

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012020\
 Data File : VN059783.D
 Acq On : 20 Jan 2020 13:47
 Operator : JC/MD
 Sample : VN0120MBSD01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0120MBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/21/2020 11:01:11 AM

Quant Time: Jan 21 02:25:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	190510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	289548	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	262173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	125003	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	107663	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
35) Dibromofluoromethane	7.56	113	91258	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
50) Toluene-d8	10.08	98	340150	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.40	95	119187	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	43918	19.231	ug/l	97
3) Chloromethane	2.03	50	41258	18.916	ug/l	98
4) Vinyl Chloride	2.17	62	50072	20.065	ug/l	98
5) Bromomethane	2.54	94	30983	20.344	ug/l	98
6) Chloroethane	2.68	64	22816	19.325	ug/l	98
7) Trichlorofluoromethane	3.00	101	58622	19.560	ug/l	100
8) Diethyl Ether	3.38	74	22132	21.042	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34135	20.464	ug/l	90
10) Methyl Iodide	3.93	142	51458	19.085	ug/l	96
11) Tert butyl alcohol	4.73	59	37067	104.074	ug/l	99
12) 1,1-Dichloroethene	3.72	96	33568	19.259	ug/l	88
13) Acrolein	3.58	56	15043	59.666	ug/l	97
14) Allyl chloride	4.29	41	50315	21.417	ug/l #	94
15) Acrylonitrile	4.95	53	81453	100.258	ug/l	99
16) Acetone	3.78	43	74319	96.861	ug/l	96
17) Carbon Disulfide	4.03	76	90937	18.315	ug/l	100
18) Methyl Acetate	4.29	43	49630	20.083	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	117195	20.623	ug/l	94
20) Methylene Chloride	4.52	84	38773	19.466	ug/l	87
21) trans-1,2-Dichloroethene	5.01	96	36508	19.705	ug/l	85
22) Diisopropyl ether	5.92	45	104269	19.585	ug/l #	97
23) Vinyl Acetate	5.86	43	406612	98.643	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	62880	19.329	ug/l	98
25) 2-Butanone	6.80	43	109481	91.380	ug/l	93
26) 2,2-Dichloropropane	6.80	77	60515	19.350	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	42810	20.089	ug/l	86
28) Bromochloromethane	7.17	49	24047	18.495	ug/l #	73
29) Tetrahydrofuran	7.18	42	71594	96.582	ug/l	88
30) Chloroform	7.35	83	67087	19.904	ug/l	99
31) Cyclohexane	7.63	56	57766	18.454	ug/l #	88
32) 1,1,1-Trichloroethane	7.54	97	61765	19.819	ug/l	96
36) 1,1-Dichloropropene	7.77	75	49051	19.453	ug/l	95
37) Ethyl Acetate	6.90	43	45624	19.292	ug/l	95
38) Carbon Tetrachloride	7.75	117	53962	19.674	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	59166	19.030	ug/l	90
40) Benzene	8.02	78	147275	19.584	ug/l	100
41) Methacrylonitrile	7.14	41	17440	14.972	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	51831	20.328	ug/l	96
43) Isopropyl Acetate	8.14	43	78228	19.231	ug/l #	94
44) Trichloroethene	8.82	130	42588	20.745	ug/l	96
45) 1,2-Dichloropropane	9.10	63	37514	20.160	ug/l	98
46) Dibromomethane	9.19	93	27205	20.725	ug/l	90
47) Bromodichloromethane	9.39	83	55403	20.945	ug/l	99
48) Methyl methacrylate	9.18	41	33838	18.597	ug/l	89
49) 1,4-Dioxane	9.18	88	15279	458.709	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	225228	95.782	ug/l	94
52) Toluene	10.14	92	94724	19.942	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	60296	20.415	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	63413	20.405	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	38636	20.537	ug/l	97
56) Ethyl methacrylate	10.42	69	55963	19.468	ug/l	90
57) 1,3-Dichloropropane	10.70	76	61235	20.502	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	89790	103.704	ug/l	90
59) 2-Hexanone	10.74	43	162293	93.685	ug/l	93
60) Dibromochloromethane	10.89	129	45103	21.053	ug/l	97
61) 1,2-Dibromoethane	10.99	107	41498	21.046	ug/l	98
64) Tetrachloroethene	10.62	164	42445	19.864	ug/l	95
65) Chlorobenzene	11.43	112	102914	19.971	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40489	20.334	ug/l	98
67) Ethyl Benzene	11.51	91	181860	19.441	ug/l	98
68) m/p-Xylenes	11.62	106	139782	39.558	ug/l	93
69) o-Xylene	11.94	106	68569	19.821	ug/l	92
70) Styrene	11.96	104	111124	19.196	ug/l	96
71) Bromoform	12.12	173	32478	20.363	ug/l #	98
73) Isopropylbenzene	12.25	105	182279	19.883	ug/l	99
74) N-amyl acetate	12.07	43	64567	18.150	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	52438	19.731	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	45116m	21.446	ug/l	
77) Bromobenzene	12.52	156	46714	20.121	ug/l	81
78) n-propylbenzene	12.59	91	200505	19.486	ug/l	96
79) 2-Chlorotoluene	12.67	91	119111	19.458	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	151431	19.641	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19030	19.426	ug/l	94
82) 4-Chlorotoluene	12.77	91	121824	19.842	ug/l	96
83) tert-Butylbenzene	12.99	119	130608	19.587	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	152278	19.964	ug/l	98
85) sec-Butylbenzene	13.17	105	172294	19.666	ug/l	99
86) p-Isopropyltoluene	13.28	119	158646	19.570	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	81181	20.130	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	80830	20.092	ug/l	97
89) n-Butylbenzene	13.61	91	131945	19.089	ug/l	97
90) Hexachloroethane	13.87	117	29530	19.470	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	81409	20.420	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11939	19.662	ug/l	87

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VN0120MBSD01

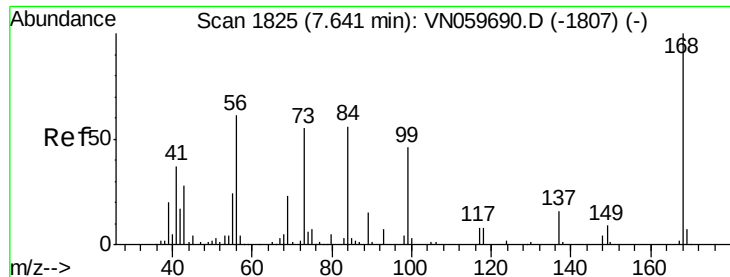
Manual Integrations
APPROVED

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1/21/2020 11:01:11 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49844	20.806	ug/l	98
94) Hexachlorobutadiene	15.01	225	26594	20.145	ug/l	99
95) Naphthalene	15.13	128	140473	20.615	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	49883	21.392	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0120MBSD01

Tot Ion:168 Resp: 190510

Ion Ratio Lower Upper

168 100

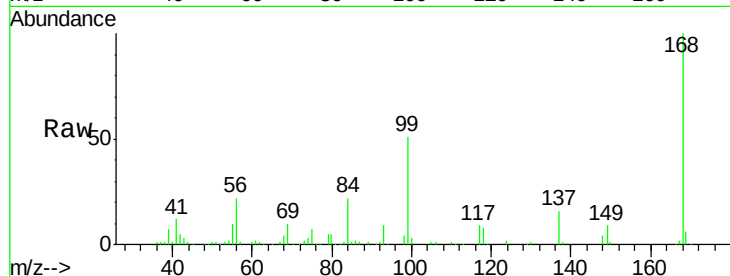
99 51.0 48.2 72.4

Manual Integrations

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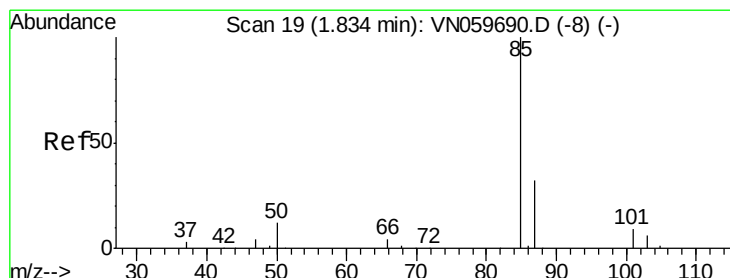
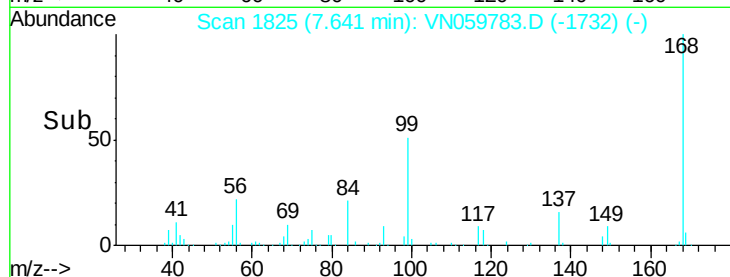
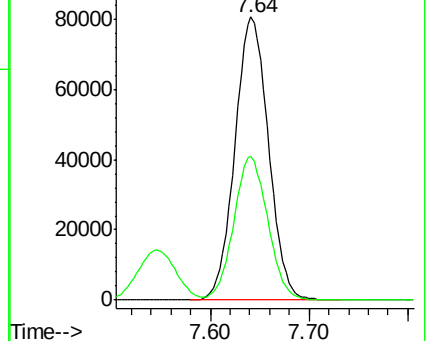
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.231 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059783.D

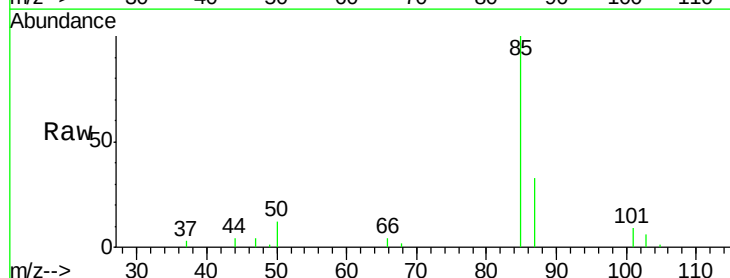
Acq: 20 Jan 2020 13:47

Tgt Ion: 85 Resp: 43918

Ion Ratio Lower Upper

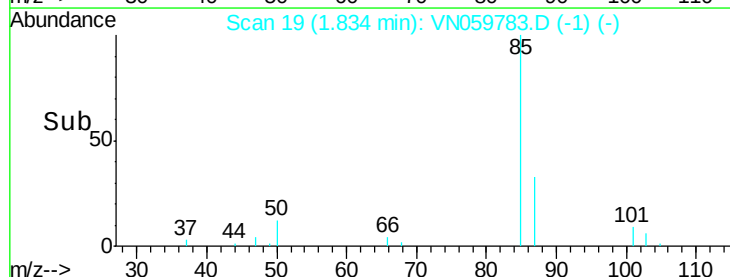
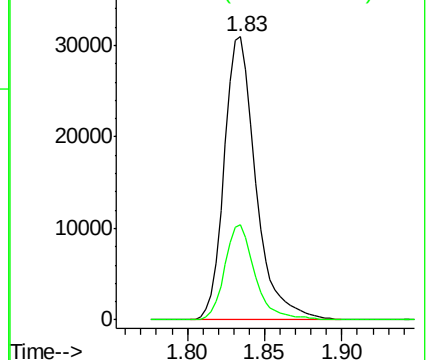
85 100

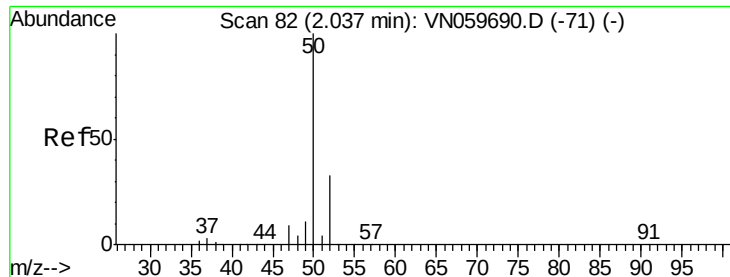
87 33.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.916 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0120MBSD01

Tot Ion: 50 Resp: 41258

Ion Ratio Lower Upper

50 100

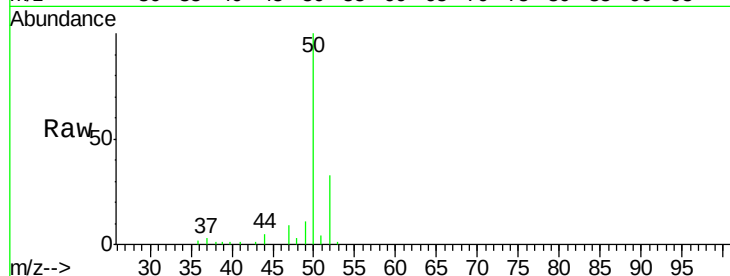
52 33.3 25.9 38.9

Manual Integrations

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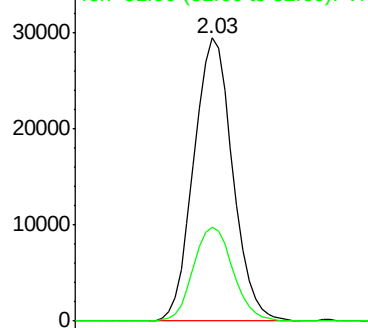
MMDadoda

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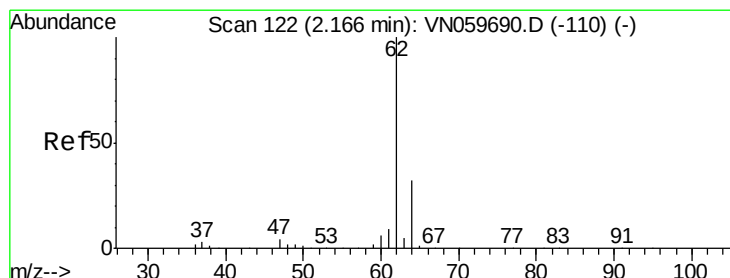
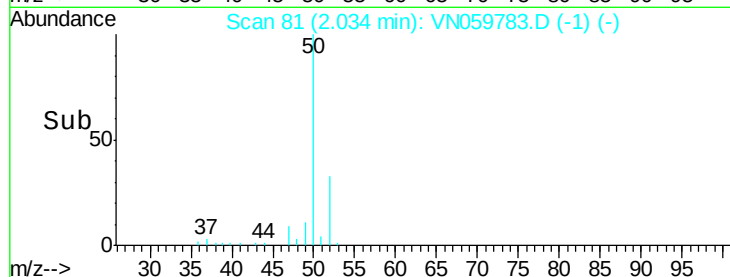


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 20.065 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059783.D

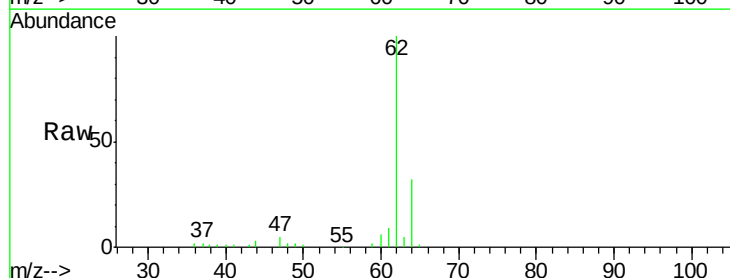
Acq: 20 Jan 2020 13:47

Tgt Ion: 62 Resp: 50072

Ion Ratio Lower Upper

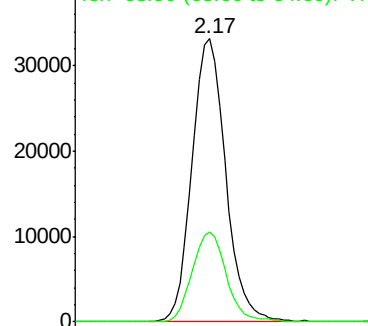
62 100

64 31.9 24.6 37.0

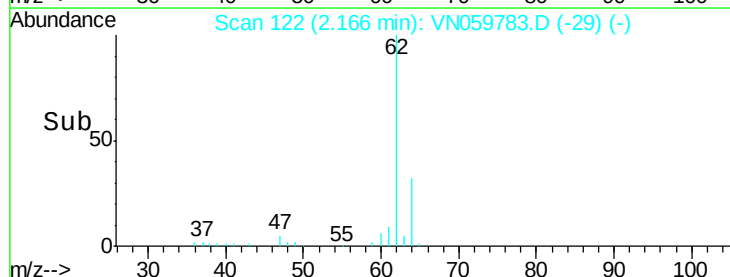


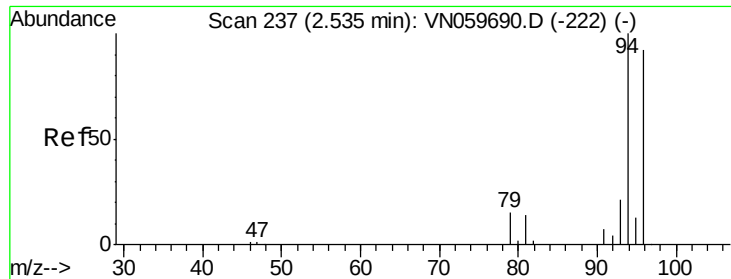
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 20.344 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Instrument :

MSVOA_N

ClientSampled :

VN0120MBSD01

Tot Ion: 94 Resp: 30983

Ion Ratio Lower Upper

94 100

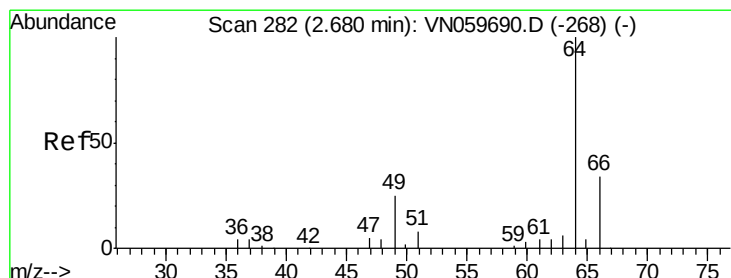
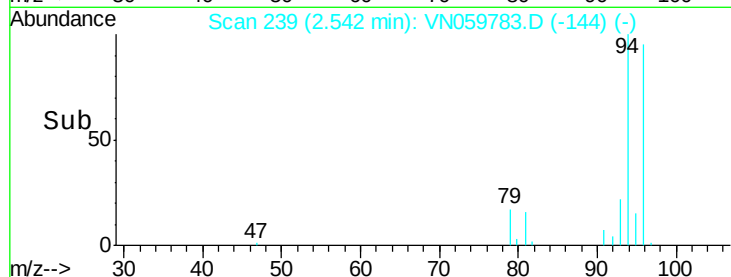
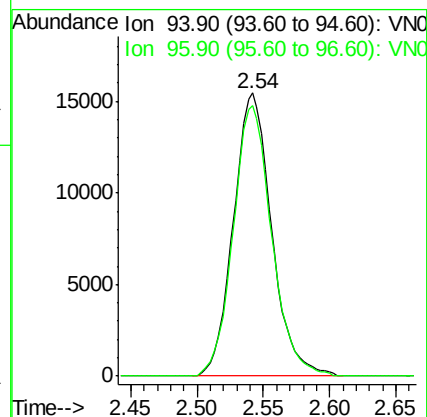
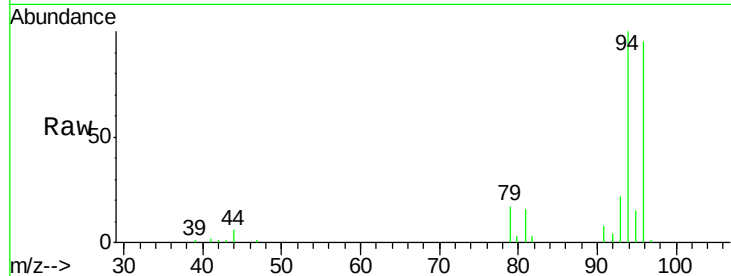
96 95.4 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 19.325 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059783.D

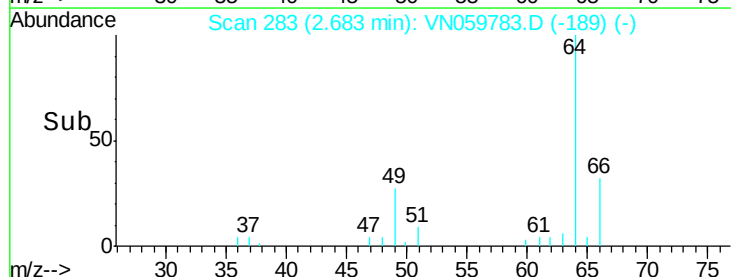
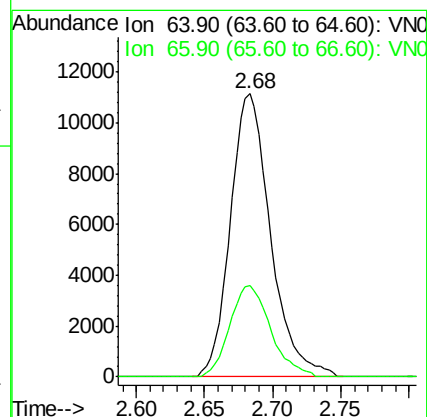
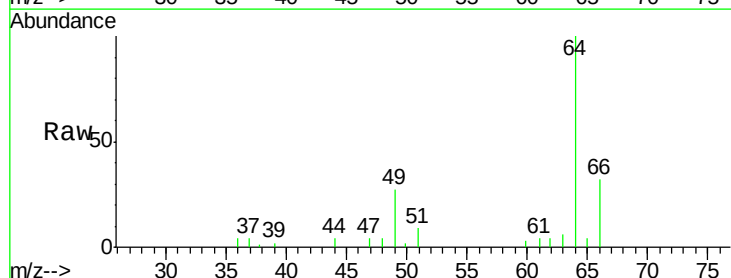
Acq: 20 Jan 2020 13:47

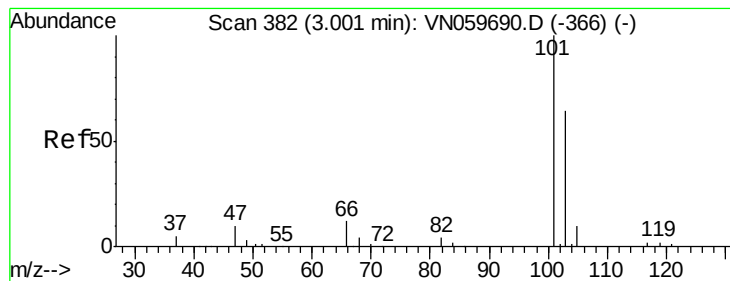
Tgt Ion: 64 Resp: 22816

Ion Ratio Lower Upper

64 100

66 32.3 25.1 37.7





#7

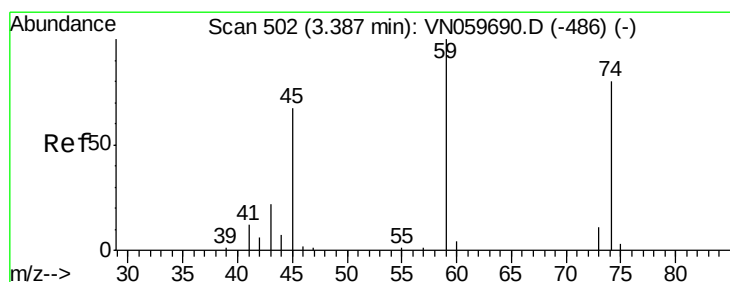
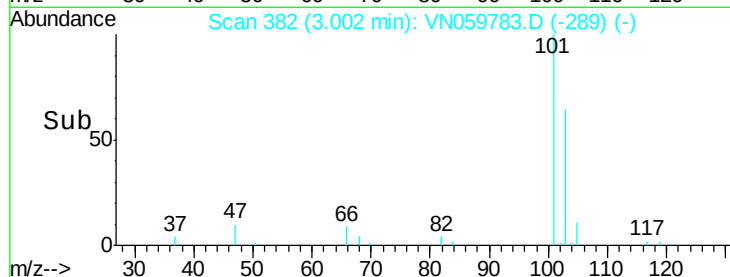
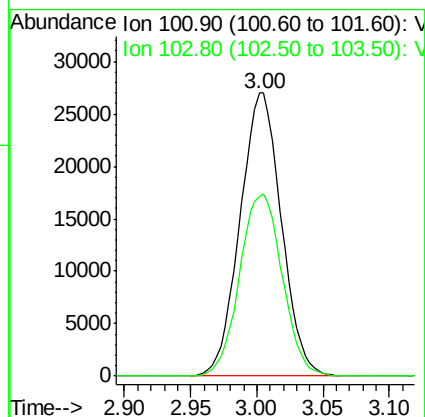
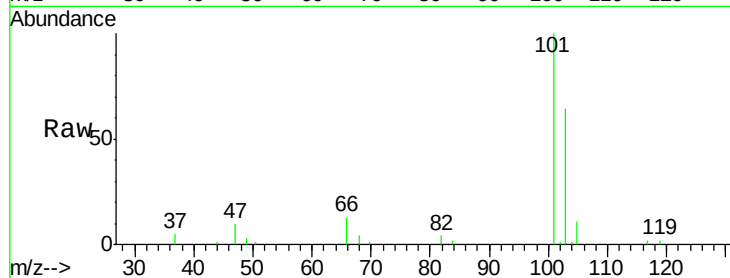
Trichlorofluoromethane
Concen: 19.560 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0120MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		58622		
103	63.7	51.0	76.6		

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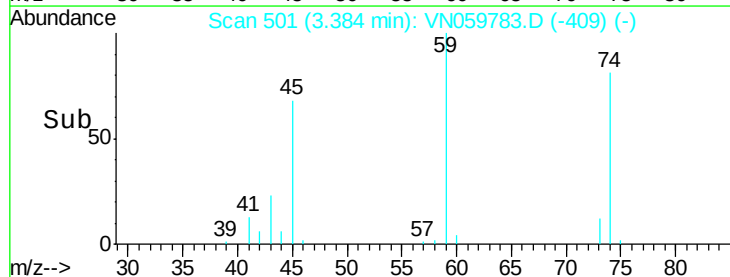
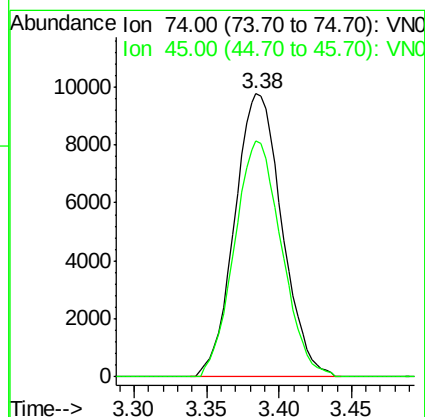
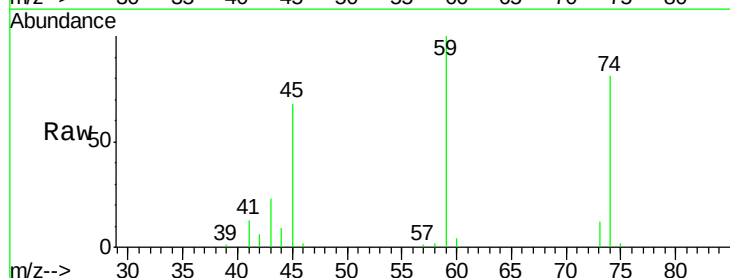
MMDadoda
1/21/2020 11:01:11 AM

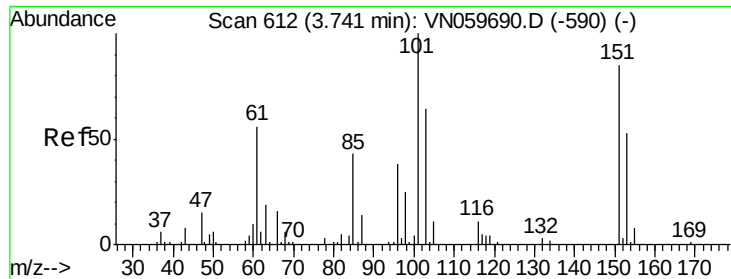


#8

Diethyl Ether
Concen: 21.042 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		22132		
45	83.1	51.9	155.8		





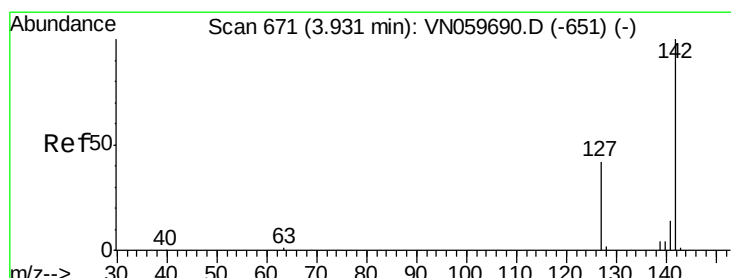
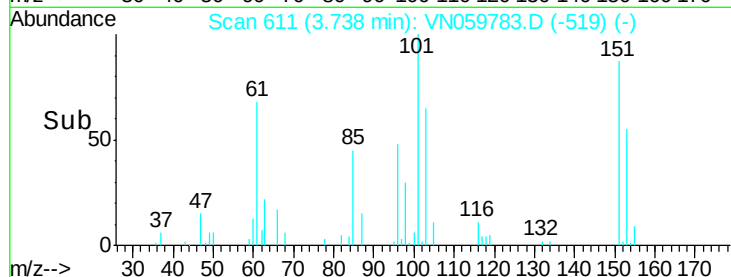
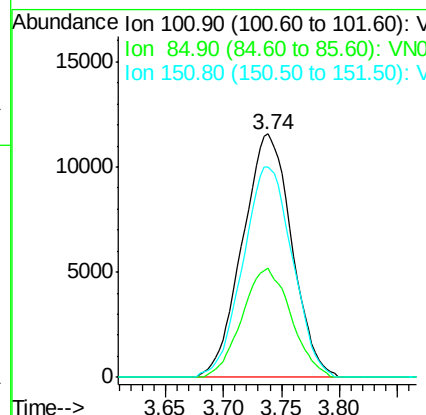
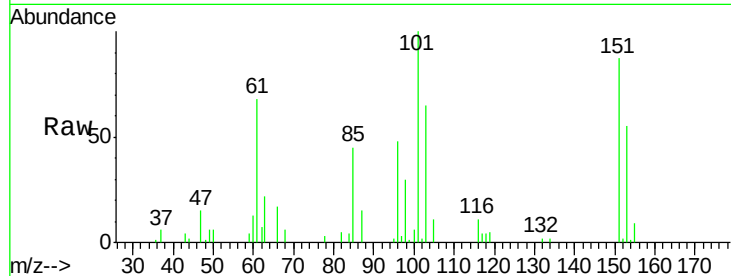
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.464 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0120MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.6	36.6	54.8
151	87.0	59.7	89.5

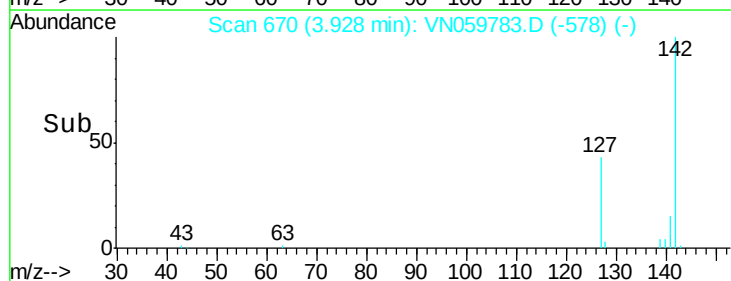
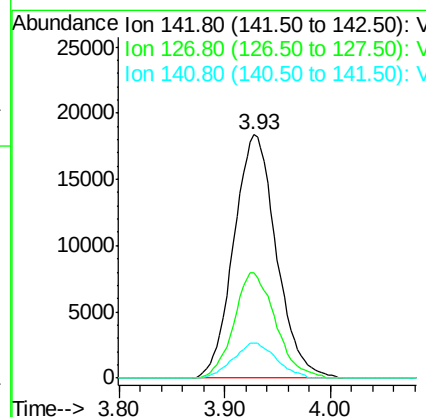
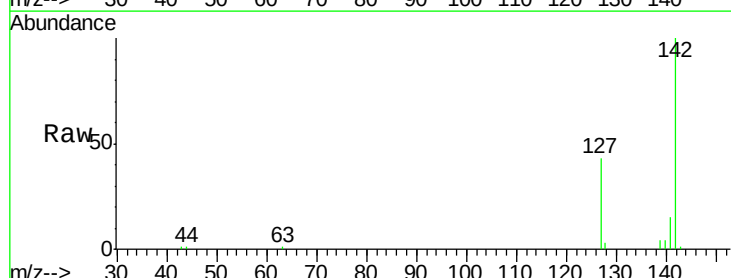
Manual Integrations
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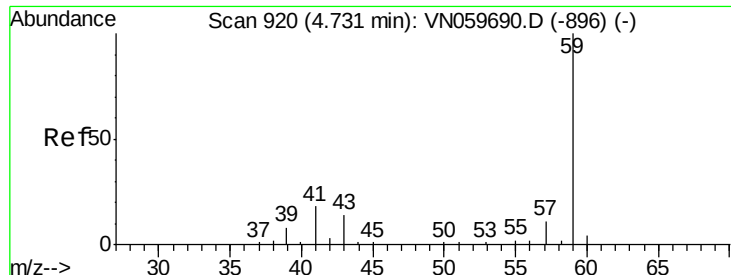
MMDadoda
1/21/2020 11:01:11 AM



#10
Methyl Iodide
Concen: 19.085 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.2	36.7	55.1
141	14.5	11.7	17.5





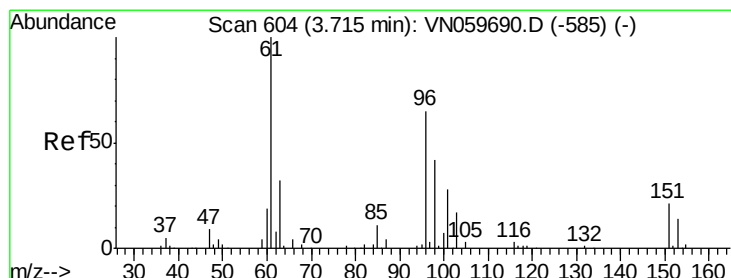
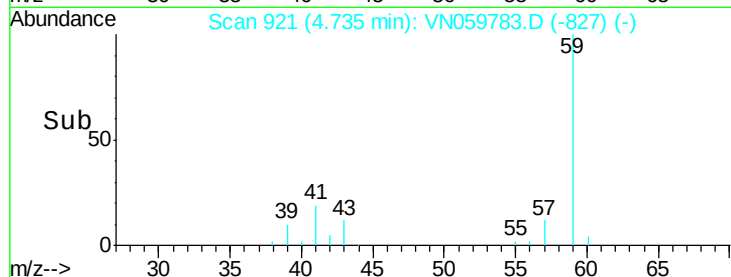
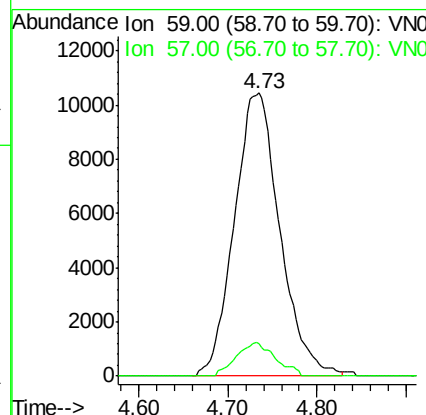
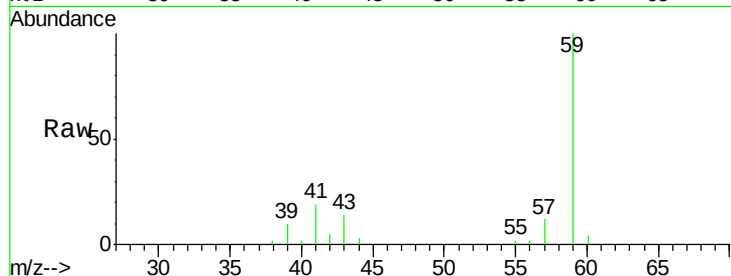
#11
Tert butyl alcohol
Concen: 104.074 ug/l
RT: 4.73 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0120MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.6	12.8

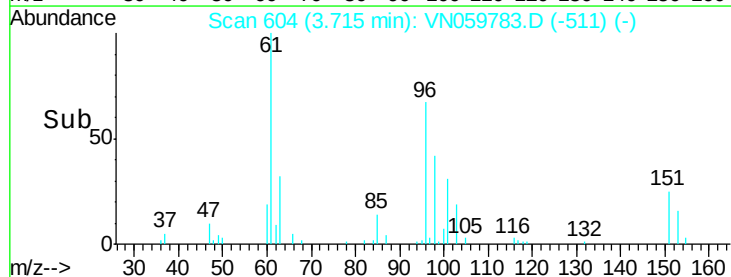
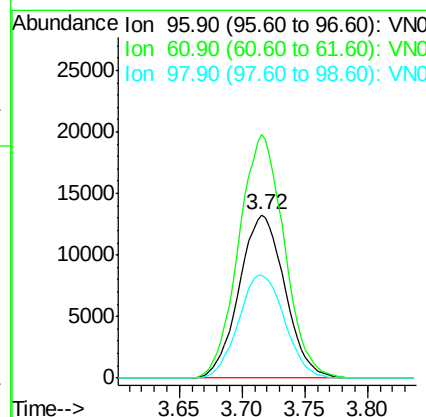
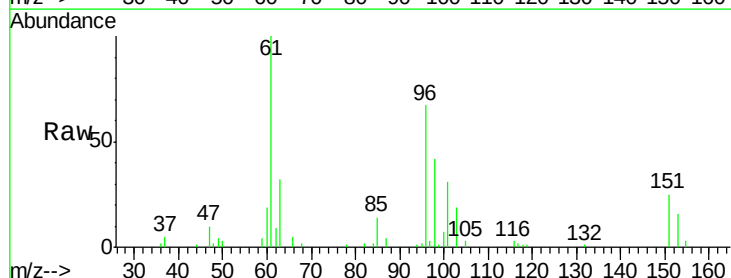
Manual Integrations
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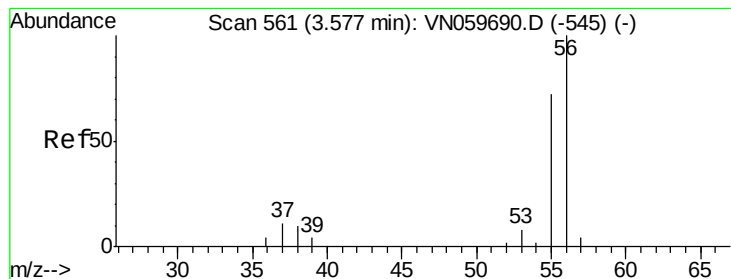
MMDadoda
1/21/2020 11:01:11 AM



#12
1,1-Dichloroethene
Concen: 19.259 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.4	137.5	206.3
98	63.2	50.2	75.4





#13

Acrolein

Concen: 59.666 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0120MBSD01

Tot Ion: 56 Resp: 15043

Ion Ratio Lower Upper

56 100

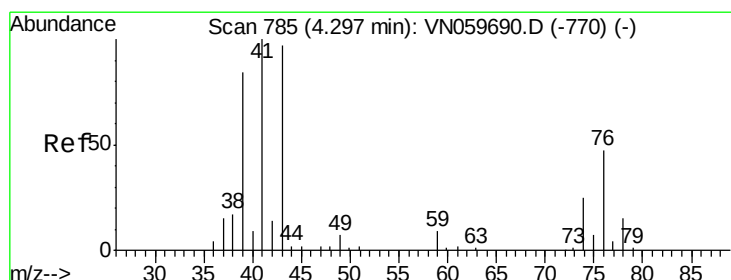
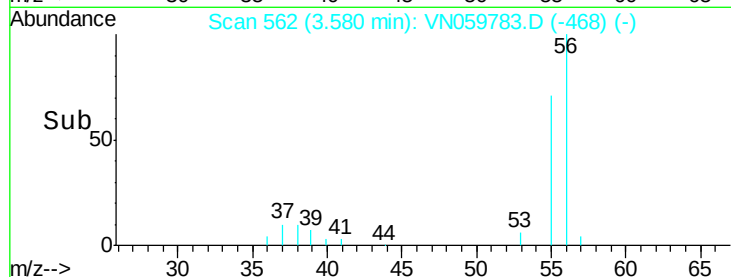
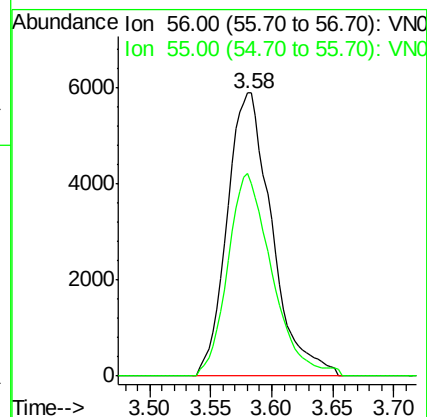
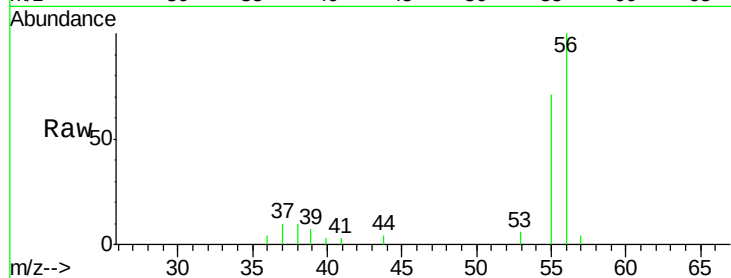
55 70.6 58.6 88.0

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#14

Allyl chloride

Concen: 21.417 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

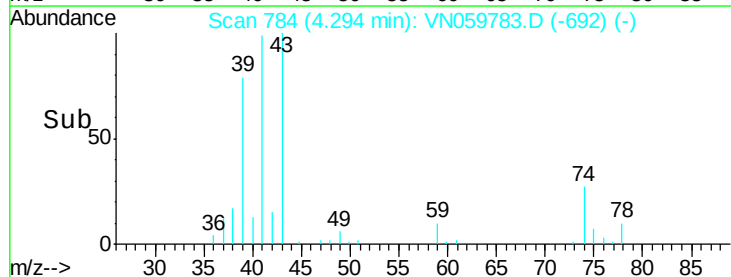
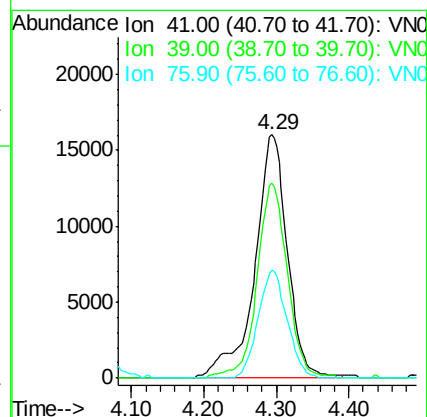
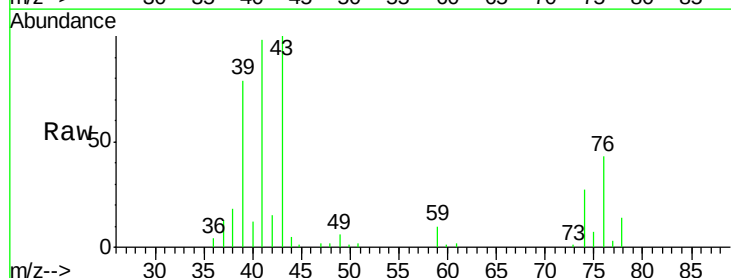
Tgt Ion: 41 Resp: 50315

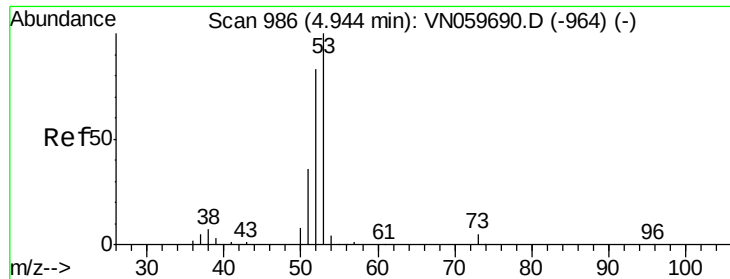
Ion Ratio Lower Upper

41 100

39 74.2 57.8 86.8

76 39.2 25.4 38.0#





#15

Acrylonitrile

Concen: 100.258 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Instrument :

MSVOA_N

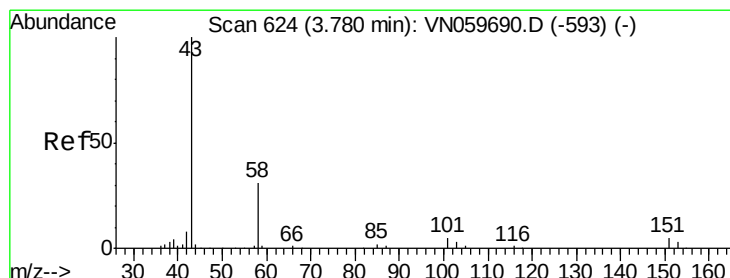
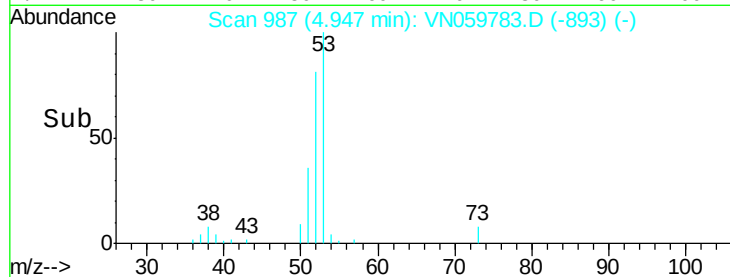
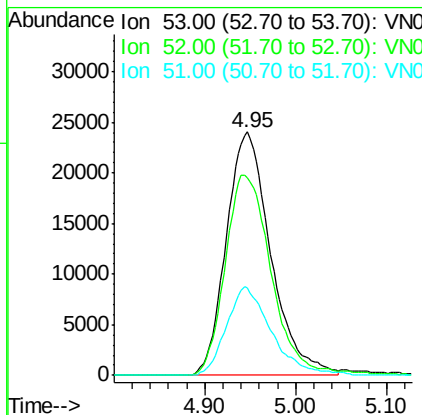
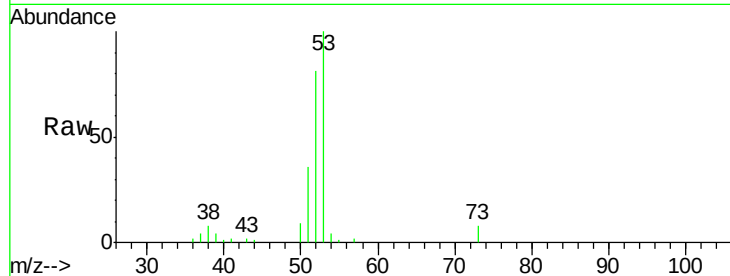
ClientSampleId :

VN0120MBSD01

Tot Ion:	53	Resp:	81453
Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.3	99.5
51	36.8	29.7	44.5

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#16

Acetone

Concen: 96.861 ug/l

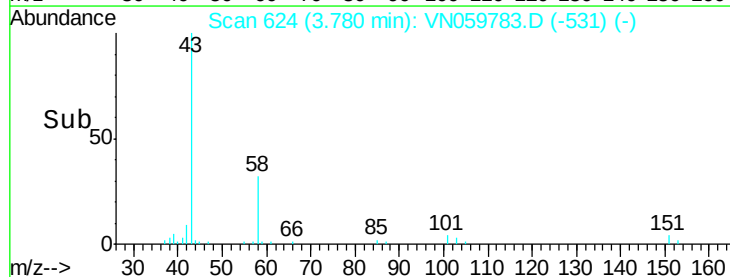
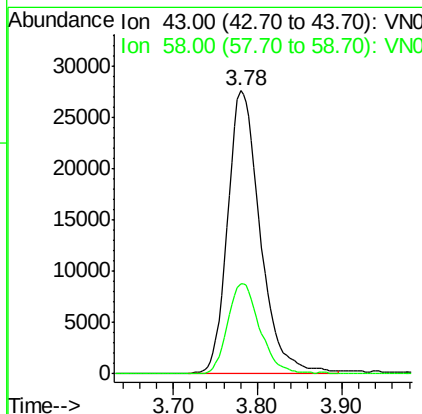
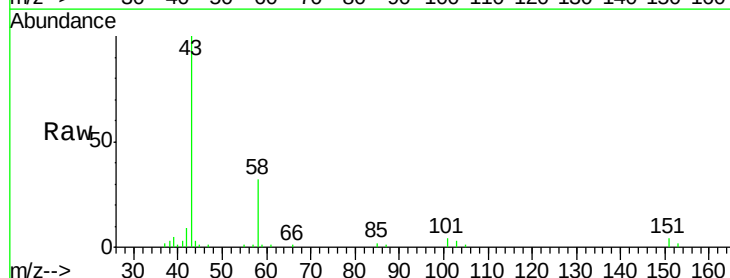
RT: 3.78 min Scan# 624

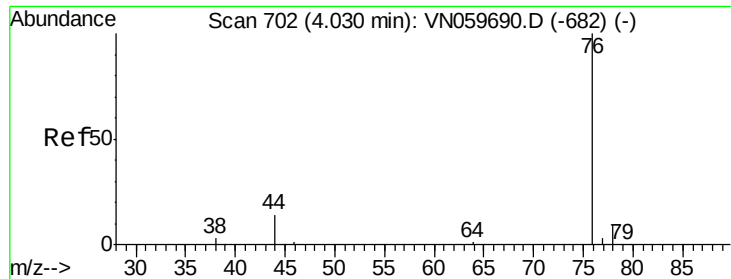
Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Tgt Ion:	43	Resp:	74319
Ion	Ratio	Lower	Upper
43	100		
58	31.7	23.6	35.4





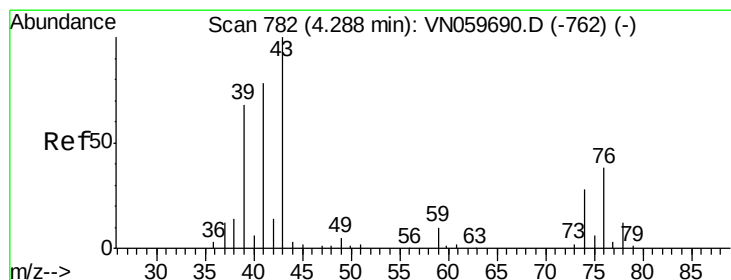
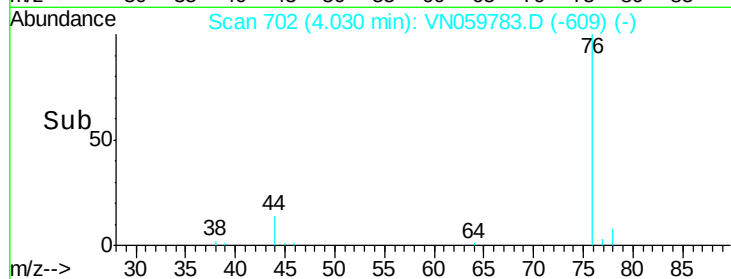
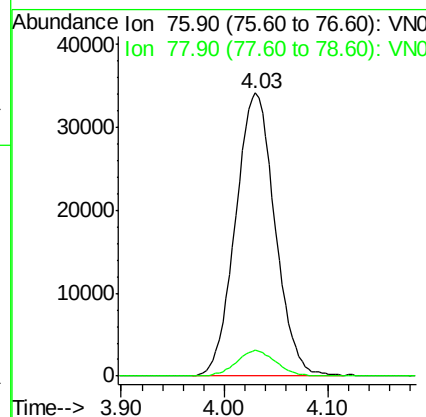
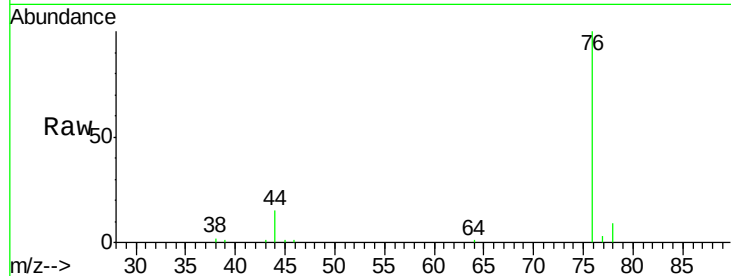
#17
Carbon Disulfide
Concen: 18.315 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0120MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

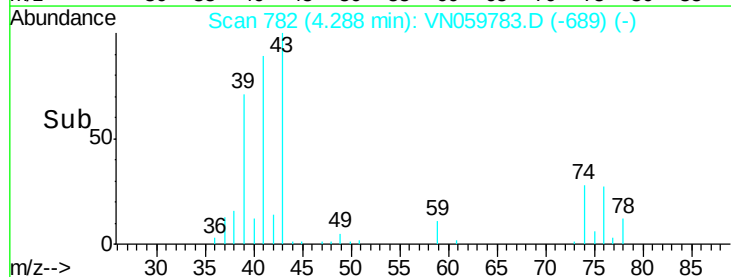
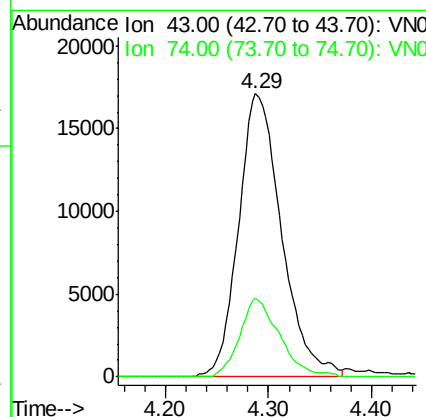
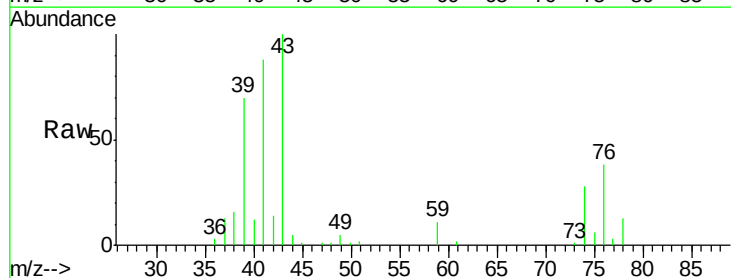
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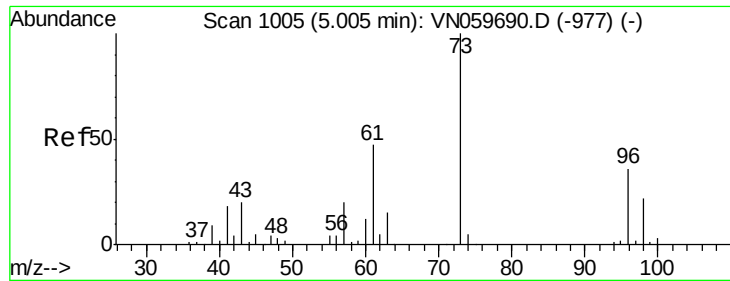
MMDadoda
1/21/2020 11:01:11 AM



#18
Methyl Acetate
Concen: 20.083 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	17.5	26.3





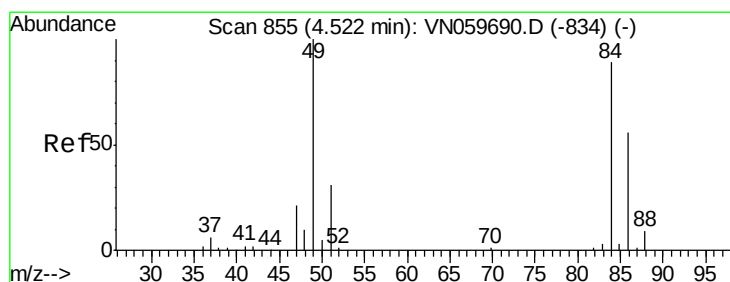
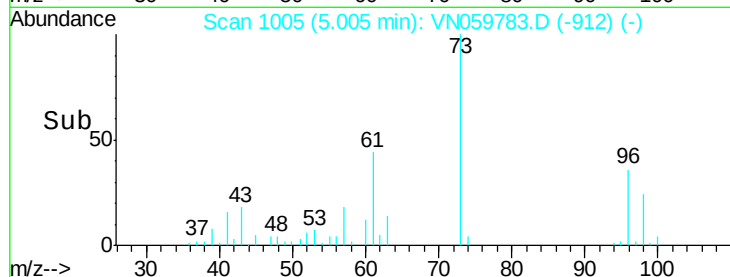
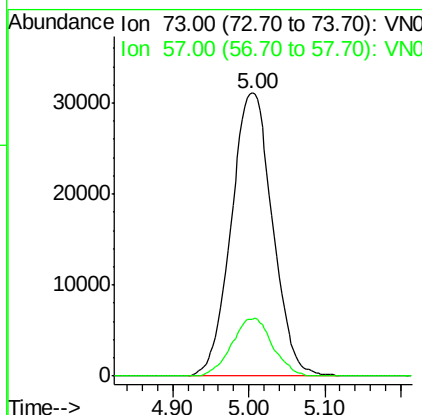
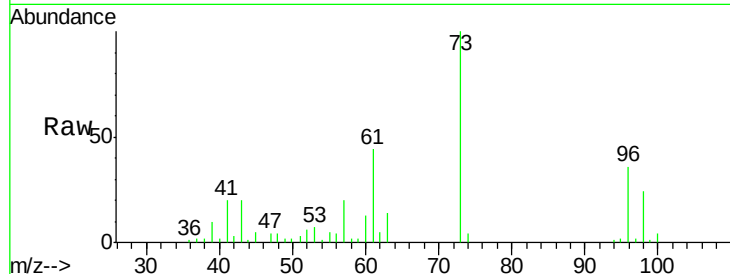
#19
Methyl tert-butyl Ether
Concen: 20.623 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampled :
VN0120MBSD01

Tot Ion: 73 Resp: 117195
Ion Ratio Lower Upper
73 100
57 20.2 18.6 27.8

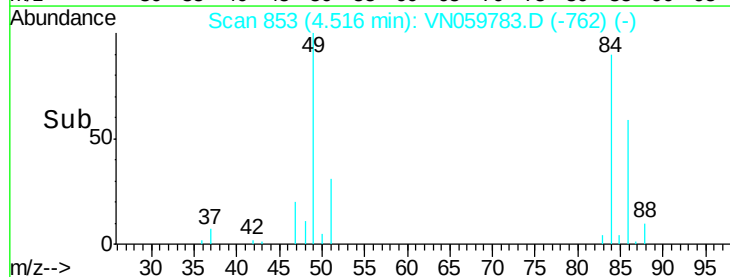
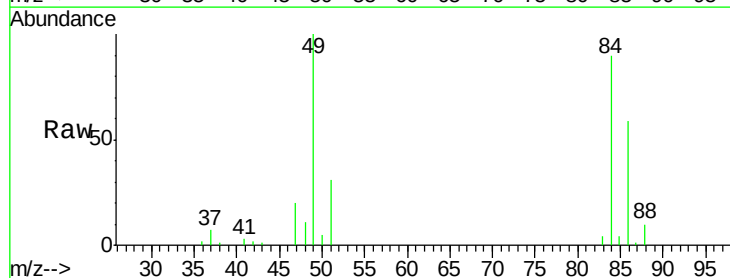
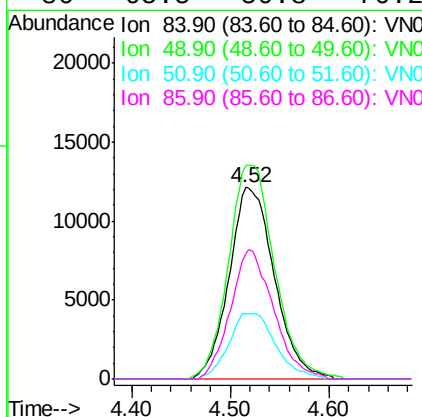
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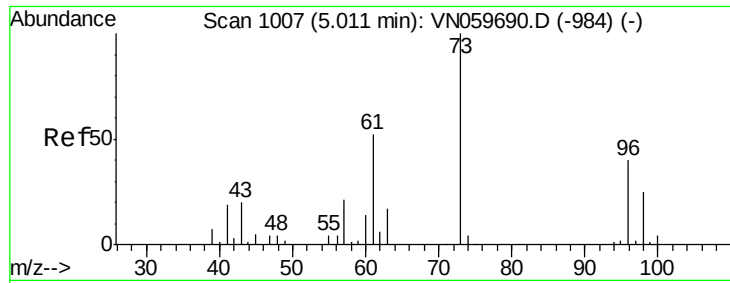
MMDadoda
1/21/2020 11:01:11 AM



#20
Methylene Chloride
Concen: 19.466 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion: 84 Resp: 38773
Ion Ratio Lower Upper
84 100
49 111.4 106.6 160.0
51 34.2 31.9 47.9
86 65.5 50.8 76.2





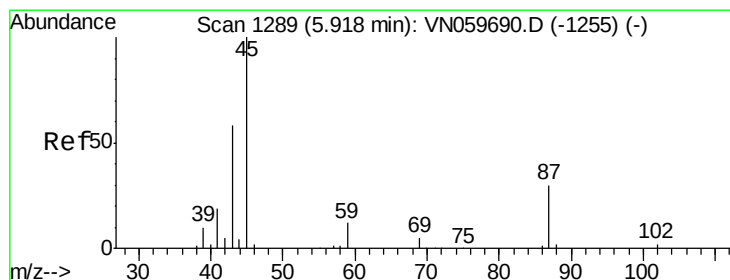
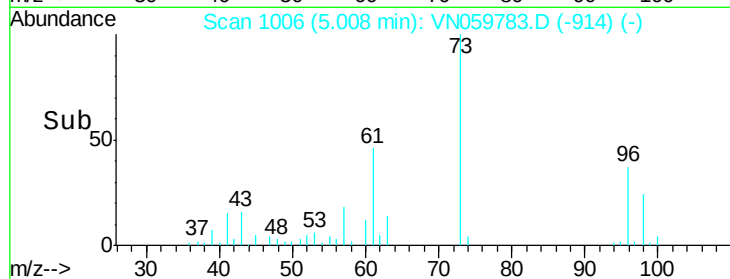
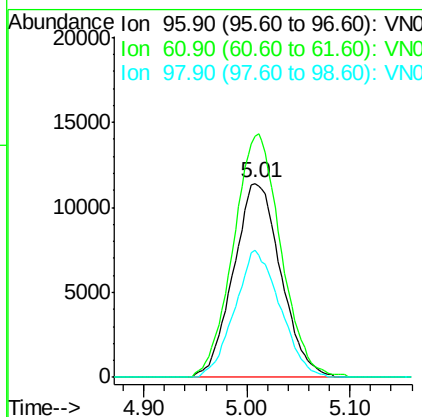
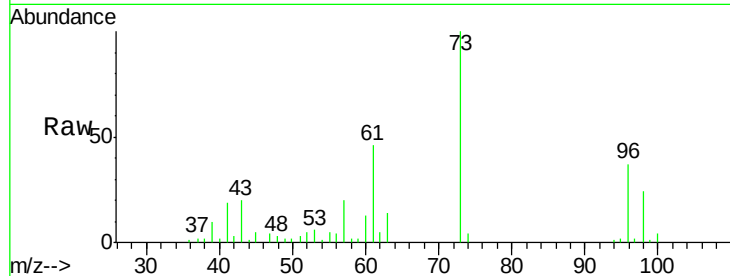
#21
trans-1,2-Dichloroethene
Concen: 19.705 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0120MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.4	120.4	180.6
98	65.3	50.6	75.8

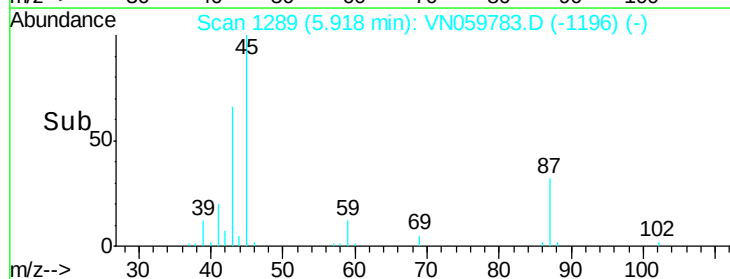
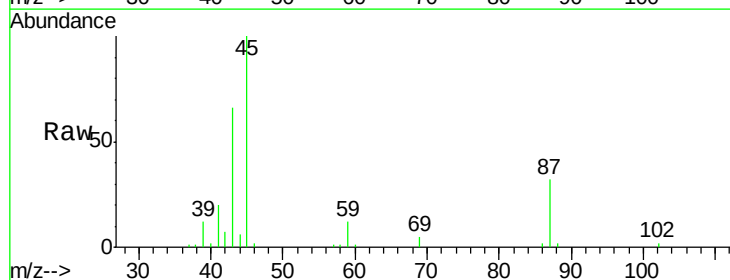
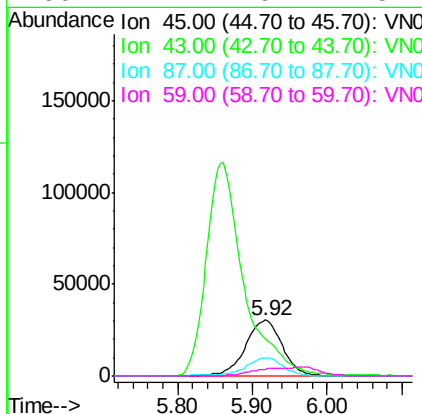
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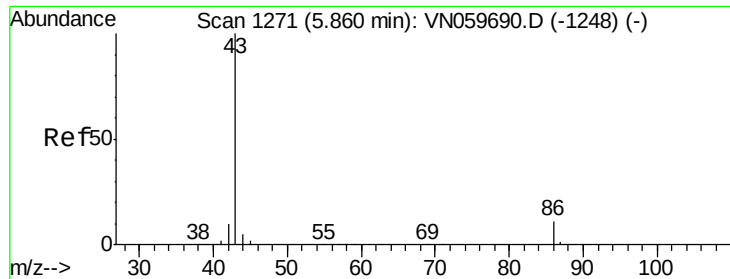
MMDadoda
1/21/2020 11:01:11 AM



#22
Diisopropyl ether
Concen: 19.585 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.6	50.8	76.2
87	32.2	21.0	31.6
59	12.4	9.1	13.7





#23

Vinyl Acetate

Concen: 98.643 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Instrument :

MSVOA_N

ClientSampled :

VN0120MBSD01

Tot Ion: 43 Resp: 406612

Ion Ratio Lower Upper

43 100

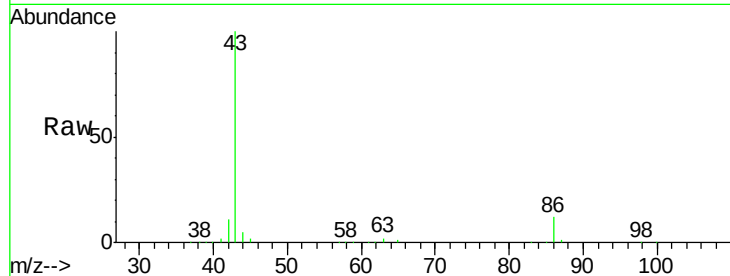
86 11.8 7.6 11.4#

Manual Integrations

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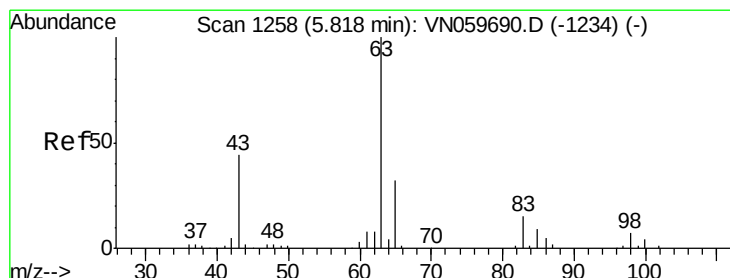
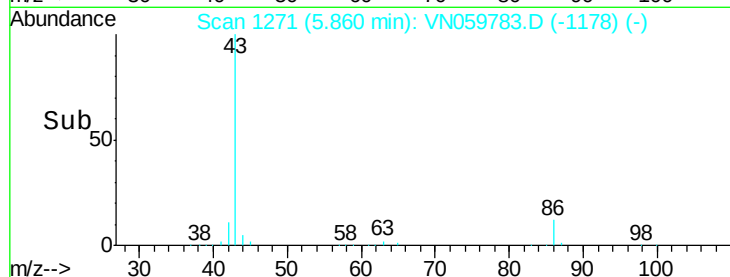
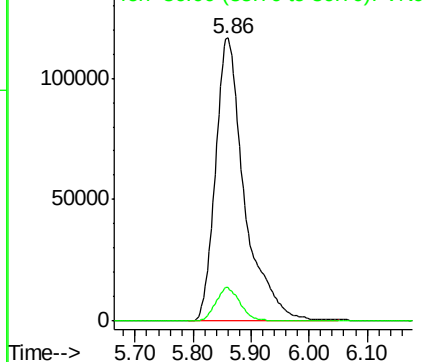
MMDadoda

1/21/2020 11:01:11 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.329 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

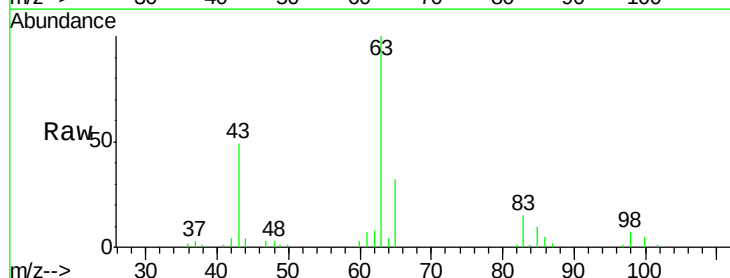
Tgt Ion: 63 Resp: 62880

Ion Ratio Lower Upper

63 100

98 6.7 2.9 8.7

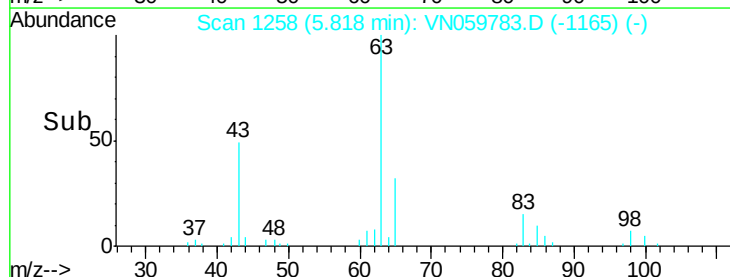
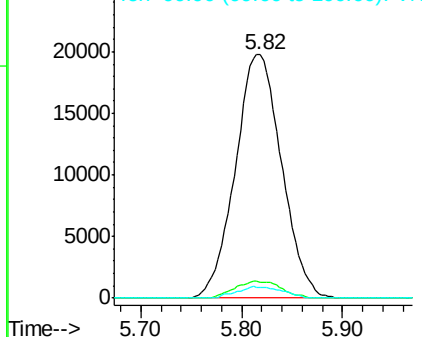
100 4.6 2.0 6.0

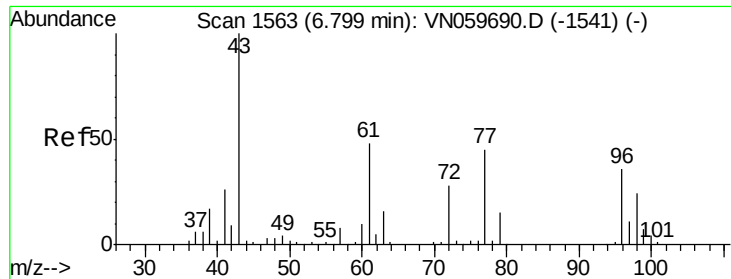


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





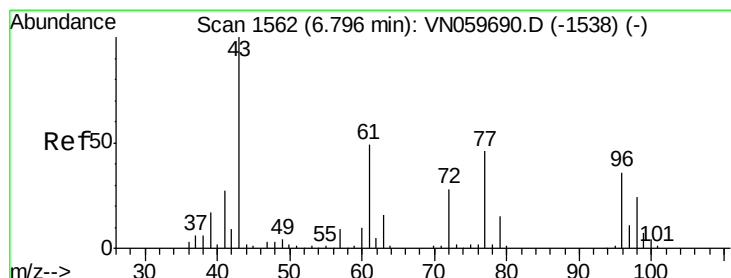
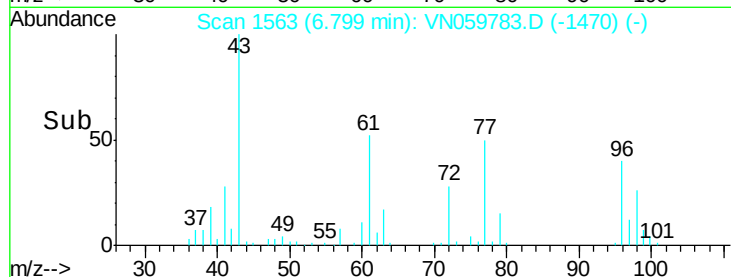
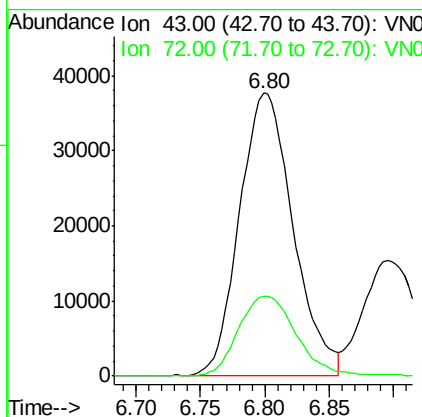
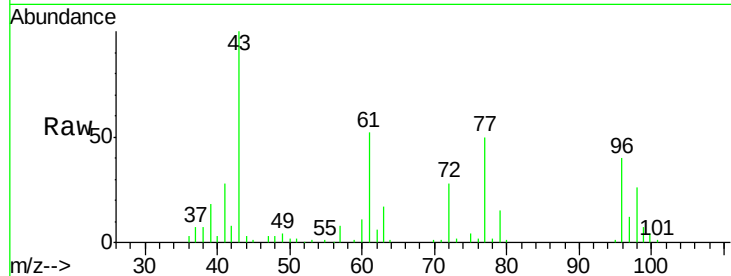
#25
2-Butanone
Concen: 91.380 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0120MBSD01

Tot Ion: 43 Resp: 109481
Ion Ratio Lower Upper
43 100
72 28.4 19.9 29.9

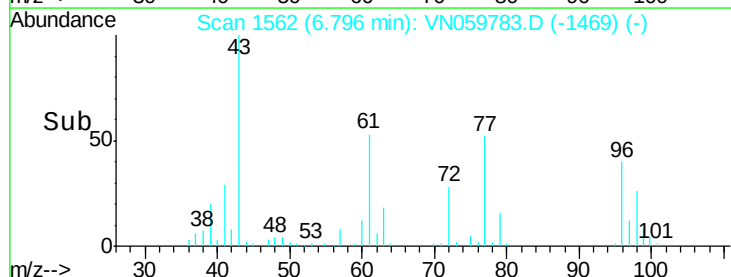
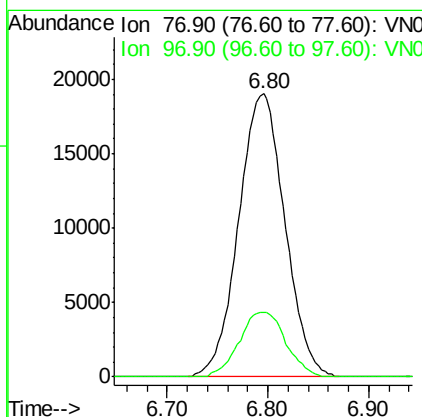
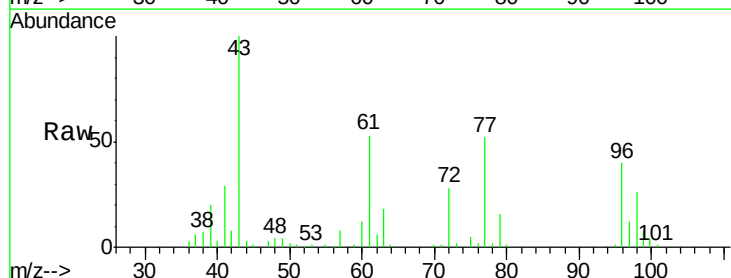
Manual Integrations
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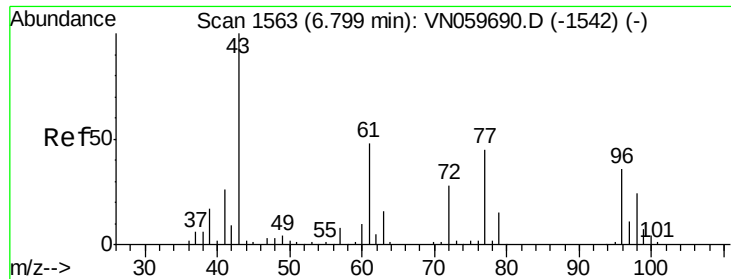
MMDadoda
1/21/2020 11:01:11 AM



#26
2,2-Dichloropropane
Concen: 19.350 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion: 77 Resp: 60515
Ion Ratio Lower Upper
77 100
97 22.9 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.089 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Instrument :

MSVOA_N

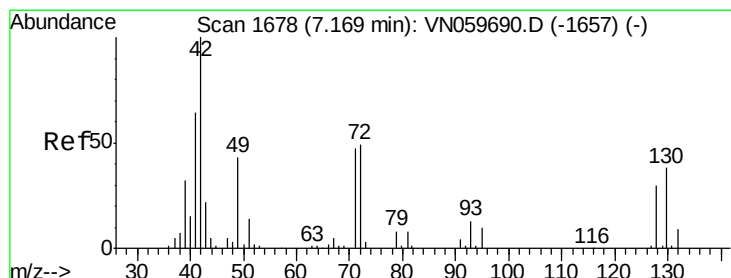
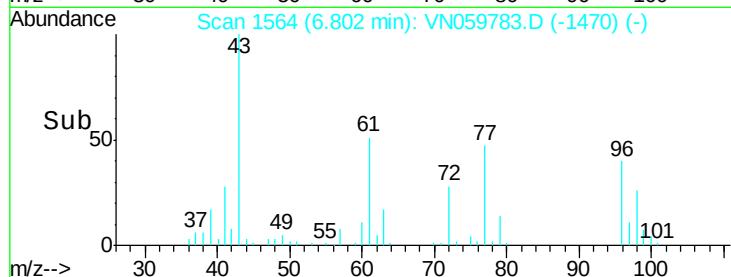
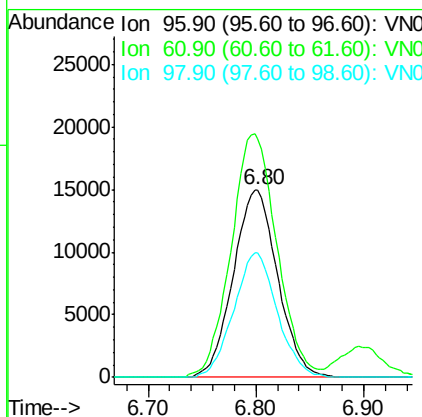
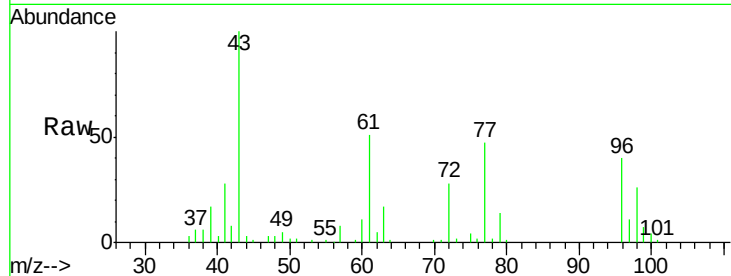
ClientSampleId :

VN0120MBSD01

Tot Ion:	96	Resp:	42810
Ion	Ratio	Lower	Upper
96	100		
61	134.1	0.0	317.6
98	65.2	0.0	127.0

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1/21/2020 11:01:11 AM



#28

Bromochloromethane

Concen: 18.495 ug/l

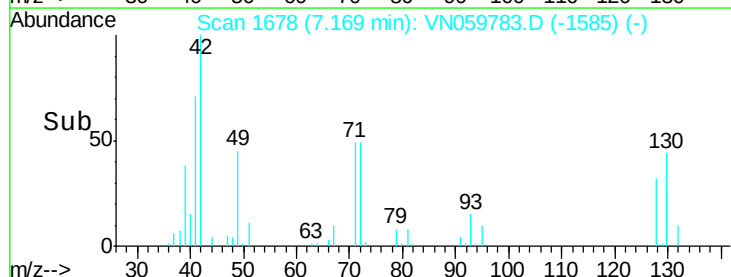
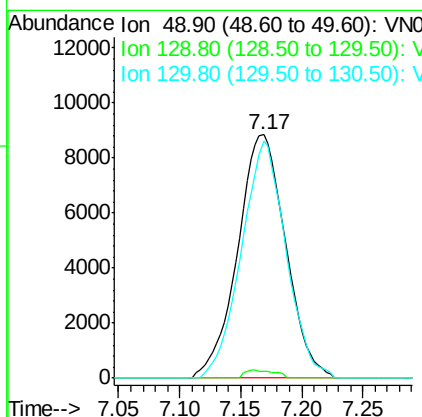
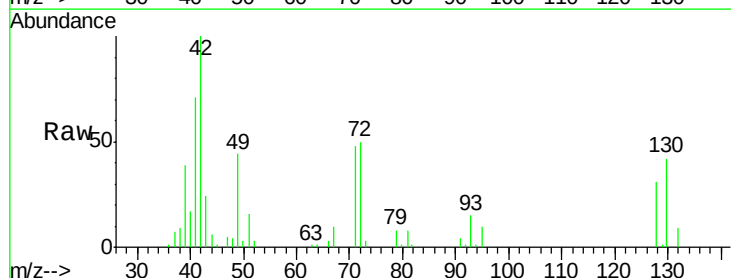
RT: 7.17 min Scan# 1678

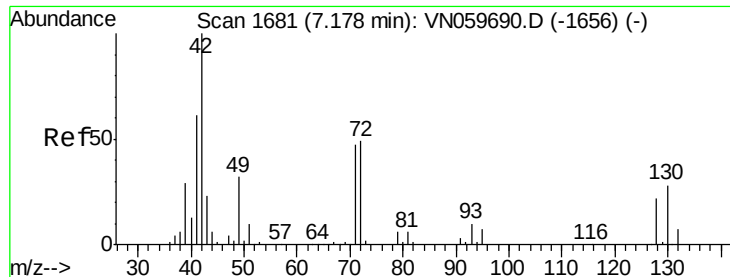
Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Tgt Ion:	49	Resp:	24047
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.4
130	90.5	54.7	82.1#





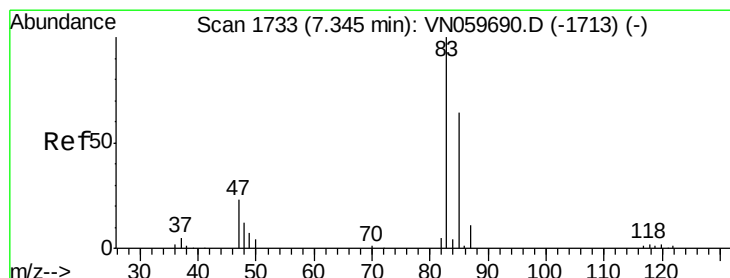
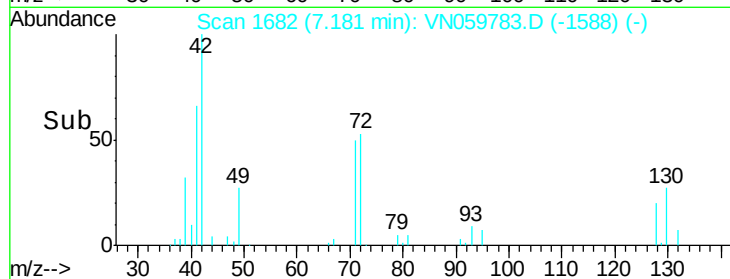
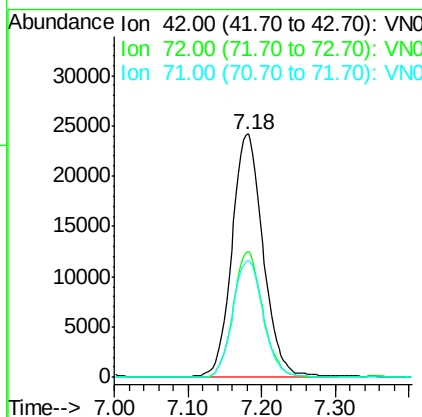
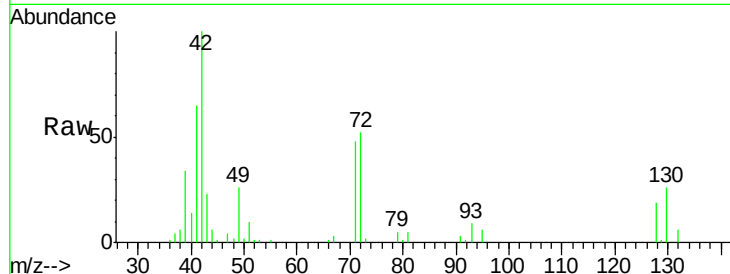
#29
Tetrahydrofuran
Concen: 96.582 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0120MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.7	33.1	49.7
71	46.4	31.4	47.0

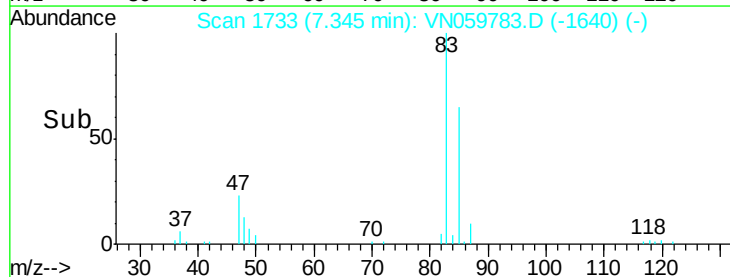
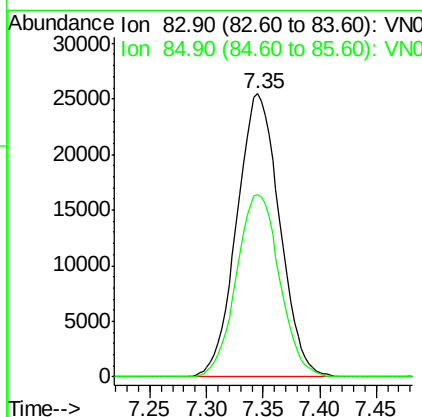
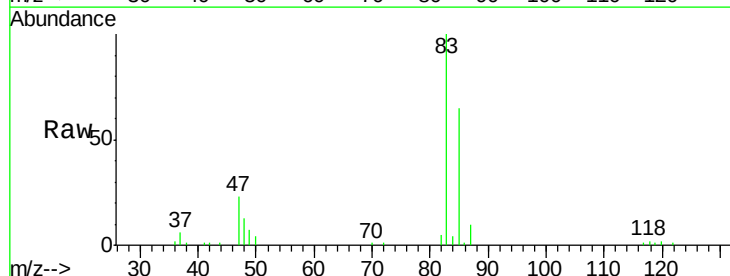
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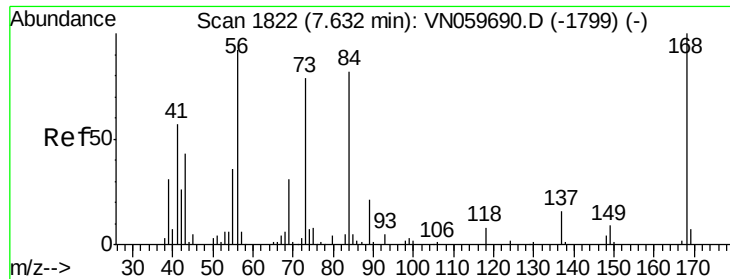
MMDadoda
1/21/2020 11:01:11 AM



#30
Chloroform
Concen: 19.904 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.4	78.6





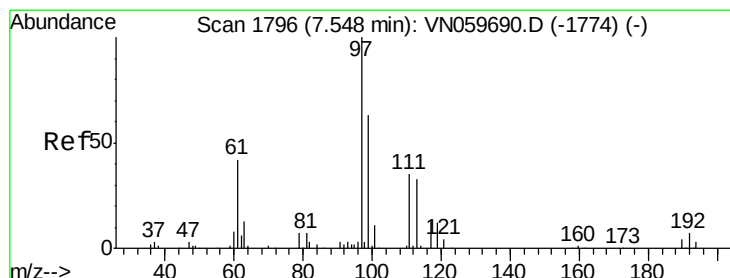
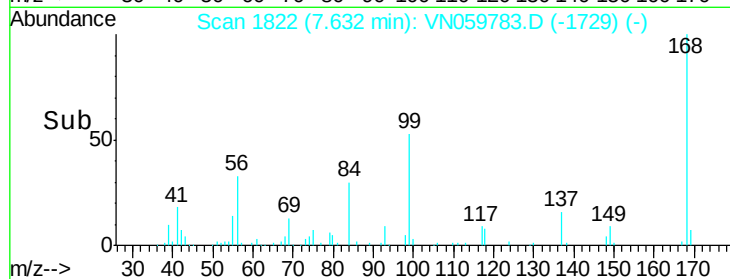
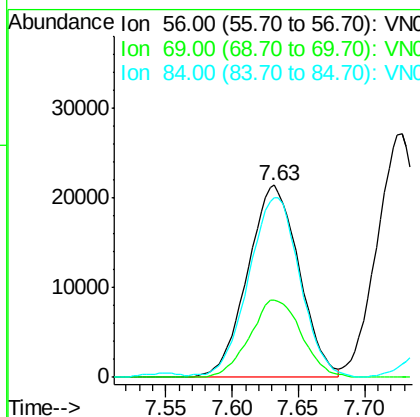
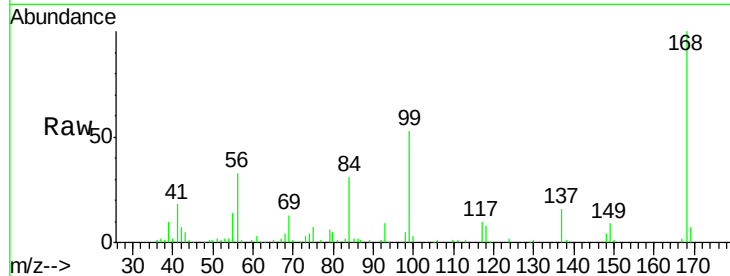
#31
Cyclohexane
Concen: 18.454 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampled :
VN0120MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.9	26.5	39.7#
84	92.5	65.3	97.9

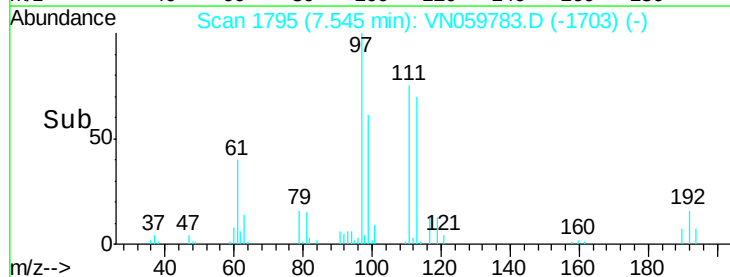
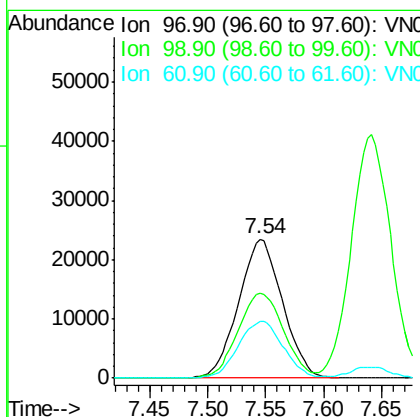
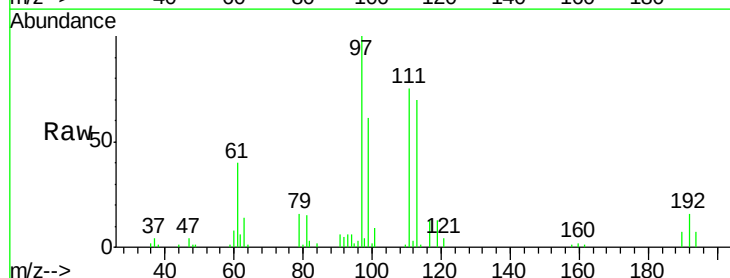
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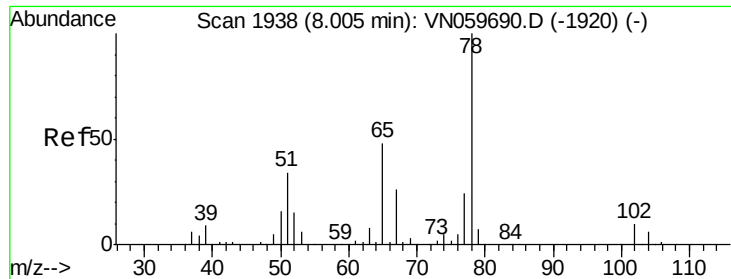
MMDadoda
1/21/2020 11:01:11 AM



#32
1,1,1-Trichloroethane
Concen: 19.819 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	41.8	38.5	57.7





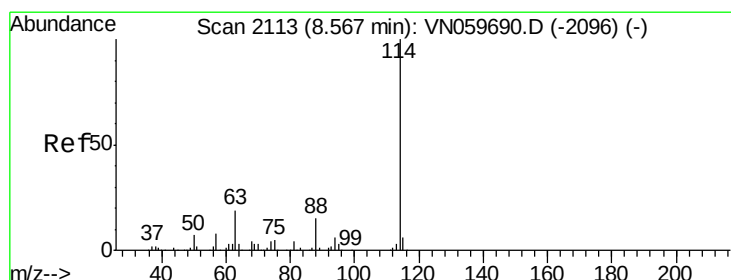
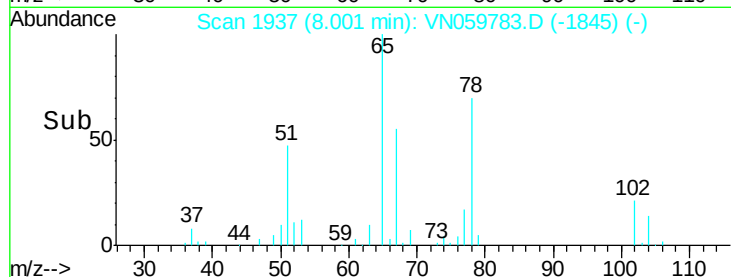
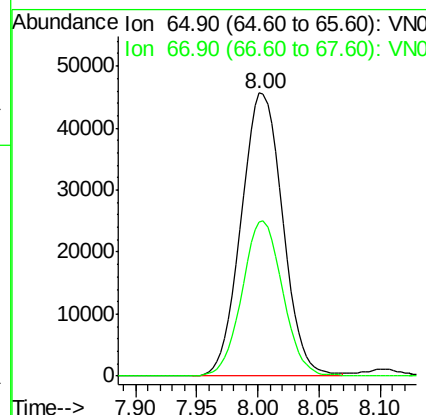
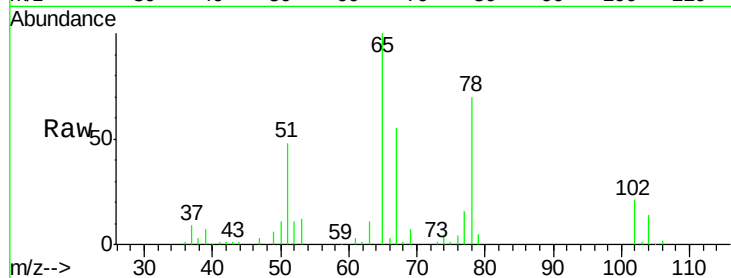
#33
 1,2-Dichloroethane-d4
 Concen: 50.889 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059783.D
 Acq: 20 Jan 2020 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0120MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	107663		
67	53.7	0.0	103.0	

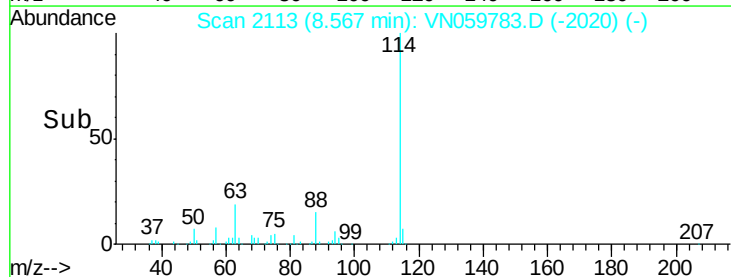
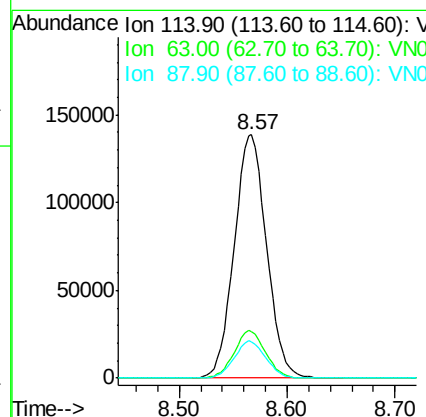
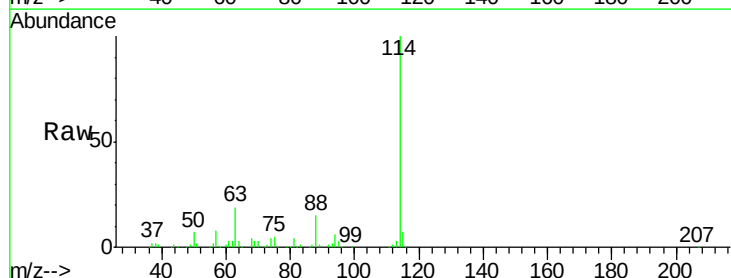
Manual Integrations
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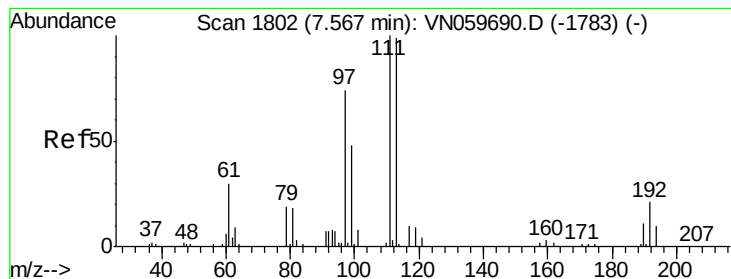
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 1/21/2020 11:01:11 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059783.D
 Acq: 20 Jan 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	289548		
63	19.3	0.0	43.6	
88	15.0	0.0	31.4	





#35

Dibromofluoromethane

Concen: 52.851 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Instrument :

MSVOA_N

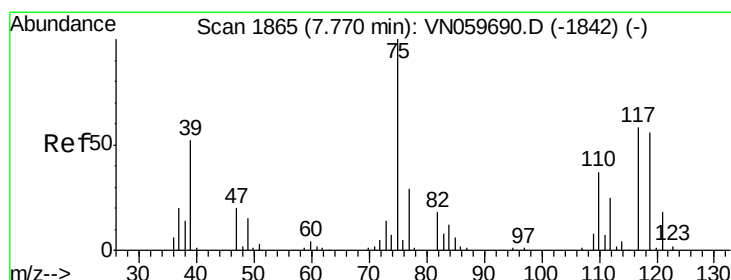
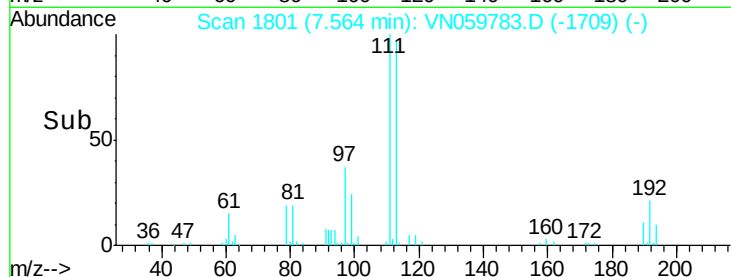
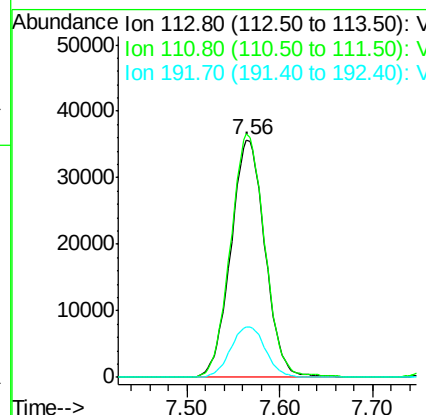
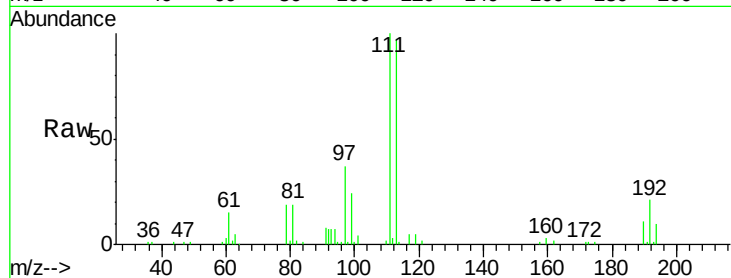
ClientSampleId :

VN0120MBSD01

Tot Ion:	113	Resp:	91258
Ion Ratio	Lower	Upper	
113	100		
111	102.5	83.5	125.3
192	21.5	15.4	23.2

Manual Integrations
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1/21/2020 11:01:11 AM



#36

1,1-Dichloropropene

Concen: 19.453 ug/l

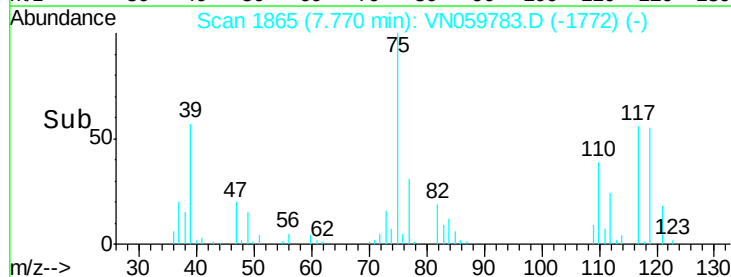
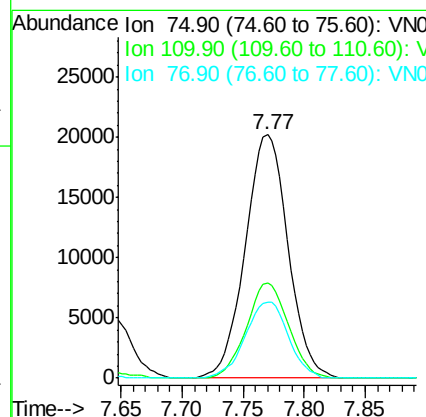
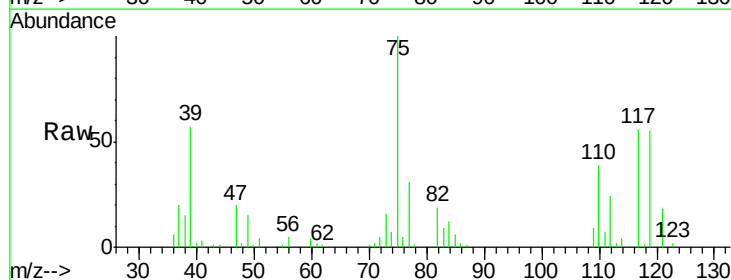
RT: 7.77 min Scan# 1865

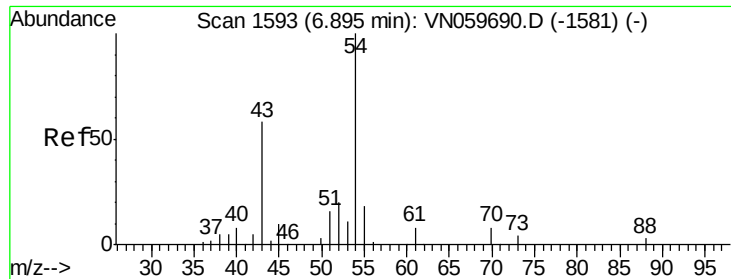
Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Tgt Ion:	75	Resp:	49051
Ion Ratio	Lower	Upper	
75	100		
110	38.2	16.6	49.7
77	31.4	25.1	37.7





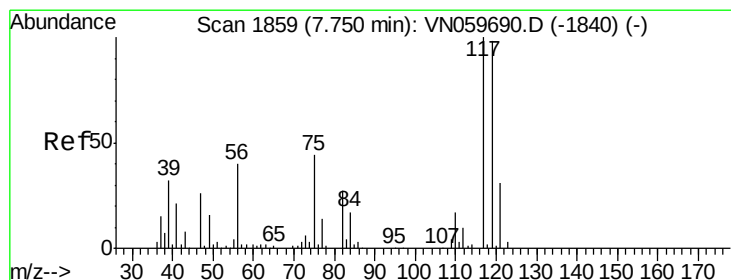
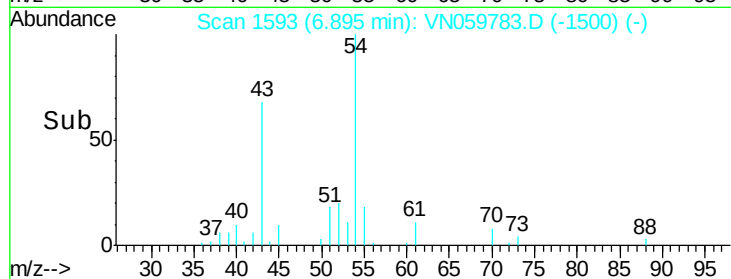
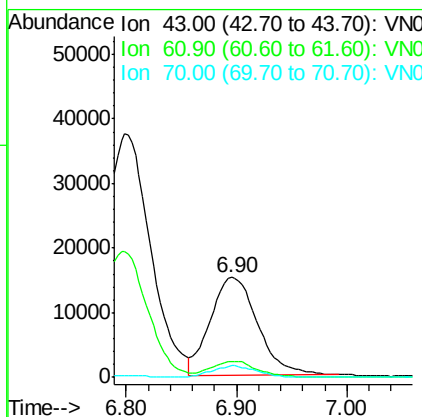
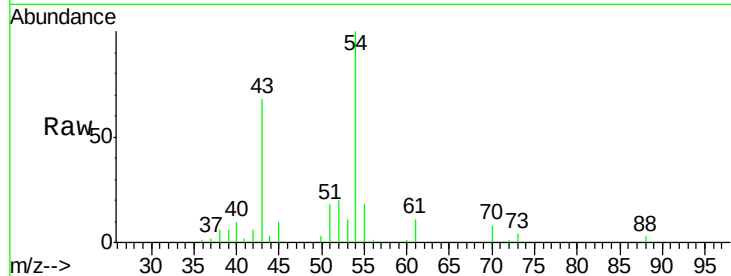
#37
Ethyl Acetate
Concen: 19.292 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampled :
VN0120MBSD01

Tot Ion	43	61	70
Resp	45624	15.8	10.9
Lower		10.9	7.7
Upper		16.3	11.5

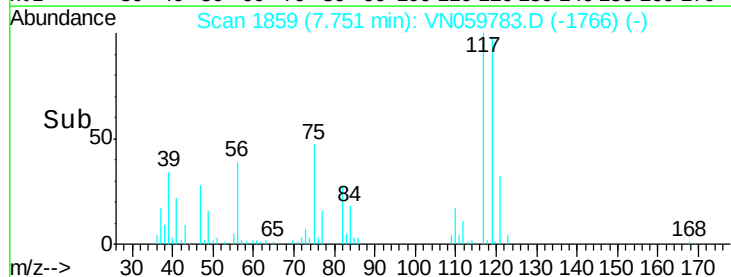
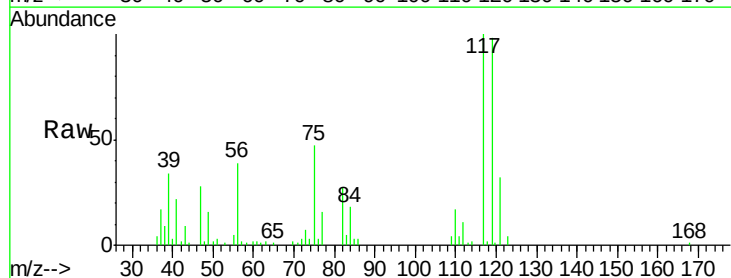
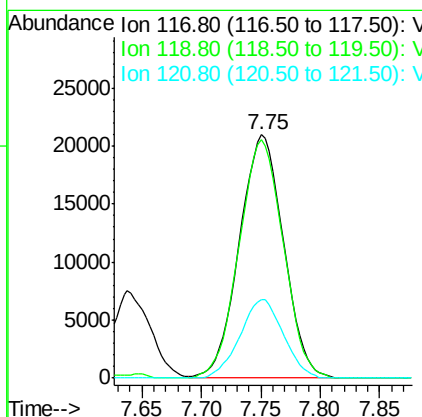
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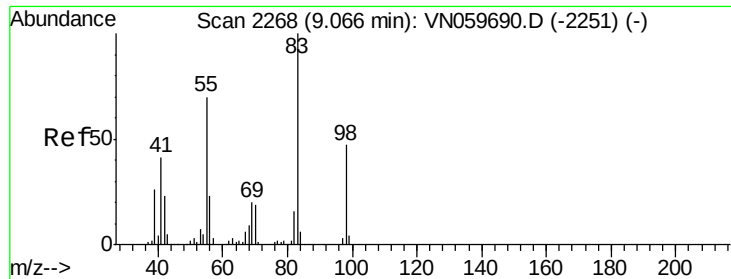
MMDadoda
1/21/2020 11:01:11 AM



#38
Carbon Tetrachloride
Concen: 19.674 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion	117	119	121
Resp	53962	97.7	32.2
Lower		76.5	25.1
Upper		114.7	37.7





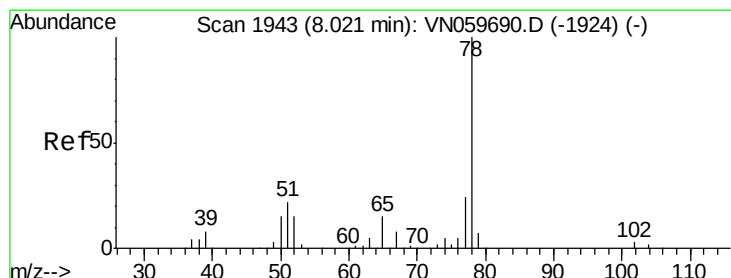
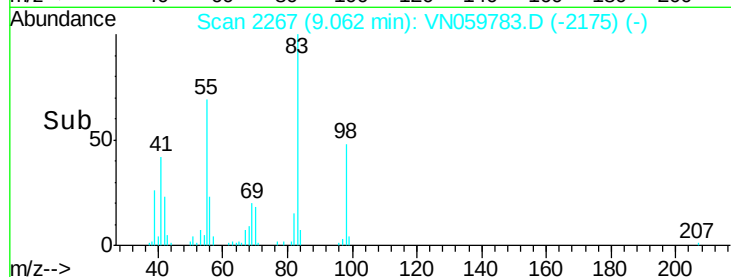
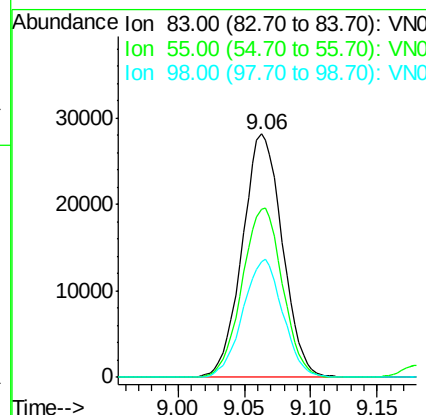
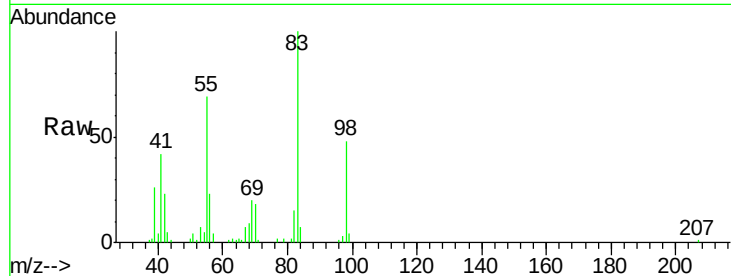
#39
Methylvlcyclohexane
Concen: 19.030 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0120MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.2	64.2	96.2
98	47.7	35.9	53.9

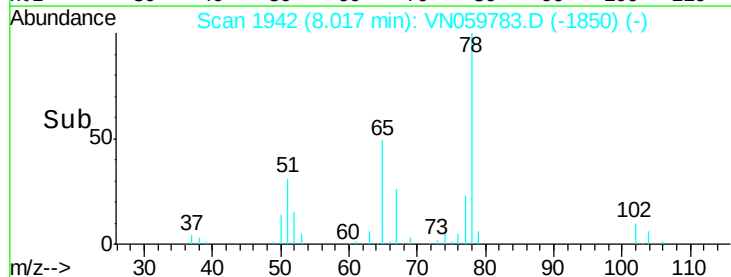
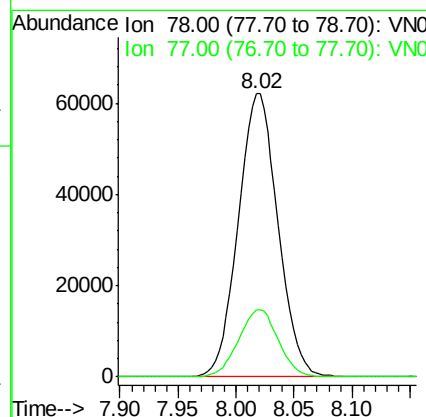
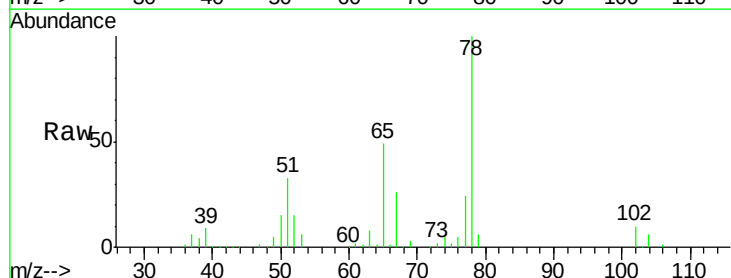
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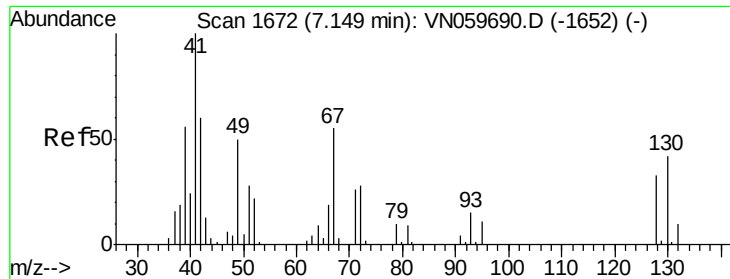
MMDadoda
1/21/2020 11:01:11 AM



#40
Benzene
Concen: 19.584 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





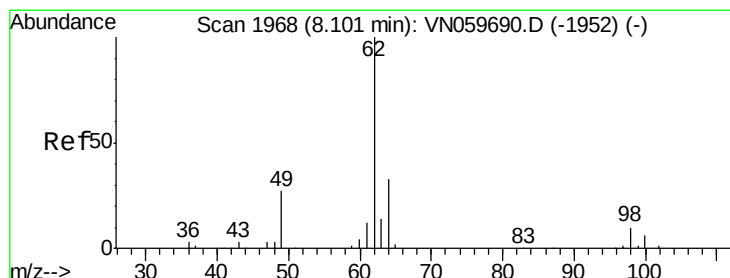
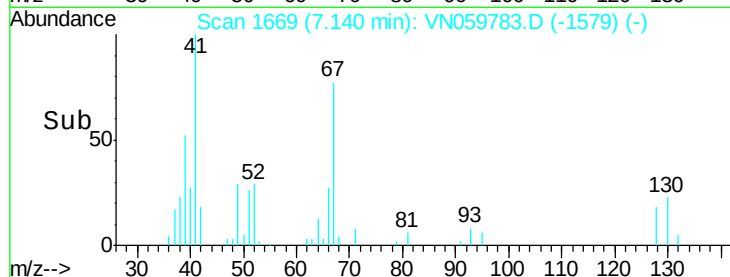
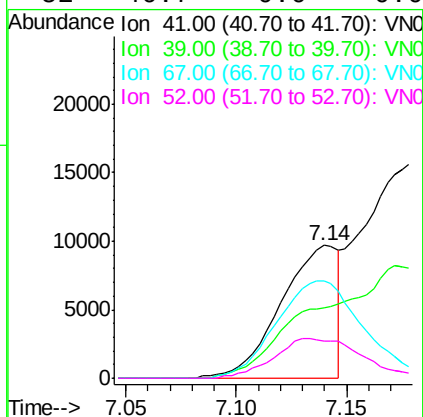
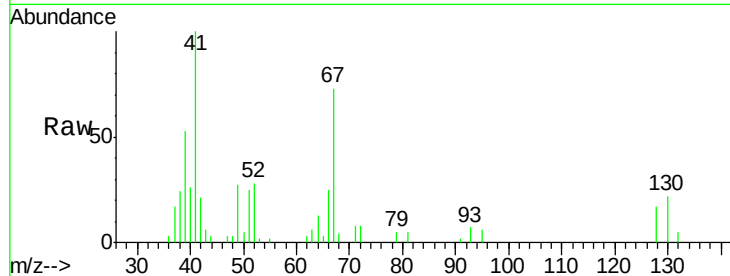
#41
Methacrylonitrile
Concen: 14.972 ug/l
RT: 7.14 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0120MBSD01

Tot Ion	41	Resp	17440
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	112.4	0.0	0.0#
52	46.7	0.0	0.0#

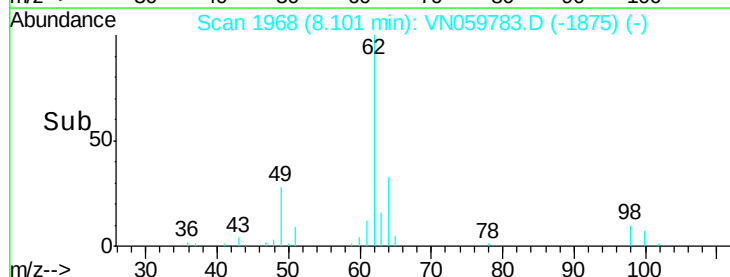
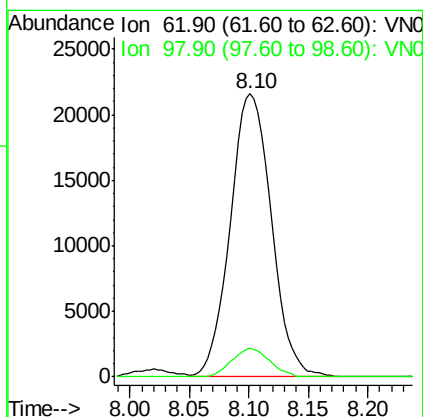
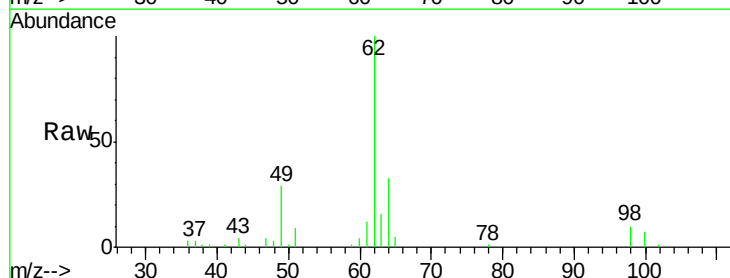
Manual Integrations
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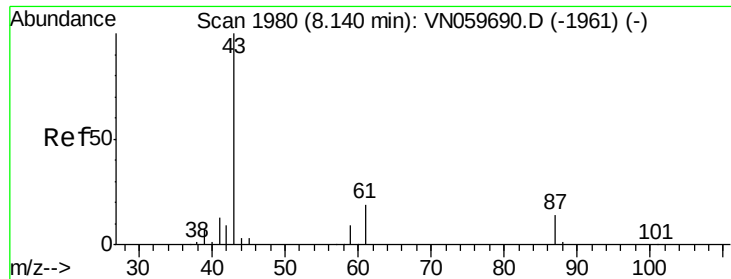
MMDadoda
1/21/2020 11:01:11 AM



#42
1,2-Dichloroethane
Concen: 20.328 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion	62	Resp	51831
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	15.8





#43

Isopropyl Acetate

Concen: 19.231 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Instrument :

MSVOA_N

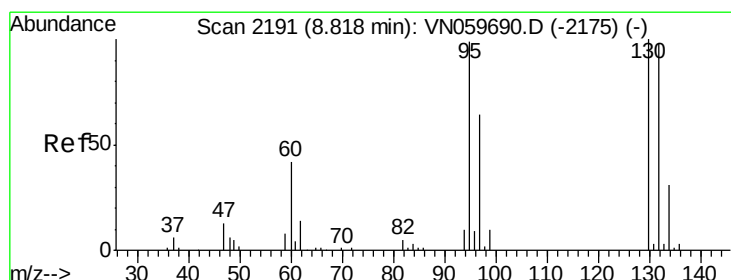
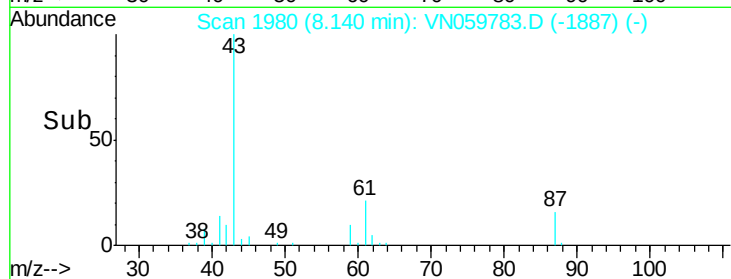
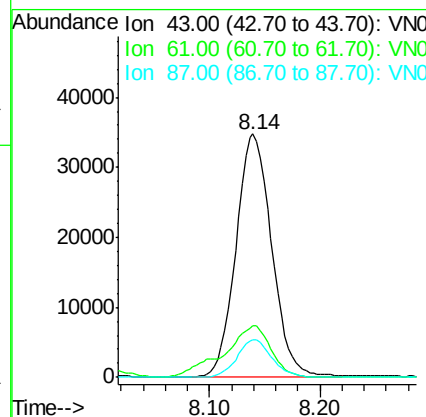
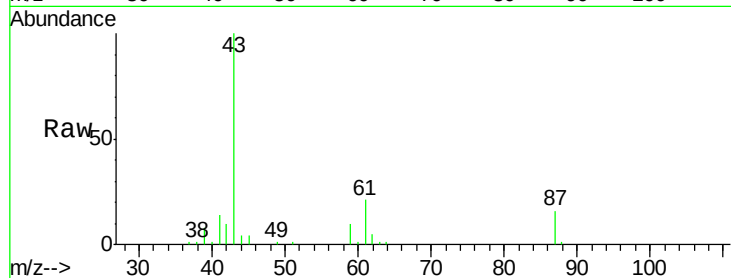
ClientSampleId :

VN0120MBSD01

Tot Ion:	43	Resp:	78228
Ion	Ratio	Lower	Upper
43	100		
61	27.9	20.2	30.2
87	14.9	9.5	14.3#

Manual Integrations
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#44

Trichloroethene

Concen: 20.745 ug/l

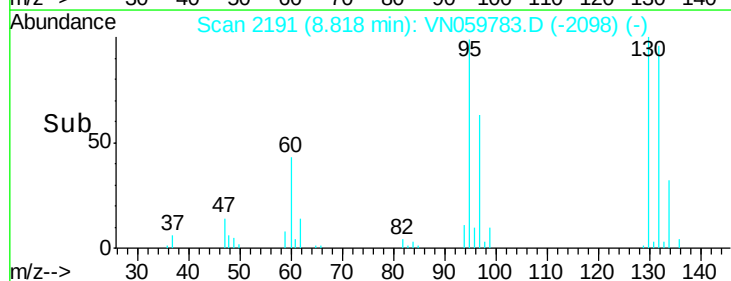
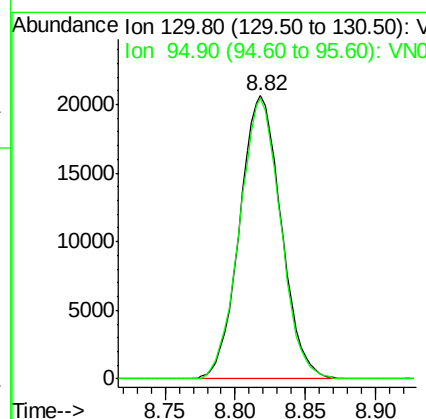
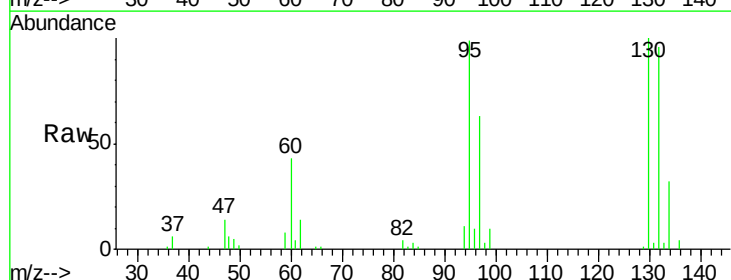
RT: 8.82 min Scan# 2191

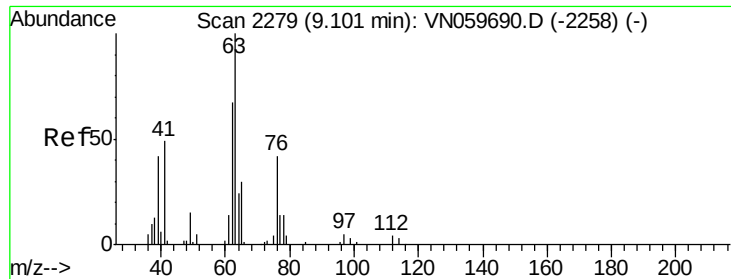
Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Tgt Ion:	130	Resp:	42588
Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	207.0





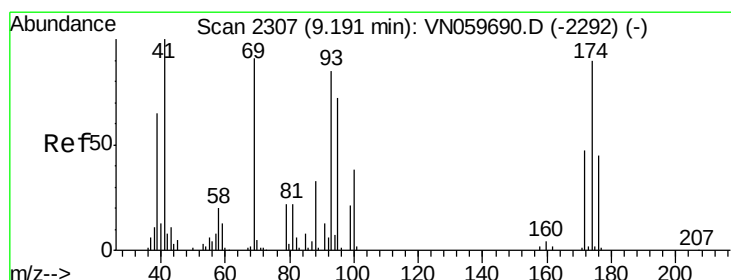
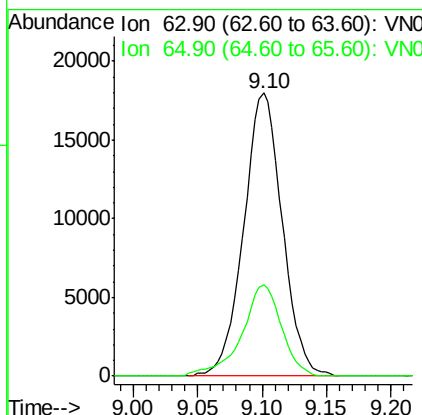
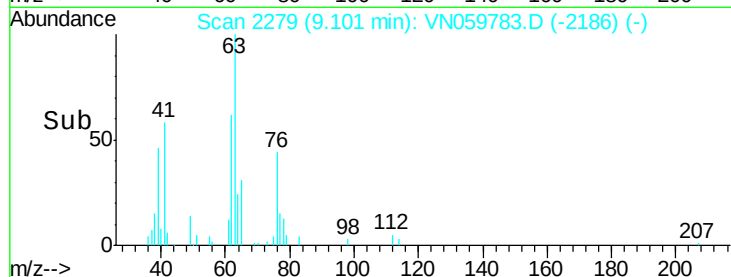
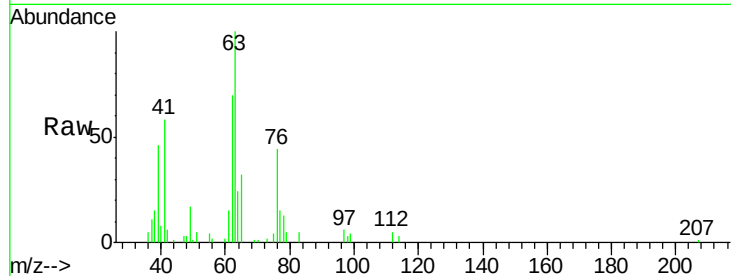
#45
 1,2-Dichloropropane
 Concen: 20.160 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059783.D
 Acq: 20 Jan 2020 13:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0120MBSD01

Tot Ion: 63 Resp: 37514
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.9 37.3

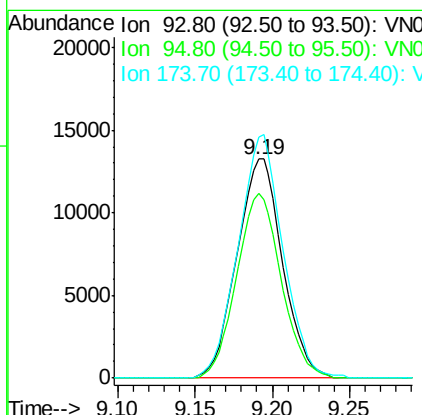
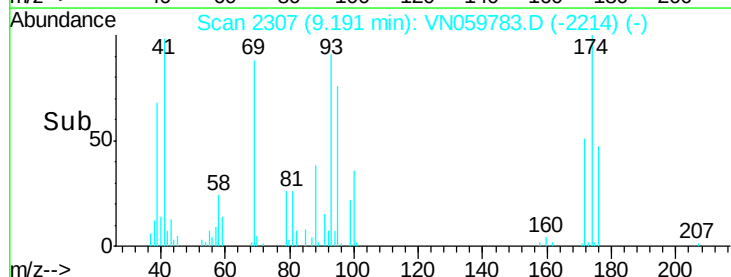
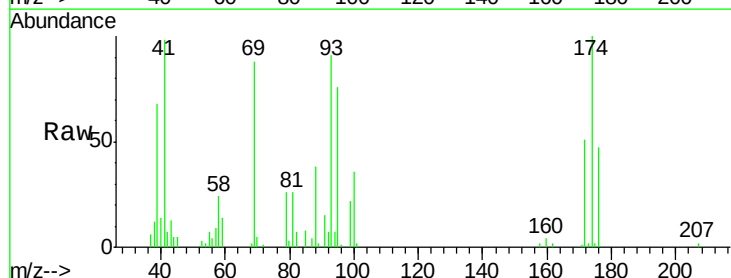
Manual Integrations
 APPROVED

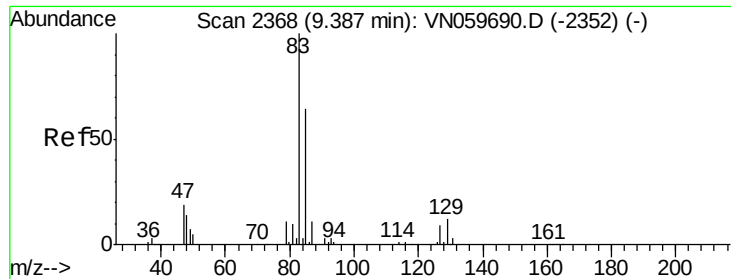
MMDadoda
 1/21/2020 11:01:11 AM



#46
 Dibromomethane
 Concen: 20.725 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059783.D
 Acq: 20 Jan 2020 13:47

Tgt Ion: 93 Resp: 27205
 Ion Ratio Lower Upper
 93 100
 95 82.0 67.0 100.6
 174 109.0 73.4 110.2





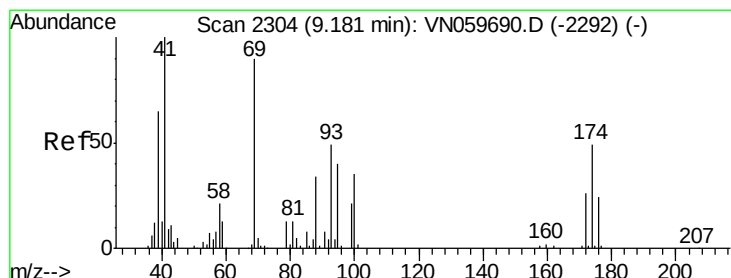
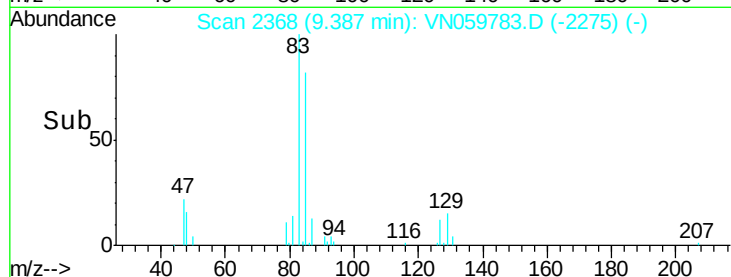
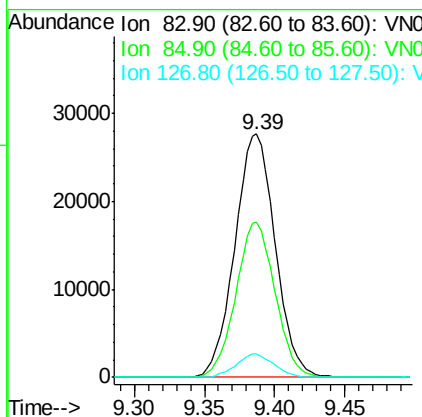
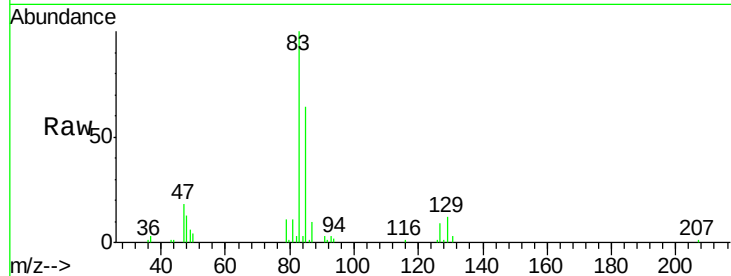
#47
Bromodichloromethane
Concen: 20.945 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0120MBSD01

Tot Ion	83	Resp	55403
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	51.1	76.7
127	9.4	6.6	9.8

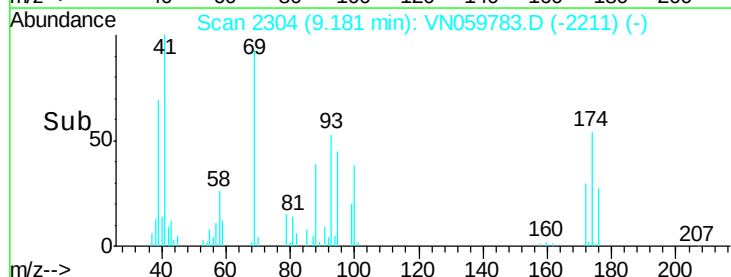
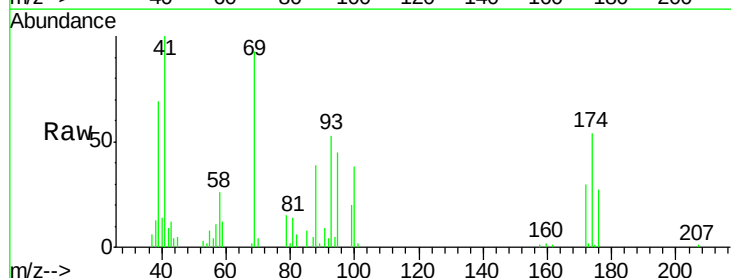
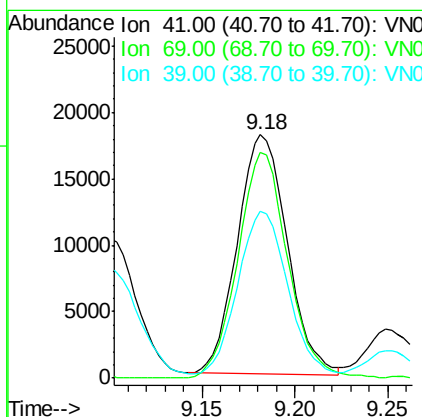
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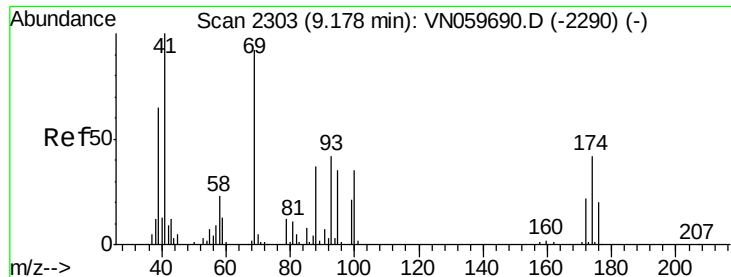
MMDadoda
1/21/2020 11:01:11 AM



#48
Methyl methacrylate
Concen: 18.597 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion	41	Resp	33838
Ion Ratio	100	Lower	Upper
41	100		
69	94.1	64.4	96.6
39	67.8	51.3	76.9





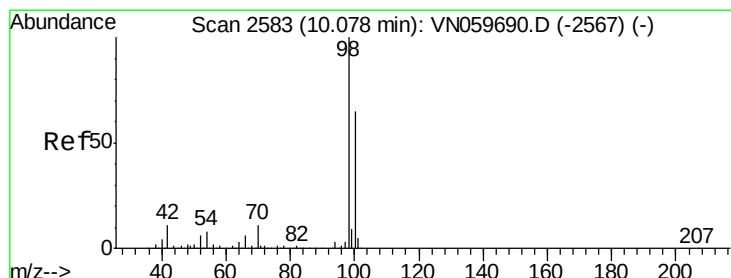
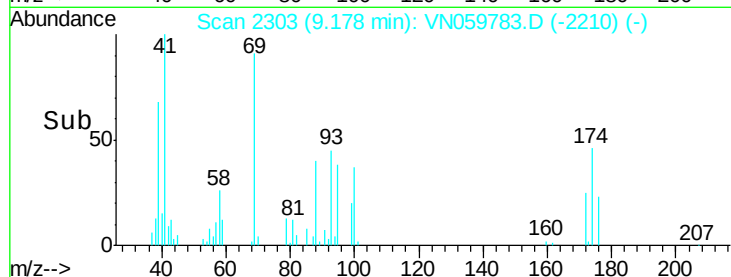
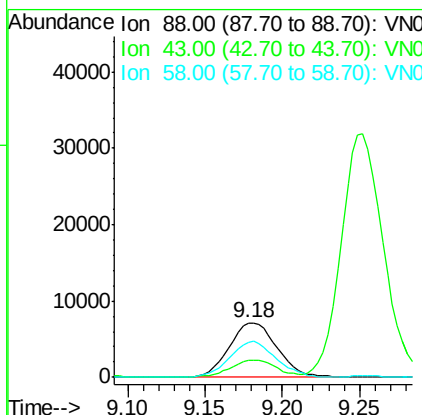
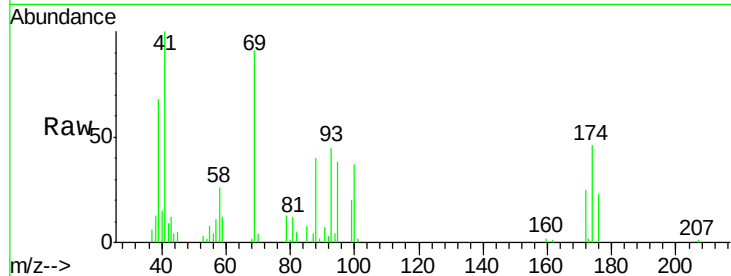
#49
1,4-Dioxane
Concen: 458.709 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0120MBSD01

Tot Ion	88	Resp	15279
Ion	Ratio	Lower	Upper
88	100		
43	31.3	29.7	44.5
58	63.7	56.6	85.0

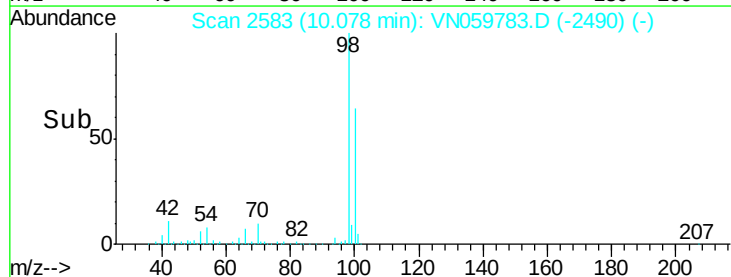
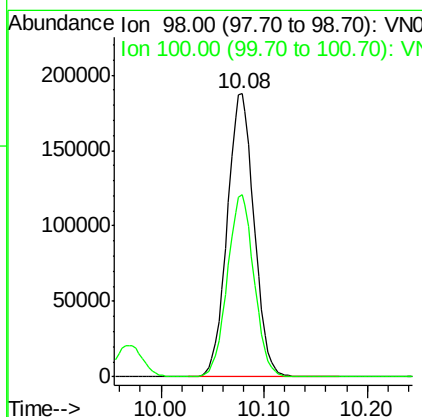
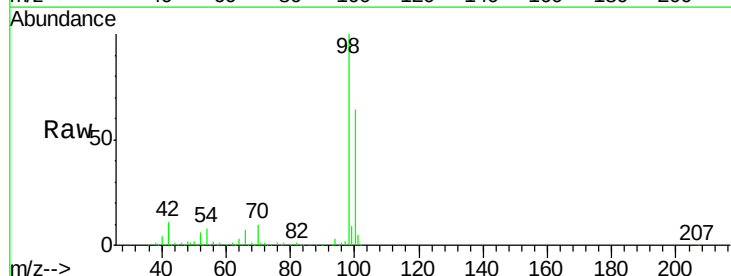
Manual Integrations
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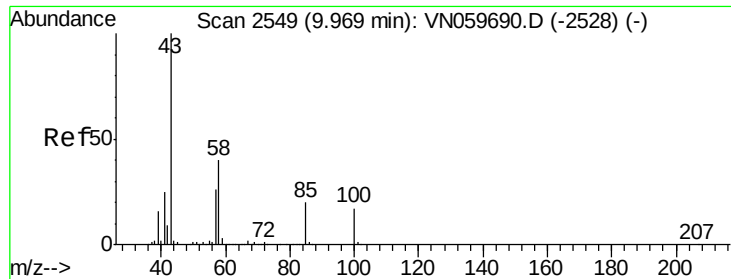
MMDadoda
1/21/2020 11:01:11 AM



#50
Toluene-d8
Concen: 50.844 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion	98	Resp	340150
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8





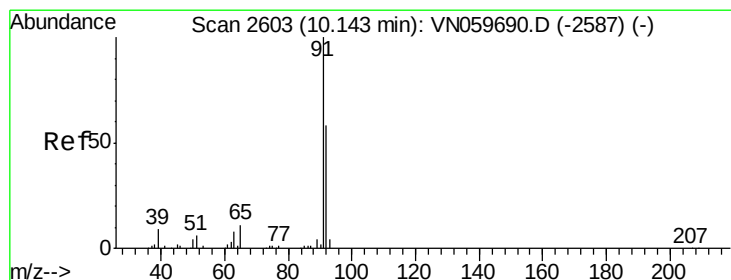
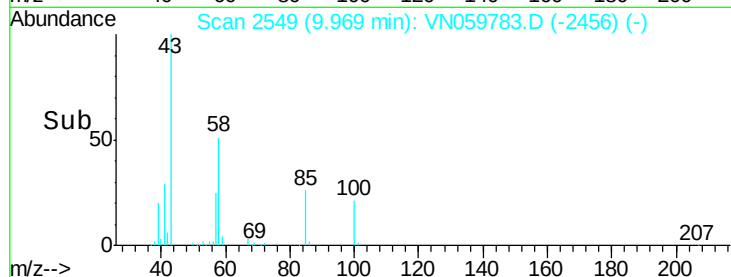
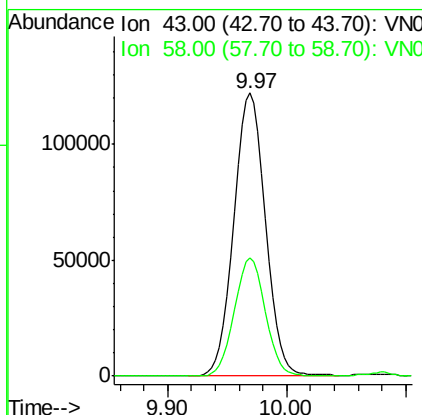
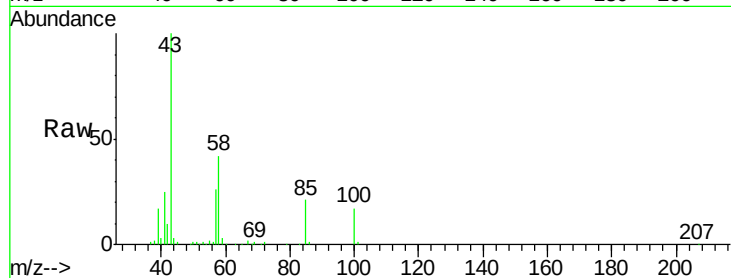
#51
4-Methyl-2-Pentanone
Concen: 95.782 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0120MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.9	29.8	44.8

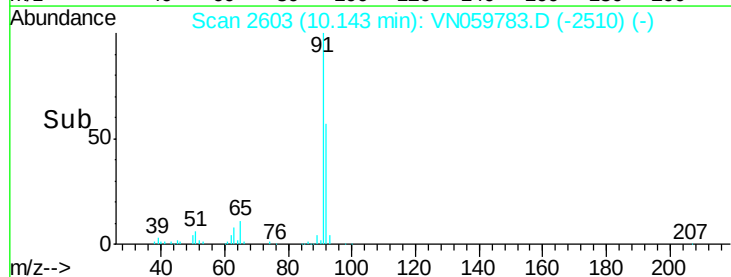
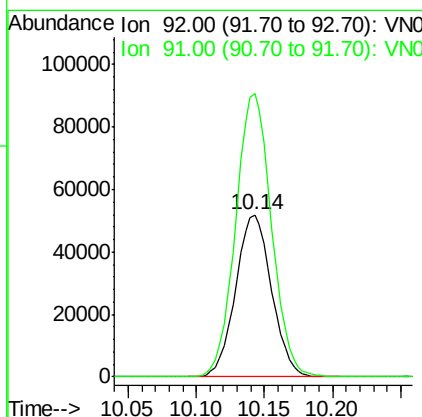
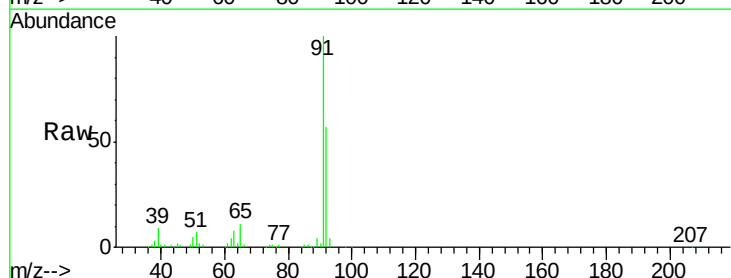
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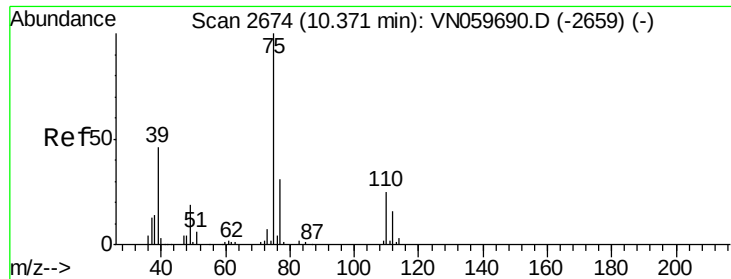
MMDadoda
1/21/2020 11:01:11 AM



#52
Toluene
Concen: 19.942 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.5	140.4	210.6





#53

t-1,3-Dichloropropene

Concen: 20.415 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Instrument :

MSVOA_N

ClientSampled :

VN0120MBSD01

Tot Ion: 75 Resp: 60296

Ion Ratio Lower Upper

75 100

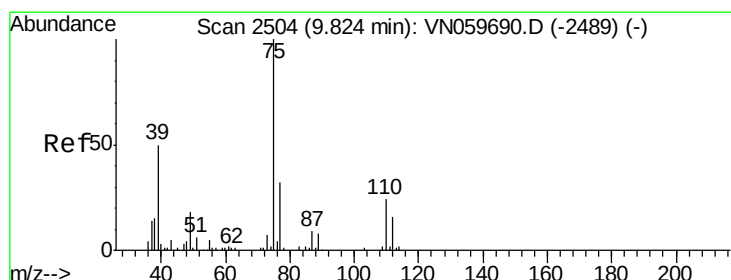
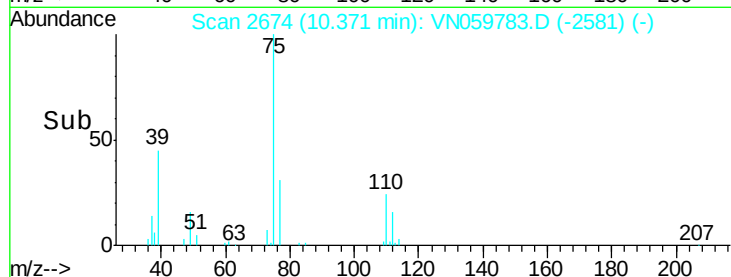
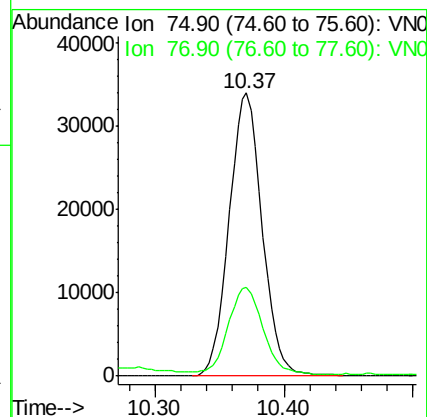
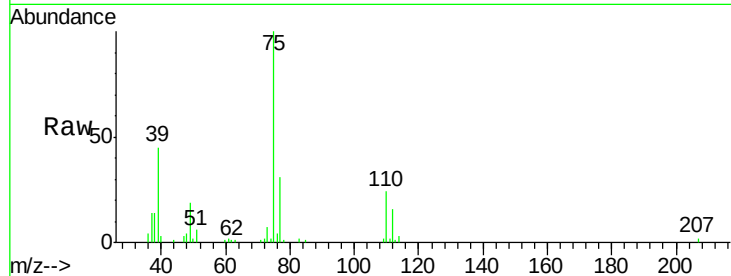
77 30.4 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.405 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

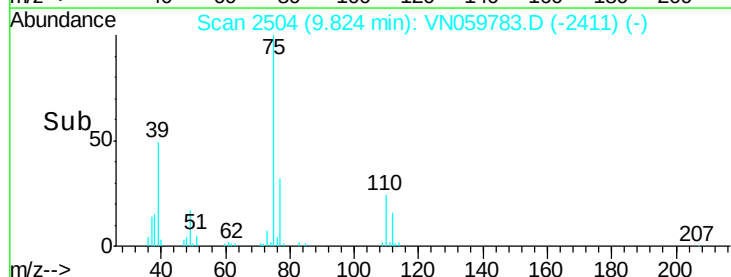
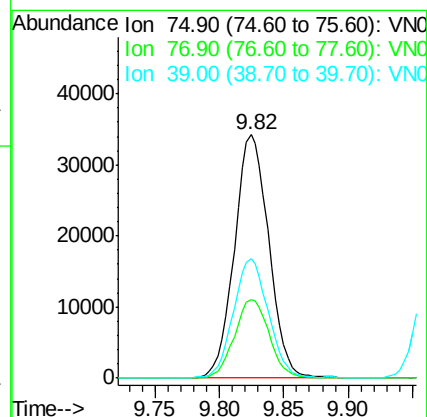
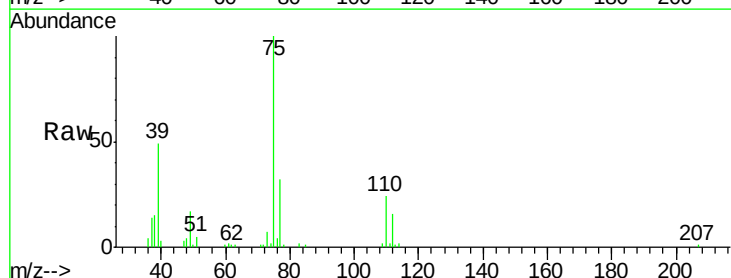
Tgt Ion: 75 Resp: 63413

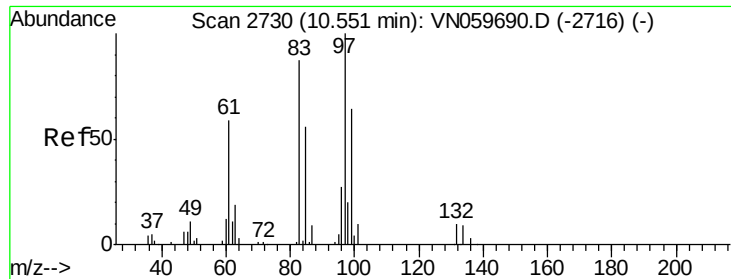
Ion Ratio Lower Upper

75 100

77 32.4 25.1 37.7

39 49.0 46.1 69.1





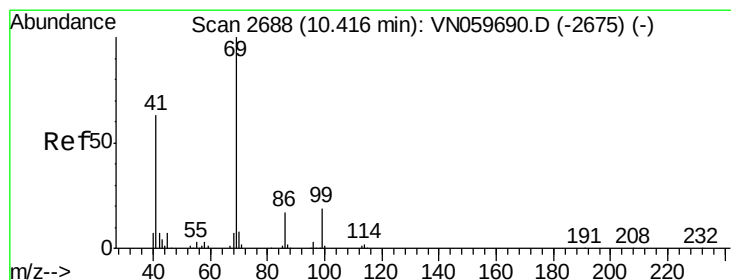
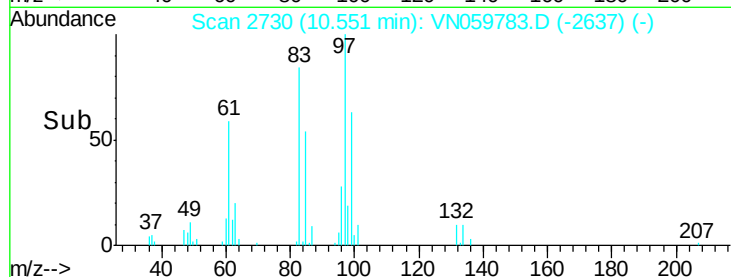
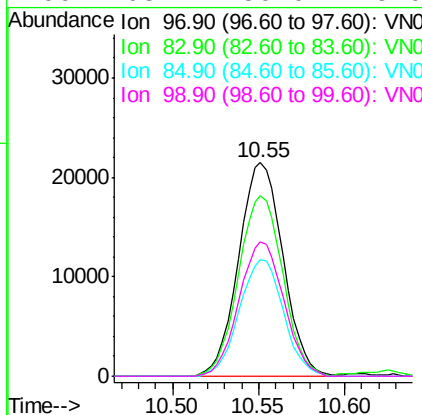
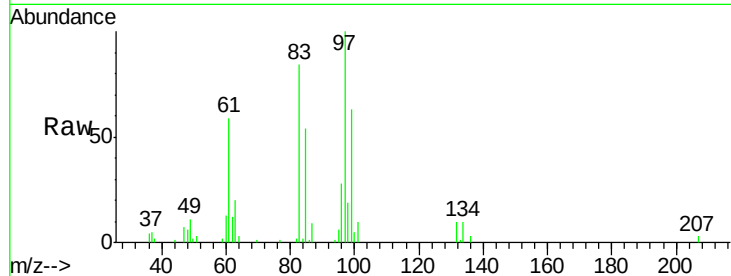
#55
 1,1,2-Trichloroethane
 Concen: 20.537 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059783.D
 Acq: 20 Jan 2020 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0120MBSD01

Tot Ion:	97	Resp:	38636
Ion	Ratio	Lower	Upper
97	100		
83	84.4	71.3	106.9
85	54.4	45.8	68.8
99	63.1	50.0	75.0

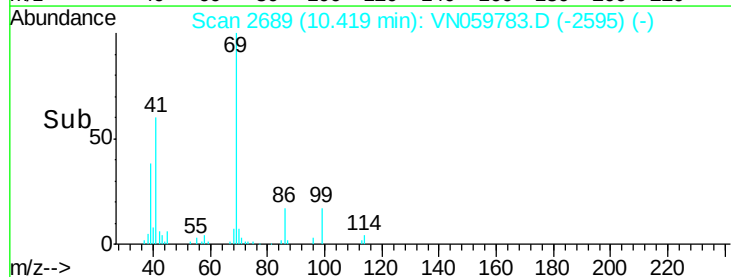
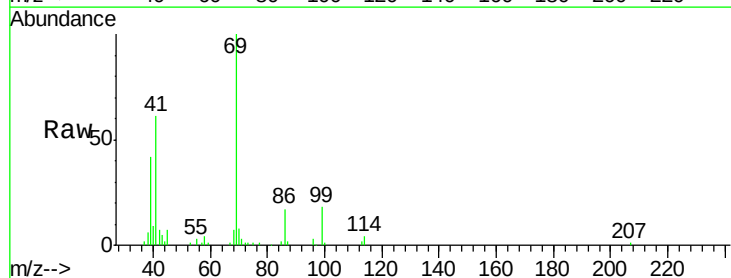
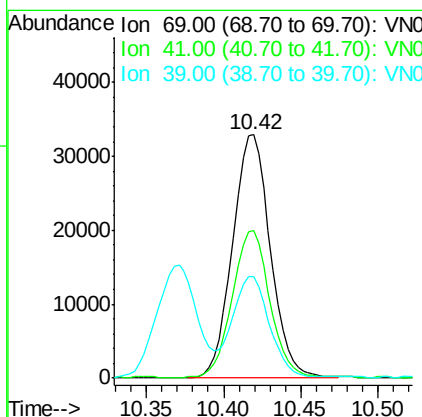
Manual Integrations
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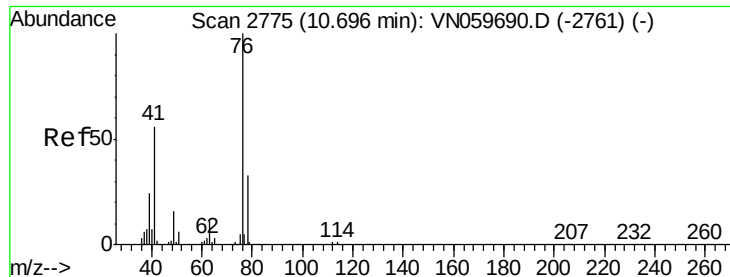
MMDadoda
 1/21/2020 11:01:11 AM



#56
 Ethyl methacrylate
 Concen: 19.468 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059783.D
 Acq: 20 Jan 2020 13:47

Tgt Ion:	69	Resp:	55963
Ion	Ratio	Lower	Upper
69	100		
41	60.9	57.1	85.7
39	40.6	34.7	52.1





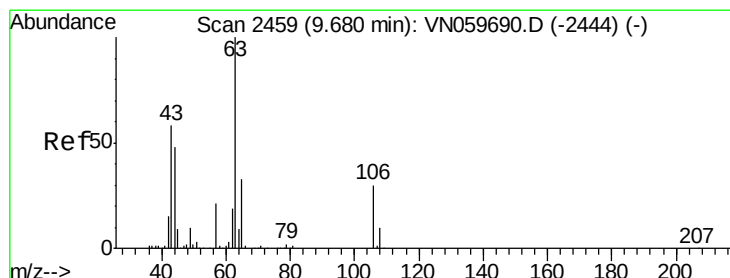
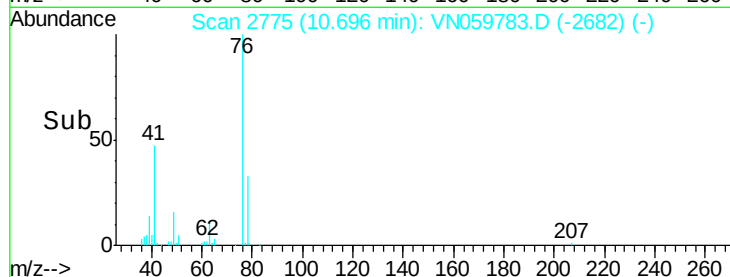
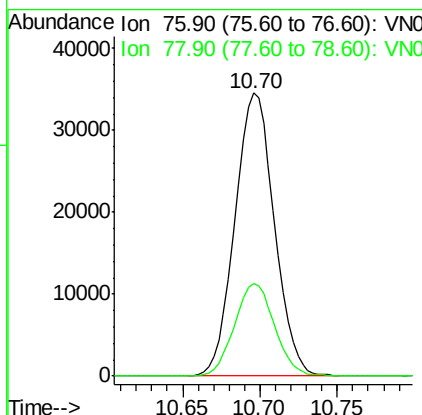
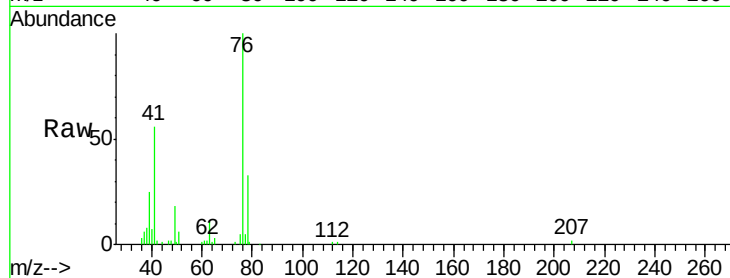
#57
 1,3-Dichloropropane
 Concen: 20.502 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059783.D
 Acq: 20 Jan 2020 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0120MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.8	38.8

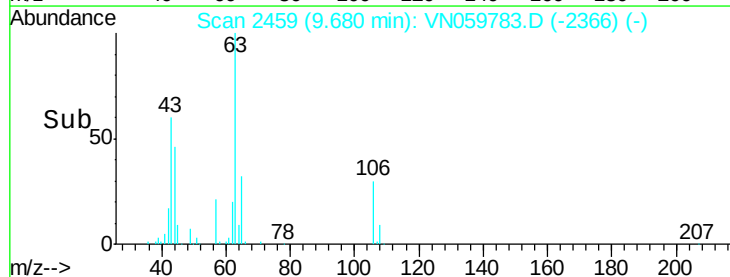
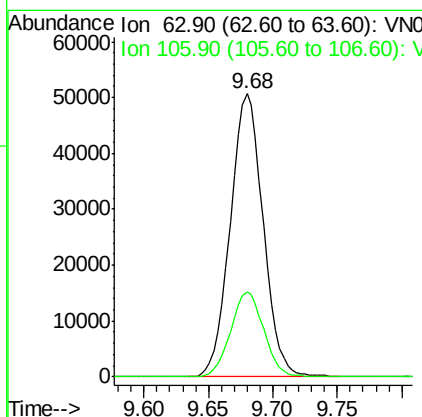
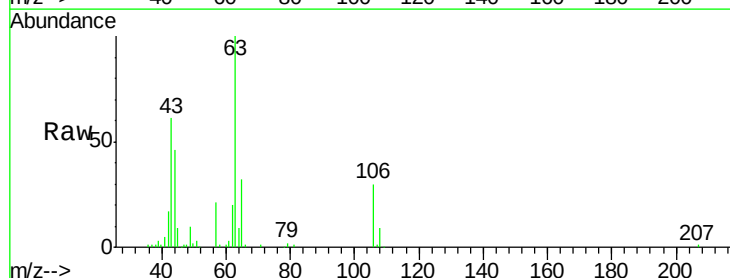
Manual Integrations
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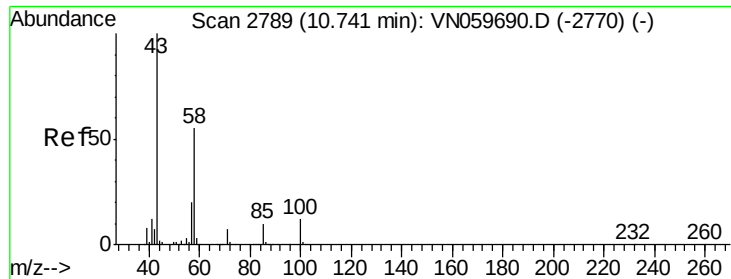
MMDadoda
 1/21/2020 11:01:11 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.704 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059783.D
 Acq: 20 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.2	20.2	30.2





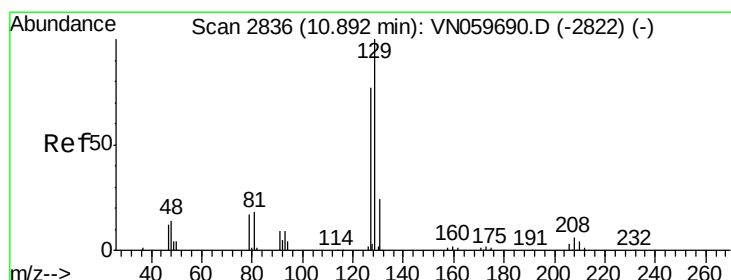
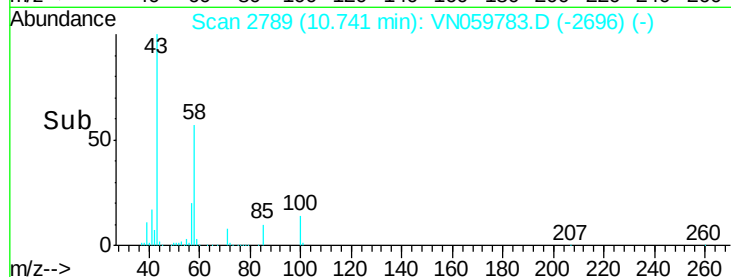
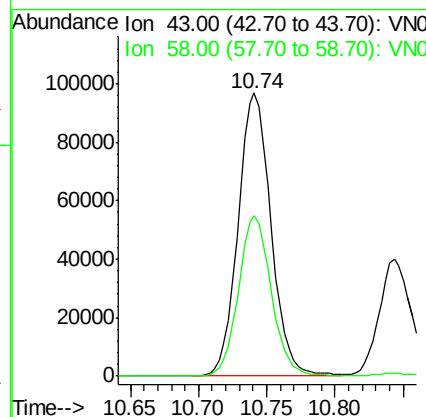
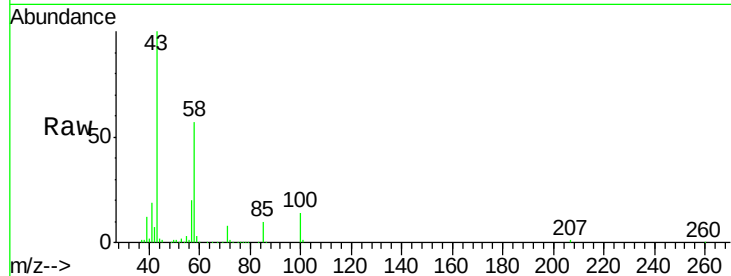
#59
2-Hexanone
Concen: 93.685 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0120MBSD01

Tot Ion: 43 Resp: 162293
Ion Ratio Lower Upper
43 100
58 56.4 25.8 77.3

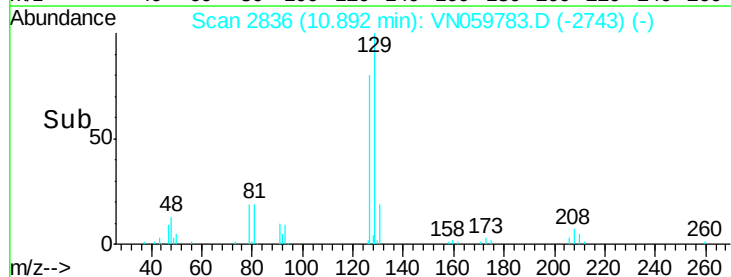
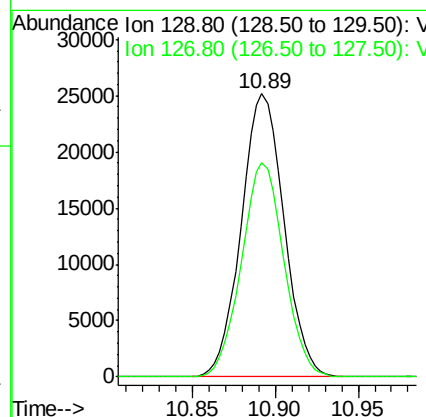
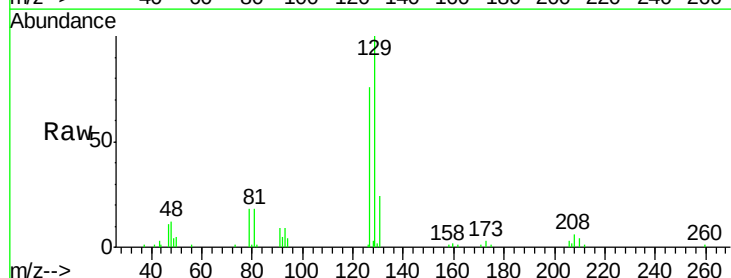
Manual Integrations
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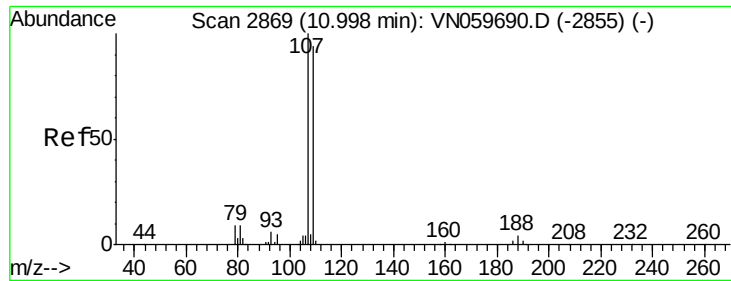
MMDadoda
1/21/2020 11:01:11 AM



#60
Dibromochloromethane
Concen: 21.053 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion: 129 Resp: 45103
Ion Ratio Lower Upper
129 100
127 74.8 38.5 115.5





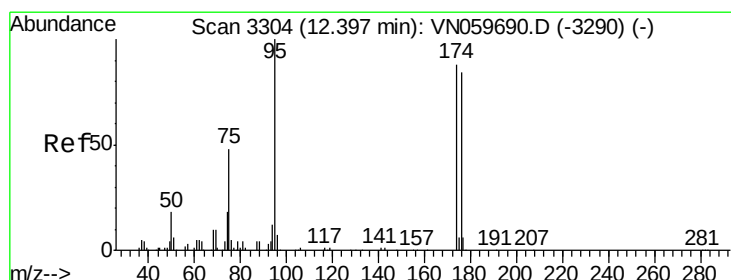
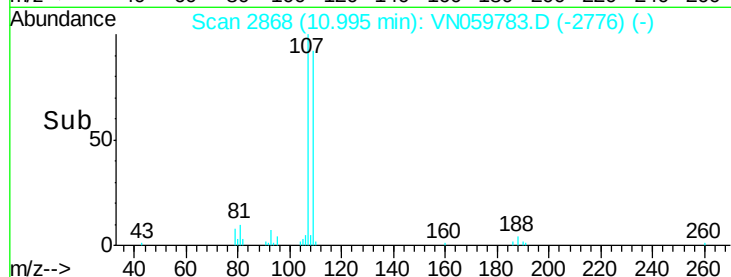
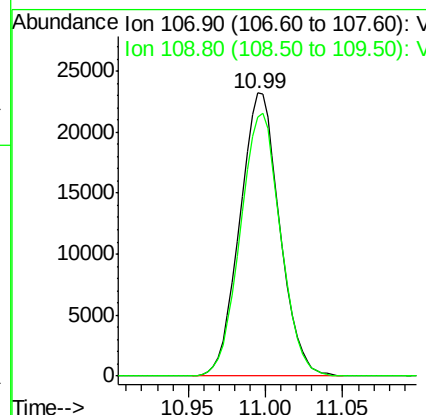
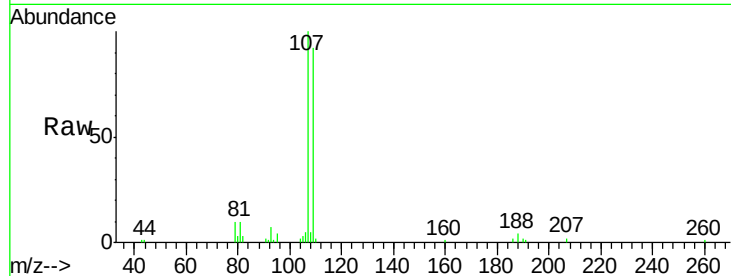
#61
1,2-Dibromoethane
Concen: 21.046 ug/l
RT: 10.99 min Scan# 2868
Delta R.T. -0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0120MBSD01

Tot Ion: 107 Resp: 41498
Ion Ratio Lower Upper
107 100
109 93.7 76.6 115.0

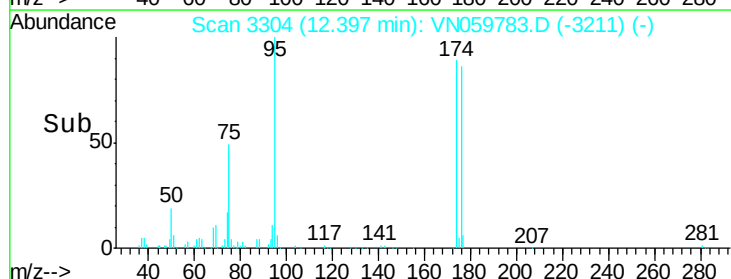
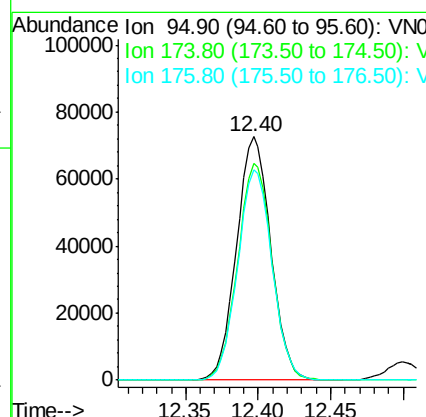
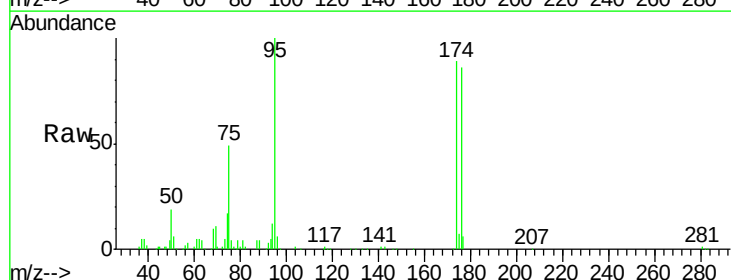
Manual Integrations
APPROVED

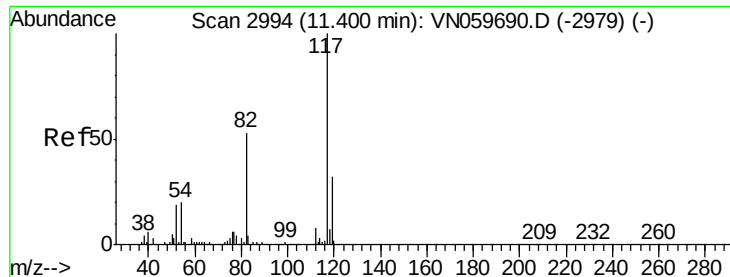
MMDadoda
1/21/2020 11:01:11 AM



#62
4-Bromofluorobenzene
Concen: 49.419 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion: 95 Resp: 119187
Ion Ratio Lower Upper
95 100
174 89.3 0.0 151.4
176 86.7 0.0 146.0





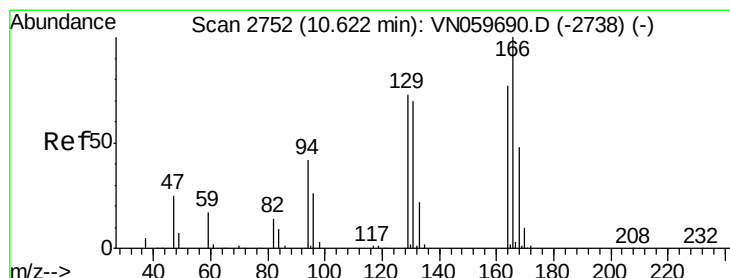
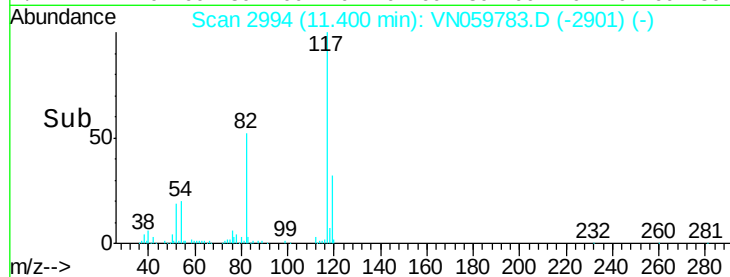
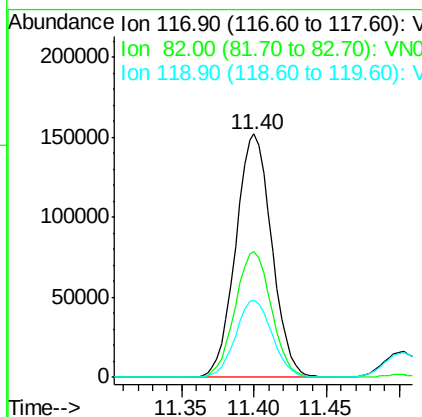
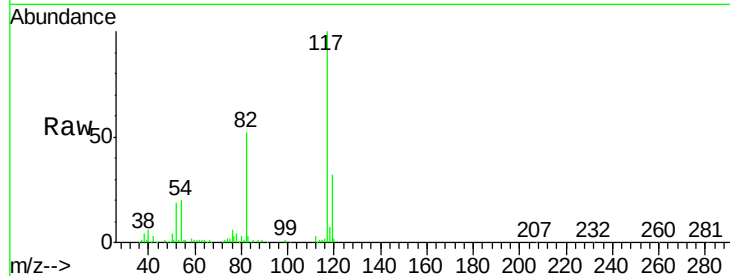
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0120MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	45.9	68.9
119	31.9	25.5	38.3

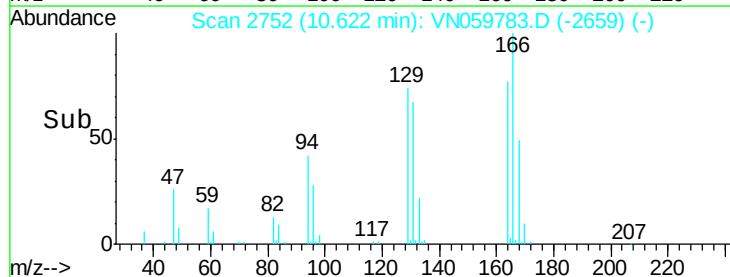
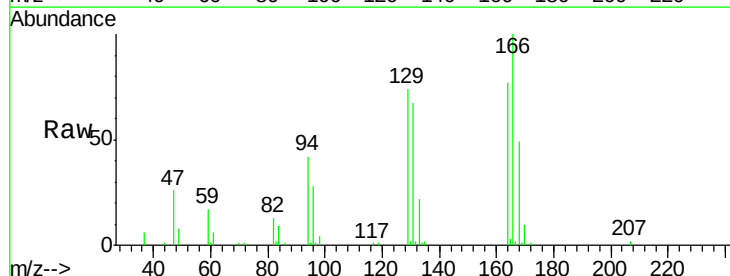
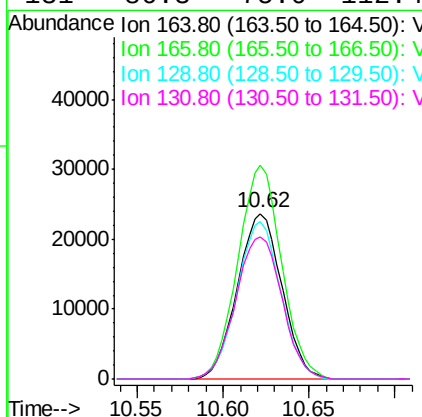
Manual Integrations
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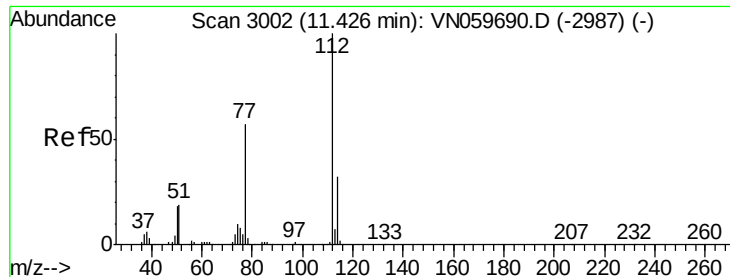
MMDadoda
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#64
Tetrachloroethene
Concen: 19.864 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	101.4	152.0
129	95.0	80.2	120.4
131	86.3	75.0	112.4





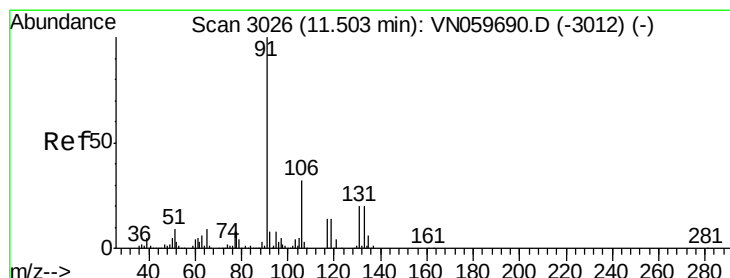
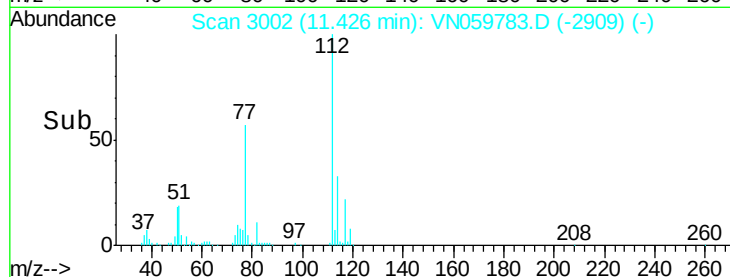
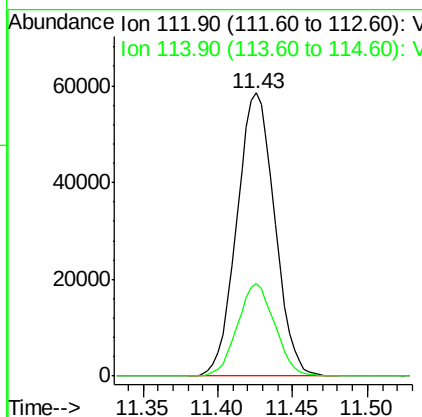
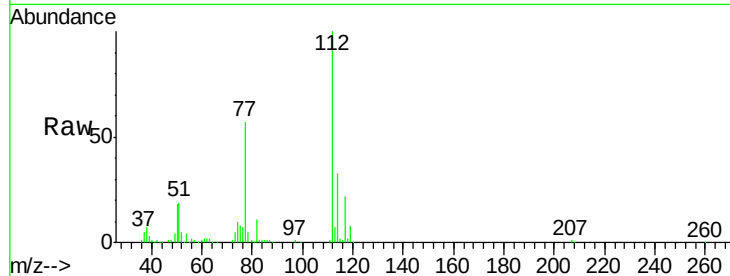
#65
Chlorobenzene
Concen: 19.971 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0120MBSD01

Tot Ion:112 Resp: 102914
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.8

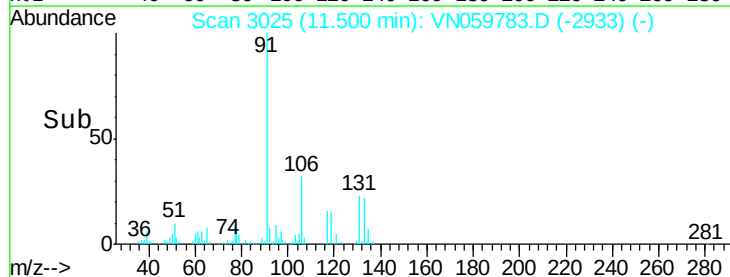
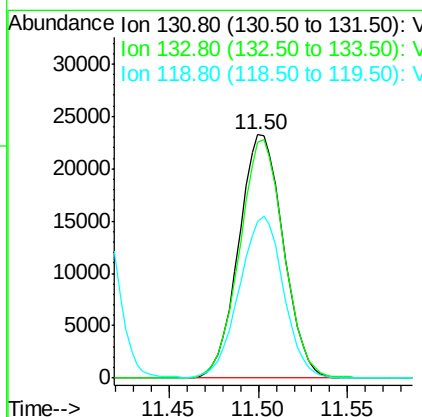
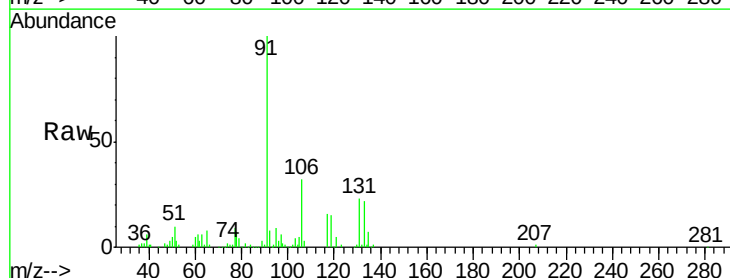
Manual Integrations
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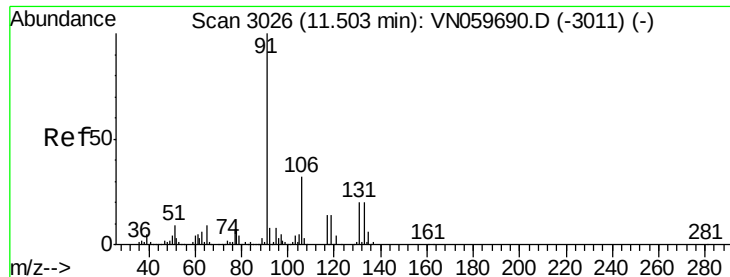
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.334 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion:131 Resp: 40489
Ion Ratio Lower Upper
131 100
133 97.6 47.4 142.2
119 66.1 33.1 99.3





#67

Ethyl Benzene

Concen: 19.441 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0120MBSD01

Tot Ion: 91 Resp: 181860

Ion Ratio Lower Upper

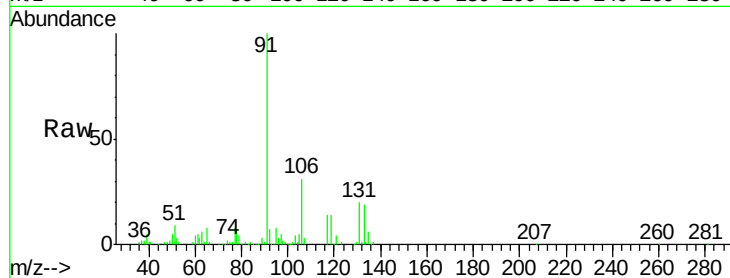
91 100

106 31.4 24.1 36.1

Manual Integrations
APPROVED

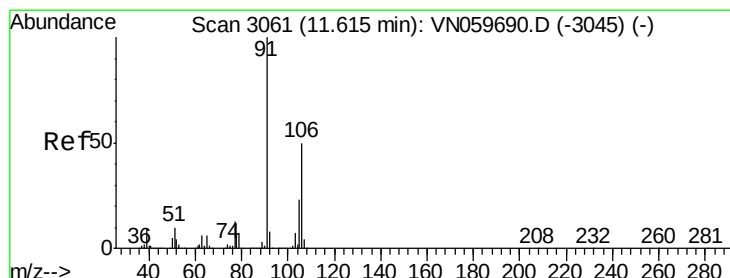
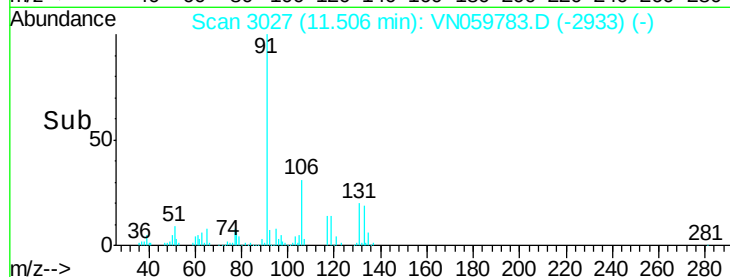
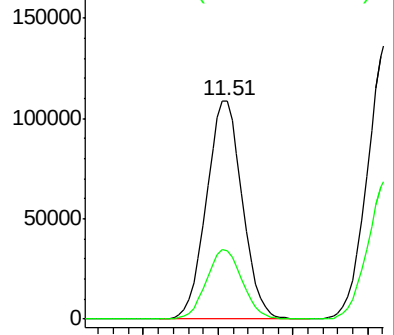
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.558 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059783.D

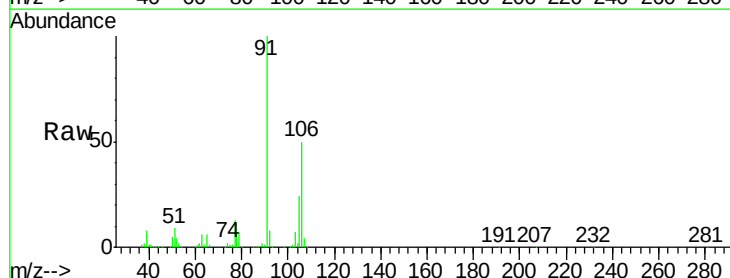
Acq: 20 Jan 2020 13:47

Tgt Ion: 106 Resp: 139782

Ion Ratio Lower Upper

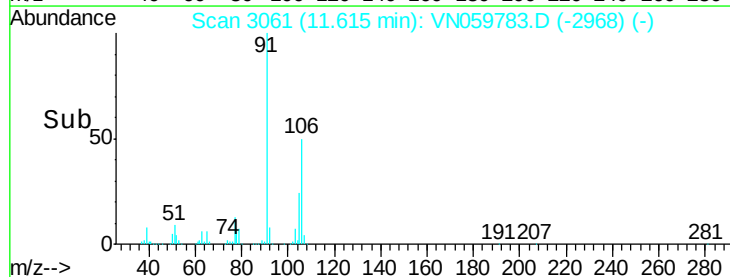
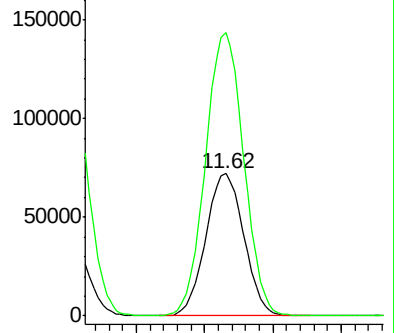
106 100

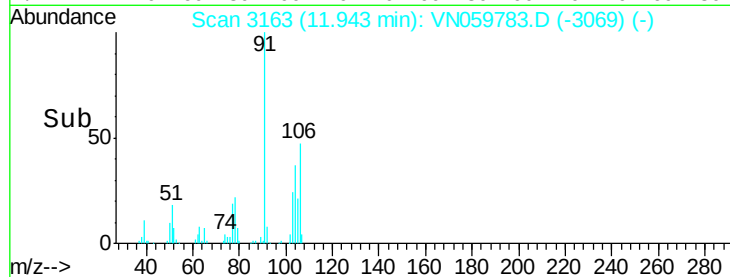
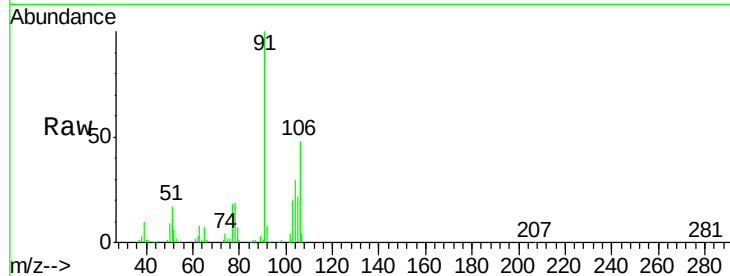
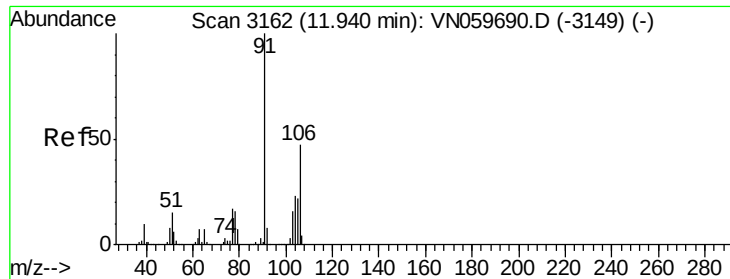
91 199.3 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





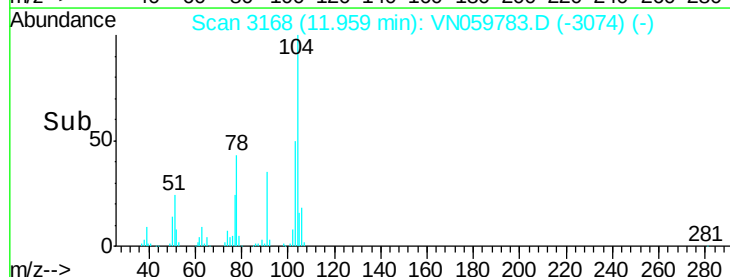
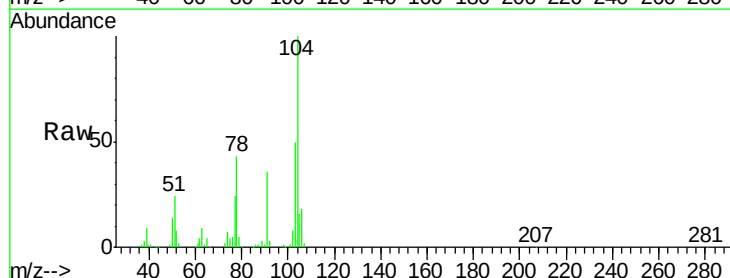
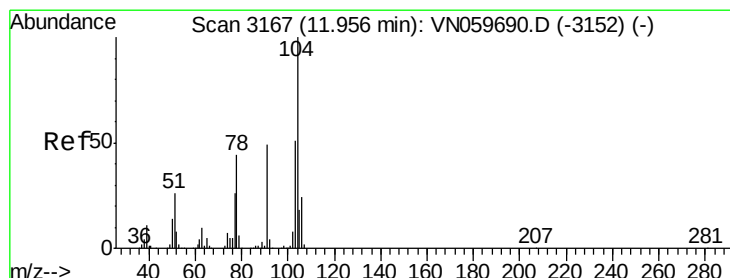
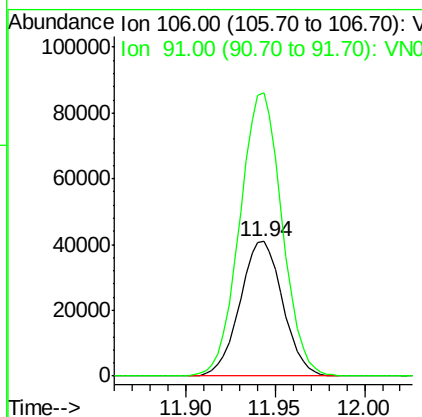
#69
o-Xylene
Concen: 19.821 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tot Ion:106 Resp: 68569
Ion Ratio Lower Upper
106 100
91 207.7 110.3 330.9

Instrument :
MSVOA_N
ClientSampleId :
VN0120MBSD01

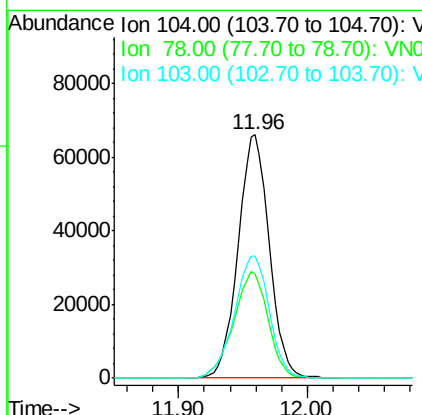
Manual Integrations
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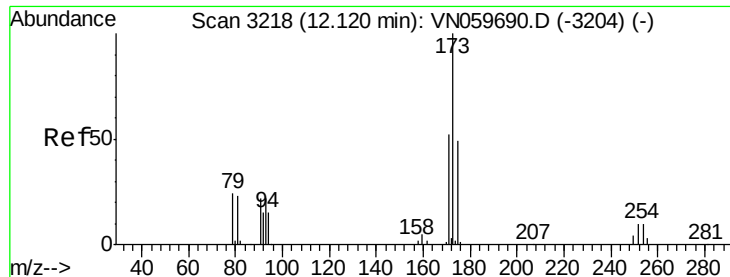
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#70
Styrene
Concen: 19.196 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion:104 Resp: 111124
Ion Ratio Lower Upper
104 100
78 48.1 42.4 63.6
103 56.2 43.9 65.9





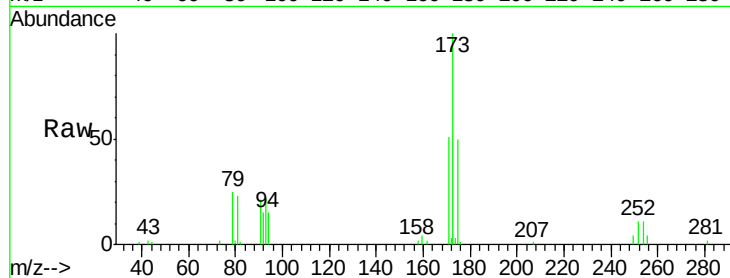
#71
Bromoform
Concen: 20.363 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0120MBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
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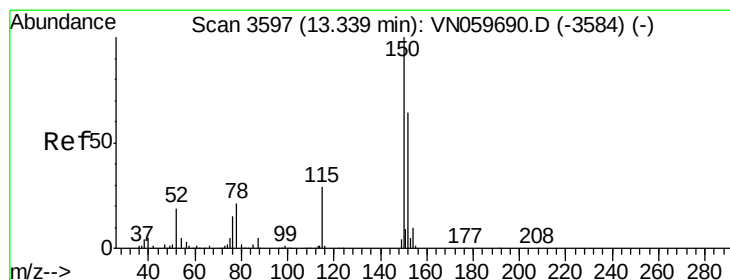
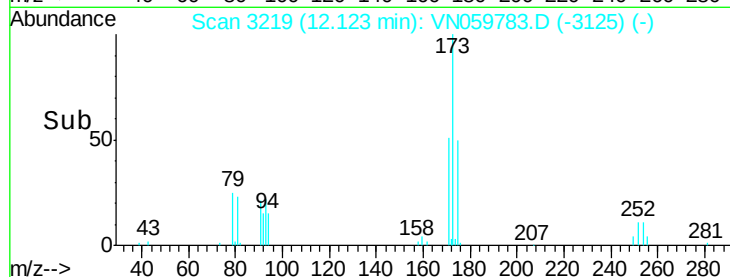
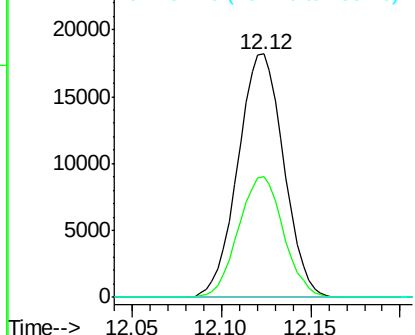


Abundance

Ion 172.70 (172.40 to 173.40): V

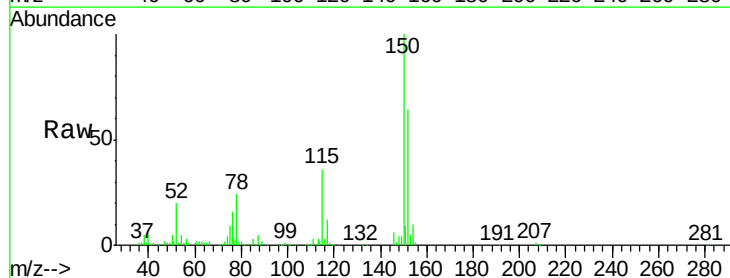
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	30.3	90.9
150	161.7	0.0	345.2

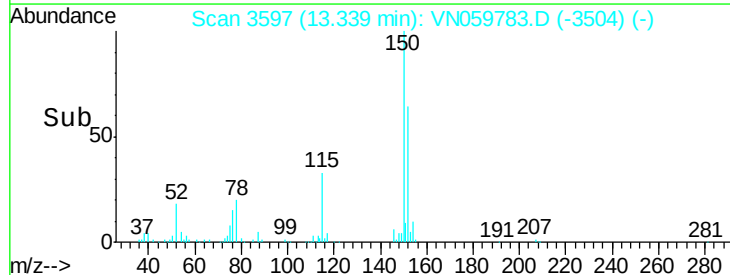
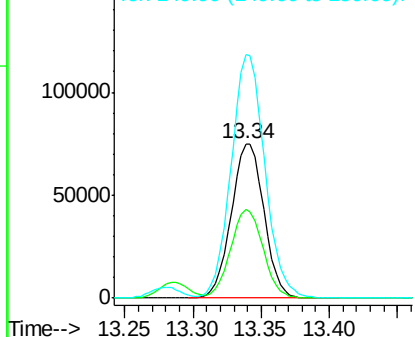


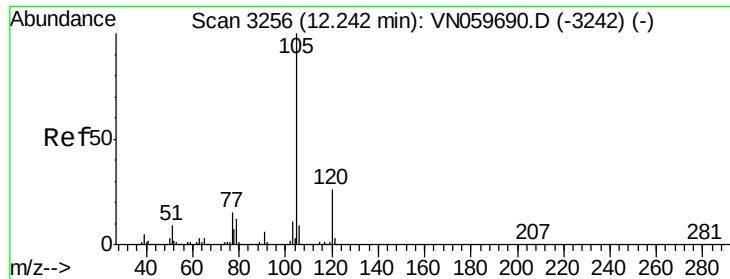
Abundance

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: 19.883 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0120MBSD01

Tot Ion: 105 Resp: 182279

Ion Ratio Lower Upper

105 100

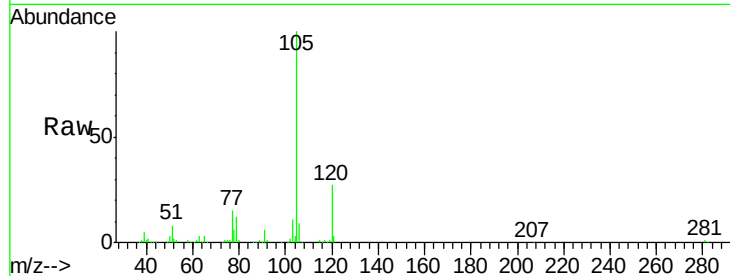
120 26.6 13.2 39.5

Manual Integrations

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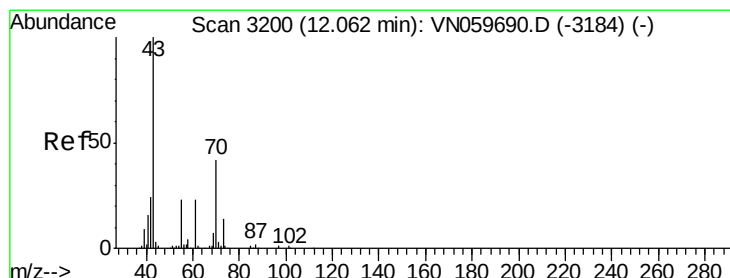
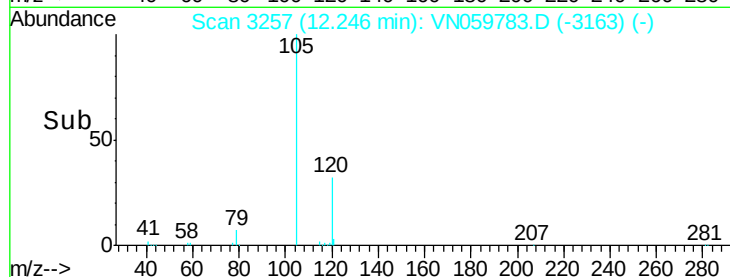
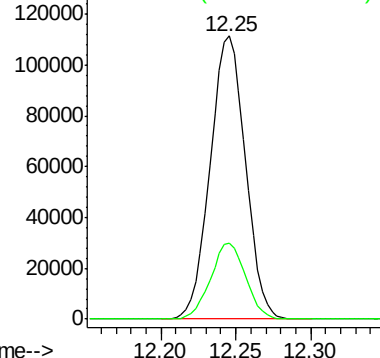
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.150 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Tgt Ion: 43 Resp: 64567

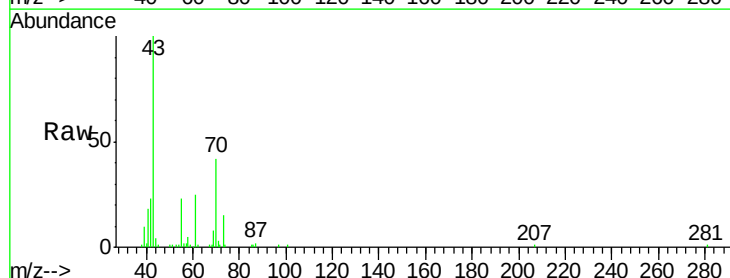
Ion Ratio Lower Upper

43 100

70 42.6 31.3 46.9

55 23.7 19.8 29.6

61 24.3 18.3 27.5

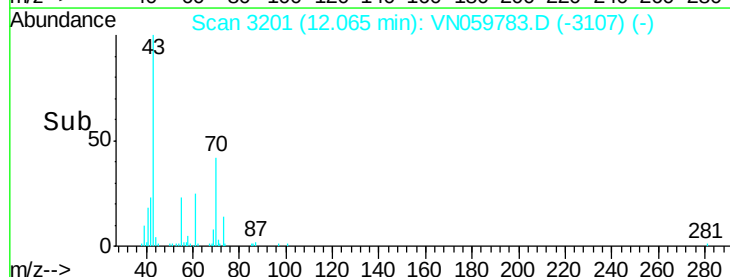
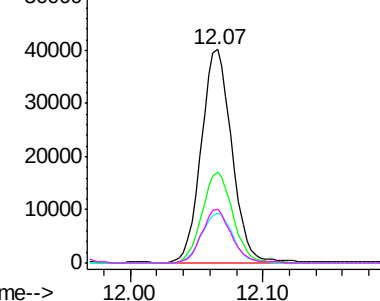


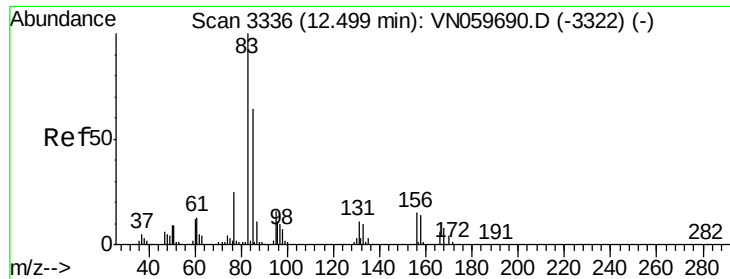
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.731 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Instrument :

MSVOA_N

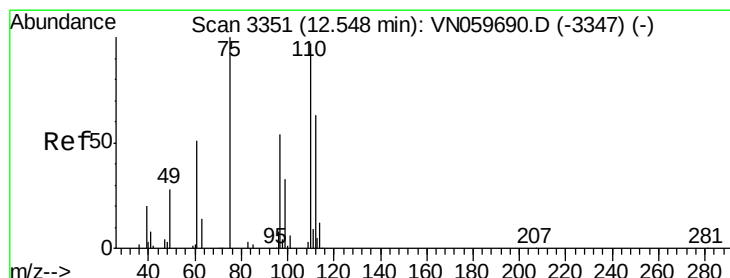
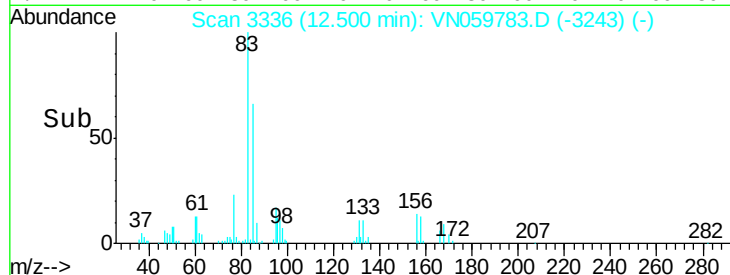
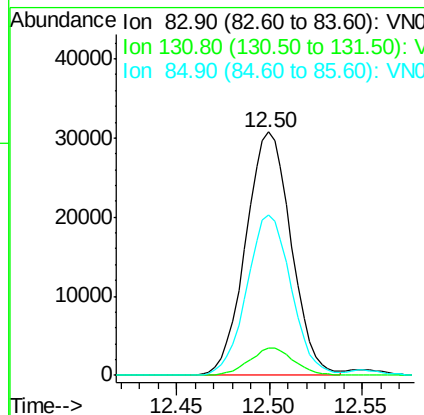
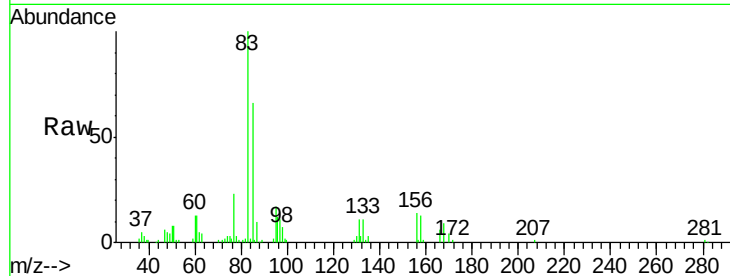
ClientSampleId :

VN0120MBSD01

Tot Ion:	83	Resp:	52438
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.0	14.9
85	64.5	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.446 ug/l m

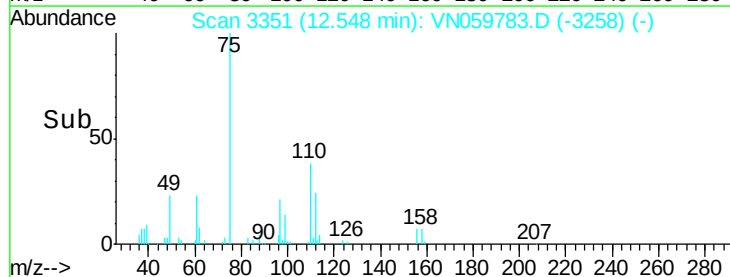
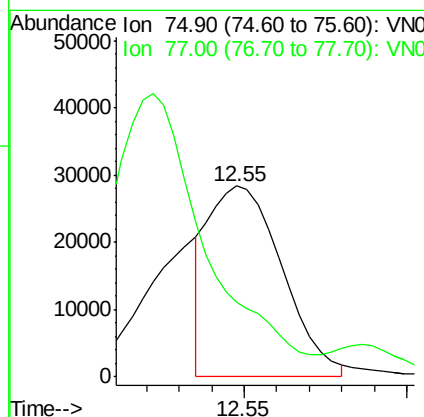
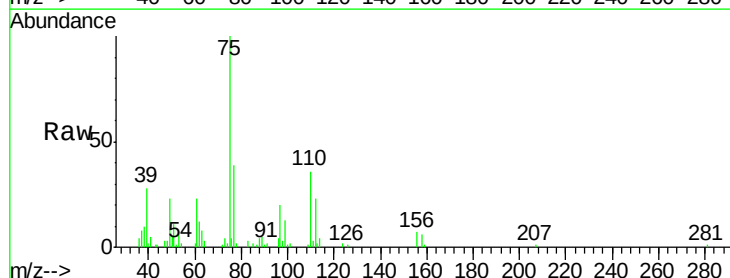
RT: 12.55 min Scan# 3351

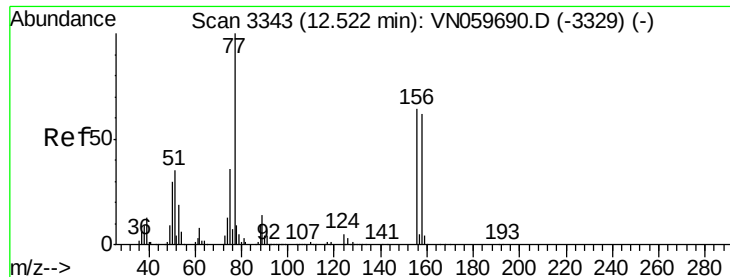
Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Tgt Ion:	75	Resp:	45116
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.121 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0120MBSD01

Tot Ion:156 Resp: 46714

Ion Ratio Lower Upper

156 100

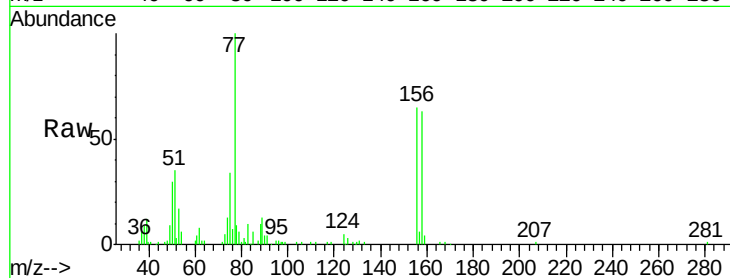
77 187.9 115.8 347.4

158 96.6 49.2 147.6

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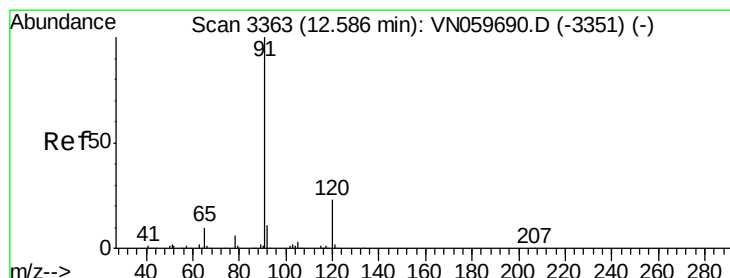
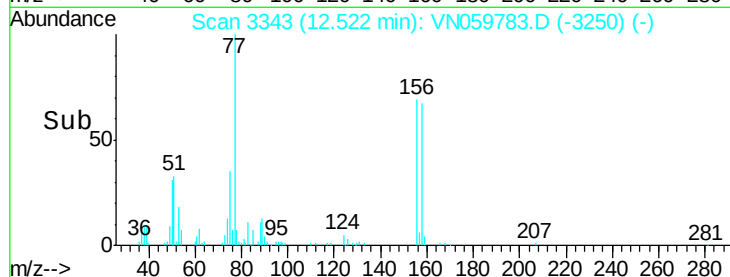
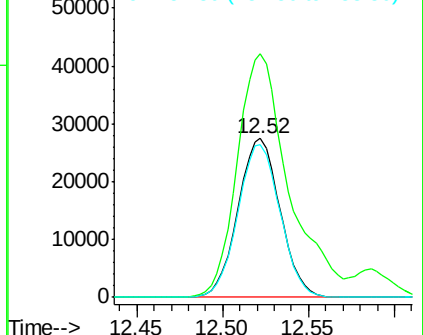
1/21/2020 11:01:11 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.486 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059783.D

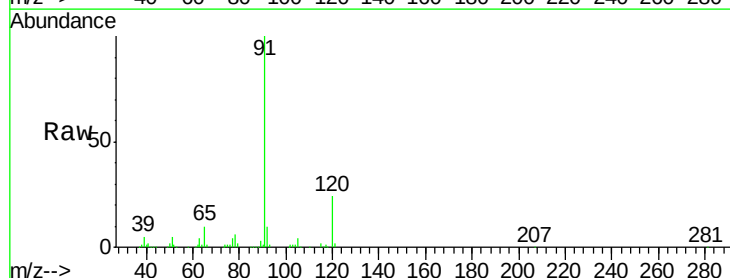
Acq: 20 Jan 2020 13:47

Tgt Ion: 91 Resp: 200505

Ion Ratio Lower Upper

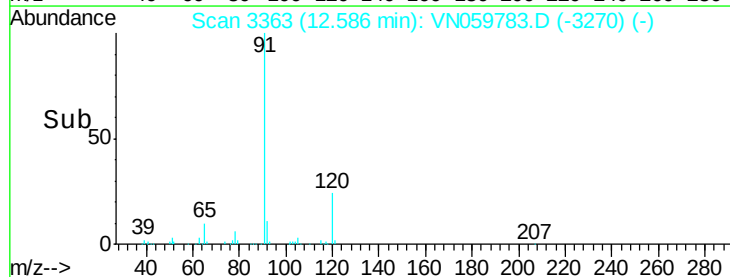
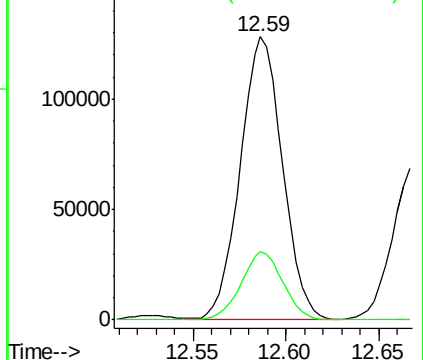
91 100

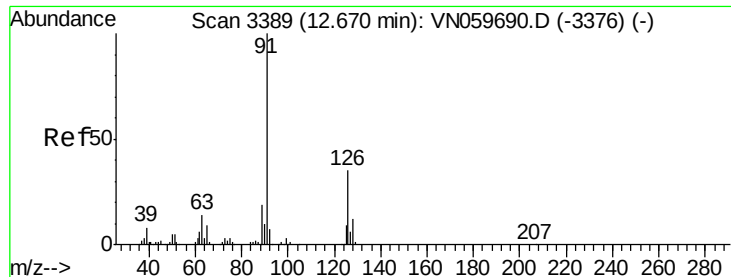
120 24.1 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.458 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0120MBSD01

Tot Ion: 91 Resp: 119111

Ion Ratio Lower Upper

91 100

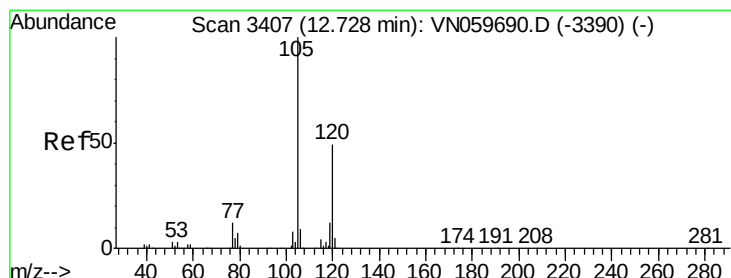
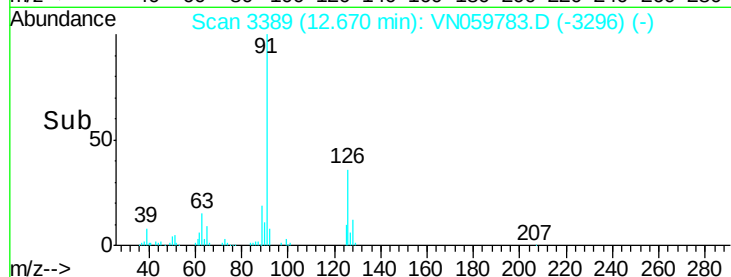
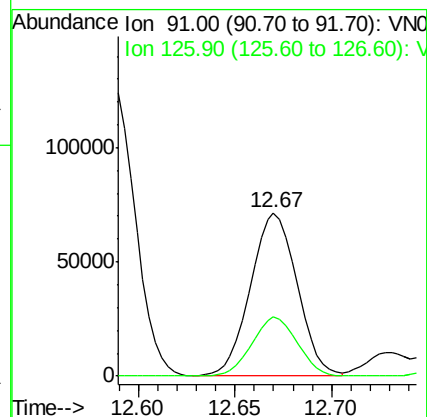
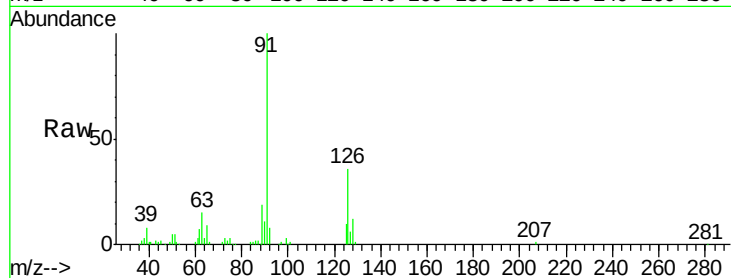
126 35.5 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 19.641 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059783.D

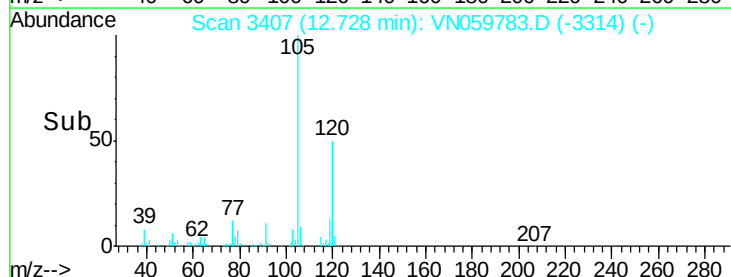
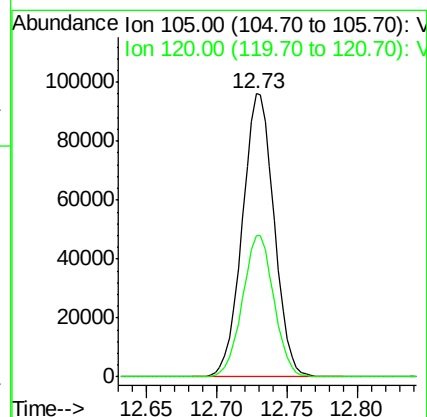
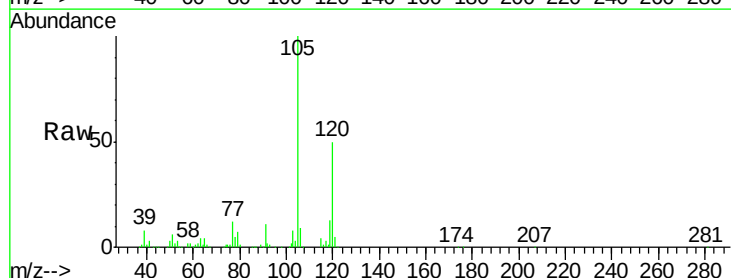
Acq: 20 Jan 2020 13:47

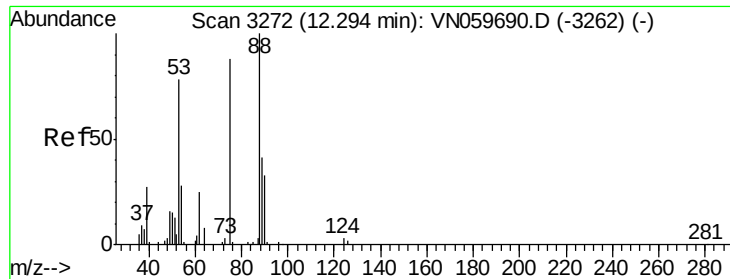
Tgt Ion: 105 Resp: 151431

Ion Ratio Lower Upper

105 100

120 49.6 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.426 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Instrument :

MSVOA_N

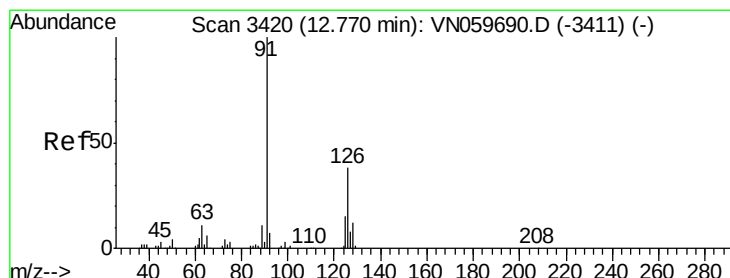
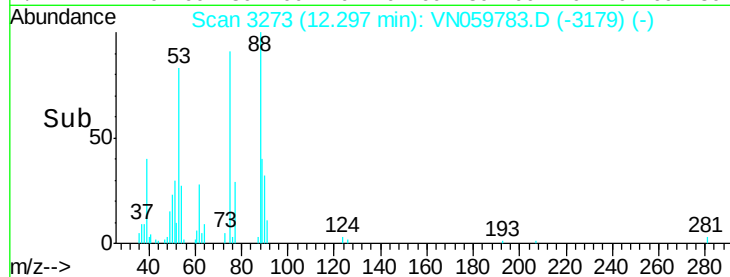
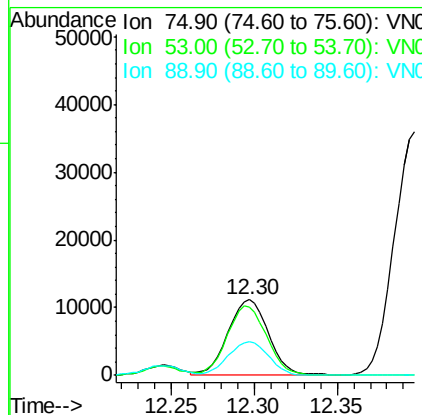
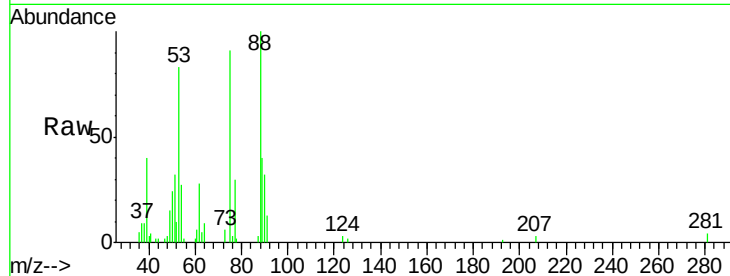
ClientSampleId :

VN0120MBSD01

Tot Ion:	75	Resp:	19030
Ion	Ratio	Lower	Upper
75	100		
53	89.5	78.1	117.1
89	44.1	35.4	53.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.842 ug/l

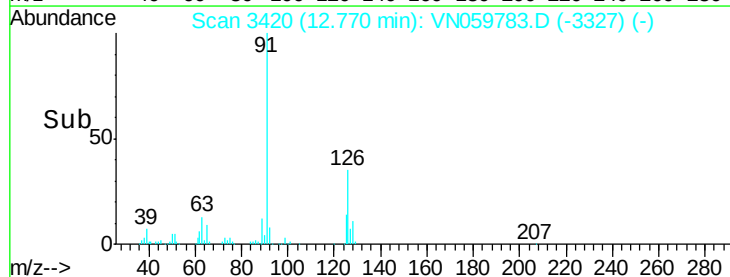
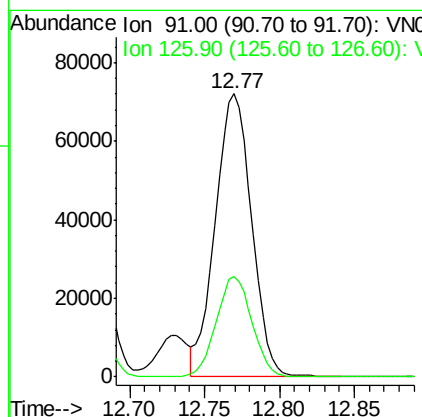
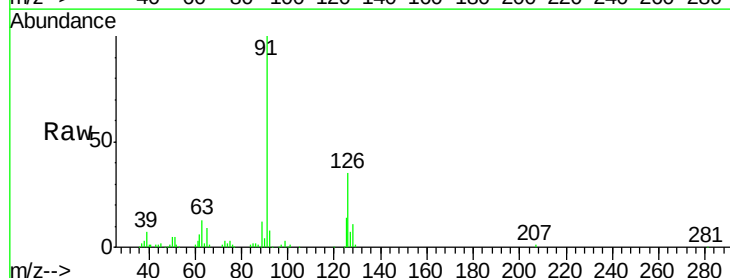
RT: 12.77 min Scan# 3420

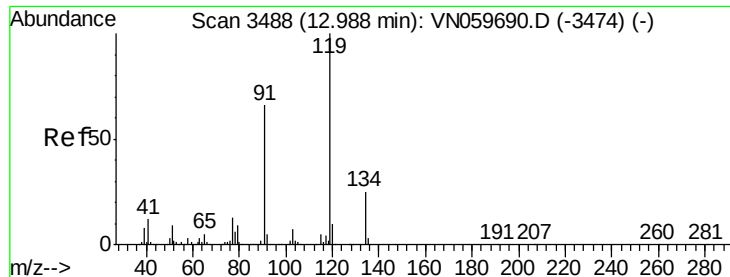
Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Tgt Ion:	91	Resp:	121824
Ion	Ratio	Lower	Upper
91	100		
126	34.8	16.3	48.8





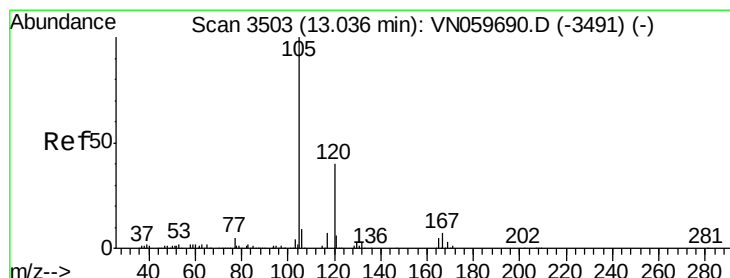
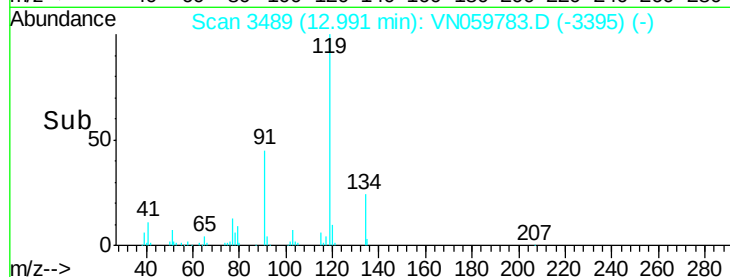
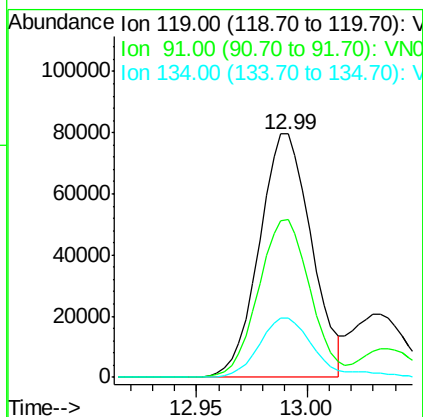
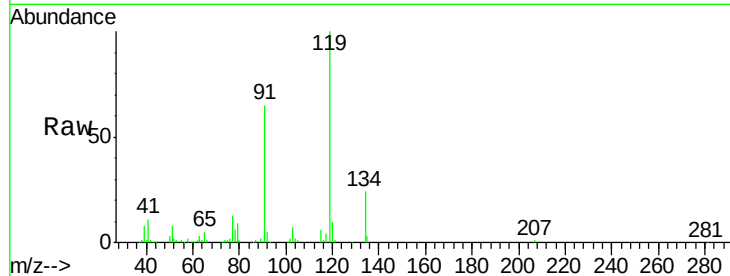
#83
tert-Butylbenzene
Concen: 19.587 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0120MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	34.8	104.4
134	26.0	12.3	36.9

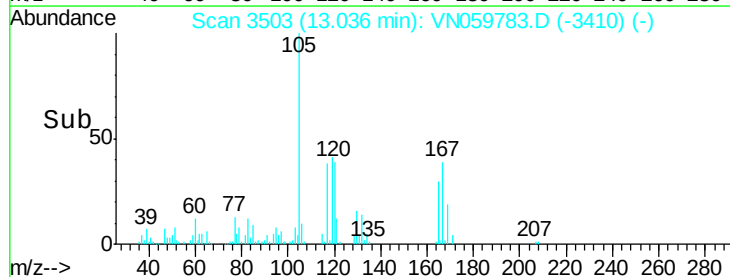
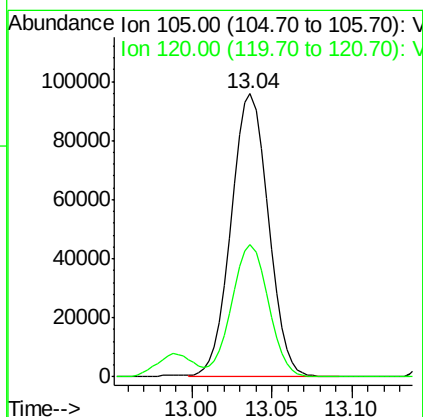
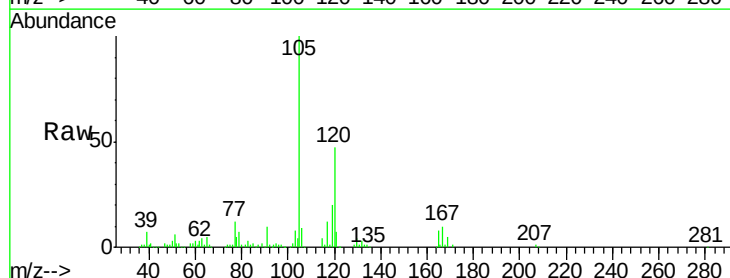
Manual Integrations
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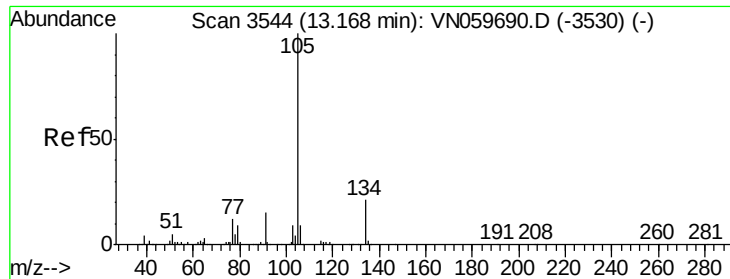
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#84
1,2,4-Trimethylbenzene
Concen: 19.964 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.3	66.9





#85

sec-Butylbenzene

Concen: 19.666 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0120MBSD01

Tot Ion:105 Resp: 172294

Ion Ratio Lower Upper

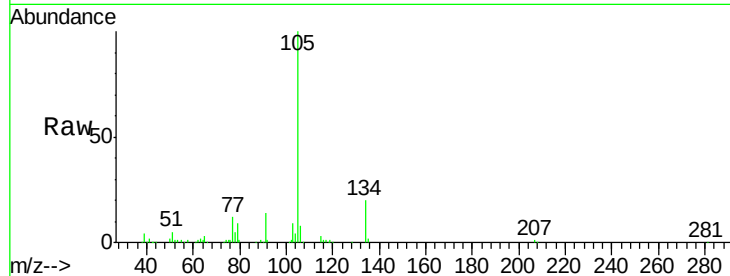
105 100

134 19.9 9.8 29.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

60000

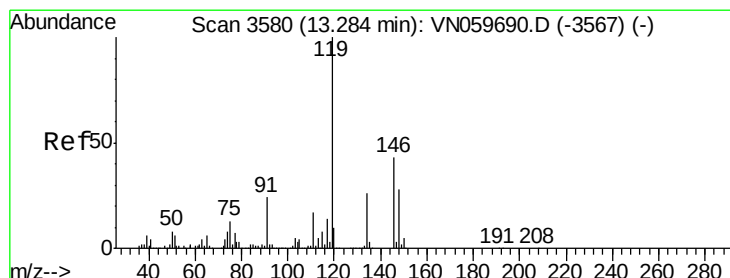
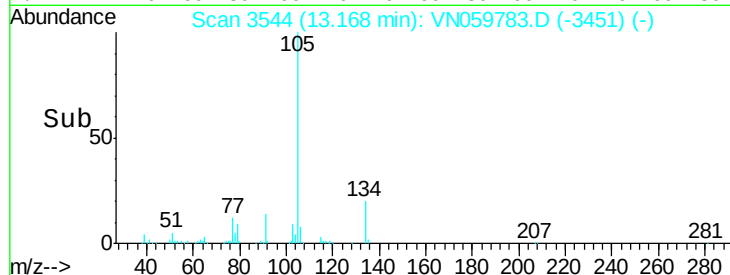
40000

20000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 19.570 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

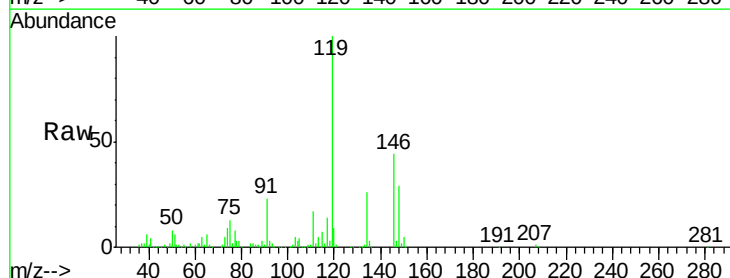
Tgt Ion:119 Resp: 158646

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.7

91 23.3 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

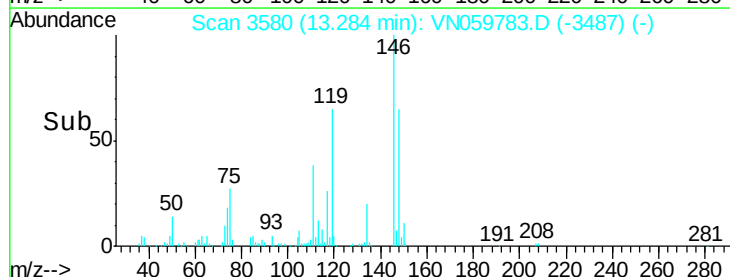
100000

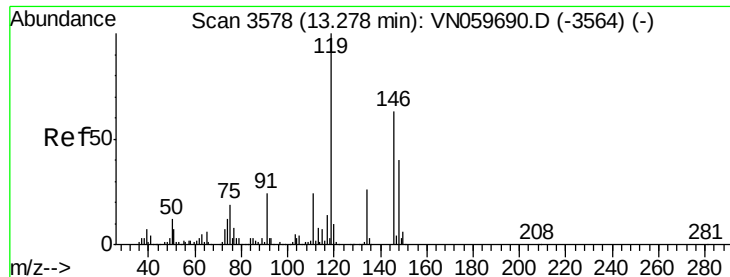
50000

0

13.20 13.25 13.30 13.35

Time-->





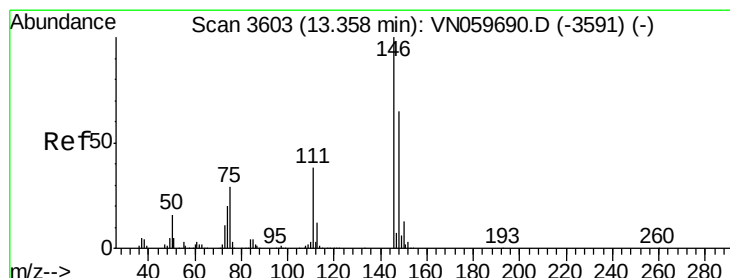
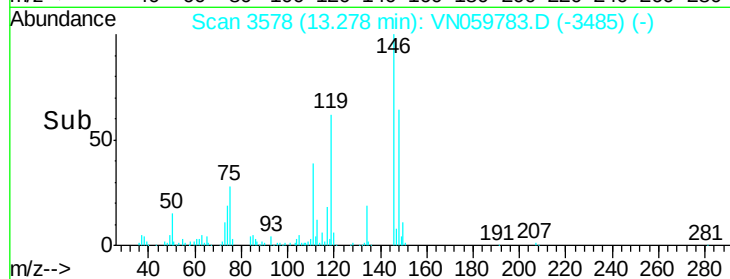
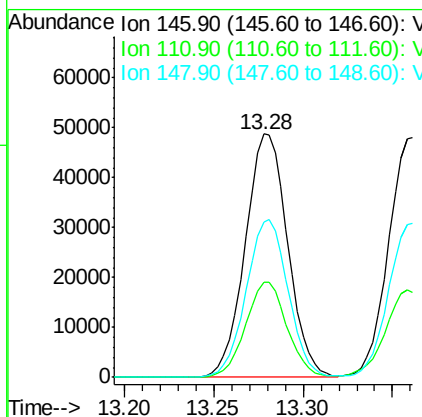
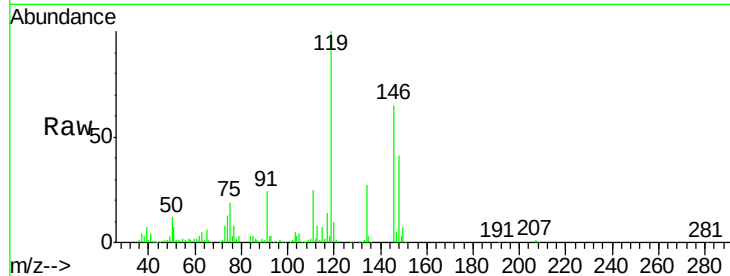
#87
 1,3-Dichlorobenzene
 Concen: 20.130 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN059783.D
 Acq: 20 Jan 2020 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0120MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	20.8	62.2
148	63.8	32.0	96.0

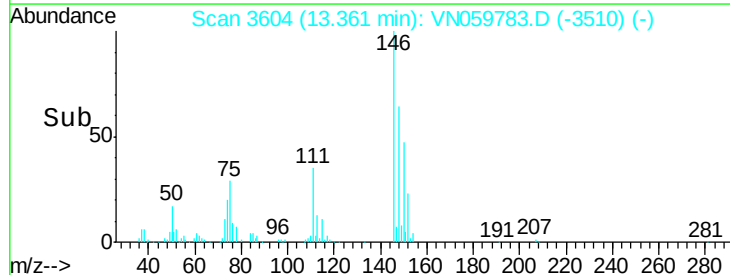
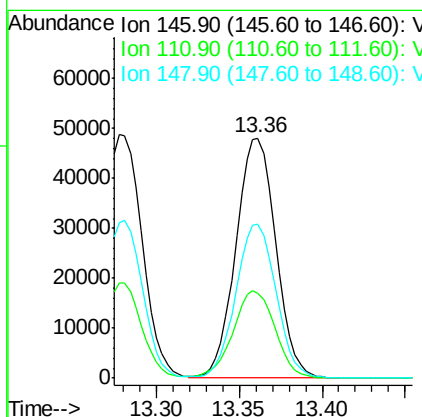
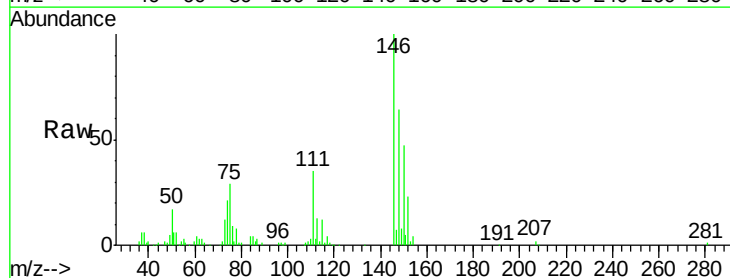
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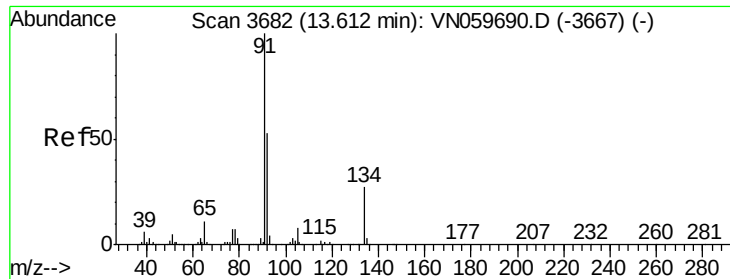
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#88
 1,4-Dichlorobenzene
 Concen: 20.092 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059783.D
 Acq: 20 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.8	62.2
148	64.9	31.8	95.4





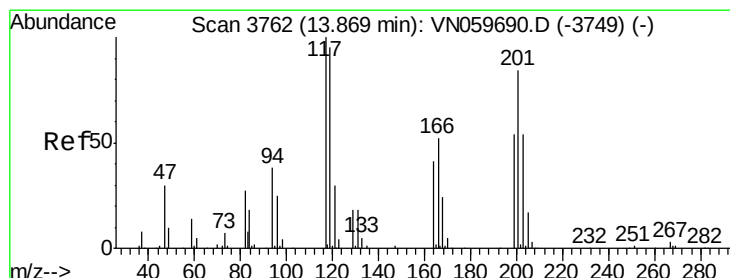
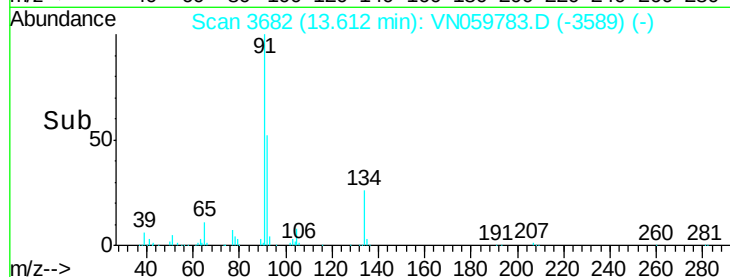
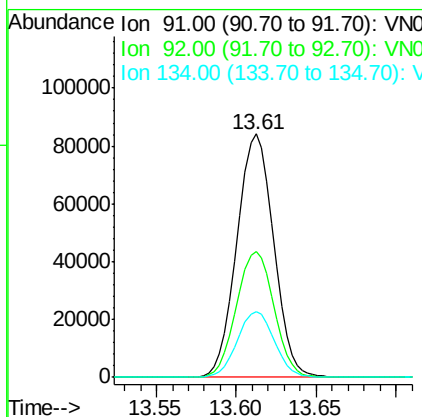
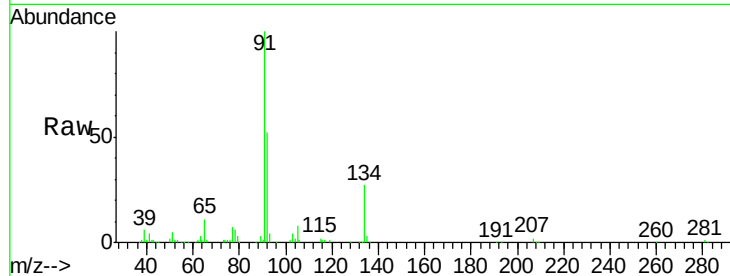
#89
n-Butylbenzene
Concen: 19.089 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Instrument :
MSVOA_N
ClientSampled :
VN0120MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	25.9	77.7
134	27.3	12.3	36.8

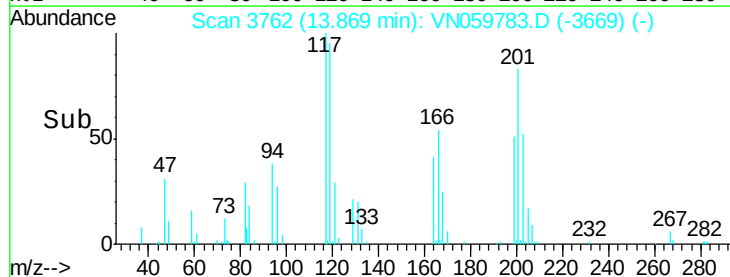
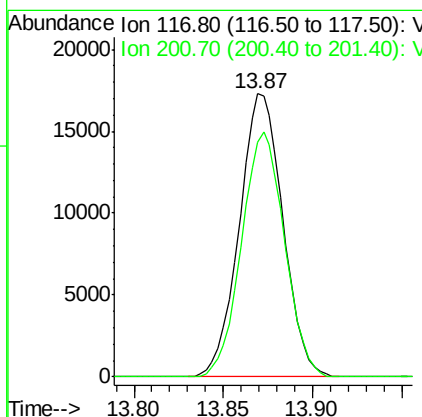
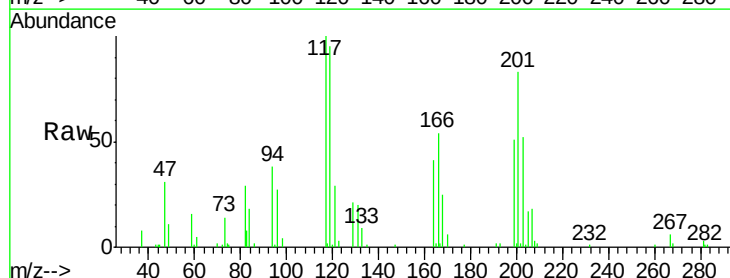
Manual Integrations
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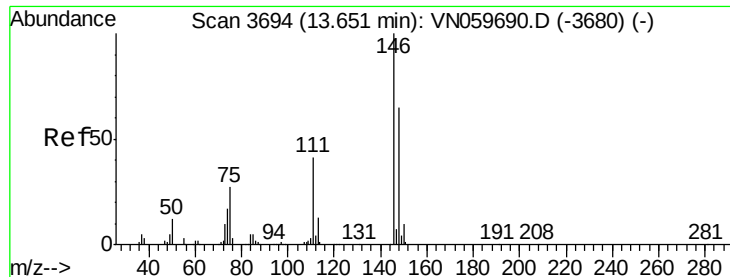
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#90
Hexachloroethane
Concen: 19.470 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059783.D
Acq: 20 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 20.420 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Instrument :

MSVOA_N

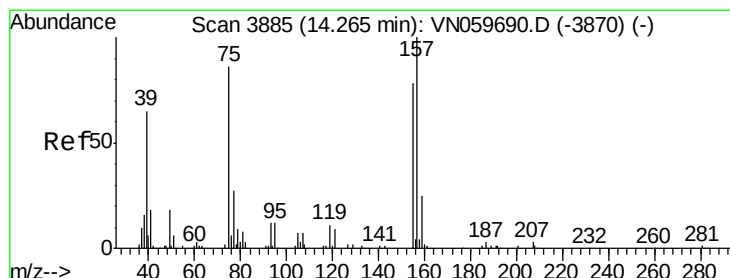
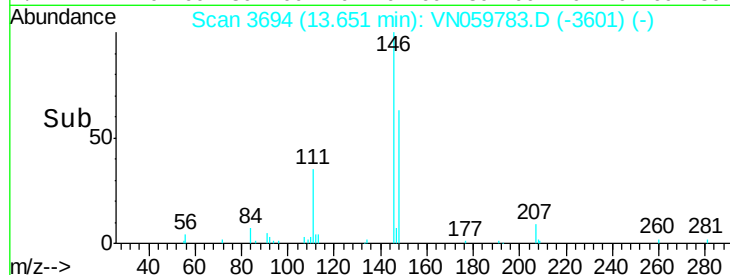
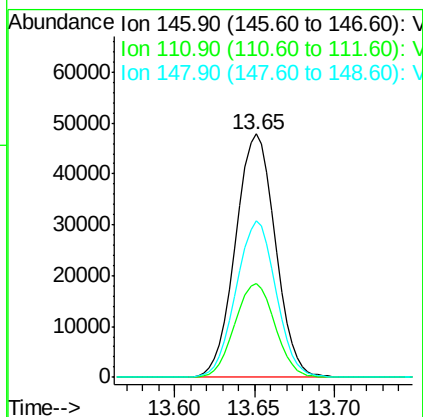
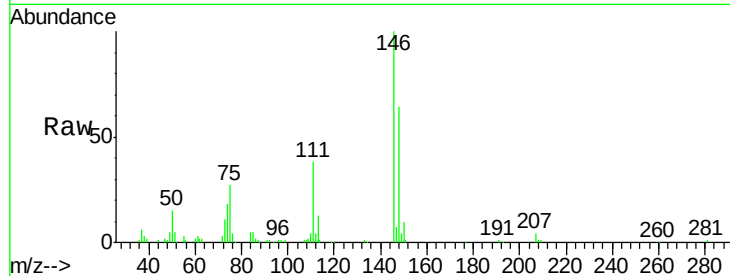
ClientSampleId :

VN0120MBSD01

Tot Ion:	146	Resp:	81409
Ion Ratio	Lower	Upper	
146	100		
111	38.9	21.6	64.8
148	64.5	31.6	95.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.662 ug/l

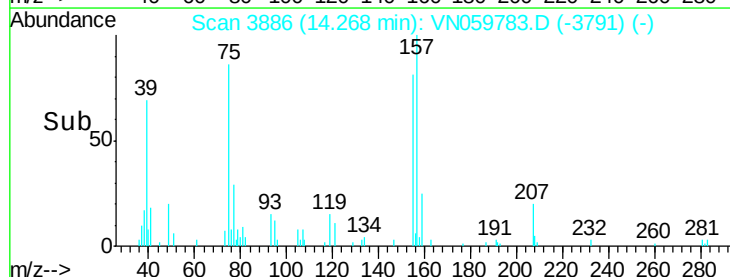
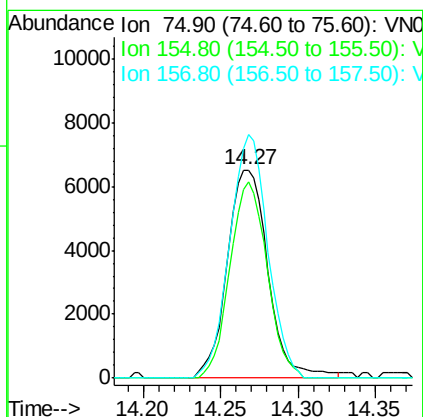
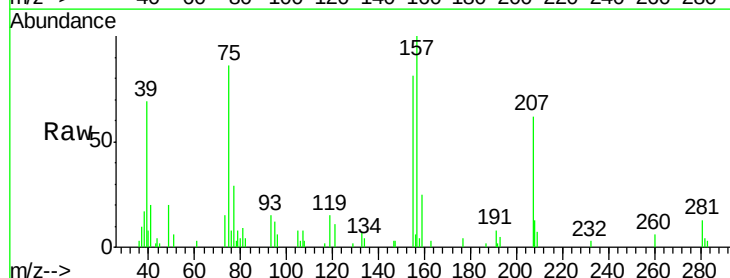
RT: 14.27 min Scan# 3886

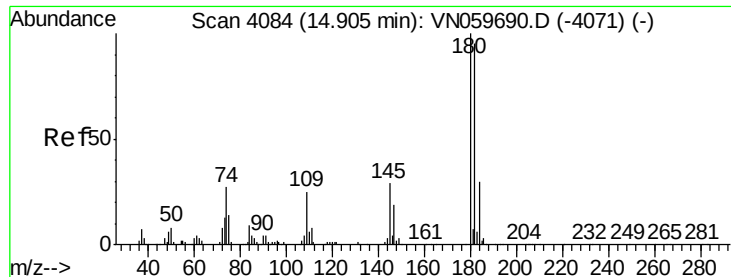
Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Tgt Ion:	75	Resp:	11939
Ion Ratio	Lower	Upper	
75	100		
155	85.4	37.0	110.9
157	108.9	48.4	145.2





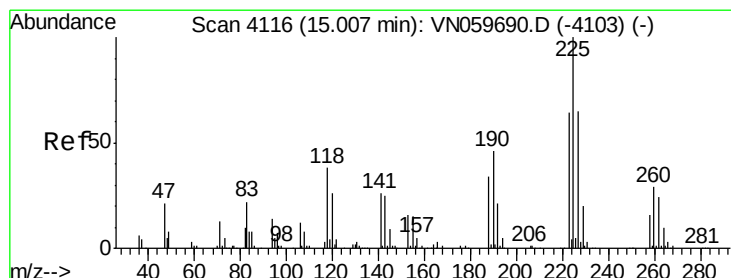
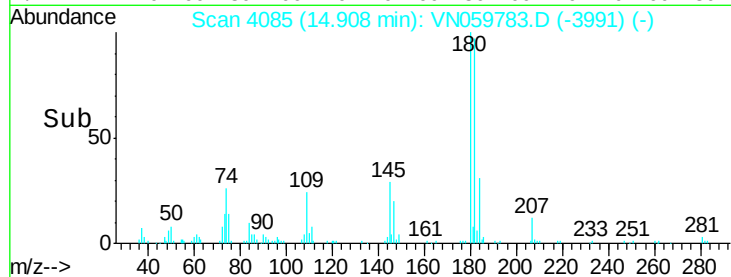
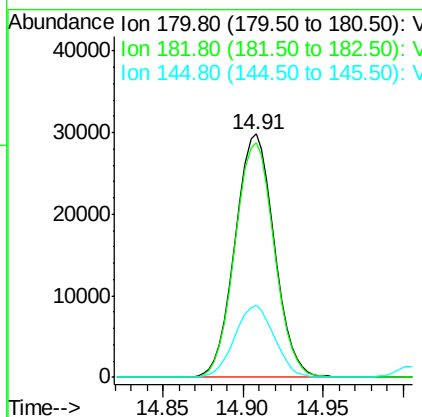
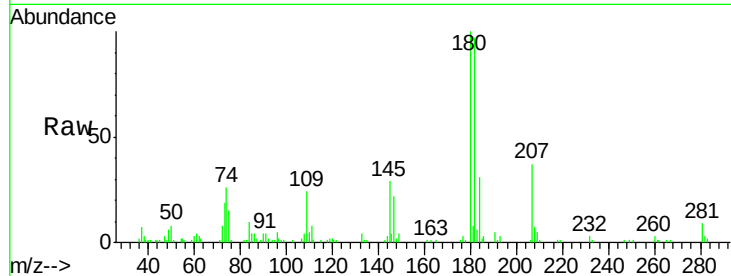
#93
 1,2,4-Trichlorobenzene
 Concen: 20.806 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059783.D
 Acq: 20 Jan 2020 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0120MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.9	140.7
145	29.7	15.0	45.1

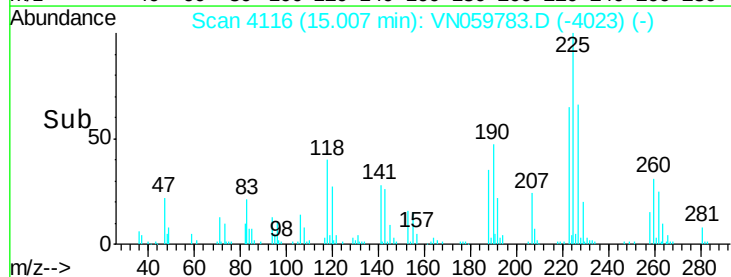
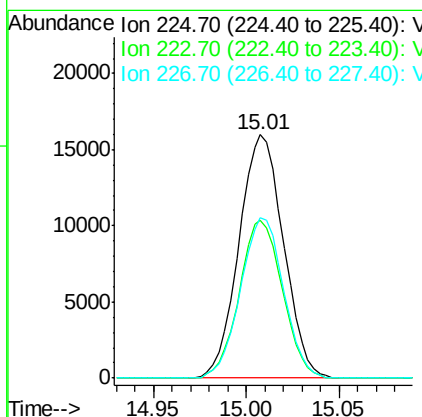
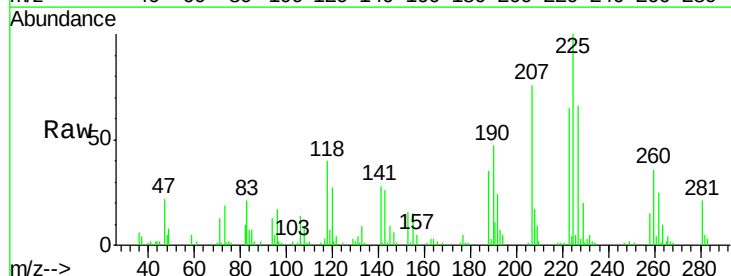
Manual Integrations
 APPROVED

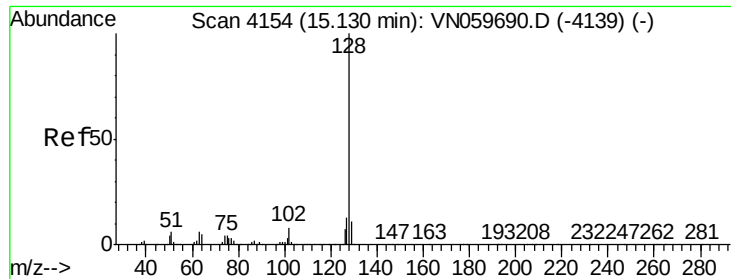
MMDadoda
 1/21/2020 11:01:11 AM



#94
 Hexachlorobutadiene
 Concen: 20.145 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059783.D
 Acq: 20 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.8	95.3
227	63.8	32.1	96.5





#95

Naphthalene

Concen: 20.615 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Instrument :

MSVOA_N

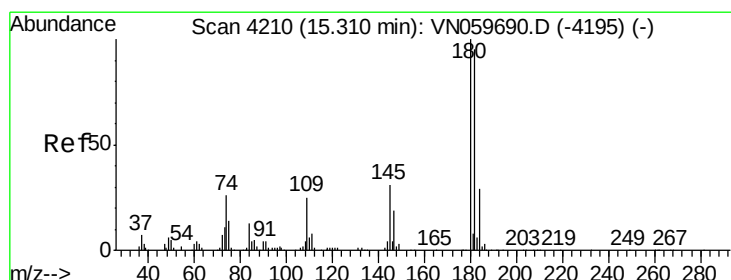
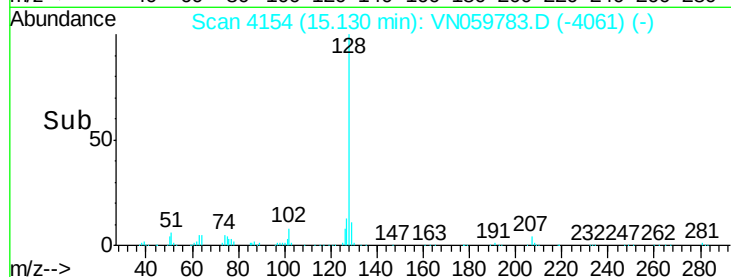
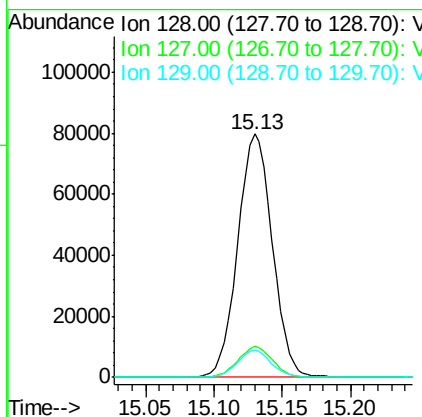
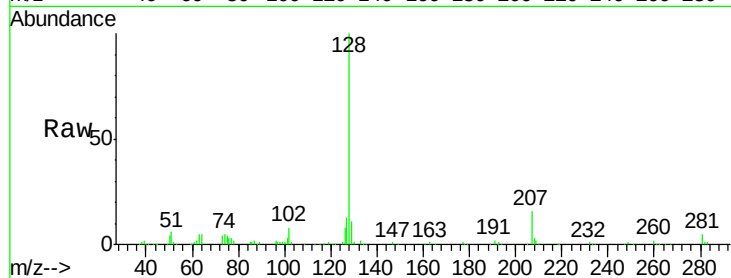
ClientSampleId :

VN0120MBSD01

Tot Ion:	128	Resp:	140473
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/21/2020 11:01:11 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.392 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059783.D

Acq: 20 Jan 2020 13:47

Tgt Ion:	180	Resp:	49883
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.4	142.3
145	30.9	16.3	48.9

