

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
 Data File : VN059814.D
 Acq On : 21 Jan 2020 17:34
 Operator : JC/MD
 Sample : VN0121MBSD03
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD03

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

Quant Time: Jan 22 03:43:25 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	196849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	303501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	271168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	125013	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	106145	48.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.12%	
35) Dibromofluoromethane	7.57	113	89984	49.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.44%	
50) Toluene-d8	10.08	98	342356	48.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	12.40	95	118131	46.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	43048	18.216	ug/l	99
3) Chloromethane	2.04	50	39712	17.621	ug/l	97
4) Vinyl Chloride	2.17	62	51649	20.030	ug/l	99
5) Bromomethane	2.54	94	30435	19.341	ug/l	97
6) Chloroethane	2.68	64	23833	19.536	ug/l	99
7) Trichlorofluoromethane	3.00	101	60369	19.494	ug/l	99
8) Diethyl Ether	3.38	74	21140	19.452	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34474	20.002	ug/l	92
10) Methyl Iodide	3.93	142	52003	18.667	ug/l	95
11) Tert butyl alcohol	4.73	59	34750	94.426	ug/l	97
12) 1,1-Dichloroethene	3.72	96	34126	18.949	ug/l	89
13) Acrolein	3.58	56	15179	58.267	ug/l	98
14) Allyl chloride	4.29	41	44468	18.319	ug/l #	85
15) Acrylonitrile	4.95	53	79957	95.248	ug/l	99
16) Acetone	3.78	43	77920	98.437	ug/l	96
17) Carbon Disulfide	4.03	76	90562	17.652	ug/l	99
18) Methyl Acetate	4.29	43	48791	19.108	ug/l #	89
19) Methyl tert-butyl Ether	5.01	73	114966	19.579	ug/l	95
20) Methylene Chloride	4.52	84	39088	18.960	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	36360	18.993	ug/l	84
22) Diisopropyl ether	5.92	45	102353	18.606	ug/l #	93
23) Vinyl Acetate	5.86	43	403361	94.703	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	62840	18.695	ug/l	97
25) 2-Butanone	6.80	43	108658	87.772	ug/l #	88
26) 2,2-Dichloropropane	6.80	77	60926	18.854	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	43257	19.645	ug/l	86
28) Bromochloromethane	7.17	49	24556	18.278	ug/l #	70
29) Tetrahydrofuran	7.18	42	69206	90.354	ug/l #	86
30) Chloroform	7.35	83	68291	19.608	ug/l	99
31) Cyclohexane	7.63	56	58083	17.958	ug/l #	86
32) 1,1,1-Trichloroethane	7.55	97	62432	19.388	ug/l	95
36) 1,1-Dichloropropene	7.77	75	48377	18.304	ug/l	96
37) Ethyl Acetate	6.90	43	45599	18.395	ug/l	96
38) Carbon Tetrachloride	7.75	117	56431	19.628	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	59598	18.288	ug/l	92
40) Benzene	8.02	78	148707	18.866	ug/l	100
41) Methacrylonitrile	7.14	41	16833m	13.786	ug/l	
42) 1,2-Dichloroethane	8.10	62	52088	19.490	ug/l	97
43) Isopropyl Acetate	8.14	43	76878	18.030	ug/l #	94
44) Trichloroethene	8.82	130	42568	19.782	ug/l	97
45) 1,2-Dichloropropane	9.10	63	37682	19.319	ug/l	98
46) Dibromomethane	9.19	93	26700	19.406	ug/l #	89
47) Bromodichloromethane	9.39	83	54795	19.763	ug/l	96
48) Methyl methacrylate	9.18	41	32375	16.975	ug/l #	84
49) 1,4-Dioxane	9.18	88	13094	375.038	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	225433	91.462	ug/l	95
52) Toluene	10.14	92	94465	18.973	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	58474	18.888	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	63120	19.377	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	38623	19.586	ug/l	97
56) Ethyl methacrylate	10.42	69	53960	17.908	ug/l	93
57) 1,3-Dichloropropane	10.70	76	61776	19.733	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	79904	88.043	ug/l #	90
59) 2-Hexanone	10.74	43	163427	90.002	ug/l	94
60) Dibromochloromethane	10.89	129	43876	19.539	ug/l	99
61) 1,2-Dibromoethane	10.99	107	39760	19.237	ug/l	99
64) Tetrachloroethene	10.62	164	43633	19.743	ug/l	93
65) Chlorobenzene	11.43	112	102638	19.257	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40299	19.568	ug/l	99
67) Ethyl Benzene	11.50	91	184107	19.028	ug/l	100
68) m/p-Xylenes	11.62	106	140325	38.394	ug/l	93
69) o-Xylene	11.94	106	67748	18.934	ug/l	94
70) Styrene	11.96	104	108670	18.150	ug/l	96
71) Bromoform	12.12	173	32501	19.702	ug/l #	98
73) Isopropylbenzene	12.25	105	181014	19.743	ug/l	99
74) N-amyl acetate	12.07	43	63150	17.751	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	51864	19.513	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	48190m	22.906	ug/l	
77) Bromobenzene	12.52	156	47236	20.345	ug/l	80
78) n-propylbenzene	12.59	91	198795	19.318	ug/l	97
79) 2-Chlorotoluene	12.67	91	118368	19.335	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	149598	19.402	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	18883	19.275	ug/l	94
82) 4-Chlorotoluene	12.77	91	121240	19.745	ug/l	97
83) tert-Butylbenzene	12.99	119	133253	19.982	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	148808	19.508	ug/l	97
85) sec-Butylbenzene	13.17	105	170408	19.449	ug/l	99
86) p-Isopropyltoluene	13.29	119	155670	19.202	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	79170	19.630	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	76956	19.127	ug/l	98
89) n-Butylbenzene	13.61	91	129232	18.695	ug/l	98
90) Hexachloroethane	13.87	117	28838	19.012	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	77873	19.531	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11472	18.806	ug/l	82

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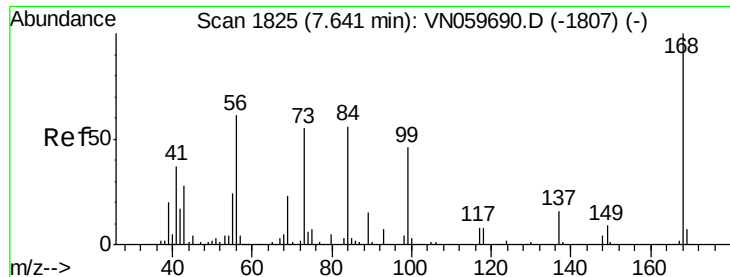
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45988	19.195	ug/l	99
94) Hexachlorobutadiene	15.01	225	26016	19.706	ug/l	100
95) Naphthalene	15.13	128	126004	18.490	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	45677	19.587	ug/l	98

(#) = 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: VN059814.D

Acq: 21 Jan 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD03

Tot Ion:168 Resp: 196849

Ion Ratio Lower Upper

168 100

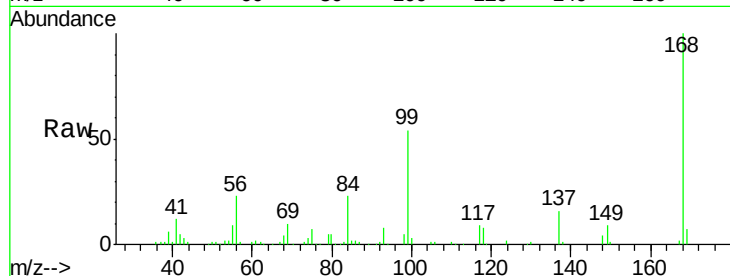
99 53.8 48.2 72.4

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

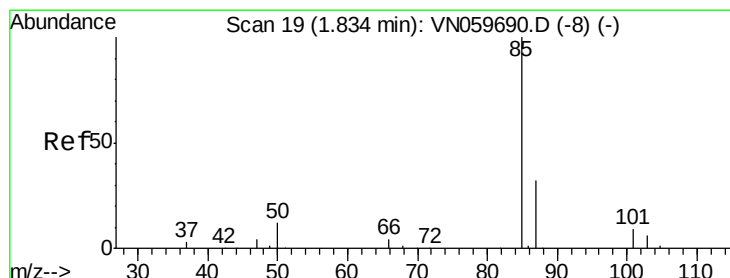
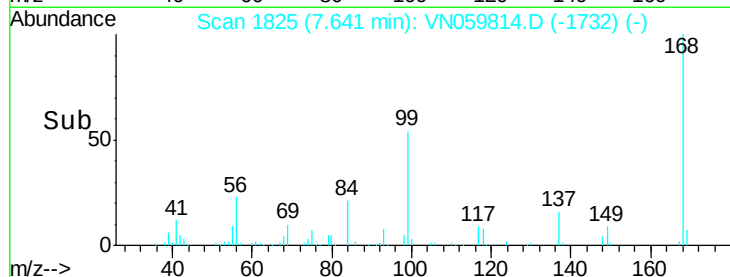
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.216 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059814.D

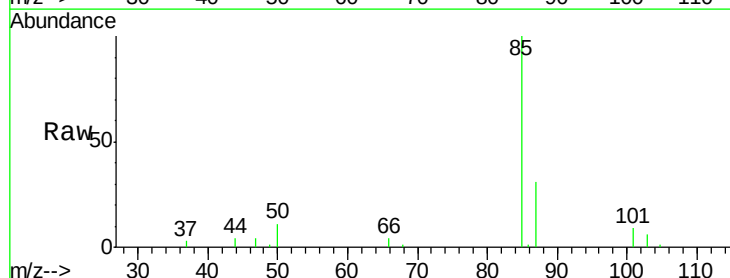
Acq: 21 Jan 2020 17:34

Tgt Ion: 85 Resp: 43048

Ion Ratio Lower Upper

85 100

87 31.2 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

30000

20000

10000

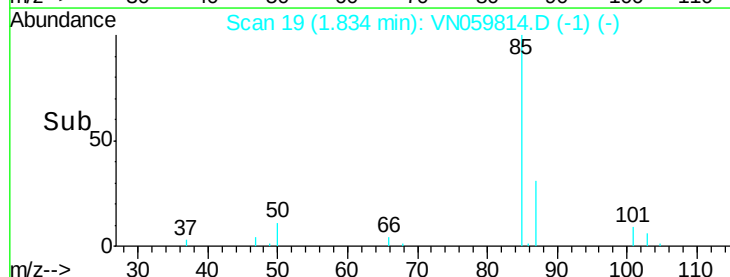
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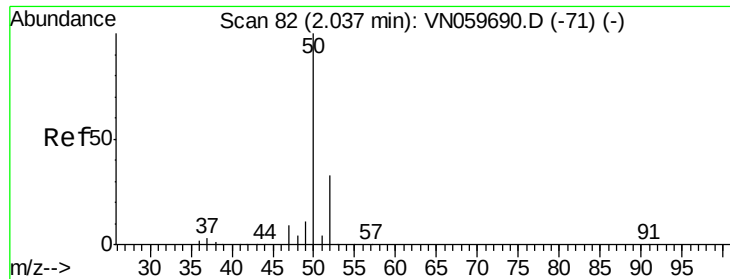
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 17.621 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD03

Tot Ion: 50 Resp: 39712

Ion Ratio Lower Upper

50 100

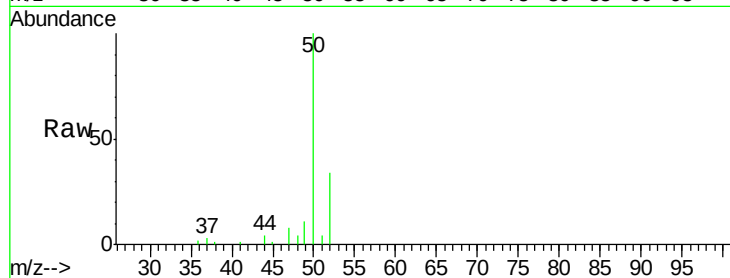
52 34.3 25.9 38.9

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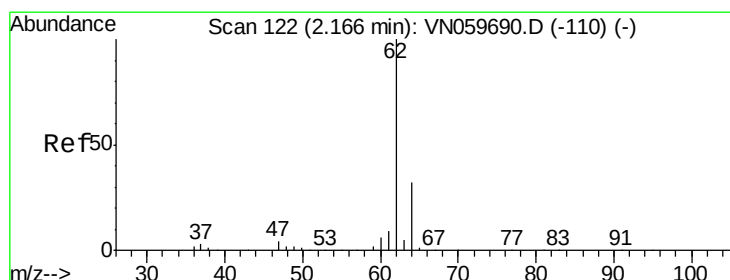
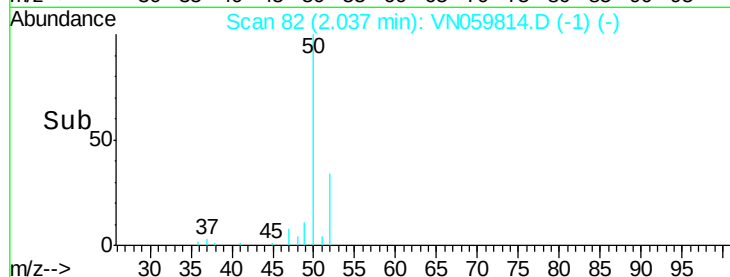
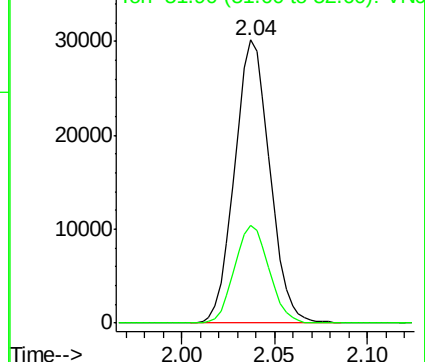
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 20.030 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059814.D

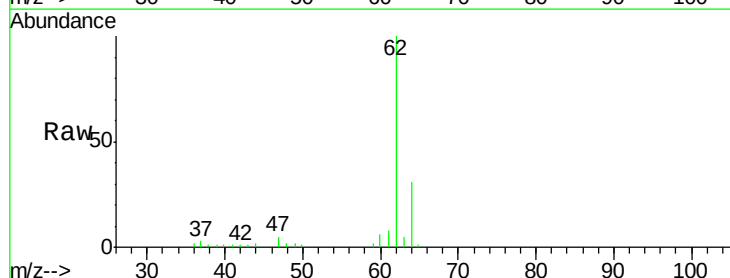
Acq: 21 Jan 2020 17:34

Tgt Ion: 62 Resp: 51649

Ion Ratio Lower Upper

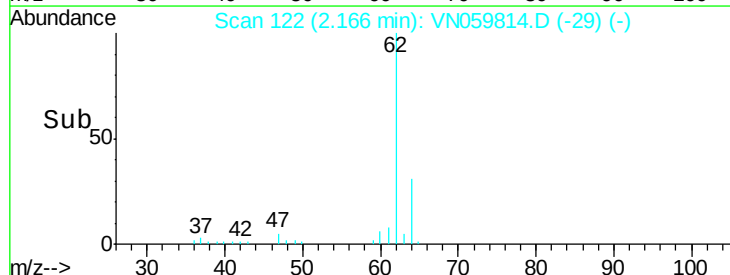
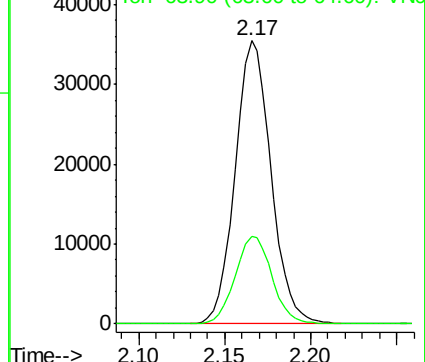
62 100

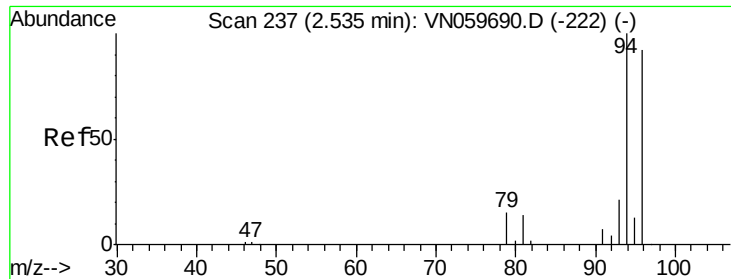
64 31.1 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 19.341 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD03

Tot Ion: 94 Resp: 30435

Ion Ratio Lower Upper

94 100

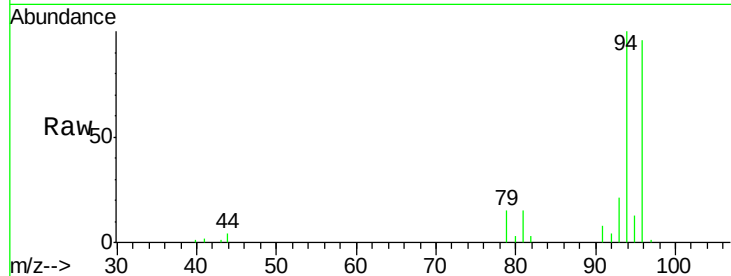
96 96.0 74.7 112.1

Manual Integrations

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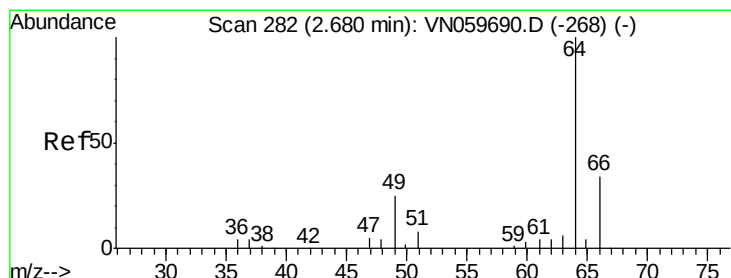
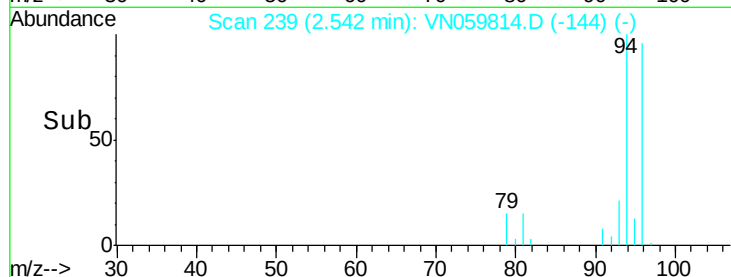
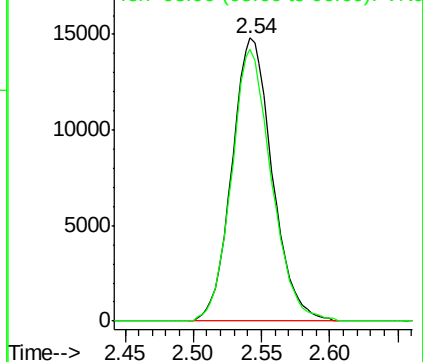
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.536 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059814.D

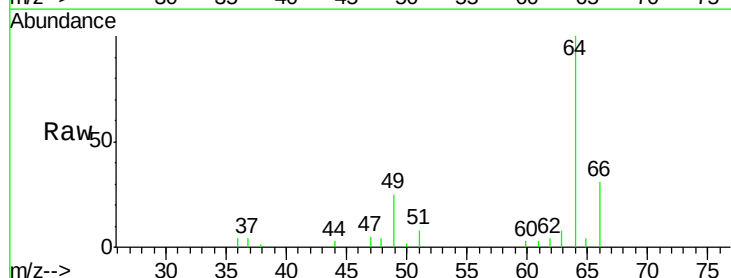
Acq: 21 Jan 2020 17:34

Tgt Ion: 64 Resp: 23833

Ion Ratio Lower Upper

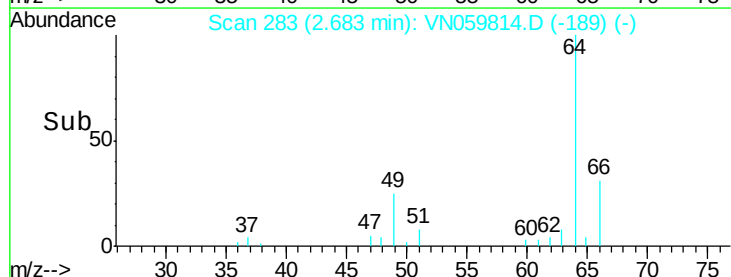
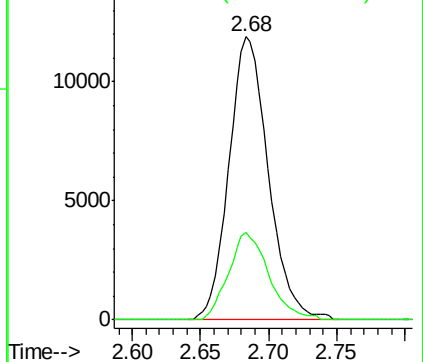
64 100

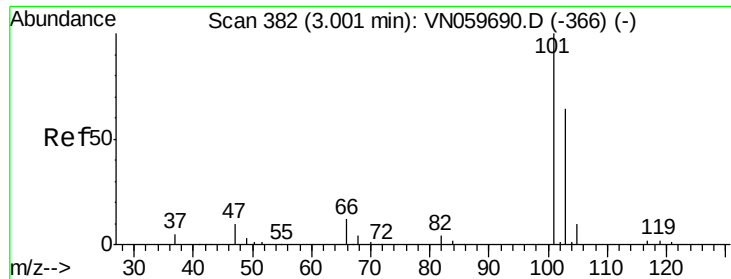
66 30.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

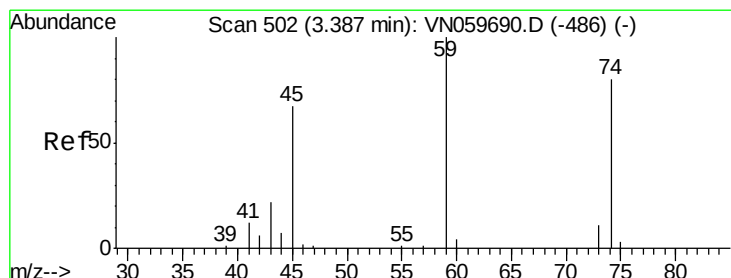
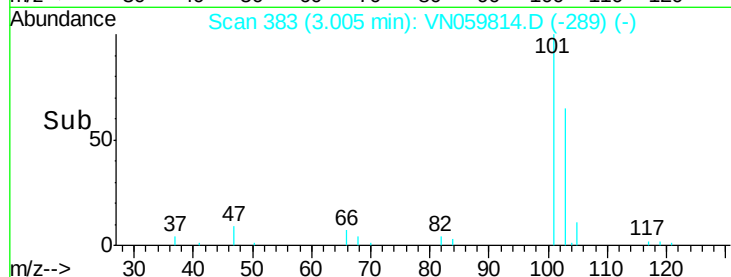
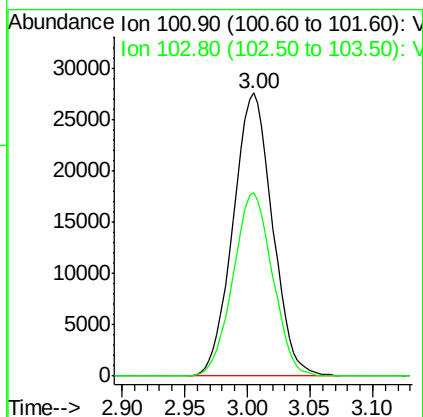
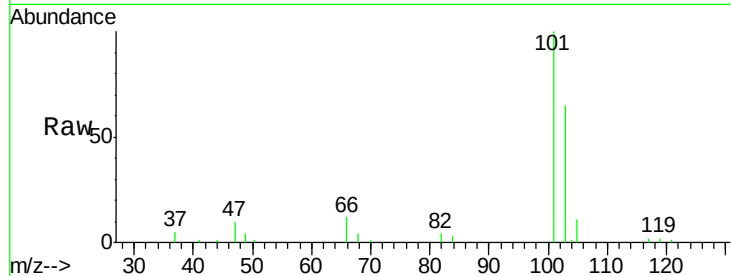
Trichlorofluoromethane
Concen: 19.494 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD03

Tot Ion:101 Resp: 60369
Ion Ratio Lower Upper
101 100
103 64.8 51.0 76.6

Manual Integrations
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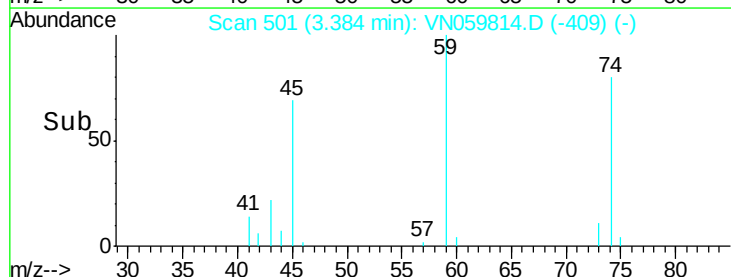
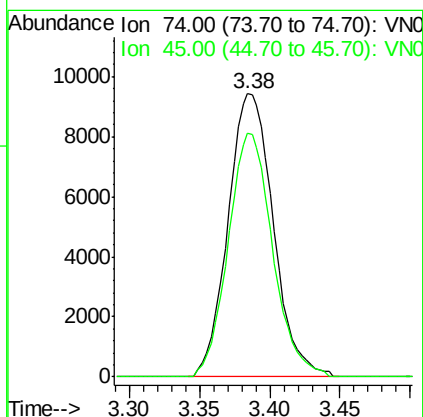
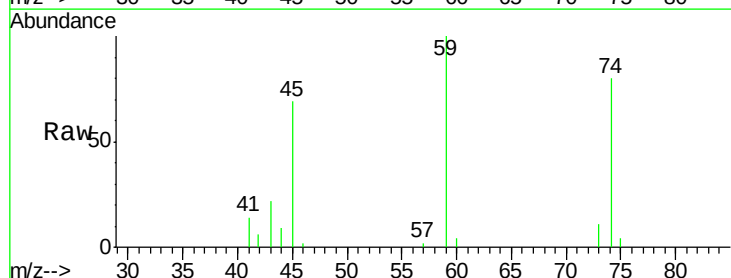
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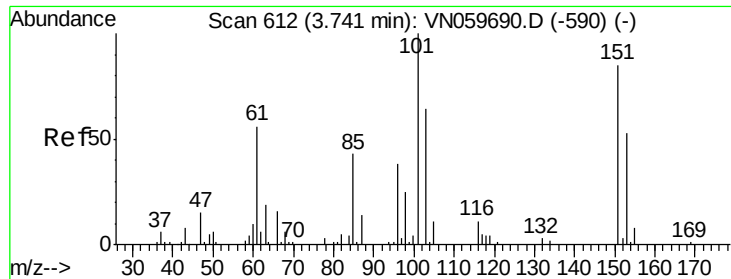


#8

Diethyl Ether
Concen: 19.452 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Tgt Ion: 74 Resp: 21140
Ion Ratio Lower Upper
74 100
45 84.5 51.9 155.8





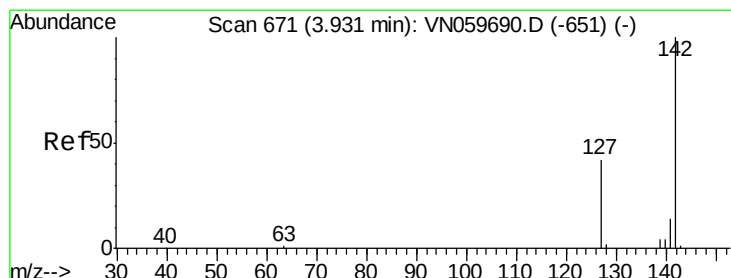
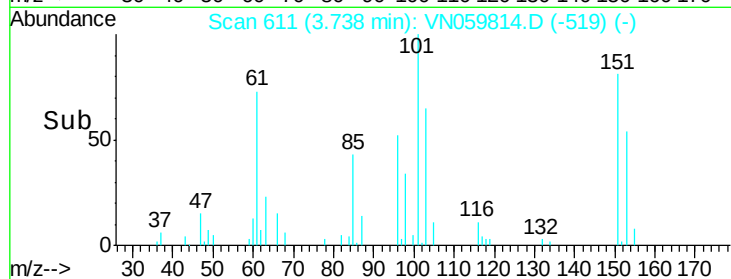
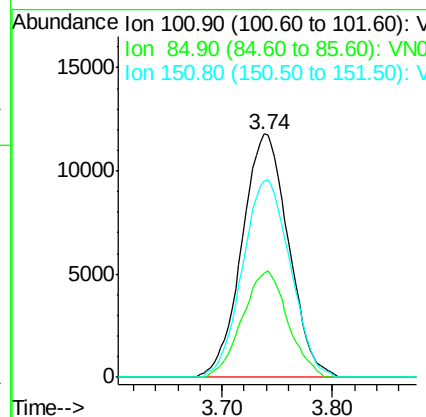
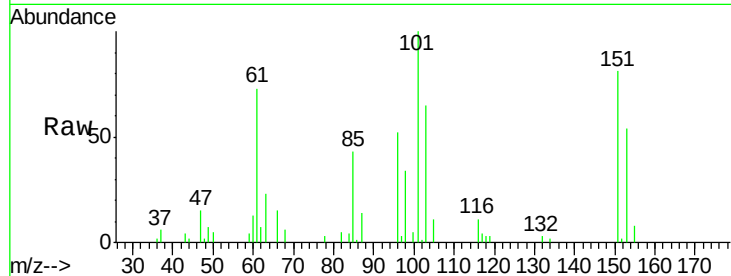
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.002 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS03

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.6	36.6	54.8
151	83.3	59.7	89.5

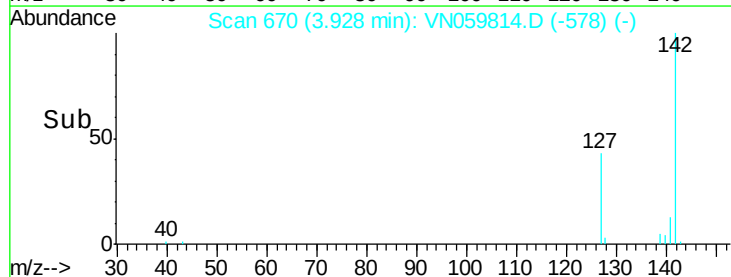
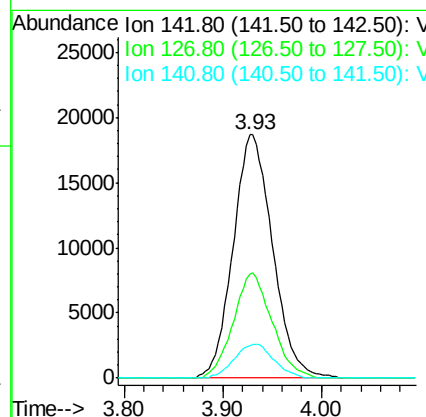
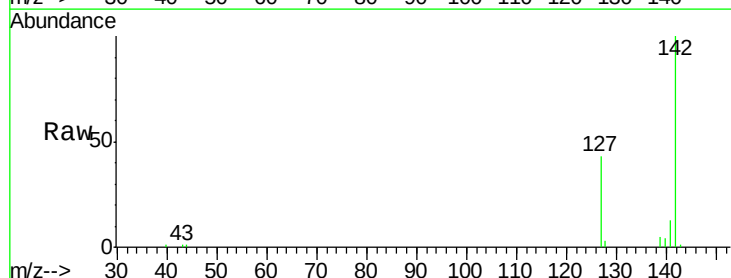
Manual Integrations
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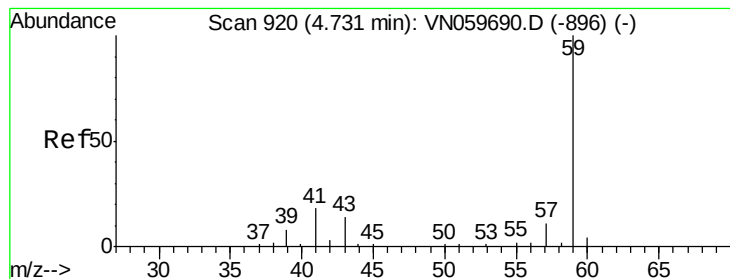
MMDadoda
1/22/2020 11:15:15 AM



#10
Methyl Iodide
Concen: 18.667 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.2	36.7	55.1
141	13.9	11.7	17.5





#11

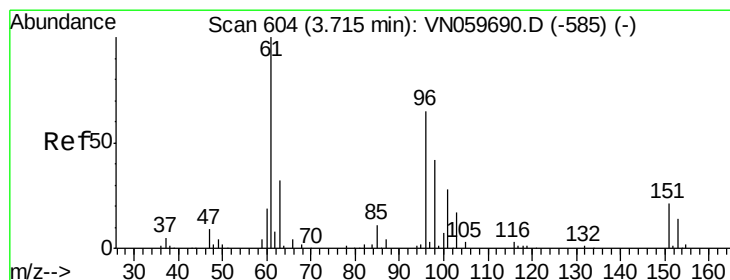
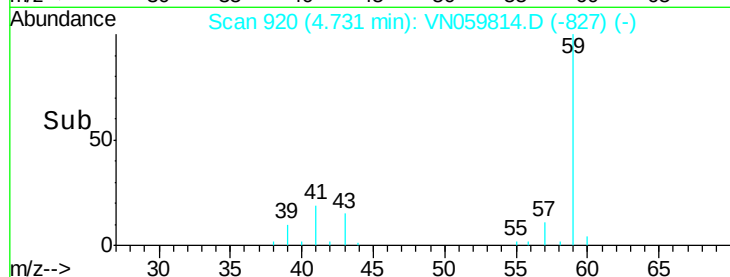
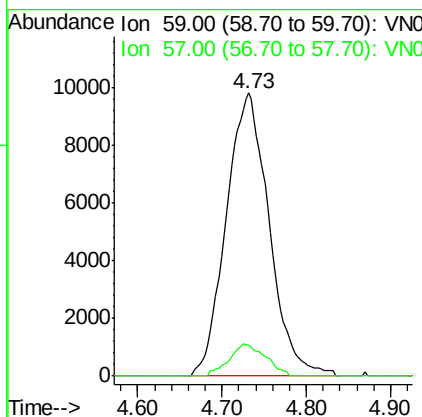
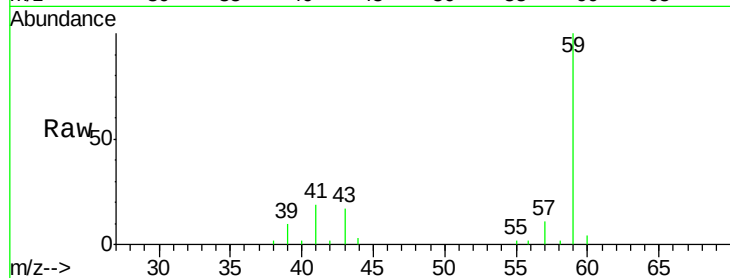
Tert butyl alcohol
 Concen: 94.426 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN059814.D
 Acq: 21 Jan 2020 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD03

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.6	12.8

Manual Integrations
 APPROVED

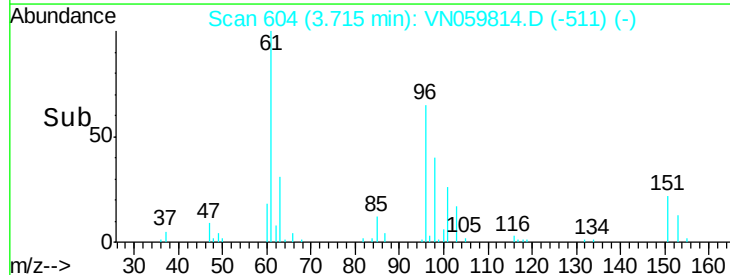
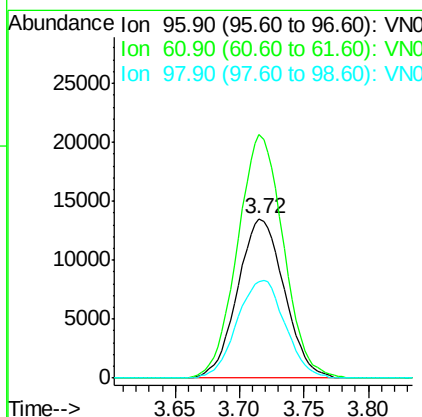
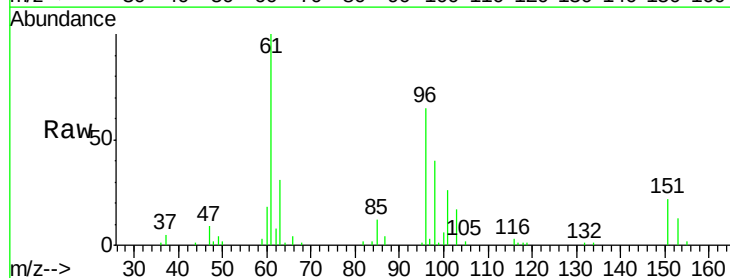
MMDadoda
 1/22/2020 11:15:15 AM

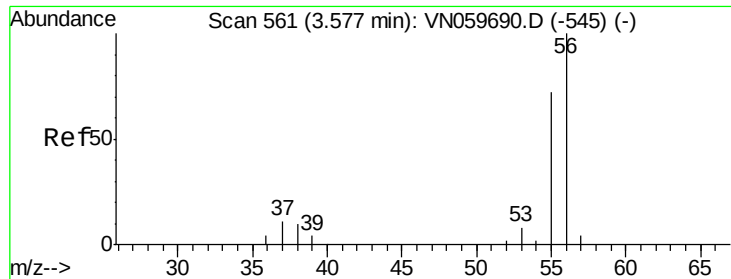


#12

1,1-Dichloroethene
 Concen: 18.949 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059814.D
 Acq: 21 Jan 2020 17:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.0	137.5	206.3
98	60.7	50.2	75.4





#13

Acrolein

Concen: 58.267 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD03

Tot Ion: 56 Resp: 15179

Ion Ratio Lower Upper

56 100

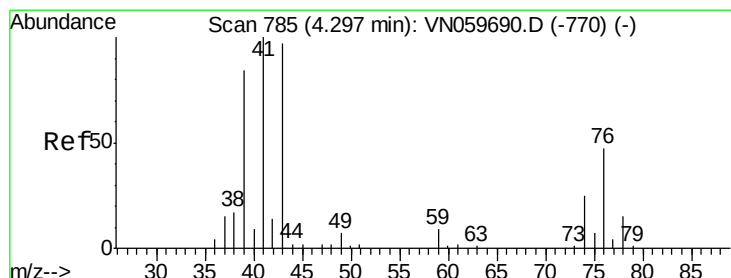
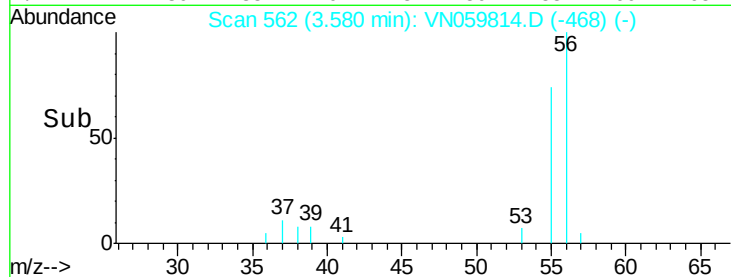
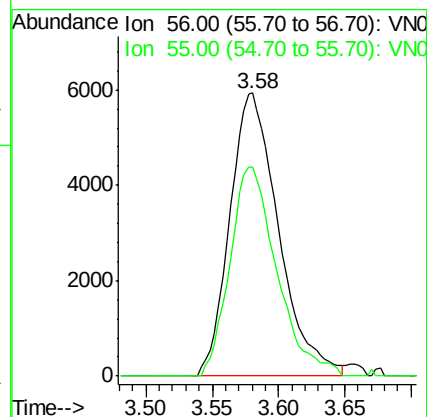
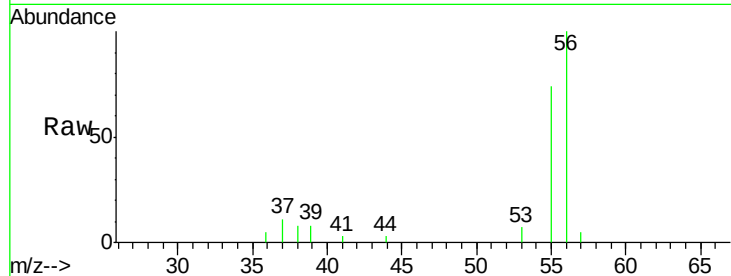
55 71.2 58.6 88.0

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 18.319 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

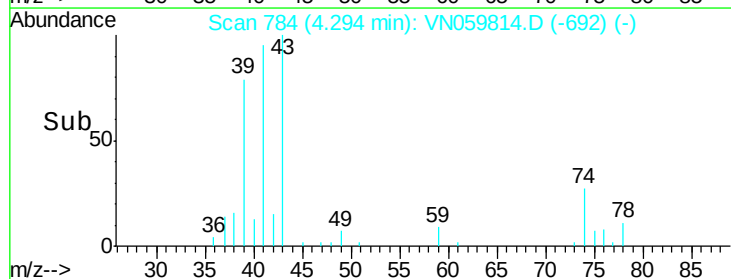
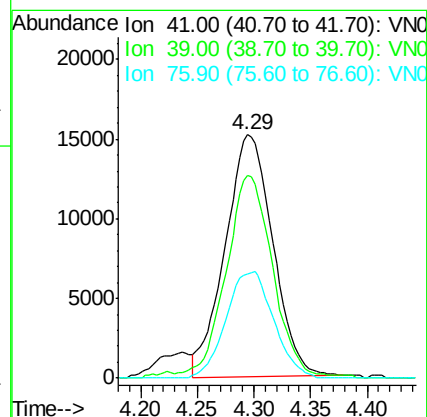
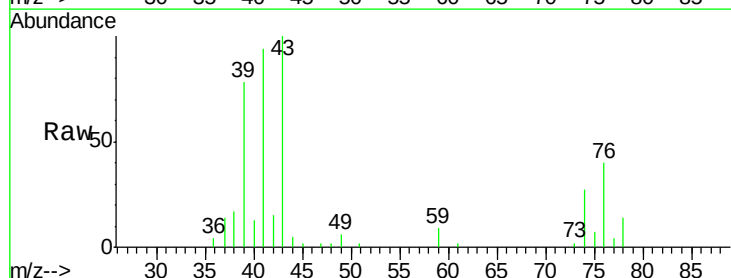
Tgt Ion: 41 Resp: 44468

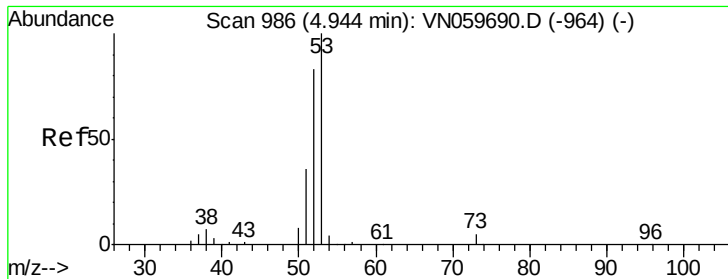
Ion Ratio Lower Upper

41 100

39 82.5 57.8 86.8

76 43.9 25.4 38.0#





#15

Acrylonitrile

Concen: 95.248 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Instrument :

MSVOA_N

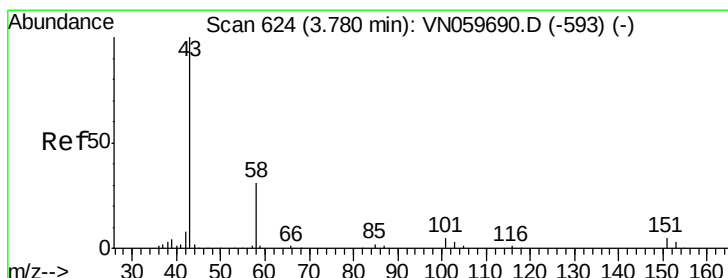
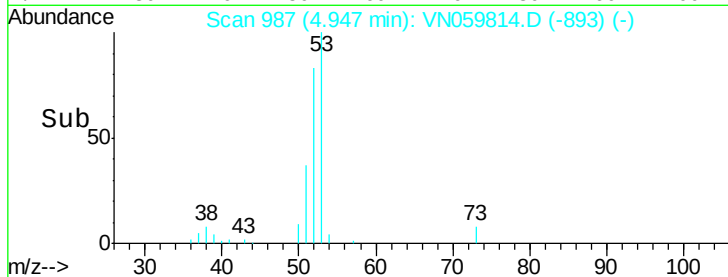
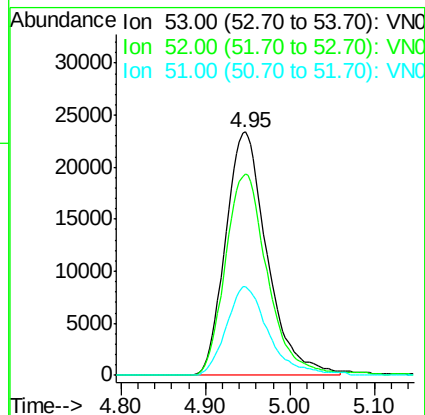
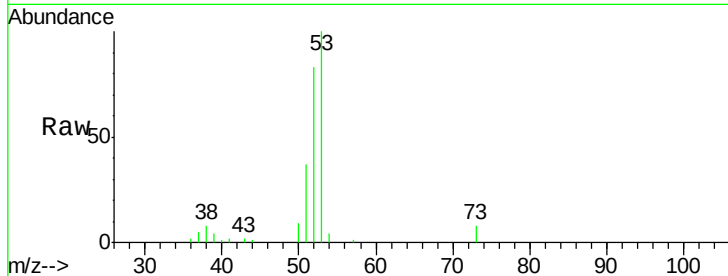
ClientSampleId :

VN0121MBSD03

Tot Ion:	53	Resp:	79957
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.3	99.5
51	37.0	29.7	44.5

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



#16

Acetone

Concen: 98.437 ug/l

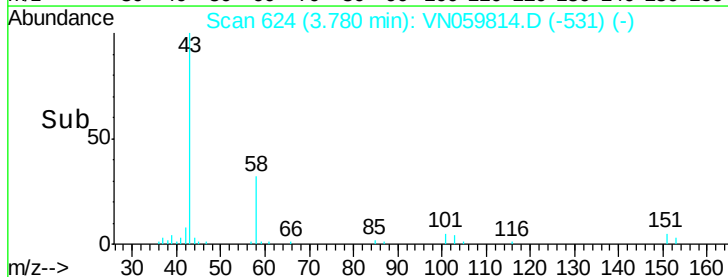
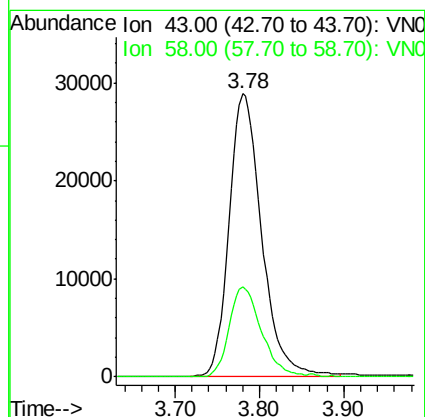
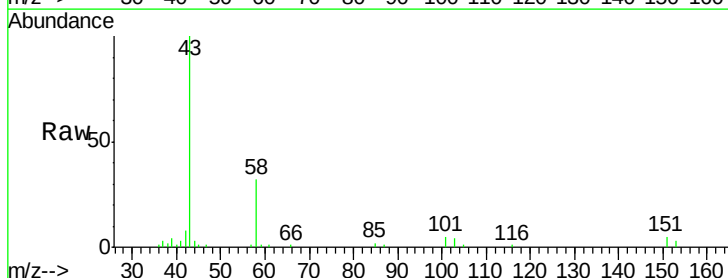
RT: 3.78 min Scan# 624

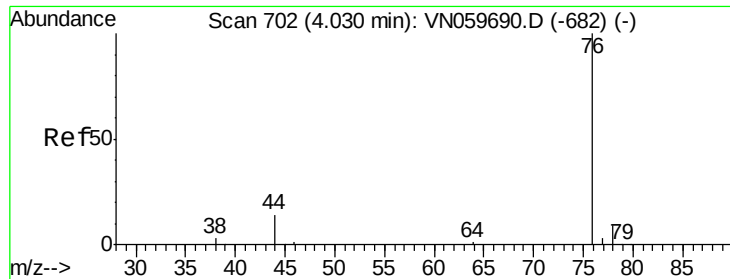
Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Tgt Ion:	43	Resp:	77920
Ion Ratio	Lower	Upper	
43	100		
58	31.6	23.6	35.4





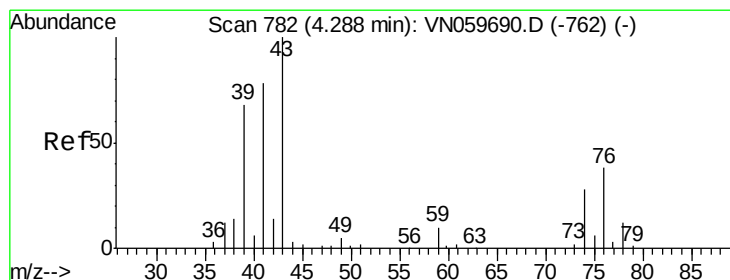
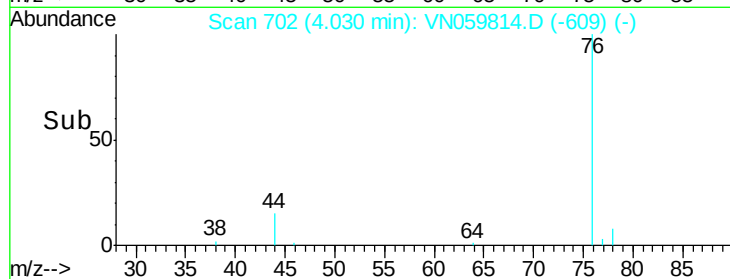
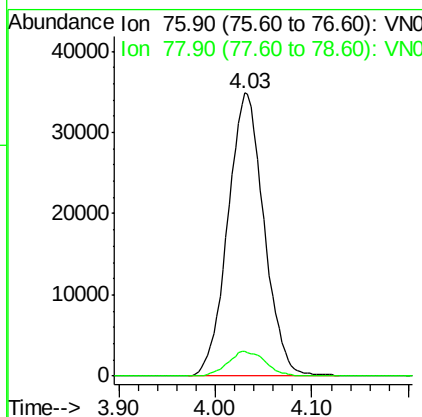
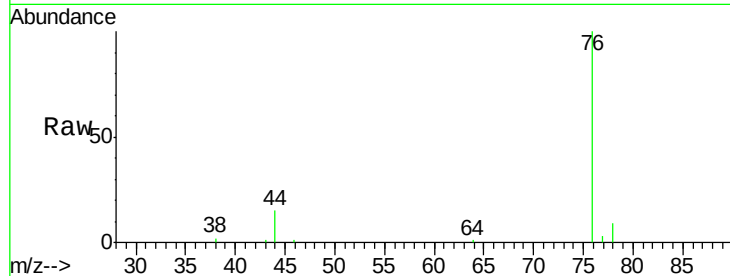
#17
Carbon Disulfide
Concen: 17.652 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD03

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

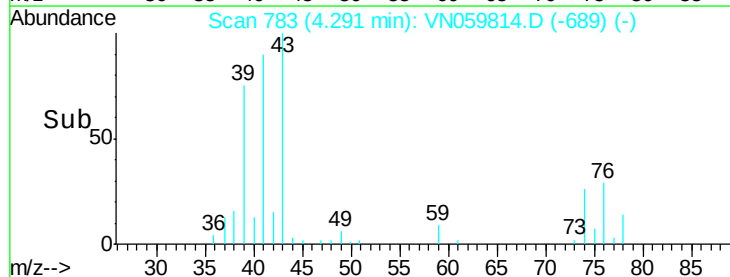
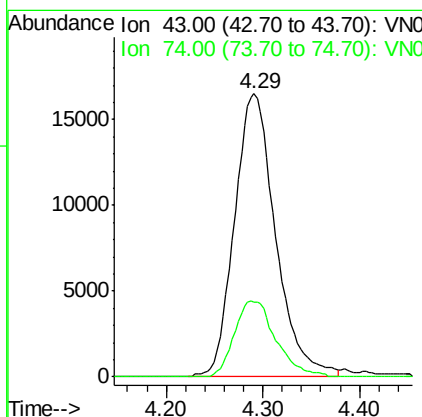
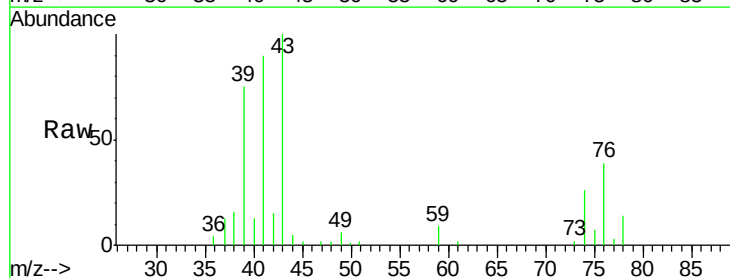
Manual Integrations
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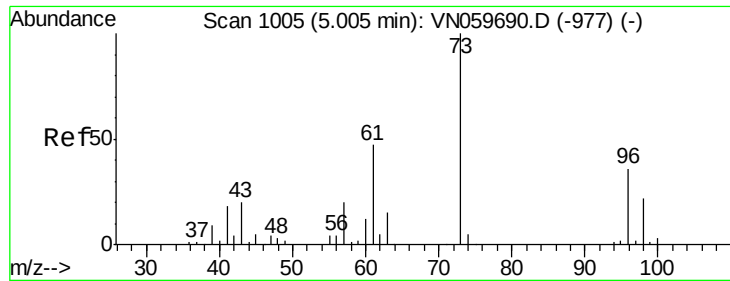
MMDadoda
1/22/2020 11:15:15 AM



#18
Methyl Acetate
Concen: 19.108 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.0	17.5	26.3#





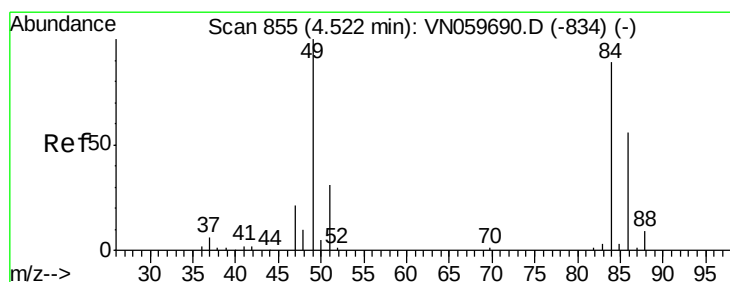
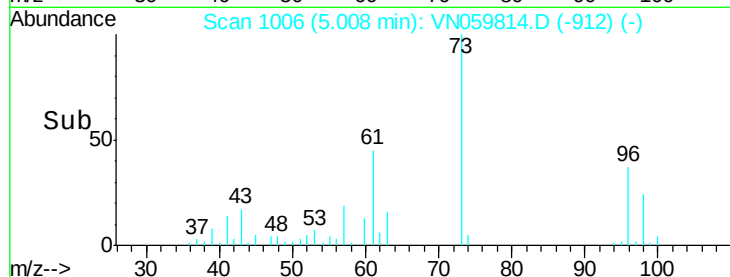
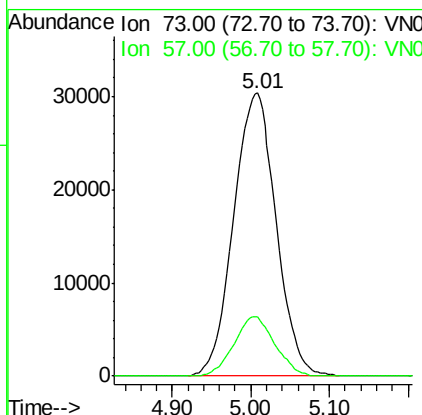
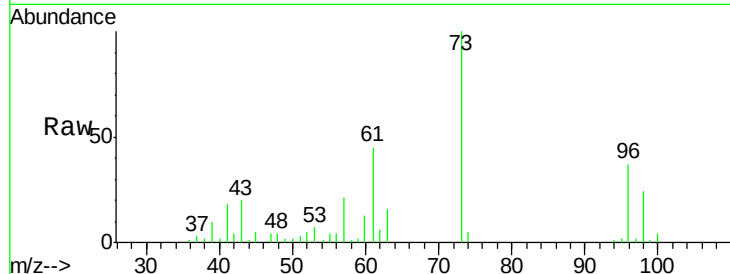
#19
Methyl tert-butyl Ether
Concen: 19.579 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampled :
VN0121MBSD03

Tot Ion: 73 Resp: 114966
Ion Ratio Lower Upper
73 100
57 20.8 18.6 27.8

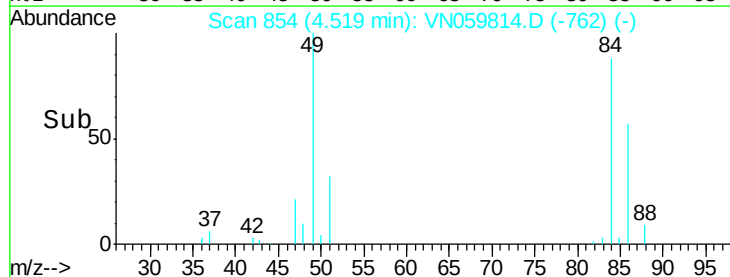
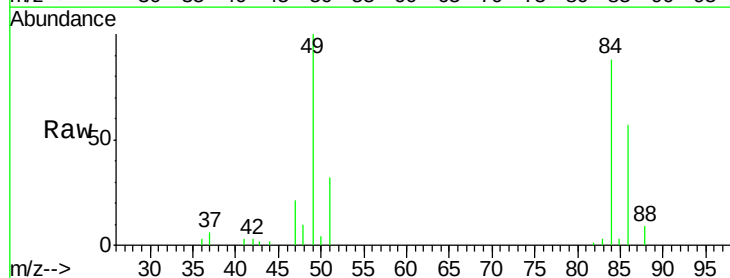
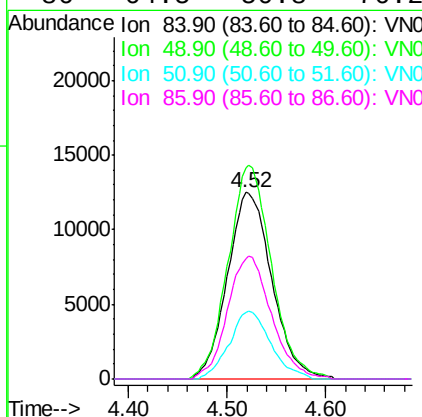
Manual Integrations
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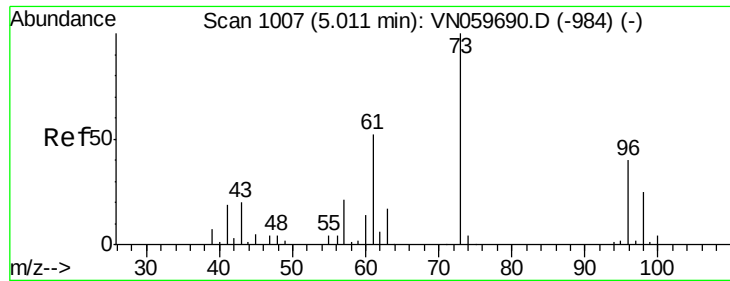
MMDadoda
1/22/2020 11:15:15 AM



#20
Methylene Chloride
Concen: 18.960 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Tgt Ion: 84 Resp: 39088
Ion Ratio Lower Upper
84 100
49 113.2 106.6 160.0
51 35.8 31.9 47.9
86 64.5 50.8 76.2





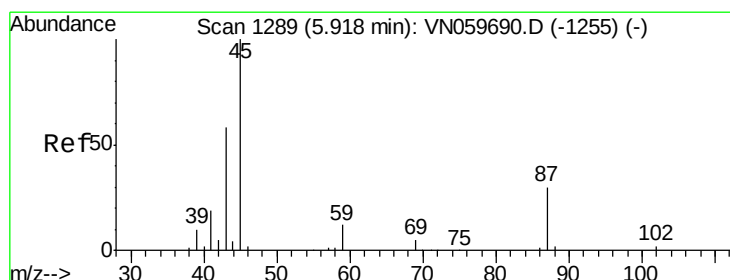
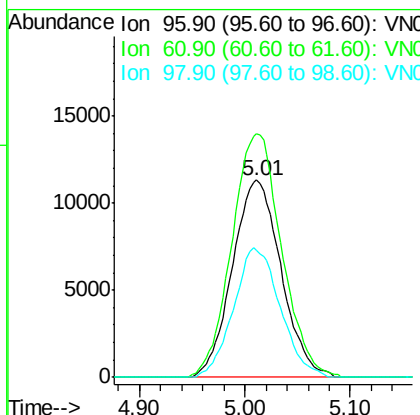
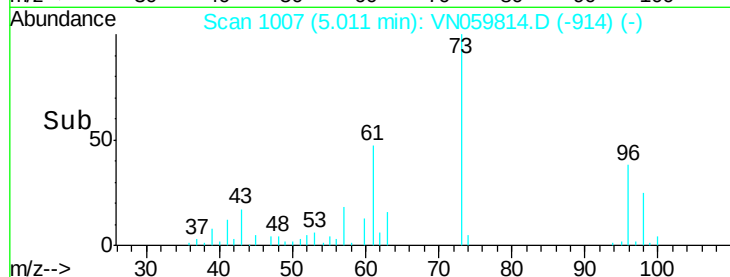
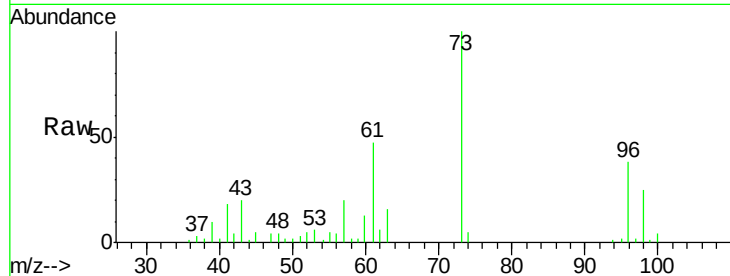
#21
trans-1,2-Dichloroethene
Concen: 18.993 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD03

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.3	120.4	180.6
98	64.4	50.6	75.8

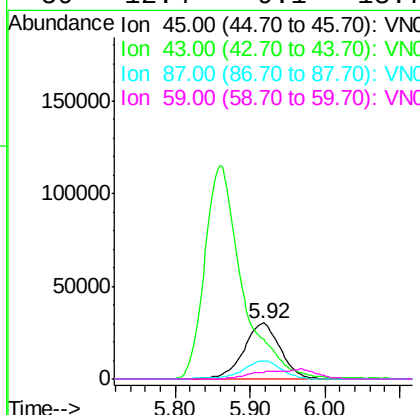
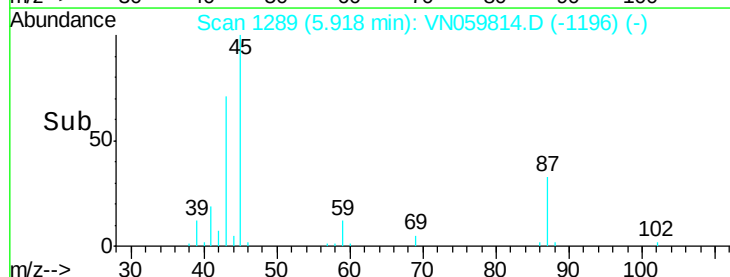
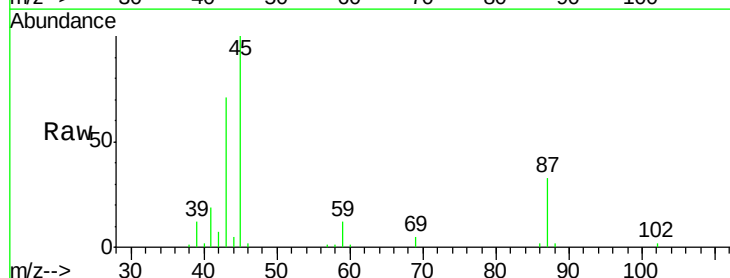
Manual Integrations
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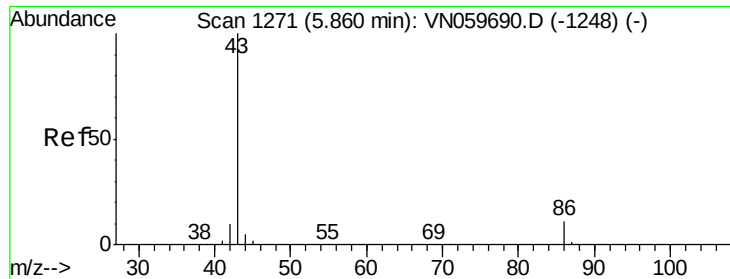
MMDadoda
1/22/2020 11:15:15 AM



#22
Diisopropyl ether
Concen: 18.606 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.9	50.8	76.2
87	32.6	21.0	31.6
59	12.4	9.1	13.7





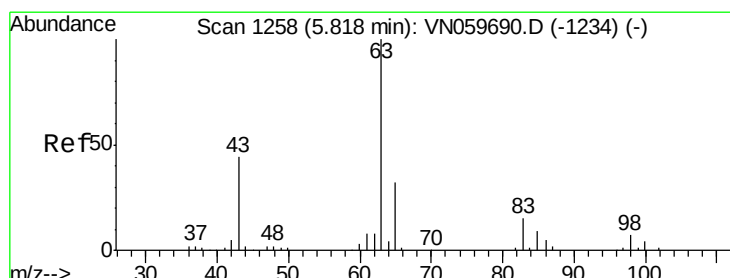
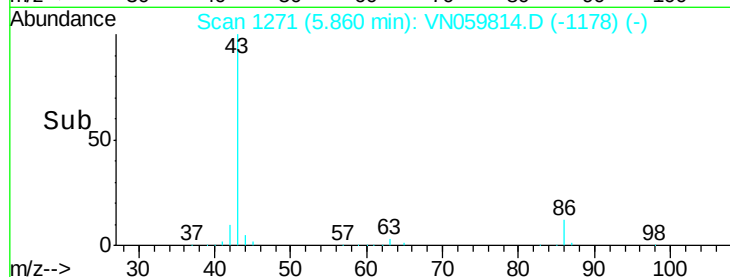
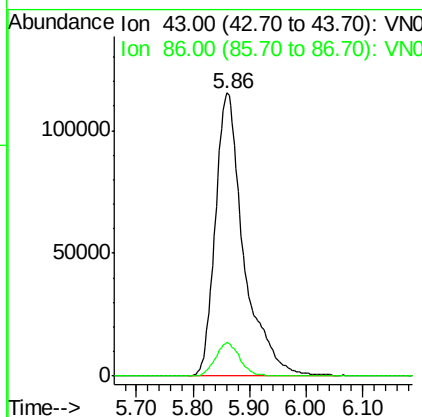
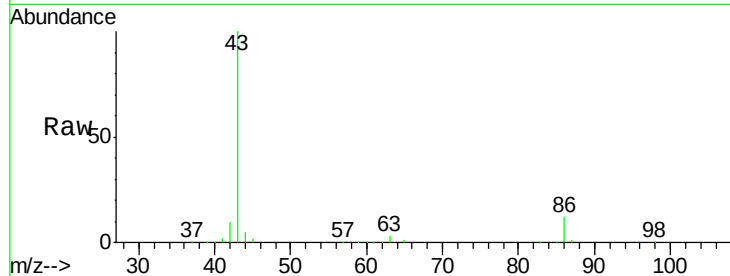
#23
 Vinyl Acetate
 Concen: 94.703 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN059814.D
 Acq: 21 Jan 2020 17:34

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0121MBS03

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

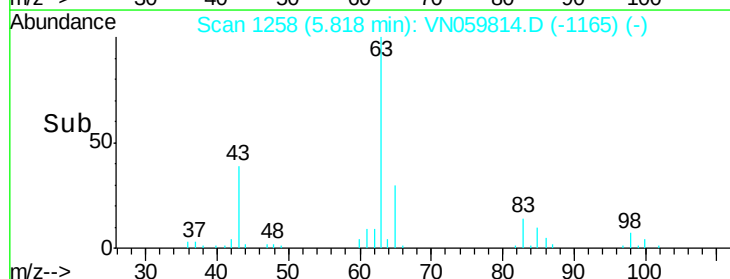
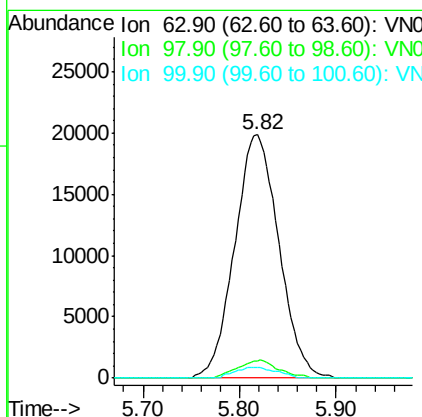
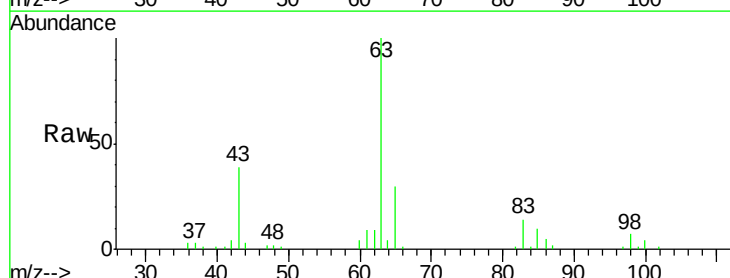
Manual Integrations
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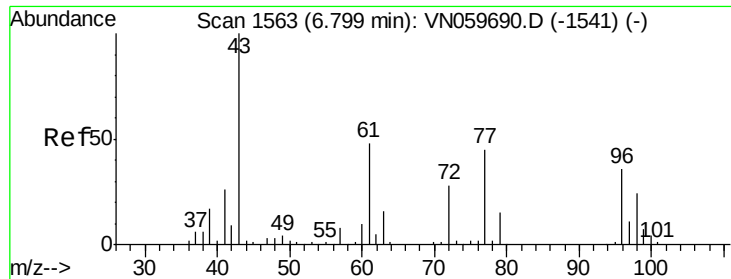
MMDadoda
 1/22/2020 11:15:15 AM



#24
 1,1-Dichloroethane
 Concen: 18.695 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059814.D
 Acq: 21 Jan 2020 17:34

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.2	2.9	8.7
100	4.5	2.0	6.0





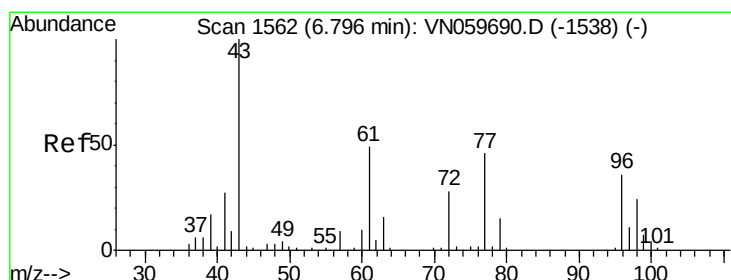
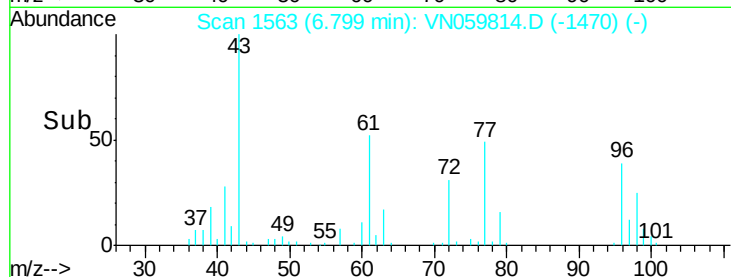
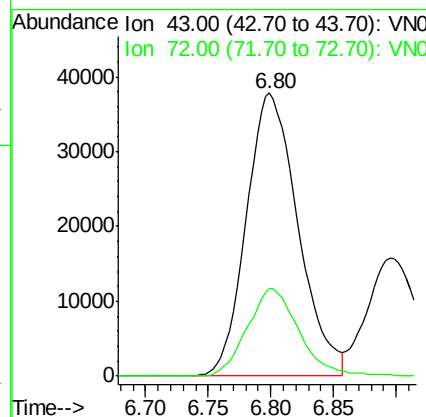
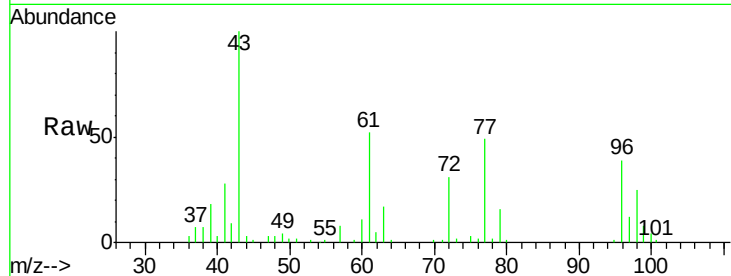
#25
2-Butanone
Concen: 87.772 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD03

Tot Ion: 43 Resp: 108658
Ion Ratio Lower Upper
43 100
72 30.9 19.9 29.9#

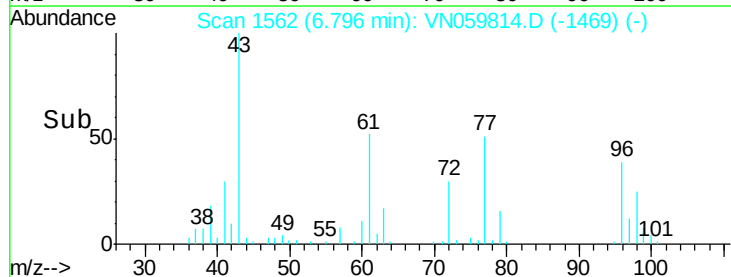
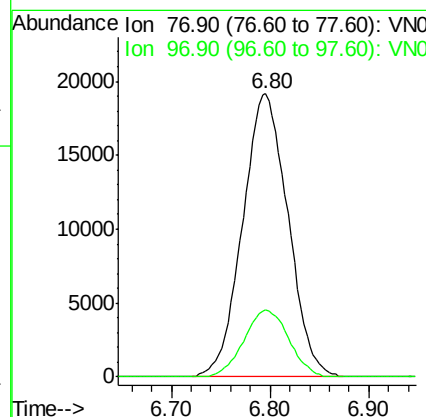
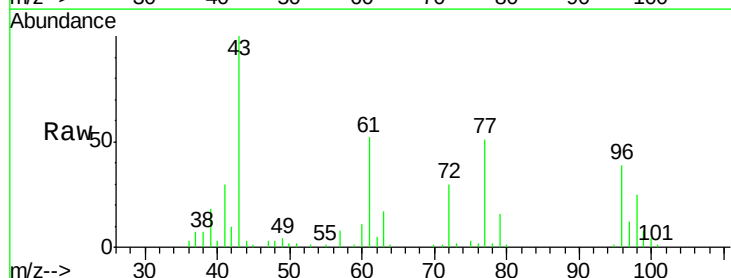
Manual Integrations
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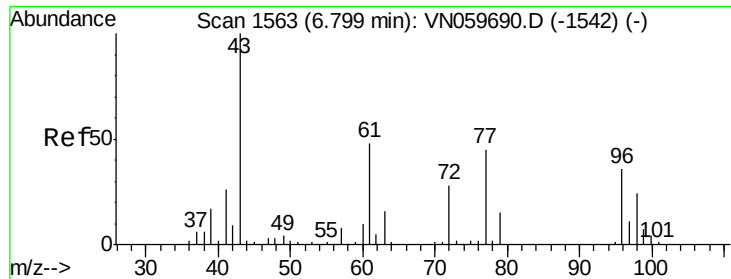
MMDadoda
1/22/2020 11:15:15 AM



#26
2,2-Dichloropropane
Concen: 18.854 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Tgt Ion: 77 Resp: 60926
Ion Ratio Lower Upper
77 100
97 23.4 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 19.645 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Instrument :

MSVOA_N

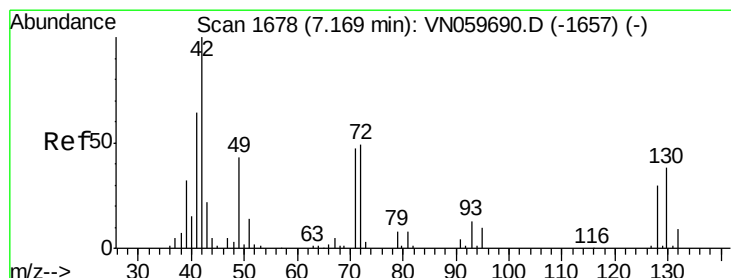
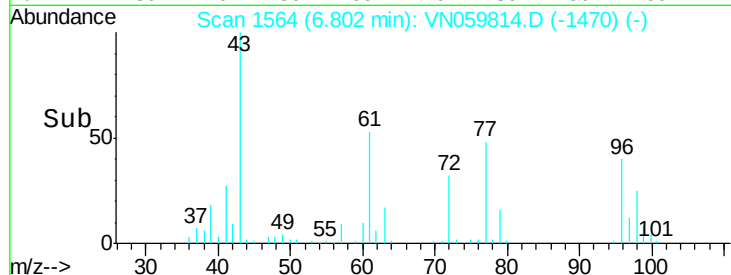
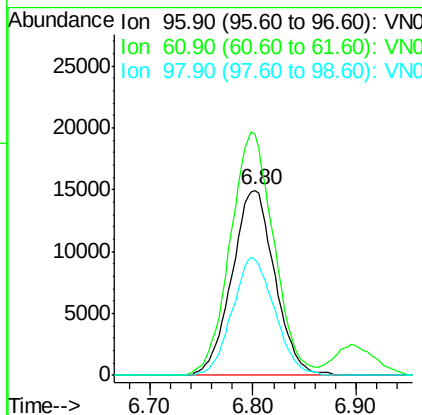
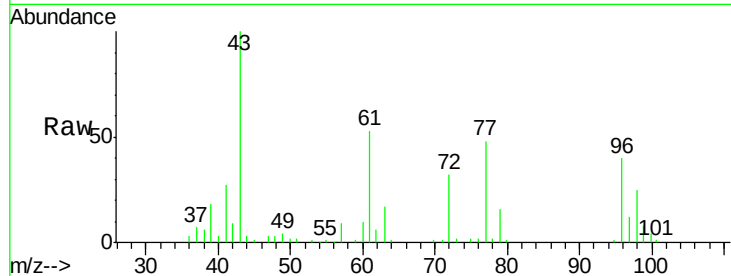
ClientSampleId :

VN0121MBSD03

Tot Ion:	96	Resp:	43257
Ion	Ratio	Lower	Upper
96	100		
61	133.5	0.0	317.6
98	62.7	0.0	127.0

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



#28

Bromochloromethane

Concen: 18.278 ug/l

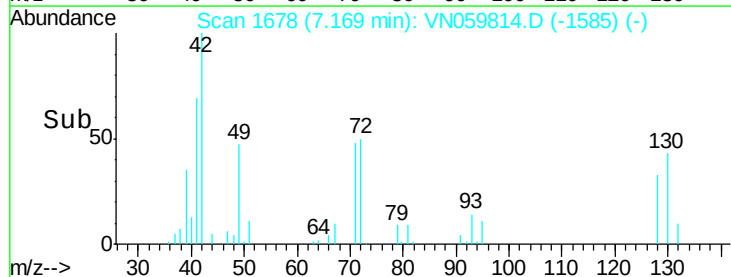
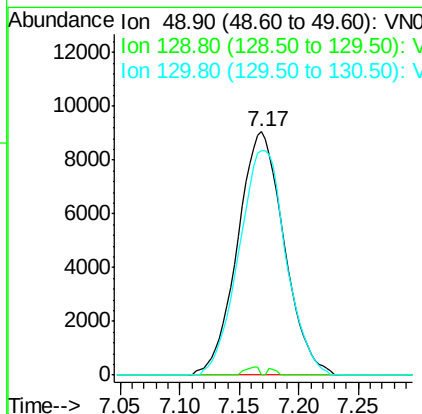
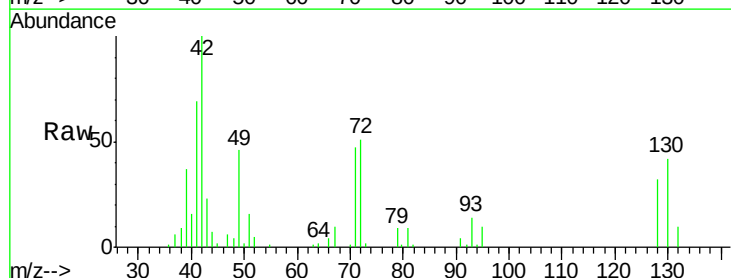
RT: 7.17 min Scan# 1678

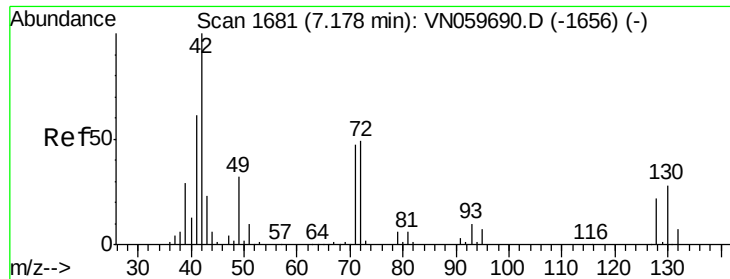
Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Tgt Ion:	49	Resp:	24556
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.4
130	93.2	54.7	82.1#





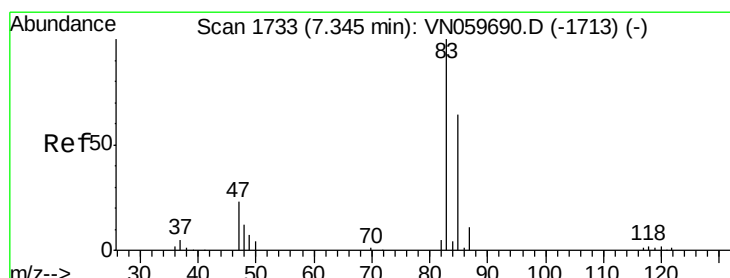
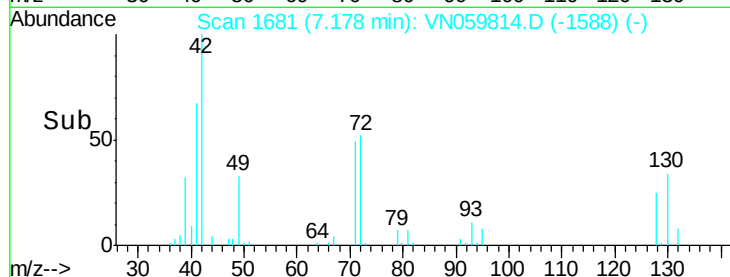
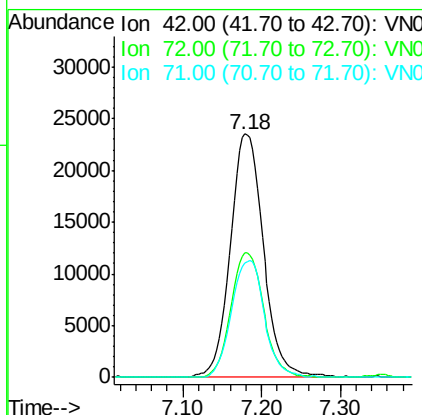
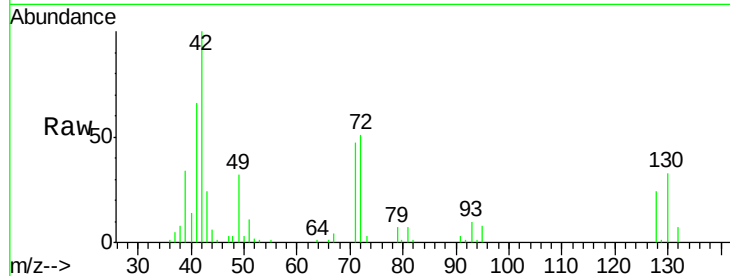
#29
Tetrahydrofuran
Concen: 90.354 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD03

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.3	33.1	49.7#
71	47.6	31.4	47.0#

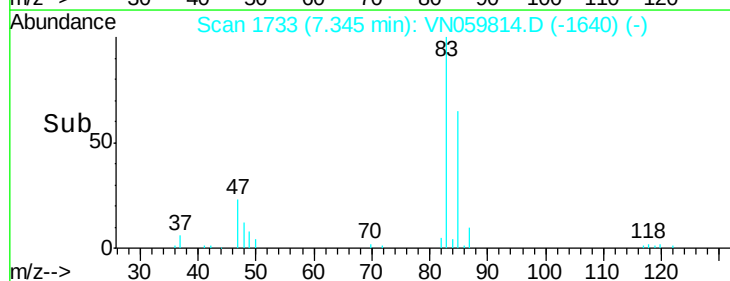
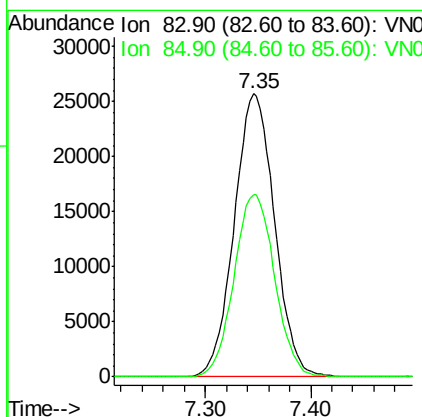
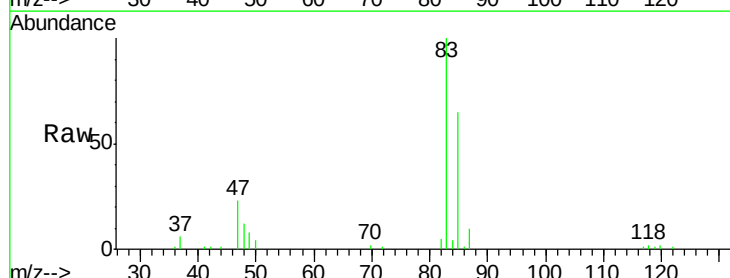
Manual Integrations
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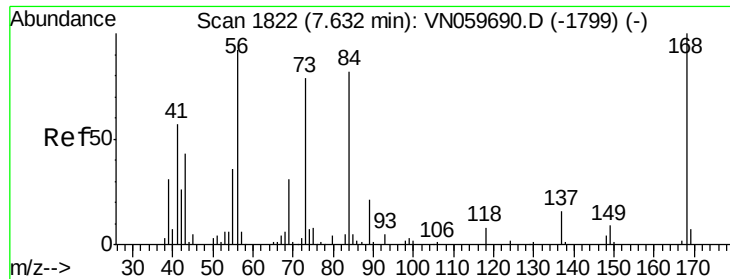
MMDadoda
1/22/2020 11:15:15 AM



#30
Chloroform
Concen: 19.608 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.4	78.6





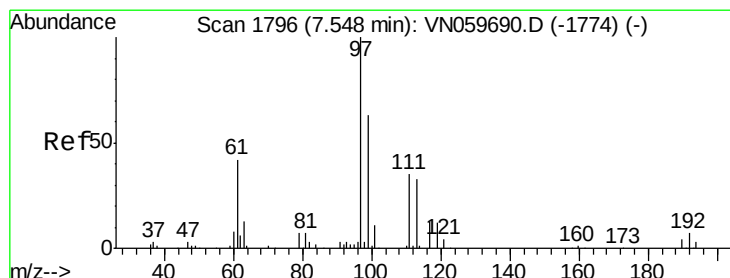
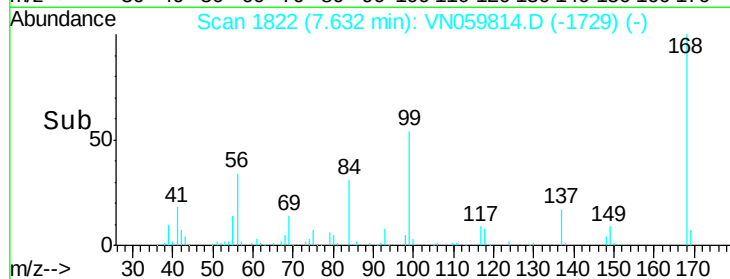
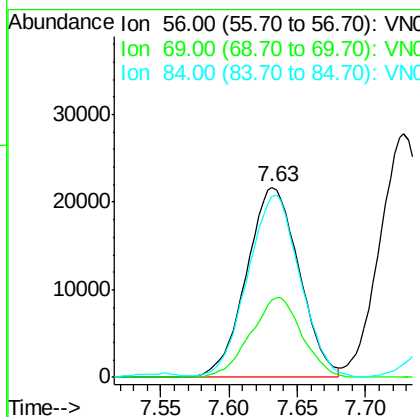
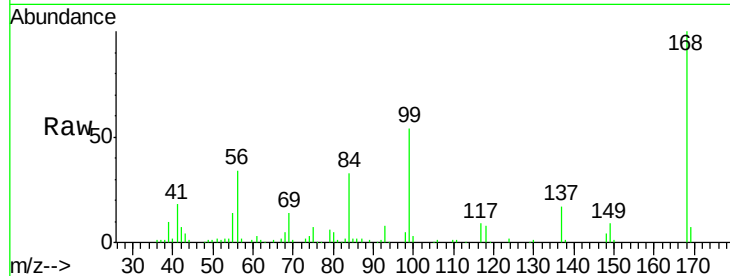
#31
Cyclohexane
Concen: 17.958 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD03

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.7	26.5	39.7#
84	93.9	65.3	97.9

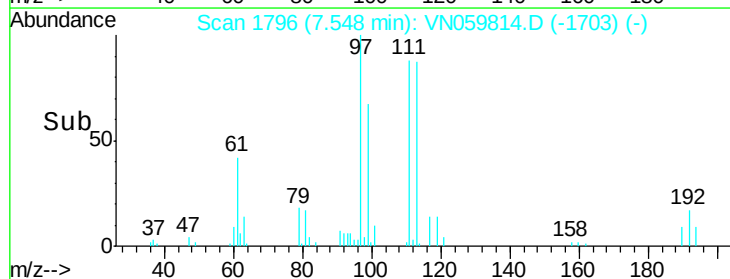
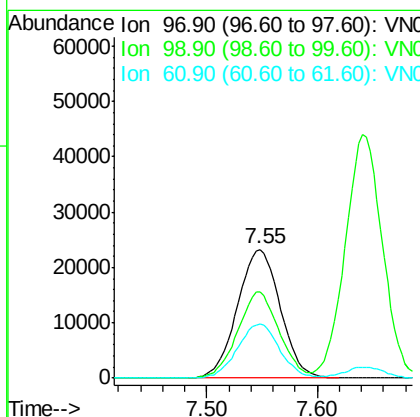
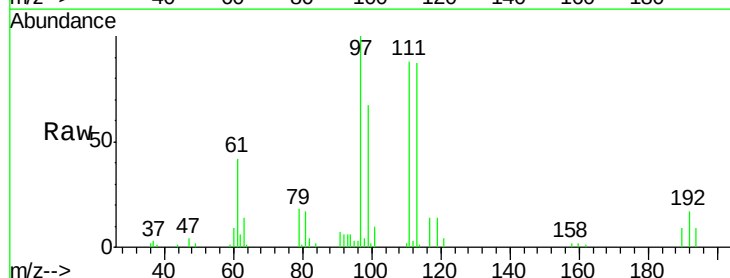
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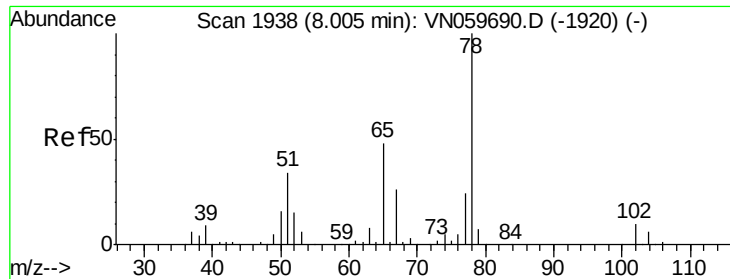
MMDadoda
1/22/2020 11:15:15 AM



#32
1,1,1-Trichloroethane
Concen: 19.388 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.4
61	41.3	38.5	57.7





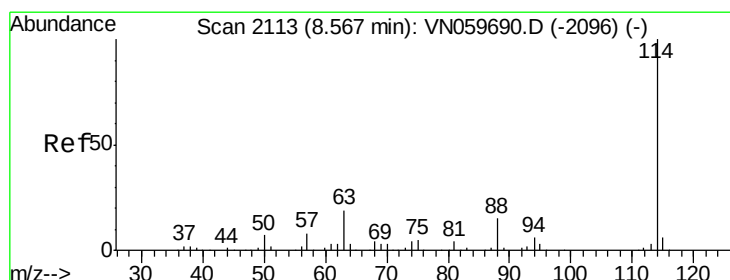
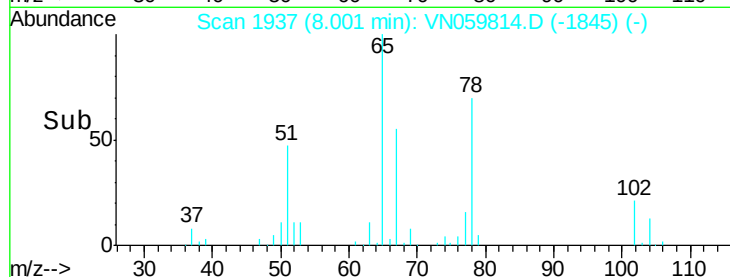
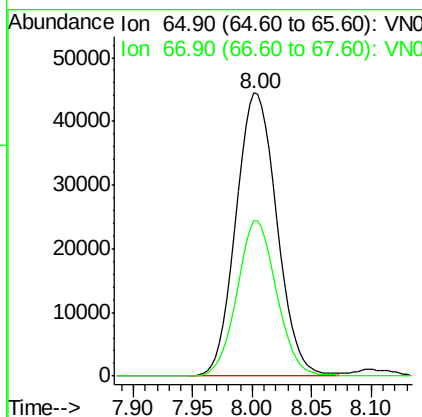
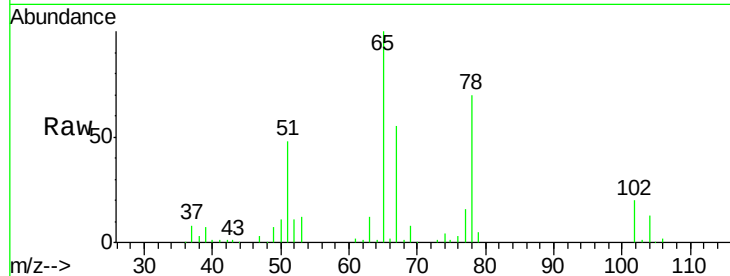
#33
 1,2-Dichloroethane-d4
 Concen: 48.555 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059814.D
 Acq: 21 Jan 2020 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD03

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.9	0.0	103.0	

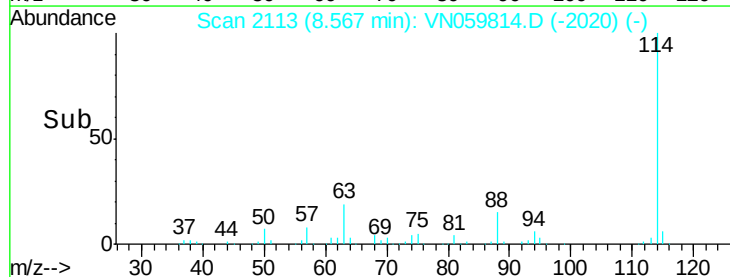
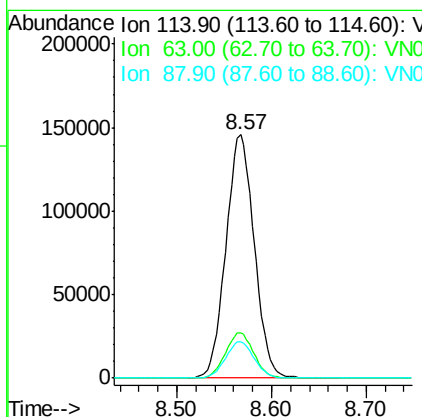
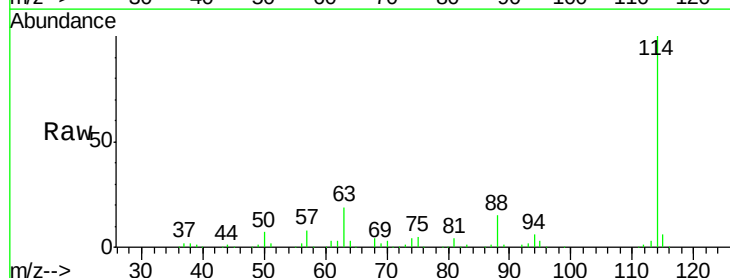
Manual Integrations
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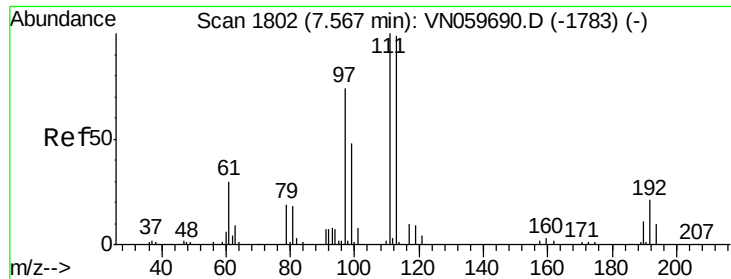
MMDadoda
 1/22/2020 11:15:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059814.D
 Acq: 21 Jan 2020 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.7	0.0	43.6	
88	15.0	0.0	31.4	





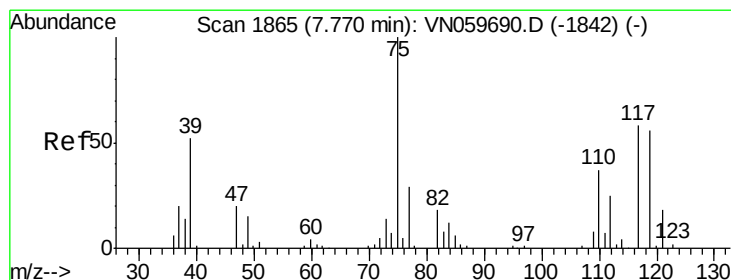
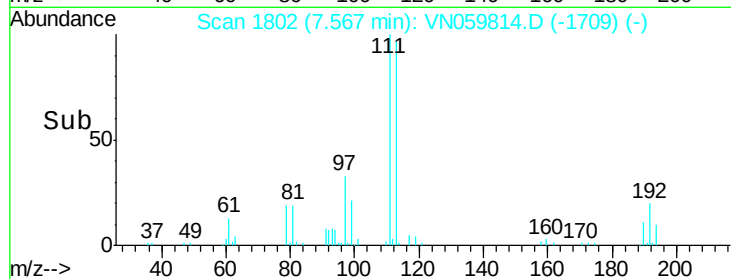
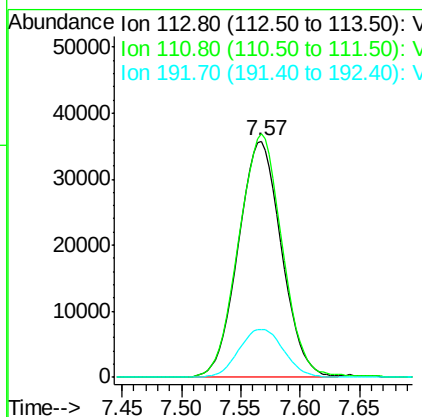
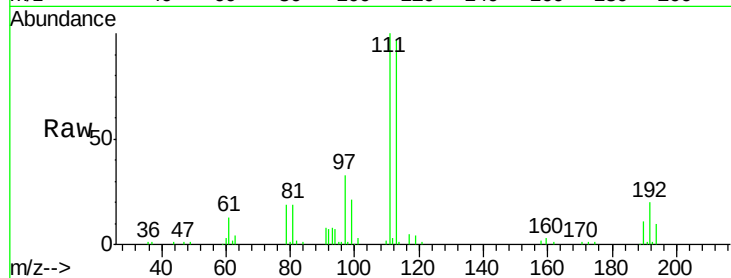
#35
 Dibromofluoromethane
 Concen: 49.717 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059814.D
 Acq: 21 Jan 2020 17:34

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0121MBS03

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.5	125.3
192	21.1	15.4	23.2

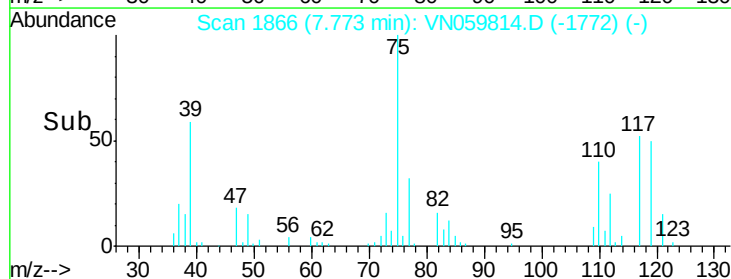
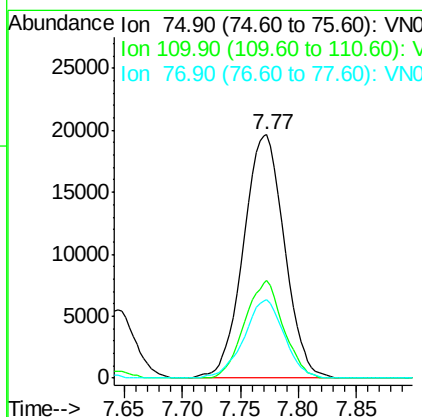
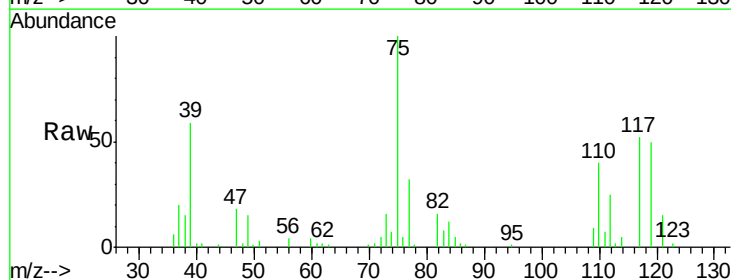
Manual Integrations
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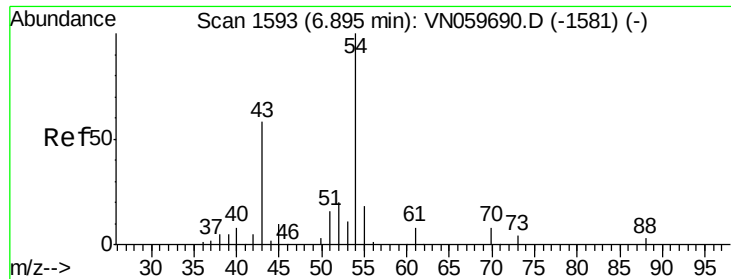
MMDadoda
 1/22/2020 11:15:15 AM



#36
 1,1-Dichloropropene
 Concen: 18.304 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059814.D
 Acq: 21 Jan 2020 17:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	16.6	49.7
77	31.6	25.1	37.7





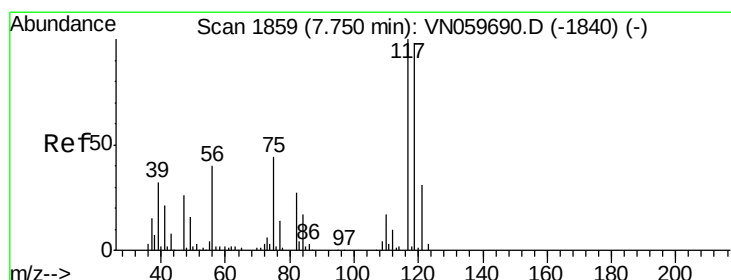
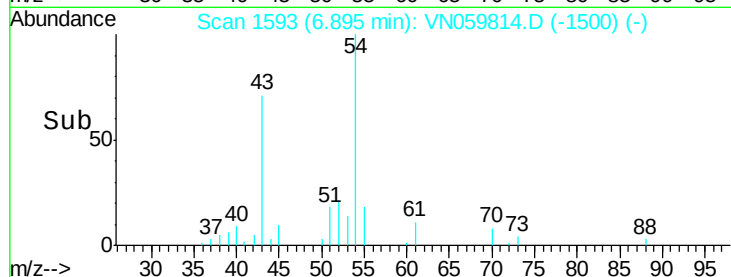
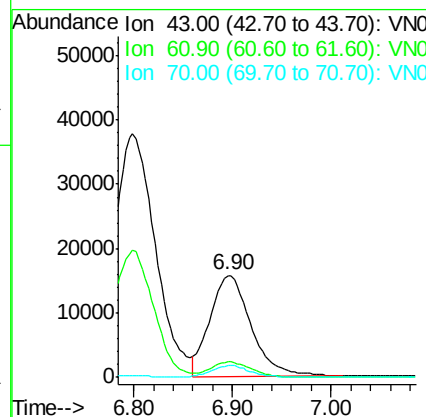
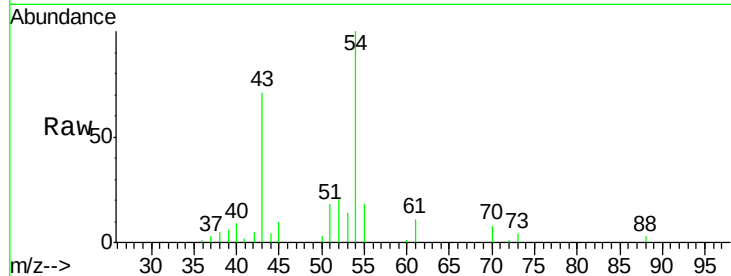
#37
Ethyl Acetate
Concen: 18.395 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampleID :
VN0121MBSD03

Tot Ion	43	61	70
Resp	45599	15.1	11.0
Lower		10.9	7.7
Upper		16.3	11.5

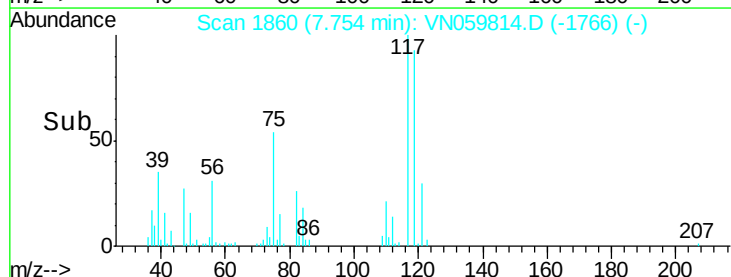
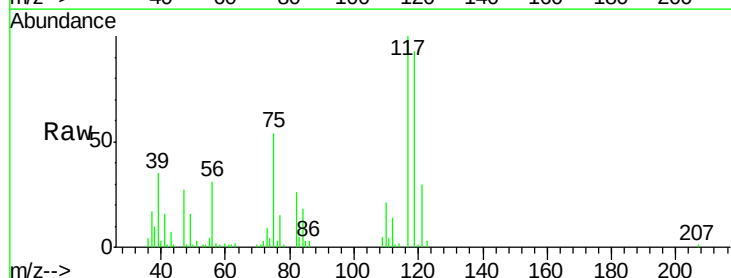
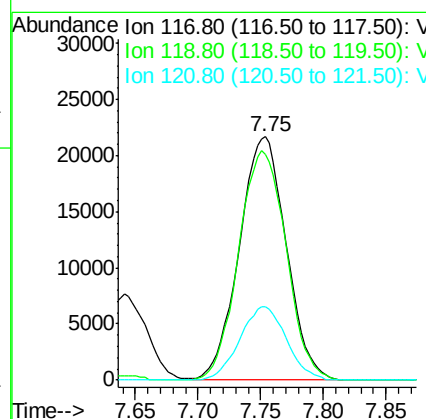
Manual Integrations
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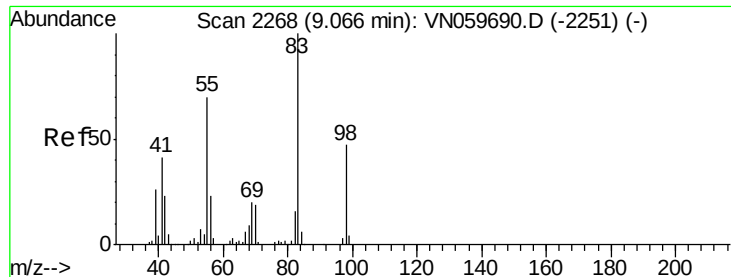
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#38
Carbon Tetrachloride
Concen: 19.628 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Tgt Ion	117	119	121
Resp	56431	92.8	30.1
Lower		76.5	25.1
Upper		114.7	37.7





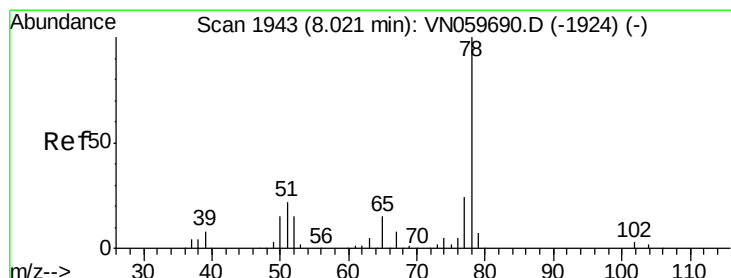
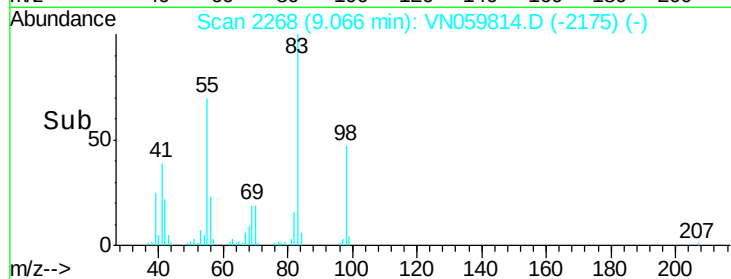
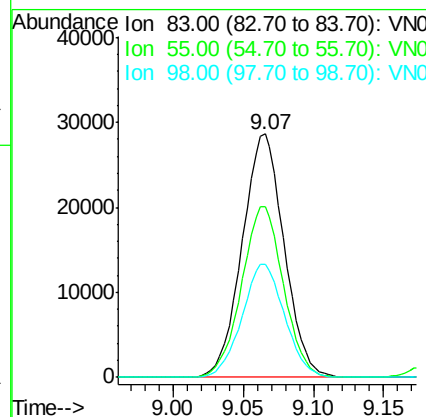
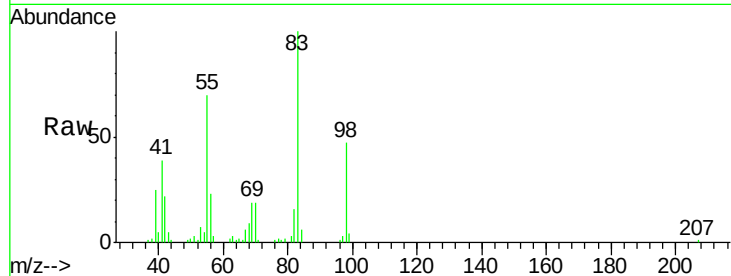
#39
Methylvlcyclohexane
Concen: 18.288 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD03

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	70.2	64.2	96.2	
98	46.7	35.9	53.9	

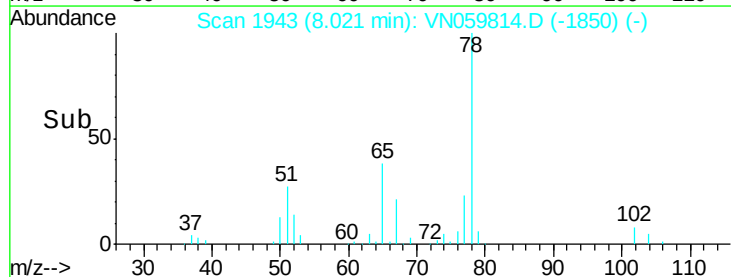
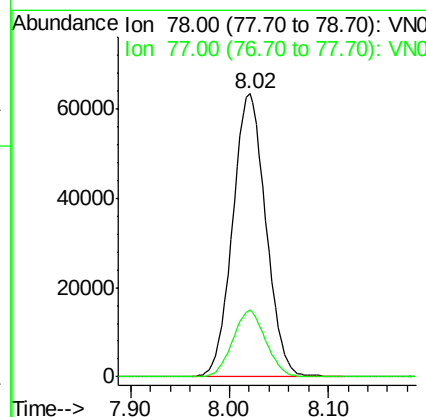
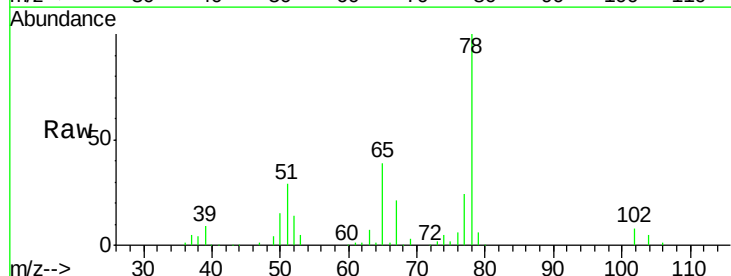
Manual Integrations
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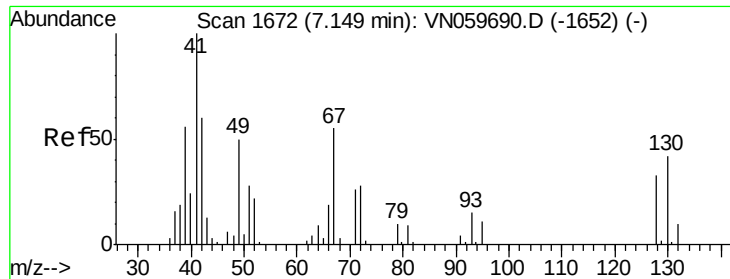
MMDadoda
1/22/2020 11:15:15 AM



#40
Benzene
Concen: 18.866 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	18.9	28.3	





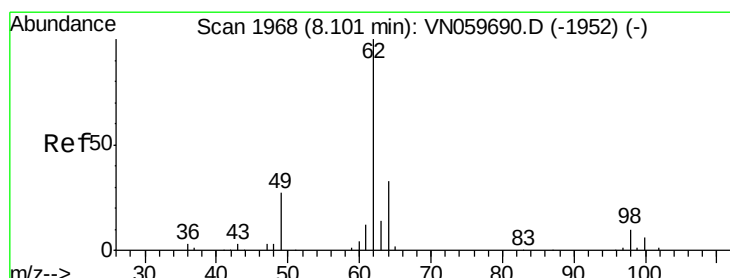
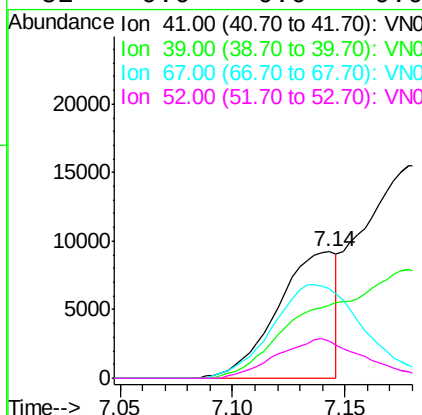
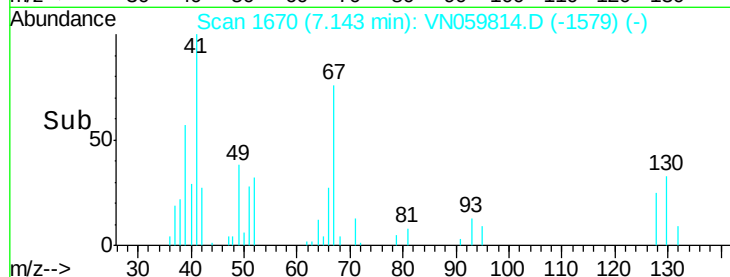
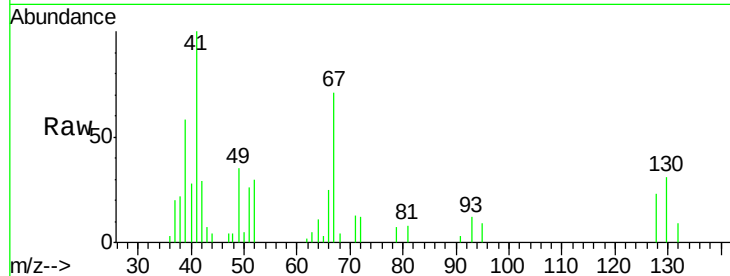
#41
Methacrylonitrile
Concen: 13.786 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD03

Tot Ion	41	Resp	16833
Ion	Ratio	Lower	Upper
41	100		
39	204.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

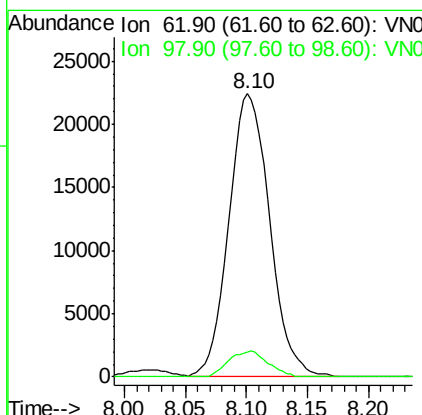
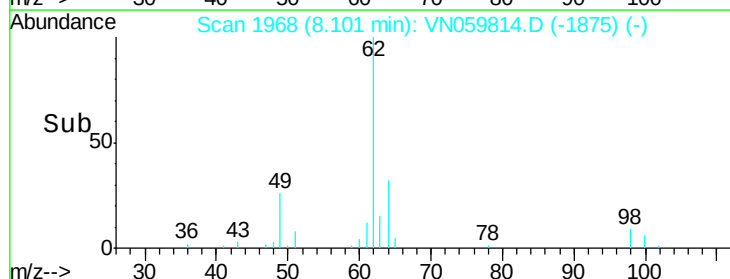
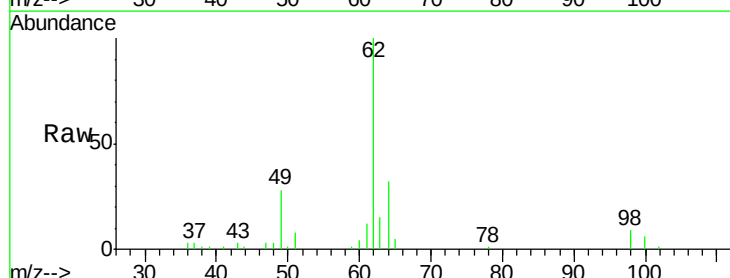
Manual Integrations
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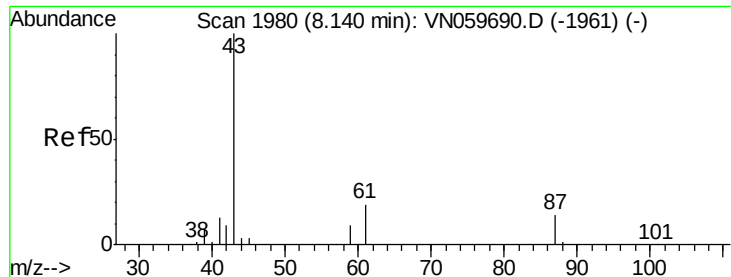
MMDadoda
1/22/2020 11:15:15 AM



#42
1,2-Dichloroethane
Concen: 19.490 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Tgt Ion	62	Resp	52088
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	15.8





#43

Isopropyl Acetate

Concen: 18.030 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Instrument :

MSVOA_N

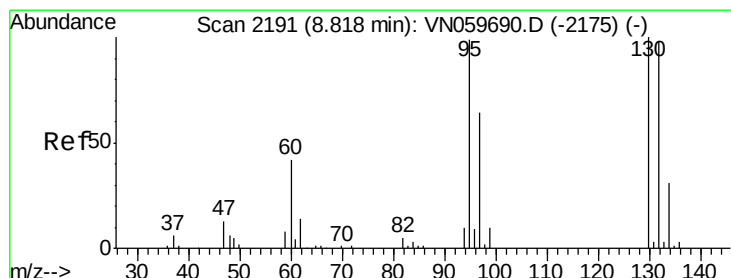
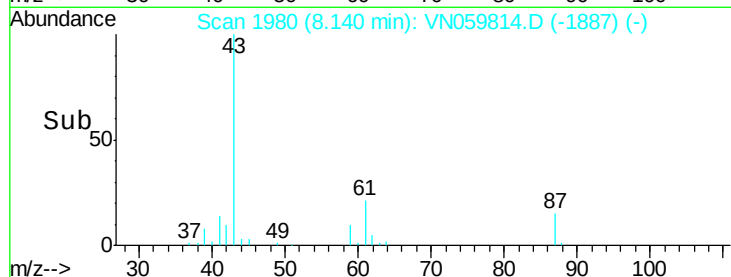
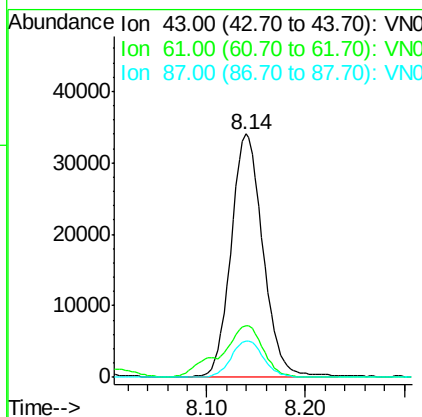
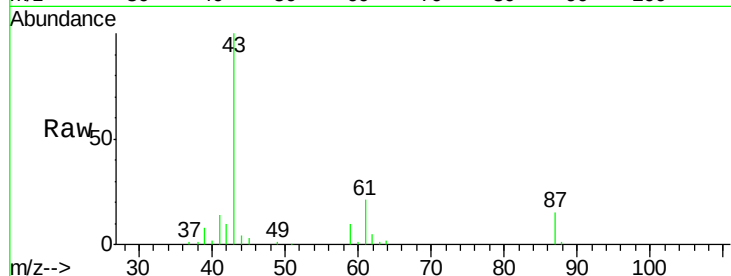
ClientSampleId :

VN0121MBSD03

Tot Ion:	43	Resp:	76878
Ion	Ratio	Lower	Upper
43	100		
61	22.4	20.2	30.2
87	15.0	9.5	14.3#

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#44

Trichloroethene

Concen: 19.782 ug/l

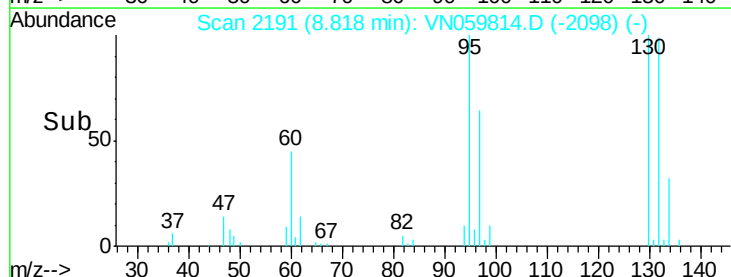
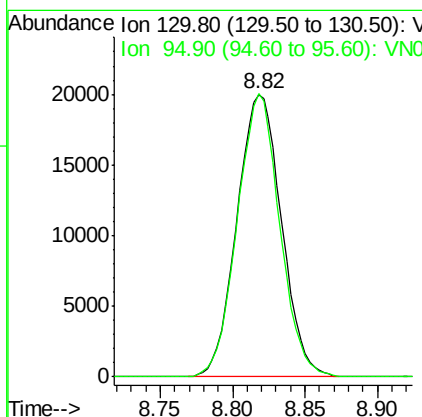
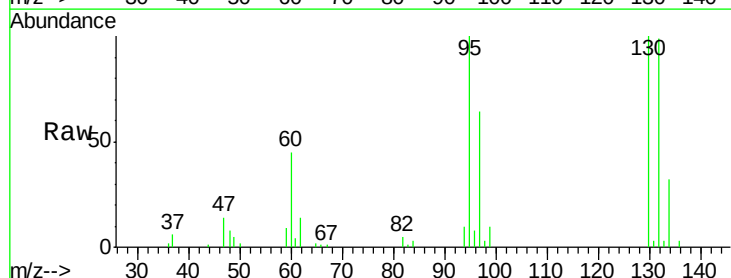
RT: 8.82 min Scan# 2191

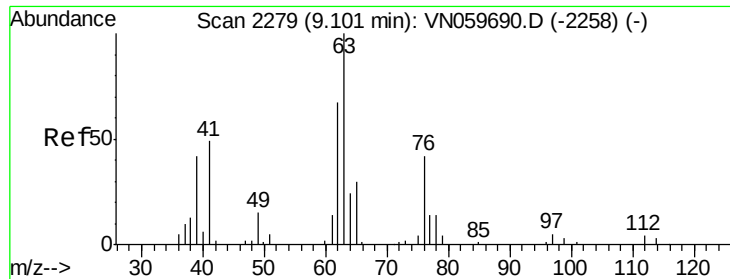
Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Tgt Ion:	130	Resp:	42568
Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	207.0





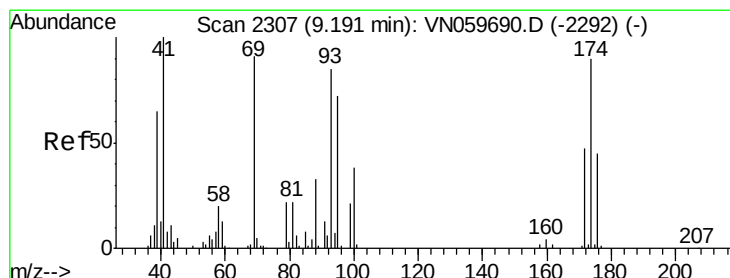
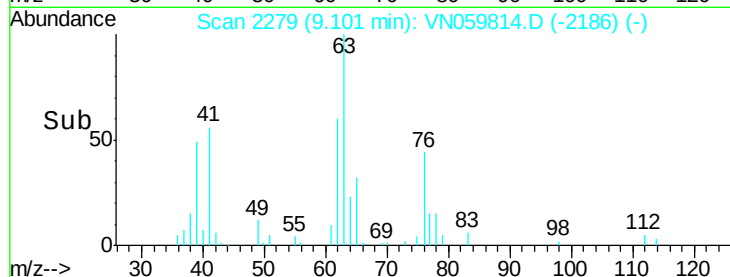
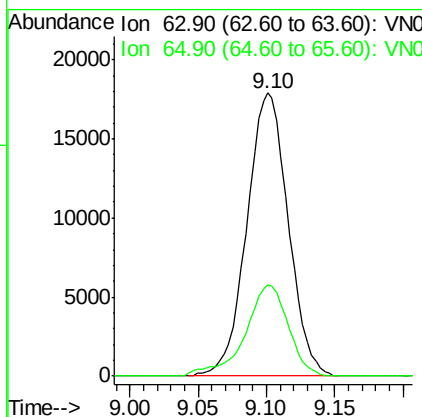
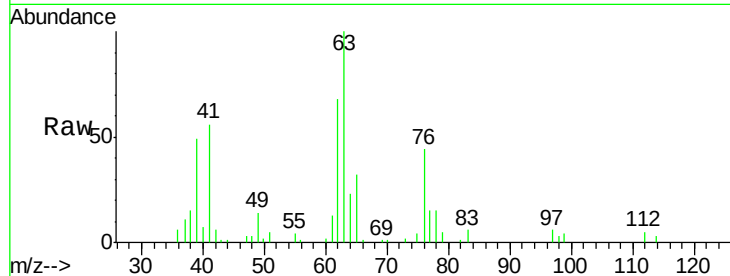
#45
 1,2-Dichloropropane
 Concen: 19.319 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059814.D
 Acq: 21 Jan 2020 17:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0121MBSD03

Tot Ion: 63 Resp: 37682
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.9 37.3

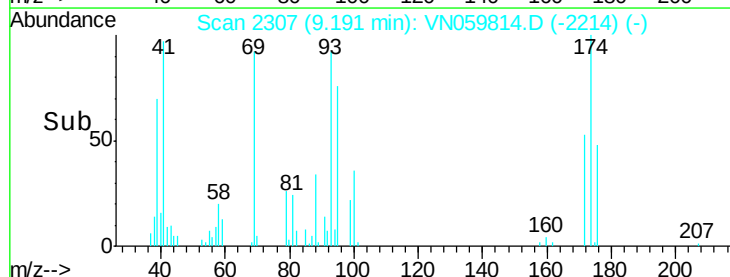
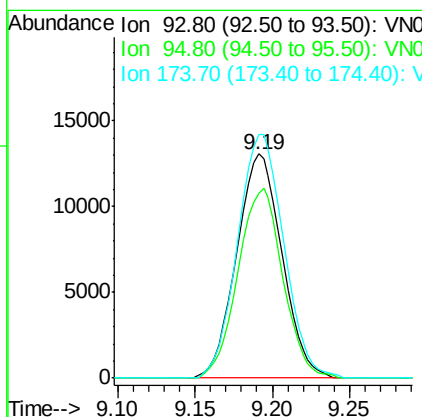
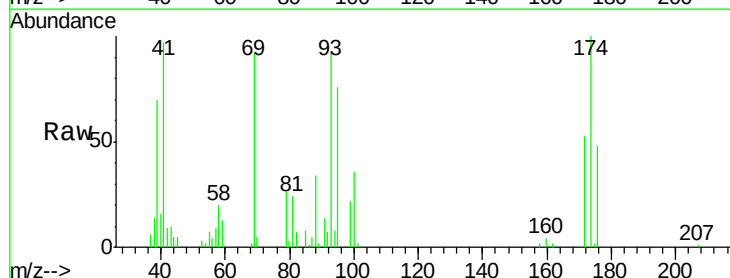
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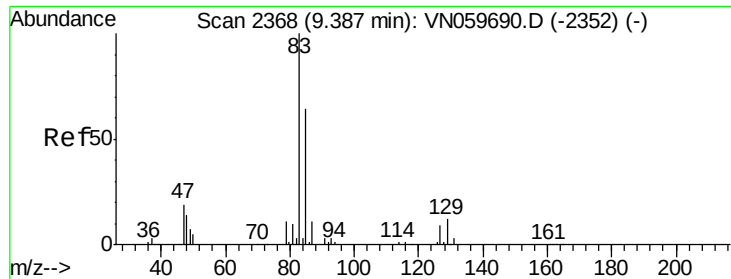
MMDadoda
 1/22/2020 11:15:15 AM



#46
 Dibromomethane
 Concen: 19.406 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059814.D
 Acq: 21 Jan 2020 17:34

Tgt Ion: 93 Resp: 26700
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.0 100.6
 174 110.7 73.4 110.2#





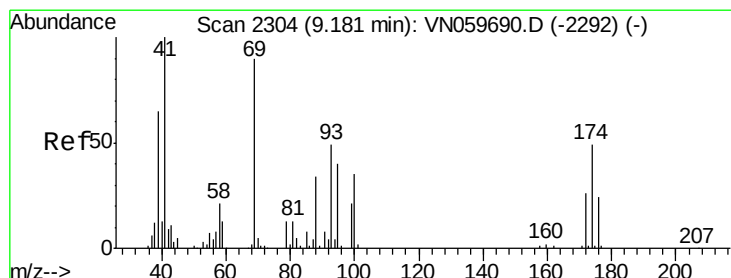
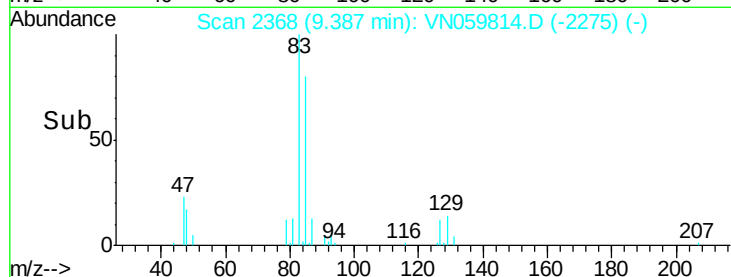
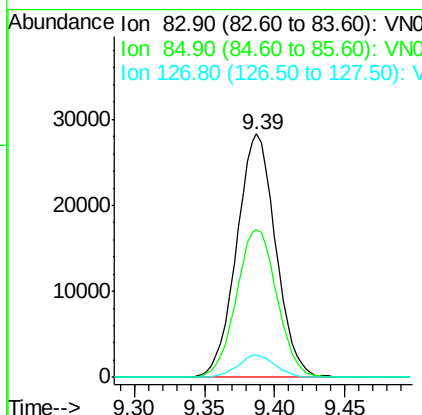
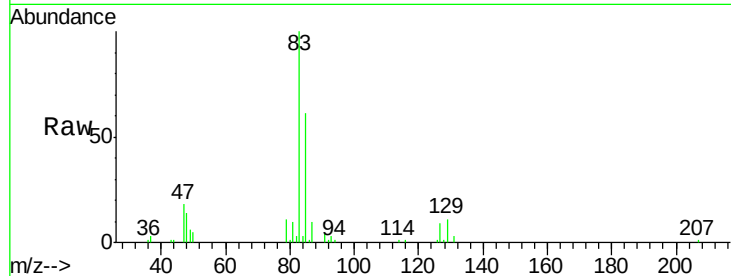
#47
Bromodichloromethane
Concen: 19.763 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD03

Tot Ion	83	Resp	54795
Ion Ratio	100	Lower	Upper
83	100		
85	60.8	51.1	76.7
127	9.3	6.6	9.8

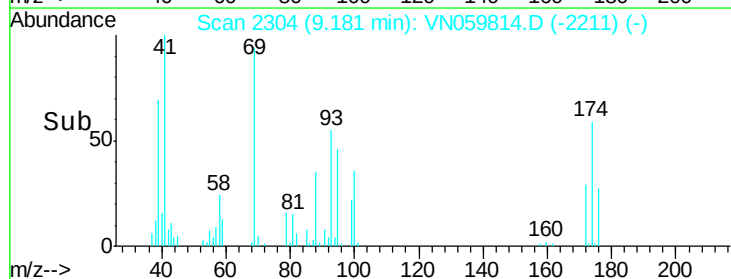
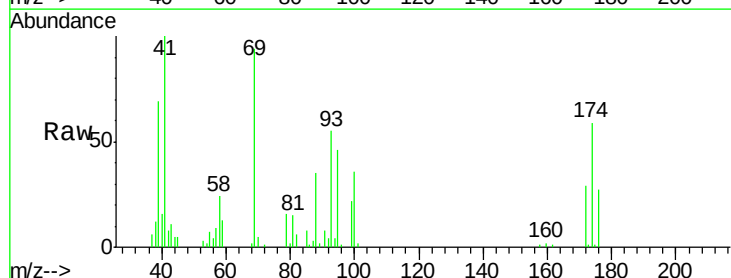
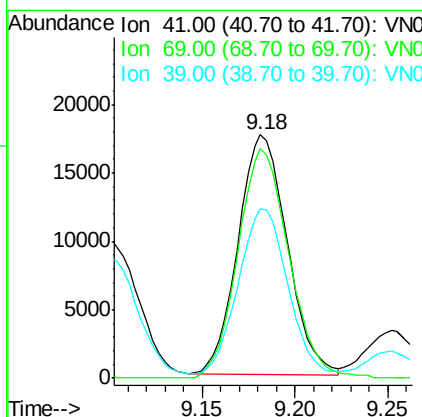
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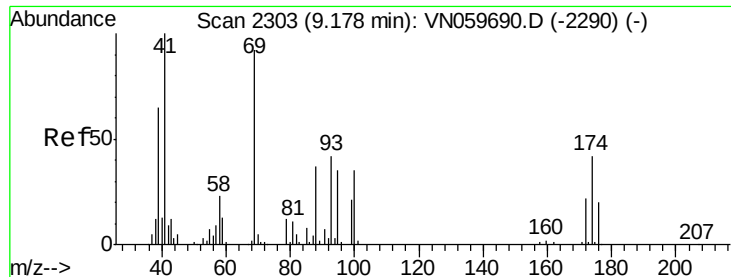
MMDadoda
1/22/2020 11:15:15 AM



#48
Methyl methacrylate
Concen: 16.975 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Tgt Ion	41	Resp	32375
Ion Ratio	100	Lower	Upper
41	100		
69	98.8	64.4	96.6#
39	72.4	51.3	76.9





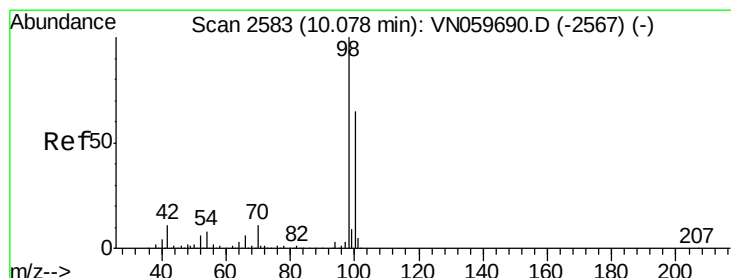
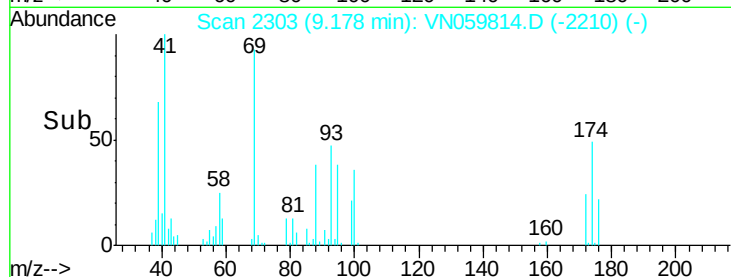
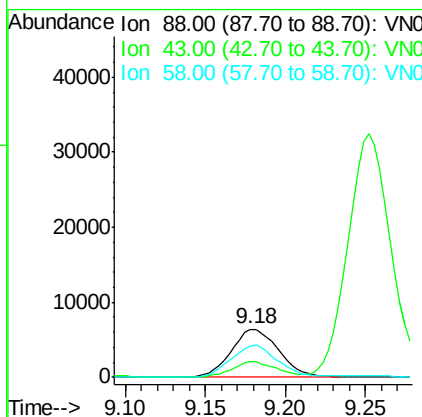
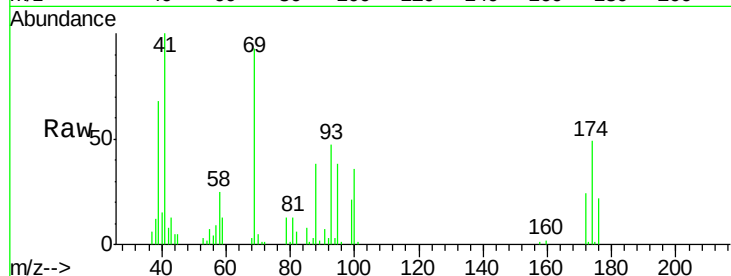
#49
1,4-Dioxane
Concen: 375.038 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD03

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	29.7	44.5
58	65.9	56.6	85.0

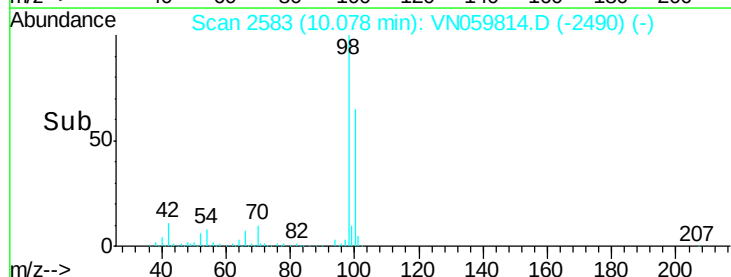
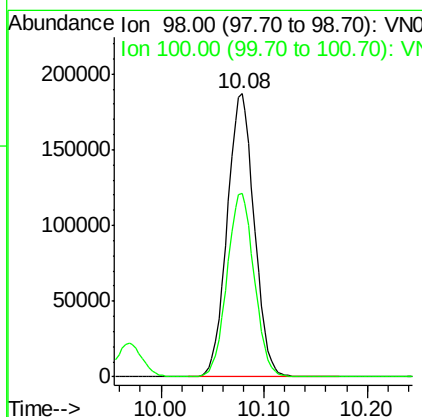
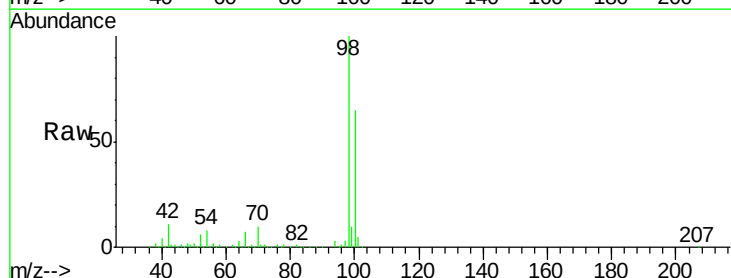
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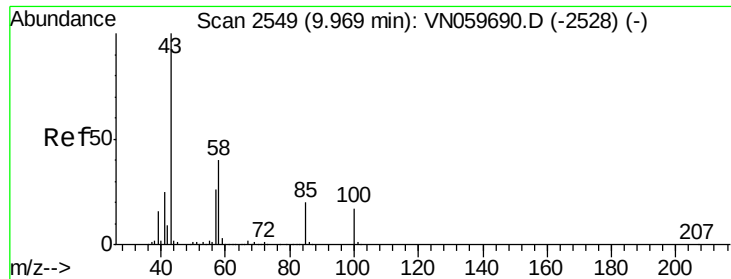
MMDadoda
1/22/2020 11:15:15 AM



#50
Toluene-d8
Concen: 48.821 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 91.462 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD03

Tot Ion: 43 Resp: 225433

Ion Ratio Lower Upper

43 100

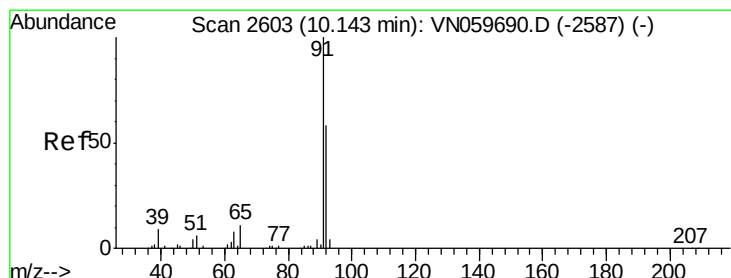
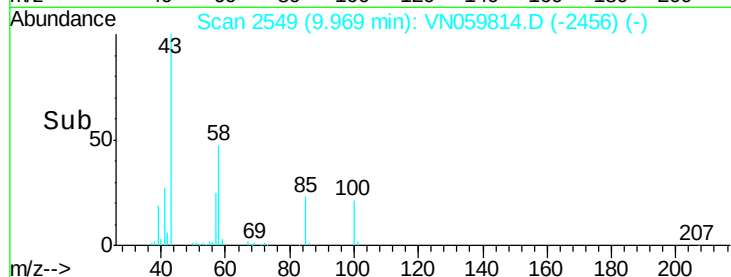
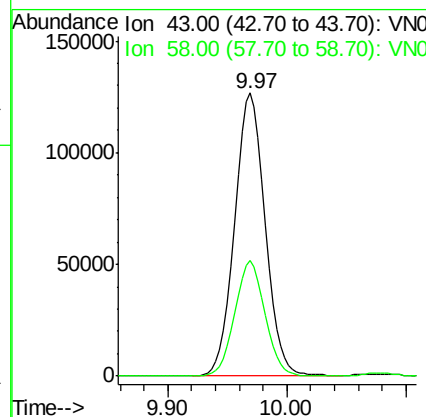
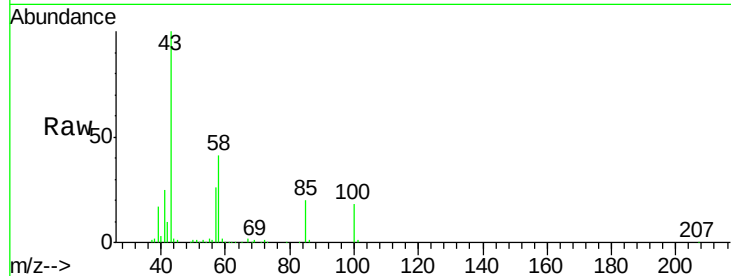
58 40.2 29.8 44.8

Manual Integrations

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MMDadoda

1/22/2020 11:15:15 AM



#52

Toluene

Concen: 18.973 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059814.D

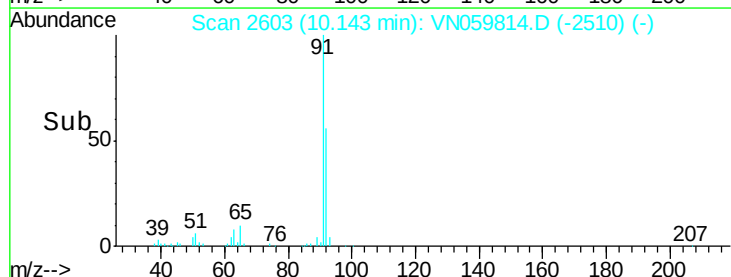
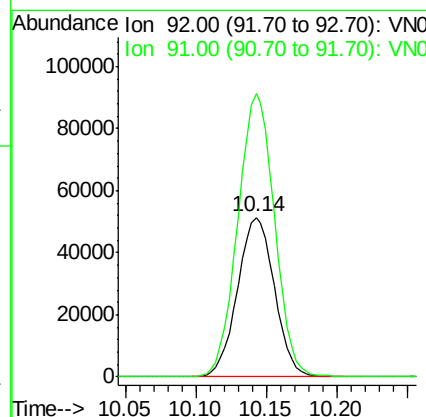
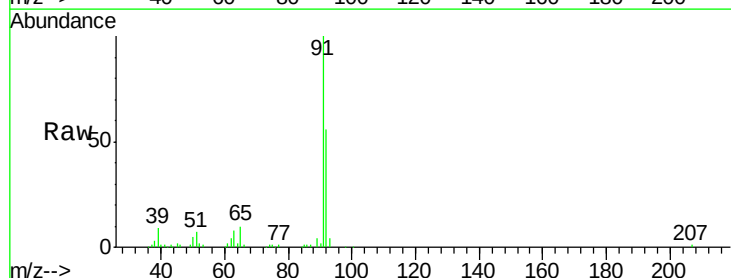
Acq: 21 Jan 2020 17:34

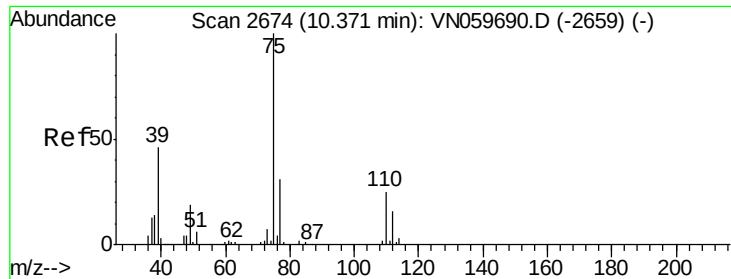
Tgt Ion: 92 Resp: 94465

Ion Ratio Lower Upper

92 100

91 176.5 140.4 210.6





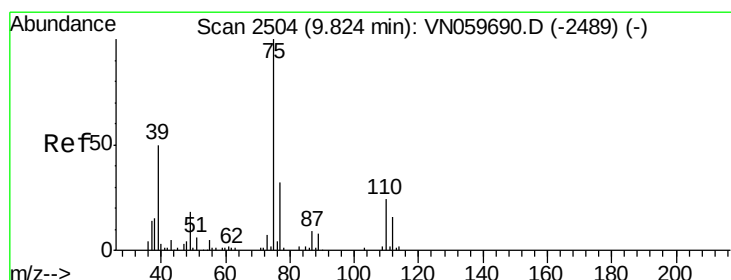
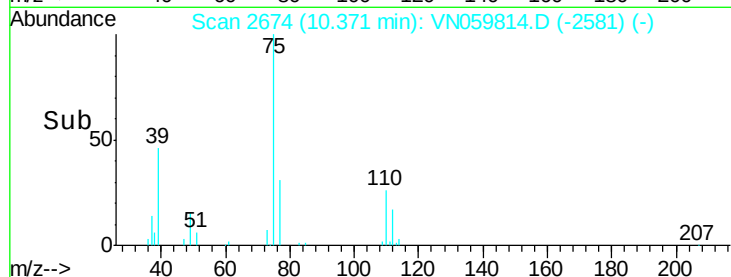
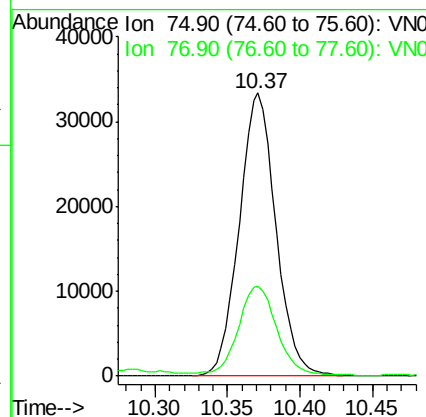
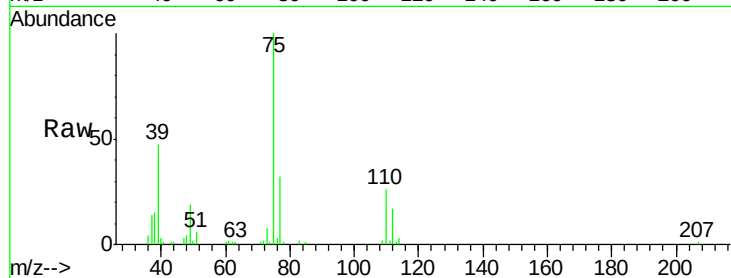
#53
t-1,3-Dichloropropene
Concen: 18.888 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD03

Tot Ion: 75 Resp: 58474
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.2

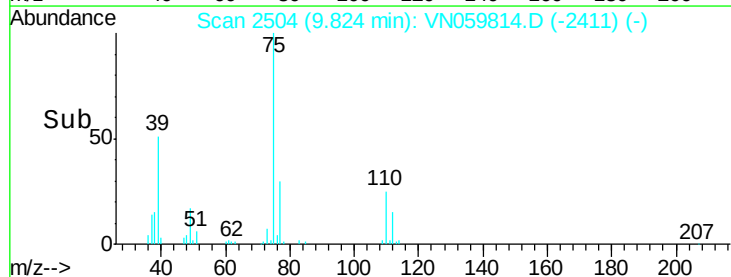
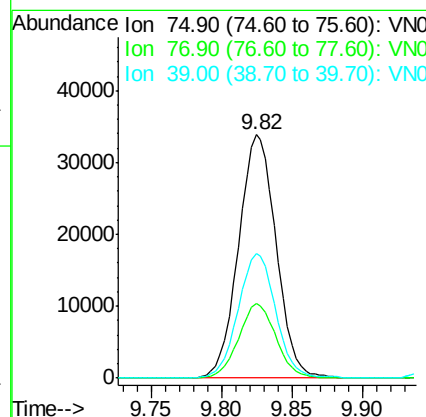
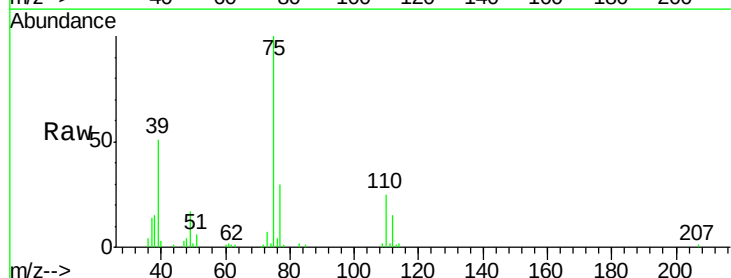
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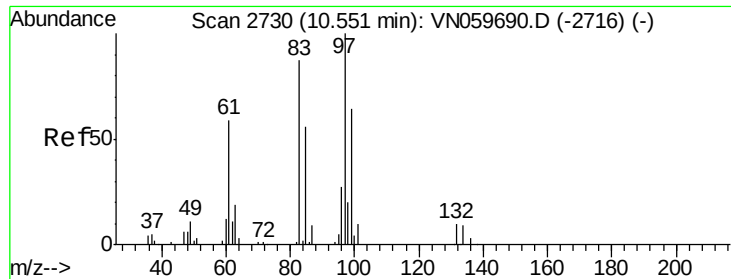
MMDadoda
1/22/2020 11:15:15 AM



#54
cis-1,3-Dichloropropene
Concen: 19.377 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Tgt Ion: 75 Resp: 63120
Ion Ratio Lower Upper
75 100
77 30.5 25.1 37.7
39 50.9 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 19.586 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD03

Tot Ion: 97 Resp: 38623

Ion Ratio Lower Upper

97 100

83 85.7 71.3 106.9

85 55.5 45.8 68.8

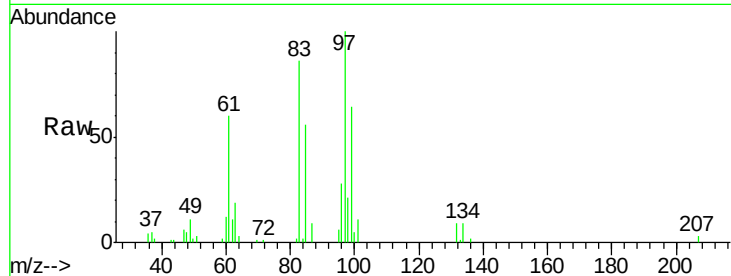
99 64.5 50.0 75.0

Manual Integrations

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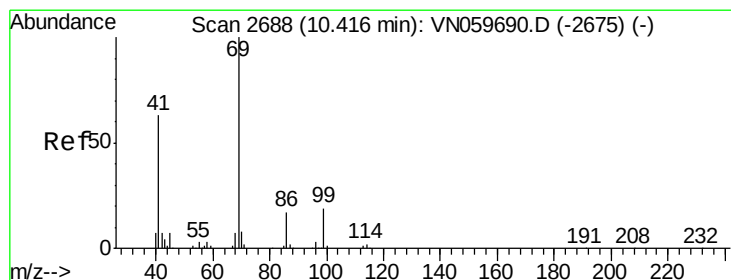
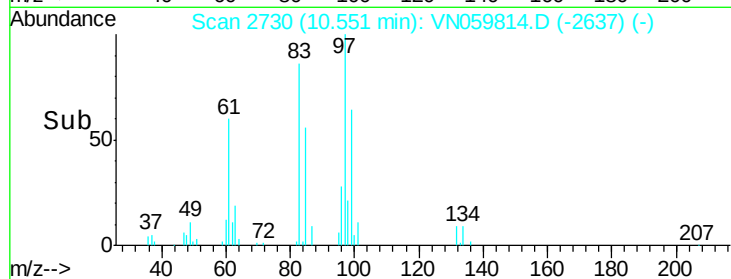
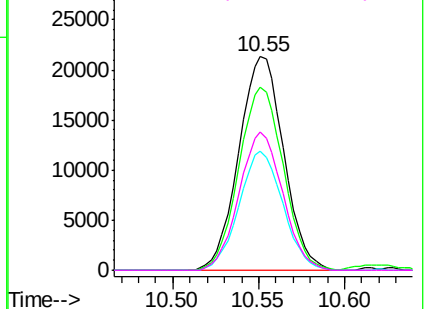


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 17.908 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

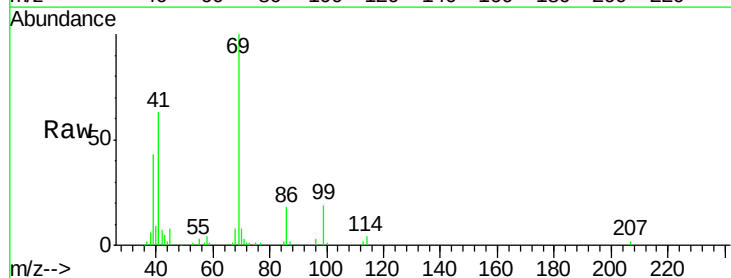
Tgt Ion: 69 Resp: 53960

Ion Ratio Lower Upper

69 100

41 63.6 57.1 85.7

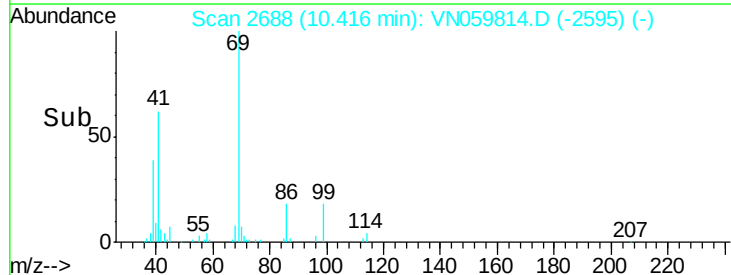
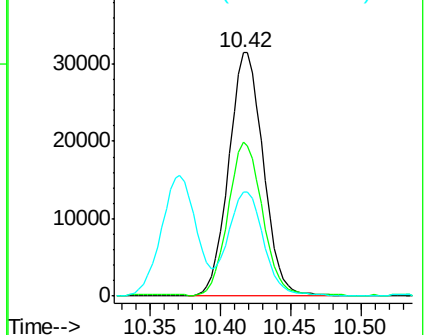
39 44.6 34.7 52.1

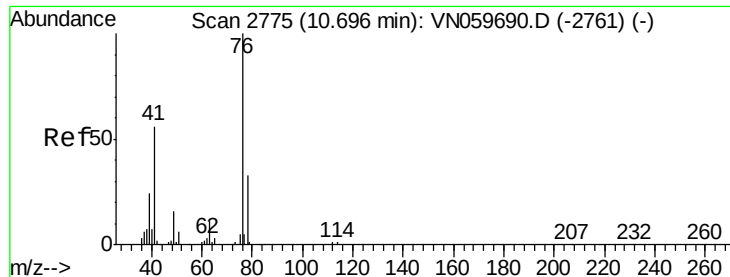


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





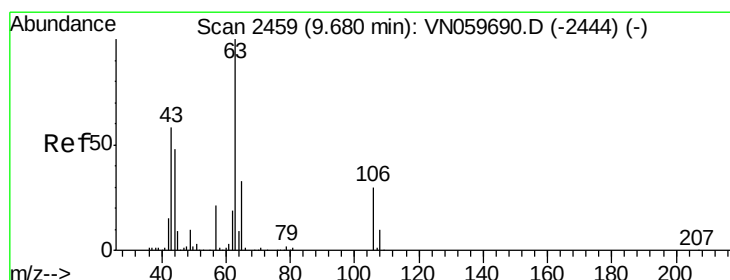
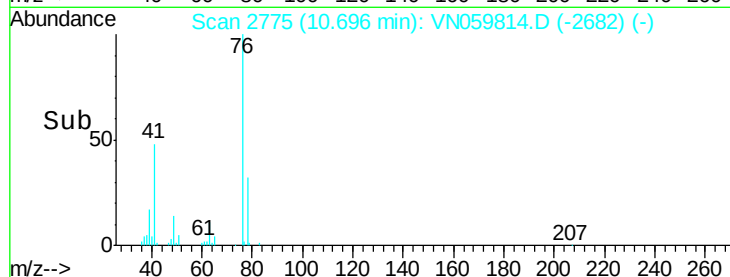
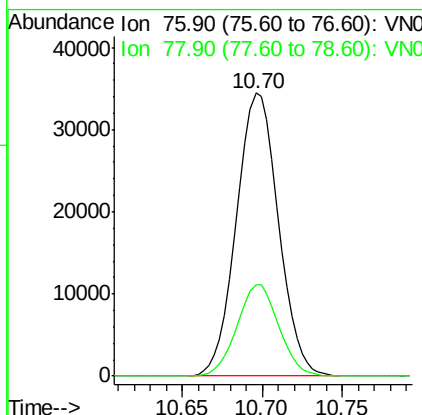
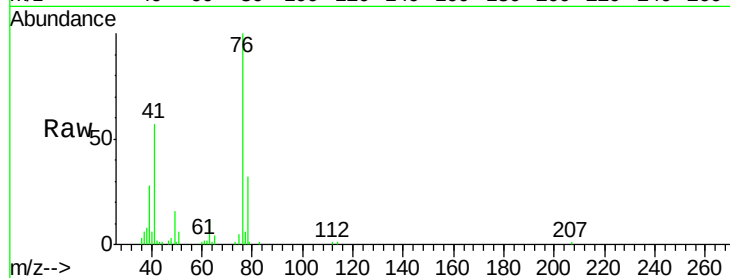
#57
 1,3-Dichloropropane
 Concen: 19.733 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059814.D
 Acq: 21 Jan 2020 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD03

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8

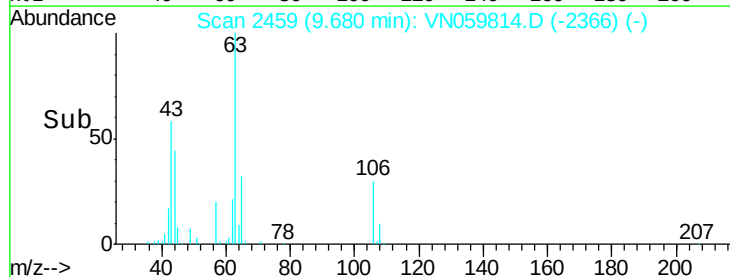
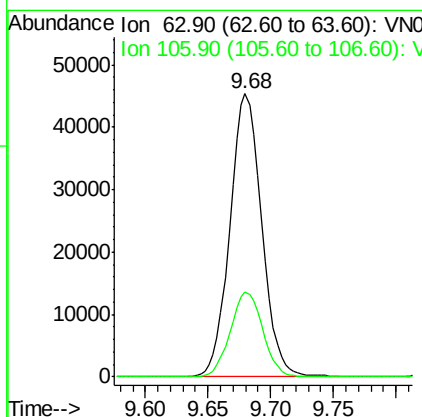
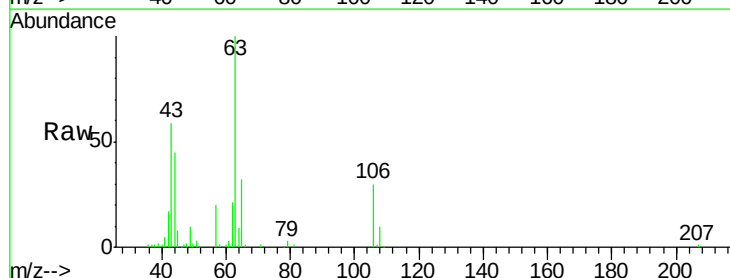
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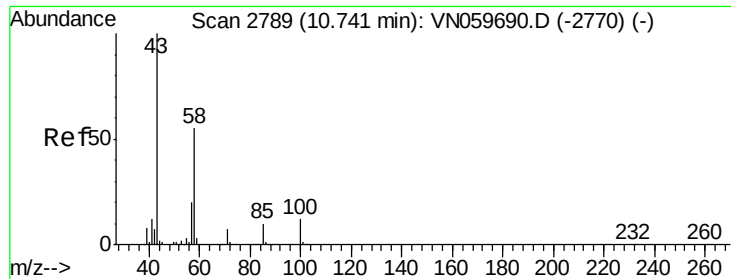
MMDadoda
 1/22/2020 11:15:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.043 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059814.D
 Acq: 21 Jan 2020 17:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.4	20.2	30.2





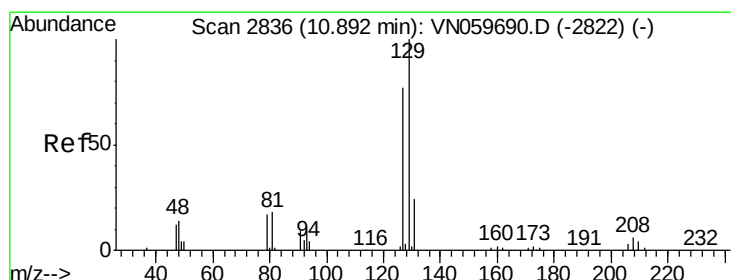
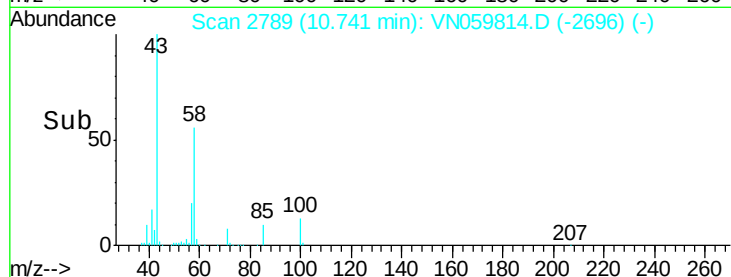
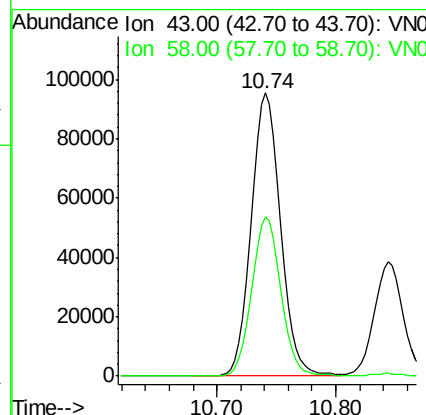
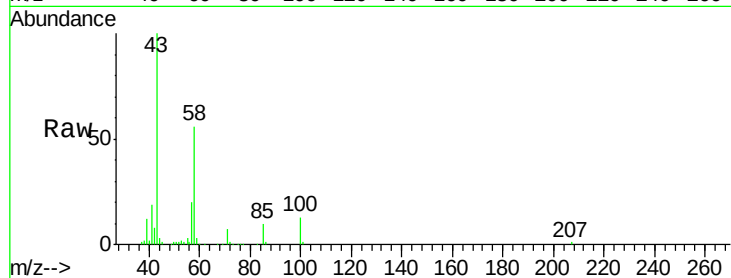
#59
2-Hexanone
Concen: 90.002 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD03

Tot Ion: 43 Resp: 163427
Ion Ratio Lower Upper
43 100
58 55.6 25.8 77.3

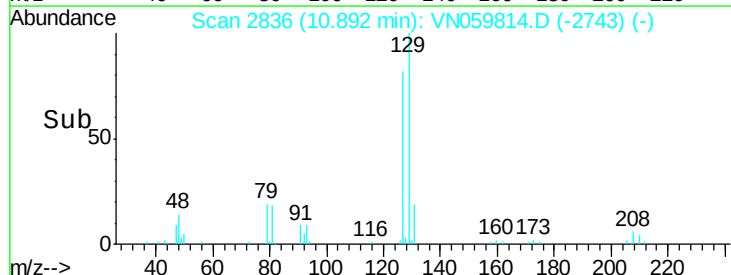
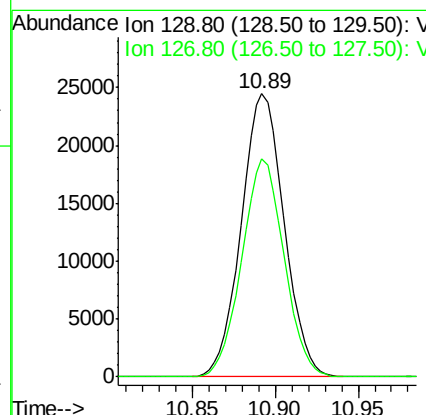
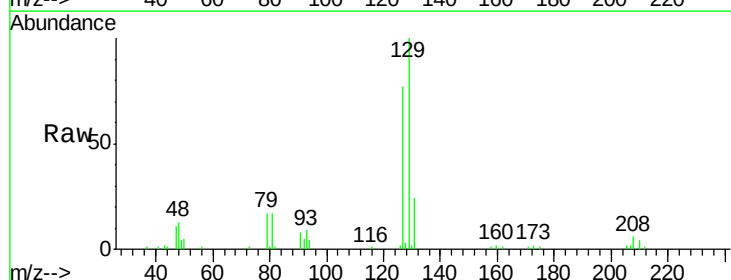
Manual Integrations
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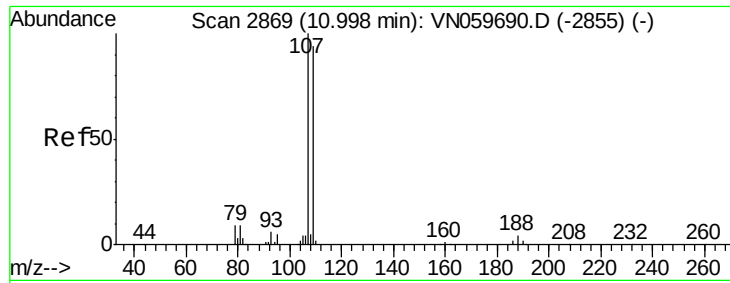
MMDadoda
1/22/2020 11:15:15 AM



#60
Dibromochloromethane
Concen: 19.539 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Tgt Ion: 129 Resp: 43876
Ion Ratio Lower Upper
129 100
127 75.9 38.5 115.5





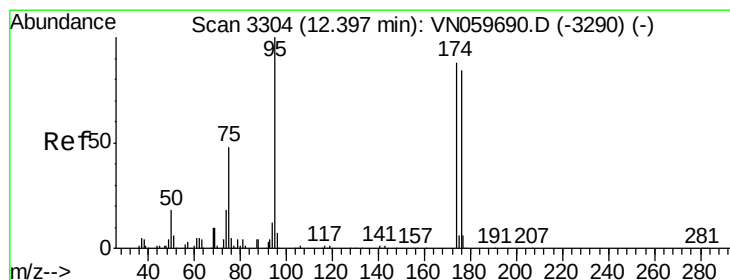
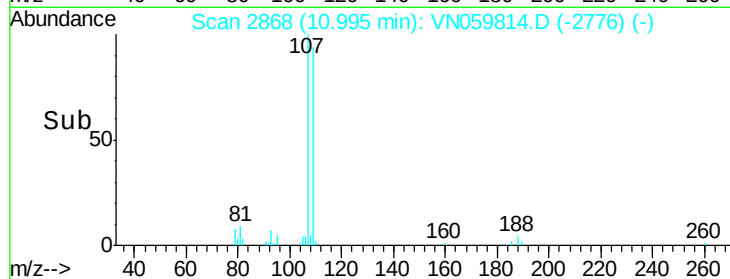
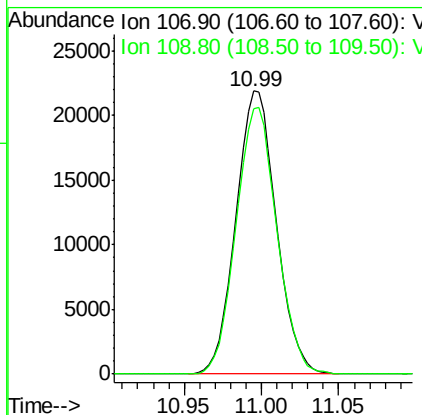
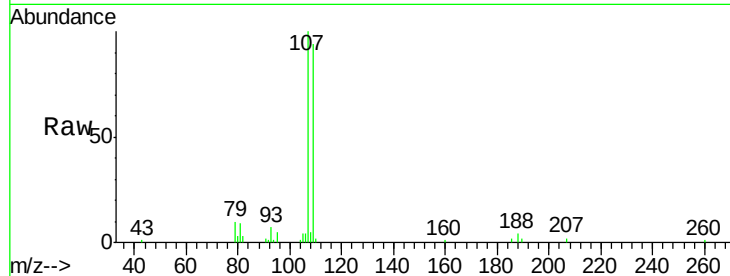
#61
 1,2-Dibromoethane
 Concen: 19.237 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059814.D
 Acq: 21 Jan 2020 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD03

Tot Ion: 107 Resp: 39760
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.6 115.0

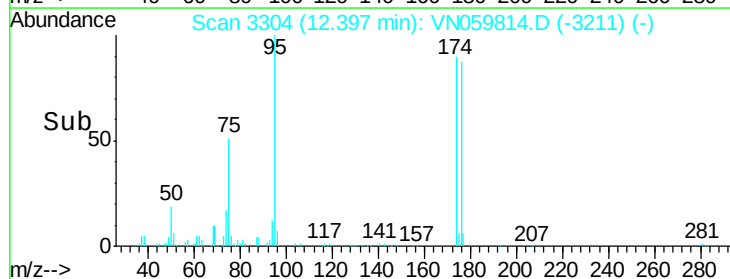
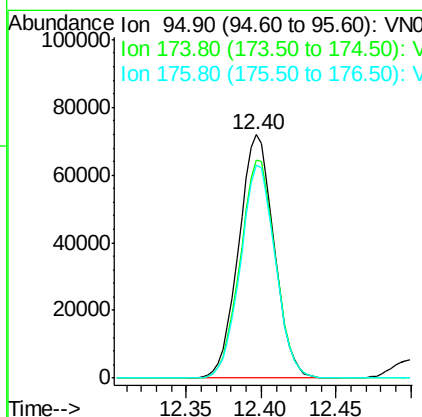
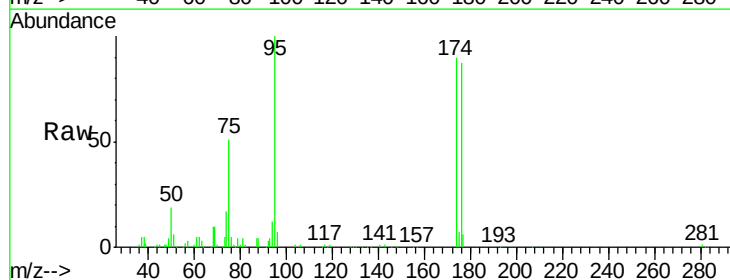
Manual Integrations
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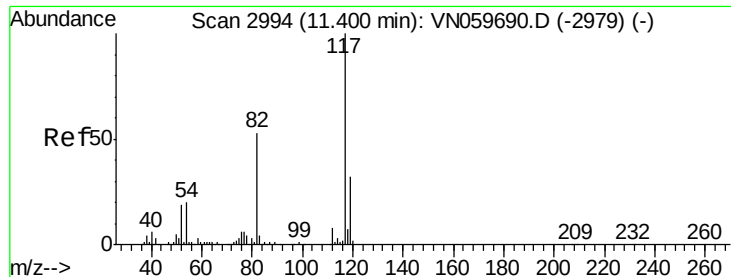
MMDadoda
 1/22/2020 11:15:15 AM



#62
 4-Bromofluorobenzene
 Concen: 46.729 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059814.D
 Acq: 21 Jan 2020 17:34

Tgt Ion: 95 Resp: 118131
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 151.4
 176 86.6 0.0 146.0





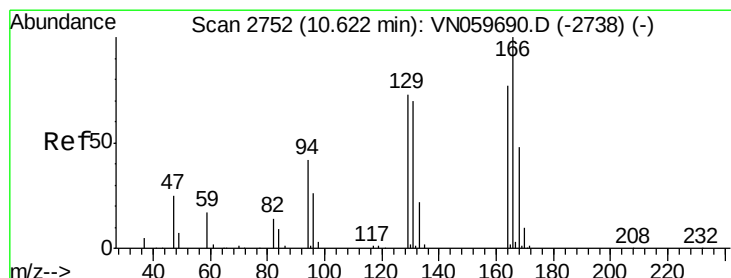
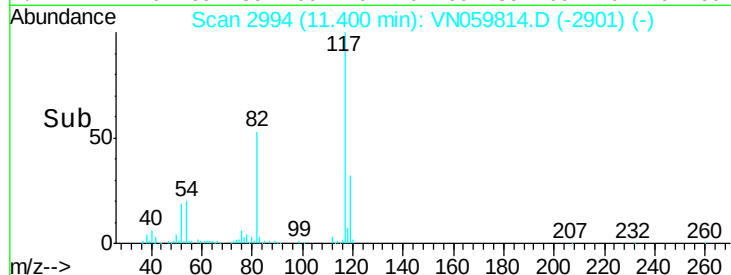
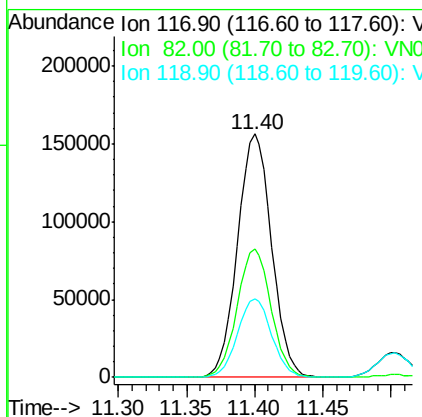
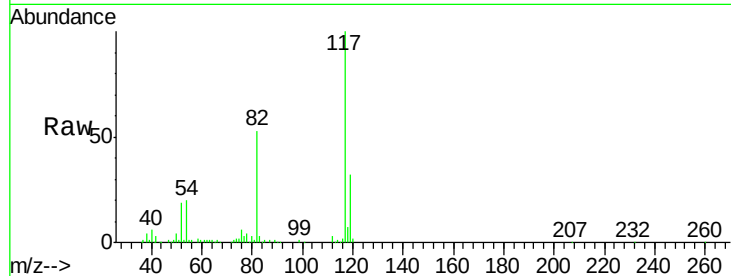
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	271168		
82	52.5	45.9	68.9	
119	32.5	25.5	38.3	

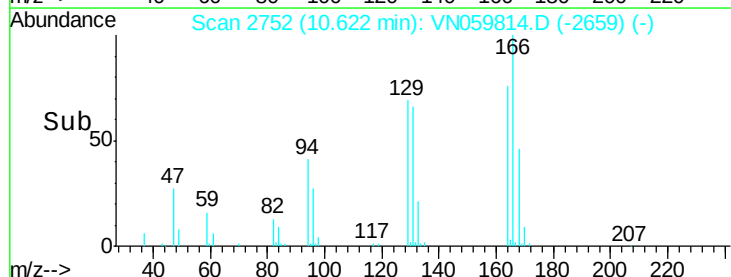
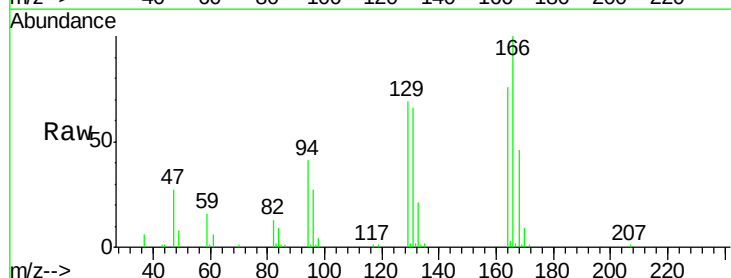
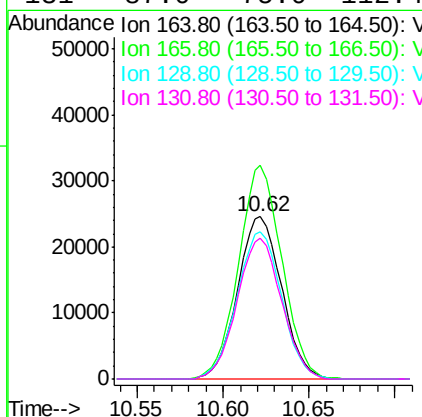
Manual Integrations
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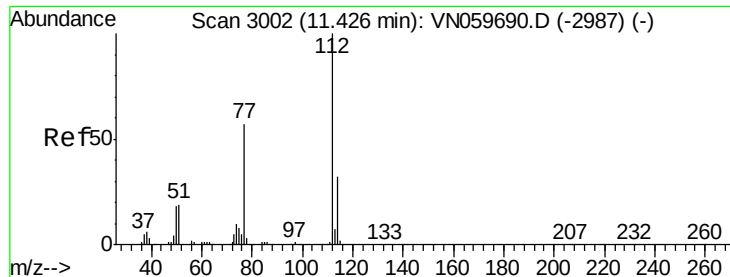
MMDadoda
1/22/2020 11:15:15 AM



#64
Tetrachloroethene
Concen: 19.743 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	43633		
166	131.8	101.4	152.0	
129	90.7	80.2	120.4	
131	87.0	75.0	112.4	





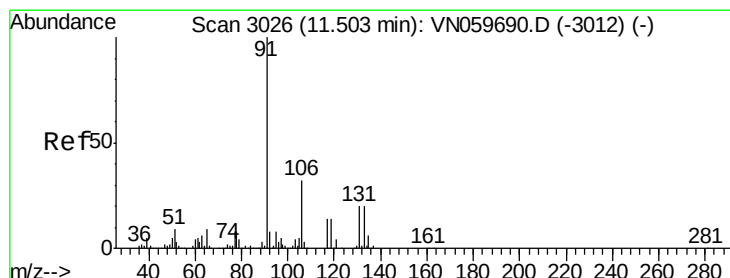
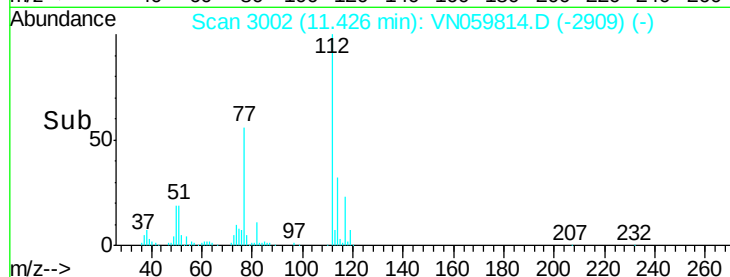
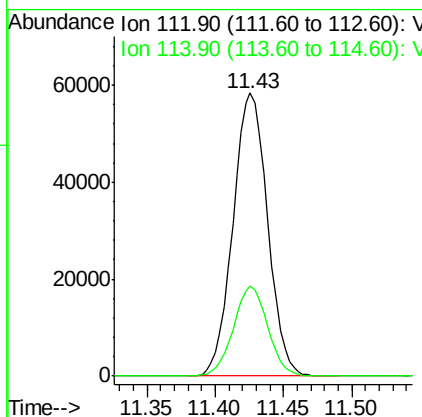
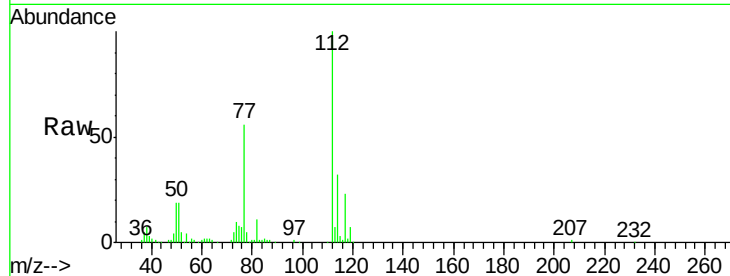
#65
Chlorobenzene
Concen: 19.257 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD03

Tot Ion:112 Resp: 102638
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.8

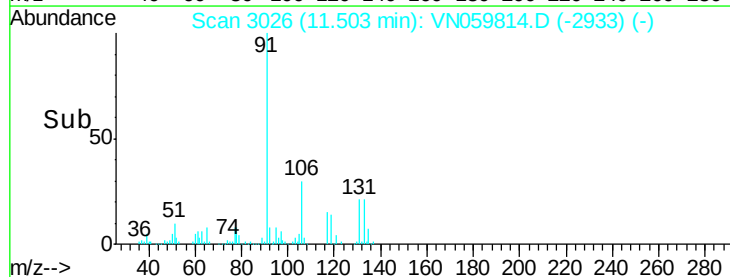
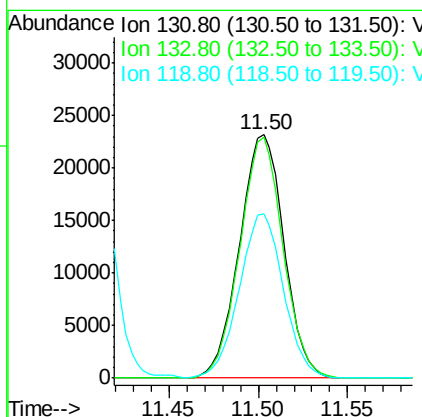
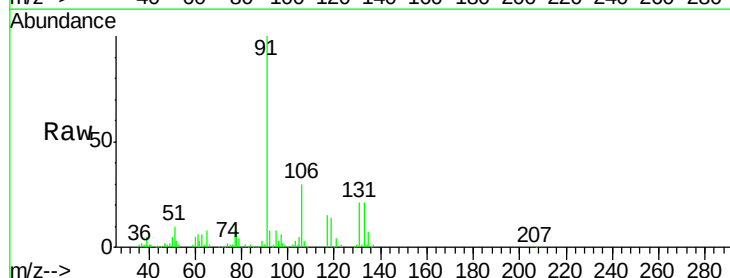
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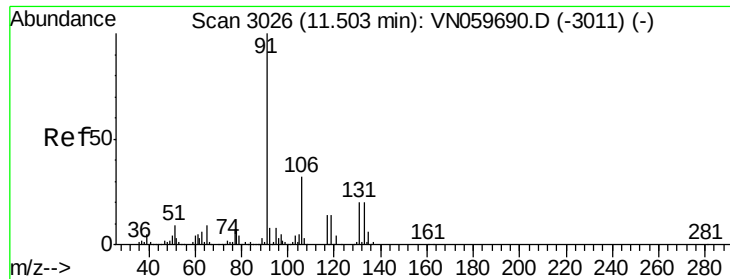
MMDadoda
1/22/2020 11:15:15 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.568 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Tgt Ion:131 Resp: 40299
Ion Ratio Lower Upper
131 100
133 96.2 47.4 142.2
119 67.0 33.1 99.3





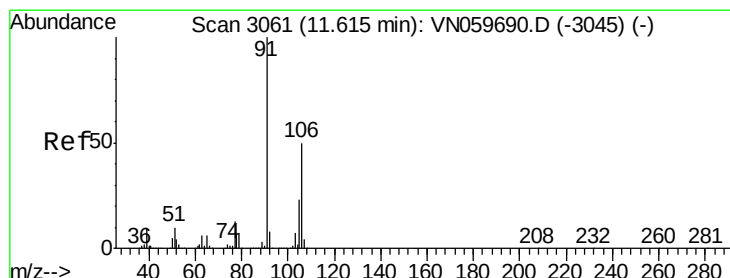
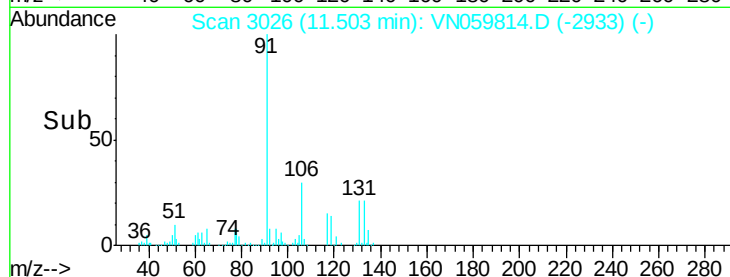
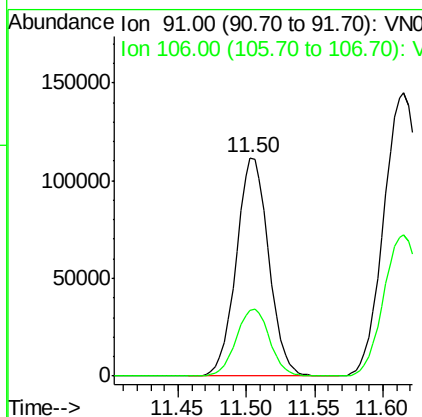
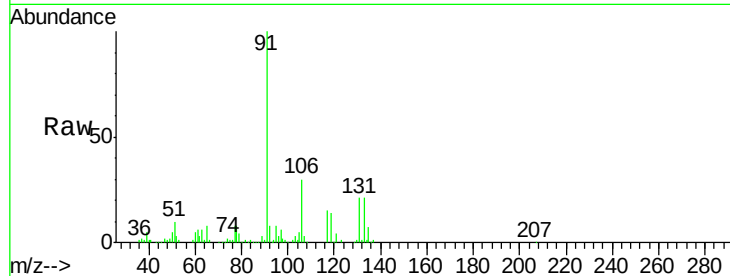
#67
Ethyl Benzene
Concen: 19.028 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD03

Tot Ion: 91 Resp: 184107
Ion Ratio Lower Upper
91 100
106 30.3 24.1 36.1

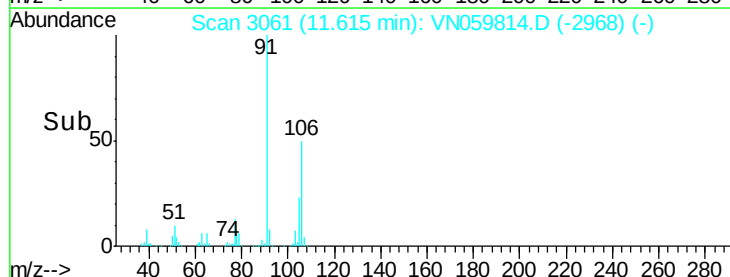
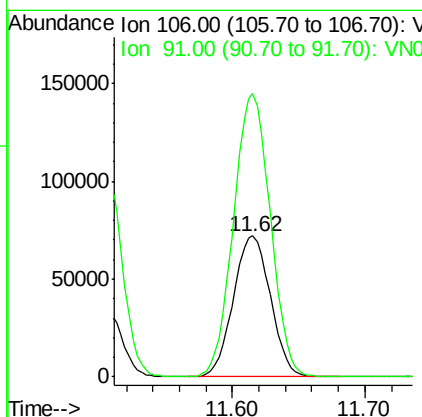
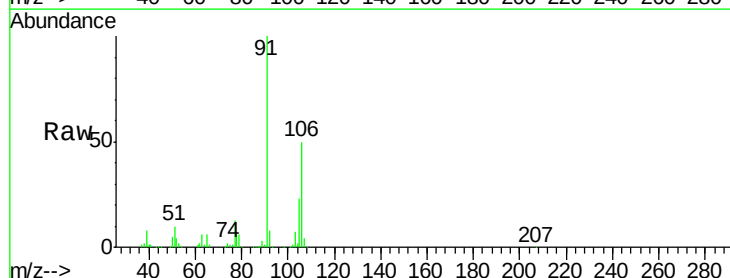
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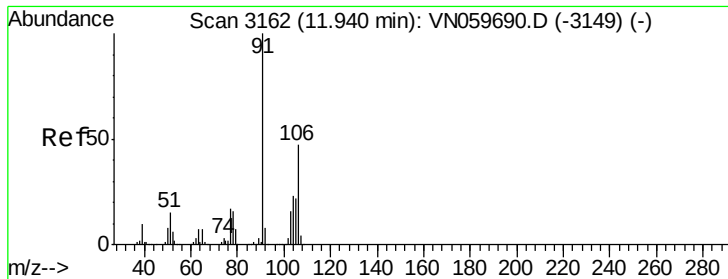
MMDadoda
1/22/2020 11:15:15 AM



#68
m/p-Xylenes
Concen: 38.394 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Tgt Ion: 106 Resp: 140325
Ion Ratio Lower Upper
106 100
91 199.3 167.9 251.9





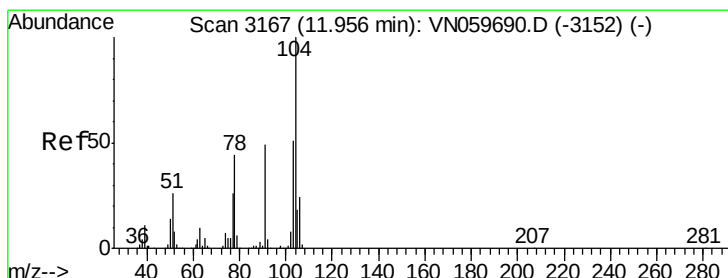
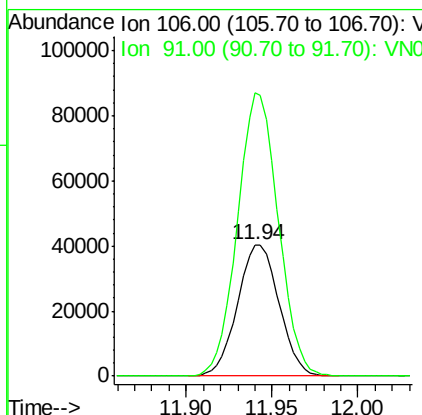
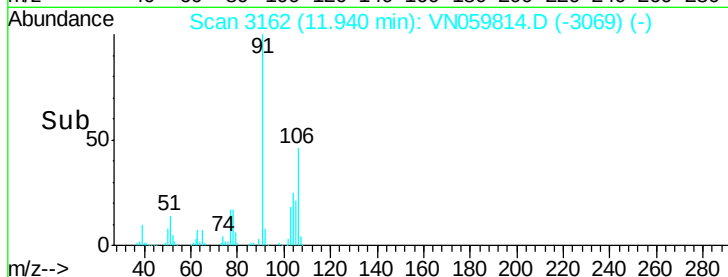
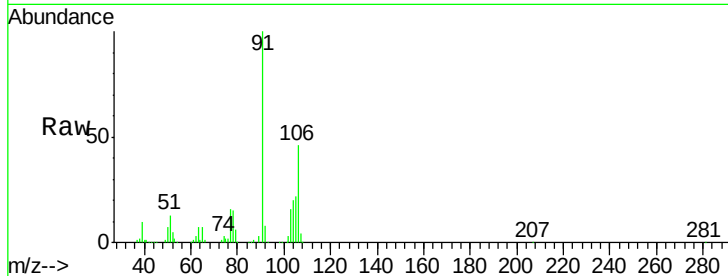
#69
o-Xylene
Concen: 18.934 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD03

Tot Ion:106 Resp: 67748
Ion Ratio Lower Upper
106 100
91 211.4 110.3 330.9

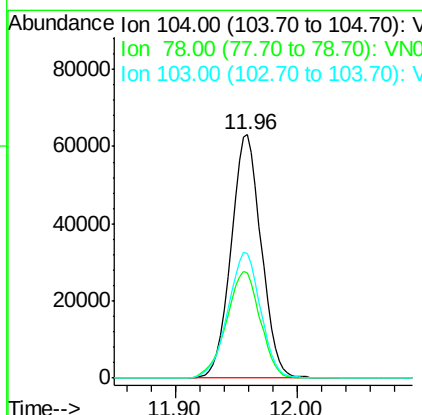
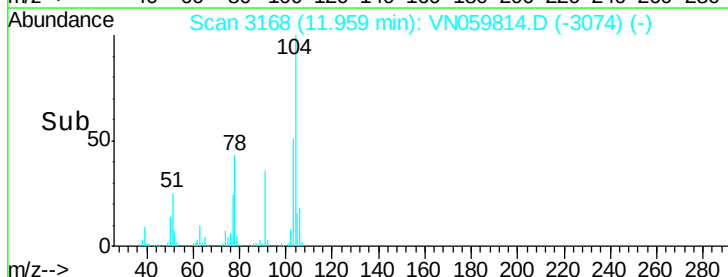
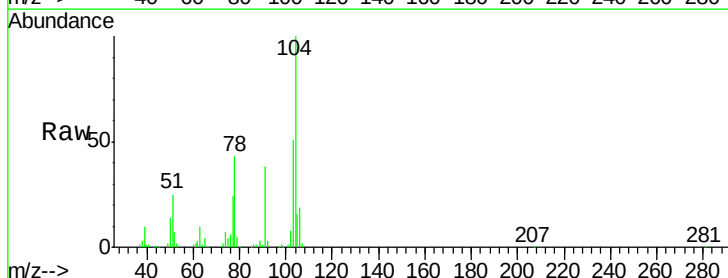
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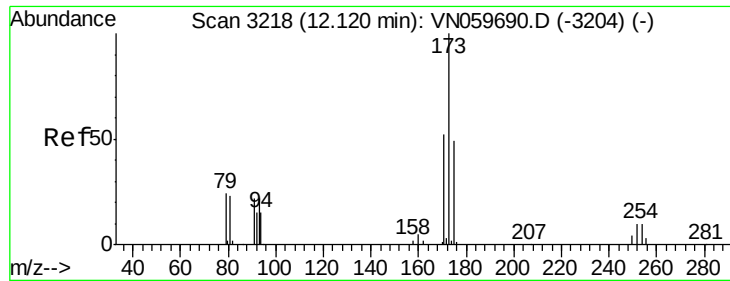
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#70
Styrene
Concen: 18.150 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Tgt Ion:104 Resp: 108670
Ion Ratio Lower Upper
104 100
78 48.9 42.4 63.6
103 55.9 43.9 65.9





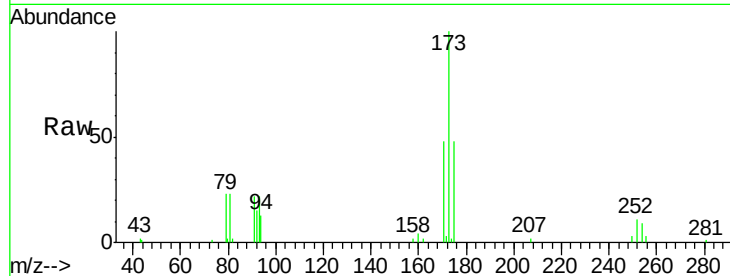
#71
Bromoform
Concen: 19.702 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampled :
VN0121MBSD03

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.8	71.4
254	0.0	0.0	0.0

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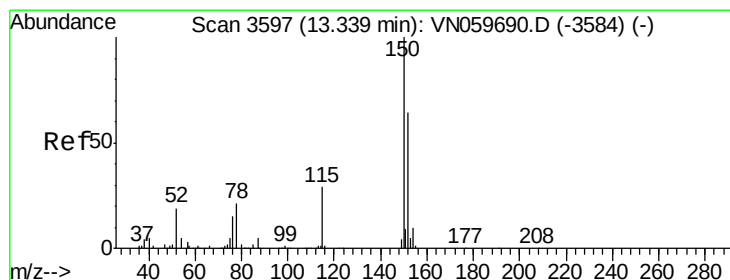
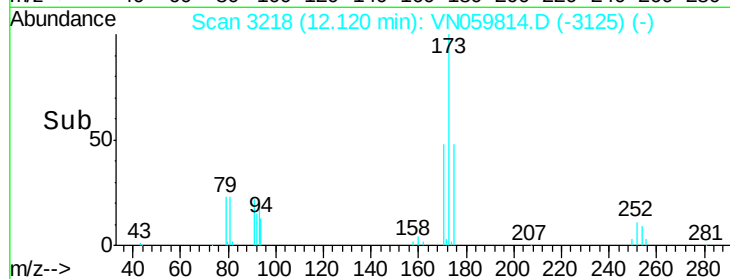
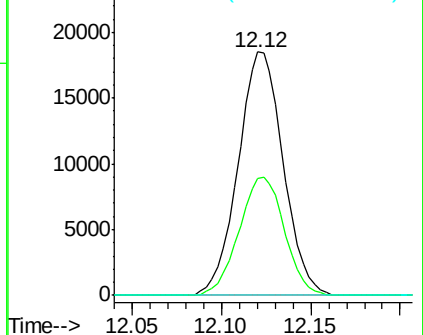


Abundance

Ion 172.70 (172.40 to 173.40): V

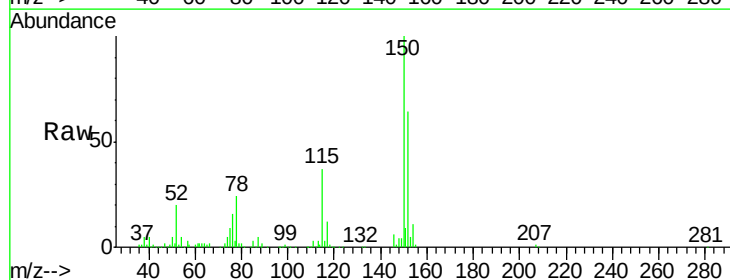
Ion 174.70 (174.40 to 175.40): V

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: VN059814.D
Acq: 21 Jan 2020 17:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	30.3	90.9
150	162.1	0.0	345.2

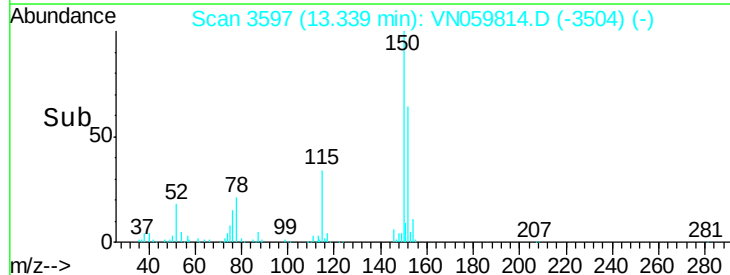
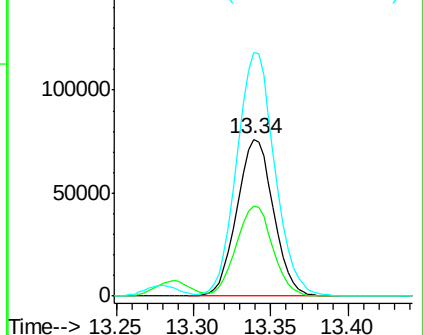


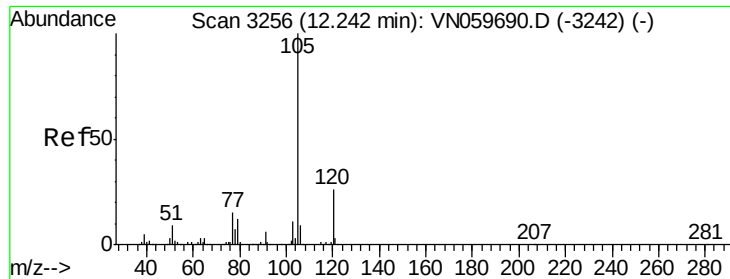
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.743 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD03

Tot Ion:105 Resp: 181014

Ion Ratio Lower Upper

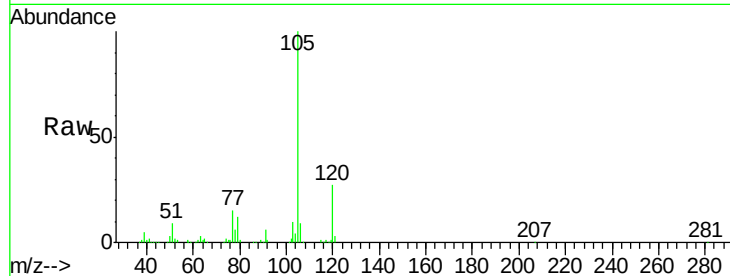
105 100

120 26.6 13.2 39.5

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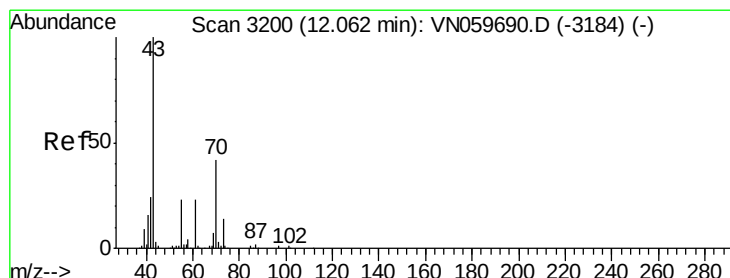
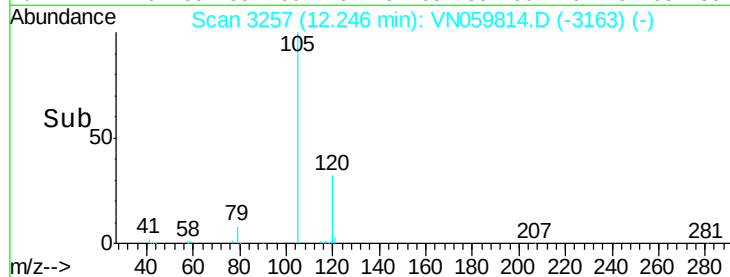
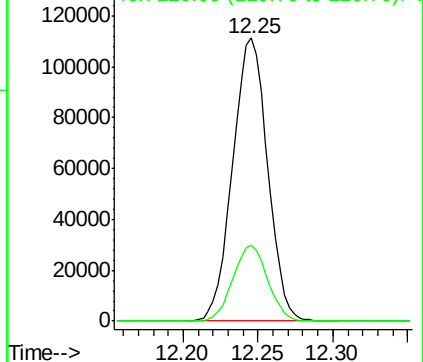
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.751 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Tgt Ion: 43 Resp: 63150

Ion Ratio Lower Upper

43 100

70 43.7 31.3 46.9

55 24.5 19.8 29.6

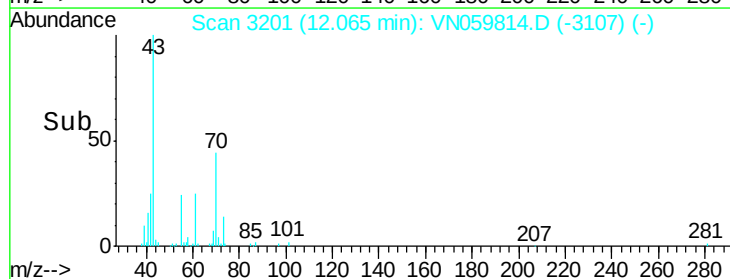
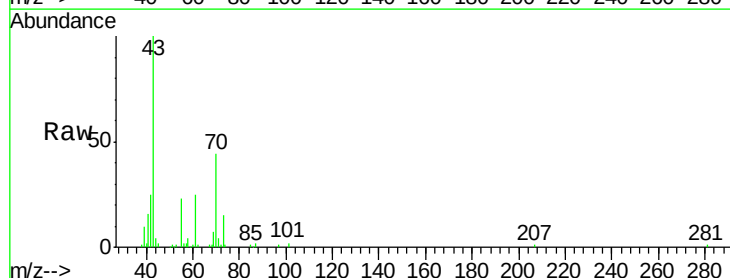
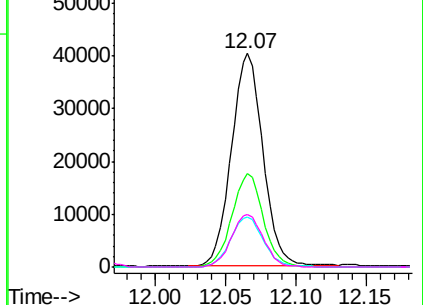
61 24.9 18.3 27.5

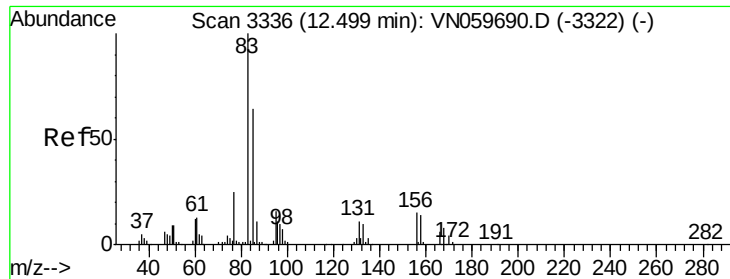
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.513 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Instrument :

MSVOA_N

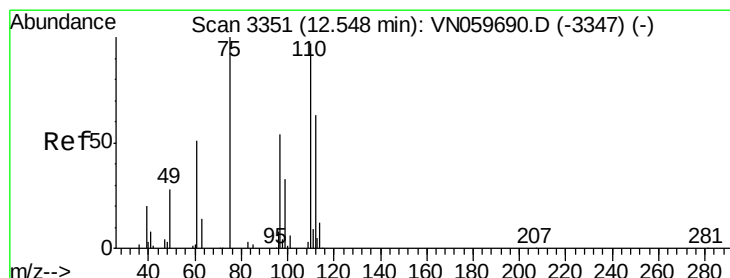
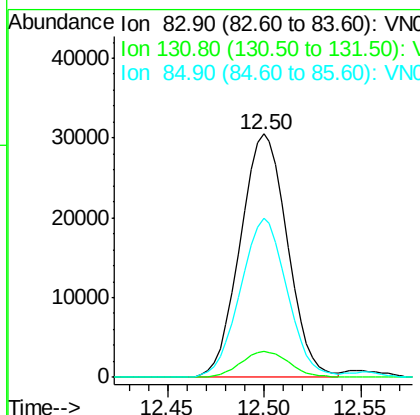
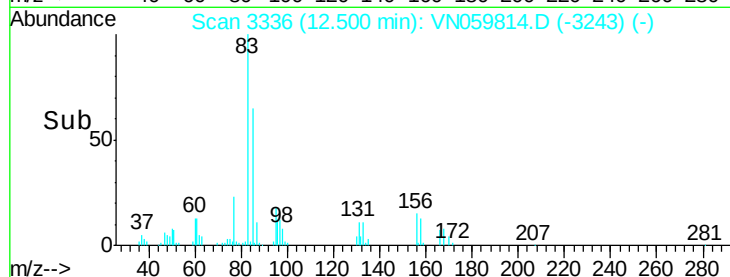
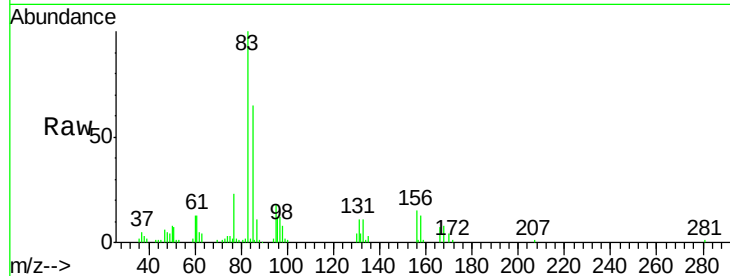
ClientSampleId :

VN0121MBSD03

Tot Ion:	83	Resp:	51864
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.0	14.9
85	64.5	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 22.906 ug/l m

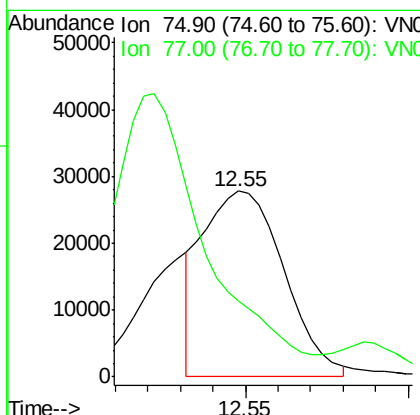
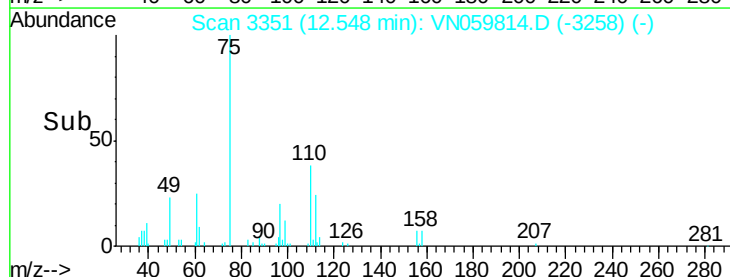
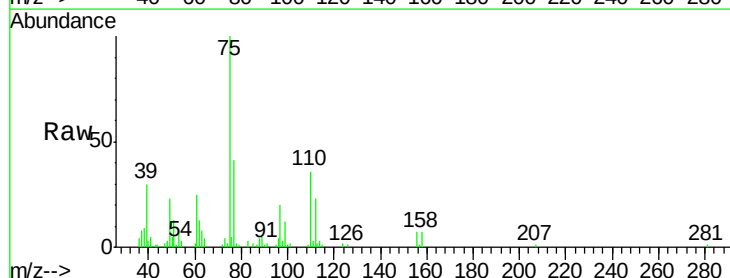
RT: 12.55 min Scan# 3351

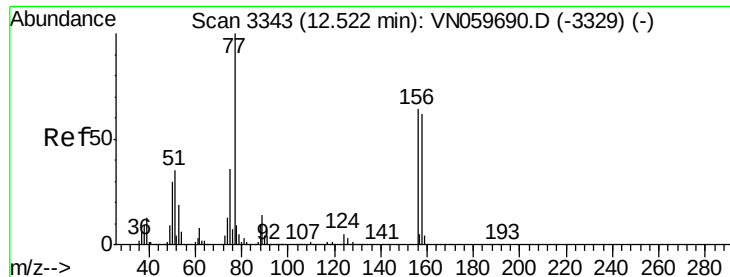
Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Tgt Ion:	75	Resp:	48190
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.345 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Instrument :

MSVOA_N

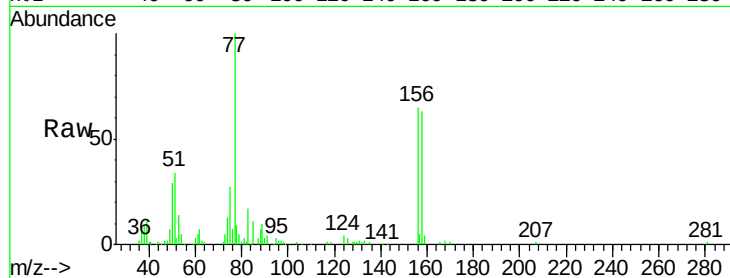
ClientSampleId :

VN0121MBS03

Tot Ion:	156	Resp:	47236
Ion Ratio	Lower	Upper	
156	100		
77	185.2	115.8	347.4
158	95.6	49.2	147.6

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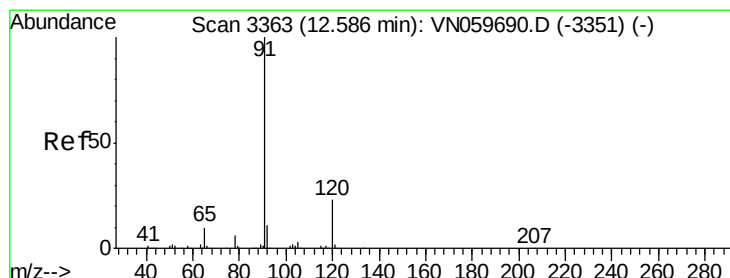
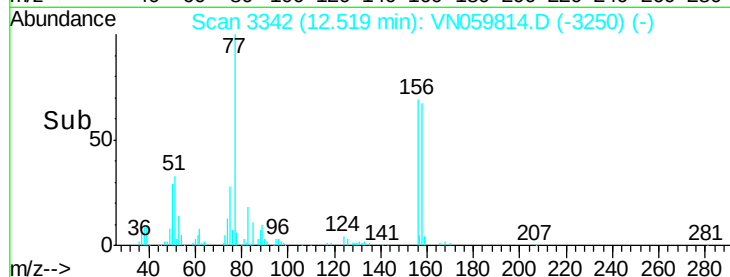
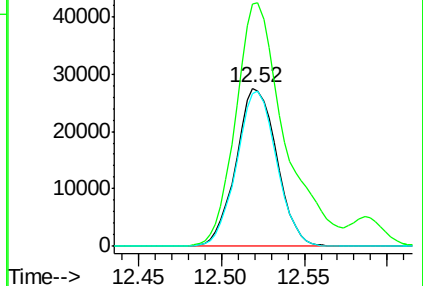
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.318 ug/l

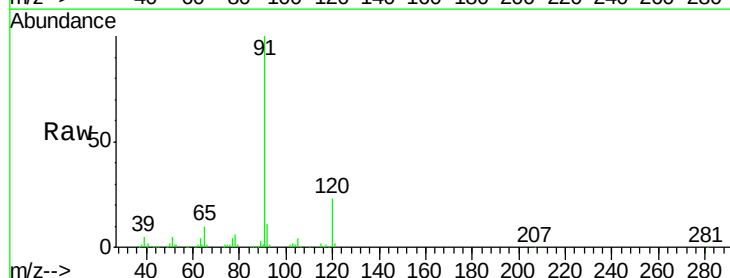
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059814.D

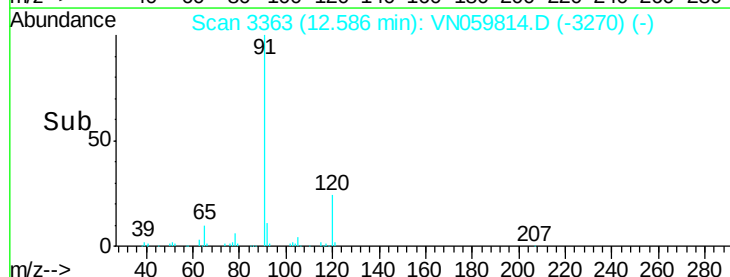
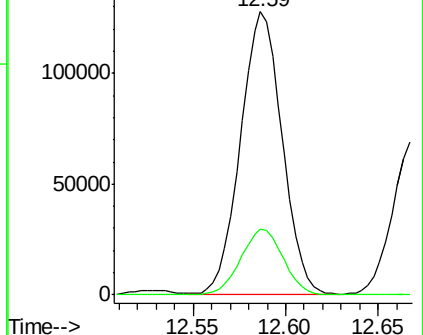
Acq: 21 Jan 2020 17:34

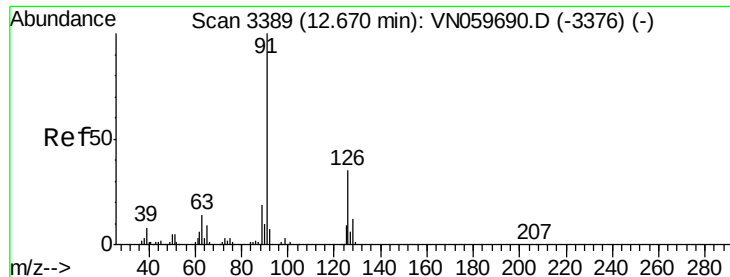
Tgt Ion:	91	Resp:	198795
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.335 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD03

Tot Ion: 91 Resp: 118368

Ion Ratio Lower Upper

91 100

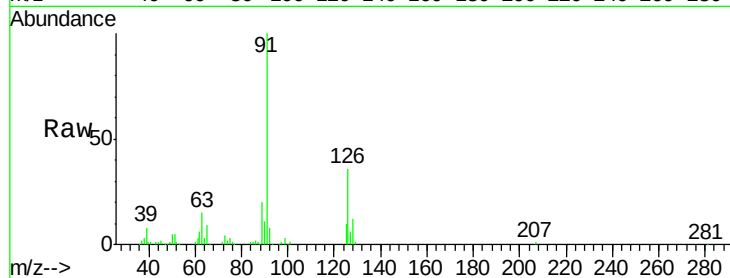
126 36.0 16.3 48.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059814.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN059814.D (-3296) (-)

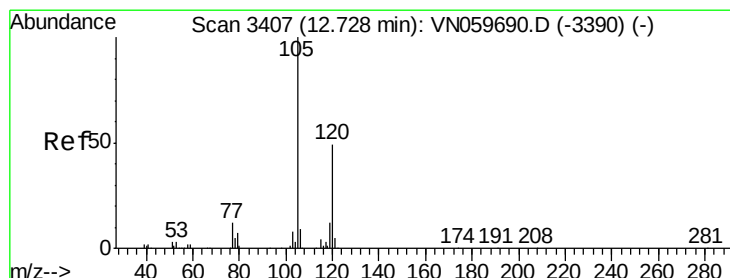
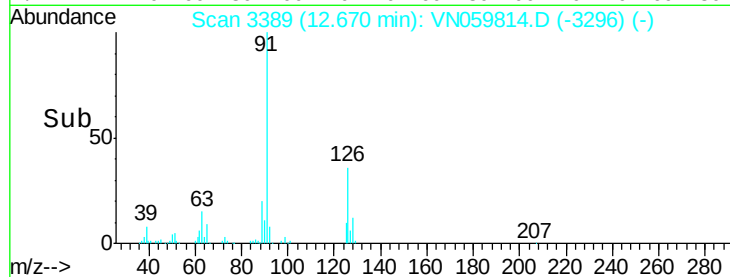
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.402 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059814.D

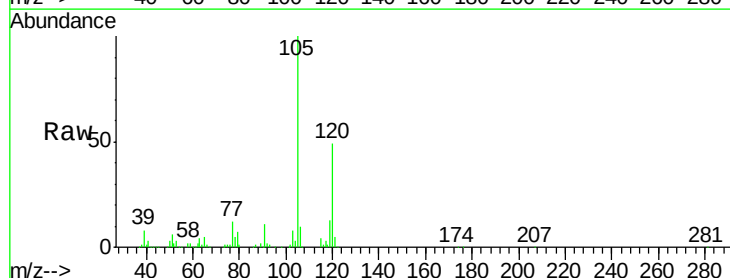
Acq: 21 Jan 2020 17:34

Tgt Ion: 105 Resp: 149598

Ion Ratio Lower Upper

105 100

120 49.3 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059814.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN059814.D (-3314) (-)

100000

80000

60000

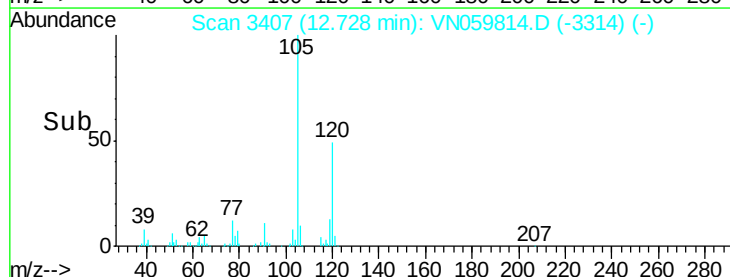
40000

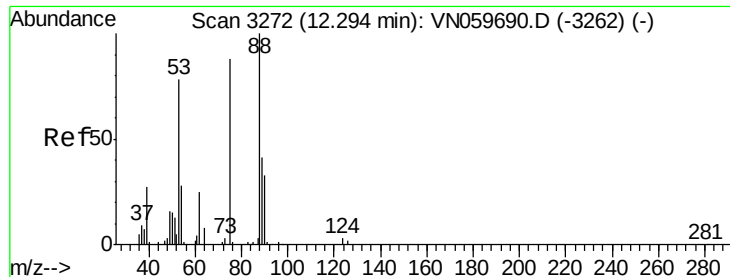
20000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.275 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS03

Tot Ion: 75 Resp: 18883

Ion Ratio Lower Upper

75 100

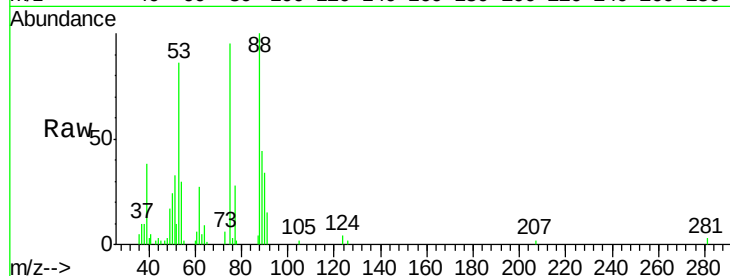
53 90.0 78.1 117.1

89 46.3 35.4 53.2

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Abundance Ion 74.90 (74.60 to 75.60): VN059814.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN059814.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN059814.D (-3179) (-)

12.29

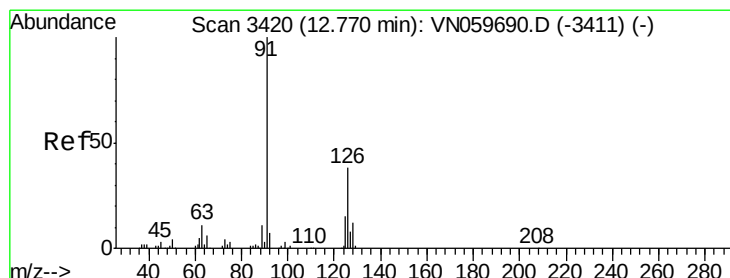
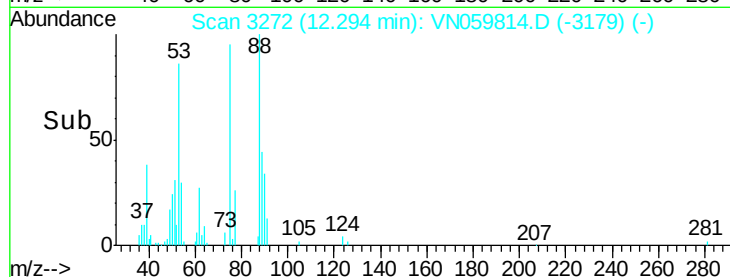
10000

5000

0

12.25 12.30 12.35

Time-->



#82

4-Chlorotoluene

Concen: 19.745 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059814.D

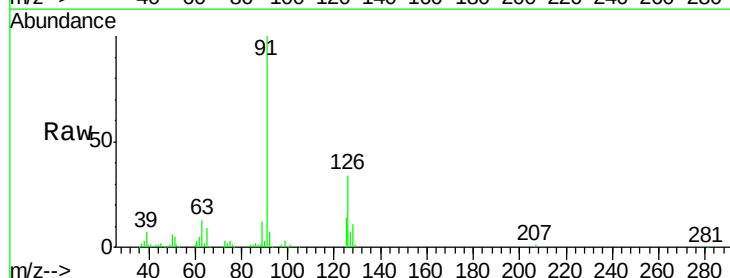
Acq: 21 Jan 2020 17:34

Tgt Ion: 91 Resp: 121240

Ion Ratio Lower Upper

91 100

126 34.4 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN059814.D (-3327) (-)

Ion 125.90 (125.60 to 126.60): VN059814.D (-3327) (-)

12.77

80000

60000

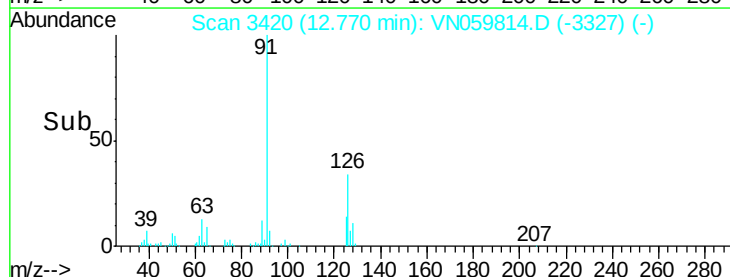
40000

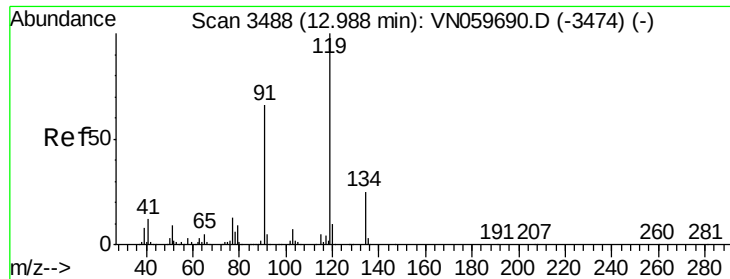
20000

0

12.75 12.80

Time-->





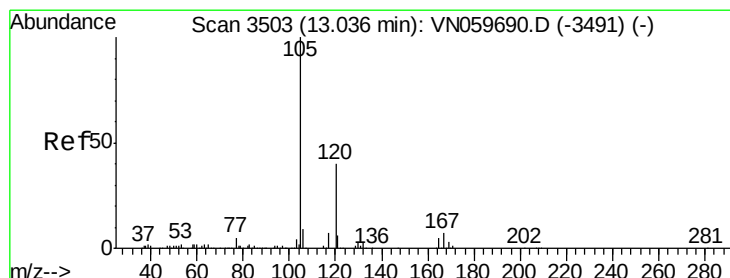
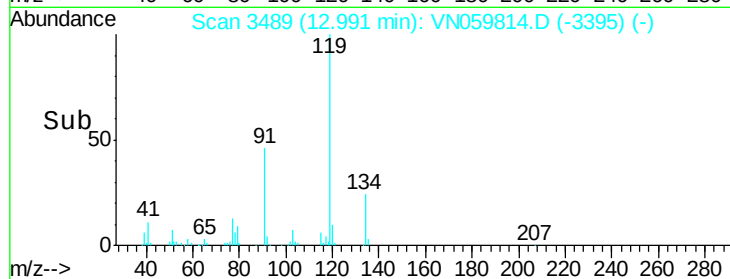
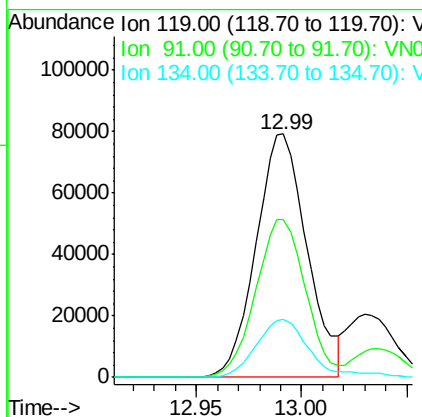
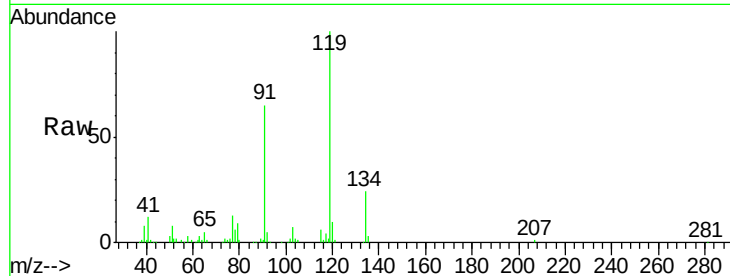
#83
 tert-Butylbenzene
 Concen: 19.982 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059814.D
 Acq: 21 Jan 2020 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD03

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	34.8	104.4
134	25.2	12.3	36.9

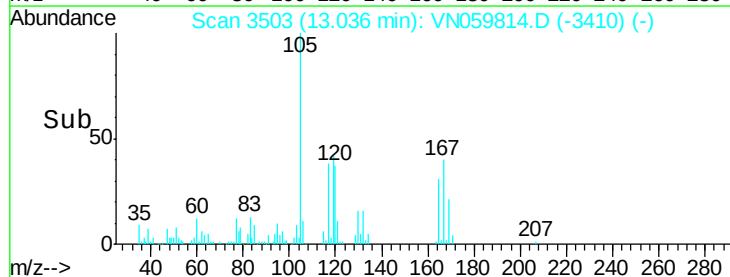
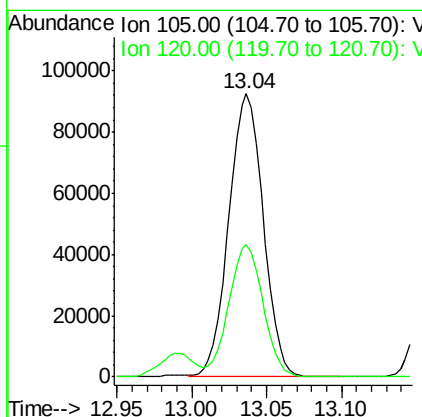
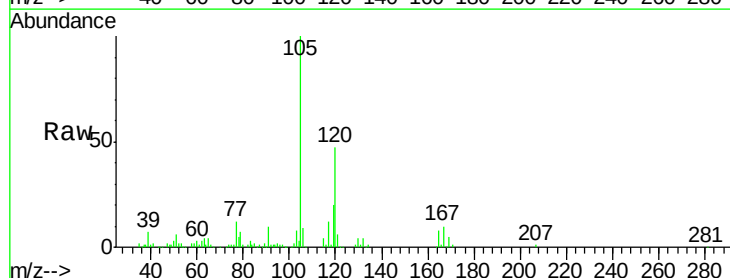
Manual Integrations
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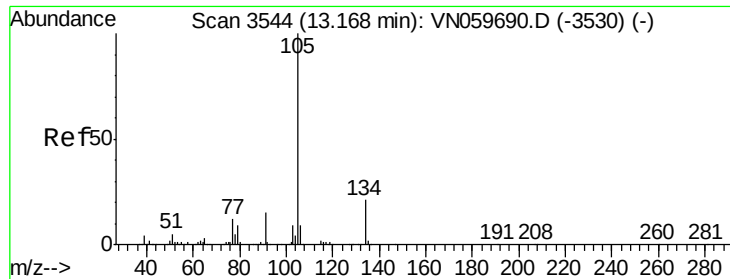
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.508 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059814.D
 Acq: 21 Jan 2020 17:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.3	66.9





#85

sec-Butylbenzene

Concen: 19.449 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD03

Tot Ion:105 Resp: 170408

Ion Ratio Lower Upper

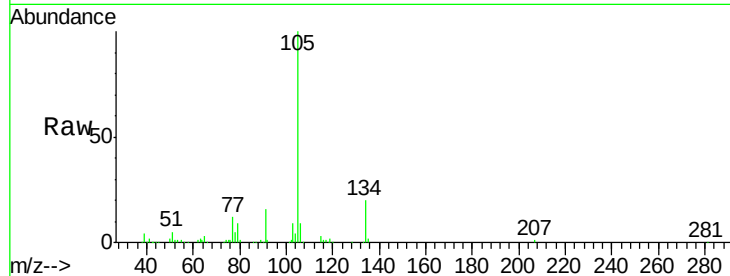
105 100

134 20.1 9.8 29.5

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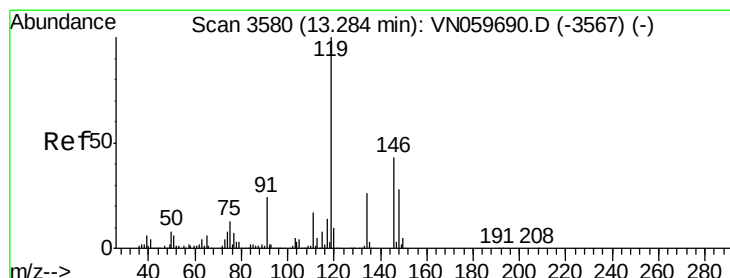
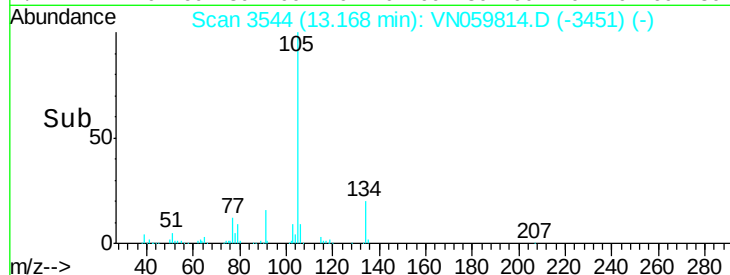
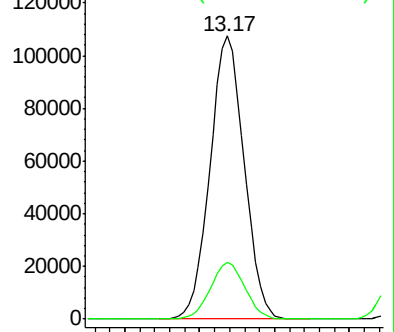
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.202 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

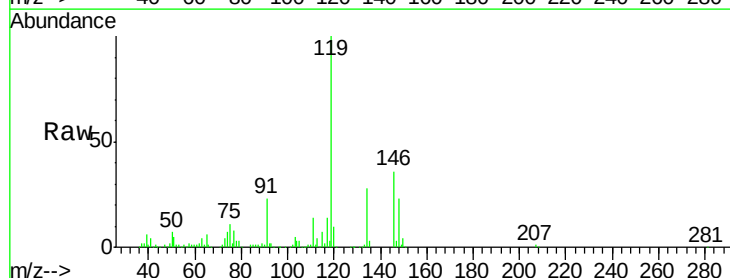
Tgt Ion:119 Resp: 155670

Ion Ratio Lower Upper

119 100

134 26.9 12.9 38.7

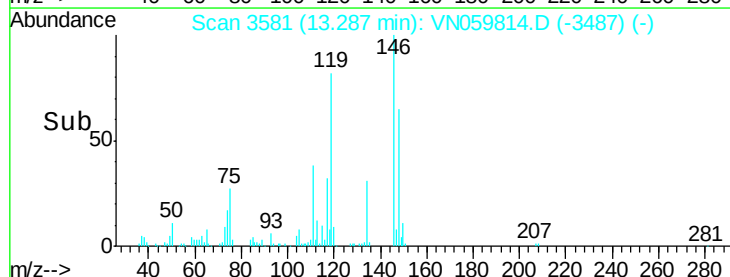
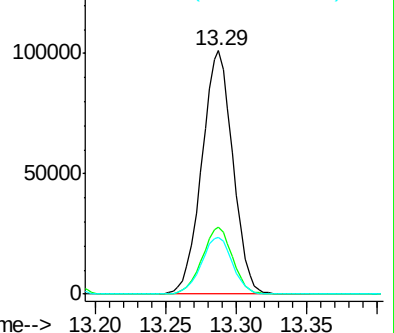
91 23.4 12.4 37.4

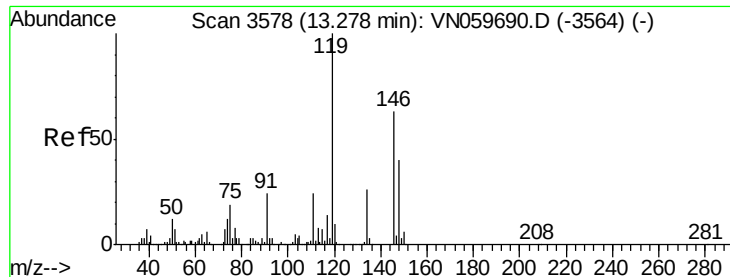


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.630 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059814.D

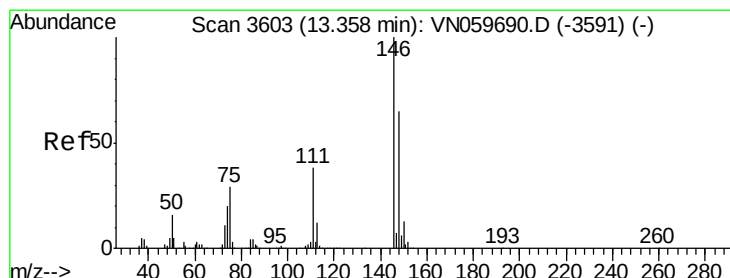
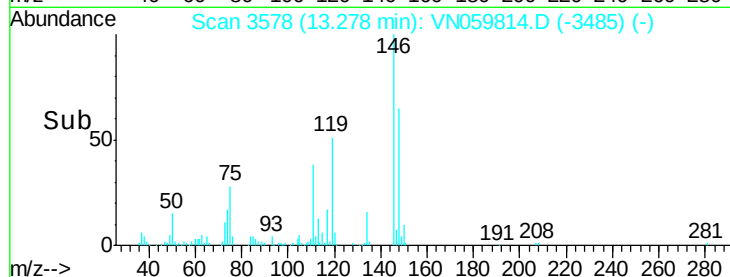
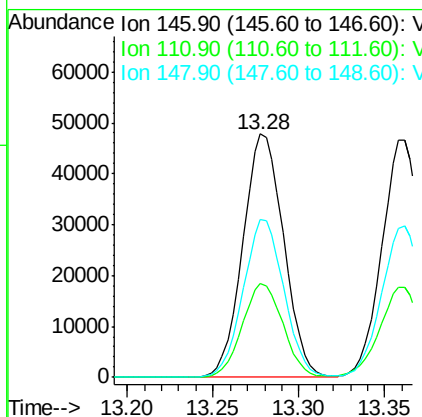
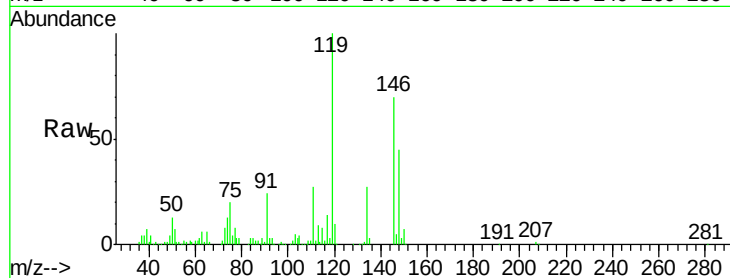
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD03

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.8	62.2
148	64.5	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.127 ug/l

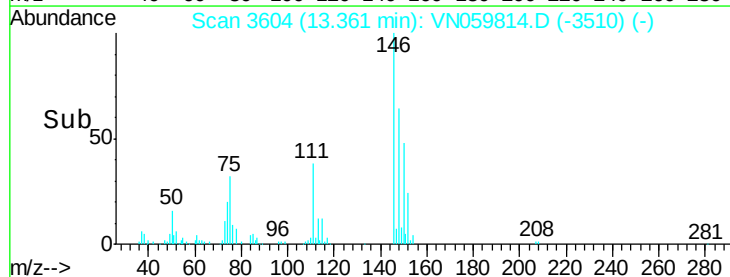
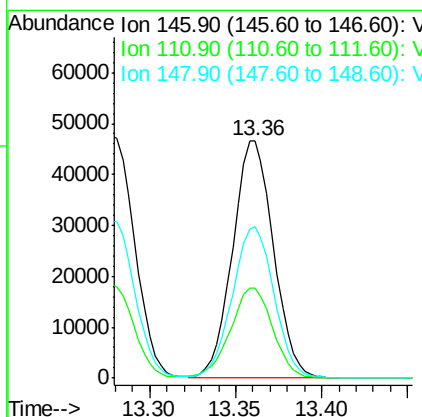
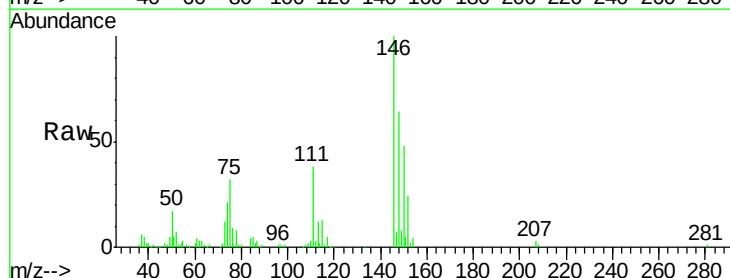
RT: 13.36 min Scan# 3604

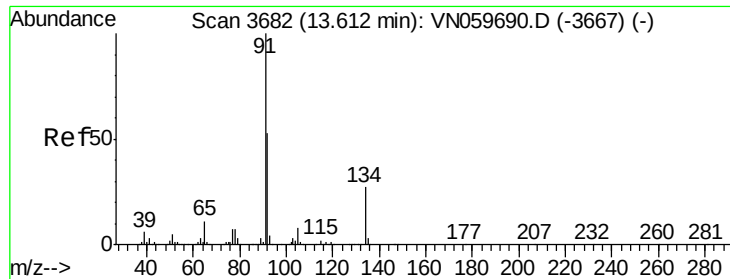
Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.8	62.2
148	65.1	31.8	95.4





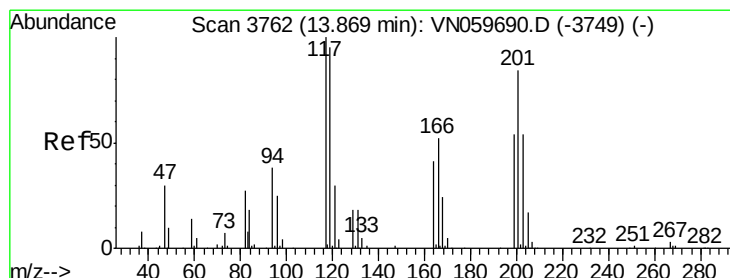
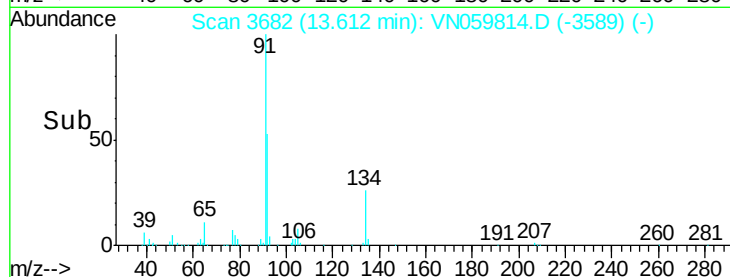
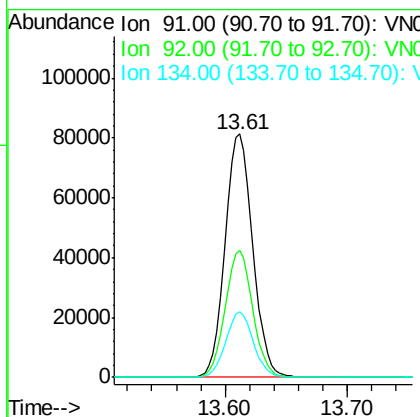
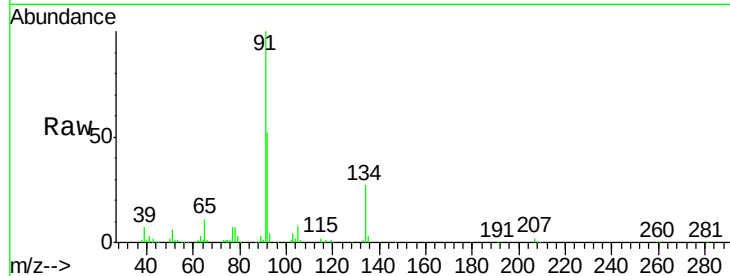
#89
n-Butylbenzene
Concen: 18.695 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD03

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.7
134	26.9	12.3	36.8

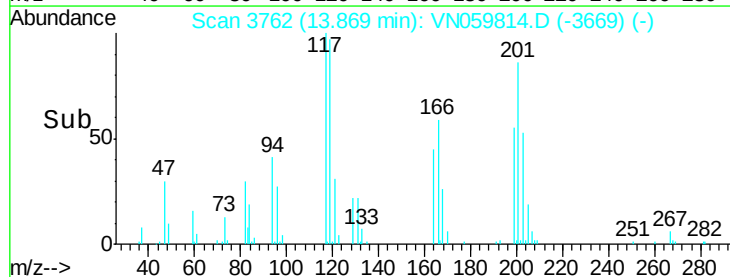
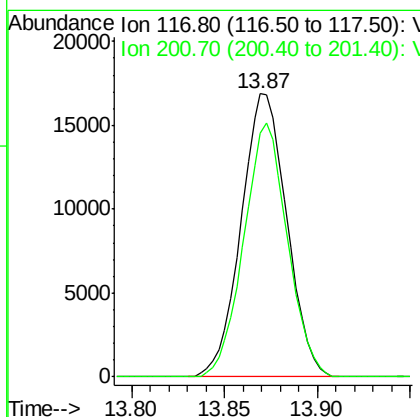
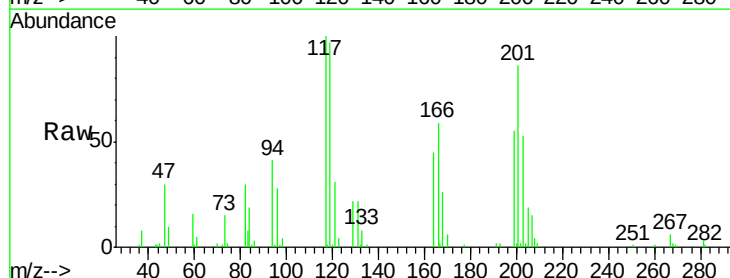
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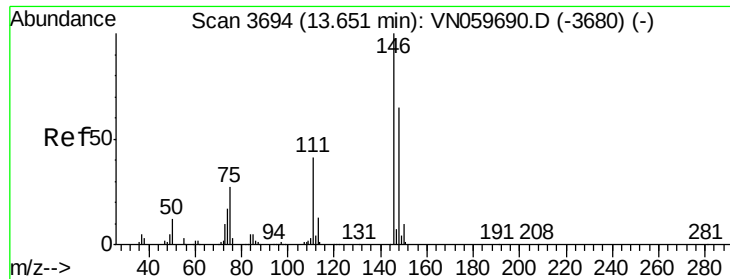
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#90
Hexachloroethane
Concen: 19.012 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059814.D
Acq: 21 Jan 2020 17:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.7	37.8	113.4





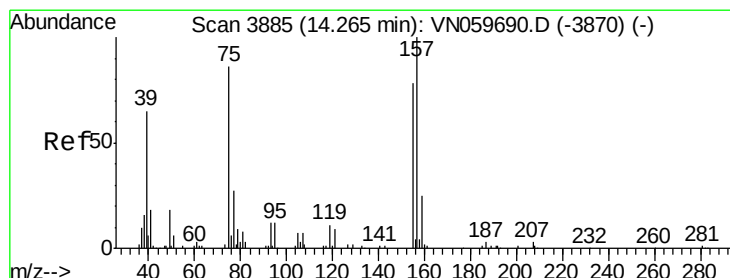
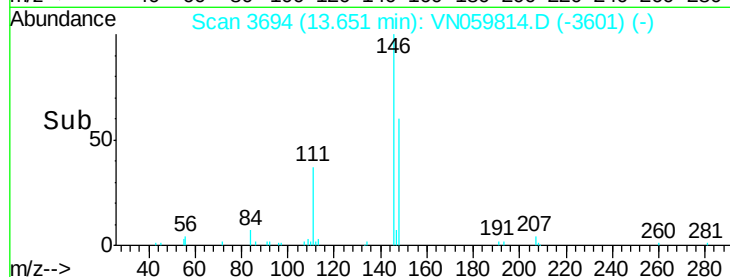
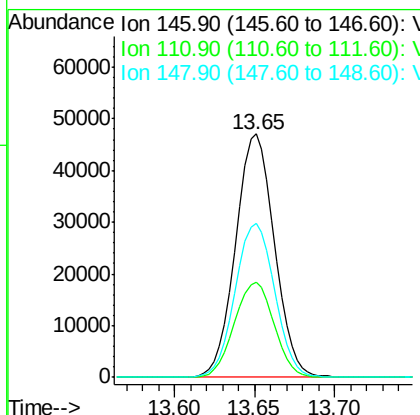
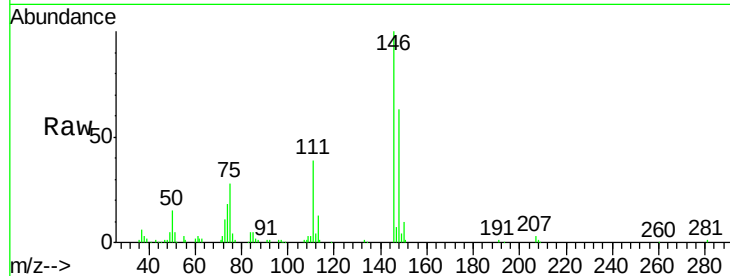
#91
 1,2-Dichlorobenzene
 Concen: 19.531 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059814.D
 Acq: 21 Jan 2020 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD03

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	21.6	64.8
148	64.6	31.6	95.0

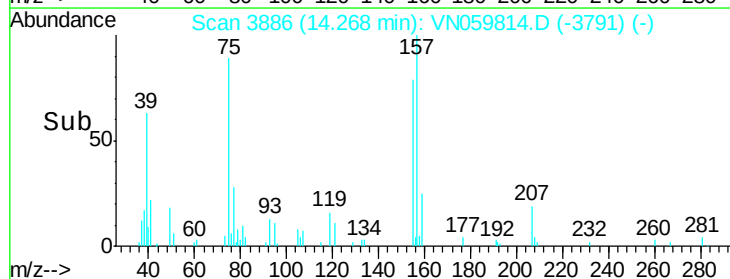
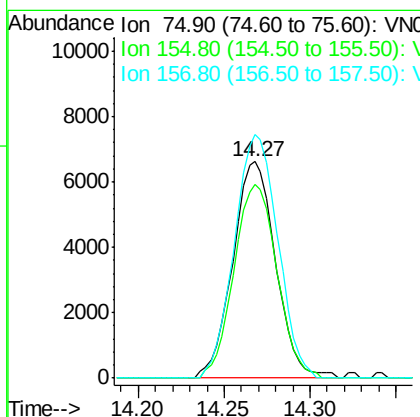
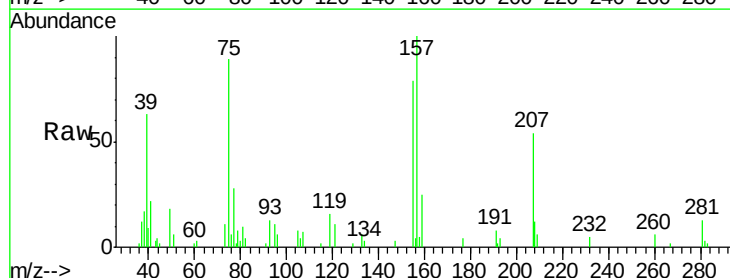
Manual Integrations
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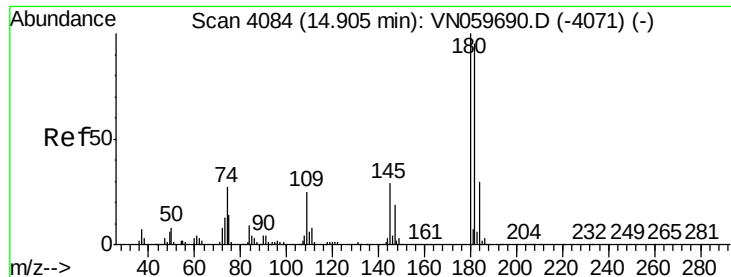
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.806 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059814.D
 Acq: 21 Jan 2020 17:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.5	37.0	110.9
157	113.8	48.4	145.2





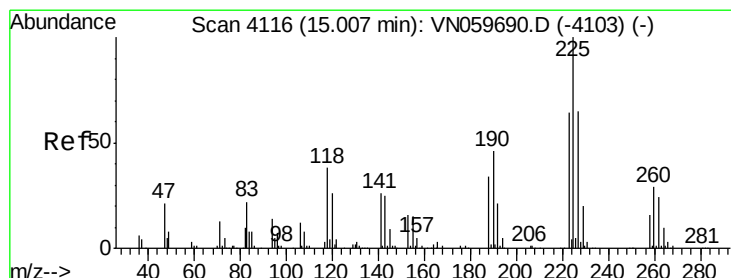
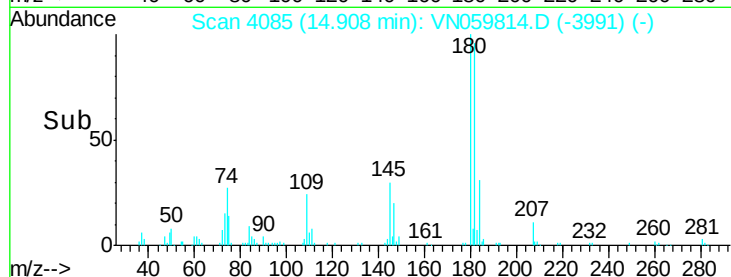
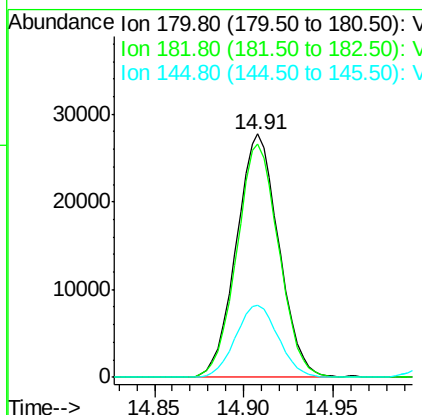
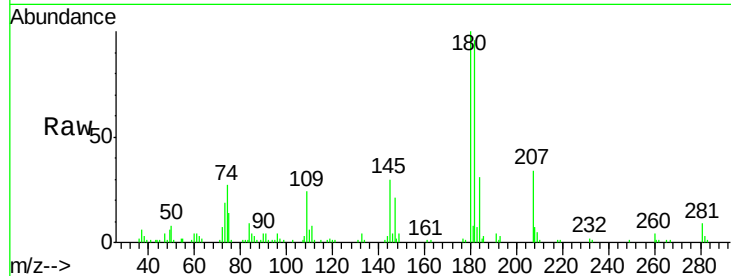
#93
 1,2,4-Trichlorobenzene
 Concen: 19.195 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059814.D
 Acq: 21 Jan 2020 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	45988		
182	95.0	46.9	140.7	
145	29.9	15.0	45.1	

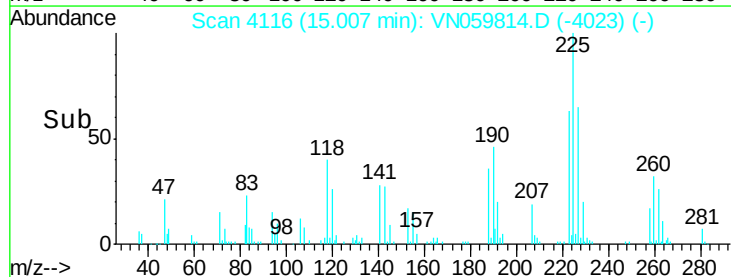
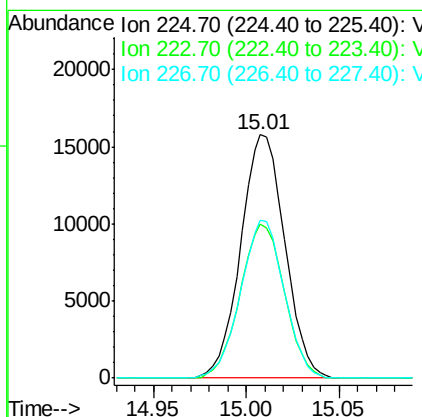
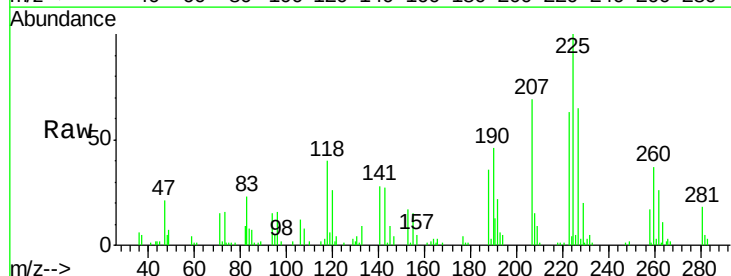
Manual Integrations
 APPROVED

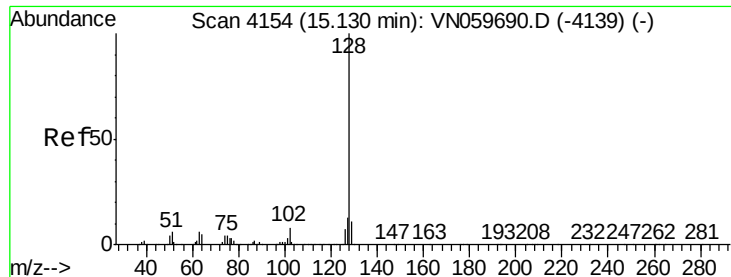
MMDadoda
 1/22/2020 11:15:15 AM



#94
 Hexachlorobutadiene
 Concen: 19.706 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059814.D
 Acq: 21 Jan 2020 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26016		
223	63.5	31.8	95.3	
227	64.0	32.1	96.5	





#95

Naphthalene

Concen: 18.490 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Instrument :

MSVOA_N

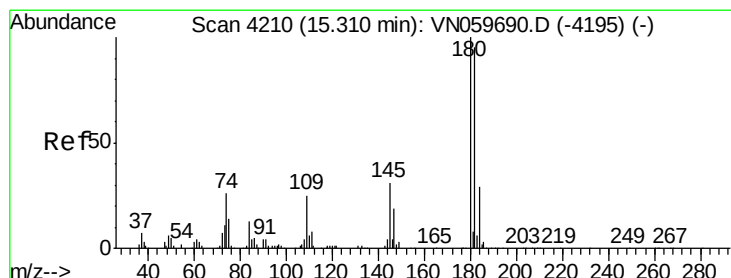
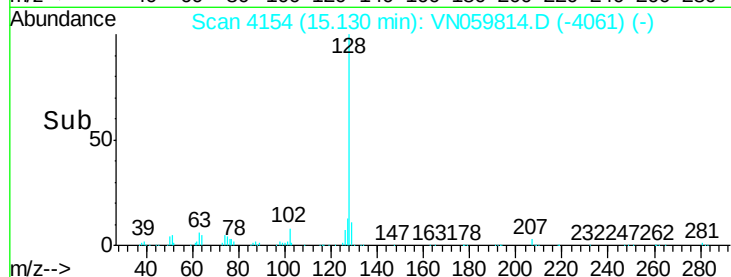
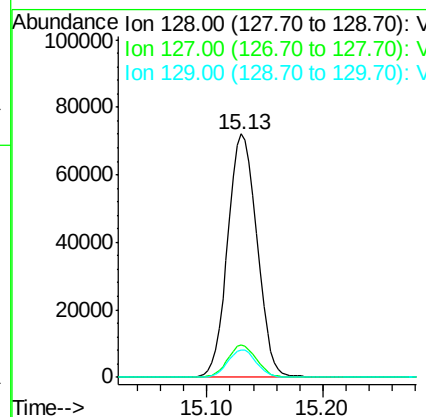
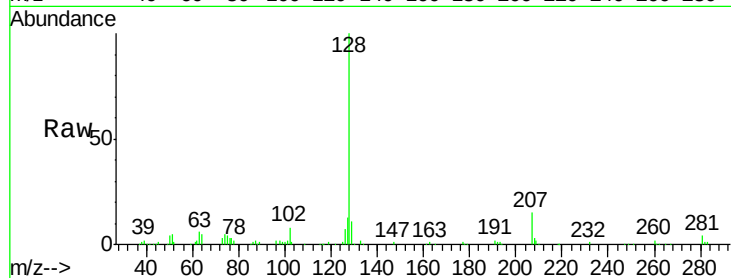
ClientSampleId :

VN0121MBSD03

Tot Ion:	128	Resp:	126004
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.0	8.6	12.8

Manual Integrations
APPROVED

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



#96

1,2,3-Trichlorobenzene

Concen: 19.587 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059814.D

Acq: 21 Jan 2020 17:34

Tgt Ion:	180	Resp:	45677
Ion Ratio	Lower	Upper	
180	100		
182	92.7	47.4	142.3
145	31.9	16.3	48.9

