

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057023.D
 Acq On : 1 Aug 2019 9:03
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Aug 02 05:06:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	80488	30.00	ug/l	-0.02
28) 1,4-Difluorobenzene	8.57	114	431389	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	369916	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	155446	29.51	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.37%
60) 4-Bromofluorobenzene	12.40	95	157978	28.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.97%
63) Toluene-d8	10.08	98	537766	30.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	100655	20.916	ug/l 99
3) Chloromethane	2.06	50	111410	18.972	ug/l 99
4) Vinyl Chloride	2.18	62	106084	18.737	ug/l 99
5) Bromomethane	2.55	94	64536	18.565	ug/l 96
6) Chloroethane	2.69	64	57524	18.317	ug/l 100
7) Trichlorofluoromethane	3.00	101	145165	21.055	ug/l 100
8) Diethyl Ether	3.40	74	51143	19.907	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	89290	20.621	ug/l 87
10) 1,1-Dichloroethene	3.72	96	83377	19.404	ug/l 98
11) Methyl Iodide	3.94	142	116526	18.330	ug/l 100
12) Methyl Acetate	4.31	43	76240	14.498	ug/l 93
13) Acrolein	3.60	56	65133	109.438	ug/l 95
14) Acrylonitrile	4.97	53	178821	88.172	ug/l 98
15) Acetone	3.80	58	74889	142.829	ug/l 92
16) Carbon Disulfide	4.04	76	224300	19.359	ug/l 99
17) Allyl chloride	4.31	41	127294	17.703	ug/l 97
18) Methylene Chloride	4.54	84	96003	19.196	ug/l 96
19) trans-1,2-Dichloroethene	5.02	96	89148	19.604	ug/l 98
20) Diisopropyl ether	5.93	45	269763	18.478	ug/l 99
21) 1,1-Dichloroethane	5.83	63	160880	18.962	ug/l 97
22) cis-1,2-Dichloroethene	6.81	96	101728	19.301	ug/l 98
23) tert-Butyl Alcohol	4.77	59	61795	91.304	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	240111	18.483	ug/l 99
25) Chloroform	7.36	83	162216	19.599	ug/l 96
26) Cyclohexane	7.64	56	149039	19.123	ug/l # 98
29) 1,1-Dichloropropene	7.78	75	122057	19.938	ug/l 98
30) 2-Butanone	6.82	43	254175	103.344	ug/l 100
31) 2,2-Dichloropropane	6.81	77	120041	21.130	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	136350	20.271	ug/l 97
33) Carbon Tetrachloride	7.76	117	117500	20.014	ug/l 95
34) Benzene	8.03	78	373596	19.368	ug/l 99
35) Methacrylonitrile	7.16	41	38772	15.785	ug/l 97
36) 1,2-Dichloroethane	8.11	62	118352	19.737	ug/l 99
37) Trichloroethene	8.82	130	104427	20.193	ug/l 99
38) Methylcyclohexane	9.07	83	155448	19.961	ug/l 98
39) 1,2-Dichloropropane	9.11	63	98716	19.173	ug/l 99
40) Dibromomethane	9.20	93	61891	19.595	ug/l 100

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	118986	19.604	ug/l	99
42) Vinyl Acetate	5.88	43	971494	88.696	ug/l	99
43) Ethyl Acetate	6.91	43	84741	16.807	ug/l	96
44) Isopropyl Acetate	8.15	43	153070	18.213	ug/l #	83
45) 1,4-Dioxane	9.19	88	30175	377.136	ug/l	96
46) Methyl methacrylate	9.19	41	68935	16.441	ug/l	94
47) n-amyl Acetate	12.06	43	105988	15.753	ug/l	99
48) t-1,3-Dichloropropene	10.37	75	117321	18.576	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	141616	19.241	ug/l	98
50) 1,1,2-Trichloroethane	10.55	97	88370	19.487	ug/l	97
51) Ethyl methacrylate	10.42	69	114837	17.507	ug/l	99
52) 1,3-Dichloropropane	10.70	76	146772	19.177	ug/l	99
53) Dibromochloromethane	10.89	129	90482	19.195	ug/l	100
54) 1,2-Dibromoethane	11.00	107	88604	19.152	ug/l	100
55) 2-Chloroethyl vinyl ether	9.68	63	229033	80.623	ug/l	98
56) Bromoform	12.12	173	61824	18.956	ug/l	98
58) 4-Methyl-2-Pentanone	9.97	43	438064	88.246	ug/l	97
59) 2-Hexanone	10.74	43	318633	94.197	ug/l	98
61) Tetrachloroethene	10.62	164	111292	21.467	ug/l	99
62) Toluene	10.15	91	395890	19.678	ug/l	99
64) Chlorobenzene	11.43	112	243103	20.060	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.50	131	91961	20.035	ug/l	99
66) Ethyl Benzene	11.50	91	415271	19.588	ug/l	99
67) m/p-Xylenes	11.62	106	317206	40.124	ug/l	99
68) o-Xylene	11.94	106	152057	19.563	ug/l	100
69) Styrene	11.96	104	241965	19.210	ug/l	99
70) Isopropylbenzene	12.24	105	407008	19.887	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	110875	19.342	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	128719	25.522	ug/l	68
73) Bromobenzene	12.52	156	103174	19.536	ug/l	98
74) n-propylbenzene	12.59	91	431330	19.275	ug/l	99
75) 2-Chlorotoluene	12.67	91	267422	19.711	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	347884	20.191	ug/l	98
77) t-1,4-Dichloro-2-butene	12.29	75	27573	17.412	ug/l	93
78) 4-Chlorotoluene	12.77	91	242120	18.774	ug/l	100
79) tert-butylbenzene	12.99	119	301008	20.246	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	332354	19.788	ug/l	99
81) sec-Butylbenzene	13.17	105	382901	19.726	ug/l	100
82) p-Isopropyltoluene	13.29	119	339837	19.494	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	152750	18.370	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	140350	17.852	ug/l	99
85) n-Butylbenzene	13.61	91	239260	17.479	ug/l	98
86) Hexachloroethane	13.87	117	57430	19.685	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	157479	19.067	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14208	16.021	ug/l	91
89) 1,2,4-Trichlorobenzene	14.91	180	52269	17.204	ug/l	99
90) Hexachlorobutadiene	15.00	225	67533	22.245	ug/l	98
91) Naphthalene	15.12	128	116967	15.692	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	60981	13.966	ug/l	97

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 24 04:19:57 2019
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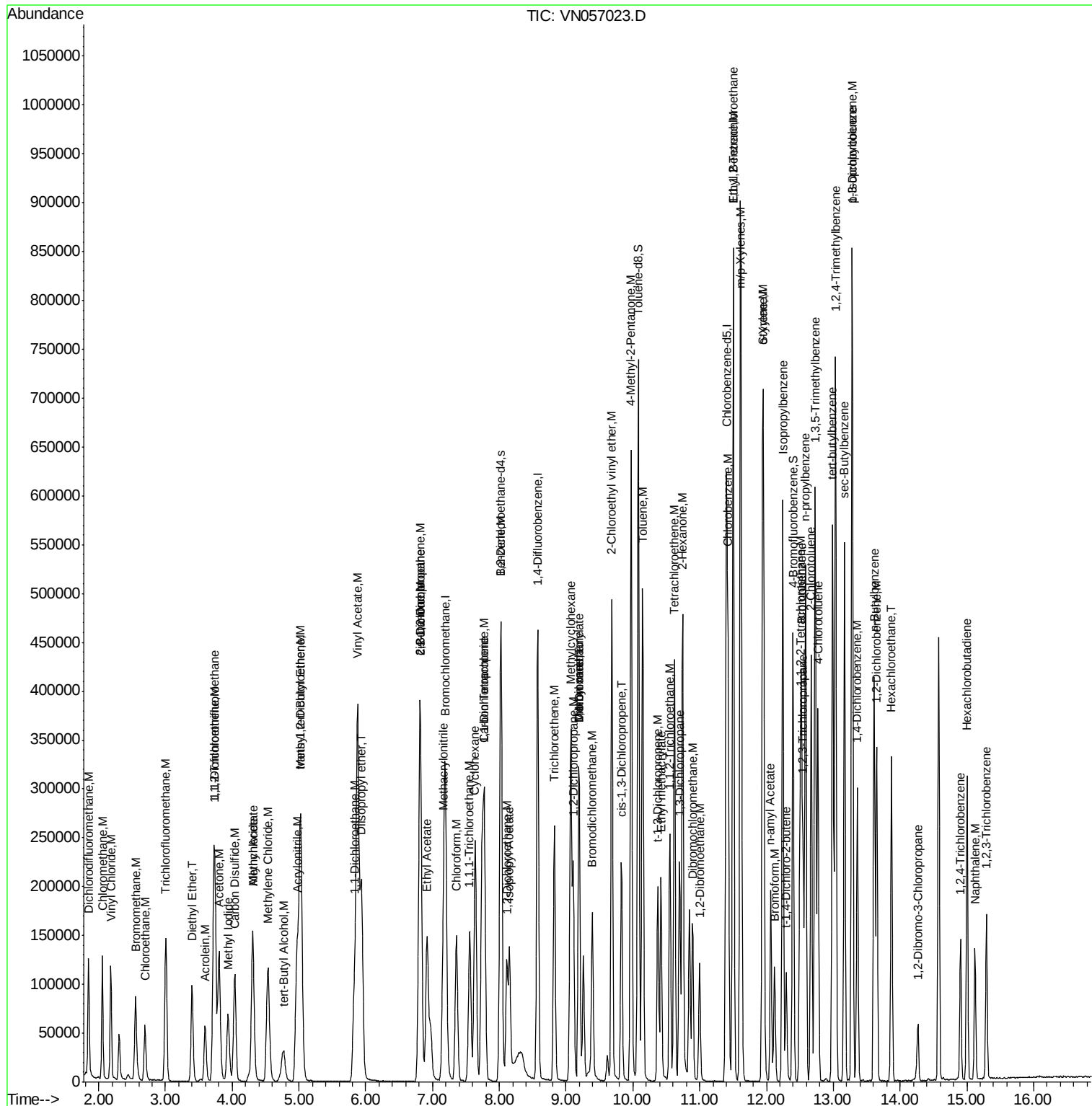
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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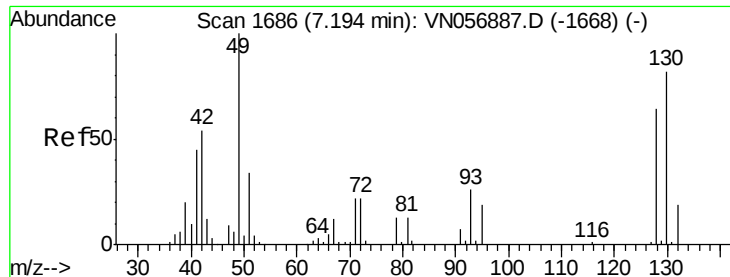
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080119\
Data File : VN057023.D
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Operator : JC/SP
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Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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Quant Time: Aug 02 05:06:33 2019
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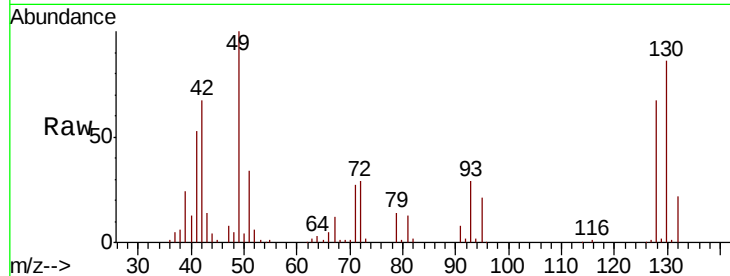




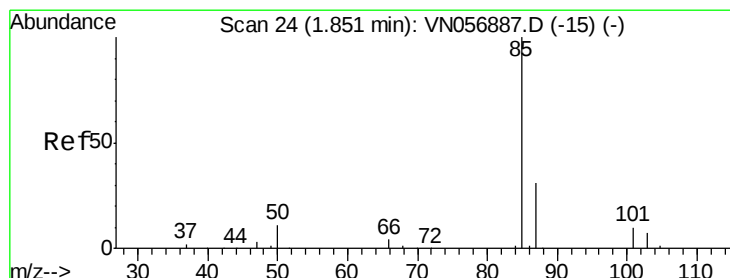
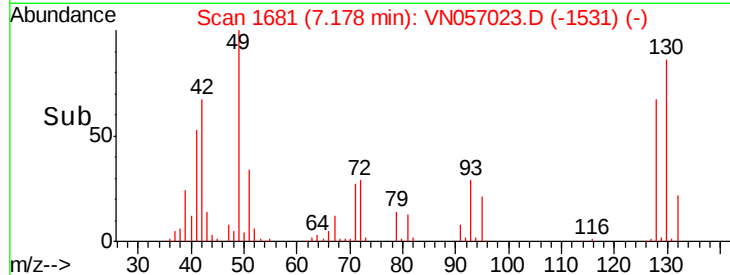
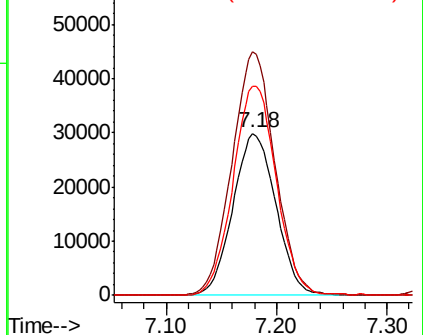
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. -0.02 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:128 Resp: 80488
 Ion Ratio Lower Upper
 128 100
 49 150.6 0.0 385.8
 130 130.4 0.0 322.5

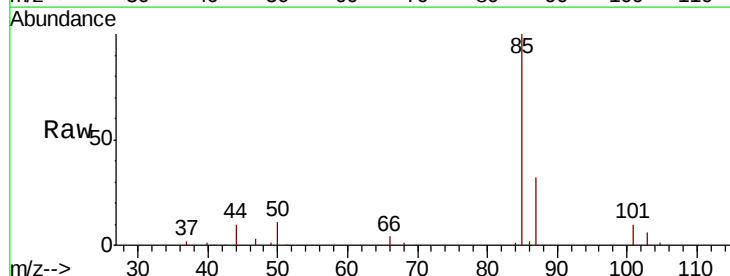


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

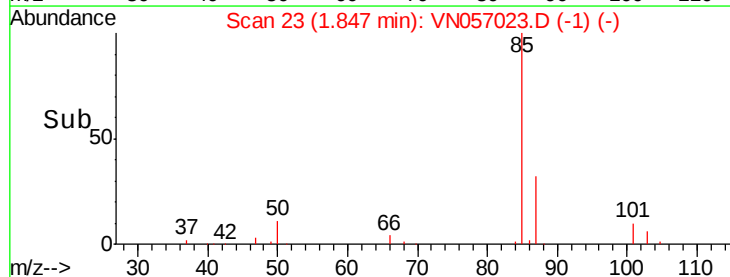
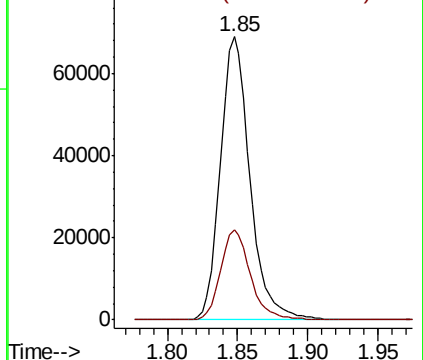


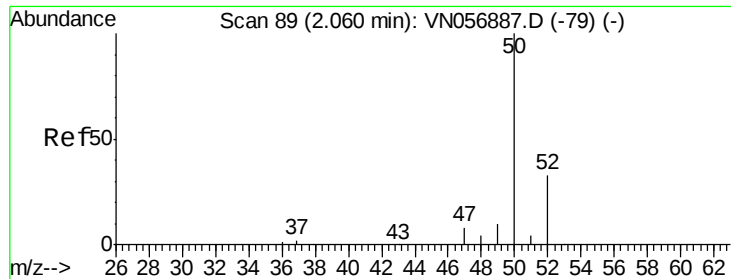
#2
 Dichlorodifluoromethane
 Concen: 20.916 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. -0.00 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Tgt Ion: 85 Resp: 100655
 Ion Ratio Lower Upper
 85 100
 87 31.8 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VN
 Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 18.972 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

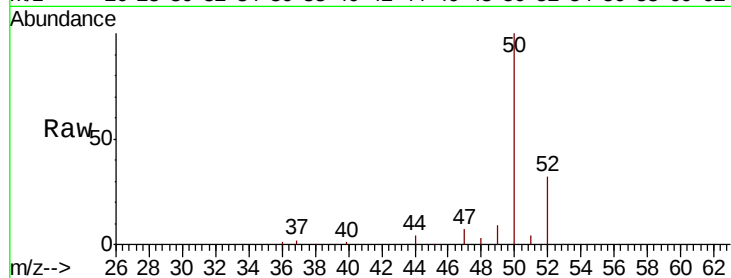
VSTDCCC020

Tot Ion: 50 Resp: 111410

Ion Ratio Lower Upper

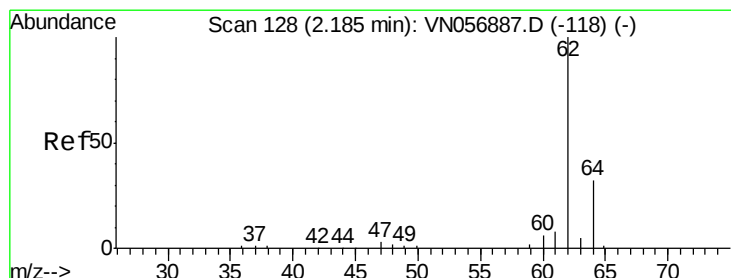
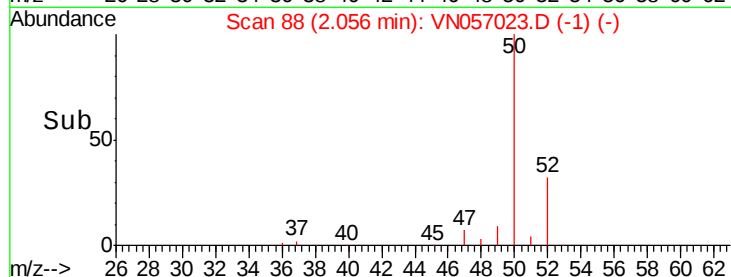
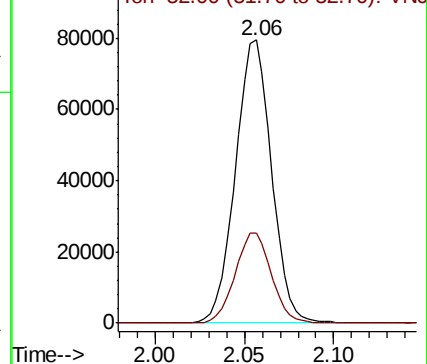
50 100

52 31.9 26.2 39.2



Abundance Ion 50.00 (49.70 to 50.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#4

Vinyl Chloride

Concen: 18.737 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057023.D

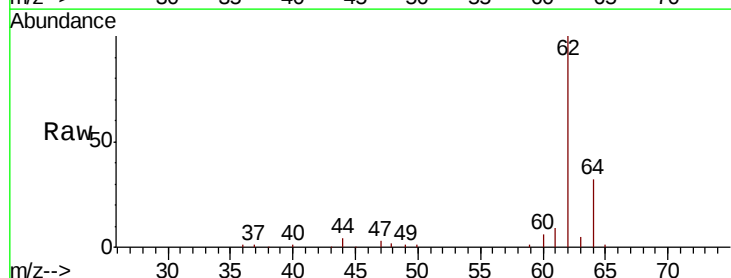
Acq: 1 Aug 2019 9:03

Tgt Ion: 62 Resp: 106084

Ion Ratio Lower Upper

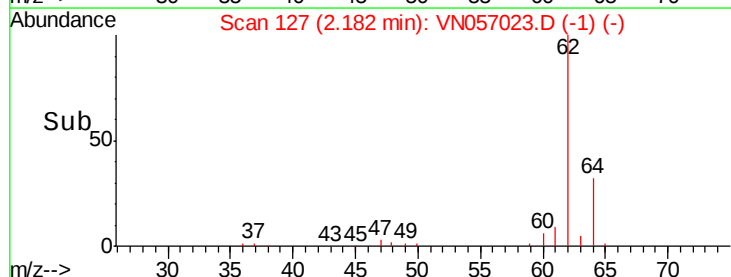
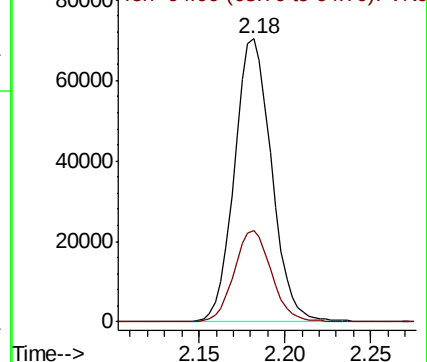
62 100

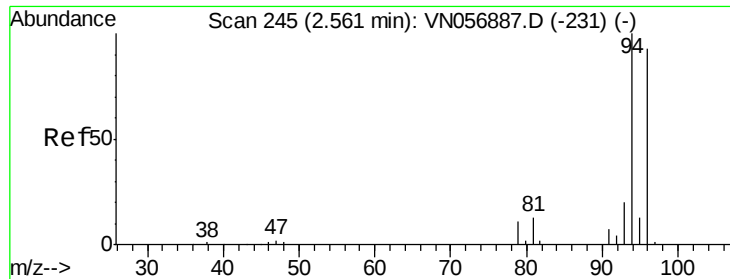
64 32.3 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VNC

Ion 64.00 (63.70 to 64.70): VNC

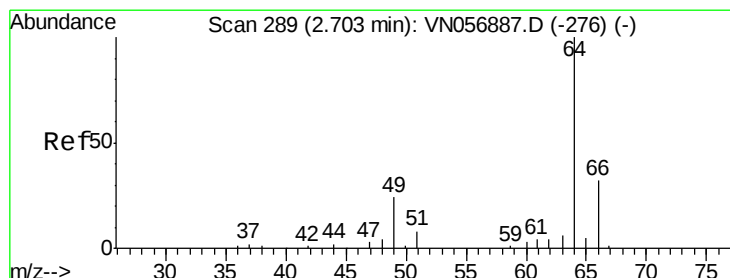
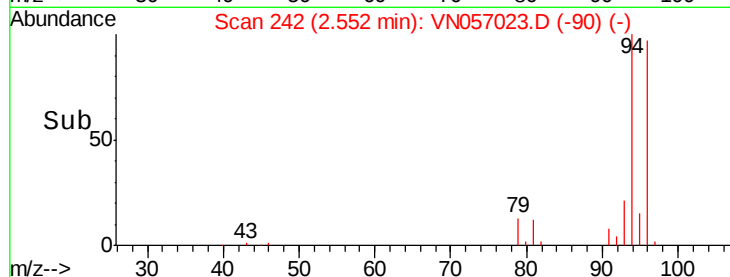
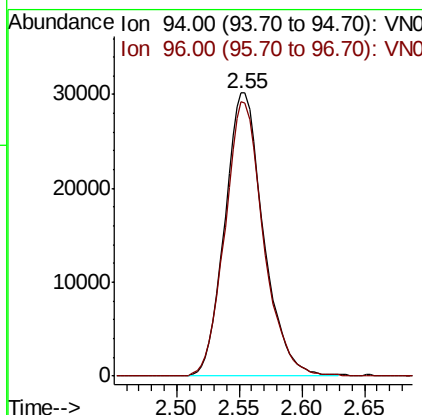
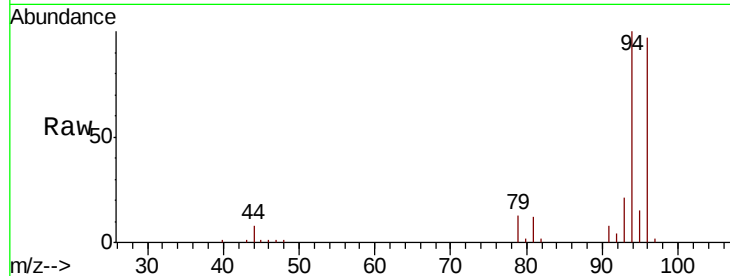




#5
Bromomethane
Concen: 18.565 ug/l
RT: 2.55 min Scan# 242
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

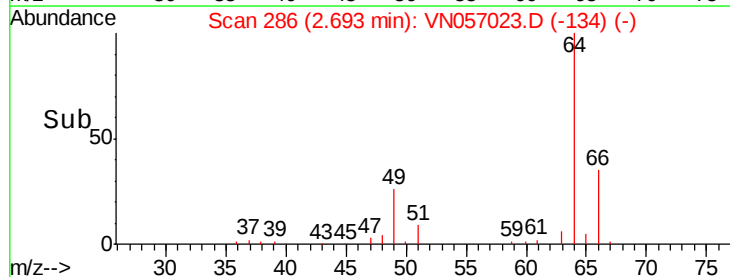
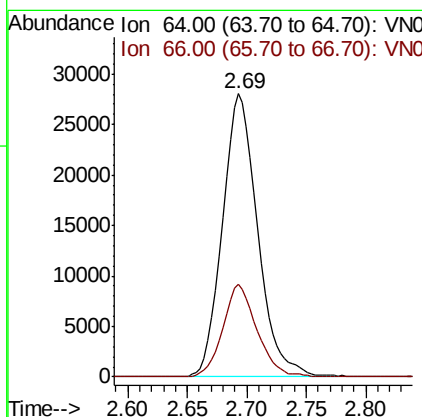
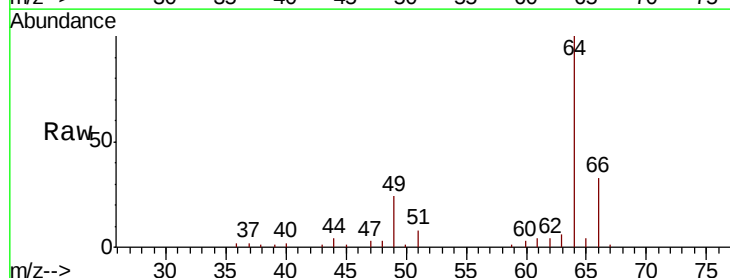
Instrument :
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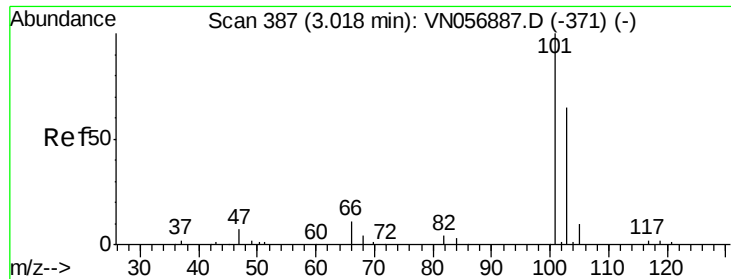
Tot Ion: 94 Resp: 64536
Ion Ratio Lower Upper
94 100
96 97.0 74.7 112.1



#6
Chloroethane
Concen: 18.317 ug/l
RT: 2.69 min Scan# 286
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion: 64 Resp: 57524
Ion Ratio Lower Upper
64 100
66 32.6 25.8 38.8



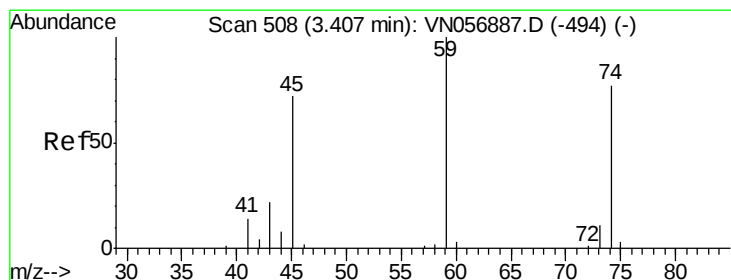
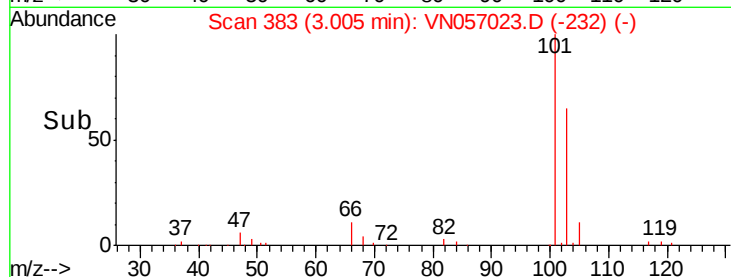
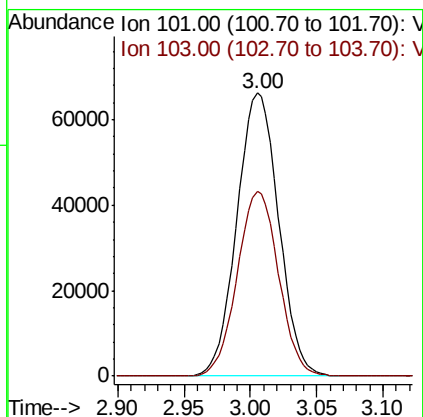
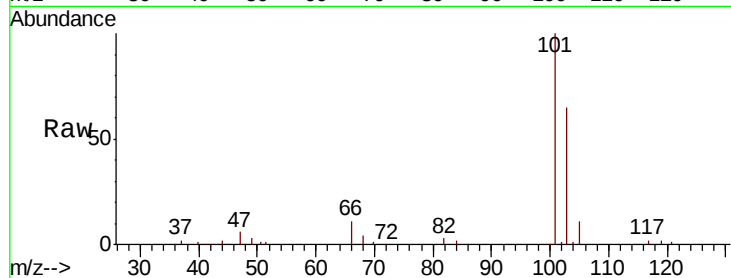


#7

Trichlorofluoromethane
 Concen: 21.055 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Instrument :
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 ClientSampleId :
 VSTDCCC020

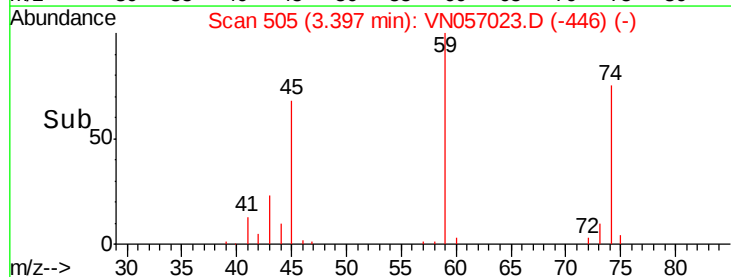
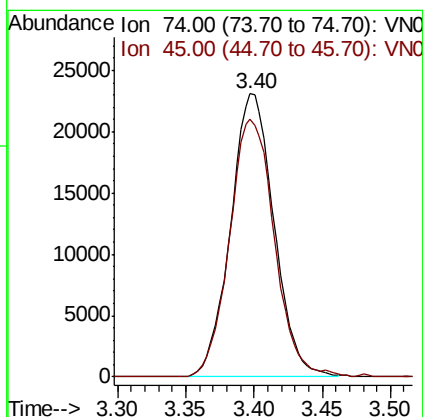
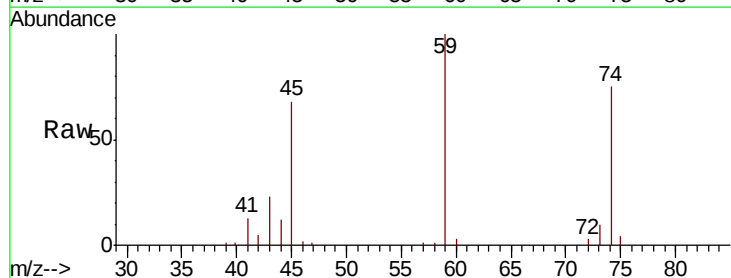
Tot Ion:101 Resp: 145165
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.2 78.4

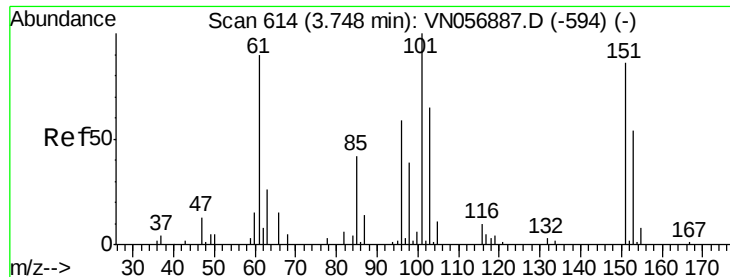


#8

Diethyl Ether
 Concen: 19.907 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. -0.01 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Tgt Ion: 74 Resp: 51143
 Ion Ratio Lower Upper
 74 100
 45 93.3 19.5 175.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.621 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

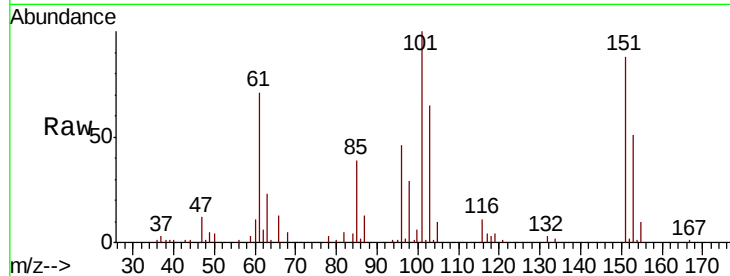
Tot Ion:101 Resp: 89290

Ion Ratio Lower Upper

101 100

85 22.6 0.0 85.0

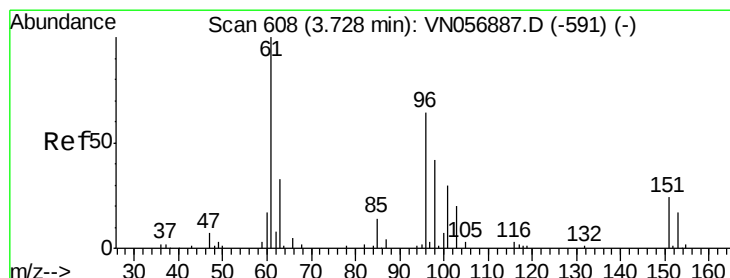
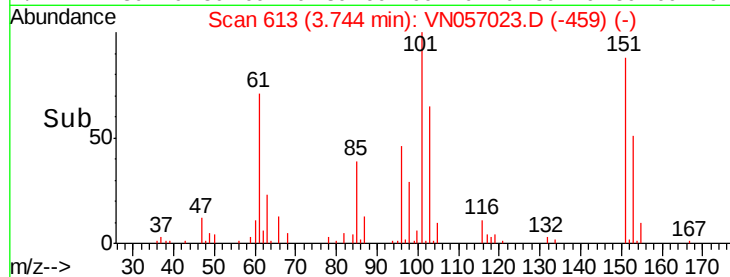
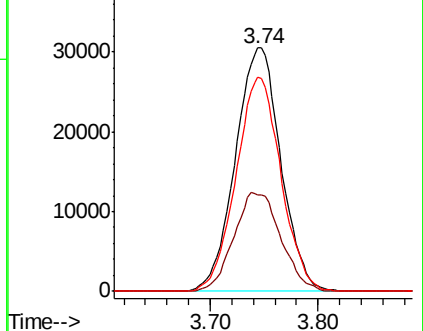
151 86.9 0.0 167.2



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: 19.404 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

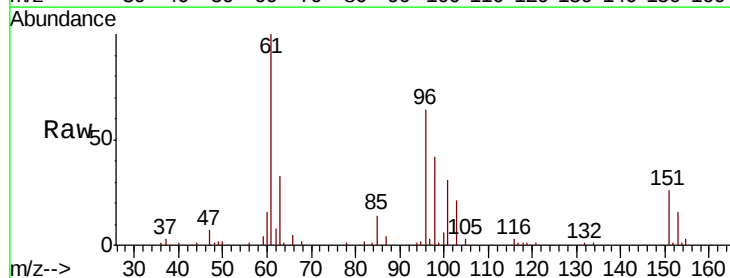
Tgt Ion: 96 Resp: 83377

Ion Ratio Lower Upper

96 100

61 155.2 125.8 188.8

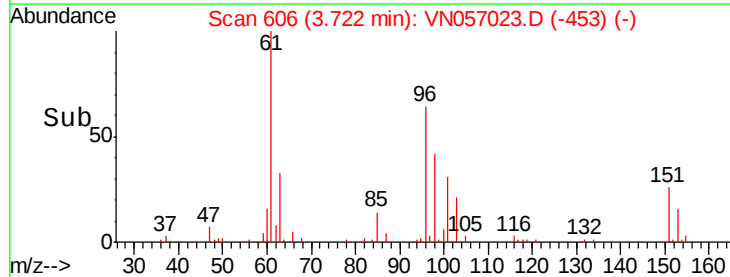
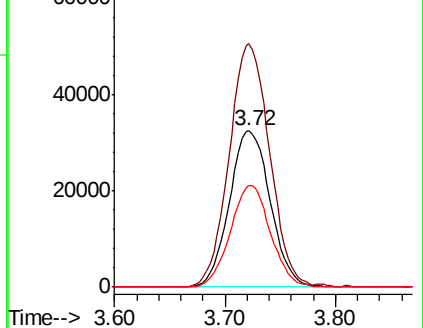
98 64.8 52.7 79.1

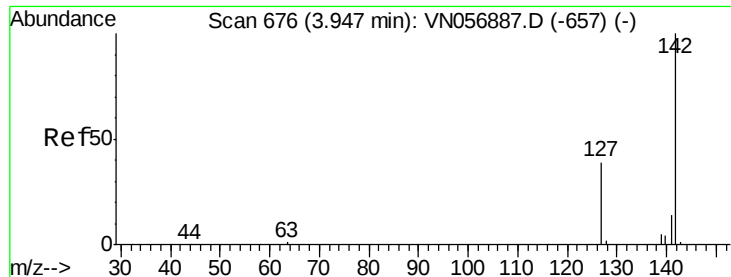


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

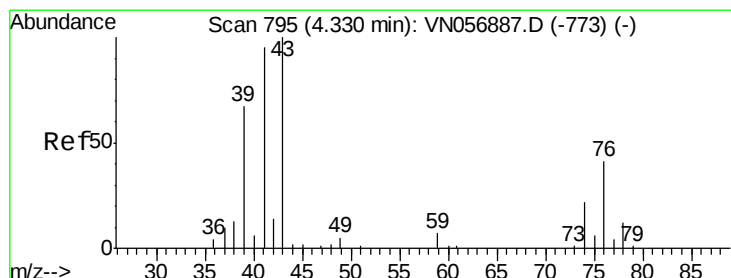
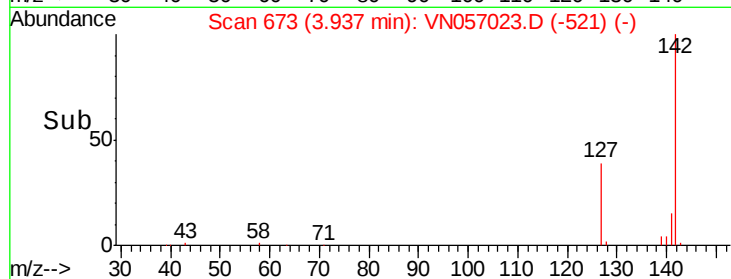
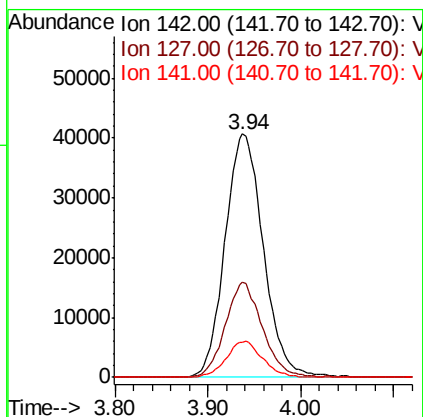
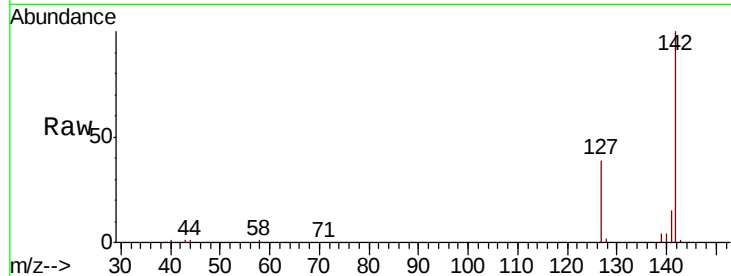




#11
Methvl Iodide
Concen: 18.330 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

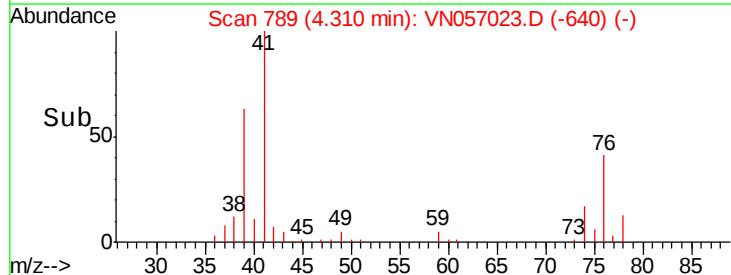
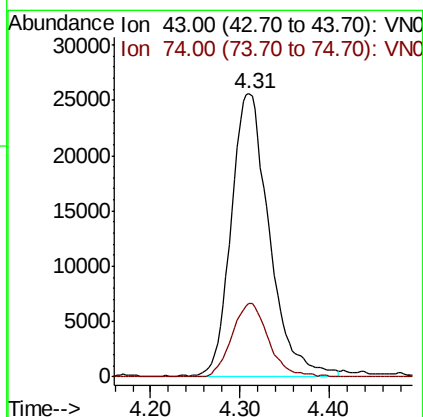
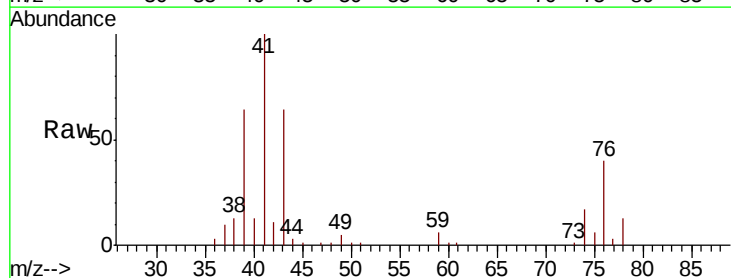
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

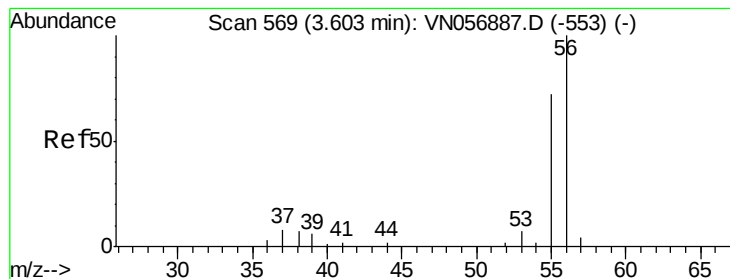
Tot Ion:142 Resp: 116526
Ion Ratio Lower Upper
142 100
127 39.4 19.6 58.8
141 14.6 7.2 21.6



#12
Methyl Acetate
Concen: 14.498 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.02 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion: 43 Resp: 76240
Ion Ratio Lower Upper
43 100
74 26.2 18.1 27.1





#13

Acrolein

Concen: 109.438 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

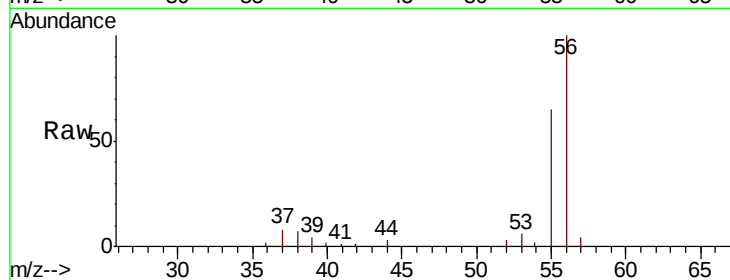
VSTDCCC020

Tot Ion: 56 Resp: 65133

Ion Ratio Lower Upper

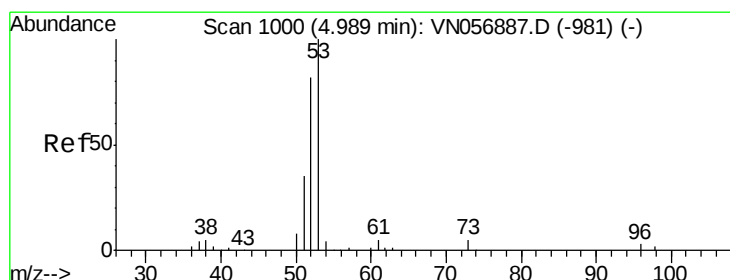
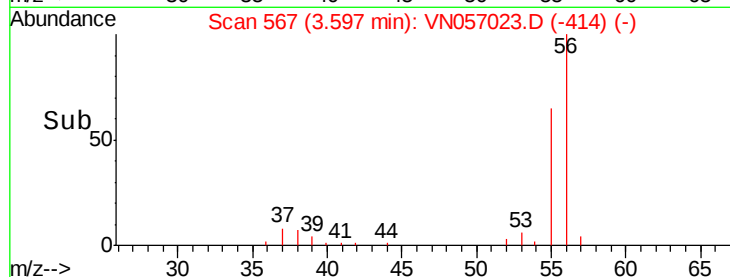
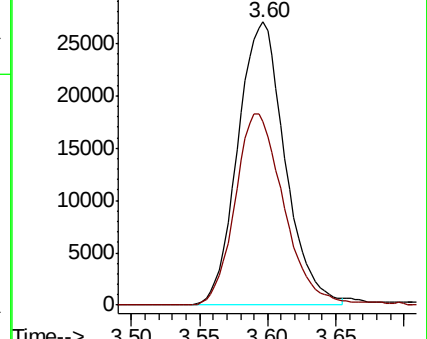
56 100

55 69.3 58.5 87.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 88.172 ug/l

RT: 4.97 min Scan# 993

Delta R.T. -0.02 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

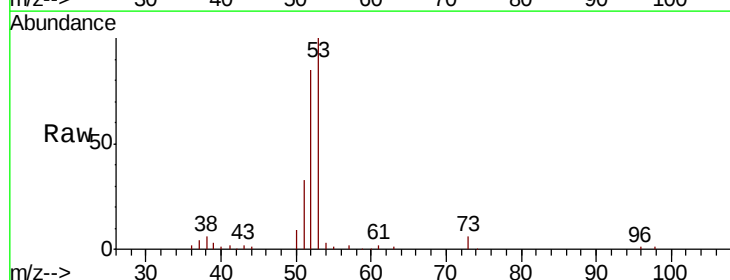
Tgt Ion: 53 Resp: 178821

Ion Ratio Lower Upper

53 100

52 83.5 40.8 122.5

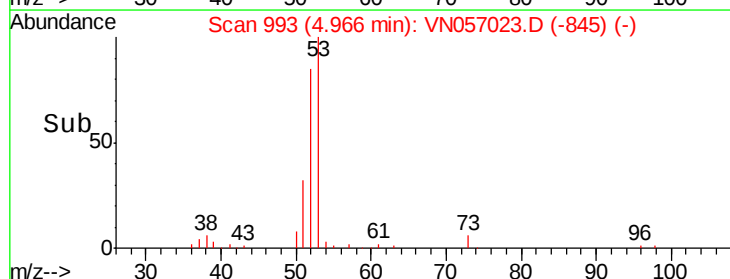
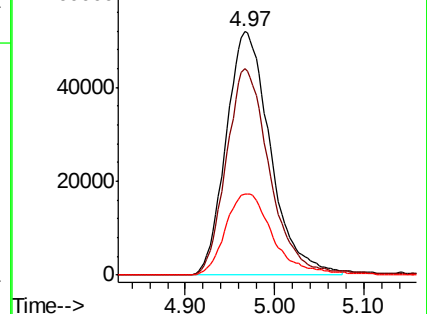
51 35.4 17.4 52.2

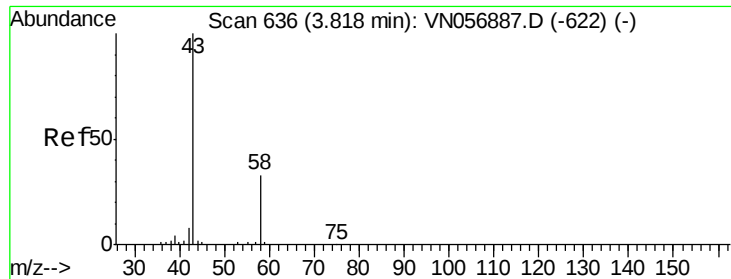


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 142.829 ug/l

RT: 3.80 min Scan# 631

Delta R.T. -0.02 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

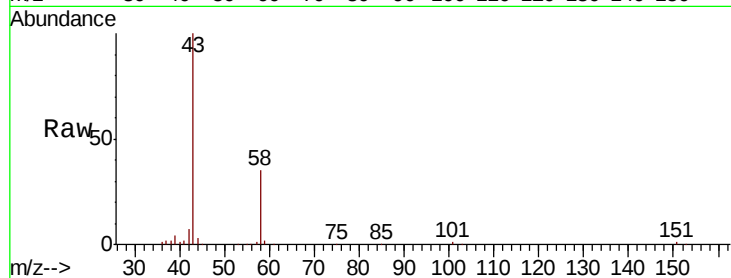
VSTDCCC020

Tot Ion: 58 Resp: 74889

Ion Ratio Lower Upper

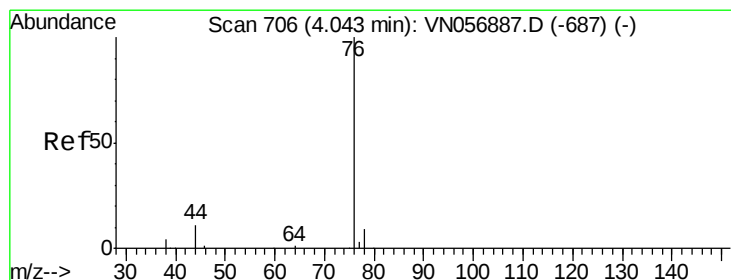
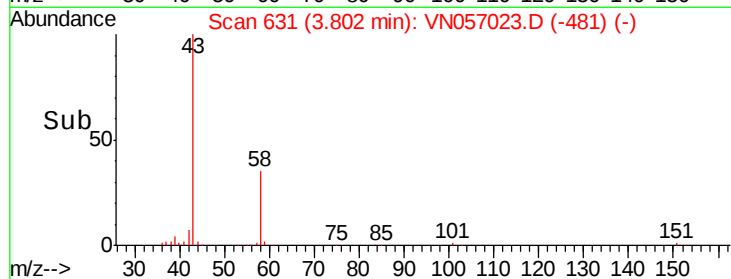
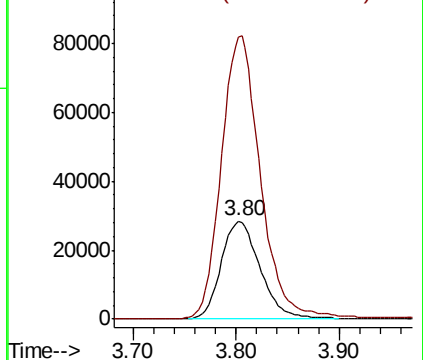
58 100

43 286.5 242.4 363.6



Abundance Ion 58.00 (57.70 to 58.70): VN056887.D (-622) (-)

Ion 43.00 (42.70 to 43.70): VN056887.D (-622) (-)



#16

Carbon Disulfide

Concen: 19.359 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN057023.D

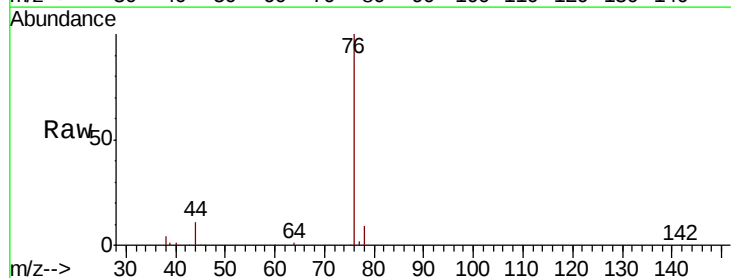
Acq: 1 Aug 2019 9:03

Tgt Ion: 76 Resp: 224300

Ion Ratio Lower Upper

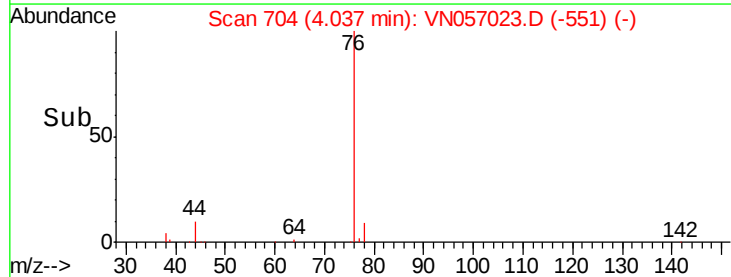
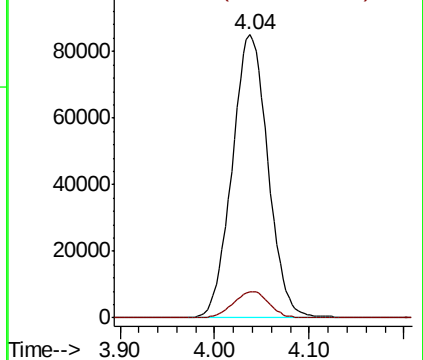
76 100

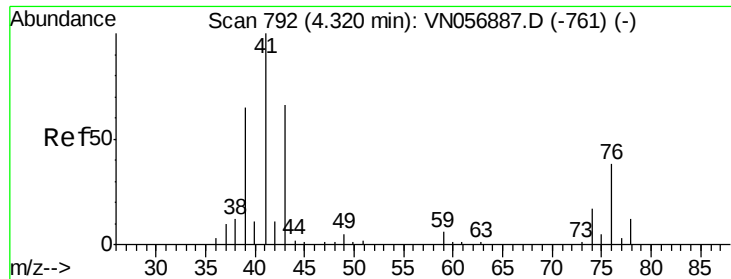
78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VN056887.D (-687) (-)

Ion 78.00 (77.70 to 78.70): VN056887.D (-687) (-)

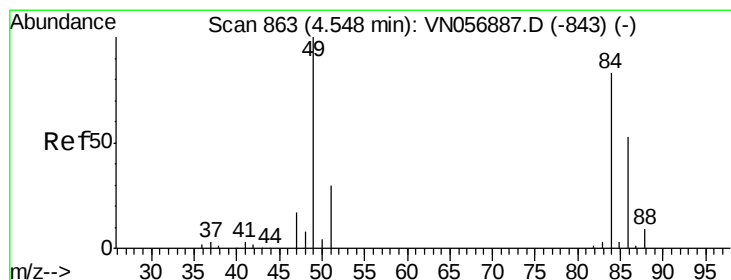
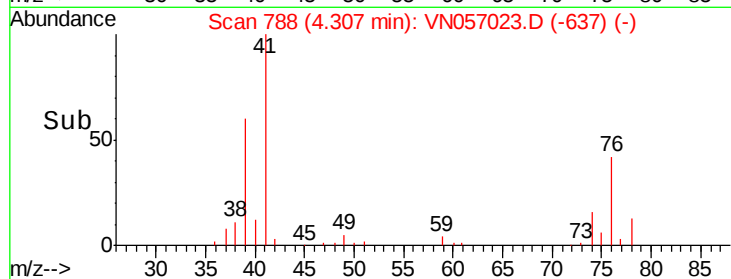
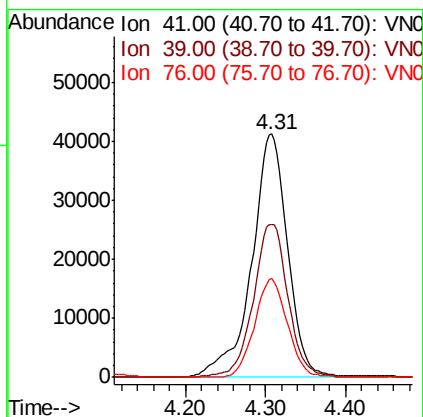
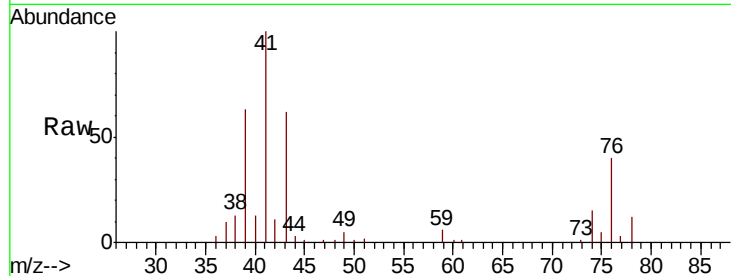




#17
Allvl chloride
Concen: 17.703 ug/l
RT: 4.31 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

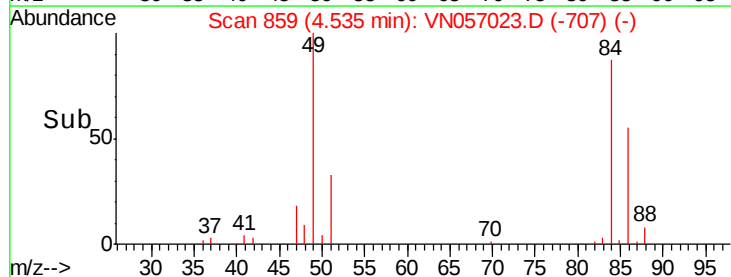
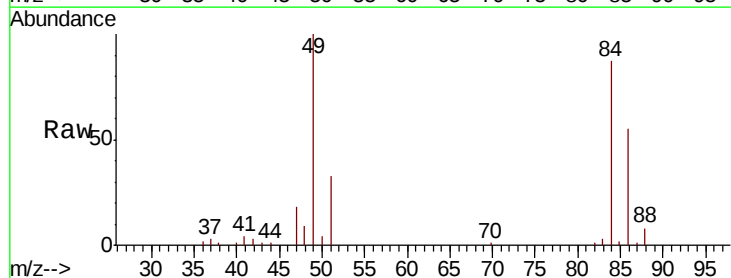
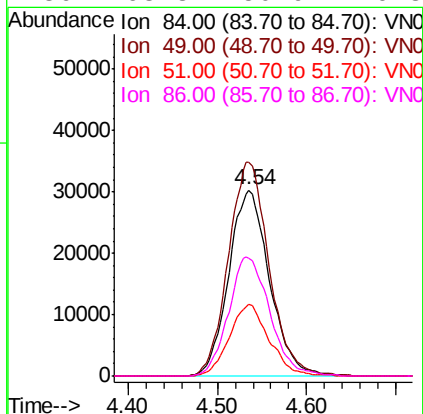
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

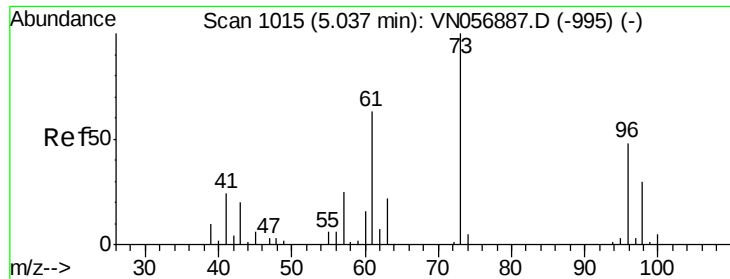
Tot Ion: 41 Resp: 127294
Ion Ratio Lower Upper
41 100
39 62.9 32.4 97.0
76 40.4 19.0 57.0



#18
Methylene Chloride
Concen: 19.196 ug/l
RT: 4.54 min Scan# 859
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion: 84 Resp: 96003
Ion Ratio Lower Upper
84 100
49 114.8 96.3 144.5
51 38.3 28.8 43.2
86 63.3 50.9 76.3





#19

trans-1,2-Dichloroethene

Concen: 19.604 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. -0.02 min

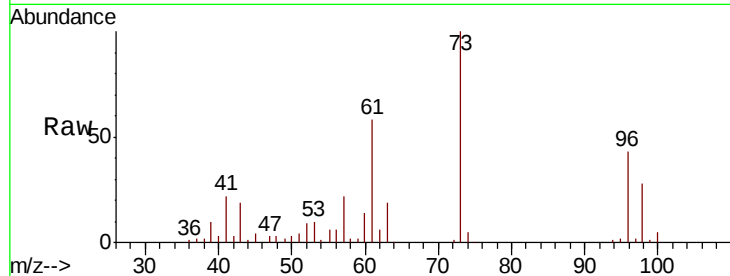
Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 96 Resp: 89148

Ion	Ratio	Lower	Upper
96	100		
61	133.4	105.4	158.0
98	65.3	50.8	76.2

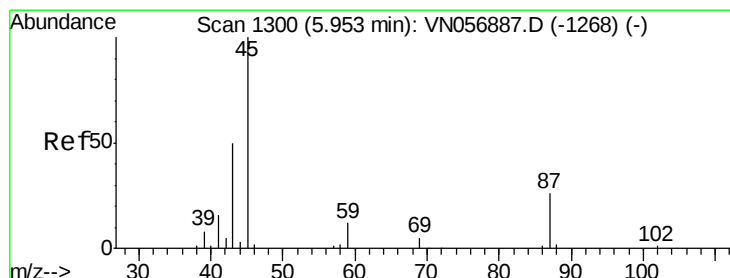
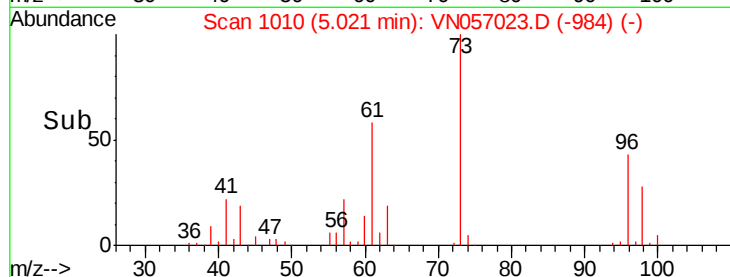
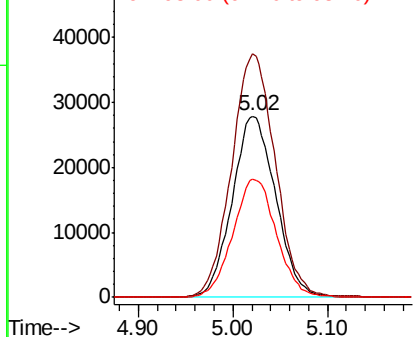


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 18.478 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. -0.02 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Tgt Ion: 45 Resp: 269763

Ion	Ratio	Lower	Upper
45	100		
43	59.3	47.4	71.0
87	28.2	21.7	32.5
59	11.1	9.3	13.9

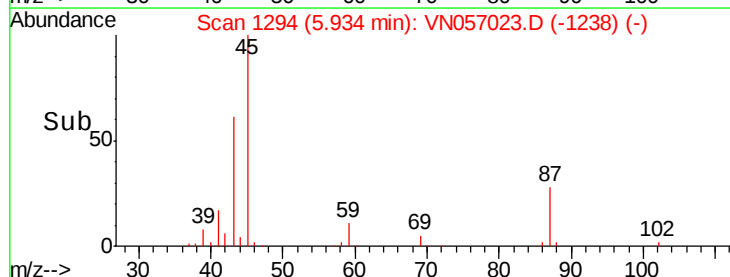
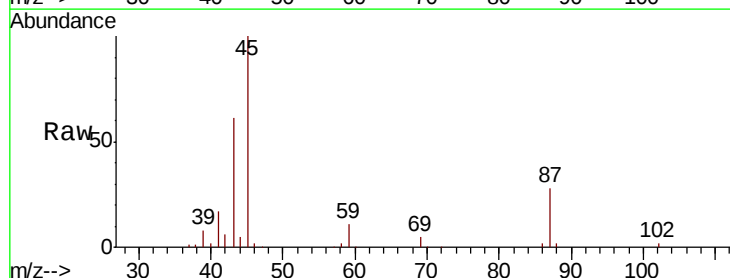
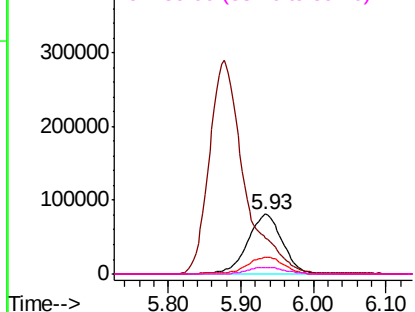
Abundance

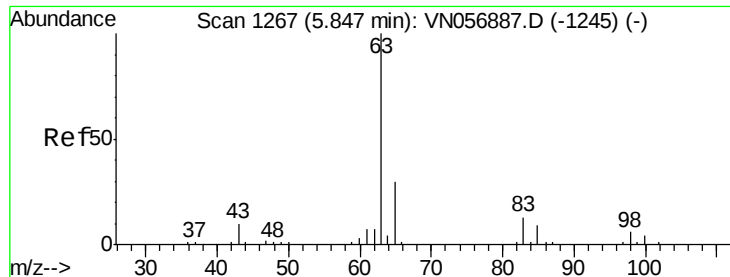
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

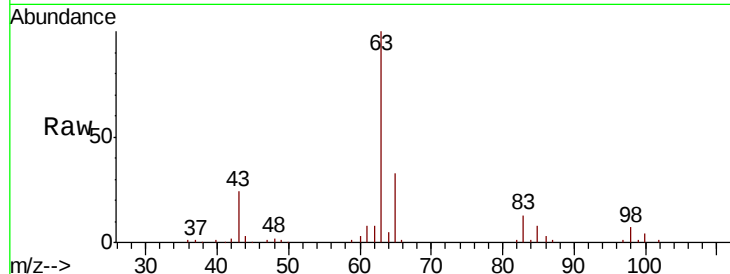




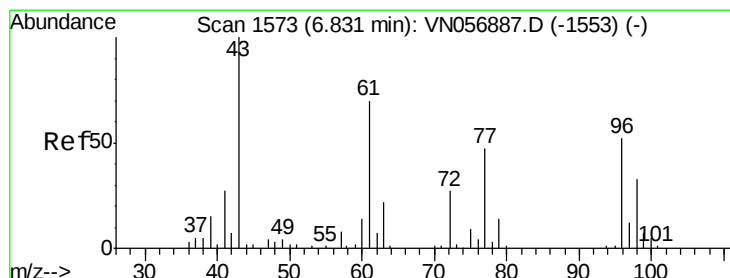
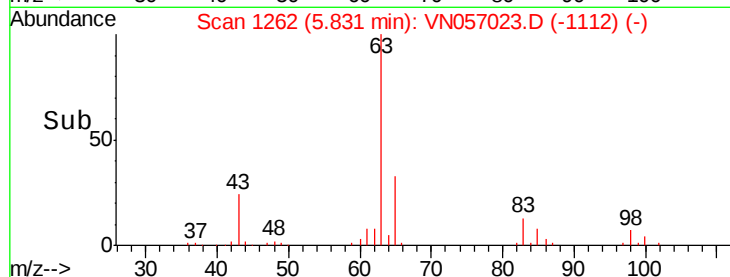
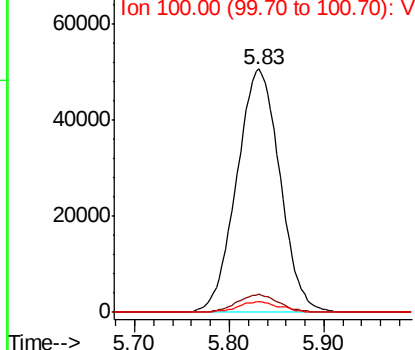
#21
 1,1-Dichloroethane
 Concen: 18.962 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 160880
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.1 9.3
 100 4.3 1.8 5.5

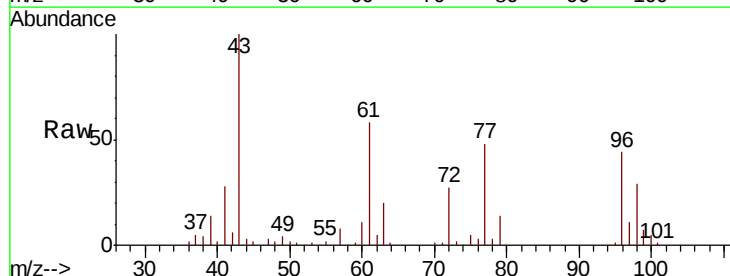


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

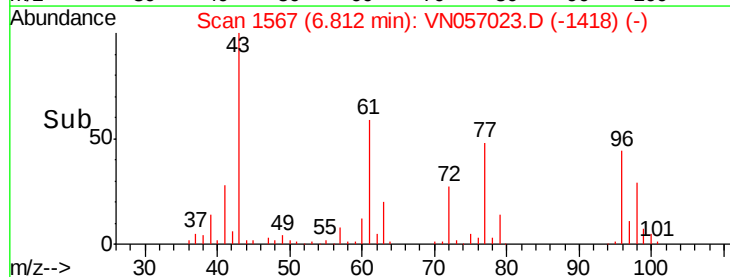
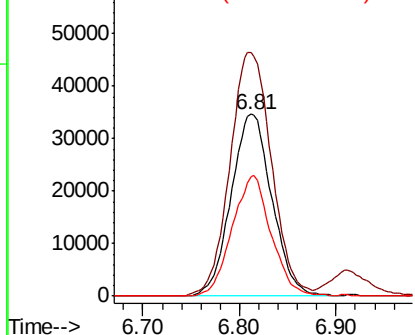


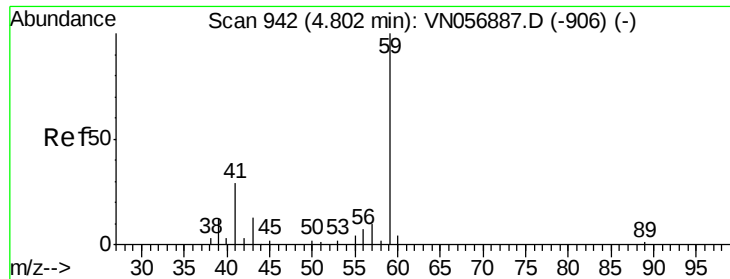
#22
 cis-1,2-Dichloroethene
 Concen: 19.301 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Tgt Ion: 96 Resp: 101728
 Ion Ratio Lower Upper
 96 100
 61 136.4 111.6 167.4
 98 63.2 51.0 76.4



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

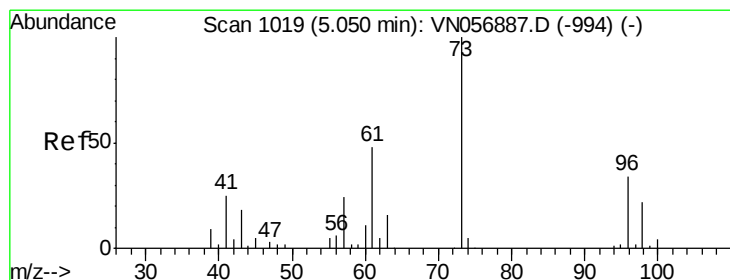
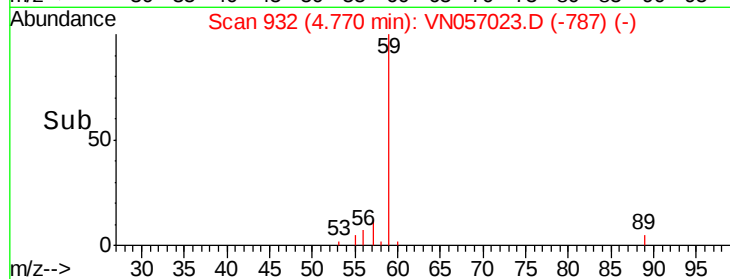
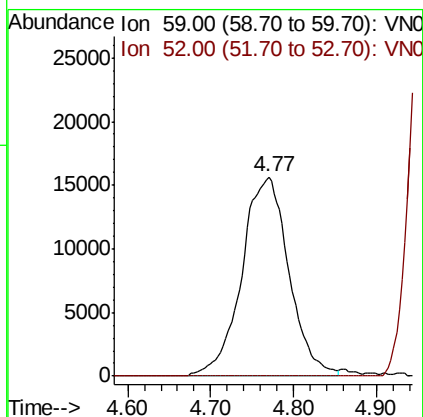
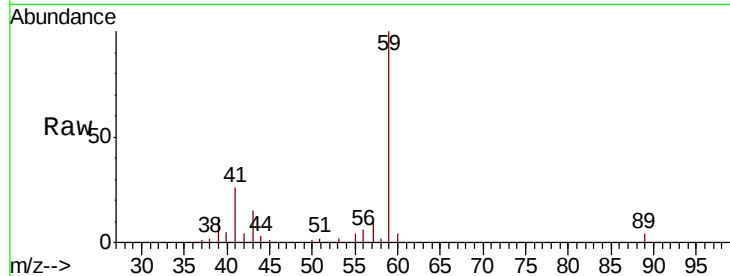




#23
tert-Butyl Alcohol
Concen: 91.304 ug/l
RT: 4.77 min Scan# 932
Delta R.T. -0.03 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

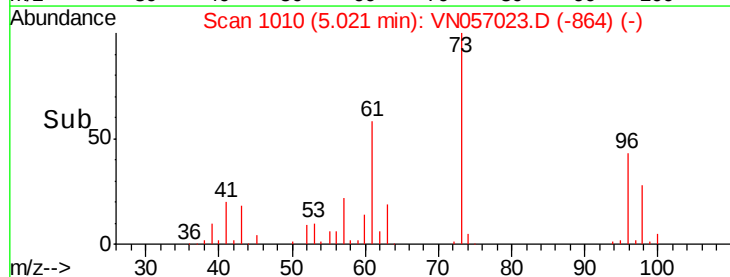
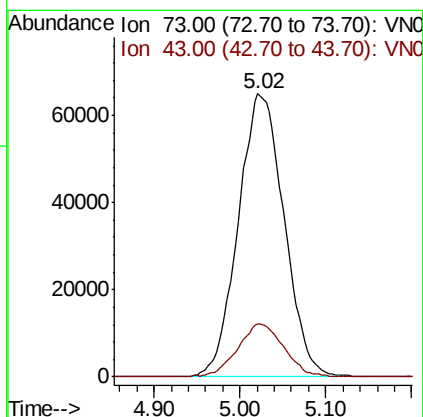
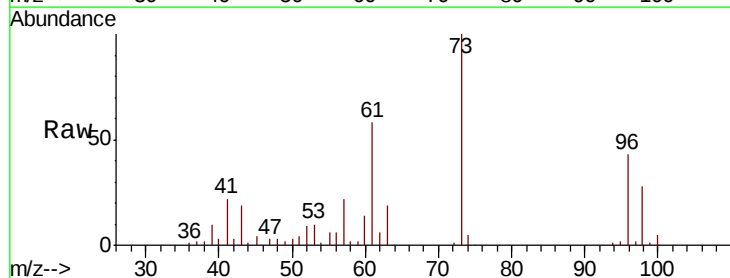
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

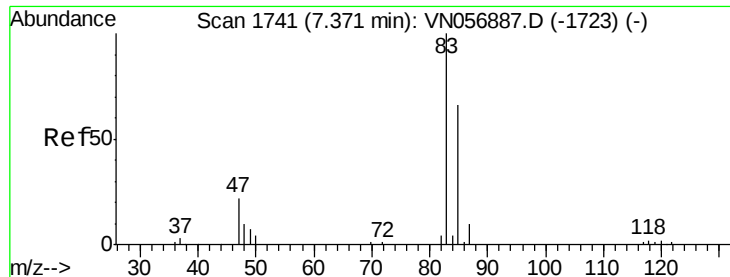
Tot Ion: 59 Resp: 61795
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#24
Methyl tert-Butyl Ether
Concen: 18.483 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. -0.03 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion: 73 Resp: 240111
Ion Ratio Lower Upper
73 100
43 18.9 15.4 23.0

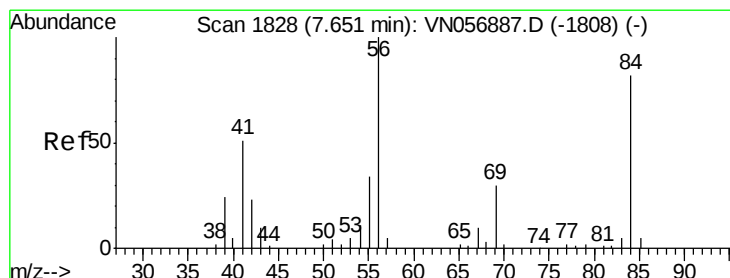
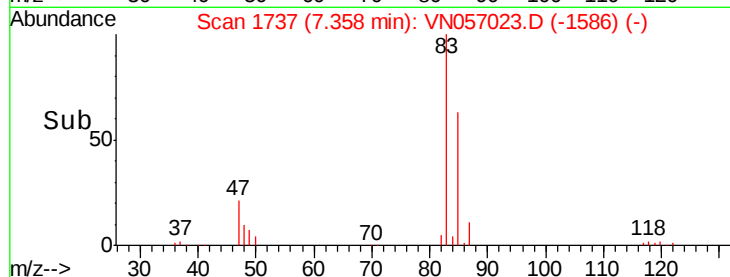
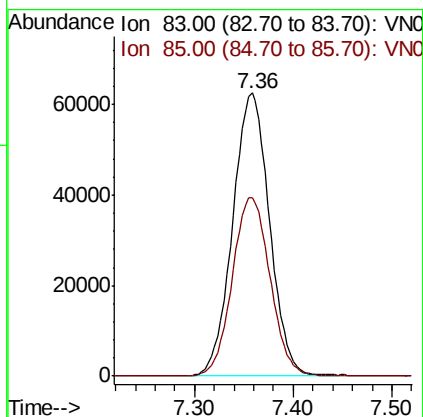
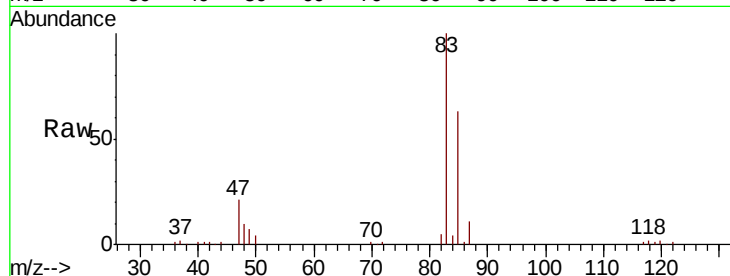




#25
Chloroform
Concen: 19.599 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

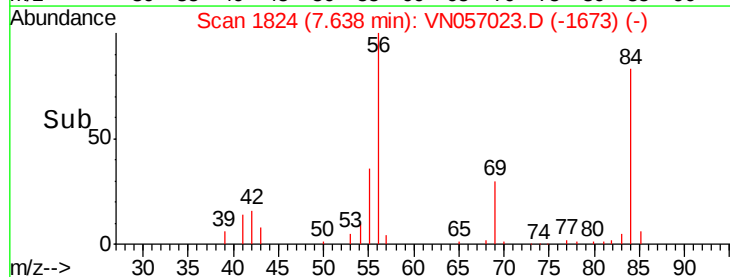
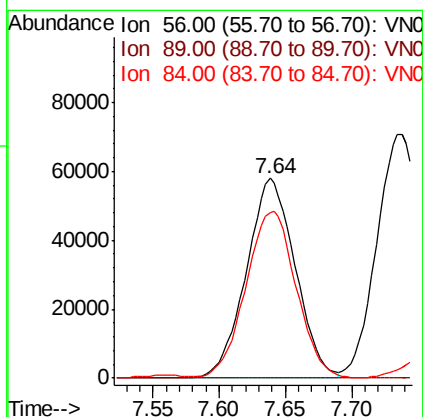
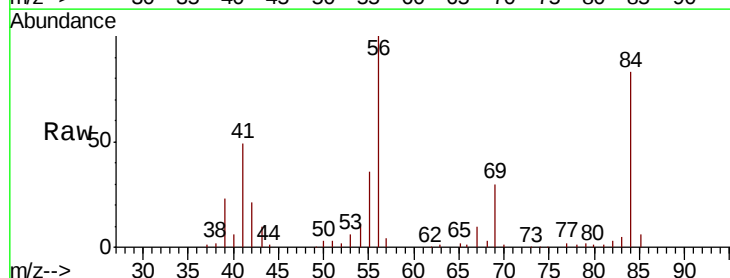
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

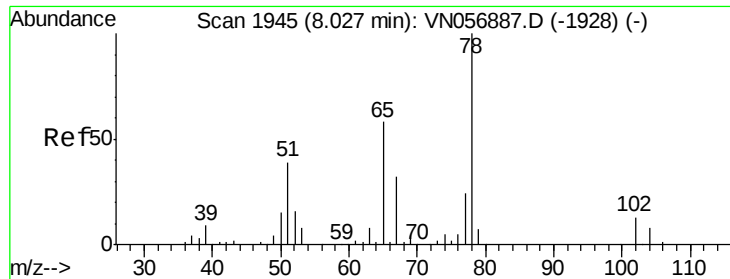
Tot Ion: 83 Resp: 162216
Ion Ratio Lower Upper
83 100
85 62.8 53.1 79.7



#26
Cyclohexane
Concen: 19.123 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion: 56 Resp: 149039
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 86.1 67.8 101.6

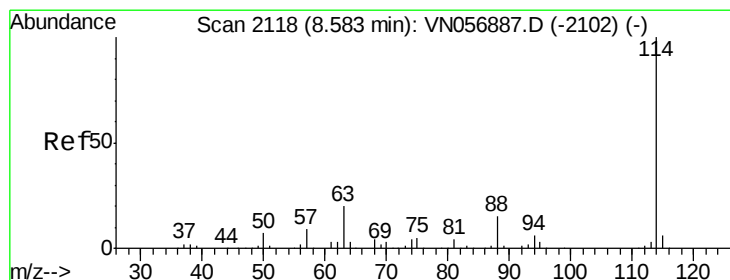
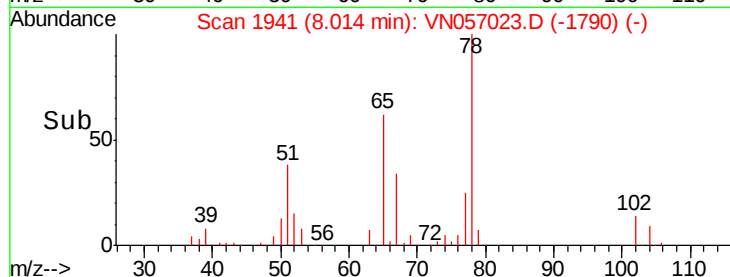
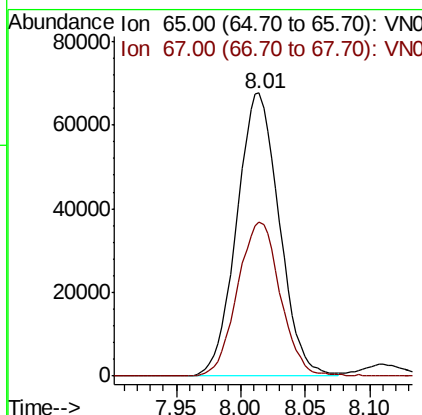
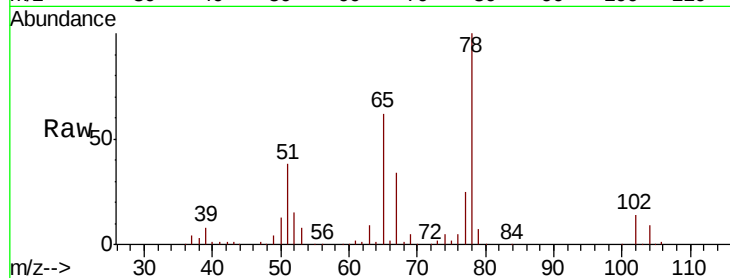




#27
 1,2-Dichloroethane-d4
 Concen: 29.511 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.01 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

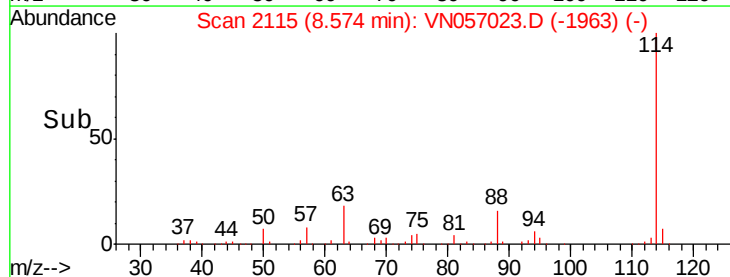
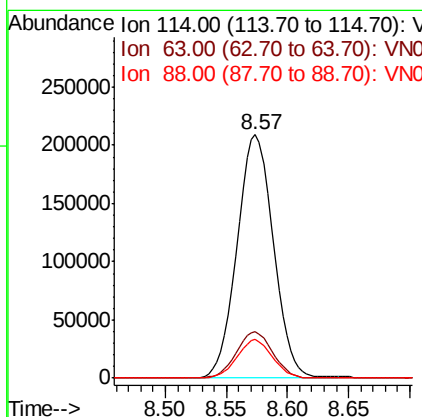
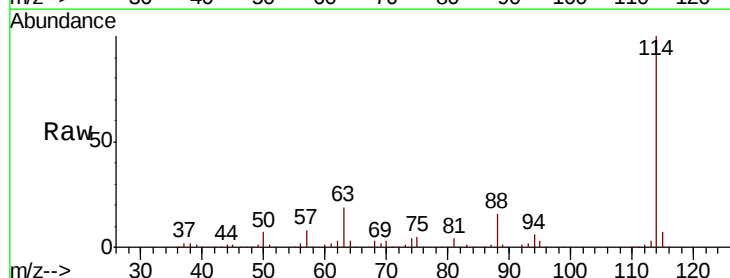
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

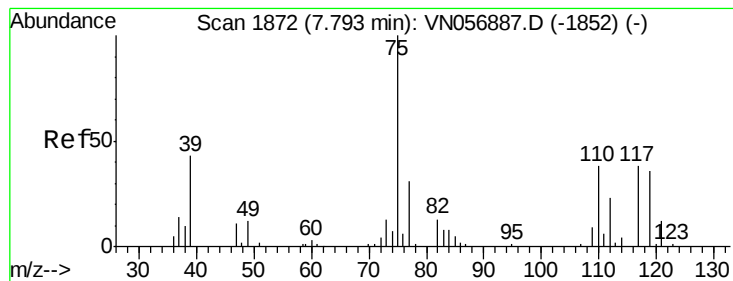
Tot Ion: 65 Resp: 155446
 Ion Ratio Lower Upper
 65 100
 67 54.8 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.01 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Tgt Ion: 114 Resp: 431389
 Ion Ratio Lower Upper
 114 100
 63 19.2 15.8 23.6
 88 15.3 12.5 18.7





#29

1,1-Dichloropropene

Concen: 19.938 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.02 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

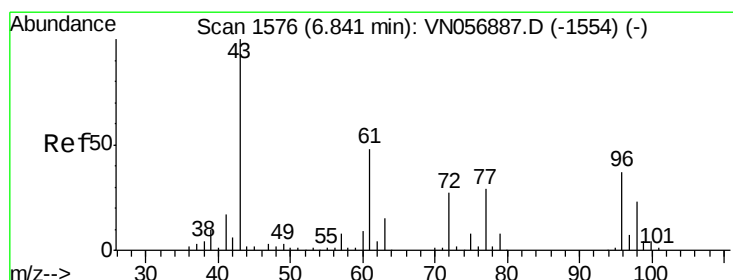
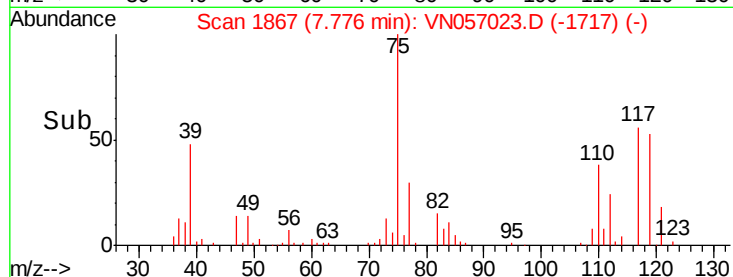
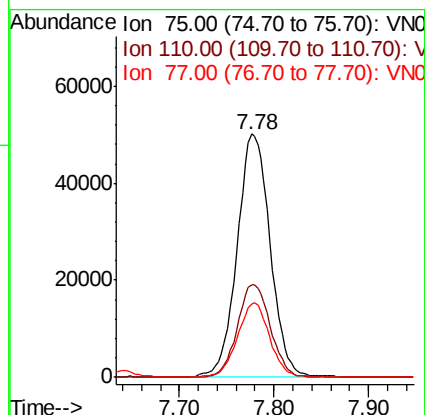
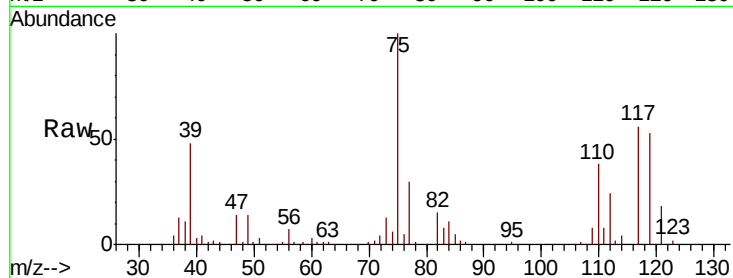
Tot Ion: 75 Resp: 122057

Ion Ratio Lower Upper

75 100

110 38.1 0.0 75.8

77 29.9 0.0 64.0



#30

2-Butanone

Concen: 103.344 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.02 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

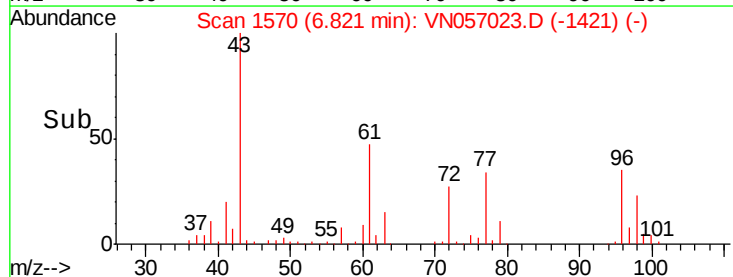
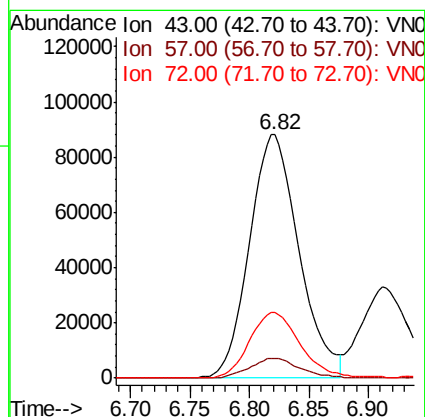
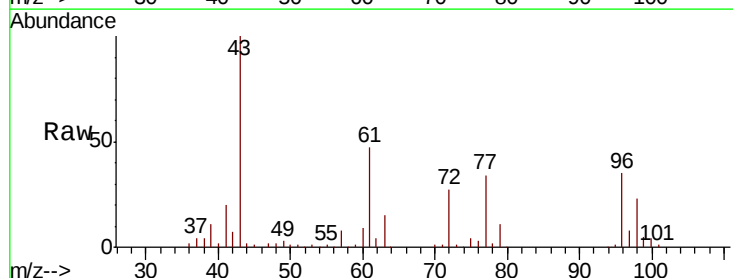
Tgt Ion: 43 Resp: 254175

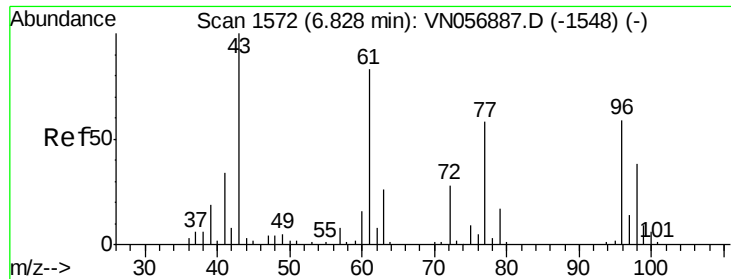
Ion Ratio Lower Upper

43 100

57 8.2 6.5 9.7

72 27.4 22.1 33.1





#31

2,2-Dichloropropane

Concen: 21.130 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.02 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

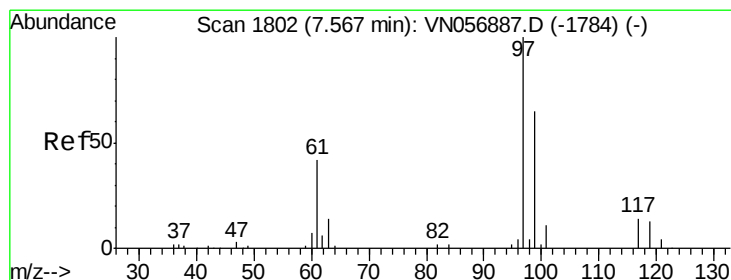
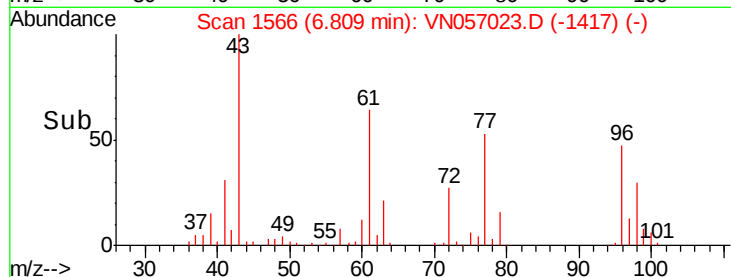
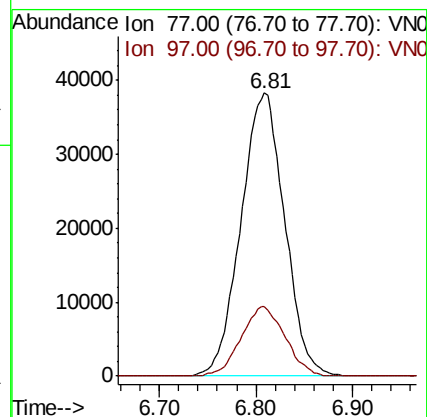
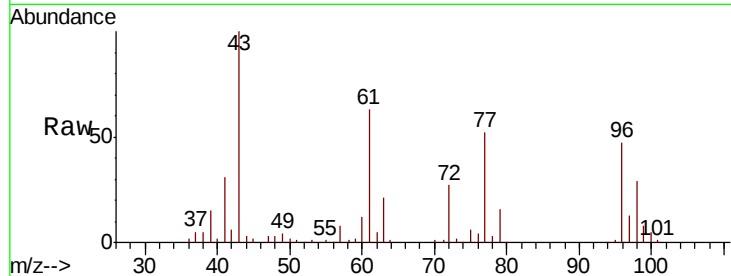
VSTDCCC020

Tot Ion: 77 Resp: 120041

Ion Ratio Lower Upper

77 100

97 24.7 19.3 28.9



#32

1,1,1-Trichloroethane

Concen: 20.271 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

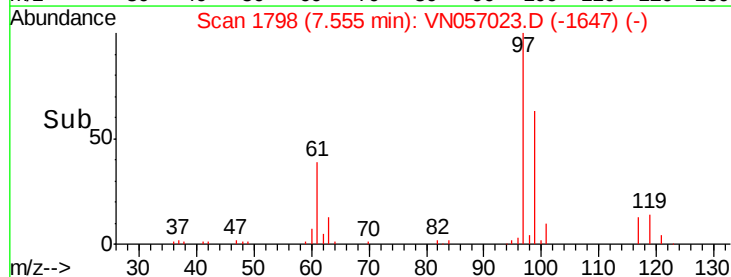
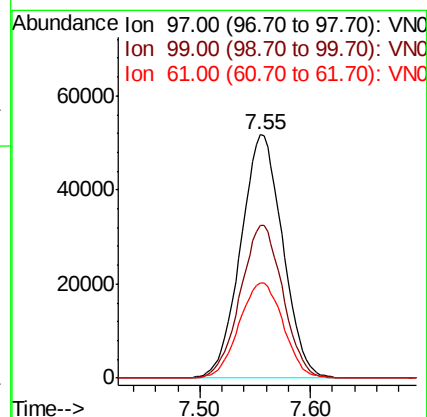
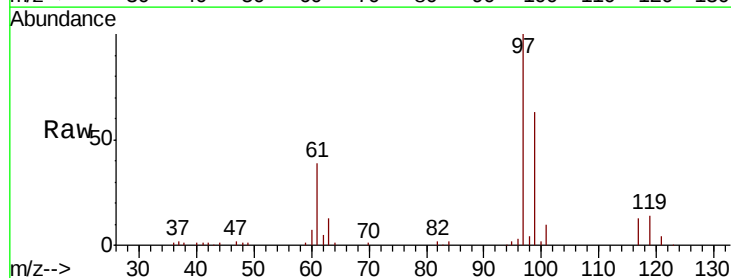
Tgt Ion: 97 Resp: 136350

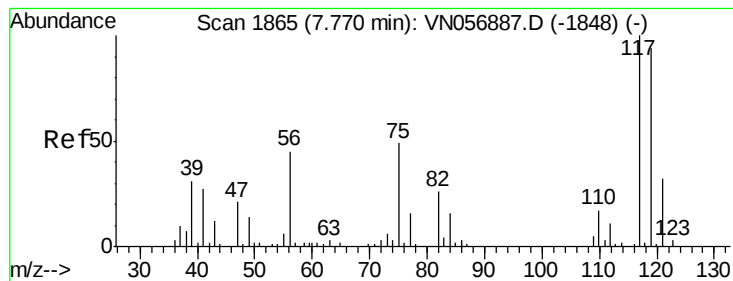
Ion Ratio Lower Upper

97 100

99 63.6 52.3 78.5

61 41.0 34.4 51.6





#33

Carbon Tetrachloride

Concen: 20.014 ug/l

RT: 7.76 min Scan# 1862

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

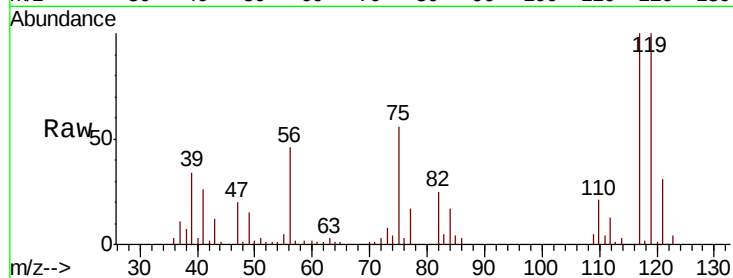
Tot Ion:117 Resp: 117500

Ion Ratio Lower Upper

117 100

119 99.6 75.1 112.7

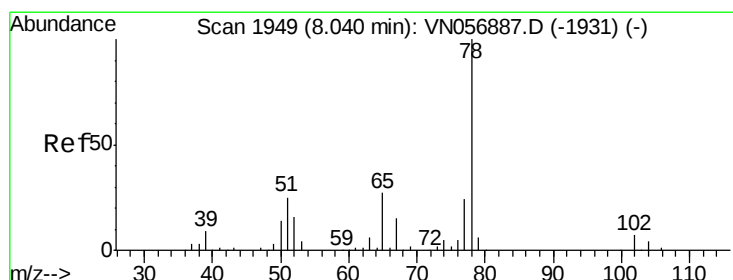
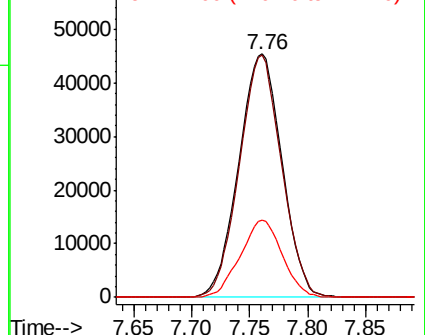
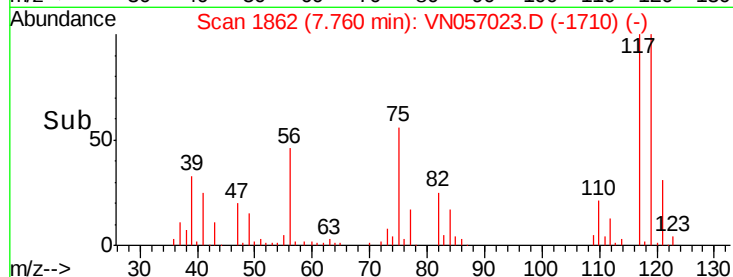
121 31.5 25.8 38.8



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: 19.368 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

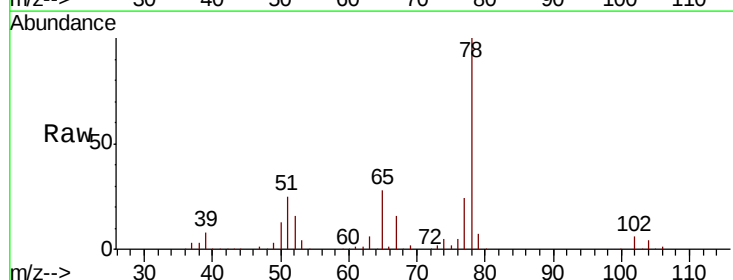
Tgt Ion: 78 Resp: 373596

Ion Ratio Lower Upper

78 100

77 23.5 19.4 29.2

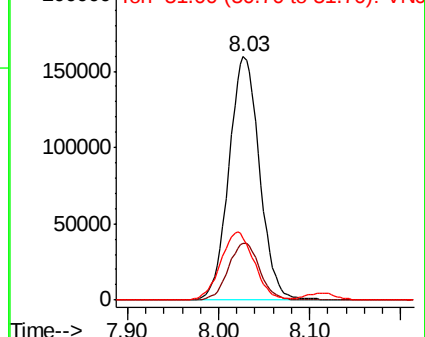
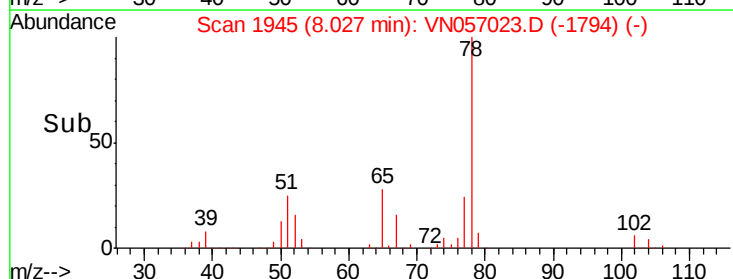
51 25.2 20.4 30.6

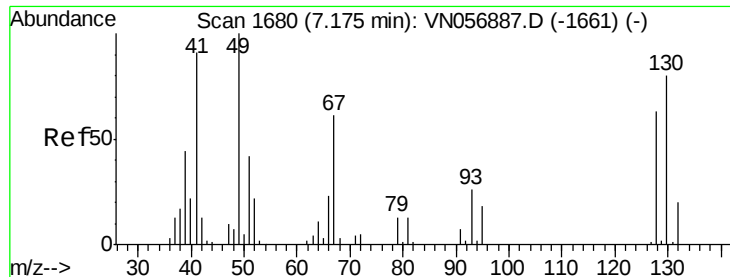


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

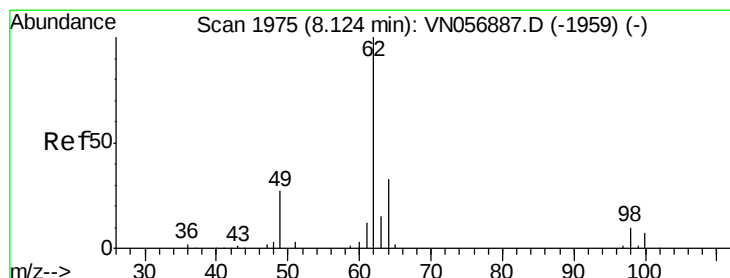
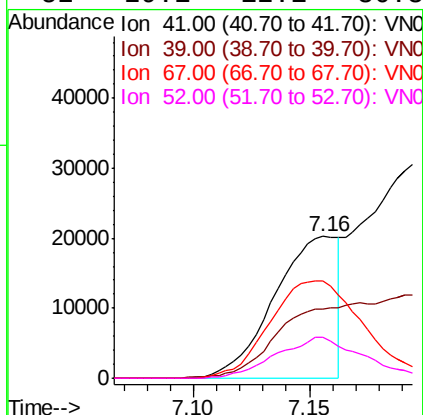
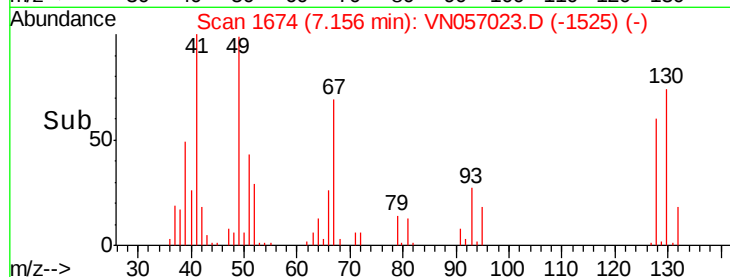
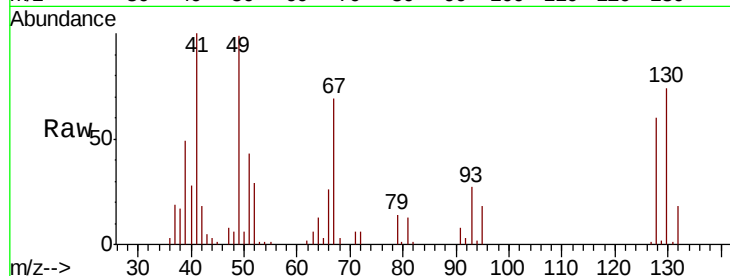




#35
Methacrylonitrile
Concen: 15.785 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.02 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

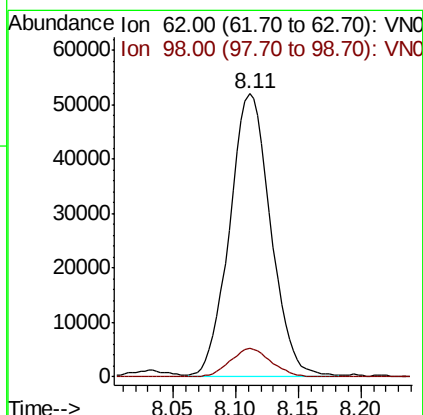
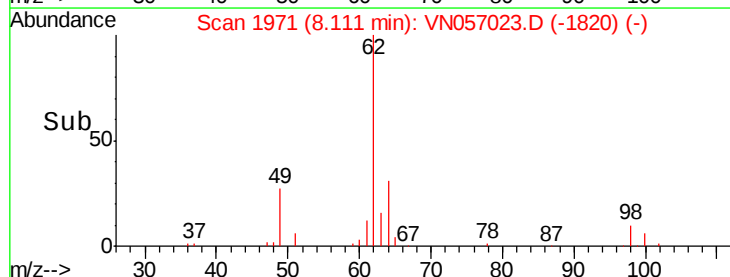
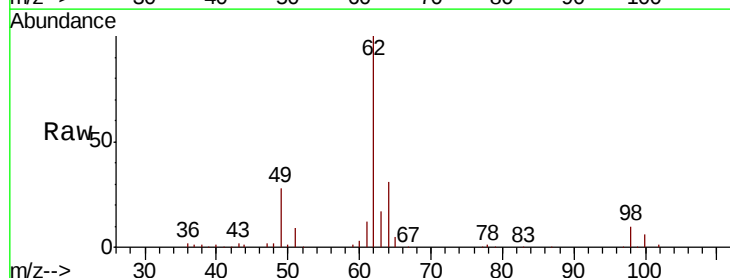
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

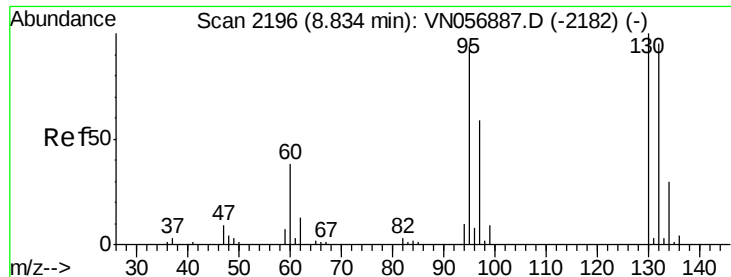
Tot Ion:	41	Resp:	38772
Ion	Ratio	Lower	Upper
41	100		
39	48.0	24.4	73.2
67	68.5	33.4	100.1
52	29.1	12.1	36.3



#36
1,2-Dichloroethane
Concen: 19.737 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion:	62	Resp:	118352
Ion	Ratio	Lower	Upper
62	100		
98	9.9	7.7	11.5

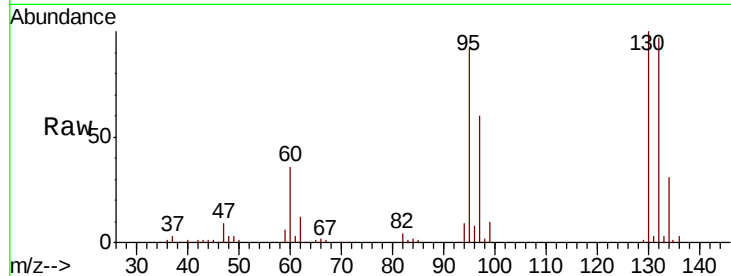




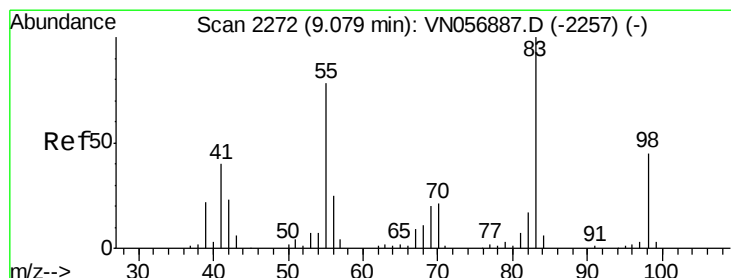
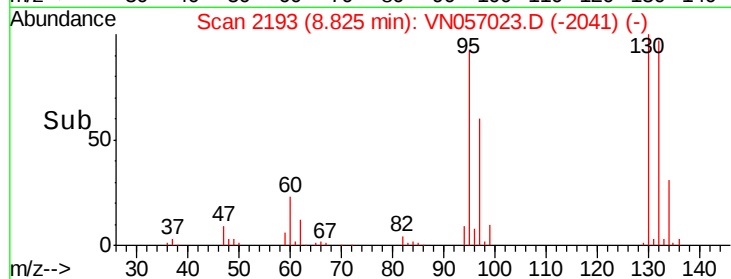
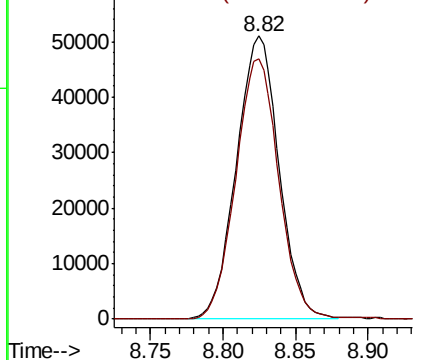
#37
 Trichloroethene
 Concen: 20.193 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 104427
 Ion Ratio Lower Upper
 130 100
 95 92.2 74.9 112.3

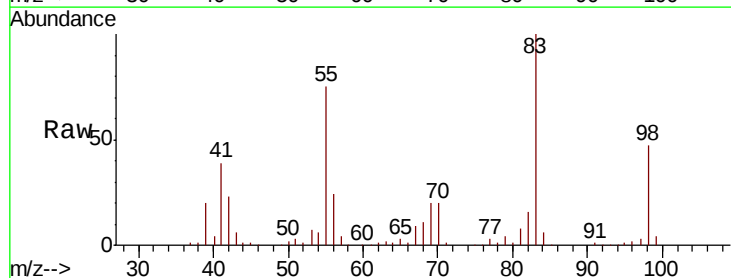


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

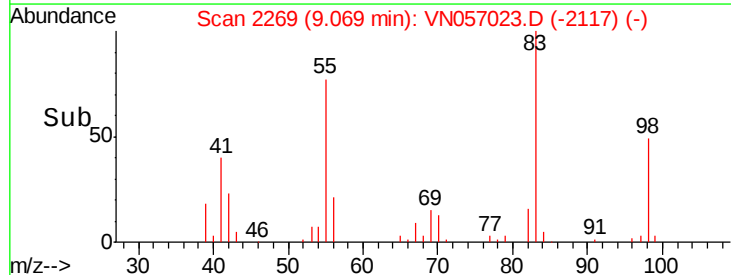
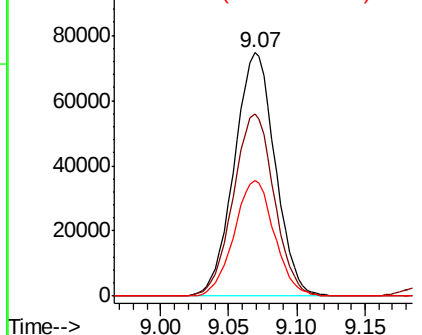


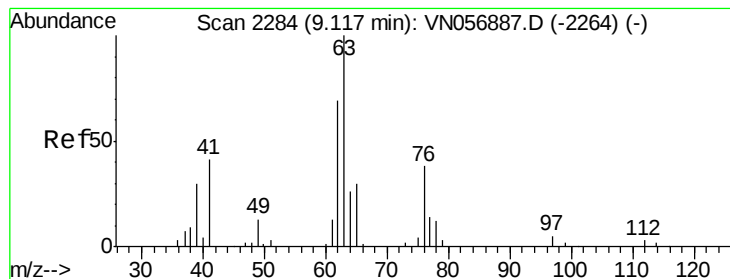
#38
 Methylcyclohexane
 Concen: 19.961 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Tgt Ion: 83 Resp: 155448
 Ion Ratio Lower Upper
 83 100
 55 75.0 38.4 115.1
 98 46.9 22.7 68.0



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: 19.173 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

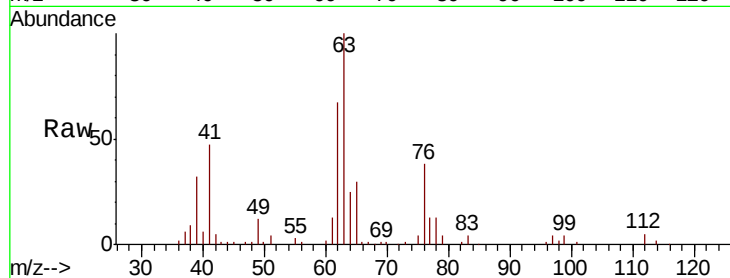
VSTDCCC020

Tot Ion: 63 Resp: 98716

Ion Ratio Lower Upper

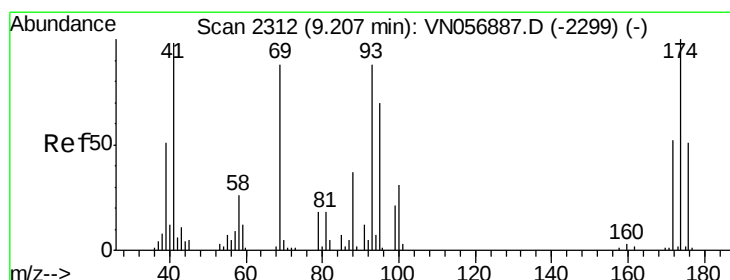
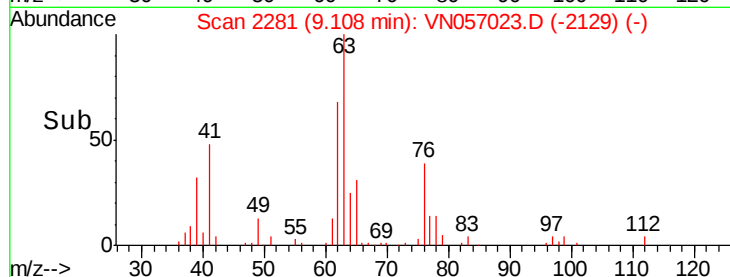
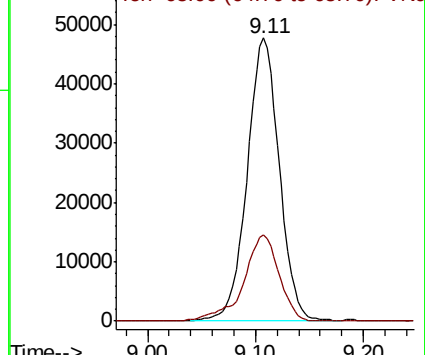
63 100

65 30.3 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.595 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

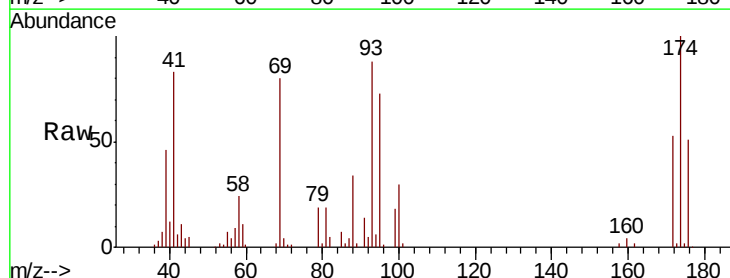
Tgt Ion: 93 Resp: 61891

Ion Ratio Lower Upper

93 100

95 82.8 0.0 165.8

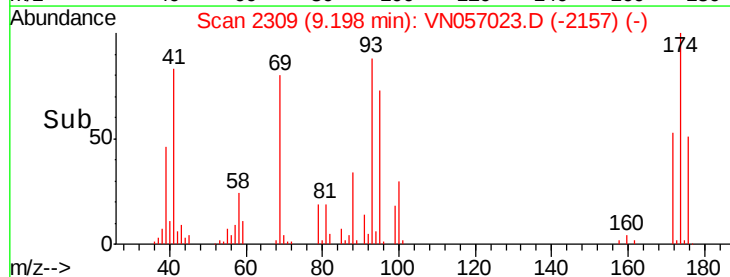
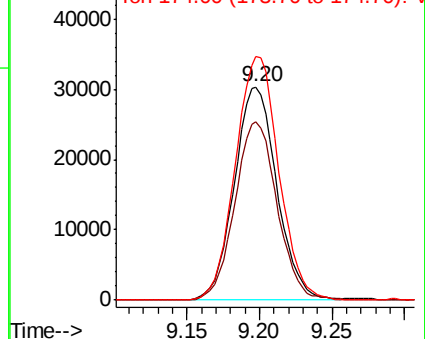
174 116.8 0.0 232.4

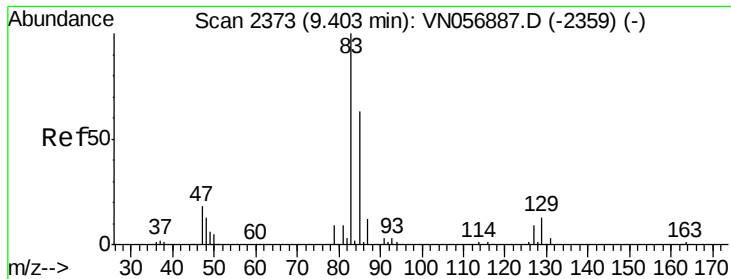


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

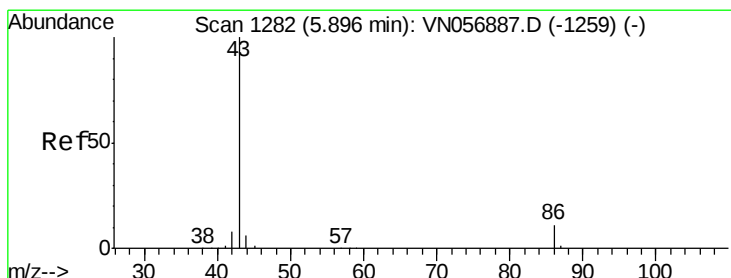
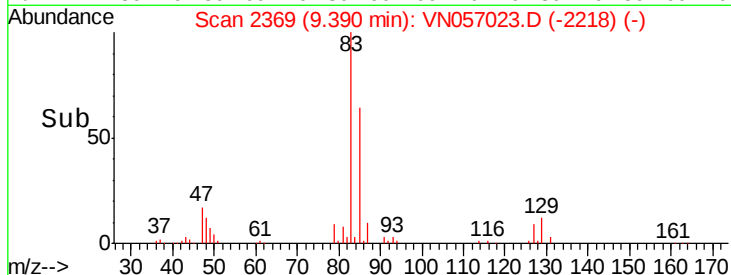
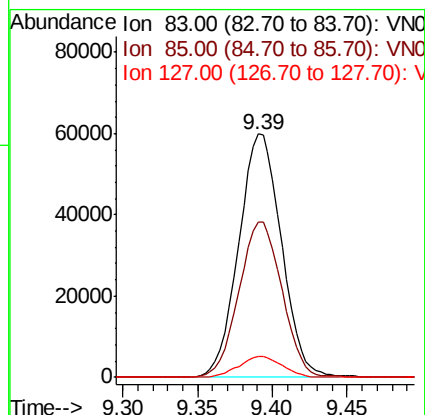
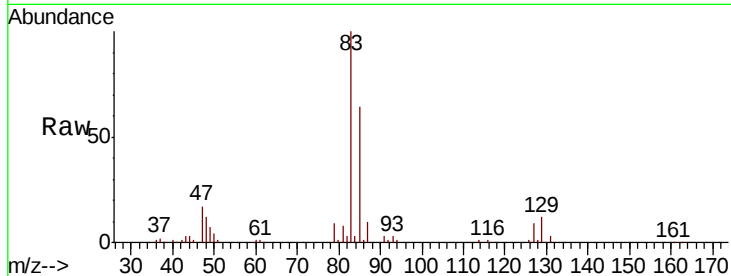




#41
 Bromodichloromethane
 Concen: 19.604 ug/l
 RT: 9.39 min Scan# 2369
 Delta R.T. -0.01 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

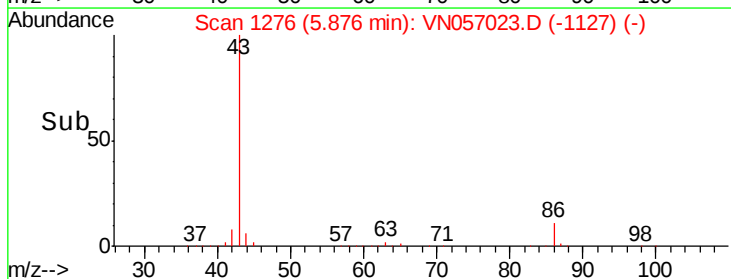
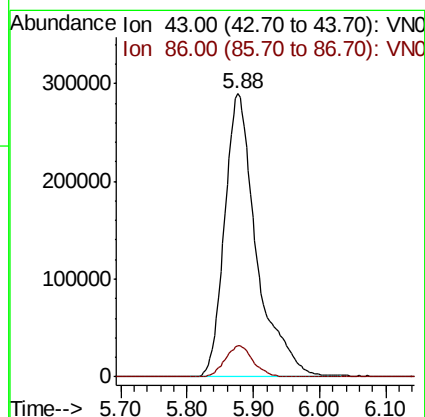
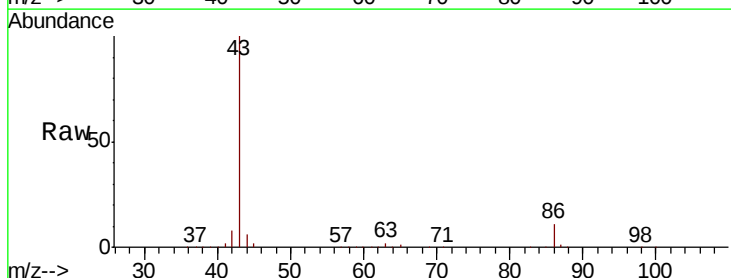
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

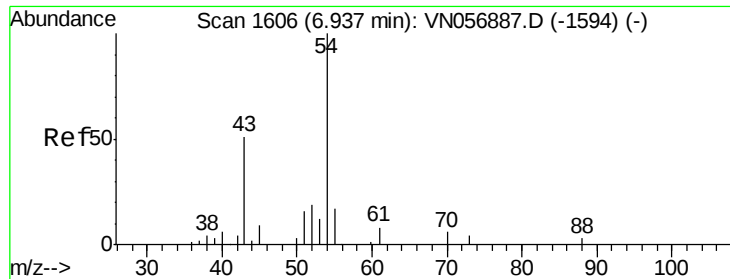
Tot Ion: 83 Resp: 118986
 Ion Ratio Lower Upper
 83 100
 85 63.9 50.6 75.8
 127 8.8 7.2 10.8



#42
 Vinyl Acetate
 Concen: 88.696 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Tgt Ion: 43 Resp: 971494
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.4 11.2

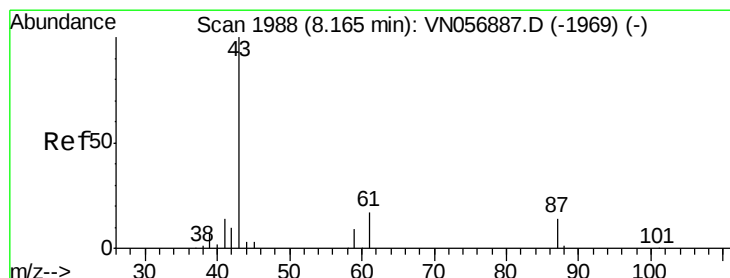
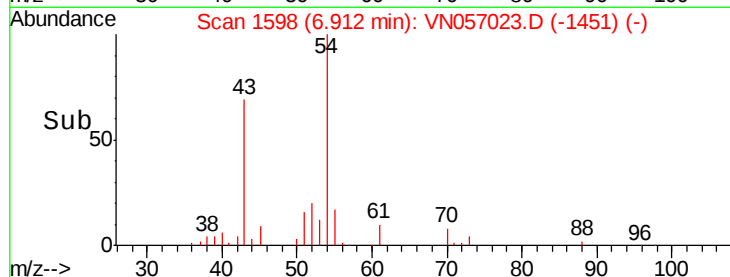
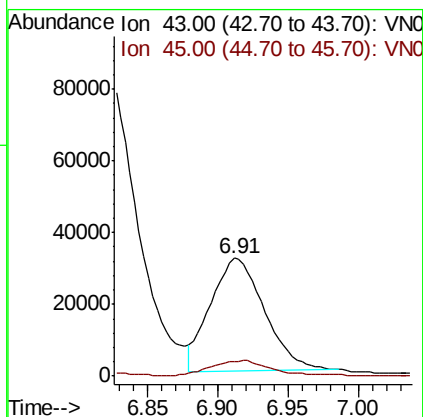
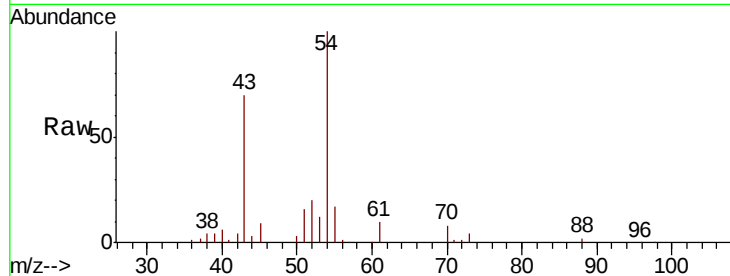




#43
Ethyl Acetate
Concen: 16.807 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. -0.03 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

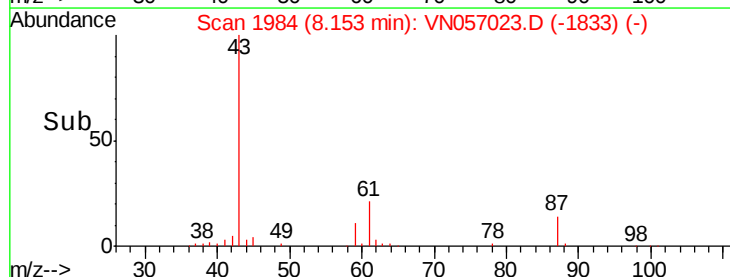
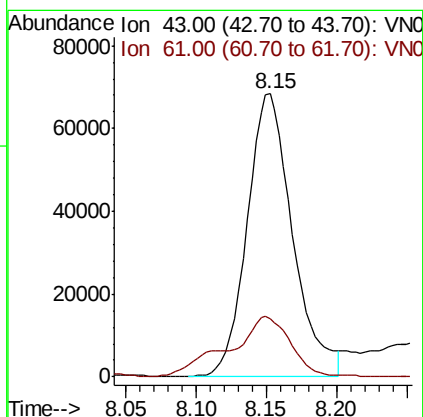
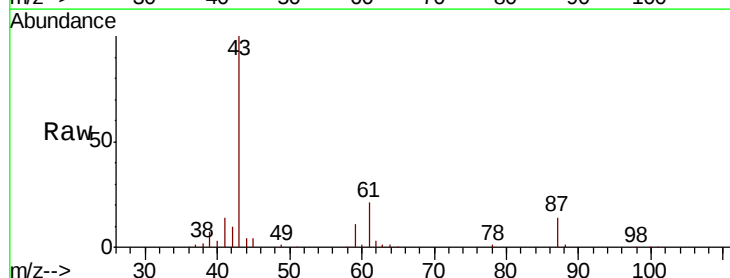
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

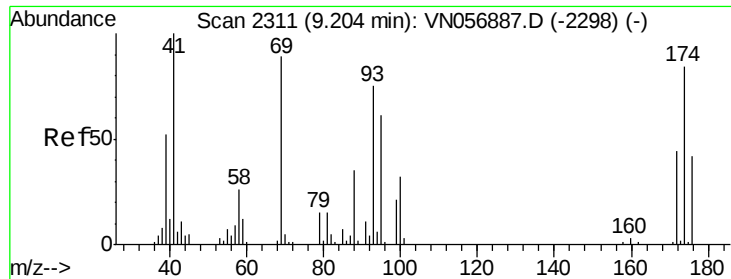
Tot Ion: 43 Resp: 84741
Ion Ratio Lower Upper
43 100
45 14.2 10.2 15.2



#44
Isopropyl Acetate
Concen: 18.213 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion: 43 Resp: 153070
Ion Ratio Lower Upper
43 100
61 19.9 23.0 34.4#

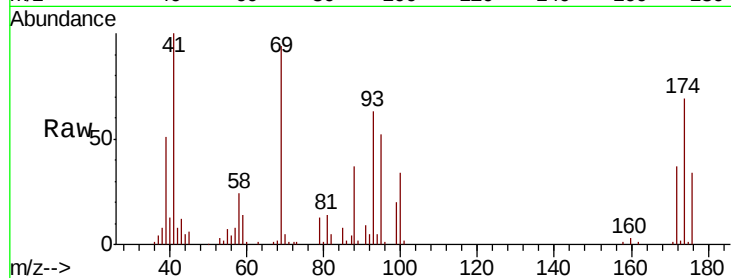




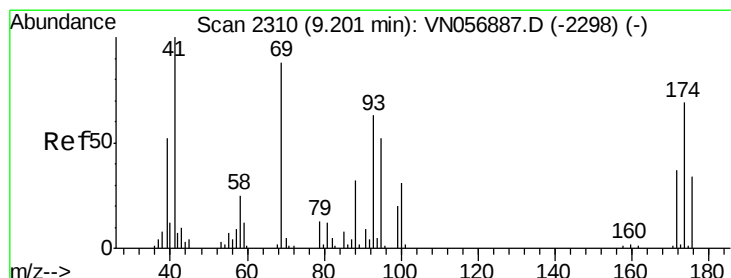
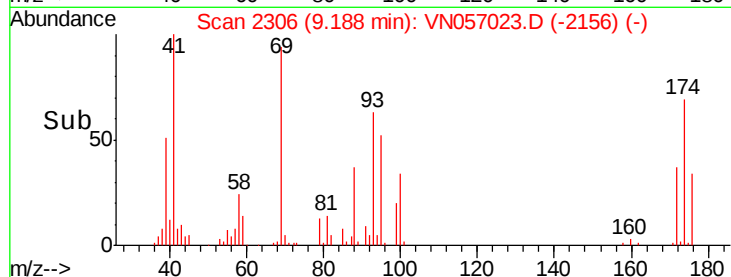
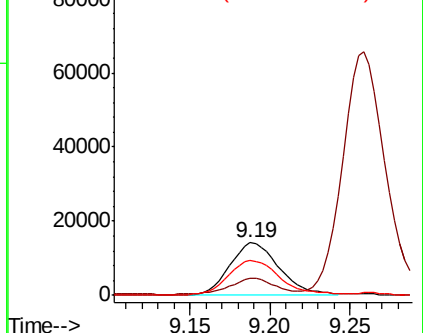
#45
 1,4-Dioxane
 Concen: 377.136 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.02 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 88 Resp: 30175
 Ion Ratio Lower Upper
 88 100
 43 26.8 23.4 35.0
 58 69.4 58.5 87.7

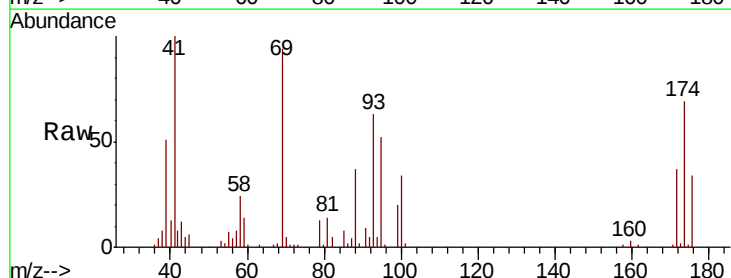


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

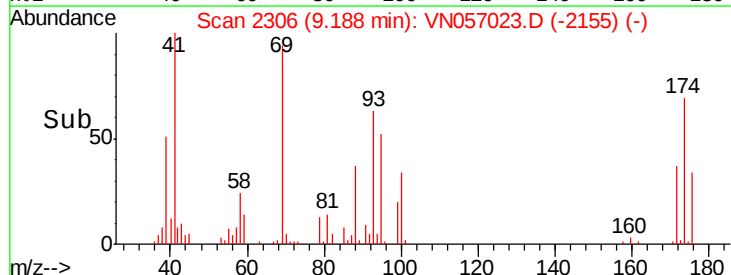
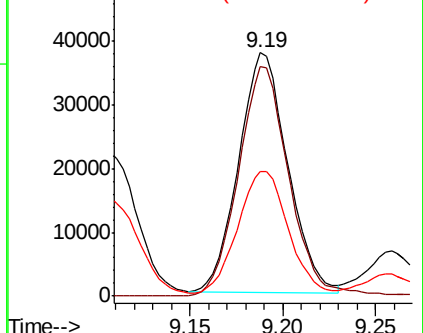


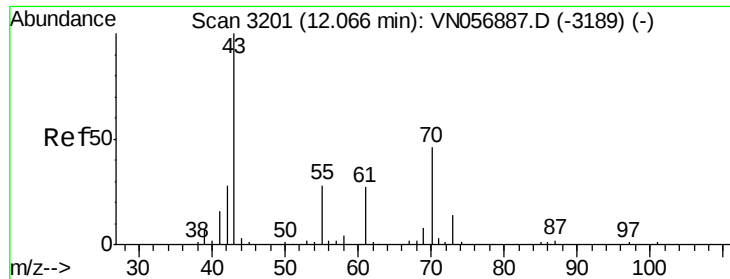
#46
 Methyl methacrylate
 Concen: 16.441 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.01 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Tgt Ion: 41 Resp: 68935
 Ion Ratio Lower Upper
 41 100
 69 95.8 44.0 132.0
 39 50.4 25.8 77.4



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-amvl Acetate

Concen: 15.753 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

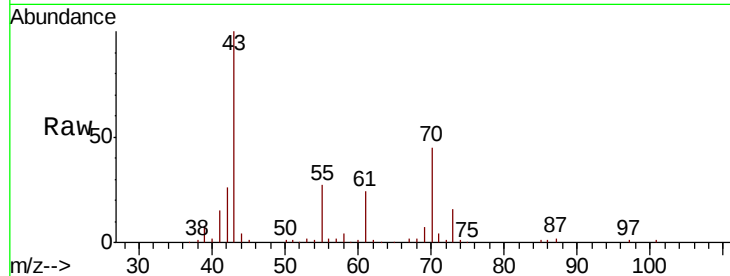
VSTDCCC020

Tot Ion: 43 Resp: 105988

Ion Ratio Lower Upper

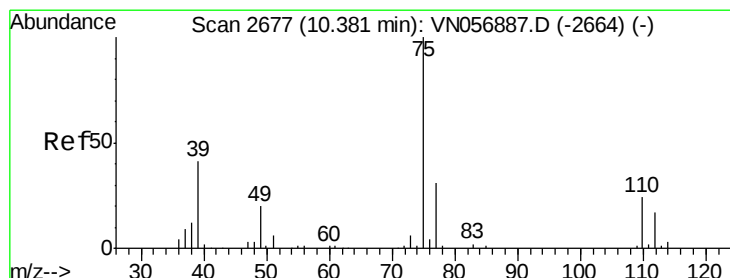
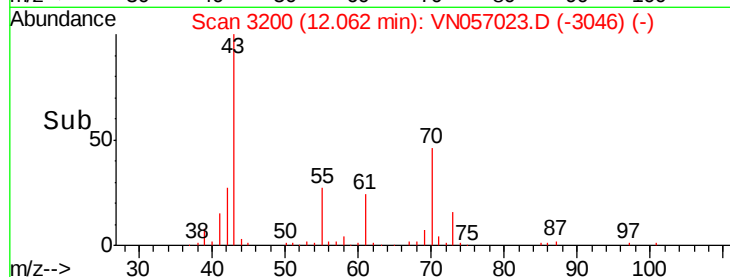
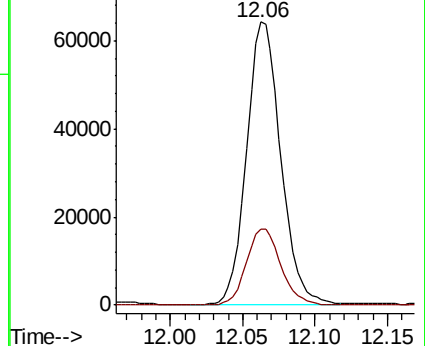
43 100

55 27.0 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 18.576 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.01 min

Lab File: VN057023.D

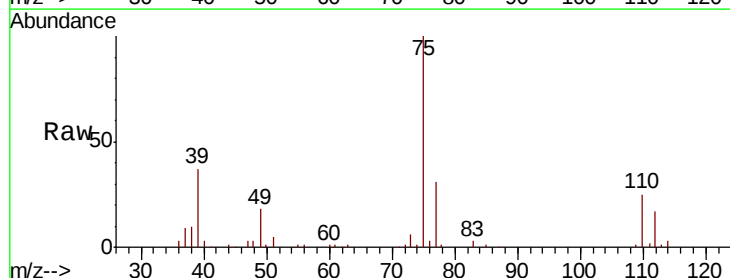
Acq: 1 Aug 2019 9:03

Tgt Ion: 75 Resp: 117321

Ion Ratio Lower Upper

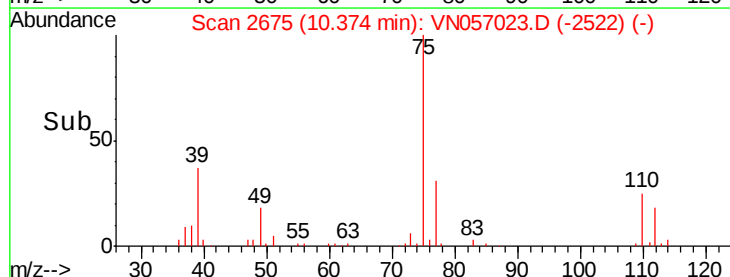
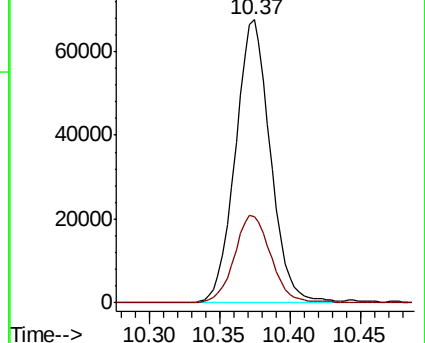
75 100

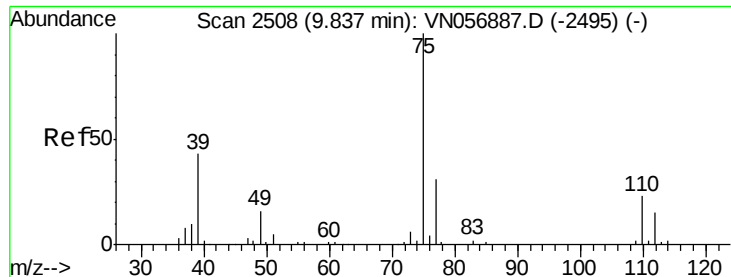
77 30.4 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



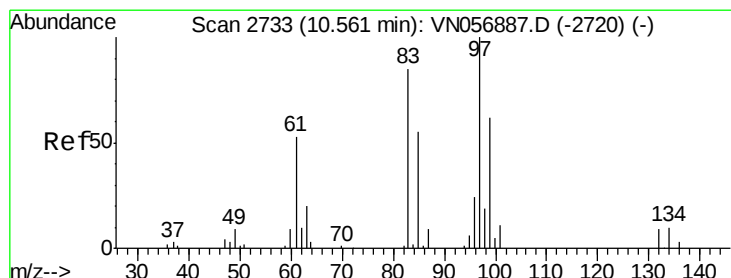
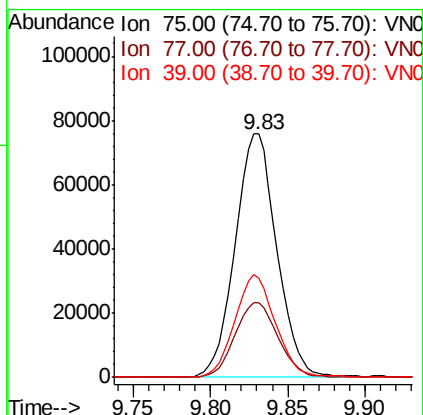
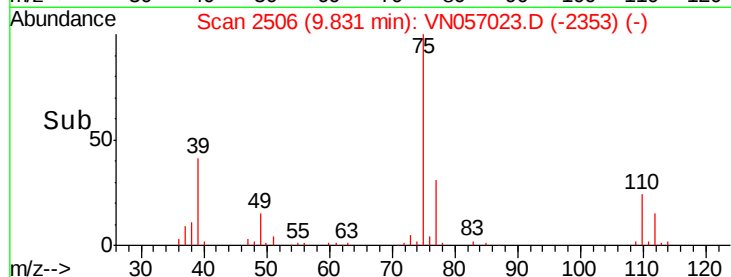
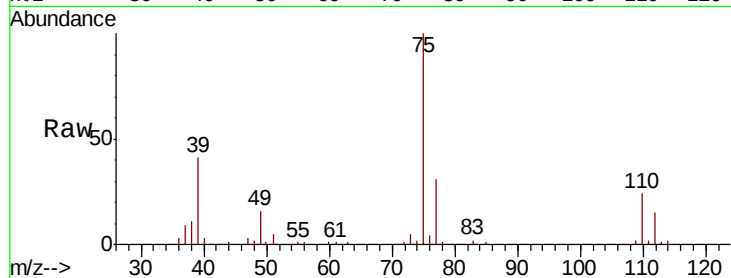


#49

cis-1,3-Dichloropropene
Concen: 19.241 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

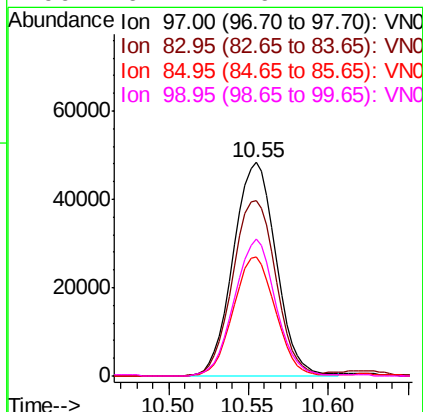
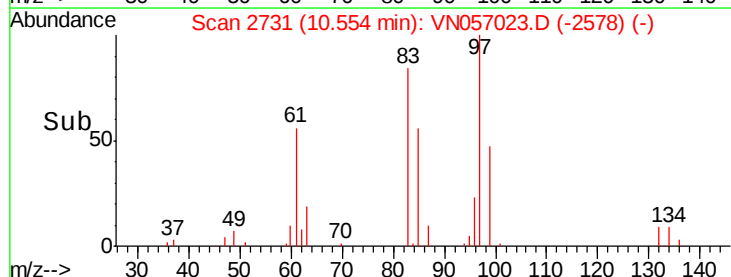
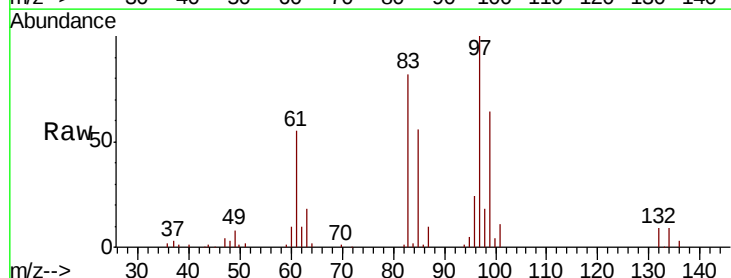
Tot Ion: 75 Resp: 141616
Ion Ratio Lower Upper
75 100
77 30.6 24.4 36.6
39 40.8 34.2 51.4

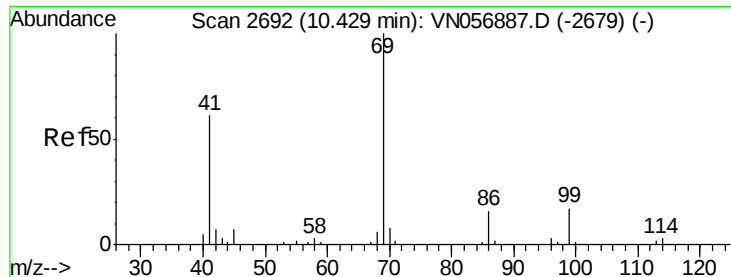


#50

1,1,2-Trichloroethane
Concen: 19.487 ug/l
RT: 10.55 min Scan# 2731
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion: 97 Resp: 88370
Ion Ratio Lower Upper
97 100
83 81.9 68.4 102.6
85 55.6 44.3 66.5
99 64.2 49.4 74.2





#51

Ethyl methacrylate

Concen: 17.507 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

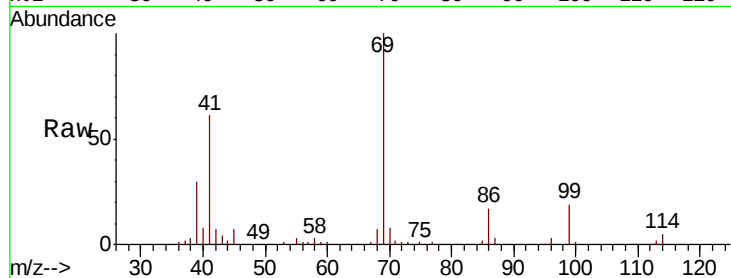
Tot Ion: 69 Resp: 114837

Ion Ratio Lower Upper

69 100

41 60.7 30.4 91.3

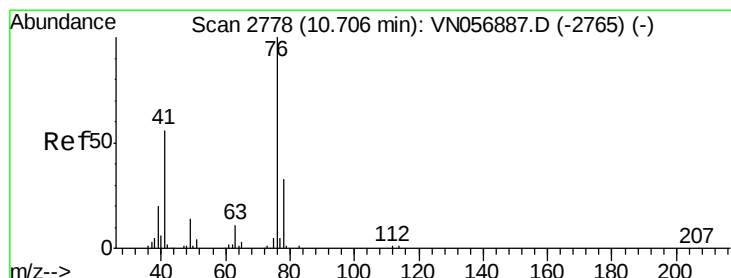
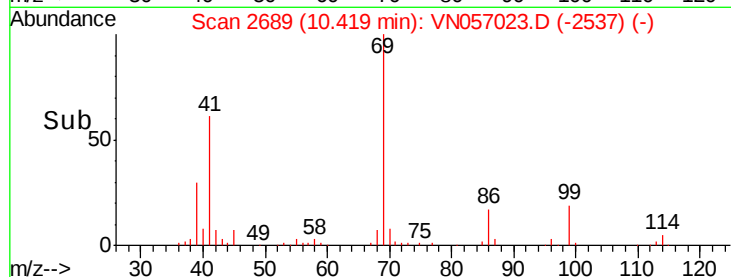
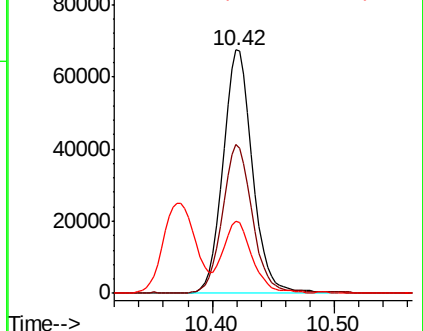
39 29.4 14.2 42.6



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 19.177 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.01 min

Lab File: VN057023.D

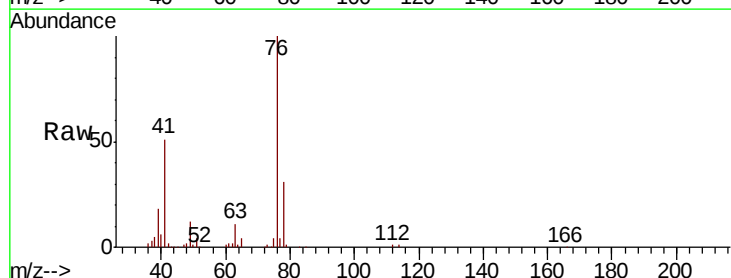
Acq: 1 Aug 2019 9:03

Tgt Ion: 76 Resp: 146772

Ion Ratio Lower Upper

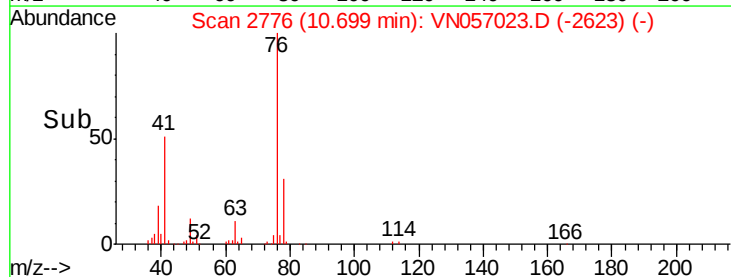
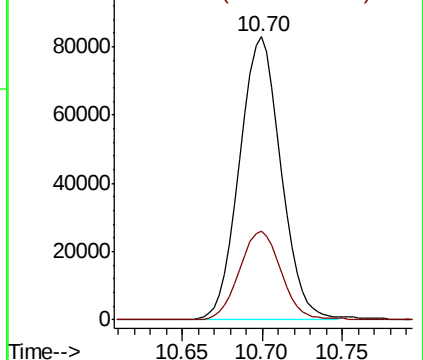
76 100

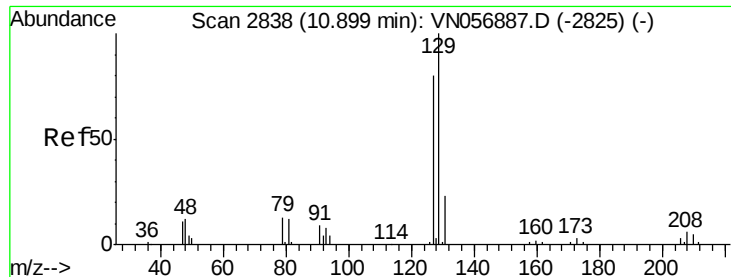
78 31.7 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.195 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

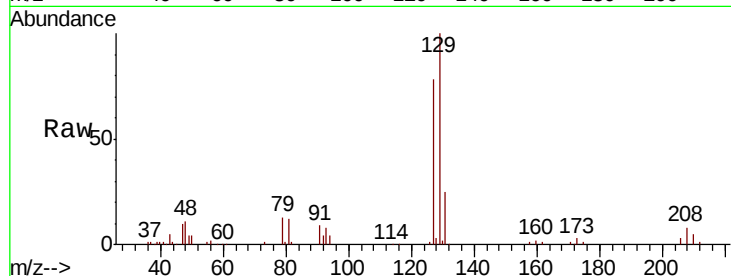
VSTDCCC020

Tot Ion:129 Resp: 90482

Ion Ratio Lower Upper

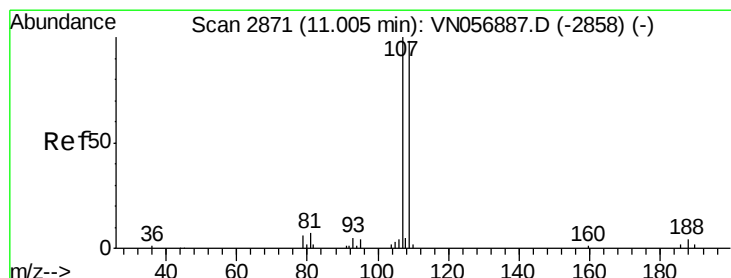
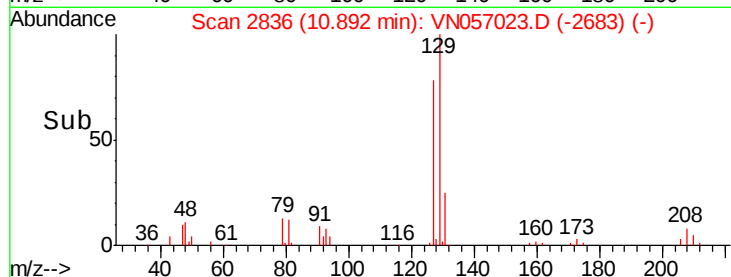
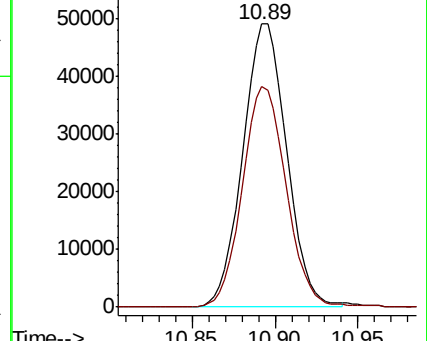
129 100

127 77.6 38.8 116.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.152 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.01 min

Lab File: VN057023.D

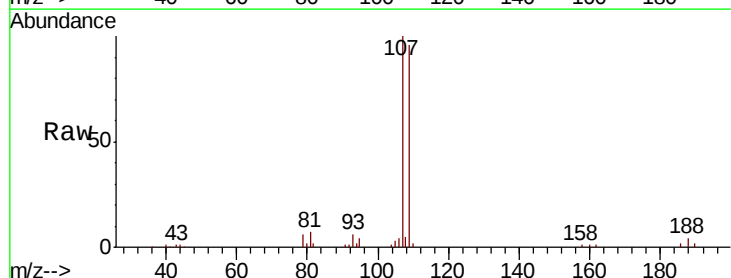
Acq: 1 Aug 2019 9:03

Tgt Ion:107 Resp: 88604

Ion Ratio Lower Upper

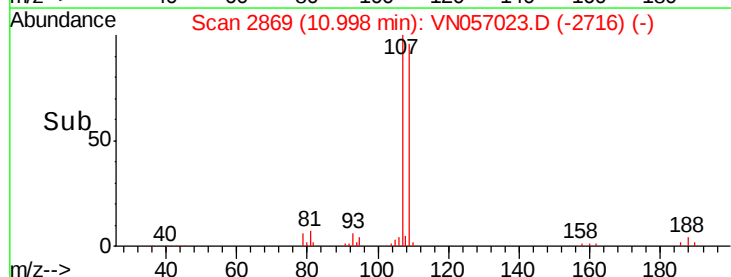
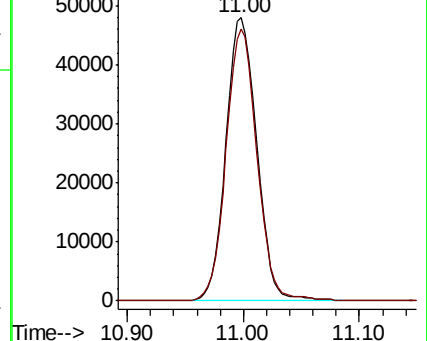
107 100

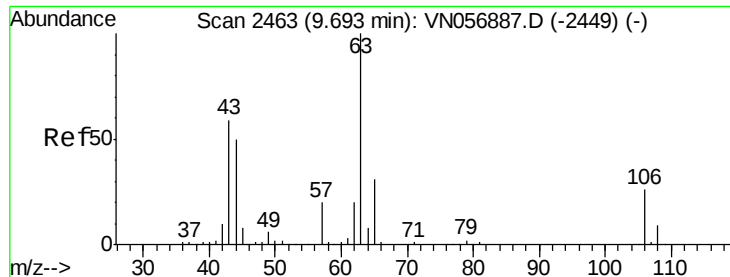
109 94.9 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

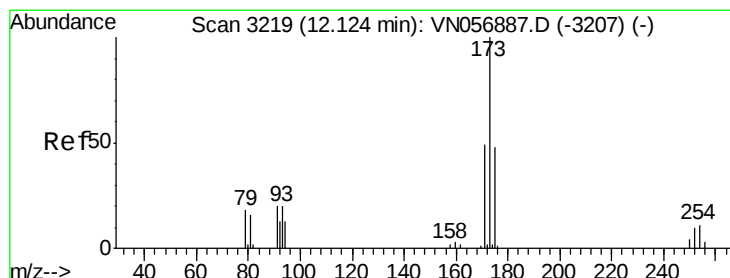
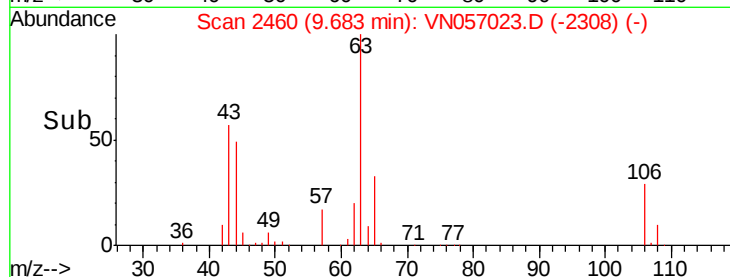
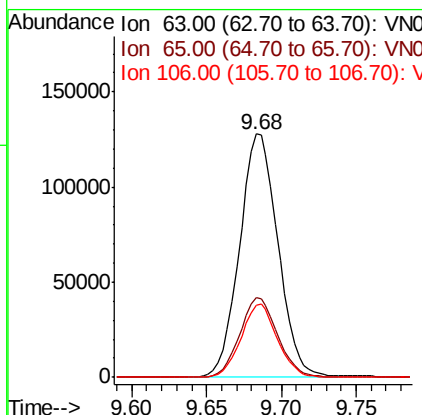
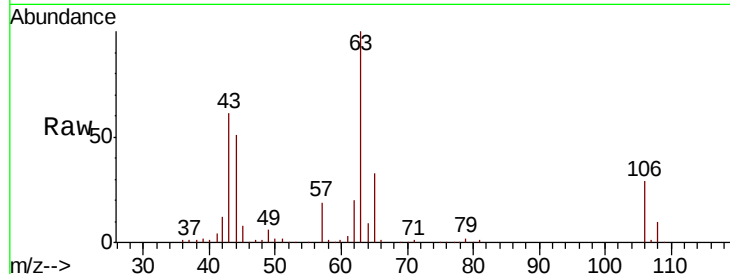




#55
2-Chloroethyl vinyl ether
Concen: 80.623 ug/l
RT: 9.68 min Scan# 2460
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

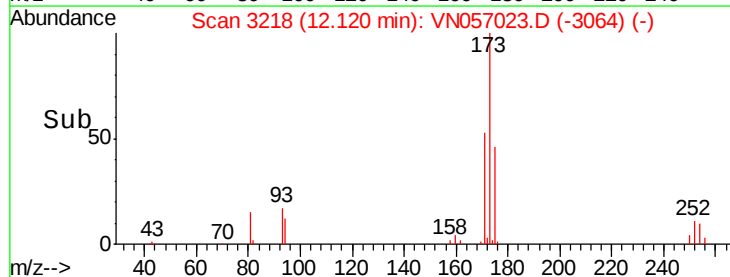
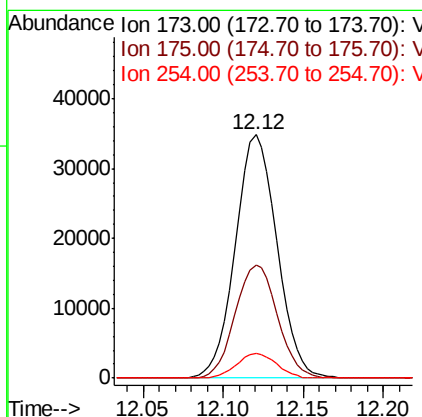
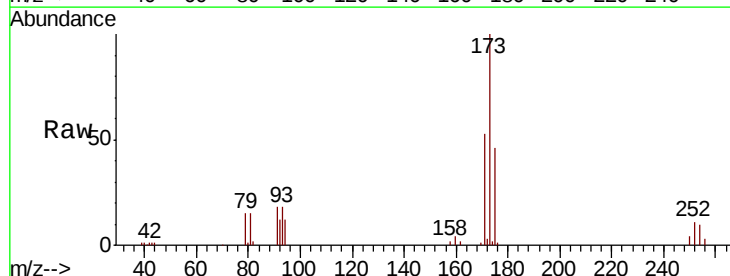
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

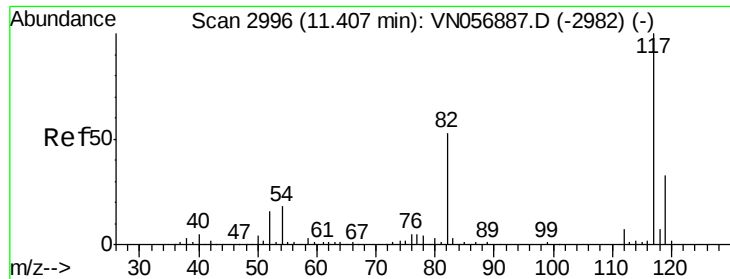
Tot Ion: 63 Resp: 229033
Ion Ratio Lower Upper
63 100
65 32.2 25.1 37.7
106 28.5 21.5 32.3



#56
Bromoform
Concen: 18.956 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion: 173 Resp: 61824
Ion Ratio Lower Upper
173 100
175 47.2 38.8 58.2
254 9.7 8.1 12.1

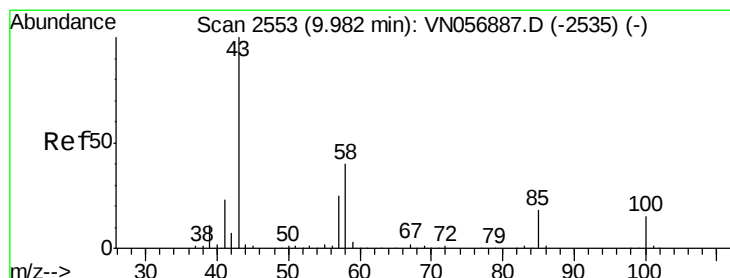
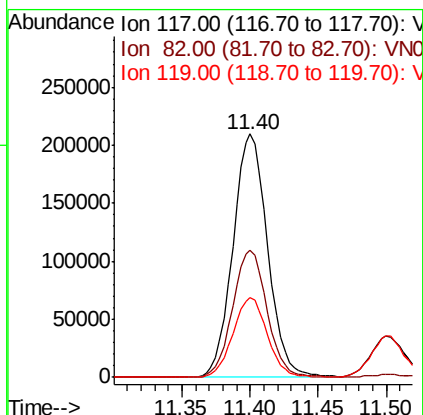
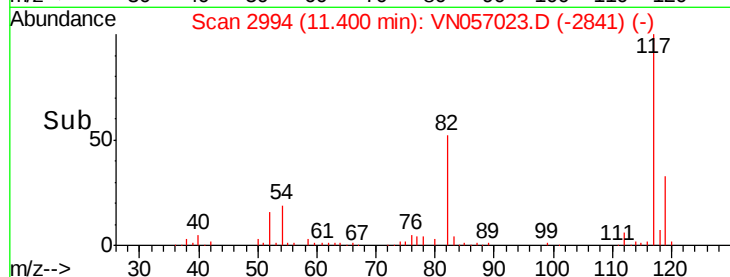
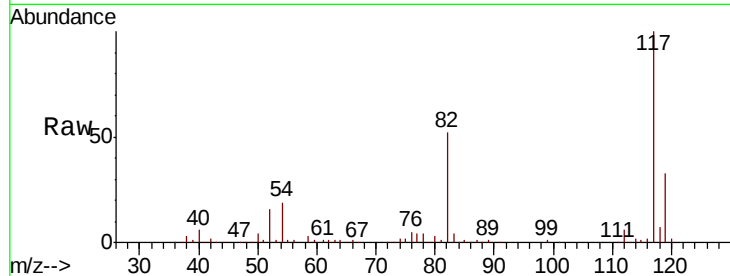




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

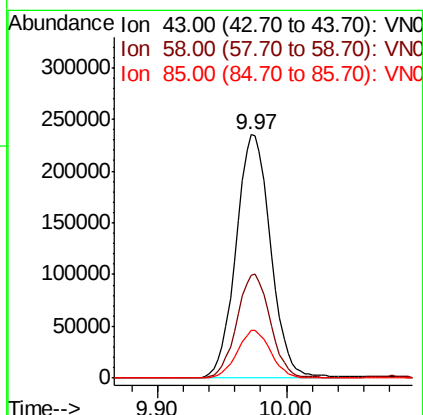
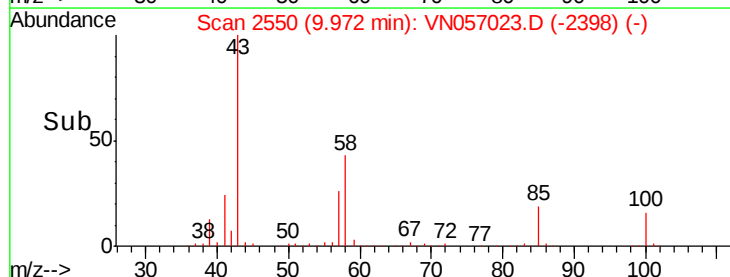
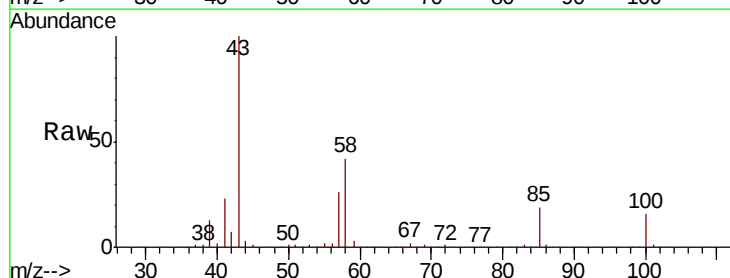
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

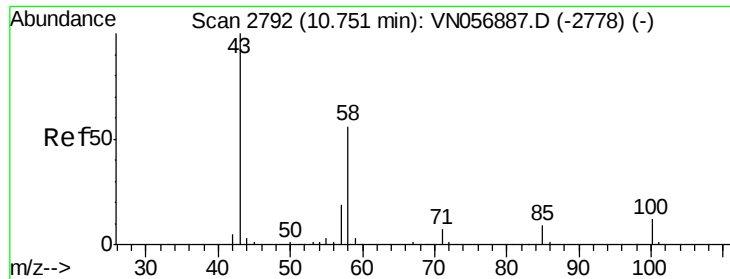
Tot Ion:117 Resp: 369916
Ion Ratio Lower Upper
117 100
82 52.0 43.0 64.4
119 32.6 26.2 39.2



#58
4-Methyl-2-Pentanone
Concen: 88.246 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion: 43 Resp: 438064
Ion Ratio Lower Upper
43 100
58 41.7 31.7 47.5
85 18.9 14.5 21.7

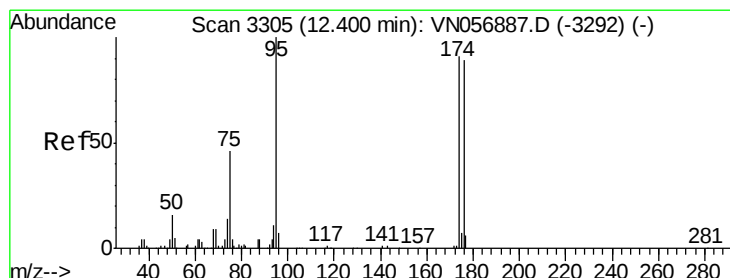
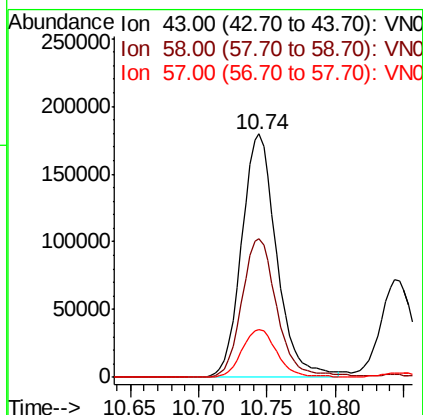
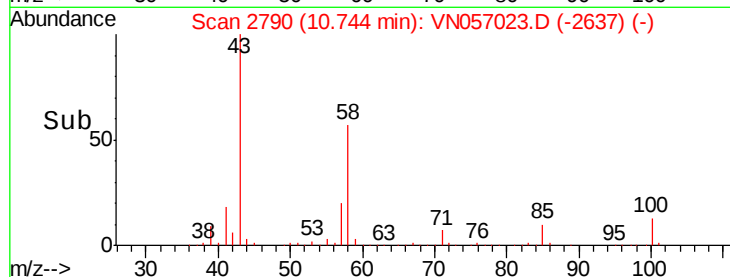
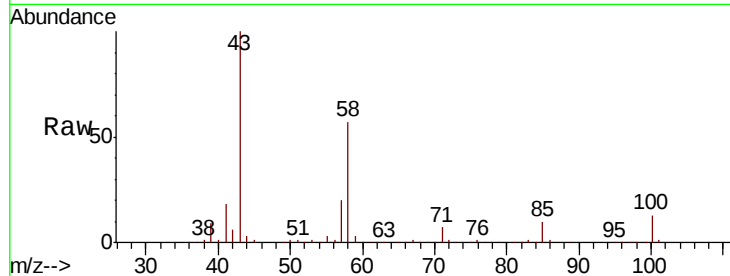




#59
2-Hexanone
Concen: 94.197 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

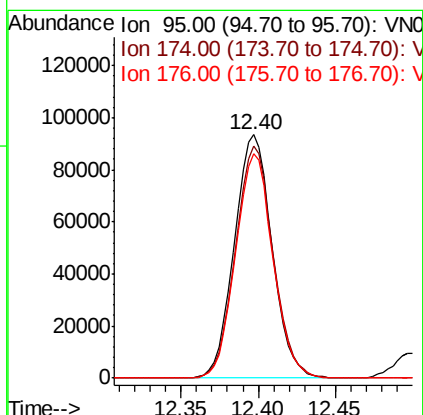
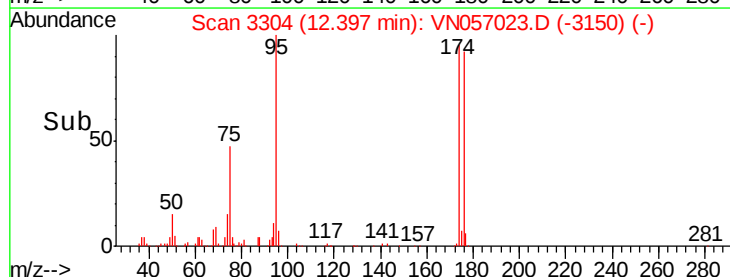
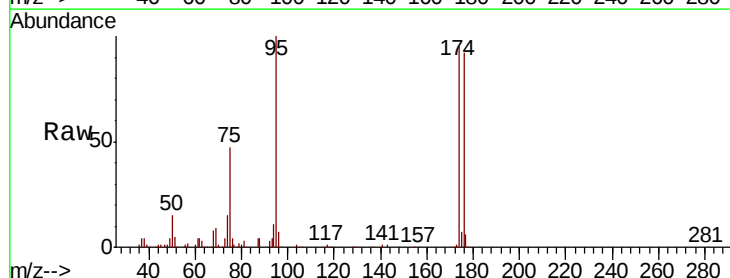
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

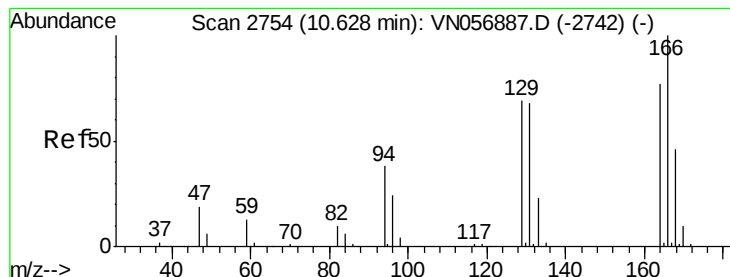
Tot Ion: 43 Resp: 318633
Ion Ratio Lower Upper
43 100
58 57.8 45.0 67.4
57 19.9 15.4 23.0



#60
4-Bromofluorobenzene
Concen: 28.494 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion: 95 Resp: 157978
Ion Ratio Lower Upper
95 100
174 95.3 71.9 107.9
176 91.6 69.8 104.8





#61

Tetrachloroethene

Concen: 21.467 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 111292

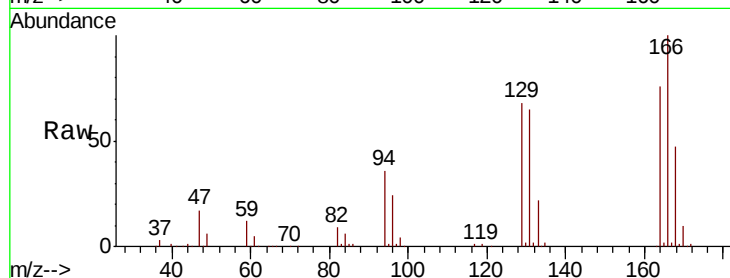
Ion Ratio Lower Upper

164 100

166 131.4 103.9 155.9

129 89.9 72.4 108.6

131 85.8 70.3 105.5

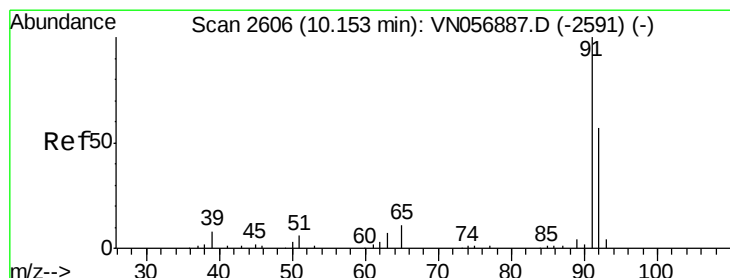
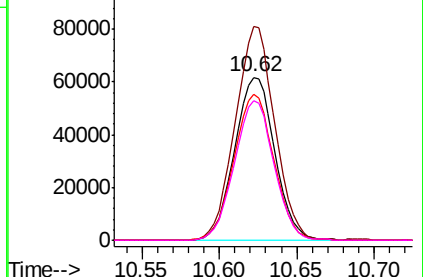
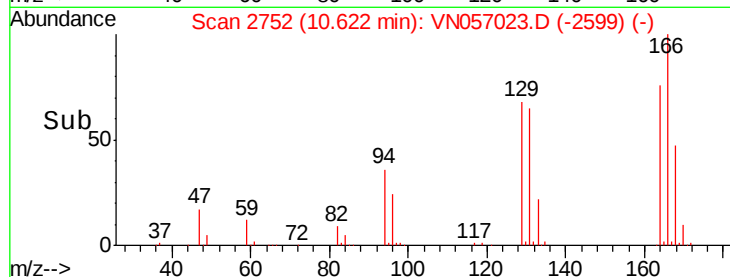


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.678 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.01 min

Lab File: VN057023.D

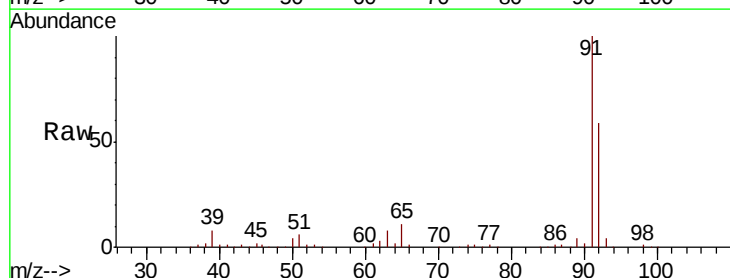
Acq: 1 Aug 2019 9:03

Tgt Ion: 91 Resp: 395890

Ion Ratio Lower Upper

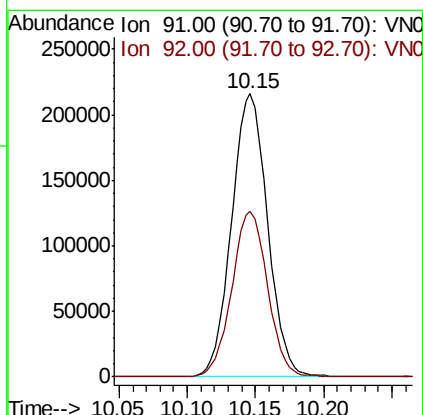
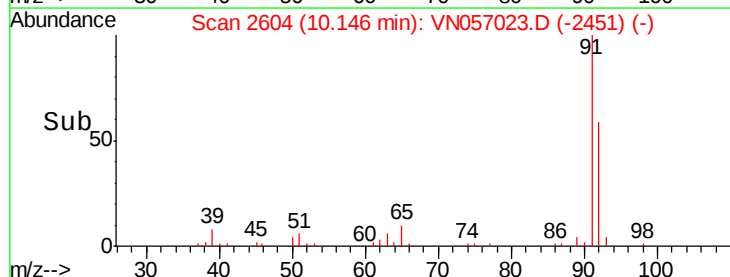
91 100

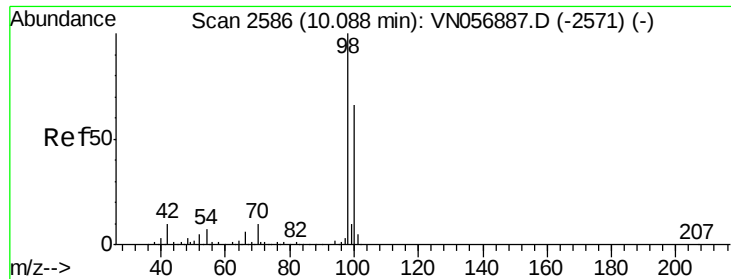
92 58.2 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.775 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

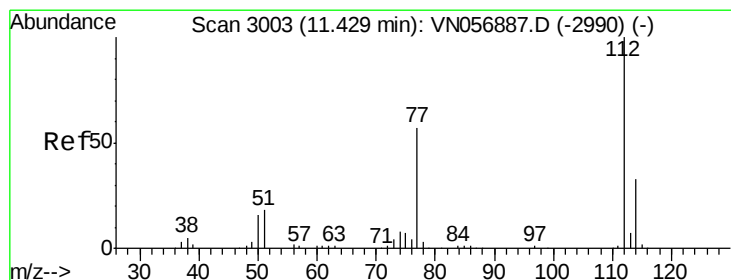
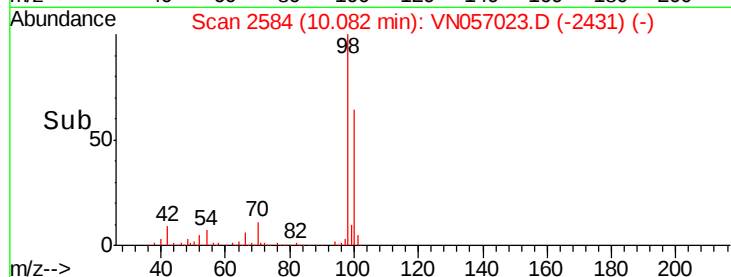
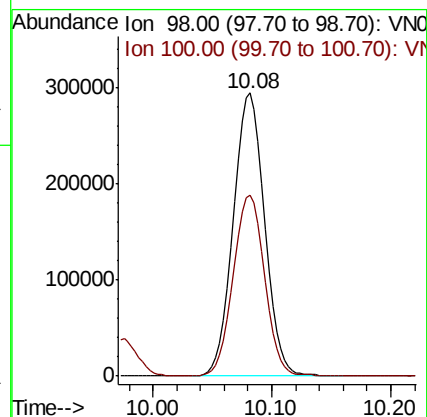
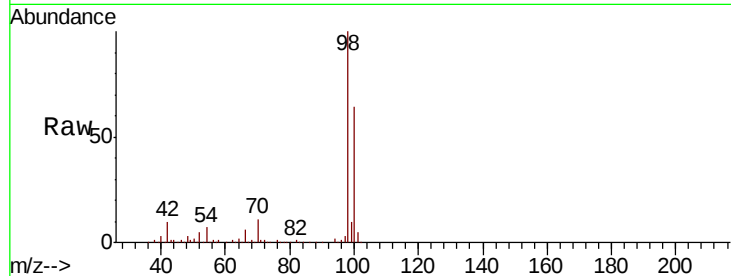
VSTDCCC020

Tot Ion: 98 Resp: 537766

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.2



#64

Chlorobenzene

Concen: 20.060 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN057023.D

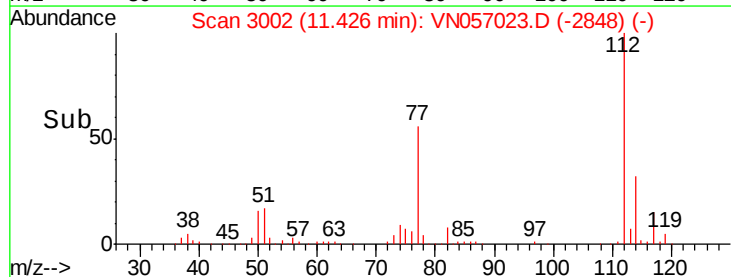
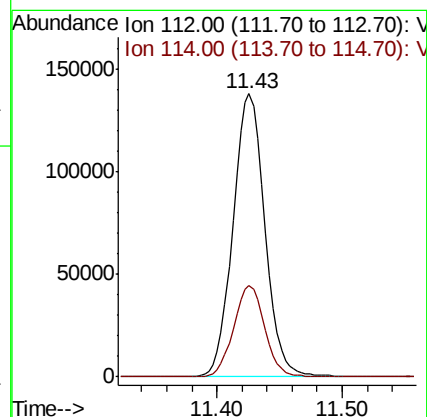
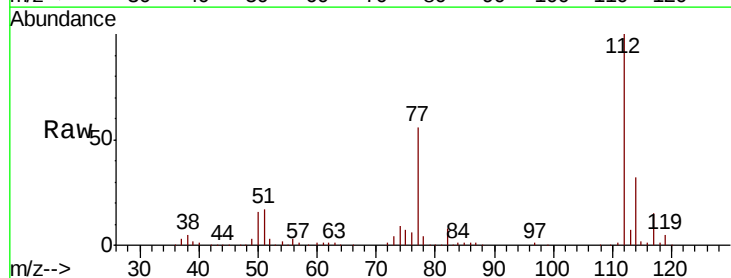
Acq: 1 Aug 2019 9:03

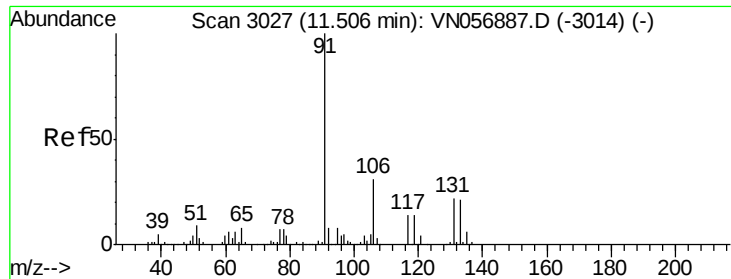
Tgt Ion: 112 Resp: 243103

Ion Ratio Lower Upper

112 100

114 32.3 26.7 40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 20.035 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

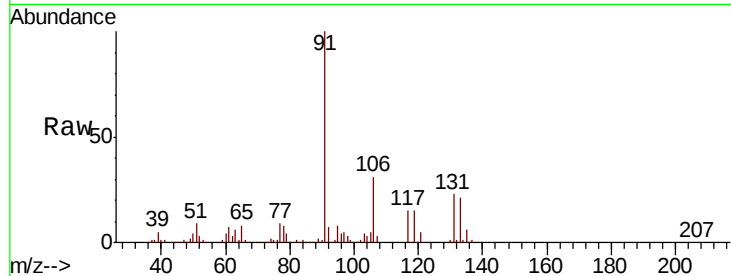
Tot Ion:131 Resp: 91961

Ion Ratio Lower Upper

131 100

133 94.9 0.0 189.6

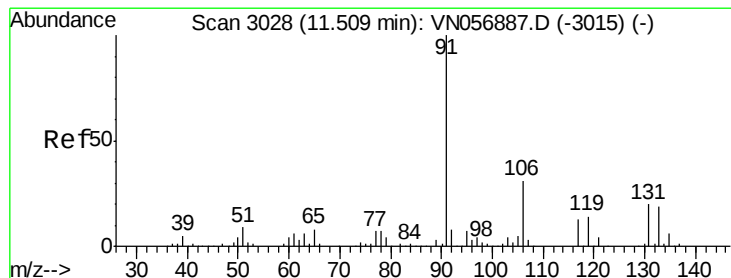
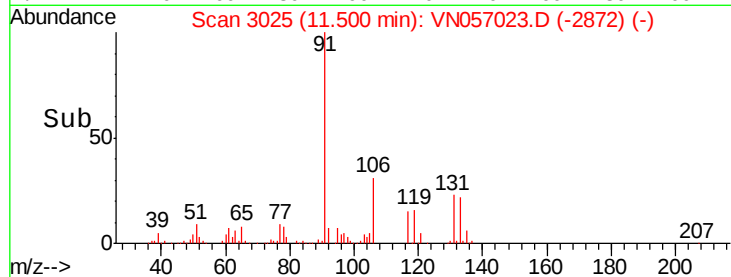
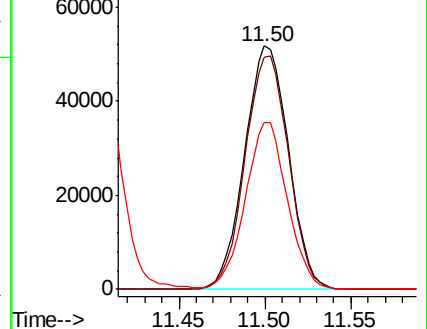
119 65.7 0.0 133.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.588 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.01 min

Lab File: VN057023.D

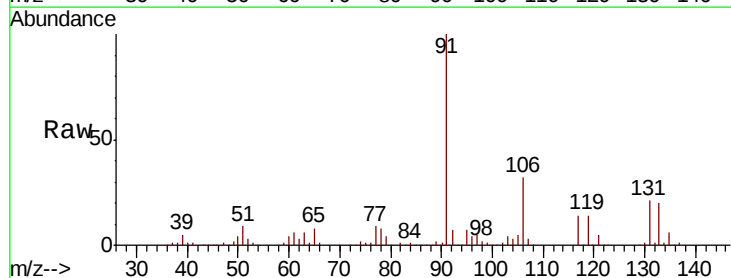
Acq: 1 Aug 2019 9:03

Tgt Ion: 91 Resp: 415271

Ion Ratio Lower Upper

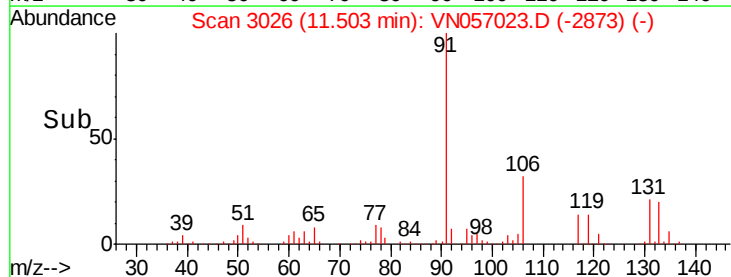
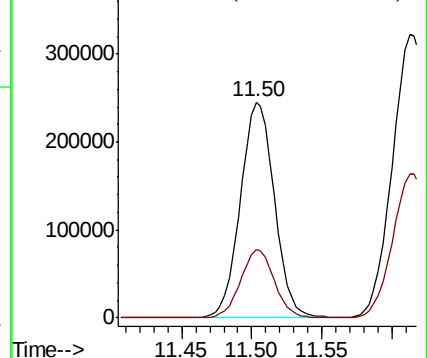
91 100

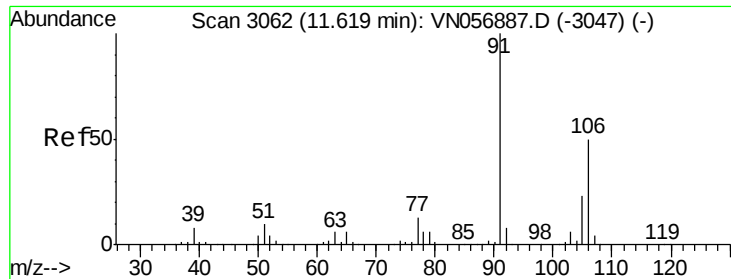
106 31.7 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

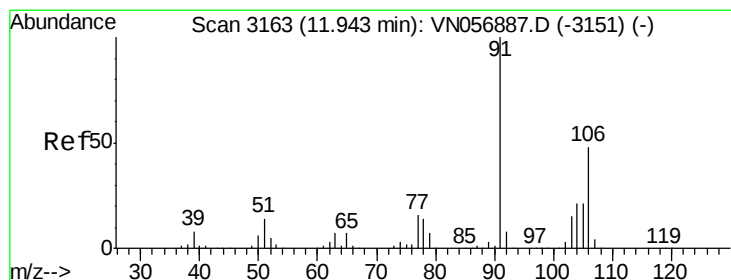
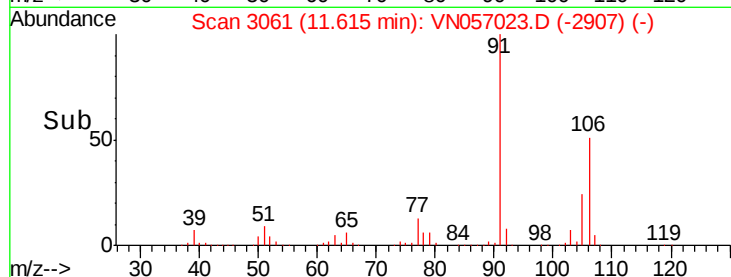
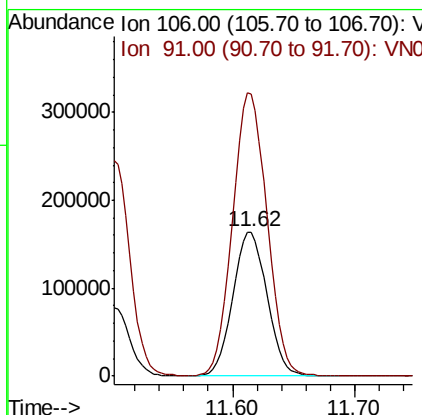
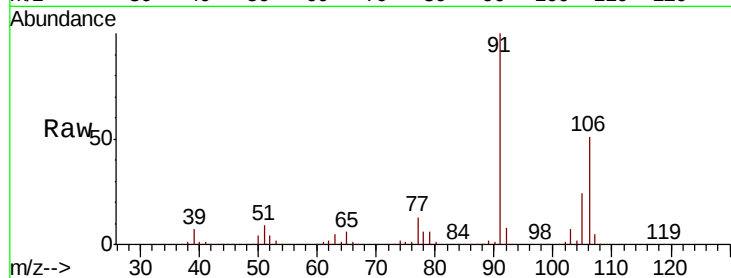




#67
m/p-Xylenes
Concen: 40.124 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

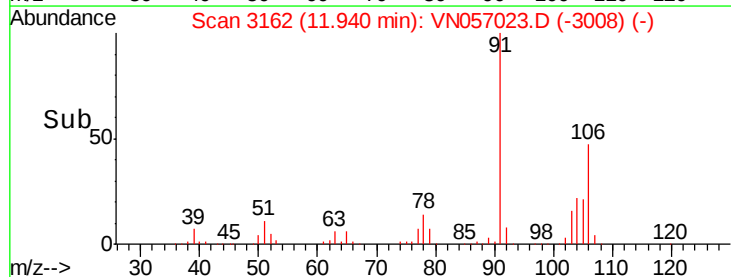
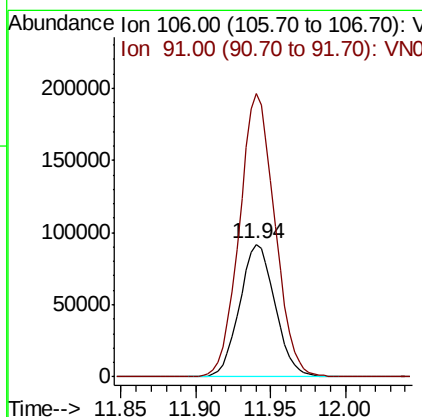
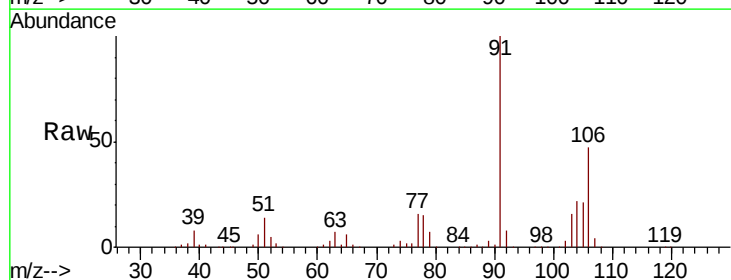
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

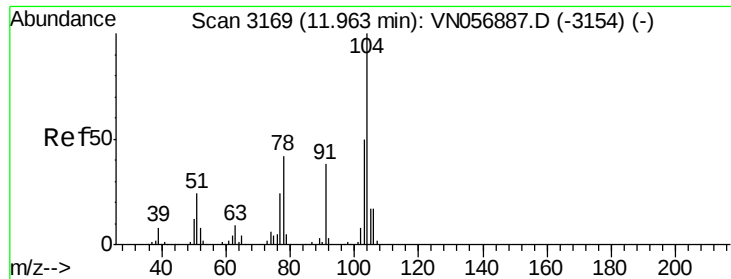
Tot Ion:106 Resp: 317206
Ion Ratio Lower Upper
106 100
91 198.9 160.6 240.8



#68
o-Xylene
Concen: 19.563 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion:106 Resp: 152057
Ion Ratio Lower Upper
106 100
91 212.7 106.2 318.6

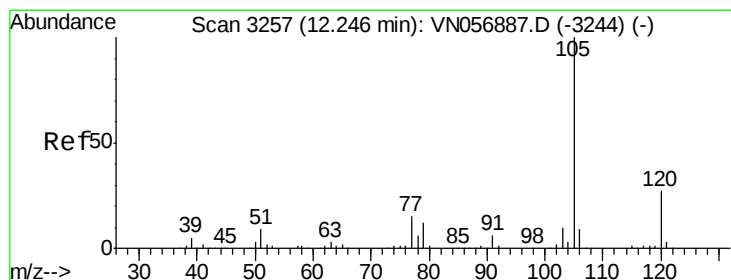
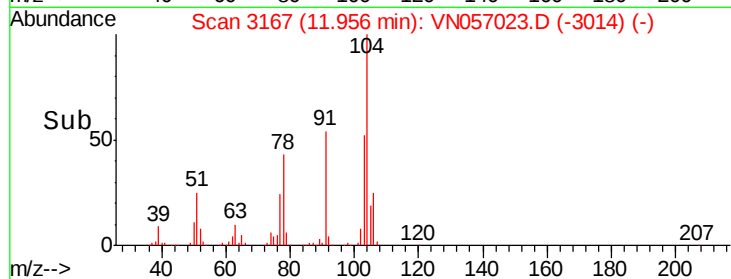
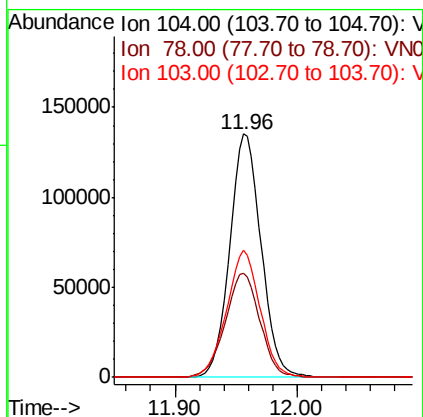
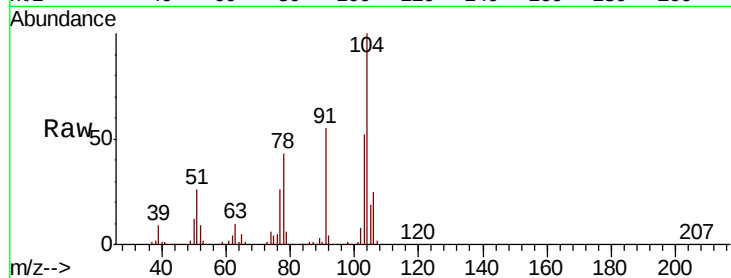




#69
Stvrene
Concen: 19.210 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

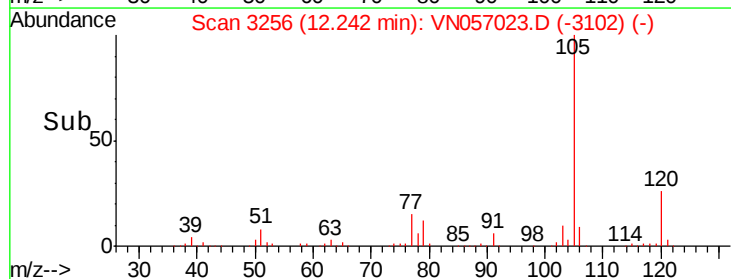
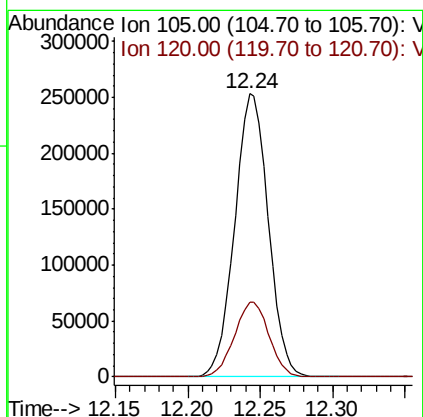
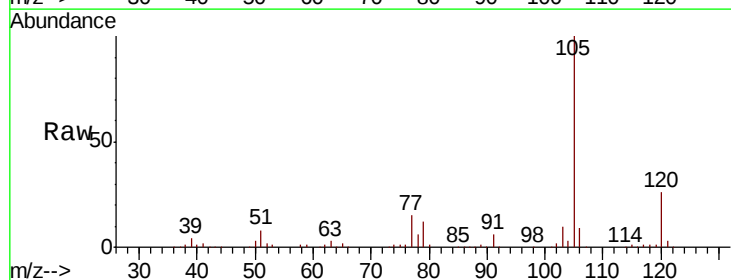
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

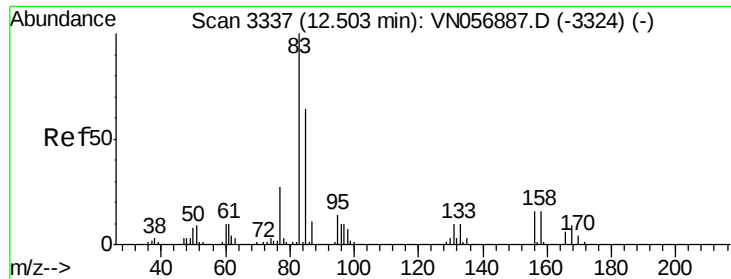
Tot Ion	Ratio	Lower	Upper
104	100		
78	47.4	38.5	57.7
103	55.9	44.7	67.1



#70
Isopropylbenzene
Concen: 19.887 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	18.7	34.7

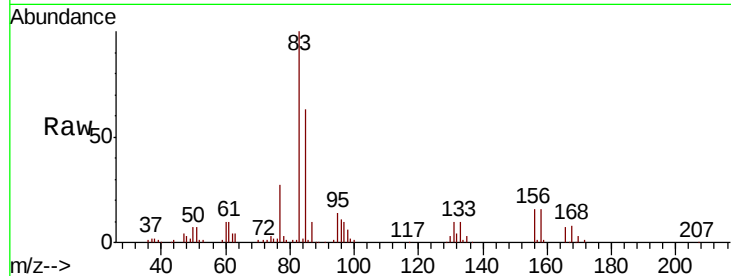




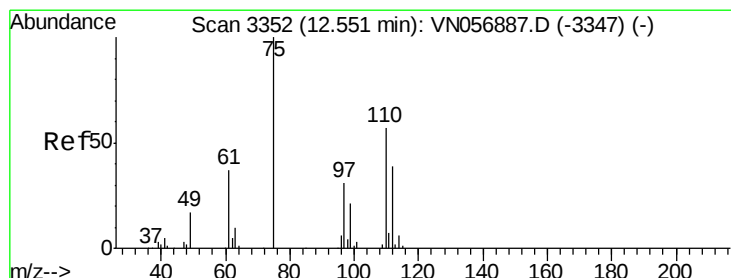
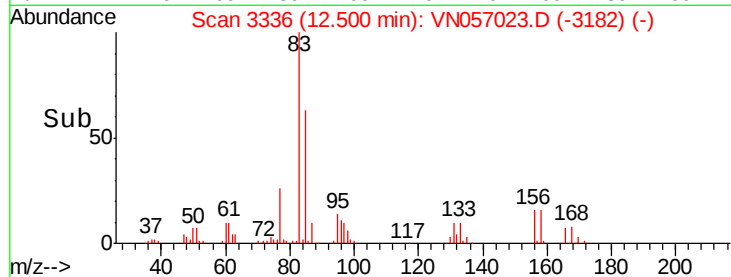
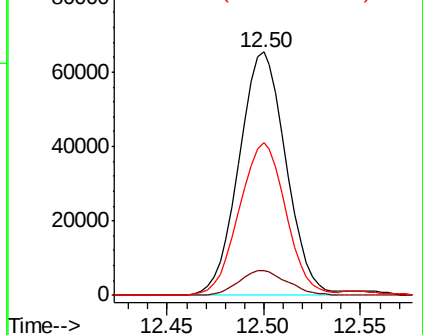
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.342 ug/l
 RT: 12.50 min Scan# 3336
 Delta R.T. -0.00 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 83 Resp: 110875
 Ion Ratio Lower Upper
 83 100
 131 10.4 5.1 15.2
 85 62.1 31.8 95.4

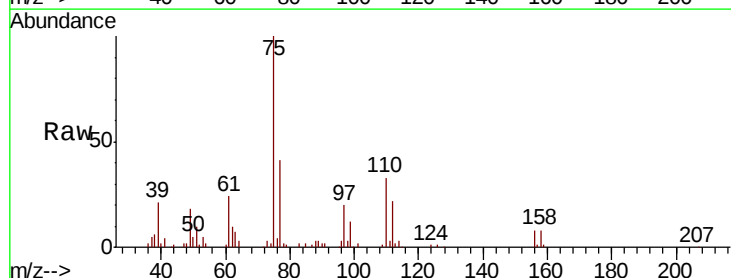


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0

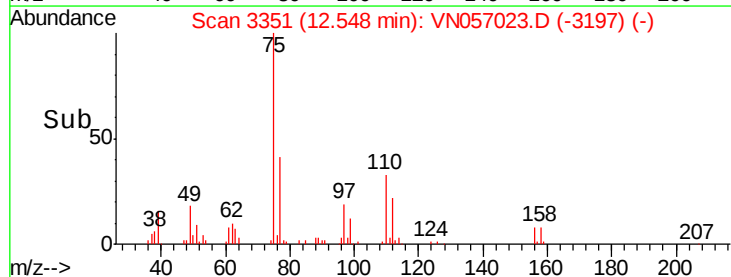
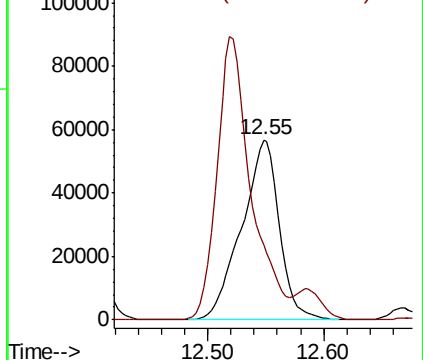


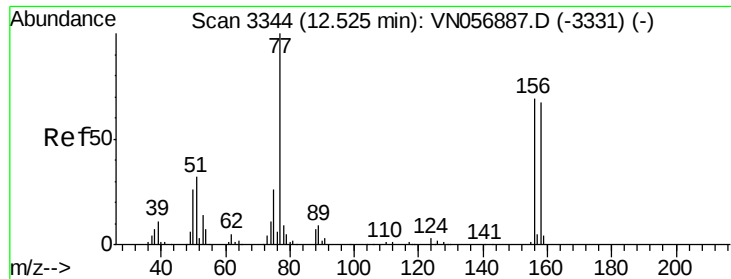
#72
 1,2,3-Trichloropropane
 Concen: 25.522 ug/l
 RT: 12.55 min Scan# 3351
 Delta R.T. -0.00 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Tgt Ion: 75 Resp: 128719
 Ion Ratio Lower Upper
 75 100
 77 142.0 0.0 378.6



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 19.536 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

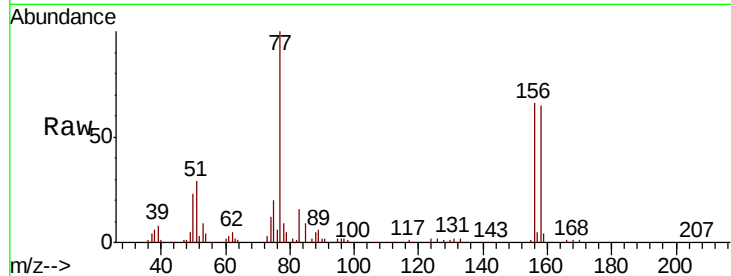
Tot Ion:156 Resp: 103174

Ion Ratio Lower Upper

156 100

77 177.1 0.0 364.6

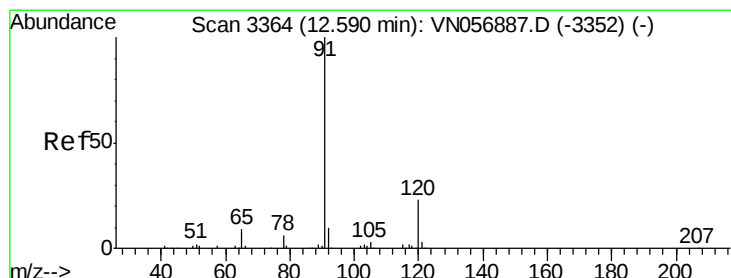
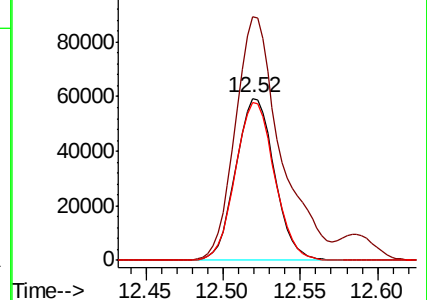
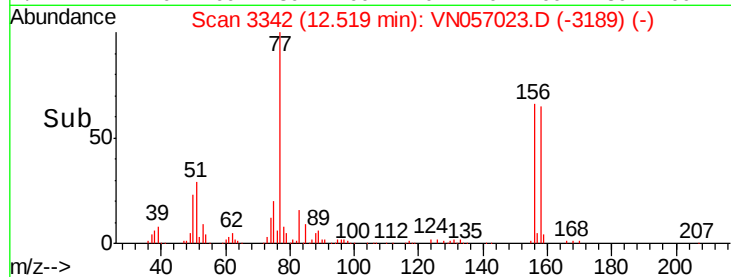
158 98.5 0.0 196.2



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: 19.275 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN057023.D

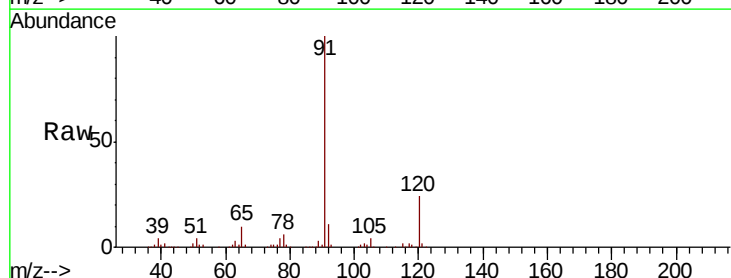
Acq: 1 Aug 2019 9:03

Tgt Ion: 91 Resp: 431330

Ion Ratio Lower Upper

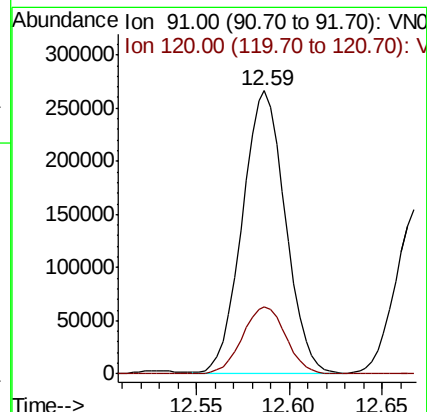
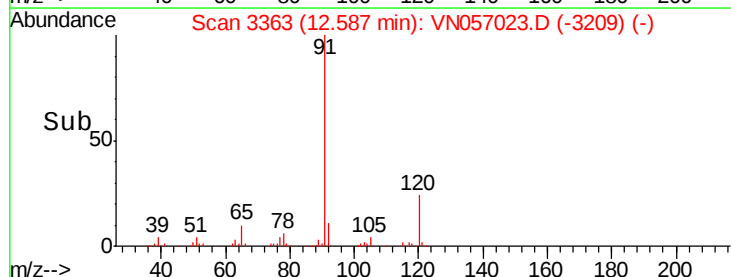
91 100

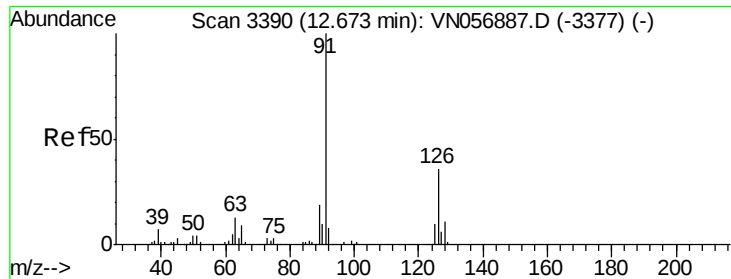
120 23.9 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.711 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampled :

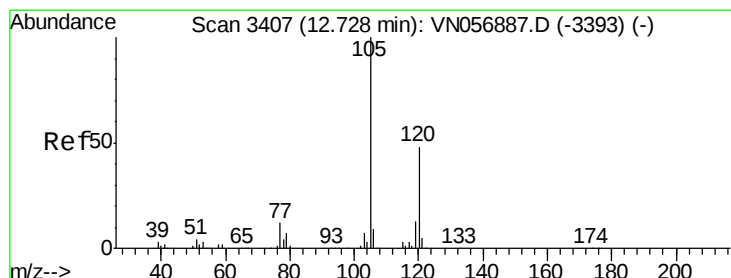
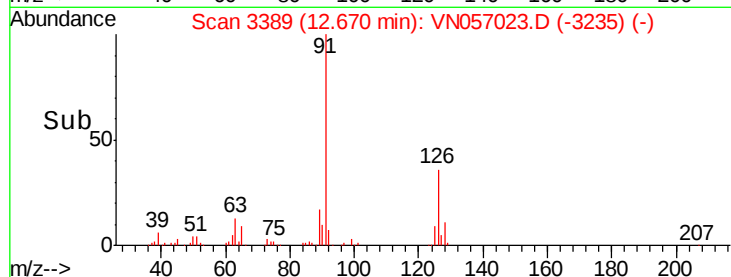
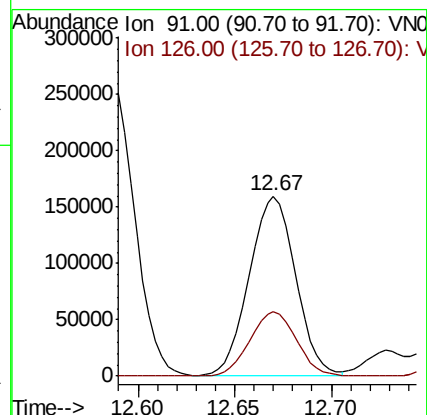
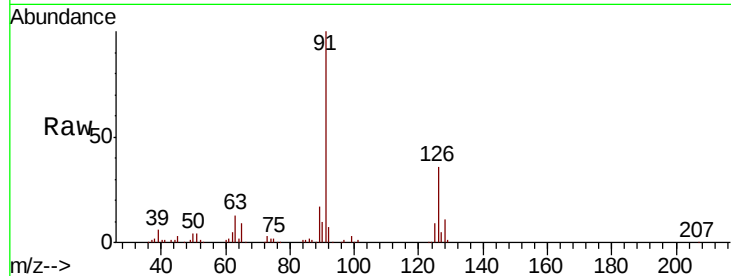
VSTDCCC020

Tot Ion: 91 Resp: 267422

Ion Ratio Lower Upper

91 100

126 36.0 0.0 70.8



#76

1,3,5-Trimethylbenzene

Concen: 20.191 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN057023.D

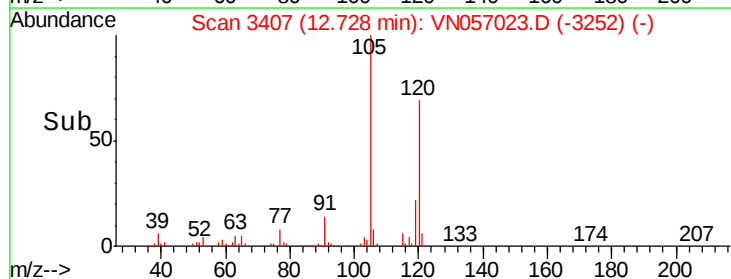
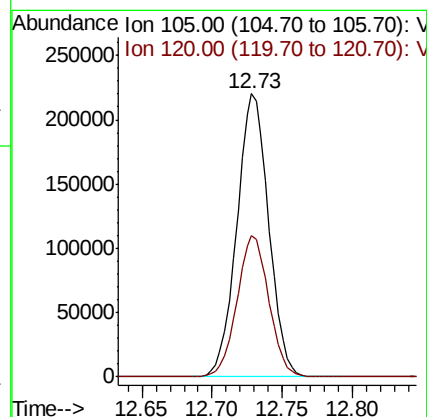
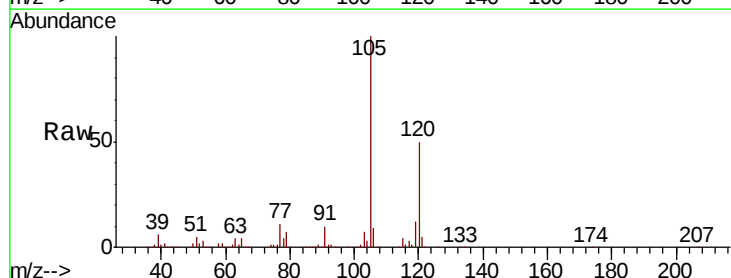
Acq: 1 Aug 2019 9:03

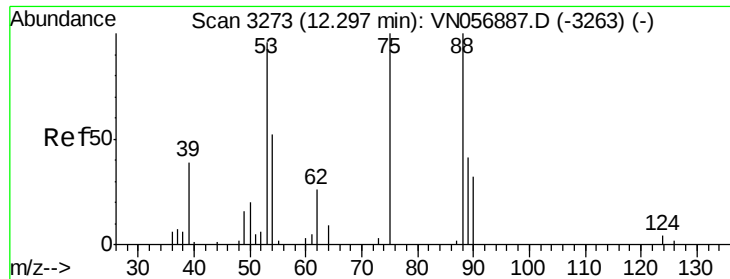
Tgt Ion: 105 Resp: 347884

Ion Ratio Lower Upper

105 100

120 49.9 0.0 97.2

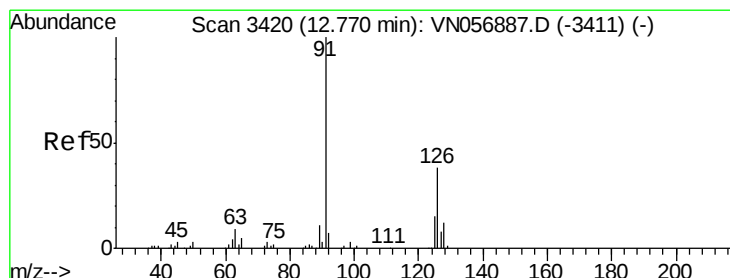
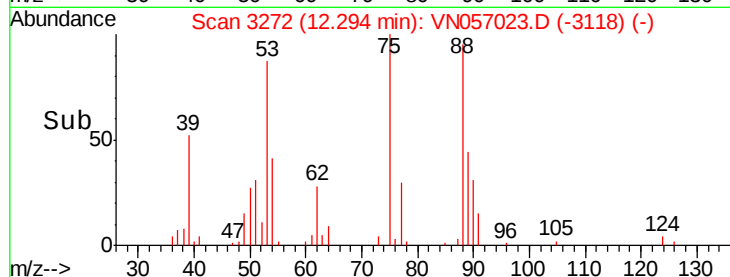
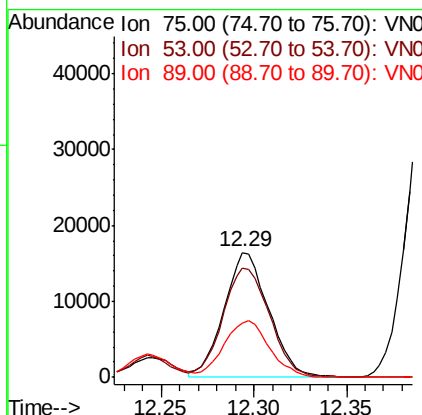
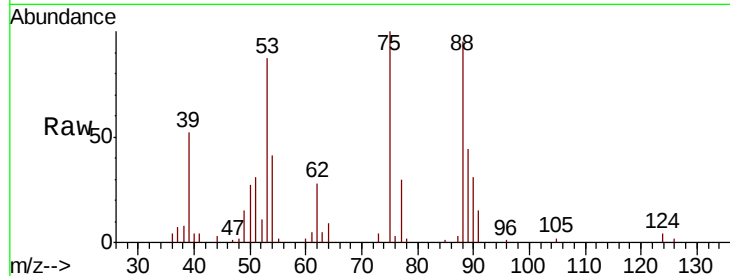




#77
t-1,4-Dichloro-2-butene
Concen: 17.412 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

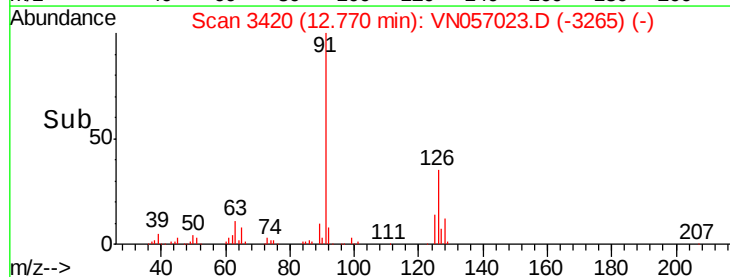
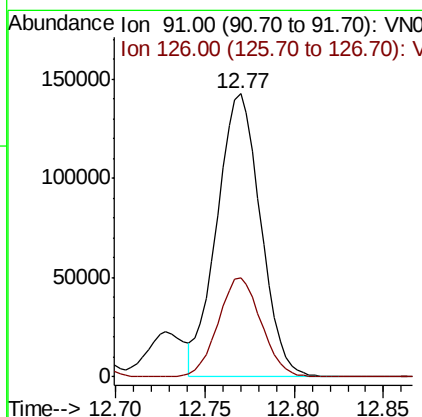
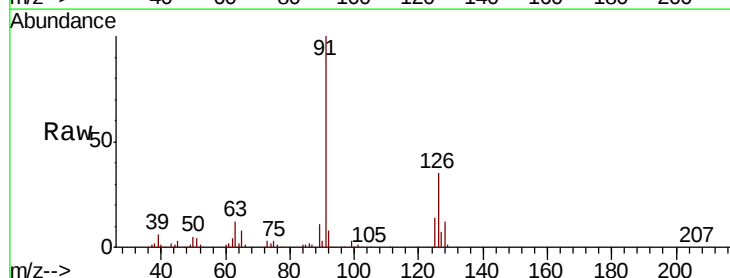
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

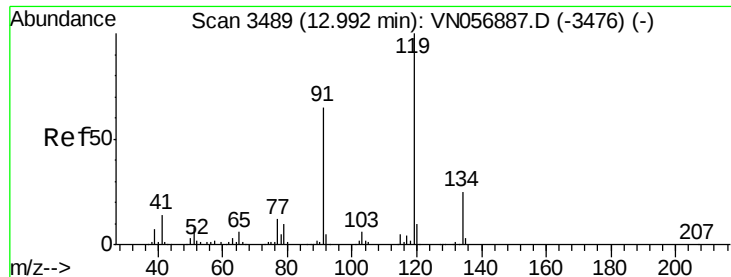
Tot Ion: 75 Resp: 27573
Ion Ratio Lower Upper
75 100
53 87.3 48.0 144.0
89 43.9 21.4 64.3



#78
4-Chlorotoluene
Concen: 18.774 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion: 91 Resp: 242120
Ion Ratio Lower Upper
91 100
126 34.7 0.0 69.6

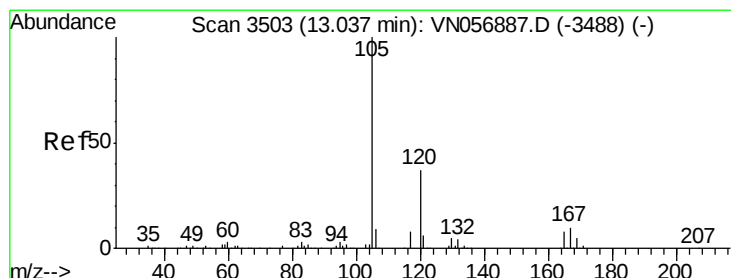
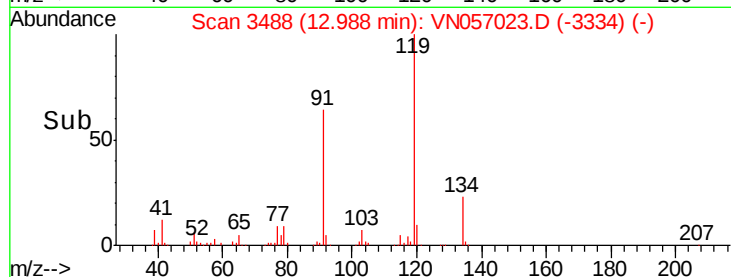
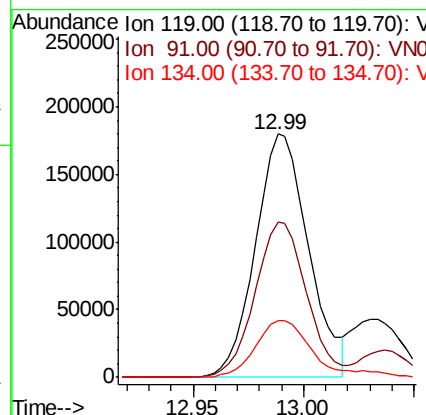
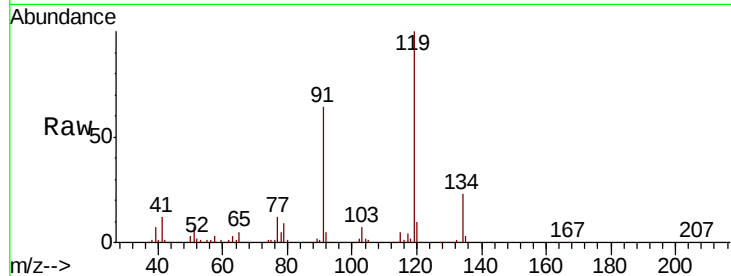




#79
tert-butylbenzene
Concen: 20.246 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

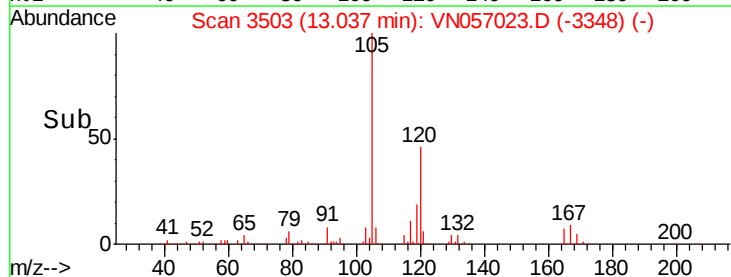
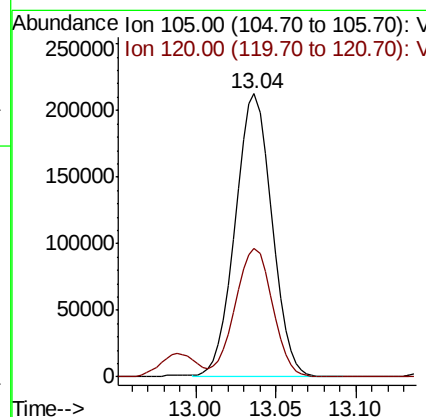
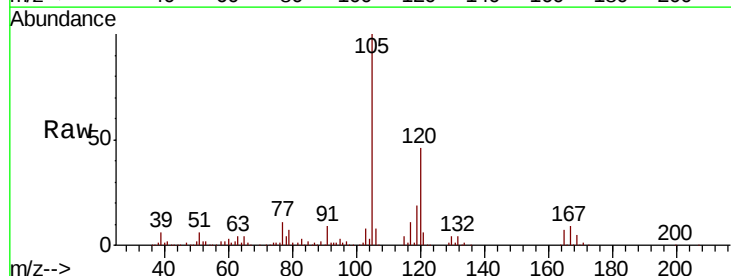
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

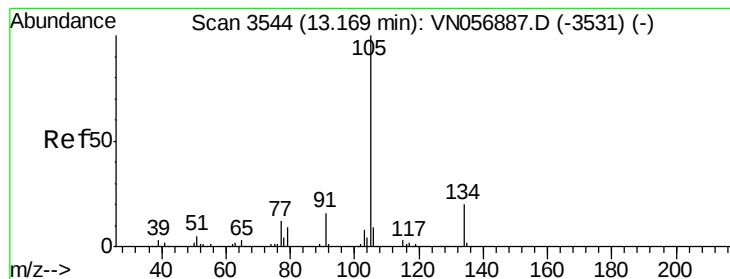
Tot Ion:119 Resp: 301008
Ion Ratio Lower Upper
119 100
91 61.7 0.0 126.8
134 24.2 0.0 48.8



#80
1,2,4-Trimethylbenzene
Concen: 19.788 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion:105 Resp: 332354
Ion Ratio Lower Upper
105 100
120 46.2 0.0 90.6





#81

sec-Butylbenzene

Concen: 19.726 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampled :

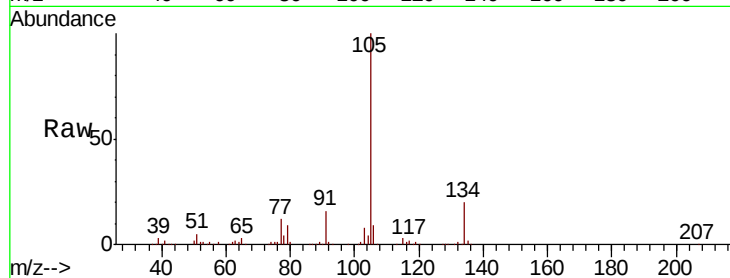
VSTDCCC020

Tot Ion:105 Resp: 382901

Ion Ratio Lower Upper

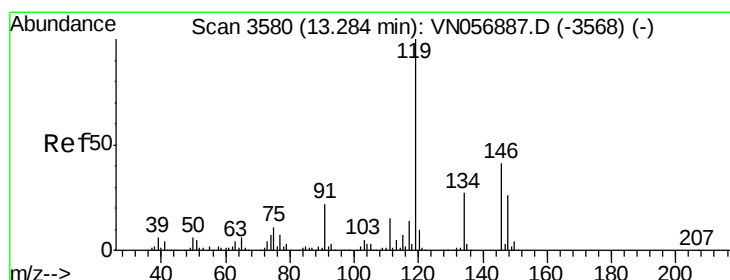
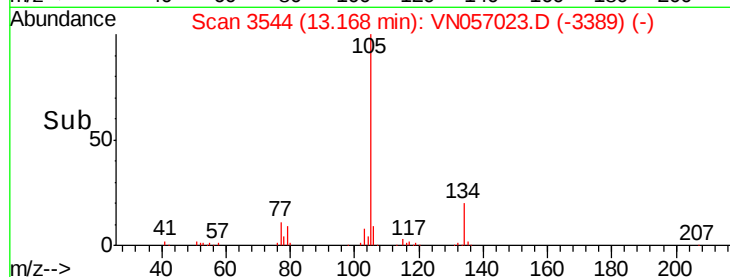
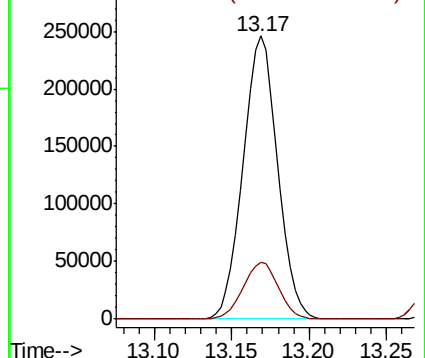
105 100

134 20.5 0.0 41.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.494 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

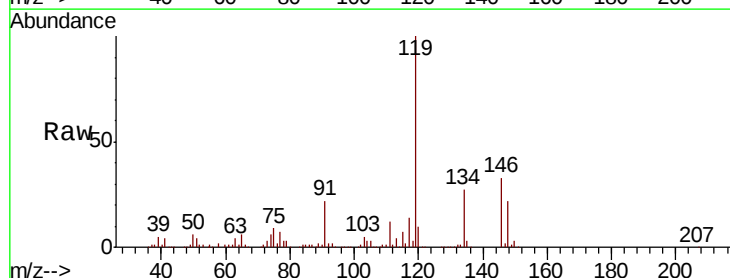
Tgt Ion:119 Resp: 339837

Ion Ratio Lower Upper

119 100

134 27.2 0.0 53.2

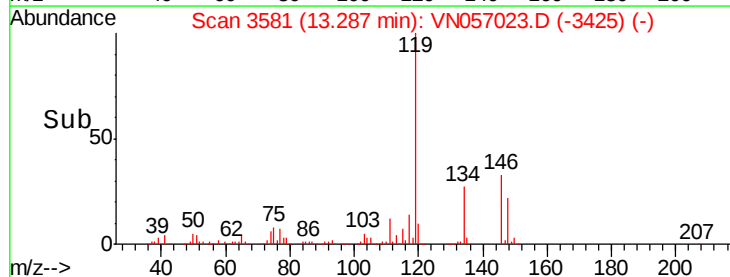
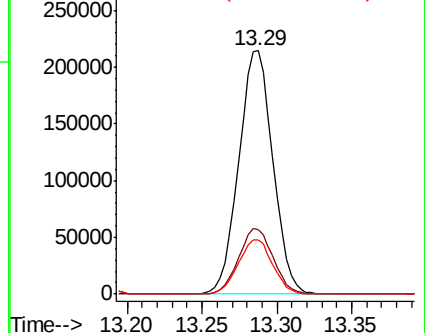
91 22.5 0.0 44.0

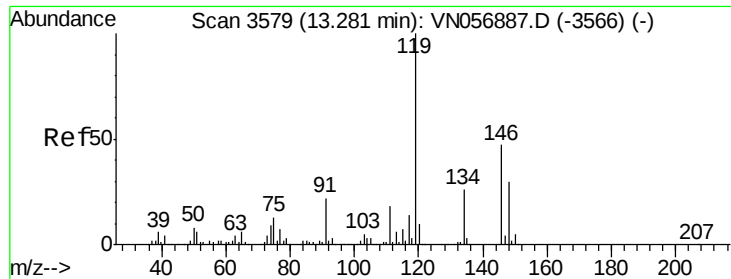


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

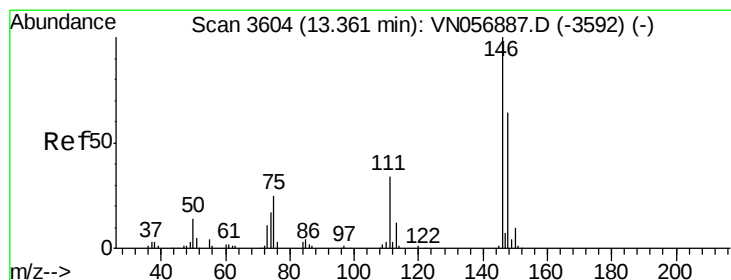
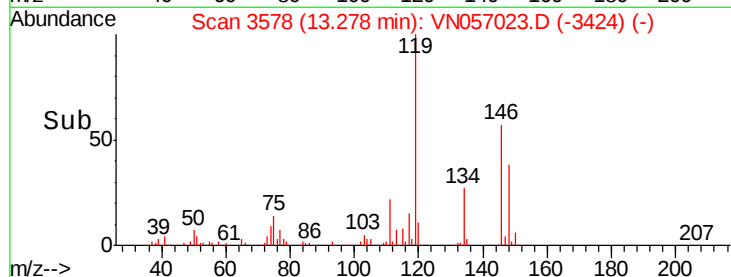
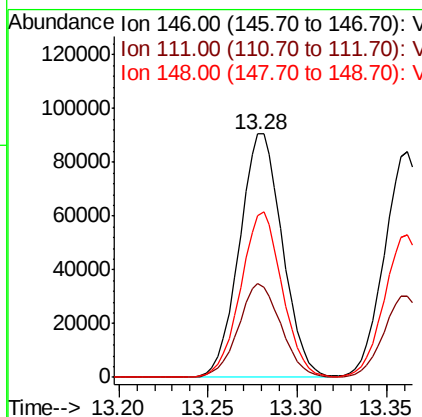
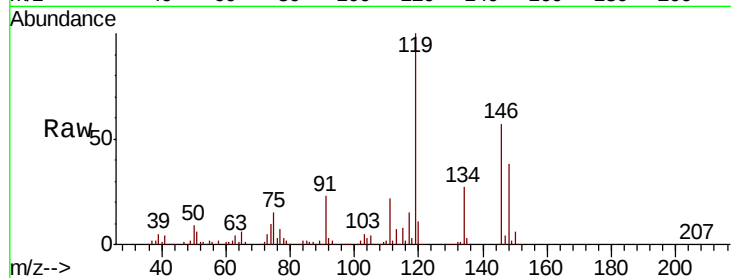




#83
 1,3-Dichlorobenzene
 Concen: 18.370 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

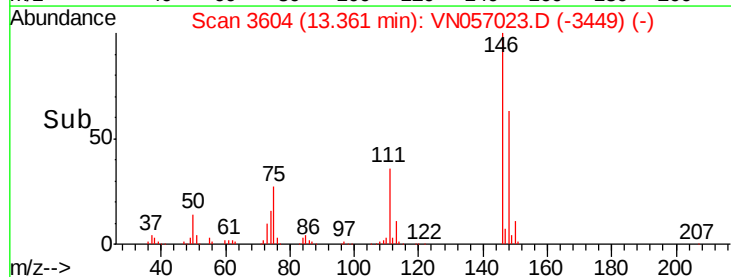
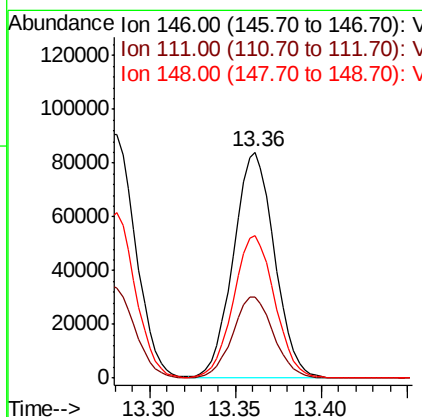
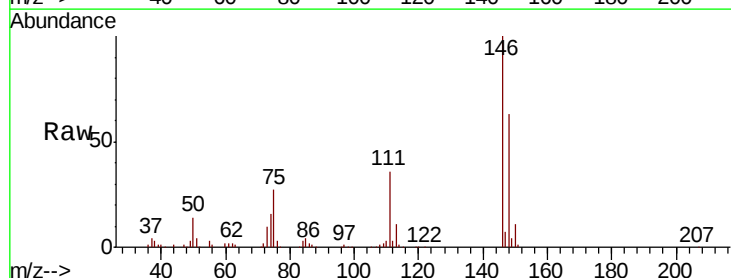
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

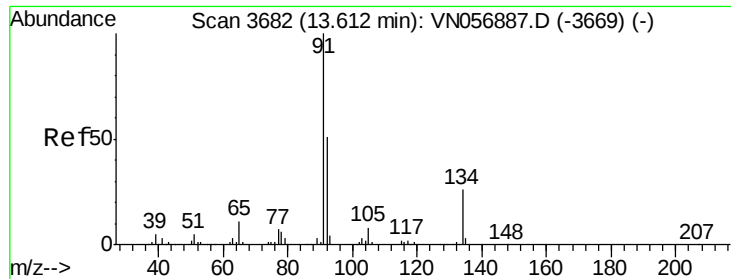
Tot Ion:146 Resp: 152750
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.8 56.4
 148 65.6 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 17.852 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Tgt Ion:146 Resp: 140350
 Ion Ratio Lower Upper
 146 100
 111 35.9 17.8 53.5
 148 63.4 32.6 97.7

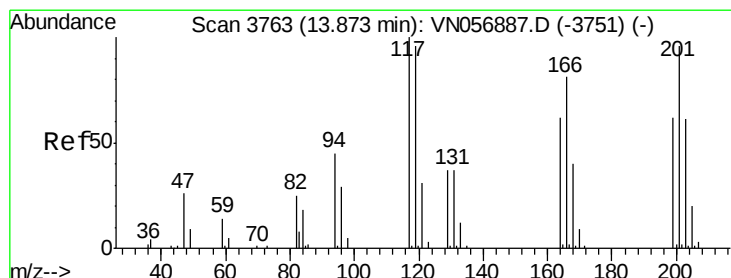
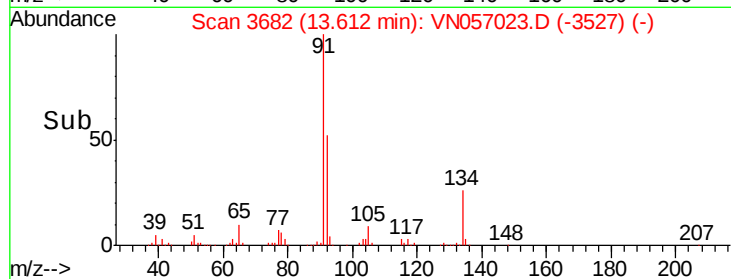
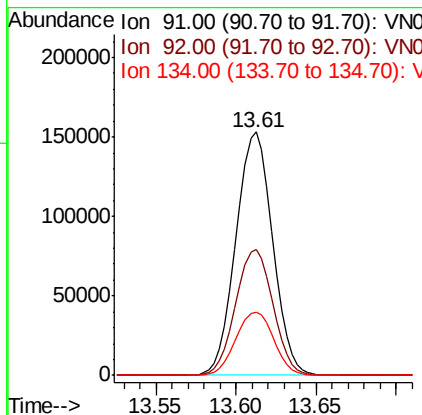
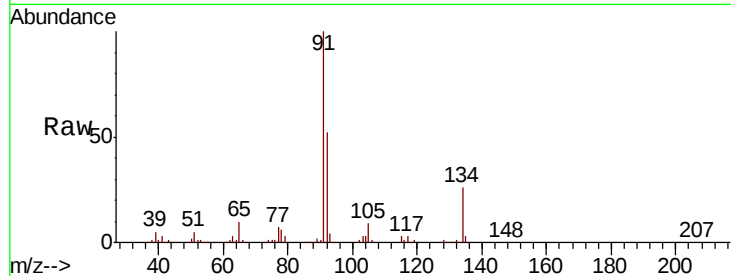




#85
n-Butylbenzene
Concen: 17.479 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

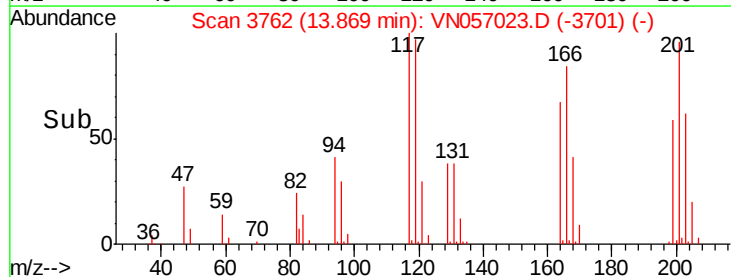
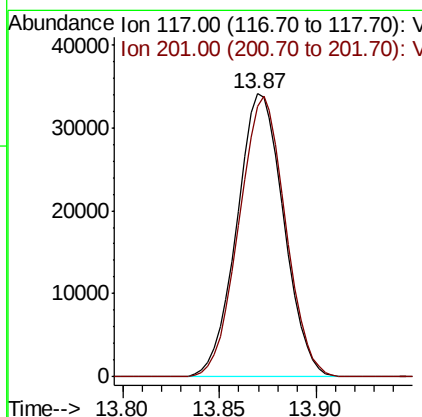
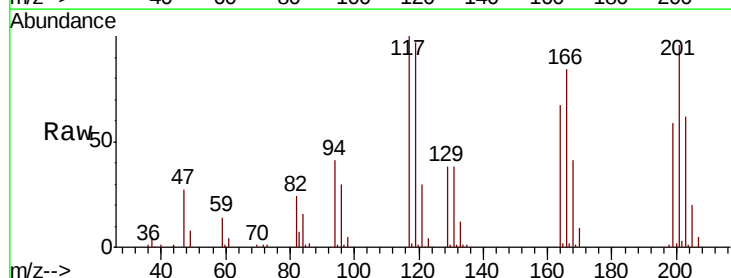
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

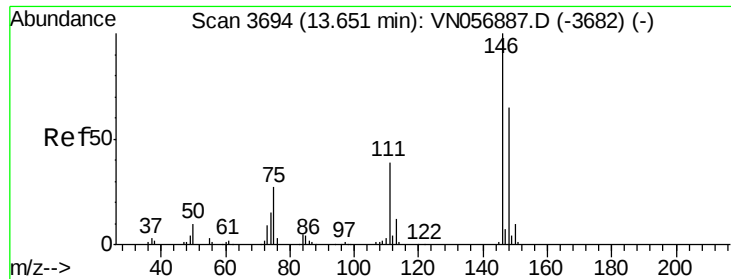
Tot Ion: 91 Resp: 239260
Ion Ratio Lower Upper
91 100
92 52.6 0.0 101.8
134 27.1 0.0 52.4



#86
Hexachloroethane
Concen: 19.685 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion: 117 Resp: 57430
Ion Ratio Lower Upper
117 100
201 97.9 47.8 143.3

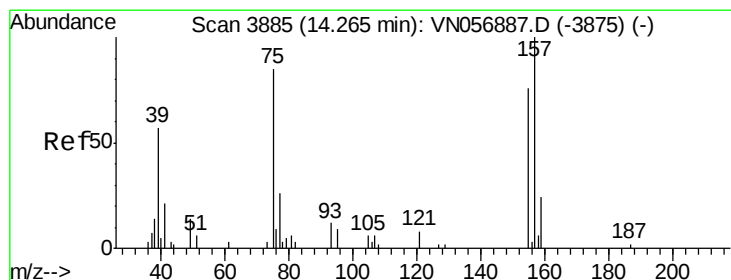
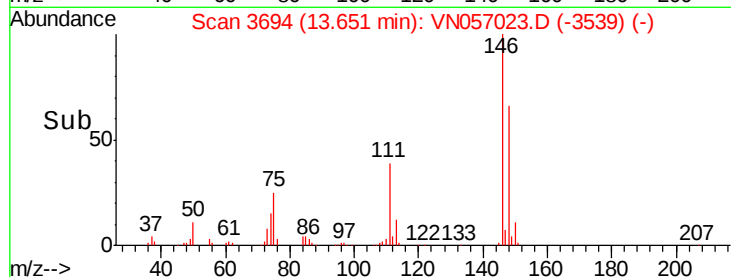
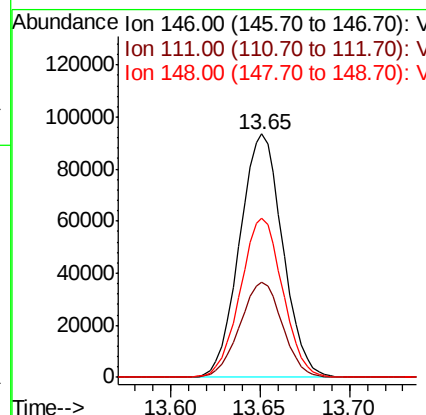
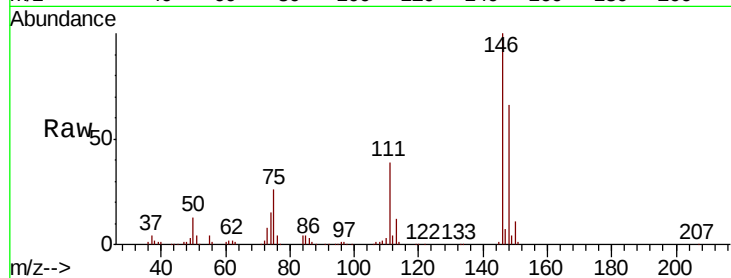




#87
 1,2-Dichlorobenzene
 Concen: 19.067 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

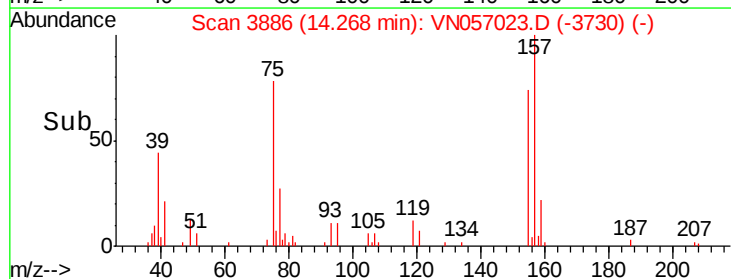
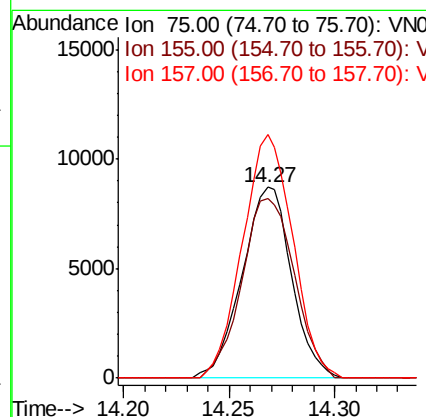
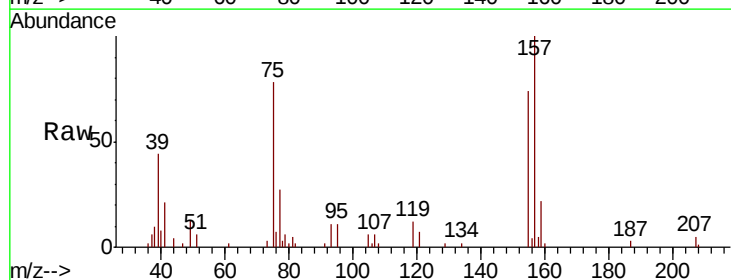
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

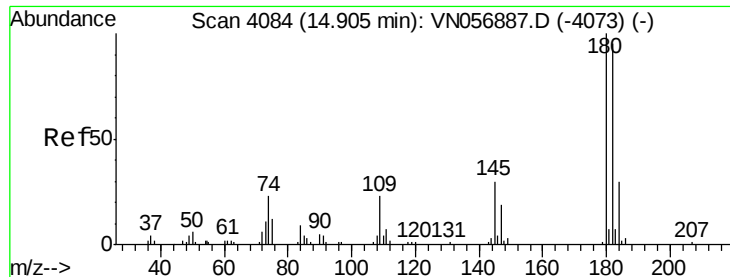
Tot Ion:146 Resp: 157479
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.6 58.8
 148 64.5 32.5 97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.021 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Tgt Ion: 75 Resp: 14208
 Ion Ratio Lower Upper
 75 100
 155 100.1 73.4 110.2
 157 129.4 95.0 142.6

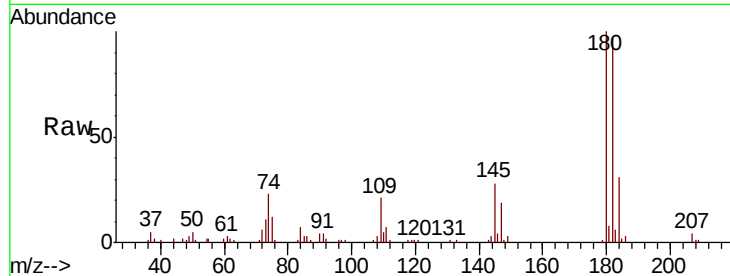




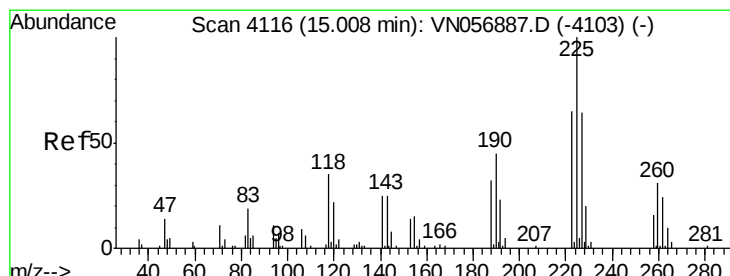
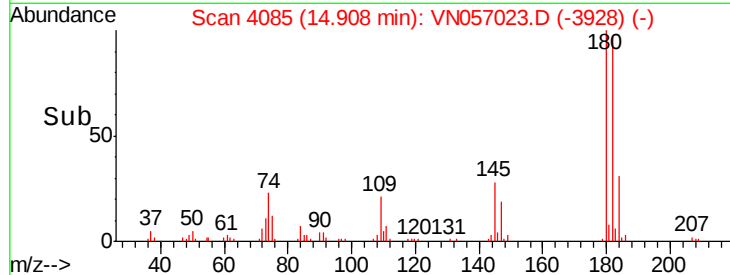
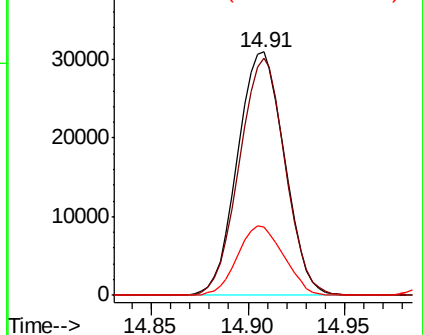
#89
 1,2,4-Trichlorobenzene
 Concen: 17.204 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:180 Resp: 52269
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.0 115.4
 145 28.0 23.5 35.3

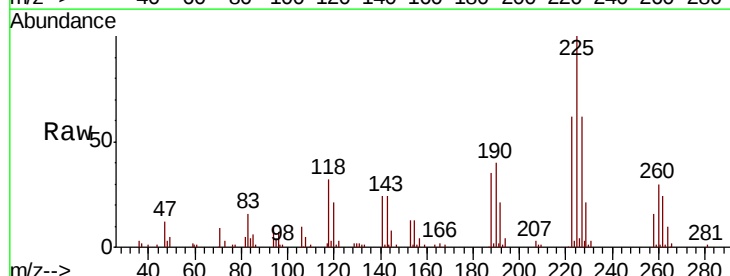


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

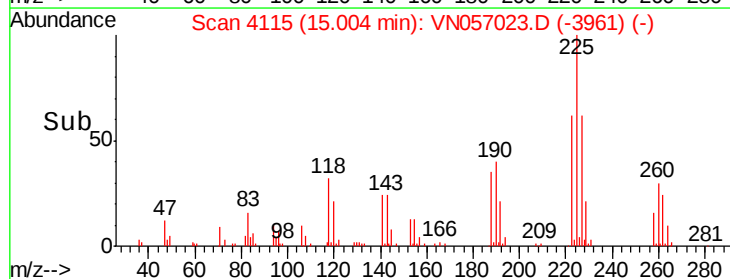
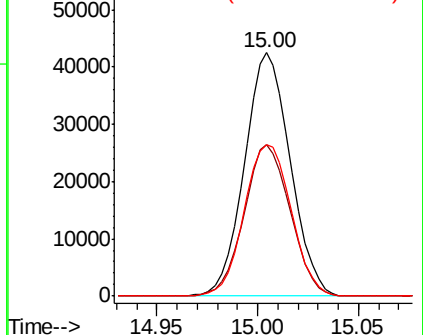


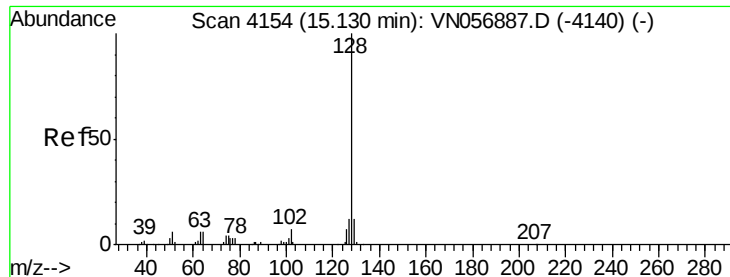
#90
 Hexachlorobutadiene
 Concen: 22.245 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Tgt Ion:225 Resp: 67533
 Ion Ratio Lower Upper
 225 100
 223 62.5 0.0 130.0
 227 63.9 0.0 127.2



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 15.692 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

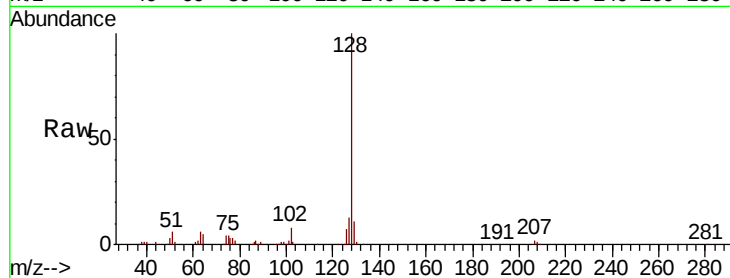
Tot Ion:128 Resp: 116967

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

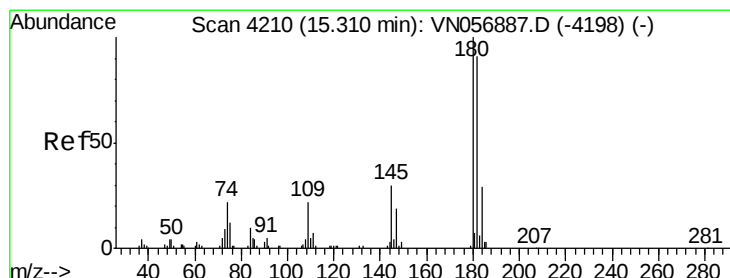
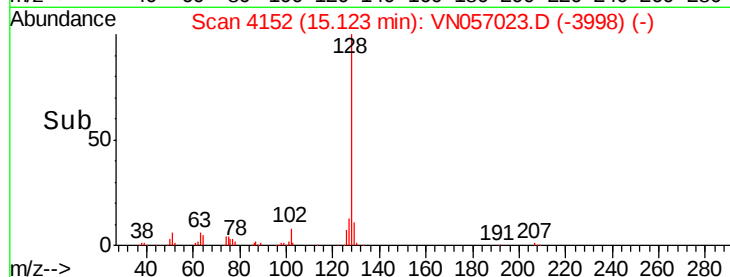
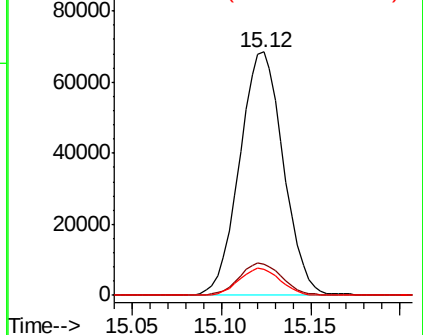
129 10.4 8.9 13.3



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: 13.966 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.02 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

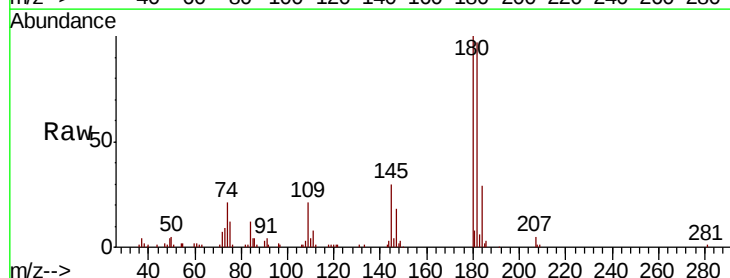
Tgt Ion:180 Resp: 60981

Ion Ratio Lower Upper

180 100

182 97.6 0.0 188.0

145 30.1 0.0 61.0



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

