

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
 Data File : VN059813.D
 Acq On : 21 Jan 2020 17:11
 Operator : JC/MD
 Sample : VN0121MBS03
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS03

Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 11:15:10 AM

Quant Time: Jan 22 03:39:17 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	200644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	307909	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	275165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	129425	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	111703	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	7.56	113	94666	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
50) Toluene-d8	10.08	98	356689	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	125843	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	45875	19.069	ug/l	99
3) Chloromethane	2.04	50	42416	18.465	ug/l	99
4) Vinyl Chloride	2.17	62	53821	20.478	ug/l	98
5) Bromomethane	2.55	94	32975	20.558	ug/l	97
6) Chloroethane	2.69	64	24993	20.100	ug/l	98
7) Trichlorofluoromethane	3.00	101	64985	20.588	ug/l	99
8) Diethyl Ether	3.38	74	22528	20.337	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37494	21.343	ug/l	92
10) Methyl Iodide	3.93	142	55427	19.519	ug/l	95
11) Tert butyl alcohol	4.73	59	38099	101.569	ug/l	96
12) 1,1-Dichloroethene	3.71	96	35859	19.534	ug/l	88
13) Acrolein	3.58	56	16155	60.841	ug/l	100
14) Allyl chloride	4.29	41	46990	18.991	ug/l #	85
15) Acrylonitrile	4.94	53	85833	100.314	ug/l	99
16) Acetone	3.78	43	80329	99.680	ug/l	94
17) Carbon Disulfide	4.03	76	95699	18.301	ug/l	100
18) Methyl Acetate	4.29	43	51725	19.874	ug/l	91
19) Methyl tert-butyl Ether	5.00	73	122287	20.432	ug/l	94
20) Methylene Chloride	4.52	84	41032	19.566	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	37861	19.403	ug/l	88
22) Diisopropyl ether	5.91	45	111398	19.867	ug/l #	90
23) Vinyl Acetate	5.86	43	427873	98.558	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	67370	19.664	ug/l	97
25) 2-Butanone	6.80	43	115581	91.599	ug/l #	89
26) 2,2-Dichloropropane	6.80	77	65095	19.763	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	45259	20.166	ug/l	88
28) Bromochloromethane	7.17	49	27442	20.040	ug/l #	69
29) Tetrahydrofuran	7.18	42	73172	93.725	ug/l #	86
30) Chloroform	7.35	83	72836	20.518	ug/l	98
31) Cyclohexane	7.63	56	61075	18.526	ug/l	91
32) 1,1,1-Trichloroethane	7.54	97	67142	20.456	ug/l	96
36) 1,1-Dichloropropene	7.77	75	52700	19.654	ug/l	95
37) Ethyl Acetate	6.89	43	49070	19.512	ug/l	98
38) Carbon Tetrachloride	7.75	117	59264	20.318	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	65270	19.742	ug/l	90
40) Benzene	8.02	78	158815	19.860	ug/l	99
41) Methacrylonitrile	7.15	41	21571m	17.414	ug/l	
42) 1,2-Dichloroethane	8.10	62	56432	20.813	ug/l	96
43) Isopropyl Acetate	8.14	43	81153	18.761	ug/l #	93
44) Trichloroethene	8.82	130	46135	21.133	ug/l	93
45) 1,2-Dichloropropane	9.10	63	40582	20.508	ug/l	100
46) Dibromomethane	9.19	93	28708	20.566	ug/l	91
47) Bromodichloromethane	9.39	83	58236	20.703	ug/l	99
48) Methyl methacrylate	9.18	41	35759	18.481	ug/l	89
49) 1,4-Dioxane	9.18	88	15518	438.103	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	237395	94.936	ug/l	95
52) Toluene	10.14	92	101950	20.183	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	62881	20.020	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	67670	20.476	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	42045	21.017	ug/l	96
56) Ethyl methacrylate	10.42	69	57972	18.964	ug/l	93
57) 1,3-Dichloropropane	10.70	76	65001	20.465	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	96332	104.625	ug/l	91
59) 2-Hexanone	10.74	43	173943	94.422	ug/l	95
60) Dibromochloromethane	10.89	129	47271	20.750	ug/l	99
61) 1,2-Dibromoethane	10.99	107	42760	20.393	ug/l	100
64) Tetrachloroethene	10.62	164	45902	20.468	ug/l	95
65) Chlorobenzene	11.43	112	112576	20.815	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	44248	21.173	ug/l	99
67) Ethyl Benzene	11.50	91	198586	20.227	ug/l	97
68) m/p-Xylenes	11.62	106	151858	40.946	ug/l	93
69) o-Xylene	11.94	106	74626	20.553	ug/l	93
70) Styrene	11.96	104	119283	19.633	ug/l	97
71) Bromoform	12.12	173	34857	20.823	ug/l #	98
73) Isopropylbenzene	12.24	105	201042	21.180	ug/l	99
74) N-amyl acetate	12.07	43	68068	18.481	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	55123	20.032	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	50255m	23.073	ug/l	
77) Bromobenzene	12.52	156	50387	20.962	ug/l	80
78) n-propylbenzene	12.59	91	217333	20.400	ug/l	96
79) 2-Chlorotoluene	12.67	91	129386	20.415	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	165709	20.758	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	20228	19.944	ug/l	93
82) 4-Chlorotoluene	12.77	91	131175	20.635	ug/l	96
83) tert-Butylbenzene	12.99	119	143554	20.793	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	164183	20.789	ug/l	99
85) sec-Butylbenzene	13.17	105	187118	20.628	ug/l	98
86) p-Isopropyltoluene	13.28	119	171925	20.484	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	86791	20.786	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	86827	20.845	ug/l	98
89) n-Butylbenzene	13.61	91	143399	20.038	ug/l	99
90) Hexachloroethane	13.87	117	31664	20.163	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	85693	20.760	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11914	18.872	ug/l	81

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VN0121MBS03

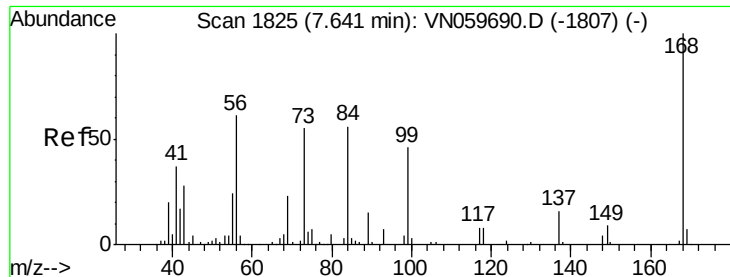
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	50063	20.184	ug/l	98
94) Hexachlorobutadiene	15.01	225	27785	20.328	ug/l	98
95) Naphthalene	15.13	128	136719	19.379	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	49858	20.651	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: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS03

Tot Ion:168 Resp: 200644

Ion Ratio Lower Upper

168 100

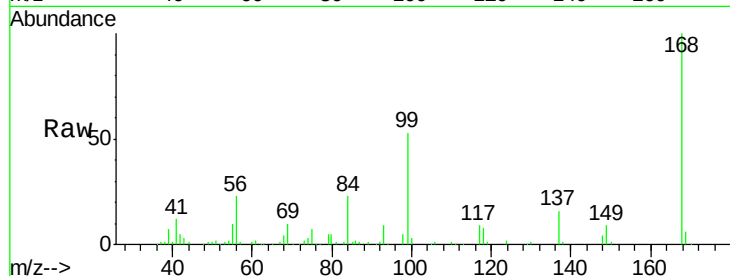
99 53.1 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

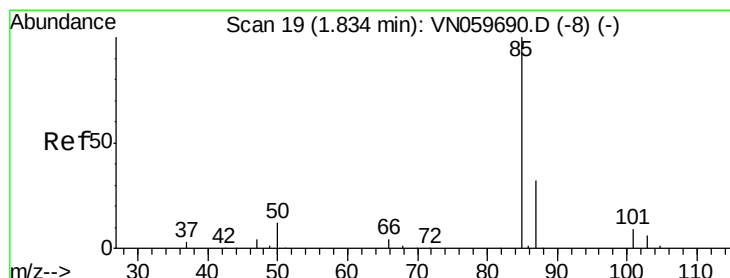
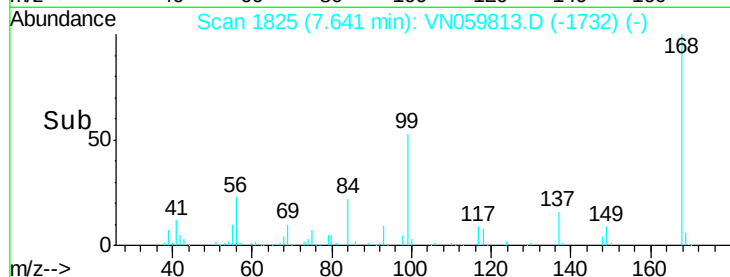
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.069 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059813.D

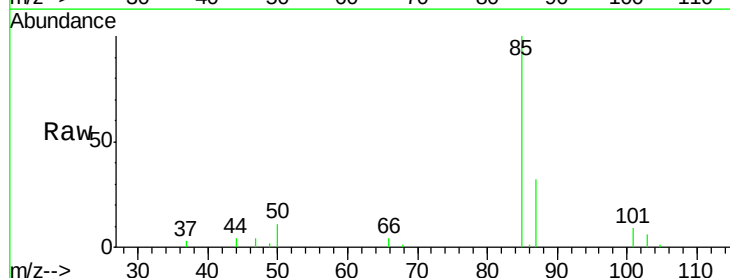
Acq: 21 Jan 2020 17:11

Tgt Ion: 85 Resp: 45875

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

30000

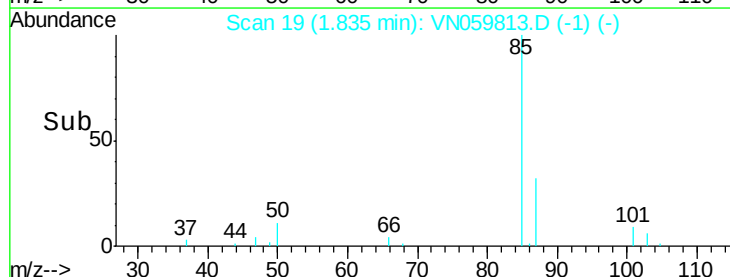
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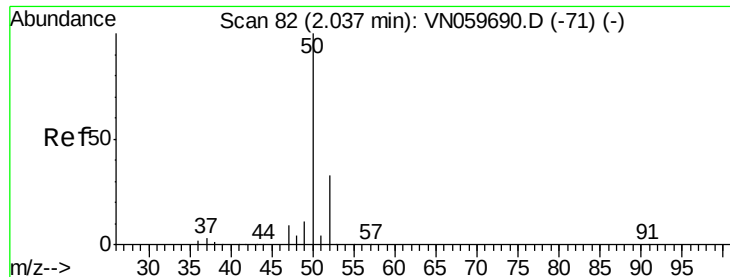
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.465 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS03

Tot Ion: 50 Resp: 42416

Ion Ratio Lower Upper

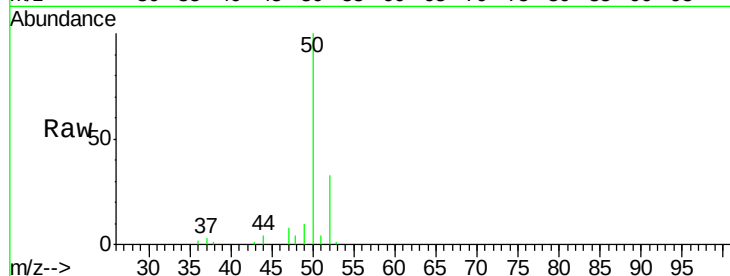
50 100

52 32.9 25.9 38.9

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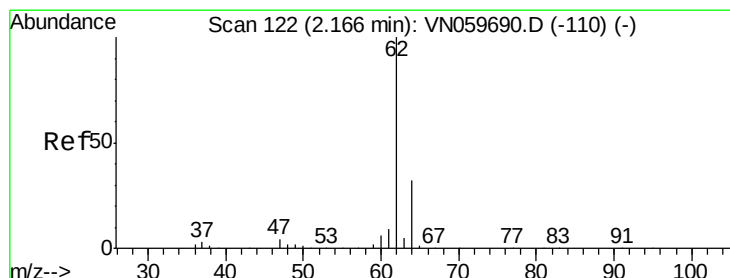
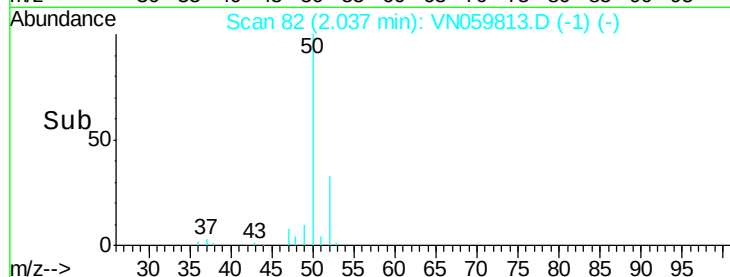
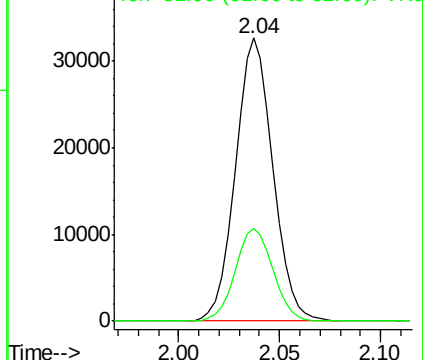
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.478 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059813.D

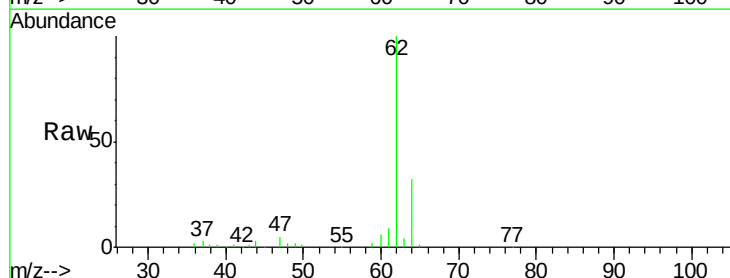
Acq: 21 Jan 2020 17:11

Tgt Ion: 62 Resp: 53821

Ion Ratio Lower Upper

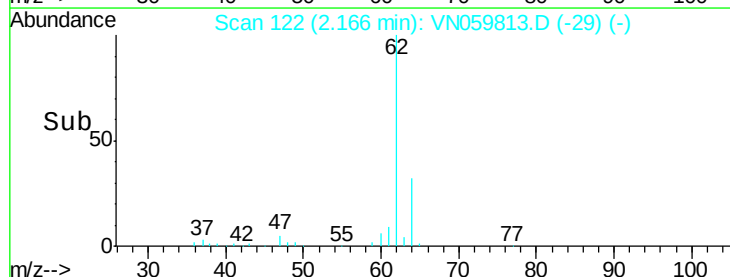
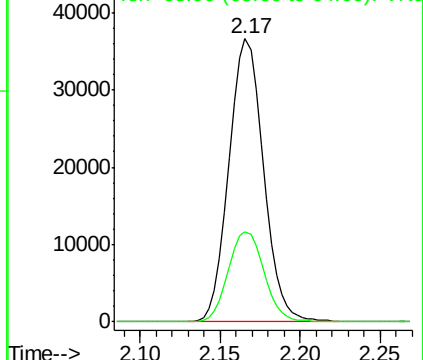
62 100

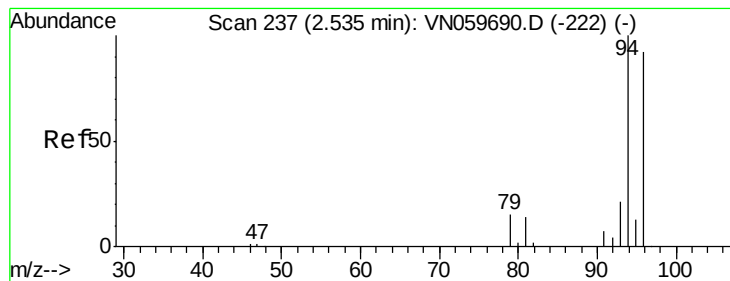
64 32.0 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.558 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS03

Tot Ion: 94 Resp: 32975

Ion Ratio Lower Upper

94 100

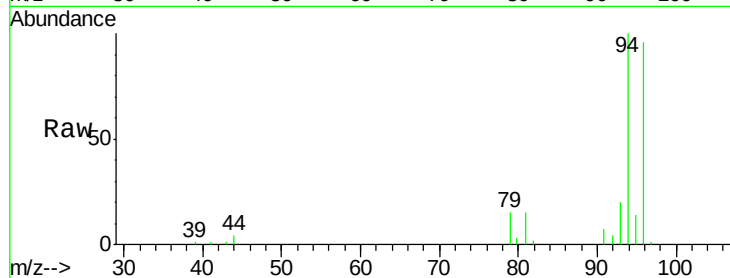
96 96.1 74.7 112.1

Manual Integrations

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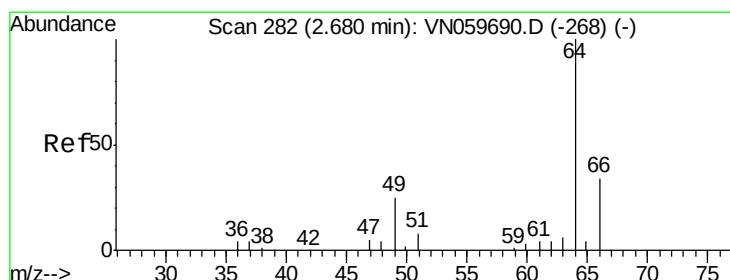
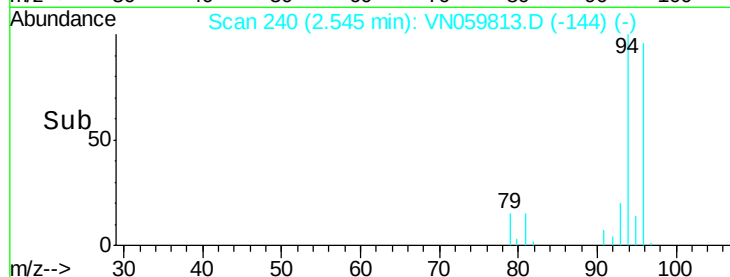
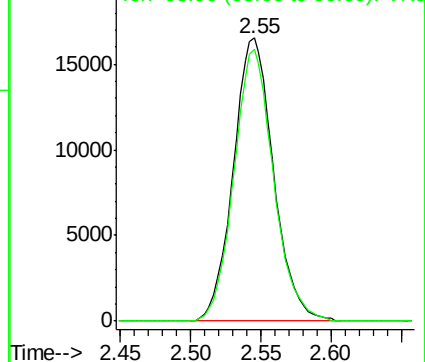
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.100 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059813.D

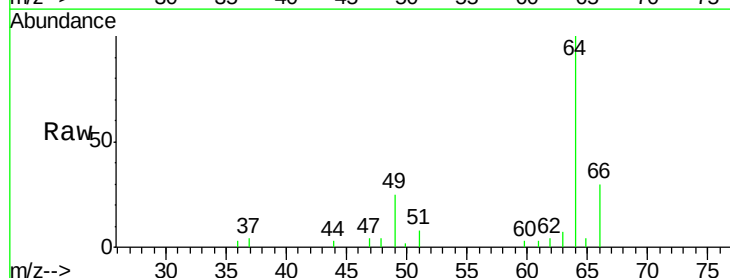
Acq: 21 Jan 2020 17:11

Tgt Ion: 64 Resp: 24993

Ion Ratio Lower Upper

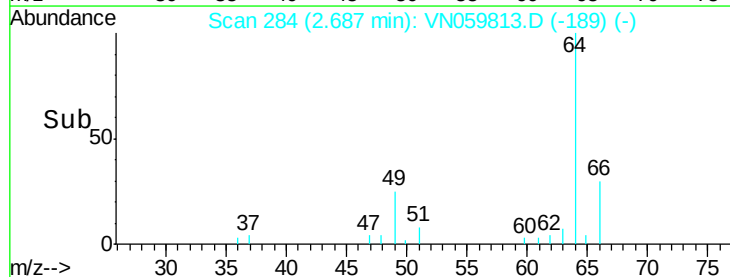
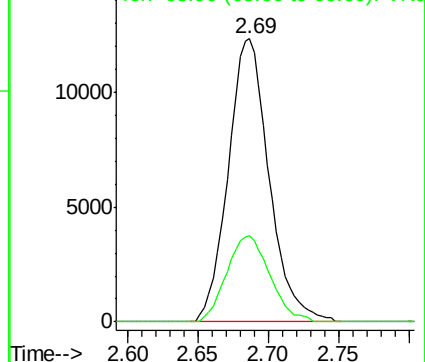
64 100

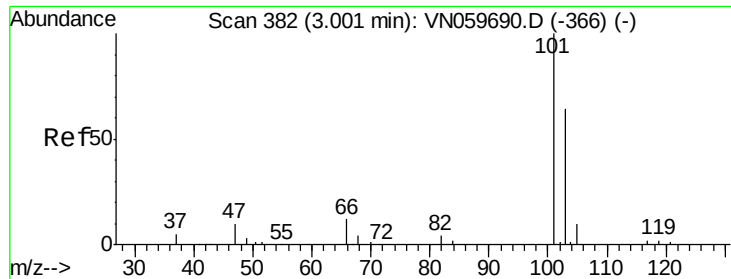
66 30.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

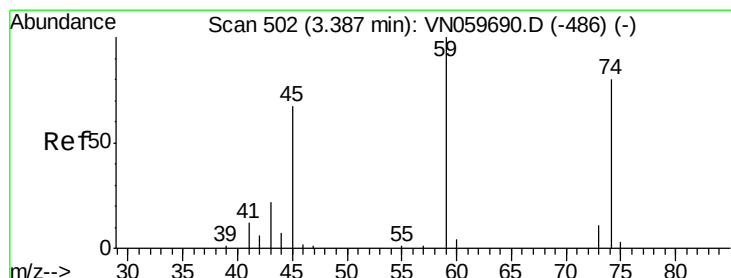
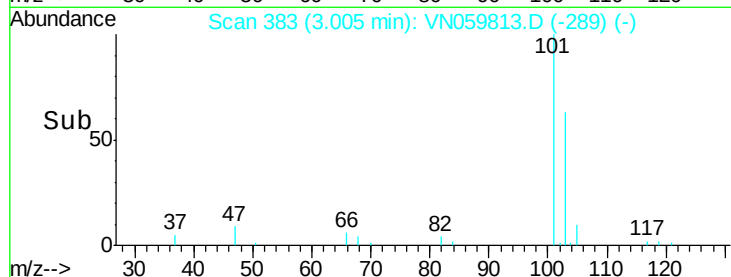
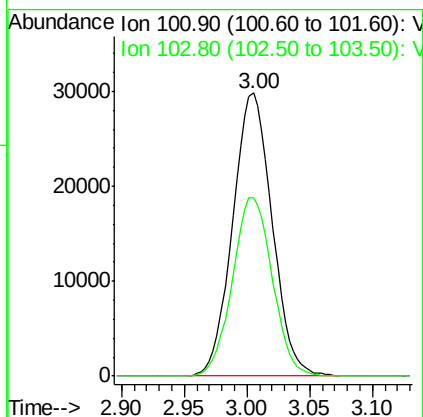
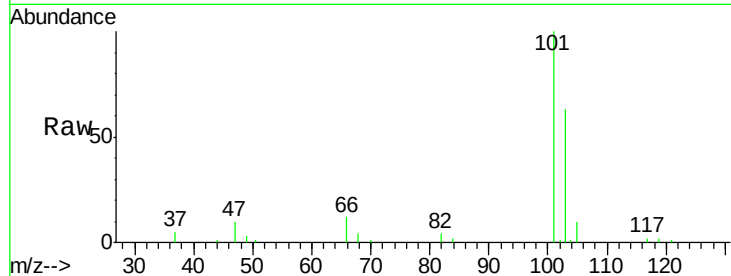
Trichlorofluoromethane
Concen: 20.588 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
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ClientSampleId :
VN0121MBS03

Tot Ion:101 Resp: 64985
Ion Ratio Lower Upper
101 100
103 62.9 51.0 76.6

Manual Integrations
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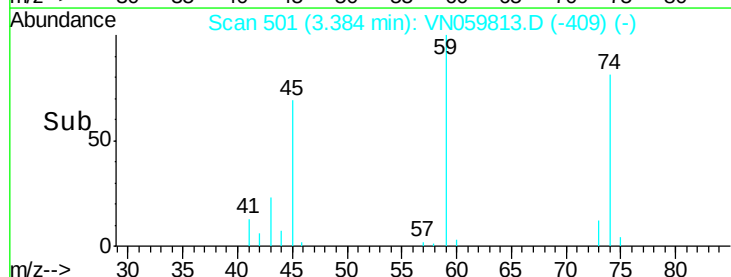
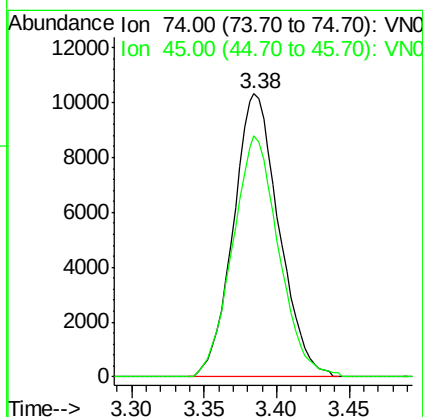
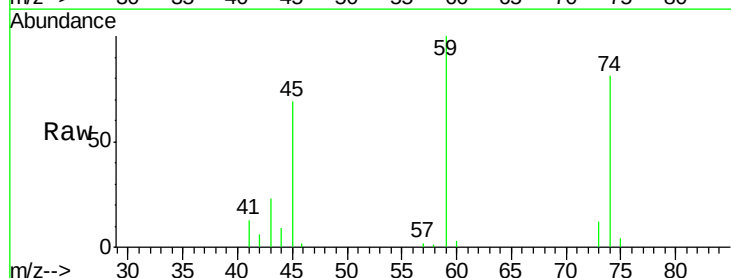
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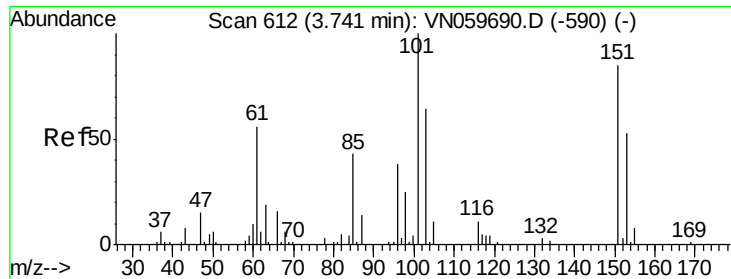


#8

Diethyl Ether
Concen: 20.337 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion: 74 Resp: 22528
Ion Ratio Lower Upper
74 100
45 85.8 51.9 155.8





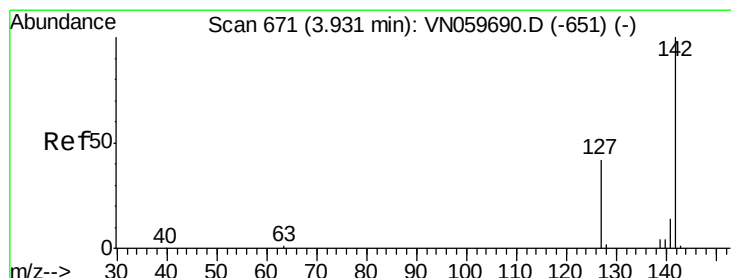
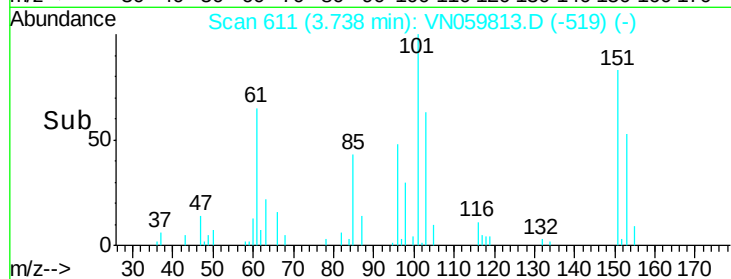
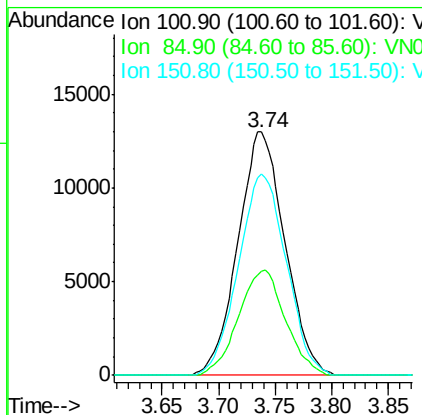
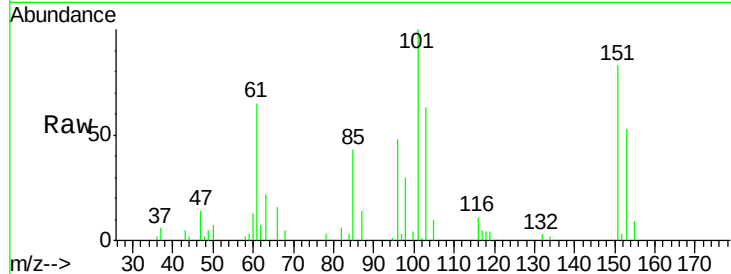
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.343 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS03

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.2	36.6	54.8
151	84.1	59.7	89.5

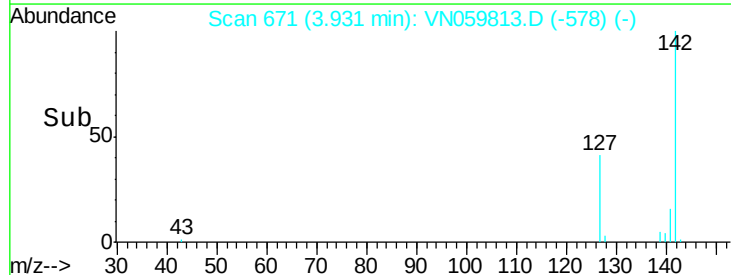
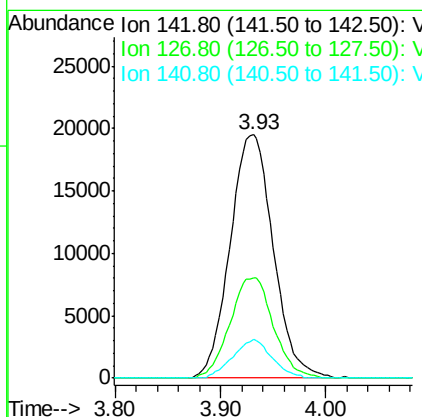
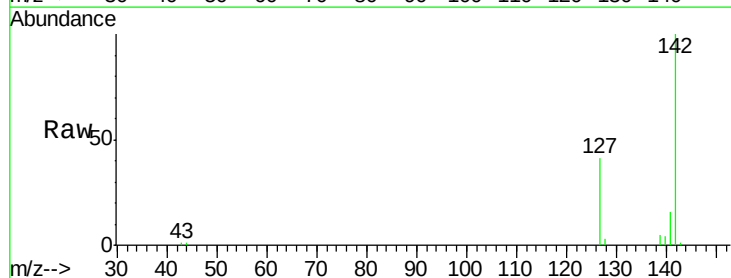
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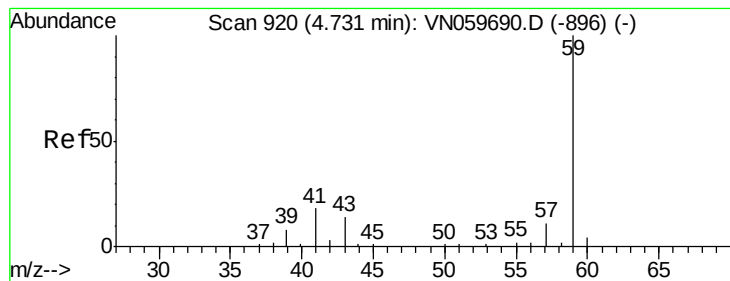
MMDadoda
1/22/2020 11:15:10 AM



#10
Methyl Iodide
Concen: 19.519 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.4	36.7	55.1
141	14.4	11.7	17.5





#11

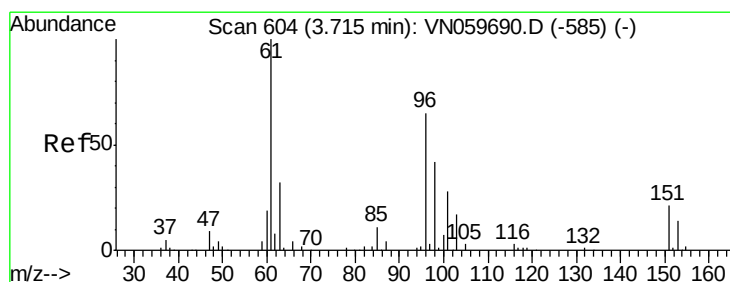
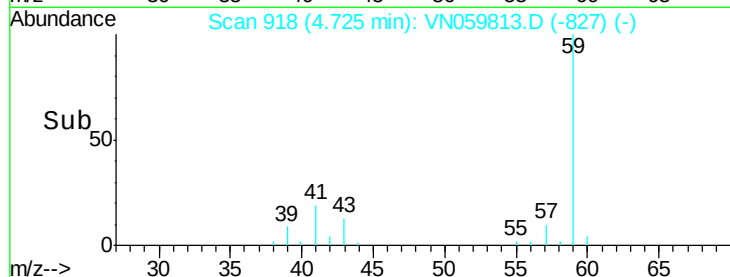
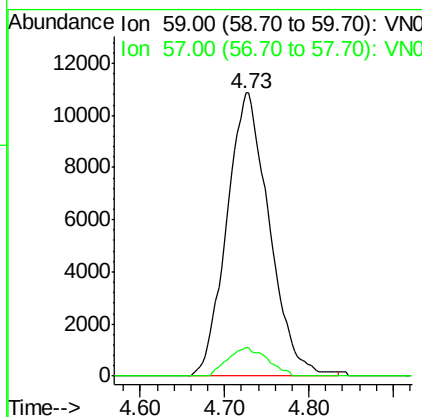
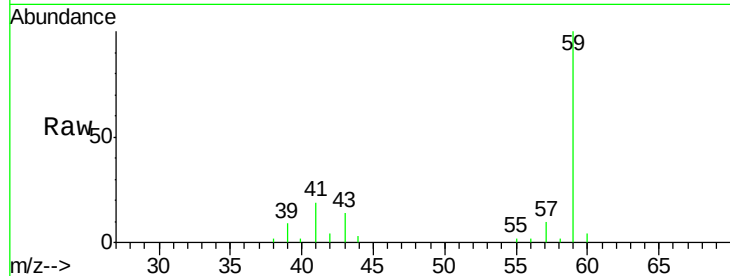
Tert butyl alcohol
 Concen: 101.569 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS03

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.6	12.8

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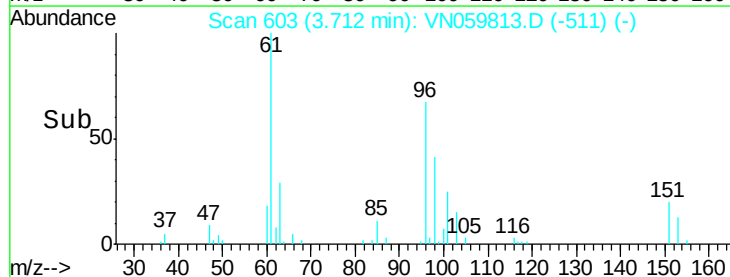
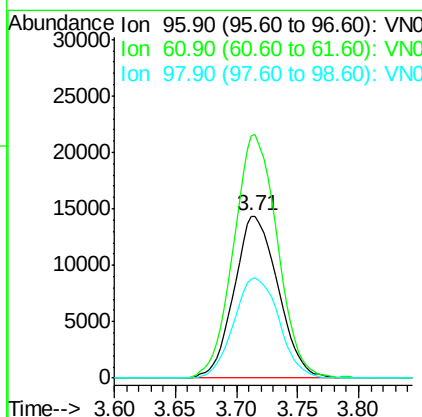
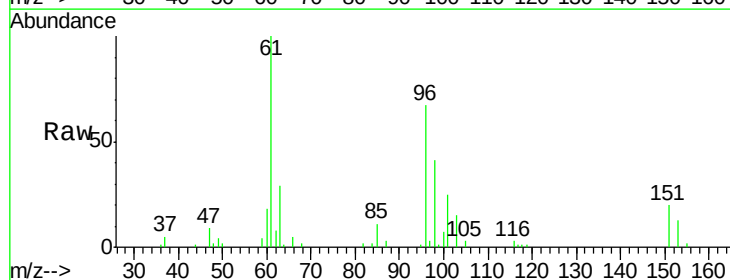
MMDadoda
 1/22/2020 11:15:10 AM

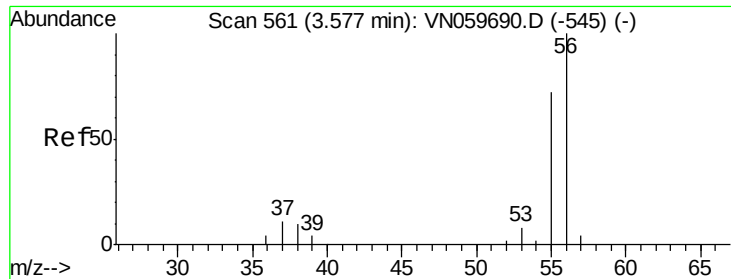


#12

1,1-Dichloroethene
 Concen: 19.534 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.4	137.5	206.3
98	61.3	50.2	75.4





#13

Acrolein

Concen: 60.841 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS03

Tot Ion: 56 Resp: 16155

Ion Ratio Lower Upper

56 100

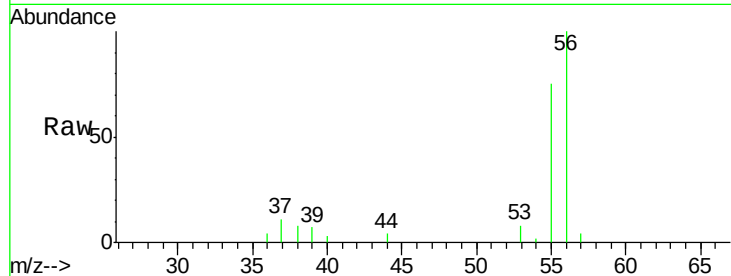
55 72.9 58.6 88.0

Manual Integrations

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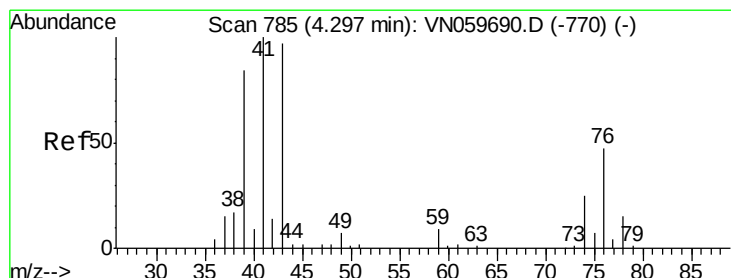
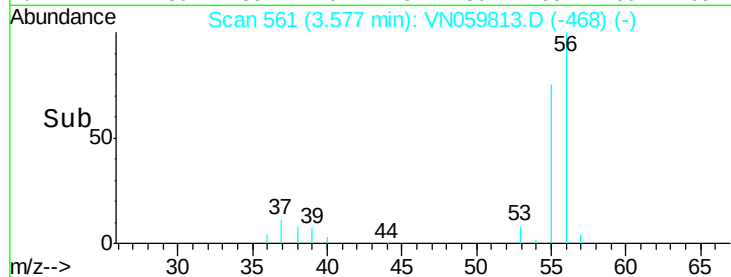
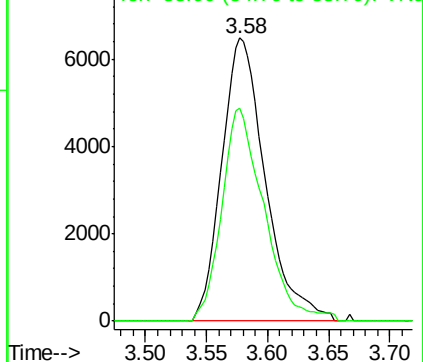
MMDadoda

1/22/2020 11:15:10 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.991 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

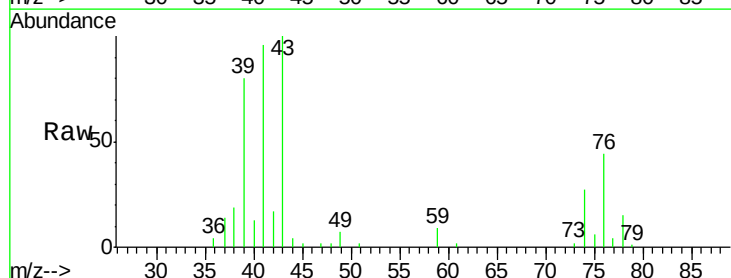
Tgt Ion: 41 Resp: 46990

Ion Ratio Lower Upper

41 100

39 81.3 57.8 86.8

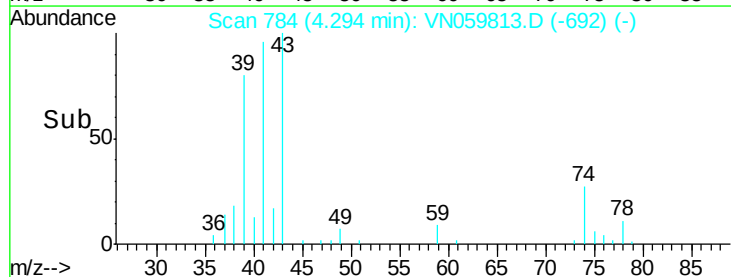
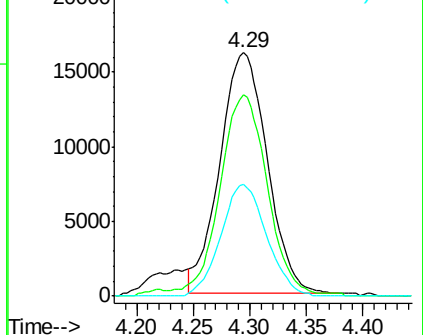
76 44.8 25.4 38.0#

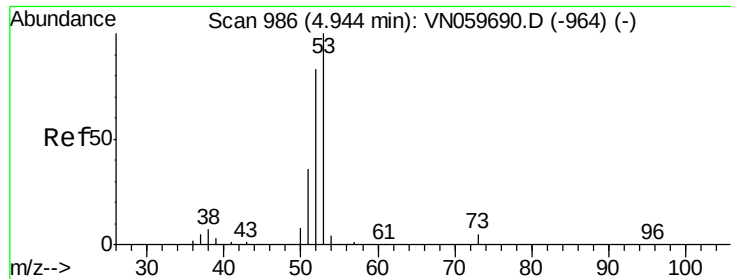


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 100.314 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

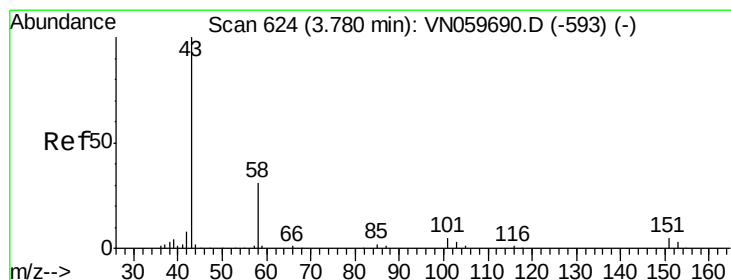
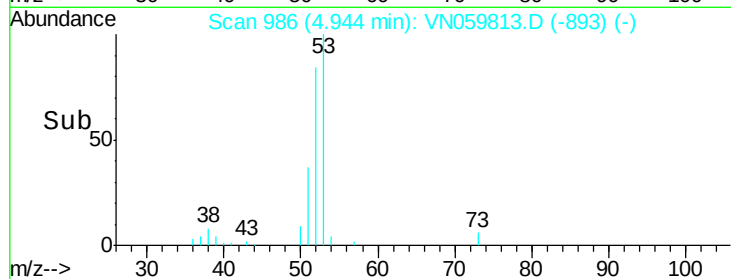
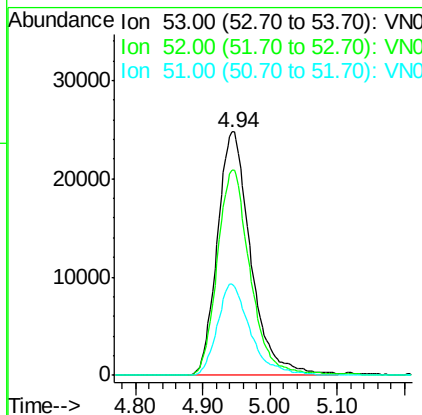
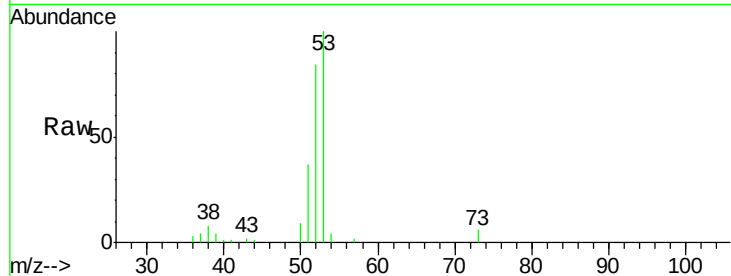
ClientSampleId :

VN0121MBS03

Tot Ion:	53	Resp:	85833
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.3	99.5
51	37.1	29.7	44.5

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#16

Acetone

Concen: 99.680 ug/l

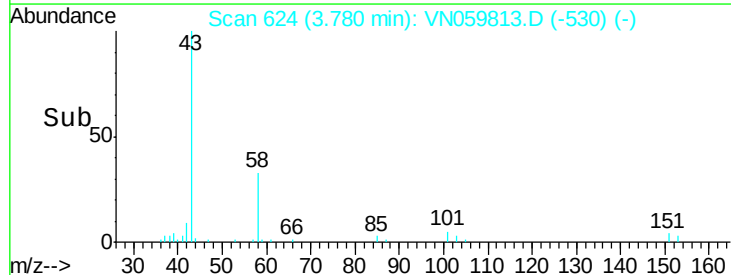
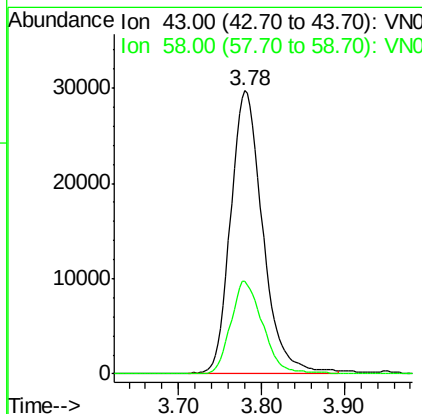
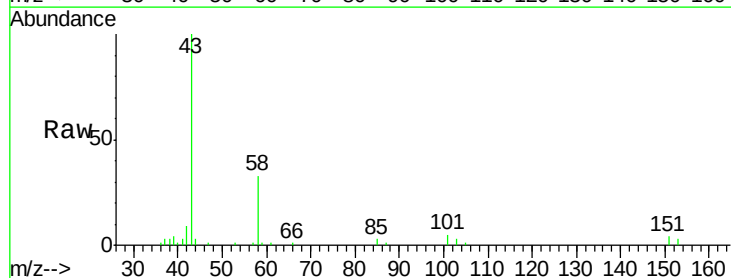
RT: 3.78 min Scan# 624

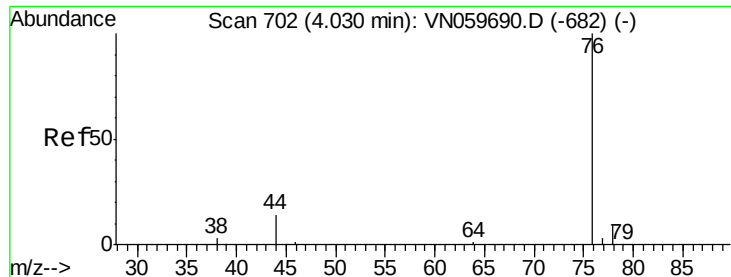
Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Tgt Ion:	43	Resp:	80329
Ion Ratio	Lower	Upper	
43	100		
58	32.8	23.6	35.4





#17

Carbon Disulfide

Concen: 18.301 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS03

Tot Ion: 76 Resp: 95699

Ion Ratio Lower Upper

76 100

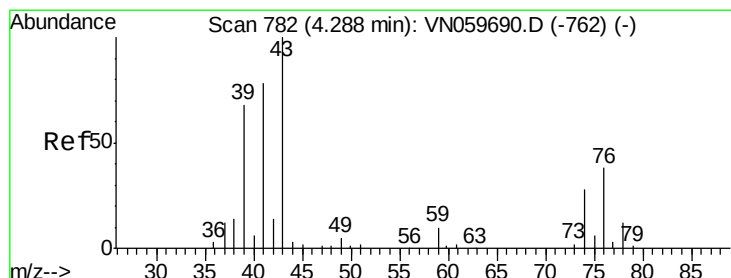
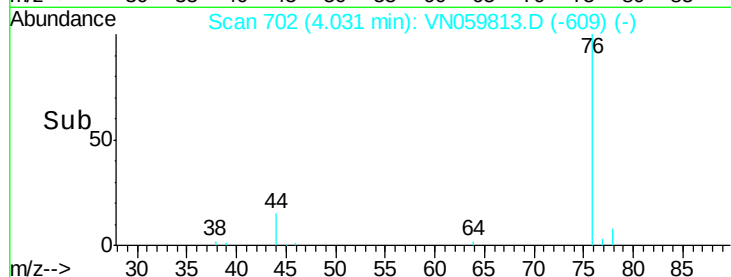
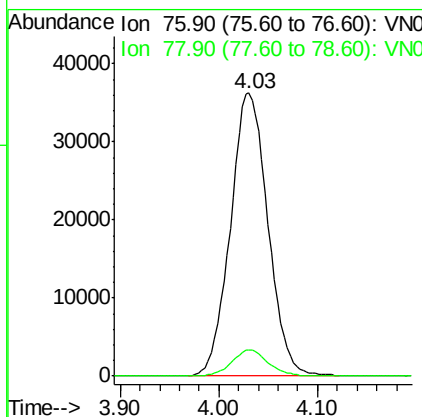
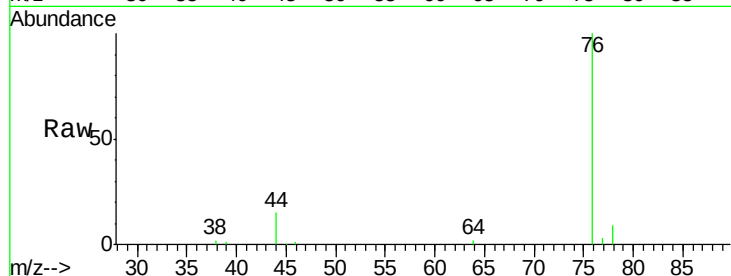
78 9.2 7.4 11.0

Manual Integrations

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1/22/2020 11:15:10 AM



#18

Methyl Acetate

Concen: 19.874 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN059813.D

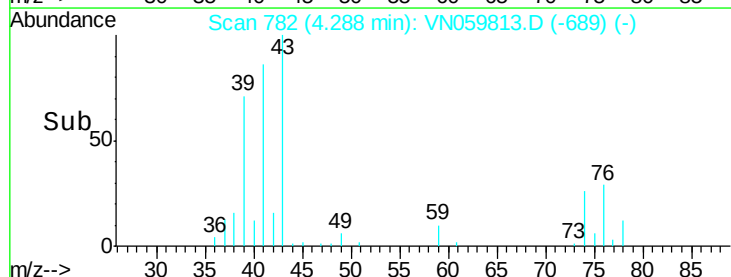
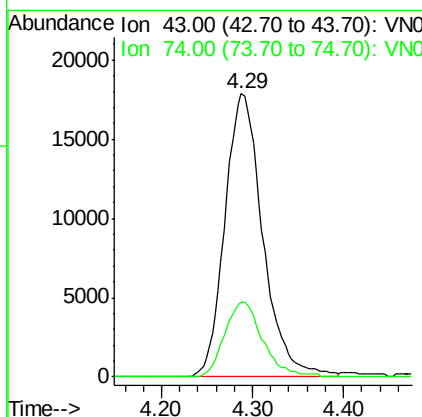
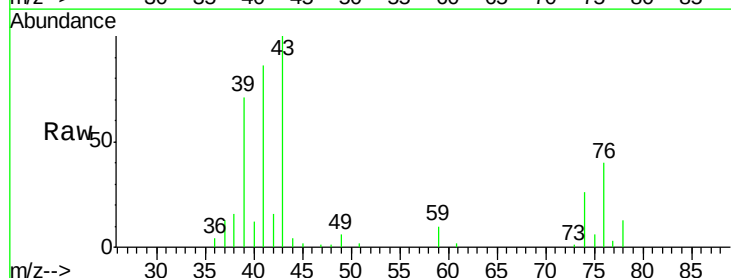
Acq: 21 Jan 2020 17:11

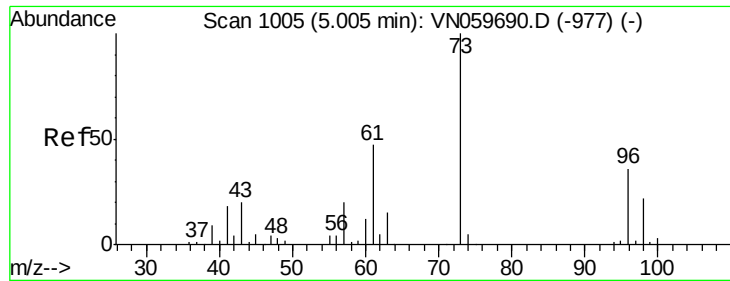
Tgt Ion: 43 Resp: 51725

Ion Ratio Lower Upper

43 100

74 26.1 17.5 26.3





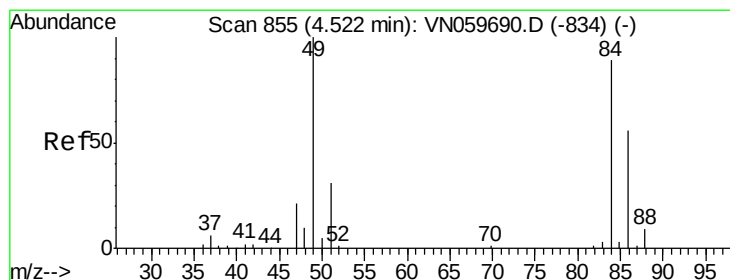
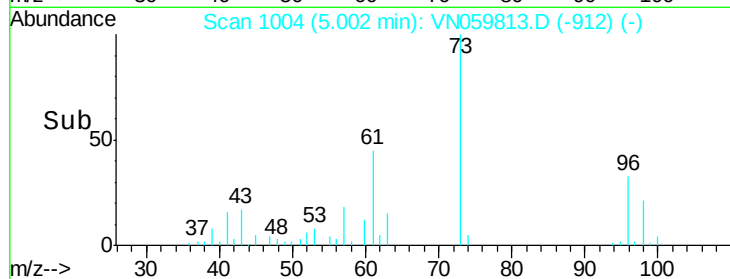
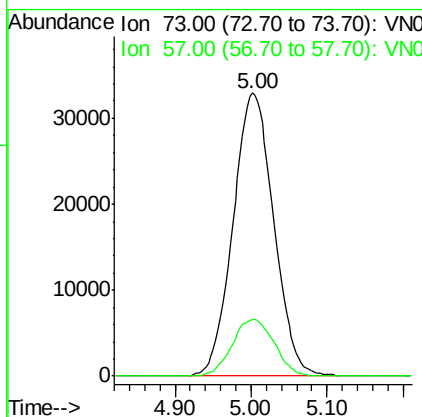
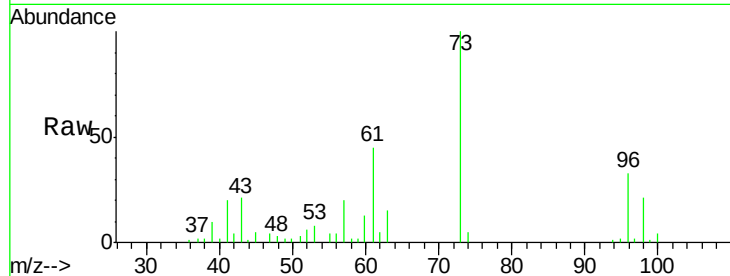
#19
Methyl tert-butyl Ether
Concen: 20.432 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS03

Tot Ion: 73 Resp: 122287
Ion Ratio Lower Upper
73 100
57 20.1 18.6 27.8

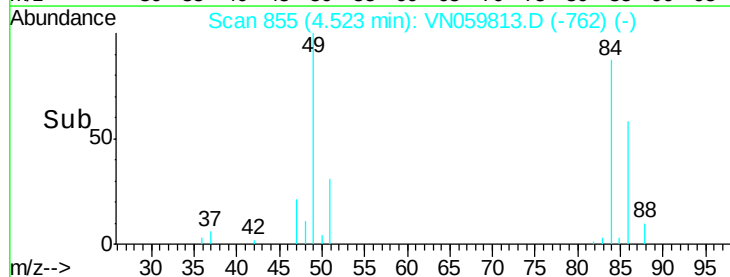
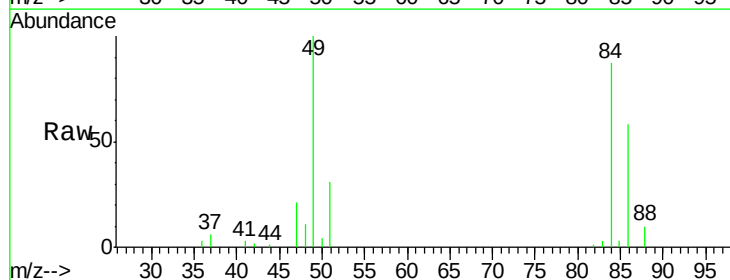
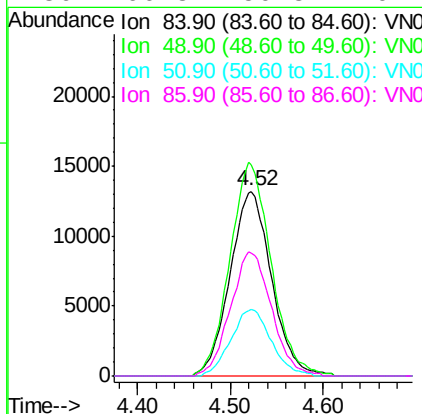
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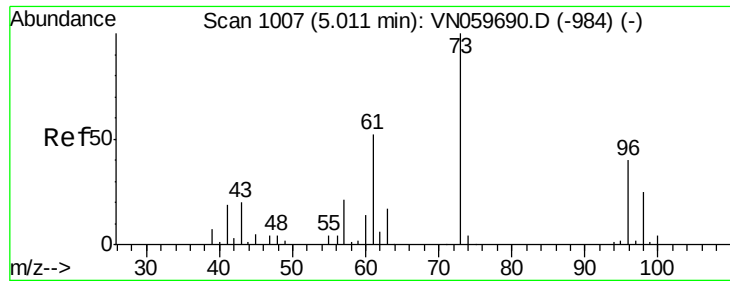
MMDadoda
1/22/2020 11:15:10 AM



#20
Methylene Chloride
Concen: 19.566 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion: 84 Resp: 41032
Ion Ratio Lower Upper
84 100
49 114.8 106.6 160.0
51 36.0 31.9 47.9
86 66.8 50.8 76.2





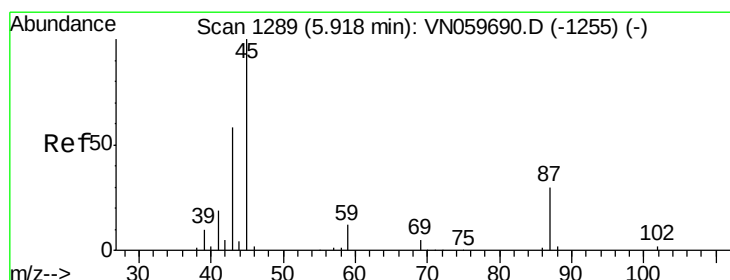
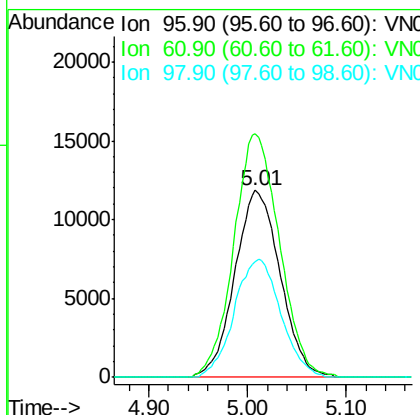
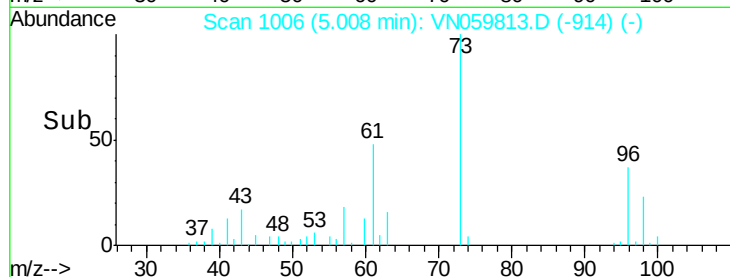
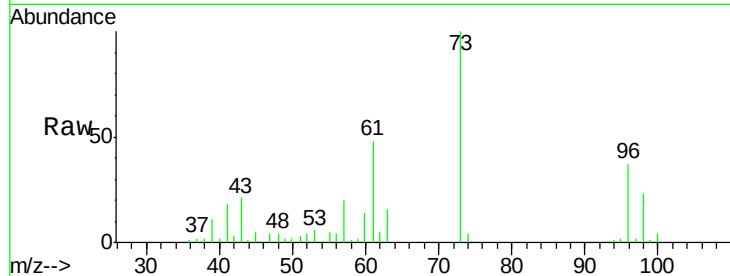
#21
trans-1,2-Dichloroethene
Concen: 19.403 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.2	120.4	180.6
98	62.1	50.6	75.8

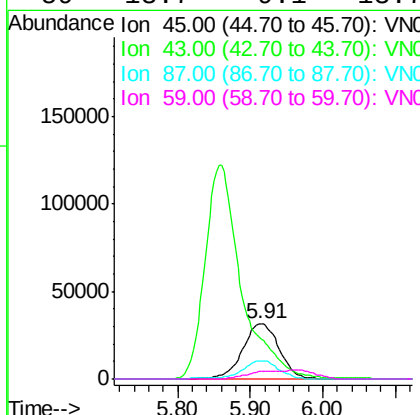
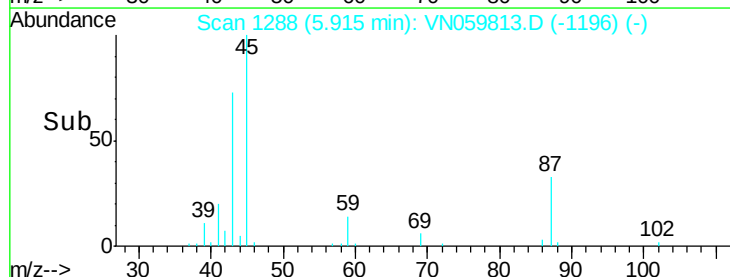
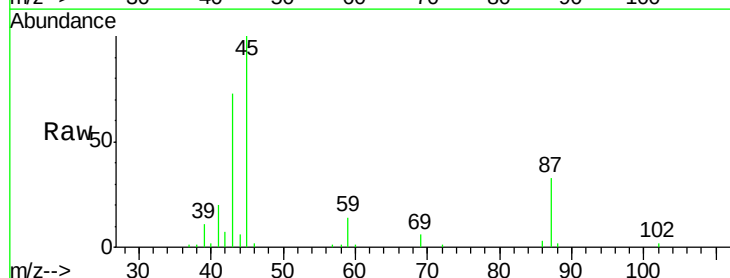
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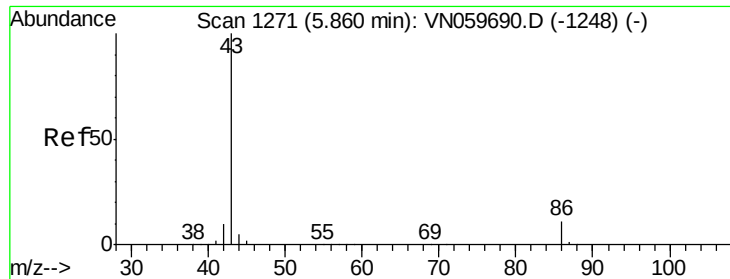
MMDadoda
1/22/2020 11:15:10 AM



#22
Diisopropyl ether
Concen: 19.867 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.5	50.8	76.2
87	33.3	21.0	31.6#
59	13.7	9.1	13.7#





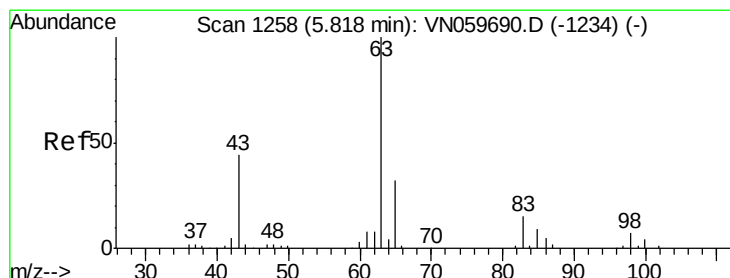
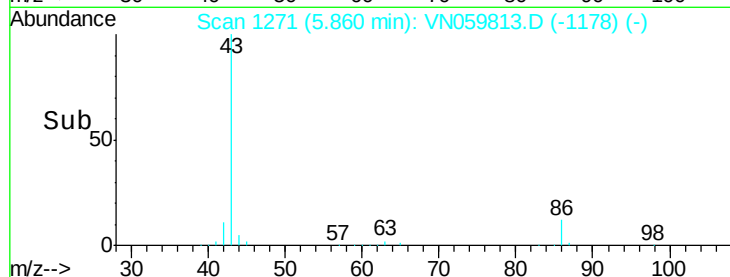
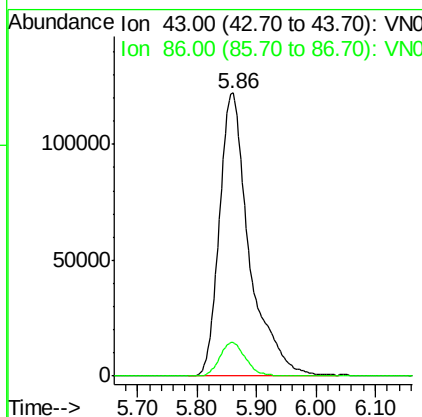
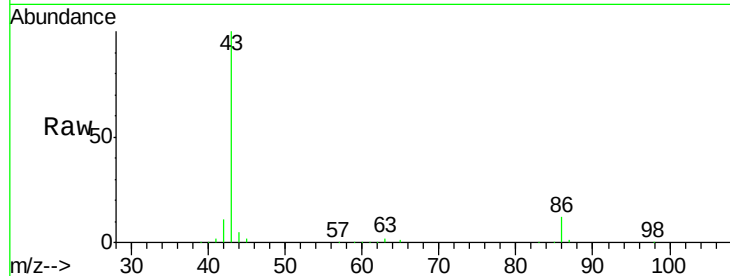
#23
 Vinyl Acetate
 Concen: 98.558 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0121MBS03

Tot Ion: 43 Resp: 427873
 Ion Ratio Lower Upper
 43 100
 86 11.8 7.6 11.4#

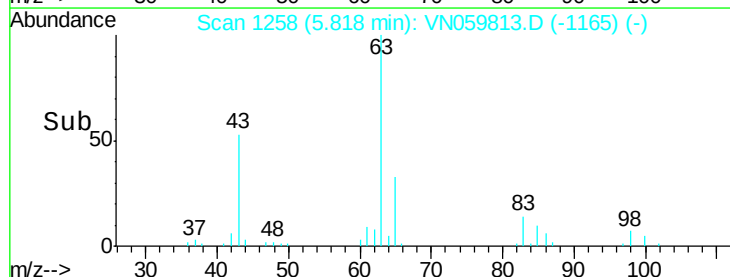
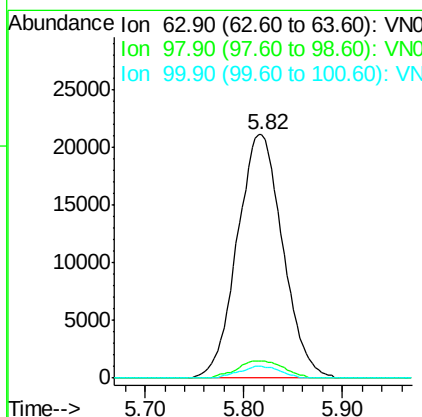
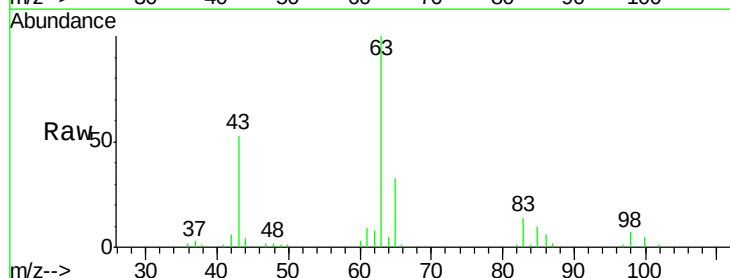
Manual Integrations
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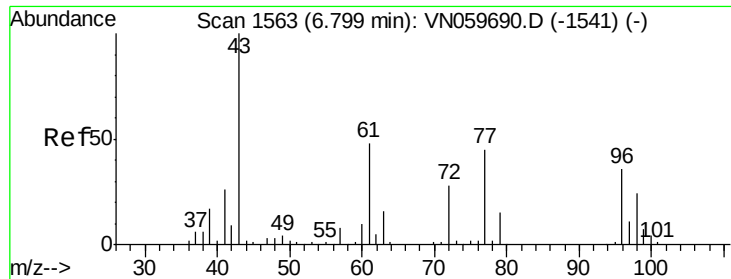
MMDadoda
 1/22/2020 11:15:10 AM



#24
 1,1-Dichloroethane
 Concen: 19.664 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Tgt Ion: 63 Resp: 67370
 Ion Ratio Lower Upper
 63 100
 98 7.0 2.9 8.7
 100 4.7 2.0 6.0





#25

2-Butanone

Concen: 91.599 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS03

Tot Ion: 43 Resp: 11581

Ion Ratio Lower Upper

43 100

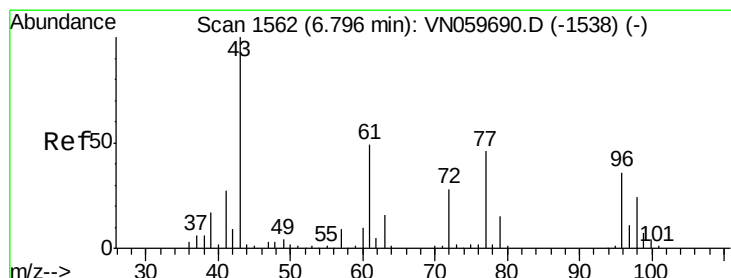
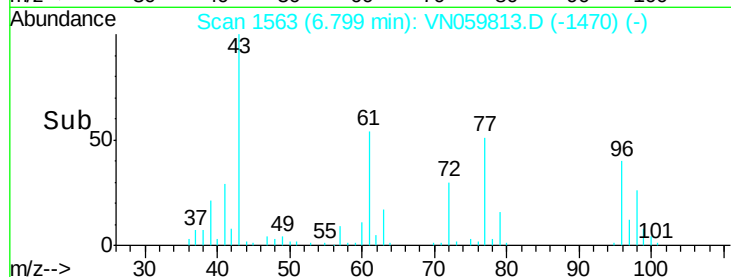
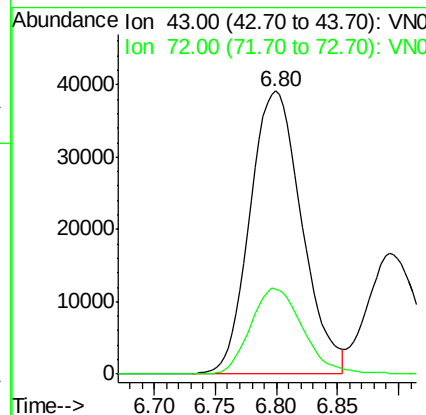
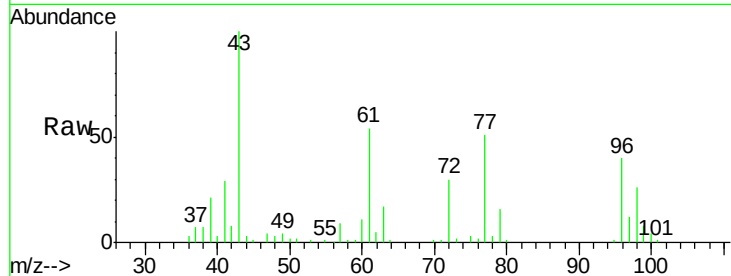
72 30.2 19.9 29.9#

Manual Integrations

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1/22/2020 11:15:10 AM



#26

2,2-Dichloropropane

Concen: 19.763 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059813.D

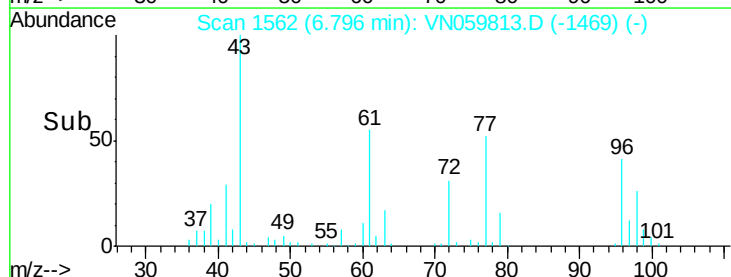
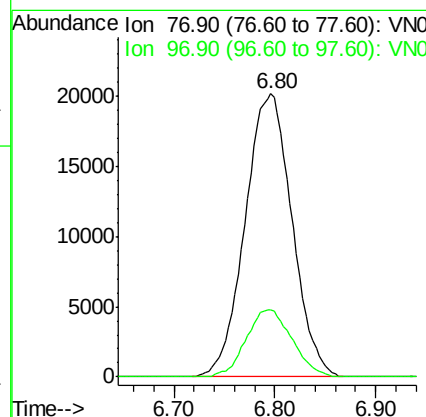
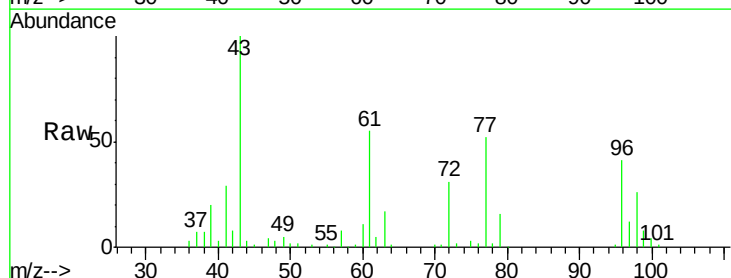
Acq: 21 Jan 2020 17:11

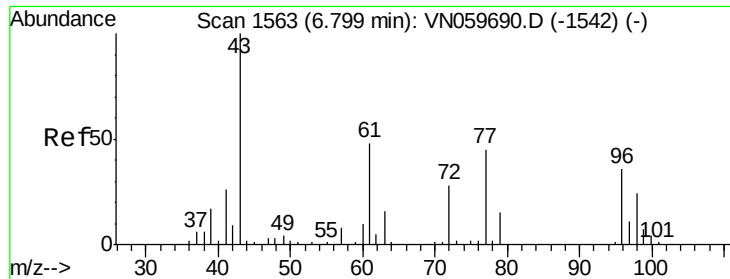
Tgt Ion: 77 Resp: 65095

Ion Ratio Lower Upper

77 100

97 23.3 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.166 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

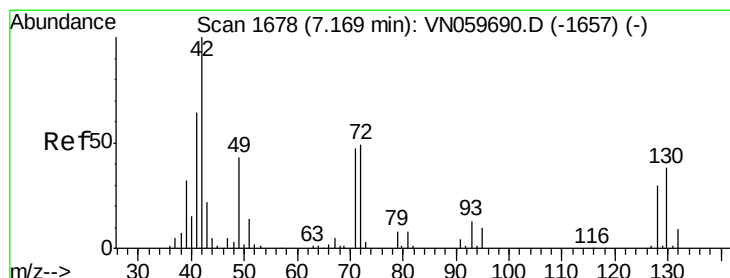
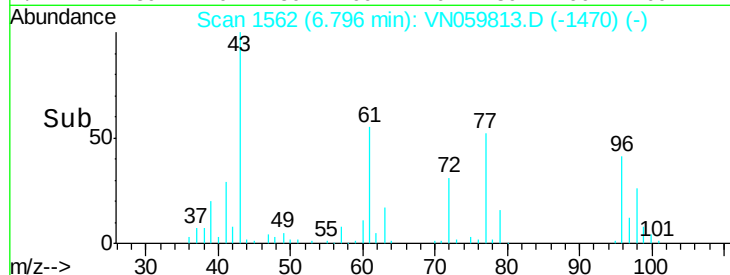
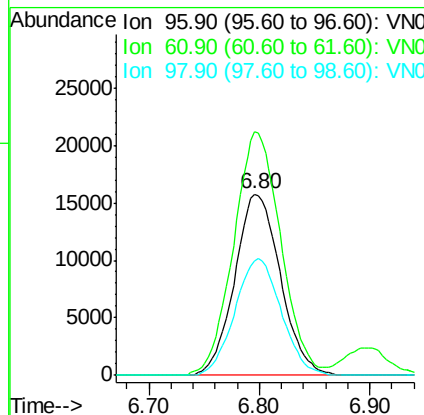
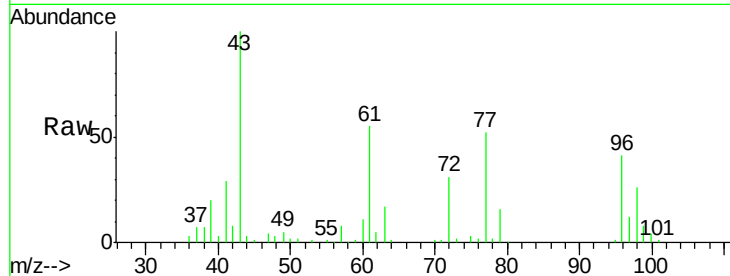
ClientSampled :

VN0121MBS03

Tot Ion:	96	Resp:	45259
Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	317.6
98	65.1	0.0	127.0

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#28

Bromochloromethane

Concen: 20.040 ug/l

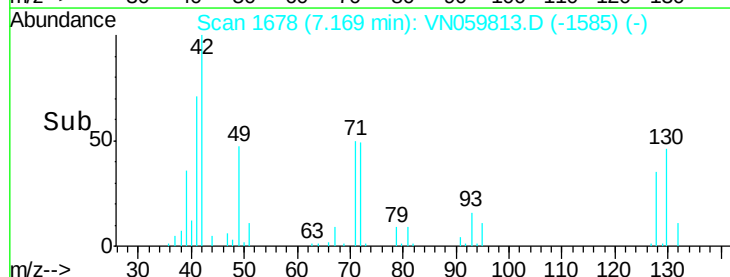
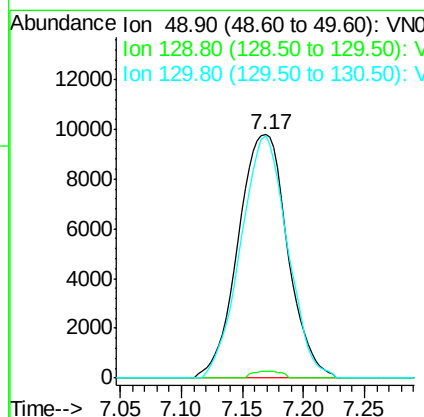
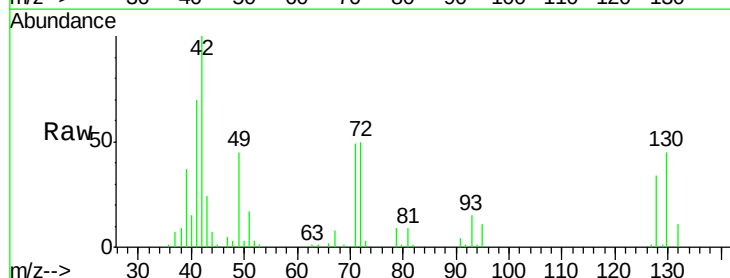
RT: 7.17 min Scan# 1678

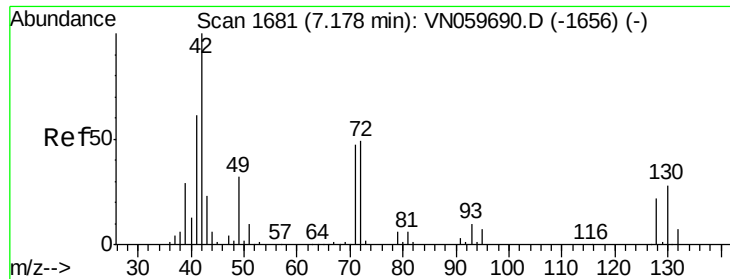
Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Tgt Ion:	49	Resp:	27442
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	94.3	54.7	82.1#





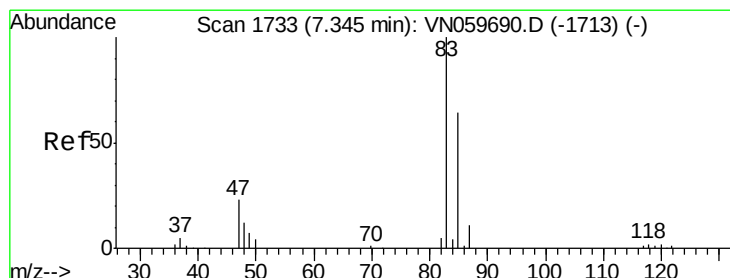
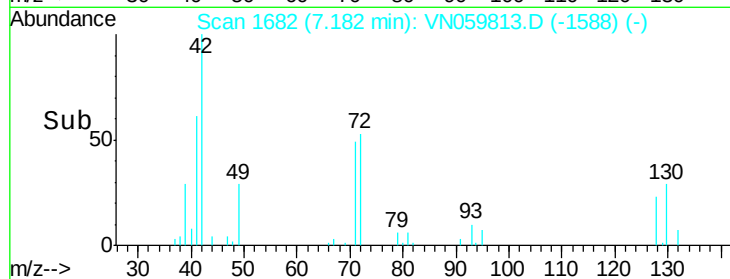
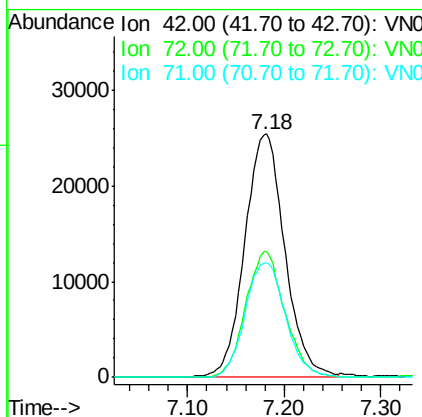
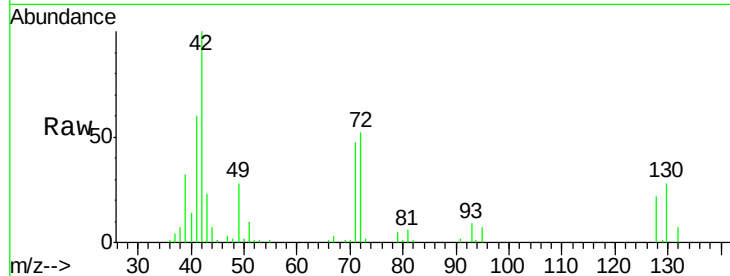
#29
Tetrahydrofuran
Concen: 93.725 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampled :
VN0121MBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.6	33.1	49.7#
71	47.4	31.4	47.0#

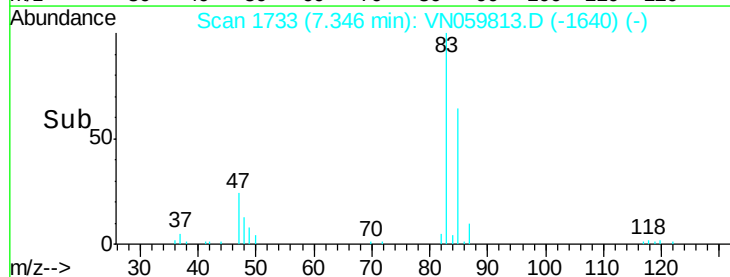
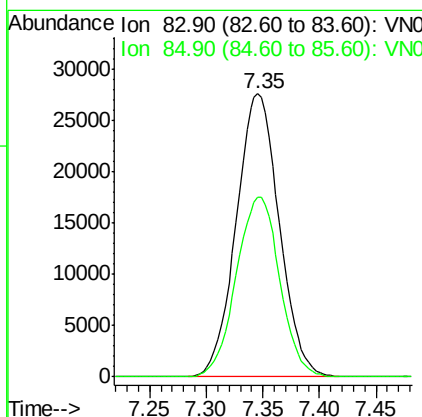
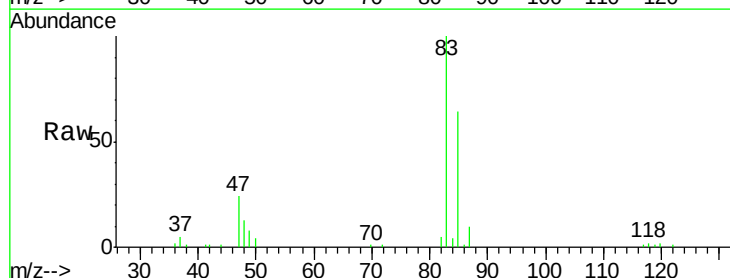
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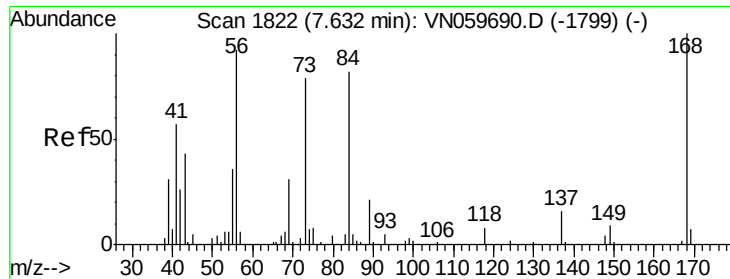
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#30
Chloroform
Concen: 20.518 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.4	78.6





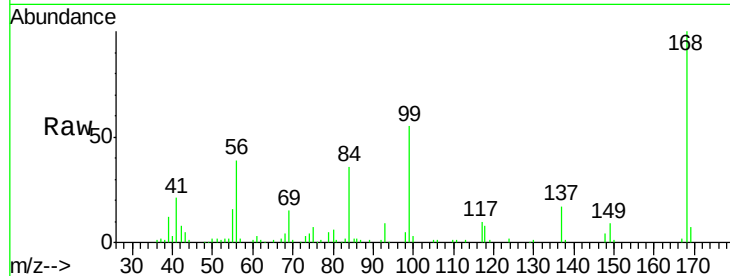
#31
Cyclohexane
Concen: 18.526 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS03

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.1	26.5	39.7
84	90.1	65.3	97.9

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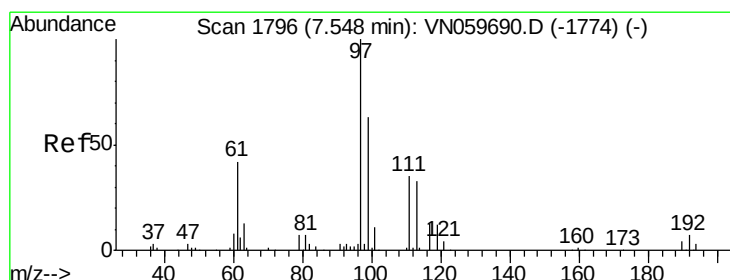
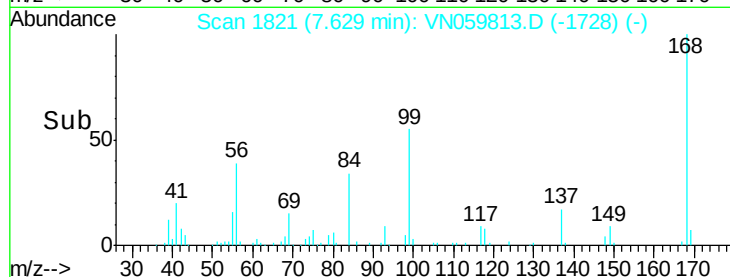
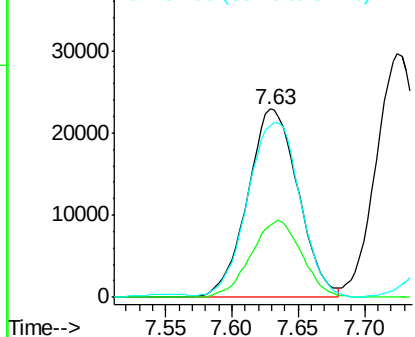


Abundance

Ion 56.00 (55.70 to 56.70): VNC

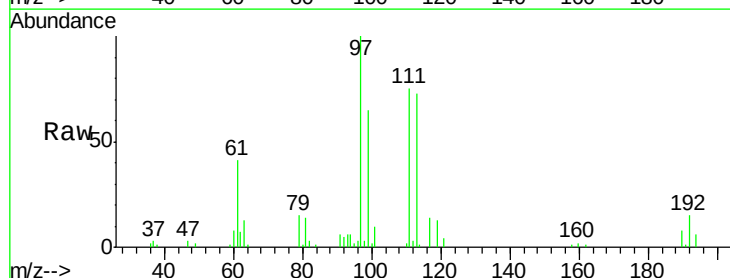
Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32
1,1,1-Trichloroethane
Concen: 20.456 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.4
61	41.5	38.5	57.7

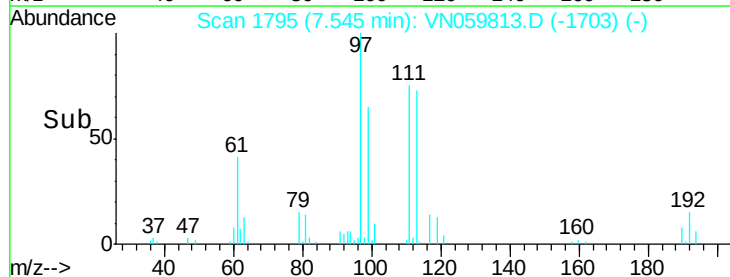
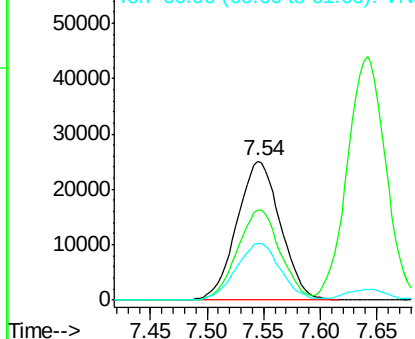


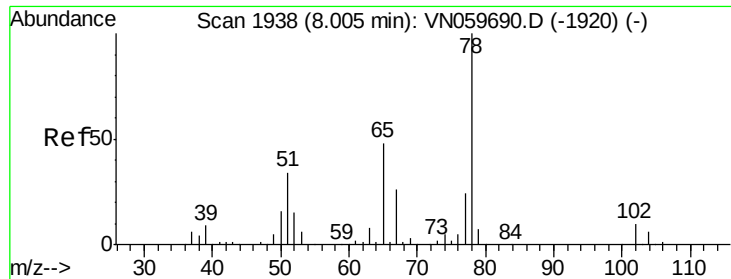
Abundance

Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





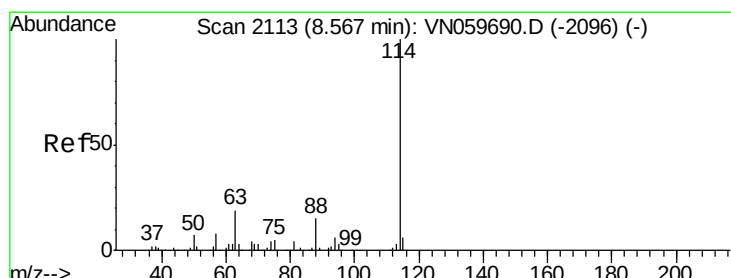
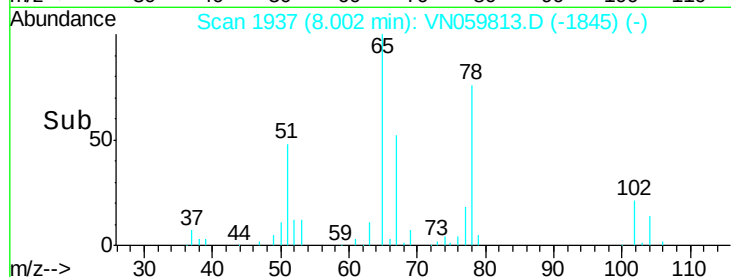
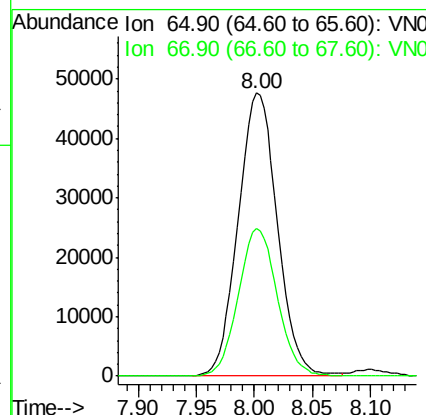
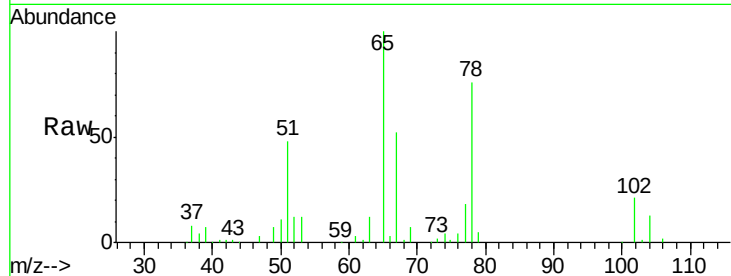
#33
 1,2-Dichloroethane-d4
 Concen: 50.131 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS03

Tot Ion	Ratio	Resp	Lower	Upper
65	100	111703		
67	51.8	0.0	103.0	

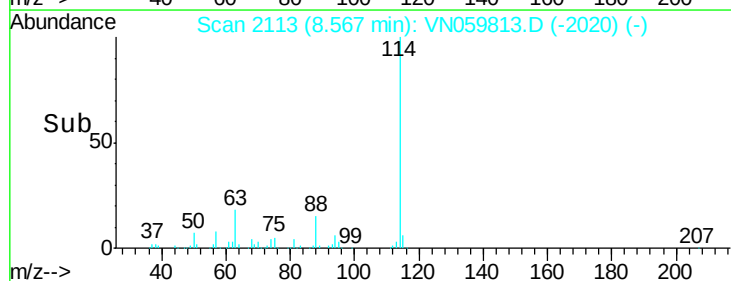
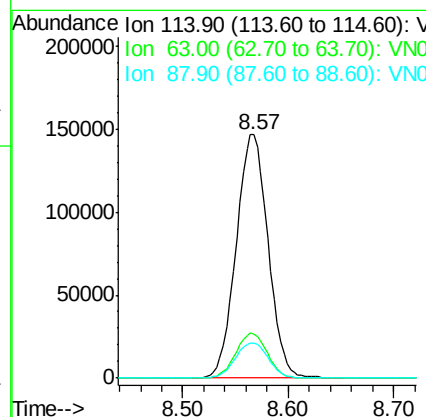
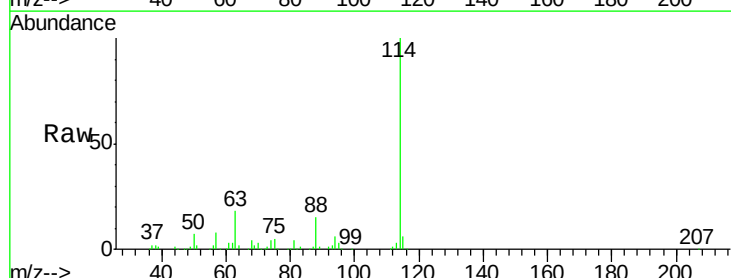
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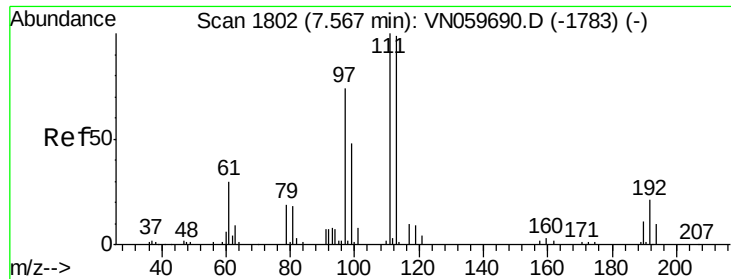
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	307909		
63	18.3	0.0	43.6	
88	14.5	0.0	31.4	





#35

Dibromofluoromethane

Concen: 51.555 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

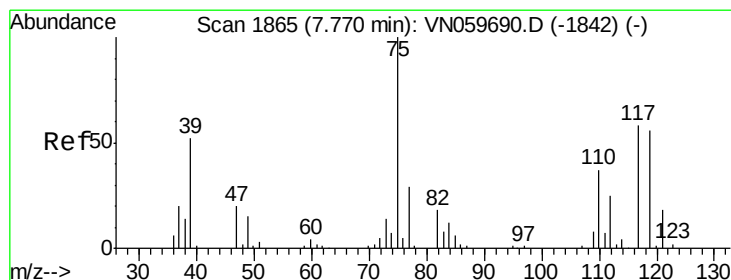
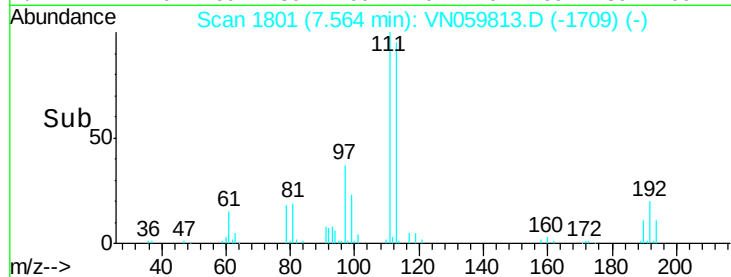
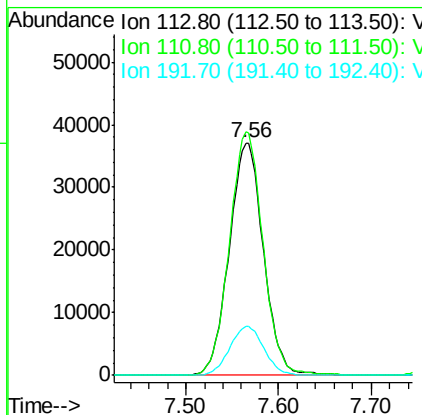
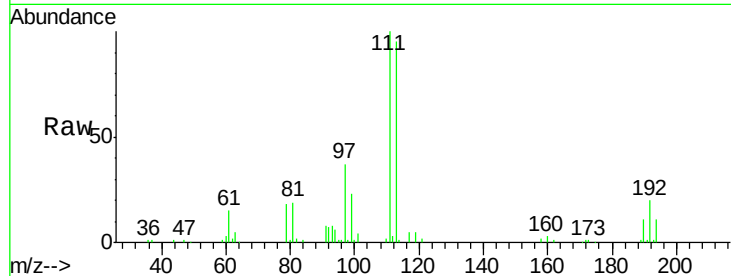
ClientSampleId :

VN0121MBS03

Tot Ion:	113	Resp:	94666
Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.5	125.3
192	20.9	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 19.654 ug/l

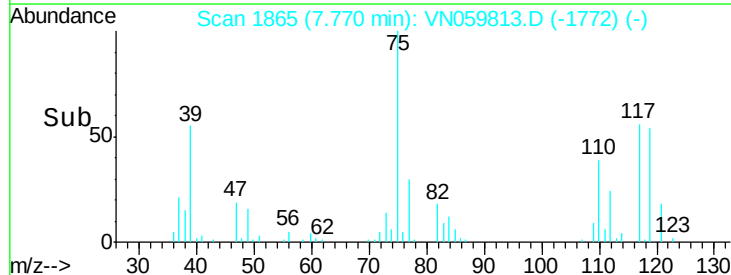
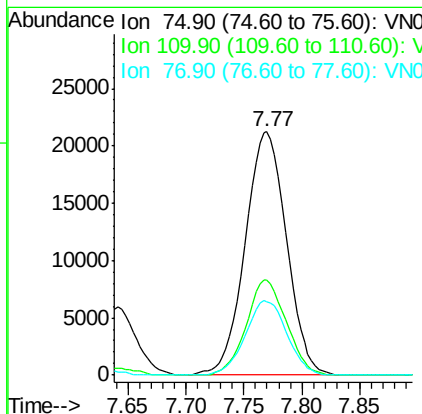
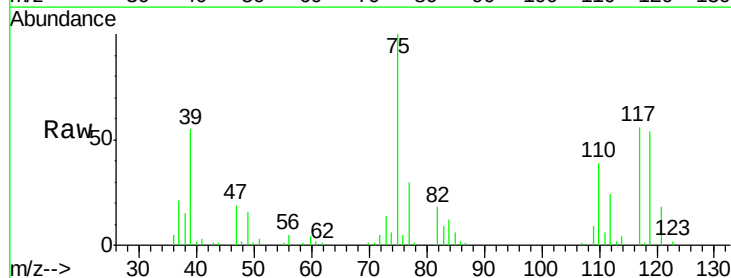
RT: 7.77 min Scan# 1865

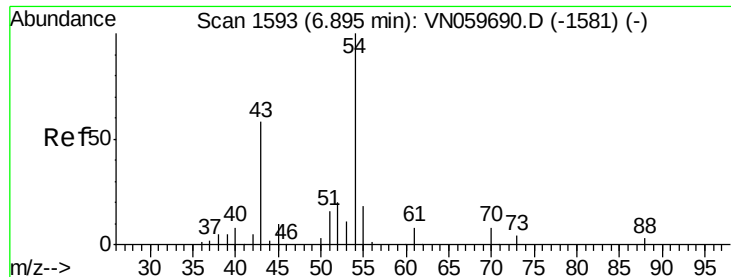
Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Tgt Ion:	75	Resp:	52700
Ion	Ratio	Lower	Upper
75	100		
110	37.9	16.6	49.7
77	30.7	25.1	37.7





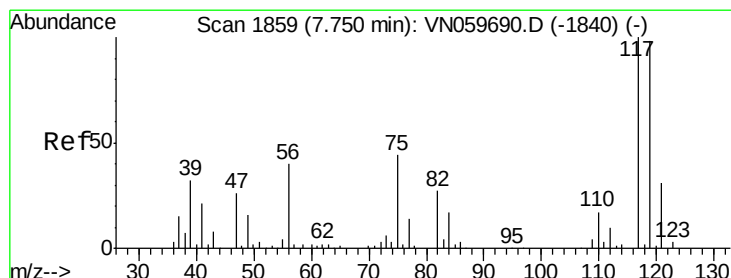
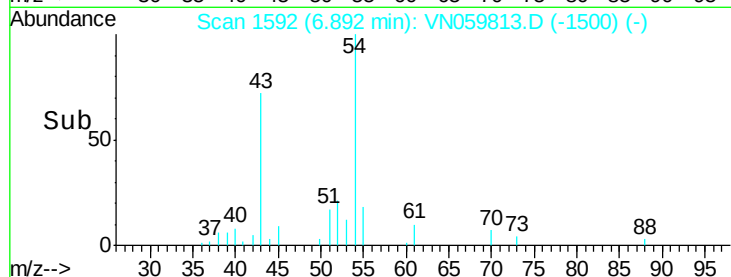
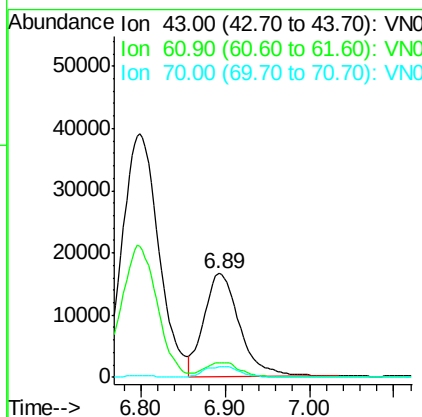
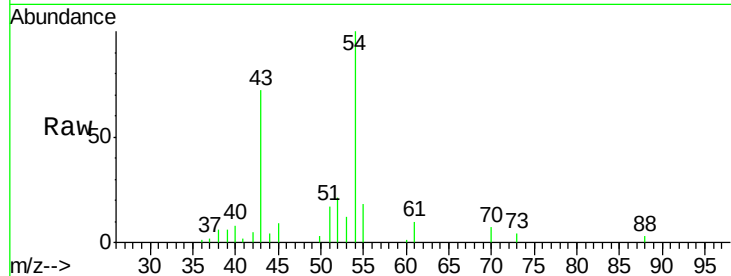
#37
Ethyl Acetate
Concen: 19.512 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampled :
VN0121MBS03

Tot Ion: 43 Resp: 49070
Ion Ratio Lower Upper
43 100
61 14.2 10.9 16.3
70 10.4 7.7 11.5

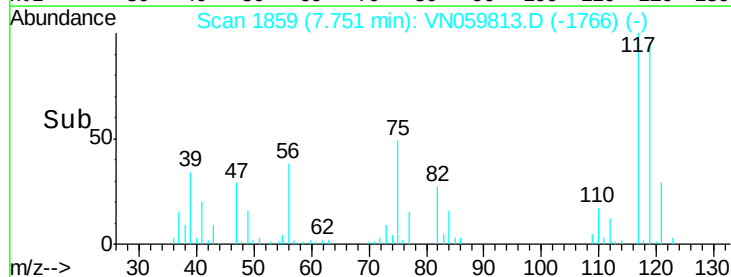
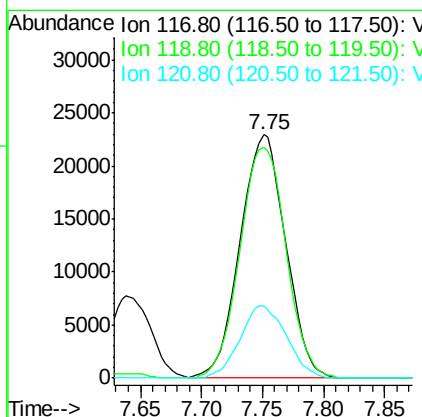
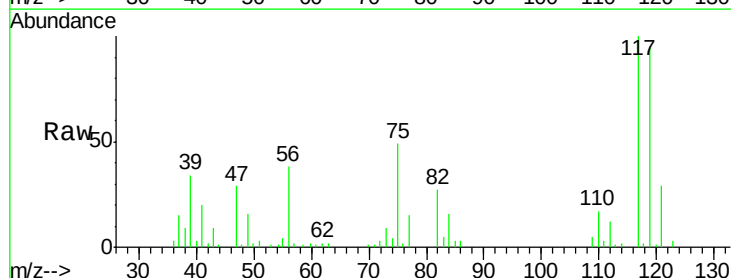
Manual Integrations
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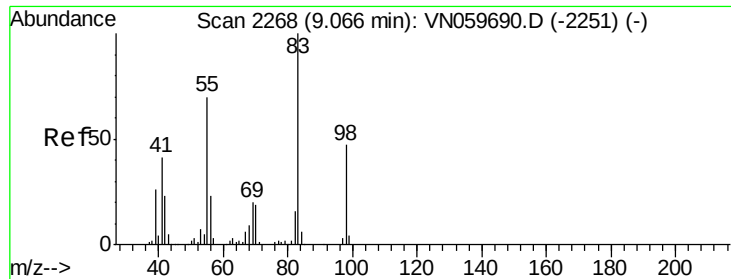
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#38
Carbon Tetrachloride
Concen: 20.318 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion: 117 Resp: 59264
Ion Ratio Lower Upper
117 100
119 94.6 76.5 114.7
121 29.4 25.1 37.7





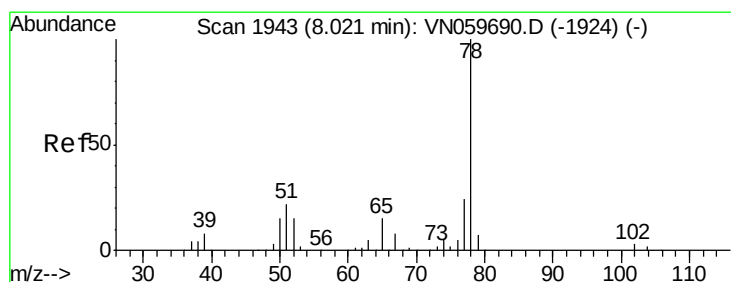
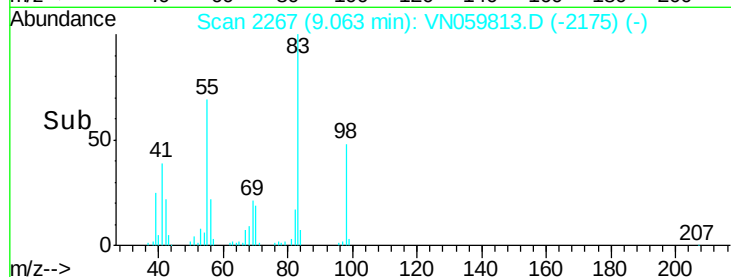
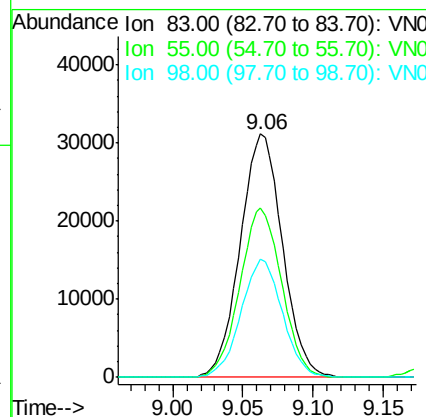
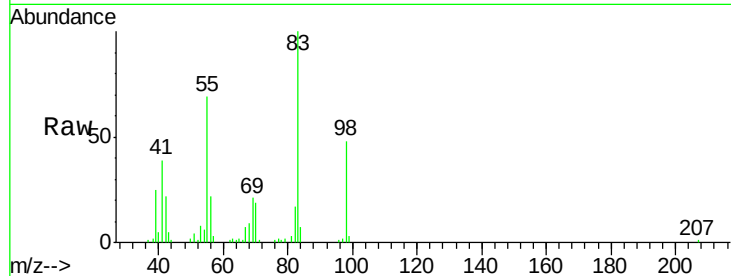
#39
Methylvlcyclohexane
Concen: 19.742 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.3	64.2	96.2
98	48.3	35.9	53.9

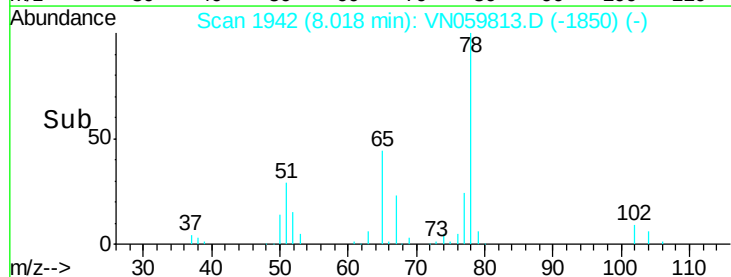
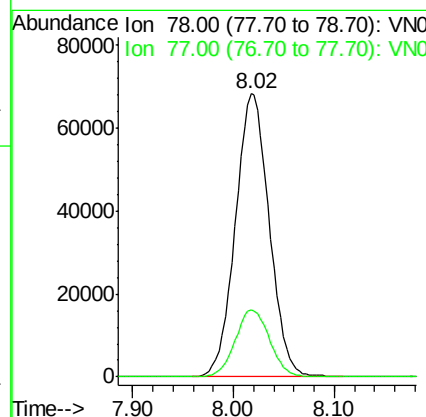
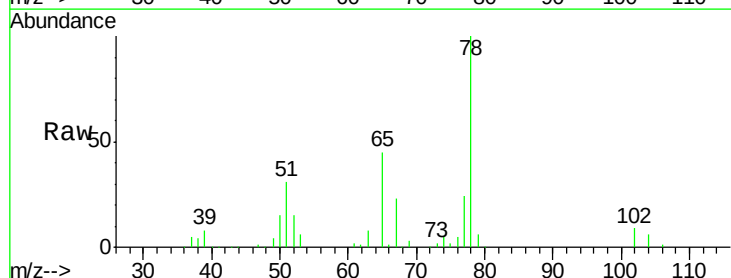
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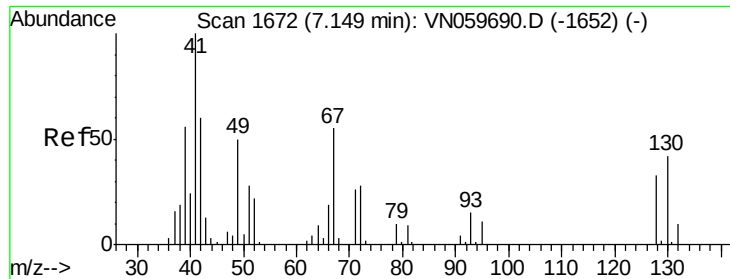
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#40
Benzene
Concen: 19.860 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3





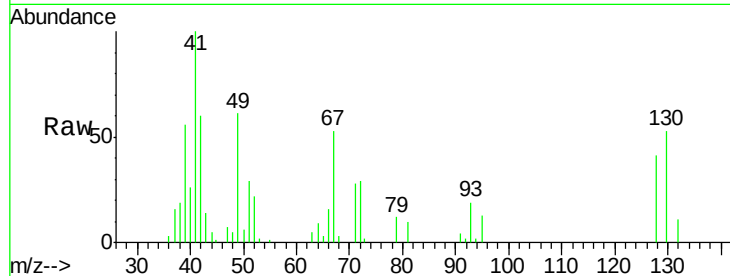
#41
Methacrylonitrile
Concen: 17.414 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS03

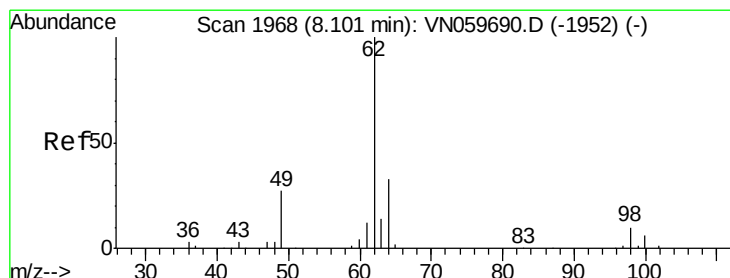
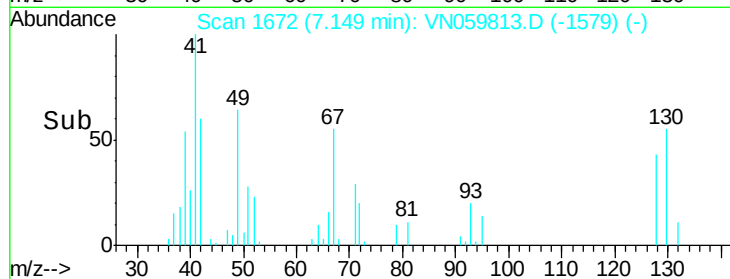
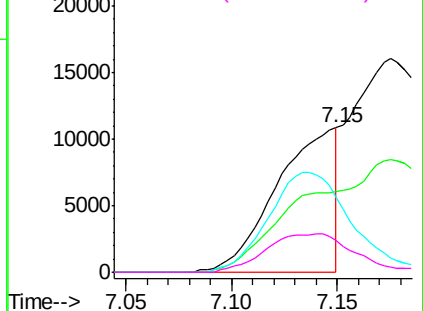
Tot Ion	41	Resp	21571
Ion	Ratio	Lower	Upper
41	100		
39	173.7	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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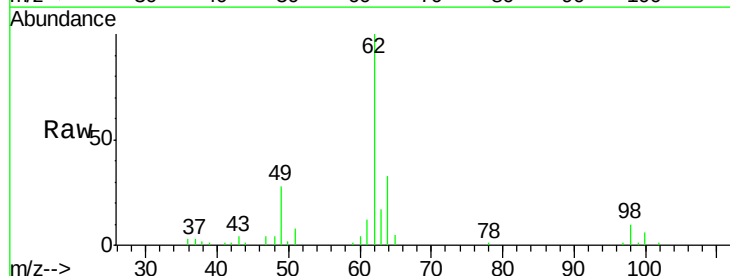


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

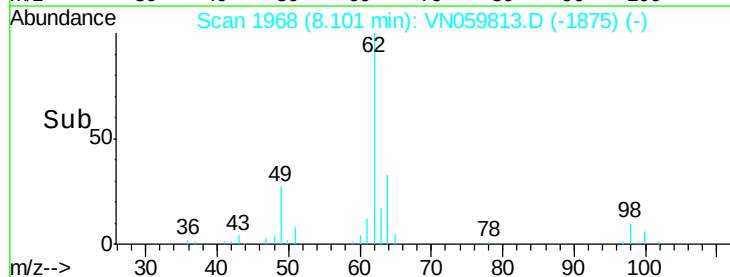
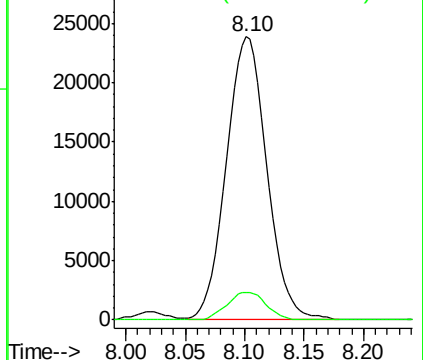


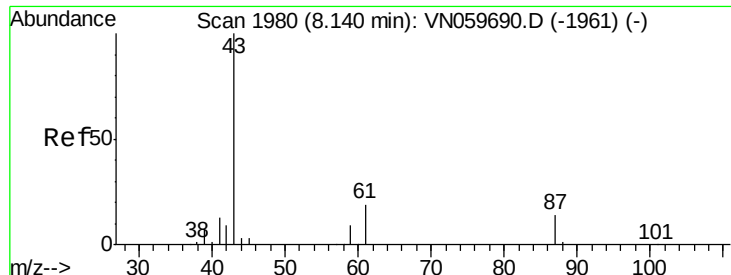
#42
1,2-Dichloroethane
Concen: 20.813 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion	62	Resp	56432
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	15.8



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





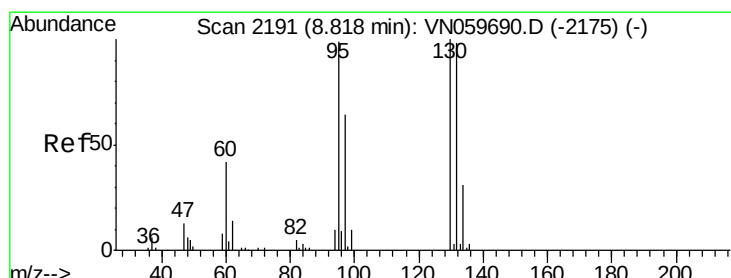
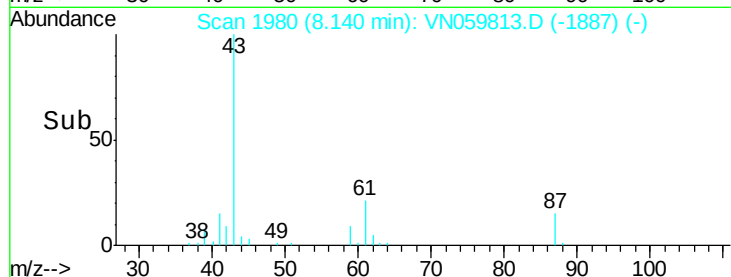
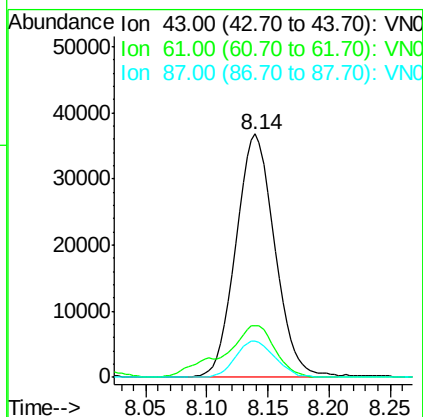
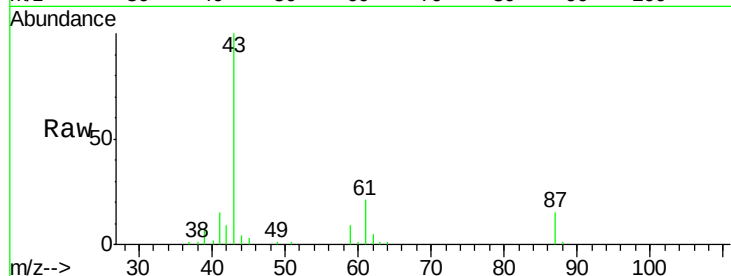
#43
Isopropyl Acetate
Concen: 18.761 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	20.2	30.2
87	15.0	9.5	14.3

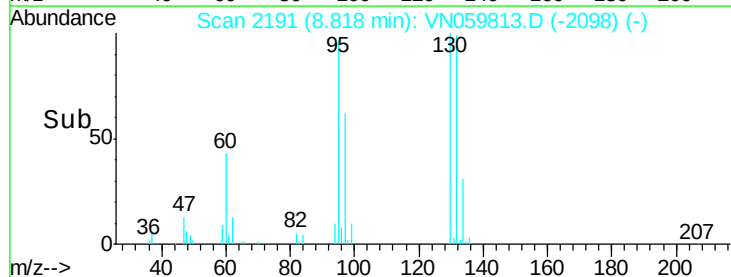
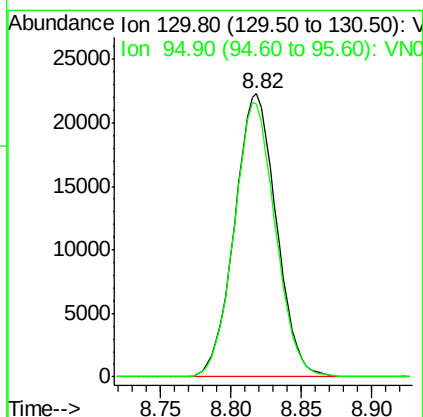
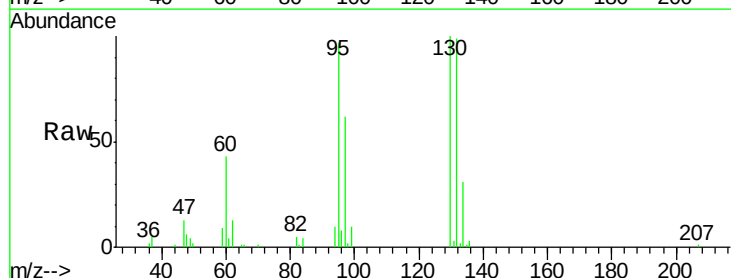
Manual Integrations
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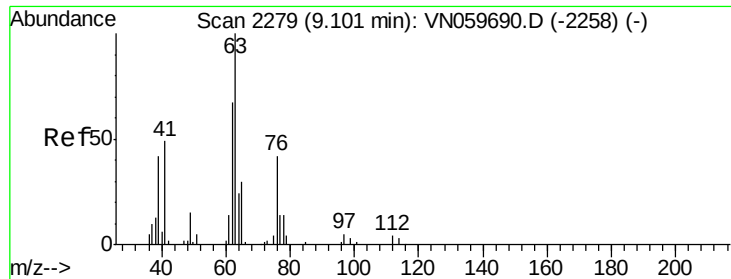
MMDadoda
1/22/2020 11:15:10 AM



#44
Trichloroethene
Concen: 21.133 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	207.0





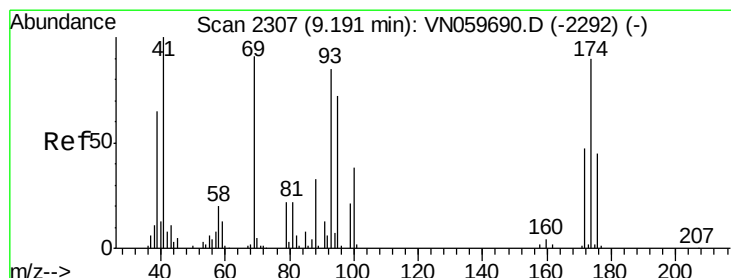
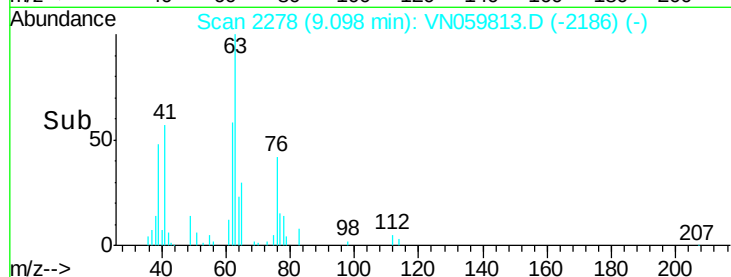
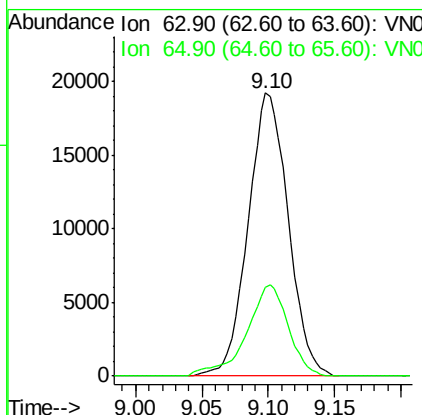
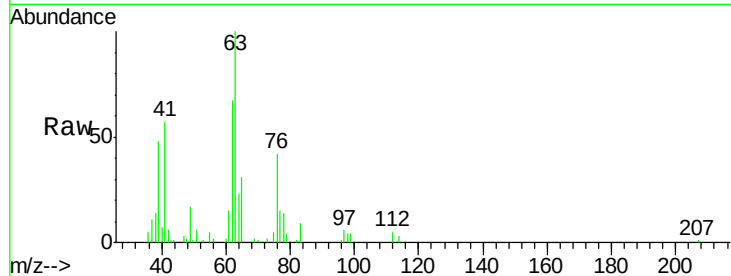
#45
 1,2-Dichloropropane
 Concen: 20.508 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS03

Tot Ion: 63 Resp: 40582
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.9 37.3

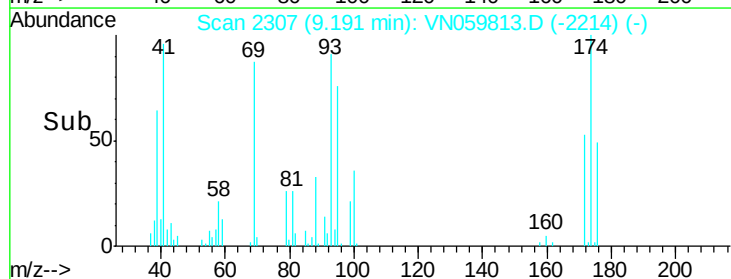
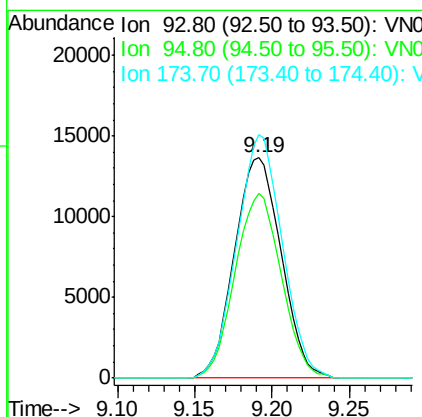
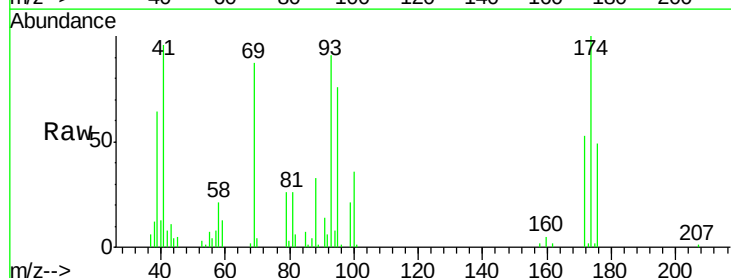
Manual Integrations
 APPROVED

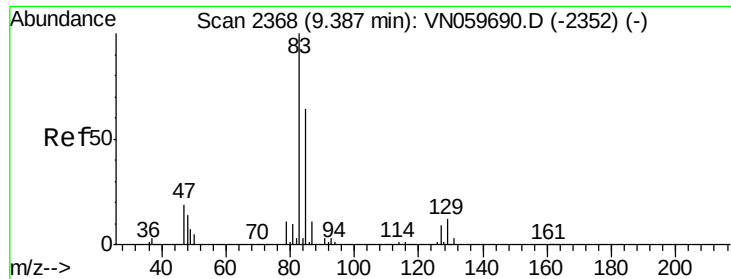
MMDadoda
 1/22/2020 11:15:10 AM



#46
 Dibromomethane
 Concen: 20.566 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Tgt Ion: 93 Resp: 28708
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.0 100.6
 174 107.7 73.4 110.2





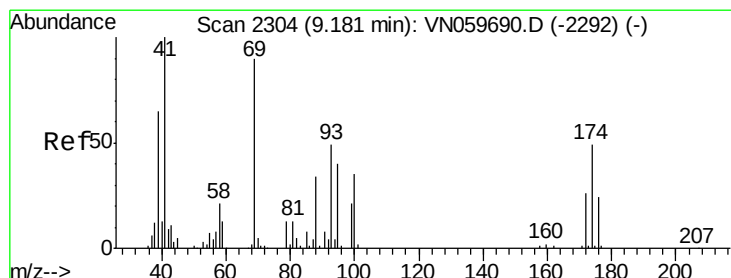
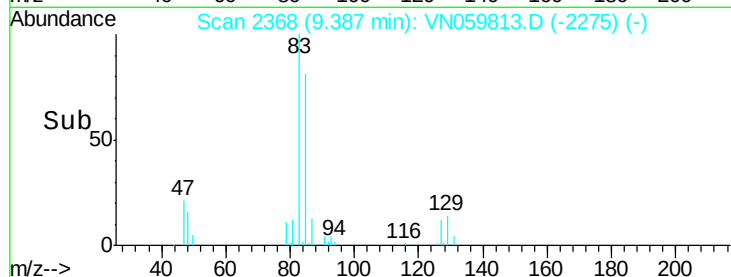
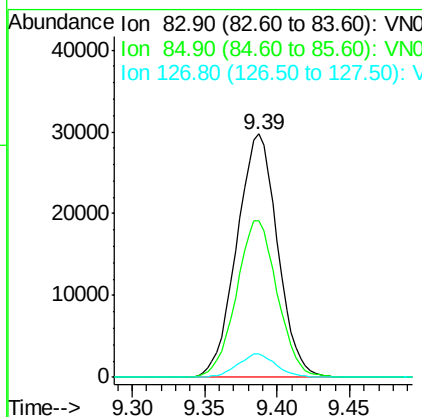
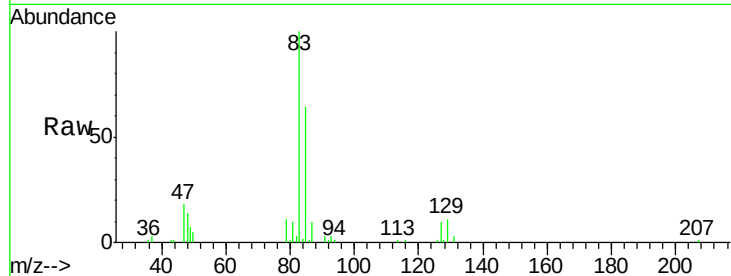
#47
Bromodichloromethane
Concen: 20.703 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS03

Tot Ion	83	Resp	58236
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	51.1	76.7
127	9.6	6.6	9.8

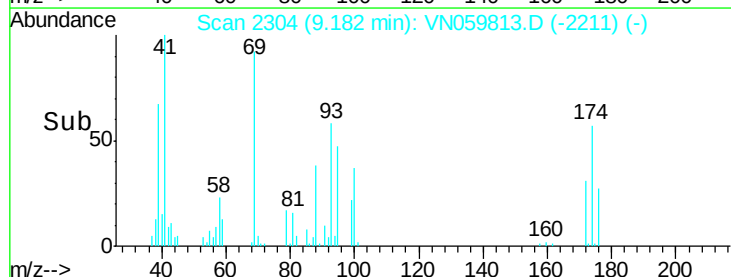
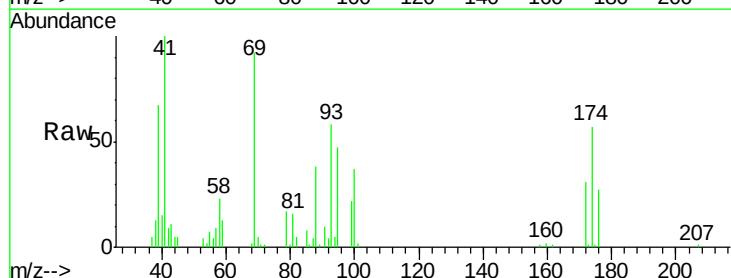
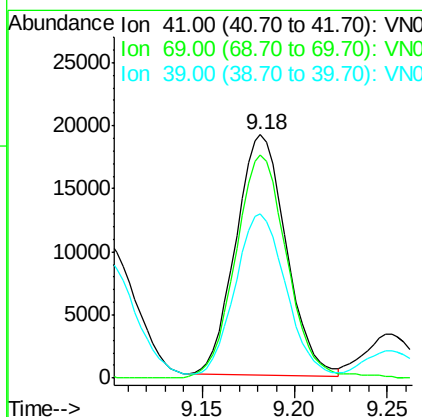
Manual Integrations
APPROVED

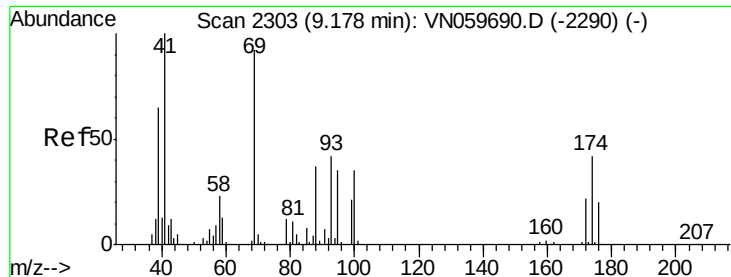
MMDadoda
1/22/2020 11:15:10 AM



#48
Methyl methacrylate
Concen: 18.481 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion	41	Resp	35759
Ion Ratio	100	Lower	Upper
41	100		
69	95.4	64.4	96.6
39	67.2	51.3	76.9





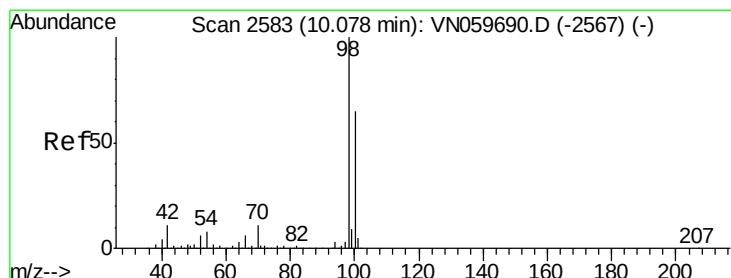
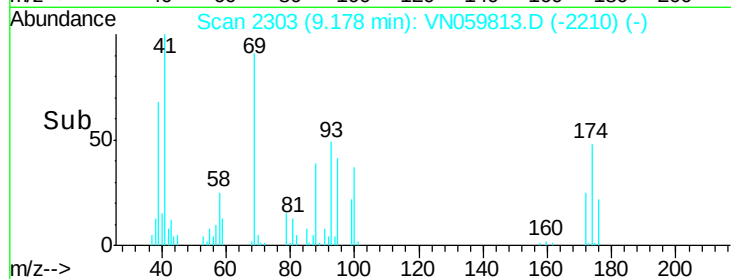
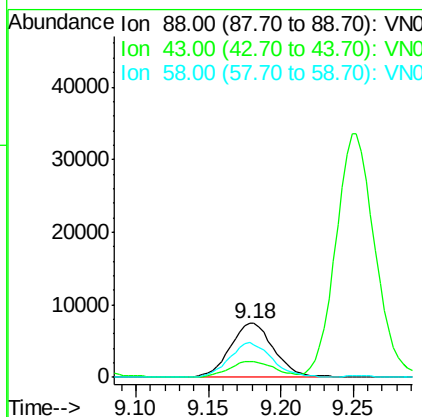
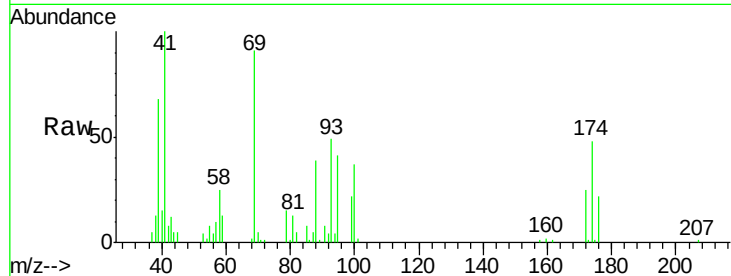
#49
1,4-Dioxane
Concen: 438.103 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	29.7	44.5
58	62.6	56.6	85.0

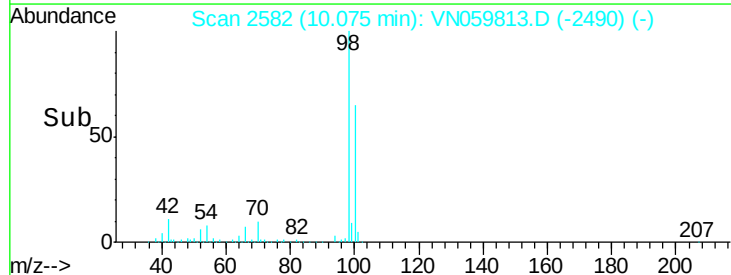
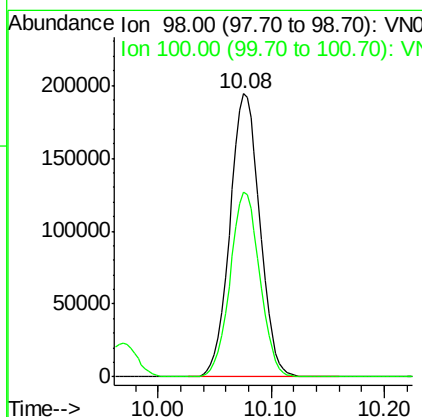
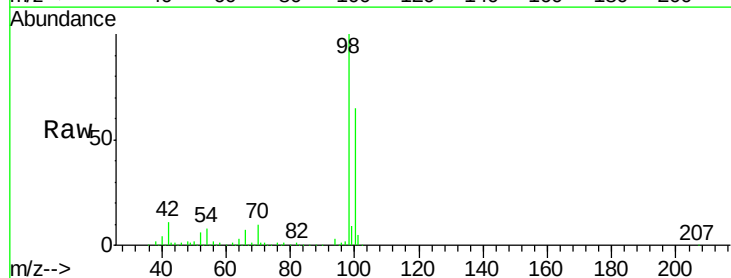
Manual Integrations
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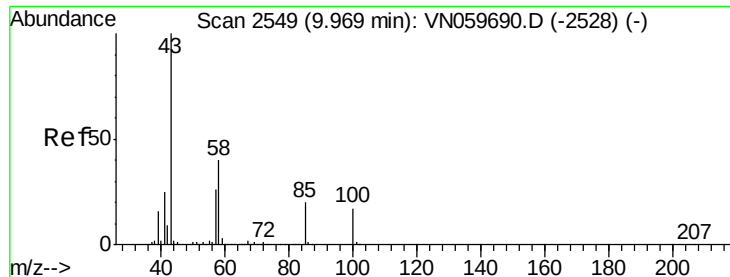
MMDadoda
1/22/2020 11:15:10 AM



#50
Toluene-d8
Concen: 50.137 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 94.936 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

ClientSampled :

VN0121MBS03

Tot Ion: 43 Resp: 237395

Ion Ratio Lower Upper

43 100

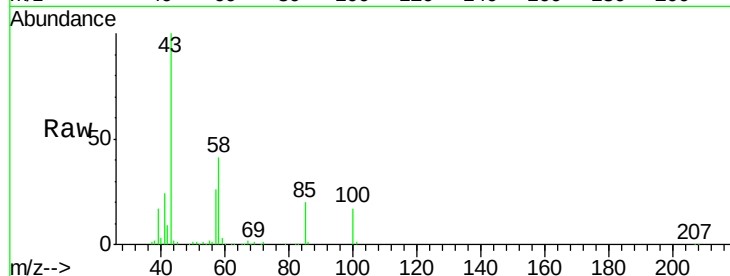
58 40.4 29.8 44.8

Manual Integrations

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MMDadoda

1/22/2020 11:15:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

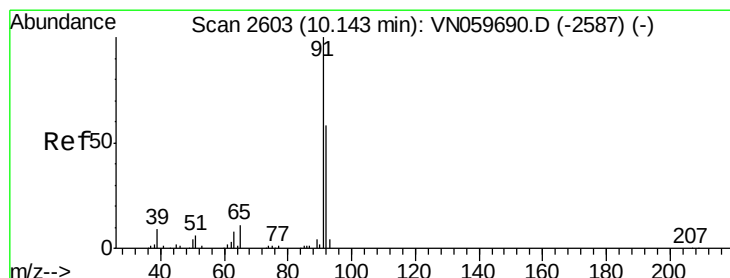
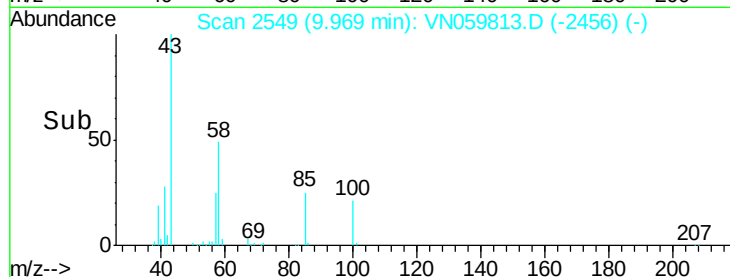
100000

50000

0

9.90 9.97 10.00

Time-->



#52

Toluene

Concen: 20.183 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN059813.D

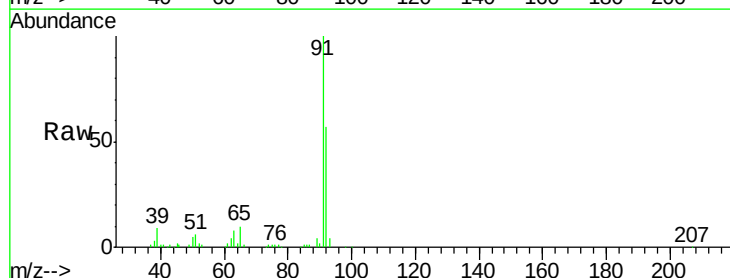
Acq: 21 Jan 2020 17:11

Tgt Ion: 92 Resp: 101950

Ion Ratio Lower Upper

92 100

91 175.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

100000

80000

60000

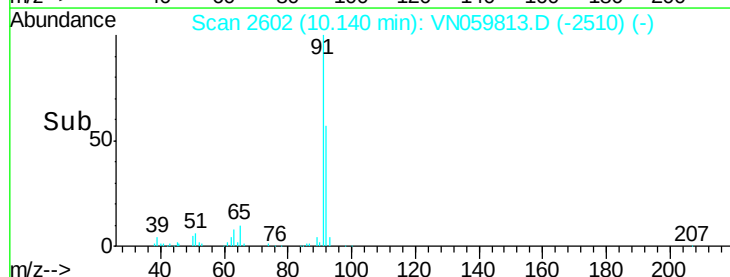
40000

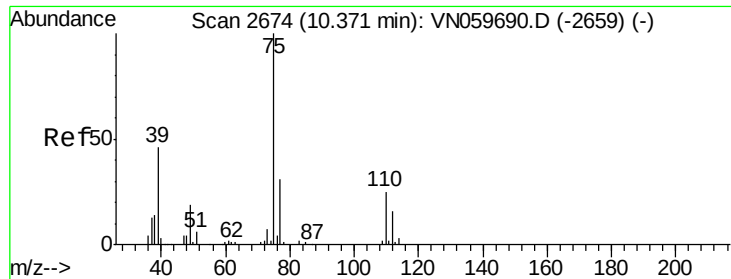
20000

0

10.05 10.10 10.14 10.20

Time-->





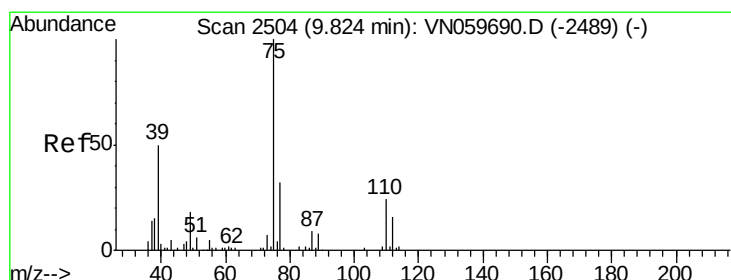
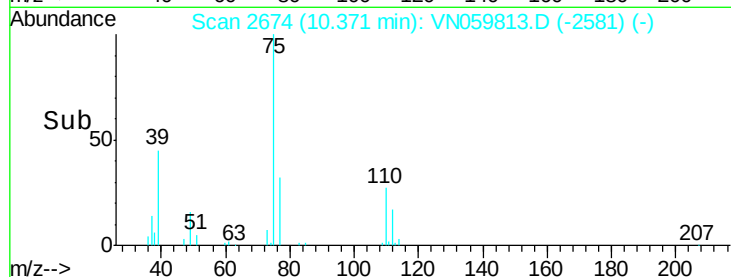
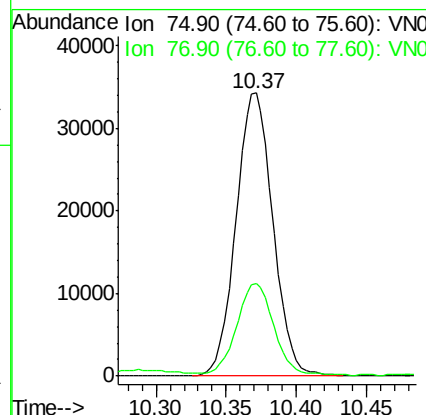
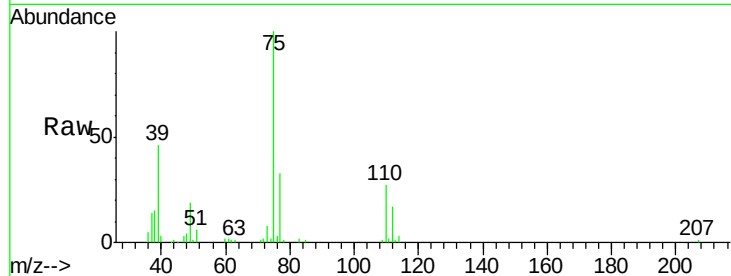
#53
t-1,3-Dichloropropene
Concen: 20.020 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS03

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.2

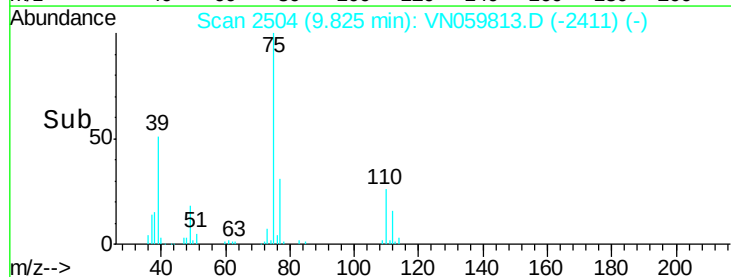
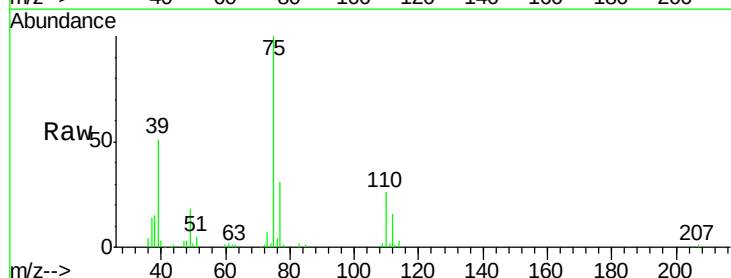
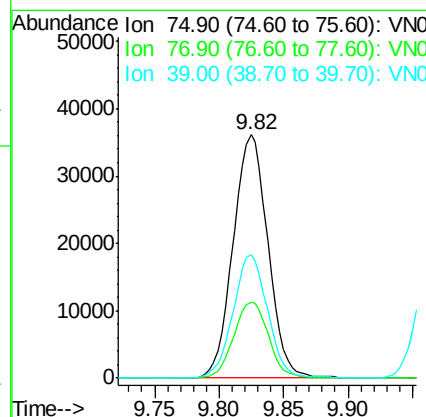
Manual Integrations
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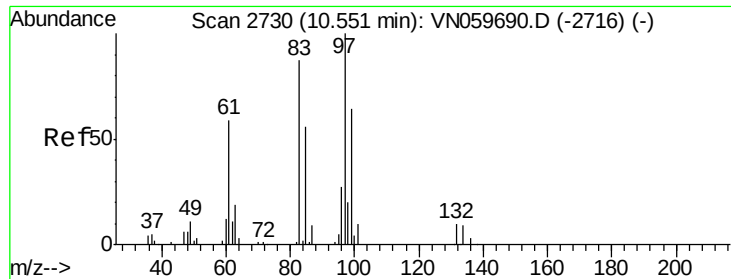
MMDadoda
1/22/2020 11:15:10 AM



#54
cis-1,3-Dichloropropene
Concen: 20.476 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	50.9	46.1	69.1





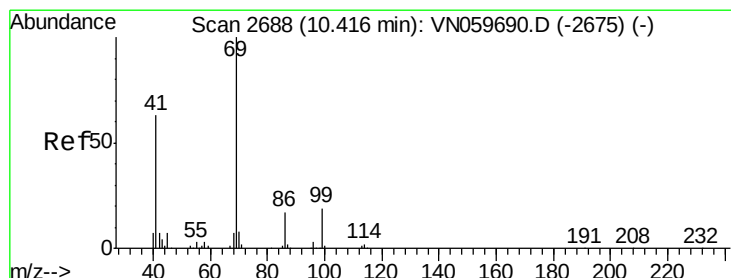
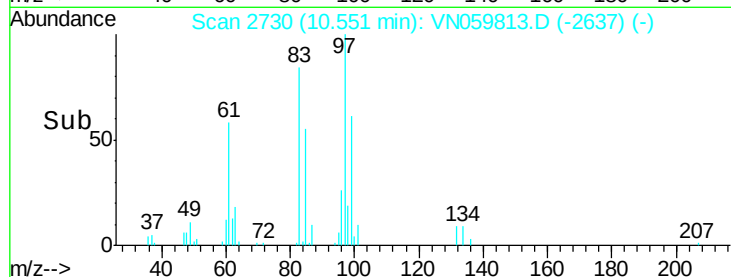
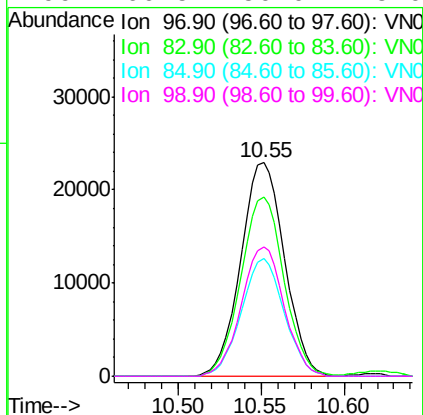
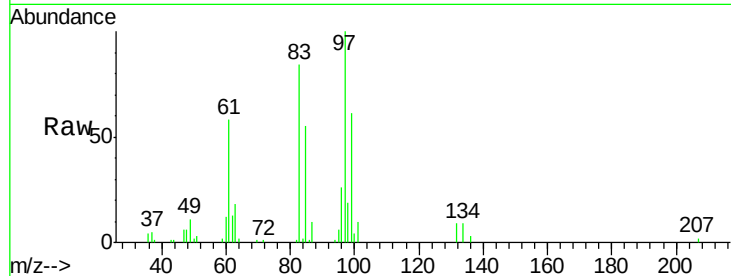
#55
 1,1,2-Trichloroethane
 Concen: 21.017 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS03

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.2	71.3	106.9
85	55.1	45.8	68.8
99	60.5	50.0	75.0

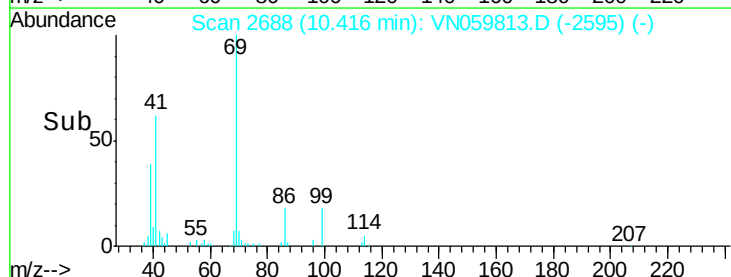
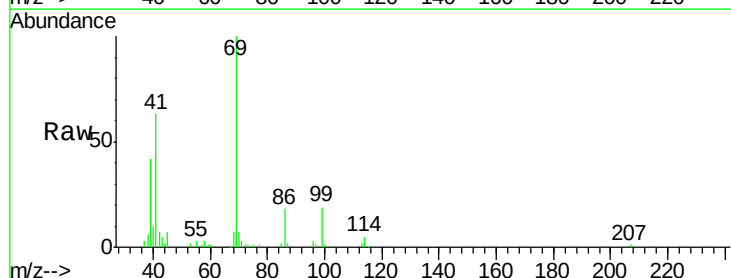
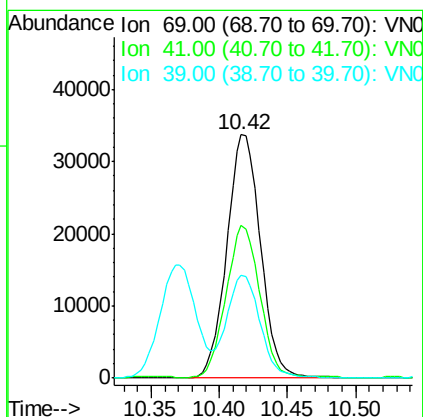
Manual Integrations
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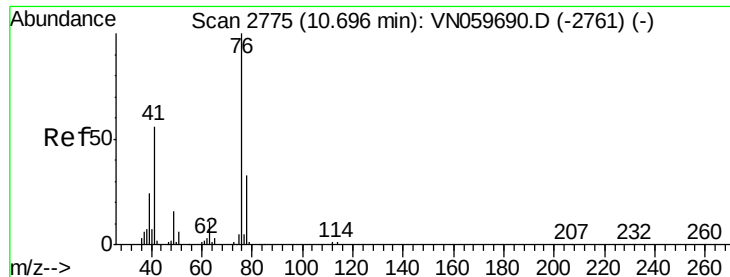
MMDadoda
 1/22/2020 11:15:10 AM



#56
 Ethyl methacrylate
 Concen: 18.964 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.2	57.1	85.7
39	42.5	34.7	52.1





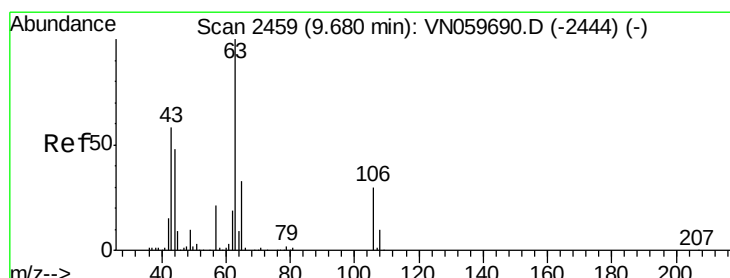
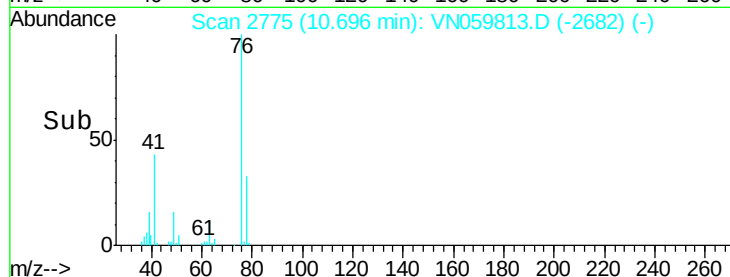
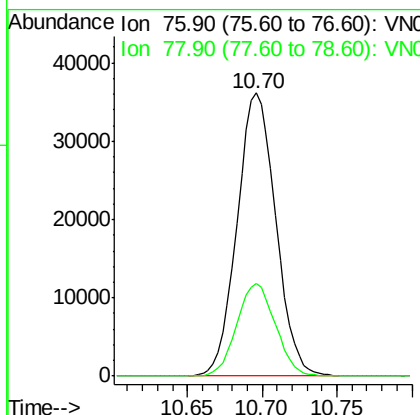
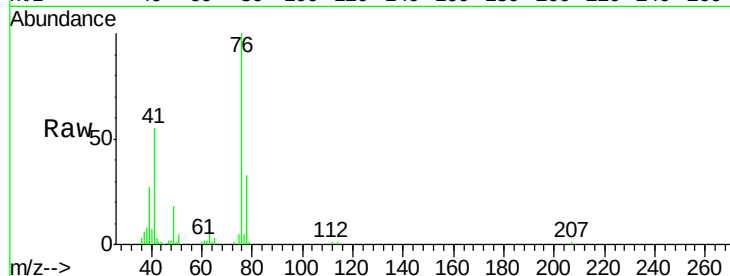
#57
 1,3-Dichloropropane
 Concen: 20.465 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS03

Tot Ion: 76 Resp: 65001
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.8

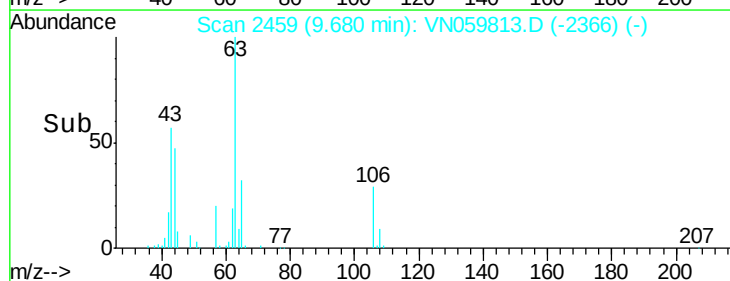
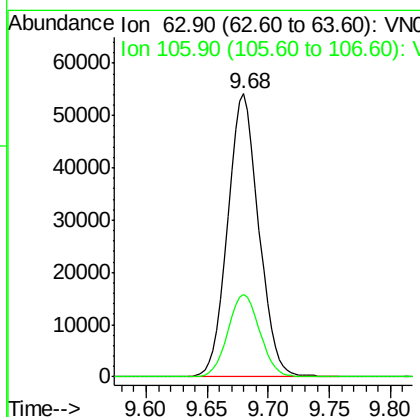
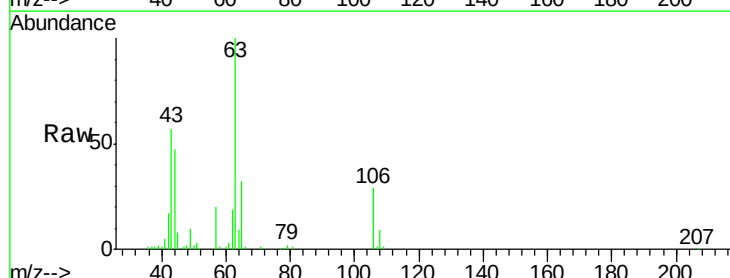
Manual Integrations
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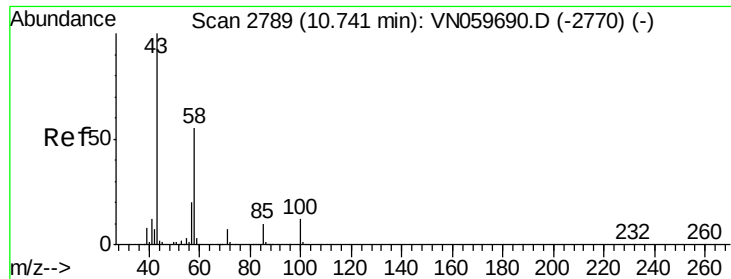
MMDadoda
 1/22/2020 11:15:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.625 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Tgt Ion: 63 Resp: 96332
 Ion Ratio Lower Upper
 63 100
 106 29.9 20.2 30.2





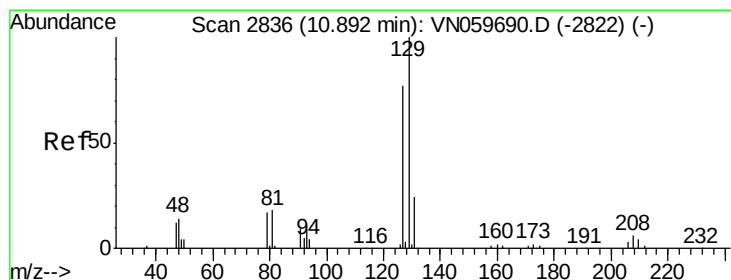
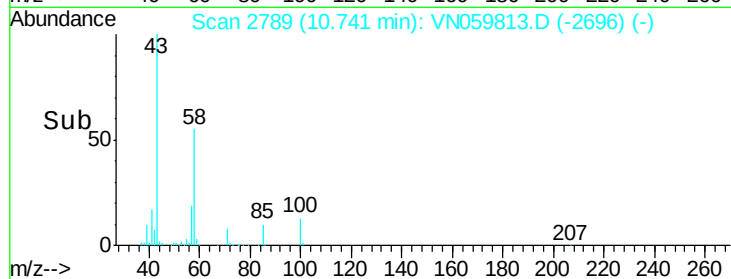
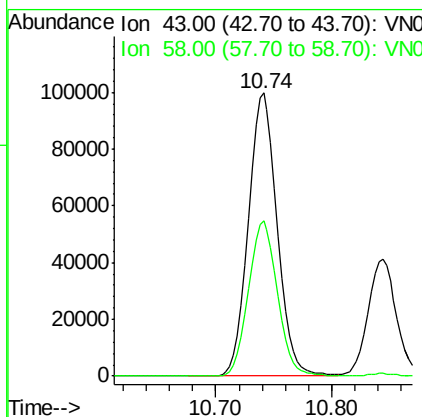
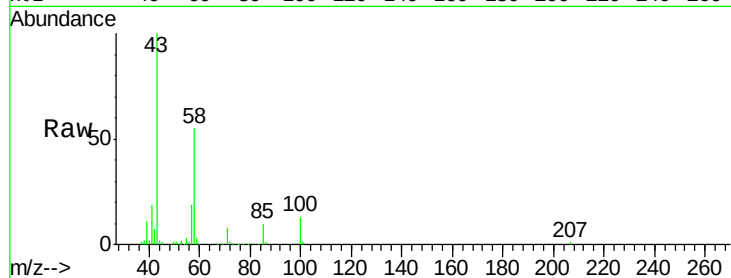
#59
2-Hexanone
Concen: 94.422 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampled :
VN0121MBS03

Tot Ion: 43 Resp: 173943
Ion Ratio Lower Upper
43 100
58 54.9 25.8 77.3

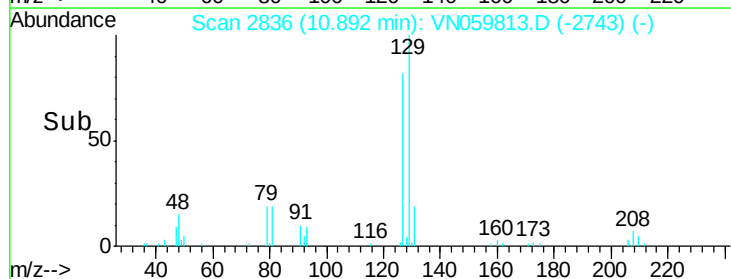
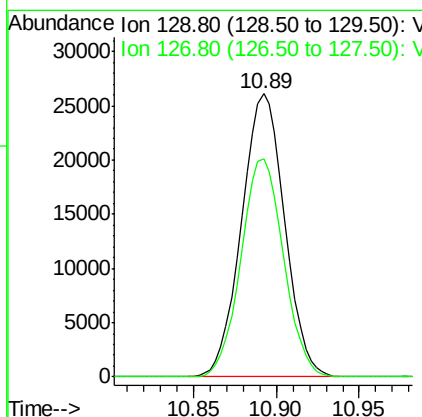
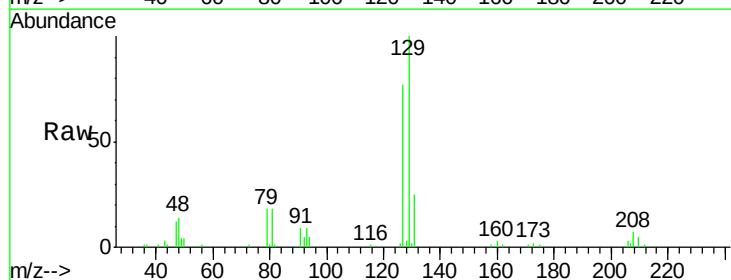
Manual Integrations
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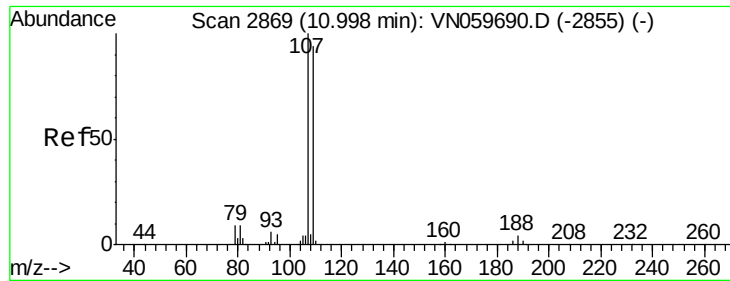
MMDadoda
1/22/2020 11:15:10 AM



#60
Dibromochloromethane
Concen: 20.750 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion: 129 Resp: 47271
Ion Ratio Lower Upper
129 100
127 75.9 38.5 115.5





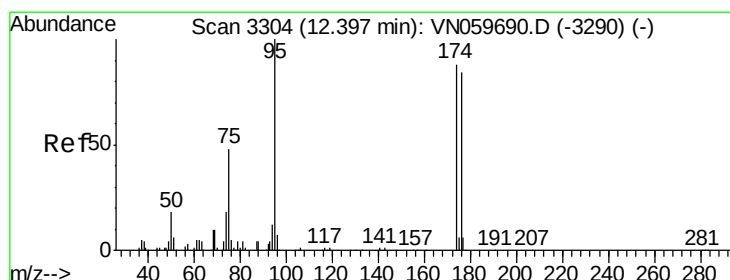
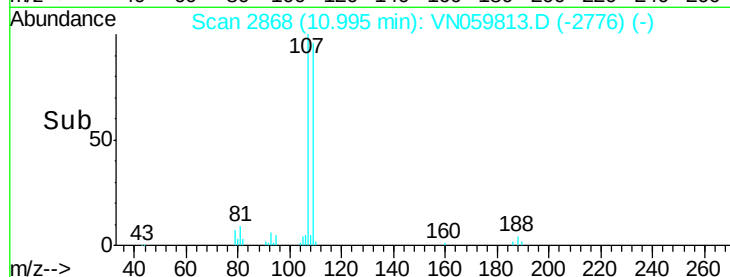
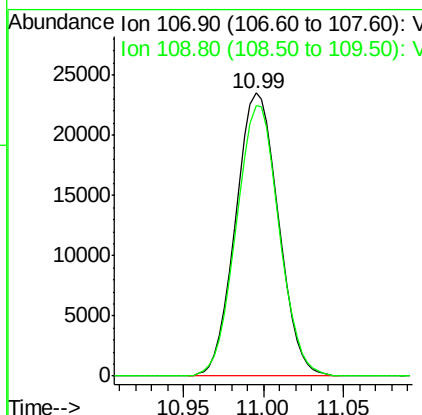
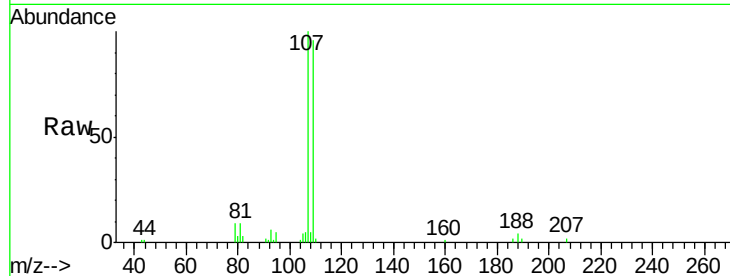
#61
 1,2-Dibromoethane
 Concen: 20.393 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS03

Tot Ion: 107 Resp: 42760
 Ion Ratio Lower Upper
 107 100
 109 96.0 76.6 115.0

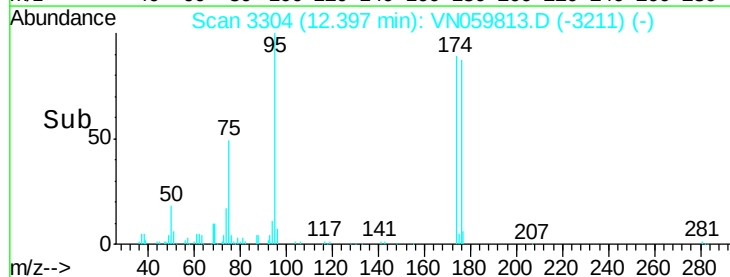
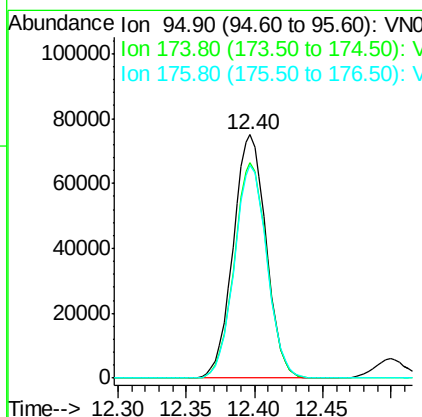
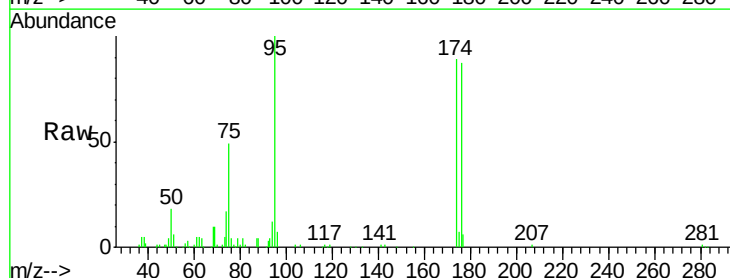
Manual Integrations
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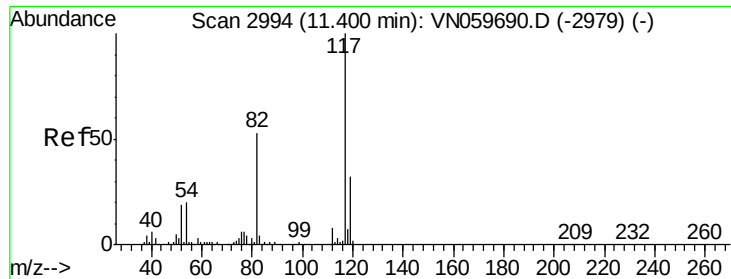
MMDadoda
 1/22/2020 11:15:10 AM



#62
 4-Bromofluorobenzene
 Concen: 49.067 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Tgt Ion: 95 Resp: 125843
 Ion Ratio Lower Upper
 95 100
 174 87.9 0.0 151.4
 176 86.5 0.0 146.0





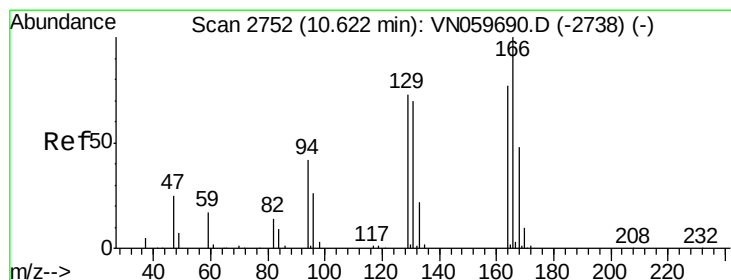
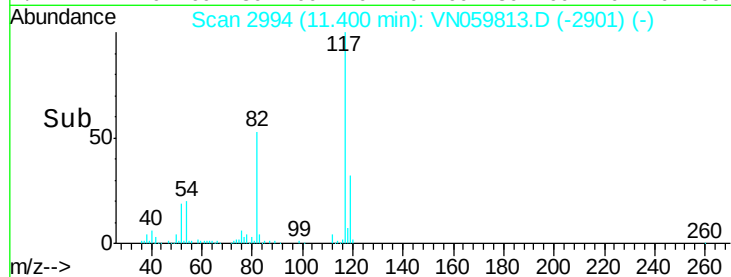
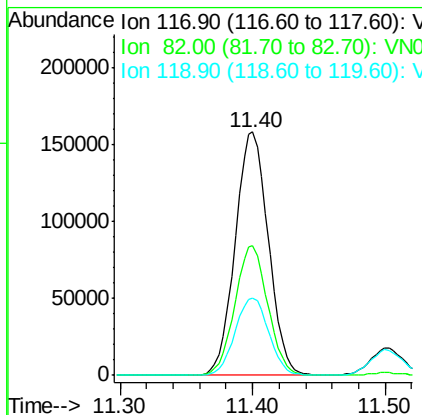
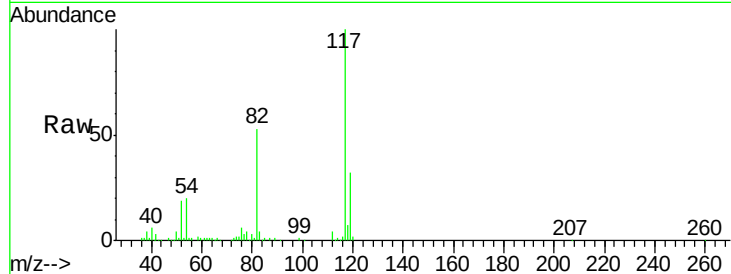
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	275165		
82	53.1	45.9	68.9	
119	31.9	25.5	38.3	

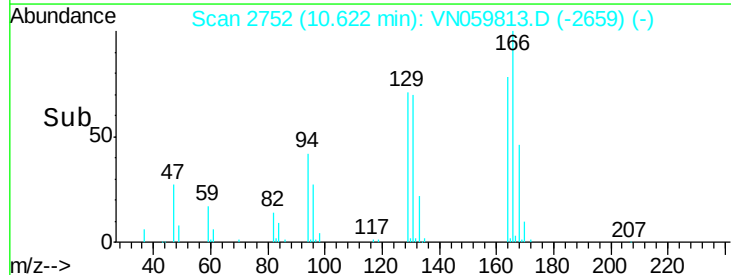
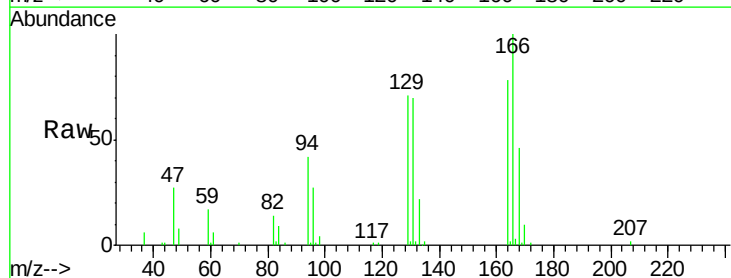
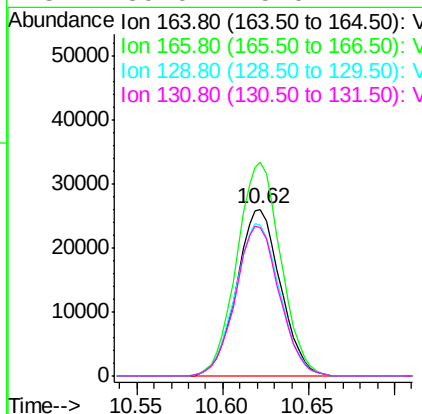
Manual Integrations
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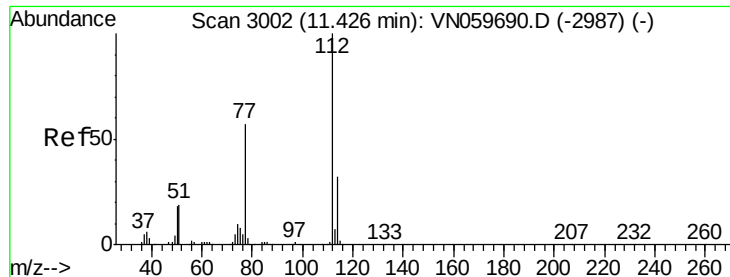
MMDadoda
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#64
Tetrachloroethene
Concen: 20.468 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45902		
166	128.0	101.4	152.0	
129	90.4	80.2	120.4	
131	89.0	75.0	112.4	





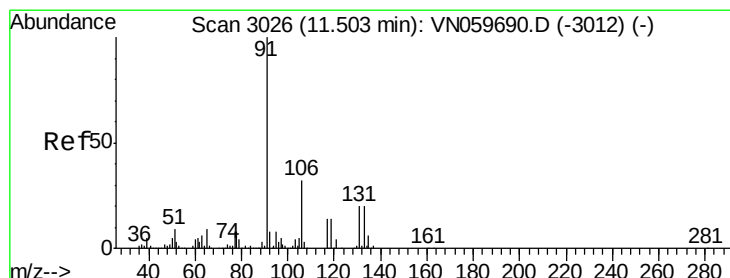
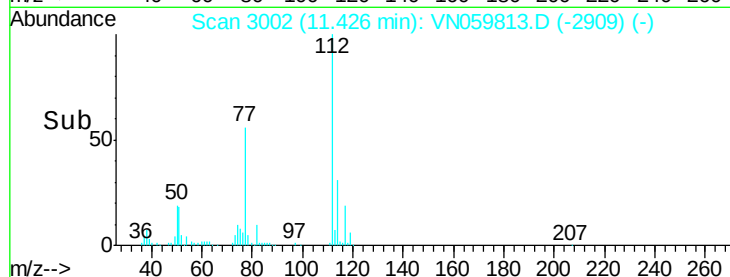
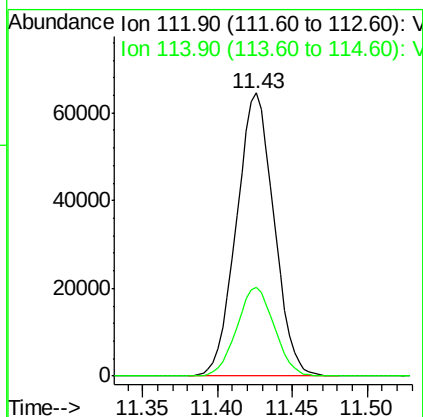
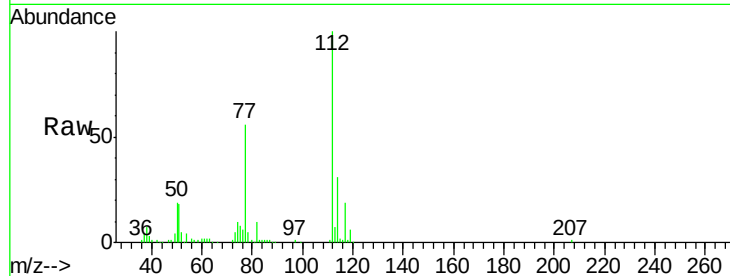
#65
Chlorobenzene
Concen: 20.815 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS03

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.8	38.8

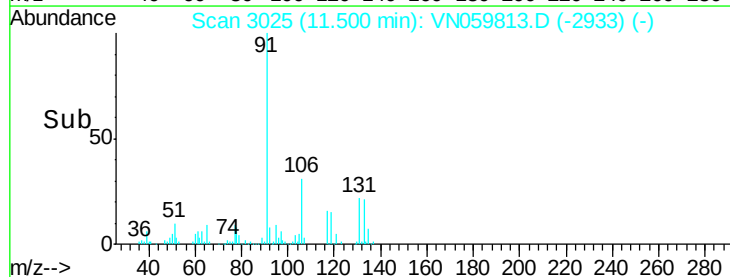
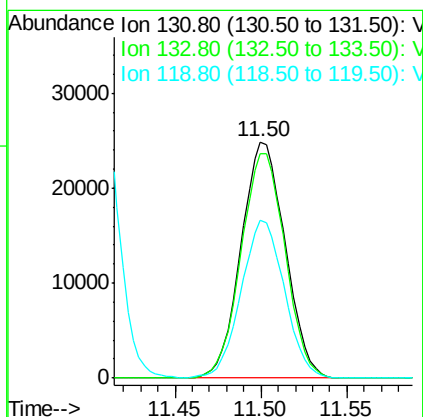
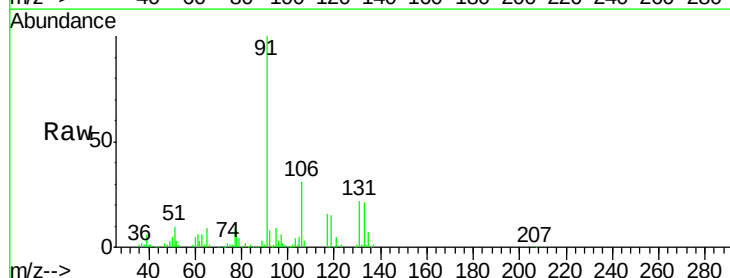
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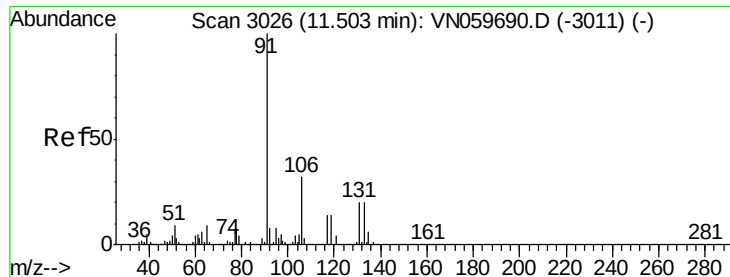
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.173 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.4	142.2
119	65.6	33.1	99.3





#67

Ethyl Benzene

Concen: 20.227 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS03

Tot Ion: 91 Resp: 198586

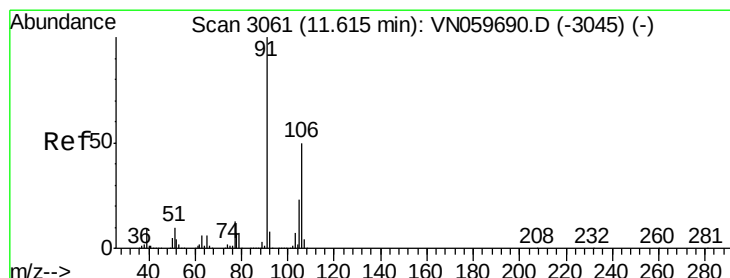
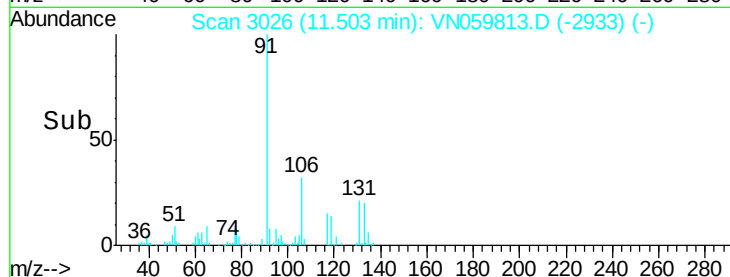
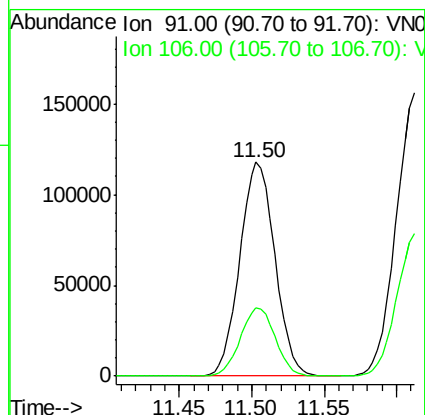
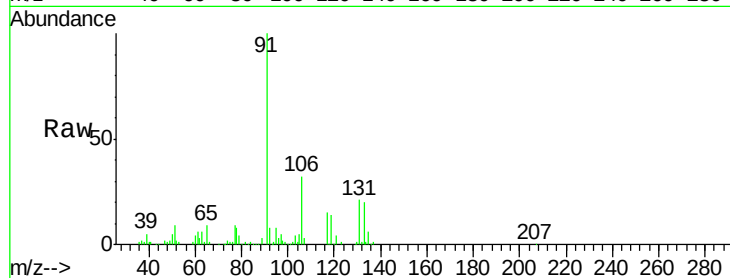
Ion Ratio Lower Upper

91 100

106 31.9 24.1 36.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.946 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059813.D

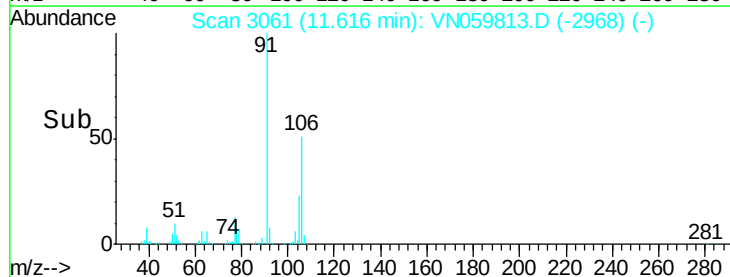
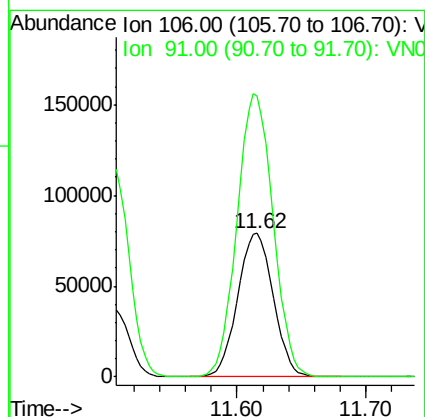
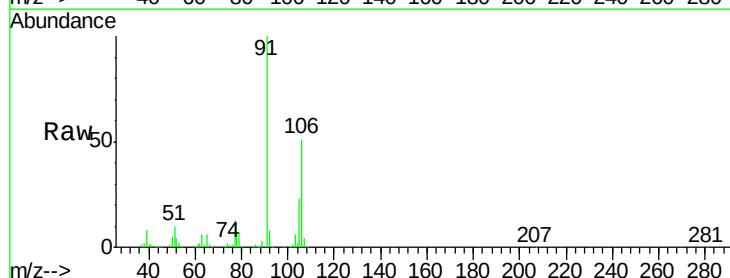
Acq: 21 Jan 2020 17:11

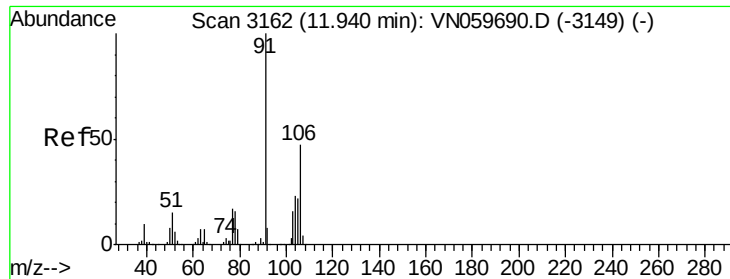
Tgt Ion: 106 Resp: 151858

Ion Ratio Lower Upper

106 100

91 199.7 167.9 251.9





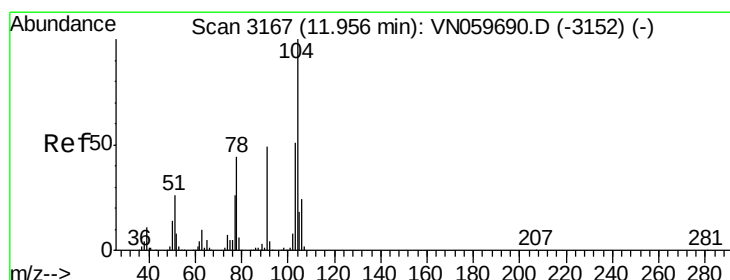
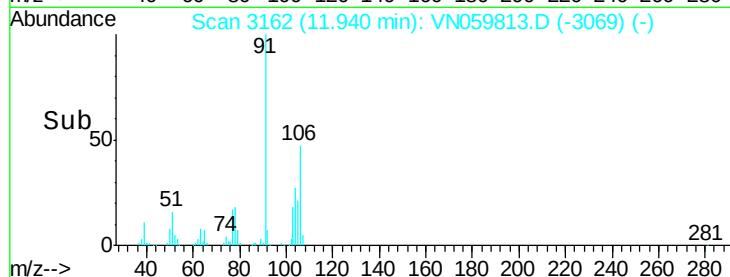
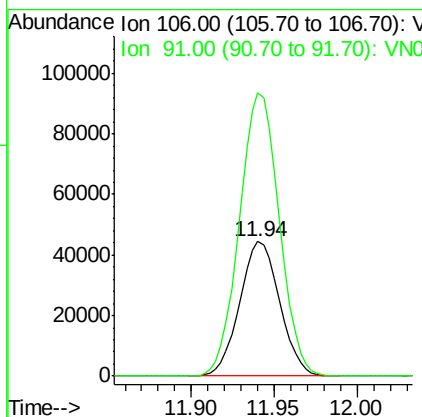
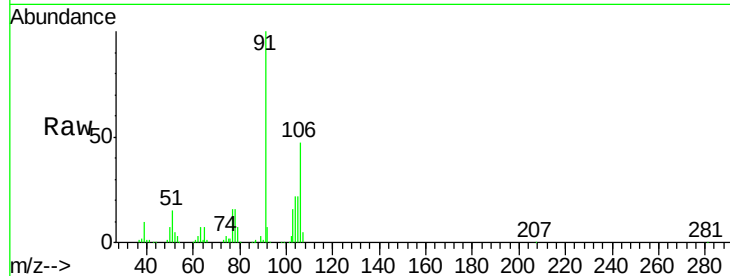
#69
o-Xylene
Concen: 20.553 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampled :
VN0121MBS03

Tot Ion:106 Resp: 74626
Ion Ratio Lower Upper
106 100
91 209.3 110.3 330.9

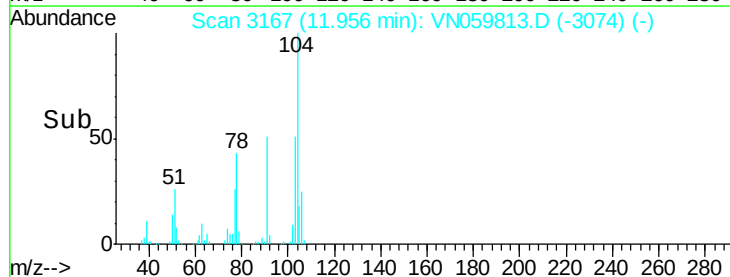
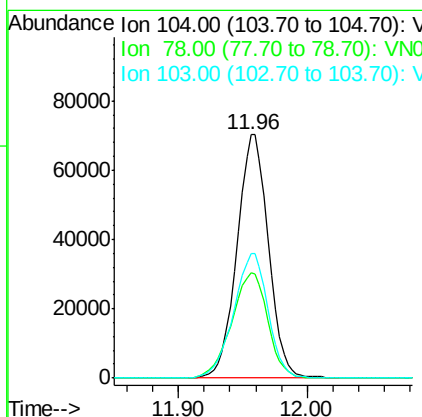
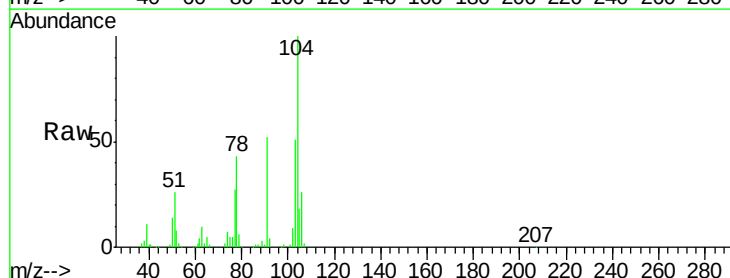
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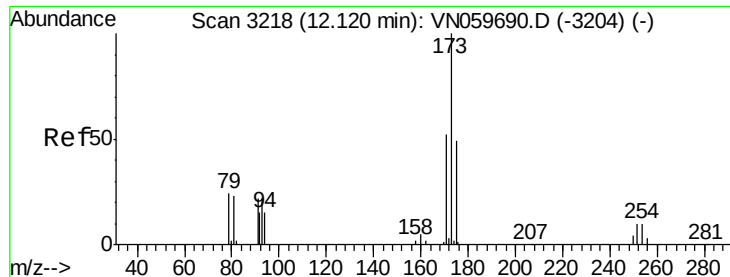
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#70
Styrene
Concen: 19.633 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion:104 Resp: 119283
Ion Ratio Lower Upper
104 100
78 49.3 42.4 63.6
103 55.9 43.9 65.9





#71

Bromoform

Concen: 20.823 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS03

Tot Ion:173 Resp: 34857

Ion Ratio Lower Upper

173 100

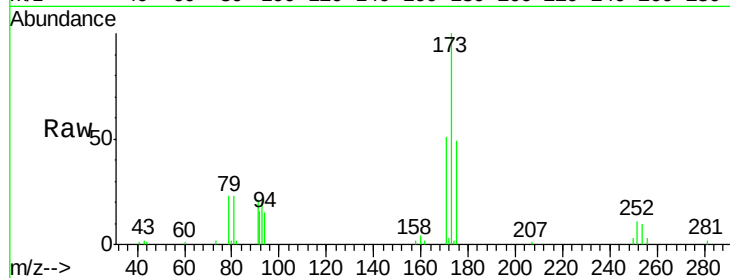
175 48.6 23.8 71.4

254 0.0 0.0 0.0

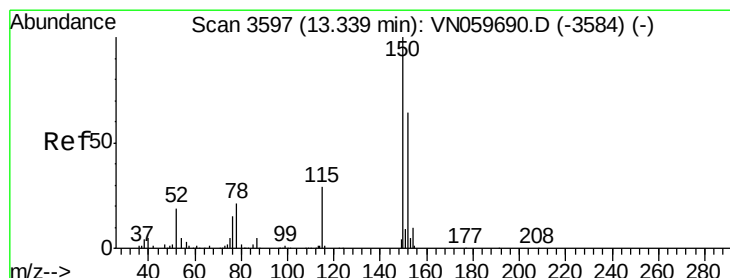
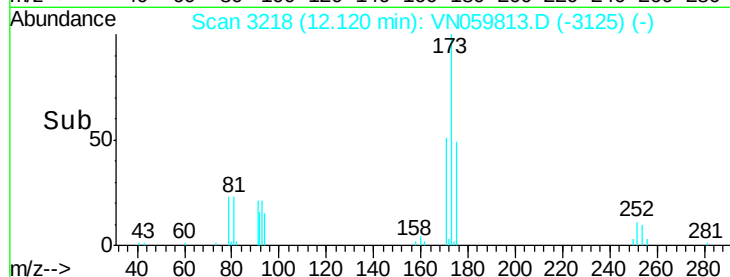
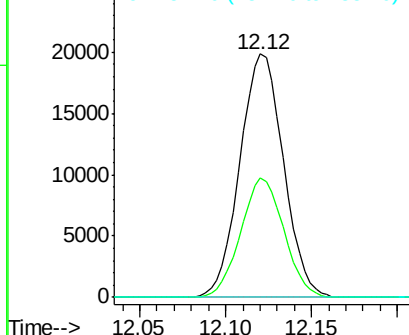
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

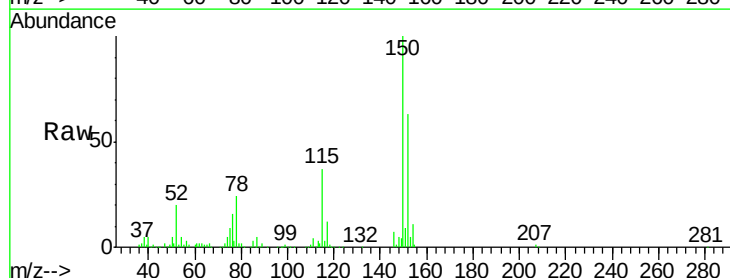
Tgt Ion:152 Resp: 129425

Ion Ratio Lower Upper

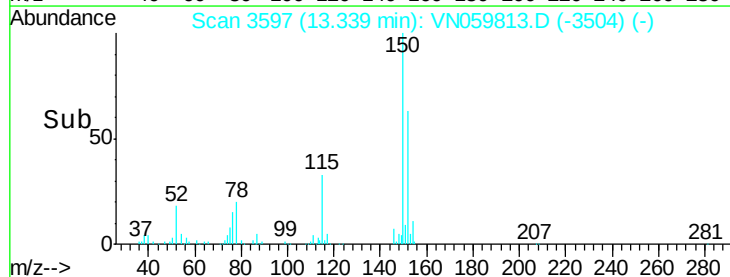
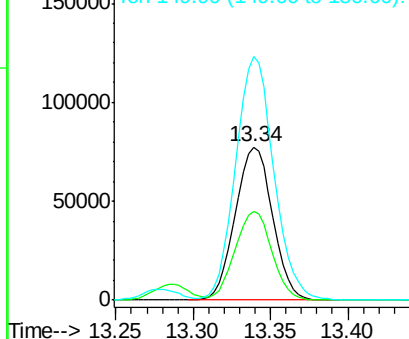
152 100

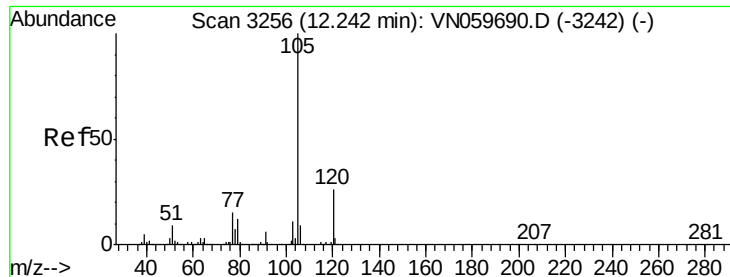
115 57.5 30.3 90.9

150 163.6 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: 21.180 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

ClientSampled :

VN0121MBS03

Tot Ion:105 Resp: 201042

Ion Ratio Lower Upper

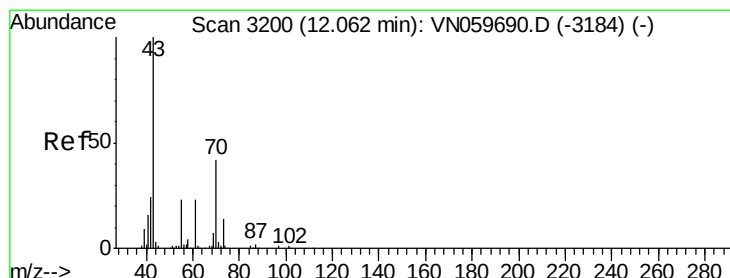
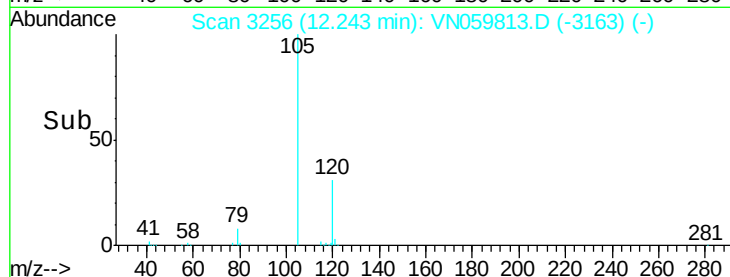
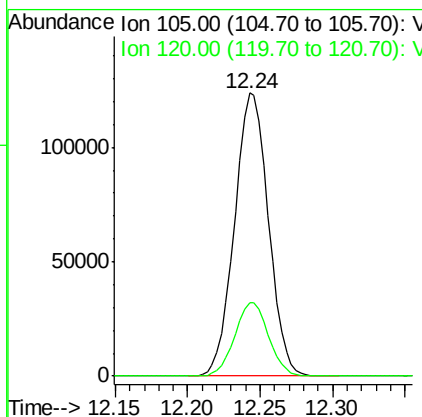
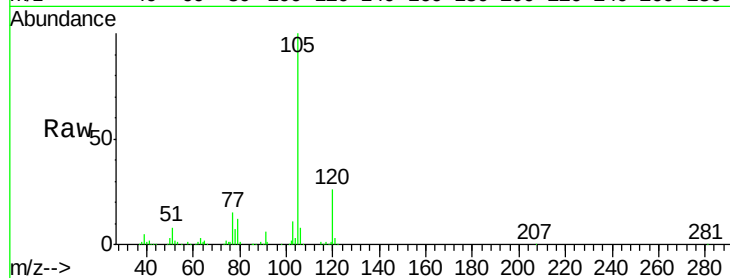
105 100

120 25.8 13.2 39.5

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#74

N-ethyl acetate

Concen: 18.481 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Tgt Ion: 43 Resp: 68068

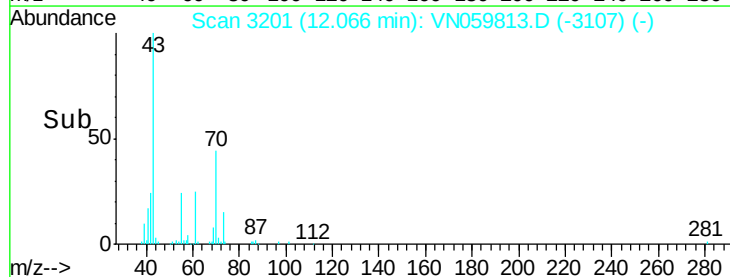
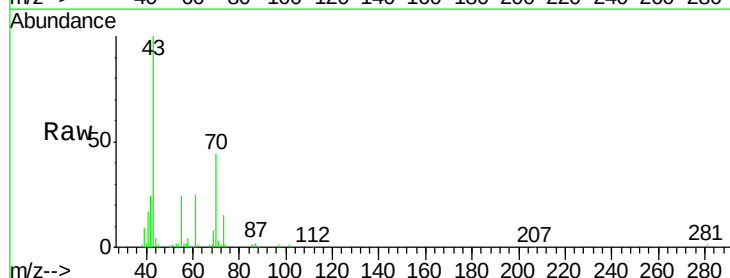
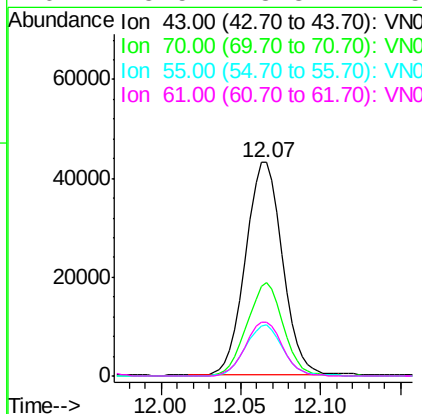
Ion Ratio Lower Upper

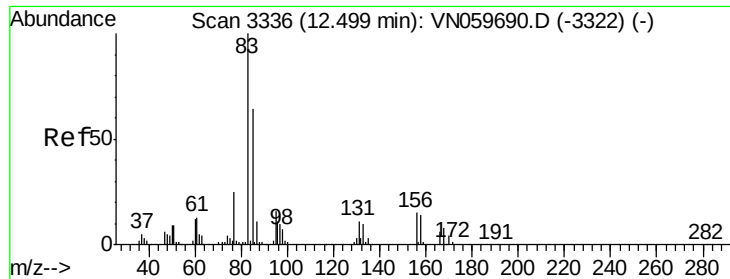
43 100

70 43.2 31.3 46.9

55 24.4 19.8 29.6

61 25.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.032 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

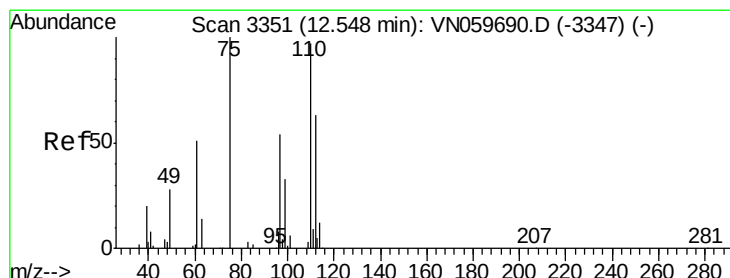
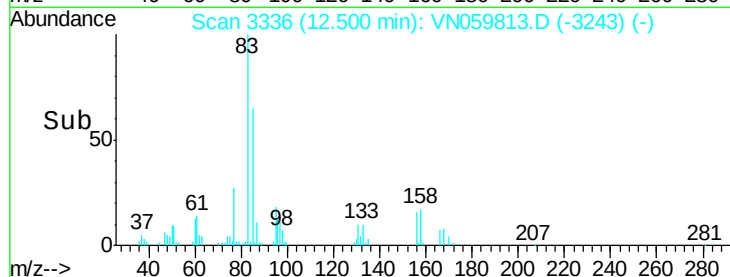
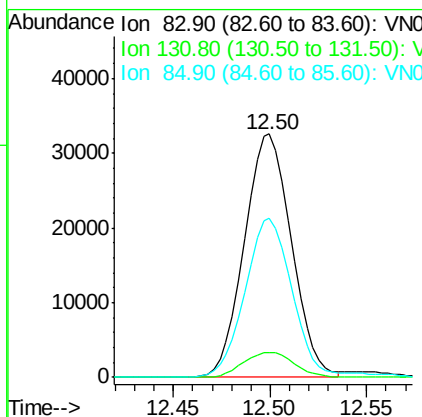
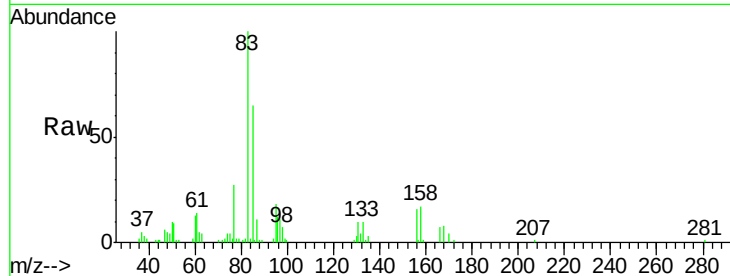
ClientSampleId :

VN0121MBS03

Tot Ion:	83	Resp:	55123
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.0	14.9
85	66.4	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 23.073 ug/l m

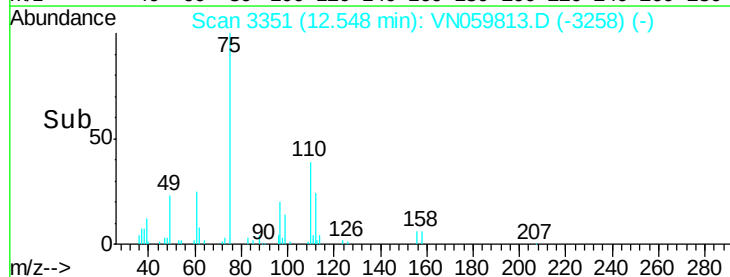
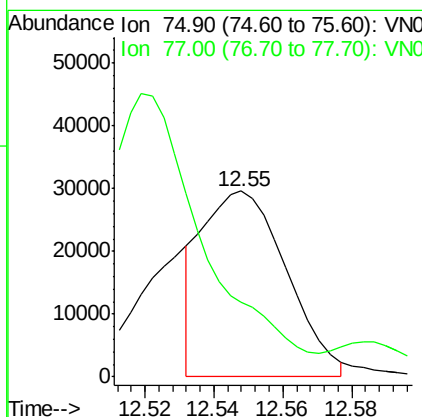
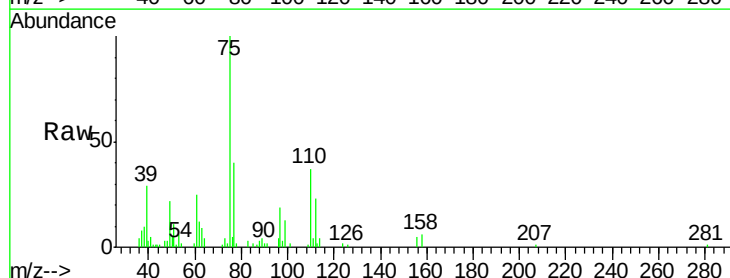
RT: 12.55 min Scan# 3351

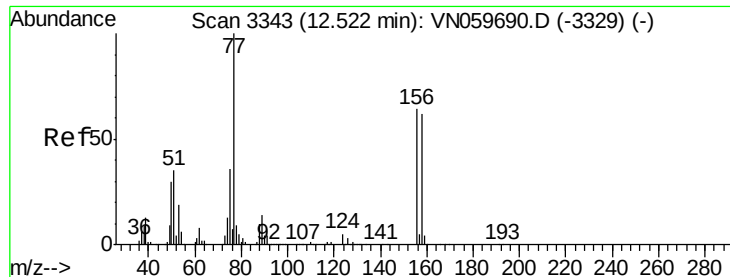
Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Tgt Ion:	75	Resp:	50255
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.962 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

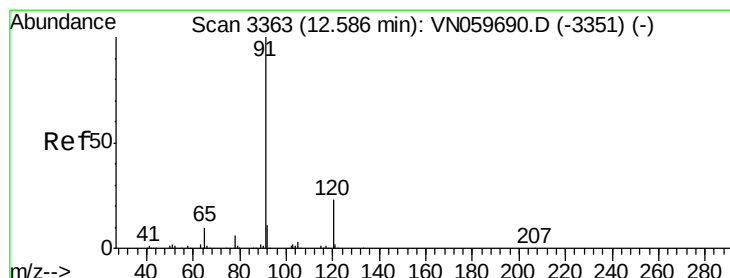
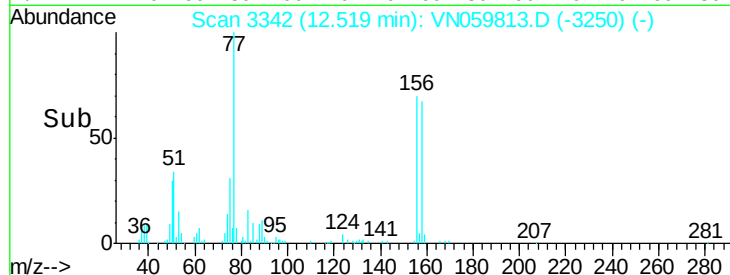
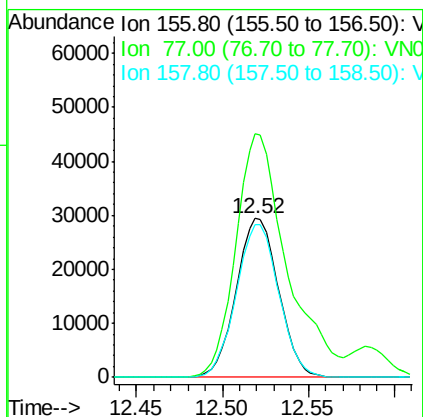
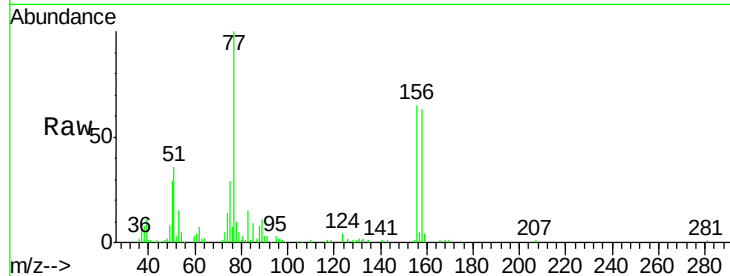
ClientSampleId :

VN0121MBS03

Tot Ion:	156	Resp:	50387
Ion	Ratio	Lower	Upper
156	100		
77	185.6	115.8	347.4
158	97.0	49.2	147.6

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#78

n-propylbenzene

Concen: 20.400 ug/l

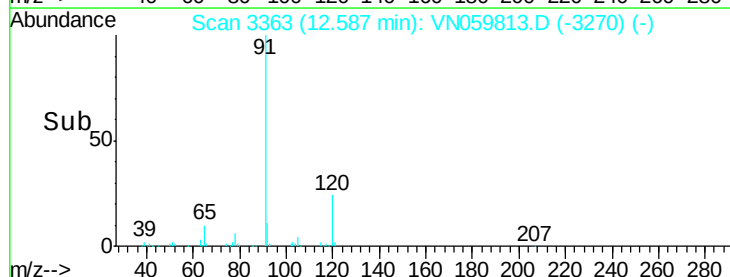
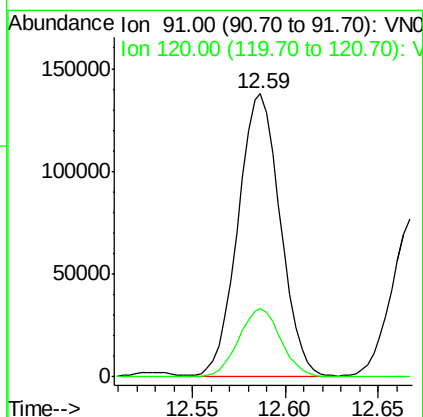
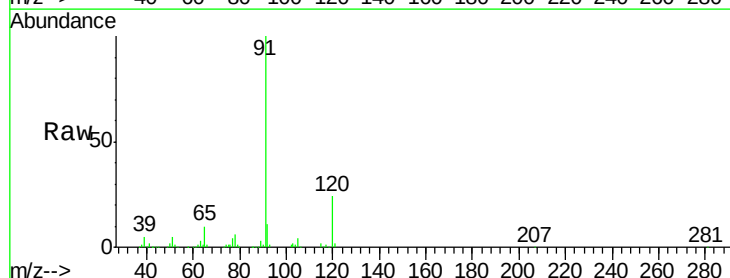
RT: 12.59 min Scan# 3363

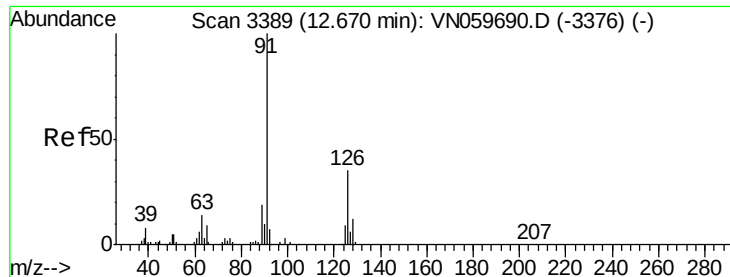
Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Tgt Ion:	91	Resp:	217333
Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.1	33.3





#79

2-Chlorotoluene

Concen: 20.415 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

ClientSampled :

VN0121MBS03

Tot Ion: 91 Resp: 129386

Ion Ratio Lower Upper

91 100

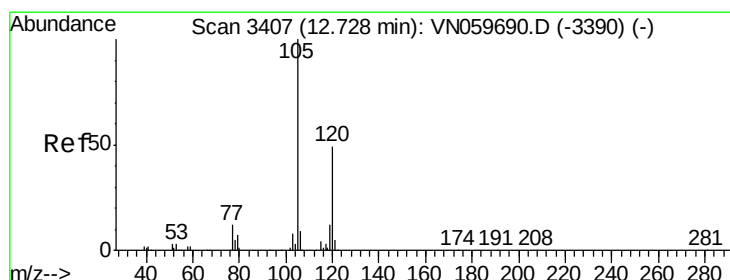
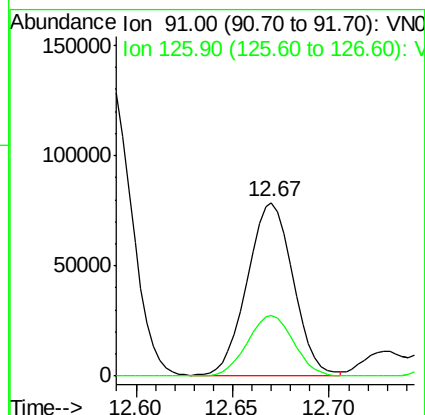
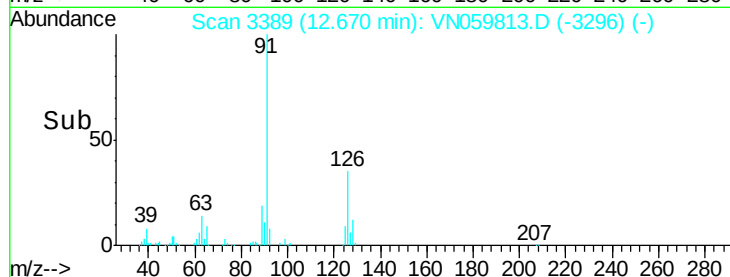
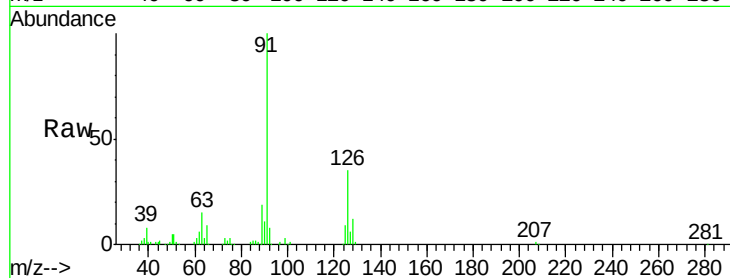
126 35.6 16.3 48.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.758 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059813.D

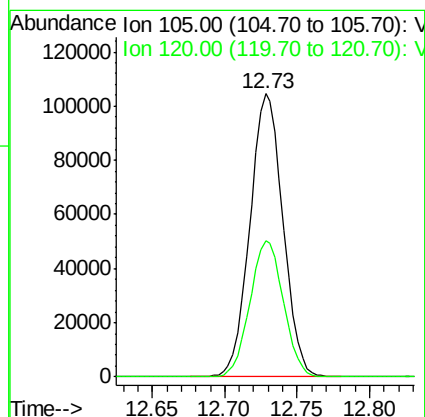
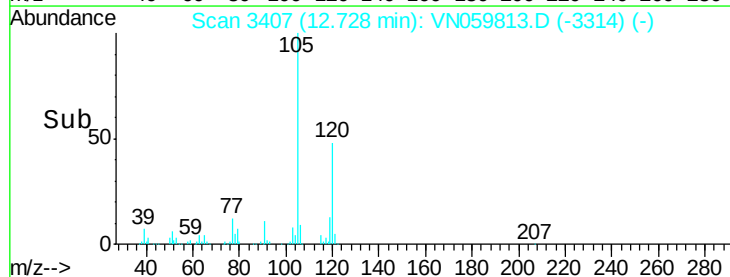
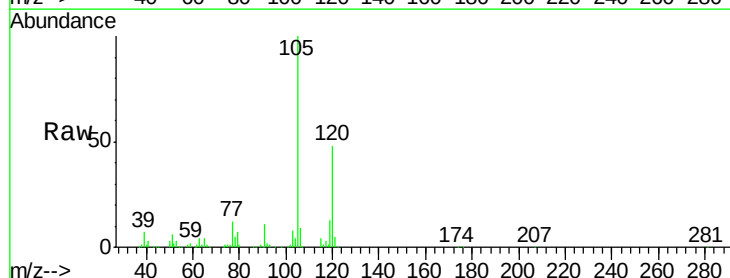
Acq: 21 Jan 2020 17:11

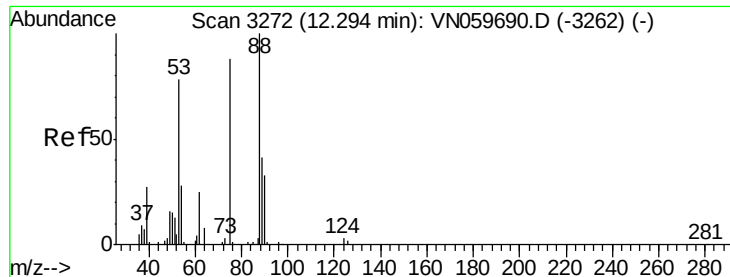
Tgt Ion: 105 Resp: 165709

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.944 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS03

Tot Ion: 75 Resp: 20228

Ion Ratio Lower Upper

75 100

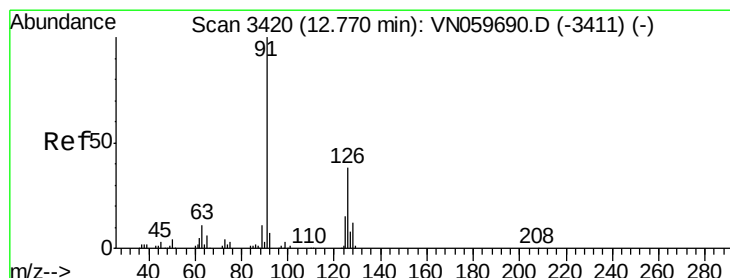
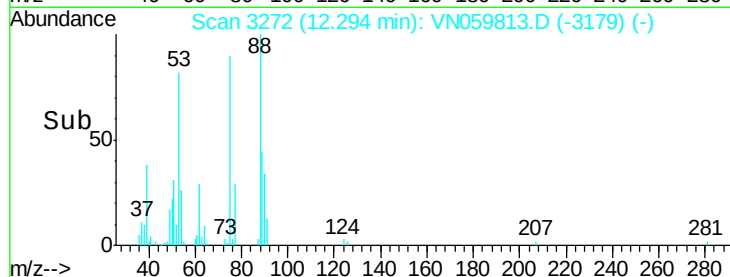
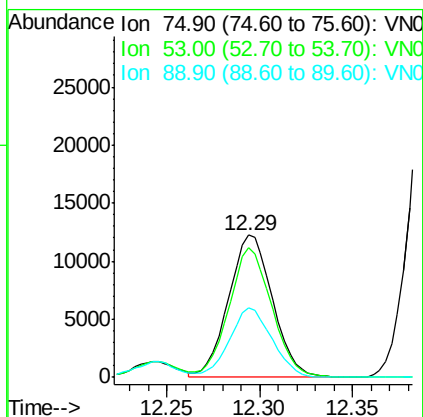
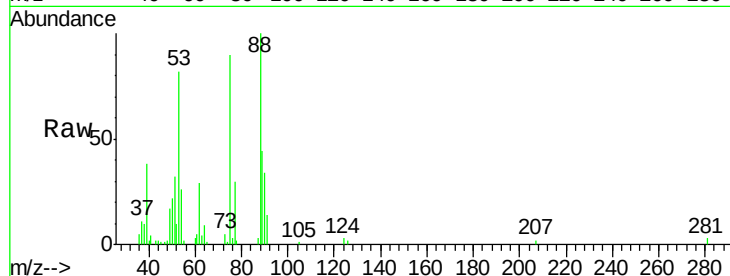
53 89.3 78.1 117.1

89 47.1 35.4 53.2

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#82

4-Chlorotoluene

Concen: 20.635 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059813.D

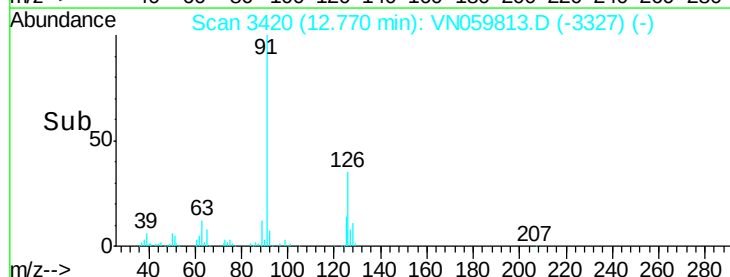
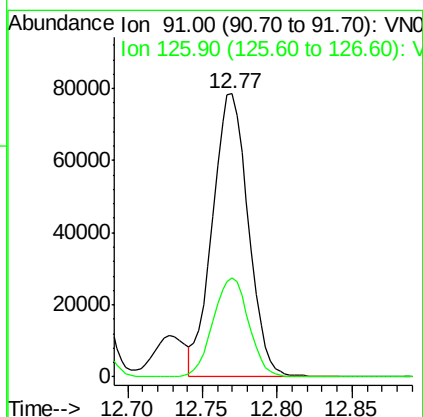
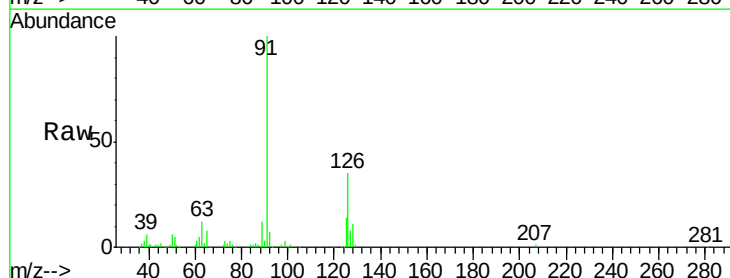
Acq: 21 Jan 2020 17:11

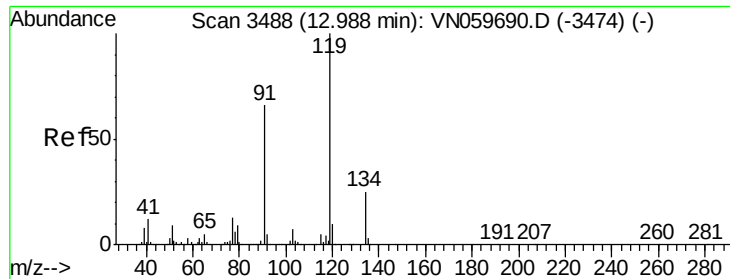
Tgt Ion: 91 Resp: 131175

Ion Ratio Lower Upper

91 100

126 34.7 16.3 48.8





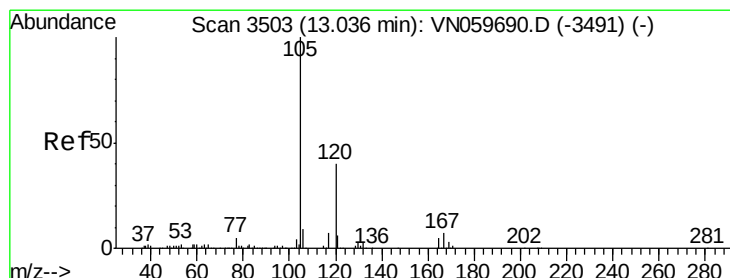
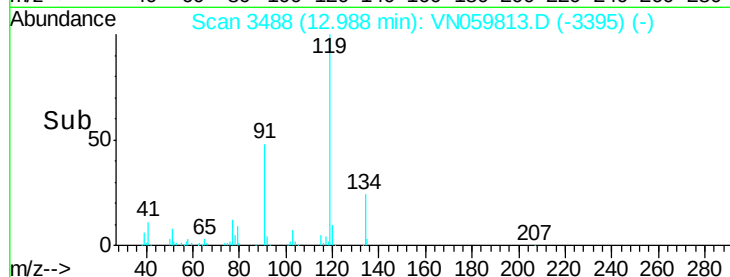
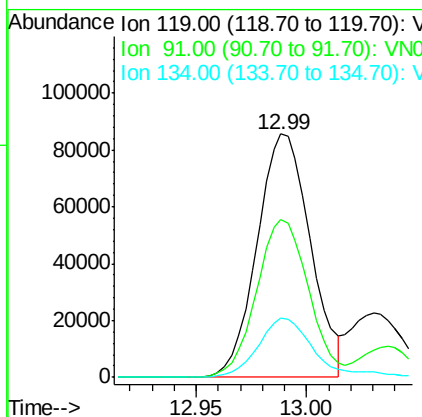
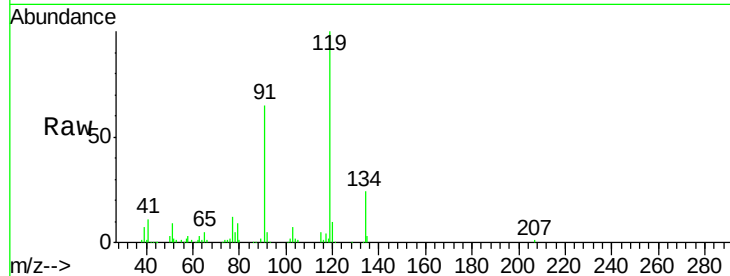
#83
 tert-Butylbenzene
 Concen: 20.793 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS03

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	34.8	104.4
134	25.6	12.3	36.9

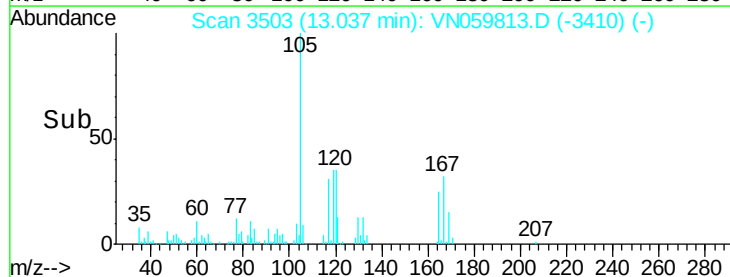
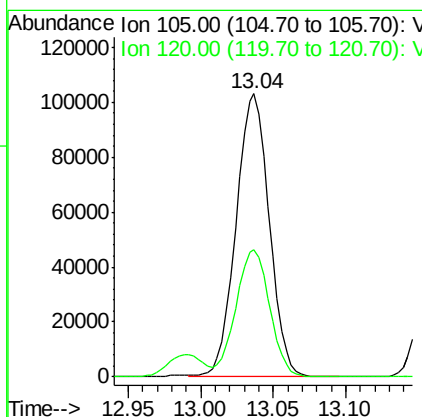
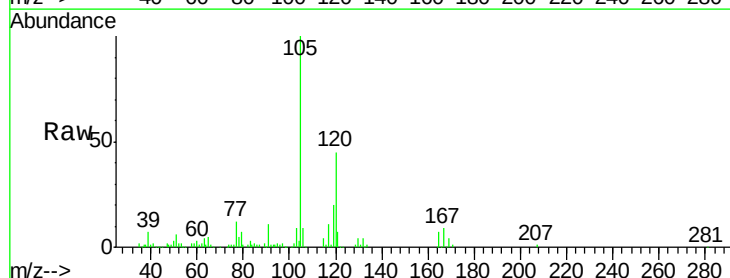
Manual Integrations
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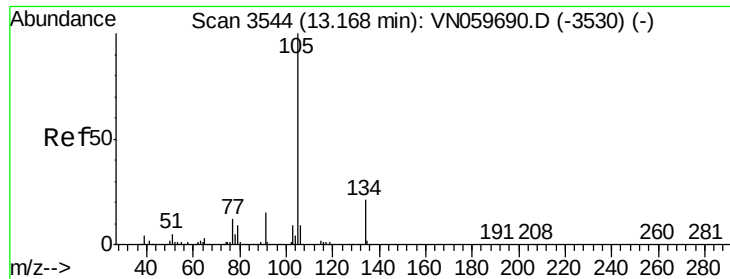
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.789 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.3	66.9





#85

sec-Butylbenzene

Concen: 20.628 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

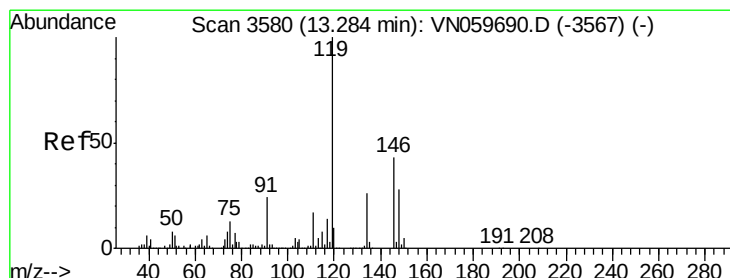
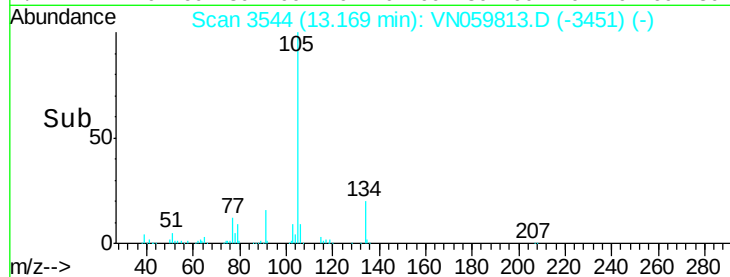
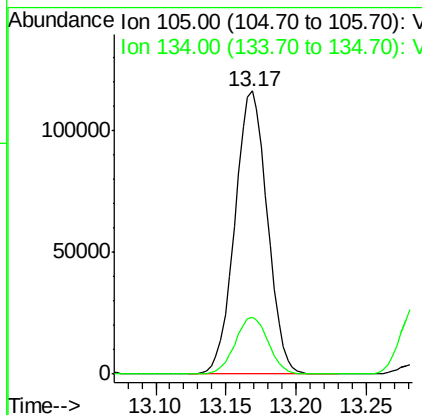
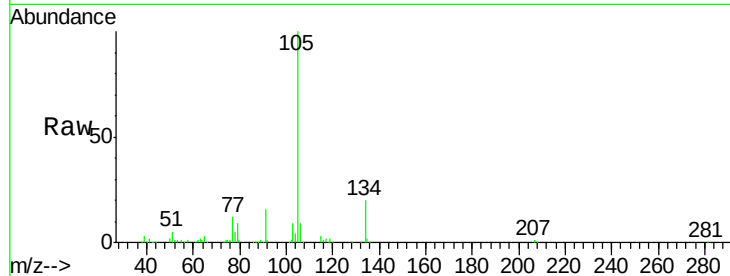
ClientSampleId :

VN0121MBS03

Tot Ion	Ratio	Resp	Lower	Upper
105	100	187118		
134	20.5	9.8	29.5	

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#86

p-Isopropyltoluene

Concen: 20.484 ug/l

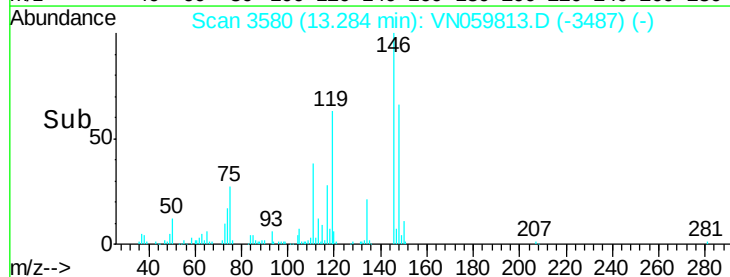
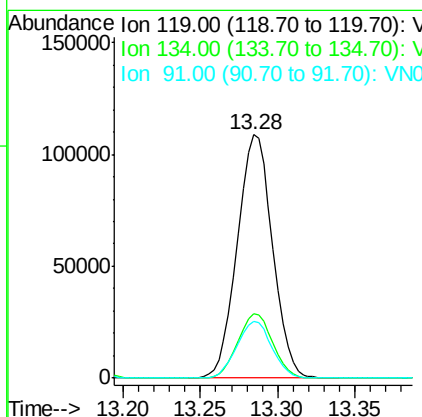
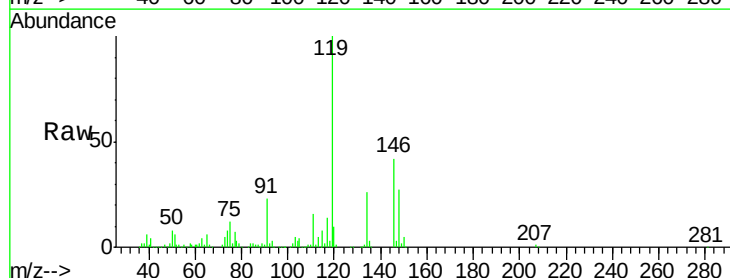
RT: 13.28 min Scan# 3580

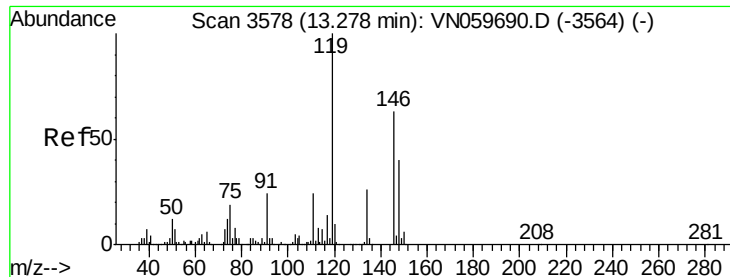
Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	171925		
134	26.3	12.9	38.7	
91	23.4	12.4	37.4	





#87

1,3-Dichlorobenzene

Concen: 20.786 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059813.D

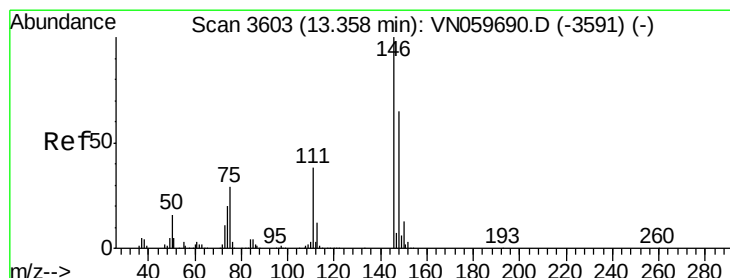
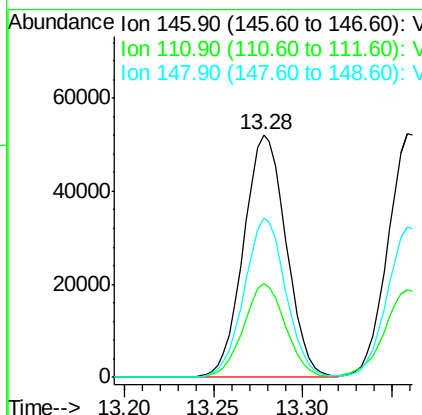
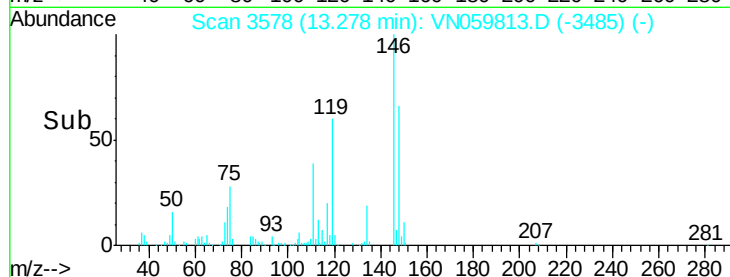
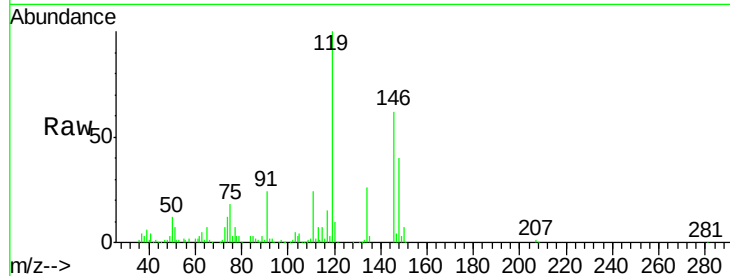
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.8	62.2
148	64.1	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.845 ug/l

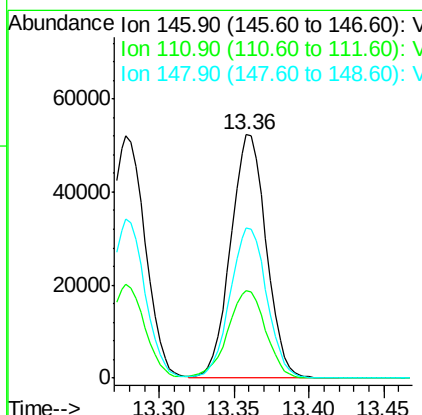
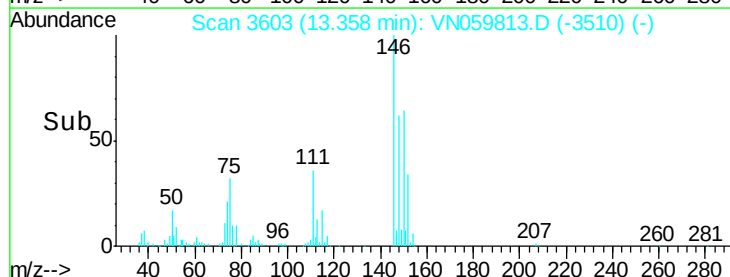
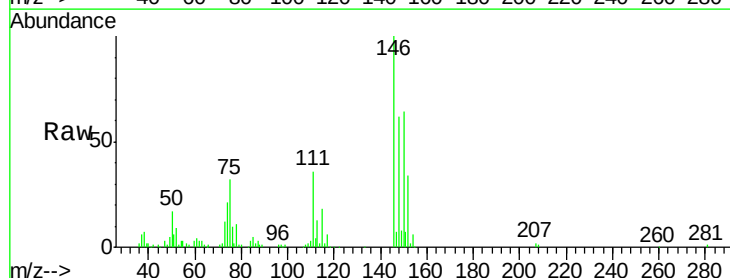
RT: 13.36 min Scan# 3603

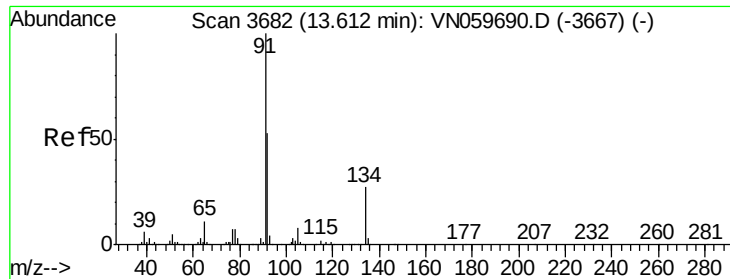
Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.8	62.2
148	63.4	31.8	95.4





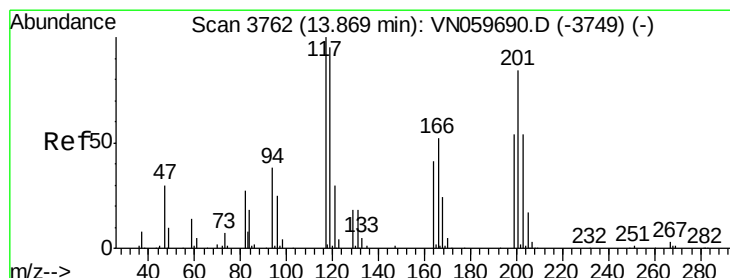
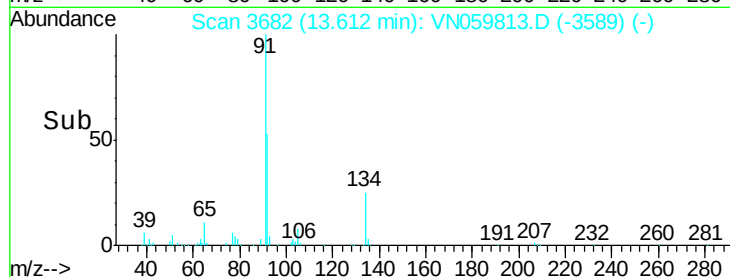
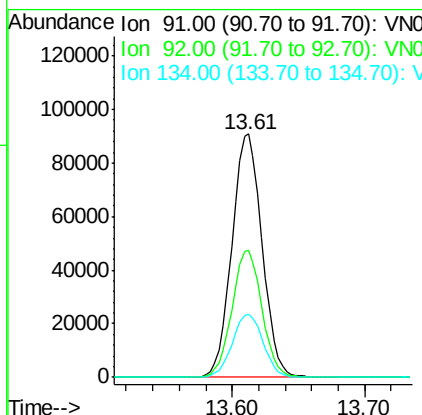
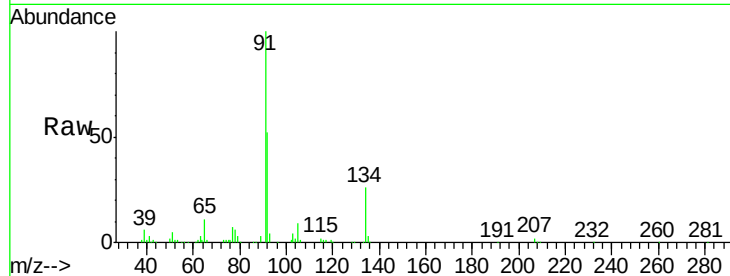
#89
n-Butylbenzene
Concen: 20.038 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.9	77.7
134	26.5	12.3	36.8

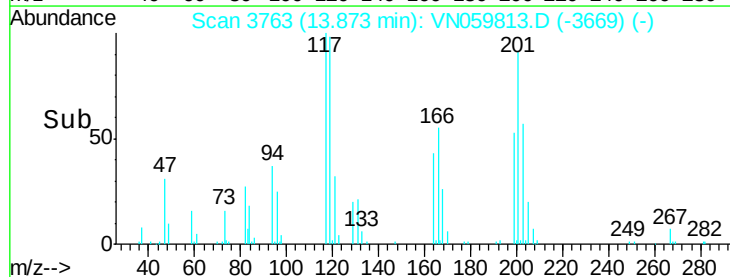
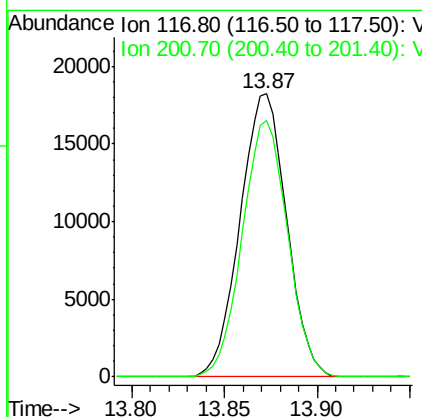
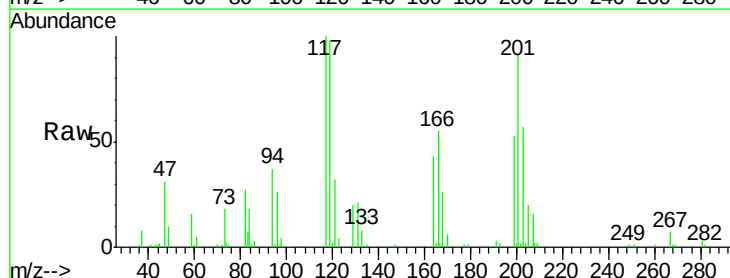
Manual Integrations
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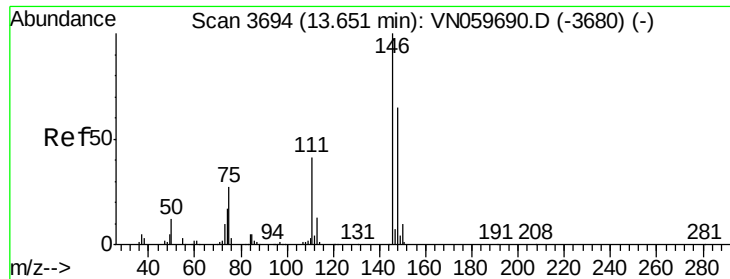
MMDadoda
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#90
Hexachloroethane
Concen: 20.163 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059813.D
Acq: 21 Jan 2020 17:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.5	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 20.760 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

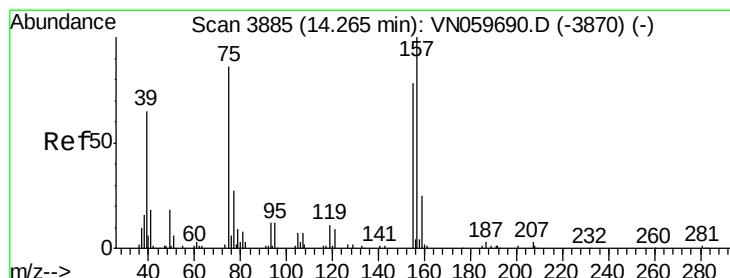
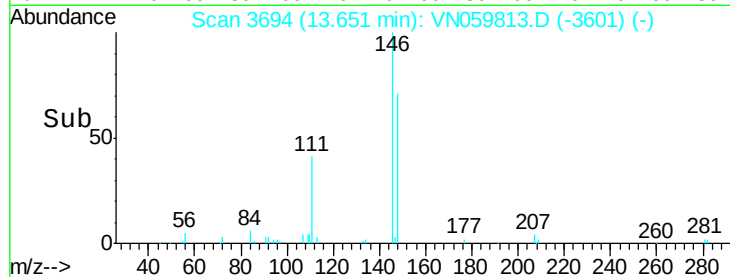
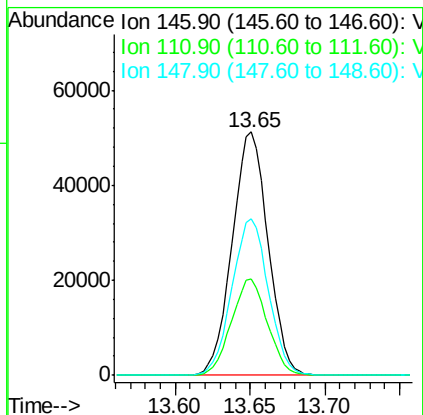
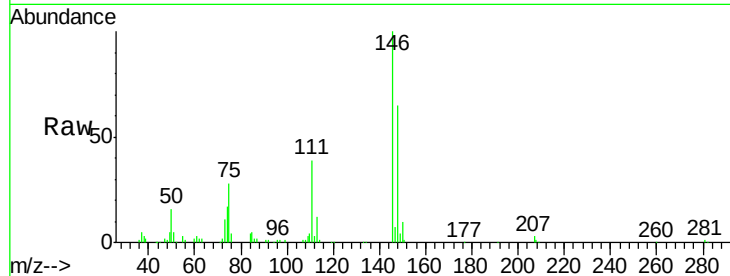
ClientSampleId :

VN0121MBS03

Tot Ion:	146	Resp:	85693
Ion Ratio	Lower	Upper	
146	100		
111	39.6	21.6	64.8
148	65.1	31.6	95.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.872 ug/l

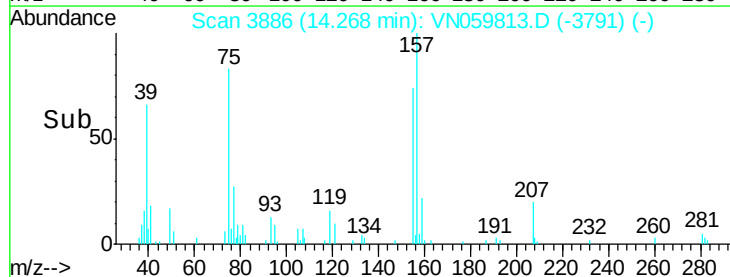
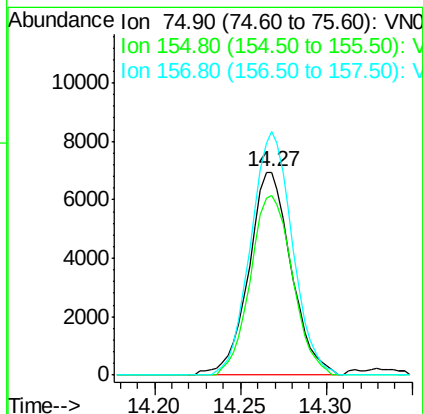
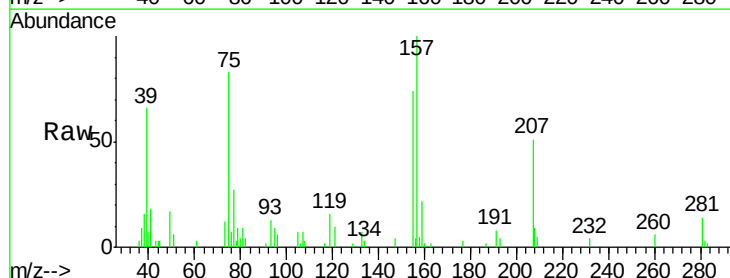
RT: 14.27 min Scan# 3886

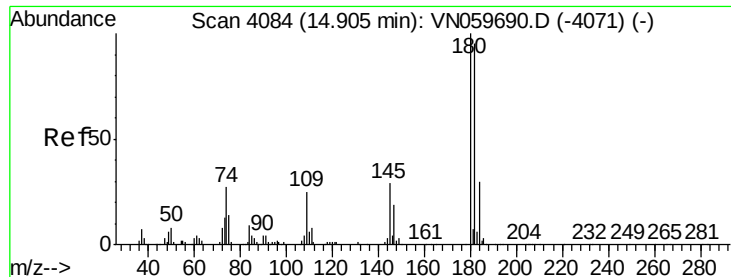
Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Tgt Ion:	75	Resp:	11914
Ion Ratio	Lower	Upper	
75	100		
155	87.2	37.0	110.9
157	117.1	48.4	145.2





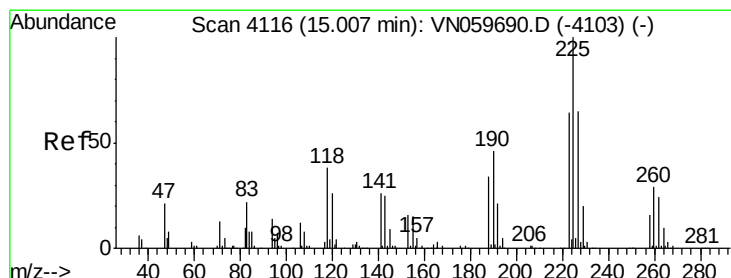
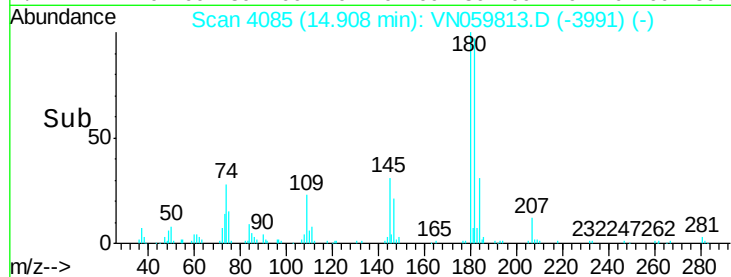
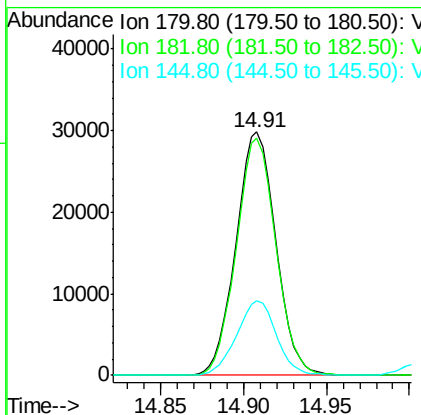
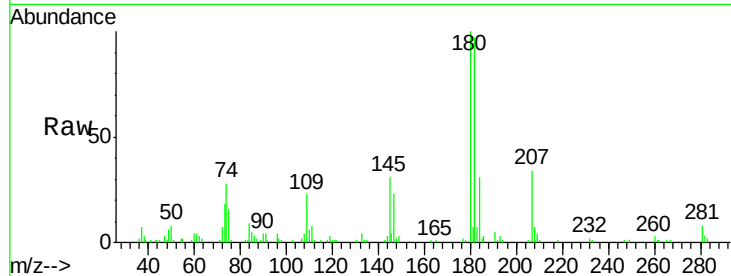
#93
 1,2,4-Trichlorobenzene
 Concen: 20.184 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS03

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.9	140.7
145	30.5	15.0	45.1

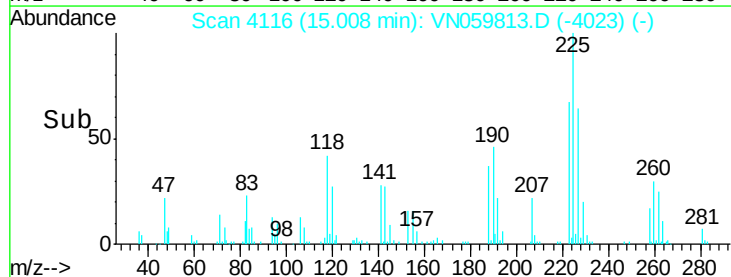
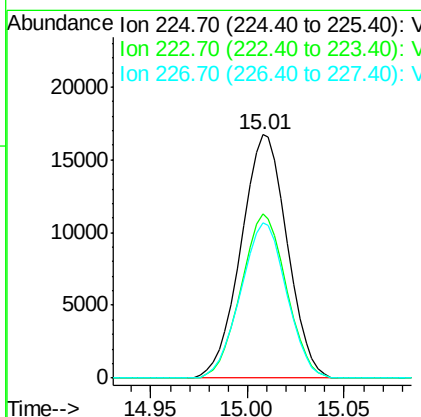
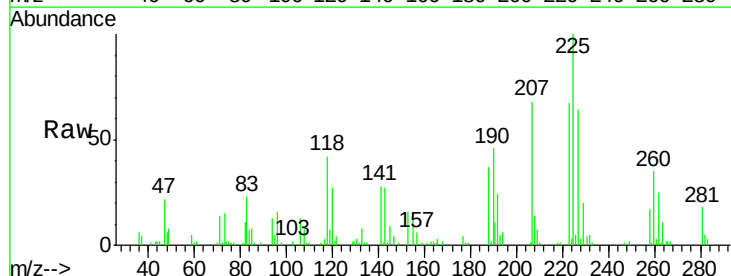
Manual Integrations
 APPROVED

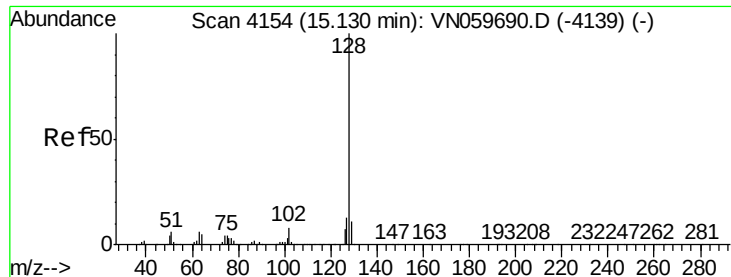
MMDadoda
 1/22/2020 11:15:10 AM



#94
 Hexachlorobutadiene
 Concen: 20.328 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059813.D
 Acq: 21 Jan 2020 17:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.8	31.8	95.3
227	63.4	32.1	96.5





#95

Naphthalene

Concen: 19.379 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Instrument :

MSVOA_N

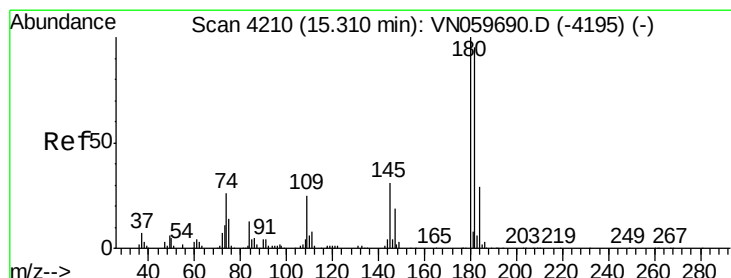
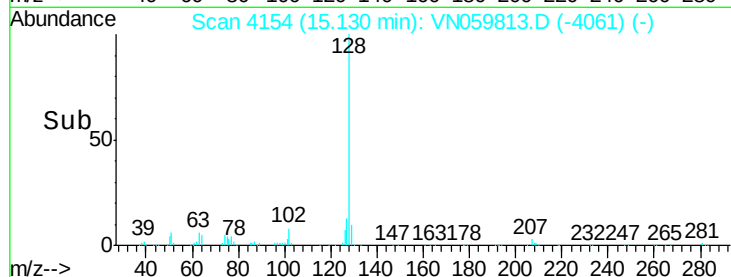
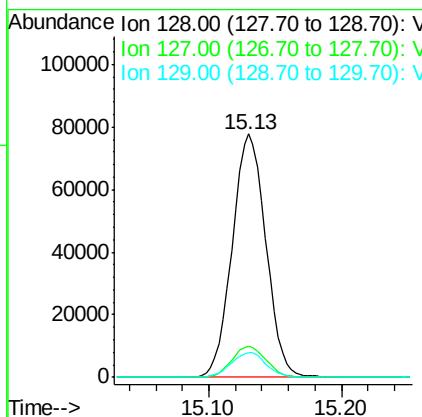
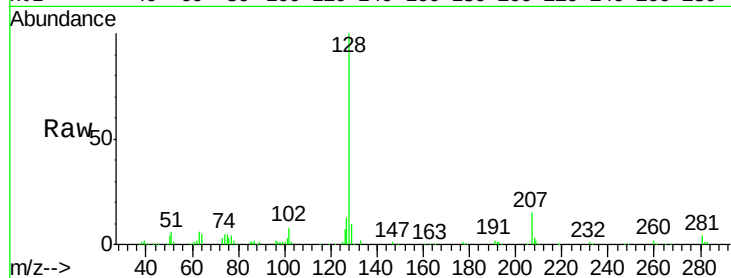
ClientSampleId :

VN0121MBS03

Tot Ion:	128	Resp:	136719
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:15:10 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.651 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059813.D

Acq: 21 Jan 2020 17:11

Tgt Ion:	180	Resp:	49858
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.4	142.3
145	31.9	16.3	48.9

