

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101420\
 Data File : VN064116.D
 Acq On : 14 Oct 2020 15:53
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 10/15/2020 12:17:27 PM

Quant Time: Oct 14 16:21:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 15:55:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	403142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	639764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	620141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	315054	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	539596	83.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.58%	
35) Dibromofluoromethane	7.55	113	439570	99.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.46%	
50) Toluene-d8	10.06	98	1730758	103.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.10%	
62) 4-Bromofluorobenzene	12.38	95	611635	98.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	367847	86.917	ug/l	100
3) Chloromethane	2.04	50	426773	85.505	ug/l	100
4) Vinyl Chloride	2.16	62	535230	103.478	ug/l	98
5) Bromomethane	2.52	94	414478	120.921	ug/l	97
6) Chloroethane	2.67	64	405016	124.713	ug/l	95
7) Trichlorofluoromethane	2.98	101	744769	93.285	ug/l	99
8) Diethyl Ether	3.37	74	237501	89.345	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	367823	87.116	ug/l	98
10) Methyl Iodide	3.91	142	546385	108.342	ug/l	100
11) Tert butyl alcohol	4.73	59	303885	427.443	ug/l	99
12) 1,1-Dichloroethene	3.70	96	369505	90.779	ug/l	98
13) Acrolein	3.57	56	246281	530.795	ug/l	99
14) Allyl chloride	4.28	41	581884	79.289	ug/l	98
15) Acrylonitrile	4.93	53	870090	422.701	ug/l	100
16) Acetone	3.77	43	766451	385.282	ug/l	99
17) Carbon Disulfide	4.01	76	1072267	89.809	ug/l	98
18) Methyl Acetate	4.27	43	385287	74.708	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	1150324	80.110	ug/l	99
20) Methylene Chloride	4.50	84	451619	88.397	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	423666	92.328	ug/l	99
22) Diisopropyl ether	5.90	45	1202307	79.848	ug/l	97
23) Vinyl Acetate	5.84	43	5562594	441.407	ug/l	100
24) 1,1-Dichloroethane	5.80	63	783201	88.815	ug/l	99
25) 2-Butanone	6.78	43	1247238	437.939	ug/l	99
26) 2,2-Dichloropropane	6.78	77	643464	81.036	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	501382	95.158	ug/l	98
28) Bromochloromethane	7.15	49	392917	91.618	ug/l #	97
29) Tetrahydrofuran	7.16	42	736755	391.196	ug/l	99
30) Chloroform	7.33	83	824586	89.129	ug/l	98
31) Cyclohexane	7.61	56	572107	76.256	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	731985	88.418	ug/l	98
36) 1,1-Dichloropropene	7.75	75	617393	95.428	ug/l	100
37) Ethyl Acetate	6.88	43	550615	86.845	ug/l	99
38) Carbon Tetrachloride	7.73	117	653879	90.707	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	562593	89.371	ug/l	98
40) Benzene	8.00	78	1860159	99.649	ug/l	99
41) Methacrylonitrile	7.12	41	260780	94.835	ug/l	96
42) 1,2-Dichloroethane	8.08	62	652314	84.088	ug/l	99
43) Isopropyl Acetate	8.13	43	931123	90.141	ug/l #	91
44) Trichloroethene	8.80	130	493420	100.555	ug/l	96
45) 1,2-Dichloropropane	9.08	63	478953	95.915	ug/l	99
46) Dibromomethane	9.17	93	339786	98.104	ug/l	98
47) Bromodichloromethane	9.37	83	681584	96.161	ug/l	99
48) Methyl methacrylate	9.16	41	450531	88.152	ug/l	99
49) 1,4-Dioxane	9.16	88	125536	1727.001	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	2803581	460.836	ug/l	98
52) Toluene	10.13	92	1212436	104.999	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	748767	99.169	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	793281	100.150	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	474217	102.656	ug/l	98
56) Ethyl methacrylate	10.40	69	684898	105.850	ug/l	98
57) 1,3-Dichloropropane	10.68	76	790524	101.609	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	1831769	532.175	ug/l	99
59) 2-Hexanone	10.72	43	2088421	463.505	ug/l	100
60) Dibromochloromethane	10.87	129	558602	103.579	ug/l	100
61) 1,2-Dibromoethane	10.98	107	505180	106.503	ug/l	99
64) Tetrachloroethene	10.60	164	454484	93.604	ug/l	98
65) Chlorobenzene	11.41	112	1300790	101.073	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	501030	101.961	ug/l	99
67) Ethyl Benzene	11.48	91	2327880	100.715	ug/l	100
68) m/p-Xylenes	11.59	106	1787379	206.211	ug/l	97
69) o-Xylene	11.92	106	854087	105.395	ug/l	98
70) Styrene	11.94	104	1478885	107.789	ug/l	99
71) Bromoform	12.10	173	405011	108.026	ug/l #	98
73) Isopropylbenzene	12.22	105	2204291	95.792	ug/l	99
74) N-amyl acetate	12.05	43	876394	94.374	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	686977	96.875	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	662262m	95.261	ug/l	
77) Bromobenzene	12.50	156	582292	101.488	ug/l	100
78) n-propylbenzene	12.57	91	2520348	94.241	ug/l	99
79) 2-Chlorotoluene	12.65	91	1511169	91.646	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1854620	96.064	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	238229	99.336	ug/l	98
82) 4-Chlorotoluene	12.75	91	1609579	94.422	ug/l	99
83) tert-Butylbenzene	12.97	119	1517417	96.144	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	1877949	97.926	ug/l	99
85) sec-Butylbenzene	13.15	105	1983389	95.887	ug/l	99
86) p-Isopropyltoluene	13.26	119	1810530	99.070	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	1040159	100.997	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	1038221	96.728	ug/l	99
89) n-Butylbenzene	13.59	91	1544200	92.839	ug/l	99
90) Hexachloroethane	13.85	117	303675	87.336	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	1017908	99.242	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	134571	83.122	ug/l	95

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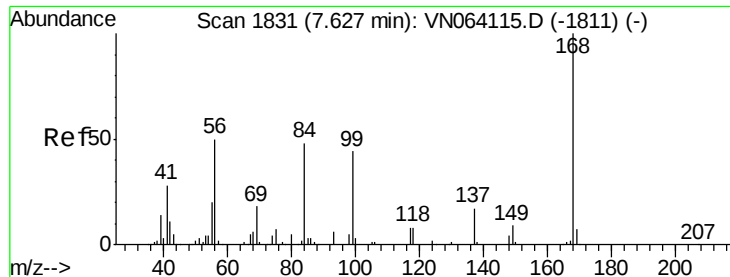
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	498872	91.122	ug/l	97
94) Hexachlorobutadiene	14.98	225	240118	75.805	ug/l	98
95) Naphthalene	15.10	128	1535030	92.067	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	495767	89.851	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 403142

Ion Ratio Lower Upper

168 100

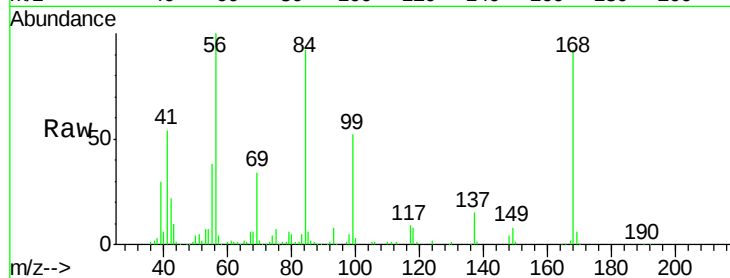
99 55.5 43.6 65.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

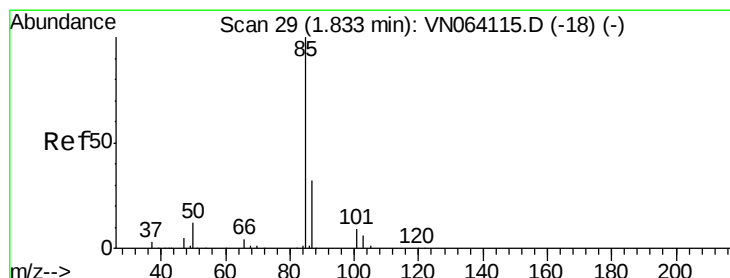
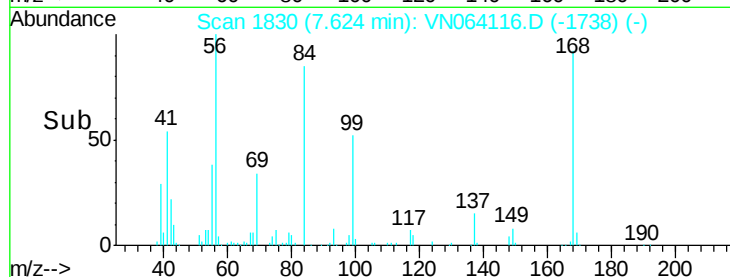
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 86.917 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064116.D

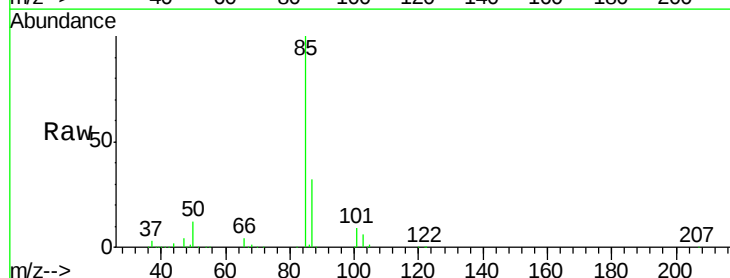
Acq: 14 Oct 2020 15:53

Tgt Ion: 85 Resp: 367847

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

300000

250000

200000

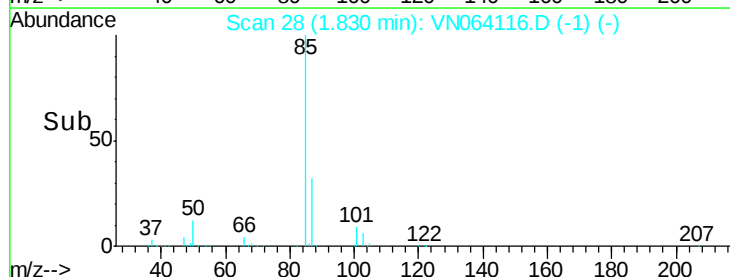
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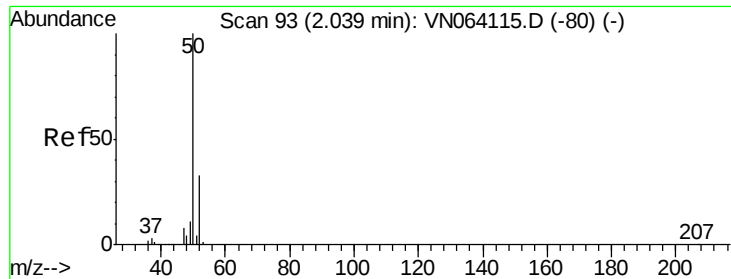
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50000

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Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 85.505 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 426773

Ion Ratio Lower Upper

50 100

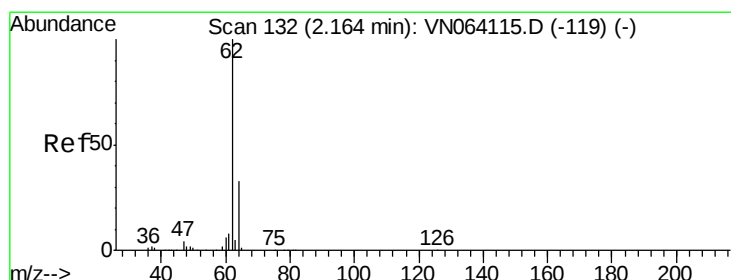
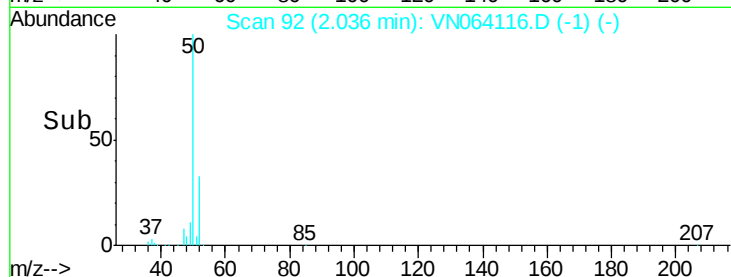
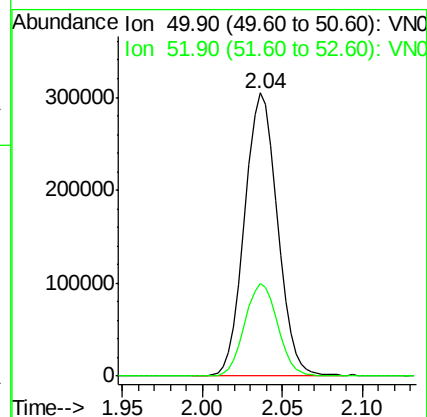
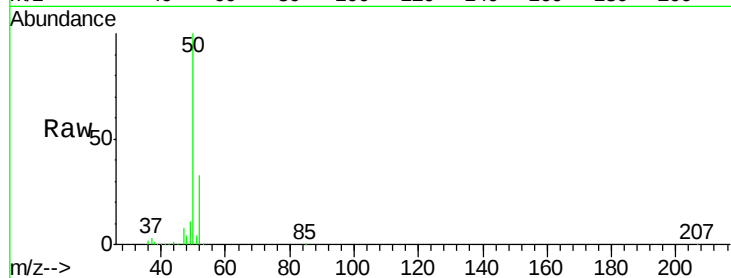
52 32.7 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 103.478 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064116.D

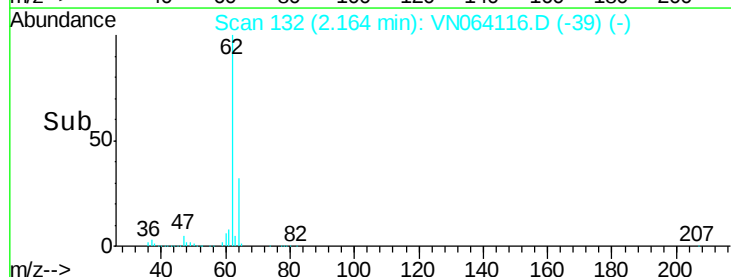
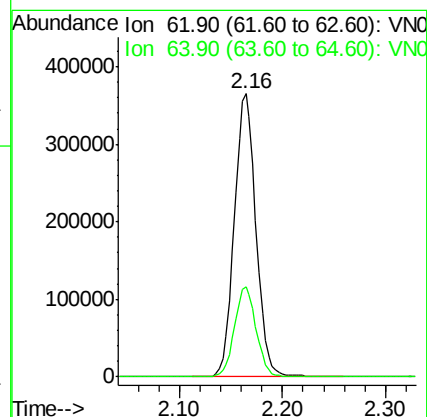
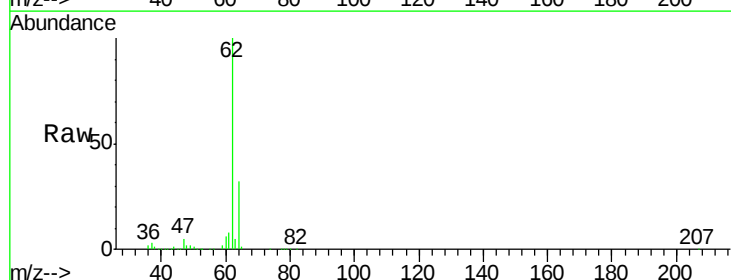
Acq: 14 Oct 2020 15:53

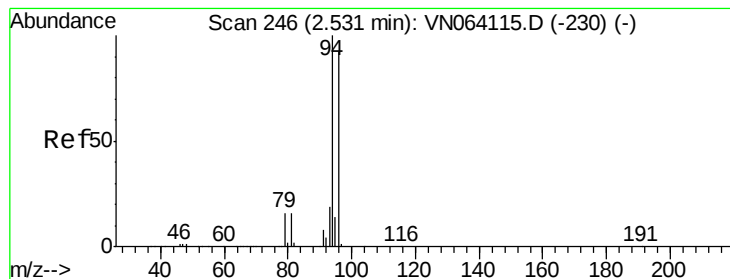
Tgt Ion: 62 Resp: 535230

Ion Ratio Lower Upper

62 100

64 31.8 26.2 39.4





#5

Bromomethane

Concen: 120.921 ug/l

RT: 2.52 min Scan# 242

Delta R.T. -0.01 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 414478

Ion Ratio Lower Upper

94 100

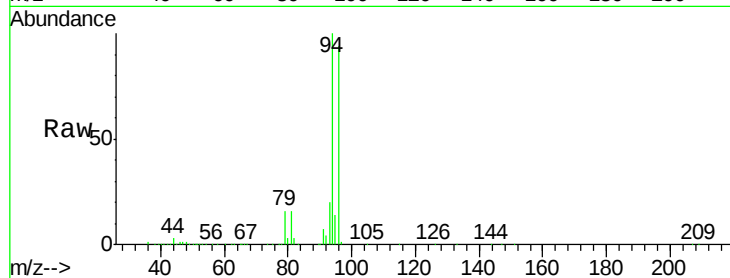
96 94.4 73.5 110.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

250000

200000

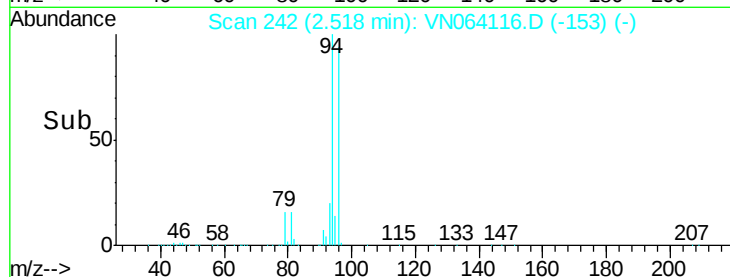
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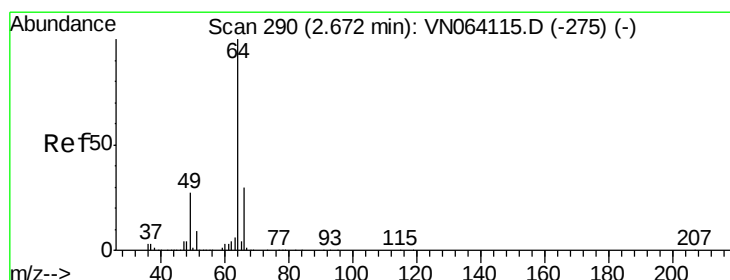
50000

0

Time-->



Time-->



#6

Chloroethane

Concen: 124.713 ug/l

RT: 2.67 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN064116.D

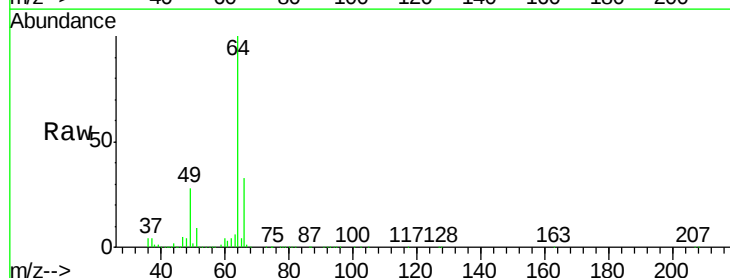
Acq: 14 Oct 2020 15:53

Tgt Ion: 64 Resp: 405016

Ion Ratio Lower Upper

64 100

66 32.8 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

200000

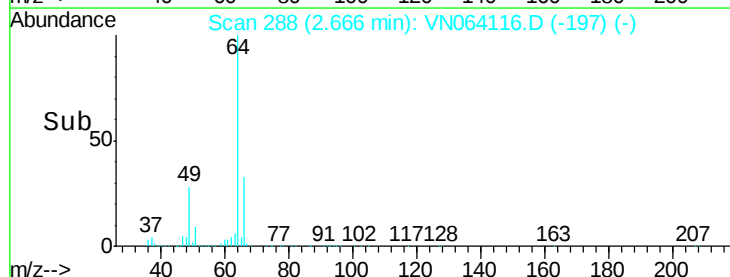
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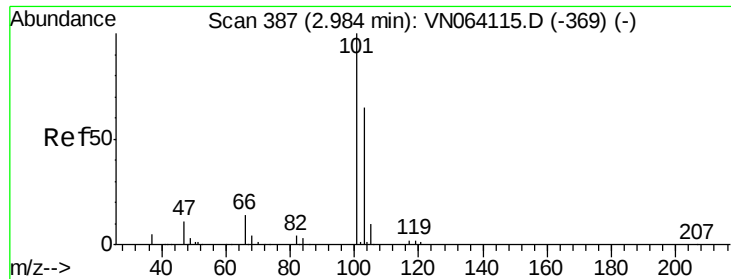
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Time-->



Time-->



#7

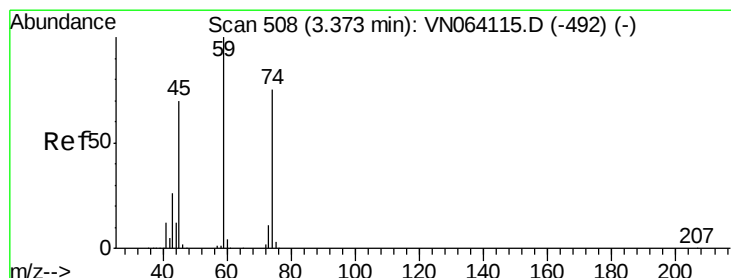
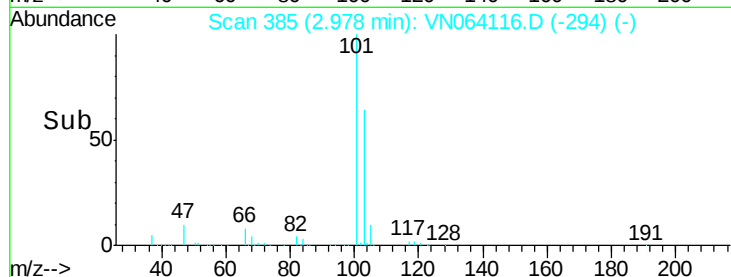
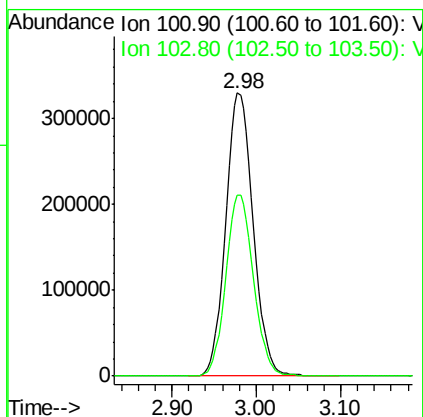
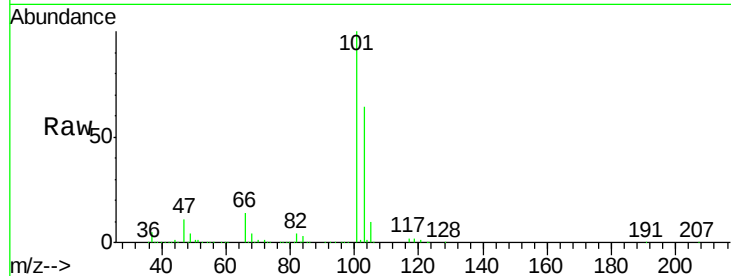
Trichlorofluoromethane
Concen: 93.285 ug/l
RT: 2.98 min Scan# 385
Delta R.T. -0.01 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.8	77.6

Manual Integrations
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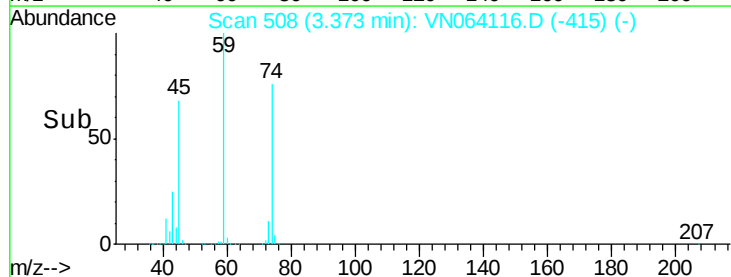
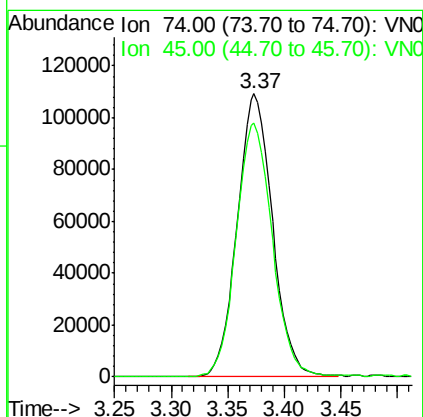
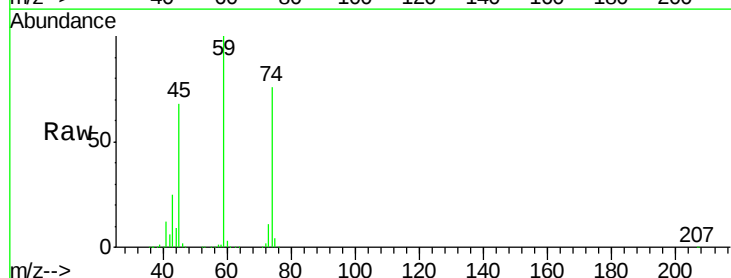
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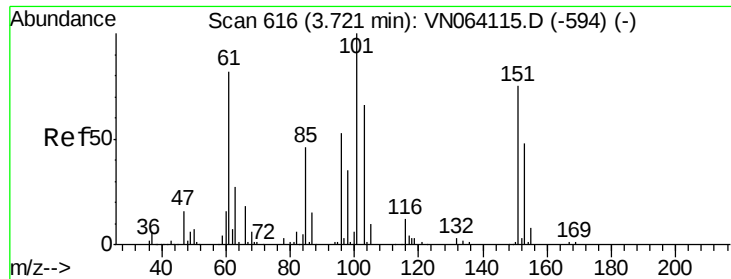


#8

Diethyl Ether
Concen: 89.345 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.8	47.0	141.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 87.116 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

Instrument :

MSVOA_N

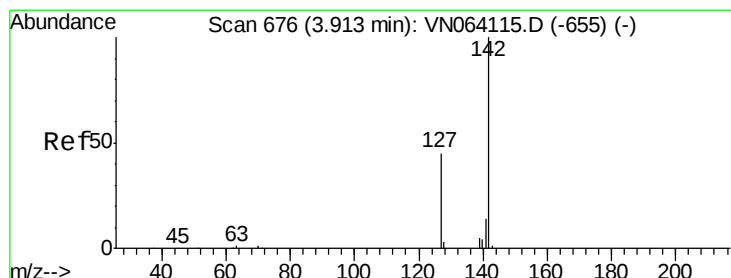
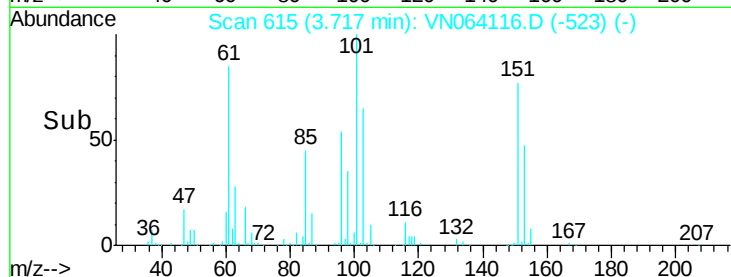
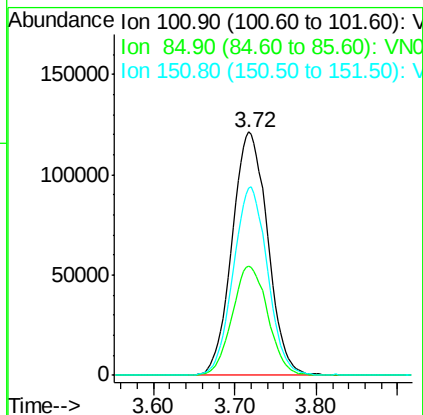
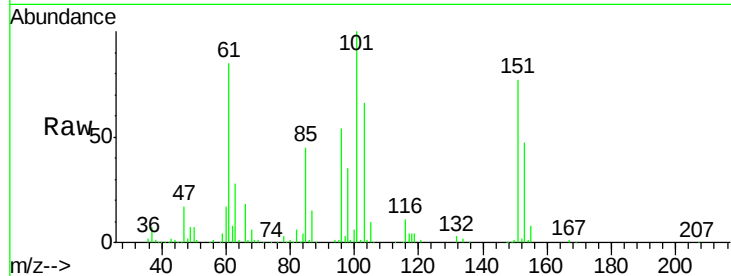
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	367823
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.9	55.3
151	74.6	60.7	91.1

Manual Integrations
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#10

Methyl Iodide

Concen: 108.342 ug/l

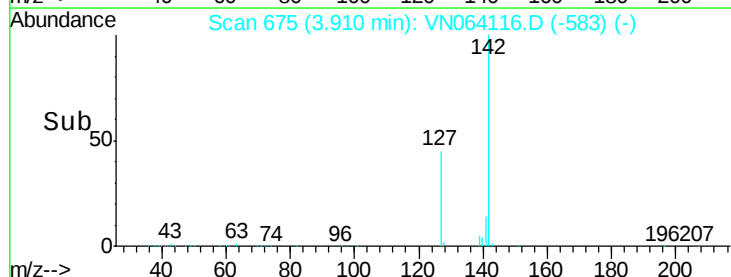
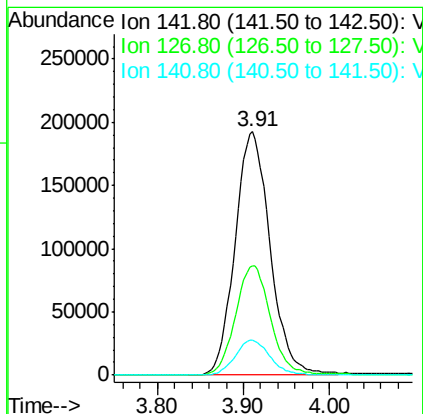
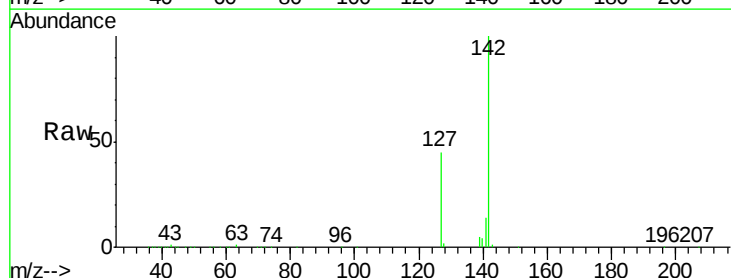
RT: 3.91 min Scan# 675

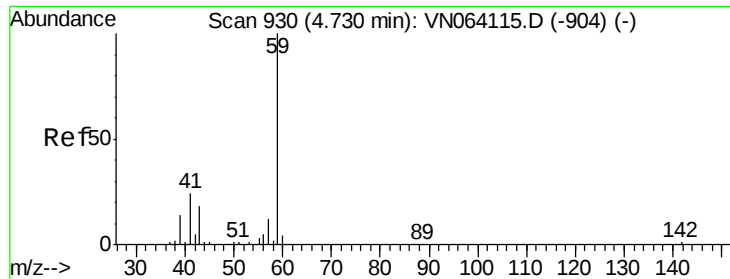
Delta R.T. -0.00 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

Tgt Ion:	142	Resp:	546385
Ion Ratio	Lower	Upper	
142	100		
127	45.2	36.3	54.5
141	14.4	11.6	17.4





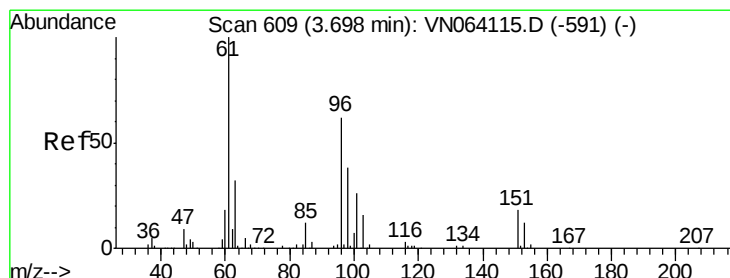
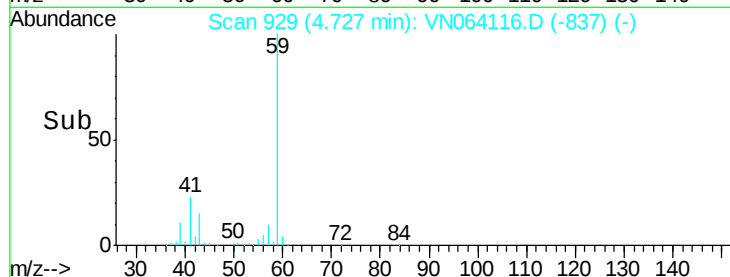
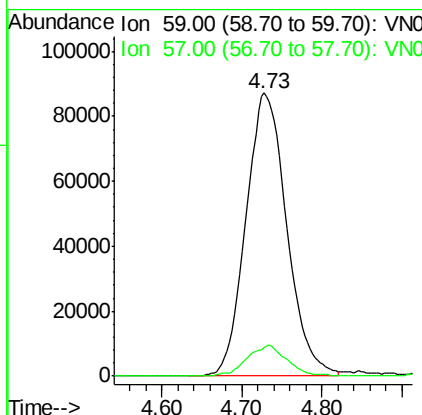
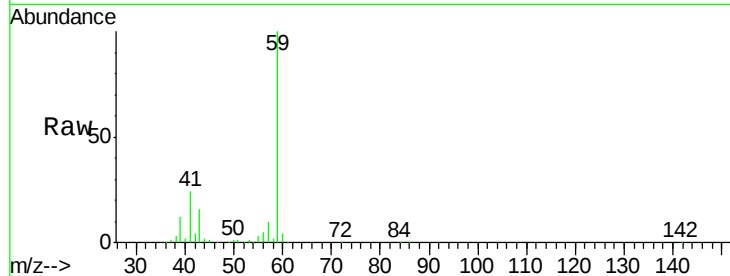
#11
Tert butyl alcohol
Concen: 427.443 ug/l
RT: 4.73 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.9	13.3

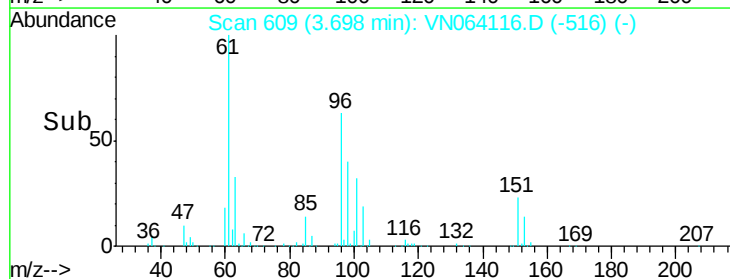
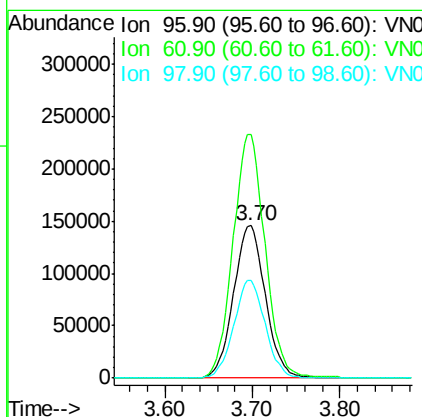
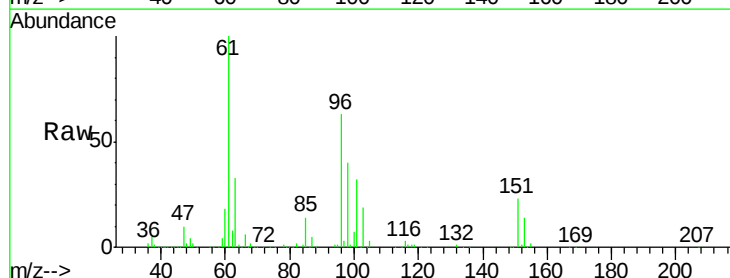
Manual Integrations
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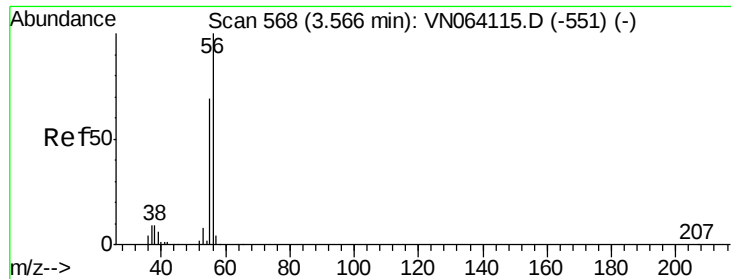
MMDadoda
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#12
1,1-Dichloroethene
Concen: 90.779 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.8	129.9	194.9
98	63.8	48.9	73.3





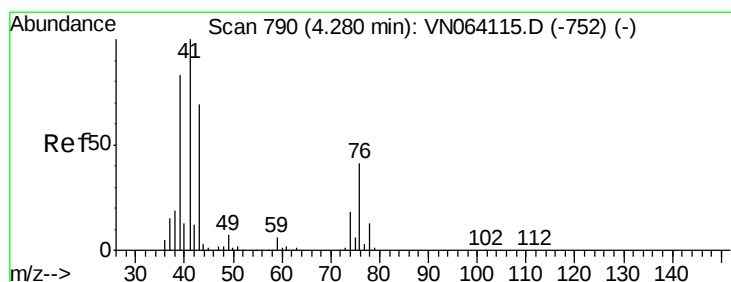
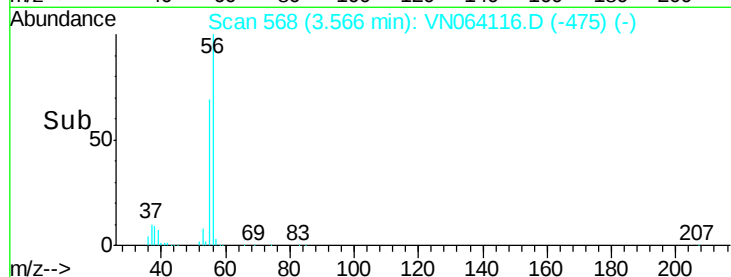
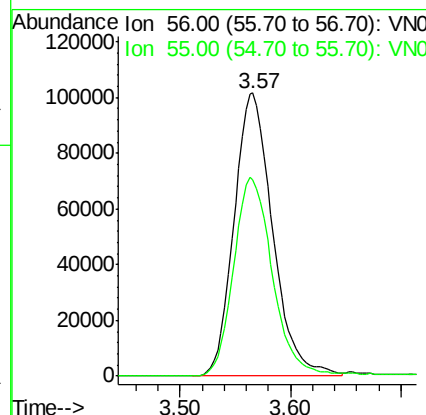
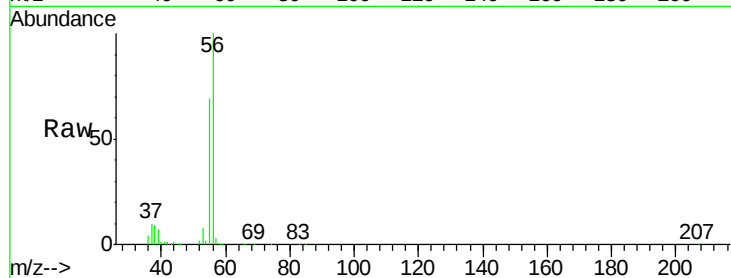
#13
Acrolein
Concen: 530.795 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		246281		
55	70.3			55.8	83.6

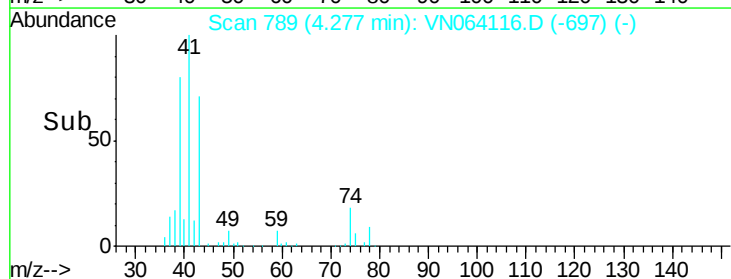
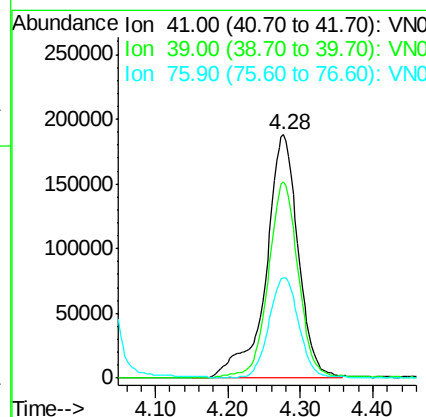
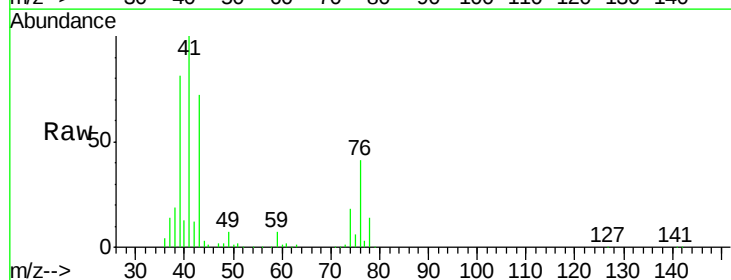
Manual Integrations
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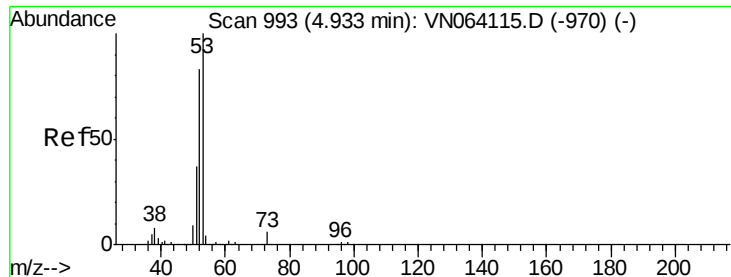
MMDadoda
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#14
Allyl chloride
Concen: 79.289 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
41	100		581884		
39	74.3			60.5	90.7
76	37.9			29.5	44.3





#15

Acrylonitrile

Concen: 422.701 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

Instrument :

MSVOA_N

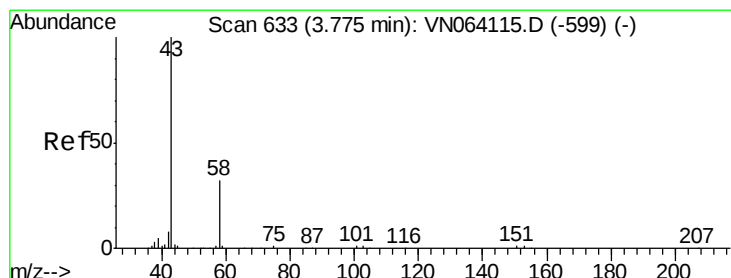
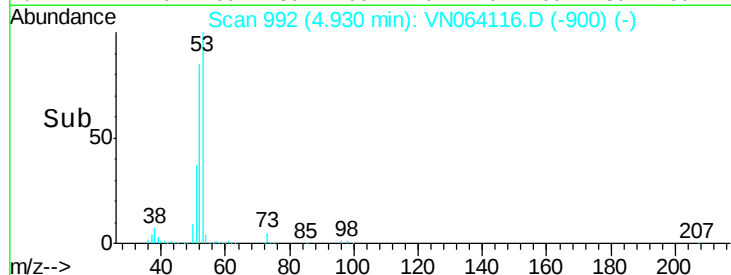
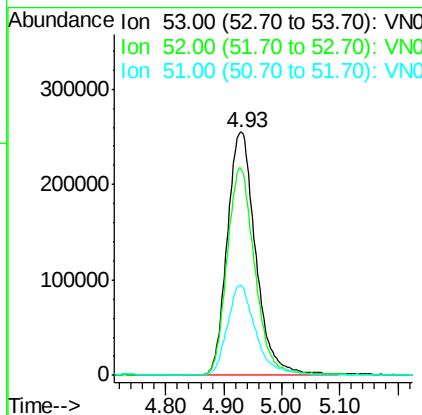
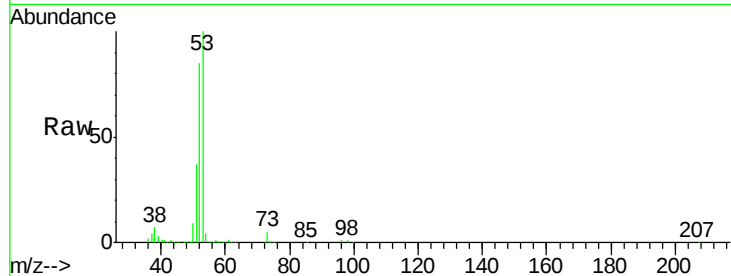
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	870090
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.8	98.6
51	36.9	29.4	44.2

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#16

Acetone

Concen: 385.282 ug/l

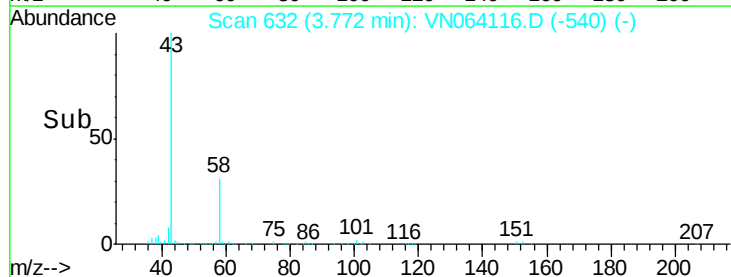
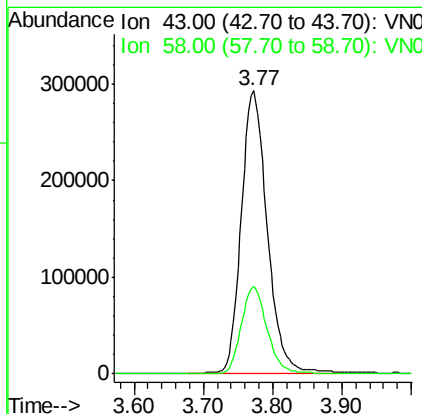
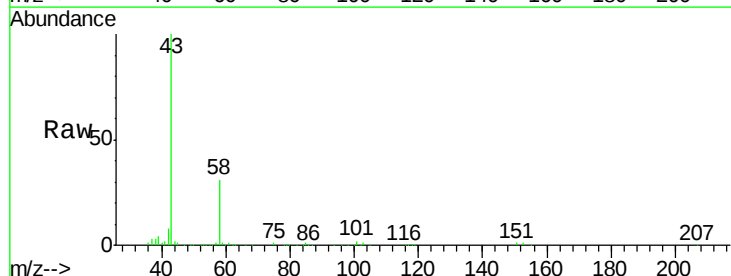
RT: 3.77 min Scan# 632

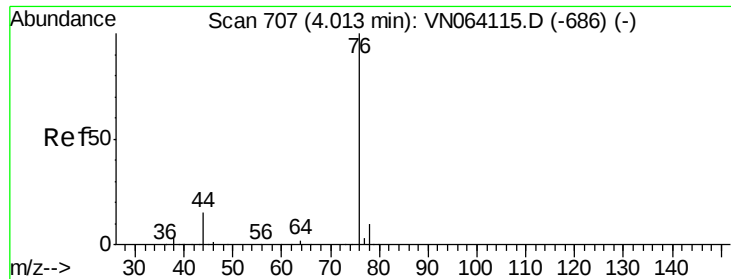
Delta R.T. -0.00 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

Tgt Ion:	43	Resp:	766451
Ion	Ratio	Lower	Upper
43	100		
58	30.7	25.2	37.8





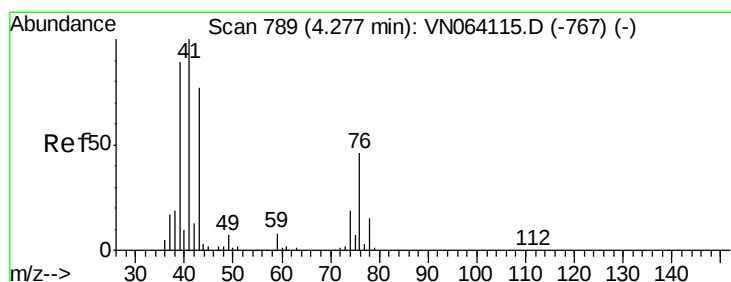
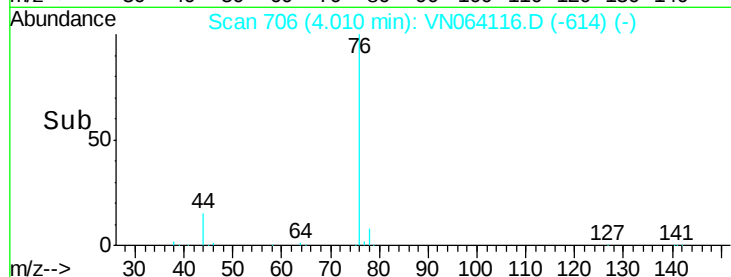
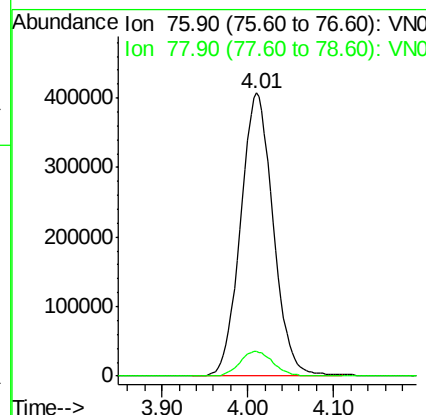
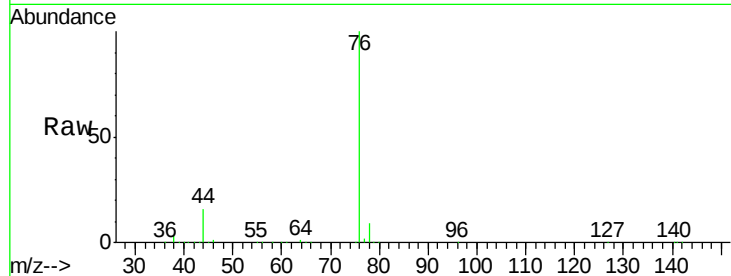
#17
Carbon Disulfide
Concen: 89.809 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 1072267
Ion Ratio Lower Upper
76 100
78 8.7 7.6 11.4

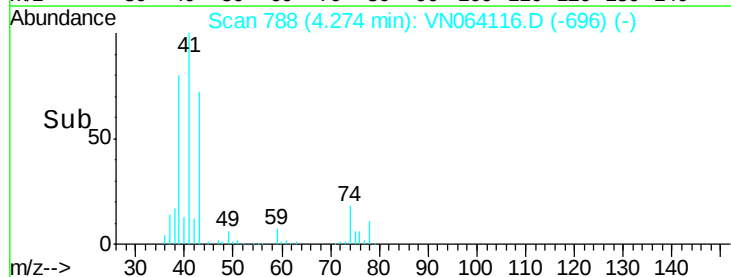
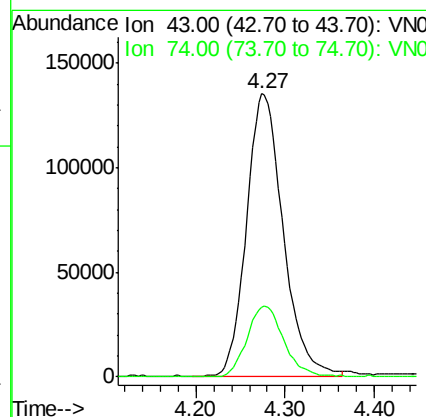
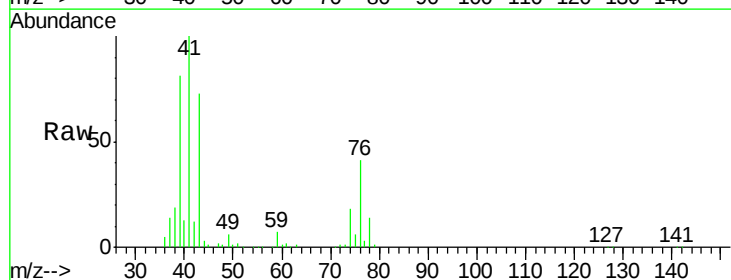
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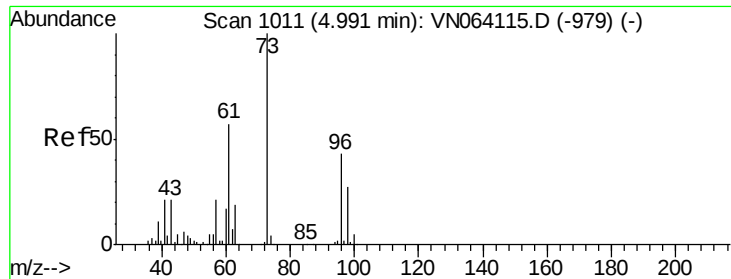
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#18
Methyl Acetate
Concen: 74.708 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion: 43 Resp: 385287
Ion Ratio Lower Upper
43 100
74 25.4 19.7 29.5





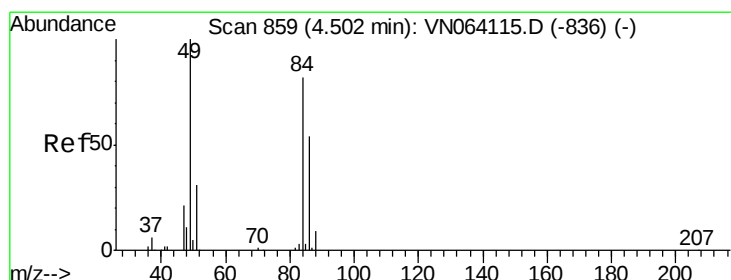
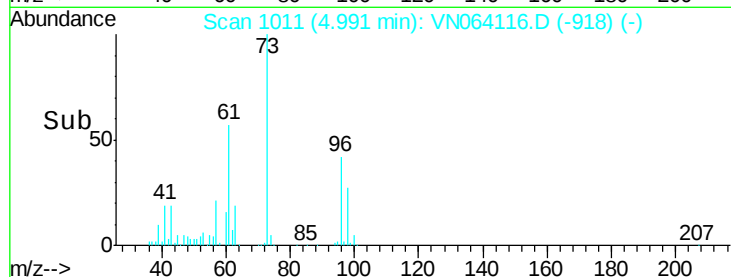
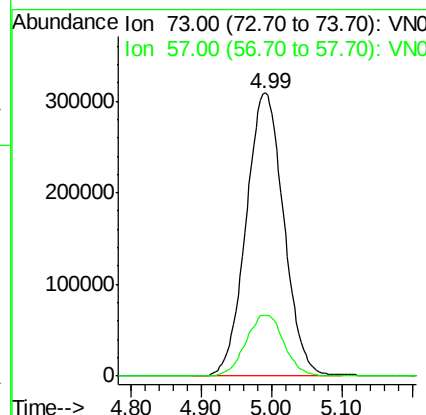
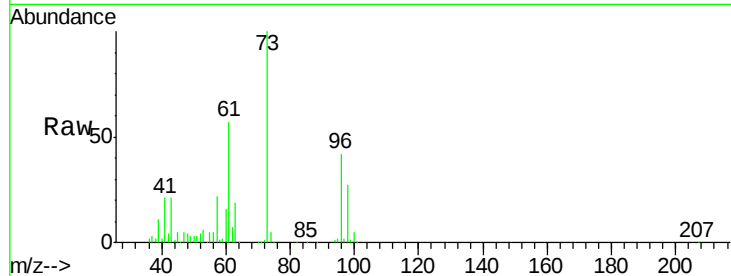
#19
Methvl tert-butvl Ether
Concen: 80.110 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1150324
Ion Ratio Lower Upper
73 100
57 21.6 17.0 25.4

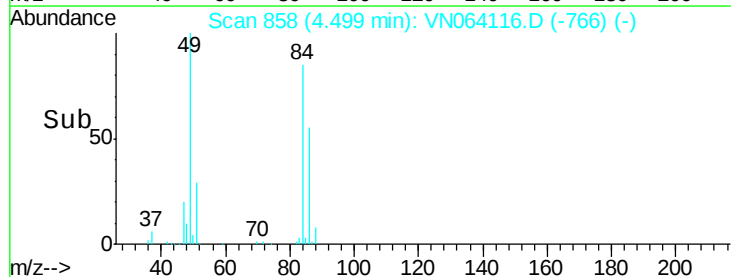
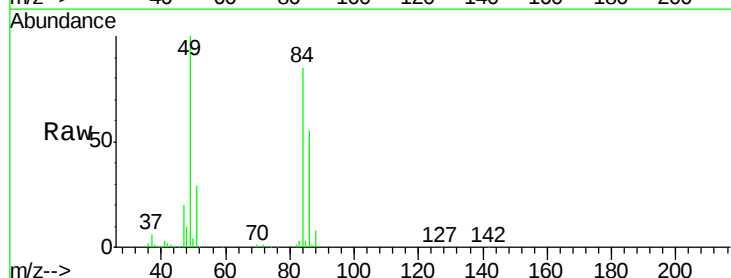
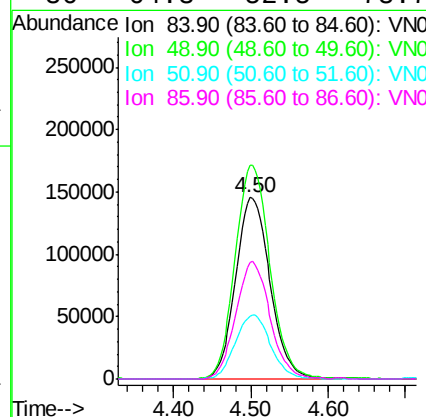
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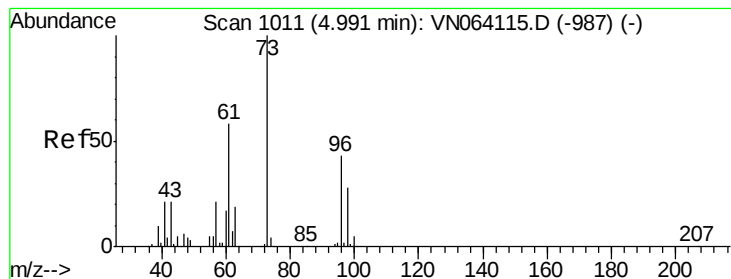
MMDadoda
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#20
Methylene Chloride
Concen: 88.397 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion: 84 Resp: 451619
Ion Ratio Lower Upper
84 100
49 117.9 97.4 146.0
51 34.4 29.7 44.5
86 64.3 52.5 78.7





#21

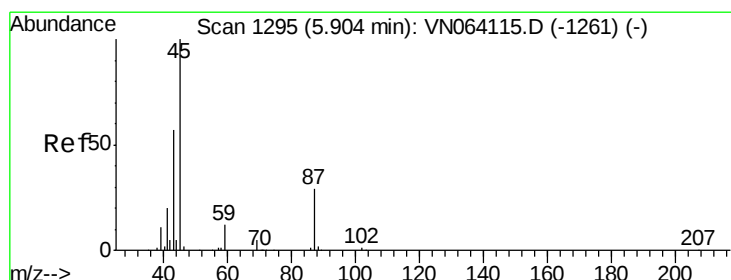
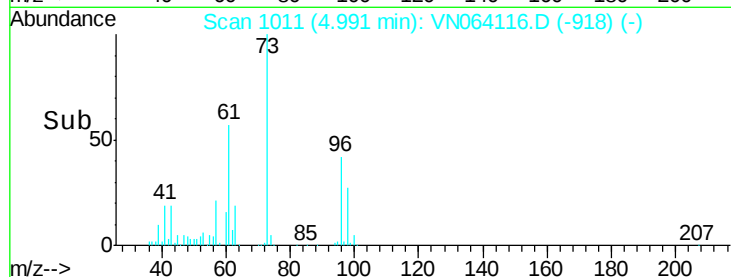
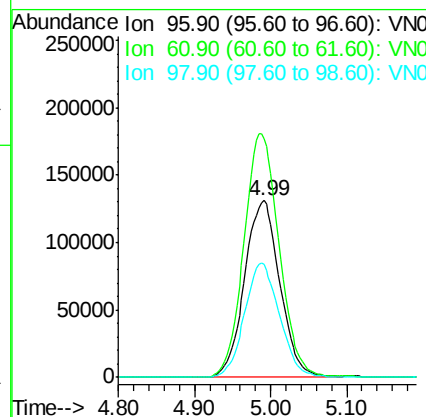
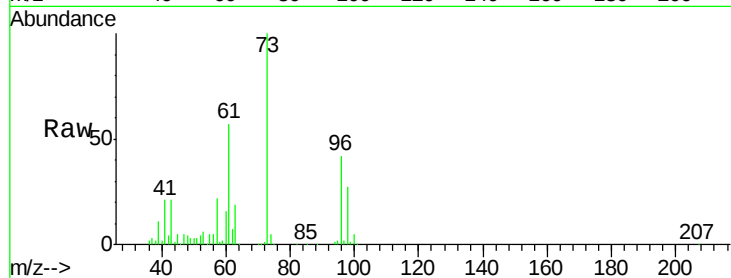
trans-1,2-Dichloroethene
Concen: 92.328 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.0	107.0	160.4
98	63.8	51.0	76.6

Manual Integrations
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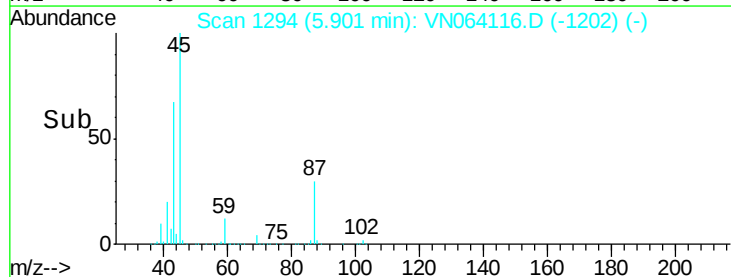
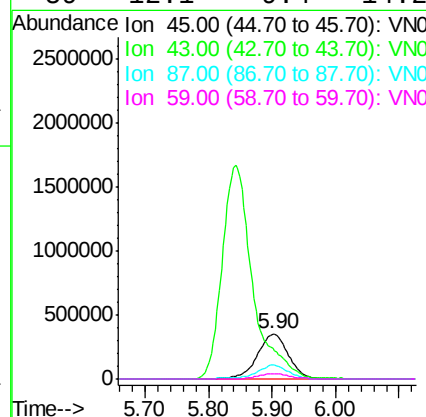
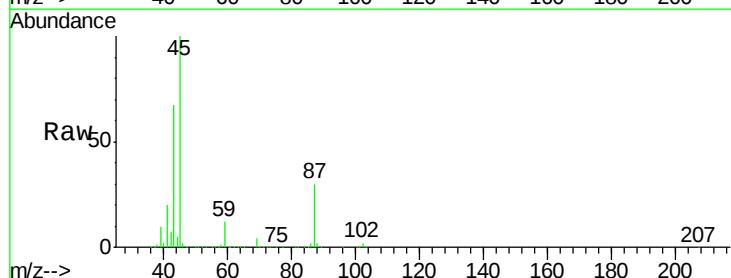
MMDadoda
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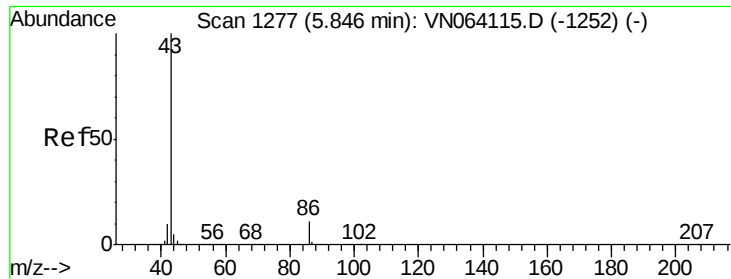


#22

Diisopropyl ether
Concen: 79.848 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.8	50.9	76.3
87	30.3	23.5	35.3
59	12.1	9.4	14.2





#23

Vinyl Acetate

Concen: 441.407 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 5562594

Ion Ratio Lower Upper

43 100

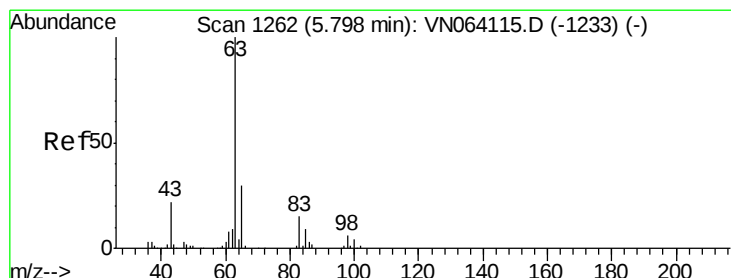
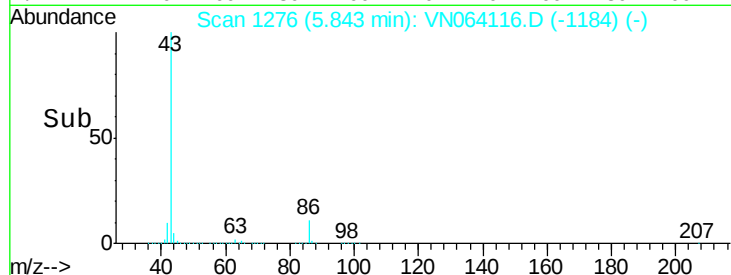
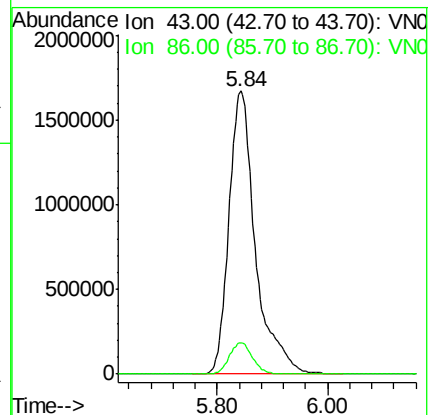
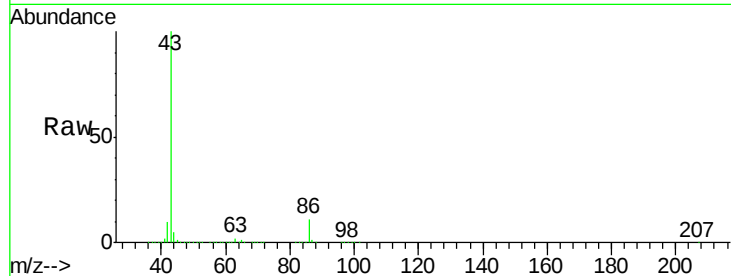
86 11.0 8.8 13.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 88.815 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

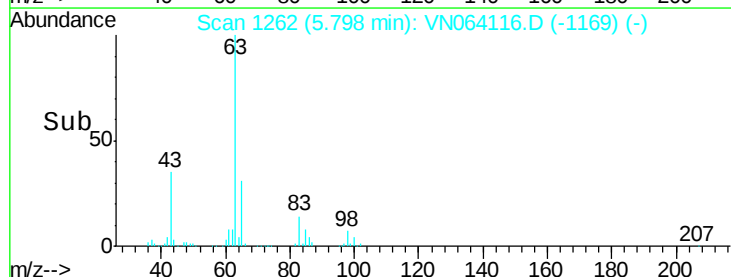
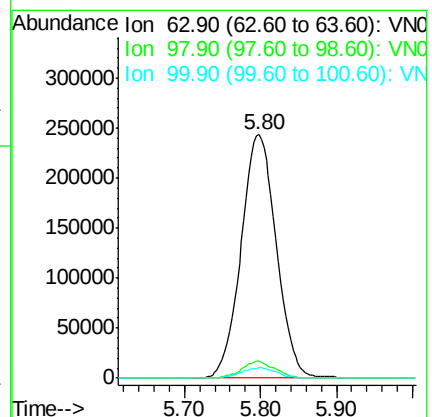
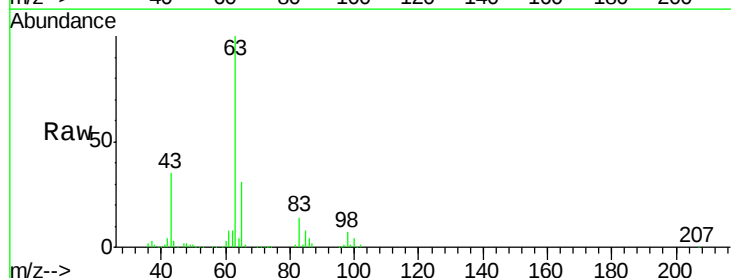
Tgt Ion: 63 Resp: 783201

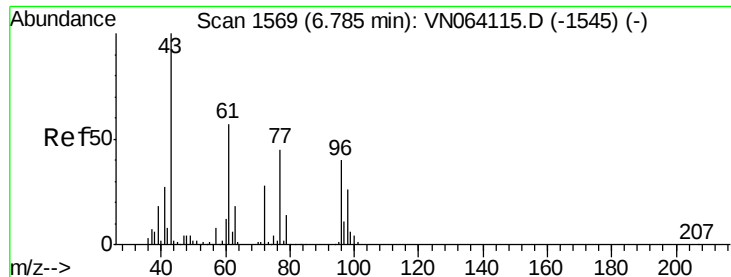
Ion Ratio Lower Upper

63 100

98 6.8 3.1 9.3

100 4.2 2.1 6.2





#25

2-Butanone

Concen: 437.939 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1247238

Ion Ratio Lower Upper

43 100

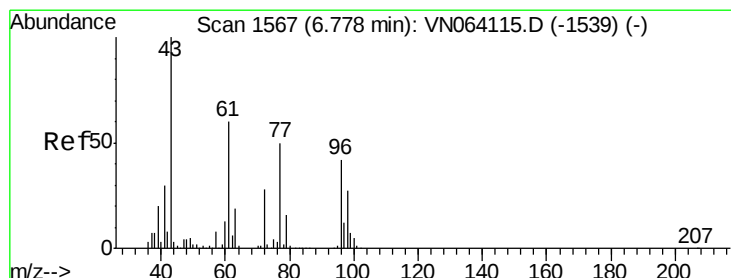
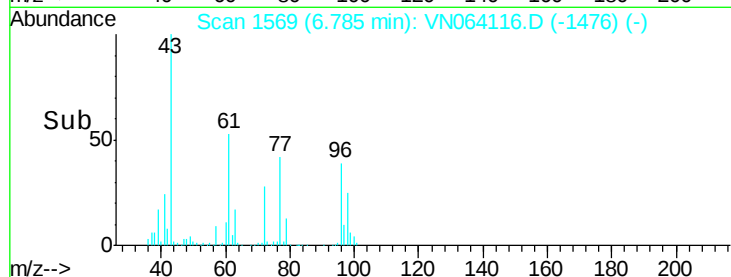
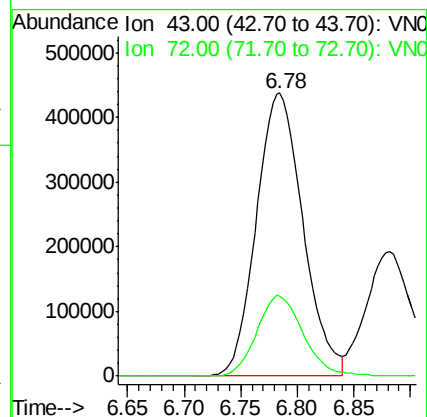
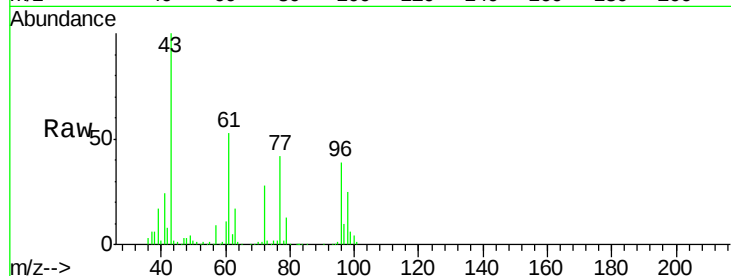
72 28.3 22.2 33.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 81.036 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064116.D

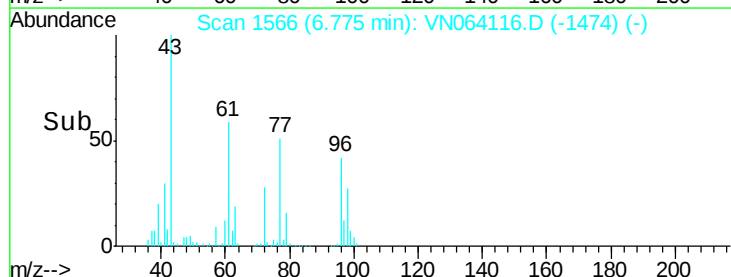
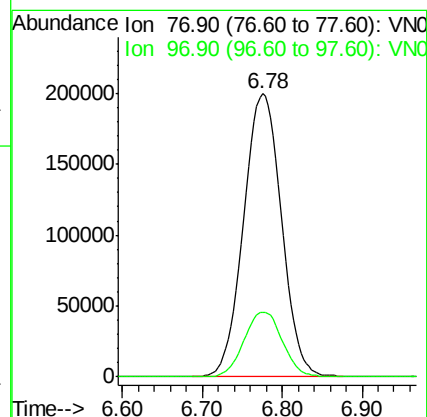
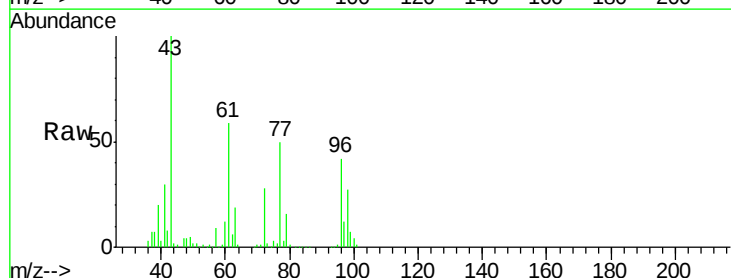
Acq: 14 Oct 2020 15:53

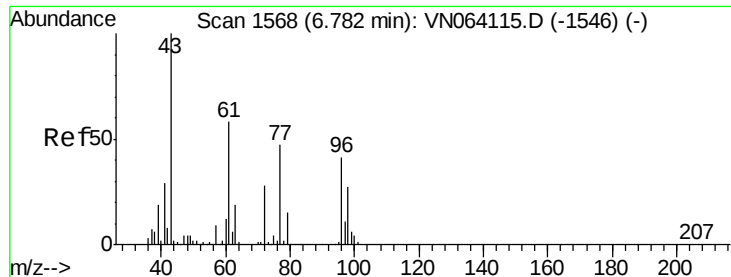
Tgt Ion: 77 Resp: 643464

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 95.158 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

Instrument :

MSVOA_N

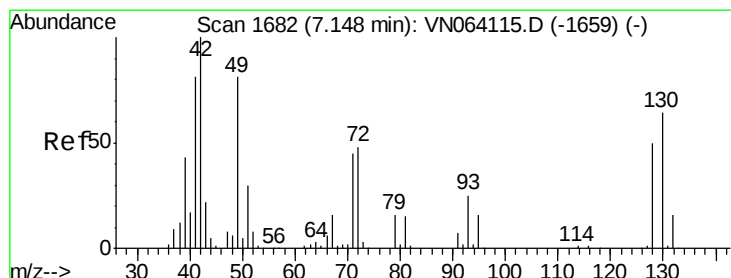
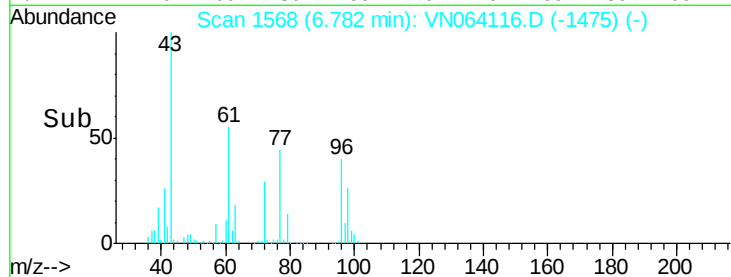
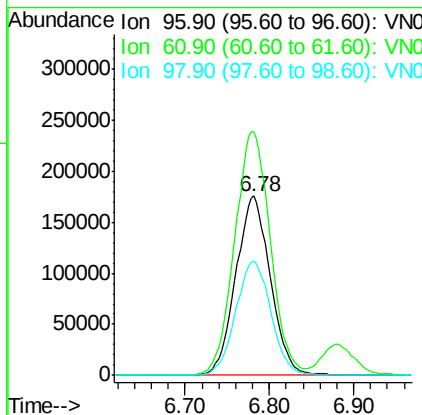
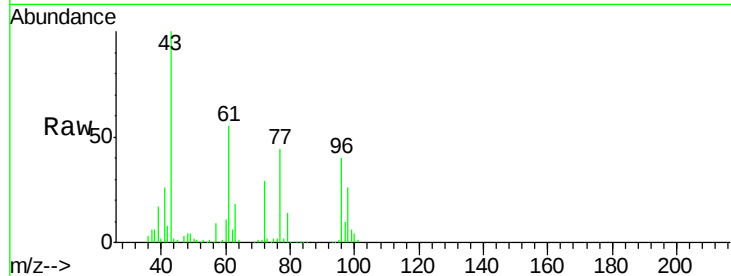
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	501382
Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	285.6
98	65.0	0.0	131.0

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#28

Bromochloromethane

Concen: 91.618 ug/l

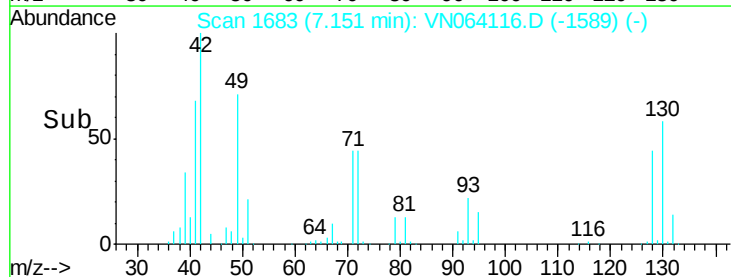
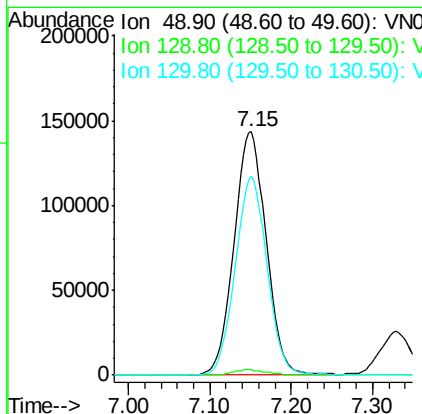
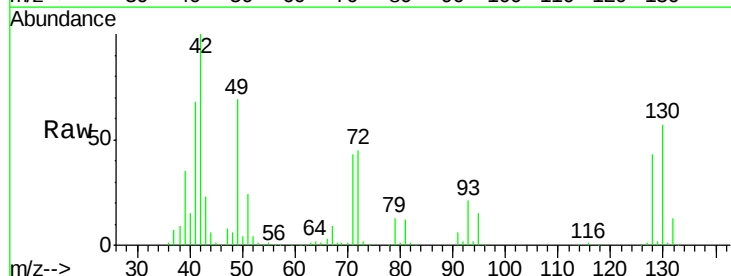
RT: 7.15 min Scan# 1683

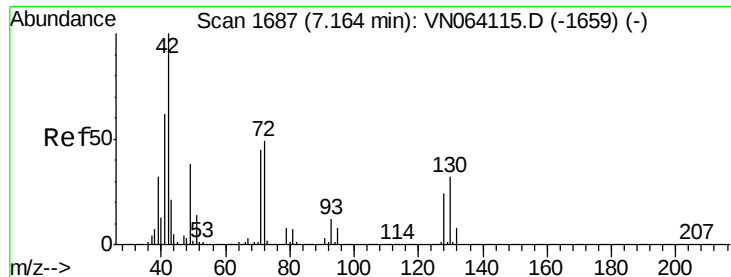
Delta R.T. 0.00 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

Tgt Ion:	49	Resp:	392917
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.0#
130	80.3	0.0	0.0#





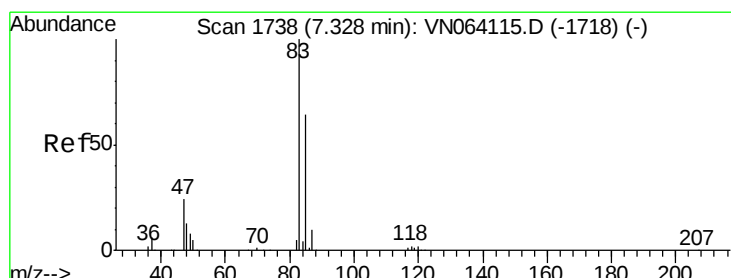
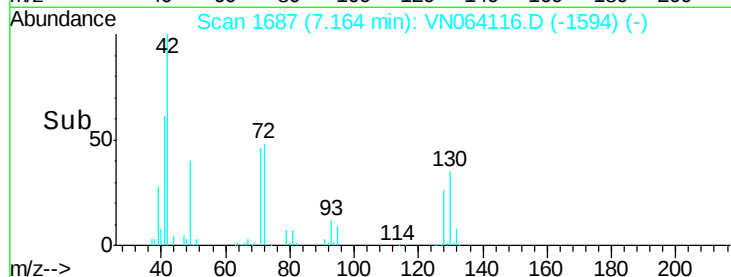
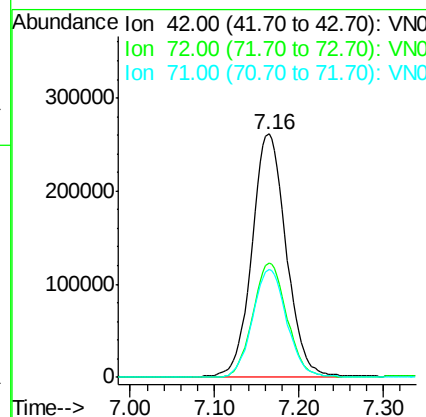
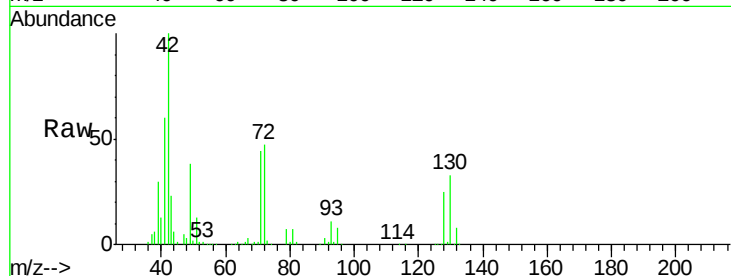
#29
Tetrahydrofuran
Concen: 391.196 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.8	56.6
71	44.5	35.3	52.9

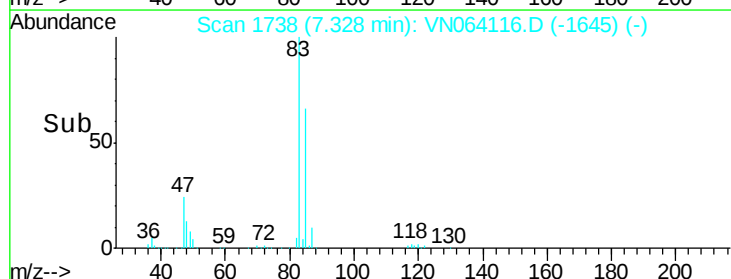
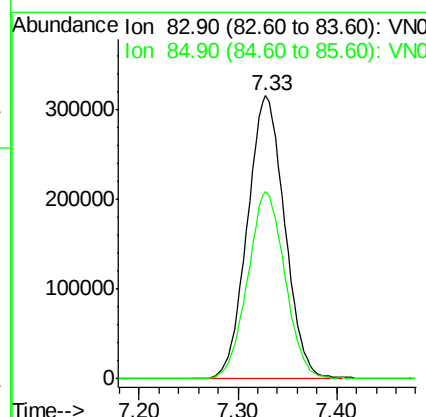
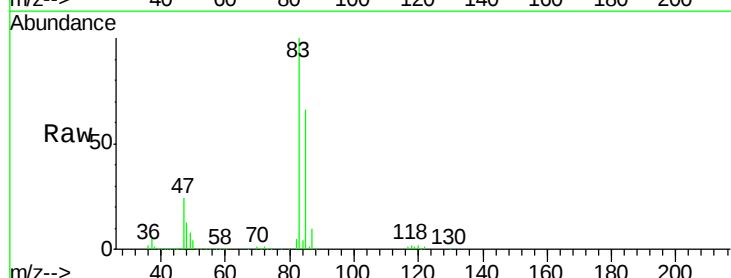
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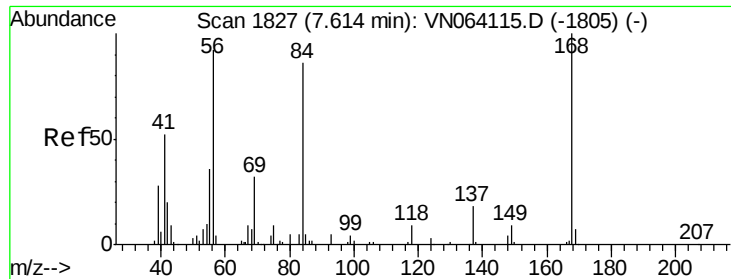
MMDadoda
10/15/2020 12:17:27 PM



#30
Chloroform
Concen: 89.129 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.5	77.3





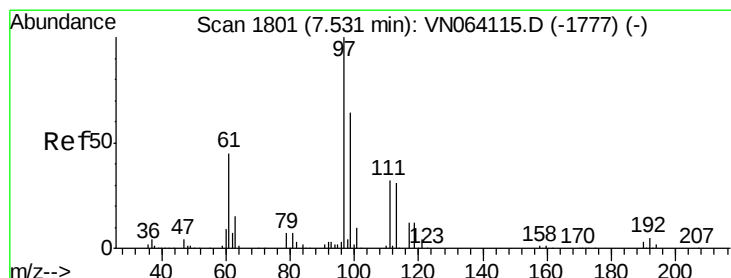
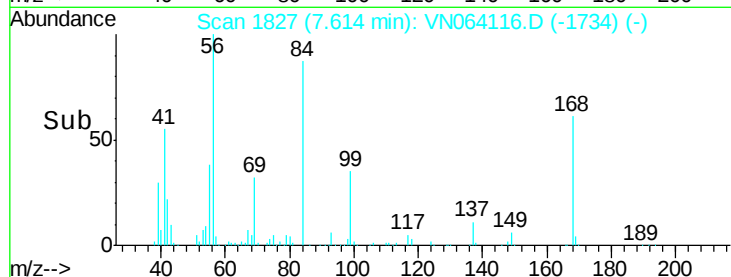
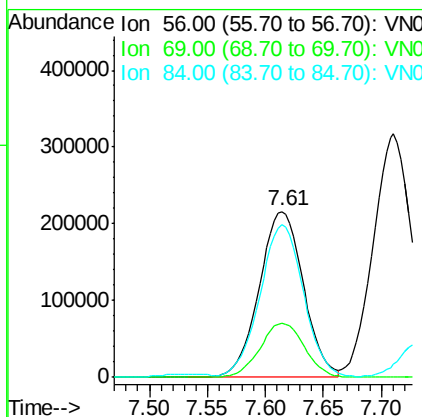
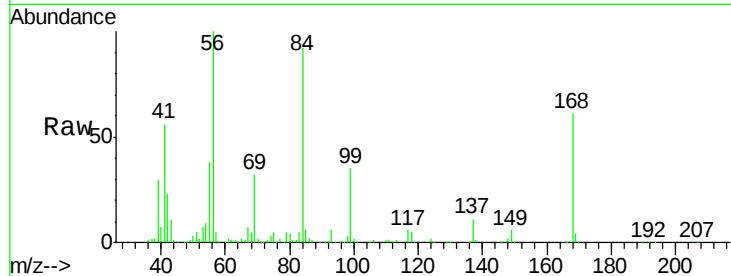
#31
Cyclohexane
Concen: 76.256 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	27.8	41.6
84	90.0	73.2	109.8

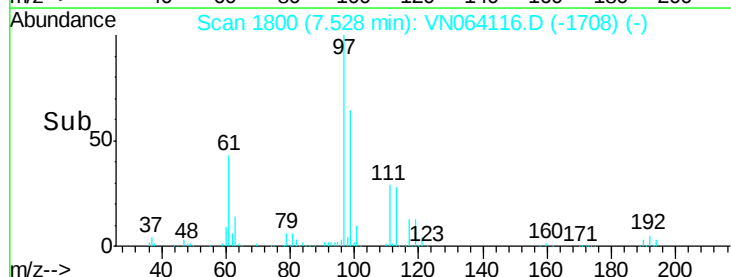
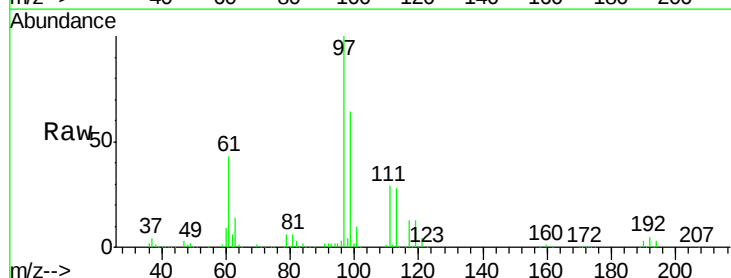
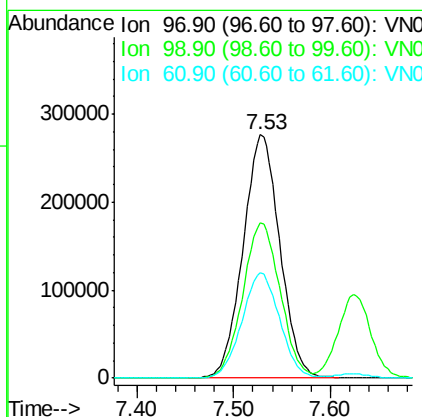
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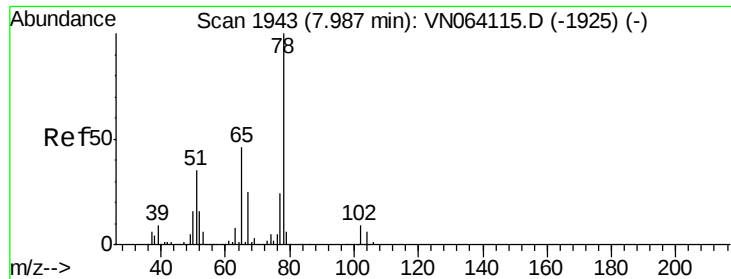
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#32
1,1,1-Trichloroethane
Concen: 88.418 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.2	75.2
61	44.2	35.6	53.4





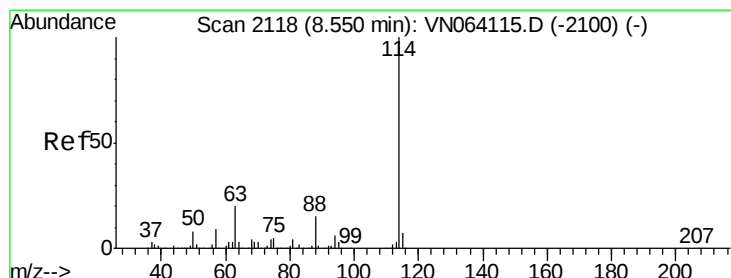
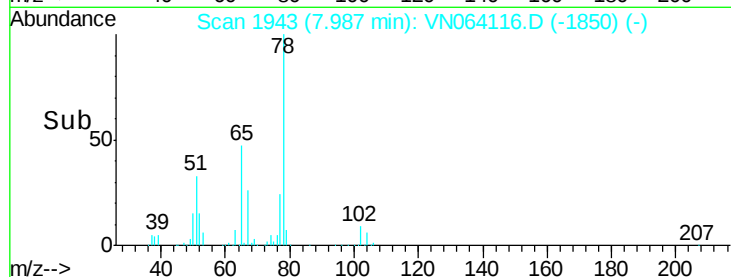
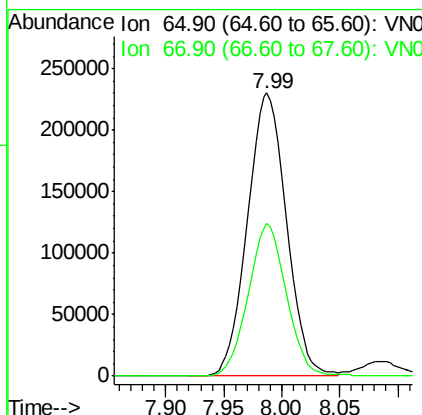
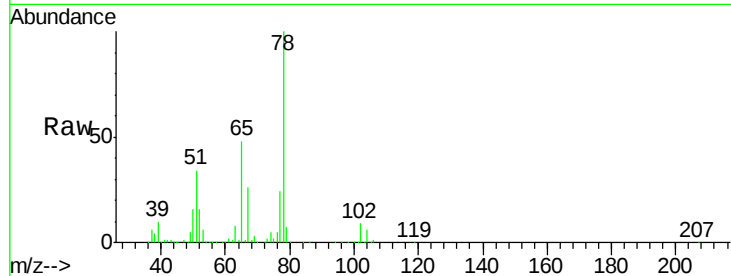
#33
 1,2-Dichloroethane-d4
 Concen: 83.794 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	105.6	

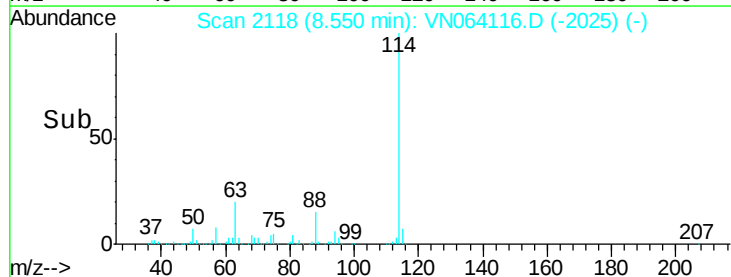
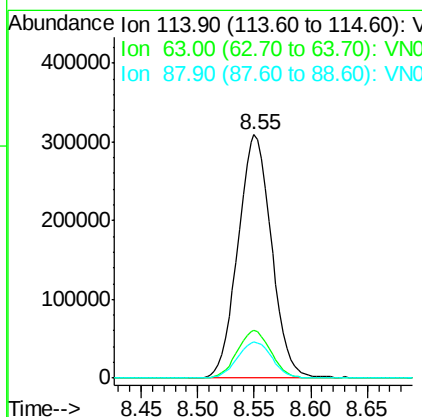
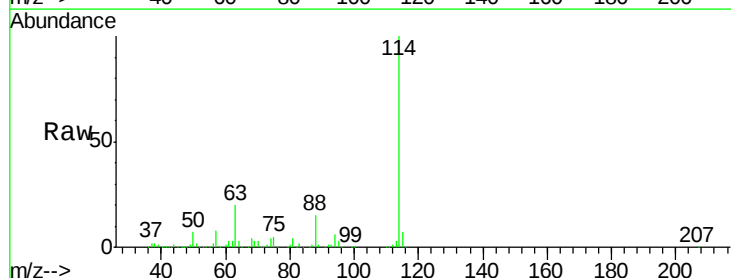
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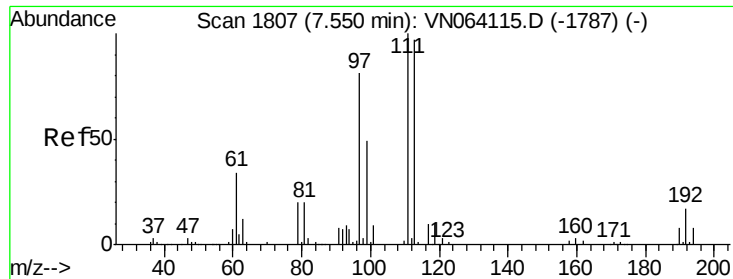
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	41.0	
88	14.8	0.0	29.2	





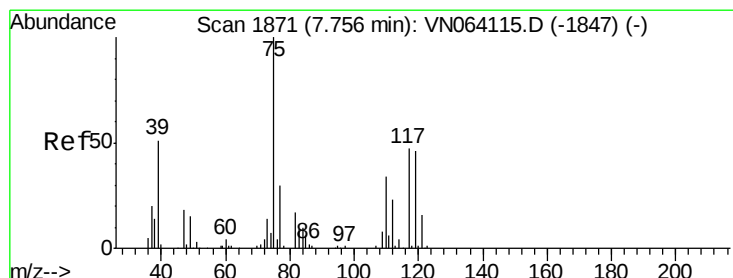
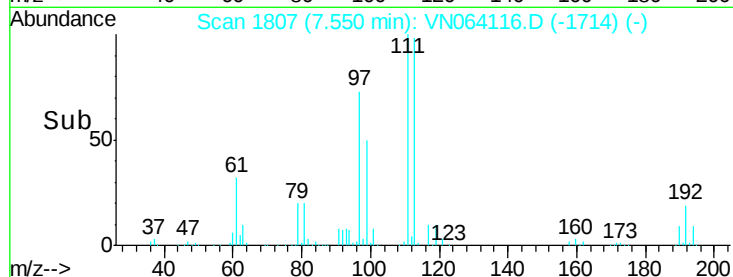
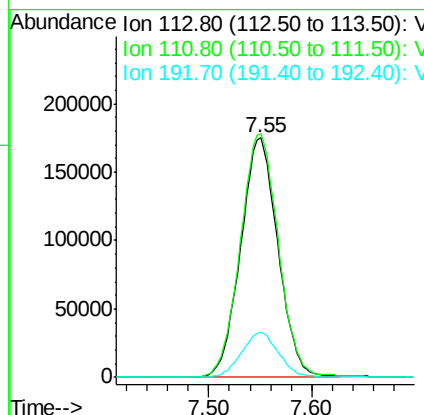
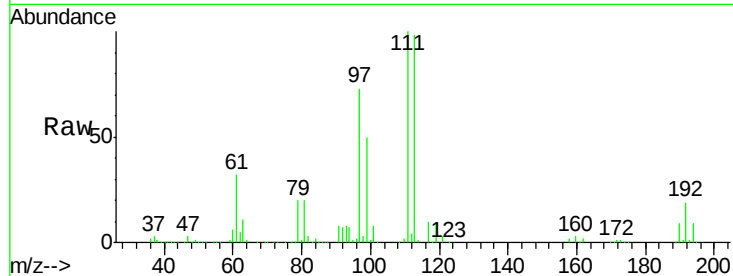
#35
 Dibromofluoromethane
 Concen: 99.726 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	439570		
111	104.3	81.9	122.9	
192	18.8	14.3	21.5	

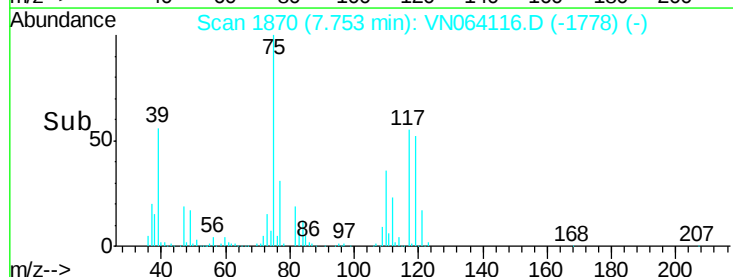
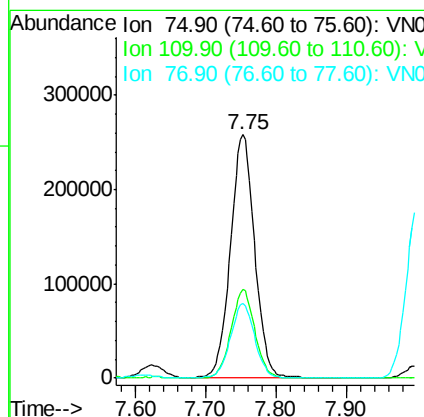
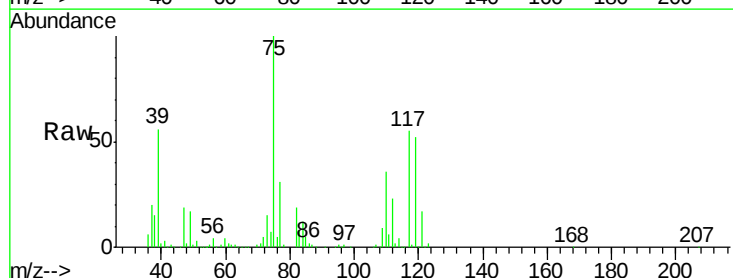
Manual Integrations
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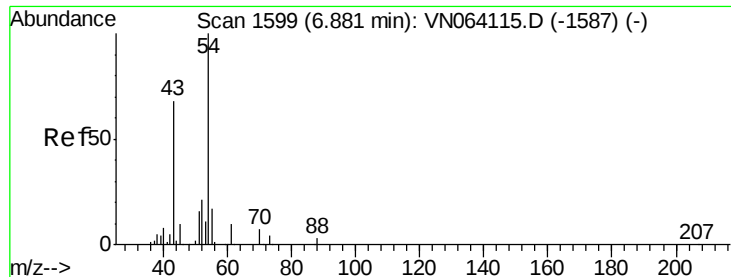
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#36
 1,1-Dichloropropene
 Concen: 95.428 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	617393		
110	35.8	17.8	53.3	
77	31.0	24.9	37.3	





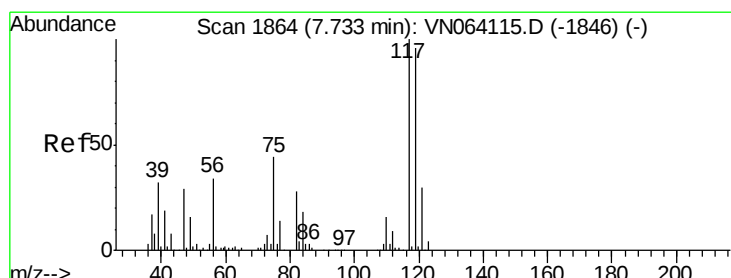
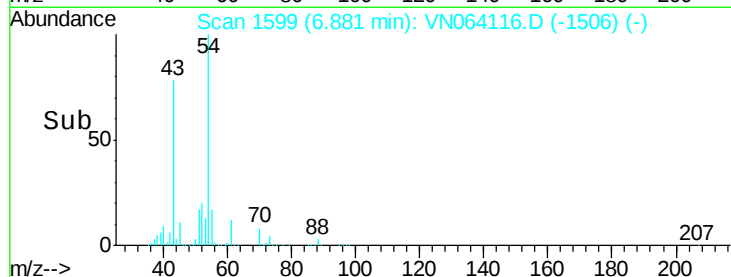
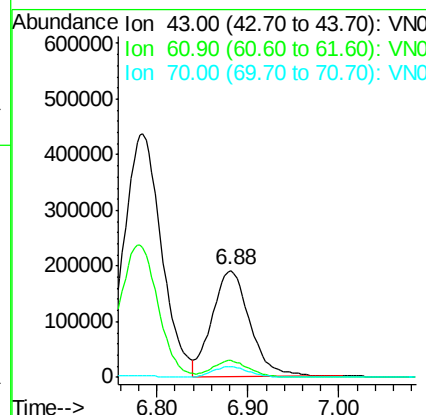
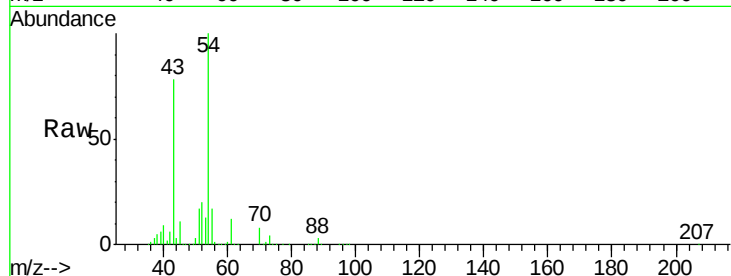
#37
Ethyl Acetate
Concen: 86.845 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.3	16.9
70	9.6	7.7	11.5

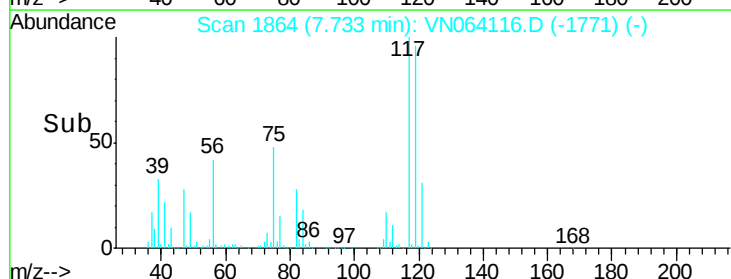
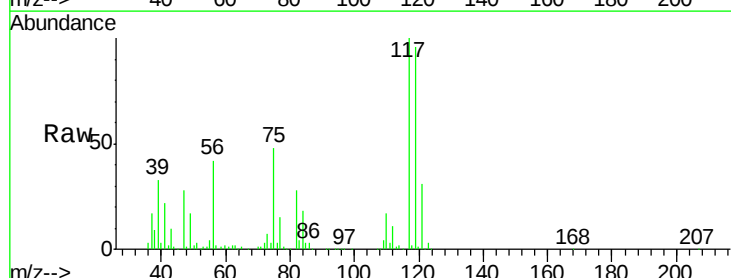
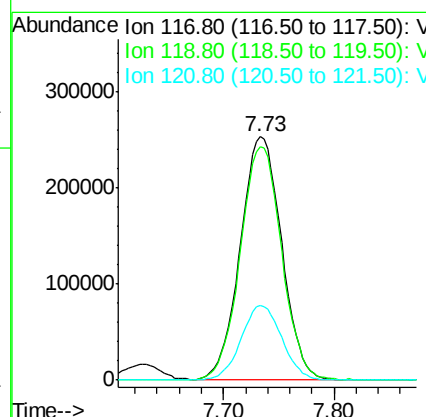
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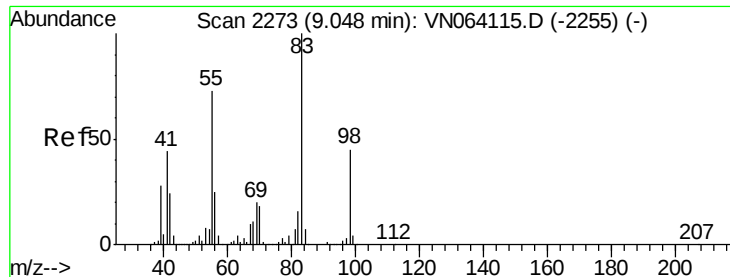
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#38
Carbon Tetrachloride
Concen: 90.707 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.0	115.4
121	30.7	24.2	36.4





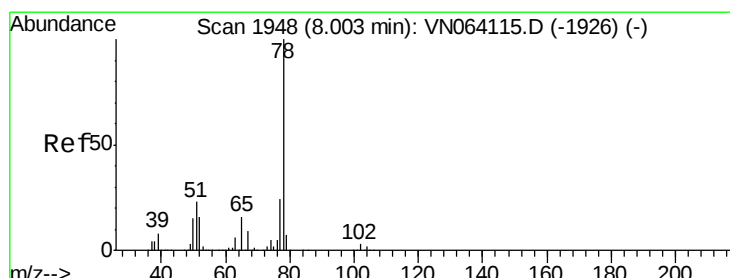
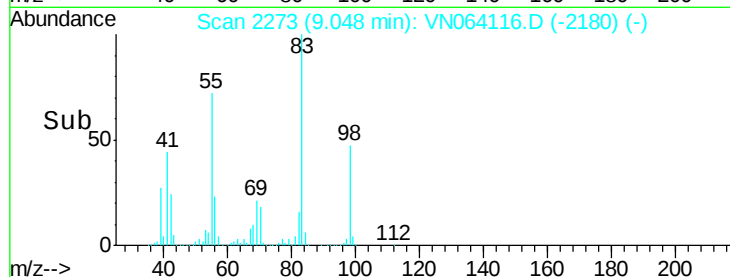
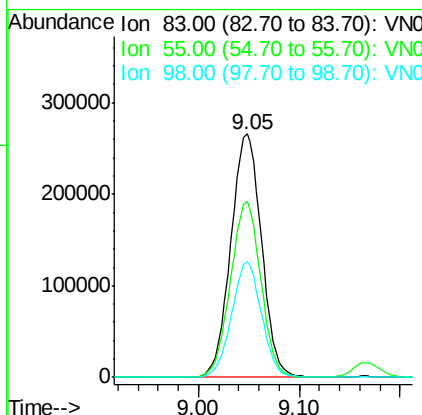
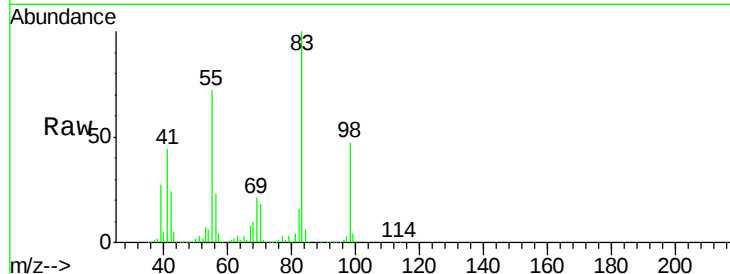
#39
Methvlcvclohexane
Concen: 89.371 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	562593		
55	72.1		58.5	87.7
98	47.4		36.2	54.2

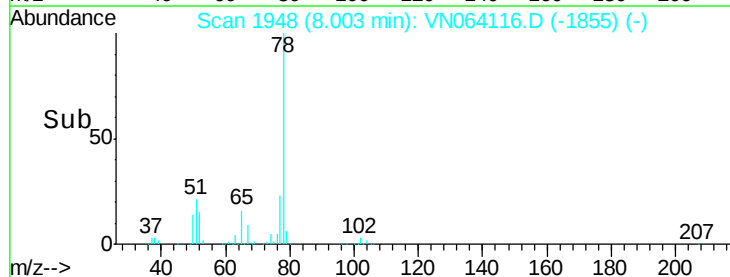
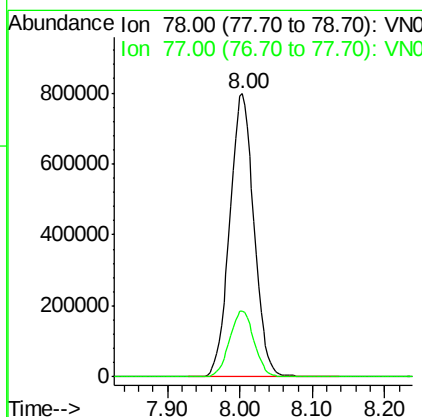
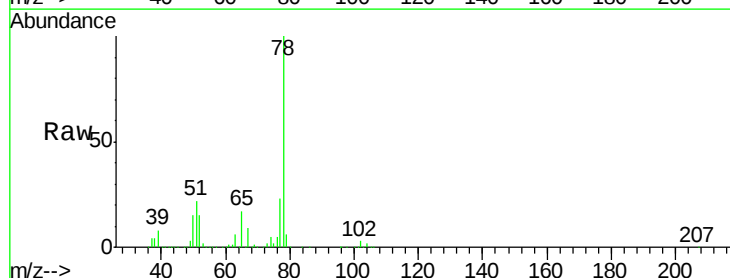
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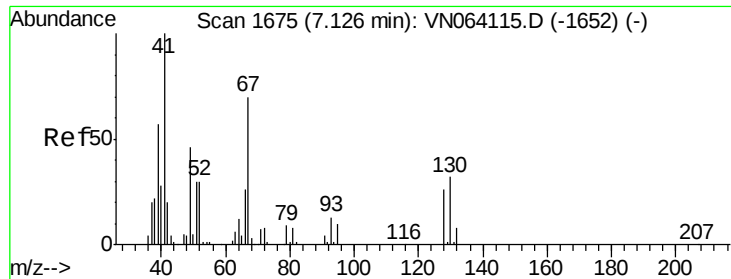
MMDadoda
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#40
Benzene
Concen: 99.649 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1860159		
77	23.4		19.3	28.9





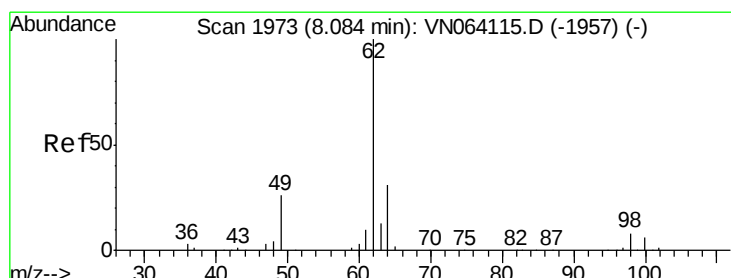
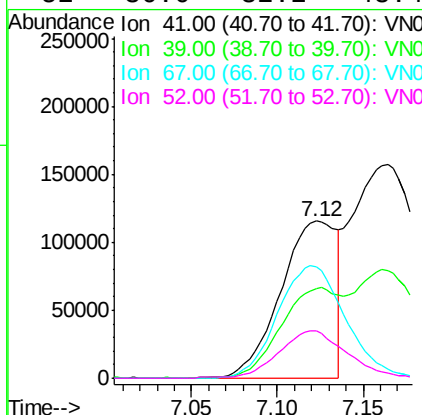
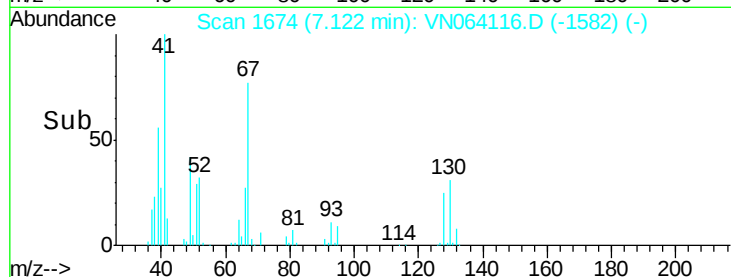
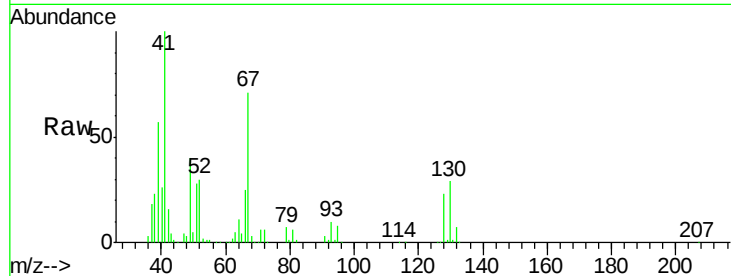
#41
Methacrylonitrile
Concen: 94.835 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
260780	41	100		
	39	61.4	50.7	76.1
	67	88.0	73.8	110.6
	52	36.0	32.2	48.4

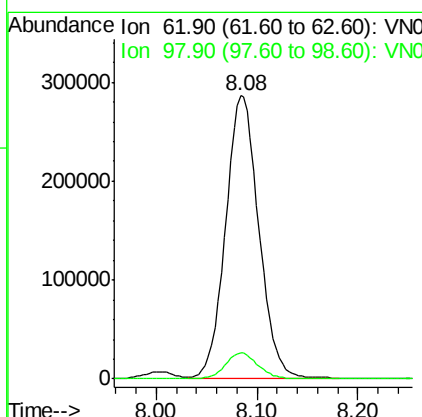
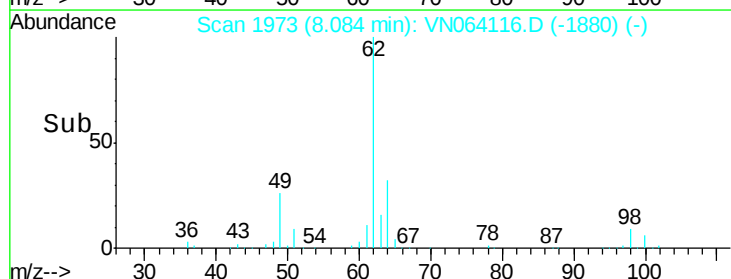
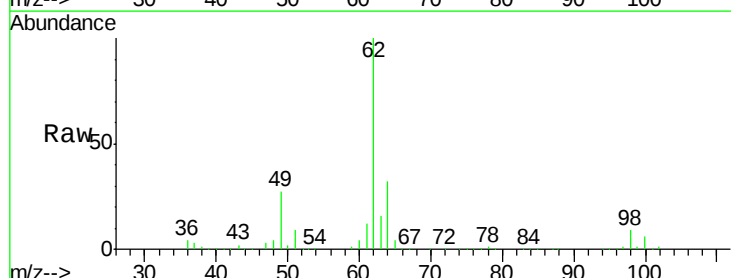
Manual Integrations
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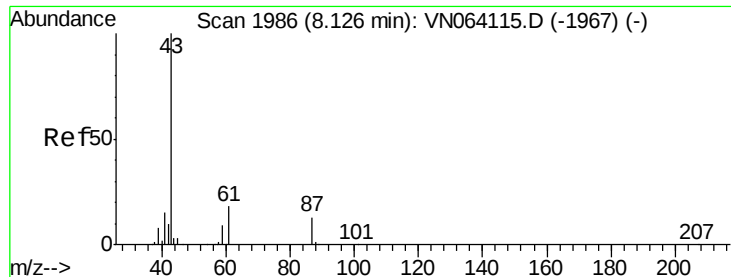
MMDadoda
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#42
1,2-Dichloroethane
Concen: 84.088 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion	Ion	Ratio	Lower	Upper
652314	62	100		
	98	9.1	0.0	17.6





#43

Isopropyl Acetate

Concen: 90.141 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

Instrument :

MSVOA_N

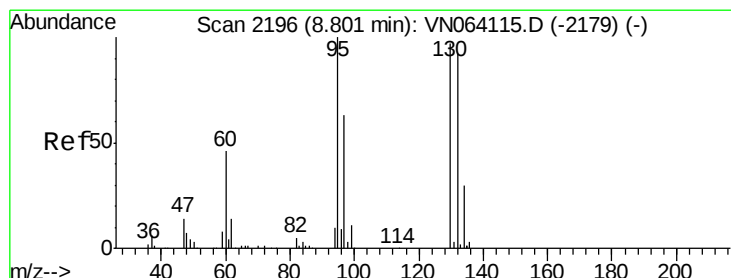
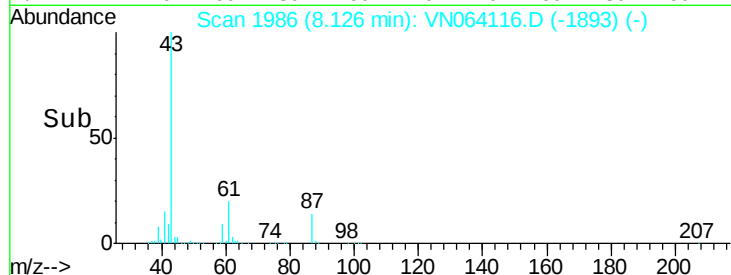
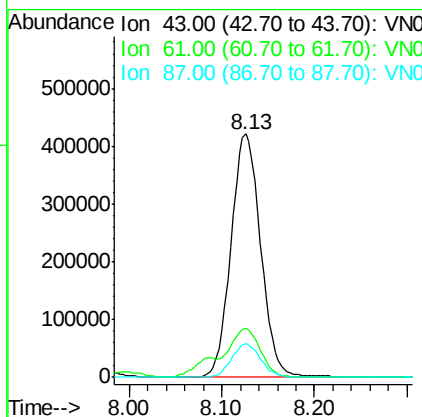
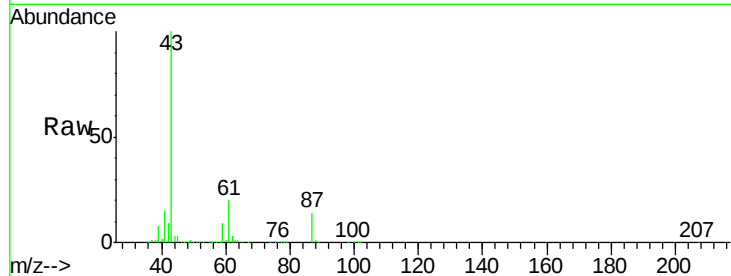
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	931123
Ion Ratio		Lower	Upper
43	100		
61	20.6	21.9	32.9#
87	13.7	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 100.555 ug/l

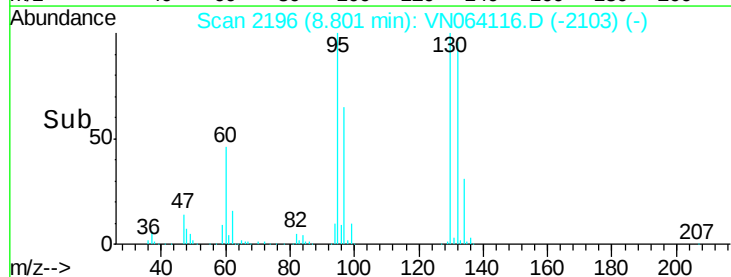
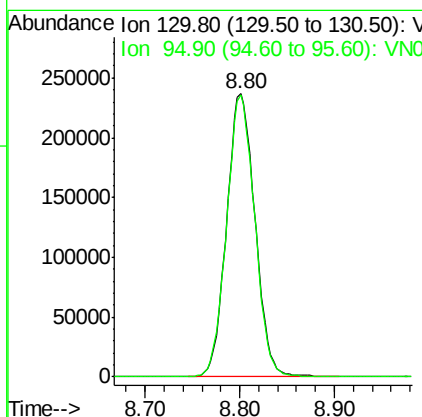
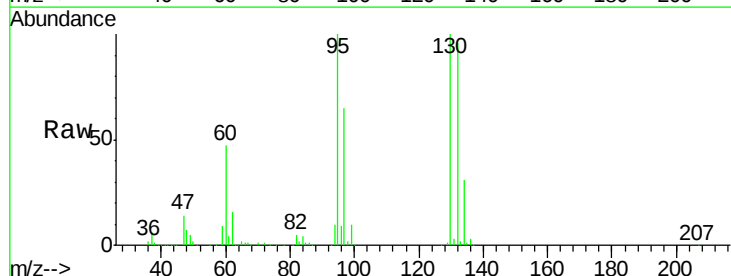
RT: 8.80 min Scan# 2196

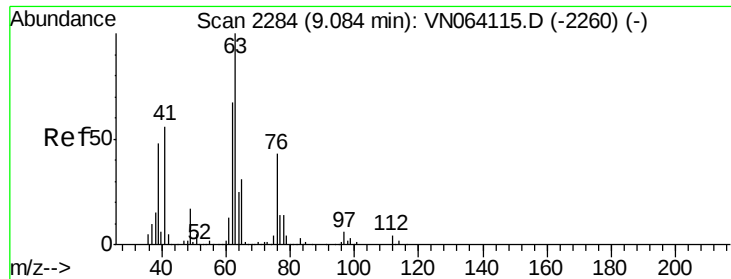
Delta R.T. 0.00 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

Tgt Ion:	130	Resp:	493420
Ion Ratio		Lower	Upper
130	100		
95	99.5	0.0	206.2





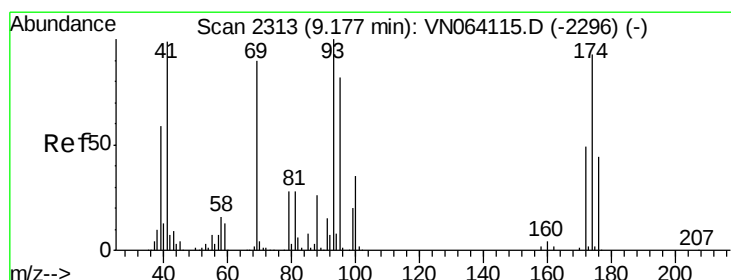
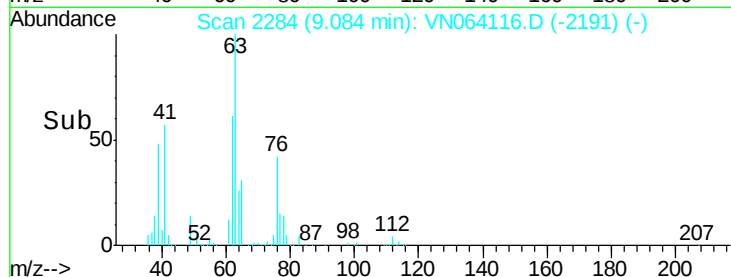
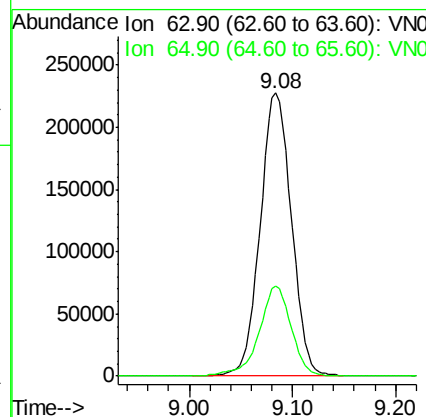
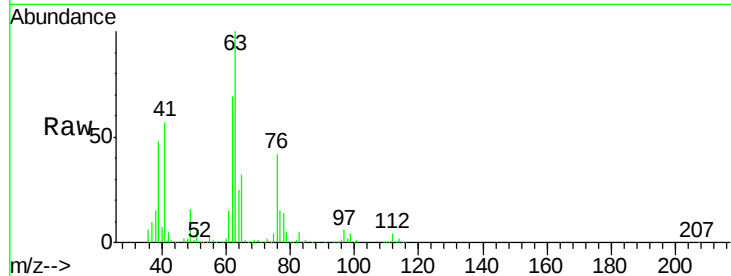
#45
 1,2-Dichloropropane
 Concen: 95.915 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 478953
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.0 37.6

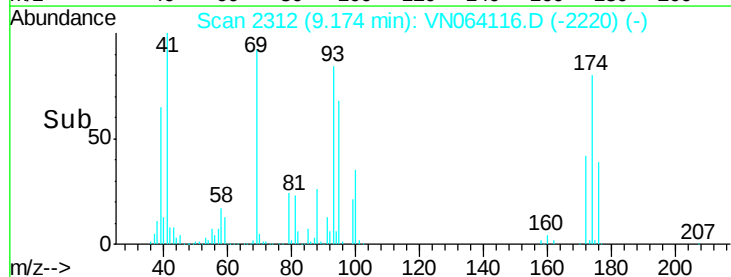
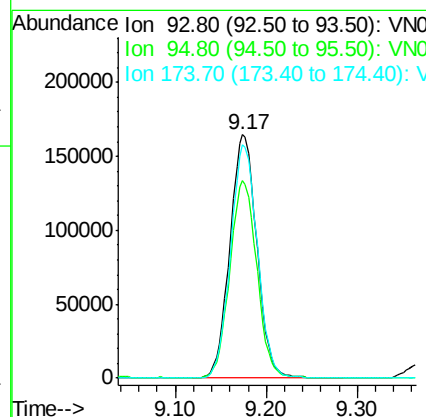
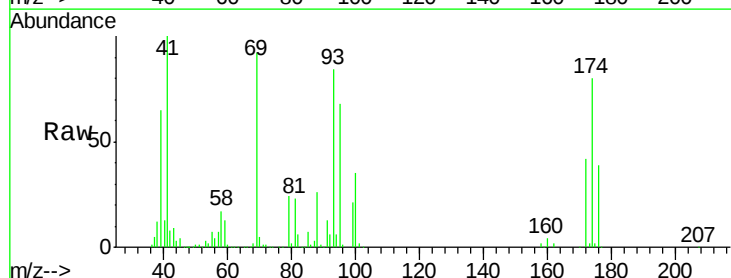
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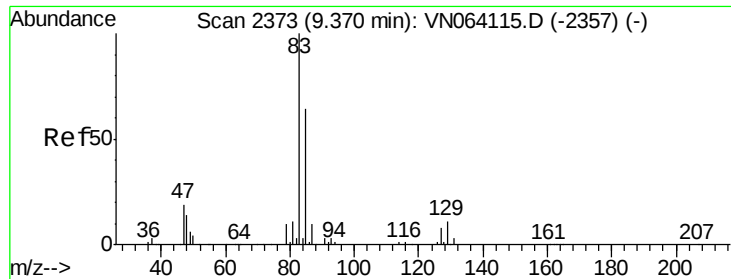
MMDadoda
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#46
 Dibromomethane
 Concen: 98.104 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Tgt Ion: 93 Resp: 339786
 Ion Ratio Lower Upper
 93 100
 95 81.4 66.8 100.2
 174 95.3 75.2 112.8





#47

Bromodichloromethane

Concen: 96.161 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

Instrument :

MSVOA_N

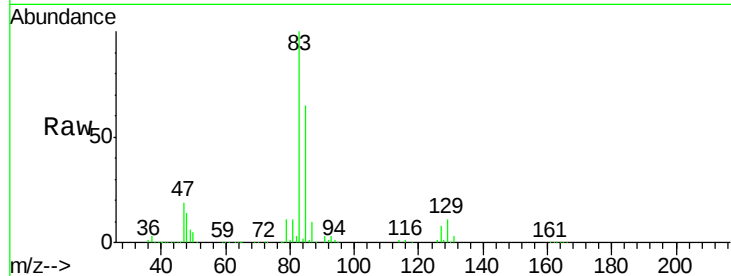
ClientSampleId :

VSTDIC100

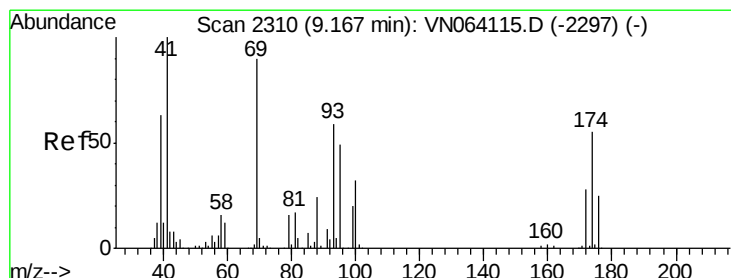
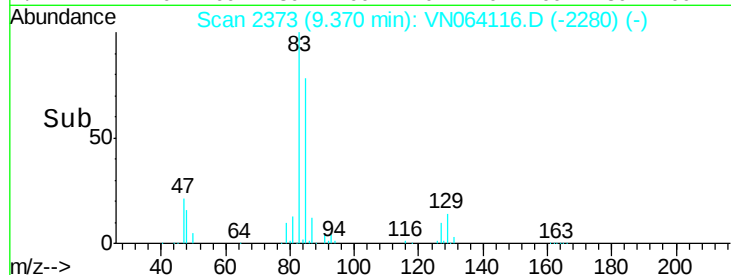
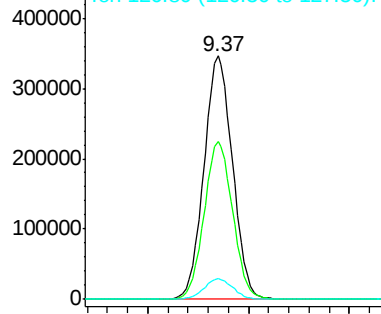
Tot Ion:	83	Resp:	681584
Ion Ratio	Lower	Upper	
83	100		
85	64.6	50.8	76.2
127	8.3	6.6	9.8

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Abundance Ion 82.90 (82.60 to 83.60): VN064116.D (-2280) (-)



#48

Methyl methacrylate

Concen: 88.152 ug/l

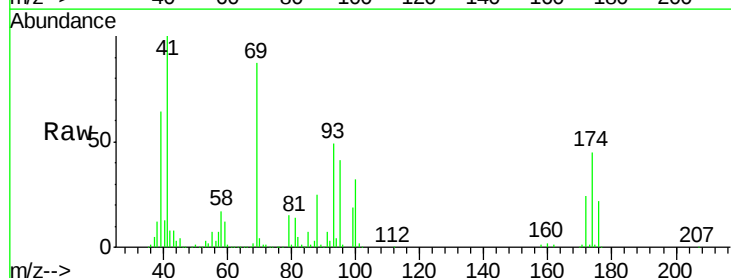
RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

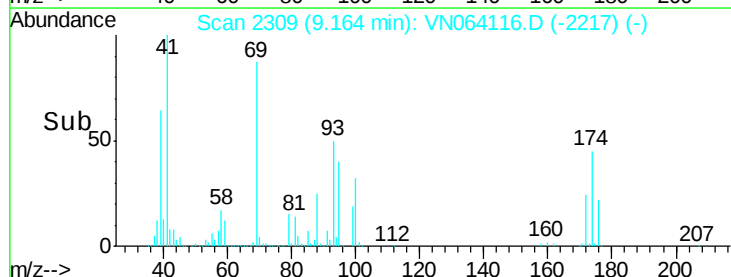
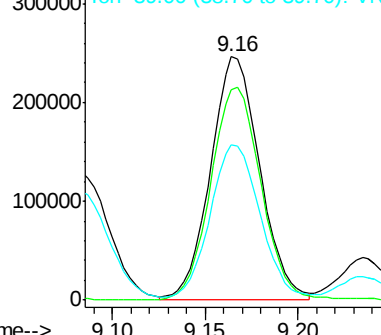
Lab File: VN064116.D

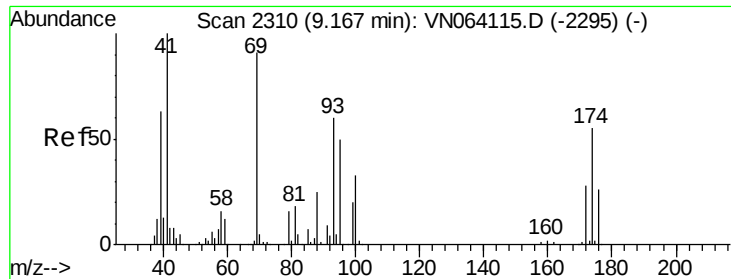
Acq: 14 Oct 2020 15:53

Tgt Ion:	41	Resp:	450531
Ion Ratio	Lower	Upper	
41	100		
69	90.1	71.4	107.2
39	65.3	52.5	78.7



Abundance Ion 41.00 (40.70 to 41.70): VN064116.D (-2217) (-)





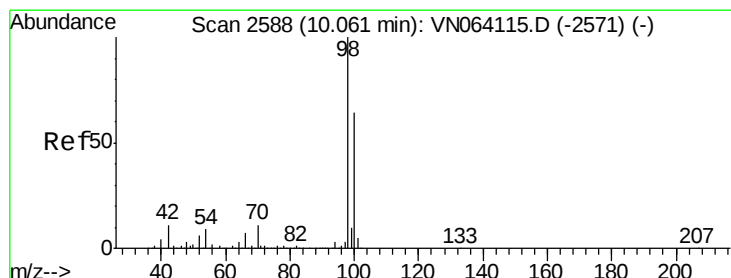
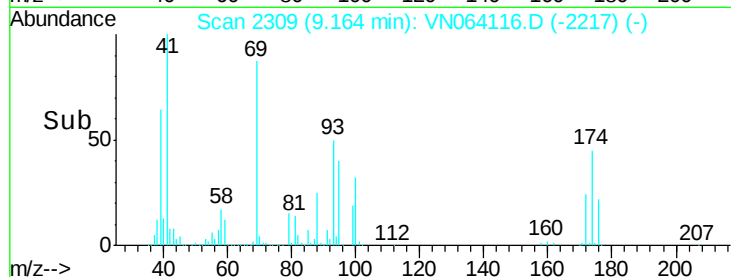
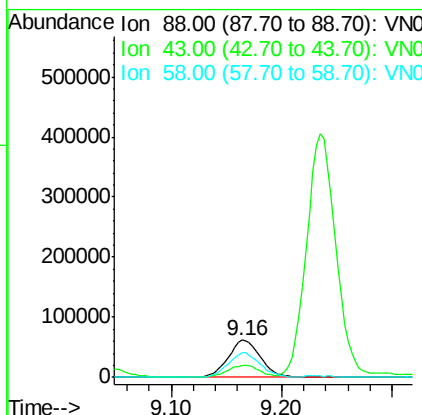
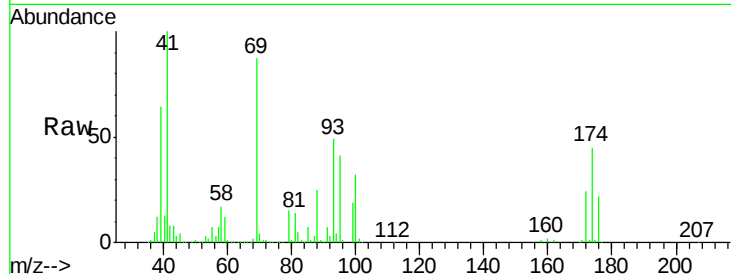
#49
1,4-Dioxane
Concen: 1727.001 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	27.2	40.8
58	65.7	52.6	78.8

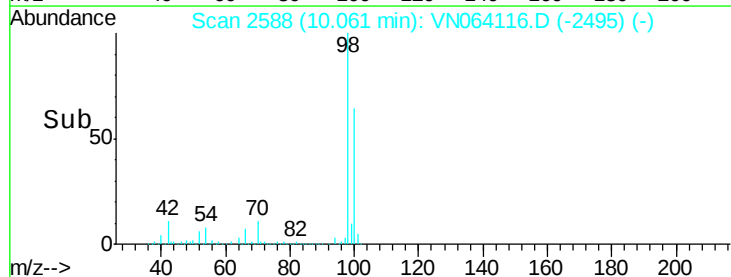
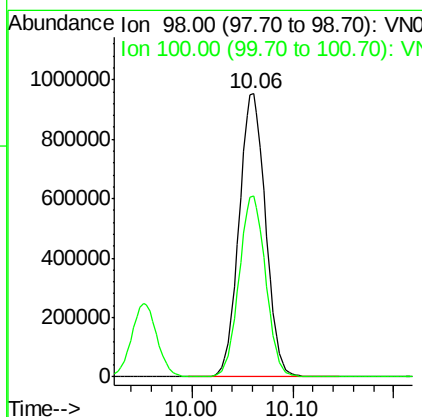
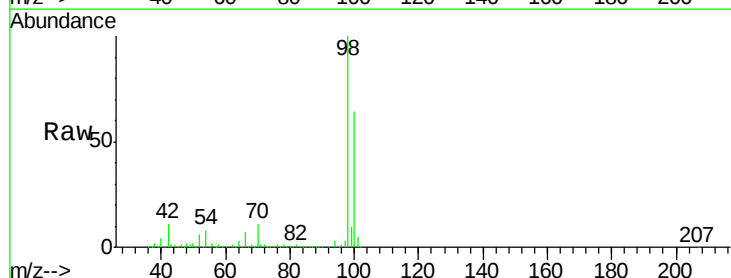
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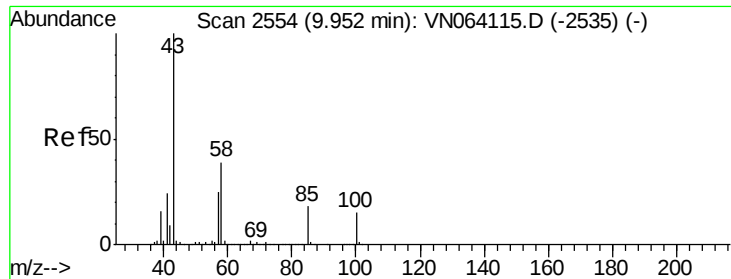
MMDadoda
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#50
Toluene-d8
Concen: 103.045 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.8	76.2





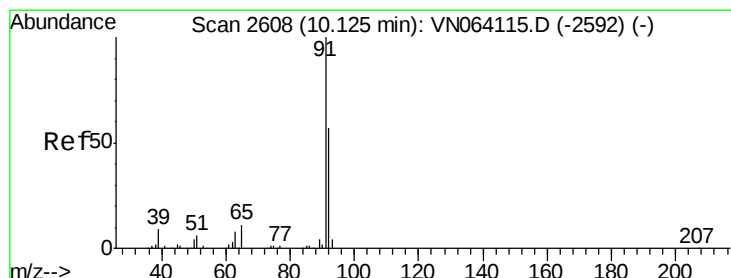
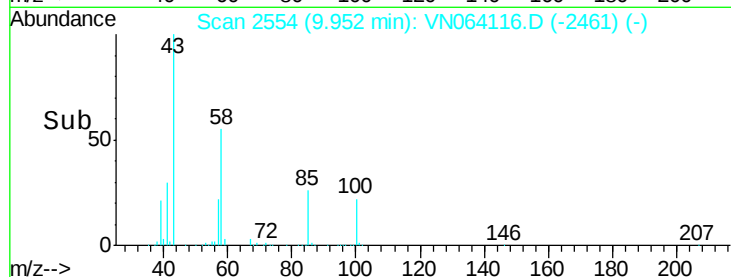
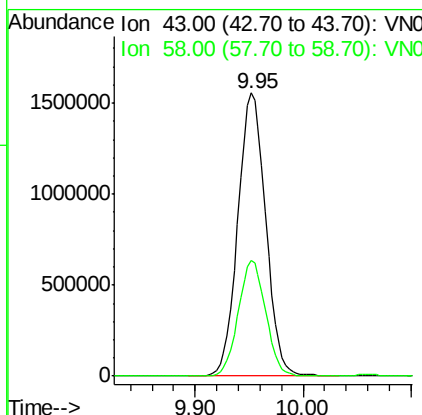
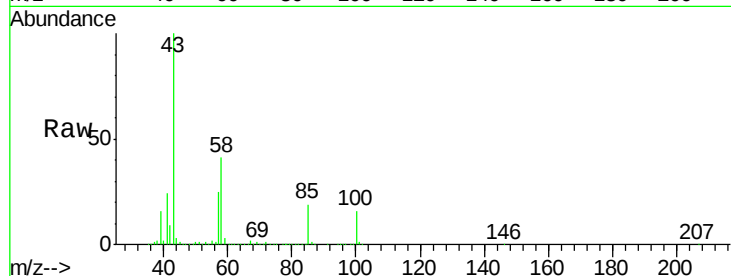
#51
4-Methyl-2-Pentanone
Concen: 460.836 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2803581
Ion Ratio Lower Upper
43 100
58 40.2 31.2 46.8

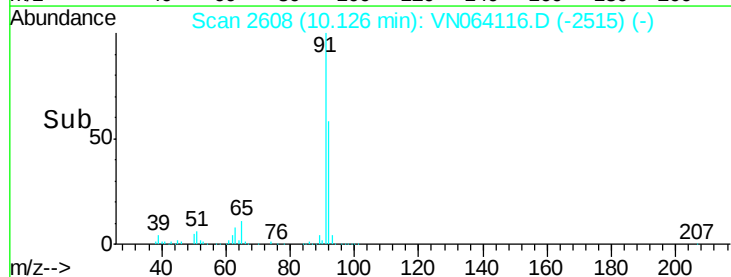
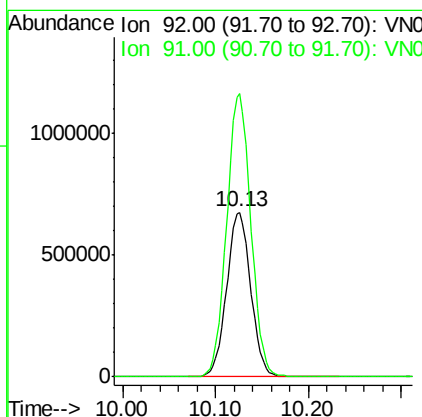
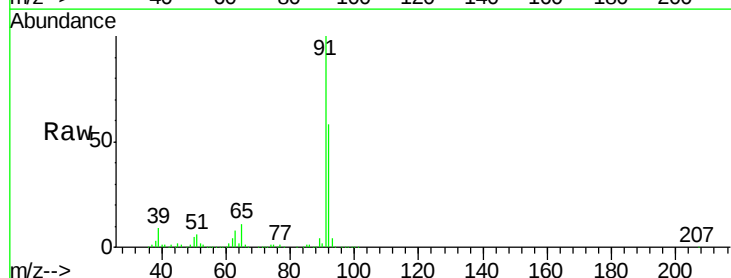
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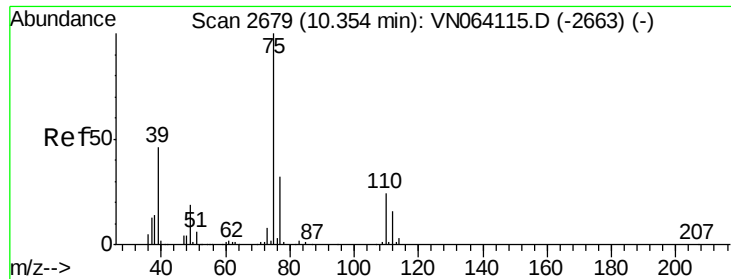
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#52
Toluene
Concen: 104.999 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion: 92 Resp: 1212436
Ion Ratio Lower Upper
92 100
91 173.8 141.2 211.8





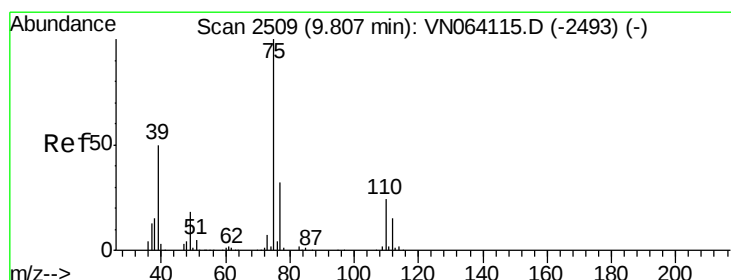
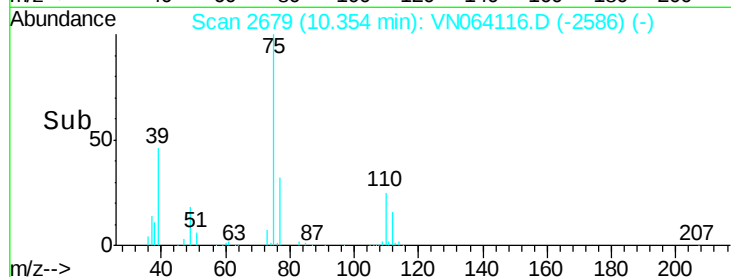
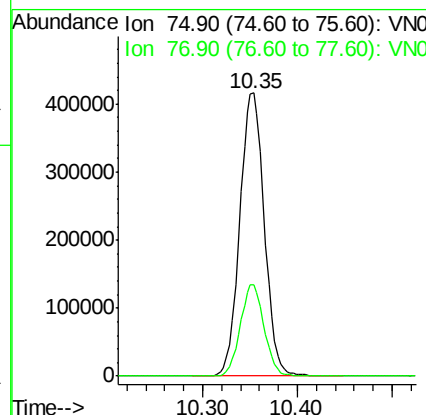
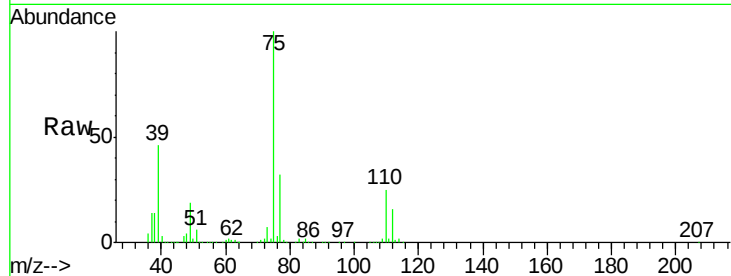
#53
 t-1,3-Dichloropropene
 Concen: 99.169 ug/l
 RT: 10.35 min Scan# 2679
 Delta R.T. 0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.6	38.4

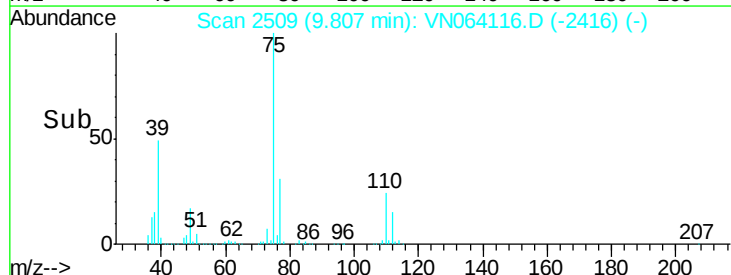
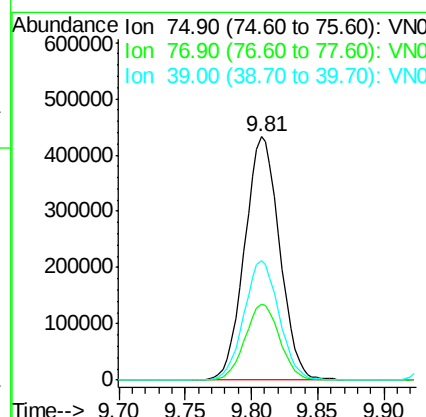
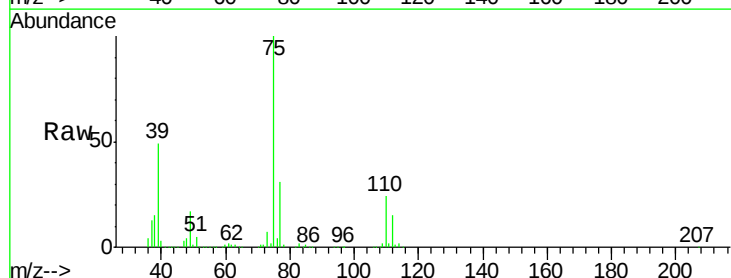
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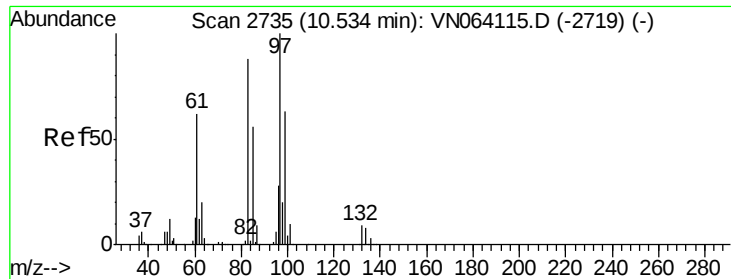
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#54
 cis-1,3-Dichloropropene
 Concen: 100.150 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.2	37.8
39	48.9	39.8	59.8





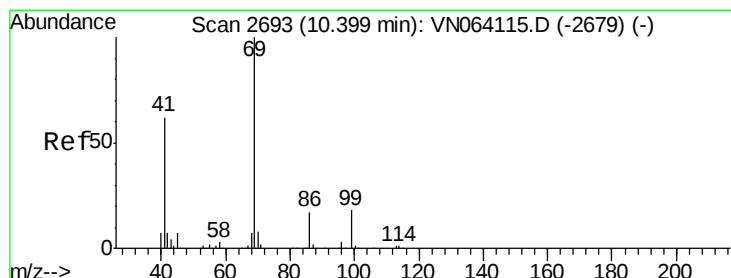
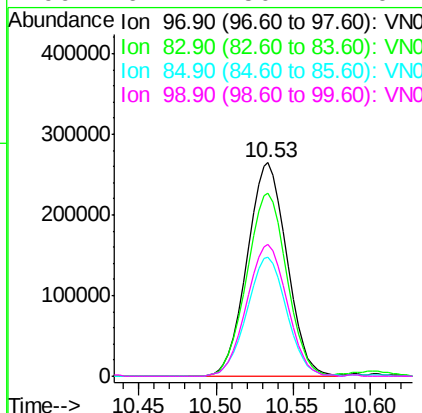
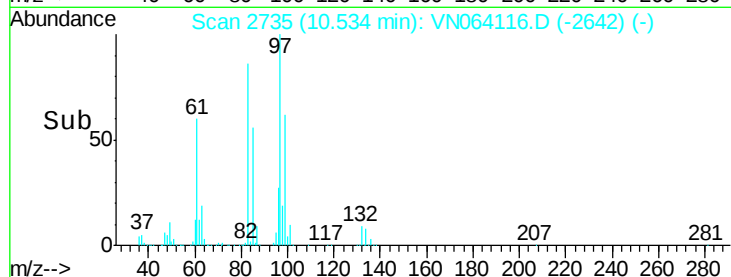
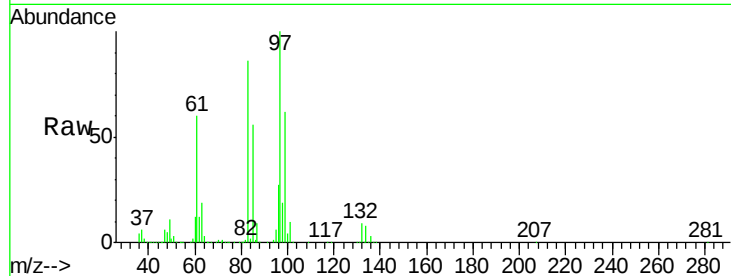
#55
 1,1,2-Trichloroethane
 Concen: 102.656 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.2	105.4
85	56.0	45.0	67.6
99	61.7	50.7	76.1

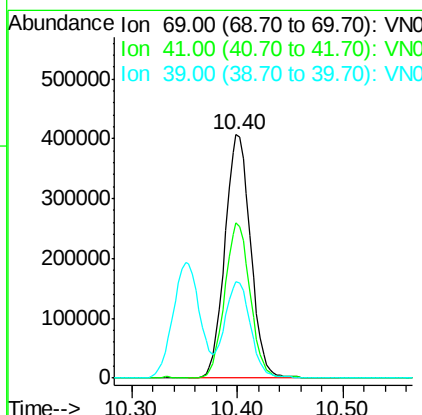
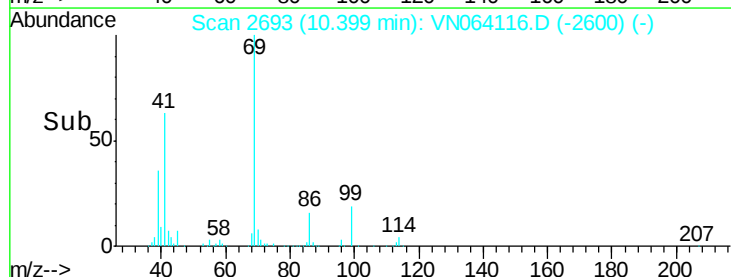
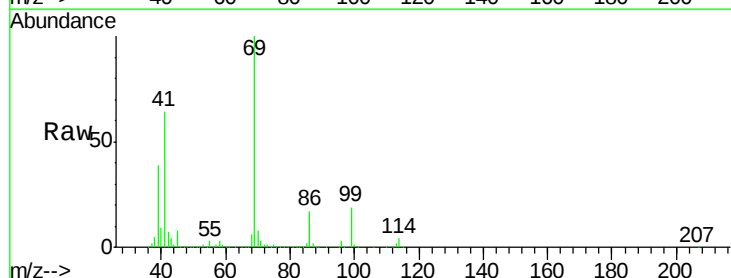
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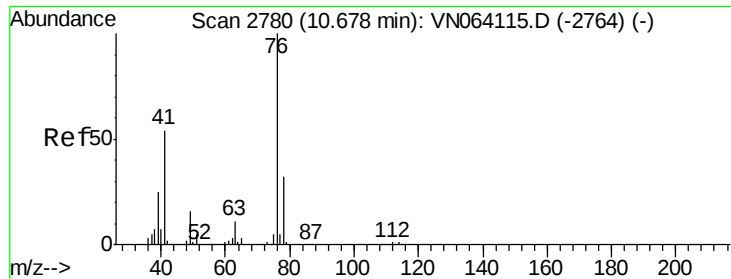
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#56
 Ethyl methacrylate
 Concen: 105.850 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.4	49.3	73.9
39	39.4	32.7	49.1





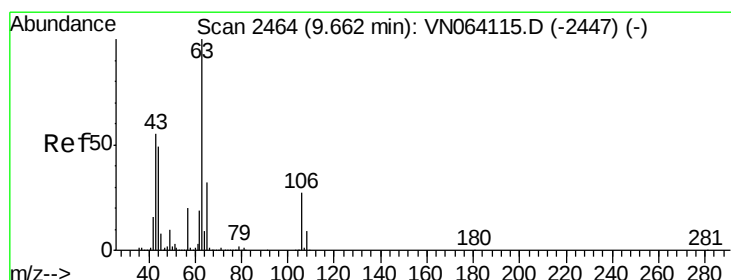
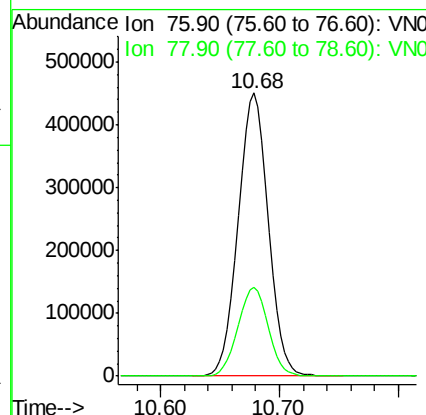
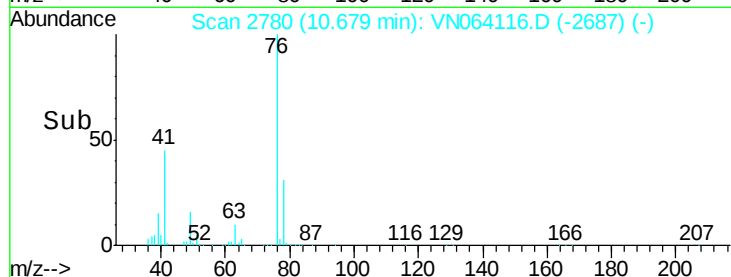
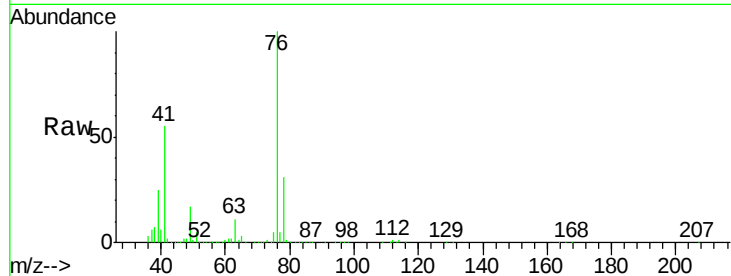
#57
 1,3-Dichloropropane
 Concen: 101.609 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.1	39.1

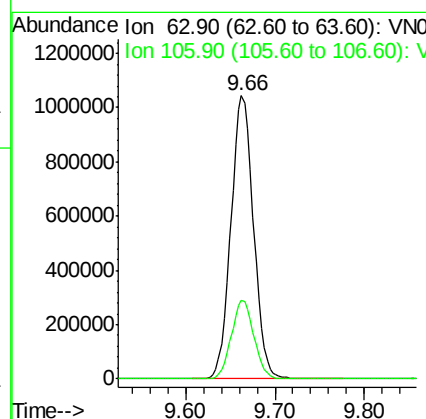
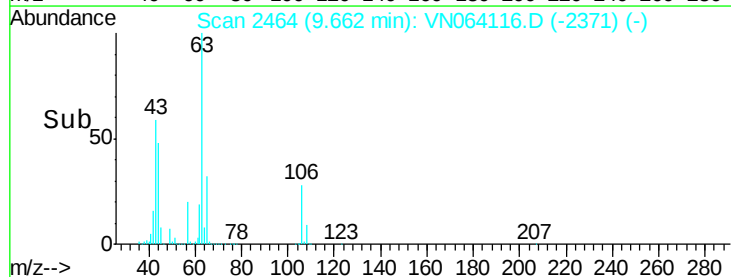
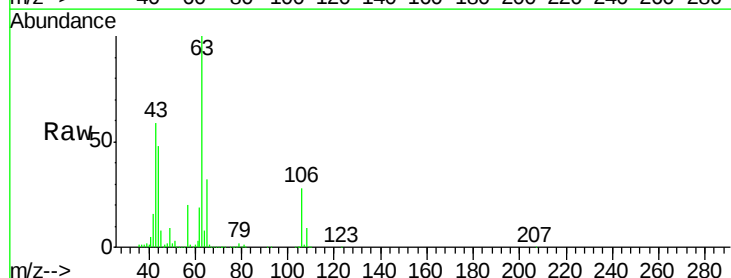
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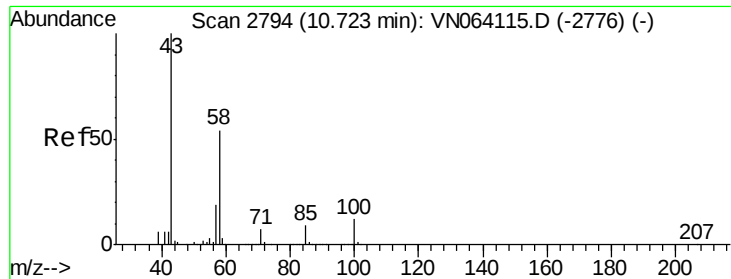
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#58
 2-Chloroethyl Vinyl ether
 Concen: 532.175 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.8	32.6





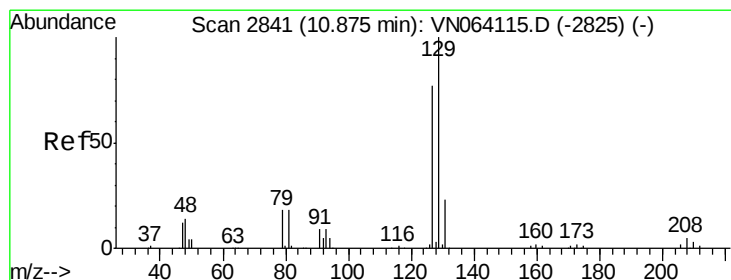
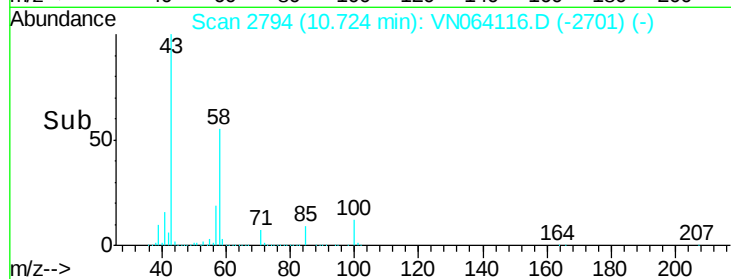
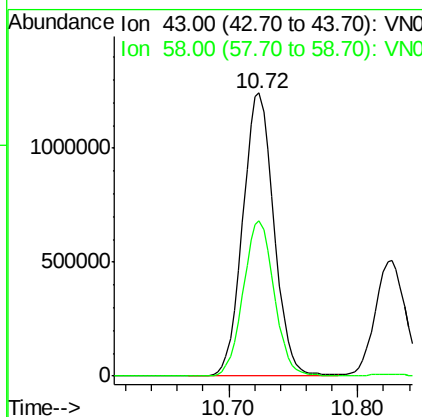
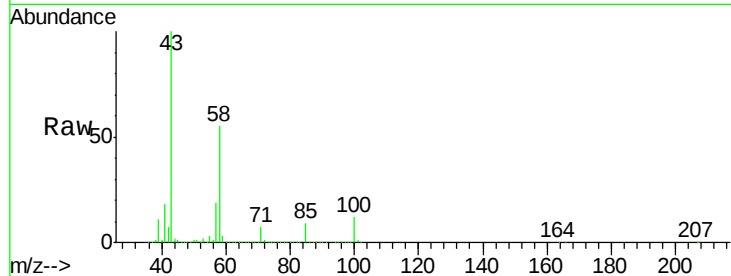
#59
2-Hexanone
Concen: 463.505 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 2088421
Ion Ratio Lower Upper
43 100
58 54.7 27.2 81.6

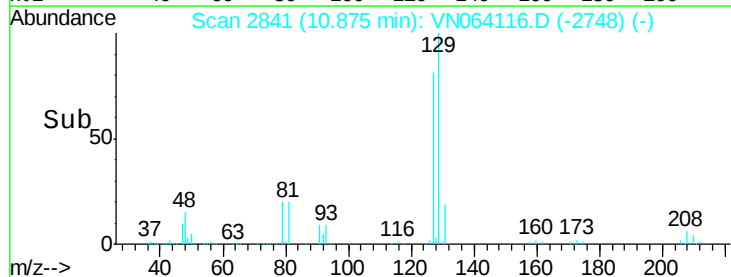
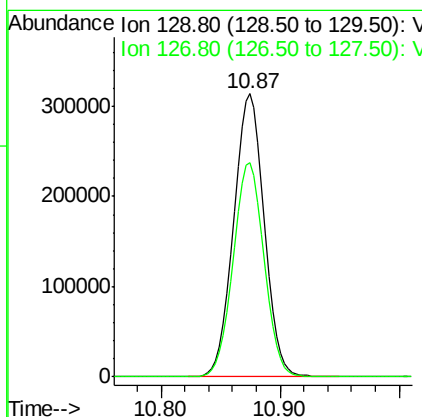
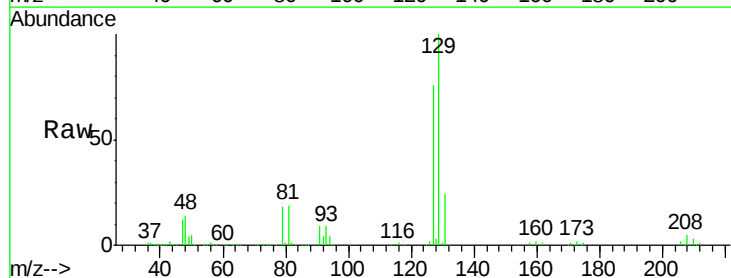
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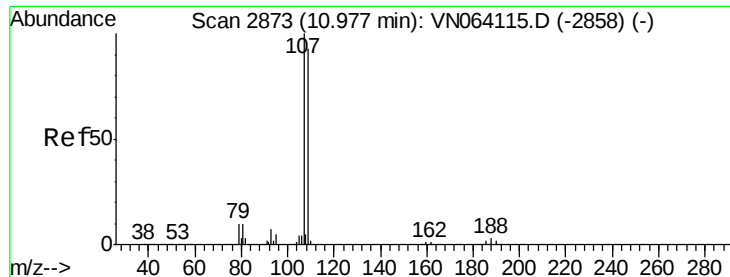
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#60
Dibromochloromethane
Concen: 103.579 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion: 129 Resp: 558602
Ion Ratio Lower Upper
129 100
127 76.4 38.2 114.6





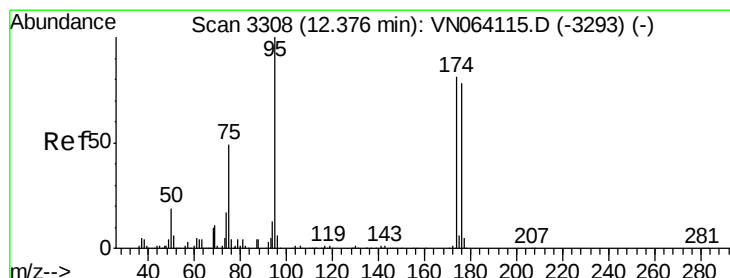
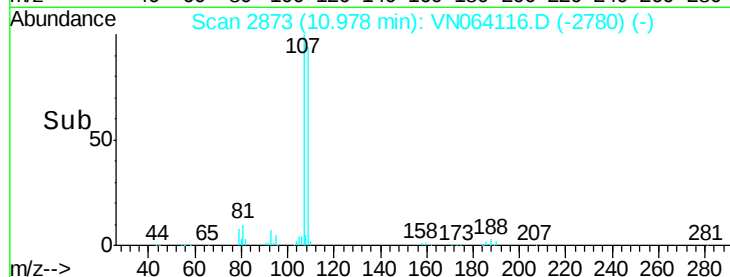
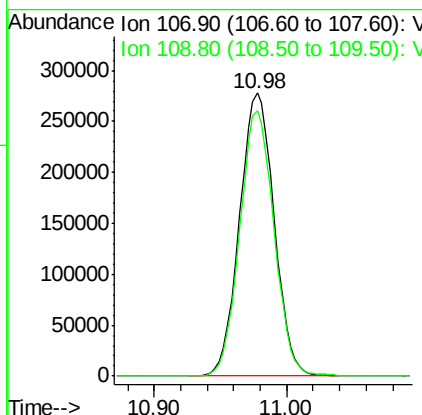
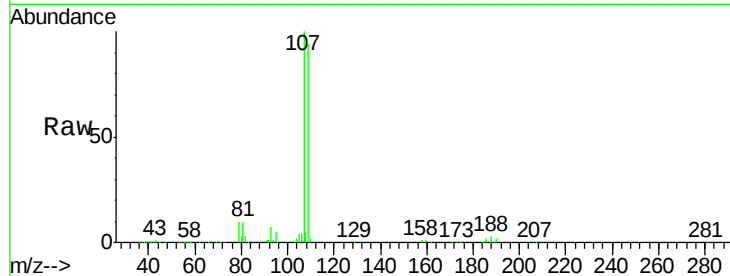
#61
 1,2-Dibromoethane
 Concen: 106.503 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.2	112.8

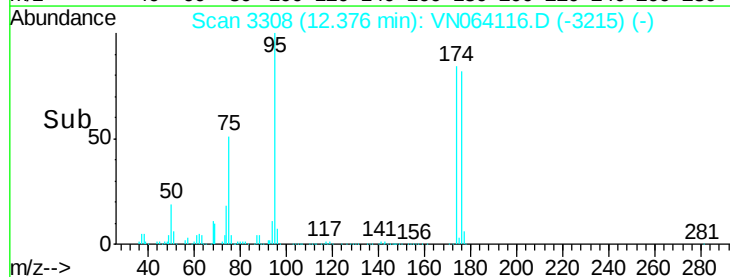
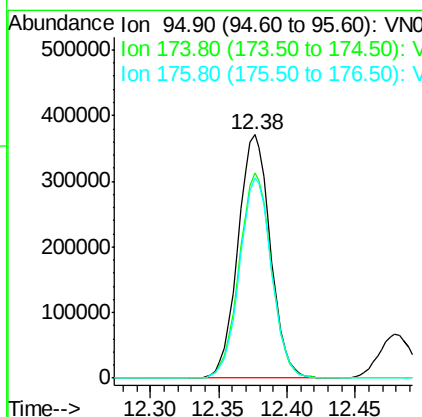
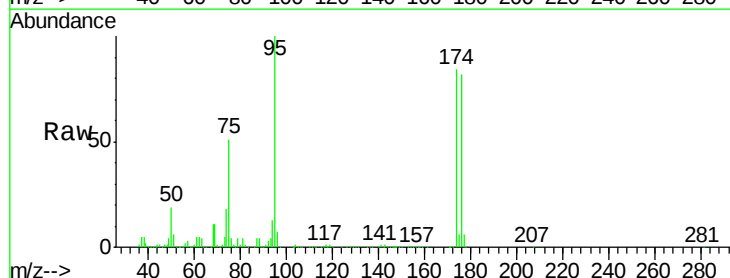
Manual Integrations
 APPROVED

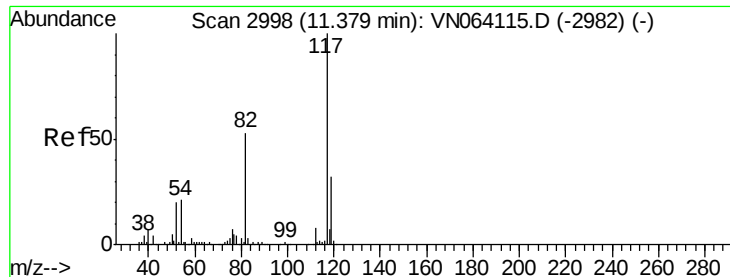
MMDadoda
 10/15/2020 12:17:27 PM



#62
 4-Bromofluorobenzene
 Concen: 98.719 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	164.8
176	81.4	0.0	157.8





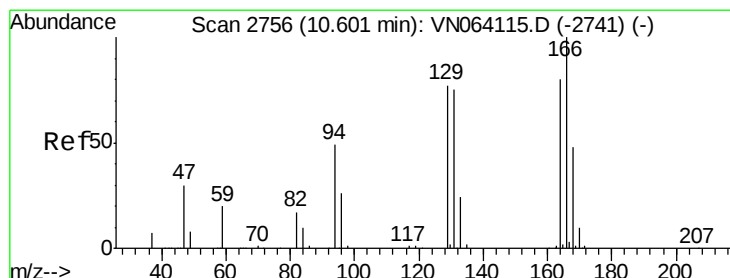
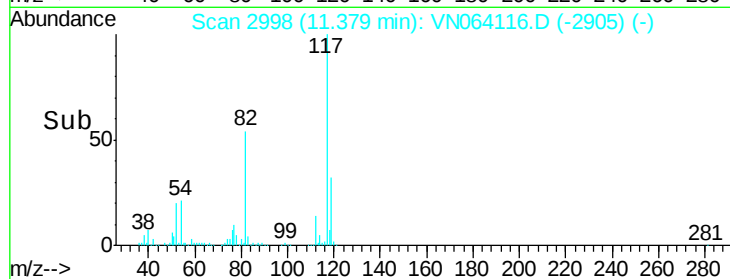
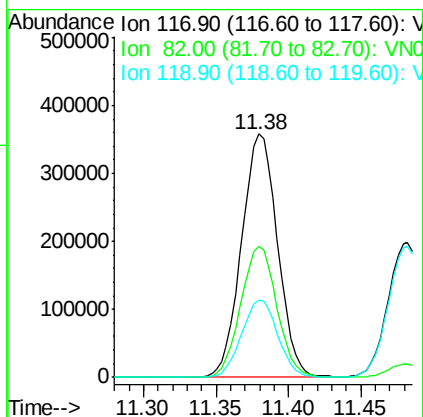
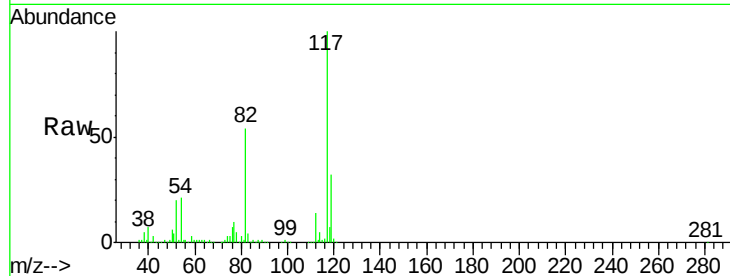
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.6	63.8
119	31.8	25.5	38.3

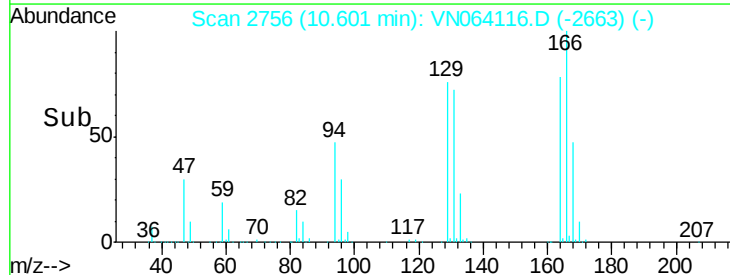
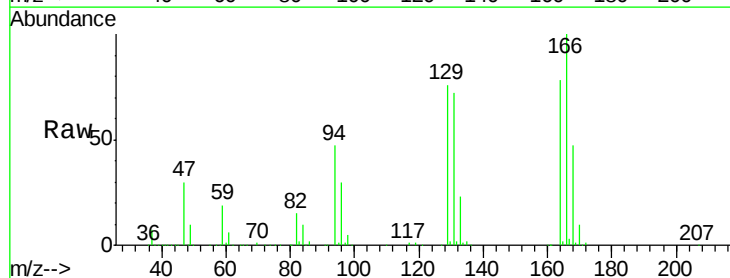
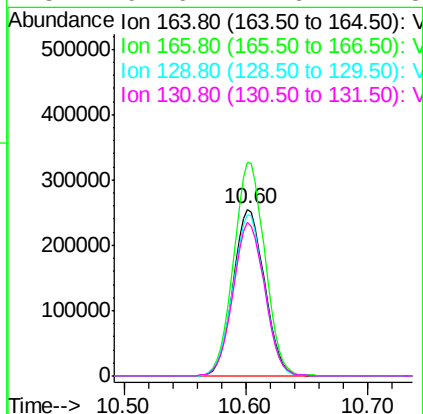
Manual Integrations
APPROVED

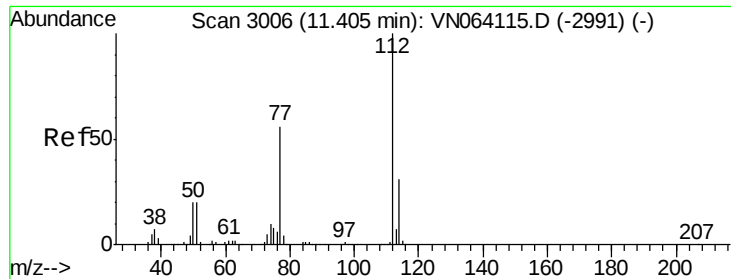
MMDadoda
10/15/2020 12:17:27 PM



#64
Tetrachloroethene
Concen: 93.604 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	99.7	149.5
129	96.9	77.0	115.4
131	91.6	74.6	111.8





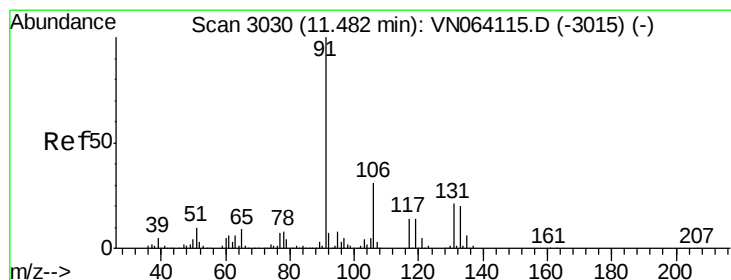
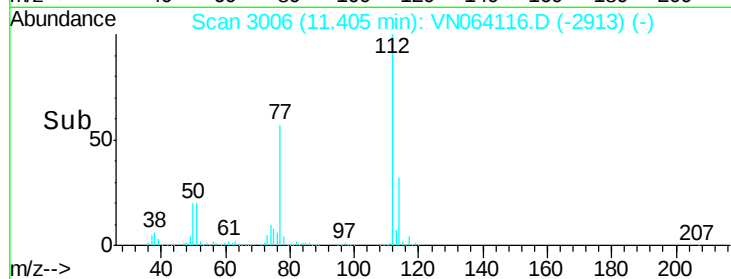
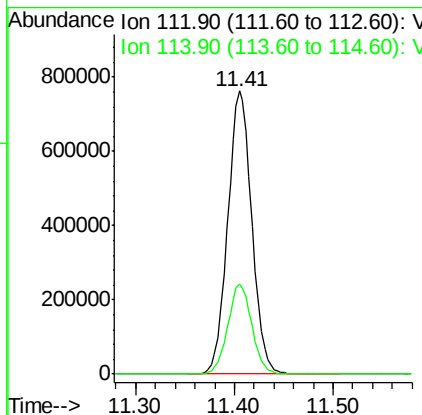
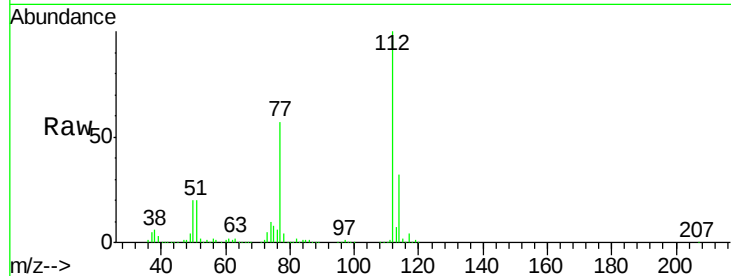
#65
Chlorobenzene
Concen: 101.073 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1300790
Ion Ratio Lower Upper
112 100
114 31.9 24.6 37.0

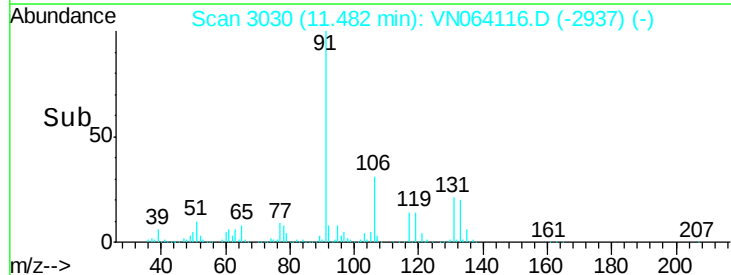
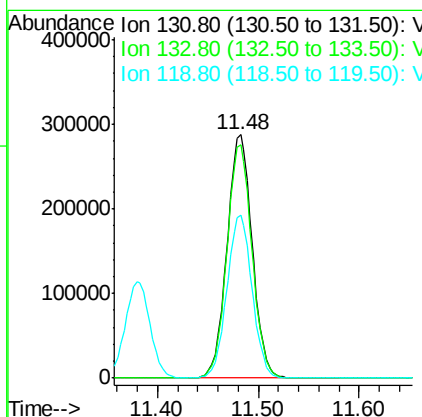
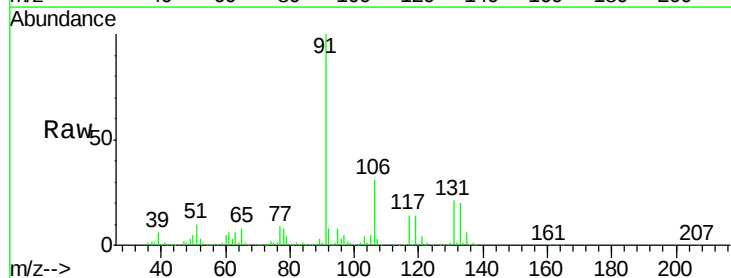
Manual Integrations
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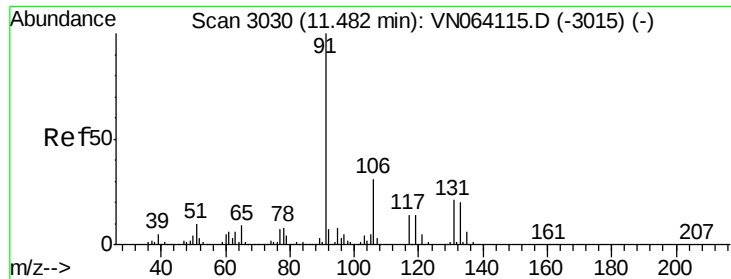
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#66
1,1,1,2-Tetrachloroethane
Concen: 101.961 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion:131 Resp: 501030
Ion Ratio Lower Upper
131 100
133 95.6 47.3 141.9
119 66.8 32.8 98.4





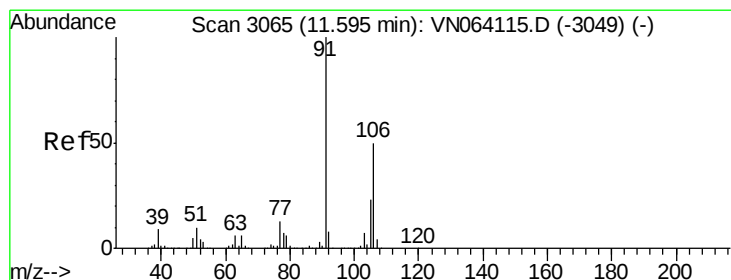
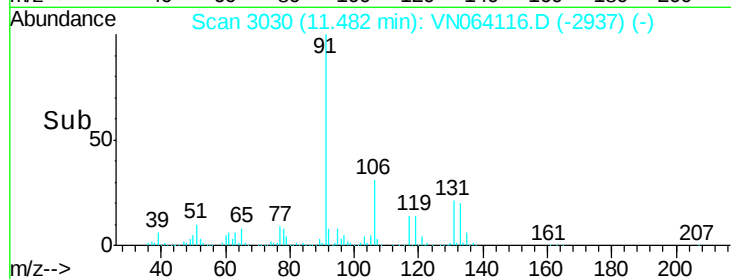
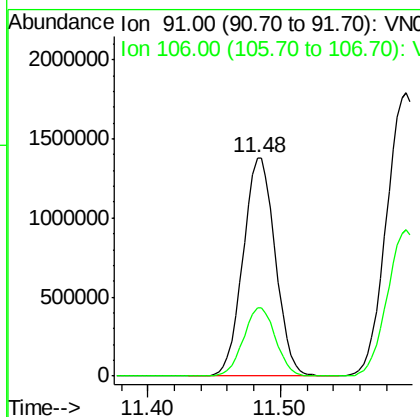
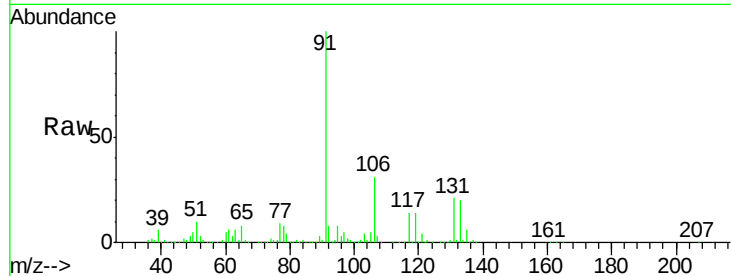
#67
Ethyl Benzene
Concen: 100.715 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2327880
Ion Ratio Lower Upper
91 100
106 31.2 24.7 37.1

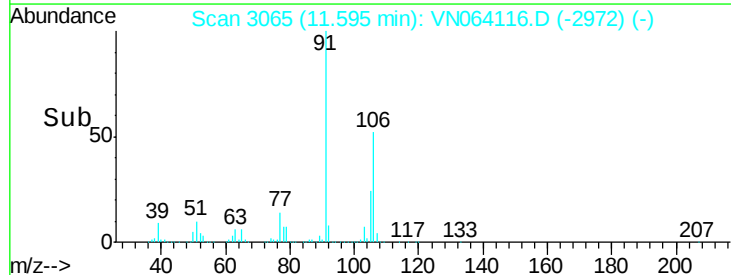
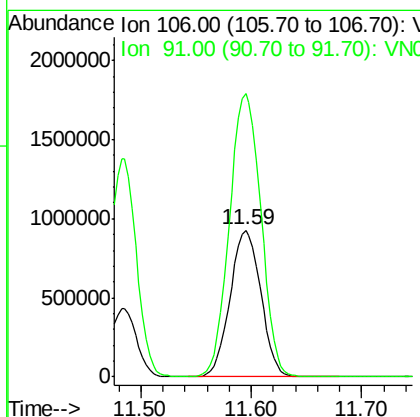
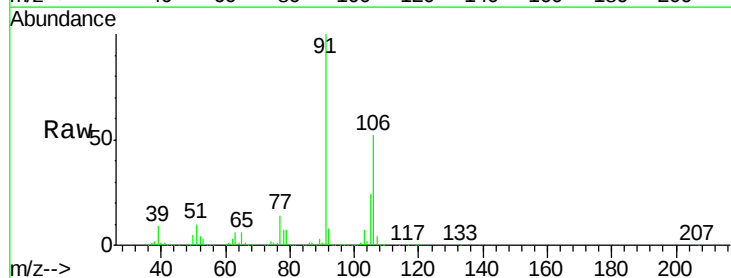
Manual Integrations
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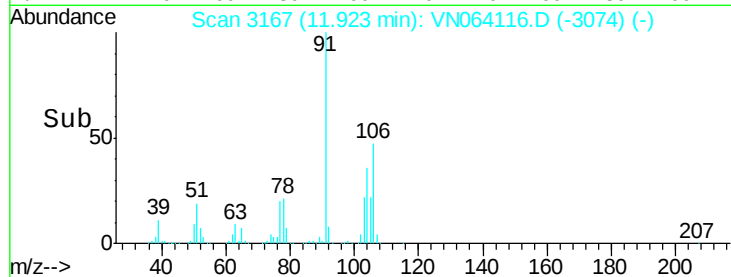
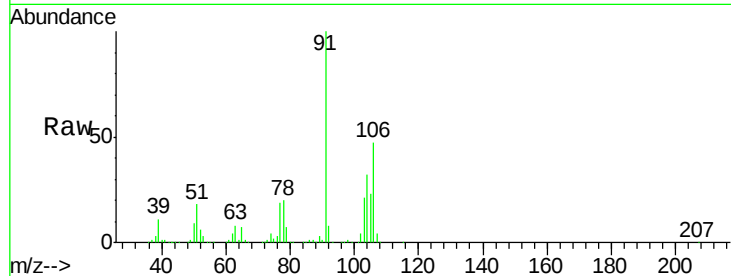
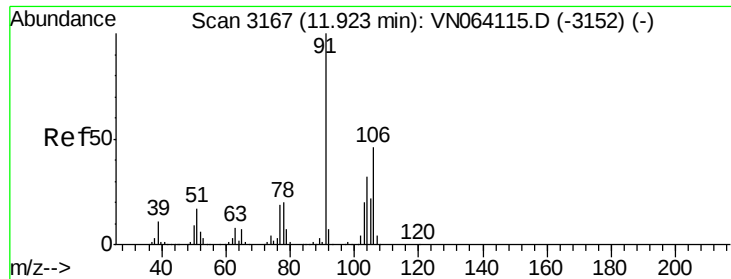
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#68
m/p-Xylenes
Concen: 206.211 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion: 106 Resp: 1787379
Ion Ratio Lower Upper
106 100
91 198.1 162.1 243.1





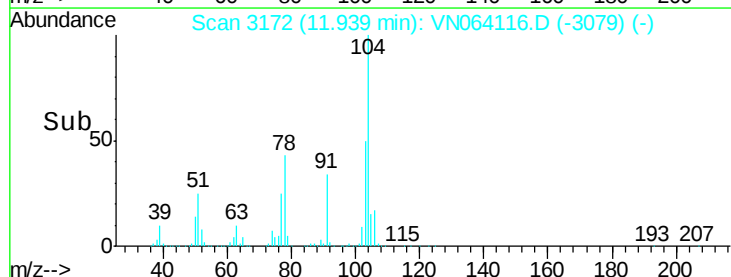
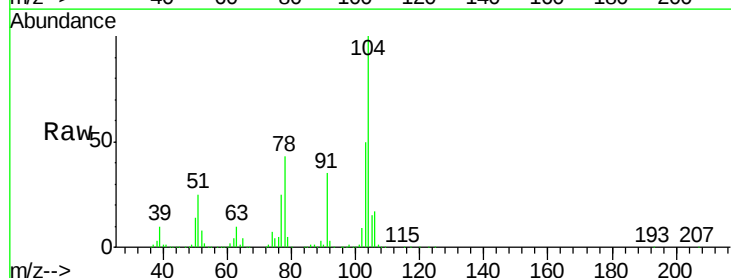
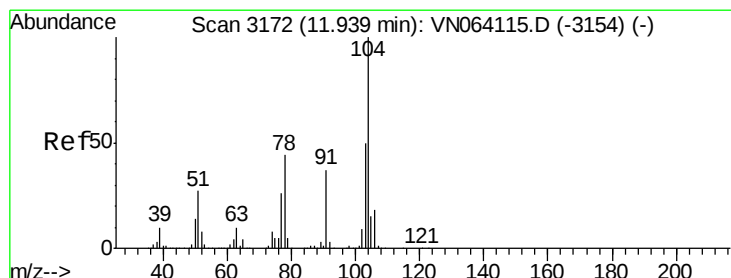
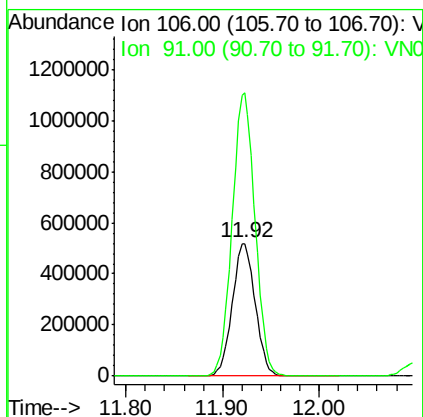
#69
o-Xylene
Concen: 105.395 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tot Ion:106 Resp: 854087
Ion Ratio Lower Upper
106 100
91 212.6 107.6 322.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

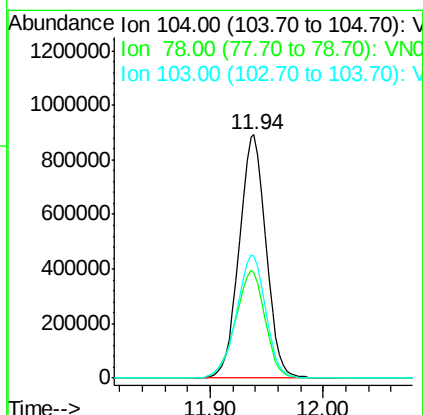
Manual Integrations
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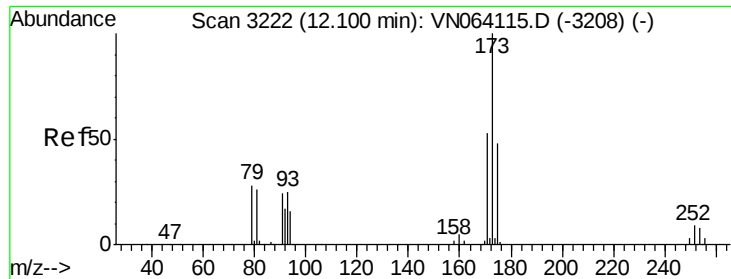
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#70
Styrene
Concen: 107.789 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion:104 Resp: 1478885
Ion Ratio Lower Upper
104 100
78 48.9 39.7 59.5
103 55.1 44.2 66.2





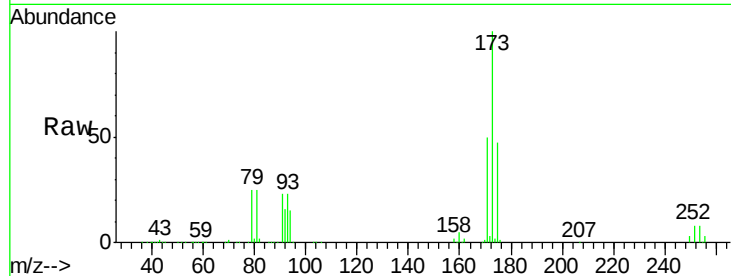
#71
Bromoform
Concen: 108.026 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.4	70.2
254	0.2	0.1	0.1#

Manual Integrations
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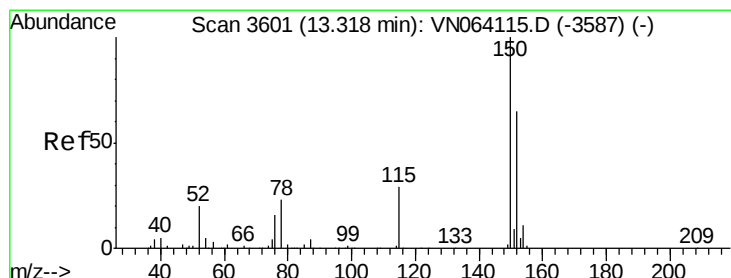
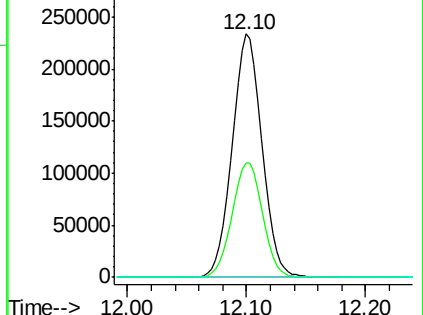
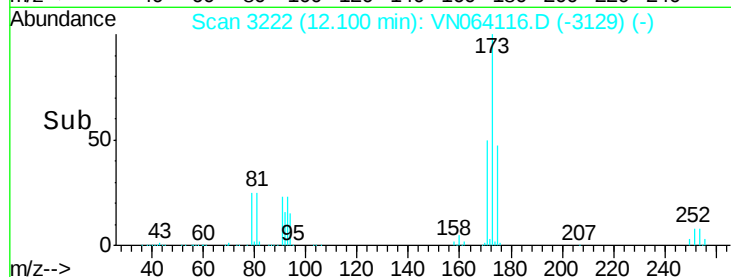


Abundance

Ion 172.70 (172.40 to 173.40): V

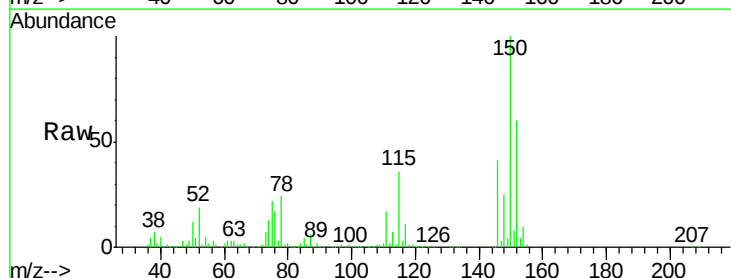
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.3	87.8
150	191.1	0.0	346.0

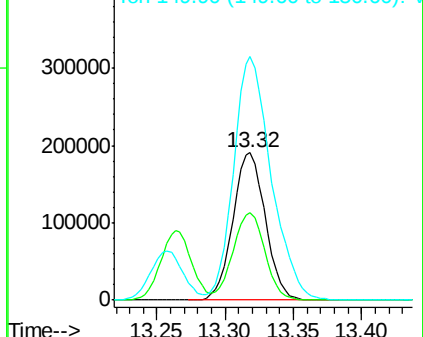
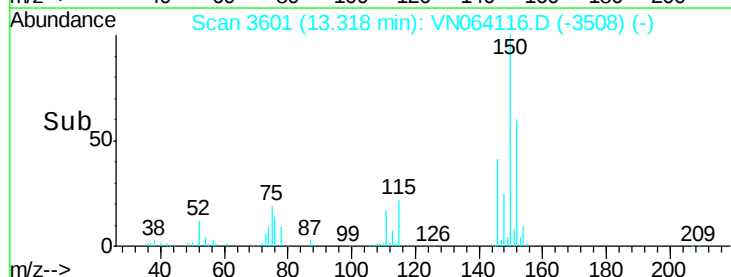


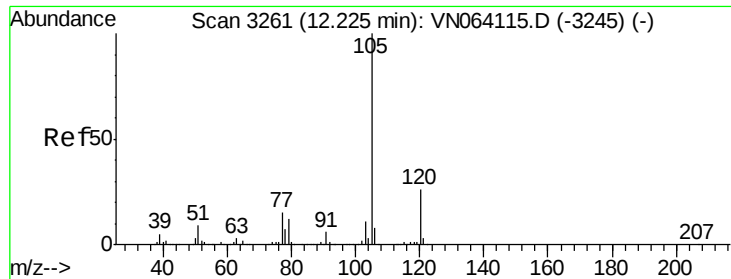
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





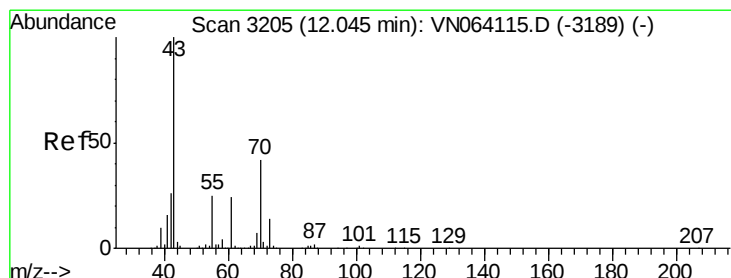
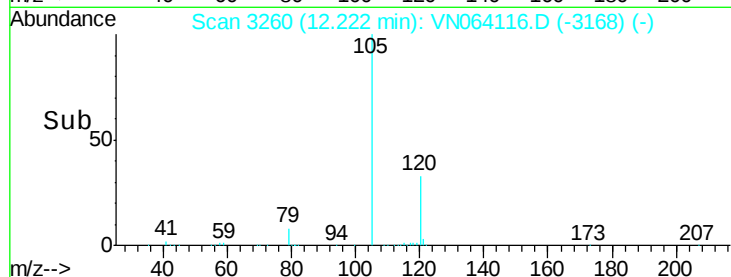
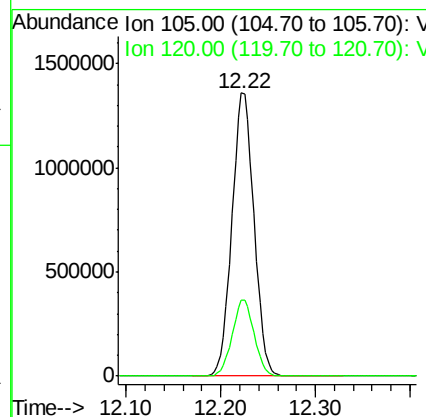
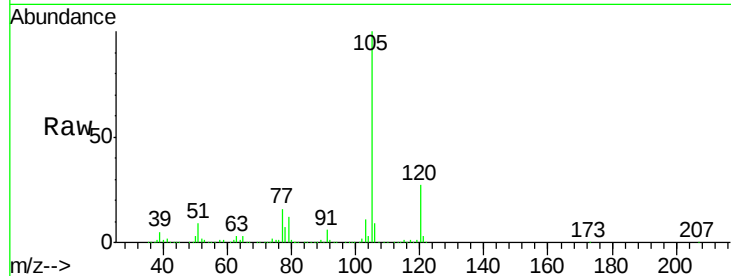
#73
Isopropylbenzene
Concen: 95.792 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 105 Resp: 2204291
Ion Ratio Lower Upper
105 100
120 26.6 13.2 39.5

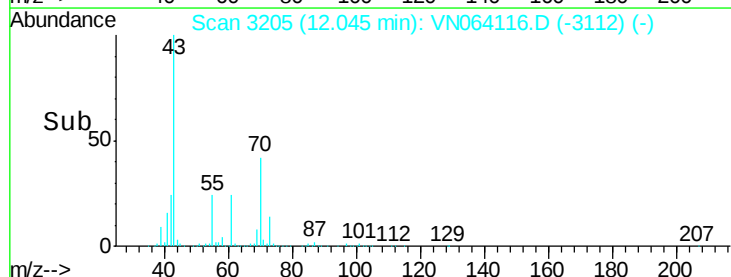
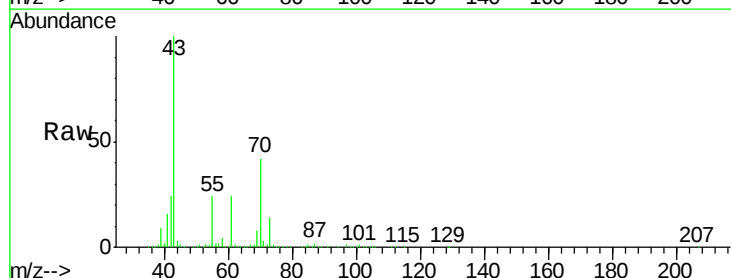
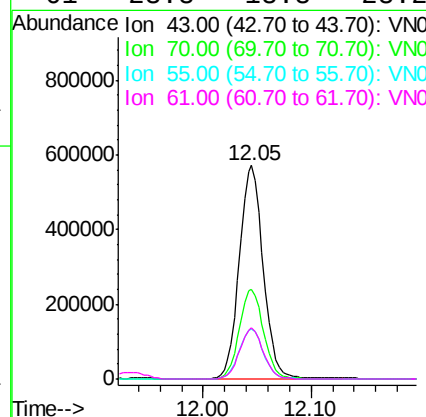
Manual Integrations
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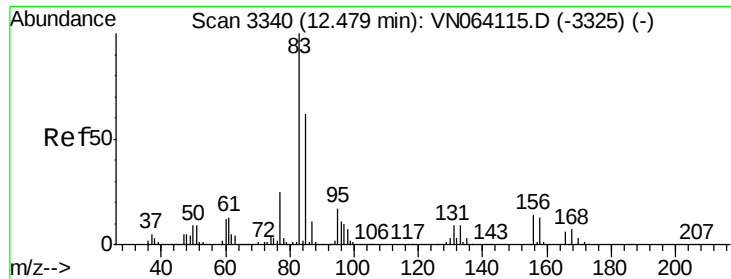
MMDadoda
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#74
N-ethyl acetate
Concen: 94.374 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion: 43 Resp: 876394
Ion Ratio Lower Upper
43 100
70 42.7 33.2 49.8
55 24.1 19.9 29.9
61 23.8 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 96.875 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 686977
Ion Ratio Lower Upper

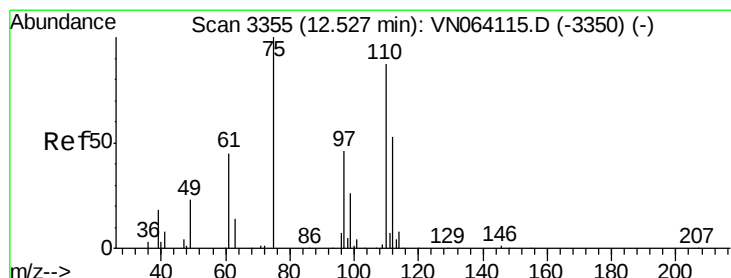
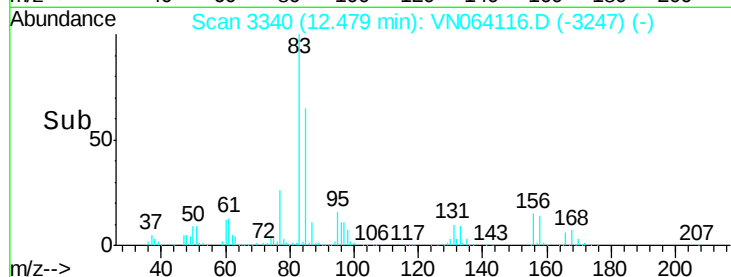
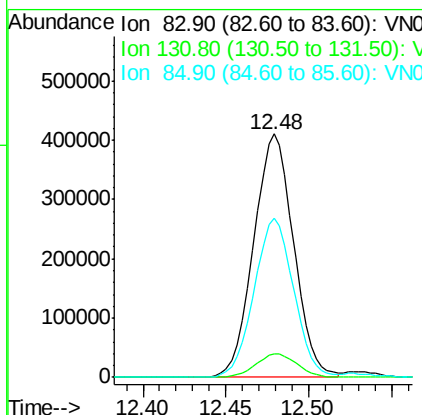
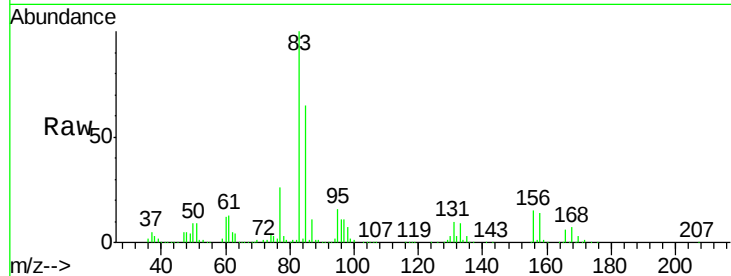
83 100

131 10.0 5.0 15.0

85 64.6 31.9 95.9

Manual Integrations
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10/15/2020 12:17:27 PM



#76

1,2,3-Trichloropropane

Concen: 95.261 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

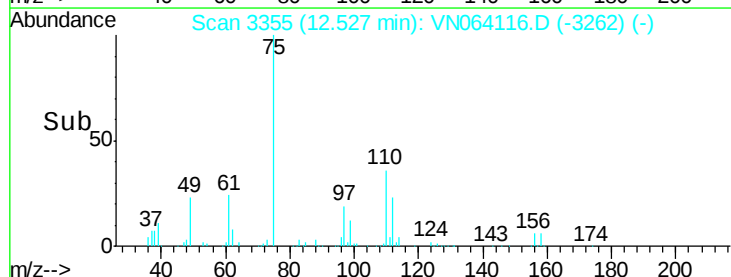
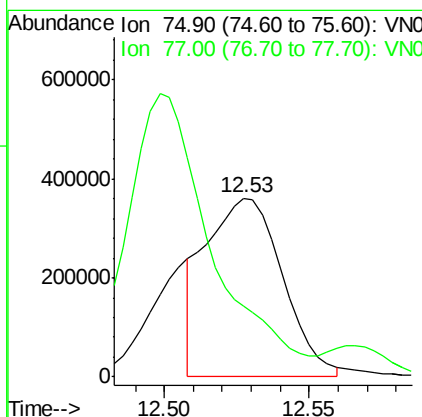
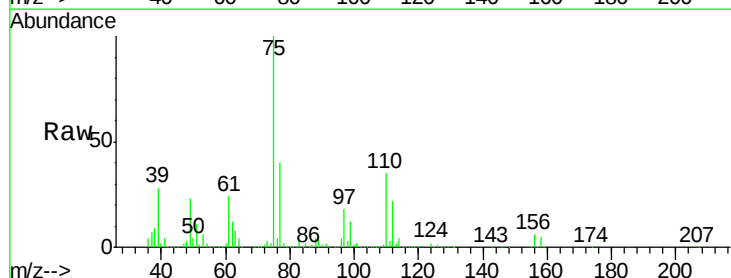
Lab File: VN064116.D

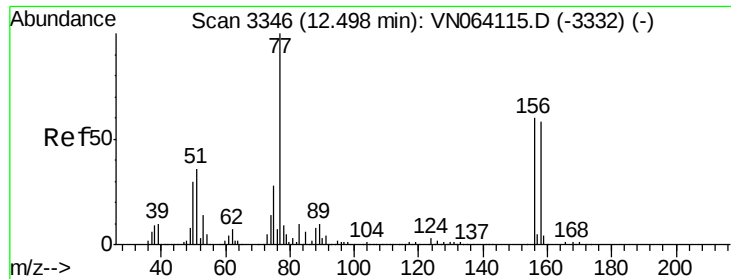
Acq: 14 Oct 2020 15:53

Tgt Ion: 75 Resp: 662262
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 101.488 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

Instrument :

MSVOA_N

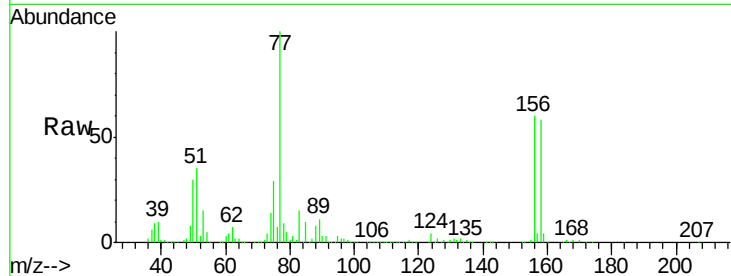
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	582292
Ion Ratio	Lower	Upper	
156	100		
77	199.4	99.3	297.9
158	97.3	48.6	145.9

Manual Integrations
APPROVED

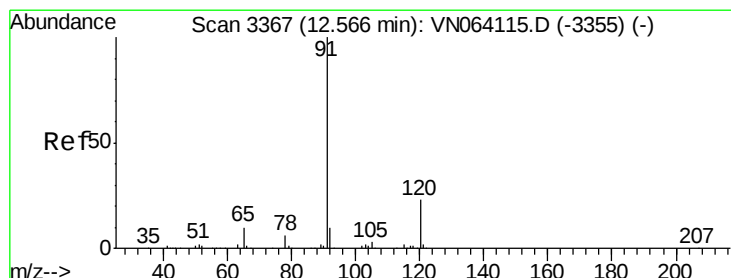
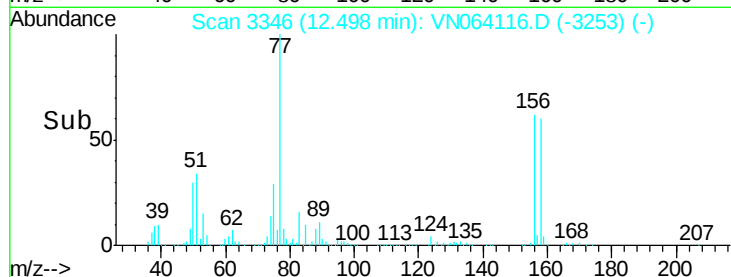
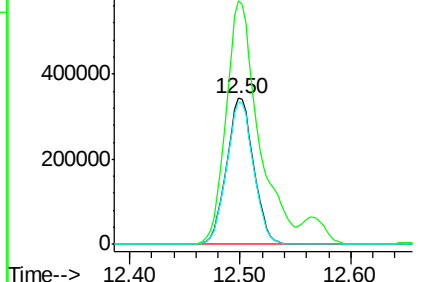
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 94.241 ug/l

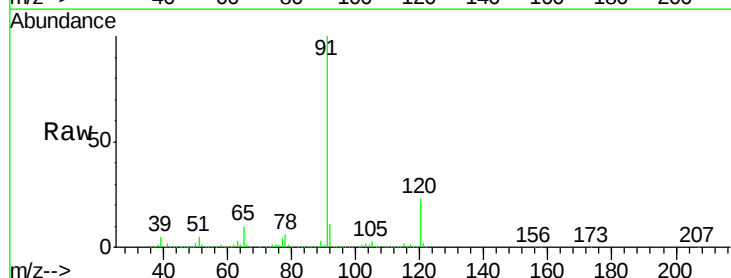
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064116.D

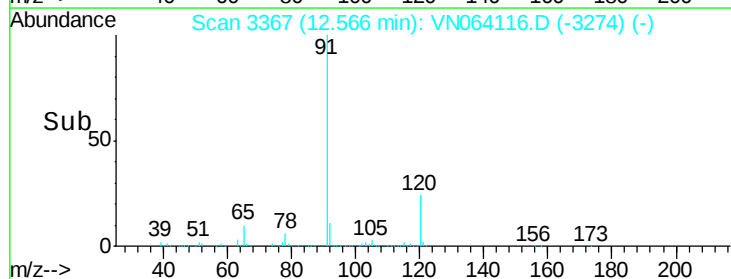
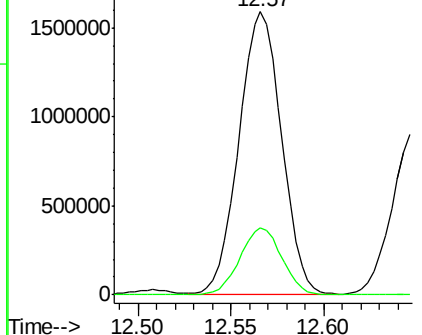
Acq: 14 Oct 2020 15:53

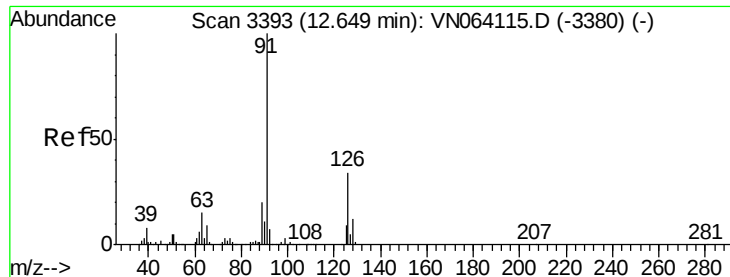
Tgt Ion:	91	Resp:	2520348
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 91.646 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 91 Resp: 1511169

Ion Ratio Lower Upper

91 100

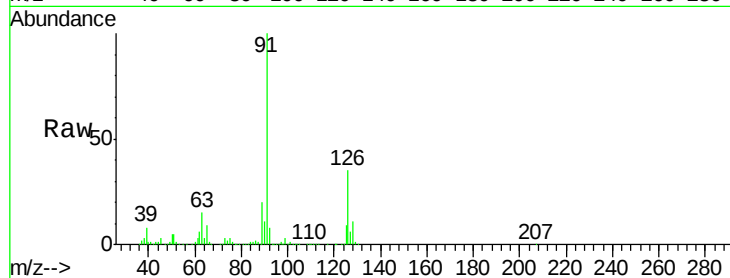
126 35.0 17.5 52.5

Manual Integrations

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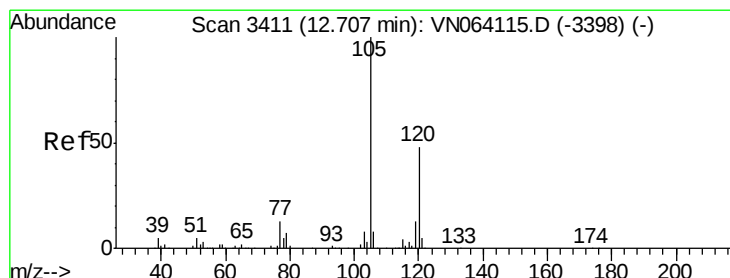
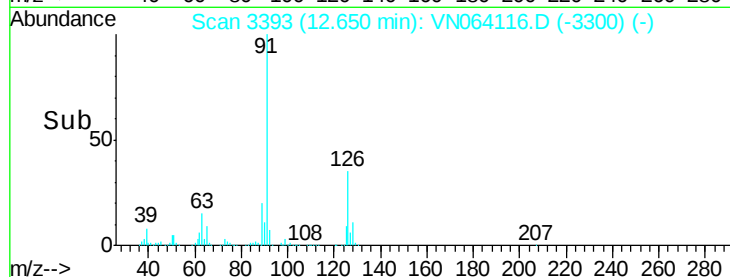
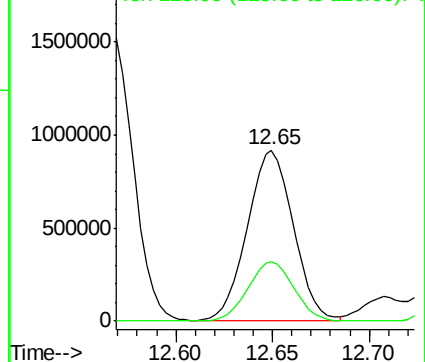
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Abundance Ion 91.00 (90.70 to 91.70): VN064116.D (-3393) (-)

Ion 125.90 (125.60 to 126.60): VN064116.D (-3393) (-)



#80

1,3,5-Trimethylbenzene

Concen: 96.064 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064116.D

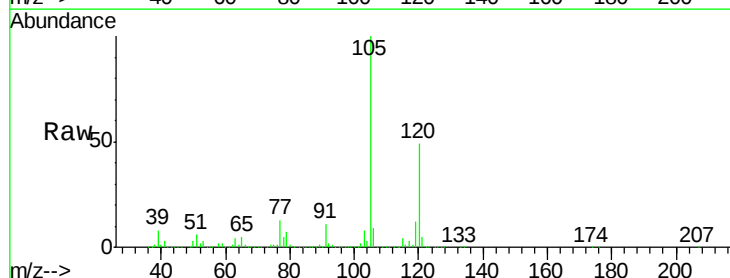
Acq: 14 Oct 2020 15:53

Tgt Ion: 105 Resp: 1854620

Ion Ratio Lower Upper

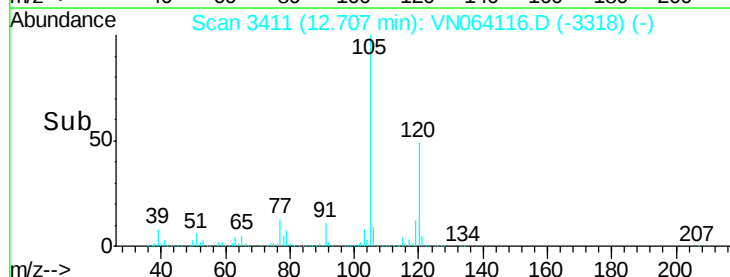
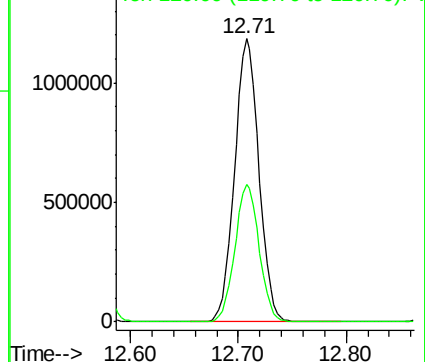
105 100

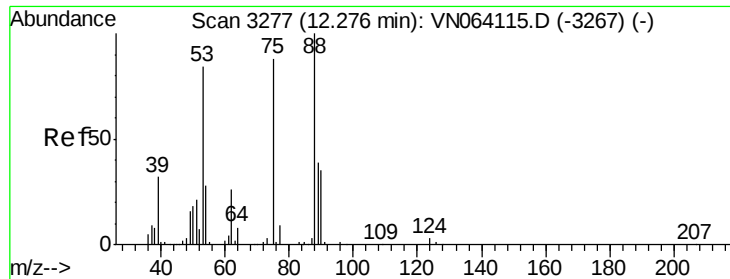
120 48.6 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN064116.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064116.D (-3411) (-)





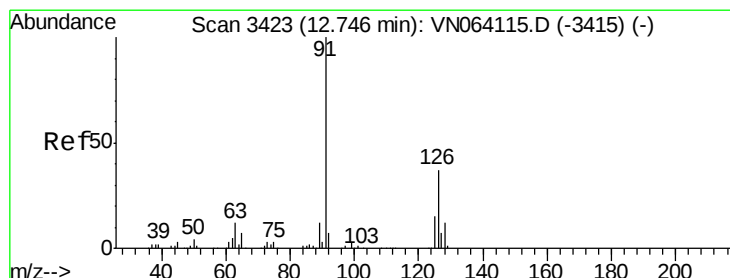
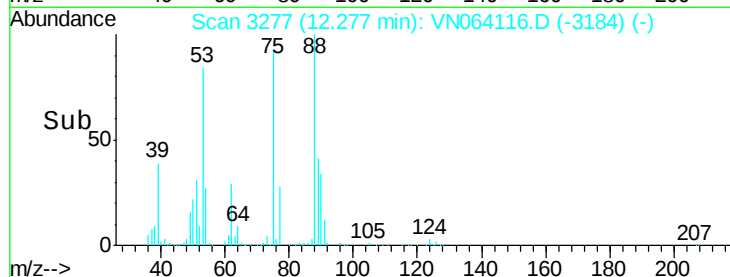
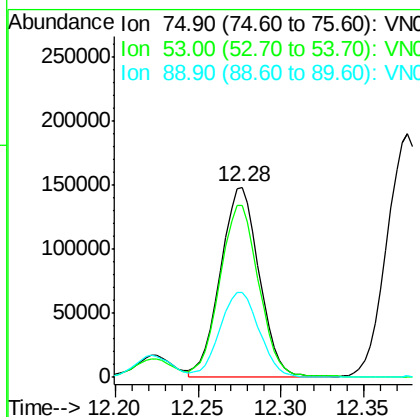
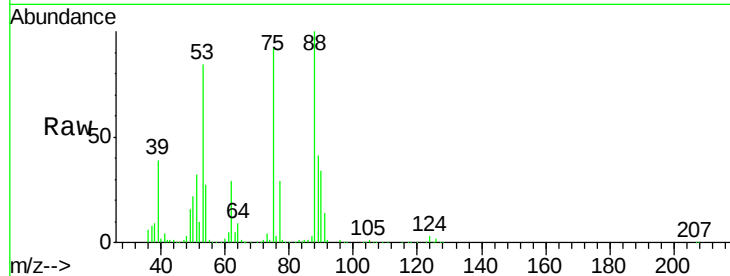
#81
trans-1,4-Dichloro-2-butene
Concen: 99.336 ug/l
RT: 12.28 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.8	75.7	113.5
89	46.5	36.6	55.0

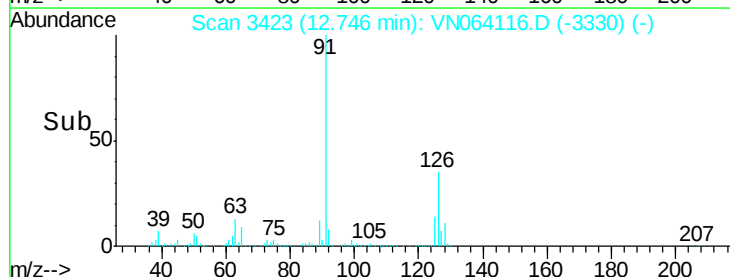
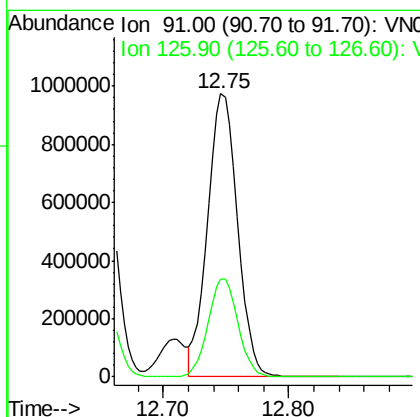
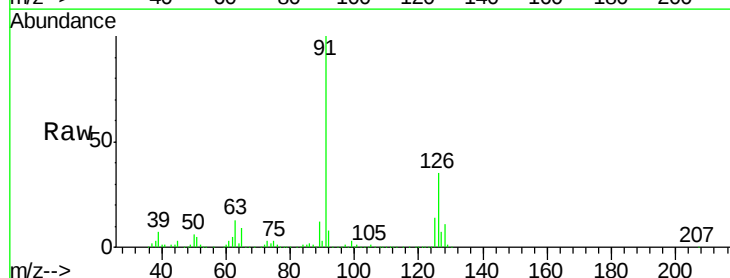
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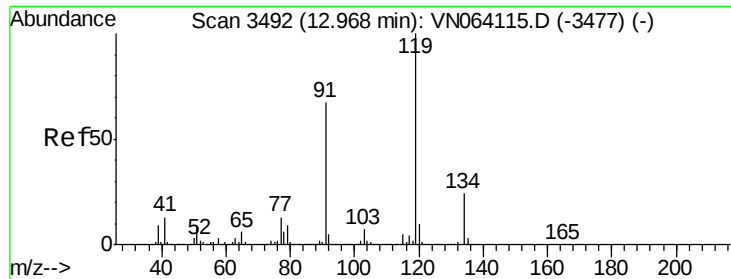
MMDadoda
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#82
4-Chlorotoluene
Concen: 94.422 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.1	51.2





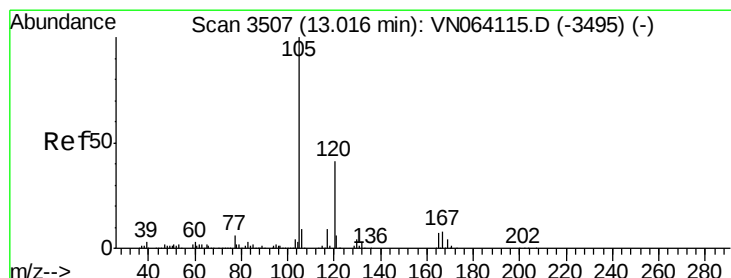
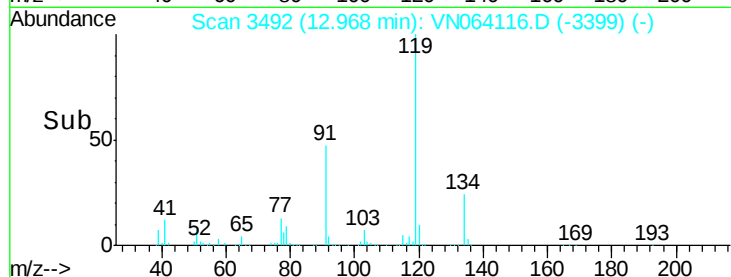
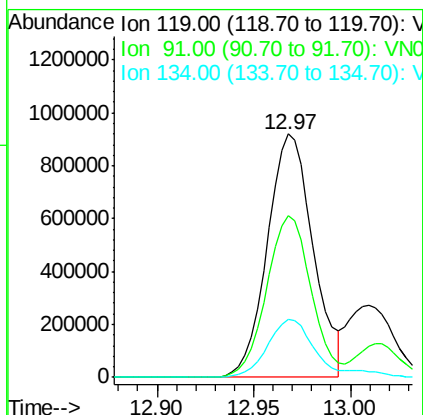
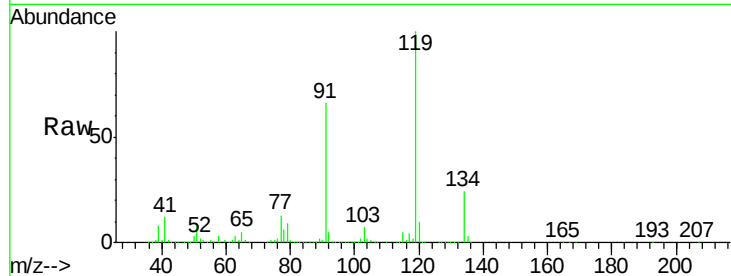
#83
 tert-Butylbenzene
 Concen: 96.144 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Tot Ion:119 Resp: 1517417
 Ion Ratio Lower Upper
 119 100
 91 64.8 32.6 98.0
 134 25.6 13.0 39.0

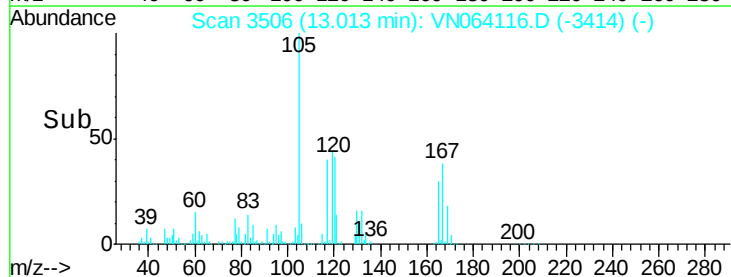
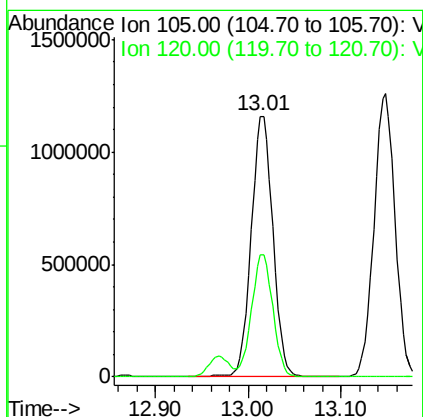
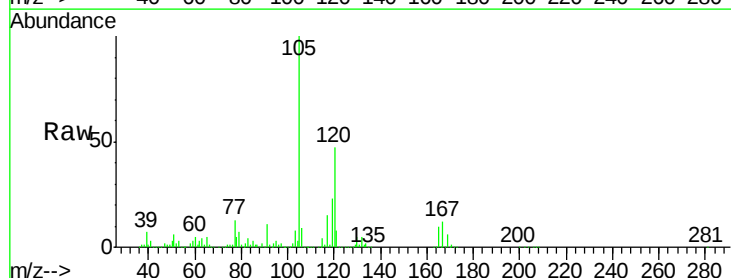
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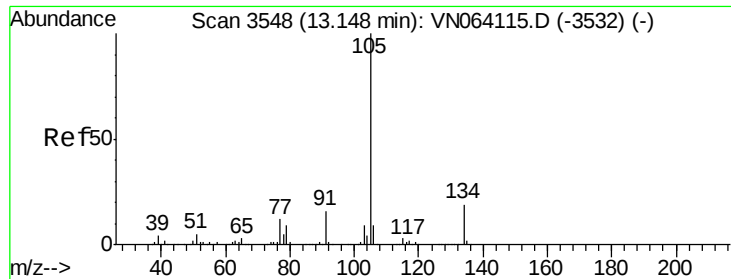
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#84
 1,2,4-Trimethylbenzene
 Concen: 97.926 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Tgt Ion:105 Resp: 1877949
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.8 68.4





#85

sec-Butylbenzene

Concen: 95.887 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1983389

Ion Ratio Lower Upper

105 100

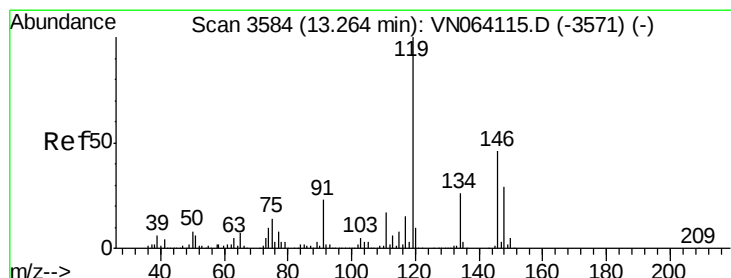
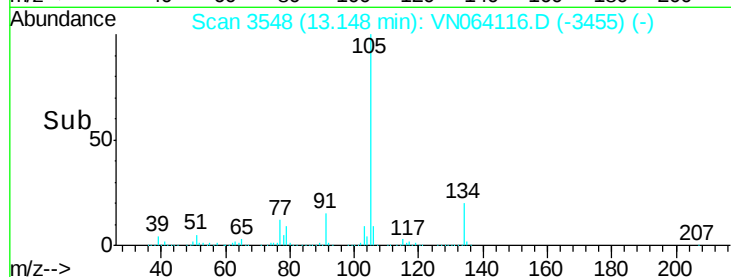
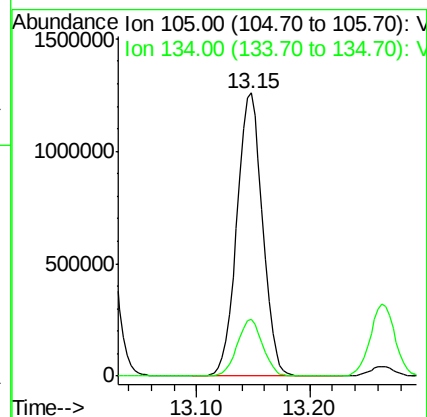
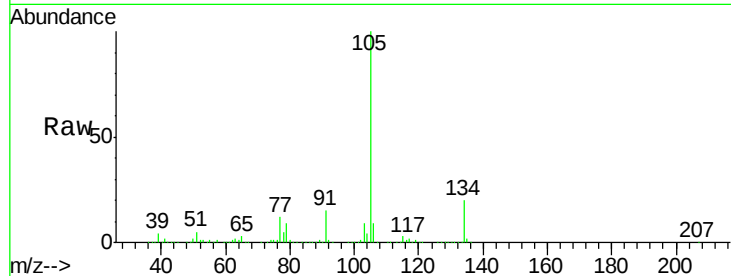
134 19.8 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 99.070 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

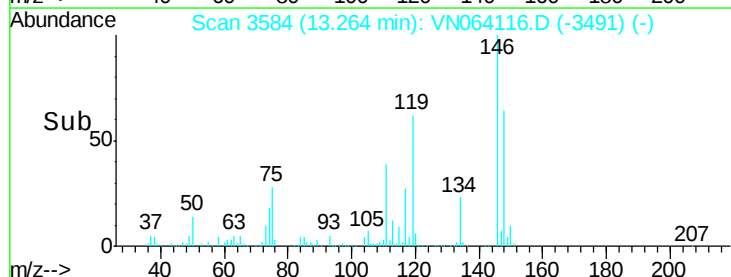
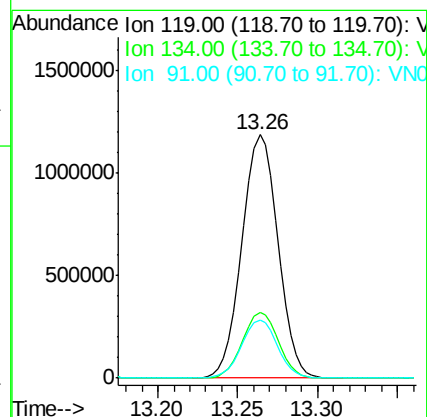
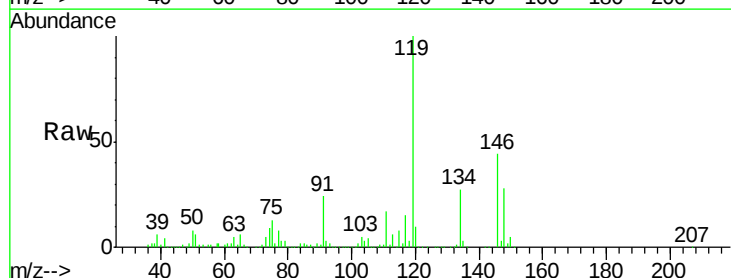
Tgt Ion:119 Resp: 1810530

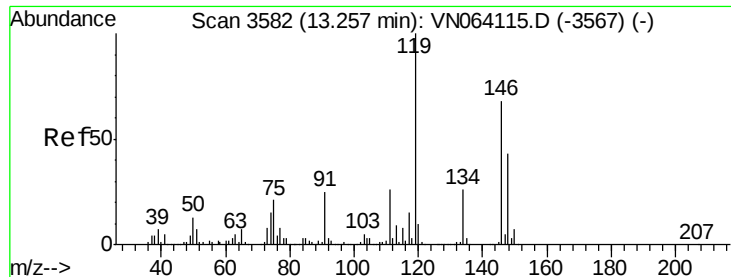
Ion Ratio Lower Upper

119 100

134 26.9 13.2 39.5

91 23.7 12.0 36.1





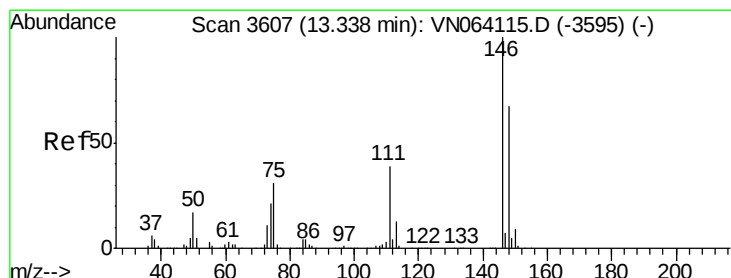
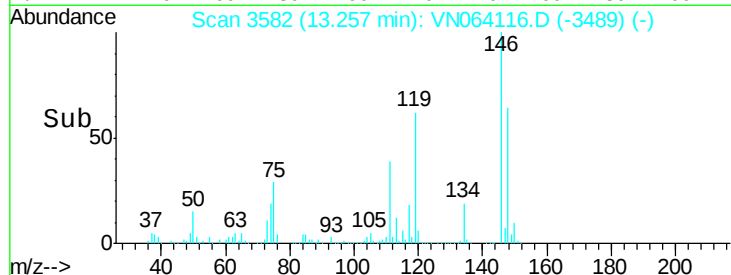
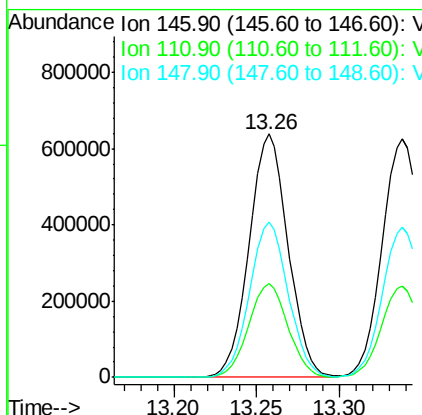
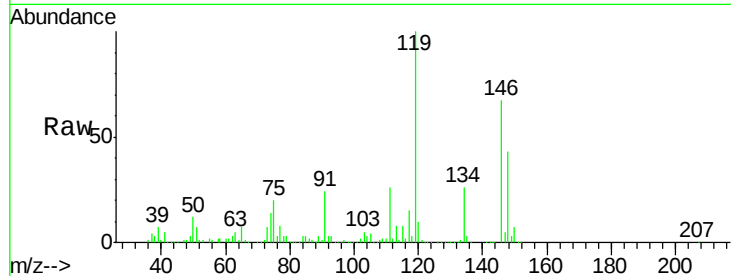
#87
 1,3-Dichlorobenzene
 Concen: 100.997 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1040159
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.7 59.1
 148 63.6 32.0 96.2

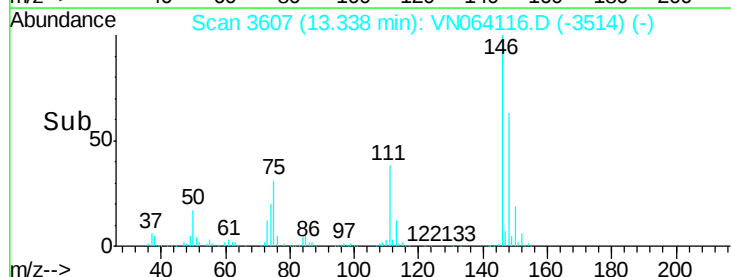
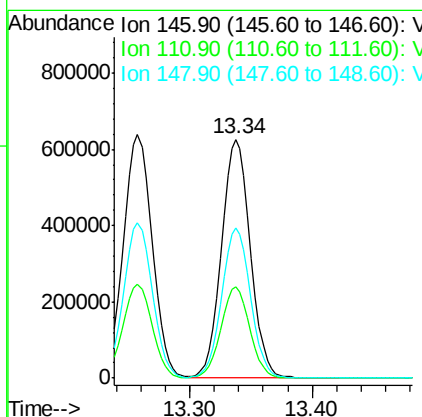
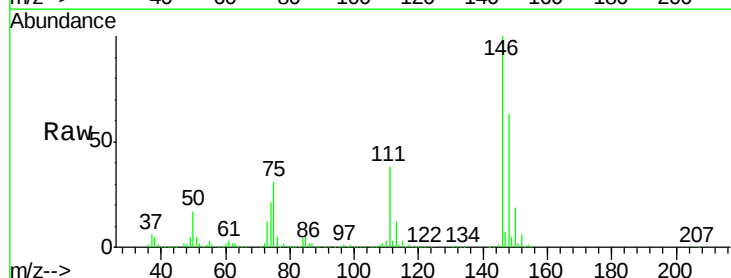
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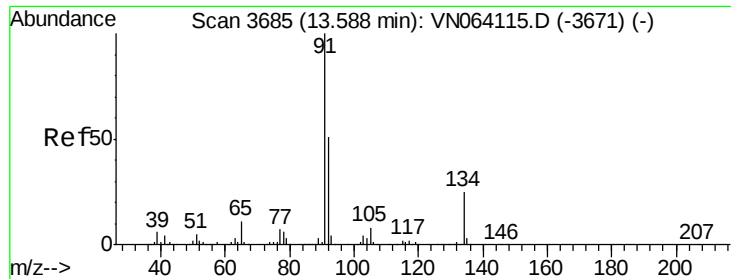
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#88
 1,4-Dichlorobenzene
 Concen: 96.728 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Tgt Ion:146 Resp: 1038221
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.3 57.9
 148 63.1 32.1 96.5





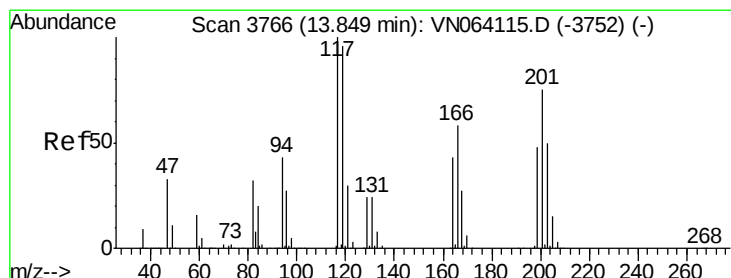
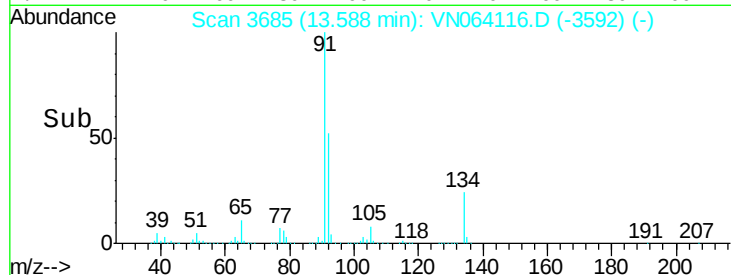
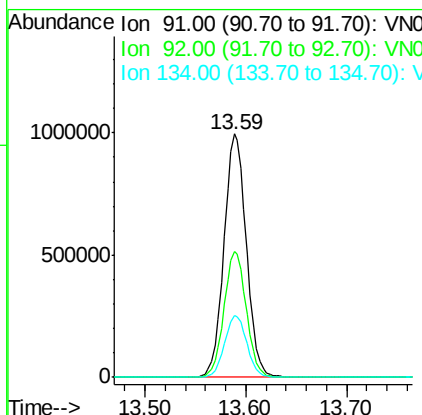
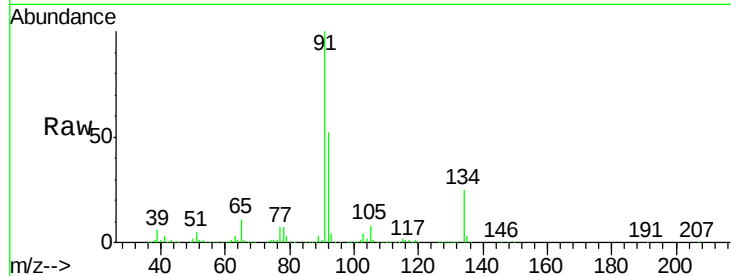
#89
n-Butylbenzene
Concen: 92.839 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1544200
Ion Ratio Lower Upper
91 100
92 51.5 25.6 76.6
134 25.4 12.6 37.8

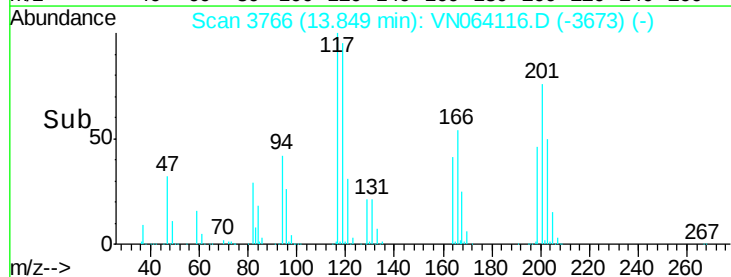
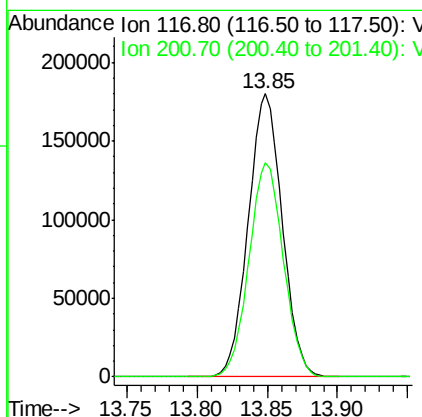
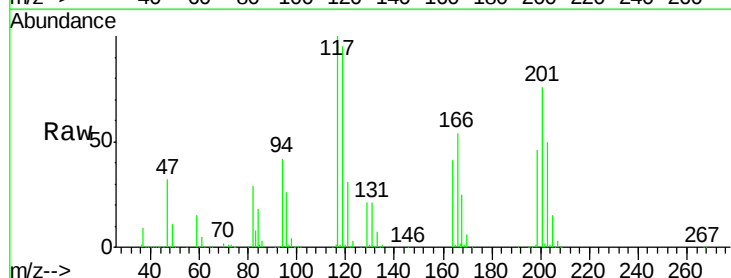
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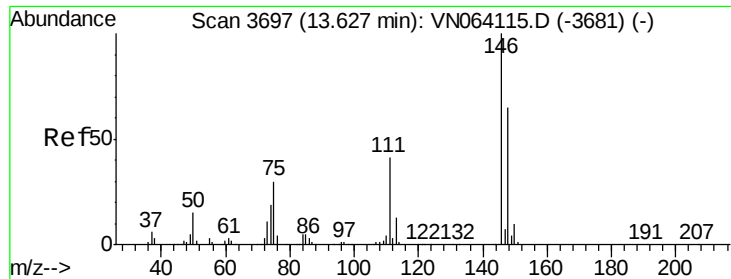
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#90
Hexachloroethane
Concen: 87.336 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064116.D
Acq: 14 Oct 2020 15:53

Tgt Ion: 117 Resp: 303675
Ion Ratio Lower Upper
117 100
201 76.8 37.4 112.2





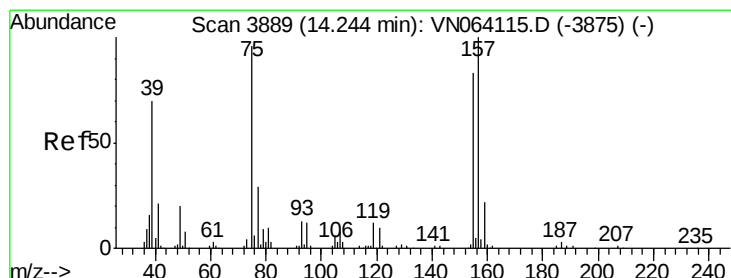
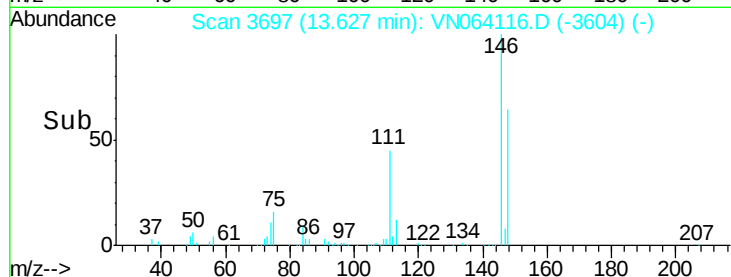
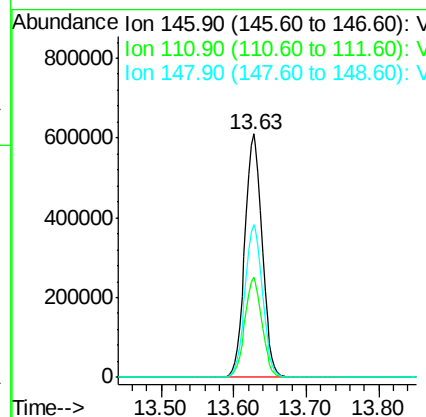
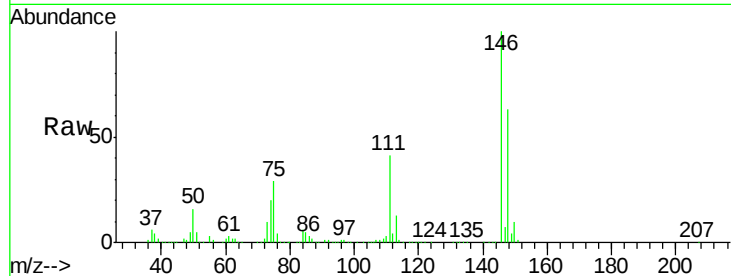
#91
 1,2-Dichlorobenzene
 Concen: 99.242 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.8
148	63.5	32.2	96.6

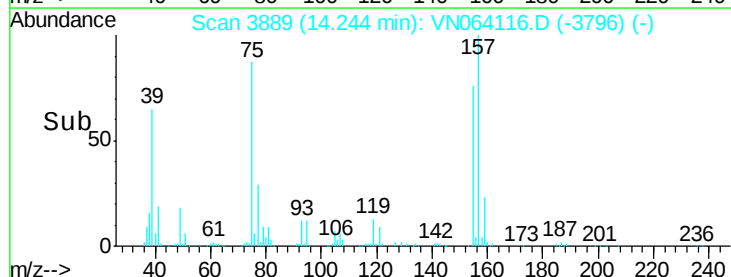
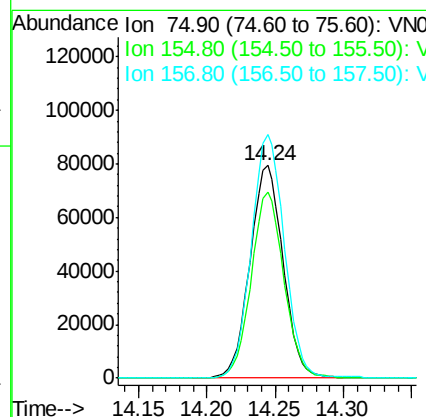
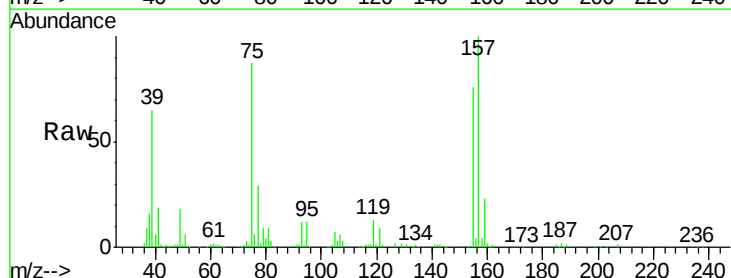
Manual Integrations
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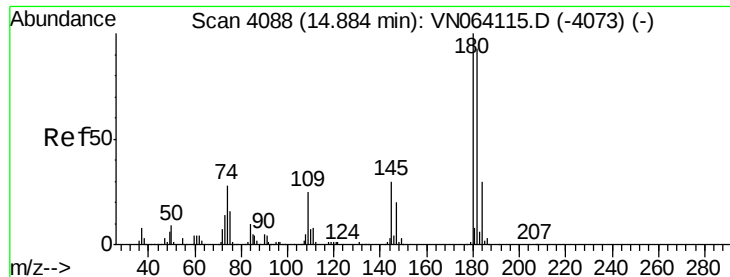
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 83.122 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.1	40.8	122.2
157	113.3	53.9	161.7





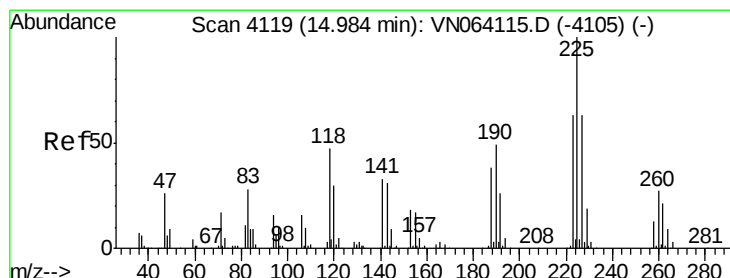
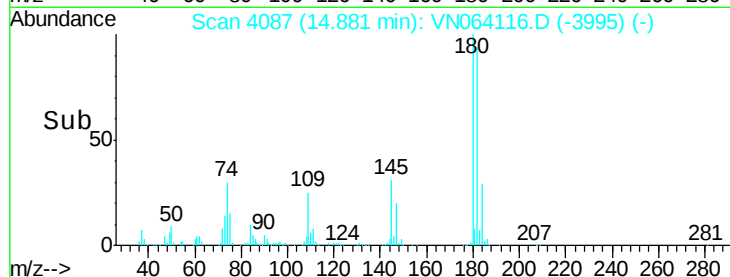
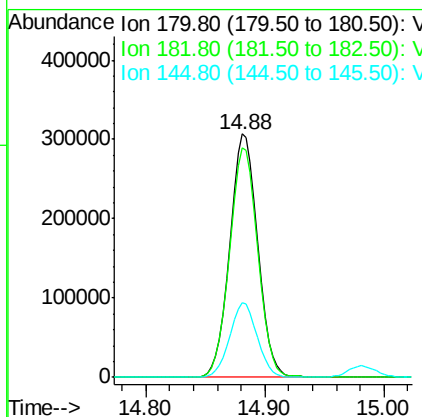
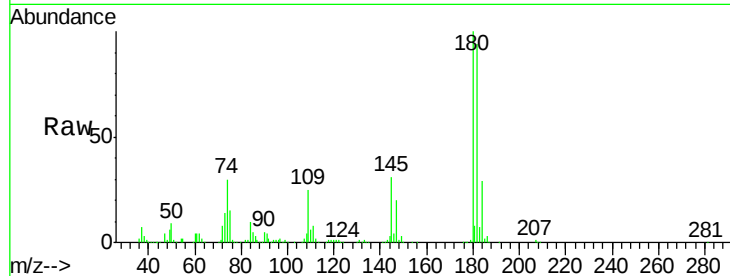
#93
 1,2,4-Trichlorobenzene
 Concen: 91.122 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	45.8	137.4	
145	30.3	15.4	46.1	

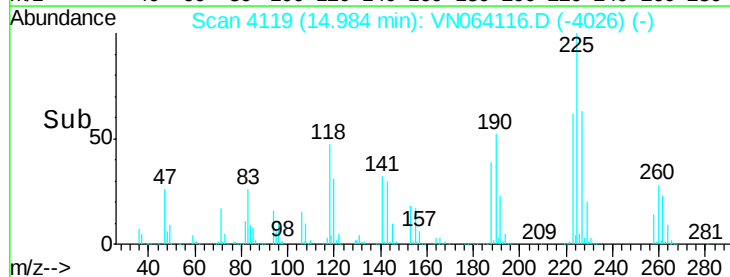
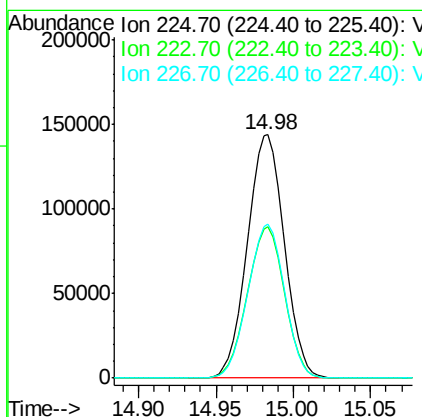
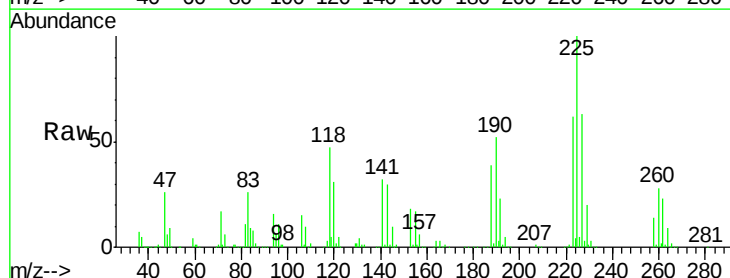
Manual Integrations
 APPROVED

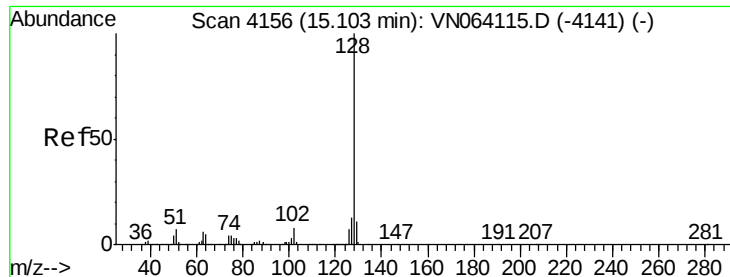
MMDadoda
 10/15/2020 12:17:27 PM



#94
 Hexachlorobutadiene
 Concen: 75.805 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064116.D
 Acq: 14 Oct 2020 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	32.3	96.9	
227	62.6	31.6	94.8	





#95

Naphthalene

Concen: 92.067 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

Instrument :

MSVOA_N

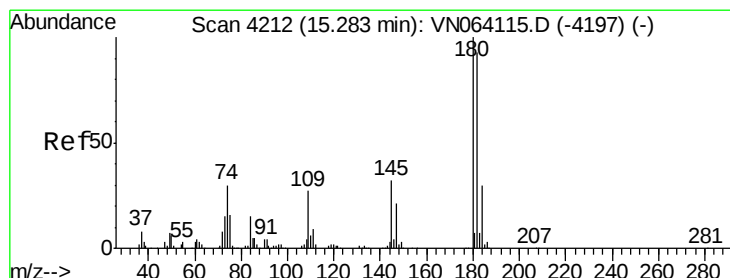
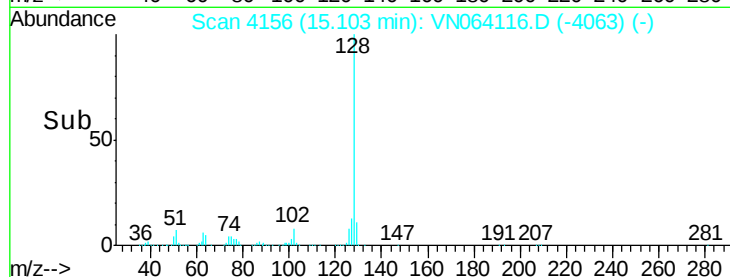
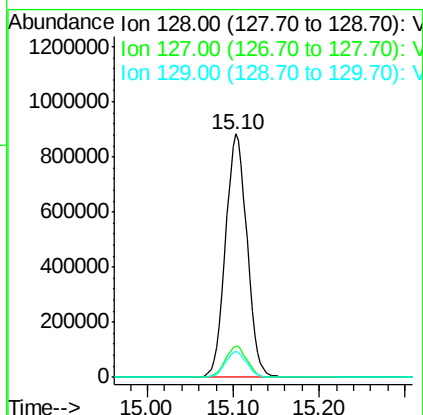
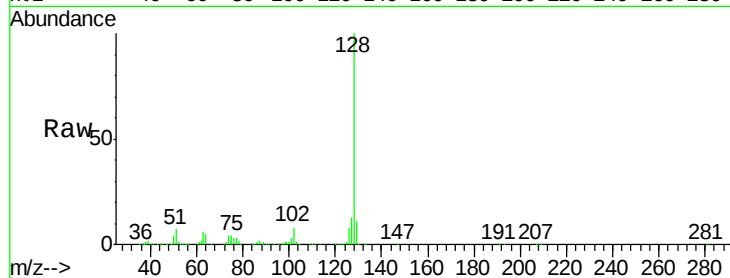
ClientSampleId :

VSTDICC100

Tot Ion:	128	Resp:	1535030
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:27 PM



#96

1,2,3-Trichlorobenzene

Concen: 89.851 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064116.D

Acq: 14 Oct 2020 15:53

Tgt Ion:	180	Resp:	495767
Ion	Ratio	Lower	Upper
180	100		
182	95.8	46.6	139.8
145	31.8	16.1	48.2

