

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064200.D
 Acq On : 20 Oct 2020 17:06
 Operator : JC/MD
 Sample : VN1020WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 21 04:49:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	48877	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	272357	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	244530	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	128477	32.11	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	107.03%
60) 4-Bromofluorobenzene	12.38	95	129280	29.50	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.33%
63) Toluene-d8	10.06	98	324843	29.34	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	65073	19.405	ug/l 93
3) Chloromethane	2.04	50	64899	18.886	ug/l 97
4) Vinyl Chloride	2.16	62	64272	19.010	ug/l 98
5) Bromomethane	2.54	94	39068	19.315	ug/l 99
6) Chloroethane	2.67	64	35850	18.206	ug/l 96
7) Trichlorofluoromethane	2.99	101	99679	18.366	ug/l 100
8) Diethyl Ether	3.38	74	34840	18.907	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	49956	17.440	ug/l 97
10) 1,1-Dichloroethene	3.70	96	49774	17.847	ug/l 96
11) Methyl Iodide	3.91	142	68686	17.086	ug/l 96
12) Methyl Acetate	4.28	43	54471	18.530	ug/l 92
13) Acrolein	3.57	56	30386	94.538	ug/l # 1
14) Acrylonitrile	4.93	53	108204	91.344	ug/l # 86
15) Acetone	3.78	58	30447	95.197	ug/l 94
16) Carbon Disulfide	4.01	76	139256	17.460	ug/l 98
17) Allyl chloride	4.28	41	99916	19.267	ug/l 96
18) Methylene Chloride	4.51	84	57962	18.171	ug/l 92
19) trans-1,2-Dichloroethene	4.99	96	52252	17.368	ug/l 99
20) Diisopropyl ether	5.90	45	177745	18.547	ug/l 97
21) 1,1-Dichloroethane	5.80	63	104813	17.914	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	62458	17.759	ug/l 97
23) tert-Butyl Alcohol	4.73	59	53241	97.175	ug/l # 100
25) Chloroform	7.33	83	110381	18.157	ug/l 97
26) Cyclohexane	7.61	56	79347	17.104	ug/l # 87
29) 1,1-Dichloropropene	7.75	75	79368	17.547	ug/l 99
30) 2-Butanone	6.78	43	174663	93.643	ug/l 99
31) 2,2-Dichloropropane	6.78	77	99938	17.404	ug/l 99
32) 1,1,1-Trichloroethane	7.53	97	104769	18.179	ug/l 97
33) Carbon Tetrachloride	7.73	117	91911	17.494	ug/l 97
34) Benzene	8.00	78	223622	17.754	ug/l 99
35) Methacrylonitrile	7.12	41	41168	20.122	ug/l 93
36) 1,2-Dichloroethane	8.09	62	100164	19.662	ug/l 98
37) Trichloroethene	8.80	130	61578	17.757	ug/l 97
38) Methylcyclohexane	9.05	83	74336	17.184	ug/l 98
39) 1,2-Dichloropropane	9.08	63	59653	17.747	ug/l 90
40) Dibromomethane	9.17	93	42959	18.369	ug/l 96
41) Bromodichloromethane	9.37	83	89960	17.774	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.84	43	823062	92.949	ug/l	99
43) Ethyl Acetate	6.88	43	73064	17.936	ug/l	97
44) Isopropyl Acetate	8.13	43	147157	18.816	ug/l #	86
45) 1,4-Dioxane	9.16	88	18717	409.199	ug/l	89
46) Methyl methacrylate	9.16	41	72151	19.443	ug/l	95
47) n-amyl Acetate	12.05	43	123605	17.816	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	105587	18.497	ug/l	93
49) cis-1,3-Dichloropropene	9.81	75	105724	17.926	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	55503	17.715	ug/l	98
51) Ethyl methacrylate	10.40	69	91581	18.485	ug/l	98
52) 1,3-Dichloropropane	10.68	76	98804	18.291	ug/l	99
53) Dibromochloromethane	10.87	129	70962	17.995	ug/l	95
54) 1,2-Dibromoethane	10.98	107	60762	18.245	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	235815	96.844	ug/l	98
56) Bromoform	12.10	173	48223	17.559	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	391278	94.427	ug/l	99
59) 2-Hexanone	10.72	43	282300	91.767	ug/l	99
61) Tetrachloroethene	10.60	164	58586	17.772	ug/l	96
62) Toluene	10.13	91	246079	17.603	ug/l	99
64) Chlorobenzene	11.41	112	151709	17.426	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	61813	18.122	ug/l	97
66) Ethyl Benzene	11.48	91	282591	17.583	ug/l	100
67) m/p-Xylenes	11.60	106	204817	34.265	ug/l	99
68) o-Xylene	11.92	106	99647	17.179	ug/l	99
69) Styrene	11.94	104	170248	17.349	ug/l	99
70) Isopropylbenzene	12.22	105	267477	17.460	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	76101	18.128	ug/l	96
72) 1,2,3-Trichloropropane	12.53	75	110104	25.134	ug/l	51
73) Bromobenzene	12.50	156	64403	17.434	ug/l	94
74) n-propylbenzene	12.57	91	301584	17.249	ug/l	98
75) 2-Chlorotoluene	12.65	91	188190	17.387	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	229674	17.619	ug/l	96
77) t-1,4-Dichloro-2-butene	12.28	75	30204	17.635	ug/l	92
78) 4-Chlorotoluene	12.75	91	192250	16.981	ug/l	97
79) tert-butylbenzene	12.97	119	184108	17.276	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	231116	17.465	ug/l	99
81) sec-Butylbenzene	13.15	105	238772	17.220	ug/l	99
82) p-Isopropyltoluene	13.26	119	215014	16.754	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	113979	17.213	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	114242	17.233	ug/l	99
85) n-Butylbenzene	13.59	91	189134	16.602	ug/l	99
86) Hexachloroethane	13.85	117	38093	17.242	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	111228	17.224	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	19635	18.468	ug/l	92
89) 1,2,4-Trichlorobenzene	14.88	180	65230	16.821	ug/l	96
90) Hexachlorobutadiene	14.98	225	33337	16.960	ug/l	98
91) Naphthalene	15.10	128	204521	17.399	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	64849	17.486	ug/l	97

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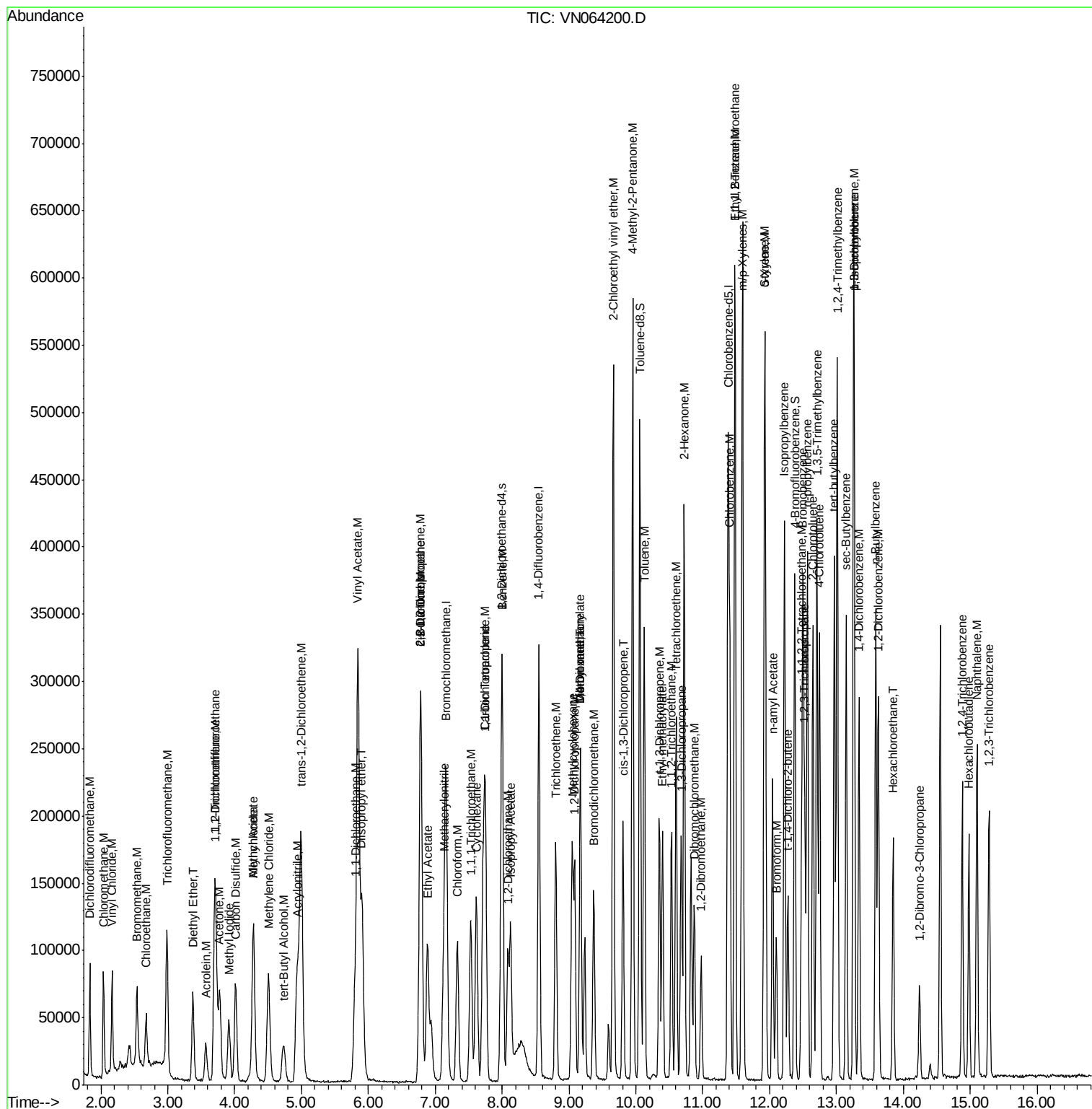
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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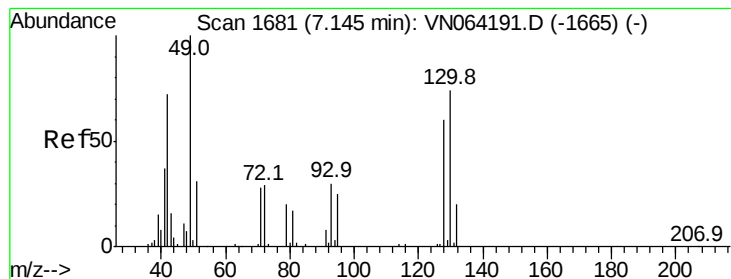
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampled :

Quant Time: Oct 21 04:49:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
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QLast Update : Tue Oct 20 11:51:57 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :
MSVOA_N
ClientSampleId :

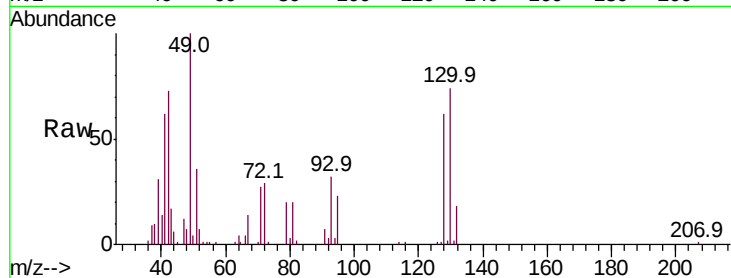
Tot Ion:128 Resp: 48877

Ion Ratio Lower Upper

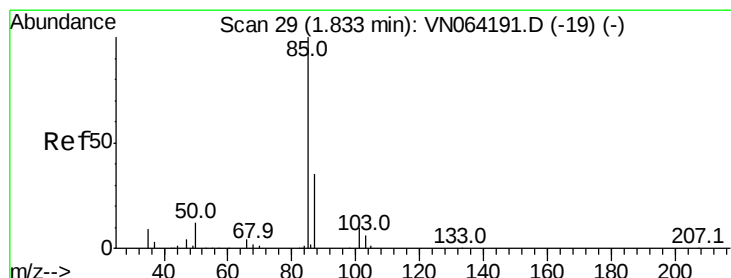
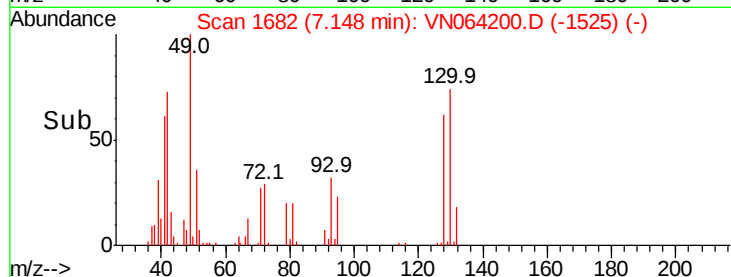
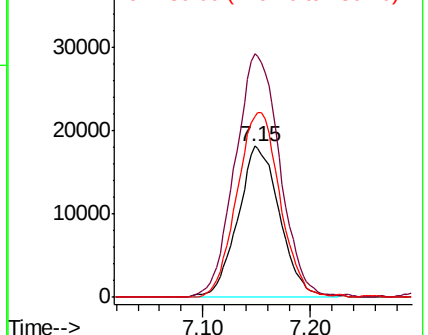
128 100

49 172.4 0.0 433.3

130 125.4 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.405 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064200.D

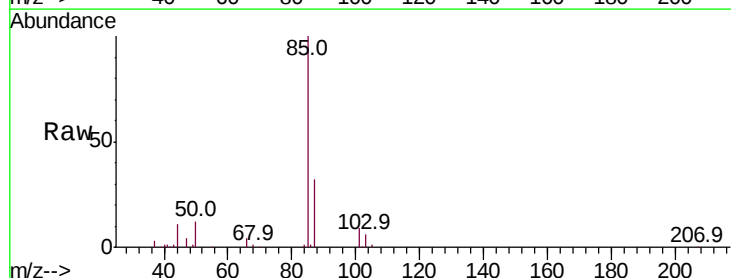
Acq: 20 Oct 2020 17:06

Tgt Ion: 85 Resp: 65073

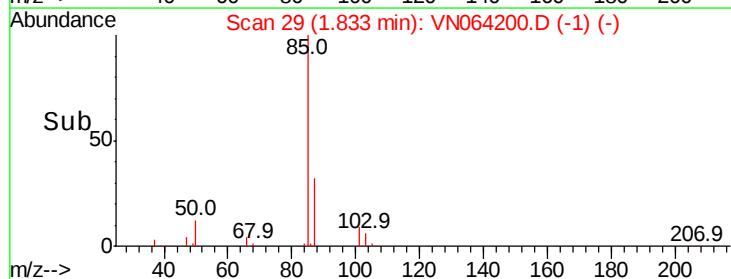
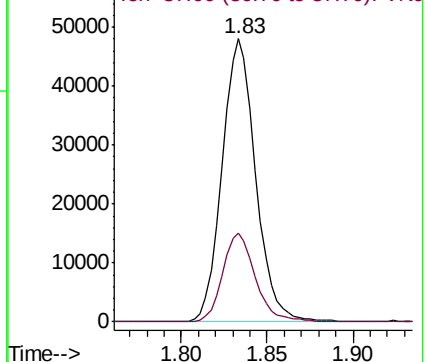
Ion Ratio Lower Upper

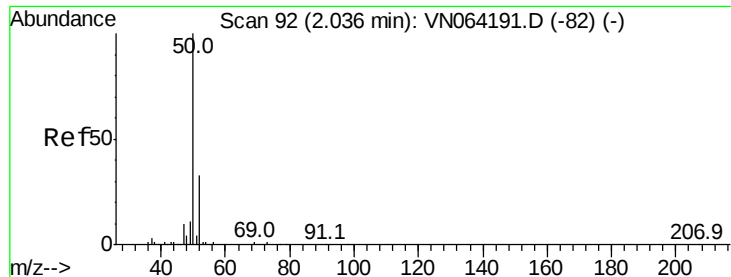
85 100

87 31.5 17.8 53.3



Abundance Ion 85.00 (84.70 to 85.70): V
Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 18.886 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

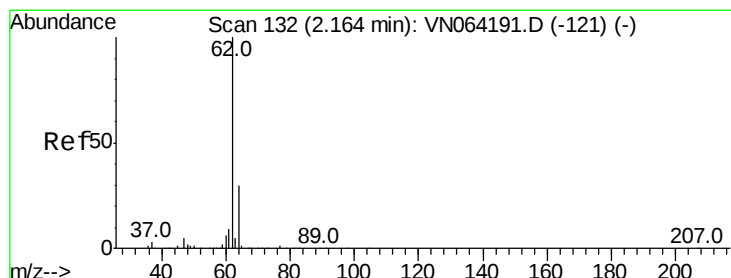
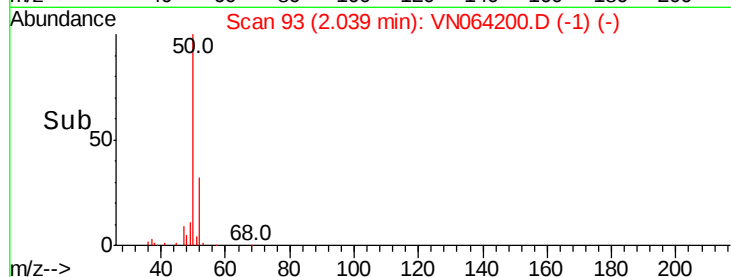
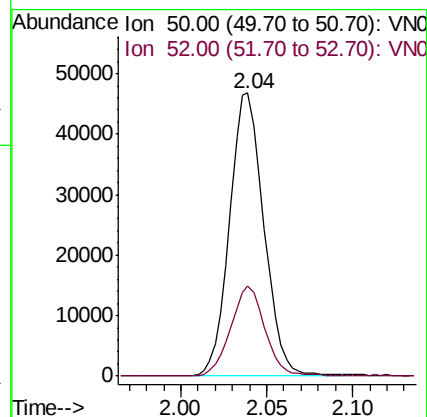
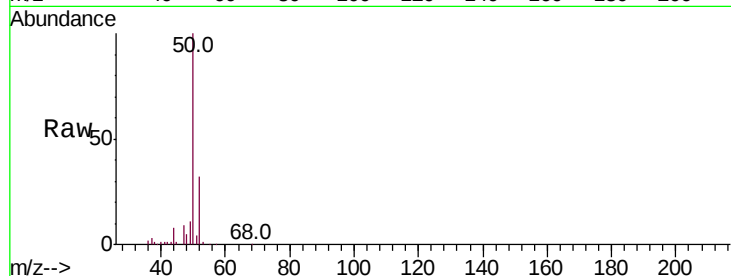
ClientSampled :

Tot Ion: 50 Resp: 64899

Ion Ratio Lower Upper

50 100

52 31.8 26.6 40.0



#4

Vinyl Chloride

Concen: 19.010 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064200.D

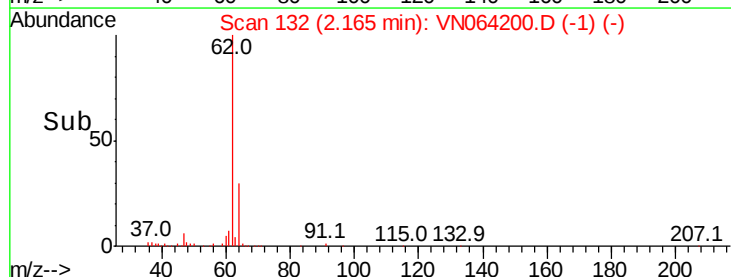
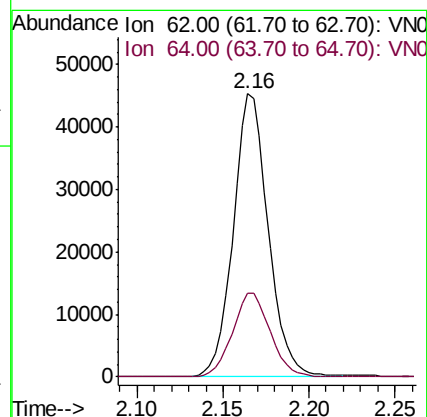
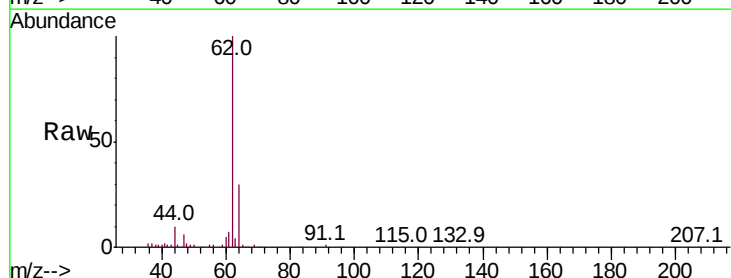
Acq: 20 Oct 2020 17:06

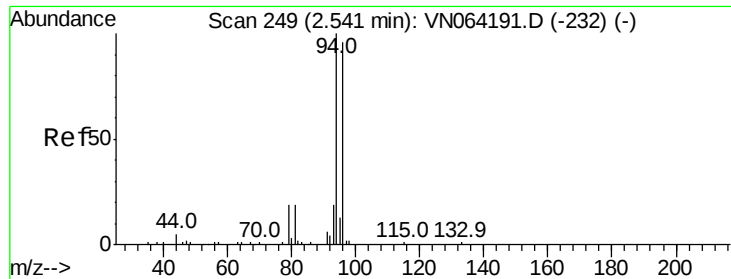
Tgt Ion: 62 Resp: 64272

Ion Ratio Lower Upper

62 100

64 29.5 24.4 36.6





#5

Bromomethane

Concen: 19.315 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

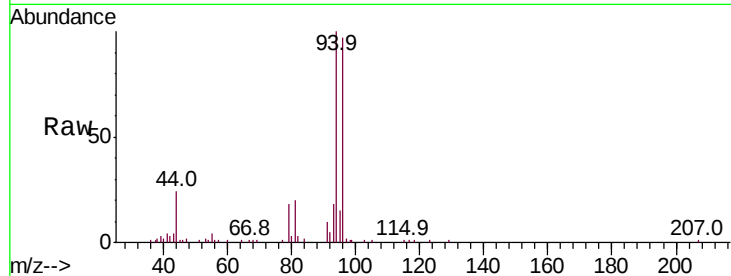
ClientSampleId :

Tot Ion: 94 Resp: 39068

Ion Ratio Lower Upper

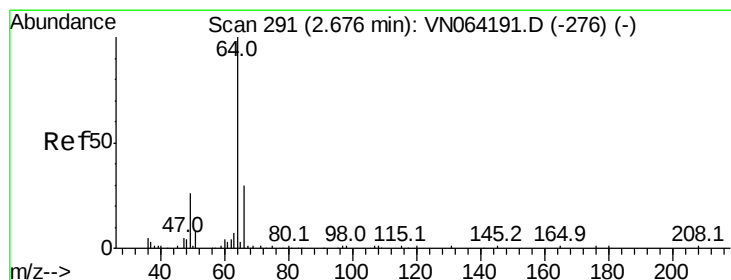
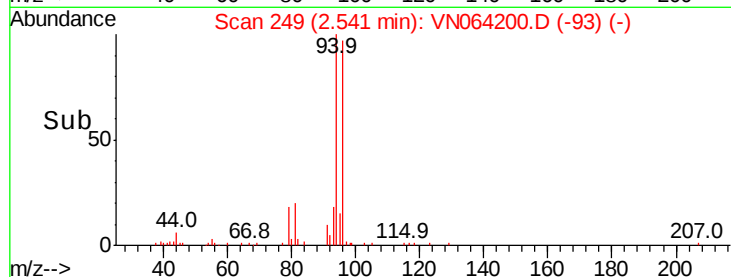
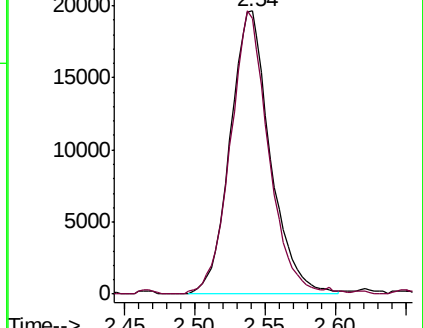
94 100

96 97.0 76.6 115.0



Abundance Ion 94.00 (93.70 to 94.70): VN064191.D (-232) (-)

Ion 96.00 (95.70 to 96.70): VN064191.D (-232) (-)



#6

Chloroethane

Concen: 18.206 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN064200.D

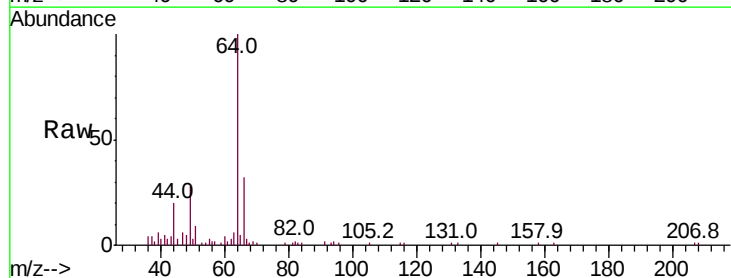
Acq: 20 Oct 2020 17:06

Tgt Ion: 64 Resp: 35850

Ion Ratio Lower Upper

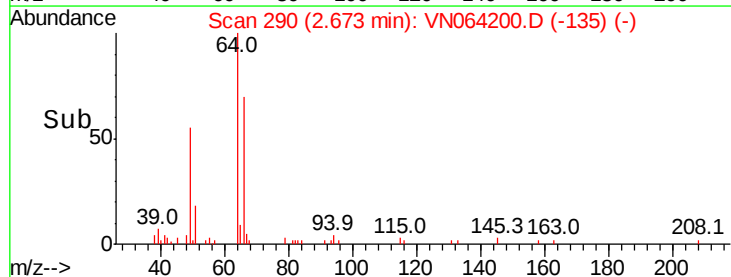
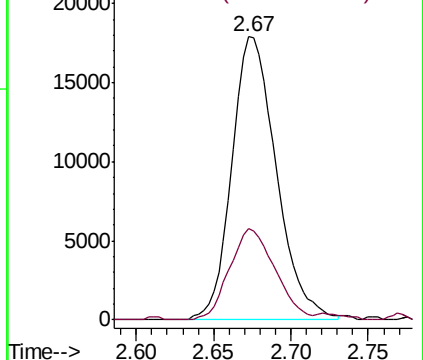
64 100

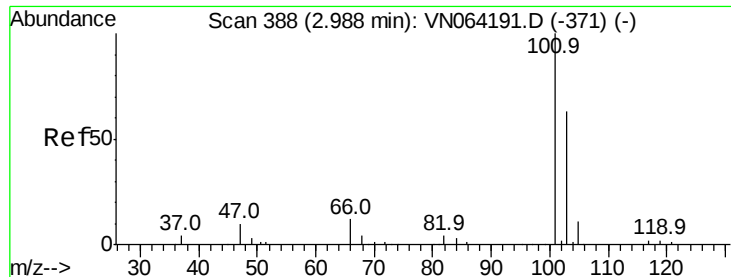
66 32.4 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VN064191.D (-276) (-)

Ion 66.00 (65.70 to 66.70): VN064191.D (-276) (-)



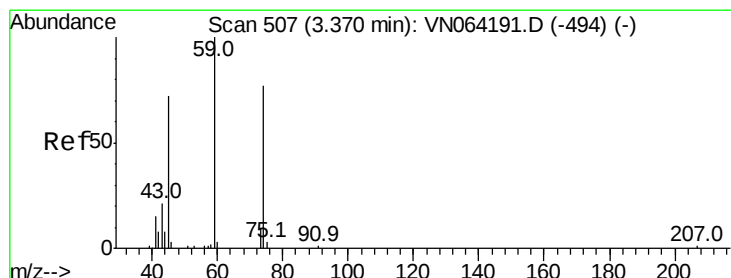
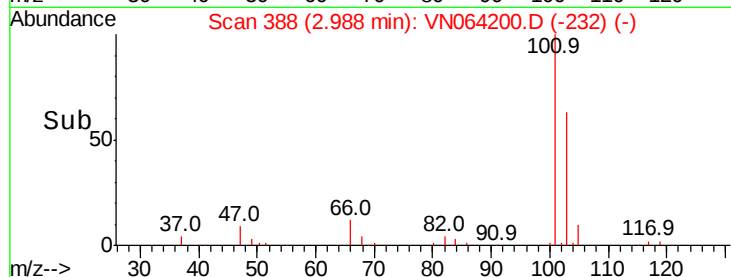
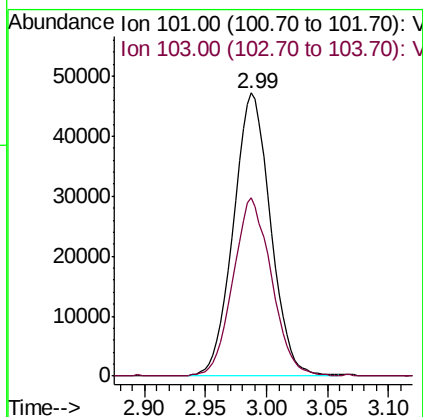
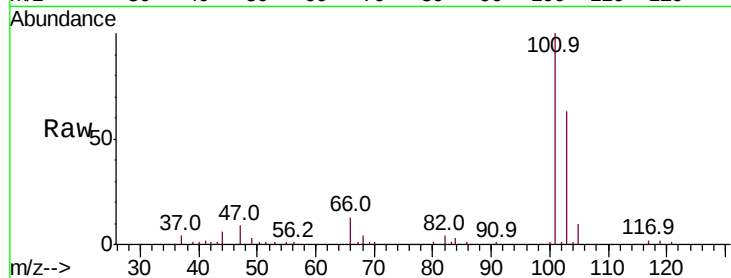


#7

Trichlorofluoromethane
Concen: 18.366 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

Instrument :
MSVOA_N
ClientSampled :

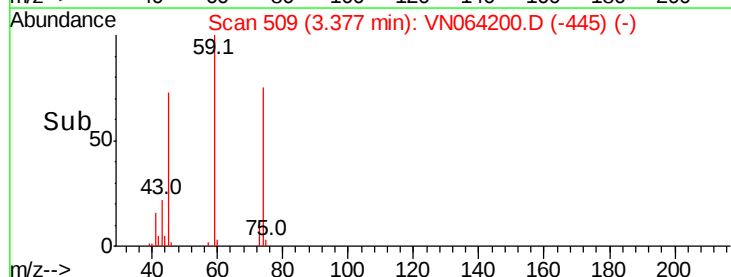
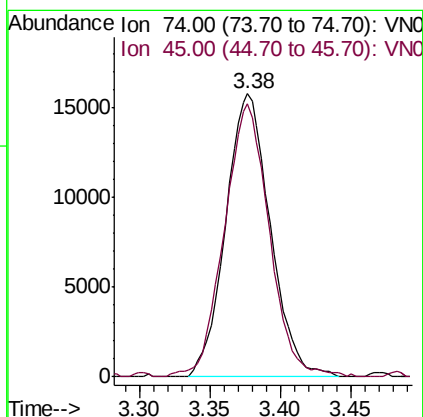
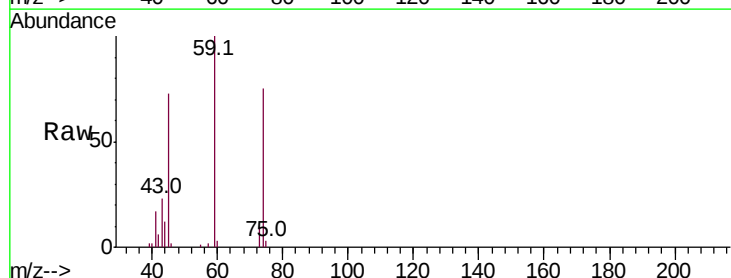
Tot Ion:101 Resp: 99679
Ion Ratio Lower Upper
101 100
103 63.2 50.7 76.1

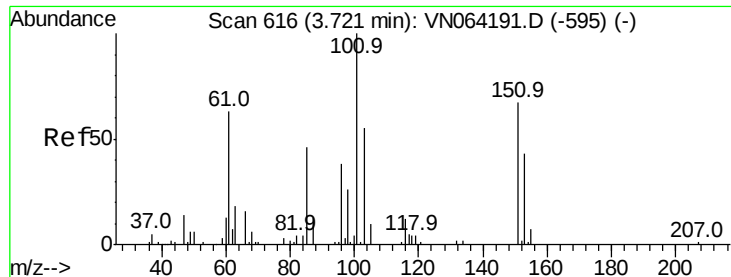


#8

Diethyl Ether
Concen: 18.907 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.01 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

Tgt Ion: 74 Resp: 34840
Ion Ratio Lower Upper
74 100
45 96.0 19.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.440 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

ClientSampled :

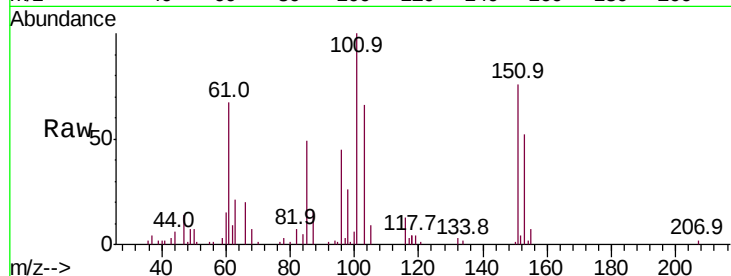
Tot Ion:101 Resp: 49956

Ion Ratio Lower Upper

101 100

85 48.4 0.0 94.0

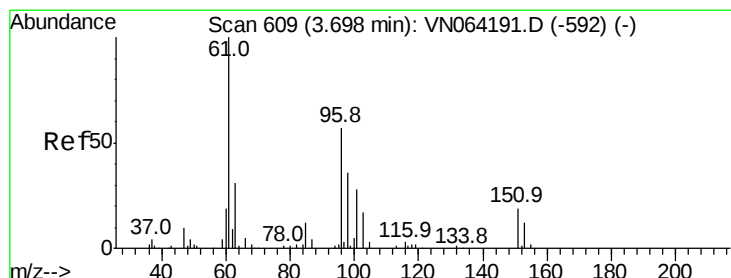
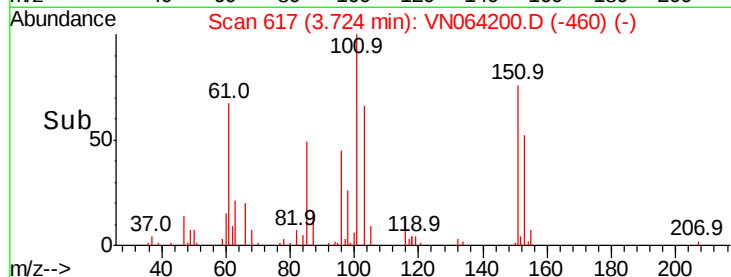
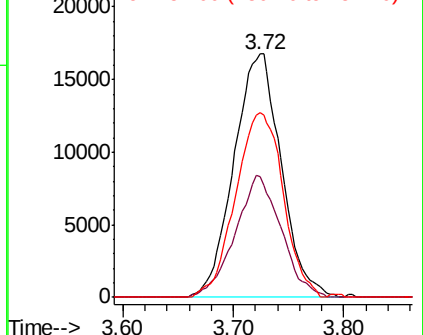
151 76.2 0.0 146.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 17.847 ug/l

RT: 3.70 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

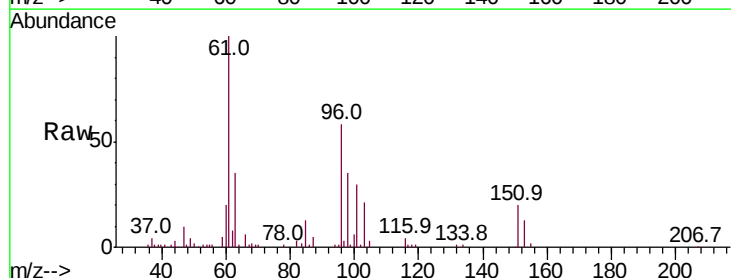
Tgt Ion: 96 Resp: 49774

Ion Ratio Lower Upper

96 100

61 172.4 141.0 211.4

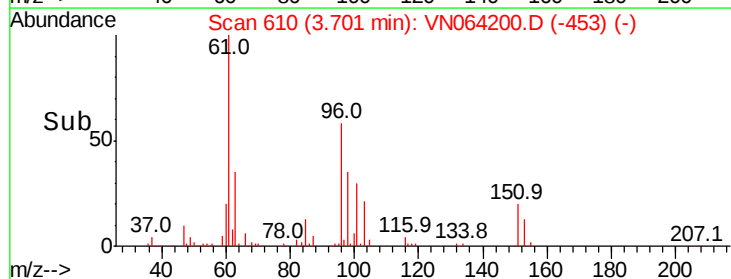
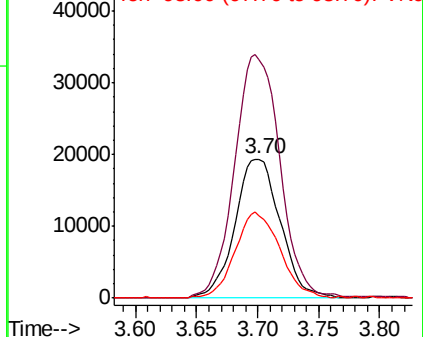
98 59.8 51.4 77.2

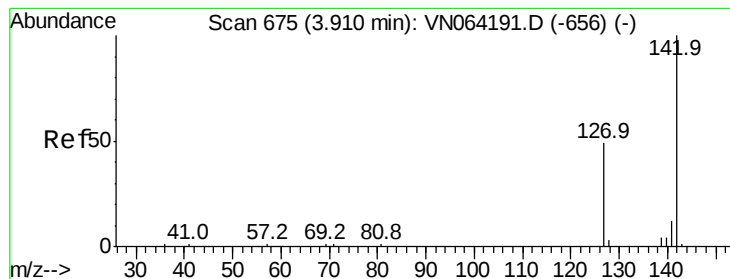


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

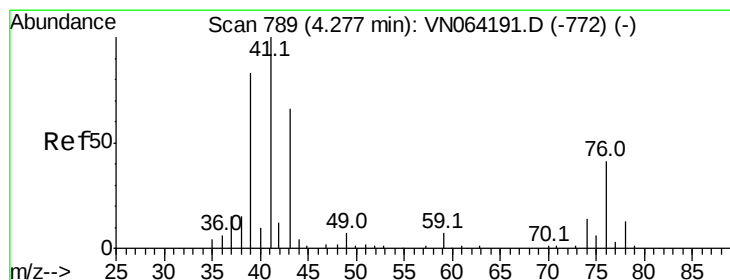
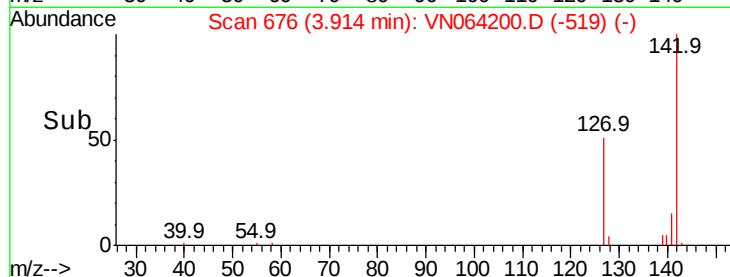
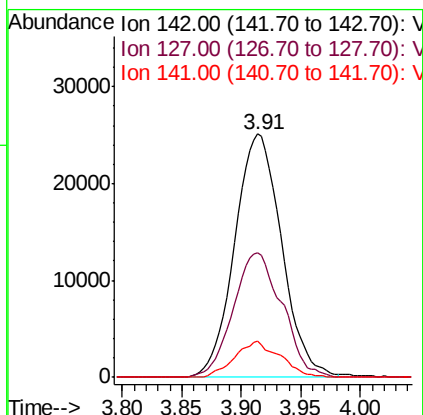
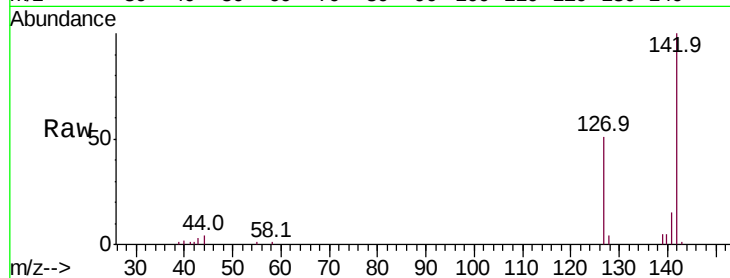




#11
Methvl Iodide
Concen: 17.086 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

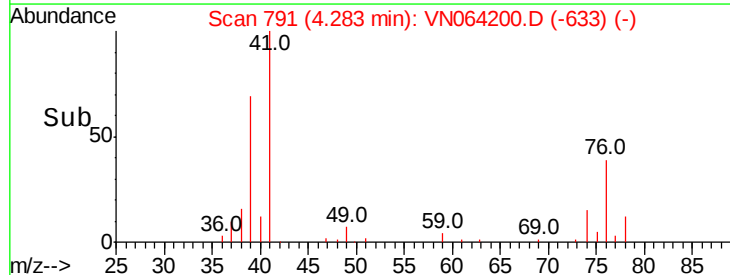
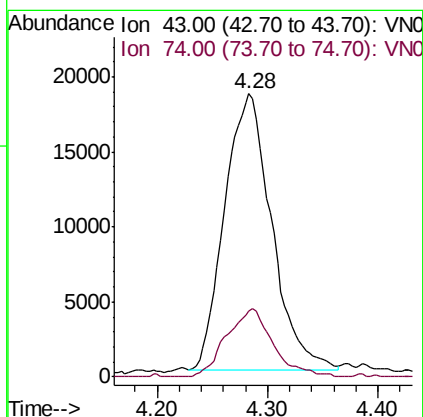
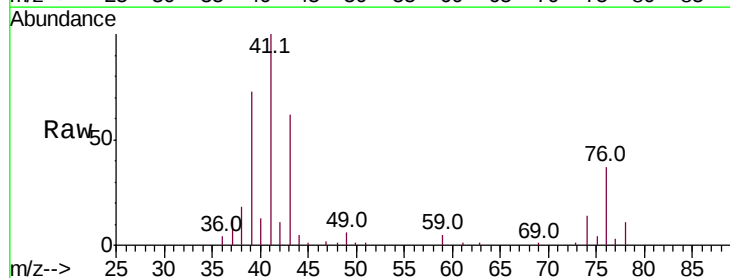
Instrument :
MSVOA_N
ClientSampleId :

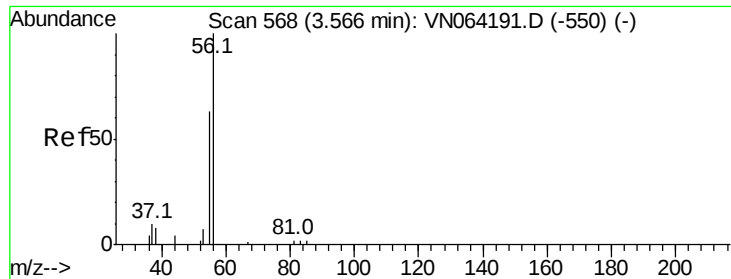
Tot Ion:142 Resp: 68686
Ion Ratio Lower Upper
142 100
127 51.5 24.5 73.5
141 15.1 6.0 18.1



#12
Methyl Acetate
Concen: 18.530 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

Tgt Ion: 43 Resp: 54471
Ion Ratio Lower Upper
43 100
74 23.9 16.2 24.2





#13

Acrolein

Concen: 94.538 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

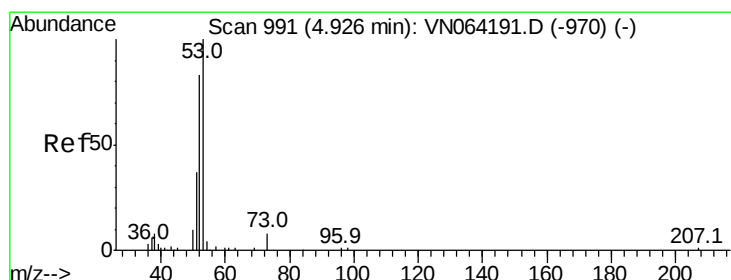
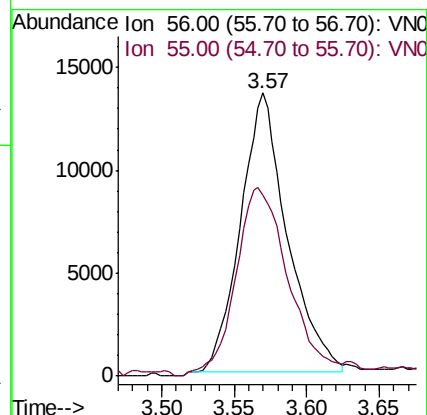
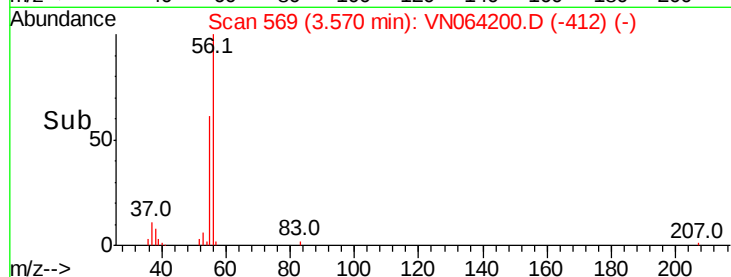
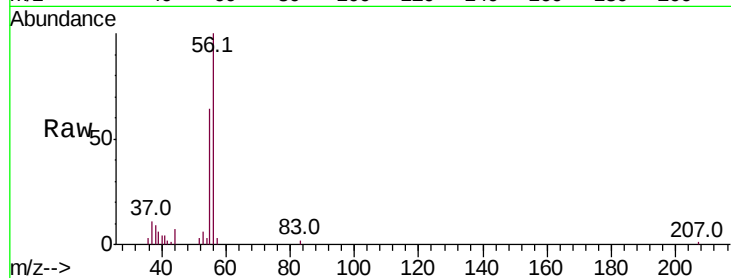
ClientSampleId :

Tot Ion: 56 Resp: 30386

Ion Ratio Lower Upper

56 100

55 76.4 0.5 0.7#



#14

Acrylonitrile

Concen: 91.344 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

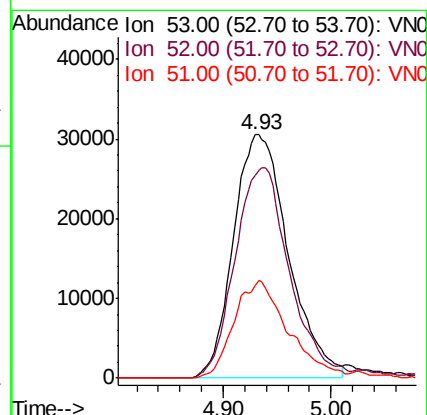
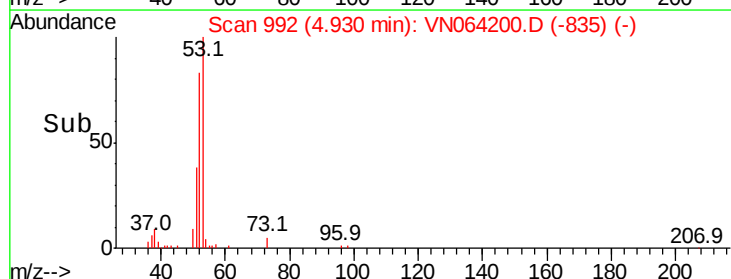
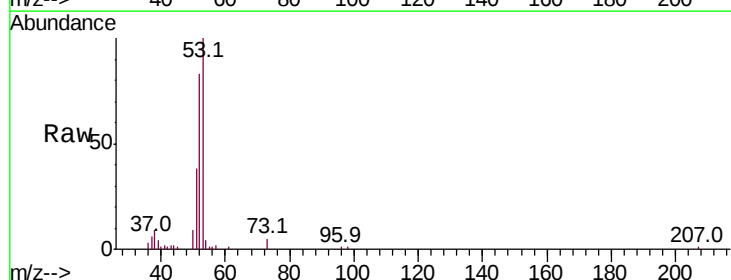
Tgt Ion: 53 Resp: 108204

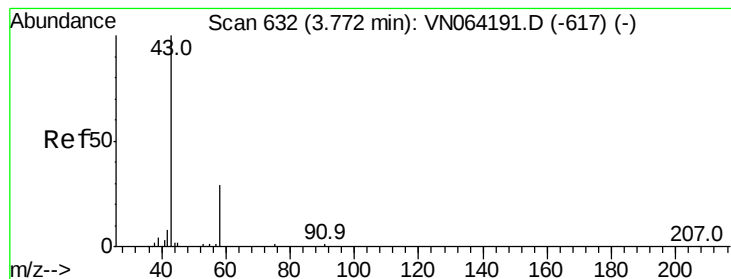
Ion Ratio Lower Upper

53 100

52 84.7 41.3 123.9

51 12.5 18.1 54.1#





#15

Acetone

Concen: 95.197 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

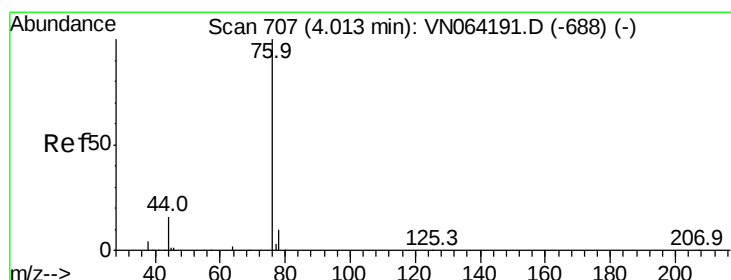
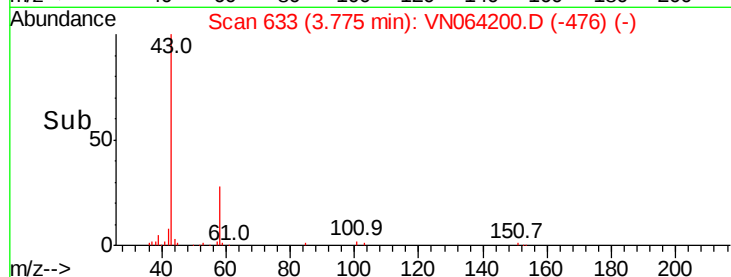
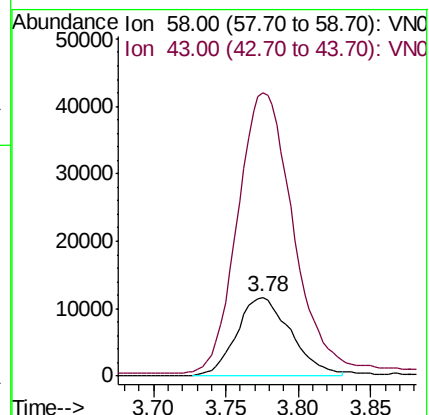
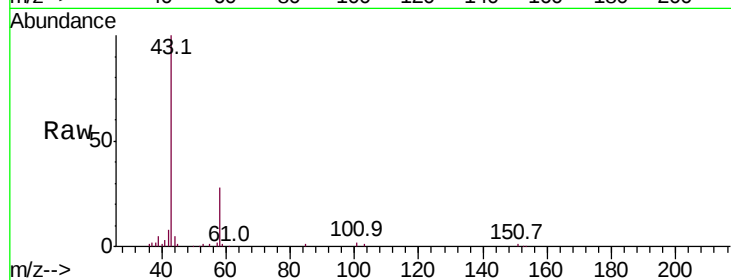
ClientSampleId :

Tot Ion: 58 Resp: 30447

Ion Ratio Lower Upper

58 100

43 353.4 272.1 408.1



#16

Carbon Disulfide

Concen: 17.460 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064200.D

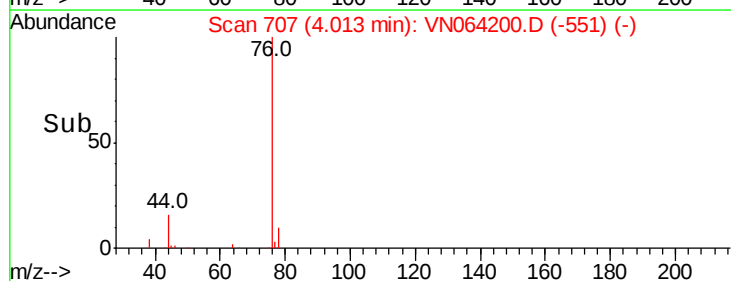
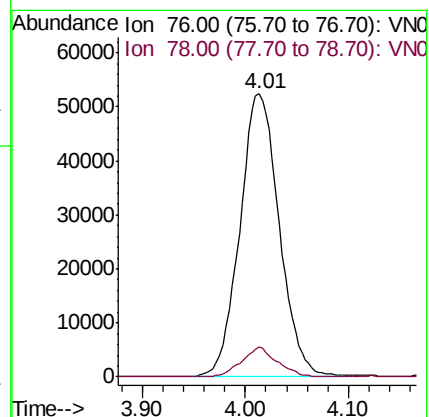
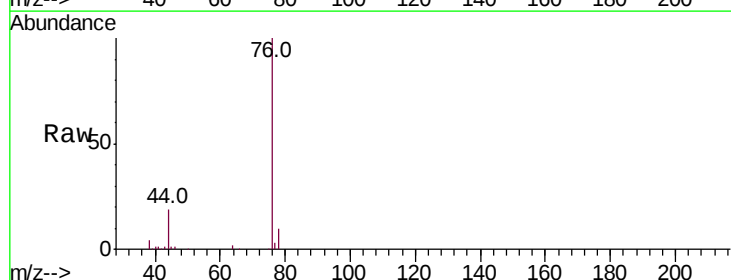
Acq: 20 Oct 2020 17:06

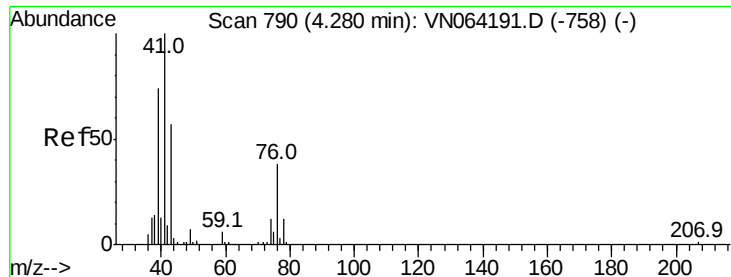
Tgt Ion: 76 Resp: 139256

Ion Ratio Lower Upper

76 100

78 10.4 7.7 11.5





#17

Allvl chloride

Concen: 19.267 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

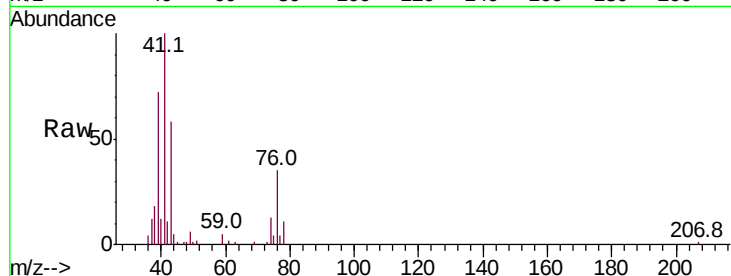
Tot Ion: 41 Resp: 99916

Ion Ratio Lower Upper

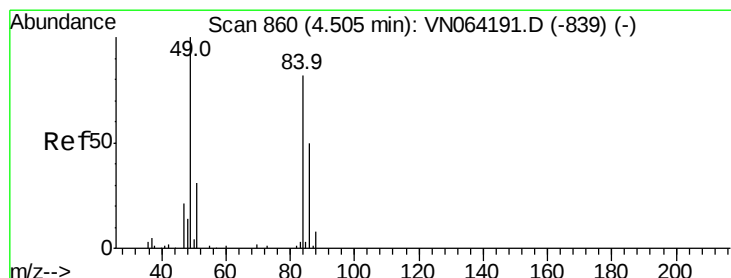
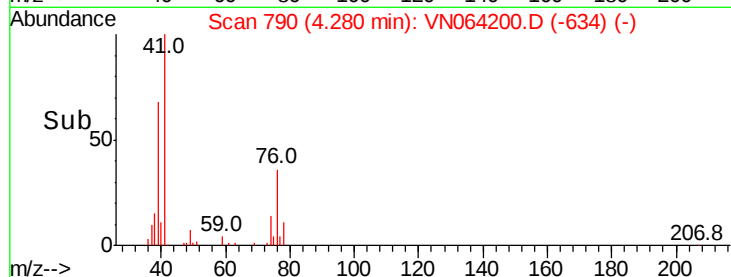
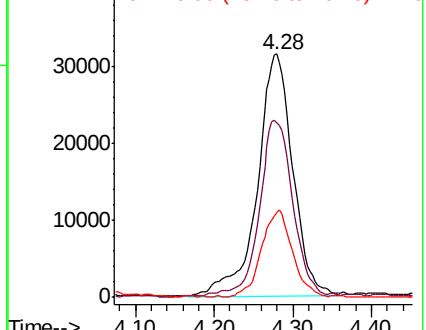
41 100

39 71.3 36.8 110.4

76 34.5 18.8 56.4



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 18.171 ug/l

RT: 4.51 min Scan# 860

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Tgt Ion: 84 Resp: 57962

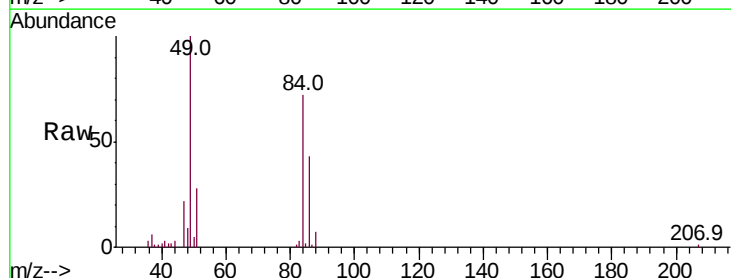
Ion Ratio Lower Upper

84 100

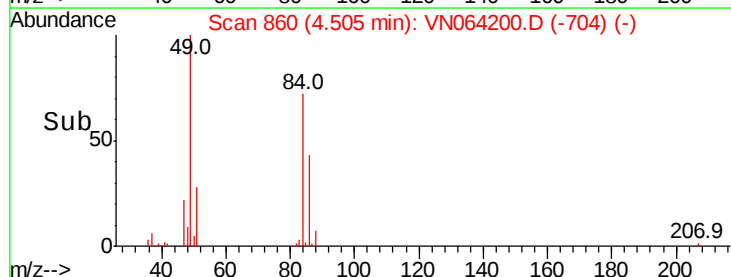
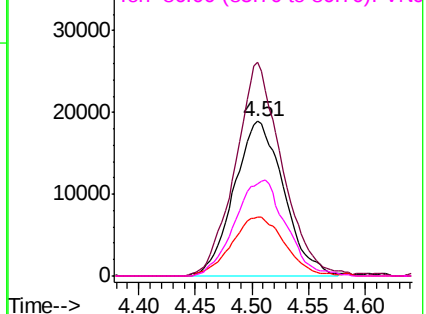
49 136.9 97.6 146.4

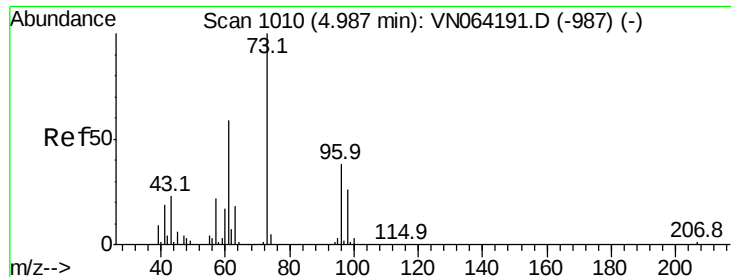
51 38.0 31.1 46.7

86 59.3 49.3 73.9



Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO

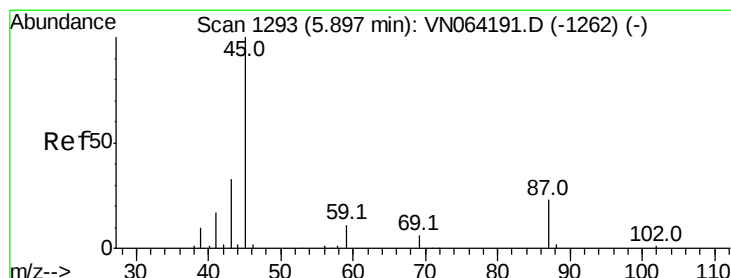
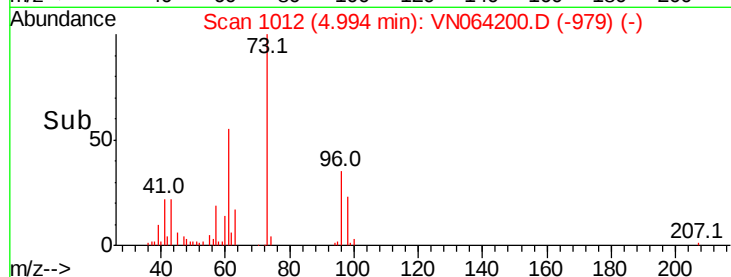
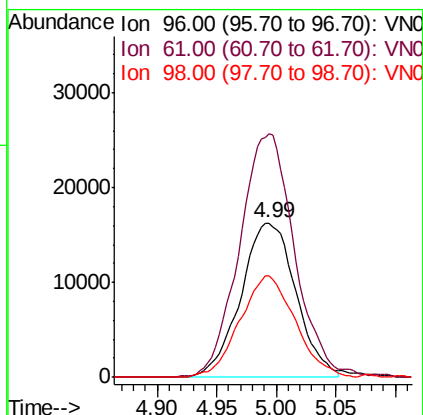
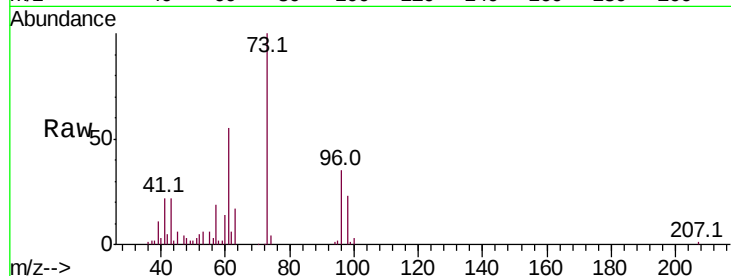




#19
trans-1,2-Dichloroethene
Concen: 17.368 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

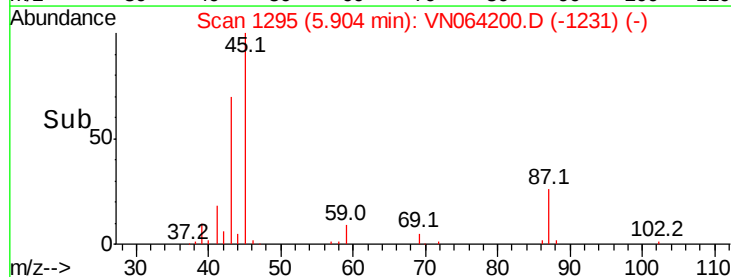
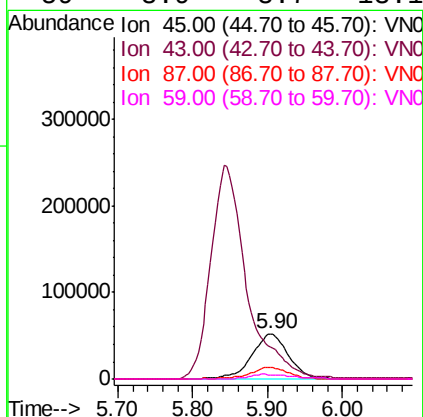
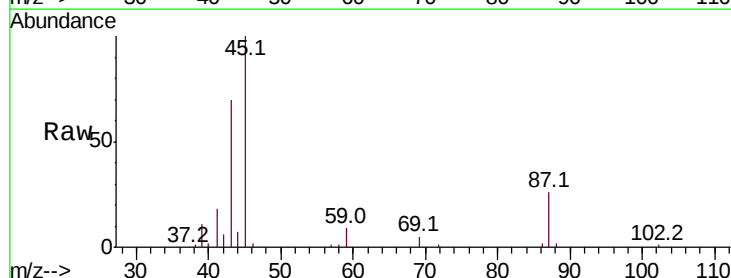
Instrument :
MSVOA_N
ClientSampleId :

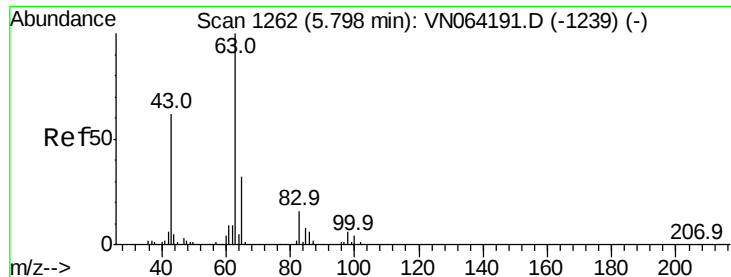
Tot Ion: 96 Resp: 52252
Ion Ratio Lower Upper
96 100
61 156.5 125.5 188.3
98 65.8 54.7 82.1



#20
Diisopropyl ether
Concen: 18.547 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

Tgt Ion: 45 Resp: 177745
Ion Ratio Lower Upper
45 100
43 67.2 55.1 82.7
87 26.2 19.4 29.2
59 8.9 8.7 13.1





#21

1,1-Dichloroethane

Concen: 17.914 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :
MSVOA_N
ClientSampleId :

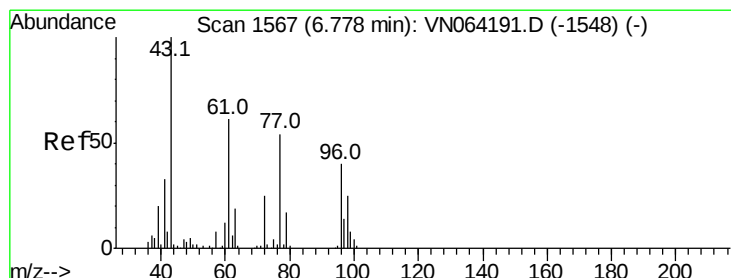
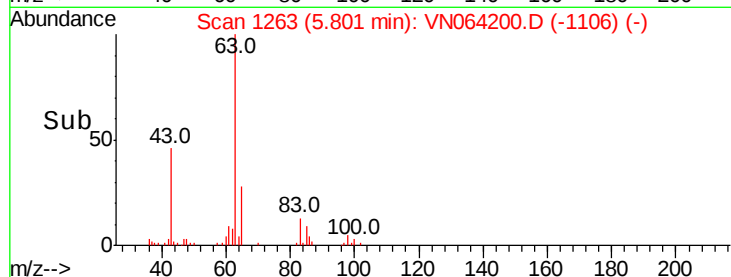
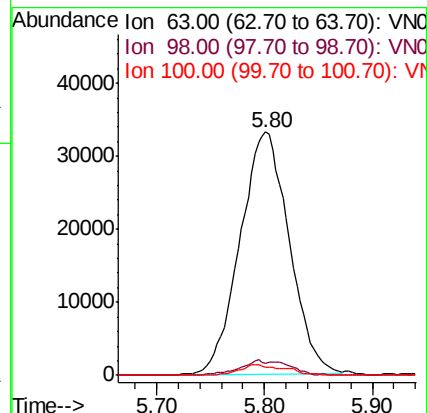
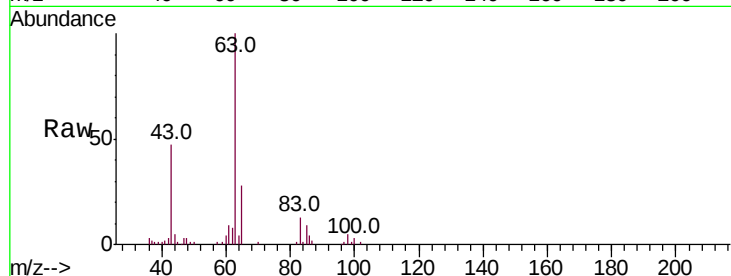
Tot Ion: 63 Resp: 104813

Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.7

100 3.4 2.1 6.3



#22

cis-1,2-Dichloroethene

Concen: 17.759 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

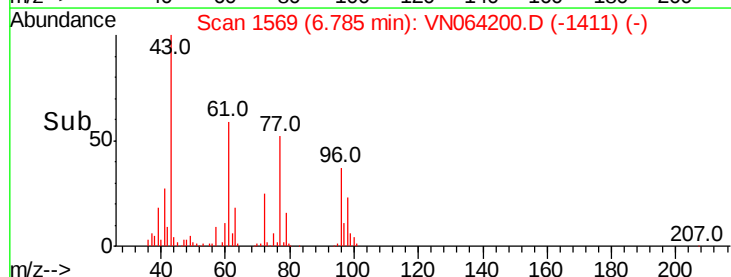
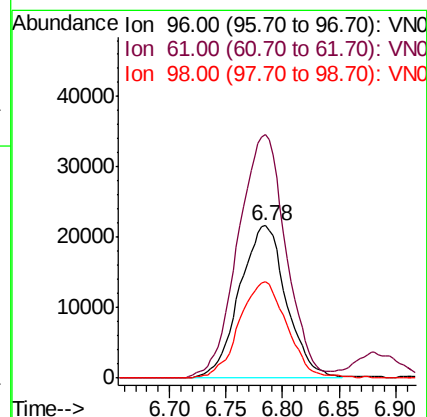
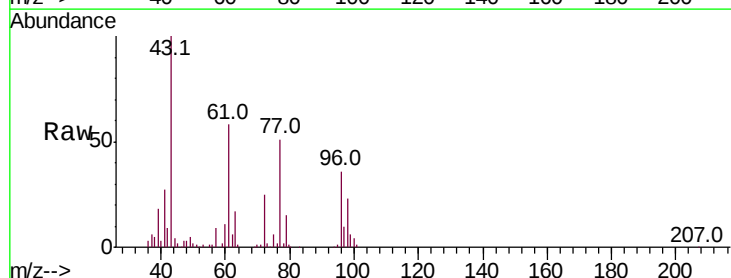
Tgt Ion: 96 Resp: 62458

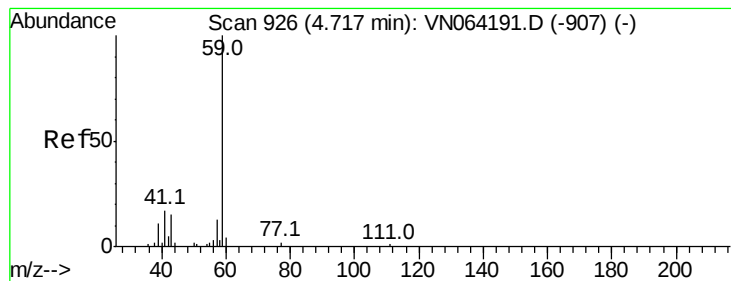
Ion Ratio Lower Upper

96 100

61 162.8 126.2 189.4

98 64.4 50.2 75.4





#23

tert-Butyl Alcohol

Concen: 97.175 ug/l

RT: 4.73 min Scan# 930

Delta R.T. 0.01 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

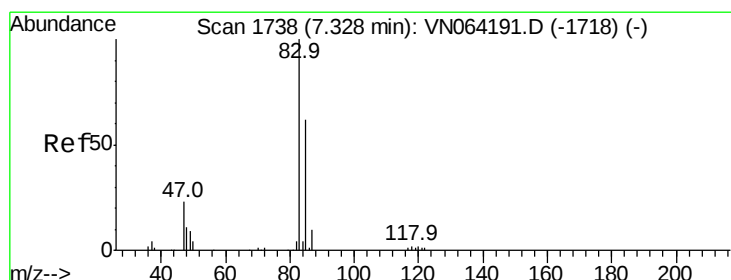
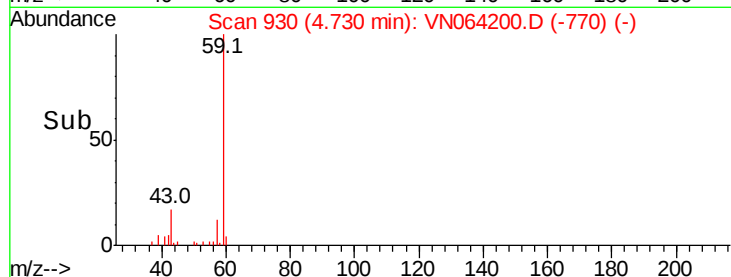
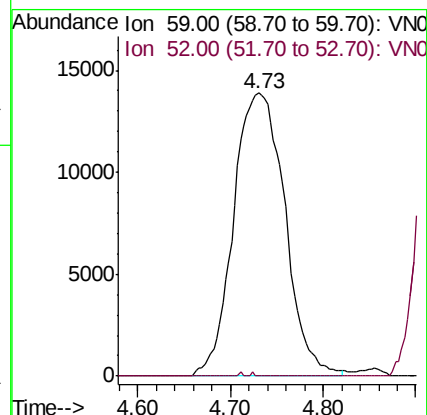
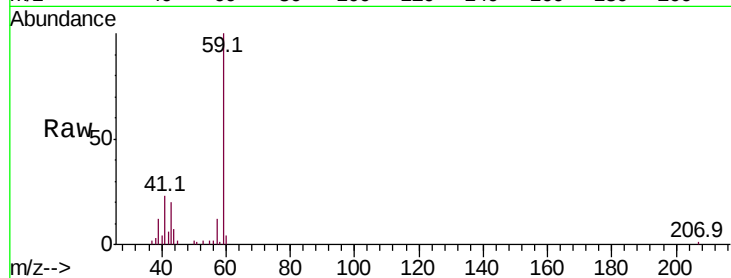
ClientSampleId :

Tot Ion: 59 Resp: 53241

Ion Ratio Lower Upper

59 100

52 0.3 0.0 0.0#



#25

Chloroform

Concen: 18.157 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VN064200.D

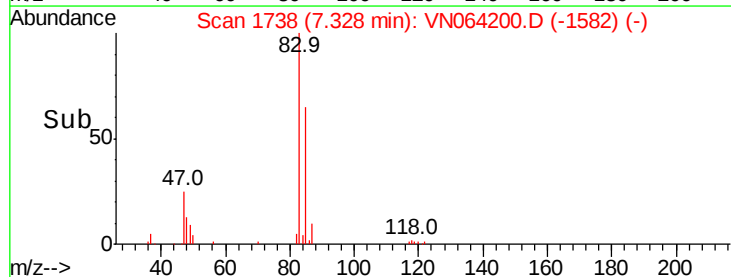
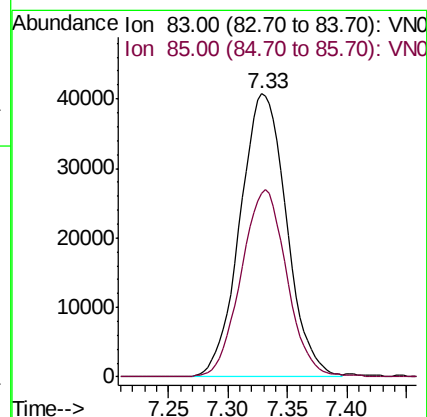
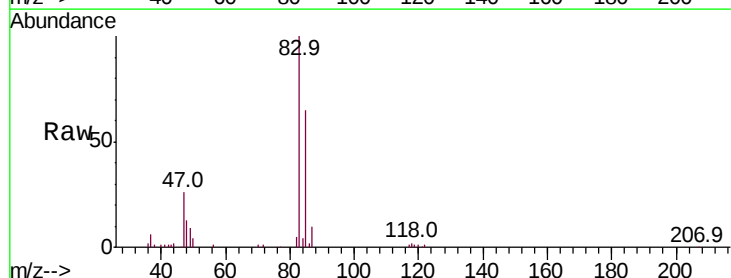
Acq: 20 Oct 2020 17:06

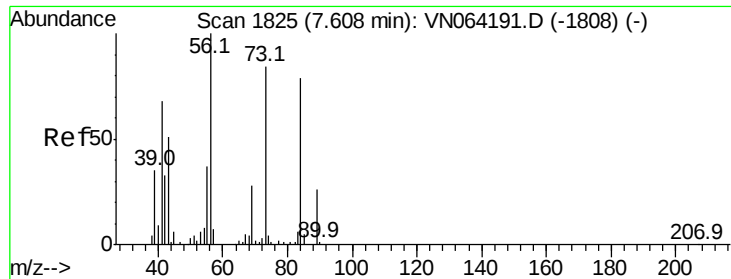
Tgt Ion: 83 Resp: 110381

Ion Ratio Lower Upper

83 100

85 64.8 49.7 74.5

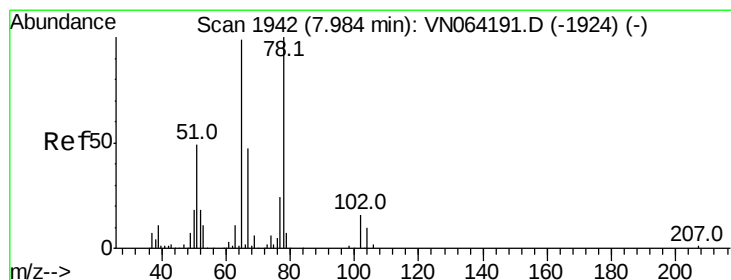
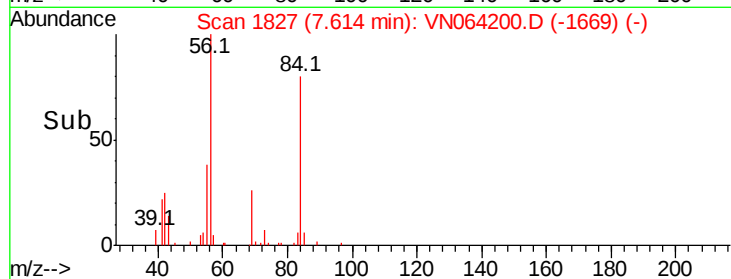
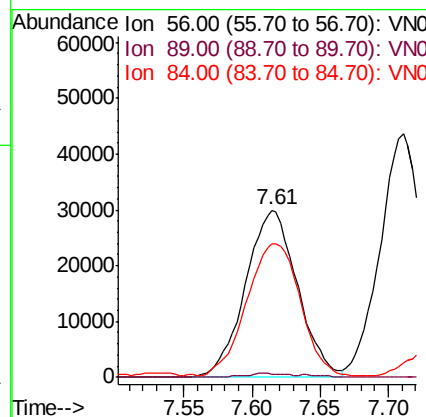
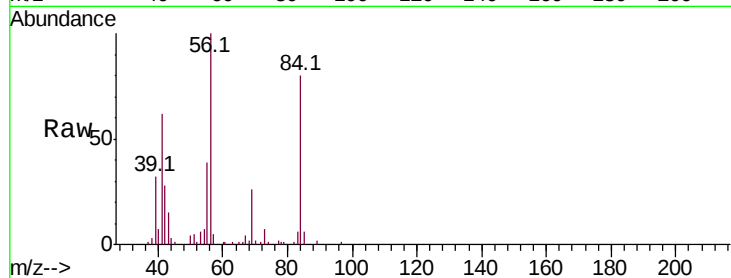




#26
Cvclohexane
Concen: 17.104 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

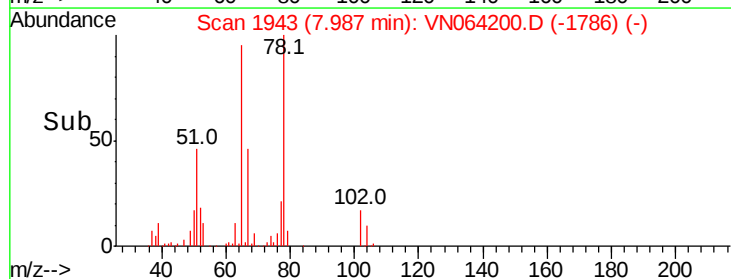
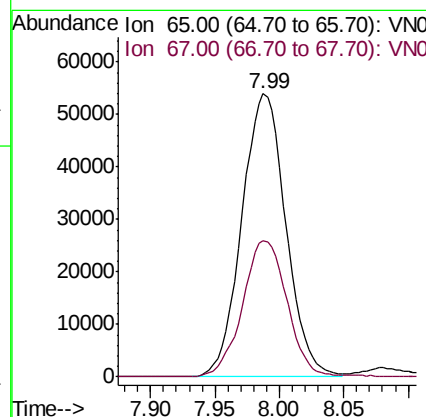
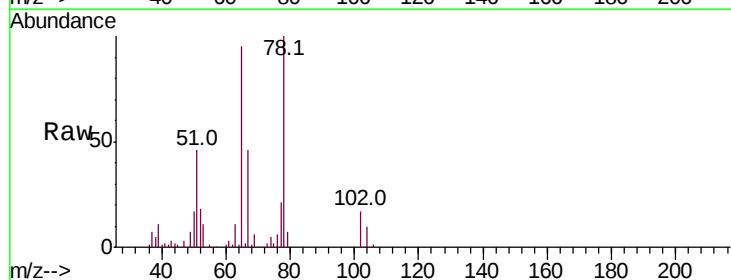
Instrument :
MSVOA_N
ClientSampled :

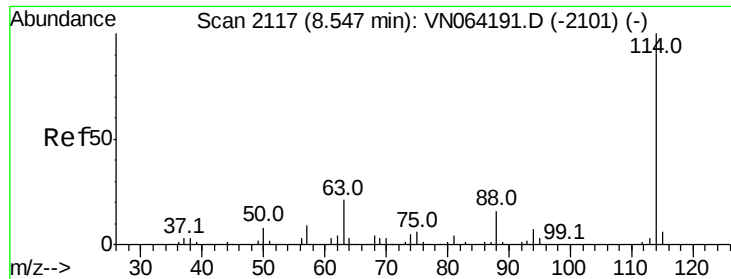
Tot Ion: 56 Resp: 79347
Ion Ratio Lower Upper
56 100
89 1.0 21.4 32.0#
84 83.4 65.8 98.6



#27
1,2-Dichloroethane-d4
Concen: 32.106 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

Tgt Ion: 65 Resp: 128477
Ion Ratio Lower Upper
65 100
67 48.5 39.8 59.6

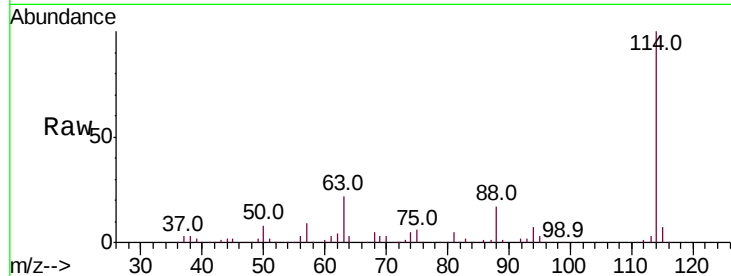




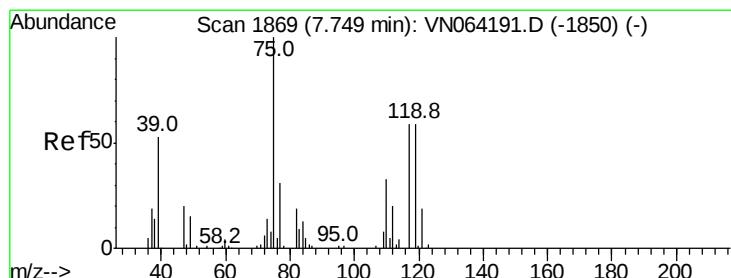
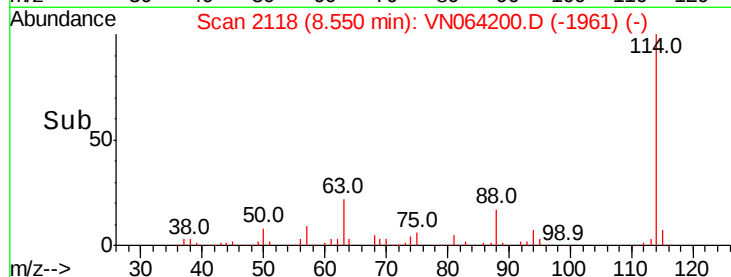
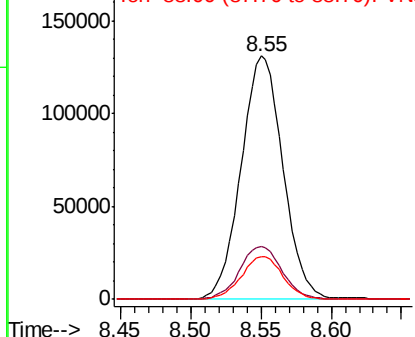
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064200.D
 Acq: 20 Oct 2020 17:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 272357
 Ion Ratio Lower Upper
 114 100
 63 22.1 17.0 25.4
 88 17.6 13.0 19.4

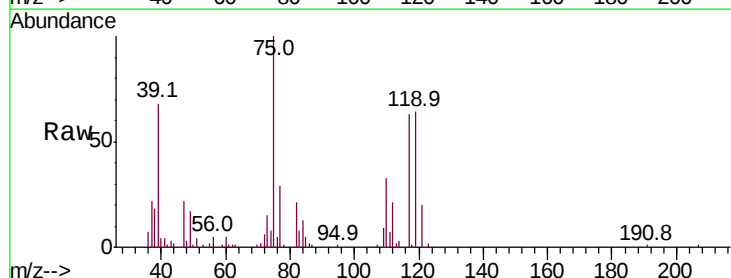


Abundance Ion 114.00 (113.70 to 114.70): VN064200.D (-1961) (-)
 Ion 63.00 (62.70 to 63.70): VN064200.D (-1961) (-)
 Ion 88.00 (87.70 to 88.70): VN064200.D (-1961) (-)

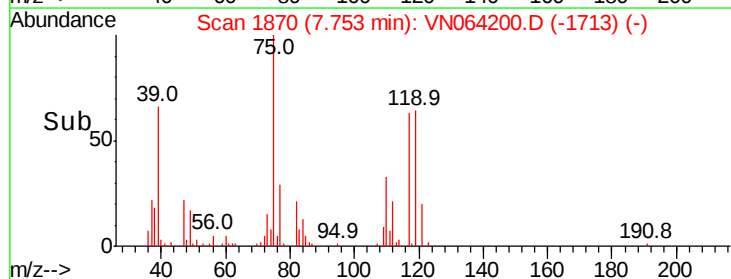
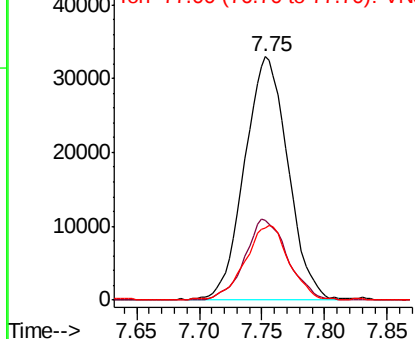


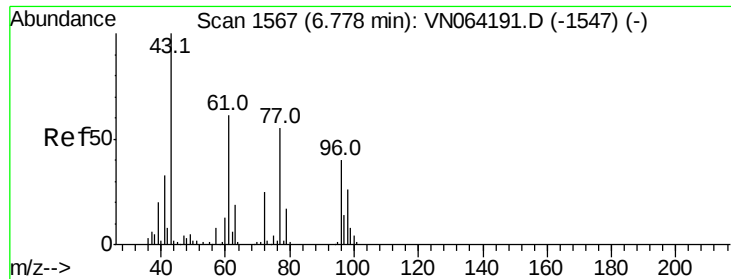
#29
 1,1-Dichloropropene
 Concen: 17.547 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064200.D
 Acq: 20 Oct 2020 17:06

Tgt Ion: 75 Resp: 79368
 Ion Ratio Lower Upper
 75 100
 110 32.7 0.0 66.8
 77 30.9 0.0 63.6



Abundance Ion 75.00 (74.70 to 75.70): VN064200.D (-1713) (-)
 Ion 110.00 (109.70 to 110.70): VN064200.D (-1713) (-)
 Ion 77.00 (76.70 to 77.70): VN064200.D (-1713) (-)

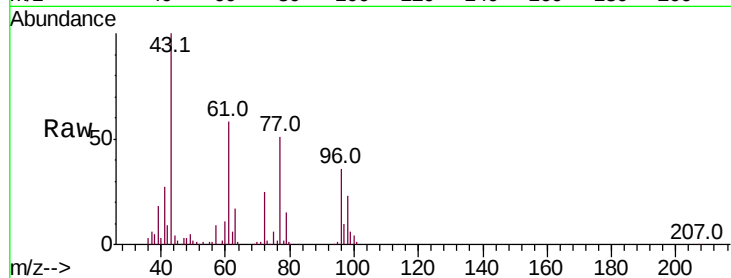




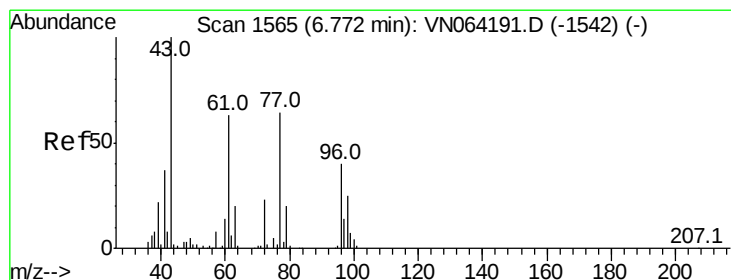
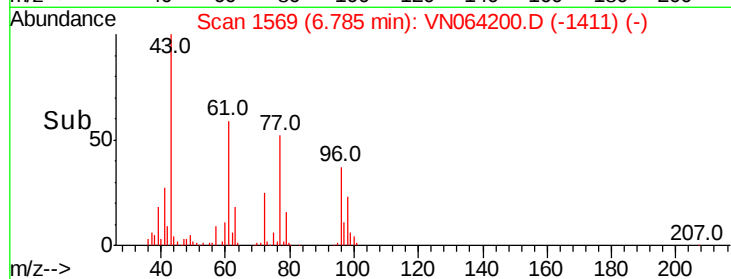
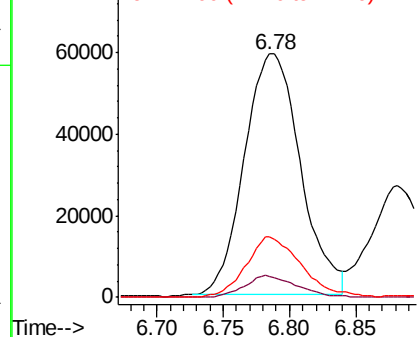
#30
2-Butanone
Concen: 93.643 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 174663
Ion Ratio Lower Upper
43 100
57 8.4 5.8 8.6
72 24.8 19.8 29.8

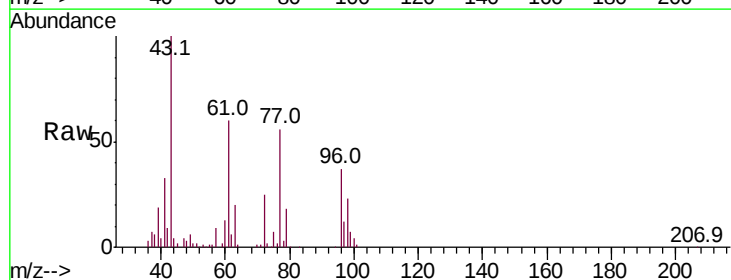


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 57.00 (56.70 to 57.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

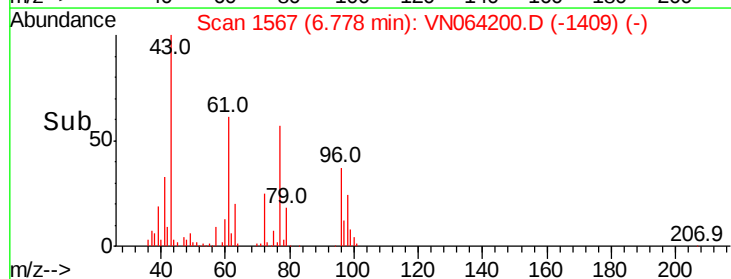
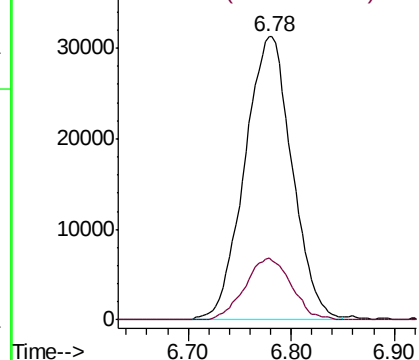


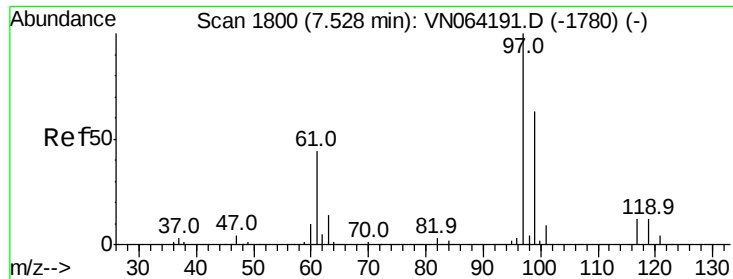
#31
2,2-Dichloropropane
Concen: 17.404 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

Tgt Ion: 77 Resp: 99938
Ion Ratio Lower Upper
77 100
97 21.3 17.3 25.9



Abundance Ion 77.00 (76.70 to 77.70): VN0
Ion 97.00 (96.70 to 97.70): VN0





#32

1,1,1-Trichloroethane

Concen: 18.179 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :
MSVOA_N
ClientSampled :

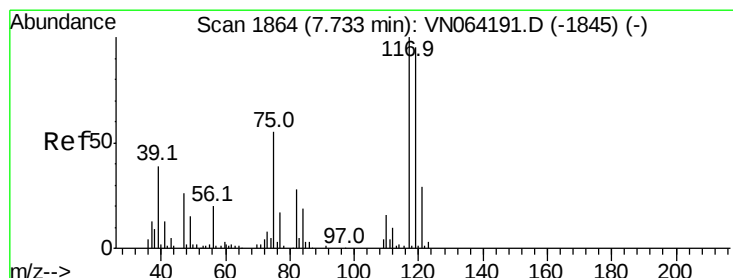
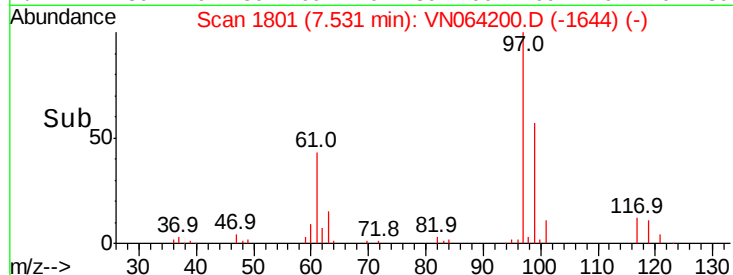
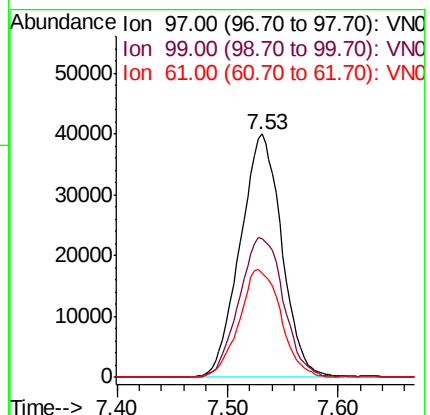
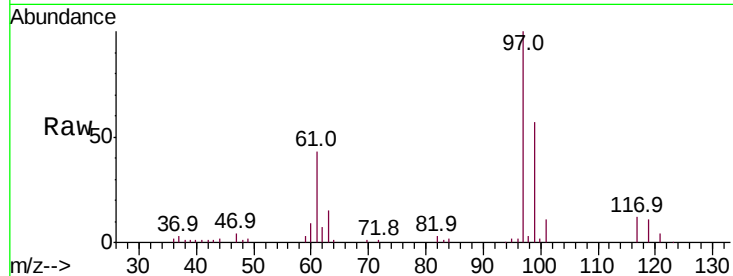
Tot Ion: 97 Resp: 104769

Ion Ratio Lower Upper

97 100

99 61.2 51.3 76.9

61 44.5 34.8 52.2



#33

Carbon Tetrachloride

Concen: 17.494 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

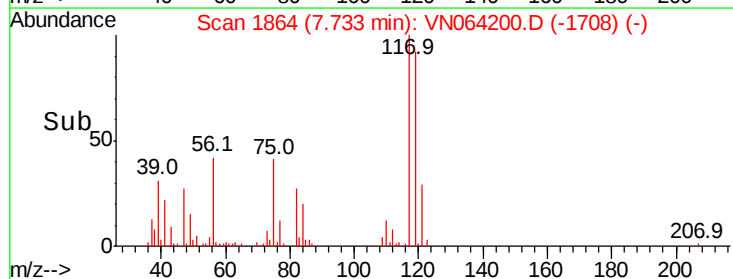
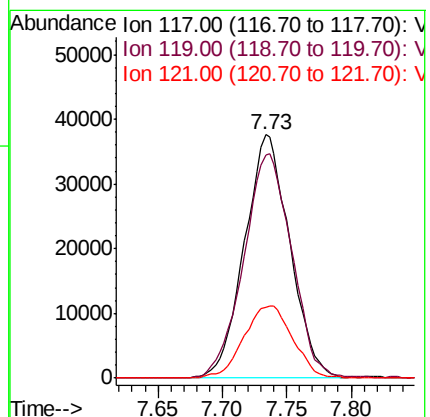
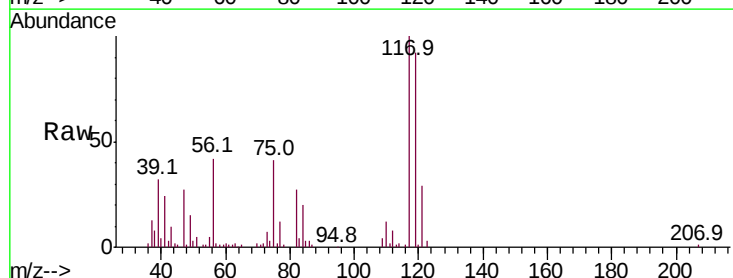
Tgt Ion: 117 Resp: 91911

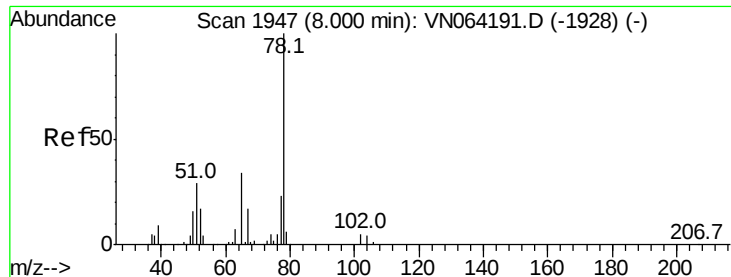
Ion Ratio Lower Upper

117 100

119 91.9 76.0 114.0

121 29.3 23.0 34.6





#34

Benzene

Concen: 17.754 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :
MSVOA_N
ClientSampled :

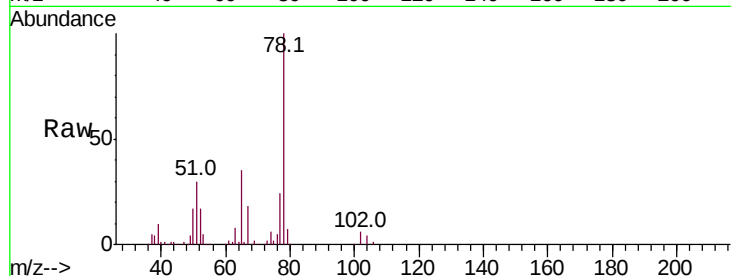
Tot Ion: 78 Resp: 223622

Ion Ratio Lower Upper

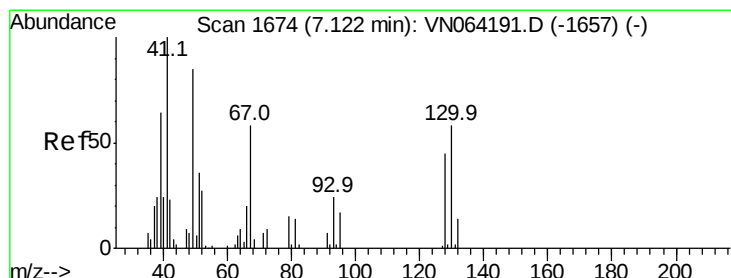
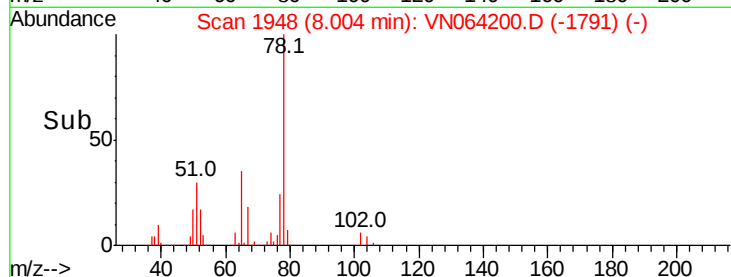
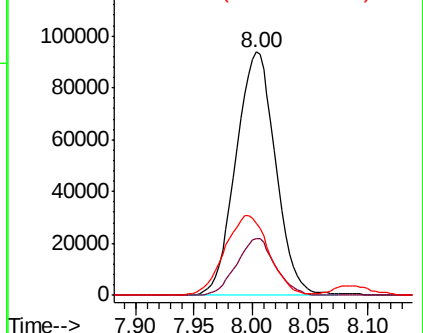
78 100

77 23.5 18.4 27.6

51 29.0 23.0 34.6



Abundance Ion 78.10 (77.80 to 78.80): VN0
Ion 77.00 (76.70 to 77.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#35

Methacrylonitrile

Concen: 20.122 ug/l

RT: 7.12 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Tgt Ion: 41 Resp: 41168

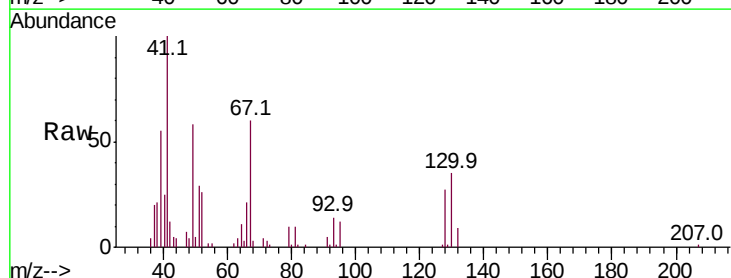
Ion Ratio Lower Upper

41 100

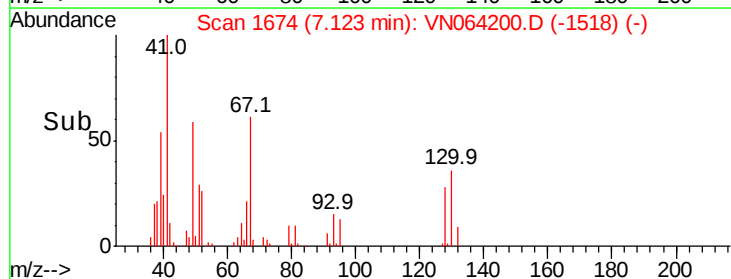
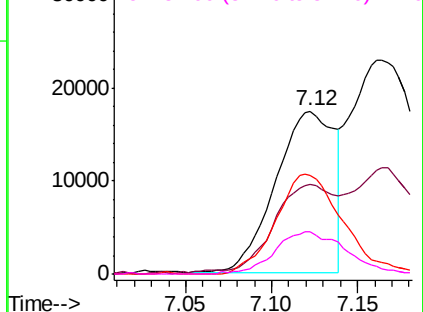
39 54.6 32.1 96.3

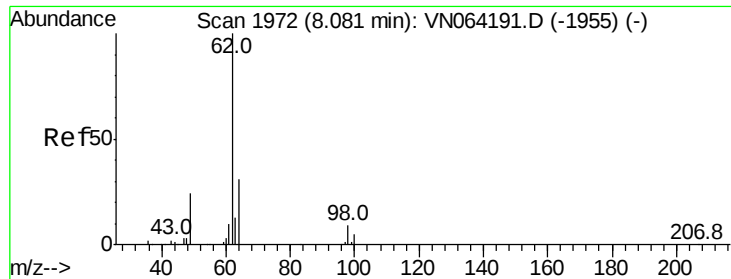
67 61.1 28.9 86.8

52 26.2 13.4 40.2



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





#36

1,2-Dichloroethane

Concen: 19.662 ug/l

RT: 8.09 min Scan# 1974

Delta R.T. 0.01 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

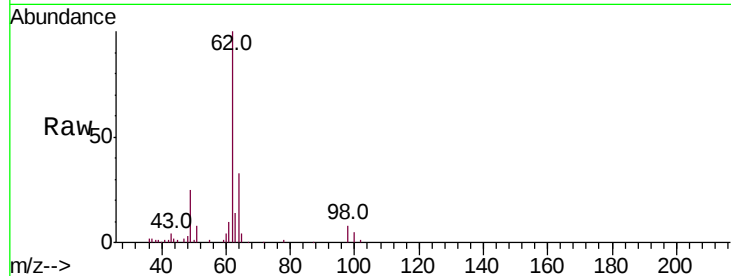
ClientSampleId :

Tot Ion: 62 Resp: 100164

Ion Ratio Lower Upper

62 100

98 7.1 6.3 9.5

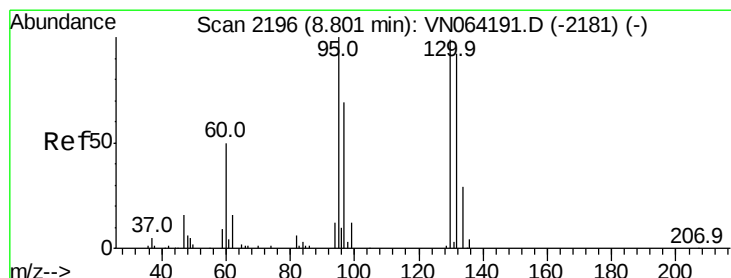
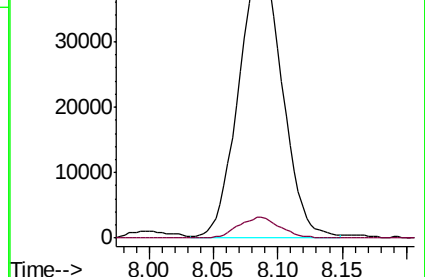
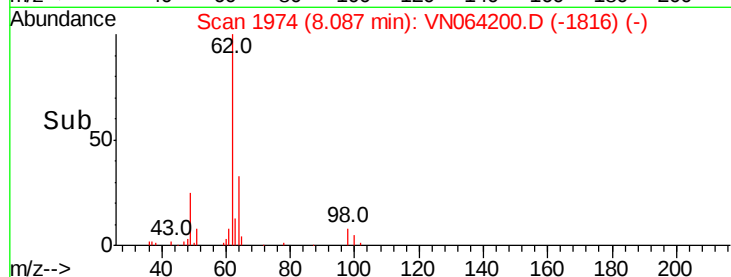


Abundance Ion 62.00 (61.70 to 62.70): VN064191.D (-1955) (-)

Ion 98.00 (97.70 to 98.70): VN064191.D (-1955) (-)

8.09

Time-->



#37

Trichloroethene

Concen: 17.757 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064200.D

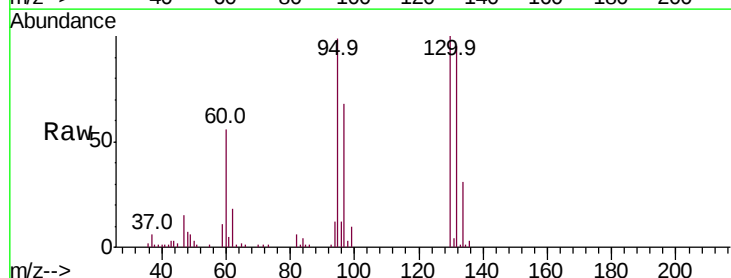
Acq: 20 Oct 2020 17:06

Tgt Ion:130 Resp: 61578

Ion Ratio Lower Upper

130 100

95 98.5 81.0 121.4

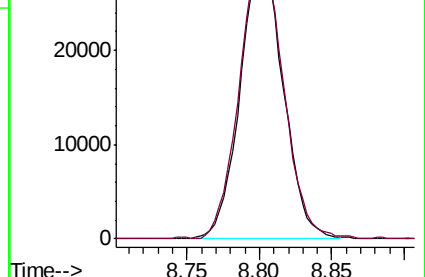
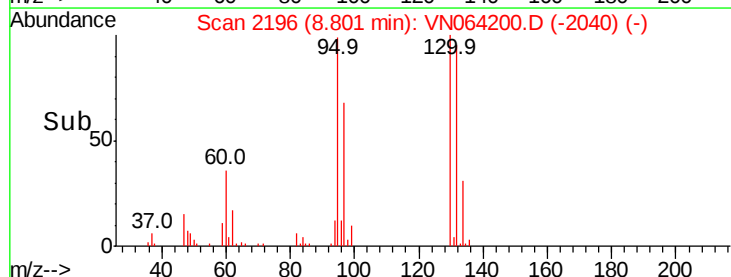


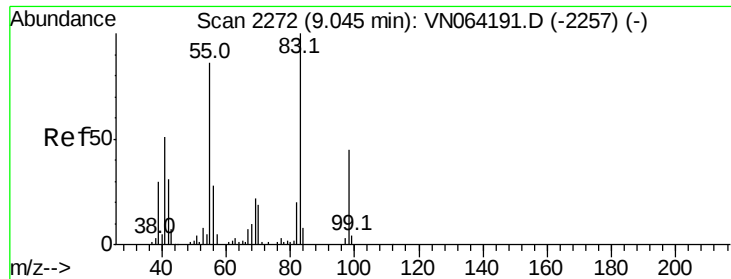
Abundance Ion 129.90 (129.60 to 130.60): VN064191.D (-2181) (-)

Ion 94.90 (94.60 to 95.60): VN064191.D (-2181) (-)

8.80

Time-->

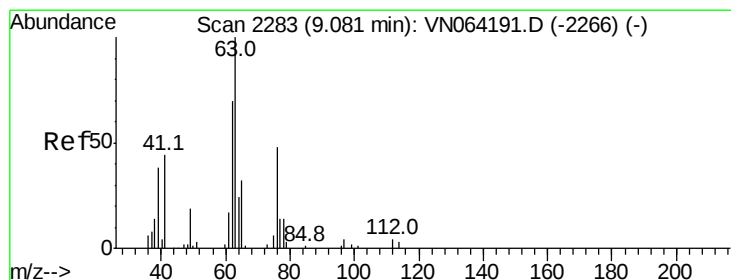
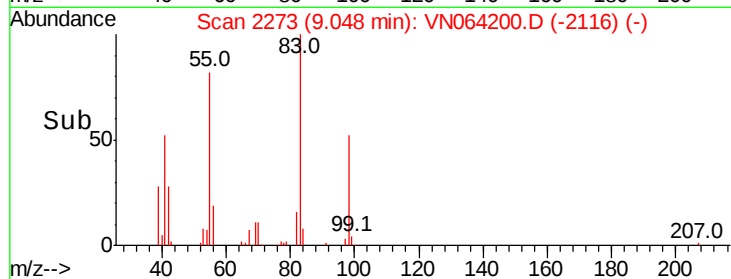
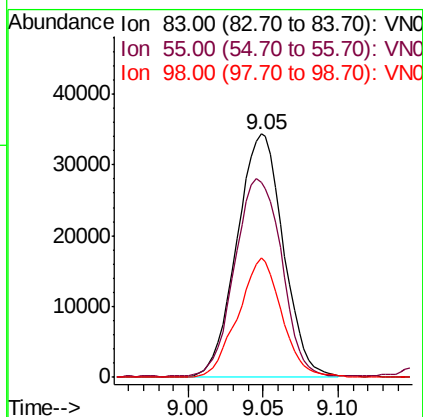
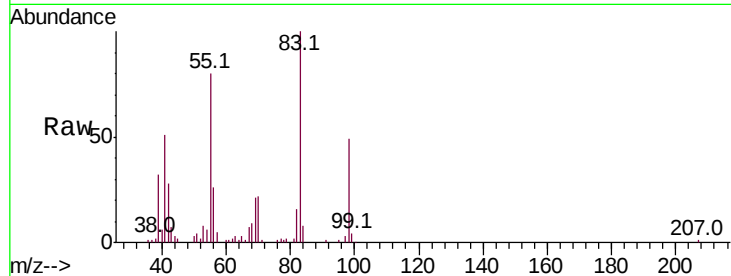




#38
Methvlcvclohexane
Concen: 17.184 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

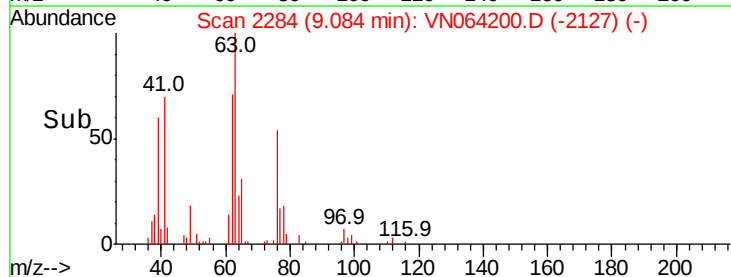
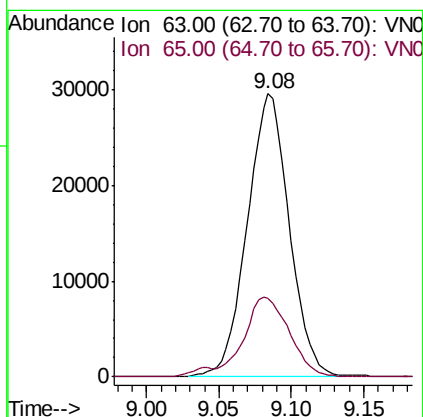
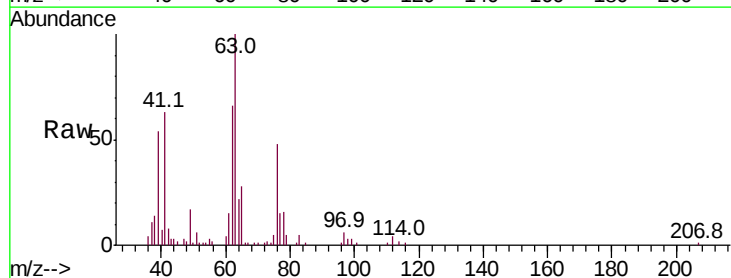
Instrument :
MSVOA_N
ClientSampled :

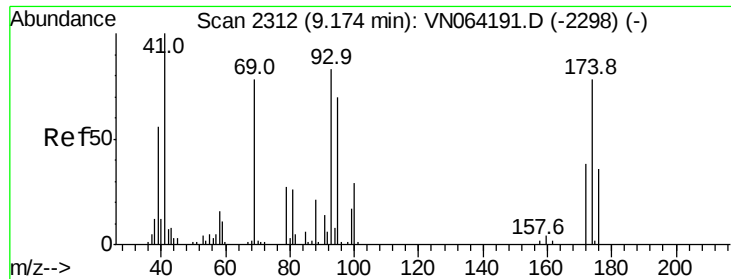
Tot Ion: 83 Resp: 74336
Ion Ratio Lower Upper
83 100
55 83.0 40.3 120.9
98 46.0 22.4 67.0



#39
1,2-Dichloropropane
Concen: 17.747 ug/l
RT: 9.08 min Scan# 2284
Delta R.T. 0.00 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

Tgt Ion: 63 Resp: 59653
Ion Ratio Lower Upper
63 100
65 27.7 26.5 39.7

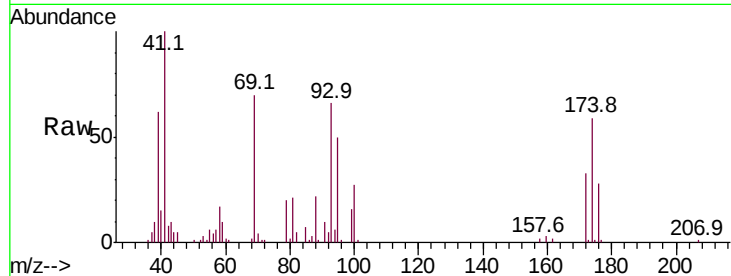




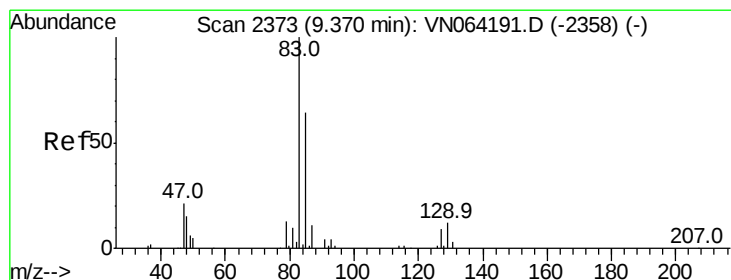
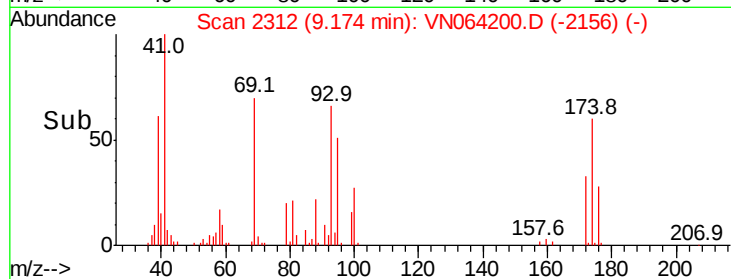
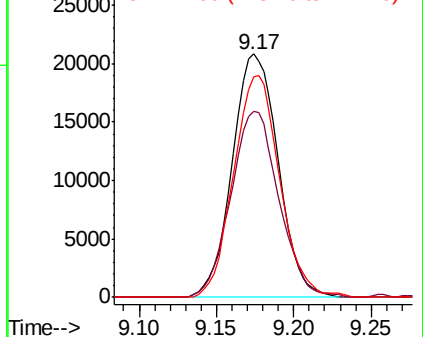
#40
Dibromomethane
Concen: 18.369 ug/l
RT: 9.17 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 93 Resp: 42959
Ion Ratio Lower Upper
93 100
95 80.0 0.0 169.2
174 90.9 0.0 187.4

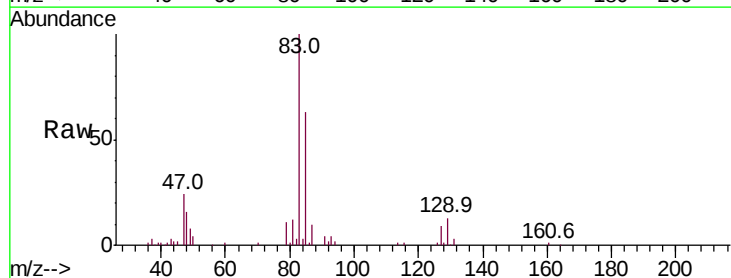


Abundance Ion 93.00 (92.70 to 93.70): VN0
Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V

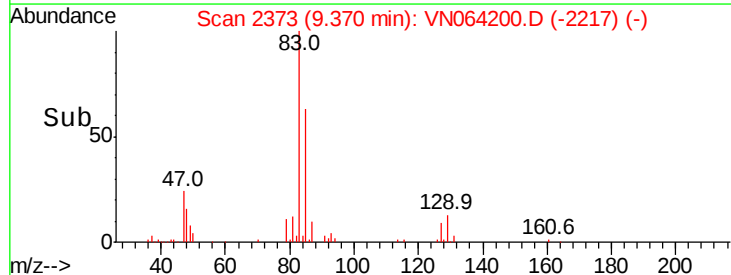
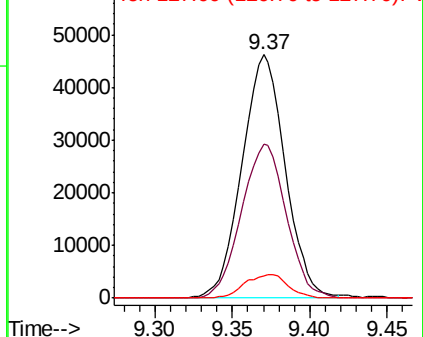


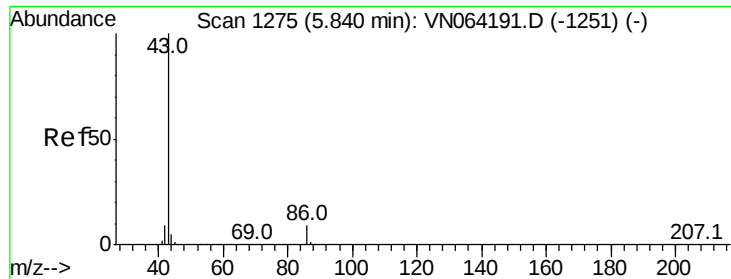
#41
Bromodichloromethane
Concen: 17.774 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

Tgt Ion: 83 Resp: 89960
Ion Ratio Lower Upper
83 100
85 63.2 51.5 77.3
127 9.2 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): V

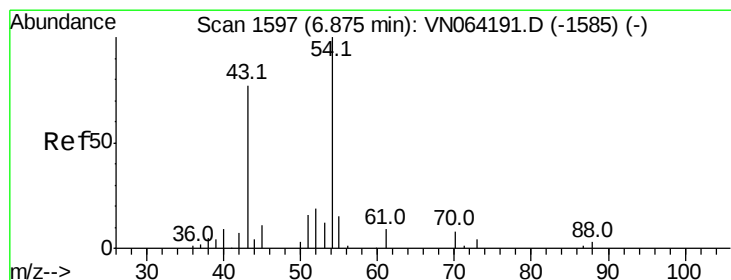
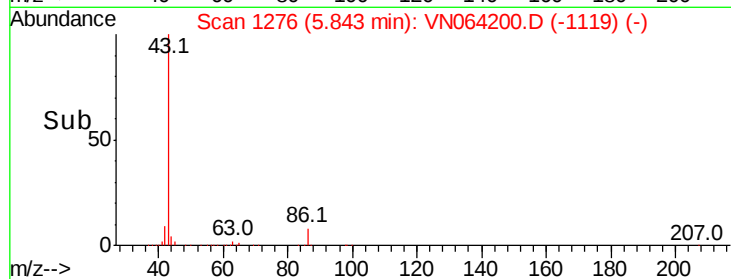
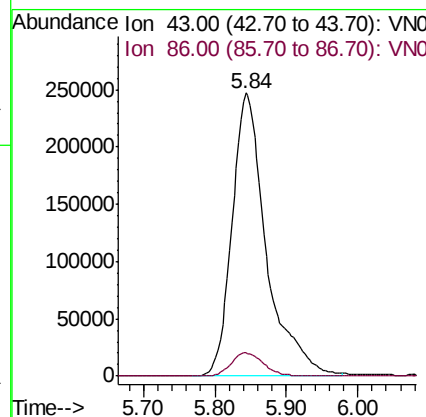
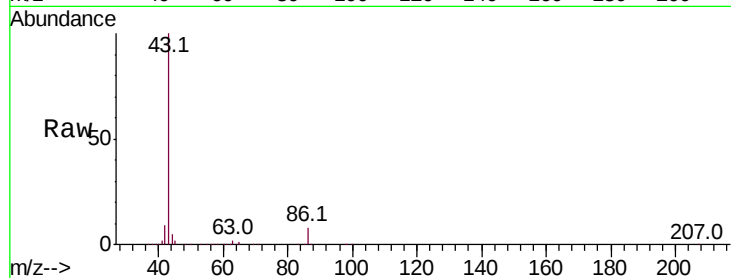




#42
Vinyl Acetate
Concen: 92.949 ug/l
RT: 5.84 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

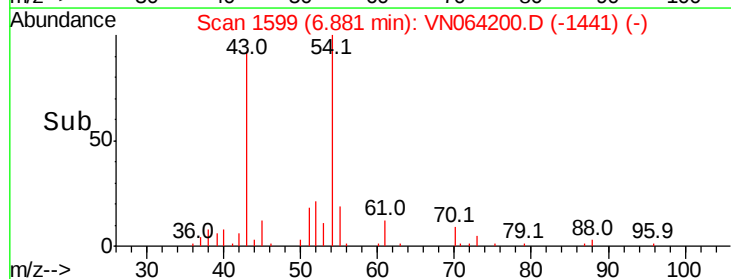
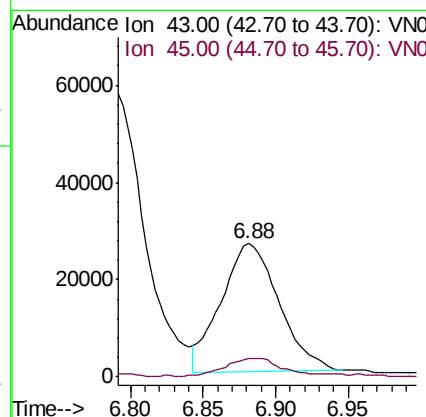
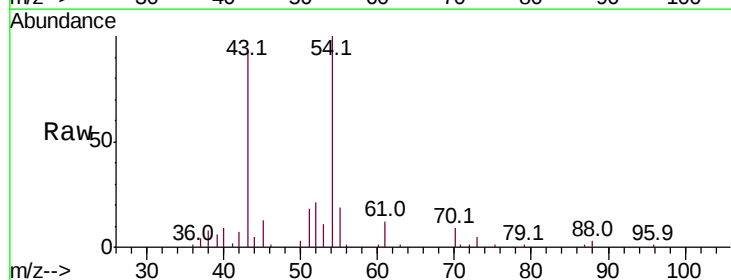
Instrument :
MSVOA_N
ClientSampled :

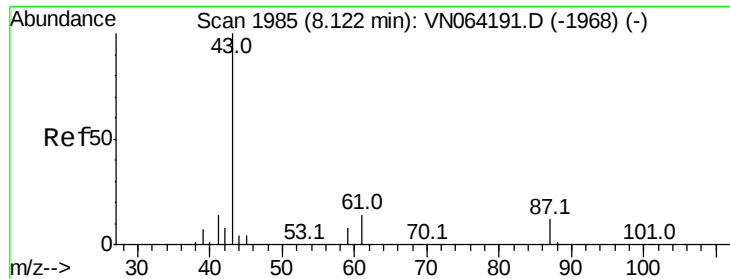
Tot Ion: 43 Resp: 823062
Ion Ratio Lower Upper
43 100
86 7.9 6.7 10.1



#43
Ethyl Acetate
Concen: 17.936 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.01 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

Tgt Ion: 43 Resp: 73064
Ion Ratio Lower Upper
43 100
45 13.4 9.8 14.8





#44

Isopropyl Acetate

Concen: 18.816 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

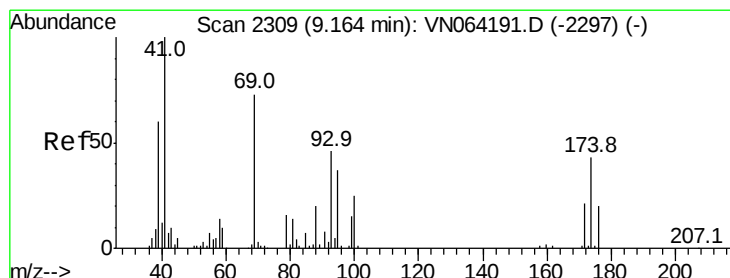
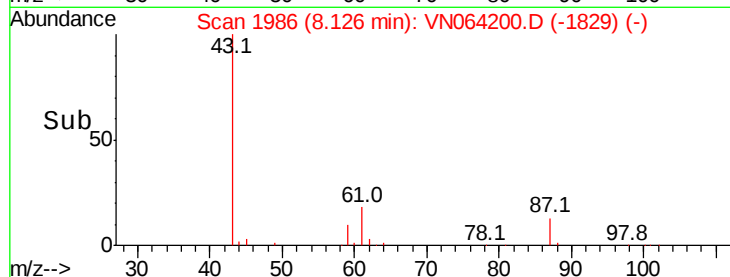
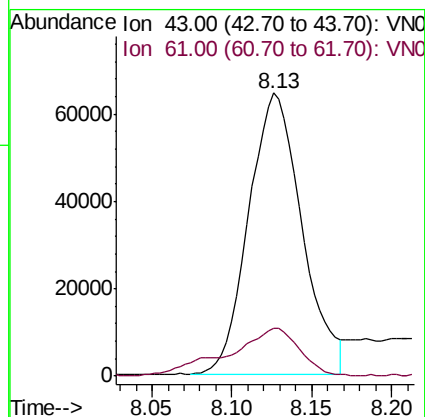
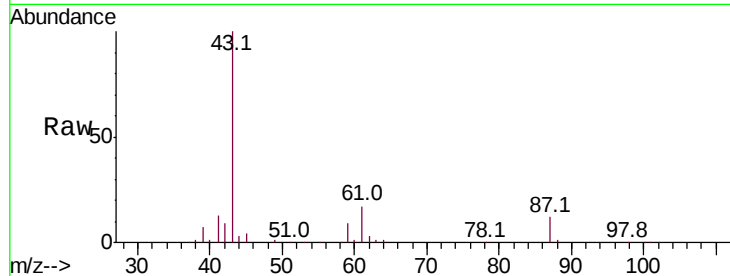
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 147157

Ion Ratio Lower Upper

43 100

61 16.4 18.7 28.1#



#45

1,4-Dioxane

Concen: 409.199 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

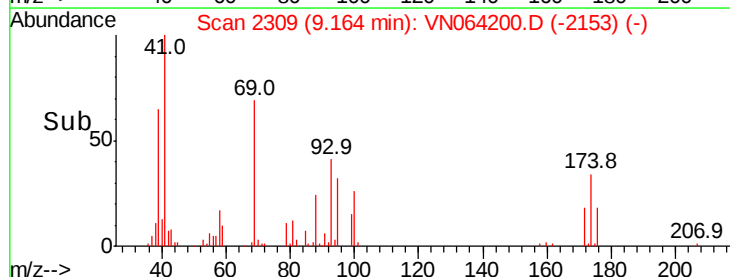
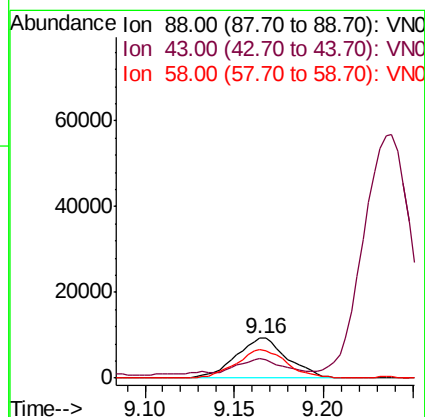
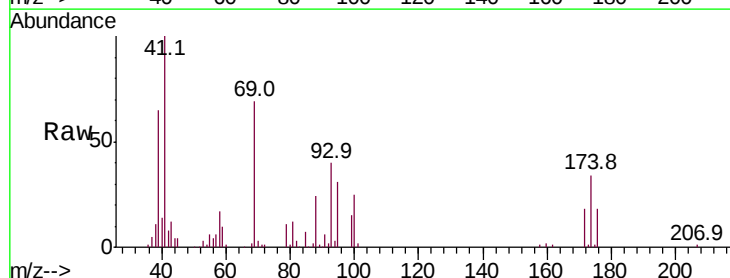
Tgt Ion: 88 Resp: 18717

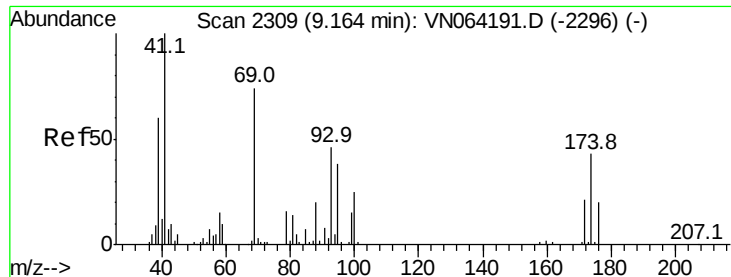
Ion Ratio Lower Upper

88 100

43 38.0 37.0 55.4

58 69.6 62.4 93.6

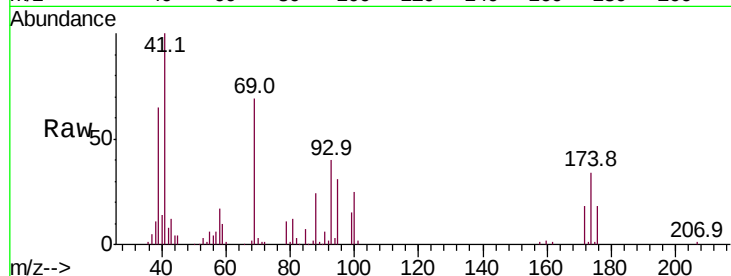




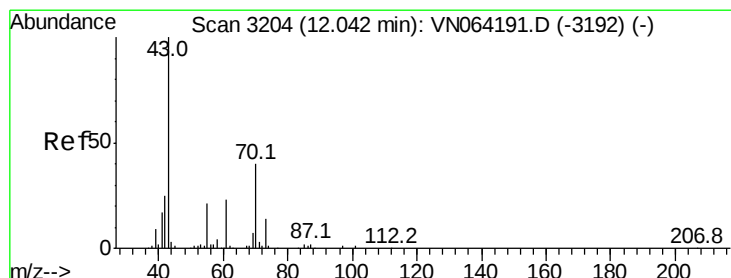
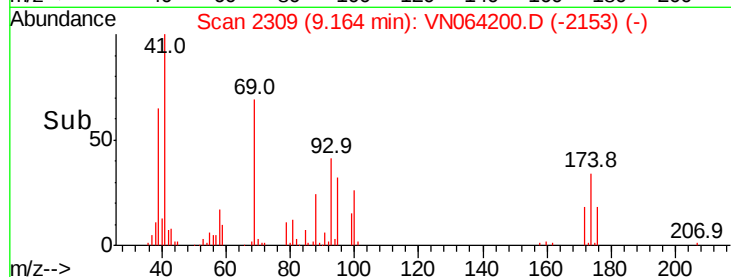
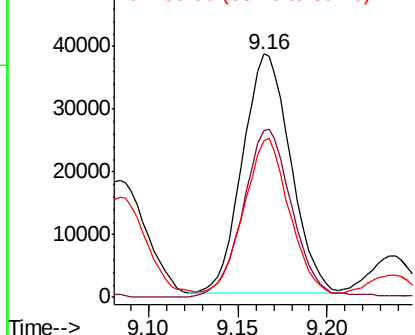
#46
Methyl methacrylate
Concen: 19.443 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 72151
Ion Ratio Lower Upper
41 100
69 69.3 36.8 110.4
39 64.1 30.4 91.2

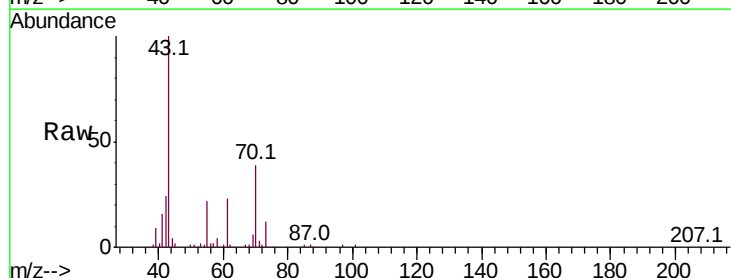


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

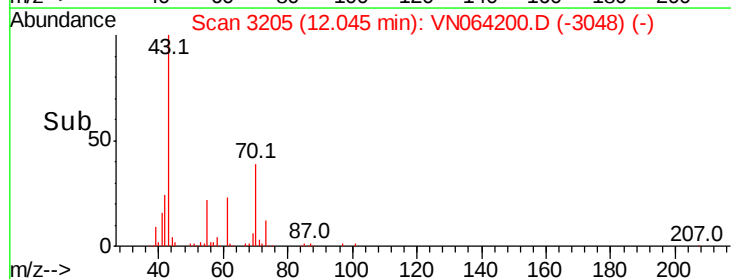
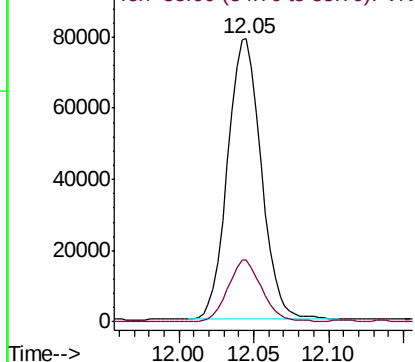


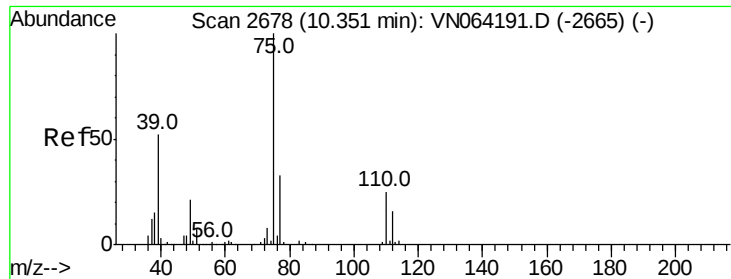
#47
n-ethyl Acetate
Concen: 17.816 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

Tgt Ion: 43 Resp: 123605
Ion Ratio Lower Upper
43 100
55 22.1 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 55.00 (54.70 to 55.70): VN0





#48

t-1,3-Dichloropropene

Concen: 18.497 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

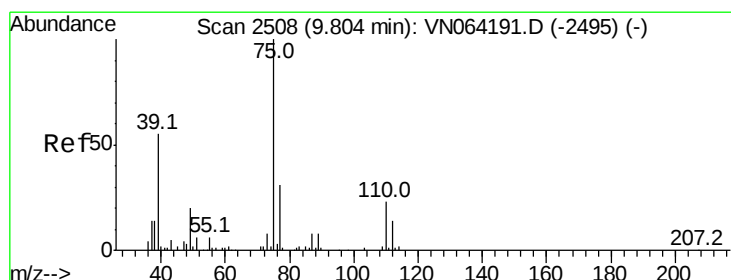
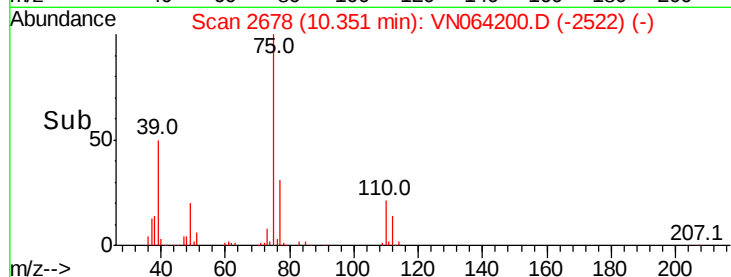
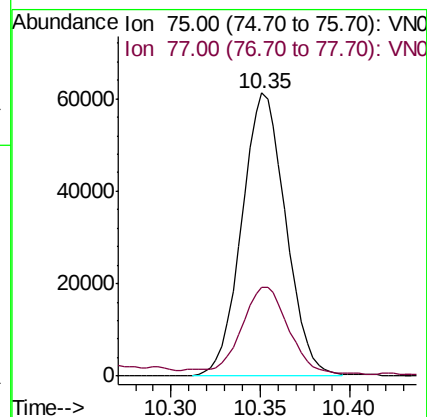
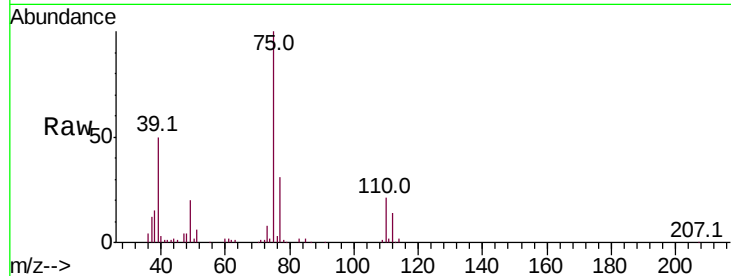
ClientSampleId :

Tot Ion: 75 Resp: 105587

Ion Ratio Lower Upper

75 100

77 30.4 27.4 41.2



#49

cis-1,3-Dichloropropene

Concen: 17.926 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

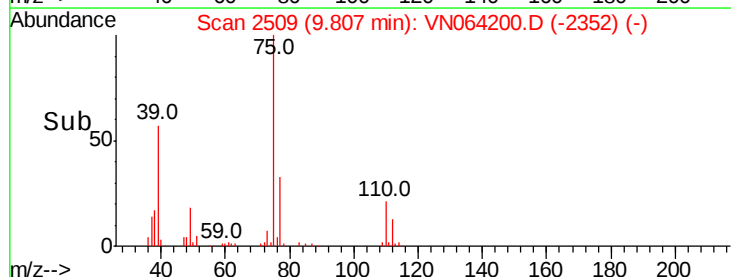
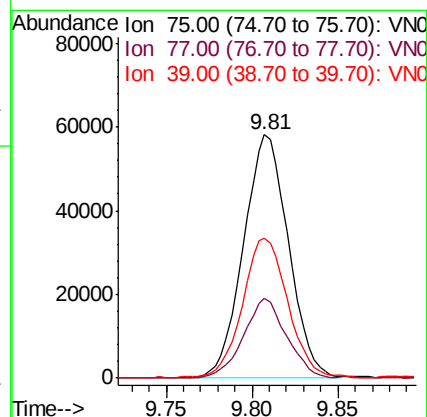
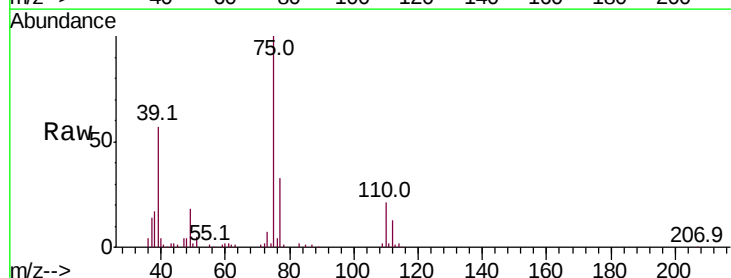
Tgt Ion: 75 Resp: 105724

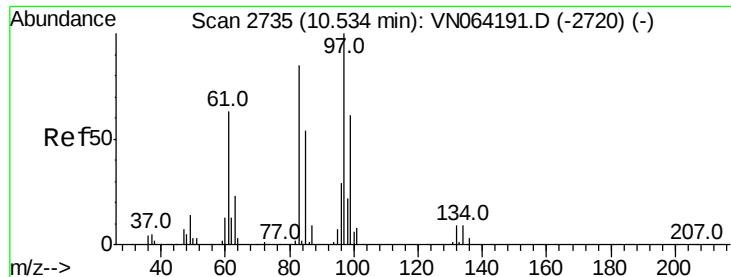
Ion Ratio Lower Upper

75 100

77 32.8 24.5 36.7

39 56.9 43.8 65.8

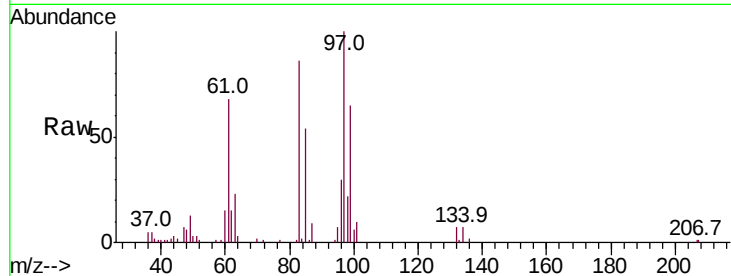




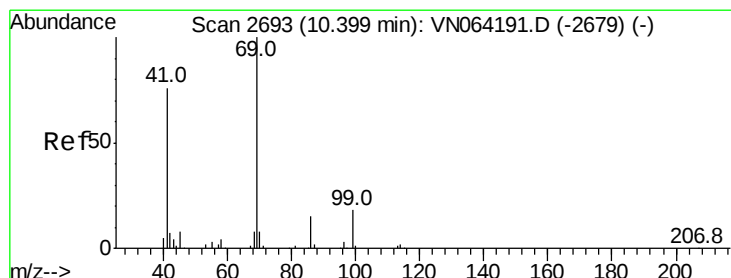
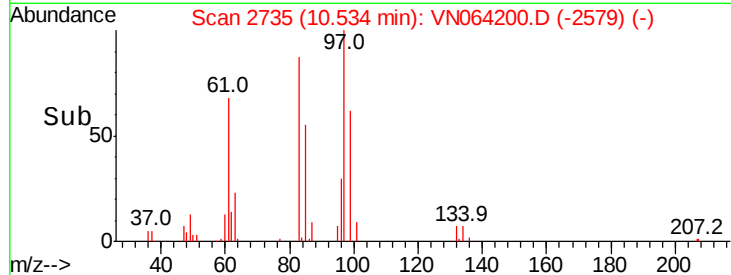
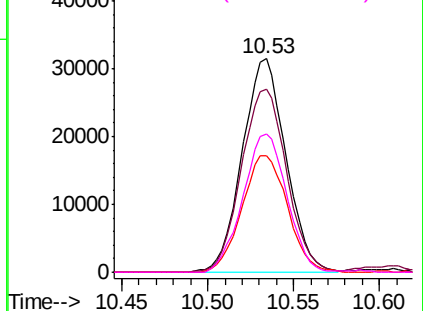
#50
 1,1,2-Trichloroethane
 Concen: 17.715 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064200.D
 Acq: 20 Oct 2020 17:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	55503
Ion	Ratio	Lower	Upper
97	100		
83	86.0	67.7	101.5
85	54.3	43.2	64.8
99	65.0	49.2	73.8

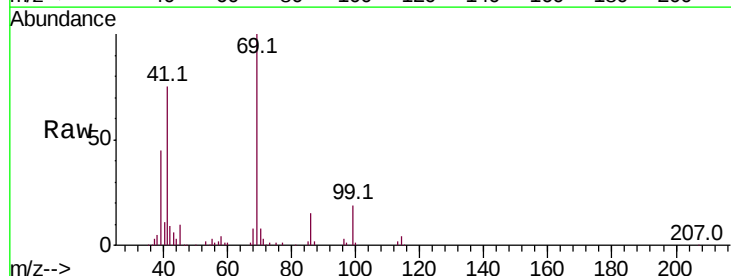


Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 82.95 (82.65 to 83.65): VN0
 Ion 84.95 (84.65 to 85.65): VN0
 Ion 98.95 (98.65 to 99.65): VN0

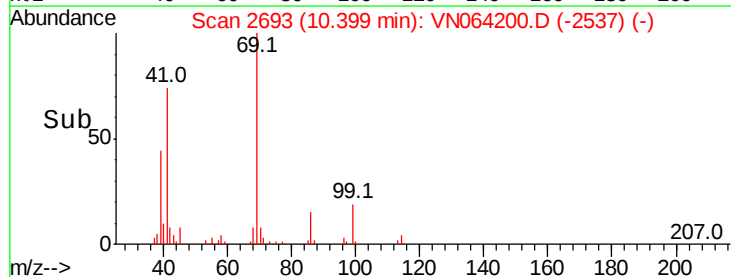
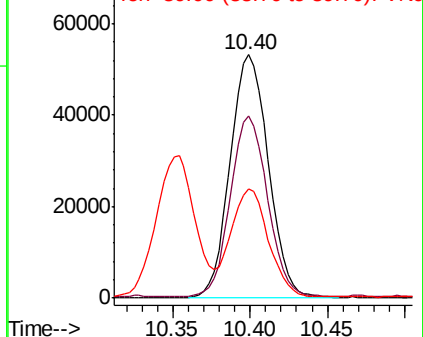


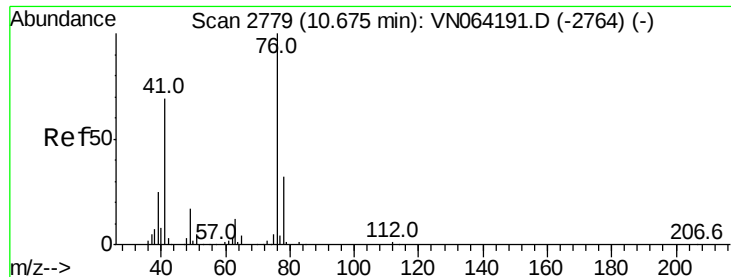
#51
 Ethyl methacrylate
 Concen: 18.485 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064200.D
 Acq: 20 Oct 2020 17:06

Tgt Ion:	69	Resp:	91581
Ion	Ratio	Lower	Upper
69	100		
41	74.2	38.0	114.1
39	44.0	21.4	64.3



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





#52

1,3-Dichloropropane

Concen: 18.291 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

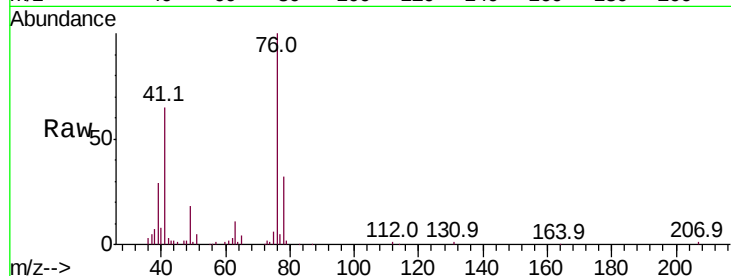
ClientSampled :

Tot Ion: 76 Resp: 98804

Ion Ratio Lower Upper

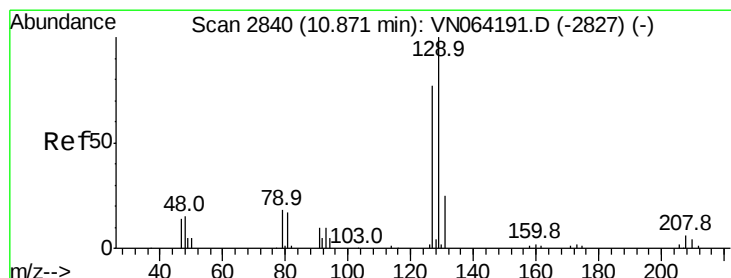
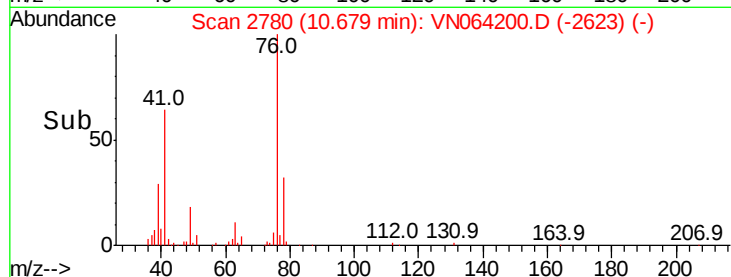
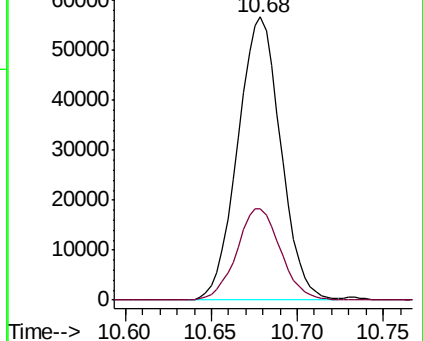
76 100

78 32.9 0.0 64.4



Abundance Ion 76.00 (75.70 to 76.70): VN064191.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN064191.D (-2764) (-)



#53

Dibromochloromethane

Concen: 17.995 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064200.D

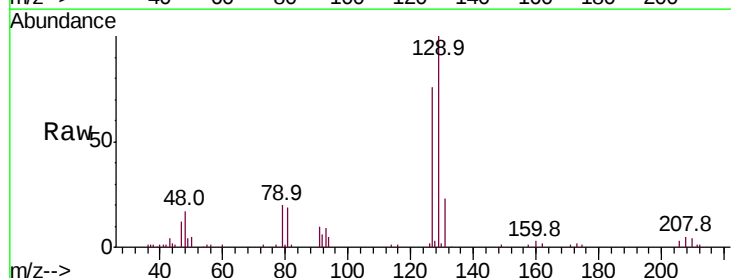
Acq: 20 Oct 2020 17:06

Tgt Ion: 129 Resp: 70962

Ion Ratio Lower Upper

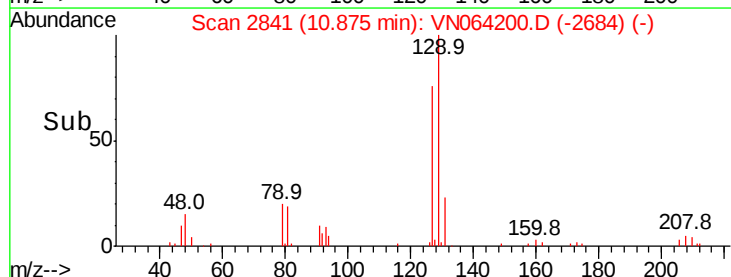
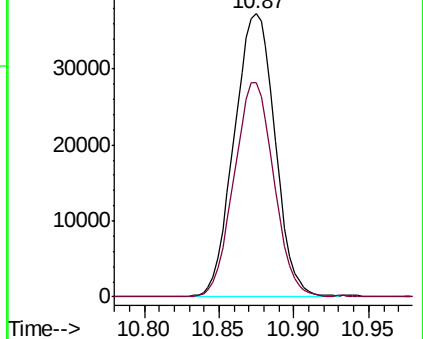
129 100

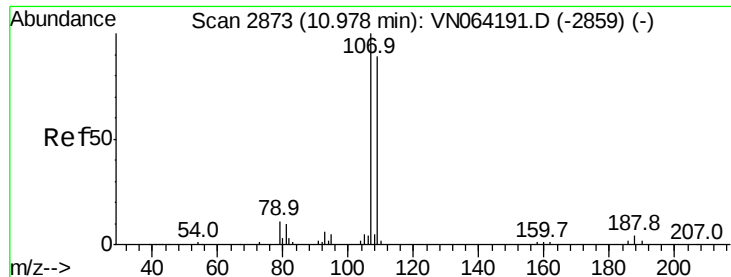
127 73.6 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): VN064191.D (-2827) (-)

Ion 127.00 (126.70 to 127.70): VN064191.D (-2827) (-)





#54

1,2-Dibromoethane

Concen: 18.245 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

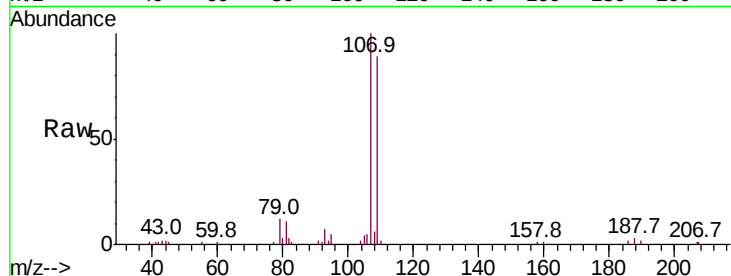
ClientSampleId :

Tot Ion:107 Resp: 60762

Ion Ratio Lower Upper

107 100

109 92.8 71.8 107.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.98

40000

30000

20000

10000

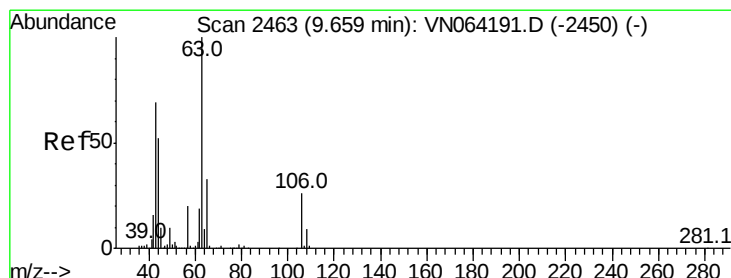
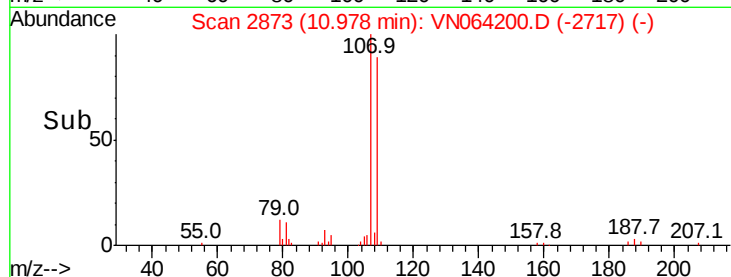
0

Time-->

10.90

10.95

11.00



#55

2-Chloroethyl vinyl ether

Concen: 96.844 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

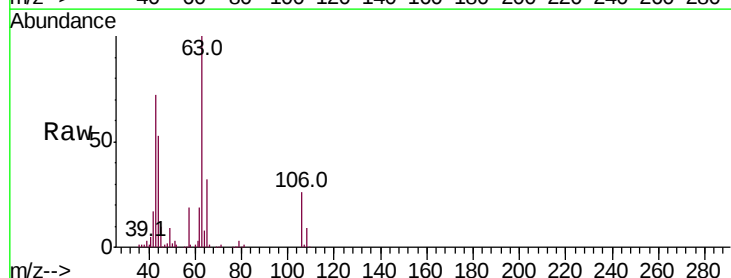
Tgt Ion: 63 Resp: 235815

Ion Ratio Lower Upper

63 100

65 31.6 25.9 38.9

106 25.9 21.4 32.2



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

Ion 106.00 (105.70 to 106.70): V

150000

100000

50000

0

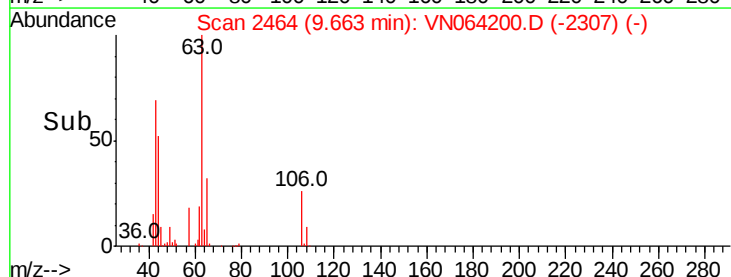
Time-->

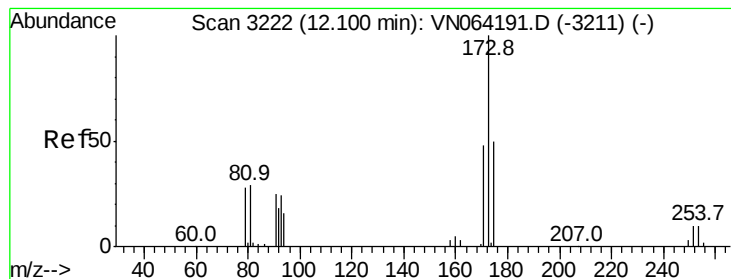
9.60

9.65

9.70

9.75





#56

Bromoform

Concen: 17.559 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

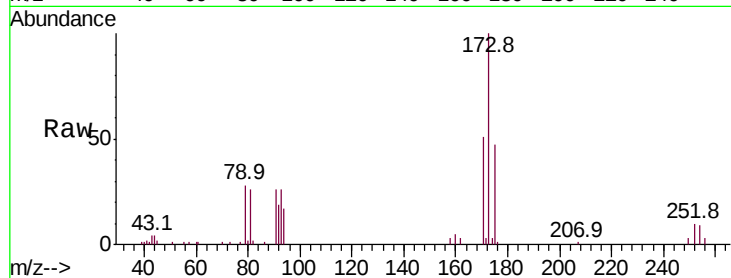
Tot Ion:173 Resp: 48223

Ion Ratio Lower Upper

173 100

175 46.2 39.0 58.4

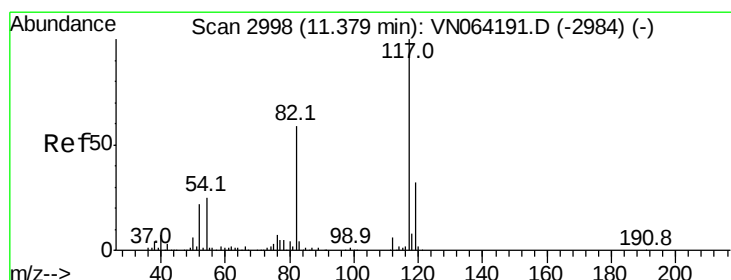
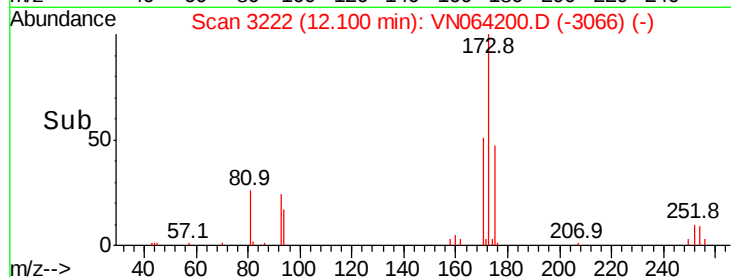
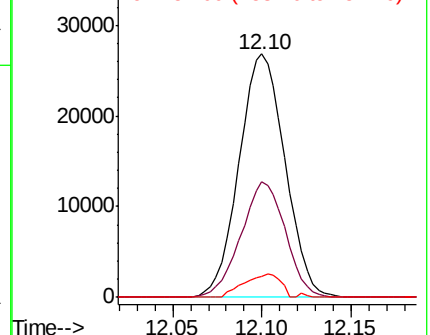
254 7.7 6.8 10.2



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

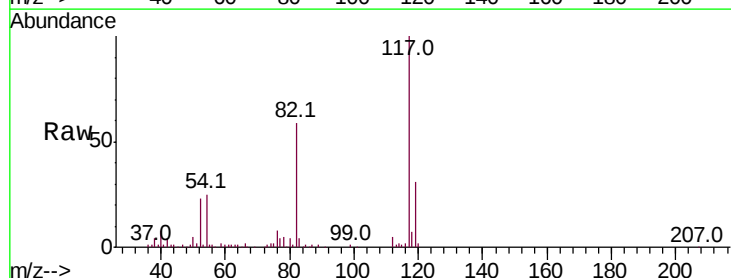
Tgt Ion:117 Resp: 244530

Ion Ratio Lower Upper

117 100

82 59.3 47.8 71.8

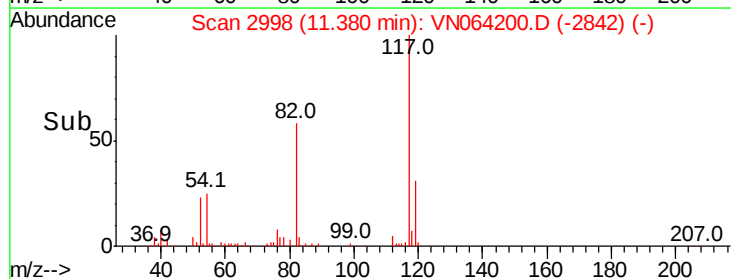
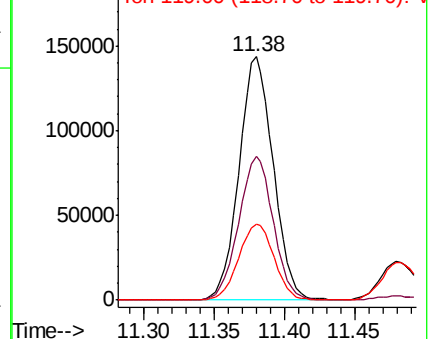
119 32.1 25.7 38.5

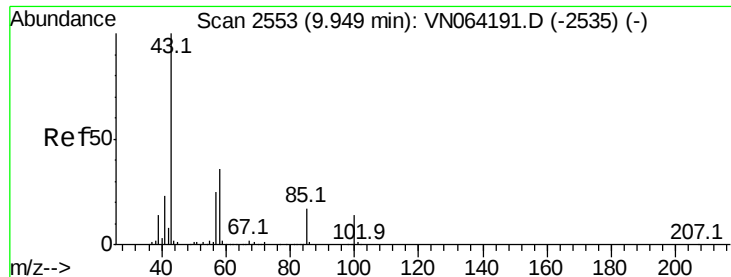


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

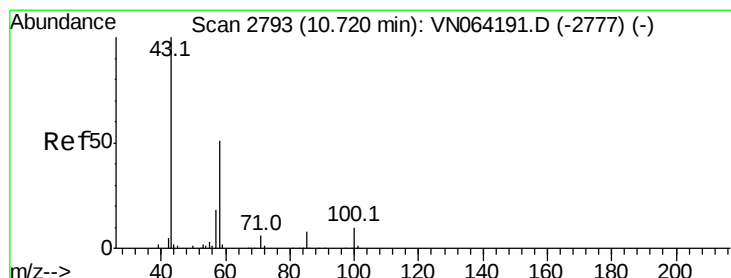
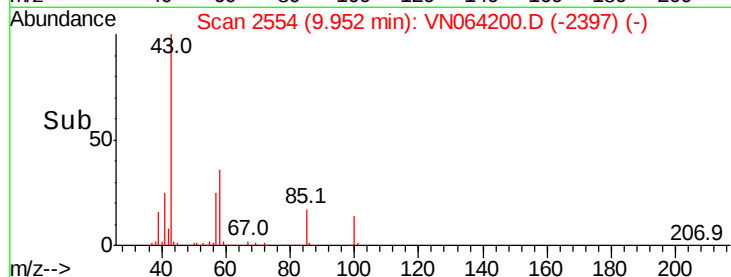
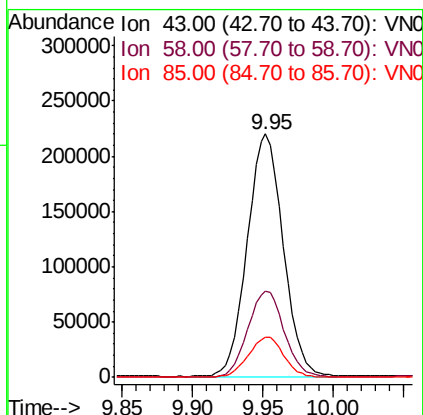
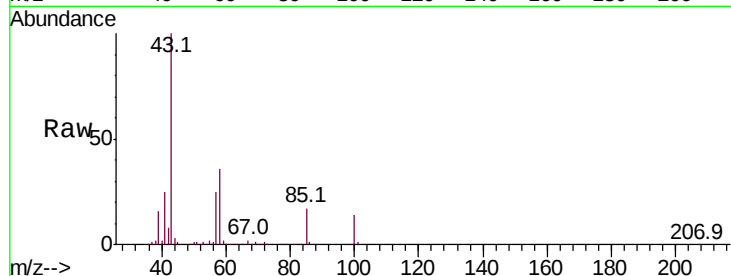




#58
 4-Methyl-2-Pentanone
 Concen: 94.427 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN064200.D
 Acq: 20 Oct 2020 17:06

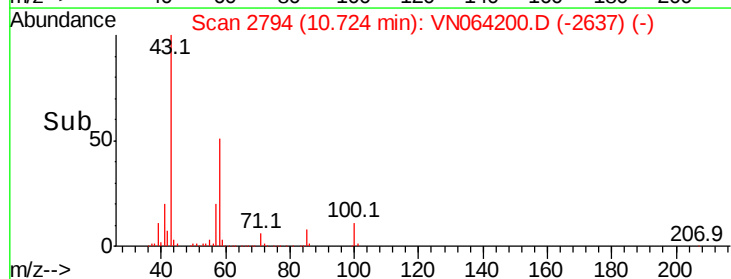
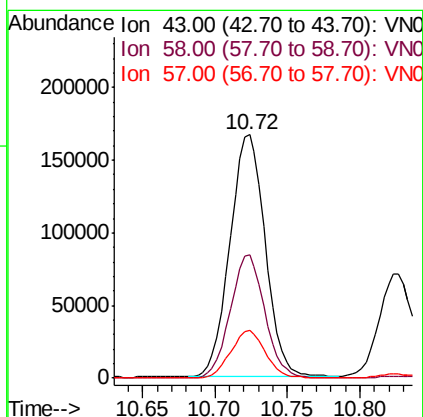
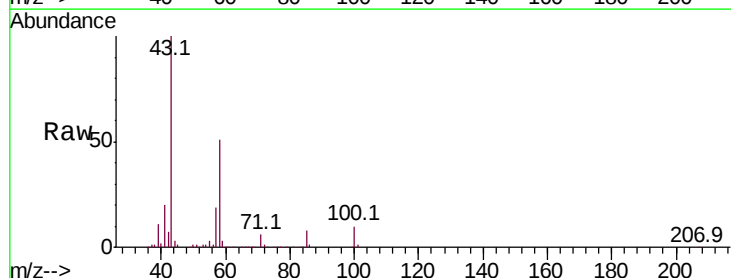
Instrument :
 MSVOA_N
 ClientSampled :

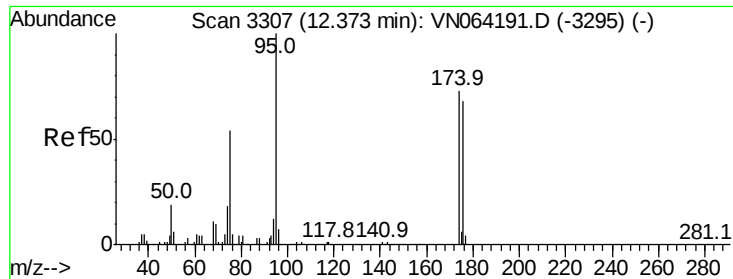
Tot Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.5	44.3
85	16.5	13.7	20.5



#59
 2-Hexanone
 Concen: 91.767 ug/l
 RT: 10.72 min Scan# 2794
 Delta R.T. 0.00 min
 Lab File: VN064200.D
 Acq: 20 Oct 2020 17:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.6	40.2	60.4
57	19.2	14.8	22.2





#60

4-Bromofluorobenzene

Concen: 29.502 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

ClientSampled :

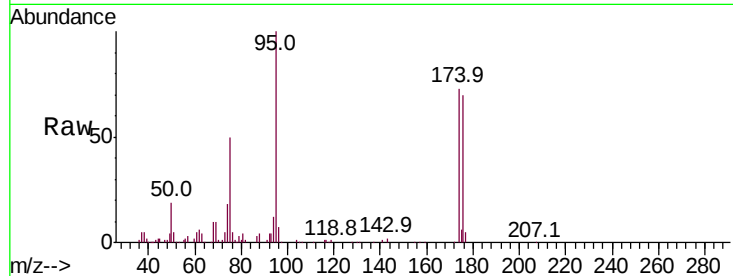
Tot Ion: 95 Resp: 129280

Ion Ratio Lower Upper

95 100

174 74.1 57.6 86.4

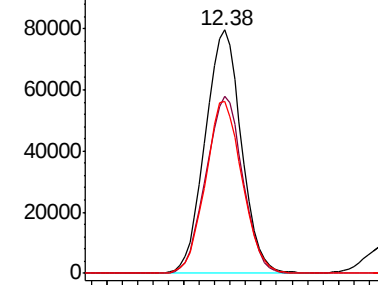
176 71.7 54.9 82.3



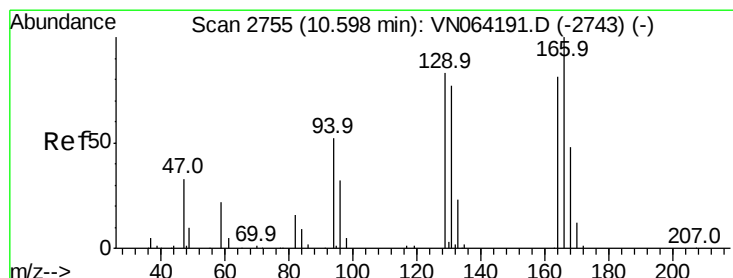
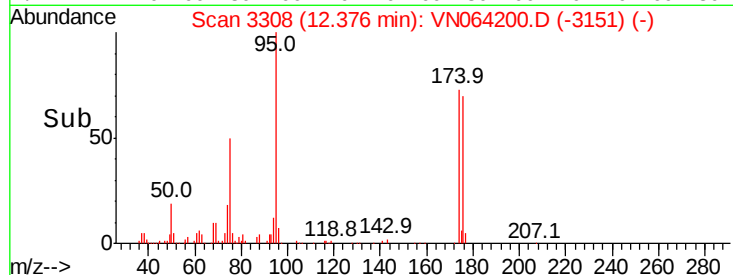
Abundance Ion 95.00 (94.70 to 95.70): VN064191.D (-3295) (-)

Ion 174.00 (173.70 to 174.70): VN064191.D (-3295) (-)

Ion 176.00 (175.70 to 176.70): VN064191.D (-3295) (-)



Time-->



#61

Tetrachloroethene

Concen: 17.772 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Tgt Ion: 164 Resp: 58586

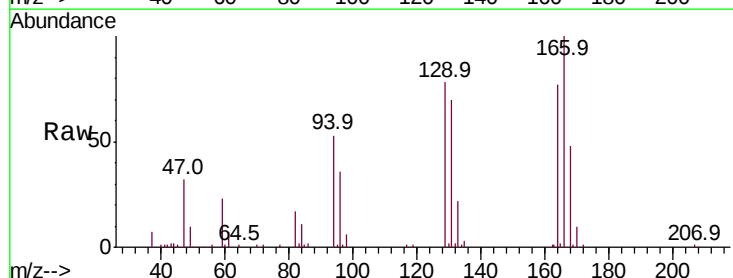
Ion Ratio Lower Upper

164 100

166 129.1 99.2 148.8

129 100.9 82.8 124.2

131 90.9 76.2 114.4

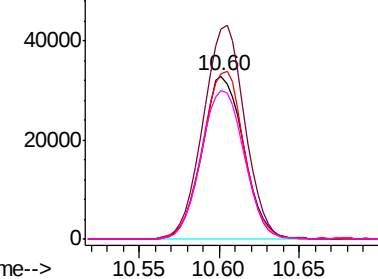


Abundance Ion 163.85 (163.55 to 164.55): VN064191.D (-2743) (-)

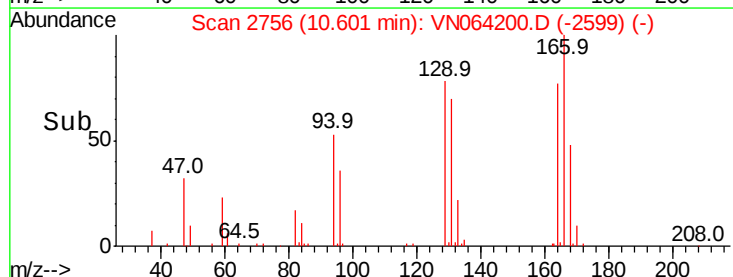
Ion 165.80 (165.50 to 166.50): VN064191.D (-2743) (-)

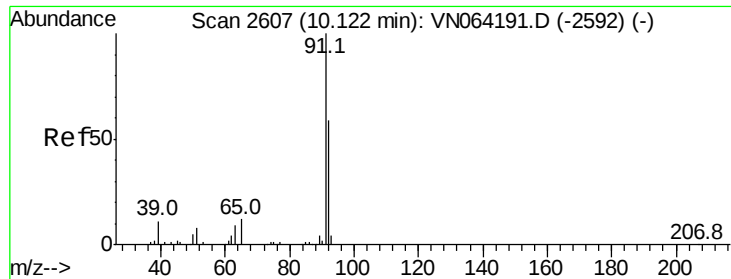
Ion 128.90 (128.60 to 129.60): VN064191.D (-2743) (-)

Ion 130.90 (130.60 to 131.60): VN064191.D (-2743) (-)



Time-->

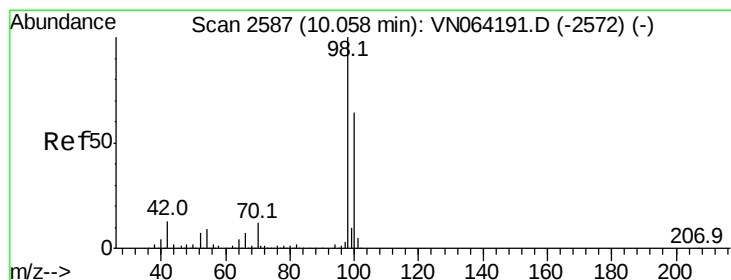
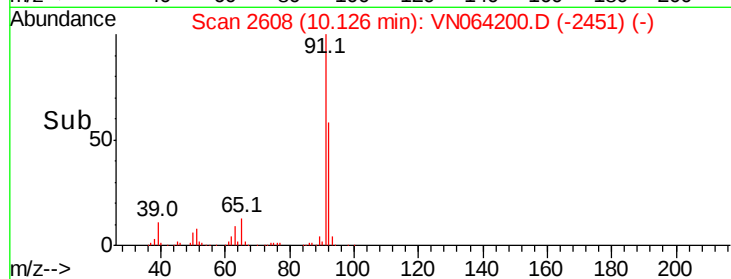
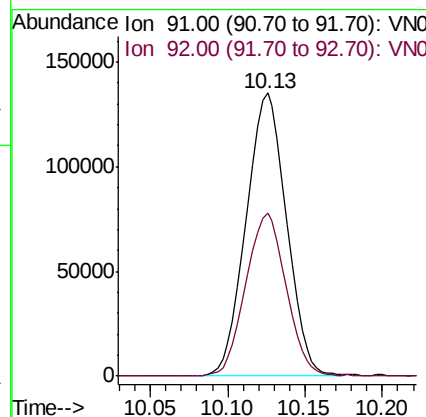
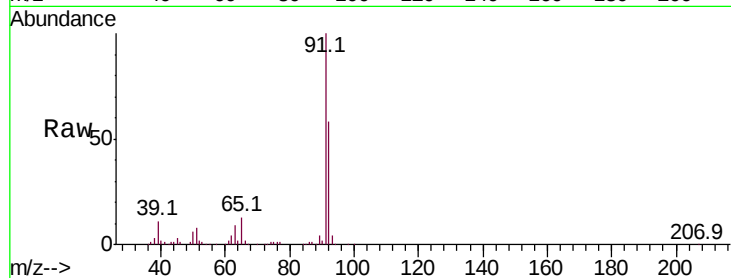




#62
Toluene
Concen: 17.603 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

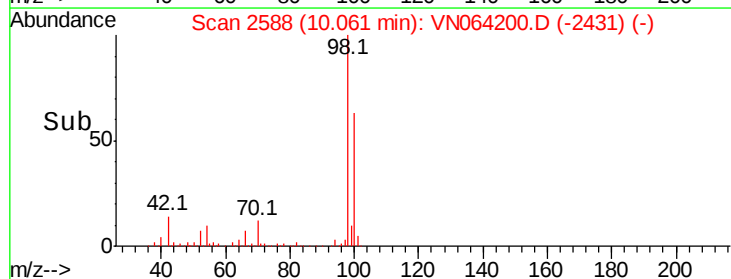
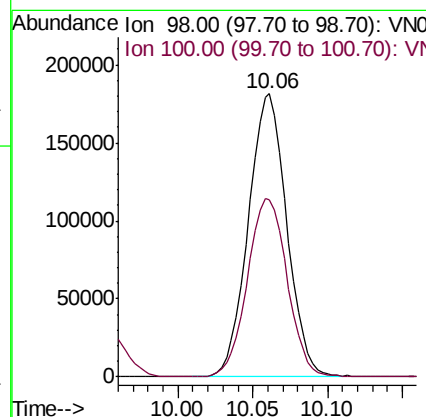
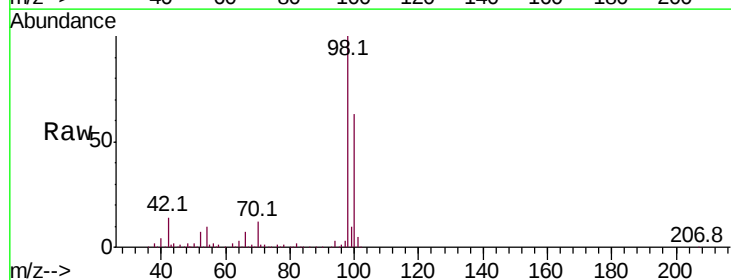
Instrument :
MSVOA_N
ClientSampled :

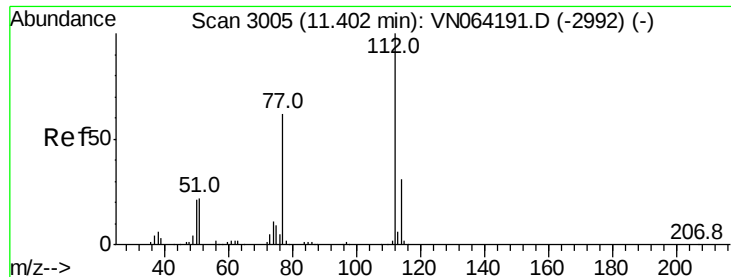
Tot Ion: 91 Resp: 246079
Ion Ratio Lower Upper
91 100
92 57.6 46.8 70.2



#63
Toluene-d8
Concen: 29.343 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

Tgt Ion: 98 Resp: 324843
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.2

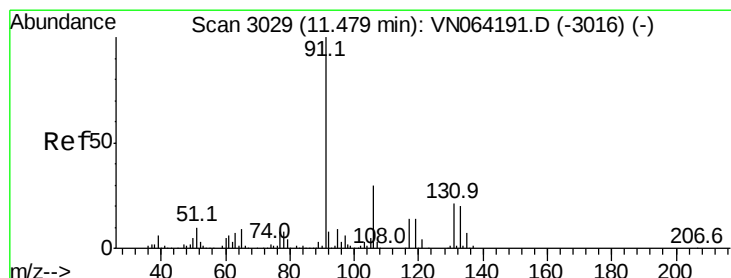
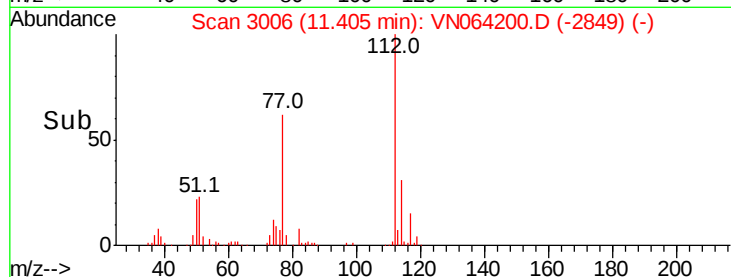
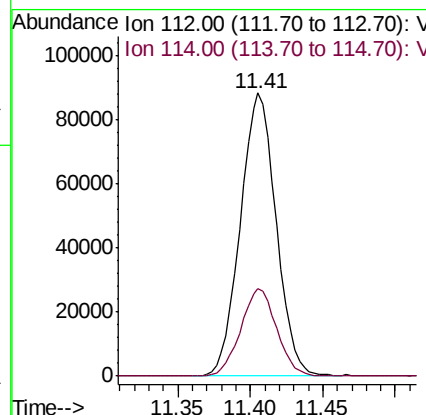
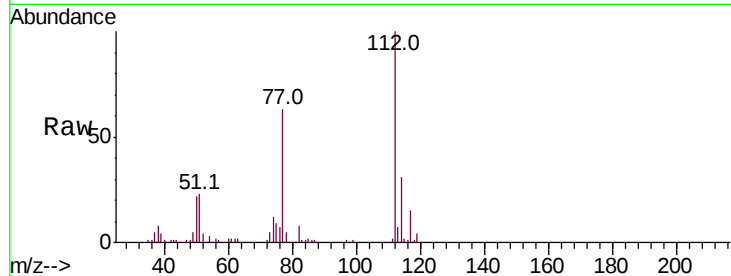




#64
Chlorobenzene
Concen: 17.426 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

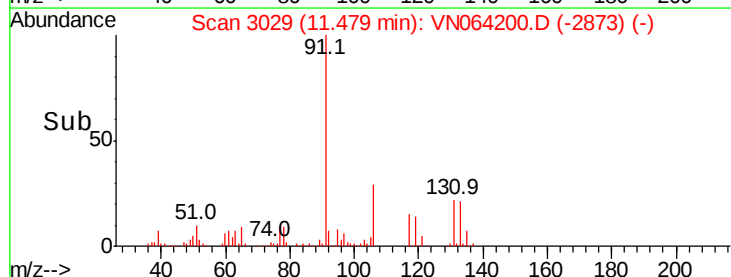
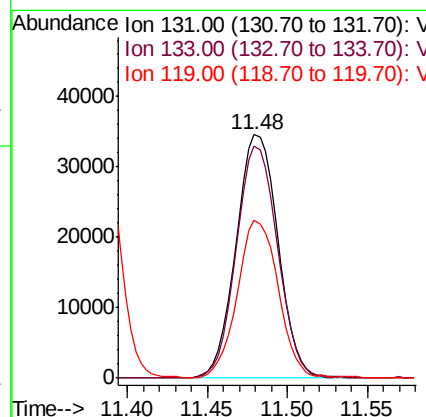
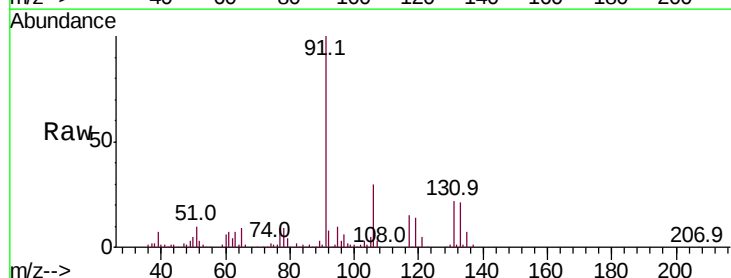
Instrument :
MSVOA_N
ClientSampleId :

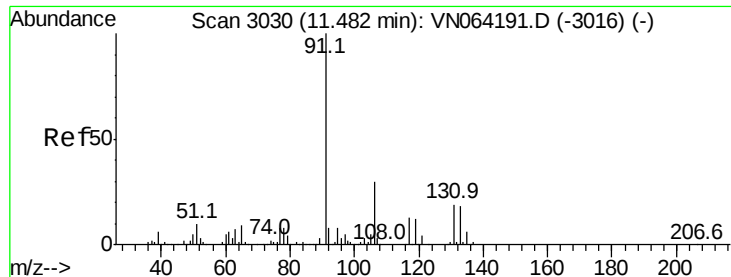
Tot Ion:112 Resp: 151709
Ion Ratio Lower Upper
112 100
114 30.9 25.1 37.7



#65
1,1,1,2-Tetrachloroethane
Concen: 18.122 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

Tgt Ion:131 Resp: 61813
Ion Ratio Lower Upper
131 100
133 93.8 0.0 193.0
119 63.2 0.0 132.2





#66

Ethyl Benzene

Concen: 17.583 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

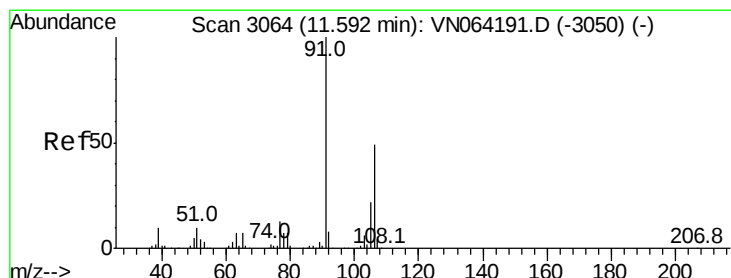
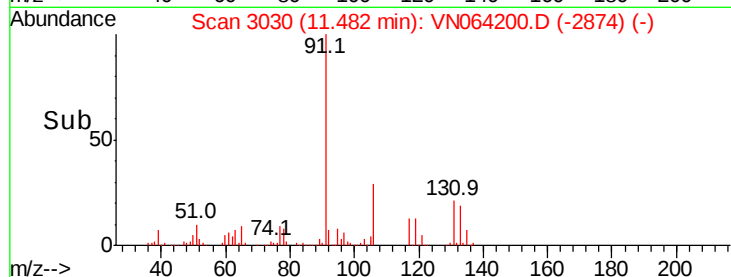
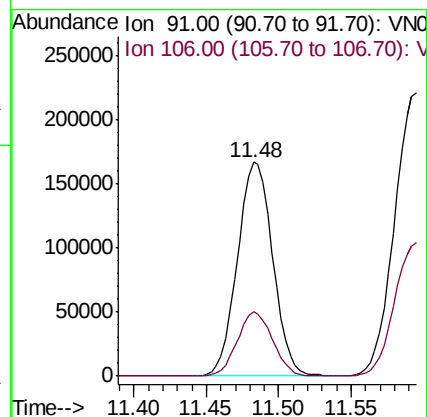
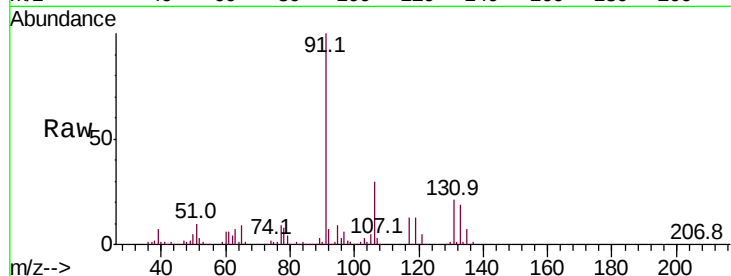
ClientSampled :

Tot Ion: 91 Resp: 282591

Ion Ratio Lower Upper

91 100

106 30.1 23.9 35.9



#67

m/p-Xylenes

Concen: 34.265 ug/l

RT: 11.60 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064200.D

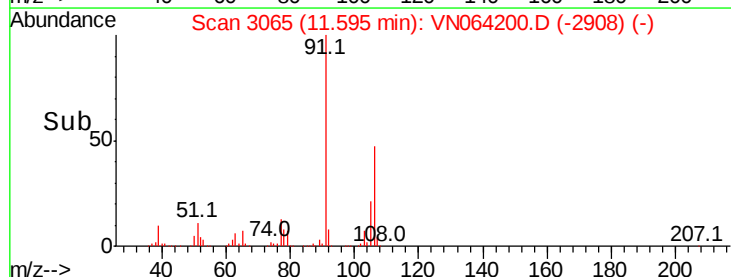
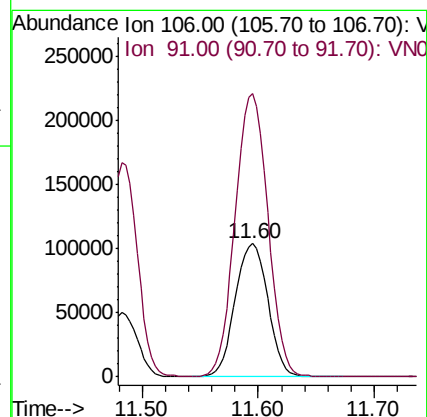
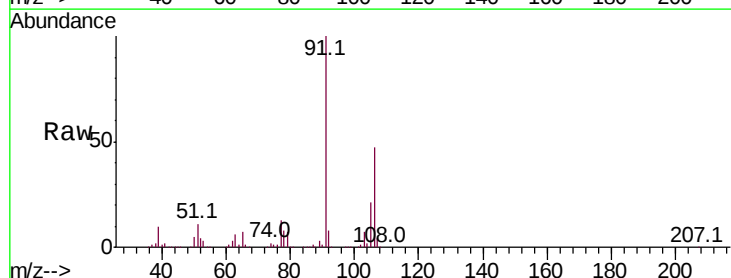
Acq: 20 Oct 2020 17:06

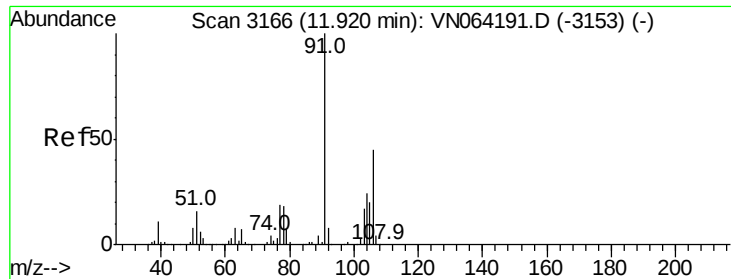
Tgt Ion: 106 Resp: 204817

Ion Ratio Lower Upper

106 100

91 211.9 167.9 251.9

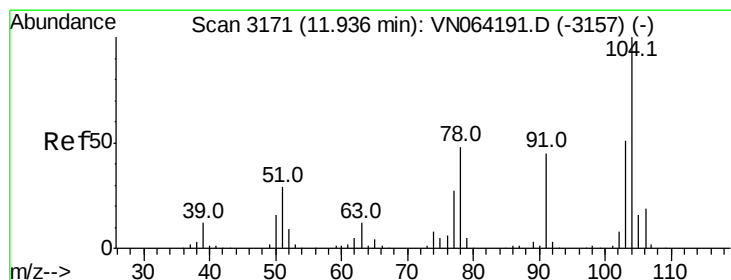
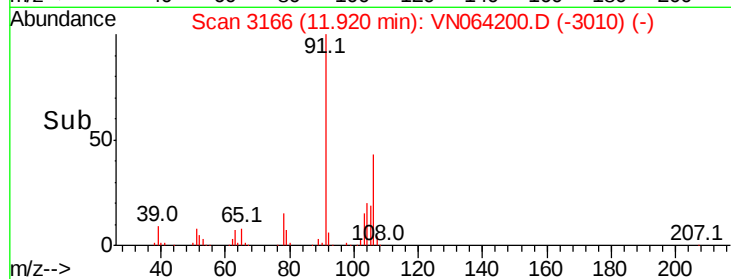
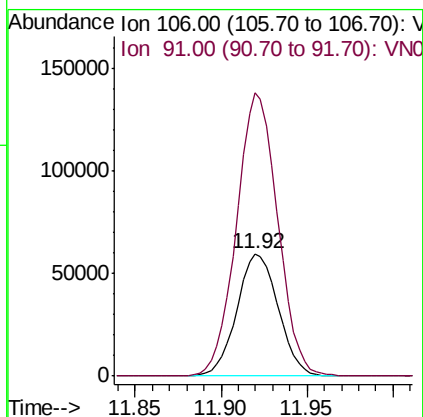
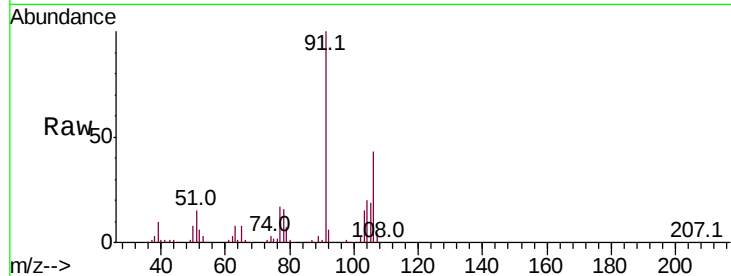




#68
o-Xylene
Concen: 17.179 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

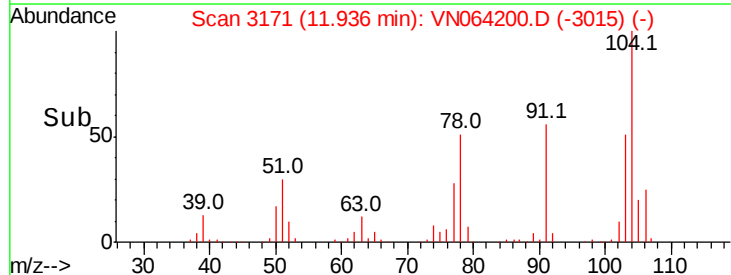
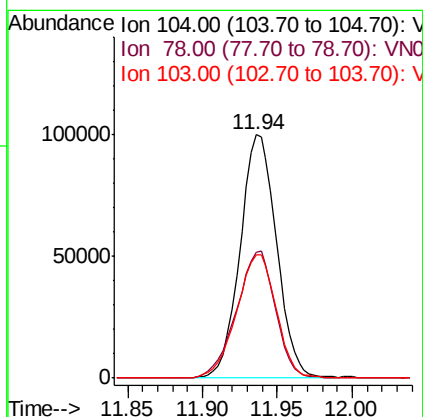
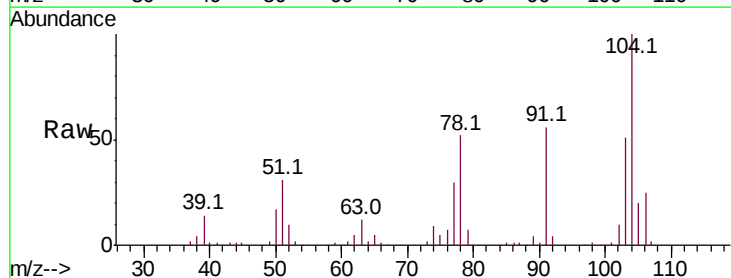
Instrument :
MSVOA_N
ClientSampled :

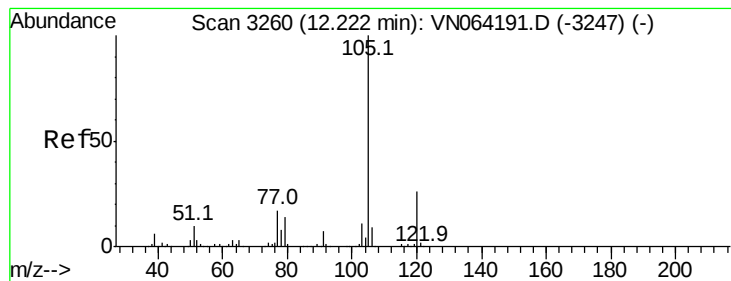
Tot Ion:106 Resp: 99647
Ion Ratio Lower Upper
106 100
91 230.1 113.9 341.7



#69
Styrene
Concen: 17.349 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

Tgt Ion:104 Resp: 170248
Ion Ratio Lower Upper
104 100
78 55.5 43.6 65.4
103 55.2 44.8 67.2





#70

Isopropylbenzene

Concen: 17.460 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

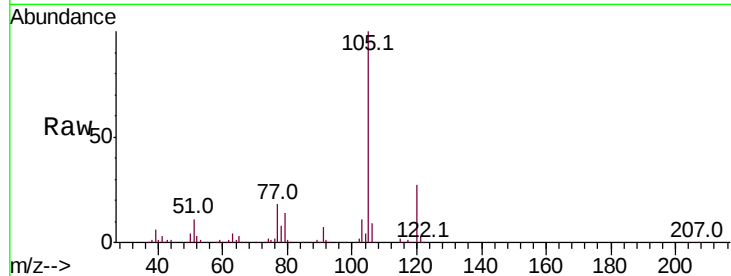
ClientSampleId :

Tot Ion:105 Resp: 267477

Ion Ratio Lower Upper

105 100

120 26.1 18.1 33.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

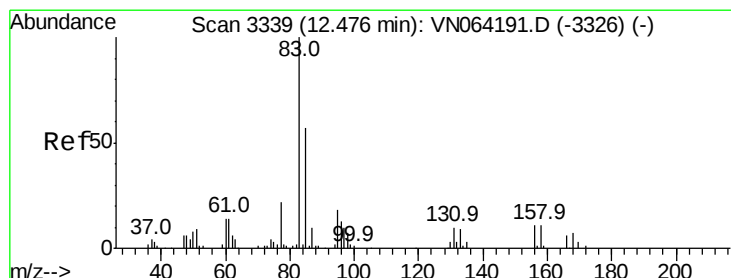
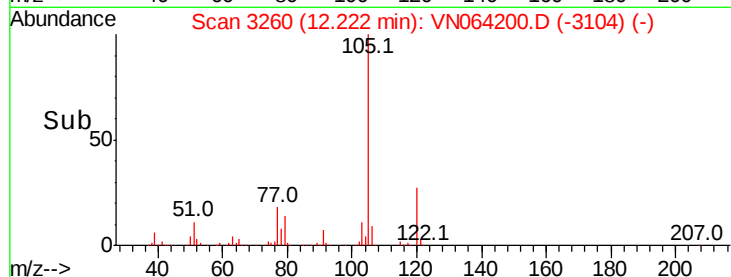
150000

100000

50000

0

Time--> 12.15 12.20 12.25



#71

1,1,2,2-Tetrachloroethane

Concen: 18.128 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

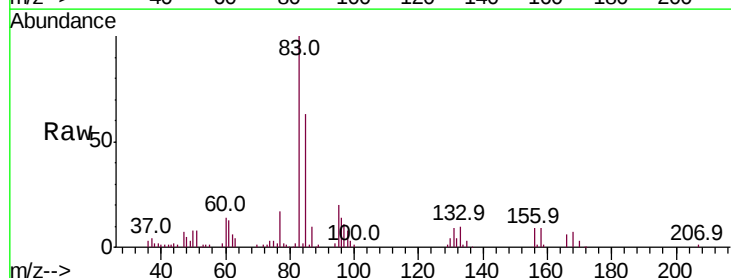
Tgt Ion: 83 Resp: 76101

Ion Ratio Lower Upper

83 100

131 10.4 5.5 16.4

85 64.6 30.8 92.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VN0

60000

50000

40000

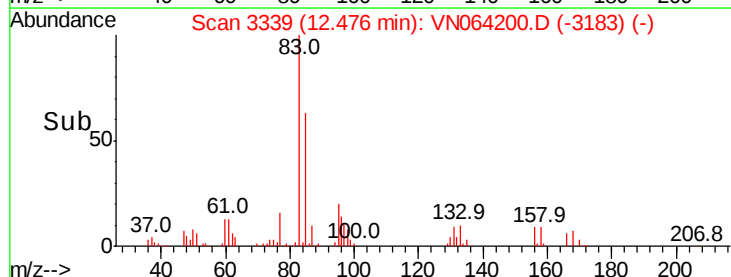
30000

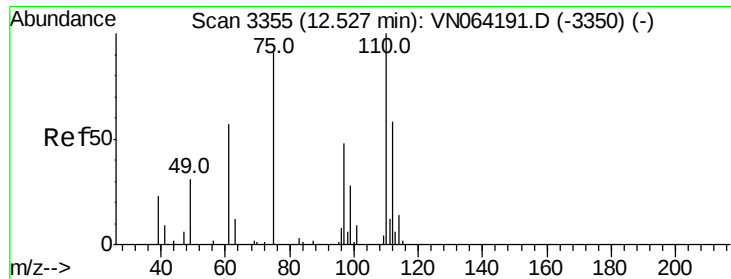
20000

10000

0

Time--> 12.40 12.45 12.50





#72

1,2,3-Trichloropropane

Concen: 25.134 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

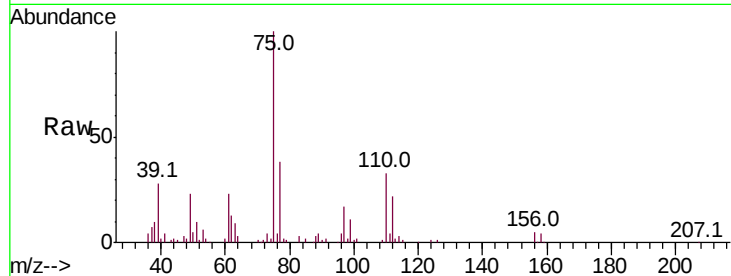
ClientSampleId :

Tot Ion: 75 Resp: 110104

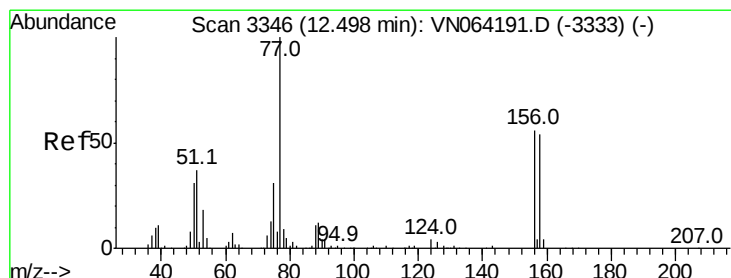
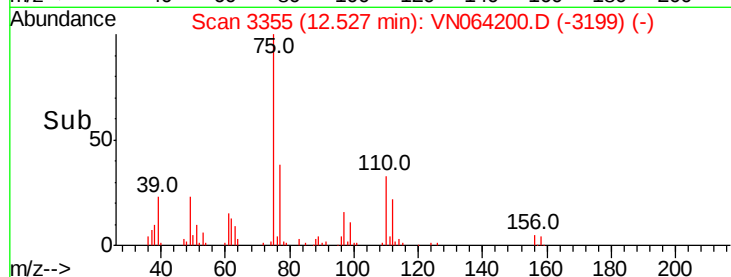
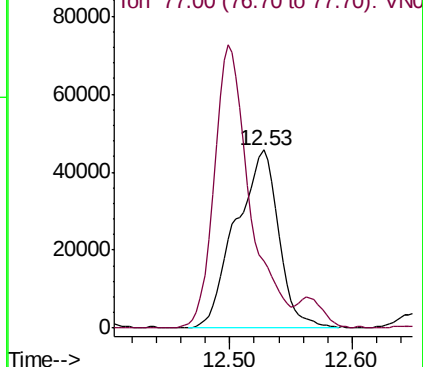
Ion Ratio Lower Upper

75 100

77 133.1 0.0 417.6



Abundance Ion 75.00 (74.70 to 75.70): VN064191.D (-3350) (-)



#73

Bromobenzene

Concen: 17.434 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

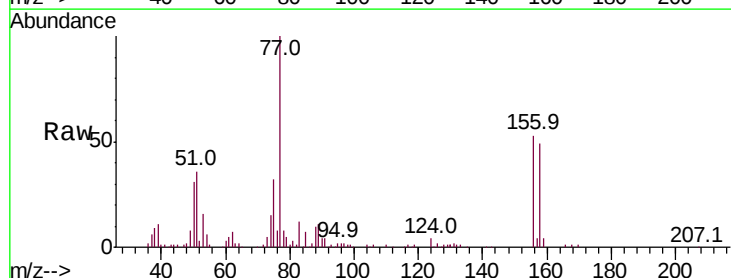
Tgt Ion: 156 Resp: 64403

Ion Ratio Lower Upper

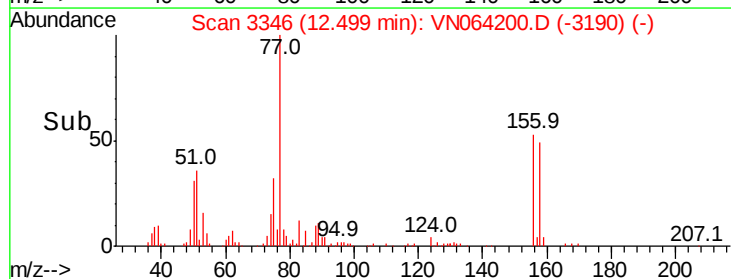
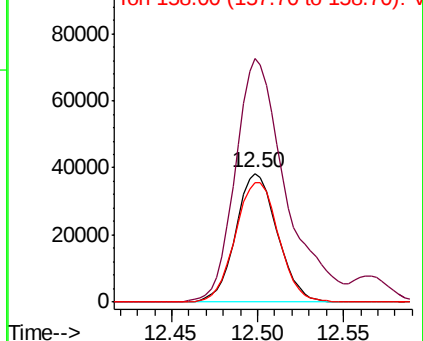
156 100

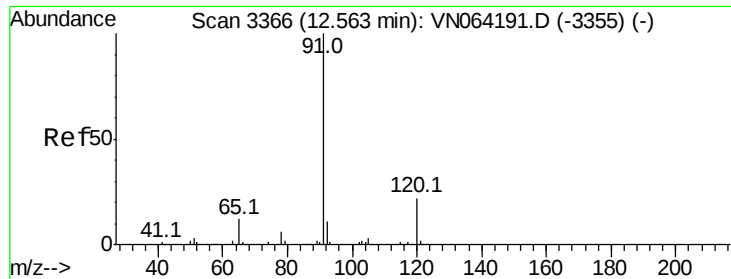
77 227.5 0.0 429.8

158 97.3 0.0 190.6



Abundance Ion 156.00 (155.70 to 156.70): VN064191.D (-3333) (-)





#74

n-propylbenzene

Concen: 17.249 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

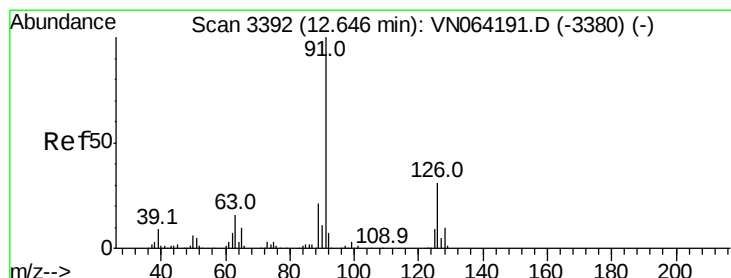
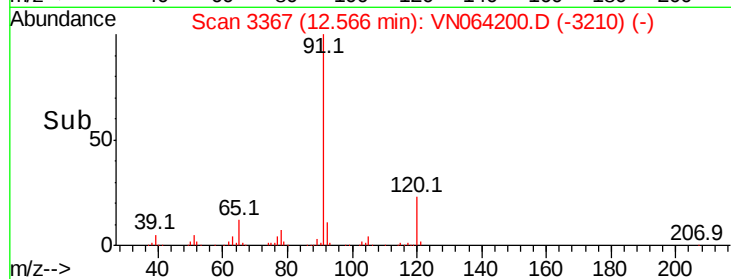
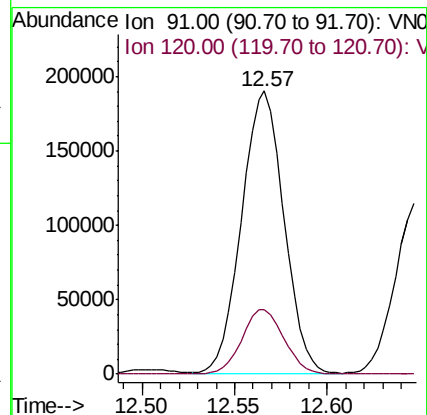
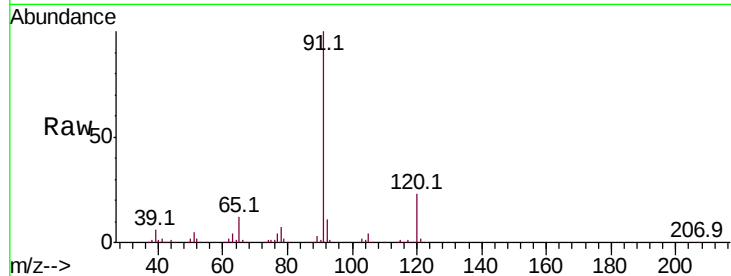
ClientSampleId :

Tot Ion: 91 Resp: 301584

Ion Ratio Lower Upper

91 100

120 22.7 0.0 43.8



#75

2-Chlorotoluene

Concen: 17.387 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064200.D

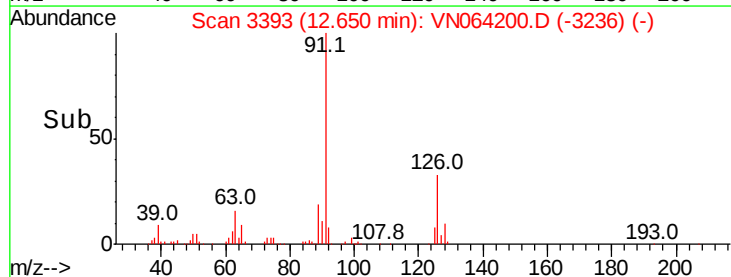
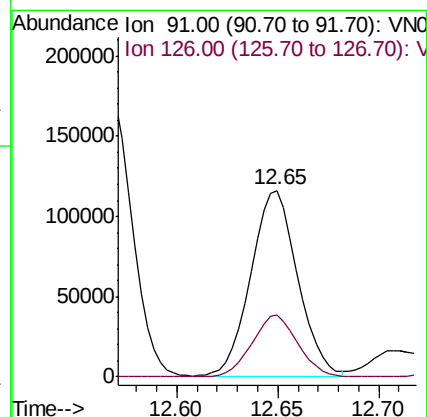
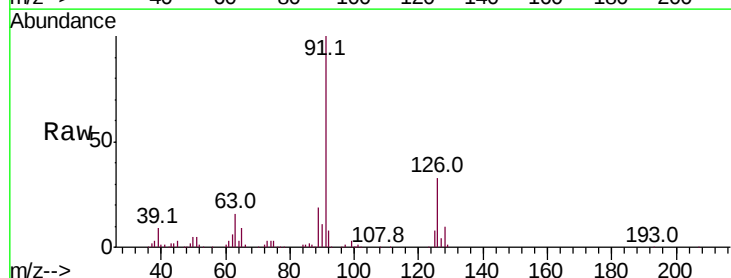
Acq: 20 Oct 2020 17:06

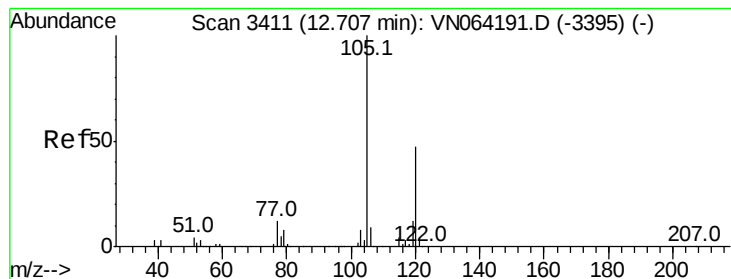
Tgt Ion: 91 Resp: 188190

Ion Ratio Lower Upper

91 100

126 32.7 0.0 62.4





#76

1,3,5-Trimethylbenzene

Concen: 17.619 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

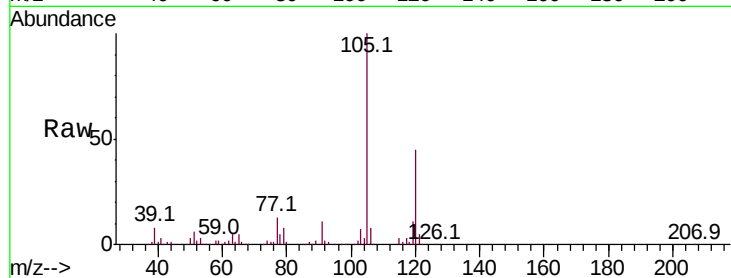
ClientSampleId :

Tot Ion:105 Resp: 229674

Ion Ratio Lower Upper

105 100

120 44.8 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

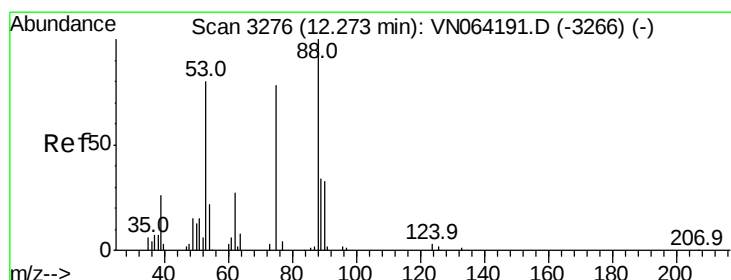
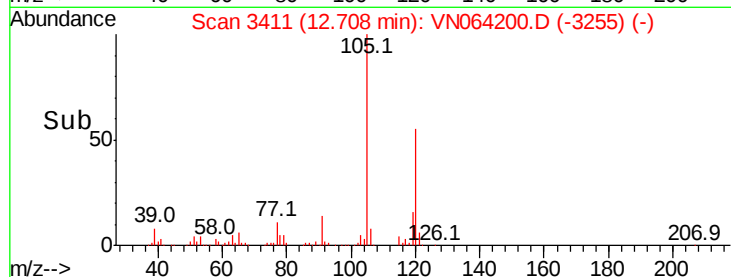
100000

50000

0

12.65 12.70 12.75

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 17.635 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

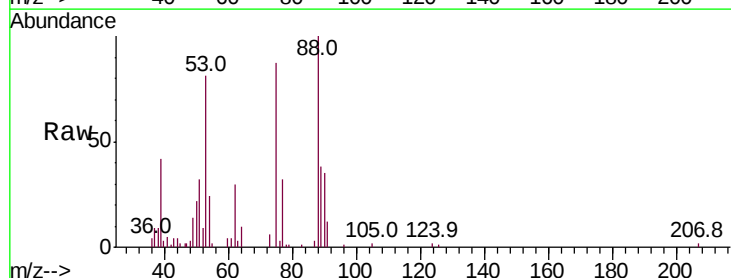
Tgt Ion: 75 Resp: 30204

Ion Ratio Lower Upper

75 100

53 93.7 51.4 154.2

89 43.8 23.8 71.5



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

40000

30000

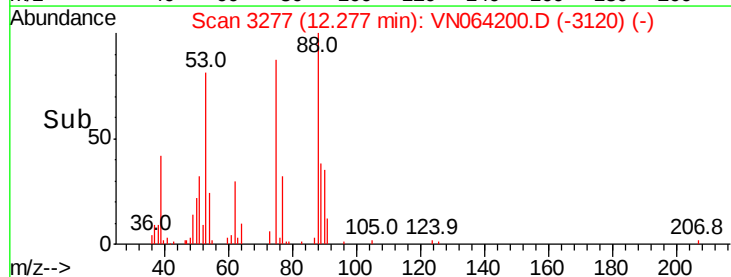
20000

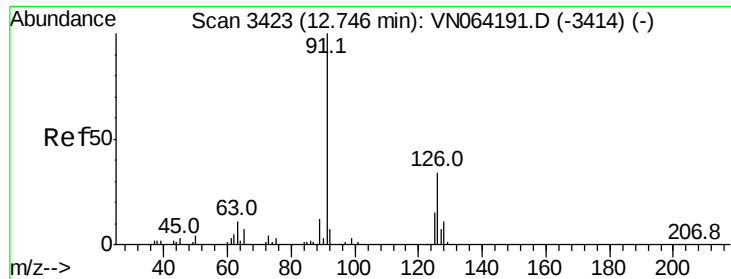
10000

0

12.20 12.25 12.30 12.35

Time-->





#78

4-Chlorotoluene

Concen: 16.981 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

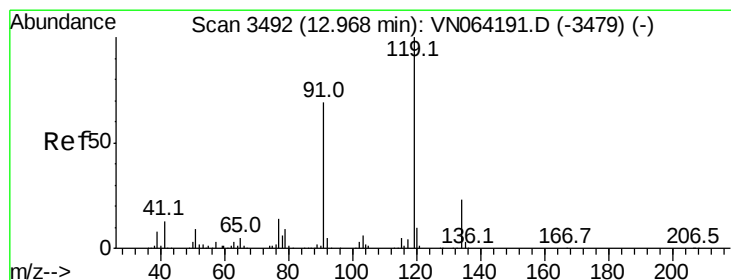
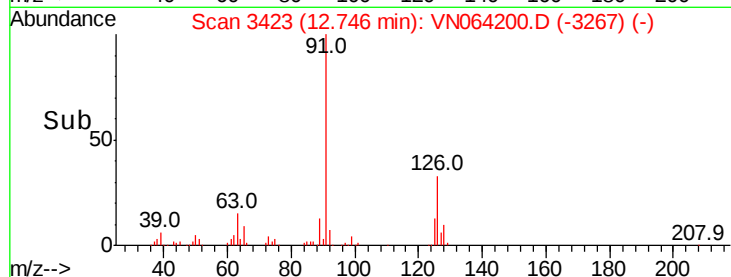
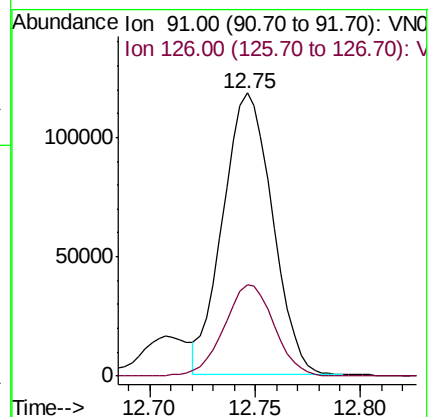
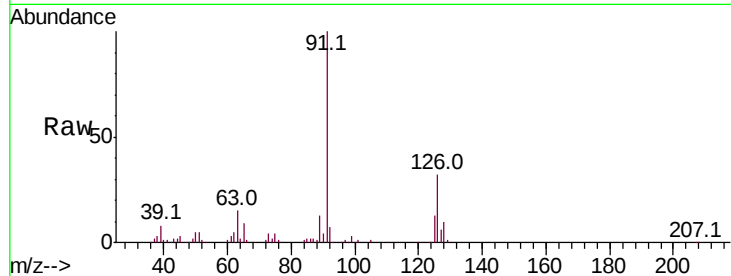
ClientSampleId :

Tot Ion: 91 Resp: 192250

Ion Ratio Lower Upper

91 100

126 33.0 0.0 63.2



#79

tert-butylbenzene

Concen: 17.276 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

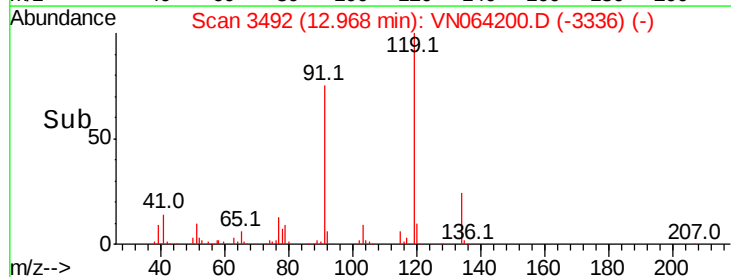
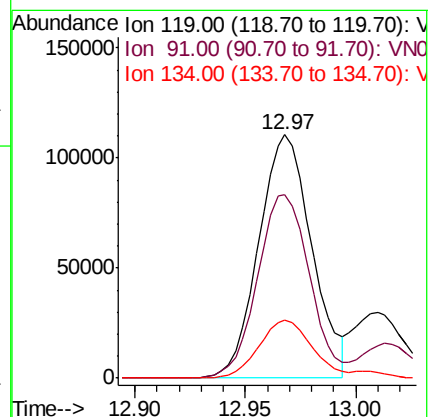
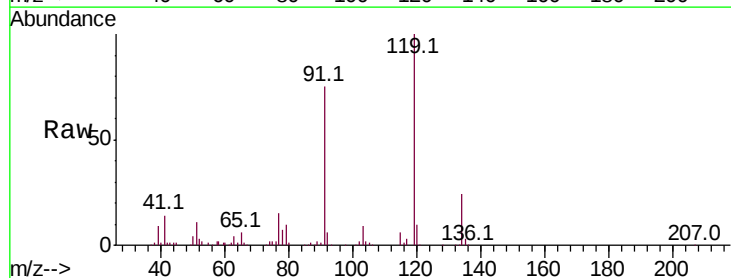
Tgt Ion: 119 Resp: 184108

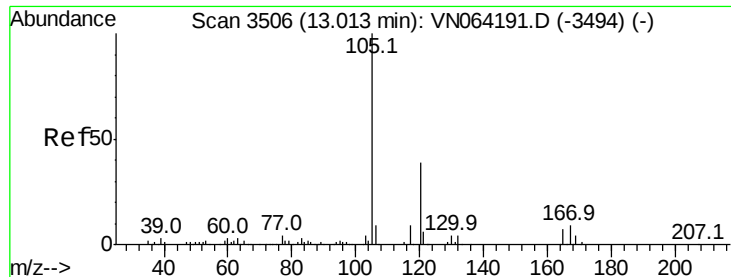
Ion Ratio Lower Upper

119 100

91 74.6 0.0 143.2

134 23.9 0.0 49.2





#80

1,2,4-Trimethylbenzene

Concen: 17.465 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

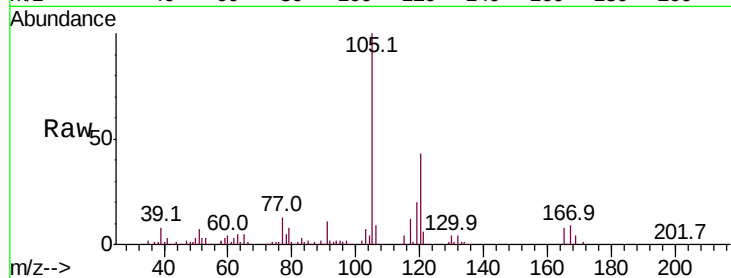
ClientSampleId :

Tot Ion:105 Resp: 231116

Ion Ratio Lower Upper

105 100

120 43.4 0.0 85.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

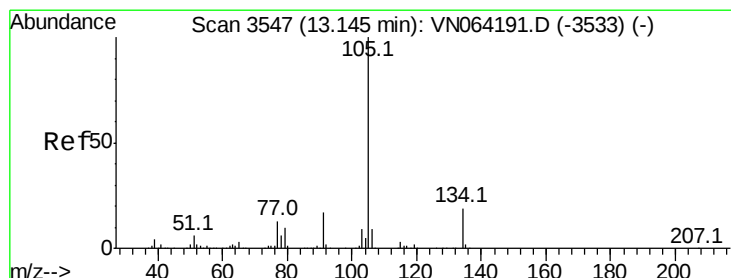
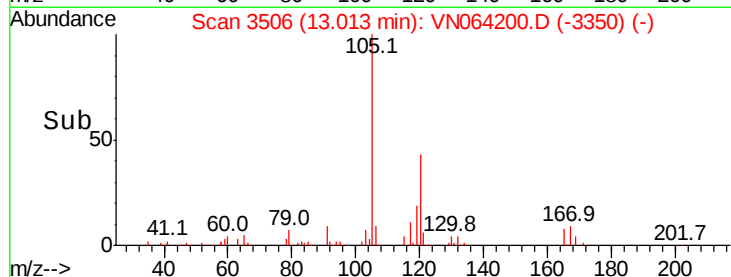
100000

50000

0

12.95 13.01 13.05

Time-->



#81

sec-Butylbenzene

Concen: 17.220 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064200.D

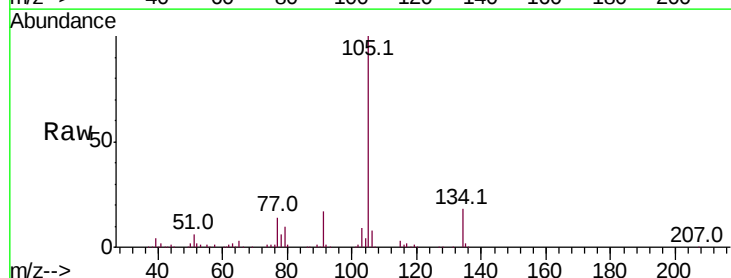
Acq: 20 Oct 2020 17:06

Tgt Ion:105 Resp: 238772

Ion Ratio Lower Upper

105 100

134 18.7 0.0 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

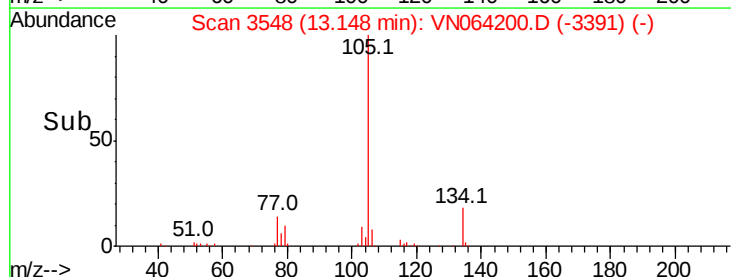
100000

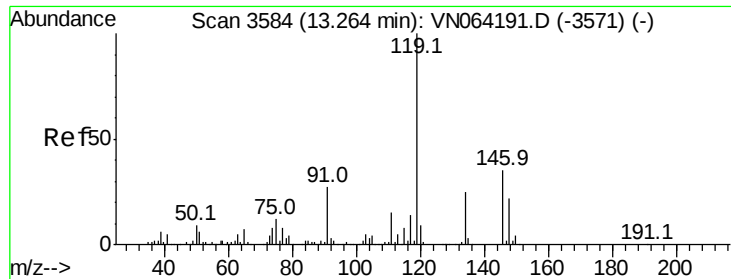
50000

0

13.10 13.15 13.20

Time-->

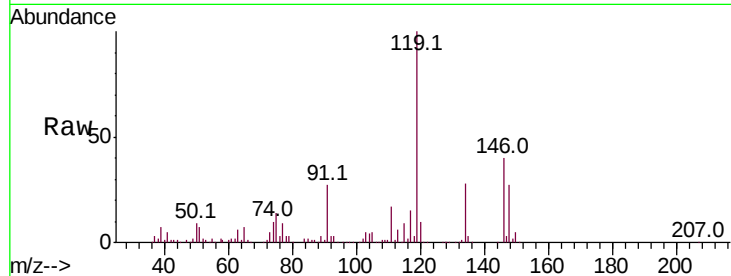




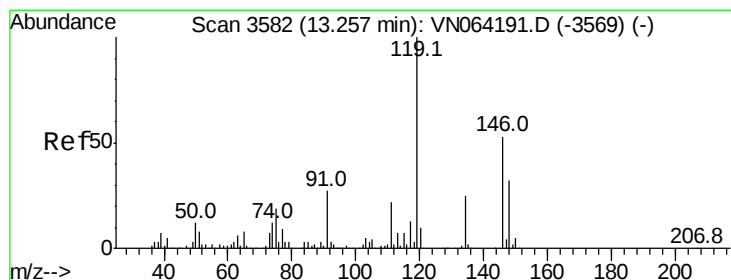
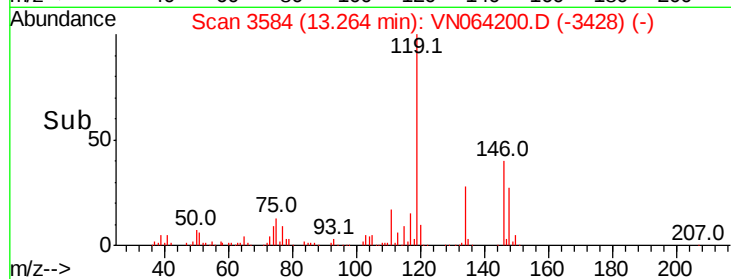
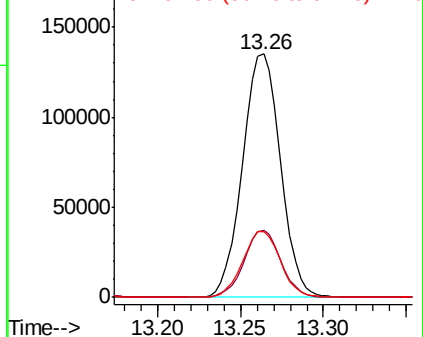
#82
p-Isopropyltoluene
Concen: 16.754 ug/l
RT: 13.26 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 215014
Ion Ratio Lower Upper
119 100
134 26.7 0.0 51.4
91 27.0 0.0 52.8

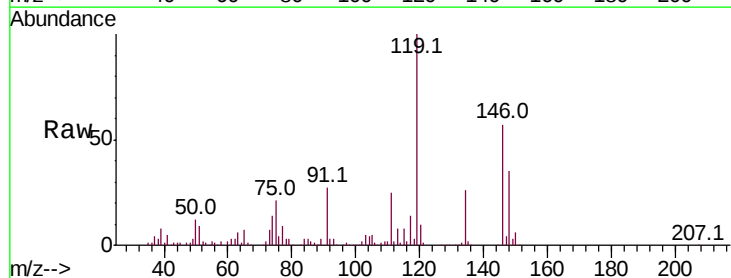


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

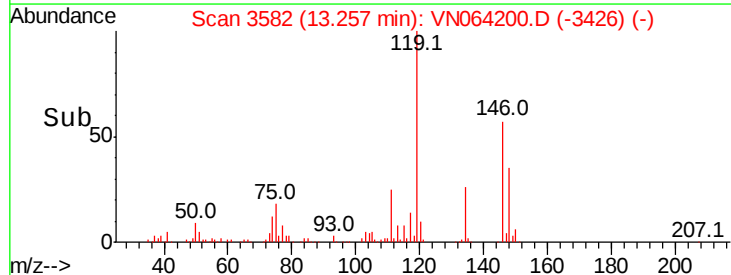
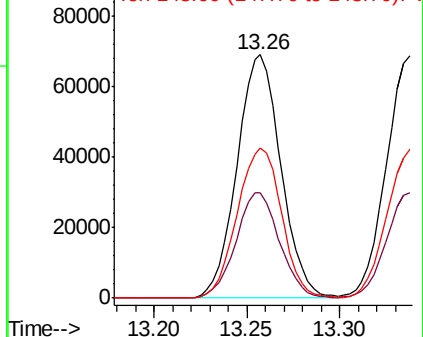


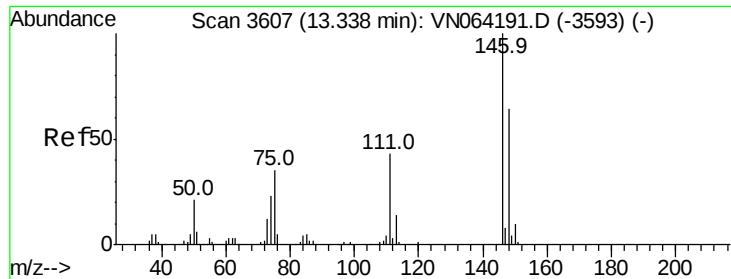
#83
1,3-Dichlorobenzene
Concen: 17.213 ug/l
RT: 13.26 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

Tgt Ion:146 Resp: 113979
Ion Ratio Lower Upper
146 100
111 43.0 21.8 65.4
148 62.3 31.4 94.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#84

1,4-Dichlorobenzene

Concen: 17.233 ug/l

RT: 13.34 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

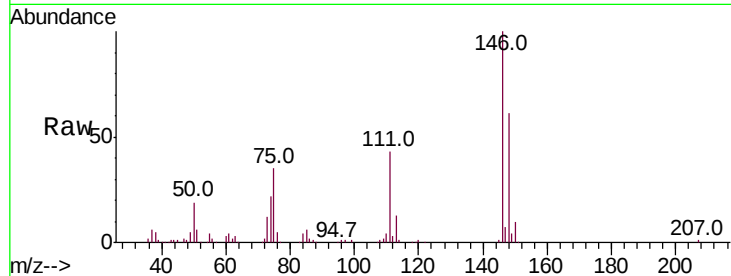
Tot Ion:146 Resp: 114242

Ion Ratio Lower Upper

146 100

111 41.5 20.9 62.8

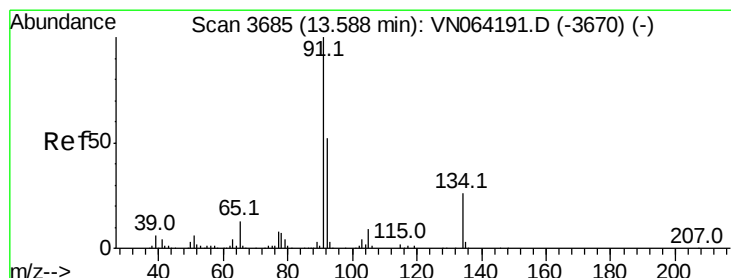
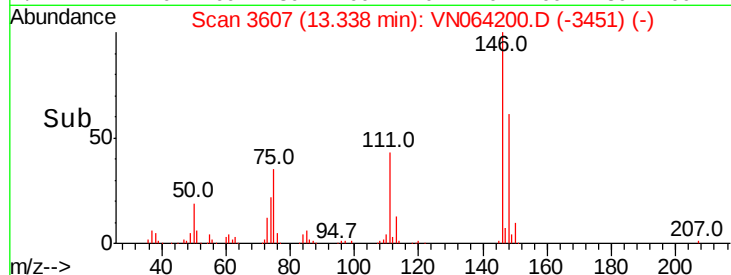
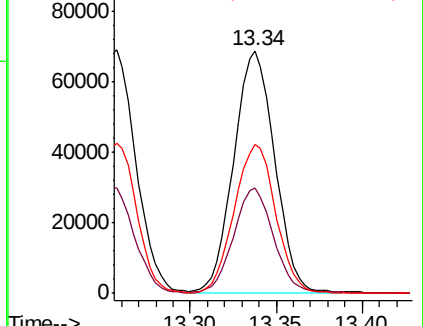
148 62.1 30.9 92.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 16.602 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

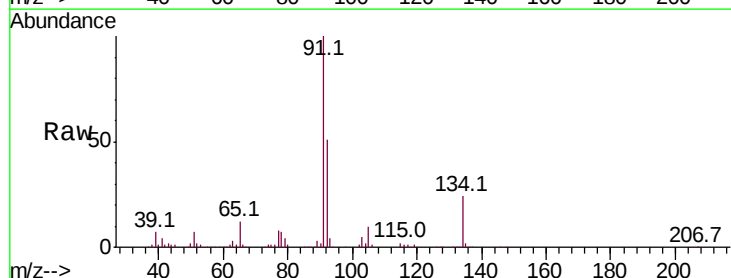
Tgt Ion: 91 Resp: 189134

Ion Ratio Lower Upper

91 100

92 51.9 0.0 104.8

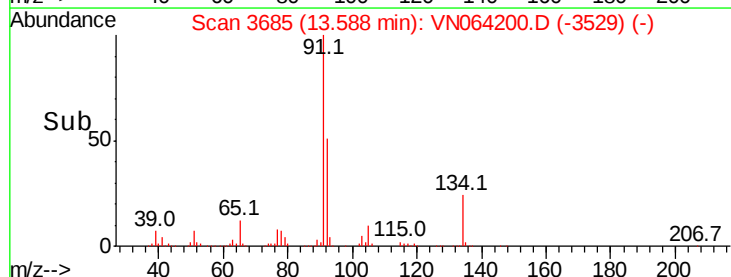
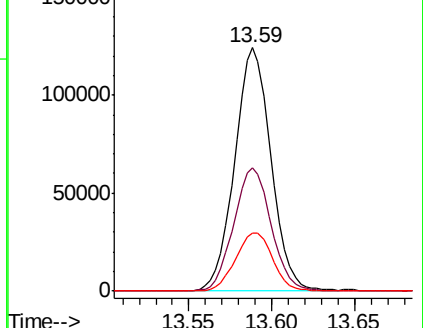
134 24.5 0.0 49.8

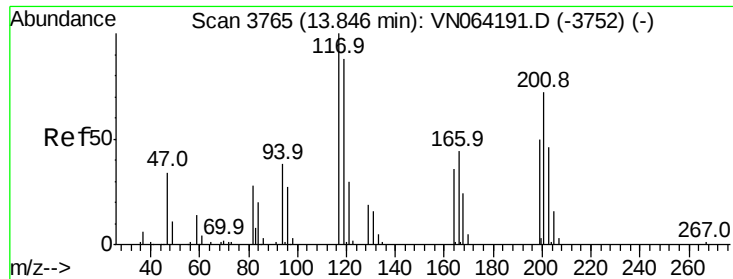


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 17.242 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

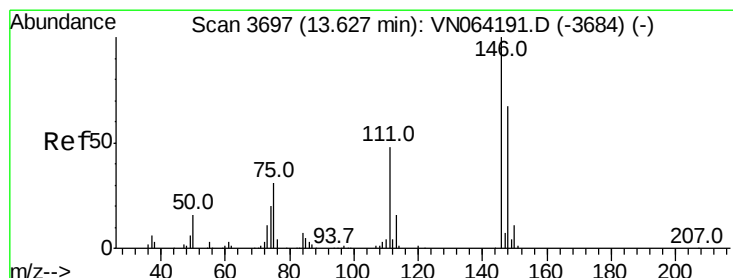
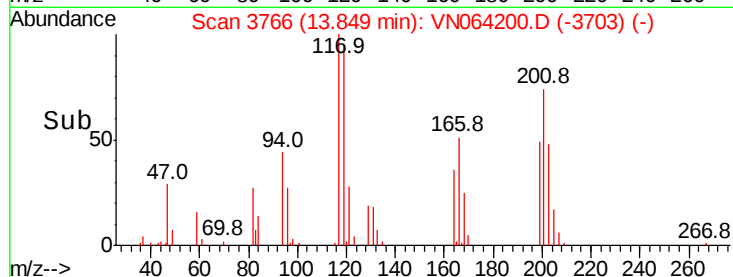
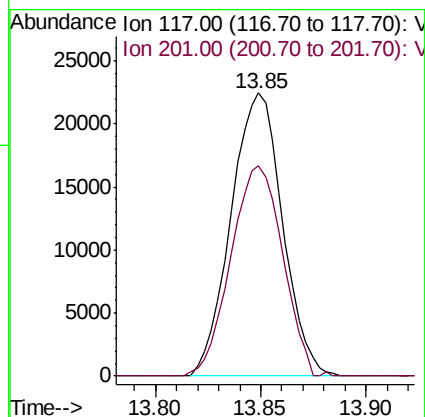
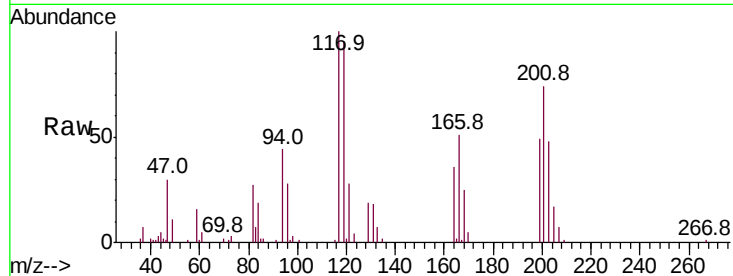
ClientSampled :

Tot Ion:117 Resp: 38093

Ion Ratio Lower Upper

117 100

201 74.5 37.5 112.3



#87

1,2-Dichlorobenzene

Concen: 17.224 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

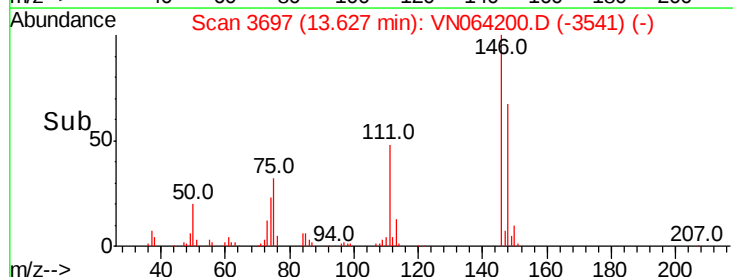
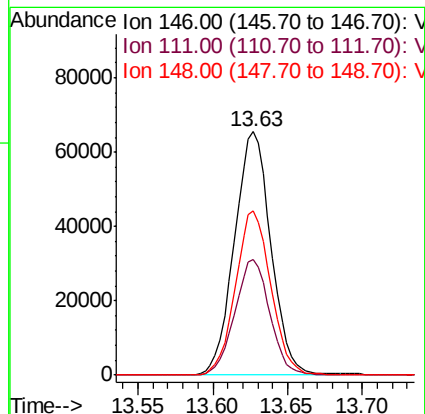
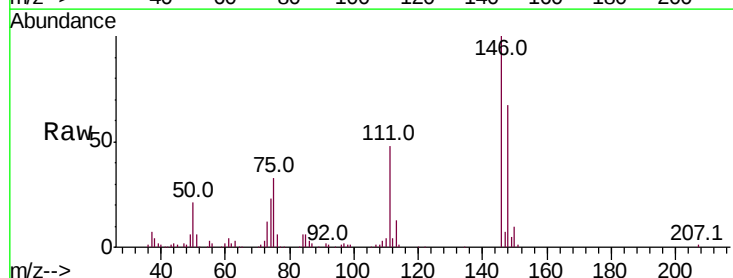
Tgt Ion:146 Resp: 111228

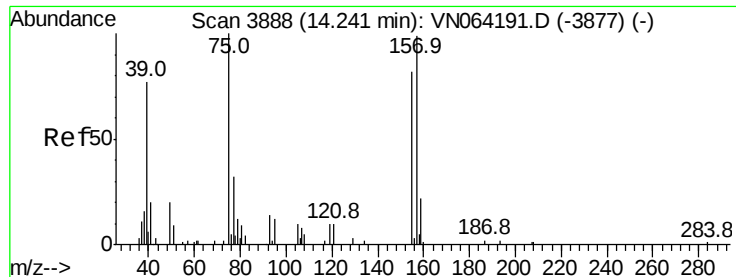
Ion Ratio Lower Upper

146 100

111 45.4 22.6 67.8

148 65.5 32.6 97.8





#88

1,2-Dibromo-3-Chloropropane

Concen: 18.468 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

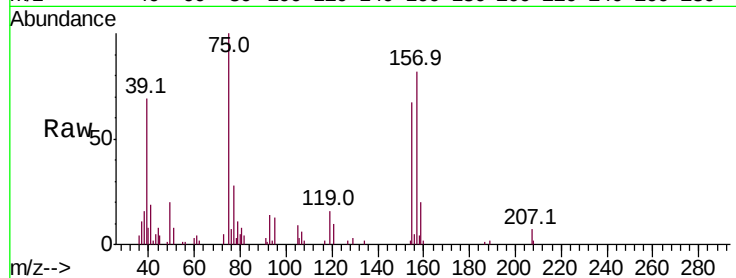
Tot Ion: 75 Resp: 19635

Ion Ratio Lower Upper

75 100

155 73.1 61.1 91.7

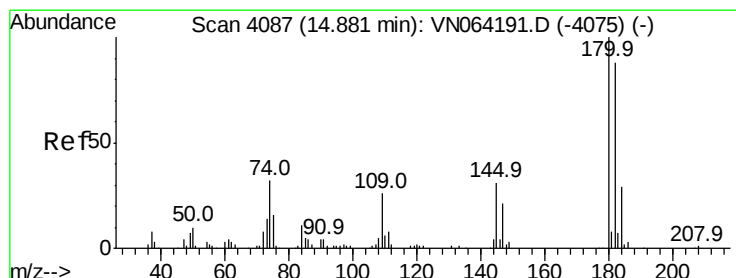
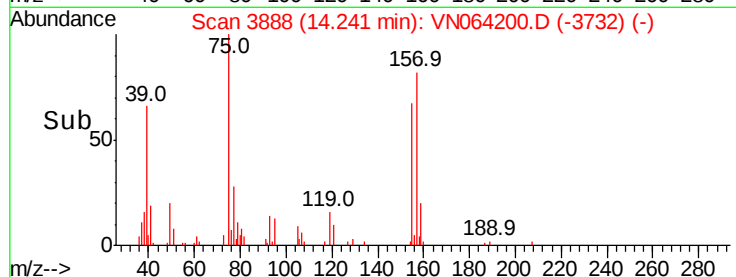
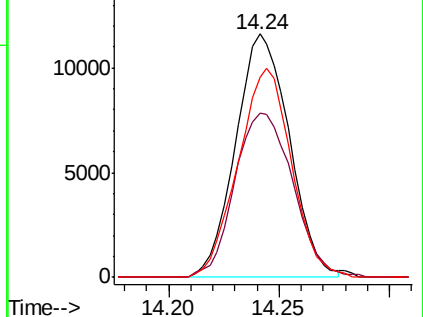
157 85.2 76.5 114.7



Abundance Ion 75.00 (74.70 to 75.70): VN064191.D (-3877) (-)

Ion 155.00 (154.70 to 155.70): VN064191.D (-3877) (-)

Ion 157.00 (156.70 to 157.70): VN064191.D (-3877) (-)



#89

1,2,4-Trichlorobenzene

Concen: 16.821 ug/l

RT: 14.88 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN064200.D

Acq: 20 Oct 2020 17:06

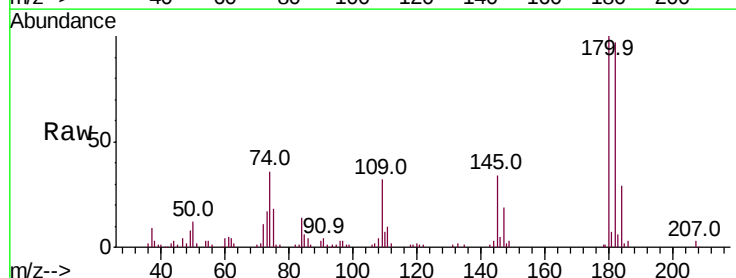
Tgt Ion:180 Resp: 65230

Ion Ratio Lower Upper

180 100

182 95.2 73.0 109.4

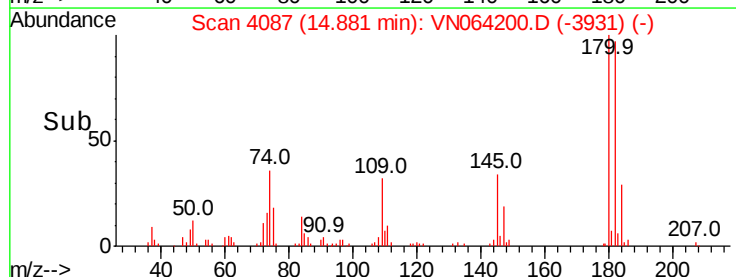
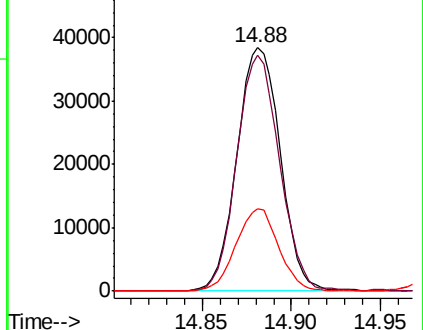
145 33.1 24.3 36.5

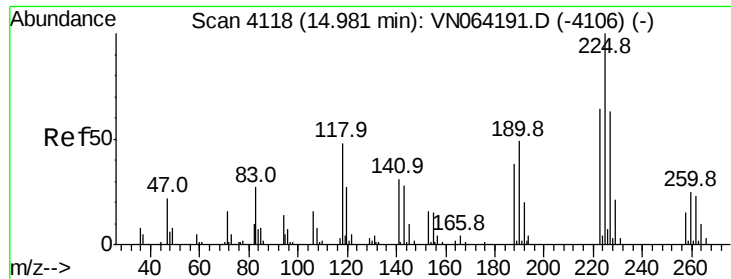


Abundance Ion 180.00 (179.70 to 180.70): VN064191.D (-4075) (-)

Ion 182.00 (181.70 to 182.70): VN064191.D (-4075) (-)

Ion 145.00 (144.70 to 145.70): VN064191.D (-4075) (-)

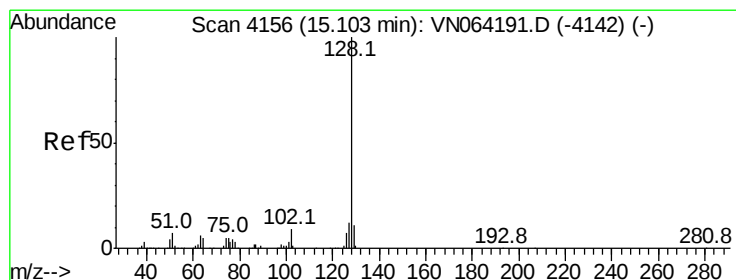
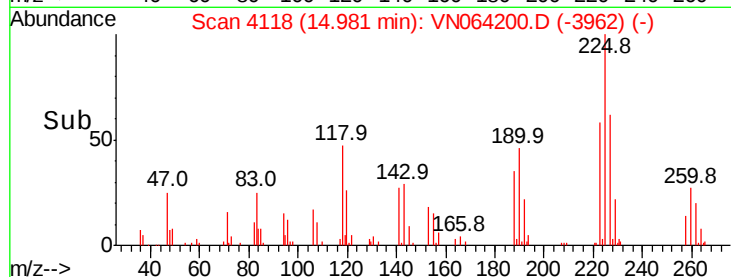
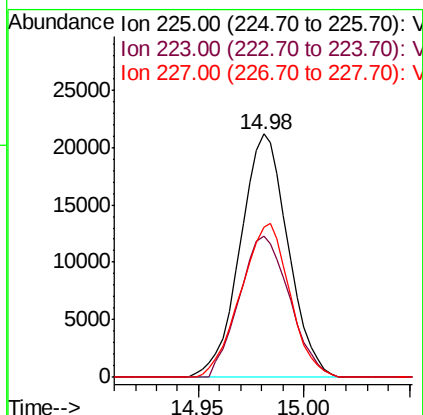
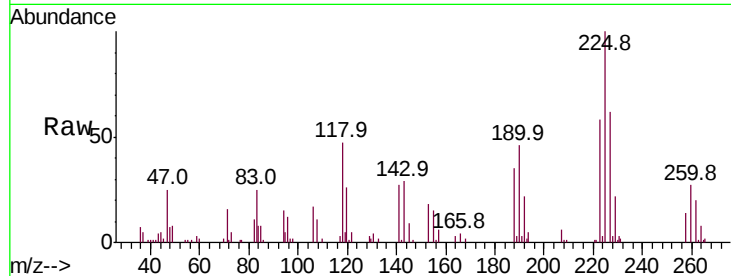




#90
Hexachlorobutadiene
Concen: 16.960 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

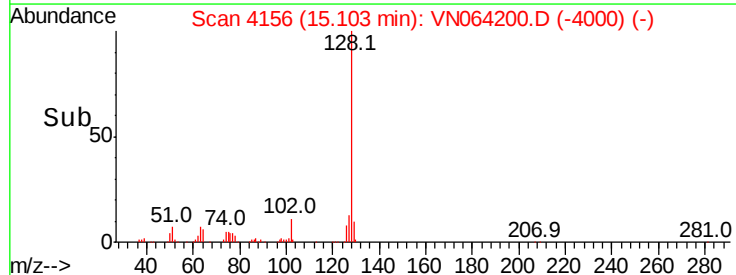
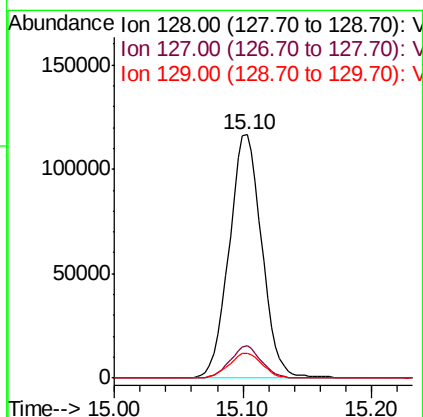
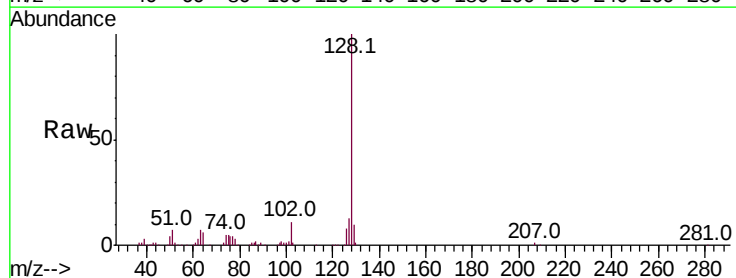
Instrument :
MSVOA_N
ClientSampled :

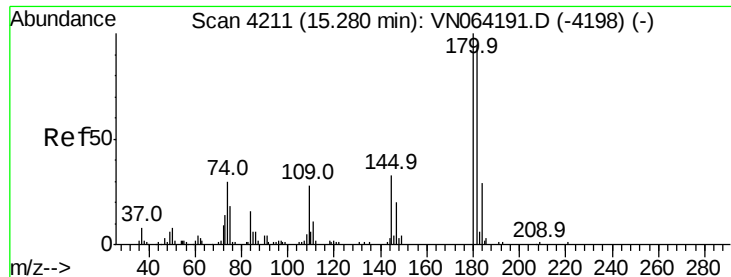
Tot Ion:225 Resp: 33337
Ion Ratio Lower Upper
225 100
223 60.9 0.0 127.0
227 64.9 0.0 129.4



#91
Naphthalene
Concen: 17.399 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064200.D
Acq: 20 Oct 2020 17:06

Tgt Ion:128 Resp: 204521
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.6 8.7 13.1

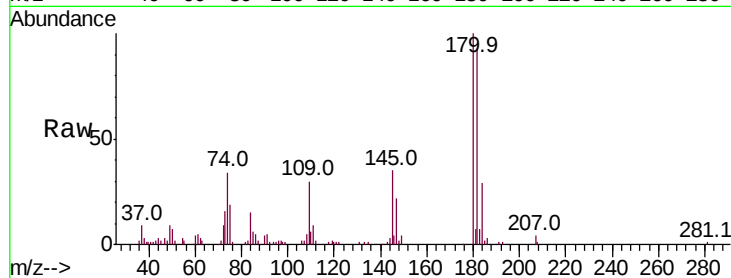




#92
 1,2,3-Trichlorobenzene
 Concen: 17.486 ug/l
 RT: 15.28 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN064200.D
 Acq: 20 Oct 2020 17:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	0.0	190.0
145	35.7	0.0	66.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

