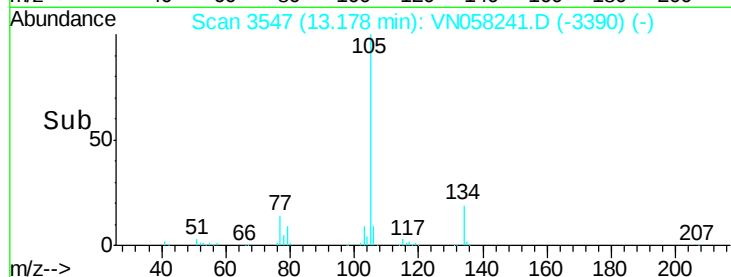
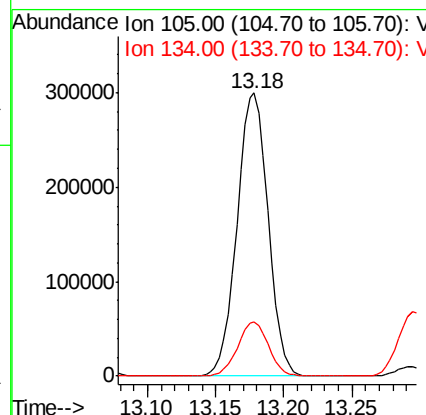
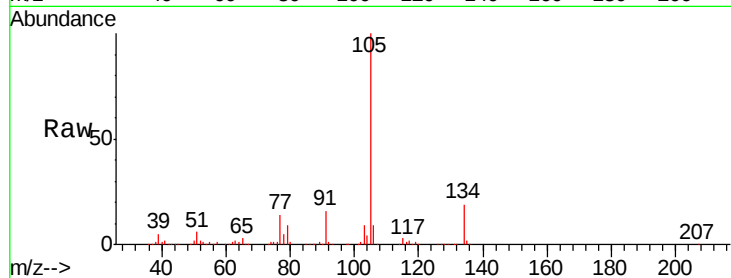




#81
 sec-Butylbenzene
 Concen: 20.435 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

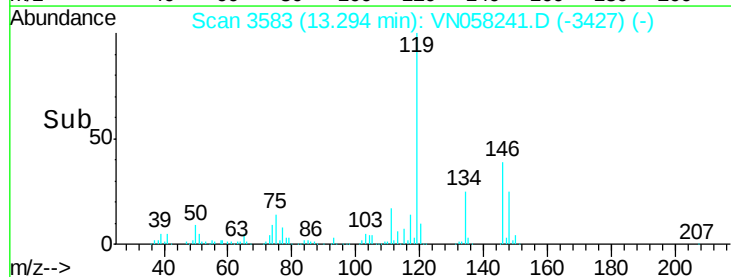
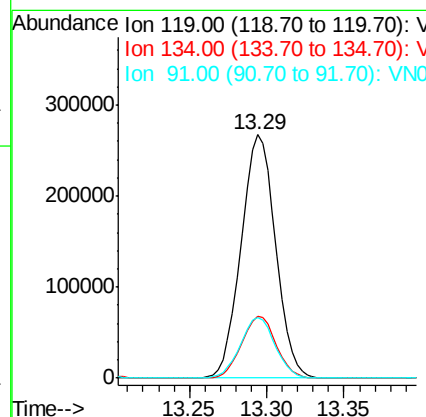
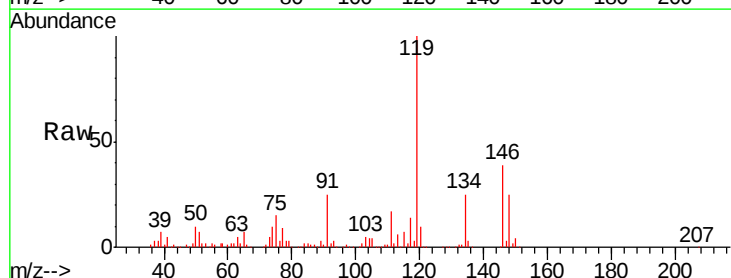
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

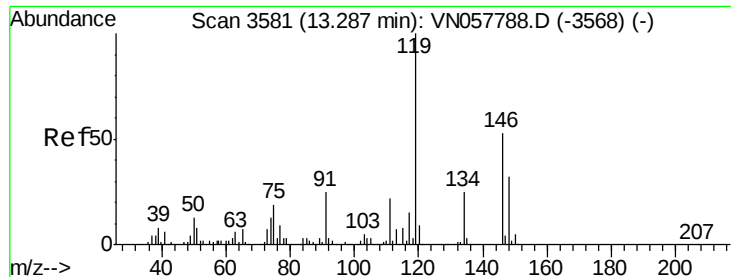
Tgt Ion:105 Resp: 472112
 Ion Ratio Lower Upper
 105 100
 134 19.1 0.0 37.6



#82
 p-Isopropyltoluene
 Concen: 19.977 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion:119 Resp: 413333
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 50.4
 91 24.8 0.0 48.8

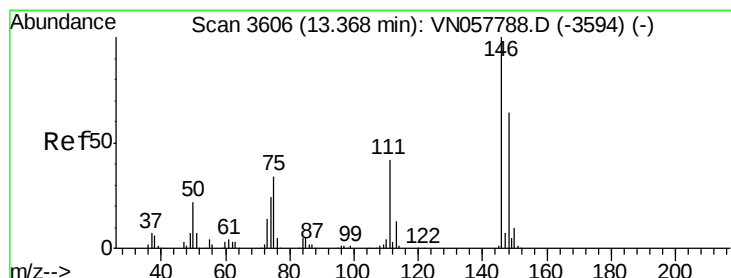
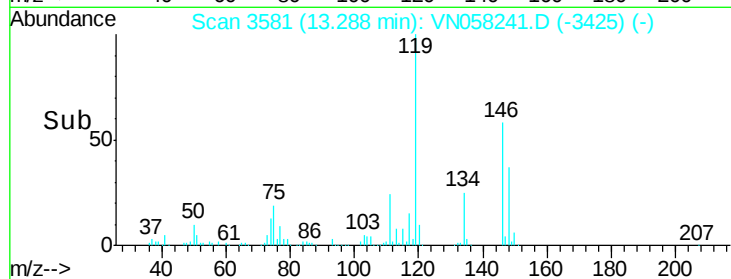
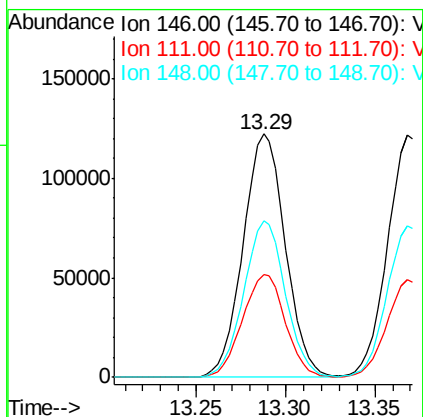
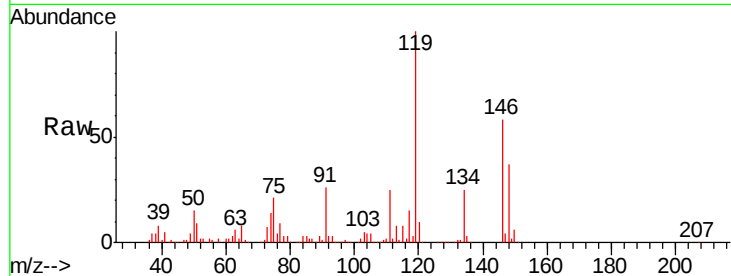




#83
 1,3-Dichlorobenzene
 Concen: 19.359 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

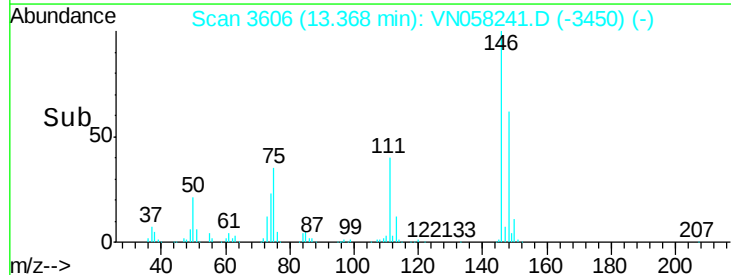
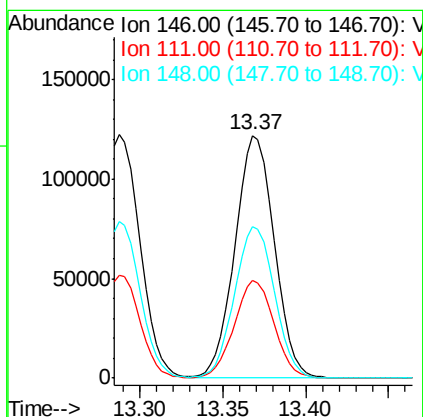
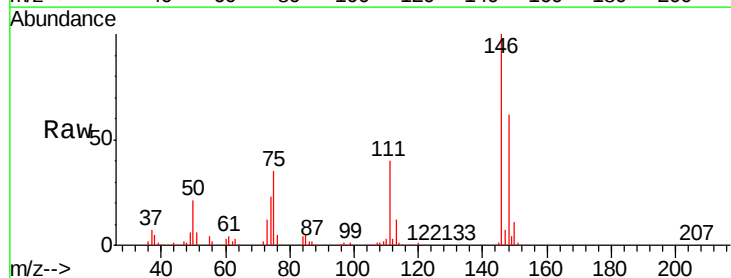
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

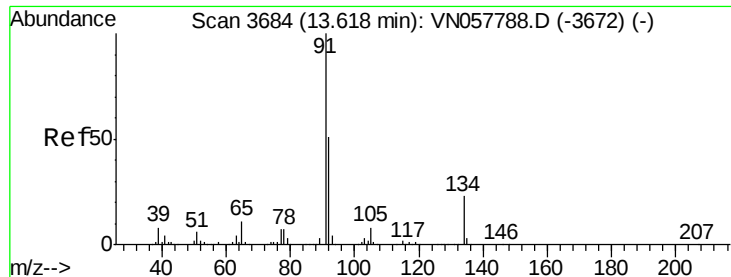
Tgt Ion:146 Resp: 201921
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.7 62.1
 148 63.4 30.9 92.5



#84
 1,4-Dichlorobenzene
 Concen: 19.590 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion:146 Resp: 201175
 Ion Ratio Lower Upper
 146 100
 111 40.6 21.1 63.4
 148 63.9 31.7 95.1





#85

n-Butylbenzene

Concen: 19.549 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

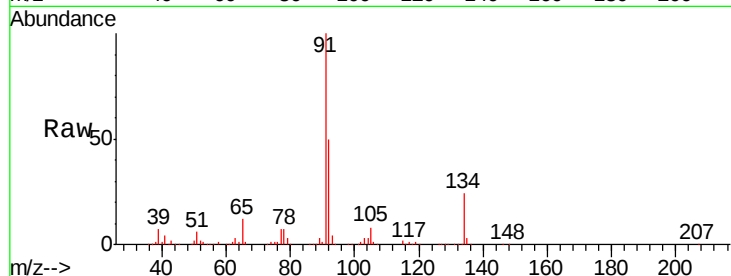
Tgt Ion: 91 Resp: 376958

Ion Ratio Lower Upper

91 100

92 50.2 0.0 100.0

134 24.2 0.0 46.6

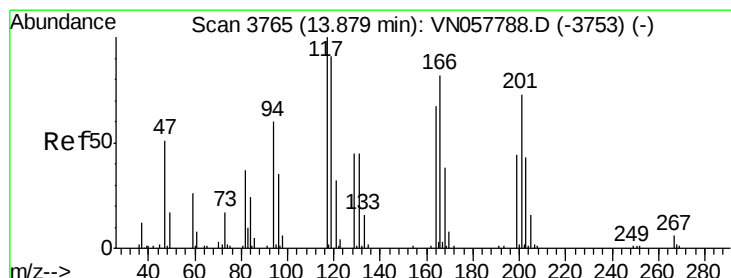
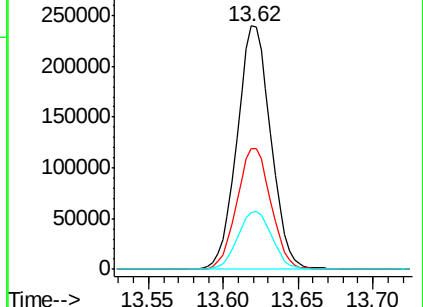
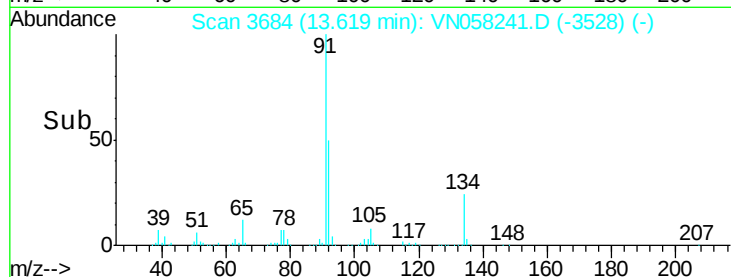


Abundance Ion 91.00 (90.70 to 91.70): VN057788.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN057788.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN057788.D (-3672) (-)

Time-->



#86

Hexachloroethane

Concen: 18.019 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058241.D

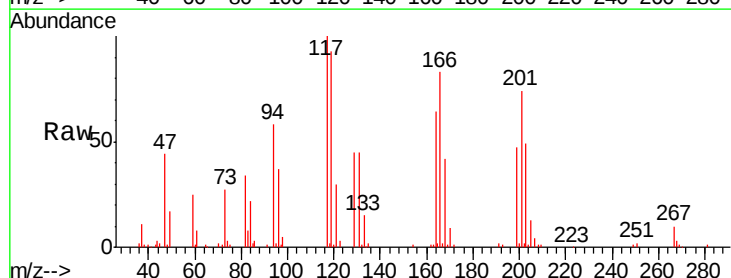
Acq: 20 Sep 2019 11:42

Tgt Ion: 117 Resp: 59383

Ion Ratio Lower Upper

117 100

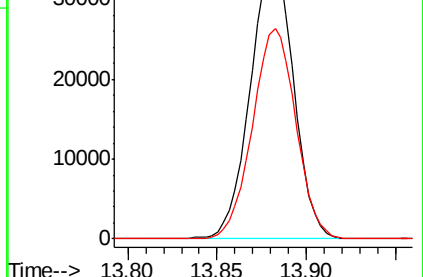
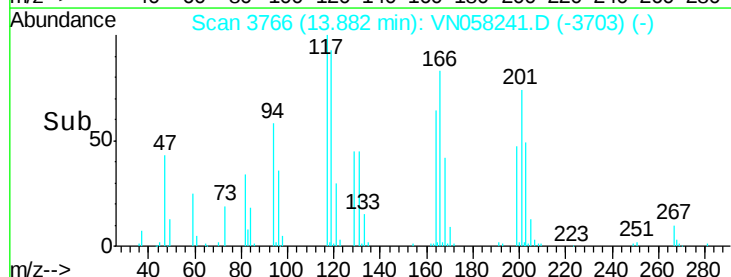
201 75.6 36.7 110.1

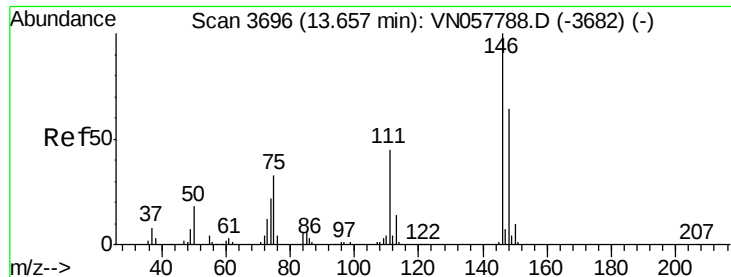


Abundance Ion 117.00 (116.70 to 117.70): VN057788.D (-3753) (-)

Ion 201.00 (200.70 to 201.70): VN057788.D (-3753) (-)

Time-->





#87

1,2-Dichlorobenzene

Concen: 19.957 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

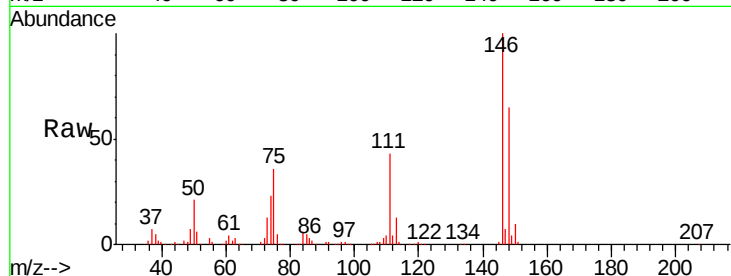
Tgt Ion:146 Resp: 202062

Ion Ratio Lower Upper

146 100

111 44.2 22.2 66.6

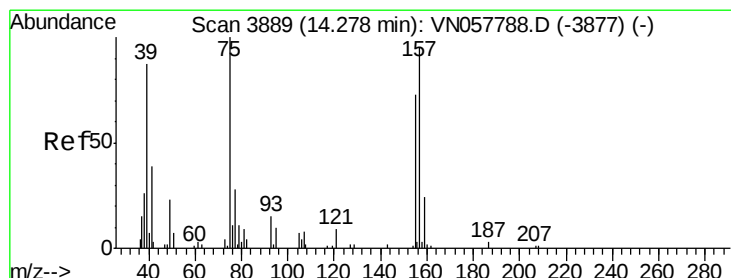
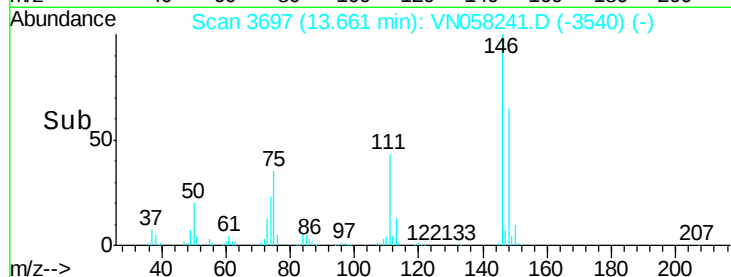
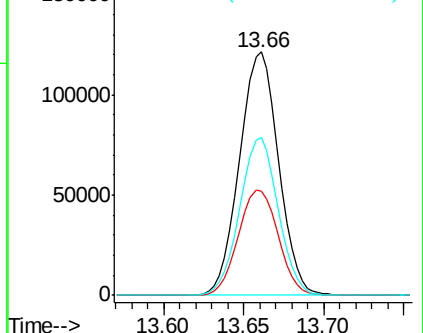
148 63.8 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.389 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

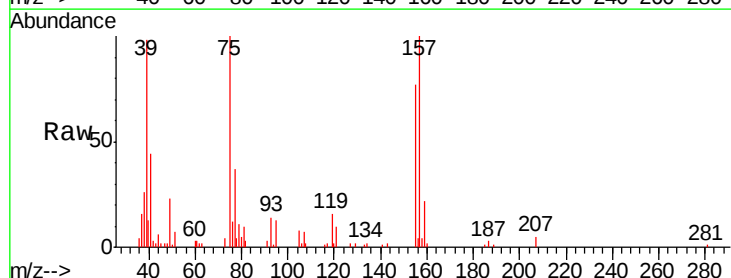
Tgt Ion: 75 Resp: 25008

Ion Ratio Lower Upper

75 100

155 74.2 59.4 89.2

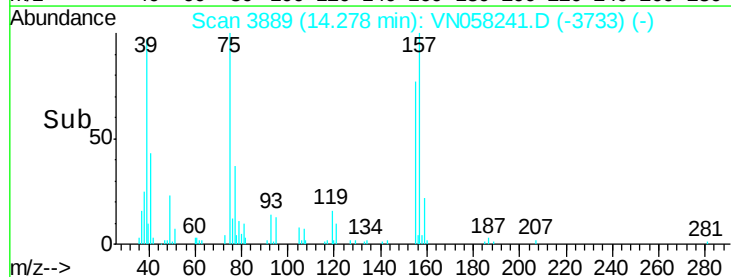
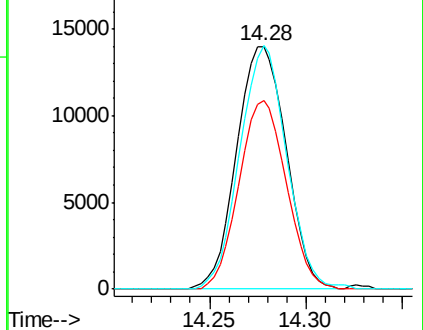
157 94.4 74.6 112.0

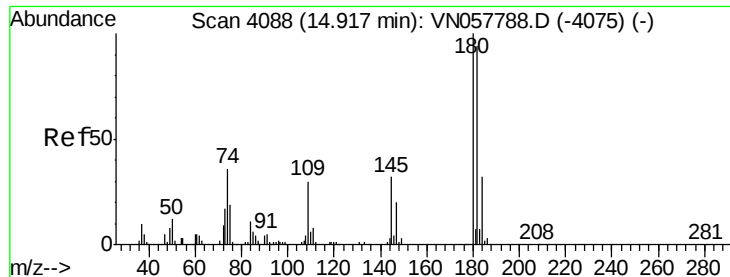


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

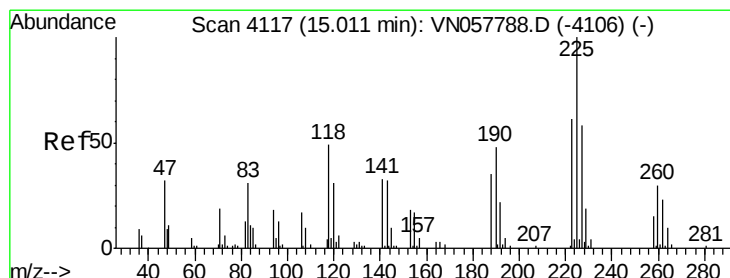
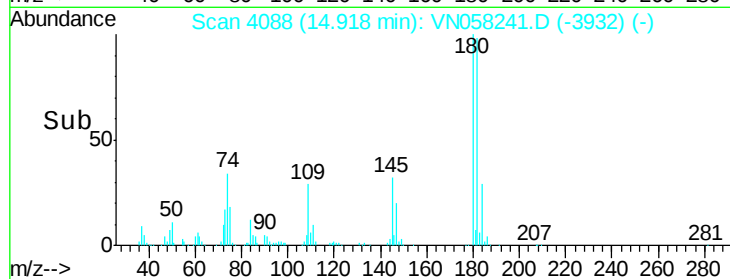
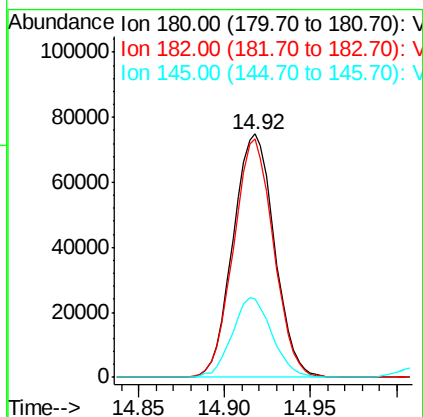
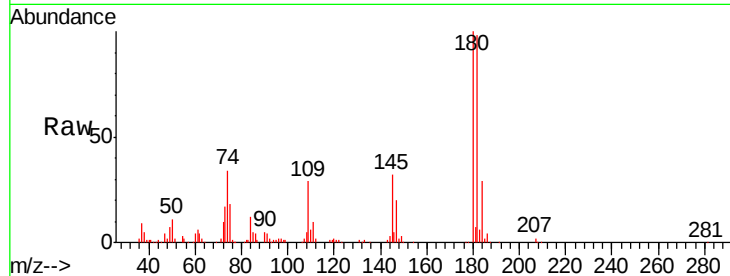




#89
 1,2,4-Trichlorobenzene
 Concen: 20.228 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

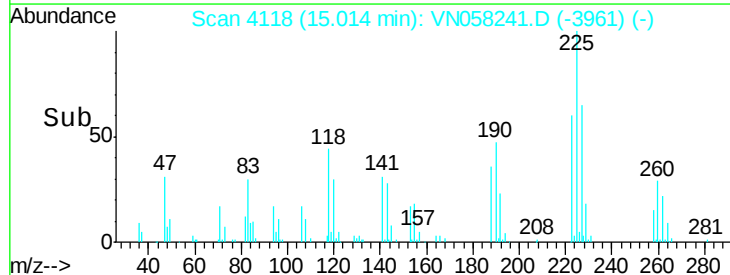
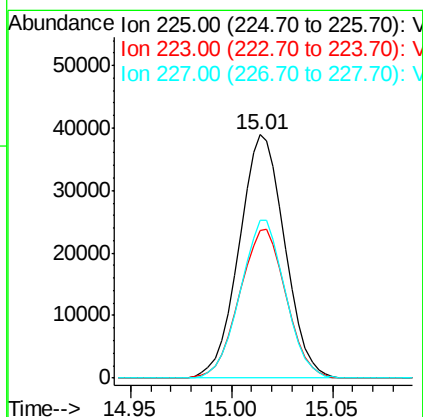
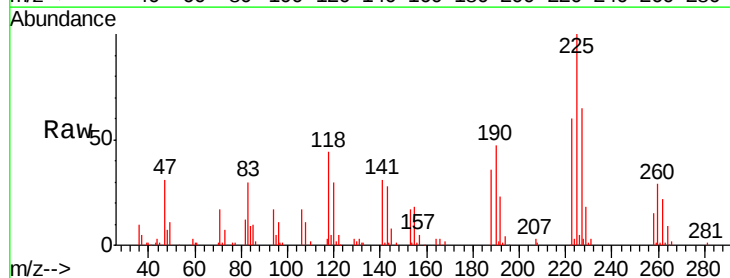
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

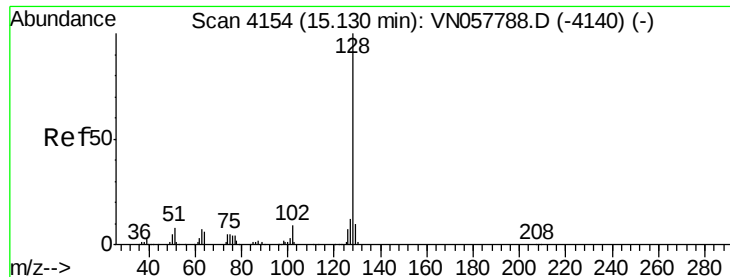
Tgt Ion:180 Resp: 125110
 Ion Ratio Lower Upper
 180 100
 182 94.8 77.0 115.4
 145 31.4 26.1 39.1



#90
 Hexachlorobutadiene
 Concen: 21.722 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058241.D
 Acq: 20 Sep 2019 11:42

Tgt Ion:225 Resp: 61700
 Ion Ratio Lower Upper
 225 100
 223 62.2 0.0 125.0
 227 63.7 0.0 123.8





#91

Naphthalene

Concen: 20.283 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

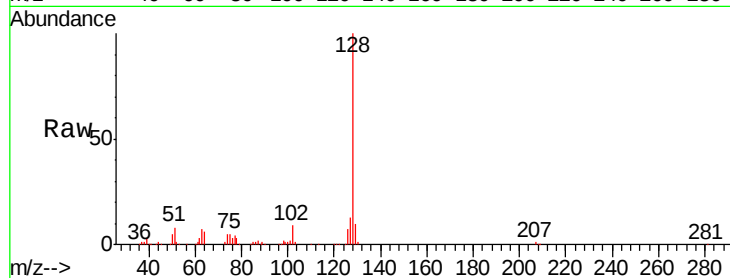
Tgt Ion:128 Resp: 345173

Ion Ratio Lower Upper

128 100

127 13.0 9.9 14.9

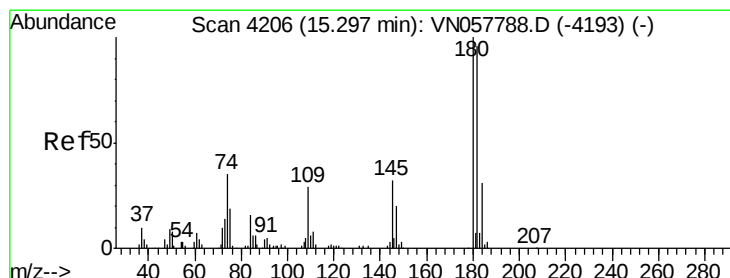
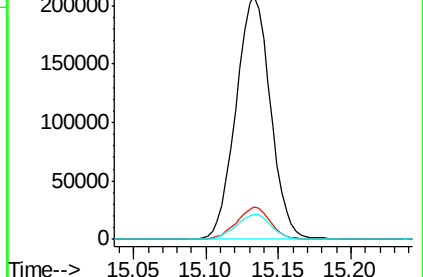
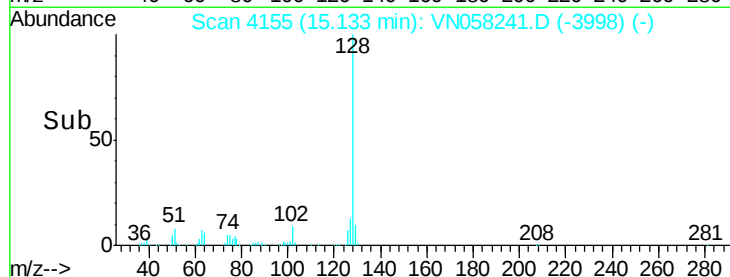
129 10.4 8.1 12.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 20.857 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058241.D

Acq: 20 Sep 2019 11:42

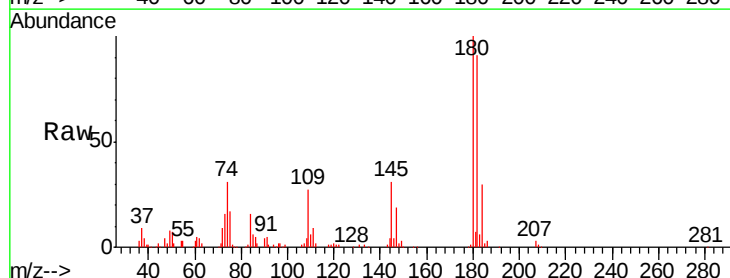
Tgt Ion:180 Resp: 123028

Ion Ratio Lower Upper

180 100

182 91.7 0.0 189.8

145 32.2 0.0 65.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

