

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064191.D
 Acq On : 20 Oct 2020 10:24
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Oct 20 11:11:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:03:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.14	128	54515	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	313721	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	276900	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	139155	28.78	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.93%
60) 4-Bromofluorobenzene	12.37	95	150427	31.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.90%
63) Toluene-d8	10.06	98	379335	30.20	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	71511	20.080	ug/l 100
3) Chloromethane	2.04	50	71700	19.393	ug/l 100
4) Vinyl Chloride	2.16	62	71068	19.323	ug/l 100
5) Bromomethane	2.54	94	41015	17.600	ug/l 100
6) Chloroethane	2.68	64	40777	17.918	ug/l 100
7) Trichlorofluoromethane	2.99	101	118296	20.090	ug/l 100
8) Diethyl Ether	3.37	74	37084	19.453	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	59574	19.639	ug/l 100
10) 1,1-Dichloroethene	3.70	96	56320	19.639	ug/l 100
11) Methyl Iodide	3.91	142	77992	20.948	ug/l 100
12) Methyl Acetate	4.28	43	57576	16.913	ug/l 100
13) Acrolein	3.57	56	27321	79.073	ug/l # 1
14) Acrylonitrile	4.93	53	114776	81.717	ug/l 100
15) Acetone	3.77	58	29720	74.941	ug/l 100
16) Carbon Disulfide	4.01	76	161064	19.054	ug/l 100
17) Allyl chloride	4.28	41	103584	19.701	ug/l 100
18) Methylene Chloride	4.51	84	61641	18.327	ug/l 100
19) trans-1,2-Dichloroethene	4.99	96	60317	18.654	ug/l 100
20) Diisopropyl ether	5.90	45	191990	18.176	ug/l 100
21) 1,1-Dichloroethane	5.80	63	117420	18.435	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	70931	19.218	ug/l 100
23) tert-Butyl Alcohol	4.72	59	50856	84.406	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	185619	19.377	ug/l 100
25) Chloroform	7.33	83	120942	18.135	ug/l 100
26) Cyclohexane	7.61	56	91012	19.352	ug/l 100
29) 1,1-Dichloropropene	7.75	75	93315	17.766	ug/l 100
30) 2-Butanone	6.78	43	179120	71.955	ug/l 100
31) 2,2-Dichloropropane	6.77	77	117695	18.609	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	116450	17.488	ug/l 100
33) Carbon Tetrachloride	7.73	117	106378	18.049	ug/l 100
34) Benzene	8.00	78	250955	16.970	ug/l 100
35) Methacrylonitrile	7.12	41	38779	15.855	ug/l 100
36) 1,2-Dichloroethane	8.08	62	102426	15.941	ug/l 100
37) Trichloroethene	8.80	130	69108	17.564	ug/l 100
38) Methylcyclohexane	9.05	83	85537	18.871	ug/l 100
39) 1,2-Dichloropropane	9.08	63	67600	16.906	ug/l 100
40) Dibromomethane	9.17	93	46202	16.607	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064191.D
 Acq On : 20 Oct 2020 10:24
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Oct 20 11:11:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:03:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	100684	17.152	ug/l	100
42) Vinyl Acetate	5.84	43	881265	83.235	ug/l	100
43) Ethyl Acetate	6.87	43	79719	14.781	ug/l	100
44) Isopropyl Acetate	8.12	43	155899	17.130	ug/l	100
45) 1,4-Dioxane	9.16	88	16648	292.384	ug/l	100
46) Methyl methacrylate	9.16	41	74473	16.585	ug/l	100
47) n-amyl Acetate	12.04	43	130427	16.084	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	112777	17.661	ug/l	100
49) cis-1,3-Dichloropropene	9.80	75	115622	17.423	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	63041	16.781	ug/l	100
51) Ethyl methacrylate	10.40	69	97256	17.569	ug/l	100
52) 1,3-Dichloropropane	10.68	76	106817	16.597	ug/l	100
53) Dibromochloromethane	10.87	129	77887	17.841	ug/l	100
54) 1,2-Dibromoethane	10.98	107	66387	16.881	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	251802	84.744	ug/l	100
56) Bromoform	12.10	173	53596	17.525	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	404622	80.386	ug/l	100
59) 2-Hexanone	10.72	43	298158	79.241	ug/l	100
61) Tetrachloroethene	10.60	164	65291	19.212	ug/l	100
62) Toluene	10.12	91	276865	18.050	ug/l	100
64) Chlorobenzene	11.40	112	172693	18.445	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	66822	18.311	ug/l	100
66) Ethyl Benzene	11.48	91	321488	18.832	ug/l	100
67) m/p-Xylenes	11.59	106	234672	37.176	ug/l	100
68) o-Xylene	11.92	106	111426	18.451	ug/l	100
69) Styrene	11.94	104	190174	18.444	ug/l	100
70) Isopropylbenzene	12.22	105	302657	18.812	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	81525	16.512	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	119219	24.178	ug/l	52
73) Bromobenzene	12.50	156	74375	18.254	ug/l	100
74) n-propylbenzene	12.56	91	343581	18.355	ug/l	100
75) 2-Chlorotoluene	12.65	91	211566	18.512	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	254936	18.770	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	32894	17.873	ug/l	100
78) 4-Chlorotoluene	12.75	91	218337	18.124	ug/l	100
79) tert-butylbenzene	12.97	119	209657	19.129	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	262175	19.198	ug/l	100
81) sec-Butylbenzene	13.14	105	274822	19.128	ug/l	100
82) p-Isopropyltoluene	13.26	119	253420	19.341	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	126743	17.645	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	129988	18.082	ug/l	100
85) n-Butylbenzene	13.59	91	219925	19.207	ug/l	100
86) Hexachloroethane	13.85	117	43535	19.292	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	122053	17.440	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	19871	16.774	ug/l	100
89) 1,2,4-Trichlorobenzene	14.88	180	76806	20.562	ug/l	100
90) Hexachlorobutadiene	14.98	225	38383	19.861	ug/l	100
91) Naphthalene	15.10	128	223643	19.887	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	71623	19.957	ug/l	100

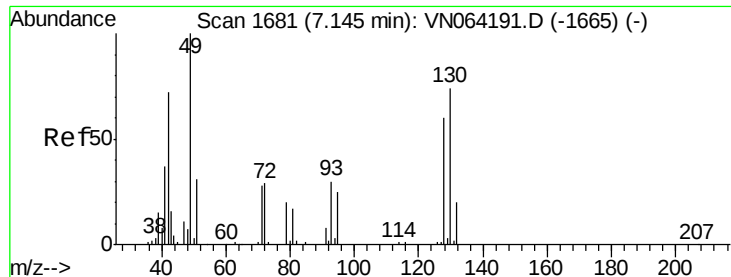
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
Data File : VN064191.D
Acq On : 20 Oct 2020 10:24
Operator : JC/MD
Sample : VSTDICCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Quant Time: Oct 20 11:11:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 20 11:03:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

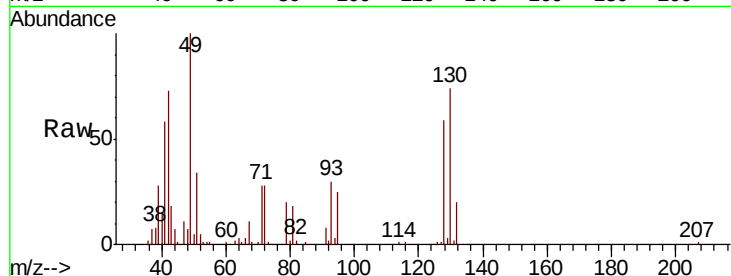
Tot Ion:128 Resp: 54515

Ion Ratio Lower Upper

128 100

49 173.3 0.0 433.3

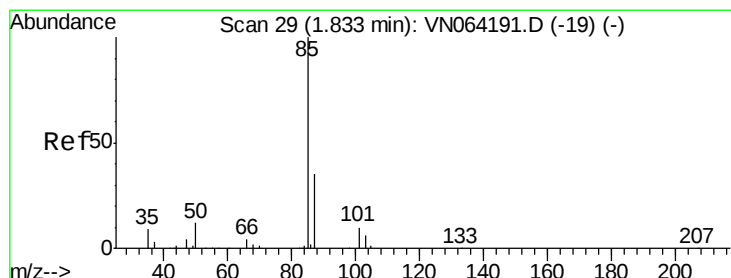
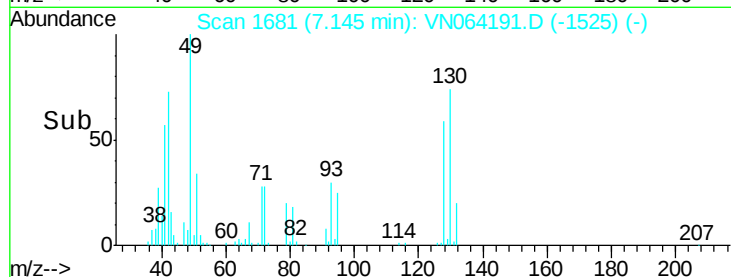
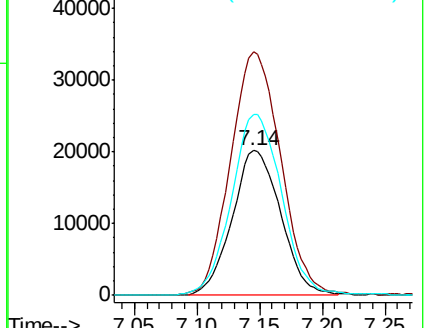
130 129.0 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.080 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064191.D

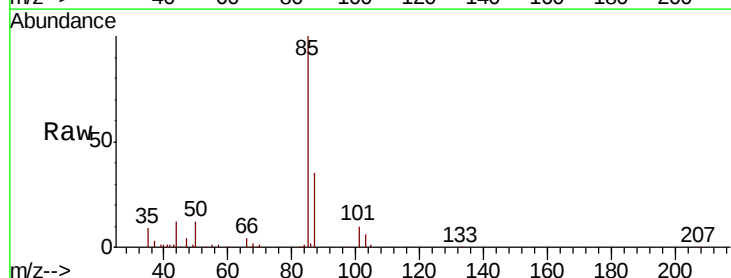
Acq: 20 Oct 2020 10:24

Tgt Ion: 85 Resp: 71511

Ion Ratio Lower Upper

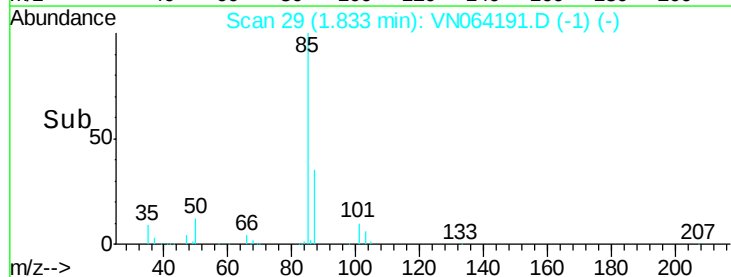
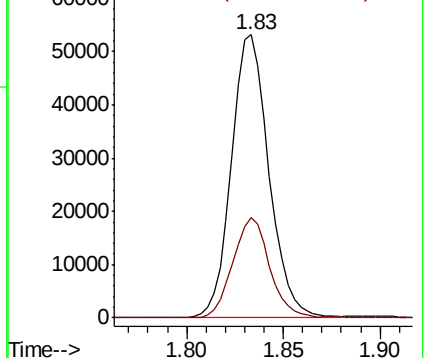
85 100

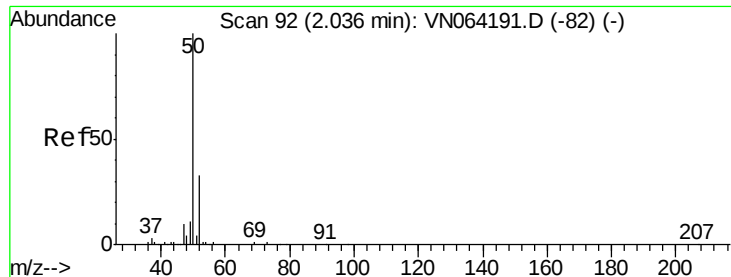
87 35.5 17.8 53.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.393 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampled :

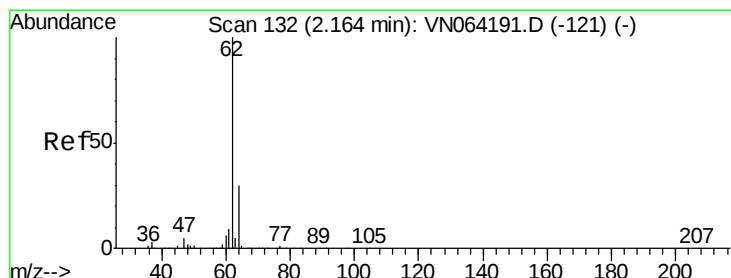
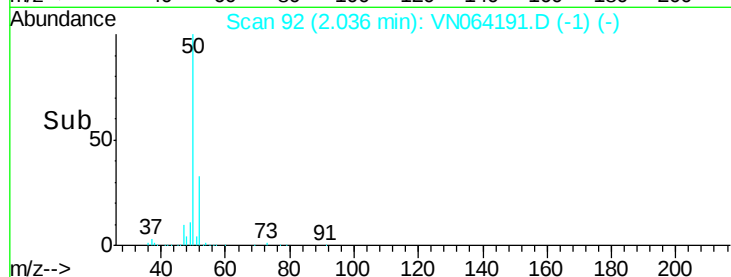
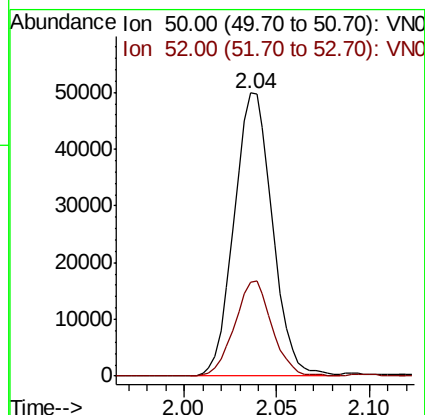
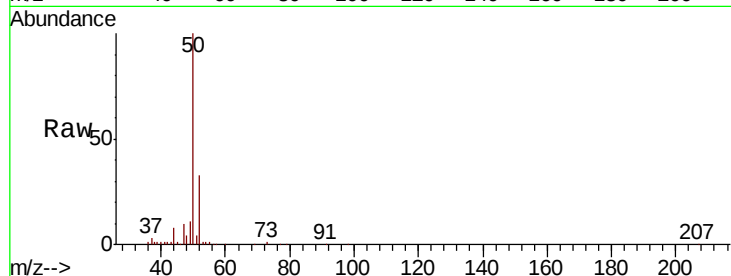
VSTDICCC020

Tot Ion: 50 Resp: 71700

Ion Ratio Lower Upper

50 100

52 33.3 26.6 40.0



#4

Vinyl Chloride

Concen: 19.323 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064191.D

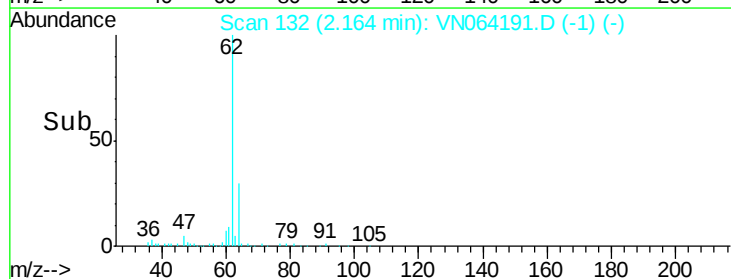
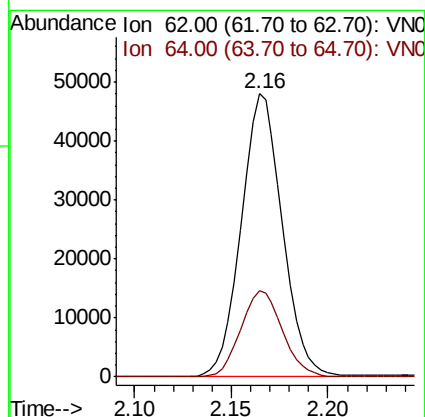
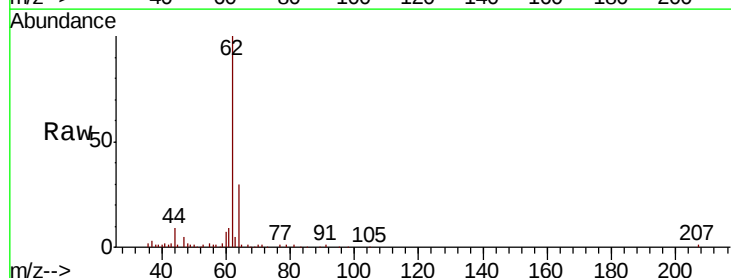
Acq: 20 Oct 2020 10:24

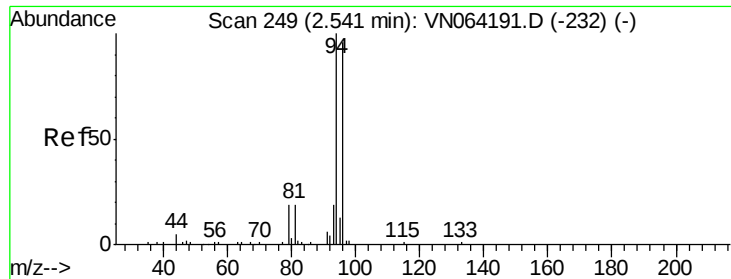
Tgt Ion: 62 Resp: 71068

Ion Ratio Lower Upper

62 100

64 30.5 24.4 36.6





#5

Bromomethane

Concen: 17.600 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

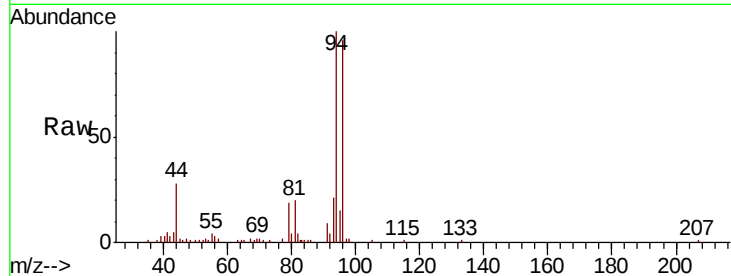
VSTDICCC020

Tot Ion: 94 Resp: 41015

Ion Ratio Lower Upper

94 100

96 95.8 76.6 115.0



Abundance Ion 94.00 (93.70 to 94.70): VN064191.D (-232) (-)

Ion 96.00 (95.70 to 96.70): VN064191.D (-232) (-)

2.54

20000

15000

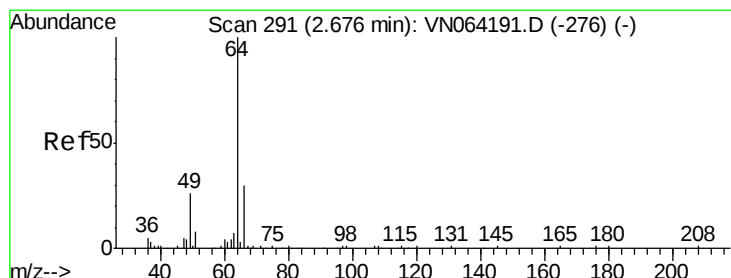
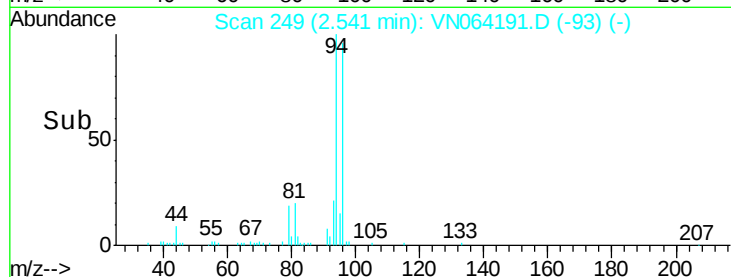
10000

5000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 17.918 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064191.D

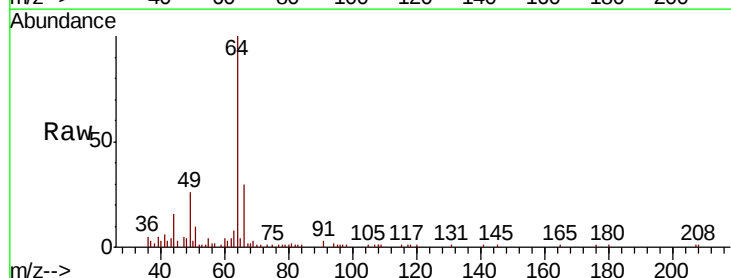
Acq: 20 Oct 2020 10:24

Tgt Ion: 64 Resp: 40777

Ion Ratio Lower Upper

64 100

66 30.4 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VN064191.D (-276) (-)

Ion 66.00 (65.70 to 66.70): VN064191.D (-276) (-)

2.68

20000

15000

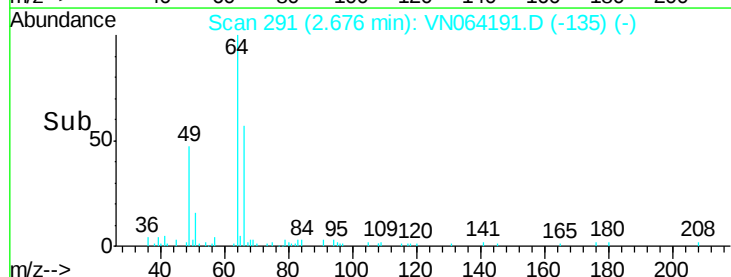
10000

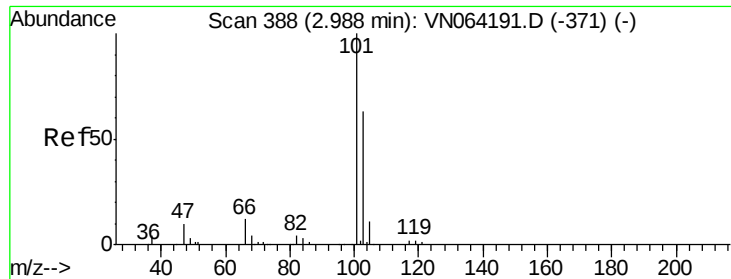
5000

0

Time-->

2.60 2.65 2.70 2.75



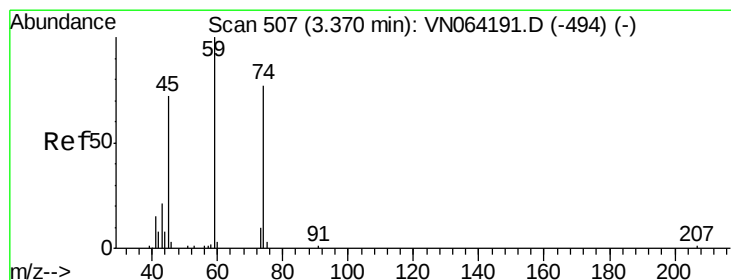
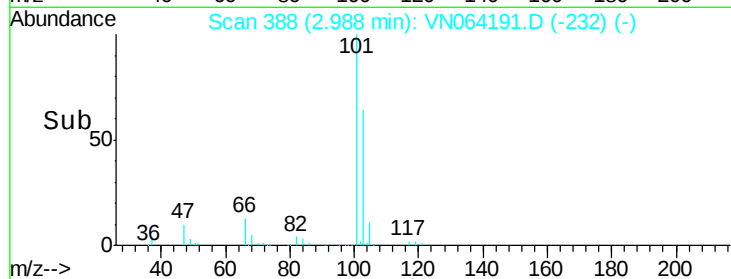
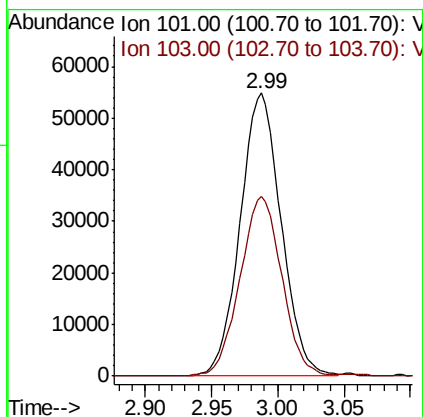
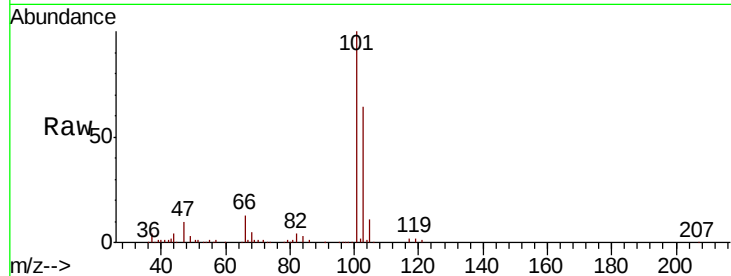


#7

Trichlorofluoromethane
 Concen: 20.090 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

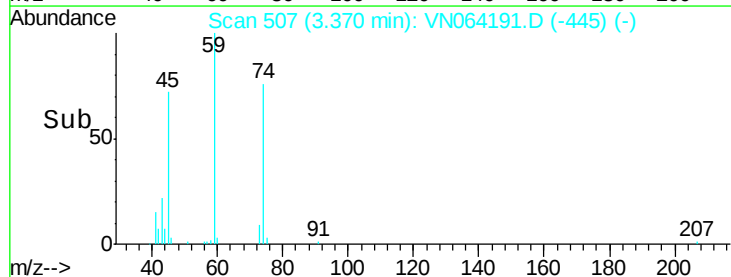
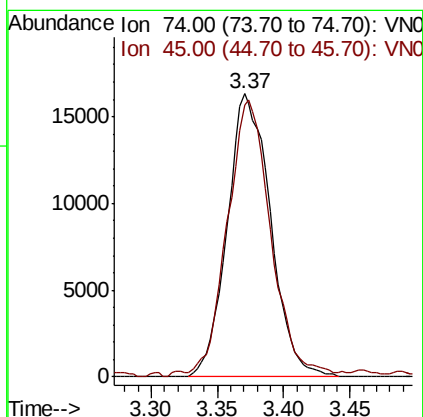
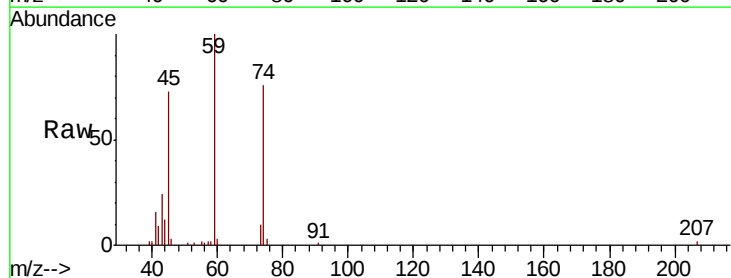
Tot Ion:101 Resp: 118296
 Ion Ratio Lower Upper
 101 100
 103 63.4 50.7 76.1

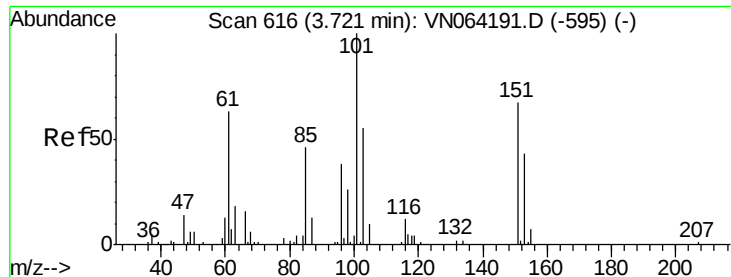


#8

Diethyl Ether
 Concen: 19.453 ug/l
 RT: 3.37 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Tgt Ion: 74 Resp: 37084
 Ion Ratio Lower Upper
 74 100
 45 97.4 19.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.639 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

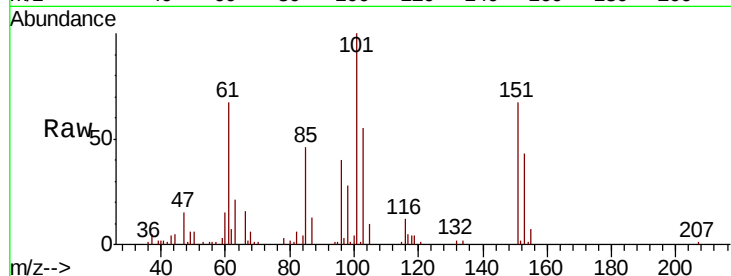
Tot Ion:101 Resp: 59574

Ion Ratio Lower Upper

101 100

85 47.0 0.0 94.0

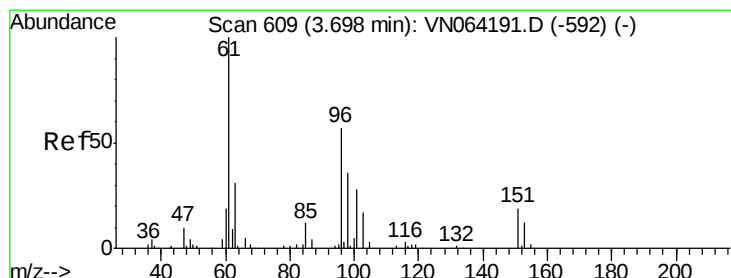
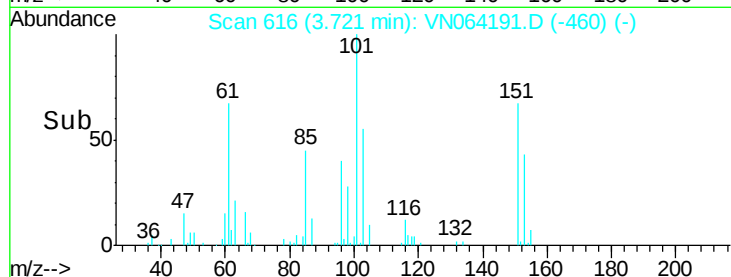
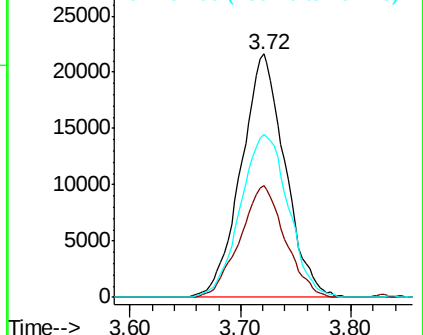
151 73.3 0.0 146.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.639 ug/l

RT: 3.70 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

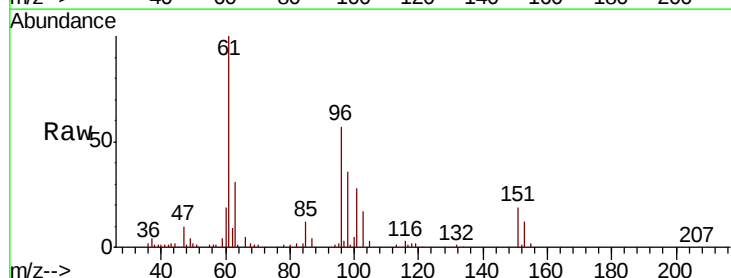
Tgt Ion: 96 Resp: 56320

Ion Ratio Lower Upper

96 100

61 176.2 141.0 211.4

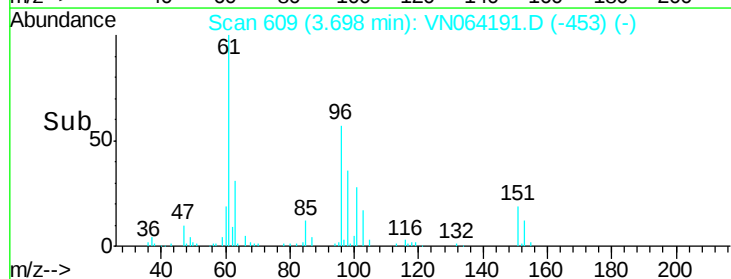
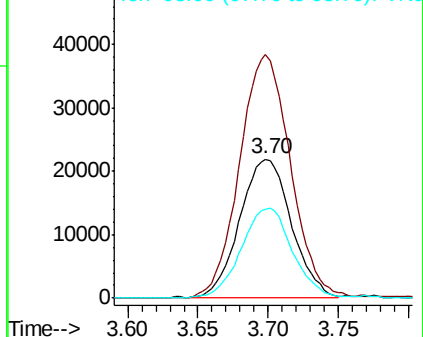
98 64.3 51.4 77.2

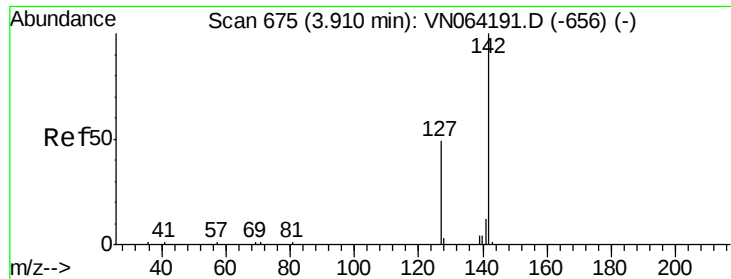


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

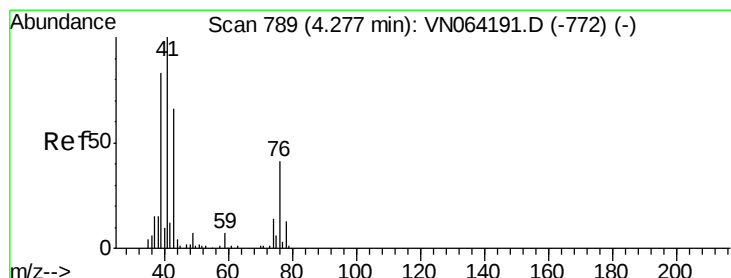
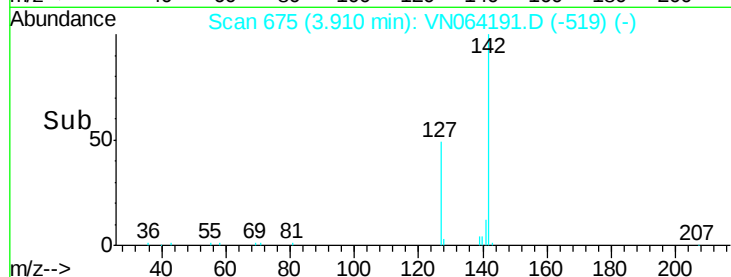
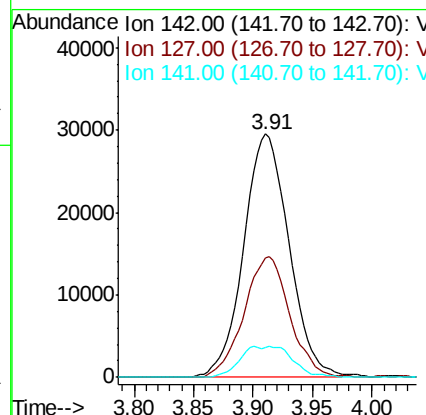
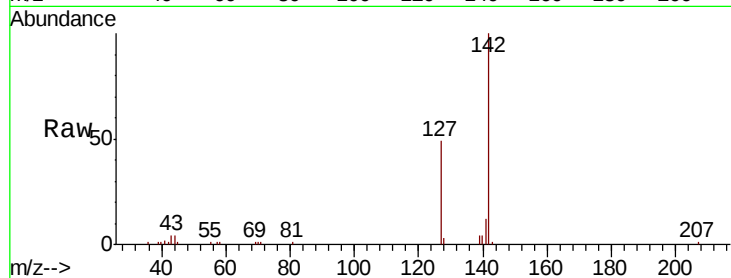




#11
Methyl Iodide
Concen: 20.948 ug/l
RT: 3.91 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

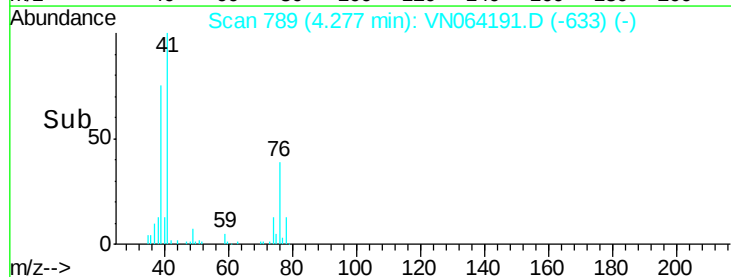
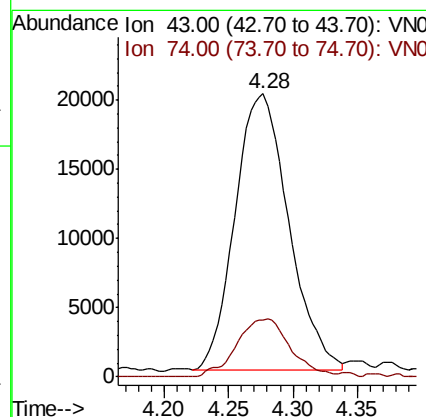
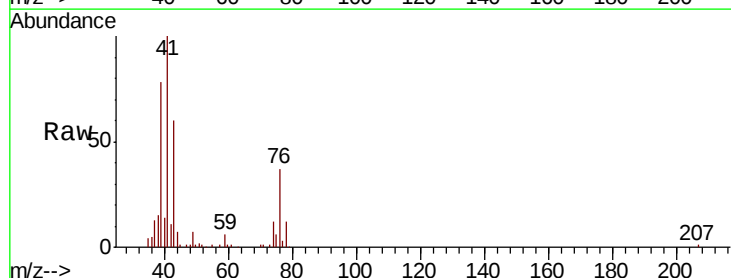
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

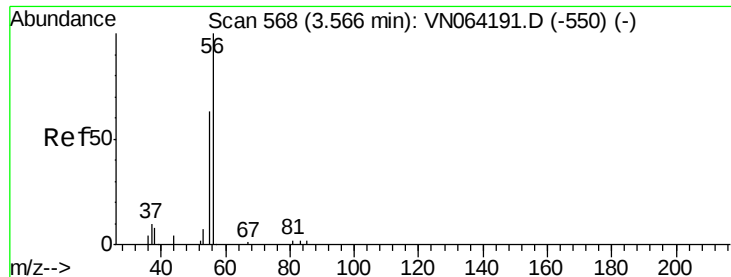
Tot Ion:142 Resp: 77992
Ion Ratio Lower Upper
142 100
127 49.0 24.5 73.5
141 12.1 6.0 18.1



#12
Methyl Acetate
Concen: 16.913 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion: 43 Resp: 57576
Ion Ratio Lower Upper
43 100
74 20.2 16.2 24.2





#13

Acrolein

Concen: 79.073 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

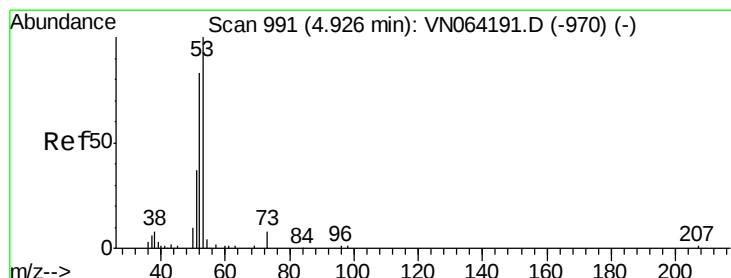
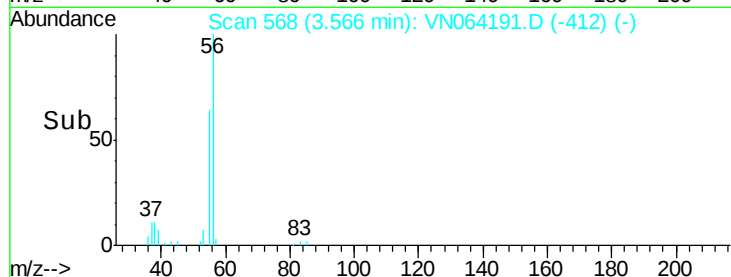
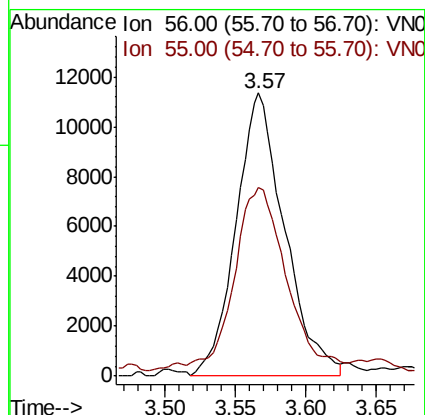
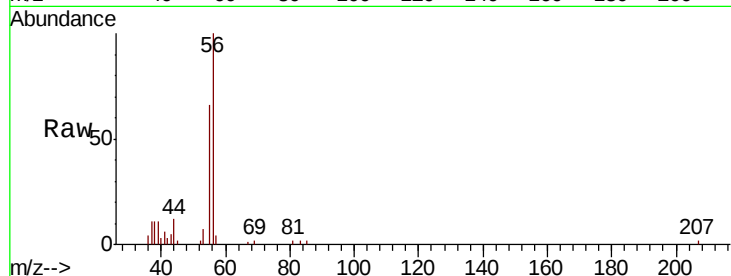
VSTDICCC020

Tot Ion: 56 Resp: 27321

Ion Ratio Lower Upper

56 100

55 57.9 0.5 0.7#



#14

Acrylonitrile

Concen: 81.717 ug/l

RT: 4.93 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

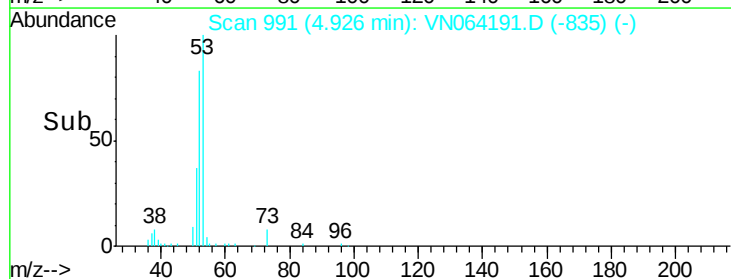
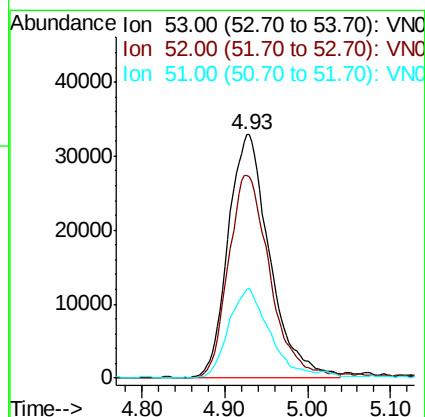
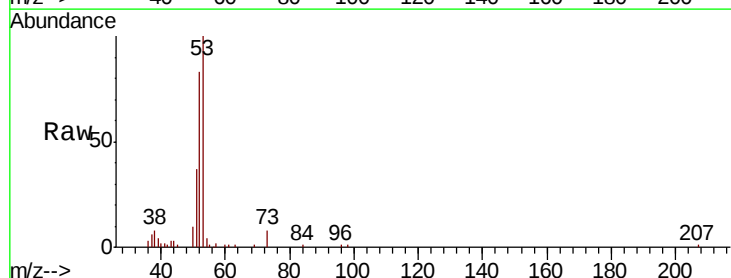
Tgt Ion: 53 Resp: 114776

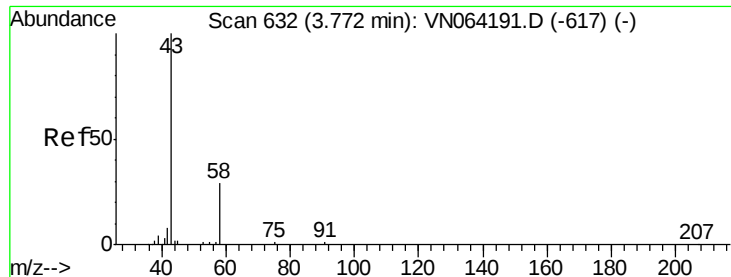
Ion Ratio Lower Upper

53 100

52 82.6 41.3 123.9

51 36.1 18.1 54.1





#15

Acetone

Concen: 74.941 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

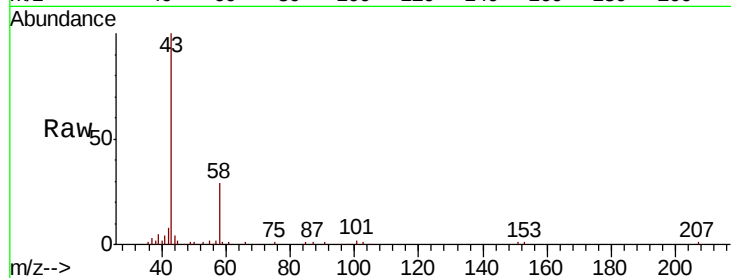
VSTDICCC020

Tot Ion: 58 Resp: 29720

Ion Ratio Lower Upper

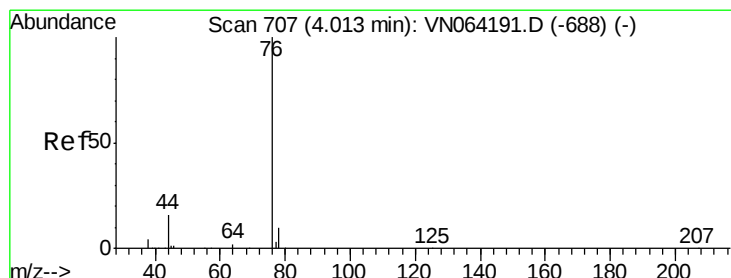
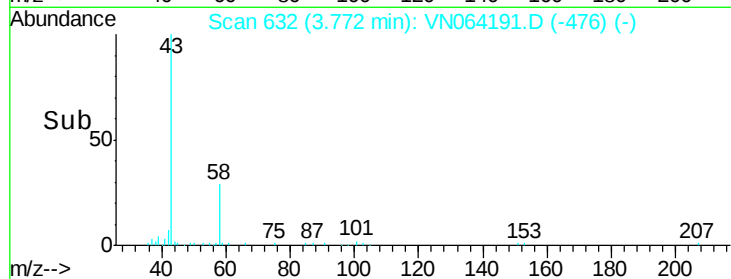
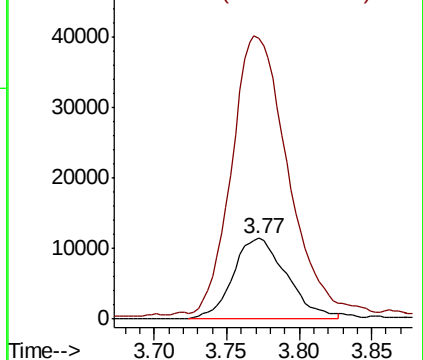
58 100

43 340.1 272.1 408.1



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.054 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064191.D

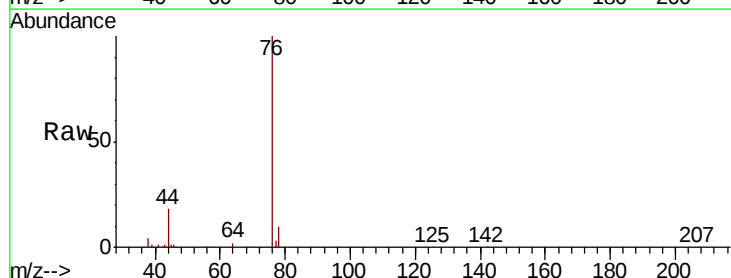
Acq: 20 Oct 2020 10:24

Tgt Ion: 76 Resp: 161064

Ion Ratio Lower Upper

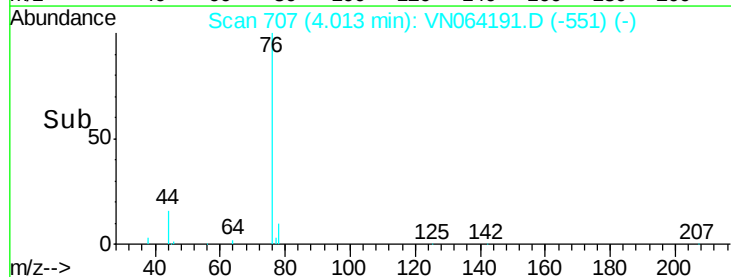
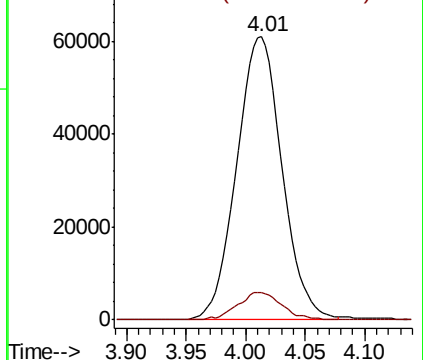
76 100

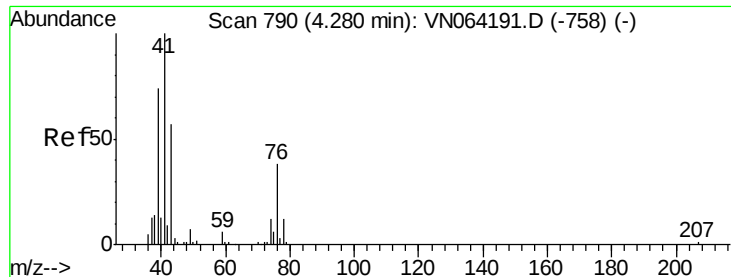
78 9.6 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

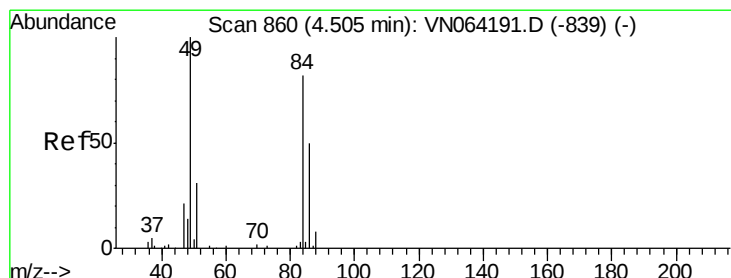
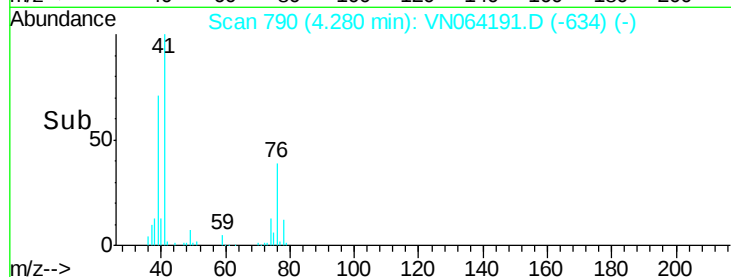
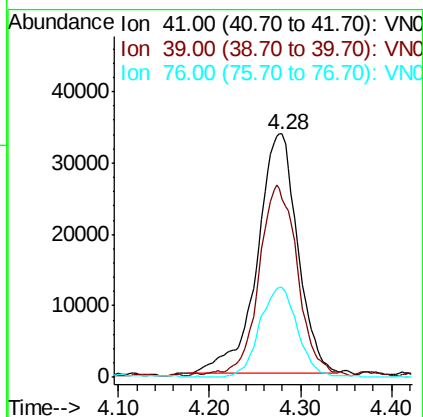
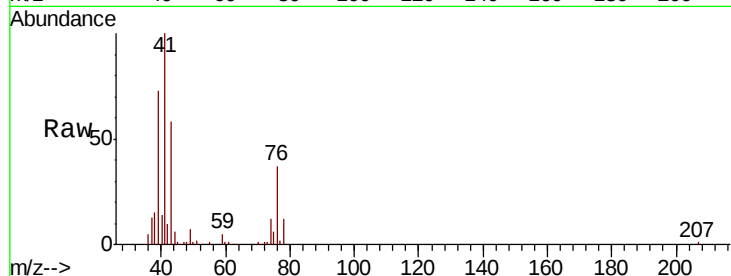




#17
Allvl chloride
Concen: 19.701 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

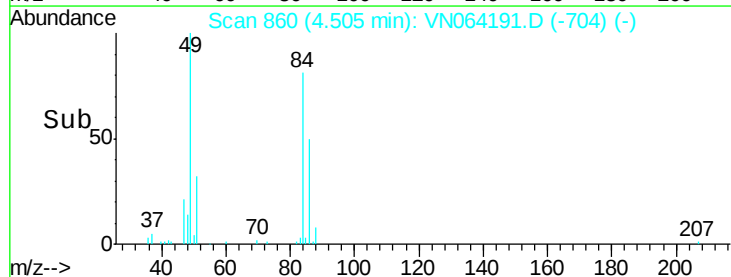
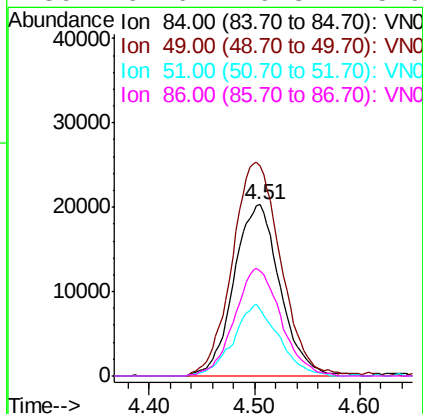
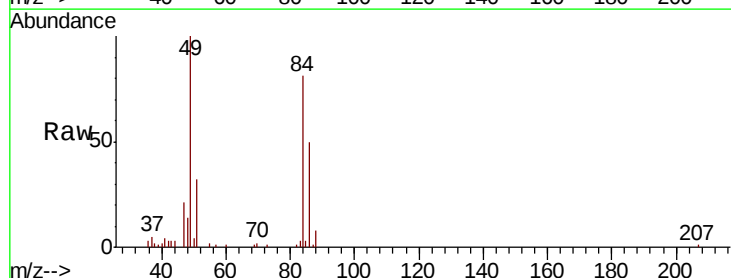
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

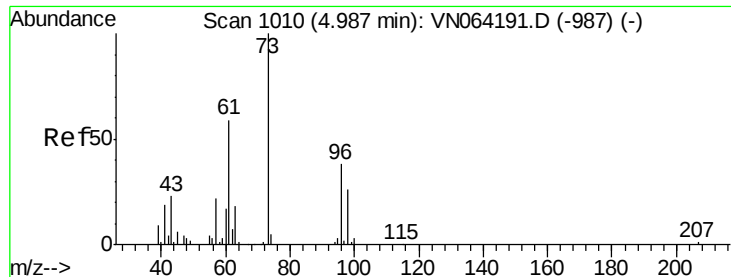
Tot Ion: 41 Resp: 103584
Ion Ratio Lower Upper
41 100
39 73.6 36.8 110.4
76 37.6 18.8 56.4



#18
Methylene Chloride
Concen: 18.327 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion: 84 Resp: 61641
Ion Ratio Lower Upper
84 100
49 122.0 97.6 146.4
51 38.9 31.1 46.7
86 61.6 49.3 73.9

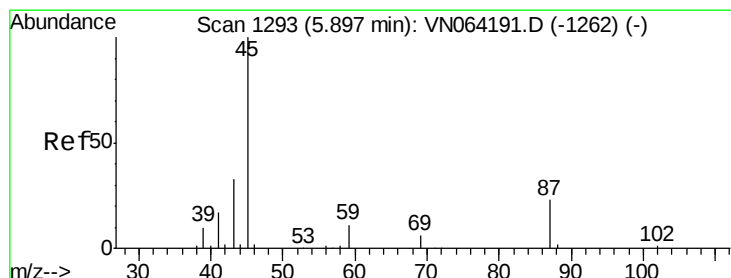
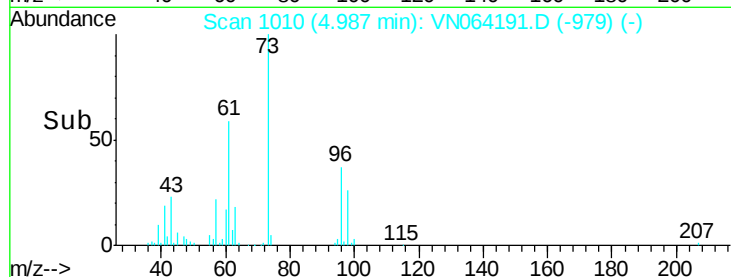
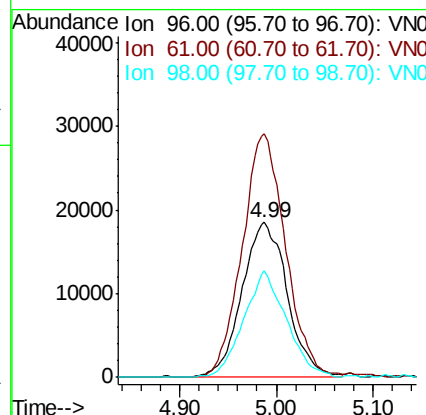
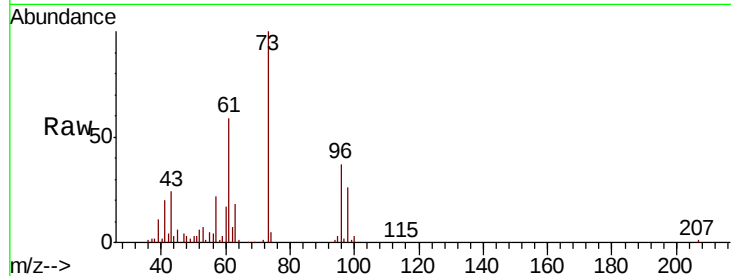




#19
trans-1,2-Dichloroethene
Concen: 18.654 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

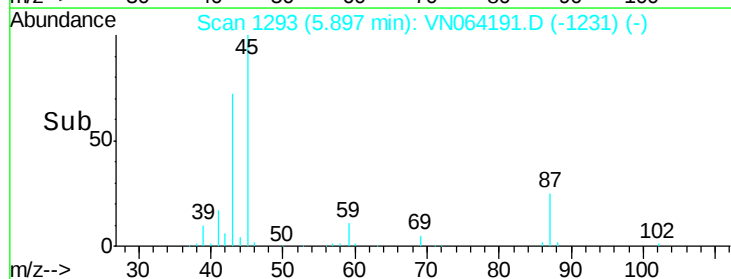
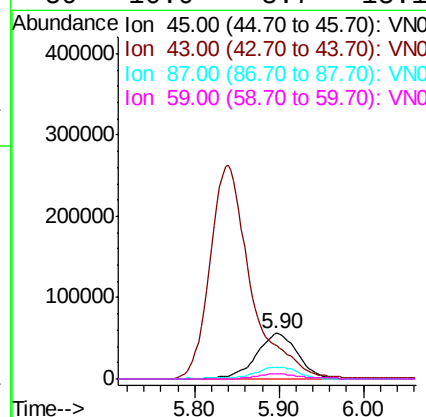
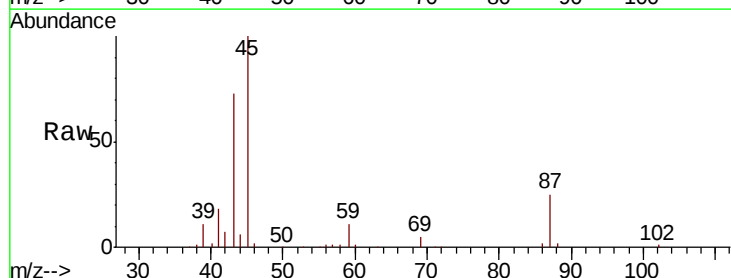
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

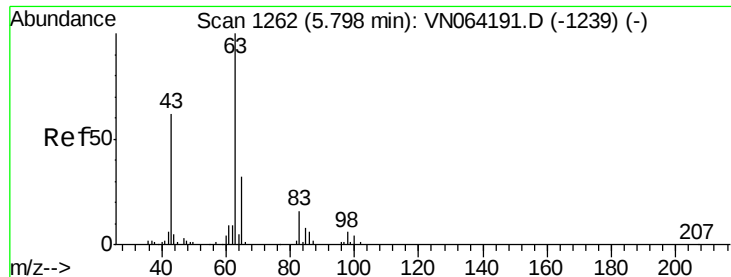
Tot Ion: 96 Resp: 60317
Ion Ratio Lower Upper
96 100
61 156.9 125.5 188.3
98 68.4 54.7 82.1



#20
Diisopropyl ether
Concen: 18.176 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion: 45 Resp: 191990
Ion Ratio Lower Upper
45 100
43 68.9 55.1 82.7
87 24.3 19.4 29.2
59 10.9 8.7 13.1





#21

1,1-Dichloroethane

Concen: 18.435 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

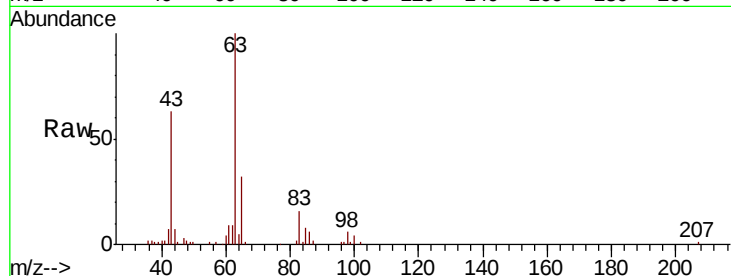
Tot Ion: 63 Resp: 117420

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.7

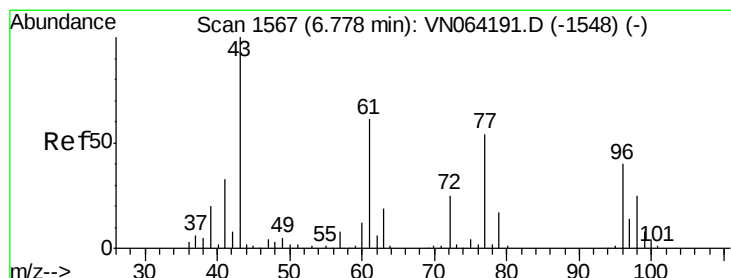
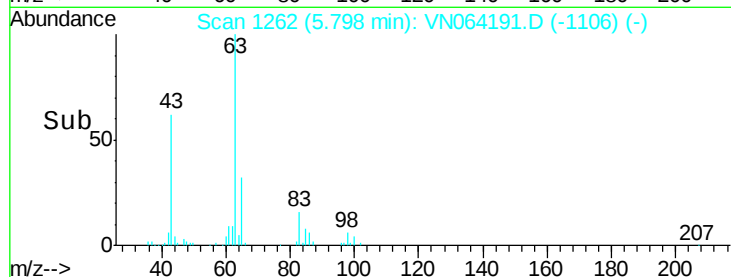
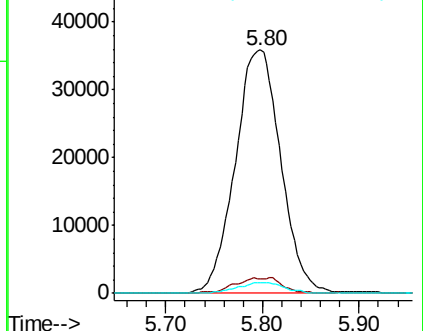
100 4.2 2.1 6.3



Abundance Ion 63.00 (62.70 to 63.70): VN064191.D (-1239) (-)

Ion 98.00 (97.70 to 98.70): VN064191.D (-1239) (-)

Ion 100.00 (99.70 to 100.70): VN064191.D (-1239) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.218 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

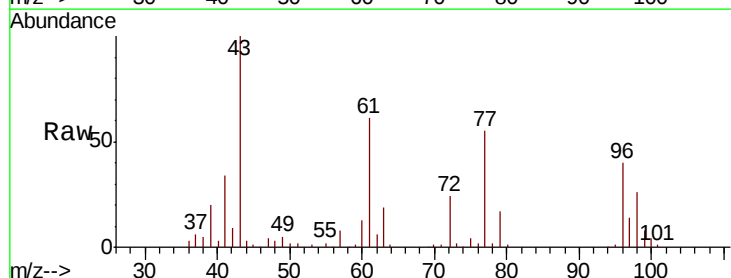
Tgt Ion: 96 Resp: 70931

Ion Ratio Lower Upper

96 100

61 157.8 126.2 189.4

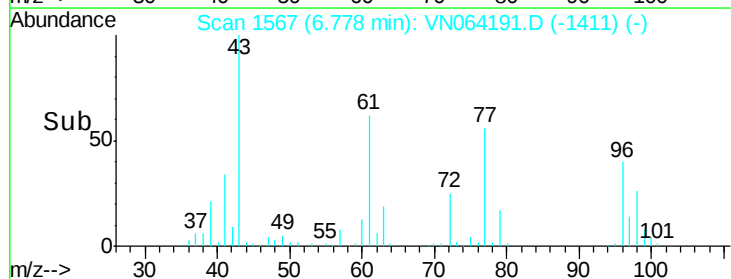
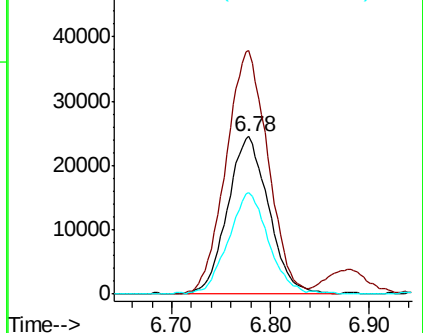
98 62.8 50.2 75.4

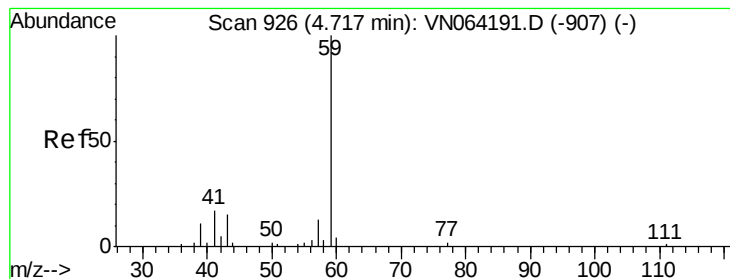


Abundance Ion 96.00 (95.70 to 96.70): VN064191.D (-1548) (-)

Ion 61.00 (60.70 to 61.70): VN064191.D (-1548) (-)

Ion 98.00 (97.70 to 98.70): VN064191.D (-1548) (-)





#23

tert-Butyl Alcohol

Concen: 84.406 ug/l

RT: 4.72 min Scan# 926

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

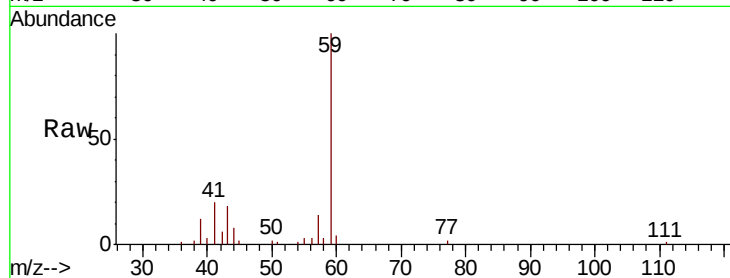
VSTDICCC020

Tot Ion: 59 Resp: 50856

Ion Ratio Lower Upper

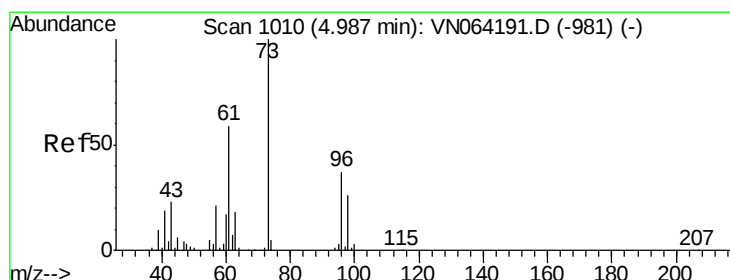
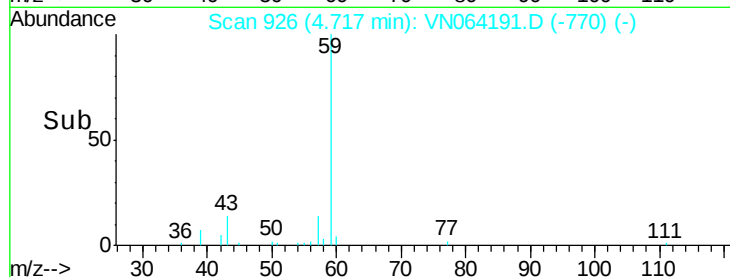
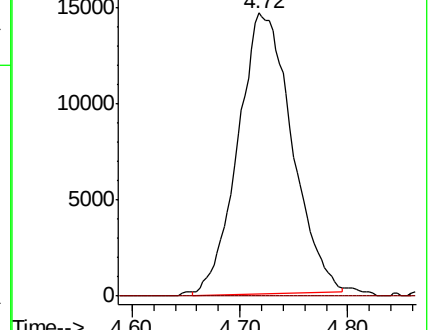
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN064191.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VN064191.D (-907) (-)



#24

Methyl tert-Butyl Ether

Concen: 19.377 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064191.D

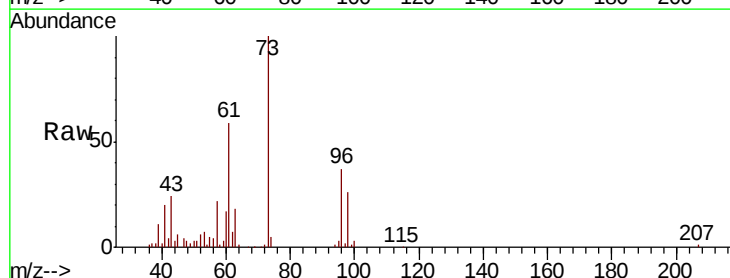
Acq: 20 Oct 2020 10:24

Tgt Ion: 73 Resp: 185619

Ion Ratio Lower Upper

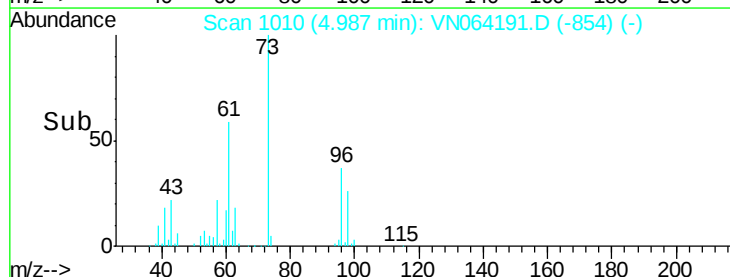
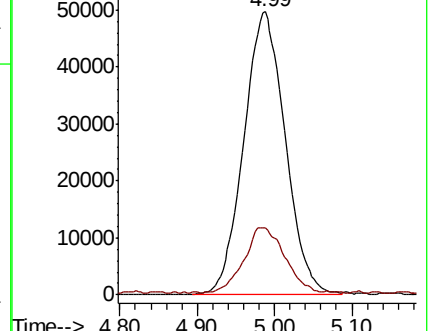
73 100

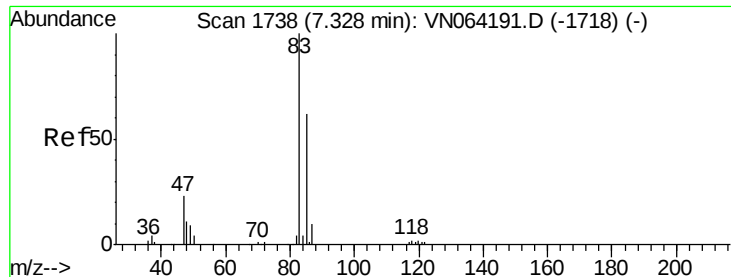
43 22.7 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VN064191.D (-981) (-)

Ion 43.00 (42.70 to 43.70): VN064191.D (-981) (-)

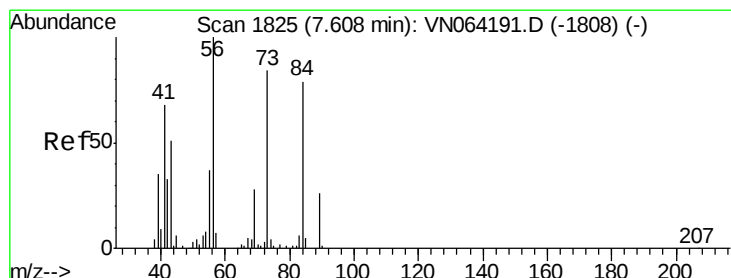
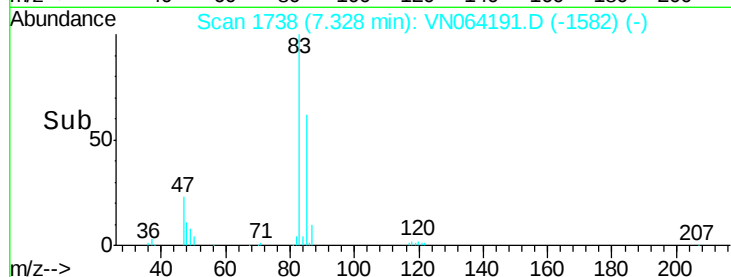
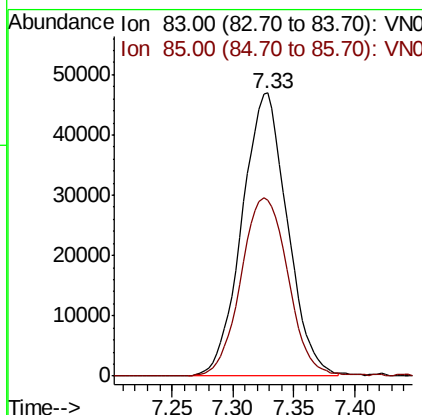
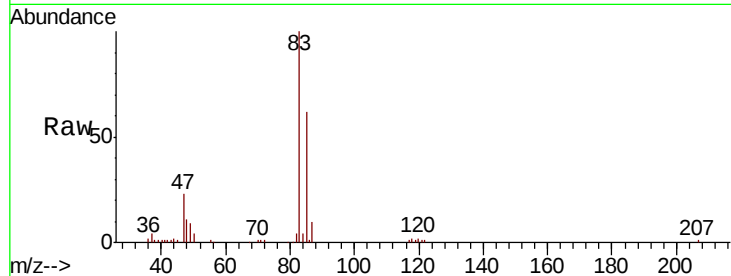




#25
Chloroform
Concen: 18.135 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

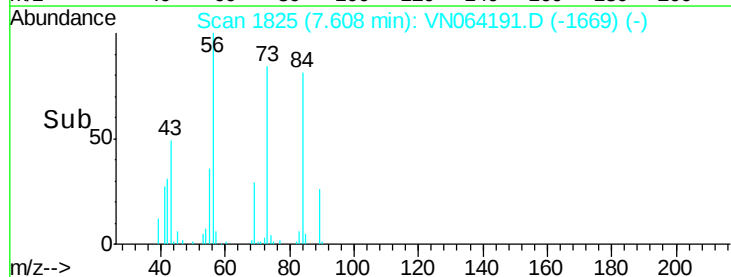
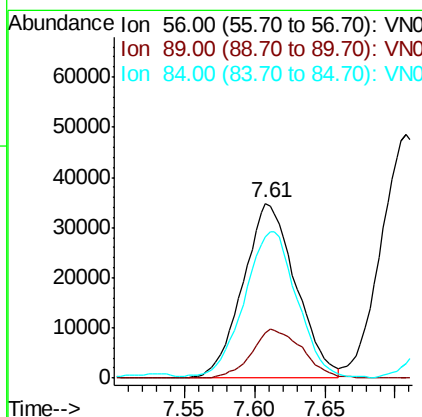
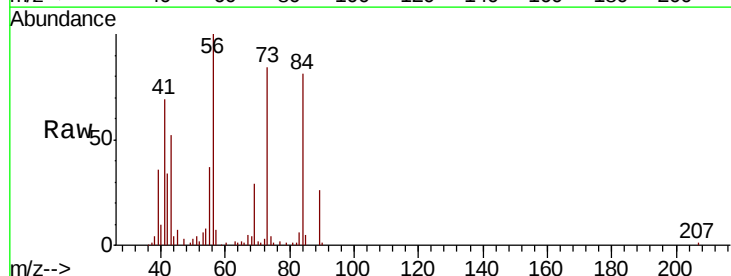
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

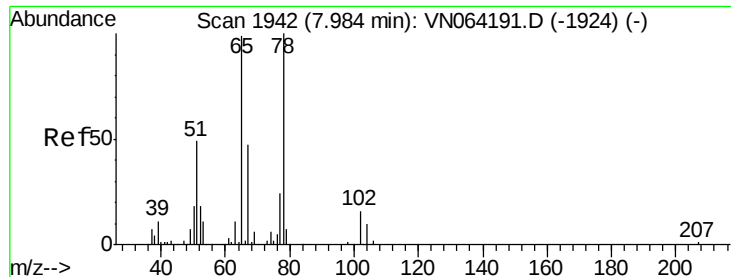
Tot Ion: 83 Resp: 120942
Ion Ratio Lower Upper
83 100
85 62.1 49.7 74.5



#26
Cyclohexane
Concen: 19.352 ug/l
RT: 7.61 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion: 56 Resp: 91012
Ion Ratio Lower Upper
56 100
89 26.7 21.4 32.0
84 82.2 65.8 98.6





#27

1,2-Dichloroethane-d4

Concen: 28.785 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

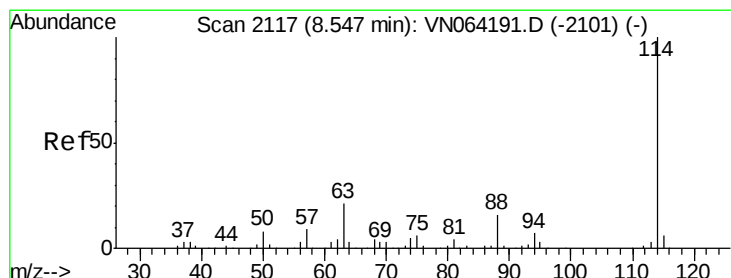
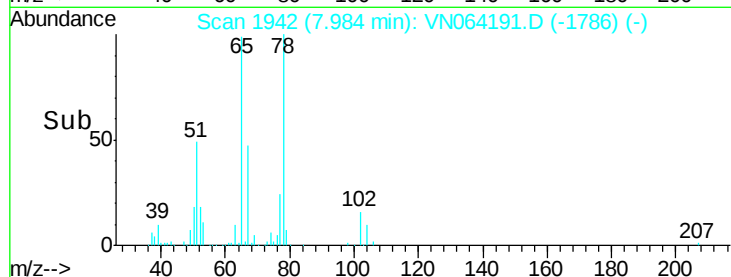
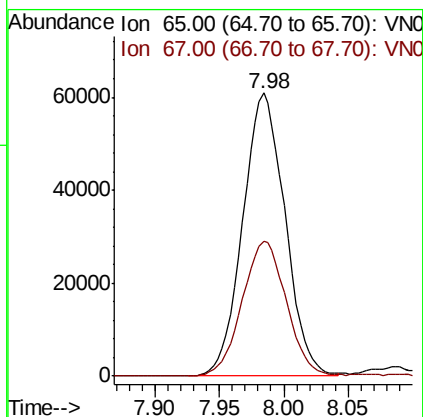
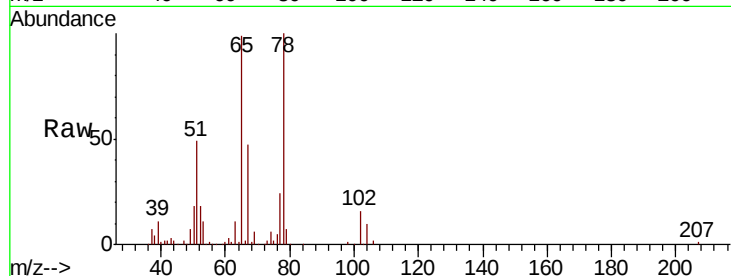
VSTDICCC020

Tot Ion: 65 Resp: 139155

Ion Ratio Lower Upper

65 100

67 49.7 39.8 59.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

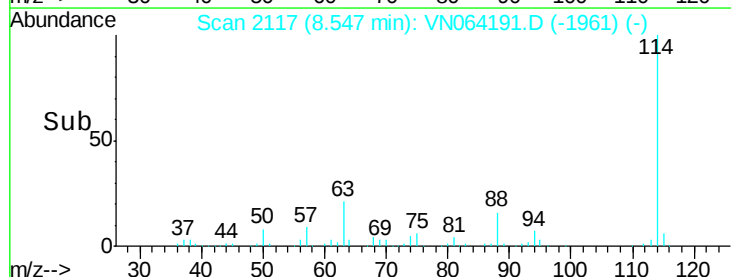
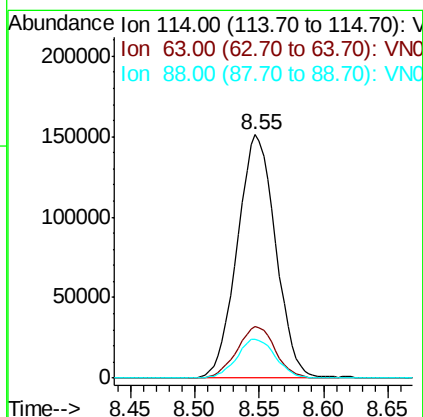
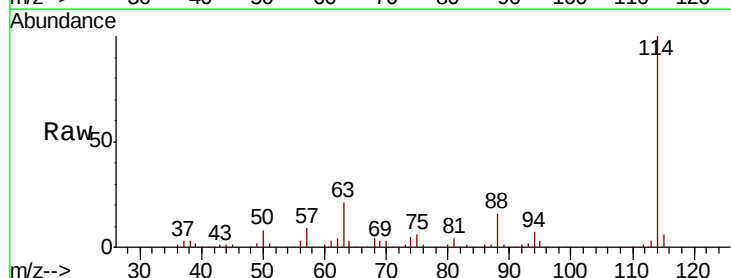
Tgt Ion: 114 Resp: 313721

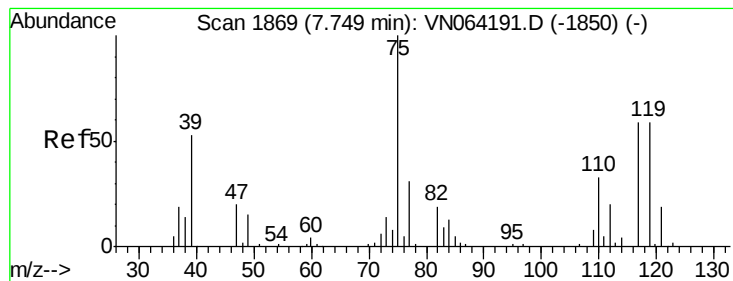
Ion Ratio Lower Upper

114 100

63 21.2 17.0 25.4

88 16.2 13.0 19.4





#29

1,1-Dichloropropene

Concen: 17.766 ug/l

RT: 7.75 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

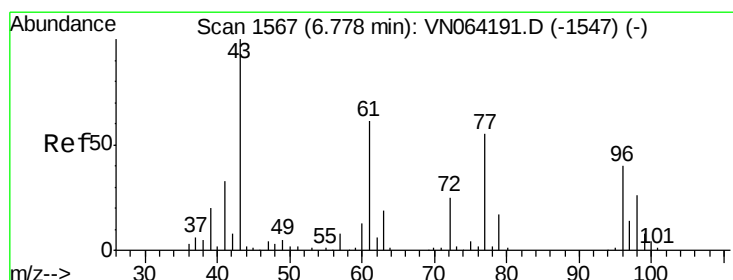
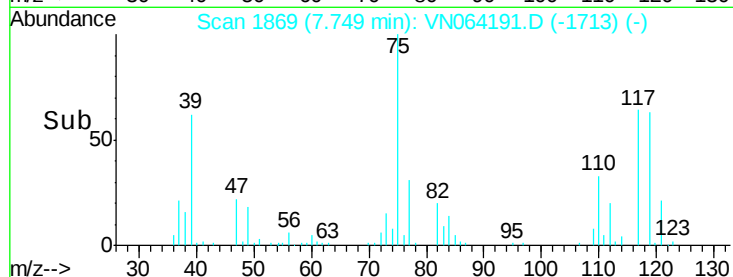
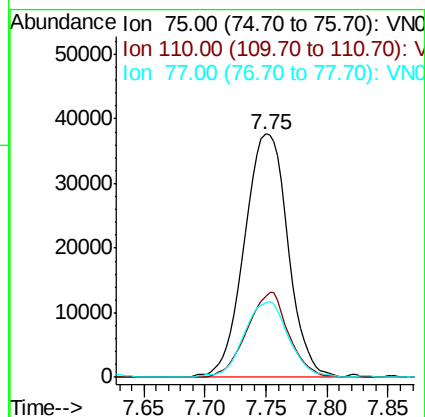
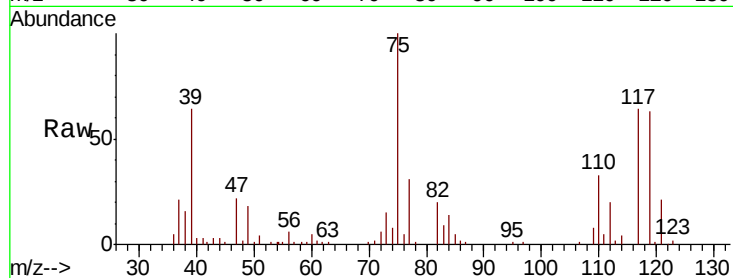
Tot Ion: 75 Resp: 93315

Ion Ratio Lower Upper

75 100

110 33.4 0.0 66.8

77 31.8 0.0 63.6



#30

2-Butanone

Concen: 71.955 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

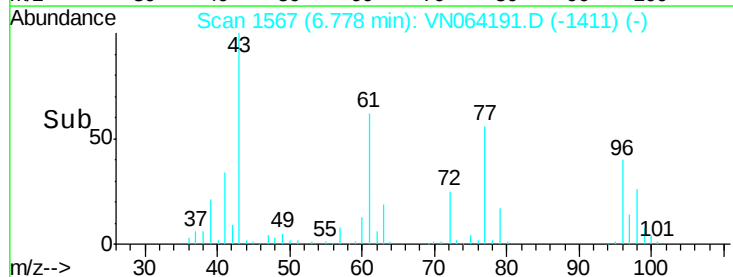
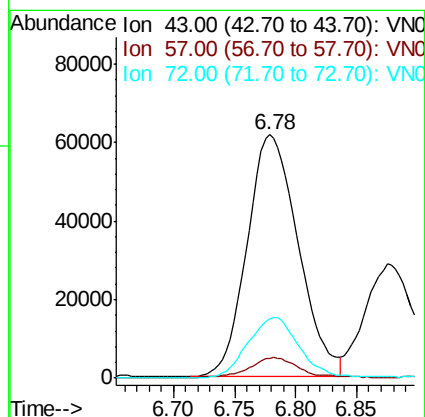
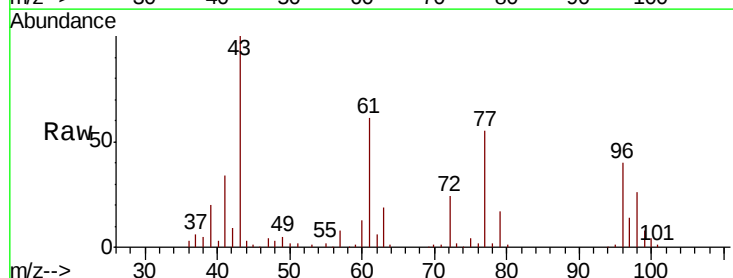
Tgt Ion: 43 Resp: 179120

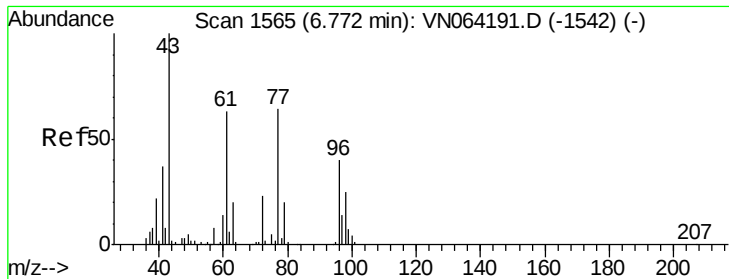
Ion Ratio Lower Upper

43 100

57 7.2 5.8 8.6

72 24.8 19.8 29.8





#31

2,2-Dichloropropane

Concen: 18.609 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

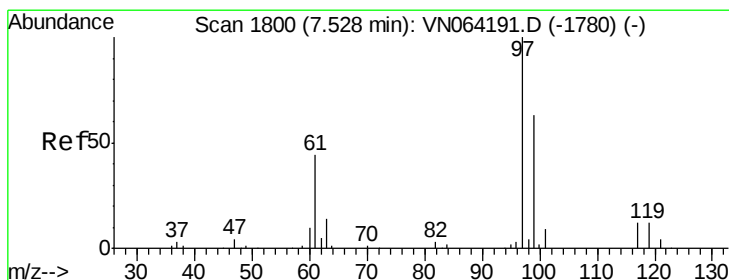
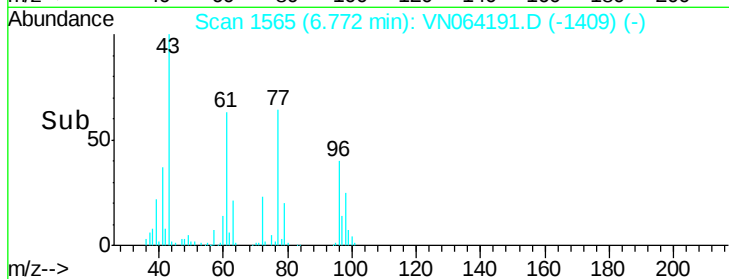
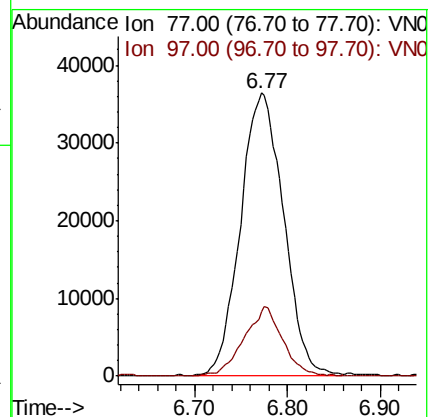
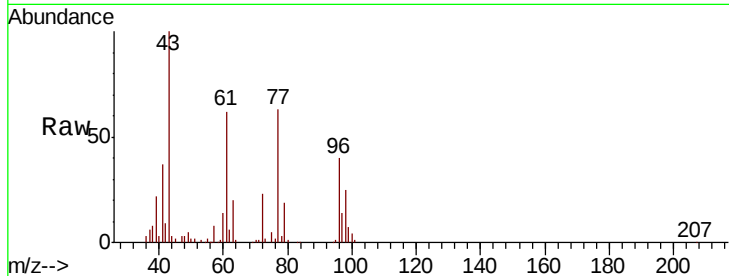
VSTDICCC020

Tot Ion: 77 Resp: 117695

Ion Ratio Lower Upper

77 100

97 21.6 17.3 25.9



#32

1,1,1-Trichloroethane

Concen: 17.488 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

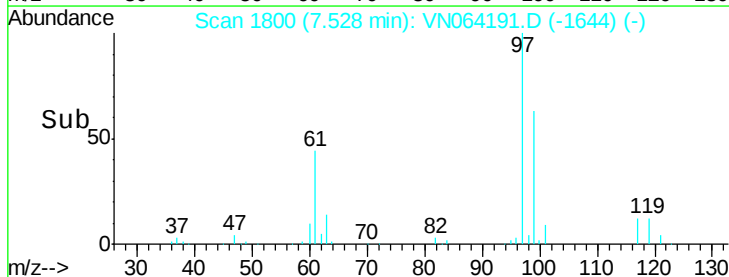
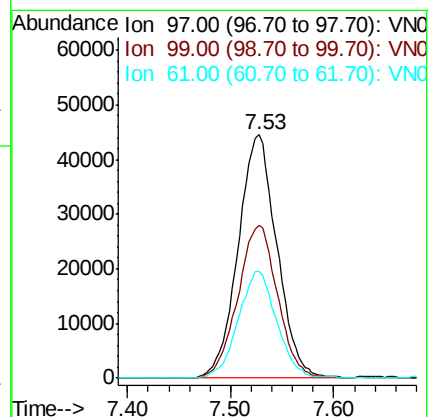
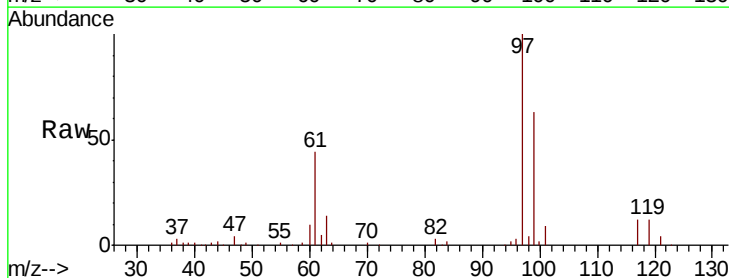
Tgt Ion: 97 Resp: 116450

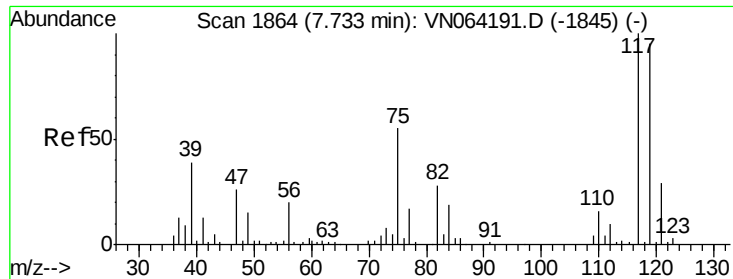
Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 43.5 34.8 52.2

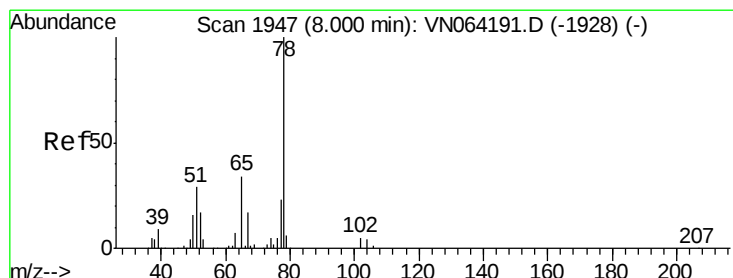
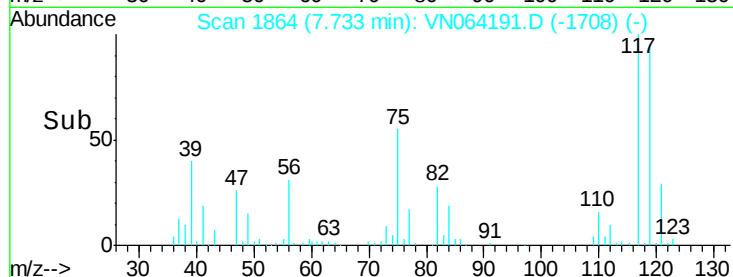
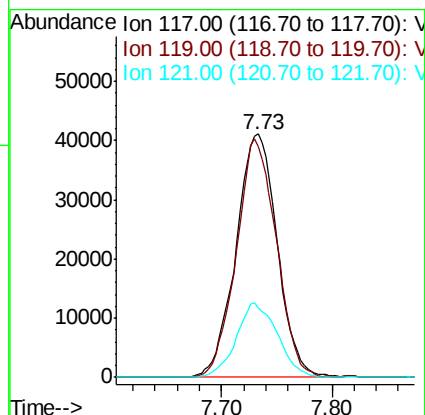
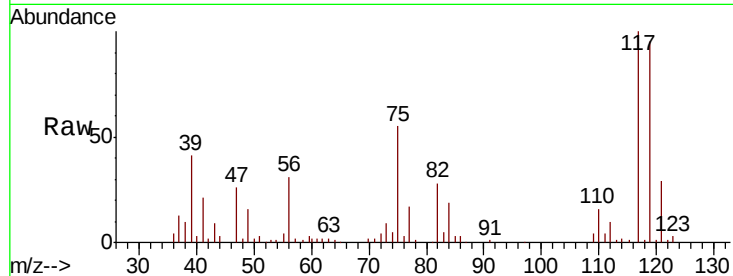




#33
Carbon Tetrachloride
Concen: 18.049 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

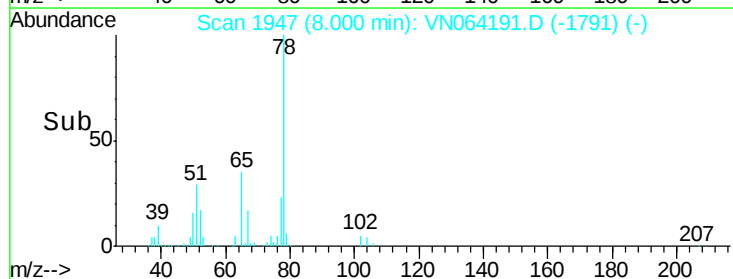
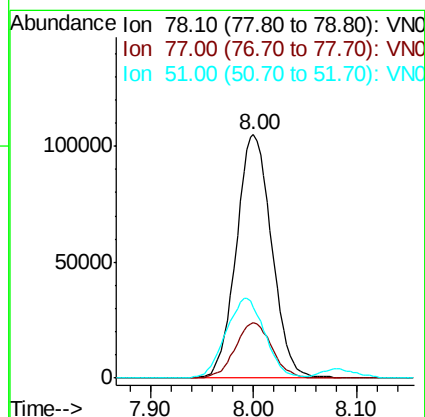
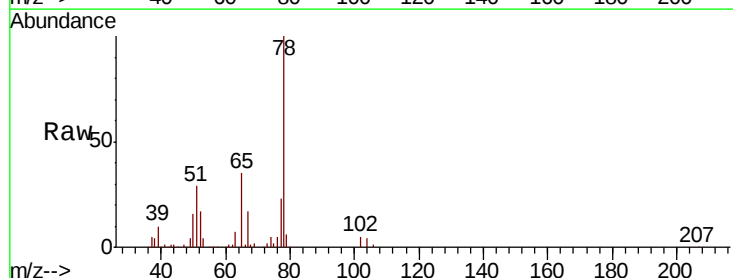
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

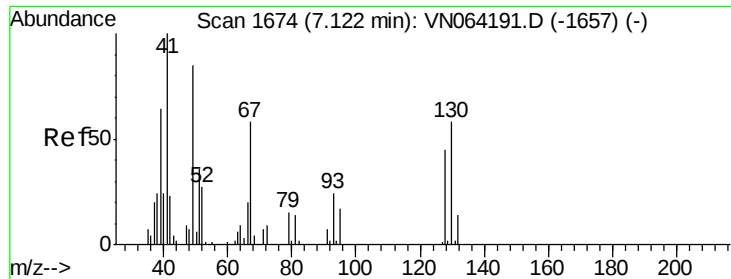
Tot Ion:117 Resp: 106378
Ion Ratio Lower Upper
117 100
119 95.0 76.0 114.0
121 28.8 23.0 34.6



#34
Benzene
Concen: 16.970 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion: 78 Resp: 250955
Ion Ratio Lower Upper
78 100
77 23.0 18.4 27.6
51 28.8 23.0 34.6

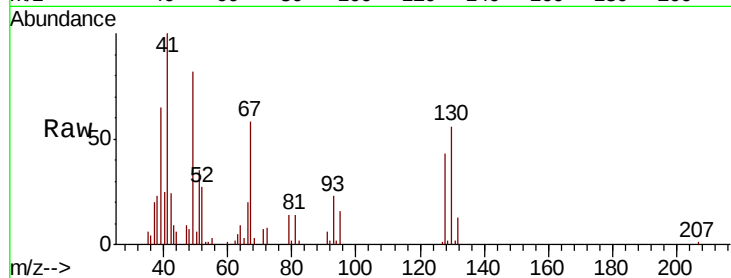




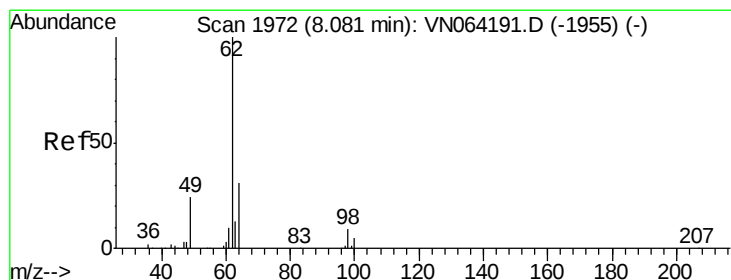
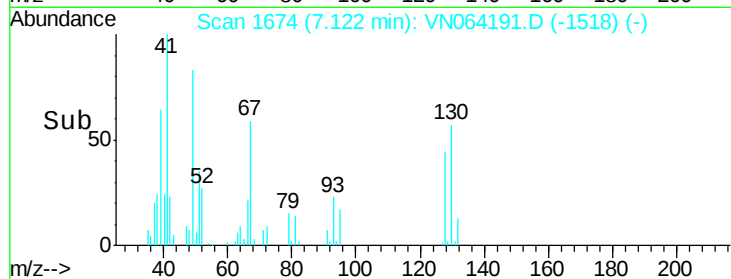
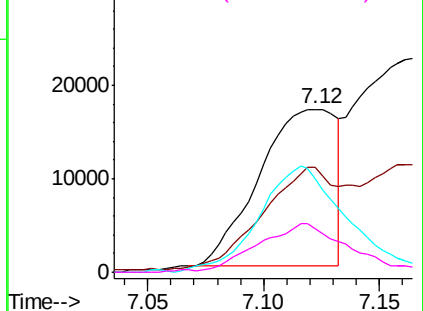
#35
Methacrylonitrile
Concen: 15.855 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:	41	Resp:	38779
Ion	Ratio	Lower	Upper
41	100		
39	64.2	32.1	96.3
67	57.9	28.9	86.8
52	26.8	13.4	40.2

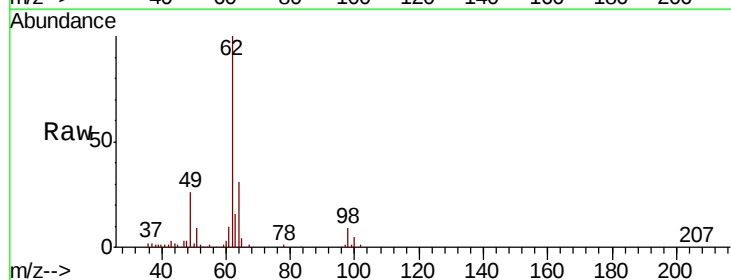


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

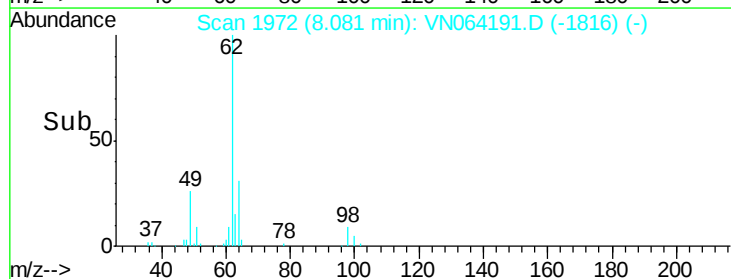
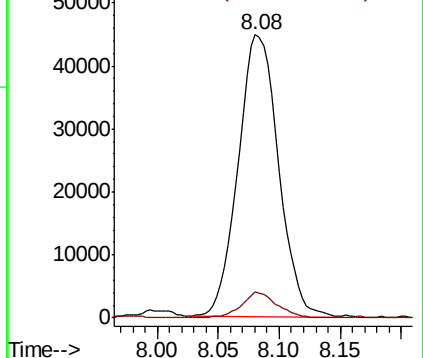


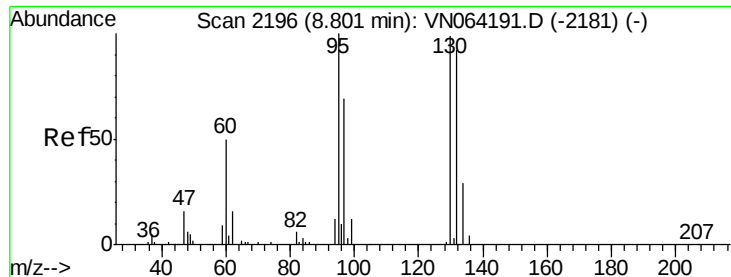
#36
1,2-Dichloroethane
Concen: 15.941 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion:	62	Resp:	102426
Ion	Ratio	Lower	Upper
62	100		
98	7.9	6.3	9.5



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





#37

Trichloroethene

Concen: 17.564 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

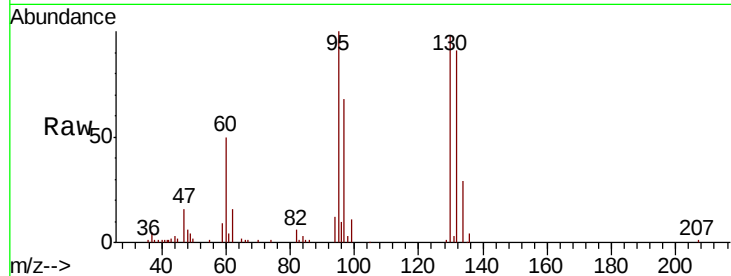
VSTDICCC020

Tot Ion:130 Resp: 69108

Ion Ratio Lower Upper

130 100

95 101.2 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

40000

30000

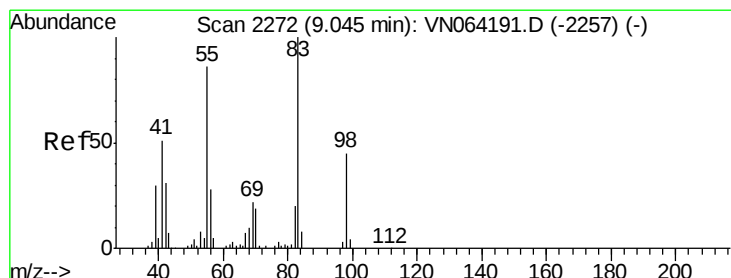
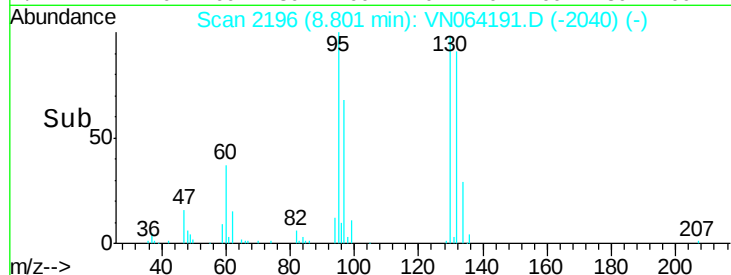
20000

10000

0

8.75 8.80 8.85

Time-->



#38

Methylcyclohexane

Concen: 18.871 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

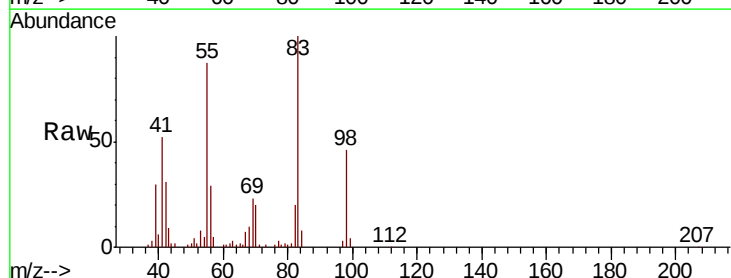
Tgt Ion: 83 Resp: 85537

Ion Ratio Lower Upper

83 100

55 80.6 40.3 120.9

98 44.7 22.4 67.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.05

50000

40000

30000

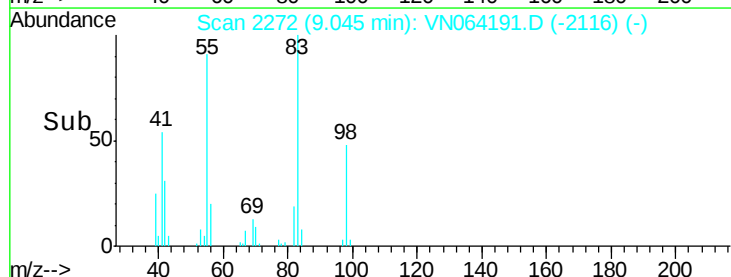
20000

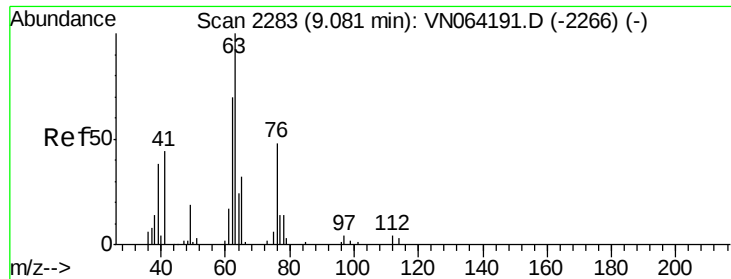
10000

0

8.95 9.00 9.05 9.10

Time-->





#39

1,2-Dichloropropane

Concen: 16.906 ug/l

RT: 9.08 min Scan# 2283

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

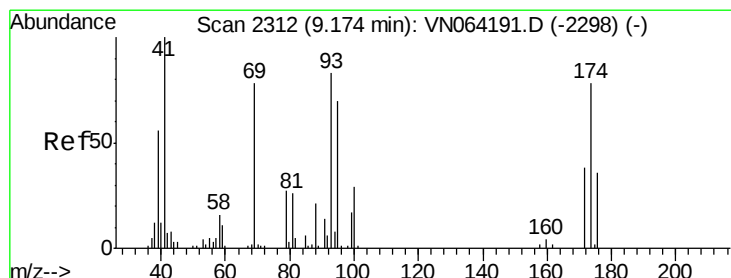
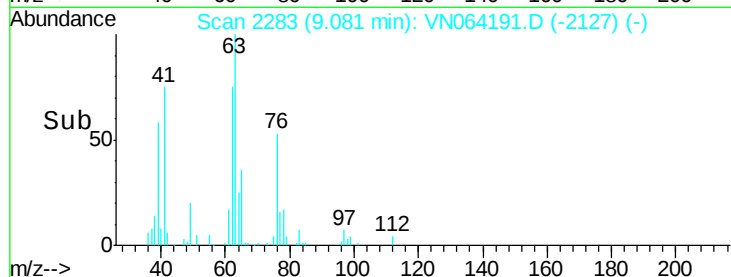
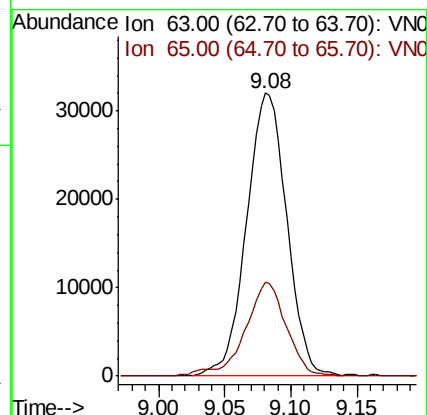
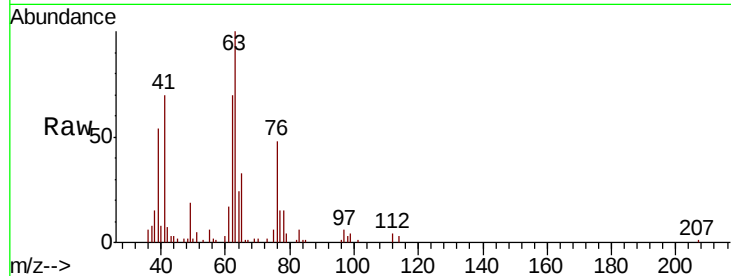
VSTDICCC020

Tot Ion: 63 Resp: 67600

Ion Ratio Lower Upper

63 100

65 33.1 26.5 39.7



#40

Dibromomethane

Concen: 16.607 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

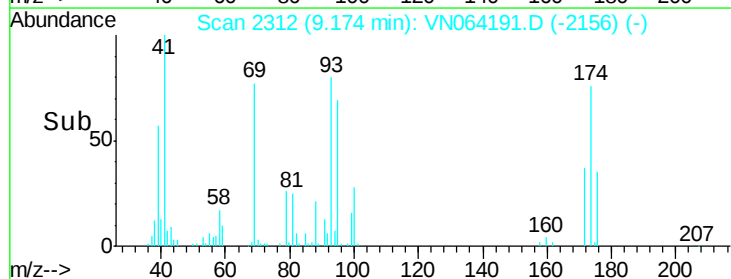
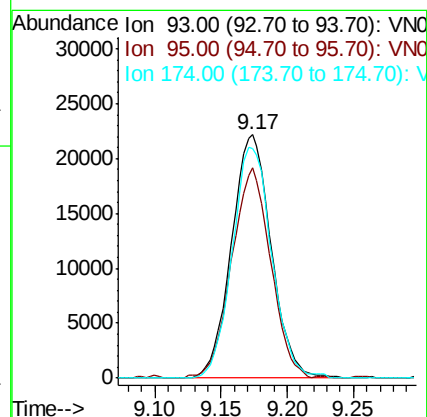
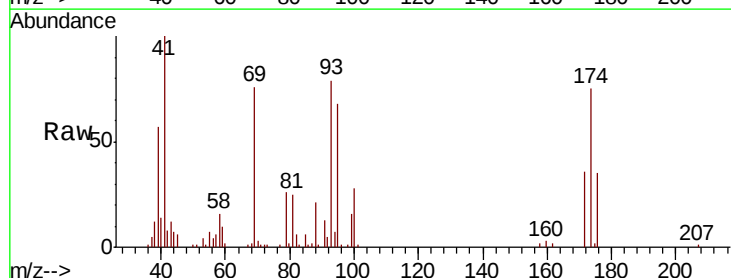
Tgt Ion: 93 Resp: 46202

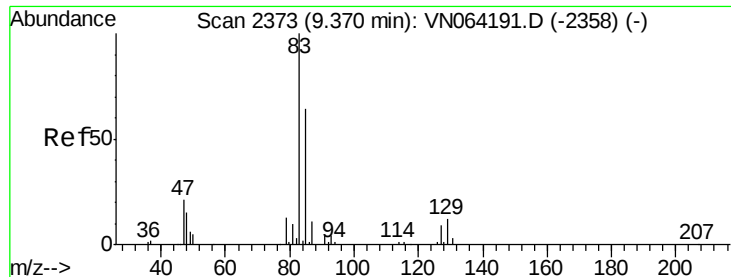
Ion Ratio Lower Upper

93 100

95 84.6 0.0 169.2

174 93.7 0.0 187.4





#41

Bromodichloromethane

Concen: 17.152 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

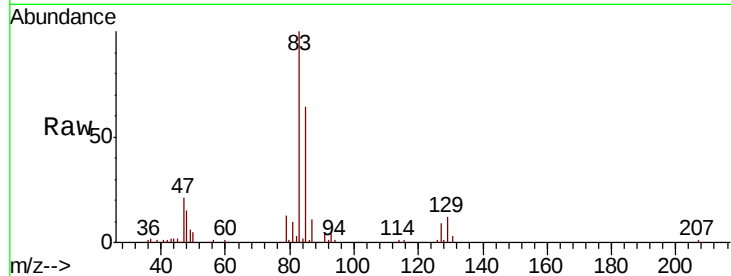
Tot Ion: 83 Resp: 100684

Ion Ratio Lower Upper

83 100

85 64.4 51.5 77.3

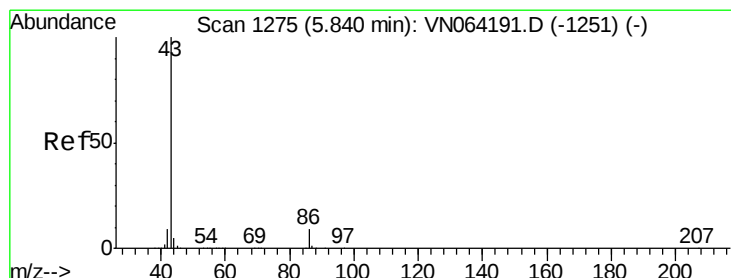
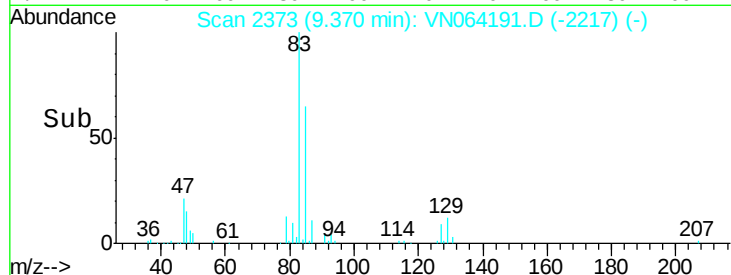
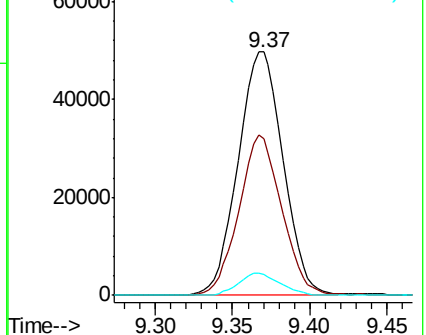
127 8.5 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VN064191.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN064191.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN064191.D (-2358) (-)



#42

Vinyl Acetate

Concen: 83.235 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN064191.D

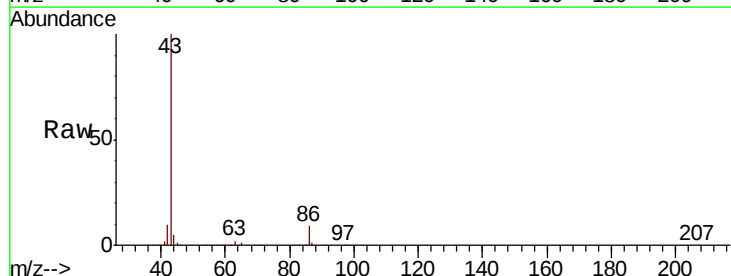
Acq: 20 Oct 2020 10:24

Tgt Ion: 43 Resp: 881265

Ion Ratio Lower Upper

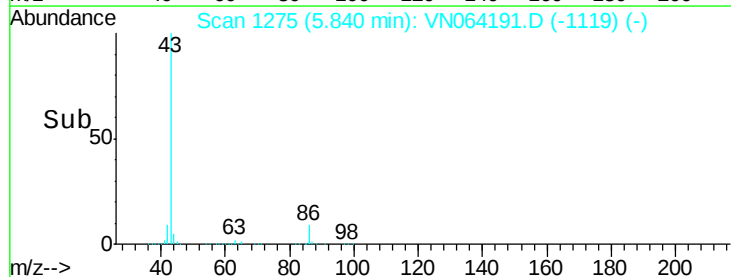
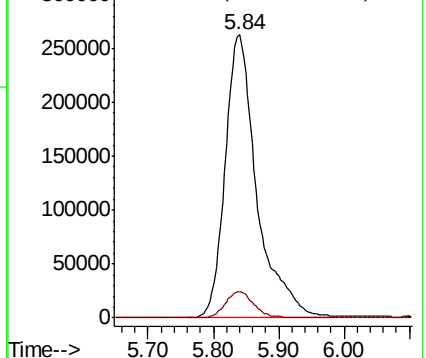
43 100

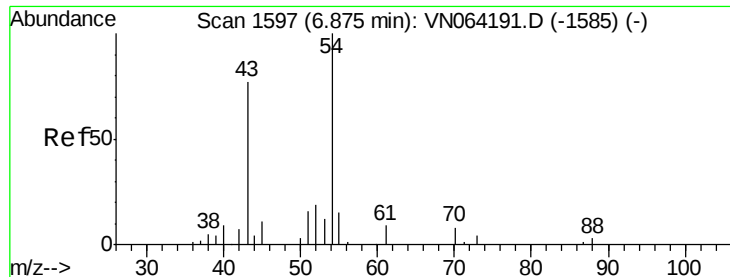
86 8.4 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN064191.D (-1251) (-)

Ion 86.00 (85.70 to 86.70): VN064191.D (-1251) (-)





#43

Ethyl Acetate

Concen: 14.781 ug/l

RT: 6.87 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

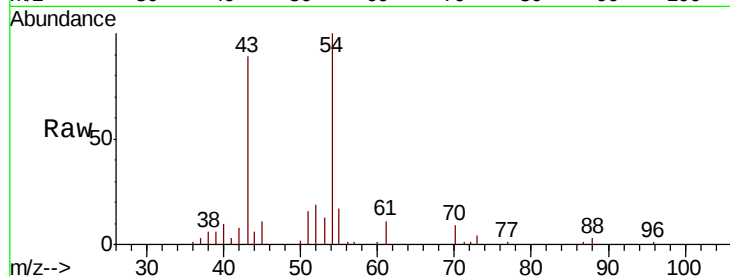
VSTDICCC020

Tot Ion: 43 Resp: 79719

Ion Ratio Lower Upper

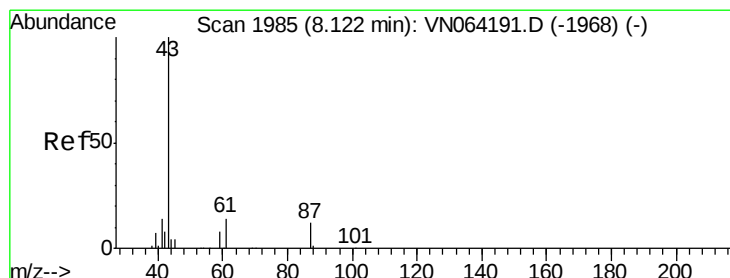
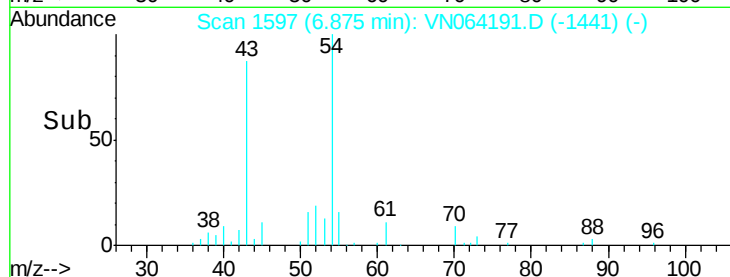
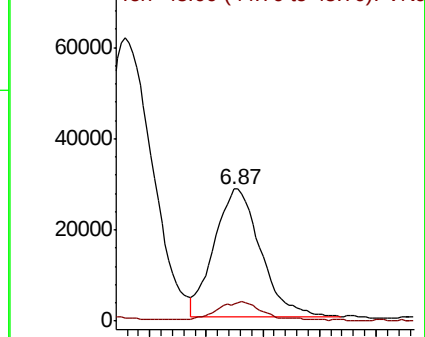
43 100

45 12.3 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 17.130 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN064191.D

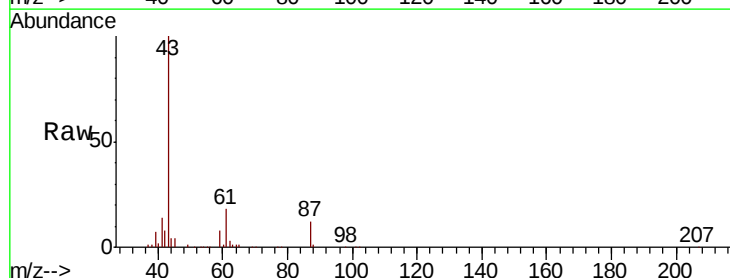
Acq: 20 Oct 2020 10:24

Tgt Ion: 43 Resp: 155899

Ion Ratio Lower Upper

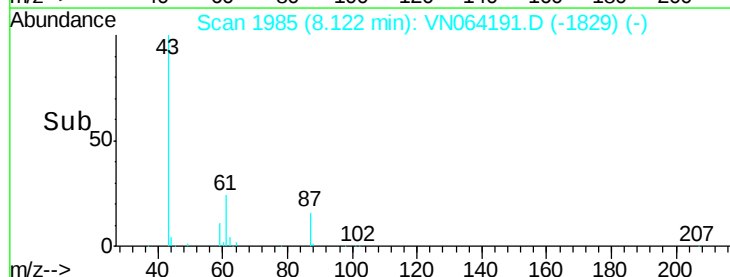
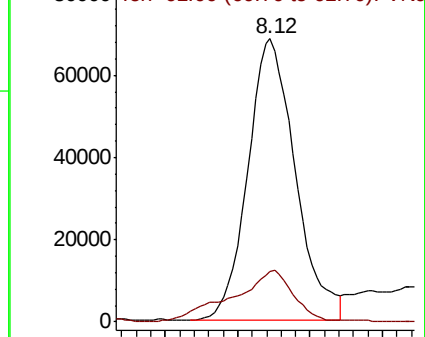
43 100

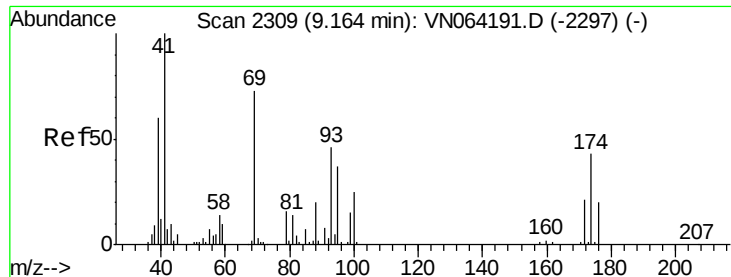
61 23.4 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

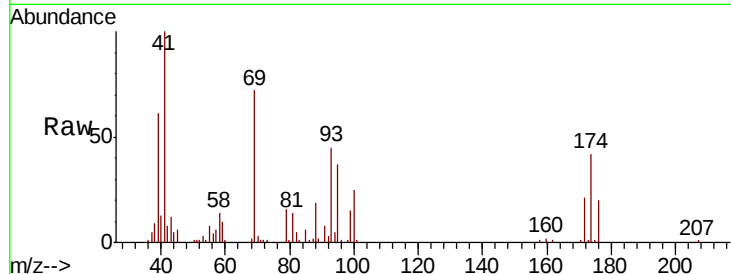




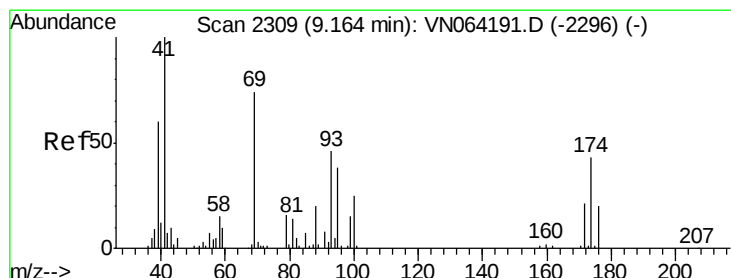
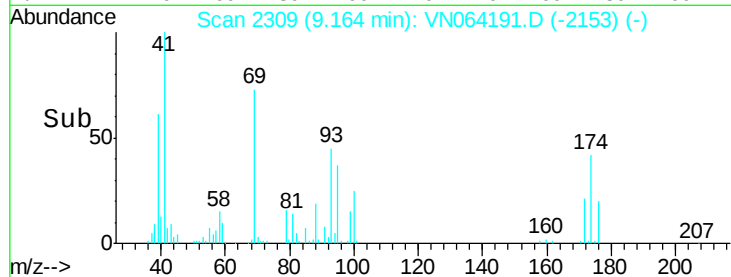
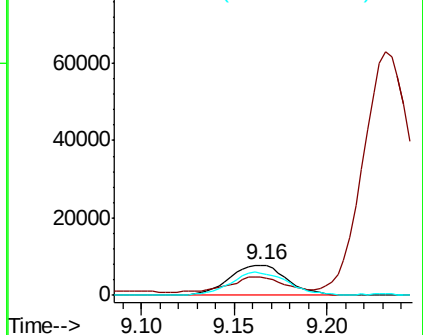
#45
 1,4-Dioxane
 Concen: 292.384 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 88 Resp: 16648
 Ion Ratio Lower Upper
 88 100
 43 46.2 37.0 55.4
 58 78.0 62.4 93.6

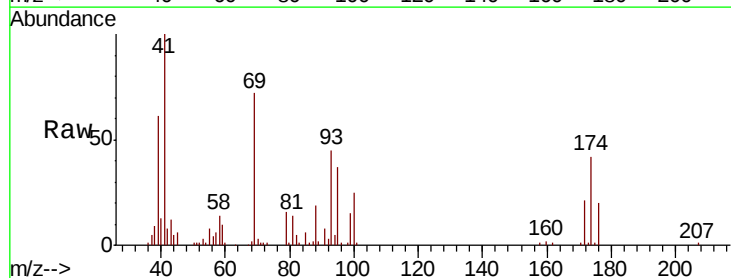


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

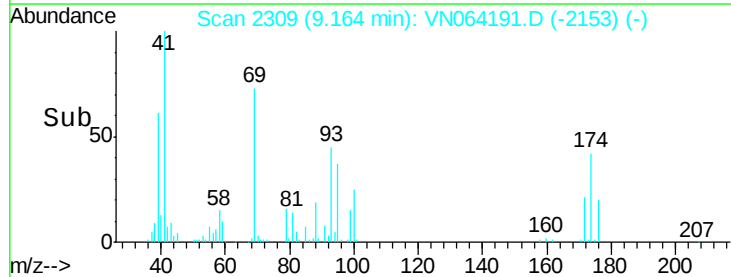
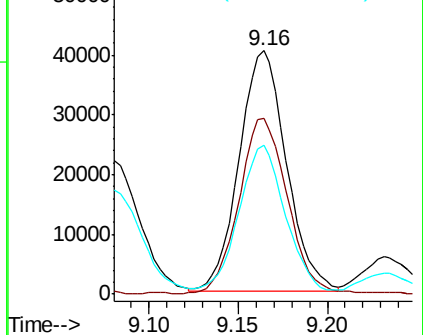


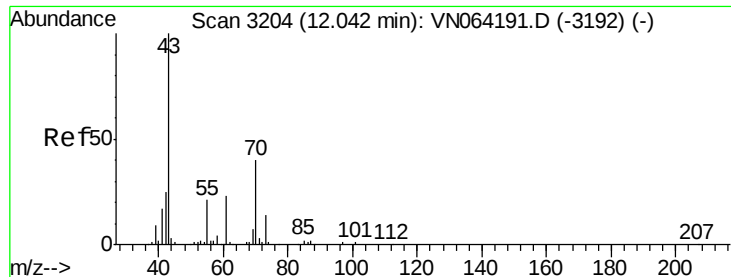
#46
 Methyl methacrylate
 Concen: 16.585 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Tgt Ion: 41 Resp: 74473
 Ion Ratio Lower Upper
 41 100
 69 73.6 36.8 110.4
 39 60.8 30.4 91.2



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





#47

n-amvl Acetate

Concen: 16.084 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

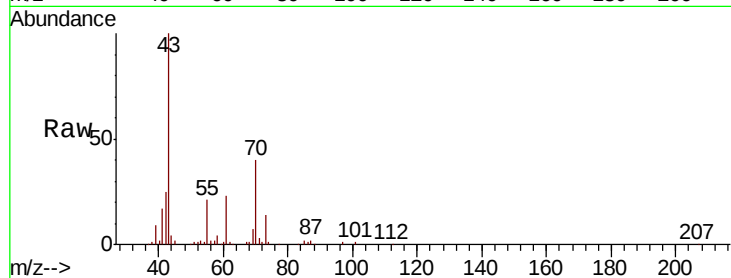
VSTDICCC020

Tot Ion: 43 Resp: 130427

Ion Ratio Lower Upper

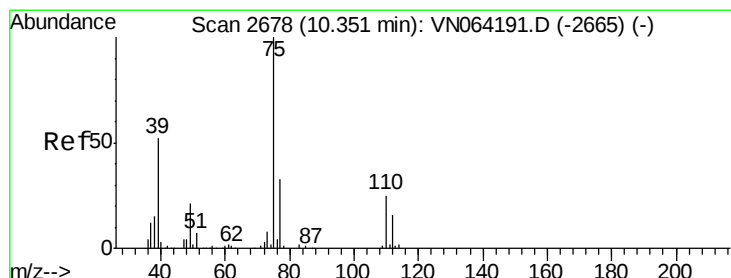
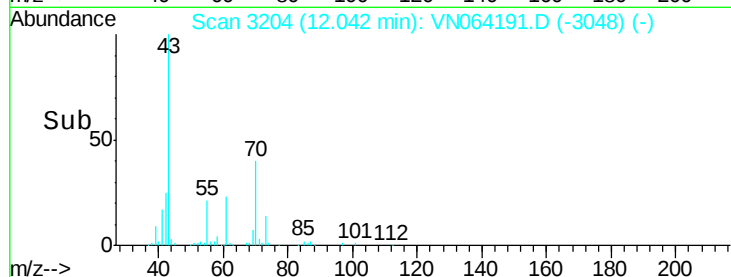
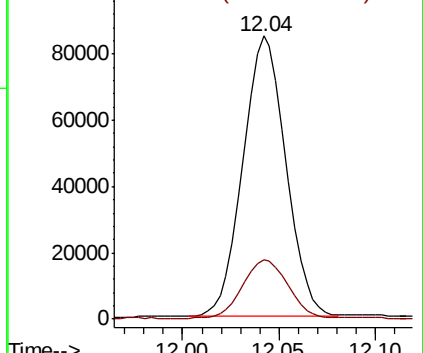
43 100

55 22.0 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 17.661 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN064191.D

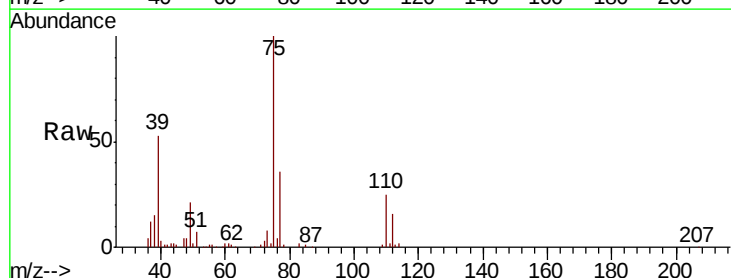
Acq: 20 Oct 2020 10:24

Tgt Ion: 75 Resp: 112777

Ion Ratio Lower Upper

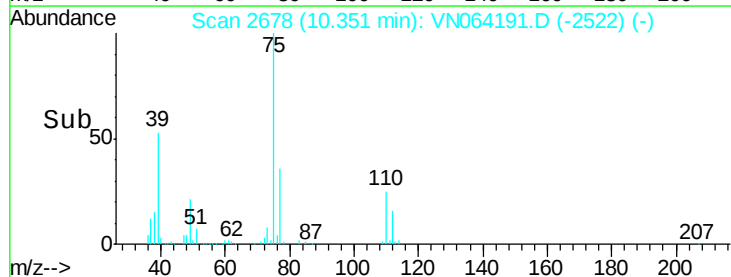
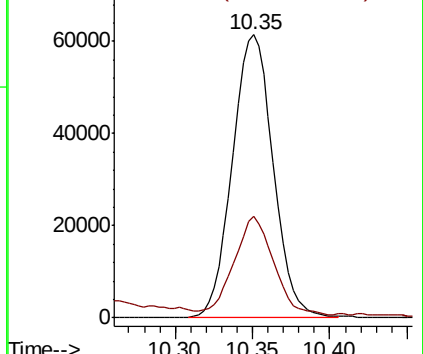
75 100

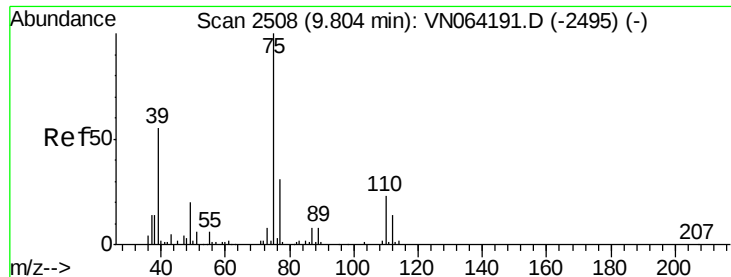
77 34.3 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



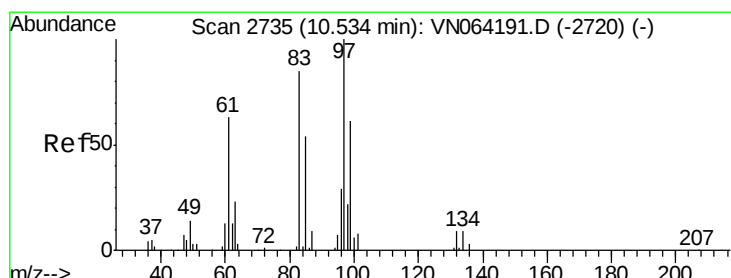
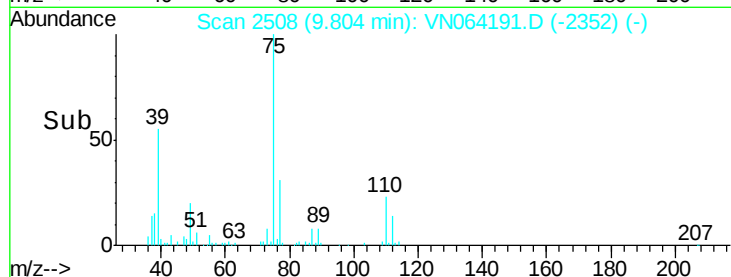
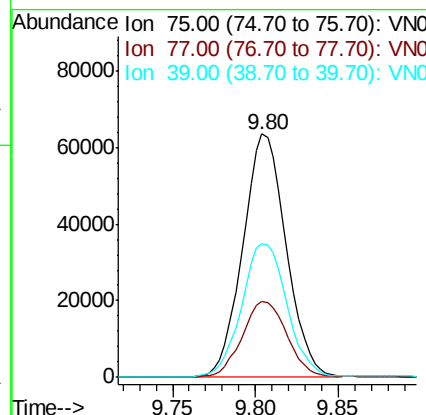
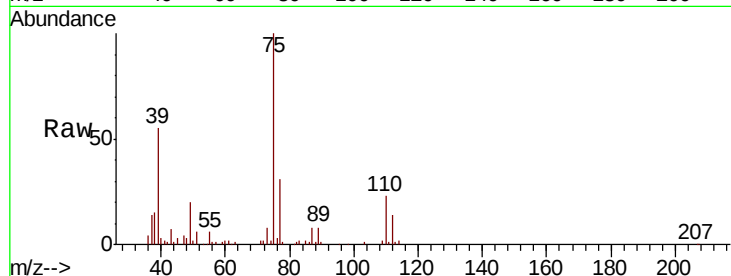


#49

cis-1,3-Dichloropropene
Concen: 17.423 ug/l
RT: 9.80 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

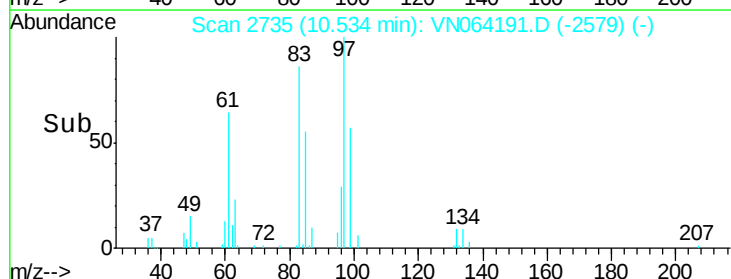
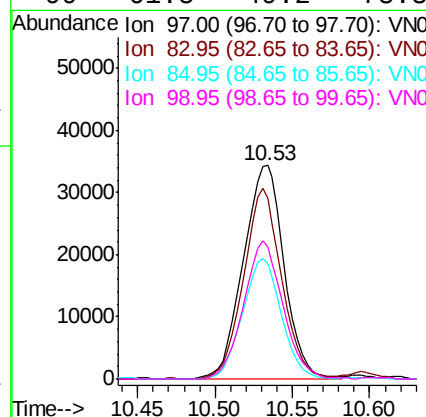
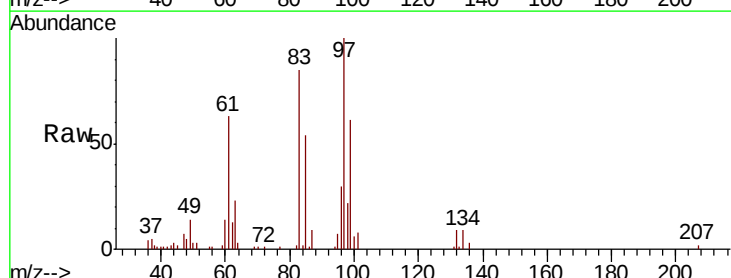
Tot Ion: 75 Resp: 115622
Ion Ratio Lower Upper
75 100
77 30.6 24.5 36.7
39 54.8 43.8 65.8

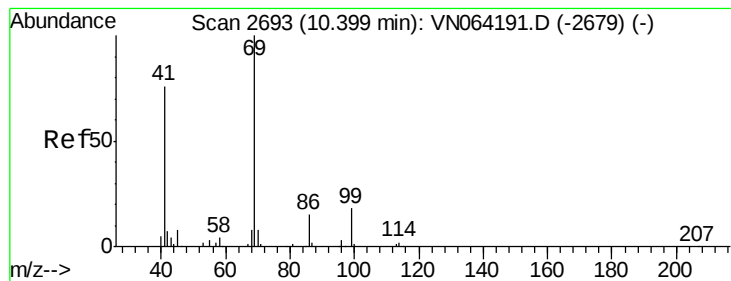


#50

1,1,2-Trichloroethane
Concen: 16.781 ug/l
RT: 10.53 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion: 97 Resp: 63041
Ion Ratio Lower Upper
97 100
83 84.6 67.7 101.5
85 54.0 43.2 64.8
99 61.5 49.2 73.8





#51

Ethyl methacrylate

Concen: 17.569 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

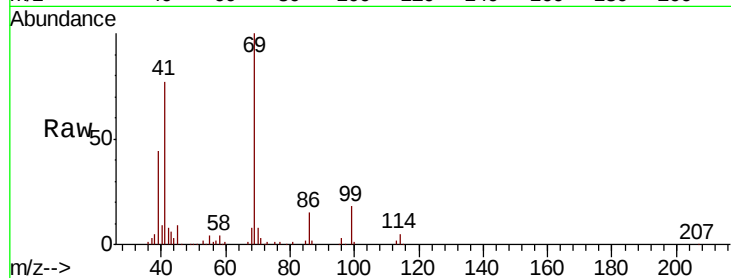
Tot Ion: 69 Resp: 97256

Ion Ratio Lower Upper

69 100

41 76.1 38.0 114.1

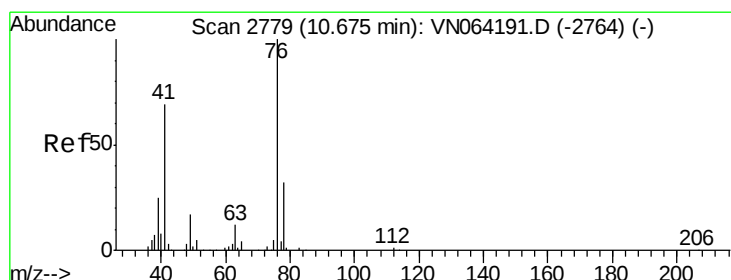
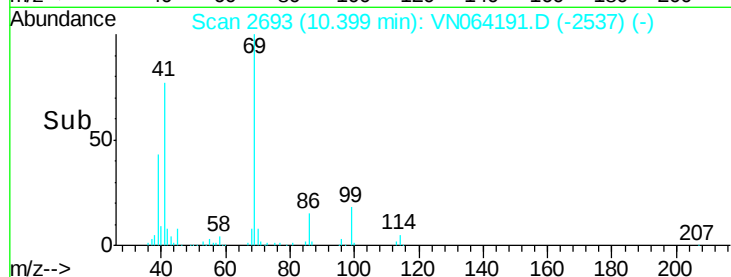
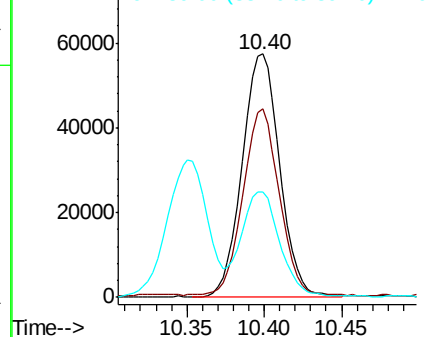
39 42.9 21.4 64.3



Abundance Ion 69.00 (68.70 to 69.70): VN064191.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN064191.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN064191.D (-2679) (-)



#52

1,3-Dichloropropane

Concen: 16.597 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN064191.D

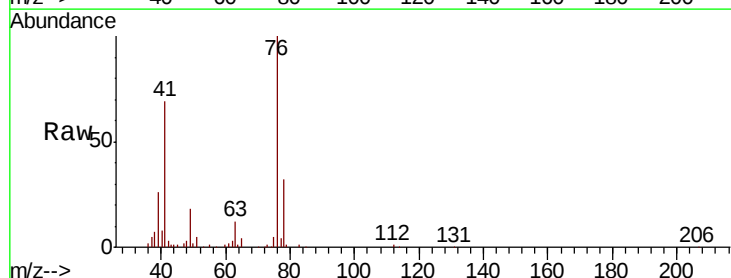
Acq: 20 Oct 2020 10:24

Tgt Ion: 76 Resp: 106817

Ion Ratio Lower Upper

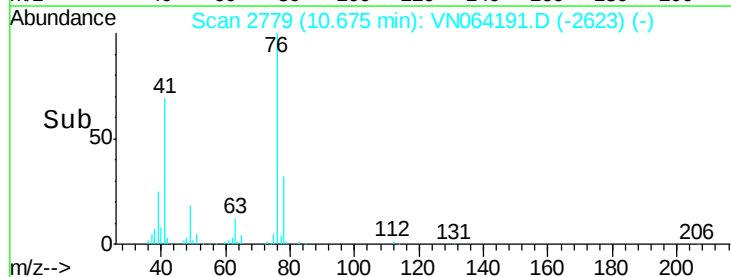
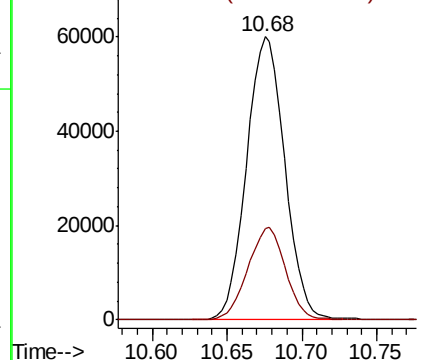
76 100

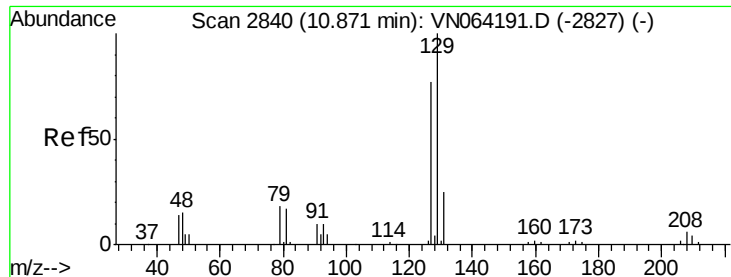
78 32.2 0.0 64.4



Abundance Ion 76.00 (75.70 to 76.70): VN064191.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN064191.D (-2764) (-)





#53

Dibromochloromethane

Concen: 17.841 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

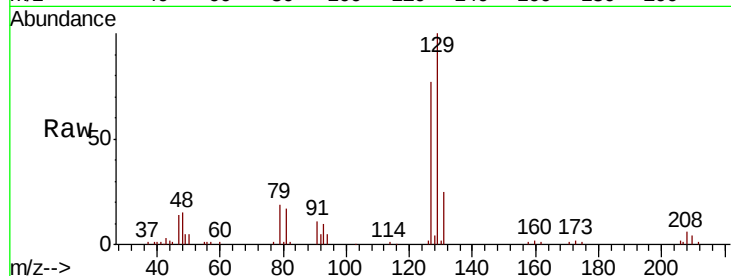
VSTDICCC020

Tot Ion:129 Resp: 77887

Ion Ratio Lower Upper

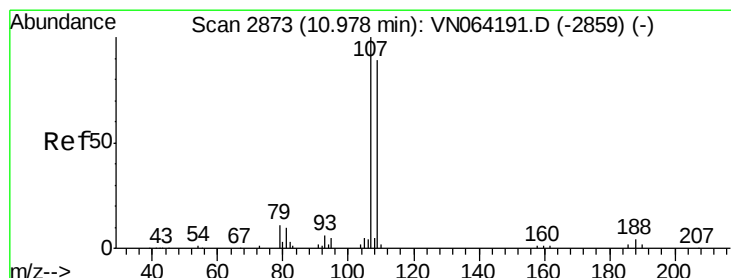
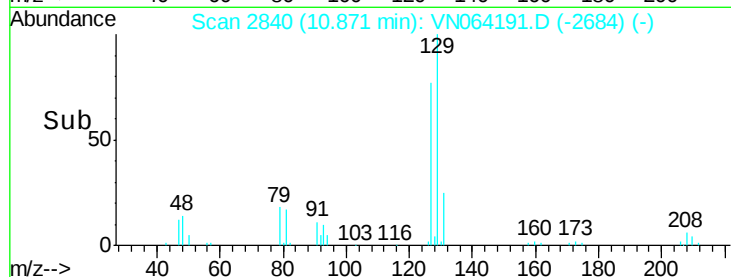
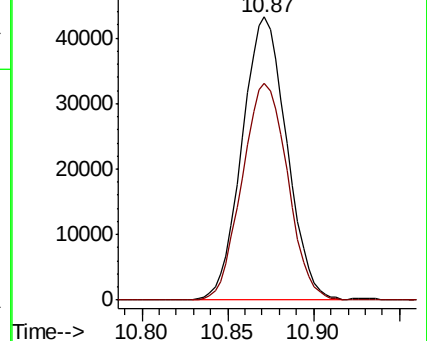
129 100

127 78.0 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 16.881 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064191.D

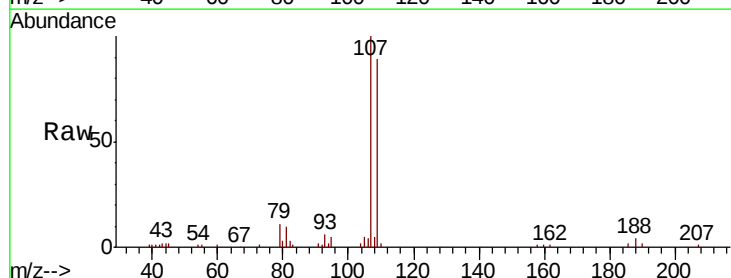
Acq: 20 Oct 2020 10:24

Tgt Ion:107 Resp: 66387

Ion Ratio Lower Upper

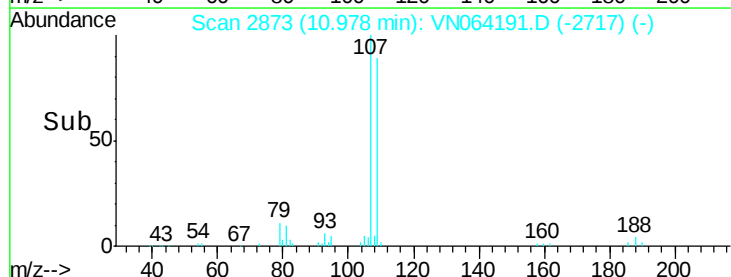
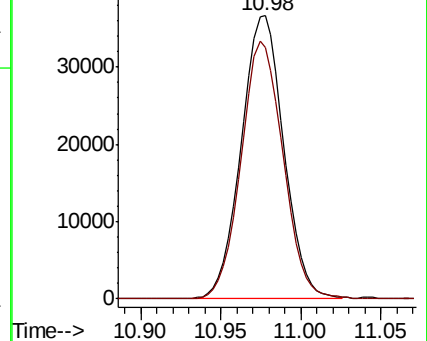
107 100

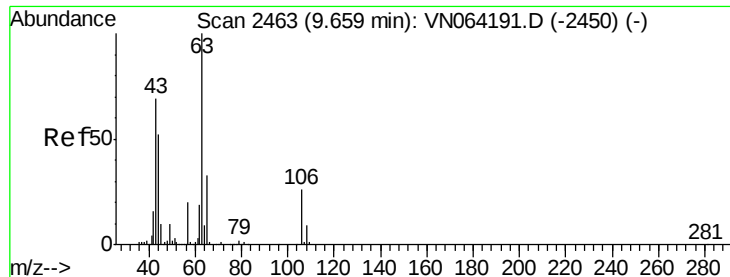
109 89.8 71.8 107.8



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: 84.744 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

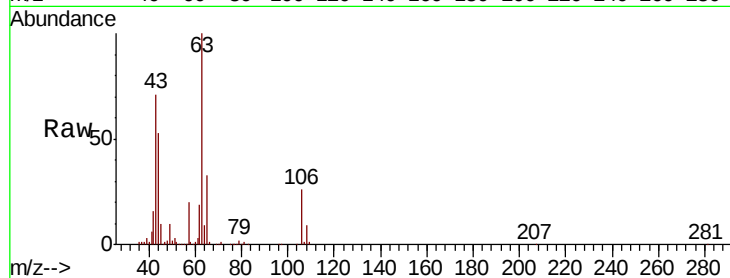
Tot Ion: 63 Resp: 251802

Ion Ratio Lower Upper

63 100

65 32.4 25.9 38.9

106 26.8 21.4 32.2

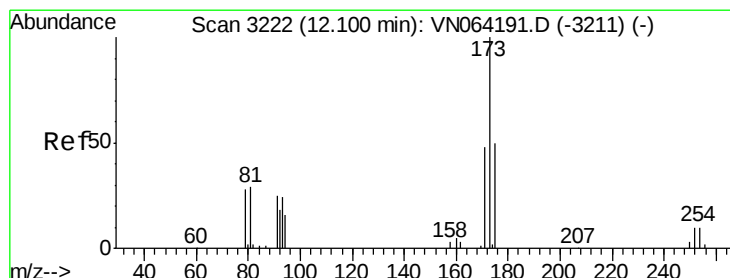
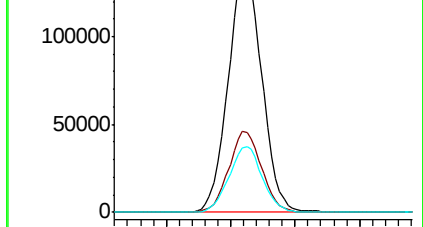
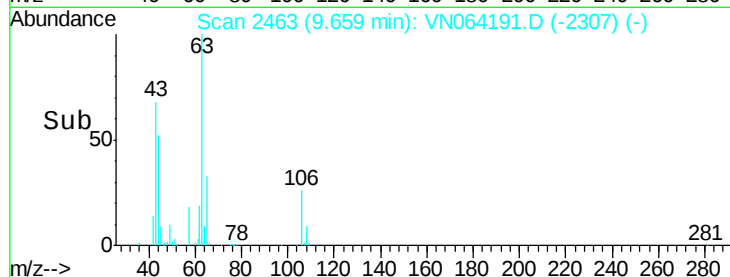


Abundance Ion 63.00 (62.70 to 63.70): VN064191.D (-2450) (-)

Ion 65.00 (64.70 to 65.70): VN064191.D (-2450) (-)

Ion 106.00 (105.70 to 106.70): VN064191.D (-2450) (-)

Time-->



#56

Bromoform

Concen: 17.525 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

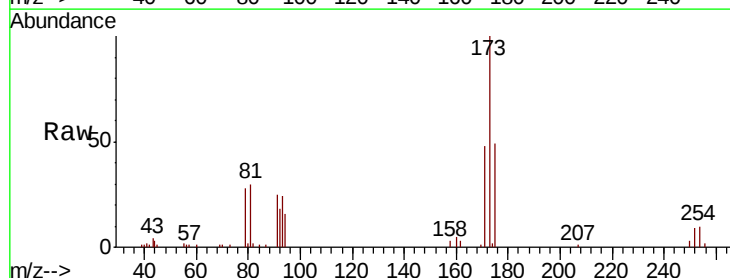
Tgt Ion: 173 Resp: 53596

Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

254 8.5 6.8 10.2

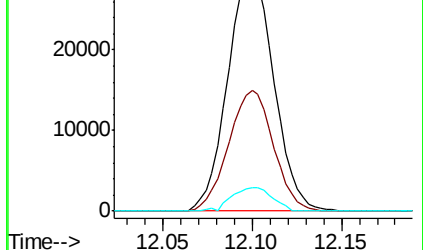
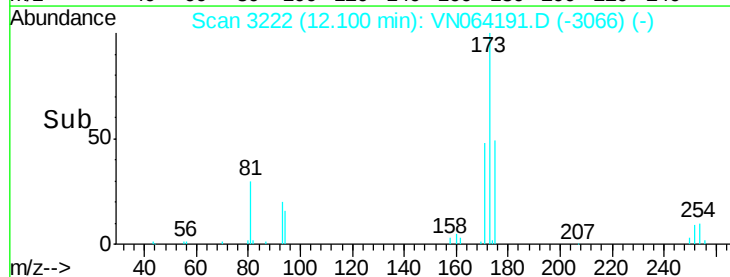


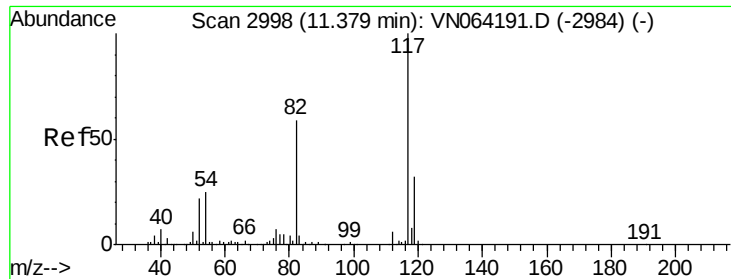
Abundance Ion 173.00 (172.70 to 173.70): VN064191.D (-3211) (-)

Ion 175.00 (174.70 to 175.70): VN064191.D (-3211) (-)

Ion 254.00 (253.70 to 254.70): VN064191.D (-3211) (-)

Time-->

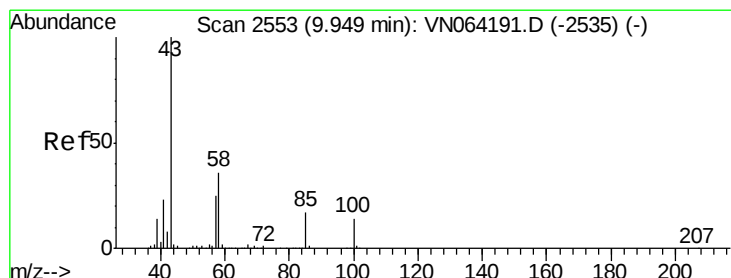
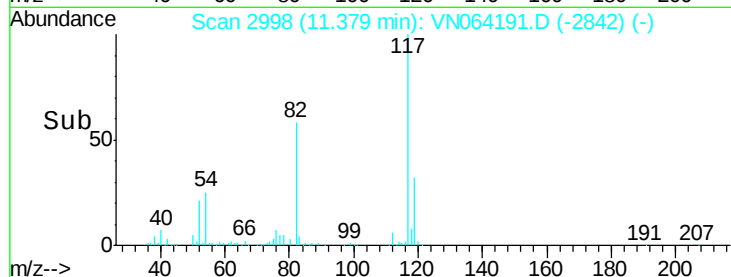
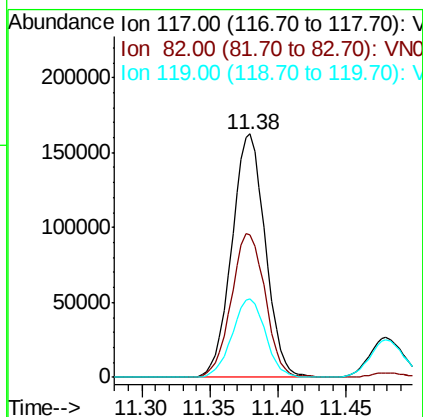
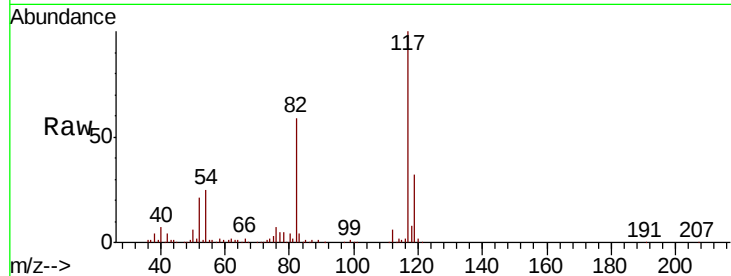




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

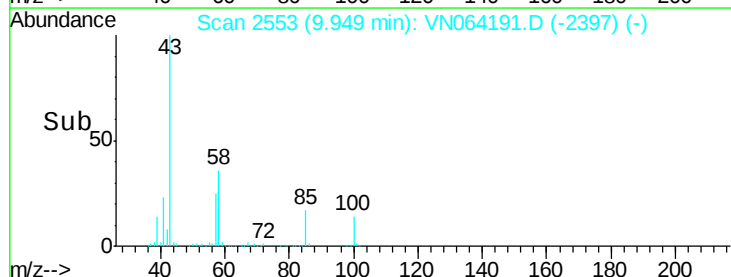
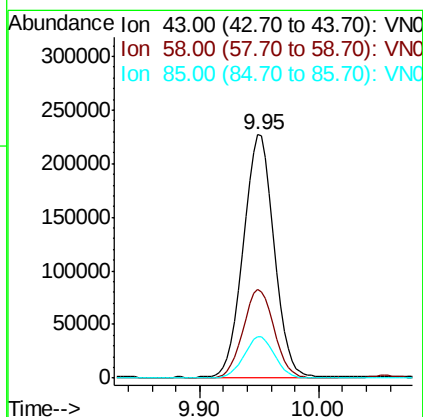
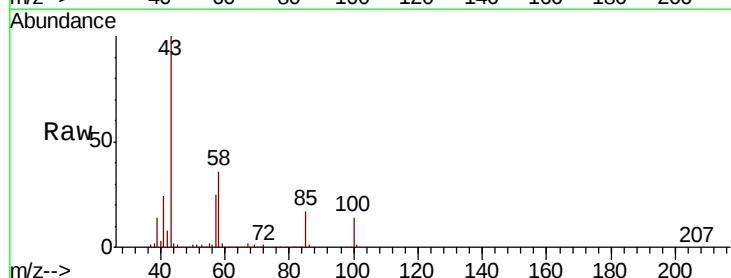
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

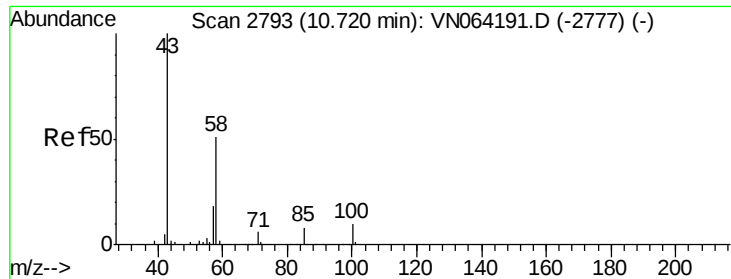
Tot Ion:117 Resp: 276900
Ion Ratio Lower Upper
117 100
82 59.8 47.8 71.8
119 32.1 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 80.386 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion: 43 Resp: 404622
Ion Ratio Lower Upper
43 100
58 36.9 29.5 44.3
85 17.1 13.7 20.5

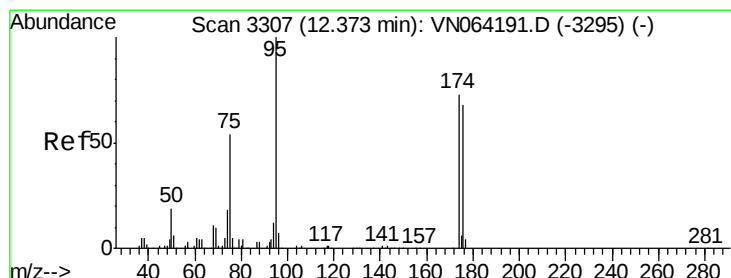
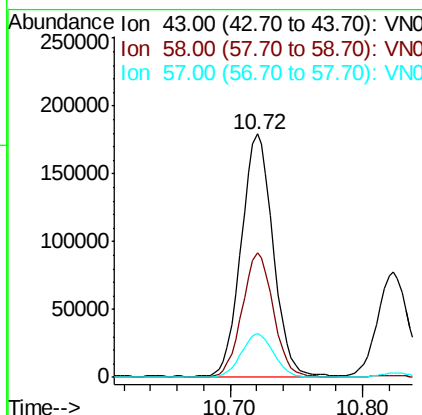
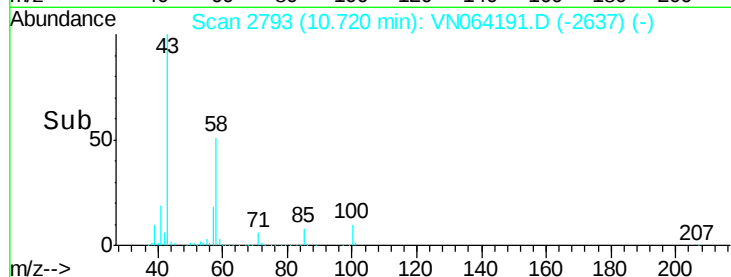
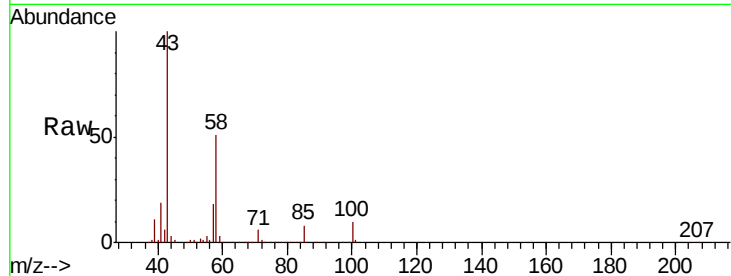




#59
2-Hexanone
Concen: 79.241 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

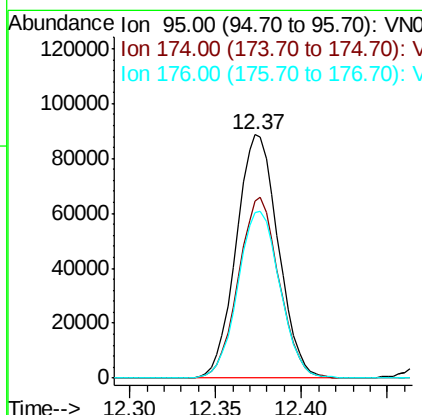
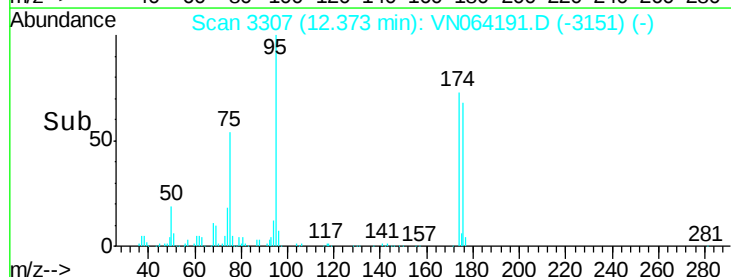
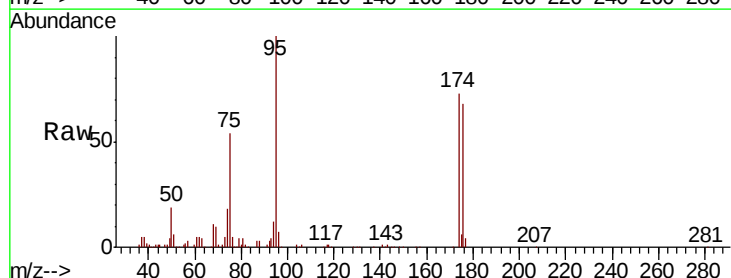
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

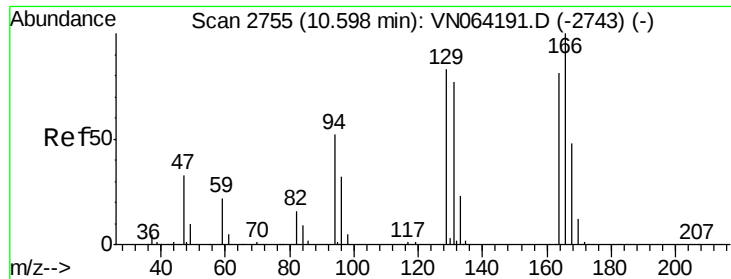
Tot Ion: 43 Resp: 298158
Ion Ratio Lower Upper
43 100
58 50.3 40.2 60.4
57 18.5 14.8 22.2



#60
4-Bromofluorobenzene
Concen: 31.167 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion: 95 Resp: 150427
Ion Ratio Lower Upper
95 100
174 72.0 57.6 86.4
176 68.6 54.9 82.3

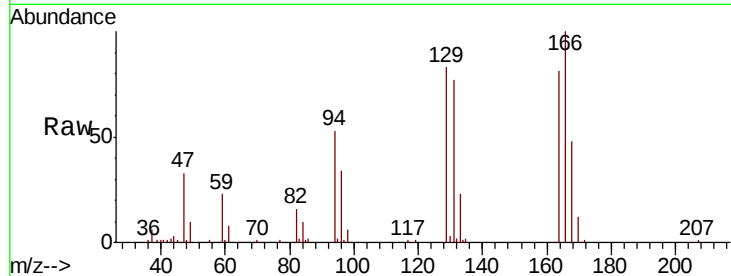




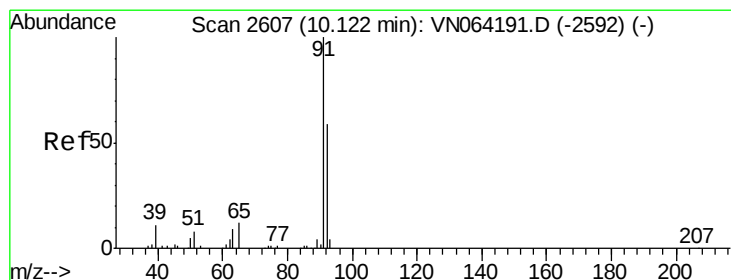
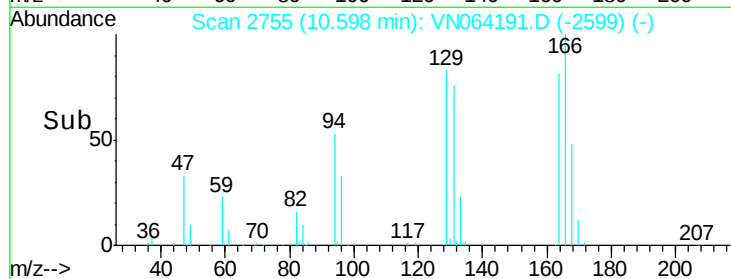
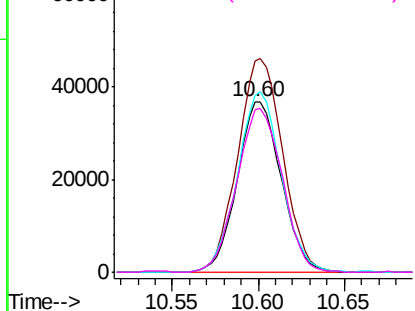
#61
Tetrachloroethene
Concen: 19.212 ug/l
RT: 10.60 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:164 Resp: 65291
Ion Ratio Lower Upper
164 100
166 124.0 99.2 148.8
129 103.5 82.8 124.2
131 95.3 76.2 114.4

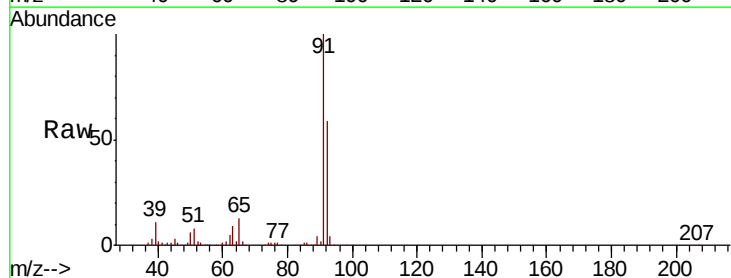


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

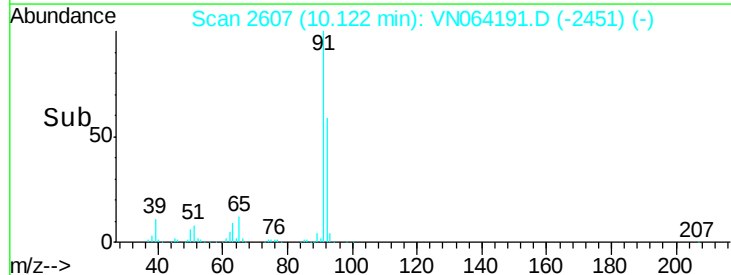
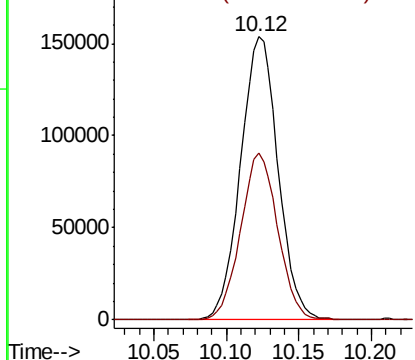


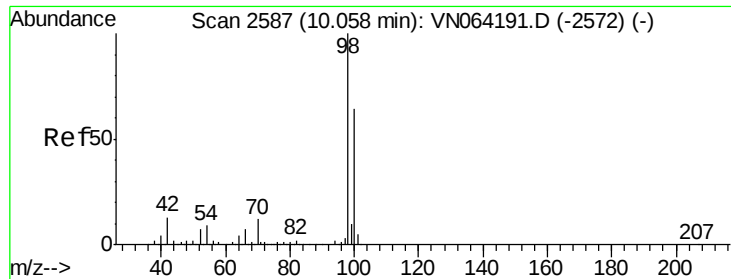
#62
Toluene
Concen: 18.050 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion: 91 Resp: 276865
Ion Ratio Lower Upper
91 100
92 58.5 46.8 70.2



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





#63

Toluene-d8

Concen: 30.198 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

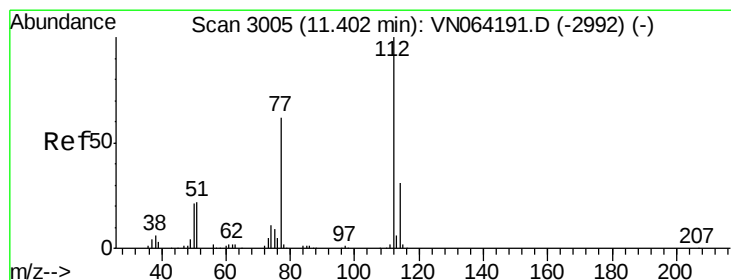
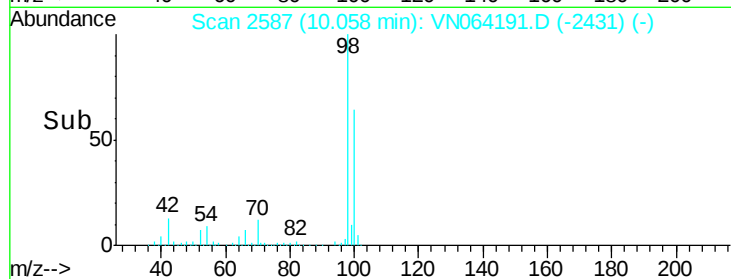
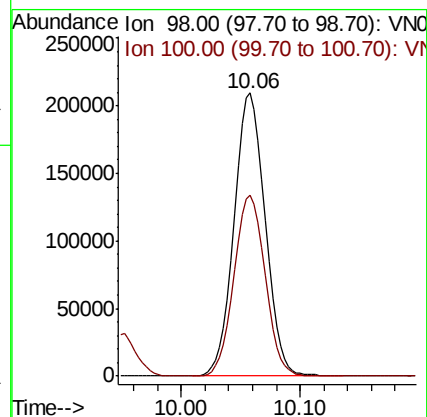
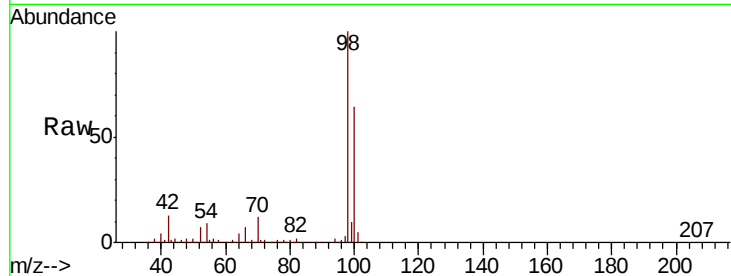
VSTDICCC020

Tot Ion: 98 Resp: 379335

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.2



#64

Chlorobenzene

Concen: 18.445 ug/l

RT: 11.40 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN064191.D

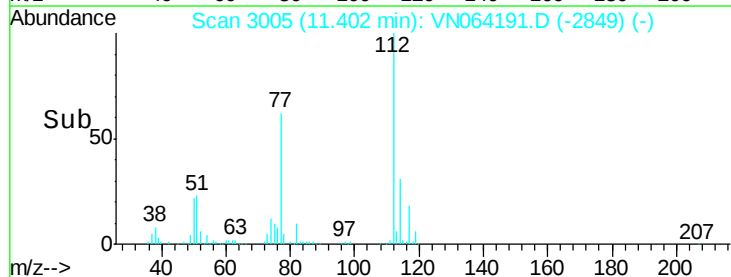
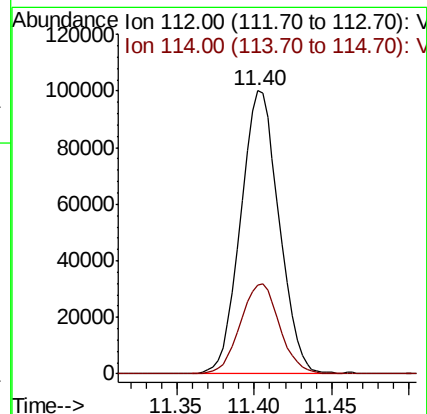
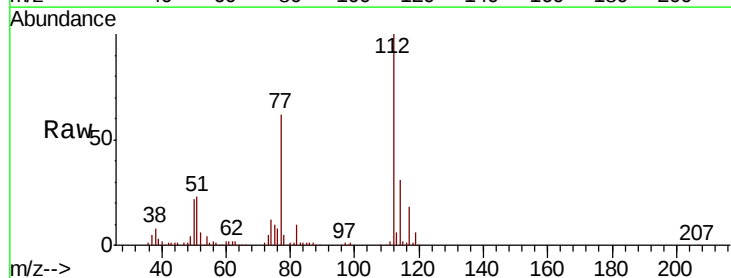
Acq: 20 Oct 2020 10:24

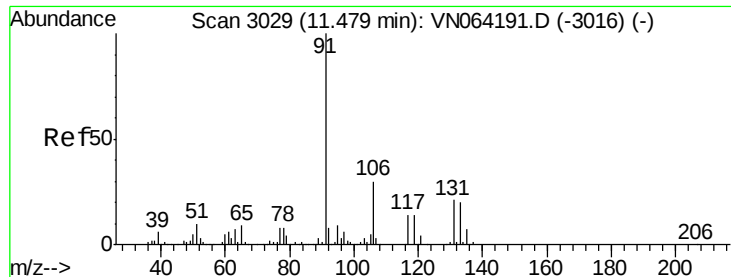
Tgt Ion: 112 Resp: 172693

Ion Ratio Lower Upper

112 100

114 31.4 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 18.311 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

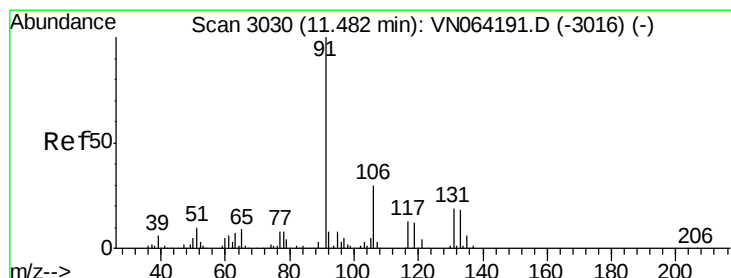
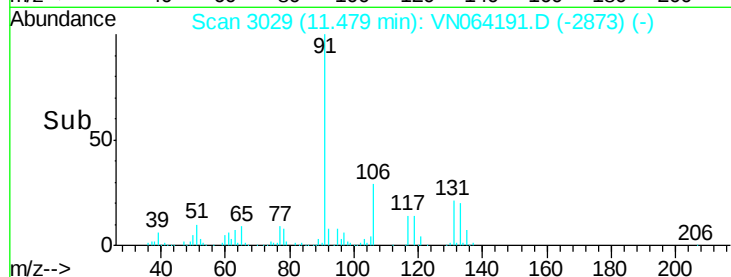
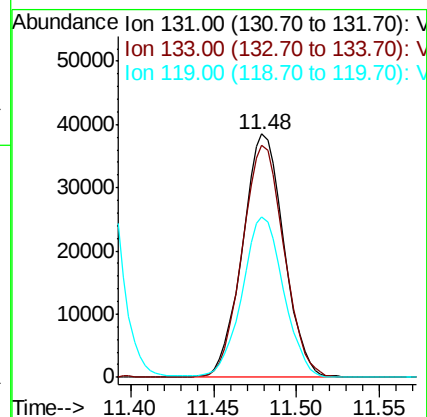
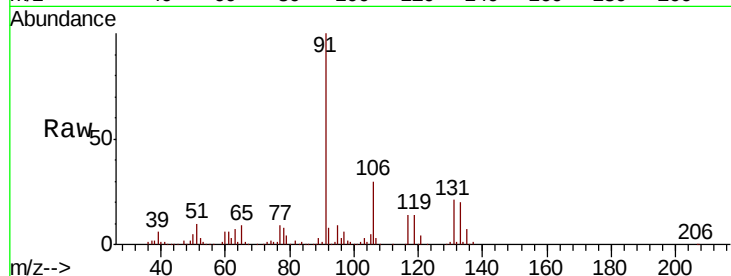
Tot Ion:131 Resp: 66822

Ion Ratio Lower Upper

131 100

133 96.5 0.0 193.0

119 66.1 0.0 132.2



#66

Ethyl Benzene

Concen: 18.832 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064191.D

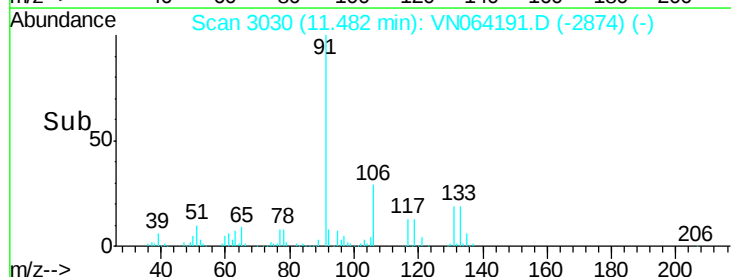
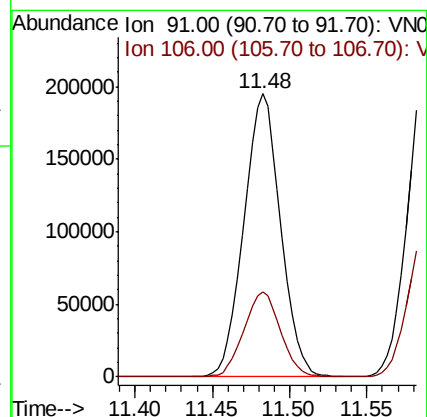
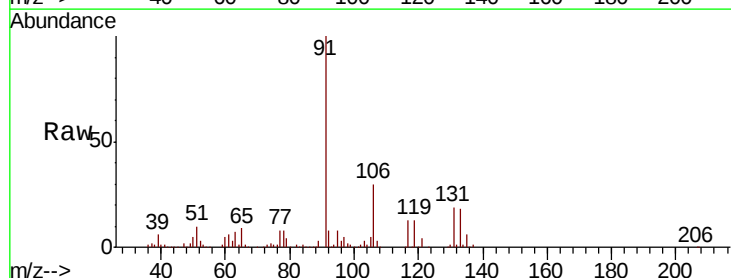
Acq: 20 Oct 2020 10:24

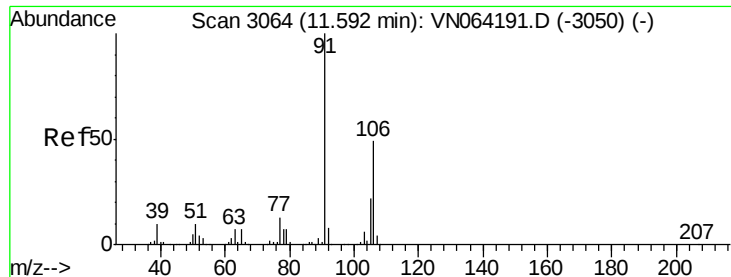
Tgt Ion: 91 Resp: 321488

Ion Ratio Lower Upper

91 100

106 29.9 23.9 35.9





#67

m/p-Xylenes

Concen: 37.176 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

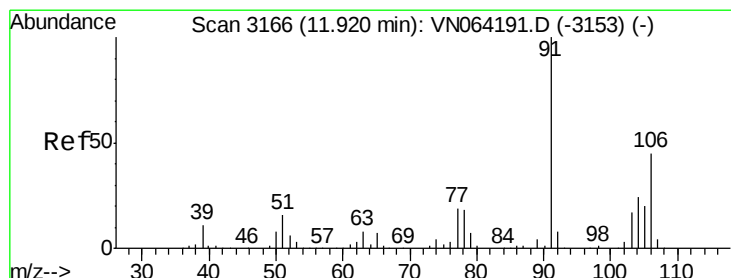
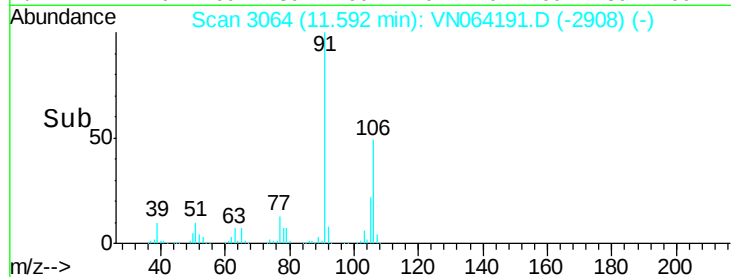
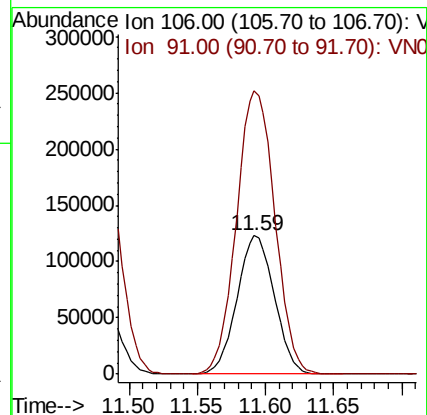
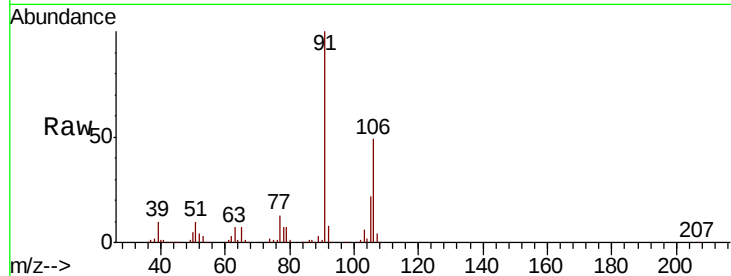
VSTDICCC020

Tot Ion:106 Resp: 234672

Ion Ratio Lower Upper

106 100

91 209.9 167.9 251.9



#68

o-Xylene

Concen: 18.451 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. 0.00 min

Lab File: VN064191.D

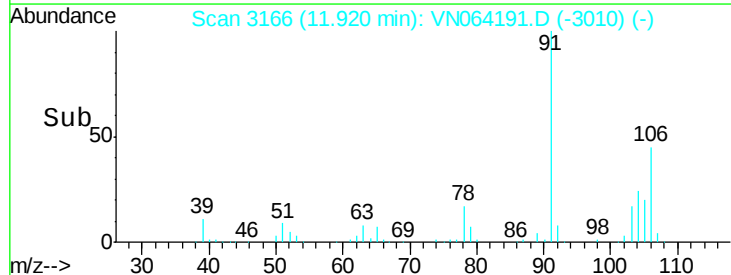
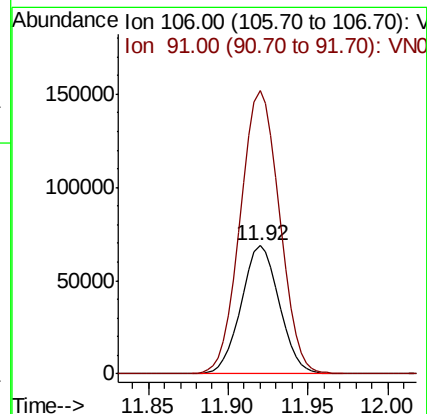
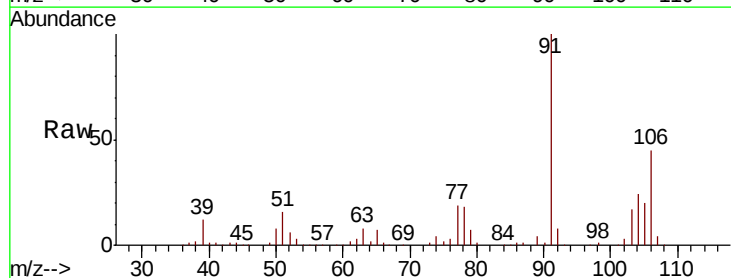
Acq: 20 Oct 2020 10:24

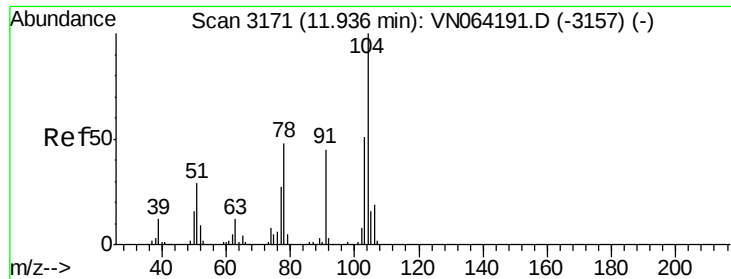
Tgt Ion:106 Resp: 111426

Ion Ratio Lower Upper

106 100

91 227.8 113.9 341.7

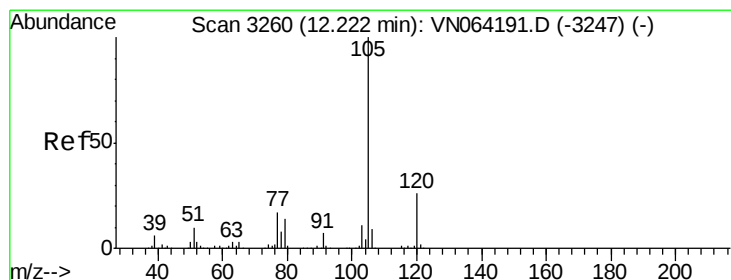
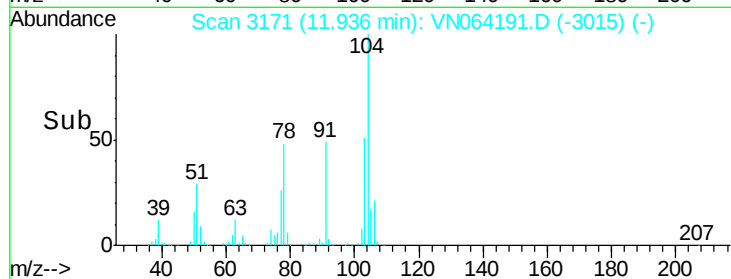
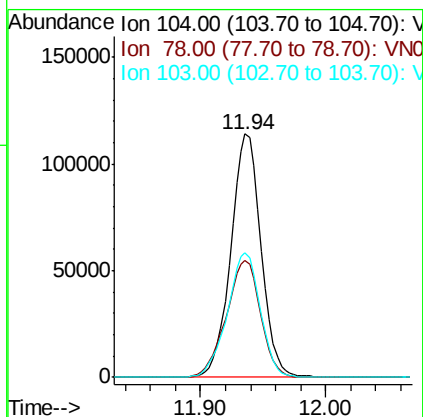
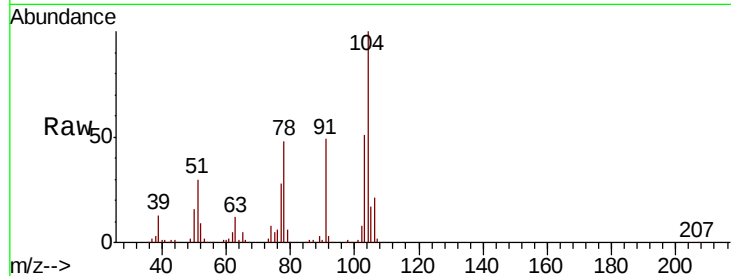




#69
Stvrene
Concen: 18.444 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

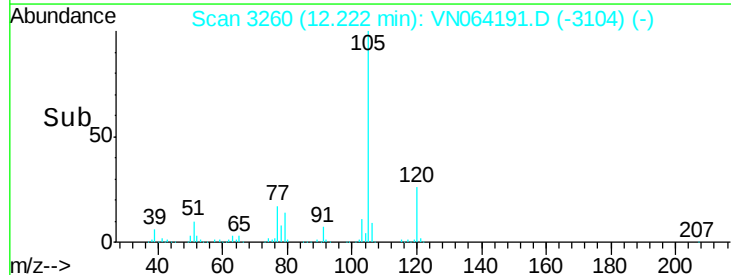
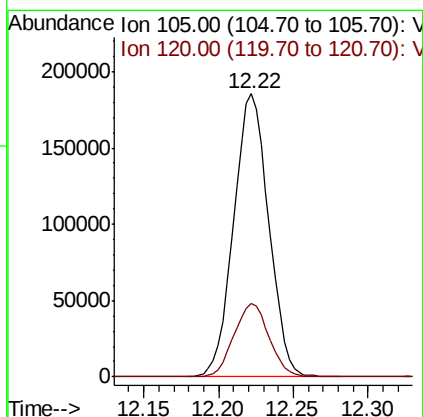
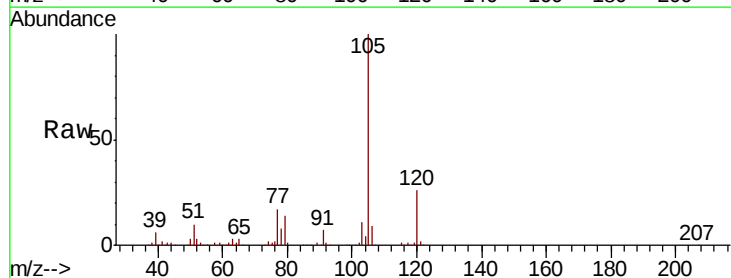
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

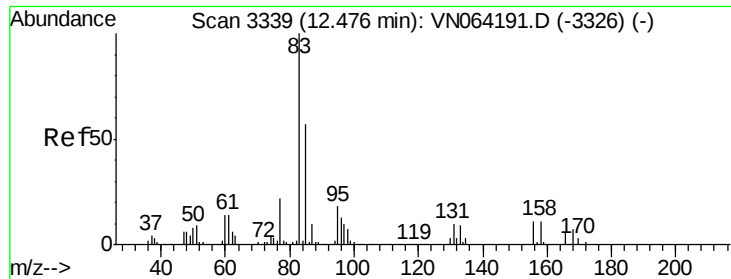
Tot Ion	Ratio	Lower	Upper
104	100		
78	54.5	43.6	65.4
103	56.0	44.8	67.2



#70
Isopropylbenzene
Concen: 18.812 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	18.1	33.7

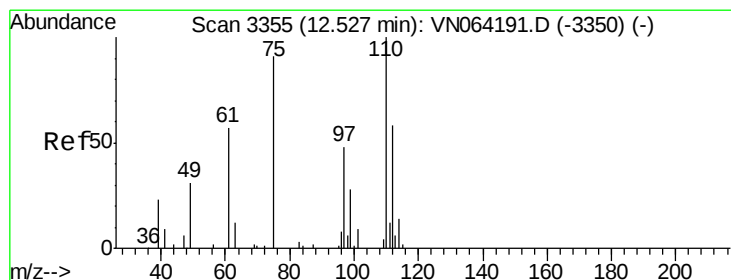
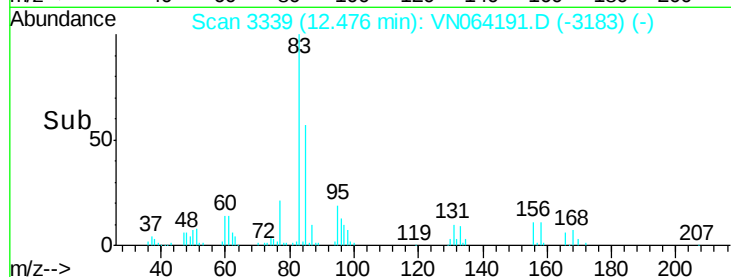
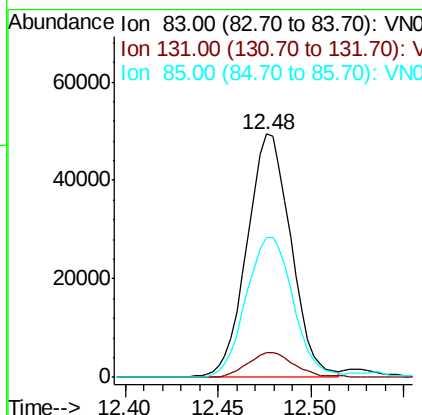
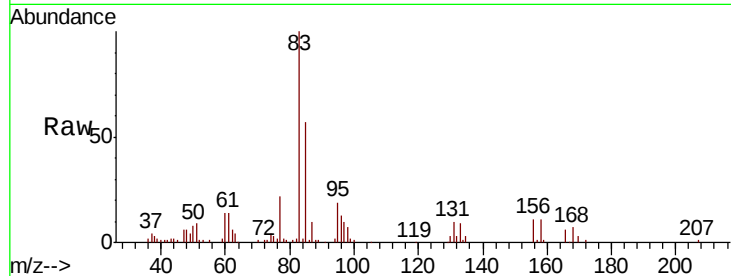




#71
 1,1,2,2-Tetrachloroethane
 Concen: 16.512 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

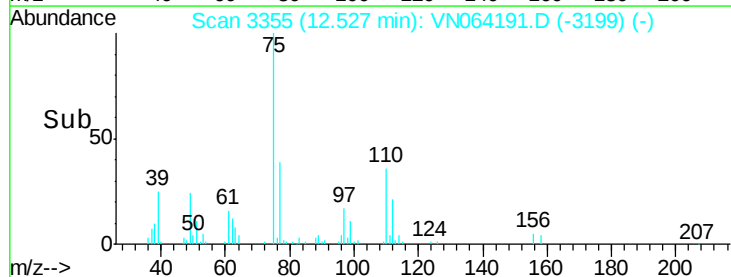
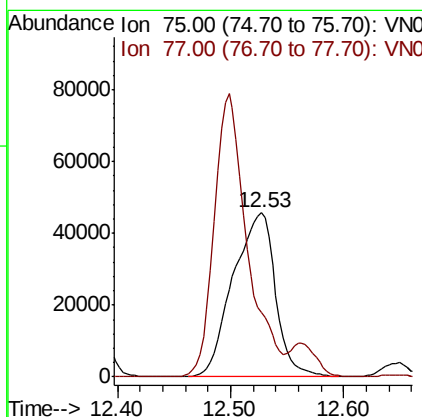
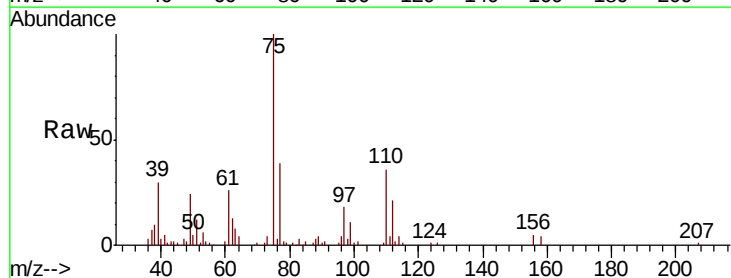
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

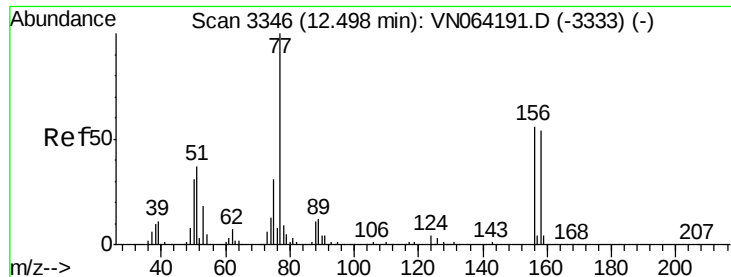
Tot Ion: 83 Resp: 81525
 Ion Ratio Lower Upper
 83 100
 131 10.9 5.5 16.4
 85 61.6 30.8 92.4



#72
 1,2,3-Trichloropropane
 Concen: 24.178 ug/l
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Tgt Ion: 75 Resp: 119219
 Ion Ratio Lower Upper
 75 100
 77 134.1 0.0 417.6





#73

Bromobenzene

Concen: 18.254 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

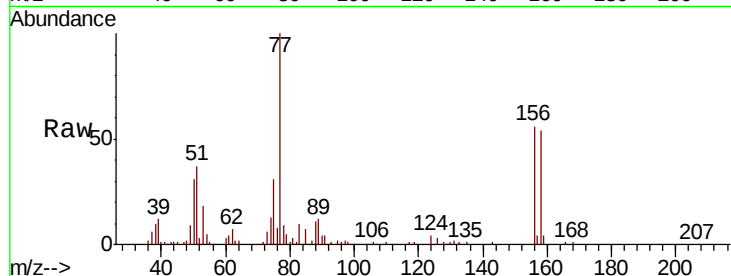
MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:156 Resp: 74375

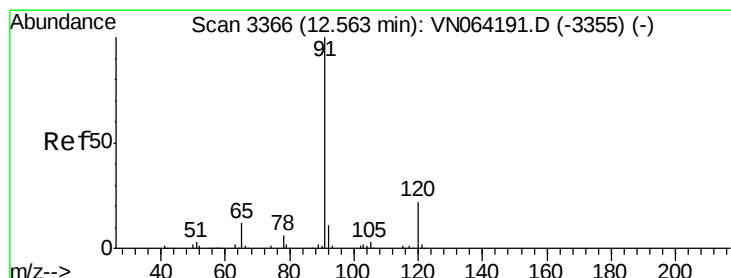
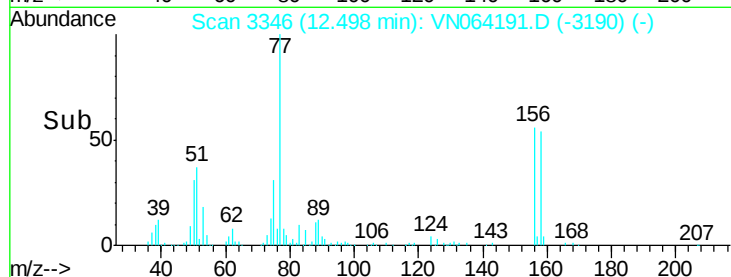
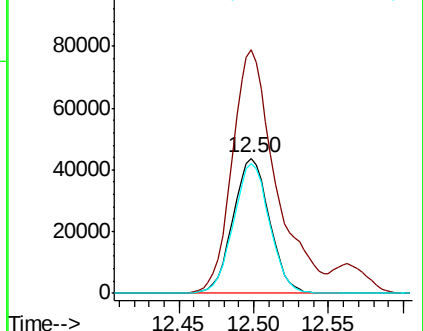
Ion	Ratio	Lower	Upper
156	100		
77	214.9	0.0	429.8
158	95.3	0.0	190.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.355 ug/l

RT: 12.56 min Scan# 3366

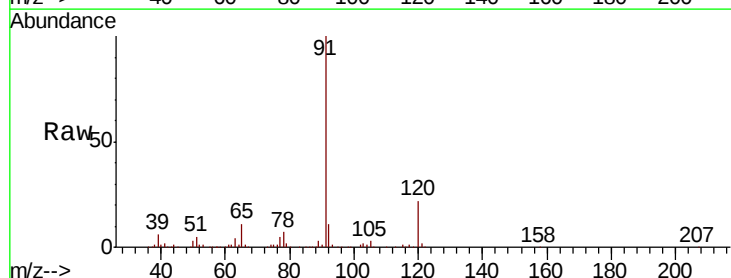
Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

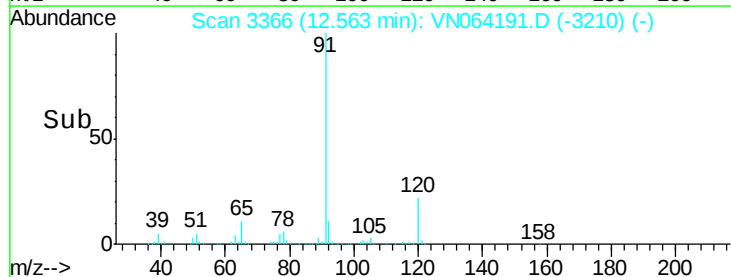
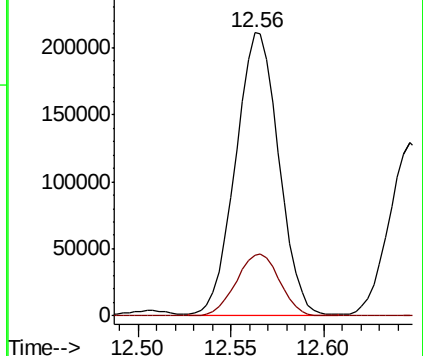
Tgt Ion: 91 Resp: 343581

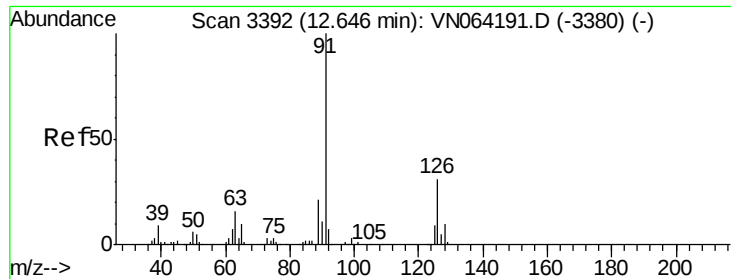
Ion	Ratio	Lower	Upper
91	100		
120	21.9	0.0	43.8



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.512 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

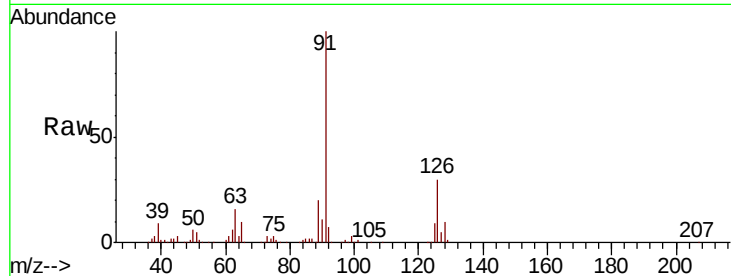
VSTDICCC020

Tot Ion: 91 Resp: 211566

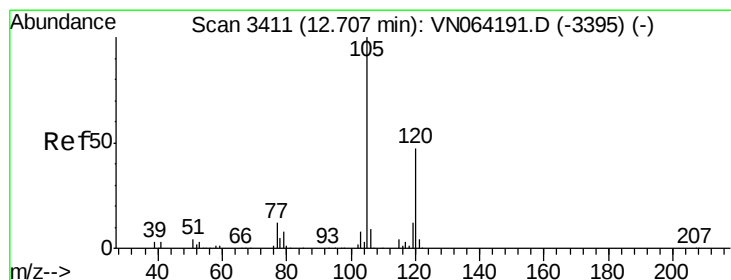
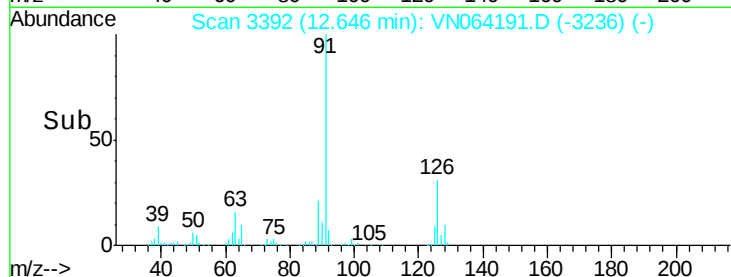
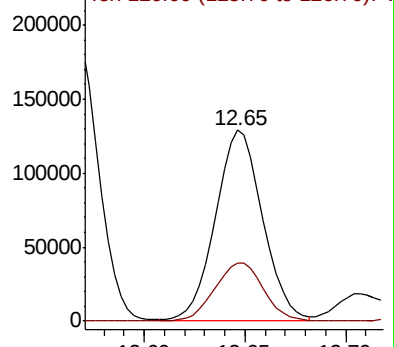
Ion Ratio Lower Upper

91 100

126 31.2 0.0 62.4



Abundance Ion 91.00 (90.70 to 91.70): VN064191.D (-3380) (-)



#76

1,3,5-Trimethylbenzene

Concen: 18.770 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064191.D

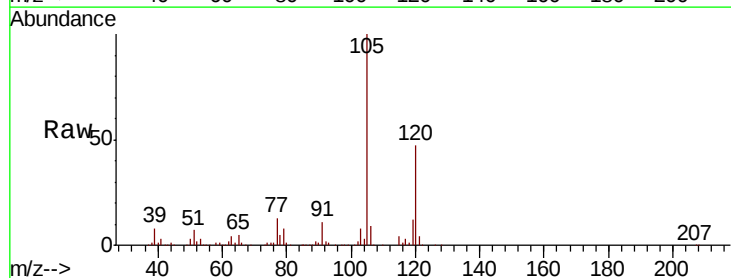
Acq: 20 Oct 2020 10:24

Tgt Ion: 105 Resp: 254936

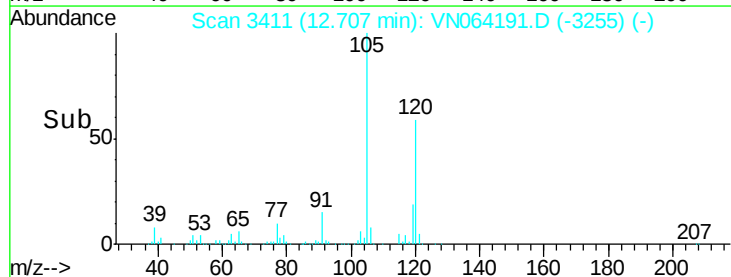
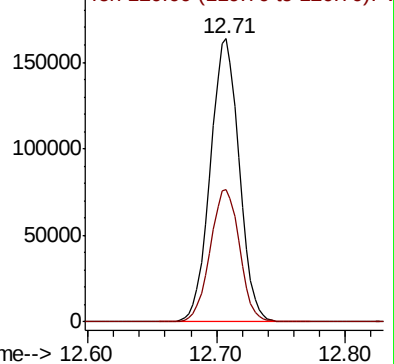
Ion Ratio Lower Upper

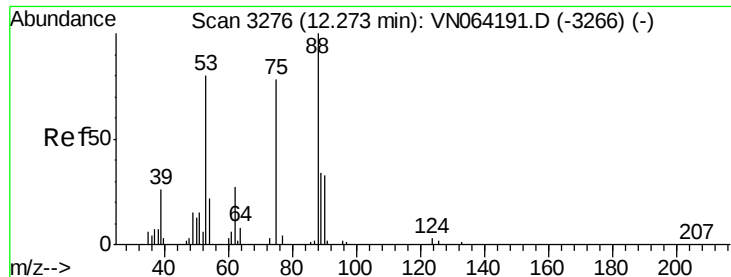
105 100

120 47.5 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064191.D (-3395) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.873 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

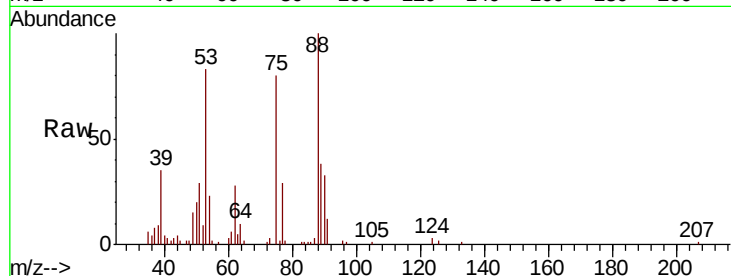
Tot Ion: 75 Resp: 32894

Ion Ratio Lower Upper

75 100

53 102.8 51.4 154.2

89 47.7 23.8 71.5



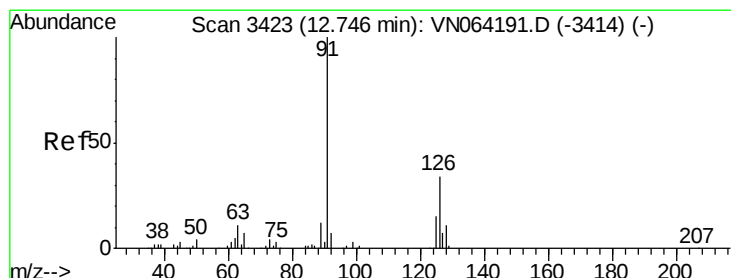
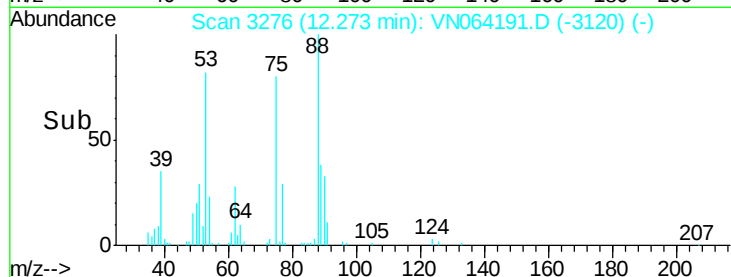
Abundance Ion 75.00 (74.70 to 75.70): VN064191.D (-3276) (-)

Ion 53.00 (52.70 to 53.70): VN064191.D (-3276) (-)

Ion 89.00 (88.70 to 89.70): VN064191.D (-3276) (-)

12.27

Time-->



#78

4-Chlorotoluene

Concen: 18.124 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064191.D

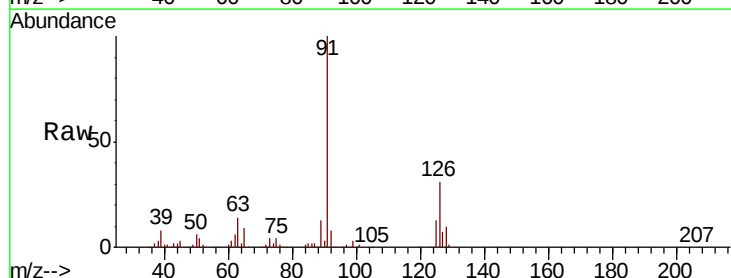
Acq: 20 Oct 2020 10:24

Tgt Ion: 91 Resp: 218337

Ion Ratio Lower Upper

91 100

126 31.6 0.0 63.2

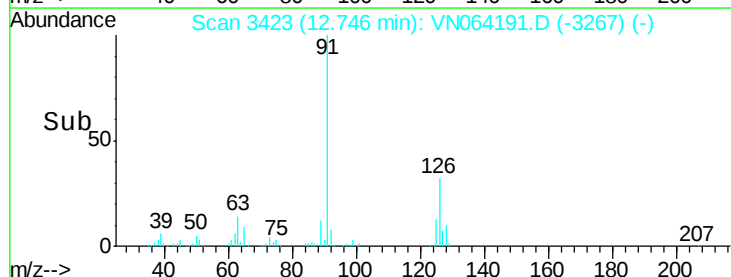


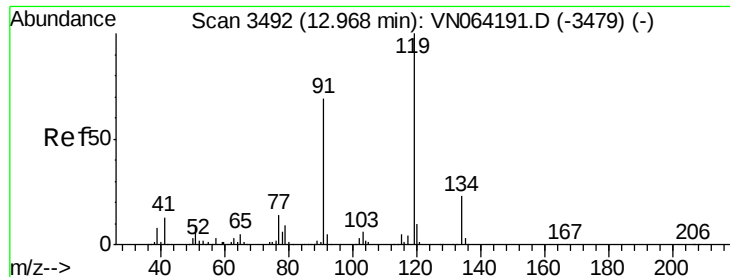
Abundance Ion 91.00 (90.70 to 91.70): VN064191.D (-3423) (-)

Ion 126.00 (125.70 to 126.70): VN064191.D (-3423) (-)

12.75

Time-->





#79

tert-butylbenzene

Concen: 19.129 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

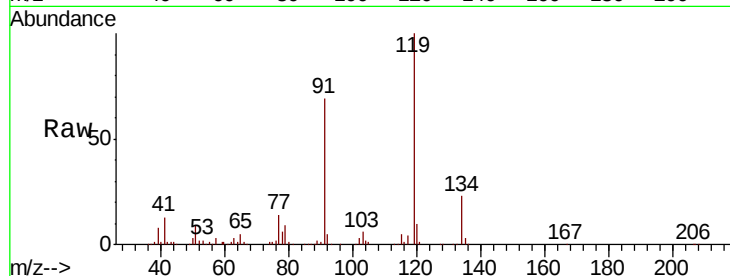
Tot Ion:119 Resp: 209657

Ion Ratio Lower Upper

119 100

91 71.6 0.0 143.2

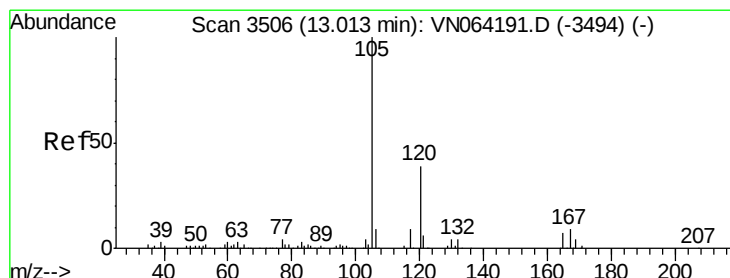
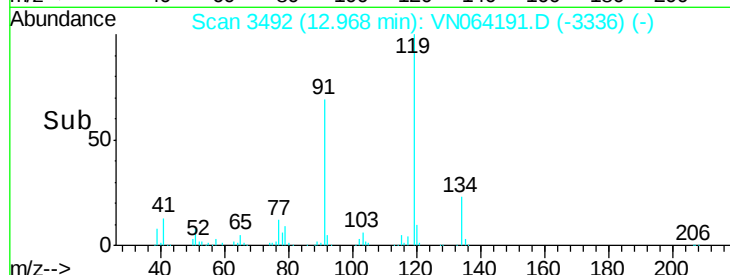
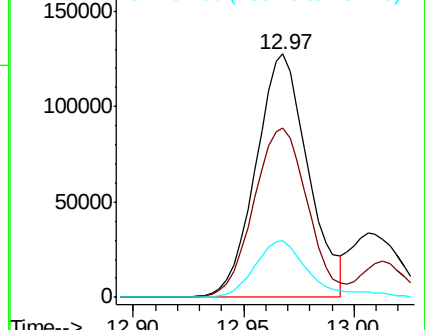
134 24.6 0.0 49.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 19.198 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN064191.D

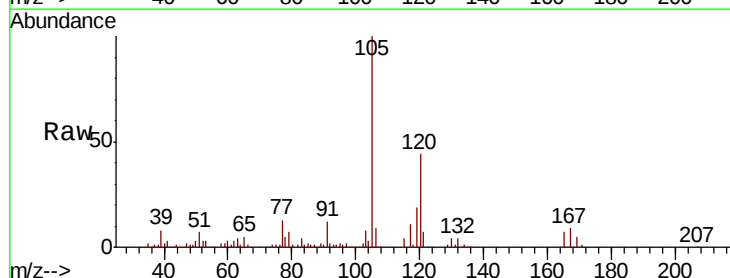
Acq: 20 Oct 2020 10:24

Tgt Ion:105 Resp: 262175

Ion Ratio Lower Upper

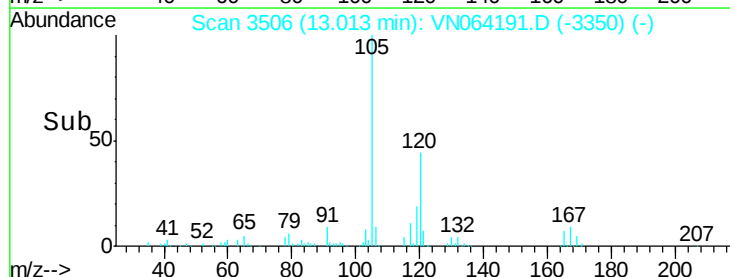
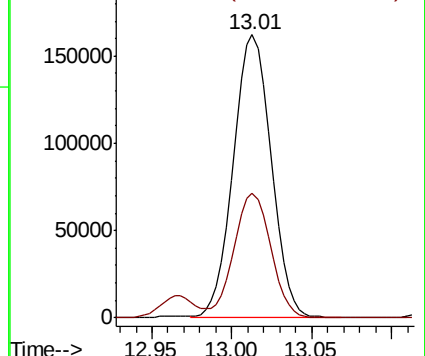
105 100

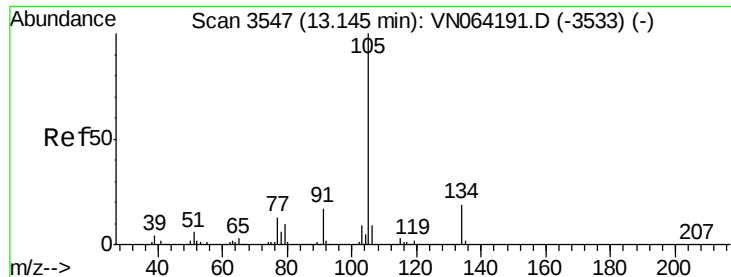
120 42.9 0.0 85.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

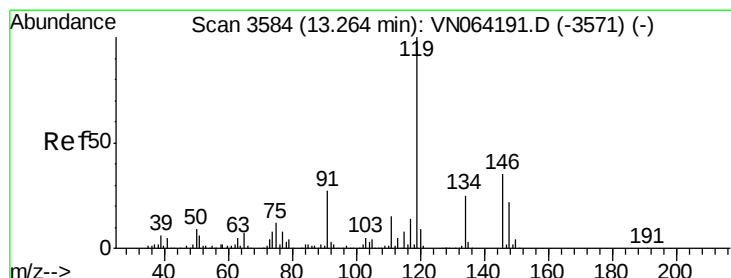
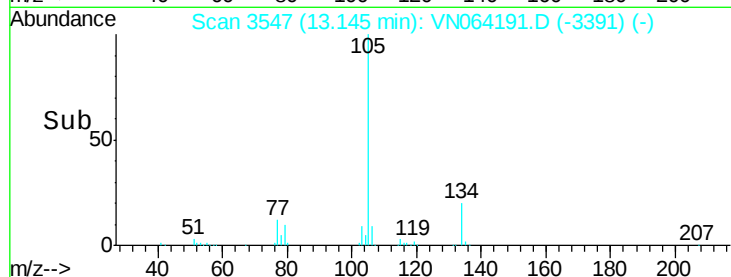
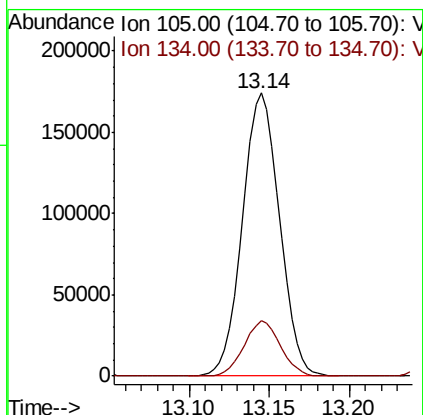
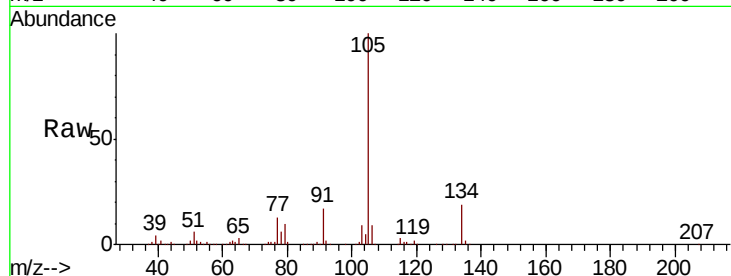




#81
 sec-Butylbenzene
 Concen: 19.128 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

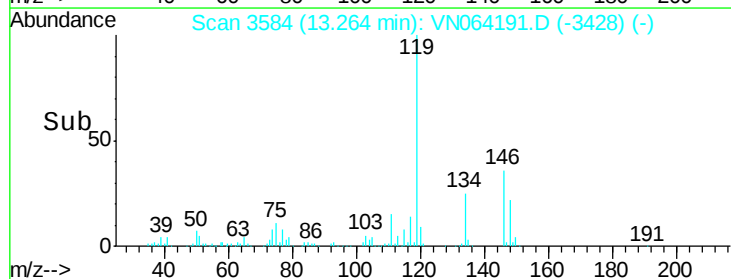
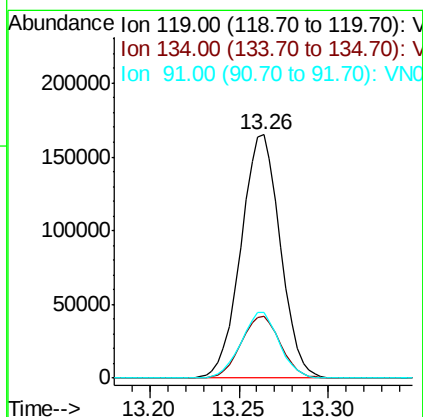
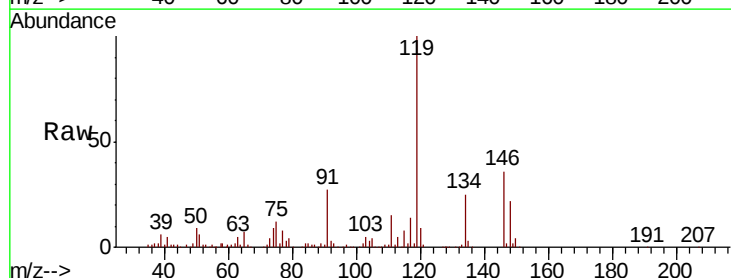
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

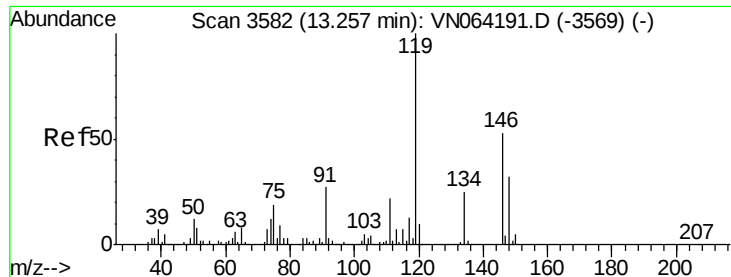
Tot Ion:105 Resp: 274822
 Ion Ratio Lower Upper
 105 100
 134 19.2 0.0 38.4



#82
 p-Isopropyltoluene
 Concen: 19.341 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Tgt Ion:119 Resp: 253420
 Ion Ratio Lower Upper
 119 100
 134 25.7 0.0 51.4
 91 26.4 0.0 52.8

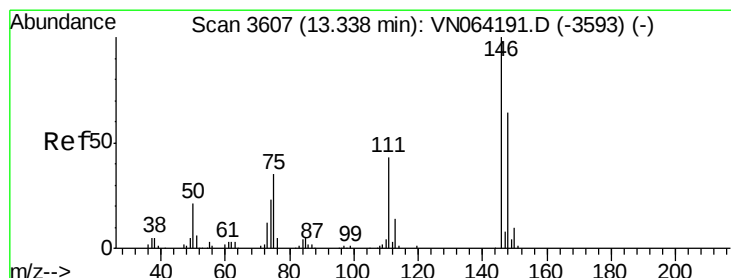
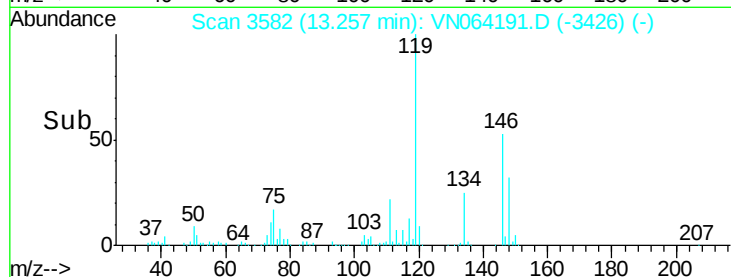
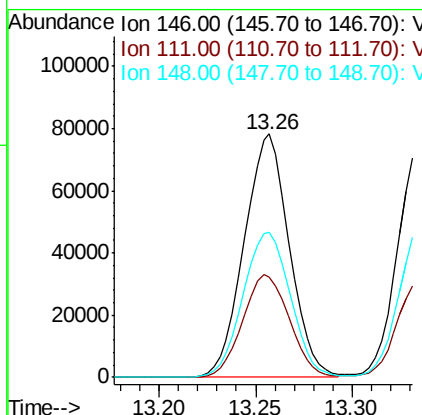
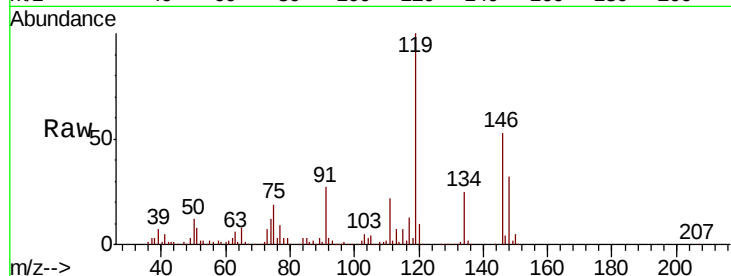




#83
 1,3-Dichlorobenzene
 Concen: 17.645 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

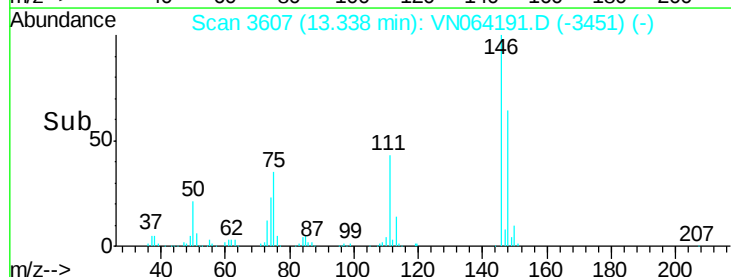
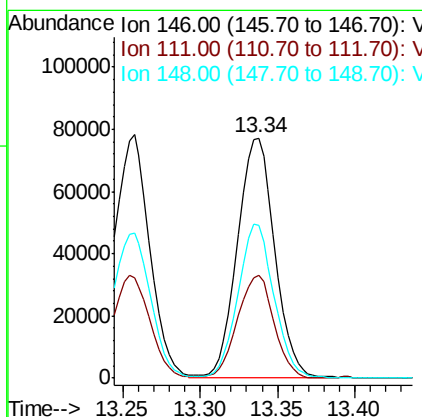
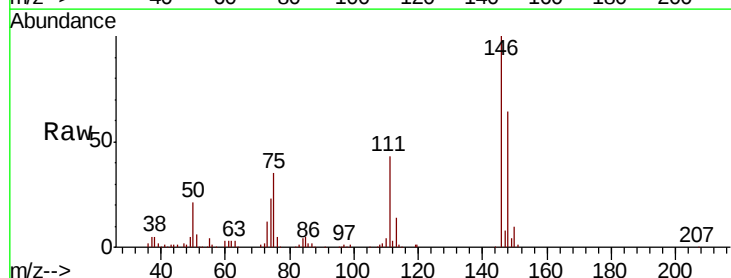
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

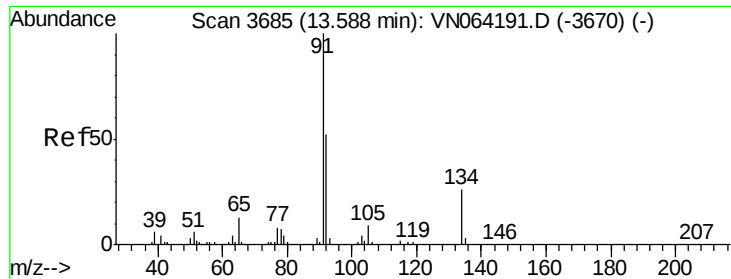
Tot Ion:146 Resp: 126743
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.8 65.4
 148 62.8 31.4 94.2



#84
 1,4-Dichlorobenzene
 Concen: 18.082 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Tgt Ion:146 Resp: 129988
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.9 62.8
 148 61.8 30.9 92.7

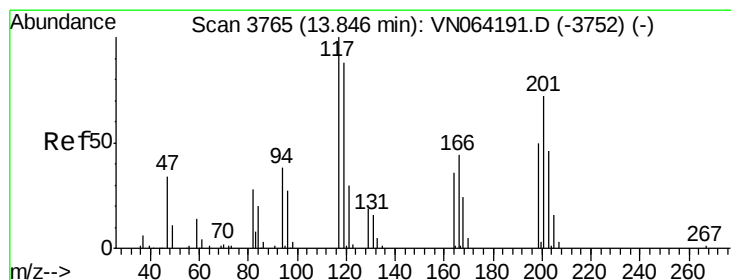
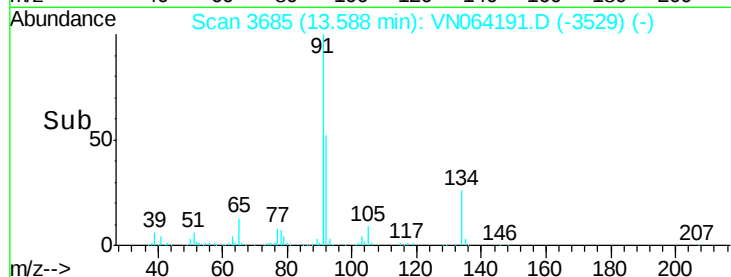
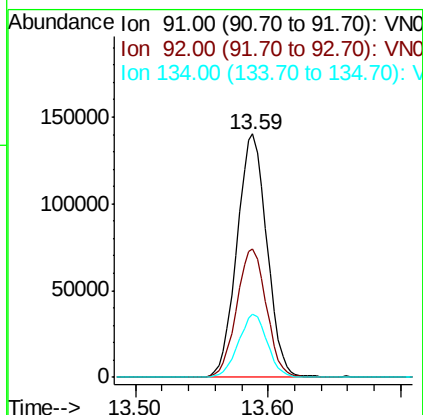
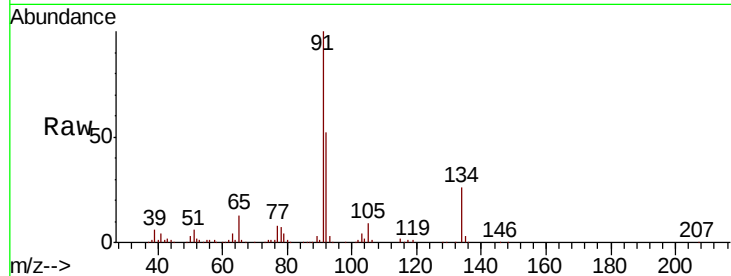




#85
n-Butylbenzene
Concen: 19.207 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

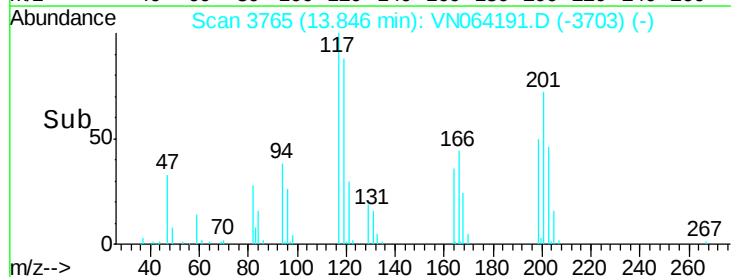
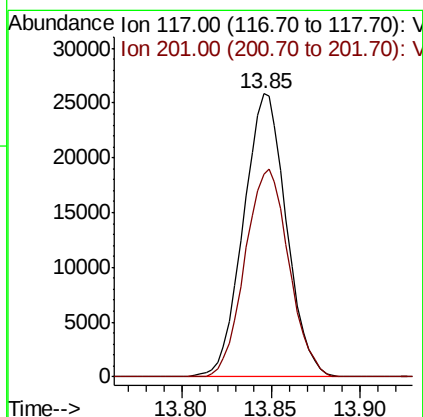
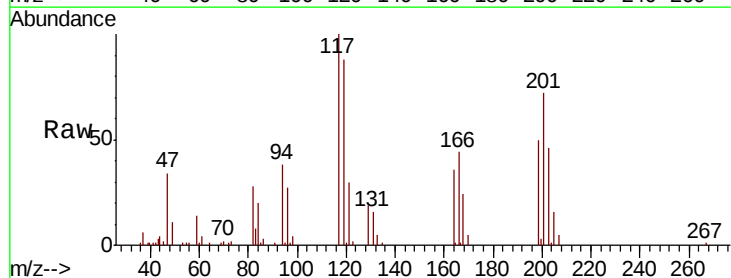
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

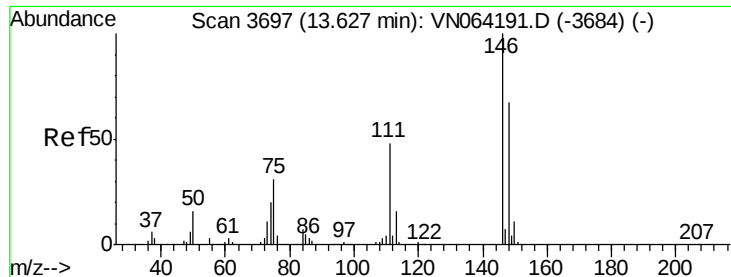
Tot Ion: 91 Resp: 219925
Ion Ratio Lower Upper
91 100
92 52.4 0.0 104.8
134 24.9 0.0 49.8



#86
Hexachloroethane
Concen: 19.292 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion: 117 Resp: 43535
Ion Ratio Lower Upper
117 100
201 74.9 37.5 112.3





#87

1,2-Dichlorobenzene

Concen: 17.440 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

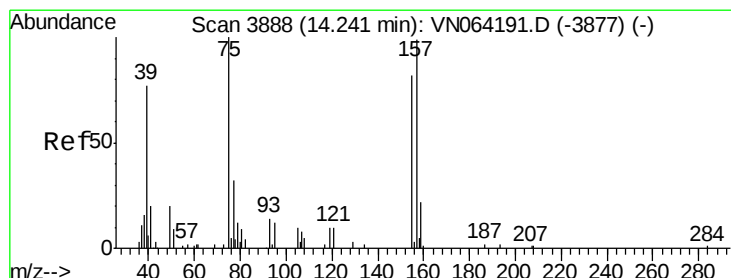
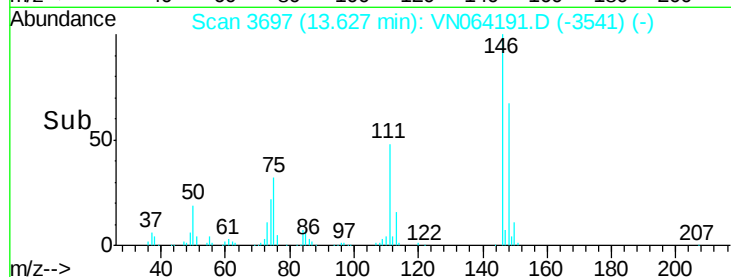
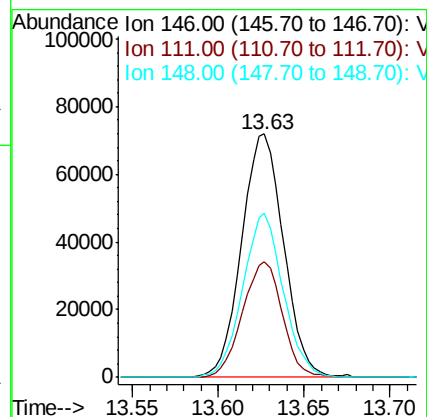
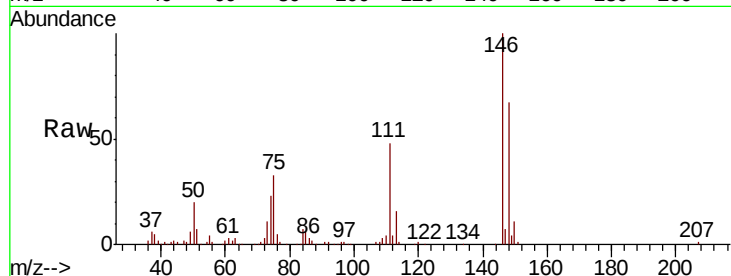
Tot Ion:146 Resp: 122053

Ion Ratio Lower Upper

146 100

111 45.2 22.6 67.8

148 65.2 32.6 97.8



#88

1,2-Dibromo-3-Chloropropane

Concen: 16.774 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN064191.D

Acq: 20 Oct 2020 10:24

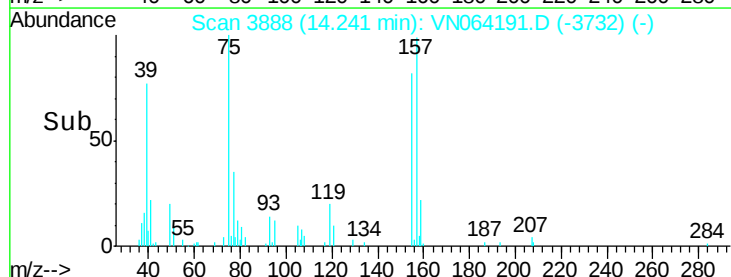
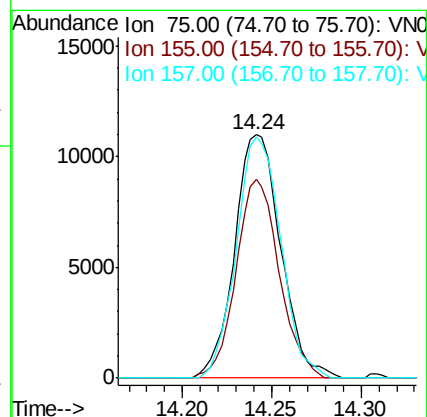
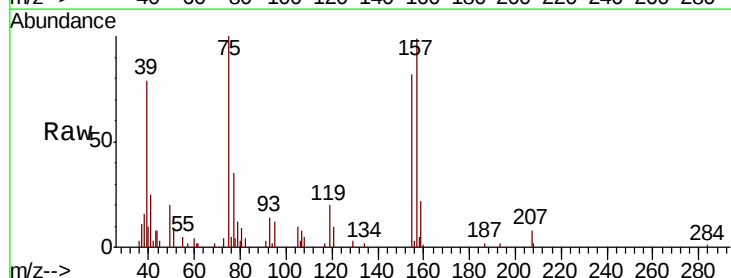
Tgt Ion: 75 Resp: 19871

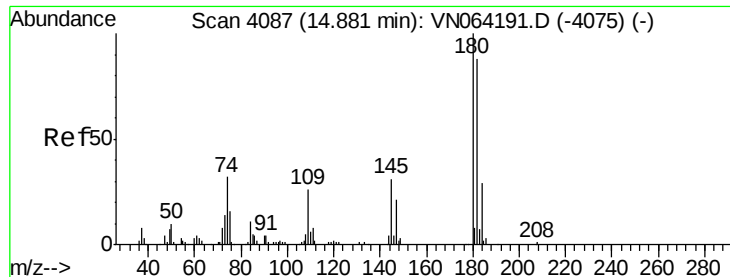
Ion Ratio Lower Upper

75 100

155 76.4 61.1 91.7

157 95.6 76.5 114.7

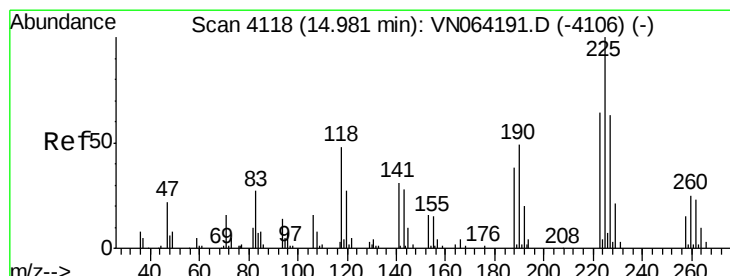
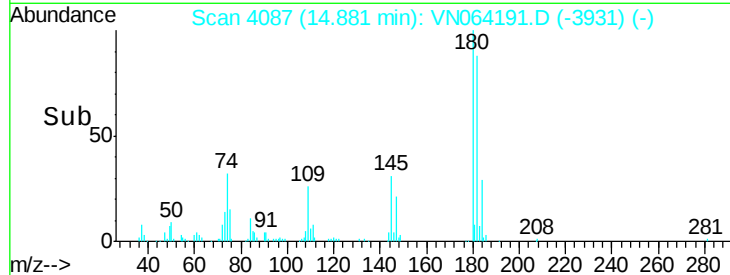
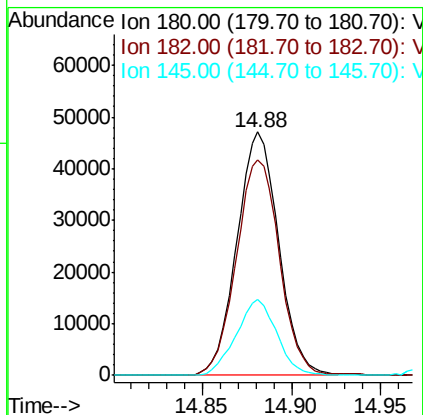
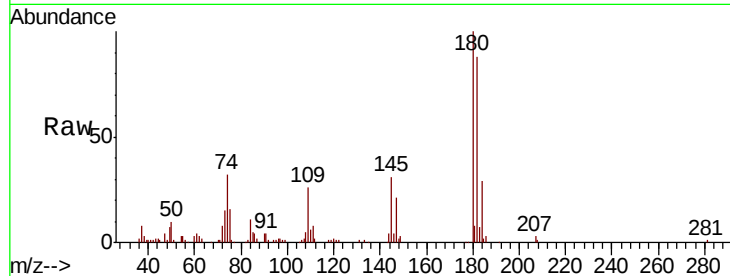




#89
 1,2,4-Trichlorobenzene
 Concen: 20.562 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

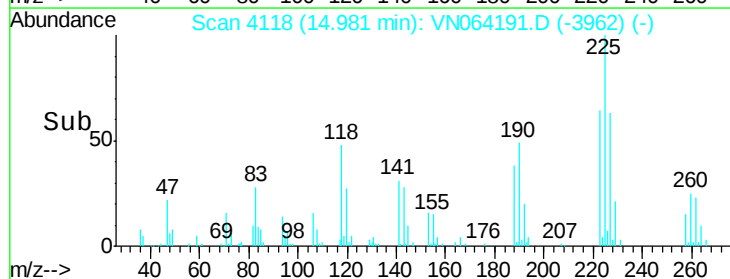
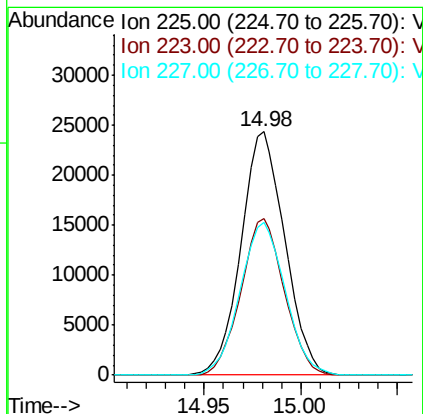
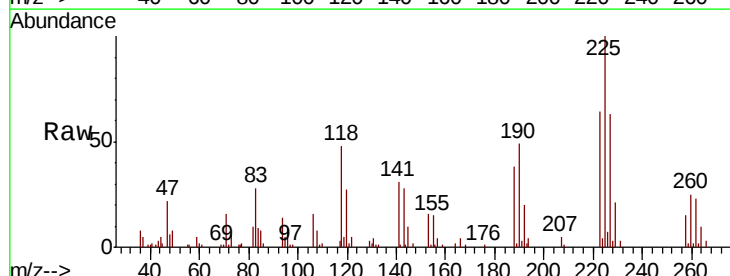
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

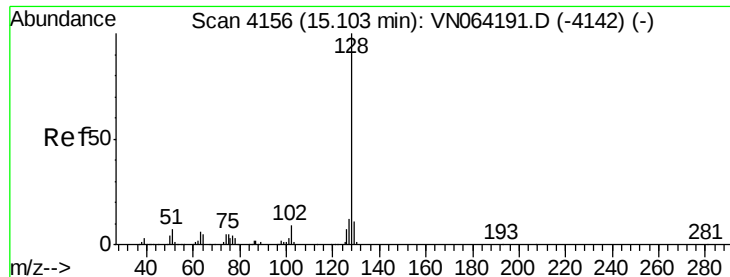
Tot Ion:180 Resp: 76806
 Ion Ratio Lower Upper
 180 100
 182 91.2 73.0 109.4
 145 30.4 24.3 36.5



#90
 Hexachlorobutadiene
 Concen: 19.861 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064191.D
 Acq: 20 Oct 2020 10:24

Tgt Ion:225 Resp: 38383
 Ion Ratio Lower Upper
 225 100
 223 63.5 0.0 127.0
 227 64.7 0.0 129.4

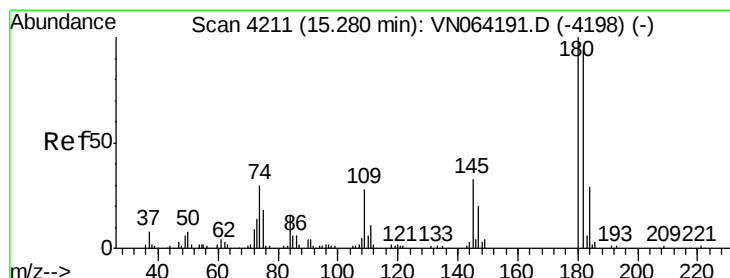
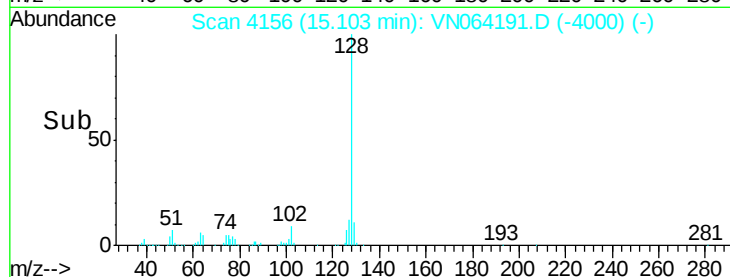
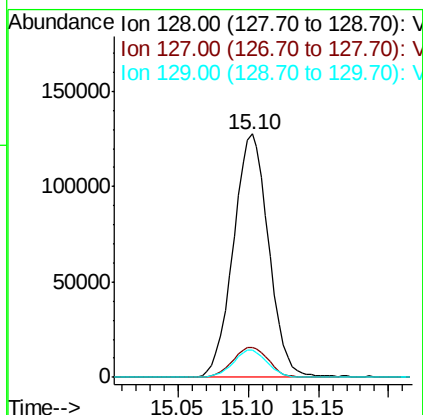
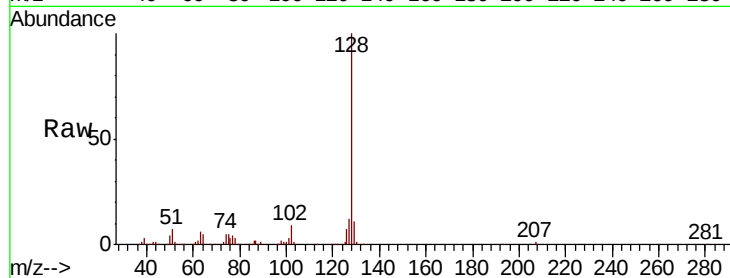




#91
Naphthalene
Concen: 19.887 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:128 Resp: 223643
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.9 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 19.957 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN064191.D
Acq: 20 Oct 2020 10:24

Tgt Ion:180 Resp: 71623
Ion Ratio Lower Upper
180 100
182 95.0 0.0 190.0
145 33.3 0.0 66.6

