

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102620\
 Data File : VN064307.D
 Acq On : 26 Oct 2020 17:05
 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 26 17:30:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 16:34:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	50378	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	285495	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	262557	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	134549	30.39	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.30%
60) 4-Bromofluorobenzene	12.38	95	140573	30.09	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.30%
63) Toluene-d8	10.06	98	351360	29.99	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	435895	130.875	ug/l 92
3) Chloromethane	2.04	50	404258	118.007	ug/l 99
4) Vinyl Chloride	2.16	62	387266	112.211	ug/l 100
5) Bromomethane	2.51	94	235124	104.981	ug/l 96
6) Chloroethane	2.66	64	215570	107.629	ug/l 96
7) Trichlorofluoromethane	2.98	101	590448	102.350	ug/l 92
8) Diethyl Ether	3.37	74	188948	99.813	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	300133	105.564	ug/l 99
10) 1,1-Dichloroethene	3.69	96	292694	106.824	ug/l 99
11) Methyl Iodide	3.91	142	438798	111.097	ug/l 96
12) Methyl Acetate	4.28	43	349228	107.526	ug/l 94
13) Acrolein	3.56	56	113414	441.194	ug/l 98
14) Acrylonitrile	4.93	53	797720	618.530	ug/l 99
15) Acetone	3.78	58	199953	506.944	ug/l 93
16) Carbon Disulfide	4.01	76	859156	107.897	ug/l 99
17) Allyl chloride	4.27	41	534318	101.577	ug/l 99
18) Methylene Chloride	4.50	84	328303	101.717	ug/l 95
19) trans-1,2-Dichloroethene	4.98	96	320289	104.292	ug/l 94
20) Diisopropyl ether	5.90	45	1147820	113.223	ug/l 91
21) 1,1-Dichloroethane	5.80	63	620269	103.897	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	365188	102.485	ug/l 99
23) tert-Butyl Alcohol	4.73	59	353456	597.667	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1099139	112.633	ug/l # 75
25) Chloroform	7.33	83	648185	100.535	ug/l 93
26) Cyclohexane	7.61	56	527347	113.304	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	488517	101.179	ug/l 98
30) 2-Butanone	6.78	43	1169386	541.927	ug/l 98
31) 2,2-Dichloropropane	6.78	77	590849	98.460	ug/l # 63
32) 1,1,1-Trichloroethane	7.53	97	629053	101.894	ug/l 99
33) Carbon Tetrachloride	7.73	117	574323	103.681	ug/l 97
34) Benzene	8.00	78	1351463	102.274	ug/l # 86
35) Methacrylonitrile	7.12	41	233138	107.389	ug/l 97
36) 1,2-Dichloroethane	8.08	62	578661	101.218	ug/l # 92
37) Trichloroethene	8.80	130	369084	102.350	ug/l 93
38) Methylcyclohexane	9.05	83	486063	109.534	ug/l 100
39) 1,2-Dichloropropane	9.08	63	358985	100.824	ug/l 95
40) Dibromomethane	9.17	93	251991	102.284	ug/l 98

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Instrument :
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 ClientSampleId :
 VSTDICC100

Quant Time: Oct 26 17:30:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	544295	102.040	ug/l	99
42) Vinyl Acetate	5.84	43	5127398	540.222	ug/l	100
43) Ethyl Acetate	7.16	43	172283	37.705	ug/l	98
44) Isopropyl Acetate	8.13	43	876497	107.347	ug/l #	87
45) 1,4-Dioxane	9.16	88	137167	2605.842	ug/l	99
46) Methyl methacrylate	9.16	41	435637	109.760	ug/l	98
47) n-amyl Acetate	12.04	43	785931	111.140	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	622686	103.879	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	631116	101.806	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	338131	102.676	ug/l	93
51) Ethyl methacrylate	10.40	69	543818	107.284	ug/l	96
52) 1,3-Dichloropropane	10.68	76	597327	103.231	ug/l	97
53) Dibromochloromethane	10.87	129	425234	104.198	ug/l	100
54) 1,2-Dibromoethane	10.98	107	368284	104.590	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	1395321	528.748	ug/l	99
56) Bromoform	12.10	173	314032	107.723	ug/l #	96
58) 4-Methyl-2-Pentanone	9.95	43	2536143	560.416	ug/l	100
59) 2-Hexanone	10.72	43	1901311	558.161	ug/l	99
61) Tetrachloroethene	10.60	164	353159	99.248	ug/l	99
62) Toluene	10.13	91	1491535	101.585	ug/l	99
64) Chlorobenzene	11.41	112	935455	103.201	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	371192	102.014	ug/l	95
66) Ethyl Benzene	11.48	91	1717788	101.629	ug/l	96
67) m/p-Xylenes	11.59	106	1285453	206.706	ug/l	93
68) o-Xylene	11.92	106	624195	103.283	ug/l	98
69) Styrene	11.94	104	1069126	105.906	ug/l	97
70) Isopropylbenzene	12.22	105	1656697	103.269	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	471262	107.222	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	714949	154.652	ug/l	68
73) Bromobenzene	12.50	156	409678	104.816	ug/l	98
74) n-propylbenzene	12.57	91	1902889	103.875	ug/l	99
75) 2-Chlorotoluene	12.65	91	1171436	102.588	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	1400047	103.042	ug/l	96
77) t-1,4-Dichloro-2-butene	12.27	75	194984	110.231	ug/l	98
78) 4-Chlorotoluene	12.75	91	1231808	104.029	ug/l	100
79) tert-butylbenzene	12.97	119	1138346	102.932	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	1418360	102.767	ug/l	100
81) sec-Butylbenzene	13.14	105	1476540	102.966	ug/l	99
82) p-Isopropyltoluene	13.26	119	1376138	104.563	ug/l	97
83) 1,3-Dichlorobenzene	13.26	146	723754	105.675	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	725554	104.345	ug/l	98
85) n-Butylbenzene	13.59	91	1182841	102.818	ug/l	98
86) Hexachloroethane	13.85	117	262400	115.162	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	707476	105.443	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	123254	114.682	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	410507	108.293	ug/l	99
90) Hexachlorobutadiene	14.98	225	203245	98.390	ug/l	95
91) Naphthalene	15.10	128	1264679	112.561	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	393503	108.099	ug/l	99

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ClientSampleId :
VSTDICC100

Quant Time: Oct 26 17:30:32 2020
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Oct 26 16:34:22 2020
Response via : Initial Calibration

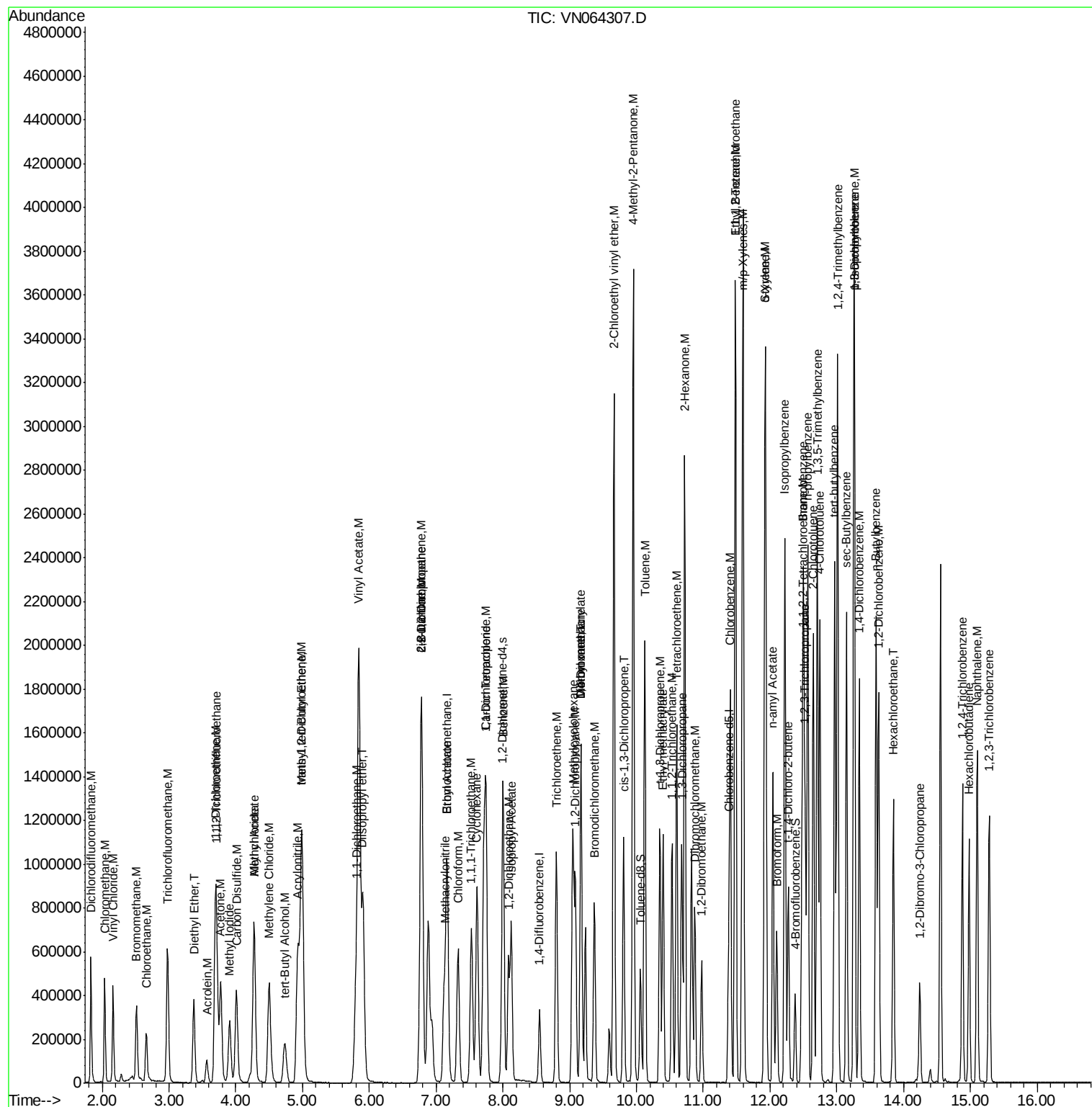
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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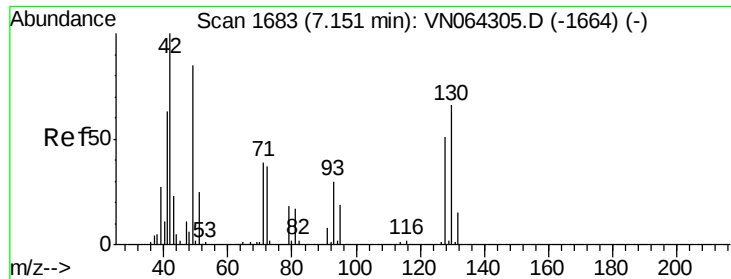
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102620\
Data File : VN064307.D
Acq On : 26 Oct 2020 17:05
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 26 17:30:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N102620W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

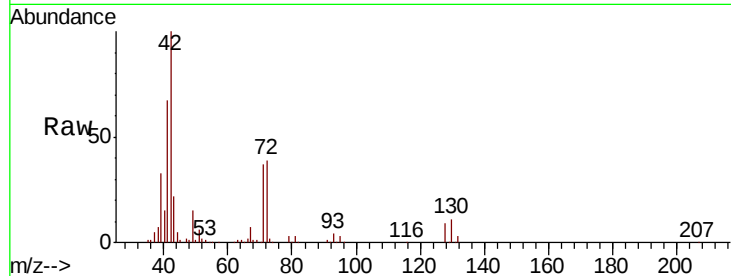
Tot Ion:128 Resp: 50378

Ion Ratio Lower Upper

128 100

49 183.0 0.0 439.5

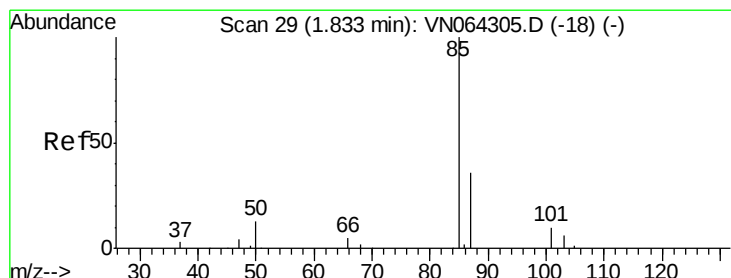
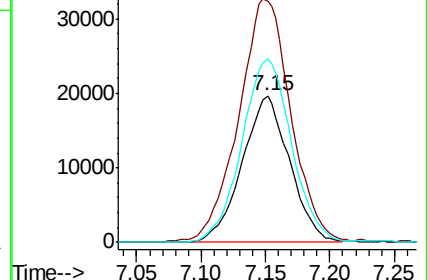
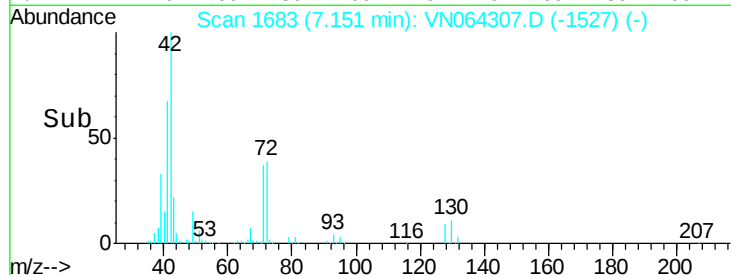
130 131.7 0.0 323.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 130.875 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064307.D

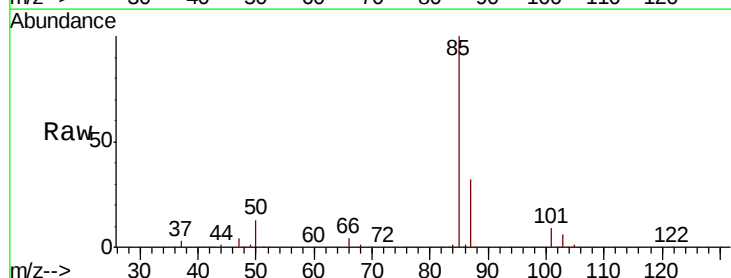
Acq: 26 Oct 2020 17:05

Tgt Ion: 85 Resp: 435895

Ion Ratio Lower Upper

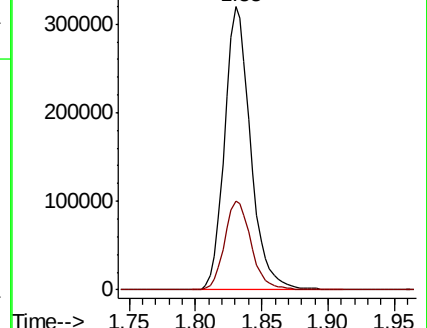
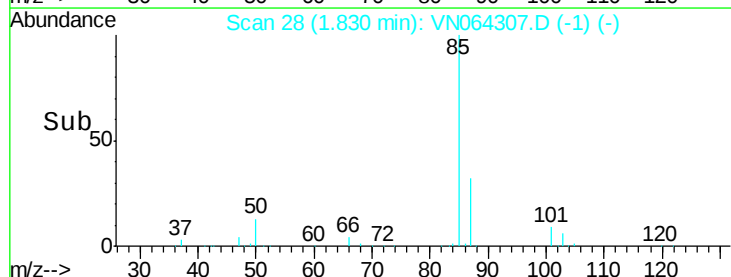
85 100

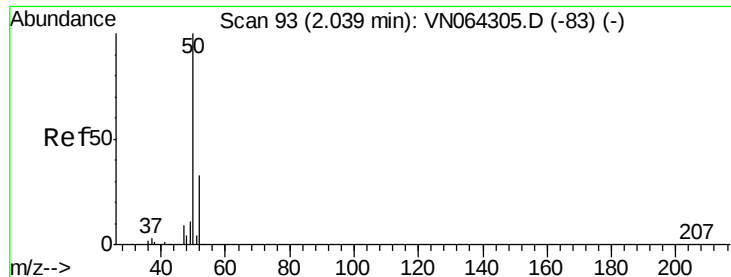
87 31.5 18.1 54.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 118.007 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

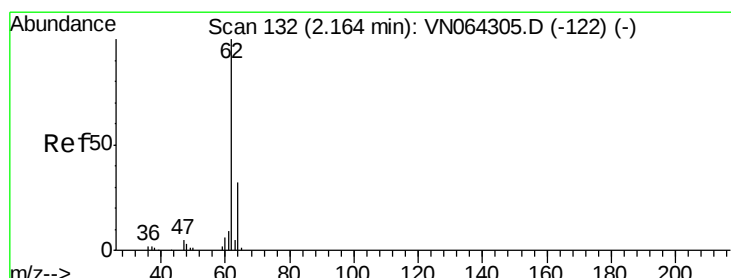
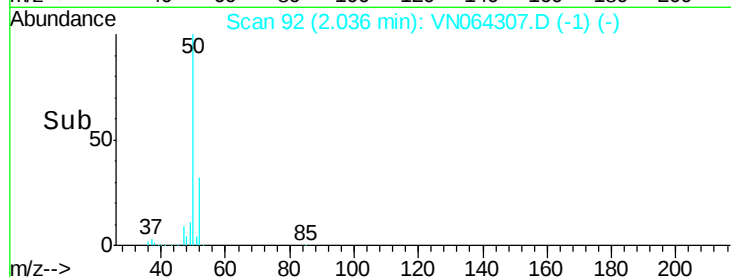
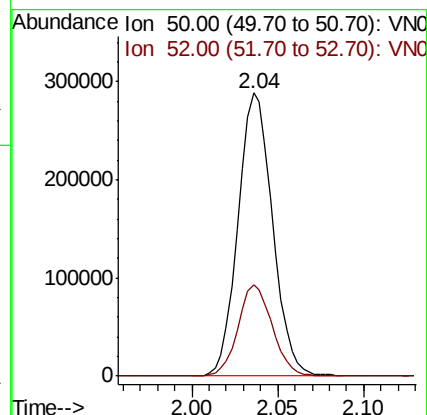
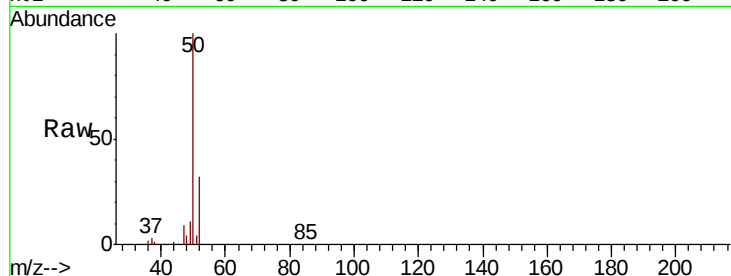
VSTDIC100

Tot Ion: 50 Resp: 404258

Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.2



#4

Vinyl Chloride

Concen: 112.211 ug/l

RT: 2.16 min Scan# 131

Delta R.T. -0.00 min

Lab File: VN064307.D

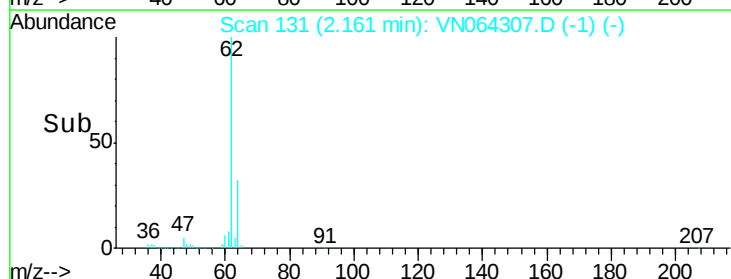
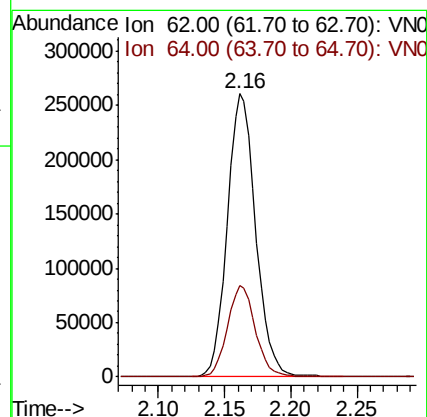
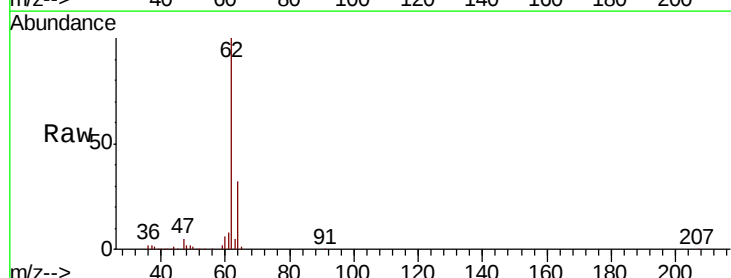
Acq: 26 Oct 2020 17:05

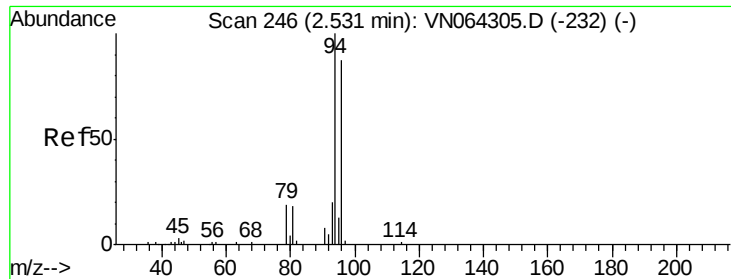
Tgt Ion: 62 Resp: 387266

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 104.981 ug/l

RT: 2.51 min Scan# 240

Delta R.T. -0.02 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

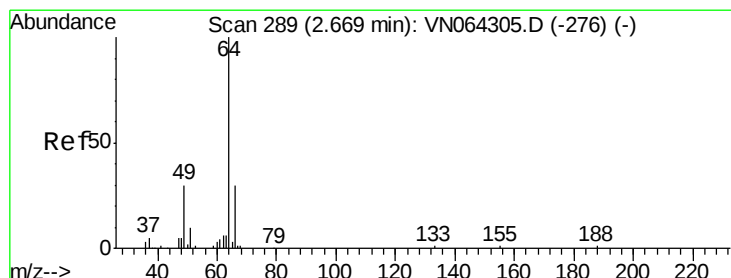
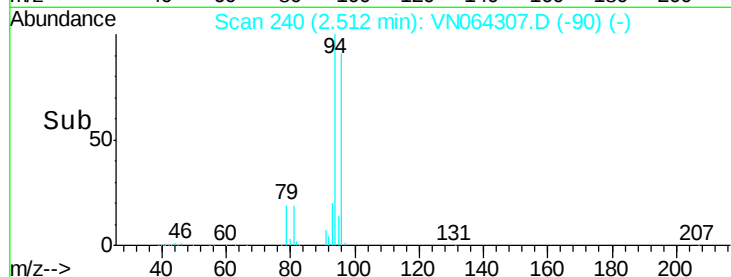
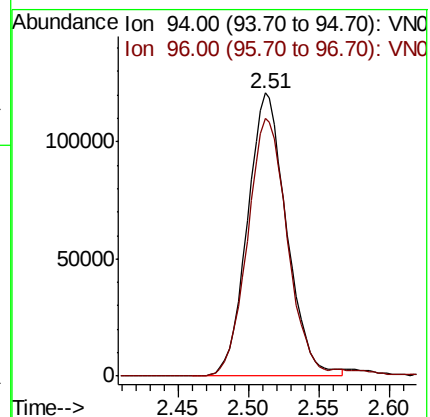
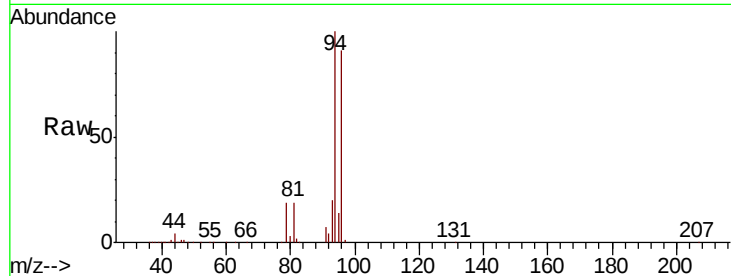
VSTDIC100

Tot Ion: 94 Resp: 235124

Ion Ratio Lower Upper

94 100

96 90.8 69.4 104.0



#6

Chloroethane

Concen: 107.629 ug/l

RT: 2.66 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN064307.D

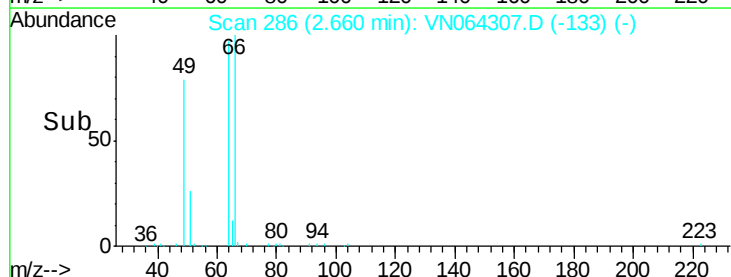
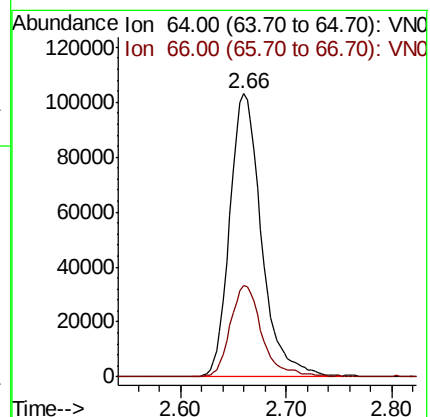
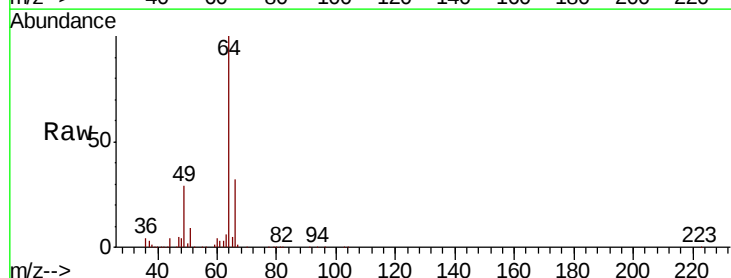
Acq: 26 Oct 2020 17:05

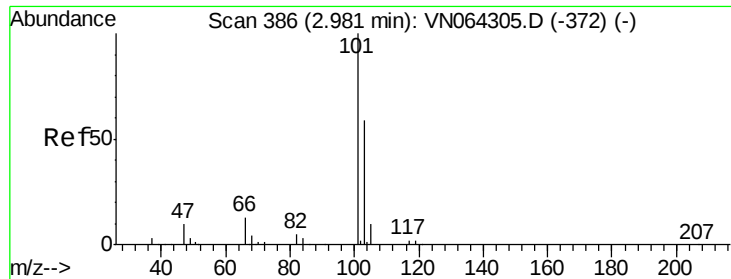
Tgt Ion: 64 Resp: 215570

Ion Ratio Lower Upper

64 100

66 32.3 24.1 36.1



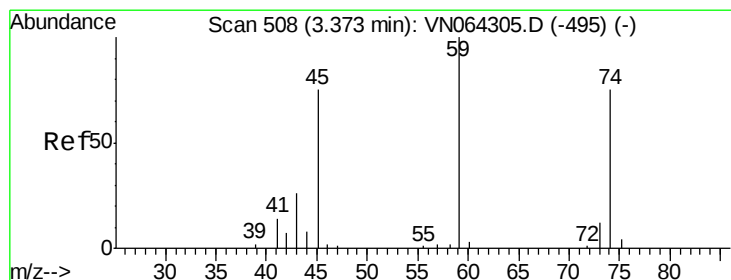
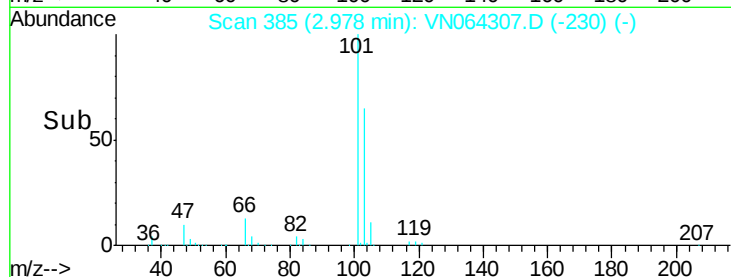
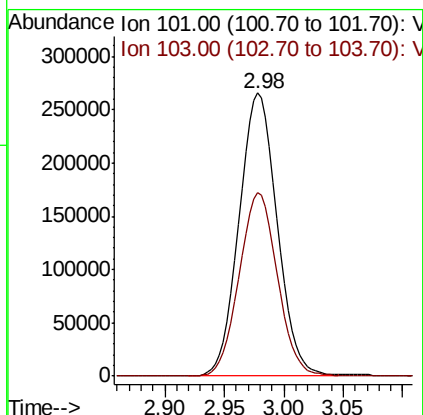
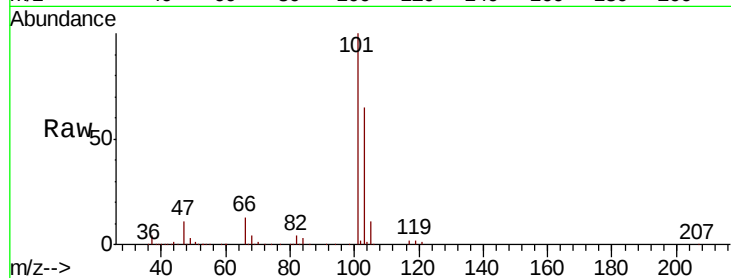


#7

Trichlorofluoromethane
 Concen: 102.350 ug/l
 RT: 2.98 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

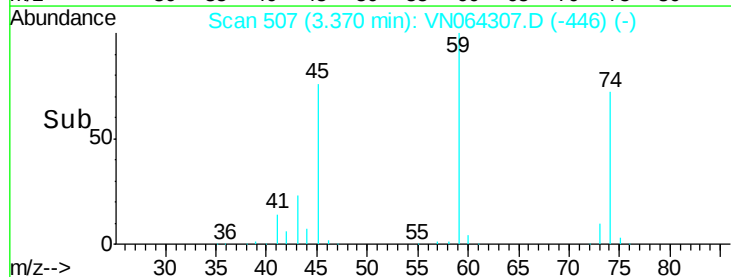
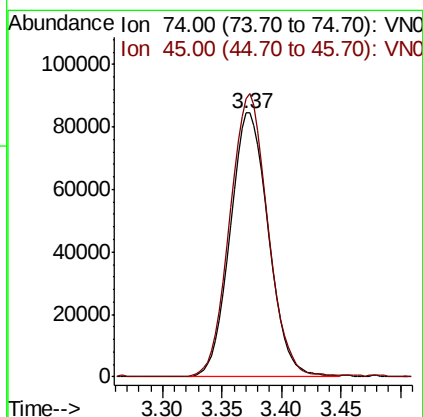
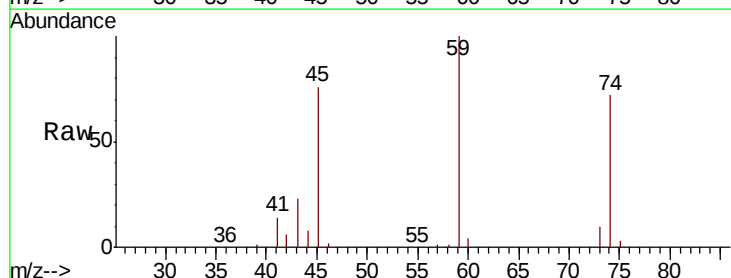
Tot Ion:101 Resp: 590448
 Ion Ratio Lower Upper
 101 100
 103 64.6 47.1 70.7

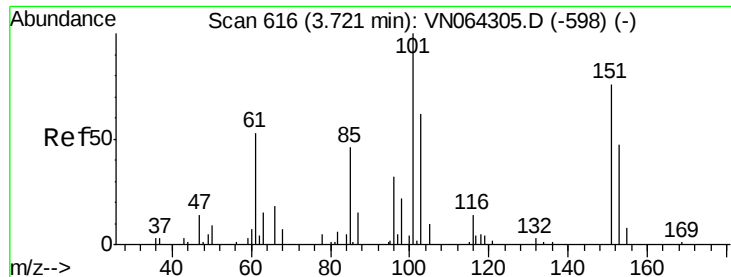


#8

Diethyl Ether
 Concen: 99.813 ug/l
 RT: 3.37 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Tgt Ion: 74 Resp: 188948
 Ion Ratio Lower Upper
 74 100
 45 106.6 20.4 183.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 105.564 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

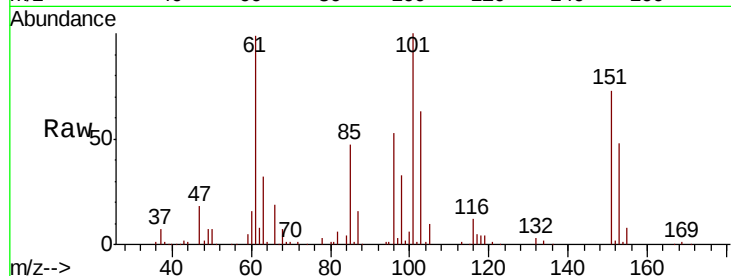
Tot Ion:101 Resp: 300133

Ion Ratio Lower Upper

101 100

85 48.5 0.0 96.2

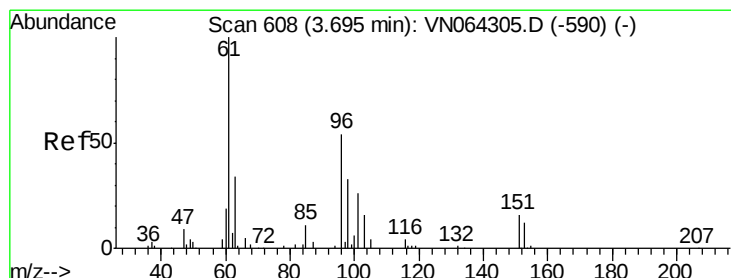
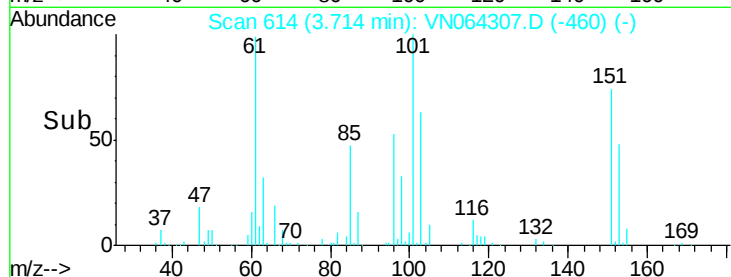
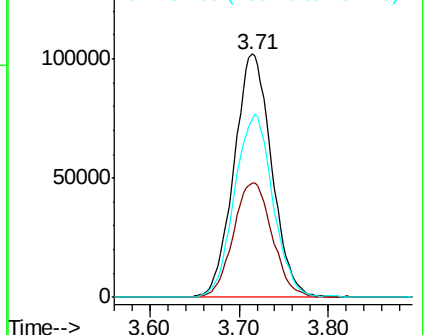
151 76.3 0.0 154.4



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: 106.824 ug/l

RT: 3.69 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

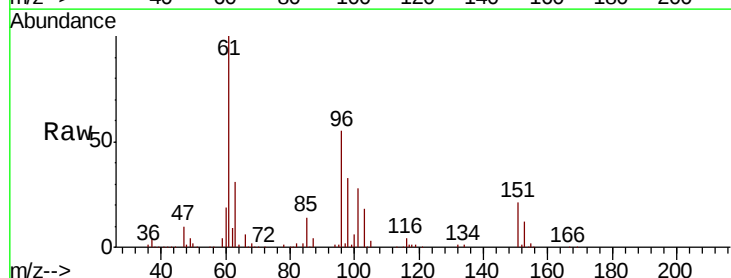
Tgt Ion: 96 Resp: 292694

Ion Ratio Lower Upper

96 100

61 181.7 147.4 221.2

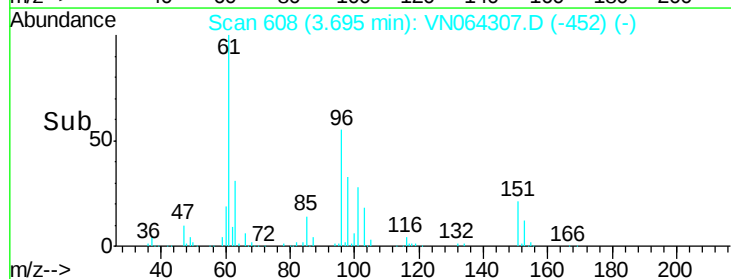
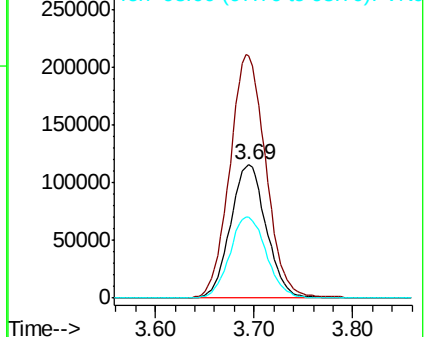
98 60.6 48.8 73.2

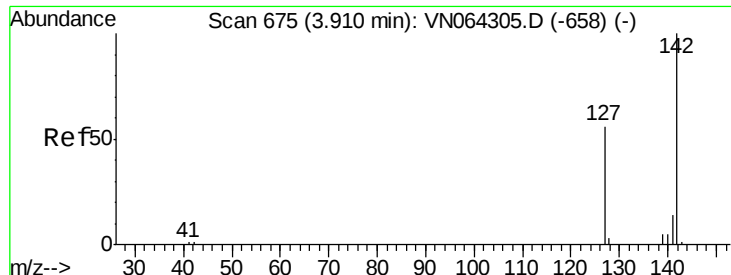


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

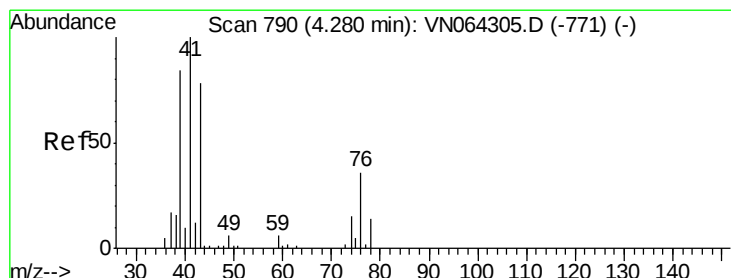
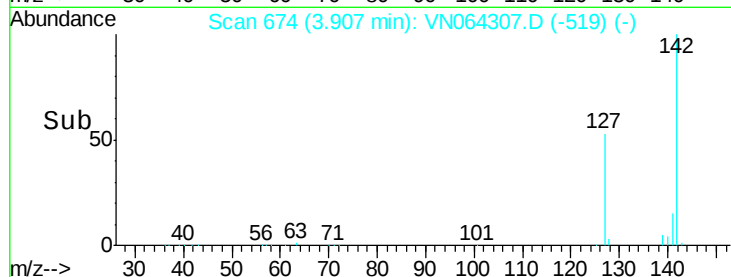
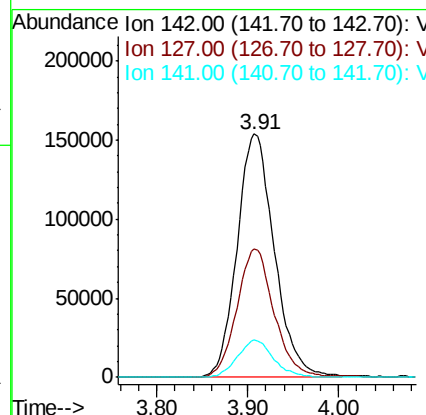
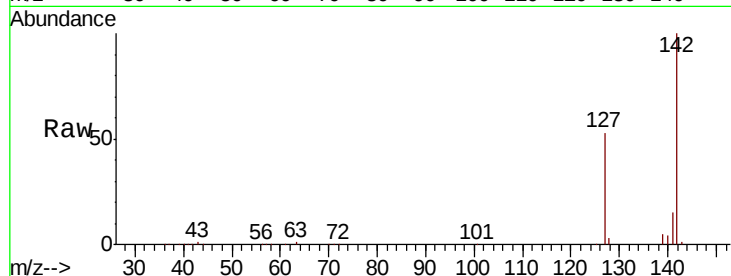




#11
Methyl Iodide
Concen: 111.097 ug/l
RT: 3.91 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

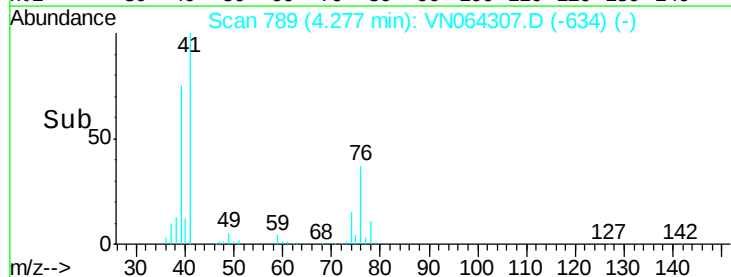
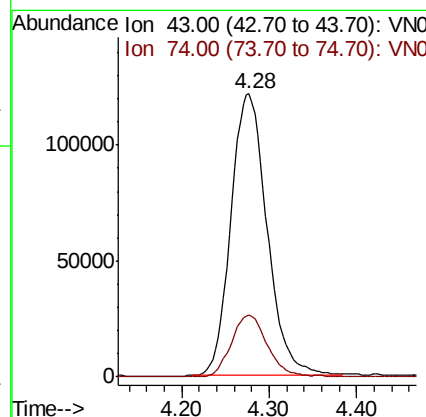
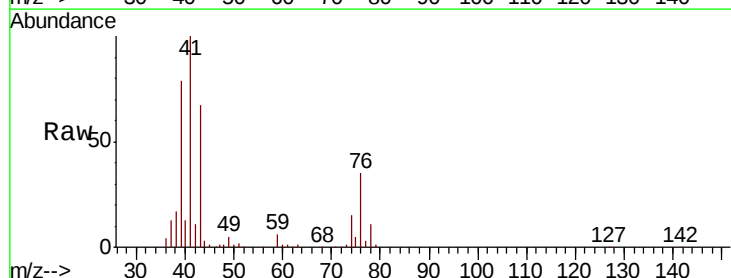
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

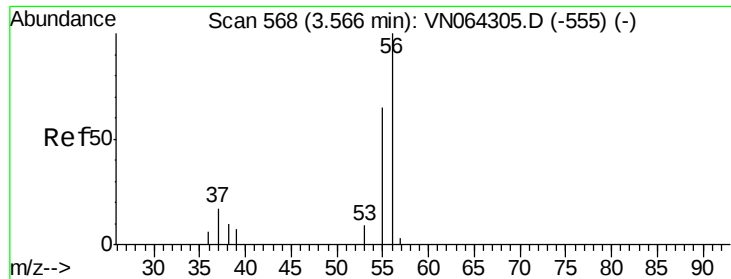
Tot Ion:142 Resp: 438798
Ion Ratio Lower Upper
142 100
127 52.7 27.9 83.7
141 15.2 7.1 21.3



#12
Methyl Acetate
Concen: 107.526 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion: 43 Resp: 349228
Ion Ratio Lower Upper
43 100
74 21.8 15.4 23.0





#13

Acrolein

Concen: 441.194 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

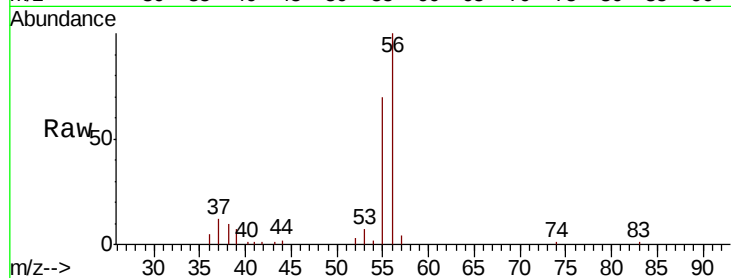
VSTDICC100

Tot Ion: 56 Resp: 113414

Ion Ratio Lower Upper

56 100

55 71.2 55.5 83.3



Abundance Ion 56.00 (55.70 to 56.70): VN064307.D (-412) (-)

Ion 55.00 (54.70 to 55.70): VN064307.D (-412) (-)

3.56

50000

40000

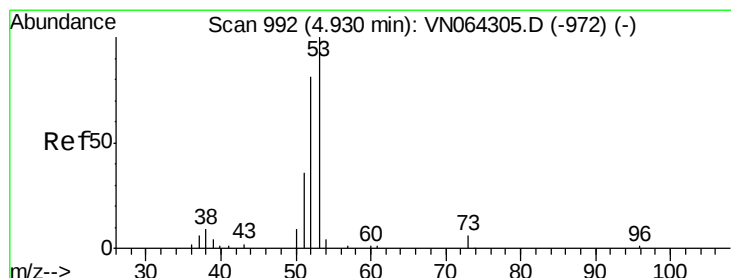
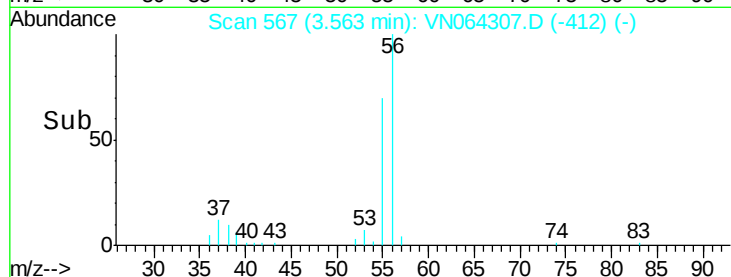
30000

20000

10000

0

Time-->



#14

Acrylonitrile

Concen: 618.530 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

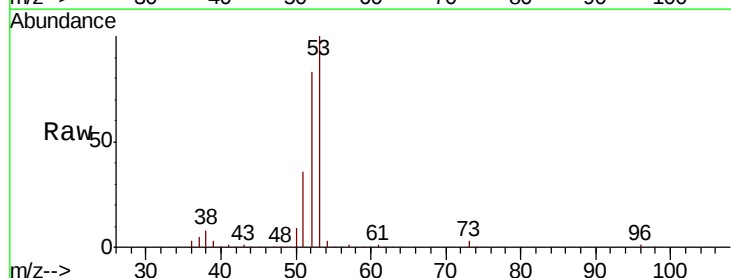
Tgt Ion: 53 Resp: 797720

Ion Ratio Lower Upper

53 100

52 83.0 41.7 125.1

51 38.2 19.4 58.2



Abundance Ion 53.00 (52.70 to 53.70): VN064307.D (-836) (-)

Ion 52.00 (51.70 to 52.70): VN064307.D (-836) (-)

Ion 51.00 (50.70 to 51.70): VN064307.D (-836) (-)

4.93

300000

250000

200000

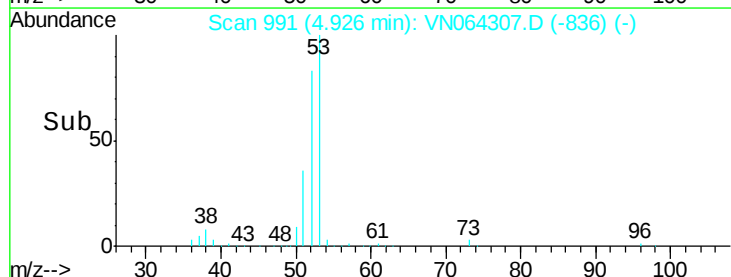
150000

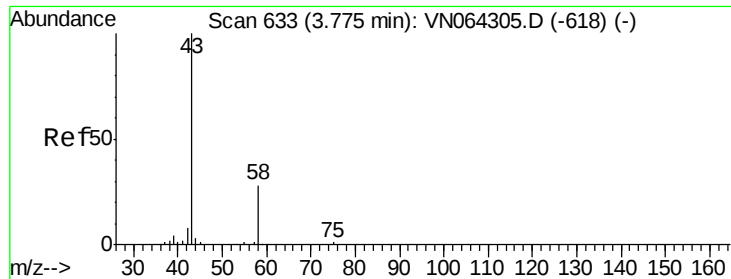
100000

50000

0

Time-->





#15

Acetone

Concen: 506.944 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

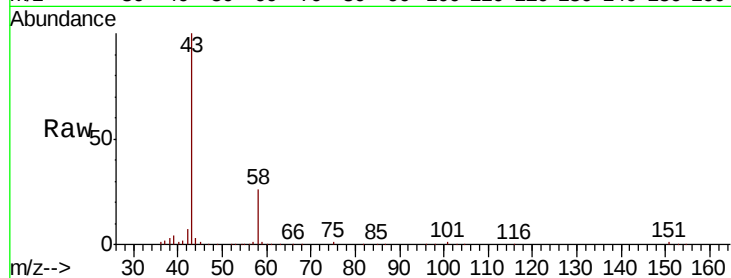
VSTDIC100

Tot Ion: 58 Resp: 199953

Ion Ratio Lower Upper

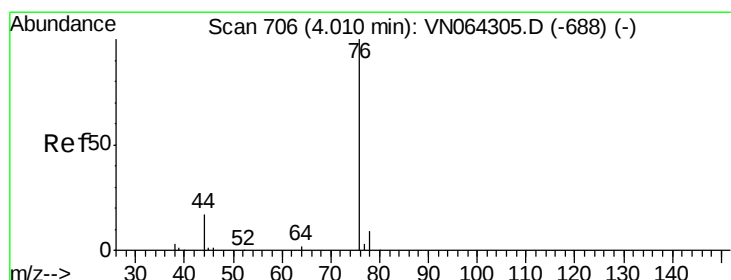
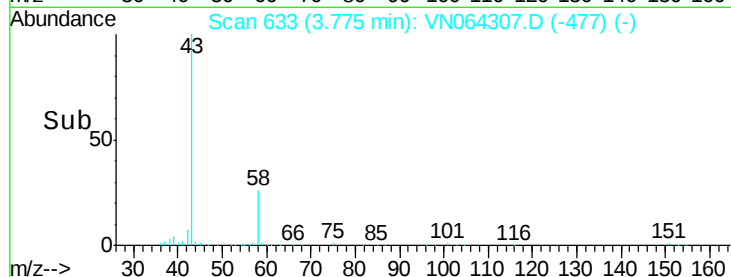
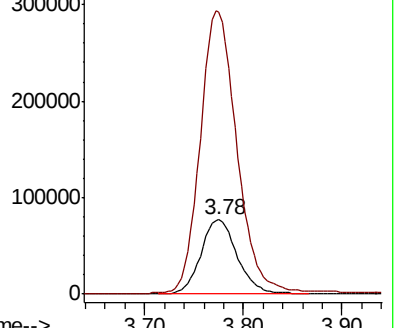
58 100

43 378.6 289.9 434.9



Abundance Ion 58.00 (57.70 to 58.70): VN064307.D (-477) (-)

Ion 43.00 (42.70 to 43.70): VN064307.D (-477) (-)



#16

Carbon Disulfide

Concen: 107.897 ug/l

RT: 4.01 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN064307.D

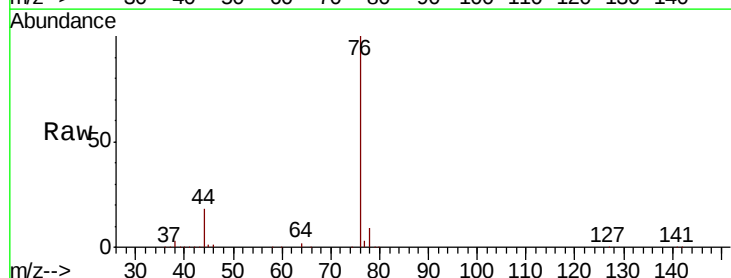
Acq: 26 Oct 2020 17:05

Tgt Ion: 76 Resp: 859156

Ion Ratio Lower Upper

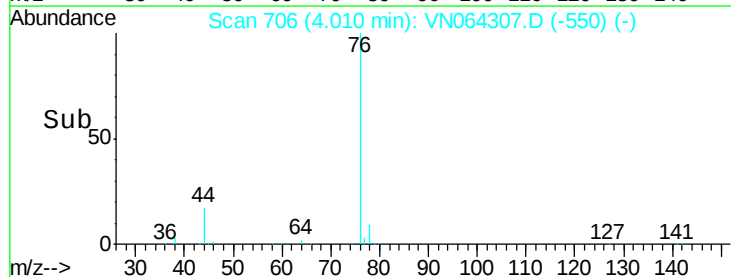
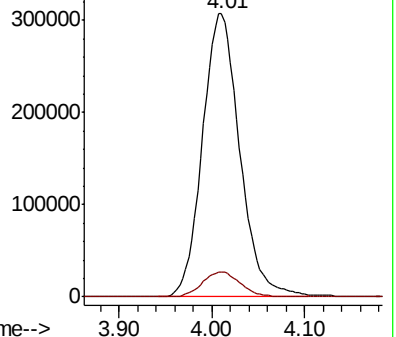
76 100

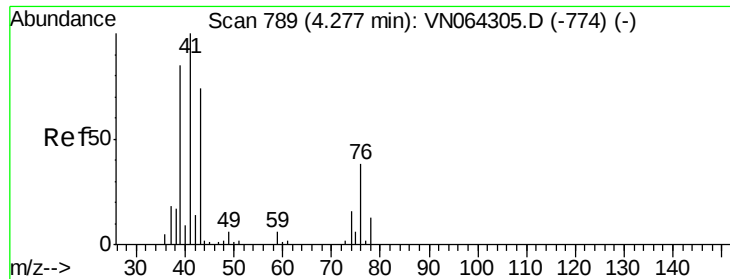
78 9.0 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VN064307.D (-550) (-)

Ion 78.00 (77.70 to 78.70): VN064307.D (-550) (-)

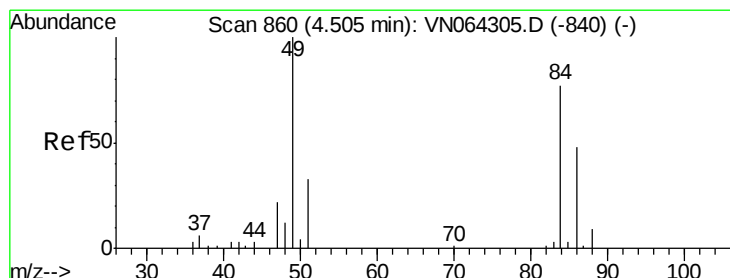
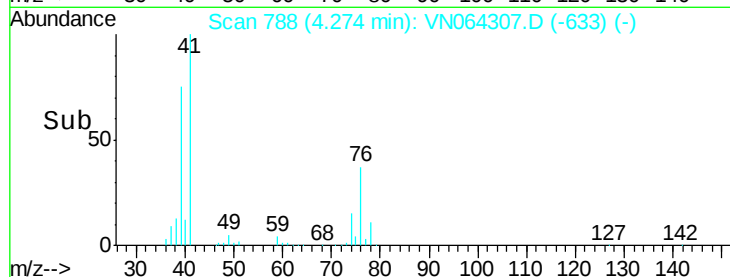
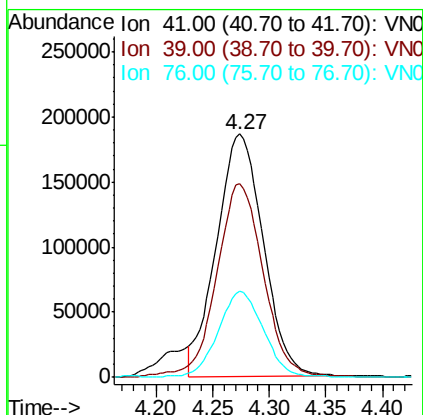
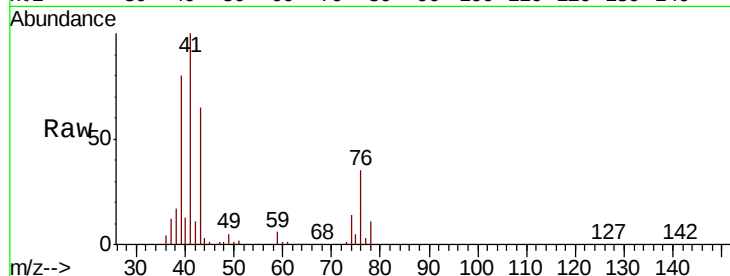




#17
Allvl chloride
Concen: 101.577 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

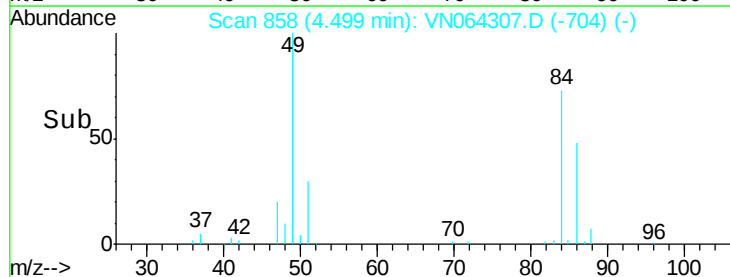
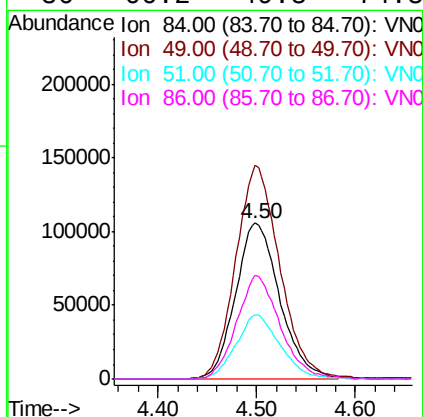
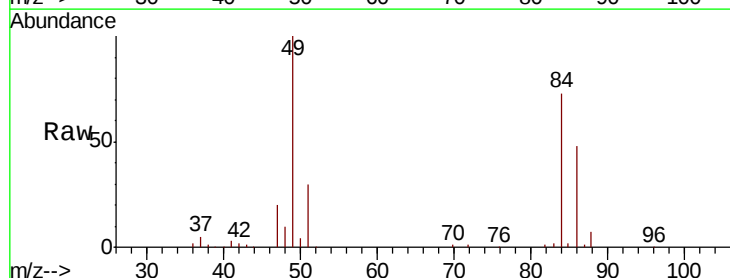
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

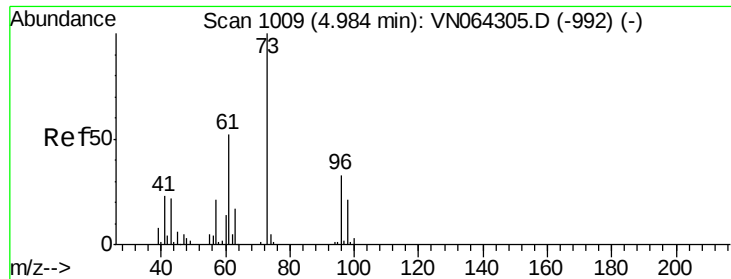
Tot Ion: 41 Resp: 534318
Ion Ratio Lower Upper
41 100
39 79.6 40.3 120.9
76 35.5 17.6 52.9



#18
Methylene Chloride
Concen: 101.717 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion: 84 Resp: 328303
Ion Ratio Lower Upper
84 100
49 136.9 103.1 154.7
51 41.5 33.8 50.8
86 66.2 49.8 74.8

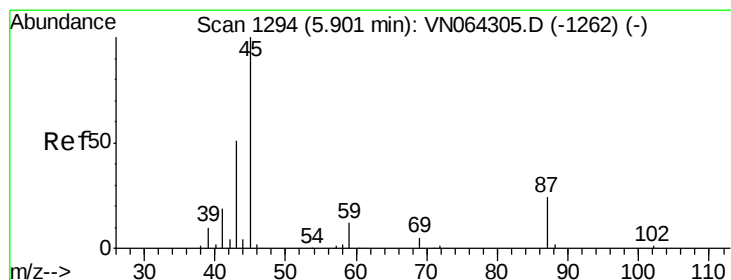
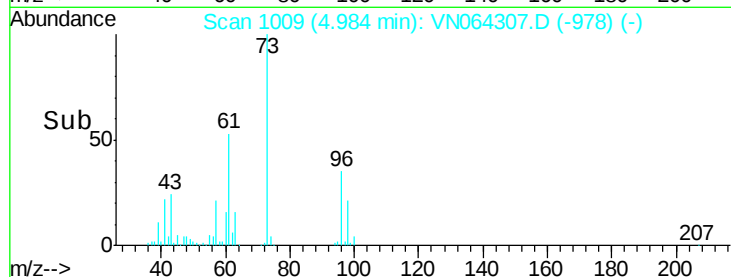
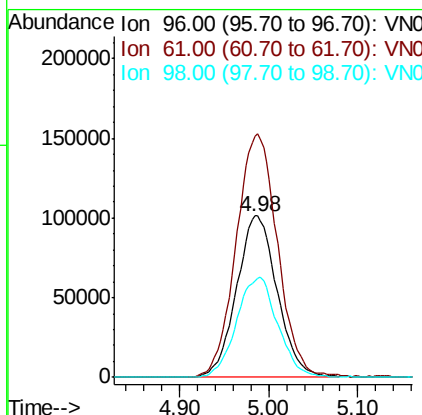
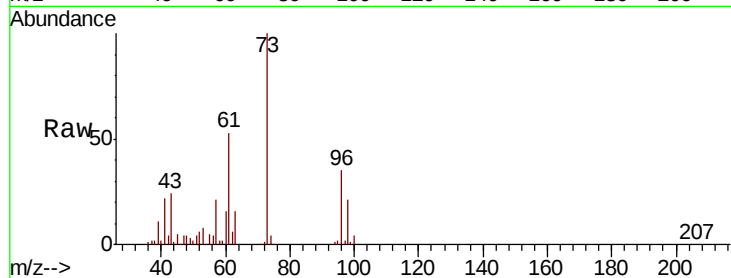




#19
trans-1,2-Dichloroethene
Concen: 104.292 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

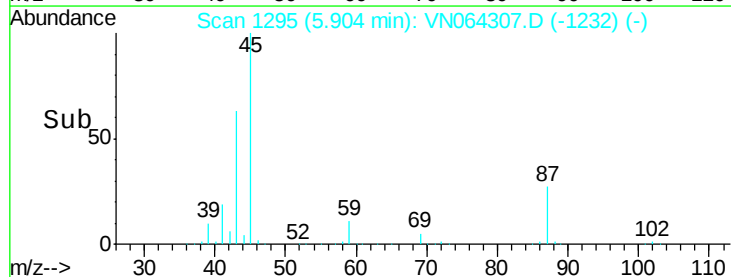
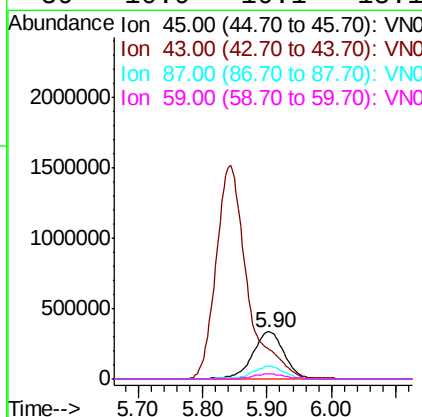
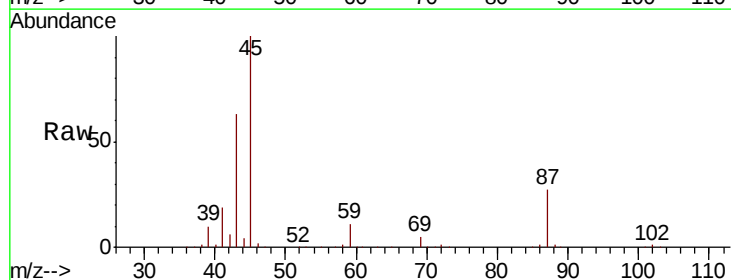
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

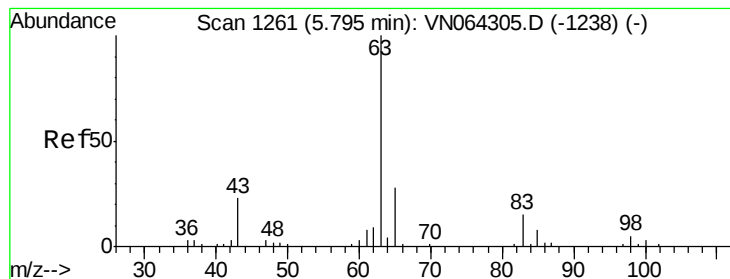
Tot Ion: 96 Resp: 320289
Ion Ratio Lower Upper
96 100
61 149.8 126.9 190.3
98 59.9 50.6 76.0



#20
Diisopropyl ether
Concen: 113.223 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion: 45 Resp: 1147820
Ion Ratio Lower Upper
45 100
43 61.4 56.6 85.0
87 26.8 20.3 30.5
59 10.9 10.1 15.1





#21

1,1-Dichloroethane

Concen: 103.897 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

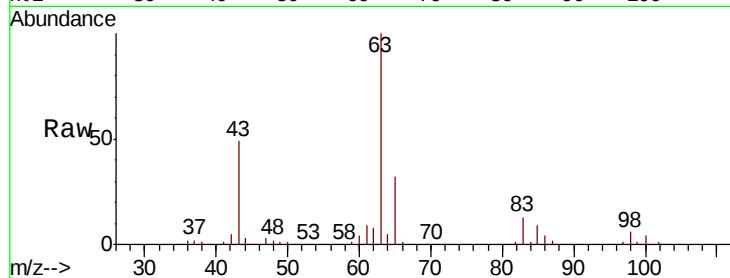
Tot Ion: 63 Resp: 620269

Ion Ratio Lower Upper

63 100

98 5.8 2.6 8.0

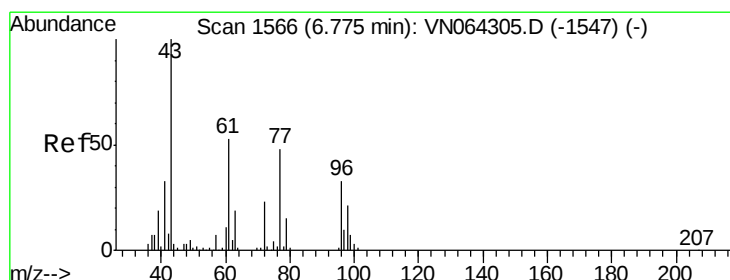
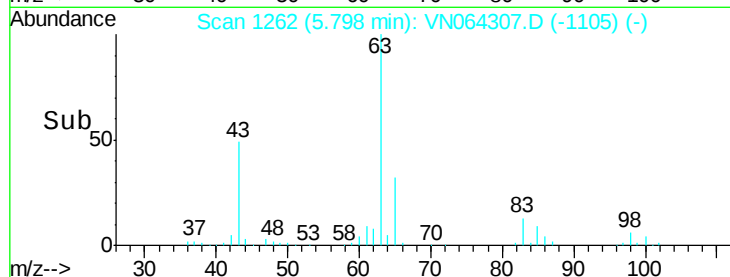
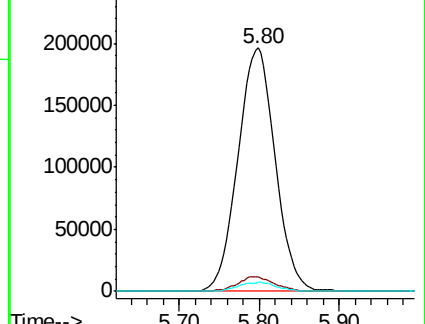
100 3.7 1.6 4.8



Abundance Ion 63.00 (62.70 to 63.70): VN064307.D (-1105) (-)

Ion 98.00 (97.70 to 98.70): VN064307.D (-1105) (-)

Ion 100.00 (99.70 to 100.70): VN064307.D (-1105) (-)



#22

cis-1,2-Dichloroethene

Concen: 102.485 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

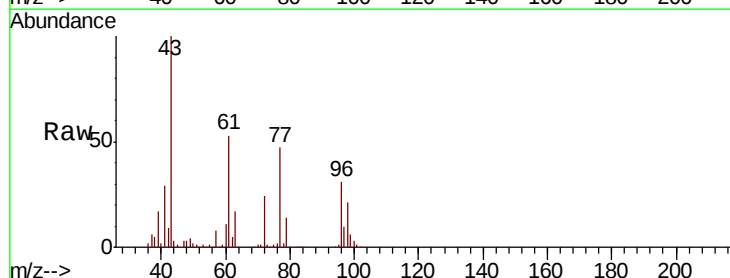
Tgt Ion: 96 Resp: 365188

Ion Ratio Lower Upper

96 100

61 165.1 133.0 199.6

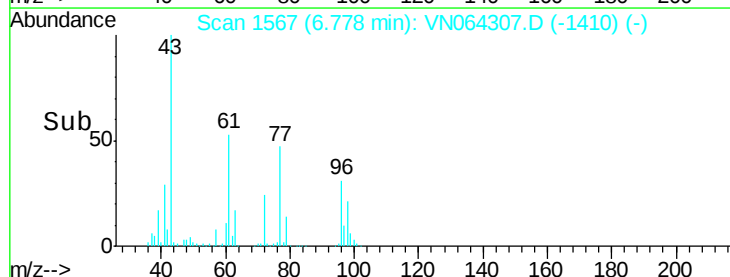
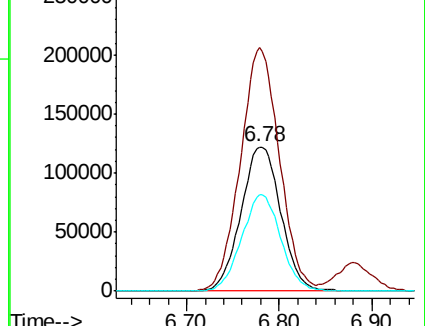
98 65.6 51.6 77.4

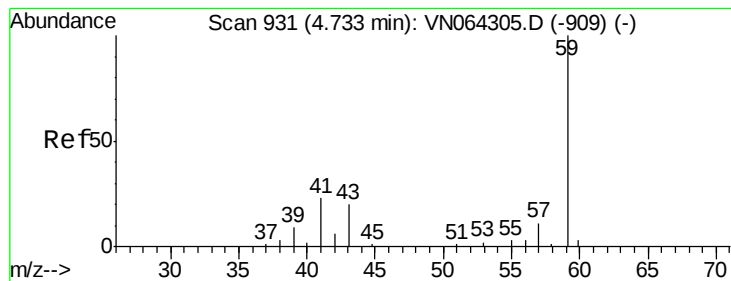


Abundance Ion 96.00 (95.70 to 96.70): VN064307.D (-1410) (-)

Ion 61.00 (60.70 to 61.70): VN064307.D (-1410) (-)

Ion 98.00 (97.70 to 98.70): VN064307.D (-1410) (-)





#23

tert-Butyl Alcohol

Concen: 597.667 ug/l

RT: 4.73 min Scan# 931

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

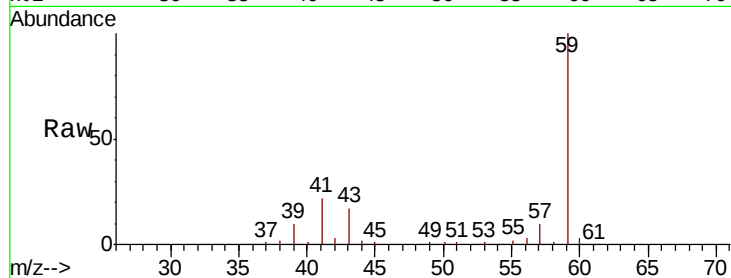
VSTDIC100

Tot Ion: 59 Resp: 353456

Ion Ratio Lower Upper

59 100

52 0.1 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VN064307.D (-775) (-)

Ion 52.00 (51.70 to 52.70): VN064307.D (-775) (-)

200000

150000

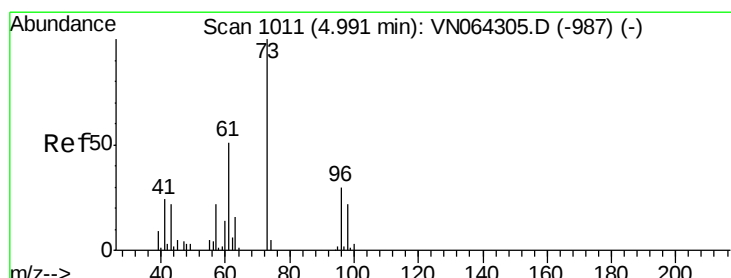
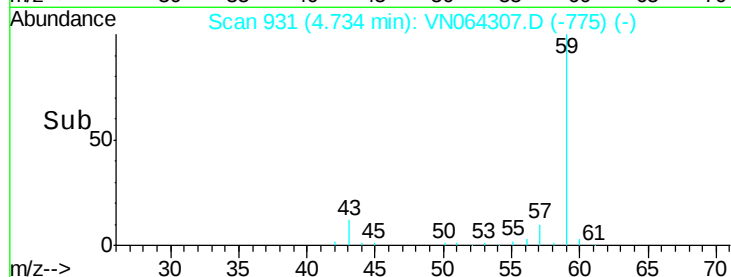
100000

50000

0

4.60 4.70 4.80

Time-->



#24

Methyl tert-Butyl Ether

Concen: 112.633 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN064307.D

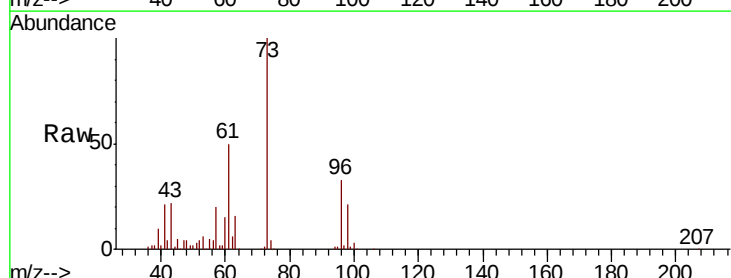
Acq: 26 Oct 2020 17:05

Tgt Ion: 73 Resp: 1099139

Ion Ratio Lower Upper

73 100

43 12.0 19.4 29.2#



Abundance Ion 73.00 (72.70 to 73.70): VN064307.D (-855) (-)

Ion 43.00 (42.70 to 43.70): VN064307.D (-855) (-)

300000

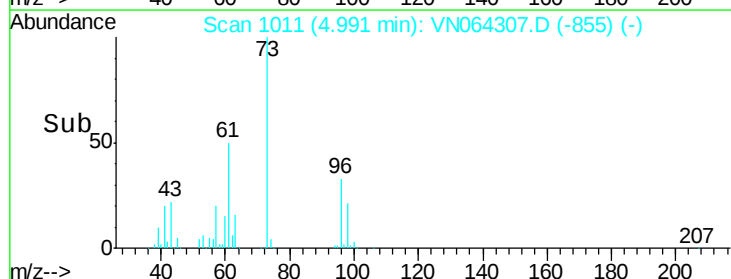
200000

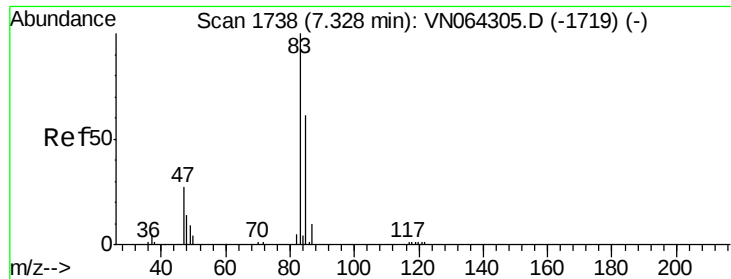
100000

0

4.80 4.90 5.00 5.10

Time-->





#25

Chloroform

Concen: 100.535 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampled :

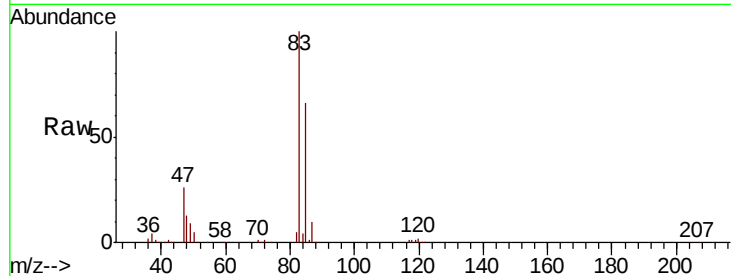
VSTDIC100

Tot Ion: 83 Resp: 648185

Ion Ratio Lower Upper

83 100

85 66.0 48.6 73.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.33

250000

200000

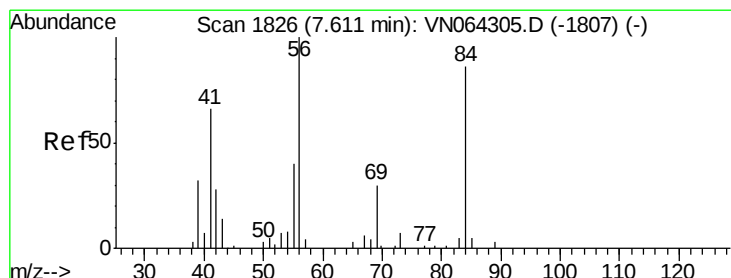
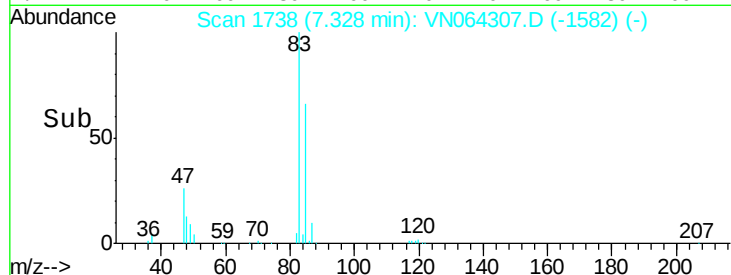
150000

100000

50000

0

Time-->



#26

Cyclohexane

Concen: 113.304 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

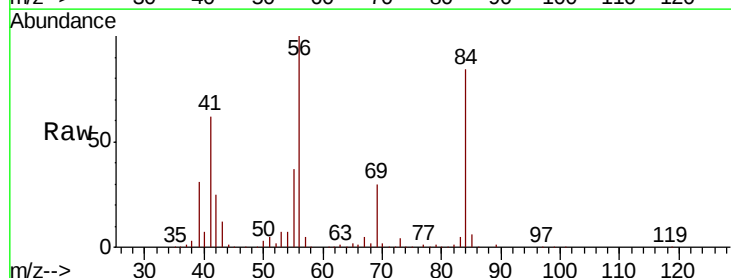
Tgt Ion: 56 Resp: 527347

Ion Ratio Lower Upper

56 100

89 0.5 1.0 1.6#

84 83.2 67.5 101.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

400000

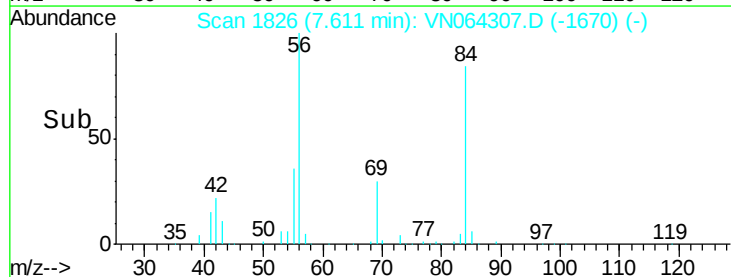
300000

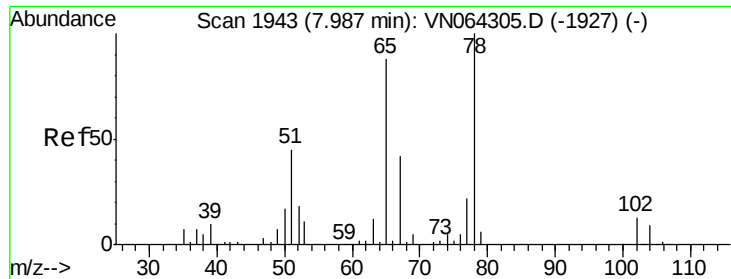
200000

100000

0

Time-->





#27

1,2-Dichloroethane-d4

Concen: 30.394 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

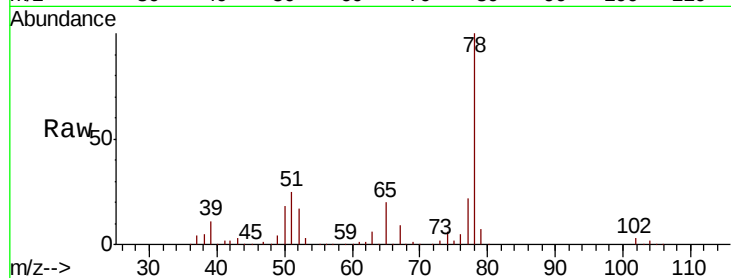
VSTDIC100

Tot Ion: 65 Resp: 134549

Ion Ratio Lower Upper

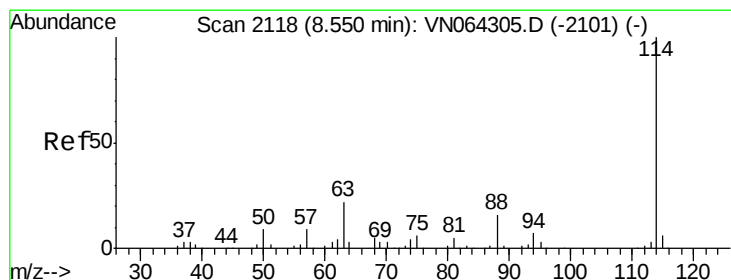
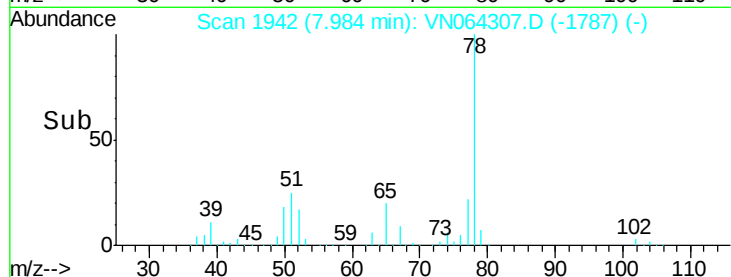
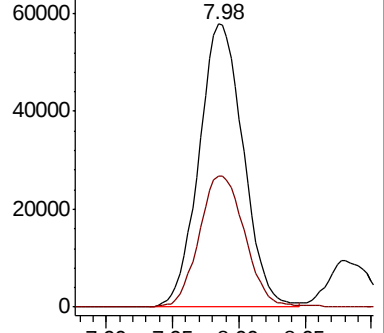
65 100

67 47.9 38.5 57.7



Abundance Ion 65.00 (64.70 to 65.70): VN064307.D (-1787) (-)

Ion 67.00 (66.70 to 67.70): VN064307.D (-1787) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

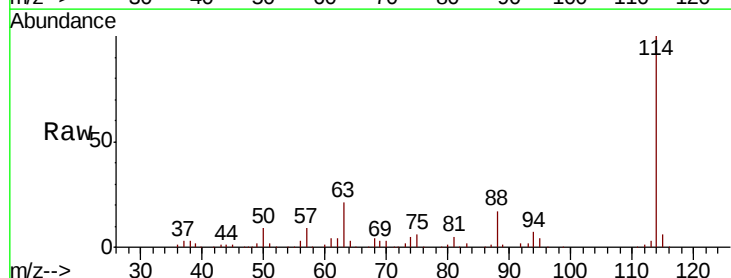
Tgt Ion: 114 Resp: 285495

Ion Ratio Lower Upper

114 100

63 21.4 18.3 27.5

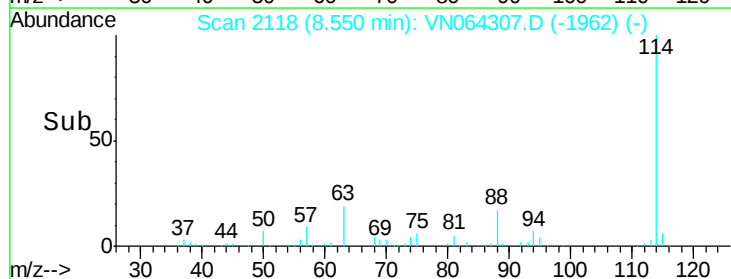
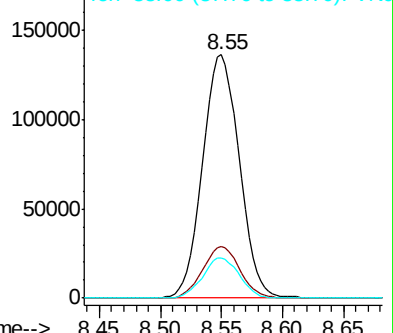
88 16.5 13.2 19.8

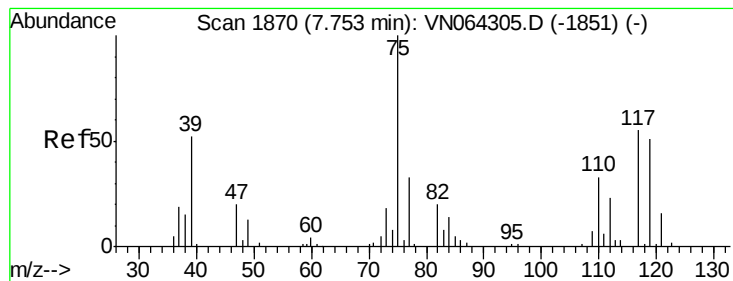


Abundance Ion 114.00 (113.70 to 114.70): VN064307.D (-1962) (-)

Ion 63.00 (62.70 to 63.70): VN064307.D (-1962) (-)

Ion 88.00 (87.70 to 88.70): VN064307.D (-1962) (-)





#29

1,1-Dichloropropene

Concen: 101.179 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

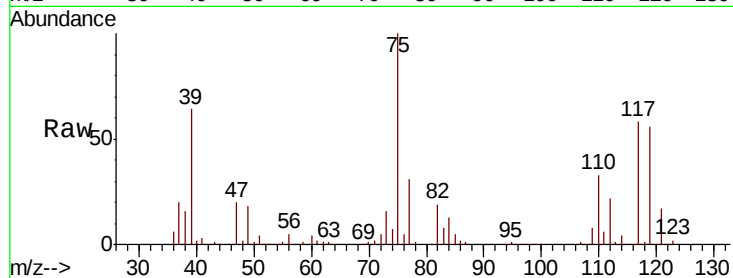
Tot Ion: 75 Resp: 488517

Ion Ratio Lower Upper

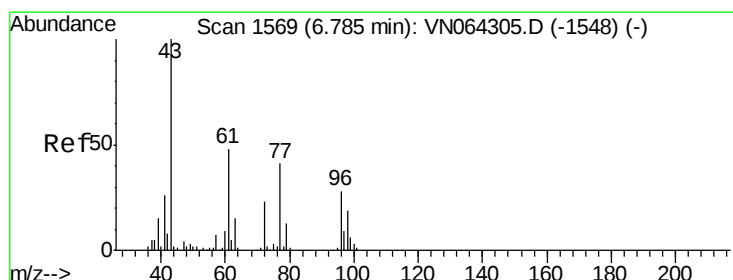
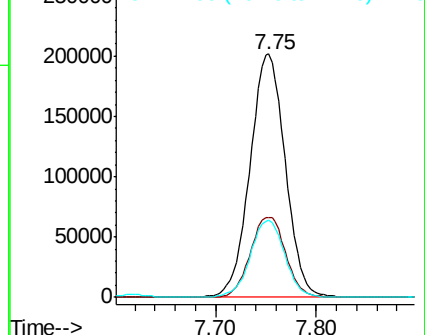
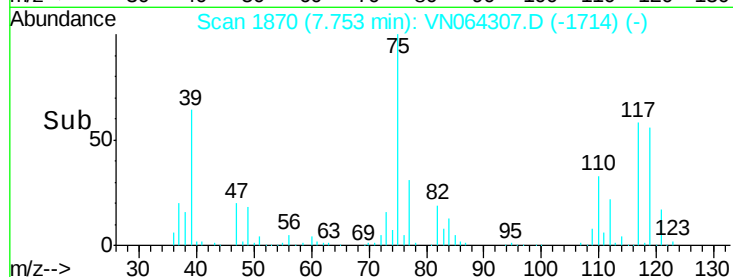
75 100

110 33.1 0.0 64.4

77 31.0 0.0 63.6



Abundance Ion 75.00 (74.70 to 75.70): VN064307.D (-1714) (-)



#30

2-Butanone

Concen: 541.927 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

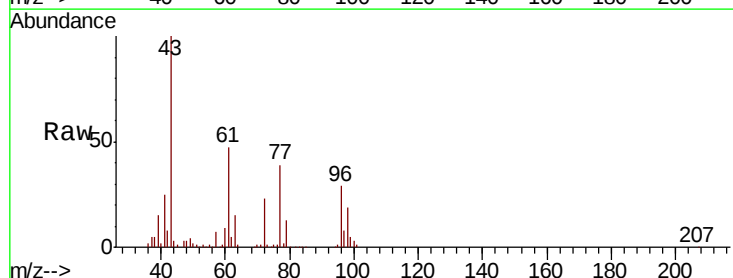
Tgt Ion: 43 Resp: 1169386

Ion Ratio Lower Upper

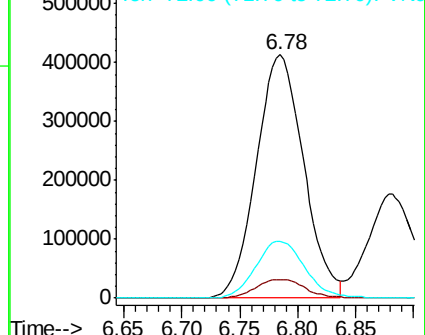
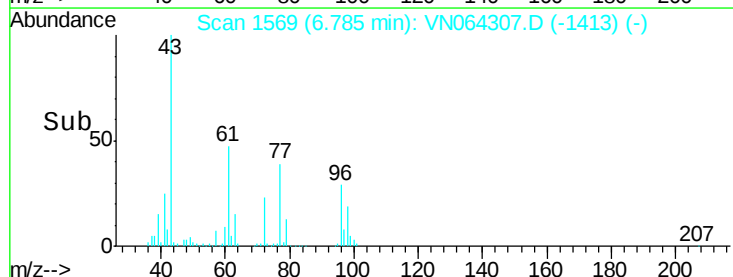
43 100

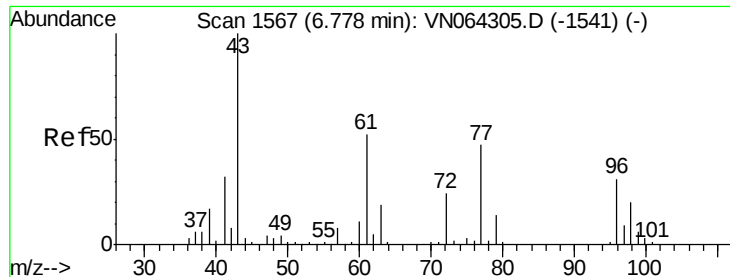
57 4.2 4.1 6.1

72 24.4 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN064307.D (-1413) (-)





#31

2,2-Dichloropropane

Concen: 98.460 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

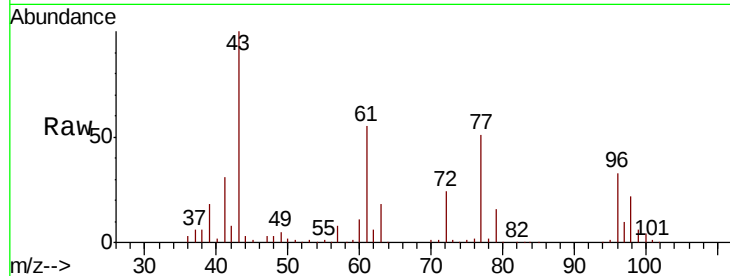
VSTDIC100

Tot Ion: 77 Resp: 590849

Ion Ratio Lower Upper

77 100

97 20.1 5.8 8.8#



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0

6.78

200000

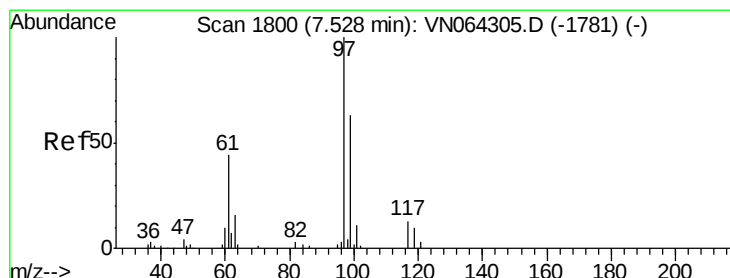
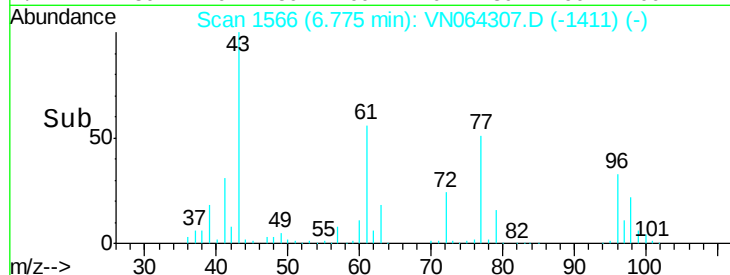
150000

100000

50000

0

Time--> 6.60 6.70 6.80 6.90



#32

1,1,1-Trichloroethane

Concen: 101.894 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

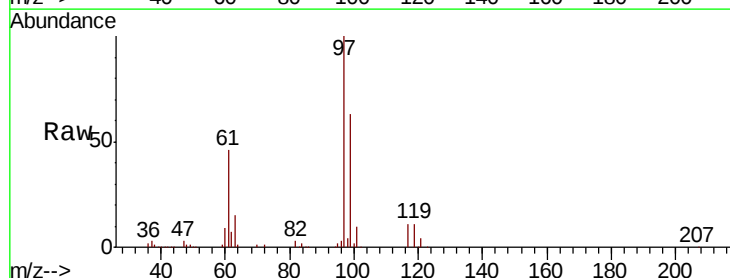
Tgt Ion: 97 Resp: 629053

Ion Ratio Lower Upper

97 100

99 63.6 51.6 77.4

61 44.6 36.4 54.6



Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

300000

250000

200000

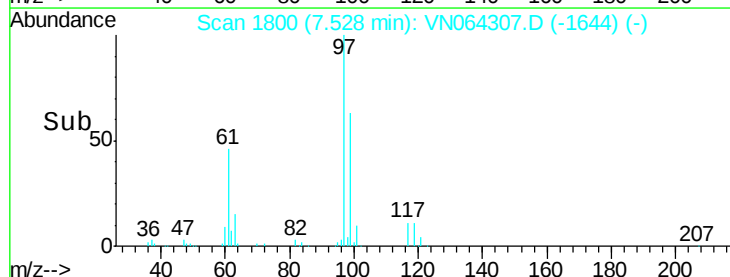
150000

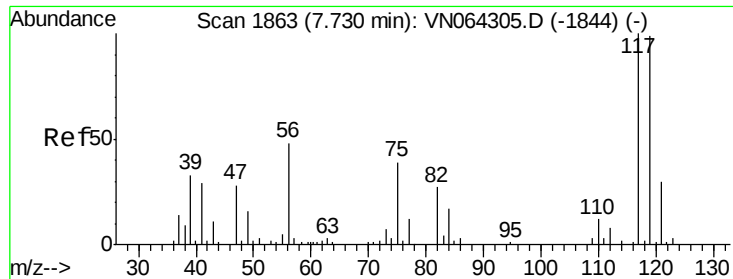
100000

50000

0

Time--> 7.40 7.50 7.60

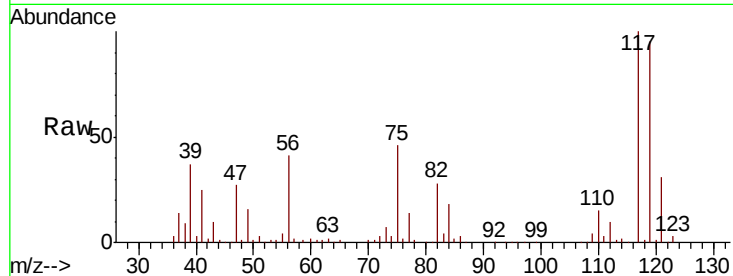




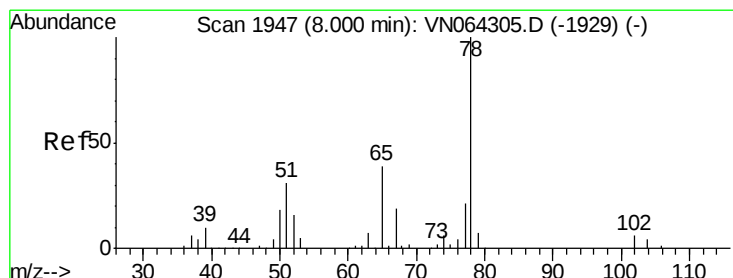
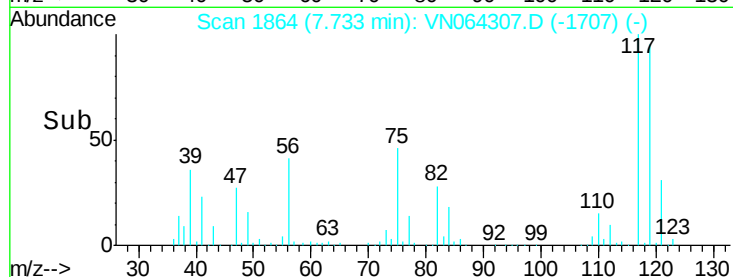
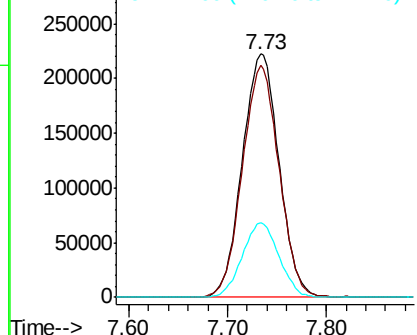
#33
Carbon Tetrachloride
Concen: 103.681 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 574323
Ion Ratio Lower Upper
117 100
119 95.1 79.3 118.9
121 30.9 24.6 37.0

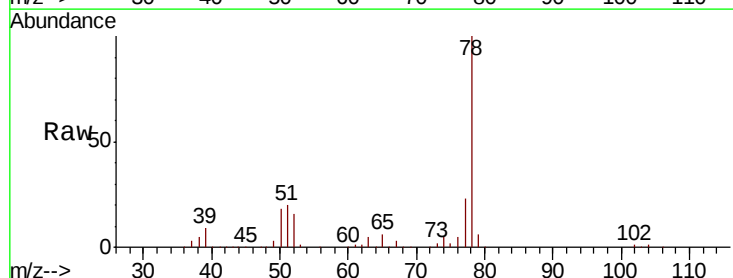


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

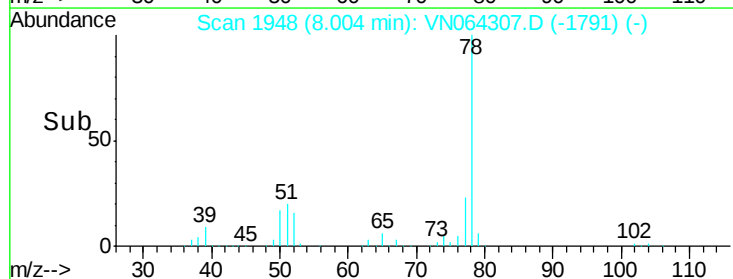
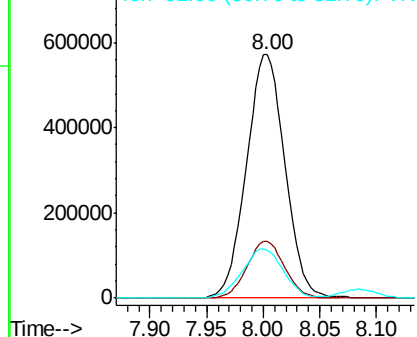


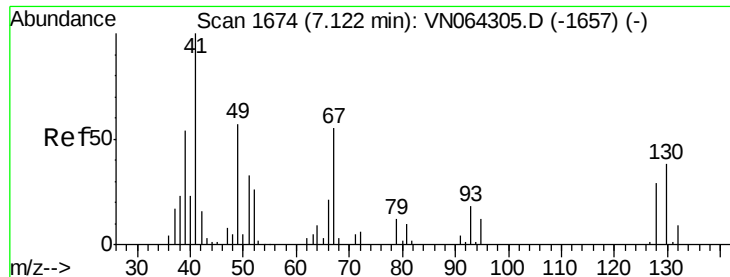
#34
Benzene
Concen: 102.274 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion: 78 Resp: 1351463
Ion Ratio Lower Upper
78 100
77 23.2 16.5 24.7
51 19.8 24.5 36.7#



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

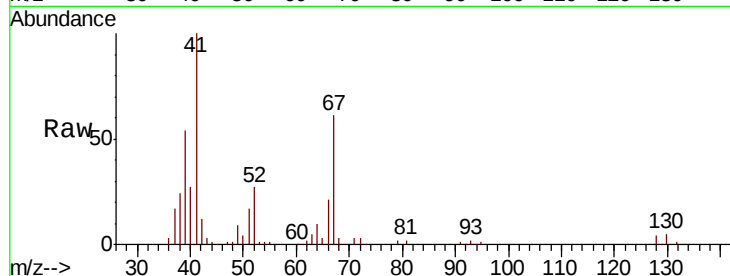




#35
Methacrylonitrile
Concen: 107.389 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	233138
Ion	Ratio	Lower	Upper
41	100		
39	54.1	27.1	81.2
67	60.8	27.7	83.1
52	26.6	13.2	39.5



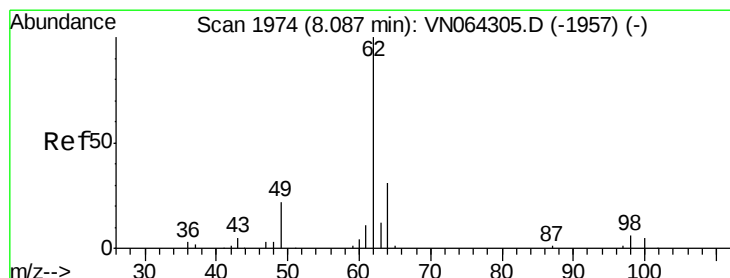
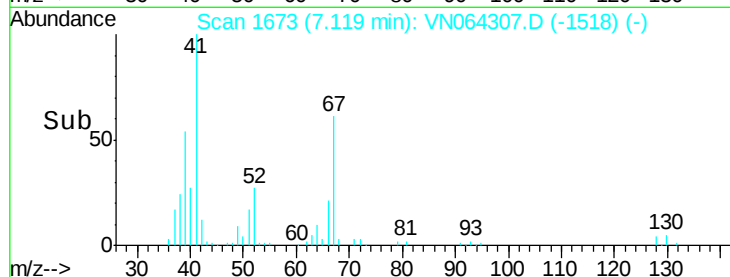
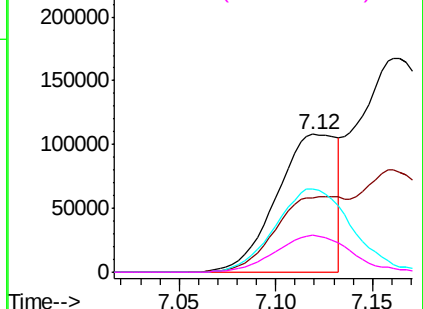
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

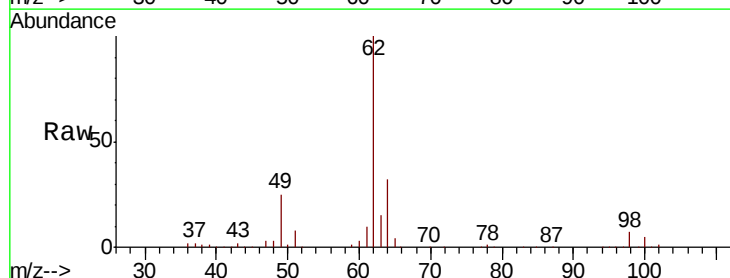
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#36
1,2-Dichloroethane
Concen: 101.218 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

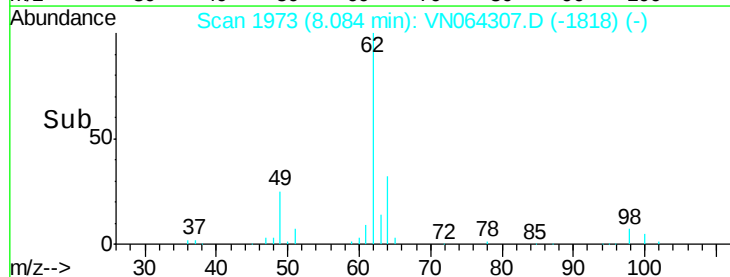
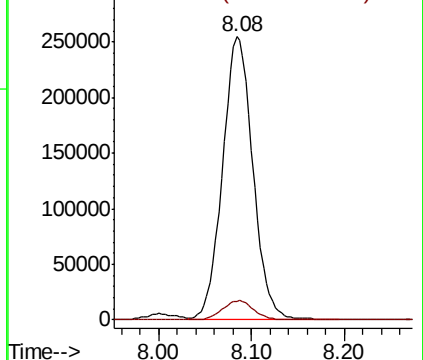
Tgt Ion:	62	Resp:	578661
Ion	Ratio	Lower	Upper
62	100		
98	7.0	3.4	5.0#

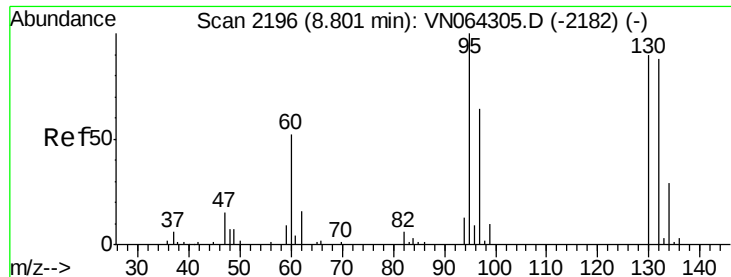


Abundance

Ion 62.00 (61.70 to 62.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

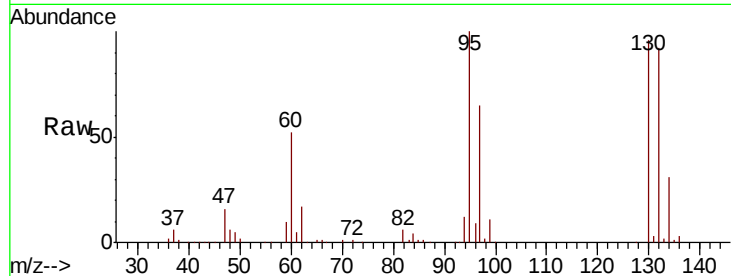




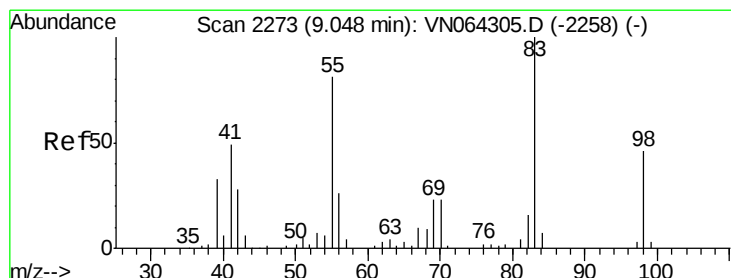
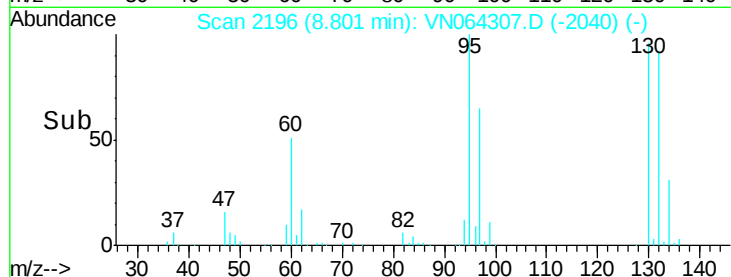
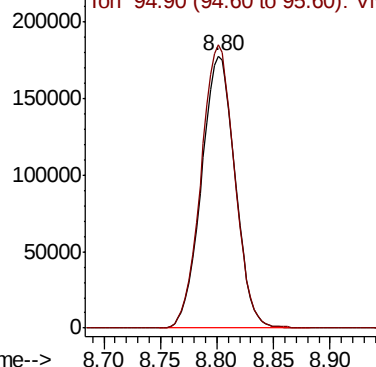
#37
 Trichloroethene
 Concen: 102.350 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:130 Resp: 369084
 Ion Ratio Lower Upper
 130 100
 95 103.9 88.8 133.2

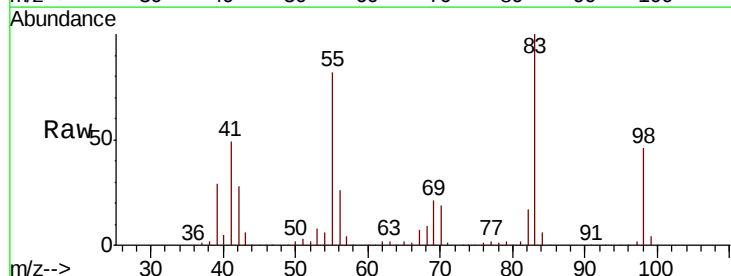


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

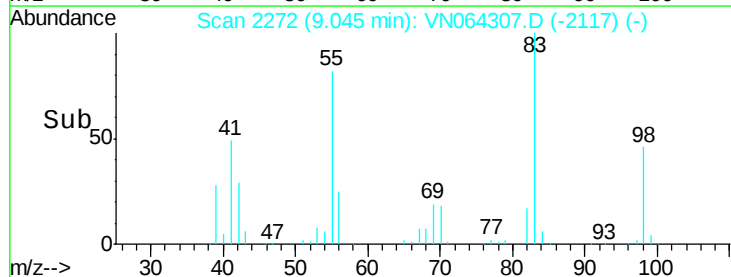
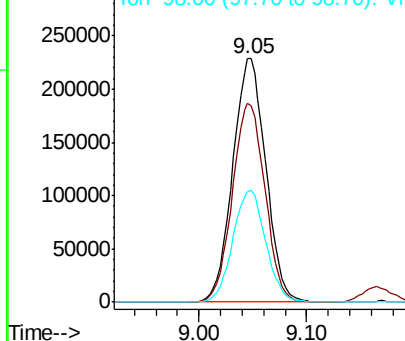


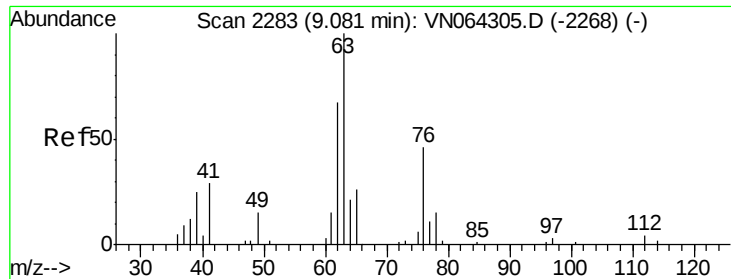
#38
 Methylcyclohexane
 Concen: 109.534 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Tgt Ion: 83 Resp: 486063
 Ion Ratio Lower Upper
 83 100
 55 80.2 40.3 120.8
 98 45.6 22.8 68.3



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

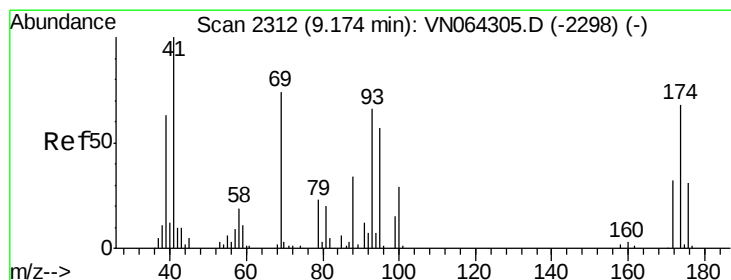
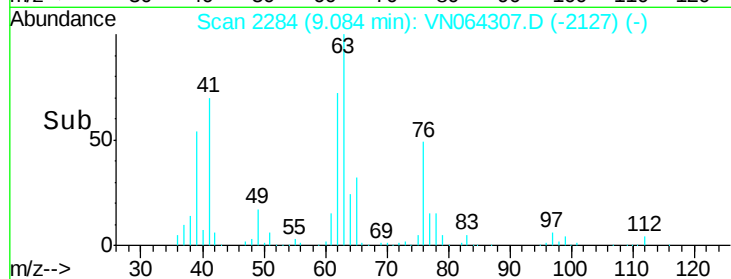
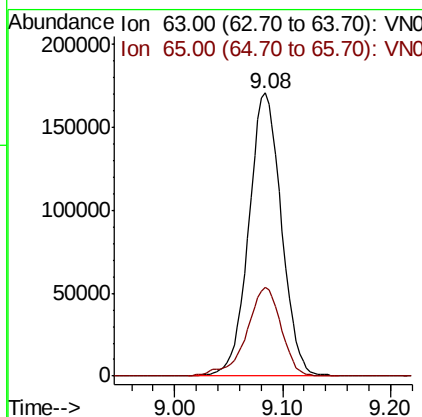
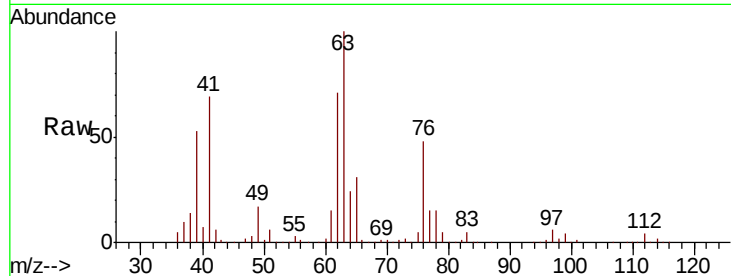




#39
 1,2-Dichloropropane
 Concen: 100.824 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

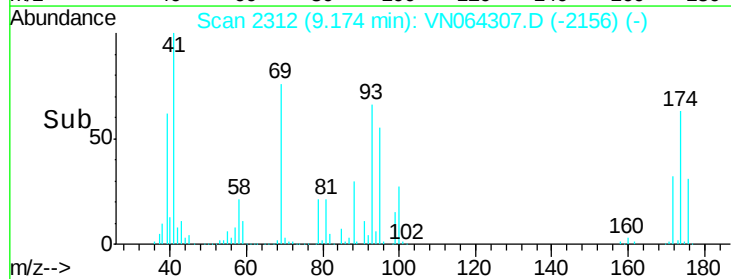
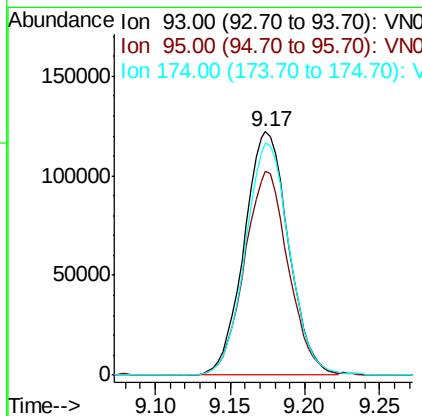
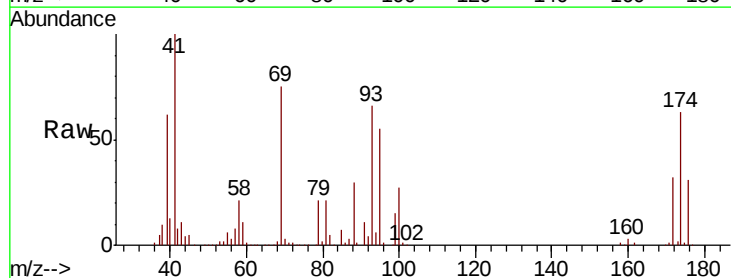
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

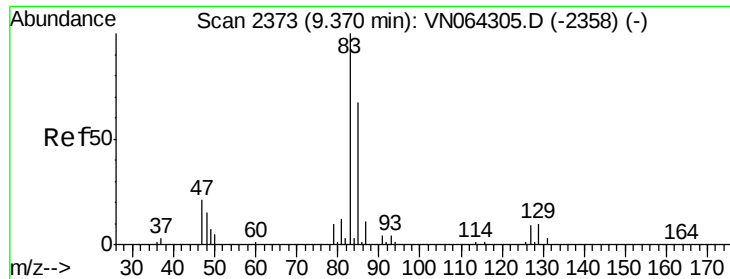
Tot Ion: 63 Resp: 358985
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.6 33.8



#40
 Dibromomethane
 Concen: 102.284 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Tgt Ion: 93 Resp: 251991
 Ion Ratio Lower Upper
 93 100
 95 83.1 0.0 174.4
 174 94.6 0.0 188.0





#41

Bromodichloromethane

Concen: 102.040 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

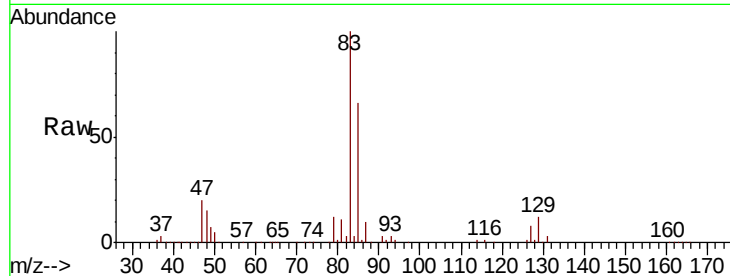
Tot Ion: 83 Resp: 544295

Ion Ratio Lower Upper

83 100

85 65.7 53.4 80.0

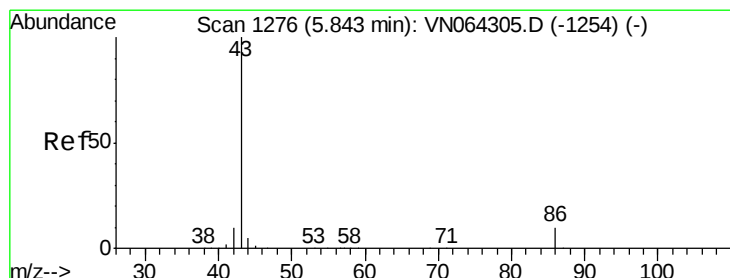
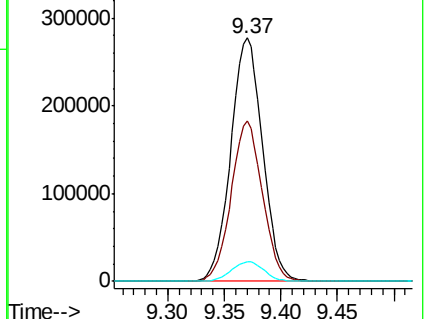
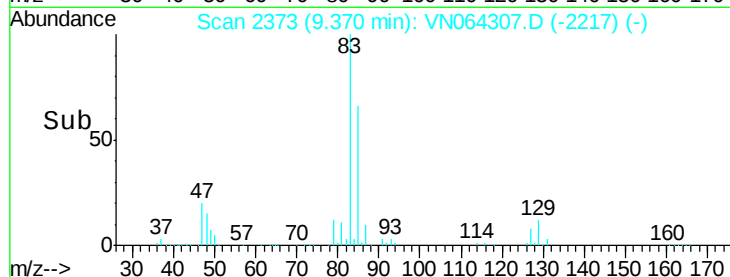
127 8.0 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN064307.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN064307.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN064307.D (-2217) (-)



#42

Vinyl Acetate

Concen: 540.222 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN064307.D

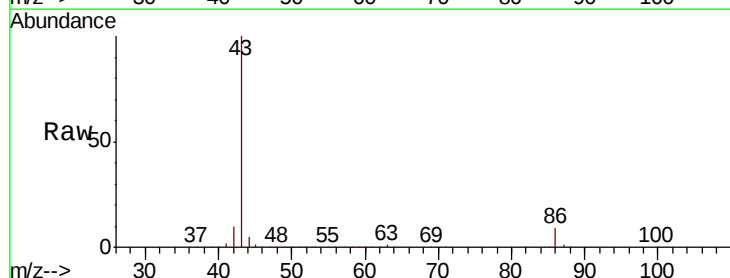
Acq: 26 Oct 2020 17:05

Tgt Ion: 43 Resp: 5127398

Ion Ratio Lower Upper

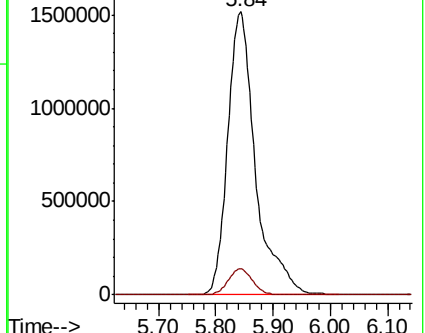
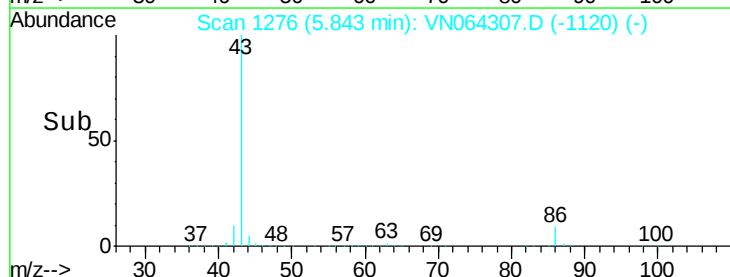
43 100

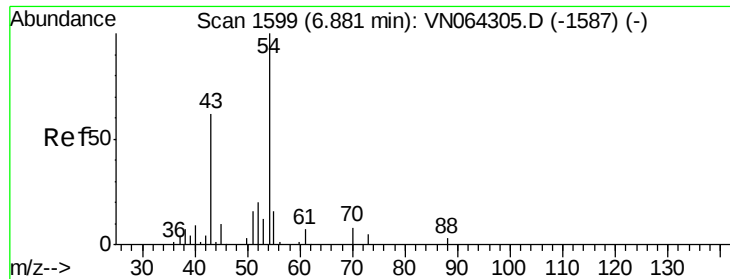
86 8.1 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN064307.D (-1120) (-)

Ion 86.00 (85.70 to 86.70): VN064307.D (-1120) (-)

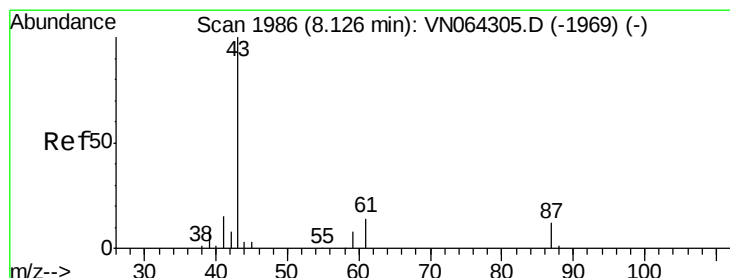
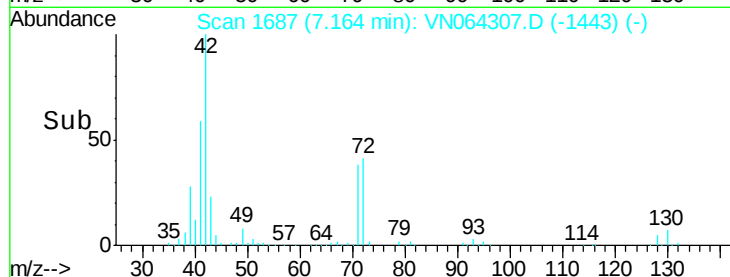
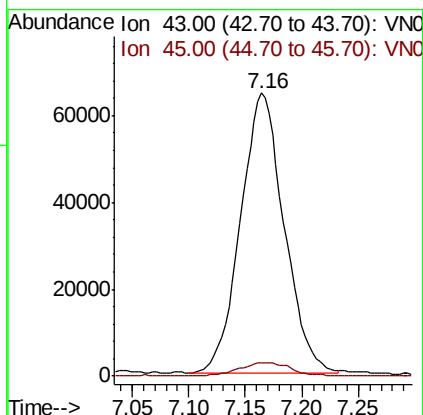
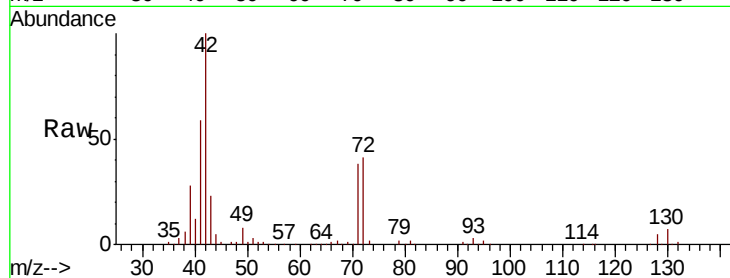




#43
Ethyl Acetate
Concen: 37.705 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.28 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

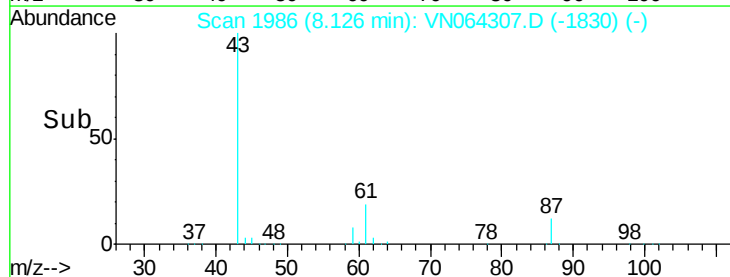
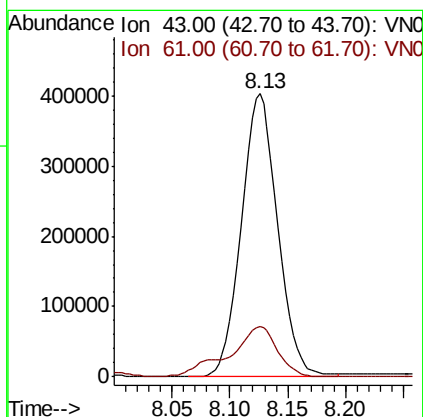
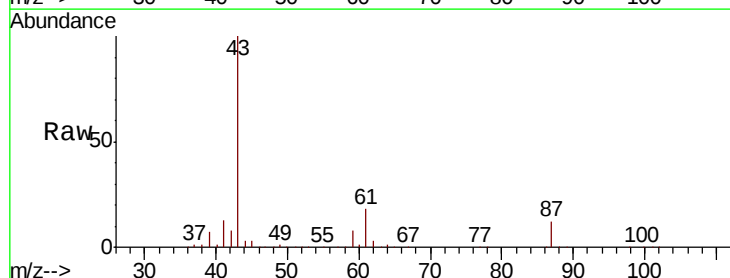
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

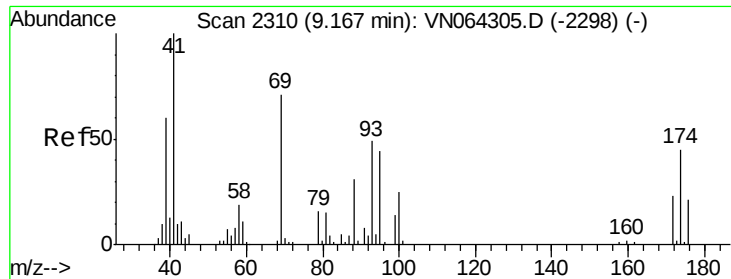
Tot Ion: 43 Resp: 172283
Ion Ratio Lower Upper
43 100
45 5.8 4.0 6.0



#44
Isopropyl Acetate
Concen: 107.347 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion: 43 Resp: 876497
Ion Ratio Lower Upper
43 100
61 23.8 14.3 21.5#



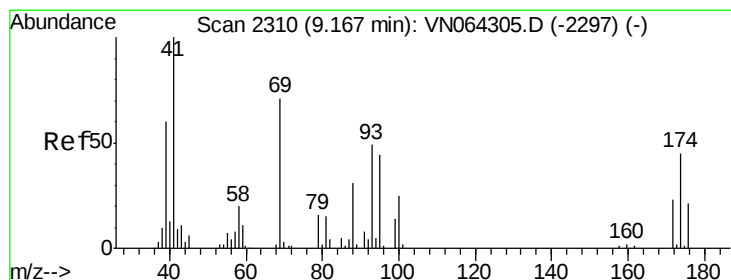
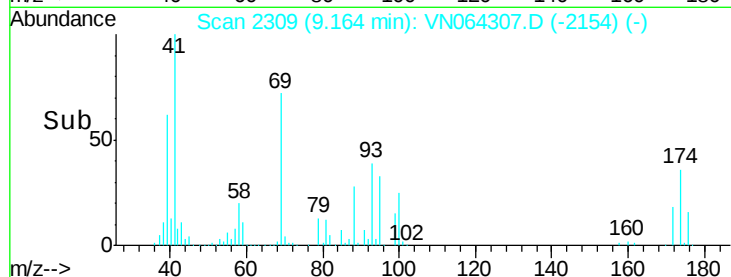
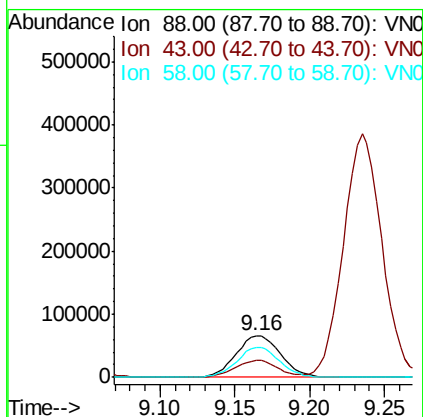
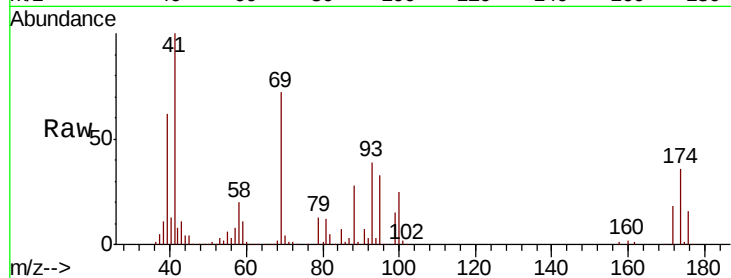


#45
 1,4-Dioxane
 Concen: 2605.842 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 88 Resp: 137167

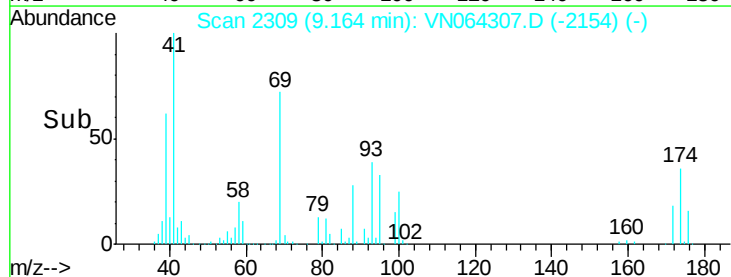
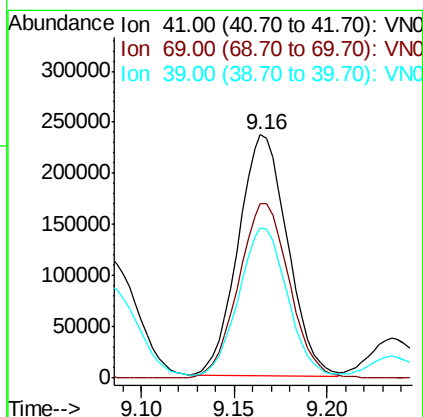
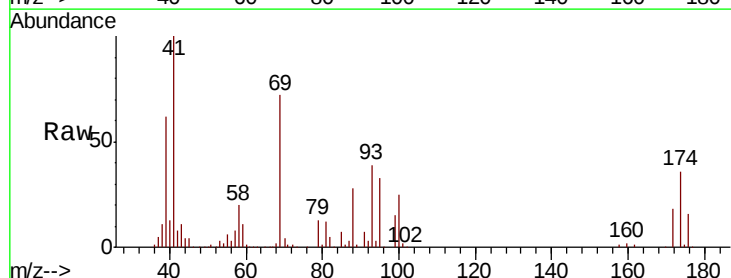
Ion	Ratio	Lower	Upper
88	100		
43	37.8	31.2	46.8
58	69.6	55.4	83.2

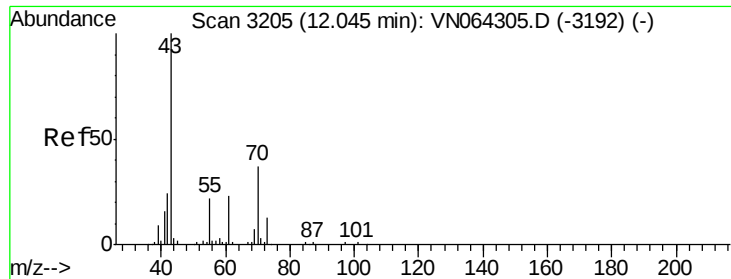


#46
 Methyl methacrylate
 Concen: 109.760 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Tgt Ion: 41 Resp: 435637

Ion	Ratio	Lower	Upper
41	100		
69	72.2	35.3	105.9
39	61.2	30.2	90.6

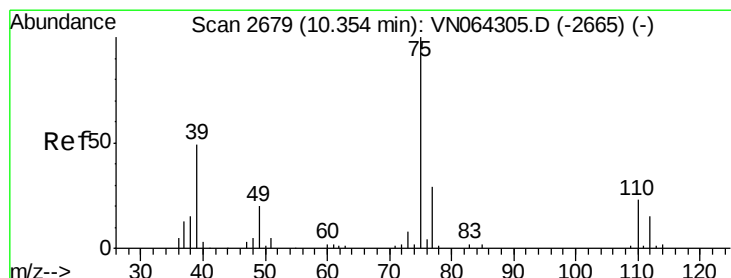
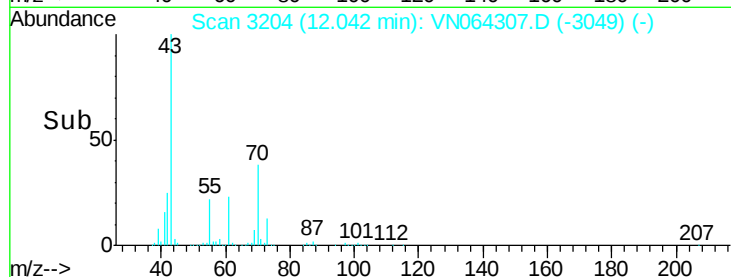
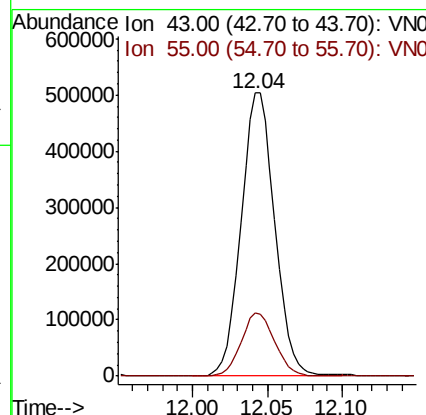
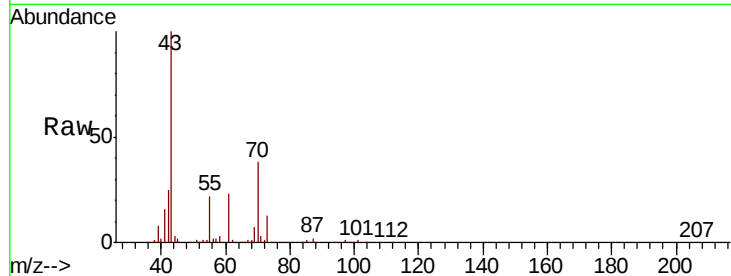




#47
n-amvl Acetate
Concen: 111.140 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

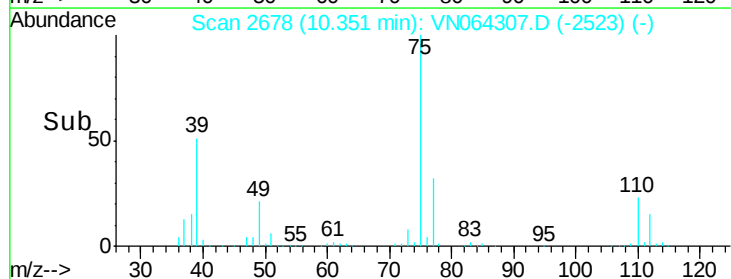
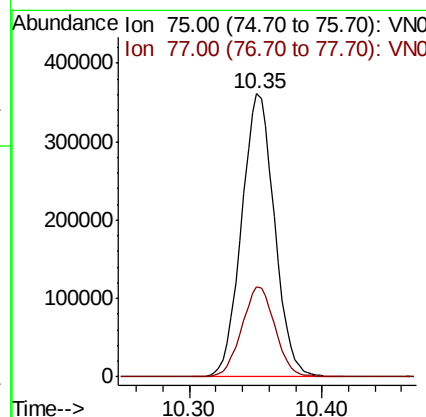
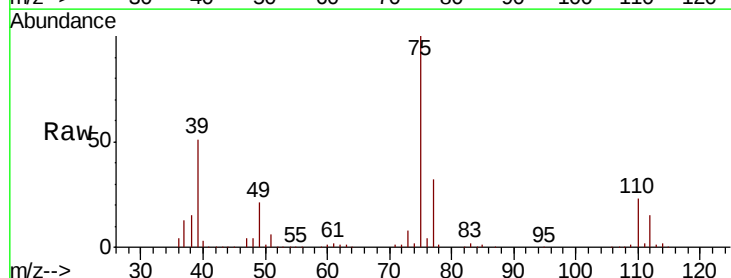
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

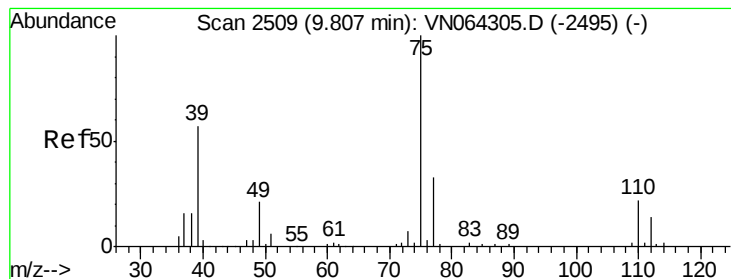
Tot Ion: 43 Resp: 785931
Ion Ratio Lower Upper
43 100
55 22.2 17.3 25.9



#48
t-1,3-Dichloropropene
Concen: 103.879 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion: 75 Resp: 622686
Ion Ratio Lower Upper
75 100
77 31.9 23.7 35.5



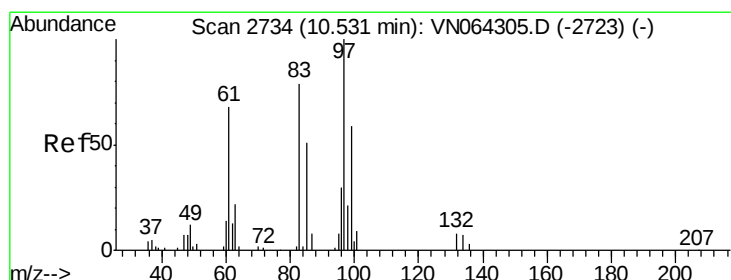
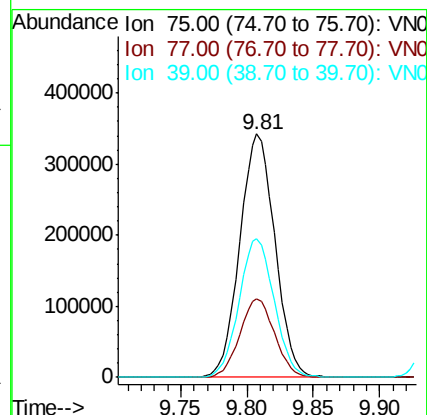
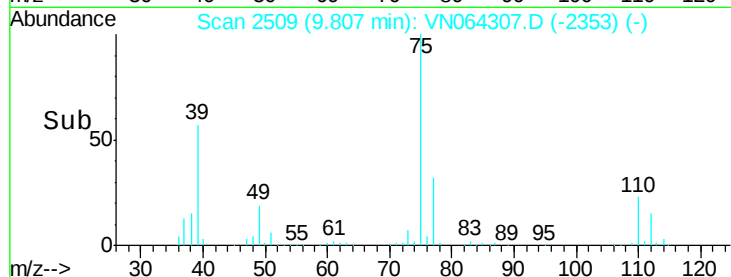
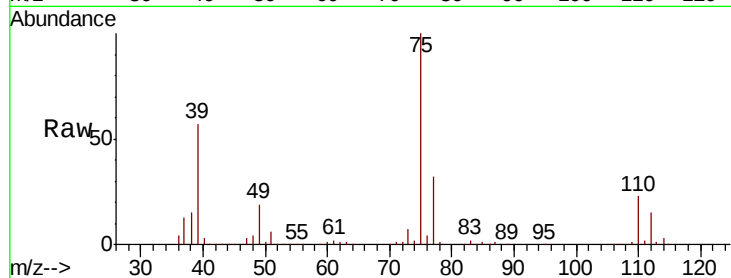


#49

cis-1,3-Dichloropropene
 Concen: 101.806 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

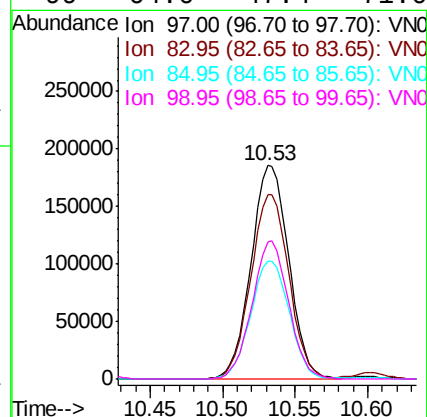
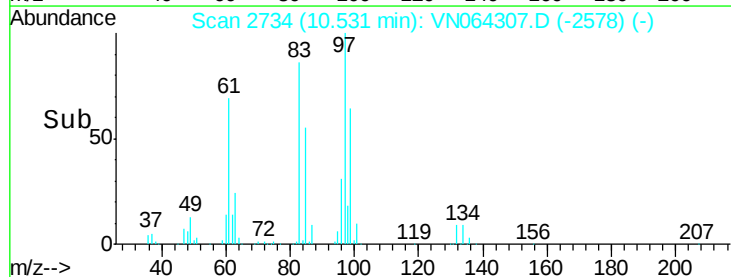
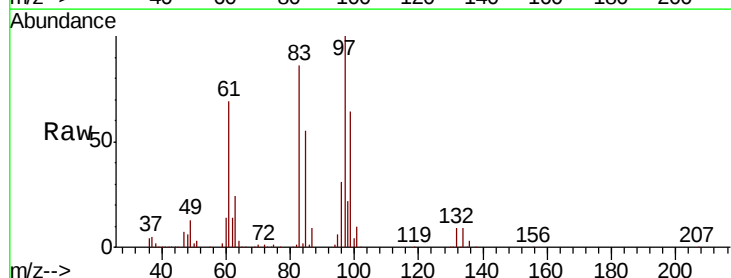
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.7	40.1
39	56.8	45.9	68.9

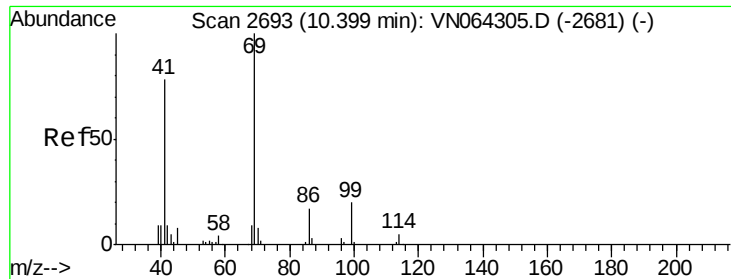


#50

1,1,2-Trichloroethane
 Concen: 102.676 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.4	63.2	94.8
85	55.4	41.0	61.6
99	64.0	47.4	71.0





#51

Ethyl methacrylate

Concen: 107.284 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

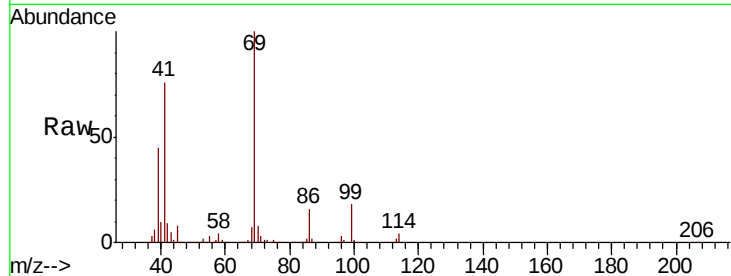
Tot Ion: 69 Resp: 543818

Ion Ratio Lower Upper

69 100

41 76.2 38.8 116.4

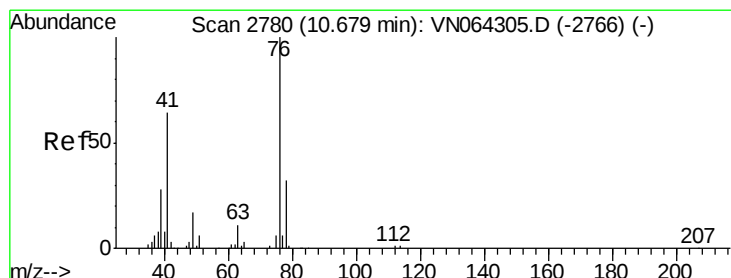
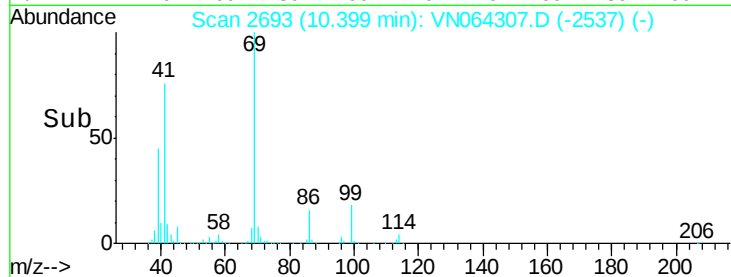
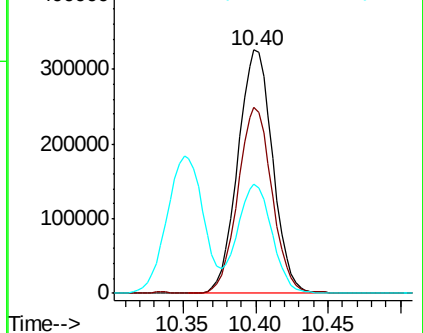
39 44.6 24.6 74.0



Abundance Ion 69.00 (68.70 to 69.70): VN064307.D (-2537) (-)

Ion 41.00 (40.70 to 41.70): VN064307.D (-2537) (-)

Ion 39.00 (38.70 to 39.70): VN064307.D (-2537) (-)



#52

1,3-Dichloropropane

Concen: 103.231 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064307.D

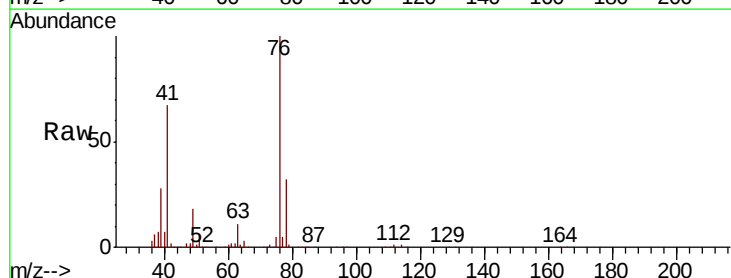
Acq: 26 Oct 2020 17:05

Tgt Ion: 76 Resp: 597327

Ion Ratio Lower Upper

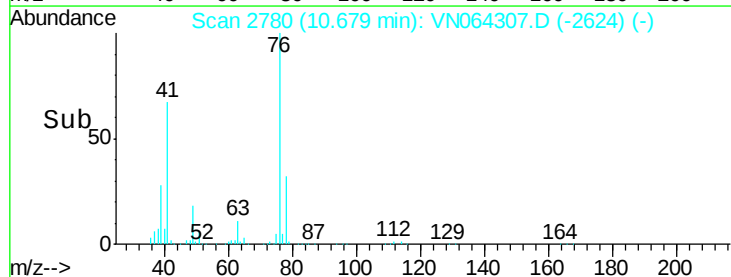
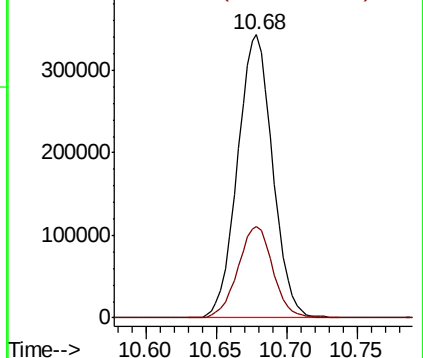
76 100

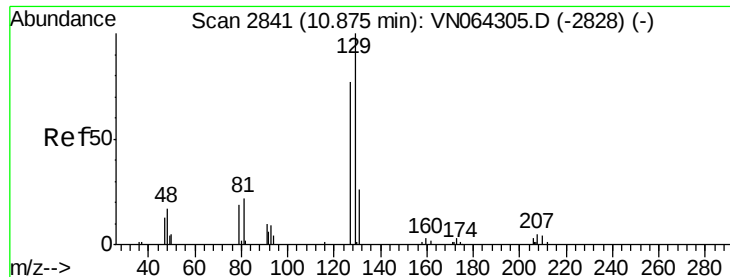
78 32.2 0.0 61.6



Abundance Ion 76.00 (75.70 to 76.70): VN064307.D (-2624) (-)

Ion 78.00 (77.70 to 78.70): VN064307.D (-2624) (-)





#53

Dibromochloromethane

Concen: 104.198 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

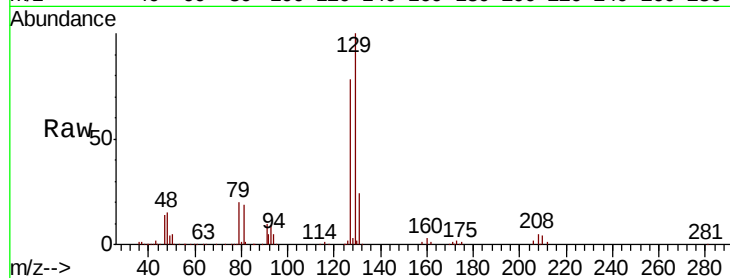
VSTDIC100

Tot Ion:129 Resp: 425234

Ion Ratio Lower Upper

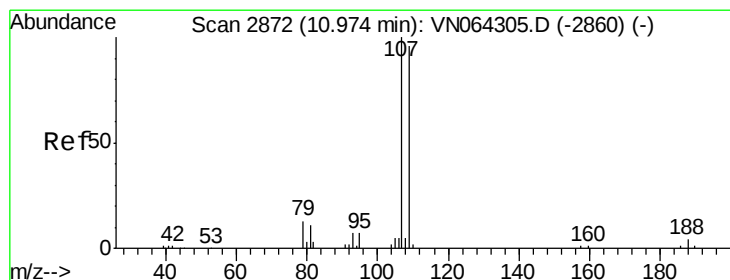
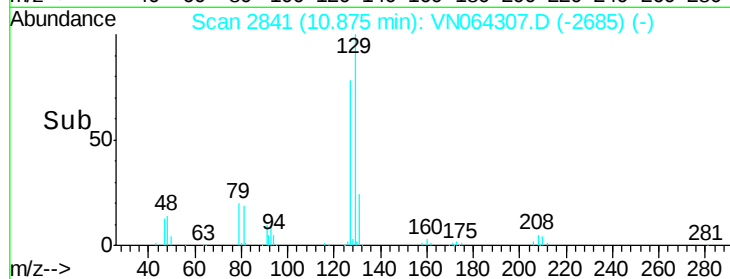
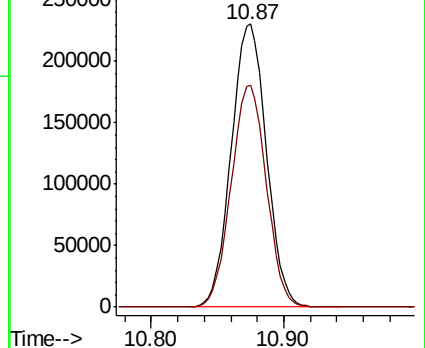
129 100

127 78.2 38.9 116.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 104.590 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064307.D

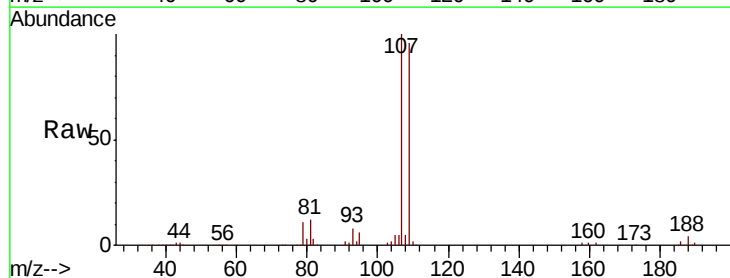
Acq: 26 Oct 2020 17:05

Tgt Ion:107 Resp: 368284

Ion Ratio Lower Upper

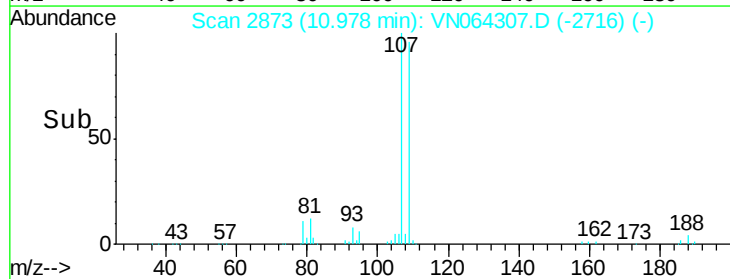
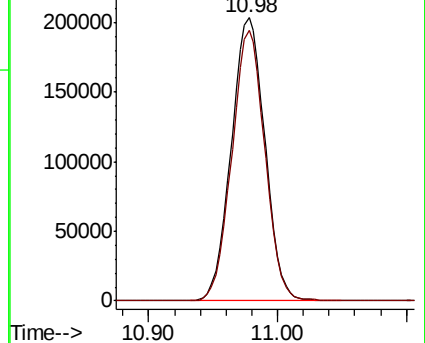
107 100

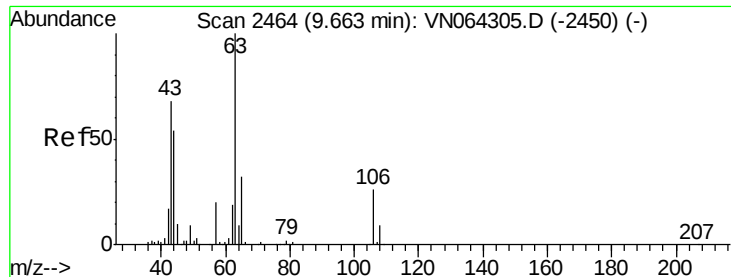
109 93.7 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 528.748 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

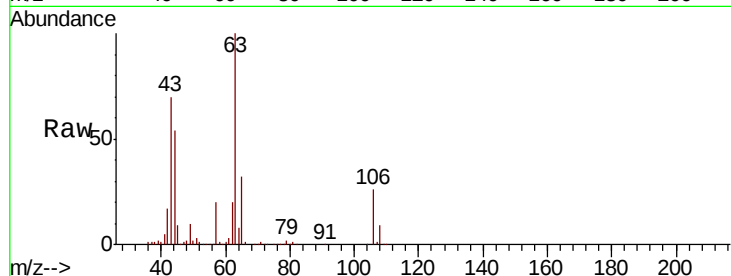
Tot Ion: 63 Resp: 1395321

Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.6	38.4
106	26.4	20.7	31.1

63 100

65 31.7 25.6 38.4

106 26.4 20.7 31.1

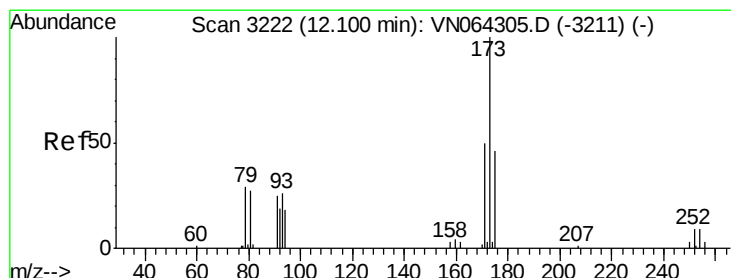
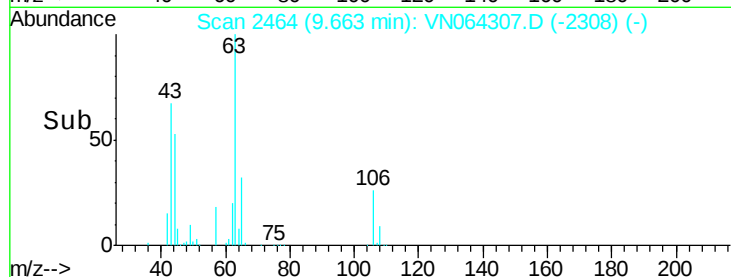
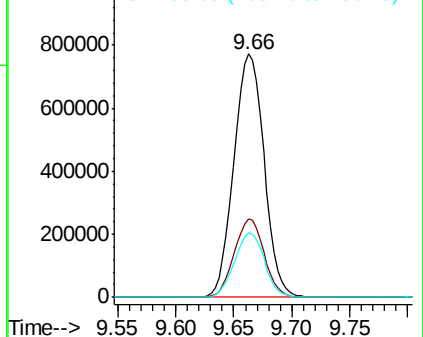


Abundance

Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

Ion 106.00 (105.70 to 106.70): VN0



#56

Bromoform

Concen: 107.723 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

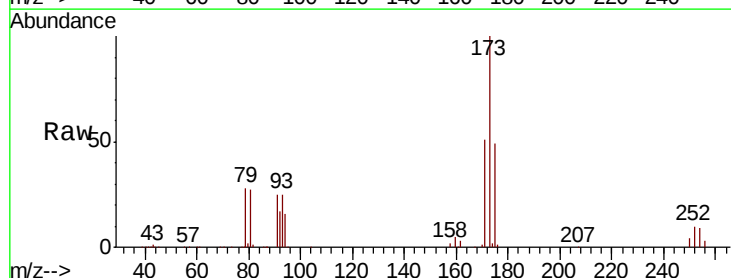
Tgt Ion: 173 Resp: 314032

Ion	Ratio	Lower	Upper
173	100		
175	49.2	37.3	55.9
254	8.9	4.8	7.2#

173 100

175 49.2 37.3 55.9

254 8.9 4.8 7.2#

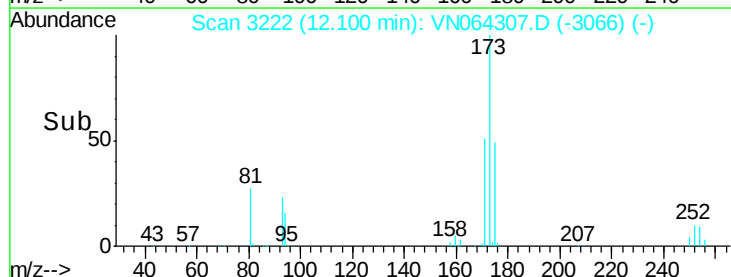
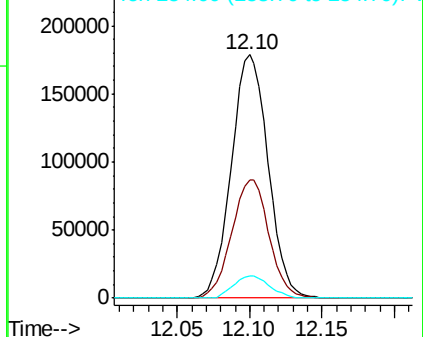


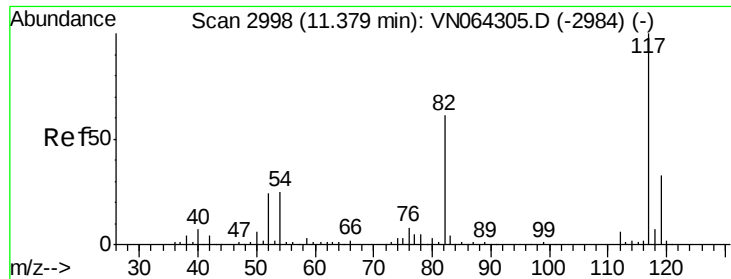
Abundance

Ion 173.00 (172.70 to 173.70): VN0

Ion 175.00 (174.70 to 175.70): VN0

Ion 254.00 (253.70 to 254.70): VN0

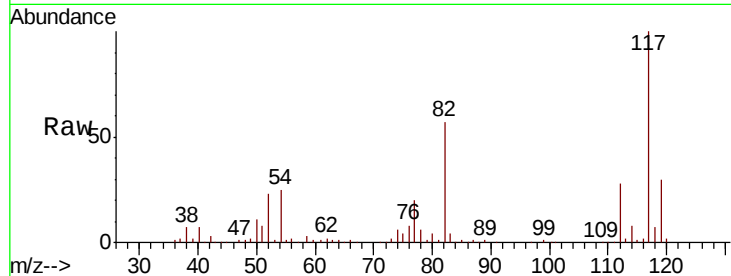




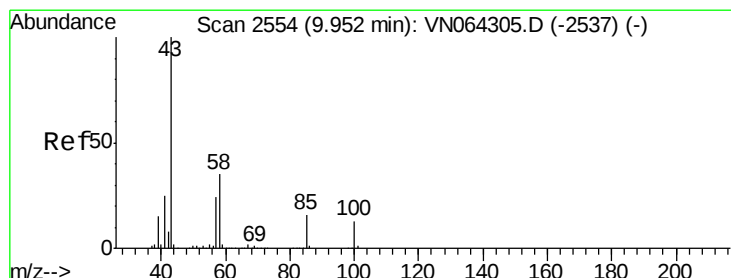
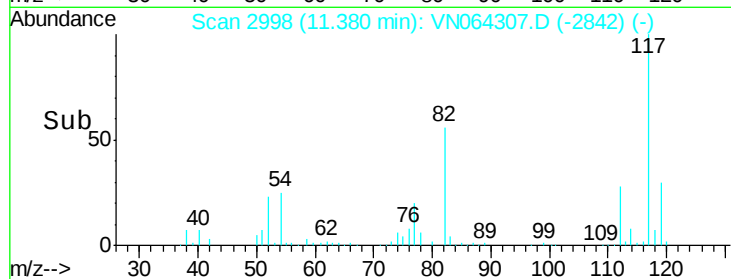
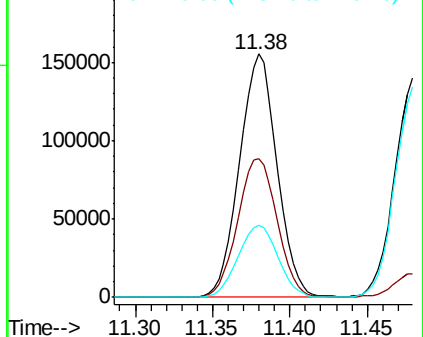
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 262557
Ion Ratio Lower Upper
117 100
82 60.1 48.7 73.1
119 31.5 25.1 37.7

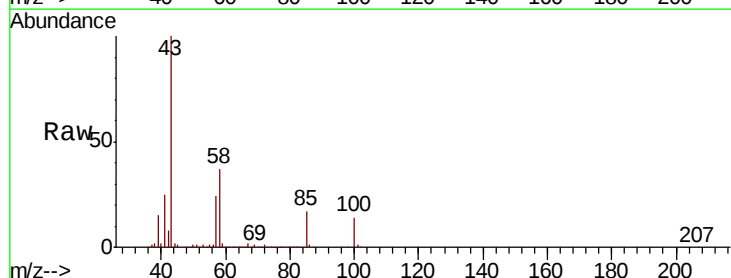


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

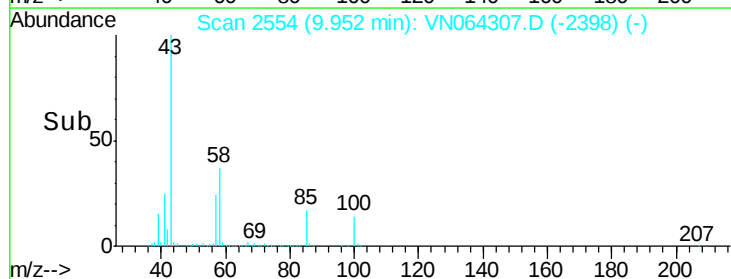
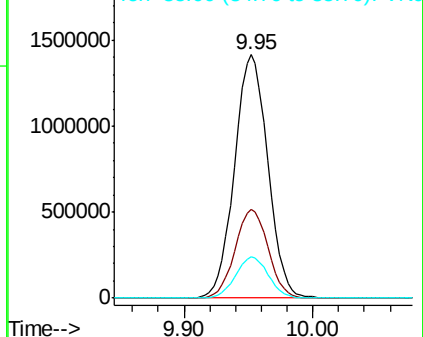


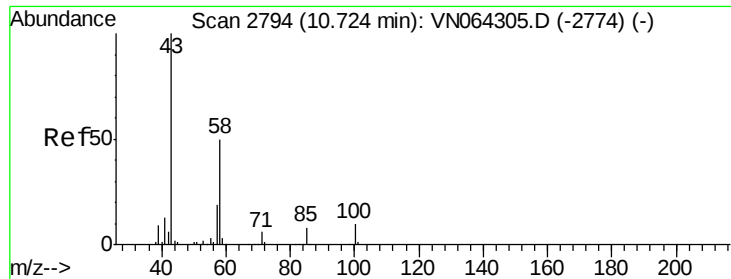
#58
4-Methyl-2-Pentanone
Concen: 560.416 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion: 43 Resp: 2536143
Ion Ratio Lower Upper
43 100
58 36.2 28.7 43.1
85 16.7 13.4 20.2



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

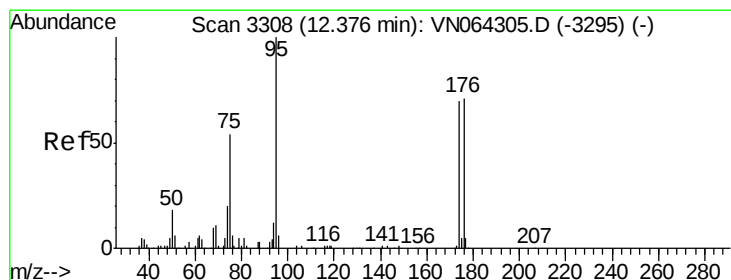
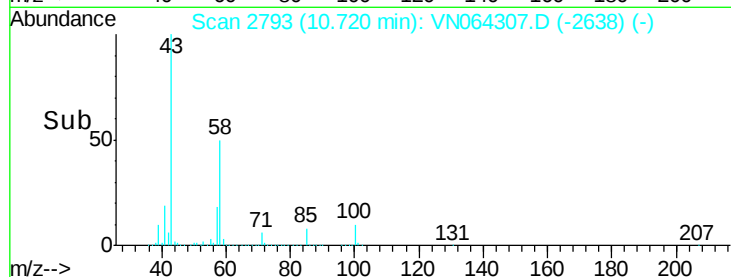
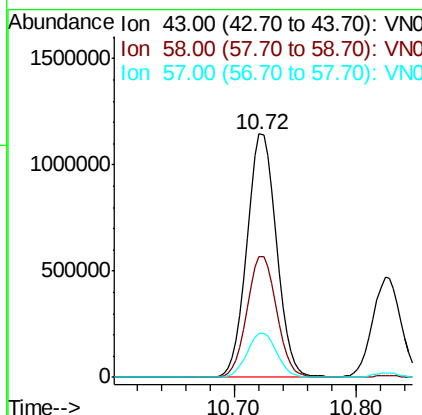
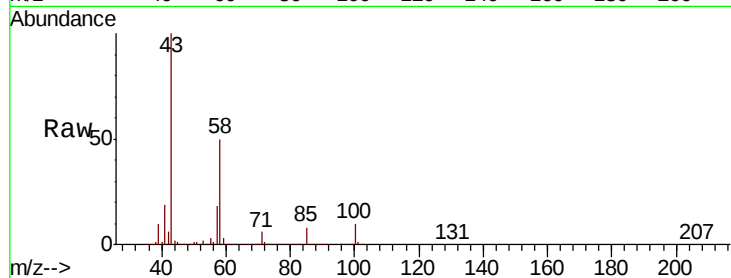




#59
2-Hexanone
Concen: 558.161 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

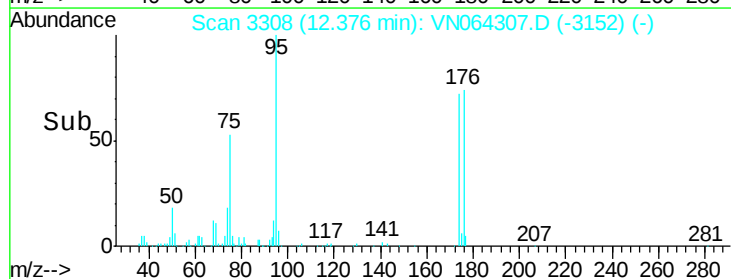
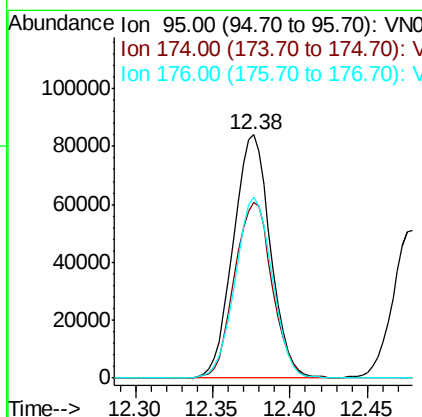
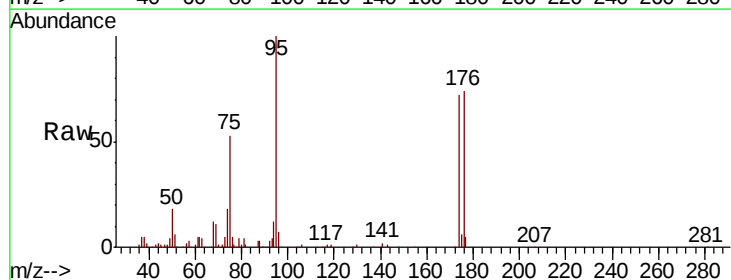
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

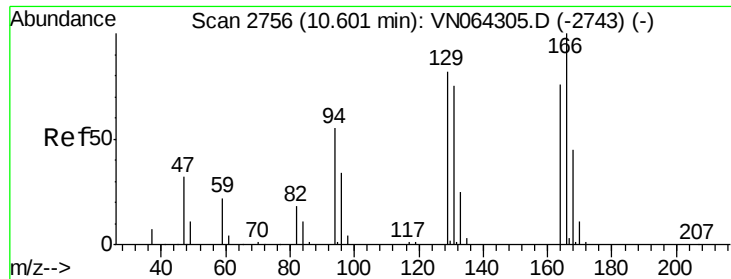
Tot Ion: 43 Resp: 1901311
Ion Ratio Lower Upper
43 100
58 50.0 39.4 59.2
57 18.4 14.8 22.2



#60
4-Bromofluorobenzene
Concen: 30.087 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion: 95 Resp: 140573
Ion Ratio Lower Upper
95 100
174 73.1 57.6 86.4
176 73.8 55.5 83.3





#61

Tetrachloroethene

Concen: 99.248 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 353159

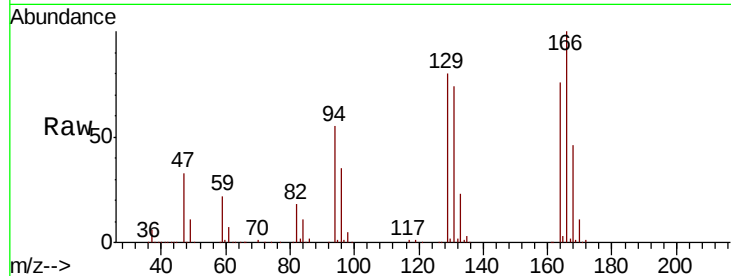
Ion Ratio Lower Upper

164 100

166 132.2 105.4 158.0

129 105.5 86.4 129.6

131 98.3 78.5 117.7

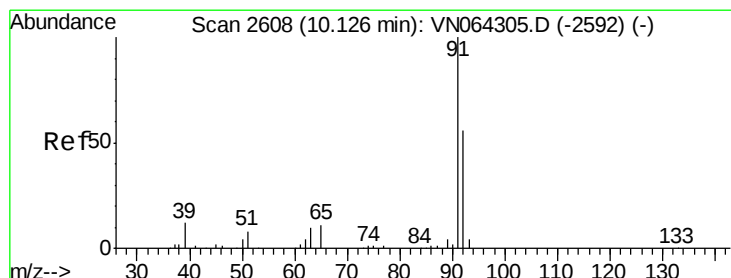
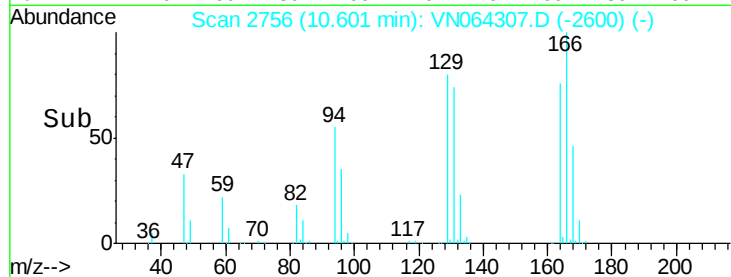
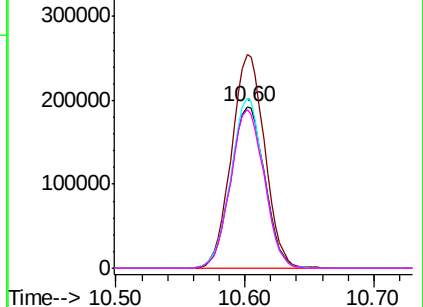


Abundance Ion 163.85 (163.55 to 164.55): V

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: 101.585 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064307.D

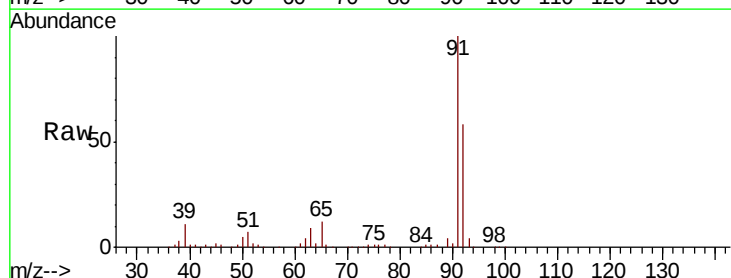
Acq: 26 Oct 2020 17:05

Tgt Ion: 91 Resp: 1491535

Ion Ratio Lower Upper

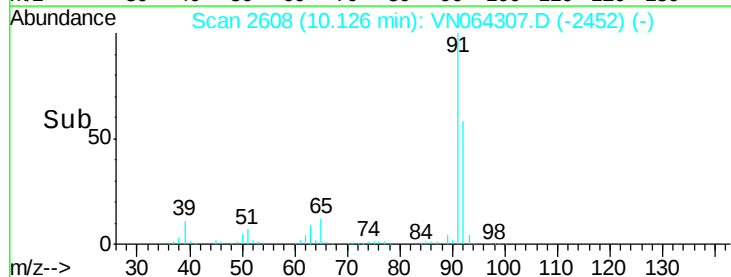
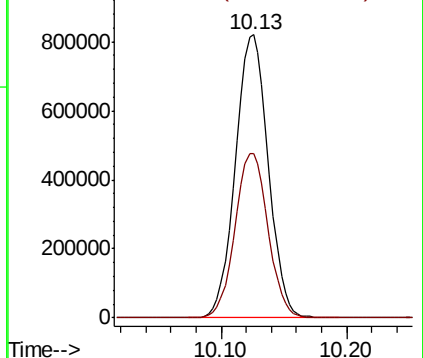
91 100

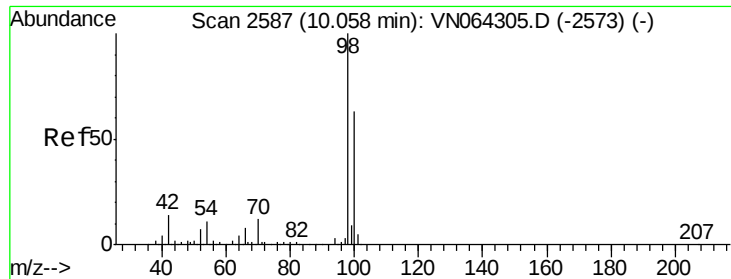
92 58.2 45.8 68.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.989 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

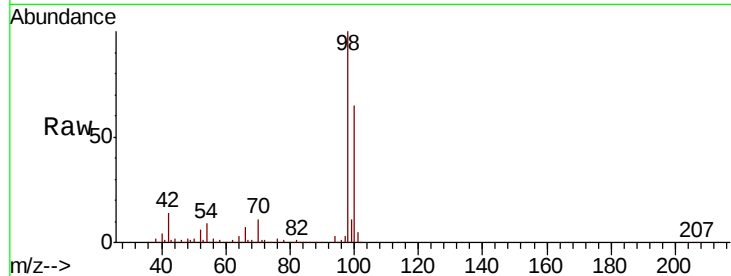
VSTDIC100

Tot Ion: 98 Resp: 351360

Ion Ratio Lower Upper

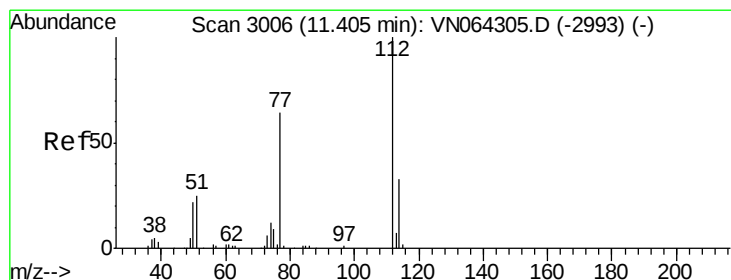
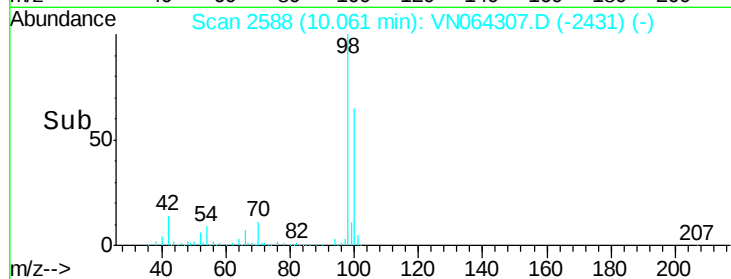
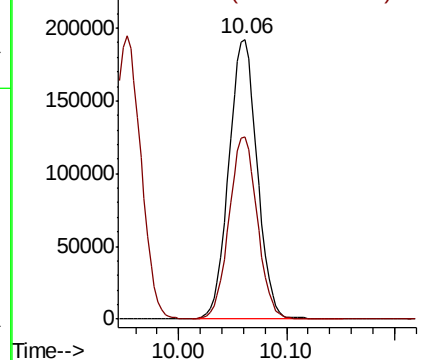
98 100

100 64.7 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 103.201 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064307.D

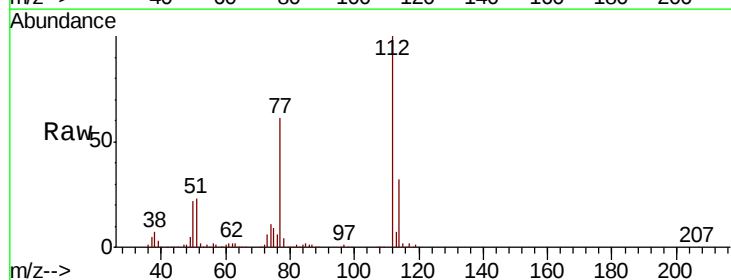
Acq: 26 Oct 2020 17:05

Tgt Ion: 112 Resp: 935455

Ion Ratio Lower Upper

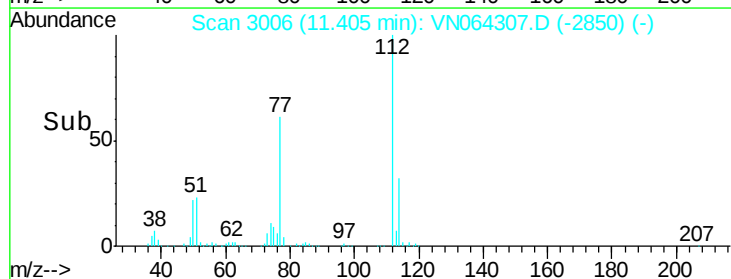
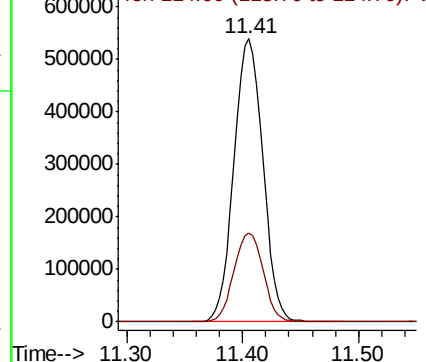
112 100

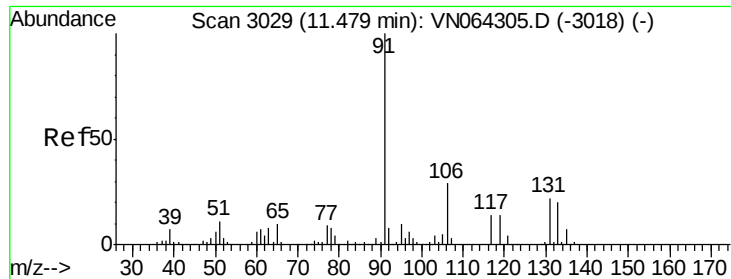
114 31.5 26.7 40.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

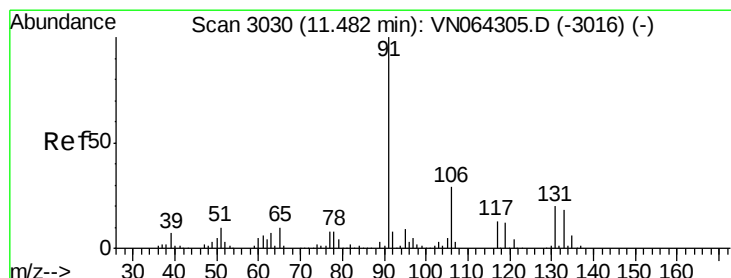
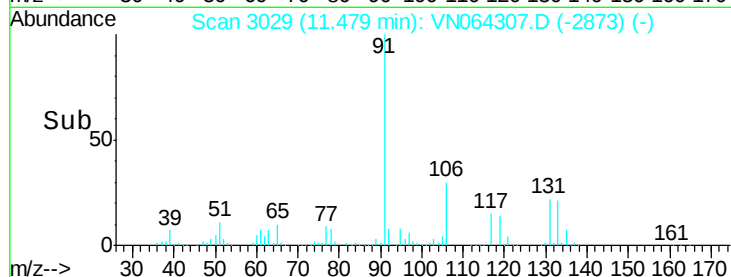
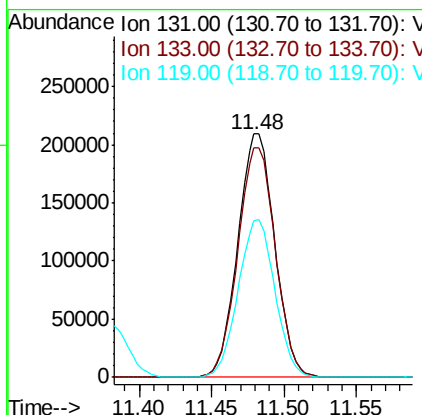
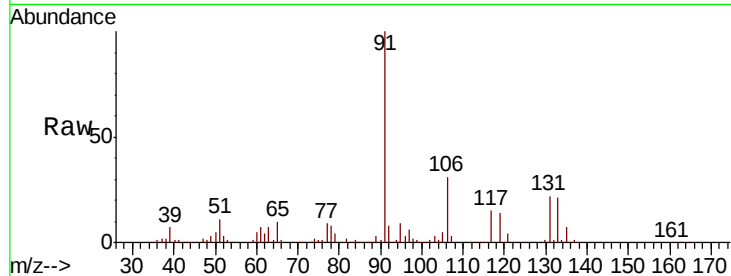




#65
 1,1,1,2-Tetrachloroethane
 Concen: 102.014 ug/l
 RT: 11.48 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

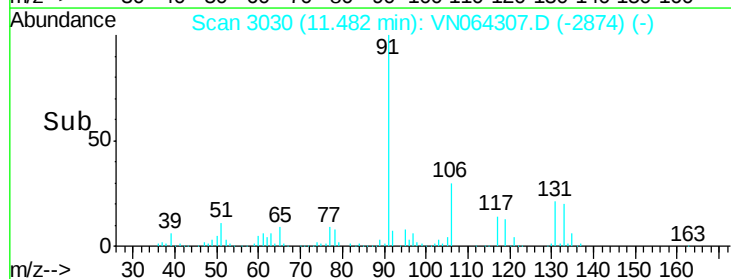
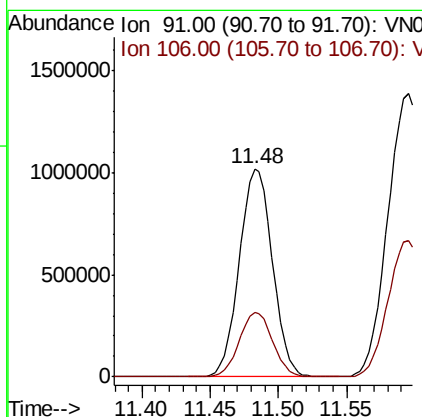
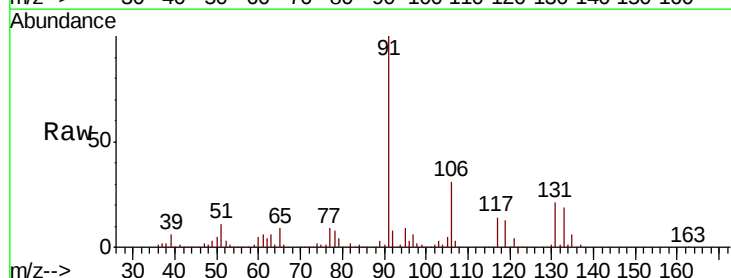
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

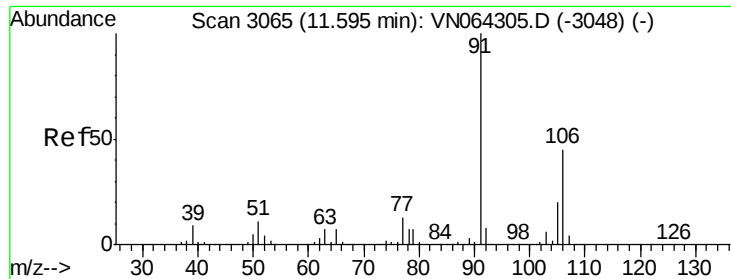
Tot Ion:131 Resp: 371192
 Ion Ratio Lower Upper
 131 100
 133 95.9 0.0 183.0
 119 64.4 0.0 121.6



#66
 Ethyl Benzene
 Concen: 101.629 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Tgt Ion: 91 Resp: 1717788
 Ion Ratio Lower Upper
 91 100
 106 30.9 22.8 34.2

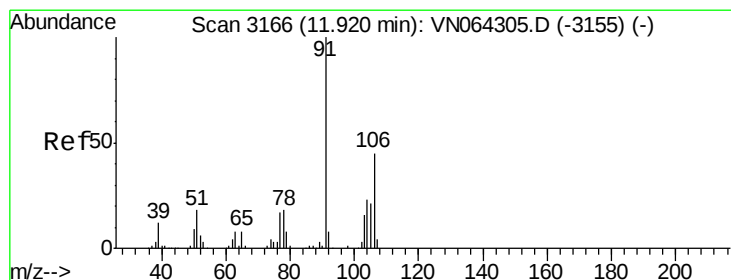
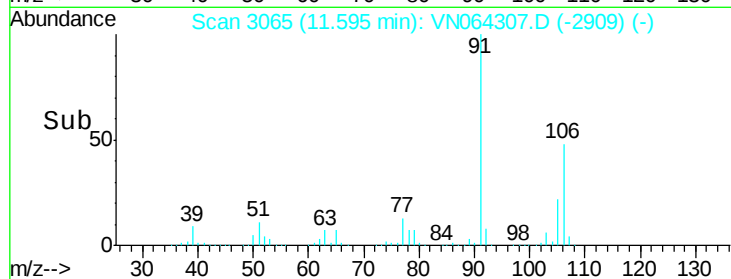
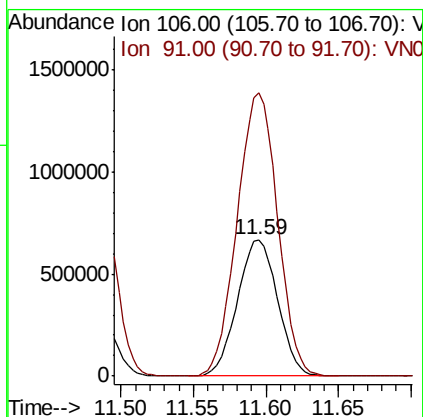
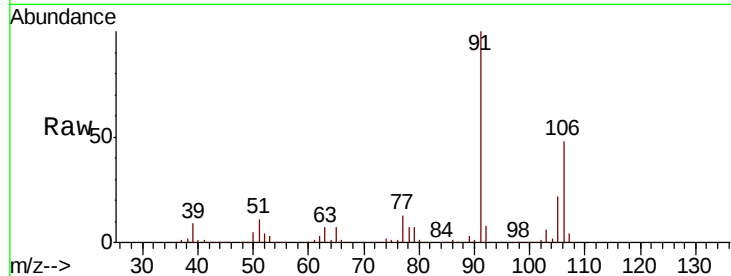




#67
m/p-Xylenes
Concen: 206.706 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

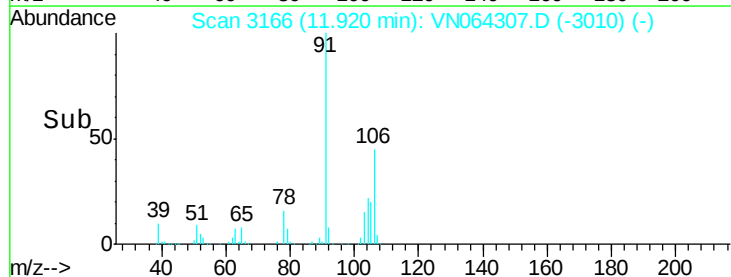
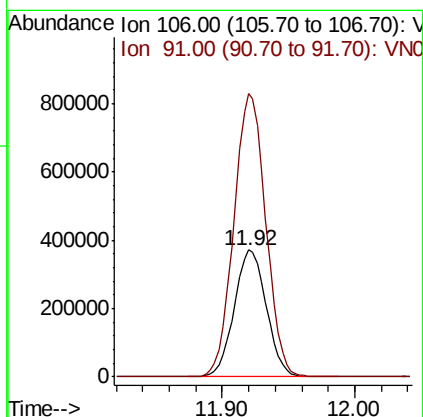
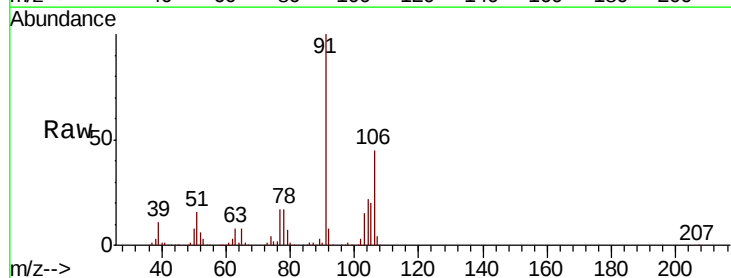
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

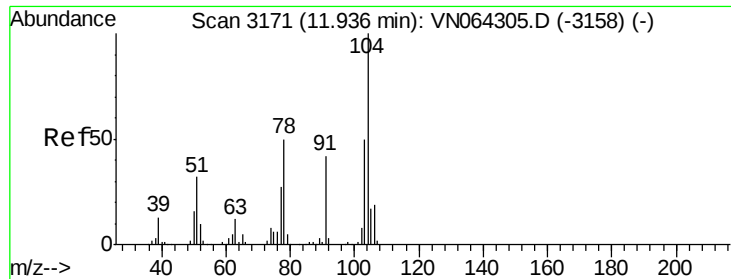
Tot Ion:106 Resp: 1285453
Ion Ratio Lower Upper
106 100
91 209.2 176.2 264.2



#68
o-Xylene
Concen: 103.283 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion:106 Resp: 624195
Ion Ratio Lower Upper
106 100
91 221.8 112.9 338.6

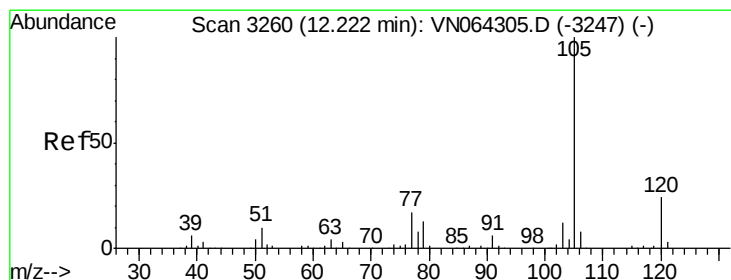
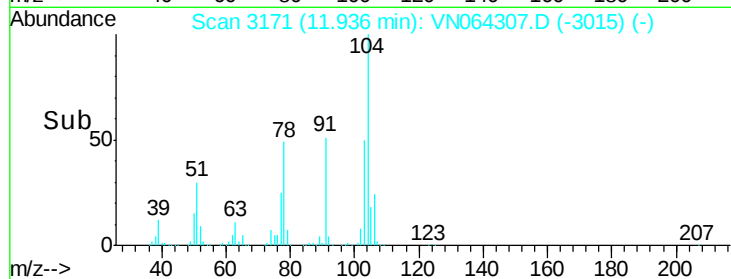
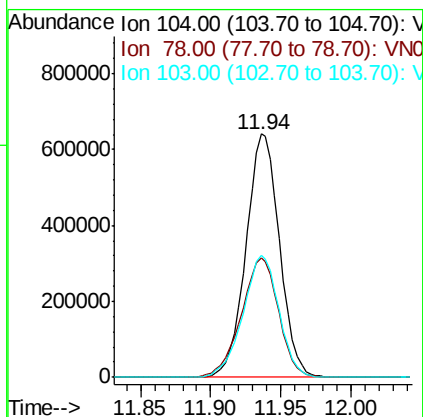
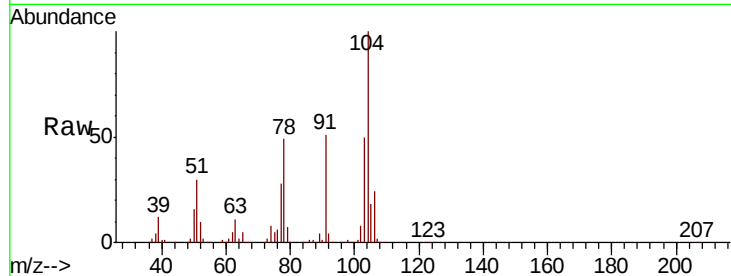




#69
Stvrene
Concen: 105.906 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

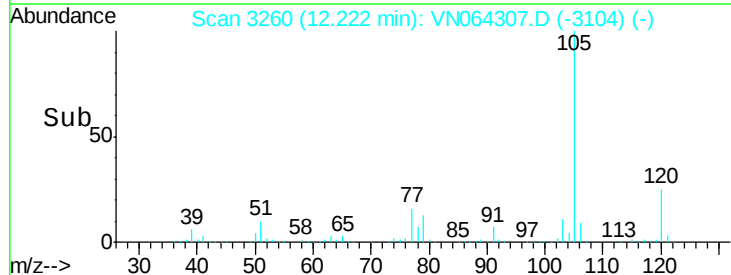
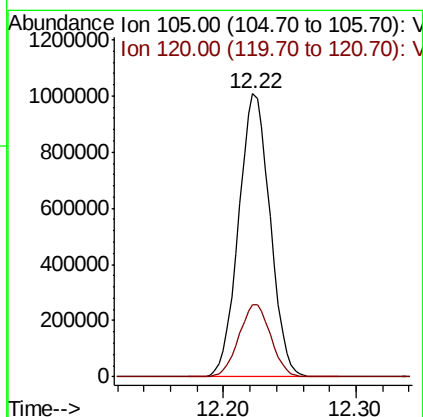
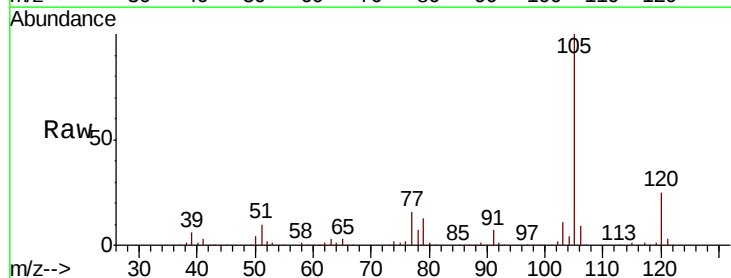
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

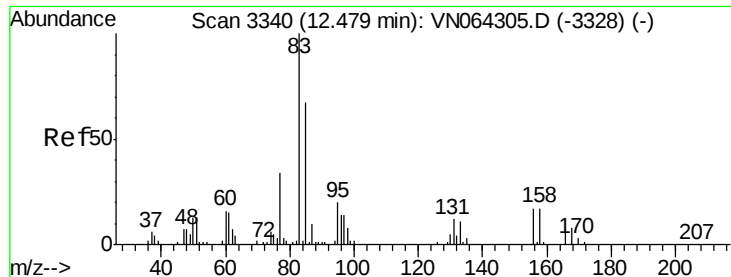
Tot Ion:104 Resp: 1069126
Ion Ratio Lower Upper
104 100
78 54.4 46.3 69.5
103 53.7 44.2 66.2



#70
Isopropylbenzene
Concen: 103.269 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion:105 Resp: 1656697
Ion Ratio Lower Upper
105 100
120 25.9 17.4 32.2

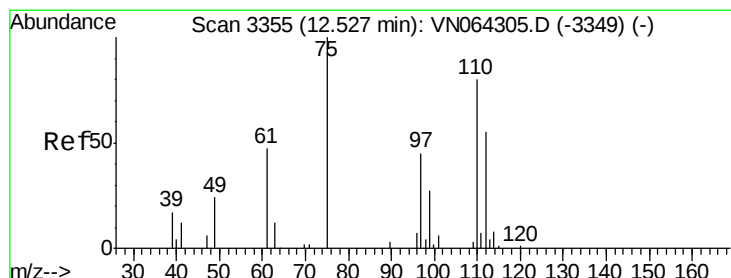
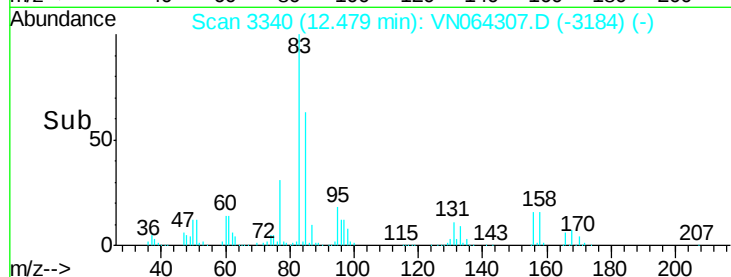
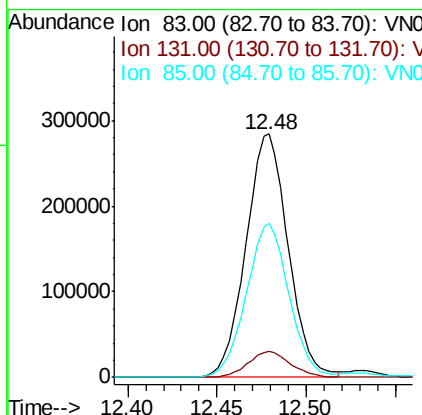
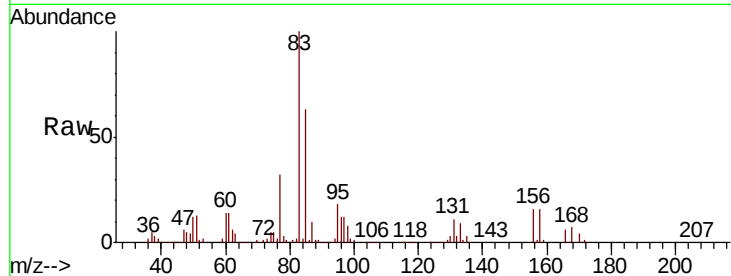




#71
 1,1,2,2-Tetrachloroethane
 Concen: 107.222 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

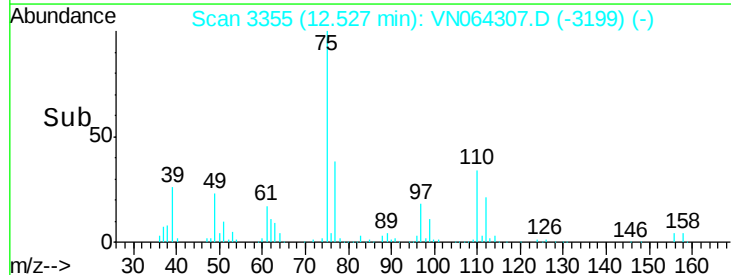
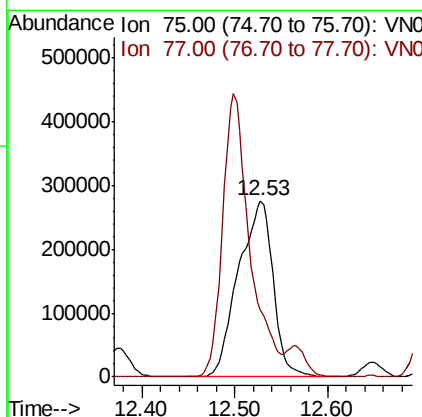
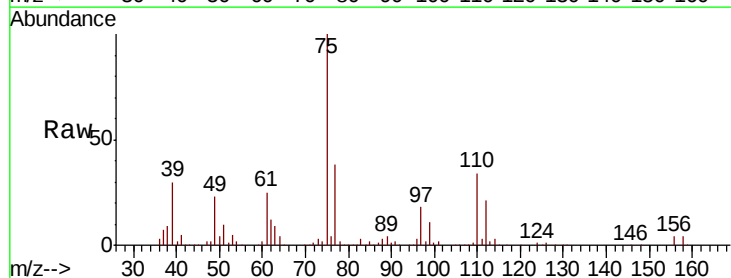
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

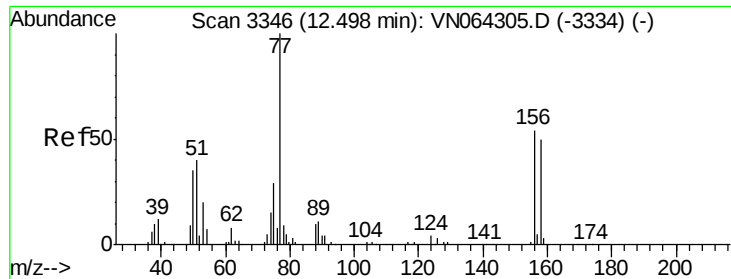
Tot Ion: 83 Resp: 471262
 Ion Ratio Lower Upper
 83 100
 131 10.9 6.0 18.0
 85 63.6 32.0 96.0



#72
 1,2,3-Trichloropropane
 Concen: 154.652 ug/l
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Tgt Ion: 75 Resp: 714949
 Ion Ratio Lower Upper
 75 100
 77 126.6 0.0 340.8





#73

Bromobenzene

Concen: 104.816 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

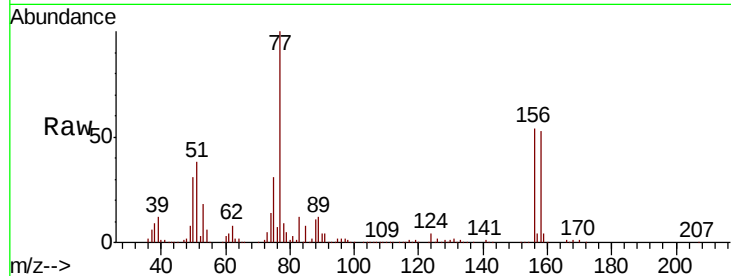
Tot Ion:156 Resp: 409678

Ion Ratio Lower Upper

156 100

77 221.0 0.0 449.2

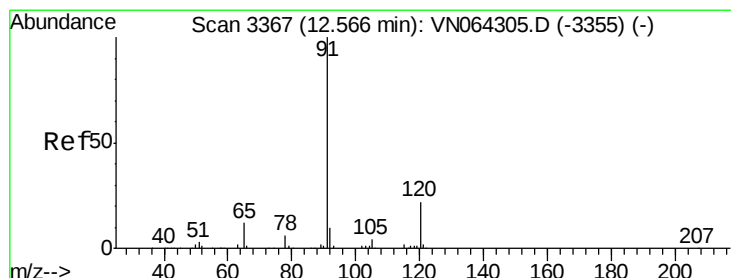
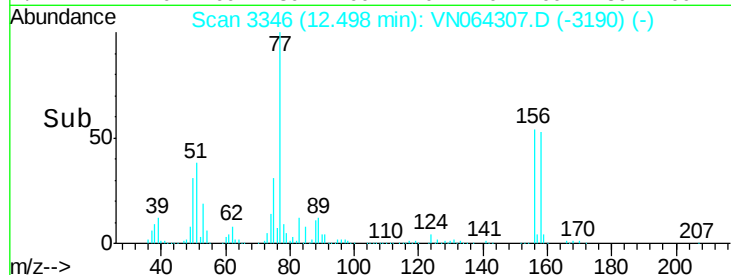
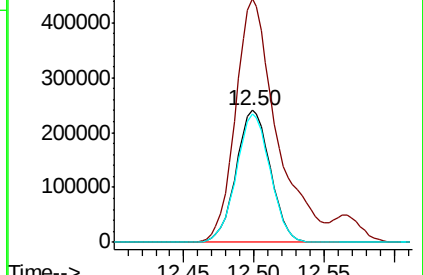
158 96.3 0.0 191.0



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: 103.875 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064307.D

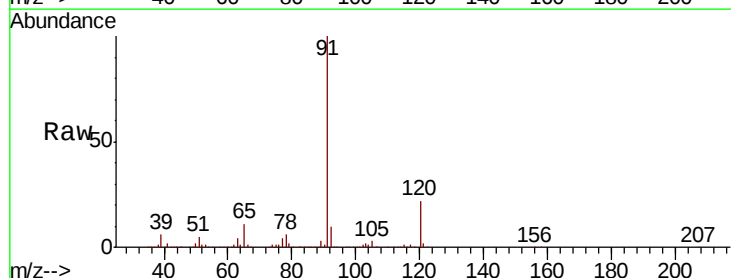
Acq: 26 Oct 2020 17:05

Tgt Ion: 91 Resp: 1902889

Ion Ratio Lower Upper

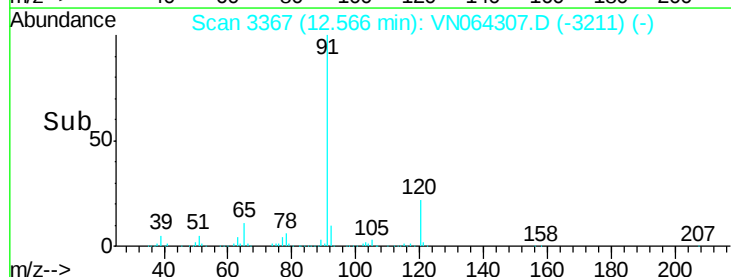
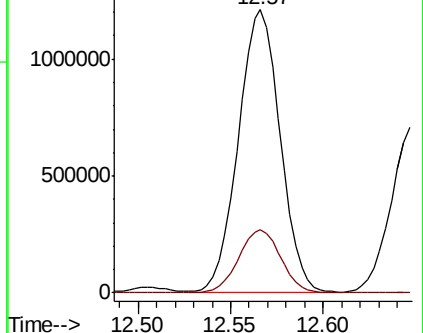
91 100

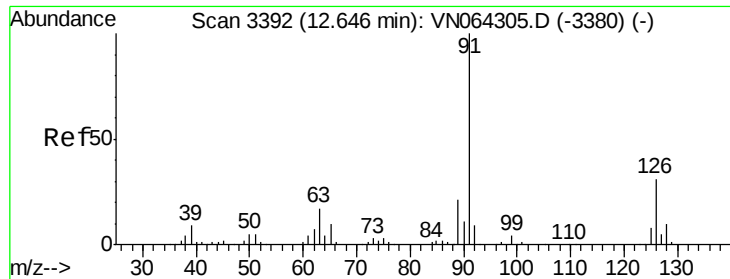
120 22.5 0.0 44.2



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 102.588 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

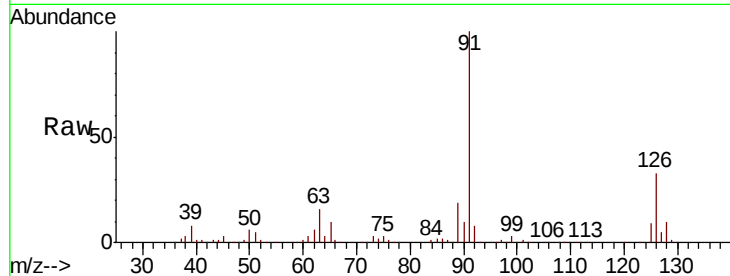
VSTDIC100

Tot Ion: 91 Resp: 1171436

Ion Ratio Lower Upper

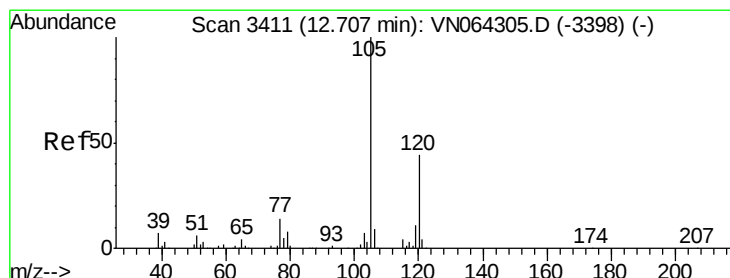
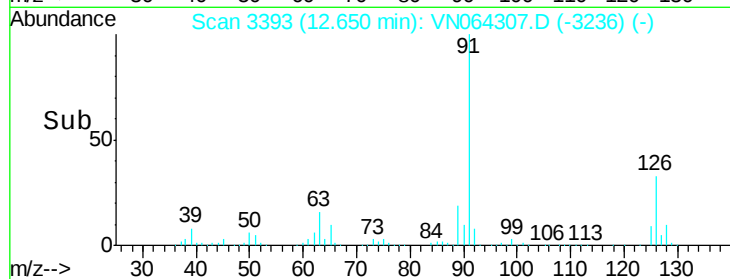
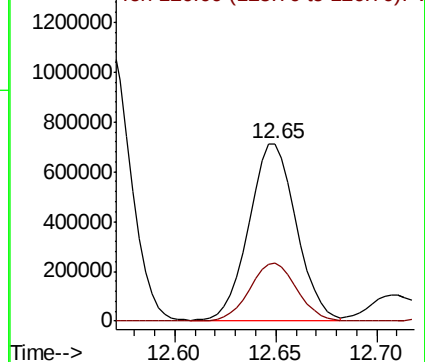
91 100

126 32.9 0.0 62.0



Abundance Ion 91.00 (90.70 to 91.70): VN064307.D (-3392) (-)

Ion 126.00 (125.70 to 126.70): VN064307.D (-3392) (-)



#76

1,3,5-Trimethylbenzene

Concen: 103.042 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064307.D

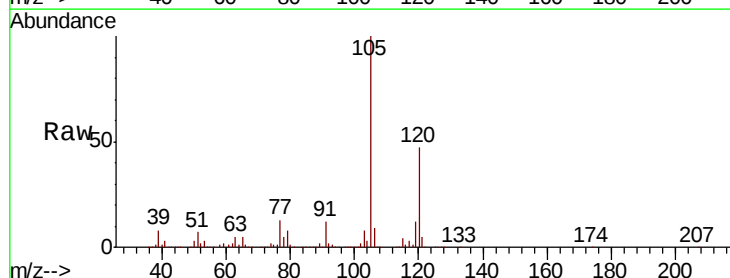
Acq: 26 Oct 2020 17:05

Tgt Ion:105 Resp: 1400047

Ion Ratio Lower Upper

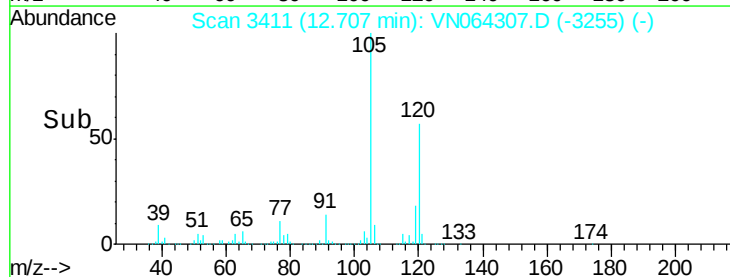
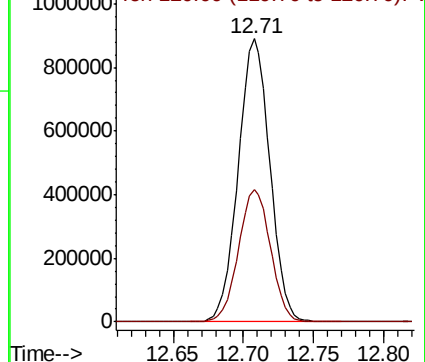
105 100

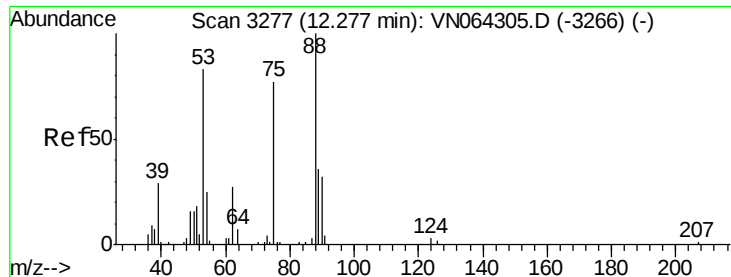
120 47.3 0.0 89.8



Abundance Ion 105.00 (104.70 to 105.70): VN064307.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064307.D (-3411) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 110.231 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

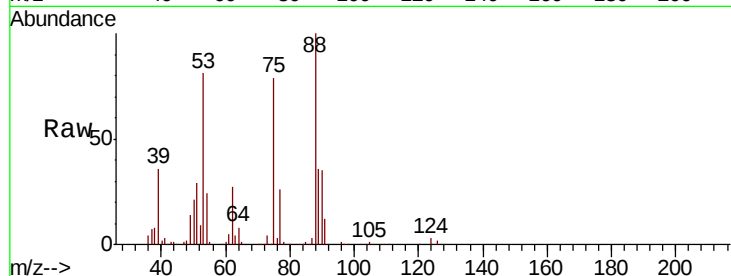
Tot Ion: 75 Resp: 194984

Ion Ratio Lower Upper

75 100

53 102.5 51.0 153.0

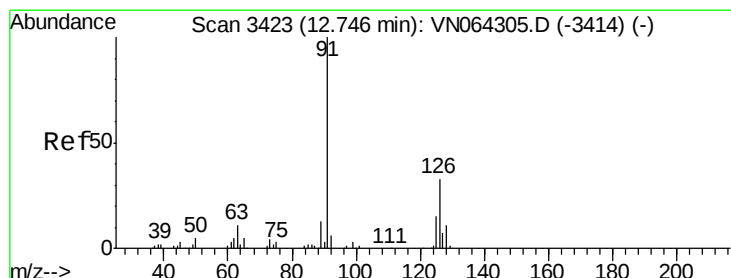
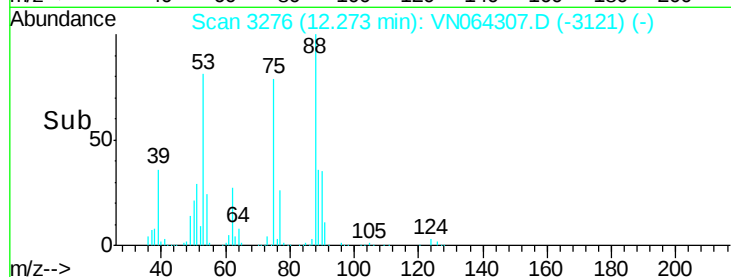
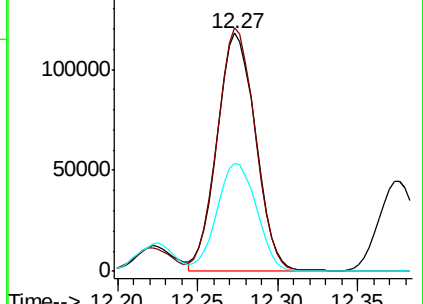
89 45.7 24.8 74.3



Abundance Ion 75.00 (74.70 to 75.70): VN064307.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN064307.D (-3266) (-)

Ion 89.00 (88.70 to 89.70): VN064307.D (-3266) (-)



#78

4-Chlorotoluene

Concen: 104.029 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064307.D

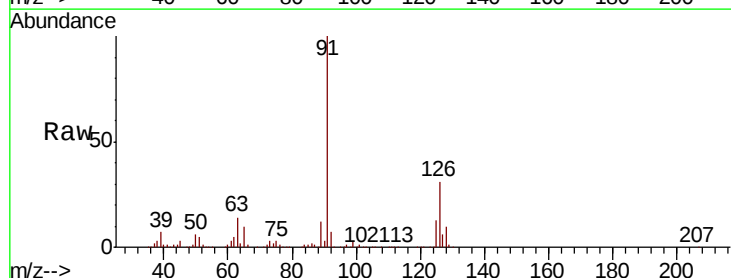
Acq: 26 Oct 2020 17:05

Tgt Ion: 91 Resp: 1231808

Ion Ratio Lower Upper

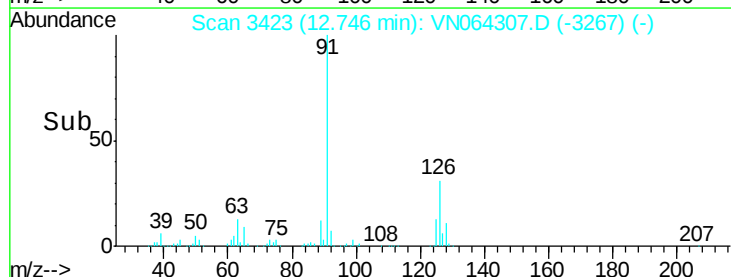
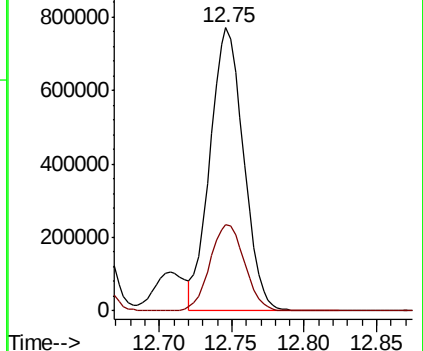
91 100

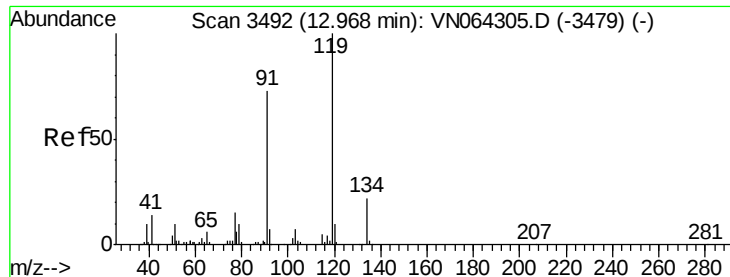
126 31.4 0.0 62.4



Abundance Ion 91.00 (90.70 to 91.70): VN064307.D (-3414) (-)

Ion 126.00 (125.70 to 126.70): VN064307.D (-3414) (-)

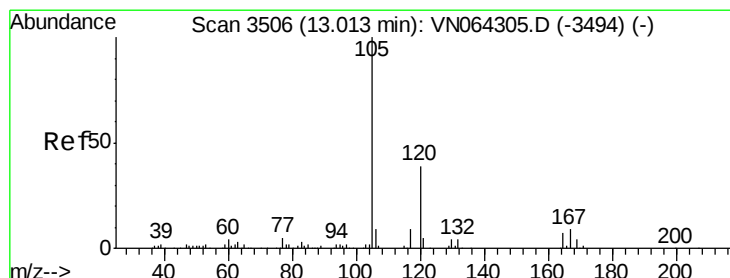
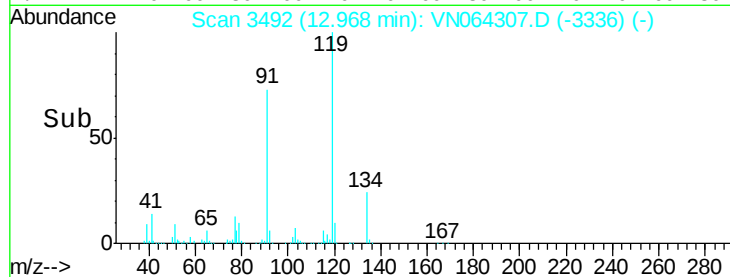
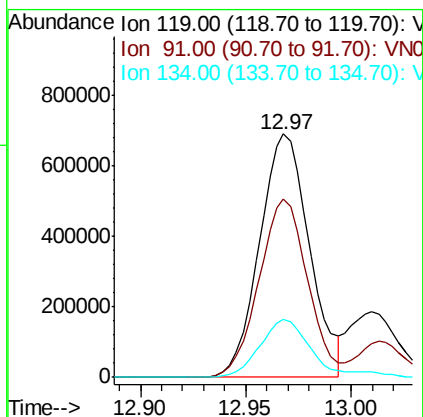
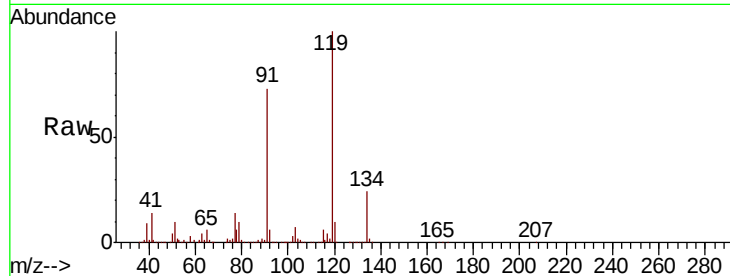




#79
tert-butylbenzene
Concen: 102.932 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

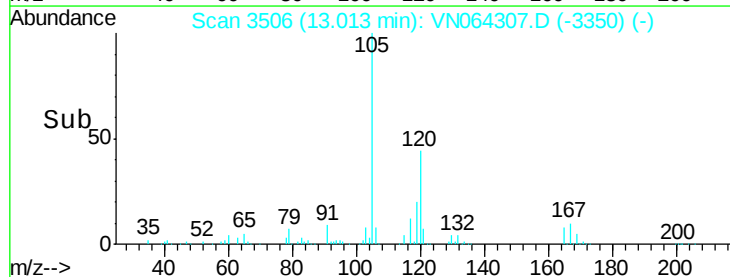
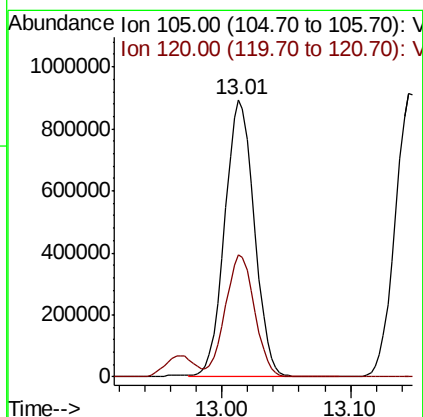
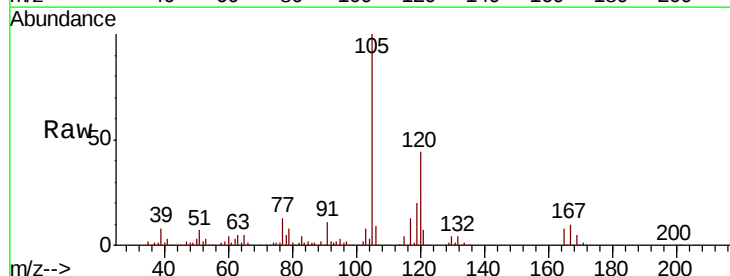
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

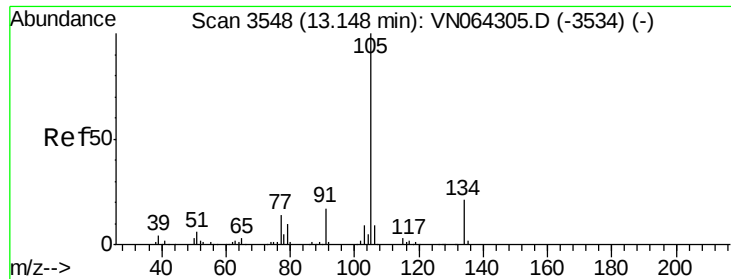
Tot Ion:119 Resp: 1138346
Ion Ratio Lower Upper
119 100
91 71.7 0.0 146.8
134 23.3 0.0 48.6



#80
1,2,4-Trimethylbenzene
Concen: 102.767 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064307.D
Acq: 26 Oct 2020 17:05

Tgt Ion:105 Resp: 1418360
Ion Ratio Lower Upper
105 100
120 43.5 0.0 87.0

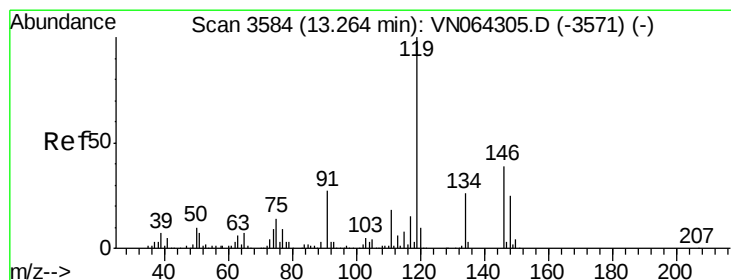
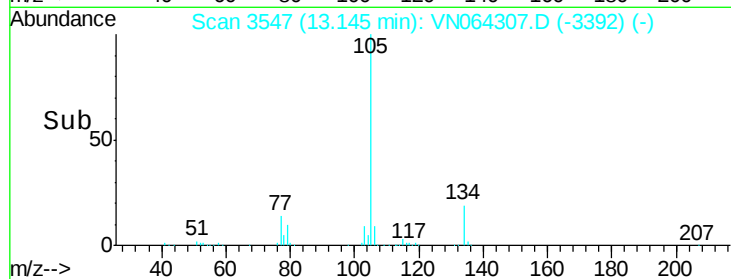
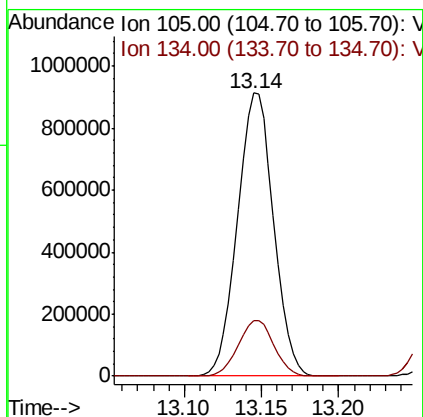
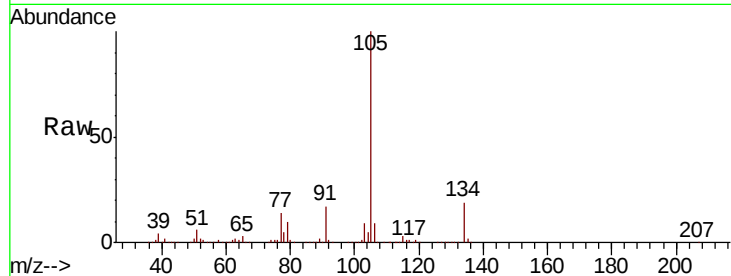




#81
 sec-Butylbenzene
 Concen: 102.966 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

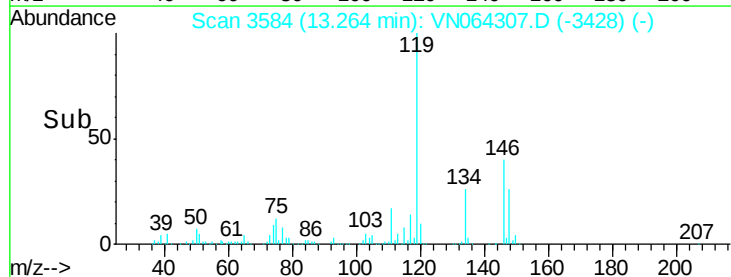
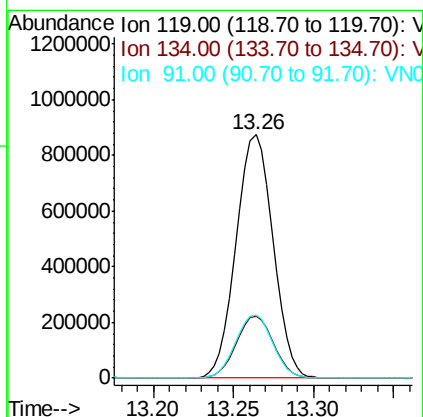
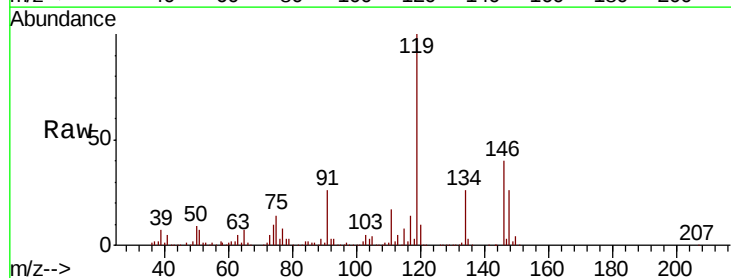
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

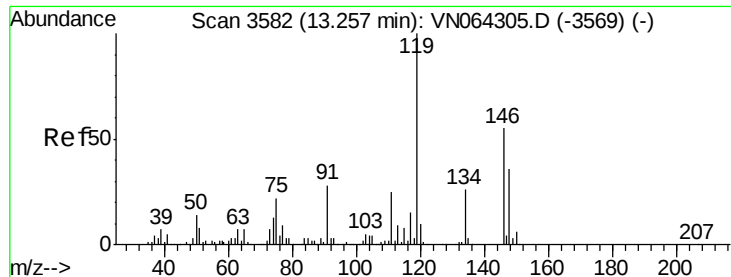
Tot Ion:105 Resp: 1476540
 Ion Ratio Lower Upper
 105 100
 134 19.6 0.0 38.4



#82
 p-Isopropyltoluene
 Concen: 104.563 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Tgt Ion:119 Resp: 1376138
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 52.2
 91 25.9 0.0 56.0

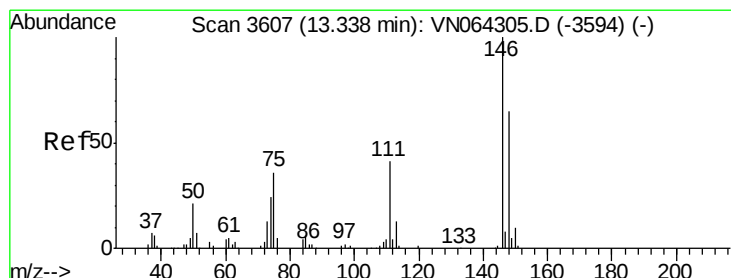
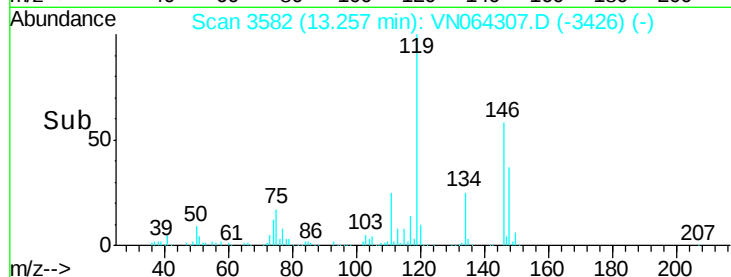
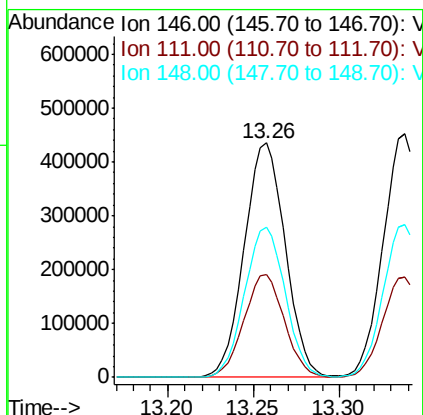
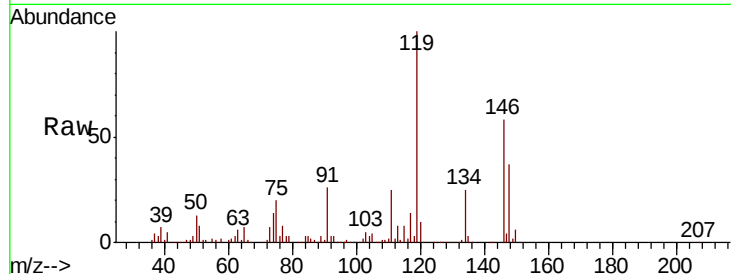




#83
 1,3-Dichlorobenzene
 Concen: 105.675 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

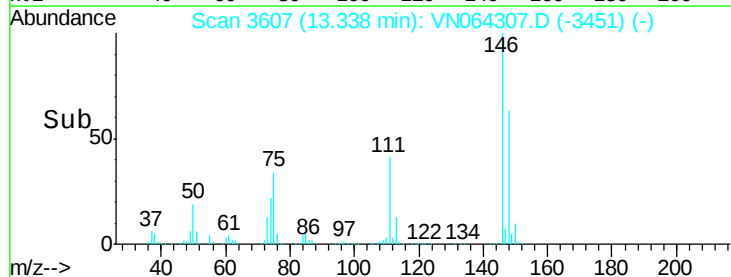
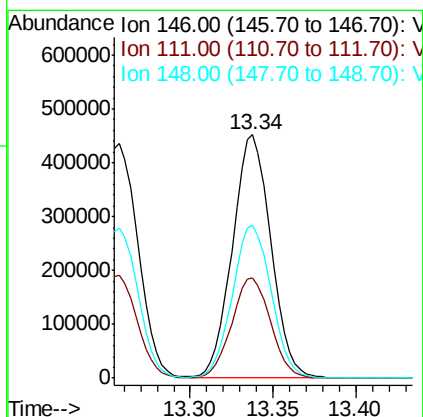
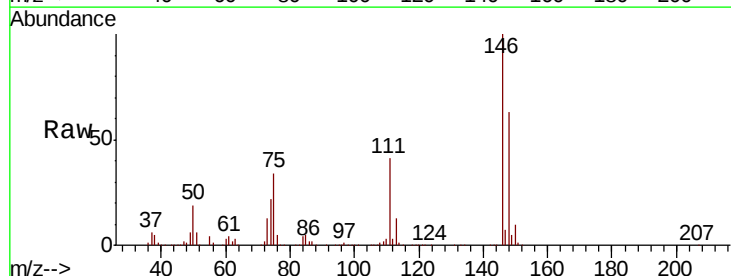
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

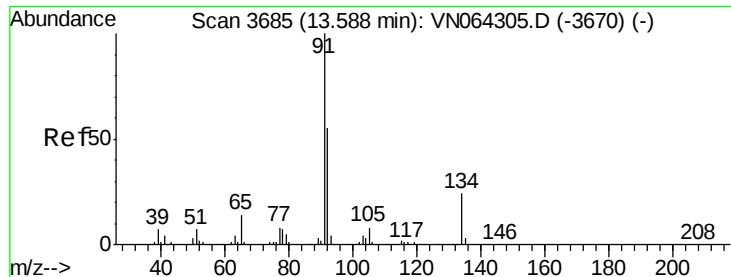
Tot Ion:146 Resp: 723754
 Ion Ratio Lower Upper
 146 100
 111 43.1 22.5 67.5
 148 63.4 32.5 97.5



#84
 1,4-Dichlorobenzene
 Concen: 104.345 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Tgt Ion:146 Resp: 725554
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.6 64.8
 148 63.9 32.4 97.0





#85

n-Butylbenzene

Concen: 102.818 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

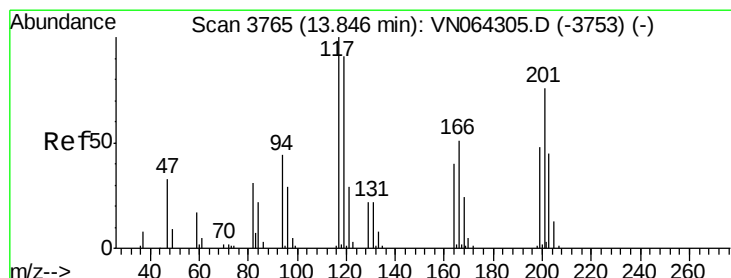
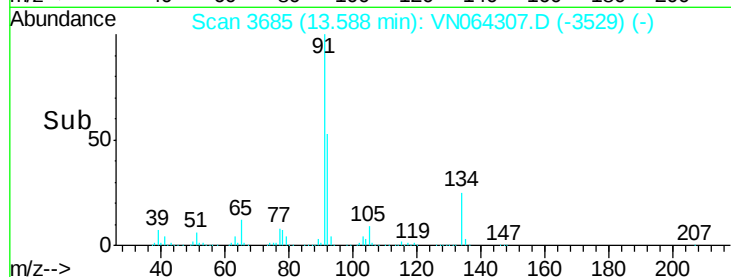
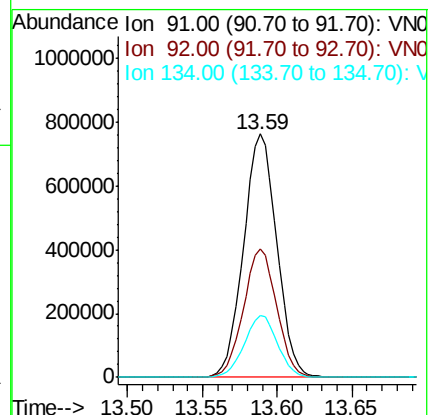
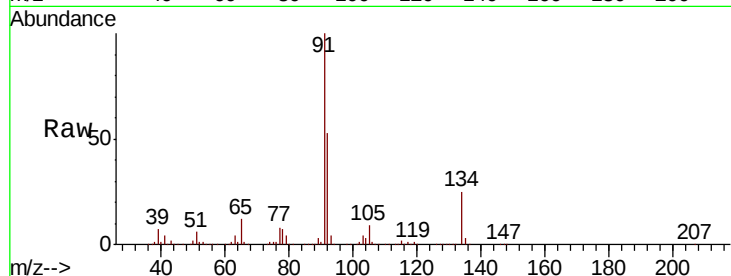
Tot Ion: 91 Resp: 1182841

Ion Ratio Lower Upper

91 100

92 52.6 0.0 106.0

134 25.3 0.0 46.4



#86

Hexachloroethane

Concen: 115.162 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN064307.D

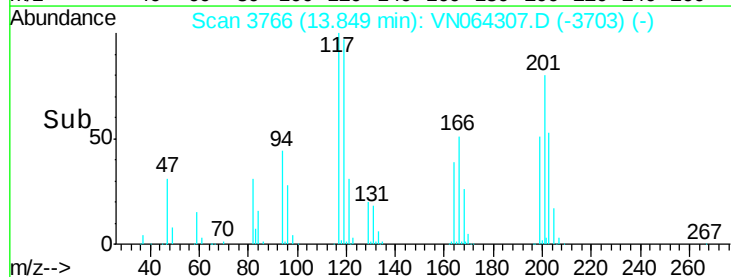
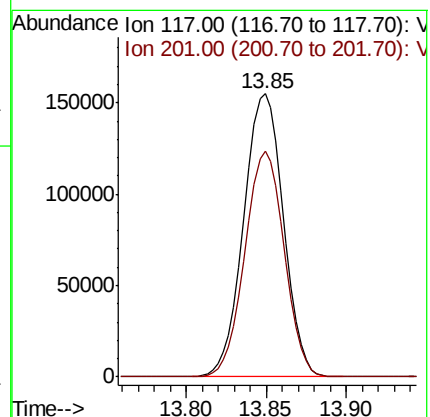
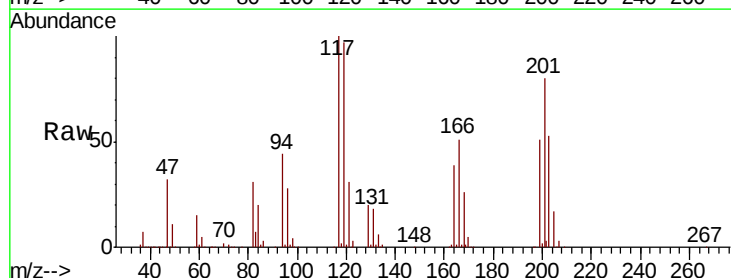
Acq: 26 Oct 2020 17:05

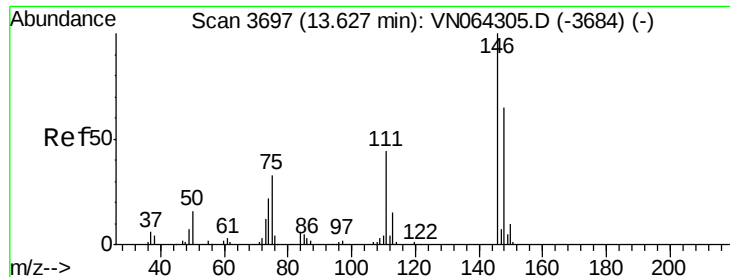
Tgt Ion: 117 Resp: 262400

Ion Ratio Lower Upper

117 100

201 78.9 39.6 118.7





#87

1,2-Dichlorobenzene

Concen: 105.443 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

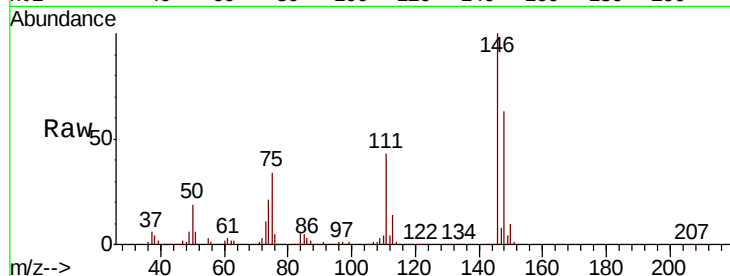
Tot Ion:146 Resp: 707476

Ion Ratio Lower Upper

146 100

111 44.4 22.3 66.8

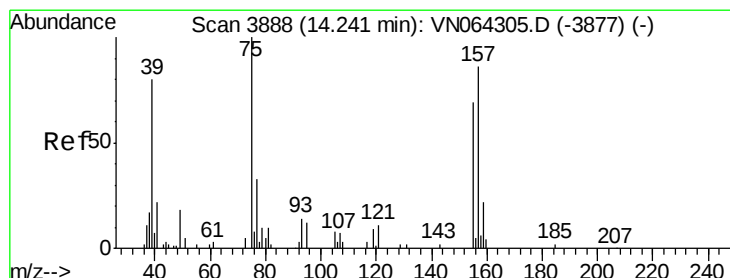
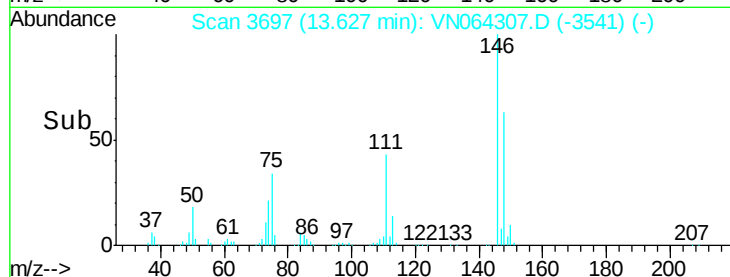
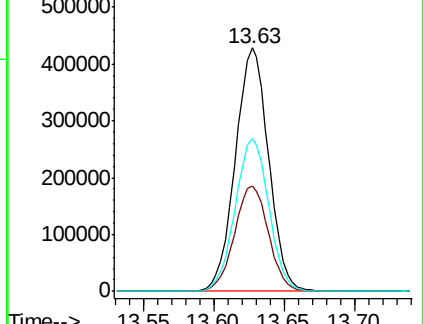
148 63.6 31.6 95.0



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: 114.682 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

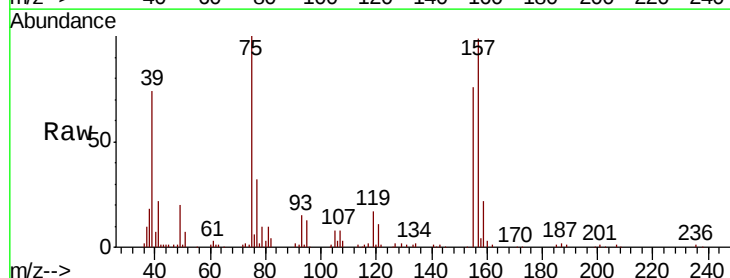
Tgt Ion: 75 Resp: 123254

Ion Ratio Lower Upper

75 100

155 73.7 55.8 83.8

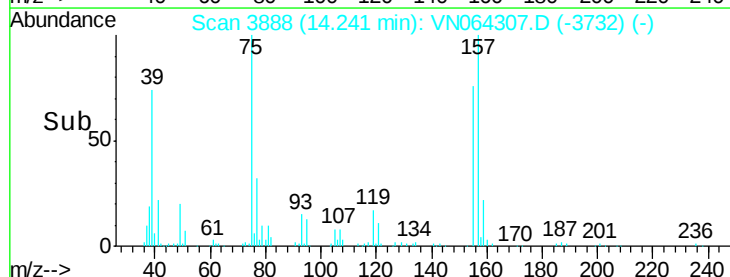
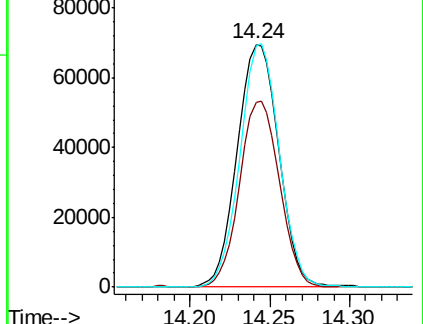
157 95.0 72.1 108.1

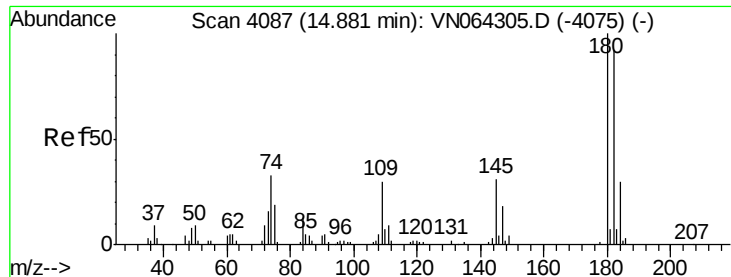


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

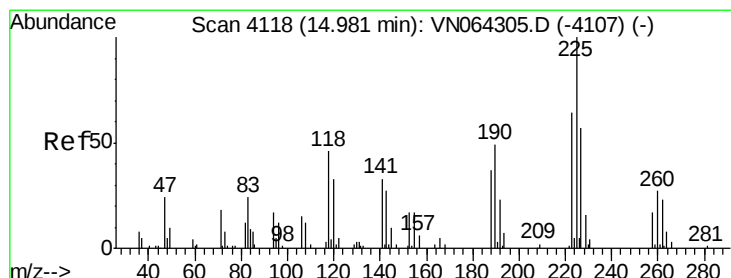
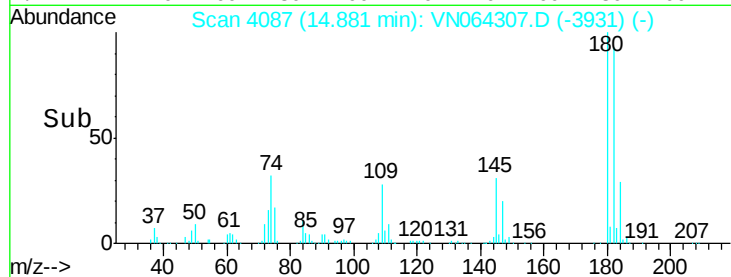
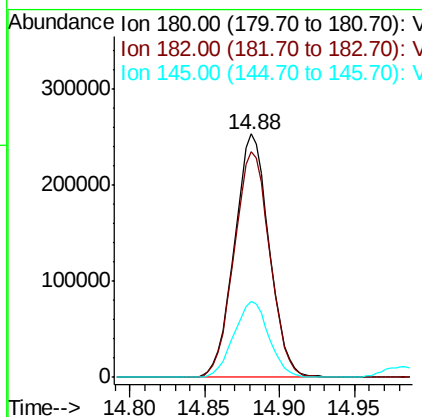
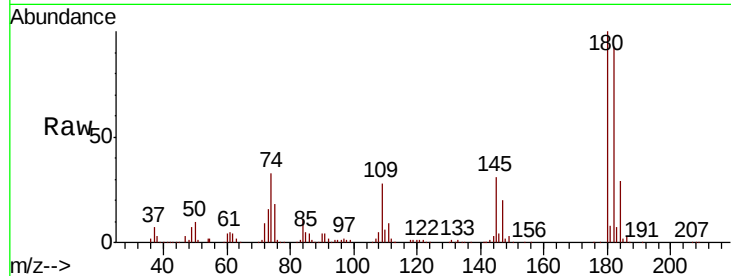




#89
 1,2,4-Trichlorobenzene
 Concen: 108.293 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

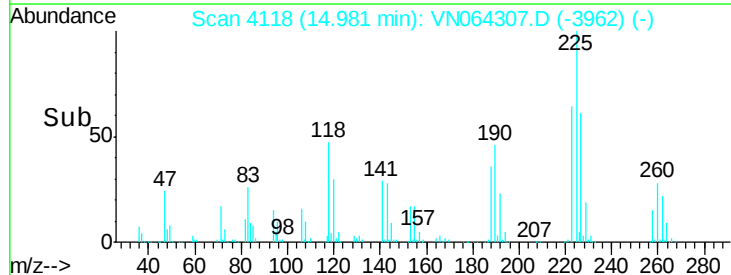
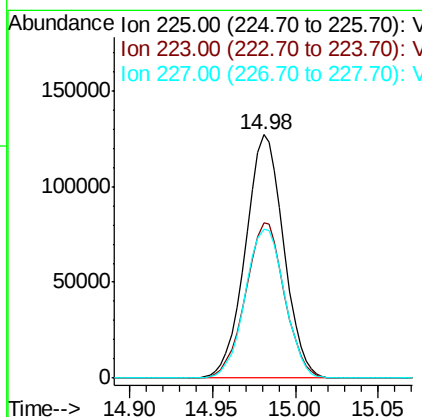
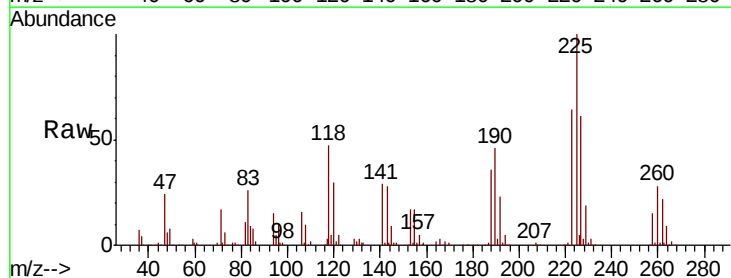
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

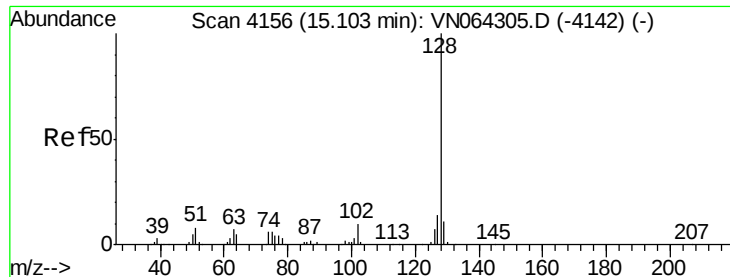
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.6	114.8
145	31.5	25.4	38.0



#90
 Hexachlorobutadiene
 Concen: 98.390 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064307.D
 Acq: 26 Oct 2020 17:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	0.0	122.0
227	63.5	0.0	118.0





#91

Naphthalene

Concen: 112.561 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Instrument :

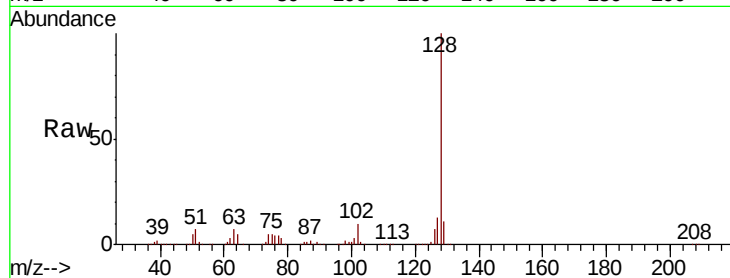
MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1264679

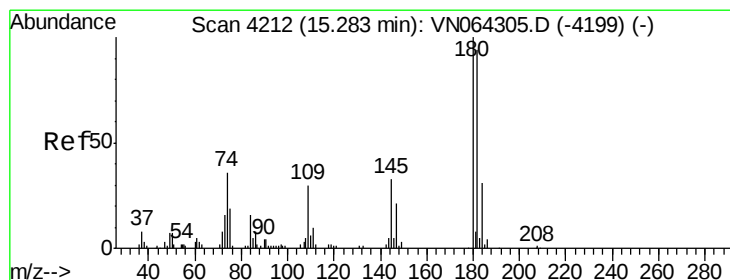
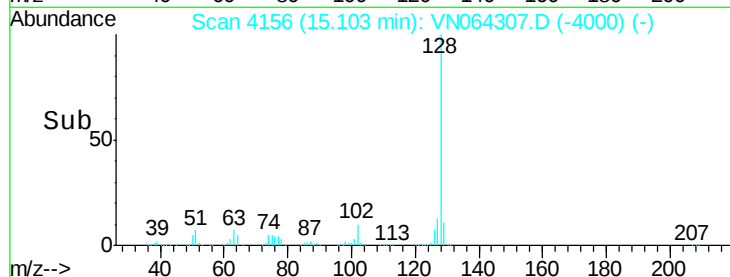
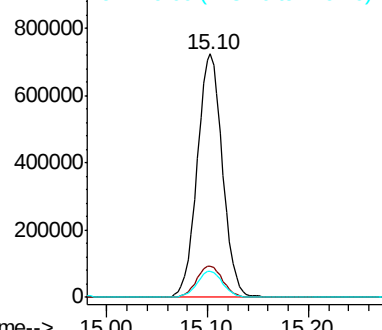
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	10.7	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 108.099 ug/l

RT: 15.28 min Scan# 4212

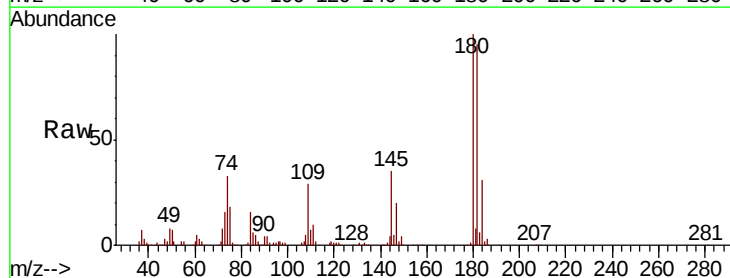
Delta R.T. 0.00 min

Lab File: VN064307.D

Acq: 26 Oct 2020 17:05

Tgt Ion:180 Resp: 393503

Ion	Ratio	Lower	Upper
180	100		
182	95.7	0.0	190.0
145	33.9	0.0	67.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

