

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\NOT REVIEWED DATA\
 Data File : VN064285.D
 Acq On : 23 Oct 2020 13:01
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Oct 23 19:15:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 23 15:14:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	54744	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	317455	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	285877	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	148888	31.16	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.87%
60) 4-Bromofluorobenzene	12.38	95	155615	30.58	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.93%
63) Toluene-d8	10.06	98	387967	30.36	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	82081	23.048	ug/l 97
3) Chloromethane	2.04	50	82523	21.940	ug/l 92
4) Vinyl Chloride	2.16	62	80153	21.213	ug/l 96
5) Bromomethane	2.54	94	53534	21.583	ug/l 93
6) Chloroethane	2.67	64	47220	21.310	ug/l 100
7) Trichlorofluoromethane	2.99	101	136124	21.299	ug/l 99
8) Diethyl Ether	3.38	74	44210	20.991	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	69180	21.715	ug/l 89
10) 1,1-Dichloroethene	3.70	96	65895	21.571	ug/l 98
11) Methyl Iodide	3.91	142	87778	20.054	ug/l 97
12) Methyl Acetate	4.28	43	74902	20.968	ug/l 97
13) Acrolein	3.57	56	26268	89.612	ug/l 97
14) Acrylonitrile	4.93	53	141630	102.446	ug/l 98
15) Acetone	3.77	58	47443	107.207	ug/l 89
16) Carbon Disulfide	4.01	76	184749	20.874	ug/l 95
17) Allyl chloride	4.28	41	117895	20.132	ug/l 92
18) Methylene Chloride	4.50	84	72631	20.337	ug/l 91
19) trans-1,2-Dichloroethene	4.99	96	73105	21.053	ug/l 96
20) Diisopropyl ether	5.90	45	236458	21.190	ug/l 92
21) 1,1-Dichloroethane	5.80	63	140919	21.173	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	83122	20.866	ug/l # 90
23) tert-Butyl Alcohol	4.73	59	66446	103.654	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	220206	20.755	ug/l 96
25) Chloroform	7.33	83	149634	20.773	ug/l 94
26) Cyclohexane	7.61	56	109444	21.205	ug/l 96
29) 1,1-Dichloropropene	7.75	75	113209	20.629	ug/l 97
30) 2-Butanone	6.78	43	249175	103.384	ug/l # 96
31) 2,2-Dichloropropane	6.77	77	143668	20.917	ug/l # 88
32) 1,1,1-Trichloroethane	7.53	97	143741	20.499	ug/l 96
33) Carbon Tetrachloride	7.73	117	129318	20.586	ug/l 93
34) Benzene	8.00	78	305303	20.357	ug/l 97
35) Methacrylonitrile	7.12	41	50535	20.797	ug/l 95
36) 1,2-Dichloroethane	8.09	62	130150	20.354	ug/l 100
37) Trichloroethene	8.80	130	85420	20.697	ug/l 95
38) Methylcyclohexane	9.05	83	102252	20.409	ug/l 96
39) 1,2-Dichloropropane	9.08	63	81716	20.381	ug/l 100
40) Dibromomethane	9.17	93	58879	20.990	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	127418	20.946	ug/l	93
42) Vinyl Acetate	5.84	43	1083393	101.914	ug/l	100
43) Ethyl Acetate	6.88	43	101795	19.951	ug/l	96
45) 1,4-Dioxane	9.16	88	22753	407.102	ug/l	93
46) Methyl methacrylate	9.16	41	91414	20.659	ug/l	93
47) n-amyl Acetate	12.04	43	154680	19.590	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	140504	20.689	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	142655	20.226	ug/l	95
50) 1,1,2-Trichloroethane	10.53	97	74953	20.285	ug/l	95
51) Ethyl methacrylate	10.40	69	112472	19.790	ug/l	87
52) 1,3-Dichloropropane	10.68	76	134624	20.605	ug/l	98
53) Dibromochloromethane	10.87	129	93047	20.155	ug/l	92
54) 1,2-Dibromoethane	10.97	107	79254	20.072	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	185796	67.284	ug/l	99
56) Bromoform	12.10	173	63788	19.543	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	508484	103.203	ug/l	100
59) 2-Hexanone	10.72	43	388802	104.077	ug/l	98
61) Tetrachloroethene	10.60	164	83210	20.832	ug/l	99
62) Toluene	10.12	91	337768	20.524	ug/l	99
64) Chlorobenzene	11.41	112	213680	20.931	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.48	131	83919	20.579	ug/l	98
66) Ethyl Benzene	11.48	91	383761	20.339	ug/l	97
67) m/p-Xylenes	11.59	106	286547	40.954	ug/l	99
68) o-Xylene	11.92	106	138939	20.450	ug/l	95
69) Styrene	11.94	104	229851	20.319	ug/l	98
70) Isopropylbenzene	12.22	105	367609	20.466	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	97583	20.254	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	152351	30.451	ug/l	62
73) Bromobenzene	12.50	156	89144	20.402	ug/l	97
74) n-propylbenzene	12.57	91	426084	20.673	ug/l	98
75) 2-Chlorotoluene	12.65	91	256665	20.168	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	311212	20.442	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	38415	19.856	ug/l	79
78) 4-Chlorotoluene	12.75	91	270928	20.419	ug/l	100
79) tert-butylbenzene	12.97	119	256966	20.653	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	314027	20.324	ug/l	99
81) sec-Butylbenzene	13.14	105	334785	20.728	ug/l	98
82) p-Isopropyltoluene	13.26	119	303556	20.480	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	156487	20.305	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	159239	20.291	ug/l	99
85) n-Butylbenzene	13.59	91	267958	20.545	ug/l	97
86) Hexachloroethane	13.85	117	50413	20.144	ug/l	95
87) 1,2-Dichlorobenzene	13.63	146	152460	20.275	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	23703	20.189	ug/l	94
89) 1,2,4-Trichlorobenzene	14.88	180	86554	20.178	ug/l	93
90) Hexachlorobutadiene	14.98	225	48660	20.717	ug/l	99
91) Naphthalene	15.10	128	255487	20.367	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	84999	20.662	ug/l	97

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QLast Update : Fri Oct 23 15:14:21 2020
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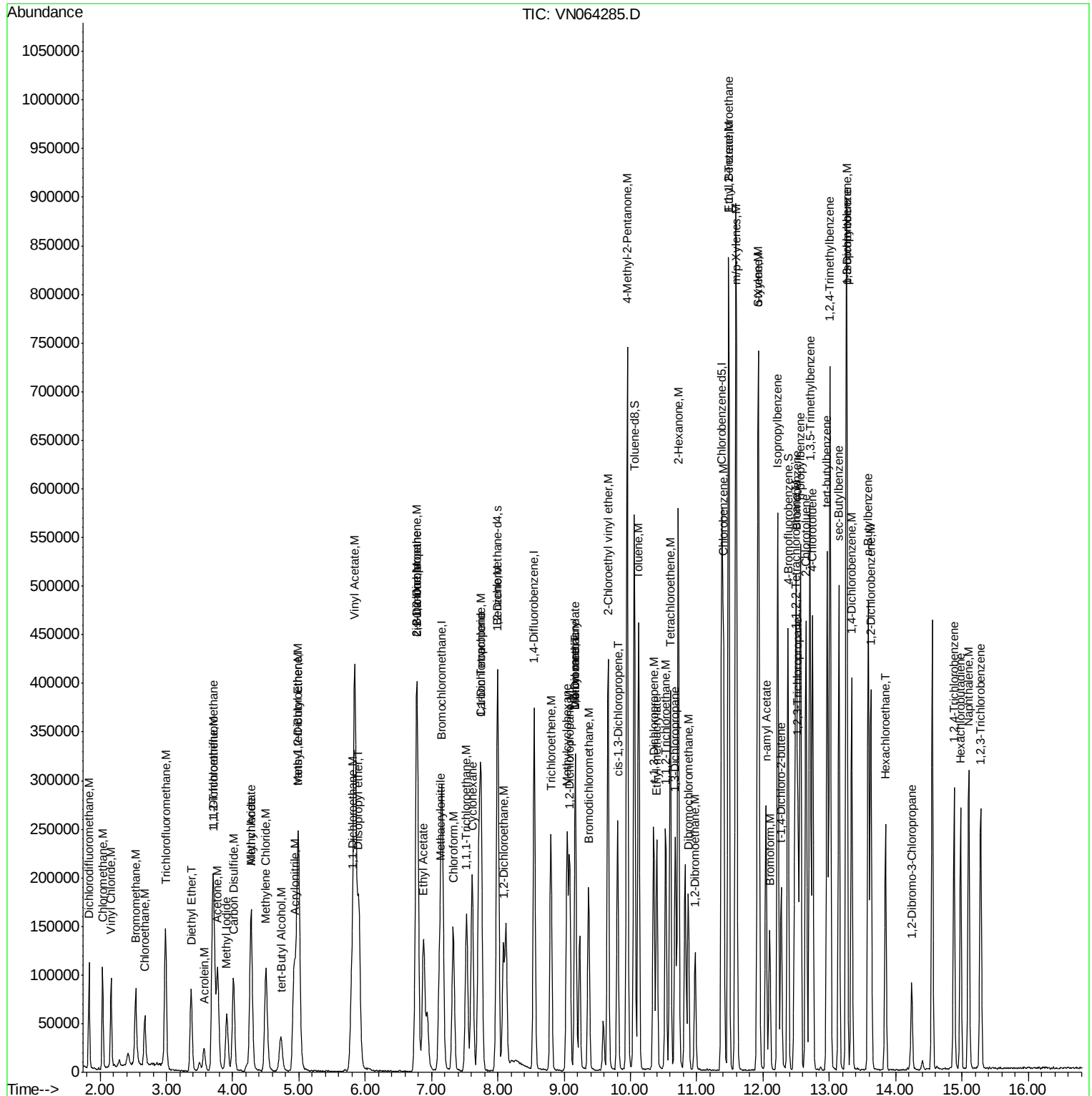
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

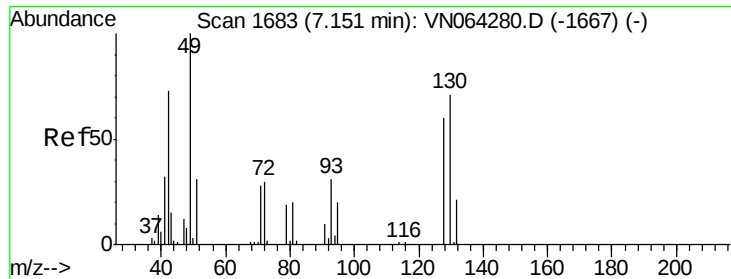
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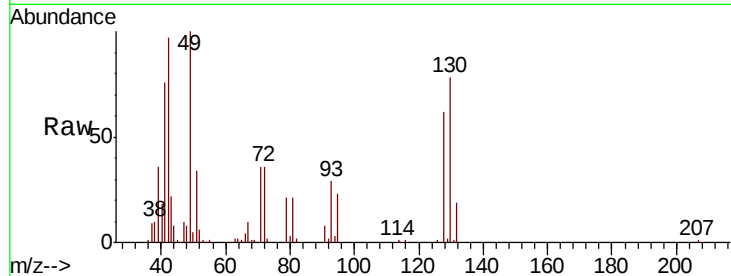




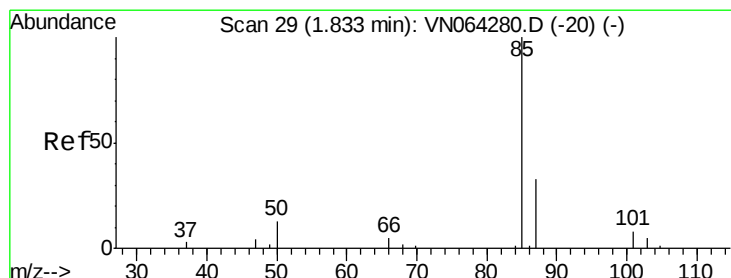
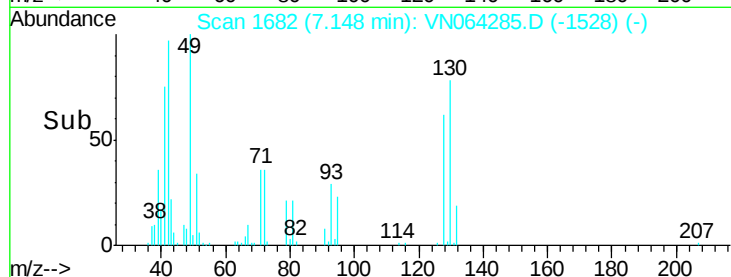
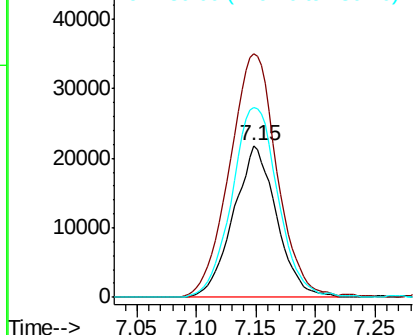
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

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ClientSampleId :
VSTDICCC020

Tot Ion:128 Resp: 54744
Ion Ratio Lower Upper
128 100
49 176.1 0.0 445.0
130 133.6 0.0 320.2

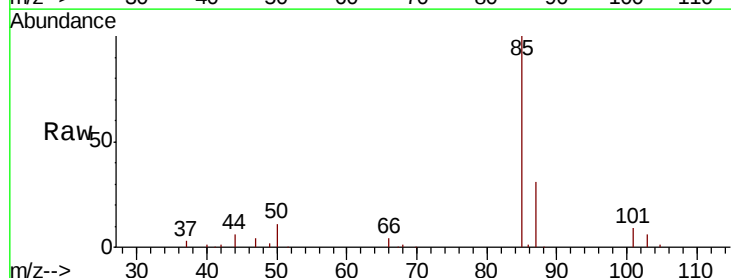


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

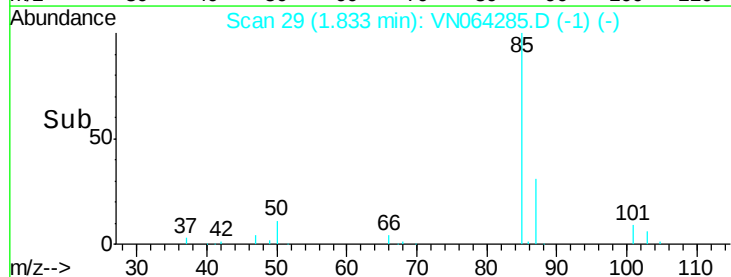
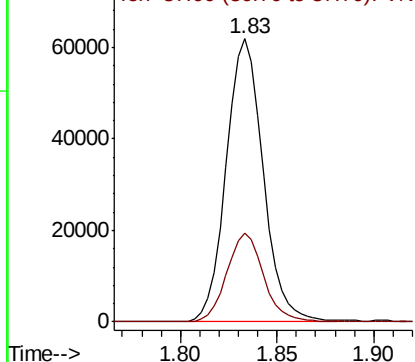


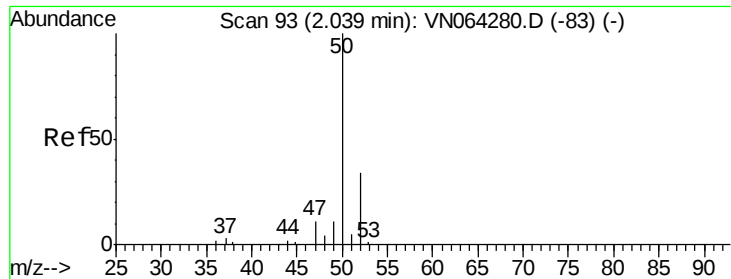
#2
Dichlorodifluoromethane
Concen: 23.048 ug/l
RT: 1.83 min Scan# 29
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion: 85 Resp: 82081
Ion Ratio Lower Upper
85 100
87 31.2 16.4 49.2



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

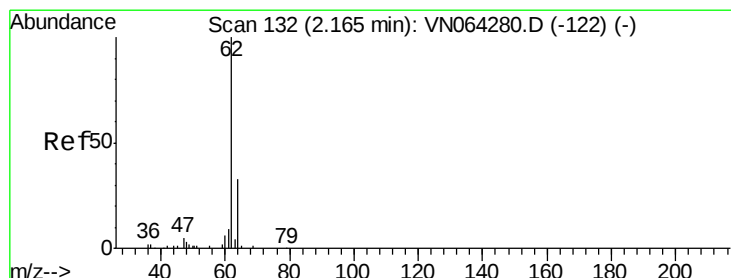
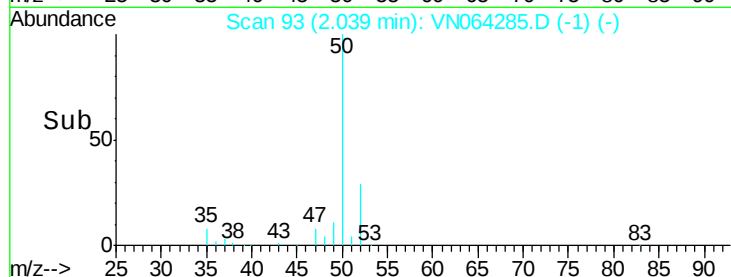
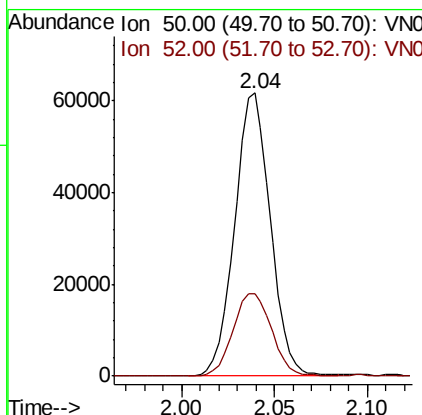
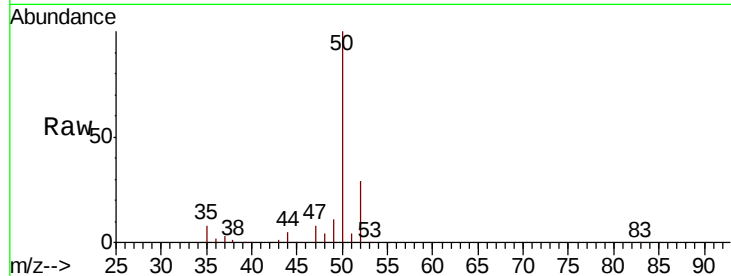




#3
 Chloromethane
 Concen: 21.940 ug/l
 RT: 2.04 min Scan# 93
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

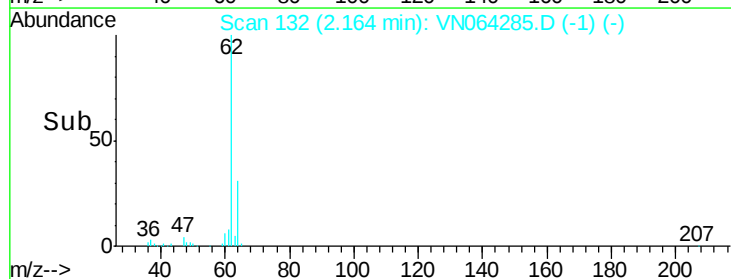
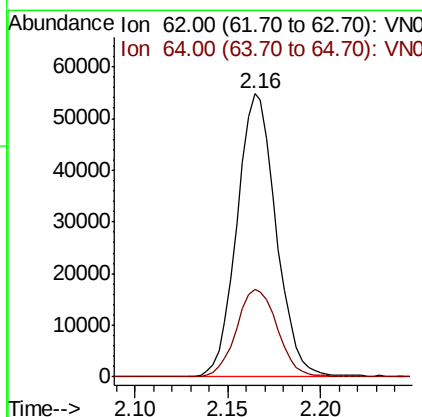
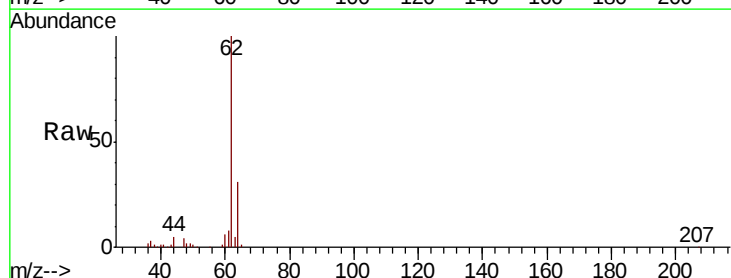
Instrument :
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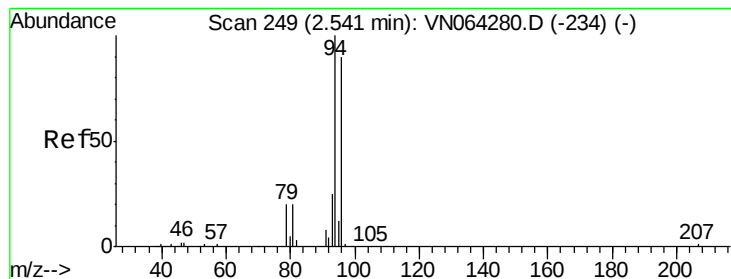
Tot Ion: 50 Resp: 82523
 Ion Ratio Lower Upper
 50 100
 52 29.1 27.1 40.7



#4
 Vinyl Chloride
 Concen: 21.213 ug/l
 RT: 2.16 min Scan# 132
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion: 62 Resp: 80153
 Ion Ratio Lower Upper
 62 100
 64 30.7 26.6 39.8





#5

Bromomethane

Concen: 21.583 ug/l

RT: 2.54 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

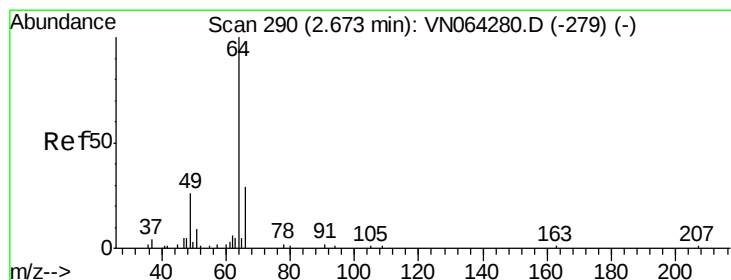
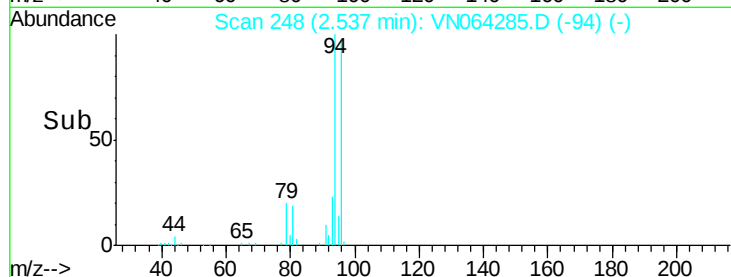
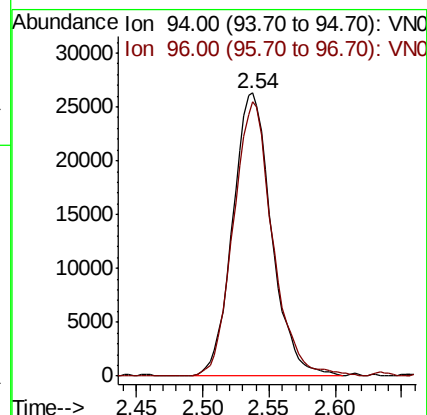
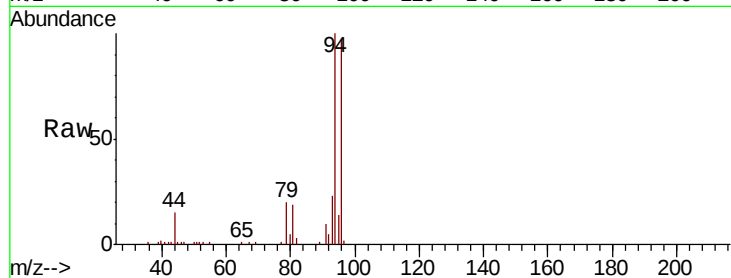
VSTDICCC020

Tot Ion: 94 Resp: 53534

Ion Ratio Lower Upper

94 100

96 97.1 72.4 108.6



#6

Chloroethane

Concen: 21.310 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN064285.D

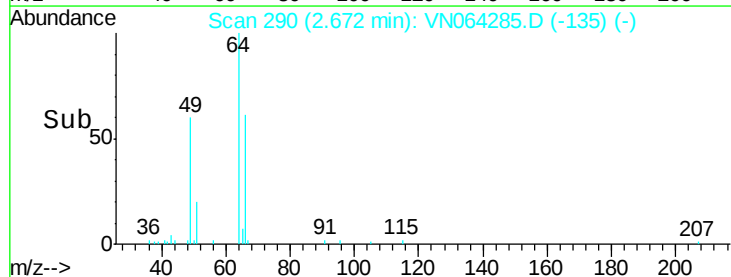
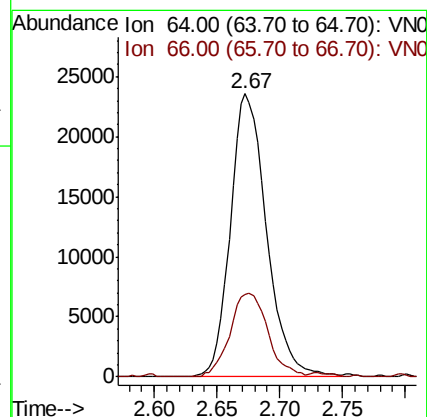
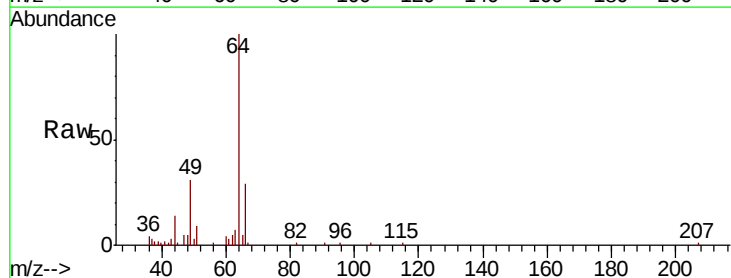
Acq: 23 Oct 2020 13:01

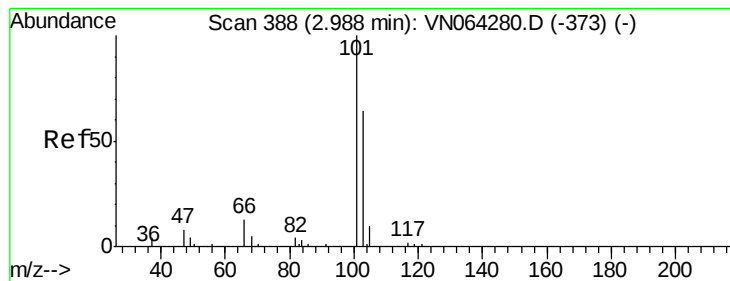
Tgt Ion: 64 Resp: 47220

Ion Ratio Lower Upper

64 100

66 29.1 23.4 35.2



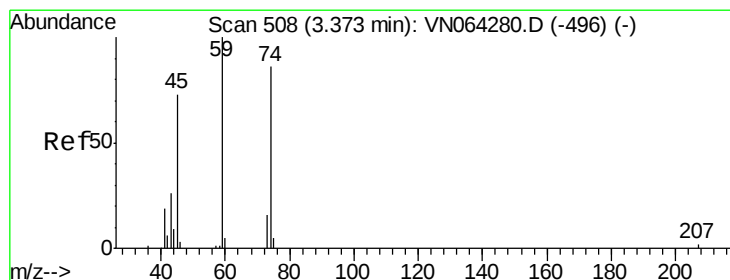
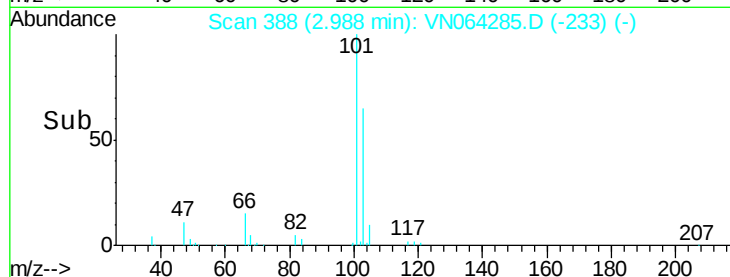
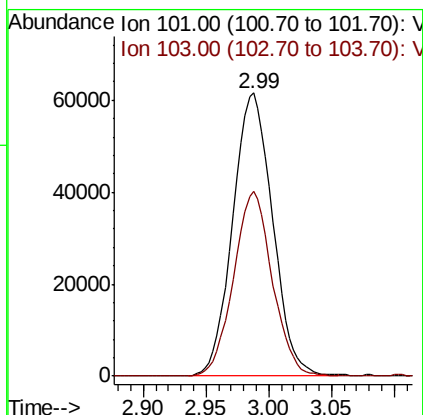
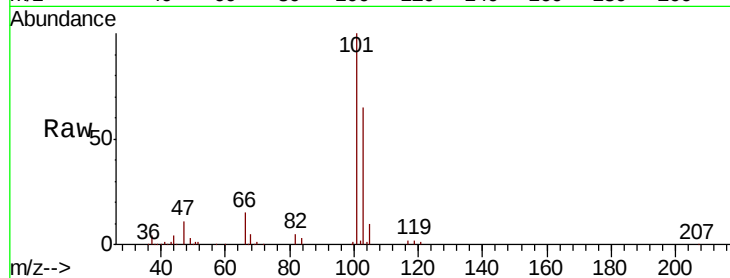


#7

Trichlorofluoromethane
 Concen: 21.299 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Instrument :
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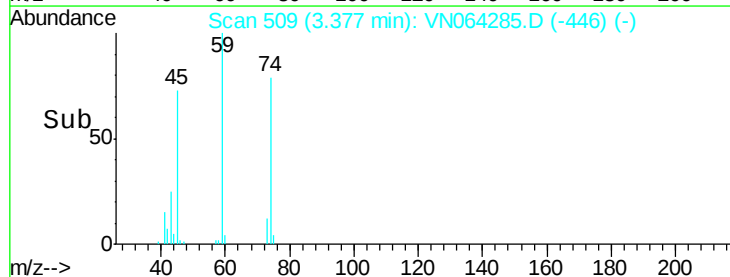
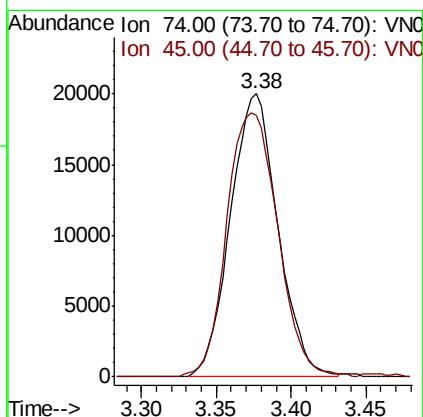
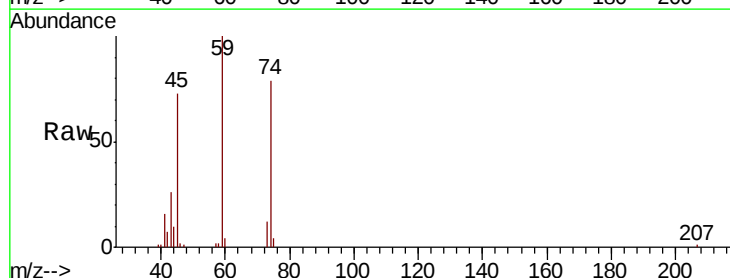
Tot Ion:101 Resp: 136124
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.4 77.0

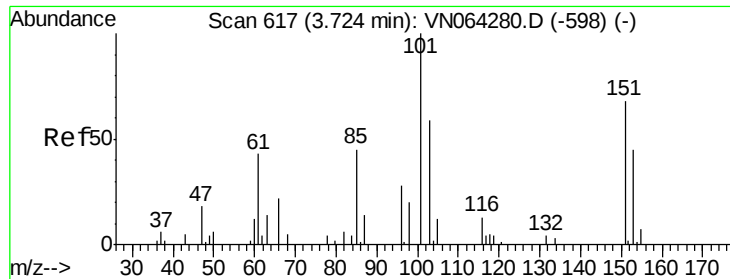


#8

Diethyl Ether
 Concen: 20.991 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion: 74 Resp: 44210
 Ion Ratio Lower Upper
 74 100
 45 100.1 21.3 191.3

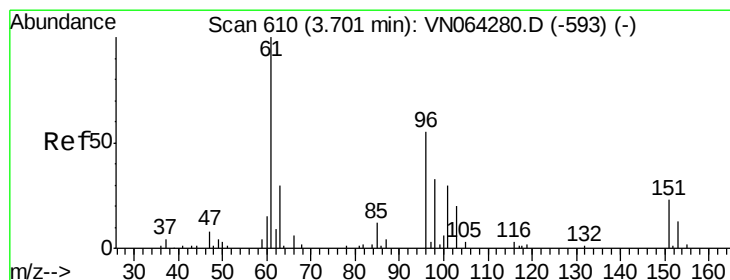
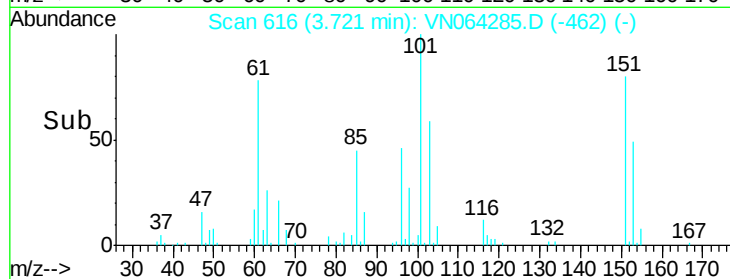
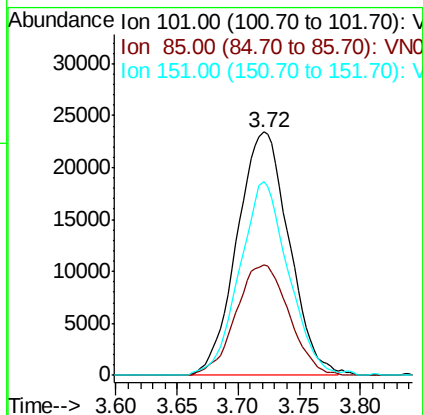
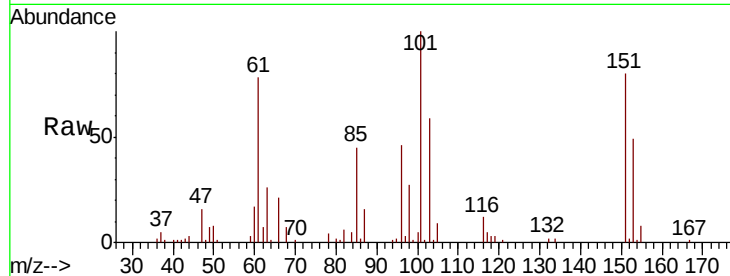




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.715 ug/l
 RT: 3.72 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

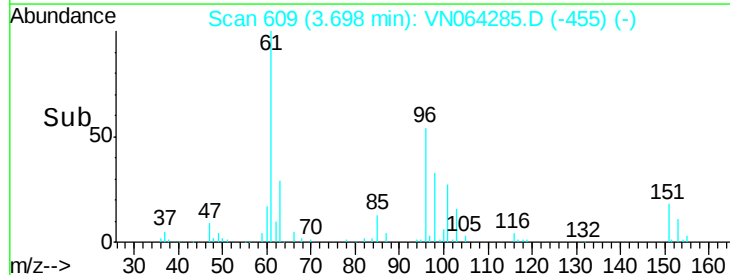
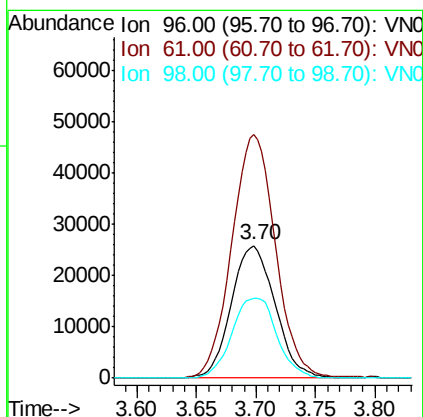
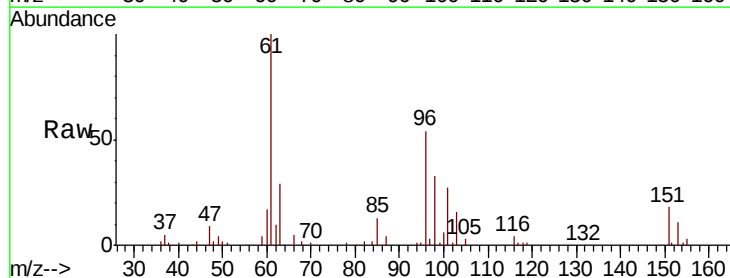
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

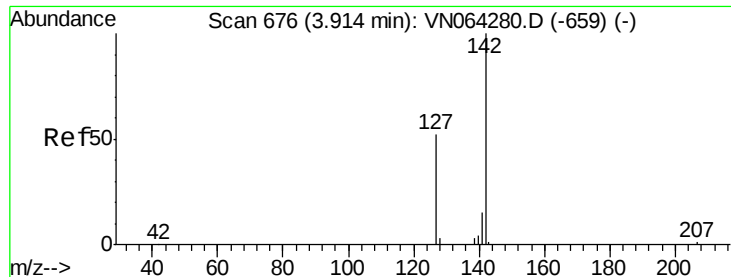
Tot Ion:101 Resp: 69180
 Ion Ratio Lower Upper
 101 100
 85 46.1 0.0 47.4
 151 74.5 0.0 148.4



#10
 1,1-Dichloroethene
 Concen: 21.571 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion: 96 Resp: 65895
 Ion Ratio Lower Upper
 96 100
 61 182.9 144.2 216.4
 98 60.5 47.4 71.0

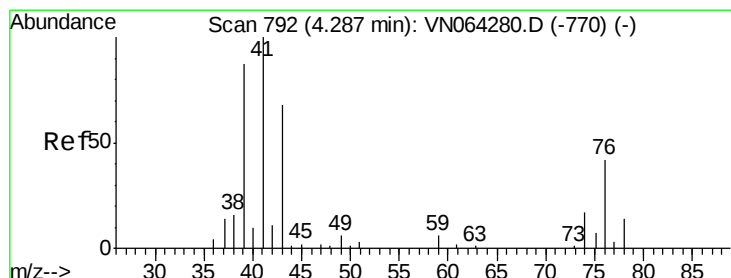
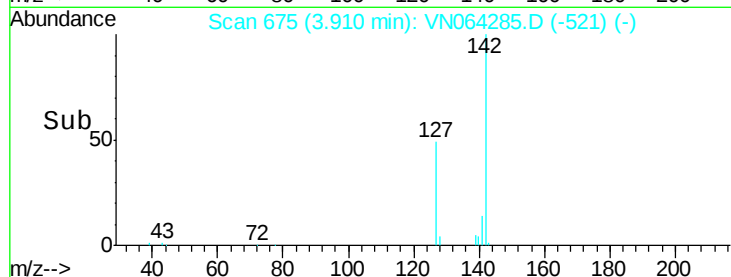
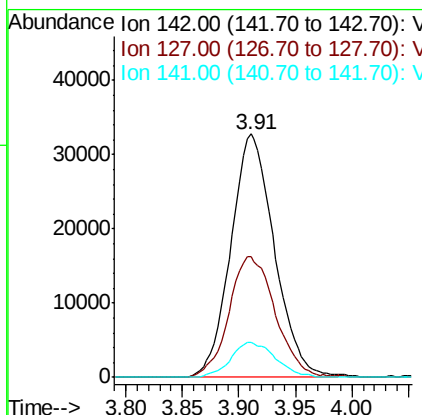
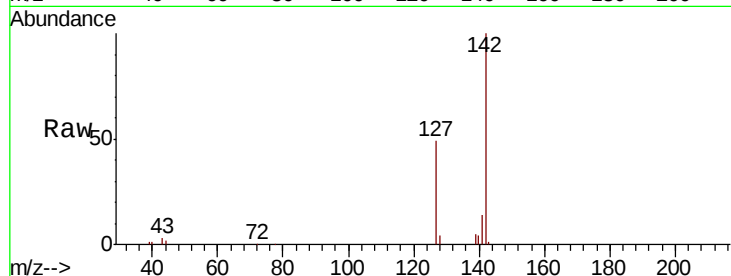




#11
Methvl Iodide
Concen: 20.054 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

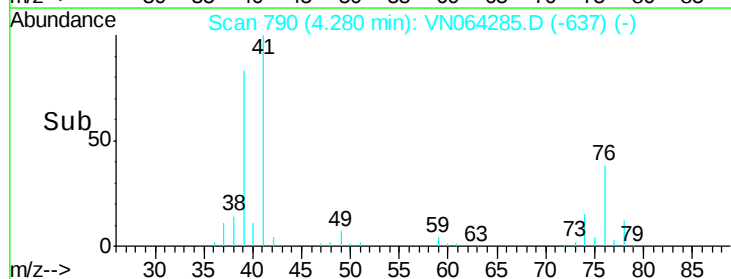
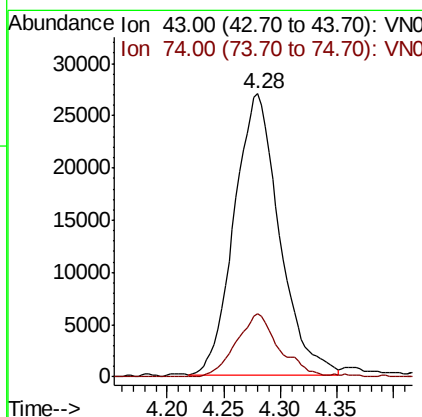
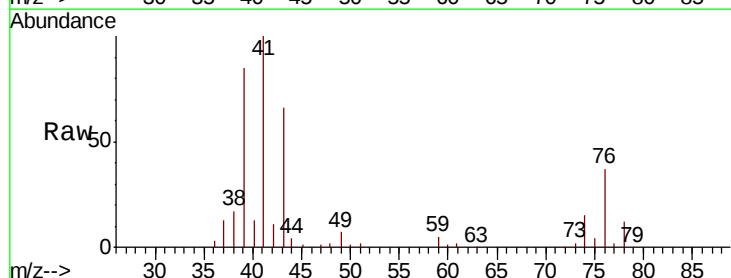
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

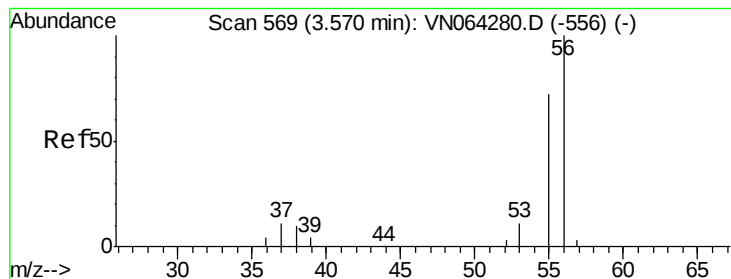
Tot Ion:142 Resp: 87778
Ion Ratio Lower Upper
142 100
127 49.3 25.9 77.8
141 14.4 7.5 22.6



#12
Methyl Acetate
Concen: 20.968 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.01 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion: 43 Resp: 74902
Ion Ratio Lower Upper
43 100
74 22.1 19.0 28.6





#13

Acrolein

Concen: 89.612 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

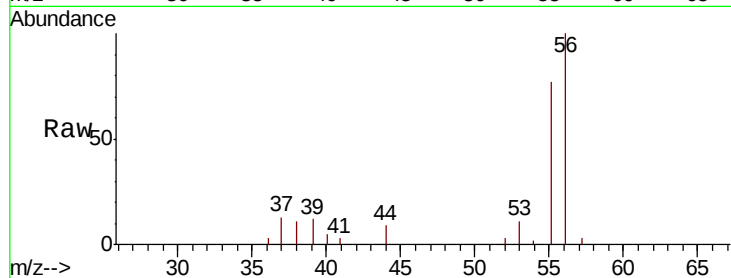
VSTDICCC020

Tot Ion: 56 Resp: 26268

Ion Ratio Lower Upper

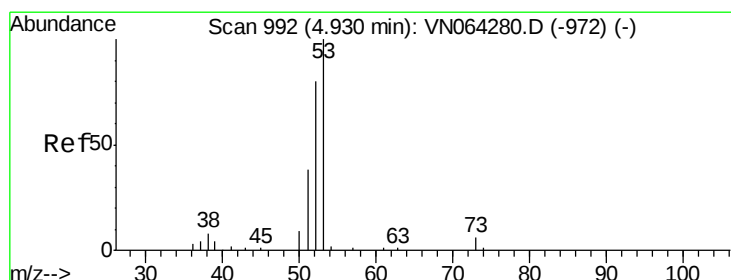
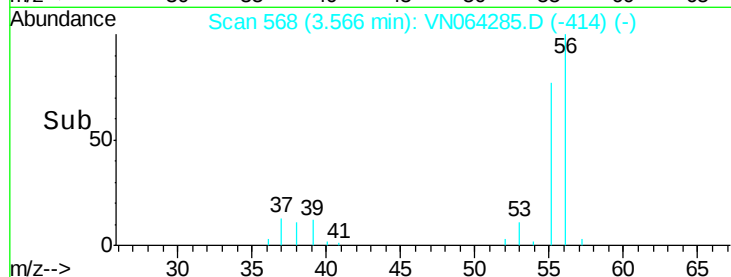
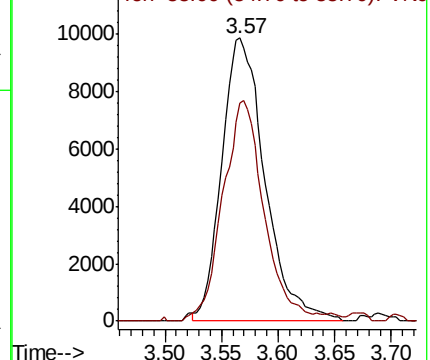
56 100

55 73.7 61.0 91.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 102.446 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

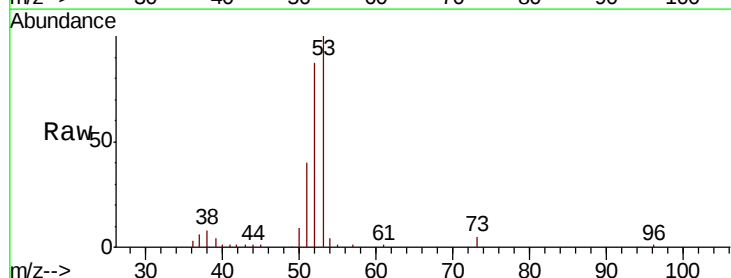
Tgt Ion: 53 Resp: 141630

Ion Ratio Lower Upper

53 100

52 85.3 41.7 125.1

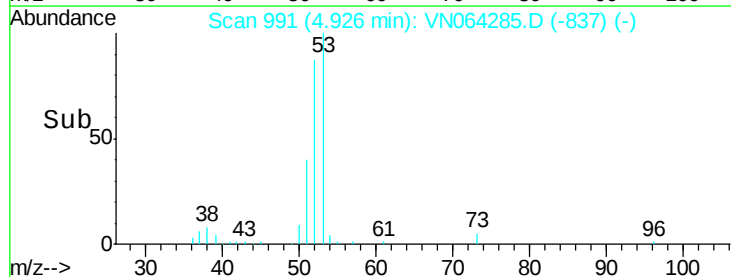
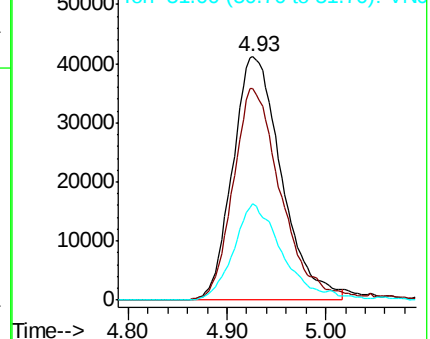
51 38.1 18.9 56.7

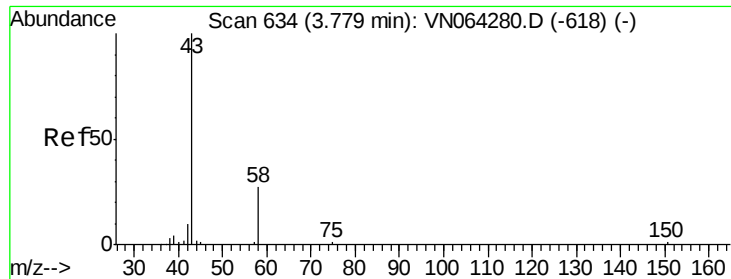


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 107.207 ug/l

RT: 3.77 min Scan# 631

Delta R.T. -0.01 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

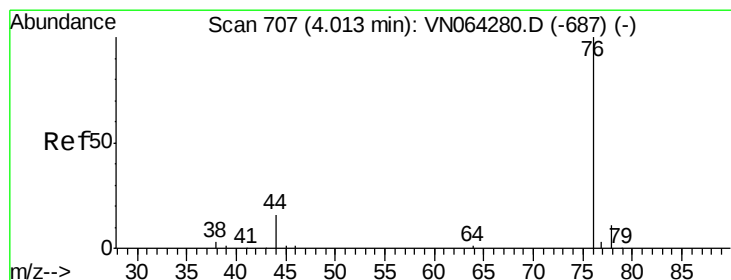
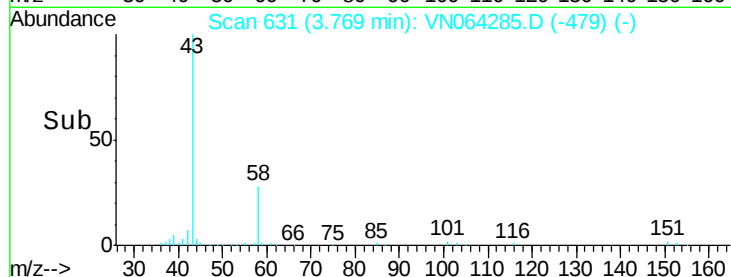
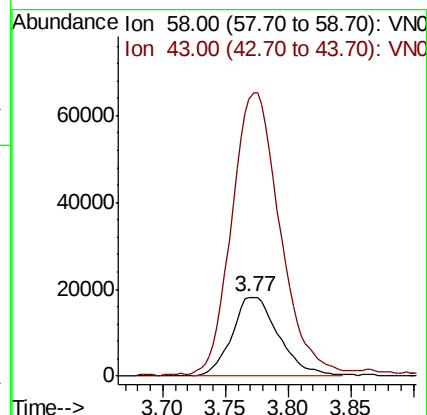
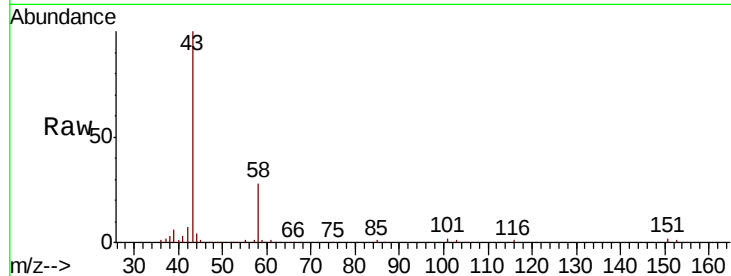
VSTDICCC020

Tot Ion: 58 Resp: 47443

Ion Ratio Lower Upper

58 100

43 347.4 297.4 446.0



#16

Carbon Disulfide

Concen: 20.874 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN064285.D

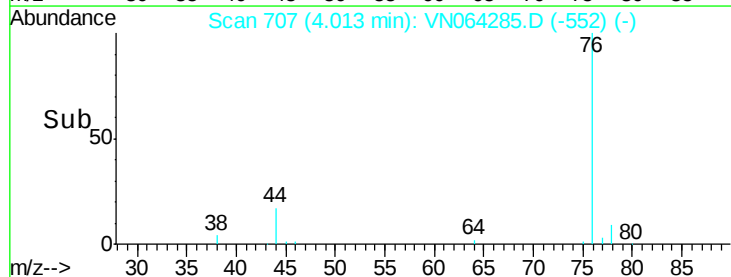
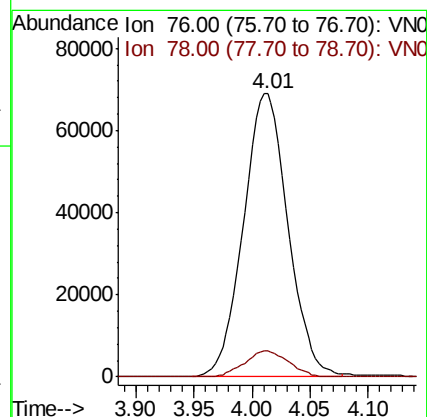
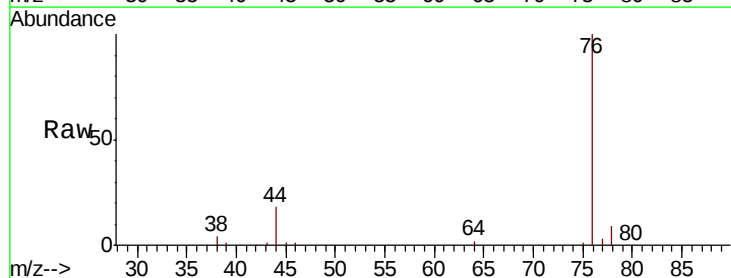
Acq: 23 Oct 2020 13:01

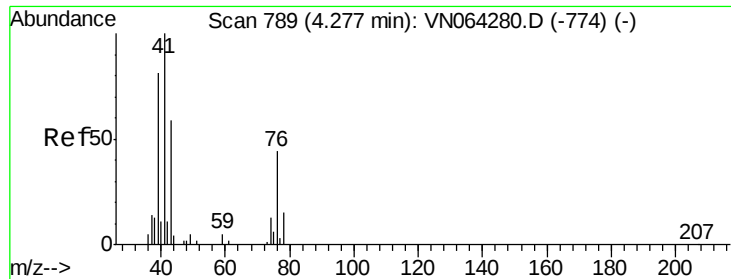
Tgt Ion: 76 Resp: 184749

Ion Ratio Lower Upper

76 100

78 9.4 9.0 13.4

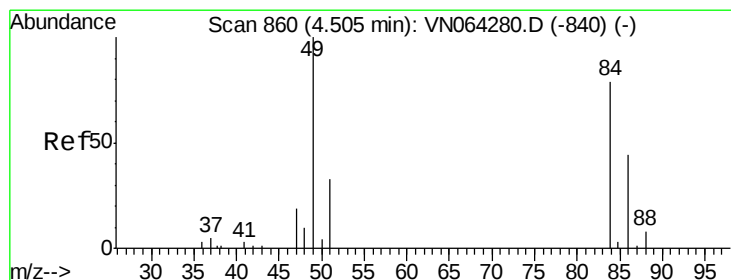
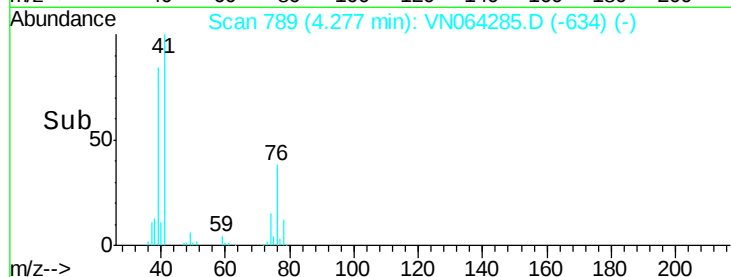
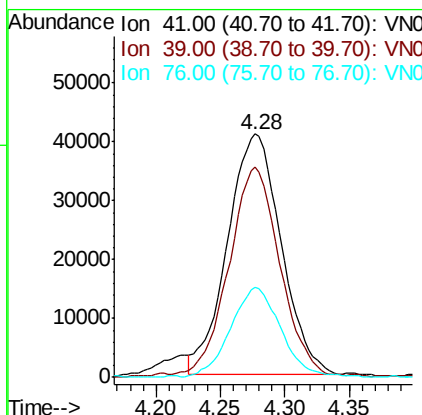
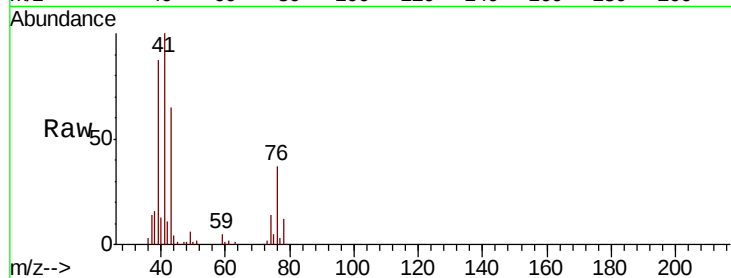




#17
Allvl chloride
Concen: 20.132 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

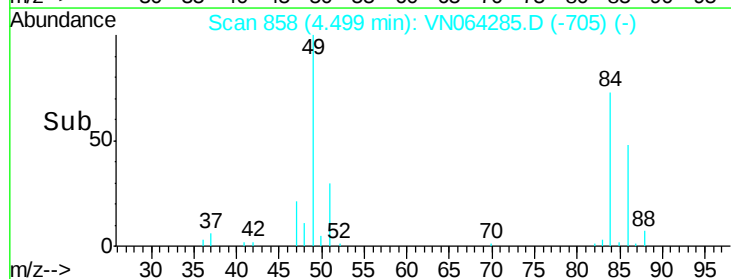
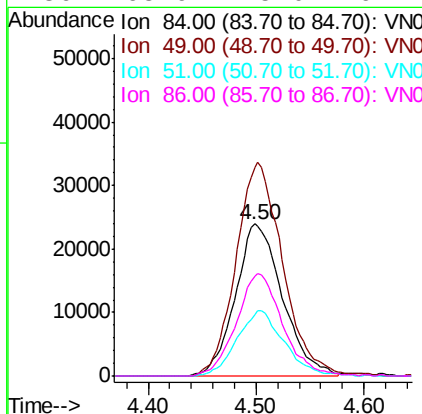
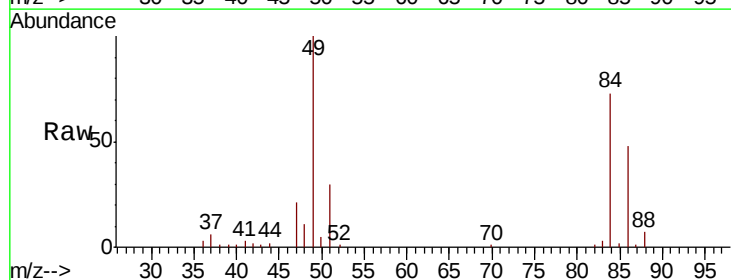
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

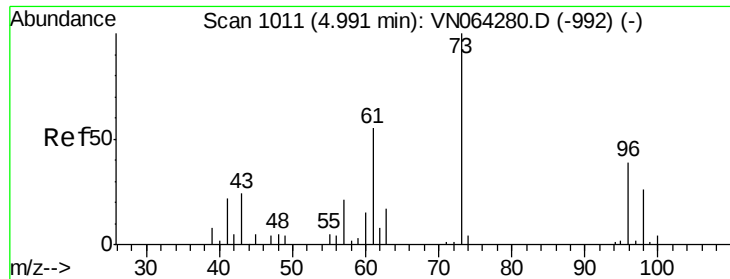
Tot Ion: 41 Resp: 117895
Ion Ratio Lower Upper
41 100
39 86.6 39.9 119.6
76 36.6 21.4 64.2



#18
Methylene Chloride
Concen: 20.337 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion: 84 Resp: 72631
Ion Ratio Lower Upper
84 100
49 137.1 101.1 151.7
51 40.6 33.4 50.0
86 65.9 45.0 67.4

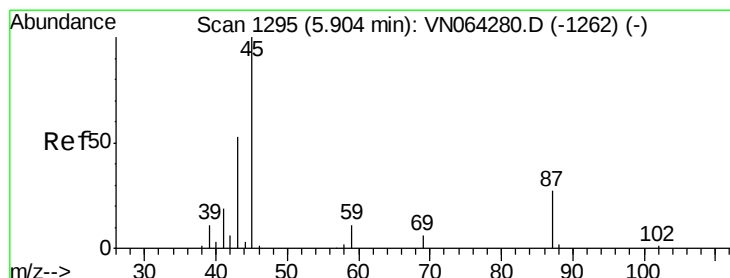
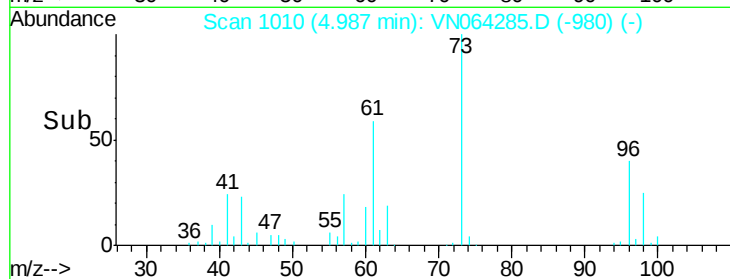
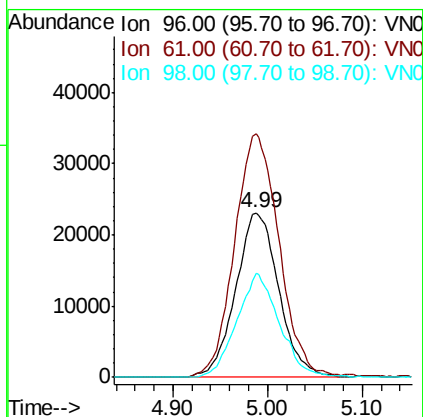
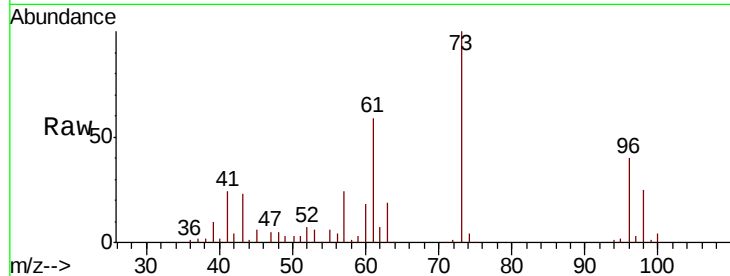




#19
trans-1,2-Dichloroethene
Concen: 21.053 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

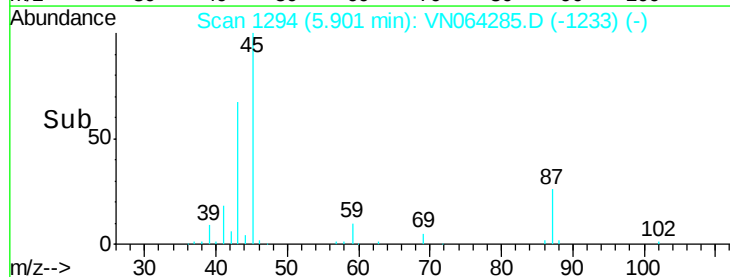
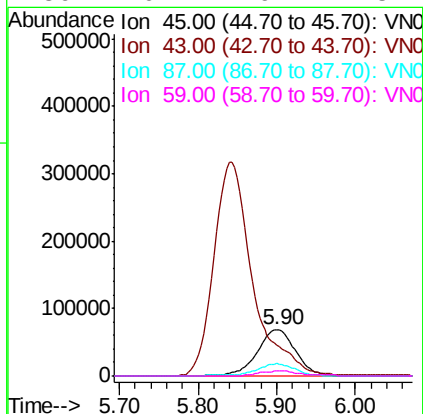
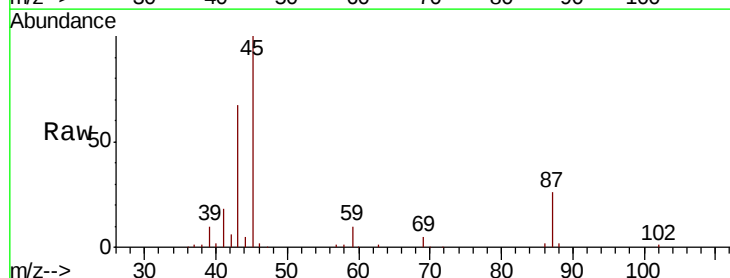
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

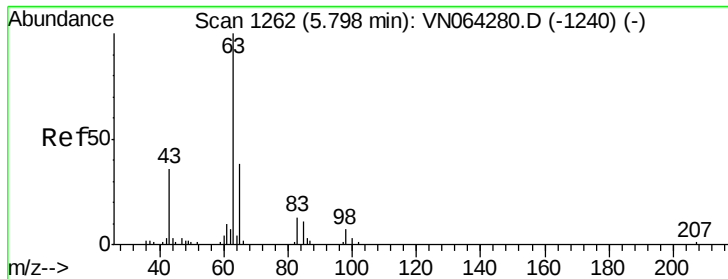
Tot Ion: 96 Resp: 73105
Ion Ratio Lower Upper
96 100
61 147.9 114.2 171.2
98 63.3 52.8 79.2



#20
Diisopropyl ether
Concen: 21.190 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion: 45 Resp: 236458
Ion Ratio Lower Upper
45 100
43 64.1 58.9 88.3
87 26.4 21.0 31.4
59 10.1 9.1 13.7





#21

1,1-Dichloroethane

Concen: 21.173 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

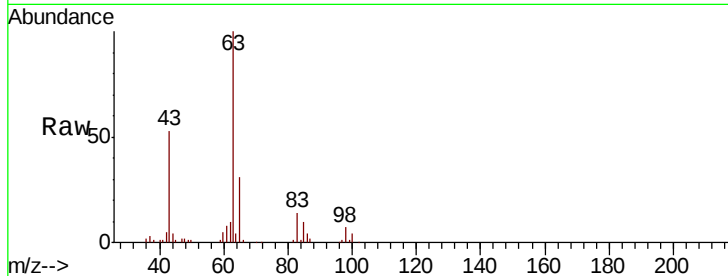
Tot Ion: 63 Resp: 140919

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.6

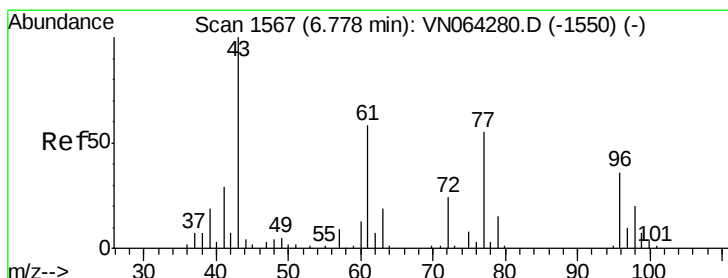
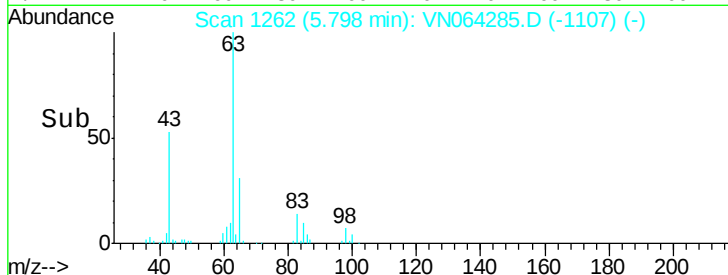
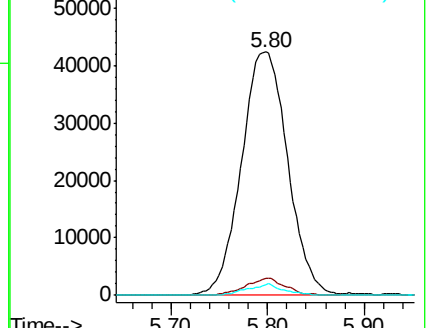
100 4.3 1.6 4.7



Abundance Ion 63.00 (62.70 to 63.70): VN064285.D (-1107) (-)

Ion 98.00 (97.70 to 98.70): VN064285.D (-1107) (-)

Ion 100.00 (99.70 to 100.70): VN064285.D (-1107) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.866 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

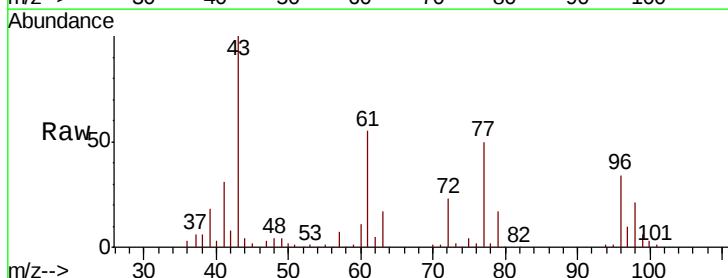
Tgt Ion: 96 Resp: 83122

Ion Ratio Lower Upper

96 100

61 164.0 132.2 198.2

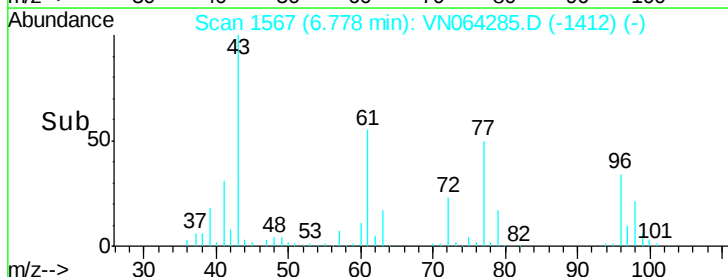
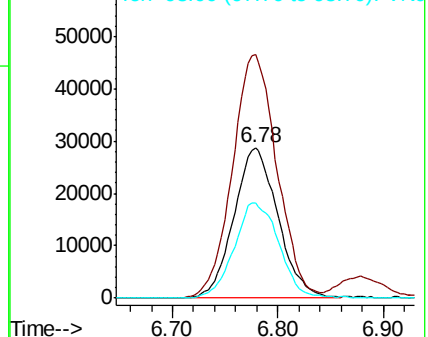
98 64.5 26.5 39.7#

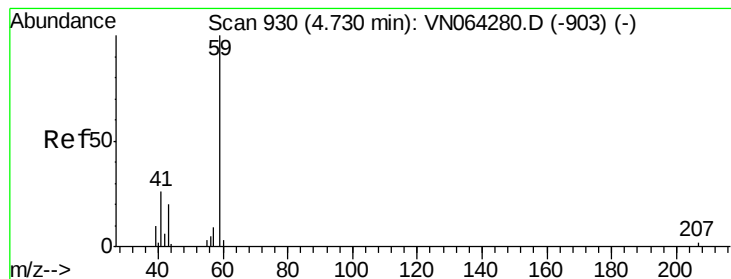


Abundance Ion 96.00 (95.70 to 96.70): VN064285.D (-1412) (-)

Ion 61.00 (60.70 to 61.70): VN064285.D (-1412) (-)

Ion 98.00 (97.70 to 98.70): VN064285.D (-1412) (-)





#23

tert-Butyl Alcohol

Concen: 103.654 ug/l

RT: 4.73 min Scan# 929

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

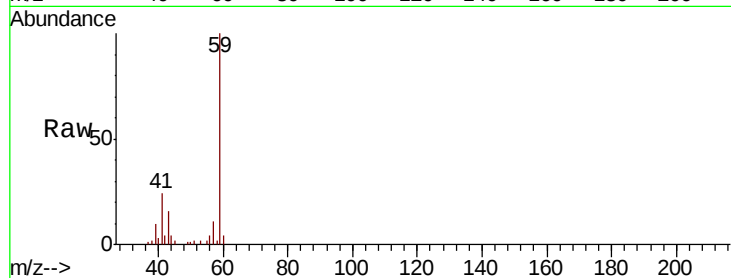
VSTDICCC020

Tot Ion: 59 Resp: 66446

Ion Ratio Lower Upper

59 100

52 0.0 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VN064280.D (-903) (-)

Ion 52.00 (51.70 to 52.70): VN064280.D (-903) (-)

4.73

20000

15000

10000

5000

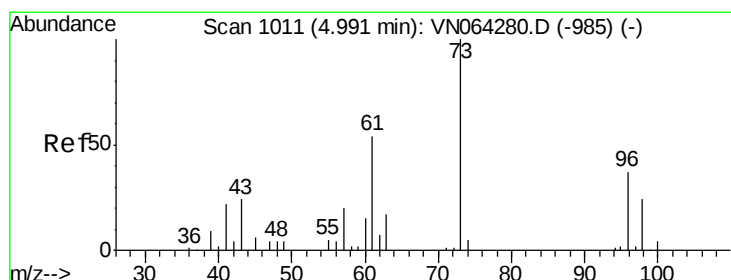
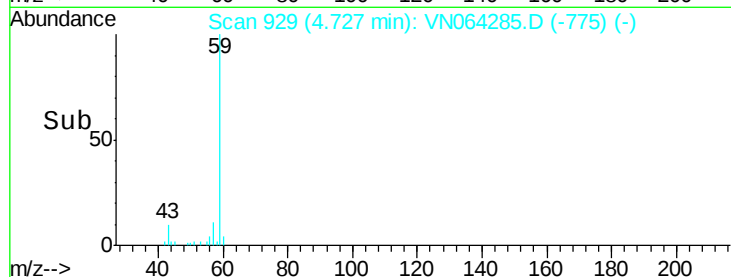
0

Time-->

4.60

4.70

4.80



#24

Methyl tert-Butyl Ether

Concen: 20.755 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VN064285.D

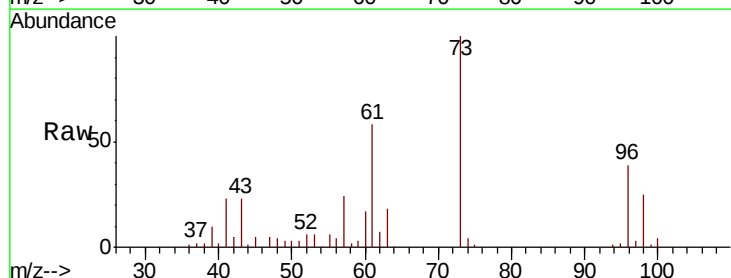
Acq: 23 Oct 2020 13:01

Tgt Ion: 73 Resp: 220206

Ion Ratio Lower Upper

73 100

43 22.5 19.7 29.5



Abundance Ion 73.00 (72.70 to 73.70): VN064280.D (-985) (-)

Ion 43.00 (42.70 to 43.70): VN064280.D (-985) (-)

4.99

60000

40000

20000

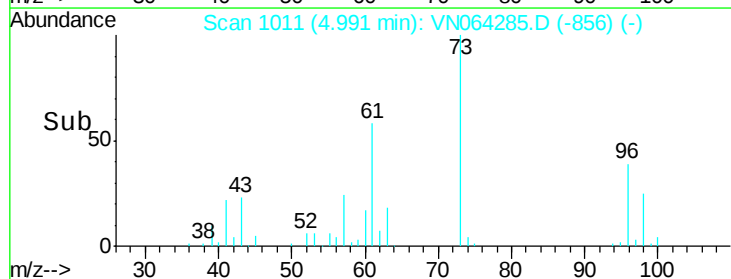
0

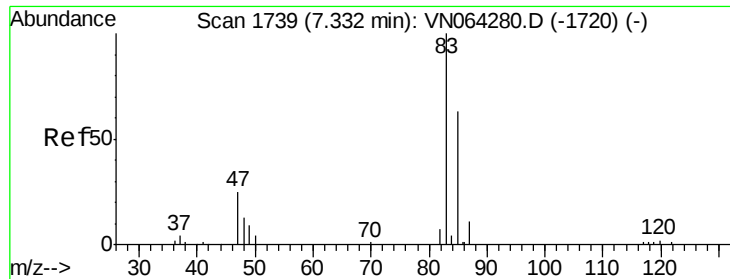
Time-->

4.90

5.00

5.10

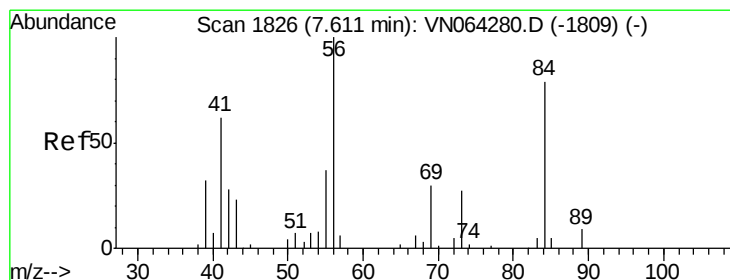
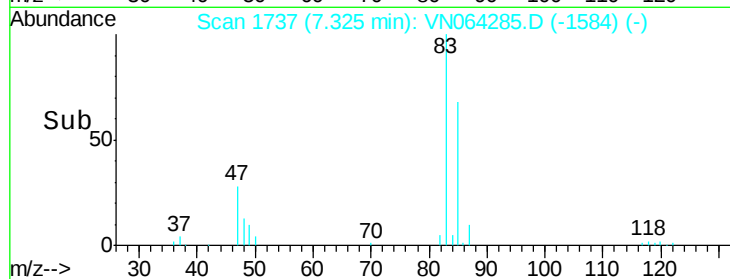
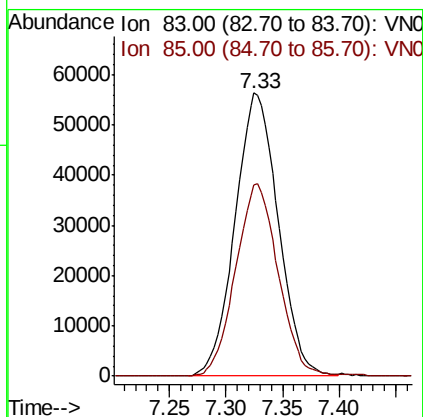
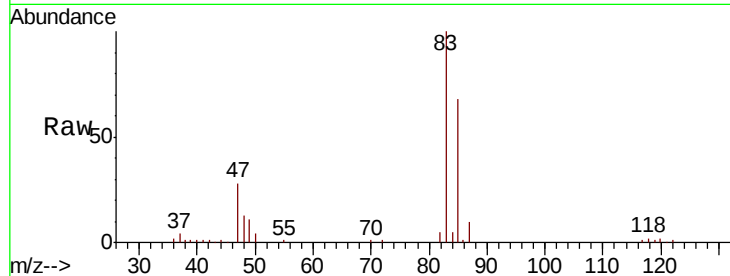




#25
Chloroform
Concen: 20.773 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

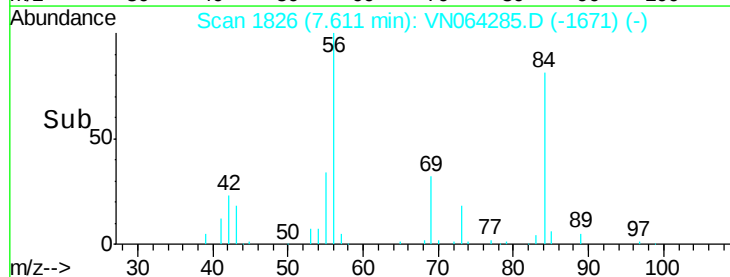
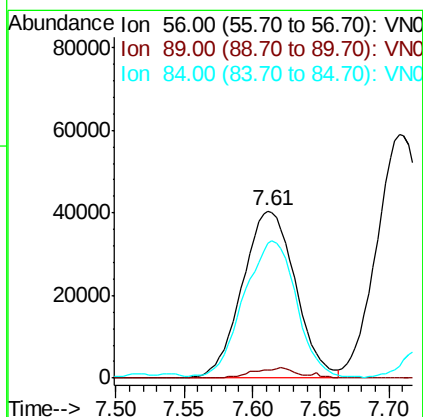
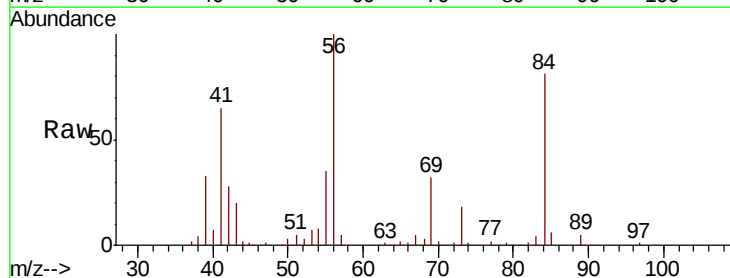
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

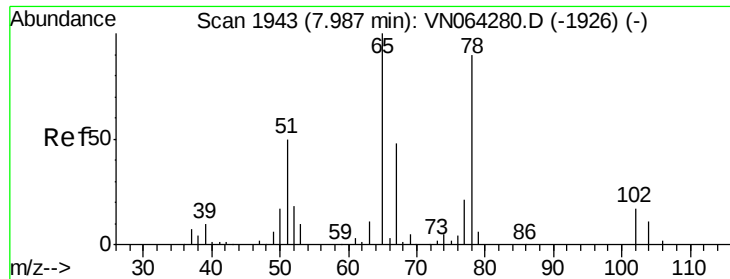
Tot Ion: 83 Resp: 149634
Ion Ratio Lower Upper
83 100
85 67.6 50.3 75.5



#26
Cyclohexane
Concen: 21.205 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion: 56 Resp: 109444
Ion Ratio Lower Upper
56 100
89 4.8 3.4 5.2
84 79.1 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 31.159 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

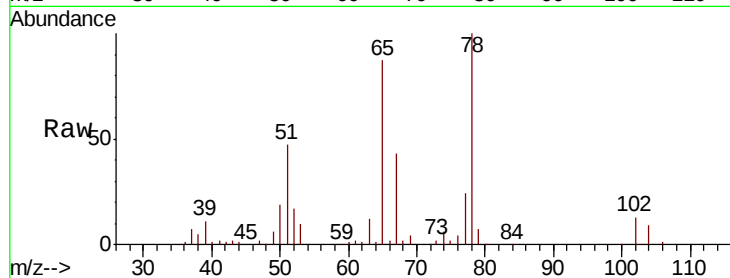
VSTDICCC020

Tot Ion: 65 Resp: 148888

Ion Ratio Lower Upper

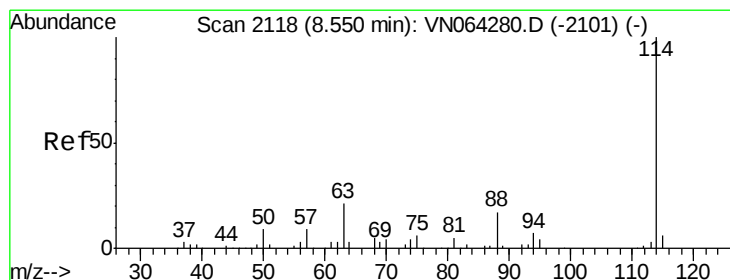
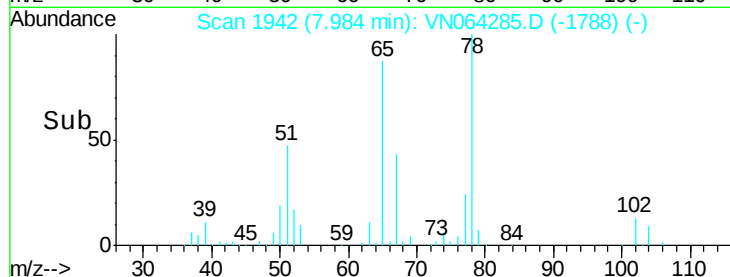
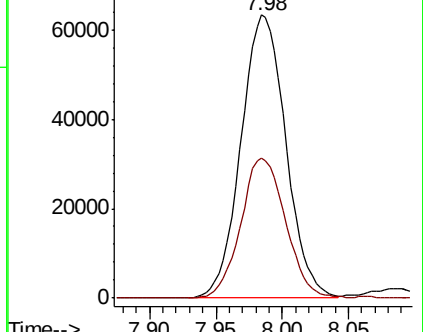
65 100

67 49.3 38.4 57.6



Abundance Ion 65.00 (64.70 to 65.70): VN064280.D (-1926) (-)

Ion 67.00 (66.70 to 67.70): VN064280.D (-1926) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

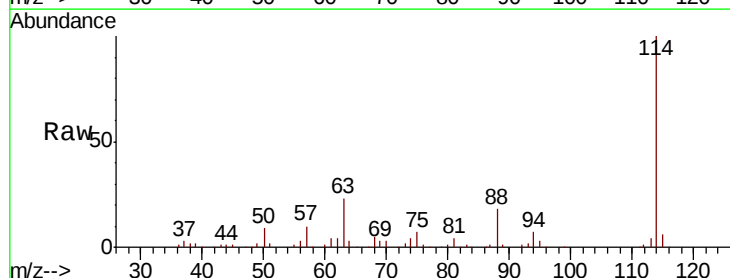
Tgt Ion: 114 Resp: 317455

Ion Ratio Lower Upper

114 100

63 22.4 17.8 26.8

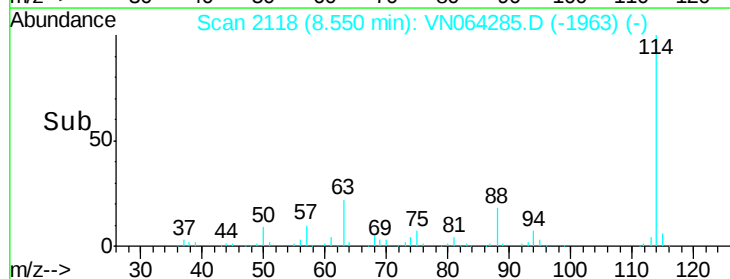
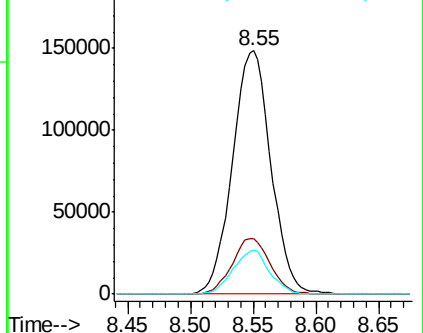
88 17.1 13.8 20.8

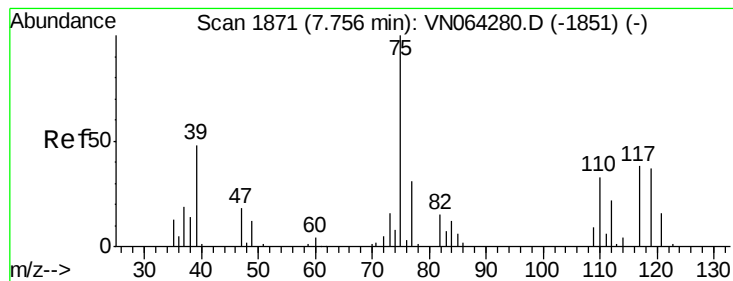


Abundance Ion 114.00 (113.70 to 114.70): VN064280.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN064280.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN064280.D (-2101) (-)





#29

1,1-Dichloropropene

Concen: 20.629 ug/l

RT: 7.75 min Scan# 1869

Delta R.T. -0.01 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

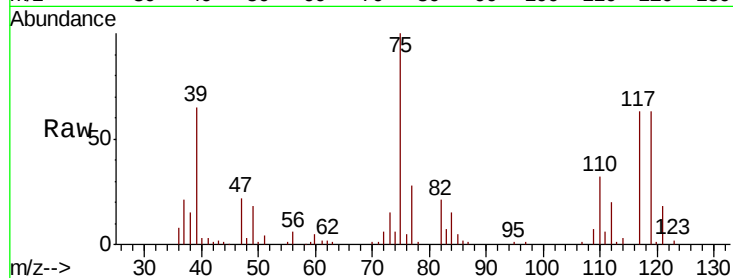
Tot Ion: 75 Resp: 113209

Ion Ratio Lower Upper

75 100

110 32.4 0.0 66.2

77 29.5 0.0 64.4

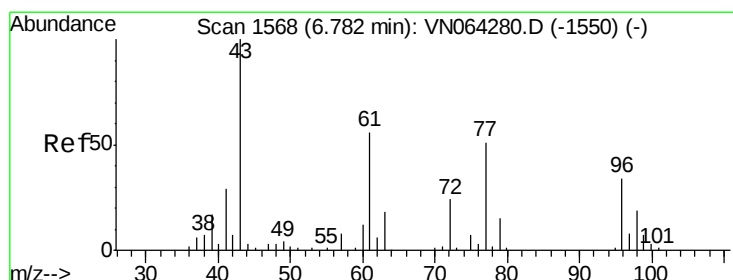
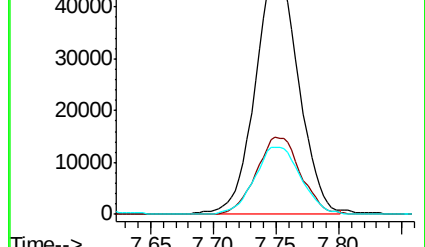
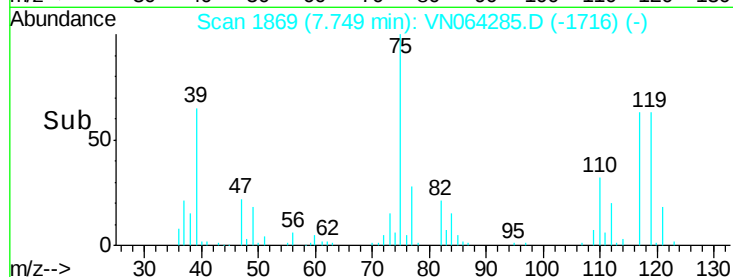


Abundance Ion 75.00 (74.70 to 75.70): VN064280.D (-1851) (-)

Ion 110.00 (109.70 to 110.70): VN064280.D (-1851) (-)

Ion 77.00 (76.70 to 77.70): VN064280.D (-1851) (-)

Time-->



#30

2-Butanone

Concen: 103.384 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

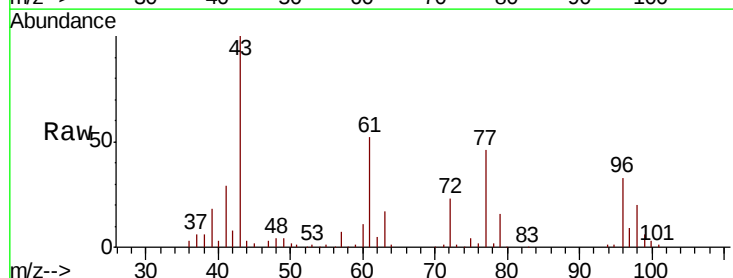
Tgt Ion: 43 Resp: 249175

Ion Ratio Lower Upper

43 100

57 3.7 6.4 9.6#

72 23.7 19.4 29.0

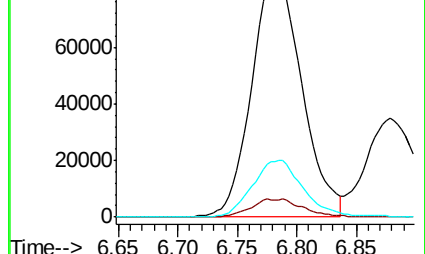
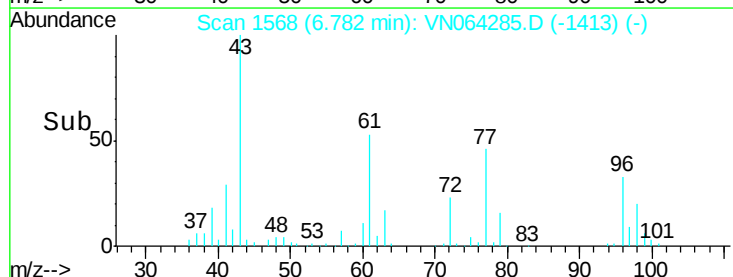


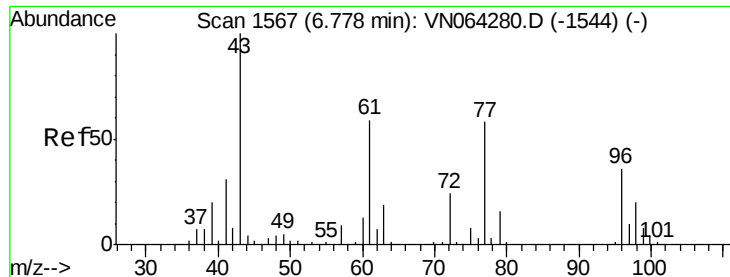
Abundance Ion 43.00 (42.70 to 43.70): VN064280.D (-1550) (-)

Ion 57.00 (56.70 to 57.70): VN064280.D (-1550) (-)

Ion 72.00 (71.70 to 72.70): VN064280.D (-1550) (-)

Time-->





#31

2,2-Dichloropropane

Concen: 20.917 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

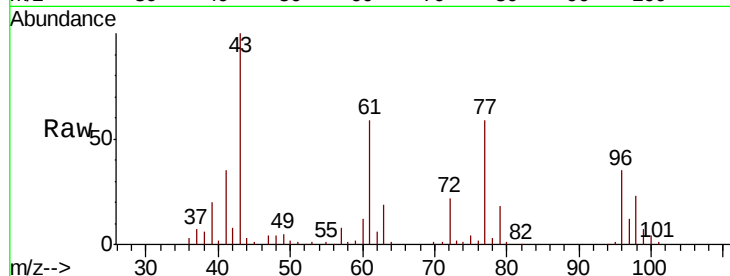
VSTDICCC020

Tot Ion: 77 Resp: 143668

Ion Ratio Lower Upper

77 100

97 13.5 15.1 22.7#



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0

6.77

50000

40000

30000

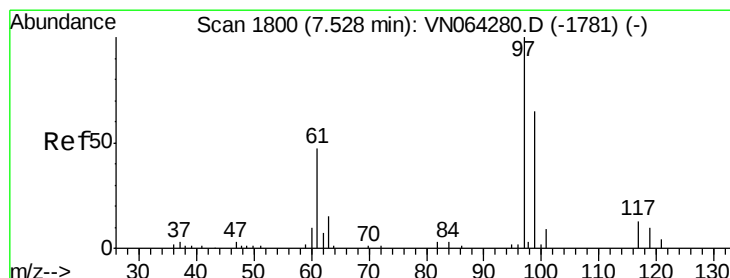
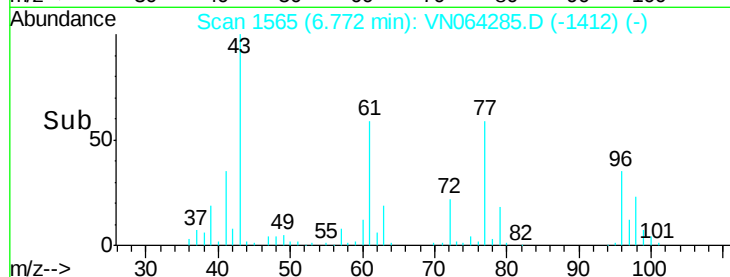
20000

10000

0

Time-->

6.70 6.80 6.90



#32

1,1,1-Trichloroethane

Concen: 20.499 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

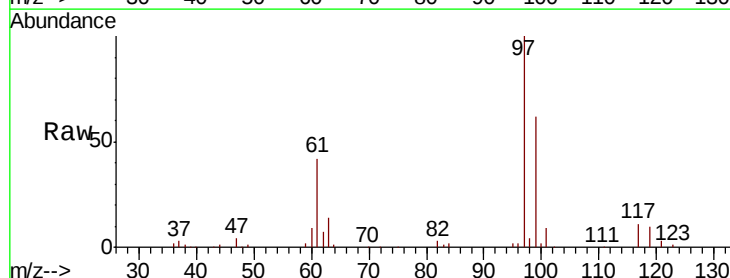
Tgt Ion: 97 Resp: 143741

Ion Ratio Lower Upper

97 100

99 63.8 54.4 81.6

61 44.6 37.5 56.3



Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

7.53

60000

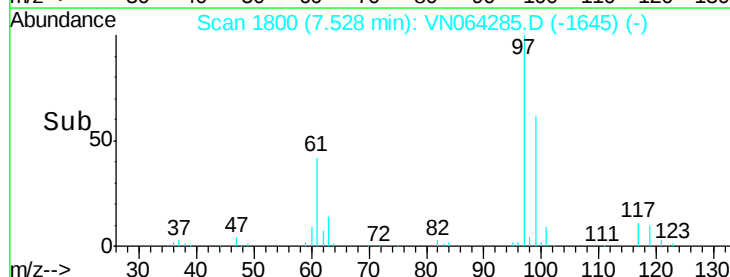
40000

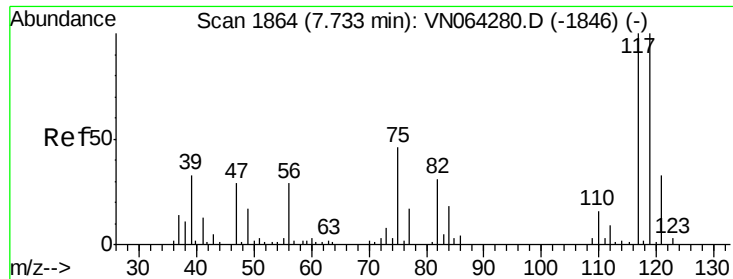
20000

0

Time-->

7.40 7.50 7.60

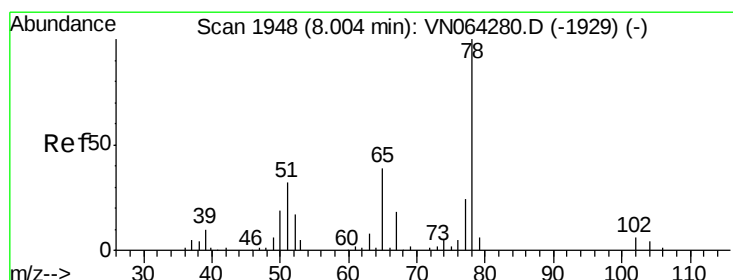
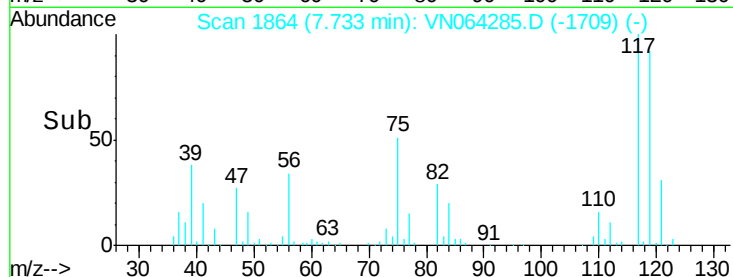
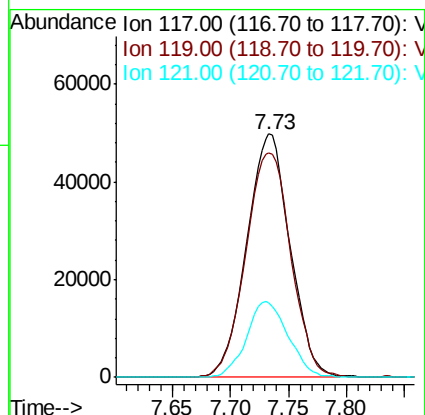
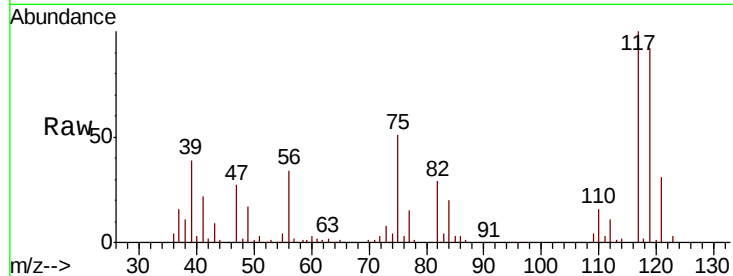




#33
Carbon Tetrachloride
Concen: 20.586 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

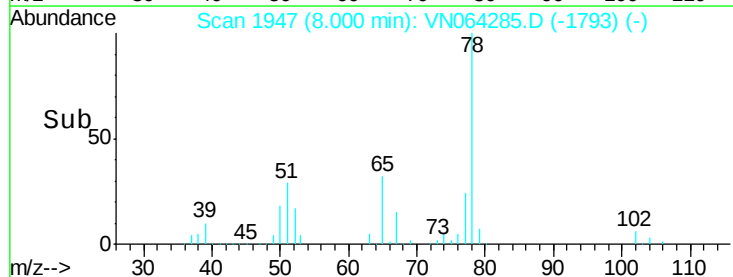
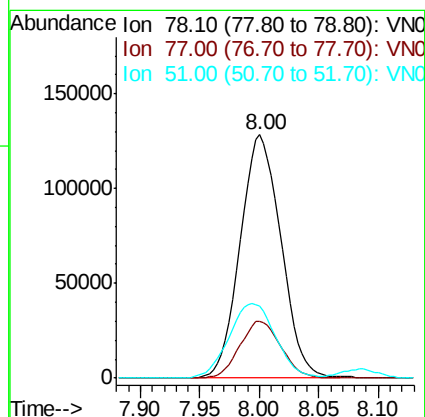
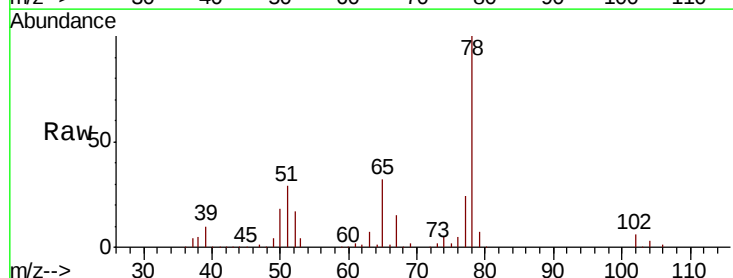
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

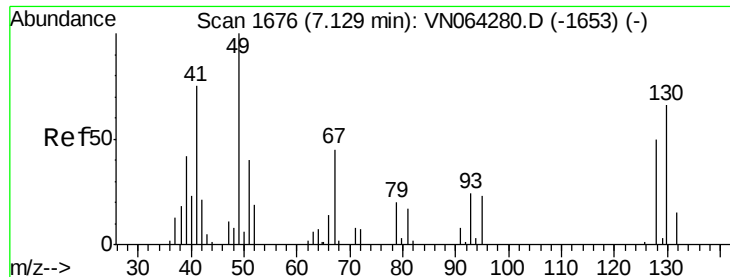
Tot Ion:117 Resp: 129318
Ion Ratio Lower Upper
117 100
119 92.4 80.1 120.1
121 30.5 26.2 39.2



#34
Benzene
Concen: 20.357 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion: 78 Resp: 305303
Ion Ratio Lower Upper
78 100
77 23.5 19.2 28.8
51 29.0 25.2 37.8

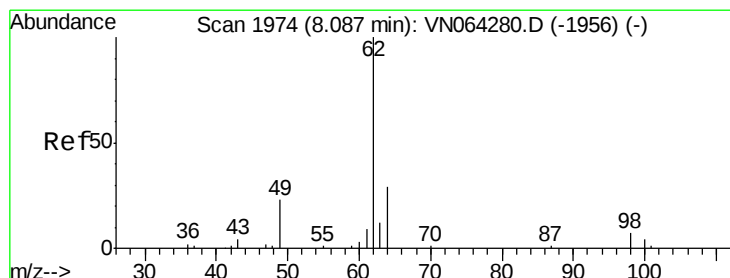
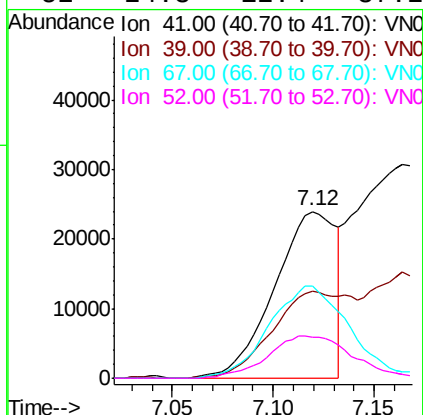
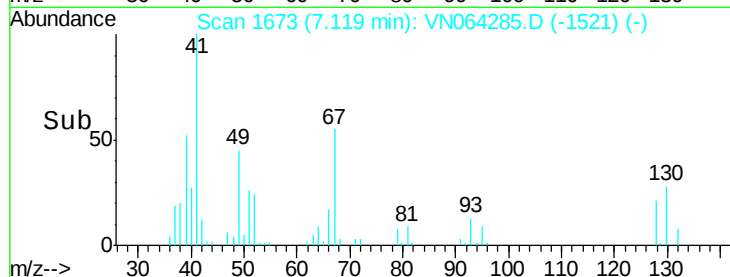
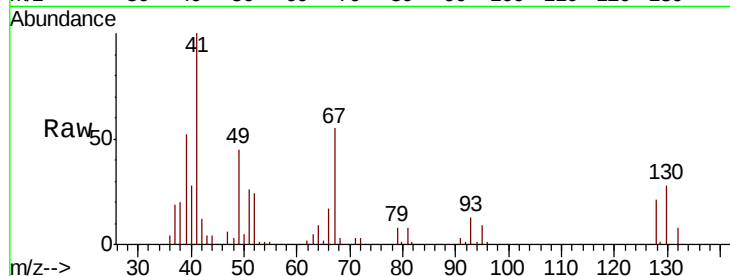




#35
Methacrylonitrile
Concen: 20.797 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

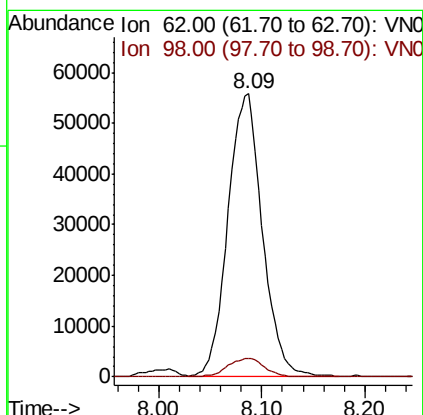
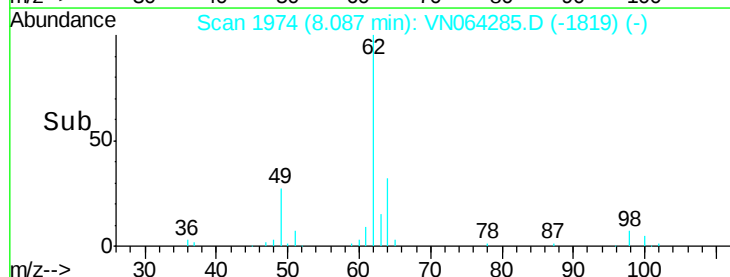
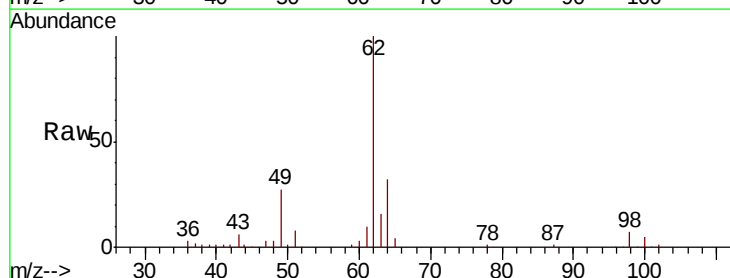
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

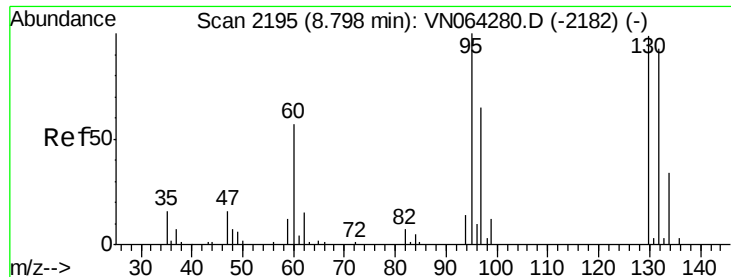
Tot Ion:	41	Resp:	50535
Ion	Ratio	Lower	Upper
41	100		
39	52.0	28.0	83.9
67	55.1	29.9	89.8
52	24.3	12.4	37.2



#36
1,2-Dichloroethane
Concen: 20.354 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion:	62	Resp:	130150
Ion	Ratio	Lower	Upper
62	100		
98	6.9	5.4	8.0

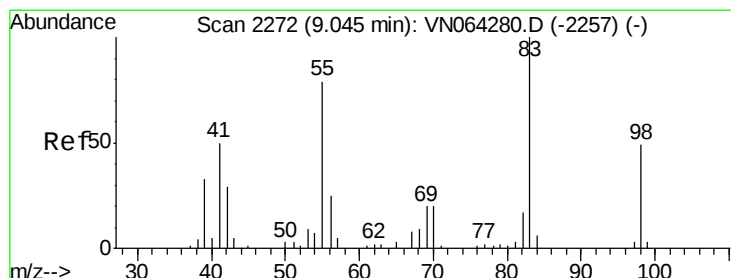
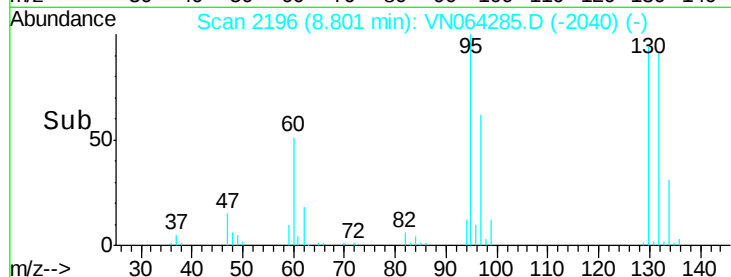
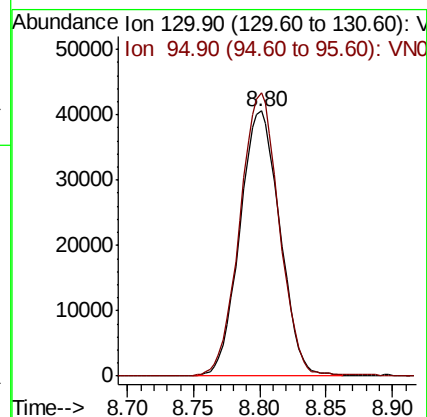
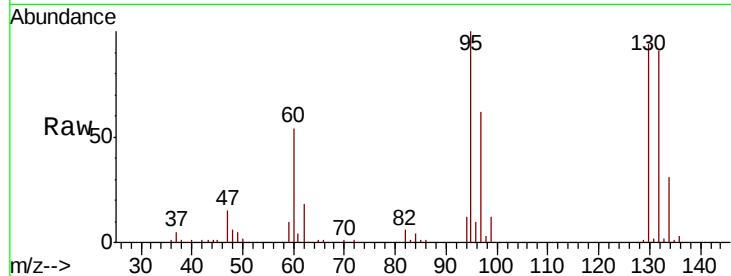




#37
 Trichloroethene
 Concen: 20.697 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

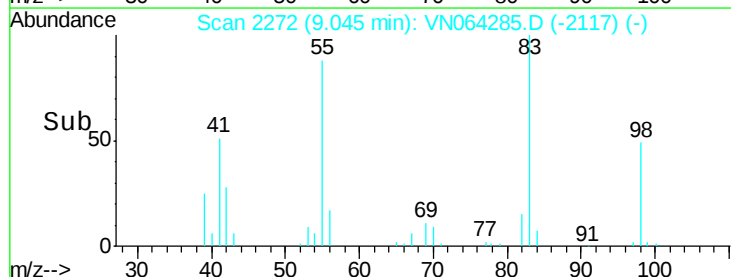
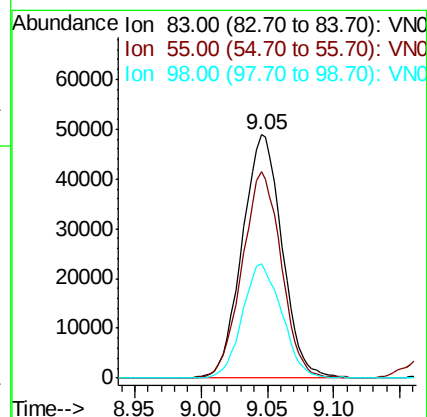
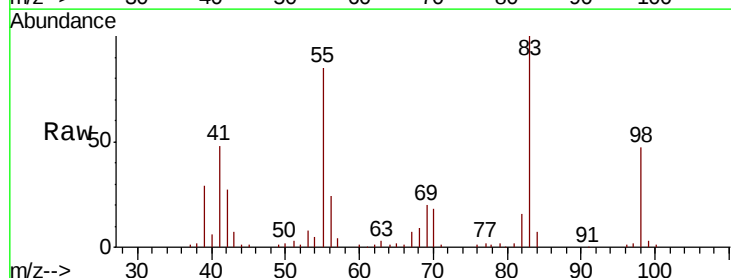
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

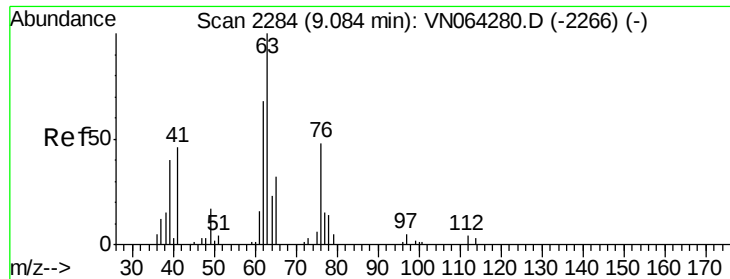
Tot Ion:130 Resp: 85420
 Ion Ratio Lower Upper
 130 100
 95 106.9 81.2 121.8



#38
 Methylcyclohexane
 Concen: 20.409 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion: 83 Resp: 102252
 Ion Ratio Lower Upper
 83 100
 55 83.3 40.3 120.9
 98 46.2 25.3 75.8

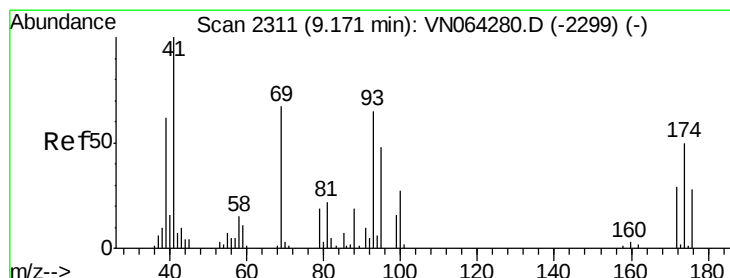
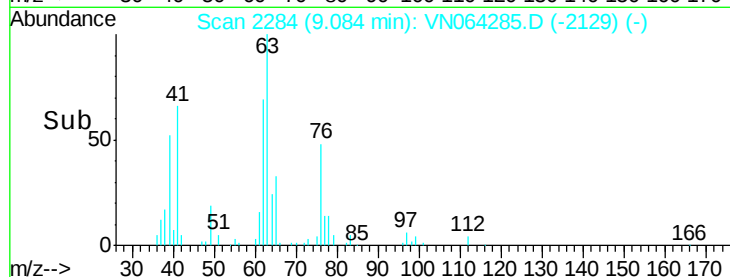
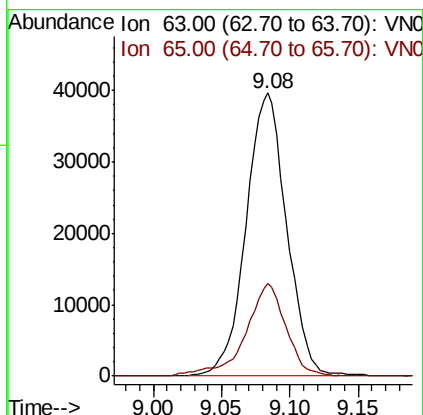
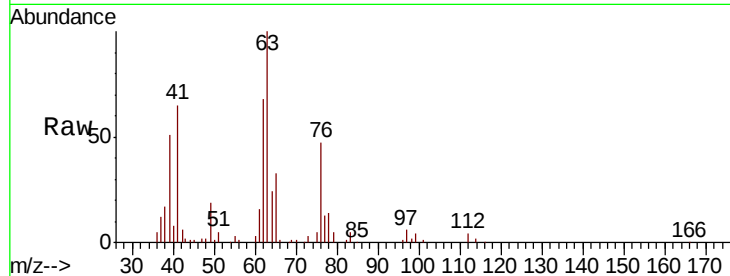




#39
 1,2-Dichloropropane
 Concen: 20.381 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

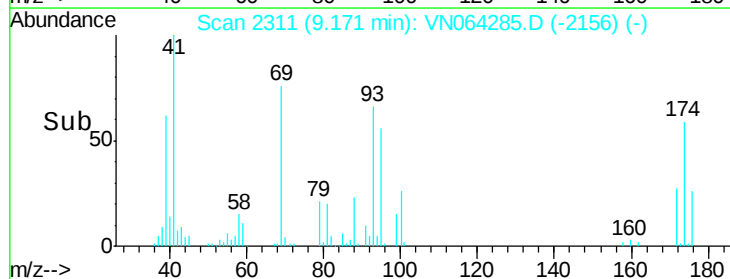
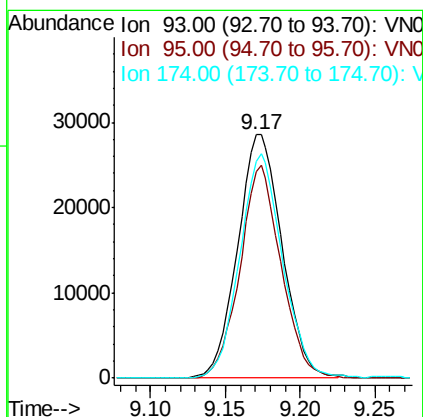
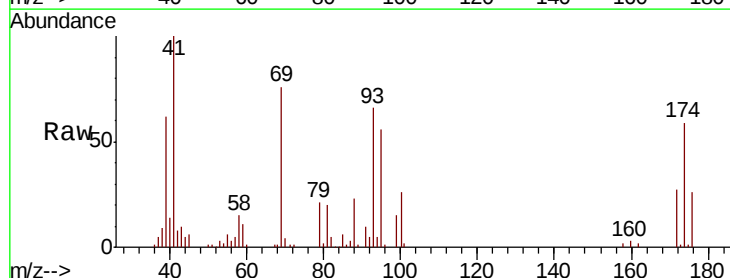
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

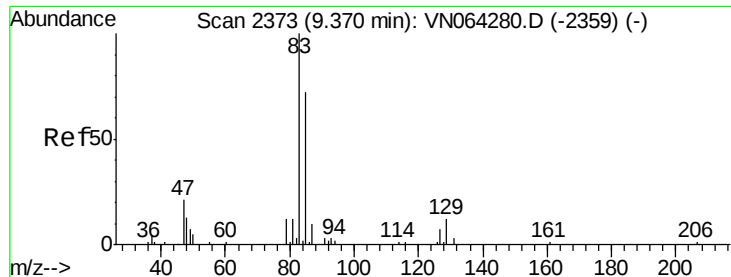
Tot Ion: 63 Resp: 81716
 Ion Ratio Lower Upper
 63 100
 65 32.5 26.1 39.1



#40
 Dibromomethane
 Concen: 20.990 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion: 93 Resp: 58879
 Ion Ratio Lower Upper
 93 100
 95 80.8 0.0 156.6
 174 89.1 0.0 168.8

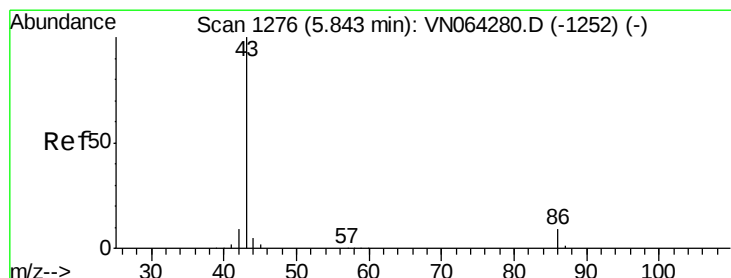
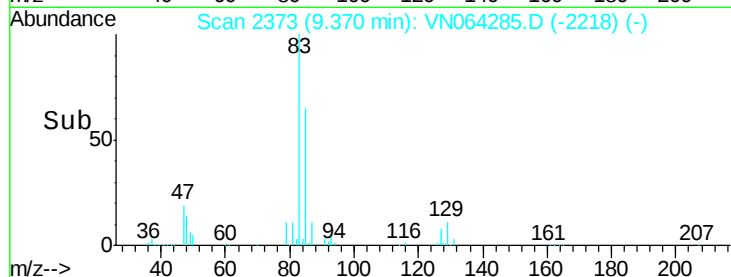
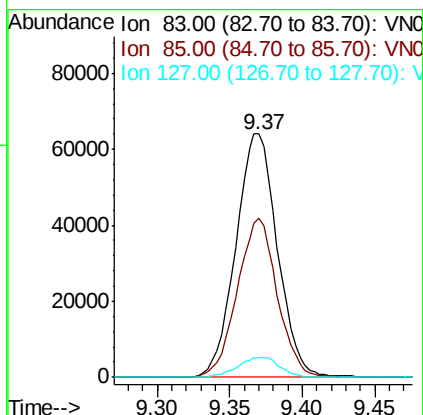
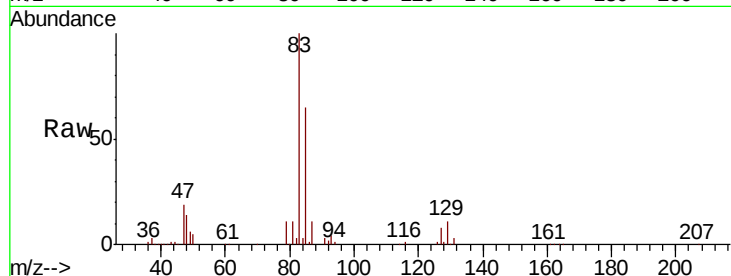




#41
 Bromodichloromethane
 Concen: 20.946 ug/l
 RT: 9.37 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

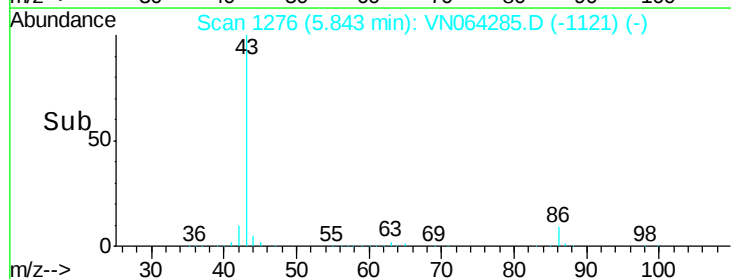
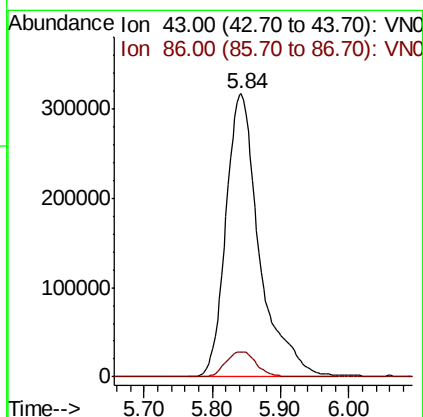
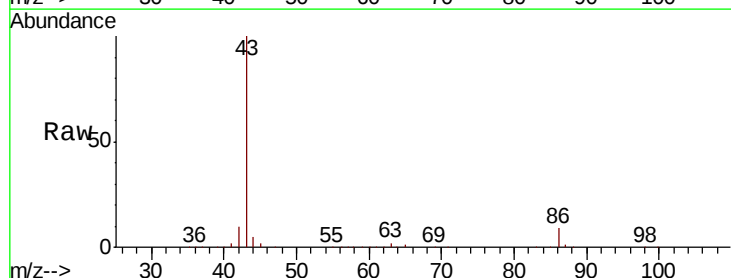
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

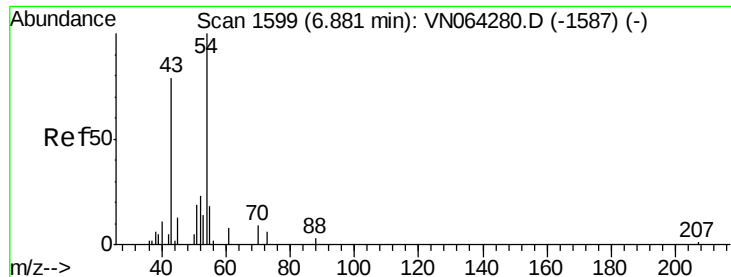
Tot Ion: 83 Resp: 127418
 Ion Ratio Lower Upper
 83 100
 85 65.4 57.8 86.6
 127 9.2 7.0 10.4



#42
 Vinyl Acetate
 Concen: 101.914 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion: 43 Resp: 1083393
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.6 9.8

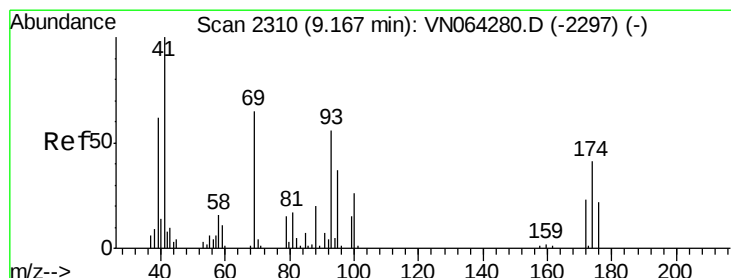
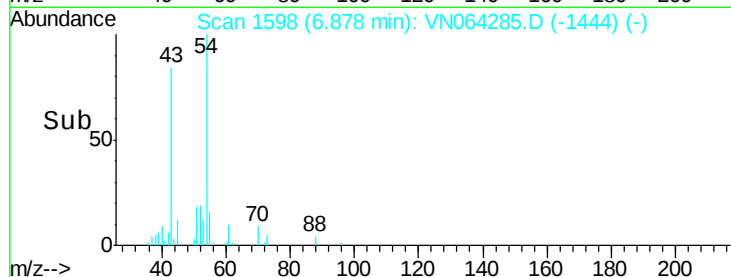
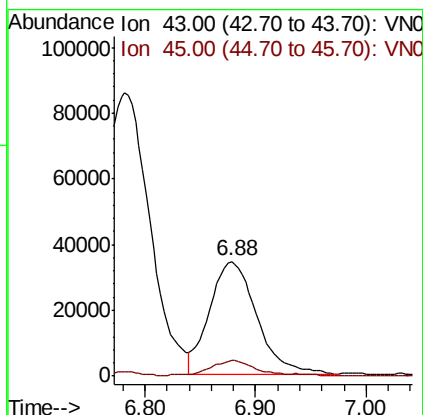
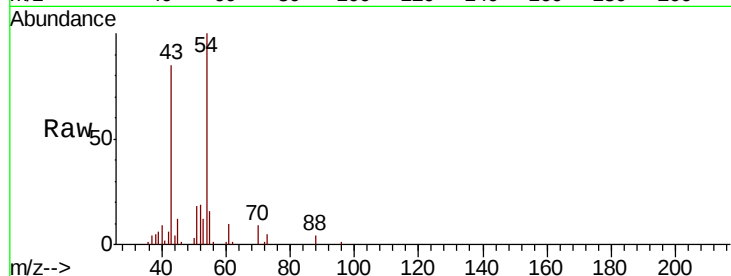




#43
Ethyl Acetate
Concen: 19.951 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

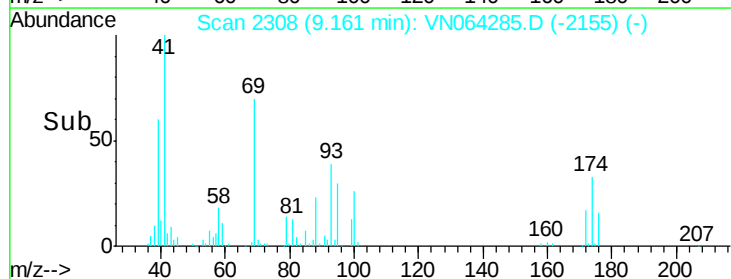
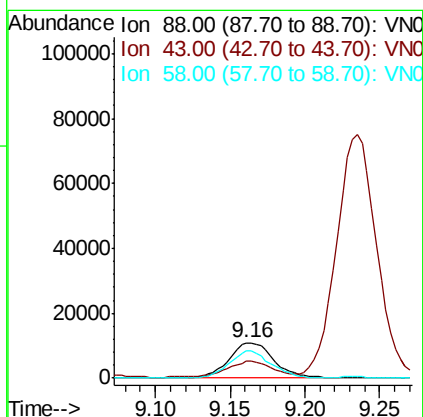
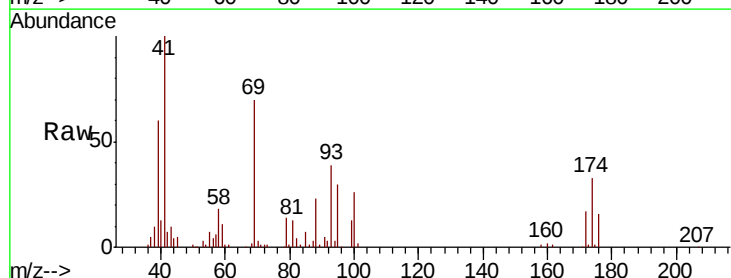
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

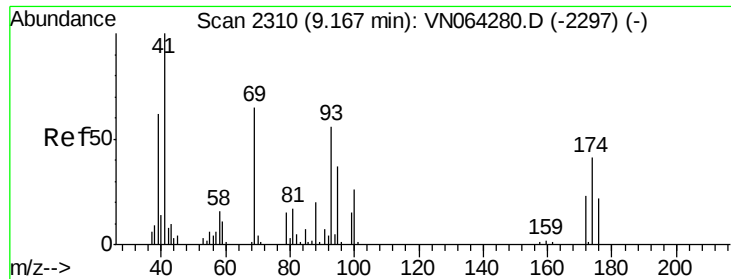
Tot Ion: 43 Resp: 101795
Ion Ratio Lower Upper
43 100
45 11.7 8.2 12.4



#45
1,4-Dioxane
Concen: 407.102 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion: 88 Resp: 22753
Ion Ratio Lower Upper
88 100
43 43.5 34.7 52.1
58 72.5 65.8 98.6

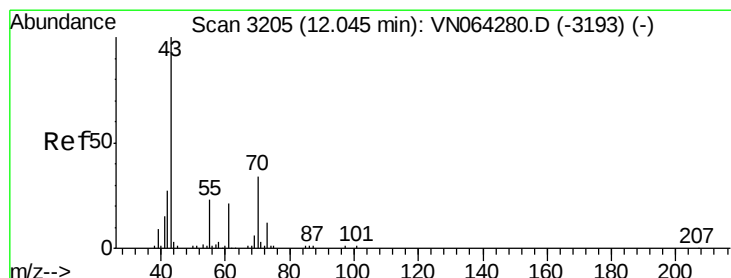
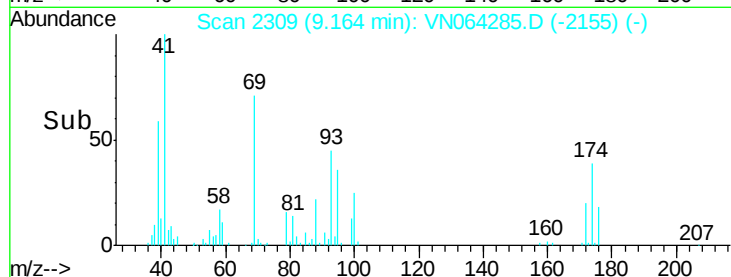
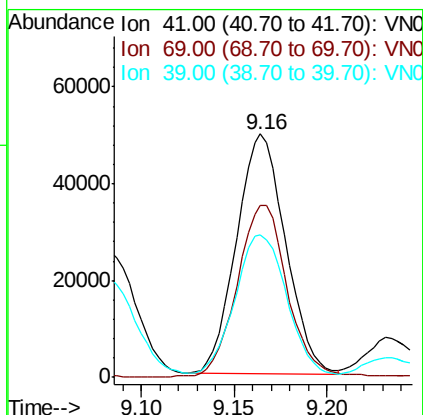
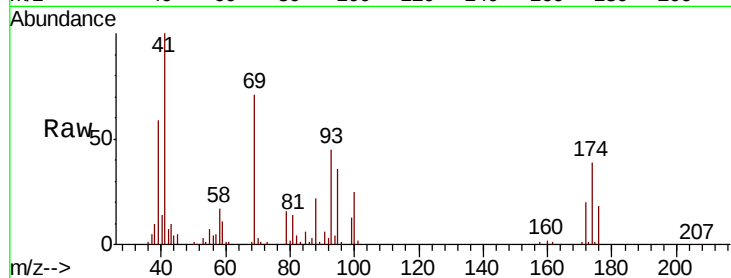




#46
Methvl methacrylate
Concen: 20.659 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

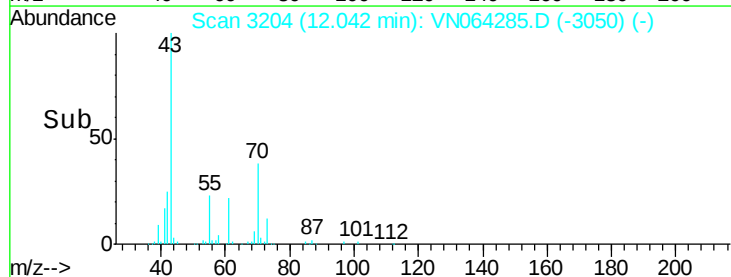
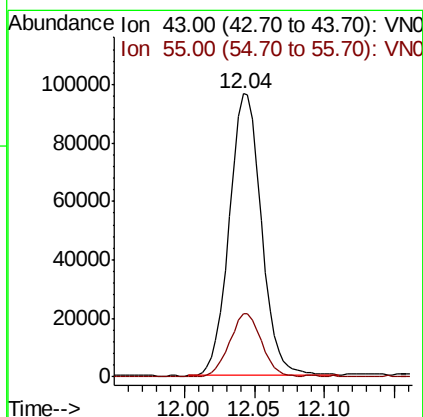
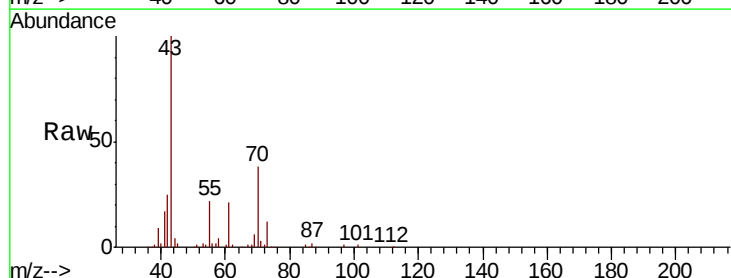
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

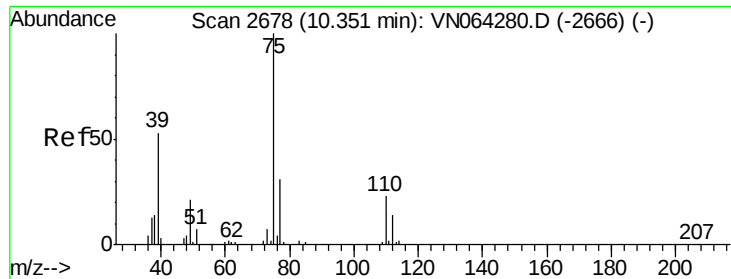
Tot Ion: 41 Resp: 91414
Ion Ratio Lower Upper
41 100
69 71.5 32.6 97.7
39 58.3 31.1 93.3



#47
n-amy1 Acetate
Concen: 19.590 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion: 43 Resp: 154680
Ion Ratio Lower Upper
43 100
55 22.5 18.2 27.2





#48

t-1,3-Dichloropropene

Concen: 20.689 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

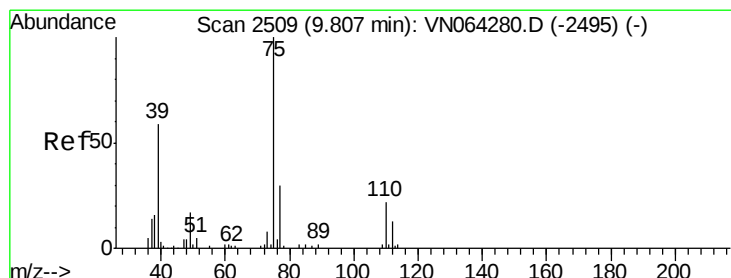
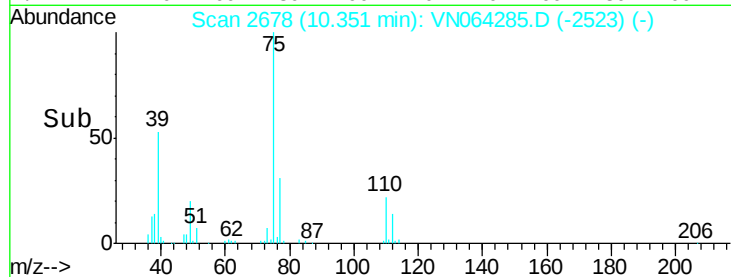
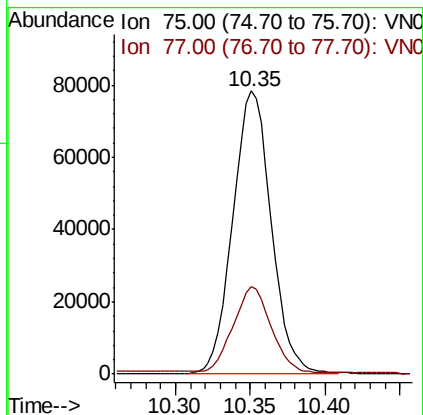
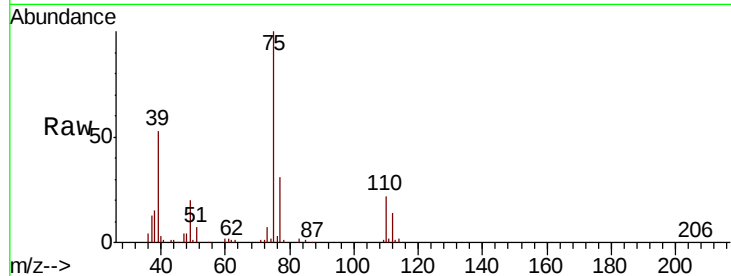
VSTDICCC020

Tot Ion: 75 Resp: 140504

Ion Ratio Lower Upper

75 100

77 30.2 25.4 38.0



#49

cis-1,3-Dichloropropene

Concen: 20.226 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

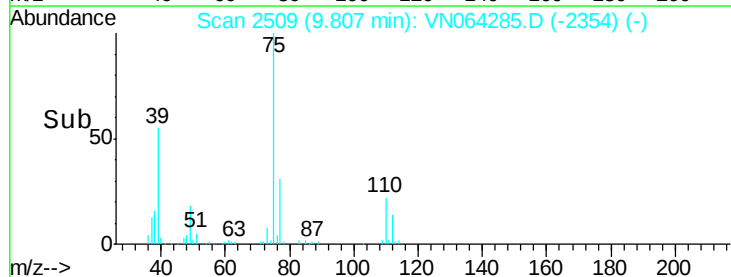
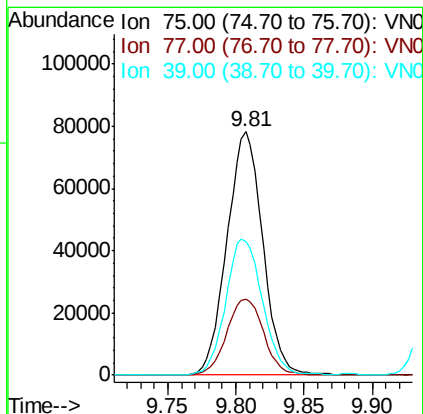
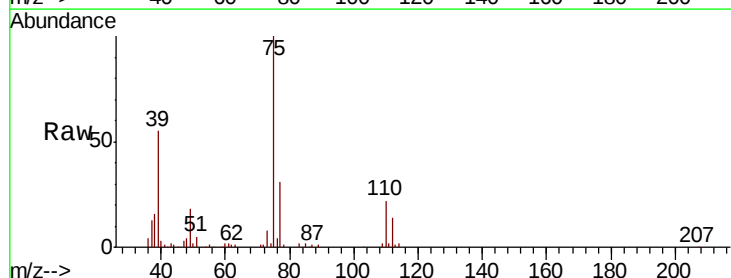
Tgt Ion: 75 Resp: 142655

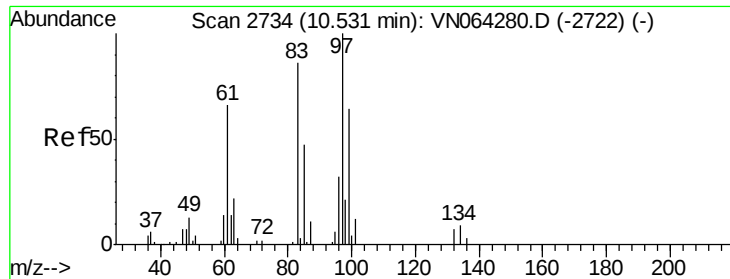
Ion Ratio Lower Upper

75 100

77 31.3 23.7 35.5

39 54.7 46.9 70.3

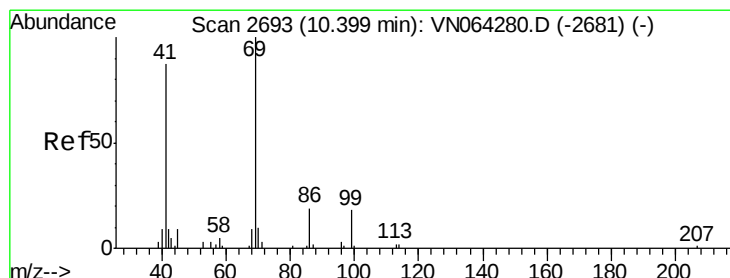
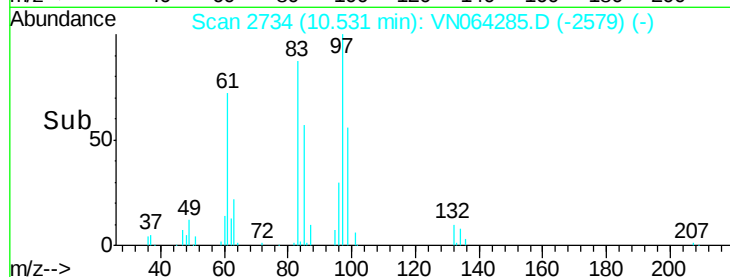
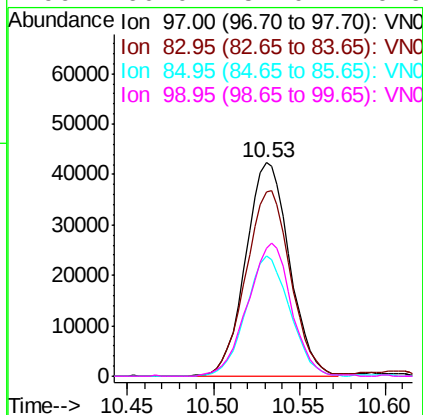
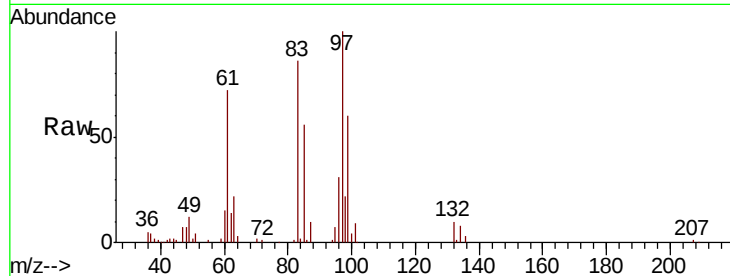




#50
 1,1,2-Trichloroethane
 Concen: 20.285 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

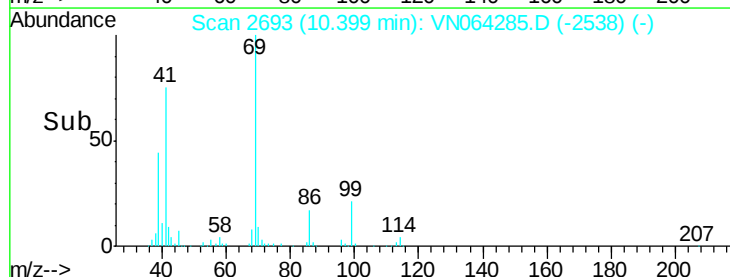
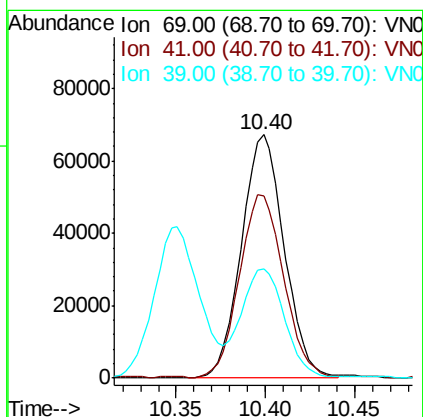
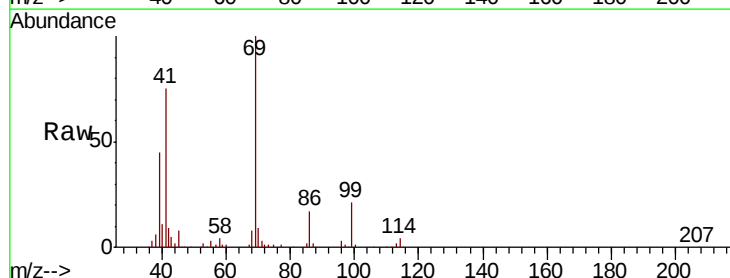
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

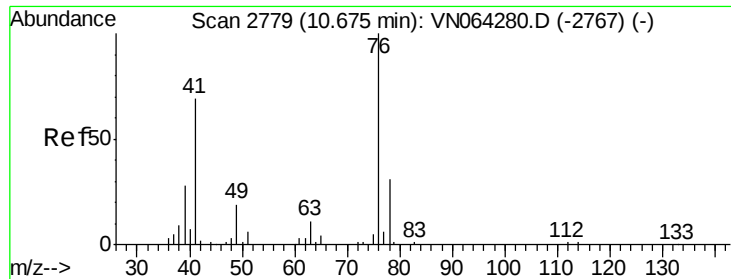
Tot Ion:	97	Resp:	74953
Ion	Ratio	Lower	Upper
97	100		
83	86.1	68.9	103.3
85	56.4	37.8	56.8
99	60.0	51.0	76.6



#51
 Ethyl methacrylate
 Concen: 19.790 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion:	69	Resp:	112472
Ion	Ratio	Lower	Upper
69	100		
41	74.6	43.6	130.9
39	44.1	25.8	77.3





#52

1,3-Dichloropropane

Concen: 20.605 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

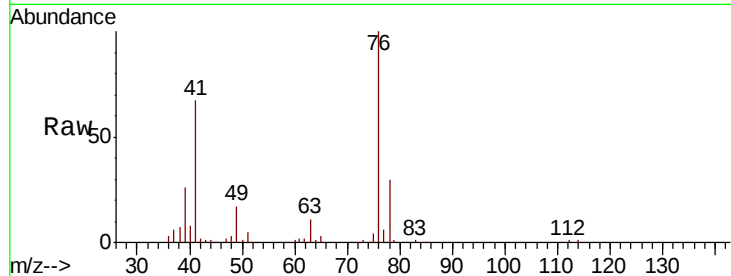
VSTDICCC020

Tot Ion: 76 Resp: 134624

Ion Ratio Lower Upper

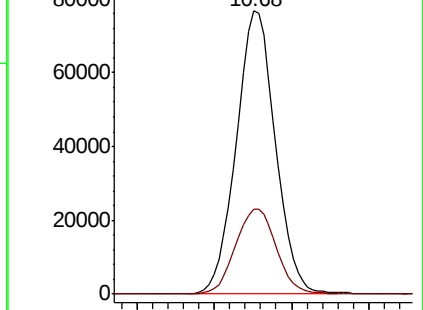
76 100

78 31.3 0.0 64.6

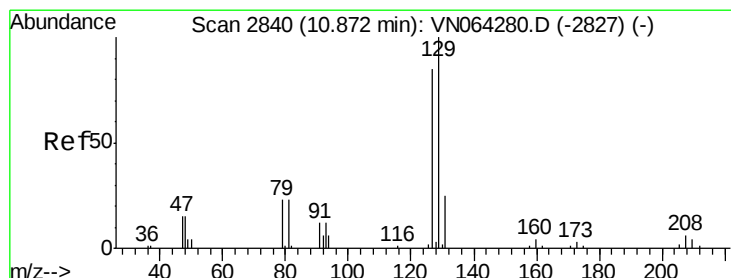
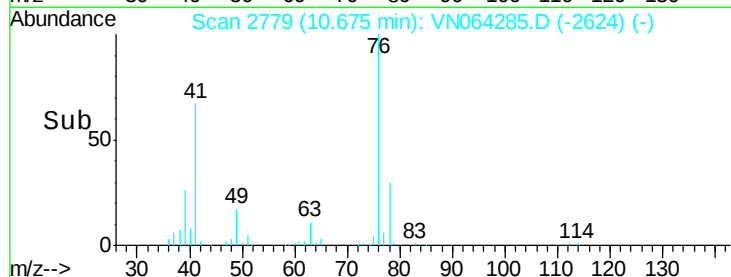


Abundance Ion 76.00 (75.70 to 76.70): VN064280.D (-2767) (-)

Ion 78.00 (77.70 to 78.70): VN064280.D (-2767) (-)



Time-->



#53

Dibromochloromethane

Concen: 20.155 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064285.D

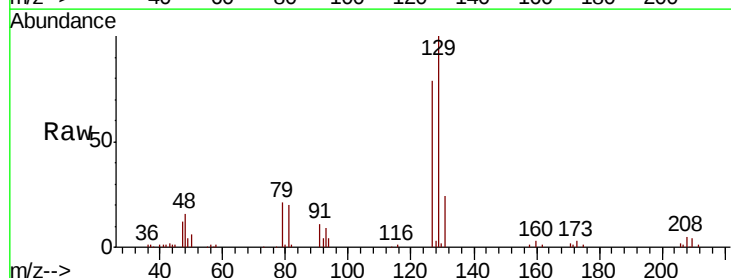
Acq: 23 Oct 2020 13:01

Tgt Ion: 129 Resp: 93047

Ion Ratio Lower Upper

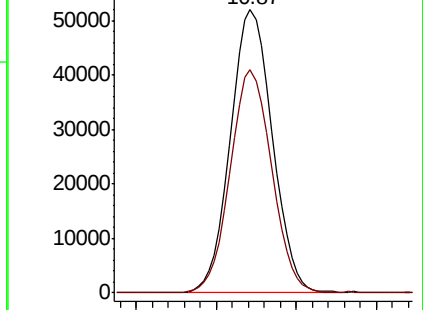
129 100

127 78.0 42.4 127.2

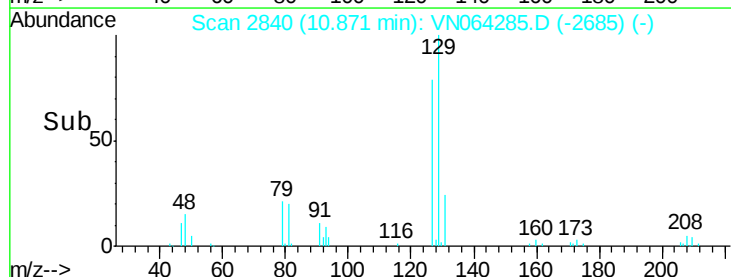


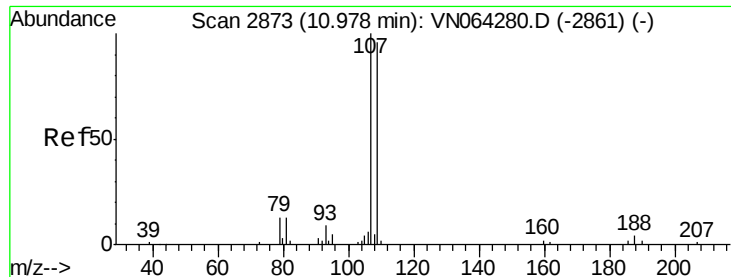
Abundance Ion 129.00 (128.70 to 129.70): VN064280.D (-2827) (-)

Ion 127.00 (126.70 to 127.70): VN064280.D (-2827) (-)



Time-->





#54

1,2-Dibromoethane

Concen: 20.072 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

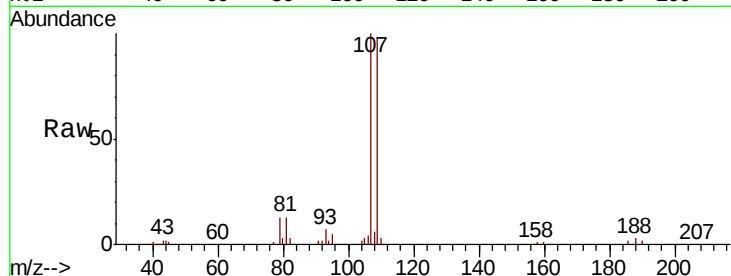
VSTDICCC020

Tot Ion:107 Resp: 79254

Ion Ratio Lower Upper

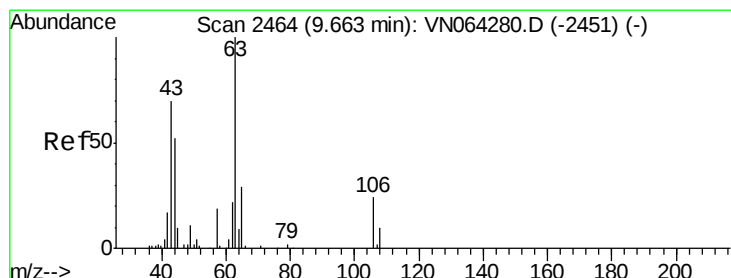
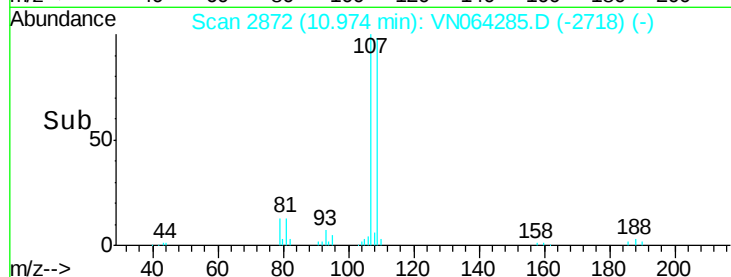
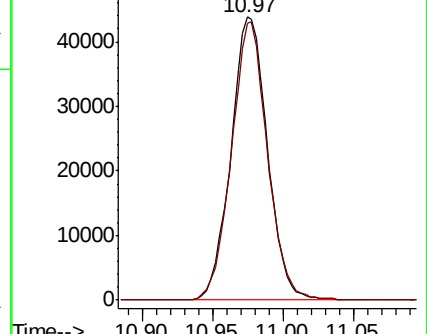
107 100

109 97.1 75.7 113.5



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: 67.284 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

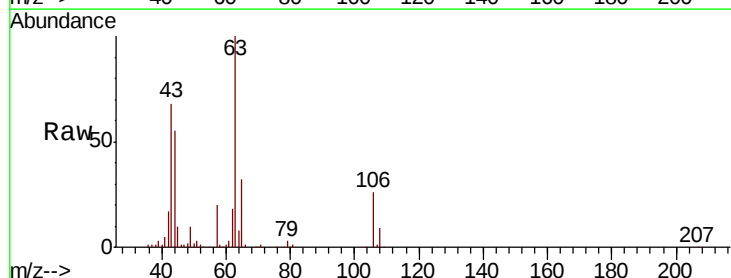
Tgt Ion: 63 Resp: 185796

Ion Ratio Lower Upper

63 100

65 31.8 25.2 37.8

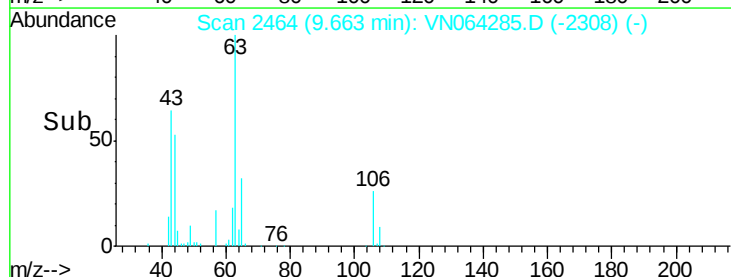
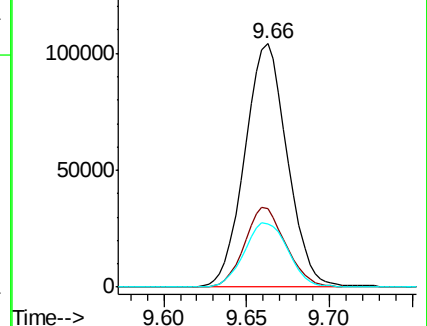
106 27.2 20.6 31.0

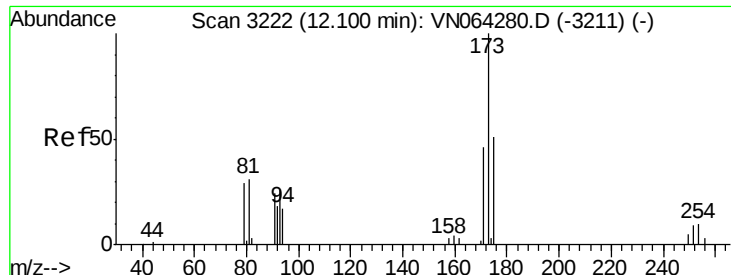


Abundance Ion 63.00 (62.70 to 63.70): VNO

Ion 65.00 (64.70 to 65.70): VNO

Ion 106.00 (105.70 to 106.70): V

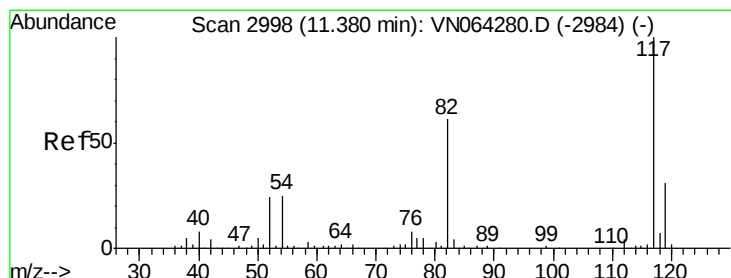
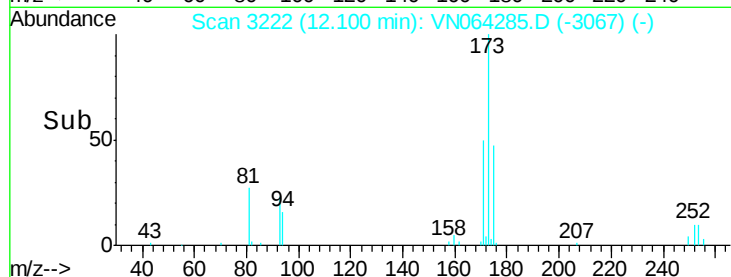
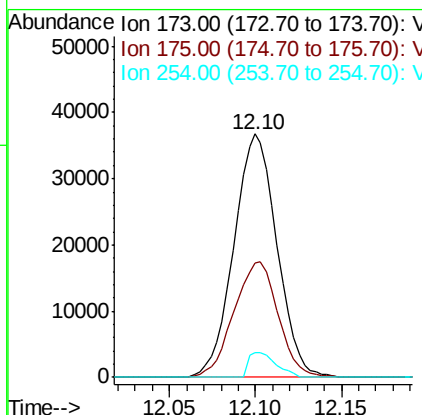
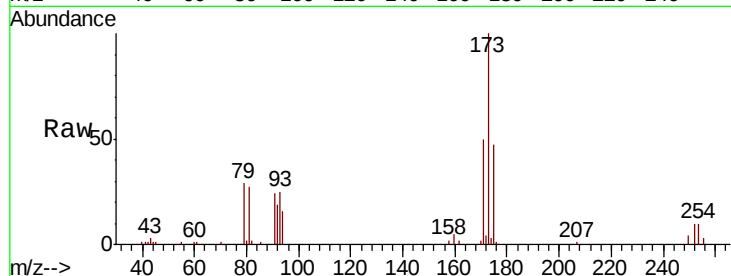




#56
Bromoform
Concen: 19.543 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

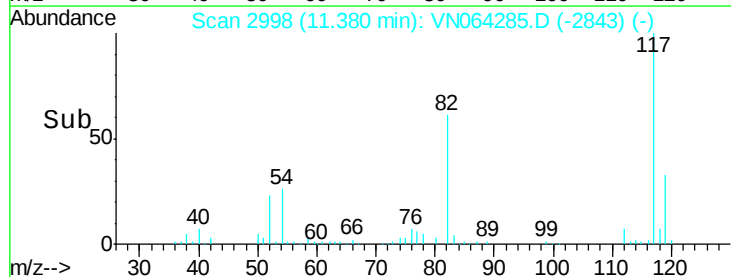
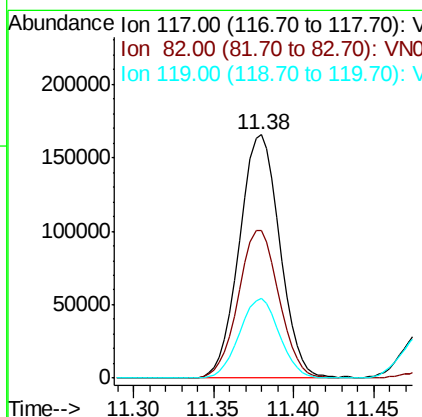
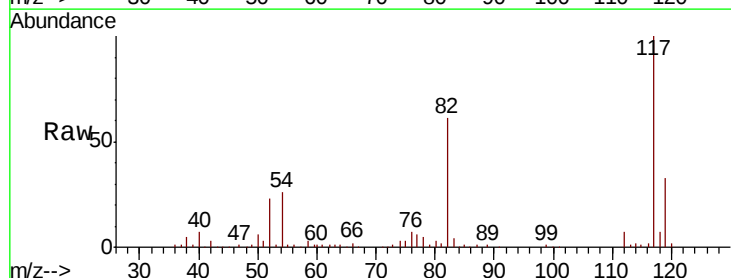
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

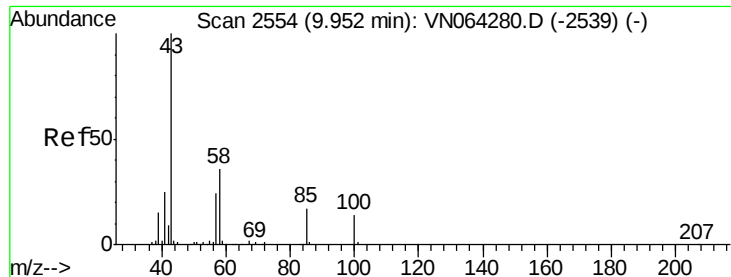
Tot Ion:173 Resp: 63788
Ion Ratio Lower Upper
173 100
175 48.8 39.5 59.3
254 6.5 5.0 7.4



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion:117 Resp: 285877
Ion Ratio Lower Upper
117 100
82 61.2 47.0 70.6
119 32.5 24.6 37.0

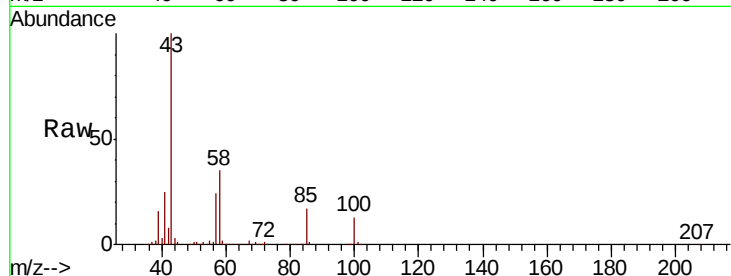




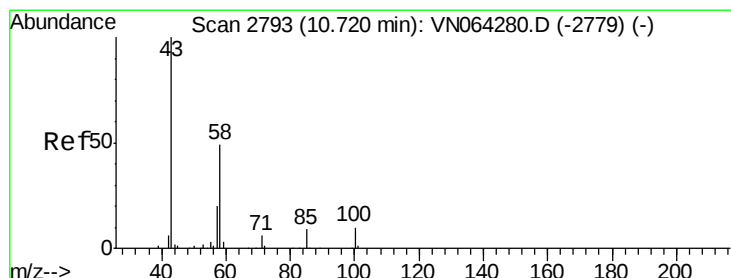
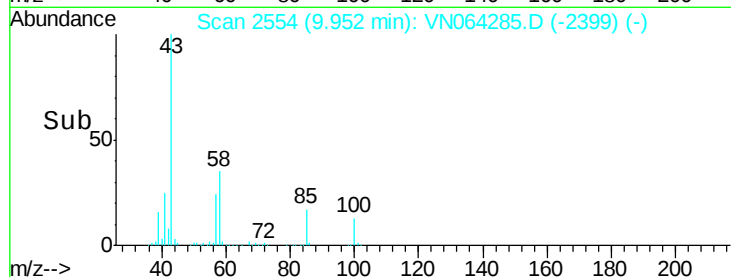
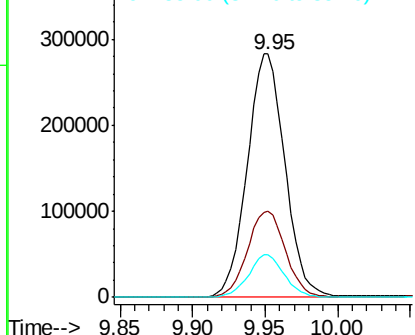
#58
 4-Methyl-2-Pentanone
 Concen: 103.203 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.6	43.0
85	16.8	13.7	20.5

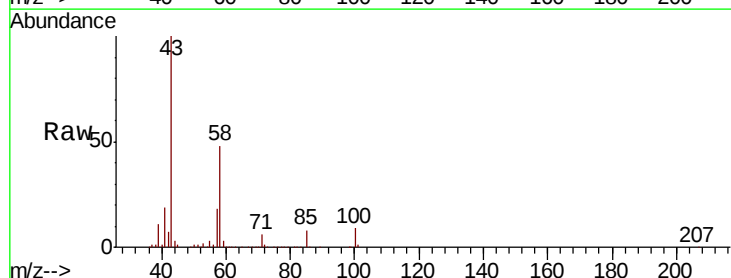


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0

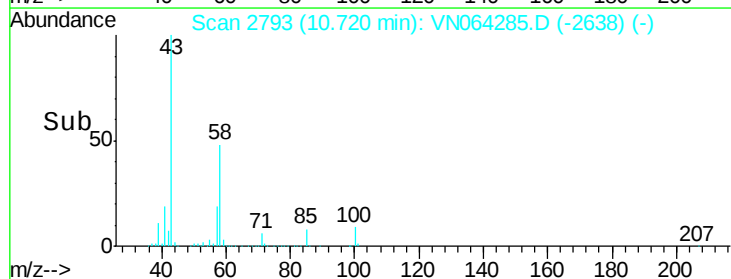
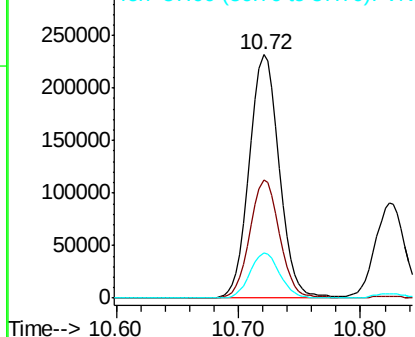


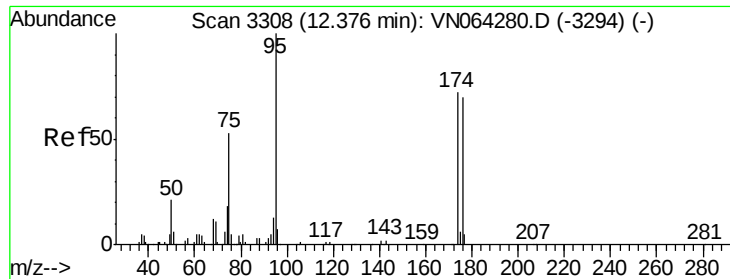
#59
 2-Hexanone
 Concen: 104.077 ug/l
 RT: 10.72 min Scan# 2793
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.7	40.5	60.7
57	18.7	15.4	23.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0

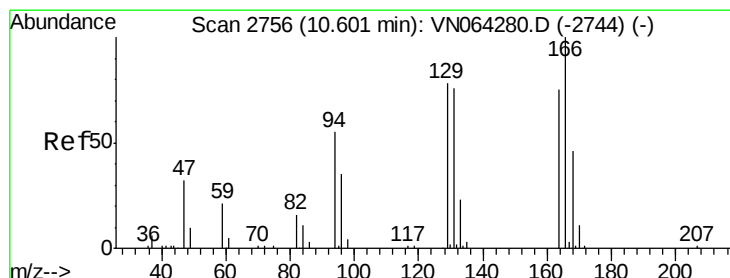
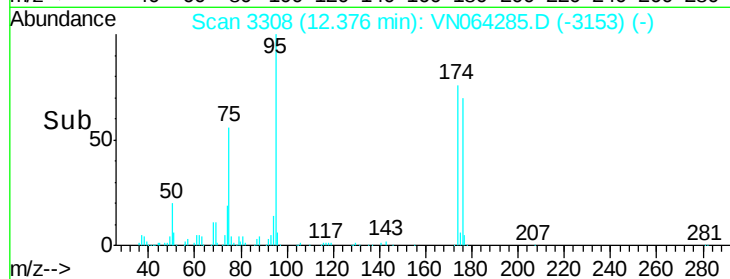
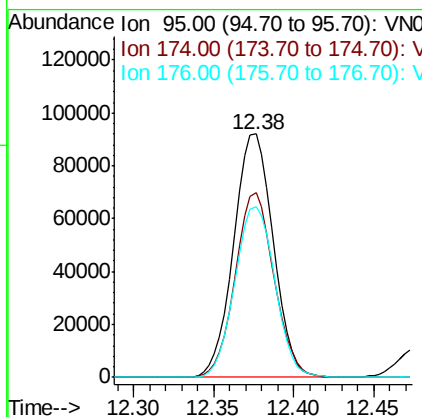
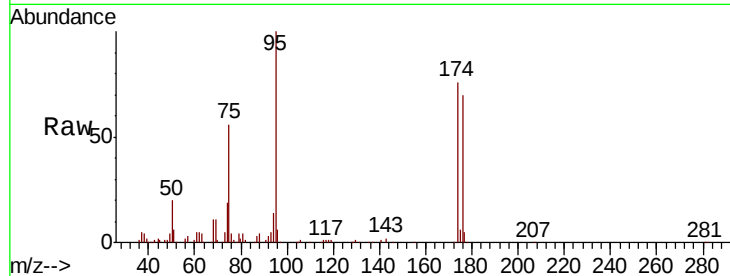




#60
4-Bromofluorobenzene
Concen: 30.584 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

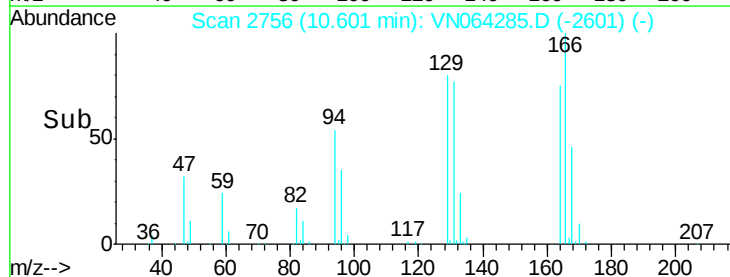
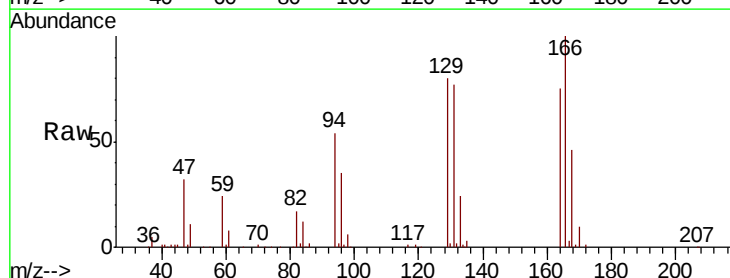
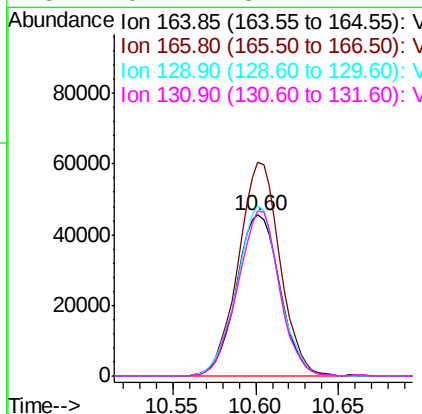
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

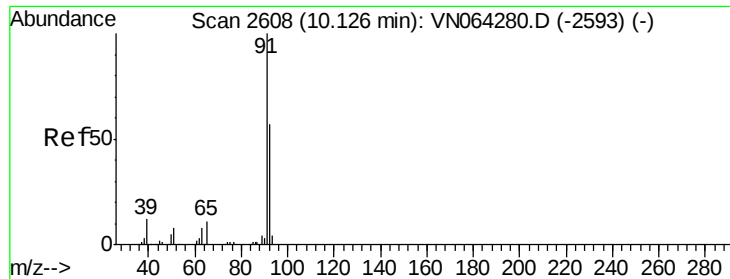
Tot Ion: 95 Resp: 155615
Ion Ratio Lower Upper
95 100
174 74.2 57.9 86.9
176 70.9 56.7 85.1



#61
Tetrachloroethene
Concen: 20.832 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion: 164 Resp: 83210
Ion Ratio Lower Upper
164 100
166 132.6 107.4 161.0
129 105.5 84.3 126.5
131 102.2 81.1 121.7





#62

Toluene

Concen: 20.524 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

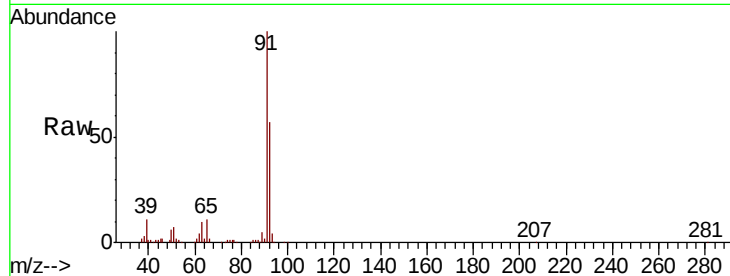
VSTDICCC020

Tot Ion: 91 Resp: 337768

Ion Ratio Lower Upper

91 100

92 57.0 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VN064285.D (-2593) (-)

Ion 92.00 (91.70 to 92.70): VN064285.D (-2593) (-)

10.12

200000

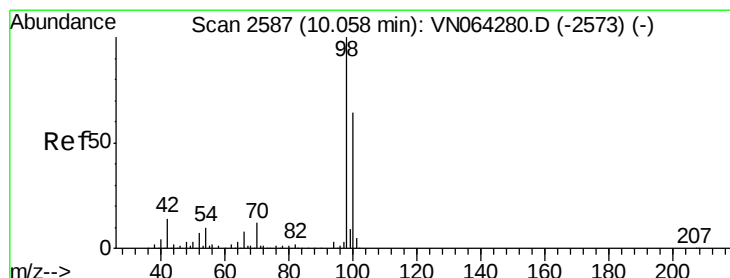
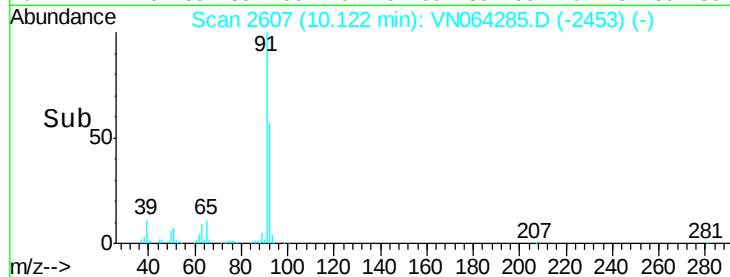
150000

100000

50000

0

Time-->



#63

Toluene-d8

Concen: 30.363 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064285.D

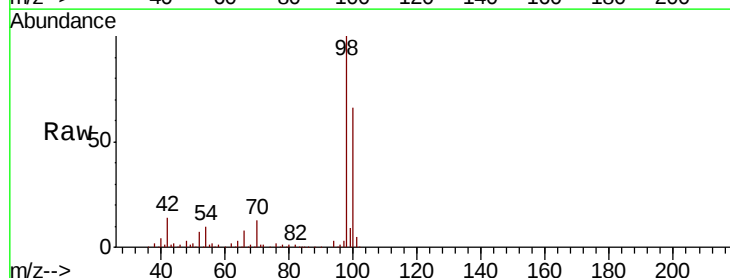
Acq: 23 Oct 2020 13:01

Tgt Ion: 98 Resp: 387967

Ion Ratio Lower Upper

98 100

100 64.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064285.D (-2432) (-)

Ion 100.00 (99.70 to 100.70): VN064285.D (-2432) (-)

10.06

250000

200000

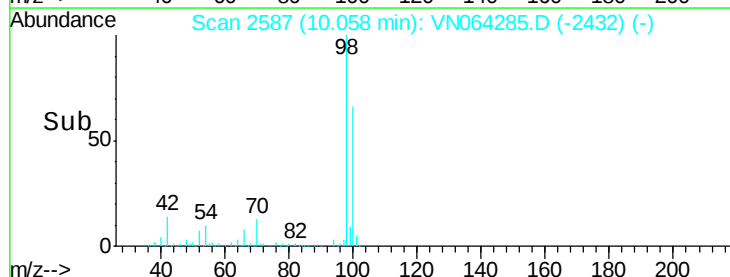
150000

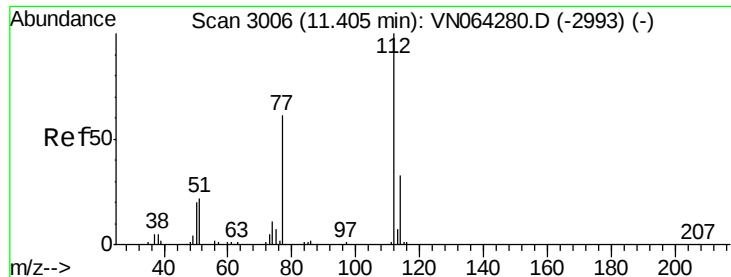
100000

50000

0

Time-->





#64

Chlorobenzene

Concen: 20.931 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampled :

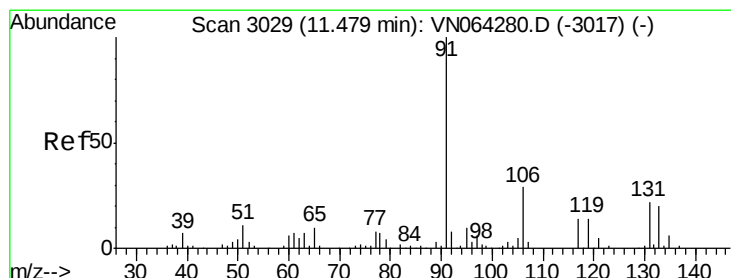
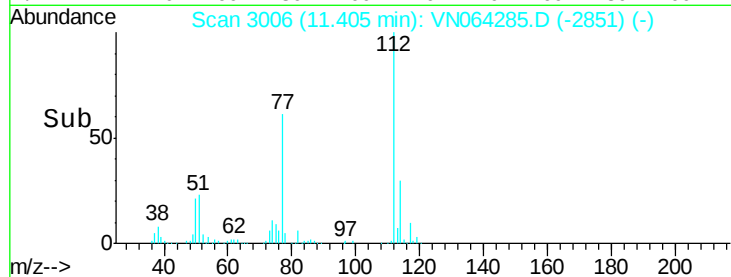
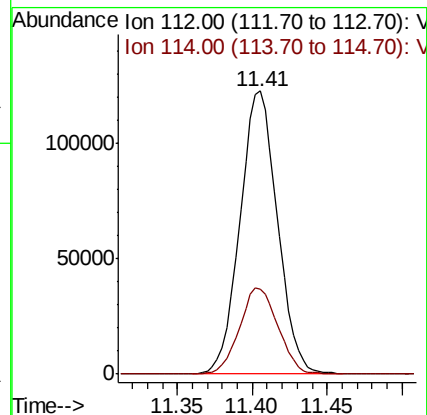
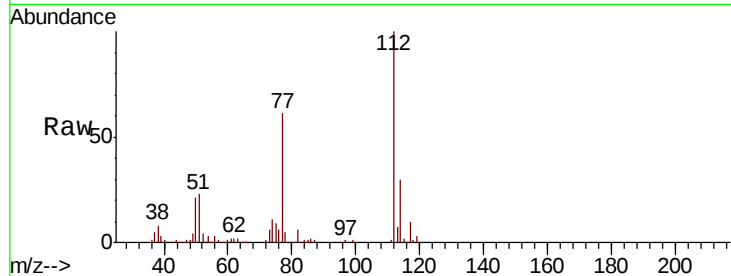
VSTDICCC020

Tot Ion:112 Resp: 213680

Ion Ratio Lower Upper

112 100

114 30.1 26.5 39.7



#65

1,1,1,2-Tetrachloroethane

Concen: 20.579 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

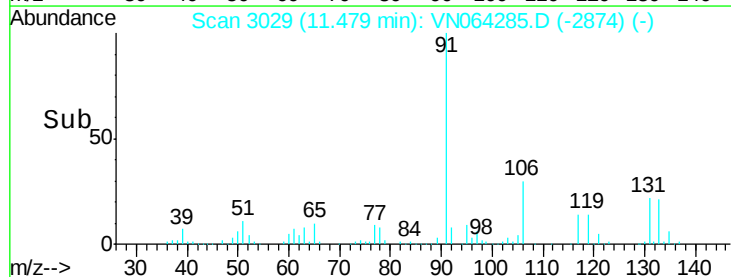
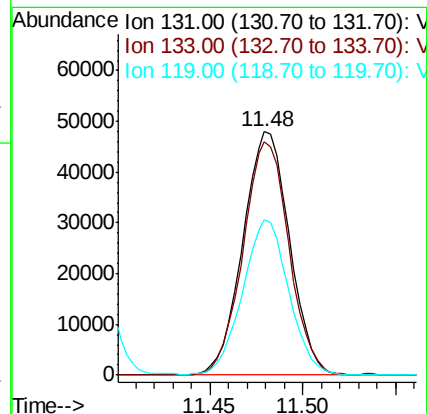
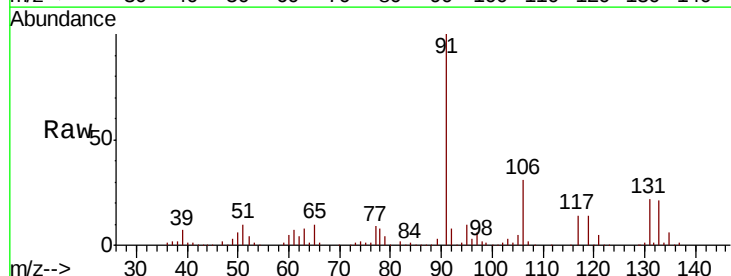
Tgt Ion:131 Resp: 83919

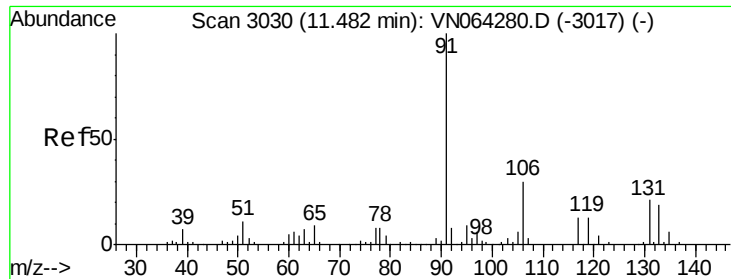
Ion Ratio Lower Upper

131 100

133 94.6 0.0 193.4

119 63.2 0.0 125.2

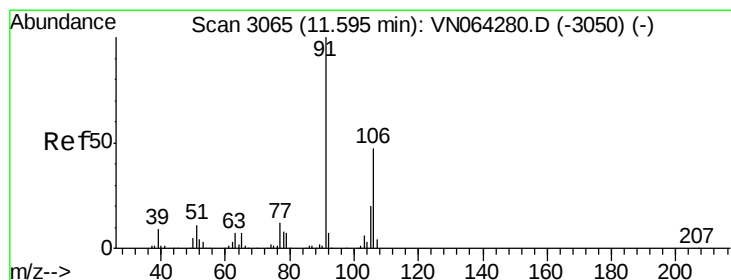
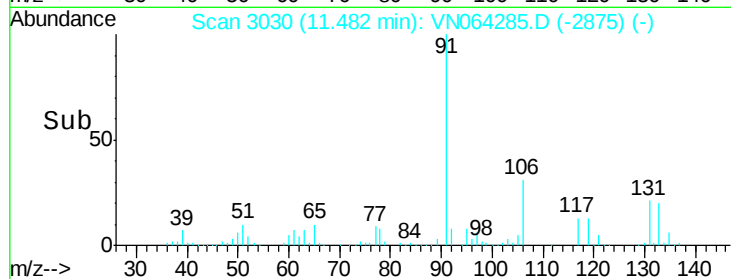
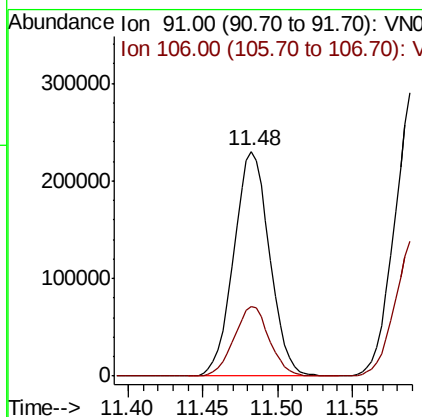
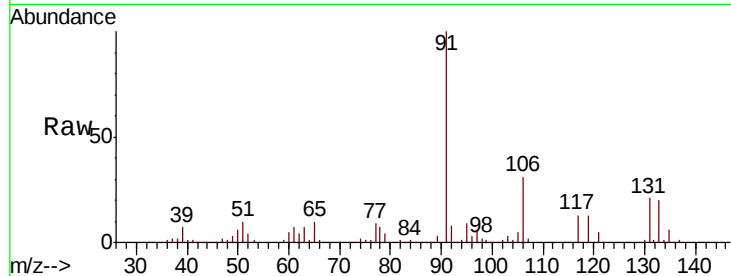




#66
Ethyl Benzene
Concen: 20.339 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

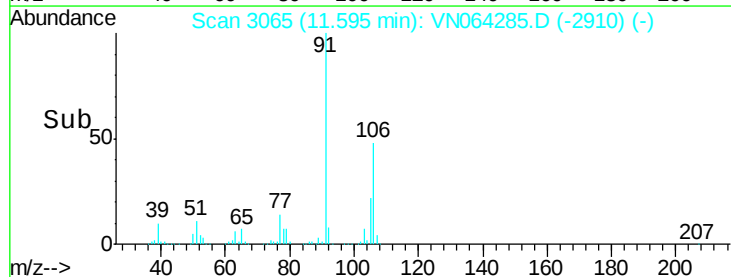
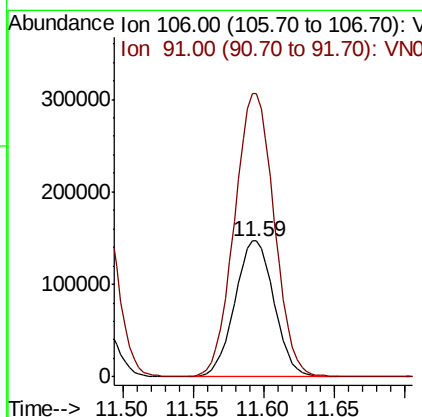
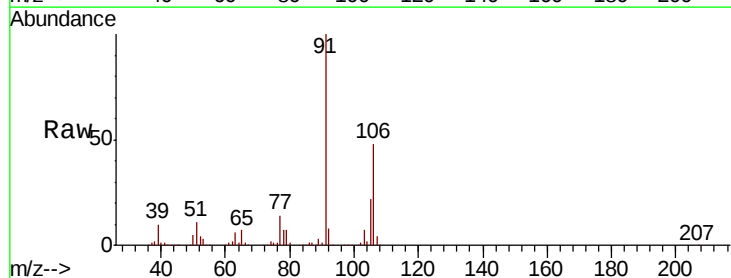
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

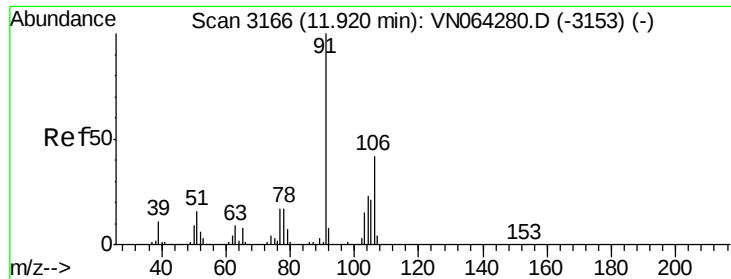
Tot Ion: 91 Resp: 383761
Ion Ratio Lower Upper
91 100
106 31.2 23.8 35.6



#67
m/p-Xylenes
Concen: 40.954 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion: 106 Resp: 286547
Ion Ratio Lower Upper
106 100
91 211.3 170.6 255.8

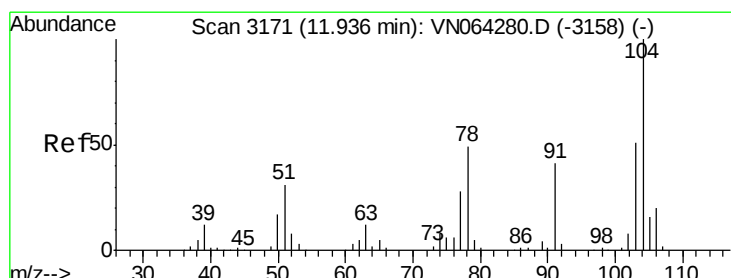
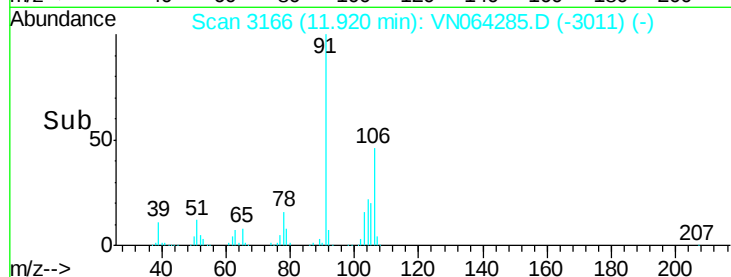
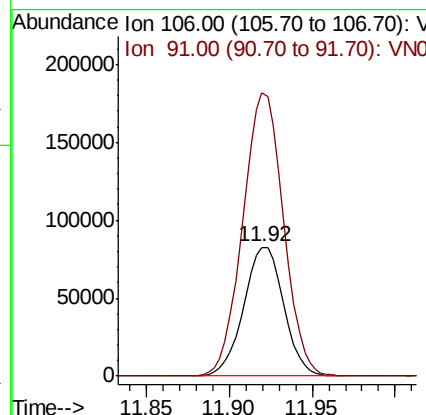
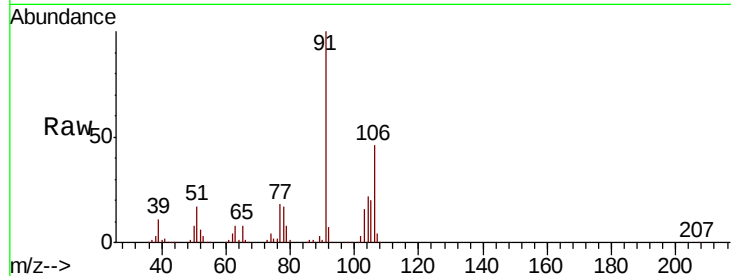




#68
o-Xylene
Concen: 20.450 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

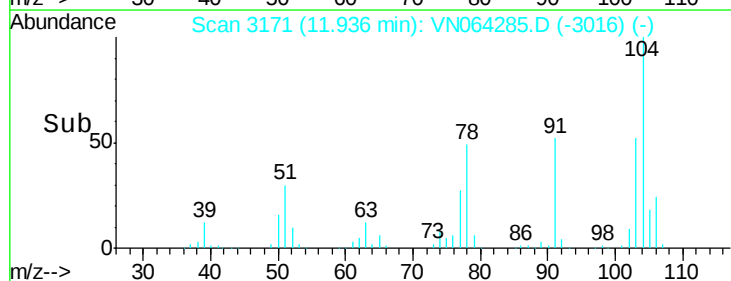
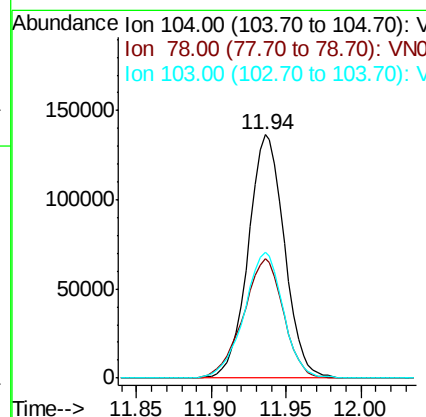
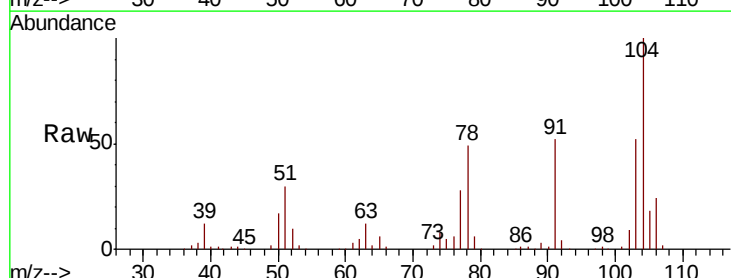
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

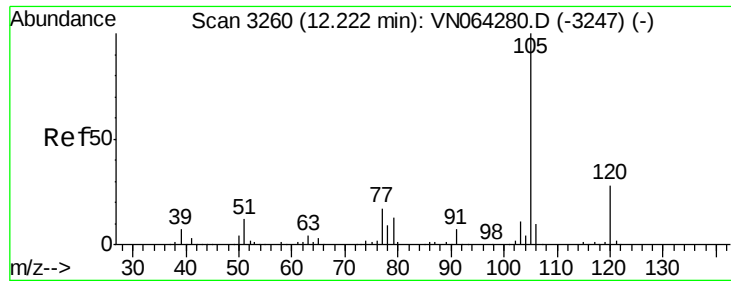
Tot Ion:106 Resp: 138939
Ion Ratio Lower Upper
106 100
91 223.0 115.3 346.0



#69
Styrene
Concen: 20.319 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion:104 Resp: 229851
Ion Ratio Lower Upper
104 100
78 54.6 45.4 68.2
103 55.8 44.6 67.0





#70

Isopropylbenzene

Concen: 20.466 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampled :

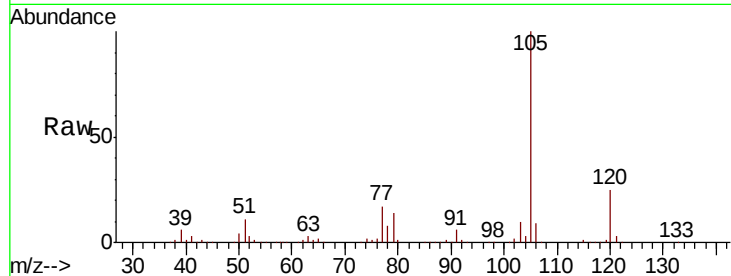
VSTDICCC020

Tot Ion:105 Resp: 367609

Ion Ratio Lower Upper

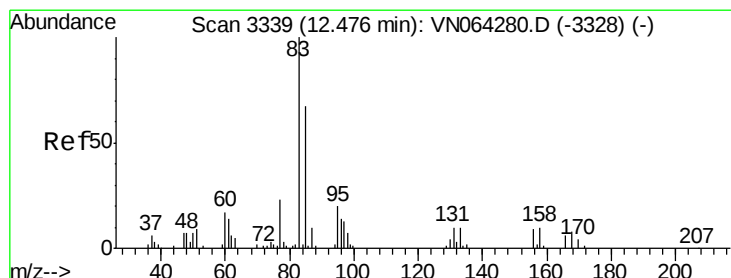
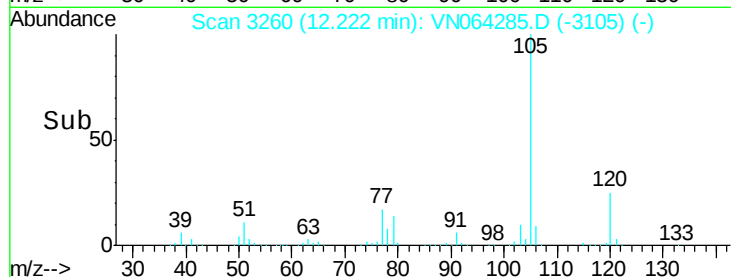
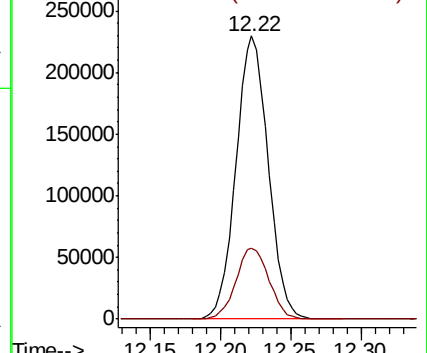
105 100

120 25.8 18.6 34.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 20.254 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

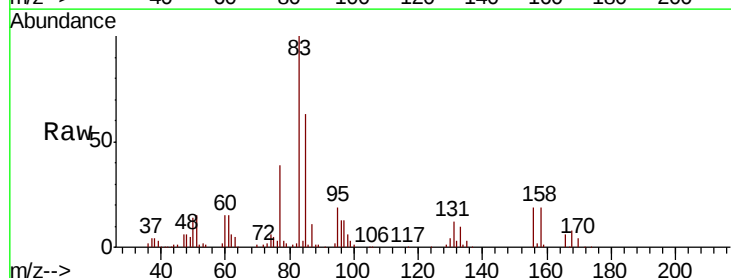
Tgt Ion: 83 Resp: 97583

Ion Ratio Lower Upper

83 100

131 12.4 5.7 17.0

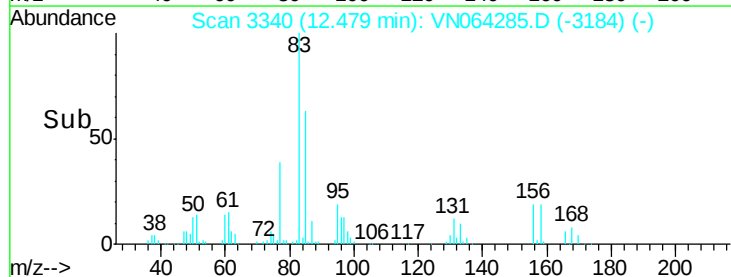
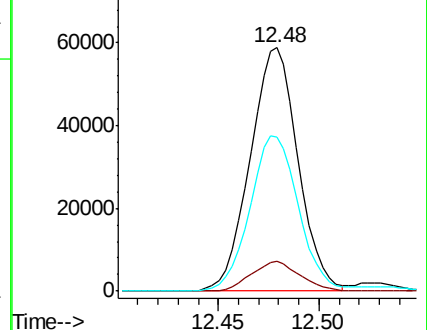
85 64.7 33.3 99.8

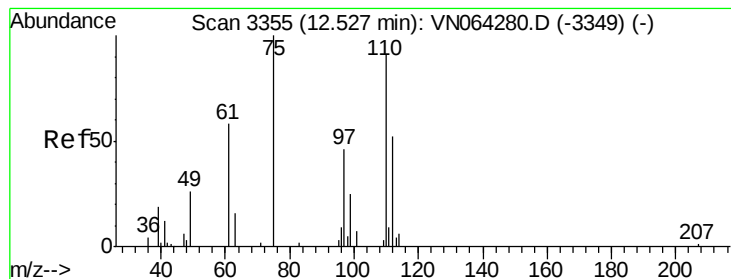


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VN0





#72

1,2,3-Trichloropropane

Concen: 30.451 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampled :

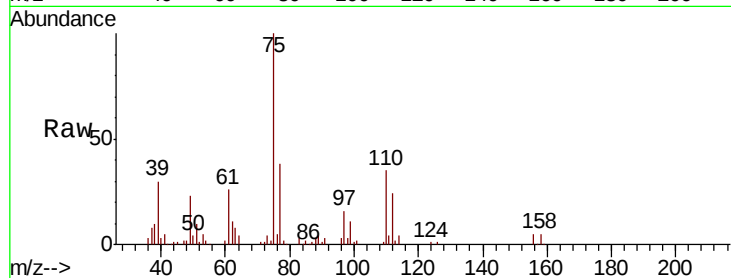
VSTDICCC020

Tot Ion: 75 Resp: 152351

Ion Ratio Lower Upper

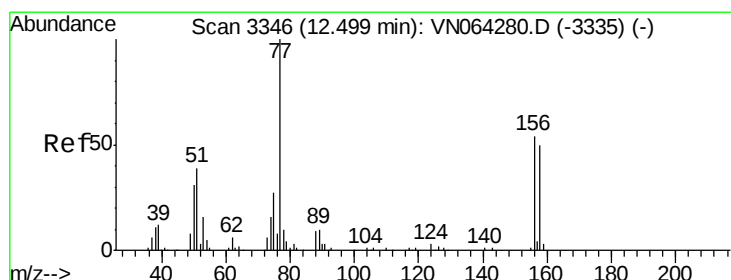
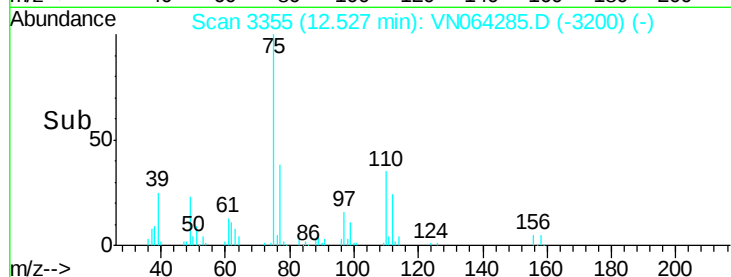
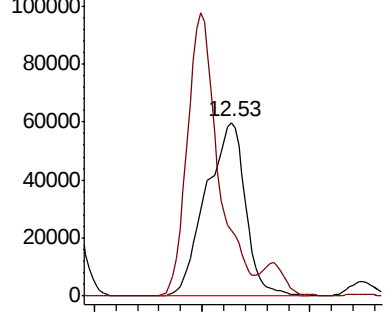
75 100

77 127.9 0.0 365.2



Abundance Ion 75.00 (74.70 to 75.70): VN064285.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN064285.D (-3351) (-)



#73

Bromobenzene

Concen: 20.402 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

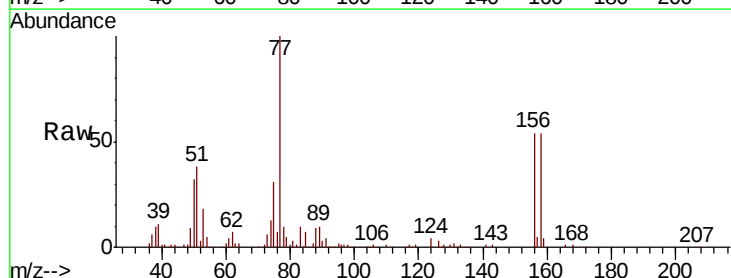
Tgt Ion: 156 Resp: 89144

Ion Ratio Lower Upper

156 100

77 218.7 0.0 450.2

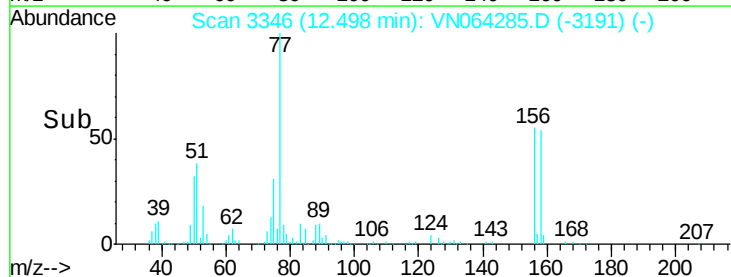
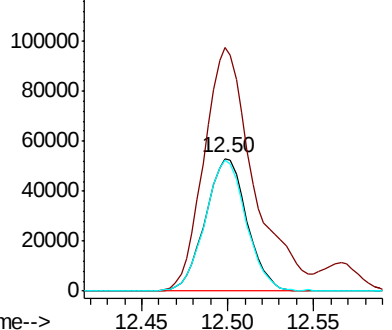
158 97.8 0.0 194.8

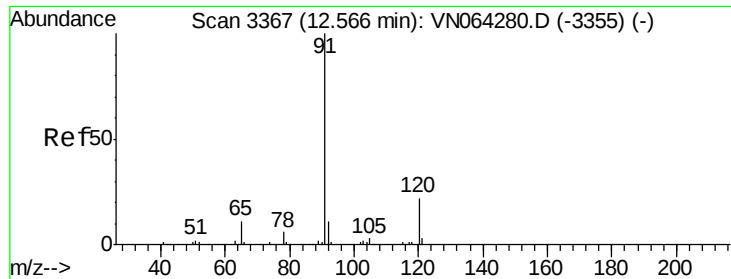


Abundance Ion 156.00 (155.70 to 156.70): VN064285.D (-3191) (-)

Ion 77.00 (76.70 to 77.70): VN064285.D (-3191) (-)

Ion 158.00 (157.70 to 158.70): VN064285.D (-3191) (-)





#74

n-propylbenzene

Concen: 20.673 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

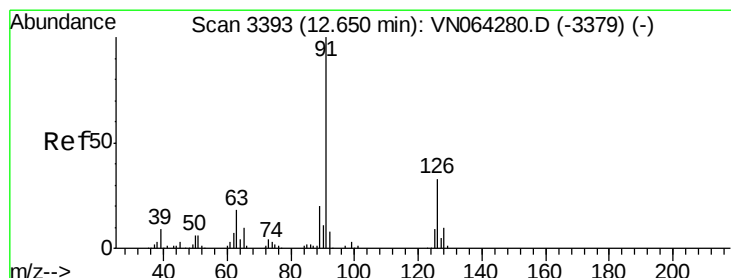
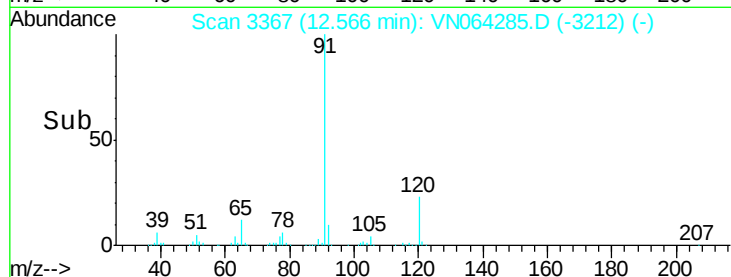
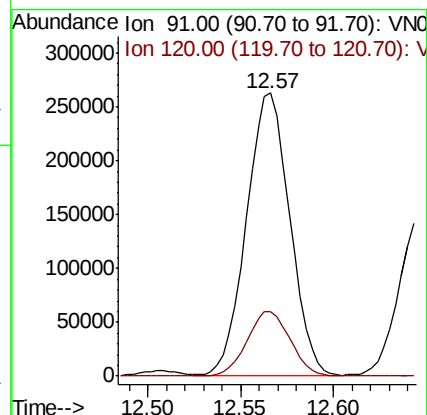
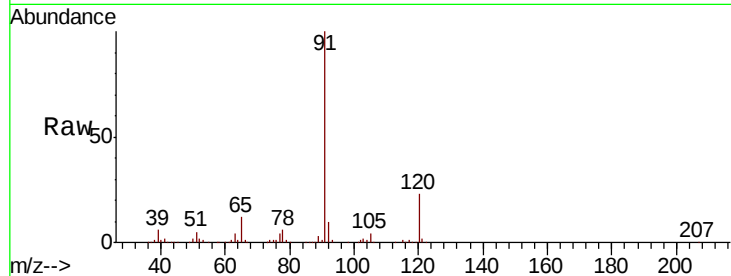
VSTDICCC020

Tot Ion: 91 Resp: 426084

Ion Ratio Lower Upper

91 100

120 22.8 0.0 43.6



#75

2-Chlorotoluene

Concen: 20.168 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064285.D

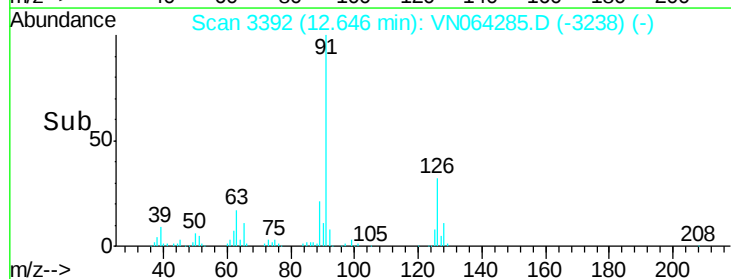
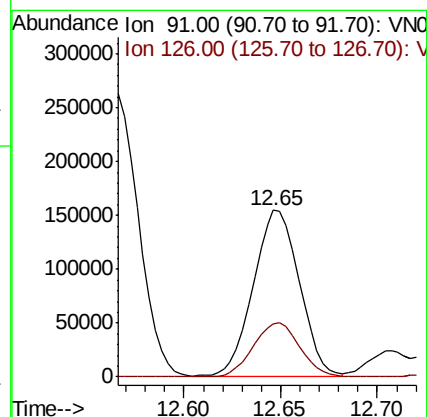
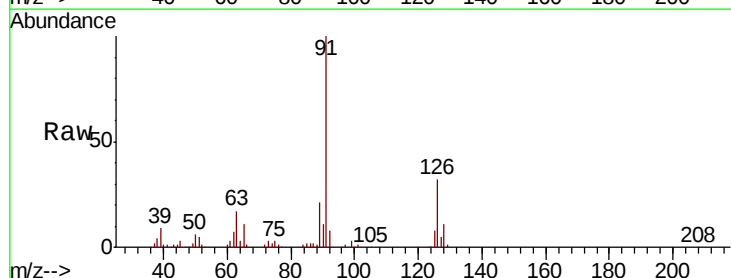
Acq: 23 Oct 2020 13:01

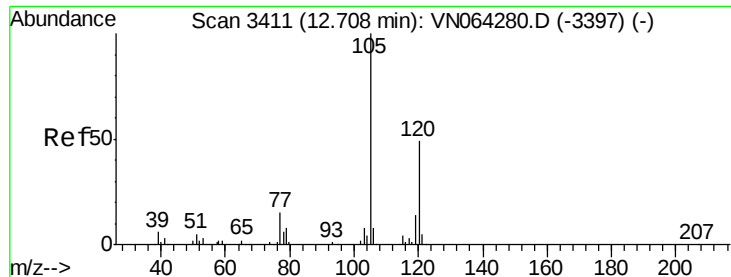
Tgt Ion: 91 Resp: 256665

Ion Ratio Lower Upper

91 100

126 32.9 0.0 62.8





#76

1,3,5-Trimethylbenzene

Concen: 20.442 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

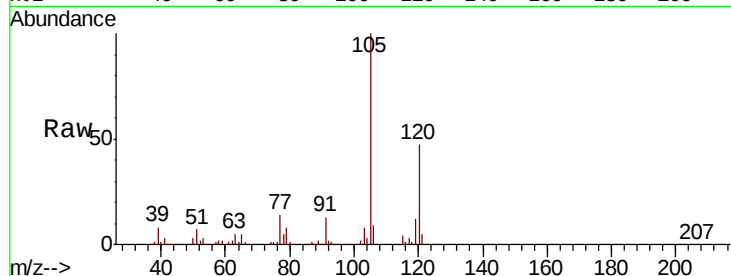
VSTDICCC020

Tot Ion:105 Resp: 311212

Ion Ratio Lower Upper

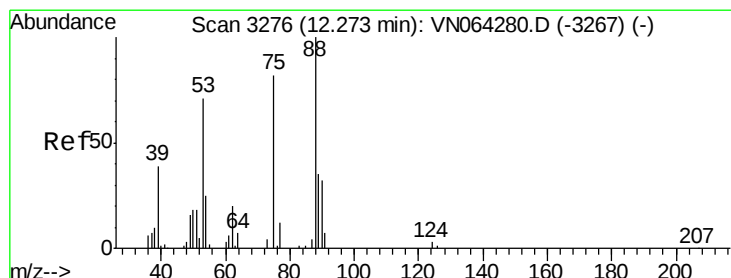
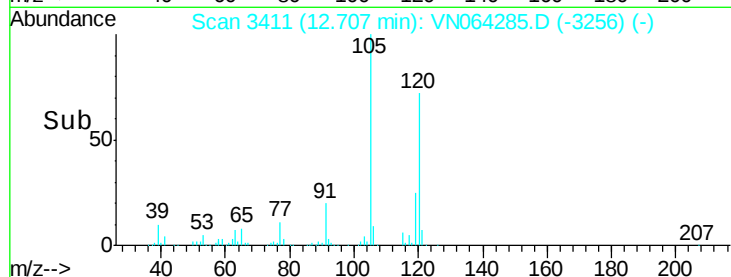
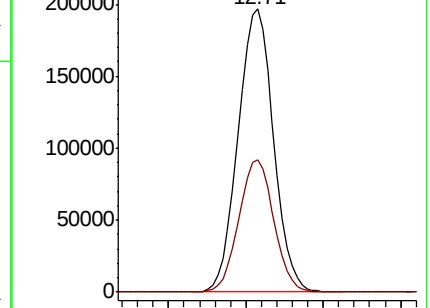
105 100

120 46.1 0.0 92.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 19.856 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

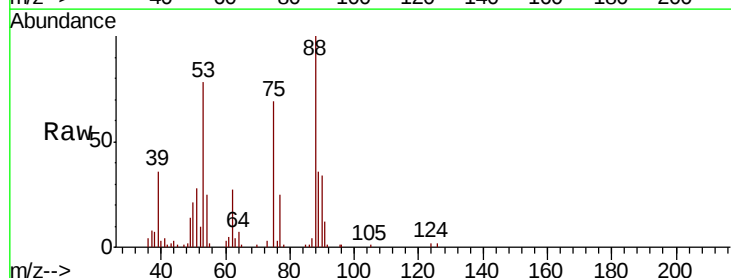
Tgt Ion: 75 Resp: 38415

Ion Ratio Lower Upper

75 100

53 113.2 44.8 134.3

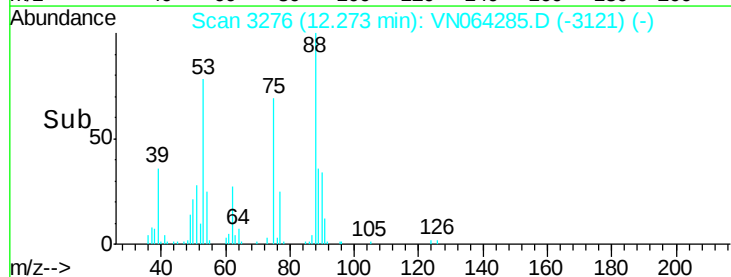
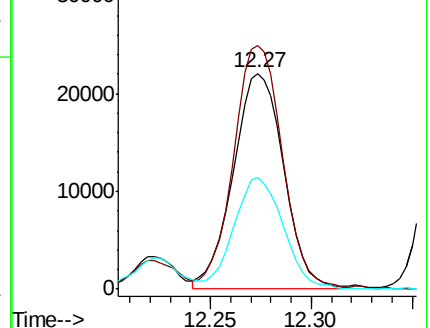
89 52.6 22.2 66.6

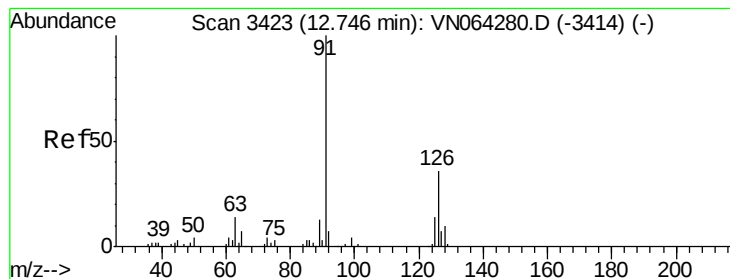


Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 89.00 (88.70 to 89.70): VNO





#78

4-Chlorotoluene

Concen: 20.419 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

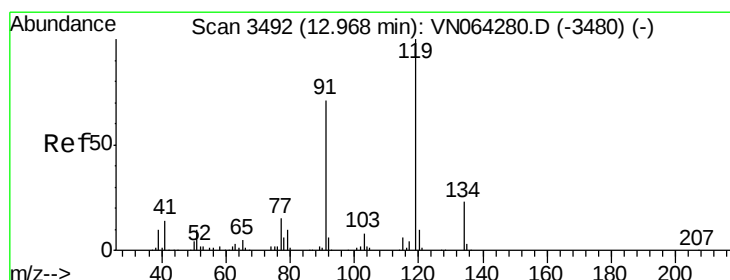
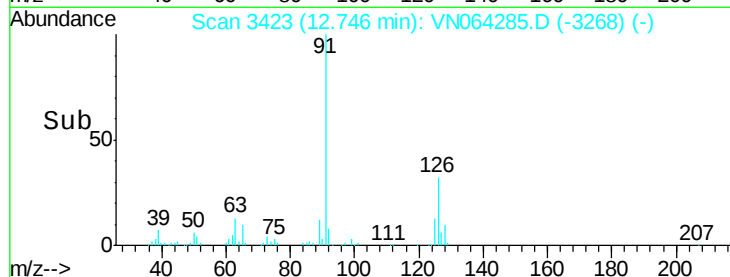
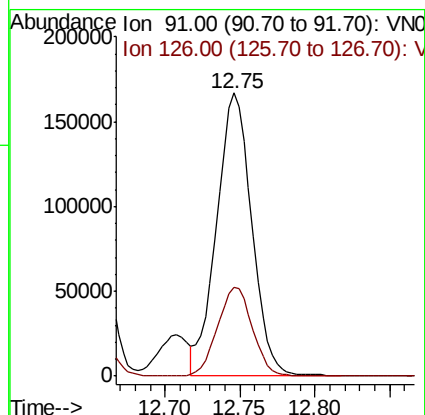
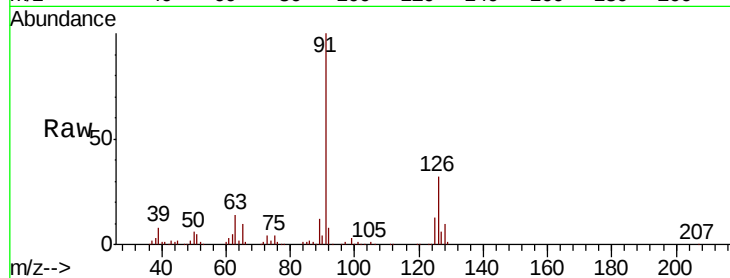
VSTDICCC020

Tot Ion: 91 Resp: 270928

Ion Ratio Lower Upper

91 100

126 31.1 0.0 62.2



#79

tert-butylbenzene

Concen: 20.653 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

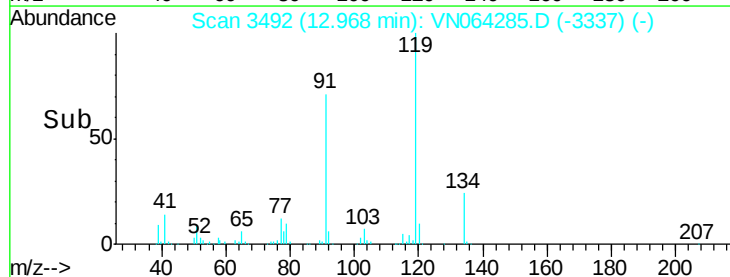
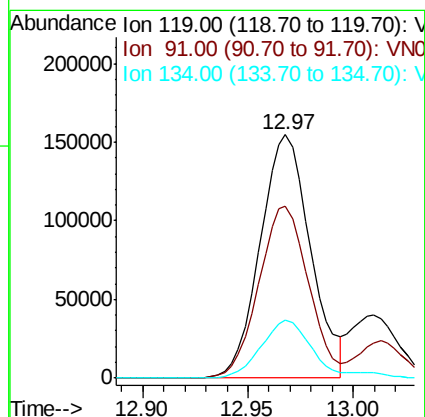
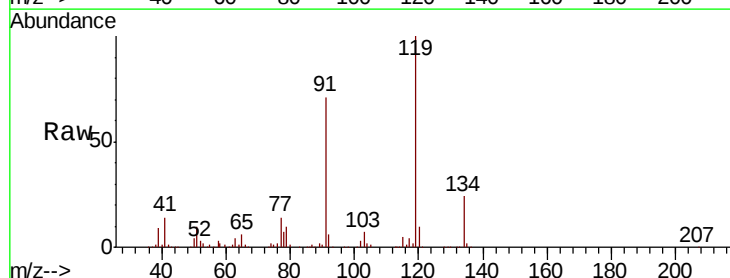
Tgt Ion: 119 Resp: 256966

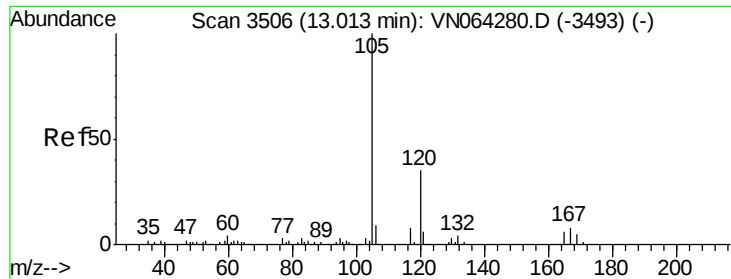
Ion Ratio Lower Upper

119 100

91 69.3 0.0 140.0

134 23.3 0.0 45.8

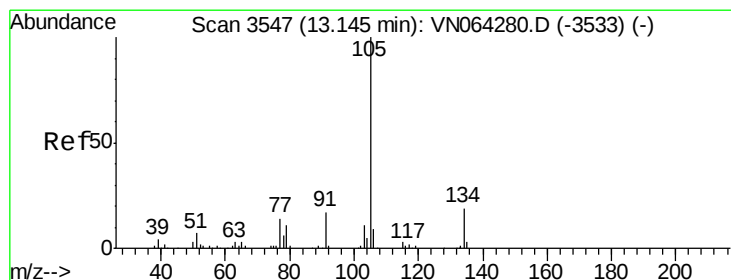
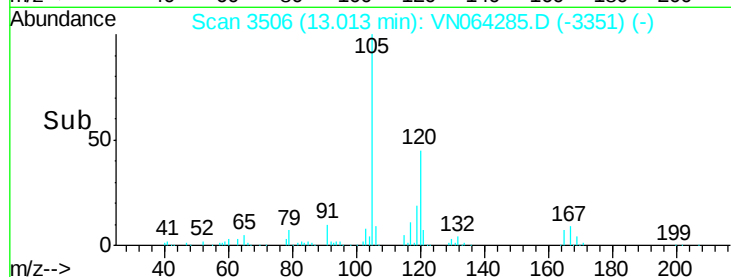
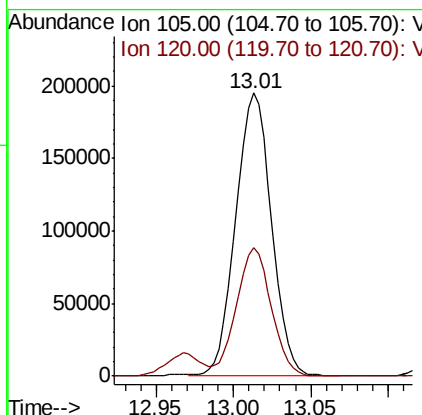
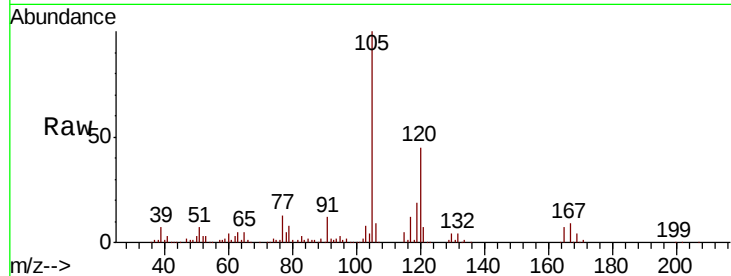




#80
1,2,4-Trimethylbenzene
Concen: 20.324 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

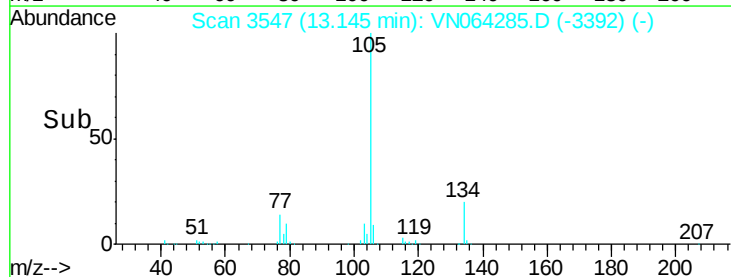
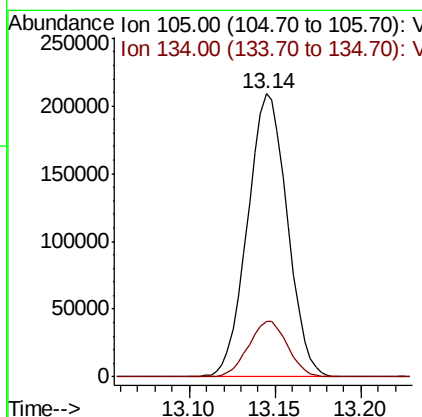
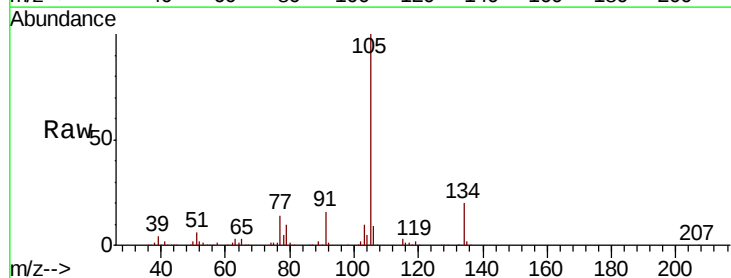
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

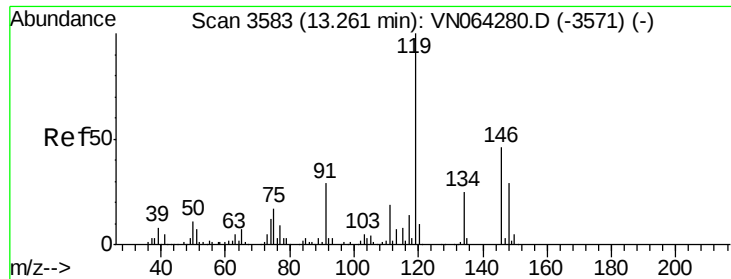
Tot Ion:105 Resp: 314027
Ion Ratio Lower Upper
105 100
120 44.2 0.0 87.4



#81
sec-Butylbenzene
Concen: 20.728 ug/l
RT: 13.14 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion:105 Resp: 334785
Ion Ratio Lower Upper
105 100
134 19.4 0.0 36.8

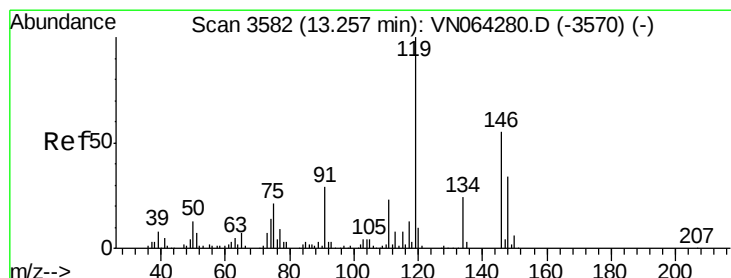
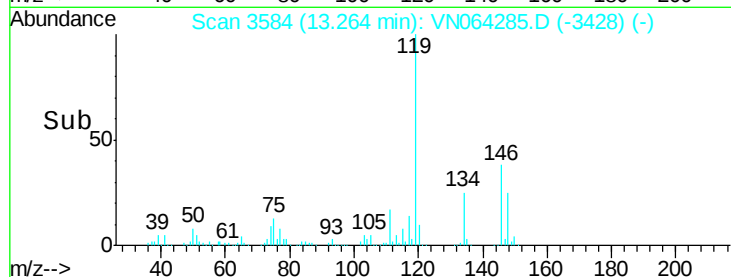
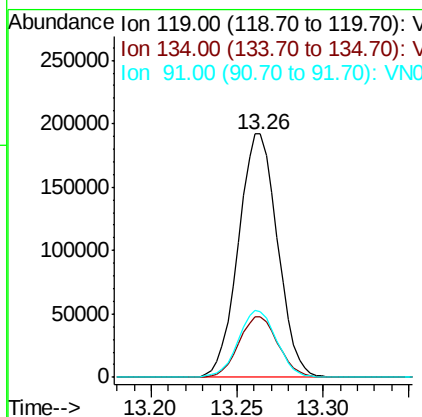
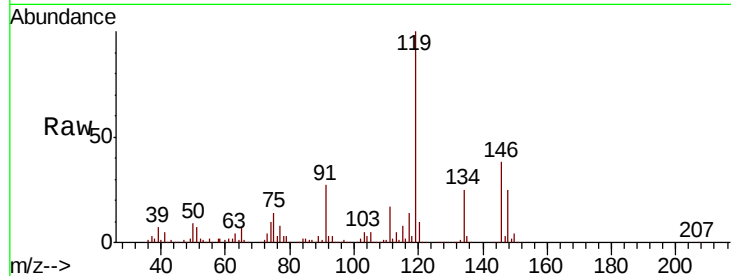




#82
p-Isopropyltoluene
Concen: 20.480 ug/l
RT: 13.26 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

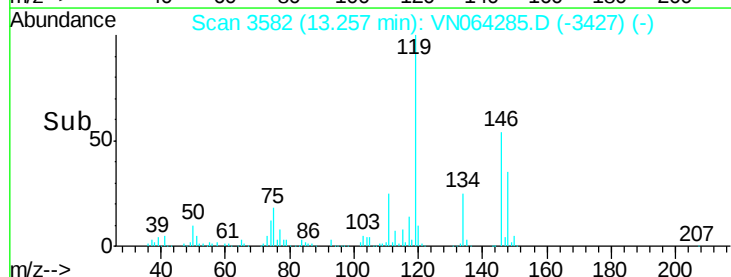
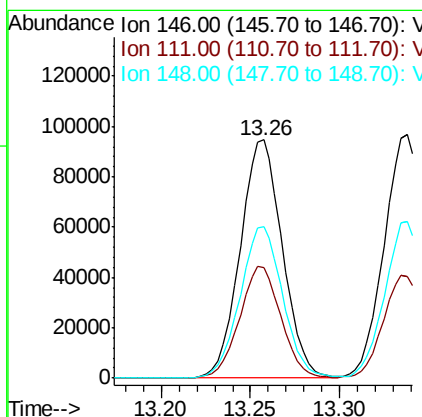
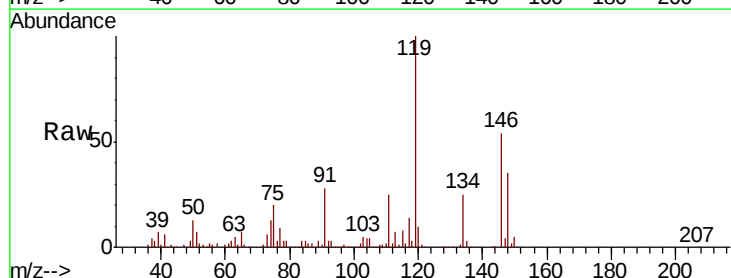
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

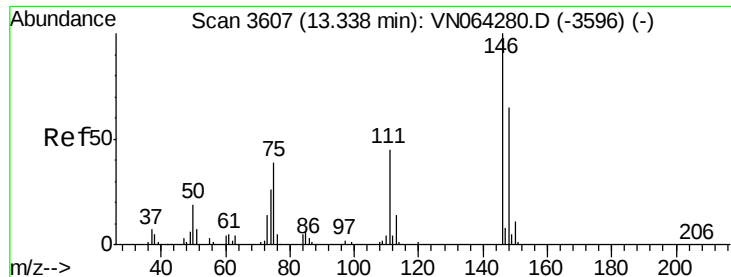
Tot Ion:119 Resp: 303556
Ion Ratio Lower Upper
119 100
134 25.0 0.0 47.8
91 27.2 0.0 55.8



#83
1,3-Dichlorobenzene
Concen: 20.305 ug/l
RT: 13.26 min Scan# 3582
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion:146 Resp: 156487
Ion Ratio Lower Upper
146 100
111 46.0 22.1 66.5
148 64.5 31.9 95.5

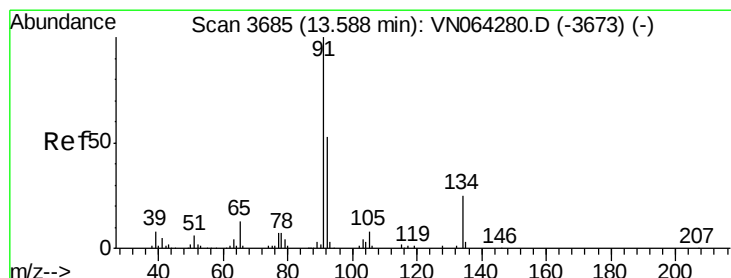
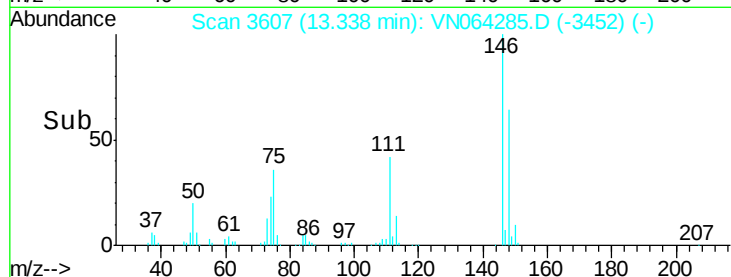
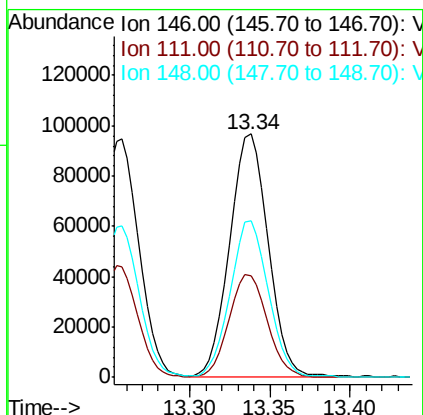
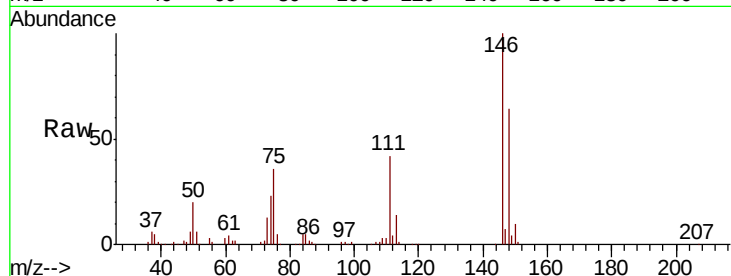




#84
 1,4-Dichlorobenzene
 Concen: 20.291 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

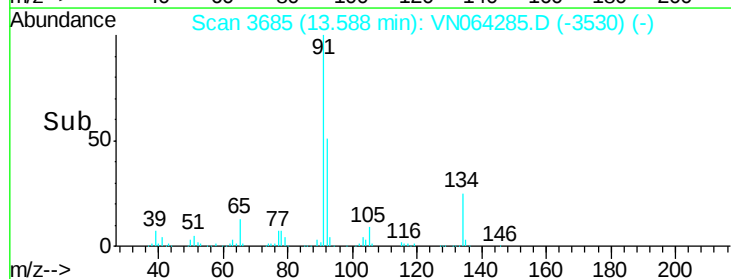
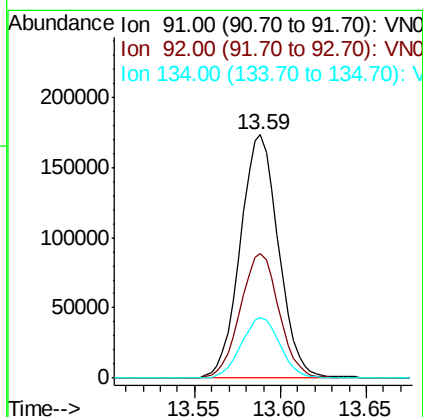
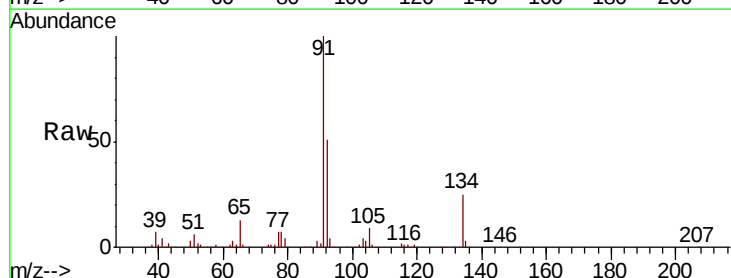
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

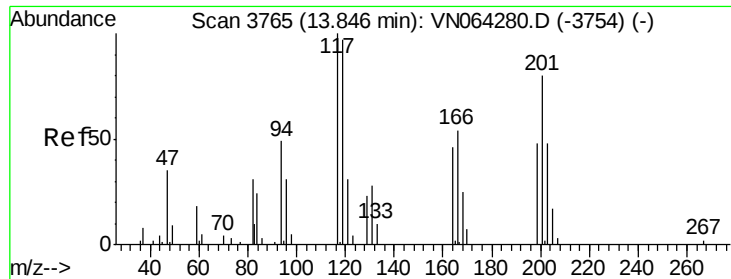
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.3	61.0
148	63.4	31.4	94.3



#85
 n-Butylbenzene
 Concen: 20.545 ug/l
 RT: 13.59 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	0.0	110.0
134	25.2	0.0	51.6

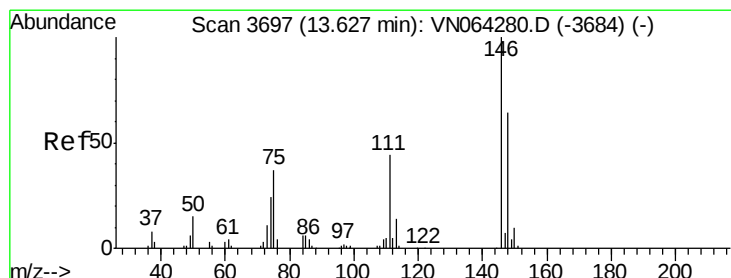
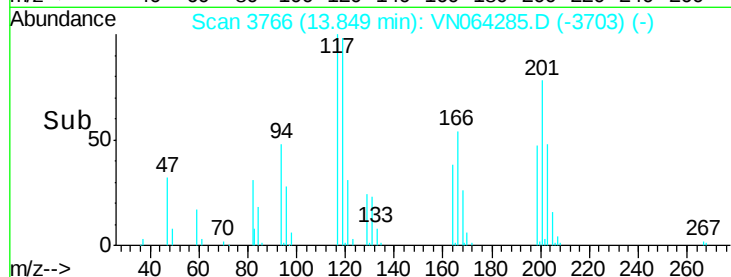
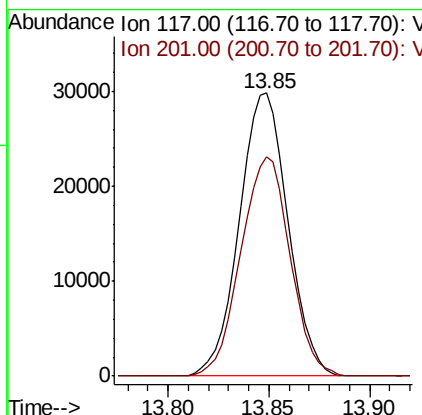
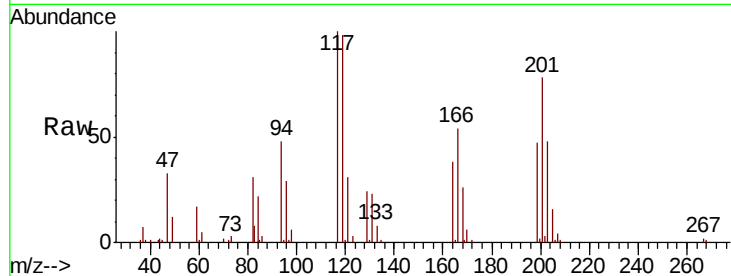




#86
Hexachloroethane
Concen: 20.144 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

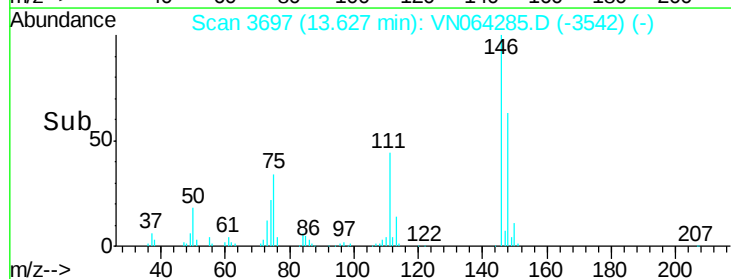
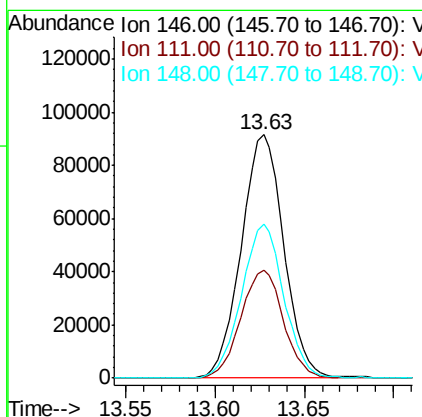
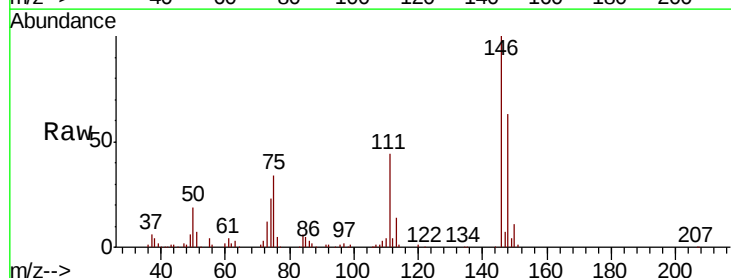
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

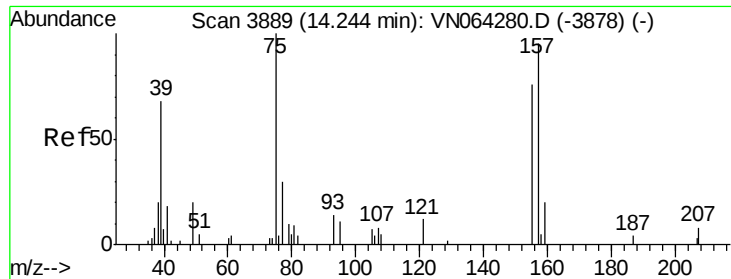
Tot Ion:117 Resp: 50413
Ion Ratio Lower Upper
117 100
201 78.4 37.2 111.6



#87
1,2-Dichlorobenzene
Concen: 20.275 ug/l
RT: 13.63 min Scan# 3697
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion:146 Resp: 152460
Ion Ratio Lower Upper
146 100
111 44.3 23.1 69.3
148 62.9 32.3 96.8





#88

1,2-Dibromo-3-Chloropropane

Concen: 20.189 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

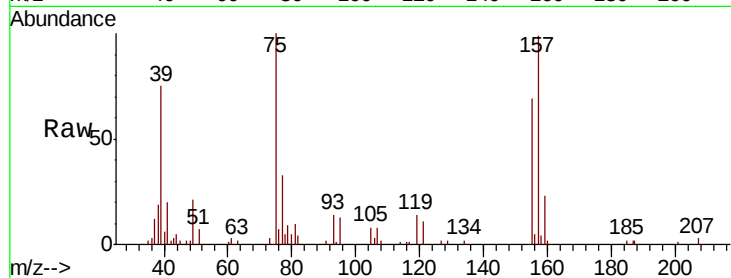
Tot Ion: 75 Resp: 23703

Ion Ratio Lower Upper

75 100

155 69.2 56.6 84.8

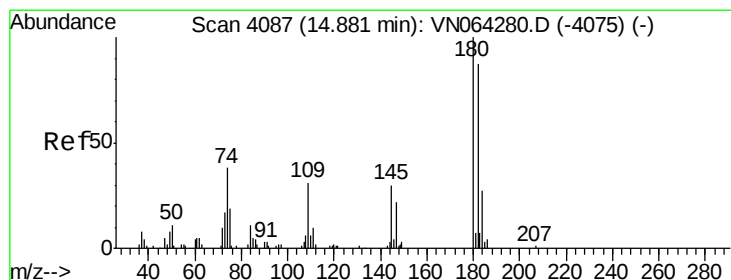
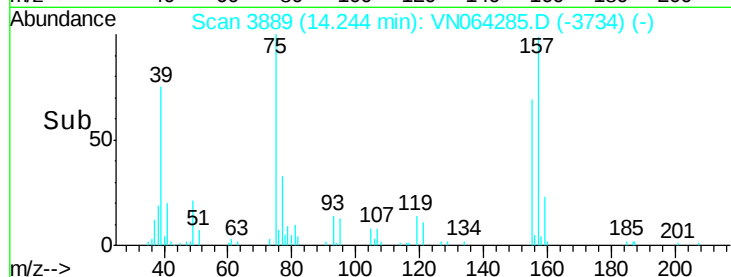
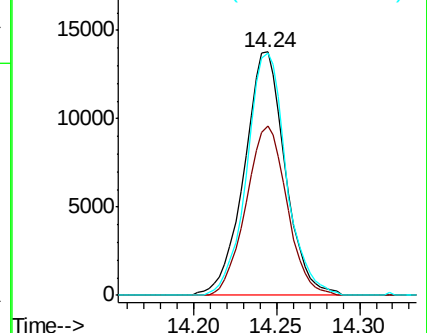
157 95.9 70.1 105.1



Abundance Ion 75.00 (74.70 to 75.70): VN064280.D (-3878) (-)

Ion 155.00 (154.70 to 155.70): VN064280.D (-3878) (-)

Ion 157.00 (156.70 to 157.70): VN064280.D (-3878) (-)



#89

1,2,4-Trichlorobenzene

Concen: 20.178 ug/l

RT: 14.88 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN064285.D

Acq: 23 Oct 2020 13:01

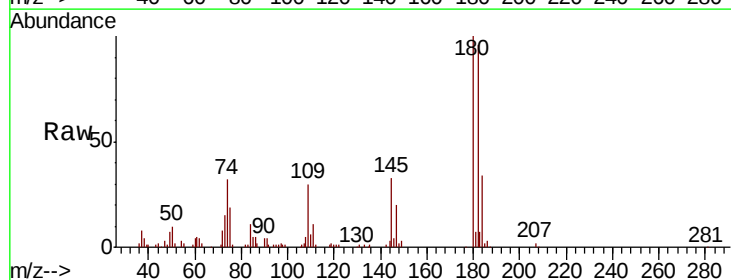
Tgt Ion: 180 Resp: 86554

Ion Ratio Lower Upper

180 100

182 97.0 71.3 106.9

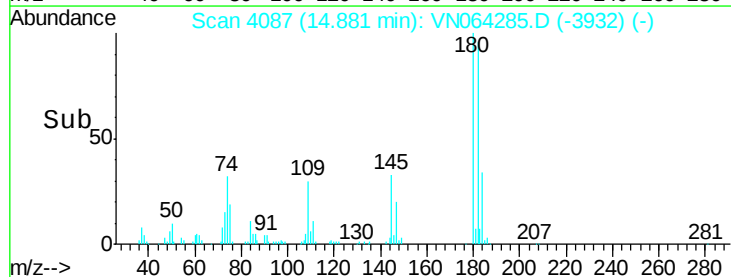
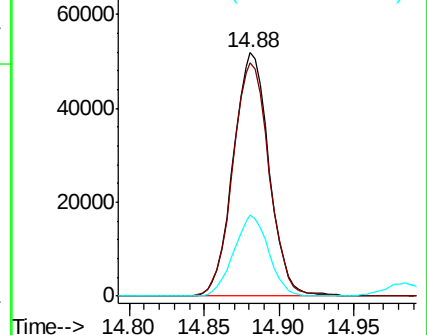
145 32.2 23.9 35.9

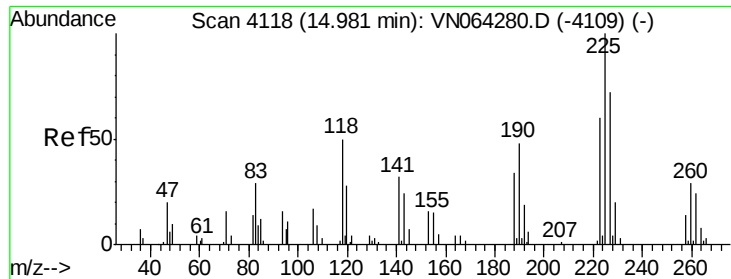


Abundance Ion 180.00 (179.70 to 180.70): VN064280.D (-4075) (-)

Ion 182.00 (181.70 to 182.70): VN064280.D (-4075) (-)

Ion 145.00 (144.70 to 145.70): VN064280.D (-4075) (-)

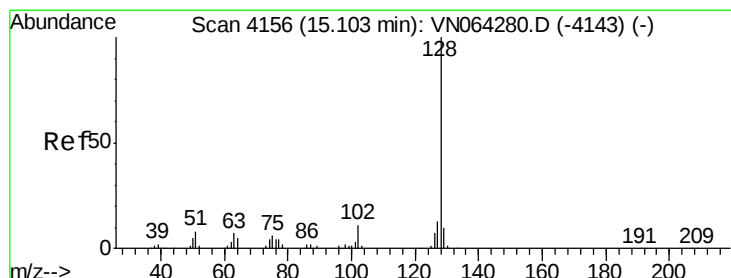
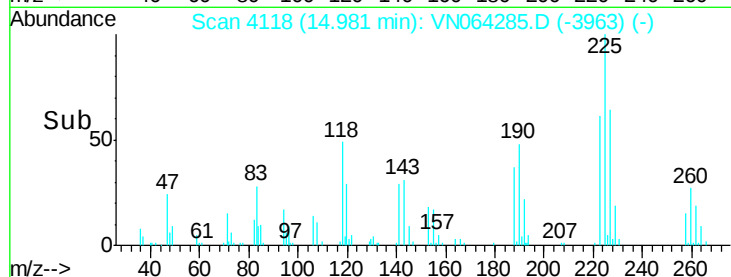
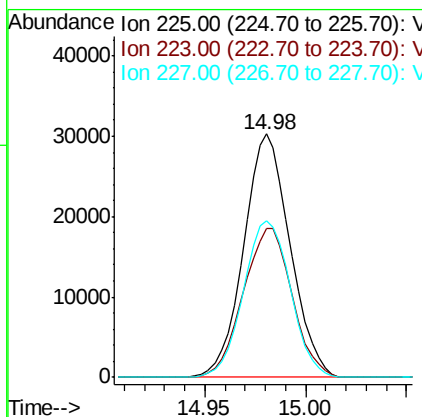
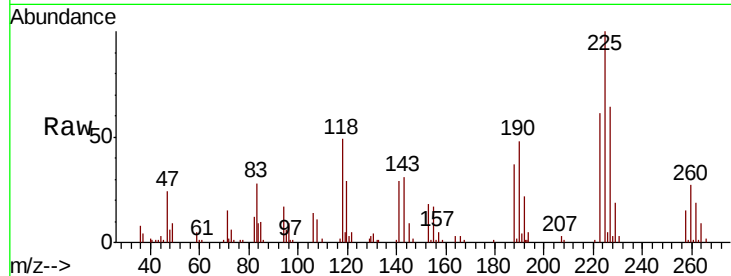




#90
Hexachlorobutadiene
Concen: 20.717 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

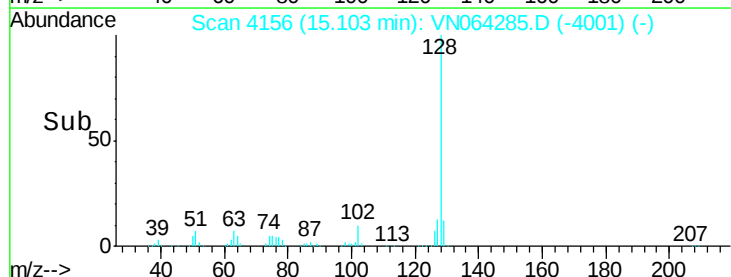
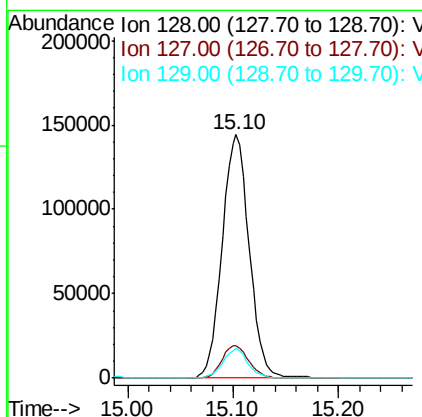
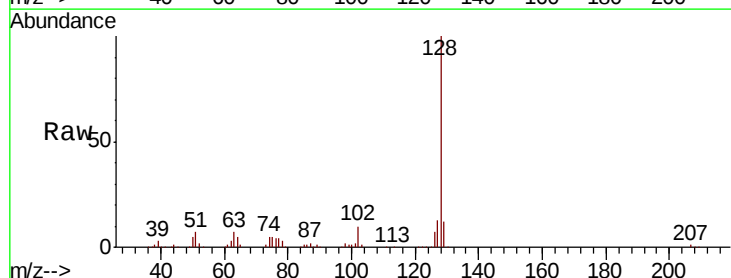
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

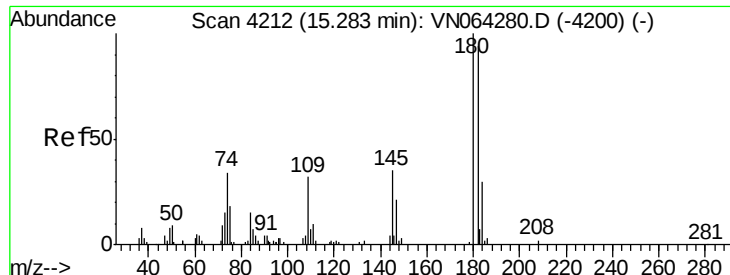
Tot Ion:225 Resp: 48660
Ion Ratio Lower Upper
225 100
223 64.4 0.0 129.8
227 65.3 0.0 128.6



#91
Naphthalene
Concen: 20.367 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064285.D
Acq: 23 Oct 2020 13:01

Tgt Ion:128 Resp: 255487
Ion Ratio Lower Upper
128 100
127 13.2 9.9 14.9
129 11.3 8.3 12.5





#92
 1,2,3-Trichlorobenzene
 Concen: 20.662 ug/l
 RT: 15.28 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN064285.D
 Acq: 23 Oct 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	0.0	188.8
145	33.8	0.0	70.0

