

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064192.D
 Acq On : 20 Oct 2020 10:48
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Oct 20 11:11:31 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	7.15	128	53705	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	299509	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	273775	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	133420	28.01	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.37%
60) 4-Bromofluorobenzene	12.38	95	142179	29.79	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.30%
63) Toluene-d8	10.06	98	371712	29.93	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	200811	57.237 ug/l	93
3) Chloromethane	2.04	50	192383	52.821 ug/l	100
4) Vinyl Chloride	2.16	62	193242	53.333 ug/l	98
5) Bromomethane	2.53	94	111979	48.775 ug/l	97
6) Chloroethane	2.67	64	110647	49.354 ug/l	98
7) Trichlorofluoromethane	2.98	101	295088	50.871 ug/l	99
8) Diethyl Ether	3.38	74	102214	54.427 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	159950	53.525 ug/l	98
10) 1,1-Dichloroethene	3.70	96	154213	54.585 ug/l	98
11) Methyl Iodide	3.91	142	228520	62.303 ug/l	97
12) Methyl Acetate	4.28	43	165442	49.331 ug/l	97
13) Acrolein	3.57	56	83477	245.246 ug/l #	1
14) Acrylonitrile	4.93	53	328702	237.556 ug/l	97
15) Acetone	3.78	58	90505	231.657 ug/l	99
16) Carbon Disulfide	4.01	76	438174	52.618 ug/l	100
17) Allyl chloride	4.28	41	304141	58.719 ug/l	96
18) Methylene Chloride	4.50	84	171996	51.909 ug/l	94
19) trans-1,2-Dichloroethene	4.99	96	164941	51.779 ug/l	94
20) Diisopropyl ether	5.90	45	530065	50.938 ug/l	94
21) 1,1-Dichloroethane	5.80	63	322404	51.382 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	190664	52.439 ug/l	98
23) tert-Butyl Alcohol	4.73	59	152254	256.507 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	507374	53.763 ug/l	100
25) Chloroform	7.33	83	337275	51.335 ug/l	98
26) Cyclohexane	7.61	56	254010	54.824 ug/l #	95
29) 1,1-Dichloropropene	7.75	75	251908	50.235 ug/l	99
30) 2-Butanone	6.78	43	520990	219.221 ug/l	98
31) 2,2-Dichloropropane	6.78	77	317562	52.593 ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	321350	50.548 ug/l	98
33) Carbon Tetrachloride	7.73	117	295275	52.476 ug/l	98
34) Benzene	8.00	78	706934	50.073 ug/l #	92
35) Methacrylonitrile	7.12	41	127349	54.537 ug/l	92
36) 1,2-Dichloroethane	8.08	62	288850	47.087 ug/l	99
37) Trichloroethene	8.80	130	192294	51.190 ug/l	99
38) Methylcyclohexane	9.05	83	240744	55.633 ug/l	99
39) 1,2-Dichloropropane	9.08	63	187736	49.178 ug/l	97
40) Dibromomethane	9.17	93	128072	48.218 ug/l	98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	283637	50.613	ug/l	99
42) Vinyl Acetate	5.84	43	2488491	246.189	ug/l	100
43) Ethyl Acetate	6.88	43	226819	44.052	ug/l	98
44) Isopropyl Acetate	8.13	43	426954	49.140	ug/l #	90
45) 1,4-Dioxane	9.16	88	50842	935.295	ug/l	92
46) Methyl methacrylate	9.16	41	209967	48.977	ug/l	99
47) n-amyl Acetate	12.04	43	384226	49.631	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	319550	52.417	ug/l	95
49) cis-1,3-Dichloropropene	9.81	75	328099	51.788	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	173823	48.466	ug/l	98
51) Ethyl methacrylate	10.40	69	271826	51.435	ug/l	99
52) 1,3-Dichloropropane	10.68	76	296363	48.232	ug/l	99
53) Dibromochloromethane	10.87	129	221229	53.079	ug/l	97
54) 1,2-Dibromoethane	10.97	107	184193	49.059	ug/l	94
55) 2-Chloroethyl vinyl ether	9.66	63	708409	249.728	ug/l	100
56) Bromoform	12.10	173	154884	53.047	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	1164479	233.988	ug/l	99
59) 2-Hexanone	10.72	43	855982	230.089	ug/l	99
61) Tetrachloroethene	10.60	164	181283	53.953	ug/l	97
62) Toluene	10.12	91	783258	51.646	ug/l	98
64) Chlorobenzene	11.41	112	479572	51.806	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	193288	53.569	ug/l	98
66) Ethyl Benzene	11.48	91	903858	53.549	ug/l	99
67) m/p-Xylenes	11.60	106	660322	105.801	ug/l	100
68) o-Xylene	11.92	106	323514	54.181	ug/l	95
69) Styrene	11.94	104	548670	53.820	ug/l	99
70) Isopropylbenzene	12.22	105	856131	53.822	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	236889	48.527	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	352096	72.221	ug/l	48
73) Bromobenzene	12.50	156	205943	51.123	ug/l	97
74) n-propylbenzene	12.57	91	973060	52.576	ug/l	99
75) 2-Chlorotoluene	12.65	91	593430	52.517	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	732689	54.561	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	92639	50.911	ug/l	97
78) 4-Chlorotoluene	12.75	91	626740	52.618	ug/l	99
79) tert-butylbenzene	12.97	119	598148	55.197	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	723598	53.591	ug/l	98
81) sec-Butylbenzene	13.14	105	773318	54.439	ug/l	99
82) p-Isopropyltoluene	13.26	119	711459	54.919	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	366876	51.658	ug/l	98
84) 1,4-Dichlorobenzene	13.33	146	371438	52.260	ug/l	98
85) n-Butylbenzene	13.59	91	635884	56.169	ug/l	99
86) Hexachloroethane	13.85	117	123412	55.312	ug/l	95
87) 1,2-Dichlorobenzene	13.63	146	357737	51.700	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	58515	49.958	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	219670	59.480	ug/l	97
90) Hexachlorobutadiene	14.98	225	108523	56.795	ug/l	98
91) Naphthalene	15.10	128	667257	60.012	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	210220	59.245	ug/l	100

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 20 11:03:39 2020
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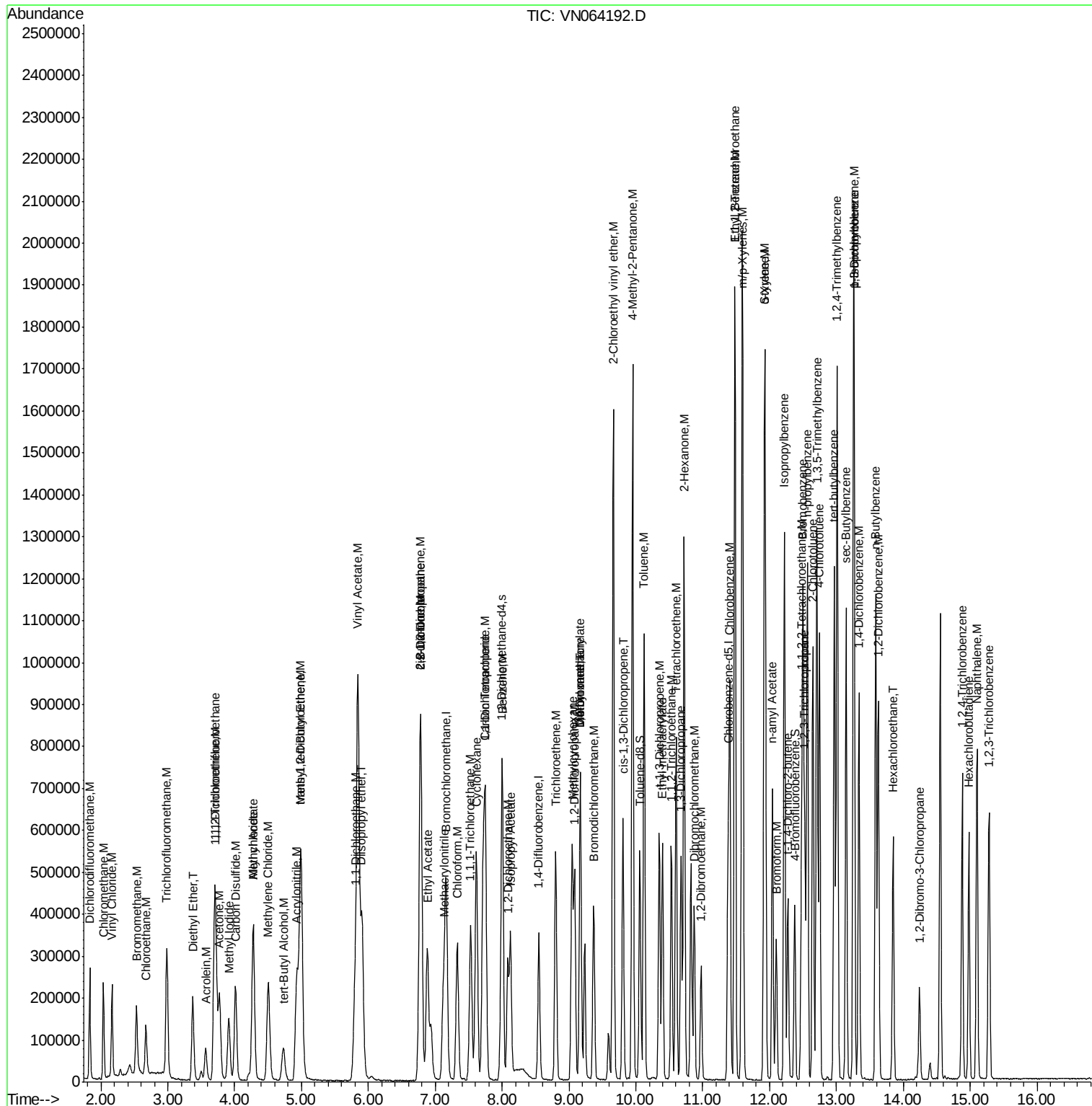
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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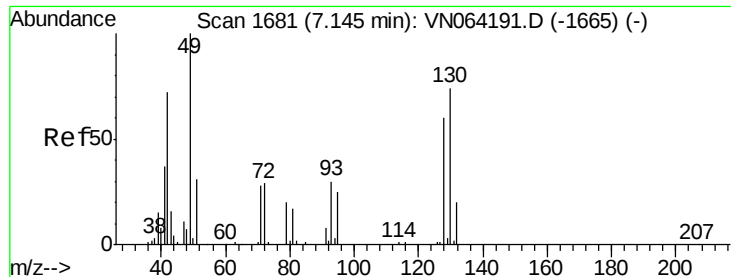
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102020\
Data File : VN064192.D
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Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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ClientSampleId :
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Quant Time: Oct 20 11:11:31 2020
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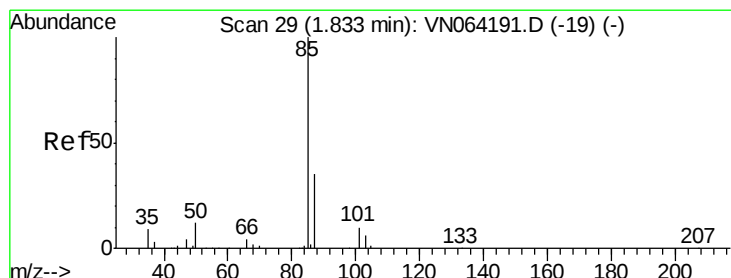
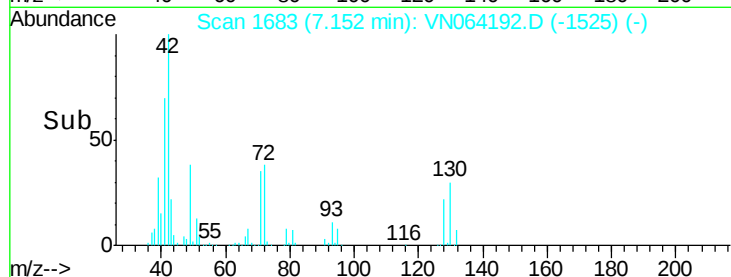
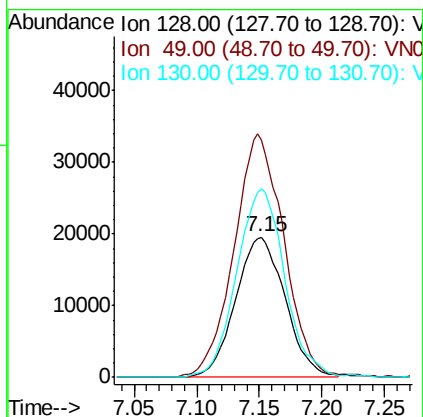
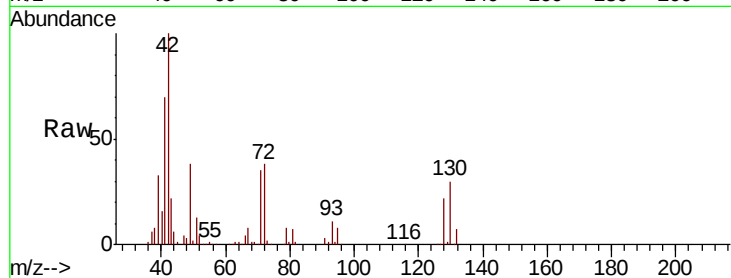




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.01 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

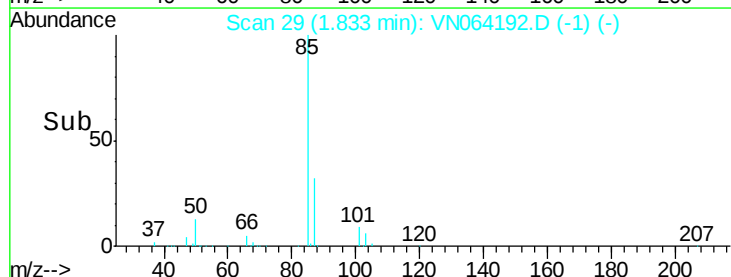
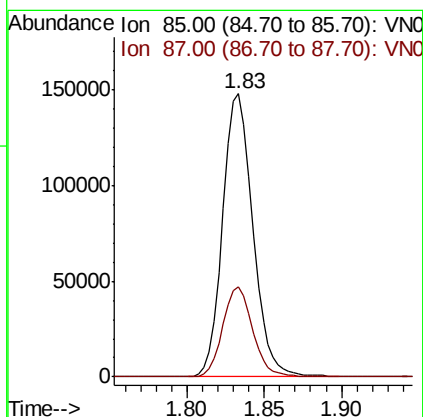
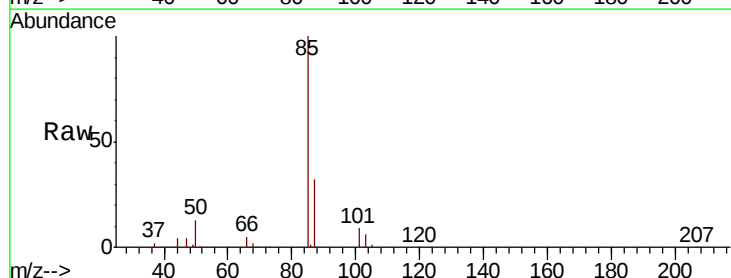
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

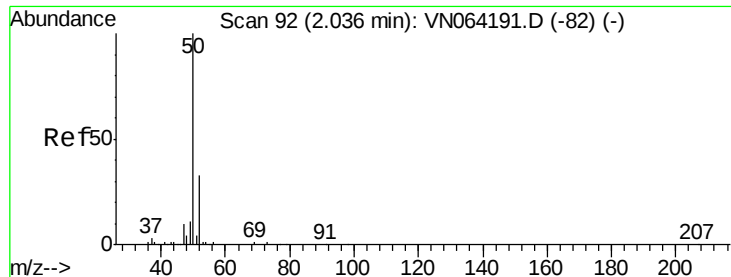
Tot Ion:128 Resp: 53705
 Ion Ratio Lower Upper
 128 100
 49 175.0 0.0 433.3
 130 130.2 0.0 322.5



#2
 Dichlorodifluoromethane
 Concen: 57.237 ug/l
 RT: 1.83 min Scan# 29
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Tgt Ion: 85 Resp: 200811
 Ion Ratio Lower Upper
 85 100
 87 31.7 17.8 53.3





#3

Chloromethane

Concen: 52.821 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

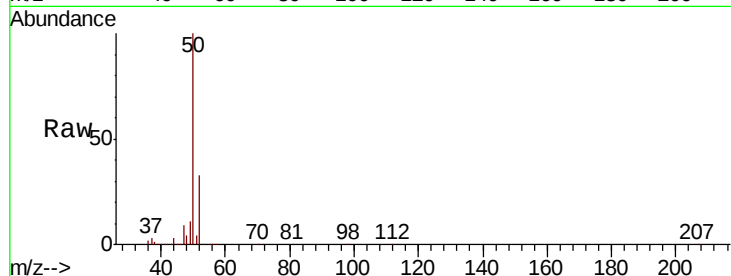
VSTDIC050

Tot Ion: 50 Resp: 192383

Ion Ratio Lower Upper

50 100

52 33.1 26.6 40.0



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2.04

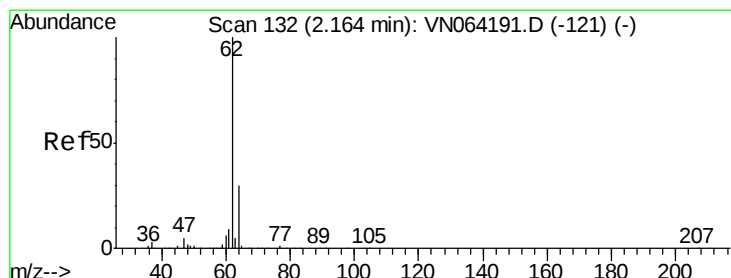
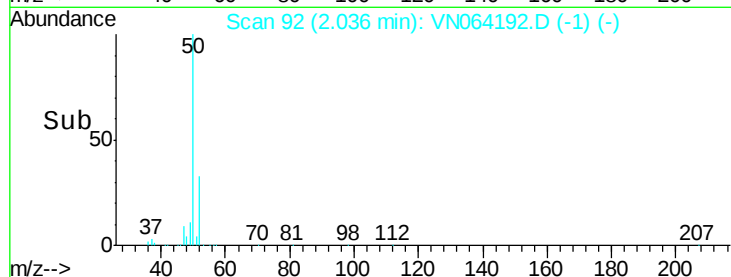
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 53.333 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064192.D

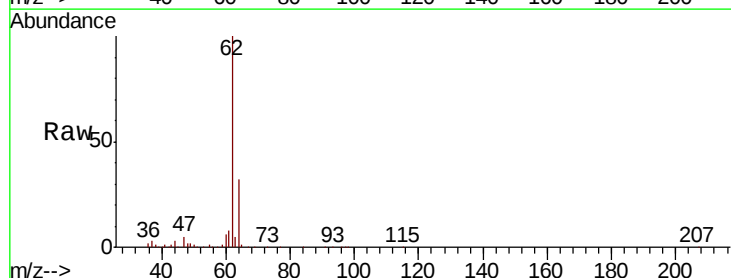
Acq: 20 Oct 2020 10:48

Tgt Ion: 62 Resp: 193242

Ion Ratio Lower Upper

62 100

64 31.8 24.4 36.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

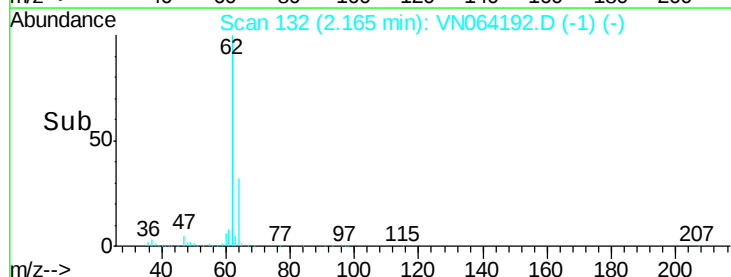
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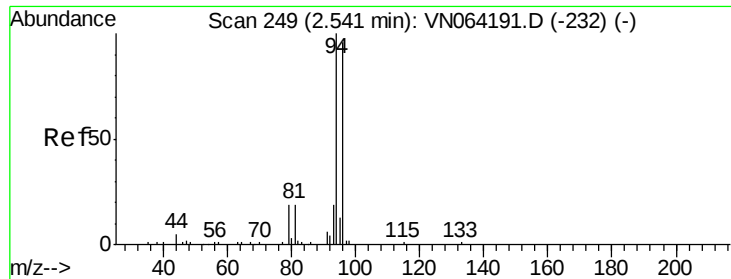
100000

50000

0

Time-->





#5

Bromomethane

Concen: 48.775 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

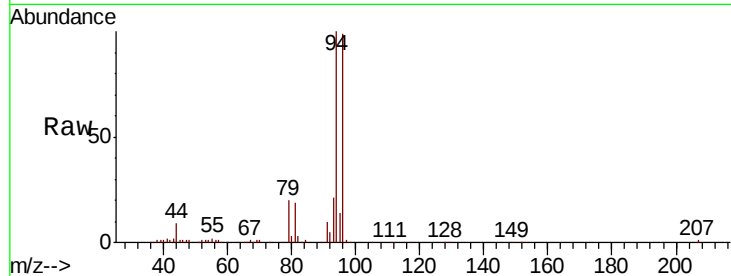
VSTDIC050

Tot Ion: 94 Resp: 111979

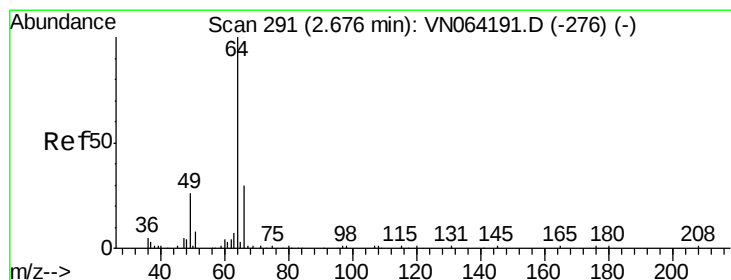
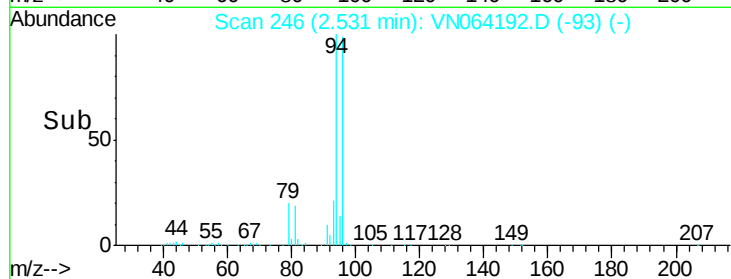
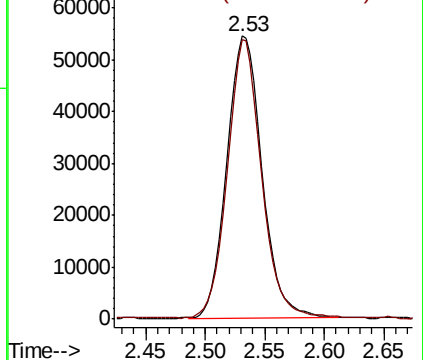
Ion Ratio Lower Upper

94 100

96 98.4 76.6 115.0



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



#6

Chloroethane

Concen: 49.354 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN064192.D

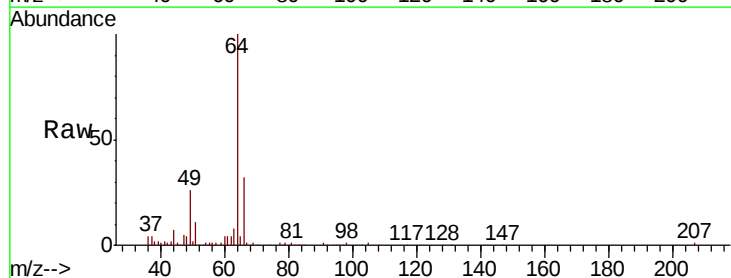
Acq: 20 Oct 2020 10:48

Tgt Ion: 64 Resp: 110647

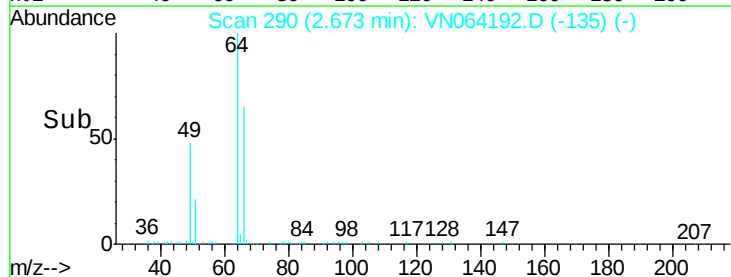
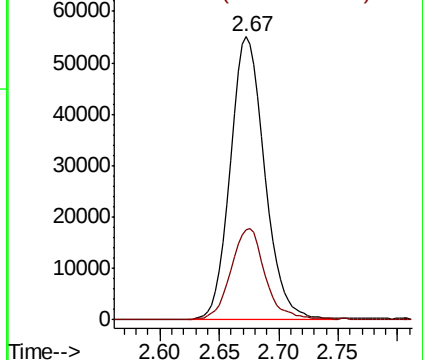
Ion Ratio Lower Upper

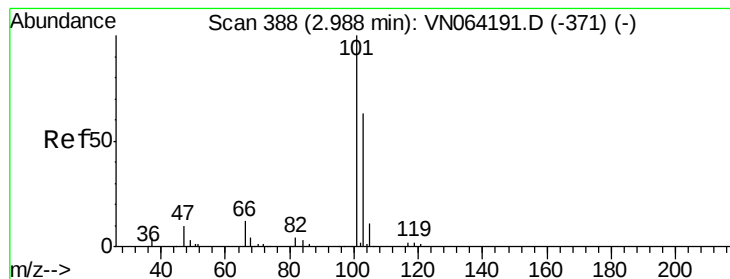
64 100

66 31.7 24.3 36.5



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



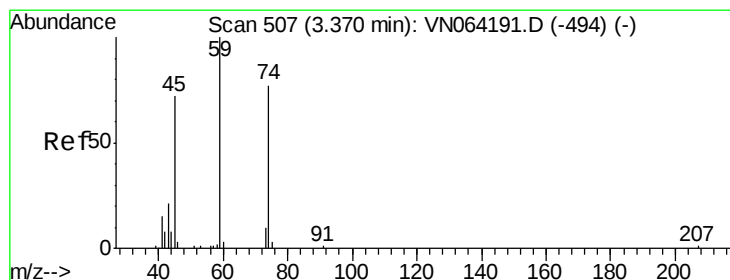
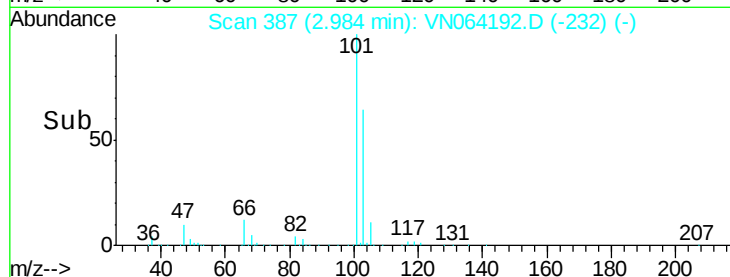
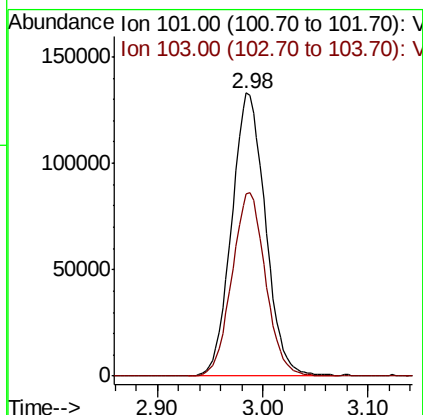
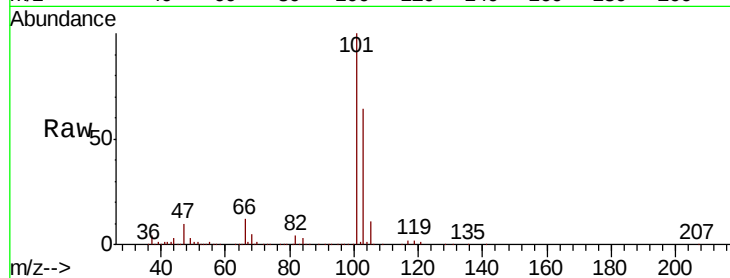


#7

Trichlorofluoromethane
 Concen: 50.871 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Instrument :
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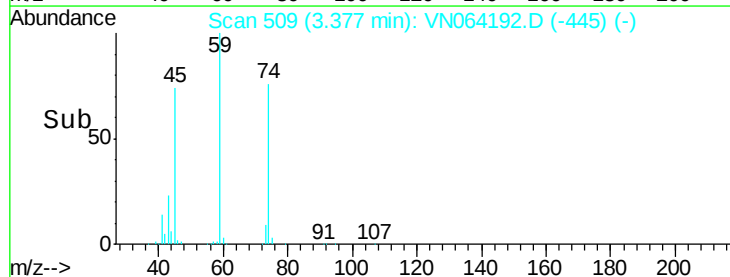
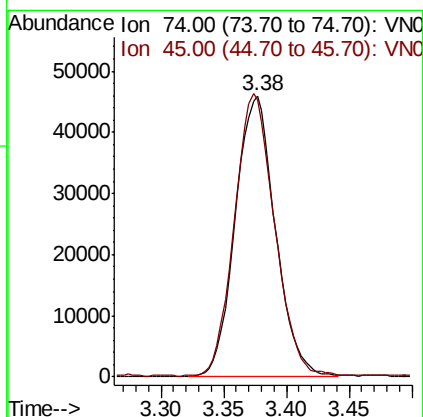
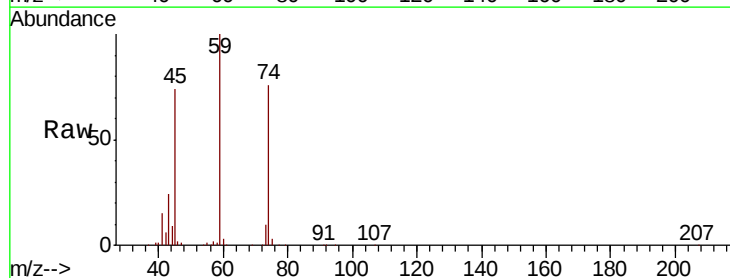
Tot Ion:101 Resp: 295088
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.7 76.1

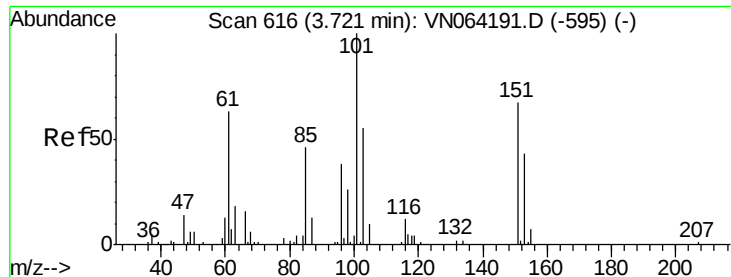


#8

Diethyl Ether
 Concen: 54.427 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Tgt Ion: 74 Resp: 102214
 Ion Ratio Lower Upper
 74 100
 45 101.4 19.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.525 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

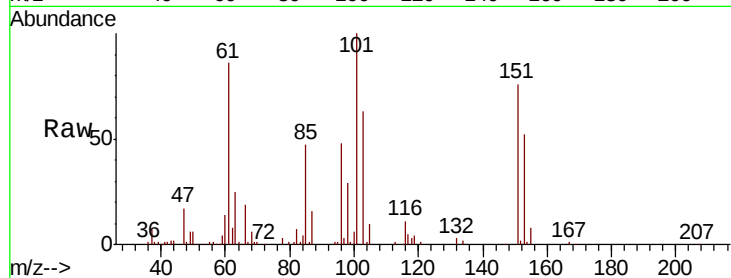
Tot Ion:101 Resp: 159950

Ion Ratio Lower Upper

101 100

85 45.7 0.0 94.0

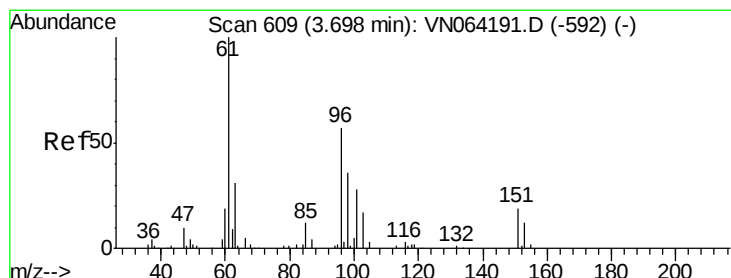
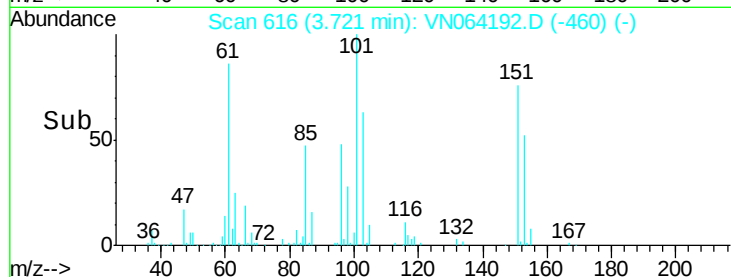
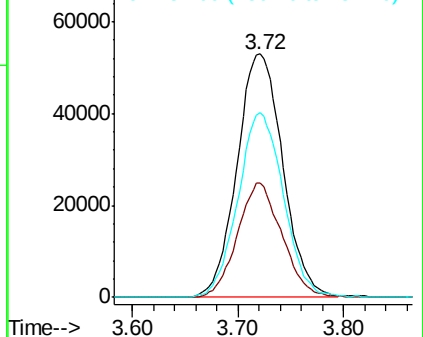
151 75.2 0.0 146.6



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: 54.585 ug/l

RT: 3.70 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

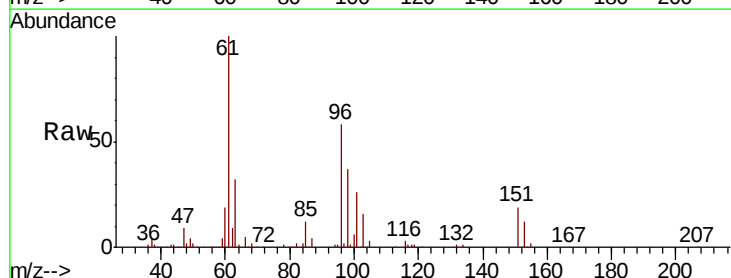
Tgt Ion: 96 Resp: 154213

Ion Ratio Lower Upper

96 100

61 172.6 141.0 211.4

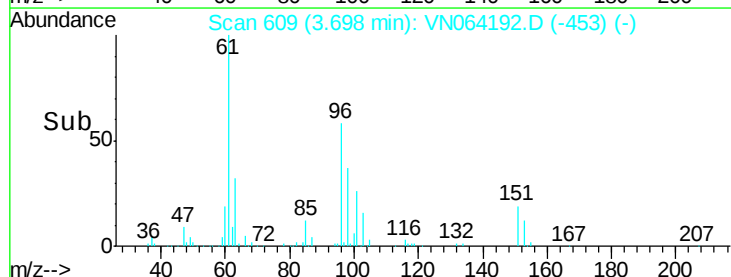
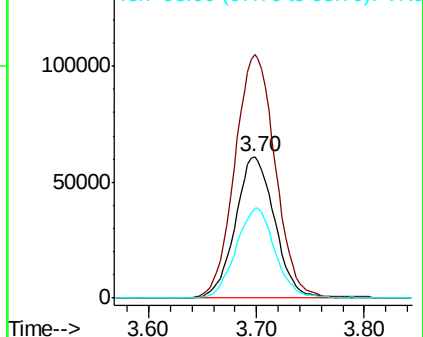
98 63.4 51.4 77.2

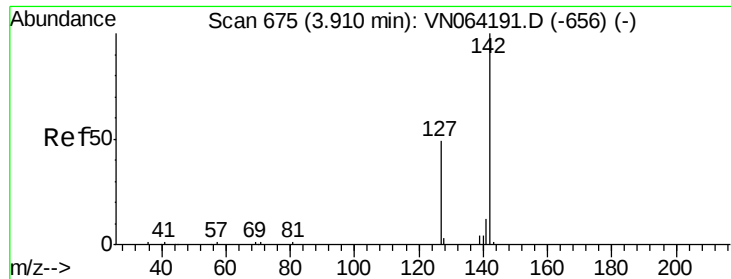


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

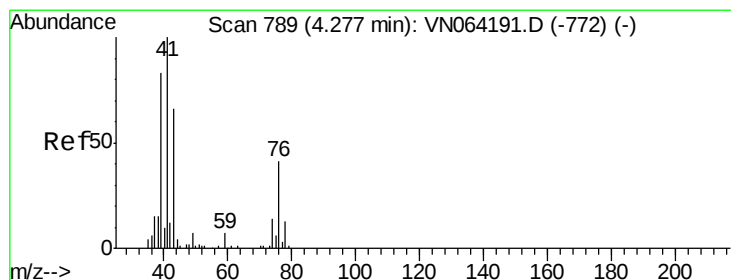
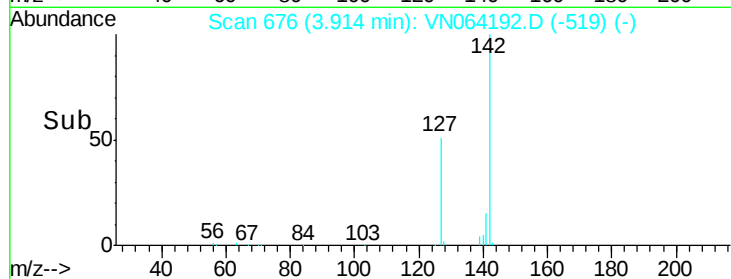
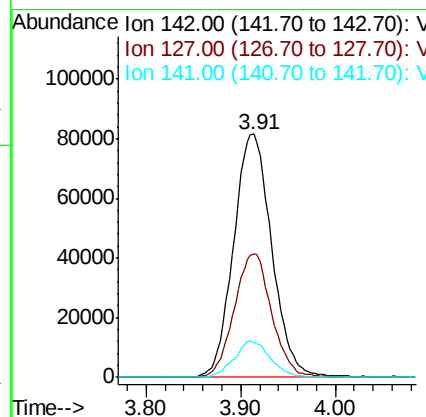
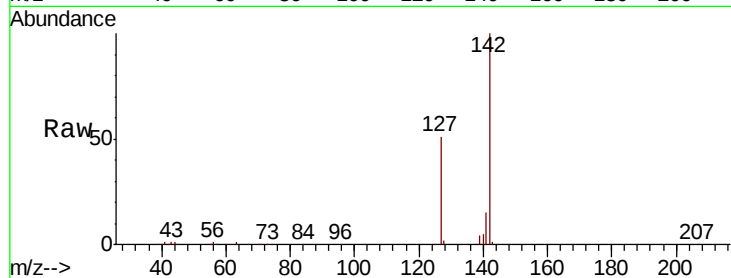




#11
Methvl Iodide
Concen: 62.303 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

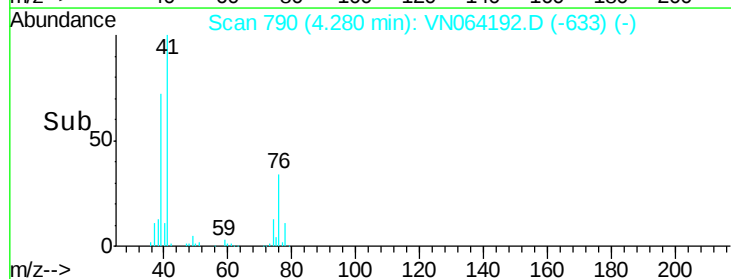
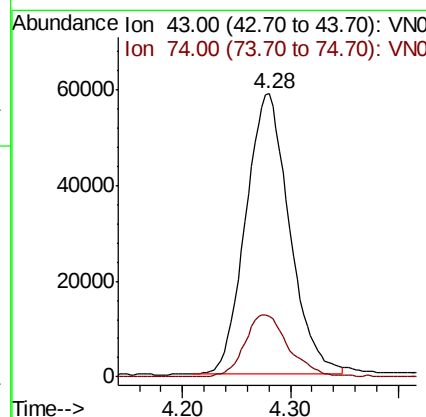
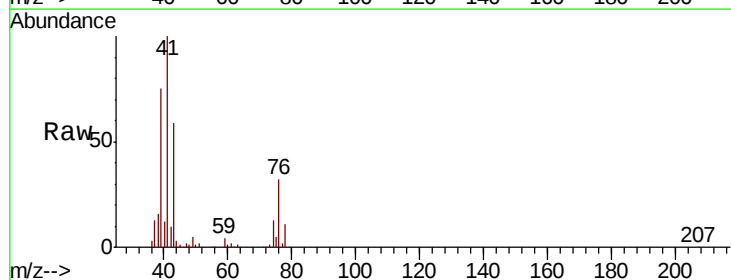
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

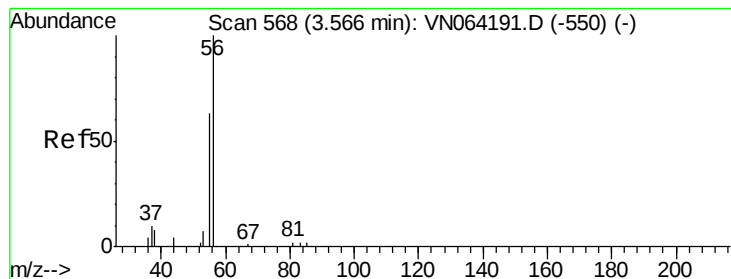
Tot Ion:142 Resp: 228520
Ion Ratio Lower Upper
142 100
127 50.8 24.5 73.5
141 14.6 6.0 18.1



#12
Methyl Acetate
Concen: 49.331 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion: 43 Resp: 165442
Ion Ratio Lower Upper
43 100
74 21.6 16.2 24.2





#13

Acrolein

Concen: 245.246 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

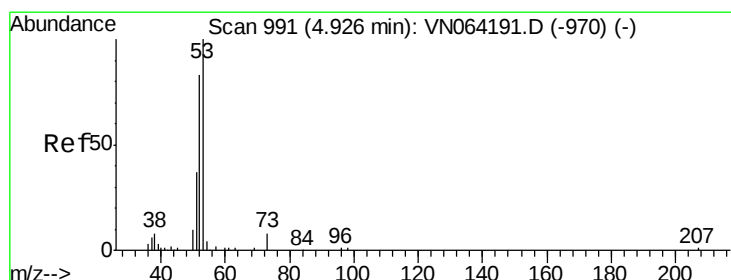
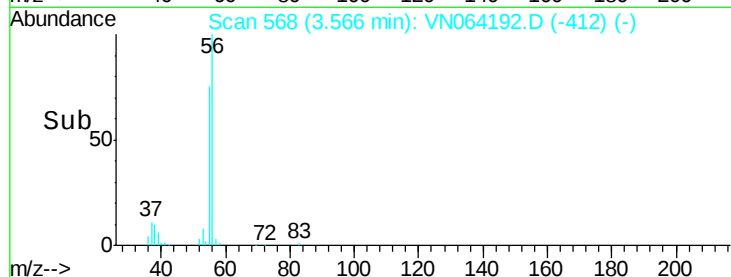
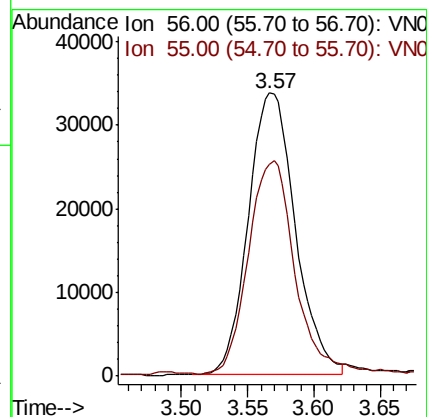
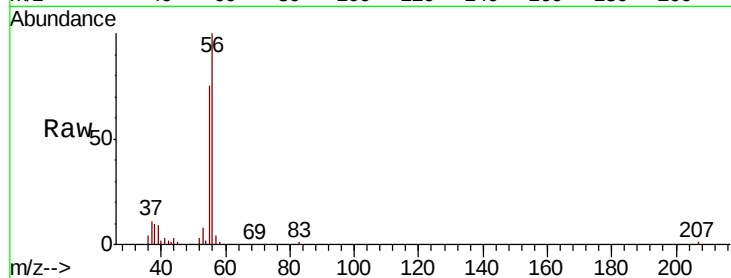
VSTDIC050

Tot Ion: 56 Resp: 83477

Ion Ratio Lower Upper

56 100

55 74.7 0.5 0.7#



#14

Acrylonitrile

Concen: 237.556 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

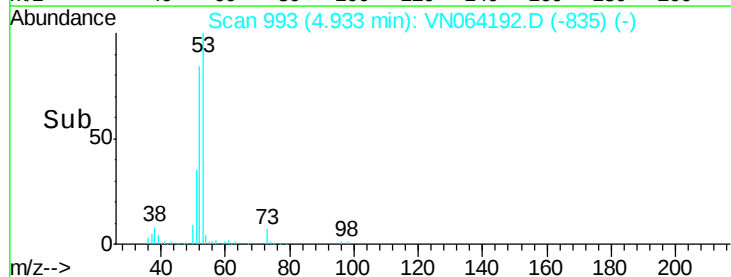
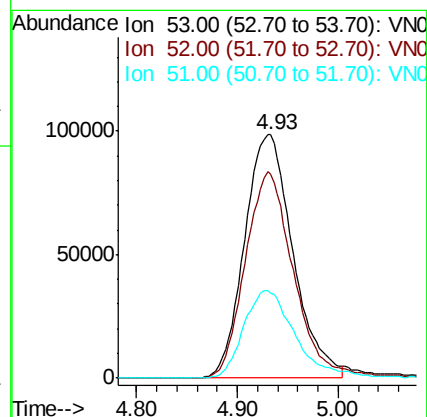
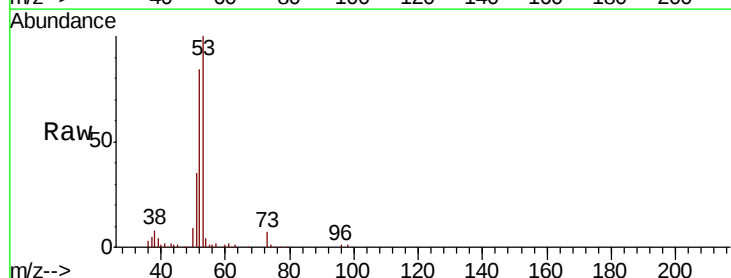
Tgt Ion: 53 Resp: 328702

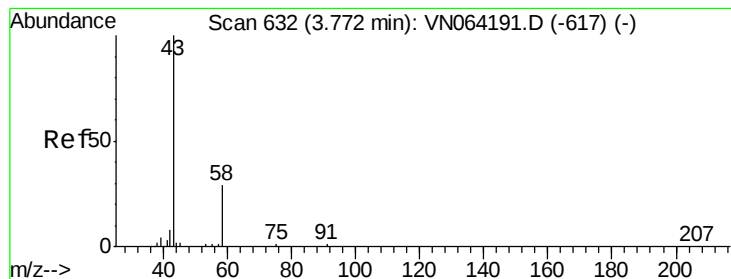
Ion Ratio Lower Upper

53 100

52 84.7 41.3 123.9

51 38.2 18.1 54.1





#15

Acetone

Concen: 231.657 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

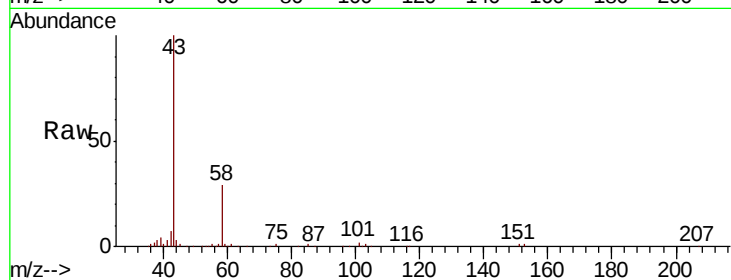
VSTDIC050

Tot Ion: 58 Resp: 90505

Ion Ratio Lower Upper

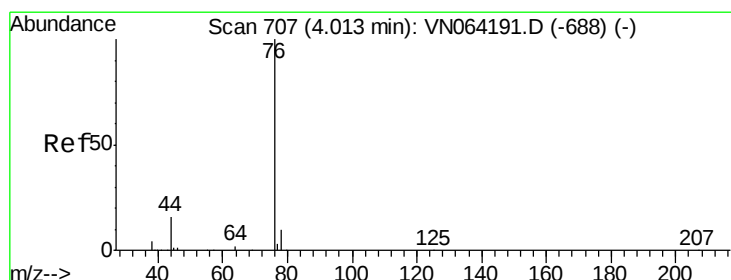
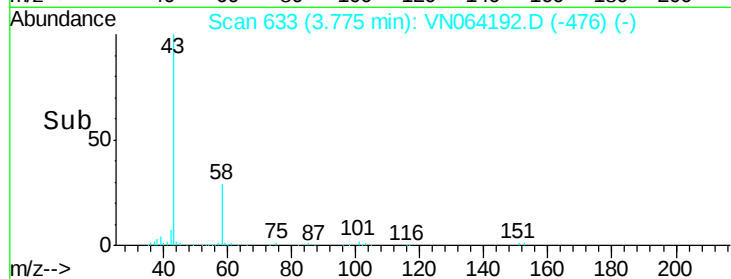
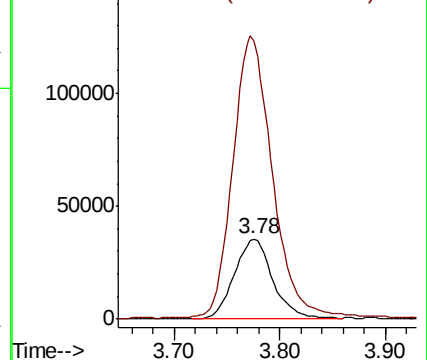
58 100

43 343.2 272.1 408.1



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 52.618 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064192.D

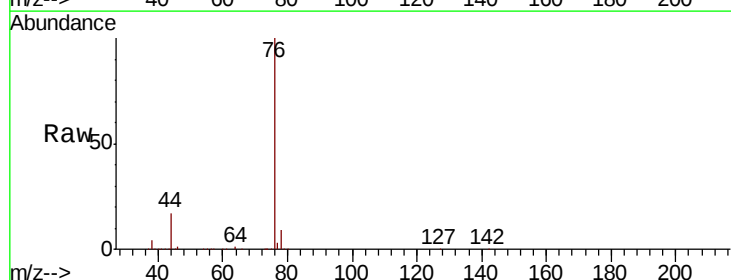
Acq: 20 Oct 2020 10:48

Tgt Ion: 76 Resp: 438174

Ion Ratio Lower Upper

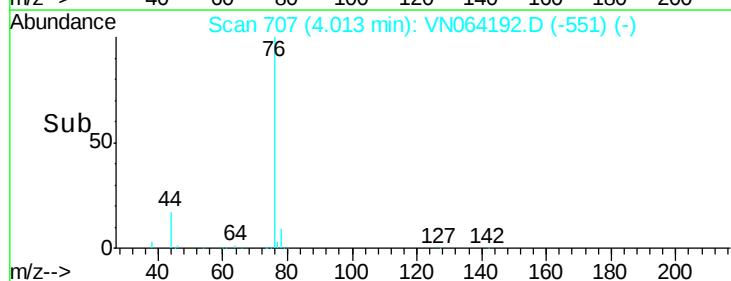
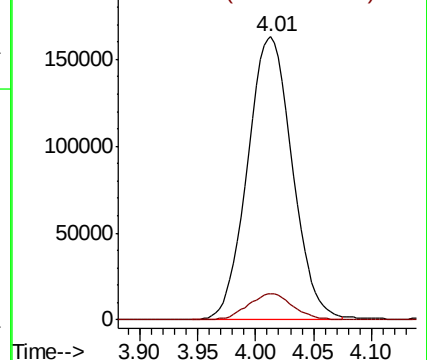
76 100

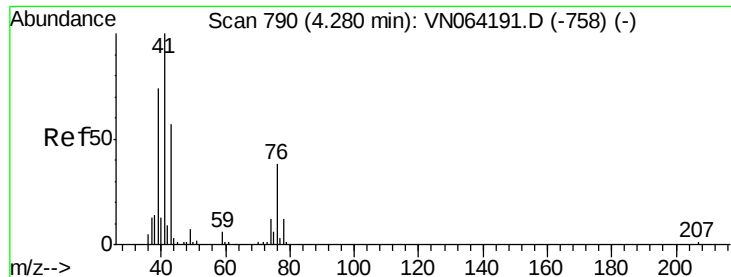
78 9.4 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

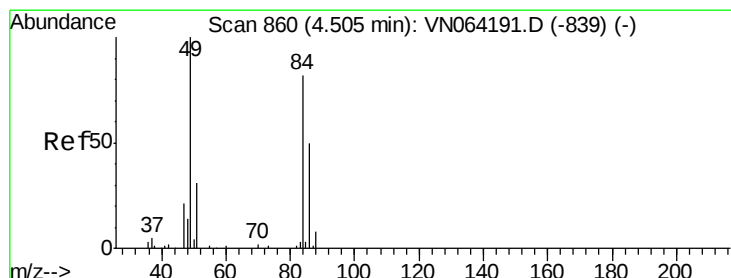
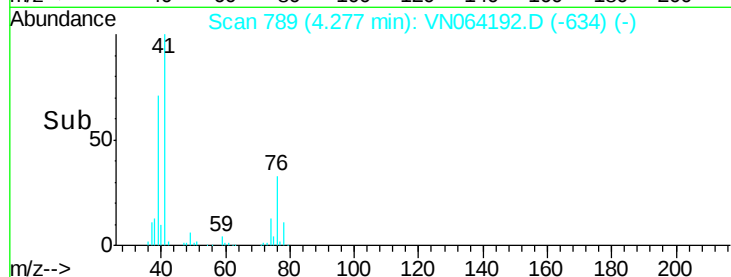
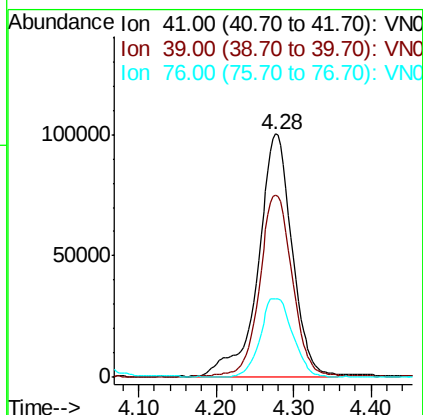
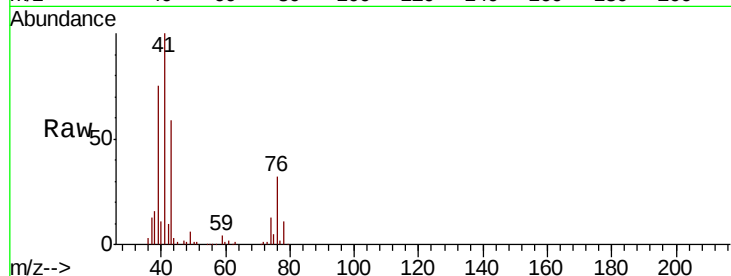




#17
Allvl chloride
Concen: 58.719 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

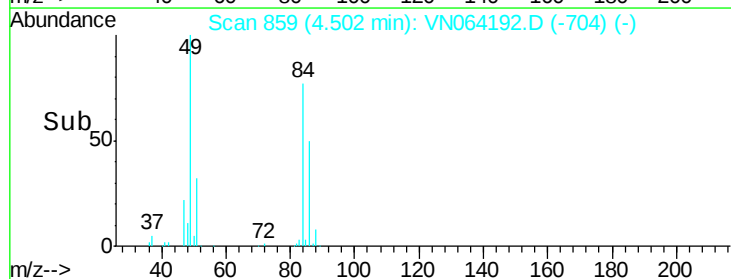
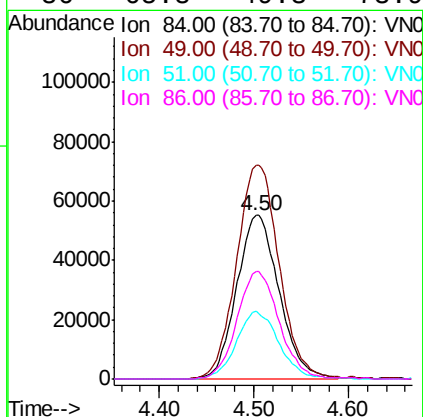
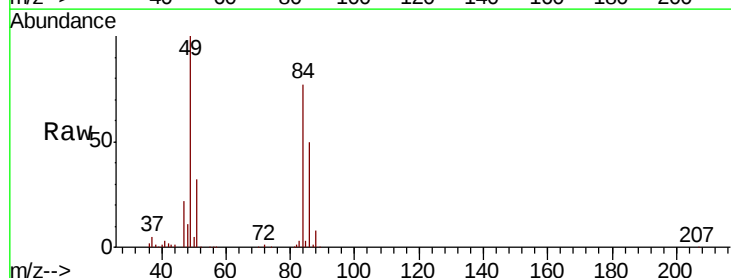
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

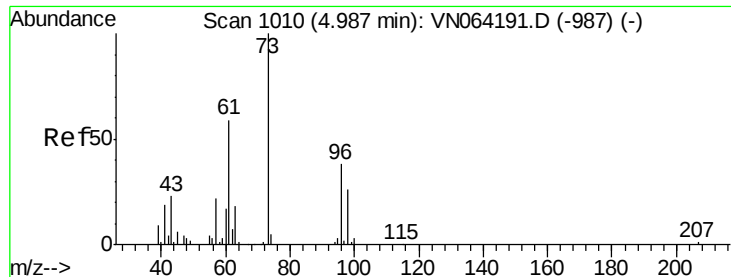
Tot Ion: 41 Resp: 304141
Ion Ratio Lower Upper
41 100
39 74.5 36.8 110.4
76 32.1 18.8 56.4



#18
Methylene Chloride
Concen: 51.909 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion: 84 Resp: 171996
Ion Ratio Lower Upper
84 100
49 130.1 97.6 146.4
51 41.1 31.1 46.7
86 65.8 49.3 73.9

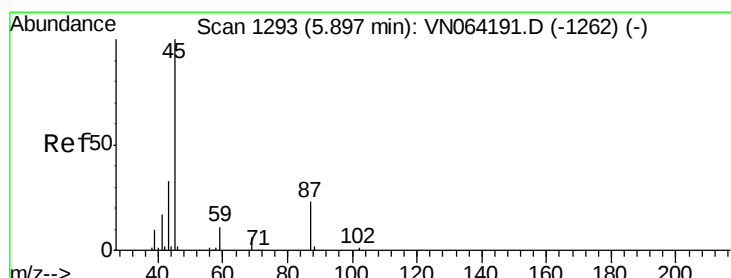
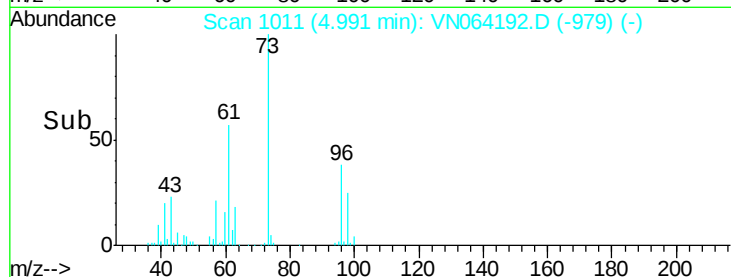
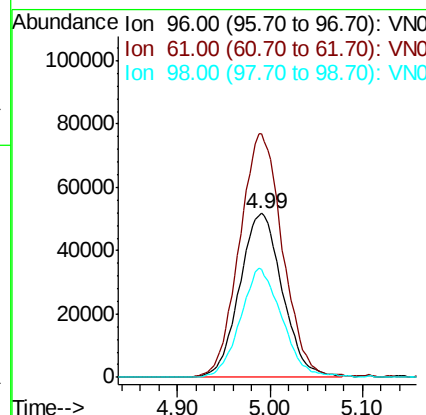
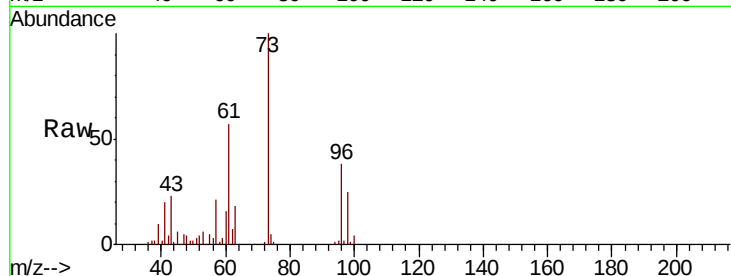




#19
trans-1,2-Dichloroethene
Concen: 51.779 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

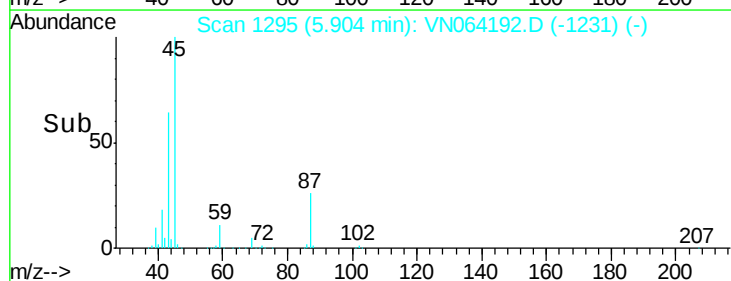
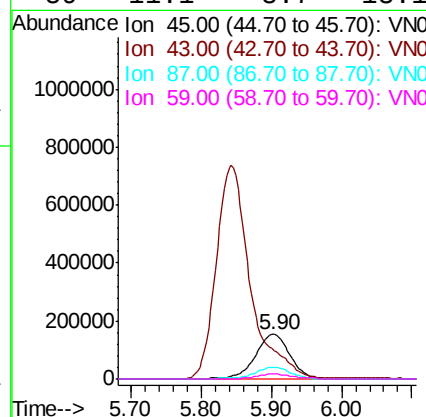
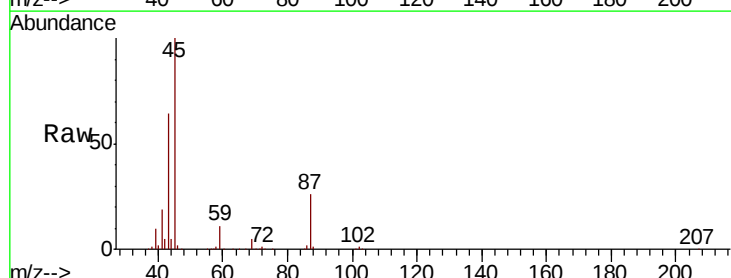
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

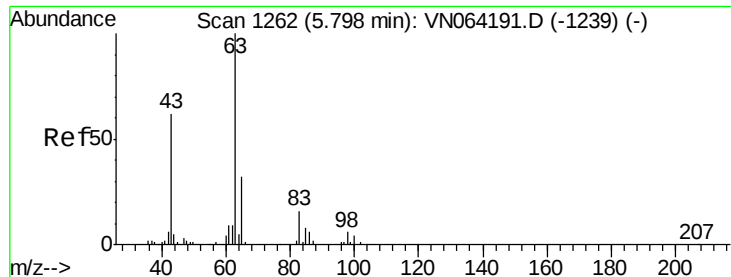
Tot Ion: 96 Resp: 164941
Ion Ratio Lower Upper
96 100
61 148.4 125.5 188.3
98 65.6 54.7 82.1



#20
Diisopropyl ether
Concen: 50.938 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion: 45 Resp: 530065
Ion Ratio Lower Upper
45 100
43 62.1 55.1 82.7
87 26.1 19.4 29.2
59 11.1 8.7 13.1





#21

1,1-Dichloroethane

Concen: 51.382 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

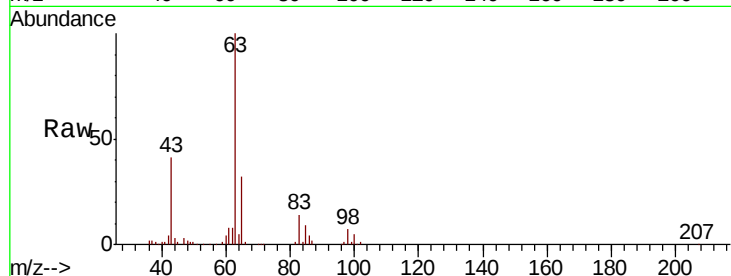
Tot Ion: 63 Resp: 322404

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.7

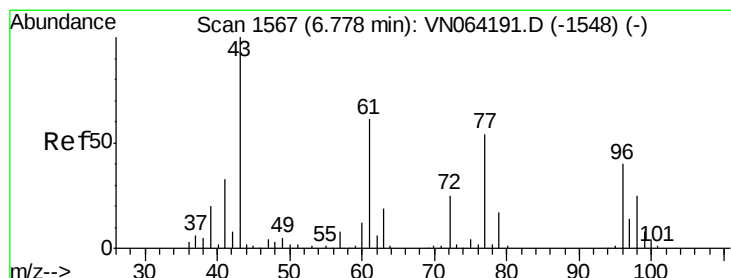
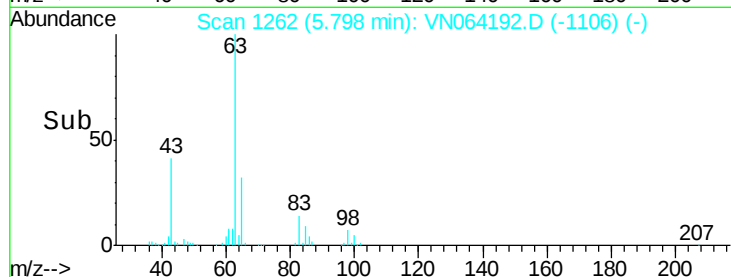
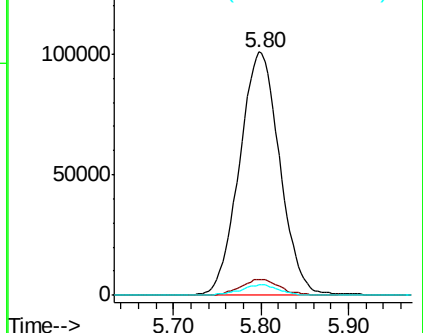
100 4.5 2.1 6.3



Abundance Ion 63.00 (62.70 to 63.70): VN064192.D (-1106) (-)

Ion 98.00 (97.70 to 98.70): VN064192.D (-1106) (-)

Ion 100.00 (99.70 to 100.70): VN064192.D (-1106) (-)



#22

cis-1,2-Dichloroethene

Concen: 52.439 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

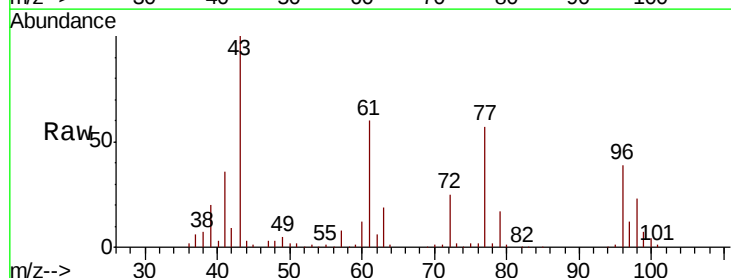
Tgt Ion: 96 Resp: 190664

Ion Ratio Lower Upper

96 100

61 160.9 126.2 189.4

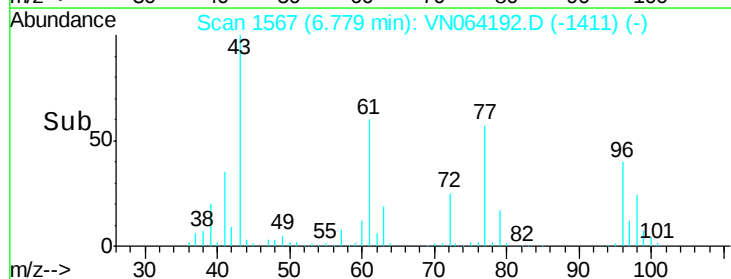
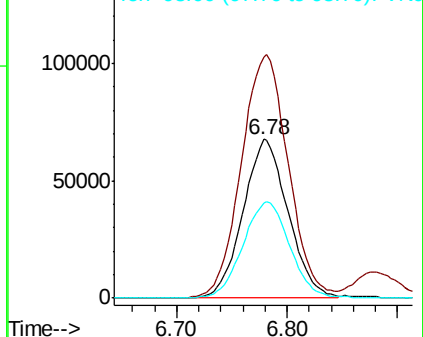
98 63.4 50.2 75.4

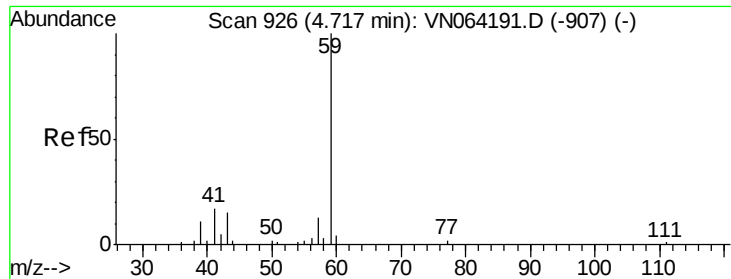


Abundance Ion 96.00 (95.70 to 96.70): VN064192.D (-1411) (-)

Ion 61.00 (60.70 to 61.70): VN064192.D (-1411) (-)

Ion 98.00 (97.70 to 98.70): VN064192.D (-1411) (-)





#23

tert-Butyl Alcohol

Concen: 256.507 ug/l

RT: 4.73 min Scan# 930

Delta R.T. 0.01 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

MSVOA_N

ClientSampled :

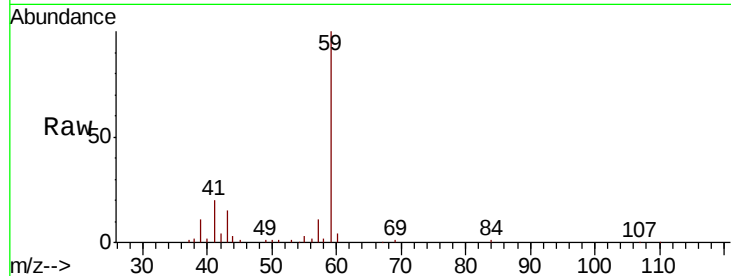
VSTDIC050

Tot Ion: 59 Resp: 152254

Ion Ratio Lower Upper

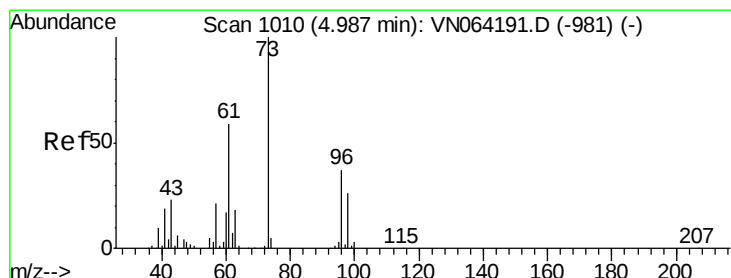
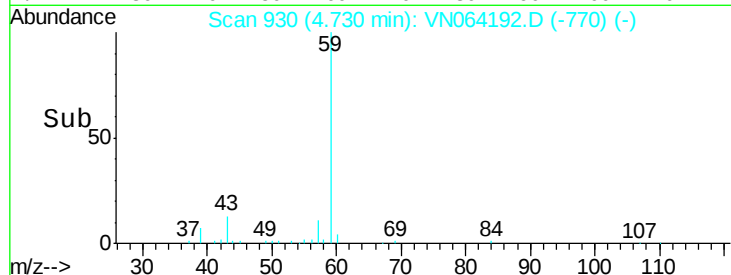
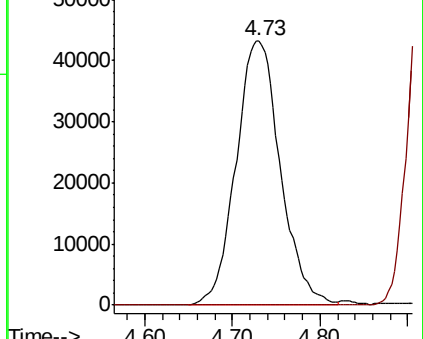
59 100

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: 53.763 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN064192.D

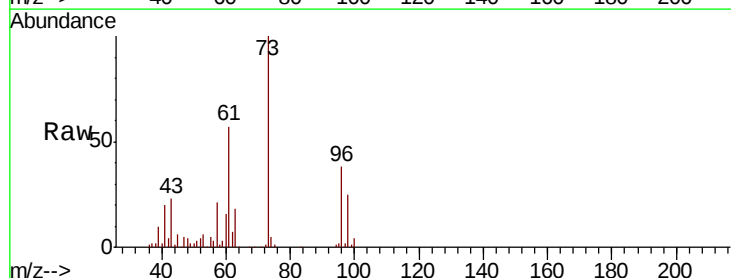
Acq: 20 Oct 2020 10:48

Tgt Ion: 73 Resp: 507374

Ion Ratio Lower Upper

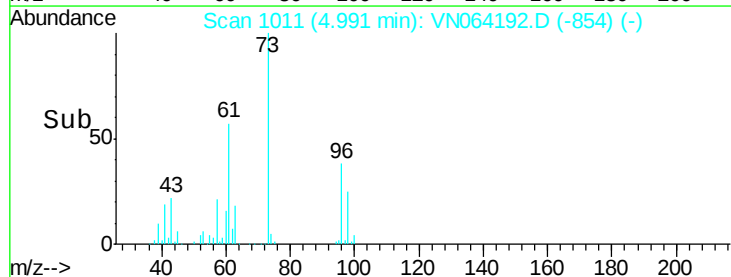
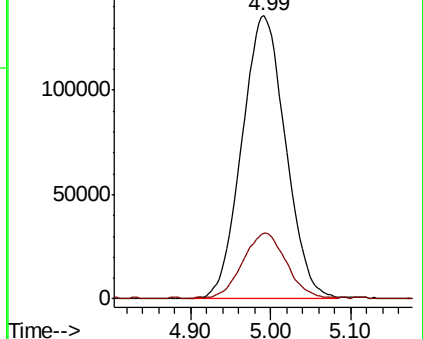
73 100

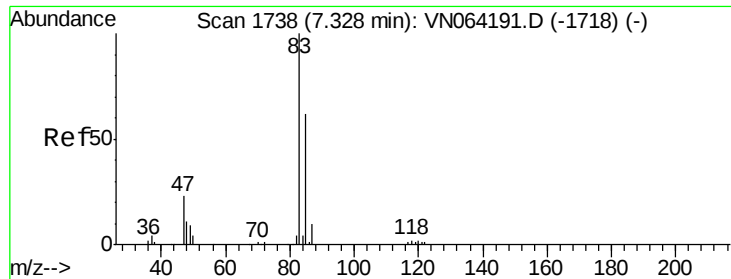
43 22.8 18.2 27.2



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

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

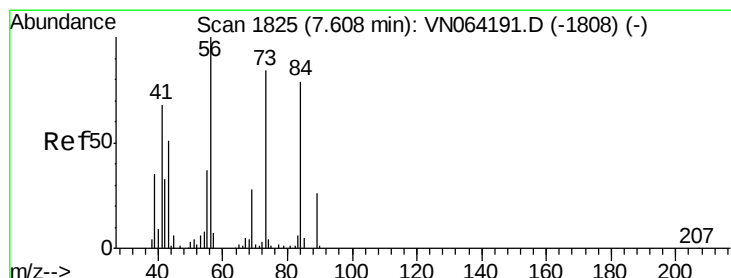
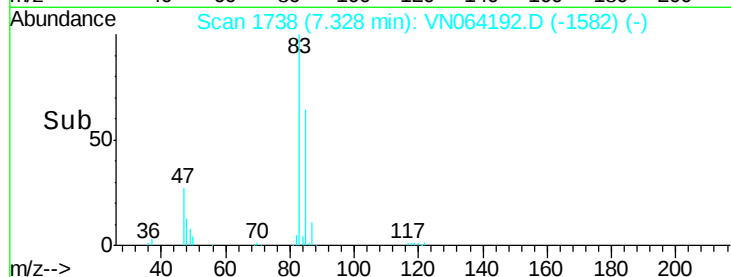
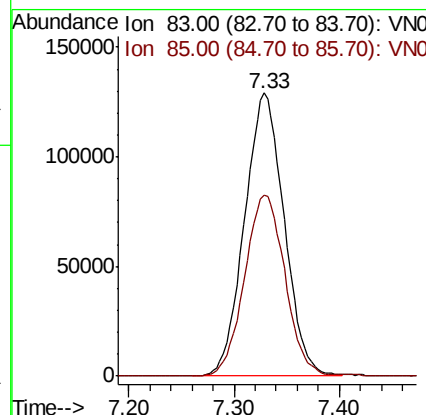
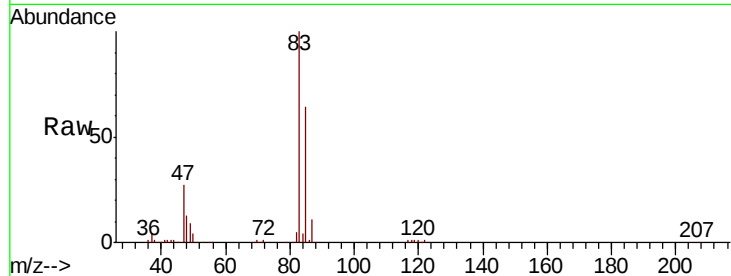




#25
Chloroform
Concen: 51.335 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

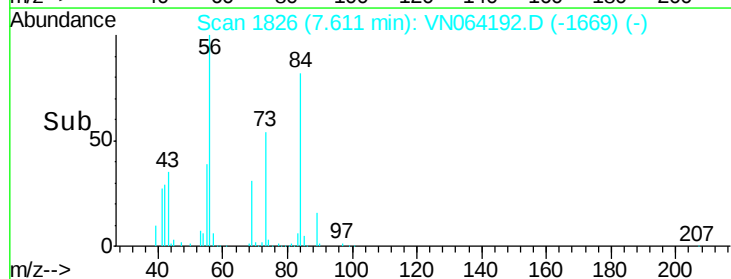
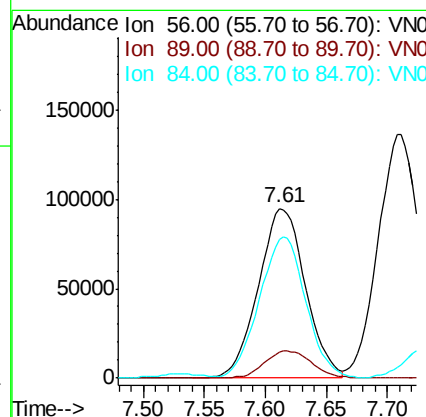
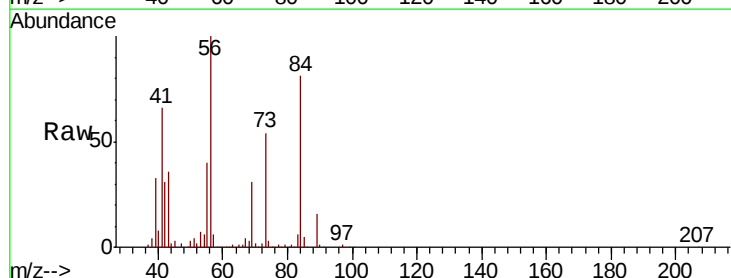
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

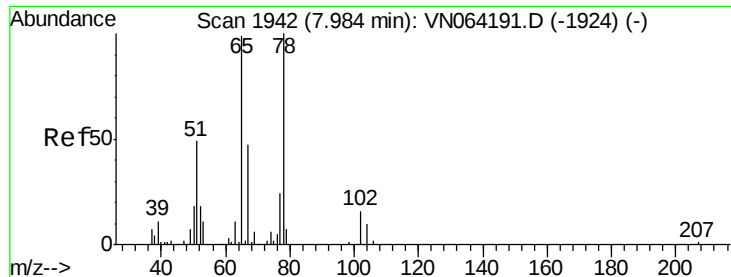
Tot Ion: 83 Resp: 337275
Ion Ratio Lower Upper
83 100
85 64.0 49.7 74.5



#26
Cyclohexane
Concen: 54.824 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion: 56 Resp: 254010
Ion Ratio Lower Upper
56 100
89 16.0 21.4 32.0#
84 82.3 65.8 98.6





#27

1,2-Dichloroethane-d4

Concen: 28.015 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

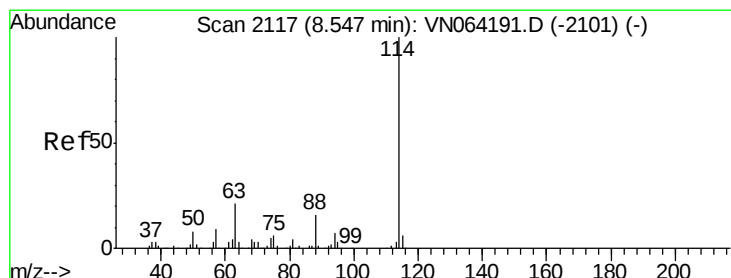
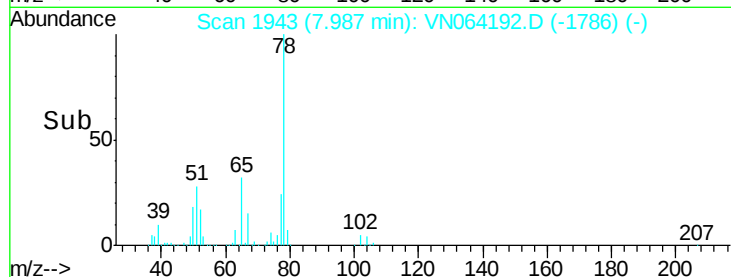
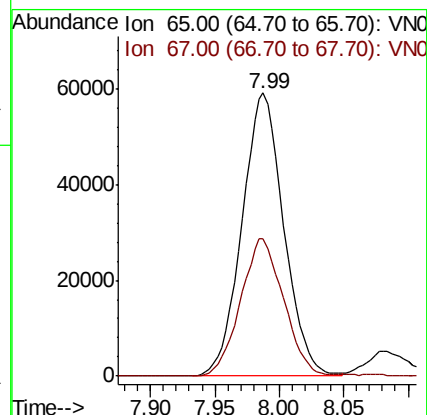
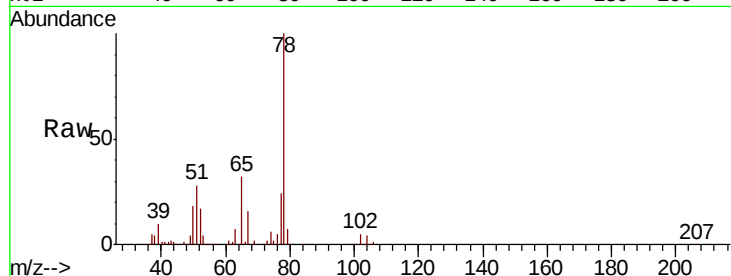
VSTDIC050

Tot Ion: 65 Resp: 133420

Ion Ratio Lower Upper

65 100

67 49.5 39.8 59.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

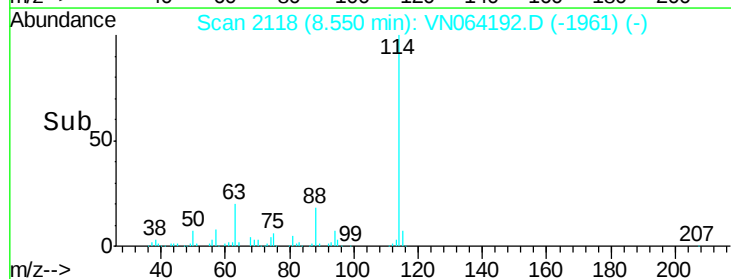
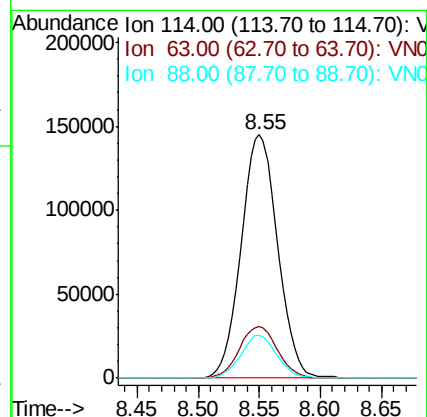
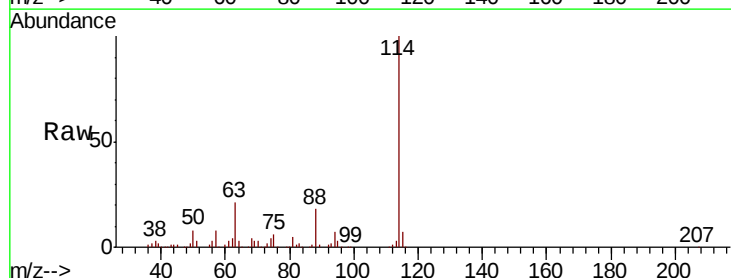
Tgt Ion: 114 Resp: 299509

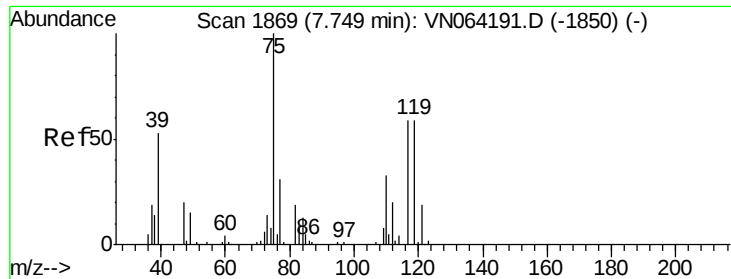
Ion Ratio Lower Upper

114 100

63 22.0 17.0 25.4

88 17.3 13.0 19.4





#29

1,1-Dichloropropene

Concen: 50.235 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

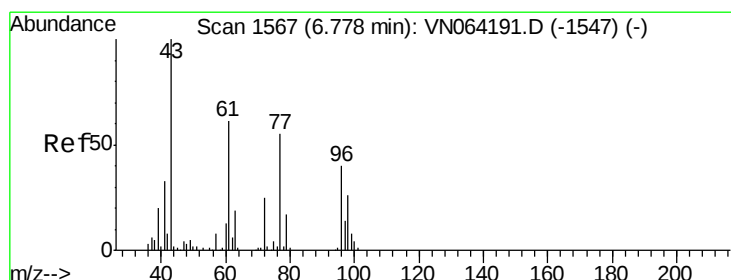
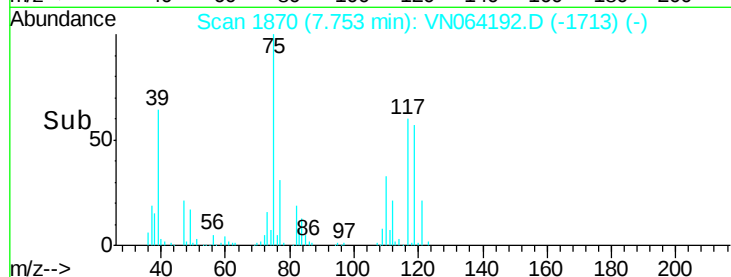
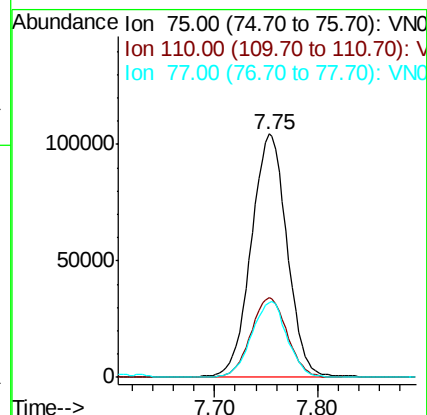
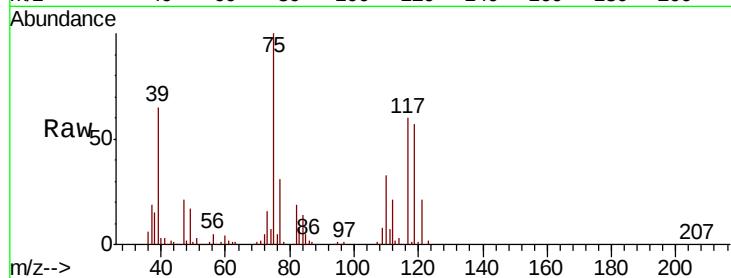
Tot Ion: 75 Resp: 251908

Ion Ratio Lower Upper

75 100

110 33.0 0.0 66.8

77 31.1 0.0 63.6



#30

2-Butanone

Concen: 219.221 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

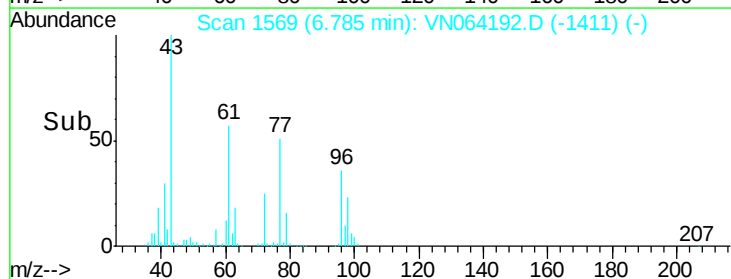
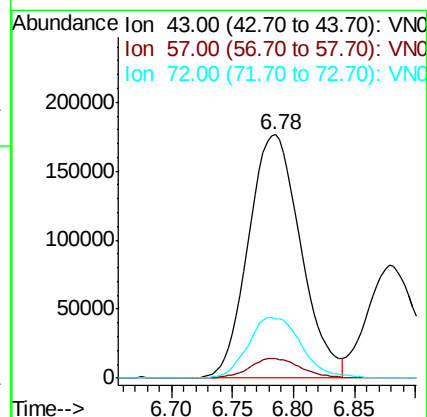
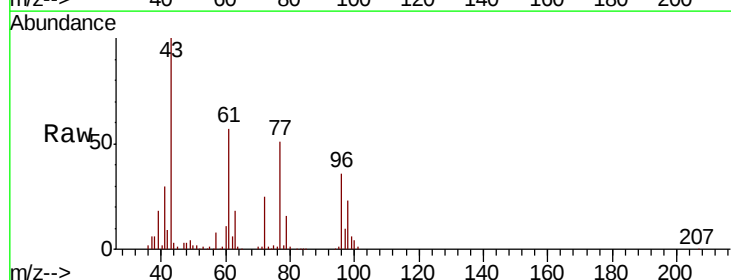
Tgt Ion: 43 Resp: 520990

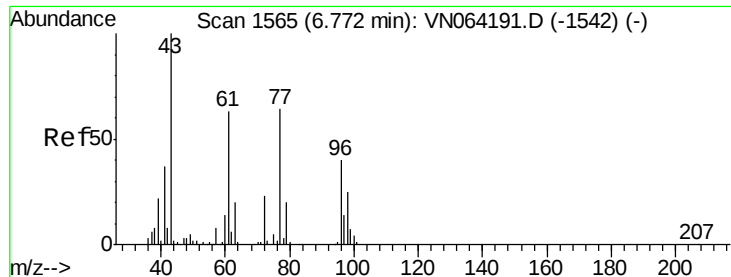
Ion Ratio Lower Upper

43 100

57 8.1 5.8 8.6

72 25.7 19.8 29.8

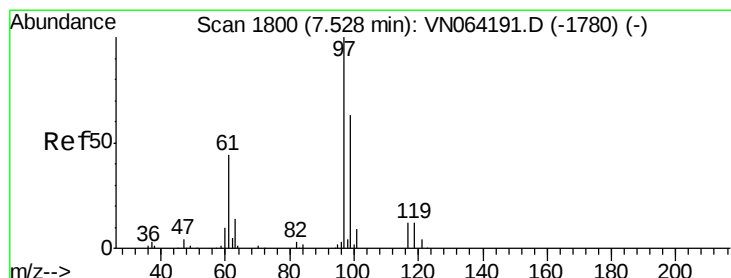
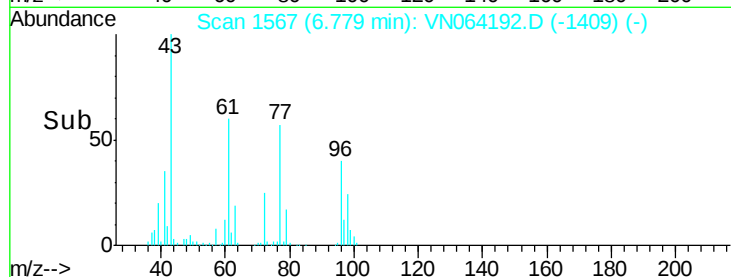
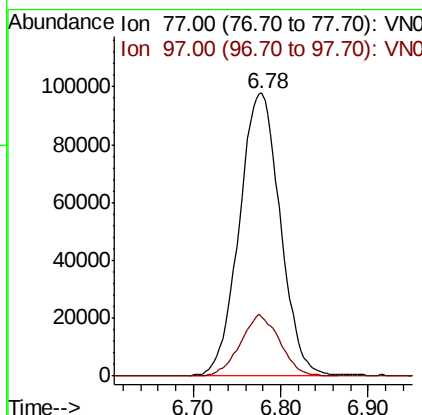
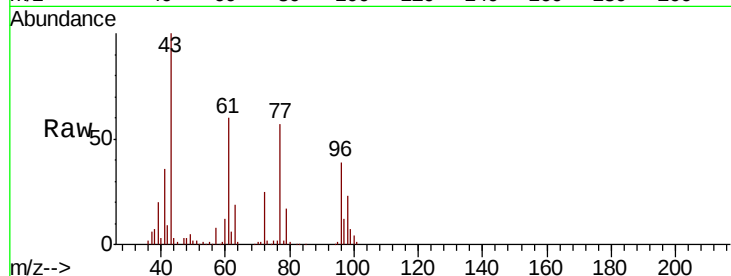




#31
 2,2-Dichloropropane
 Concen: 52.593 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

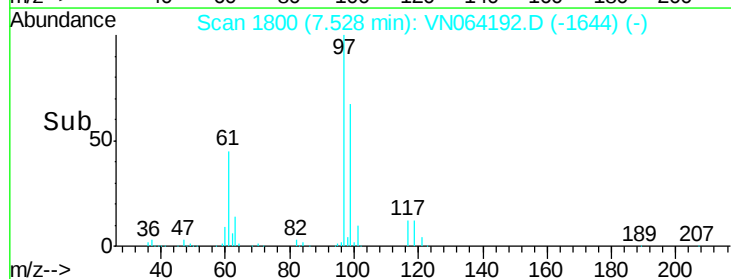
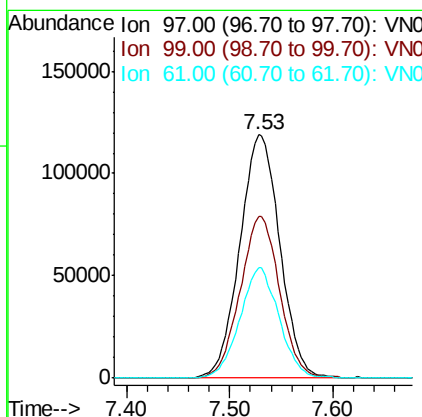
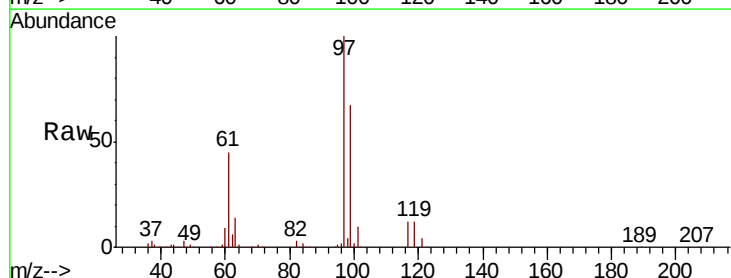
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

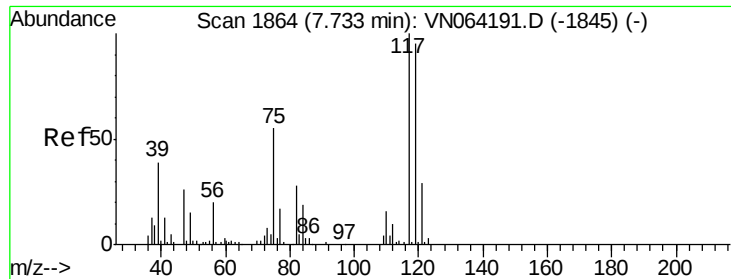
Tot Ion: 77 Resp: 317562
 Ion Ratio Lower Upper
 77 100
 97 20.8 17.3 25.9



#32
 1,1,1-Trichloroethane
 Concen: 50.548 ug/l
 RT: 7.53 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Tgt Ion: 97 Resp: 321350
 Ion Ratio Lower Upper
 97 100
 99 65.5 51.3 76.9
 61 44.3 34.8 52.2

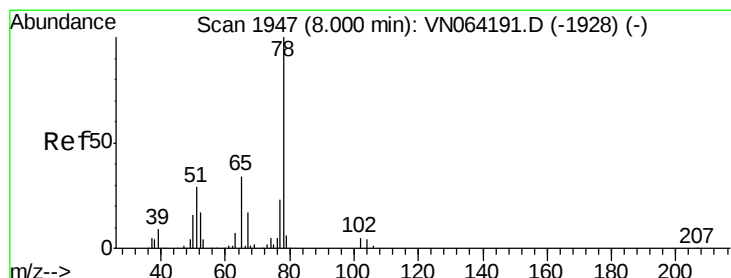
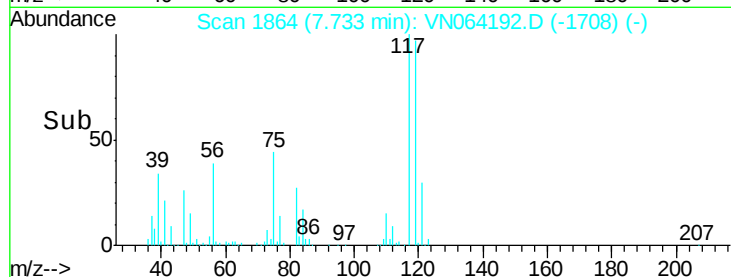
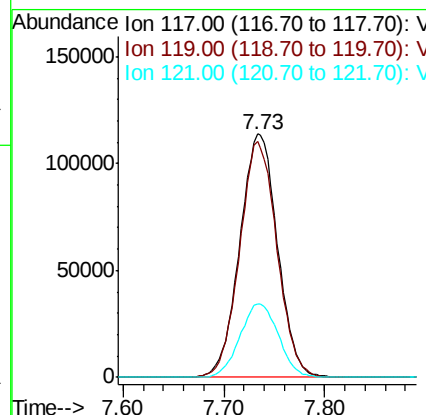
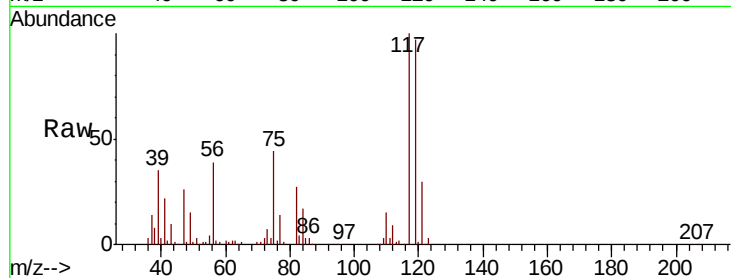




#33
Carbon Tetrachloride
Concen: 52.476 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

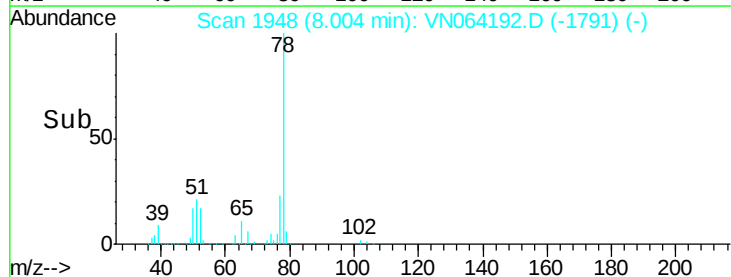
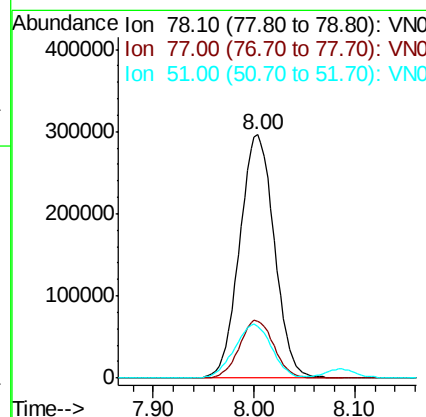
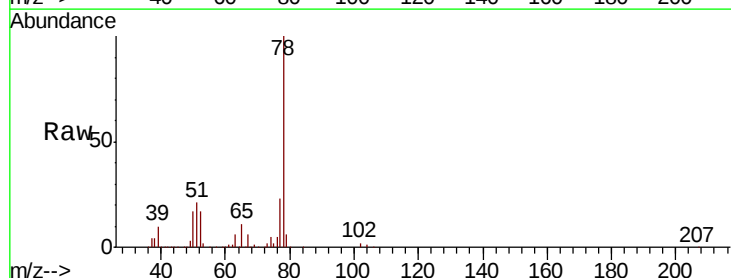
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

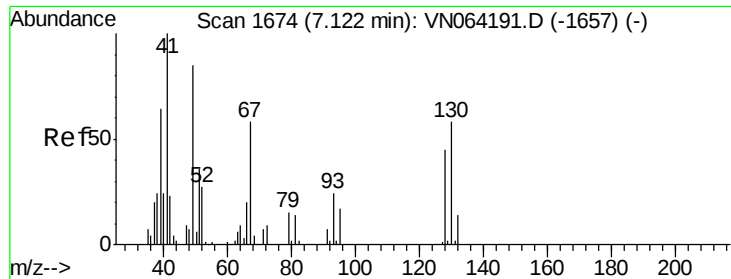
Tot Ion:117 Resp: 295275
Ion Ratio Lower Upper
117 100
119 96.9 76.0 114.0
121 30.3 23.0 34.6



#34
Benzene
Concen: 50.073 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion: 78 Resp: 706934
Ion Ratio Lower Upper
78 100
77 23.5 18.4 27.6
51 21.3 23.0 34.6#

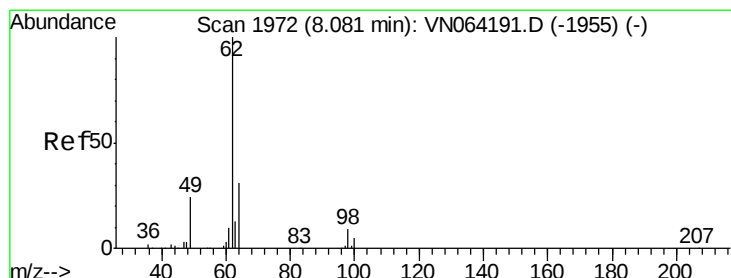
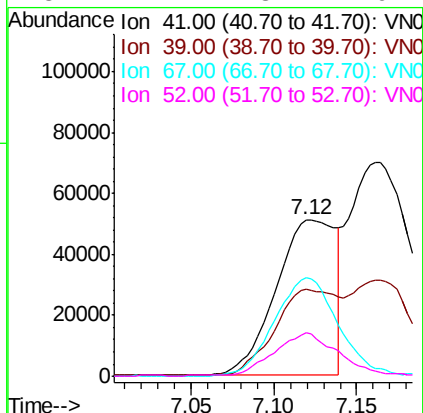
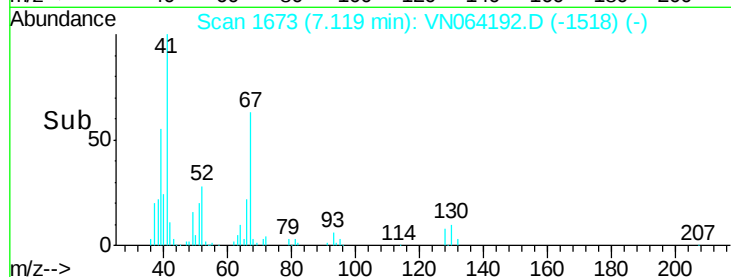
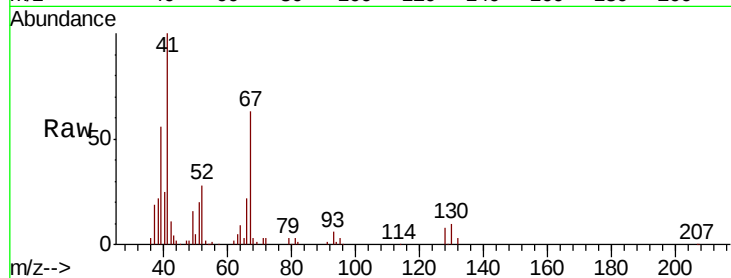




#35
Methacrylonitrile
Concen: 54.537 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

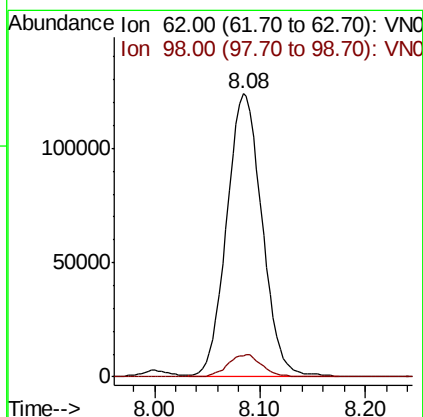
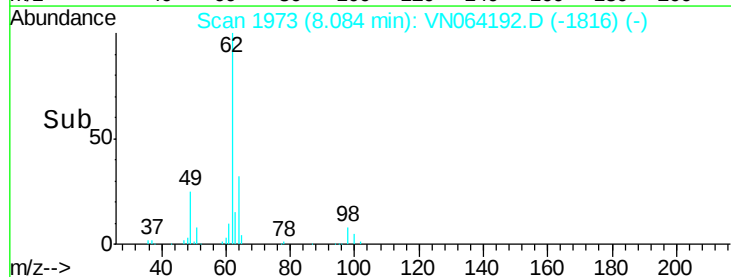
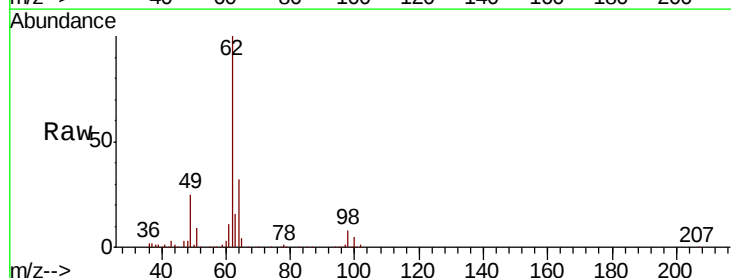
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

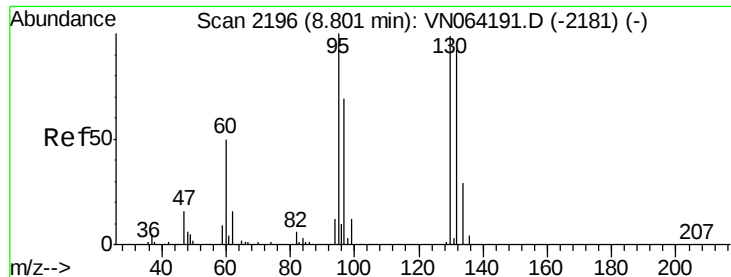
Tot Ion:	41	Resp:	127349
Ion	Ratio	Lower	Upper
41	100		
39	55.3	32.1	96.3
67	63.1	28.9	86.8
52	27.4	13.4	40.2



#36
1,2-Dichloroethane
Concen: 47.087 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion:	62	Resp:	288850
Ion	Ratio	Lower	Upper
62	100		
98	7.7	6.3	9.5





#37

Trichloroethene

Concen: 51.190 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

MSVOA_N

ClientSampled :

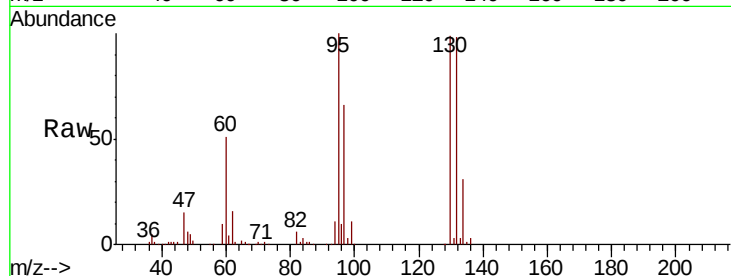
VSTDIC050

Tot Ion:130 Resp: 192294

Ion Ratio Lower Upper

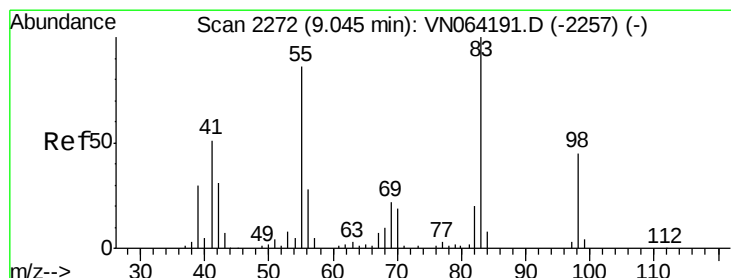
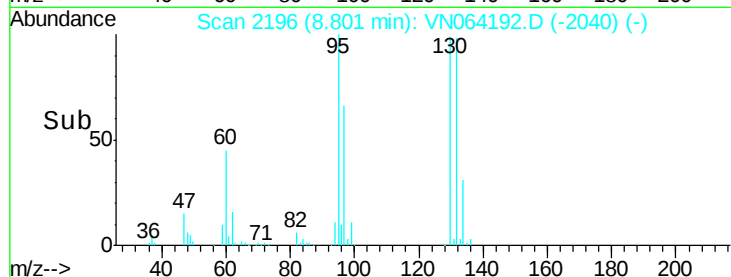
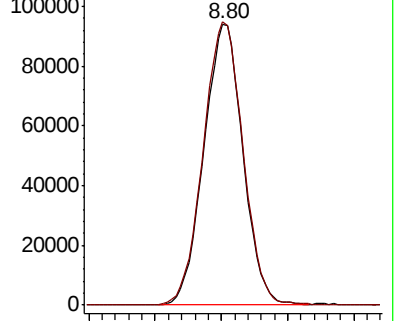
130 100

95 100.4 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 55.633 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

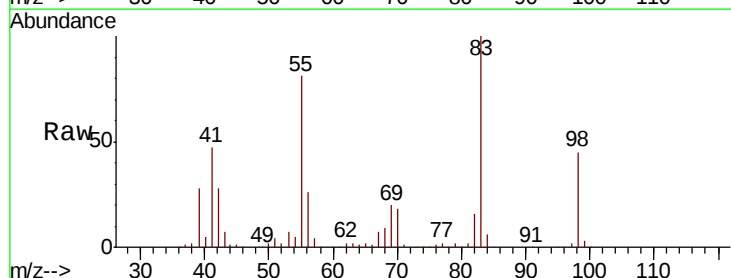
Tgt Ion: 83 Resp: 240744

Ion Ratio Lower Upper

83 100

55 81.0 40.3 120.9

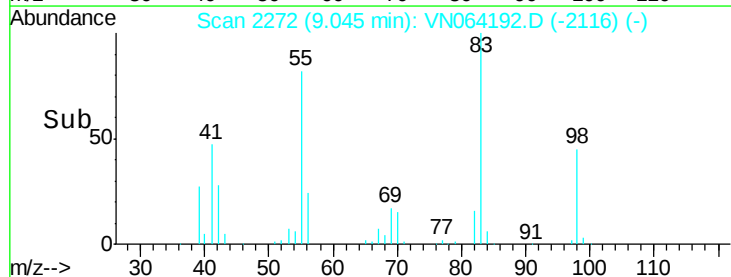
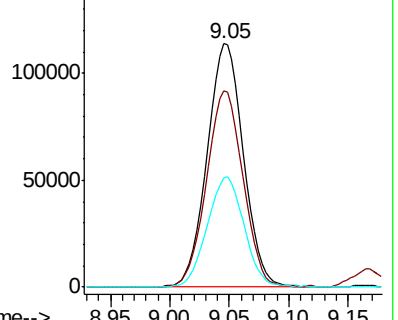
98 46.0 22.4 67.0

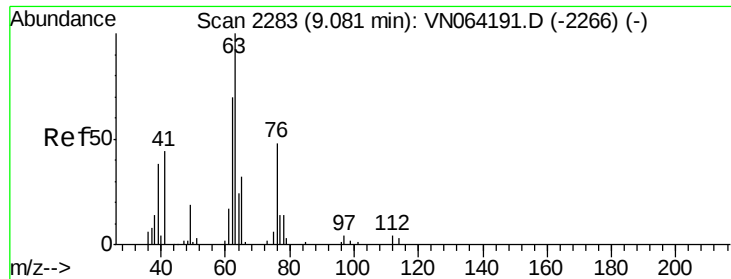


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

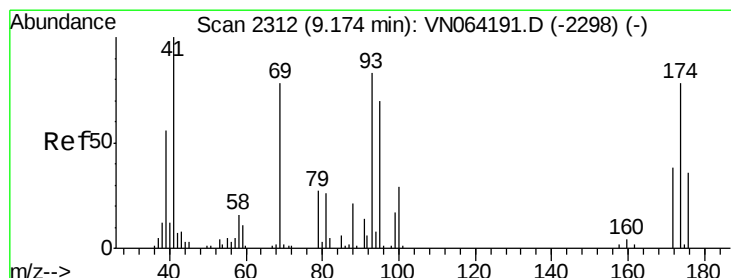
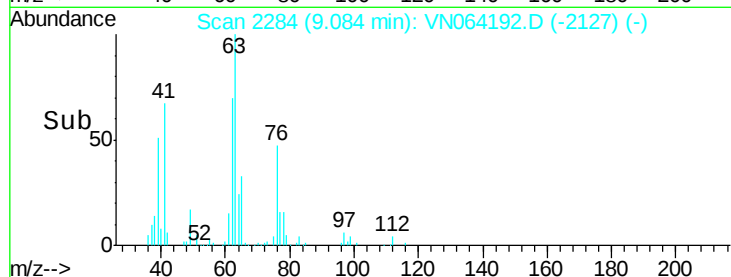
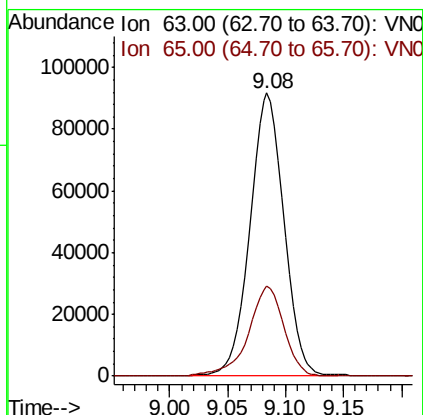
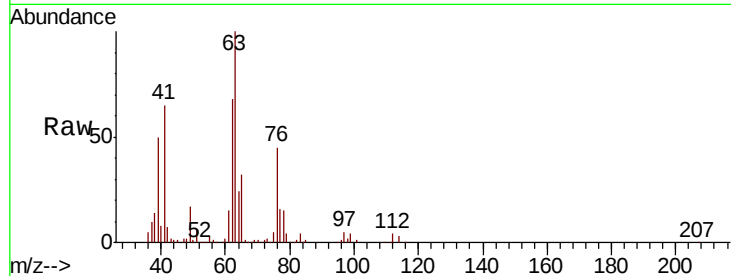




#39
 1,2-Dichloropropane
 Concen: 49.178 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

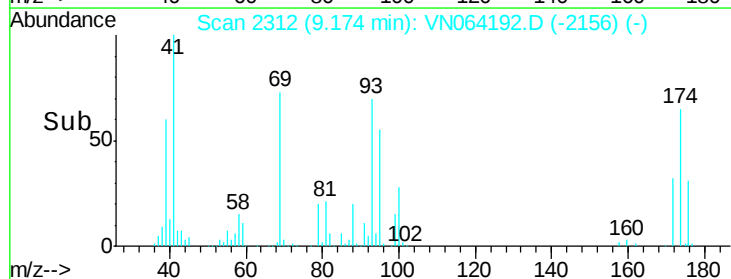
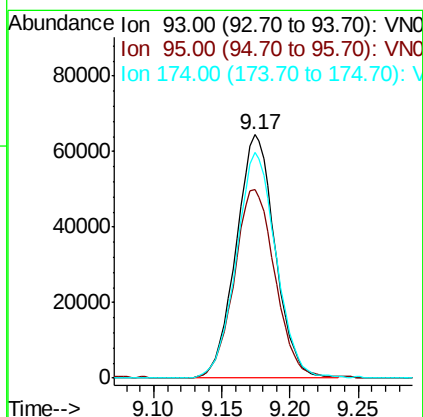
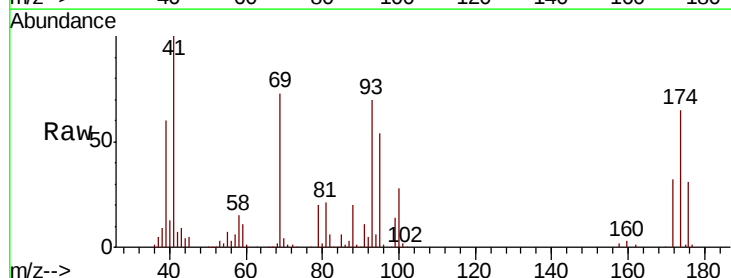
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

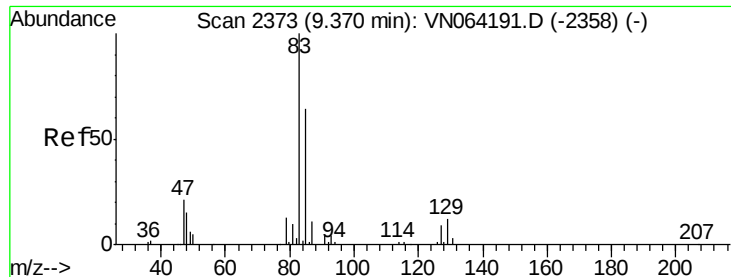
Tot Ion: 63 Resp: 187736
 Ion Ratio Lower Upper
 63 100
 65 31.7 26.5 39.7



#40
 Dibromomethane
 Concen: 48.218 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Tgt Ion: 93 Resp: 128072
 Ion Ratio Lower Upper
 93 100
 95 80.8 0.0 169.2
 174 94.3 0.0 187.4





#41

Bromodichloromethane

Concen: 50.613 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

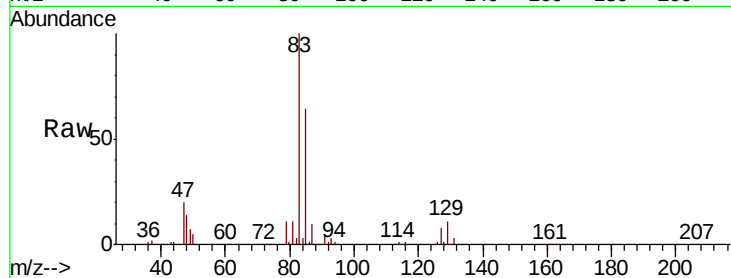
Tot Ion: 83 Resp: 283637

Ion Ratio Lower Upper

83 100

85 63.8 51.5 77.3

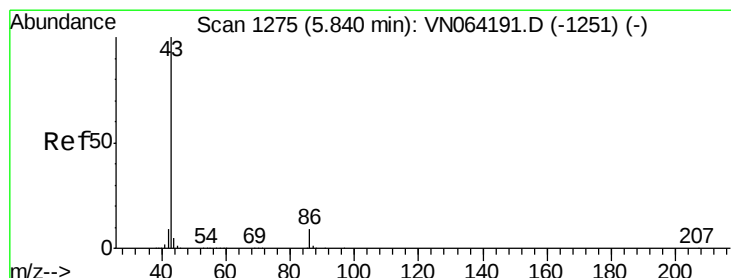
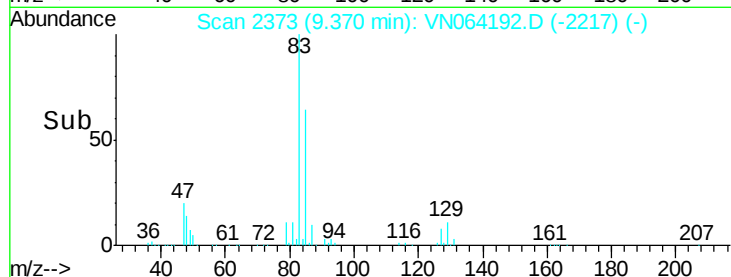
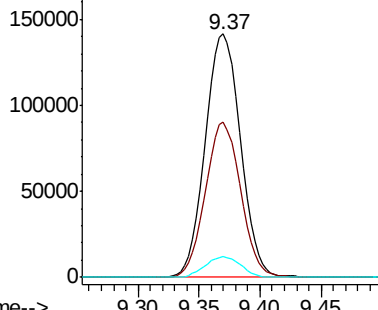
127 8.4 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VN064192.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN064192.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN064192.D (-2217) (-)



#42

Vinyl Acetate

Concen: 246.189 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN064192.D

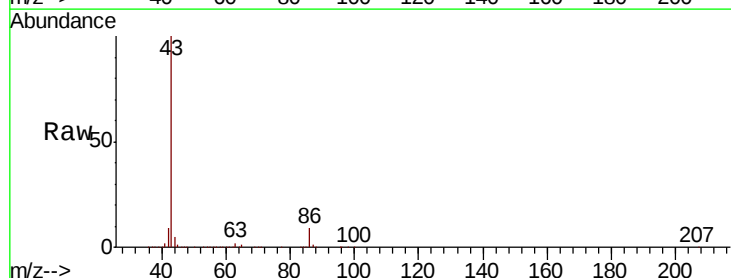
Acq: 20 Oct 2020 10:48

Tgt Ion: 43 Resp: 2488491

Ion Ratio Lower Upper

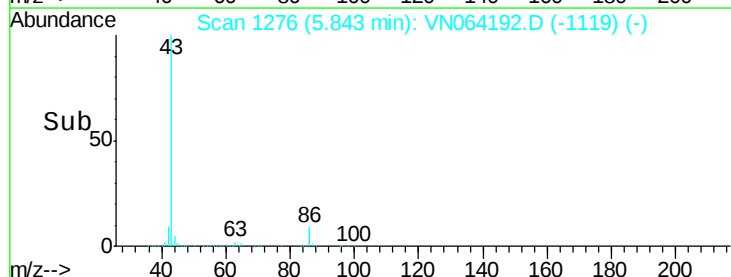
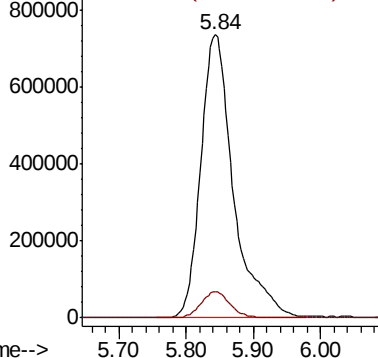
43 100

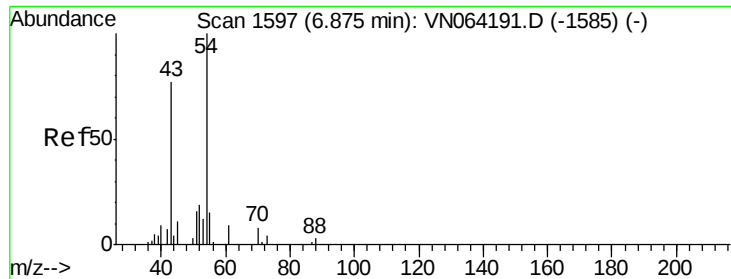
86 8.4 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN064192.D (-1119) (-)

Ion 86.00 (85.70 to 86.70): VN064192.D (-1119) (-)

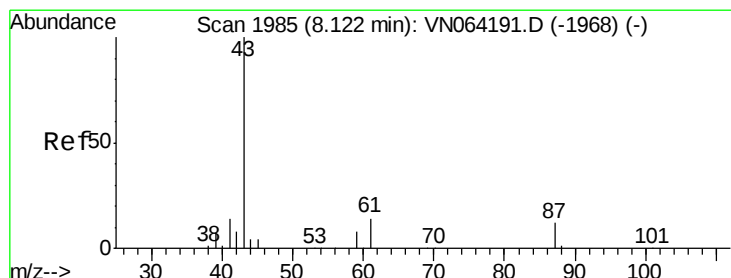
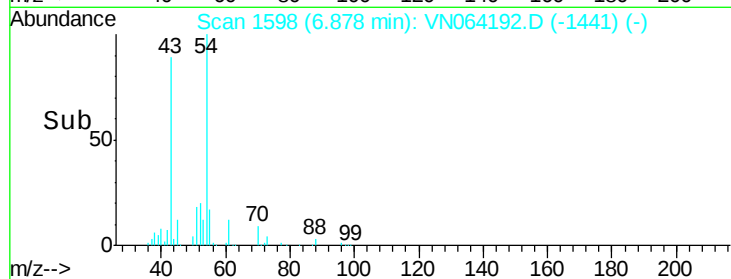
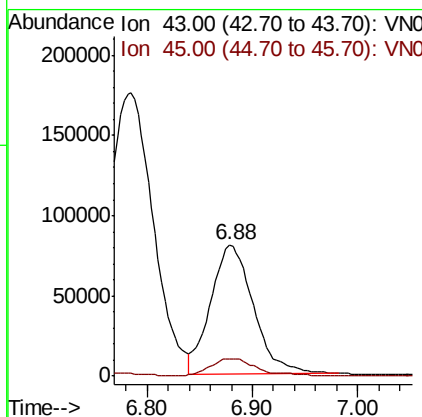
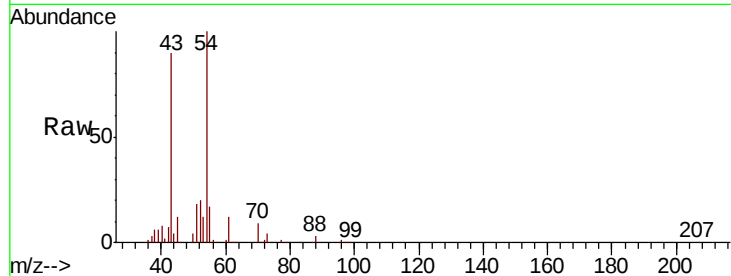




#43
Ethyl Acetate
Concen: 44.052 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

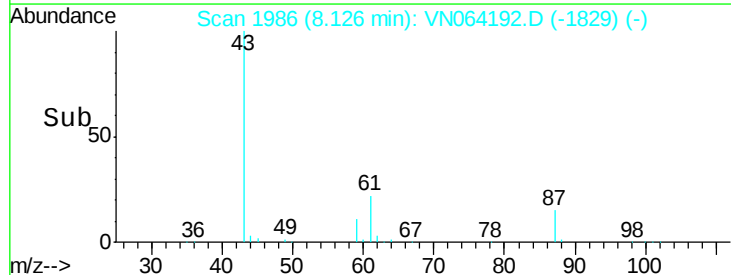
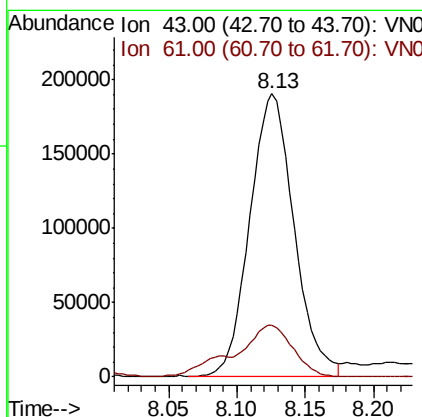
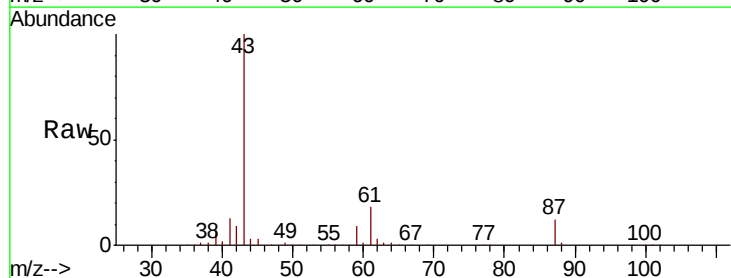
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

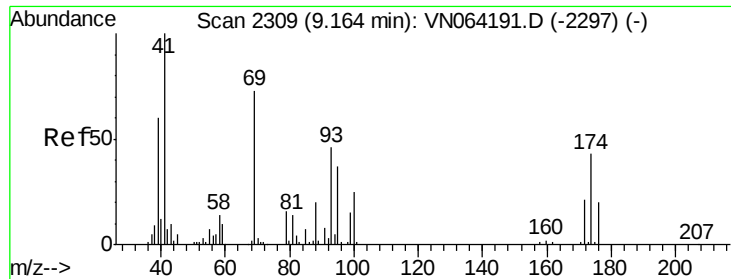
Tot Ion: 43 Resp: 226819
Ion Ratio Lower Upper
43 100
45 13.2 9.8 14.8



#44
Isopropyl Acetate
Concen: 49.140 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion: 43 Resp: 426954
Ion Ratio Lower Upper
43 100
61 18.4 18.7 28.1#

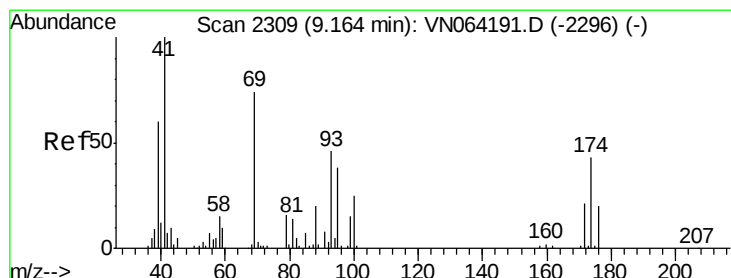
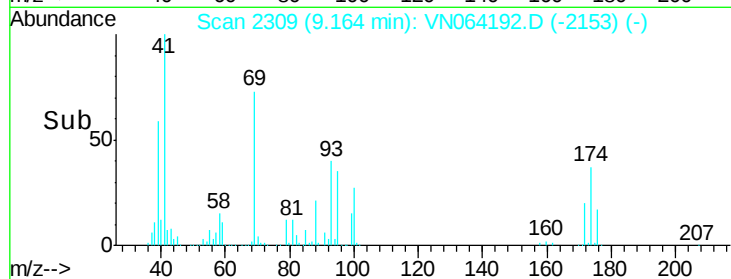
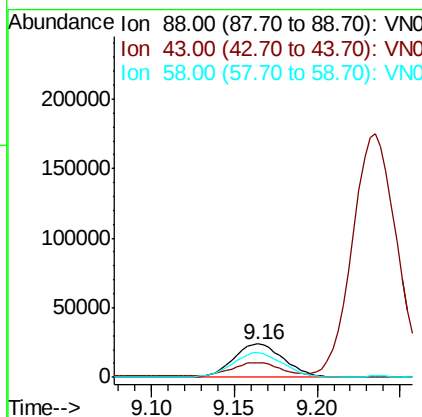
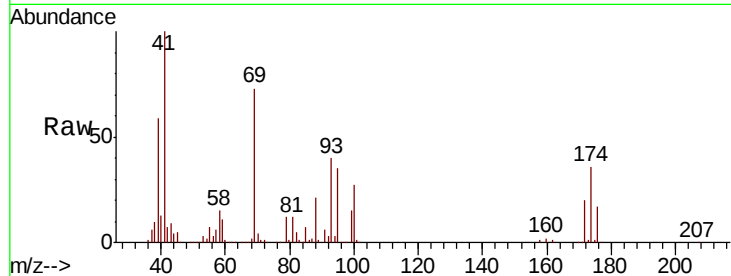




#45
 1,4-Dioxane
 Concen: 935.295 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

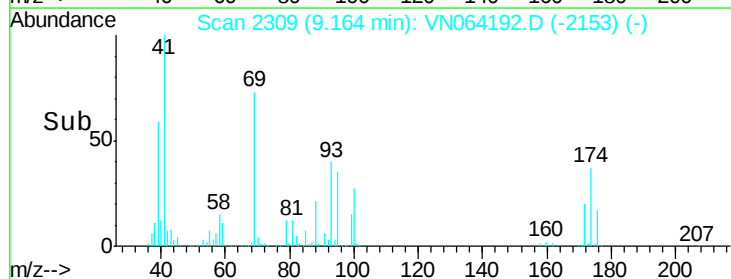
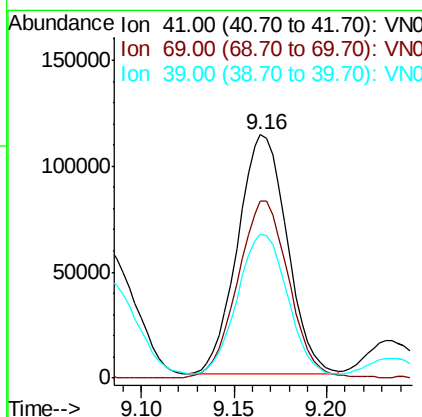
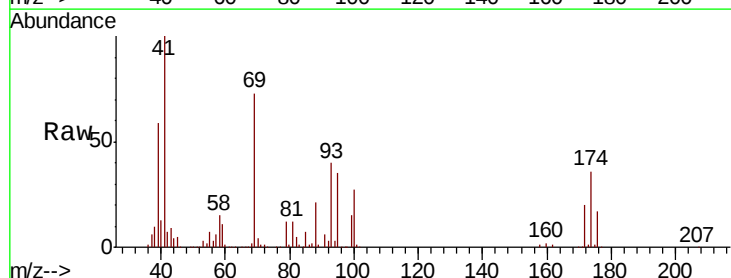
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

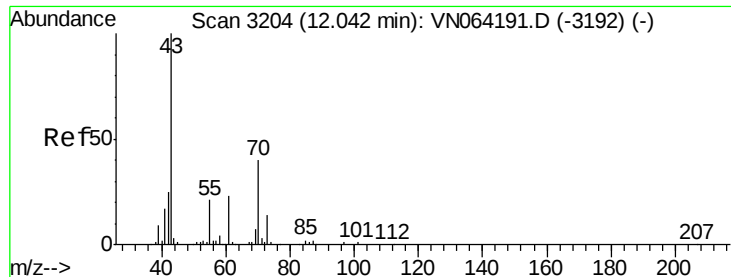
Tot Ion: 88 Resp: 50842
 Ion Ratio Lower Upper
 88 100
 43 38.2 37.0 55.4
 58 72.6 62.4 93.6



#46
 Methyl methacrylate
 Concen: 48.977 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Tgt Ion: 41 Resp: 209967
 Ion Ratio Lower Upper
 41 100
 69 73.5 36.8 110.4
 39 58.7 30.4 91.2

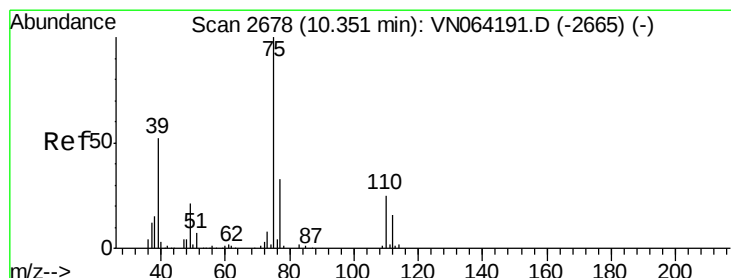
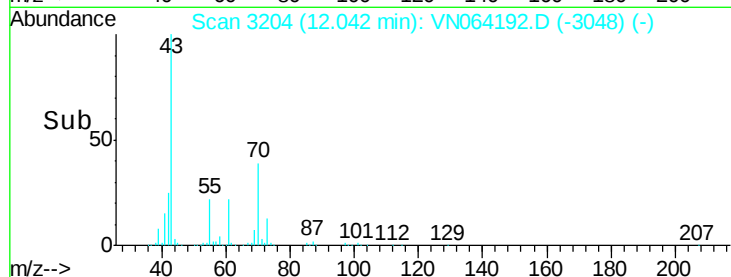
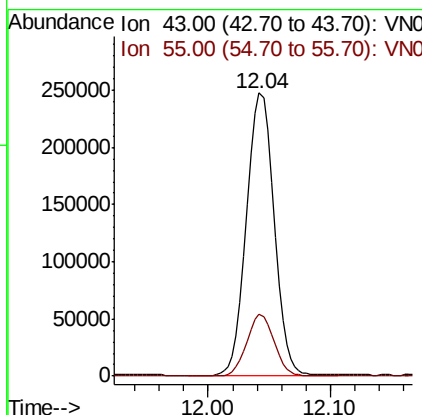
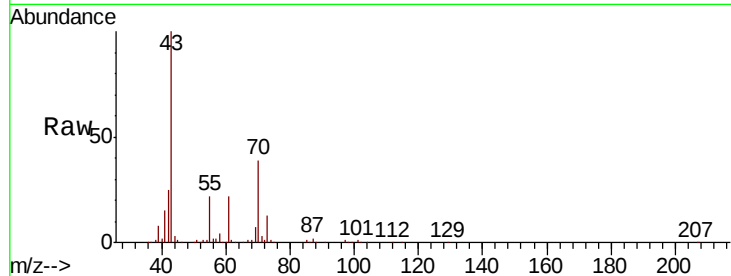




#47
n-amvl Acetate
Concen: 49.631 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

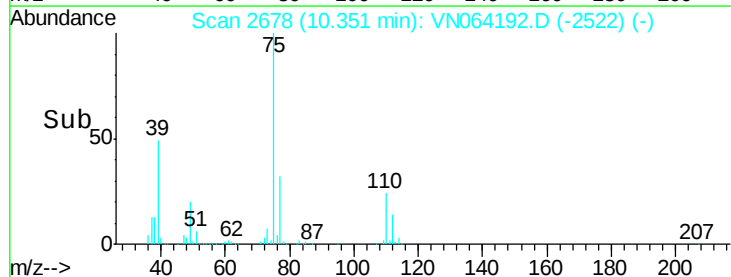
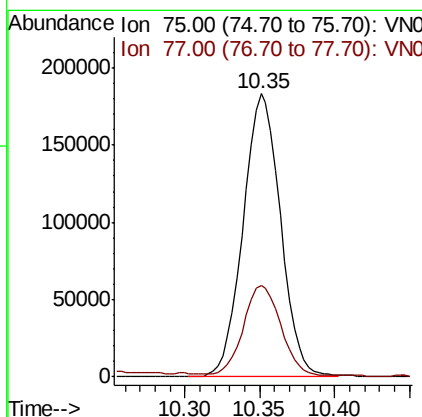
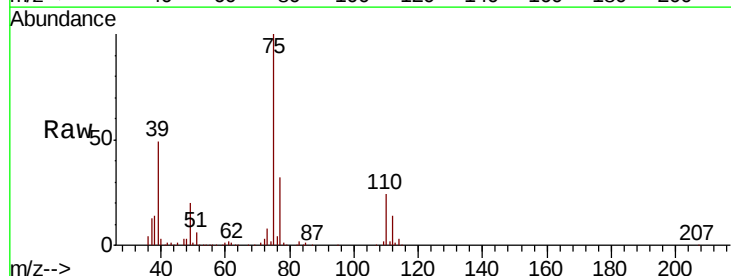
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

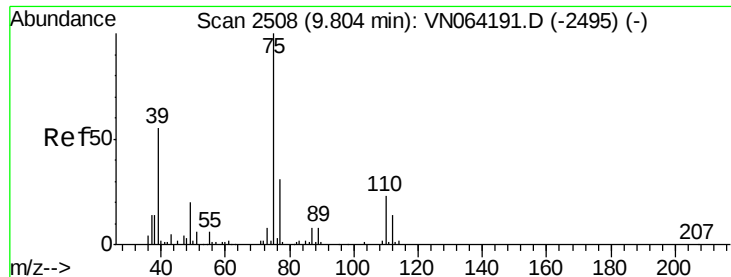
Tot Ion: 43 Resp: 384226
Ion Ratio Lower Upper
43 100
55 21.6 17.6 26.4



#48
t-1,3-Dichloropropene
Concen: 52.417 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion: 75 Resp: 319550
Ion Ratio Lower Upper
75 100
77 31.5 27.4 41.2



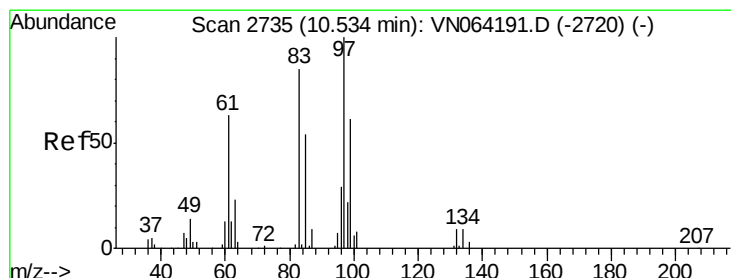
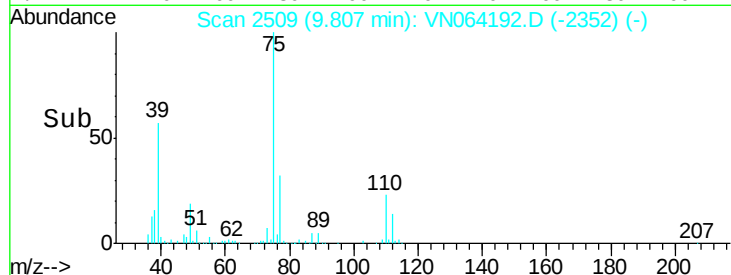
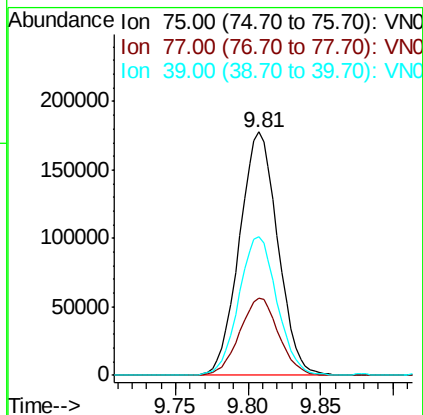
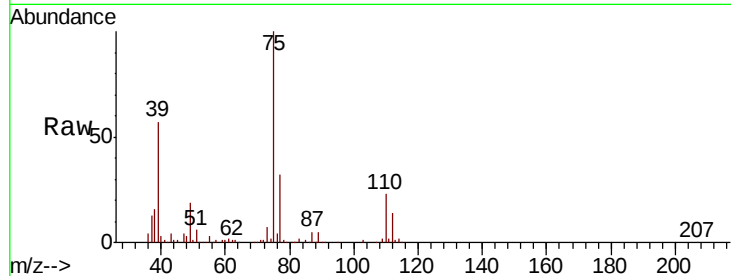


#49

cis-1,3-Dichloropropene
 Concen: 51.788 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

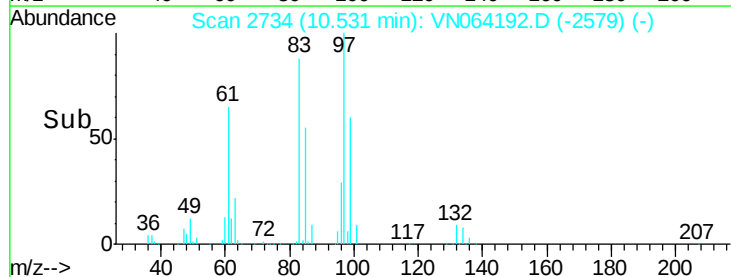
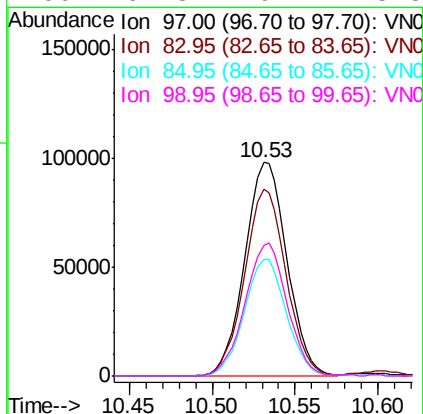
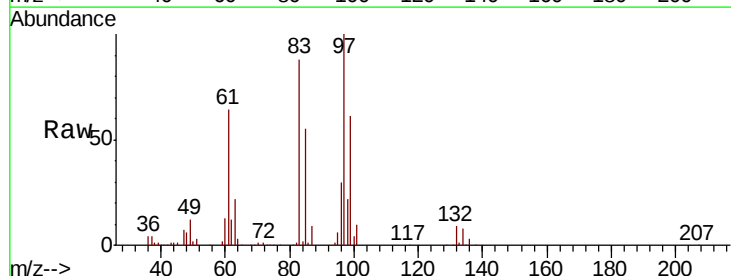
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.5	36.7
39	57.0	43.8	65.8

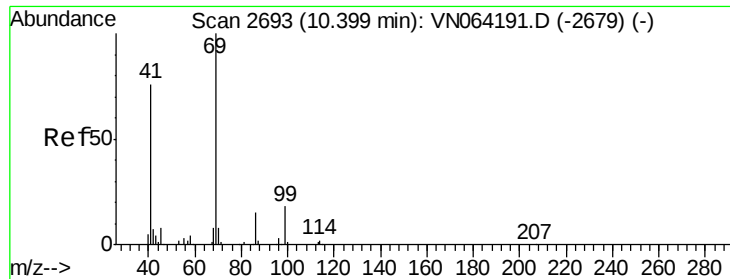


#50

1,1,2-Trichloroethane
 Concen: 48.466 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.6	67.7	101.5
85	54.8	43.2	64.8
99	61.3	49.2	73.8





#51

Ethyl methacrylate

Concen: 51.435 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

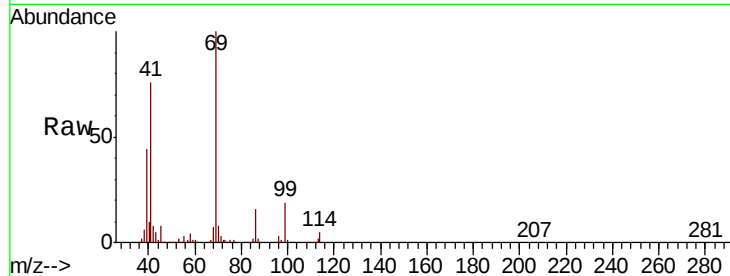
Tot Ion: 69 Resp: 271826

Ion Ratio Lower Upper

69 100

41 75.8 38.0 114.1

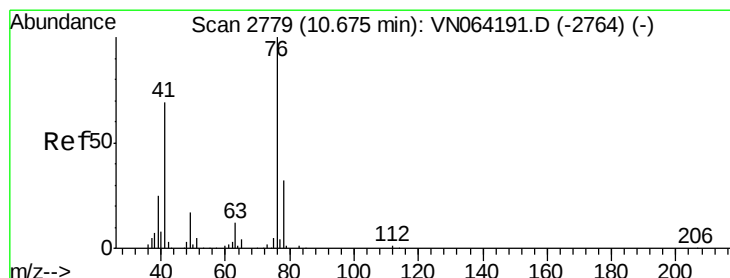
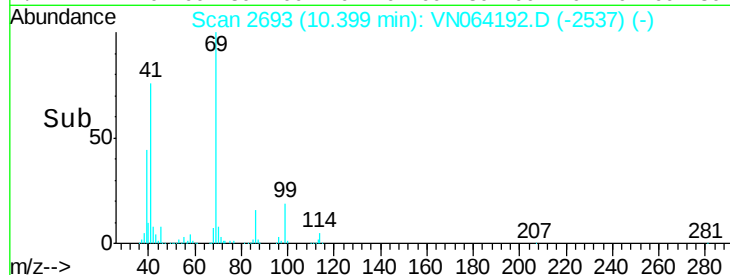
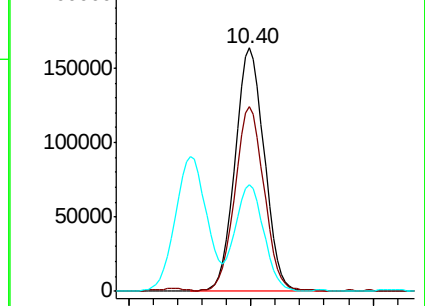
39 43.7 21.4 64.3



Abundance Ion 69.00 (68.70 to 69.70): VN064192.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN064192.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN064192.D (-2679) (-)



#52

1,3-Dichloropropane

Concen: 48.232 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN064192.D

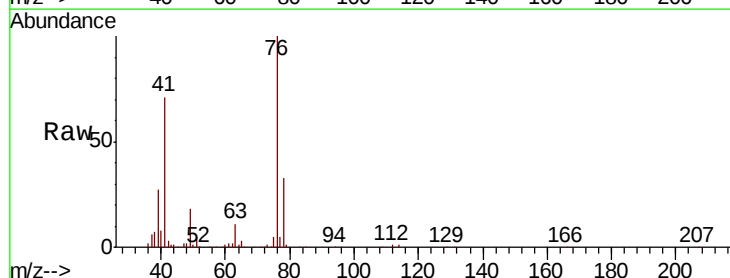
Acq: 20 Oct 2020 10:48

Tgt Ion: 76 Resp: 296363

Ion Ratio Lower Upper

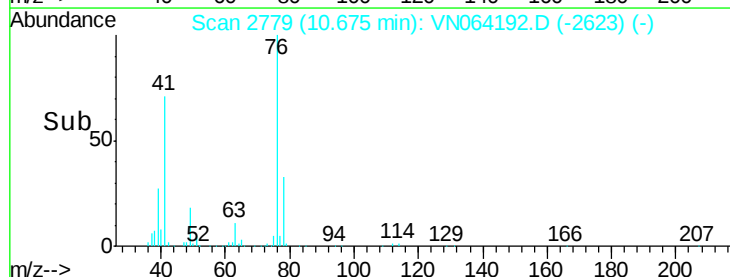
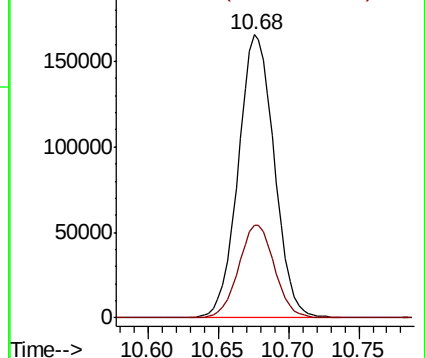
76 100

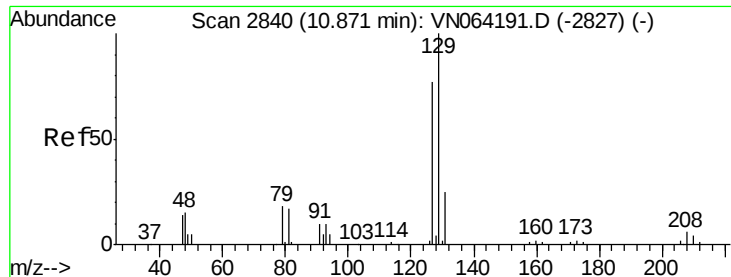
78 32.8 0.0 64.4



Abundance Ion 76.00 (75.70 to 76.70): VN064192.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN064192.D (-2764) (-)

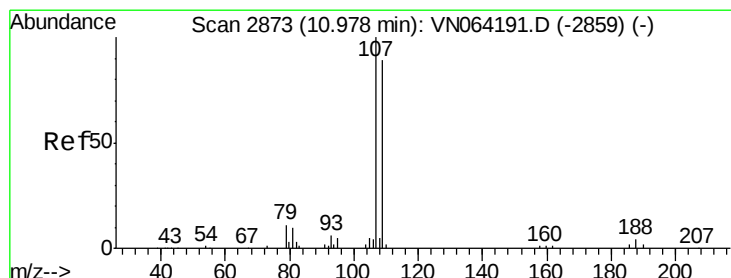
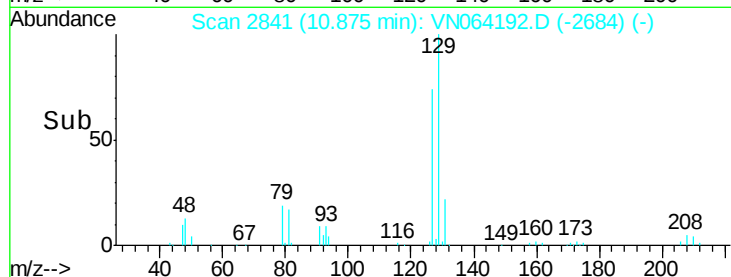
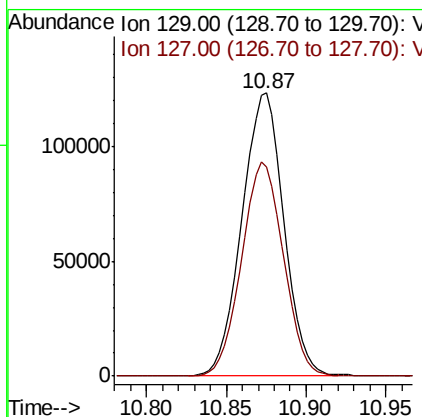
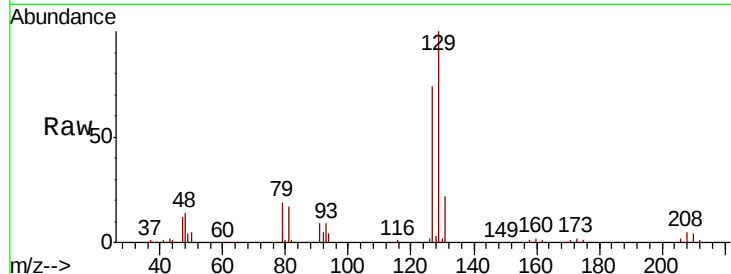




#53
 Dibromochloromethane
 Concen: 53.079 ug/l
 RT: 10.87 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

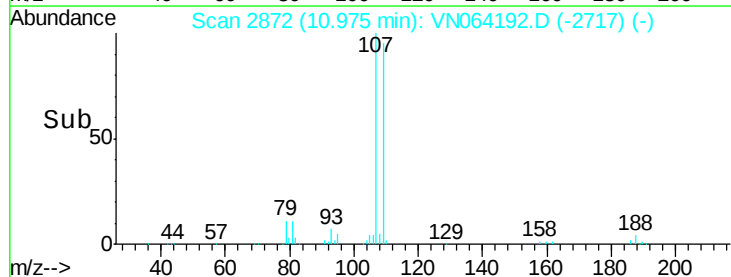
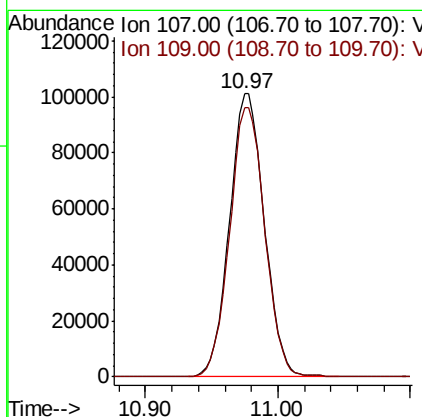
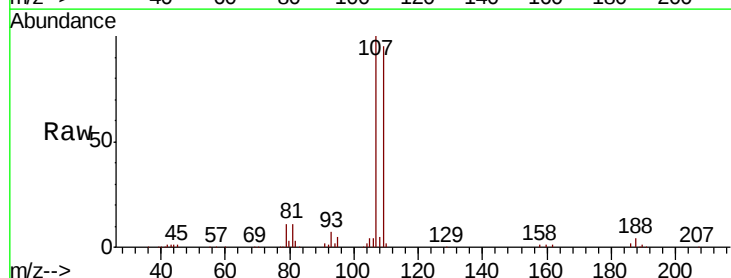
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

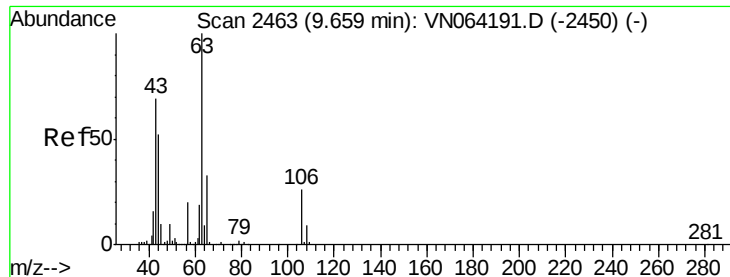
Tot Ion:129 Resp: 221229
 Ion Ratio Lower Upper
 129 100
 127 75.3 39.0 117.0



#54
 1,2-Dibromoethane
 Concen: 49.059 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Tgt Ion:107 Resp: 184193
 Ion Ratio Lower Upper
 107 100
 109 95.8 71.8 107.8





#55

2-Chloroethyl vinyl ether

Concen: 249.728 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

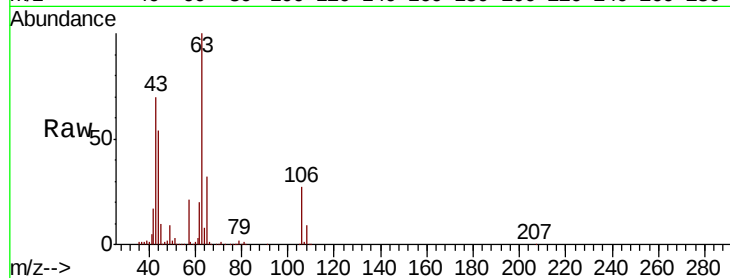
Tot Ion: 63 Resp: 708409

Ion Ratio Lower Upper

63 100

65 32.2 25.9 38.9

106 26.8 21.4 32.2

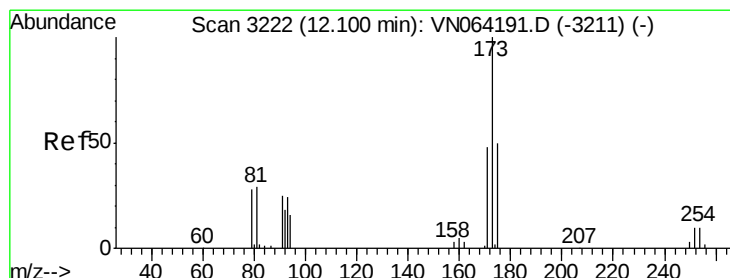
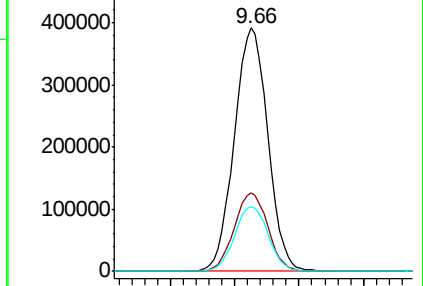
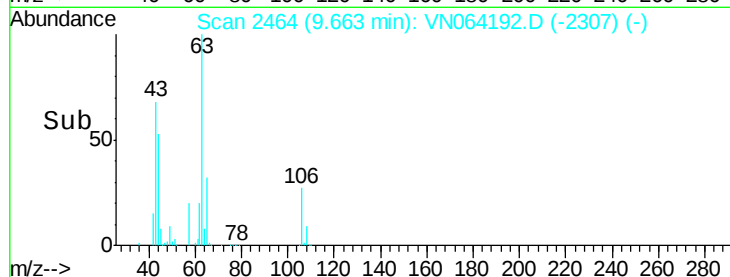


Abundance Ion 63.00 (62.70 to 63.70): VN064191.D (-2450) (-)

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: 53.047 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

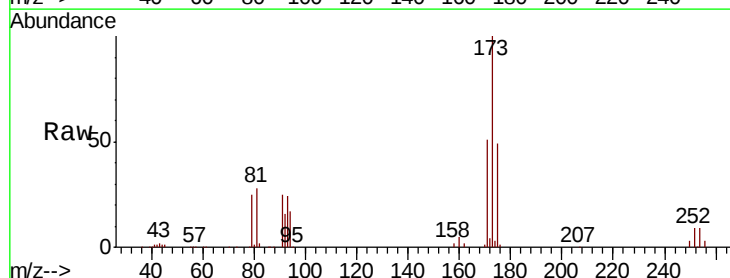
Tgt Ion: 173 Resp: 154884

Ion Ratio Lower Upper

173 100

175 48.0 39.0 58.4

254 8.3 6.8 10.2

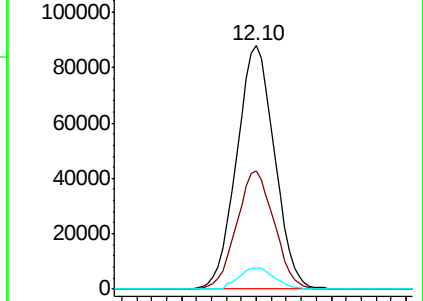
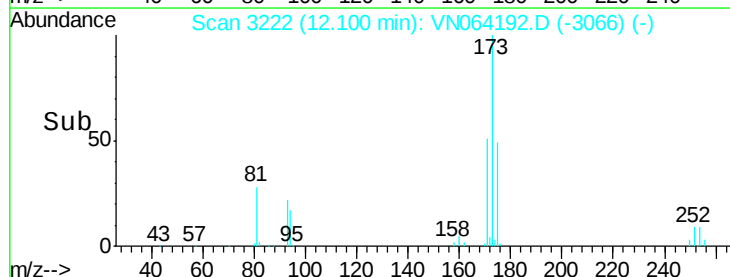


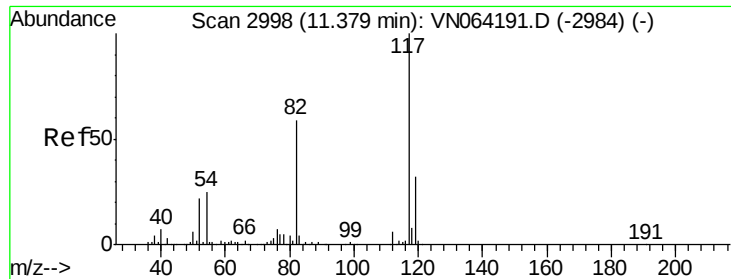
Abundance Ion 173.00 (172.70 to 173.70): VN064191.D (-3211) (-)

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

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

Time-->

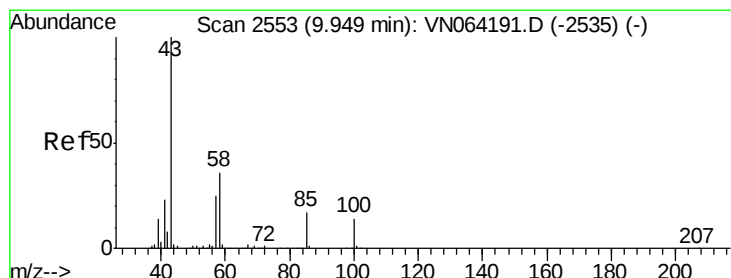
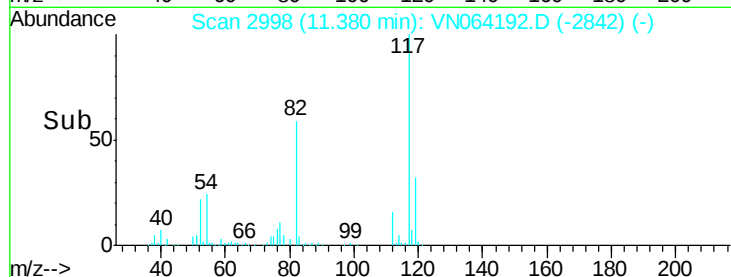
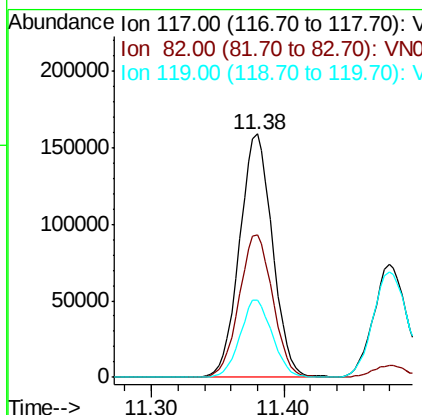
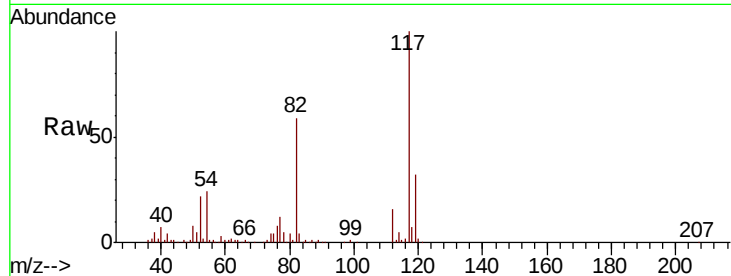




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

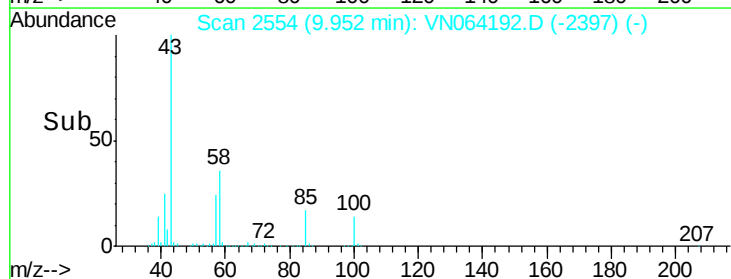
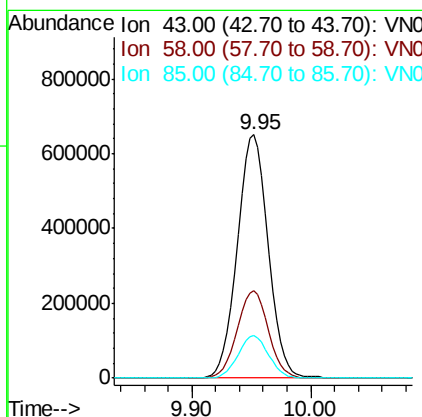
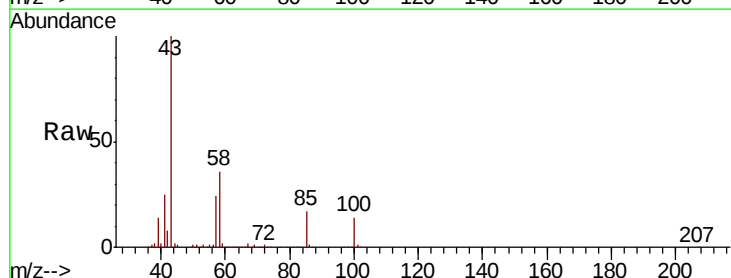
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

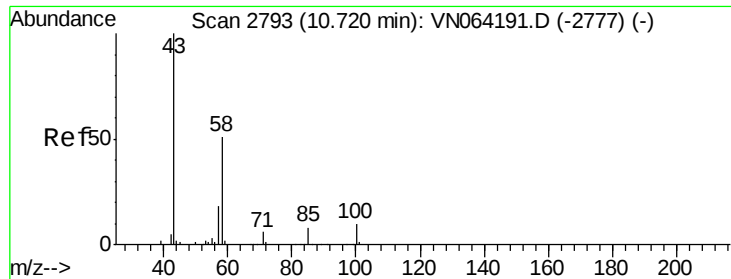
Tot Ion:117 Resp: 273775
Ion Ratio Lower Upper
117 100
82 60.1 47.8 71.8
119 31.2 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 233.988 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion: 43 Resp: 1164479
Ion Ratio Lower Upper
43 100
58 36.4 29.5 44.3
85 17.4 13.7 20.5

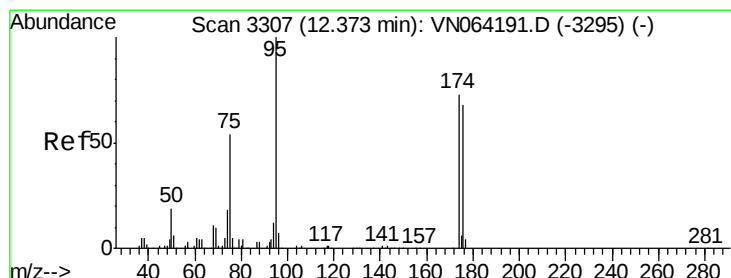
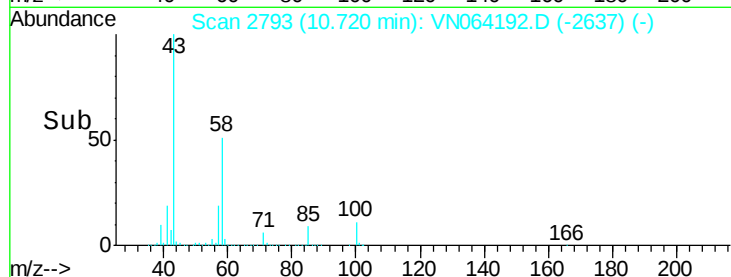
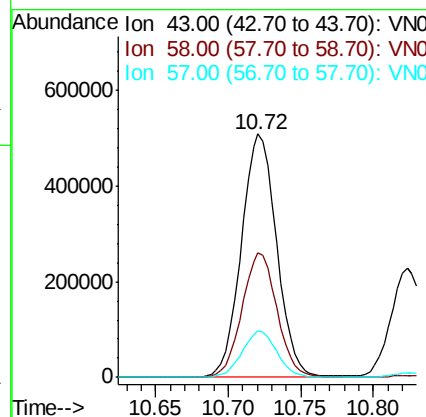
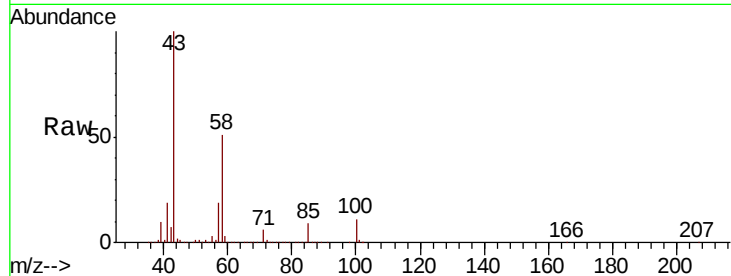




#59
2-Hexanone
Concen: 230.089 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

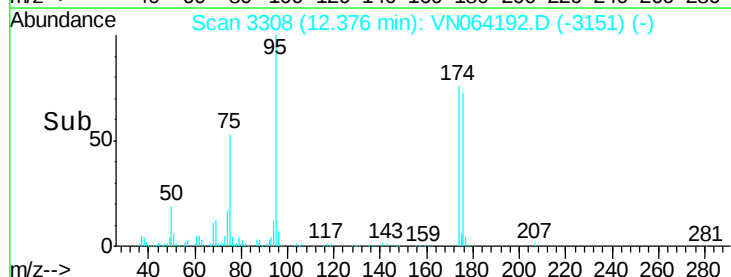
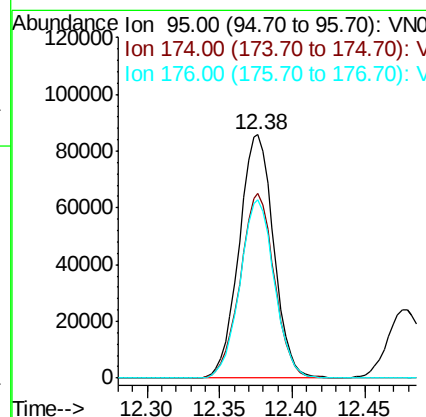
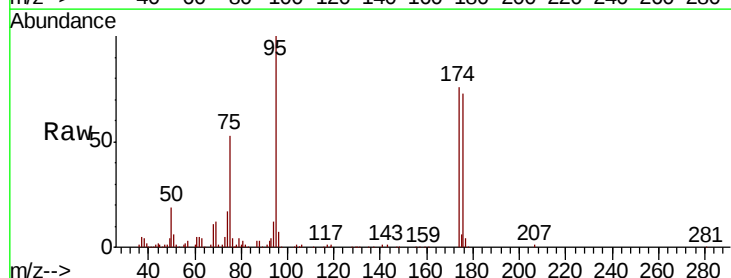
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

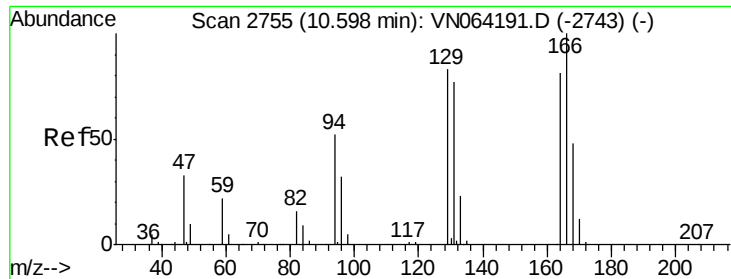
Tot Ion: 43 Resp: 855982
Ion Ratio Lower Upper
43 100
58 50.8 40.2 60.4
57 19.0 14.8 22.2



#60
4-Bromofluorobenzene
Concen: 29.795 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion: 95 Resp: 142179
Ion Ratio Lower Upper
95 100
174 74.8 57.6 86.4
176 72.5 54.9 82.3





#61

Tetrachloroethene

Concen: 53.953 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 181283

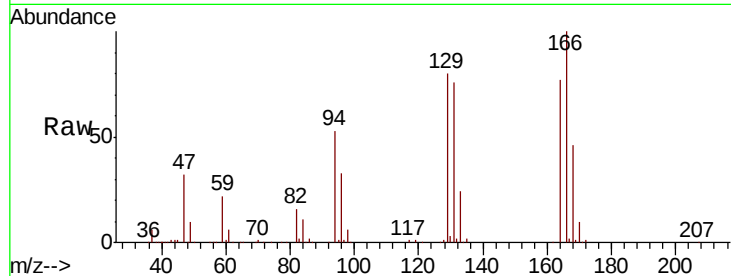
Ion Ratio Lower Upper

164 100

166 129.1 99.2 148.8

129 103.5 82.8 124.2

131 98.5 76.2 114.4

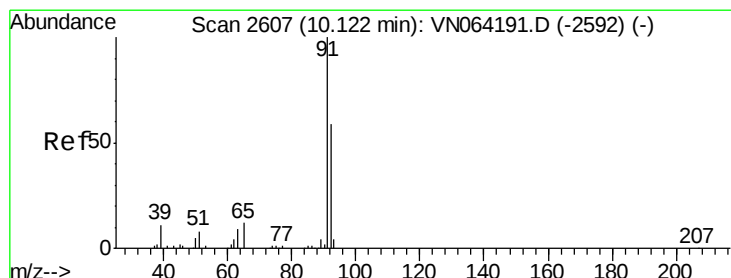
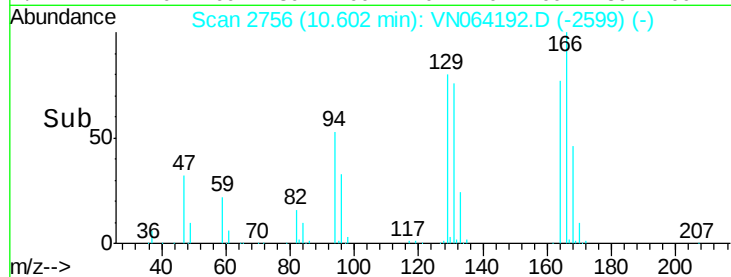
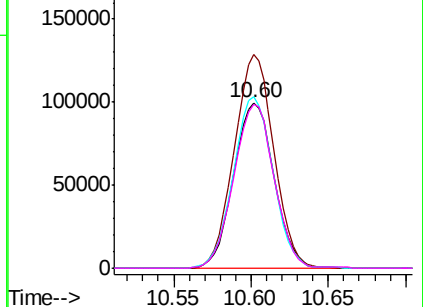


Abundance Ion 163.85 (163.55 to 164.55): V

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: 51.646 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN064192.D

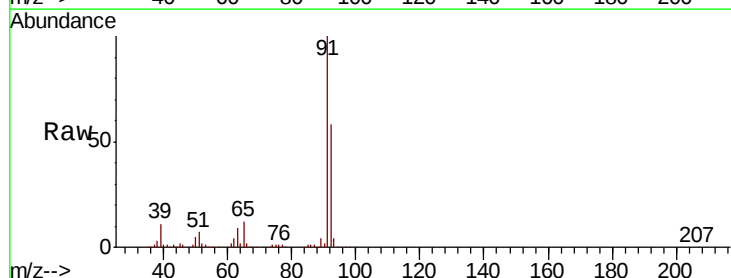
Acq: 20 Oct 2020 10:48

Tgt Ion: 91 Resp: 783258

Ion Ratio Lower Upper

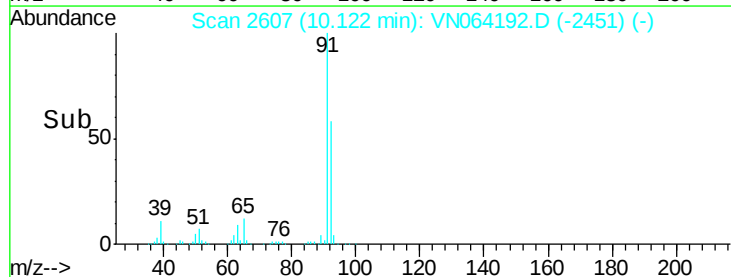
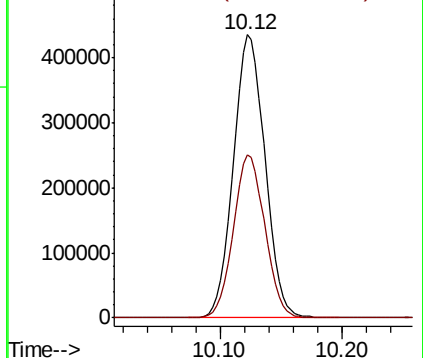
91 100

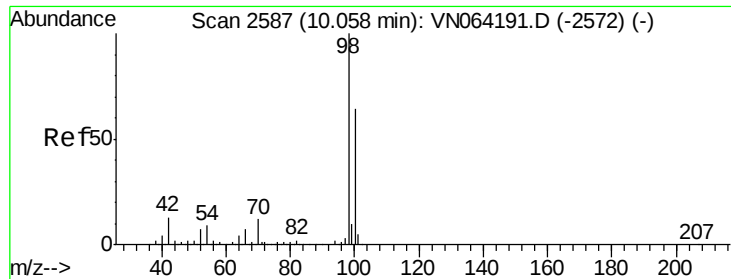
92 57.3 46.8 70.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.929 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

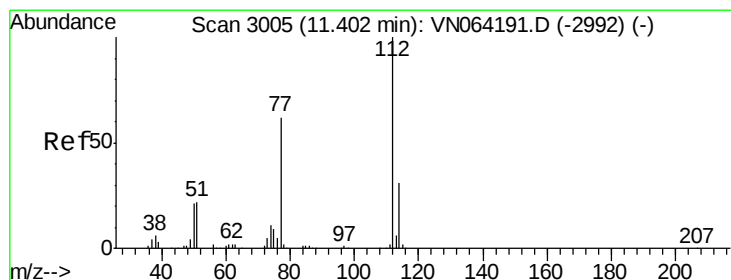
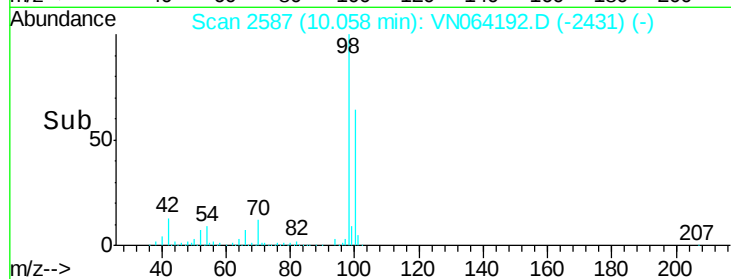
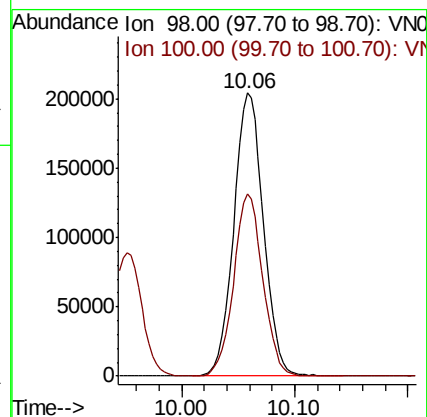
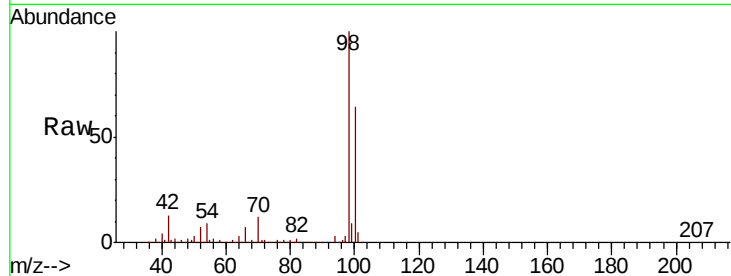
VSTDIC050

Tot Ion: 98 Resp: 371712

Ion Ratio Lower Upper

98 100

100 63.3 51.4 77.2



#64

Chlorobenzene

Concen: 51.806 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064192.D

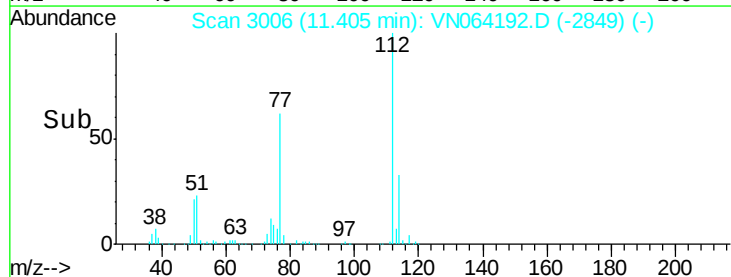
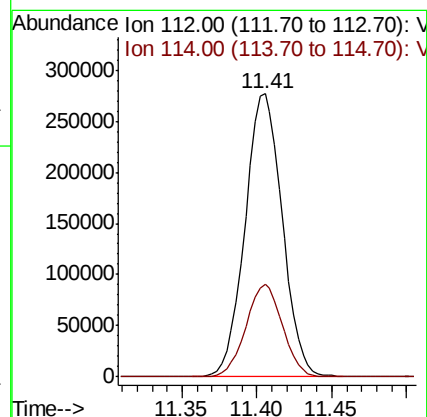
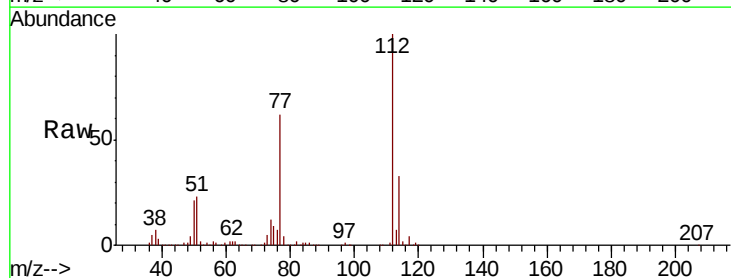
Acq: 20 Oct 2020 10:48

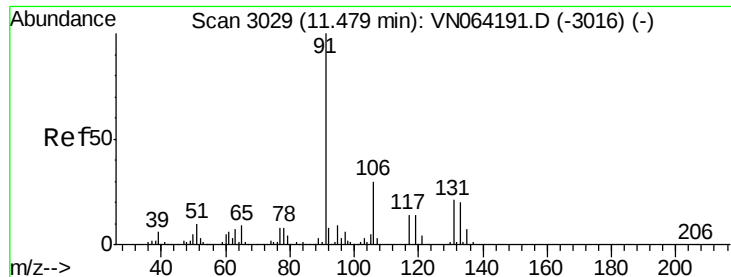
Tgt Ion: 112 Resp: 479572

Ion Ratio Lower Upper

112 100

114 32.7 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 53.569 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

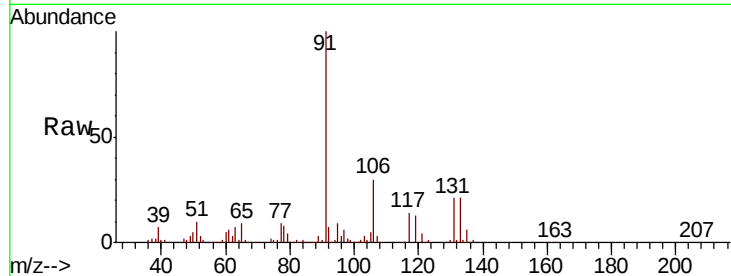
Tot Ion:131 Resp: 193288

Ion Ratio Lower Upper

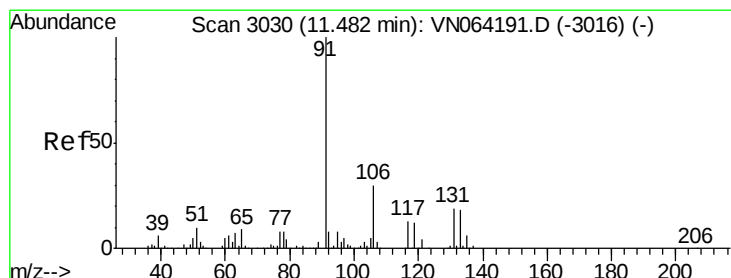
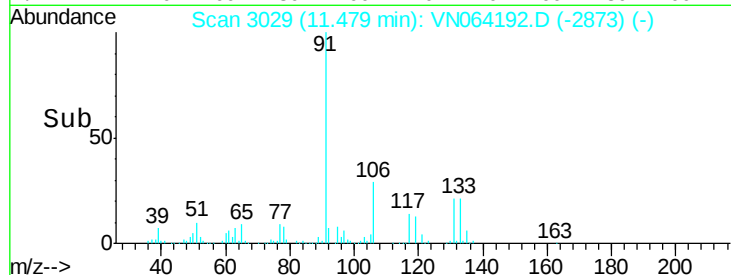
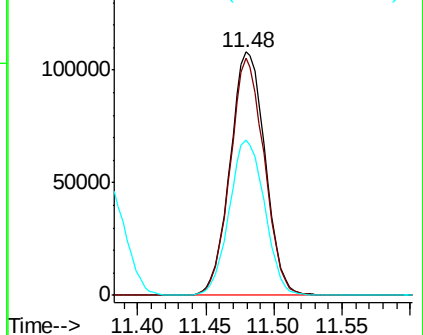
131 100

133 94.8 0.0 193.0

119 64.2 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 53.549 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064192.D

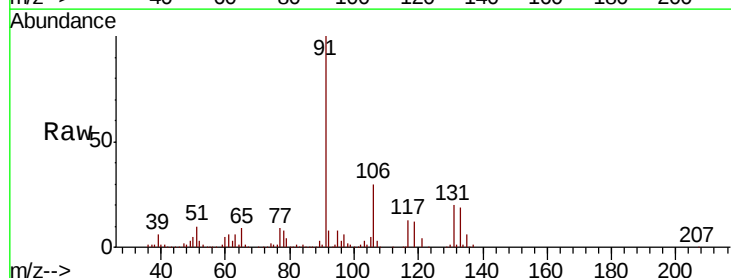
Acq: 20 Oct 2020 10:48

Tgt Ion: 91 Resp: 903858

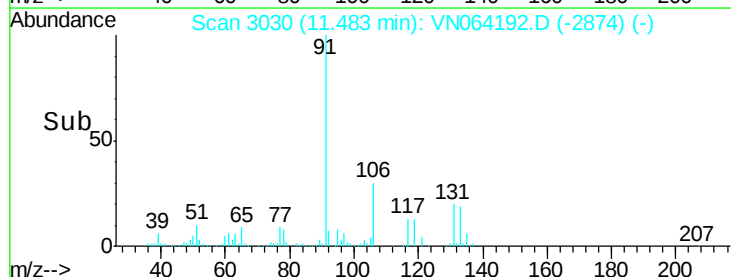
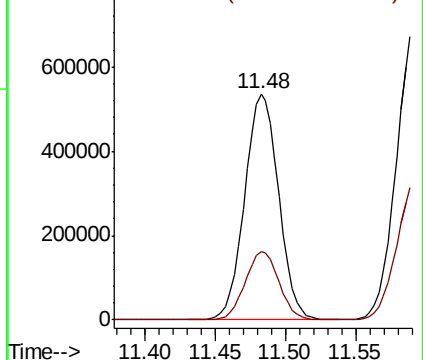
Ion Ratio Lower Upper

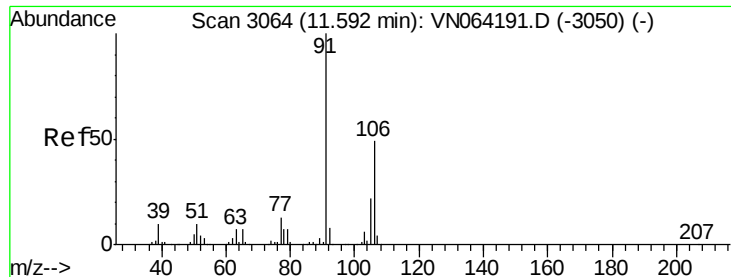
91 100

106 30.2 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xvlenes

Concen: 105.801 ug/l

RT: 11.60 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

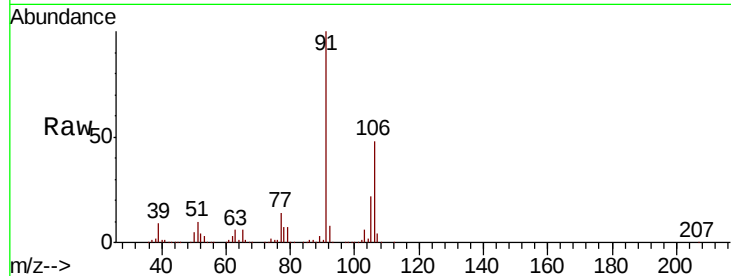
VSTDIC050

Tot Ion:106 Resp: 660322

Ion Ratio Lower Upper

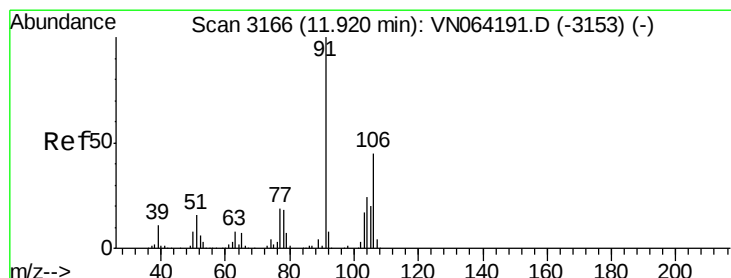
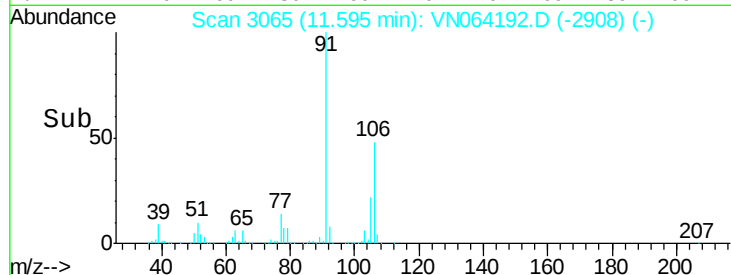
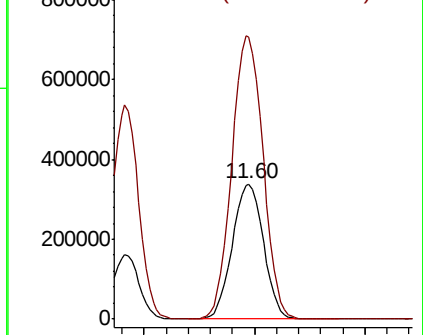
106 100

91 210.2 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 54.181 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. 0.00 min

Lab File: VN064192.D

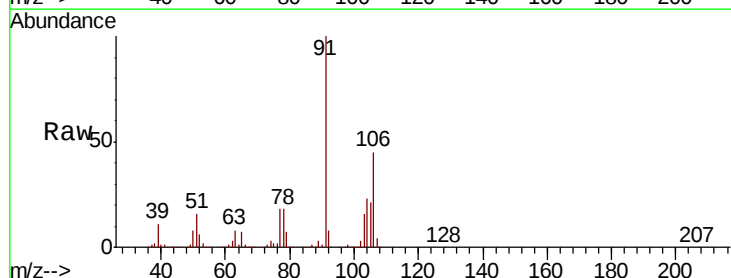
Acq: 20 Oct 2020 10:48

Tgt Ion:106 Resp: 323514

Ion Ratio Lower Upper

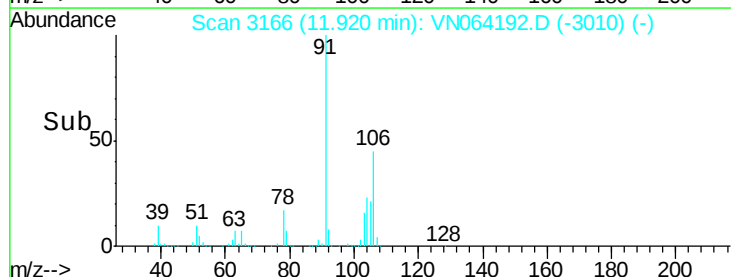
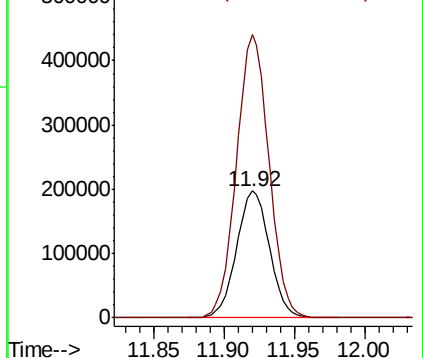
106 100

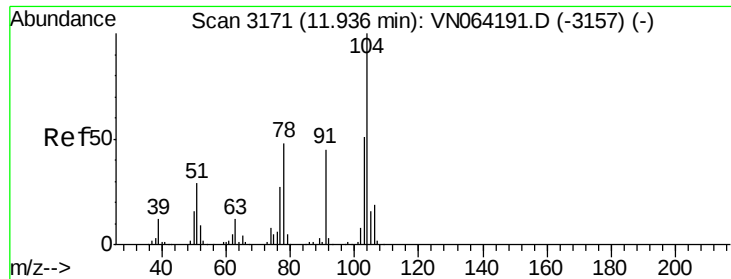
91 220.2 113.9 341.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

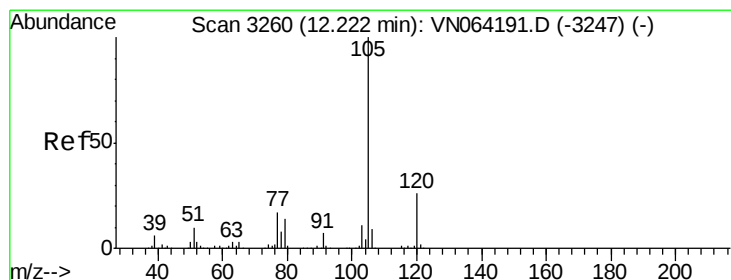
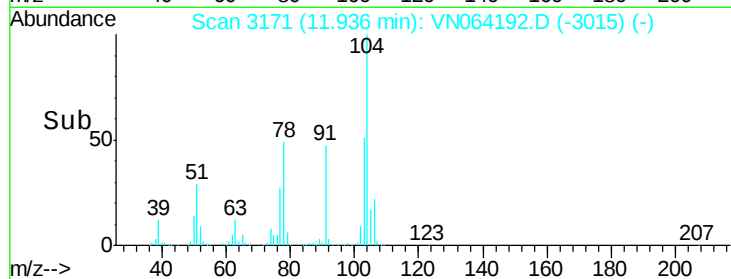
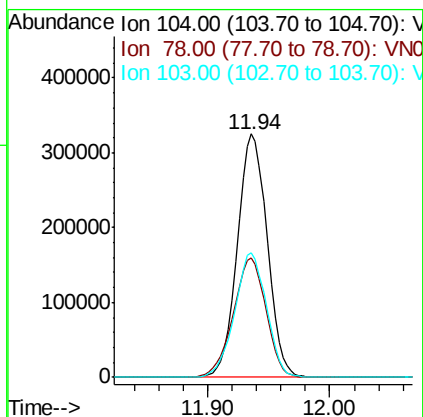
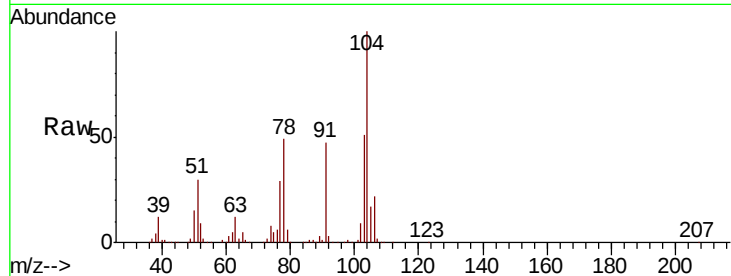




#69
Stvrene
Concen: 53.820 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

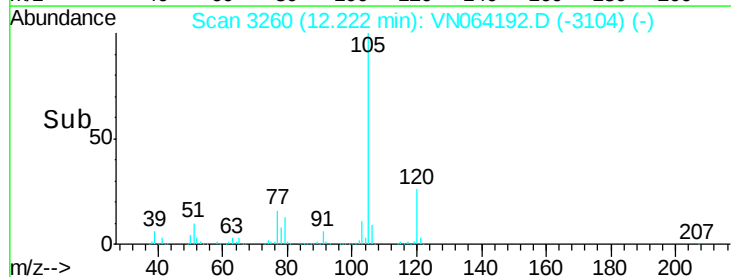
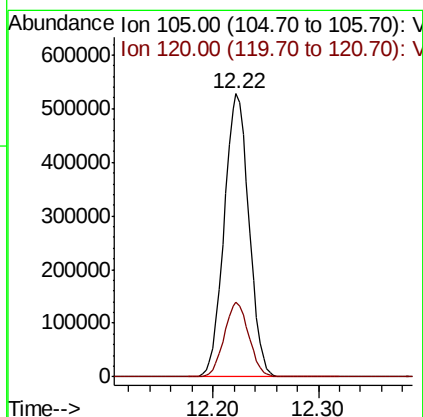
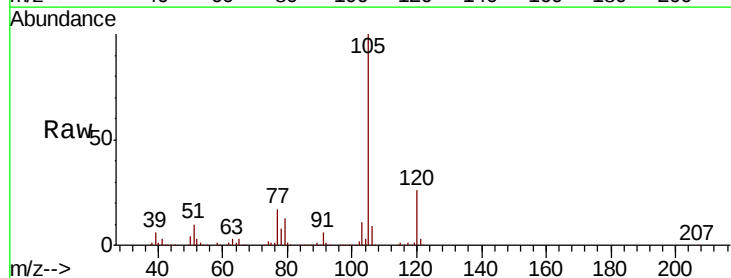
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

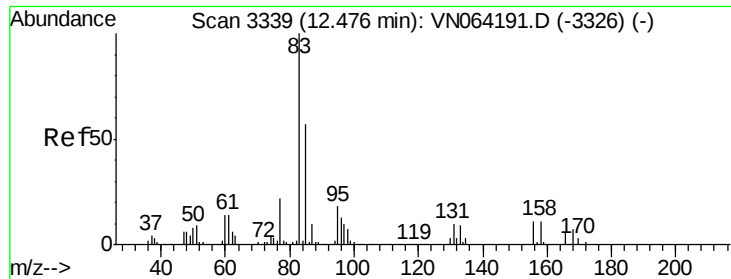
Tot Ion:104 Resp: 548670
Ion Ratio Lower Upper
104 100
78 54.0 43.6 65.4
103 54.4 44.8 67.2



#70
Isopropylbenzene
Concen: 53.822 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion:105 Resp: 856131
Ion Ratio Lower Upper
105 100
120 26.2 18.1 33.7

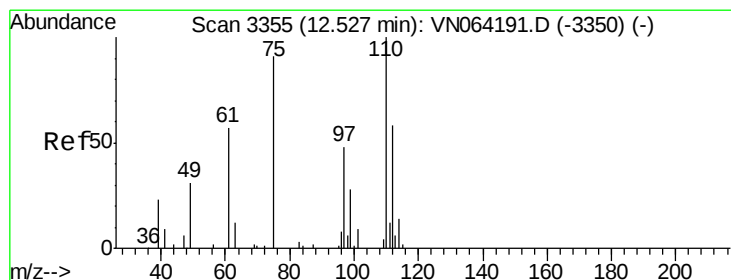
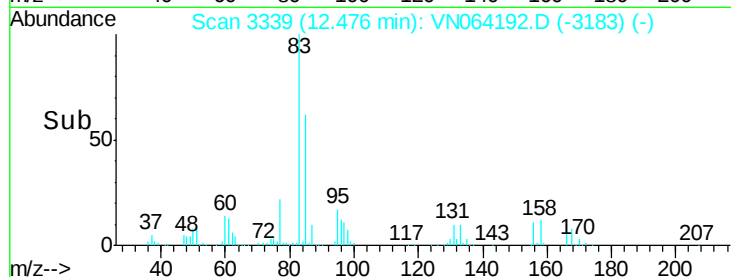
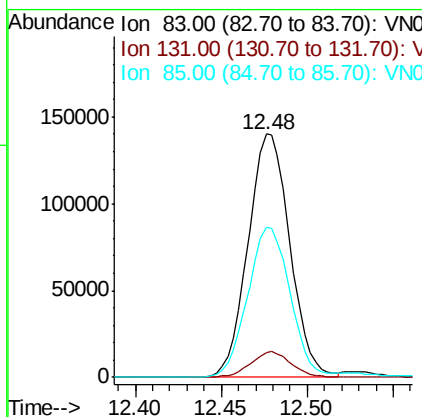
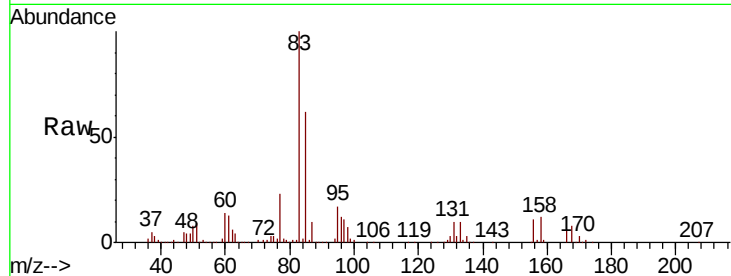




#71
 1,1,2,2-Tetrachloroethane
 Concen: 48.527 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

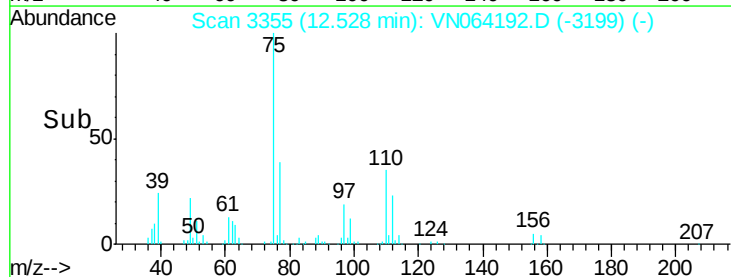
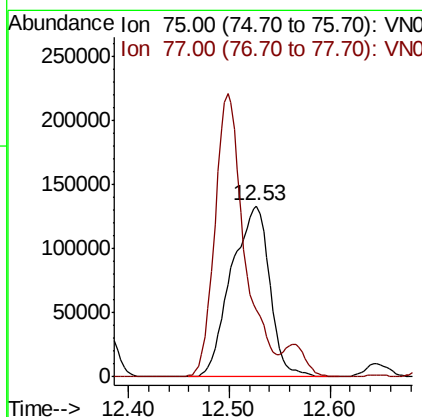
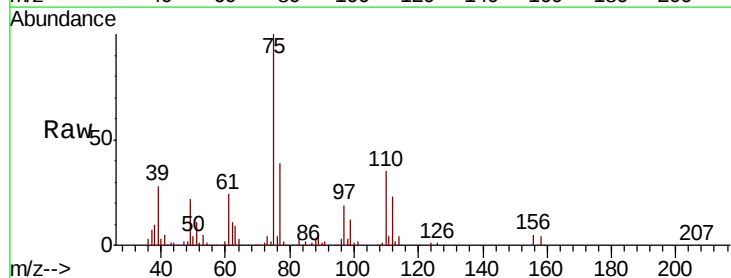
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

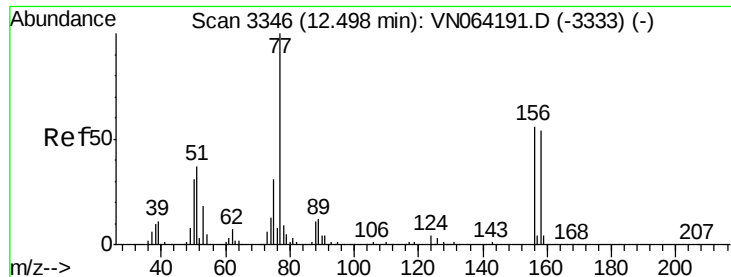
Tot Ion	83	Resp	236889
Ion Ratio	100	Lower	Upper
83	100		
131	10.2	5.5	16.4
85	62.5	30.8	92.4



#72
 1,2,3-Trichloropropane
 Concen: 72.221 ug/l
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Tgt Ion	75	Resp	352096
Ion Ratio	100	Lower	Upper
75	100		
77	128.1	0.0	417.6





#73

Bromobenzene

Concen: 51.123 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

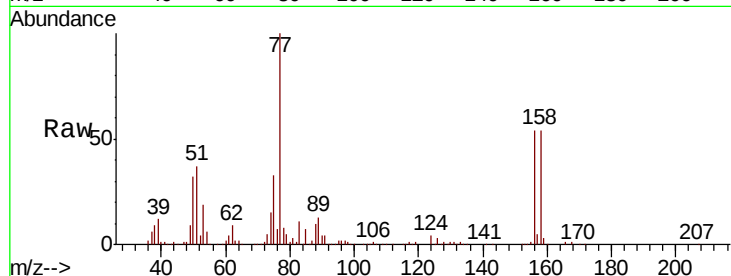
Tot Ion:156 Resp: 205943

Ion Ratio Lower Upper

156 100

77 219.0 0.0 429.8

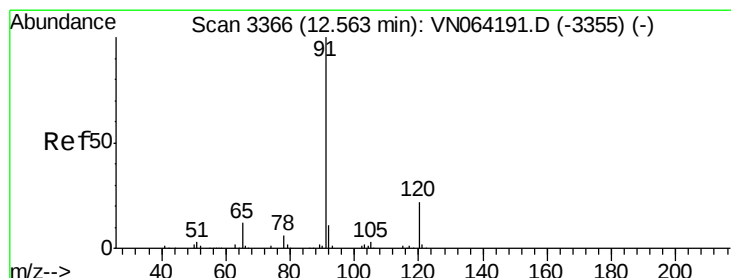
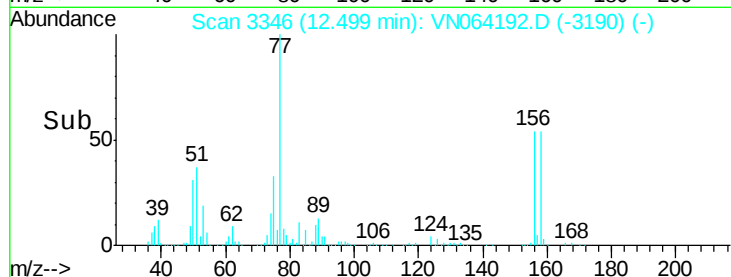
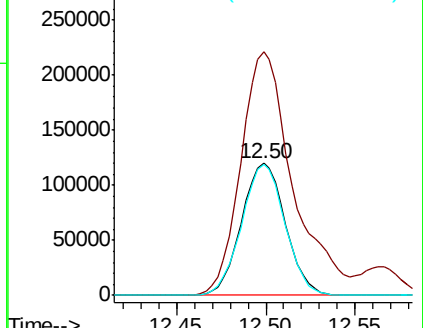
158 98.3 0.0 190.6



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: 52.576 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064192.D

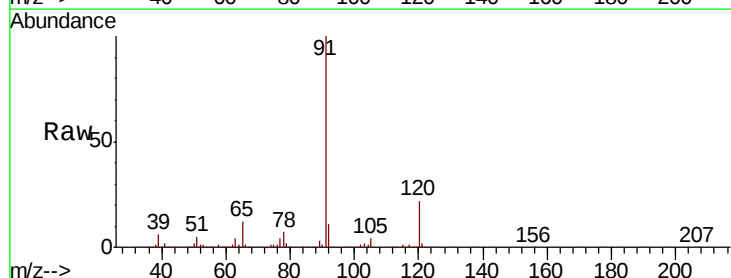
Acq: 20 Oct 2020 10:48

Tgt Ion: 91 Resp: 973060

Ion Ratio Lower Upper

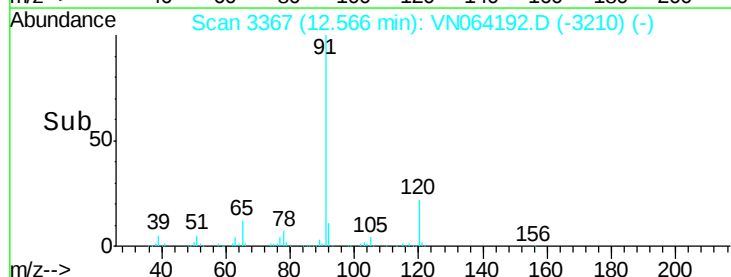
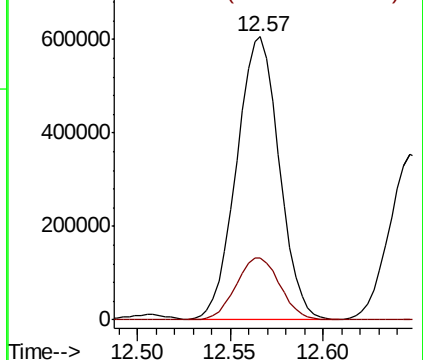
91 100

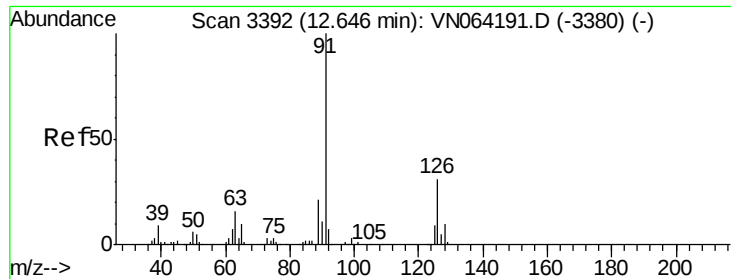
120 22.5 0.0 43.8



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 52.517 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

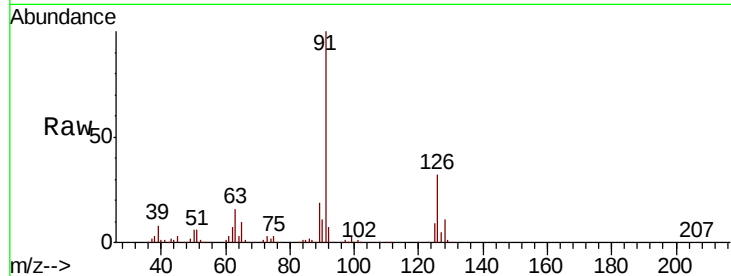
VSTDIC050

Tot Ion: 91 Resp: 593430

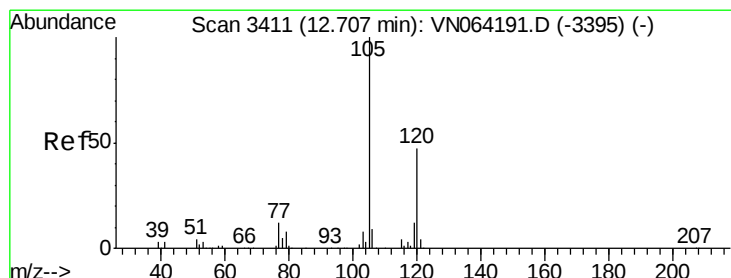
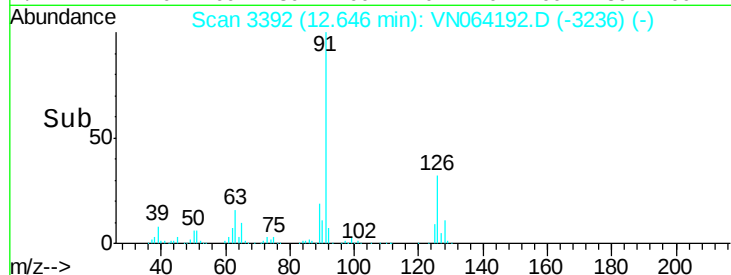
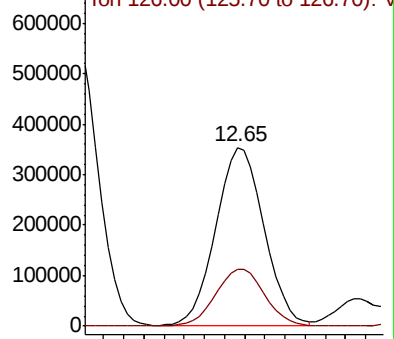
Ion Ratio Lower Upper

91 100

126 32.6 0.0 62.4



Abundance Ion 91.00 (90.70 to 91.70): VN064192.D (-3392) (-)



#76

1,3,5-Trimethylbenzene

Concen: 54.561 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064192.D

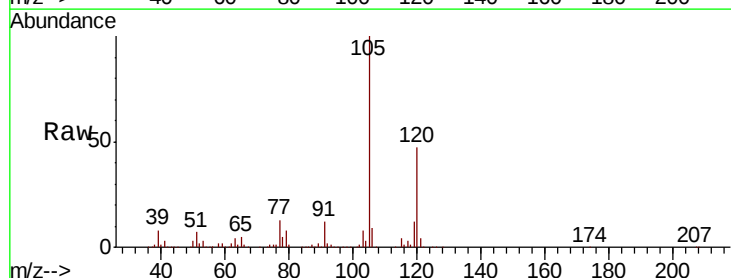
Acq: 20 Oct 2020 10:48

Tgt Ion: 105 Resp: 732689

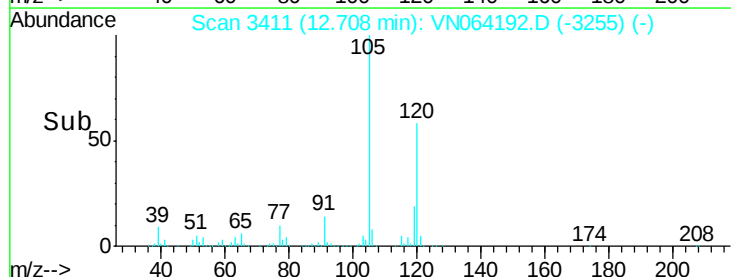
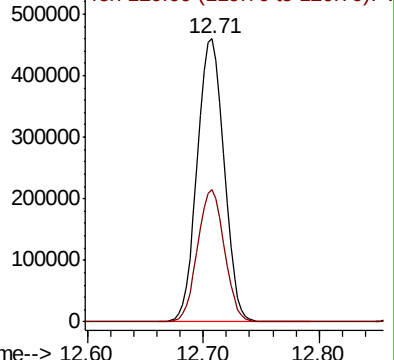
Ion Ratio Lower Upper

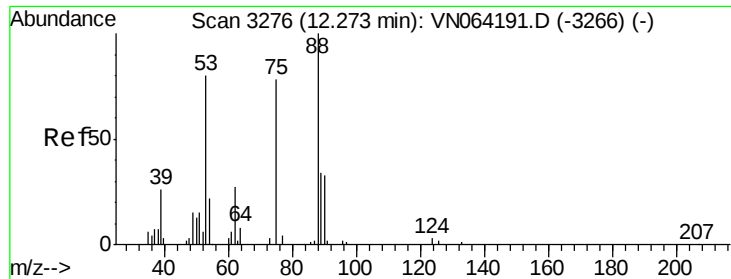
105 100

120 46.5 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064192.D (-3411) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 50.911 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

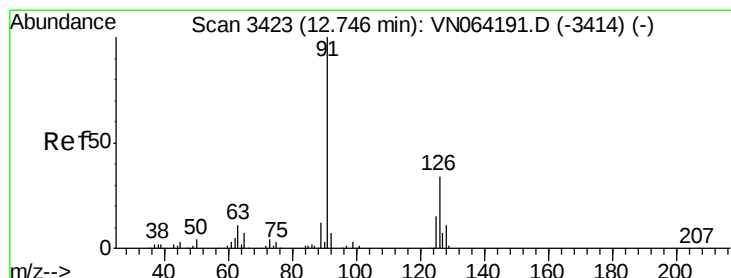
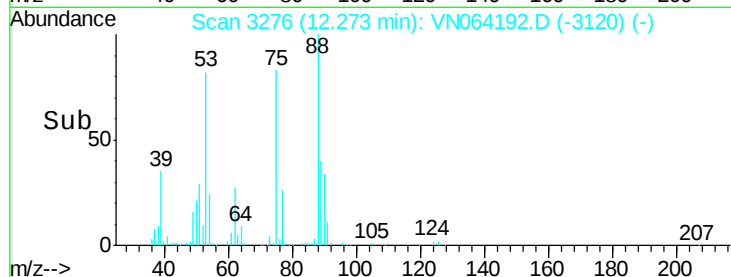
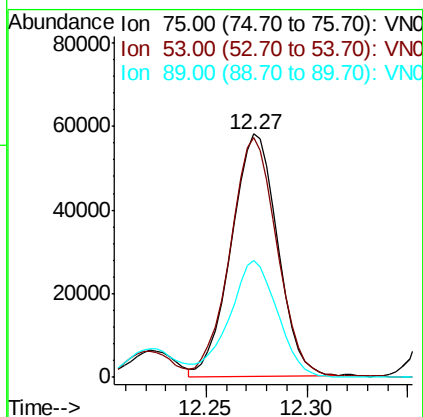
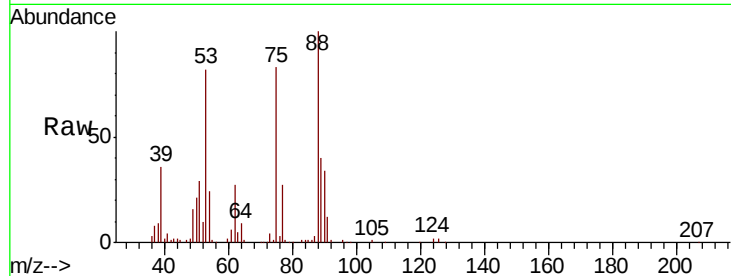
Tot Ion: 75 Resp: 92639

Ion Ratio Lower Upper

75 100

53 98.4 51.4 154.2

89 48.4 23.8 71.5



#78

4-Chlorotoluene

Concen: 52.618 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064192.D

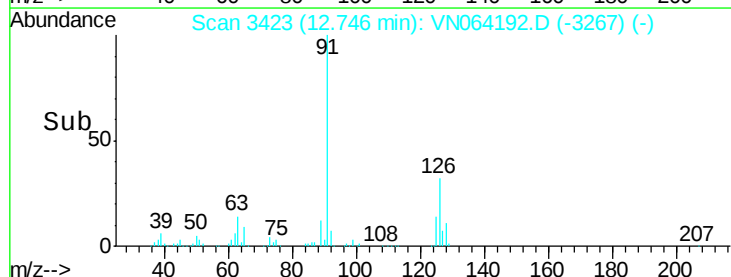
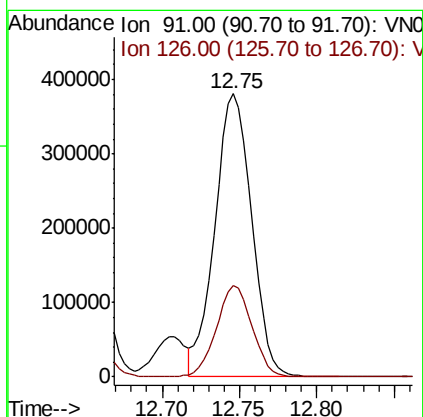
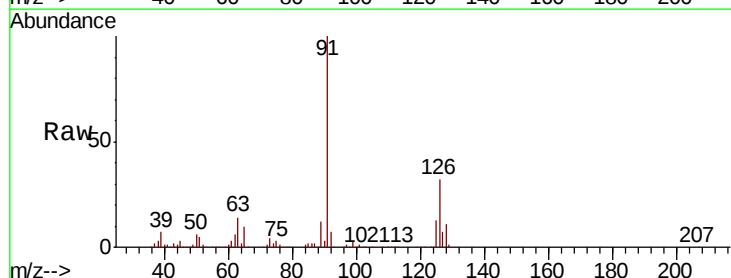
Acq: 20 Oct 2020 10:48

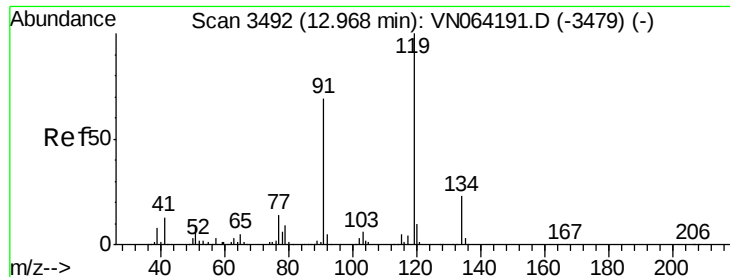
Tgt Ion: 91 Resp: 626740

Ion Ratio Lower Upper

91 100

126 31.3 0.0 63.2

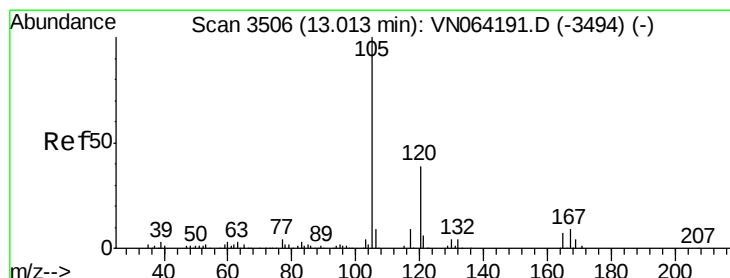
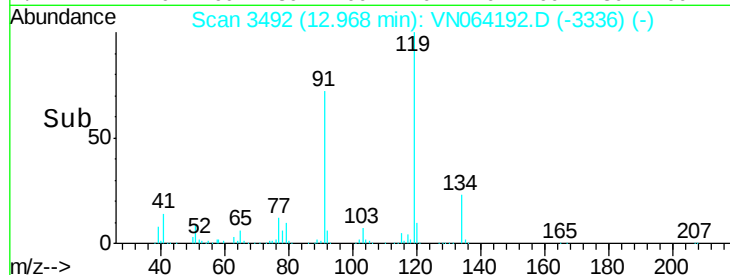
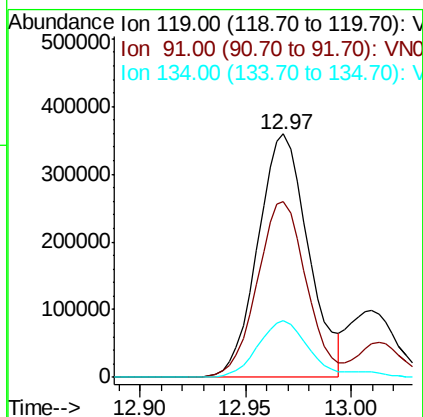
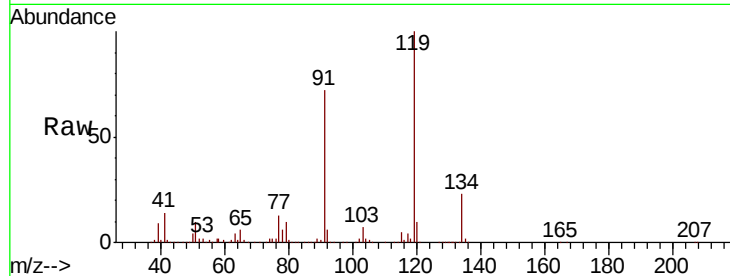




#79
tert-butylbenzene
Concen: 55.197 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

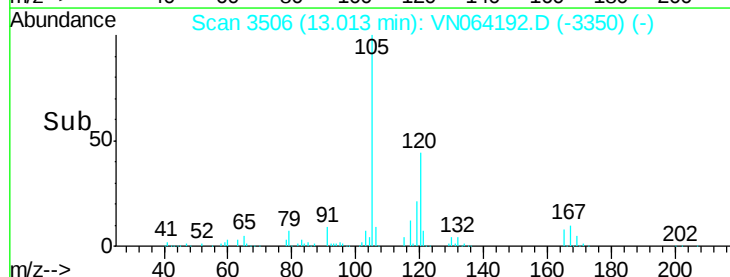
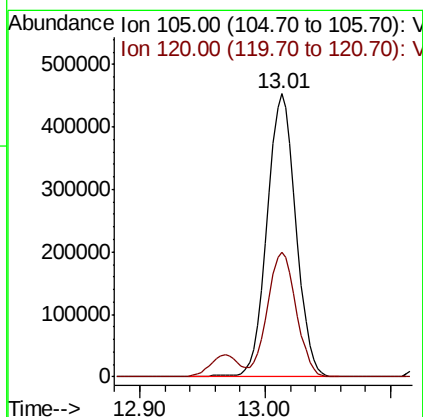
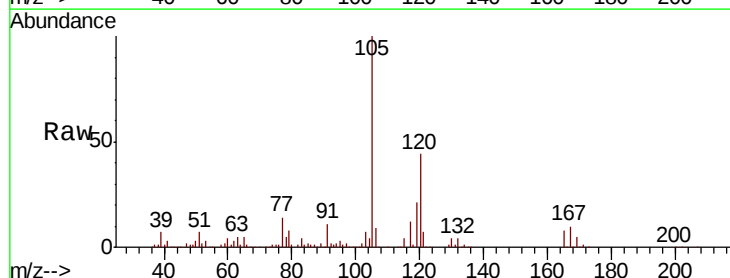
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

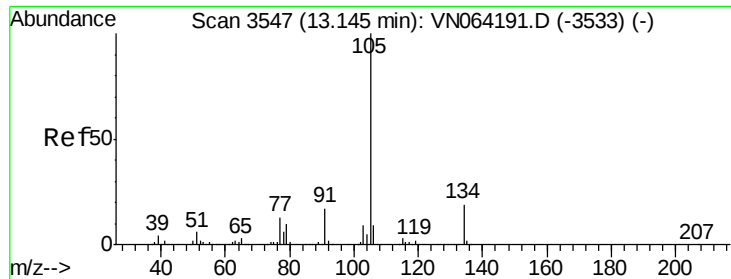
Tot Ion:119 Resp: 598148
Ion Ratio Lower Upper
119 100
91 70.6 0.0 143.2
134 23.0 0.0 49.2



#80
1,2,4-Trimethylbenzene
Concen: 53.591 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion:105 Resp: 723598
Ion Ratio Lower Upper
105 100
120 44.2 0.0 85.8

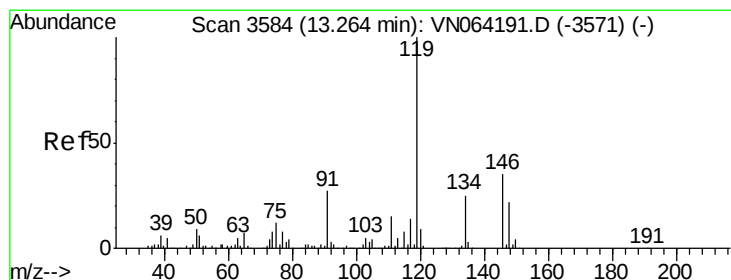
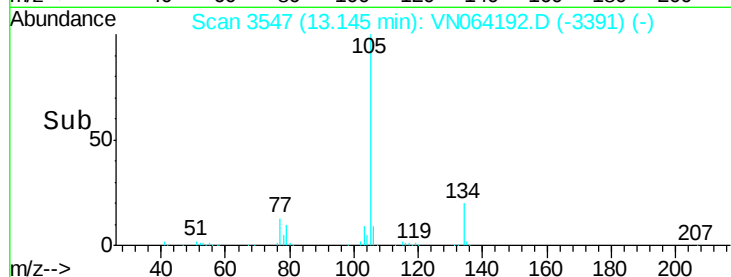
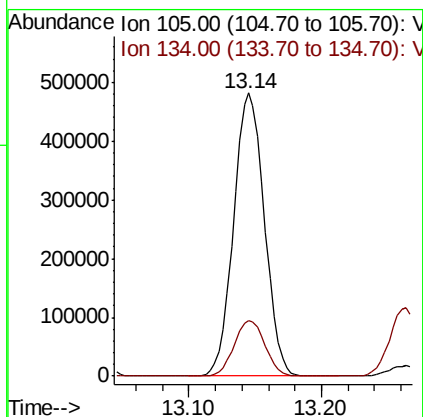
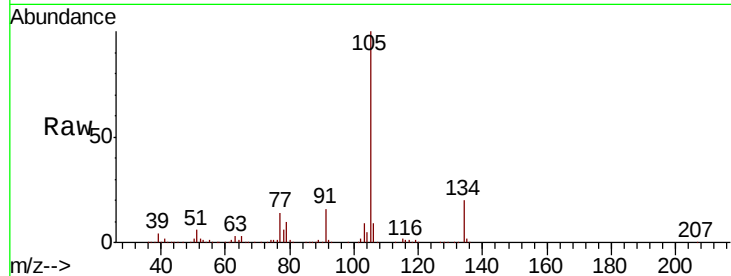




#81
 sec-Butylbenzene
 Concen: 54.439 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

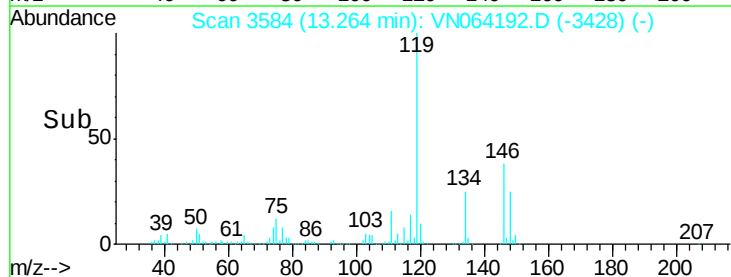
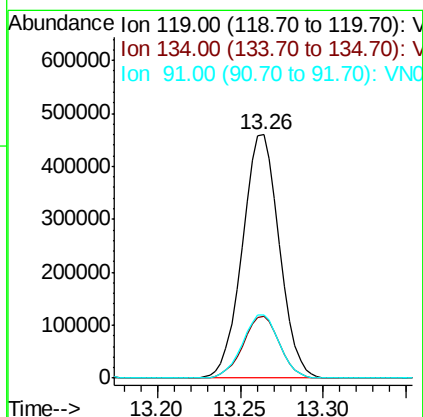
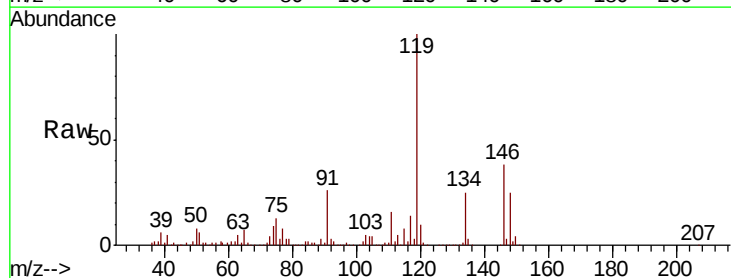
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

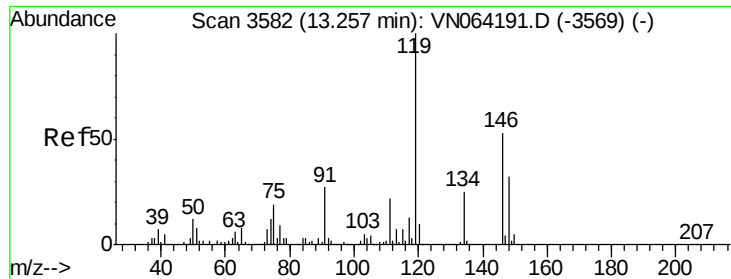
Tot Ion:105 Resp: 773318
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 38.4



#82
 p-Isopropyltoluene
 Concen: 54.919 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Tgt Ion:119 Resp: 711459
 Ion Ratio Lower Upper
 119 100
 134 25.3 0.0 51.4
 91 25.9 0.0 52.8

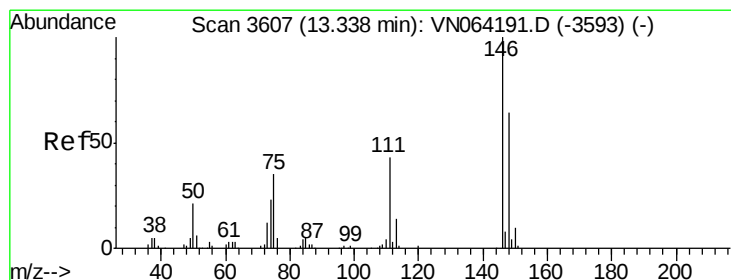
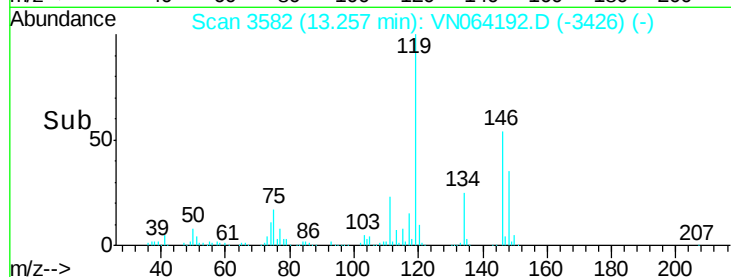
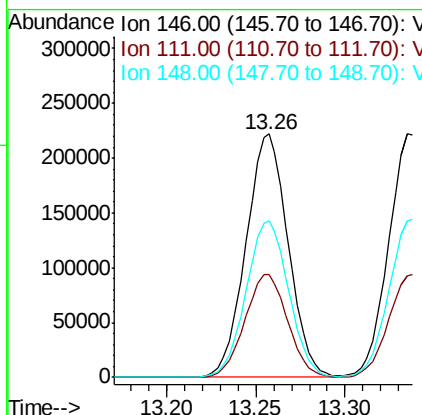
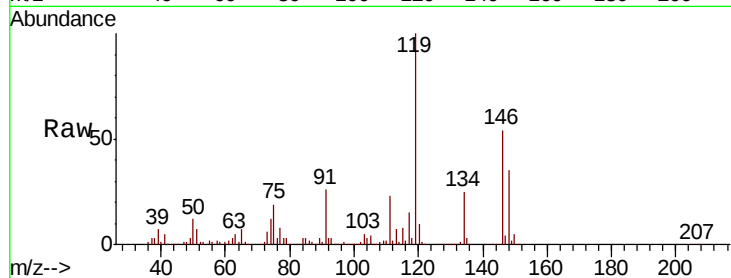




#83
 1,3-Dichlorobenzene
 Concen: 51.658 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

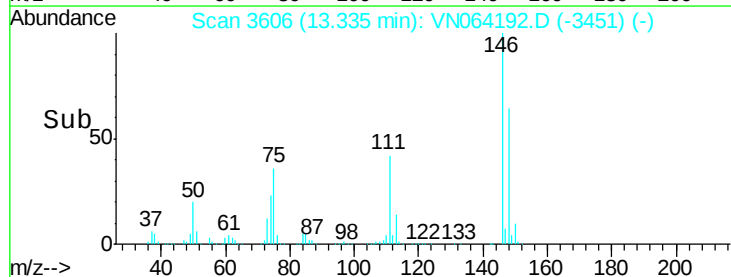
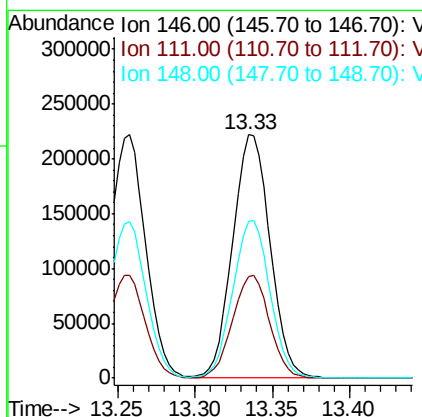
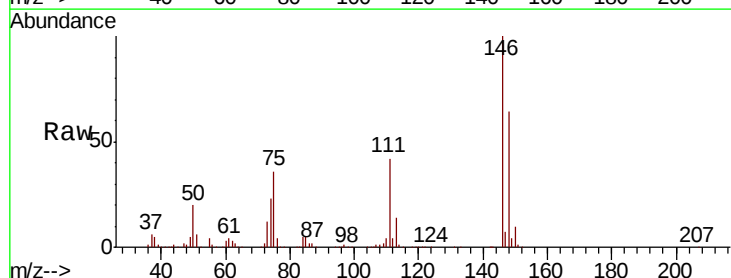
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

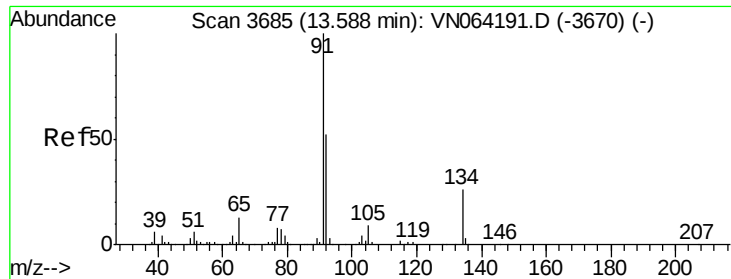
Tot Ion:146 Resp: 366876
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.8 65.4
 148 64.7 31.4 94.2



#84
 1,4-Dichlorobenzene
 Concen: 52.260 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Tgt Ion:146 Resp: 371438
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.9 62.8
 148 64.4 30.9 92.7

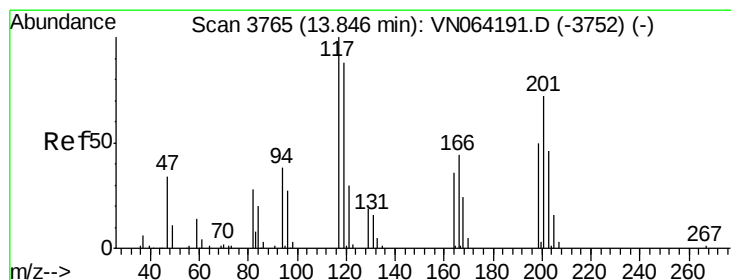
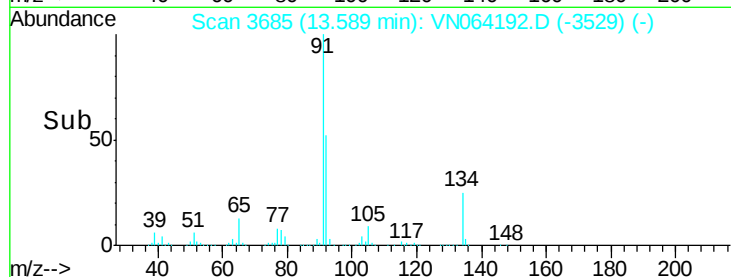
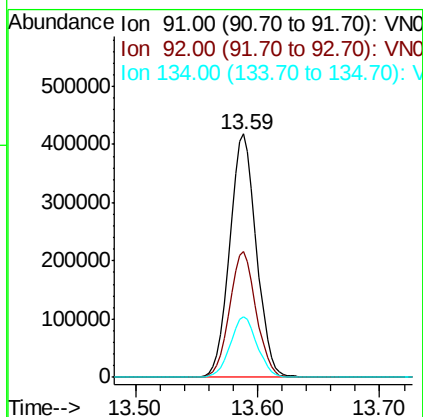
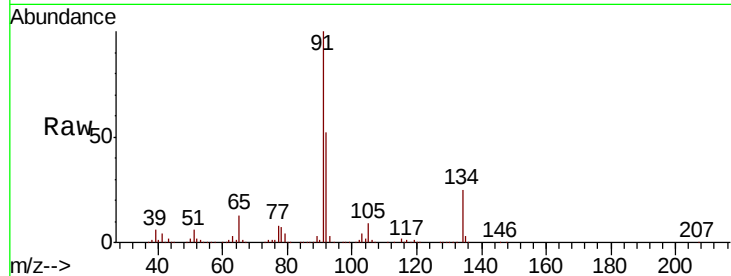




#85
n-Butylbenzene
Concen: 56.169 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

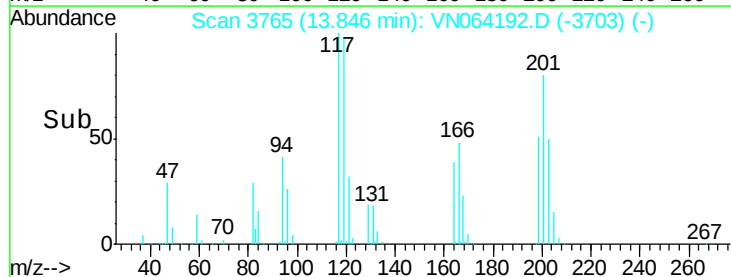
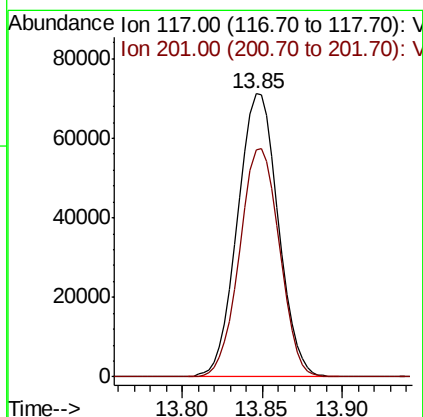
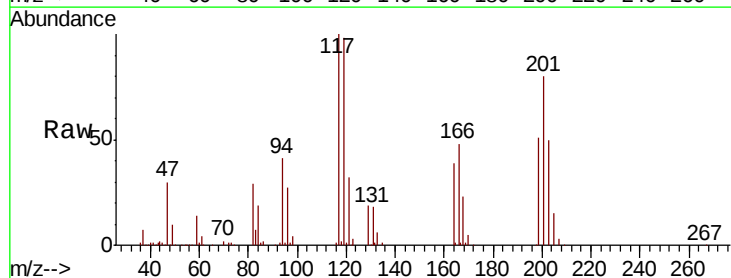
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

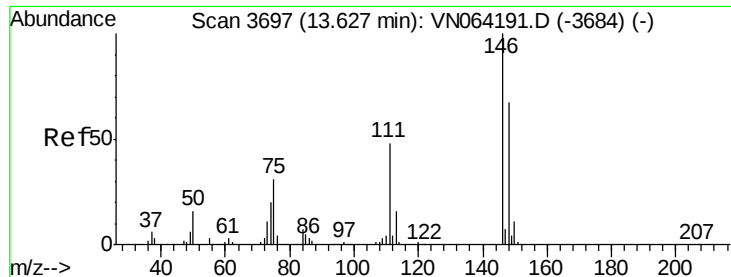
Tot Ion: 91 Resp: 635884
Ion Ratio Lower Upper
91 100
92 51.7 0.0 104.8
134 25.1 0.0 49.8



#86
Hexachloroethane
Concen: 55.312 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion: 117 Resp: 123412
Ion Ratio Lower Upper
117 100
201 79.0 37.5 112.3





#87

1,2-Dichlorobenzene

Concen: 51.700 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

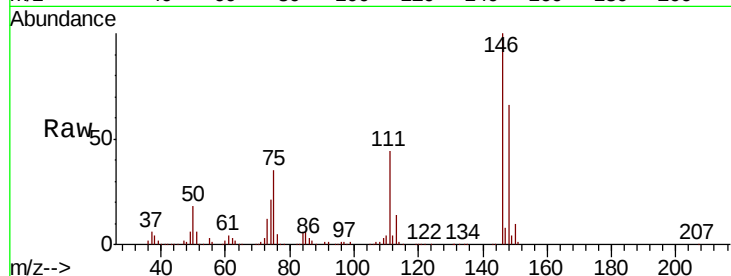
Tot Ion:146 Resp: 357737

Ion Ratio Lower Upper

146 100

111 44.4 22.6 67.8

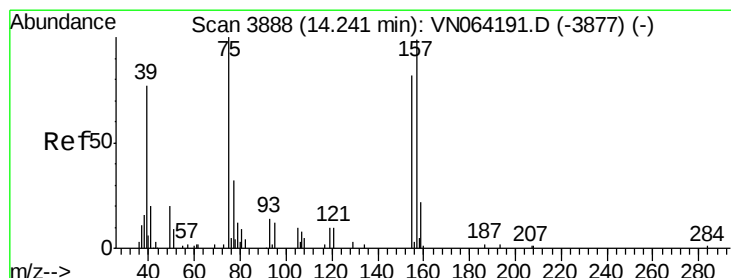
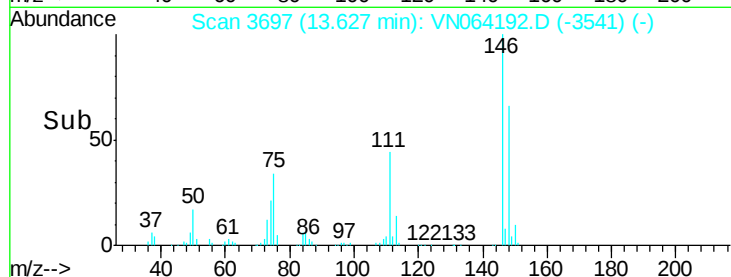
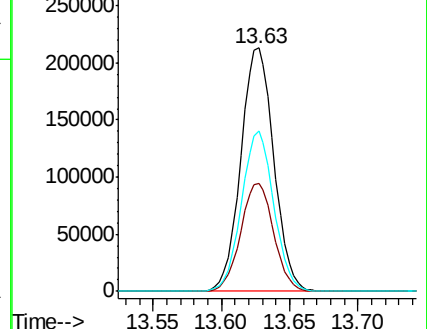
148 64.4 32.6 97.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 49.958 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN064192.D

Acq: 20 Oct 2020 10:48

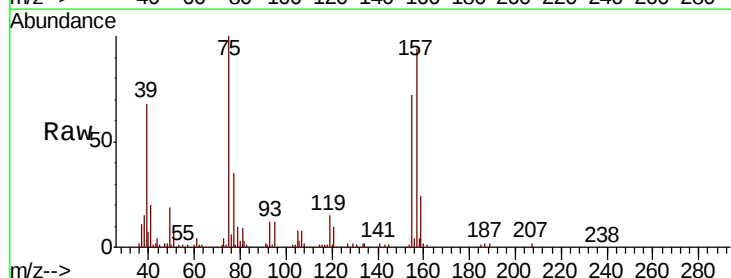
Tgt Ion: 75 Resp: 58515

Ion Ratio Lower Upper

75 100

155 74.2 61.1 91.7

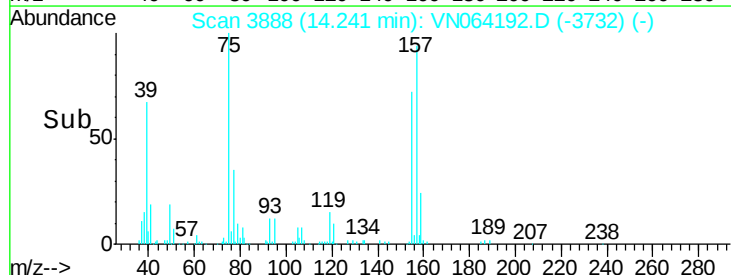
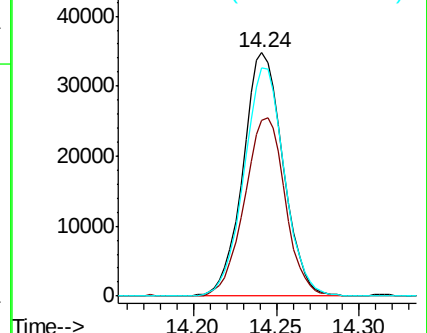
157 94.4 76.5 114.7

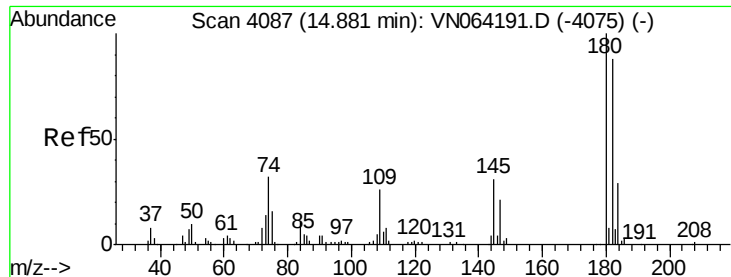


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

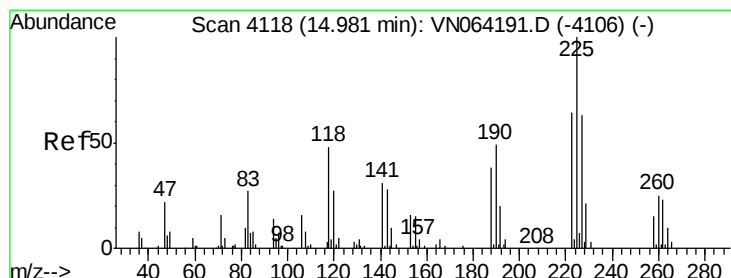
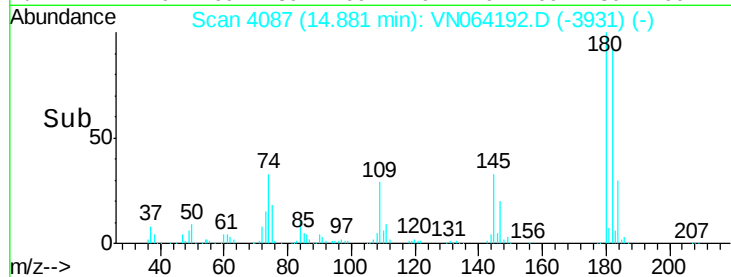
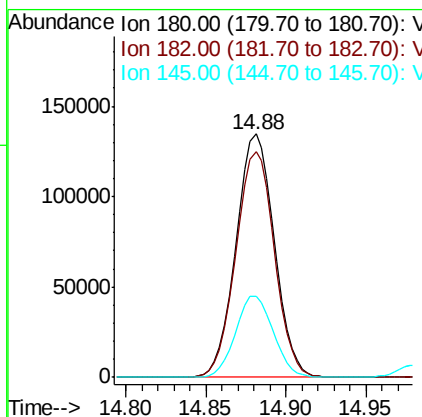
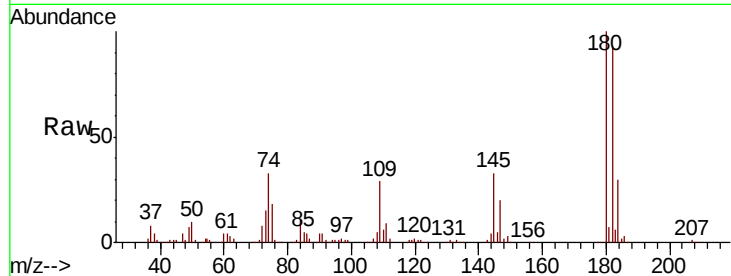




#89
 1,2,4-Trichlorobenzene
 Concen: 59.480 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

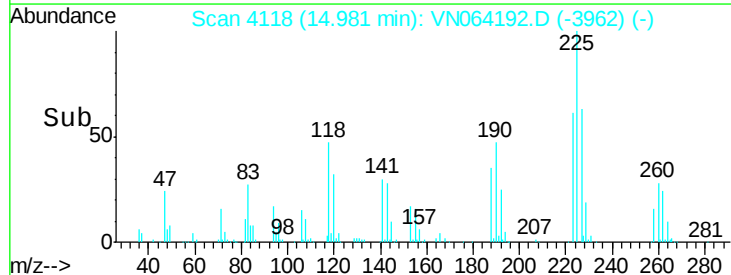
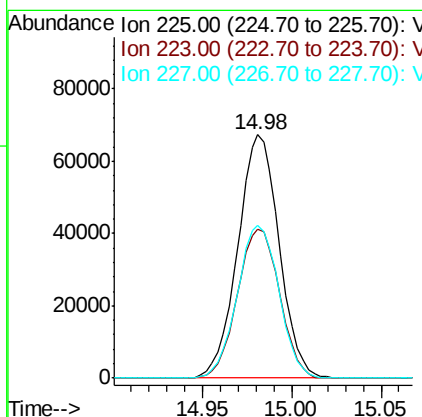
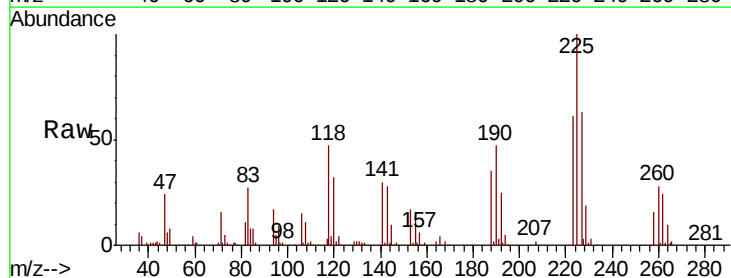
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

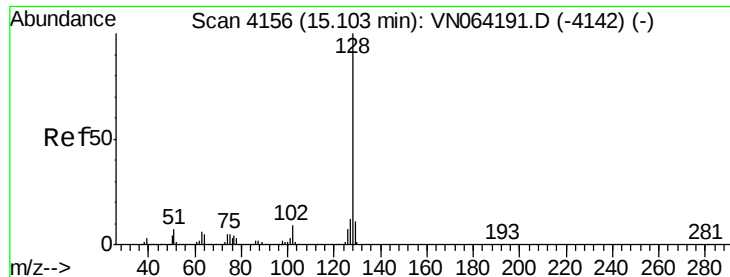
Tot Ion:180 Resp: 219670
 Ion Ratio Lower Upper
 180 100
 182 93.5 73.0 109.4
 145 33.0 24.3 36.5



#90
 Hexachlorobutadiene
 Concen: 56.795 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064192.D
 Acq: 20 Oct 2020 10:48

Tgt Ion:225 Resp: 108523
 Ion Ratio Lower Upper
 225 100
 223 62.6 0.0 127.0
 227 63.2 0.0 129.4

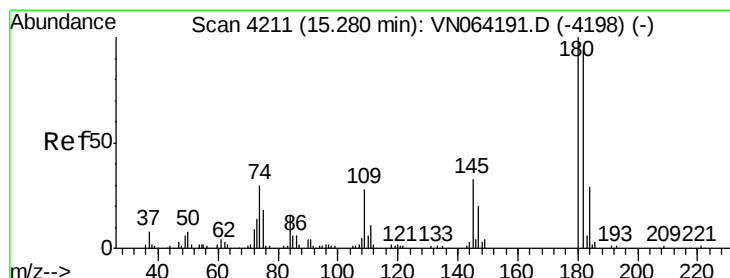
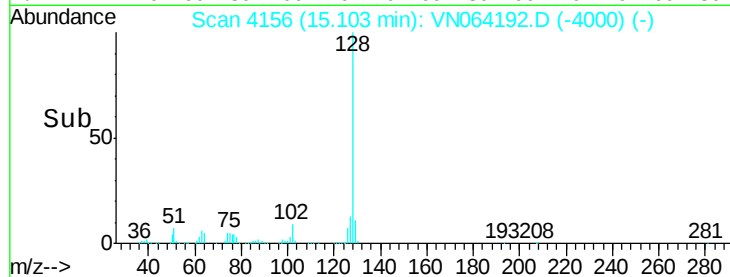
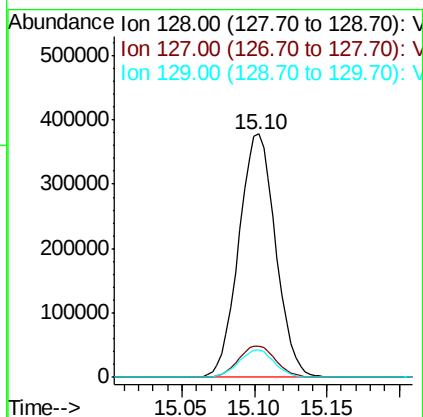
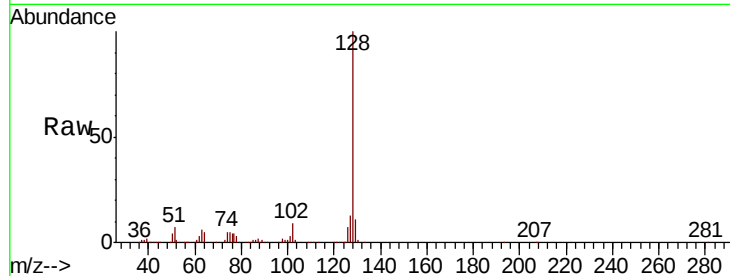




#91
Naphthalene
Concen: 60.012 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:128 Resp: 667257
Ion Ratio Lower Upper
128 100
127 13.1 10.1 15.1
129 10.9 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 59.245 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064192.D
Acq: 20 Oct 2020 10:48

Tgt Ion:180 Resp: 210220
Ion Ratio Lower Upper
180 100
182 95.1 0.0 190.0
145 32.9 0.0 66.6

