

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111820\
 Data File : VN064702.D
 Acq On : 18 Nov 2020 12:37
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 18 13:48:21 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	276322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	491299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	449828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	204515	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	85238	17.69	ug/l	0.00
Spiked Amount			Recovery	=	35.38%	
35) Dibromofluoromethane	7.55	113	51470	15.87	ug/l	0.00
Spiked Amount			Recovery	=	31.74%	
50) Toluene-d8	10.06	98	214133	16.60	ug/l	0.00
Spiked Amount			Recovery	=	33.20%	
62) 4-Bromofluorobenzene	12.37	95	76839	15.82	ug/l	0.00
Spiked Amount			Recovery	=	31.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	65843	18.716	ug/l	97
3) Chloromethane	2.04	50	71071	16.800	ug/l	100
4) Vinyl Chloride	2.17	62	74741	17.155	ug/l	99
5) Bromomethane	2.54	94	57200	20.197	ug/l	98
6) Chloroethane	2.68	64	51183	18.108	ug/l	99
7) Trichlorofluoromethane	2.99	101	137453	20.760	ug/l	98
8) Diethyl Ether	3.37	74	45480	19.705	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	59389	19.117	ug/l	98
10) Methyl Iodide	3.91	142	69520	19.231	ug/l	98
11) Tert butyl alcohol	4.74	59	45825	89.790	ug/l #	90
12) 1,1-Dichloroethene	3.70	96	55748	19.070	ug/l	94
13) Acrolein	3.56	56	12787	44.404	ug/l	95
14) Allyl chloride	4.28	41	95037	16.924	ug/l	98
15) Acrylonitrile	4.93	53	132217	92.107	ug/l	99
16) Acetone	3.78	43	102921	60.683	ug/l	97
17) Carbon Disulfide	4.01	76	164353	18.910	ug/l	98
18) Methyl Acetate	4.28	43	65725	18.458	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	190226	18.177	ug/l	99
20) Methylene Chloride	4.50	84	67037	18.607	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	63522	19.199	ug/l	94
22) Diisopropyl ether	5.90	45	209834	17.627	ug/l	94
23) Vinyl Acetate	5.85	43	852784	88.439	ug/l	99
24) 1,1-Dichloroethane	5.80	63	123470	18.695	ug/l	97
25) 2-Butanone	6.79	43	177152	79.757	ug/l	99
26) 2,2-Dichloropropane	6.77	77	115337	19.086	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	69830	18.292	ug/l	99
28) Bromochloromethane	7.15	49	62072	18.593	ug/l	100
29) Tetrahydrofuran	7.17	42	118340	84.962	ug/l	99
30) Chloroform	7.33	83	132984	19.055	ug/l	97
31) Cyclohexane	7.61	56	96066	17.004	ug/l	91
32) 1,1,1-Trichloroethane	7.52	97	118230	19.014	ug/l	99
36) 1,1-Dichloropropene	7.75	75	93576	18.351	ug/l	99
37) Ethyl Acetate	6.88	43	77192	17.210	ug/l	97
38) Carbon Tetrachloride	7.74	117	101437	18.477	ug/l	97

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39) Methylcyclohexane	9.05	83	79421	17.454	ug/l	97
40) Benzene	8.00	78	270212	18.063	ug/l	99
41) Methacrylonitrile	7.13	41	38984	17.187	ug/l	97
42) 1,2-Dichloroethane	8.08	62	117686	19.363	ug/l	98
43) Isopropyl Acetate	8.13	43	148847	18.072	ug/l	100
44) Trichloroethene	8.80	130	76156	19.948	ug/l	98
45) 1,2-Dichloropropane	9.08	63	72674	18.257	ug/l	100
46) Dibromomethane	9.17	93	50500	18.967	ug/l	98
47) Bromodichloromethane	9.37	83	104031	18.271	ug/l	98
48) Methyl methacrylate	9.16	41	71892	17.339	ug/l	100
49) 1,4-Dioxane	9.17	88	18318	340.240	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	432331	90.514	ug/l	99
52) Toluene	10.12	92	163850	17.935	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	110303	18.363	ug/l	100
54) cis-1,3-Dichloropropene	9.80	75	120172	18.809	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	67016	18.712	ug/l	95
56) Ethyl methacrylate	10.40	69	89202	17.278	ug/l	98
57) 1,3-Dichloropropane	10.68	76	114672	18.407	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.66	63	259061	99.554	ug/l	100
59) 2-Hexanone	10.72	43	305239	88.431	ug/l	100
60) Dibromochloromethane	10.87	129	76041	18.973	ug/l	99
61) 1,2-Dibromoethane	10.98	107	69672	19.153	ug/l	100
64) Tetrachloroethene	10.60	164	78246	22.228	ug/l	98
65) Chlorobenzene	11.40	112	178257	18.305	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	67126	18.543	ug/l	99
67) Ethyl Benzene	11.48	91	313939	18.248	ug/l	99
68) m/p-Xylenes	11.59	106	234761	37.513	ug/l	98
69) o-Xylene	11.92	106	108930	18.037	ug/l	99
70) Styrene	11.94	104	188565	18.522	ug/l	98
71) Bromoform	12.10	173	47281	19.387	ug/l #	100
73) Isopropylbenzene	12.22	105	283769	17.925	ug/l	99
74) N-amyl acetate	12.04	43	132067	19.105	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	78448	16.272	ug/l	99
76) 1,2,3-Trichloropropane	12.52	75	124986	25.870	ug/l #	100
77) Bromobenzene	12.50	156	70988	18.236	ug/l	98
78) n-propylbenzene	12.56	91	332308	18.374	ug/l	100
79) 2-Chlorotoluene	12.65	91	210733	18.293	ug/l	100
80) 1,3,5-Trimethylbenzene	12.70	105	240913	18.369	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	30588	17.778	ug/l #	86
82) 4-Chlorotoluene	12.75	91	224054	18.585	ug/l	99
83) tert-Butylbenzene	12.97	119	186797	18.201	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	248366	18.875	ug/l	99
85) sec-Butylbenzene	13.14	105	247030	18.996	ug/l	99
86) p-Isopropyltoluene	13.26	119	224483	19.134	ug/l	98
87) 1,3-Dichlorobenzene	13.25	146	123318	18.272	ug/l	98
88) 1,4-Dichlorobenzene	13.33	146	128755	18.451	ug/l	99
89) n-Butylbenzene	13.59	91	196856	19.389	ug/l	99
90) Hexachloroethane	13.85	117	35705	16.126	ug/l	100
91) 1,2-Dichlorobenzene	13.62	146	122985	19.000	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	20709	21.049	ug/l	95

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QLast Update : Wed Nov 18 13:40:14 2020
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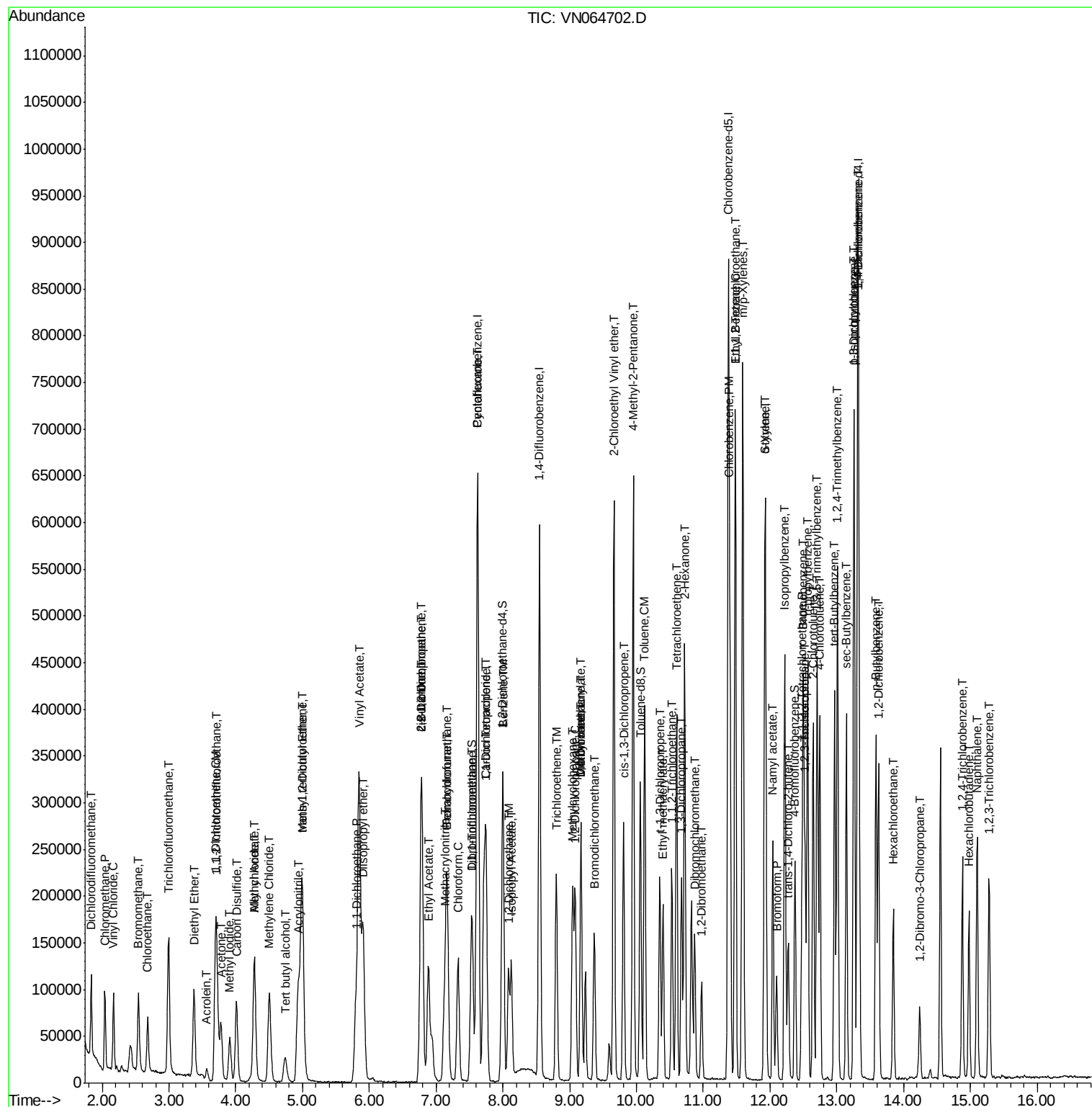
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	62460	23.023	ug/l	97
94) Hexachlorobutadiene	14.98	225	28730	21.456	ug/l	99
95) Naphthalene	15.10	128	209025	23.375	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	62447	23.064	ug/l	98

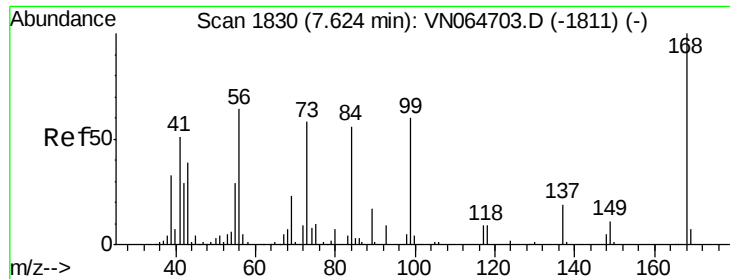
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111820\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

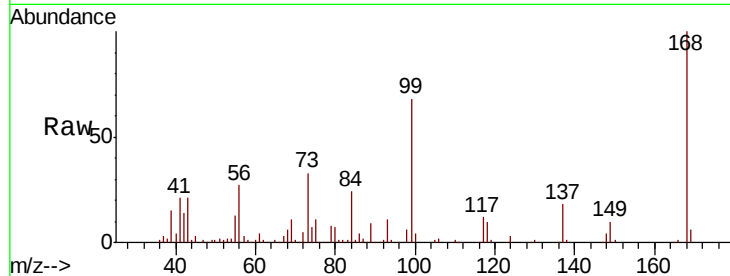
VSTDIC020

Tot Ion:168 Resp: 276322

Ion Ratio Lower Upper

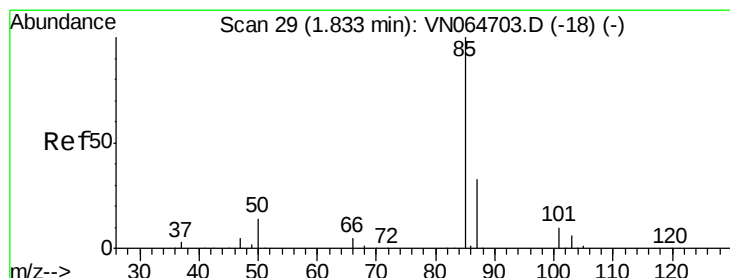
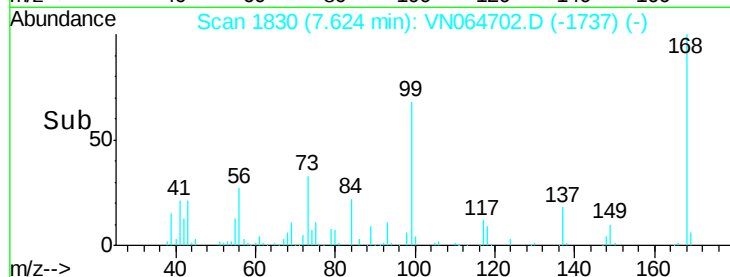
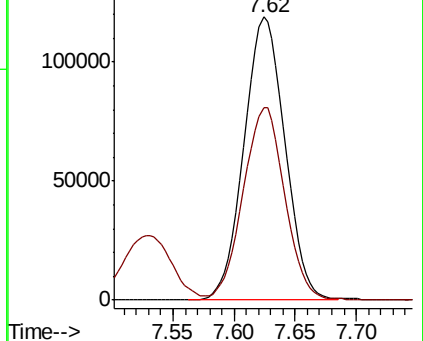
168 100

99 67.4 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.716 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064702.D

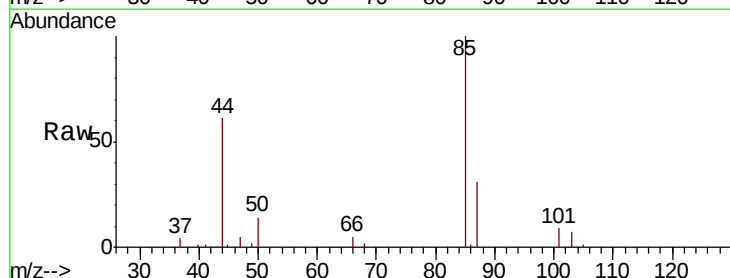
Acq: 18 Nov 2020 12:37

Tgt Ion: 85 Resp: 65843

Ion Ratio Lower Upper

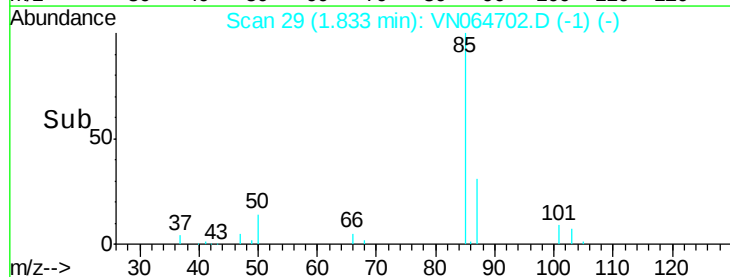
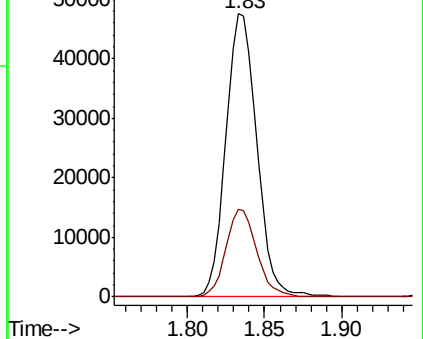
85 100

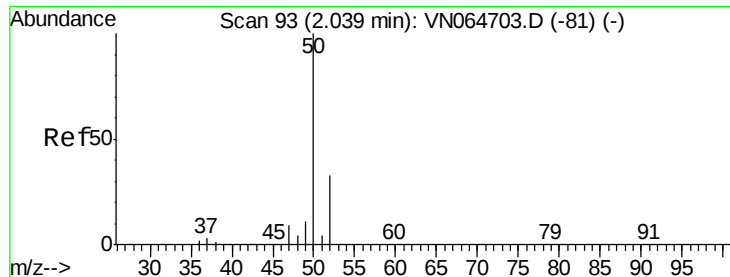
87 31.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

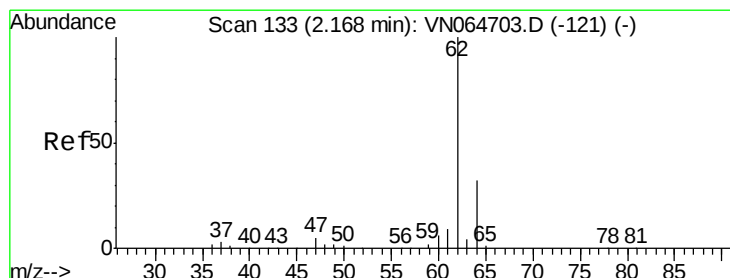
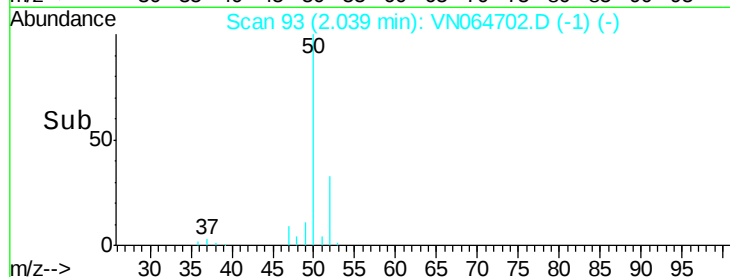
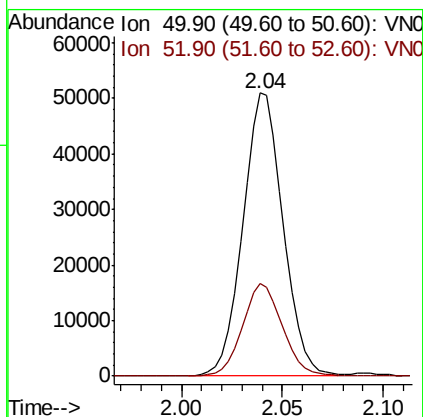
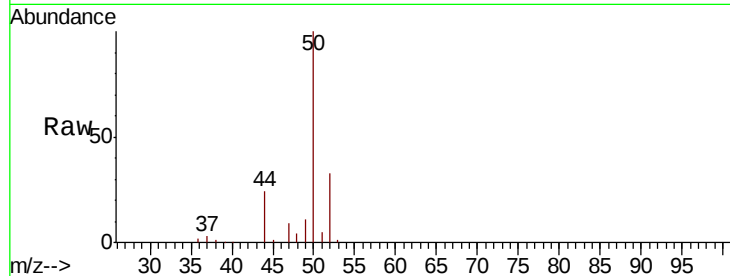




#3
Chloromethane
Concen: 16.800 ug/l
RT: 2.04 min Scan# 93
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

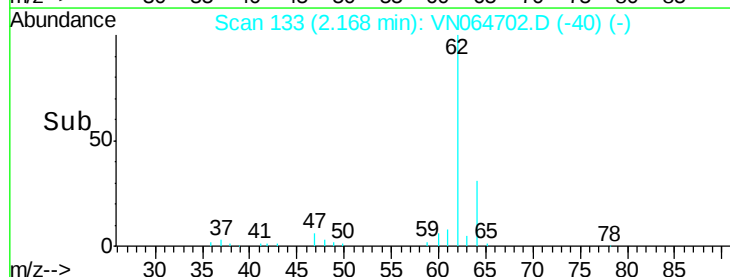
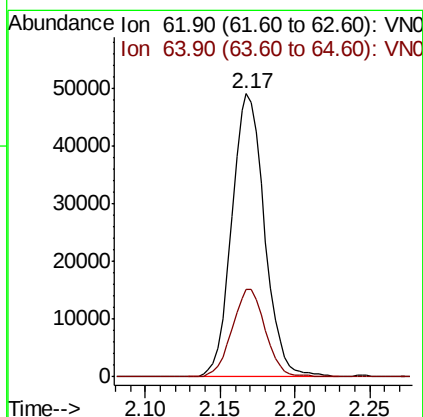
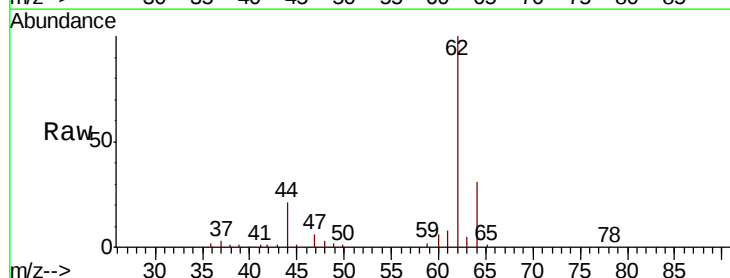
Instrument :
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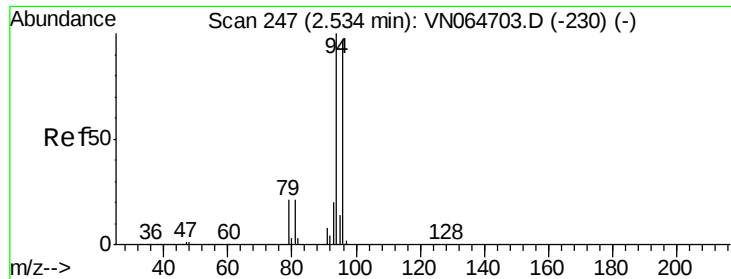
Tot Ion: 50 Resp: 71071
Ion Ratio Lower Upper
50 100
52 32.8 26.4 39.6



#4
Vinyl Chloride
Concen: 17.155 ug/l
RT: 2.17 min Scan# 133
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion: 62 Resp: 74741
Ion Ratio Lower Upper
62 100
64 31.0 25.2 37.8





#5

Bromomethane

Concen: 20.197 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

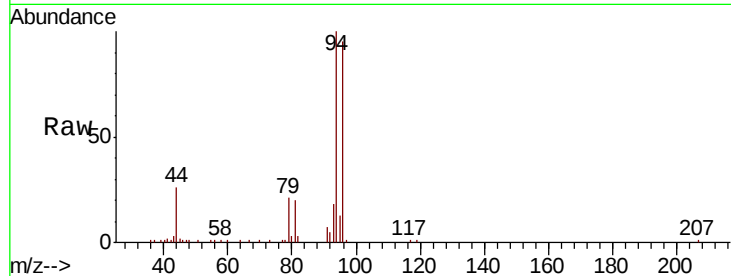
VSTDIC020

Tot Ion: 94 Resp: 57200

Ion Ratio Lower Upper

94 100

96 95.1 77.8 116.8

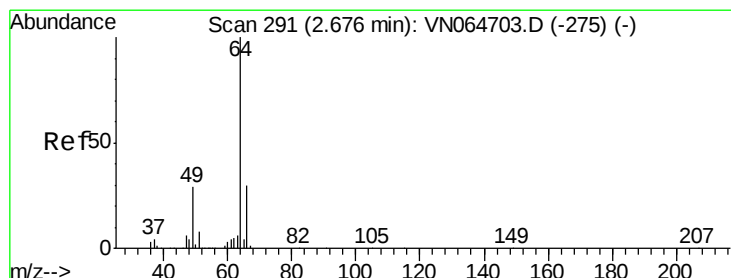
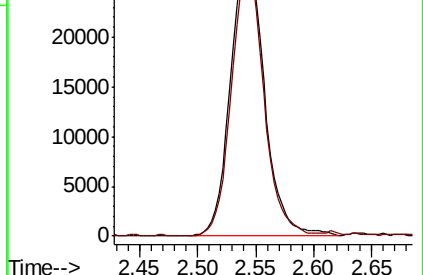
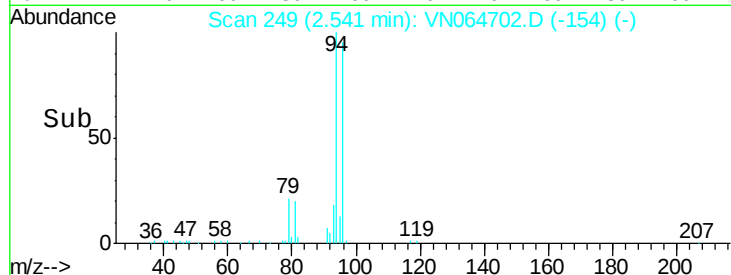


Abundance Ion 93.90 (93.60 to 94.60): VN064703.D (-230) (-)

Ion 95.90 (95.60 to 96.60): VN064703.D (-230) (-)

2.54

Time-->



#6

Chloroethane

Concen: 18.108 ug/l

RT: 2.68 min Scan# 293

Delta R.T. 0.01 min

Lab File: VN064702.D

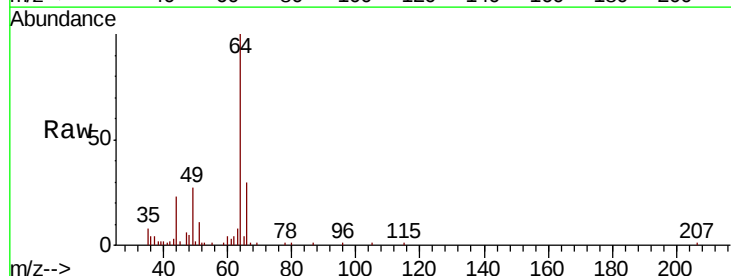
Acq: 18 Nov 2020 12:37

Tgt Ion: 64 Resp: 51183

Ion Ratio Lower Upper

64 100

66 29.9 24.2 36.2

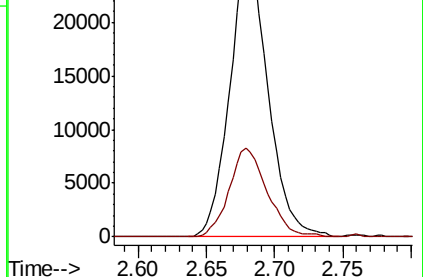
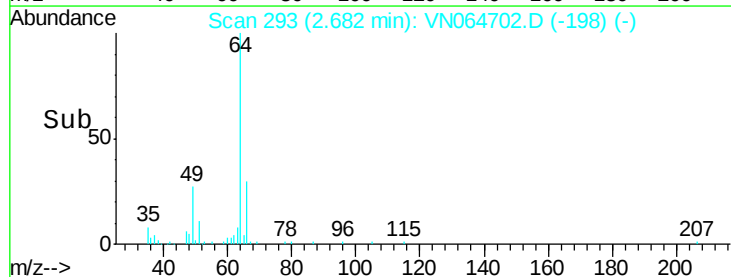


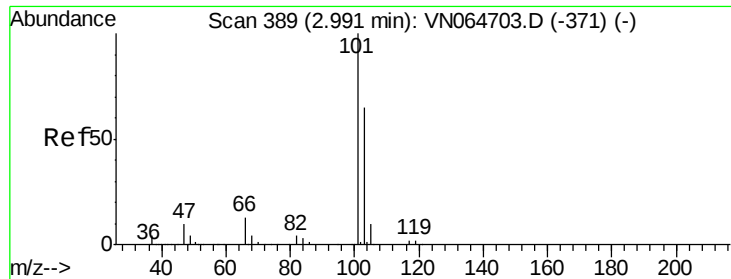
Abundance Ion 63.90 (63.60 to 64.60): VN064703.D (-275) (-)

Ion 65.90 (65.60 to 66.60): VN064703.D (-275) (-)

2.68

Time-->



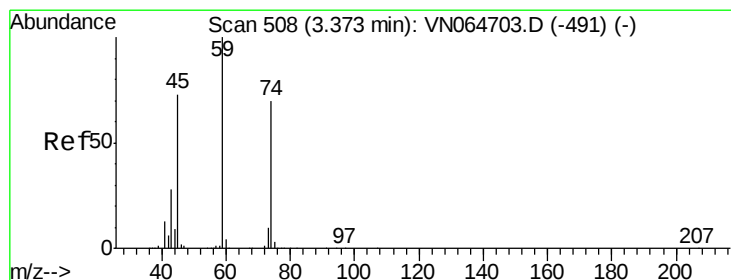
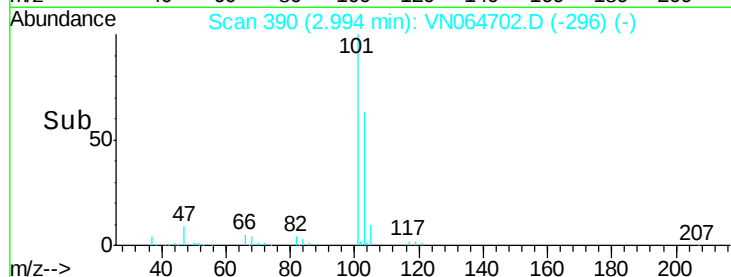
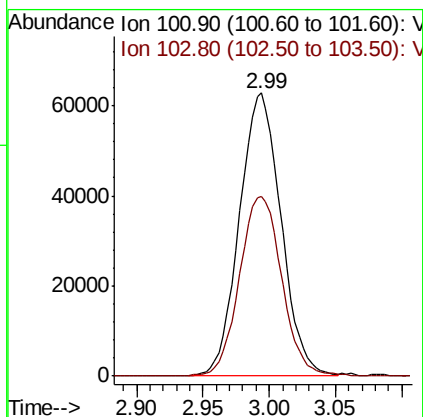
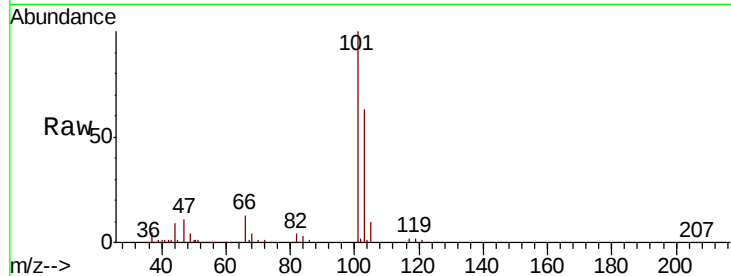


#7

Trichlorofluoromethane
 Concen: 20.760 ug/l
 RT: 2.99 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Instrument :
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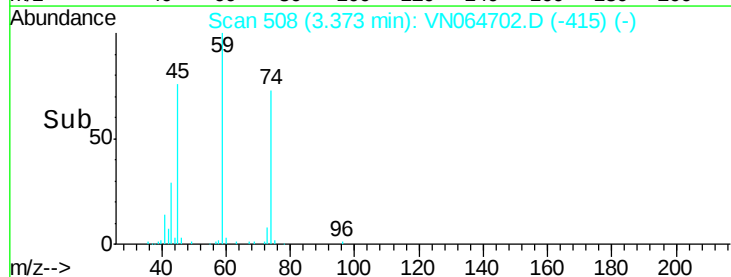
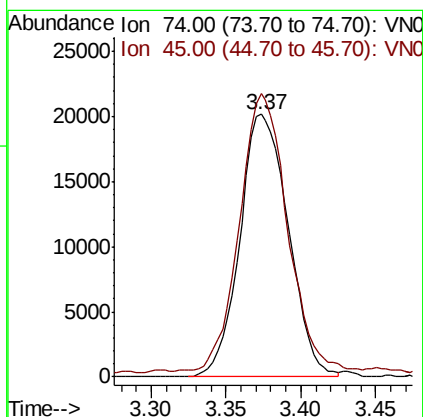
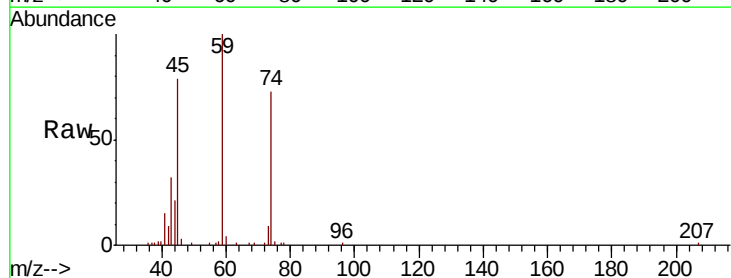
Tot Ion:101 Resp: 137453
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.8 77.6

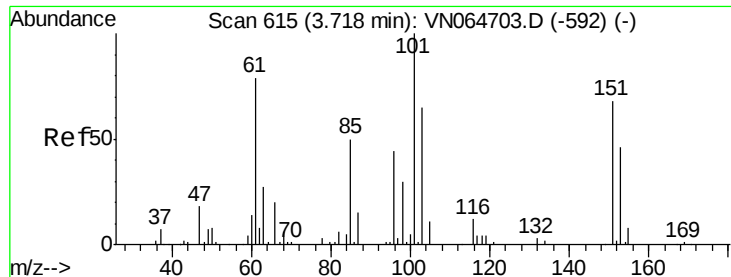


#8

Diethyl Ether
 Concen: 19.705 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Tgt Ion: 74 Resp: 45480
 Ion Ratio Lower Upper
 74 100
 45 103.7 52.8 158.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.117 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

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ClientSampleId :

VSTDIC020

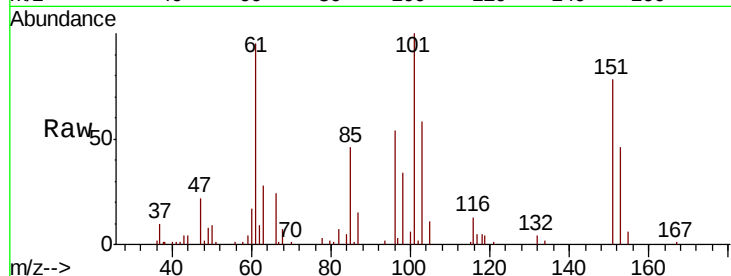
Tot Ion:101 Resp: 59389

Ion Ratio Lower Upper

101 100

85 47.5 39.0 58.4

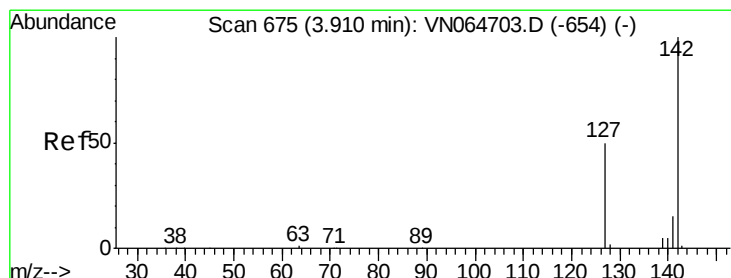
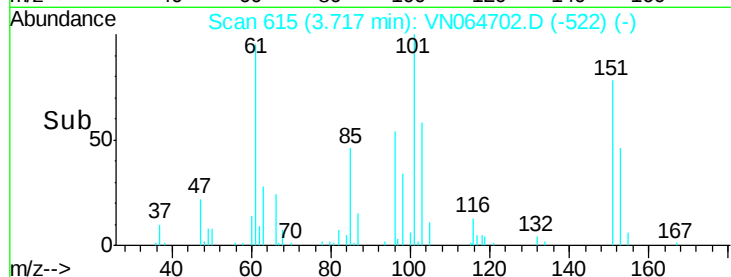
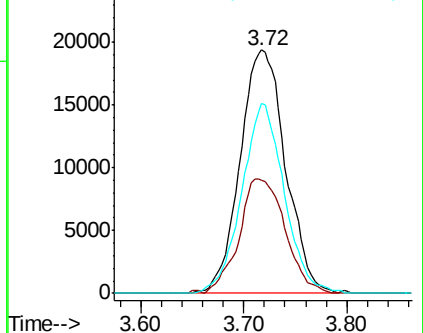
151 73.0 57.2 85.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.231 ug/l

RT: 3.91 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

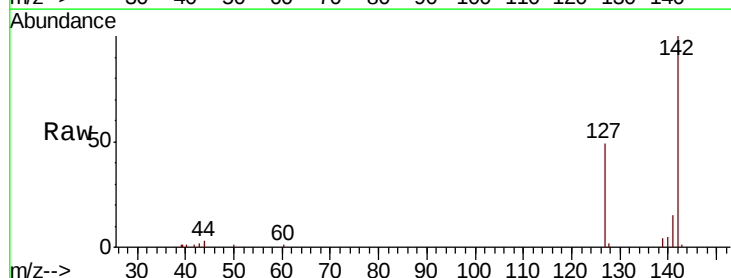
Tgt Ion:142 Resp: 69520

Ion Ratio Lower Upper

142 100

127 51.3 42.0 63.0

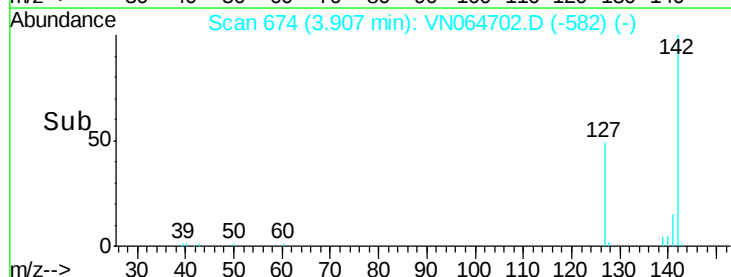
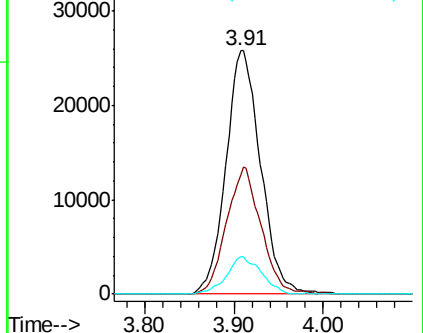
141 15.4 12.1 18.1

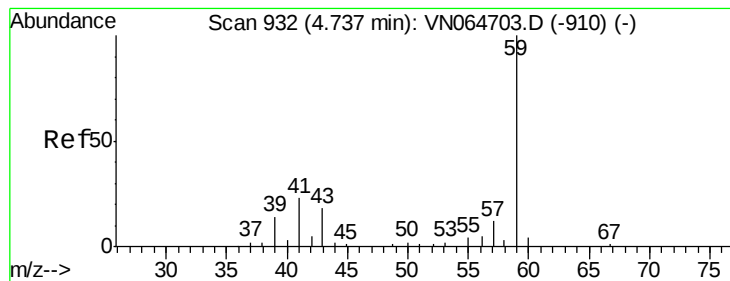


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



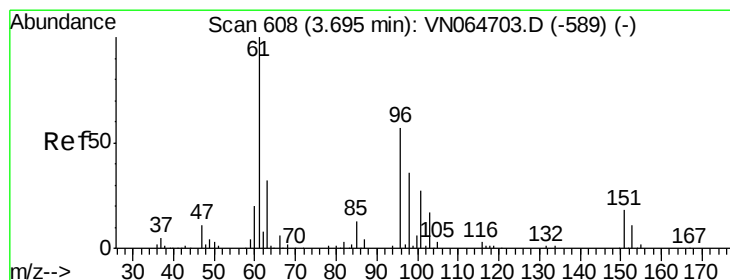
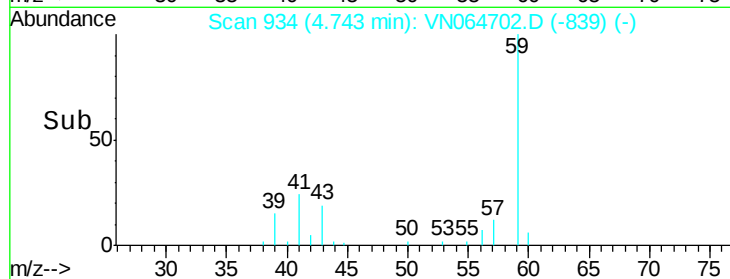
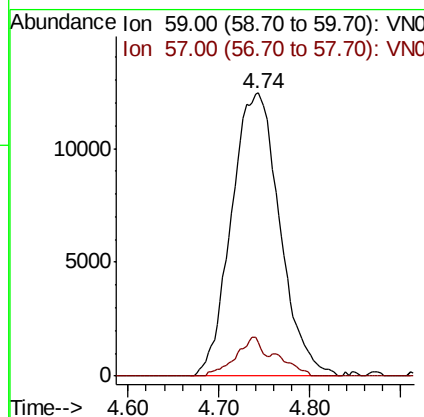
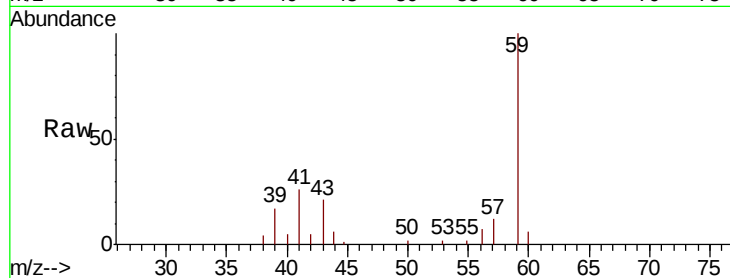


#11

Tert butyl alcohol
 Concen: 89.790 ug/l
 RT: 4.74 min Scan# 934
 Delta R.T. 0.01 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

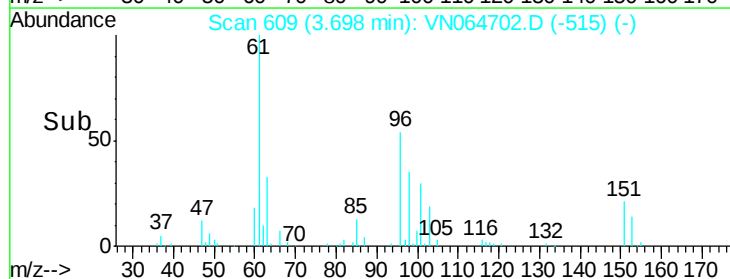
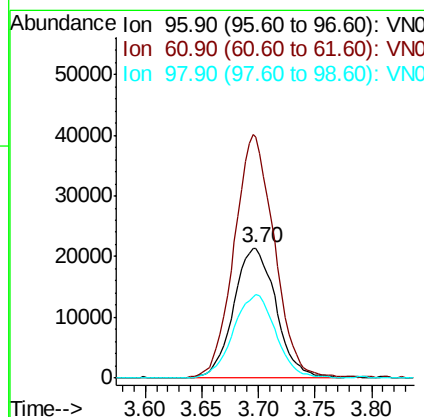
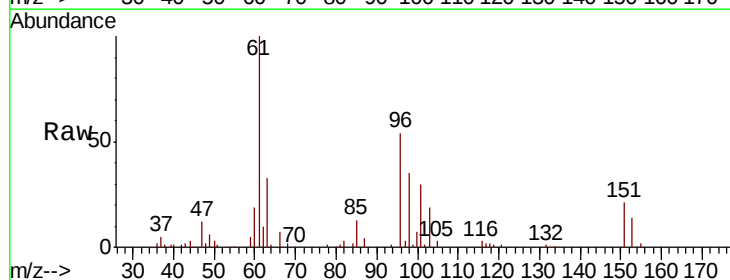
Tot Ion: 59 Resp: 45825
 Ion Ratio Lower Upper
 59 100
 57 7.7 9.1 13.7#

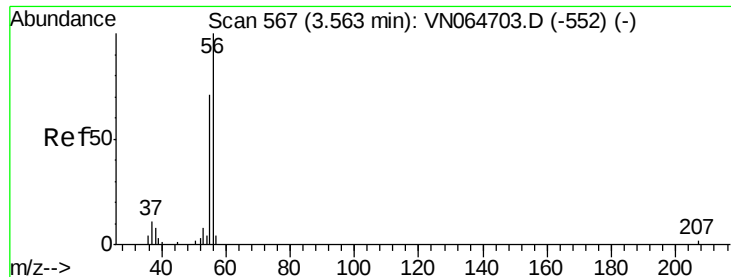


#12

1,1-Dichloroethene
 Concen: 19.070 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Tgt Ion: 96 Resp: 55748
 Ion Ratio Lower Upper
 96 100
 61 184.0 139.1 208.7
 98 64.6 50.2 75.2





#13

Acrolein

Concen: 44.404 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

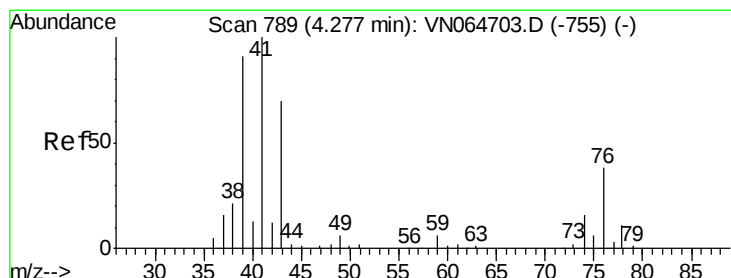
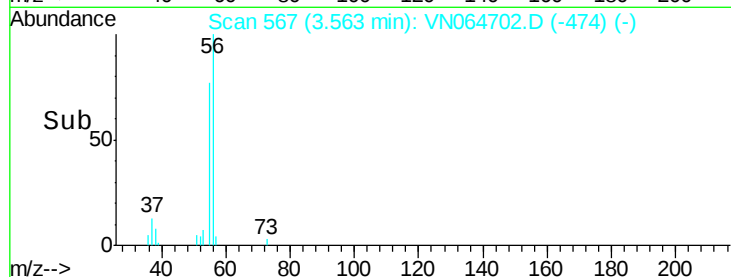
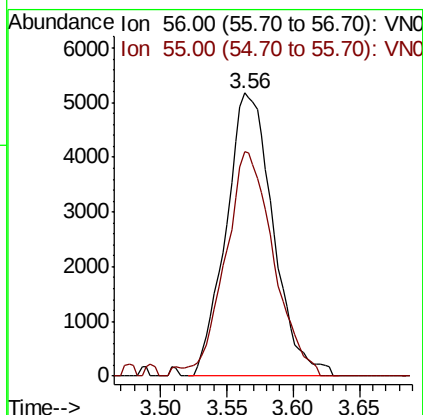
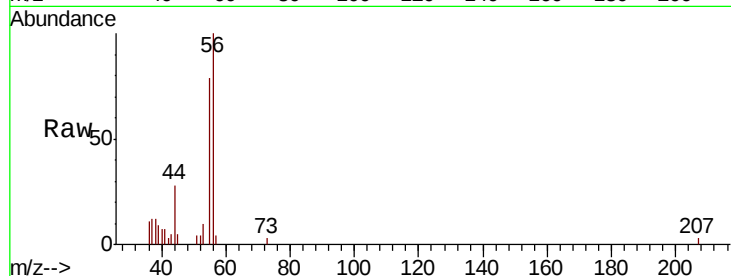
VSTDIC020

Tot Ion: 56 Resp: 12787

Ion Ratio Lower Upper

56 100

55 81.8 61.8 92.6



#14

Allyl chloride

Concen: 16.924 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

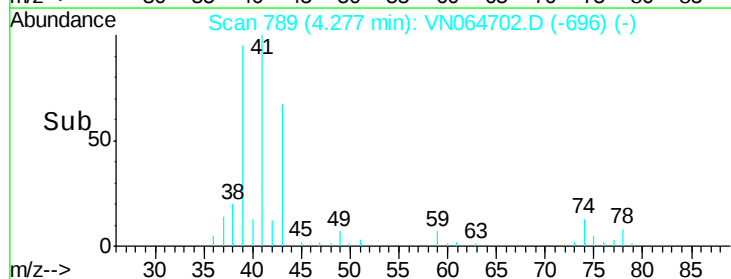
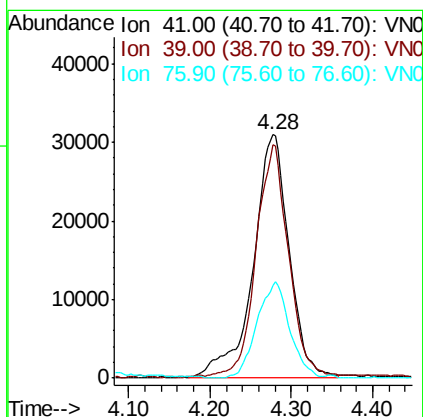
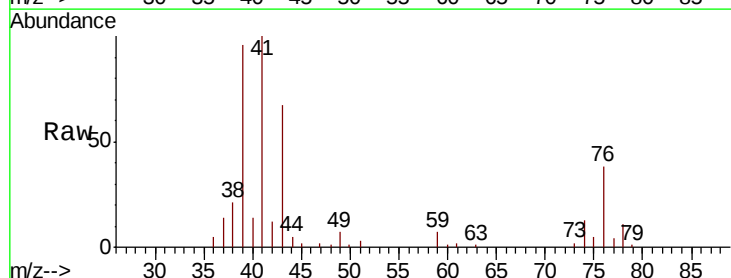
Tgt Ion: 41 Resp: 95037

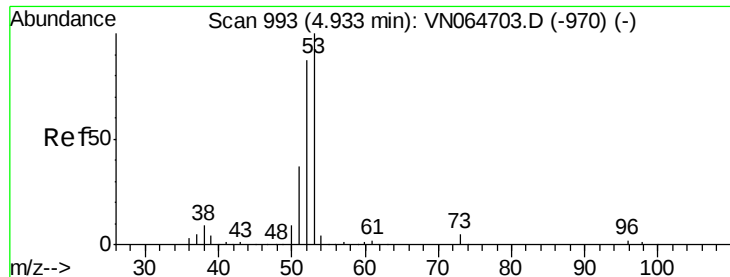
Ion Ratio Lower Upper

41 100

39 84.1 66.1 99.1

76 35.8 26.6 40.0





#15

Acrylonitrile

Concen: 92.107 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

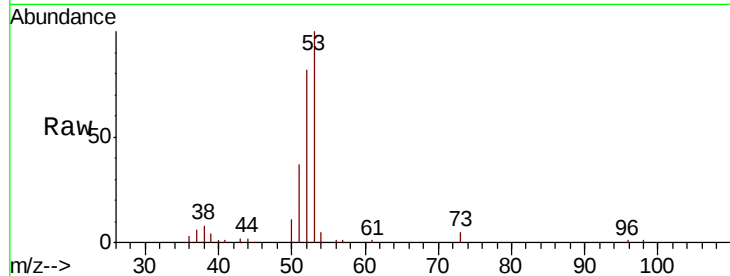
Tot Ion: 53 Resp: 132217

Ion Ratio Lower Upper

53 100

52 84.7 67.2 100.8

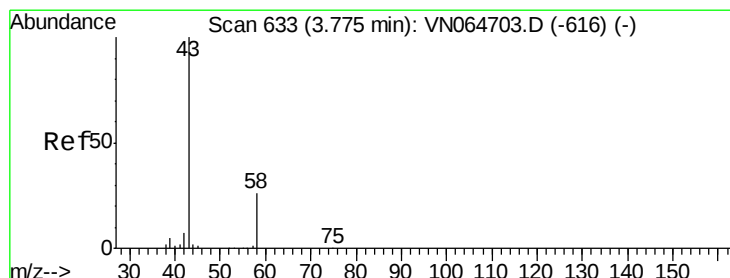
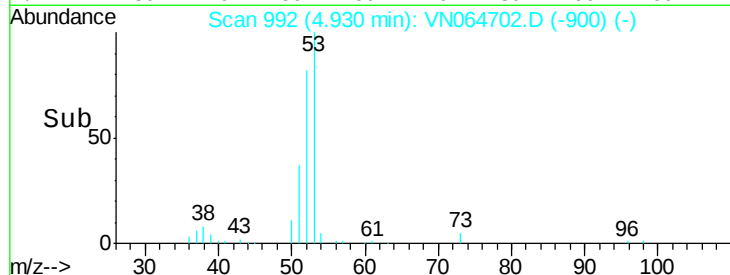
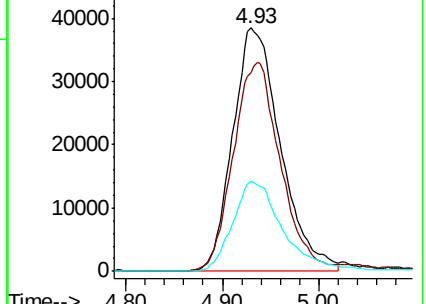
51 38.7 31.0 46.6



Abundance Ion 53.00 (52.70 to 53.70): VN064703.D (-970) (-)

Ion 52.00 (51.70 to 52.70): VN064703.D (-970) (-)

Ion 51.00 (50.70 to 51.70): VN064703.D (-970) (-)



#16

Acetone

Concen: 60.683 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064702.D

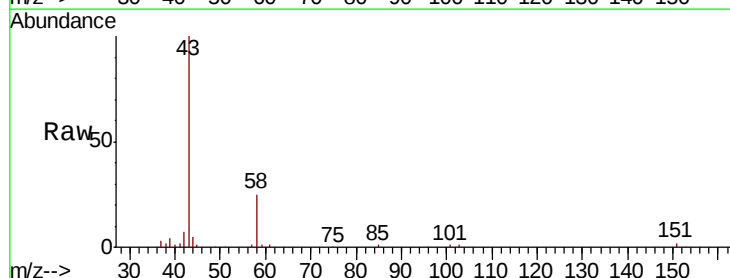
Acq: 18 Nov 2020 12:37

Tgt Ion: 43 Resp: 102921

Ion Ratio Lower Upper

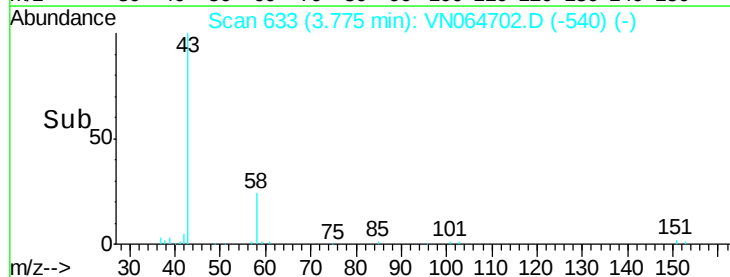
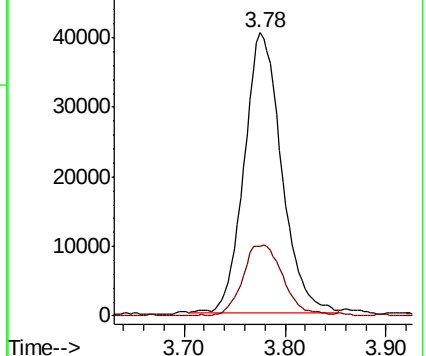
43 100

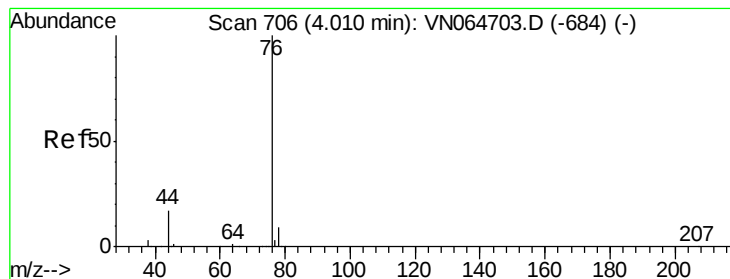
58 25.0 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VN064703.D (-616) (-)

Ion 58.00 (57.70 to 58.70): VN064703.D (-616) (-)





#17

Carbon Disulfide

Concen: 18.910 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

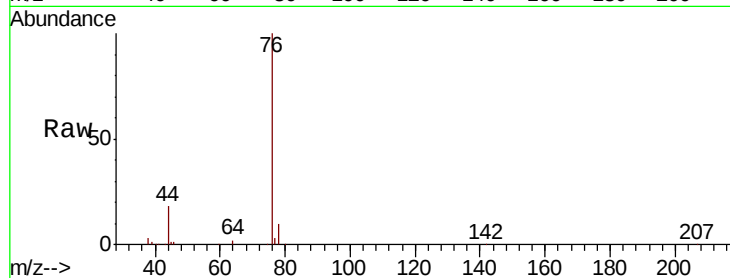
VSTDIC020

Tot Ion: 76 Resp: 164353

Ion Ratio Lower Upper

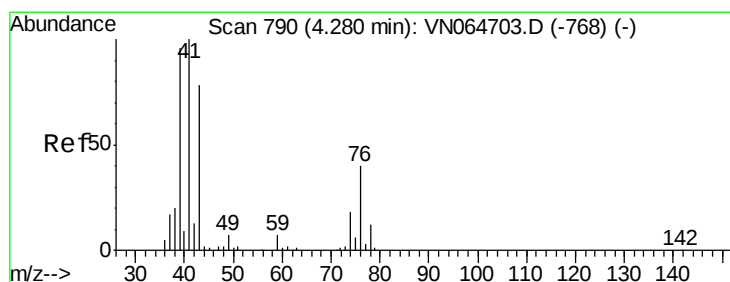
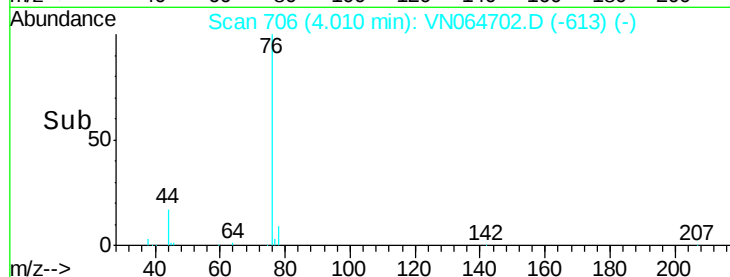
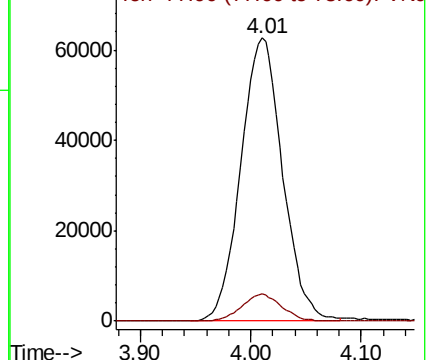
76 100

78 9.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN064703.D (-684) (-)

Ion 77.90 (77.60 to 78.60): VN064703.D (-684) (-)



#18

Methyl Acetate

Concen: 18.458 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN064702.D

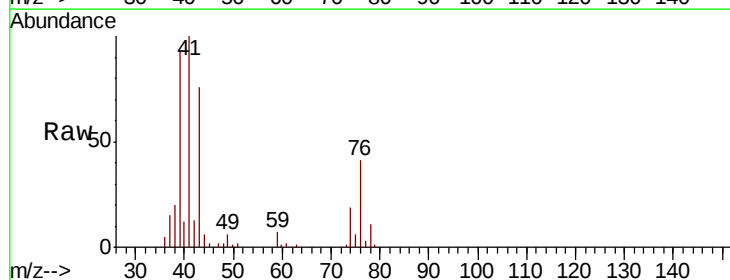
Acq: 18 Nov 2020 12:37

Tgt Ion: 43 Resp: 65725

Ion Ratio Lower Upper

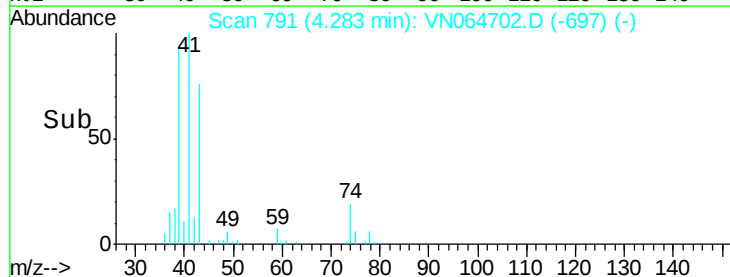
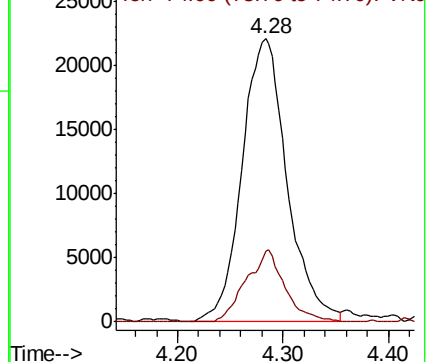
43 100

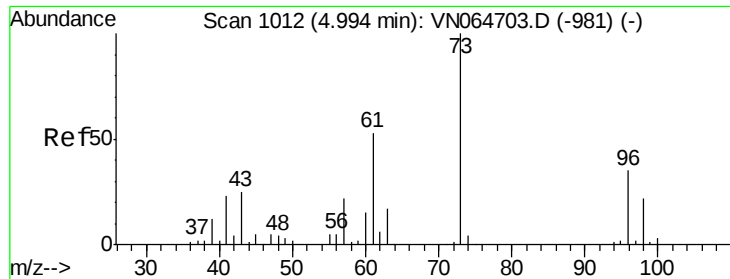
74 21.9 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VN064703.D (-768) (-)

Ion 74.00 (73.70 to 74.70): VN064703.D (-768) (-)

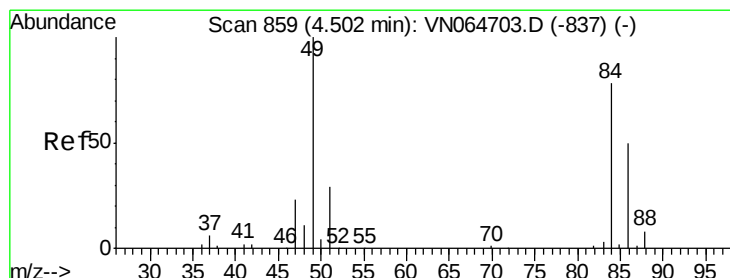
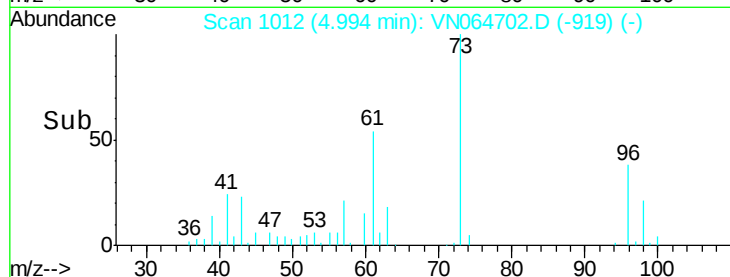
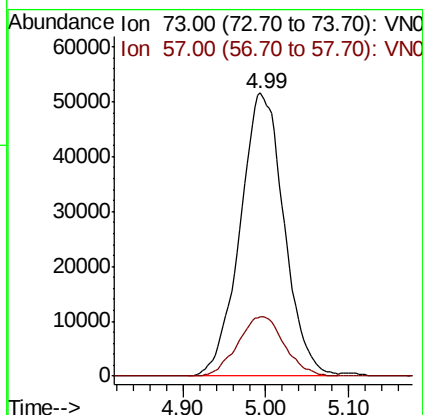
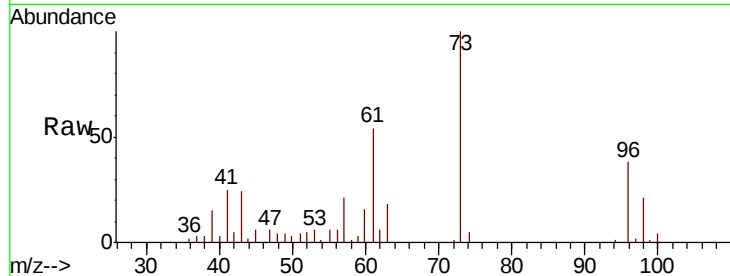




#19
Methvl tert-butvl Ether
Concen: 18.177 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

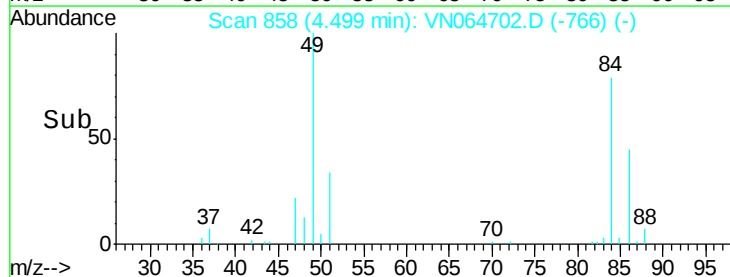
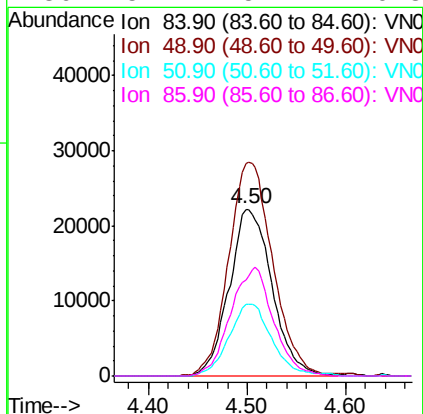
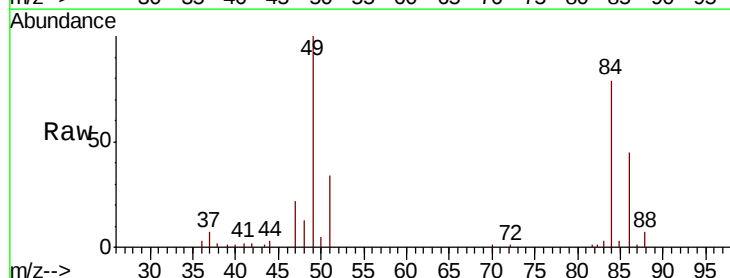
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

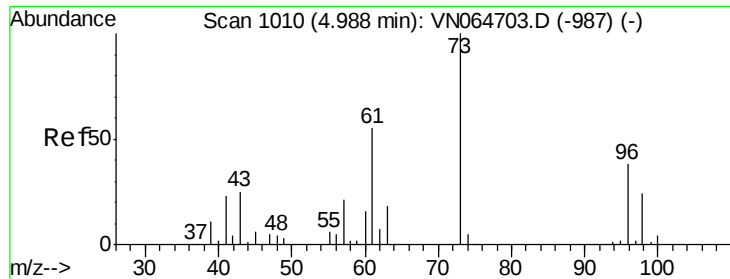
Tot Ion: 73 Resp: 190226
Ion Ratio Lower Upper
73 100
57 21.0 17.3 25.9



#20
Methylene Chloride
Concen: 18.607 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion: 84 Resp: 67037
Ion Ratio Lower Upper
84 100
49 126.3 102.4 153.6
51 43.1 29.4 44.2
86 57.7 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.199 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

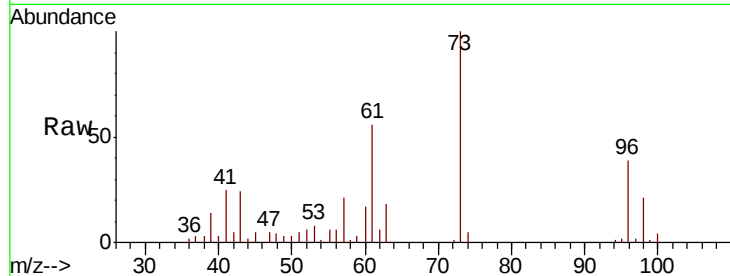
Tot Ion: 96 Resp: 63522

Ion Ratio Lower Upper

96 100

61 143.6 117.9 176.9

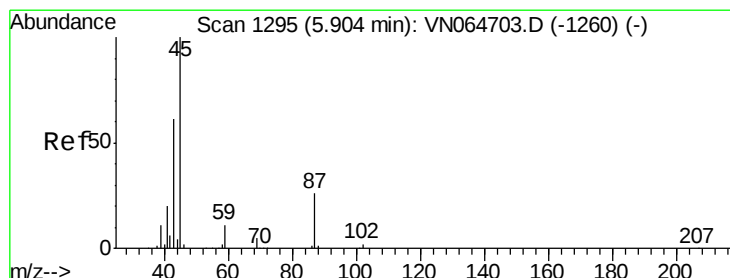
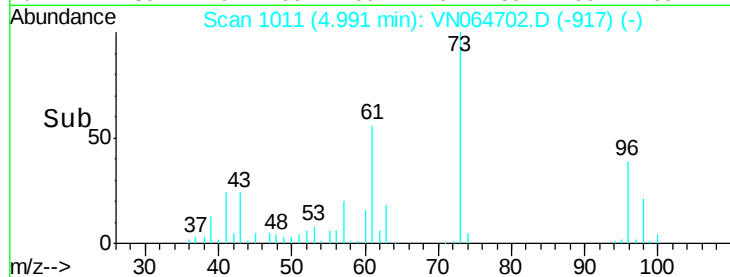
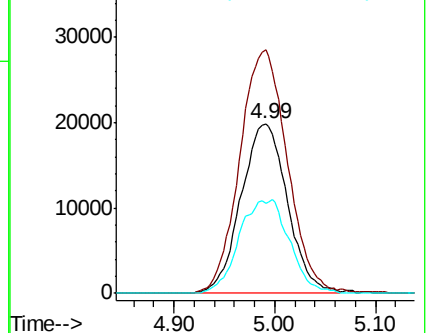
98 53.1 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VN064702.D (-917) (-)

Ion 60.90 (60.60 to 61.60): VN064702.D (-917) (-)

Ion 97.90 (97.60 to 98.60): VN064702.D (-917) (-)



#22

Diisopropyl ether

Concen: 17.627 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Tgt Ion: 45 Resp: 209834

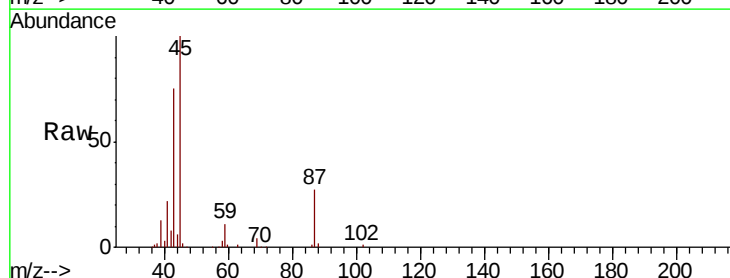
Ion Ratio Lower Upper

45 100

43 72.9 52.3 78.5

87 26.3 21.6 32.4

59 10.6 8.7 13.1

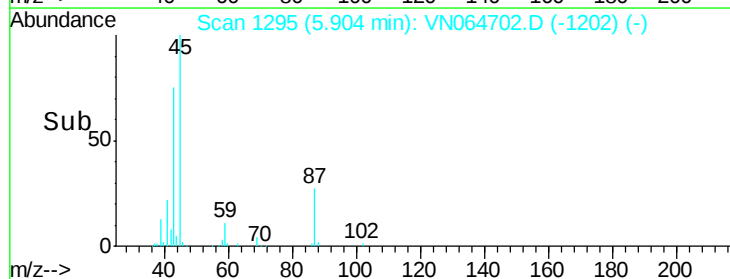
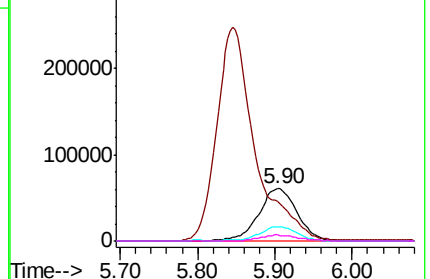


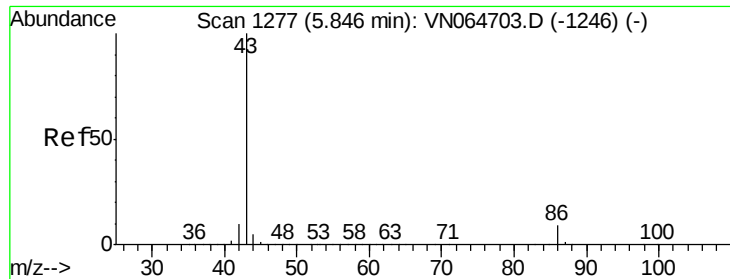
Abundance Ion 45.00 (44.70 to 45.70): VN064702.D (-1202) (-)

Ion 43.00 (42.70 to 43.70): VN064702.D (-1202) (-)

Ion 87.00 (86.70 to 87.70): VN064702.D (-1202) (-)

Ion 59.00 (58.70 to 59.70): VN064702.D (-1202) (-)

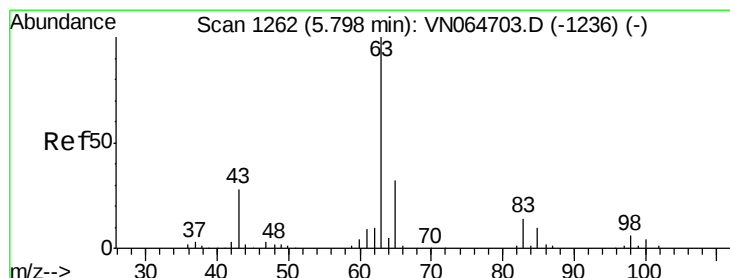
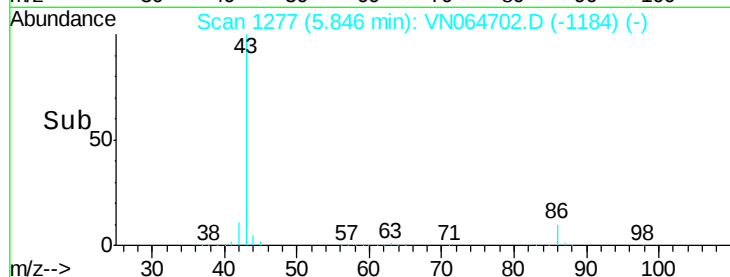
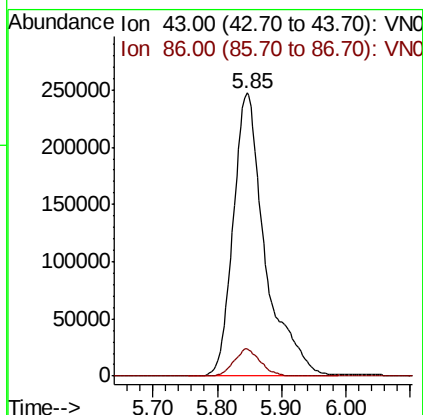
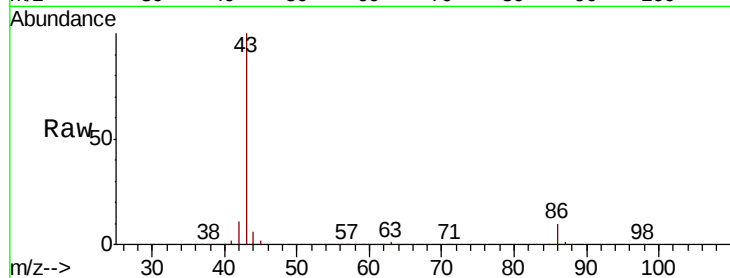




#23
 Vinyl Acetate
 Concen: 88.439 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

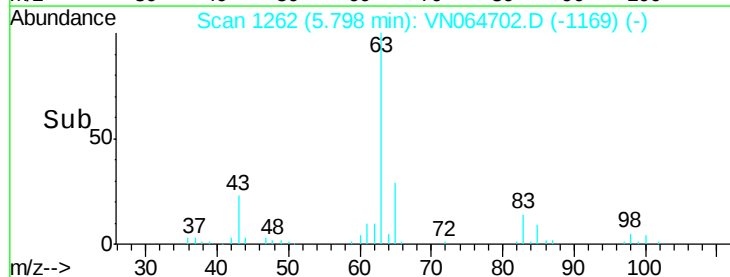
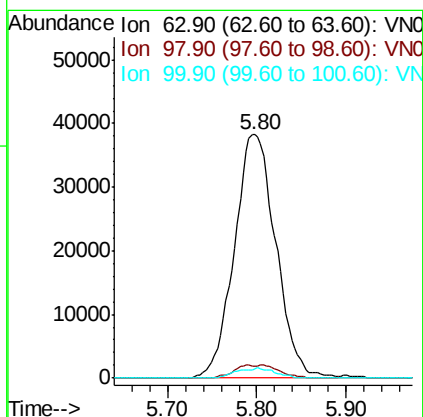
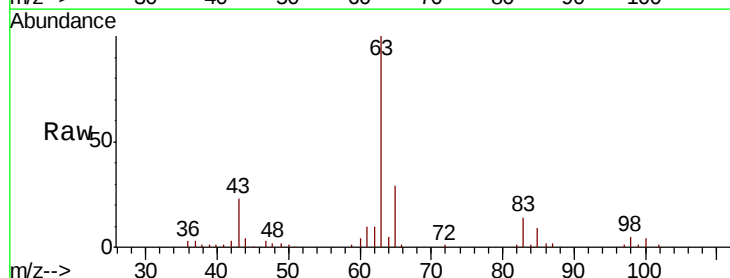
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

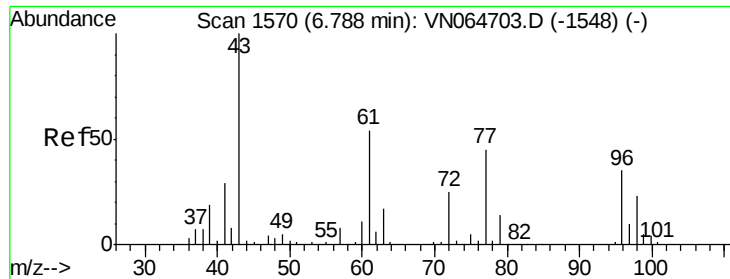
Tot Ion: 43 Resp: 852784
 Ion Ratio Lower Upper
 43 100
 86 9.5 7.4 11.0



#24
 1,1-Dichloroethane
 Concen: 18.695 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Tgt Ion: 63 Resp: 123470
 Ion Ratio Lower Upper
 63 100
 98 4.7 3.2 9.6
 100 3.9 1.9 5.7

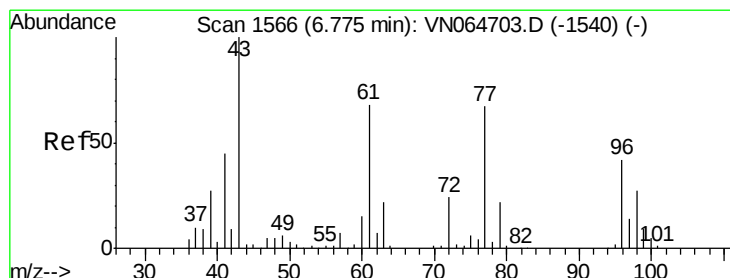
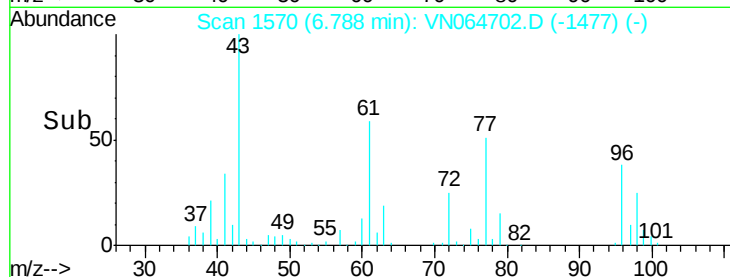
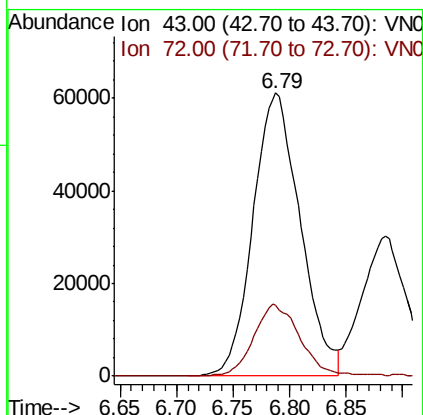
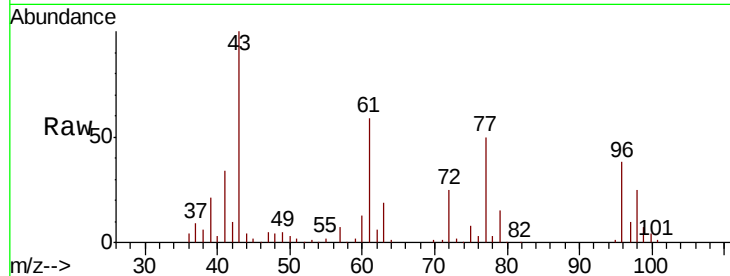




#25
2-Butanone
Concen: 79.757 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

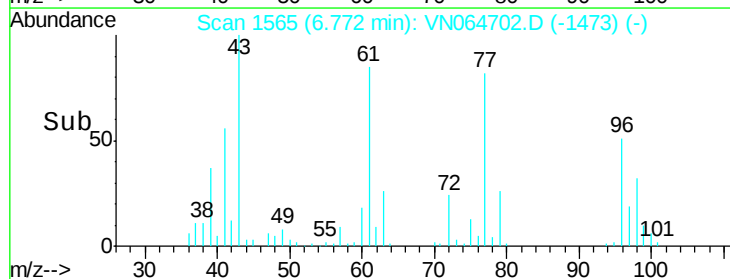
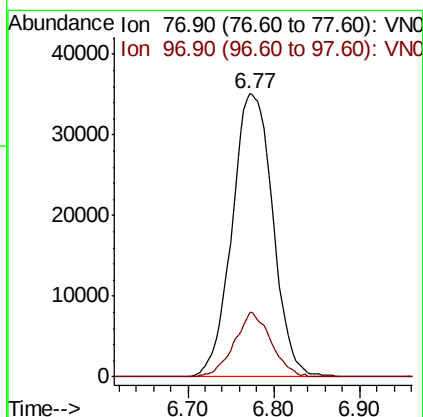
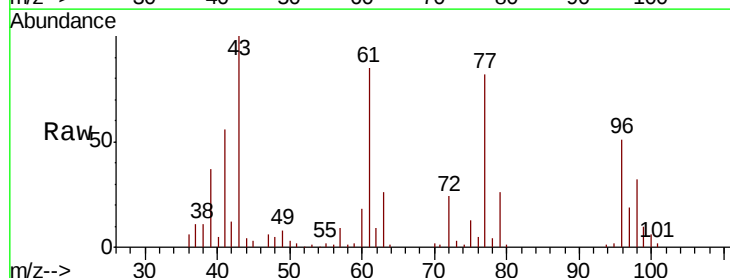
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

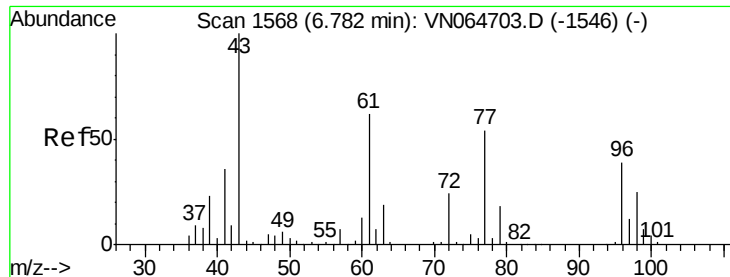
Tot Ion: 43 Resp: 177152
Ion Ratio Lower Upper
43 100
72 25.0 19.7 29.5



#26
2,2-Dichloropropane
Concen: 19.086 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion: 77 Resp: 115337
Ion Ratio Lower Upper
77 100
97 20.7 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 18.292 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

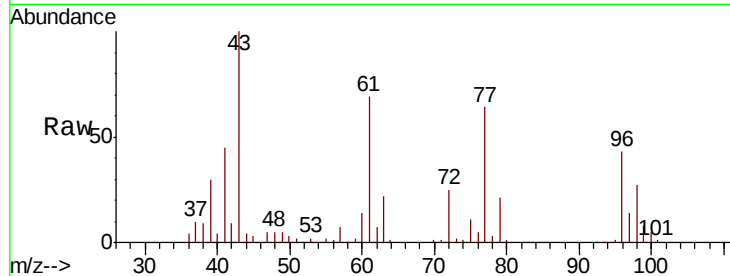
Tot Ion: 96 Resp: 69830

Ion Ratio Lower Upper

96 100

61 163.3 0.0 322.6

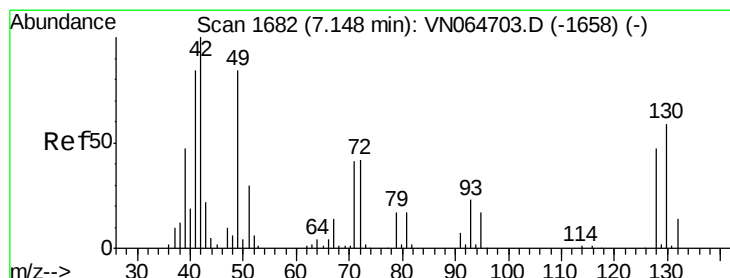
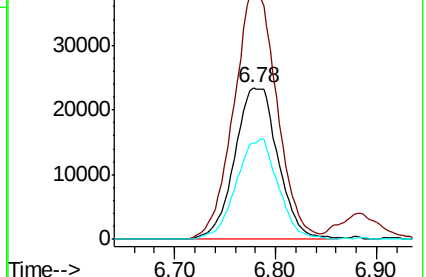
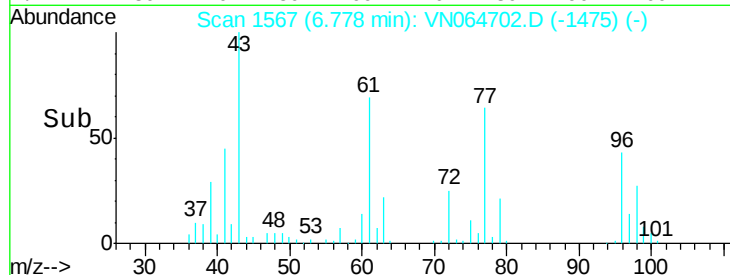
98 64.1 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VN064702.D (-1475) (-)

Ion 60.90 (60.60 to 61.60): VN064702.D (-1475) (-)

Ion 97.90 (97.60 to 98.60): VN064702.D (-1475) (-)



#28

Bromochloromethane

Concen: 18.593 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

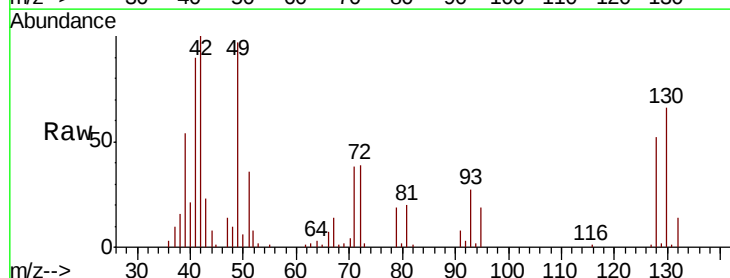
Tgt Ion: 49 Resp: 62072

Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.8

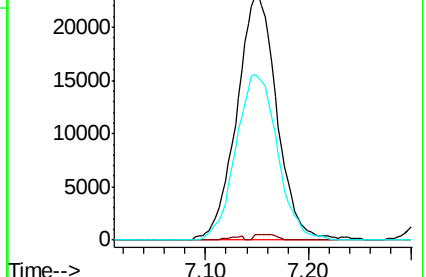
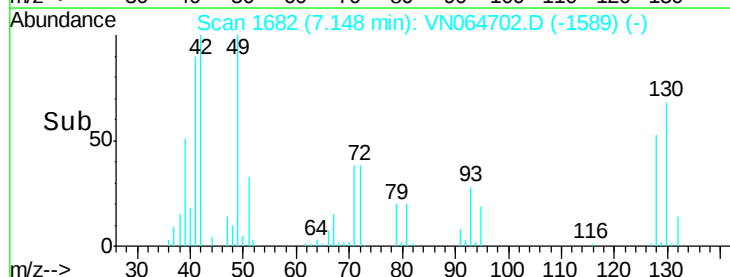
130 70.0 56.2 84.4

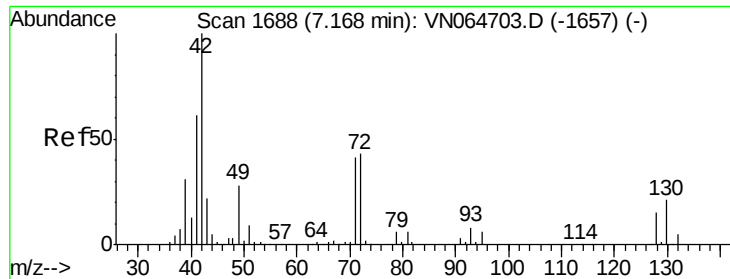


Abundance Ion 48.90 (48.60 to 49.60): VN064702.D (-1589) (-)

Ion 128.80 (128.50 to 129.50): VN064702.D (-1589) (-)

Ion 129.80 (129.50 to 130.50): VN064702.D (-1589) (-)

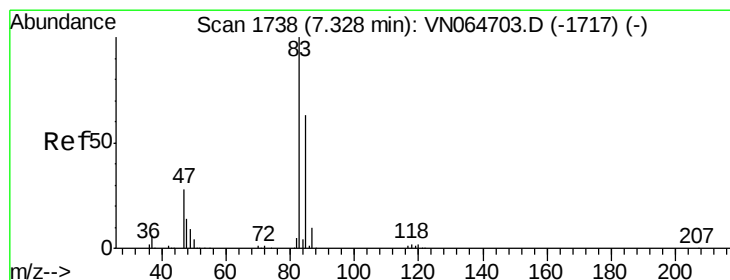
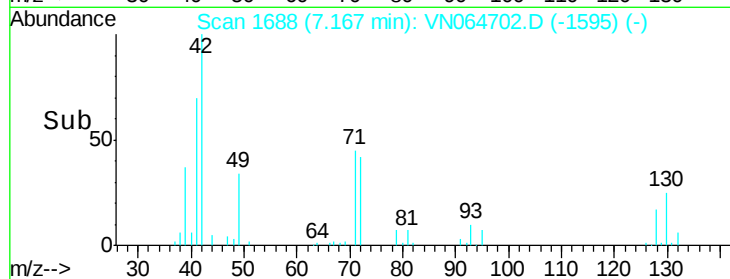
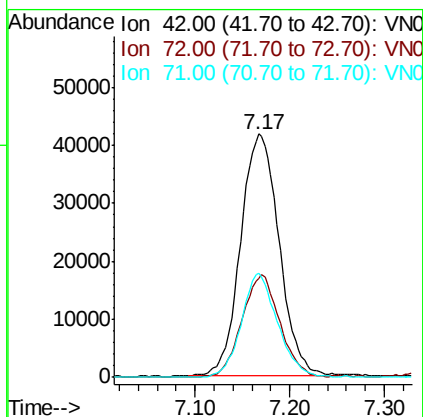
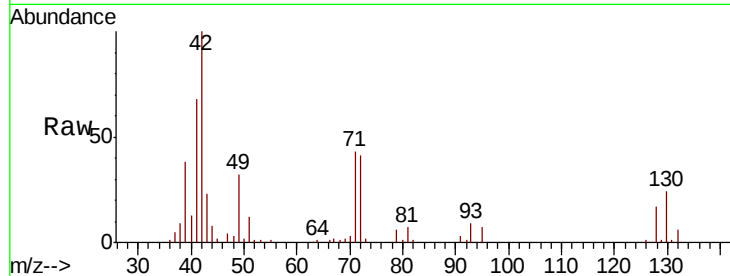




#29
Tetrahydrofuran
Concen: 84.962 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

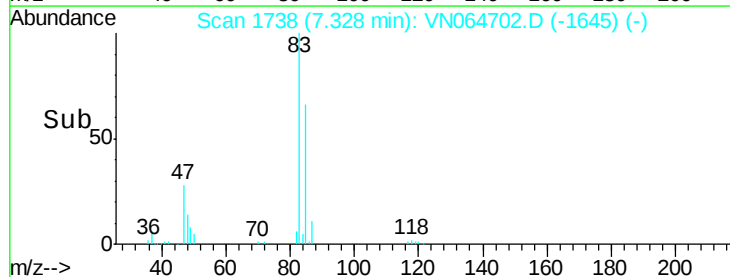
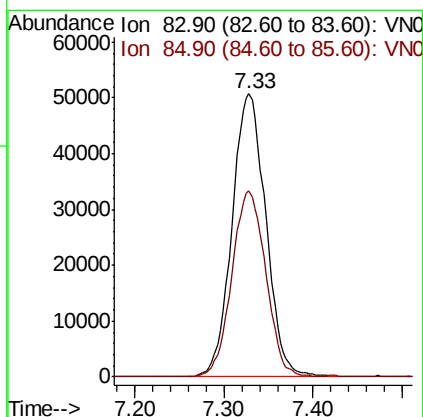
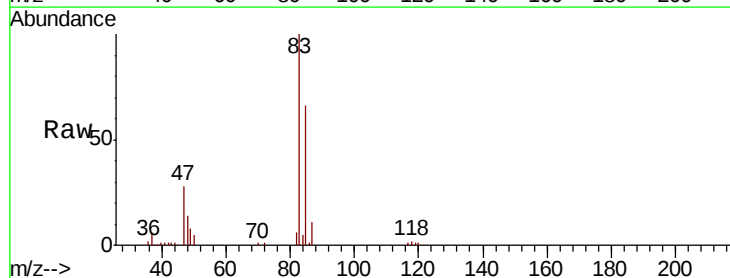
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

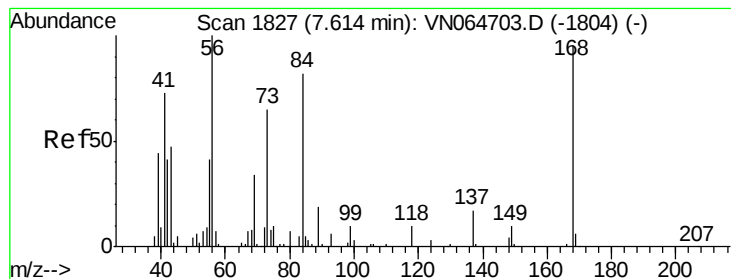
Tot Ion: 42 Resp: 118340
Ion Ratio Lower Upper
42 100
72 41.7 33.0 49.4
71 40.3 31.8 47.6



#30
Chloroform
Concen: 19.055 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion: 83 Resp: 132984
Ion Ratio Lower Upper
83 100
85 65.8 50.6 75.8





#31

Cyclohexane

Concen: 17.004 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

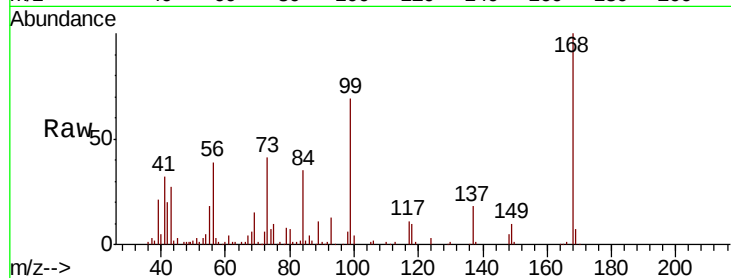
Tot Ion: 56 Resp: 96066

Ion Ratio Lower Upper

56 100

69 40.0 27.2 40.8

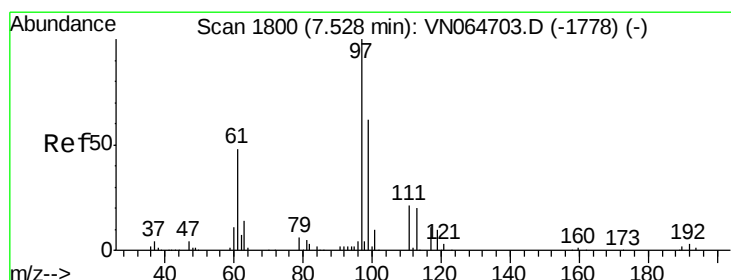
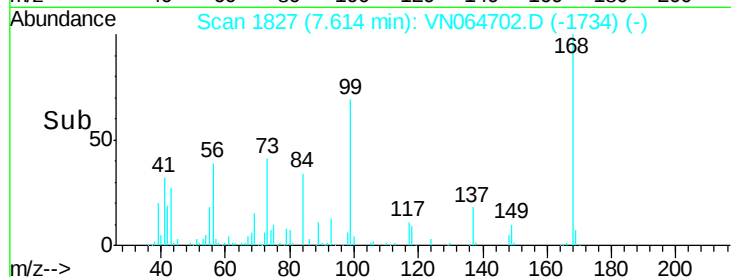
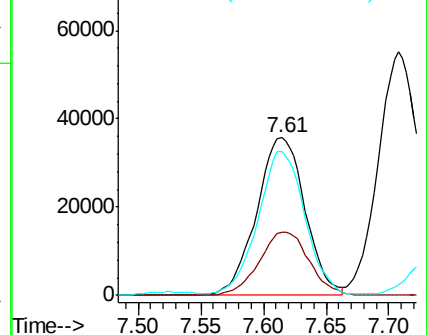
84 89.5 65.9 98.9



Abundance Ion 56.00 (55.70 to 56.70): VN064702.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN064702.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN064702.D (-1734) (-)



#32

1,1,1-Trichloroethane

Concen: 19.014 ug/l

RT: 7.52 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

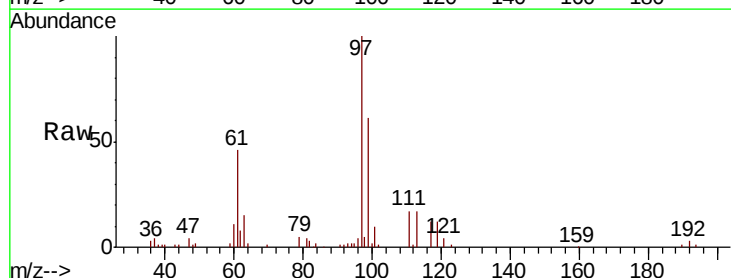
Tgt Ion: 97 Resp: 118230

Ion Ratio Lower Upper

97 100

99 64.8 50.6 76.0

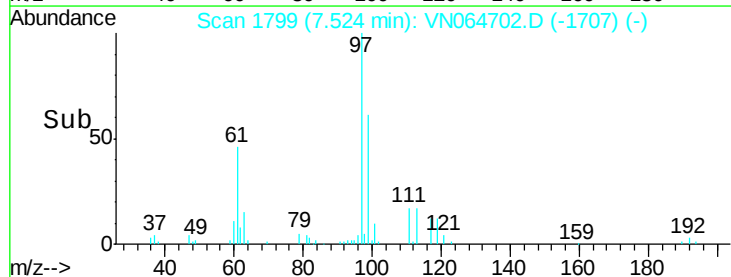
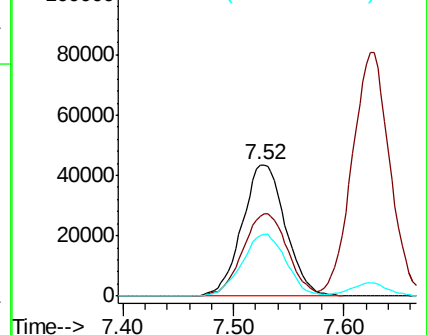
61 48.1 38.3 57.5

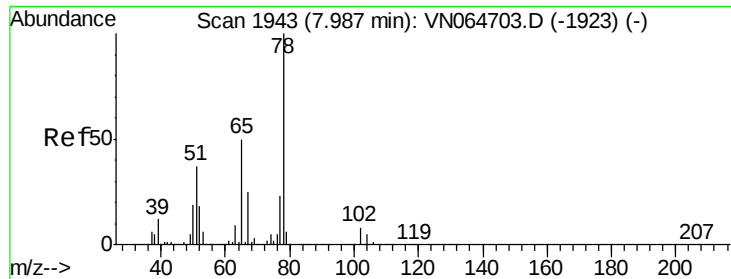


Abundance Ion 96.90 (96.60 to 97.60): VN064702.D (-1707) (-)

Ion 98.90 (98.60 to 99.60): VN064702.D (-1707) (-)

Ion 60.90 (60.60 to 61.60): VN064702.D (-1707) (-)

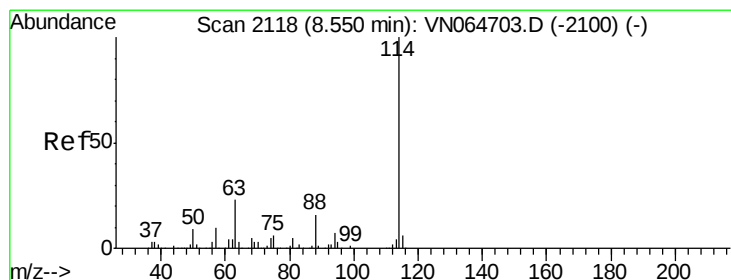
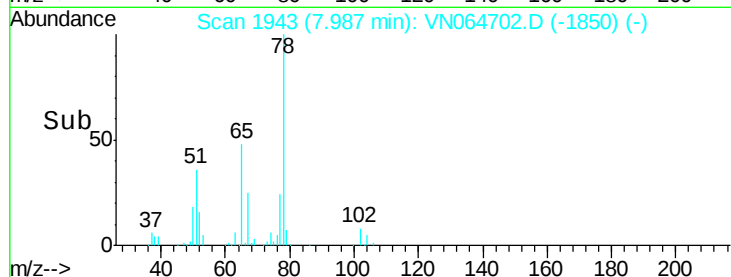
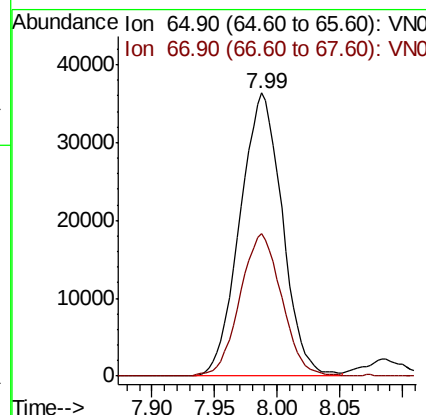
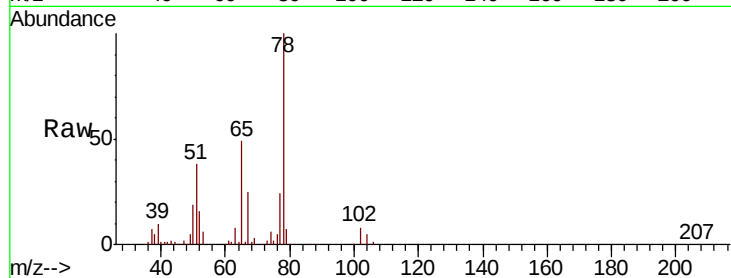




#33
 1,2-Dichloroethane-d4
 Concen: 17.688 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

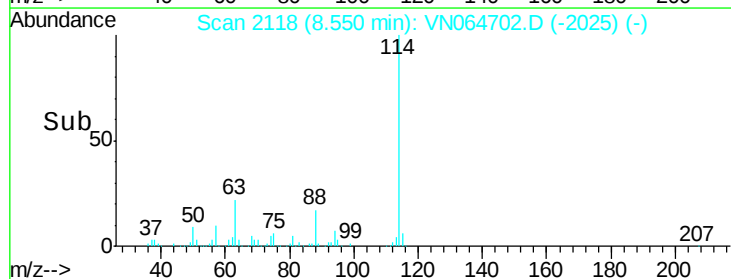
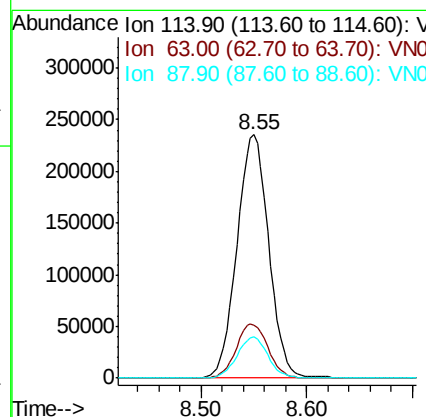
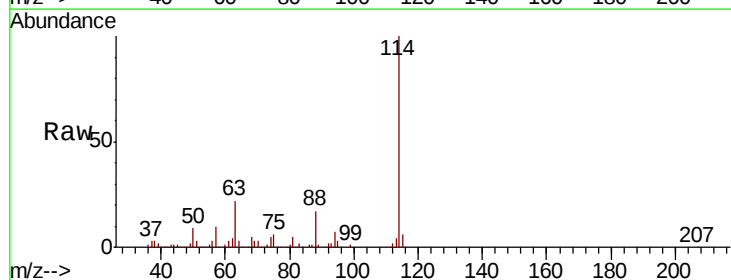
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

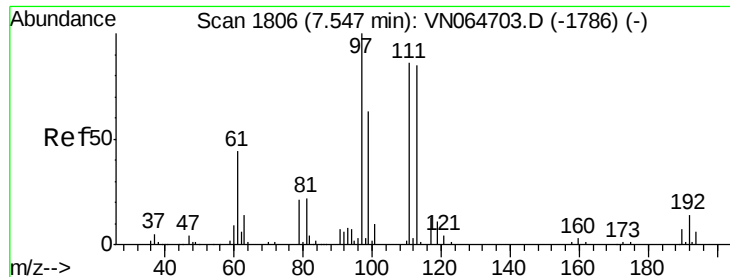
Tot Ion: 65 Resp: 85238
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Tgt Ion: 114 Resp: 491299
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 46.0
 88 16.7 0.0 31.2

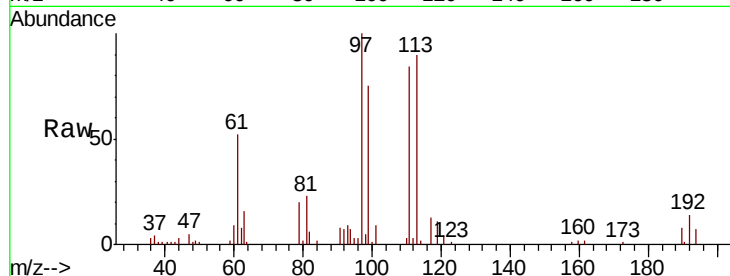




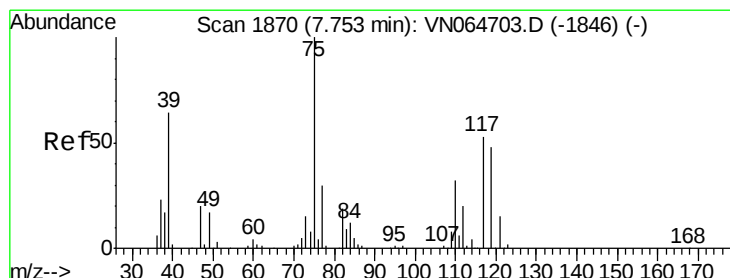
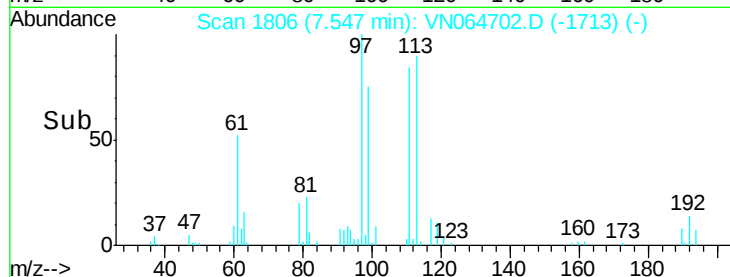
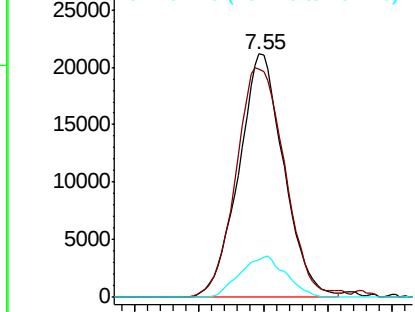
#35
Dibromofluoromethane
Concen: 15.867 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:113 Resp: 51470
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.4
192 17.2 12.7 19.1

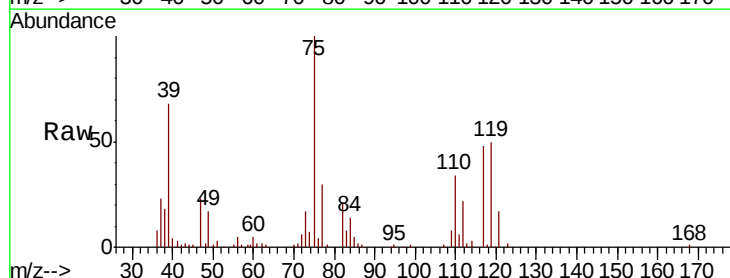


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

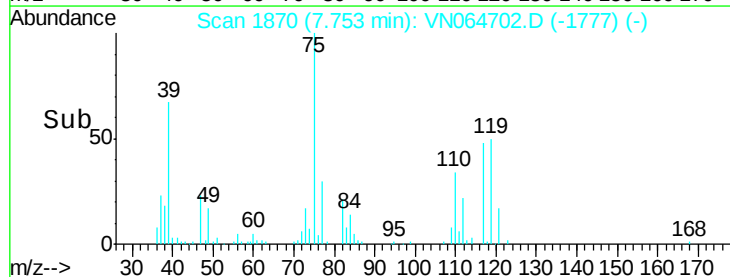
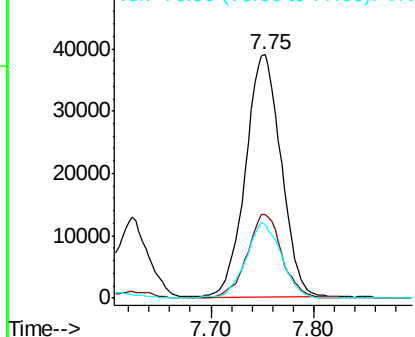


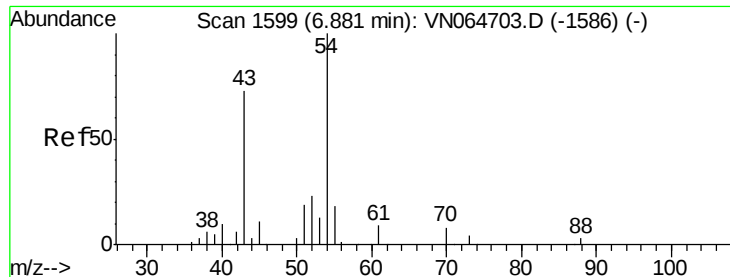
#36
1,1-Dichloropropene
Concen: 18.351 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion: 75 Resp: 93576
Ion Ratio Lower Upper
75 100
110 33.4 16.2 48.6
77 30.7 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

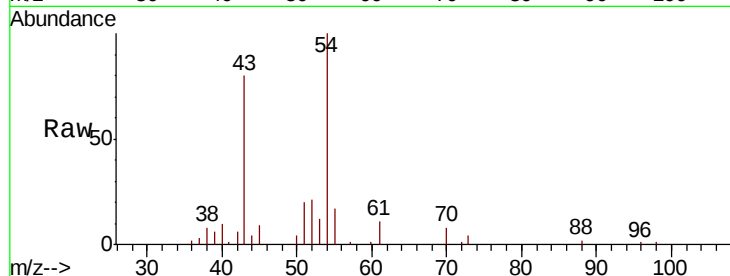




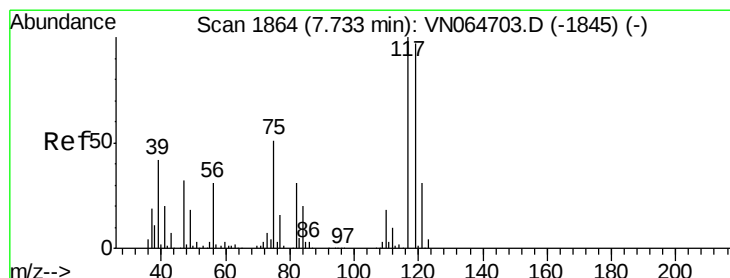
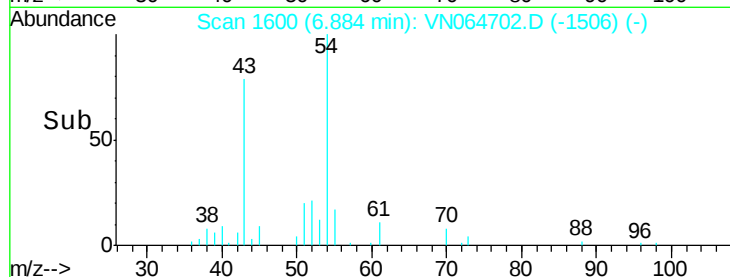
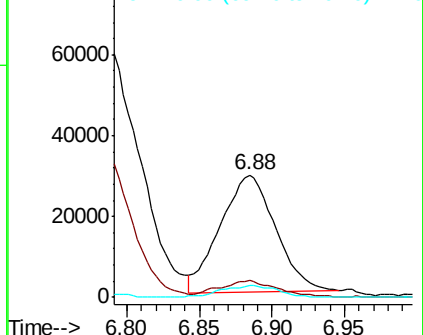
#37
Ethyl Acetate
Concen: 17.210 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 77192
Ion Ratio Lower Upper
43 100
61 14.0 10.4 15.6
70 10.5 7.6 11.4

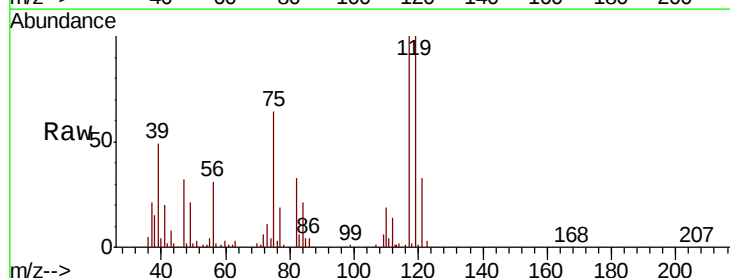


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

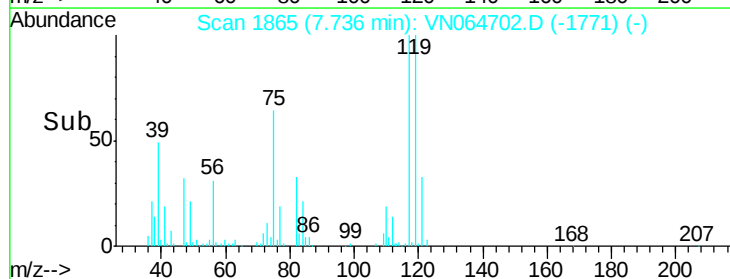
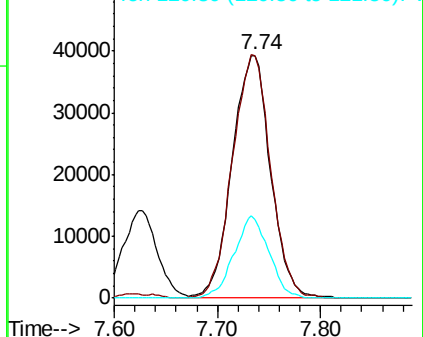


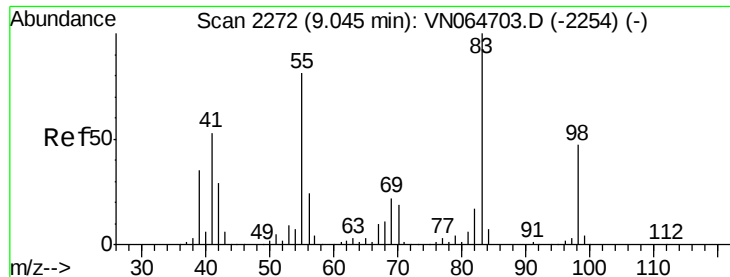
#38
Carbon Tetrachloride
Concen: 18.477 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion: 117 Resp: 101437
Ion Ratio Lower Upper
117 100
119 99.8 77.8 116.6
121 32.6 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

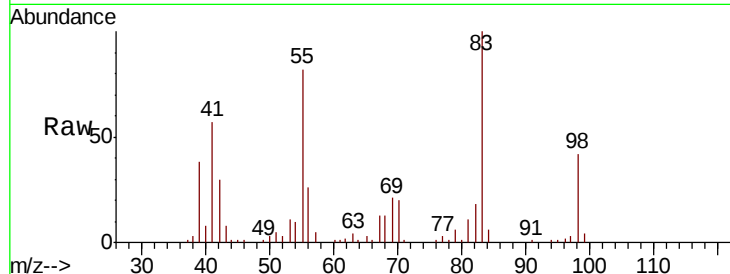




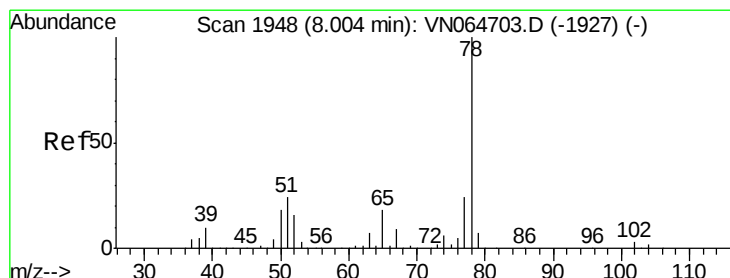
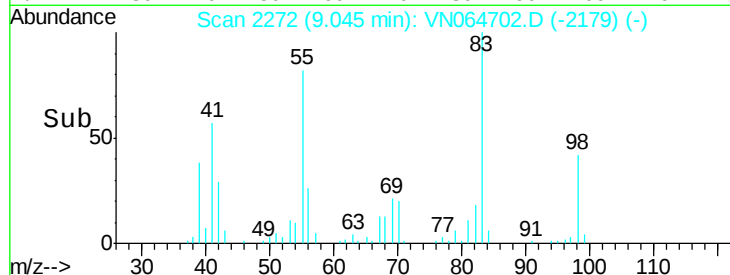
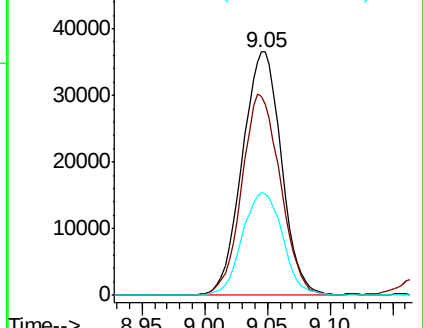
#39
Methvlcvclohexane
Concen: 17.454 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 79421
Ion Ratio Lower Upper
83 100
55 81.8 64.6 97.0
98 42.1 37.7 56.5

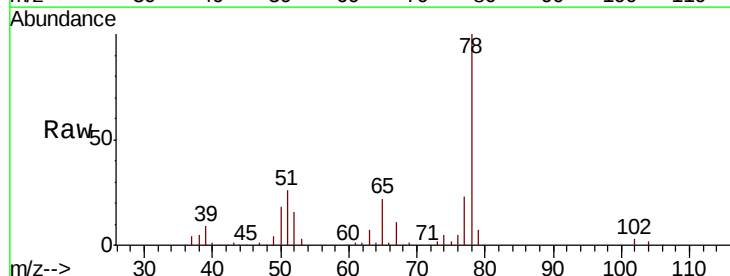


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

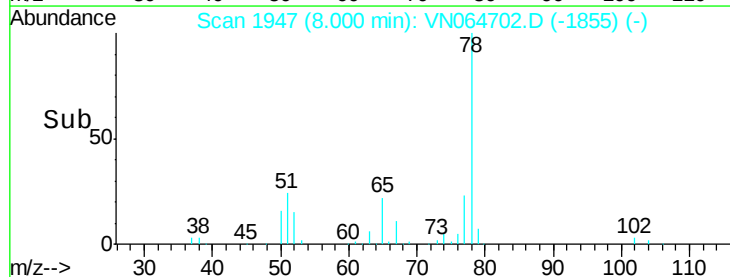
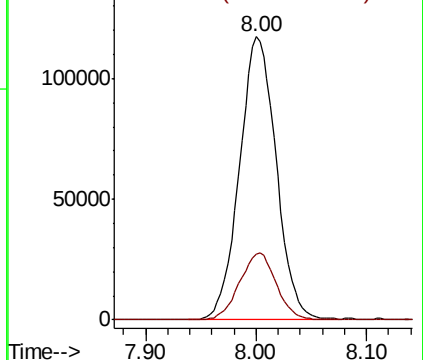


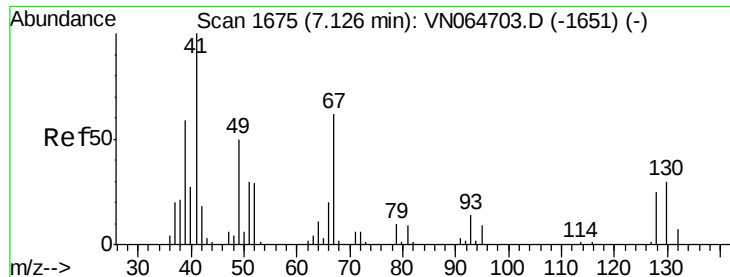
#40
Benzene
Concen: 18.063 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion: 78 Resp: 270212
Ion Ratio Lower Upper
78 100
77 23.4 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

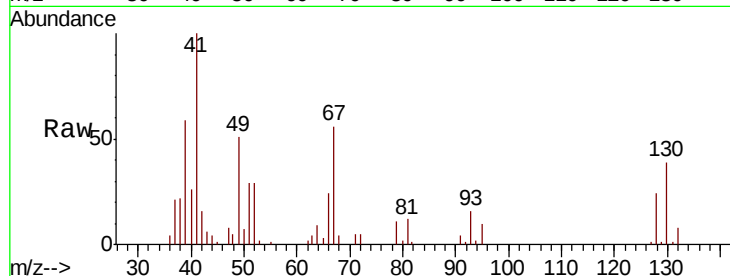




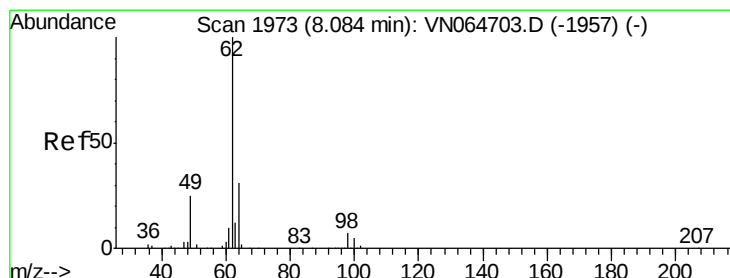
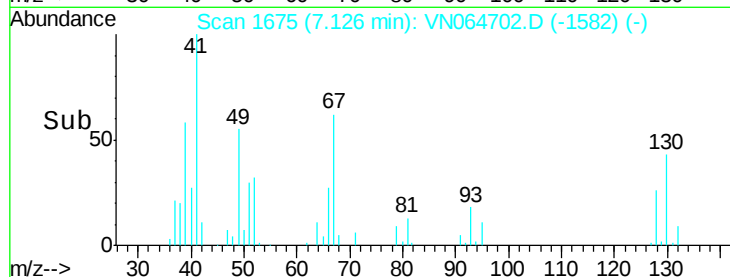
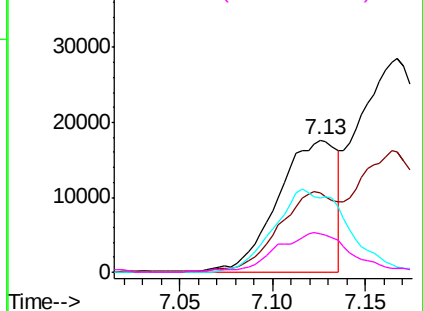
#41
Methacrylonitrile
Concen: 17.187 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	38984
Ion	Ratio	Lower	Upper
41	100		
39	57.3	46.0	69.0
67	78.7	67.0	100.4
52	38.5	31.7	47.5

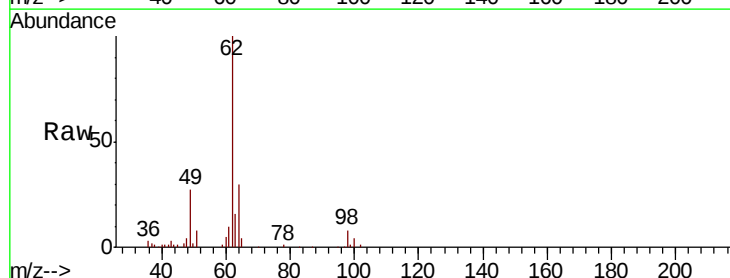


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

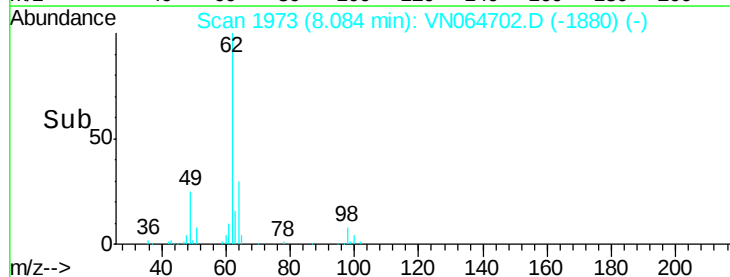
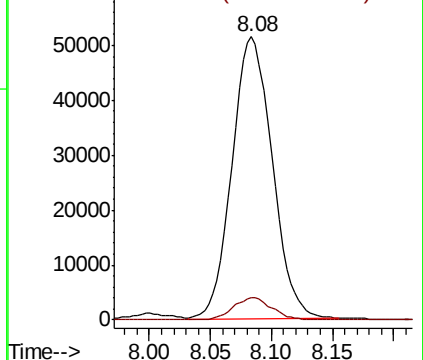


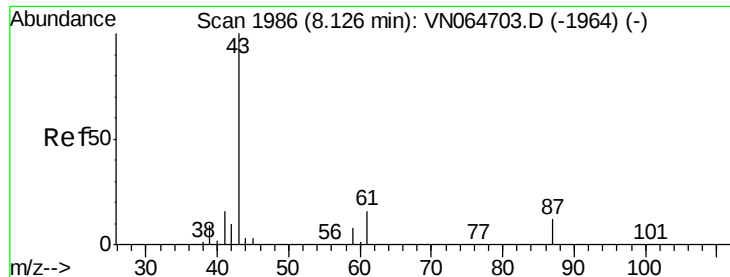
#42
1,2-Dichloroethane
Concen: 19.363 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion:	62	Resp:	117686
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	13.6



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 18.072 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

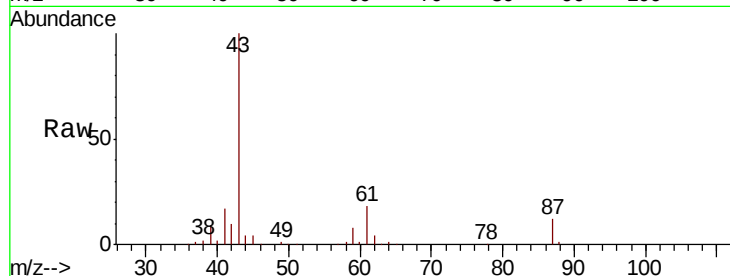
Tot Ion: 43 Resp: 148847

Ion Ratio Lower Upper

43 100

61 17.6 14.1 21.1

87 11.0 9.1 13.7



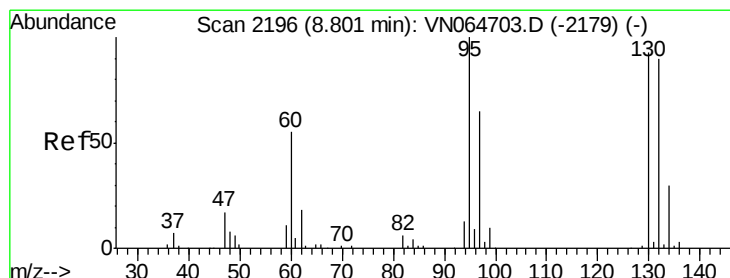
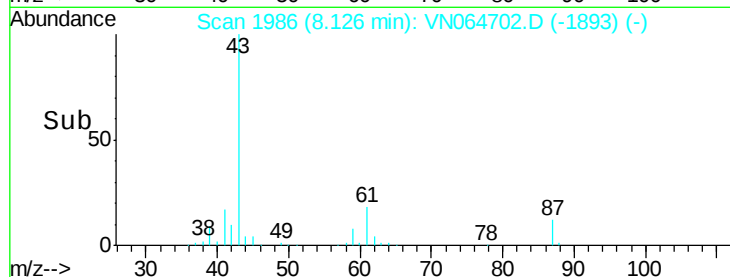
Abundance Ion 43.00 (42.70 to 43.70): VN064702.D (-1893) (-)

Ion 61.00 (60.70 to 61.70): VN064702.D (-1893) (-)

Ion 87.00 (86.70 to 87.70): VN064702.D (-1893) (-)

8.13

Time-->



#44

Trichloroethene

Concen: 19.948 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064702.D

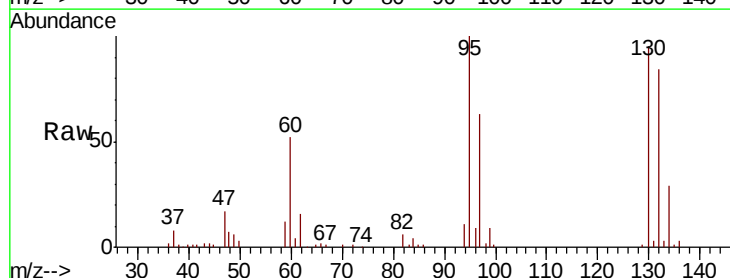
Acq: 18 Nov 2020 12:37

Tgt Ion:130 Resp: 76156

Ion Ratio Lower Upper

130 100

95 105.1 0.0 214.2

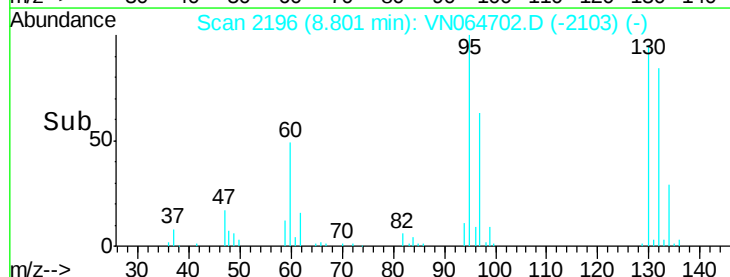


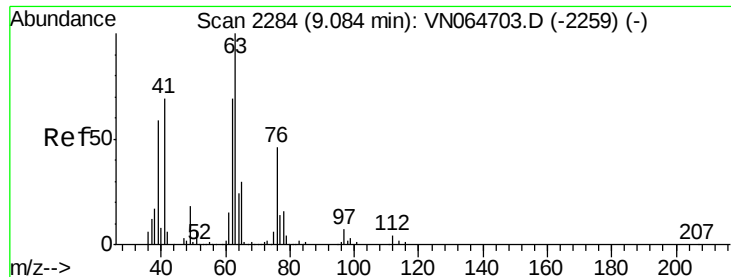
Abundance Ion 129.80 (129.50 to 130.50): VN064702.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN064702.D (-2103) (-)

8.80

Time-->





#45

1,2-Dichloropropane

Concen: 18.257 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

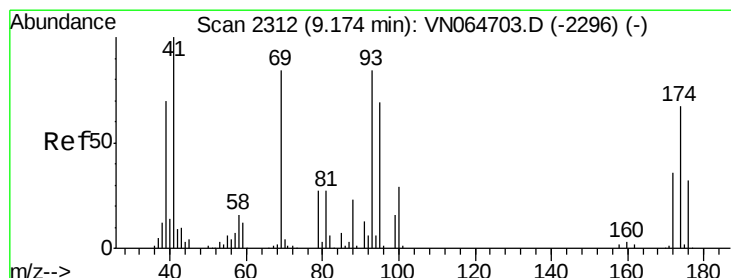
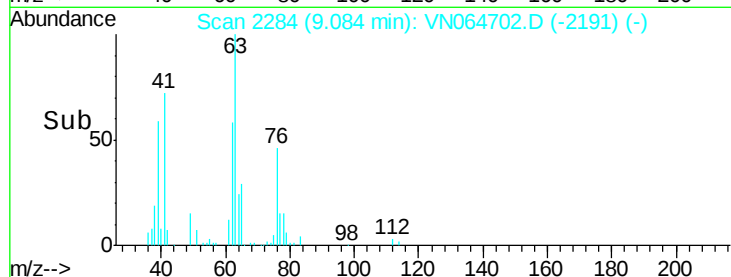
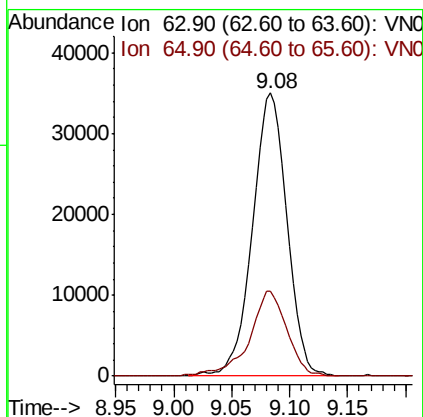
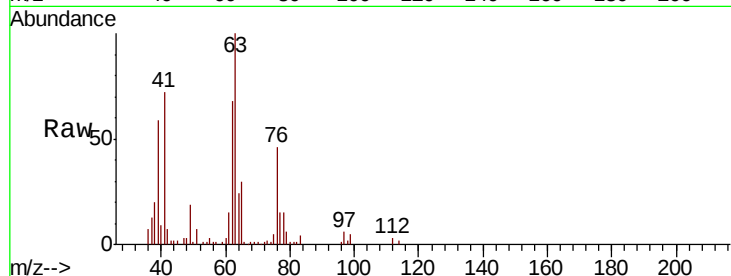
VSTDIC020

Tot Ion: 63 Resp: 72674

Ion Ratio Lower Upper

63 100

65 30.0 24.0 36.0



#46

Dibromomethane

Concen: 18.967 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

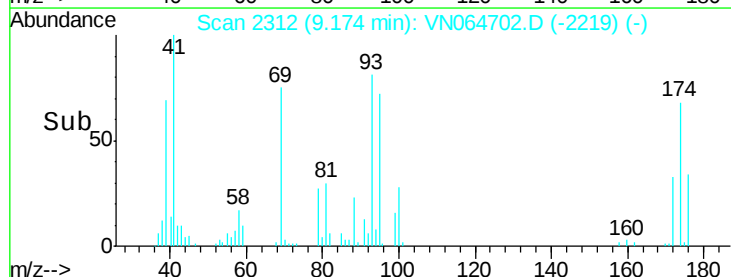
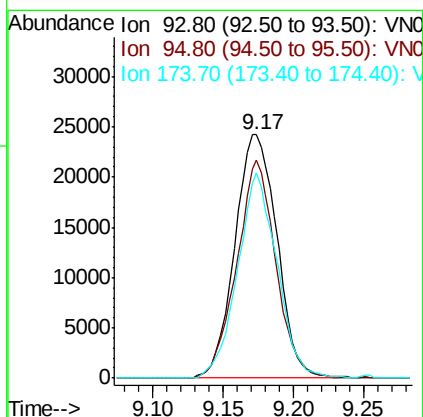
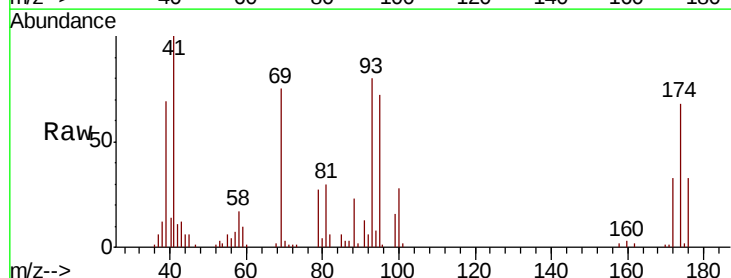
Tgt Ion: 93 Resp: 50500

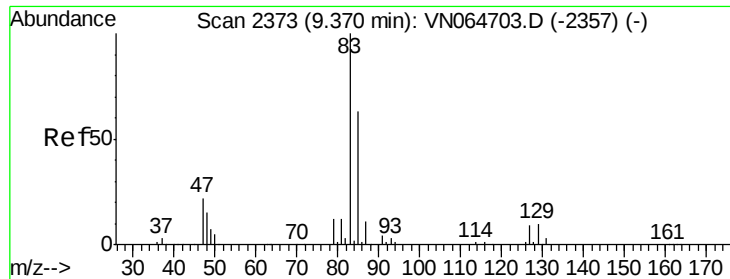
Ion Ratio Lower Upper

93 100

95 83.4 64.6 97.0

174 79.1 64.3 96.5





#47

Bromodichloromethane

Concen: 18.271 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

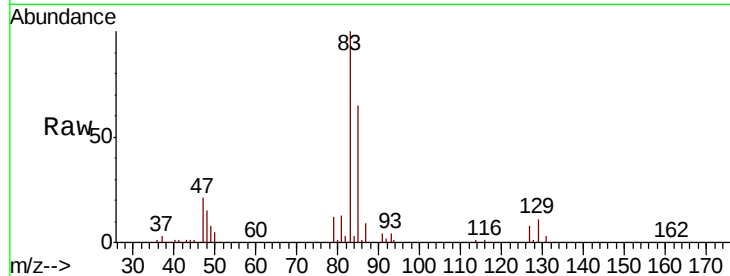
Tot Ion: 83 Resp: 104031

Ion Ratio Lower Upper

83 100

85 65.2 50.8 76.2

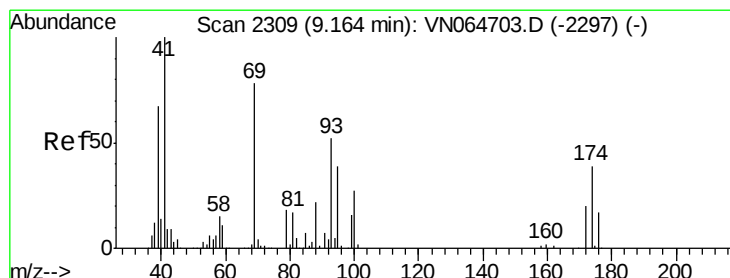
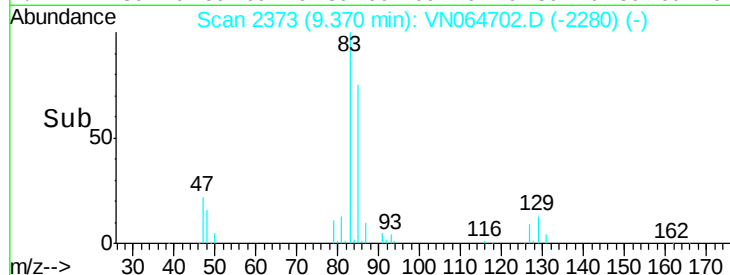
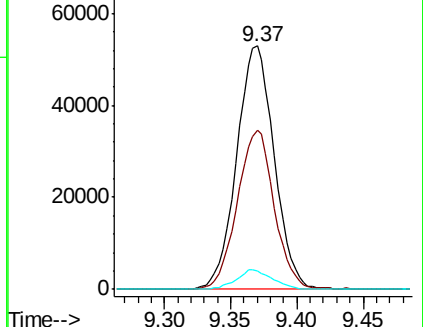
127 7.7 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN064702.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064702.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064702.D (-2280) (-)



#48

Methyl methacrylate

Concen: 17.339 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

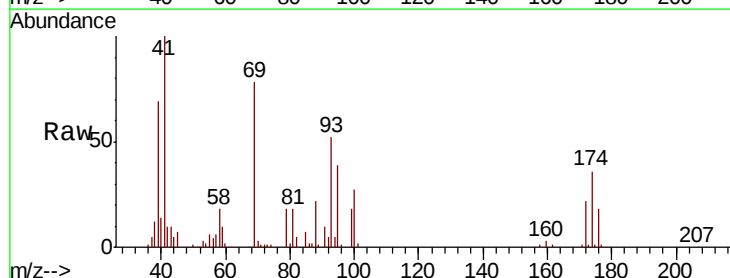
Tgt Ion: 41 Resp: 71892

Ion Ratio Lower Upper

41 100

69 77.9 62.3 93.5

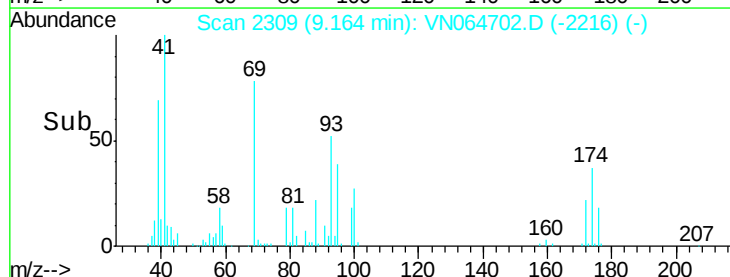
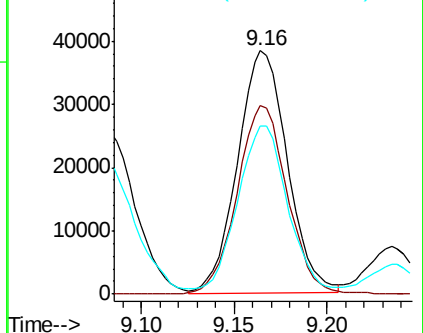
39 69.2 55.1 82.7

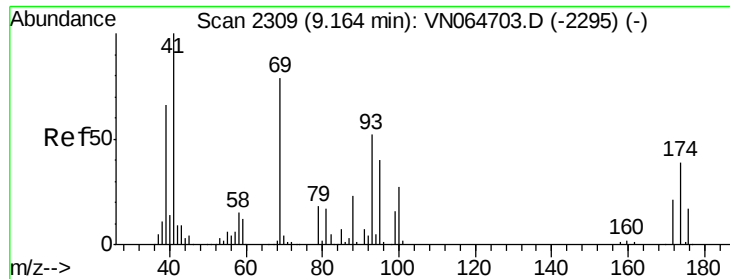


Abundance Ion 41.00 (40.70 to 41.70): VN064702.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN064702.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN064702.D (-2216) (-)





#49

1,4-Dioxane

Concen: 340.240 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

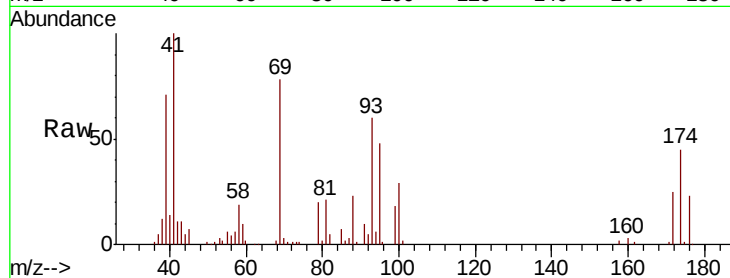
Tot Ion: 88 Resp: 18318

Ion Ratio Lower Upper

88 100

43 37.2 31.3 46.9

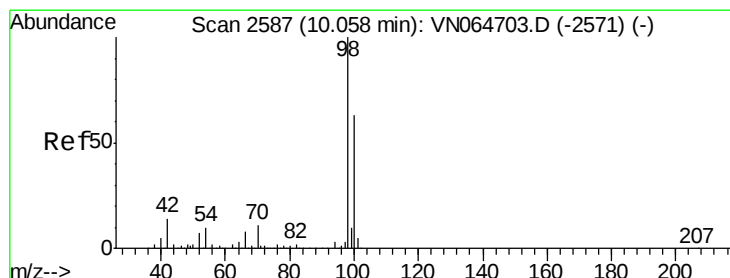
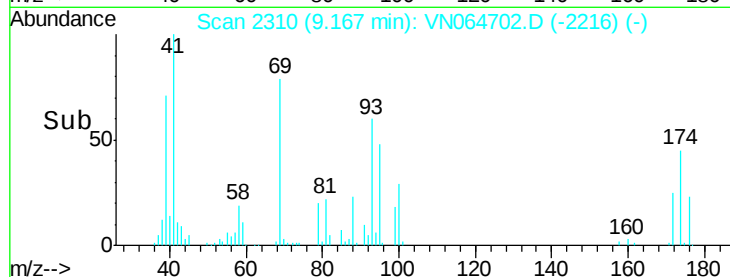
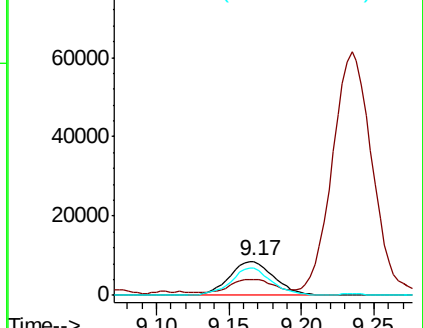
58 73.3 55.7 83.5



Abundance Ion 88.00 (87.70 to 88.70): VN064702.D (-2310) (-)

Ion 43.00 (42.70 to 43.70): VN064702.D (-2310) (-)

Ion 58.00 (57.70 to 58.70): VN064702.D (-2310) (-)



#50

Toluene-d8

Concen: 16.605 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064702.D

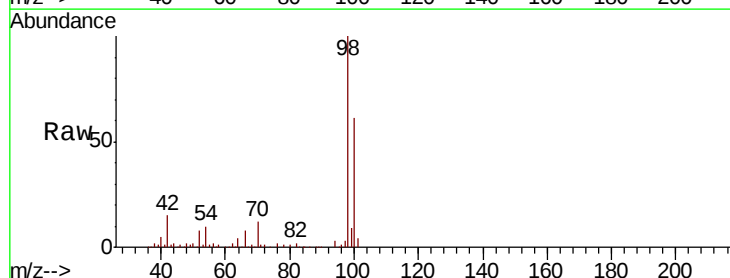
Acq: 18 Nov 2020 12:37

Tgt Ion: 98 Resp: 214133

Ion Ratio Lower Upper

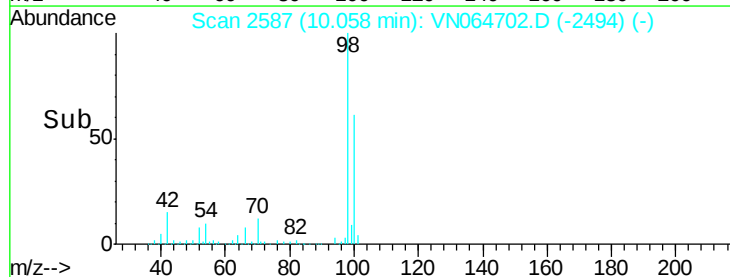
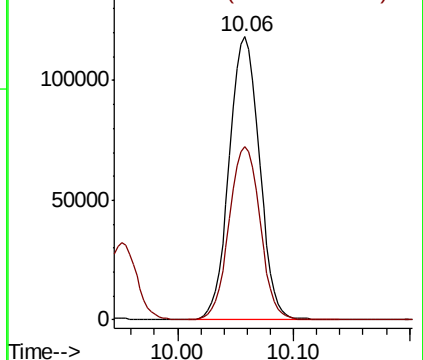
98 100

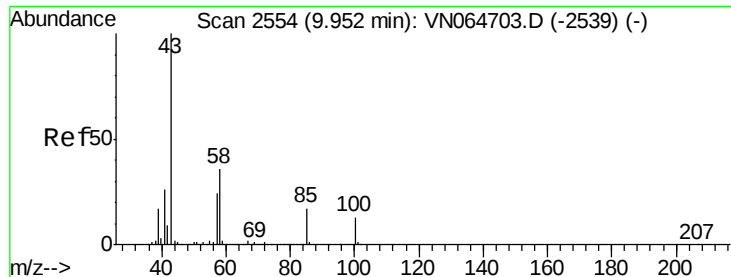
100 62.3 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN064702.D (-2587) (-)

Ion 100.00 (99.70 to 100.70): VN064702.D (-2587) (-)





#51

4-Methyl-2-Pentanone

Concen: 90.514 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

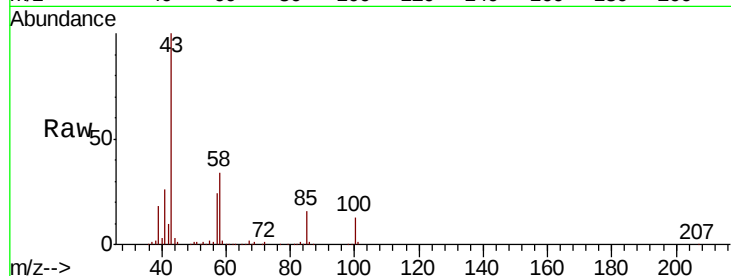
VSTDIC020

Tot Ion: 43 Resp: 432331

Ion Ratio Lower Upper

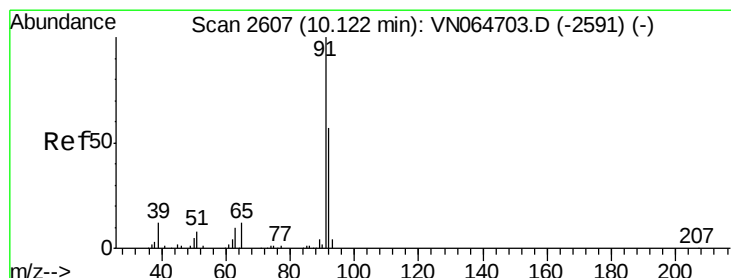
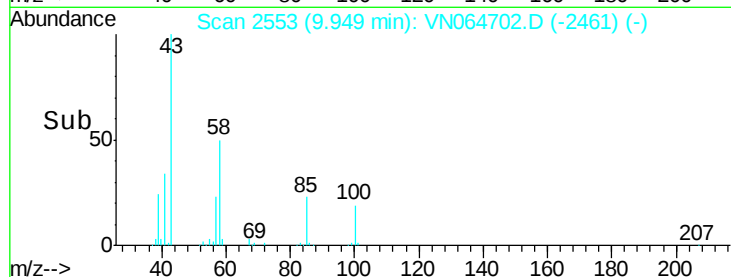
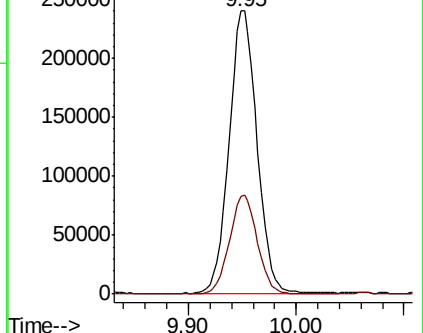
43 100

58 35.1 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN064703.D (-2539) (-)

Ion 58.00 (57.70 to 58.70): VN064703.D (-2539) (-)



#52

Toluene

Concen: 17.935 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064702.D

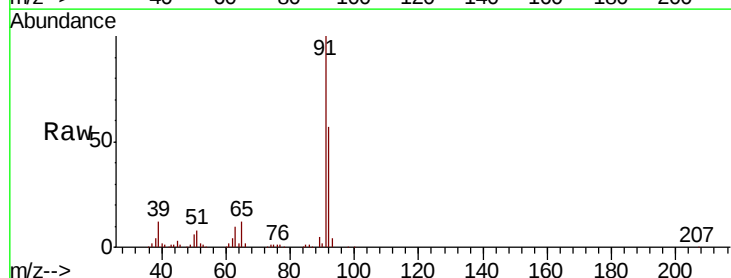
Acq: 18 Nov 2020 12:37

Tgt Ion: 92 Resp: 163850

Ion Ratio Lower Upper

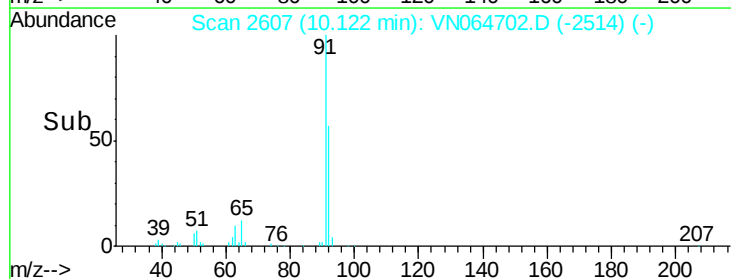
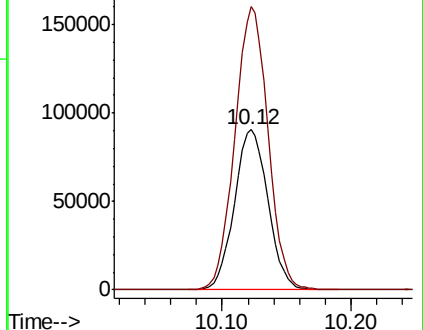
92 100

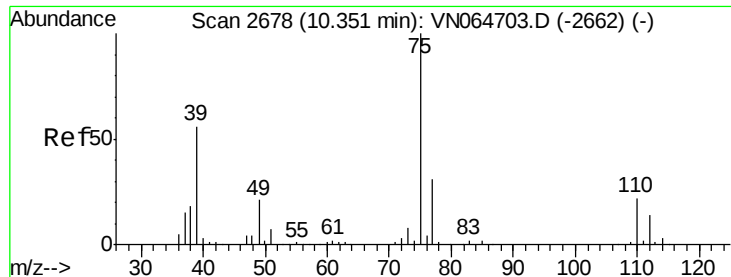
91 174.2 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN064703.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN064703.D (-2591) (-)





#53

t-1,3-Dichloropropene

Concen: 18.363 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

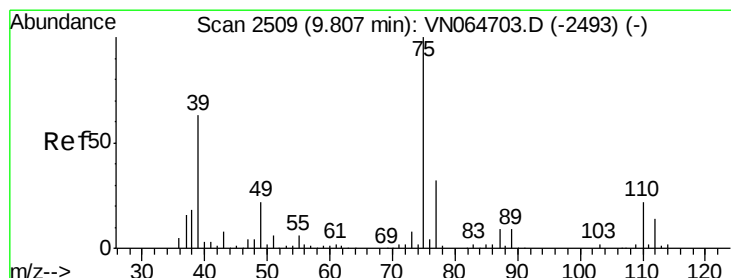
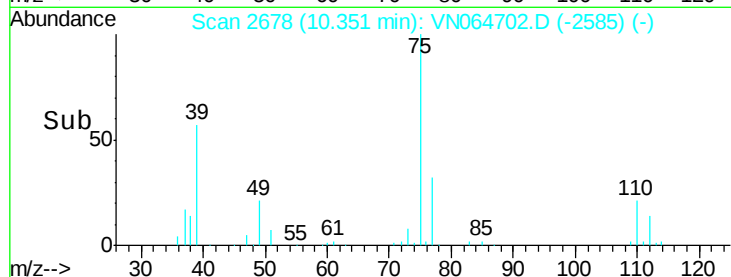
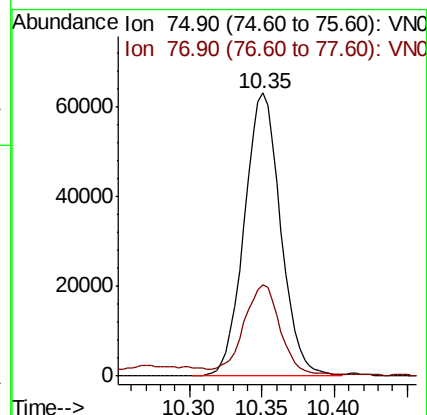
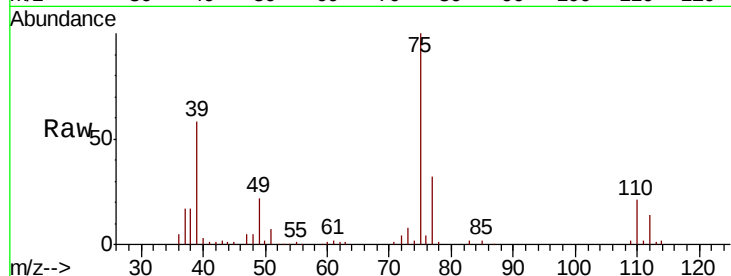
VSTDIC020

Tot Ion: 75 Resp: 110303

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 18.809 ug/l

RT: 9.80 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

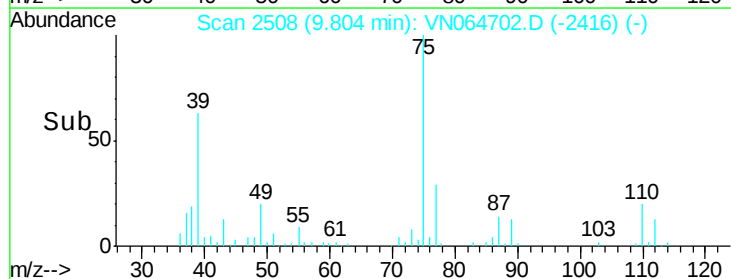
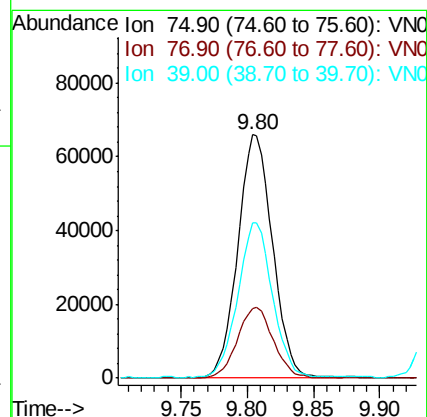
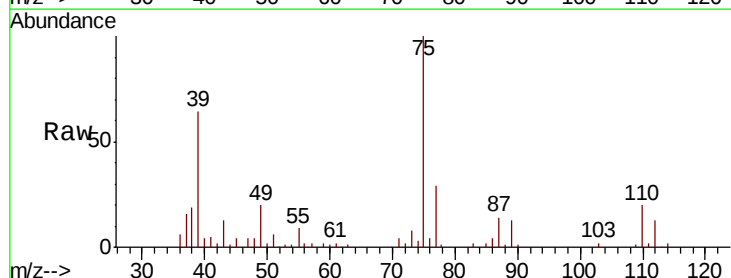
Tgt Ion: 75 Resp: 120172

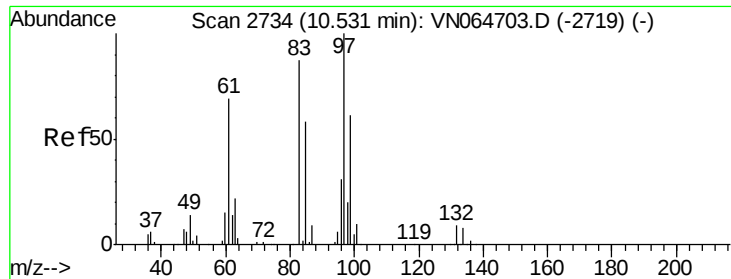
Ion Ratio Lower Upper

75 100

77 28.5 25.8 38.8

39 63.2 50.5 75.7





#55

1,1,2-Trichloroethane

Concen: 18.712 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 97 Resp: 67016

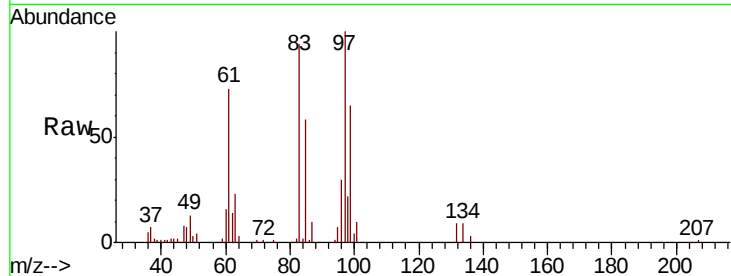
Ion Ratio Lower Upper

97 100

83 94.2 69.6 104.4

85 58.4 46.6 70.0

99 64.8 48.9 73.3

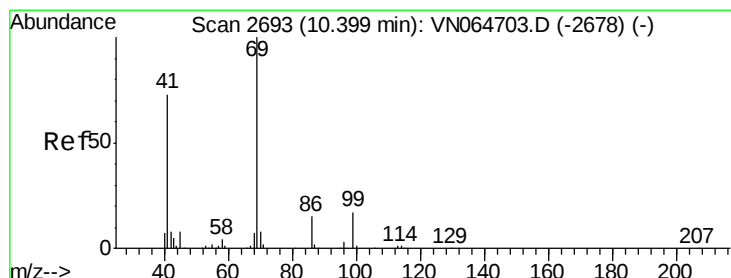
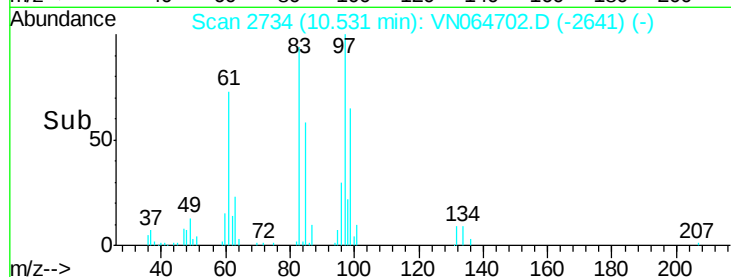
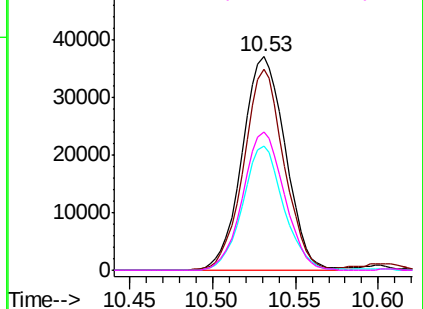


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 17.278 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

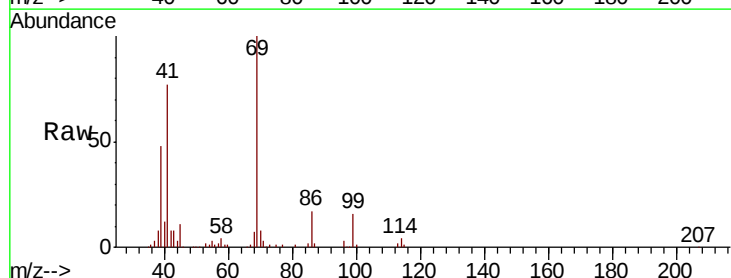
Tgt Ion: 69 Resp: 89202

Ion Ratio Lower Upper

69 100

41 76.5 59.0 88.4

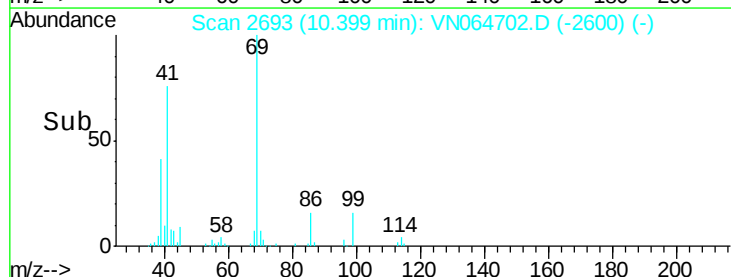
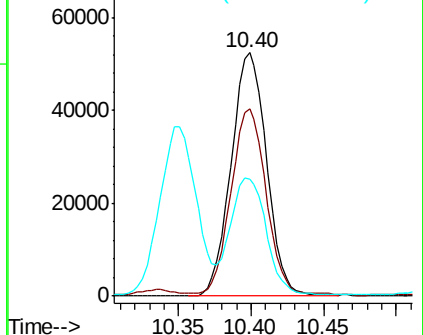
39 48.2 38.4 57.6

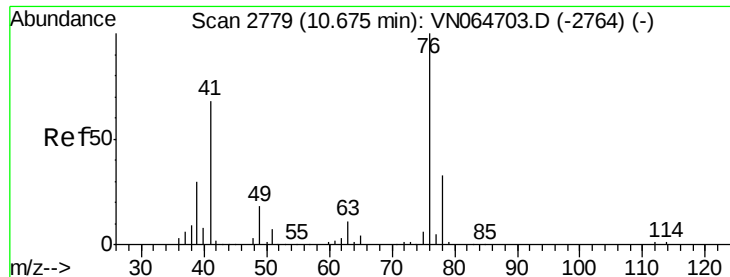


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 18.407 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

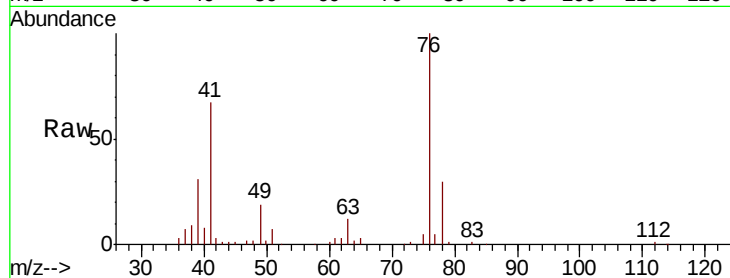
VSTDIC020

Tot Ion: 76 Resp: 114672

Ion Ratio Lower Upper

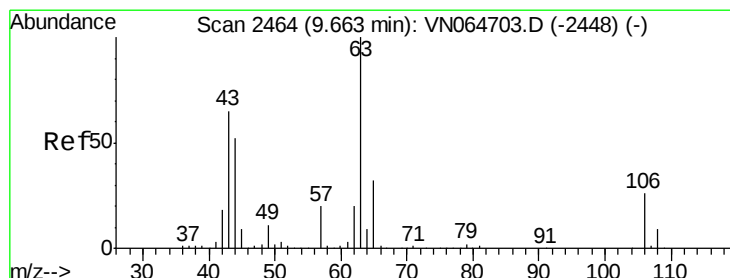
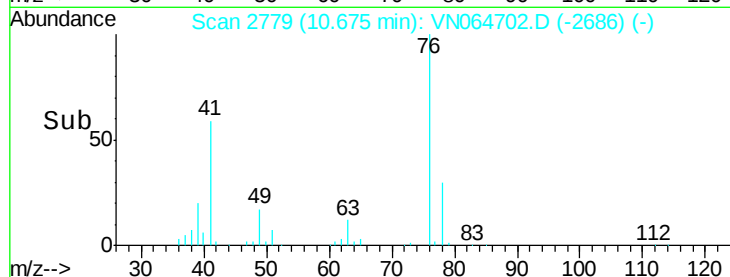
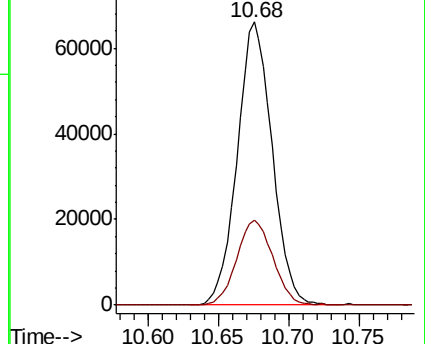
76 100

78 30.9 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VN064703.D (-2764) (-)

Ion 77.90 (77.60 to 78.60): VN064703.D (-2764) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 99.554 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064702.D

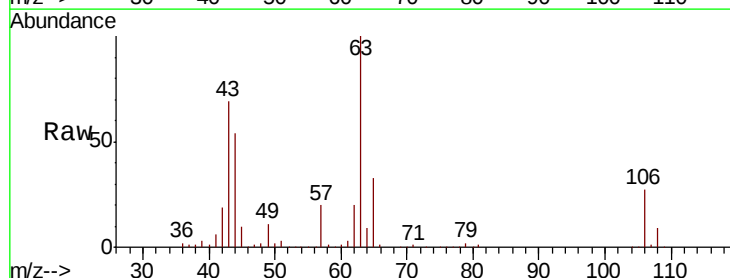
Acq: 18 Nov 2020 12:37

Tgt Ion: 63 Resp: 259061

Ion Ratio Lower Upper

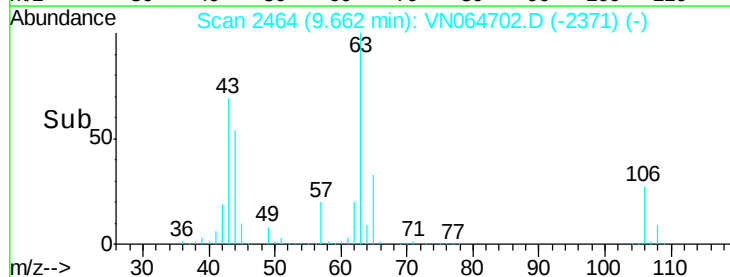
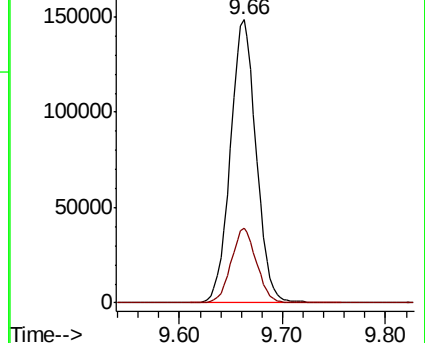
63 100

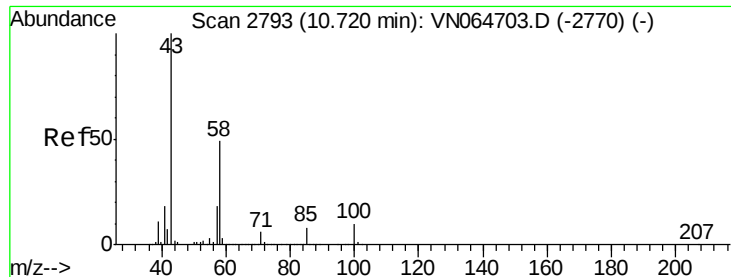
106 25.9 20.9 31.3



Abundance Ion 62.90 (62.60 to 63.60): VN064703.D (-2448) (-)

Ion 105.90 (105.60 to 106.60): VN064703.D (-2448) (-)

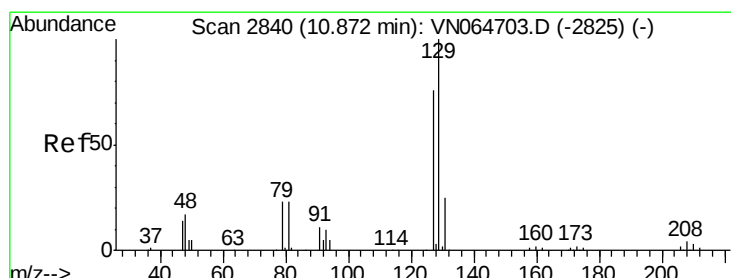
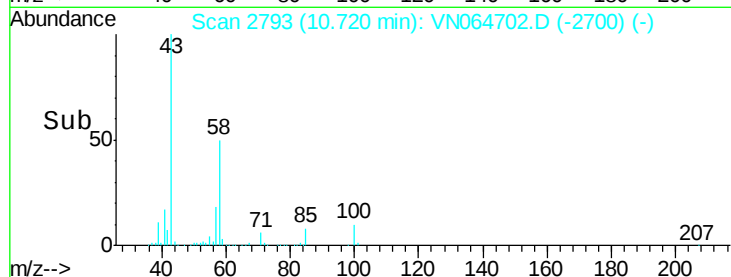
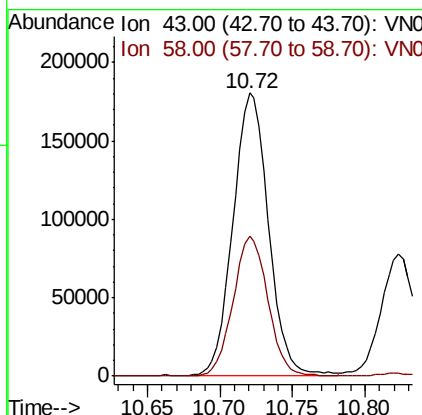
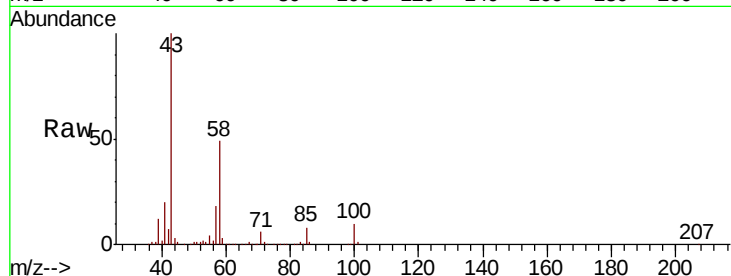




#59
2-Hexanone
Concen: 88.431 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

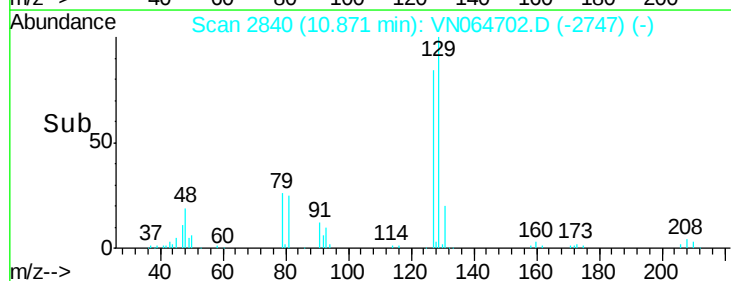
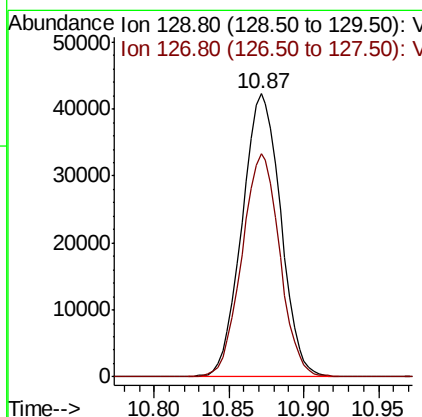
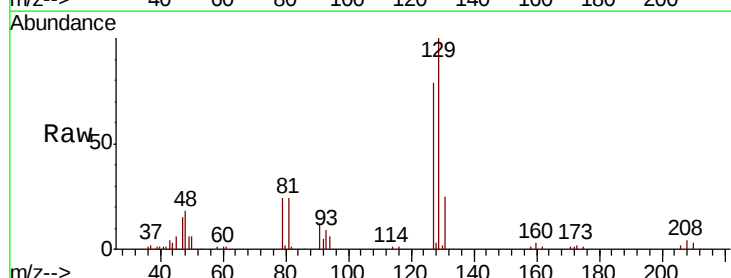
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

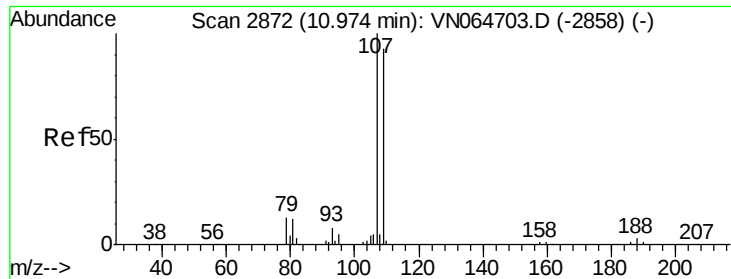
Tot Ion: 43 Resp: 305239
Ion Ratio Lower Upper
43 100
58 48.8 24.4 73.4



#60
Dibromochloromethane
Concen: 18.973 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion: 129 Resp: 76041
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.4

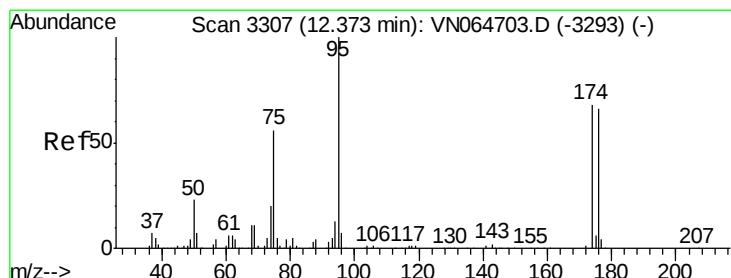
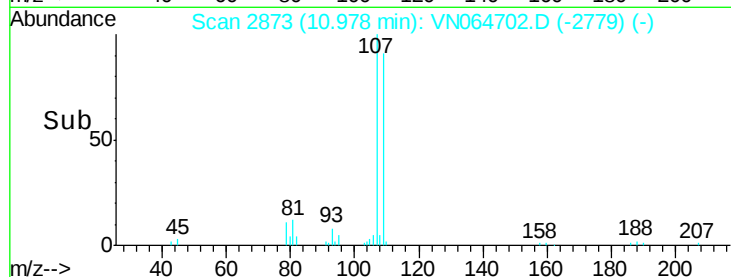
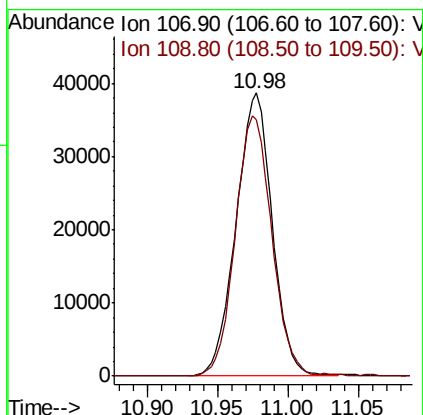
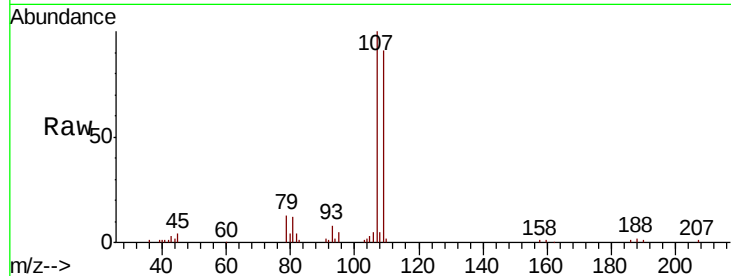




#61
 1,2-Dibromoethane
 Concen: 19.153 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

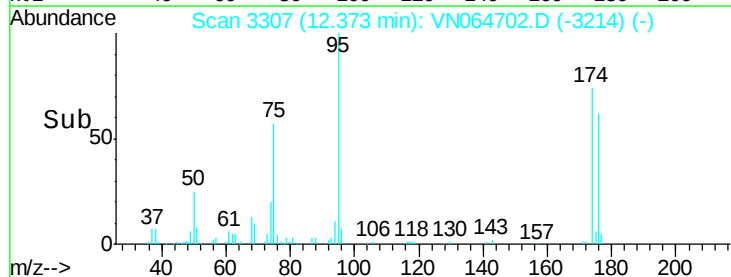
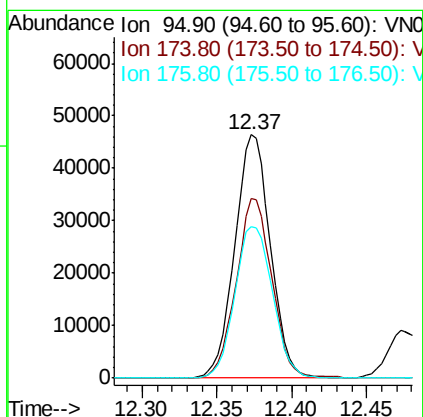
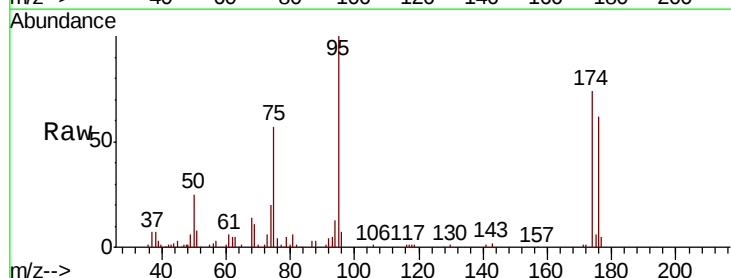
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

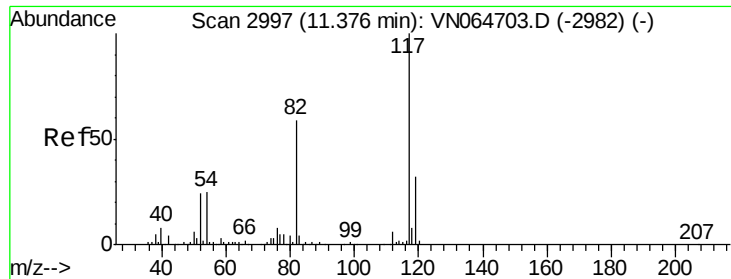
Tot Ion:107 Resp: 69672
 Ion Ratio Lower Upper
 107 100
 109 92.4 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 15.823 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Tgt Ion: 95 Resp: 76839
 Ion Ratio Lower Upper
 95 100
 174 73.7 0.0 136.8
 176 65.9 0.0 134.2

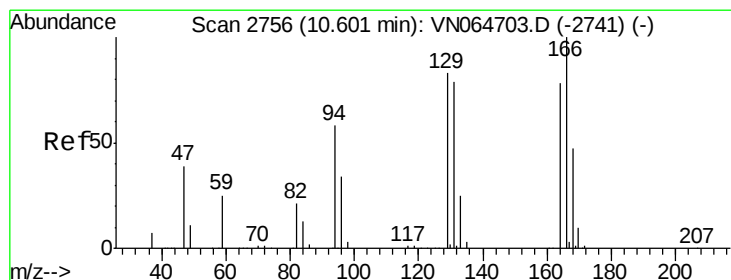
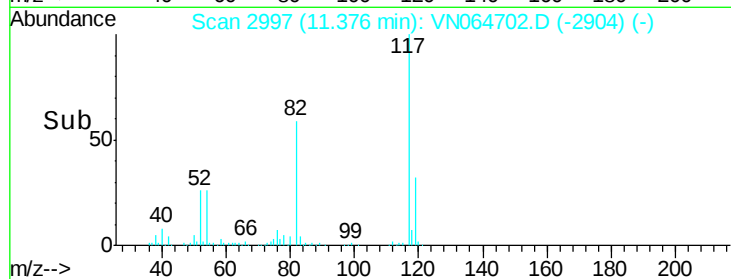
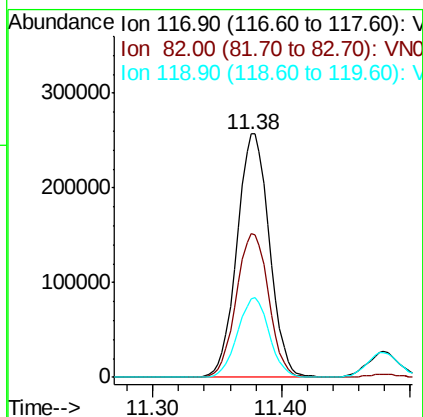
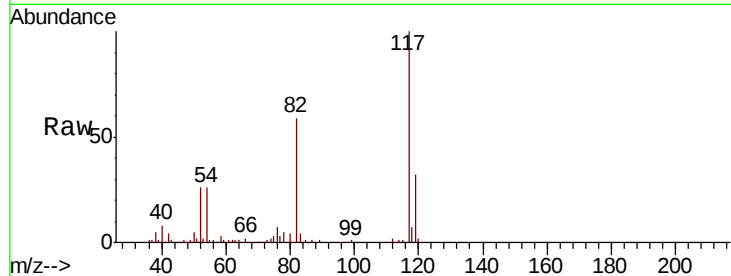




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

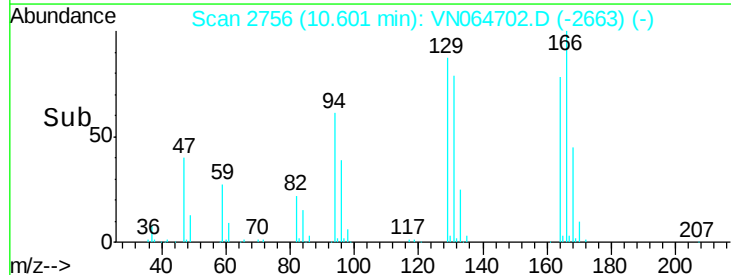
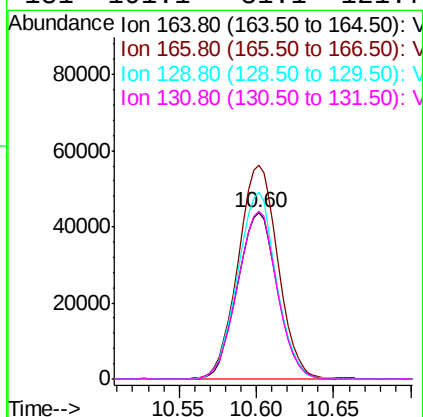
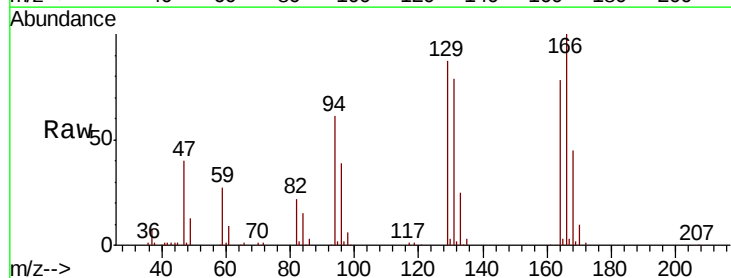
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

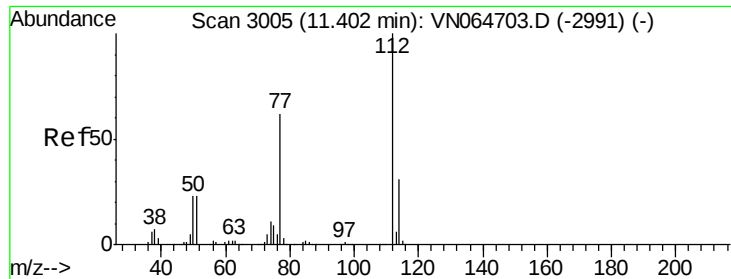
Tot Ion:117 Resp: 449828
Ion Ratio Lower Upper
117 100
82 59.1 47.0 70.6
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: 22.228 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion:164 Resp: 78246
Ion Ratio Lower Upper
164 100
166 128.5 102.2 153.4
129 112.4 84.7 127.1
131 101.1 81.1 121.7





#65

Chlorobenzene

Concen: 18.305 ug/l

RT: 11.40 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

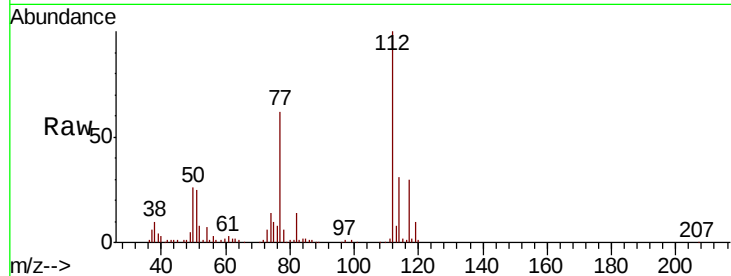
VSTDIC020

Tot Ion:112 Resp: 178257

Ion Ratio Lower Upper

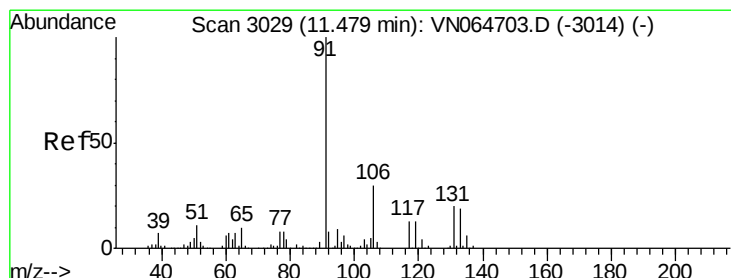
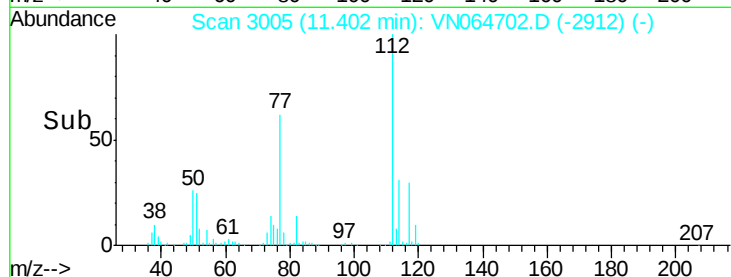
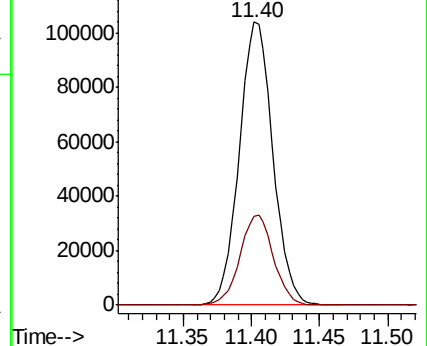
112 100

114 31.3 24.7 37.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.543 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

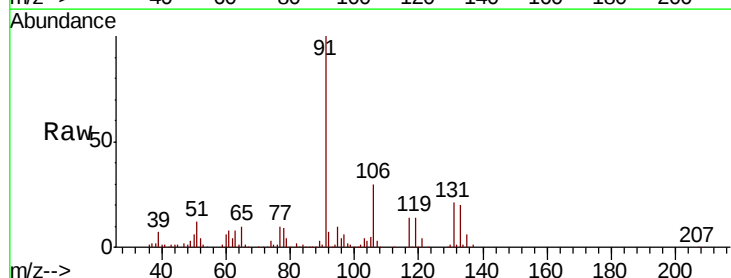
Tgt Ion:131 Resp: 67126

Ion Ratio Lower Upper

131 100

133 97.8 48.8 146.4

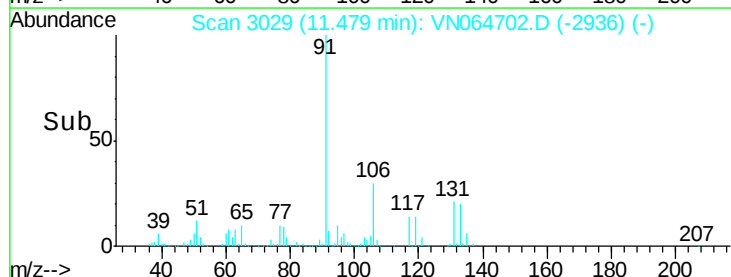
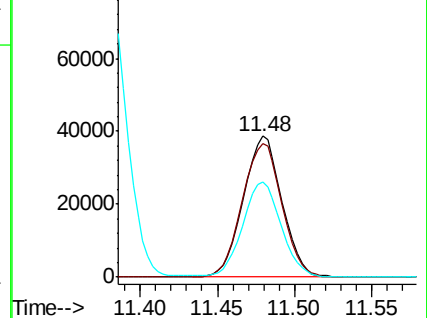
119 67.7 33.5 100.4

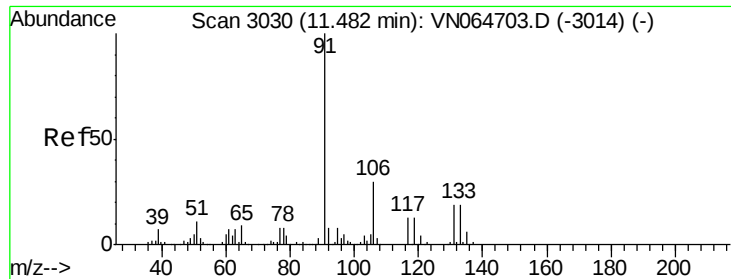


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

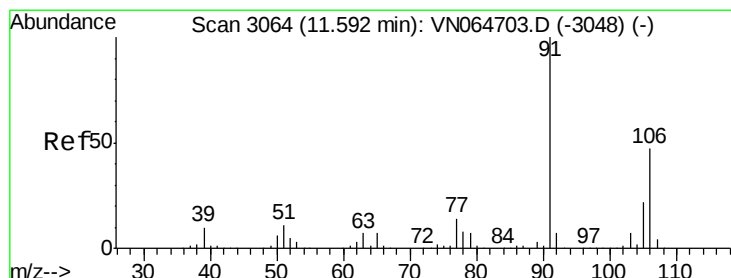
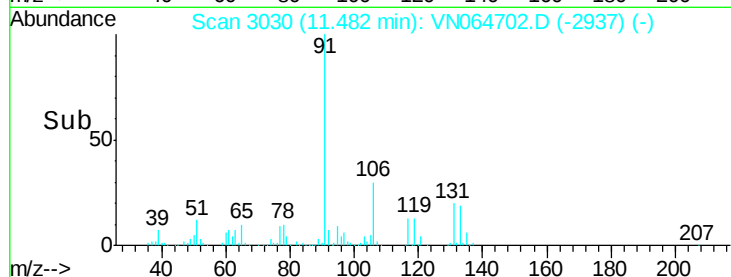
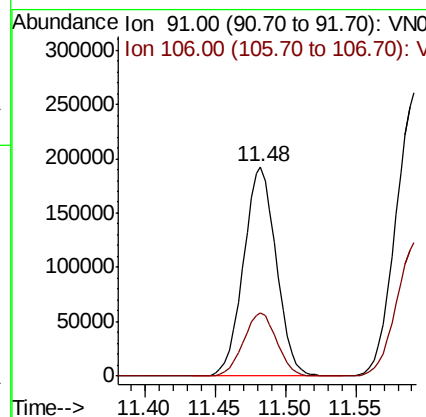
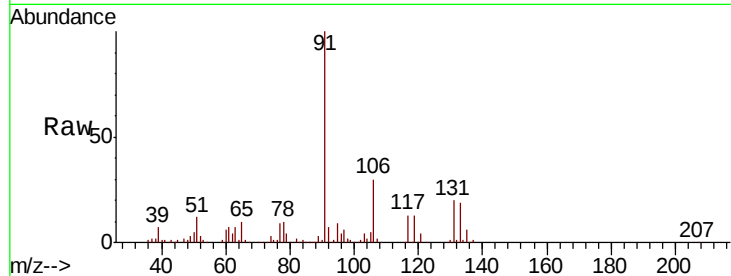




#67
Ethyl Benzene
Concen: 18.248 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

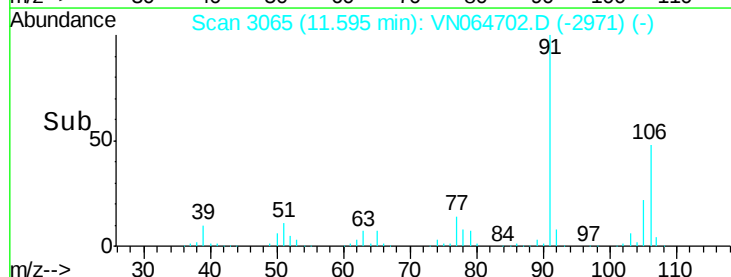
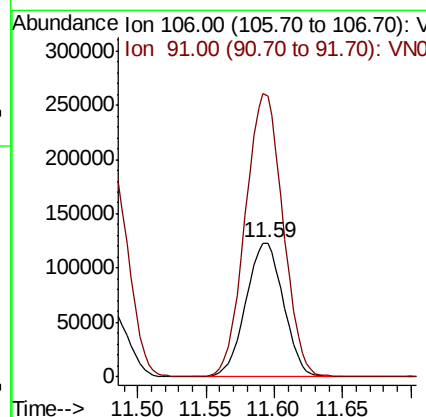
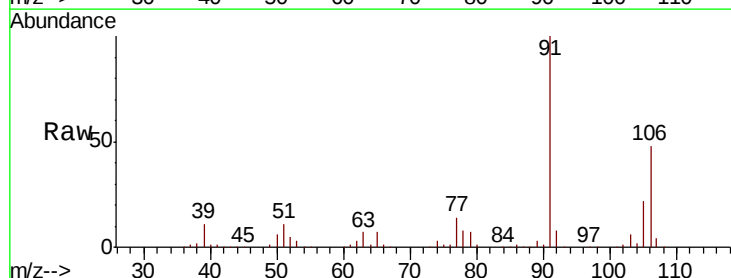
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

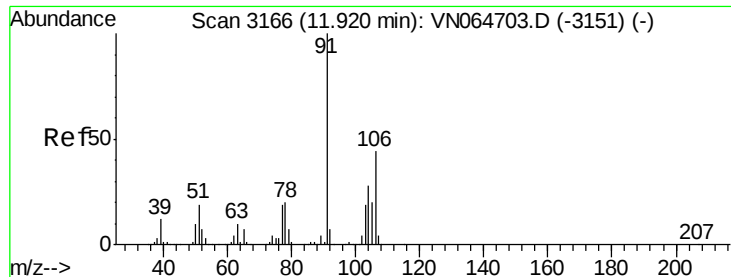
Tot Ion: 91 Resp: 313939
Ion Ratio Lower Upper
91 100
106 30.4 23.9 35.9



#68
m/p-Xylenes
Concen: 37.513 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion: 106 Resp: 234761
Ion Ratio Lower Upper
106 100
91 212.0 171.9 257.9

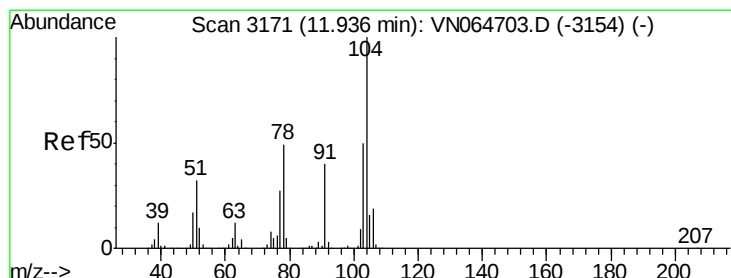
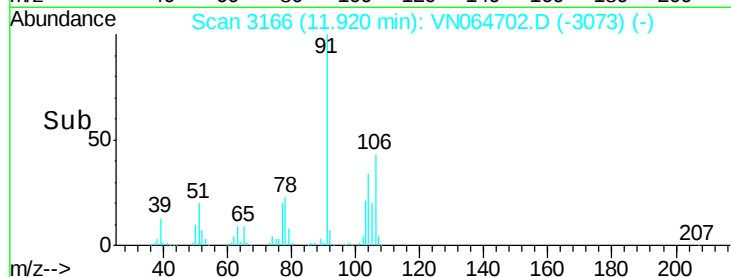
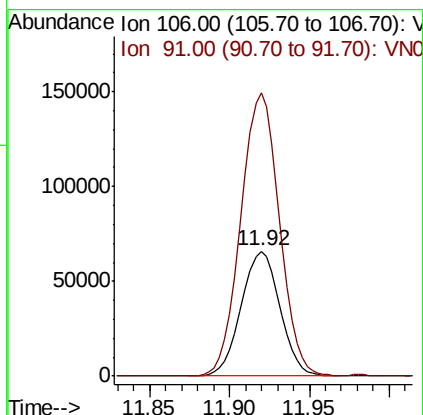
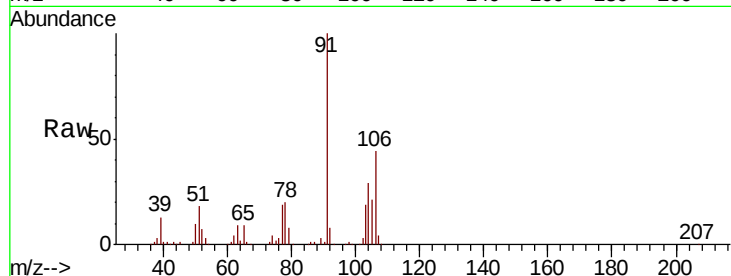




#69
o-Xylene
Concen: 18.037 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

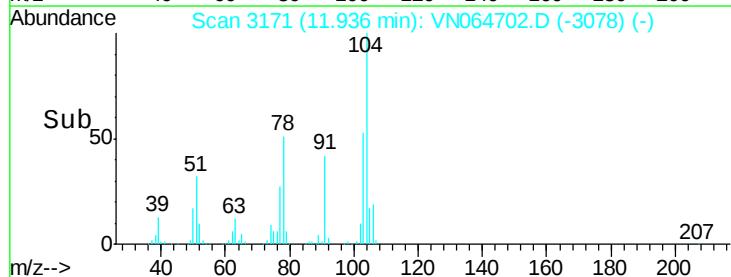
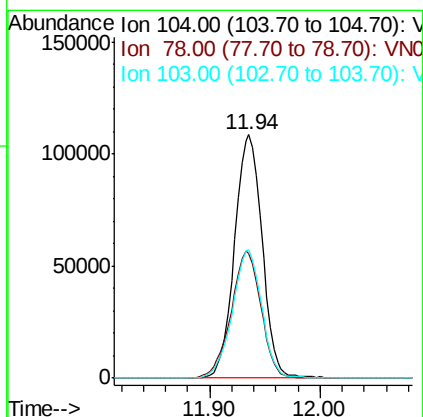
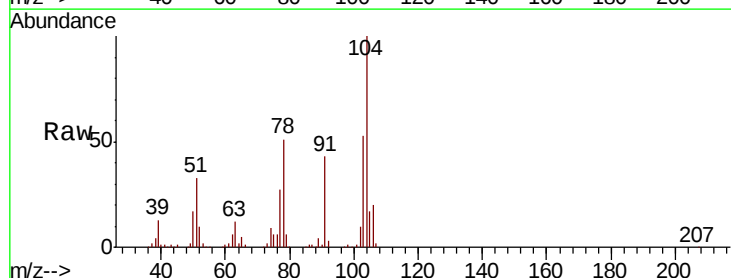
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

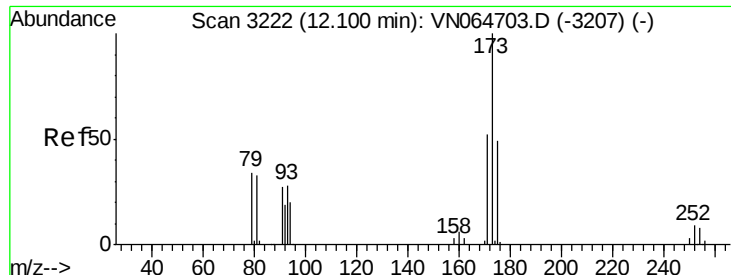
Tot Ion:106 Resp: 108930
Ion Ratio Lower Upper
106 100
91 225.7 112.1 336.3



#70
Styrene
Concen: 18.522 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion:104 Resp: 188565
Ion Ratio Lower Upper
104 100
78 56.4 44.1 66.1
103 55.6 43.7 65.5





#71

Bromoform

Concen: 19.387 ug/l

RT: 12.10 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

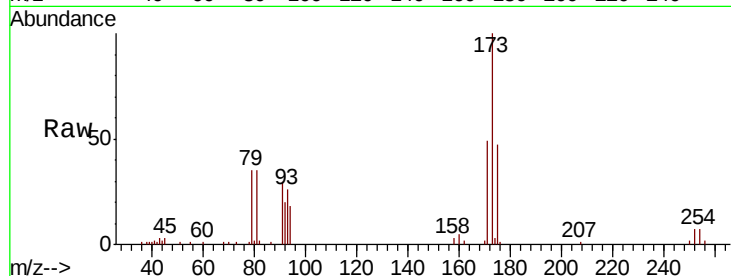
Tot Ion:173 Resp: 47281

Ion Ratio Lower Upper

173 100

175 48.3 24.3 72.9

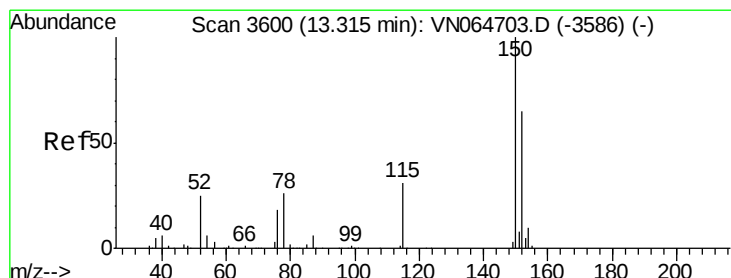
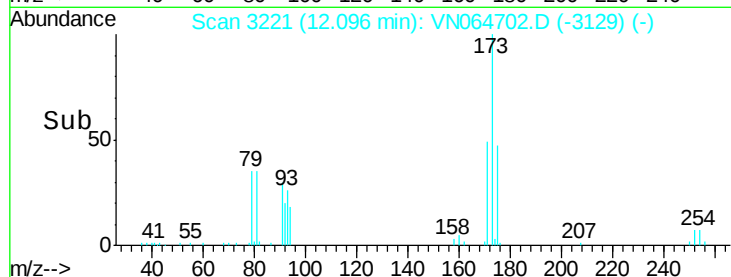
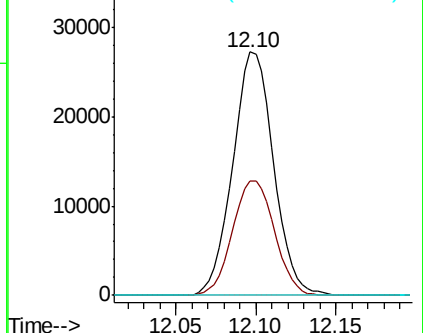
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

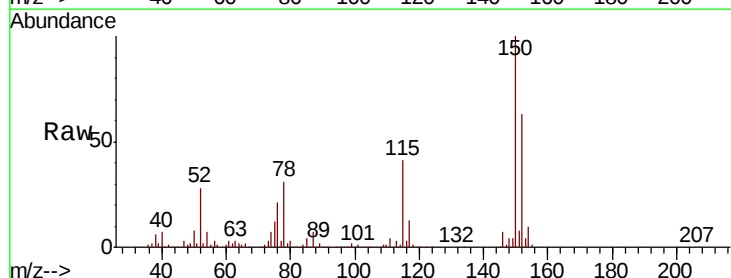
Tgt Ion:152 Resp: 204515

Ion Ratio Lower Upper

152 100

115 65.6 32.1 96.3

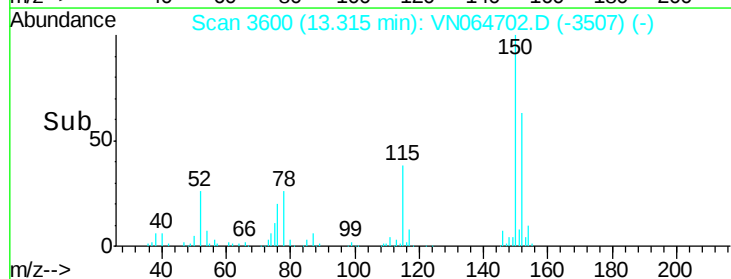
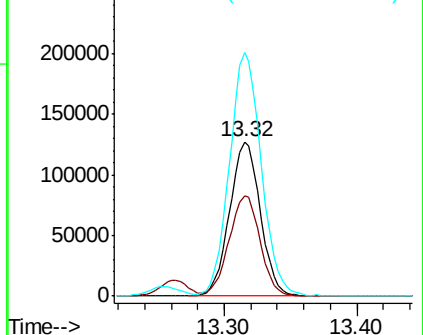
150 163.0 0.0 344.8

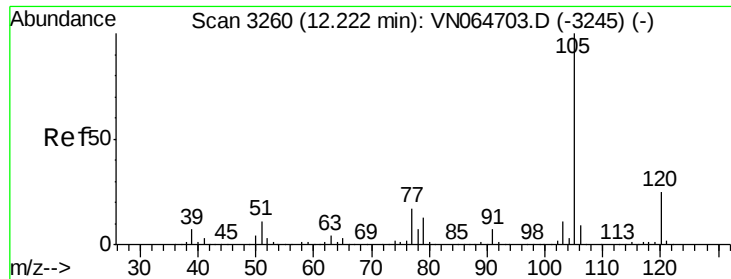


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.925 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

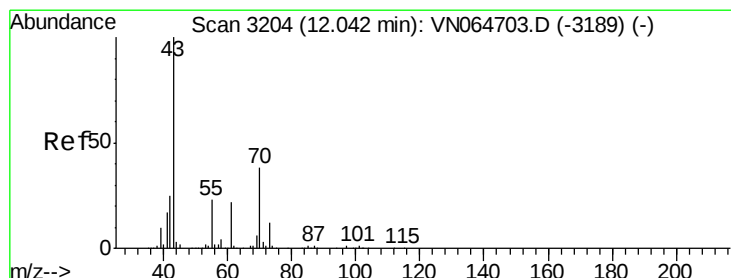
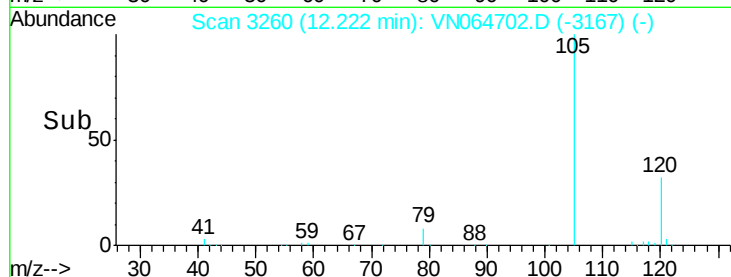
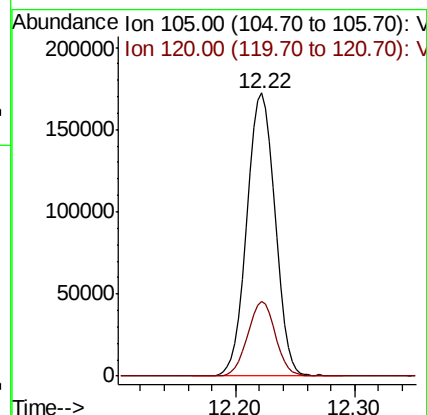
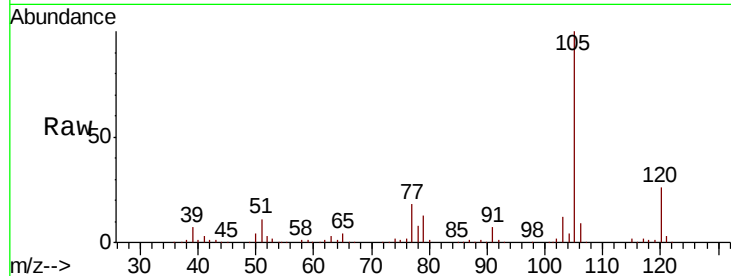
VSTDIC020

Tot Ion:105 Resp: 283769

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.3



#74

N-ethyl acetate

Concen: 19.105 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Tgt Ion: 43 Resp: 132067

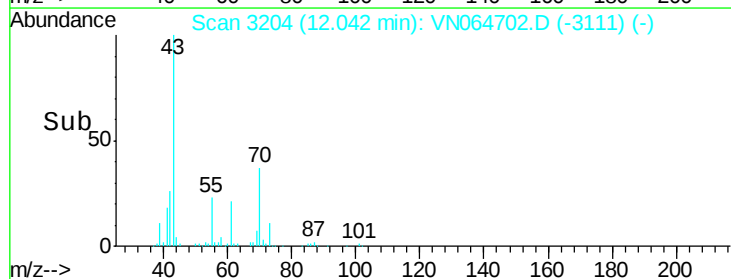
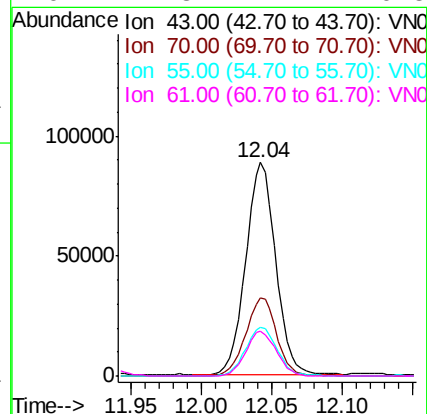
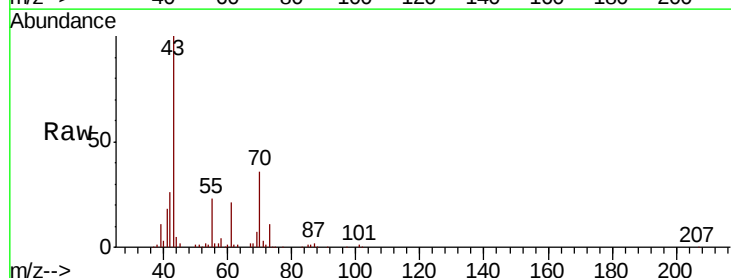
Ion Ratio Lower Upper

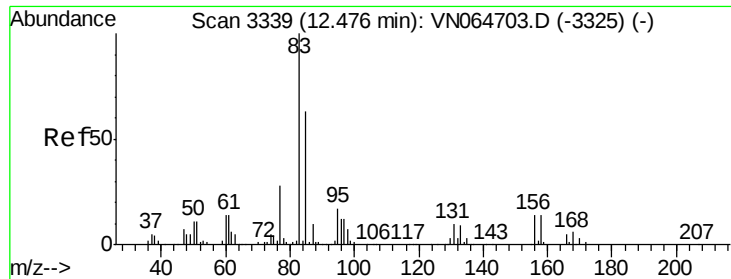
43 100

70 37.9 30.3 45.5

55 24.3 18.9 28.3

61 21.3 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 16.272 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

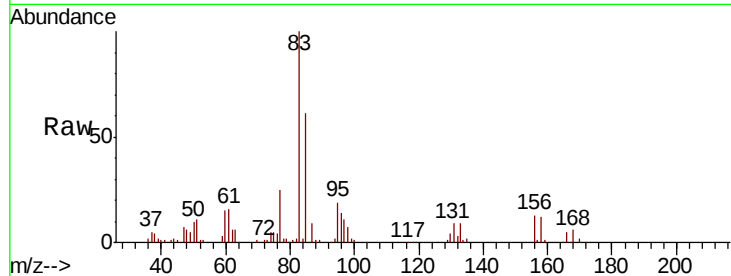
Tot Ion: 83 Resp: 78448

Ion Ratio Lower Upper

83 100

131 9.8 5.0 15.0

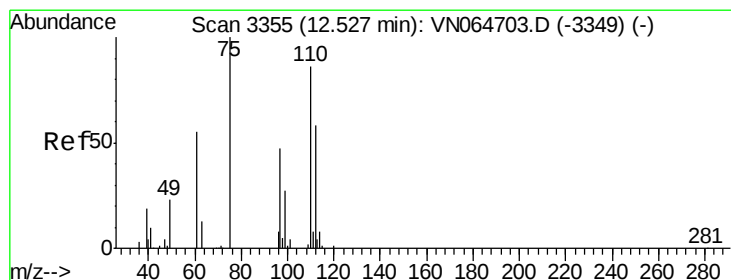
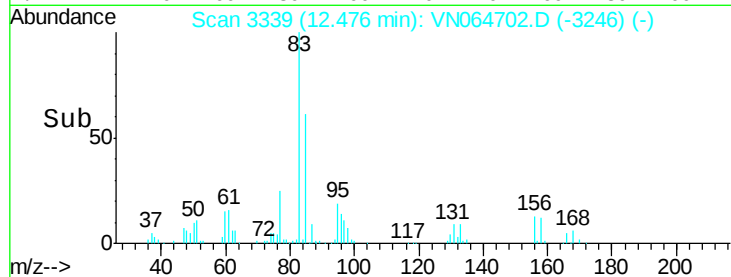
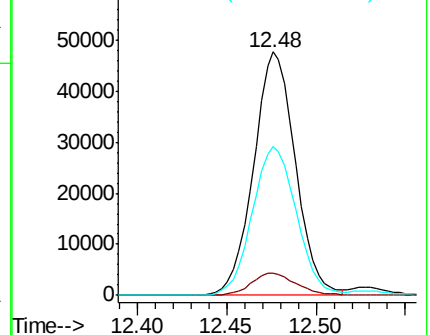
85 64.2 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 25.870 ug/l

RT: 12.52 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN064702.D

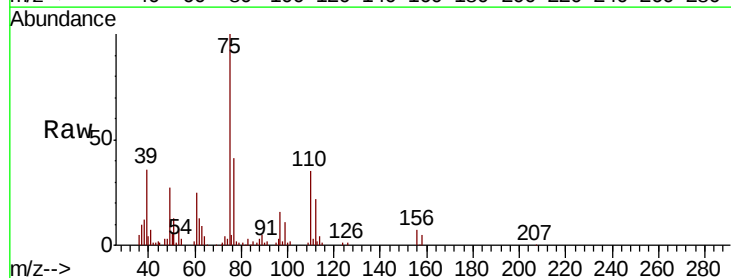
Acq: 18 Nov 2020 12:37

Tgt Ion: 75 Resp: 124986

Ion Ratio Lower Upper

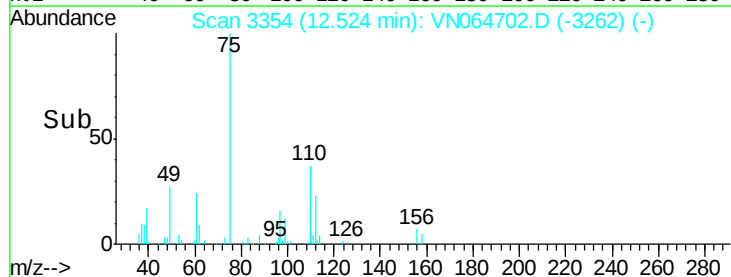
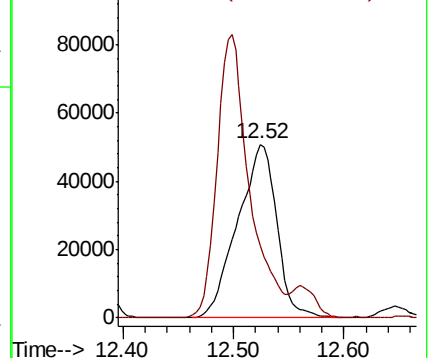
75 100

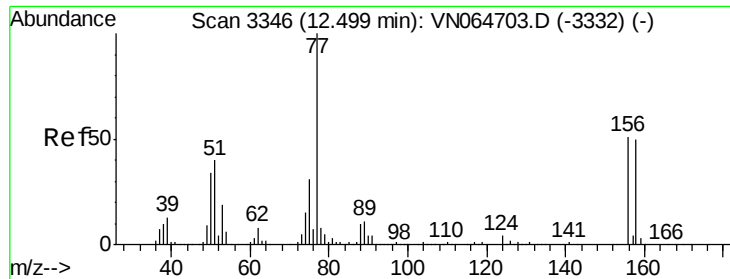
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.236 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

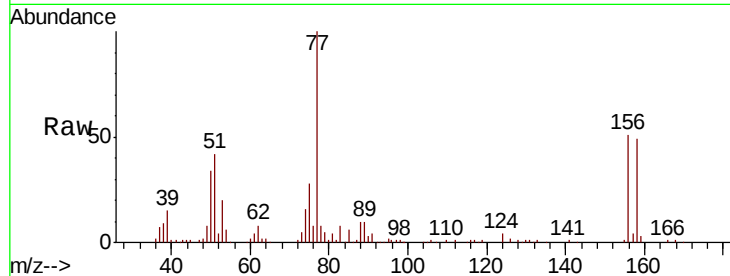
Tot Ion:156 Resp: 70988

Ion Ratio Lower Upper

156 100

77 237.0 117.3 351.9

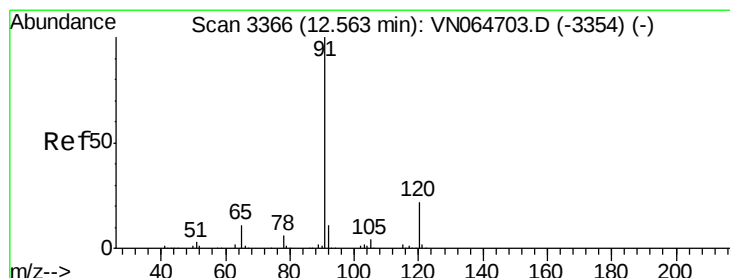
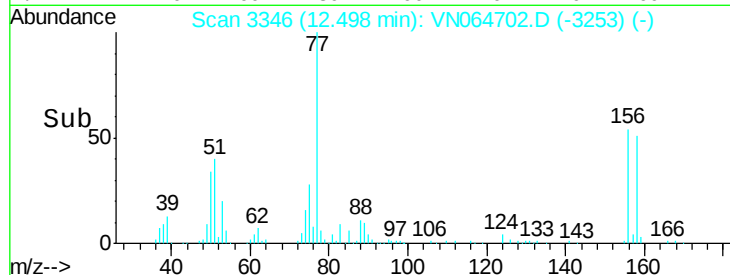
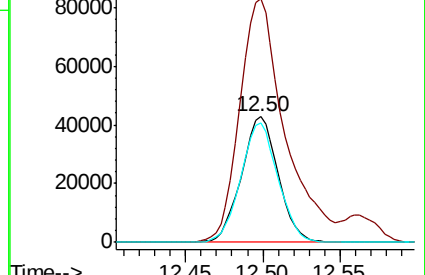
158 95.7 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.374 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064702.D

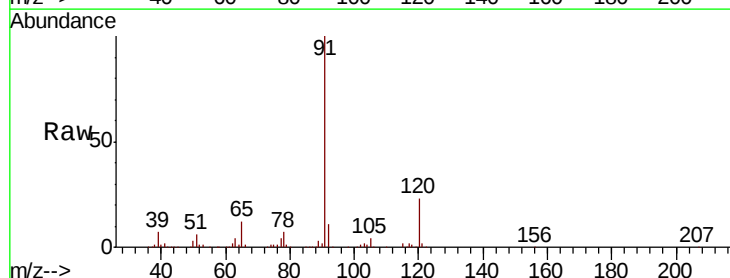
Acq: 18 Nov 2020 12:37

Tgt Ion: 91 Resp: 332308

Ion Ratio Lower Upper

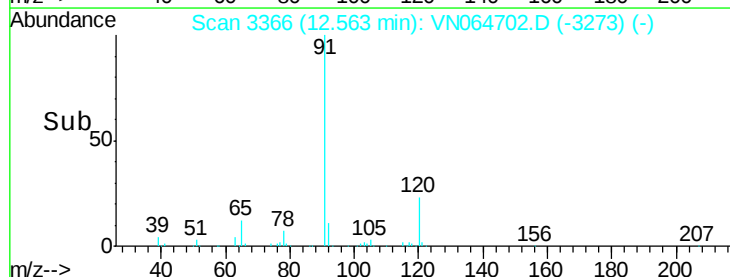
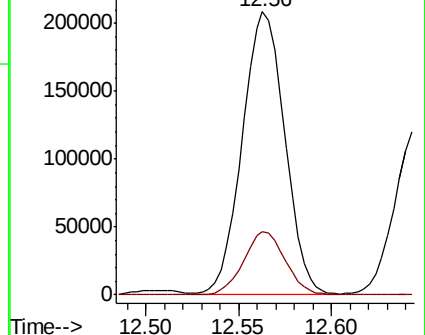
91 100

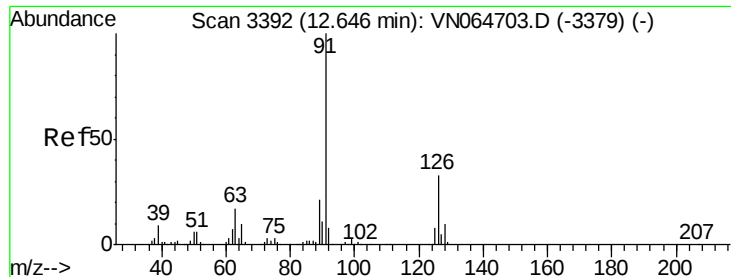
120 21.7 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.293 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

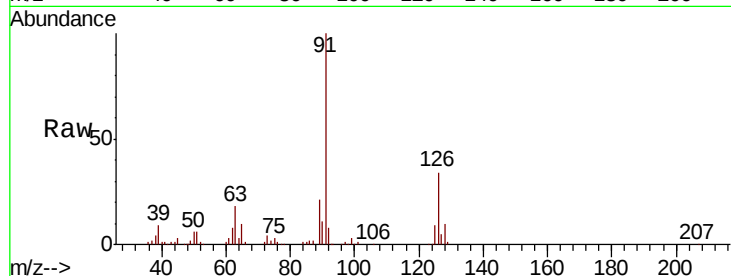
VSTDIC020

Tot Ion: 91 Resp: 210733

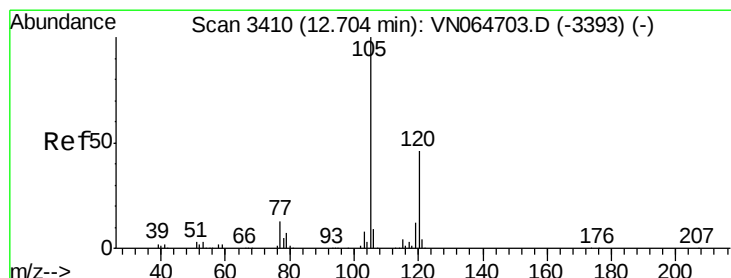
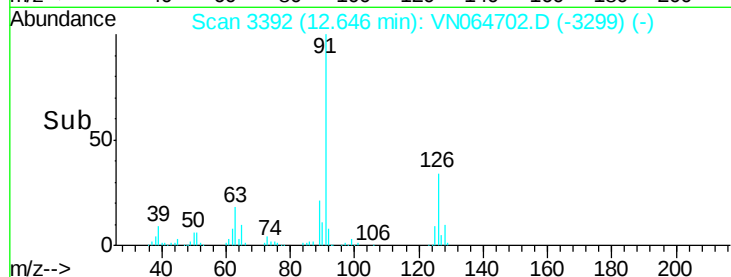
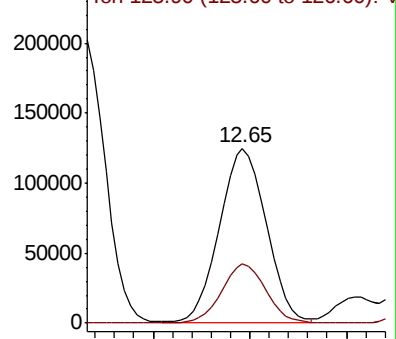
Ion Ratio Lower Upper

91 100

126 32.0 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN064703.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.369 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064702.D

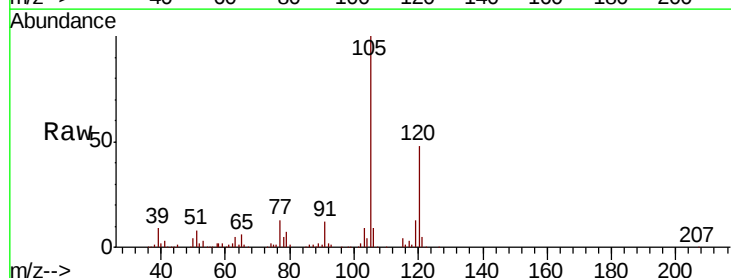
Acq: 18 Nov 2020 12:37

Tgt Ion: 105 Resp: 240913

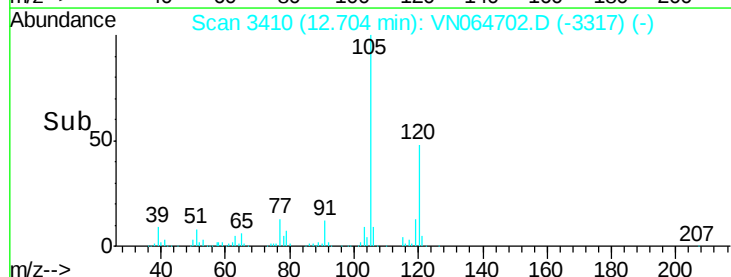
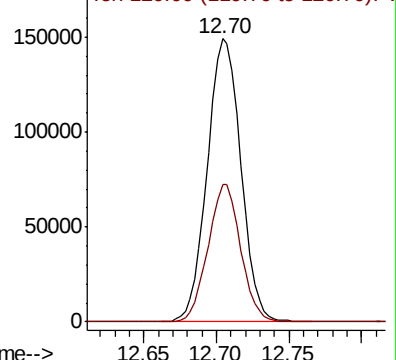
Ion Ratio Lower Upper

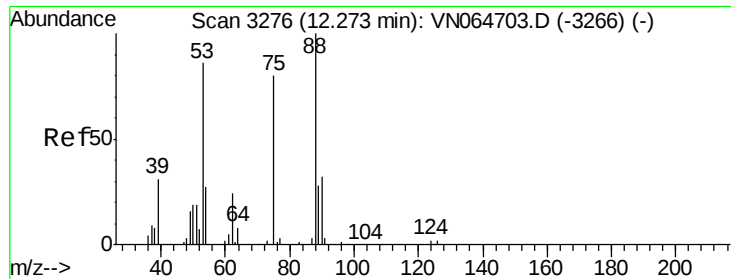
105 100

120 46.9 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064703.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.778 ug/l

RT: 12.27 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

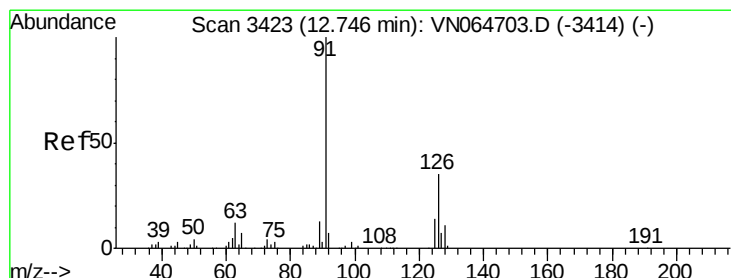
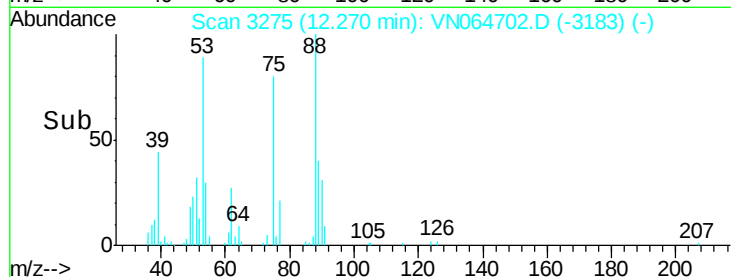
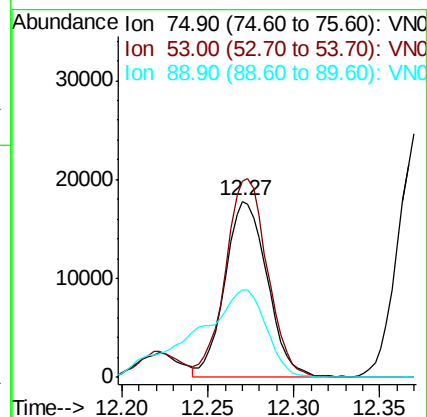
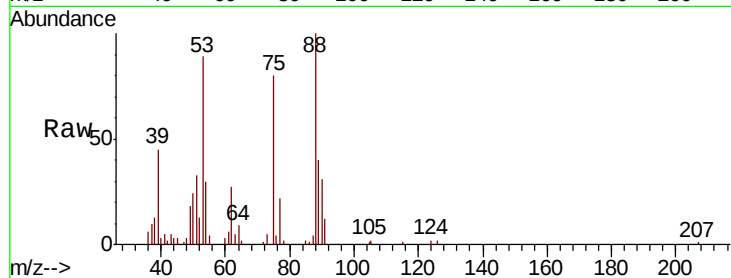
Tot Ion: 75 Resp: 30588

Ion Ratio Lower Upper

75 100

53 112.0 88.8 133.2

89 83.7 43.1 64.7#



#82

4-Chlorotoluene

Concen: 18.585 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064702.D

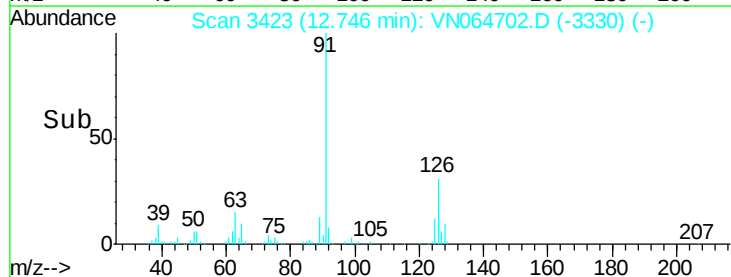
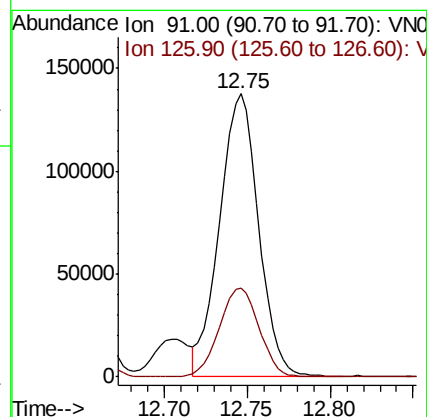
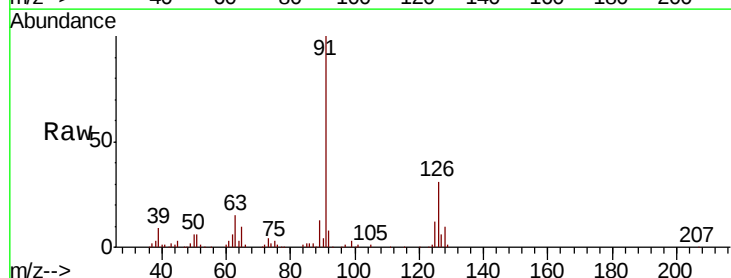
Acq: 18 Nov 2020 12:37

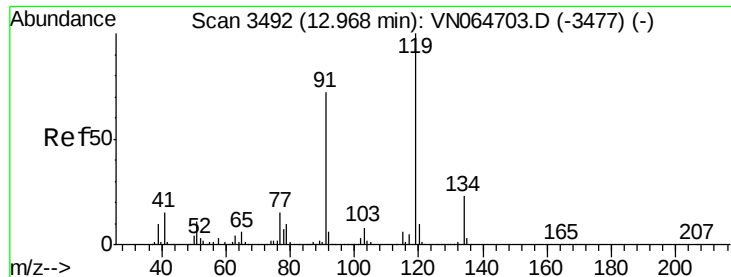
Tgt Ion: 91 Resp: 224054

Ion Ratio Lower Upper

91 100

126 32.2 15.9 47.7

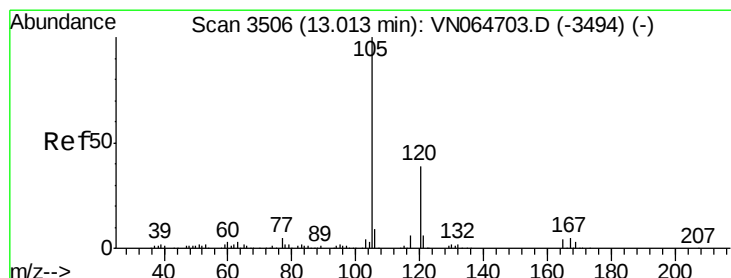
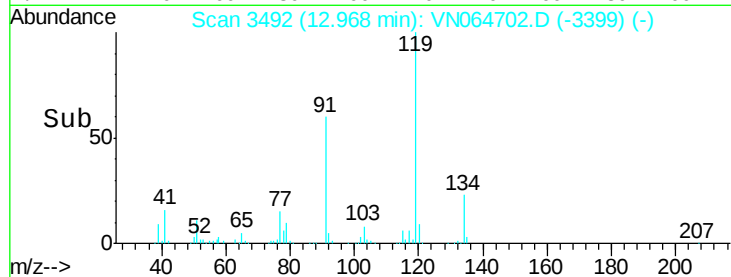
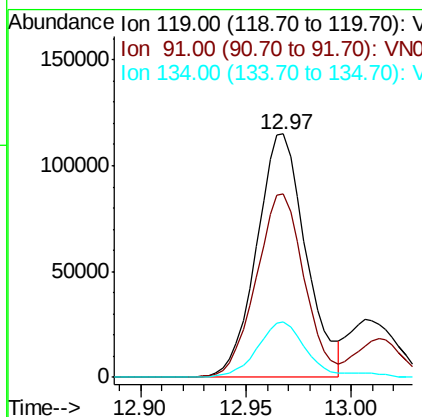
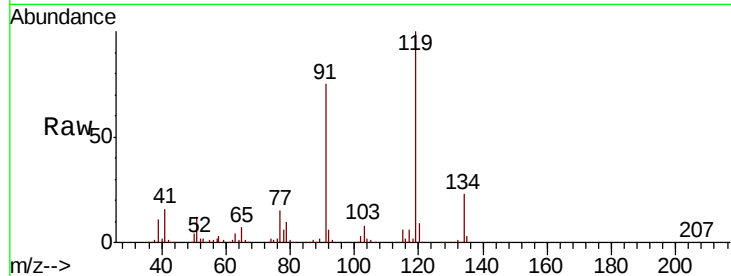




#83
 tert-Butylbenzene
 Concen: 18.201 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

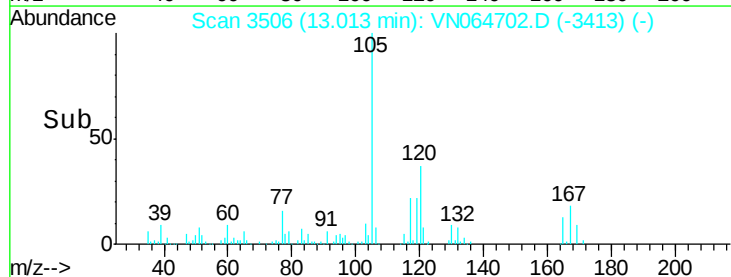
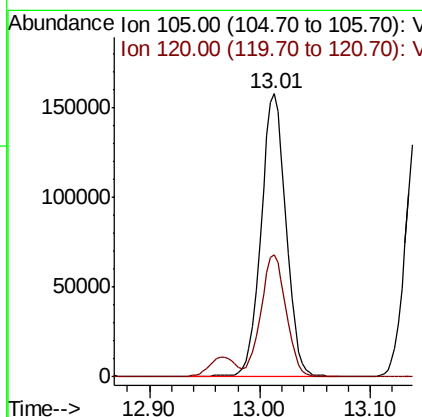
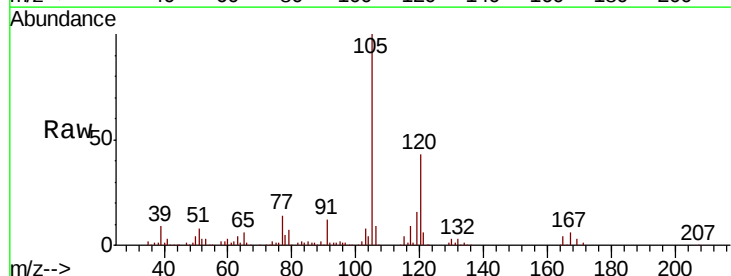
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

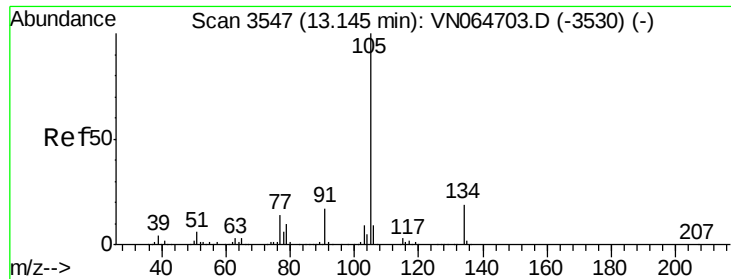
Tot Ion:119 Resp: 186797
 Ion Ratio Lower Upper
 119 100
 91 73.7 35.8 107.4
 134 23.4 12.0 36.1



#84
 1,2,4-Trimethylbenzene
 Concen: 18.875 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Tgt Ion:105 Resp: 248366
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.0 66.0





#85

sec-Butylbenzene

Concen: 18.996 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampled :

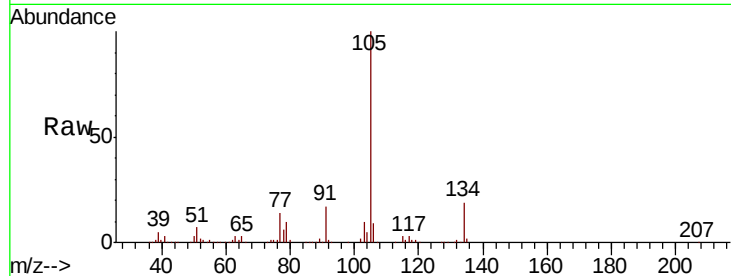
VSTDIC020

Tot Ion:105 Resp: 247030

Ion Ratio Lower Upper

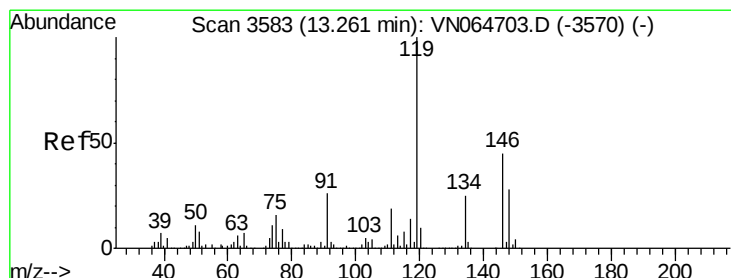
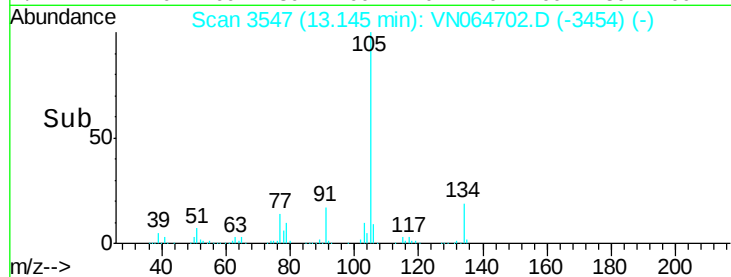
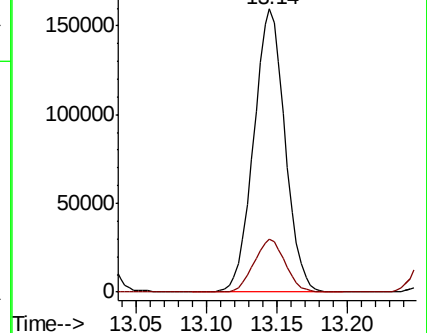
105 100

134 18.6 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: 19.134 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

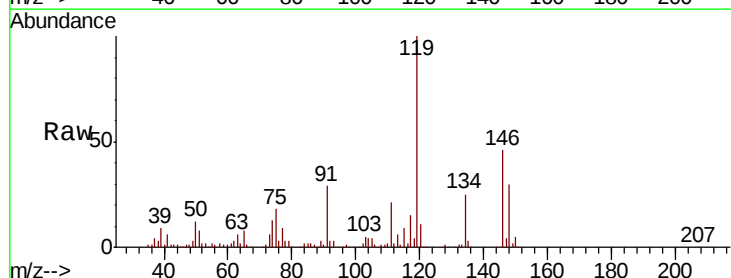
Tgt Ion:119 Resp: 224483

Ion Ratio Lower Upper

119 100

134 24.4 12.7 38.0

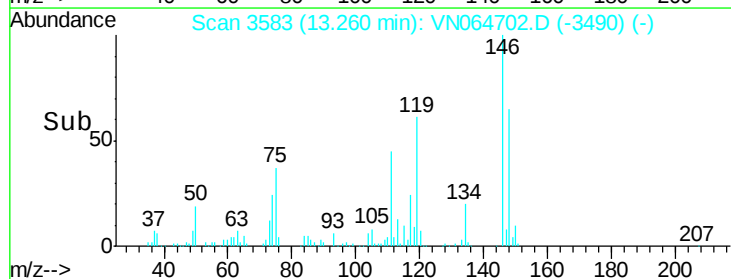
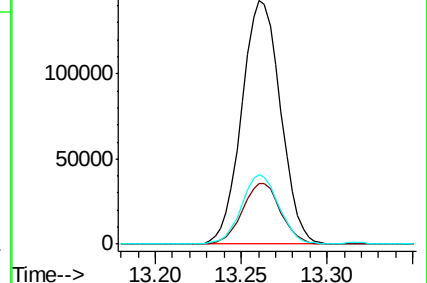
91 27.4 13.3 39.8

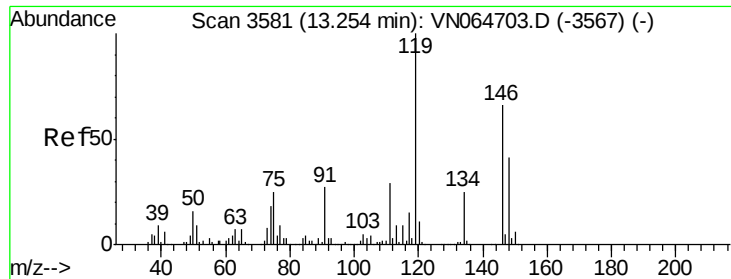


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.272 ug/l

RT: 13.25 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

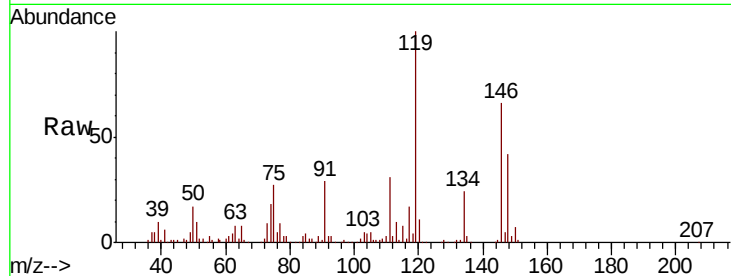
Tot Ion:146 Resp: 123318

Ion Ratio Lower Upper

146 100

111 45.9 21.8 65.4

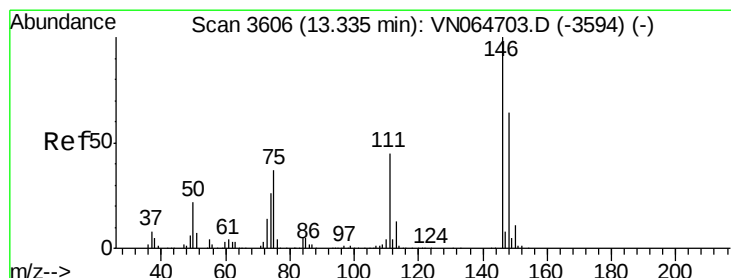
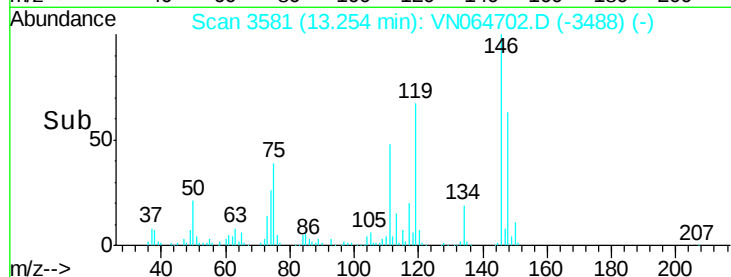
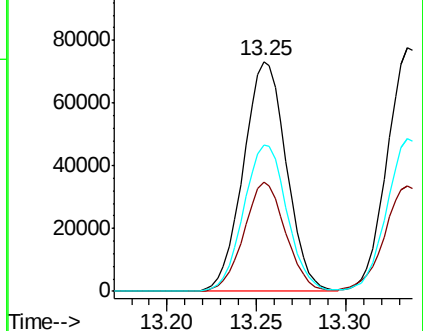
148 64.0 31.5 94.5



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



#88

1,4-Dichlorobenzene

Concen: 18.451 ug/l

RT: 13.33 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

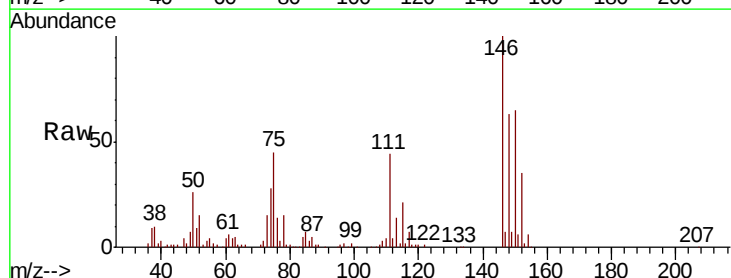
Tgt Ion:146 Resp: 128755

Ion Ratio Lower Upper

146 100

111 45.3 22.3 66.8

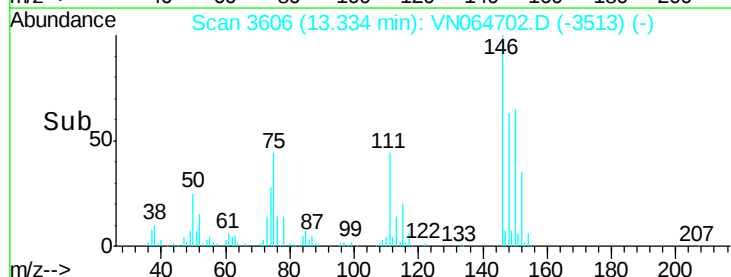
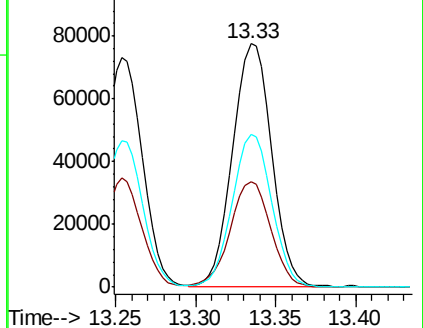
148 63.9 31.6 94.7

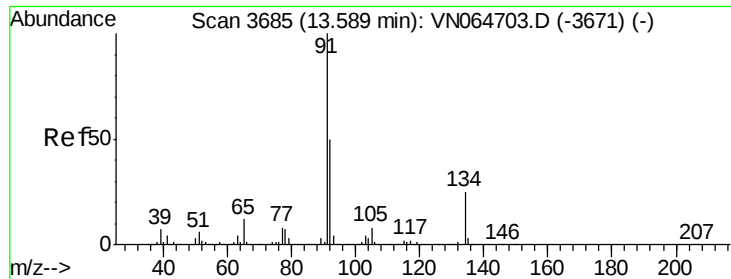


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

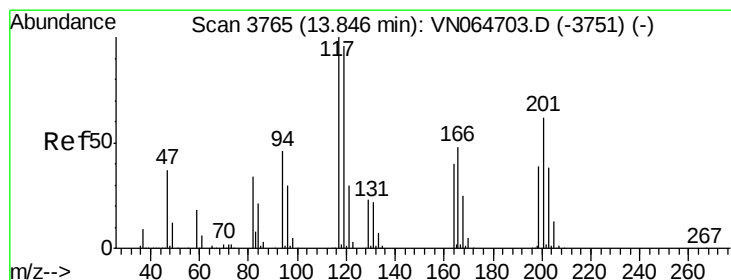
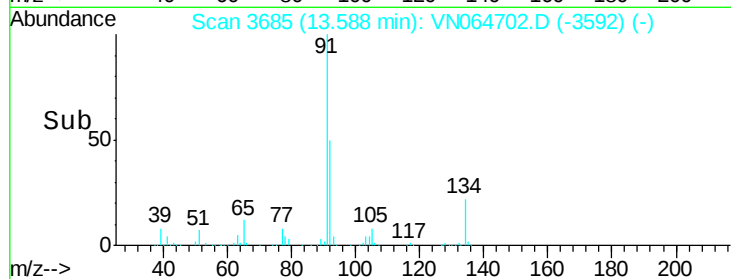
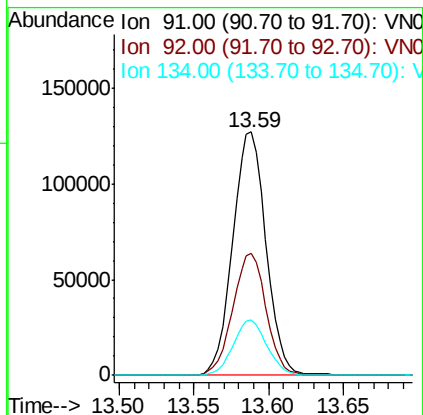
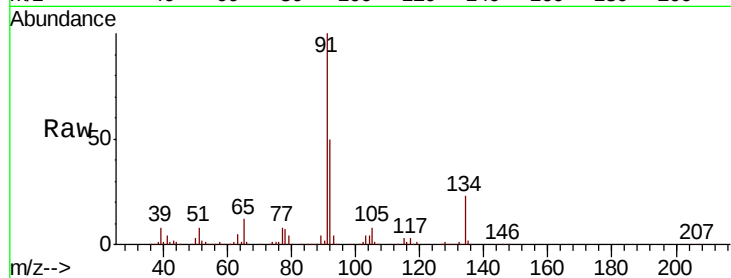




#89
n-Butylbenzene
Concen: 19.389 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

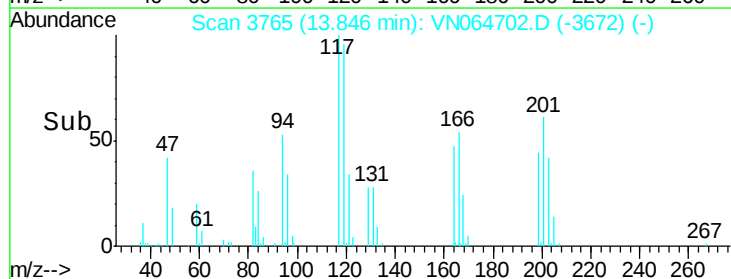
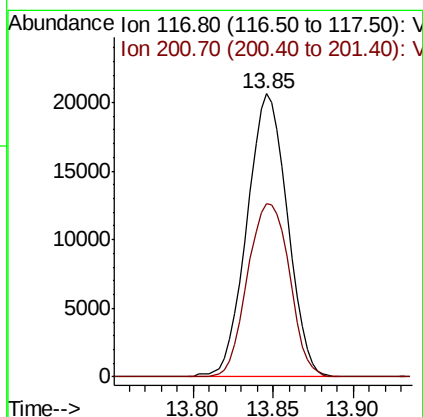
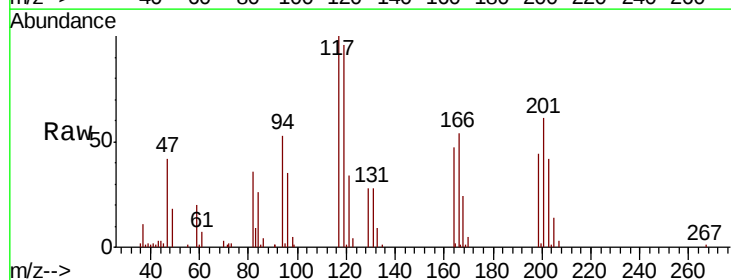
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

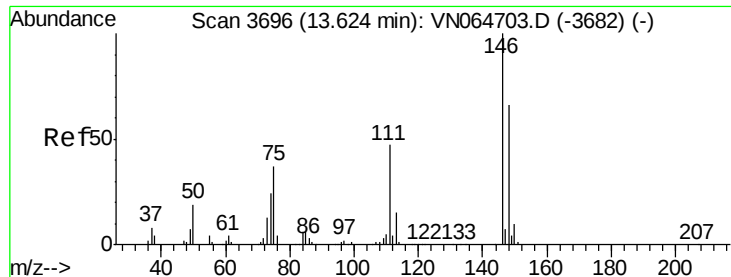
Tot Ion	Ratio	Lower	Upper
91	100		
92	50.2	24.9	74.8
134	23.1	12.0	36.0



#90
Hexachloroethane
Concen: 16.126 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.5	31.9	95.5

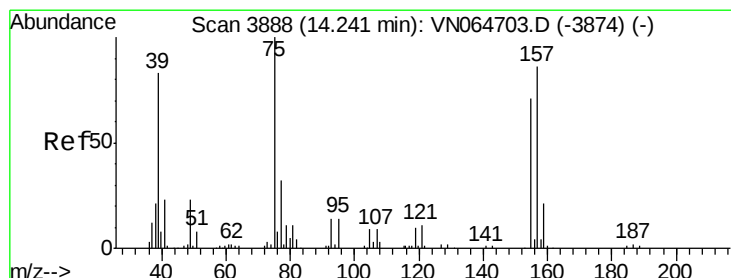
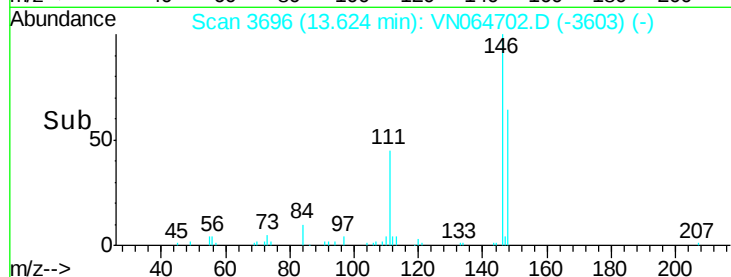
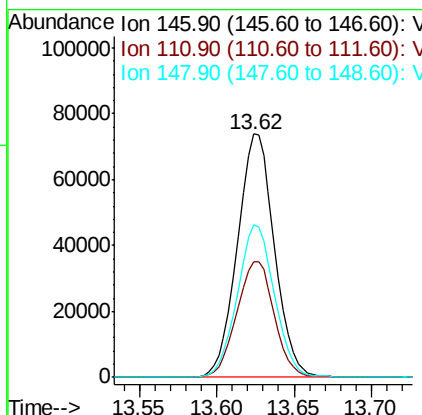
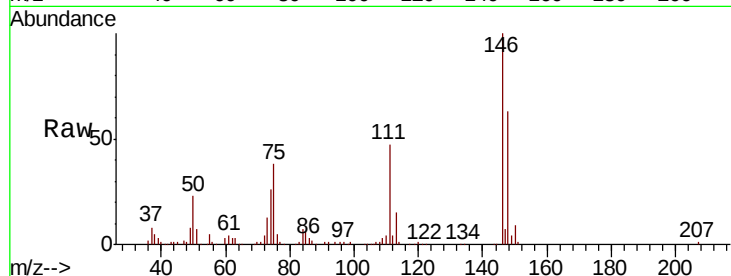




#91
 1,2-Dichlorobenzene
 Concen: 19.000 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

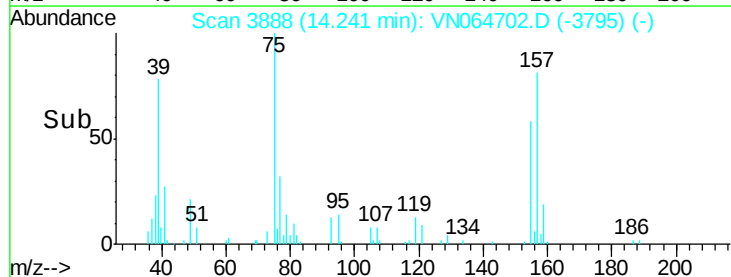
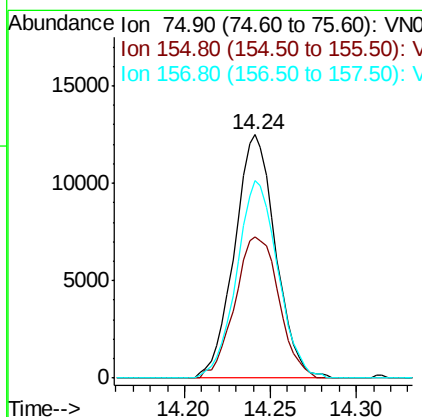
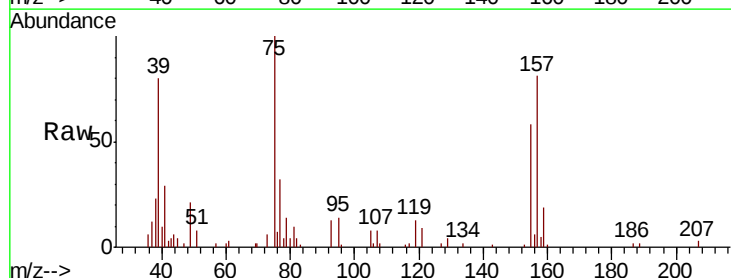
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

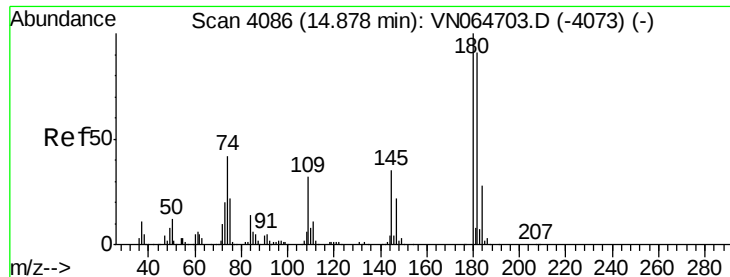
Tot Ion	Ratio	Lower	Upper
146	100		
111	48.1	23.1	69.3
148	63.0	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.049 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.1	33.6	100.6
157	81.3	42.4	127.2

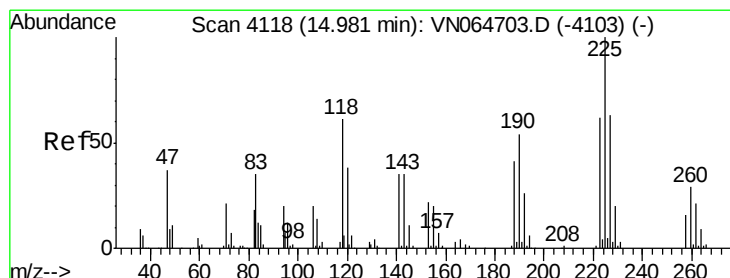
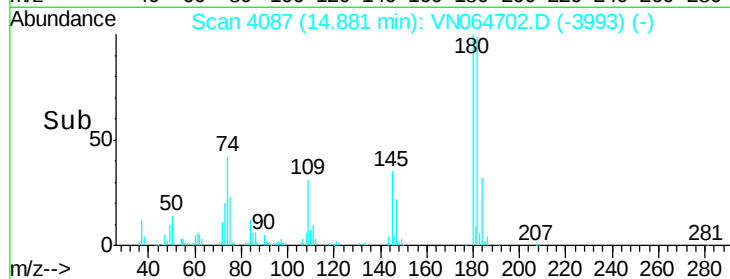
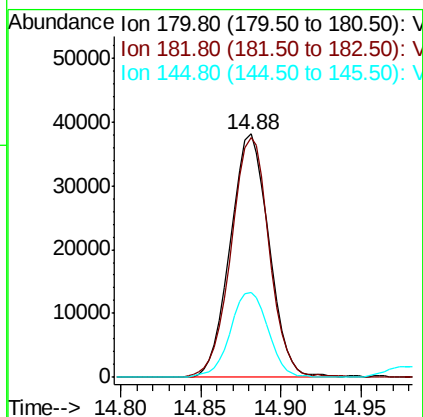
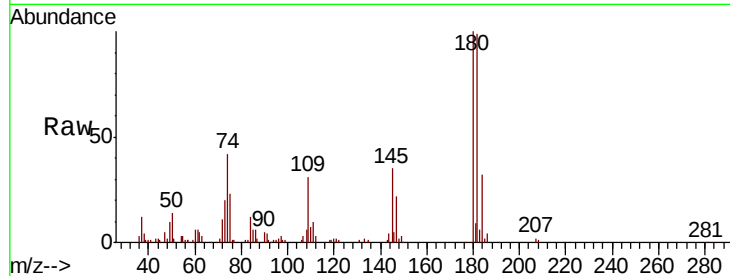




#93
 1,2,4-Trichlorobenzene
 Concen: 23.023 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

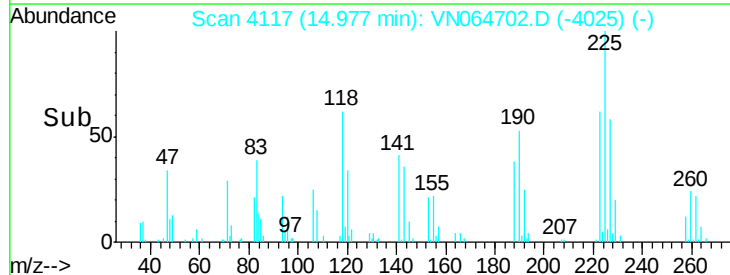
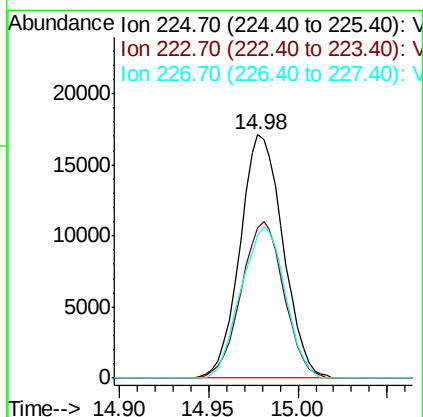
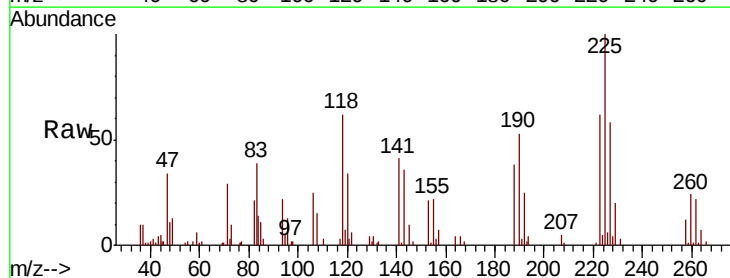
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

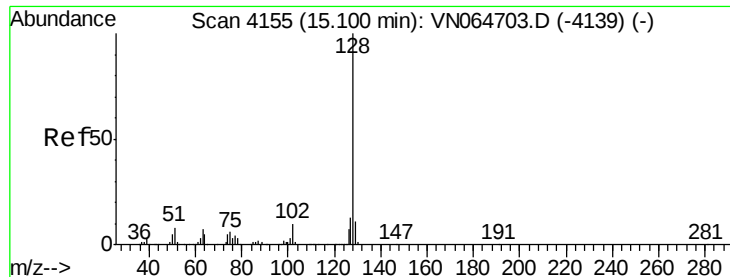
Tot Ion:180 Resp: 62460
 Ion Ratio Lower Upper
 180 100
 182 97.7 47.3 141.8
 145 34.2 17.5 52.5



#94
 Hexachlorobutadiene
 Concen: 21.456 ug/l
 RT: 14.98 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Tgt Ion:225 Resp: 28730
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.2 93.6
 227 63.9 32.1 96.3

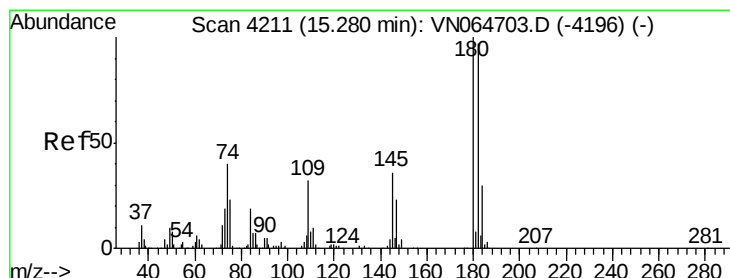
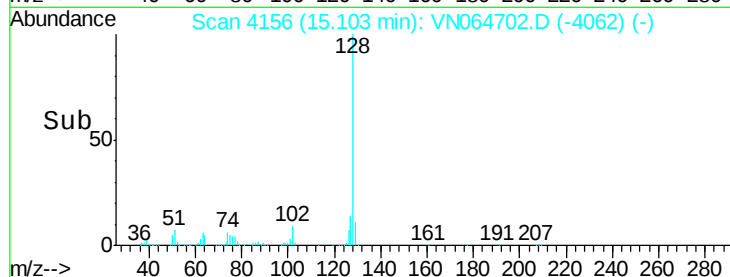
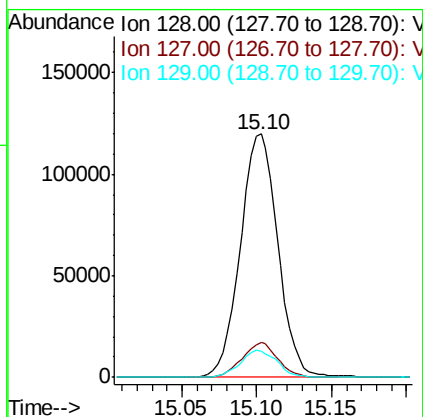
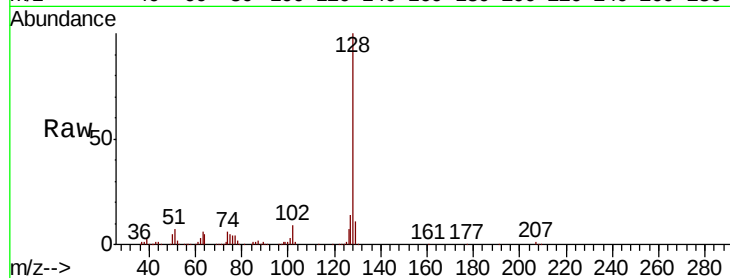




#95
Naphthalene
Concen: 23.375 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 209025
Ion Ratio Lower Upper
128 100
127 13.6 10.8 16.2
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 23.064 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion:180 Resp: 62447
Ion Ratio Lower Upper
180 100
182 96.8 47.5 142.5
145 35.5 18.1 54.1

