

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111820\
 Data File : VN064700.D
 Acq On : 18 Nov 2020 11:39
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Nov 18 13:47:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 13:40:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	187987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	356095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	315643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	121526	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	2746	0.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.68%	
35) Dibromofluoromethane	7.54	113	1249	0.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.06%	
50) Toluene-d8	10.06	98	4761	0.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.02%	
62) 4-Bromofluorobenzene	12.37	95	2018	0.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.14%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	1994	0.833	ug/l 96
3) Chloromethane	2.04	50	2390	0.830	ug/l 95
4) Vinyl Chloride	2.17	62	2829	0.954	ug/l 99
5) Bromomethane	2.55	94	2395	1.243	ug/l 95
6) Chloroethane	2.68	64	1713	0.891	ug/l 98
7) Trichlorofluoromethane	2.99	101	4564	1.013	ug/l 93
8) Diethyl Ether	3.37	74	1747	1.113	ug/l 50
9) 1,1,2-Trichlorotrifluoroet	3.71	101	1176	0.556	ug/l # 79
10) Methyl Iodide	3.91	142	1179	0.479	ug/l # 96
11) Tert butyl alcohol	4.73	59	1074	3.093	ug/l # 70
12) 1,1-Dichloroethene	3.69	96	1886	0.948	ug/l # 78
13) Acrolein	3.56	56	518	2.644	ug/l # 71
14) Allyl chloride	4.27	41	3112	0.815	ug/l # 53
15) Acrylonitrile	4.93	53	4065	4.162	ug/l # 84
16) Acetone	3.78	43	3707	3.213	ug/l 91
17) Carbon Disulfide	4.01	76	7730	1.307	ug/l # 91
18) Methyl Acetate	4.29	43	2172	0.897	ug/l # 71
19) Methyl tert-butyl Ether	4.99	73	3634	0.510	ug/l 95
20) Methylene Chloride	4.50	84	2709	1.105	ug/l 93
21) trans-1,2-Dichloroethene	4.98	96	2143	0.952	ug/l # 64
22) Diisopropyl ether	5.89	45	2736	0.338	ug/l # 44
23) Vinyl Acetate	5.85	43	18818	2.869	ug/l 99
24) 1,1-Dichloroethane	5.80	63	3622	0.806	ug/l # 84
25) 2-Butanone	6.78	43	3522	2.331	ug/l 97
26) 2,2-Dichloropropane	6.76	77	2042	0.497	ug/l 88
27) cis-1,2-Dichloroethene	6.78	96	1362	0.524	ug/l 28
28) Bromochloromethane	7.14	49	685	0.302	ug/l # 78
29) Tetrahydrofuran	7.17	42	3528	3.723	ug/l # 68
30) Chloroform	7.33	83	3689	0.777	ug/l 97
31) Cyclohexane	7.63	56	7678	1.998	ug/l # 39
32) 1,1,1-Trichloroethane	7.51	97	1672	0.395	ug/l # 46
36) 1,1-Dichloropropene	7.75	75	2479	0.671	ug/l # 78
38) Carbon Tetrachloride	7.62	117	22882	5.751	ug/l # 15
39) Methylcyclohexane	9.04	83	1407	0.427	ug/l 93

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Quant Time: Nov 18 13:47:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 13:40:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.00	78	7656	0.706	ug/l	97
41) Methacrylonitrile	7.11	41	872	0.530	ug/l #	46
42) 1,2-Dichloroethane	8.08	62	2904	0.659	ug/l	87
43) Isopropyl Acetate	8.13	43	2899	0.486	ug/l #	77
44) Trichloroethene	8.80	130	2465	0.891	ug/l	98
45) 1,2-Dichloropropane	9.08	63	2126	0.737	ug/l #	78
46) Dibromomethane	9.18	93	1554	0.805	ug/l	96
47) Bromodichloromethane	9.37	83	3036	0.736	ug/l #	94
48) Methyl methacrylate	9.16	41	2374	0.790	ug/l #	66
49) 1,4-Dioxane	9.16	88	677	17.349	ug/l #	83
51) 4-Methyl-2-Pentanone	9.95	43	9938	2.871	ug/l	94
52) Toluene	10.12	92	3922	0.592	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	3186	0.732	ug/l #	77
54) cis-1,3-Dichloropropene	9.81	75	3070	0.663	ug/l	94
55) 1,1,2-Trichloroethane	10.53	97	1551	0.598	ug/l #	78
56) Ethyl methacrylate	10.40	69	1770	0.473	ug/l #	81
57) 1,3-Dichloropropane	10.68	76	3179	0.704	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	9691	5.138	ug/l	95
59) 2-Hexanone	10.72	43	6994	2.796	ug/l	93
60) Dibromochloromethane	10.87	129	1720	0.592	ug/l	87
61) 1,2-Dibromoethane	10.97	107	1722	0.653	ug/l #	54
64) Tetrachloroethene	10.60	164	2127	0.861	ug/l #	79
65) Chlorobenzene	11.40	112	5021	0.735	ug/l #	70
66) 1,1,1,2-Tetrachloroethane	11.47	131	1497	0.589	ug/l #	56
67) Ethyl Benzene	11.48	91	7964	0.660	ug/l	93
68) m/p-Xylenes	11.59	106	5310	1.209	ug/l	98
69) o-Xylene	11.92	106	2930	0.691	ug/l	71
70) Styrene	11.94	104	4823	0.675	ug/l	97
71) Bromoform	12.10	173	975	0.570	ug/l #	67
73) Isopropylbenzene	12.22	105	6001	0.638	ug/l	97
74) N-amyl acetate	12.05	43	2653	0.646	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	2233	0.779	ug/l	92
76) 1,2,3-Trichloropropane	12.53	75	3196	1.113	ug/l #	100
77) Bromobenzene	12.50	156	2093	0.905	ug/l	85
78) n-propylbenzene	12.56	91	7671	0.714	ug/l	99
79) 2-Chlorotoluene	12.65	91	5304	0.775	ug/l	89
80) 1,3,5-Trimethylbenzene	12.70	105	4638	0.595	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.27	75	611	0.598	ug/l #	76
82) 4-Chlorotoluene	12.74	91	5174	0.722	ug/l	95
83) tert-Butylbenzene	12.96	119	4444	0.729	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	5018	0.642	ug/l	93
85) sec-Butylbenzene	13.15	105	6169	0.798	ug/l	95
86) p-Isopropyltoluene	13.26	119	5178	0.743	ug/l	94
87) 1,3-Dichlorobenzene	13.26	146	3314	0.826	ug/l	90
88) 1,4-Dichlorobenzene	13.26	146	3314	0.799	ug/l	90
89) n-Butylbenzene	13.59	91	6965	1.154	ug/l	97
90) Hexachloroethane	13.84	117	946	0.719	ug/l	75
91) 1,2-Dichlorobenzene	13.62	146	3650	0.949	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.24	75	750	1.283	ug/l #	61
93) 1,2,4-Trichlorobenzene	14.88	180	3035	1.883	ug/l	91

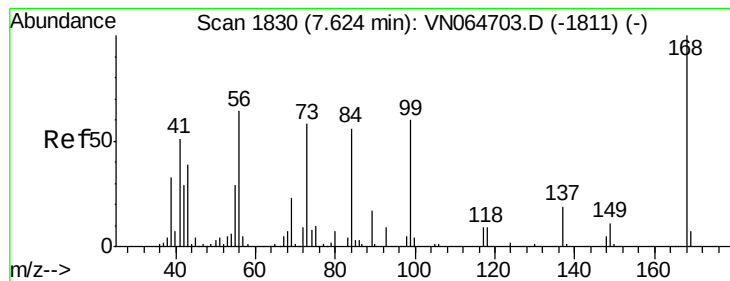
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111820\
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ClientSampleId :
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.98	225	2784	3.499	ug/l	98
95) Naphthalene	15.10	128	9477	1.784	ug/l	97
96) 1,2,3-Trichlorobenzene	15.28	180	3218	2.000	ug/l	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

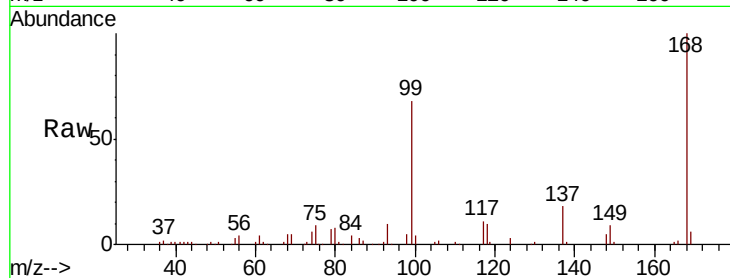
VSTDIC001

Tot Ion:168 Resp: 187987

Ion Ratio Lower Upper

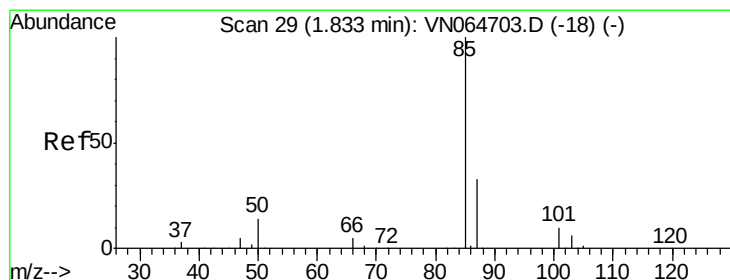
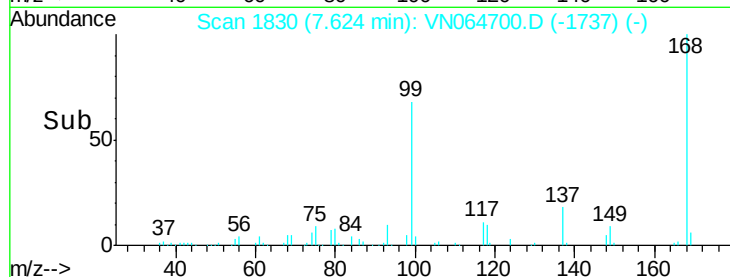
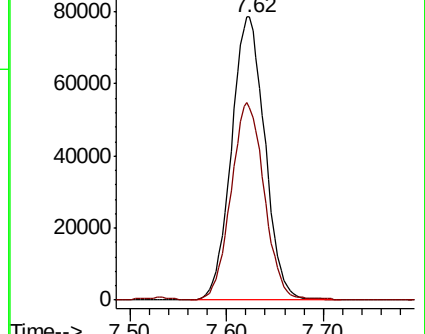
168 100

99 67.9 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 0.833 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064700.D

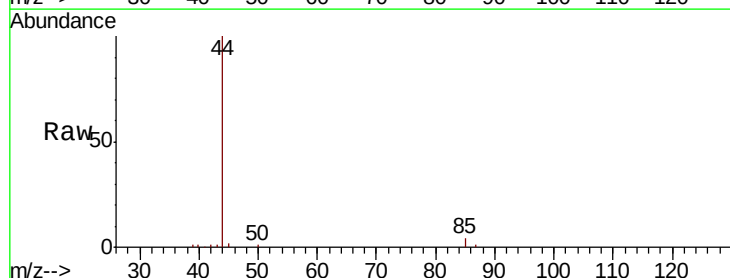
Acq: 18 Nov 2020 11:39

Tgt Ion: 85 Resp: 1994

Ion Ratio Lower Upper

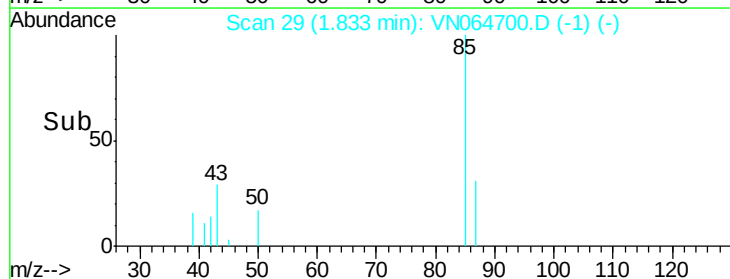
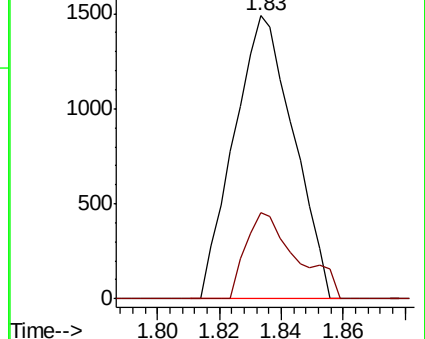
85 100

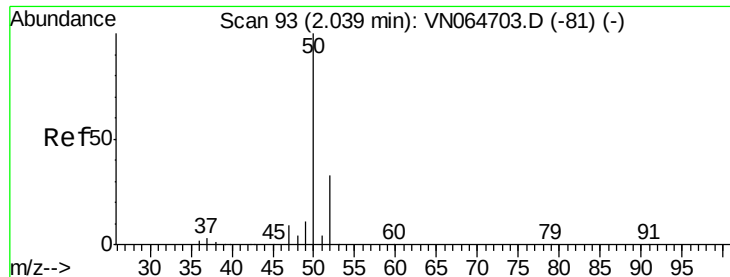
87 30.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 0.830 ug/l

RT: 2.04 min Scan# 94

Delta R.T. 0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

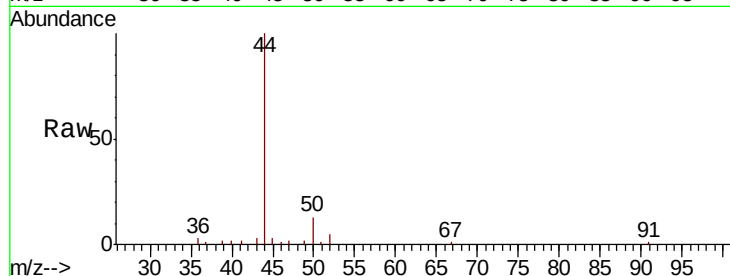
VSTDIC001

Tot Ion: 50 Resp: 2390

Ion Ratio Lower Upper

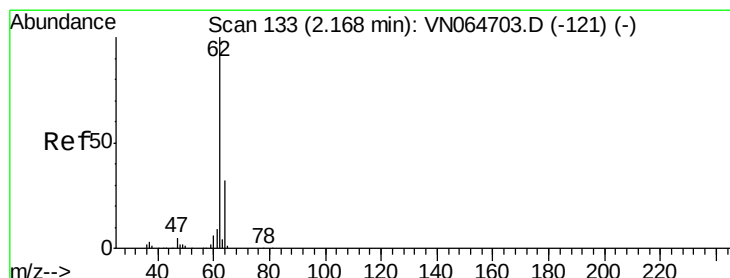
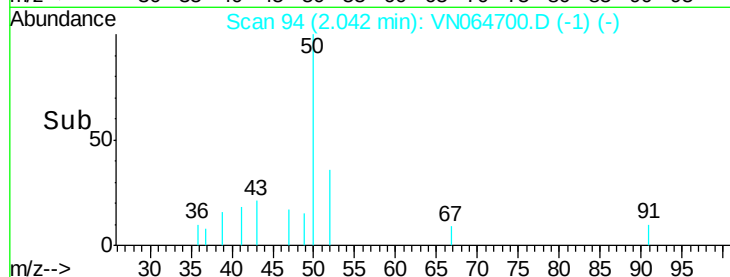
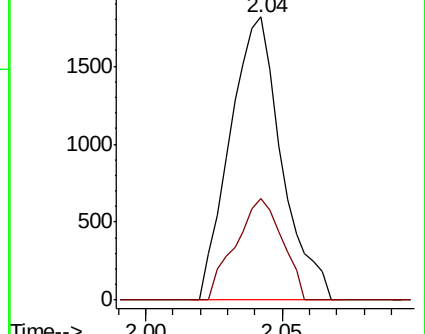
50 100

52 36.0 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 0.954 ug/l

RT: 2.17 min Scan# 134

Delta R.T. 0.00 min

Lab File: VN064700.D

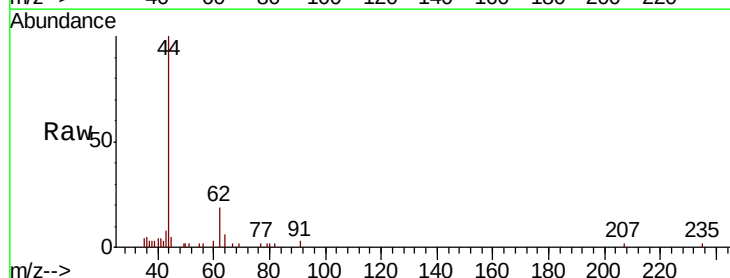
Acq: 18 Nov 2020 11:39

Tgt Ion: 62 Resp: 2829

Ion Ratio Lower Upper

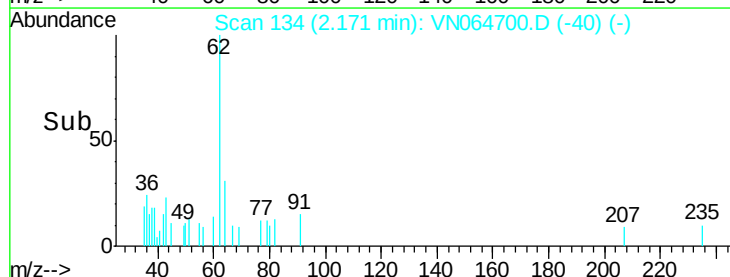
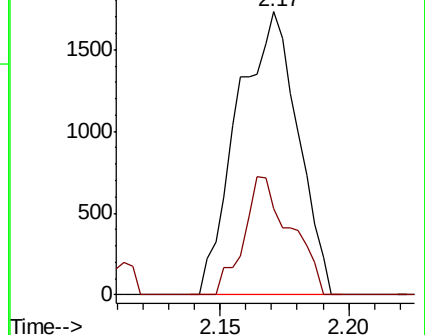
62 100

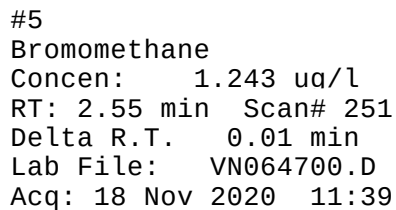
64 30.7 25.2 37.8



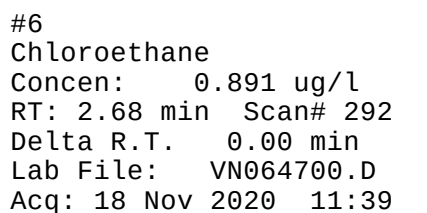
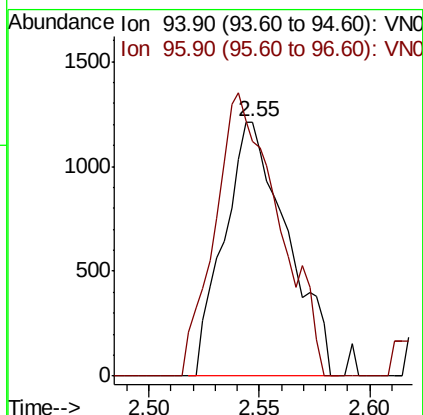
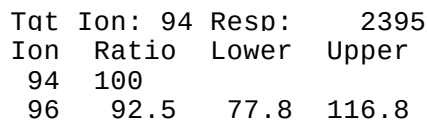
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

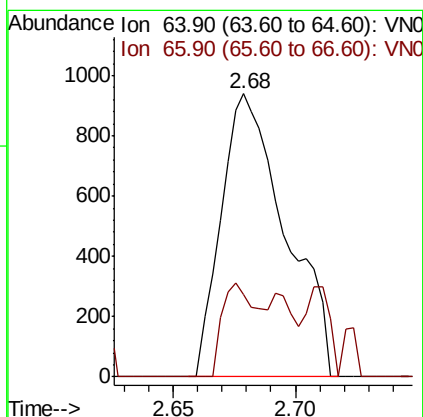


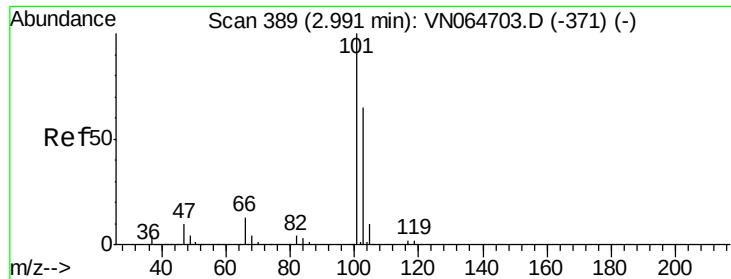


Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt	Ion: 64	Resp:	1713
Ion	Ratio	Lower	Upper
64	100		
66	29.1	24.2	36.2





#7

Trichlorofluoromethane

Concen: 1.013 ug/l

RT: 2.99 min Scan# 388

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

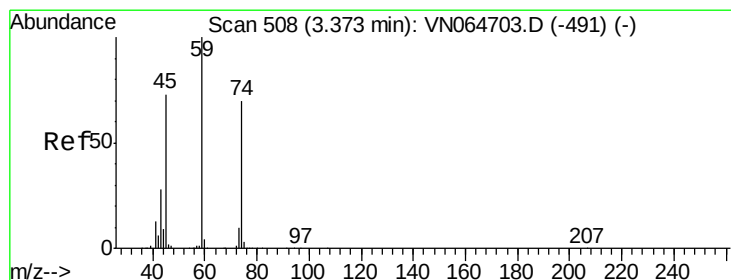
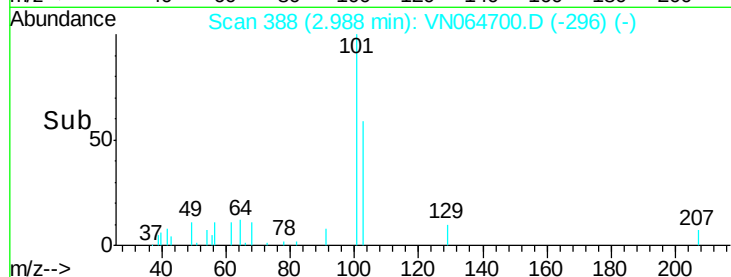
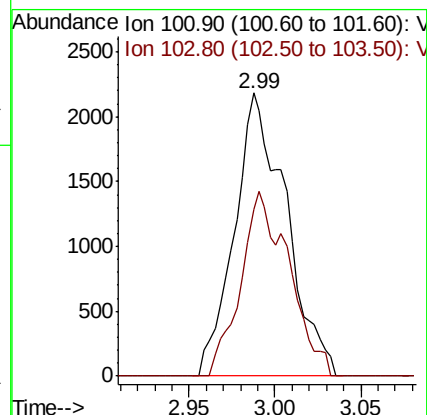
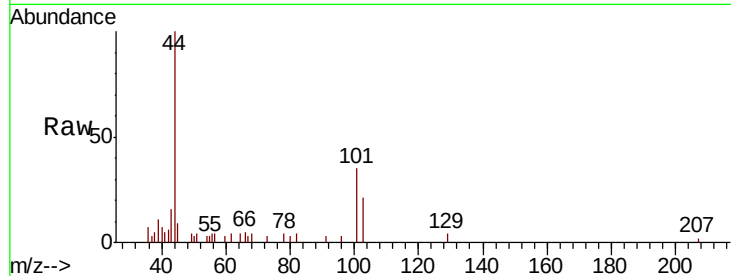
VSTDIC001

Tot Ion:101 Resp: 4564

Ion Ratio Lower Upper

101 100

103 58.8 51.8 77.6



#8

Diethyl Ether

Concen: 1.113 ug/l

RT: 3.37 min Scan# 508

Delta R.T. -0.00 min

Lab File: VN064700.D

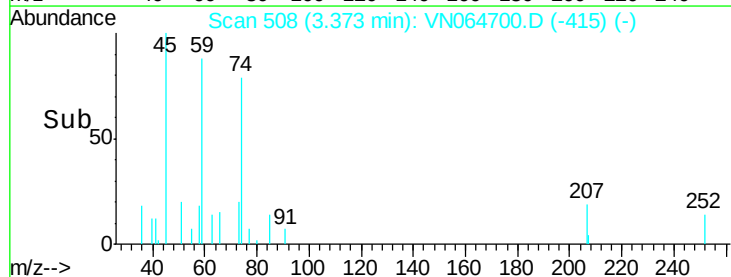
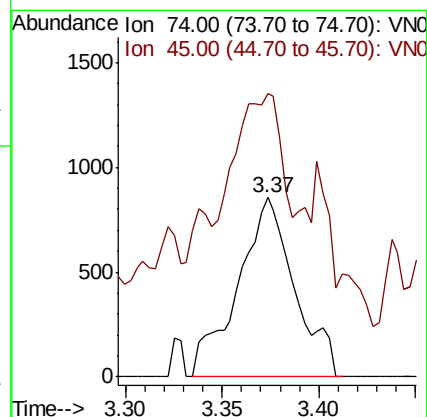
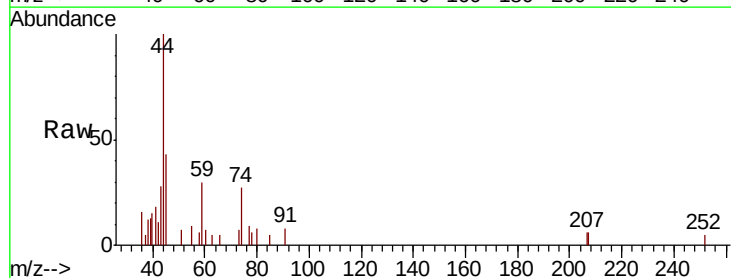
Acq: 18 Nov 2020 11:39

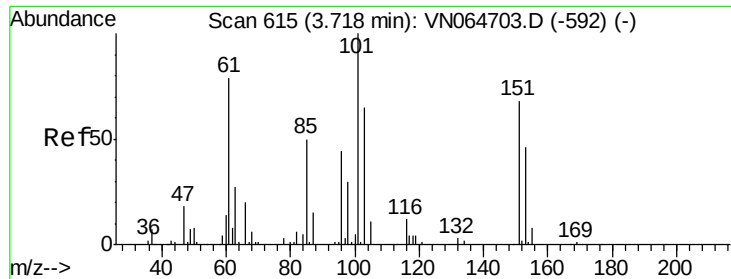
Tgt Ion: 74 Resp: 1747

Ion Ratio Lower Upper

74 100

45 53.9 52.8 158.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.556 ug/l

RT: 3.71 min Scan# 613

Delta R.T. -0.01 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

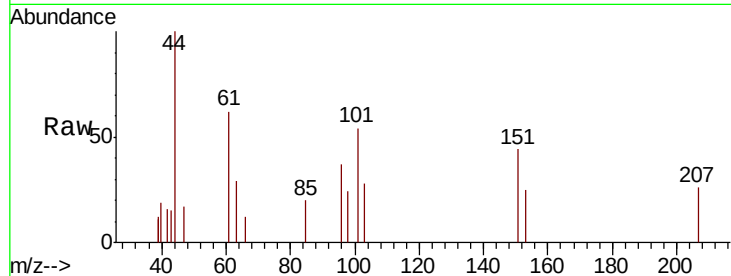
Tot Ion:101 Resp: 1176

Ion Ratio Lower Upper

101 100

85 30.9 39.0 58.4#

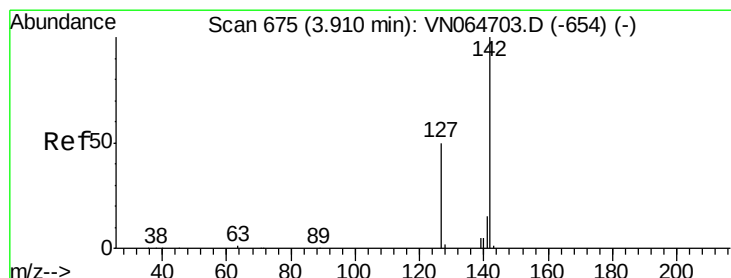
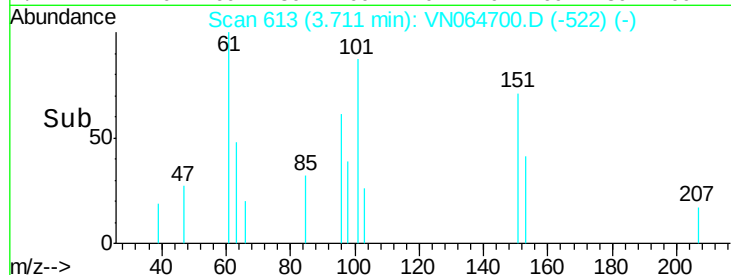
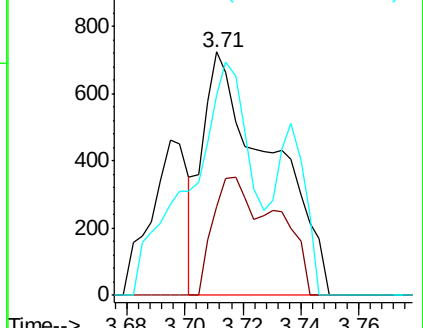
151 86.0 57.2 85.8#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.479 ug/l

RT: 3.91 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

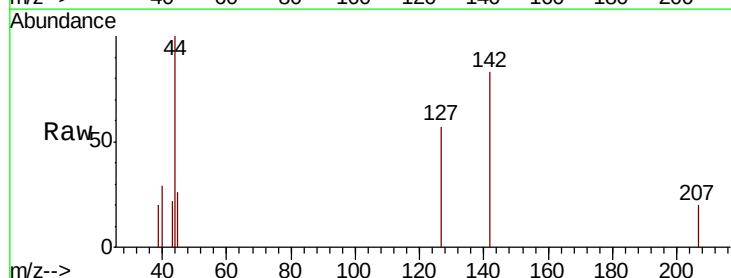
Tgt Ion:142 Resp: 1179

Ion Ratio Lower Upper

142 100

127 52.5 42.0 63.0

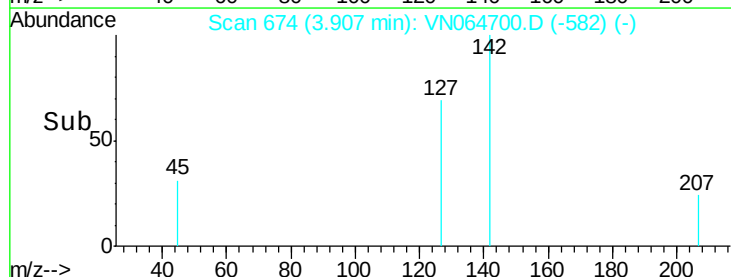
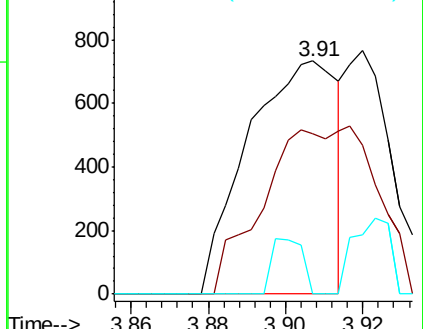
141 8.1 12.1 18.1#

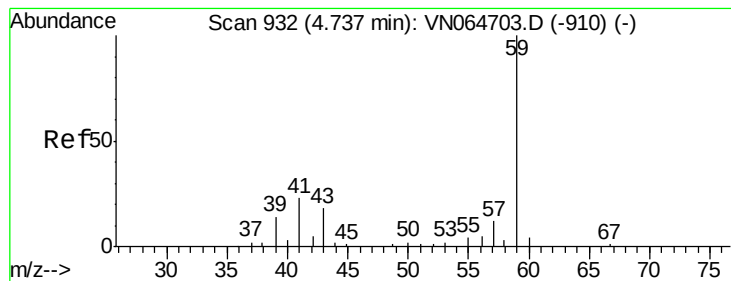


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



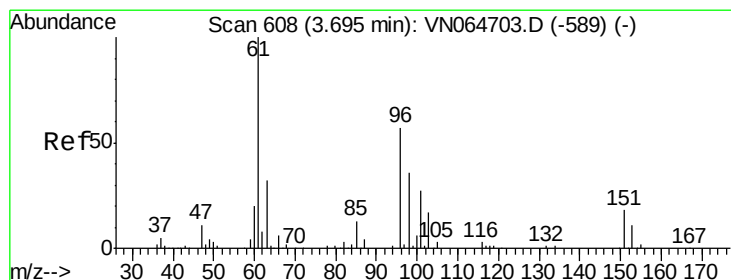
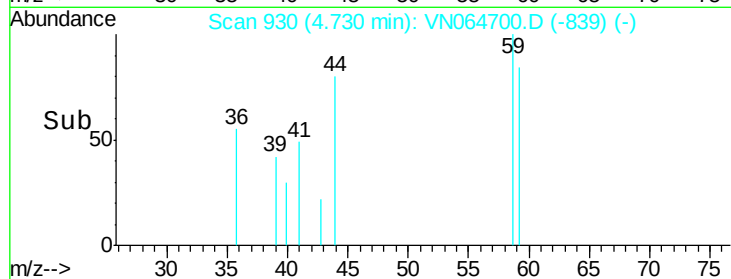
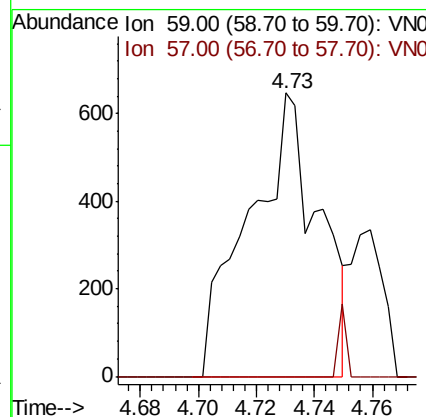
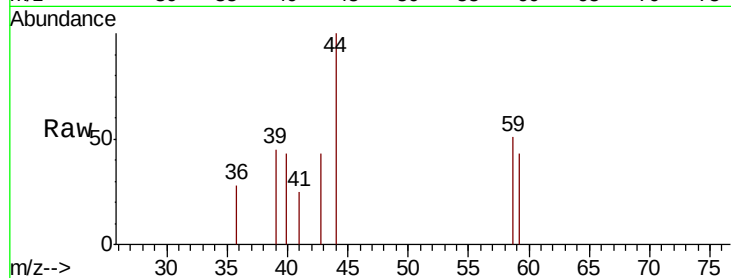


#11

Tert butyl alcohol
Concen: 3.093 ug/l
RT: 4.73 min Scan# 930
Delta R.T. -0.01 min
Lab File: VN064700.D
Acq: 18 Nov 2020 11:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

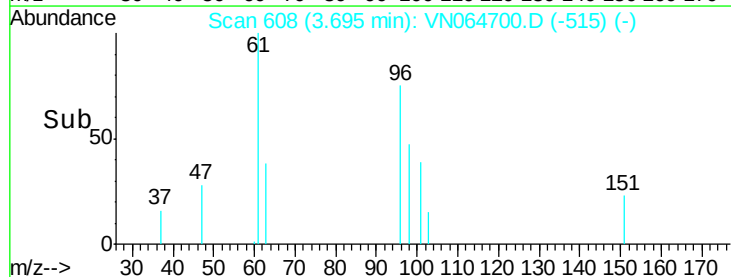
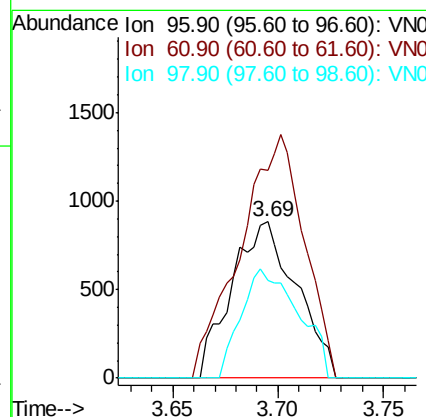
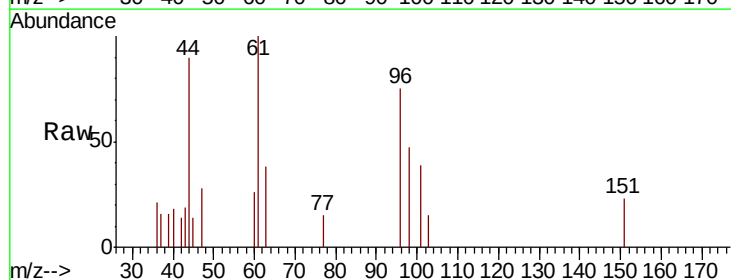
Tot Ion: 59 Resp: 1074
Ion Ratio Lower Upper
59 100
57 0.0 9.1 13.7#

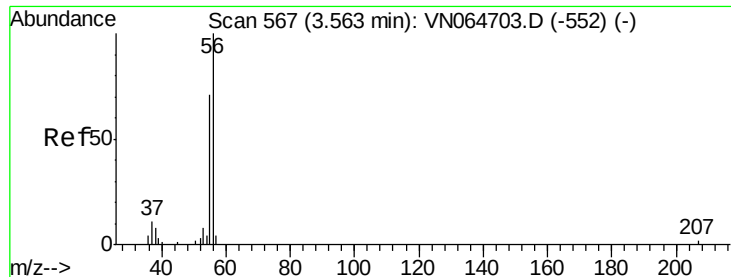


#12

1,1-Dichloroethene
Concen: 0.948 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064700.D
Acq: 18 Nov 2020 11:39

Tgt Ion: 96 Resp: 1886
Ion Ratio Lower Upper
96 100
61 132.5 139.1 208.7#
98 62.6 50.2 75.2





#13

Acrolein

Concen: 2.644 ug/l

RT: 3.56 min Scan# 565

Delta R.T. -0.01 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

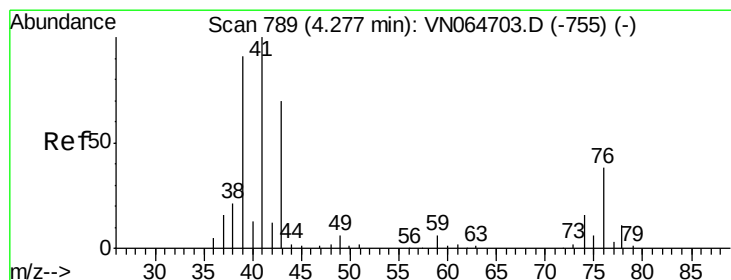
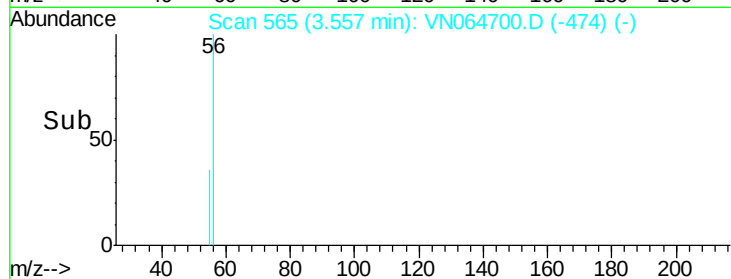
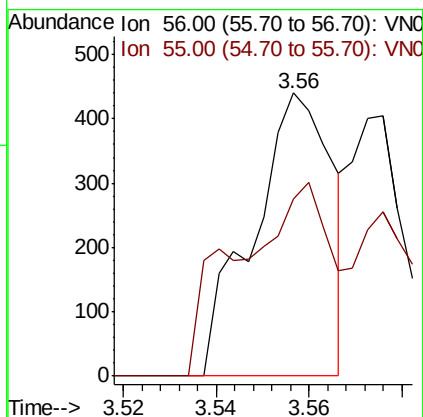
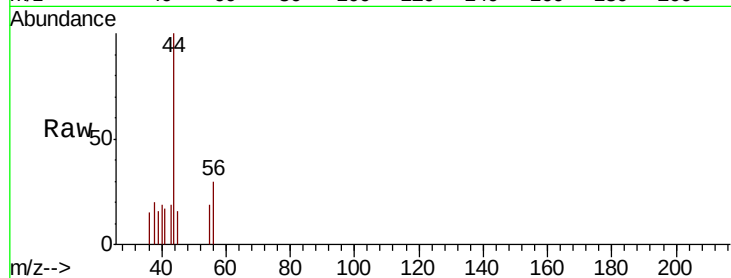
VSTDIC001

Tot Ion: 56 Resp: 518

Ion Ratio Lower Upper

56 100

55 51.9 61.8 92.6#



#14

Allyl chloride

Concen: 0.815 ug/l

RT: 4.27 min Scan# 787

Delta R.T. -0.01 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

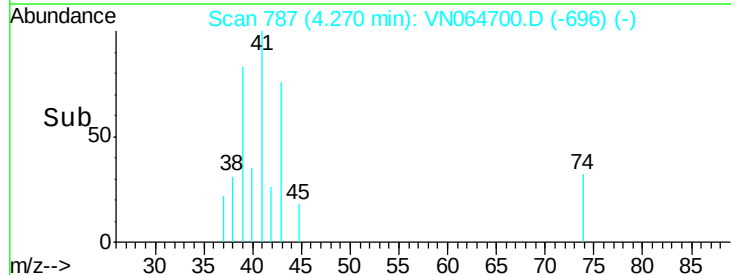
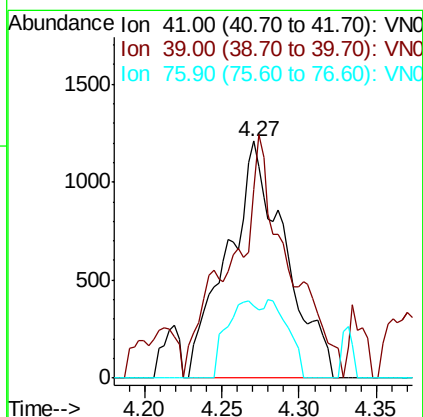
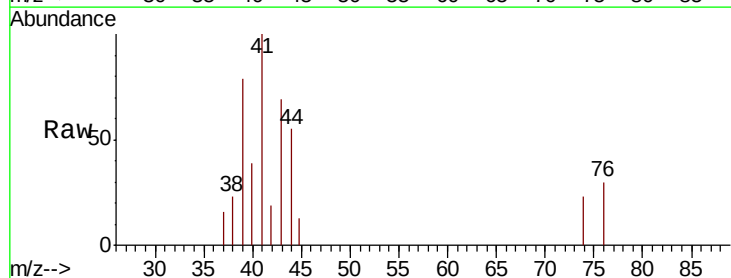
Tgt Ion: 41 Resp: 3112

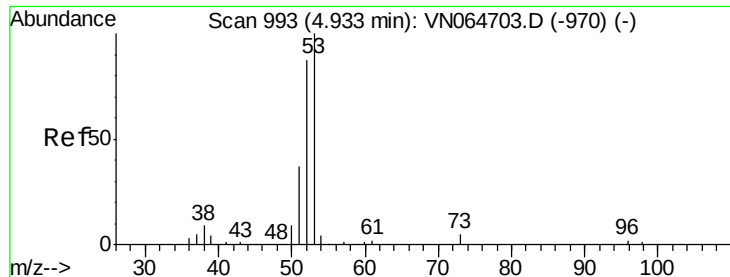
Ion Ratio Lower Upper

41 100

39 33.4 66.1 99.1#

76 18.1 26.6 40.0#





#15

Acrylonitrile

Concen: 4.162 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

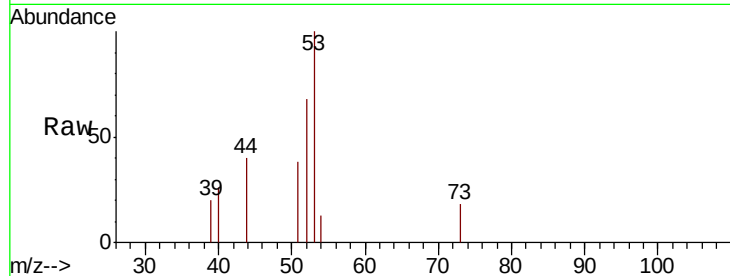
Tot Ion: 53 Resp: 4065

Ion Ratio Lower Upper

53 100

52 72.6 67.2 100.8

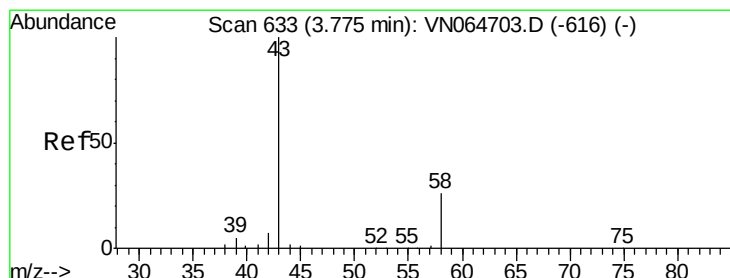
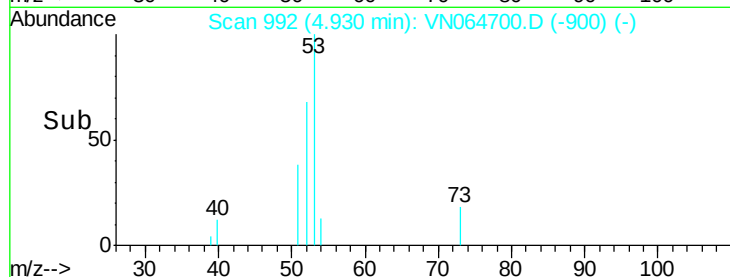
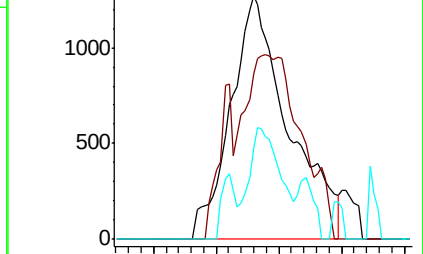
51 24.3 31.0 46.6#



Abundance Ion 53.00 (52.70 to 53.70): VN064700.D (-900) (-)

Ion 52.00 (51.70 to 52.70): VN064700.D (-900) (-)

Ion 51.00 (50.70 to 51.70): VN064700.D (-900) (-)



#16

Acetone

Concen: 3.213 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064700.D

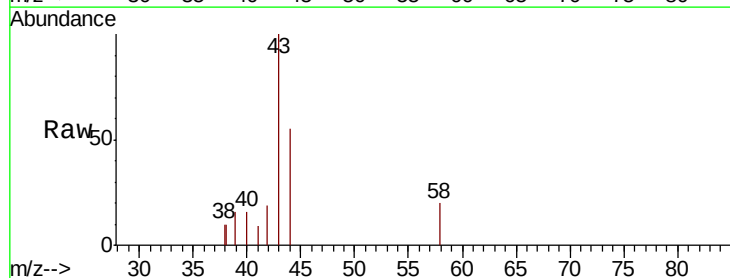
Acq: 18 Nov 2020 11:39

Tgt Ion: 43 Resp: 3707

Ion Ratio Lower Upper

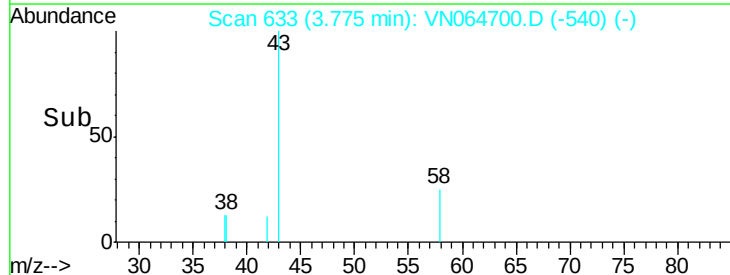
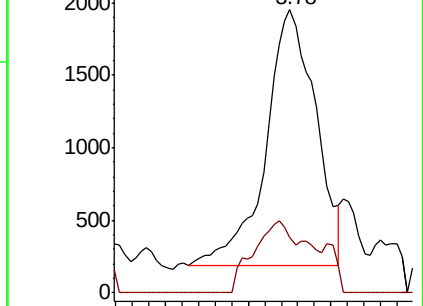
43 100

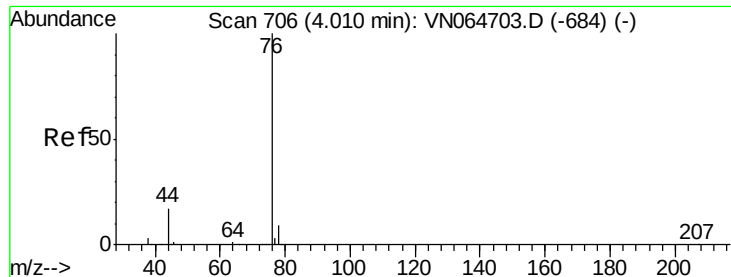
58 21.9 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VN064700.D (-540) (-)

Ion 58.00 (57.70 to 58.70): VN064700.D (-540) (-)





#17

Carbon Disulfide

Concen: 1.307 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

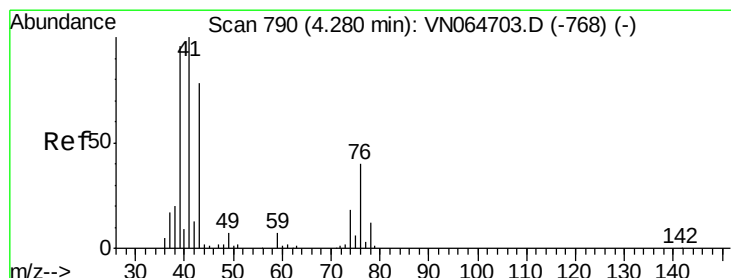
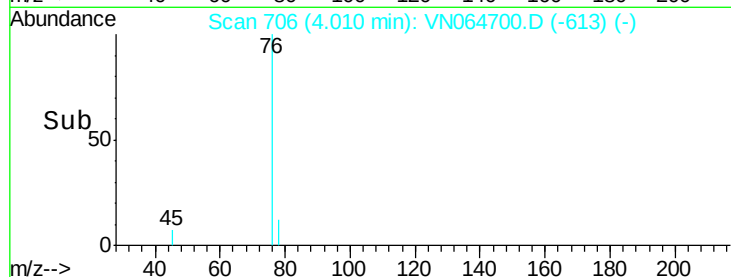
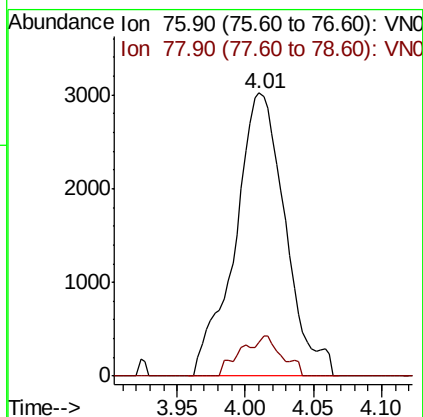
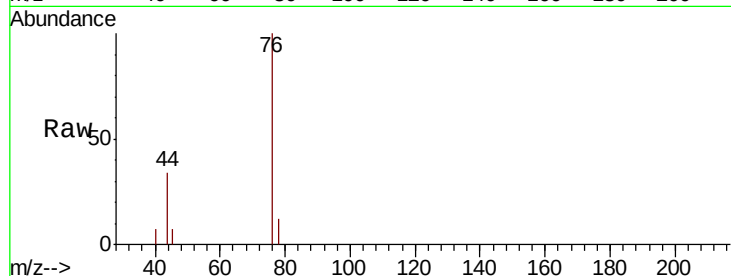
VSTDIC001

Tot Ion: 76 Resp: 7730

Ion Ratio Lower Upper

76 100

78 12.1 7.1 10.7#



#18

Methyl Acetate

Concen: 0.897 ug/l

RT: 4.29 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN064700.D

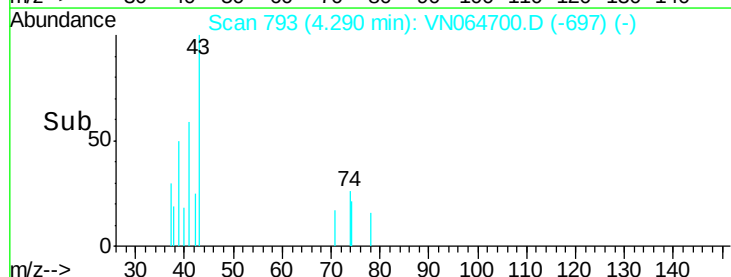
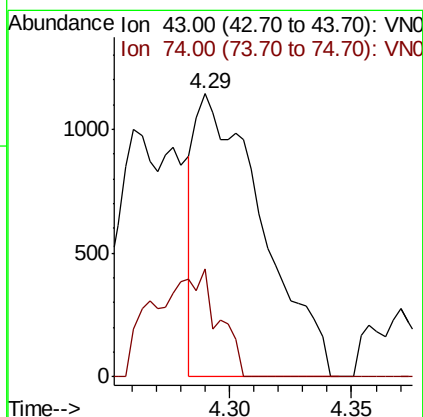
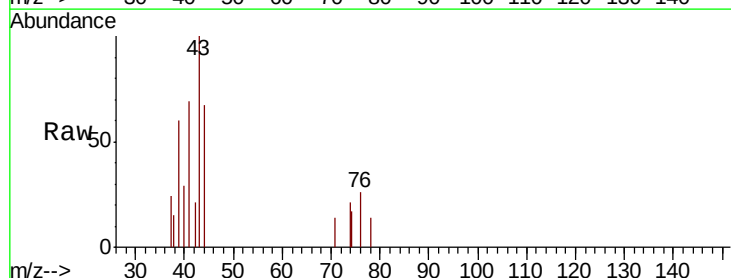
Acq: 18 Nov 2020 11:39

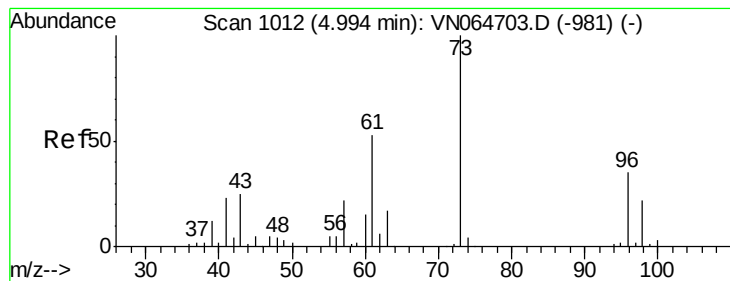
Tgt Ion: 43 Resp: 2172

Ion Ratio Lower Upper

43 100

74 35.8 17.6 26.4#



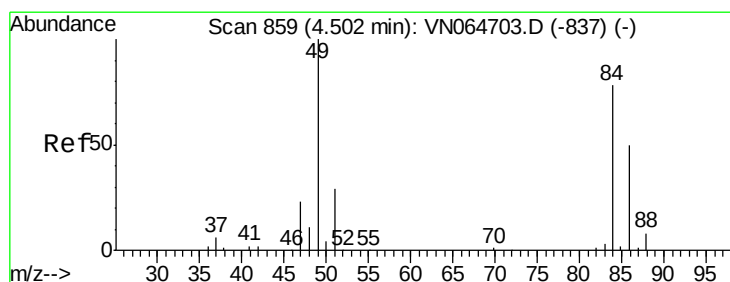
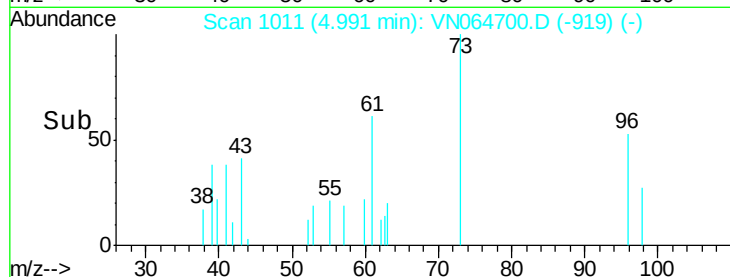
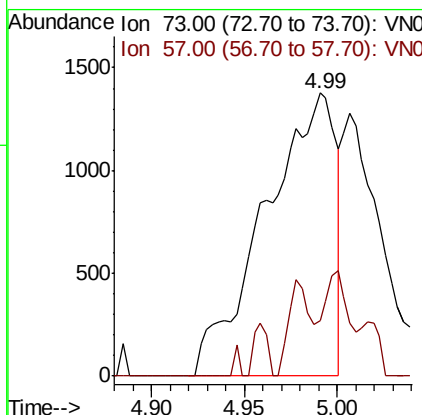
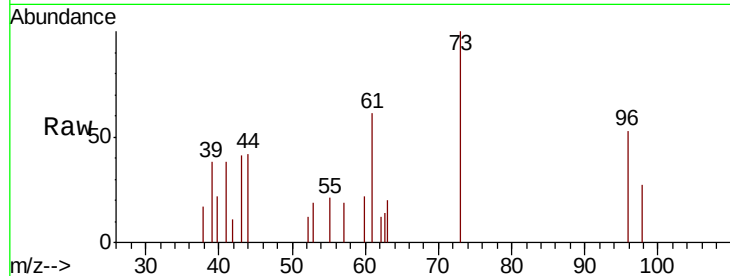


#19

Methyl tert-butyl Ether
 Concen: 0.510 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN064700.D
 Acq: 18 Nov 2020 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

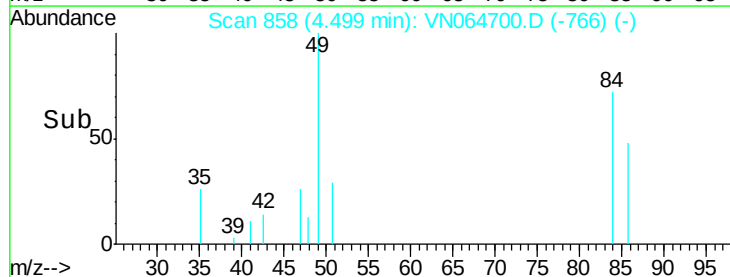
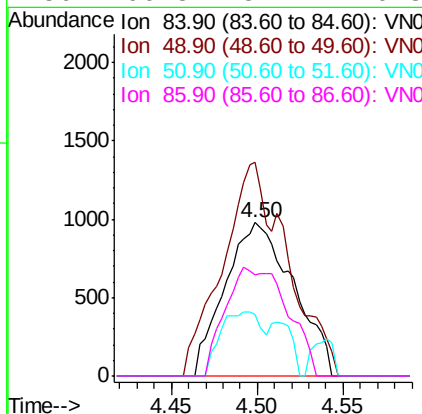
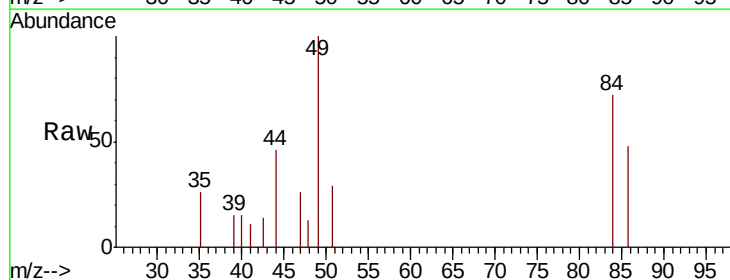
Tot Ion: 73 Resp: 3634
 Ion Ratio Lower Upper
 73 100
 57 19.5 17.3 25.9

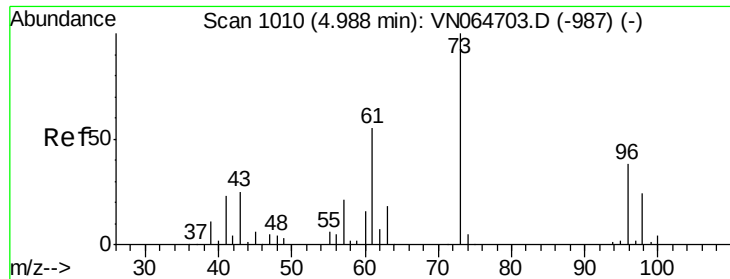


#20

Methylene Chloride
 Concen: 1.105 ug/l
 RT: 4.50 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: VN064700.D
 Acq: 18 Nov 2020 11:39

Tgt Ion: 84 Resp: 2709
 Ion Ratio Lower Upper
 84 100
 49 139.2 102.4 153.6
 51 39.9 29.4 44.2
 86 66.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 0.952 ug/l

RT: 4.98 min Scan# 1008

Delta R.T. -0.01 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

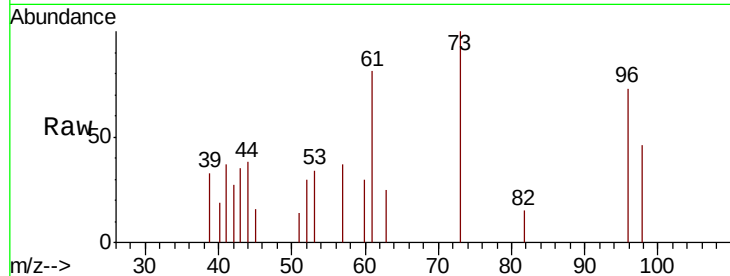
Tot Ion: 96 Resp: 2143

Ion Ratio Lower Upper

96 100

61 82.9 117.9 176.9#

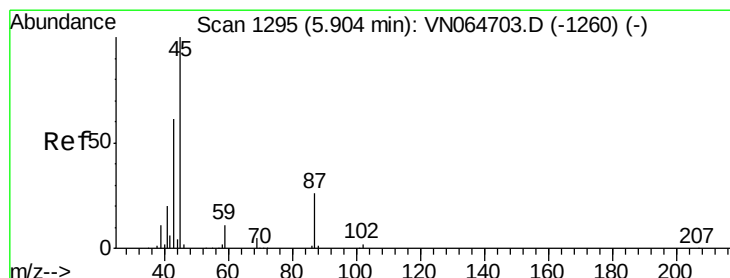
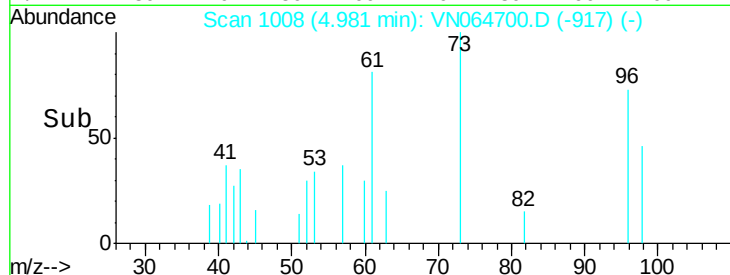
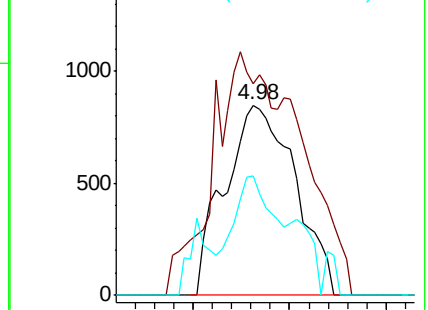
98 62.5 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VN064700.D (-917) (-)

Ion 60.90 (60.60 to 61.60): VN064700.D (-917) (-)

Ion 97.90 (97.60 to 98.60): VN064700.D (-917) (-)



#22

Diisopropyl ether

Concen: 0.338 ug/l

RT: 5.89 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Tgt Ion: 45 Resp: 2736

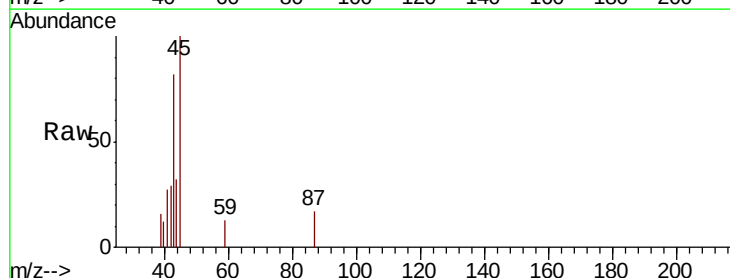
Ion Ratio Lower Upper

45 100

43 2.6 52.3 78.5#

87 16.7 21.6 32.4#

59 13.5 8.7 13.1#

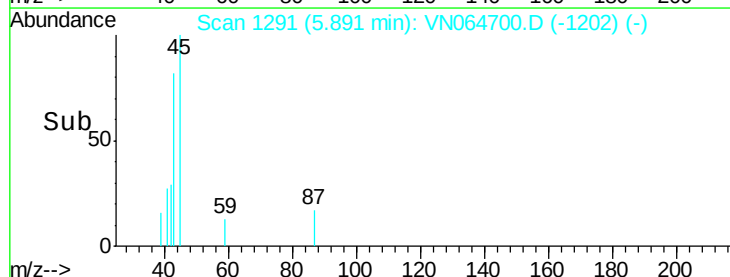
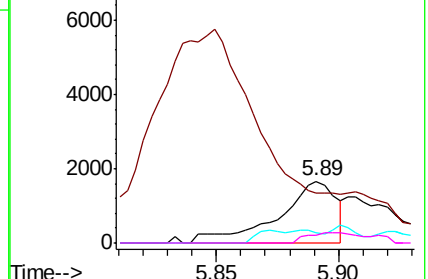


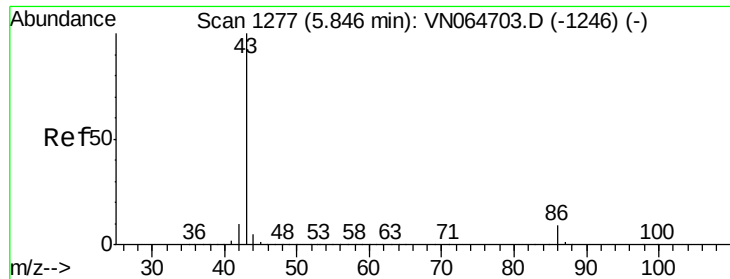
Abundance Ion 45.00 (44.70 to 45.70): VN064700.D (-1202) (-)

Ion 43.00 (42.70 to 43.70): VN064700.D (-1202) (-)

Ion 87.00 (86.70 to 87.70): VN064700.D (-1202) (-)

Ion 59.00 (58.70 to 59.70): VN064700.D (-1202) (-)





#23

Vinyl Acetate

Concen: 2.869 ug/l

RT: 5.85 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

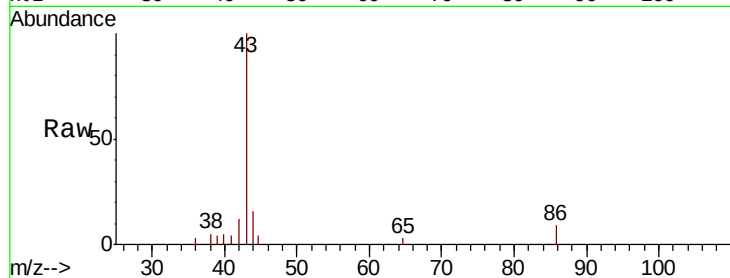
VSTDIC001

Tot Ion: 43 Resp: 18818

Ion Ratio Lower Upper

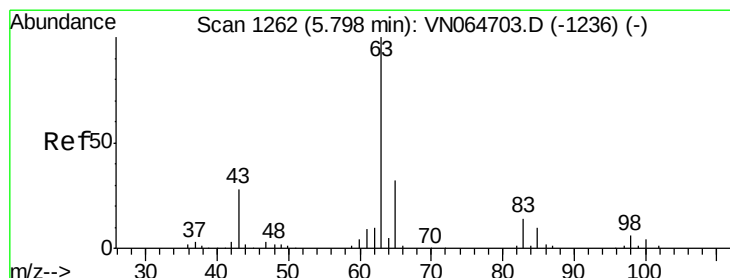
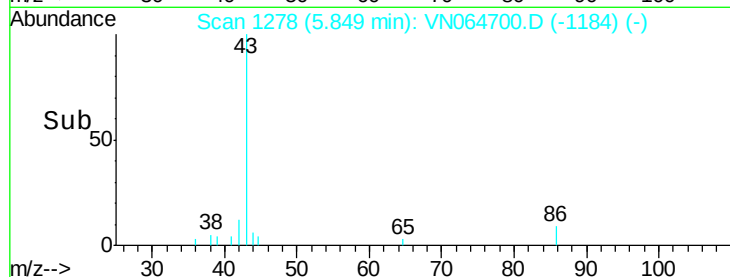
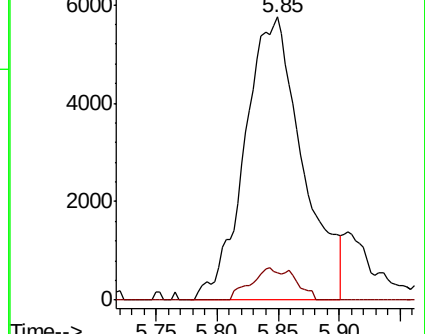
43 100

86 9.5 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN064700.D (-1184) (-)

Ion 86.00 (85.70 to 86.70): VN064700.D (-1184) (-)



#24

1,1-Dichloroethane

Concen: 0.806 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

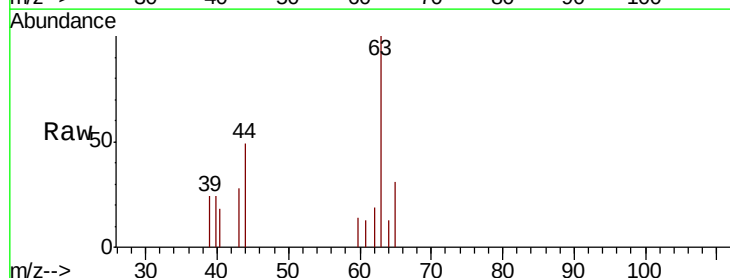
Tgt Ion: 63 Resp: 3622

Ion Ratio Lower Upper

63 100

98 0.0 3.2 9.6#

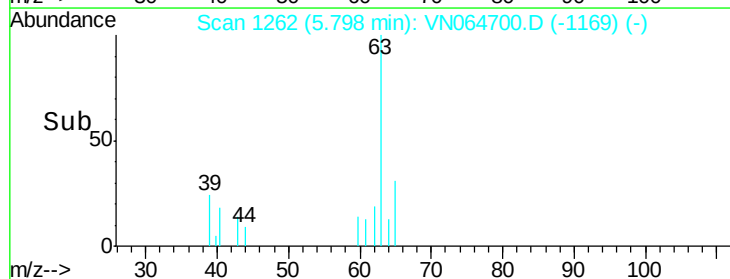
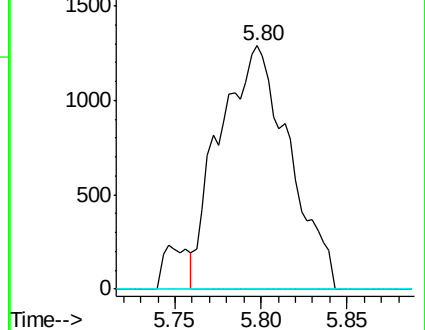
100 0.0 1.9 5.7#

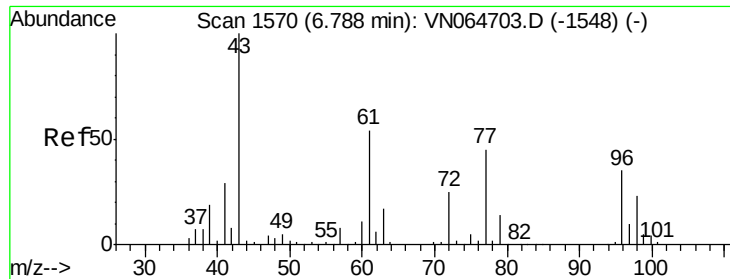


Abundance Ion 62.90 (62.60 to 63.60): VN064700.D (-1169) (-)

Ion 97.90 (97.60 to 98.60): VN064700.D (-1169) (-)

Ion 99.90 (99.60 to 100.60): VN064700.D (-1169) (-)





#25

2-Butanone

Concen: 2.331 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

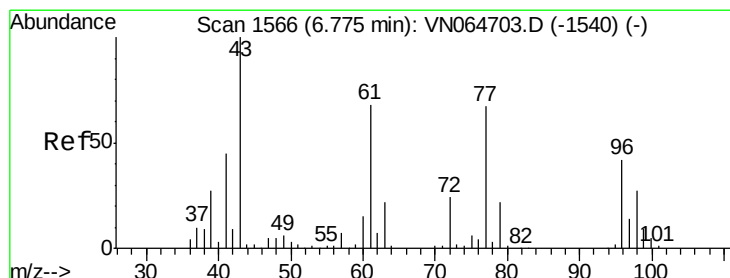
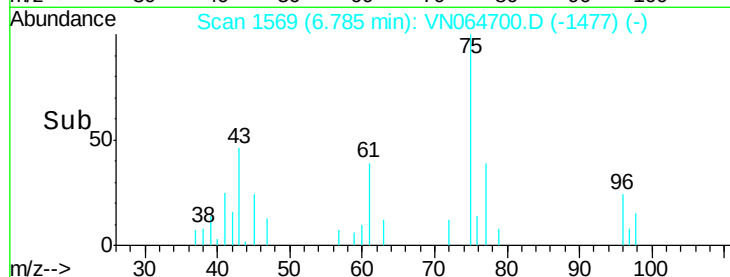
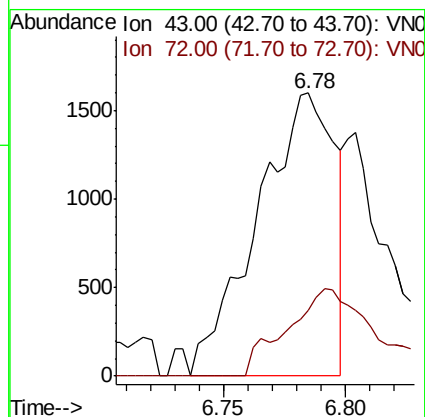
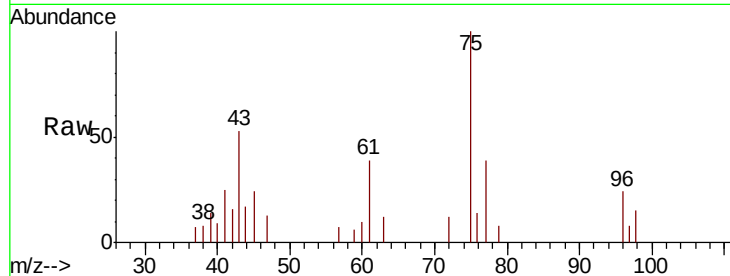
VSTDIC001

Tot Ion: 43 Resp: 3522

Ion Ratio Lower Upper

43 100

72 23.3 19.7 29.5



#26

2,2-Dichloropropane

Concen: 0.497 ug/l

RT: 6.76 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN064700.D

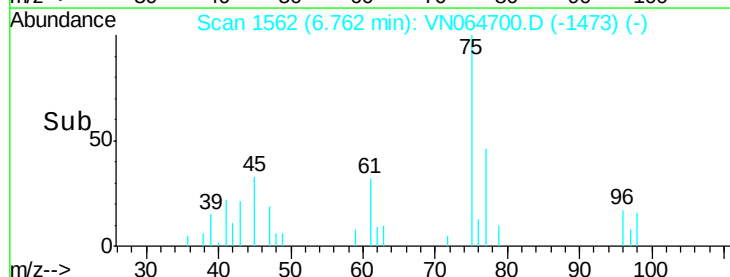
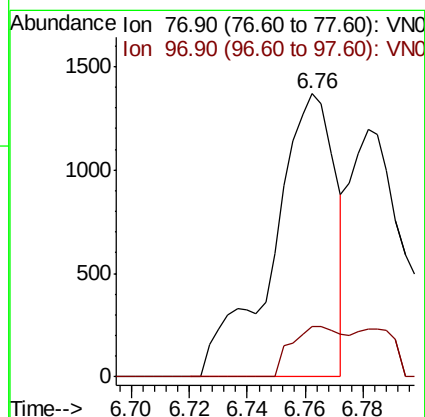
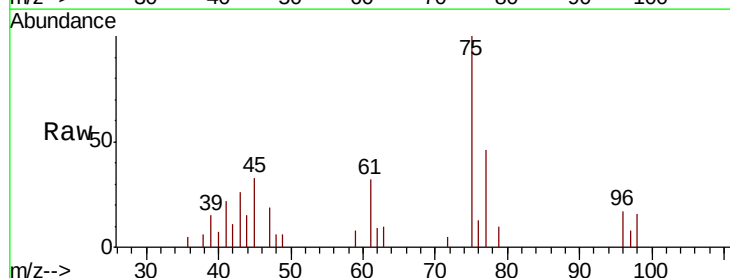
Acq: 18 Nov 2020 11:39

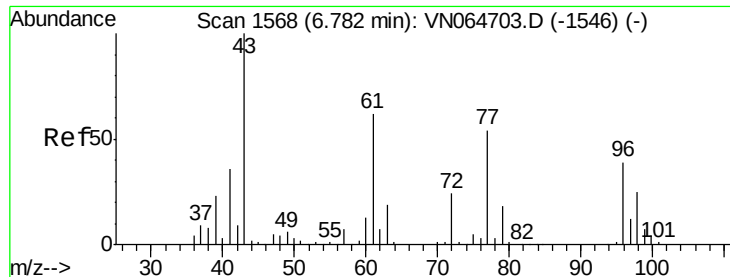
Tgt Ion: 77 Resp: 2042

Ion Ratio Lower Upper

77 100

97 15.5 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 0.524 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

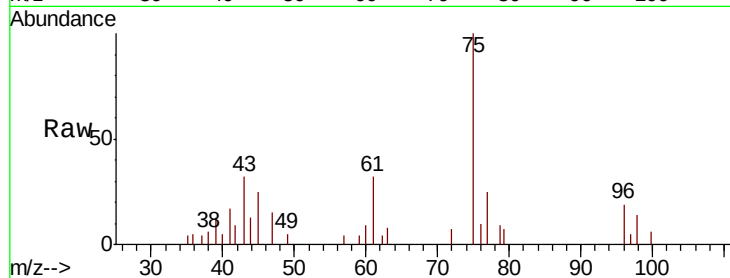
Tot Ion: 96 Resp: 1362

Ion Ratio Lower Upper

96 100

61 286.6 0.0 322.6

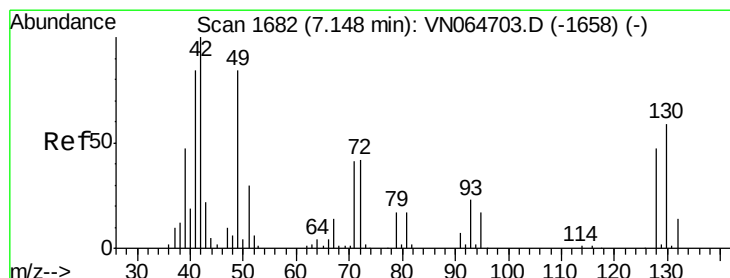
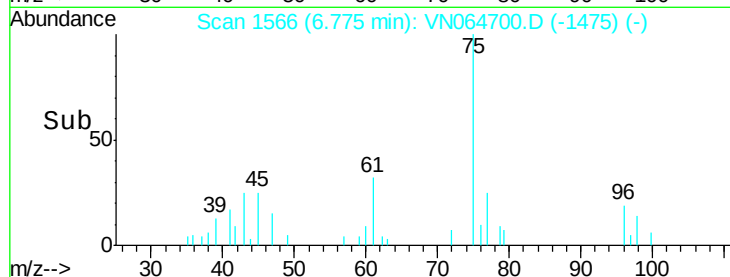
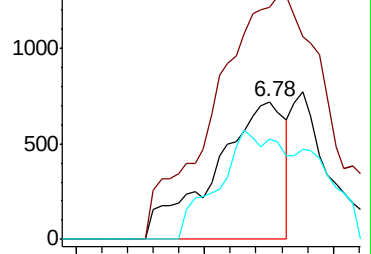
98 76.5 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VN064700.D (-1546) (-)

Ion 60.90 (60.60 to 61.60): VN064700.D (-1546) (-)

Ion 97.90 (97.60 to 98.60): VN064700.D (-1546) (-)



#28

Bromochloromethane

Concen: 0.302 ug/l

RT: 7.14 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

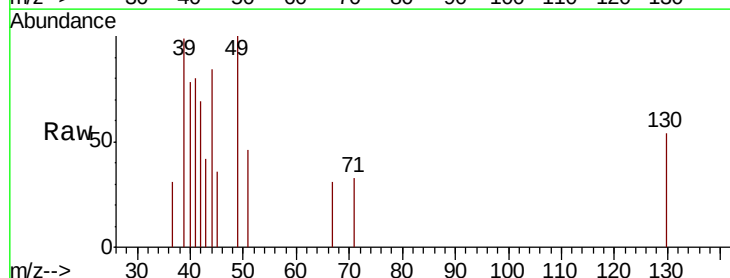
Tgt Ion: 49 Resp: 685

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

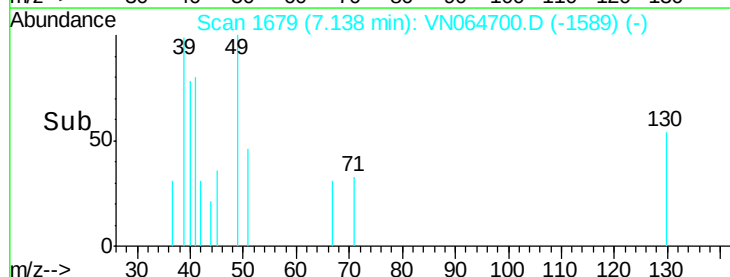
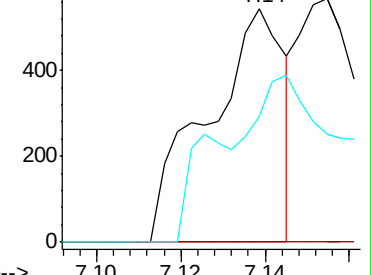
130 88.5 56.2 84.4#

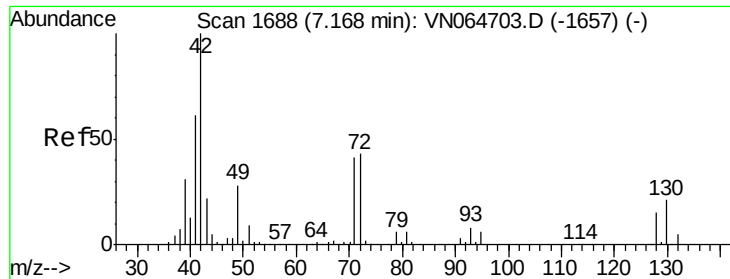


Abundance Ion 48.90 (48.60 to 49.60): VN064700.D (-1589) (-)

Ion 128.80 (128.50 to 129.50): VN064700.D (-1589) (-)

Ion 129.80 (129.50 to 130.50): VN064700.D (-1589) (-)





#29

Tetrahydrofuran

Concen: 3.723 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

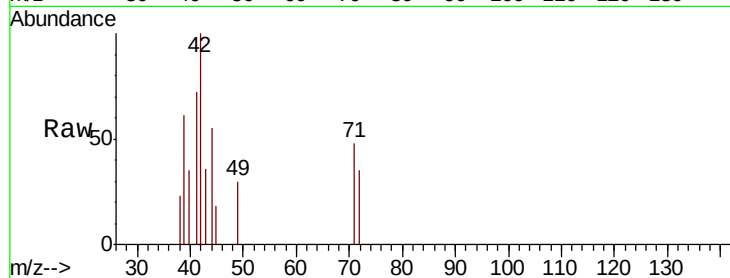
Tot Ion: 42 Resp: 3528

Ion Ratio Lower Upper

42 100

72 21.3 33.0 49.4#

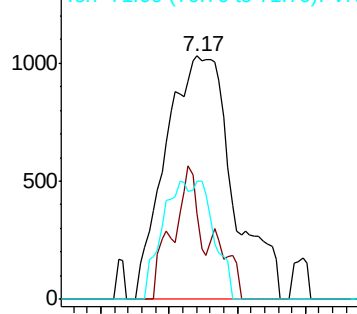
71 19.6 31.8 47.6#



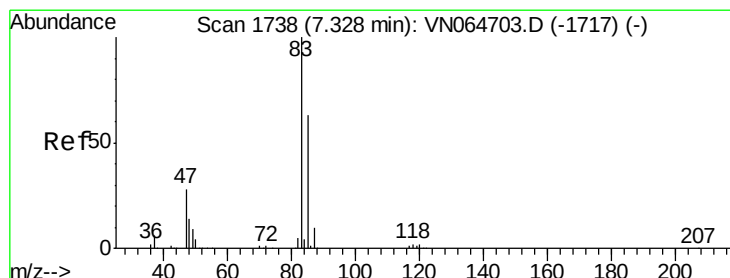
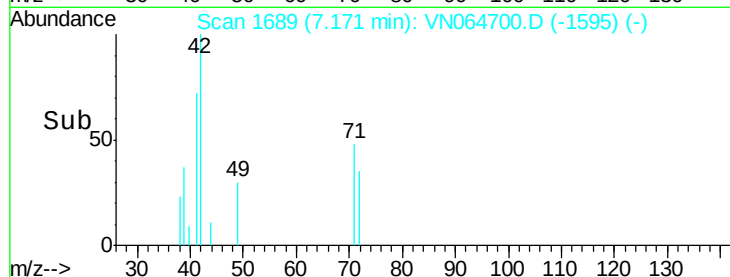
Abundance Ion 42.00 (41.70 to 42.70): VN064700.D (-1657) (-)

Ion 72.00 (71.70 to 72.70): VN064700.D (-1657) (-)

Ion 71.00 (70.70 to 71.70): VN064700.D (-1657) (-)



Time-->



#30

Chloroform

Concen: 0.777 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VN064700.D

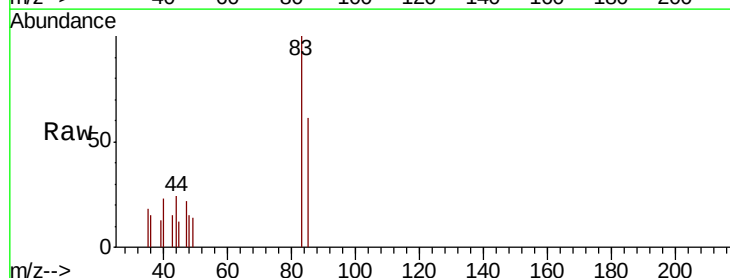
Acq: 18 Nov 2020 11:39

Tgt Ion: 83 Resp: 3689

Ion Ratio Lower Upper

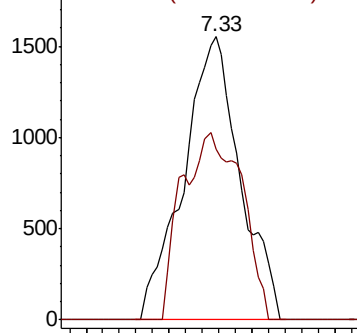
83 100

85 60.5 50.6 75.8

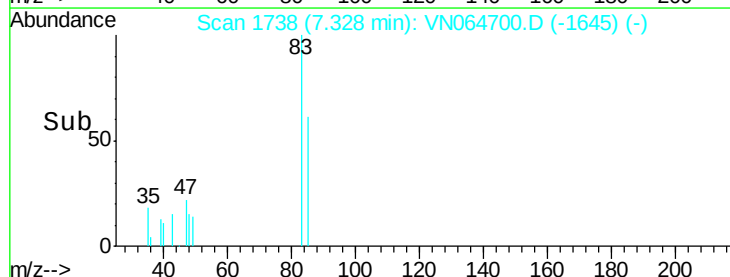


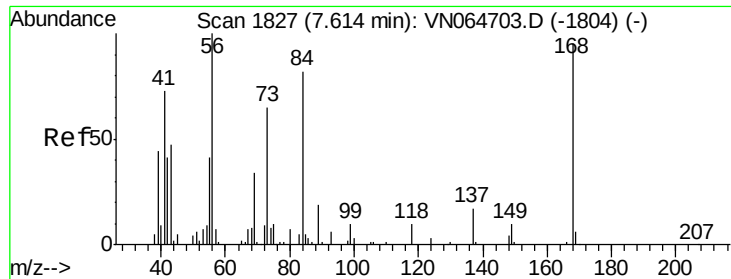
Abundance Ion 82.90 (82.60 to 83.60): VN064700.D (-1645) (-)

Ion 84.90 (84.60 to 85.60): VN064700.D (-1645) (-)



Time-->

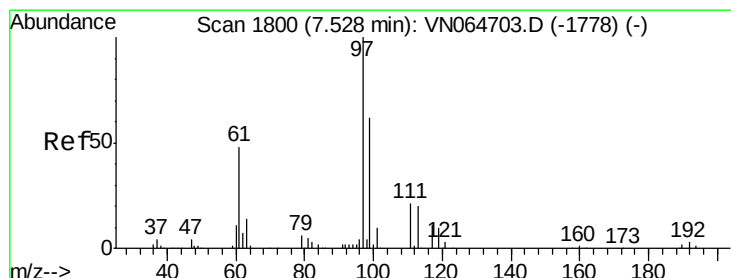
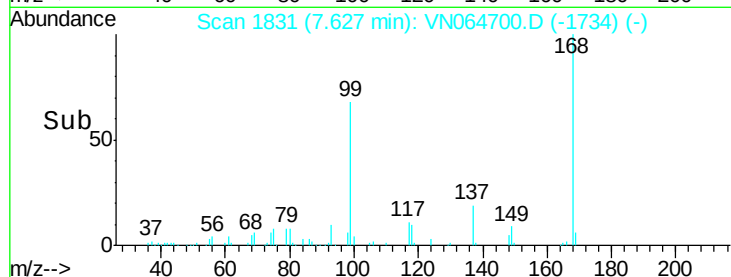
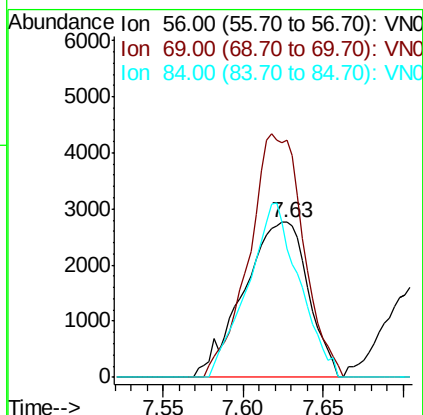
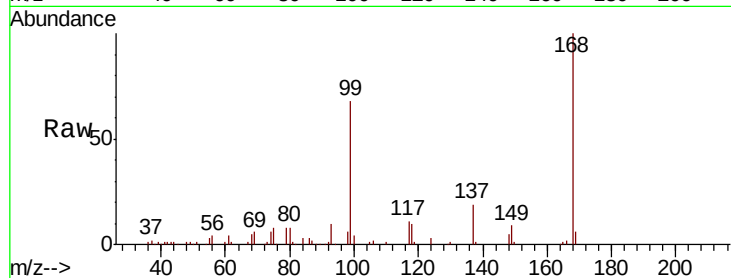




#31
Cyclohexane
Concen: 1.998 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN064700.D
Acq: 18 Nov 2020 11:39

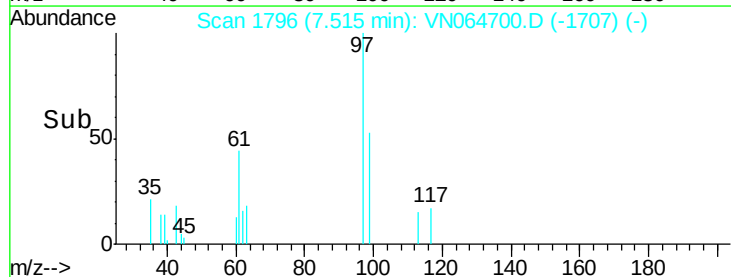
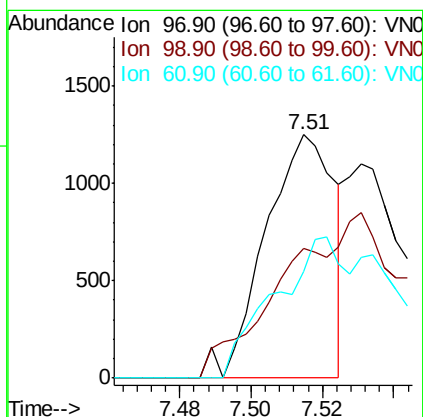
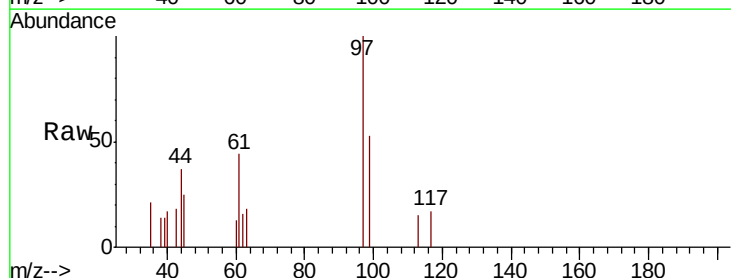
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

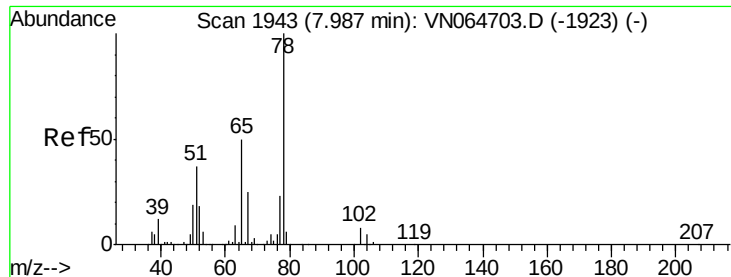
Tot Ion: 56 Resp: 7678
Ion Ratio Lower Upper
56 100
69 152.5 27.2 40.8#
84 82.9 65.9 98.9



#32
1,1,1-Trichloroethane
Concen: 0.395 ug/l
RT: 7.51 min Scan# 1796
Delta R.T. -0.01 min
Lab File: VN064700.D
Acq: 18 Nov 2020 11:39

Tgt Ion: 97 Resp: 1672
Ion Ratio Lower Upper
97 100
99 0.0 50.6 76.0#
61 59.9 38.3 57.5#

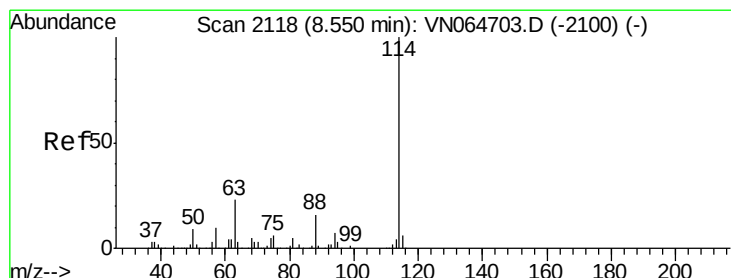
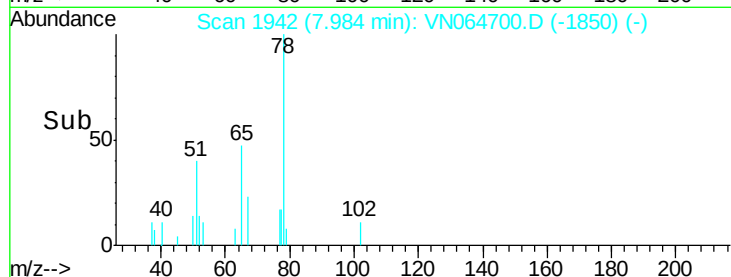
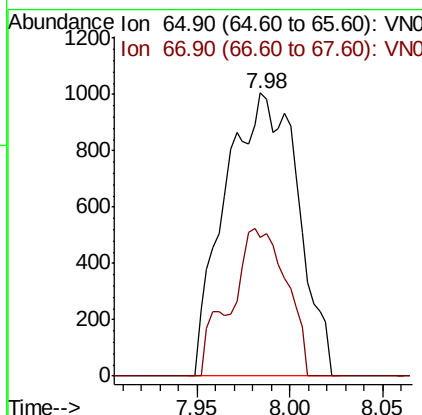
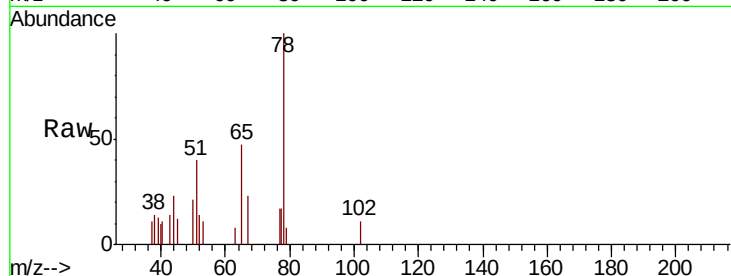




#33
 1,2-Dichloroethane-d4
 Concen: 0.838 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064700.D
 Acq: 18 Nov 2020 11:39

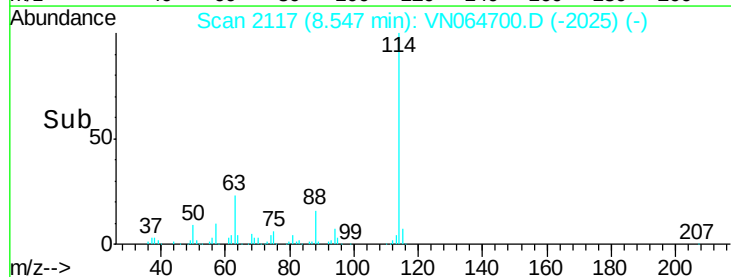
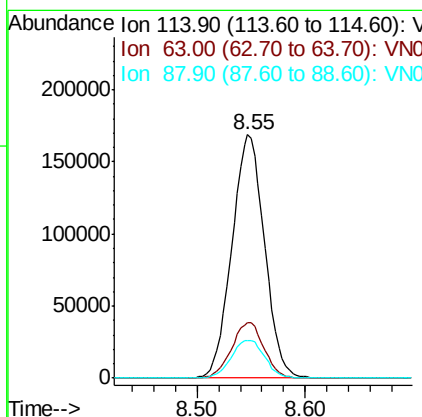
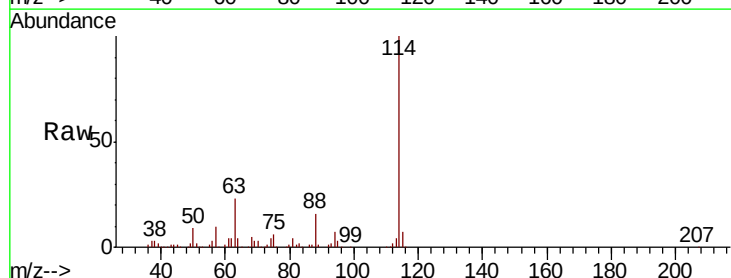
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

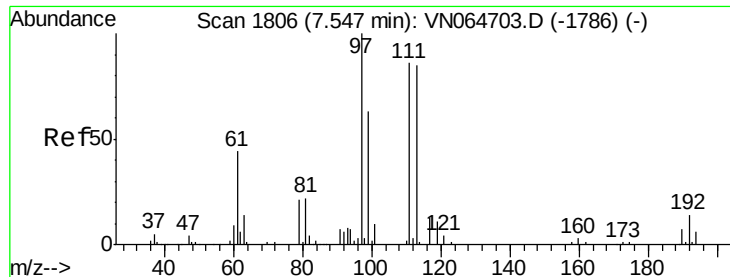
Tot Ion: 65 Resp: 2746
 Ion Ratio Lower Upper
 65 100
 67 40.0 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064700.D
 Acq: 18 Nov 2020 11:39

Tgt Ion: 114 Resp: 356095
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 46.0
 88 15.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 0.531 ug/l

RT: 7.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

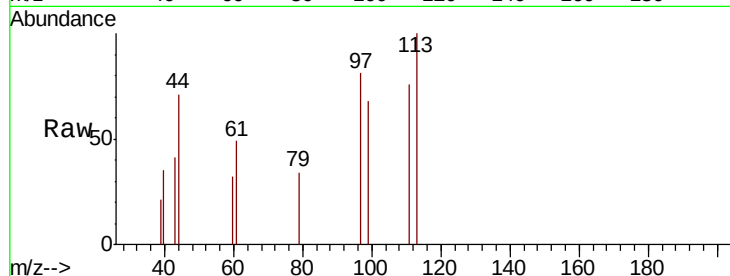
Tot Ion:113 Resp: 1249

Ion Ratio Lower Upper

113 100

111 117.7 82.2 123.4

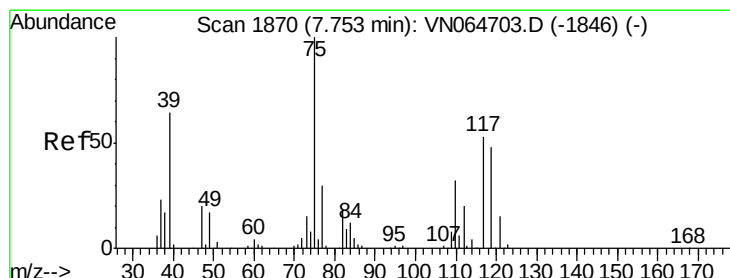
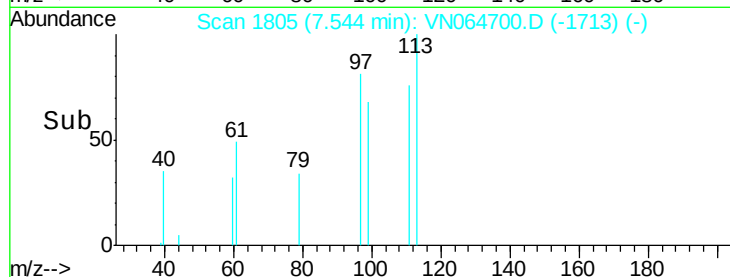
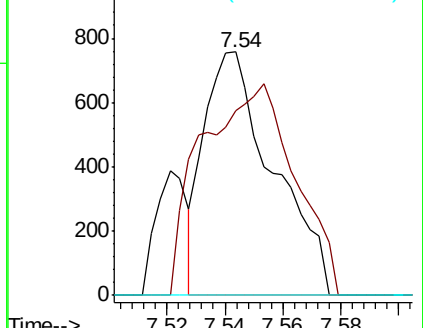
192 0.0 12.7 19.1#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 0.671 ug/l

RT: 7.75 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

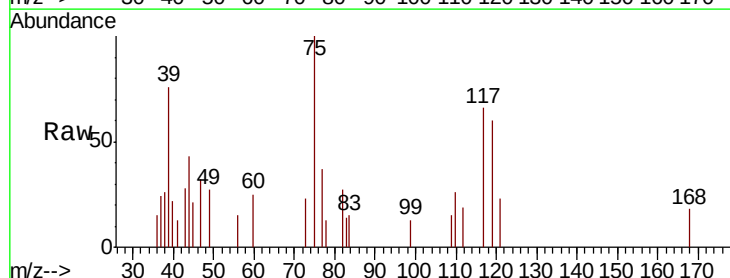
Tgt Ion: 75 Resp: 2479

Ion Ratio Lower Upper

75 100

110 15.9 16.2 48.6#

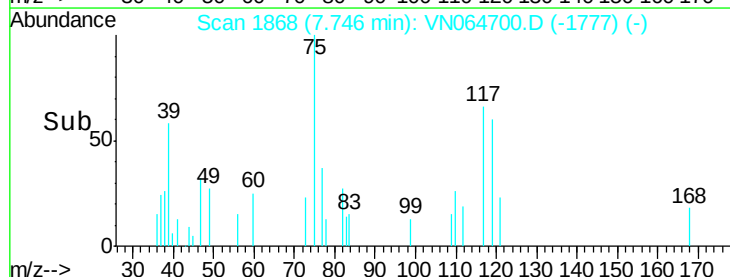
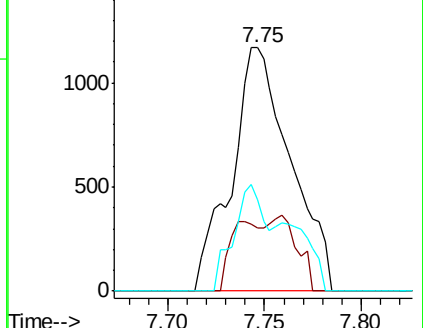
77 23.3 24.4 36.6#

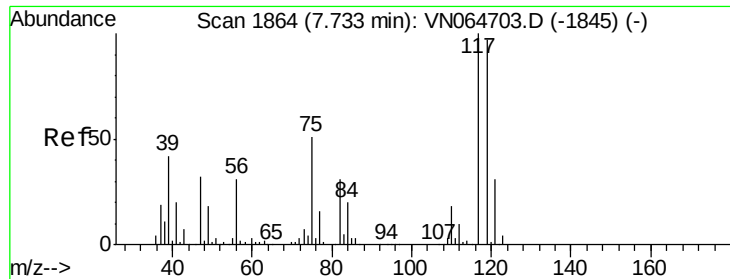


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.751 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. -0.12 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

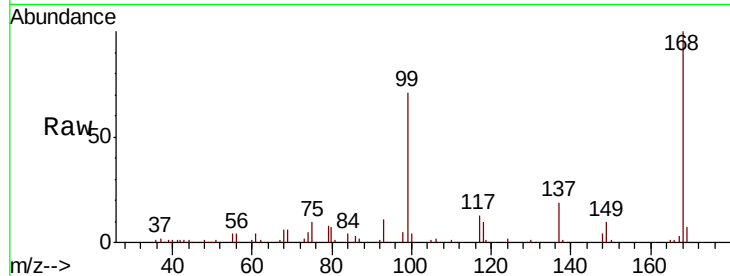
Tot Ion:117 Resp: 22882

Ion Ratio Lower Upper

117 100

119 4.0 77.8 116.6#

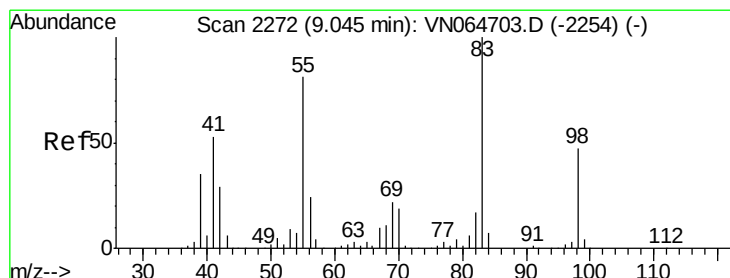
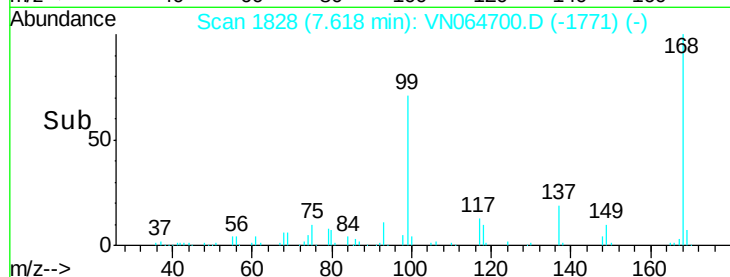
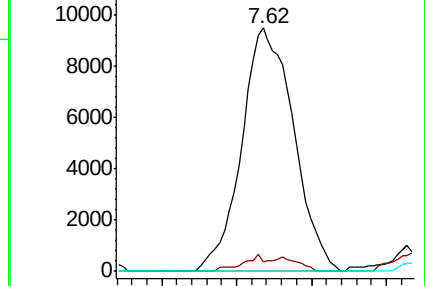
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.427 ug/l

RT: 9.04 min Scan# 2270

Delta R.T. -0.01 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

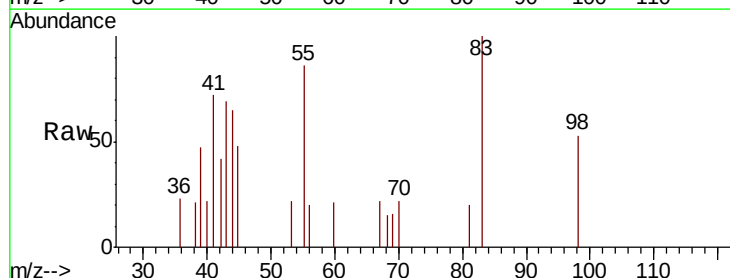
Tgt Ion: 83 Resp: 1407

Ion Ratio Lower Upper

83 100

55 86.5 64.6 97.0

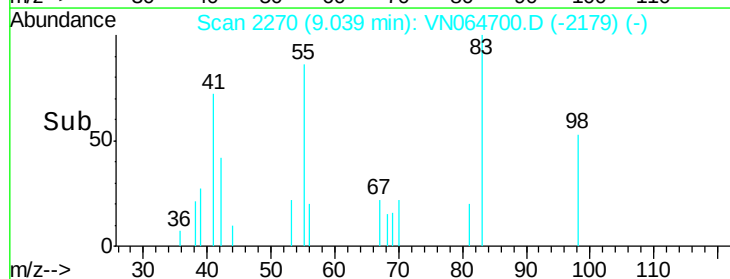
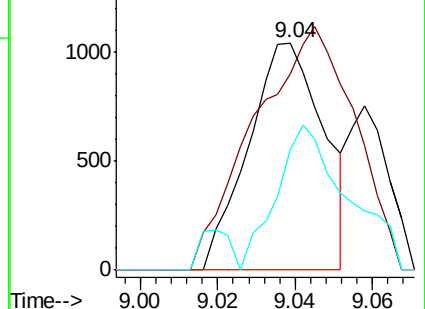
98 52.8 37.7 56.5

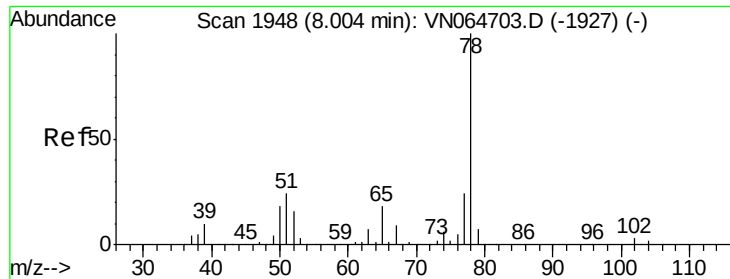


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 0.706 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

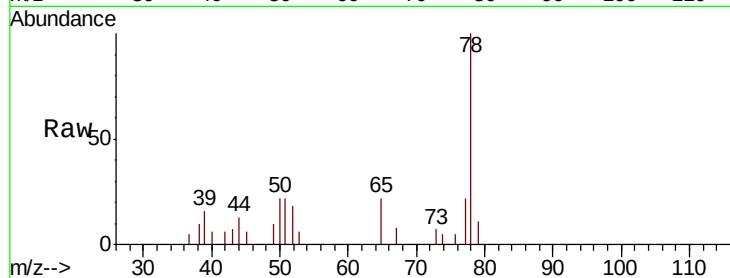
VSTDIC001

Tot Ion: 78 Resp: 7656

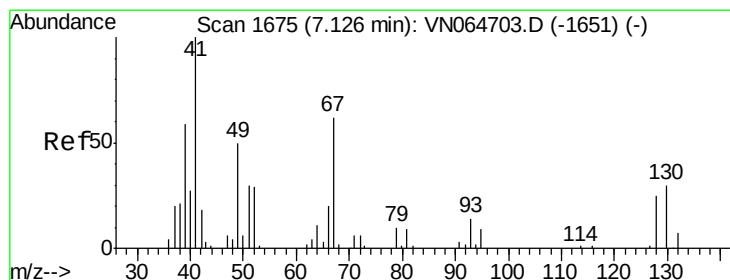
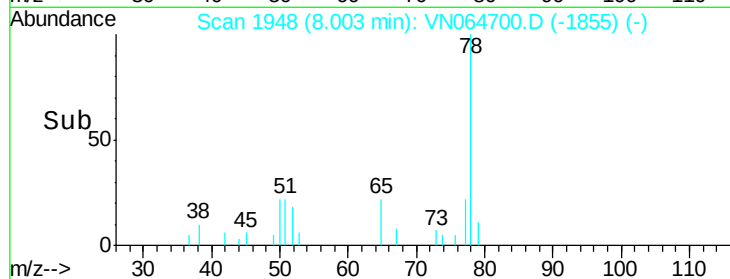
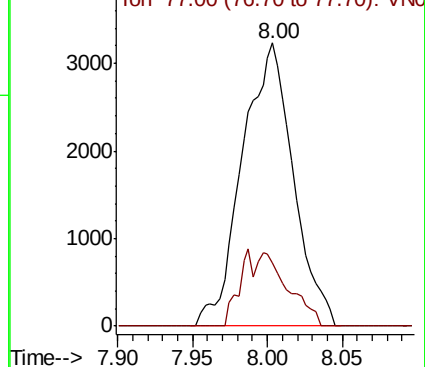
Ion Ratio Lower Upper

78 100

77 22.5 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VN064700.D (-1855) (-)



#41

Methacrylonitrile

Concen: 0.530 ug/l

RT: 7.11 min Scan# 1670

Delta R.T. -0.02 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Tgt Ion: 41 Resp: 872

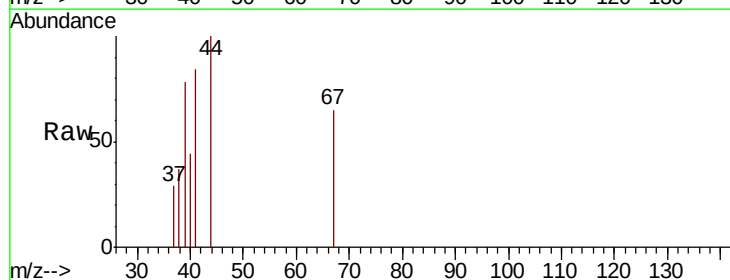
Ion Ratio Lower Upper

41 100

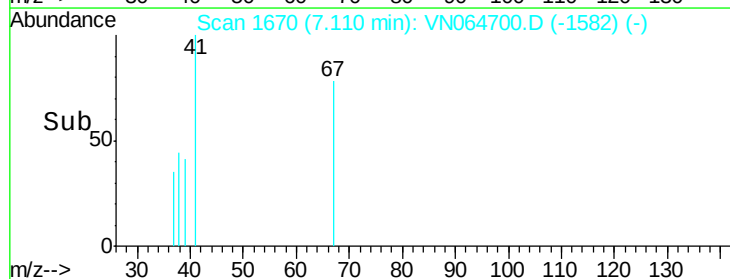
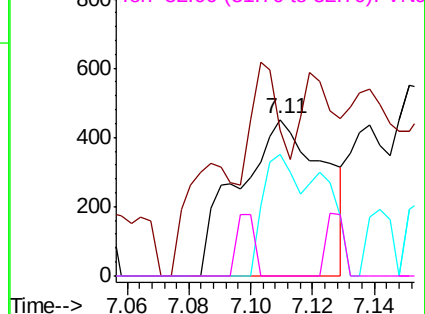
39 19.7 46.0 69.0#

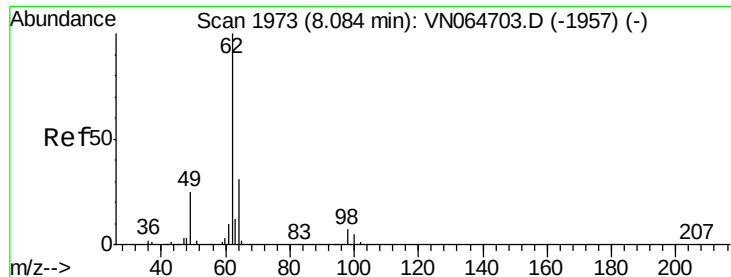
67 31.4 67.0 100.4#

52 7.9 31.7 47.5#



Abundance Ion 41.00 (40.70 to 41.70): VN064700.D (-1582) (-)





#42

1,2-Dichloroethane

Concen: 0.659 ug/l

RT: 8.08 min Scan# 1971

Delta R.T. -0.01 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

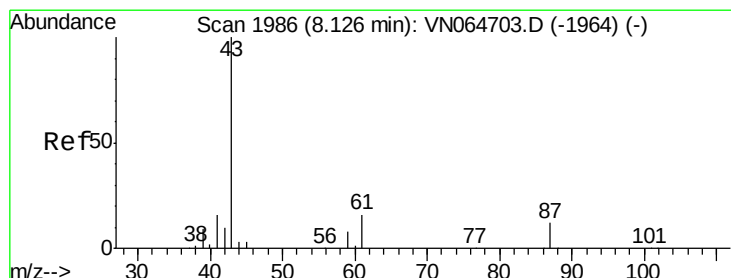
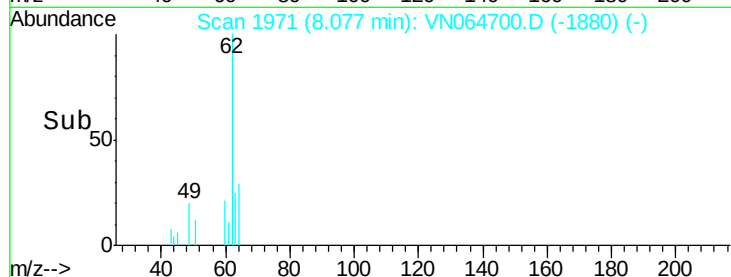
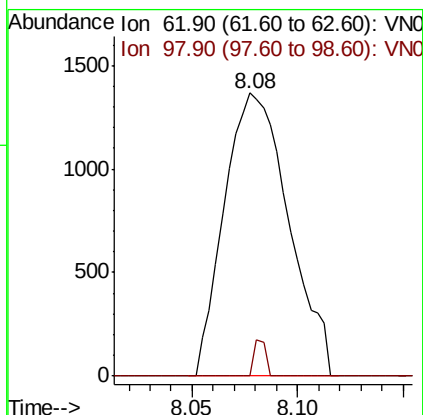
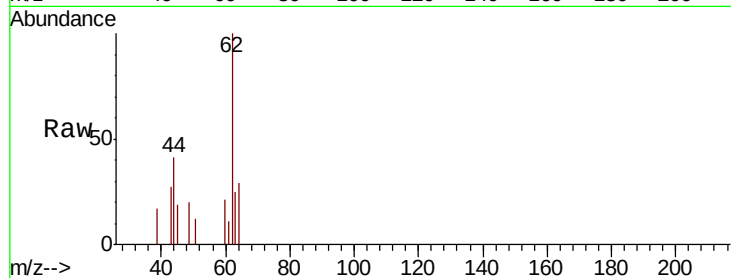
VSTDIC001

Tot Ion: 62 Resp: 2904

Ion Ratio Lower Upper

62 100

98 2.2 0.0 13.6



#43

Isopropyl Acetate

Concen: 0.486 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

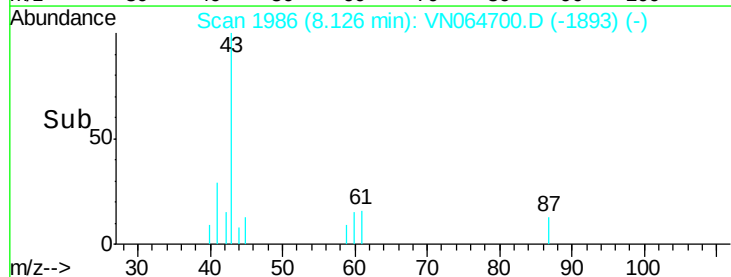
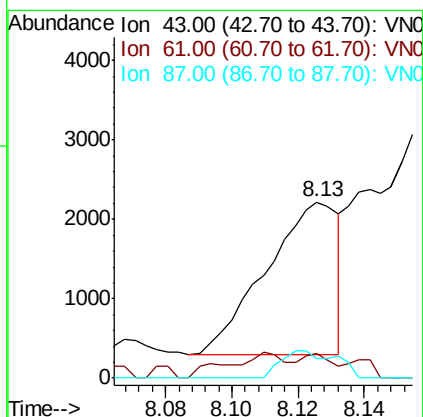
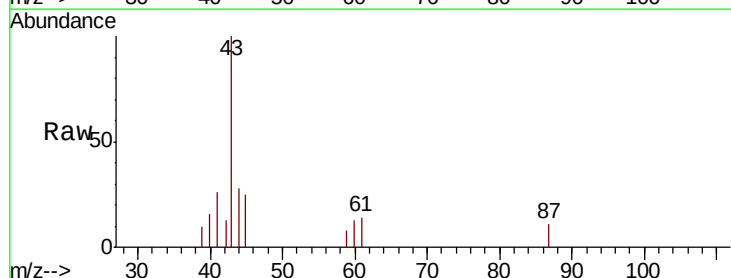
Tgt Ion: 43 Resp: 2899

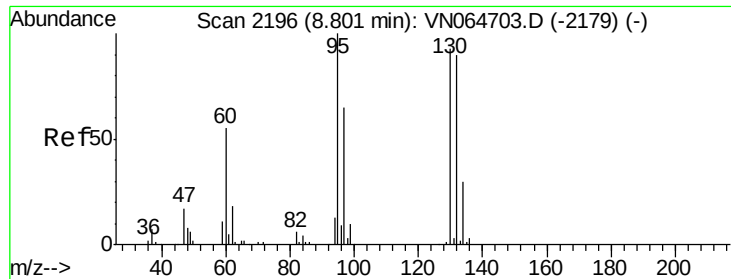
Ion Ratio Lower Upper

43 100

61 2.7 14.1 21.1#

87 13.9 9.1 13.7#





#44

Trichloroethene

Concen: 0.891 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

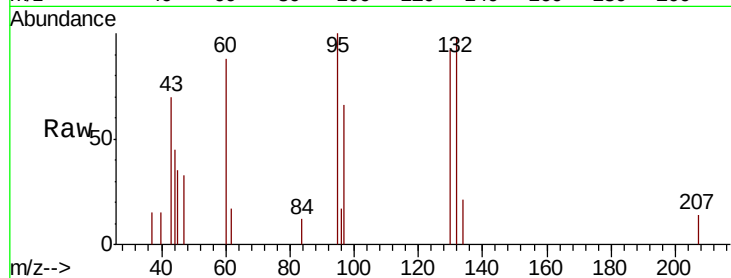
VSTDIC001

Tot Ion:130 Resp: 2465

Ion Ratio Lower Upper

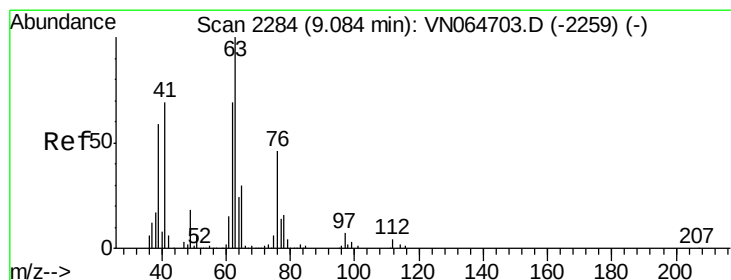
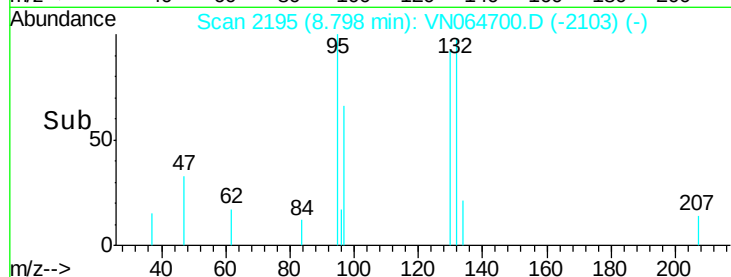
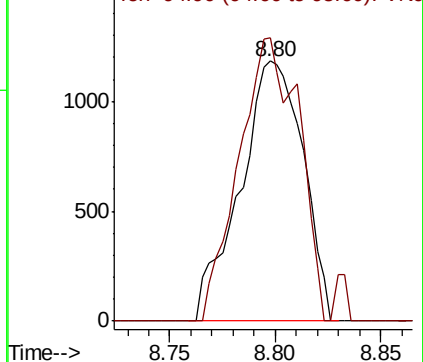
130 100

95 109.0 0.0 214.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#45

1,2-Dichloropropane

Concen: 0.737 ug/l

RT: 9.08 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN064700.D

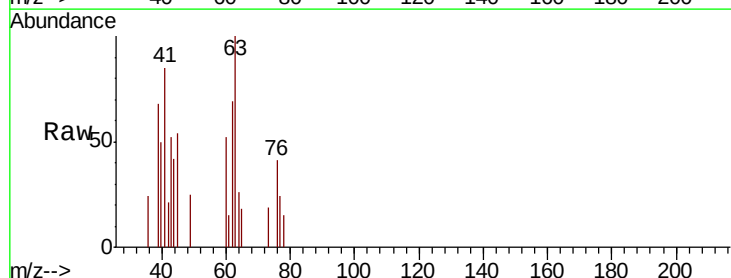
Acq: 18 Nov 2020 11:39

Tgt Ion: 63 Resp: 2126

Ion Ratio Lower Upper

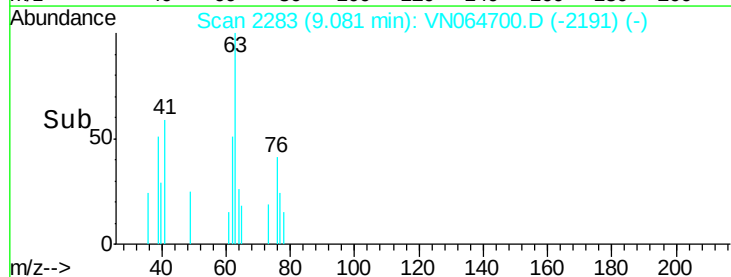
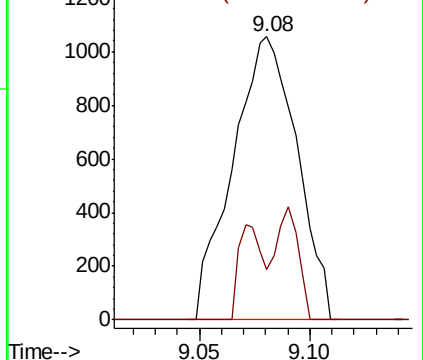
63 100

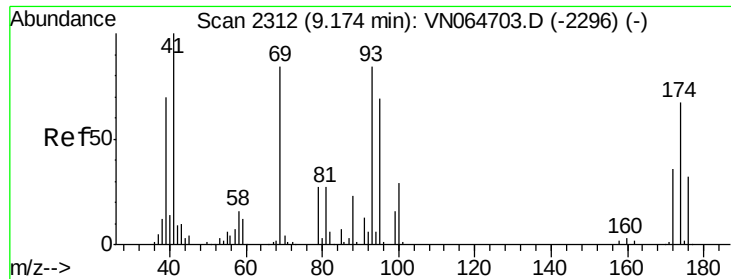
65 18.0 24.0 36.0#



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

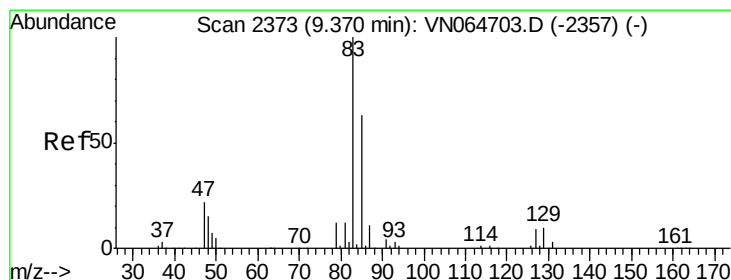
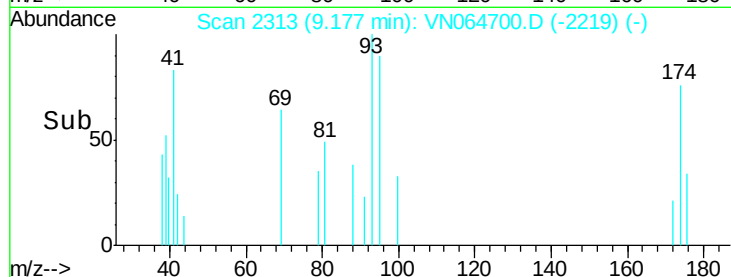
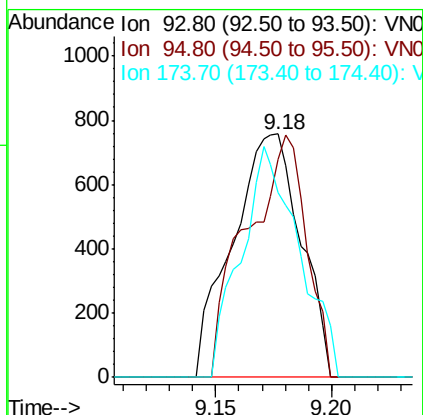
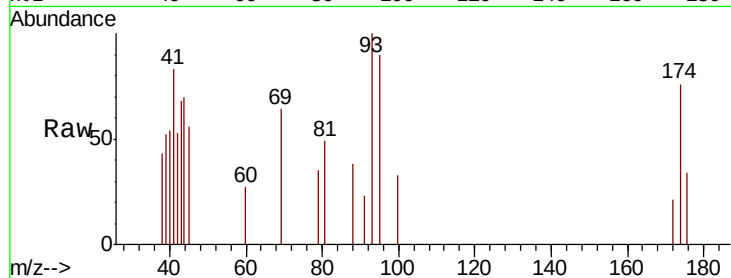




#46
Dibromomethane
Concen: 0.805 ug/l
RT: 9.18 min Scan# 2313
Delta R.T. 0.00 min
Lab File: VN064700.D
Acq: 18 Nov 2020 11:39

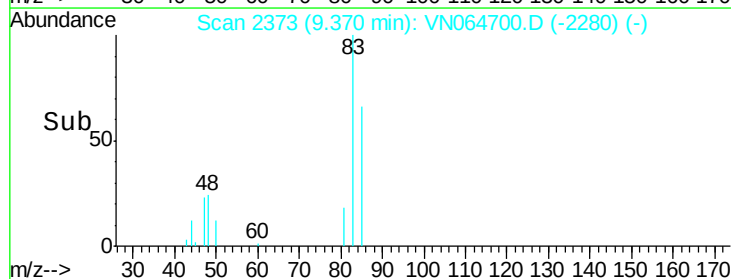
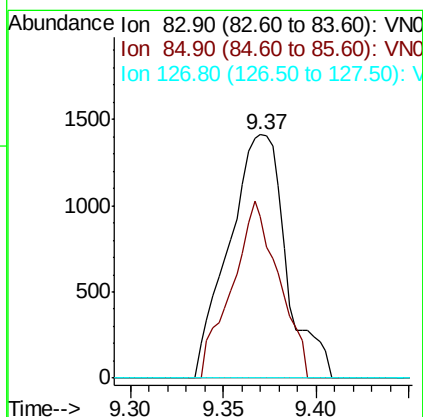
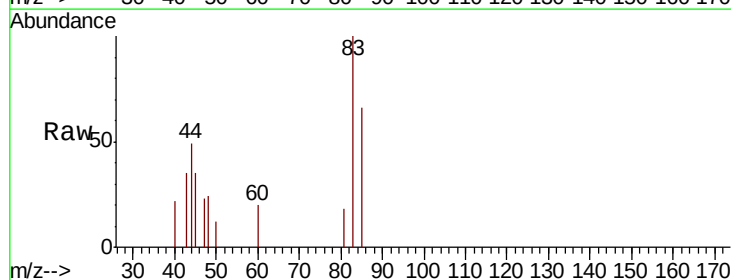
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

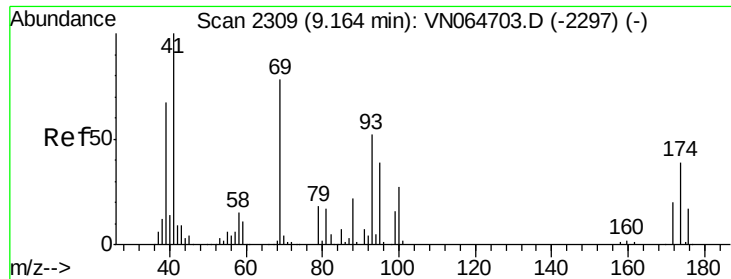
Tot Ion: 93 Resp: 1554
Ion Ratio Lower Upper
93 100
95 87.0 64.6 97.0
174 80.2 64.3 96.5



#47
Bromodichloromethane
Concen: 0.736 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN064700.D
Acq: 18 Nov 2020 11:39

Tgt Ion: 83 Resp: 3036
Ion Ratio Lower Upper
83 100
85 66.4 50.8 76.2
127 0.0 7.0 10.4#

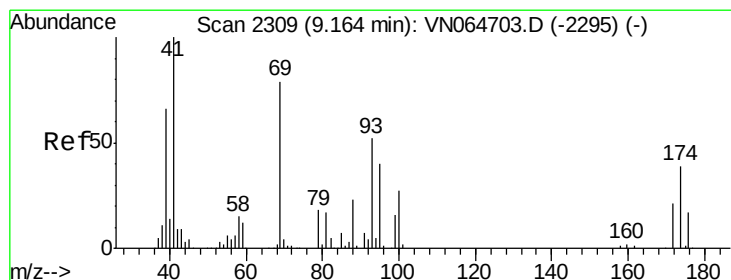
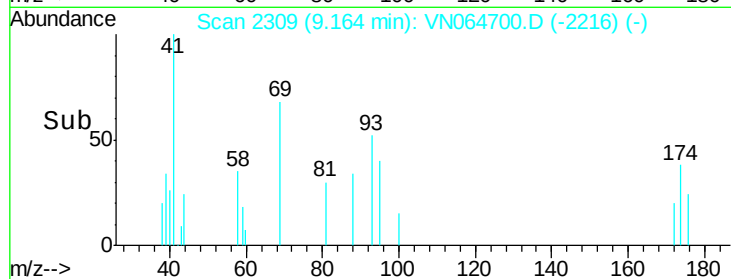
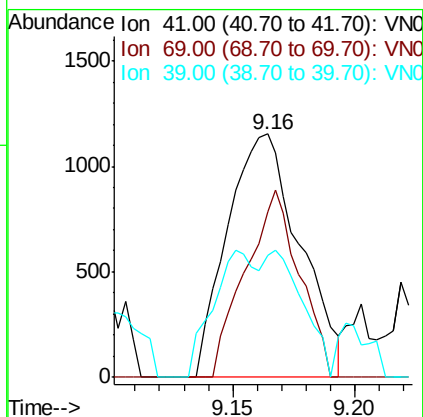
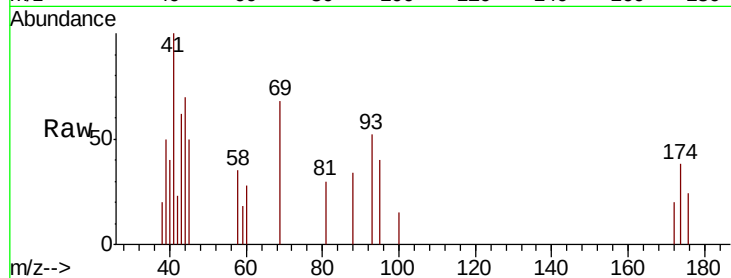




#48
Methvl methacrylate
Concen: 0.790 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064700.D
Acq: 18 Nov 2020 11:39

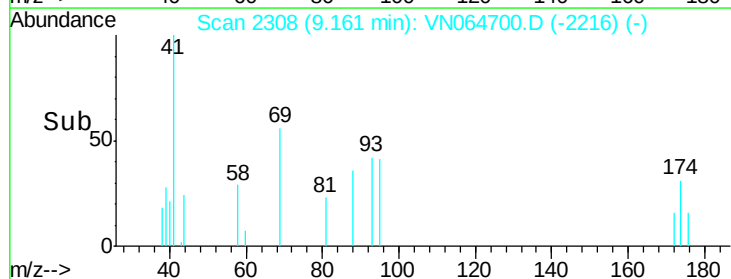
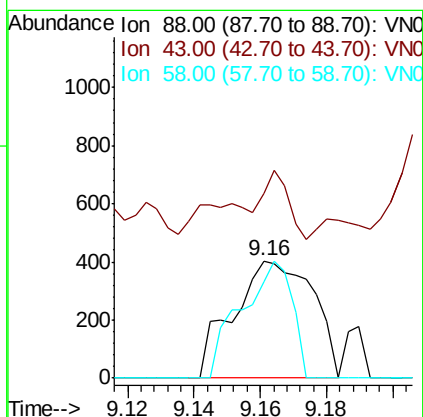
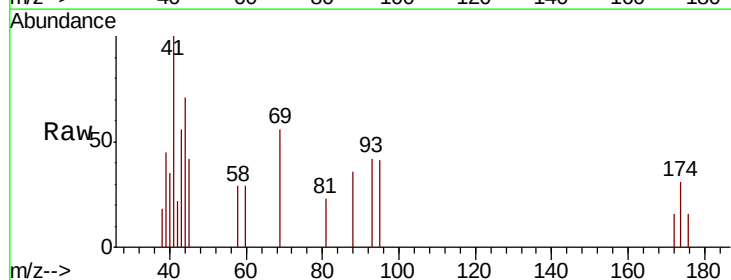
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

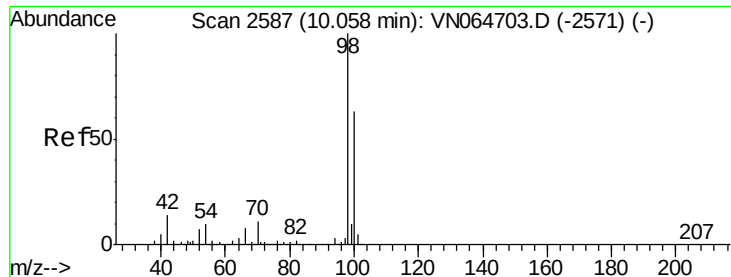
Tot Ion: 41 Resp: 2374
Ion Ratio Lower Upper
41 100
69 57.2 62.3 93.5#
39 32.4 55.1 82.7#



#49
1,4-Dioxane
Concen: 17.349 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN064700.D
Acq: 18 Nov 2020 11:39

Tgt Ion: 88 Resp: 677
Ion Ratio Lower Upper
88 100
43 17.9 31.3 46.9#
58 63.2 55.7 83.5





#50

Toluene-d8

Concen: 0.509 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

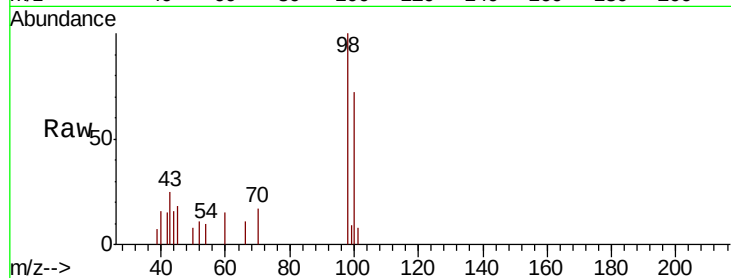
VSTDIC001

Tot Ion: 98 Resp: 4761

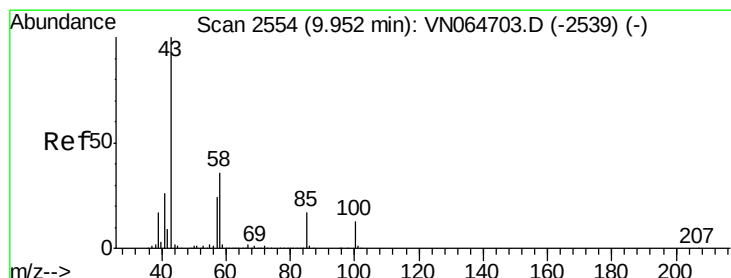
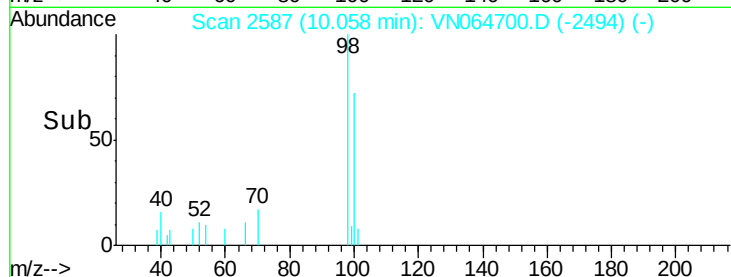
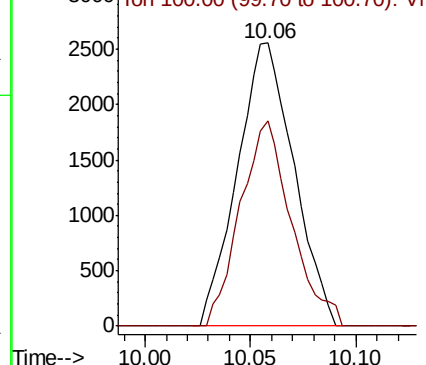
Ion Ratio Lower Upper

98 100

100 65.4 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN064700.D (-2494) (-)



#51

4-Methyl-2-Pentanone

Concen: 2.871 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064700.D

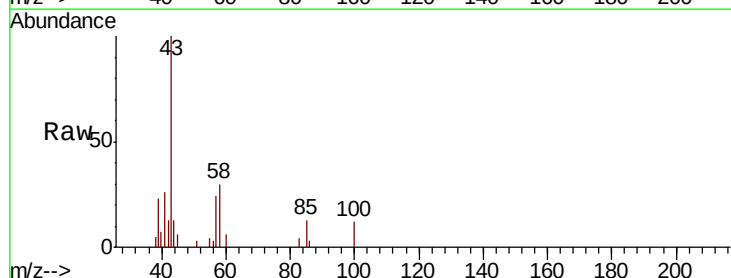
Acq: 18 Nov 2020 11:39

Tgt Ion: 43 Resp: 9938

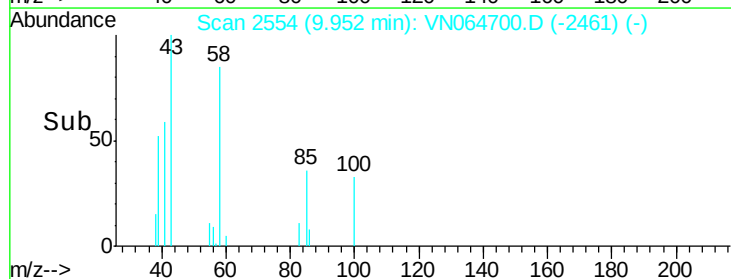
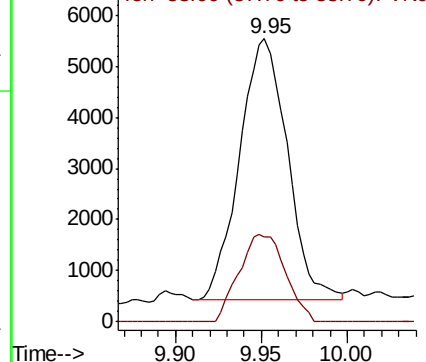
Ion Ratio Lower Upper

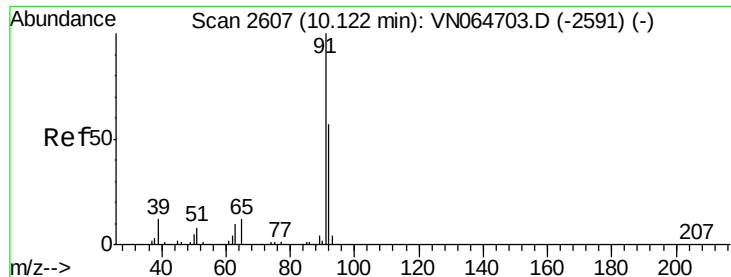
43 100

58 32.1 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN064700.D (-2461) (-)





#52

Toluene

Concen: 0.592 ug/l

RT: 10.12 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

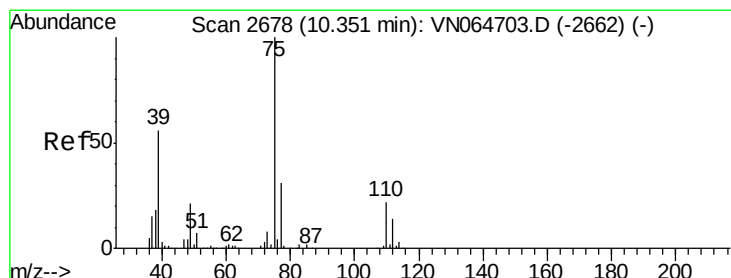
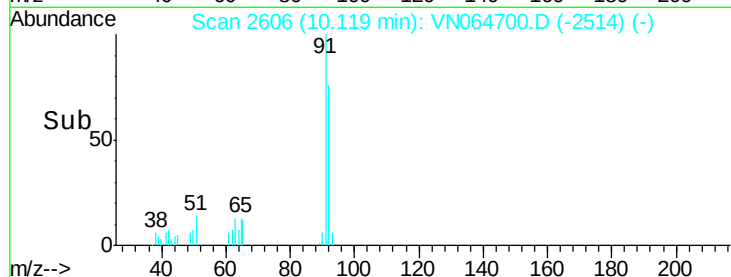
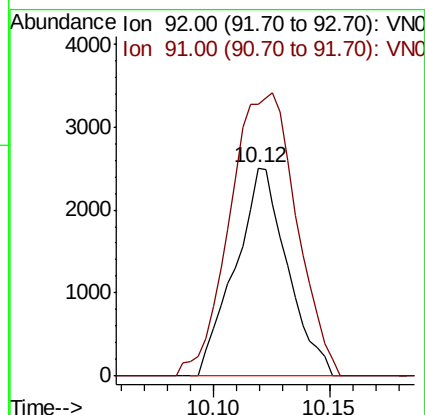
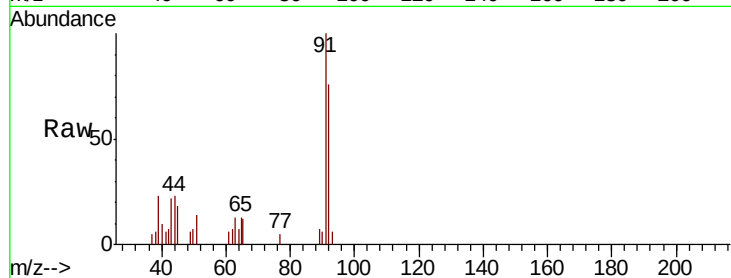
VSTDIC001

Tot Ion: 92 Resp: 3922

Ion Ratio Lower Upper

92 100

91 173.1 141.2 211.8



#53

t-1,3-Dichloropropene

Concen: 0.732 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064700.D

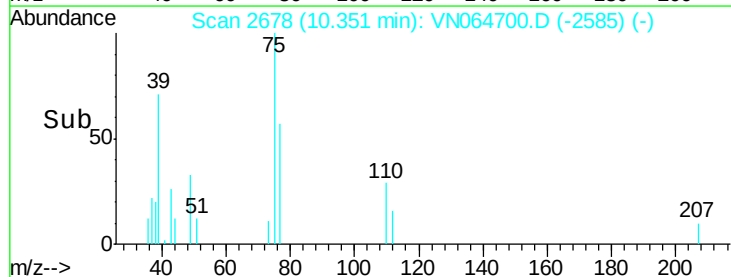
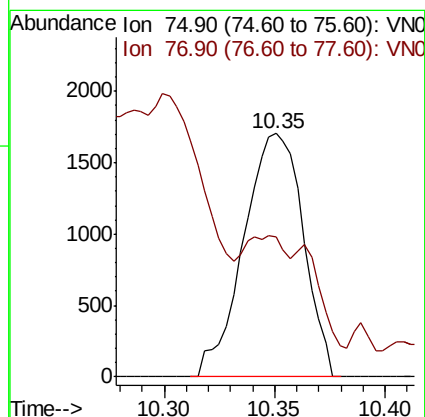
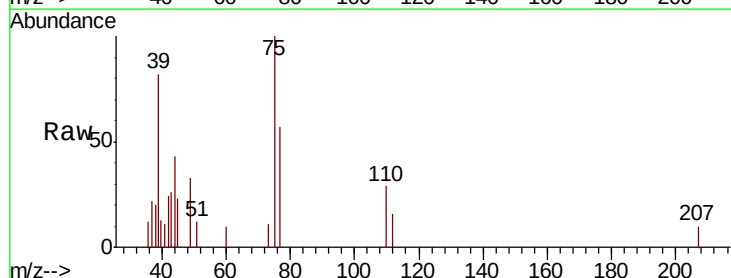
Acq: 18 Nov 2020 11:39

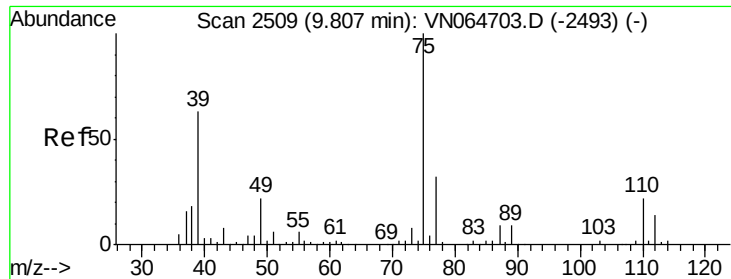
Tgt Ion: 75 Resp: 3186

Ion Ratio Lower Upper

75 100

77 44.7 25.4 38.0#





#54

cis-1,3-Dichloropropene

Concen: 0.663 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

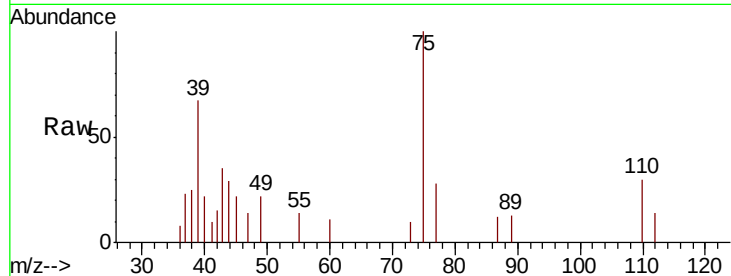
Tot Ion: 75 Resp: 3070

Ion Ratio Lower Upper

75 100

77 28.2 25.8 38.8

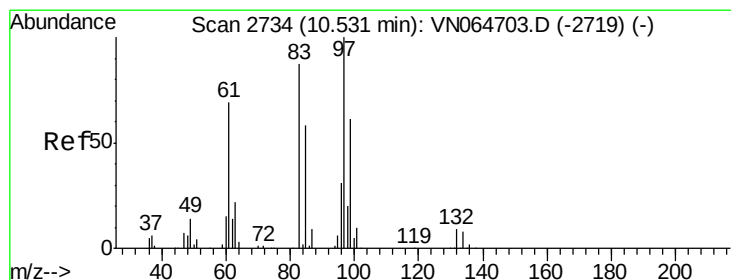
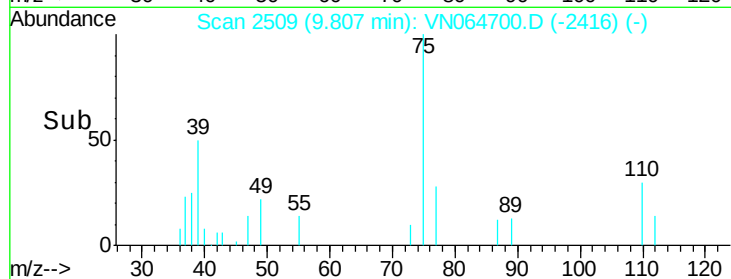
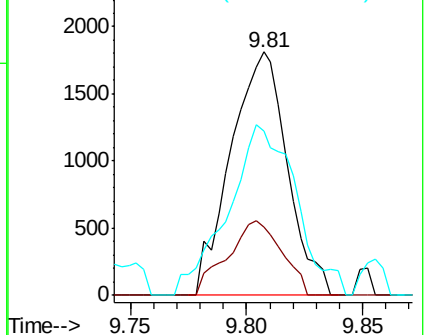
39 59.0 50.5 75.7



Abundance Ion 74.90 (74.60 to 75.60): VN064700.D (-2493) (-)

Ion 76.90 (76.60 to 77.60): VN064700.D (-2493) (-)

Ion 39.00 (38.70 to 39.70): VN064700.D (-2493) (-)



#55

1,1,2-Trichloroethane

Concen: 0.598 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Tgt Ion: 97 Resp: 1551

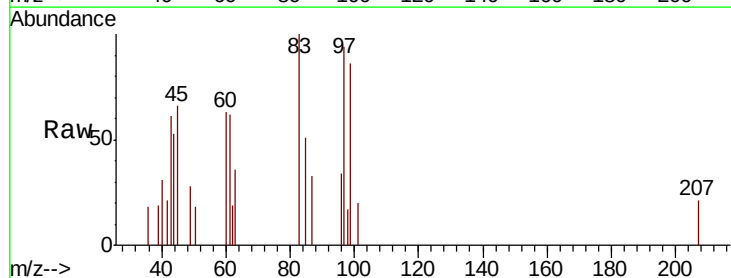
Ion Ratio Lower Upper

97 100

83 106.8 69.6 104.4#

85 55.0 46.6 70.0

99 92.0 48.9 73.3#

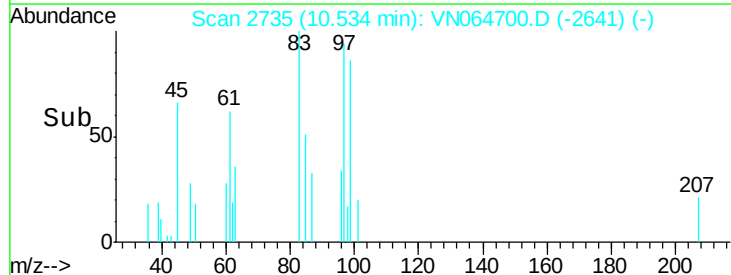
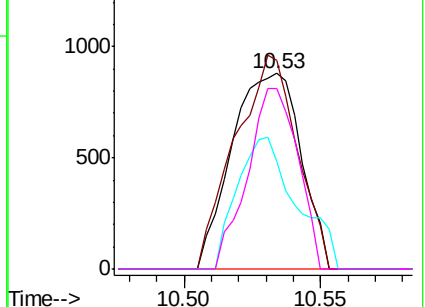


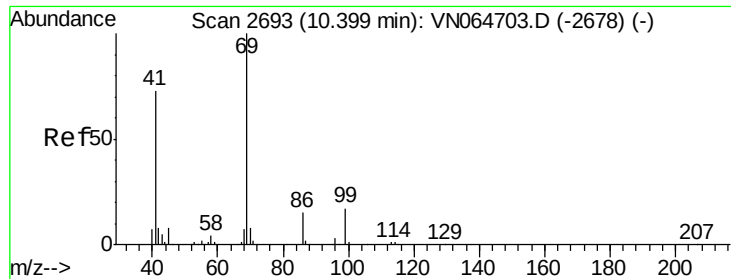
Abundance Ion 96.90 (96.60 to 97.60): VN064700.D (-2719) (-)

Ion 82.90 (82.60 to 83.60): VN064700.D (-2719) (-)

Ion 84.90 (84.60 to 85.60): VN064700.D (-2719) (-)

Ion 98.90 (98.60 to 99.60): VN064700.D (-2719) (-)





#56

Ethyl methacrylate

Concen: 0.473 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

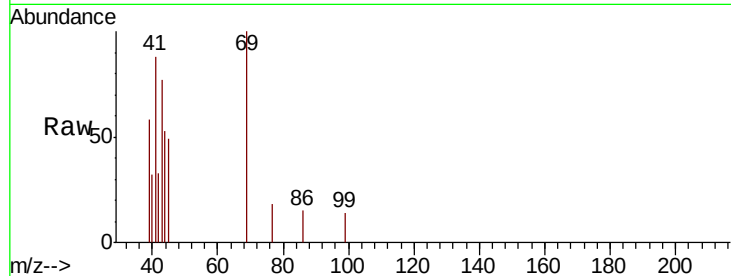
Tot Ion: 69 Resp: 1770

Ion Ratio Lower Upper

69 100

41 69.0 59.0 88.4

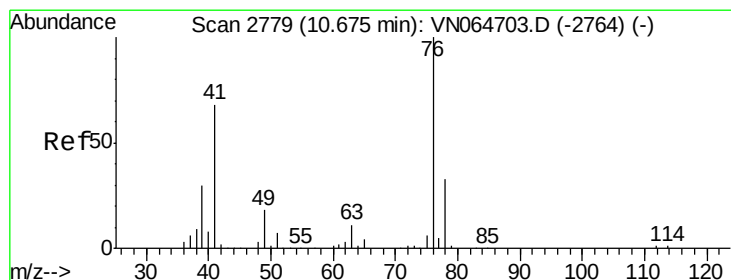
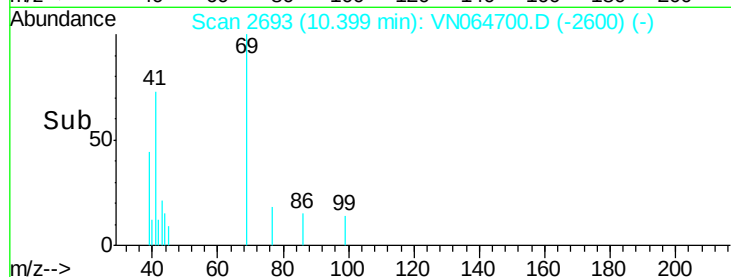
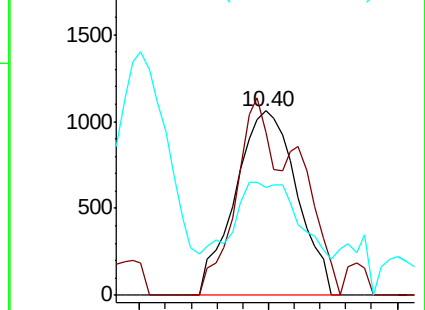
39 74.2 38.4 57.6#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.704 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064700.D

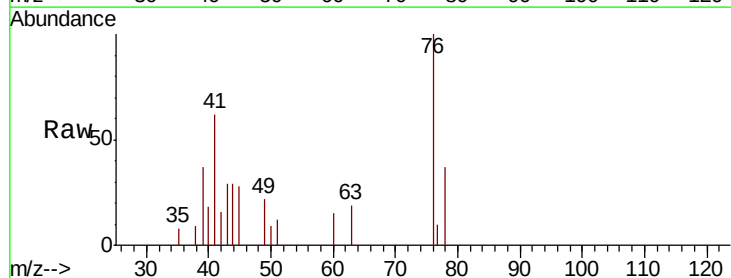
Acq: 18 Nov 2020 11:39

Tgt Ion: 76 Resp: 3179

Ion Ratio Lower Upper

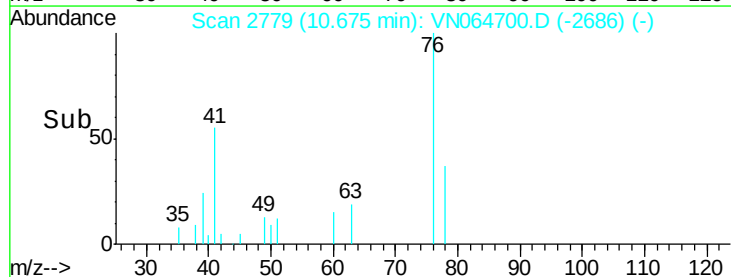
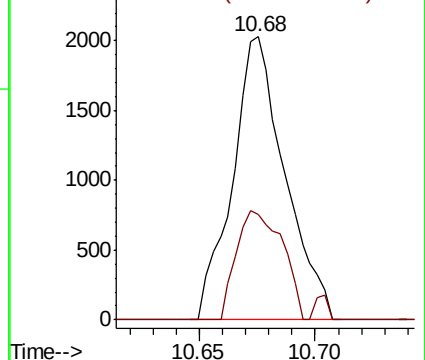
76 100

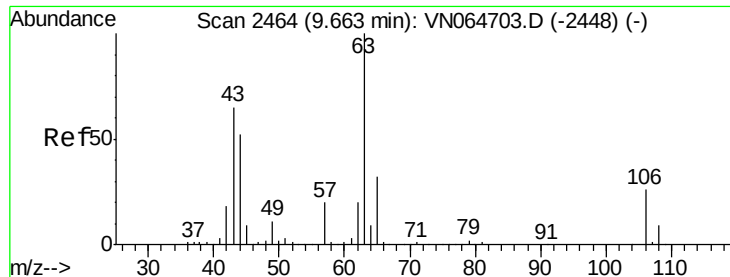
78 33.9 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

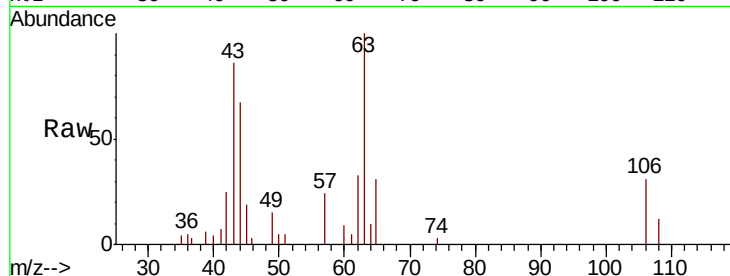




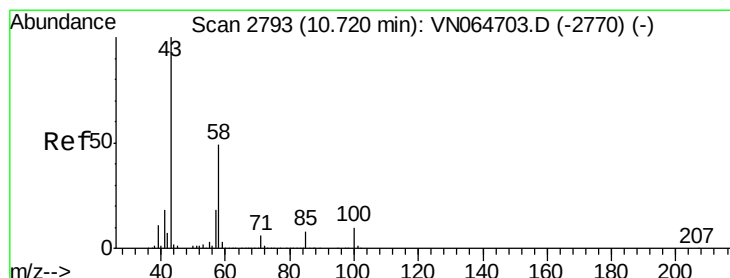
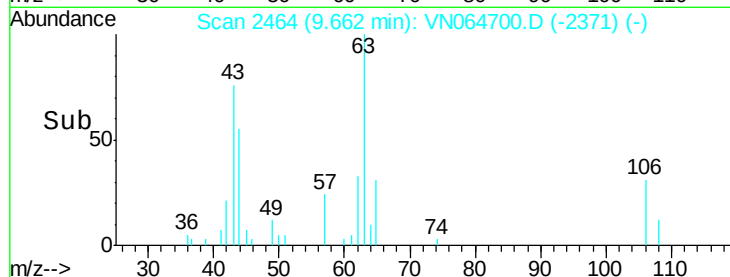
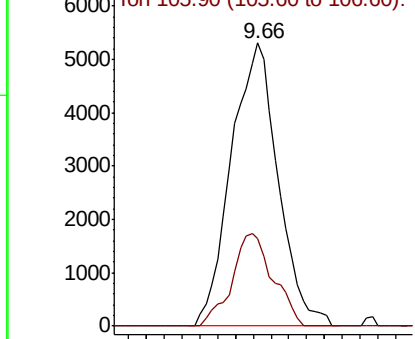
#58
2-Chloroethyl Vinyl ether
Concen: 5.138 ug/l
RT: 9.66 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN064700.D
Acq: 18 Nov 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 63 Resp: 9691
Ion Ratio Lower Upper
63 100
106 28.6 20.9 31.3

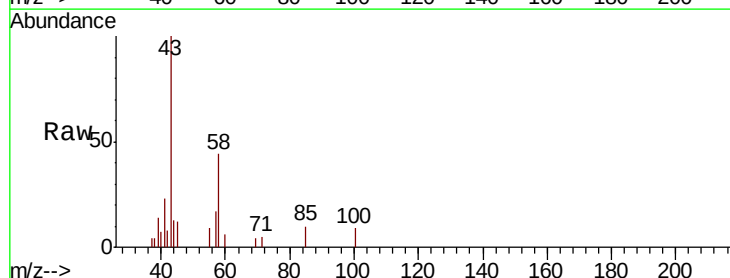


Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 105.90 (105.60 to 106.60): V

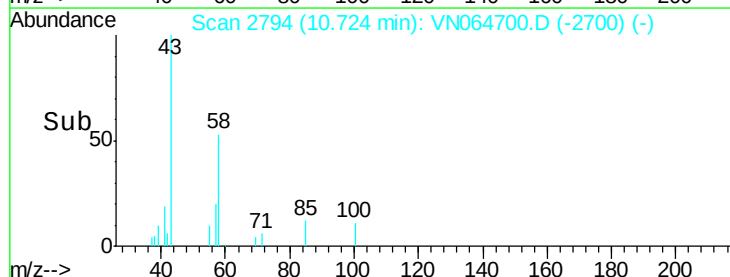
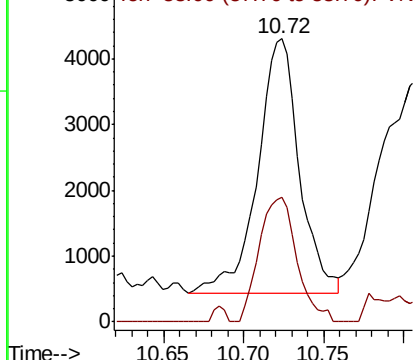


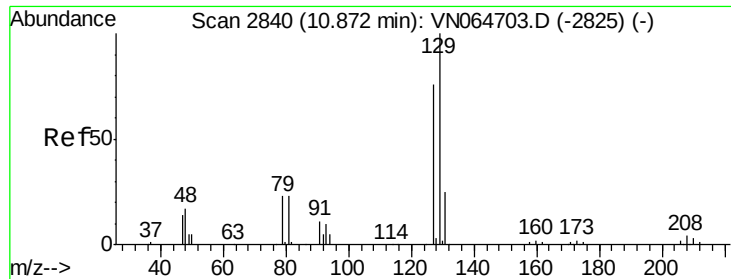
#59
2-Hexanone
Concen: 2.796 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064700.D
Acq: 18 Nov 2020 11:39

Tgt Ion: 43 Resp: 6994
Ion Ratio Lower Upper
43 100
58 44.1 24.4 73.4



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





#60

Dibromochloromethane

Concen: 0.592 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

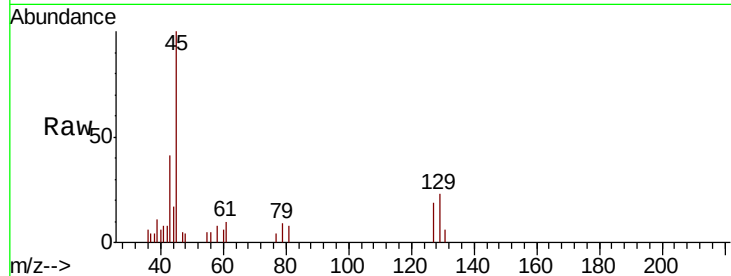
VSTDIC001

Tot Ion:129 Resp: 1720

Ion Ratio Lower Upper

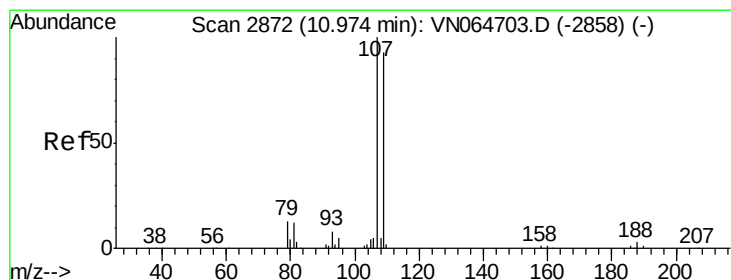
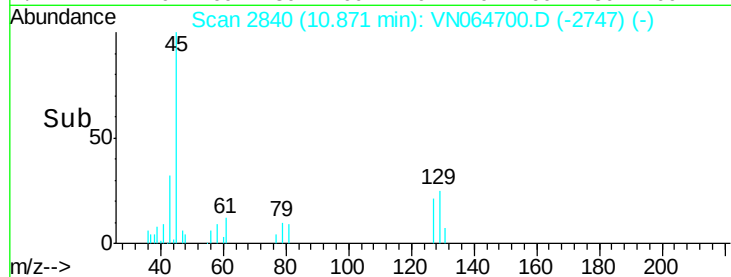
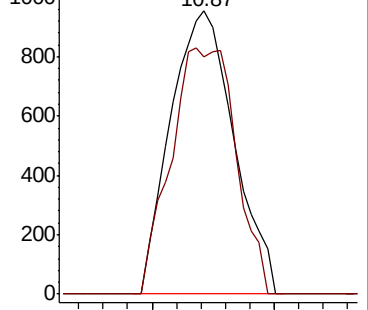
129 100

127 89.2 38.8 116.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.653 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN064700.D

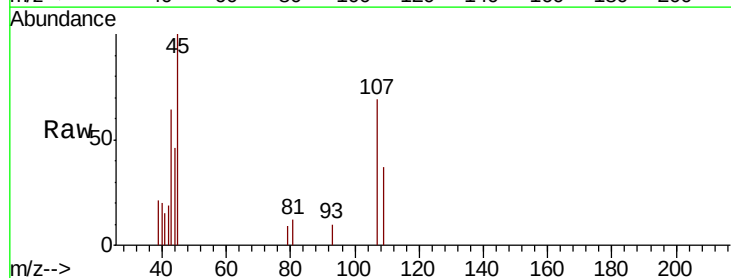
Acq: 18 Nov 2020 11:39

Tgt Ion:107 Resp: 1722

Ion Ratio Lower Upper

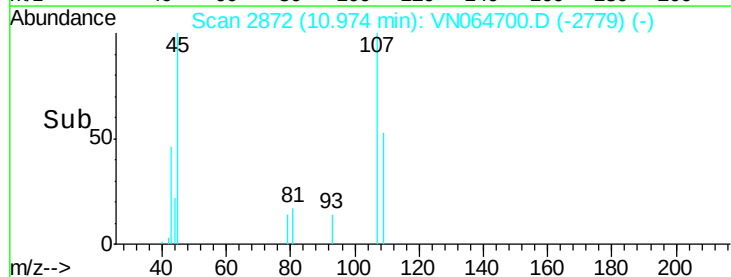
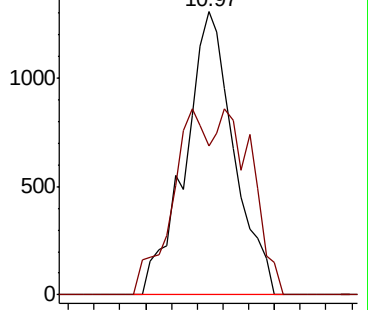
107 100

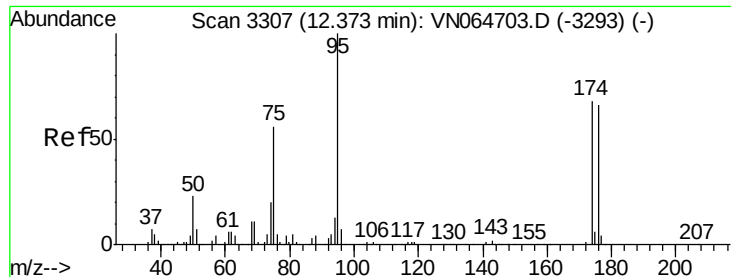
109 49.1 74.2 111.4#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

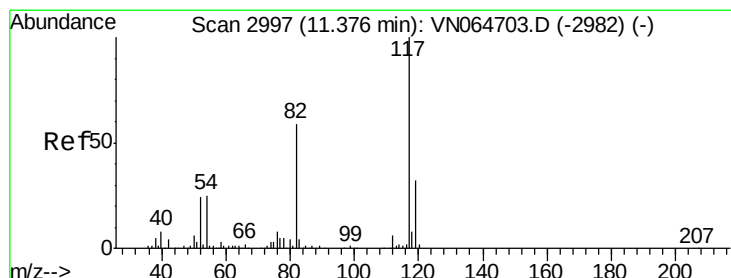
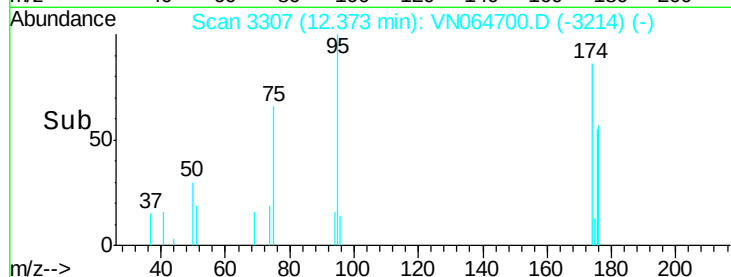
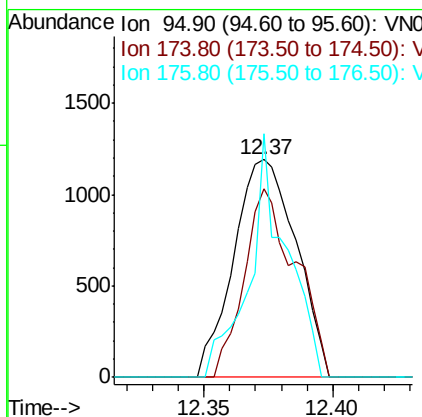
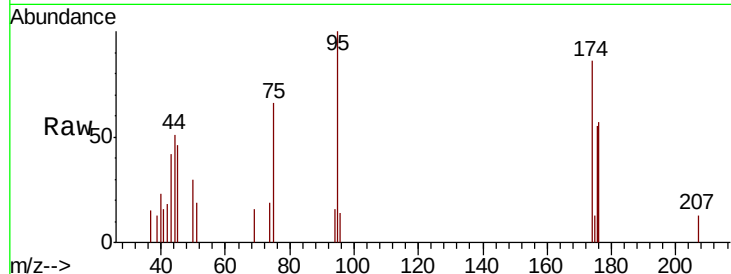




#62
4-Bromofluorobenzene
Concen: 0.573 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064700.D
Acq: 18 Nov 2020 11:39

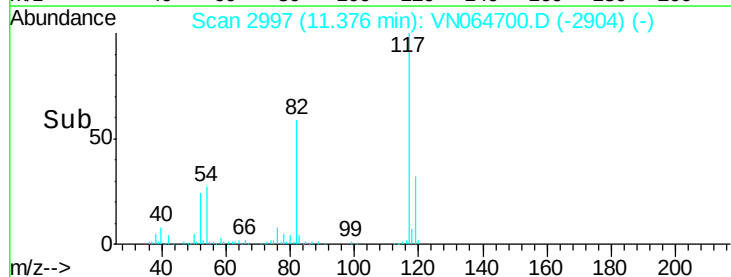
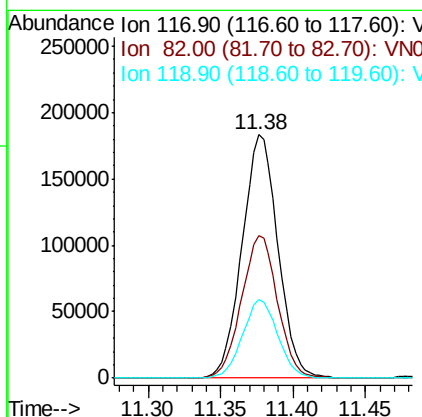
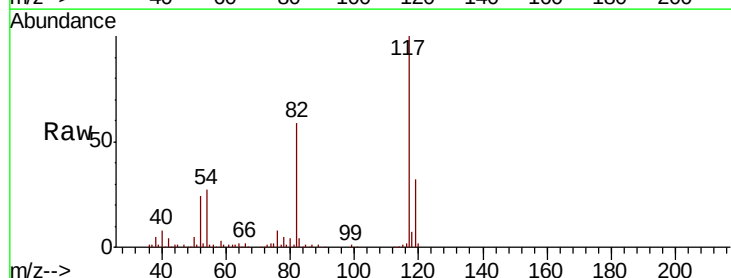
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

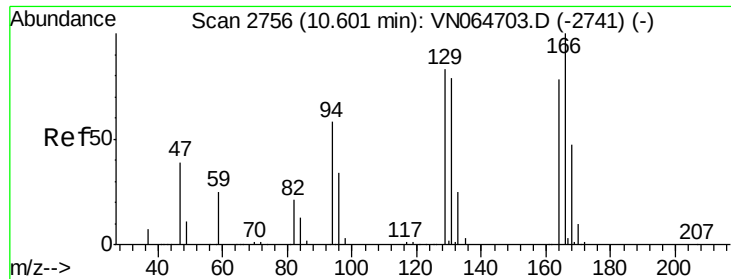
Tot Ion: 95 Resp: 2018
Ion Ratio Lower Upper
95 100
174 71.4 0.0 136.8
176 66.2 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064700.D
Acq: 18 Nov 2020 11:39

Tgt Ion: 117 Resp: 315643
Ion Ratio Lower Upper
117 100
82 58.7 47.0 70.6
119 32.2 25.4 38.2





#64

Tetrachloroethene

Concen: 0.861 ug/l

RT: 10.60 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 2127

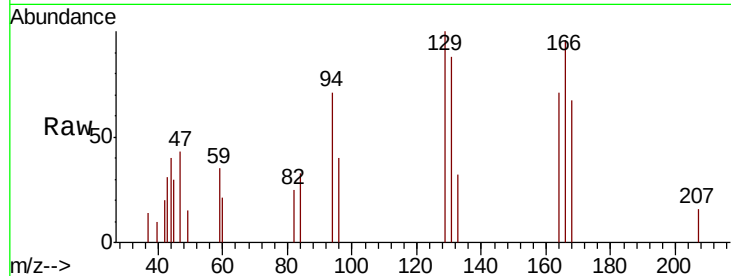
Ion Ratio Lower Upper

164 100

166 136.4 102.2 153.4

129 141.4 84.7 127.1#

131 124.6 81.1 121.7#



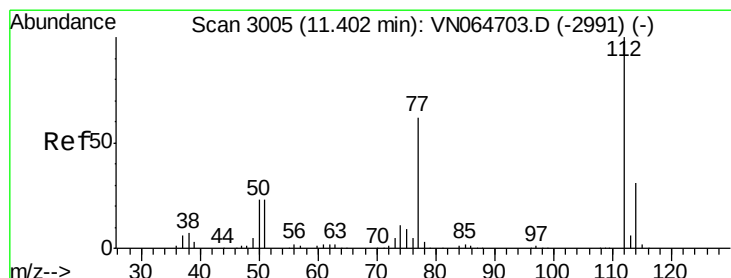
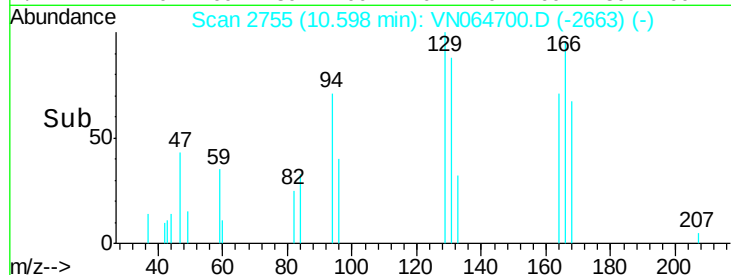
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time--> 10.55 10.60



#65

Chlorobenzene

Concen: 0.735 ug/l

RT: 11.40 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VN064700.D

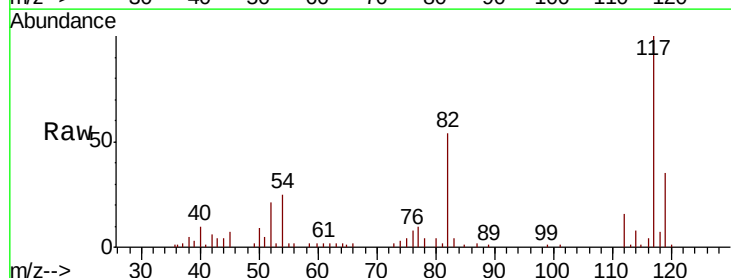
Acq: 18 Nov 2020 11:39

Tgt Ion:112 Resp: 5021

Ion Ratio Lower Upper

112 100

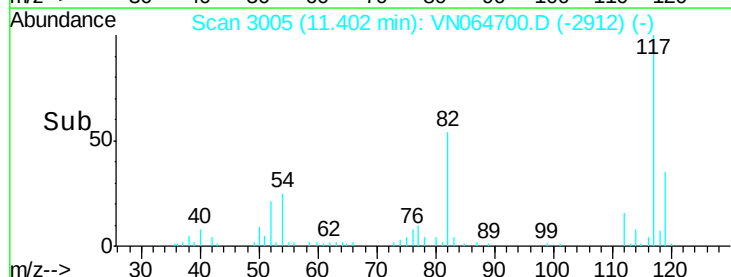
114 47.5 24.7 37.1#

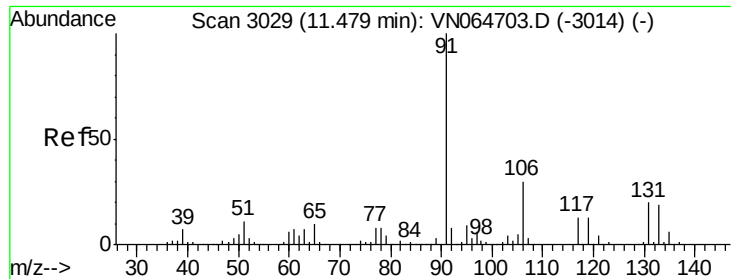


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

Time--> 11.35 11.40 11.45





#66

1,1,1,2-Tetrachloroethane

Concen: 0.589 ug/l

RT: 11.47 min Scan# 3027

Delta R.T. -0.01 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

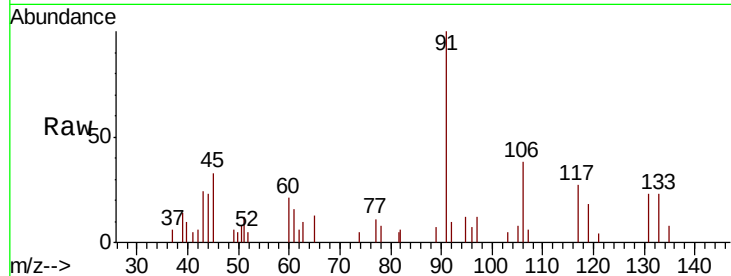
Tot Ion:131 Resp: 1497

Ion Ratio Lower Upper

131 100

133 115.1 48.8 146.4

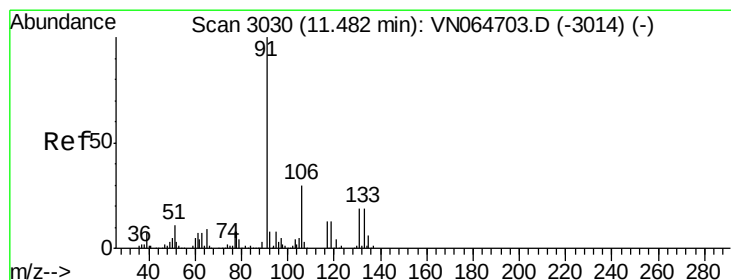
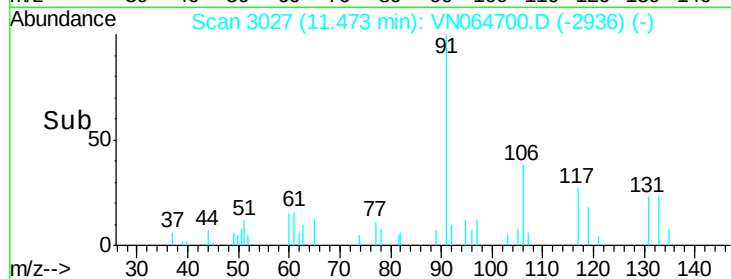
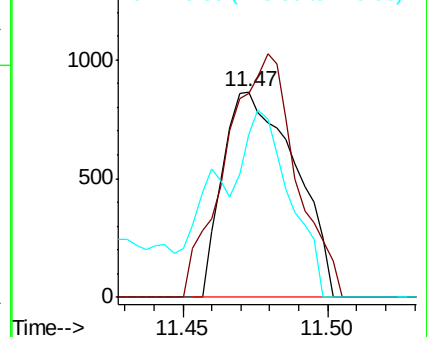
119 0.0 33.5 100.4#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.660 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064700.D

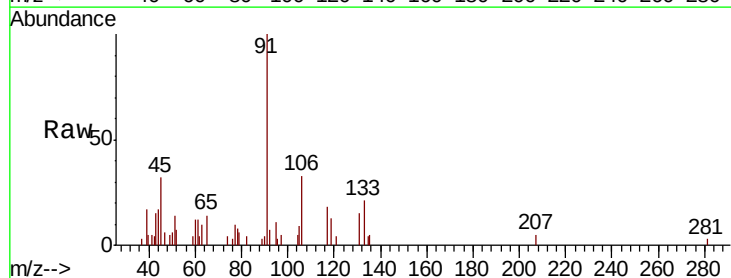
Acq: 18 Nov 2020 11:39

Tgt Ion: 91 Resp: 7964

Ion Ratio Lower Upper

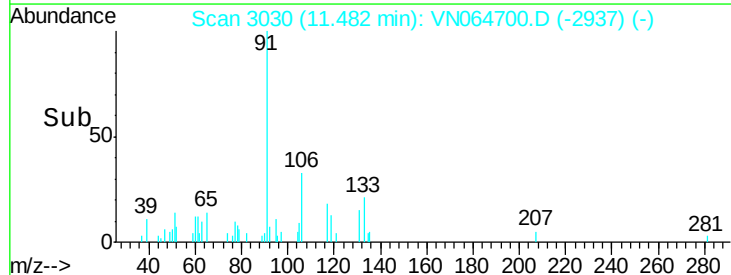
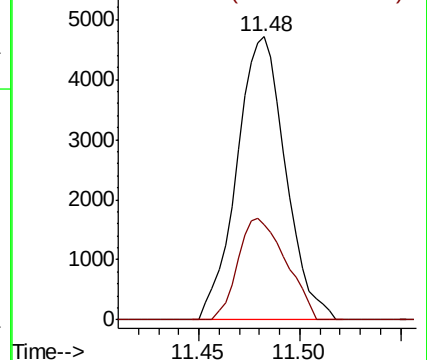
91 100

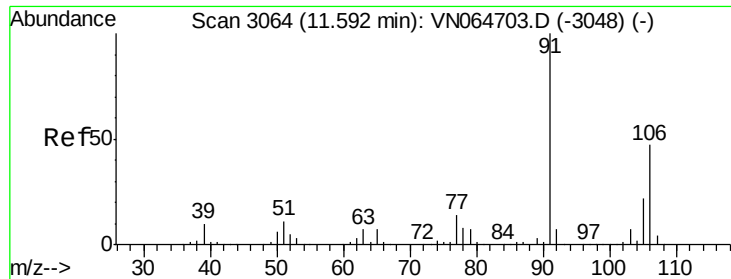
106 33.5 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 1.209 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

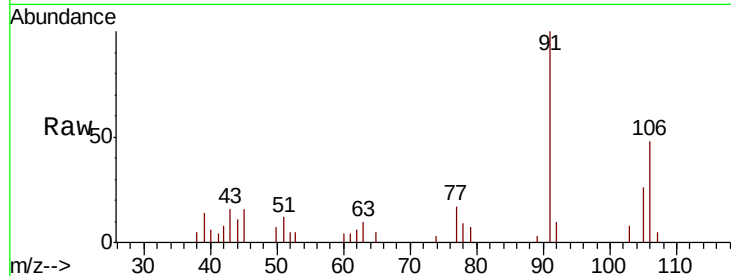
VSTDIC001

Tot Ion:106 Resp: 5310

Ion Ratio Lower Upper

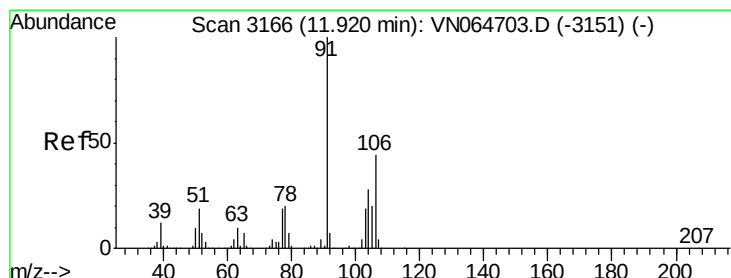
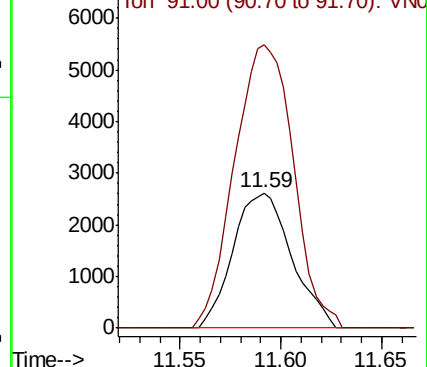
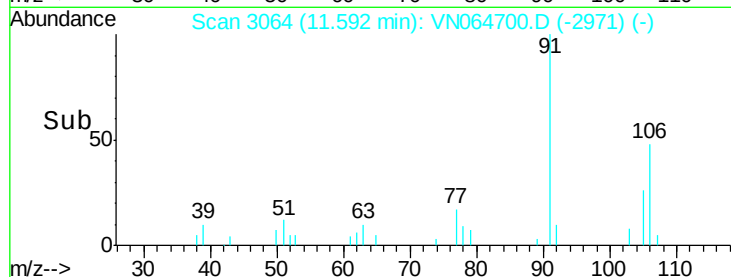
106 100

91 210.9 171.9 257.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 0.691 ug/l

RT: 11.92 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN064700.D

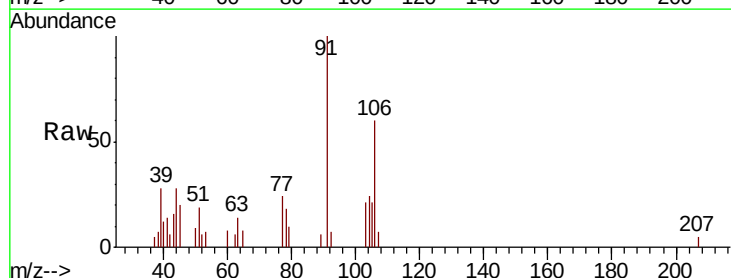
Acq: 18 Nov 2020 11:39

Tgt Ion:106 Resp: 2930

Ion Ratio Lower Upper

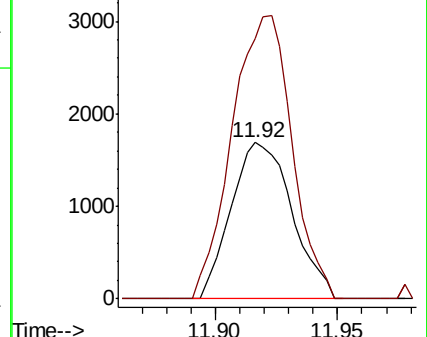
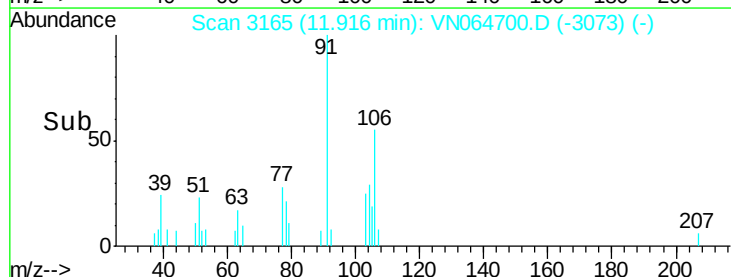
106 100

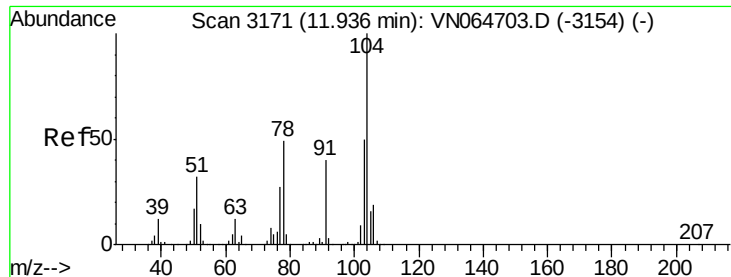
91 177.8 112.1 336.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

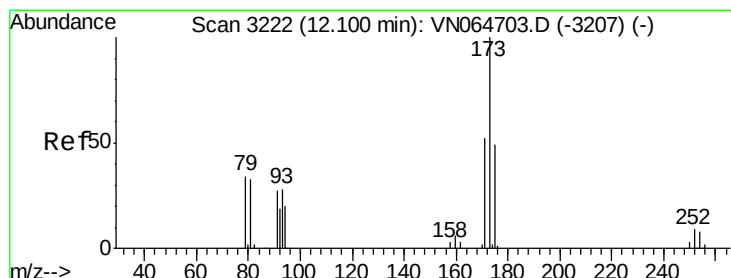
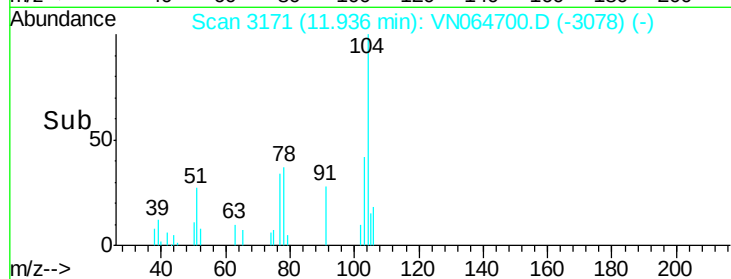
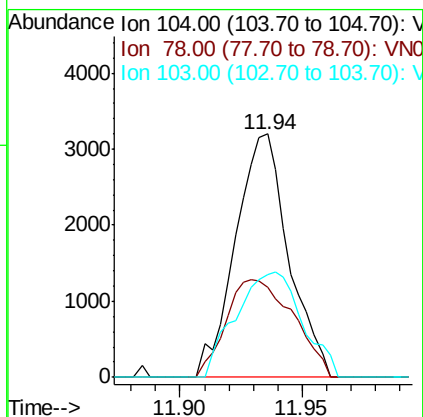
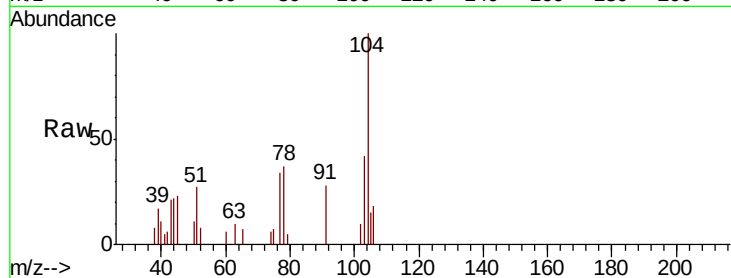




#70
Stvrene
Concen: 0.675 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064700.D
Acq: 18 Nov 2020 11:39

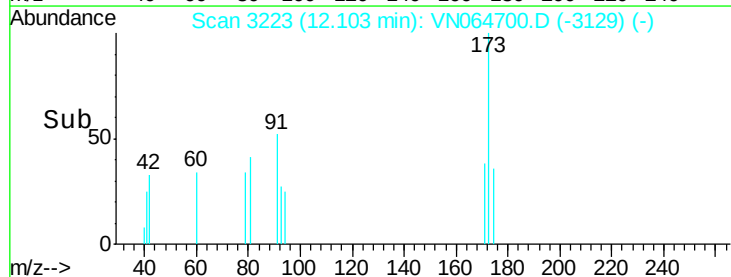
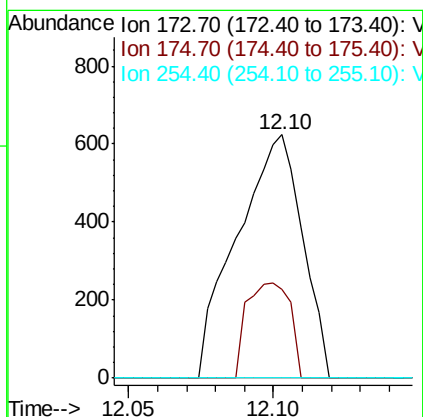
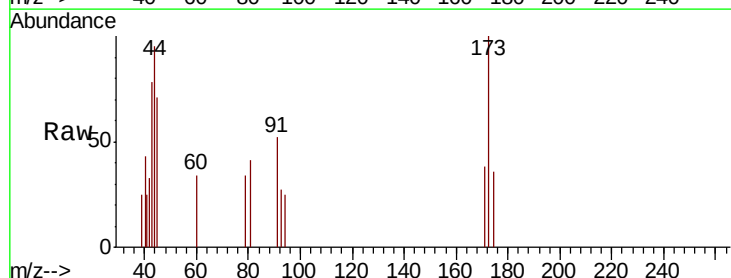
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

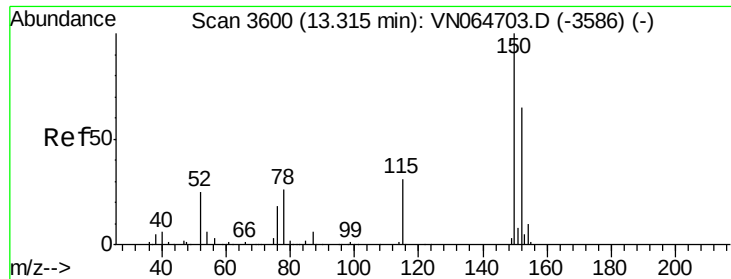
Tot Ion:104 Resp: 4823
Ion Ratio Lower Upper
104 100
78 50.7 44.1 66.1
103 54.3 43.7 65.5



#71
Bromoform
Concen: 0.570 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN064700.D
Acq: 18 Nov 2020 11:39

Tgt Ion:173 Resp: 975
Ion Ratio Lower Upper
173 100
175 25.8 24.3 72.9
254 0.0 0.1 0.1#

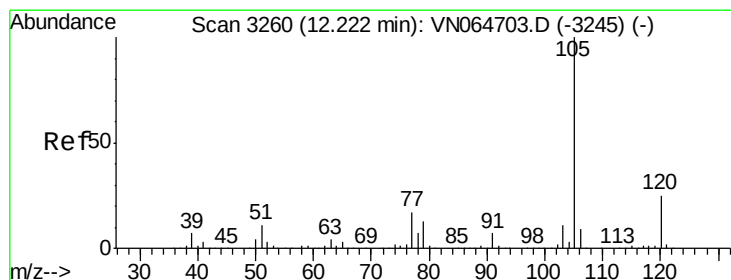
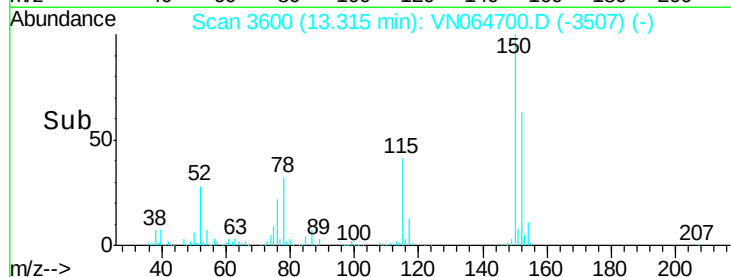
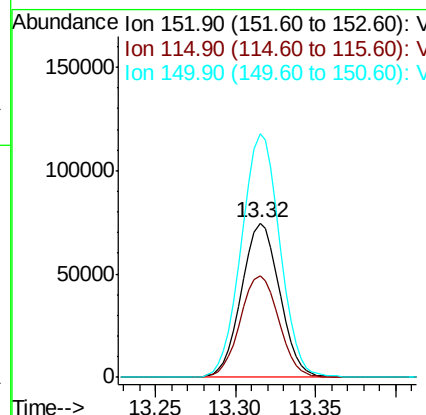
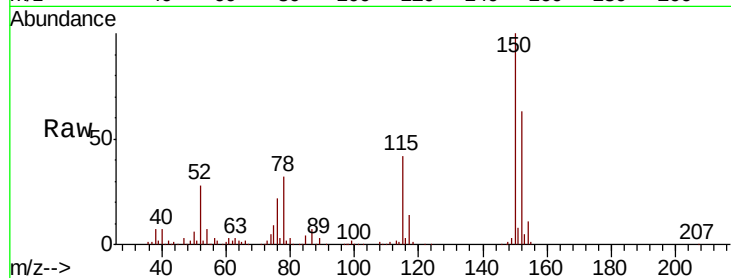




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VN064700.D
 Acq: 18 Nov 2020 11:39

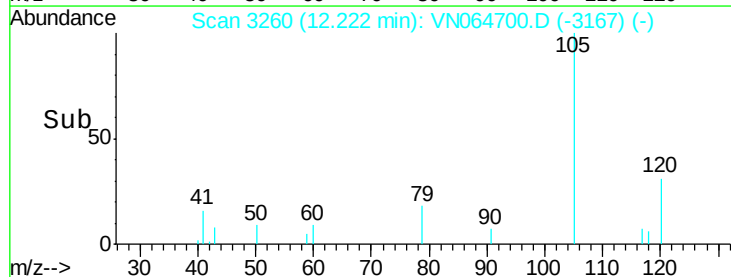
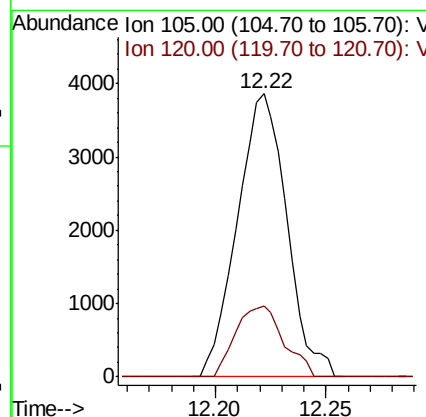
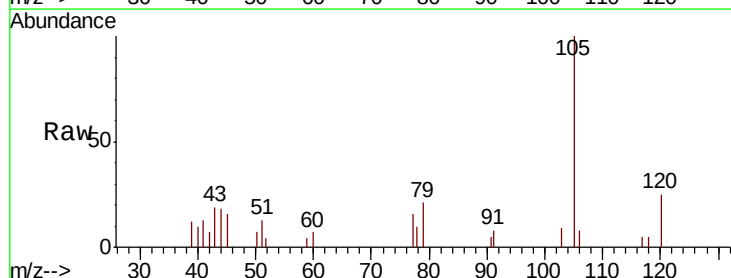
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

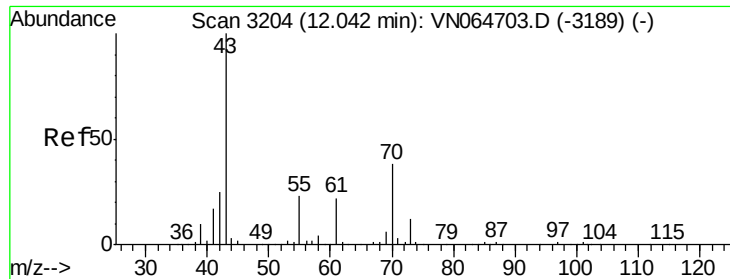
Tot Ion:152 Resp: 121526
 Ion Ratio Lower Upper
 152 100
 115 66.5 32.1 96.3
 150 159.0 0.0 344.8



#73
 Isopropylbenzene
 Concen: 0.638 ug/l
 RT: 12.22 min Scan# 3260
 Delta R.T. -0.00 min
 Lab File: VN064700.D
 Acq: 18 Nov 2020 11:39

Tgt Ion:105 Resp: 6001
 Ion Ratio Lower Upper
 105 100
 120 24.2 12.8 38.3





#74

N-amvl acetate

Concen: 0.646 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 2653

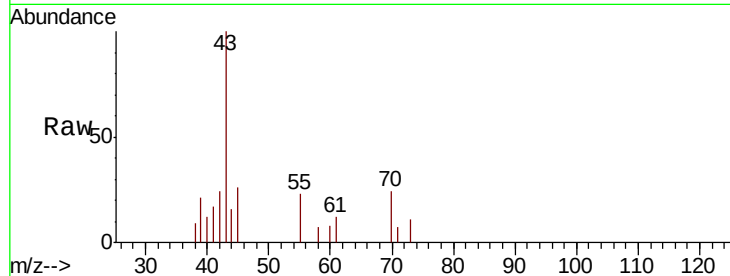
Ion Ratio Lower Upper

43 100

70 38.5 30.3 45.5

55 26.4 18.9 28.3

61 24.0 17.7 26.5

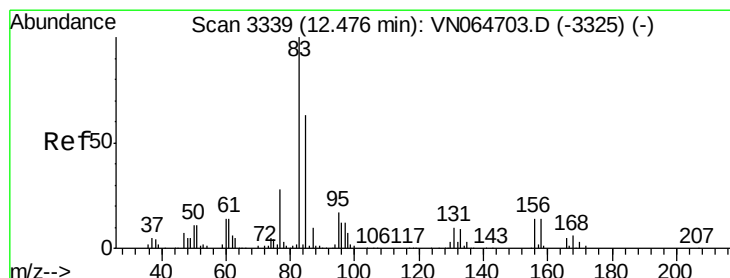
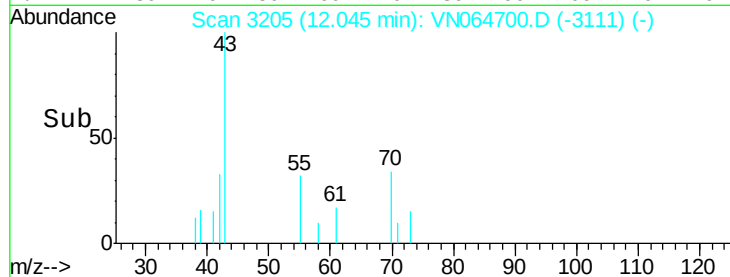
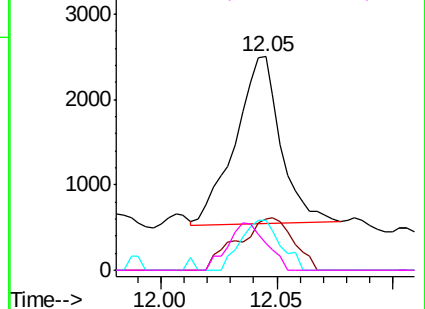


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.779 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

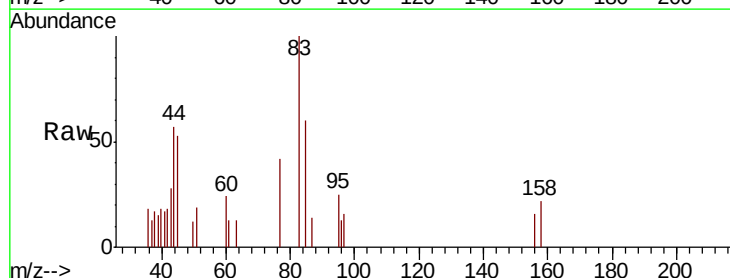
Tgt Ion: 83 Resp: 2233

Ion Ratio Lower Upper

83 100

131 5.9 5.0 15.0

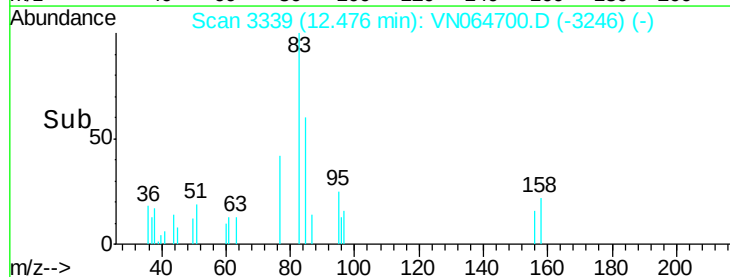
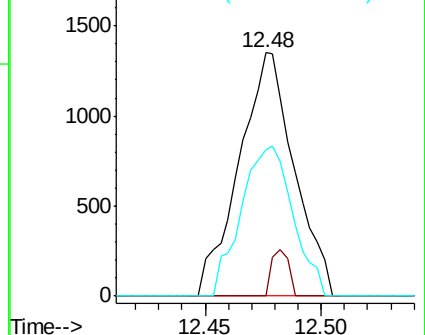
85 57.9 31.8 95.4

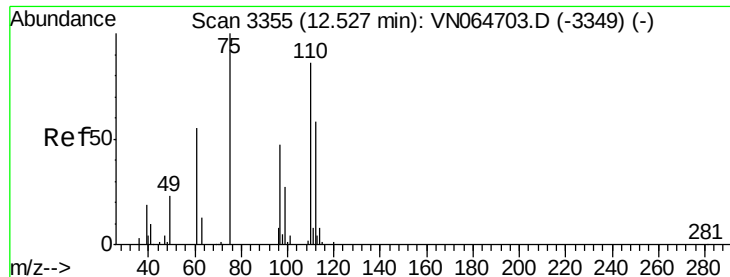


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

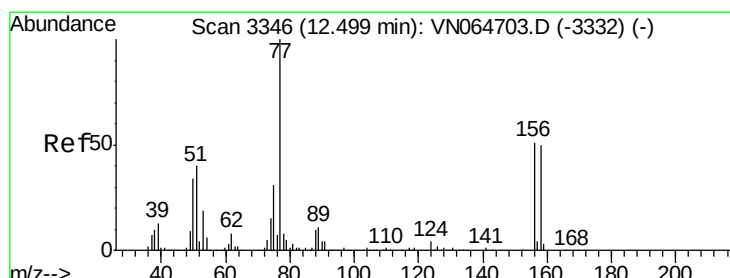
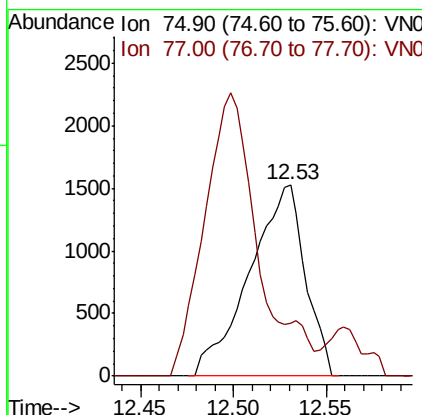
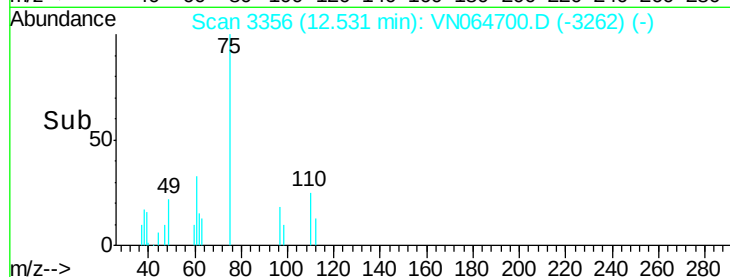
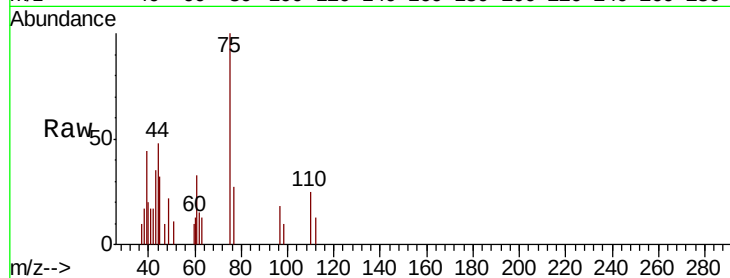




#76
 1,2,3-Trichloropropane
 Concen: 1.113 ug/l
 RT: 12.53 min Scan# 3356
 Delta R.T. 0.00 min
 Lab File: VN064700.D
 Acq: 18 Nov 2020 11:39

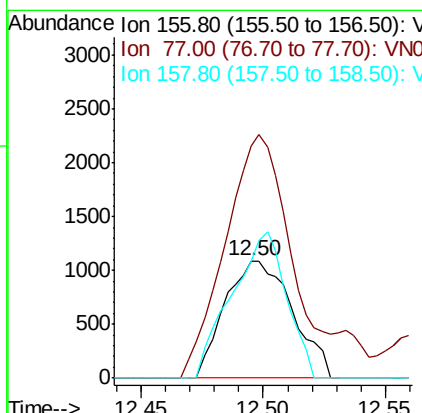
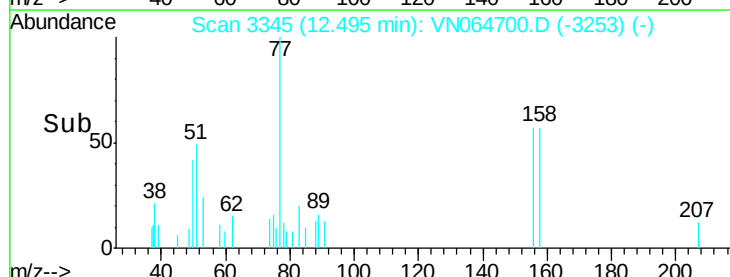
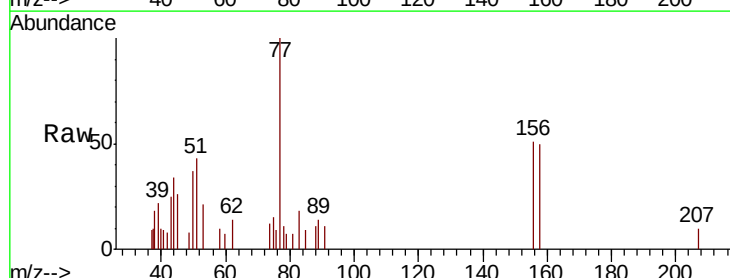
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

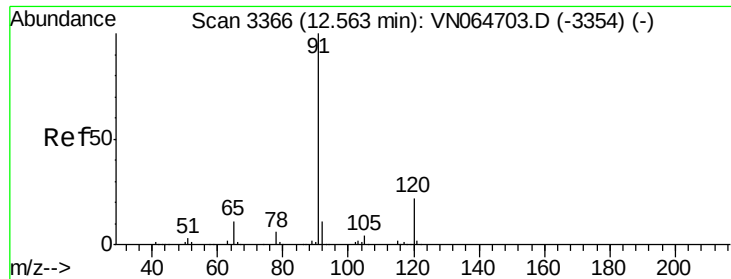
Tot Ion: 75 Resp: 3196
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 0.905 ug/l
 RT: 12.50 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN064700.D
 Acq: 18 Nov 2020 11:39

Tgt Ion: 156 Resp: 2093
 Ion Ratio Lower Upper
 156 100
 77 200.6 117.3 351.9
 158 100.9 49.0 147.2





#78

n-propylbenzene

Concen: 0.714 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampled :

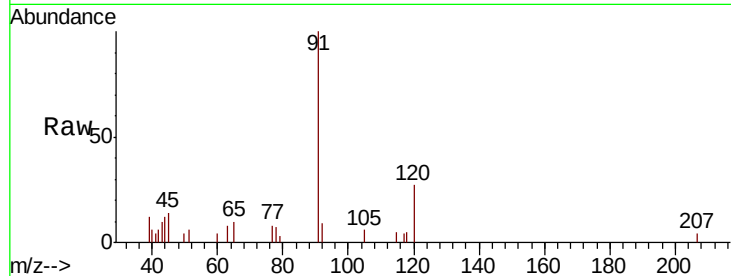
VSTDIC001

Tot Ion: 91 Resp: 7671

Ion Ratio Lower Upper

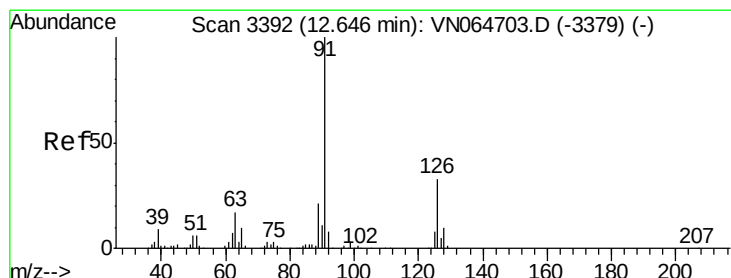
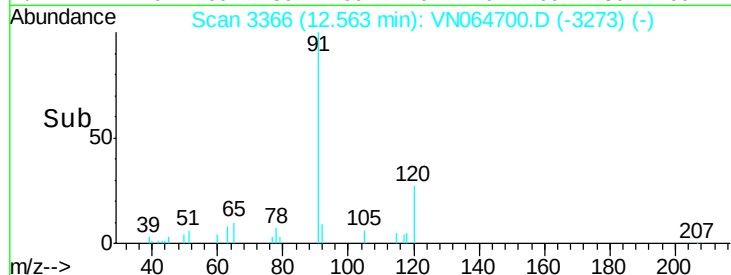
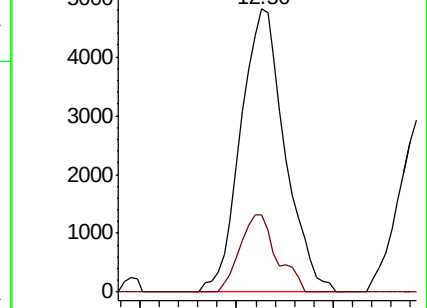
91 100

120 22.5 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.775 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064700.D

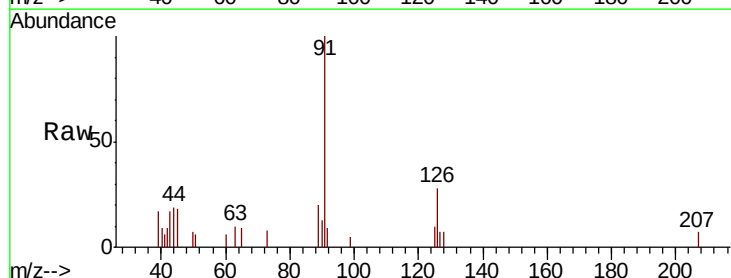
Acq: 18 Nov 2020 11:39

Tgt Ion: 91 Resp: 5304

Ion Ratio Lower Upper

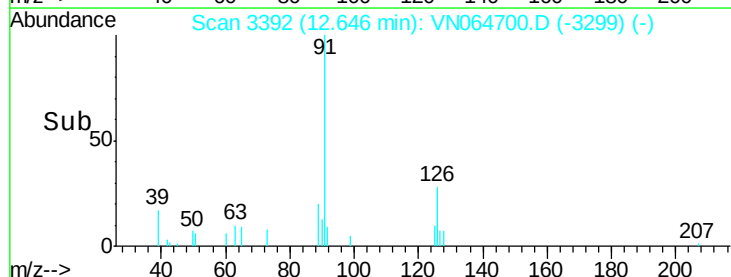
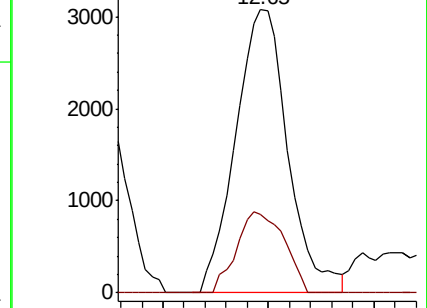
91 100

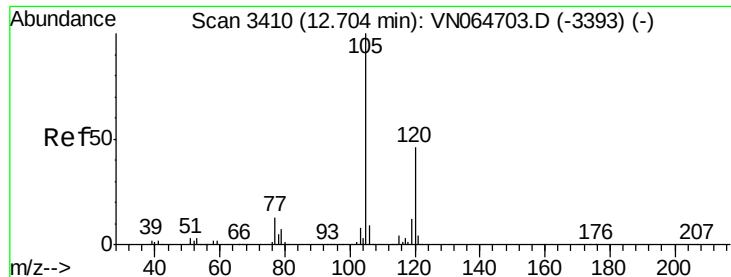
126 26.0 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

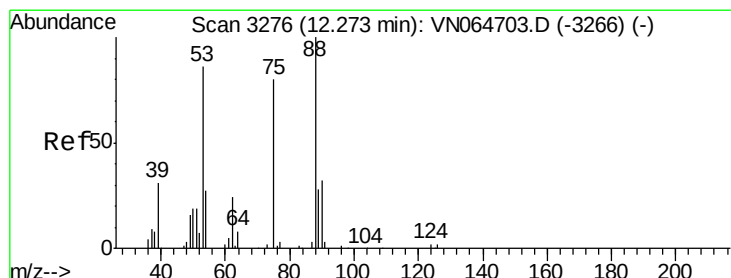
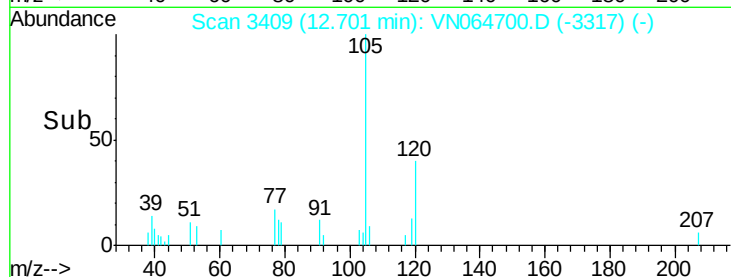
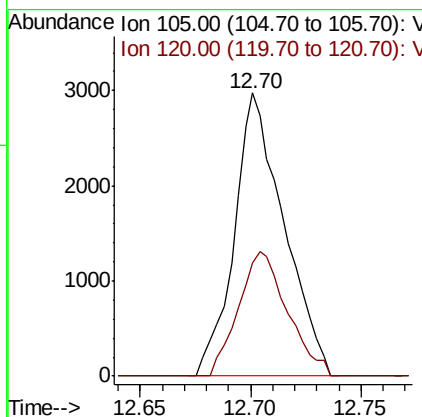
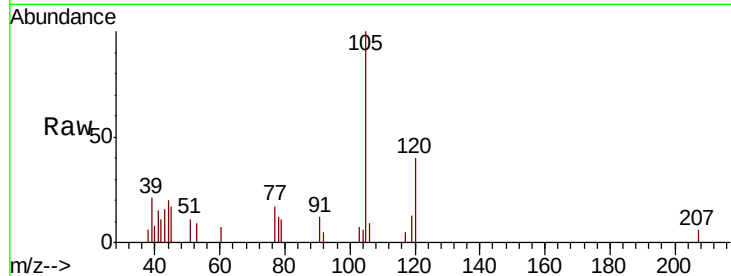




#80
 1,3,5-Trimethylbenzene
 Concen: 0.595 ug/l
 RT: 12.70 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN064700.D
 Acq: 18 Nov 2020 11:39

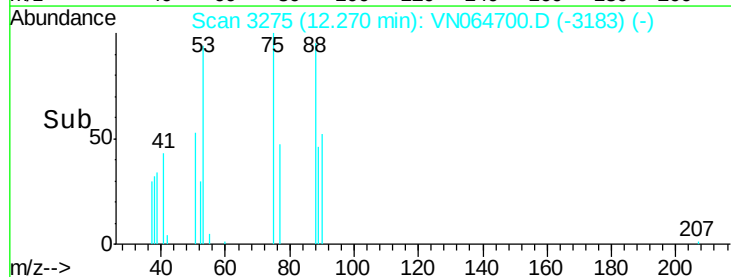
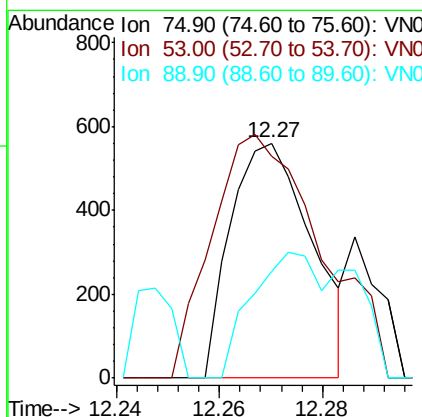
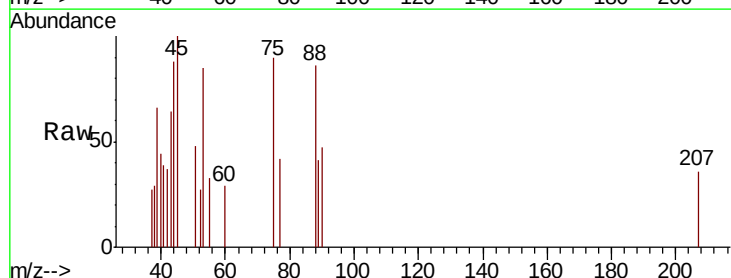
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

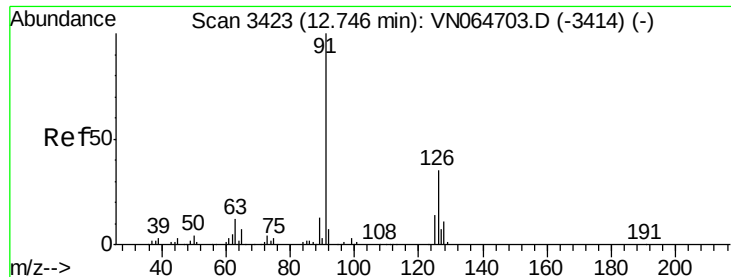
Tot Ion:105 Resp: 4638
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.9 68.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.598 ug/l
 RT: 12.27 min Scan# 3275
 Delta R.T. -0.00 min
 Lab File: VN064700.D
 Acq: 18 Nov 2020 11:39

Tgt Ion: 75 Resp: 611
 Ion Ratio Lower Upper
 75 100
 53 139.1 88.8 133.2#
 89 66.6 43.1 64.7#





#82

4-Chlorotoluene

Concen: 0.722 ug/l

RT: 12.74 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

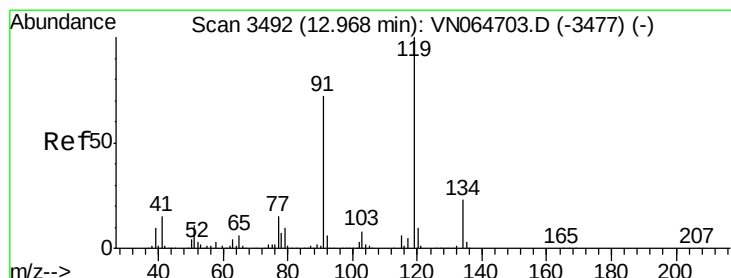
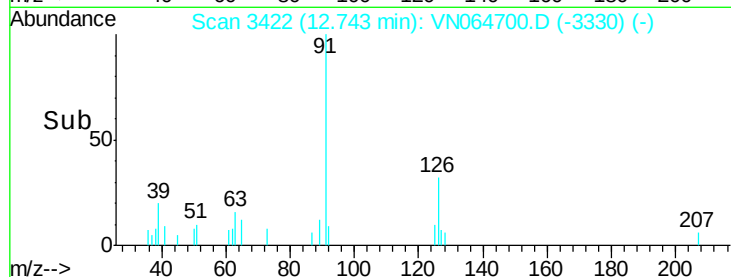
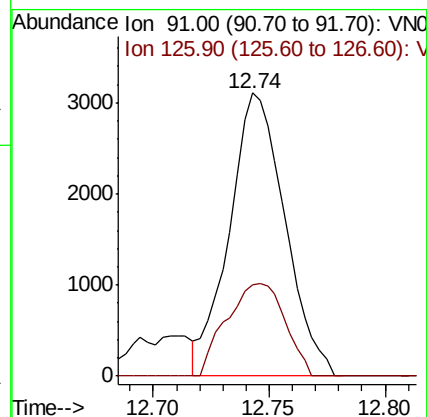
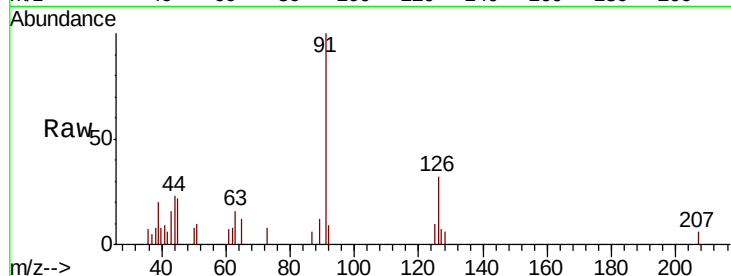
VSTDIC001

Tot Ion: 91 Resp: 5174

Ion Ratio Lower Upper

91 100

126 34.3 15.9 47.7



#83

tert-Butylbenzene

Concen: 0.729 ug/l

RT: 12.96 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

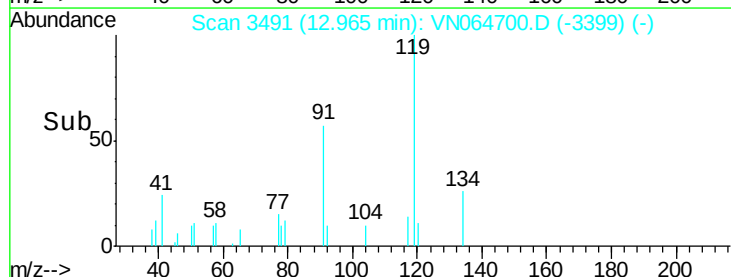
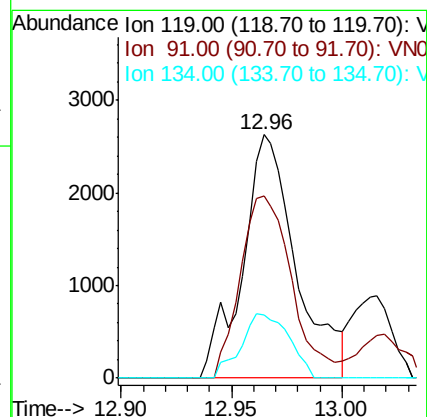
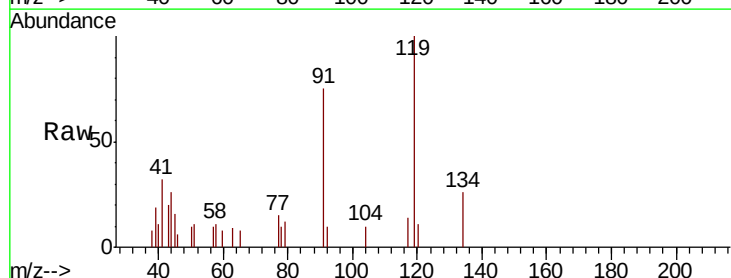
Tgt Ion: 119 Resp: 4444

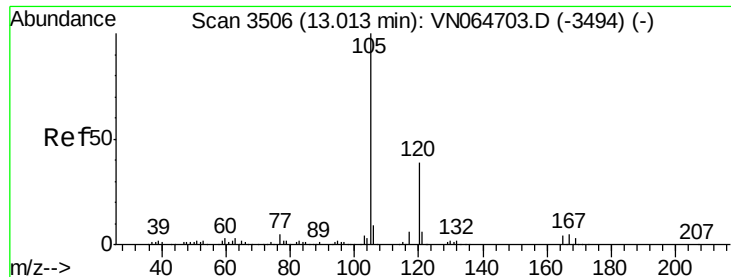
Ion Ratio Lower Upper

119 100

91 71.6 35.8 107.4

134 23.7 12.0 36.1





#84

1,2,4-Trimethylbenzene

Concen: 0.642 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

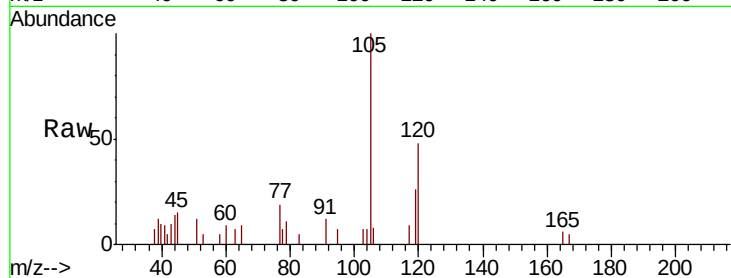
VSTDIC001

Tot Ion:105 Resp: 5018

Ion Ratio Lower Upper

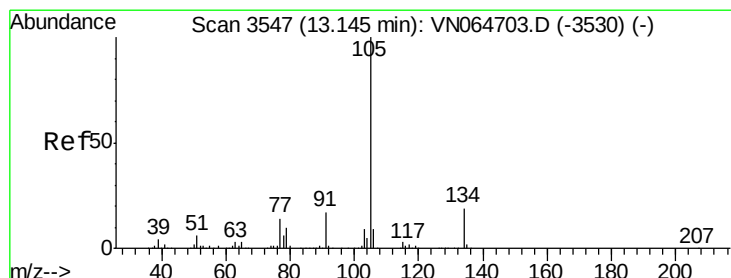
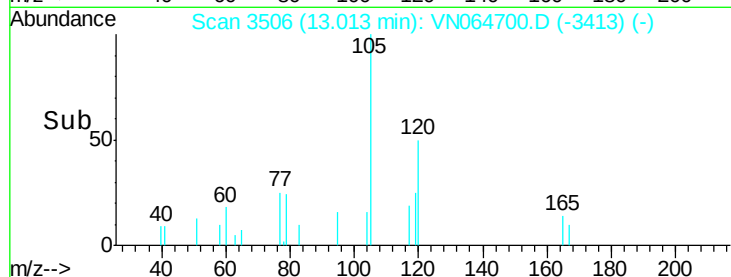
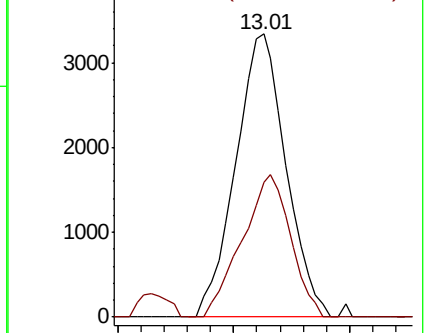
105 100

120 48.5 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.798 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064700.D

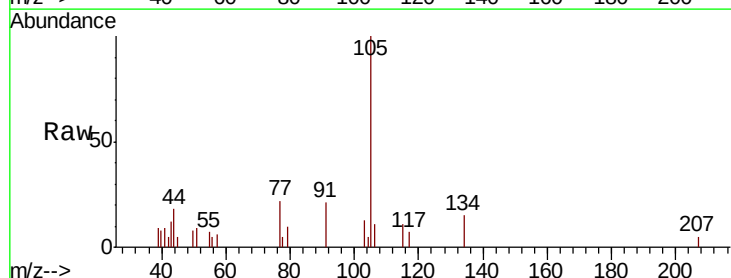
Acq: 18 Nov 2020 11:39

Tgt Ion:105 Resp: 6169

Ion Ratio Lower Upper

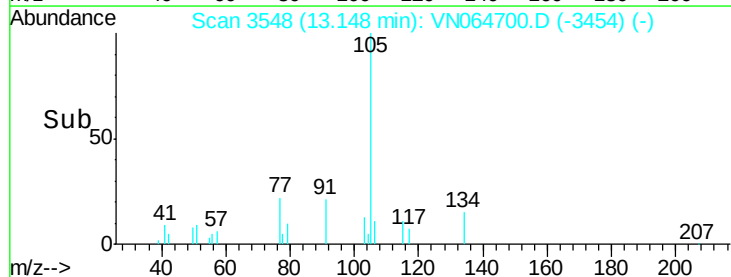
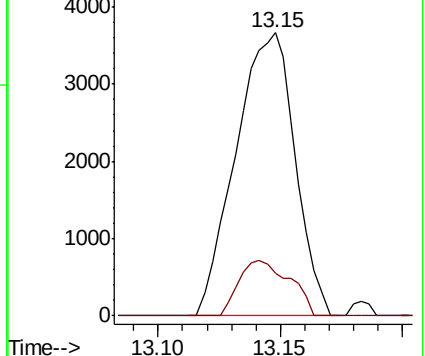
105 100

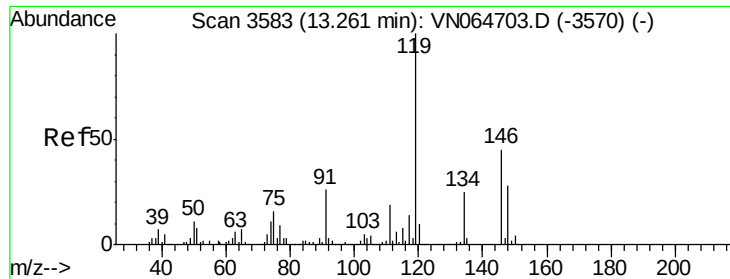
134 16.8 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

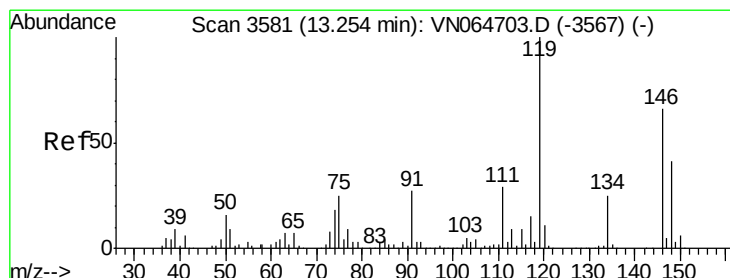
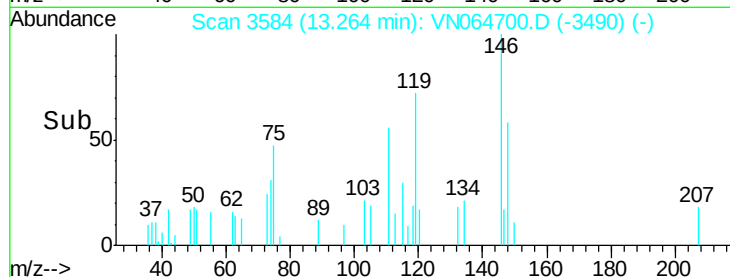
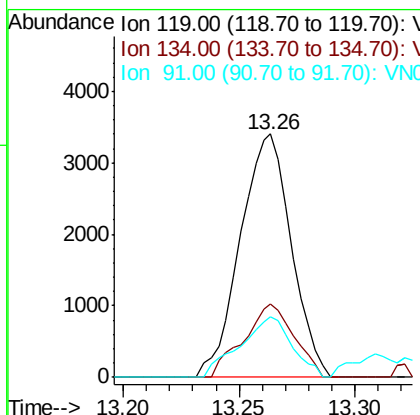
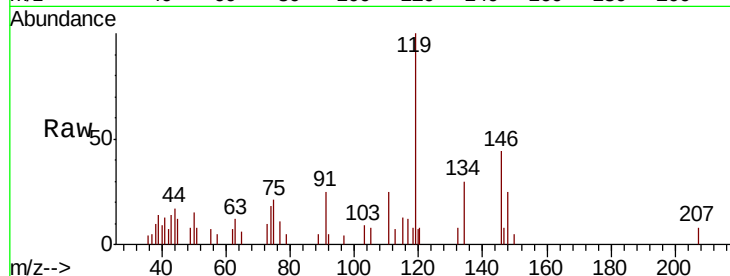




#86
 p-Isopropyltoluene
 Concen: 0.743 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064700.D
 Acq: 18 Nov 2020 11:39

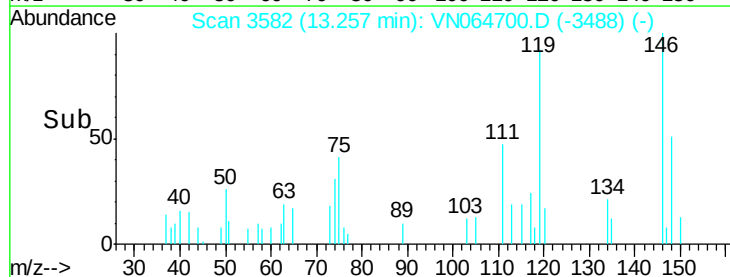
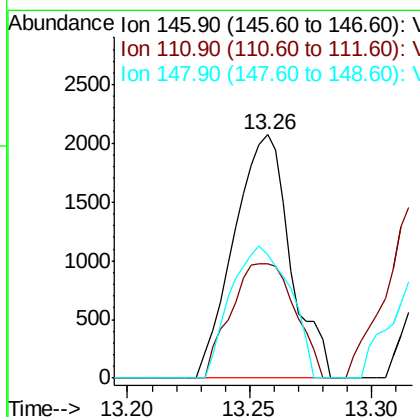
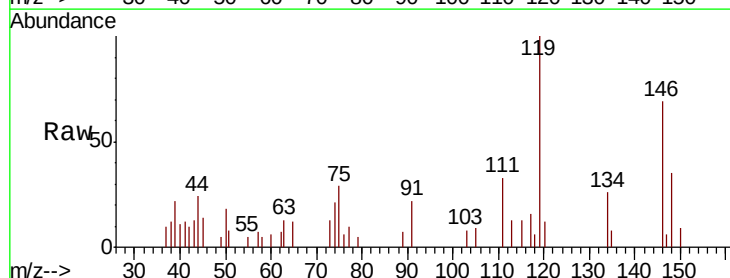
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

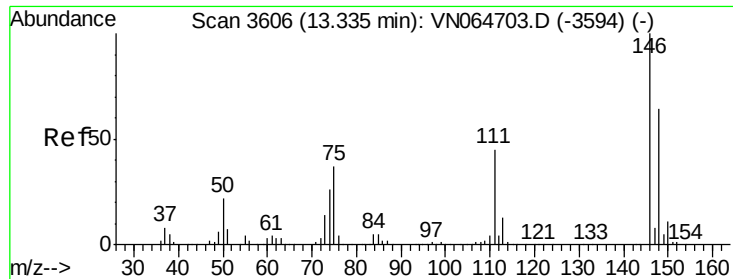
Tot Ion:119 Resp: 5178
 Ion Ratio Lower Upper
 119 100
 134 29.8 12.7 38.0
 91 25.3 13.3 39.8



#87
 1,3-Dichlorobenzene
 Concen: 0.826 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064700.D
 Acq: 18 Nov 2020 11:39

Tgt Ion:146 Resp: 3314
 Ion Ratio Lower Upper
 146 100
 111 53.5 21.8 65.4
 148 57.5 31.5 94.5





#88

1,4-Dichlorobenzene

Concen: 0.799 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.08 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

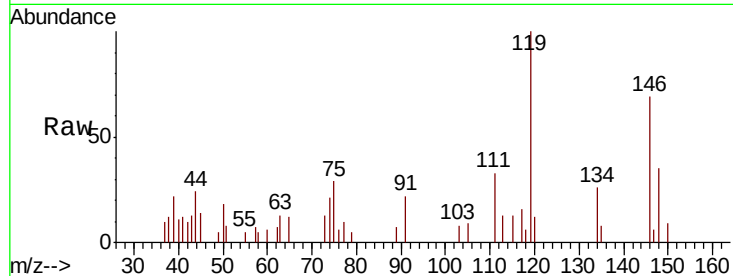
Tot Ion:146 Resp: 3314

Ion Ratio Lower Upper

146 100

111 53.5 22.3 66.8

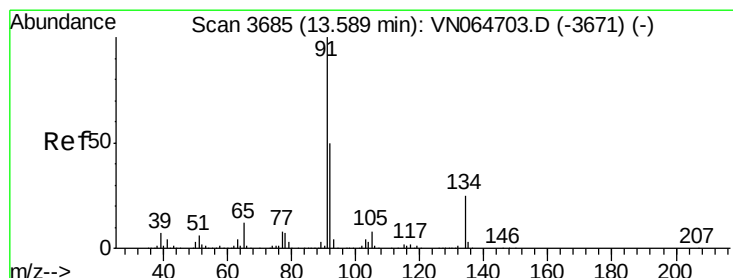
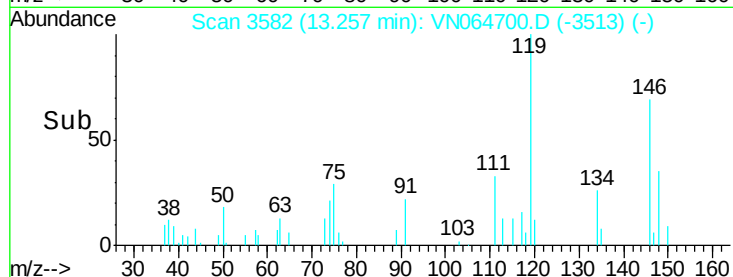
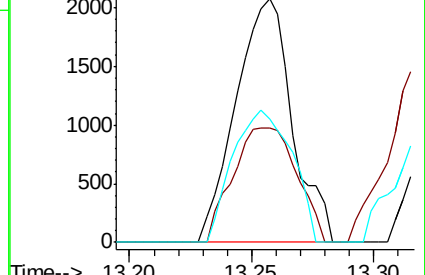
148 57.5 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 1.154 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

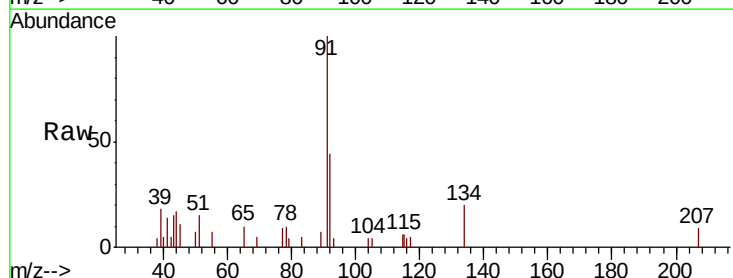
Tgt Ion: 91 Resp: 6965

Ion Ratio Lower Upper

91 100

92 51.2 24.9 74.8

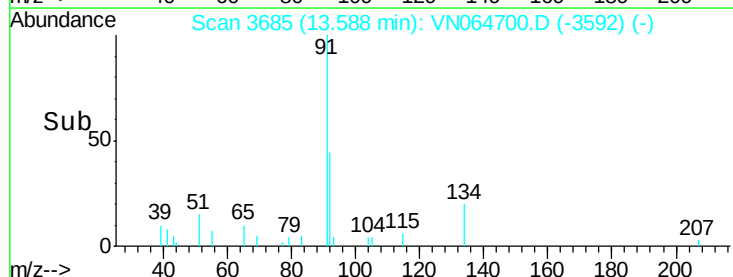
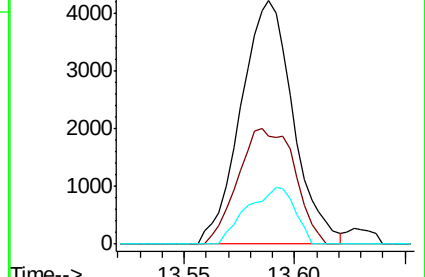
134 20.9 12.0 36.0

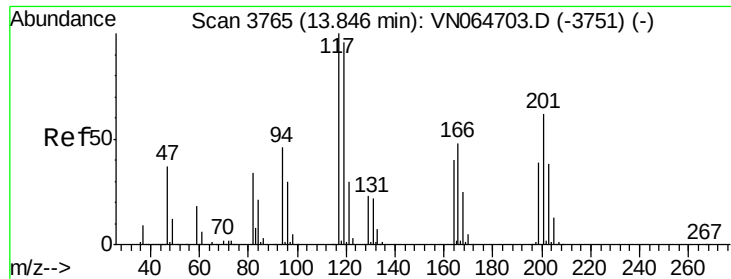


Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 92.00 (91.70 to 92.70): VN

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.719 ug/l

RT: 13.84 min Scan# 3763

Delta R.T. -0.01 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampled :

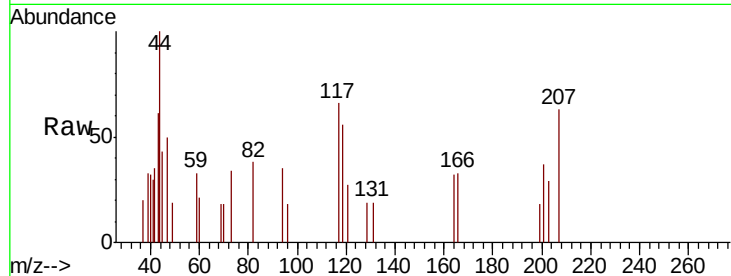
VSTDIC001

Tot Ion:117 Resp: 946

Ion Ratio Lower Upper

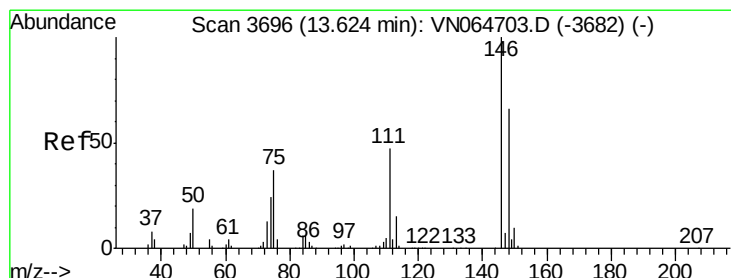
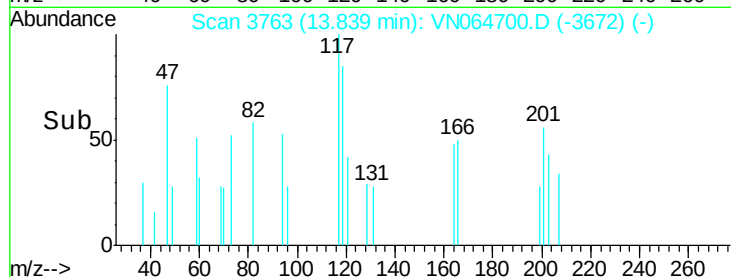
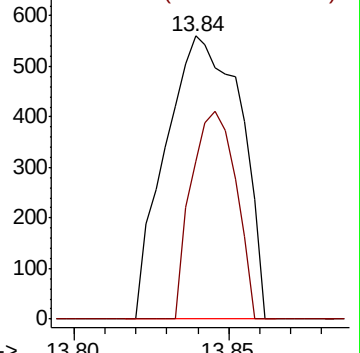
117 100

201 43.9 31.9 95.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.949 ug/l

RT: 13.62 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

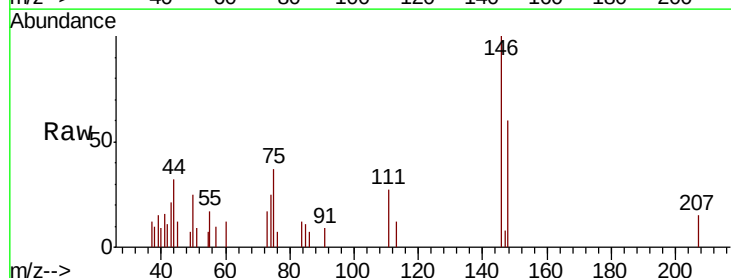
Tgt Ion:146 Resp: 3650

Ion Ratio Lower Upper

146 100

111 38.9 23.1 69.3

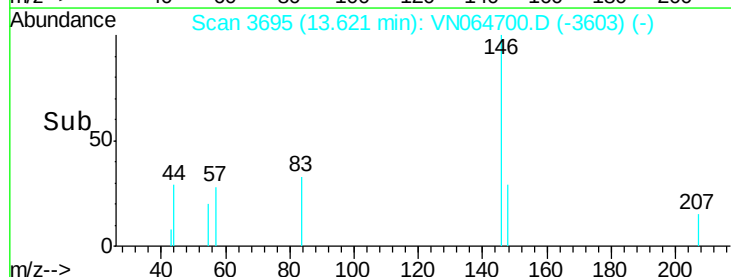
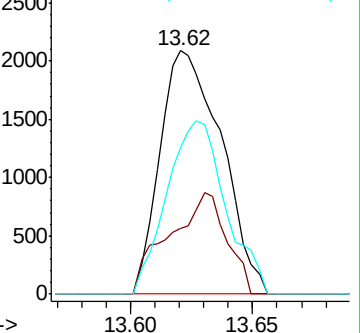
148 68.1 32.2 96.6

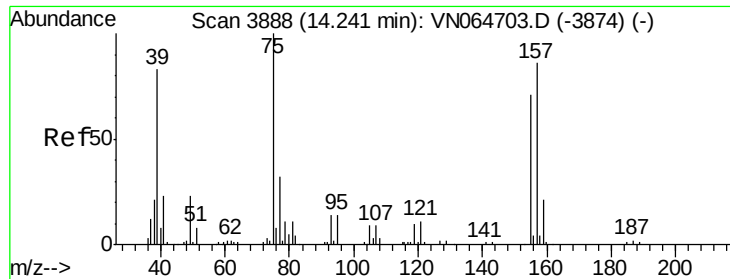


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.283 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

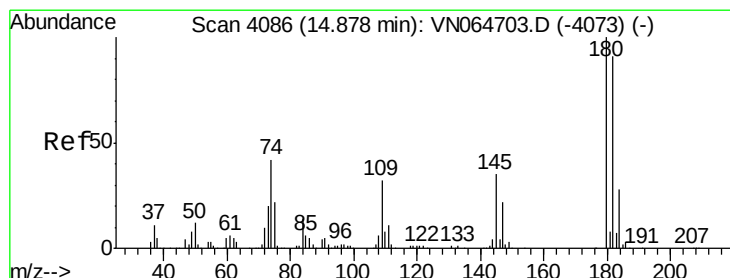
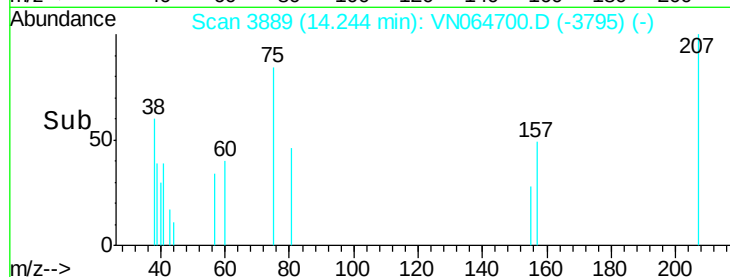
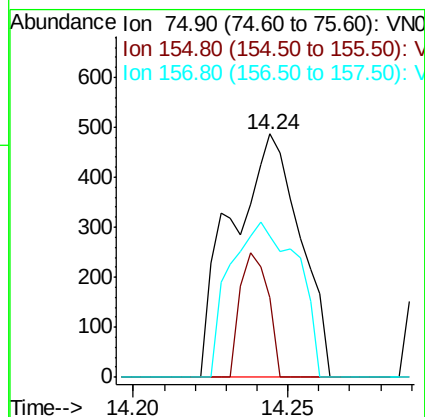
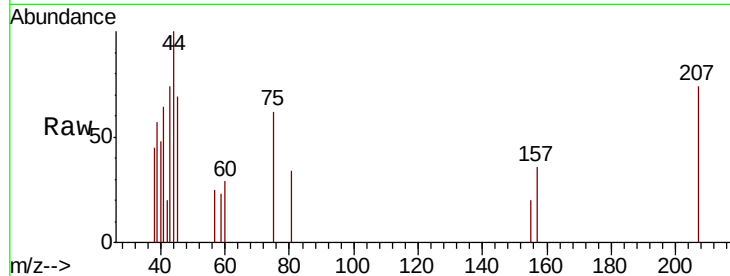
Tot Ion: 75 Resp: 750

Ion Ratio Lower Upper

75 100

155 20.9 33.6 100.6#

157 62.8 42.4 127.2



#93

1,2,4-Trichlorobenzene

Concen: 1.883 ug/l

RT: 14.88 min Scan# 4088

Delta R.T. 0.01 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

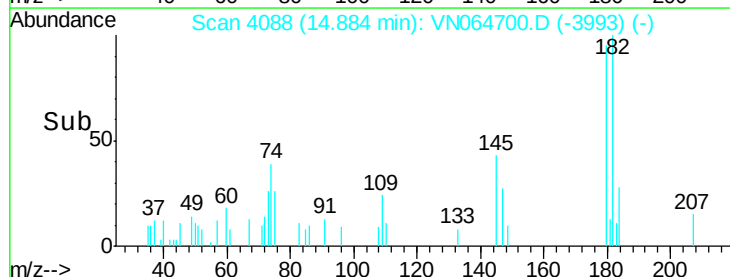
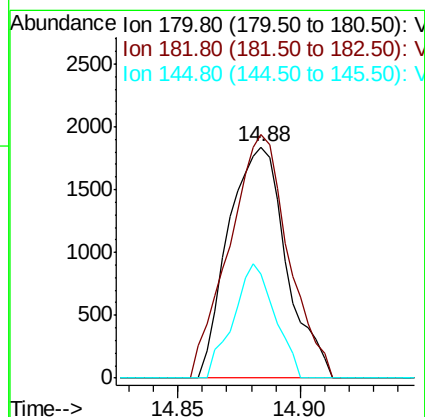
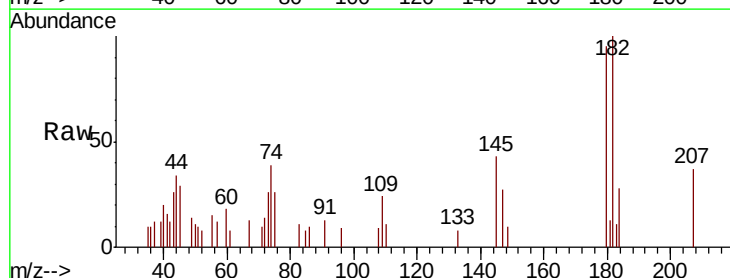
Tgt Ion: 180 Resp: 3035

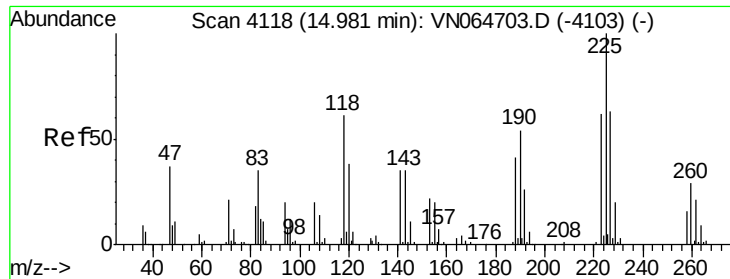
Ion Ratio Lower Upper

180 100

182 106.8 47.3 141.8

145 35.4 17.5 52.5





#94

Hexachlorobutadiene

Concen: 3.499 ug/l

RT: 14.98 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

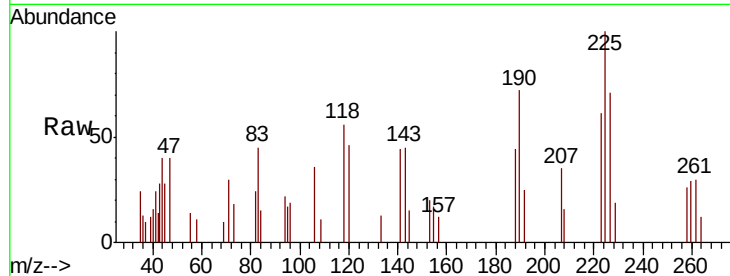
Tot Ion:225 Resp: 2784

Ion Ratio Lower Upper

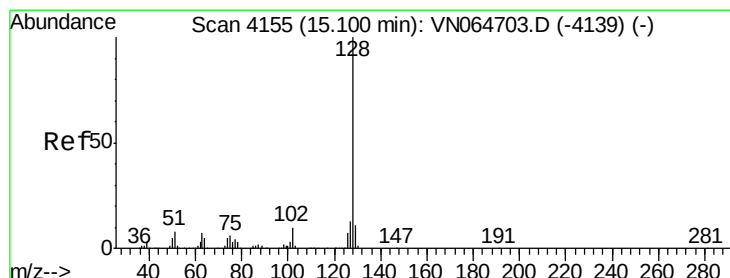
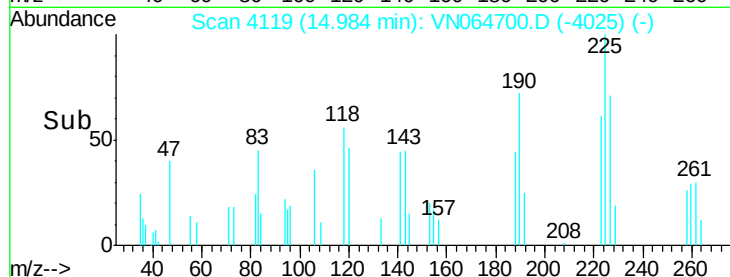
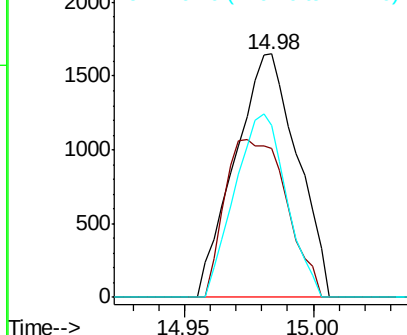
225 100

223 64.3 31.2 93.6

227 62.6 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.784 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

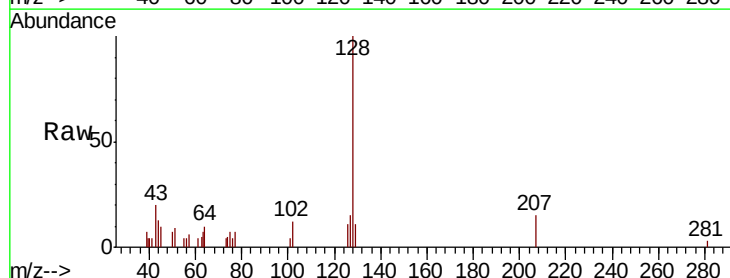
Tgt Ion:128 Resp: 9477

Ion Ratio Lower Upper

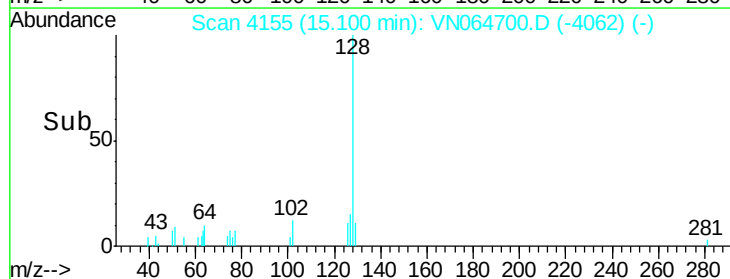
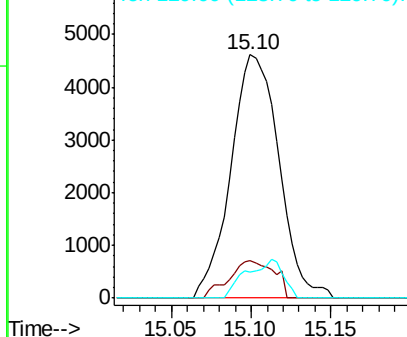
128 100

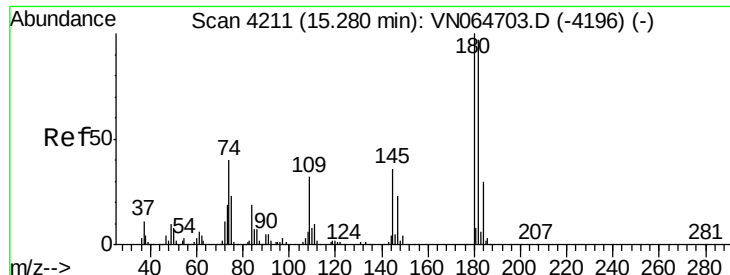
127 14.5 10.8 16.2

129 12.1 8.9 13.3



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





#96

1,2,3-Trichlorobenzene

Concen: 2.000 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064700.D

Acq: 18 Nov 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

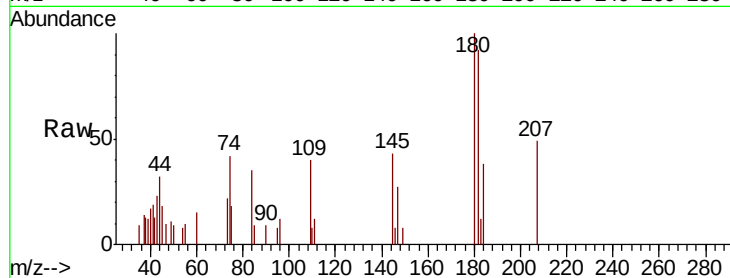
Tot Ion:180 Resp: 3218

Ion Ratio Lower Upper

180 100

182 98.9 47.5 142.5

145 52.4 18.1 54.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

