

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064193.D
 Acq On : 20 Oct 2020 11:11
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 20 11:30:03 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	53440	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	297991	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	269715	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	128740	27.17	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	90.57%
60) 4-Bromofluorobenzene	12.38	95	145794	31.01	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.37%
63) Toluene-d8	10.06	98	359170	29.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	400283	114.659	ug/l 93
3) Chloromethane	2.04	50	394608	108.881	ug/l 100
4) Vinyl Chloride	2.16	62	388111	107.646	ug/l 98
5) Bromomethane	2.52	94	230923	101.083	ug/l 99
6) Chloroethane	2.67	64	220342	98.771	ug/l 99
7) Trichlorofluoromethane	2.98	101	604546	104.735	ug/l 97
8) Diethyl Ether	3.37	74	205755	110.104	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	313838	105.543	ug/l 97
10) 1,1-Dichloroethene	3.70	96	306681	109.091	ug/l 97
11) Methyl Iodide	3.91	142	472275	129.398	ug/l 99
12) Methyl Acetate	4.28	43	341916	102.457	ug/l 94
13) Acrolein	3.57	56	184539	544.843	ug/l # 1
14) Acrylonitrile	4.93	53	694426	504.358	ug/l 99
15) Acetone	3.77	58	183957	473.192	ug/l 94
16) Carbon Disulfide	4.01	76	905670	109.295	ug/l 99
17) Allyl chloride	4.28	41	573514	111.275	ug/l 98
18) Methylene Chloride	4.51	84	348418	105.675	ug/l 94
19) trans-1,2-Dichloroethene	4.99	96	336447	106.143	ug/l 92
20) Diisopropyl ether	5.90	45	1076228	103.935	ug/l 95
21) 1,1-Dichloroethane	5.80	63	646035	103.469	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	386659	106.871	ug/l 97
23) tert-Butyl Alcohol	4.73	59	311612	527.585	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1030077	109.692	ug/l 100
25) Chloroform	7.33	83	674809	103.220	ug/l 97
26) Cyclohexane	7.61	56	512755	111.219	ug/l # 92
29) 1,1-Dichloropropene	7.75	75	513688	102.960	ug/l 98
30) 2-Butanone	6.78	43	1071616	453.210	ug/l 99
31) 2,2-Dichloropropane	6.78	77	629516	104.788	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	652148	103.105	ug/l 99
33) Carbon Tetrachloride	7.73	117	587176	104.883	ug/l 97
34) Benzene	8.00	78	1441264	102.607	ug/l # 91
35) Methacrylonitrile	7.12	41	223112	96.034	ug/l 95
36) 1,2-Dichloroethane	8.08	62	571445	93.629	ug/l 100
37) Trichloroethene	8.80	130	392627	105.053	ug/l 98
38) Methylcyclohexane	9.05	83	484466	112.524	ug/l 99
39) 1,2-Dichloropropane	9.08	63	380410	100.158	ug/l 98
40) Dibromomethane	9.17	93	259111	98.050	ug/l 99

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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)
41) Bromodichloromethane	9.37	83	565966	101.507	ug/l	99
42) Vinyl Acetate	5.84	43	5038350	500.987	ug/l	100
43) Ethyl Acetate	6.88	43	465782	90.923	ug/l	96
44) Isopropyl Acetate	8.13	43	878568	101.633	ug/l #	90
45) 1,4-Dioxane	9.17	88	103031	1905.024	ug/l	94
46) Methyl methacrylate	9.16	41	425575	99.776	ug/l	99
47) n-amyl Acetate	12.04	43	794986	103.212	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	655500	108.071	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	670455	106.365	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	352379	98.751	ug/l	99
51) Ethyl methacrylate	10.40	69	561002	106.694	ug/l	99
52) 1,3-Dichloropropane	10.68	76	612233	100.147	ug/l	99
53) Dibromochloromethane	10.87	129	451789	108.949	ug/l	98
54) 1,2-Dibromoethane	10.98	107	379325	101.547	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	1467589	519.989	ug/l	100
56) Bromoform	12.10	173	318742	109.724	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	2356804	480.699	ug/l	100
59) 2-Hexanone	10.72	43	1743672	475.757	ug/l	98
61) Tetrachloroethene	10.60	164	363441	109.795	ug/l	97
62) Toluene	10.13	91	1582515	105.919	ug/l	100
64) Chlorobenzene	11.41	112	995979	109.211	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	388521	109.298	ug/l	98
66) Ethyl Benzene	11.48	91	1821076	109.513	ug/l	98
67) m/p-Xylenes	11.59	106	1356304	220.587	ug/l	100
68) o-Xylene	11.92	106	664877	113.028	ug/l	94
69) Styrene	11.94	104	1135034	113.013	ug/l	99
70) Isopropylbenzene	12.22	105	1747158	111.491	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	475537	98.881	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	712841	148.418	ug/l	50
73) Bromobenzene	12.50	156	420899	106.055	ug/l	97
74) n-propylbenzene	12.57	91	2015728	110.553	ug/l	99
75) 2-Chlorotoluene	12.65	91	1236272	111.054	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	1504750	113.740	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	203552	113.549	ug/l	95
78) 4-Chlorotoluene	12.75	91	1312101	111.817	ug/l	99
79) tert-butylbenzene	12.97	119	1235400	115.719	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	1517606	114.089	ug/l	99
81) sec-Butylbenzene	13.14	105	1584349	113.211	ug/l	100
82) p-Isopropyltoluene	13.26	119	1479619	115.935	ug/l	99
83) 1,3-Dichlorobenzene	13.25	146	772573	110.421	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	776245	110.859	ug/l	98
85) n-Butylbenzene	13.59	91	1312669	117.697	ug/l	99
86) Hexachloroethane	13.85	117	258843	117.757	ug/l	94
87) 1,2-Dichlorobenzene	13.63	146	751667	110.267	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	119991	103.987	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	451915	124.206	ug/l	97
90) Hexachlorobutadiene	14.98	225	220018	116.878	ug/l	99
91) Naphthalene	15.10	128	1369308	125.006	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	435031	124.447	ug/l	99

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Oct 20 11:30:03 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

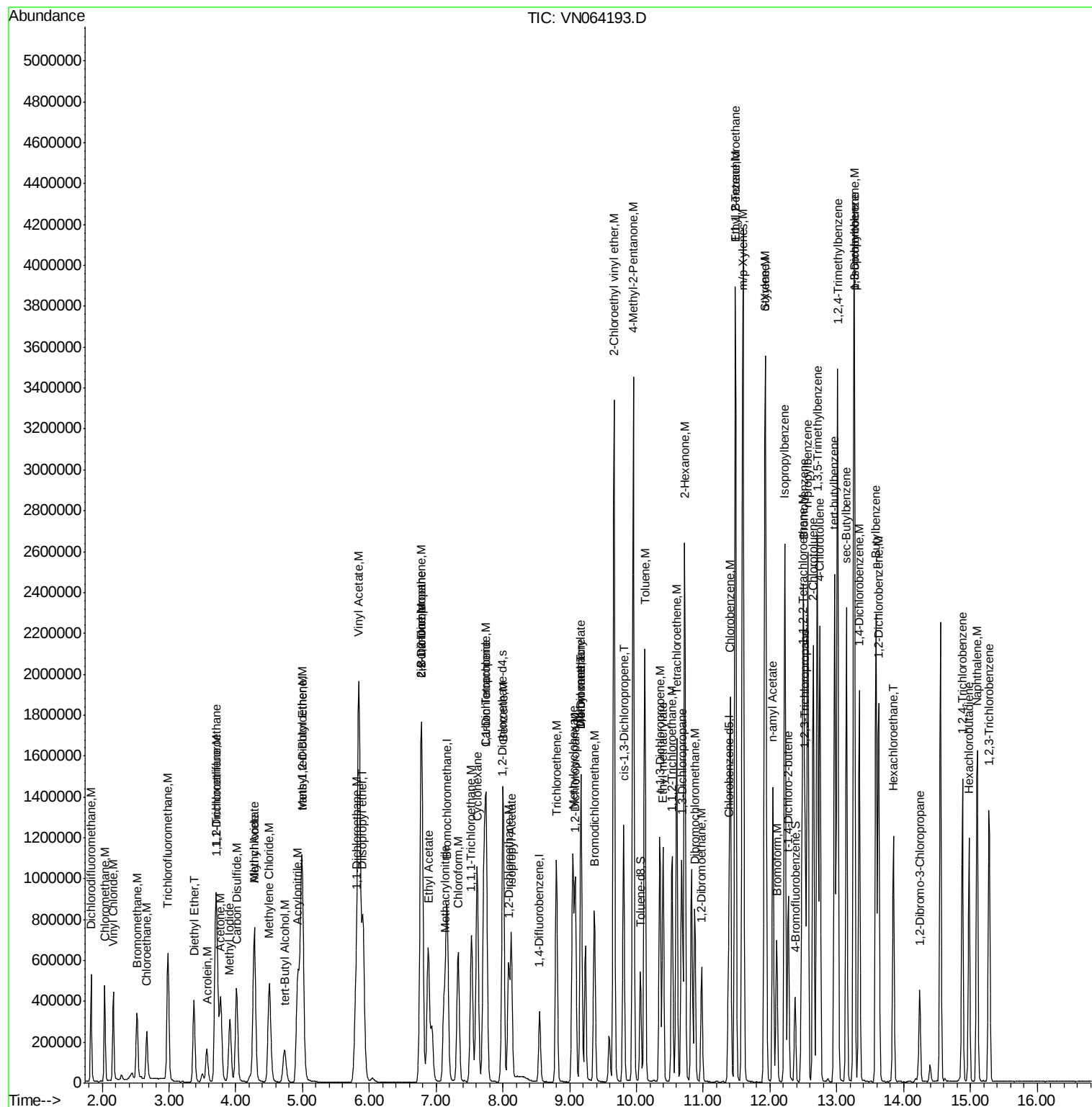
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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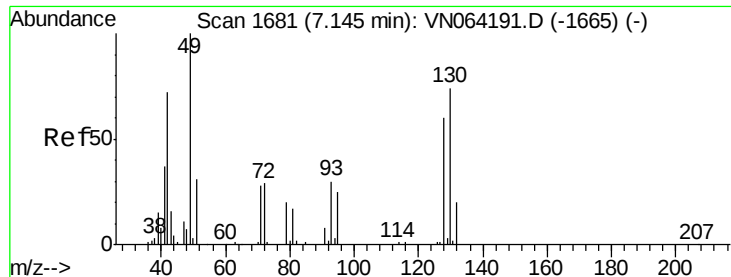
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN064193.D
Acq On : 20 Oct 2020 11:11
Operator : JC/MD
Sample : VSTDIC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Quant Time: Oct 20 11:30:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
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QLast Update : Tue Oct 20 11:03:39 2020
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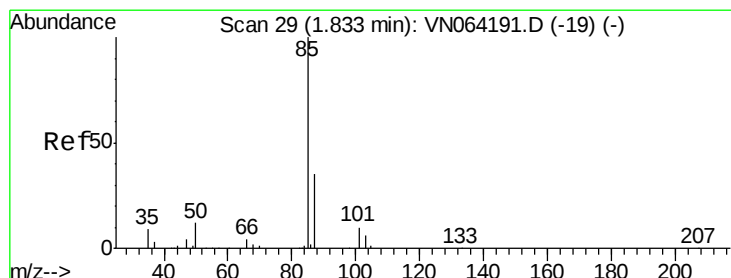
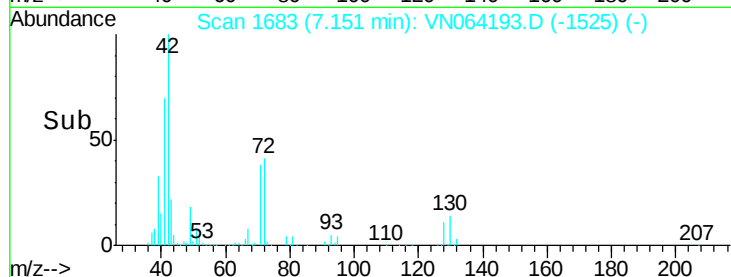
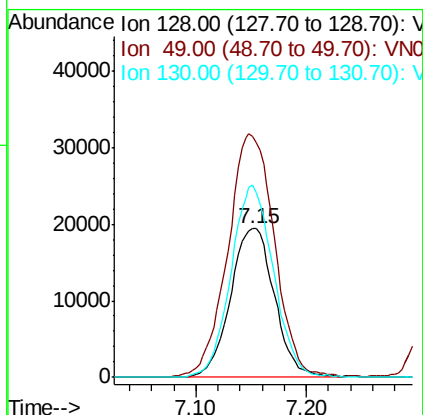
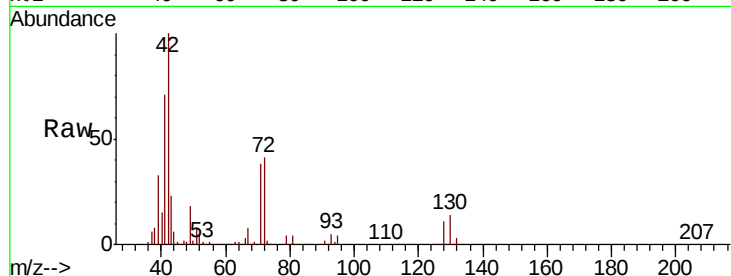




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.01 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

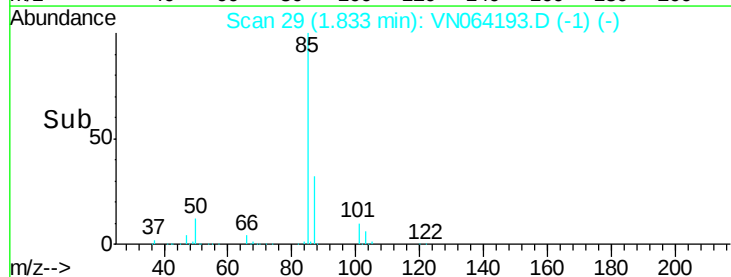
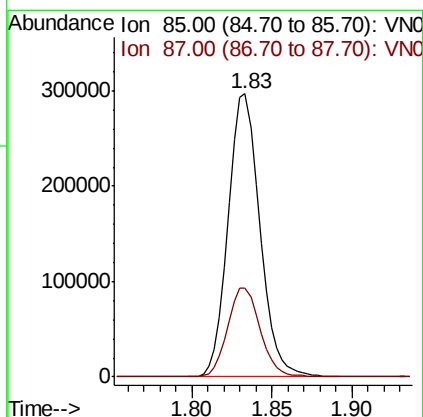
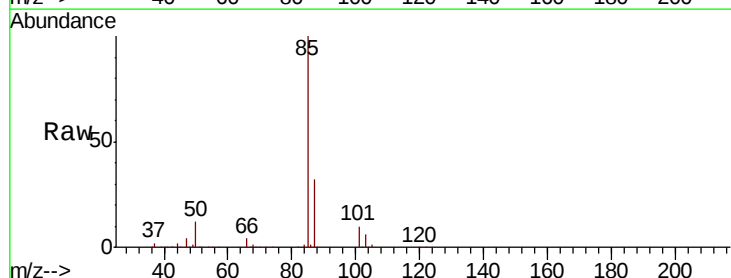
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

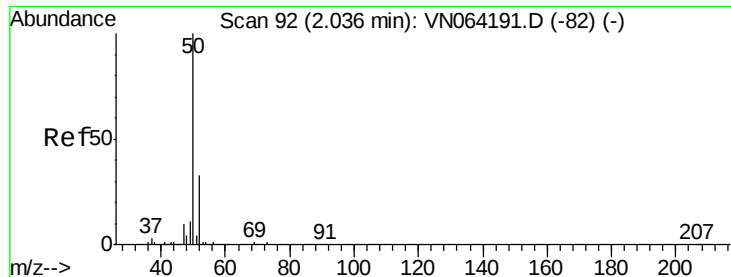
Tot Ion:128 Resp: 53440
 Ion Ratio Lower Upper
 128 100
 49 173.5 0.0 433.3
 130 125.3 0.0 322.5



#2
 Dichlorodifluoromethane
 Concen: 114.659 ug/l
 RT: 1.83 min Scan# 29
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion: 85 Resp: 400283
 Ion Ratio Lower Upper
 85 100
 87 31.6 17.8 53.3





#3

Chloromethane

Concen: 108.881 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

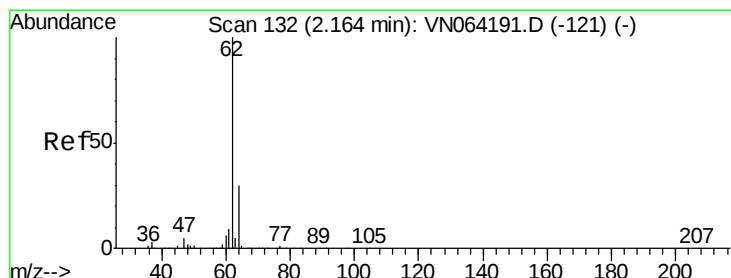
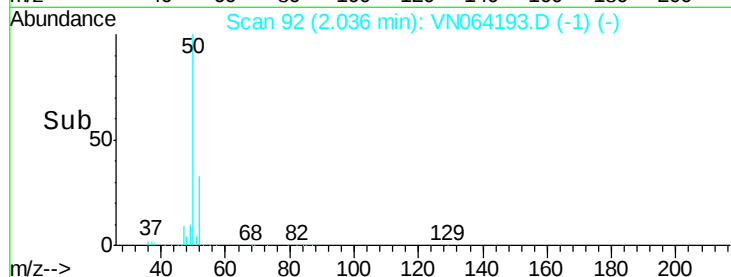
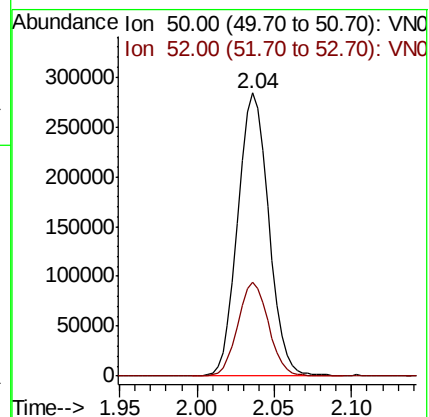
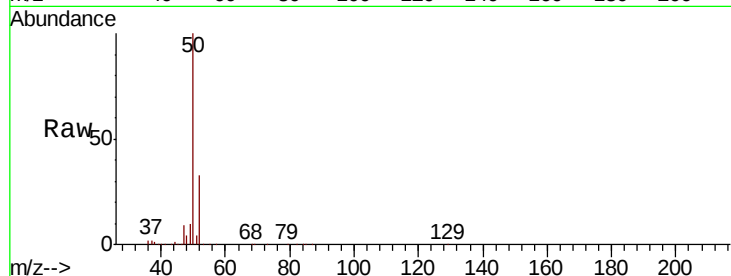
VSTDIC100

Tot Ion: 50 Resp: 394608

Ion Ratio Lower Upper

50 100

52 33.1 26.6 40.0



#4

Vinyl Chloride

Concen: 107.646 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064193.D

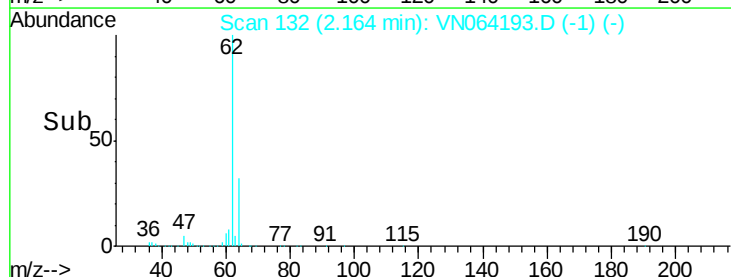
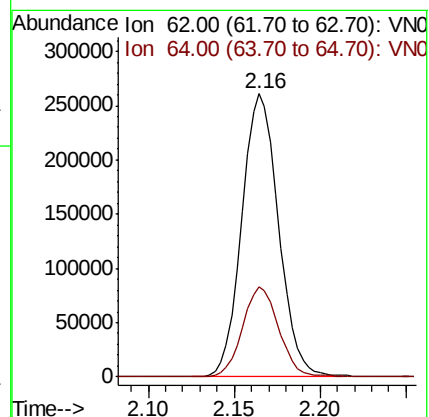
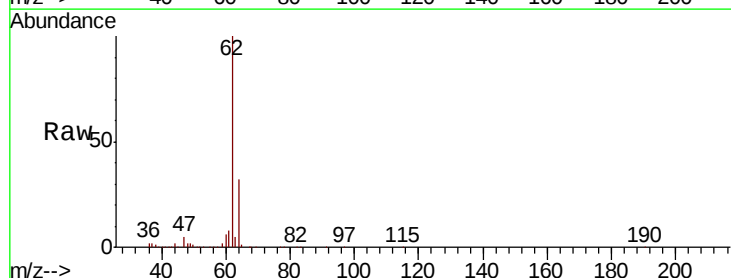
Acq: 20 Oct 2020 11:11

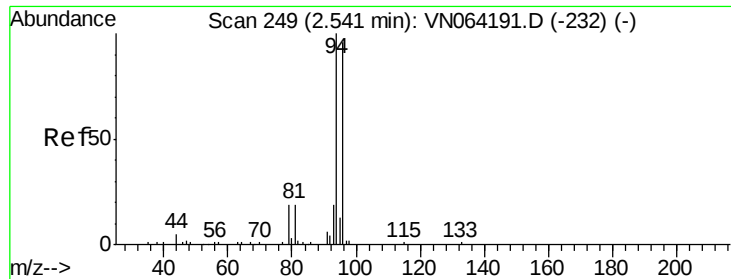
Tgt Ion: 62 Resp: 388111

Ion Ratio Lower Upper

62 100

64 31.7 24.4 36.6





#5

Bromomethane

Concen: 101.083 ug/l

RT: 2.52 min Scan# 243

Delta R.T. -0.02 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

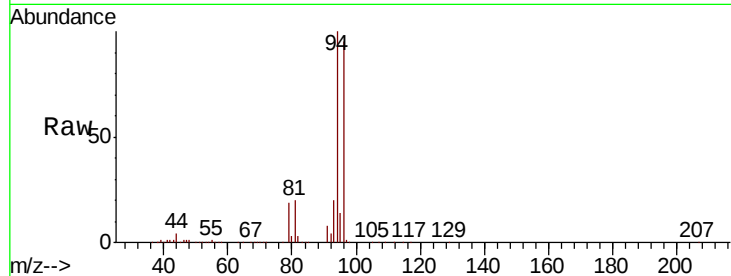
VSTDIC100

Tot Ion: 94 Resp: 230923

Ion Ratio Lower Upper

94 100

96 94.4 76.6 115.0



Abundance Ion 94.00 (93.70 to 94.70): VN064193.D (-232) (-)

Ion 96.00 (95.70 to 96.70): VN064193.D (-232) (-)

2.52

120000

100000

80000

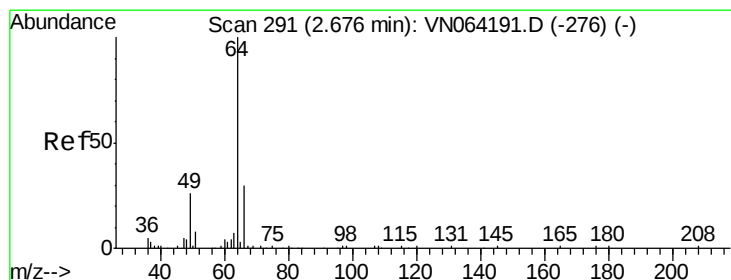
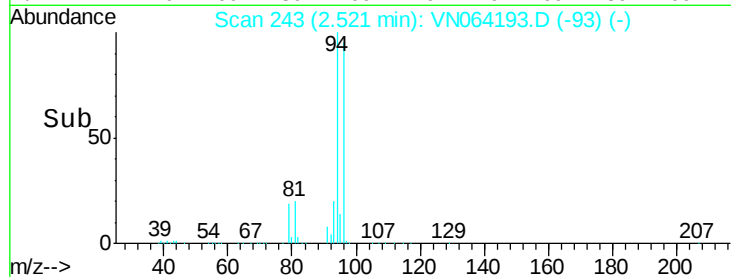
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 98.771 ug/l

RT: 2.67 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN064193.D

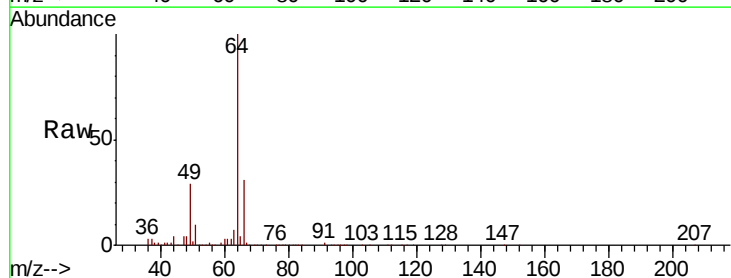
Acq: 20 Oct 2020 11:11

Tgt Ion: 64 Resp: 220342

Ion Ratio Lower Upper

64 100

66 31.2 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VN064193.D (-276) (-)

Ion 66.00 (65.70 to 66.70): VN064193.D (-276) (-)

2.67

120000

100000

80000

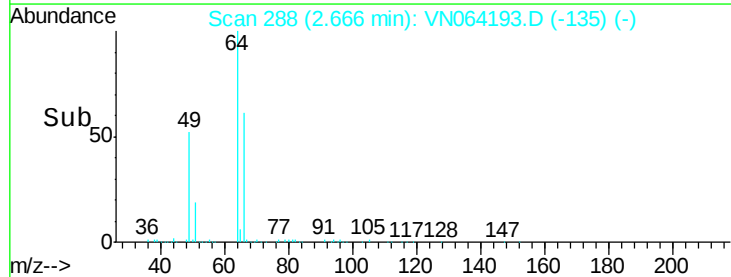
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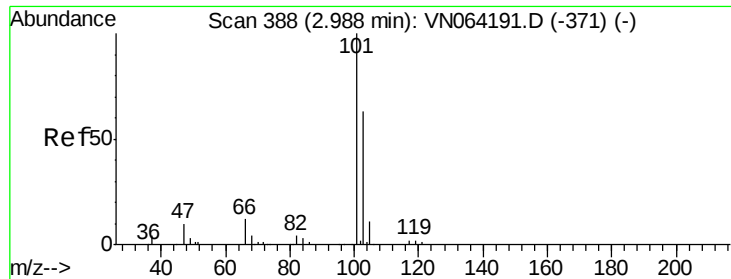
40000

20000

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Time-->



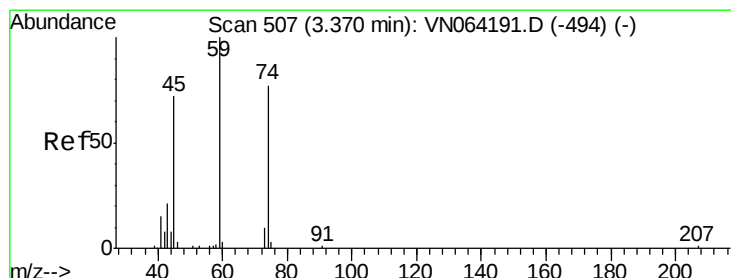
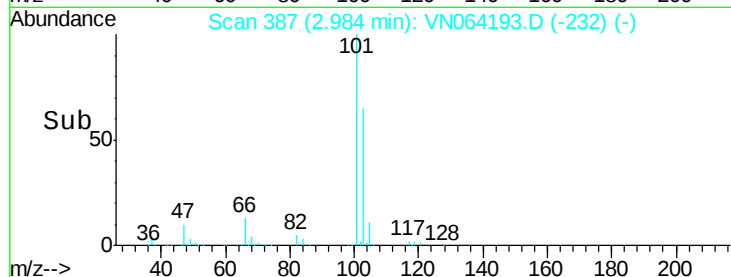
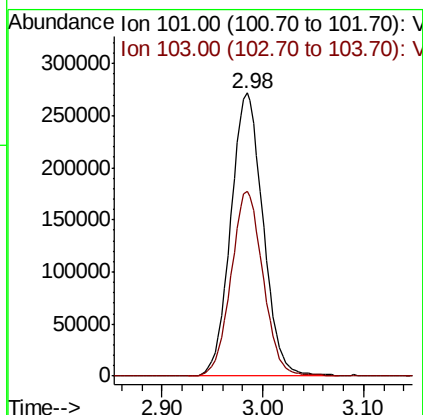
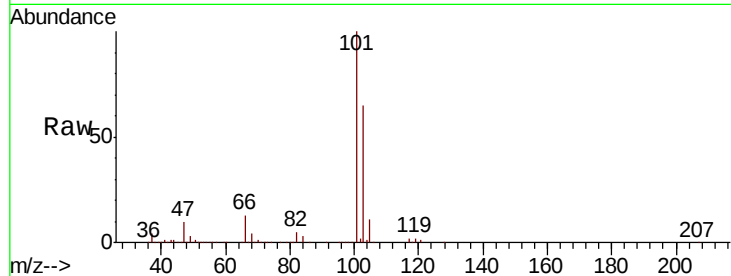


#7

Trichlorofluoromethane
Concen: 104.735 ug/l
RT: 2.98 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

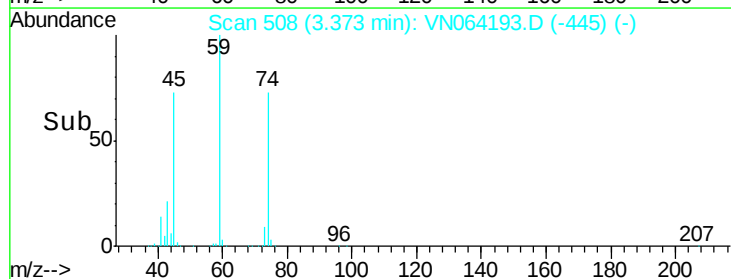
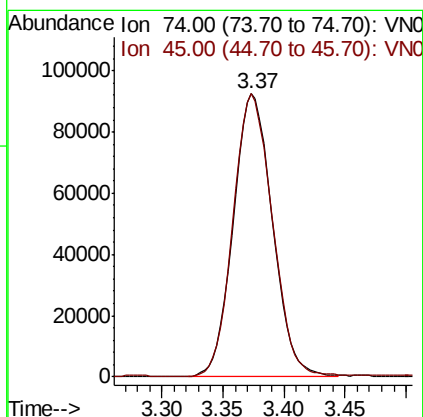
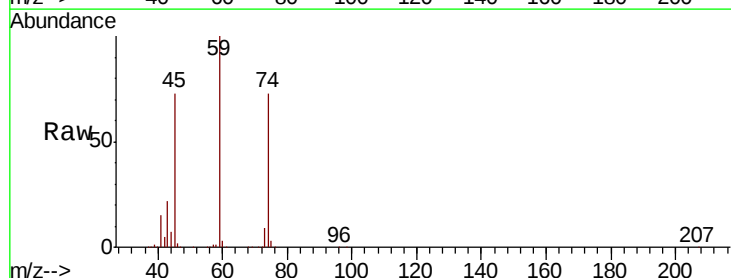
Tot Ion:101 Resp: 604546
Ion Ratio Lower Upper
101 100
103 65.4 50.7 76.1

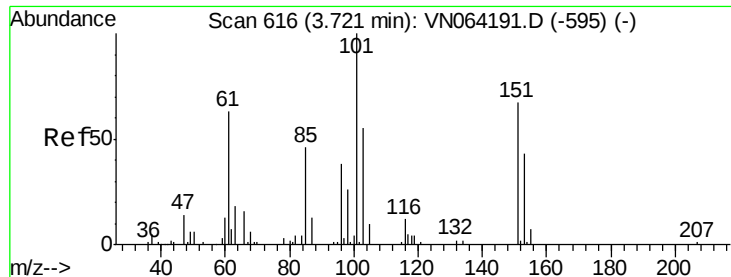


#8

Diethyl Ether
Concen: 110.104 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion: 74 Resp: 205755
Ion Ratio Lower Upper
74 100
45 100.2 19.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 105.543 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

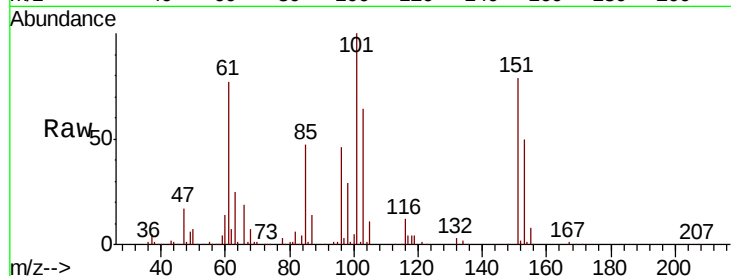
Tot Ion:101 Resp: 313838

Ion Ratio Lower Upper

101 100

85 46.9 0.0 94.0

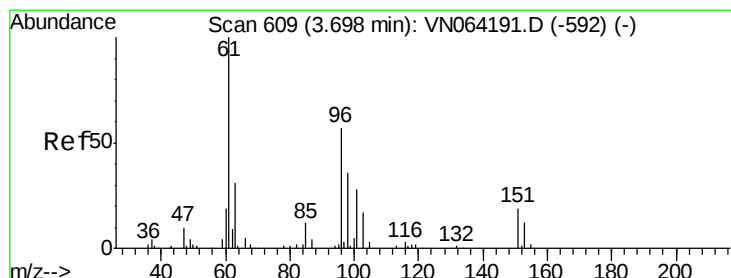
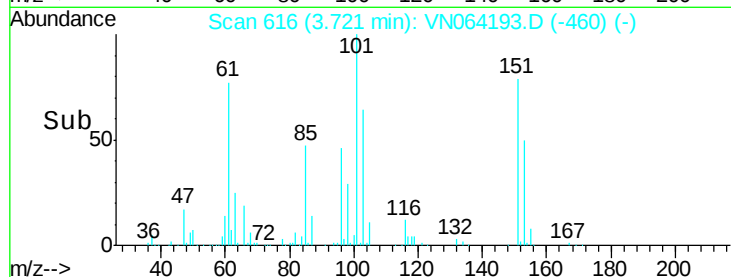
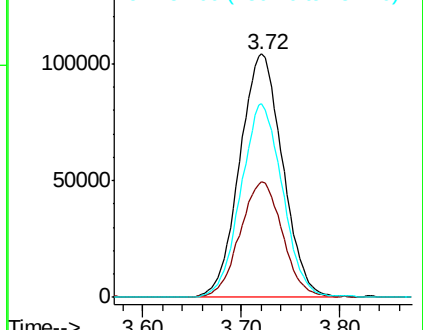
151 77.1 0.0 146.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 109.091 ug/l

RT: 3.70 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

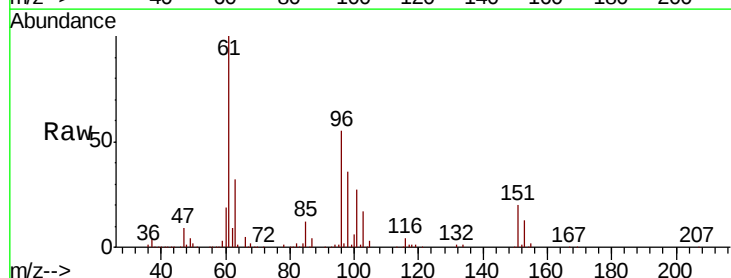
Tgt Ion: 96 Resp: 306681

Ion Ratio Lower Upper

96 100

61 182.0 141.0 211.4

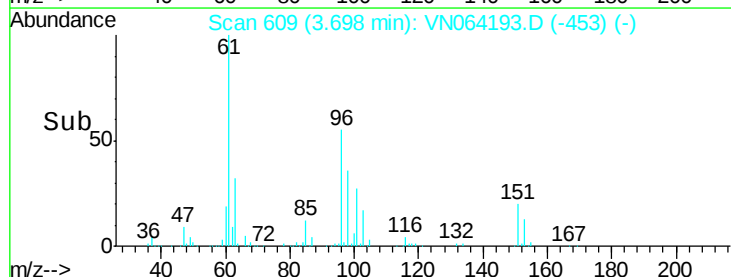
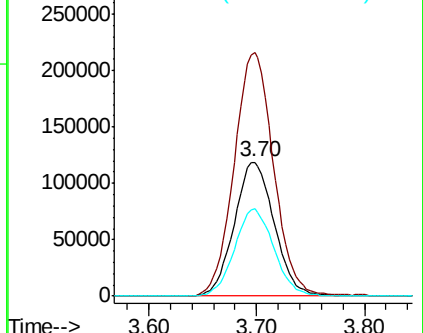
98 65.1 51.4 77.2

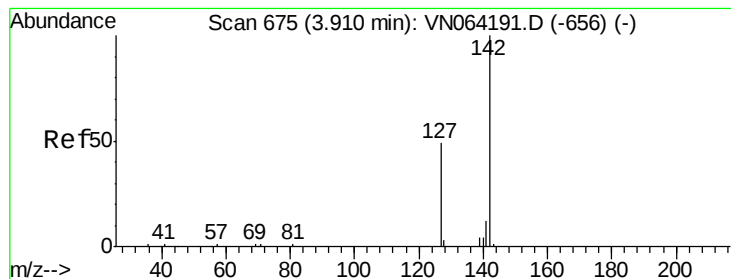


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#11

Methyl Iodide

Concen: 129.398 ug/l

RT: 3.91 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

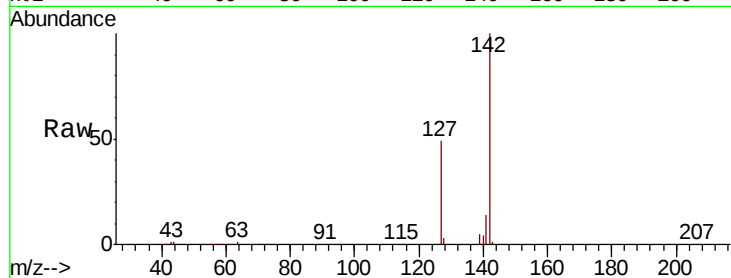
Tot Ion:142 Resp: 472275

Ion Ratio Lower Upper

142 100

127 48.8 24.5 73.5

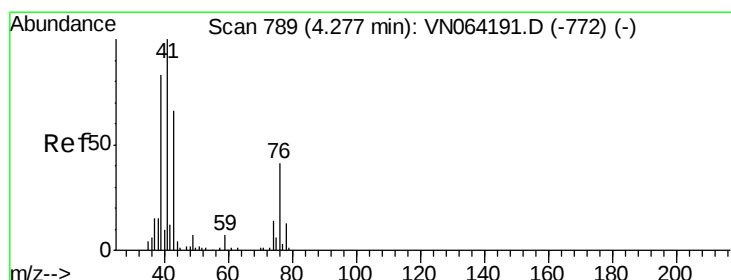
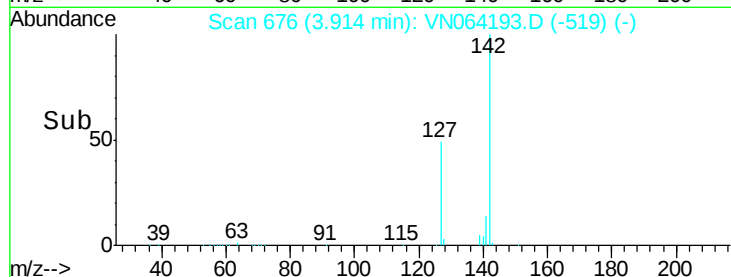
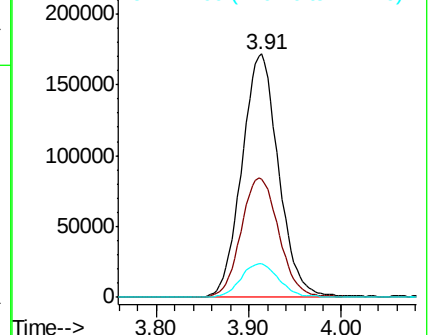
141 13.7 6.0 18.1



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 102.457 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064193.D

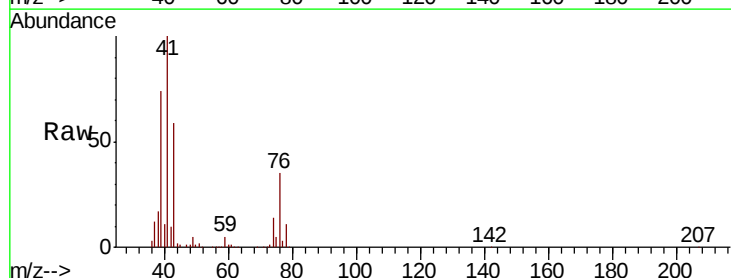
Acq: 20 Oct 2020 11:11

Tgt Ion: 43 Resp: 341916

Ion Ratio Lower Upper

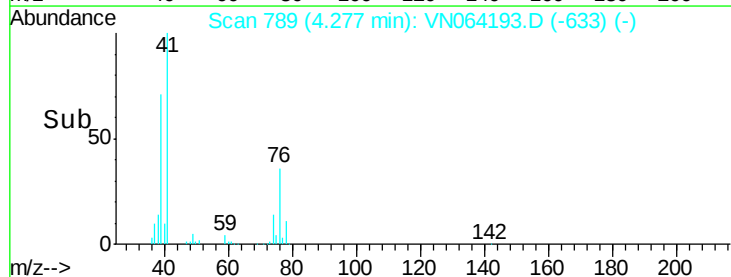
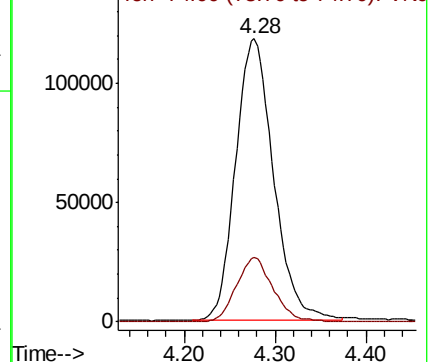
43 100

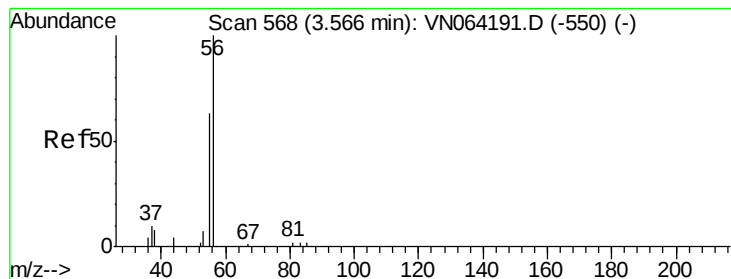
74 23.1 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 544.843 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

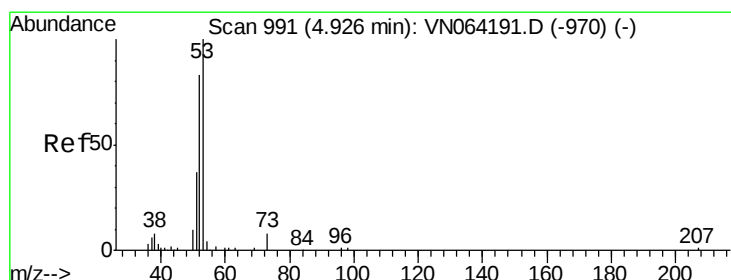
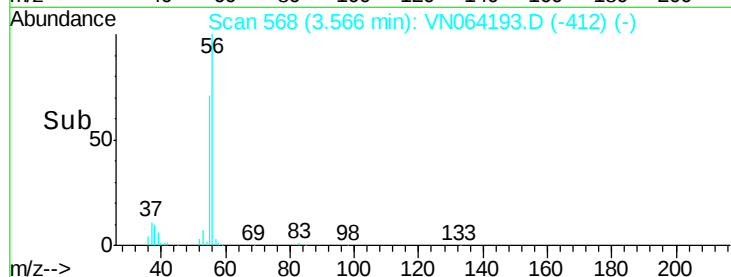
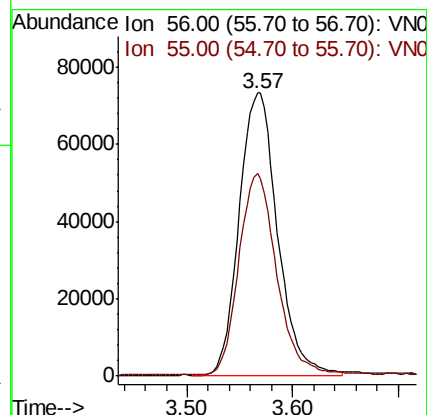
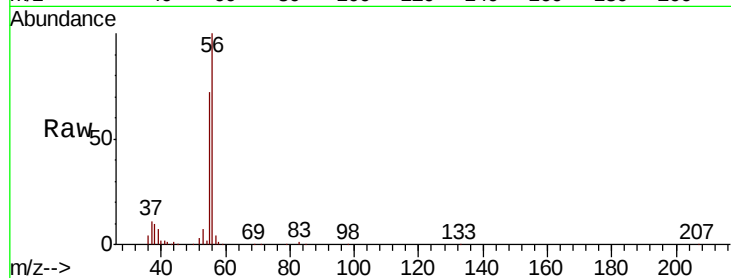
VSTDIC100

Tot Ion: 56 Resp: 184539

Ion Ratio Lower Upper

56 100

55 69.4 0.5 0.7#



#14

Acrylonitrile

Concen: 504.358 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

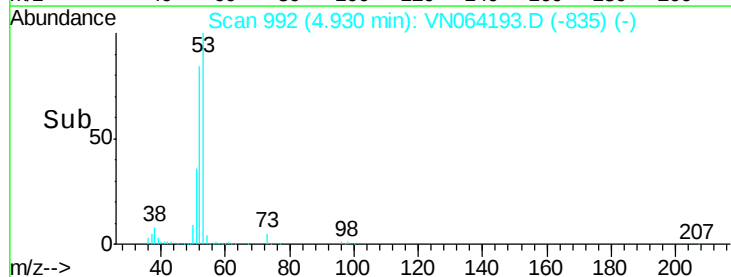
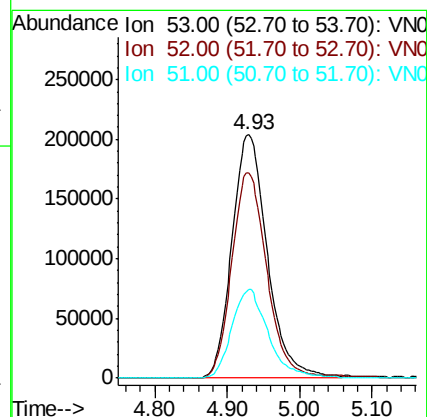
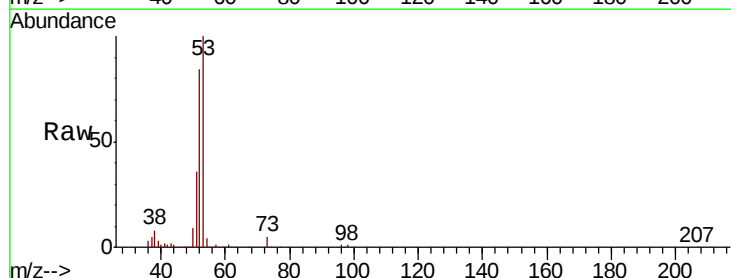
Tgt Ion: 53 Resp: 694426

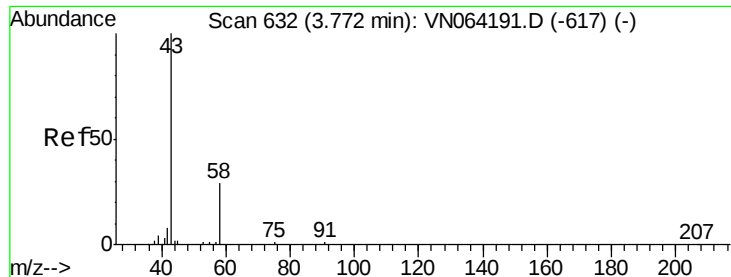
Ion Ratio Lower Upper

53 100

52 82.8 41.3 123.9

51 37.2 18.1 54.1





#15

Acetone

Concen: 473.192 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

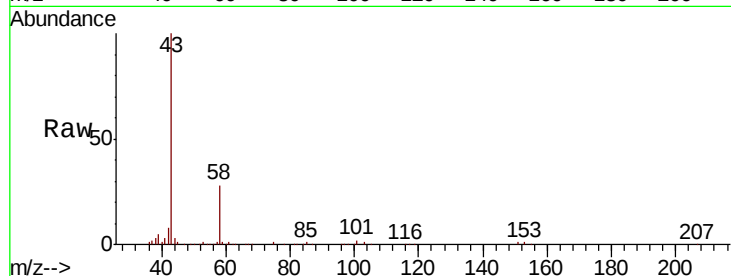
VSTDIC100

Tot Ion: 58 Resp: 183957

Ion Ratio Lower Upper

58 100

43 352.2 272.1 408.1



Abundance Ion 58.00 (57.70 to 58.70): VN064193.D (-476) (-)

Ion 43.00 (42.70 to 43.70): VN064193.D (-476) (-)

250000

200000

150000

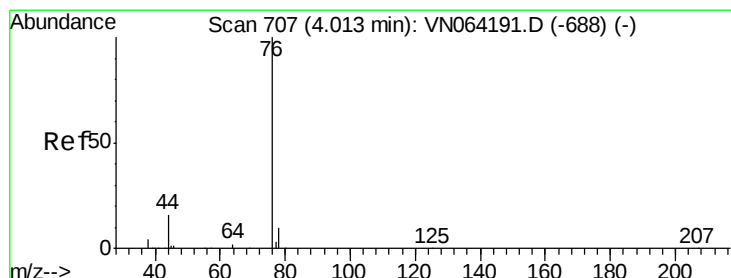
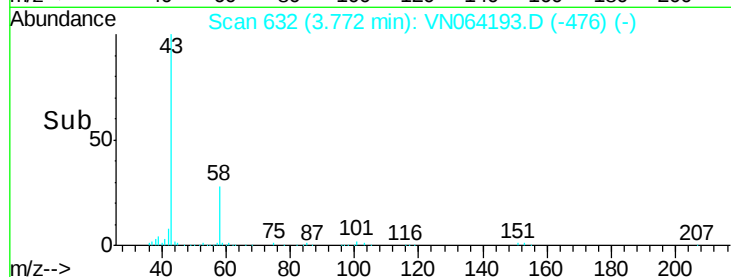
100000

50000

0

3.70 3.75 3.80 3.85

Time-->



#16

Carbon Disulfide

Concen: 109.295 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064193.D

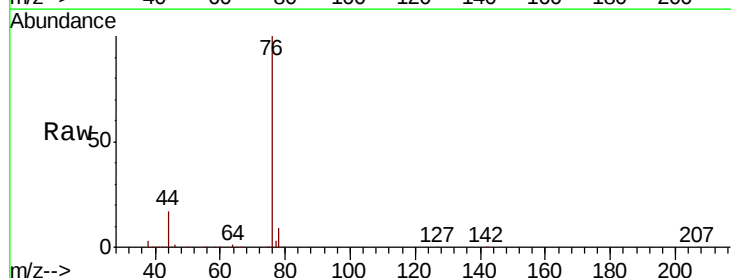
Acq: 20 Oct 2020 11:11

Tgt Ion: 76 Resp: 905670

Ion Ratio Lower Upper

76 100

78 9.1 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VN064193.D (-551) (-)

Ion 78.00 (77.70 to 78.70): VN064193.D (-551) (-)

400000

300000

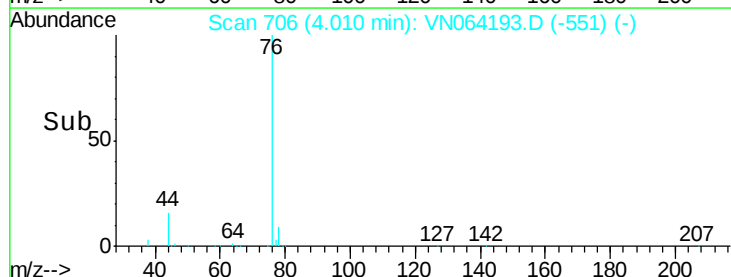
200000

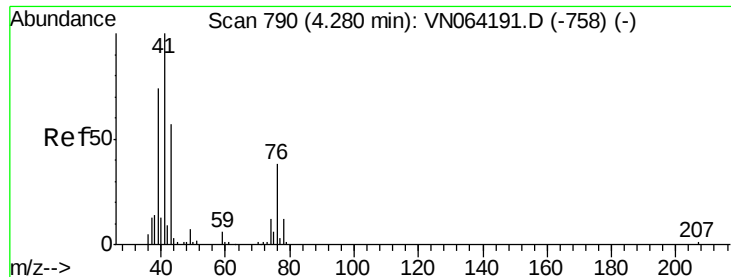
100000

0

3.90 4.00 4.10

Time-->

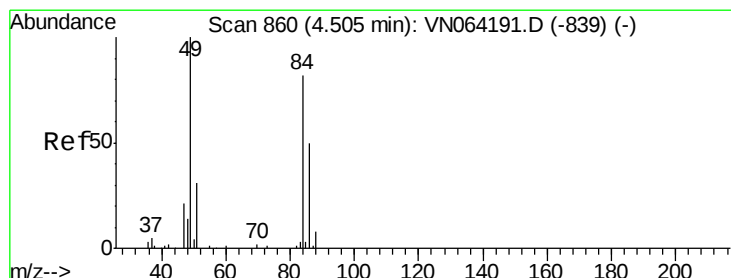
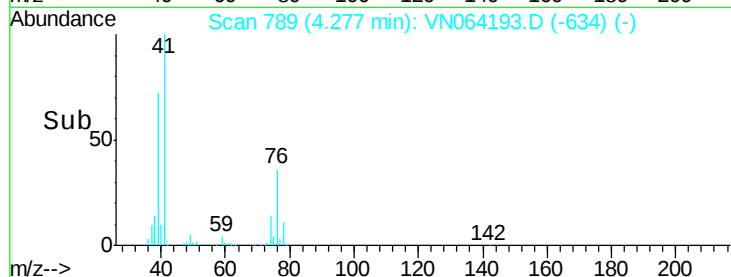
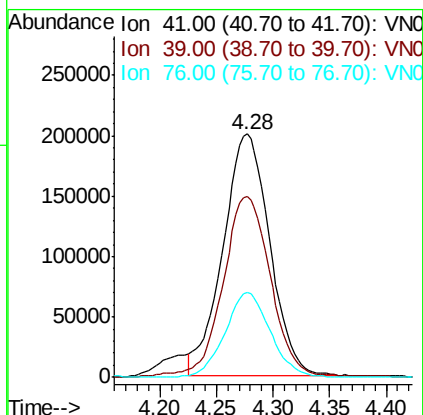
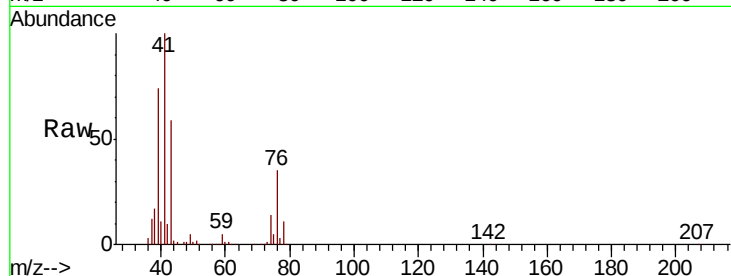




#17
Allvl chloride
Concen: 111.275 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

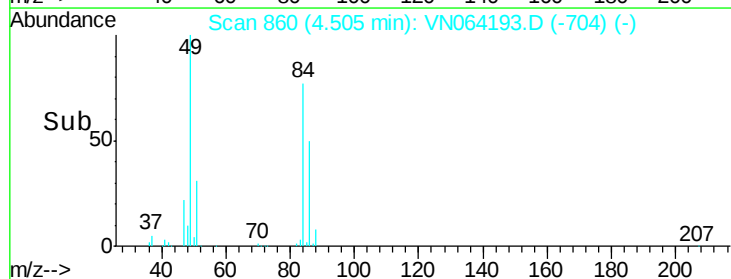
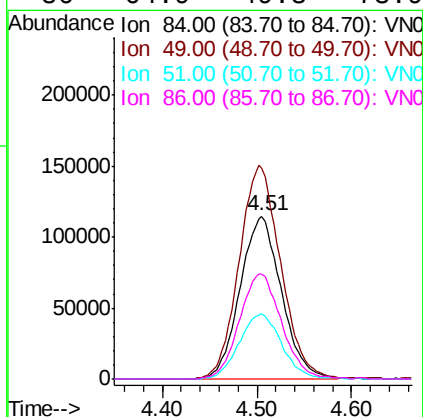
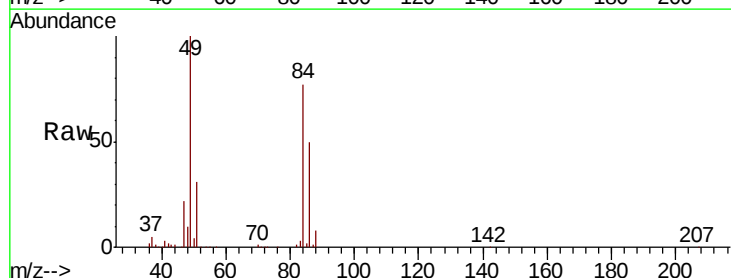
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

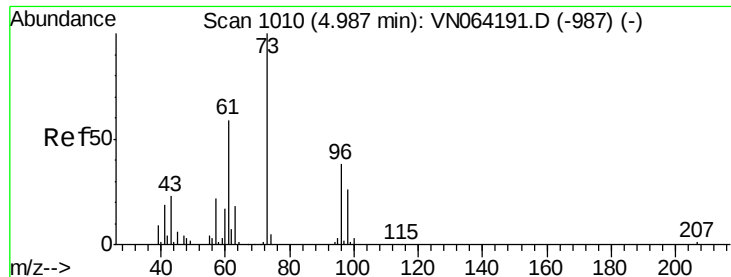
Tot Ion: 41 Resp: 573514
Ion Ratio Lower Upper
41 100
39 74.0 36.8 110.4
76 34.9 18.8 56.4



#18
Methylene Chloride
Concen: 105.675 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion: 84 Resp: 348418
Ion Ratio Lower Upper
84 100
49 130.3 97.6 146.4
51 39.9 31.1 46.7
86 64.9 49.3 73.9





#19

trans-1,2-Dichloroethene

Concen: 106.143 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

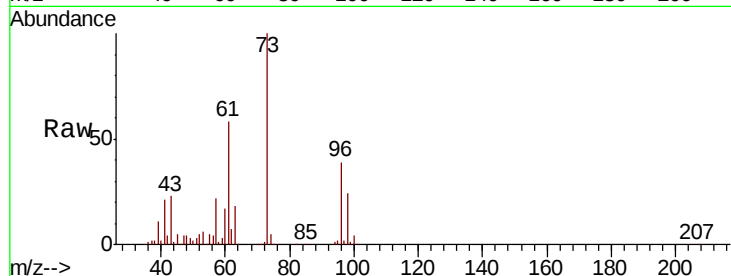
Tot Ion: 96 Resp: 336447

Ion Ratio Lower Upper

96 100

61 147.4 125.5 188.3

98 61.3 54.7 82.1

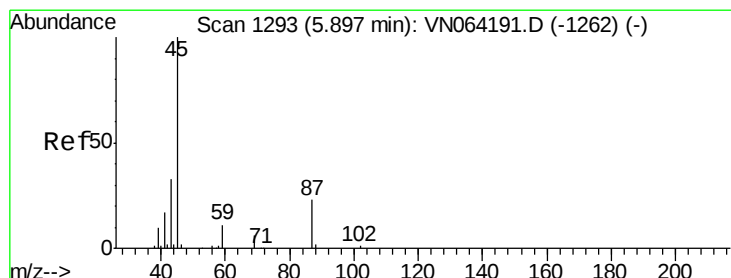
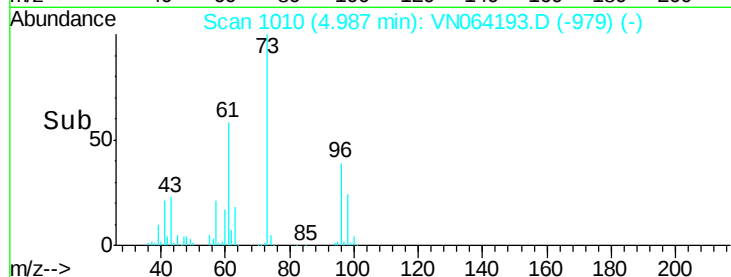
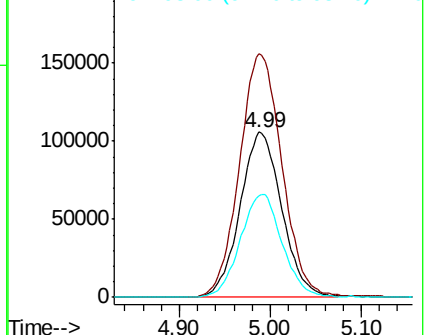


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 103.935 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Tgt Ion: 45 Resp: 1076228

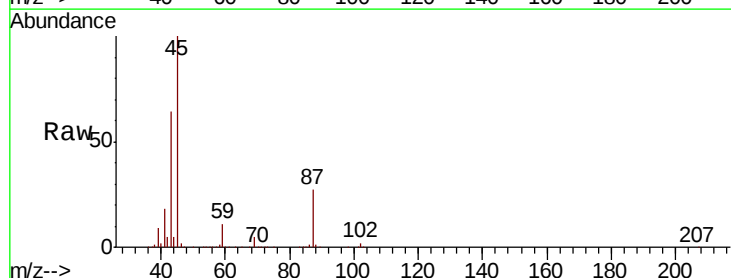
Ion Ratio Lower Upper

45 100

43 63.7 55.1 82.7

87 26.6 19.4 29.2

59 11.1 8.7 13.1



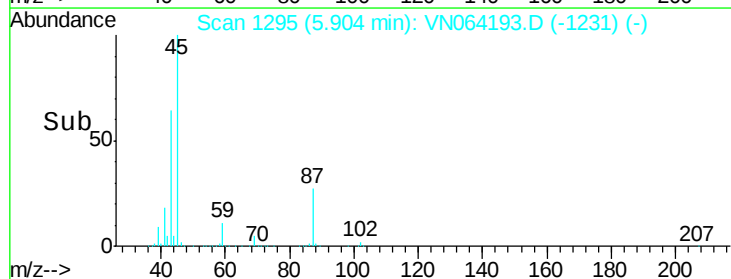
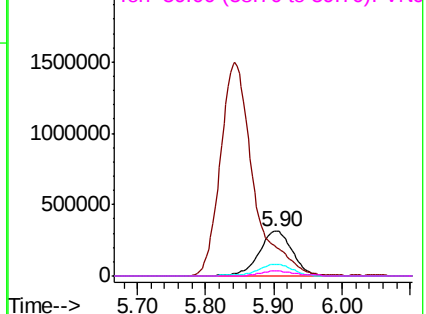
Abundance

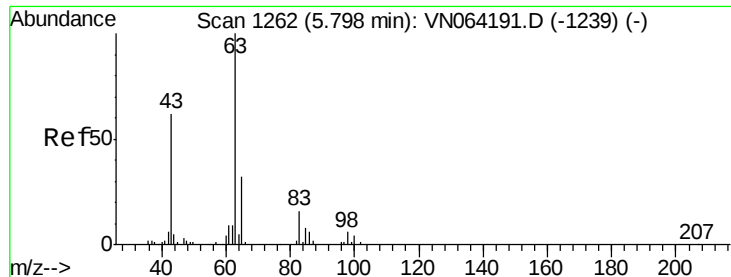
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 103.469 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

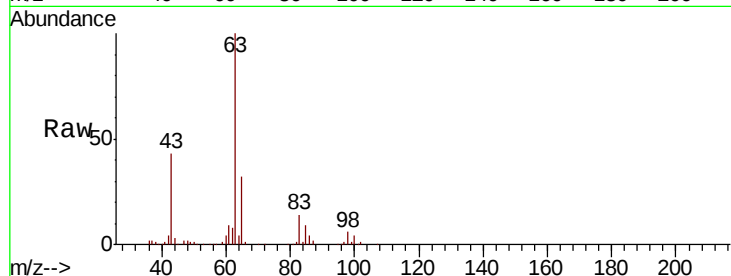
Tot Ion: 63 Resp: 646035

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.7

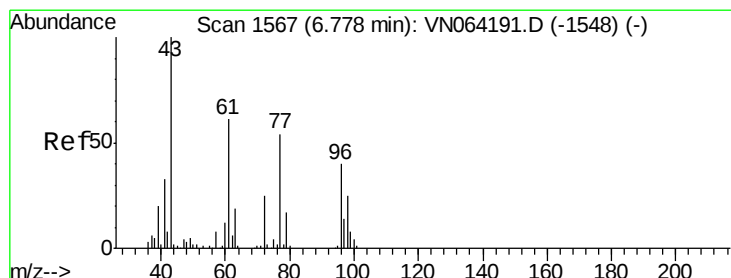
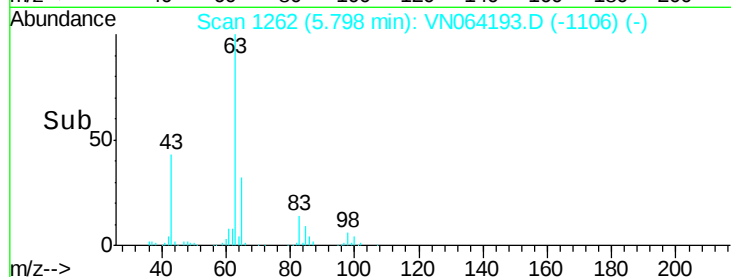
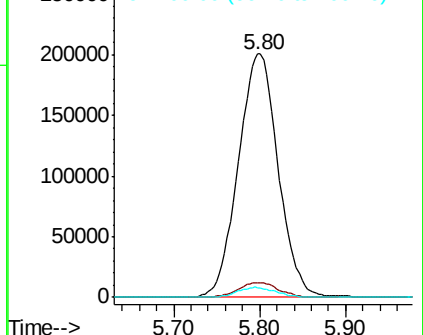
100 4.1 2.1 6.3



Abundance Ion 63.00 (62.70 to 63.70): VN064193.D (-1106) (-)

Ion 98.00 (97.70 to 98.70): VN064193.D (-1106) (-)

Ion 100.00 (99.70 to 100.70): VN064193.D (-1106) (-)



#22

cis-1,2-Dichloroethene

Concen: 106.871 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

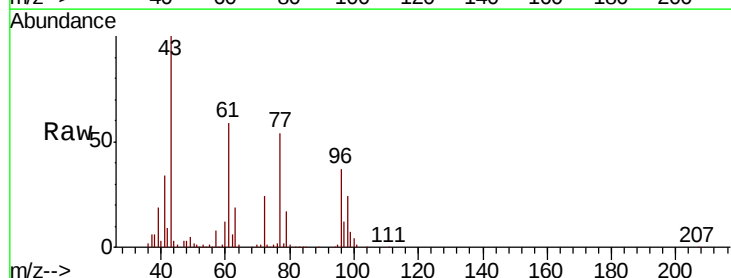
Tgt Ion: 96 Resp: 386659

Ion Ratio Lower Upper

96 100

61 161.8 126.2 189.4

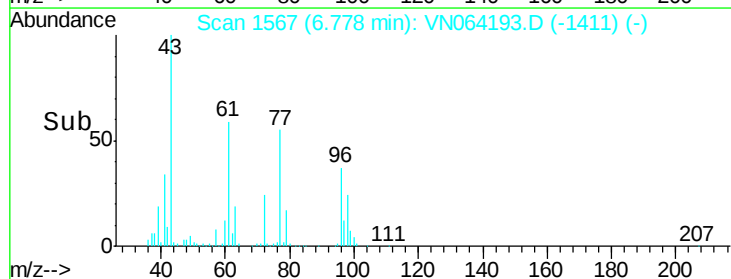
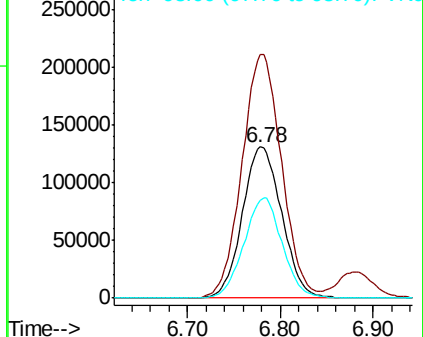
98 64.7 50.2 75.4

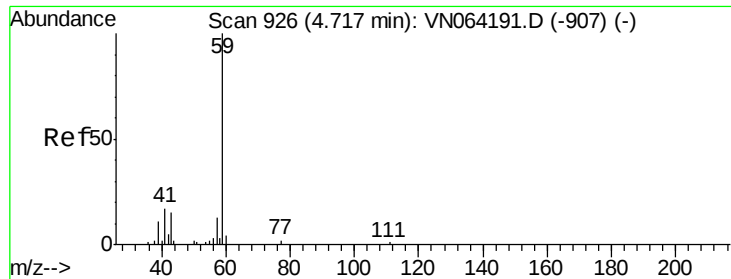


Abundance Ion 96.00 (95.70 to 96.70): VN064193.D (-1411) (-)

Ion 61.00 (60.70 to 61.70): VN064193.D (-1411) (-)

Ion 98.00 (97.70 to 98.70): VN064193.D (-1411) (-)



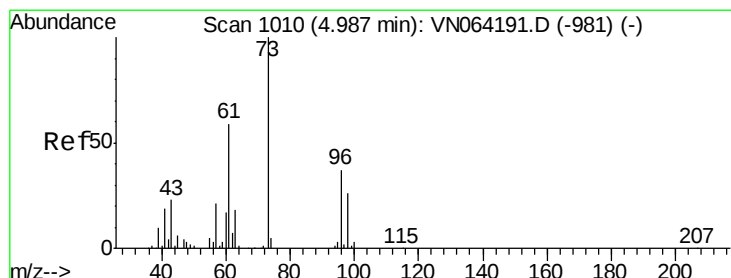
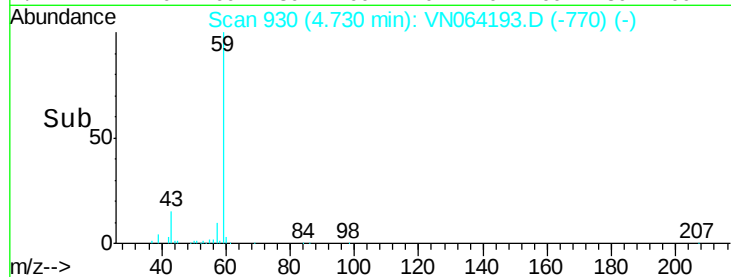
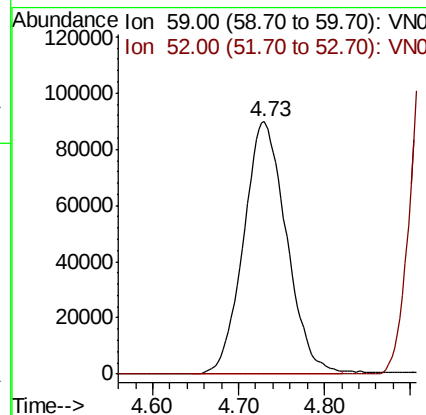
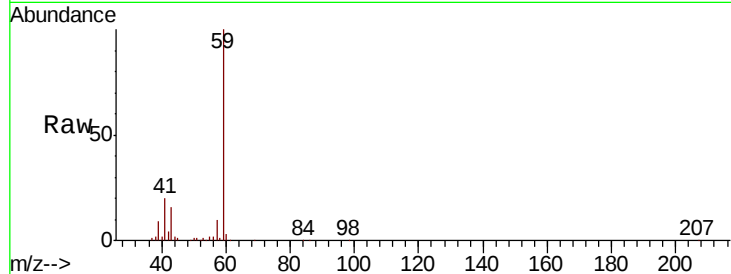


#23

tert-Butyl Alcohol
 Concen: 527.585 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

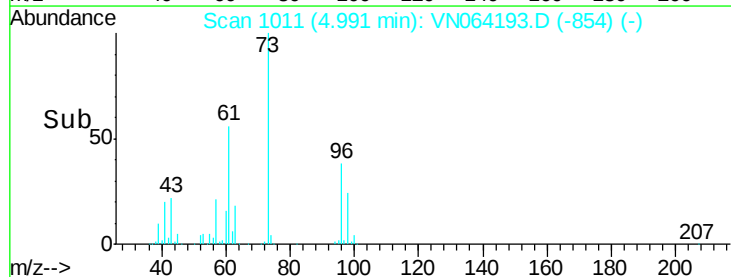
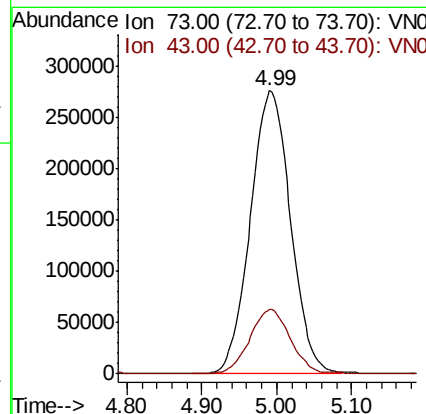
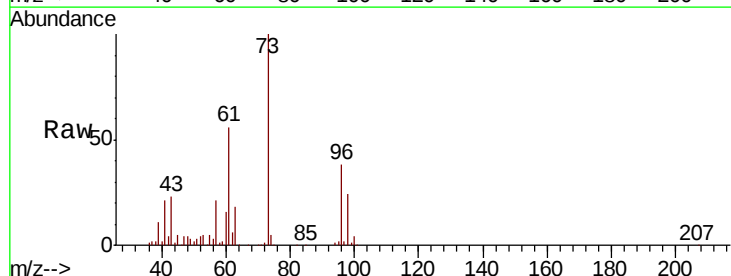
Tot Ion: 59 Resp: 311612
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.0 0.0#

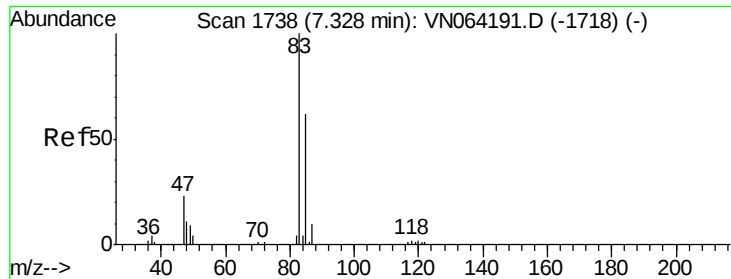


#24

Methyl tert-Butyl Ether
 Concen: 109.692 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion: 73 Resp: 1030077
 Ion Ratio Lower Upper
 73 100
 43 22.7 18.2 27.2

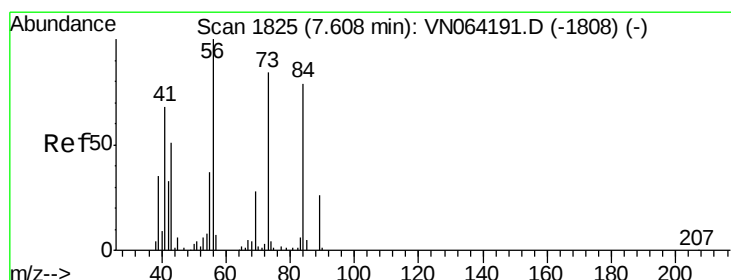
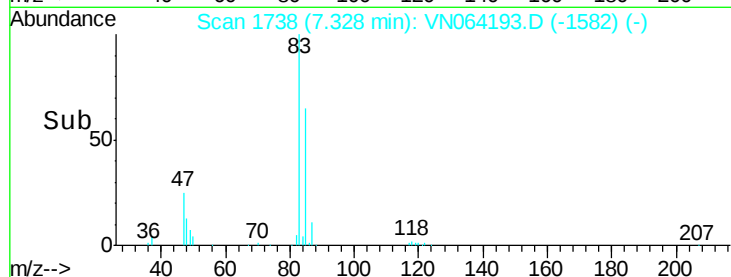
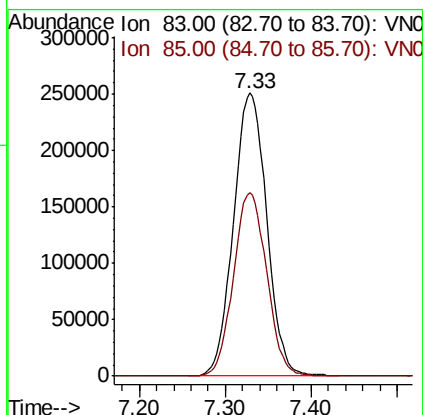
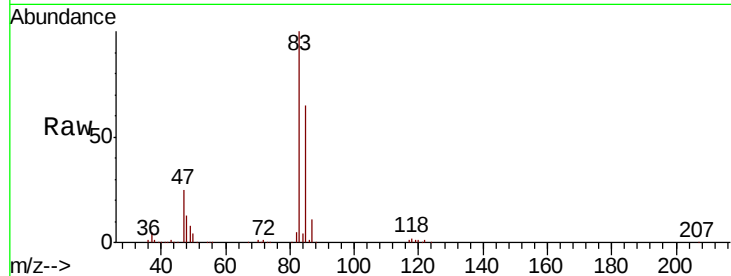




#25
Chloroform
Concen: 103.220 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

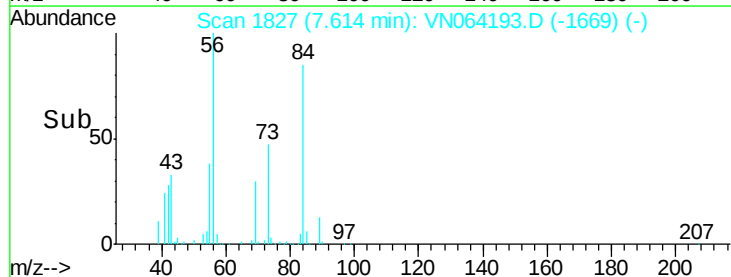
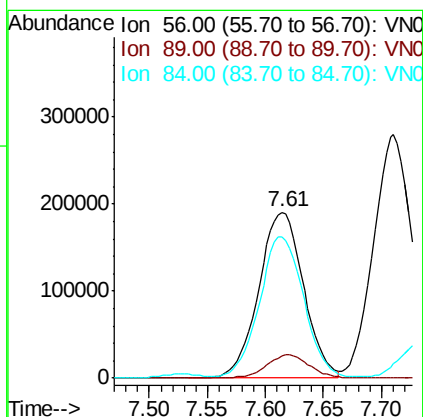
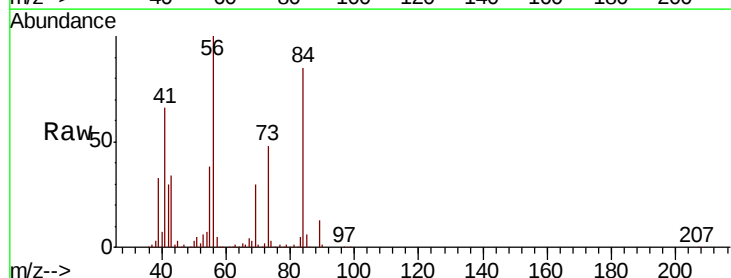
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

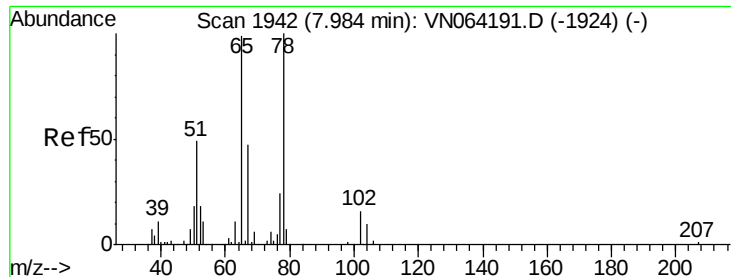
Tot Ion: 83 Resp: 674809
Ion Ratio Lower Upper
83 100
85 64.7 49.7 74.5



#26
Cyclohexane
Concen: 111.219 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion: 56 Resp: 512755
Ion Ratio Lower Upper
56 100
89 13.2 21.4 32.0#
84 84.6 65.8 98.6





#27

1,2-Dichloroethane-d4

Concen: 27.166 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

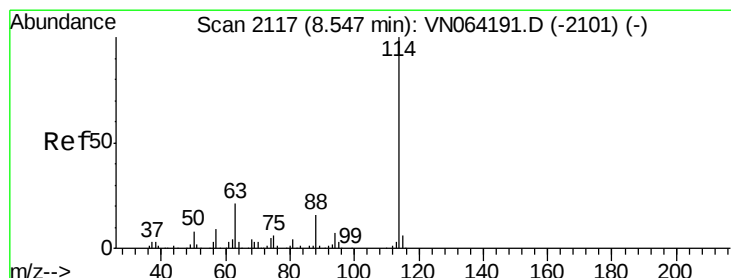
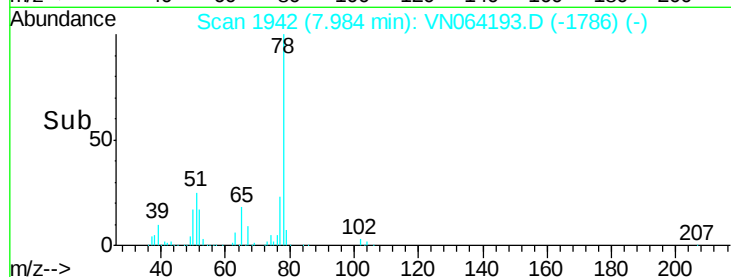
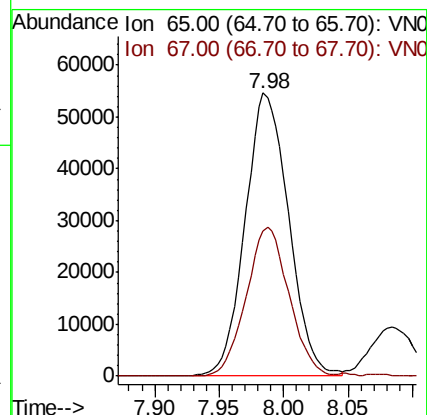
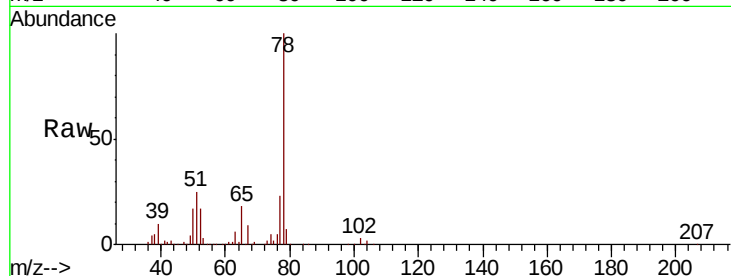
VSTDIC100

Tot Ion: 65 Resp: 128740

Ion Ratio Lower Upper

65 100

67 51.0 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: VN064193.D

Acq: 20 Oct 2020 11:11

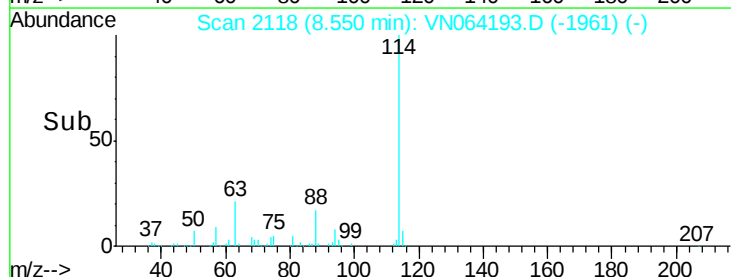
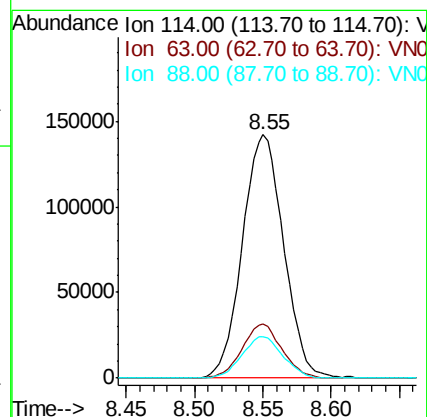
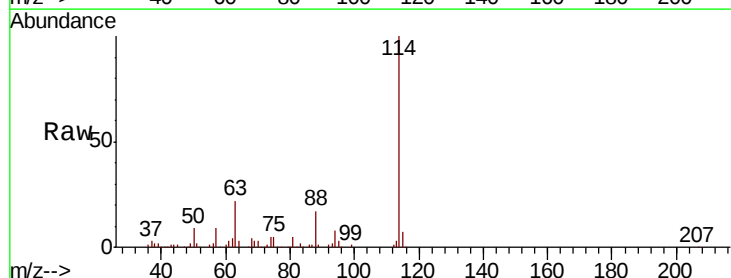
Tgt Ion: 114 Resp: 297991

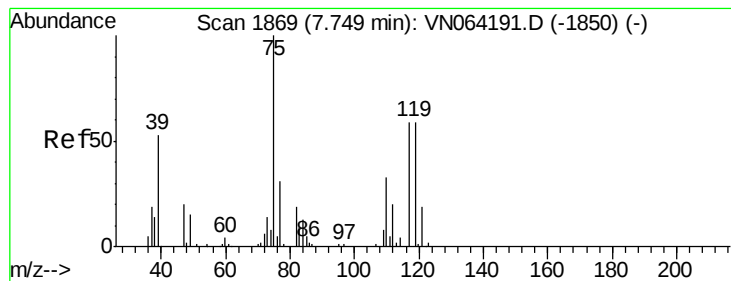
Ion Ratio Lower Upper

114 100

63 21.5 17.0 25.4

88 17.1 13.0 19.4





#29

1,1-Dichloropropene

Concen: 102.960 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

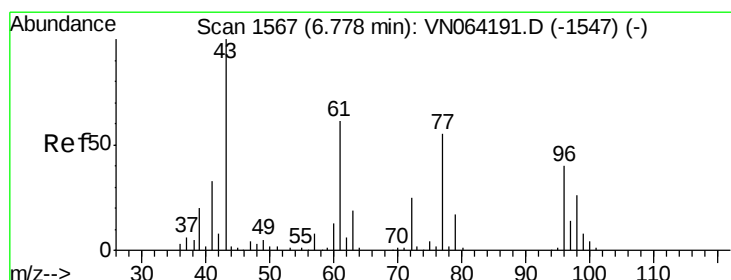
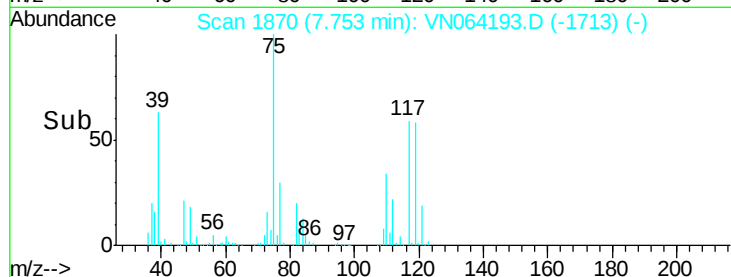
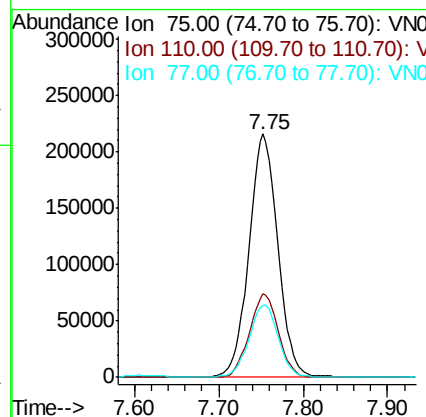
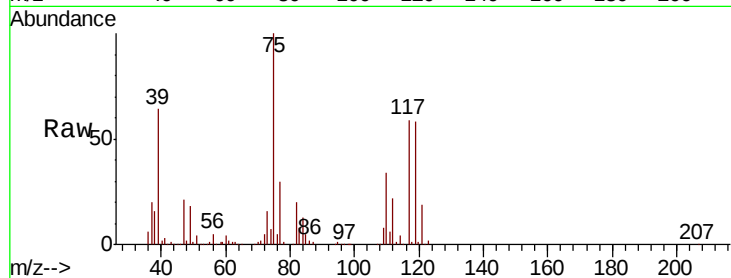
Tot Ion: 75 Resp: 513688

Ion Ratio Lower Upper

75 100

110 34.1 0.0 66.8

77 30.4 0.0 63.6



#30

2-Butanone

Concen: 453.210 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

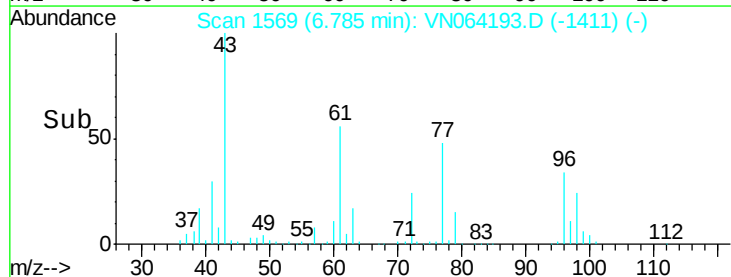
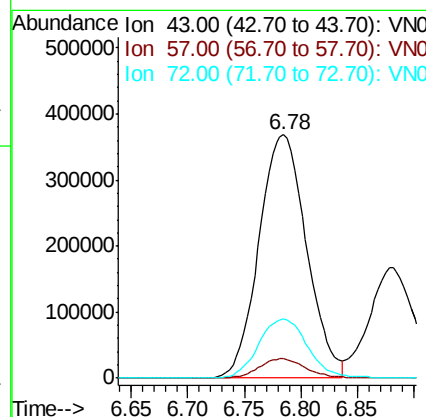
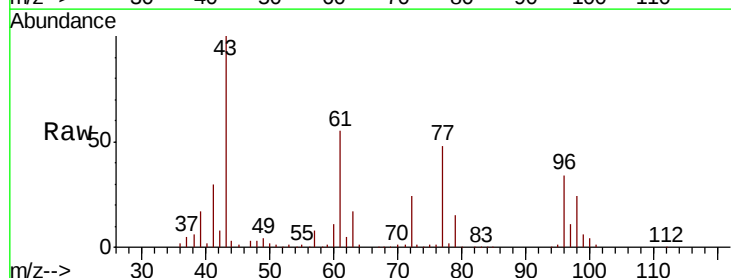
Tgt Ion: 43 Resp: 1071616

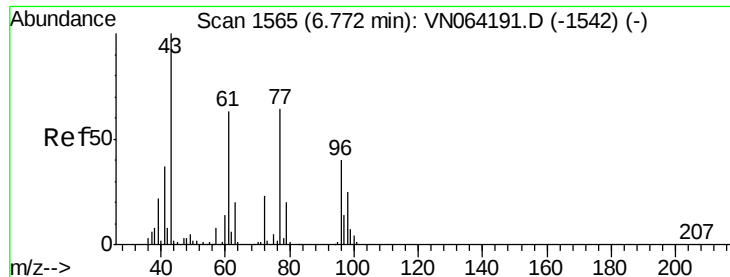
Ion Ratio Lower Upper

43 100

57 8.0 5.8 8.6

72 25.2 19.8 29.8





#31

2,2-Dichloropropane

Concen: 104.788 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

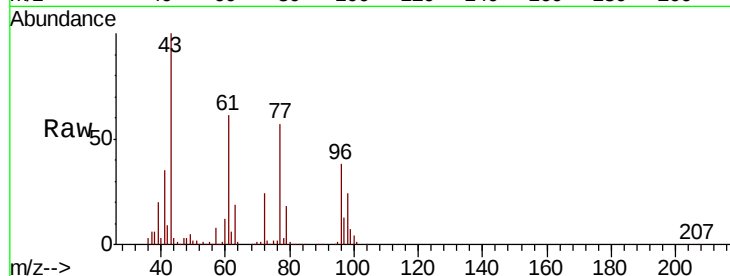
VSTDIC100

Tot Ion: 77 Resp: 629516

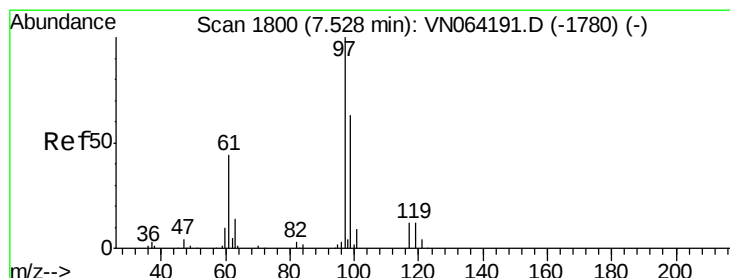
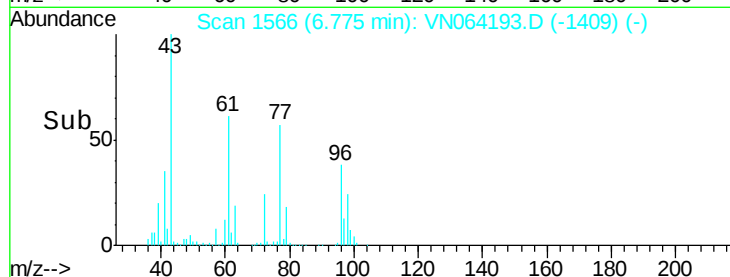
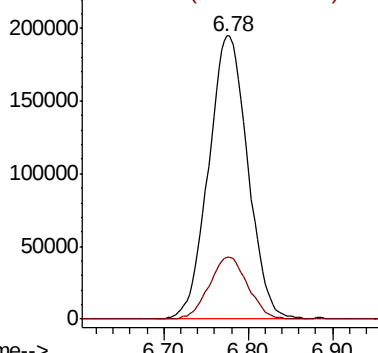
Ion Ratio Lower Upper

77 100

97 21.5 17.3 25.9



Abundance Ion 77.00 (76.70 to 77.70): VNO
Ion 97.00 (96.70 to 97.70): VNO



#32

1,1,1-Trichloroethane

Concen: 103.105 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

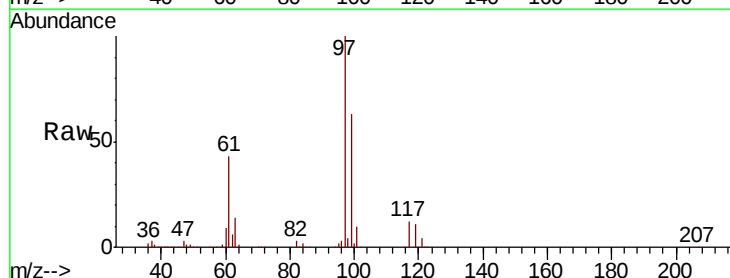
Tgt Ion: 97 Resp: 652148

Ion Ratio Lower Upper

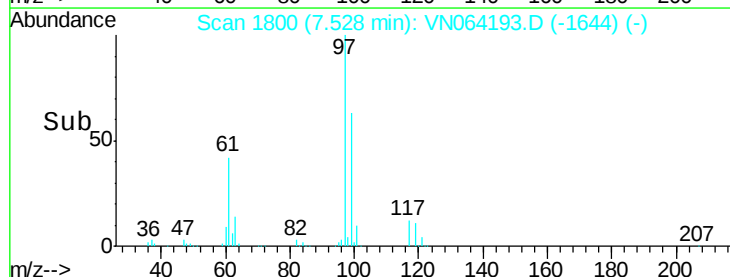
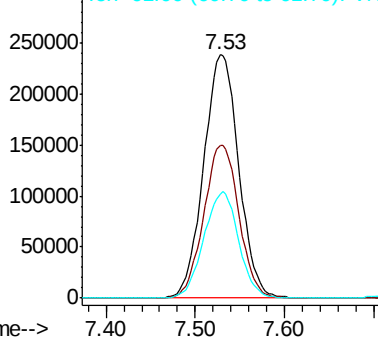
97 100

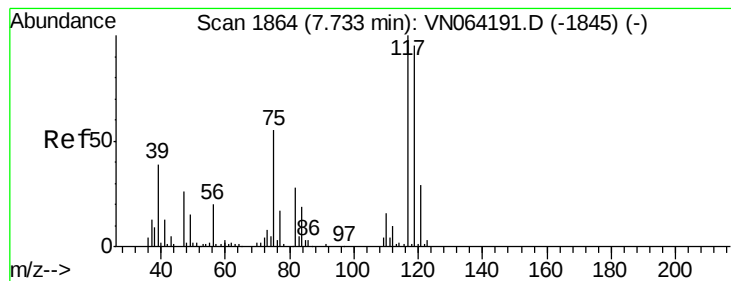
99 63.0 51.3 76.9

61 43.3 34.8 52.2



Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 99.00 (98.70 to 99.70): VNO
Ion 61.00 (60.70 to 61.70): VNO





#33

Carbon Tetrachloride

Concen: 104.883 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

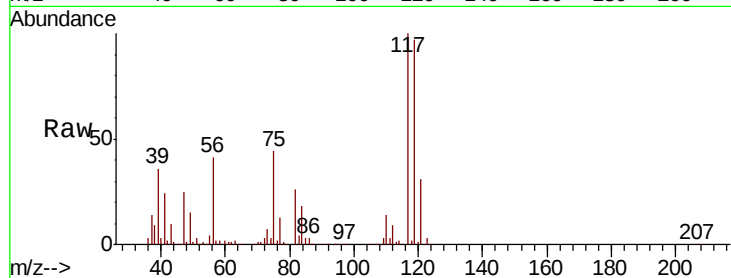
Tot Ion:117 Resp: 587176

Ion Ratio Lower Upper

117 100

119 97.0 76.0 114.0

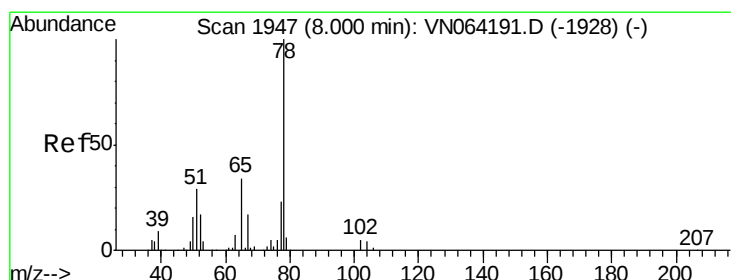
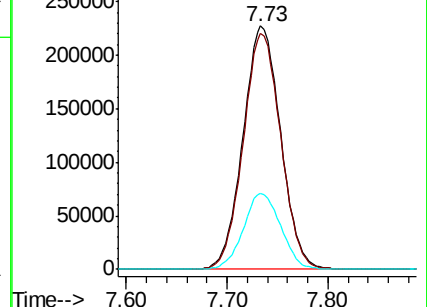
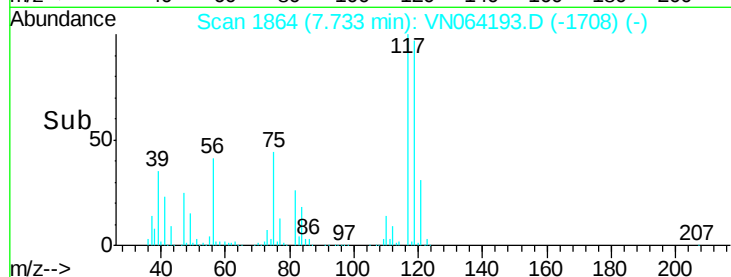
121 31.2 23.0 34.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 102.607 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

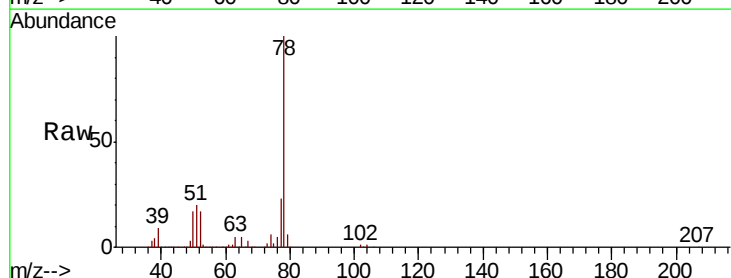
Tgt Ion: 78 Resp: 1441264

Ion Ratio Lower Upper

78 100

77 23.0 18.4 27.6

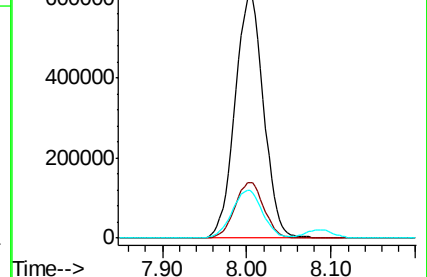
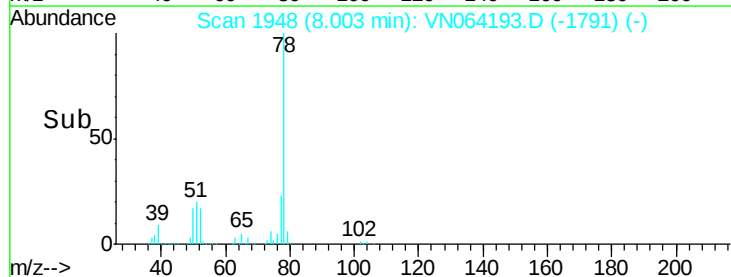
51 19.7 23.0 34.6#

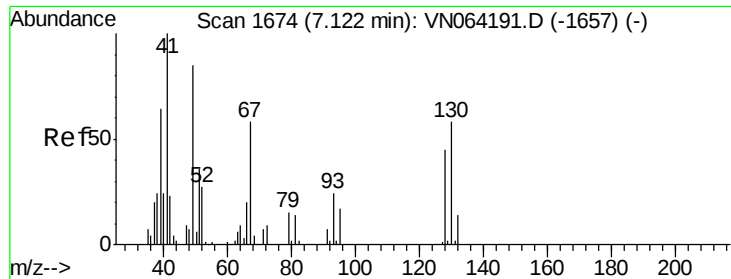


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

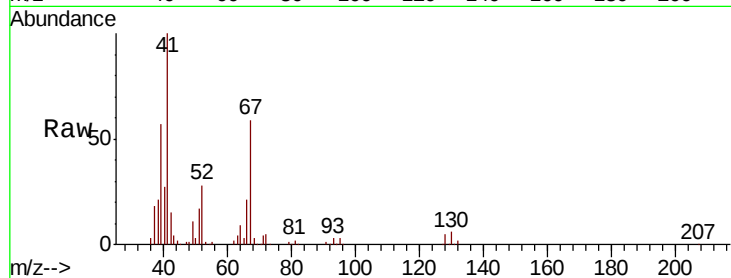




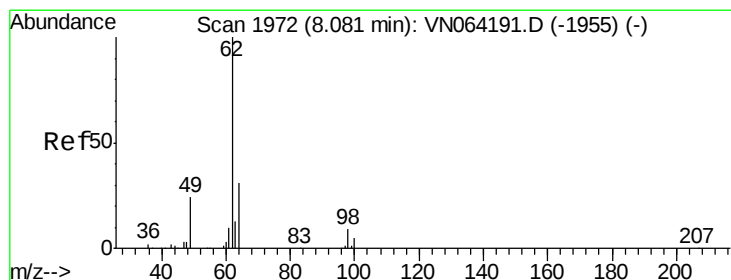
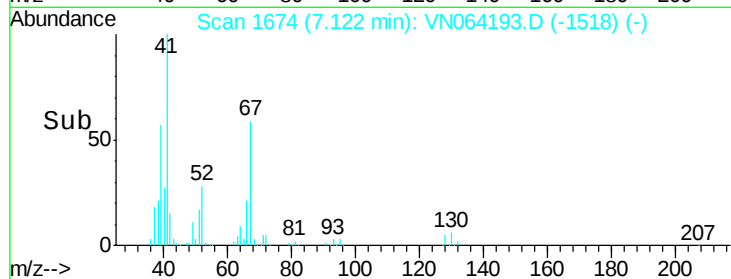
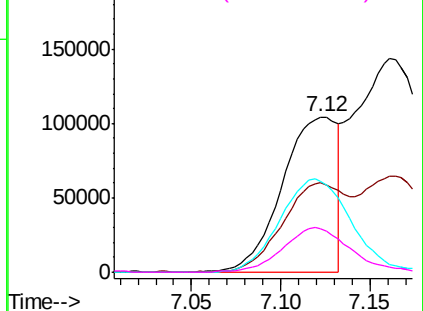
#35
Methacrylonitrile
Concen: 96.034 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	223112
Ion	Ratio	Lower	Upper
41	100		
39	57.2	32.1	96.3
67	59.0	28.9	86.8
52	27.6	13.4	40.2

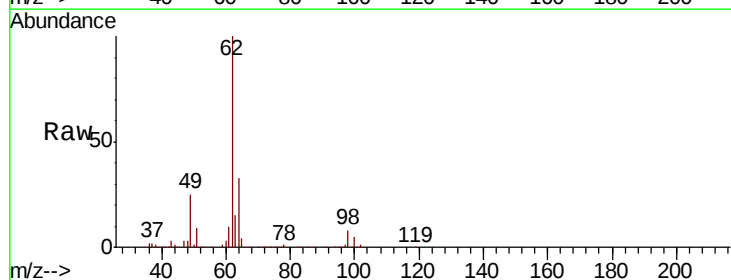


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

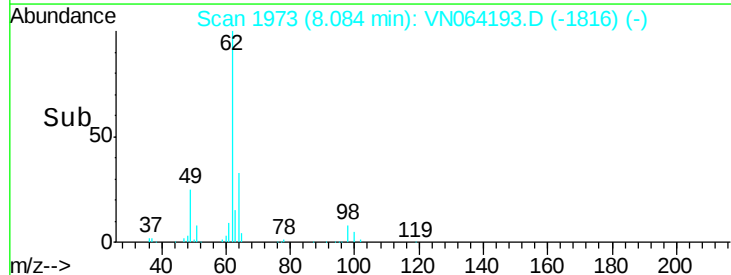
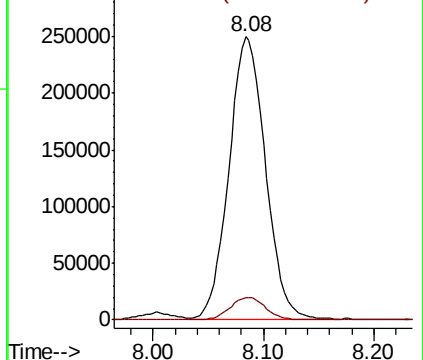


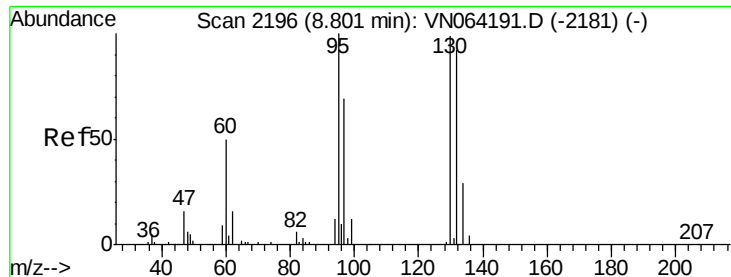
#36
1,2-Dichloroethane
Concen: 93.629 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion:	62	Resp:	571445
Ion	Ratio	Lower	Upper
62	100		
98	7.8	6.3	9.5



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

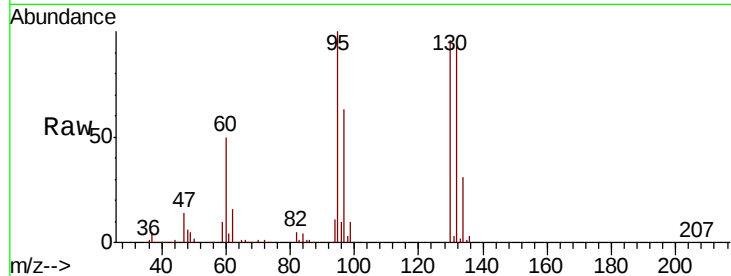




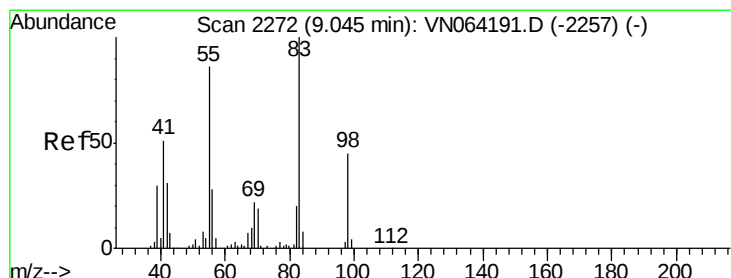
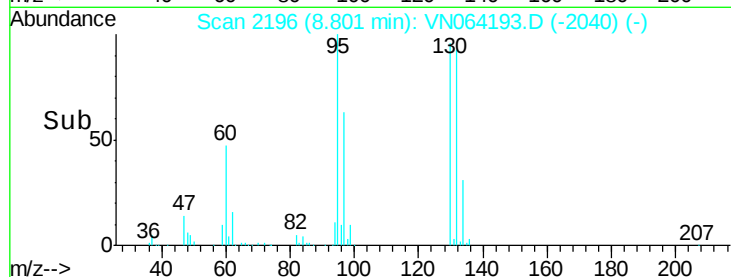
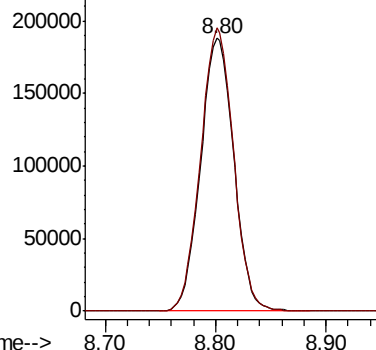
#37
 Trichloroethene
 Concen: 105.053 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:130 Resp: 392627
 Ion Ratio Lower Upper
 130 100
 95 103.7 81.0 121.4

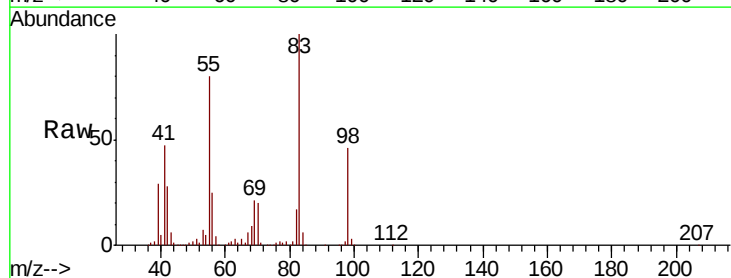


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

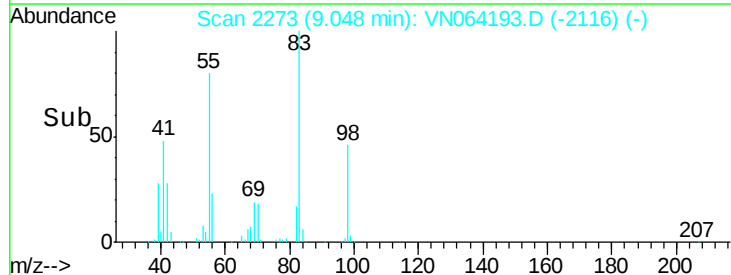
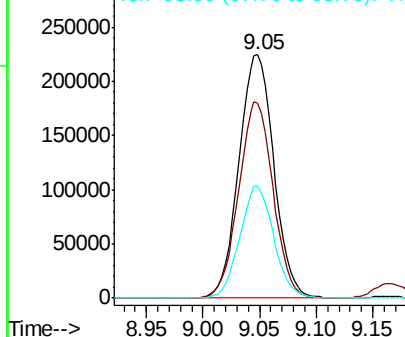


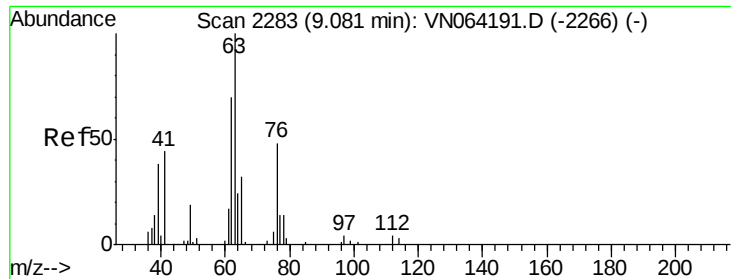
#38
 Methylcyclohexane
 Concen: 112.524 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion: 83 Resp: 484466
 Ion Ratio Lower Upper
 83 100
 55 79.0 40.3 120.9
 98 44.7 22.4 67.0



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

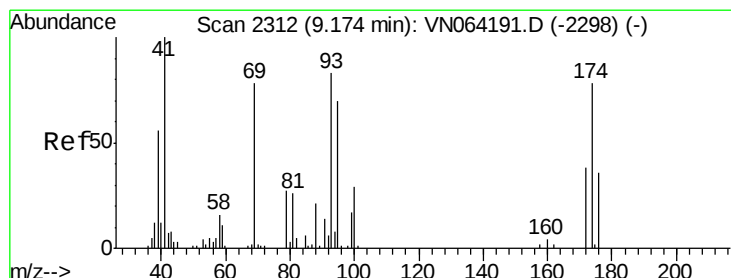
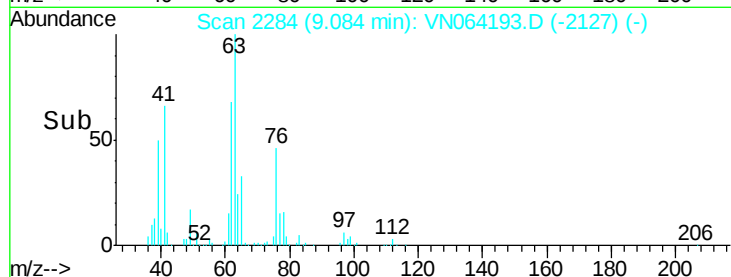
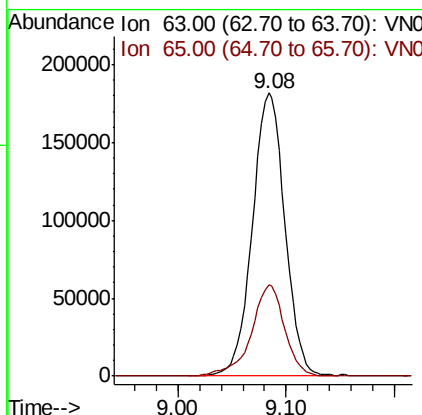
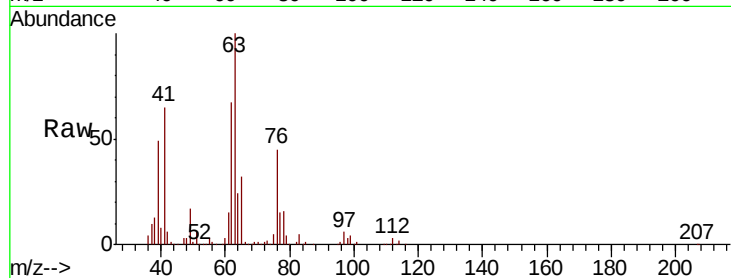




#39
 1,2-Dichloropropane
 Concen: 100.158 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

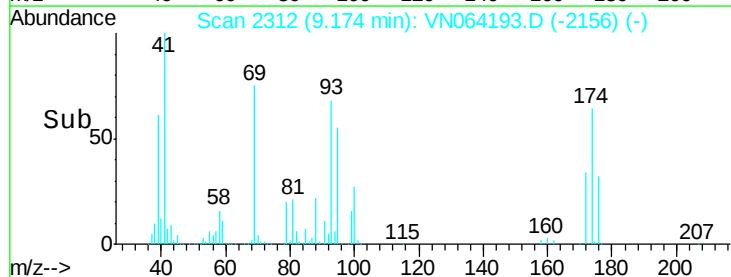
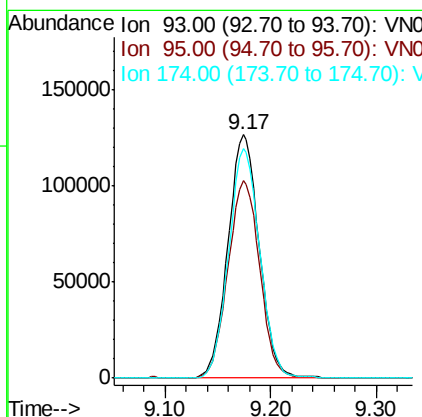
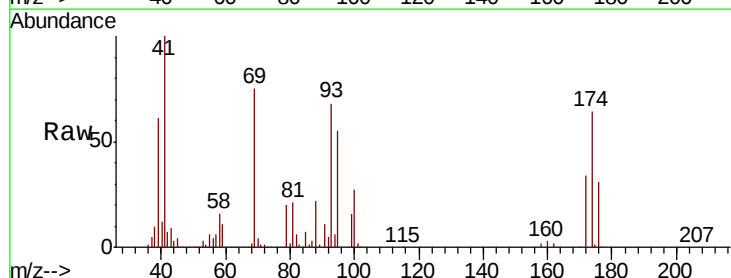
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

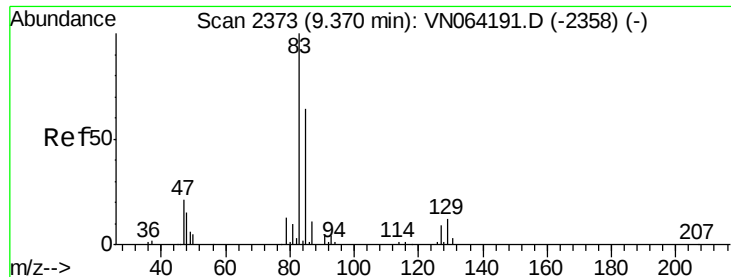
Tot Ion: 63 Resp: 380410
 Ion Ratio Lower Upper
 63 100
 65 32.2 26.5 39.7



#40
 Dibromomethane
 Concen: 98.050 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion: 93 Resp: 259111
 Ion Ratio Lower Upper
 93 100
 95 82.0 0.0 169.2
 174 93.9 0.0 187.4

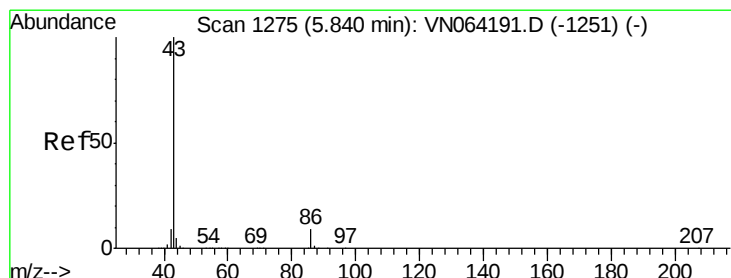
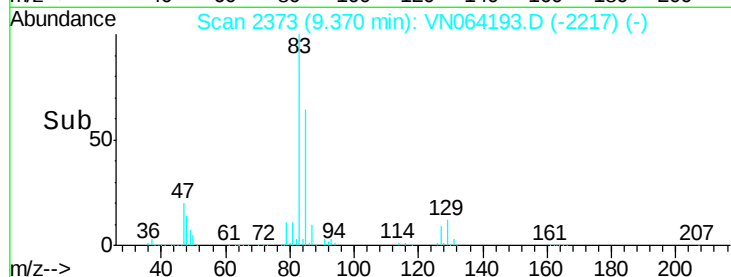
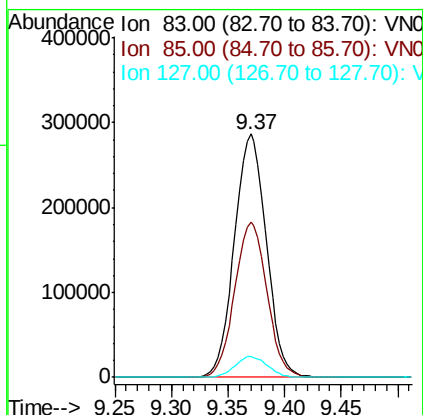
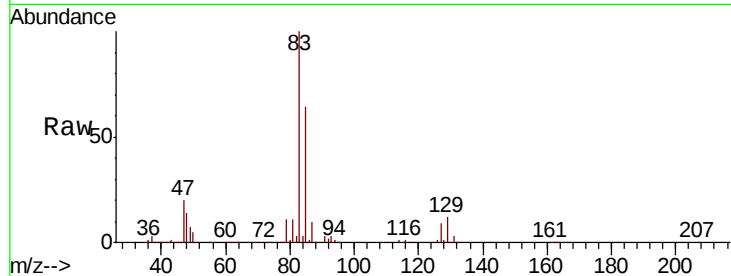




#41
 Bromodichloromethane
 Concen: 101.507 ug/l
 RT: 9.37 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

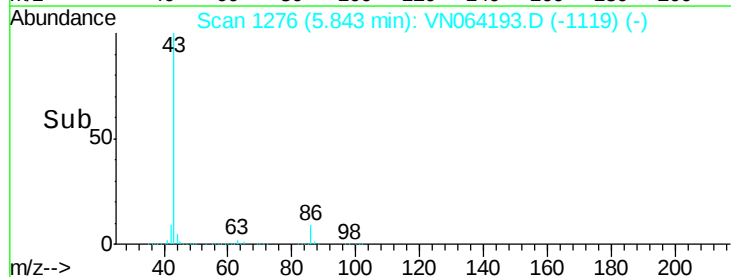
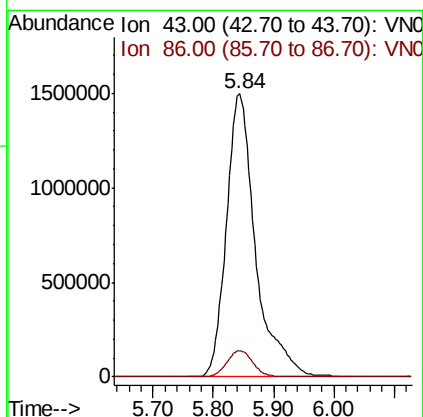
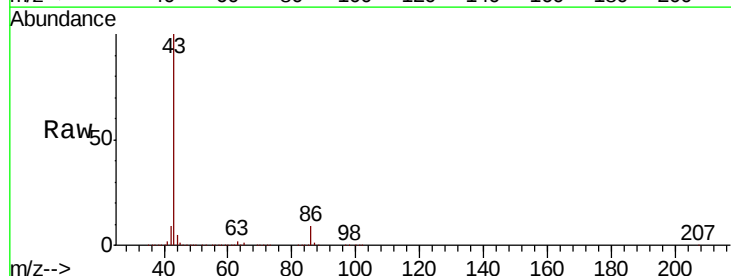
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

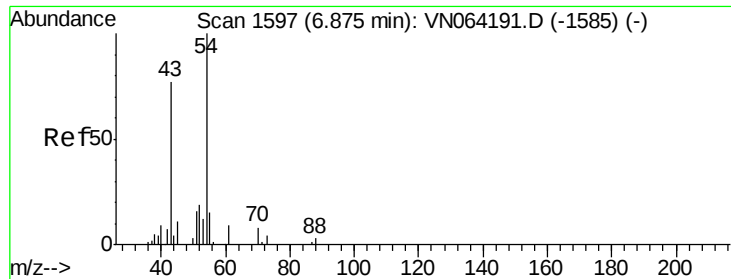
Tot Ion	83	Resp	565966
Ion Ratio	100		
85	63.8	51.5	77.3
127	8.7	6.8	10.2



#42
 Vinyl Acetate
 Concen: 500.987 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion	43	Resp	5038350
Ion Ratio	100		
86	8.3	6.7	10.1





#43

Ethyl Acetate

Concen: 90.923 ug/l

RT: 6.88 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

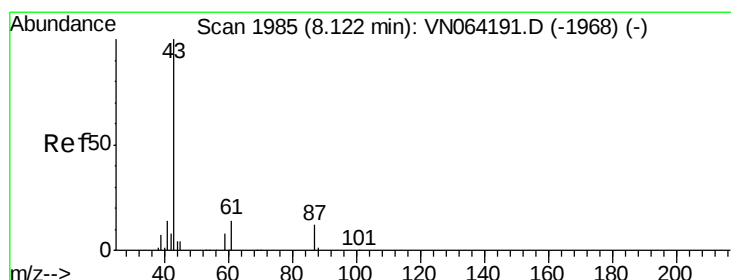
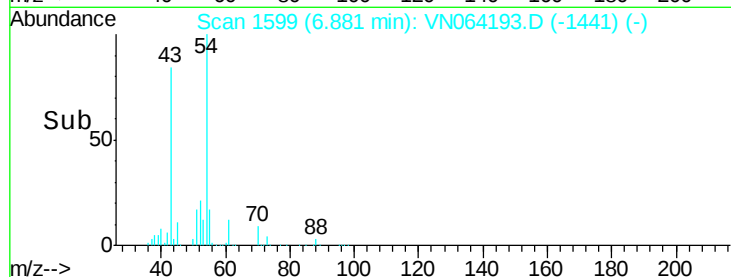
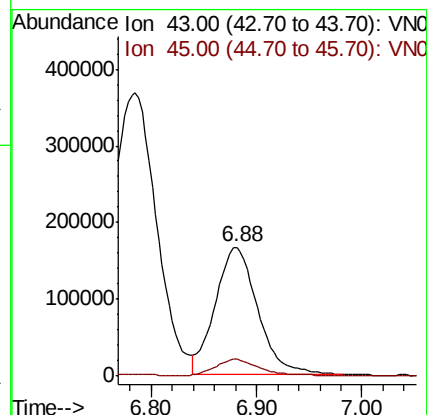
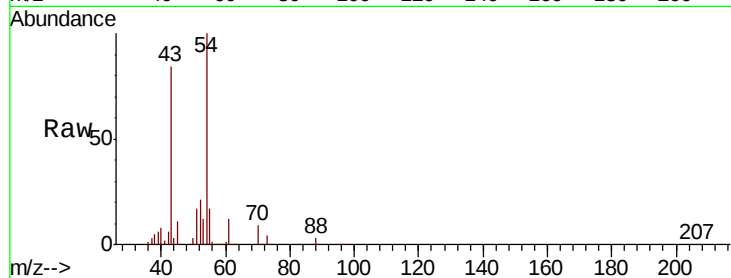
VSTDIC100

Tot Ion: 43 Resp: 465782

Ion Ratio Lower Upper

43 100

45 13.8 9.8 14.8



#44

Isopropyl Acetate

Concen: 101.633 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064193.D

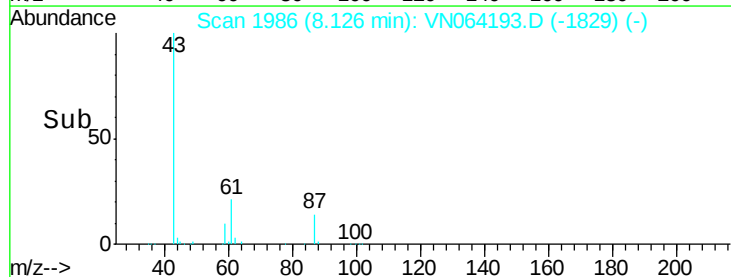
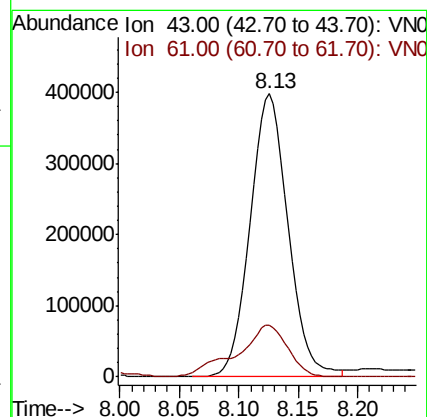
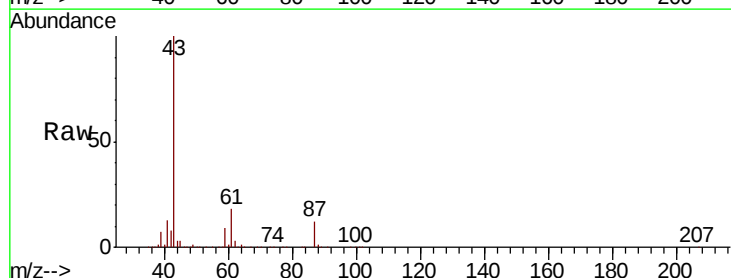
Acq: 20 Oct 2020 11:11

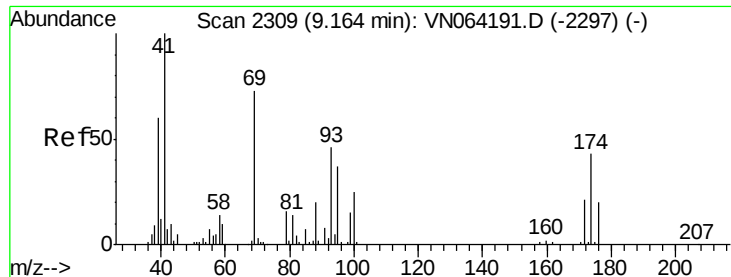
Tgt Ion: 43 Resp: 878568

Ion Ratio Lower Upper

43 100

61 18.5 18.7 28.1#

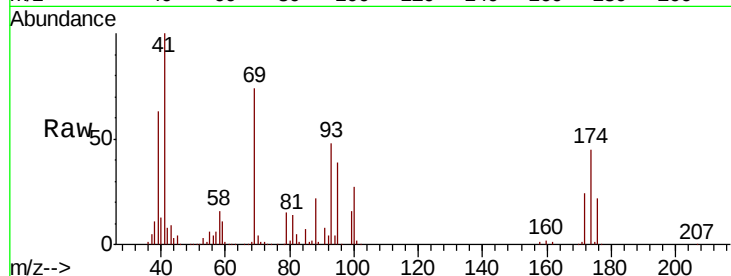




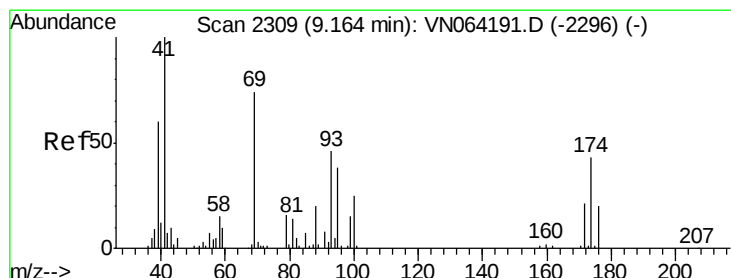
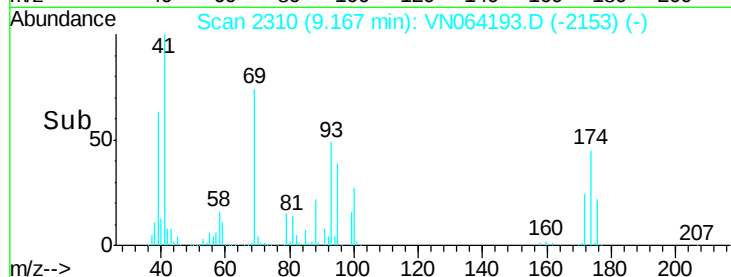
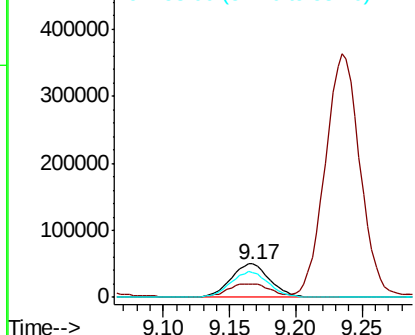
#45
 1,4-Dioxane
 Concen: 1905.024 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 88 Resp: 103031
 Ion Ratio Lower Upper
 88 100
 43 39.0 37.0 55.4
 58 75.0 62.4 93.6

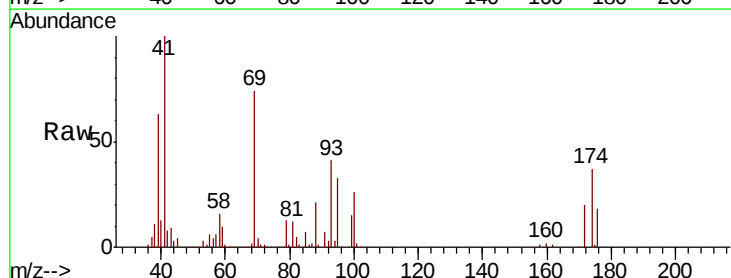


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

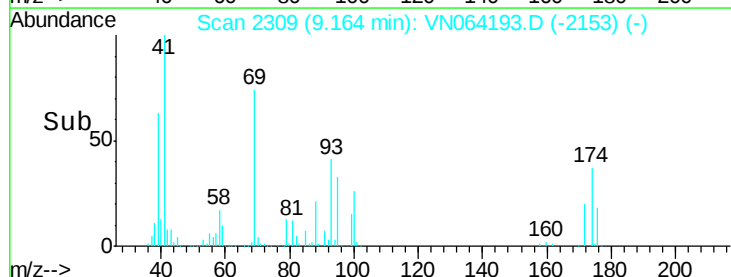
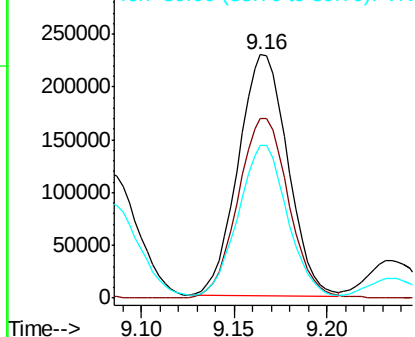


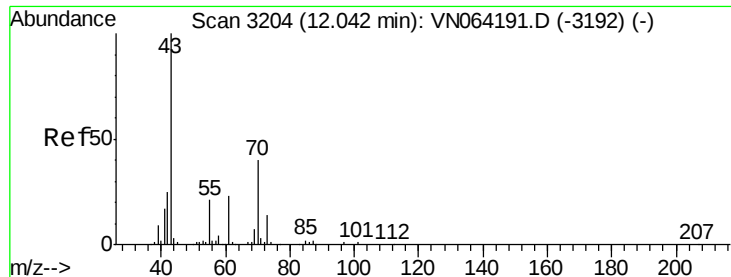
#46
 Methyl methacrylate
 Concen: 99.776 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion: 41 Resp: 425575
 Ion Ratio Lower Upper
 41 100
 69 74.3 36.8 110.4
 39 62.3 30.4 91.2



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

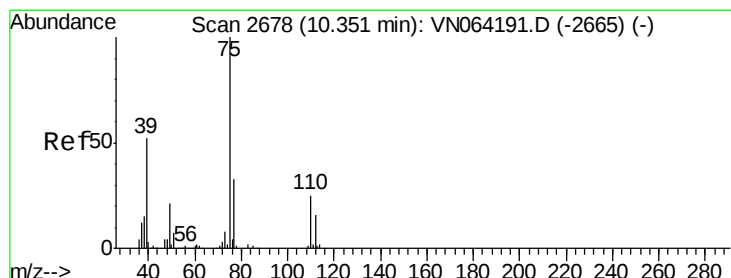
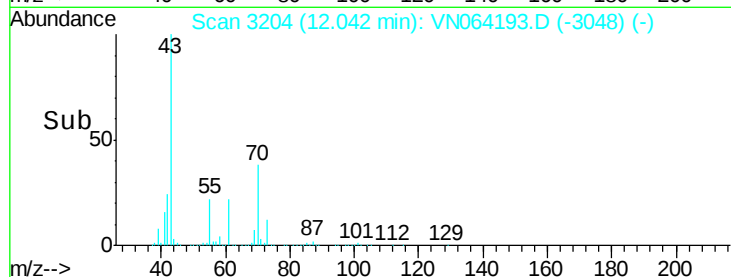
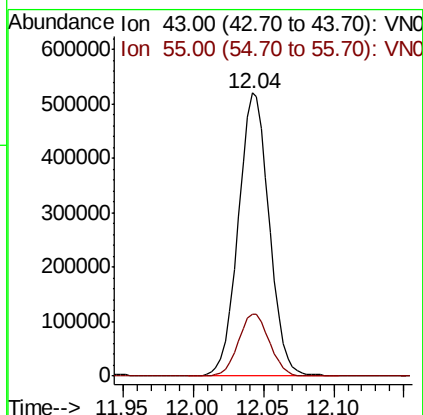
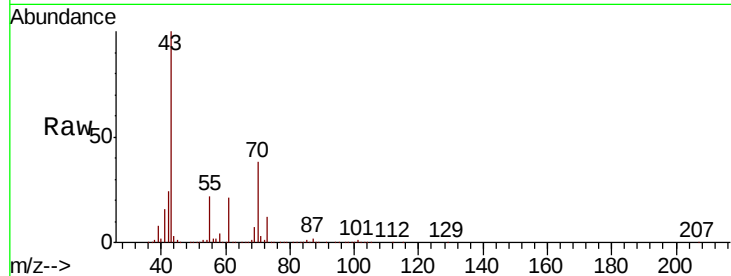




#47
 n-amvl Acetate
 Concen: 103.212 ug/l
 RT: 12.04 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

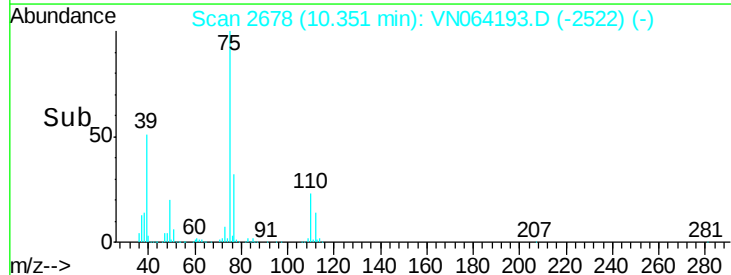
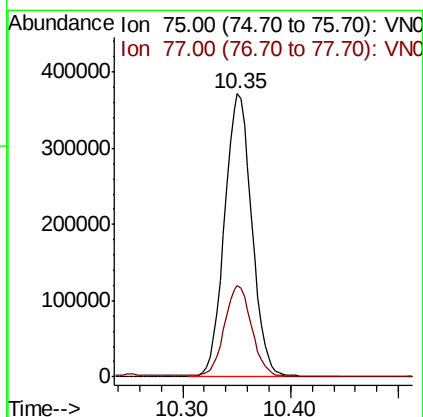
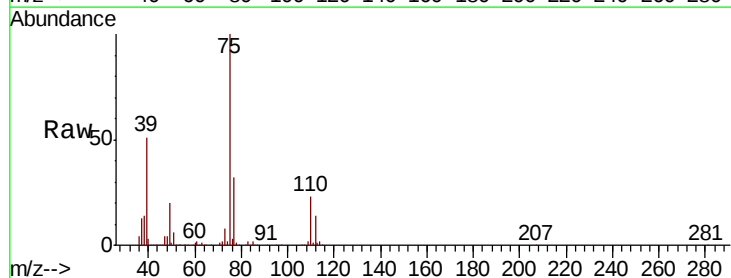
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

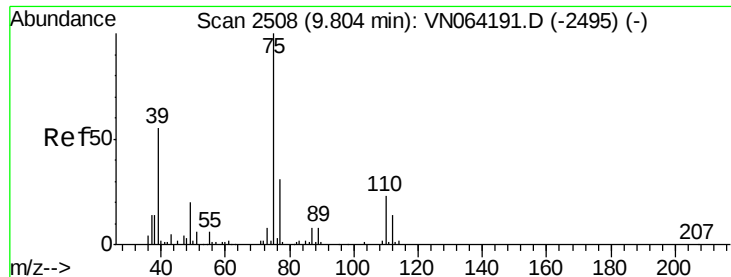
Tot Ion: 43 Resp: 794986
 Ion Ratio Lower Upper
 43 100
 55 22.1 17.6 26.4



#48
 t-1,3-Dichloropropene
 Concen: 108.071 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion: 75 Resp: 655500
 Ion Ratio Lower Upper
 75 100
 77 32.2 27.4 41.2



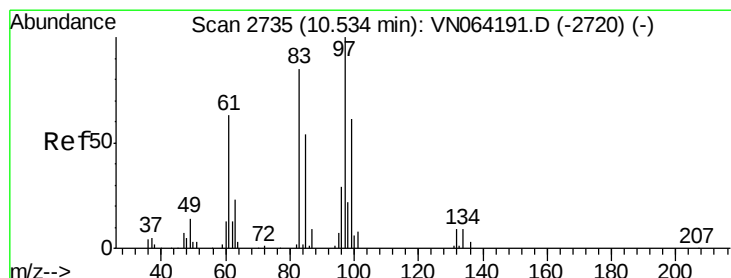
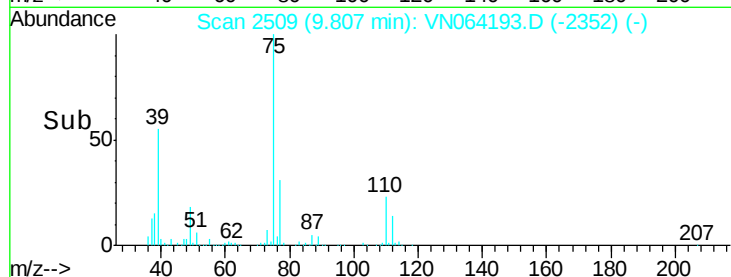
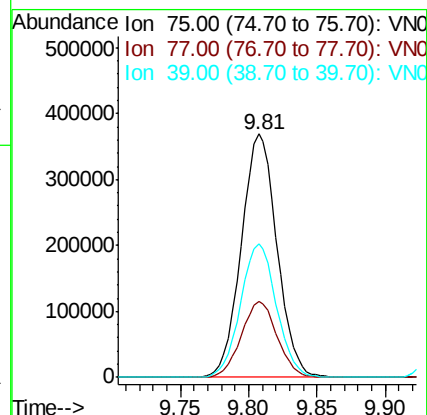
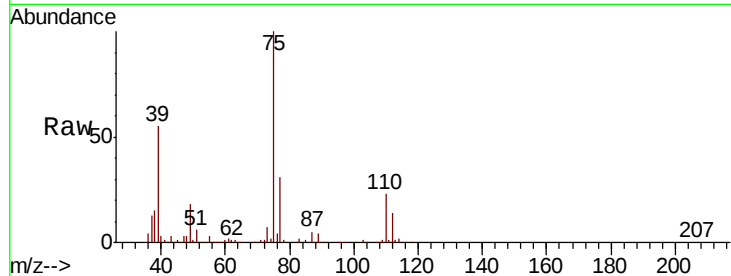


#49

cis-1,3-Dichloropropene
Concen: 106.365 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

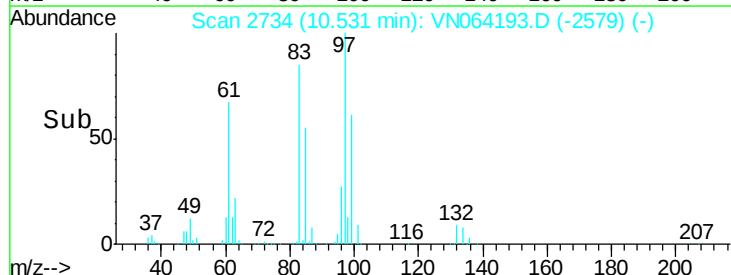
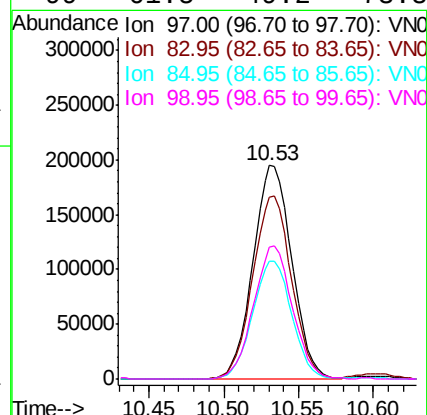
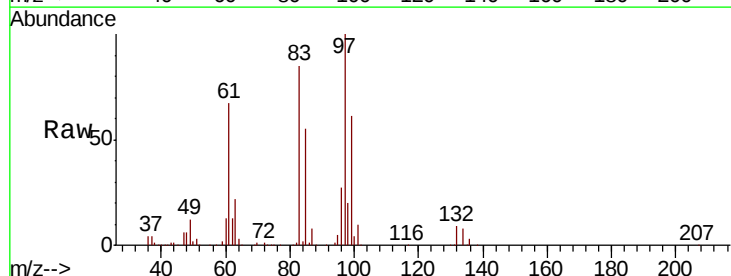
Tot Ion	75	Resp	670455
Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.5	36.7
39	54.7	43.8	65.8

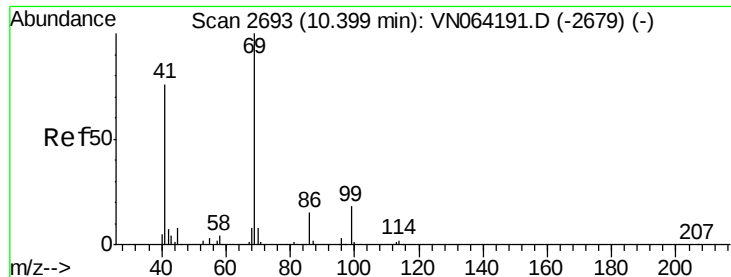


#50

1,1,2-Trichloroethane
Concen: 98.751 ug/l
RT: 10.53 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion	97	Resp	352379
Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.7	101.5
85	55.3	43.2	64.8
99	61.5	49.2	73.8





#51

Ethyl methacrylate

Concen: 106.694 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

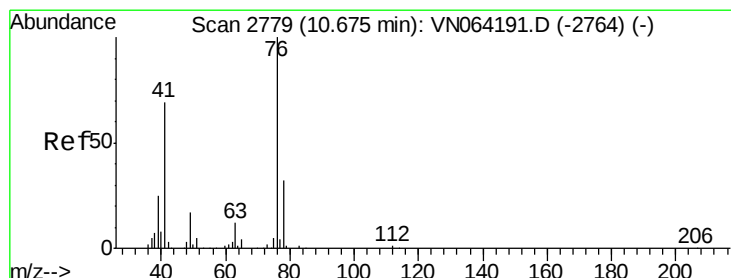
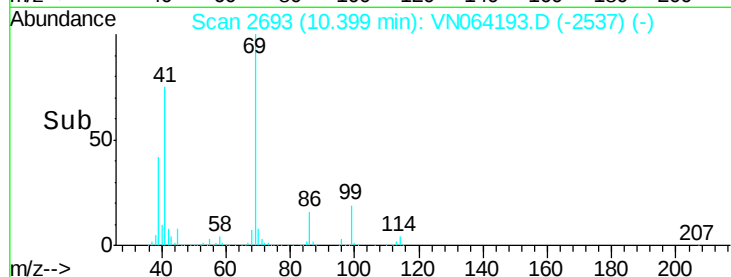
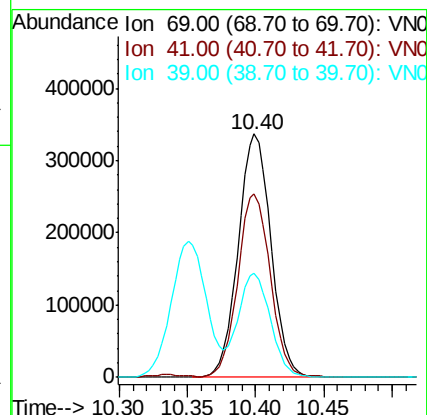
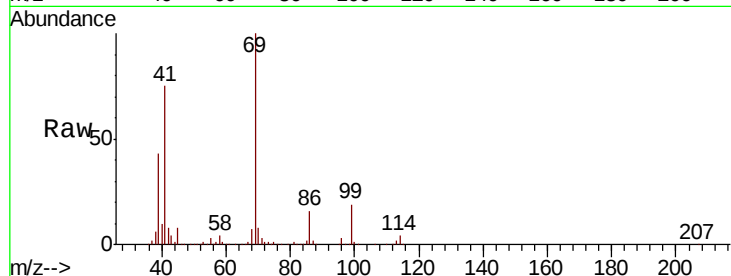
Tot Ion: 69 Resp: 561002

Ion Ratio Lower Upper

69 100

41 75.0 38.0 114.1

39 42.4 21.4 64.3



#52

1,3-Dichloropropane

Concen: 100.147 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN064193.D

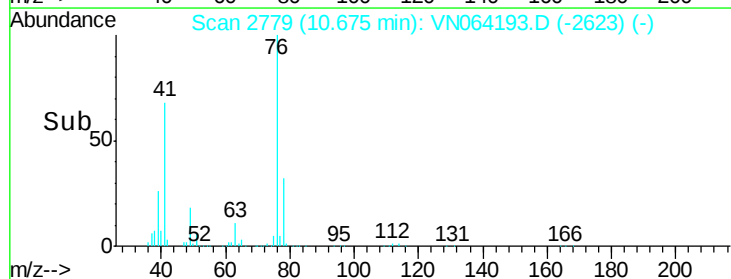
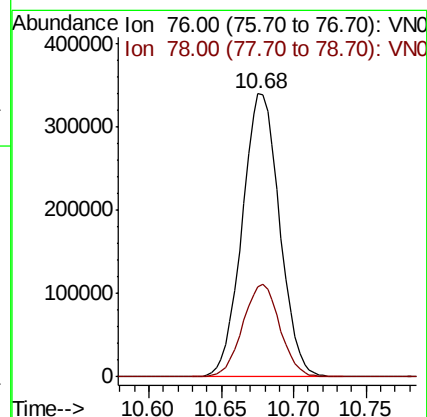
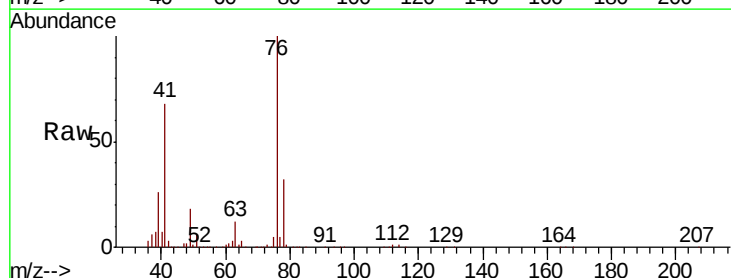
Acq: 20 Oct 2020 11:11

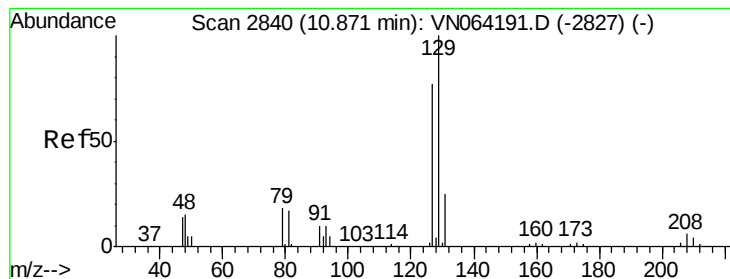
Tgt Ion: 76 Resp: 612233

Ion Ratio Lower Upper

76 100

78 32.6 0.0 64.4





#53

Dibromochloromethane

Concen: 108.949 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

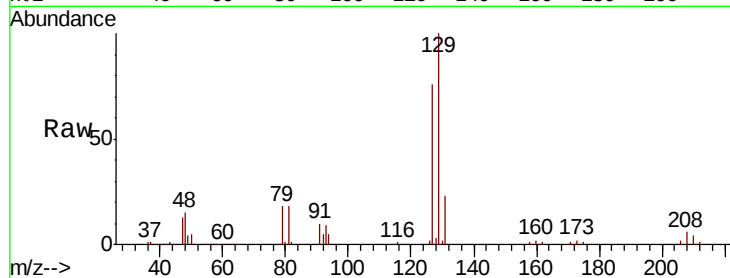
VSTDIC100

Tot Ion:129 Resp: 451789

Ion Ratio Lower Upper

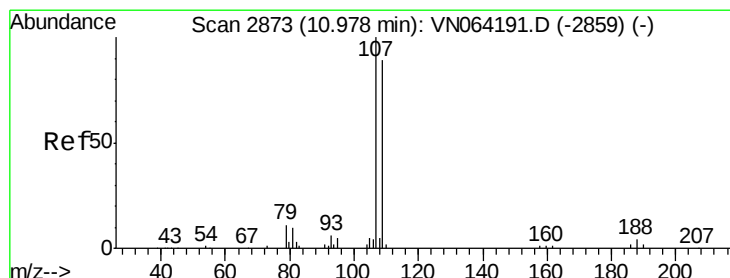
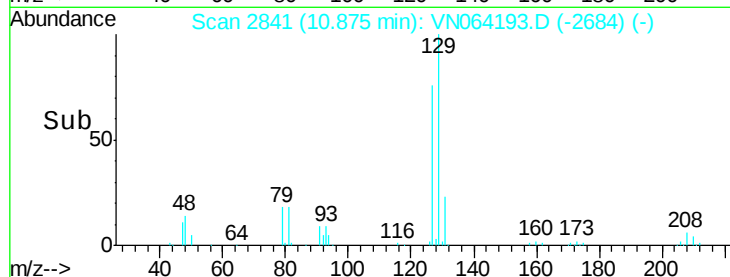
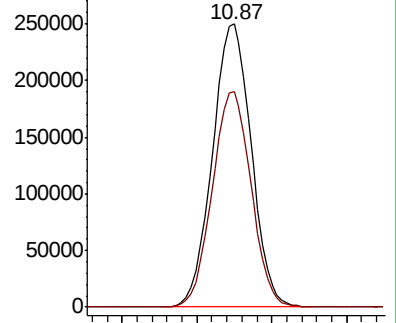
129 100

127 76.1 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 101.547 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064193.D

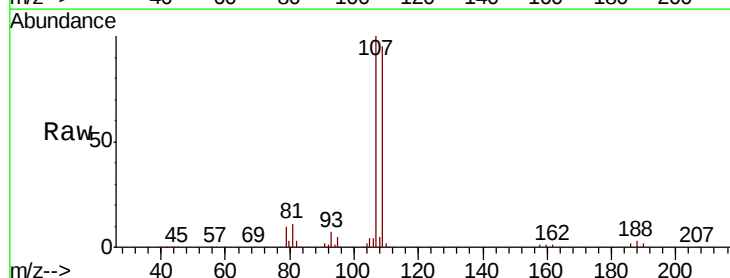
Acq: 20 Oct 2020 11:11

Tgt Ion:107 Resp: 379325

Ion Ratio Lower Upper

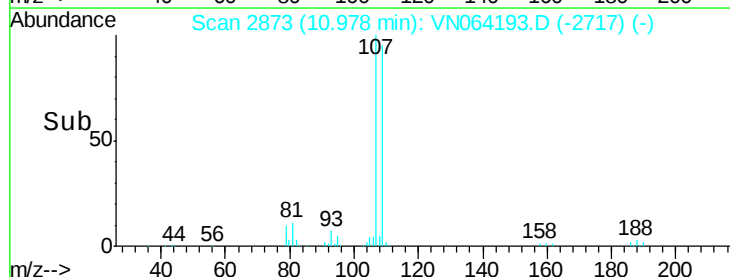
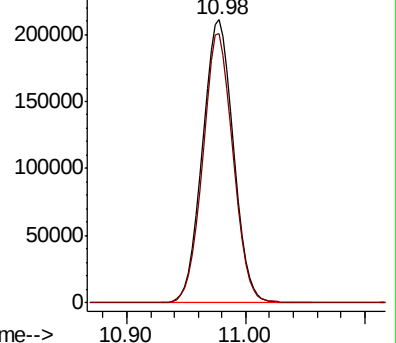
107 100

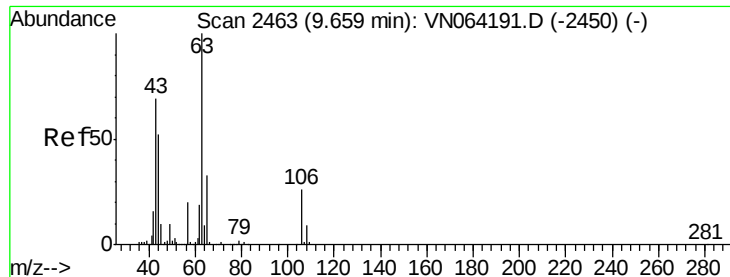
109 93.0 71.8 107.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 519.989 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

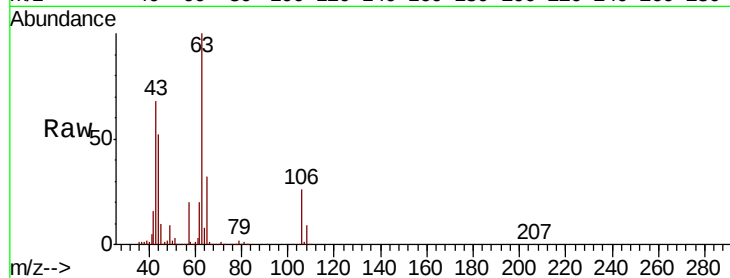
Tot Ion: 63 Resp: 1467589

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.9	38.9
106	26.8	21.4	32.2

63 100

65 32.1 25.9 38.9

106 26.8 21.4 32.2

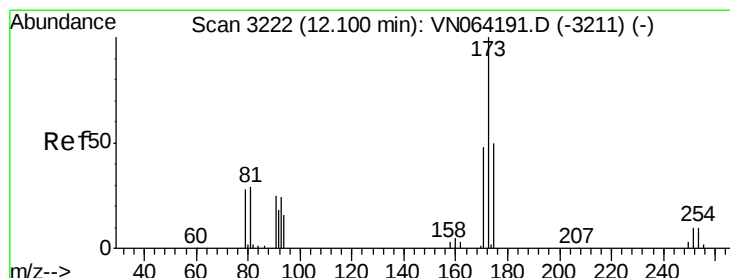
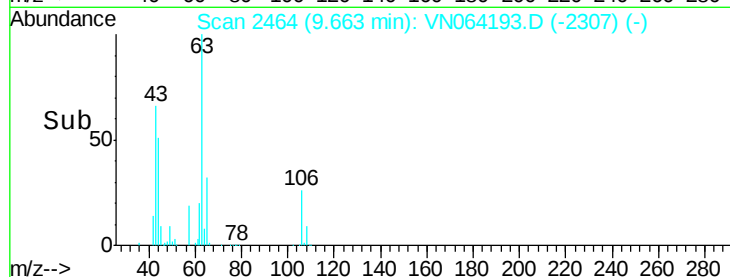
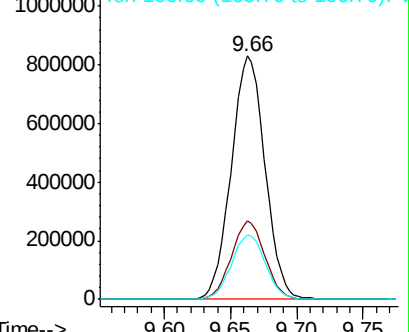


Abundance

Ion 63.00 (62.70 to 63.70): VN064193.D (-2307) (-)

Ion 65.00 (64.70 to 65.70): VN064193.D (-2307) (-)

Ion 106.00 (105.70 to 106.70): VN064193.D (-2307) (-)



#56

Bromoform

Concen: 109.724 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

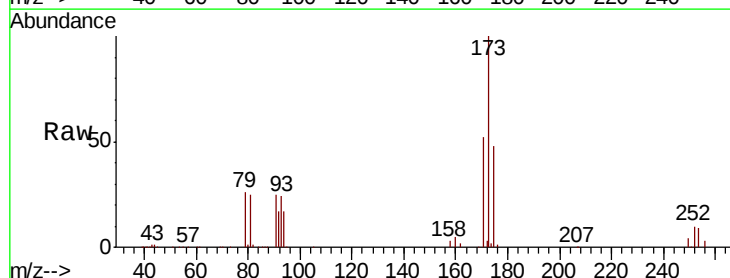
Tgt Ion: 173 Resp: 318742

Ion	Ratio	Lower	Upper
173	100		
175	48.5	39.0	58.4
254	9.0	6.8	10.2

173 100

175 48.5 39.0 58.4

254 9.0 6.8 10.2

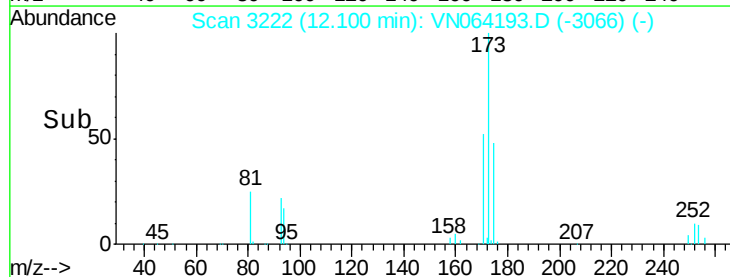
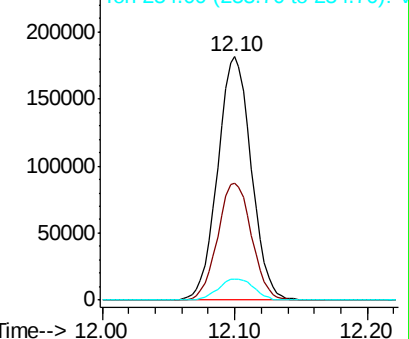


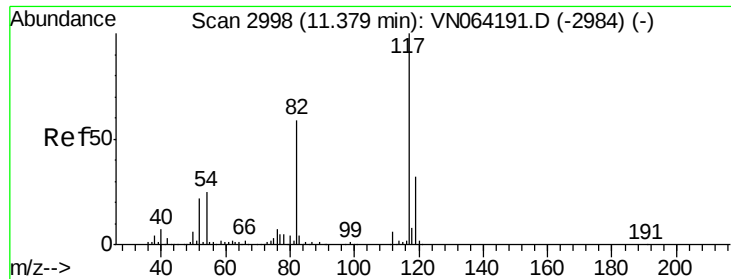
Abundance

Ion 173.00 (172.70 to 173.70): VN064193.D (-3066) (-)

Ion 175.00 (174.70 to 175.70): VN064193.D (-3066) (-)

Ion 254.00 (253.70 to 254.70): VN064193.D (-3066) (-)

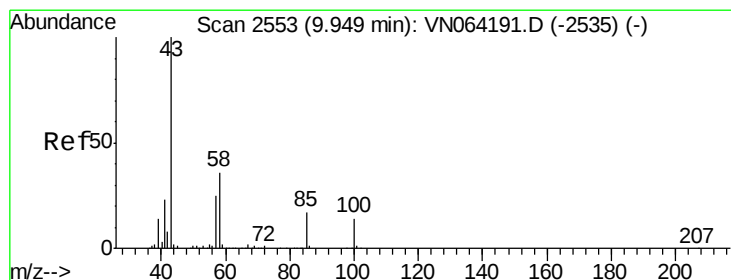
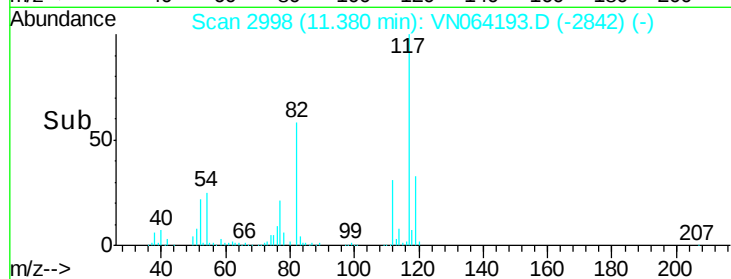
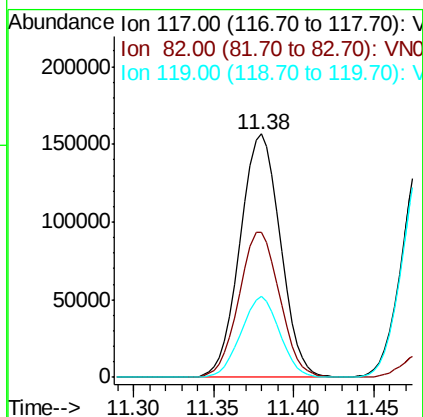
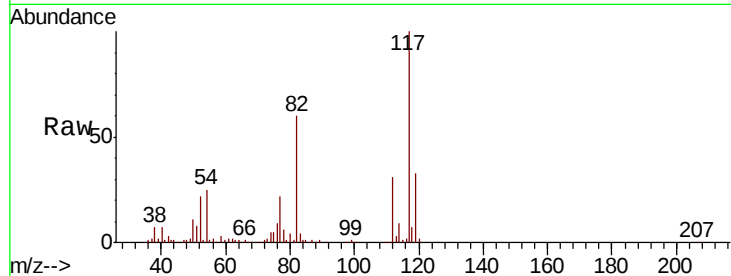




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

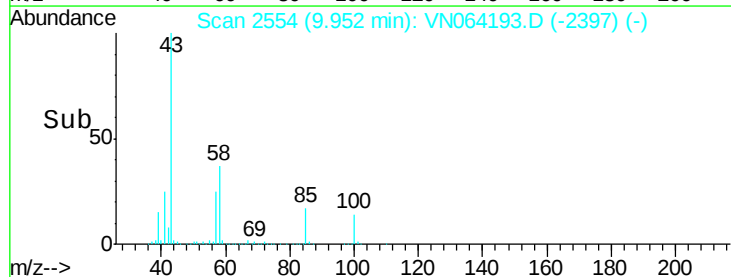
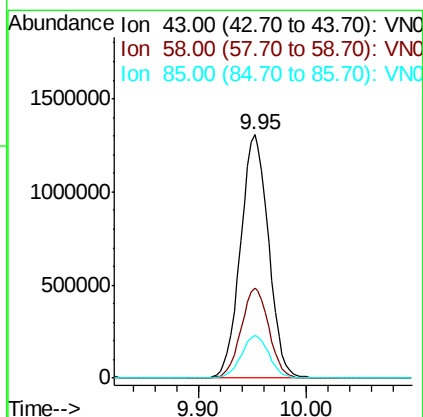
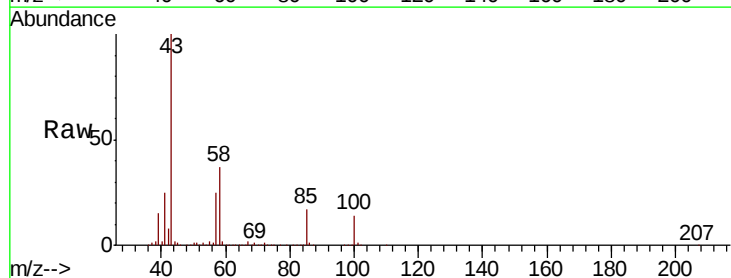
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

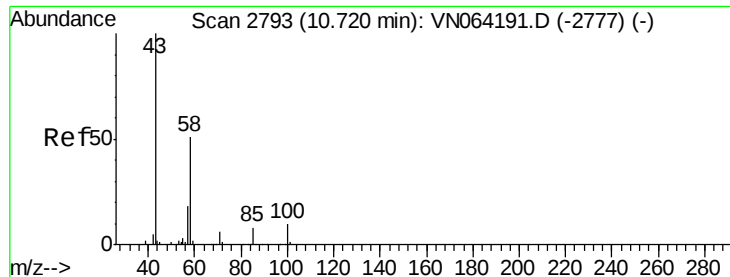
Tot Ion:117 Resp: 269715
Ion Ratio Lower Upper
117 100
82 60.3 47.8 71.8
119 31.9 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 480.699 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion: 43 Resp: 2356804
Ion Ratio Lower Upper
43 100
58 36.7 29.5 44.3
85 17.4 13.7 20.5

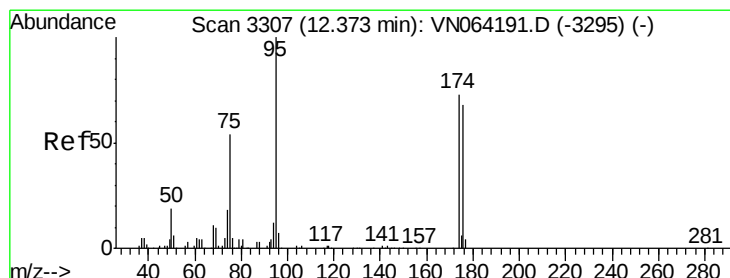
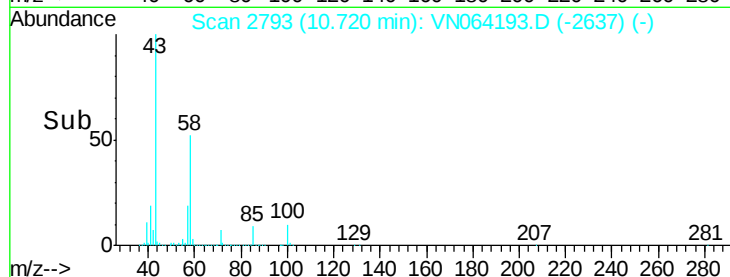
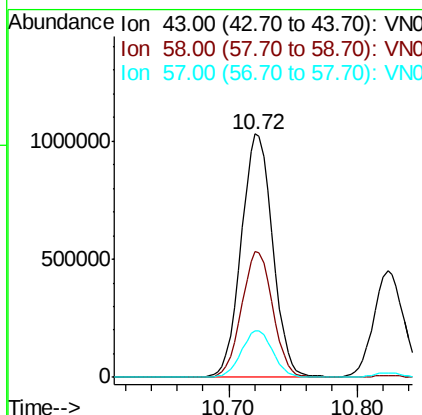
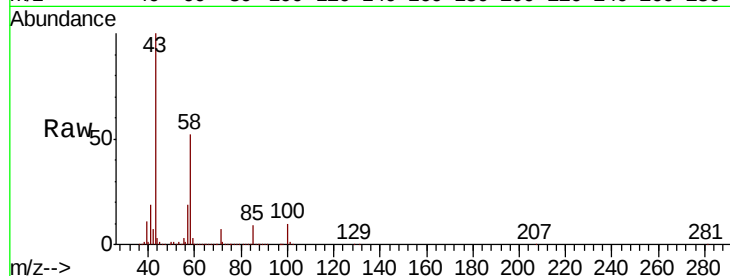




#59
2-Hexanone
Concen: 475.757 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

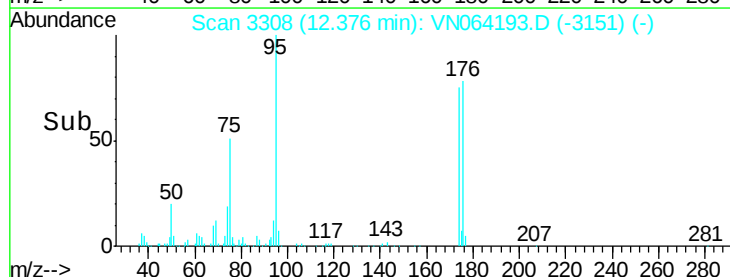
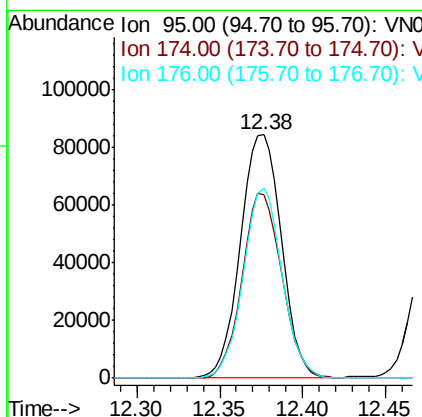
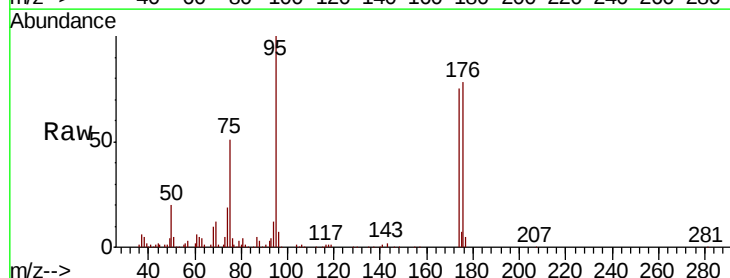
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

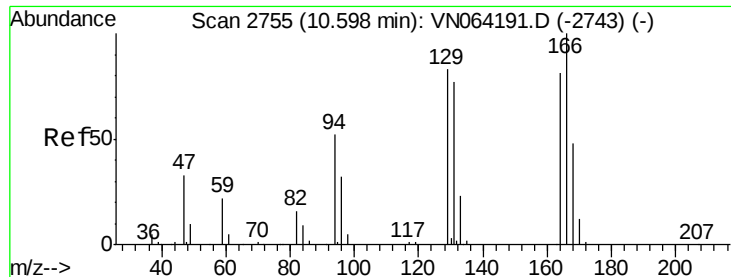
Tot Ion: 43 Resp: 1743672
Ion Ratio Lower Upper
43 100
58 51.4 40.2 60.4
57 19.2 14.8 22.2



#60
4-Bromofluorobenzene
Concen: 31.012 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion: 95 Resp: 145794
Ion Ratio Lower Upper
95 100
174 73.2 57.6 86.4
176 73.7 54.9 82.3





#61

Tetrachloroethene

Concen: 109.795 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 363441

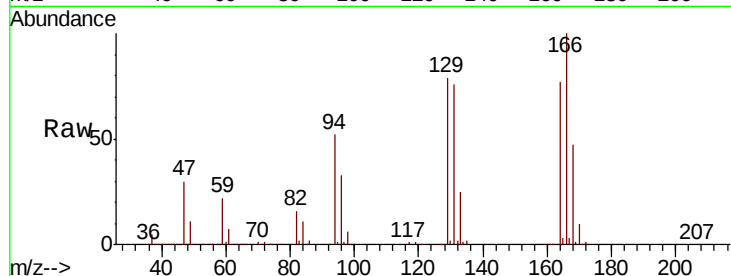
Ion Ratio Lower Upper

164 100

166 130.7 99.2 148.8

129 103.4 82.8 124.2

131 98.9 76.2 114.4

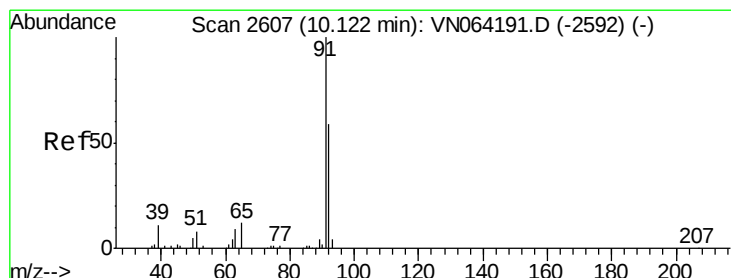
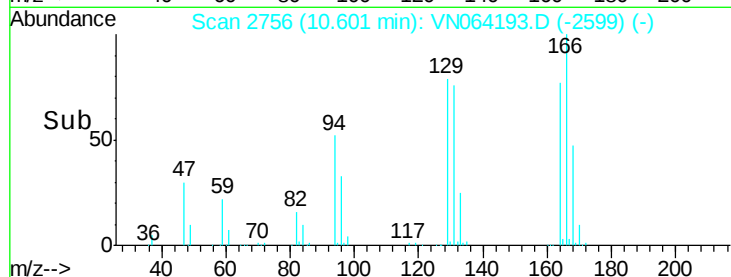
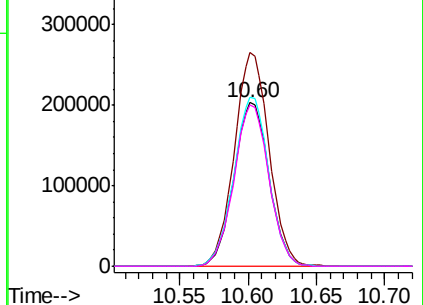


Abundance Ion 163.85 (163.55 to 164.55): V

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: 105.919 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064193.D

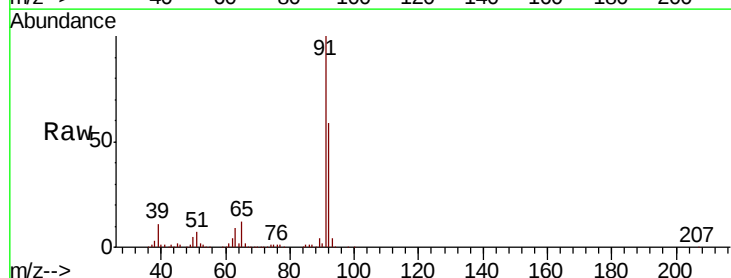
Acq: 20 Oct 2020 11:11

Tgt Ion: 91 Resp: 1582515

Ion Ratio Lower Upper

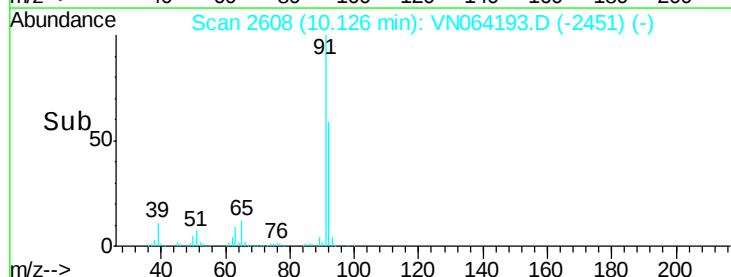
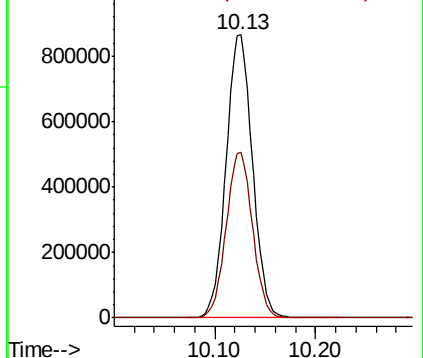
91 100

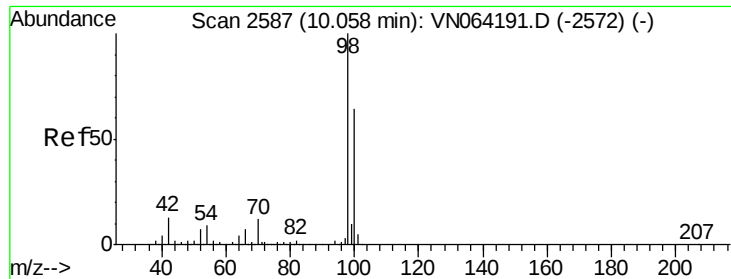
92 58.5 46.8 70.2



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 29.355 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

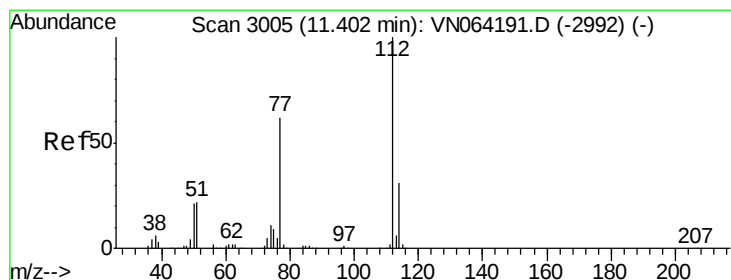
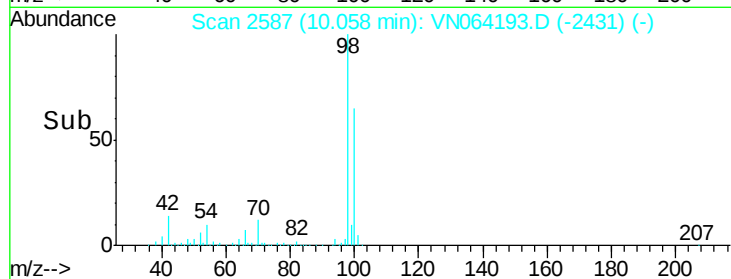
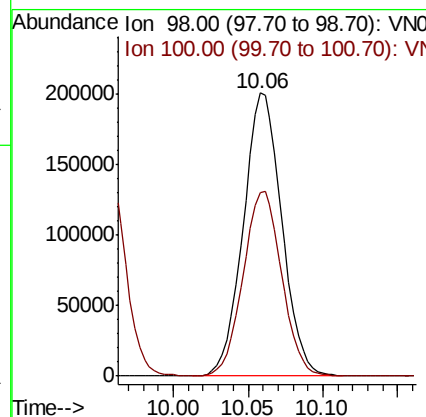
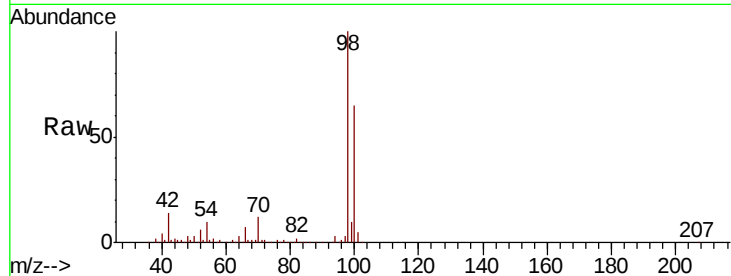
VSTDICC100

Tot Ion: 98 Resp: 359170

Ion Ratio Lower Upper

98 100

100 64.9 51.4 77.2



#64

Chlorobenzene

Concen: 109.211 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064193.D

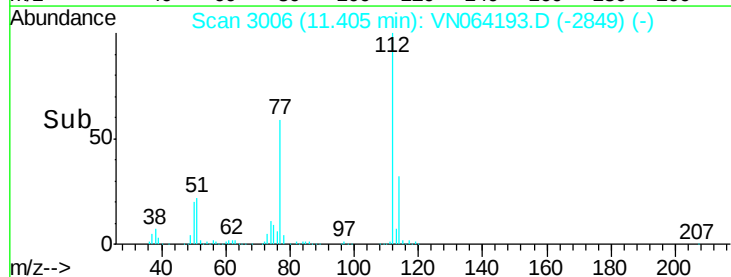
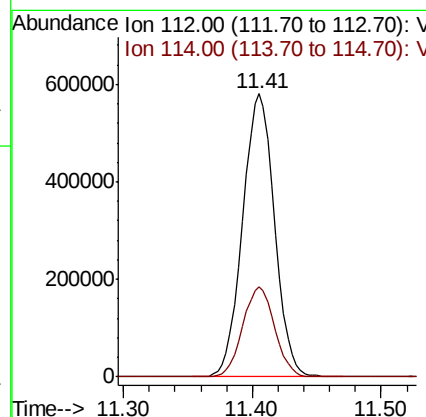
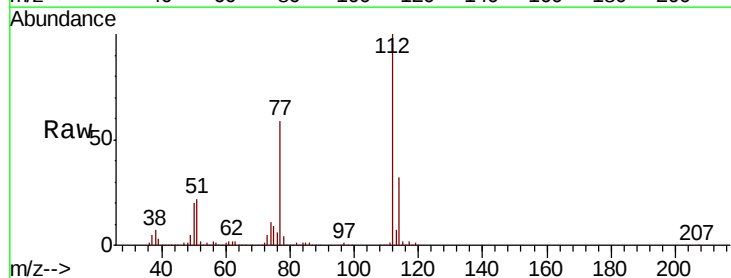
Acq: 20 Oct 2020 11:11

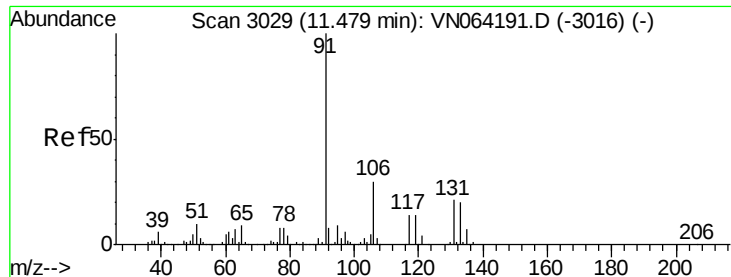
Tgt Ion: 112 Resp: 995979

Ion Ratio Lower Upper

112 100

114 31.8 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 109.298 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

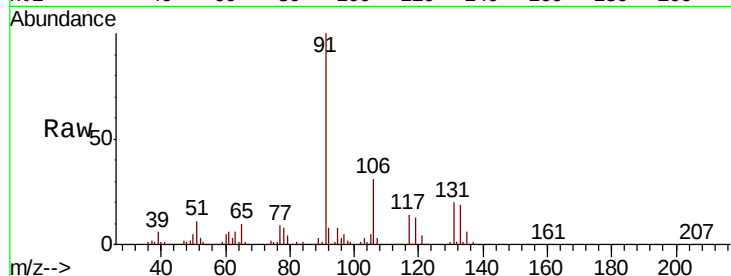
Tot Ion:131 Resp: 388521

Ion Ratio Lower Upper

131 100

133 95.4 0.0 193.0

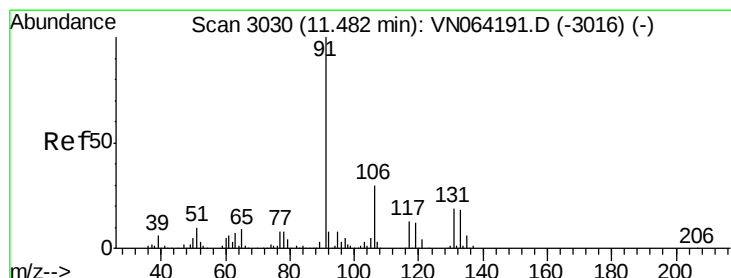
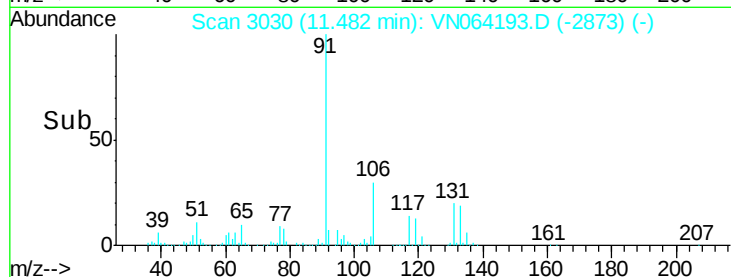
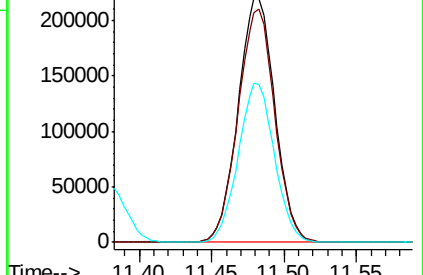
119 64.2 0.0 132.2



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: 109.513 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064193.D

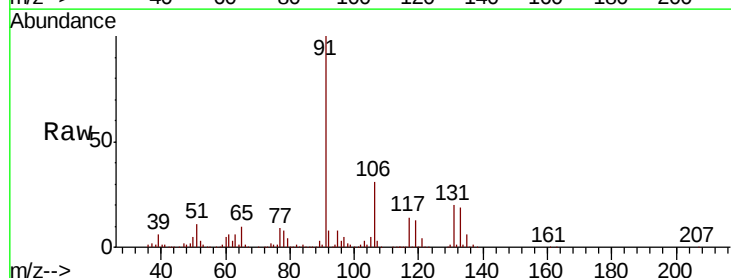
Acq: 20 Oct 2020 11:11

Tgt Ion: 91 Resp: 1821076

Ion Ratio Lower Upper

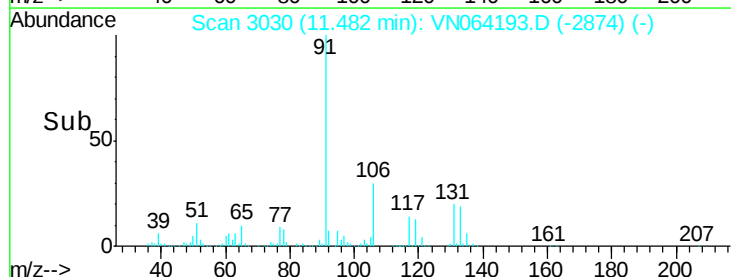
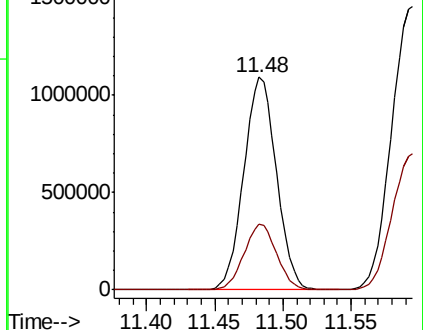
91 100

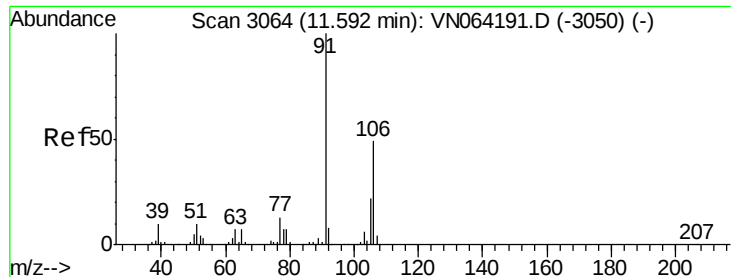
106 31.0 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 220.587 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

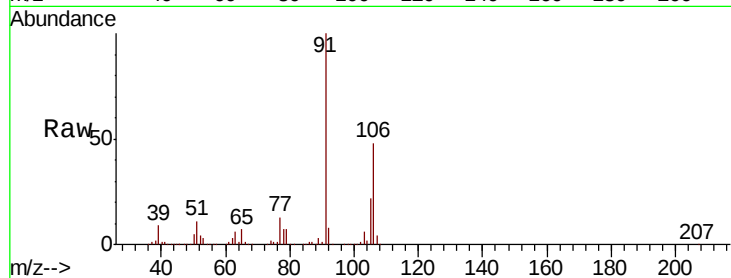
VSTDIC100

Tot Ion:106 Resp: 1356304

Ion Ratio Lower Upper

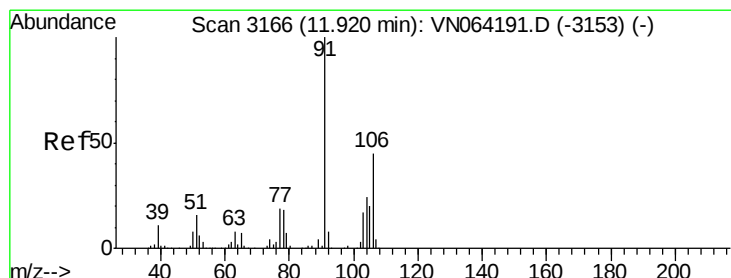
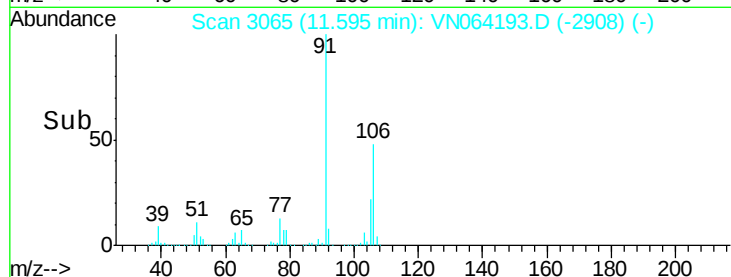
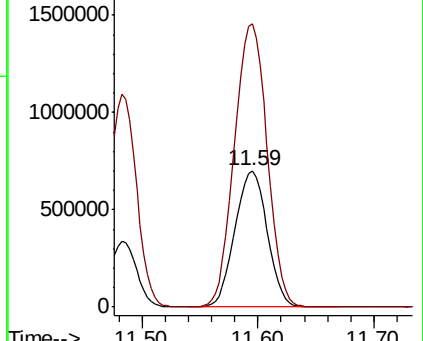
106 100

91 210.3 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 113.028 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. 0.00 min

Lab File: VN064193.D

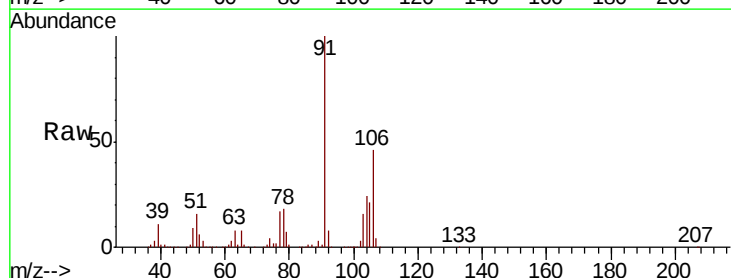
Acq: 20 Oct 2020 11:11

Tgt Ion:106 Resp: 664877

Ion Ratio Lower Upper

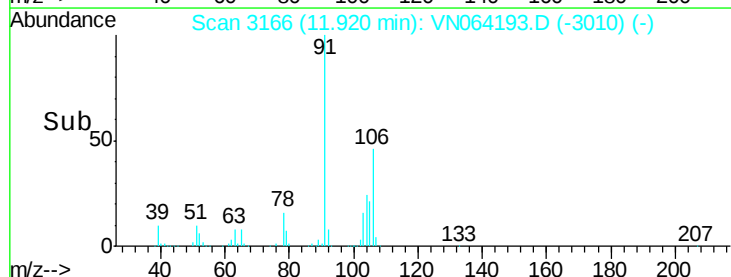
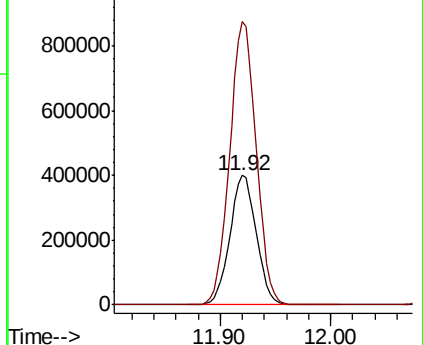
106 100

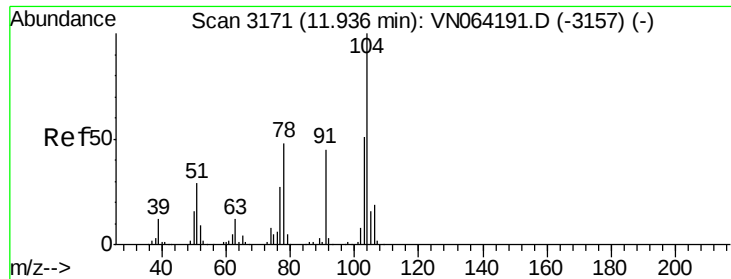
91 218.3 113.9 341.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

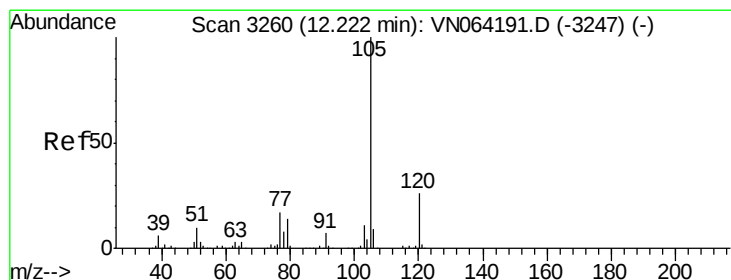
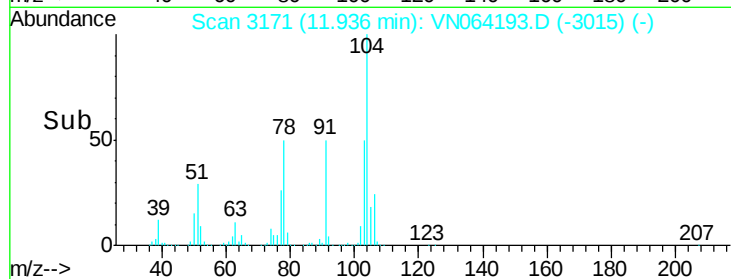
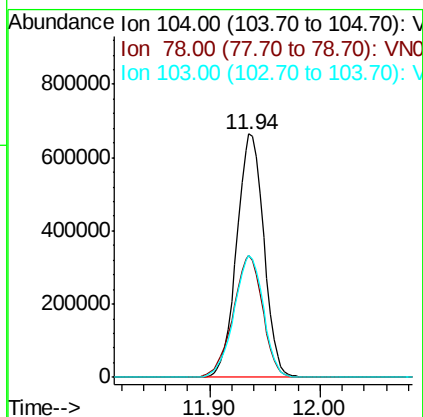
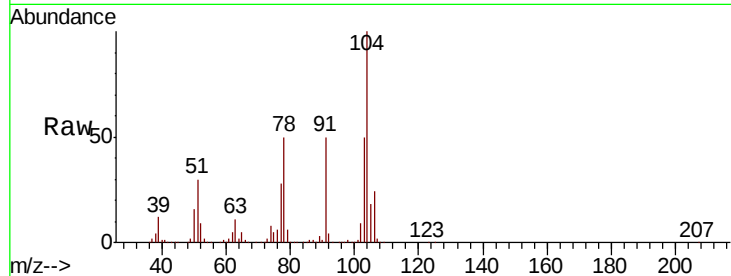




#69
Stvrene
Concen: 113.013 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

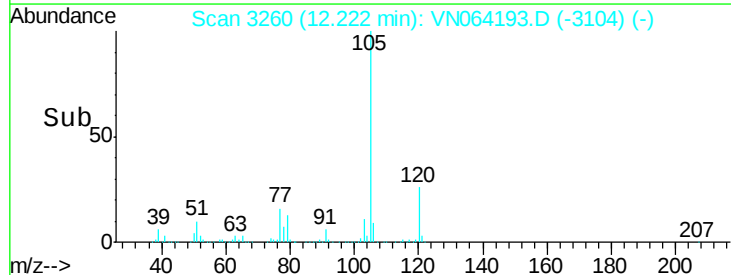
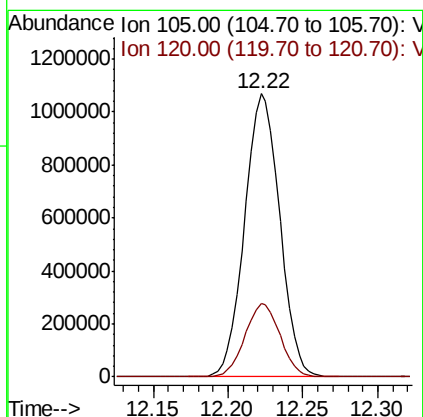
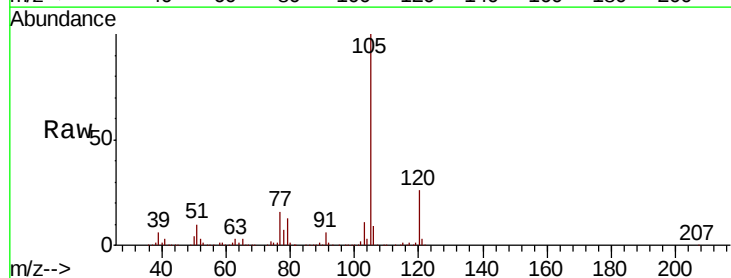
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

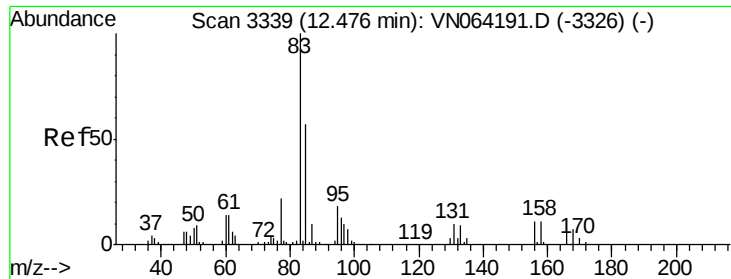
Tot Ion:104 Resp: 1135034
Ion Ratio Lower Upper
104 100
78 54.3 43.6 65.4
103 54.0 44.8 67.2



#70
Isopropylbenzene
Concen: 111.491 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion:105 Resp: 1747158
Ion Ratio Lower Upper
105 100
120 25.9 18.1 33.7

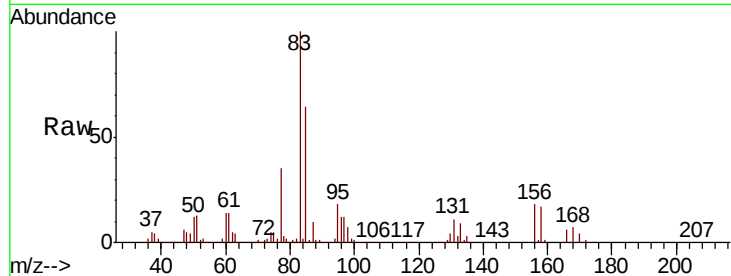




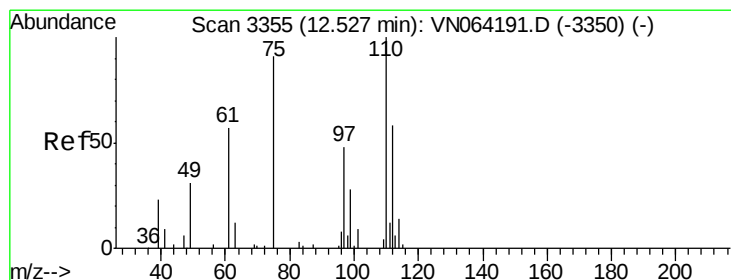
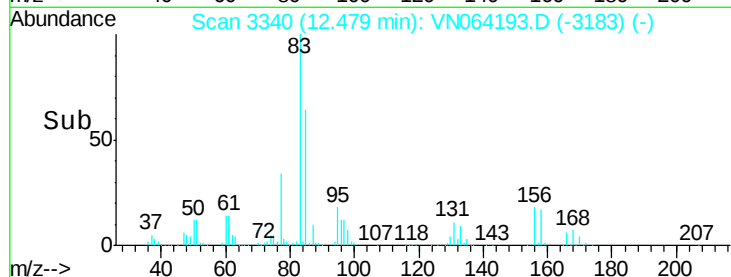
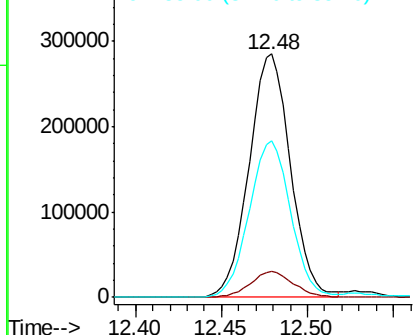
#71
 1,1,2,2-Tetrachloroethane
 Concen: 98.881 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 83 Resp: 475537
 Ion Ratio Lower Upper
 83 100
 131 11.0 5.5 16.4
 85 64.4 30.8 92.4

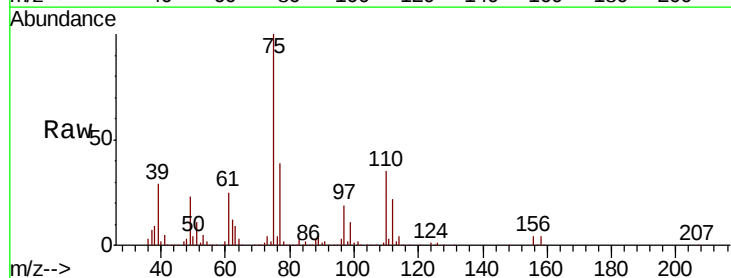


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

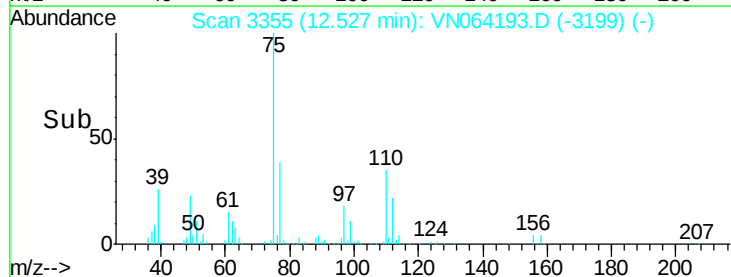
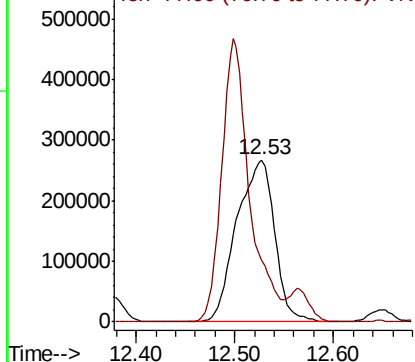


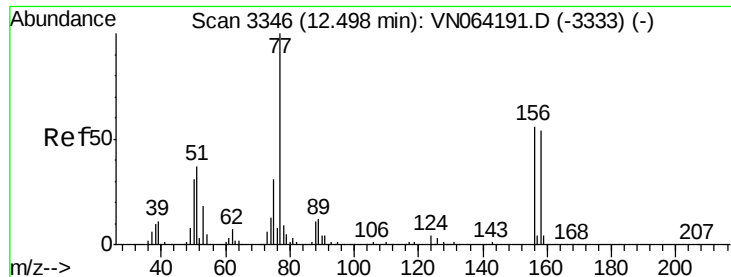
#72
 1,2,3-Trichloropropane
 Concen: 148.418 ug/l
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion: 75 Resp: 712841
 Ion Ratio Lower Upper
 75 100
 77 130.2 0.0 417.6



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





#73

Bromobenzene

Concen: 106.055 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

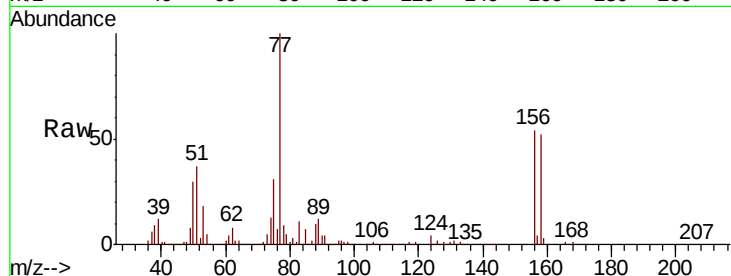
Tot Ion:156 Resp: 420899

Ion Ratio Lower Upper

156 100

77 220.6 0.0 429.8

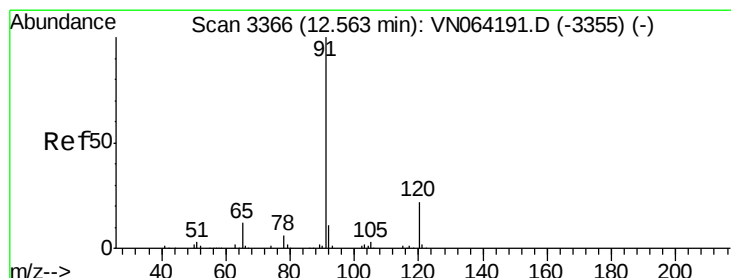
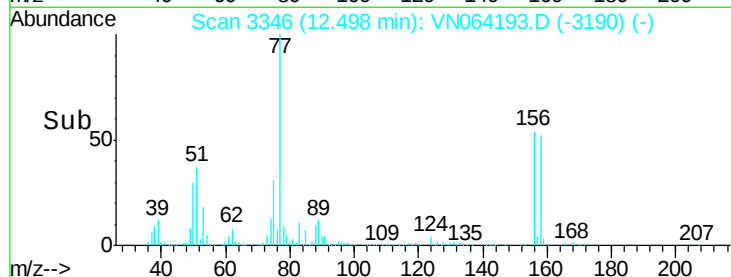
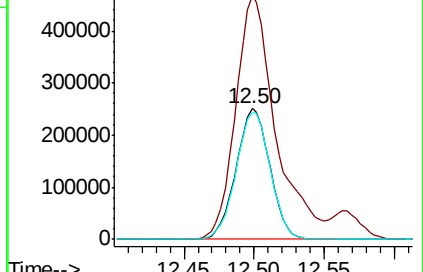
158 98.2 0.0 190.6



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: 110.553 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064193.D

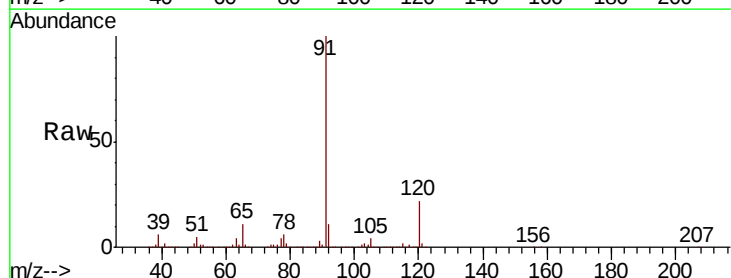
Acq: 20 Oct 2020 11:11

Tgt Ion: 91 Resp: 2015728

Ion Ratio Lower Upper

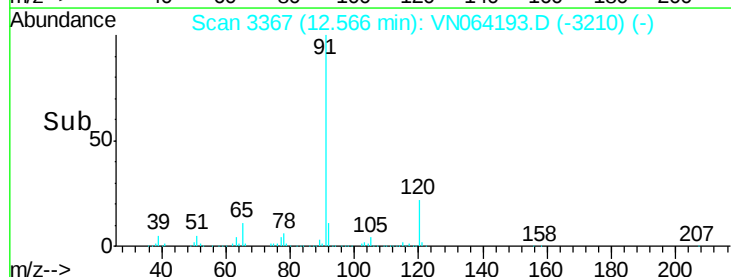
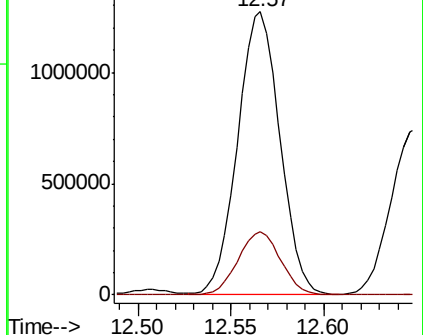
91 100

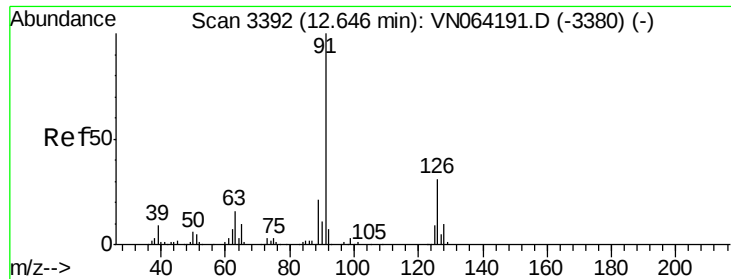
120 22.5 0.0 43.8



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 111.054 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampled :

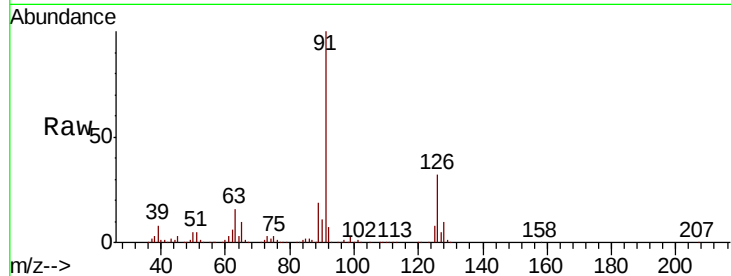
VSTDIC100

Tot Ion: 91 Resp: 1236272

Ion Ratio Lower Upper

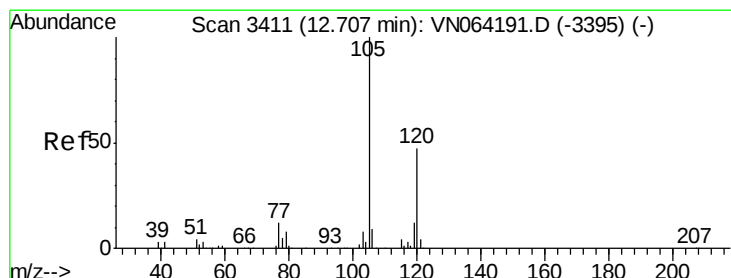
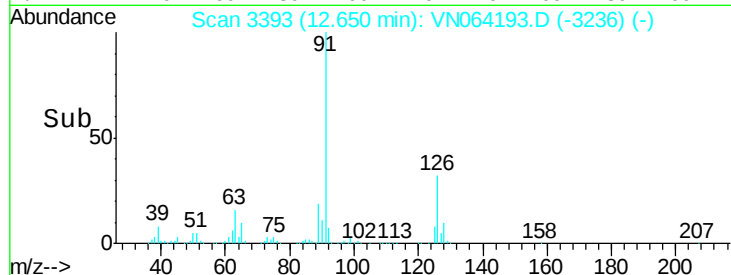
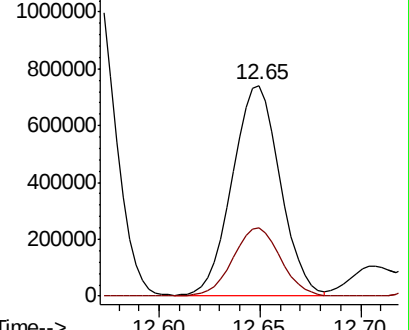
91 100

126 32.3 0.0 62.4



Abundance Ion 91.00 (90.70 to 91.70): VN064193.D (-3392) (-)

Ion 126.00 (125.70 to 126.70): VN064193.D (-3392) (-)



#76

1,3,5-Trimethylbenzene

Concen: 113.740 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064193.D

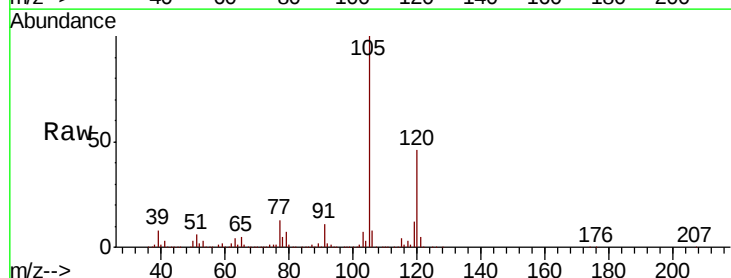
Acq: 20 Oct 2020 11:11

Tgt Ion: 105 Resp: 1504750

Ion Ratio Lower Upper

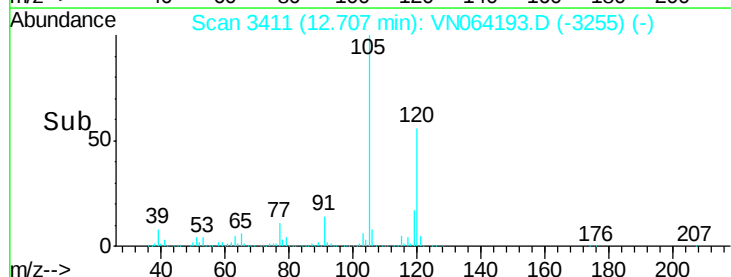
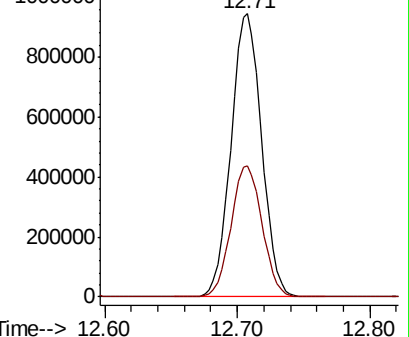
105 100

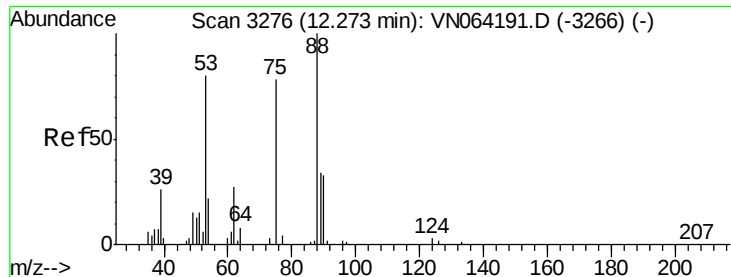
120 47.1 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064193.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064193.D (-3411) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 113.549 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

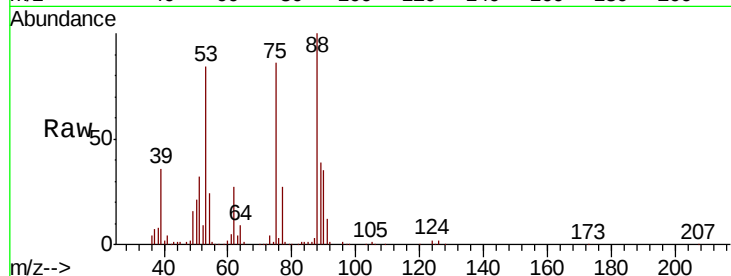
Tot Ion: 75 Resp: 203552

Ion Ratio Lower Upper

75 100

53 97.9 51.4 154.2

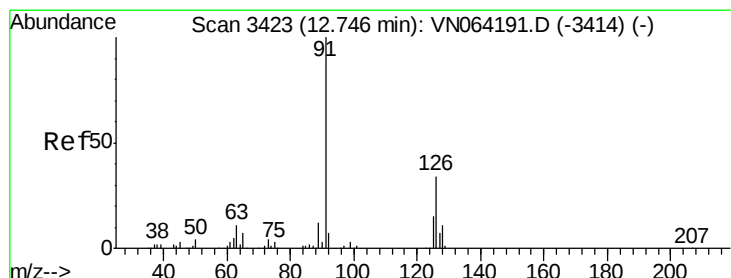
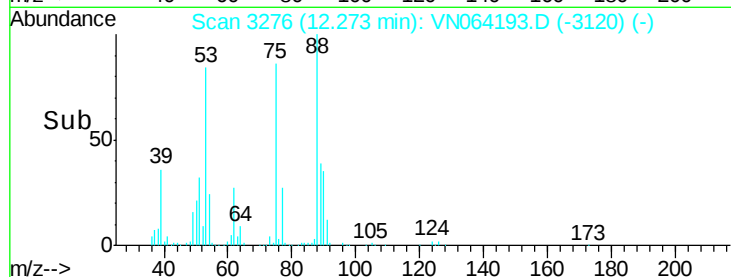
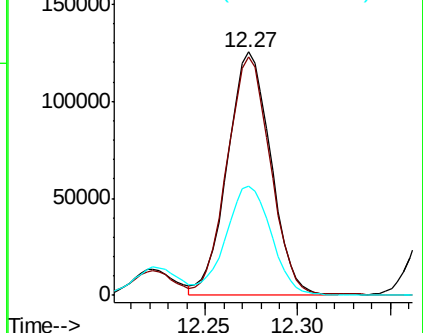
89 44.9 23.8 71.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 111.817 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064193.D

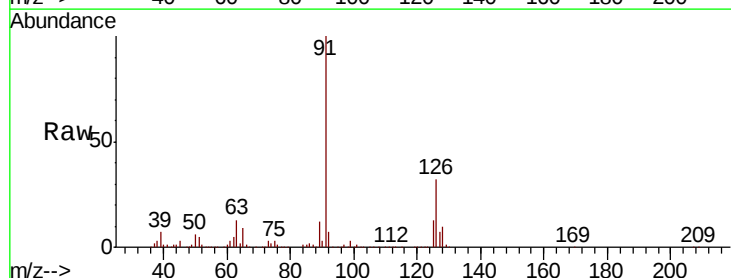
Acq: 20 Oct 2020 11:11

Tgt Ion: 91 Resp: 1312101

Ion Ratio Lower Upper

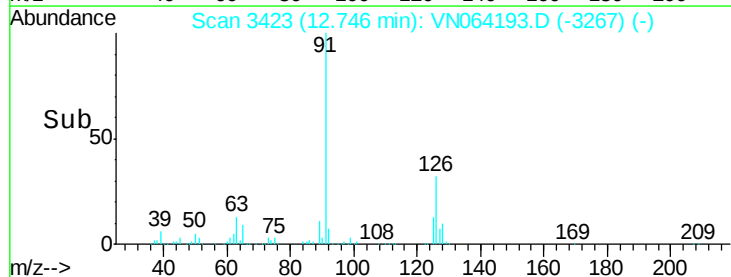
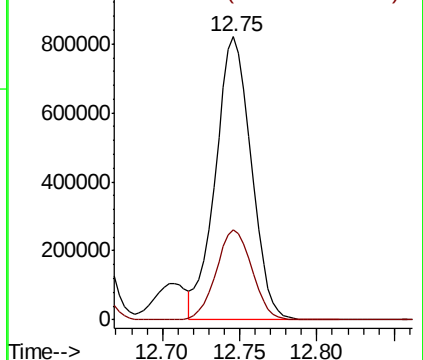
91 100

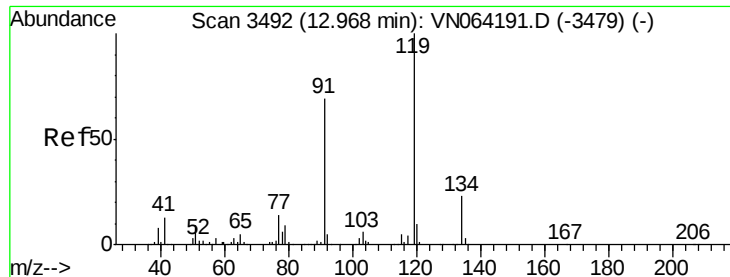
126 32.0 0.0 63.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

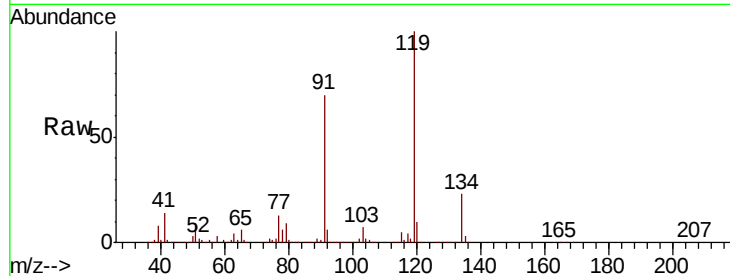




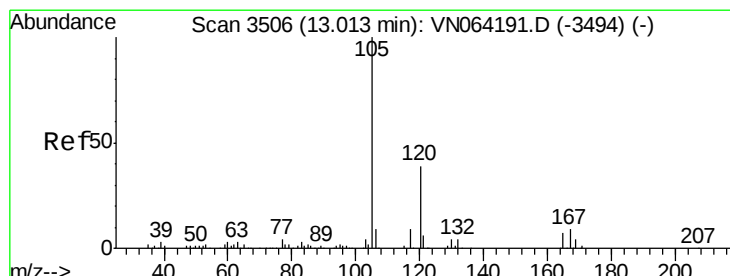
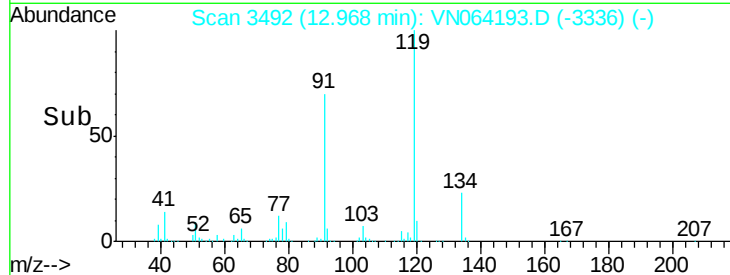
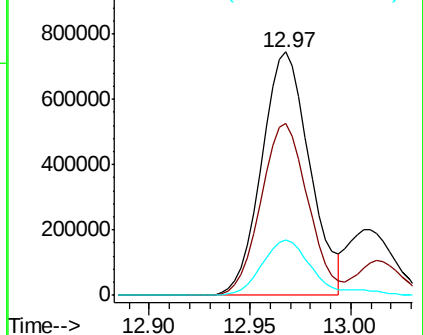
#79
tert-butylbenzene
Concen: 115.719 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion:119 Resp: 1235400
Ion Ratio Lower Upper
119 100
91 69.3 0.0 143.2
134 22.6 0.0 49.2

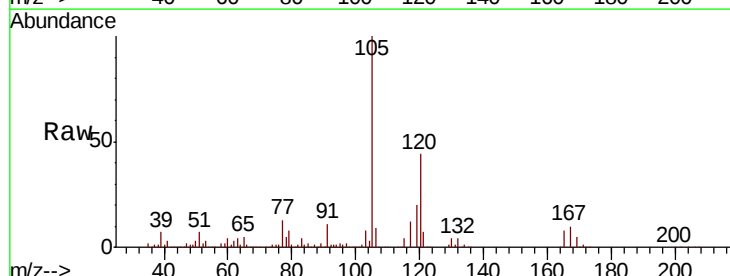


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

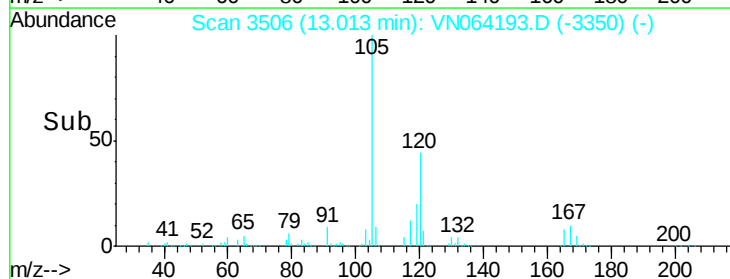
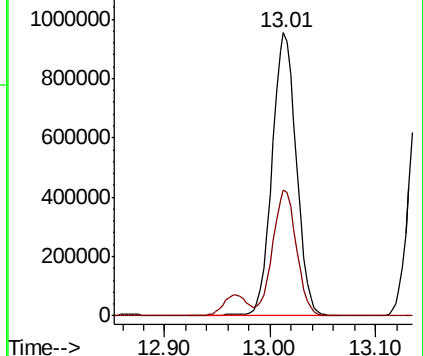


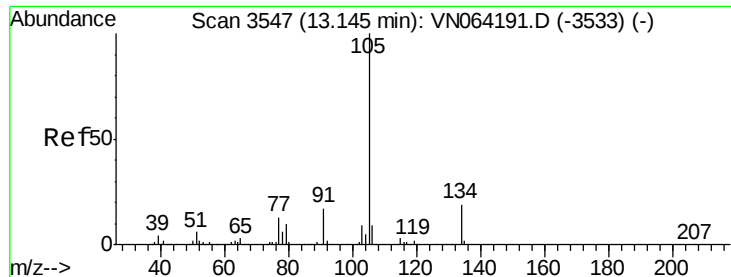
#80
1,2,4-Trimethylbenzene
Concen: 114.089 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion:105 Resp: 1517606
Ion Ratio Lower Upper
105 100
120 43.7 0.0 85.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

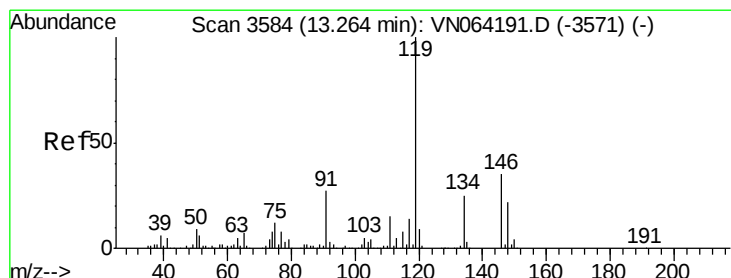
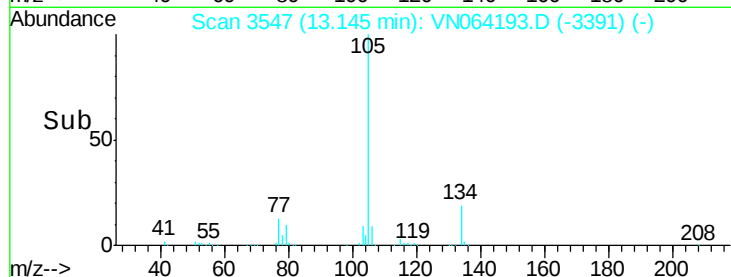
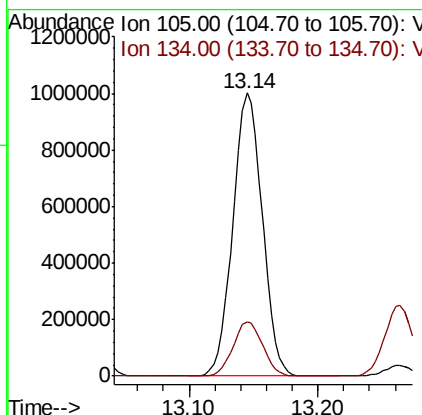
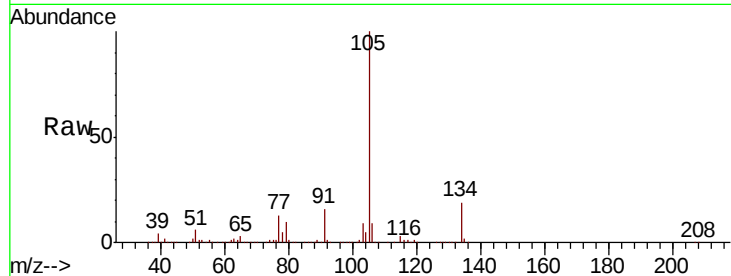




#81
 sec-Butylbenzene
 Concen: 113.211 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

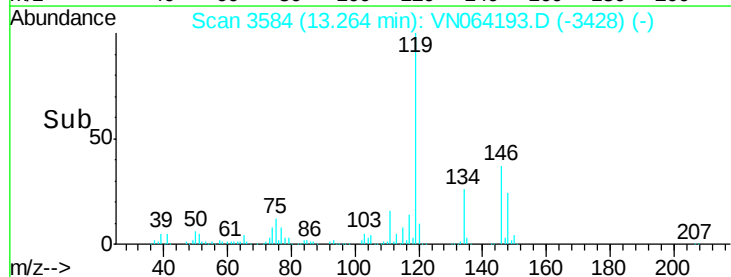
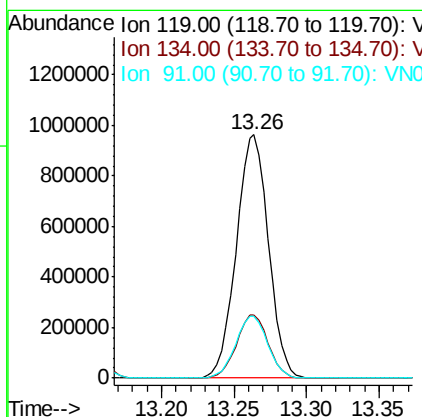
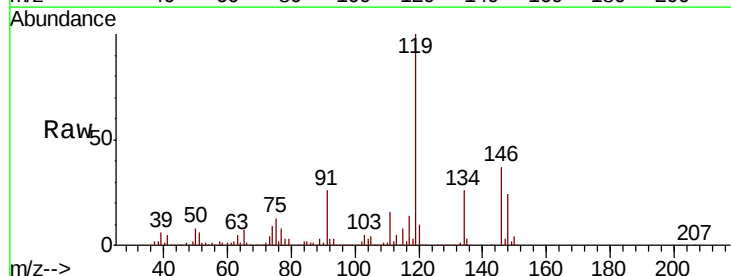
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

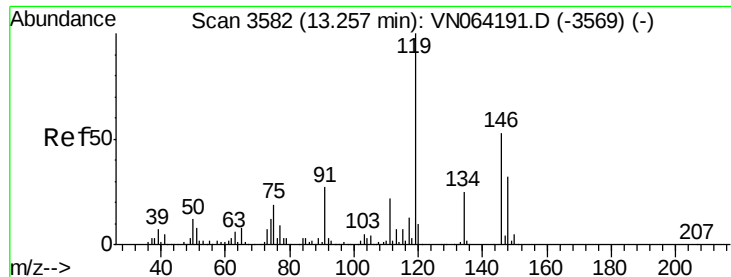
Tot Ion:105 Resp: 1584349
 Ion Ratio Lower Upper
 105 100
 134 19.4 0.0 38.4



#82
 p-Isopropyltoluene
 Concen: 115.935 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion:119 Resp: 1479619
 Ion Ratio Lower Upper
 119 100
 134 25.8 0.0 51.4
 91 25.6 0.0 52.8

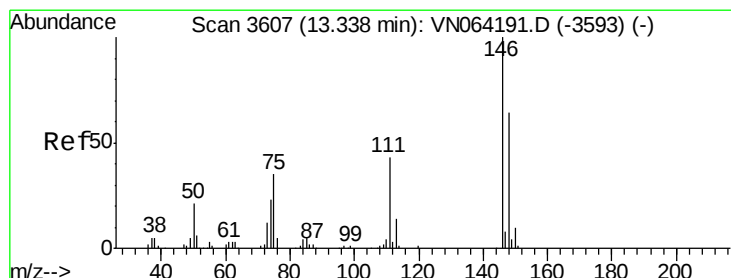
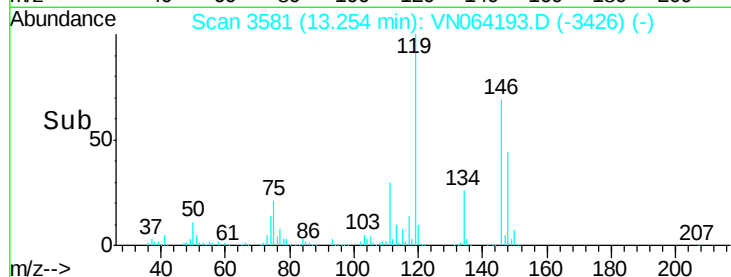
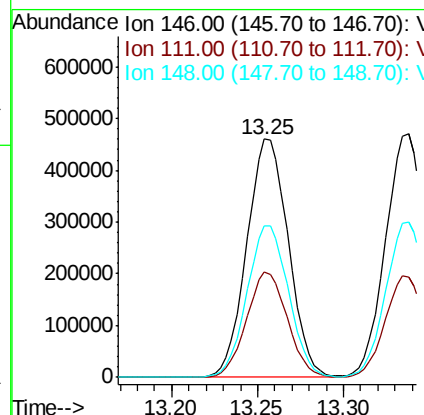
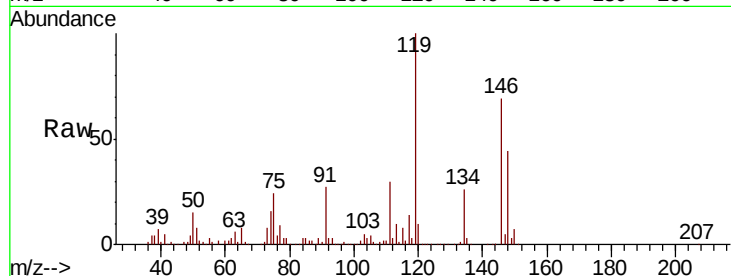




#83
 1,3-Dichlorobenzene
 Concen: 110.421 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

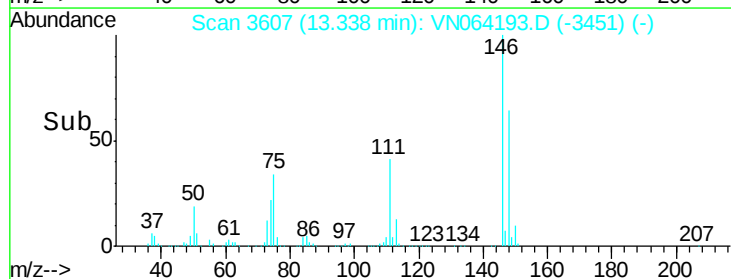
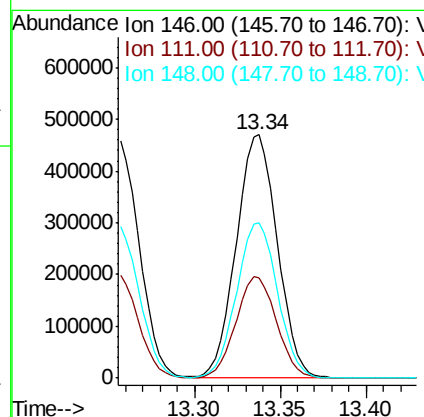
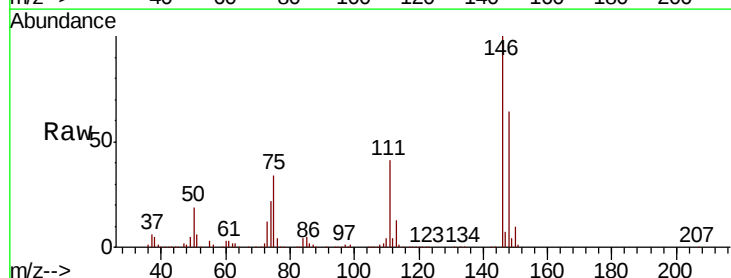
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

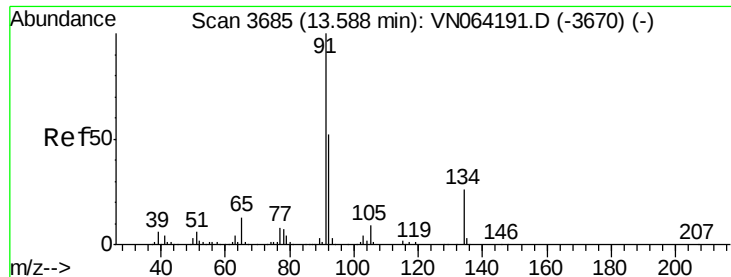
Tot Ion:146 Resp: 772573
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.8 65.4
 148 63.4 31.4 94.2



#84
 1,4-Dichlorobenzene
 Concen: 110.859 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion:146 Resp: 776245
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.9 62.8
 148 63.9 30.9 92.7

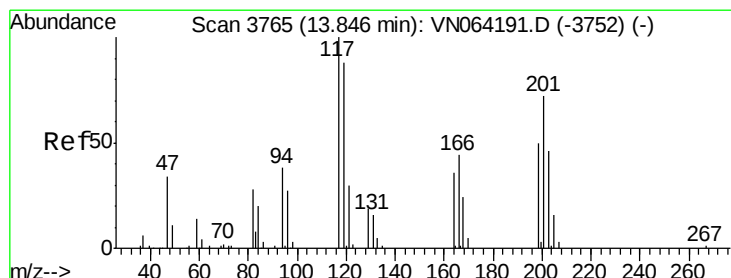
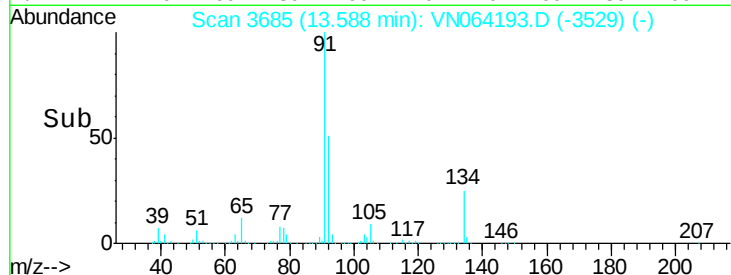
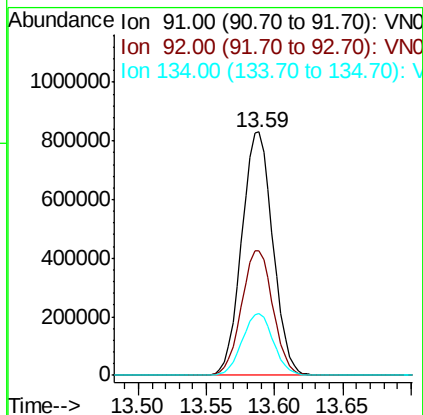
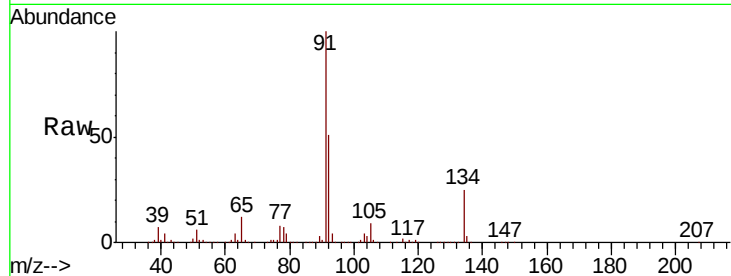




#85
n-Butylbenzene
Concen: 117.697 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

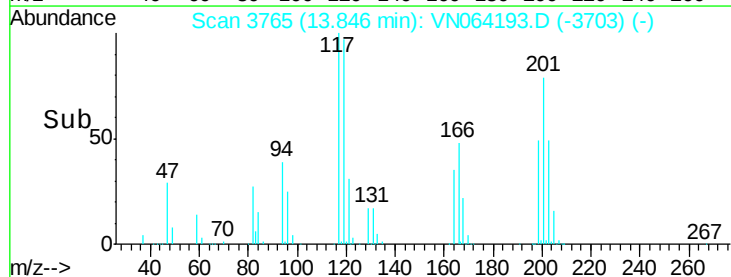
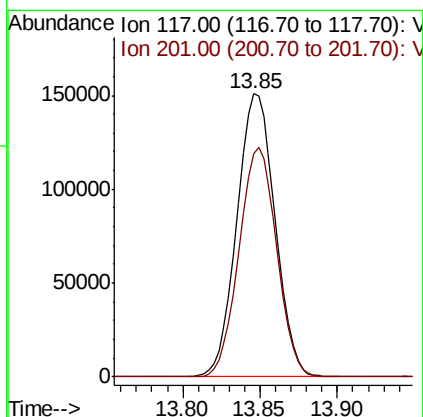
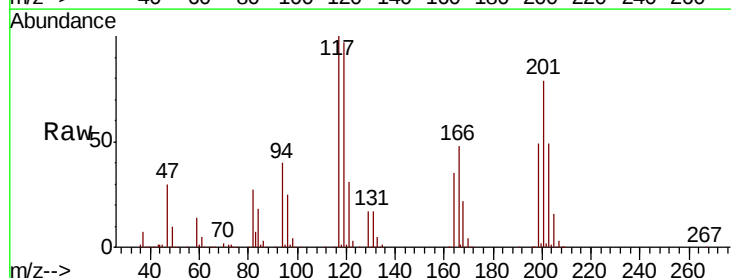
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

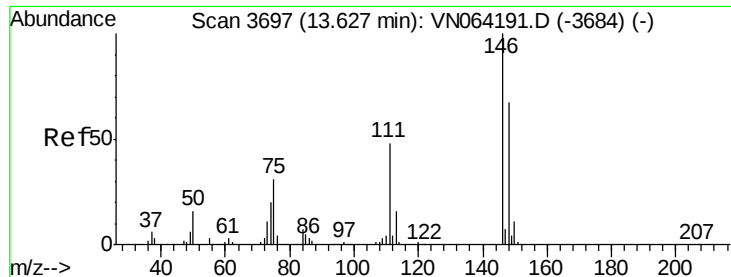
Tot Ion: 91 Resp: 1312669
Ion Ratio Lower Upper
91 100
92 51.7 0.0 104.8
134 25.5 0.0 49.8



#86
Hexachloroethane
Concen: 117.757 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion: 117 Resp: 258843
Ion Ratio Lower Upper
117 100
201 79.9 37.5 112.3





#87

1,2-Dichlorobenzene

Concen: 110.267 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

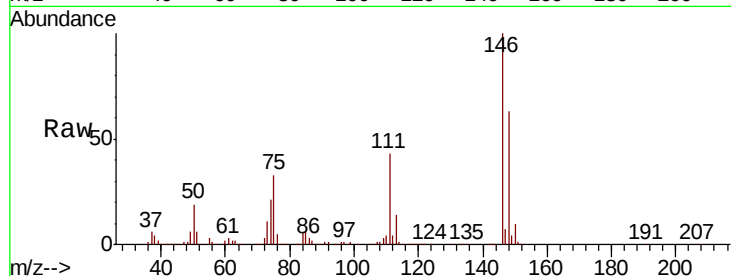
Tot Ion:146 Resp: 751667

Ion Ratio Lower Upper

146 100

111 44.1 22.6 67.8

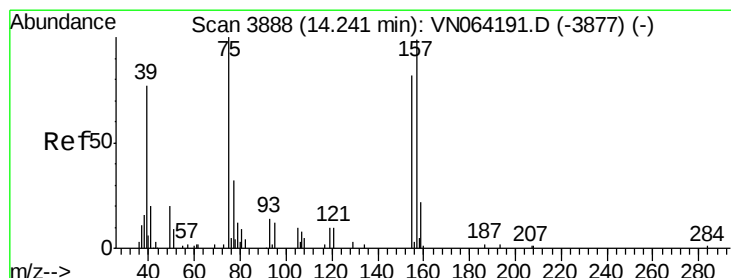
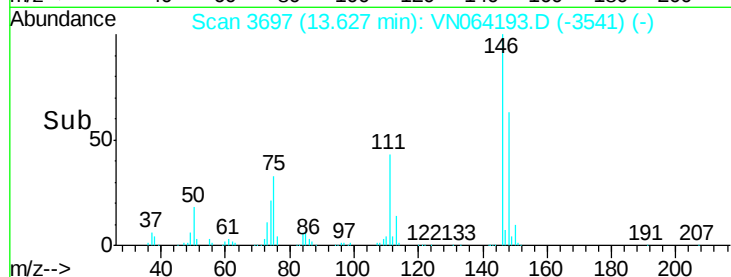
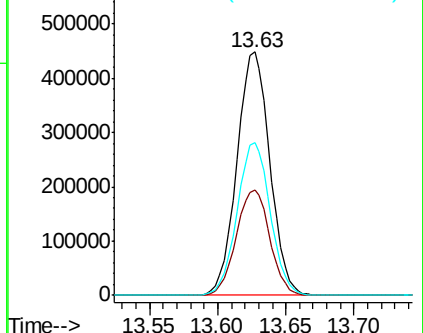
148 63.1 32.6 97.8



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: 103.987 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN064193.D

Acq: 20 Oct 2020 11:11

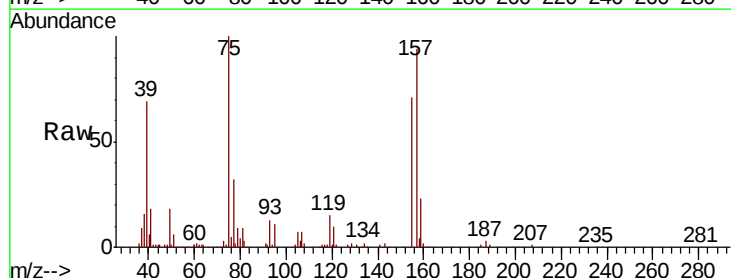
Tgt Ion: 75 Resp: 119991

Ion Ratio Lower Upper

75 100

155 73.6 61.1 91.7

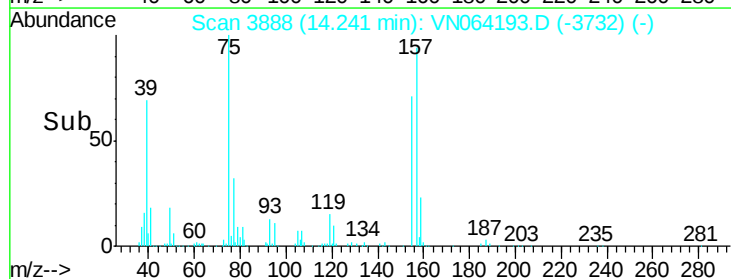
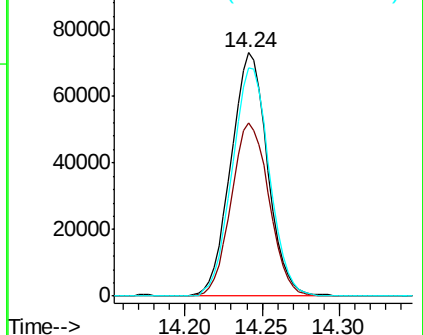
157 95.9 76.5 114.7

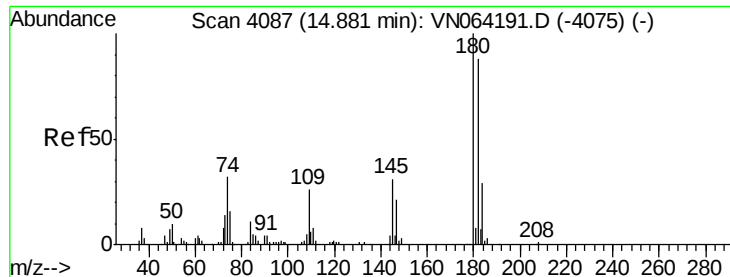


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

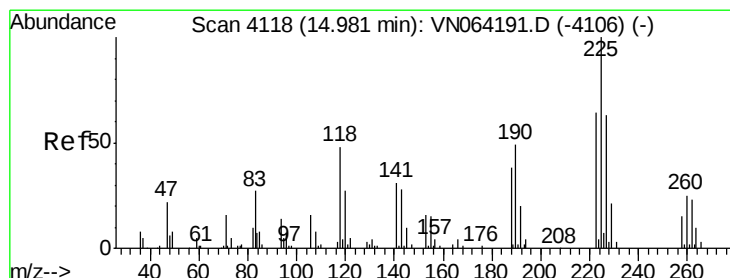
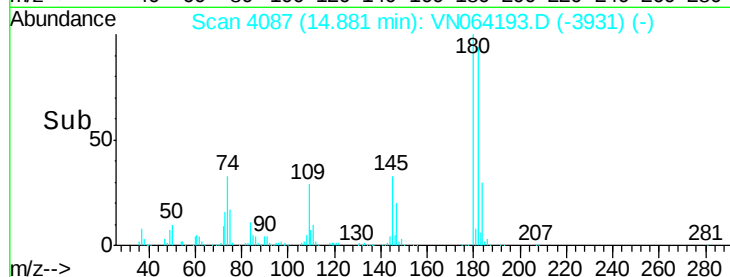
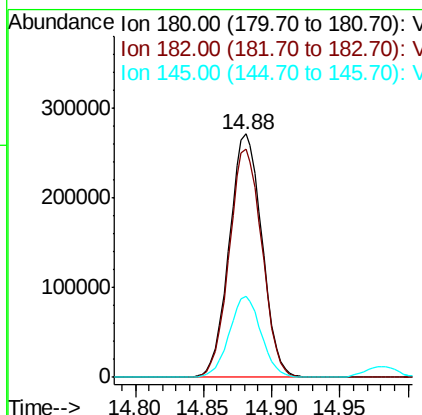
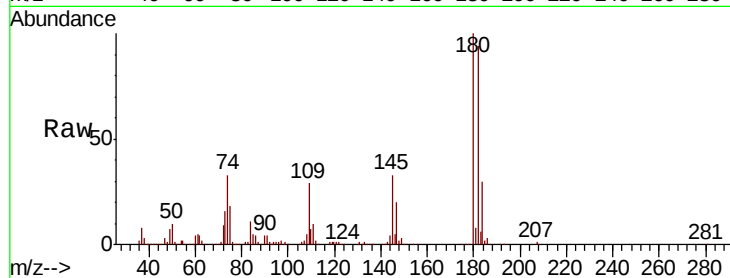




#89
 1,2,4-Trichlorobenzene
 Concen: 124.206 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

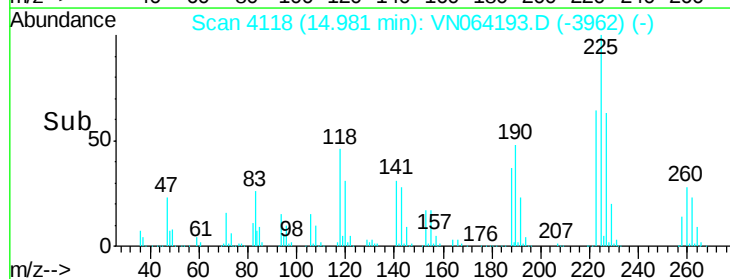
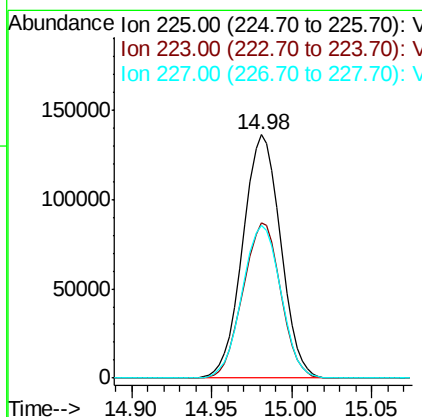
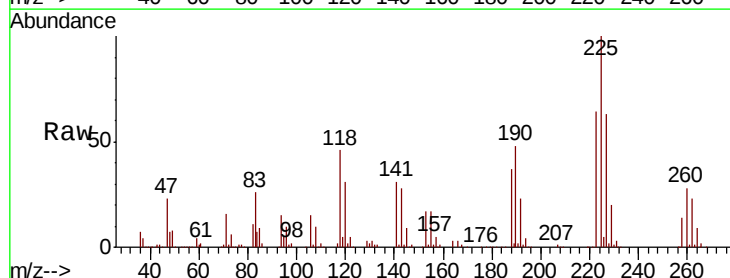
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

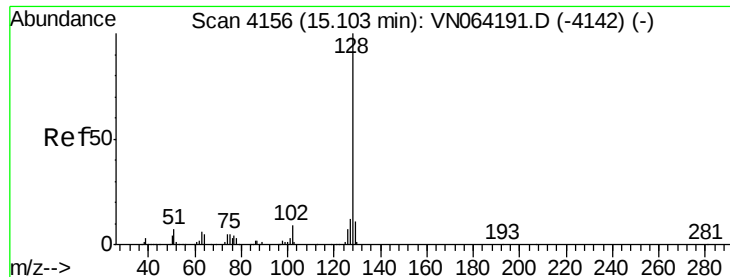
Tot Ion:180 Resp: 451915
 Ion Ratio Lower Upper
 180 100
 182 93.9 73.0 109.4
 145 32.5 24.3 36.5



#90
 Hexachlorobutadiene
 Concen: 116.878 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064193.D
 Acq: 20 Oct 2020 11:11

Tgt Ion:225 Resp: 220018
 Ion Ratio Lower Upper
 225 100
 223 63.6 0.0 127.0
 227 63.9 0.0 129.4

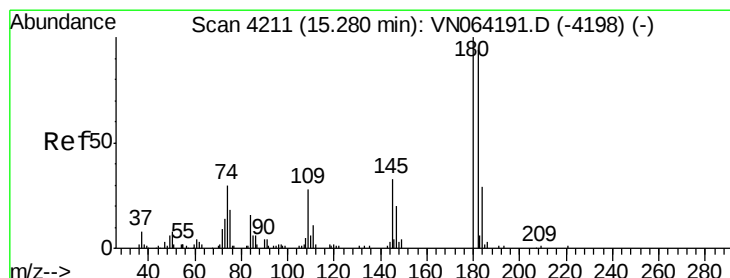
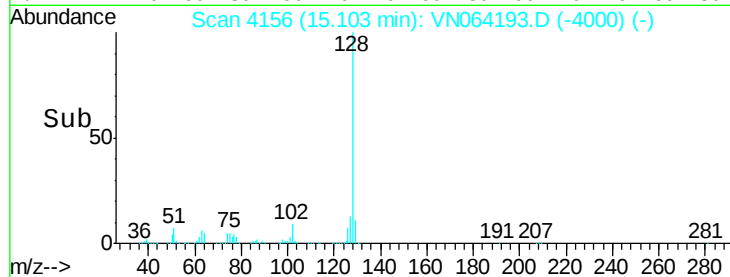
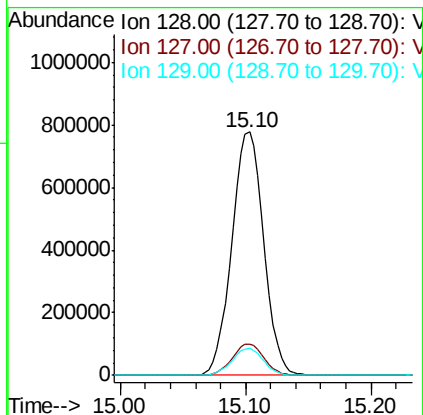
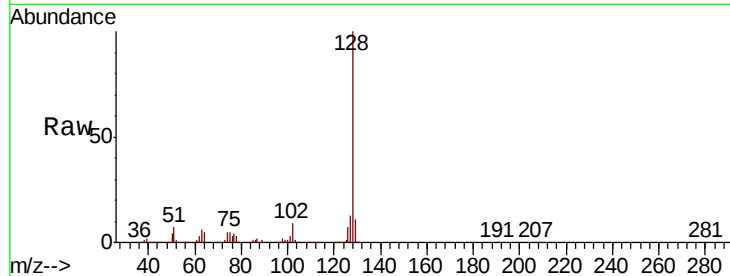




#91
Naphthalene
Concen: 125.006 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion:128 Resp: 1369308
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 11.0 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 124.447 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064193.D
Acq: 20 Oct 2020 11:11

Tgt Ion:180 Resp: 435031
Ion Ratio Lower Upper
180 100
182 94.4 0.0 190.0
145 34.3 0.0 66.6

