

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110920\
 Data File : VN064505.D
 Acq On : 9 Nov 2020 12:13
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Nov 09 12:32:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 09 12:16:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	65889	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	362328	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	342402	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	183229	33.67	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	112.23%#
60) 4-Bromofluorobenzene	12.38	95	180669	31.02	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	103.40%
63) Toluene-d8	10.06	98	476346	30.71	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	231456	54.594 ug/l	97
3) Chloromethane	2.04	50	261458	58.288 ug/l	98
4) Vinyl Chloride	2.17	62	281616	60.418 ug/l	98
5) Bromomethane	2.53	94	185920	60.825 ug/l	94
6) Chloroethane	2.67	64	179540	64.835 ug/l	100
7) Trichlorofluoromethane	2.99	101	414810	55.315 ug/l	97
8) Diethyl Ether	3.37	74	147404	61.468 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	191290	51.376 ug/l	49
10) 1,1-Dichloroethene	3.69	96	185655	52.293 ug/l	98
11) Methyl Iodide	3.91	142	239192	51.010 ug/l	96
12) Methyl Acetate	4.29	43	235292	61.568 ug/l	96
13) Acrolein	3.57	56	111209	307.354 ug/l	98
14) Acrylonitrile	4.94	53	519944	305.821 ug/l	99
15) Acetone	3.78	58	174337	297.232 ug/l	98
16) Carbon Disulfide	4.00	76	548558	53.682 ug/l	98
17) Allyl chloride	4.27	41	355317	56.348 ug/l	98
18) Methylene Chloride	4.50	84	218137	52.883 ug/l	97
19) trans-1,2-Dichloroethene	4.99	96	209503	53.498 ug/l	98
20) Diisopropyl ether	5.91	45	770101	57.463 ug/l	97
21) 1,1-Dichloroethane	5.80	63	415545	54.944 ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	240766	52.705 ug/l	95
23) tert-Butyl Alcohol	4.76	59	185498	291.571 ug/l #	100
24) Methyl tert-Butyl Ether	5.00	73	675127	53.653 ug/l #	72
25) Chloroform	7.33	83	441200	54.413 ug/l	95
26) Cyclohexane	7.61	56	327562	54.851 ug/l #	100
29) 1,1-Dichloropropene	7.75	75	321649	54.292 ug/l	98
30) 2-Butanone	6.79	43	834968	308.094 ug/l #	82
31) 2,2-Dichloropropane	6.78	77	385666	53.501 ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	398025	52.227 ug/l	97
33) Carbon Tetrachloride	7.74	117	350753	51.149 ug/l	98
34) Benzene	8.00	78	928786	55.485 ug/l #	92
35) Methacrylonitrile	7.13	41	161821	61.286 ug/l	97
36) 1,2-Dichloroethane	8.09	62	379408	54.945 ug/l	99
37) Trichloroethene	8.80	130	233958	50.674 ug/l	99
38) Methylcyclohexane	9.05	83	289679	54.395 ug/l	99
39) 1,2-Dichloropropane	9.08	63	251344	57.768 ug/l	98
40) Dibromomethane	9.17	93	171614	55.281 ug/l	100

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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)
41) Bromodichloromethane	9.37	83	364425	55.373	ug/l	98
42) Vinyl Acetate	5.85	43	3328646	293.452	ug/l	100
43) Ethyl Acetate	6.89	43	329787	62.653	ug/l	97
44) Isopropyl Acetate	8.13	43	549865	59.735	ug/l	97
45) 1,4-Dioxane	9.17	88	82099	1248.472	ug/l	99
46) Methyl methacrylate	9.17	41	272725	59.959	ug/l	99
47) n-amyl Acetate	12.05	43	491788	62.667	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	391330	54.199	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	406741	54.486	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	233802	56.201	ug/l	97
51) Ethyl methacrylate	10.40	69	347414	58.256	ug/l	95
52) 1,3-Dichloropropane	10.68	76	398185	56.829	ug/l	99
53) Dibromochloromethane	10.87	129	267022	52.587	ug/l	100
54) 1,2-Dibromoethane	10.98	107	245170	55.632	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	901704	277.570	ug/l	99
56) Bromoform	12.10	173	176971	49.664	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	1717436	309.493	ug/l	100
59) 2-Hexanone	10.72	43	1308310	317.704	ug/l	98
61) Tetrachloroethene	10.60	164	214741	47.056	ug/l	98
62) Toluene	10.13	91	1027007	53.197	ug/l	100
64) Chlorobenzene	11.41	112	609308	50.955	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	236809	51.084	ug/l	99
66) Ethyl Benzene	11.48	91	1137053	53.953	ug/l	100
67) m/p-Xylenes	11.59	106	837972	105.632	ug/l	98
68) o-Xylene	11.92	106	396135	52.074	ug/l	96
69) Styrene	11.94	104	697302	54.608	ug/l	99
70) Isopropylbenzene	12.22	105	1055496	53.524	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	333135	59.171	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	473182	81.570	ug/l	58
73) Bromobenzene	12.50	156	254544	50.396	ug/l	98
74) n-propylbenzene	12.57	91	1245230	56.857	ug/l	100
75) 2-Chlorotoluene	12.65	91	759063	54.794	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	890963	54.358	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	124529	60.354	ug/l	98
78) 4-Chlorotoluene	12.75	91	805061	55.956	ug/l	99
79) tert-butylbenzene	12.97	119	697446	54.129	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	915257	55.450	ug/l	99
81) sec-Butylbenzene	13.14	105	919716	55.502	ug/l	100
82) p-Isopropyltoluene	13.26	119	826895	54.605	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	453132	52.178	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	452465	52.001	ug/l	99
85) n-Butylbenzene	13.59	91	710202	58.492	ug/l	98
86) Hexachloroethane	13.85	117	161776	55.969	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	443497	53.155	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	75323	62.011	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	206448	51.415	ug/l	96
90) Hexachlorobutadiene	14.98	225	94030	44.018	ug/l	99
91) Naphthalene	15.10	128	706242	58.071	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	208254	51.562	ug/l	100

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Nov 09 12:16:00 2020
Response via : Initial Calibration

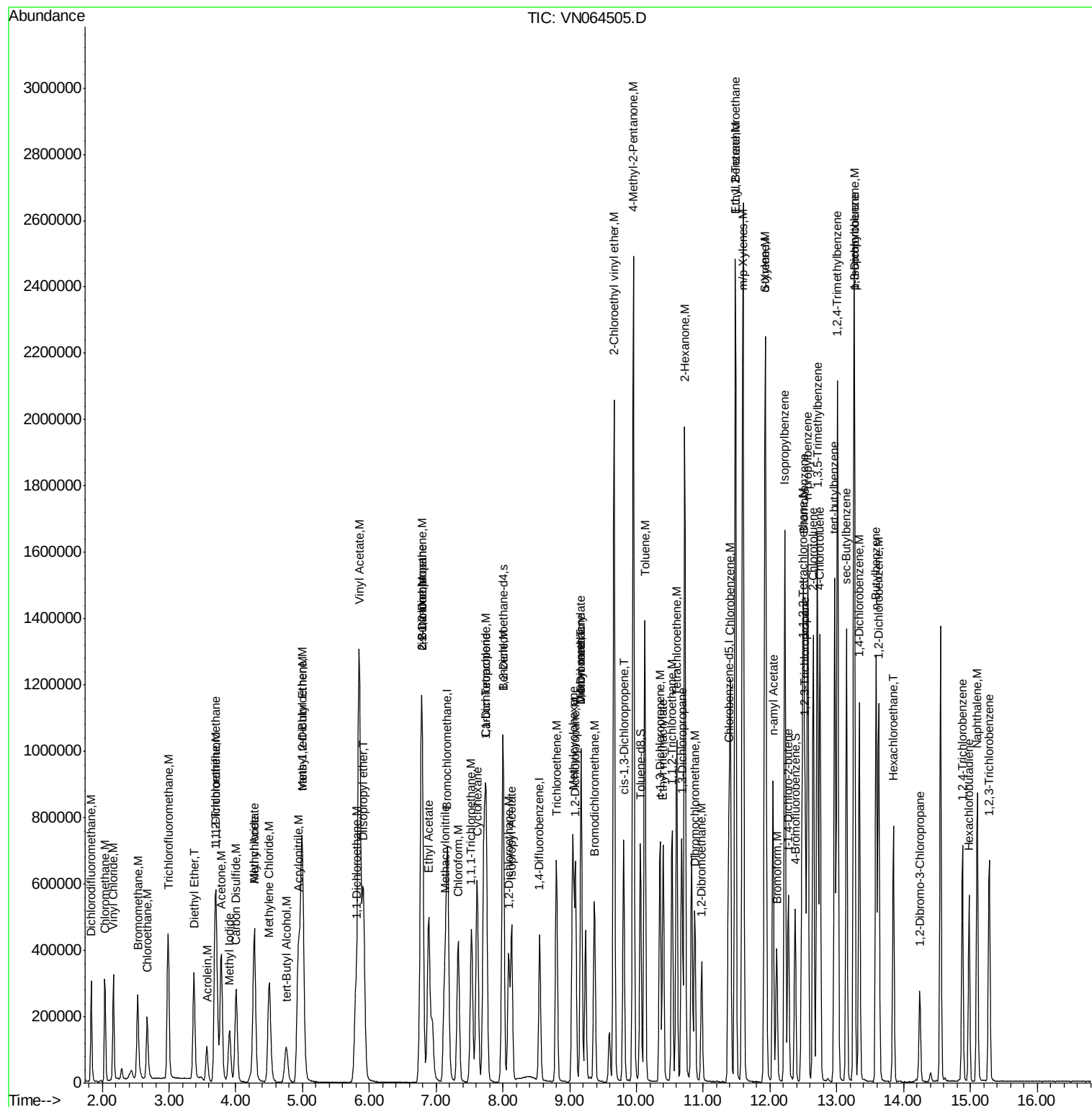
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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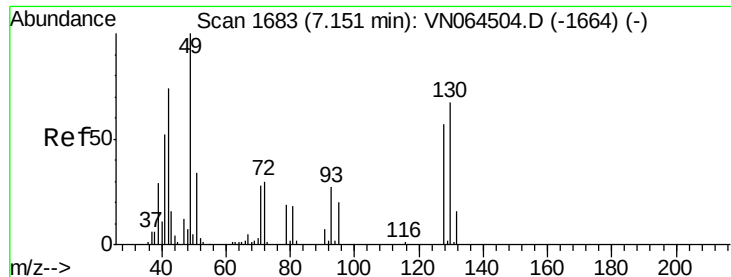
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110920\
Data File : VN064505.D
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Quant Time: Nov 09 12:32:54 2020
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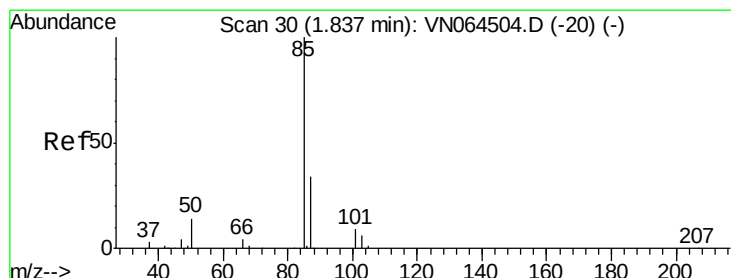
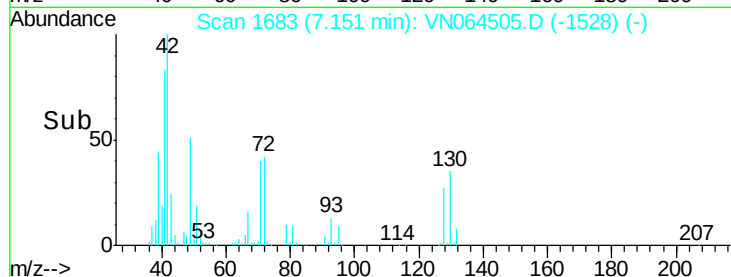
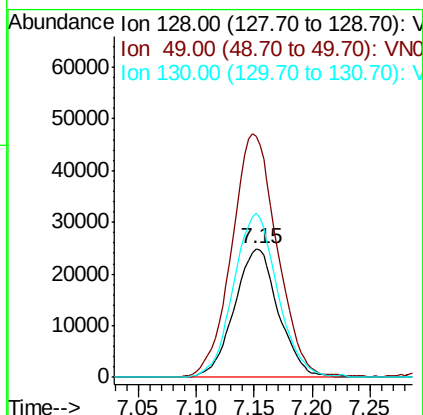
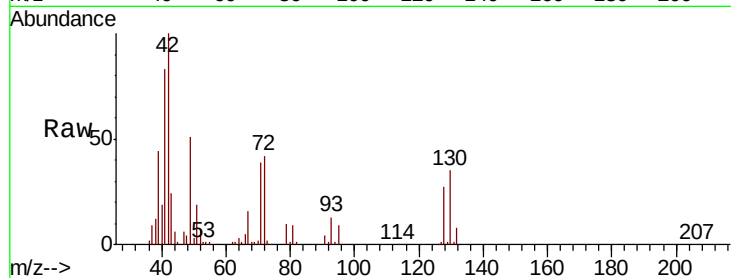




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VN064505.D
 Acq: 9 Nov 2020 12:13

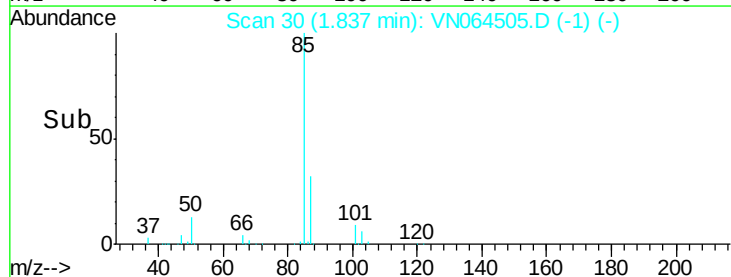
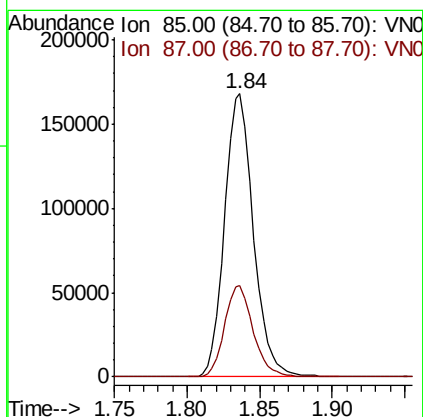
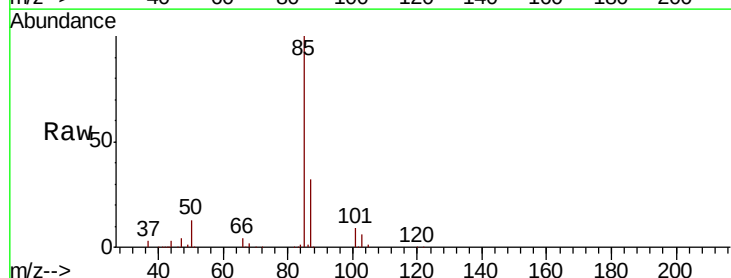
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

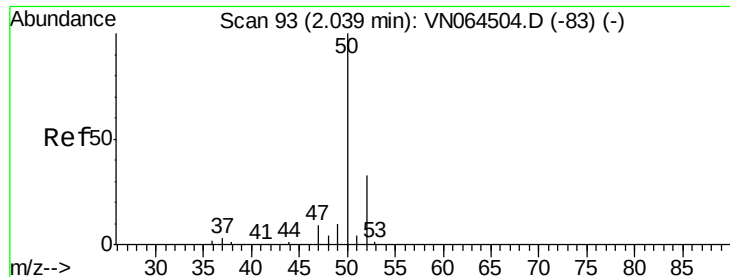
Tot Ion:128 Resp: 65889
 Ion Ratio Lower Upper
 128 100
 49 194.4 0.0 475.5
 130 127.4 0.0 315.3



#2
 Dichlorodifluoromethane
 Concen: 54.594 ug/l
 RT: 1.84 min Scan# 30
 Delta R.T. -0.00 min
 Lab File: VN064505.D
 Acq: 9 Nov 2020 12:13

Tgt Ion: 85 Resp: 231456
 Ion Ratio Lower Upper
 85 100
 87 32.1 17.0 50.9





#3

Chloromethane

Concen: 58.288 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

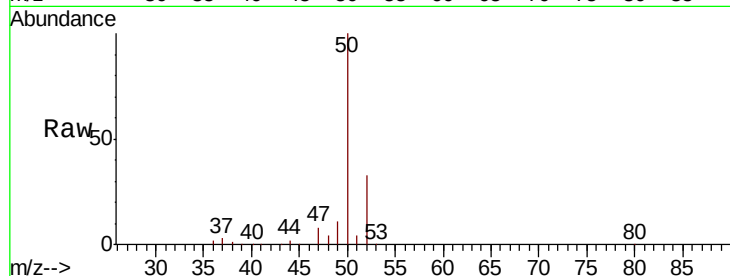
VSTDIC050

Tot Ion: 50 Resp: 261458

Ion Ratio Lower Upper

50 100

52 33.4 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2.04

200000

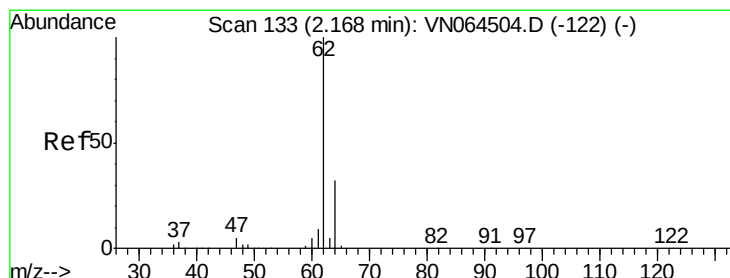
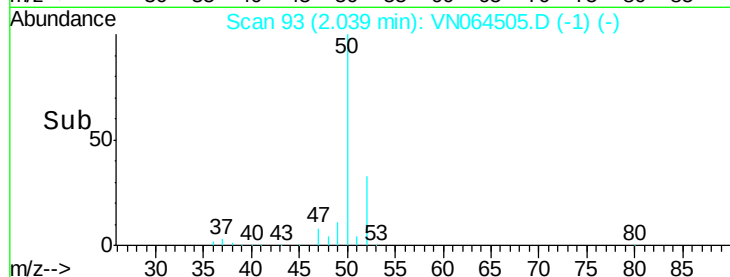
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 60.418 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064505.D

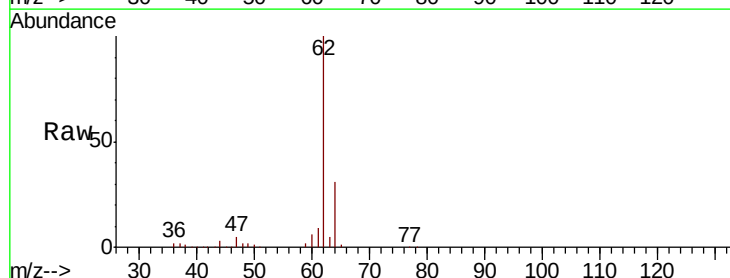
Acq: 9 Nov 2020 12:13

Tgt Ion: 62 Resp: 281616

Ion Ratio Lower Upper

62 100

64 31.1 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

2.17

200000

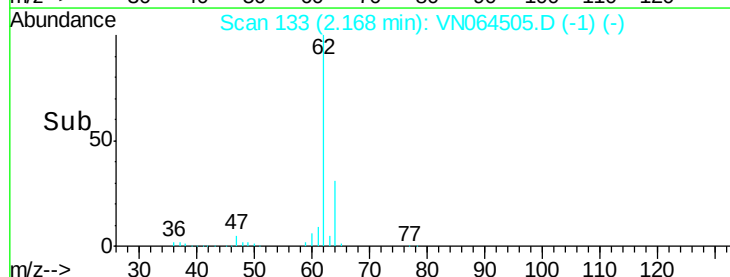
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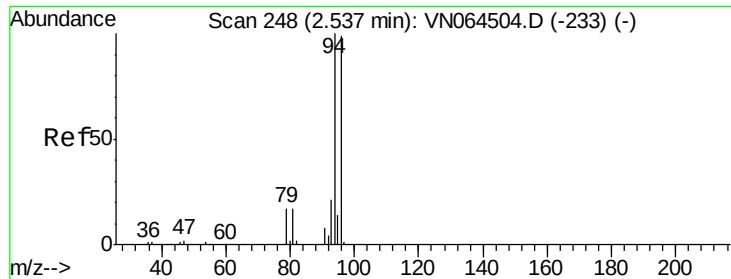
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50000

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Time-->

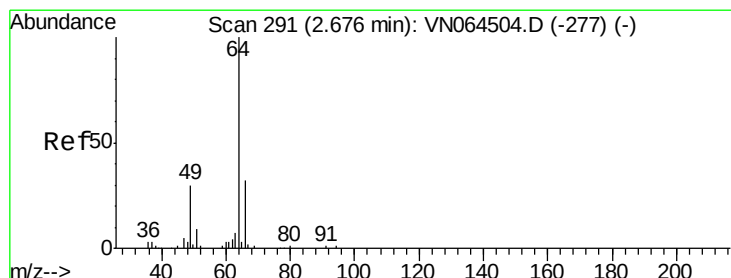
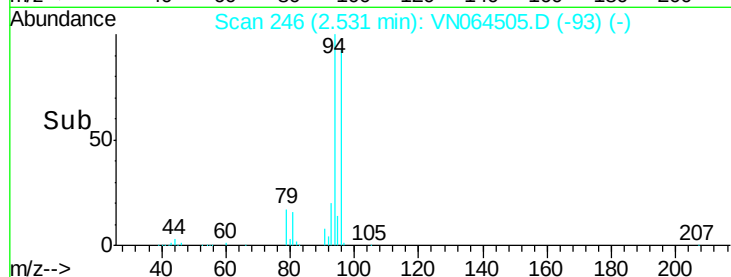
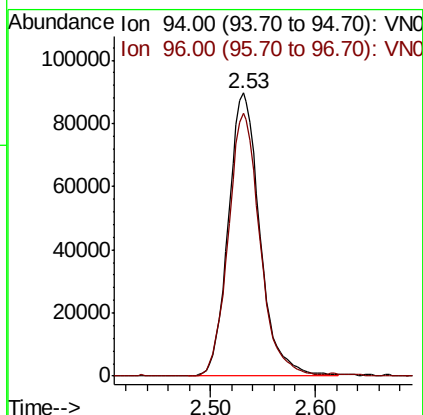
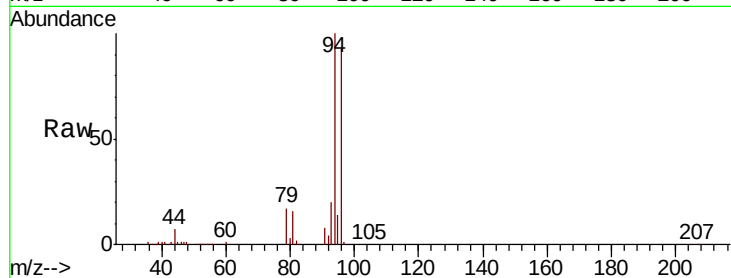




#5
Bromomethane
Concen: 60.825 ug/l
RT: 2.53 min Scan# 246
Delta R.T. -0.01 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

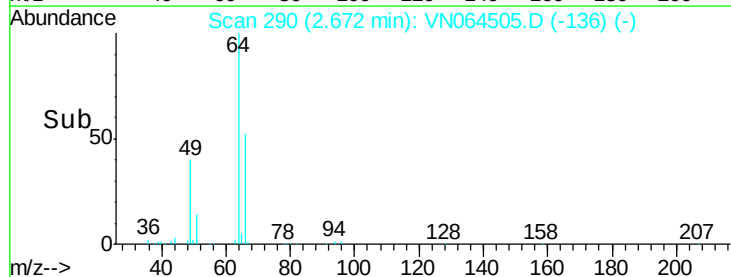
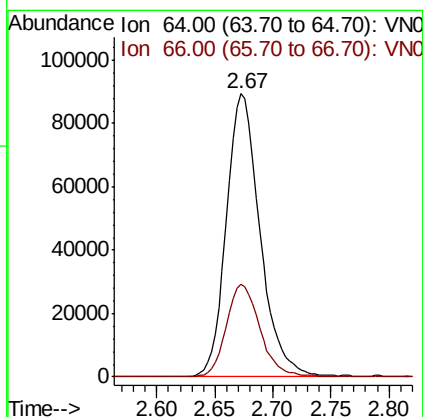
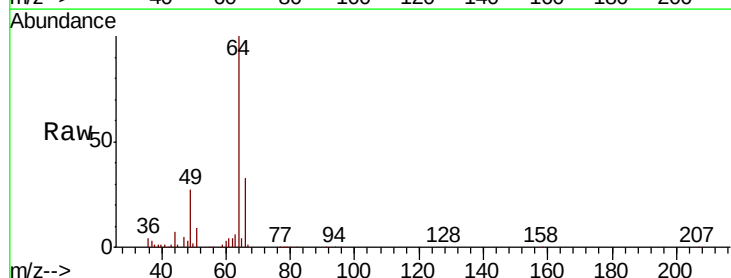
Instrument :
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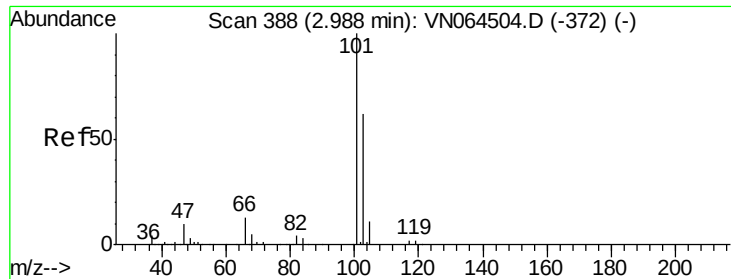
Tot Ion: 94 Resp: 185920
Ion Ratio Lower Upper
94 100
96 92.8 79.3 118.9



#6
Chloroethane
Concen: 64.835 ug/l
RT: 2.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

Tgt Ion: 64 Resp: 179540
Ion Ratio Lower Upper
64 100
66 32.4 26.0 39.0



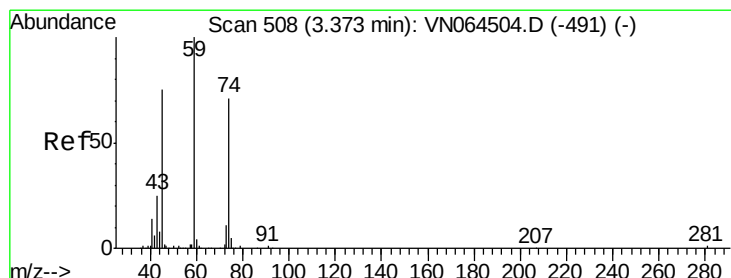
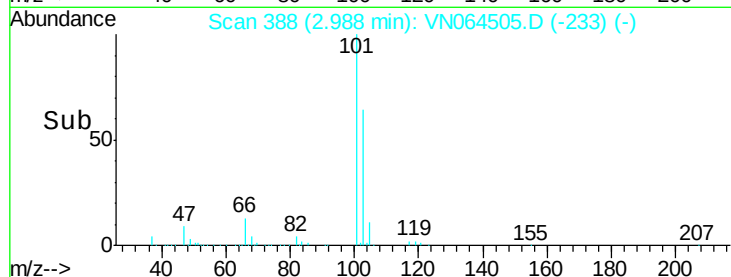
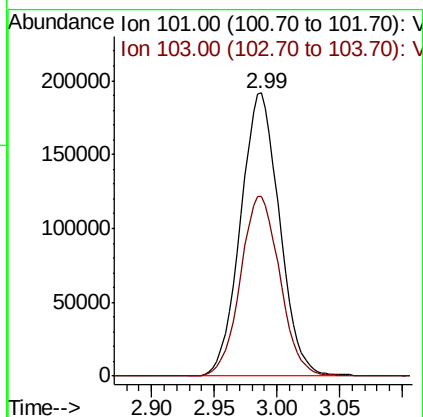
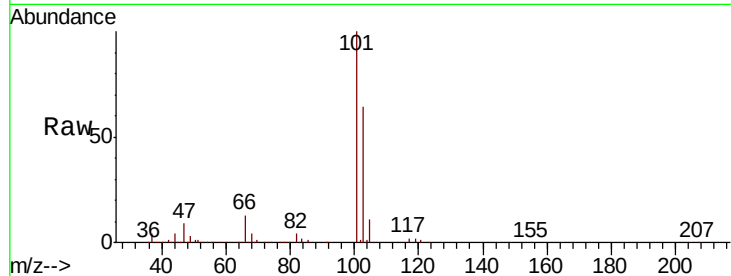


#7

Trichlorofluoromethane
 Concen: 55.315 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN064505.D
 Acq: 9 Nov 2020 12:13

Instrument :
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 ClientSampleId :
 VSTDIC050

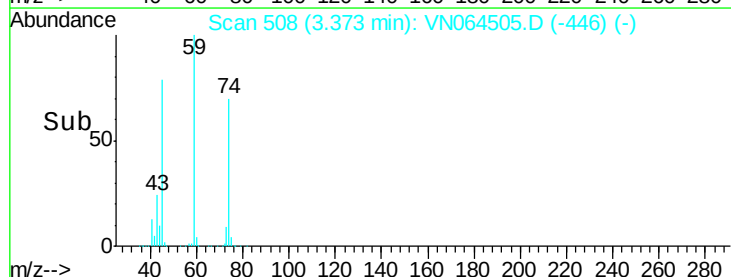
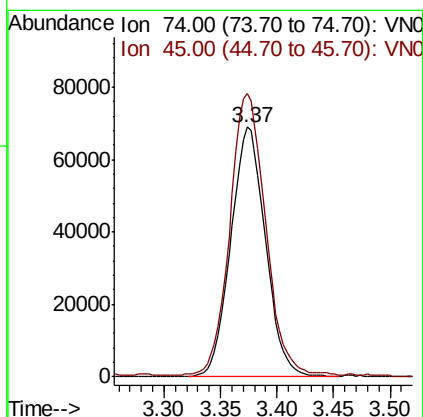
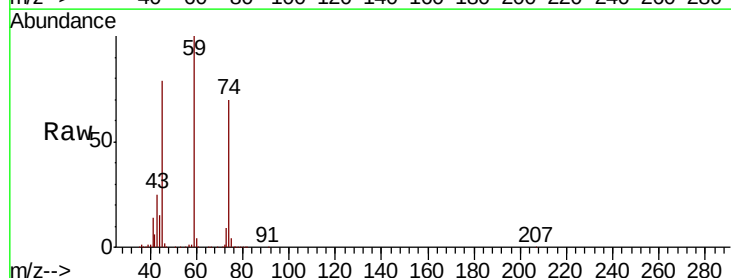
Tot Ion:101 Resp: 414810
 Ion Ratio Lower Upper
 101 100
 103 63.6 49.3 73.9

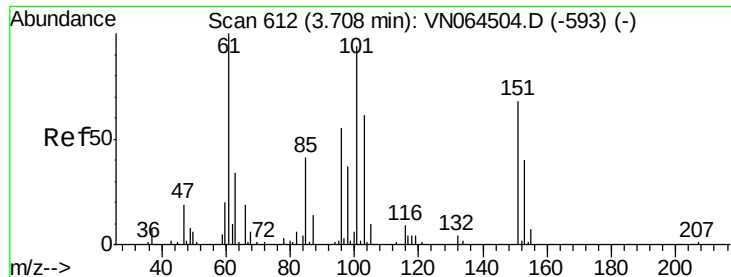


#8

Diethyl Ether
 Concen: 61.468 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064505.D
 Acq: 9 Nov 2020 12:13

Tgt Ion: 74 Resp: 147404
 Ion Ratio Lower Upper
 74 100
 45 115.6 22.1 198.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.376 ug/l

RT: 3.71 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

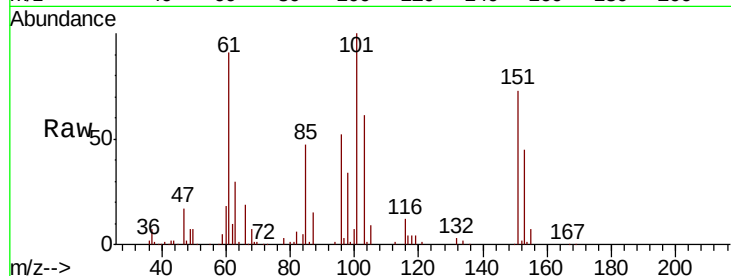
Tot Ion:101 Resp: 191290

Ion Ratio Lower Upper

101 100

85 48.1 0.0 49.0

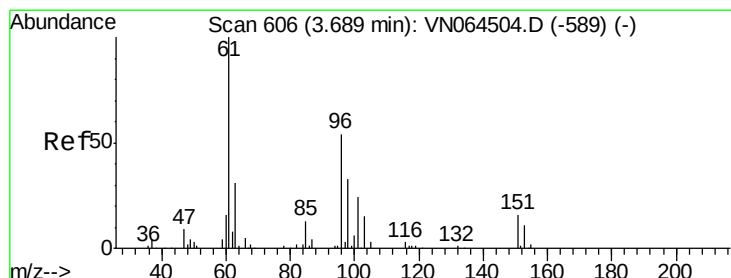
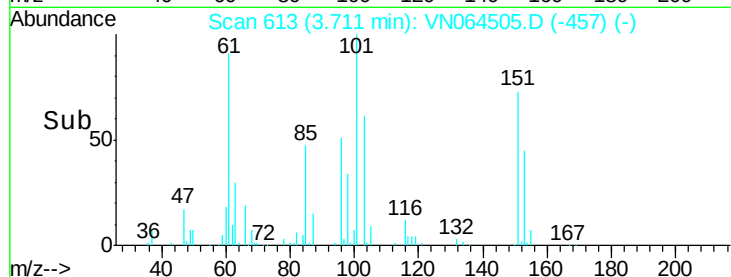
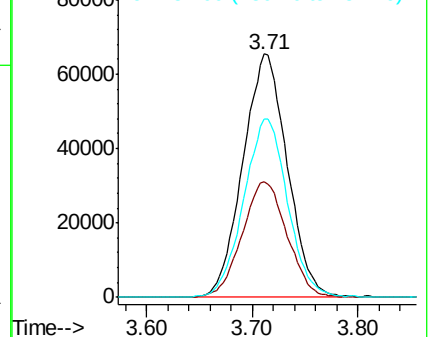
151 72.8 0.0 80.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 52.293 ug/l

RT: 3.69 min Scan# 607

Delta R.T. 0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

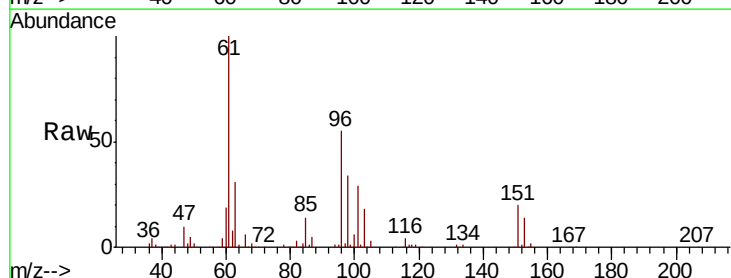
Tgt Ion: 96 Resp: 185655

Ion Ratio Lower Upper

96 100

61 182.3 149.2 223.8

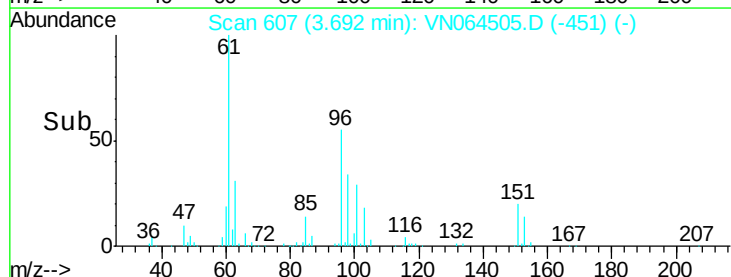
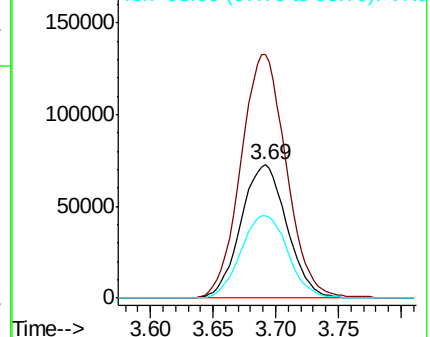
98 61.8 49.6 74.4

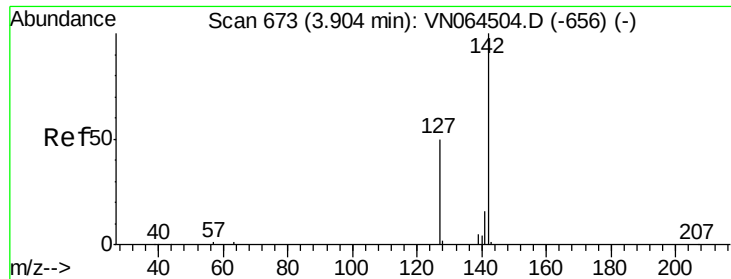


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

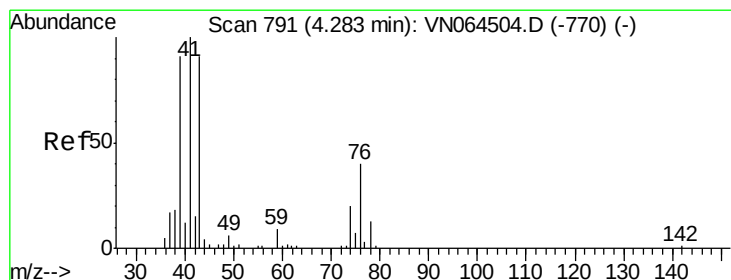
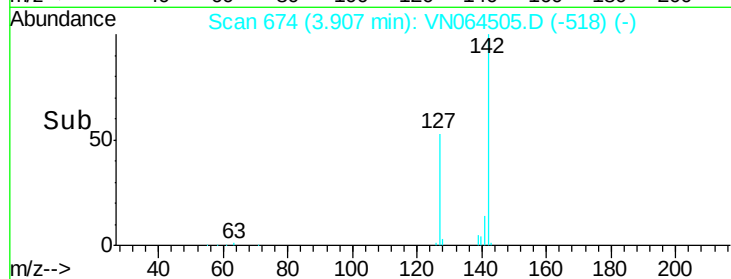
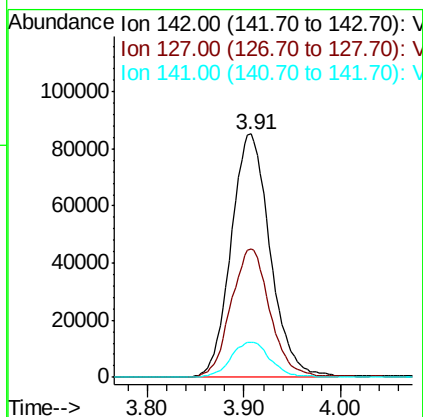
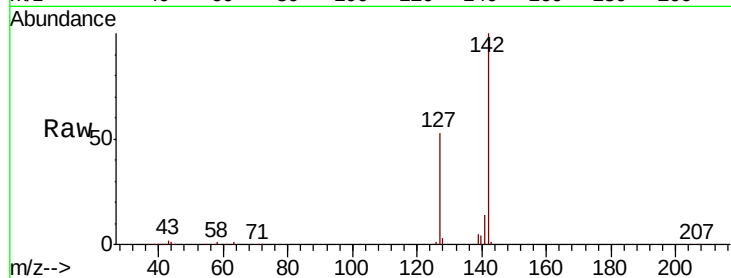




#11
Methvl Iodide
Concen: 51.010 ug/l
RT: 3.91 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

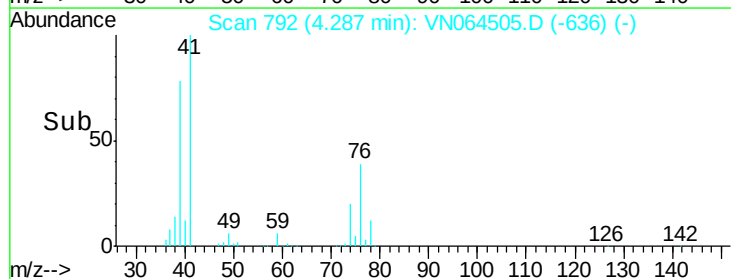
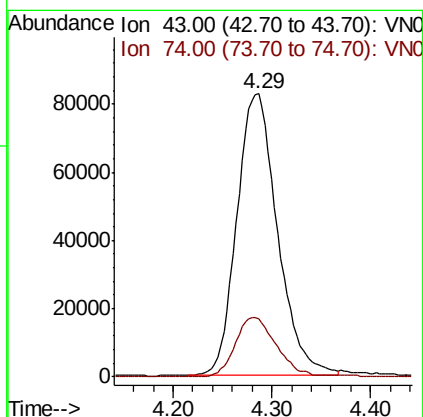
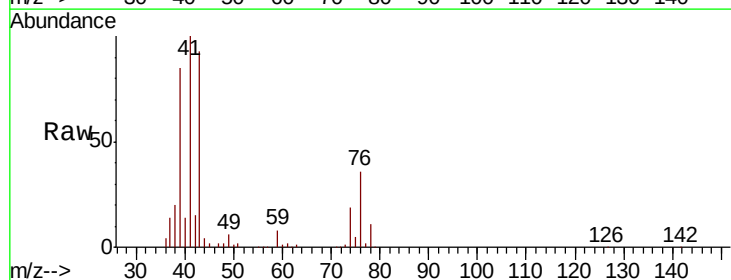
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

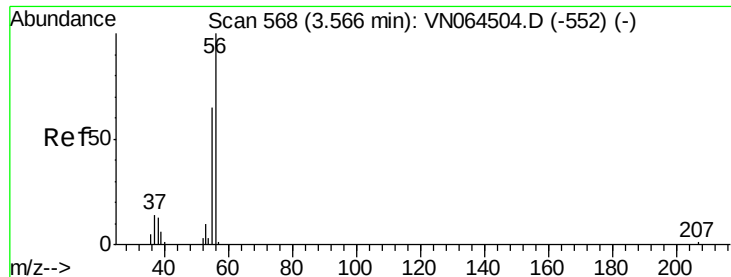
Tot Ion:142 Resp: 239192
Ion Ratio Lower Upper
142 100
127 52.8 24.7 74.1
141 14.4 7.8 23.3



#12
Methyl Acetate
Concen: 61.568 ug/l
RT: 4.29 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

Tgt Ion: 43 Resp: 235292
Ion Ratio Lower Upper
43 100
74 20.4 17.7 26.5





#13

Acrolein

Concen: 307.354 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

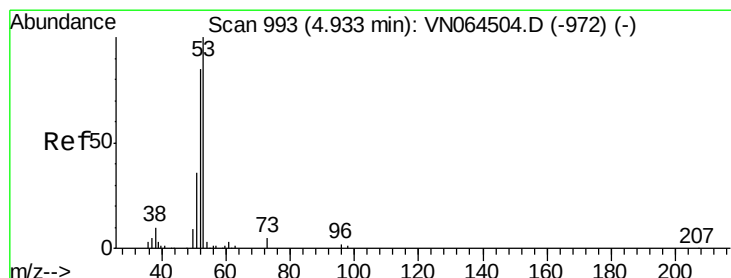
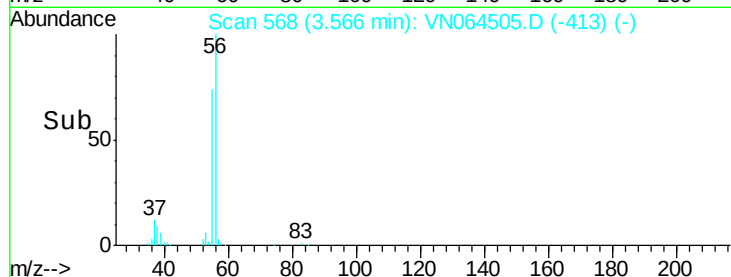
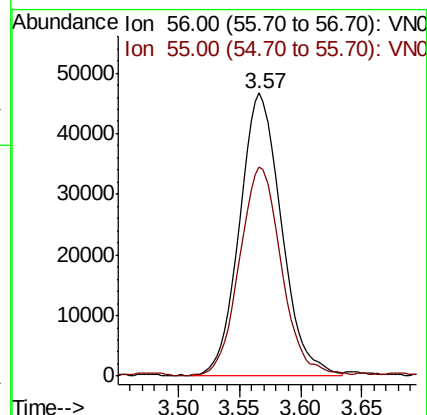
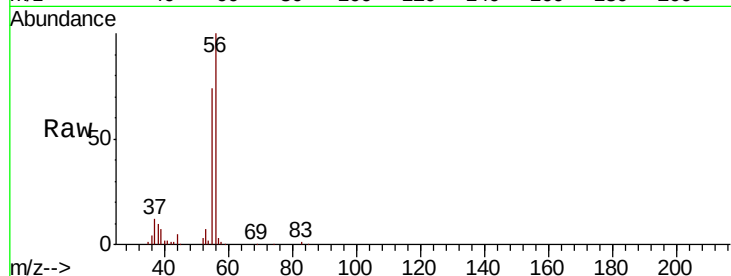
VSTDIC050

Tot Ion: 56 Resp: 111209

Ion Ratio Lower Upper

56 100

55 74.3 58.2 87.2



#14

Acrylonitrile

Concen: 305.821 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

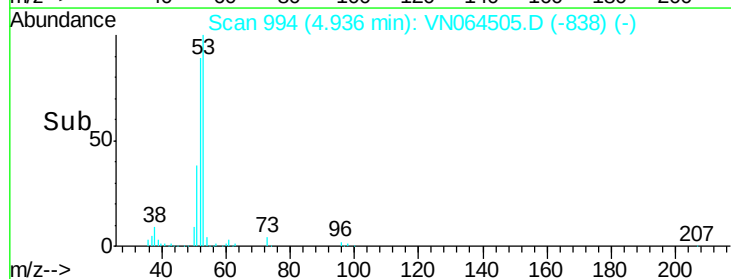
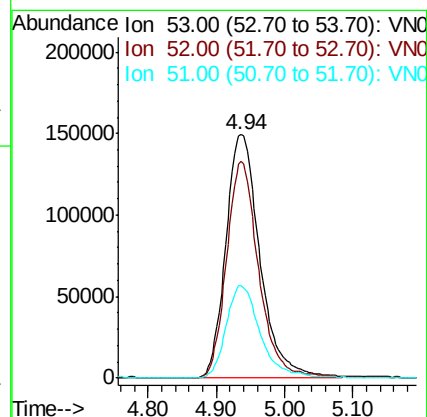
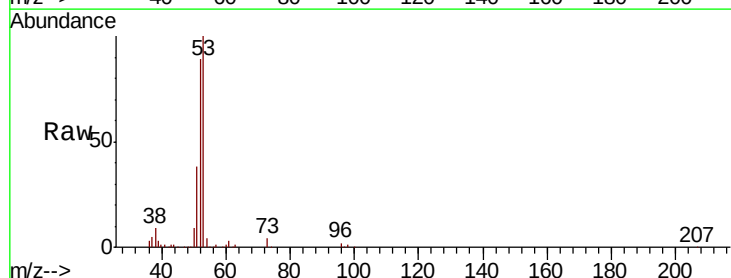
Tgt Ion: 53 Resp: 519944

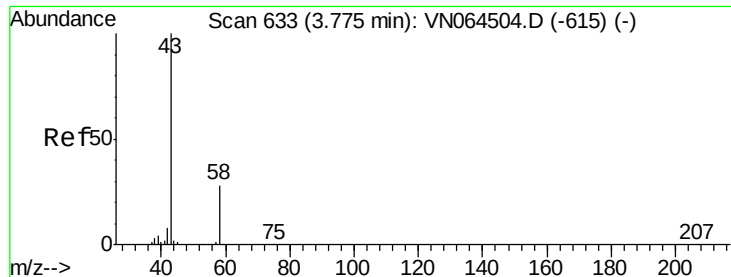
Ion Ratio Lower Upper

53 100

52 83.4 41.3 124.1

51 38.1 18.9 56.5





#15

Acetone

Concen: 297.232 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

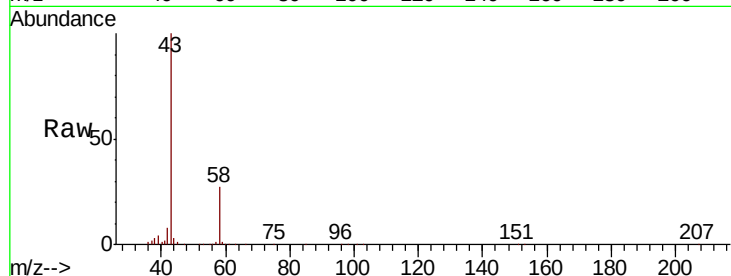
VSTDIC050

Tot Ion: 58 Resp: 174337

Ion Ratio Lower Upper

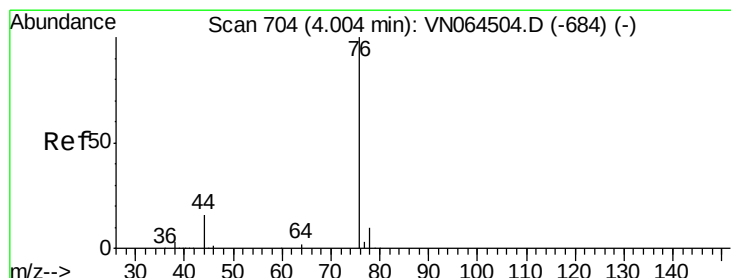
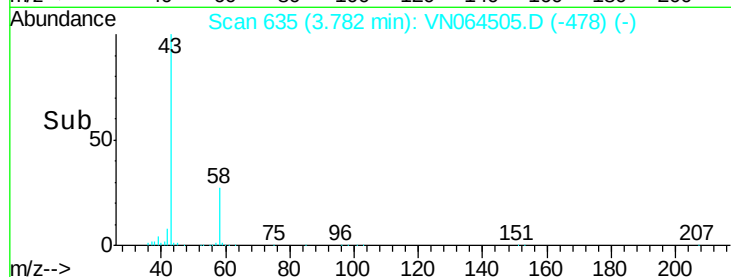
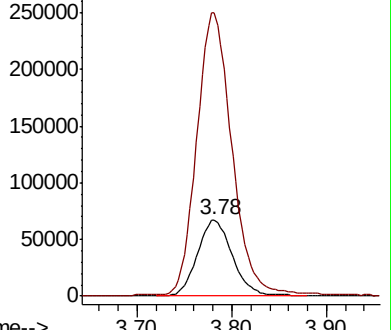
58 100

43 367.3 289.8 434.8



Abundance Ion 58.00 (57.70 to 58.70): VN064504.D (-615) (-)

Ion 43.00 (42.70 to 43.70): VN064504.D (-615) (-)



#16

Carbon Disulfide

Concen: 53.682 ug/l

RT: 4.00 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN064505.D

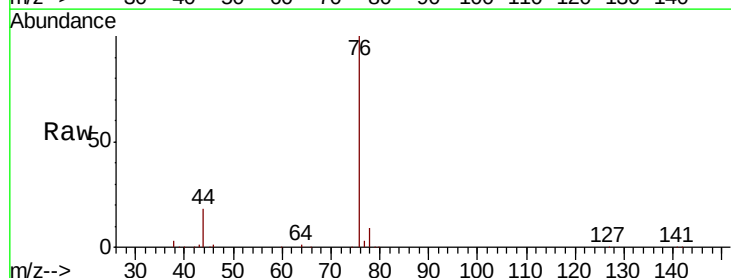
Acq: 9 Nov 2020 12:13

Tgt Ion: 76 Resp: 548558

Ion Ratio Lower Upper

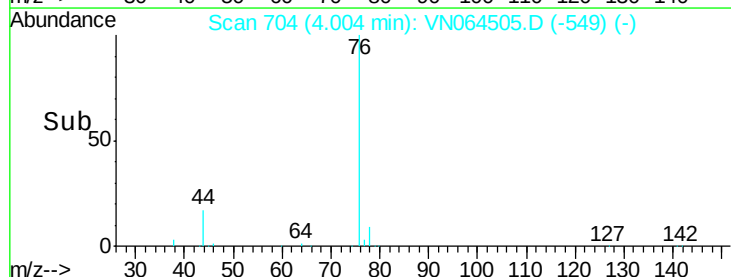
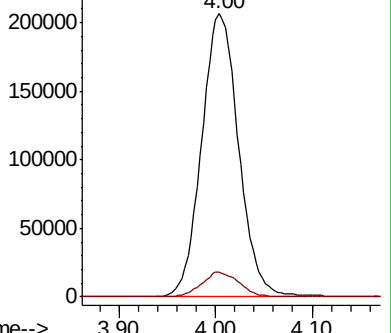
76 100

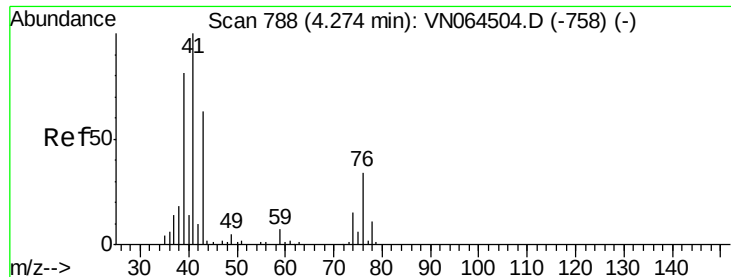
78 8.6 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VN064504.D (-684) (-)

Ion 78.00 (77.70 to 78.70): VN064504.D (-684) (-)

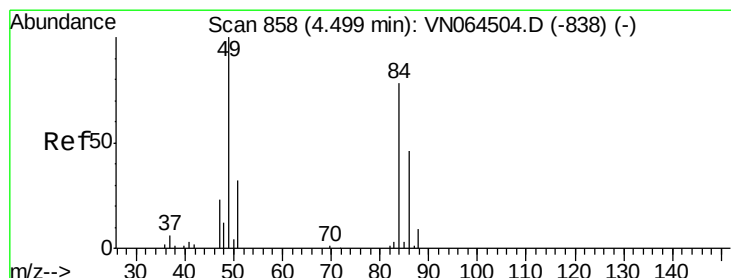
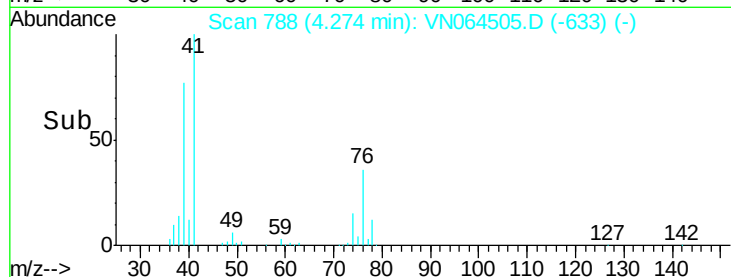
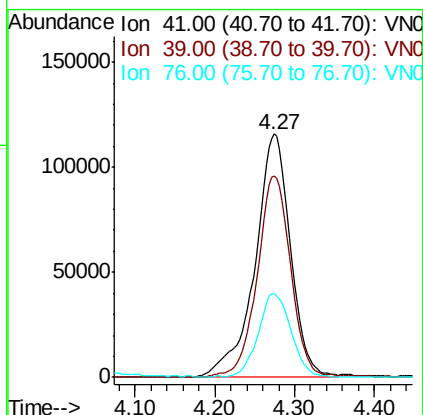
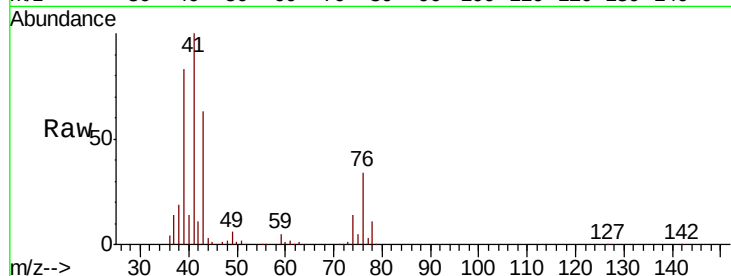




#17
Allvl chloride
Concen: 56.348 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

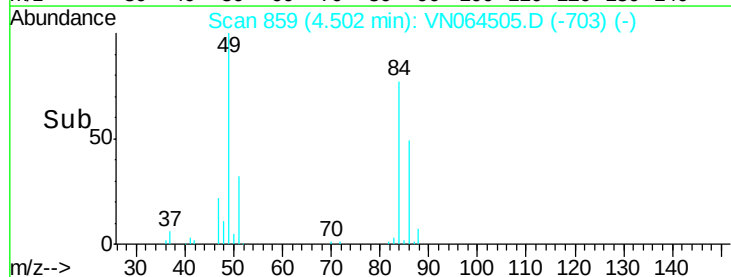
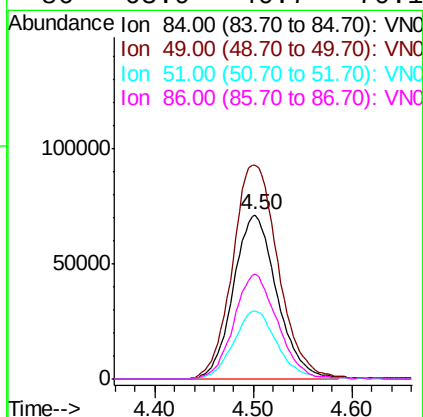
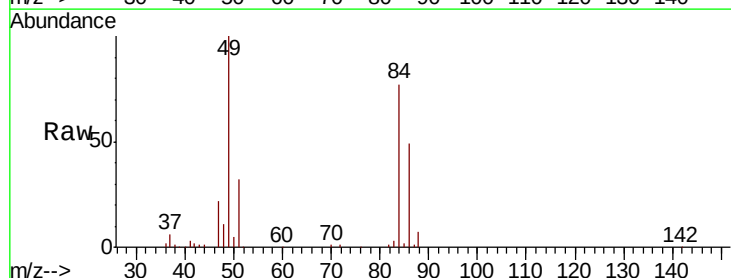
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

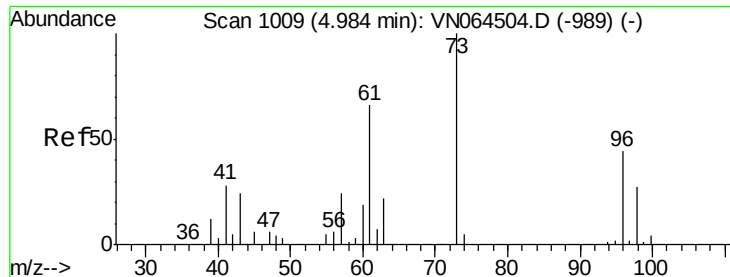
Tot Ion	Ratio	Lower	Upper
41	100		
39	82.7	40.3	120.8
76	33.9	16.8	50.3



#18
Methylene Chloride
Concen: 52.883 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.7	102.1	153.1
51	41.3	32.6	48.8
86	63.9	46.7	70.1

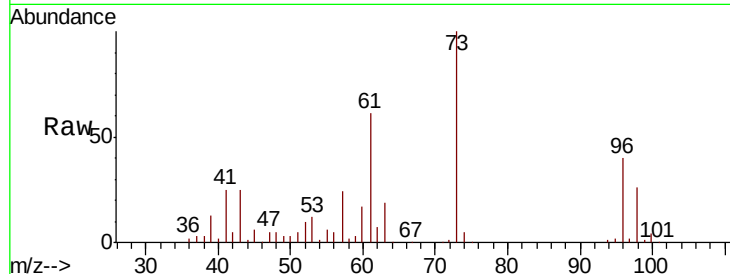




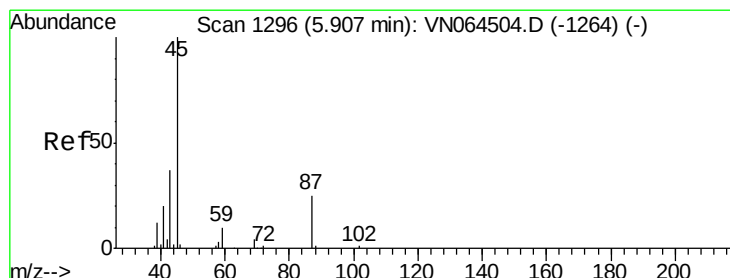
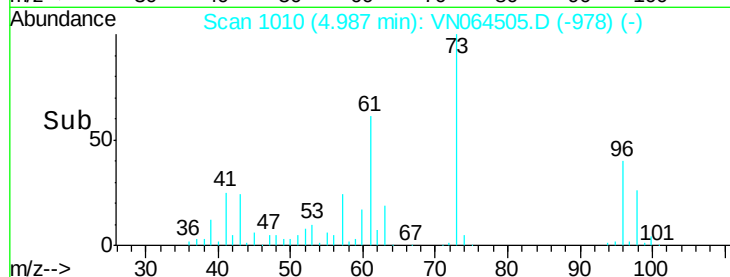
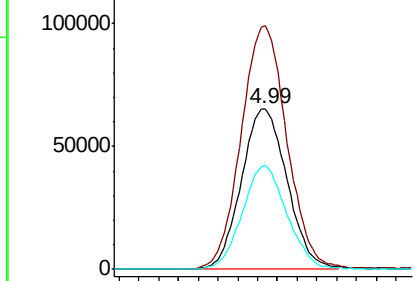
#19
trans-1,2-Dichloroethene
Concen: 53.498 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 96 Resp: 209503
Ion Ratio Lower Upper
96 100
61 151.3 120.1 180.1
98 64.7 49.1 73.7

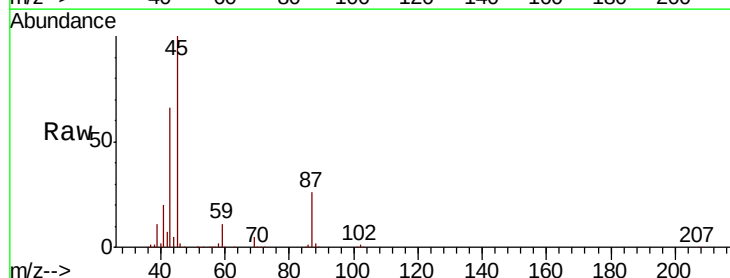


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

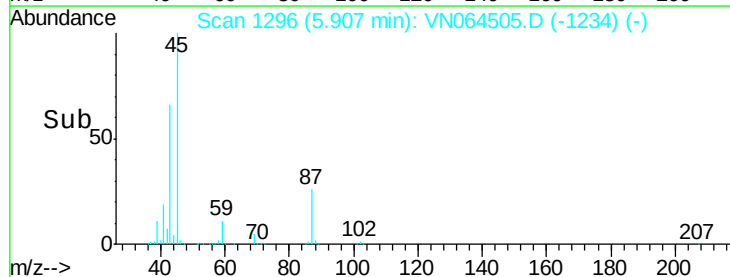
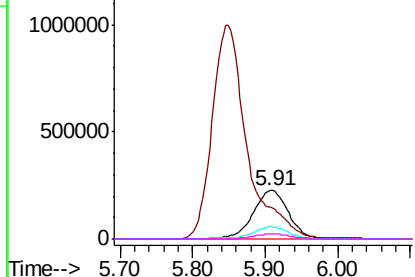


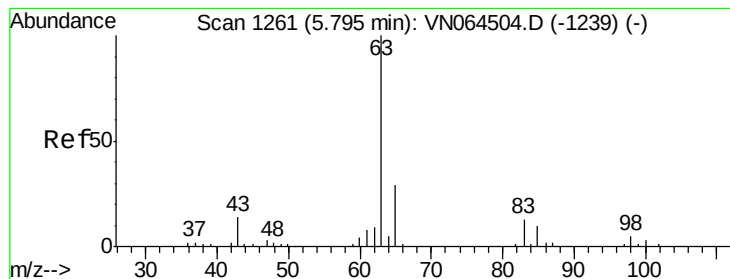
#20
Diisopropyl ether
Concen: 57.463 ug/l
RT: 5.91 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

Tgt Ion: 45 Resp: 770101
Ion Ratio Lower Upper
45 100
43 63.7 53.1 79.7
87 25.7 21.0 31.6
59 10.7 8.2 12.4



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 54.944 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

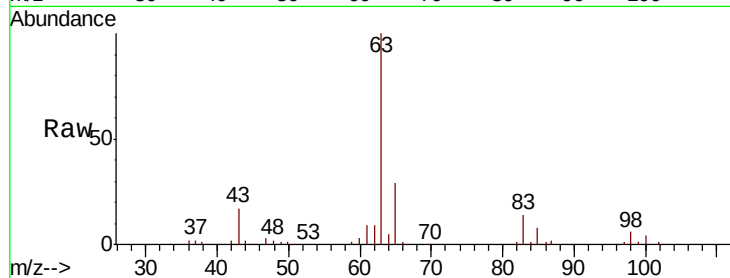
Tot Ion: 63 Resp: 415545

Ion Ratio Lower Upper

63 100

98 5.6 2.6 8.0

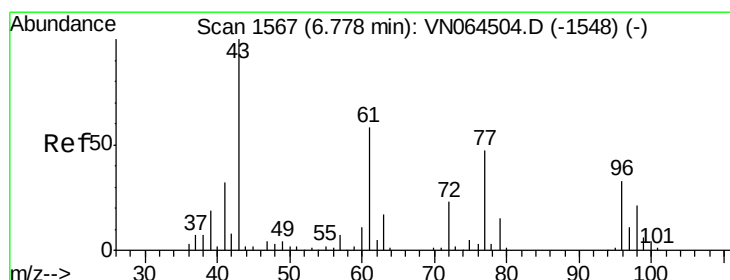
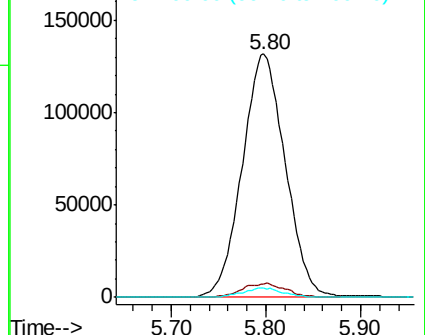
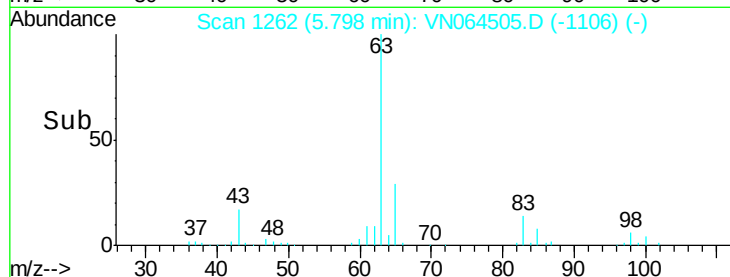
100 3.8 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VN064505.D (-1106) (-)

Ion 98.00 (97.70 to 98.70): VN064505.D (-1106) (-)

Ion 100.00 (99.70 to 100.70): VN064505.D (-1106) (-)



#22

cis-1,2-Dichloroethene

Concen: 52.705 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

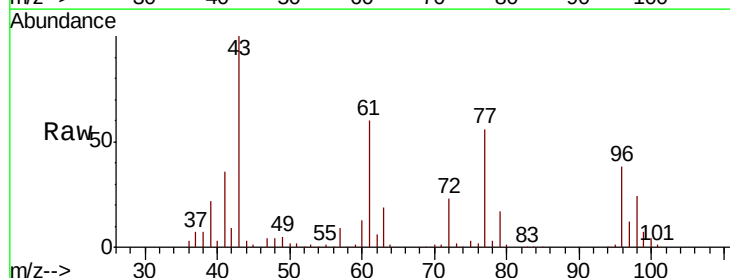
Tgt Ion: 96 Resp: 240766

Ion Ratio Lower Upper

96 100

61 161.7 136.1 204.1

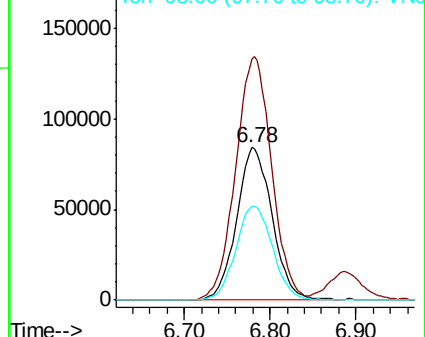
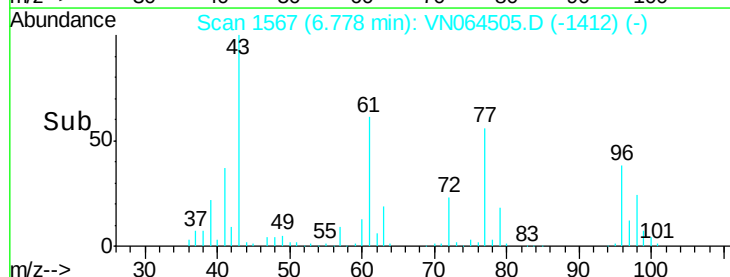
98 63.7 51.8 77.8

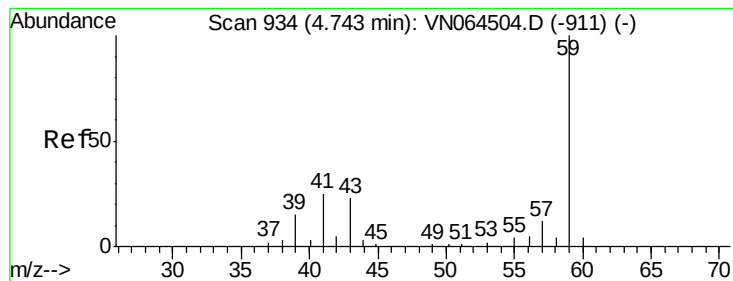


Abundance Ion 96.00 (95.70 to 96.70): VN064505.D (-1412) (-)

Ion 61.00 (60.70 to 61.70): VN064505.D (-1412) (-)

Ion 98.00 (97.70 to 98.70): VN064505.D (-1412) (-)



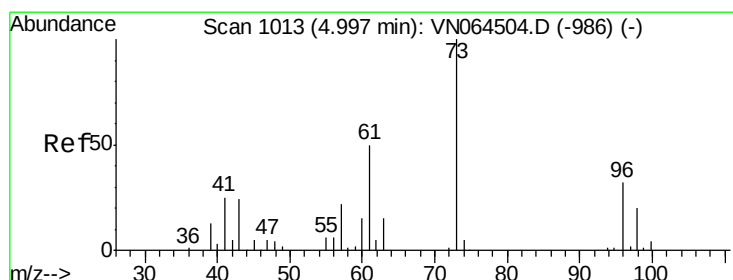
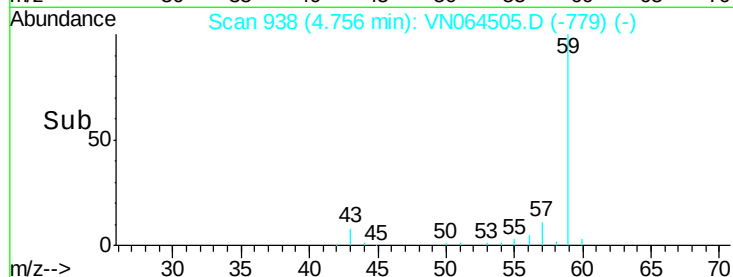
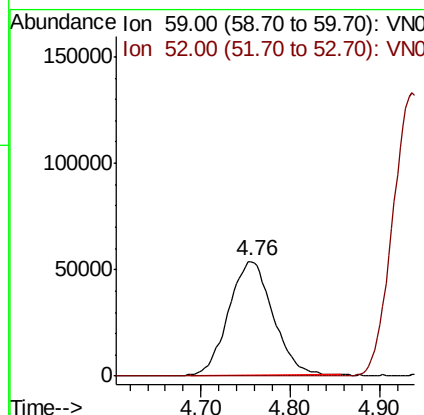
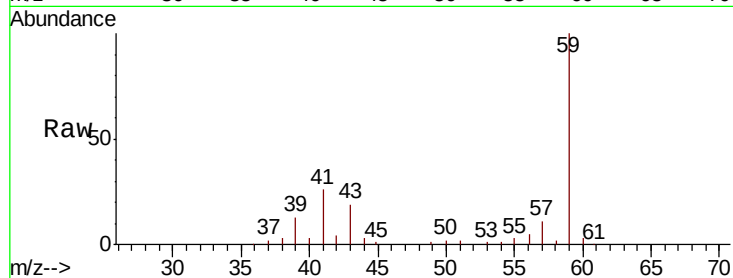


#23

tert-Butyl Alcohol
 Concen: 291.571 ug/l
 RT: 4.76 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VN064505.D
 Acq: 9 Nov 2020 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

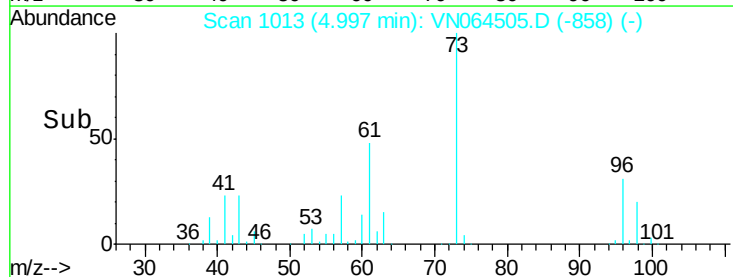
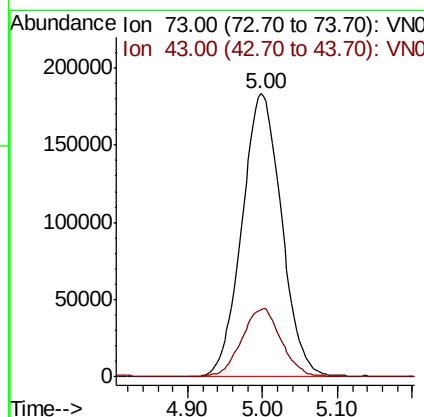
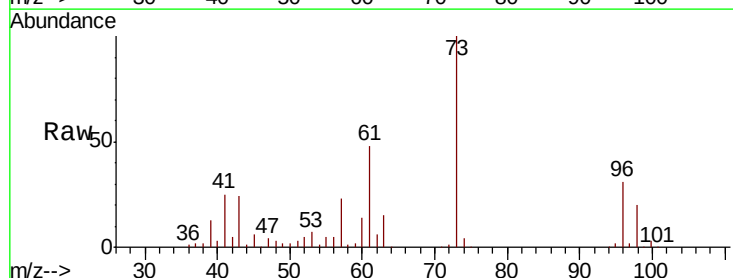
Tot Ion: 59 Resp: 185498
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0#

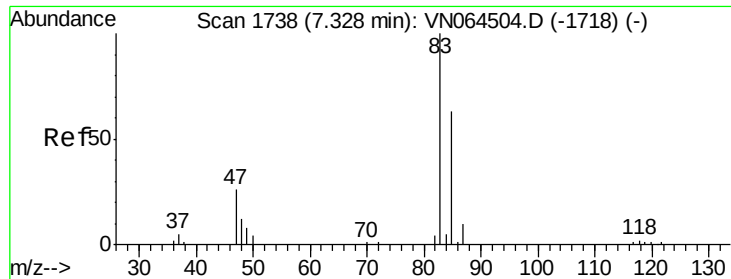


#24

Methyl tert-Butyl Ether
 Concen: 53.653 ug/l
 RT: 5.00 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VN064505.D
 Acq: 9 Nov 2020 12:13

Tgt Ion: 73 Resp: 675127
 Ion Ratio Lower Upper
 73 100
 43 23.7 10.2 15.2#

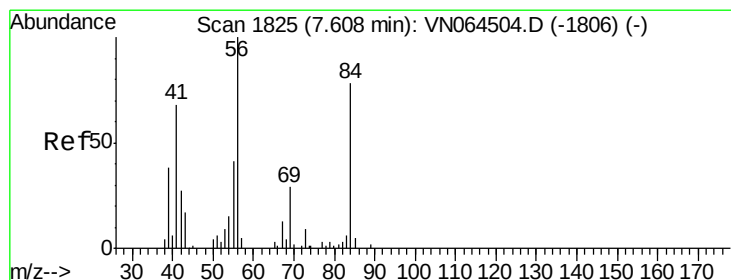
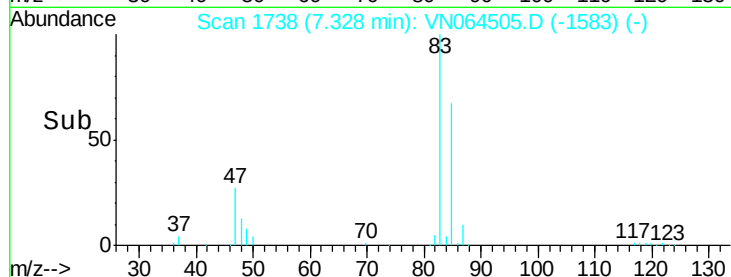
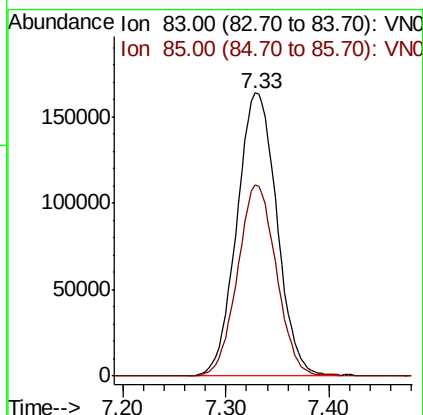
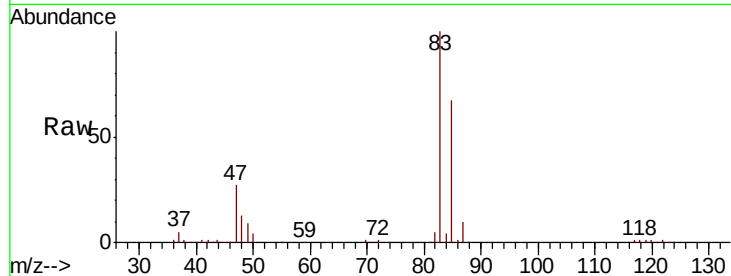




#25
Chloroform
Concen: 54.413 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

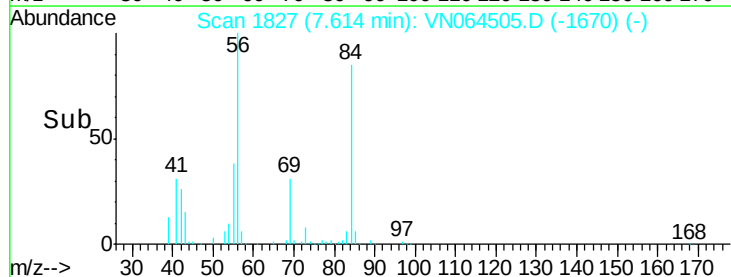
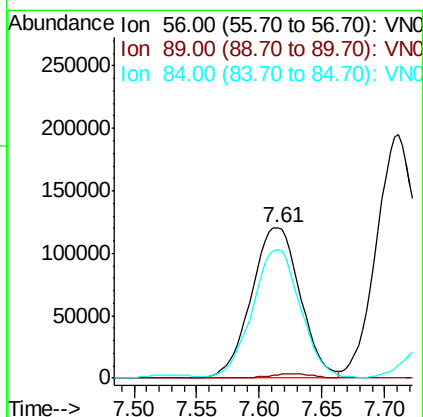
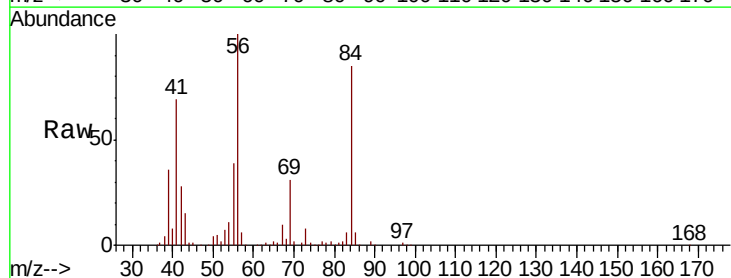
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

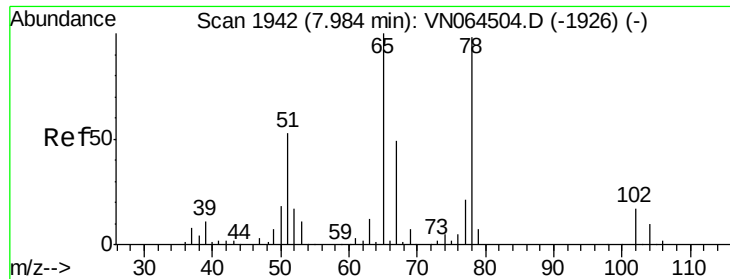
Tot Ion: 83 Resp: 441200
Ion Ratio Lower Upper
83 100
85 67.4 50.6 75.8



#26
Cyclohexane
Concen: 54.851 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

Tgt Ion: 56 Resp: 327562
Ion Ratio Lower Upper
56 100
89 2.6 0.6 0.8#
84 82.8 66.1 99.1

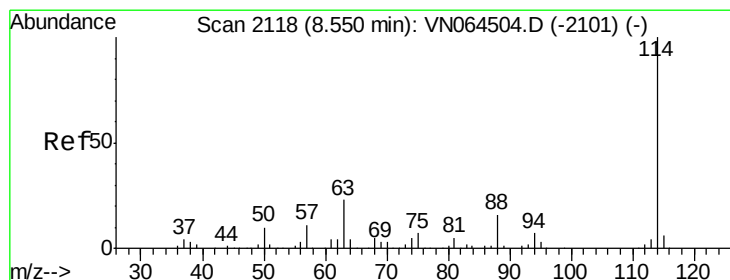
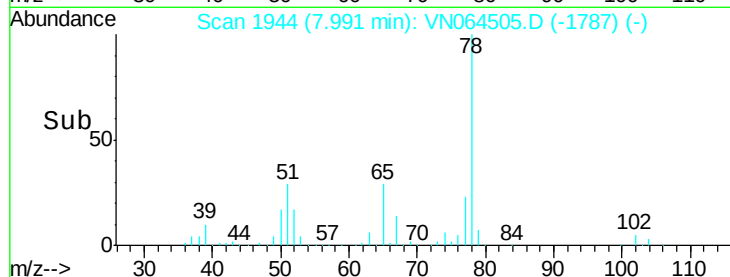
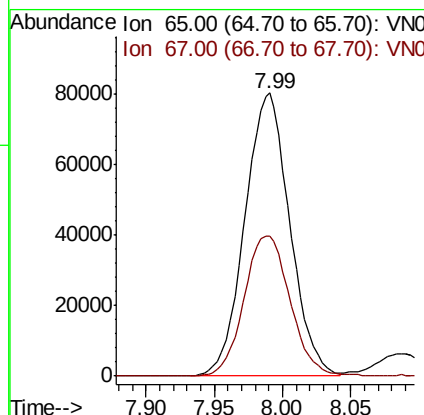
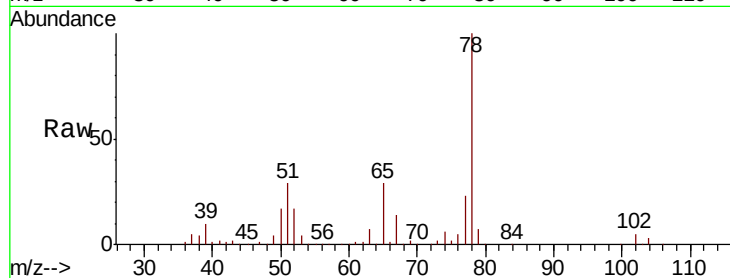




#27
 1,2-Dichloroethane-d4
 Concen: 33.666 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.01 min
 Lab File: VN064505.D
 Acq: 9 Nov 2020 12:13

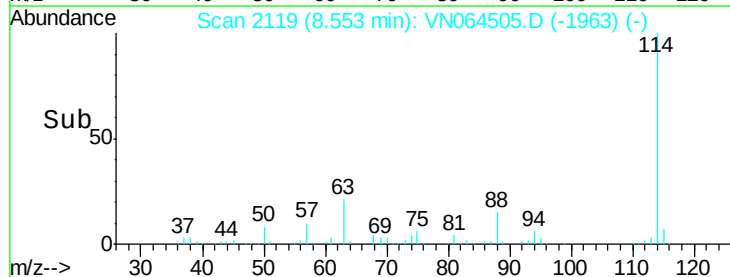
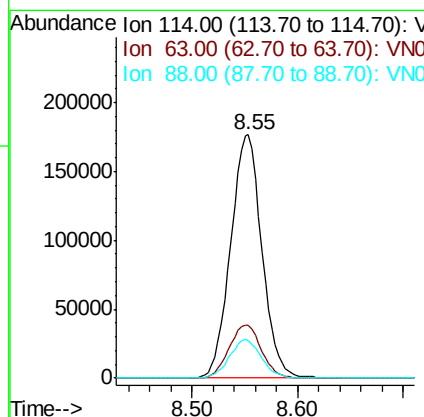
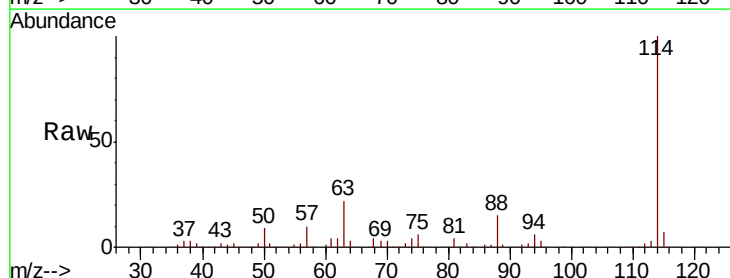
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

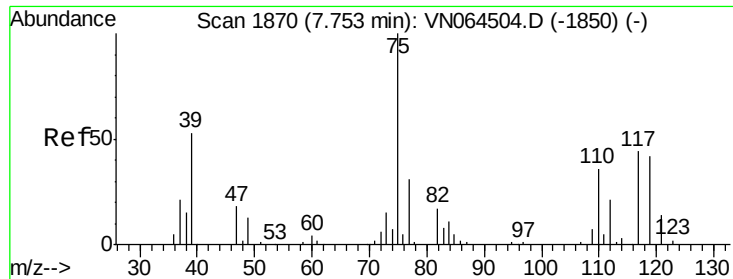
Tot Ion: 65 Resp: 183229
 Ion Ratio Lower Upper
 65 100
 67 50.8 41.1 61.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064505.D
 Acq: 9 Nov 2020 12:13

Tgt Ion: 114 Resp: 362328
 Ion Ratio Lower Upper
 114 100
 63 22.6 18.5 27.7
 88 16.1 13.0 19.6





#29

1,1-Dichloropropene

Concen: 54.292 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

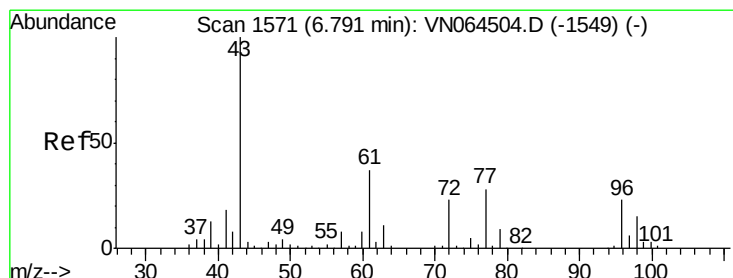
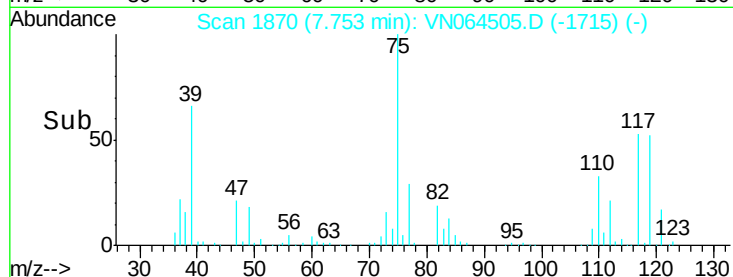
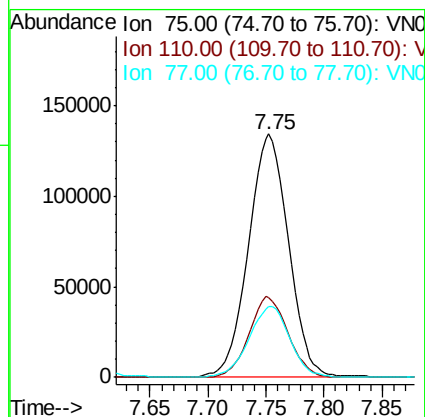
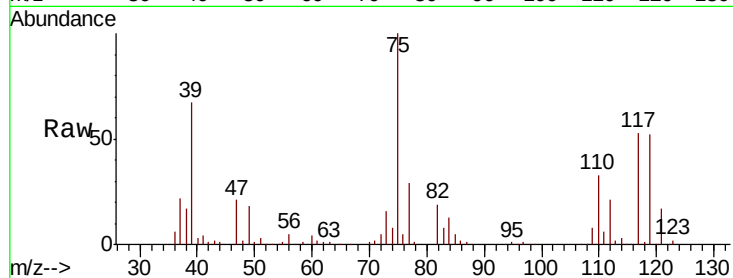
Tot Ion: 75 Resp: 321649

Ion Ratio Lower Upper

75 100

110 32.5 0.0 66.4

77 29.7 0.0 62.0



#30

2-Butanone

Concen: 308.094 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

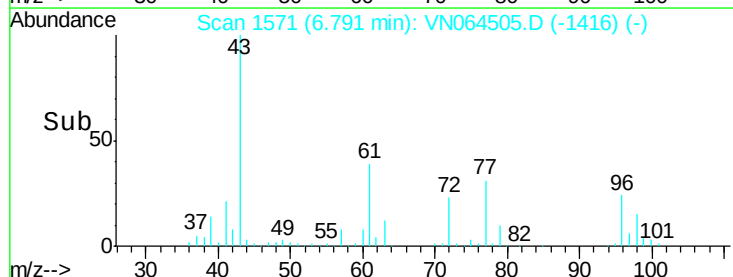
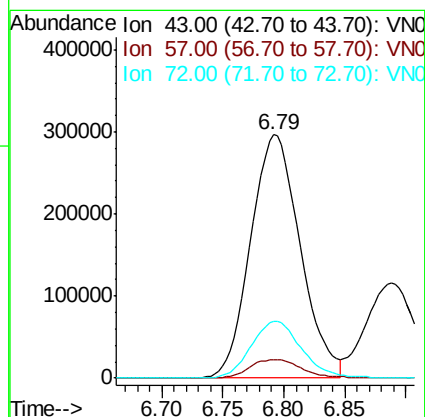
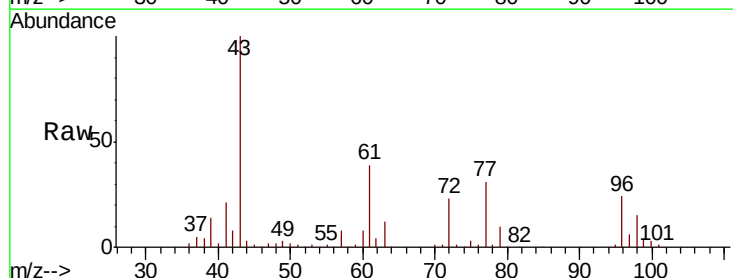
Tgt Ion: 43 Resp: 834968

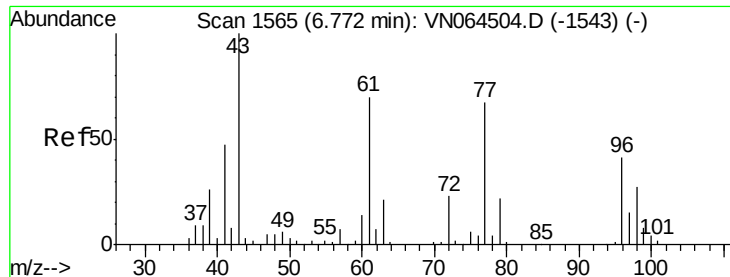
Ion Ratio Lower Upper

43 100

57 7.9 6.2 9.4

72 23.8 9.9 14.9#





#31

2,2-Dichloropropane

Concen: 53.501 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

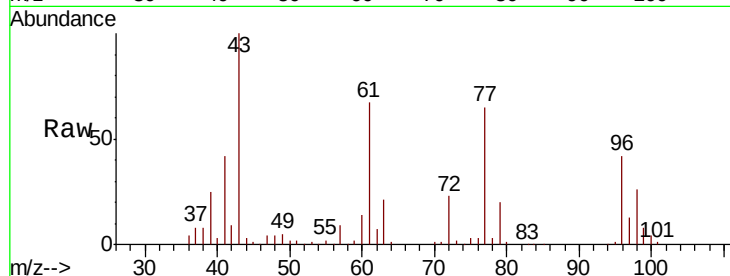
VSTDIC050

Tot Ion: 77 Resp: 385666

Ion Ratio Lower Upper

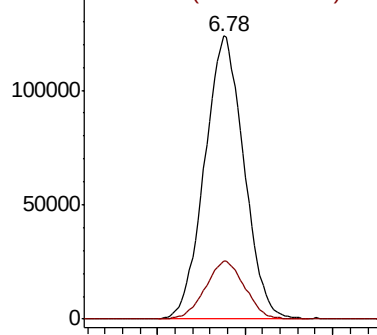
77 100

97 20.5 16.9 25.3

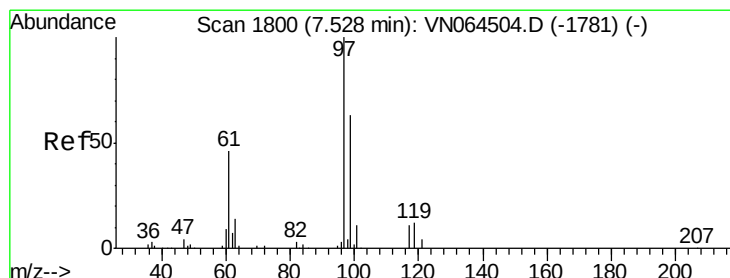
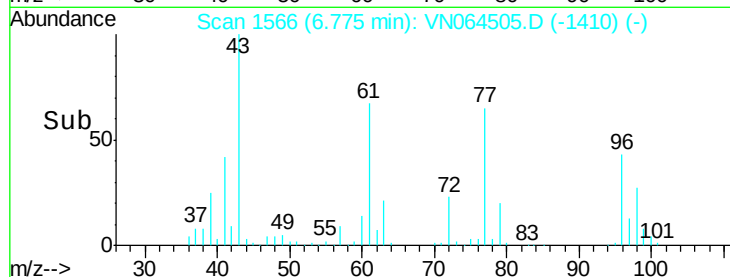


Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



Time-->



#32

1,1,1-Trichloroethane

Concen: 52.227 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

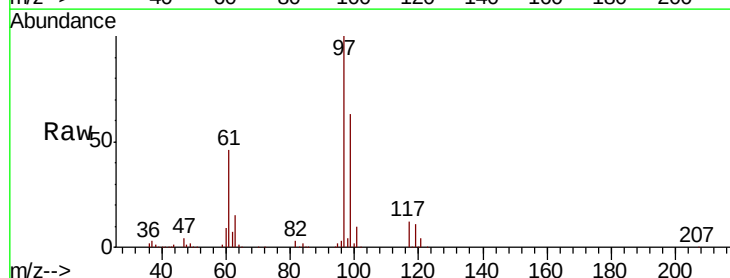
Tgt Ion: 97 Resp: 398025

Ion Ratio Lower Upper

97 100

99 63.4 51.8 77.8

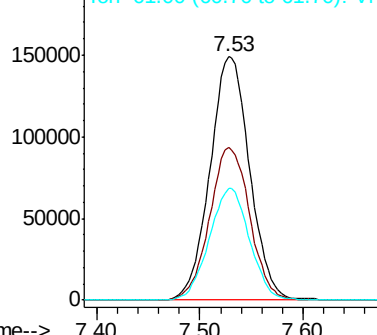
61 46.5 39.4 59.0



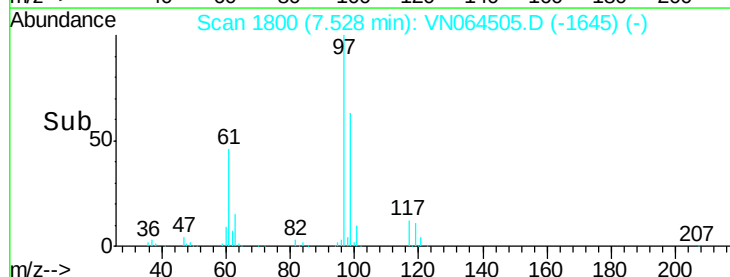
Abundance Ion 97.00 (96.70 to 97.70): VN0

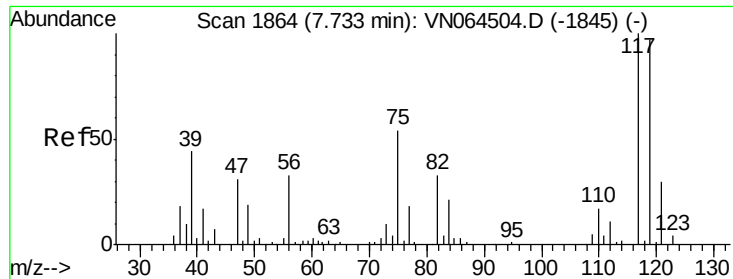
Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



Time-->

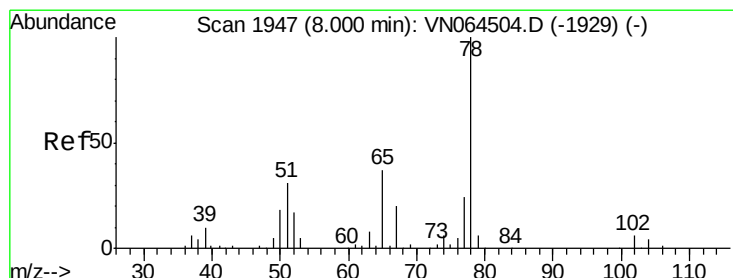
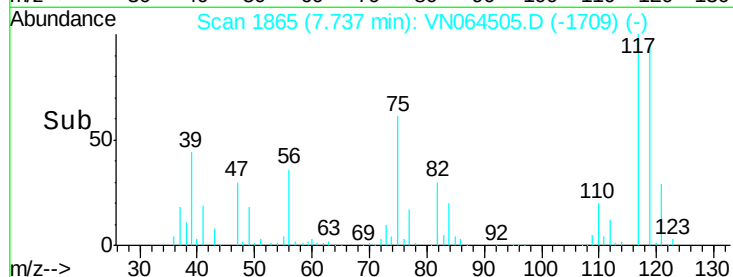
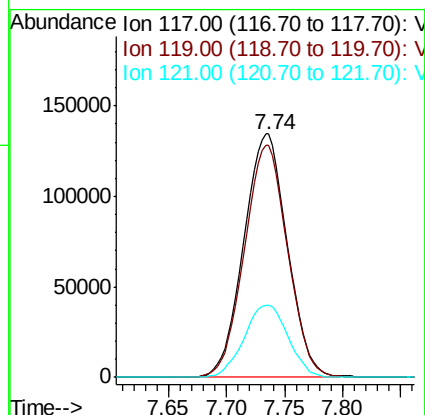
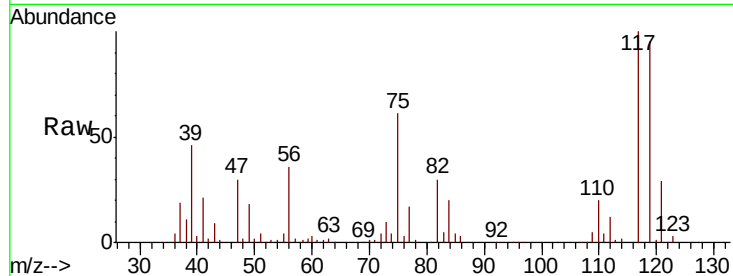




#33
Carbon Tetrachloride
Concen: 51.149 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

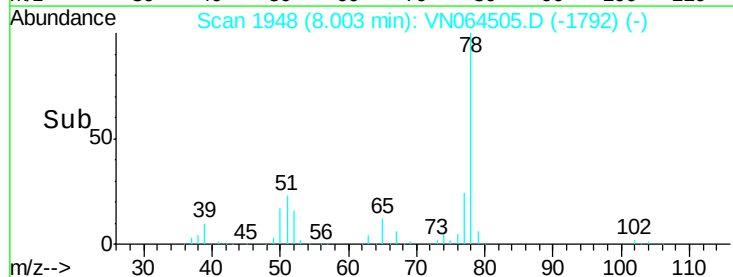
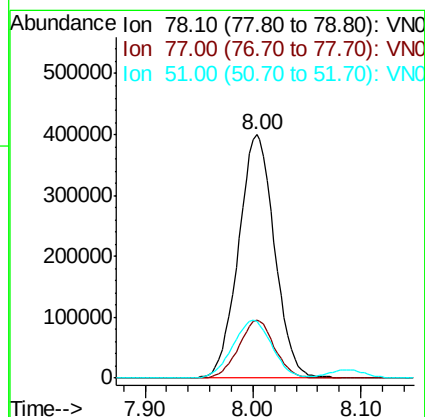
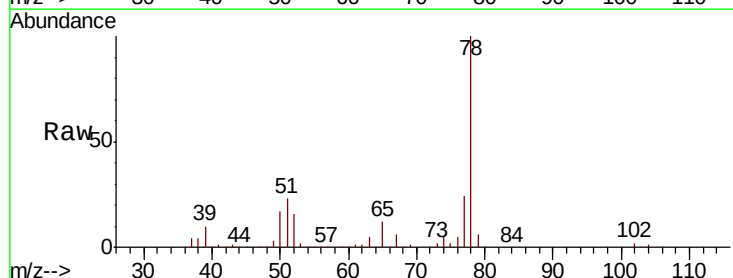
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

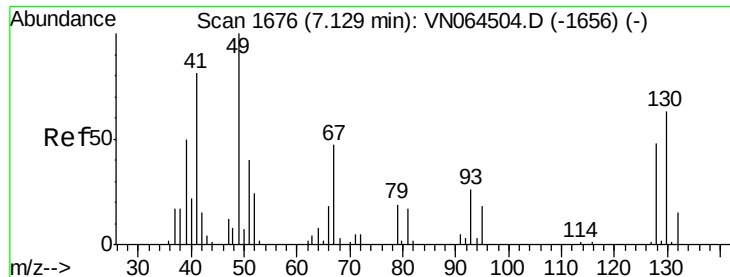
Tot Ion:117 Resp: 350753
Ion Ratio Lower Upper
117 100
119 94.9 77.9 116.9
121 29.5 24.0 36.0



#34
Benzene
Concen: 55.485 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

Tgt Ion: 78 Resp: 928786
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3
51 23.2 24.6 36.8#

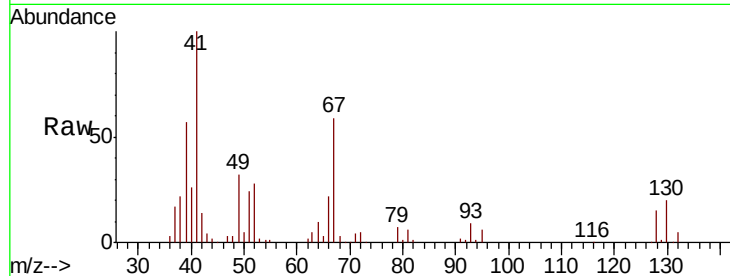




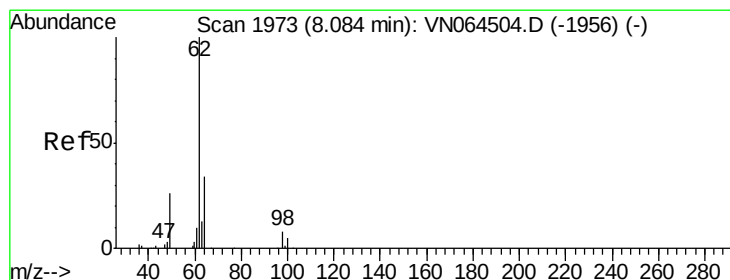
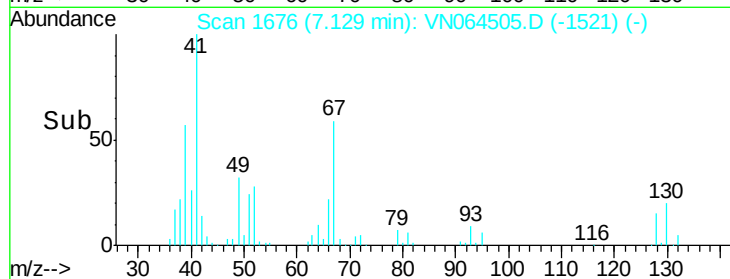
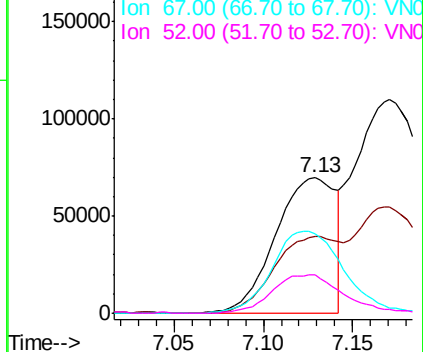
#35
Methacrylonitrile
Concen: 61.286 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion:	41	Resp:	161821
Ion	Ratio	Lower	Upper
41	100		
39	56.7	30.0	90.1
67	58.7	29.2	87.6
52	27.8	14.9	44.9

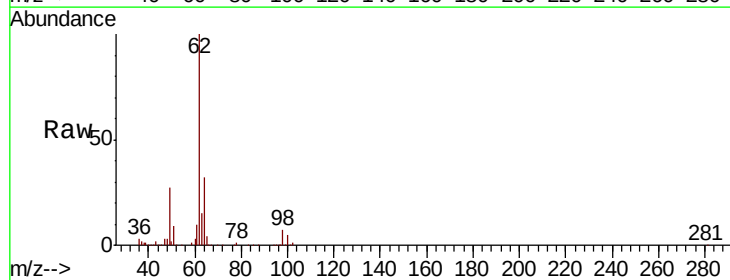


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

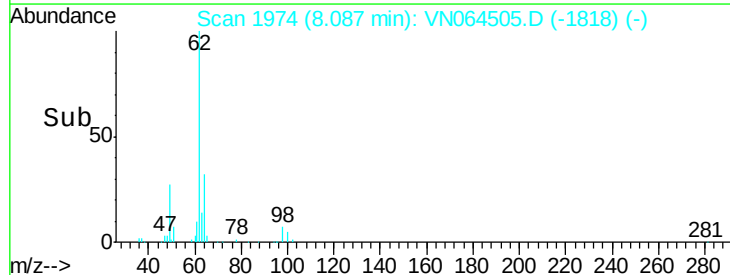
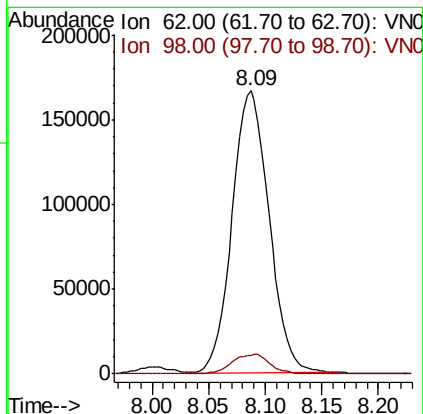


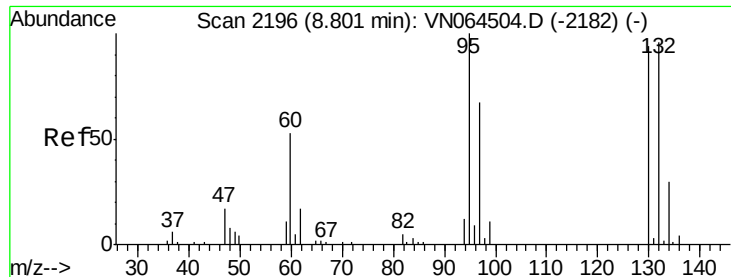
#36
1,2-Dichloroethane
Concen: 54.945 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

Tgt Ion:	62	Resp:	379408
Ion	Ratio	Lower	Upper
62	100		
98	7.2	5.5	8.3



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

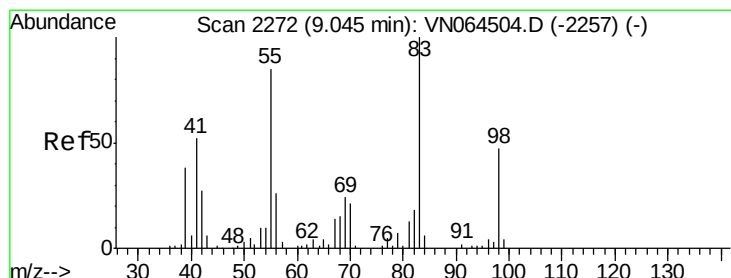
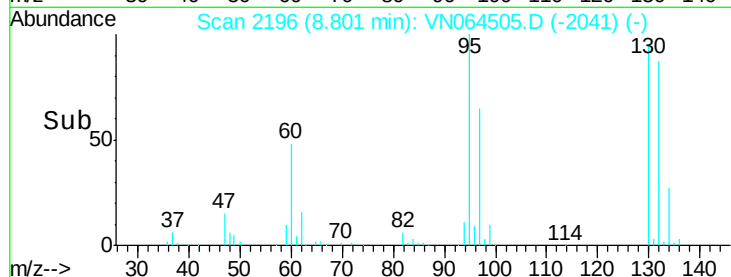
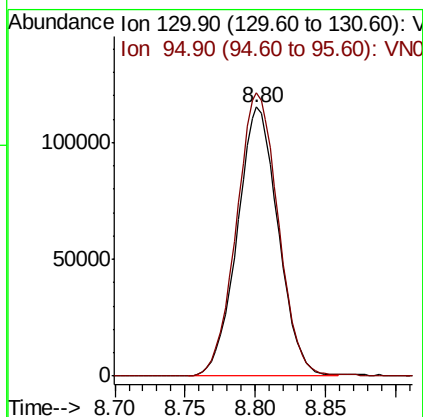
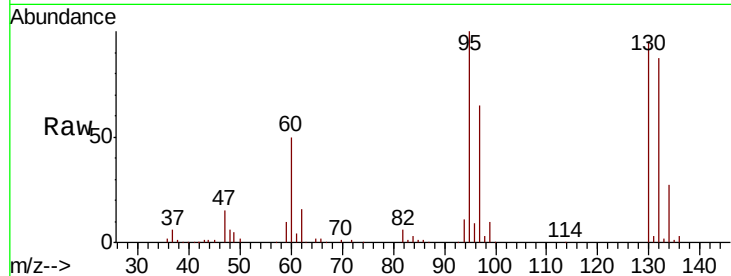




#37
 Trichloroethene
 Concen: 50.674 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN064505.D
 Acq: 9 Nov 2020 12:13

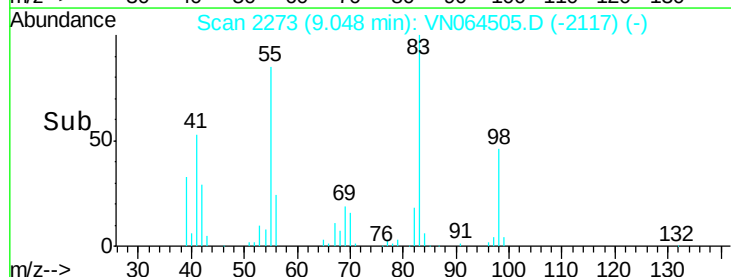
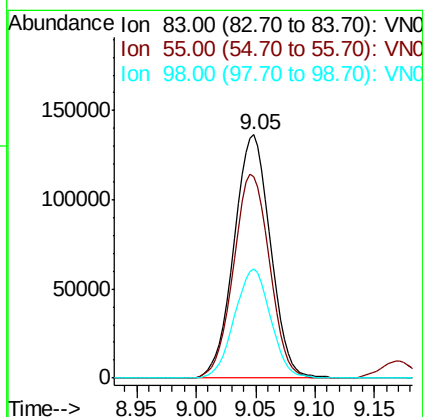
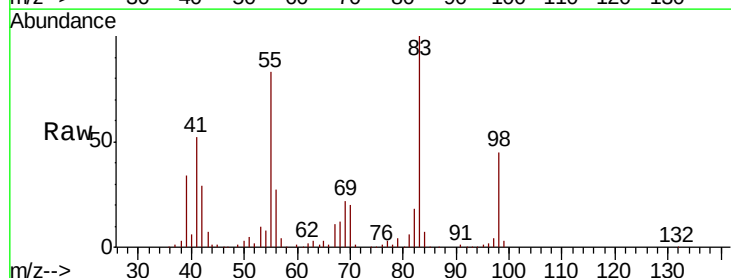
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

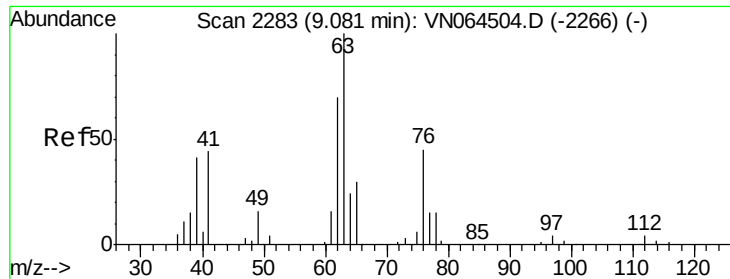
Tot Ion:130 Resp: 233958
 Ion Ratio Lower Upper
 130 100
 95 105.3 85.1 127.7



#38
 Methylcyclohexane
 Concen: 54.395 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN064505.D
 Acq: 9 Nov 2020 12:13

Tgt Ion: 83 Resp: 289679
 Ion Ratio Lower Upper
 83 100
 55 83.2 42.0 126.1
 98 44.7 22.5 67.5





#39

1,2-Dichloropropane

Concen: 57.768 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

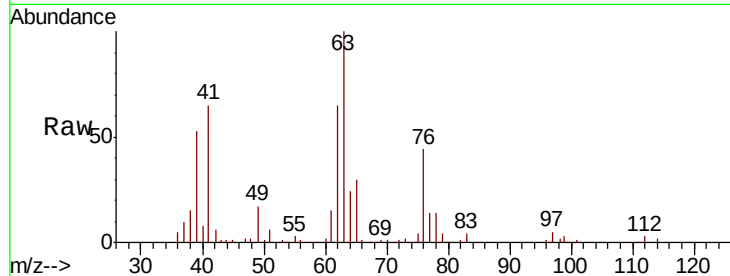
VSTDIC050

Tot Ion: 63 Resp: 251344

Ion Ratio Lower Upper

63 100

65 29.6 24.4 36.6



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

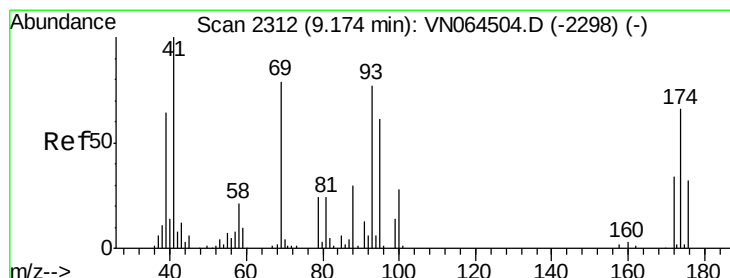
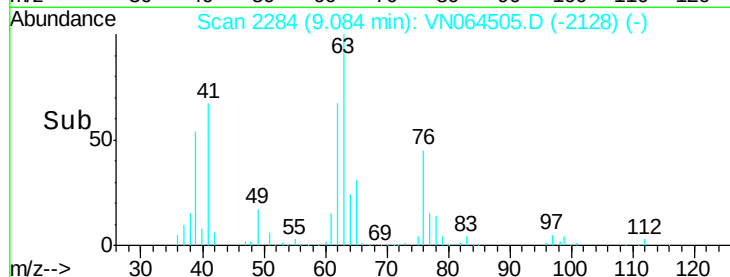
9.08

100000

50000

0

Time-->



#40

Dibromomethane

Concen: 55.281 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

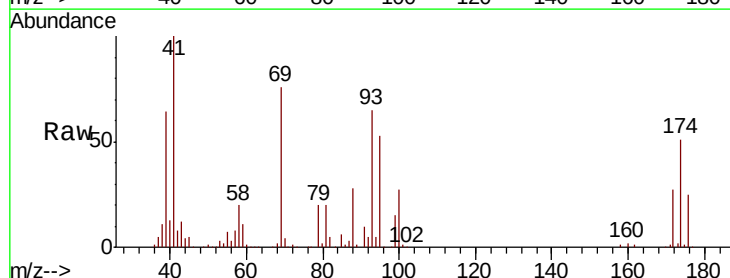
Tgt Ion: 93 Resp: 171614

Ion Ratio Lower Upper

93 100

95 82.1 0.0 164.6

174 82.8 0.0 165.6



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

9.17

100000

80000

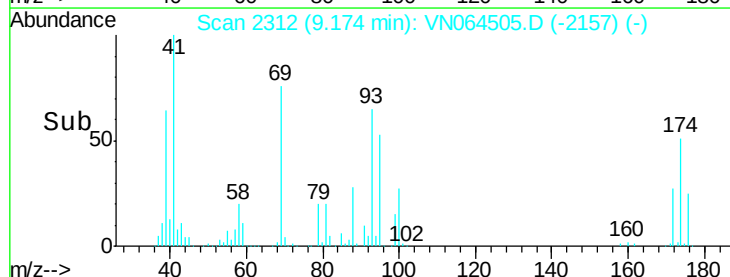
60000

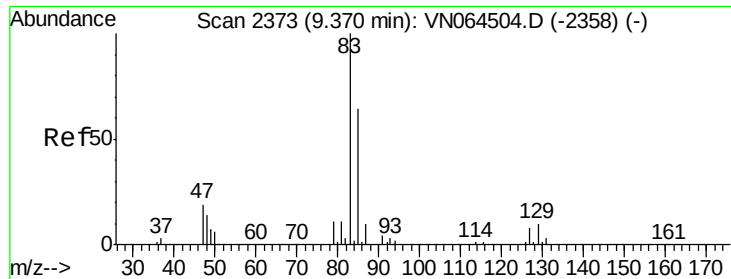
40000

20000

0

Time-->





#41

Bromodichloromethane

Concen: 55.373 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

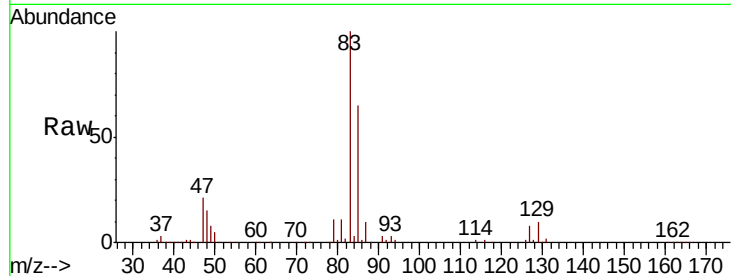
Tot Ion: 83 Resp: 364425

Ion Ratio Lower Upper

83 100

85 65.3 51.0 76.4

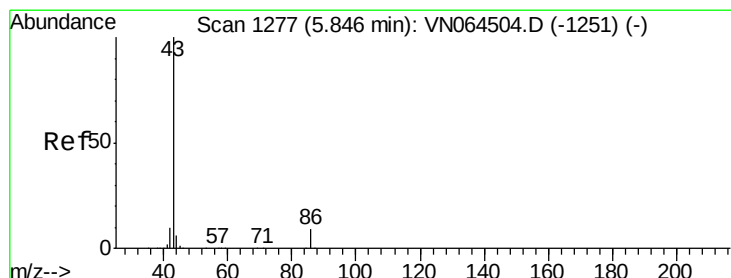
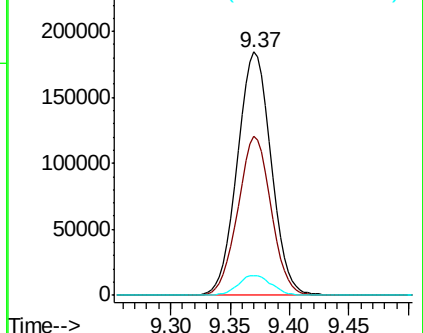
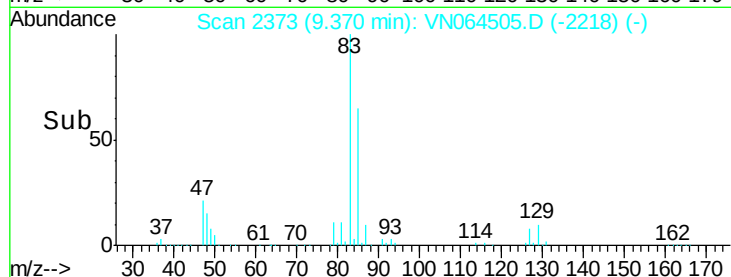
127 8.2 6.2 9.4



Abundance Ion 83.00 (82.70 to 83.70): VN064505.D (-2218) (-)

Ion 85.00 (84.70 to 85.70): VN064505.D (-2218) (-)

Ion 127.00 (126.70 to 127.70): VN064505.D (-2218) (-)



#42

Vinyl Acetate

Concen: 293.452 ug/l

RT: 5.85 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VN064505.D

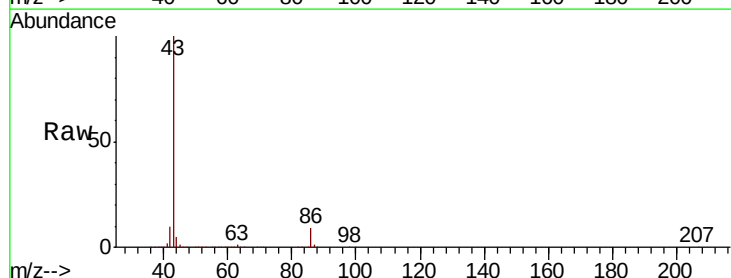
Acq: 9 Nov 2020 12:13

Tgt Ion: 43 Resp: 3328646

Ion Ratio Lower Upper

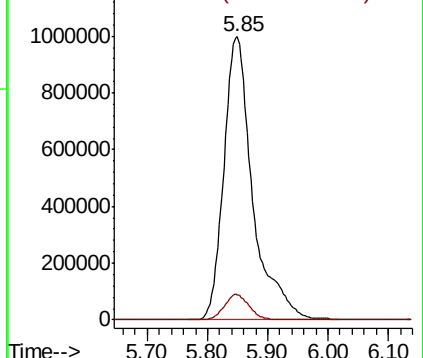
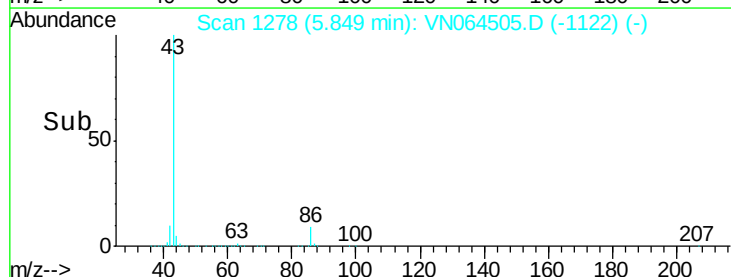
43 100

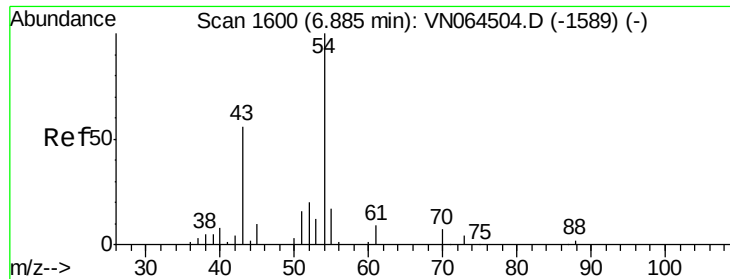
86 7.8 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VN064505.D (-1122) (-)

Ion 86.00 (85.70 to 86.70): VN064505.D (-1122) (-)

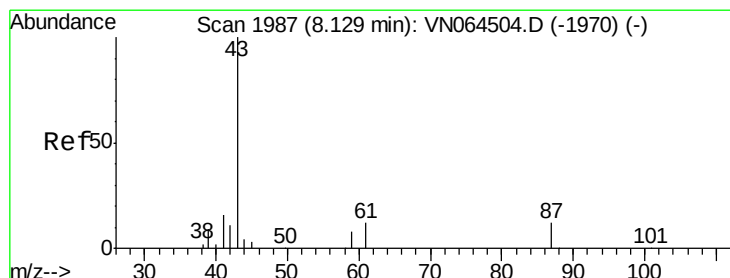
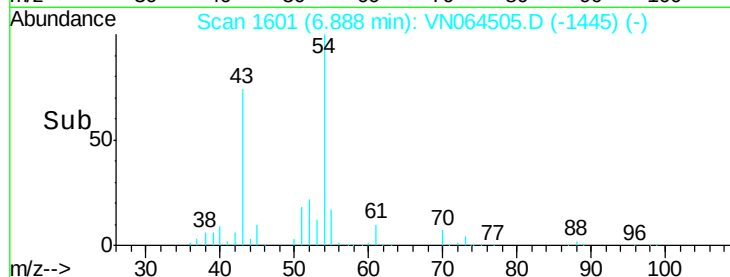
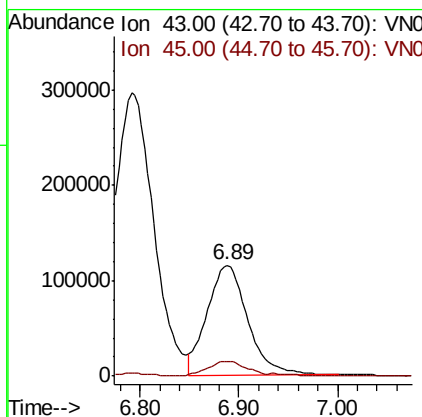
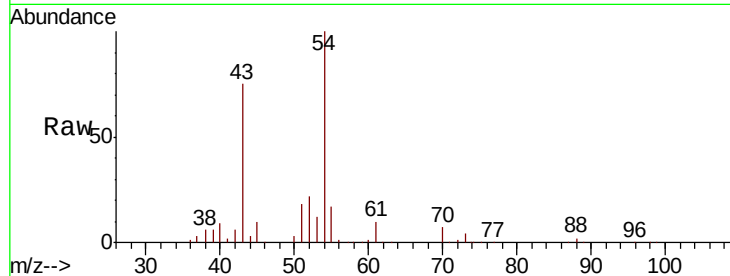




#43
Ethyl Acetate
Concen: 62.653 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

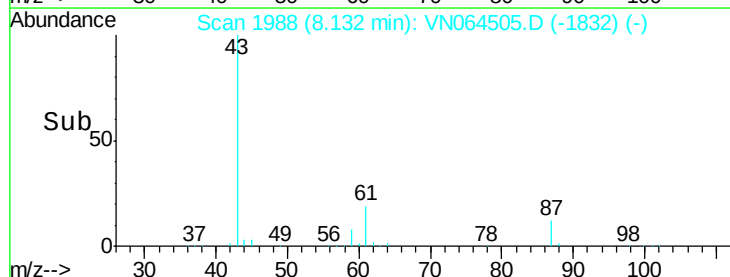
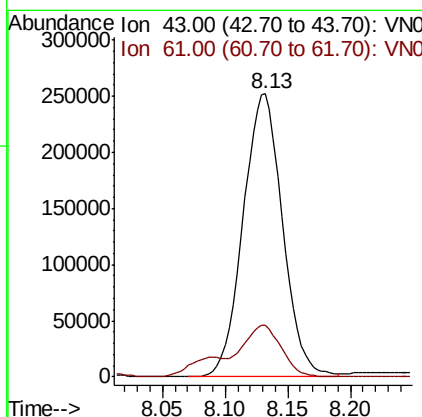
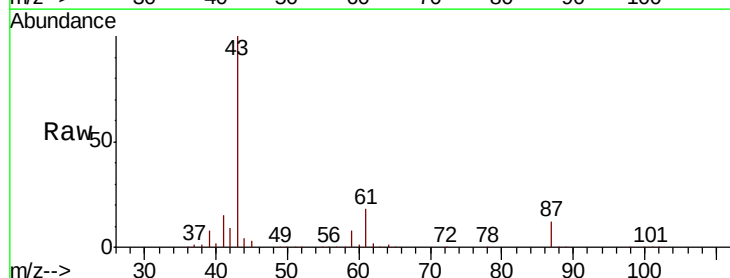
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

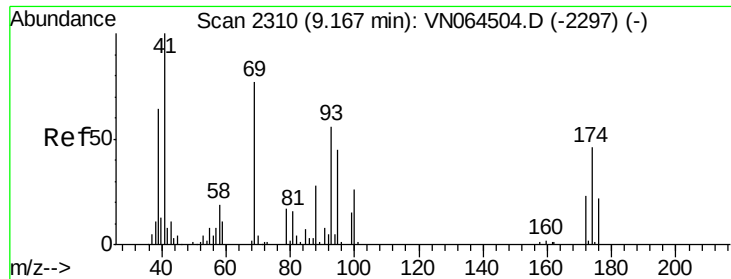
Tot Ion: 43 Resp: 329787
Ion Ratio Lower Upper
43 100
45 12.3 10.9 16.3



#44
Isopropyl Acetate
Concen: 59.735 ug/l
RT: 8.13 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

Tgt Ion: 43 Resp: 549865
Ion Ratio Lower Upper
43 100
61 17.5 13.0 19.4





#45

1,4-Dioxane

Concen: 1248.472 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

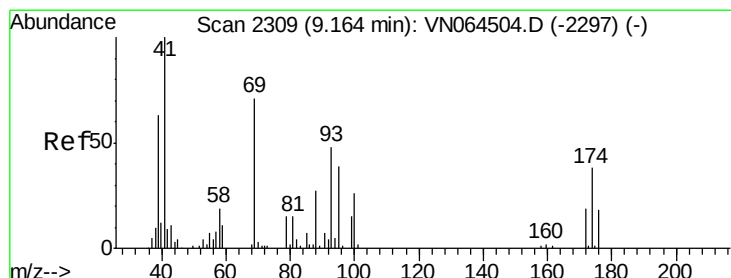
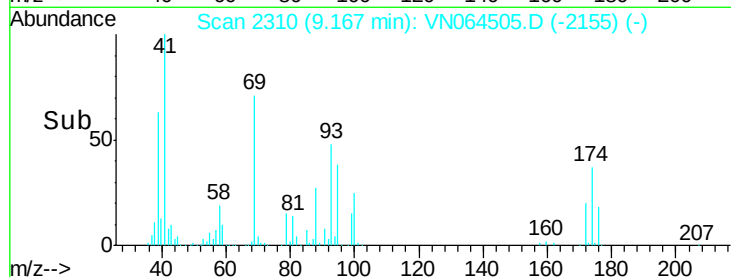
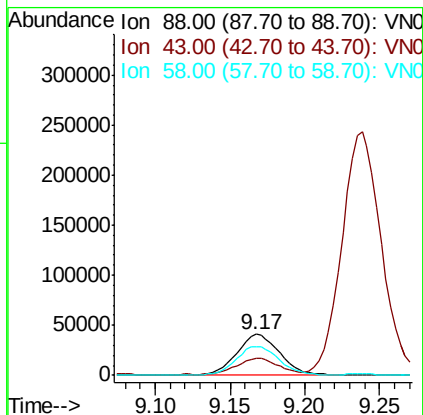
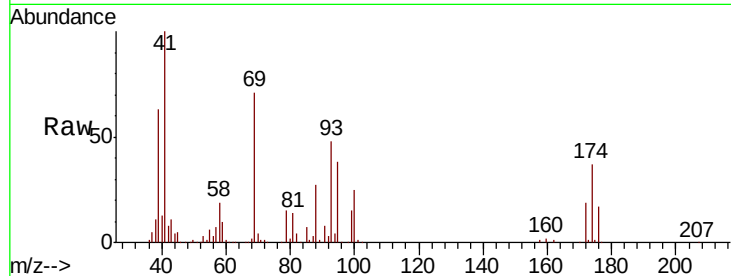
Tot Ion: 88 Resp: 82099

Ion Ratio Lower Upper

88 100

43 38.0 30.6 46.0

58 71.5 57.9 86.9



#46

Methyl methacrylate

Concen: 59.959 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

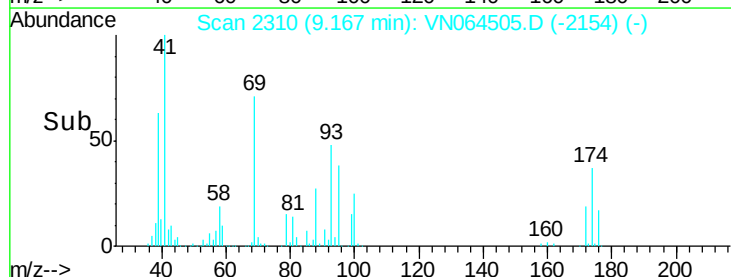
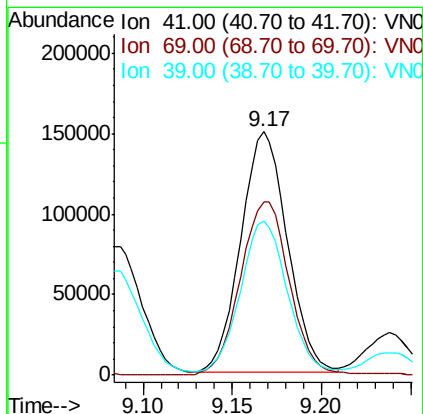
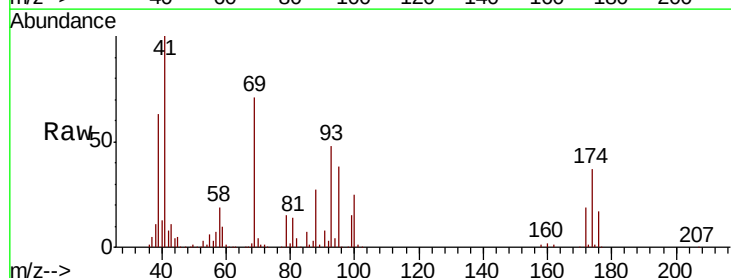
Tgt Ion: 41 Resp: 272725

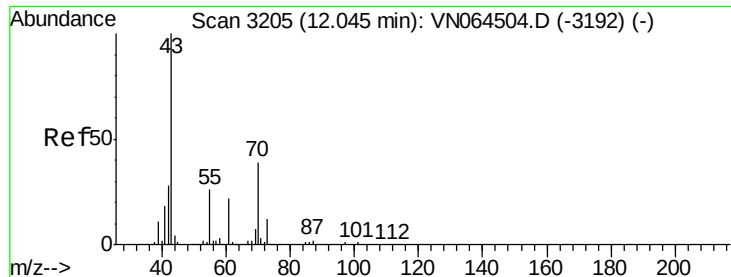
Ion Ratio Lower Upper

41 100

69 72.1 35.4 106.2

39 62.6 31.6 94.7





#47

n-amvl Acetate

Concen: 62.667 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

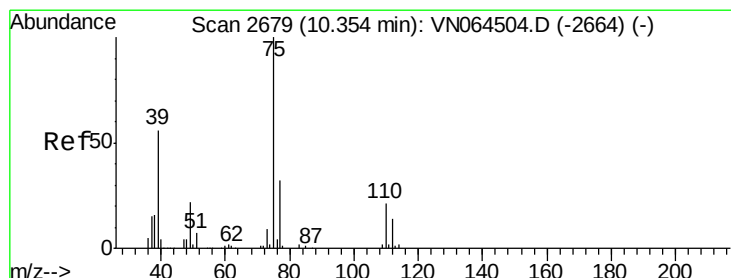
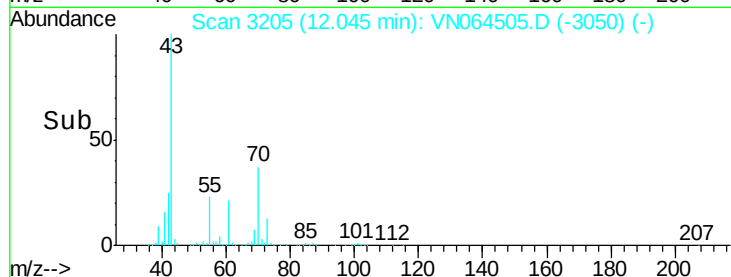
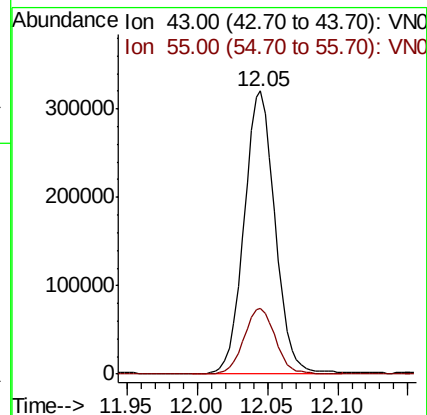
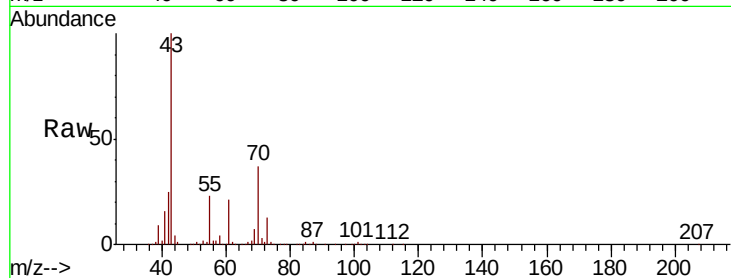
VSTDIC050

Tot Ion: 43 Resp: 491788

Ion Ratio Lower Upper

43 100

55 24.0 19.2 28.8



#48

t-1,3-Dichloropropene

Concen: 54.199 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. -0.00 min

Lab File: VN064505.D

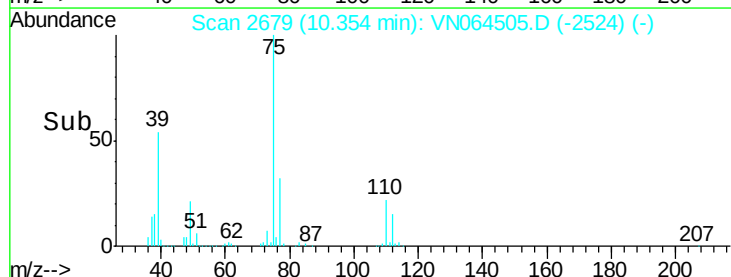
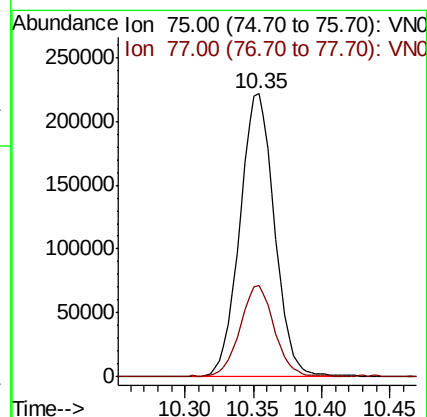
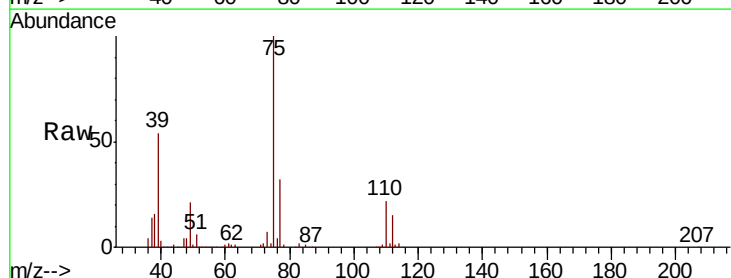
Acq: 9 Nov 2020 12:13

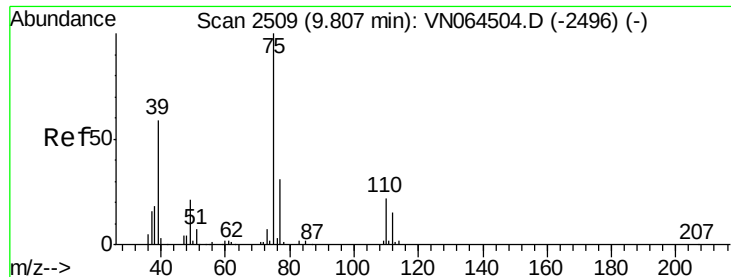
Tgt Ion: 75 Resp: 391330

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.6





#49

cis-1,3-Dichloropropene

Concen: 54.486 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

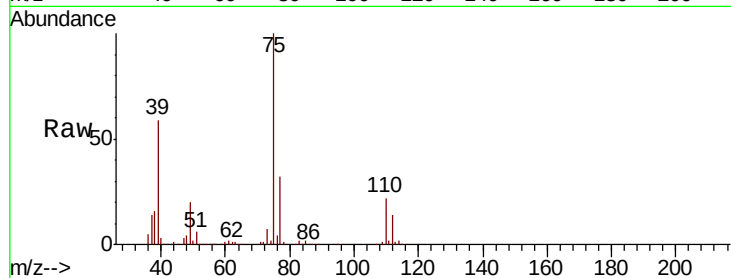
Tot Ion: 75 Resp: 406741

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.8	37.2
39	58.7	47.4	71.0

75 100

77 31.5 24.8 37.2

39 58.7 47.4 71.0

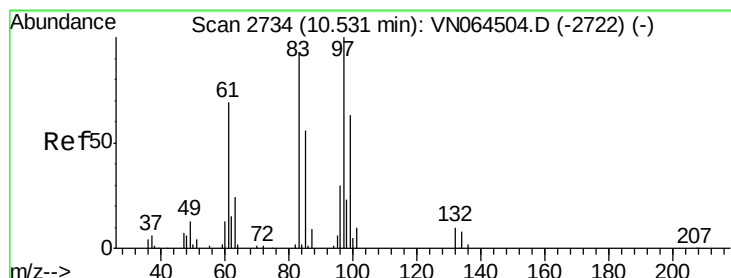
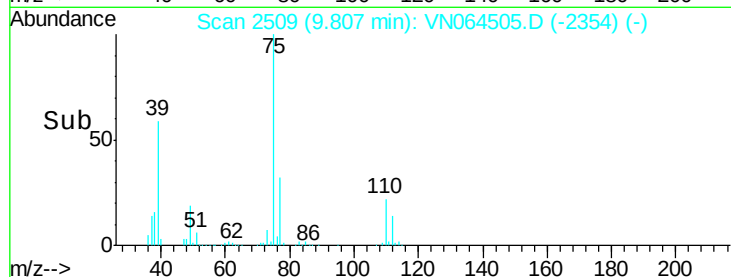
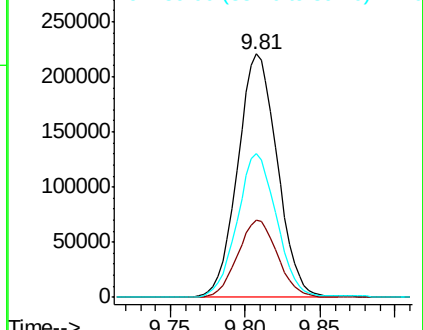


Abundance

Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane

Concen: 56.201 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Tgt Ion: 97 Resp: 233802

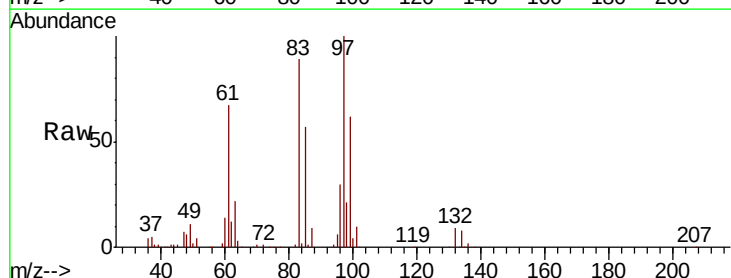
Ion	Ratio	Lower	Upper
97	100		
83	88.6	74.2	111.4
85	57.1	44.8	67.2
99	61.6	50.5	75.7

97 100

83 88.6 74.2 111.4

85 57.1 44.8 67.2

99 61.6 50.5 75.7



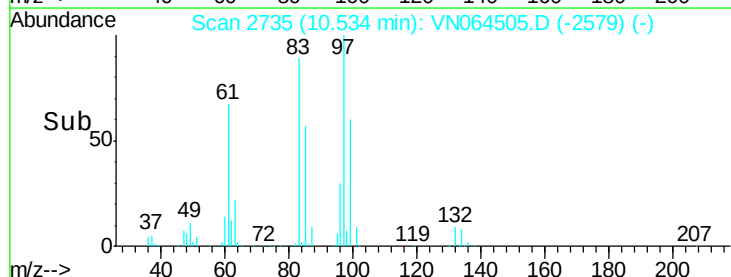
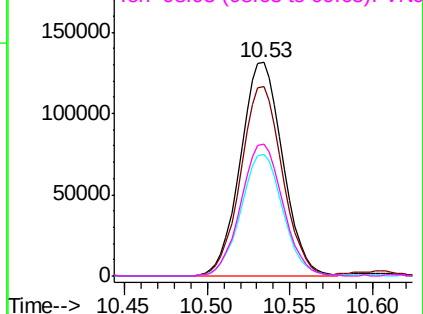
Abundance

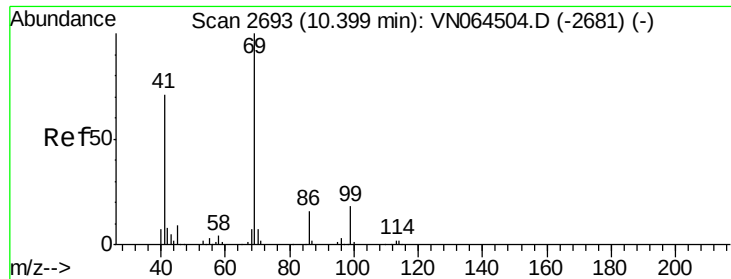
Ion 97.00 (96.70 to 97.70): VN0

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: 58.256 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

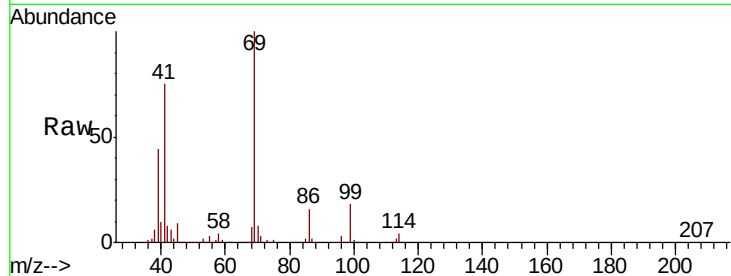
Tot Ion: 69 Resp: 347414

Ion Ratio Lower Upper

69 100

41 74.3 35.4 106.1

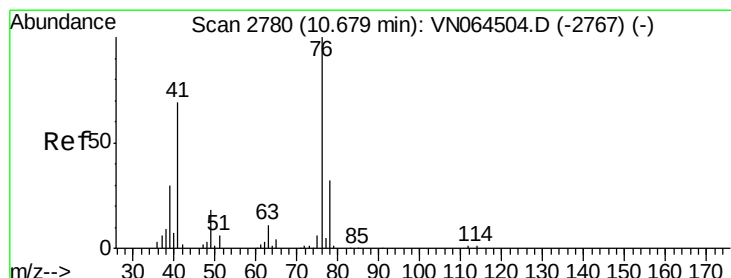
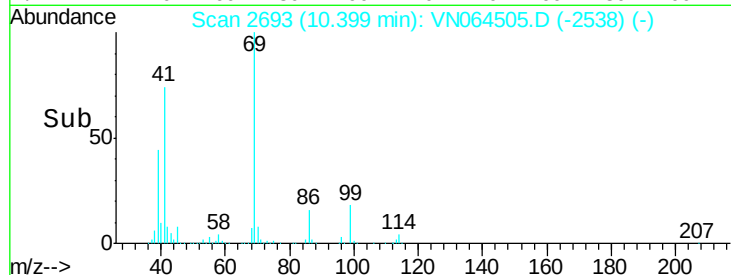
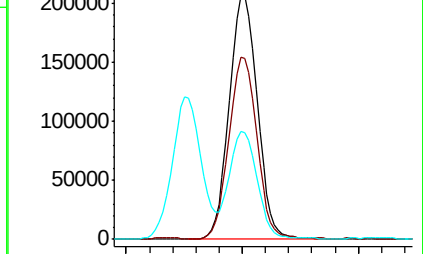
39 44.0 24.1 72.2



Abundance Ion 69.00 (68.70 to 69.70): VN064505.D (-2538) (-)

Ion 41.00 (40.70 to 41.70): VN064505.D (-2538) (-)

Ion 39.00 (38.70 to 39.70): VN064505.D (-2538) (-)



#52

1,3-Dichloropropane

Concen: 56.829 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. -0.00 min

Lab File: VN064505.D

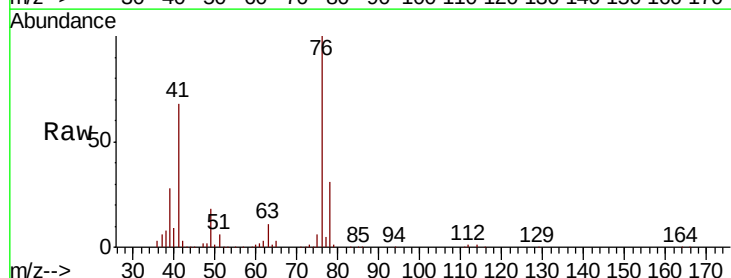
Acq: 9 Nov 2020 12:13

Tgt Ion: 76 Resp: 398185

Ion Ratio Lower Upper

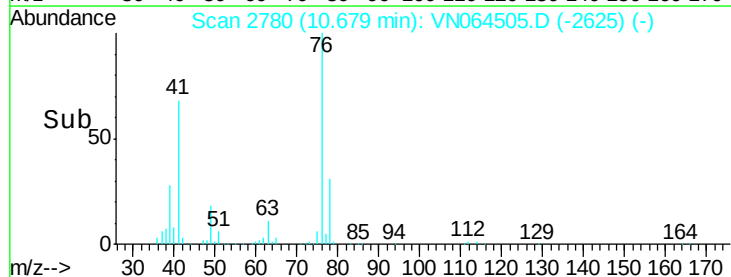
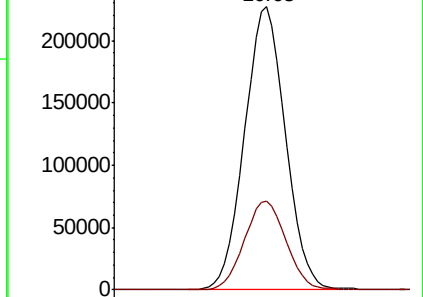
76 100

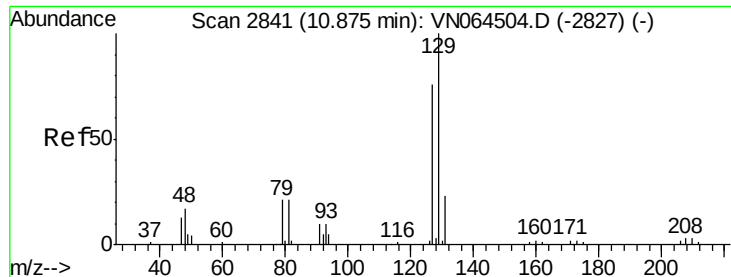
78 32.2 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VN064505.D (-2625) (-)

Ion 78.00 (77.70 to 78.70): VN064505.D (-2625) (-)





#53

Dibromochloromethane

Concen: 52.587 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

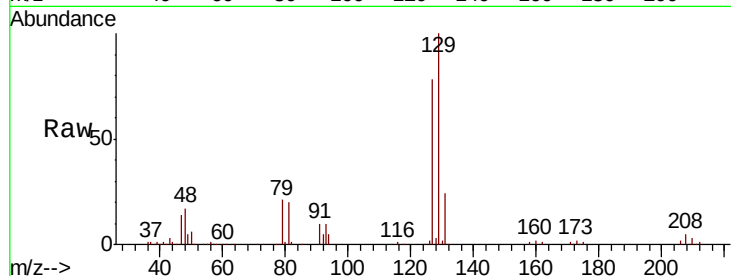
VSTDIC050

Tot Ion:129 Resp: 267022

Ion Ratio Lower Upper

129 100

127 78.3 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.87

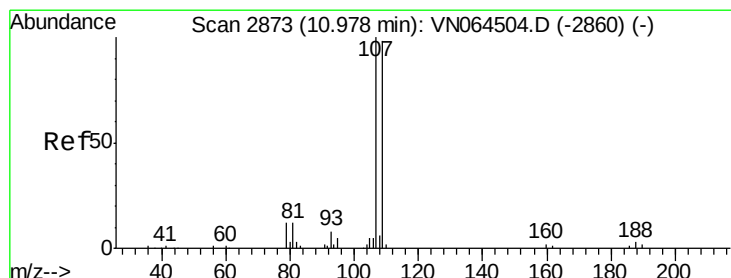
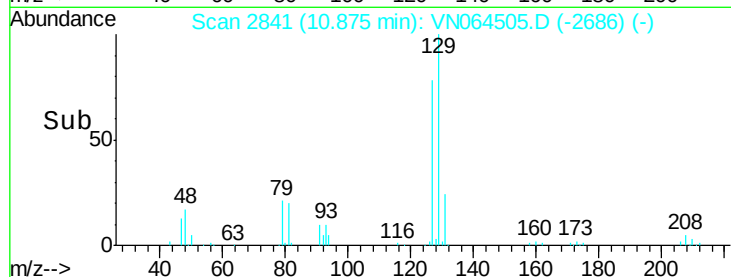
150000

100000

50000

0

Time-->



#54

1,2-Dibromoethane

Concen: 55.632 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN064505.D

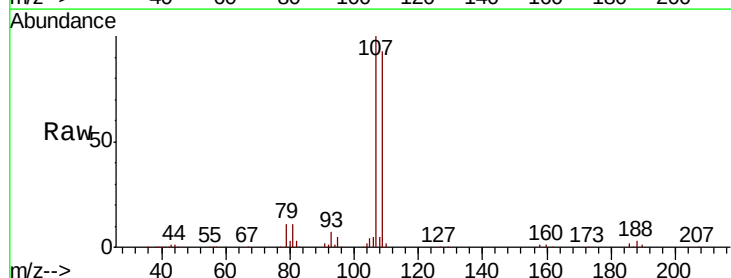
Acq: 9 Nov 2020 12:13

Tgt Ion:107 Resp: 245170

Ion Ratio Lower Upper

107 100

109 93.2 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.98

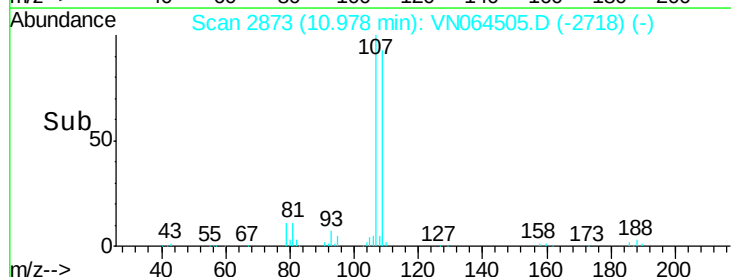
150000

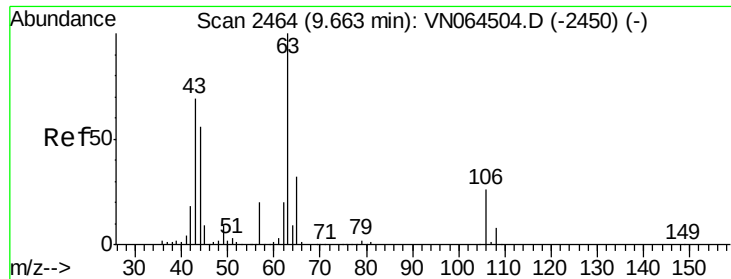
100000

50000

0

Time-->

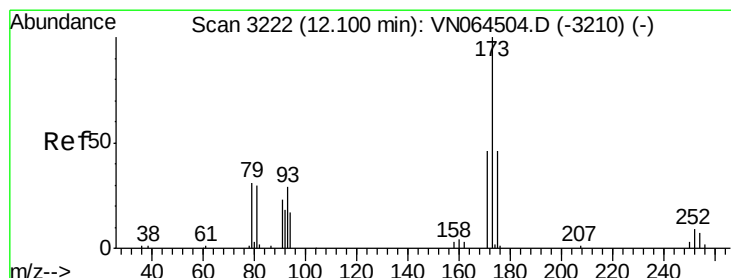
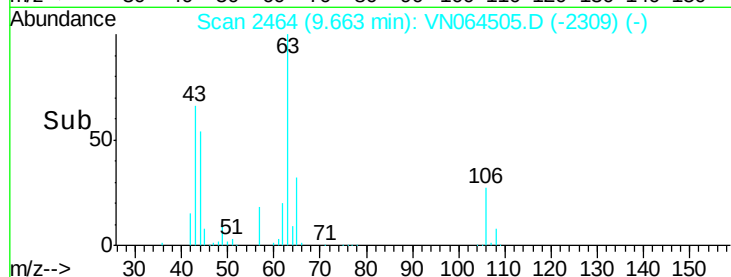
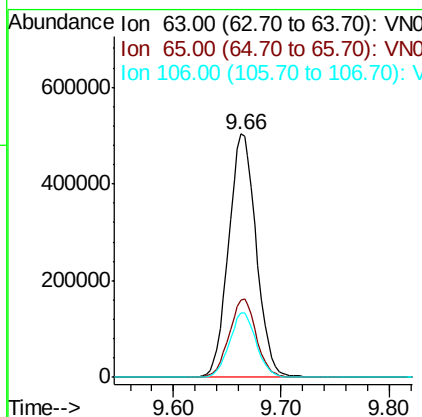
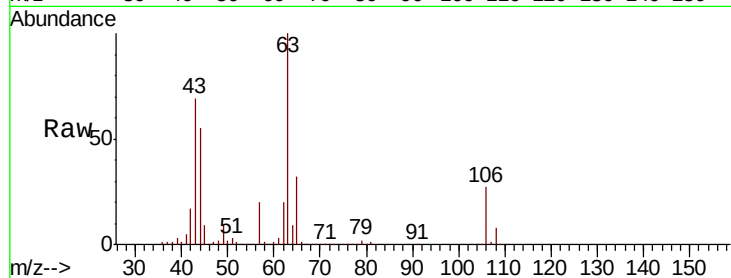




#55
2-Chloroethyl vinyl ether
Concen: 277.570 ug/l
RT: 9.66 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

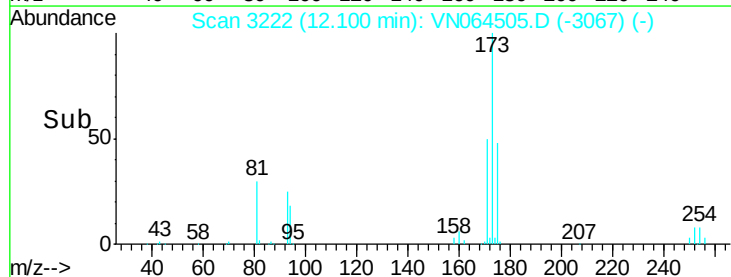
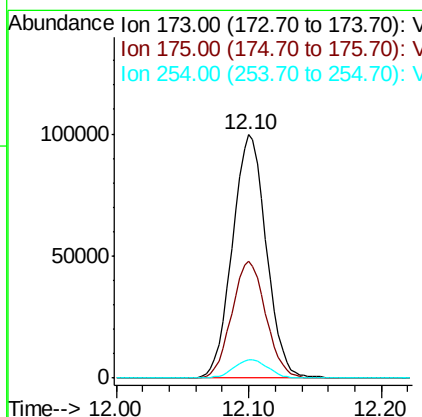
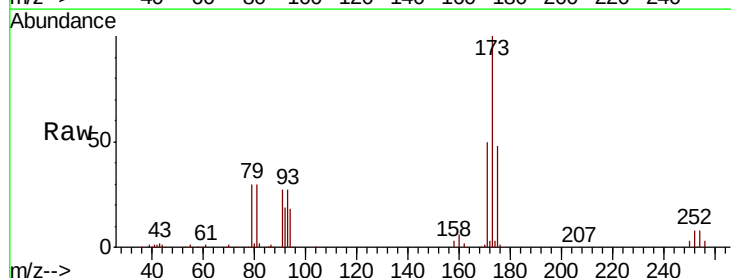
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

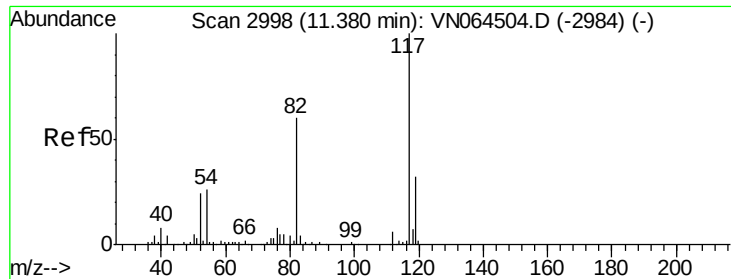
Tot Ion: 63 Resp: 901704
Ion Ratio Lower Upper
63 100
65 31.6 25.7 38.5
106 25.8 19.9 29.9



#56
Bromoform
Concen: 49.664 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

Tgt Ion: 173 Resp: 176971
Ion Ratio Lower Upper
173 100
175 48.3 37.1 55.7
254 7.6 5.4 8.2

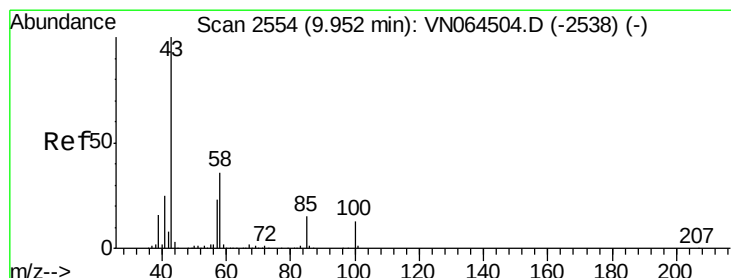
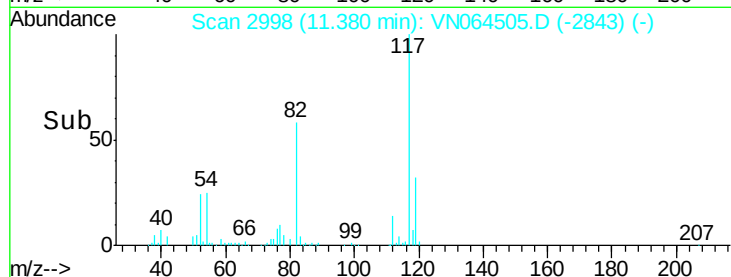
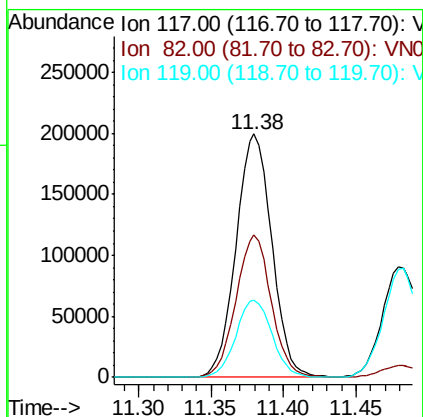
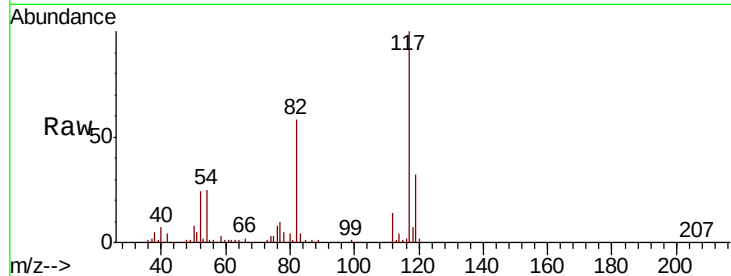




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

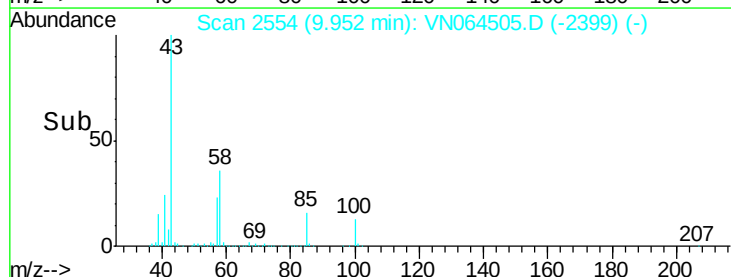
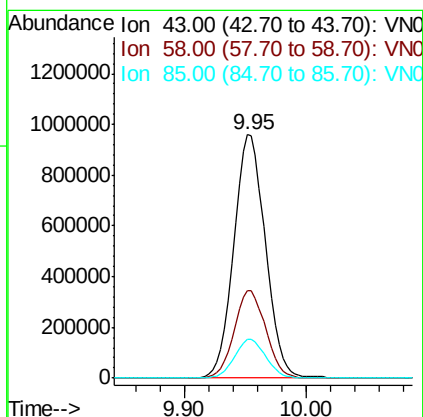
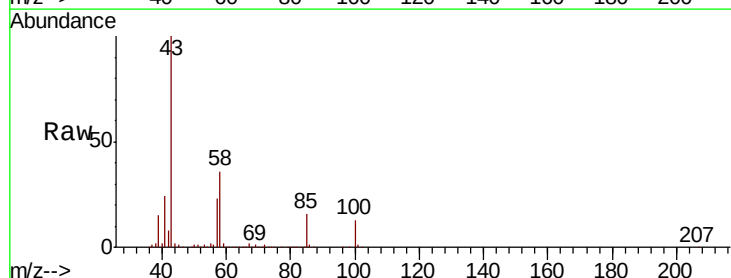
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

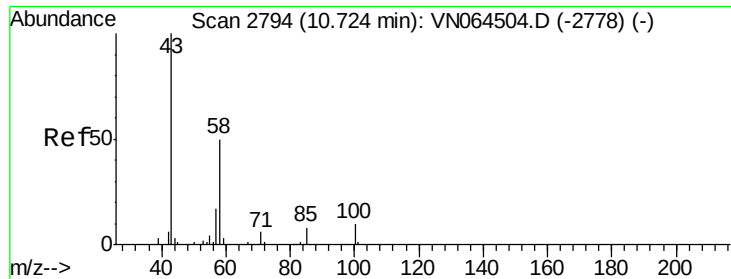
Tot Ion:117 Resp: 342402
Ion Ratio Lower Upper
117 100
82 57.7 47.8 71.8
119 32.0 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 309.493 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

Tgt Ion: 43 Resp: 1717436
Ion Ratio Lower Upper
43 100
58 36.0 28.8 43.2
85 15.8 12.3 18.5

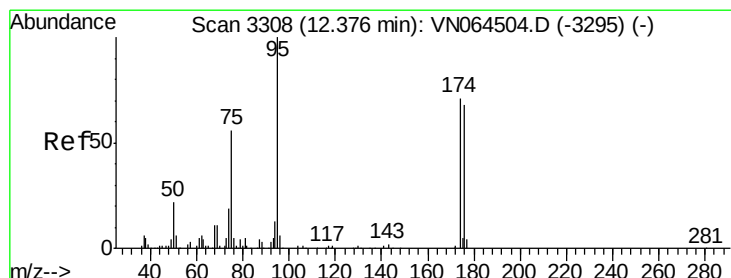
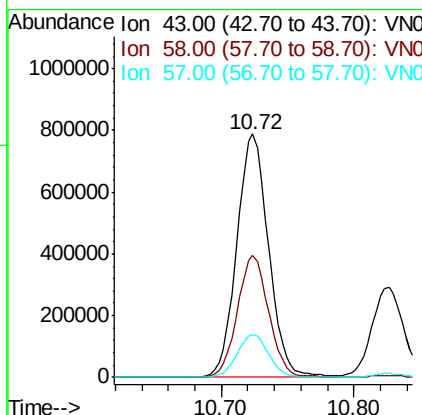
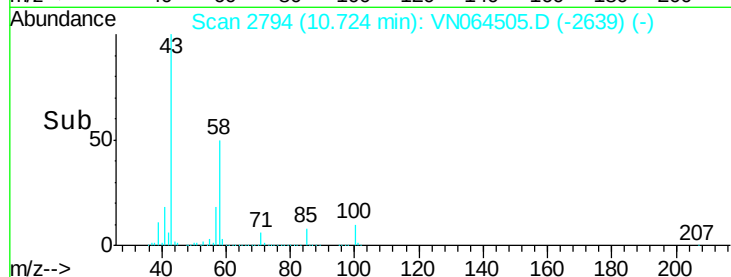
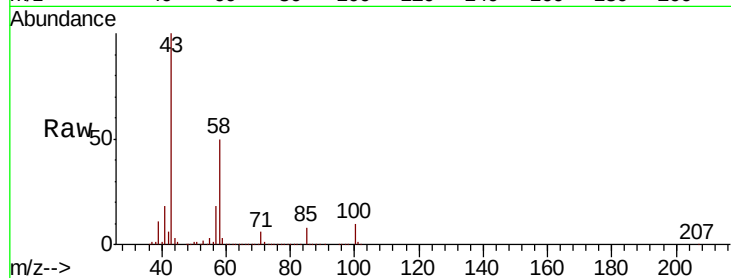




#59
2-Hexanone
Concen: 317.704 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

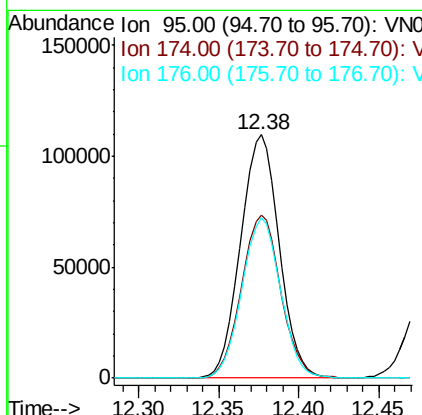
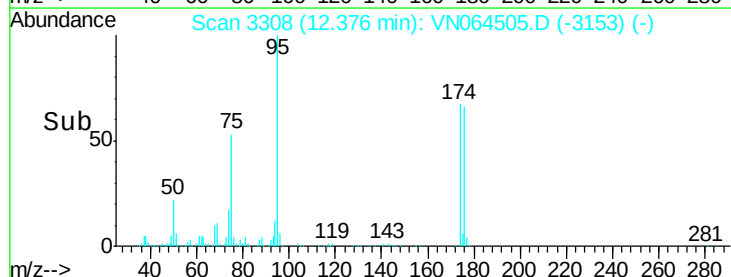
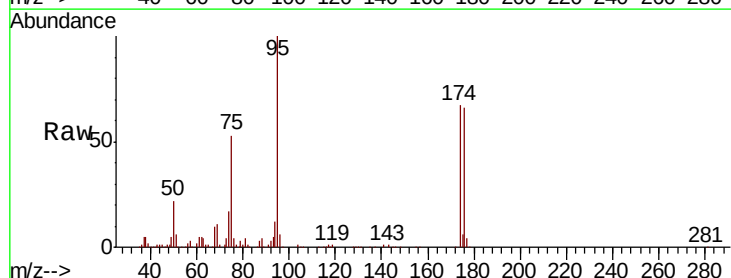
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

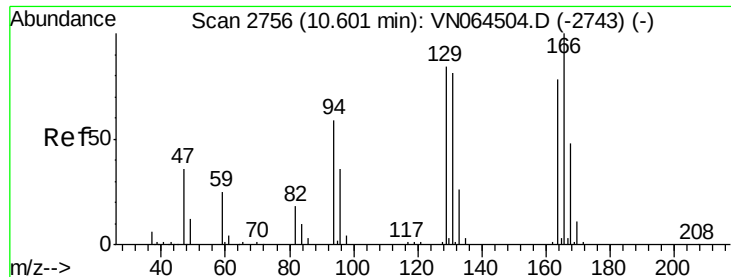
Tot Ion: 43 Resp: 1308310
Ion Ratio Lower Upper
43 100
58 49.7 38.2 57.4
57 17.7 13.8 20.8



#60
4-Bromofluorobenzene
Concen: 31.016 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

Tgt Ion: 95 Resp: 180669
Ion Ratio Lower Upper
95 100
174 68.3 56.4 84.6
176 65.9 53.3 79.9





#61

Tetrachloroethene

Concen: 47.056 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 214741

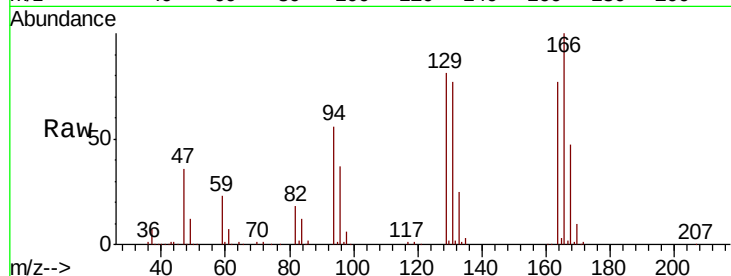
Ion Ratio Lower Upper

164 100

166 130.1 103.2 154.8

129 105.9 86.4 129.6

131 99.9 84.0 126.0

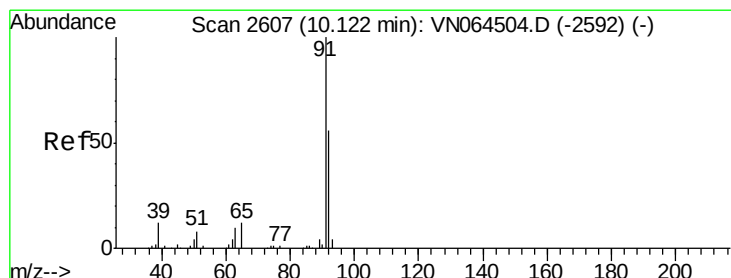
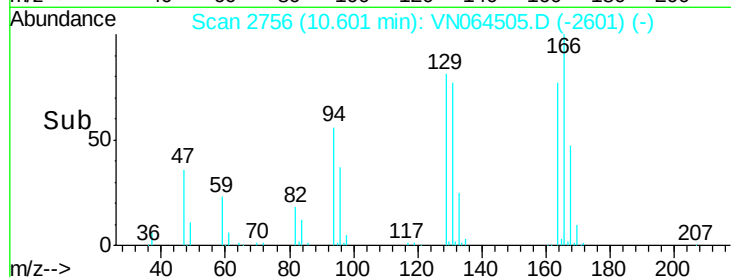
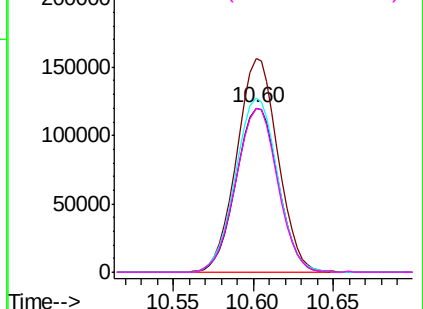


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 53.197 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064505.D

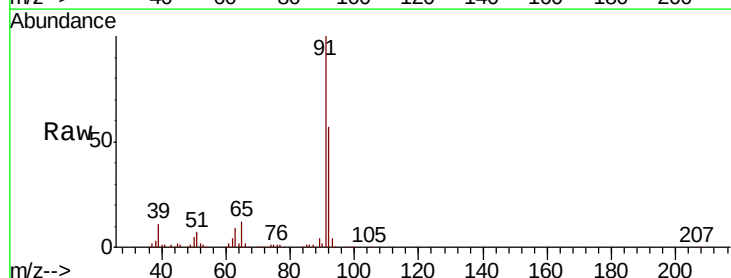
Acq: 9 Nov 2020 12:13

Tgt Ion: 91 Resp: 1027007

Ion Ratio Lower Upper

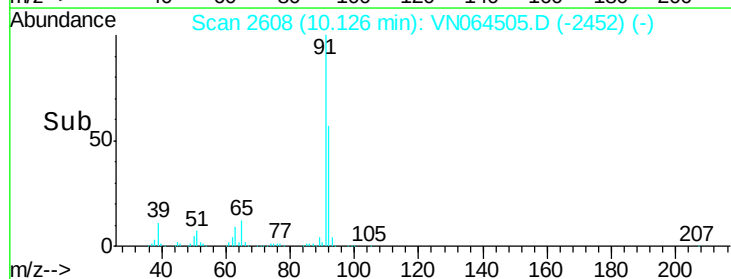
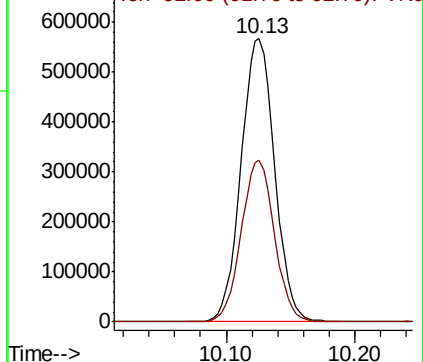
91 100

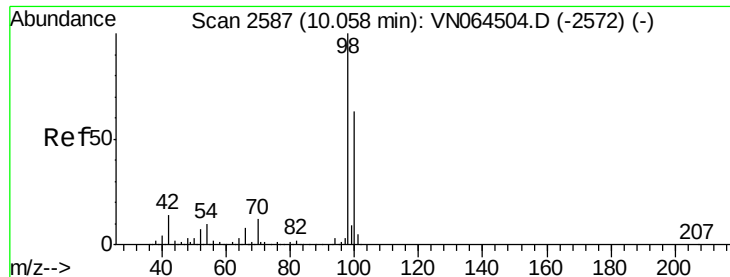
92 56.8 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 30.710 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

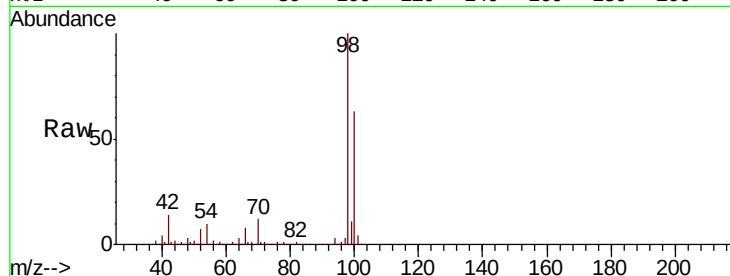
VSTDIC050

Tot Ion: 98 Resp: 476346

Ion Ratio Lower Upper

98 100

100 63.0 49.4 74.2



Abundance Ion 98.00 (97.70 to 98.70): VN064505.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064505.D (-2572) (-)

10.06

250000

200000

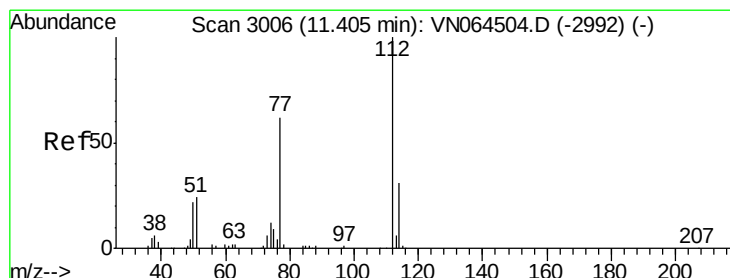
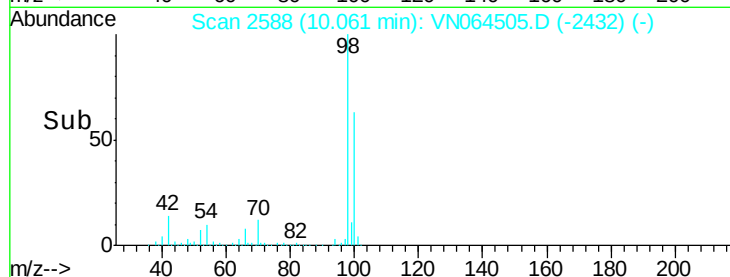
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 50.955 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN064505.D

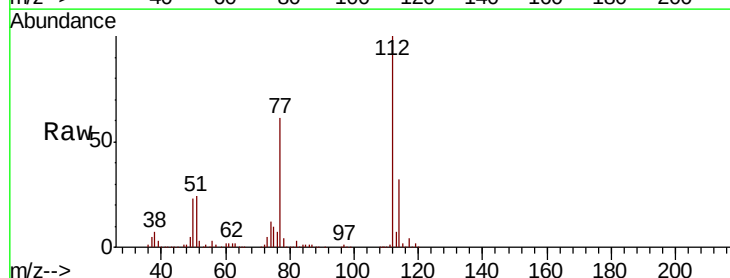
Acq: 9 Nov 2020 12:13

Tgt Ion: 112 Resp: 609308

Ion Ratio Lower Upper

112 100

114 31.6 25.0 37.6



Abundance Ion 112.00 (111.70 to 112.70): VN064505.D (-2851) (-)

Ion 114.00 (113.70 to 114.70): VN064505.D (-2851) (-)

11.41

400000

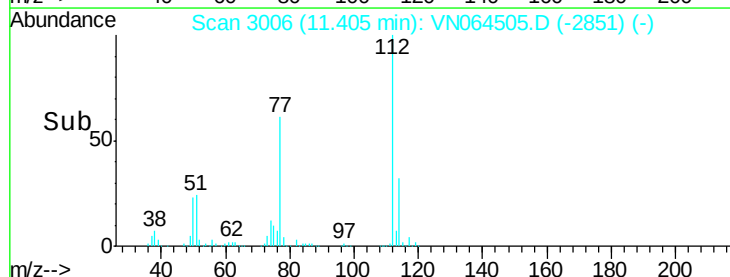
300000

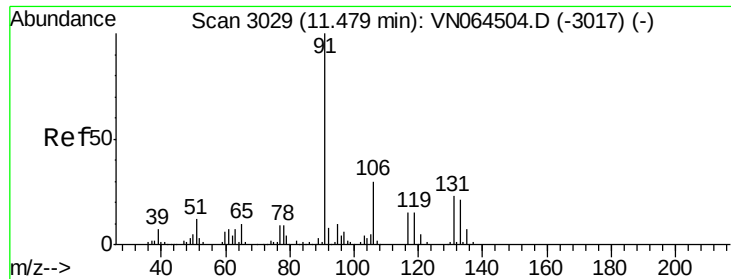
200000

100000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 51.084 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

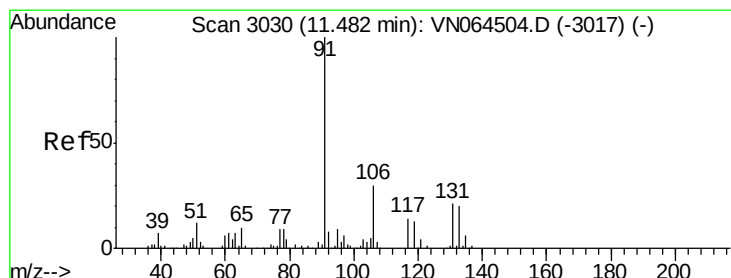
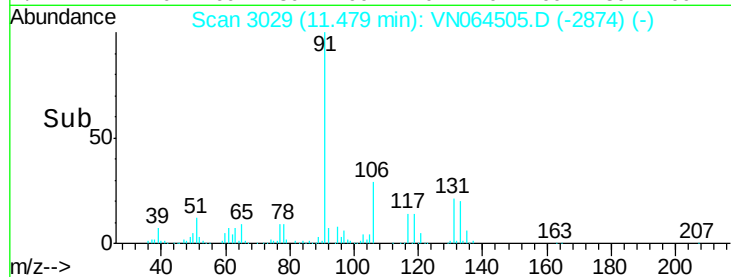
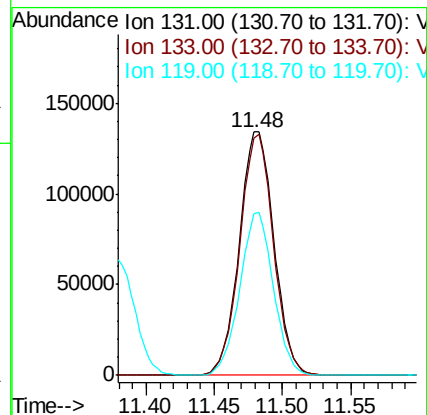
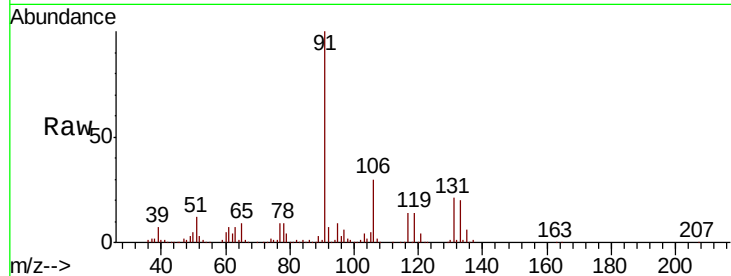
Tot Ion:131 Resp: 236809

Ion Ratio Lower Upper

131 100

133 96.3 0.0 191.2

119 64.8 0.0 131.6



#66

Ethyl Benzene

Concen: 53.953 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064505.D

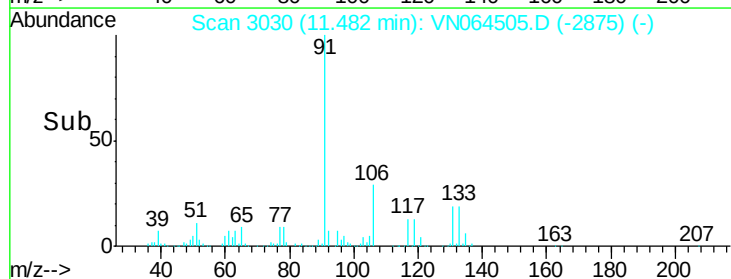
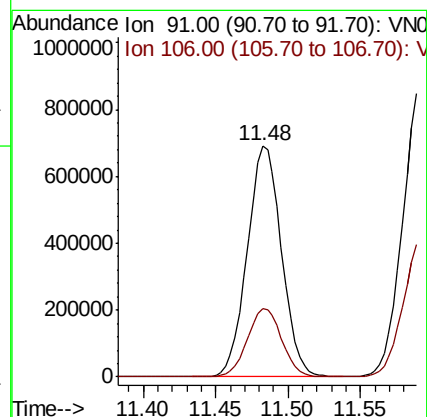
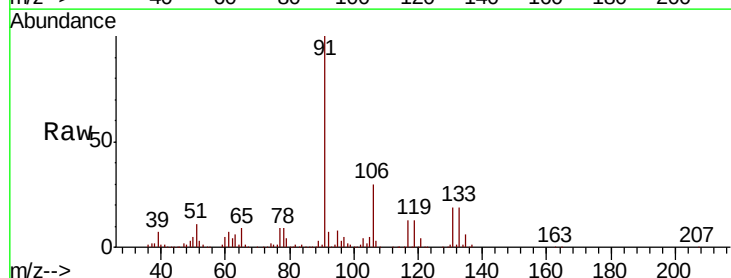
Acq: 9 Nov 2020 12:13

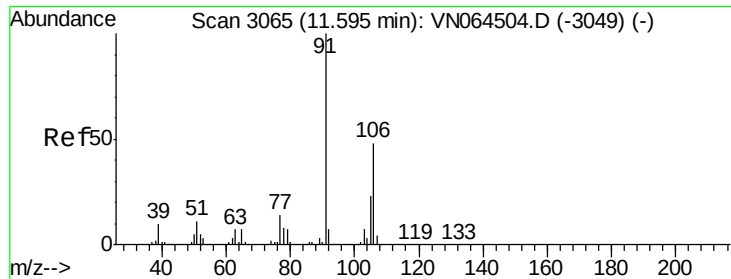
Tgt Ion: 91 Resp: 1137053

Ion Ratio Lower Upper

91 100

106 29.6 23.9 35.9





#67

m/p-Xylenes

Concen: 105.632 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

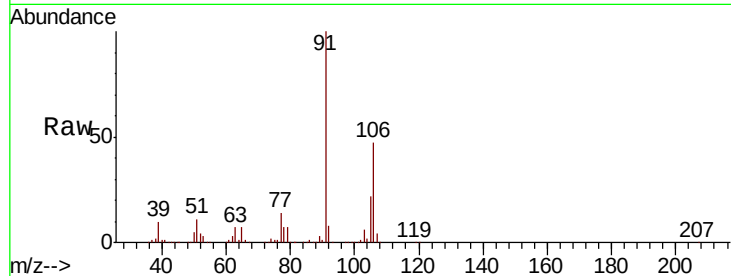
VSTDIC050

Tot Ion:106 Resp: 837972

Ion Ratio Lower Upper

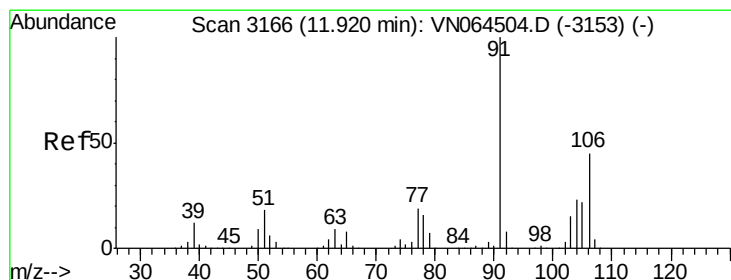
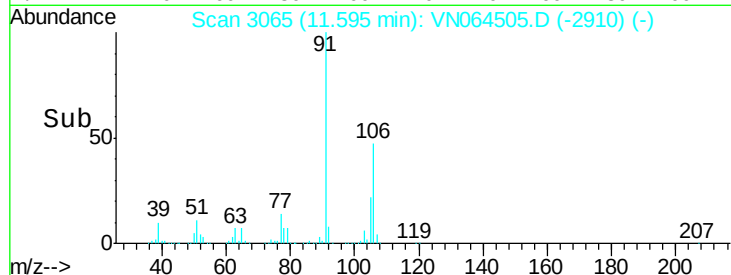
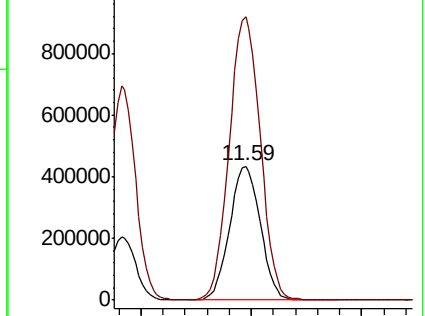
106 100

91 213.5 168.8 253.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 52.074 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN064505.D

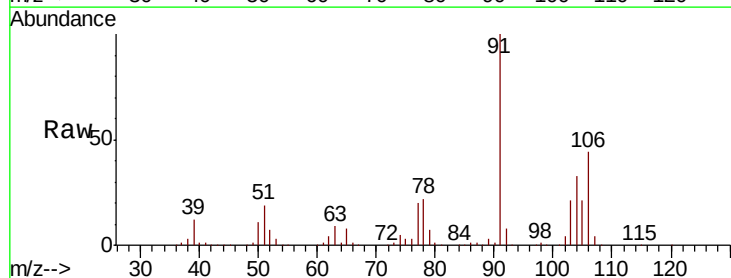
Acq: 9 Nov 2020 12:13

Tgt Ion:106 Resp: 396135

Ion Ratio Lower Upper

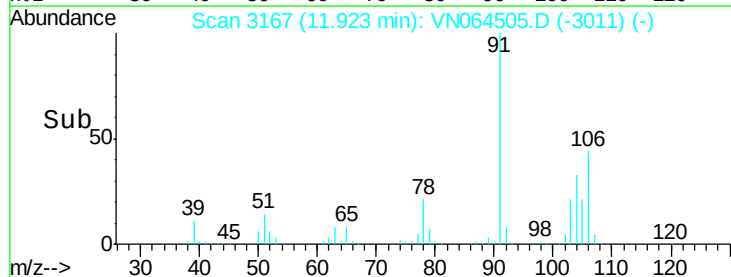
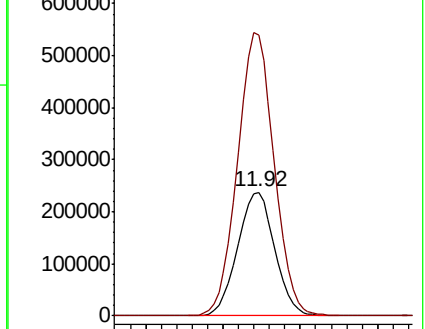
106 100

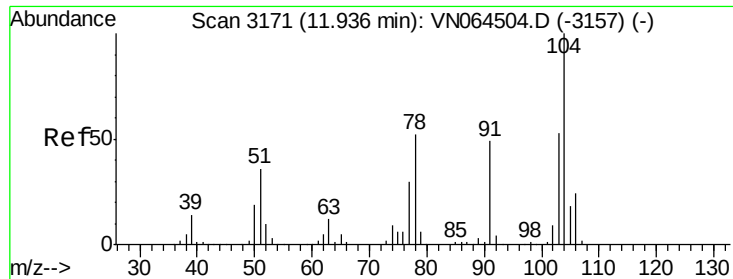
91 225.6 109.7 329.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

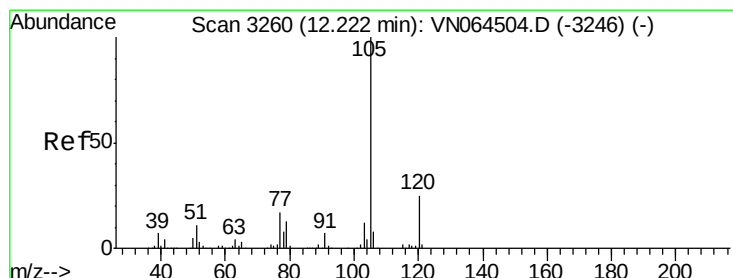
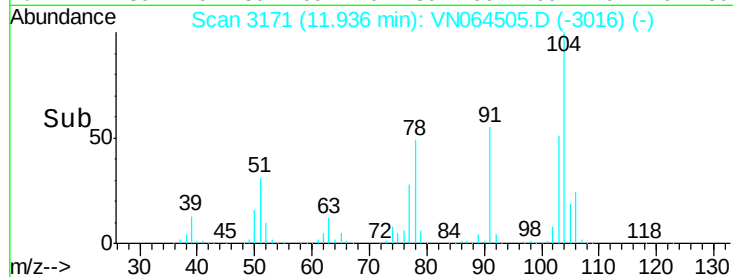
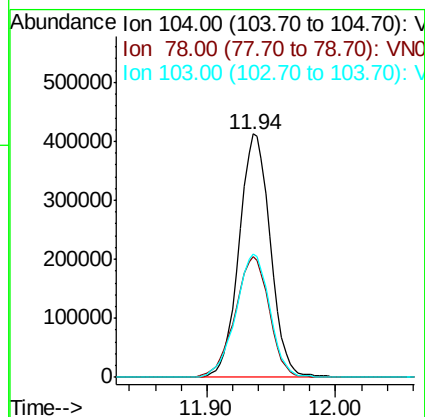
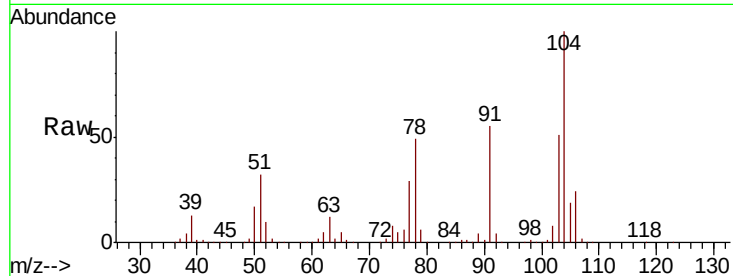




#69
Stvrene
Concen: 54.608 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

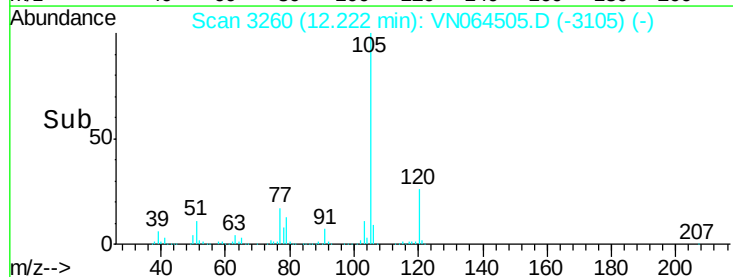
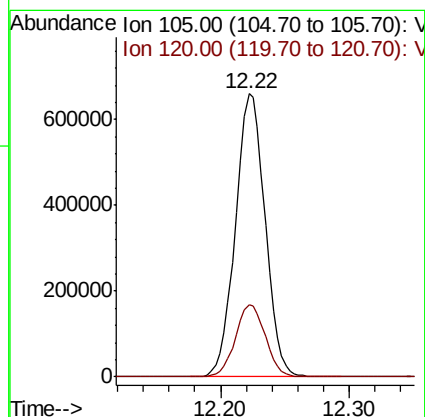
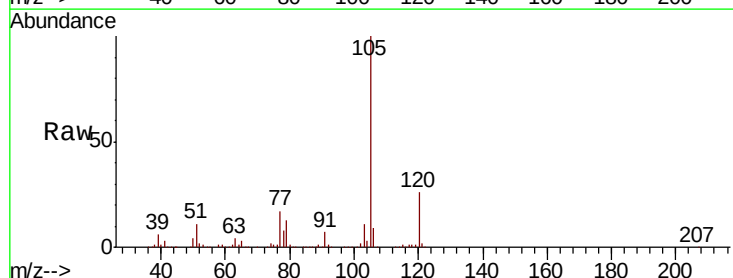
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

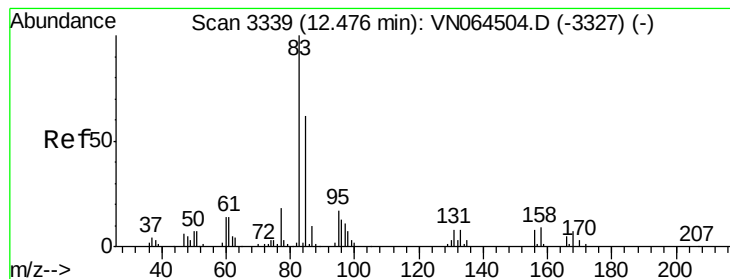
Tot Ion:104 Resp: 697302
Ion Ratio Lower Upper
104 100
78 54.0 44.4 66.6
103 55.2 44.6 67.0



#70
Isopropylbenzene
Concen: 53.524 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

Tgt Ion:105 Resp: 1055496
Ion Ratio Lower Upper
105 100
120 25.6 17.9 33.3





#71

1,1,2,2-Tetrachloroethane

Concen: 59.171 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

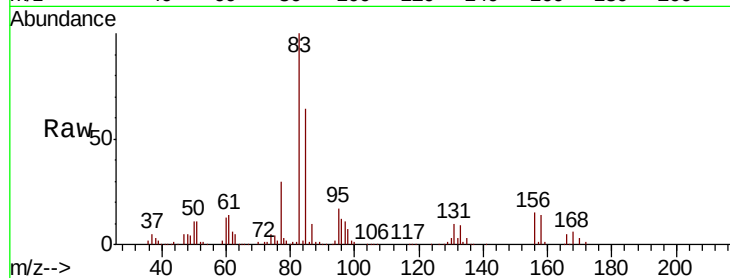
Tot Ion: 83 Resp: 333135

Ion Ratio Lower Upper

83 100

131 10.0 4.6 13.8

85 64.0 31.4 94.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

12.48

250000

200000

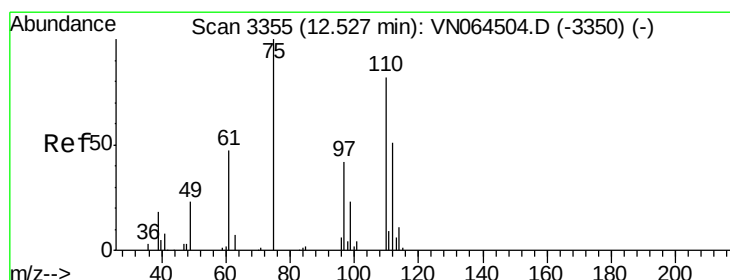
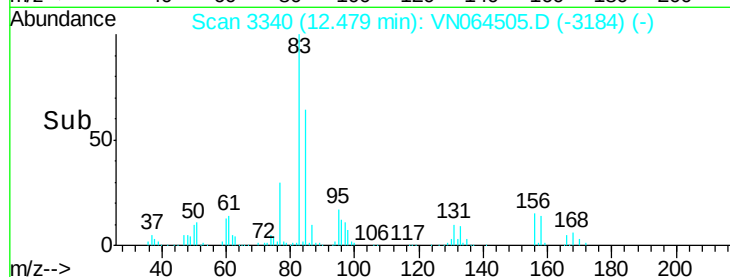
150000

100000

50000

0

Time--> 12.40 12.45 12.50



#72

1,2,3-Trichloropropane

Concen: 81.570 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064505.D

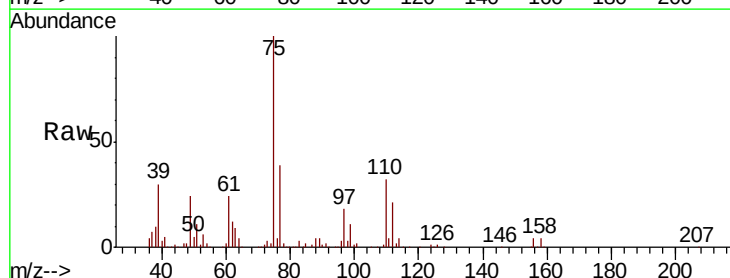
Acq: 9 Nov 2020 12:13

Tgt Ion: 75 Resp: 473182

Ion Ratio Lower Upper

75 100

77 127.4 0.0 379.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

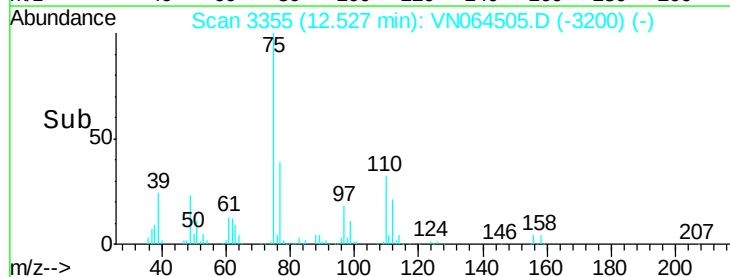
300000

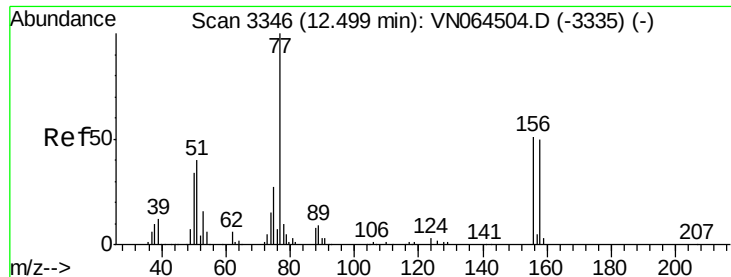
200000

100000

0

Time--> 12.40 12.50 12.60





#73

Bromobenzene

Concen: 50.396 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

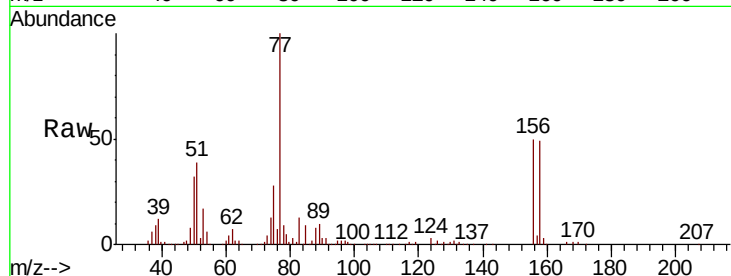
Tot Ion:156 Resp: 254544

Ion Ratio Lower Upper

156 100

77 236.9 0.0 480.2

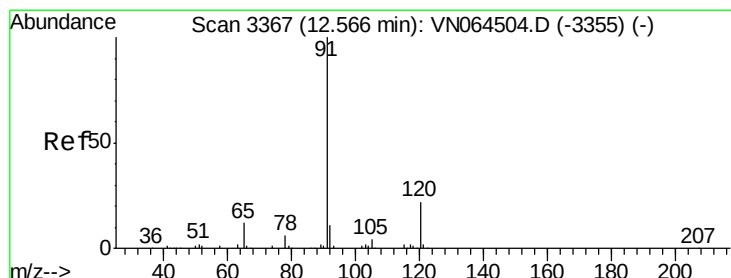
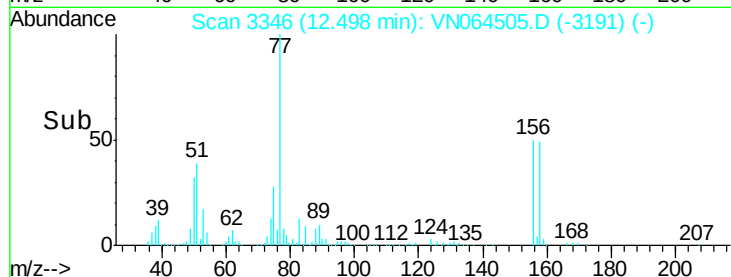
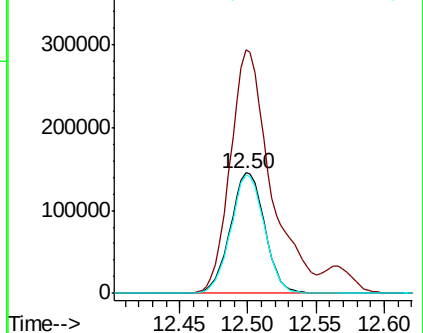
158 96.5 0.0 194.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 56.857 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN064505.D

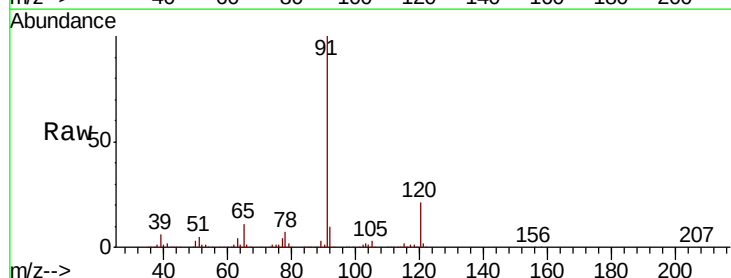
Acq: 9 Nov 2020 12:13

Tgt Ion: 91 Resp: 1245230

Ion Ratio Lower Upper

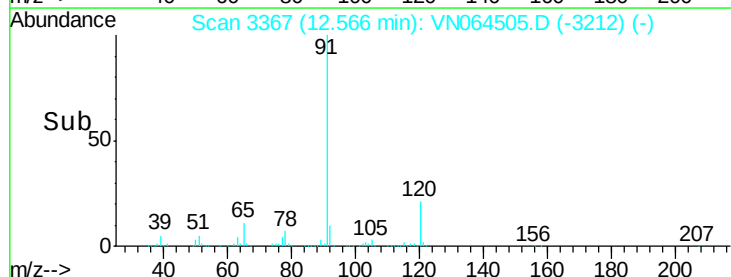
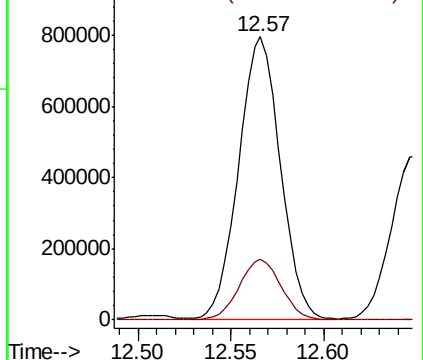
91 100

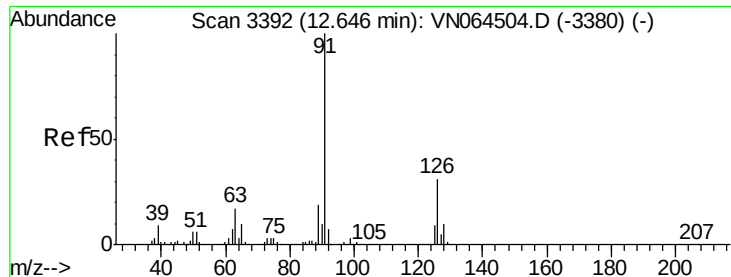
120 21.5 0.0 42.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 54.794 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

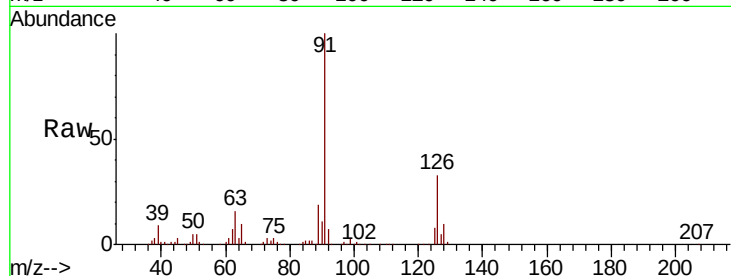
VSTDIC050

Tot Ion: 91 Resp: 759063

Ion Ratio Lower Upper

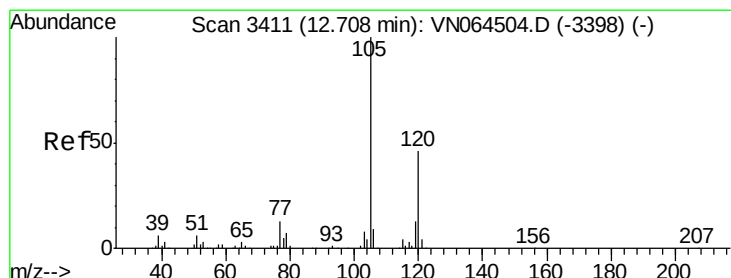
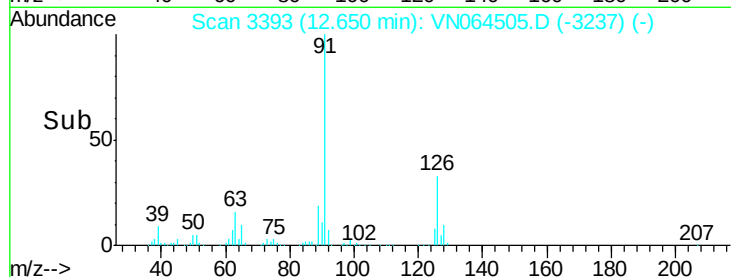
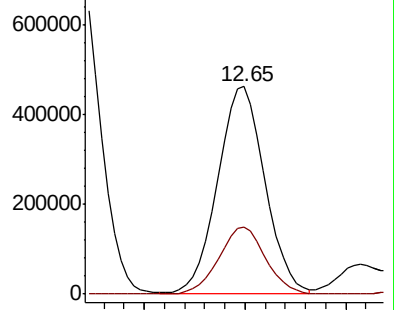
91 100

126 32.1 0.0 61.8



Abundance Ion 91.00 (90.70 to 91.70): VN064505.D (-3237) (-)

Ion 126.00 (125.70 to 126.70): VN064505.D (-3237) (-)



#76

1,3,5-Trimethylbenzene

Concen: 54.358 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064505.D

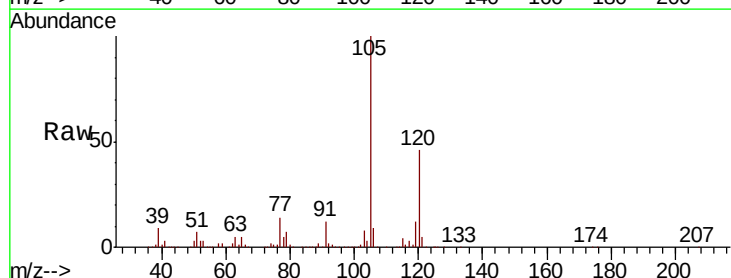
Acq: 9 Nov 2020 12:13

Tgt Ion: 105 Resp: 890963

Ion Ratio Lower Upper

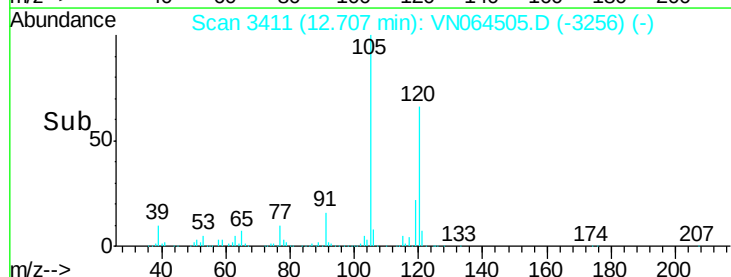
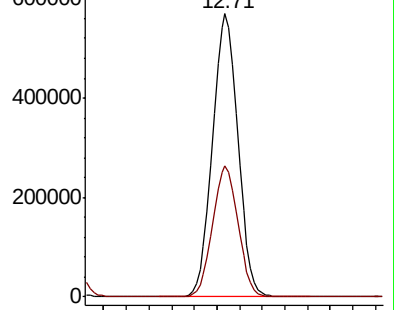
105 100

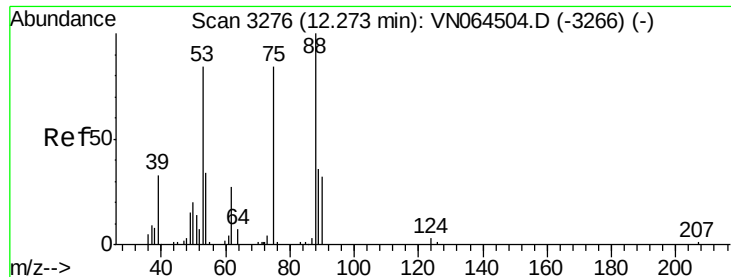
120 46.4 0.0 90.4



Abundance Ion 105.00 (104.70 to 105.70): VN064505.D (-3256) (-)

Ion 120.00 (119.70 to 120.70): VN064505.D (-3256) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 60.354 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

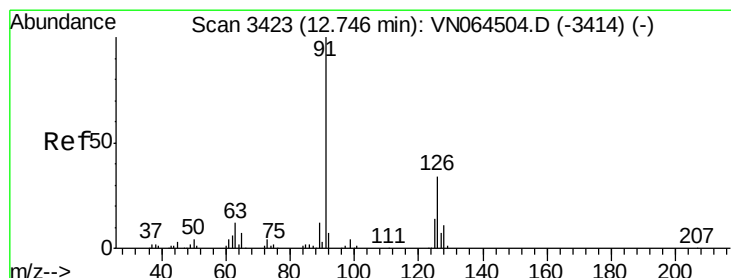
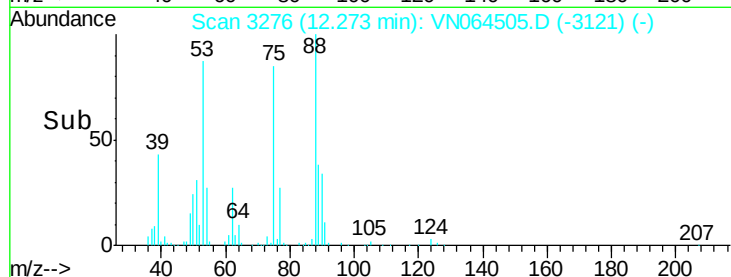
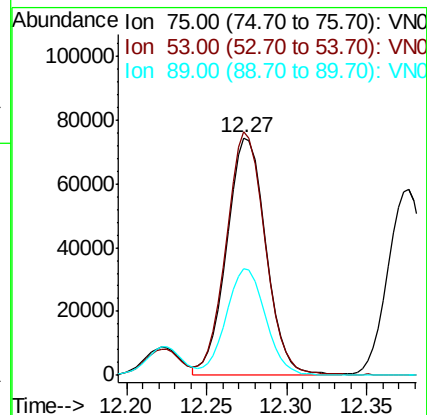
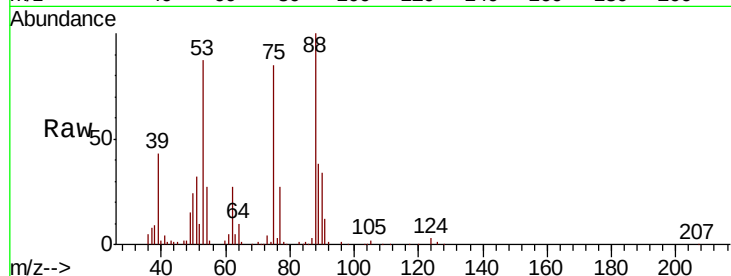
Tot Ion: 75 Resp: 124529

Ion Ratio Lower Upper

75 100

53 102.6 50.3 150.9

89 44.8 23.3 69.8



#78

4-Chlorotoluene

Concen: 55.956 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064505.D

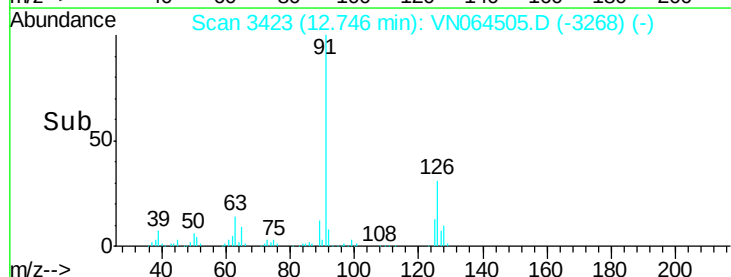
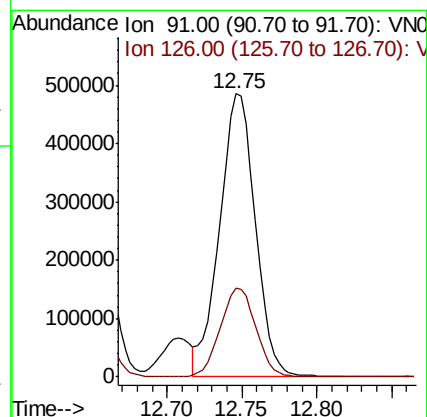
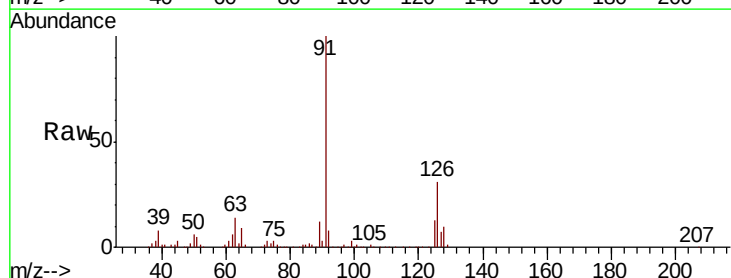
Acq: 9 Nov 2020 12:13

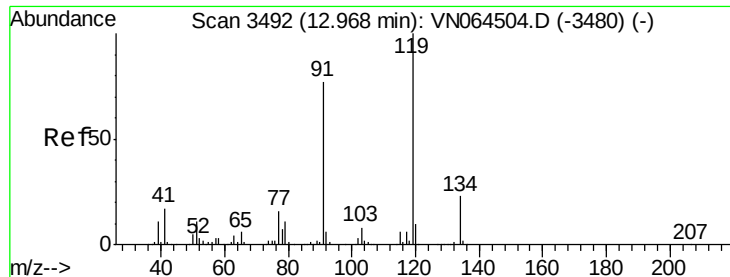
Tgt Ion: 91 Resp: 805061

Ion Ratio Lower Upper

91 100

126 31.5 0.0 61.8

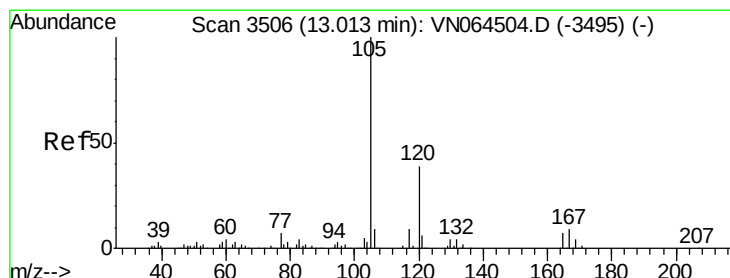
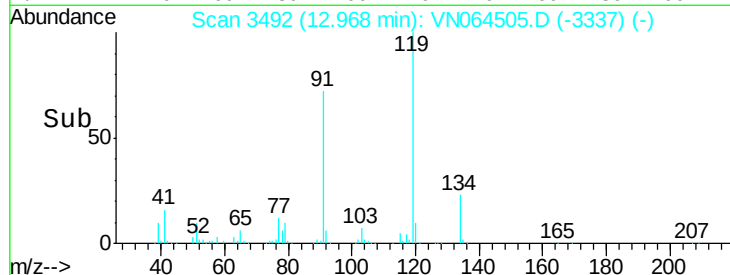
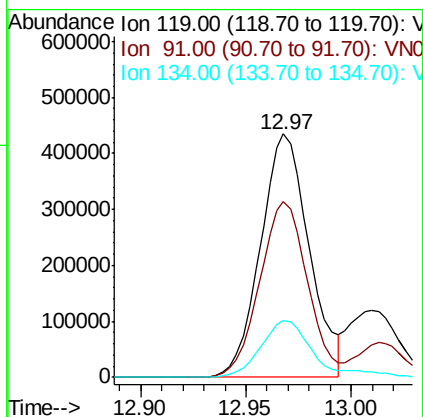
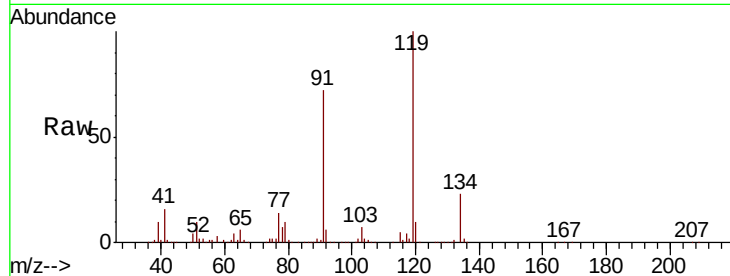




#79
tert-butylbenzene
Concen: 54.129 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

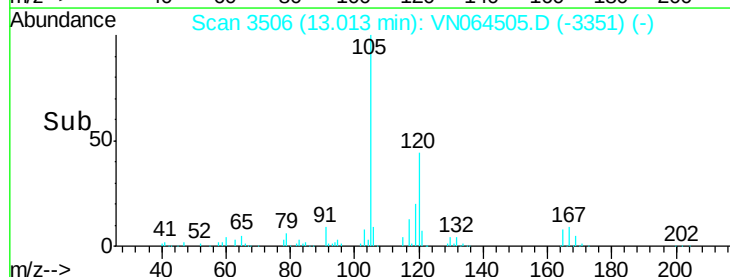
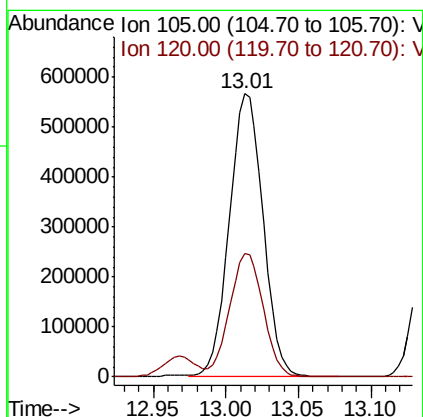
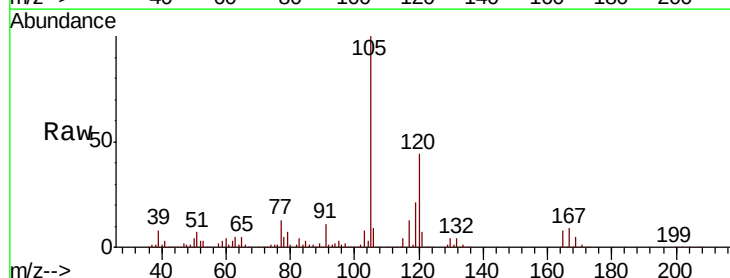
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

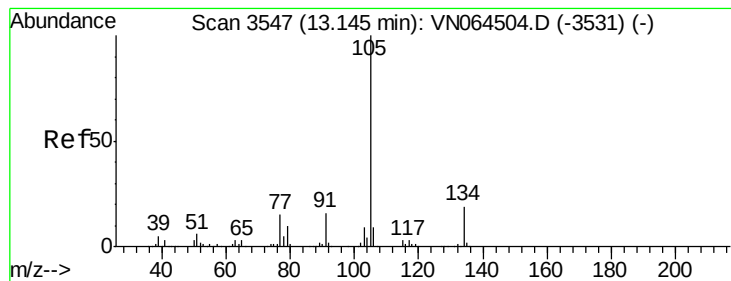
Tot Ion	Ratio	Lower	Upper
119	100		
91	70.6	0.0	147.8
134	23.4	0.0	50.6



#80
1,2,4-Trimethylbenzene
Concen: 55.450 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	0.0	88.6





#81

sec-Butylbenzene

Concen: 55.502 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

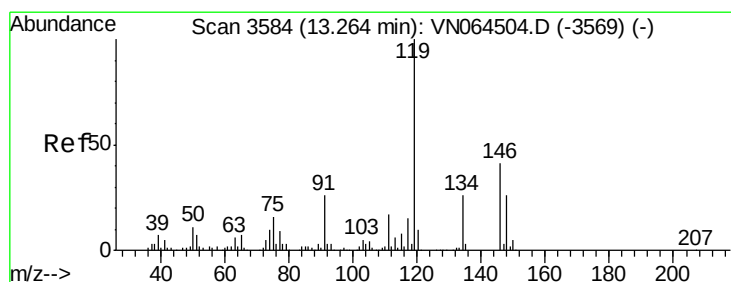
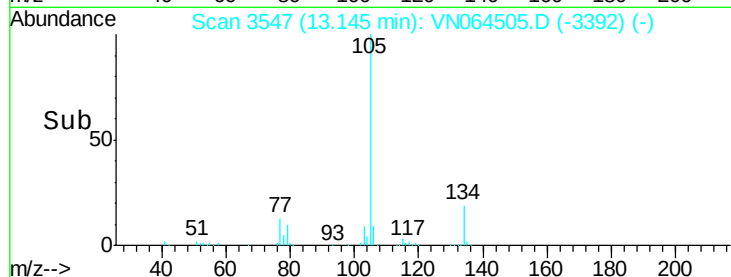
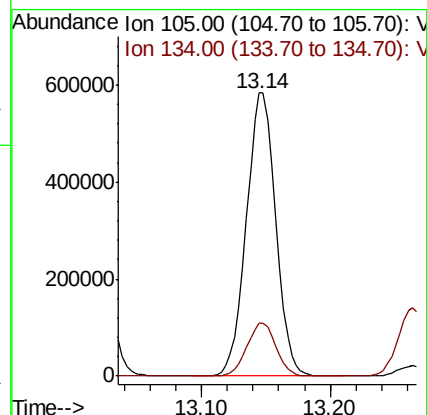
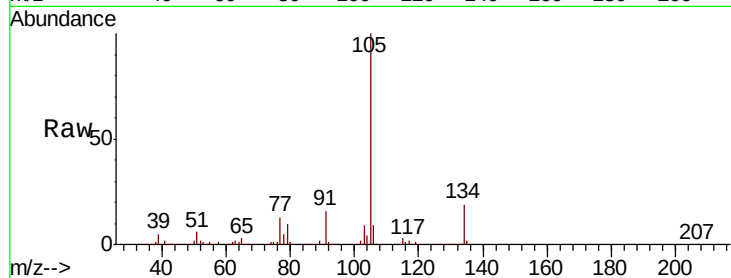
VSTDIC050

Tot Ion:105 Resp: 919716

Ion Ratio Lower Upper

105 100

134 18.9 0.0 37.8



#82

p-Isopropyltoluene

Concen: 54.605 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

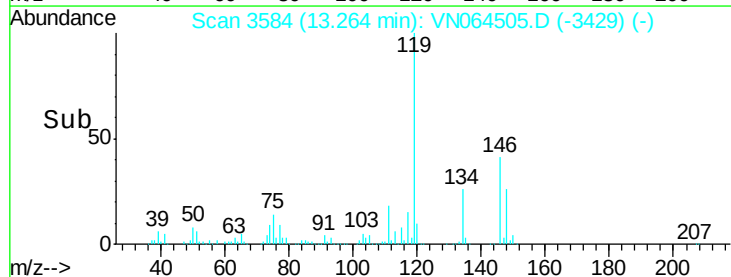
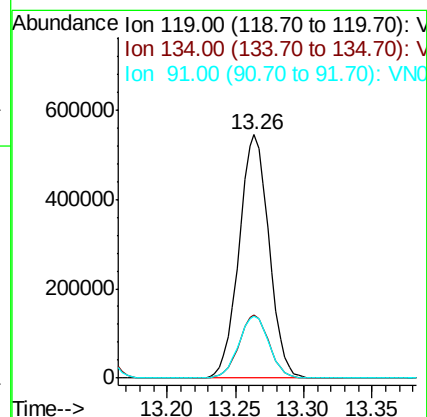
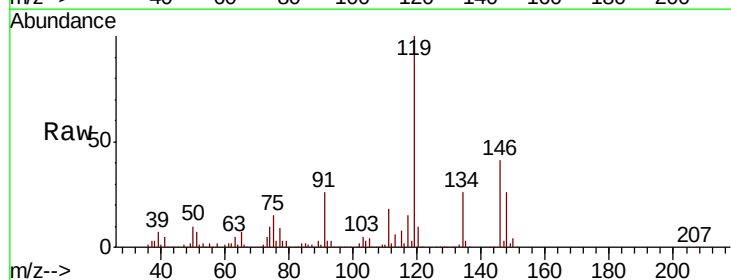
Tgt Ion:119 Resp: 826895

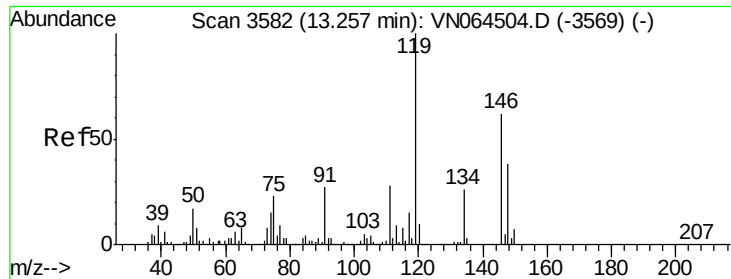
Ion Ratio Lower Upper

119 100

134 25.9 0.0 53.0

91 25.8 0.0 53.2

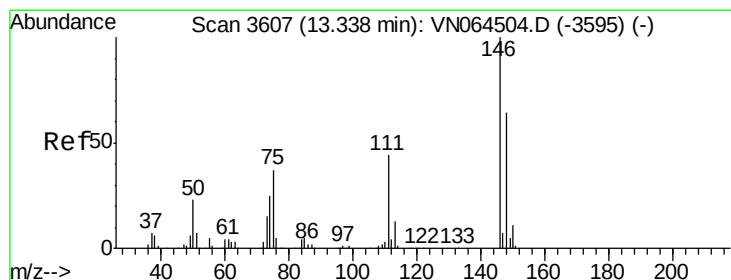
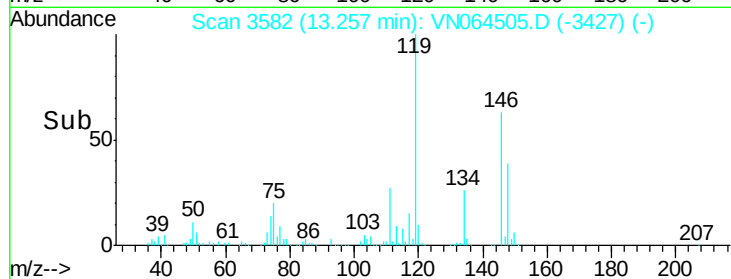
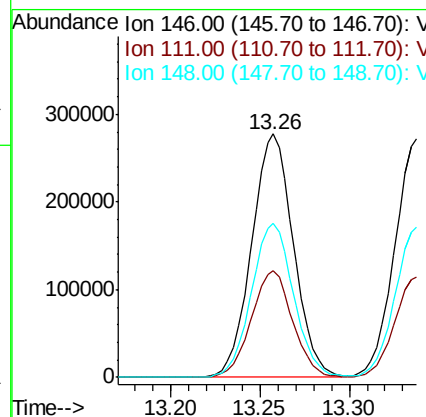
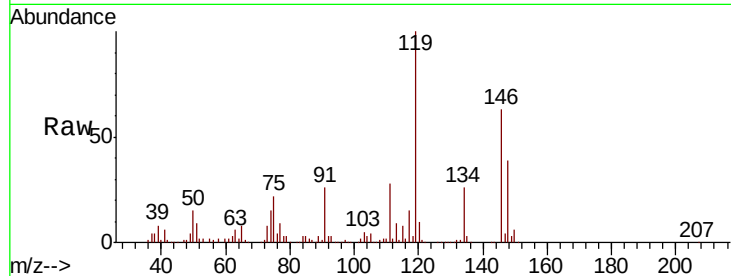




#83
 1,3-Dichlorobenzene
 Concen: 52.178 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064505.D
 Acq: 9 Nov 2020 12:13

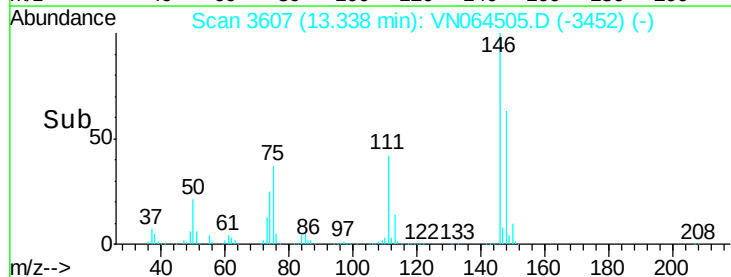
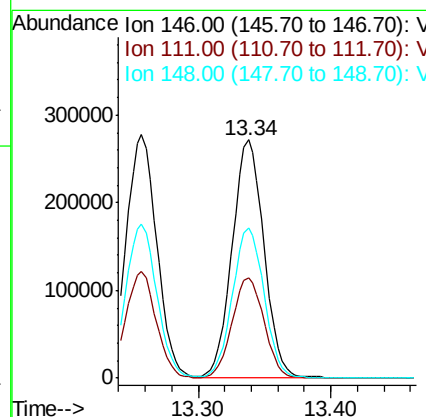
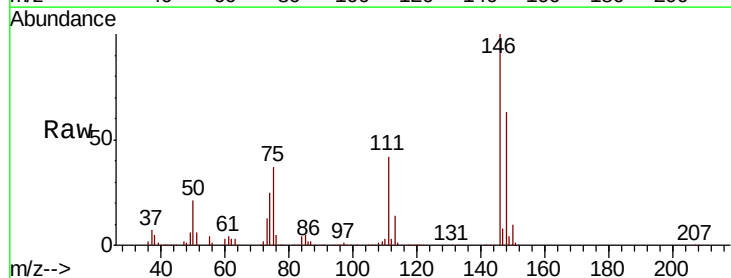
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

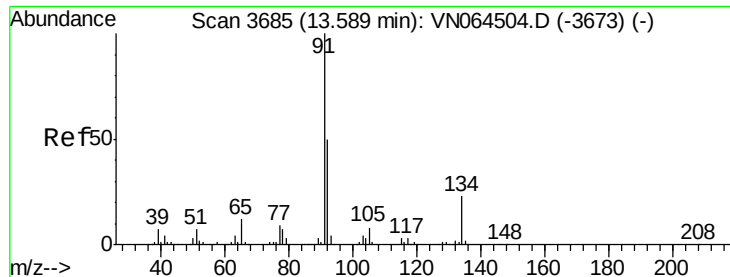
Tot Ion:146 Resp: 453132
 Ion Ratio Lower Upper
 146 100
 111 43.3 22.3 66.9
 148 63.8 31.8 95.3



#84
 1,4-Dichlorobenzene
 Concen: 52.001 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064505.D
 Acq: 9 Nov 2020 12:13

Tgt Ion:146 Resp: 452465
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.8 65.4
 148 62.9 31.5 94.5





#85

n-Butylbenzene

Concen: 58.492 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064505.D

Acq: 9 Nov 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

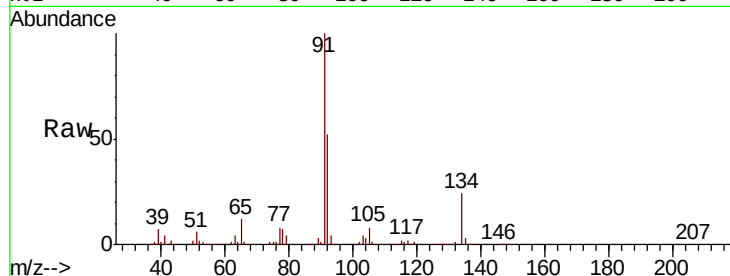
Tot Ion: 91 Resp: 710202

Ion Ratio Lower Upper

91 100

92 51.4 0.0 101.4

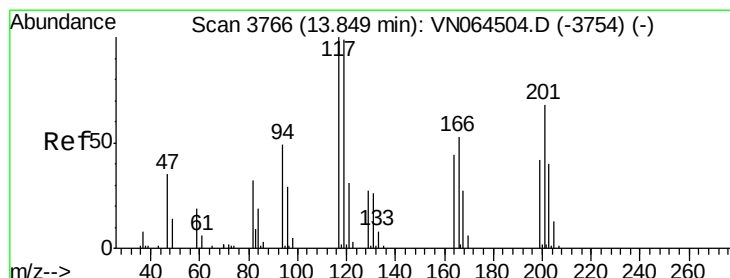
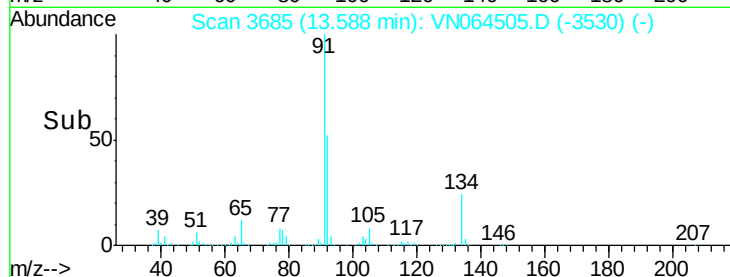
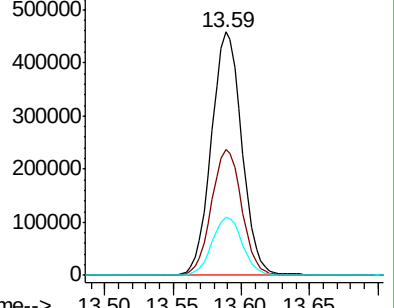
134 24.0 0.0 45.2



Abundance Ion 91.00 (90.70 to 91.70): VN064505.D (-3530) (-)

Ion 92.00 (91.70 to 92.70): VN064505.D (-3530) (-)

Ion 134.00 (133.70 to 134.70): VN064505.D (-3530) (-)



#86

Hexachloroethane

Concen: 55.969 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN064505.D

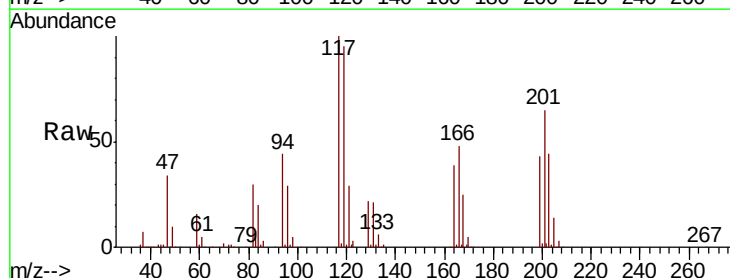
Acq: 9 Nov 2020 12:13

Tgt Ion: 117 Resp: 161776

Ion Ratio Lower Upper

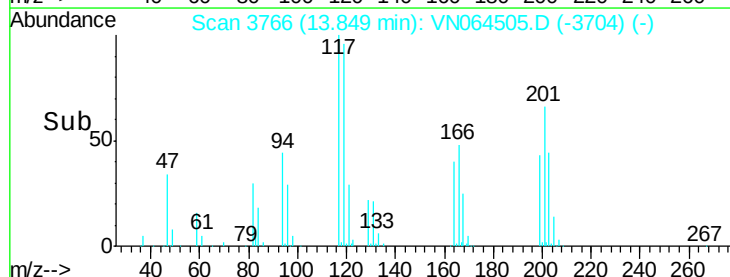
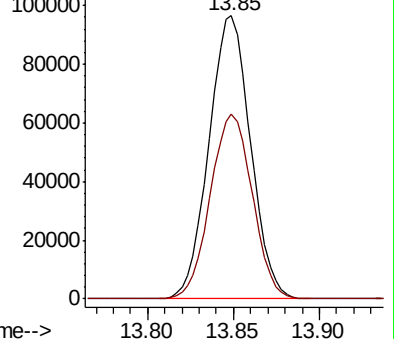
117 100

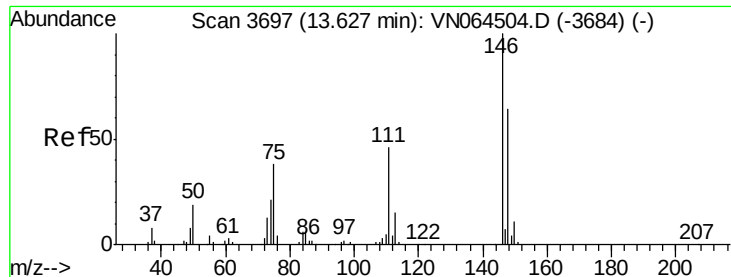
201 66.0 33.1 99.3



Abundance Ion 117.00 (116.70 to 117.70): VN064505.D (-3704) (-)

Ion 201.00 (200.70 to 201.70): VN064505.D (-3704) (-)

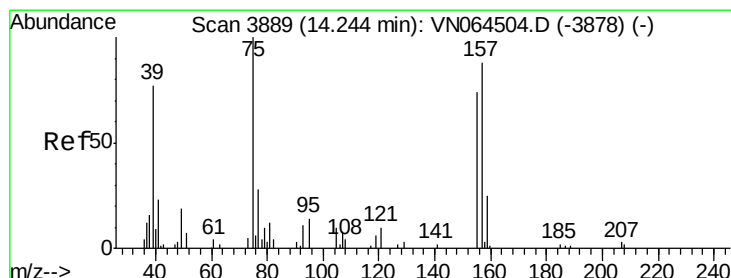
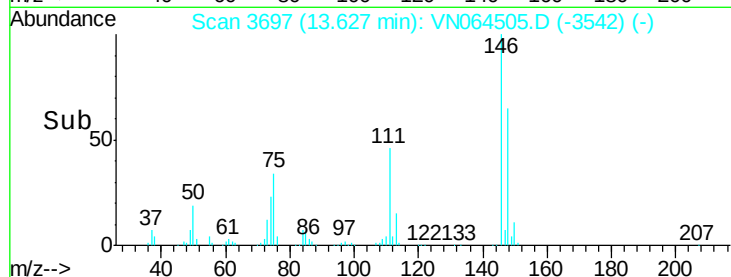
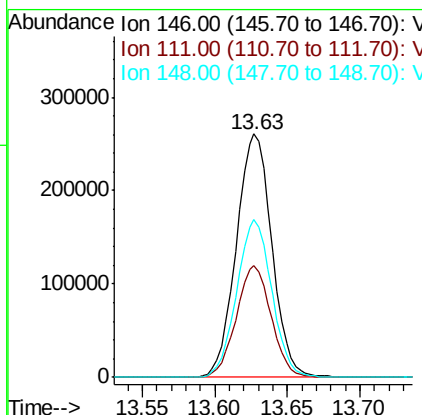
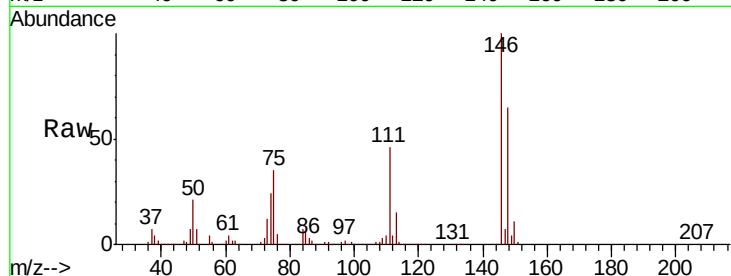




#87
 1,2-Dichlorobenzene
 Concen: 53.155 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN064505.D
 Acq: 9 Nov 2020 12:13

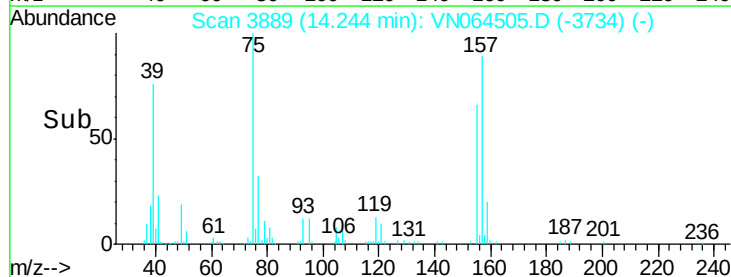
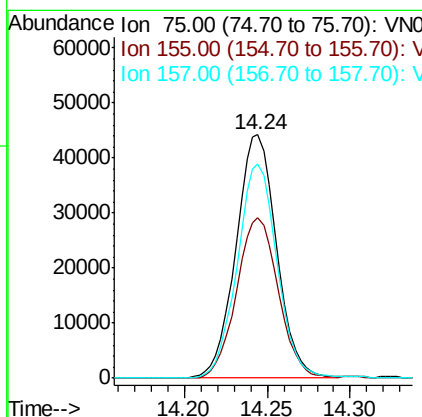
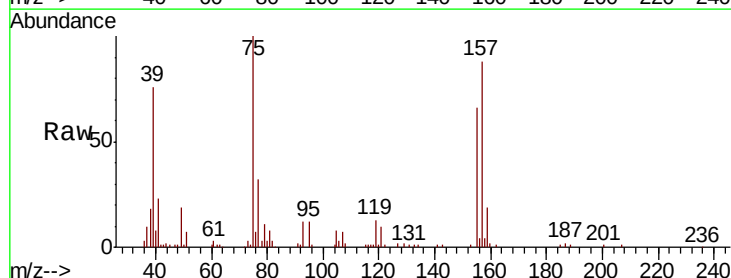
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

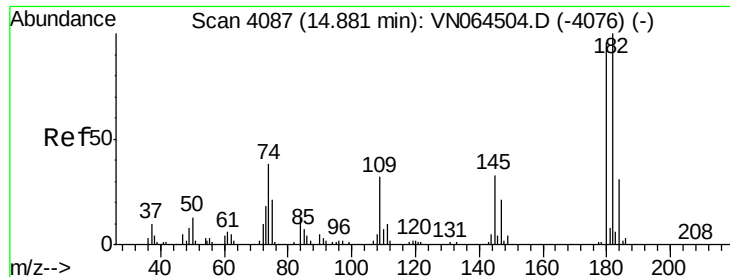
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	23.1	69.2
148	64.1	32.6	97.8



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 62.011 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN064505.D
 Acq: 9 Nov 2020 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.6	56.5	84.7
157	86.6	69.7	104.5

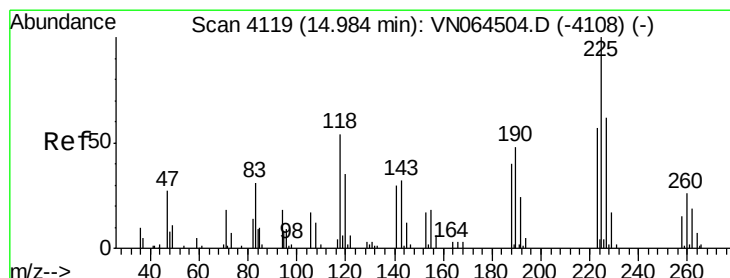
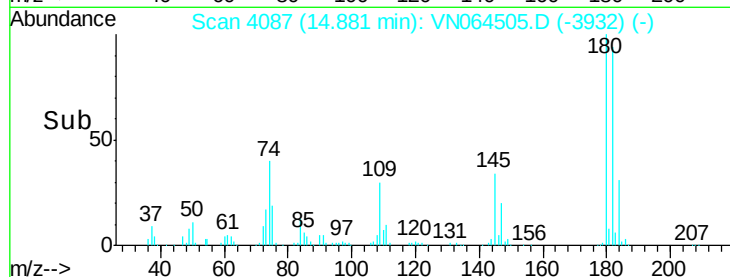
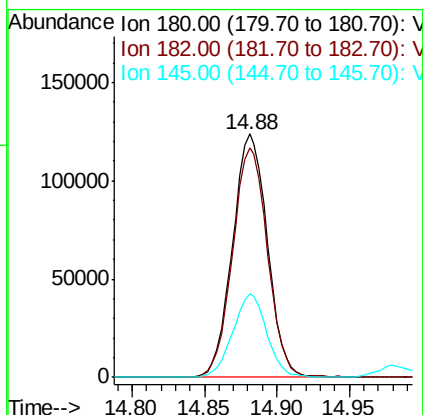
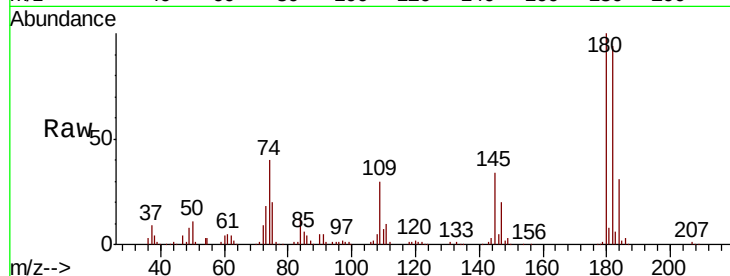




#89
1,2,4-Trichlorobenzene
Concen: 51.415 ug/l
RT: 14.88 min Scan# 4087
Delta R.T. -0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

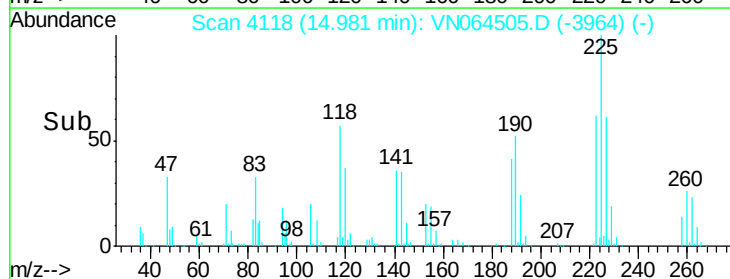
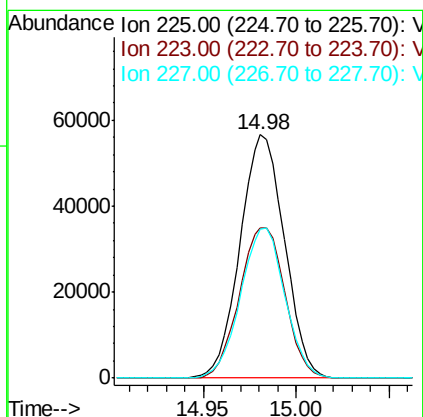
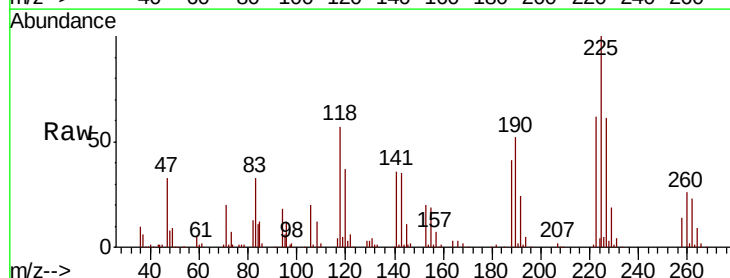
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

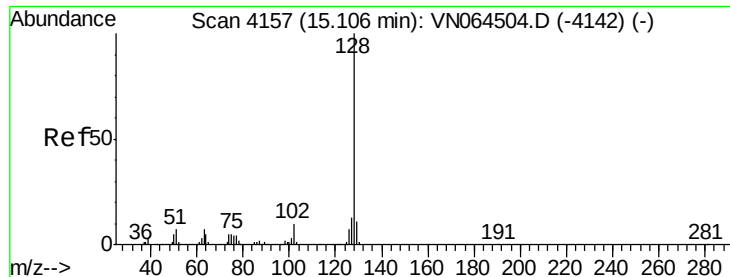
Tot Ion:180 Resp: 206448
Ion Ratio Lower Upper
180 100
182 94.4 79.4 119.0
145 33.3 27.6 41.4



#90
Hexachlorobutadiene
Concen: 44.018 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

Tgt Ion:225 Resp: 94030
Ion Ratio Lower Upper
225 100
223 63.0 0.0 125.4
227 61.6 0.0 122.0

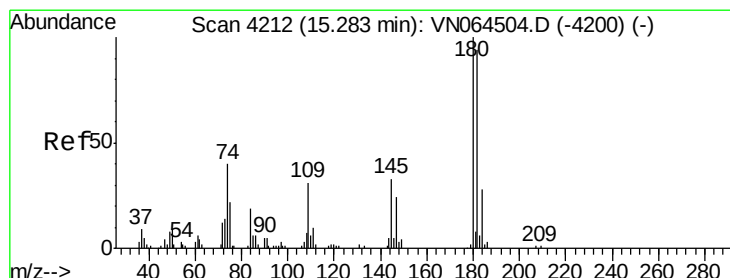
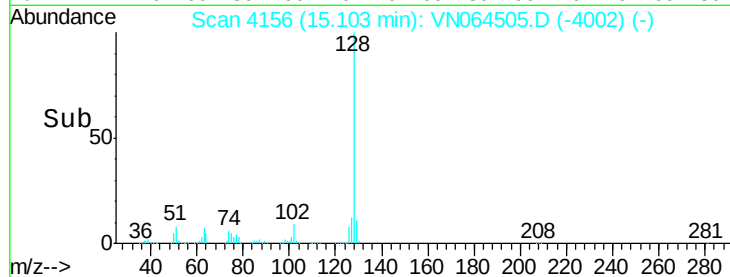
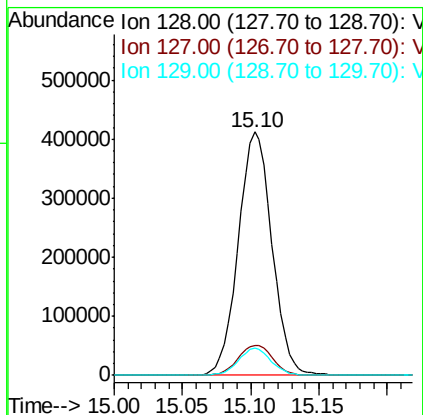
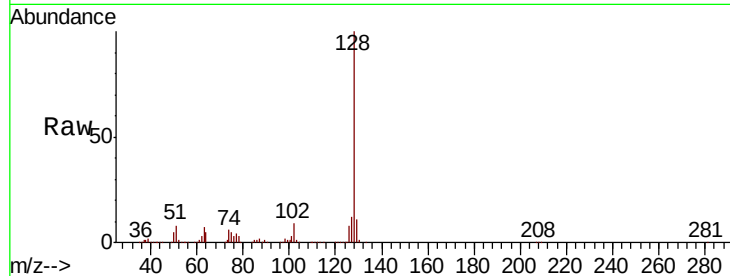




#91
Naphthalene
Concen: 58.071 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion:128 Resp: 706242
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.9 8.5 12.7



#92
1,2,3-Trichlorobenzene
Concen: 51.562 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN064505.D
Acq: 9 Nov 2020 12:13

Tgt Ion:180 Resp: 208254
Ion Ratio Lower Upper
180 100
182 93.4 0.0 186.0
145 34.7 0.0 69.6

