

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091420\
 Data File : VN063345.D
 Acq On : 14 Sep 2020 16:07
 Operator : JC/MD
 Sample : VN0914WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/15/2020 12:15:34 PM

Quant Time: Sep 15 07:53:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 11 06:02:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	443691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	801188	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	727862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	319530	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	331969	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
35) Dibromofluoromethane	7.55	113	243367	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
50) Toluene-d8	10.06	98	938340	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	
62) 4-Bromofluorobenzene	12.38	95	336373	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	71386	16.753	ug/l	98
3) Chloromethane	2.04	50	109748	18.113	ug/l	99
4) Vinyl Chloride	2.16	62	111234	18.451	ug/l	98
5) Bromomethane	2.54	94	75153	17.867	ug/l	100
6) Chloroethane	2.68	64	71528	18.137	ug/l	97
7) Trichlorofluoromethane	2.99	101	164715	17.668	ug/l	97
8) Diethyl Ether	3.38	74	59742	17.972	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	83648	17.173	ug/l	97
10) Methyl Iodide	3.91	142	113390	17.959	ug/l	99
11) Tert butyl alcohol	4.72	59	88905	96.462	ug/l #	92
12) 1,1-Dichloroethene	3.70	96	85825	17.652	ug/l	99
13) Acrolein	3.57	56	50820	120.474	ug/l	97
14) Allyl chloride	4.28	41	162006	16.231	ug/l	98
15) Acrylonitrile	4.93	53	237225	94.139	ug/l	100
16) Acetone	3.78	43	206017	85.587	ug/l	99
17) Carbon Disulfide	4.01	76	244920	17.336	ug/l	97
18) Methyl Acetate	4.28	43	114832	18.977	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	311200	17.912	ug/l	99
20) Methylene Chloride	4.51	84	104755	18.307	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	95491	17.550	ug/l	94
22) Diisopropyl ether	5.90	45	347890	17.711	ug/l	92
23) Vinyl Acetate	5.84	43	1443224	93.346	ug/l	99
24) 1,1-Dichloroethane	5.79	63	190686	17.926	ug/l	99
25) 2-Butanone	6.78	43	324579	91.283	ug/l	100
26) 2,2-Dichloropropane	6.78	77	149604	16.046	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	111616	17.602	ug/l	96
28) Bromochloromethane	7.15	49	90400	17.526	ug/l	97
29) Tetrahydrofuran	7.17	42	215949	93.271	ug/l	98
30) Chloroform	7.33	83	188216	17.672	ug/l	99
31) Cyclohexane	7.61	56	168519	17.236	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	159645	17.195	ug/l	99
36) 1,1-Dichloropropene	7.75	75	139402	16.927	ug/l	100
37) Ethyl Acetate	6.88	43	138730	17.123	ug/l	100
38) Carbon Tetrachloride	7.73	117	142568	17.590	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	143175	15.936	ug/l	98
40) Benzene	8.00	78	415087	17.647	ug/l	100
41) Methacrylonitrile	7.14	41	72097m	19.673	ug/l	
42) 1,2-Dichloroethane	8.08	62	155416	17.415	ug/l	98
43) Isopropyl Acetate	8.13	43	243651	17.758	ug/l #	90
44) Trichloroethene	8.80	130	105121	17.089	ug/l	97
45) 1,2-Dichloropropane	9.08	63	113919	17.657	ug/l	100
46) Dibromomethane	9.18	93	73397	17.543	ug/l	99
47) Bromodichloromethane	9.37	83	153750	17.634	ug/l	97
48) Methyl methacrylate	9.17	41	115510	17.644	ug/l	100
49) 1,4-Dioxane	9.17	88	35481	350.036	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	724385	95.800	ug/l	98
52) Toluene	10.13	92	250701	17.457	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	159101	16.734	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	173037	16.903	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	97590	17.342	ug/l	97
56) Ethyl methacrylate	10.40	69	153135	17.895	ug/l	99
57) 1,3-Dichloropropane	10.68	76	174246	17.720	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	392672	85.545	ug/l	100
59) 2-Hexanone	10.72	43	519443	93.146	ug/l	99
60) Dibromochloromethane	10.87	129	106715	17.269	ug/l	97
61) 1,2-Dibromoethane	10.98	107	104343	17.786	ug/l	99
64) Tetrachloroethene	10.60	164	108258	18.156	ug/l	95
65) Chlorobenzene	11.41	112	268509	17.136	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	95776	16.776	ug/l	98
67) Ethyl Benzene	11.49	91	487976	17.347	ug/l	100
68) m/p-Xylenes	11.60	106	352758	33.901	ug/l	99
69) o-Xylene	11.92	106	169605	16.984	ug/l	98
70) Styrene	11.94	104	280975	16.929	ug/l	99
71) Bromoform	12.10	173	66589	16.863	ug/l #	98
73) Isopropylbenzene	12.23	105	452729	17.566	ug/l	100
74) N-amyl acetate	12.05	43	192099	18.155	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	133963	18.149	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	130136m	18.461	ug/l	
77) Bromobenzene	12.50	156	104193	17.587	ug/l	98
78) n-propylbenzene	12.57	91	525970	17.964	ug/l	100
79) 2-Chlorotoluene	12.65	91	314995	17.497	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	385686	18.022	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	47187	17.985	ug/l	97
82) 4-Chlorotoluene	12.75	91	328200	17.391	ug/l	99
83) tert-Butylbenzene	12.97	119	307662	16.951	ug/l	96
84) 1,2,4-Trimethylbenzene	13.02	105	392054	18.175	ug/l	99
85) sec-Butylbenzene	13.15	105	417405	18.076	ug/l	99
86) p-Isopropyltoluene	13.26	119	373488	17.643	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	187568	17.318	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	185779	17.271	ug/l	97
89) n-Butylbenzene	13.59	91	323254	16.916	ug/l	99
90) Hexachloroethane	13.85	117	61619	17.696	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	189062	17.662	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	28693	17.094	ug/l	98

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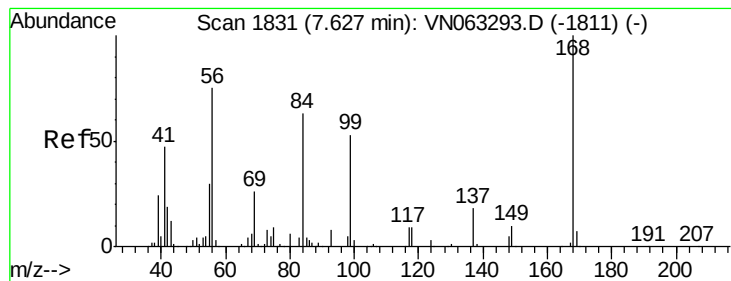
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	100009	15.961	ug/l	99
94) Hexachlorobutadiene	14.98	225	38701	16.279	ug/l	99
95) Naphthalene	15.10	128	313557	16.292	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	96972	16.684	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion:168 Resp: 443691

Ion Ratio Lower Upper

168 100

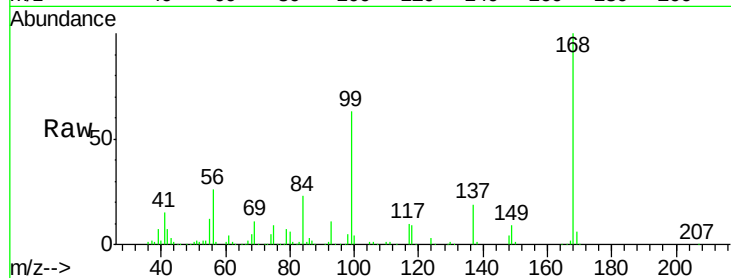
99 62.6 51.1 76.7

Manual Integrations

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9/15/2020 12:15:34 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

200000

150000

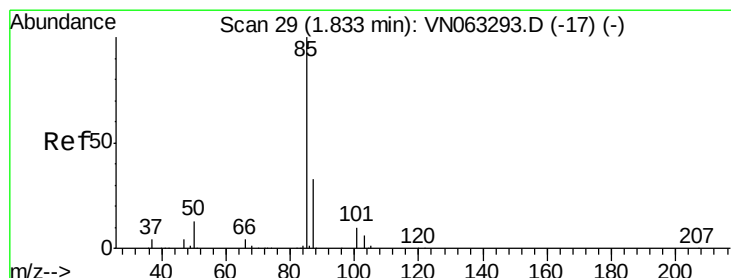
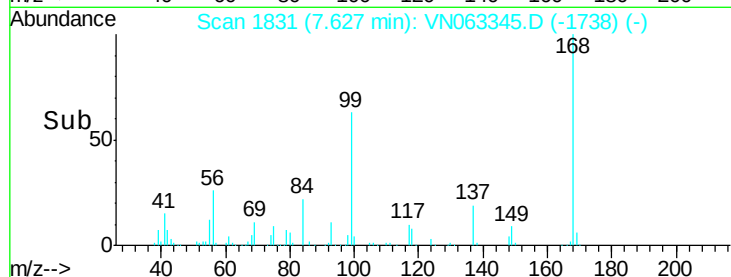
100000

50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.753 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN063345.D

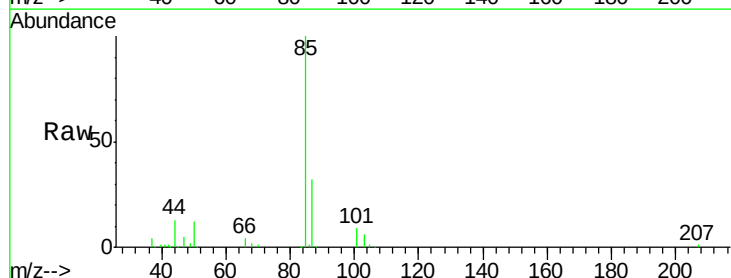
Acq: 14 Sep 2020 16:07

Tgt Ion: 85 Resp: 71386

Ion Ratio Lower Upper

85 100

87 31.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

30000

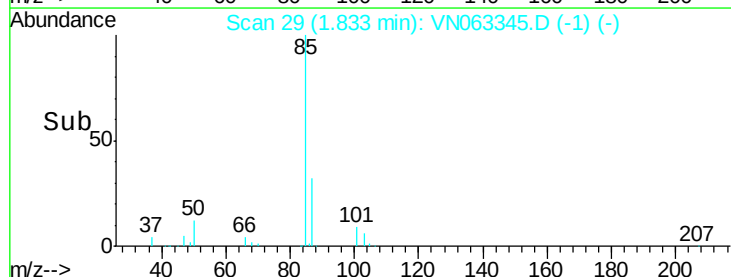
20000

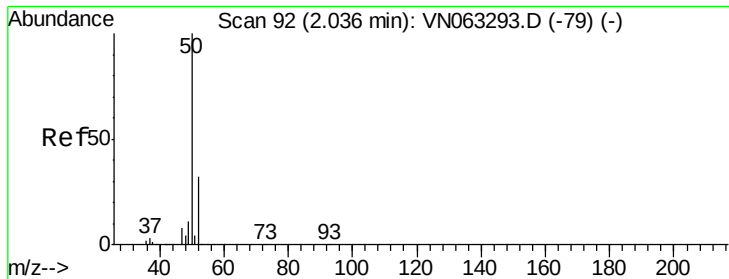
10000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.113 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion: 50 Resp: 109748

Ion Ratio Lower Upper

50 100

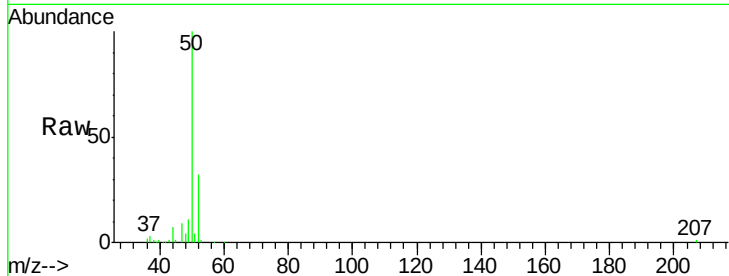
52 32.1 25.4 38.2

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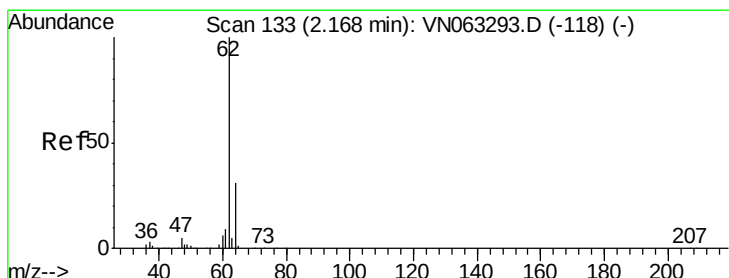
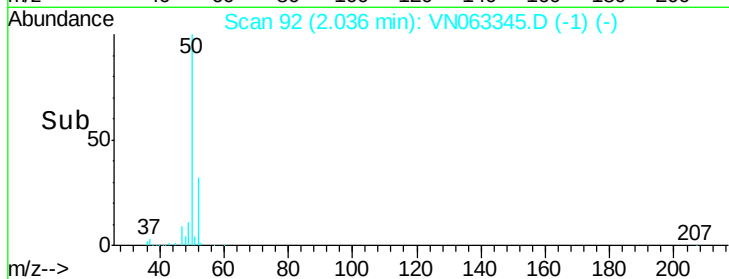
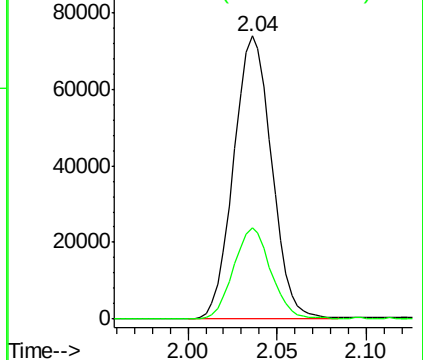
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.451 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063345.D

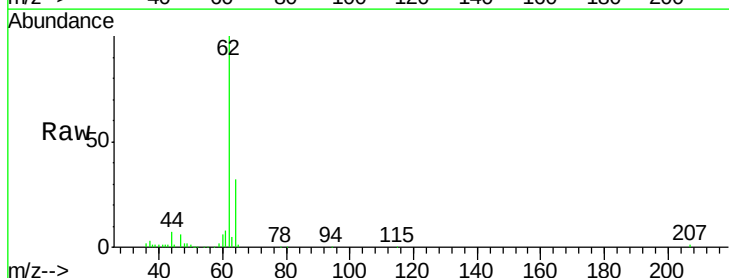
Acq: 14 Sep 2020 16:07

Tgt Ion: 62 Resp: 111234

Ion Ratio Lower Upper

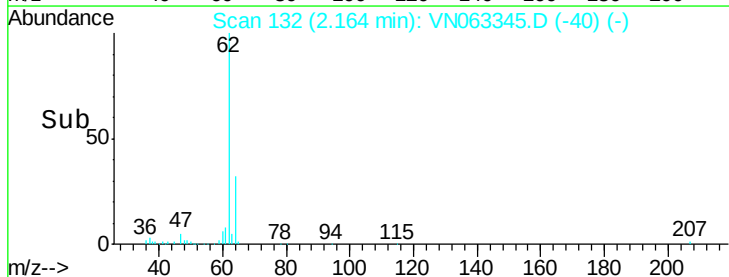
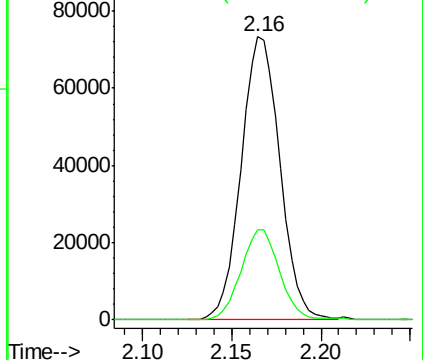
62 100

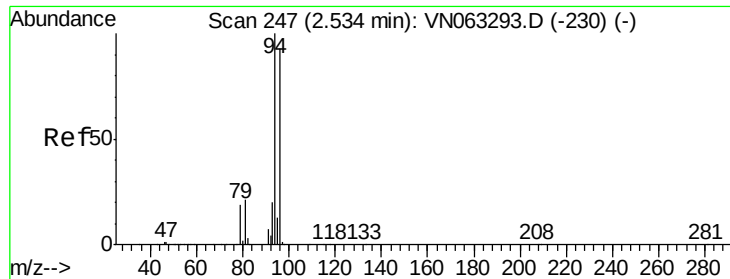
64 31.9 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 17.867 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion: 94 Resp: 75153

Ion Ratio Lower Upper

94 100

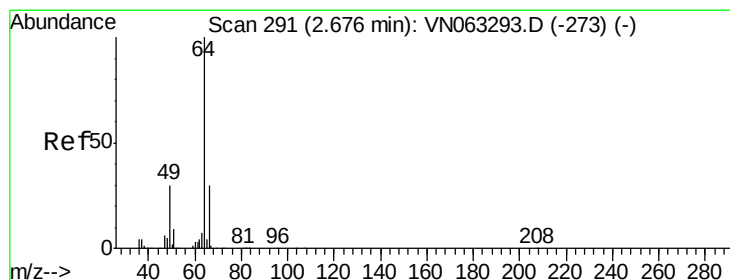
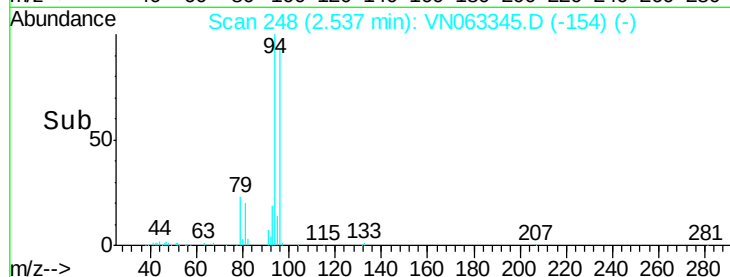
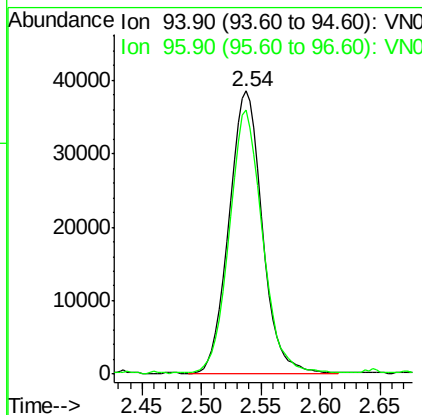
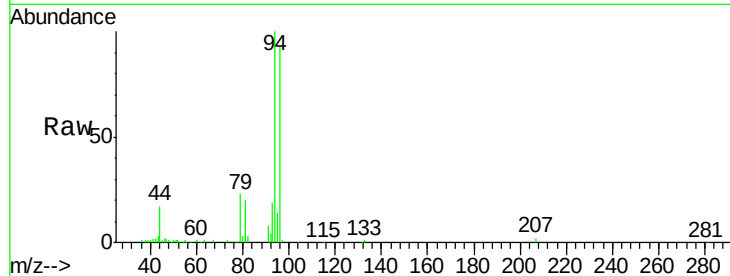
96 92.6 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 18.137 ug/l

RT: 2.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN063345.D

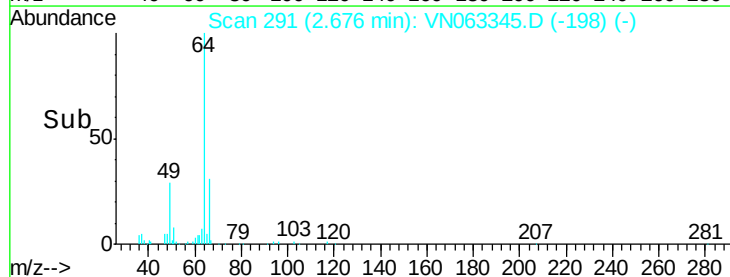
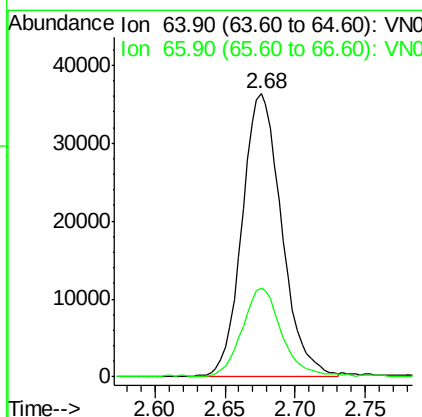
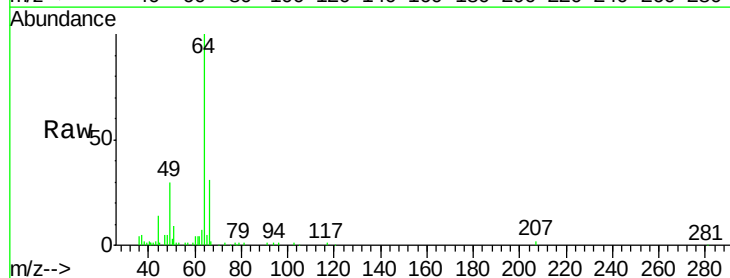
Acq: 14 Sep 2020 16:07

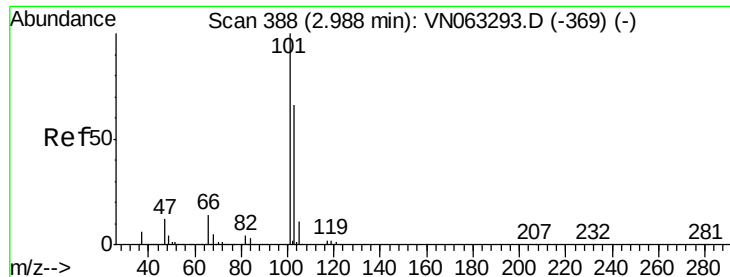
Tgt Ion: 64 Resp: 71528

Ion Ratio Lower Upper

64 100

66 31.2 23.8 35.6





#7

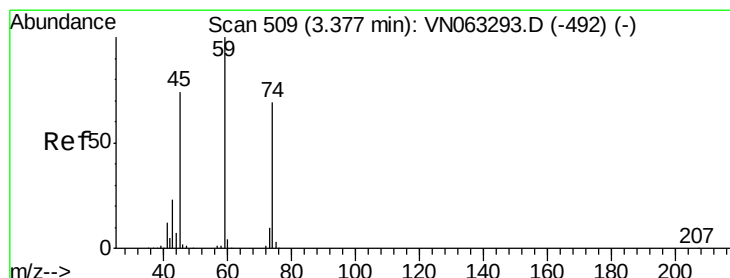
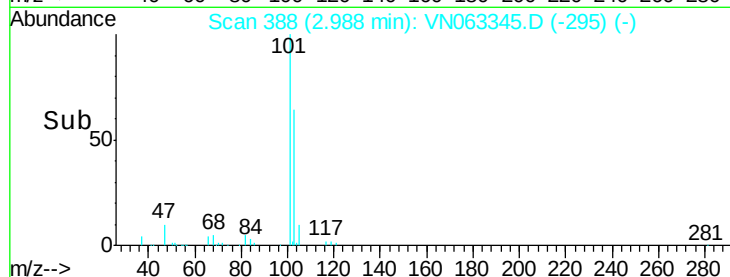
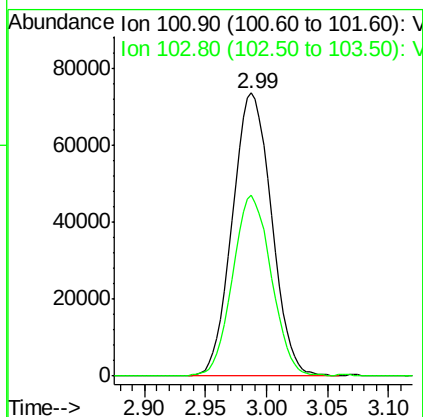
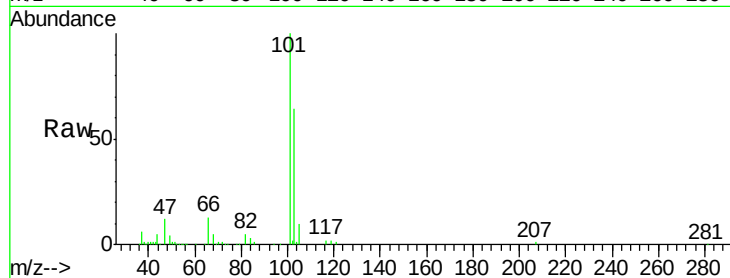
Trichlorofluoromethane
 Concen: 17.668 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

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 VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	164715		
103	63.5	52.4	78.6	

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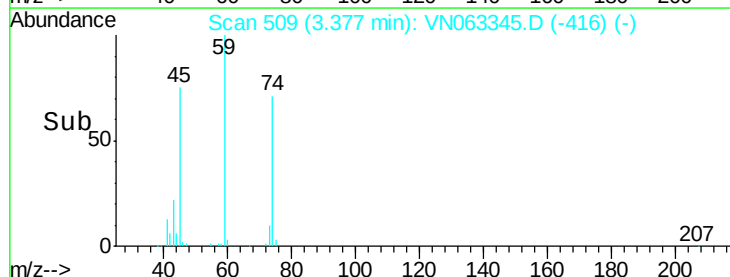
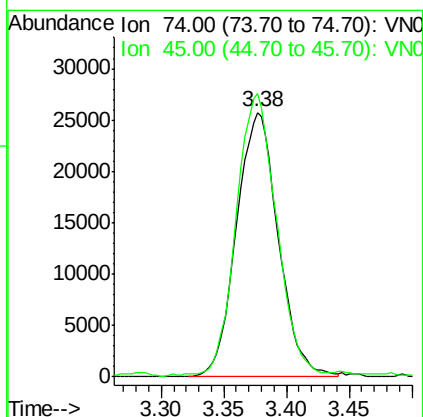
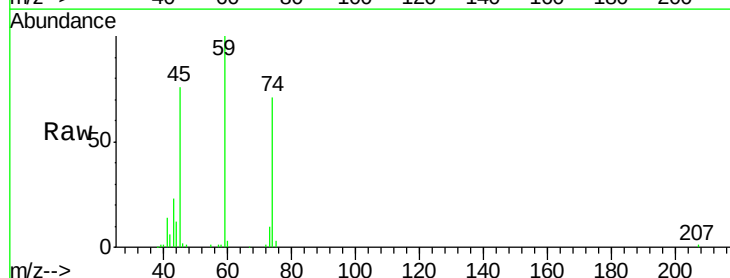
MMDadoda
 9/15/2020 12:15:34 PM

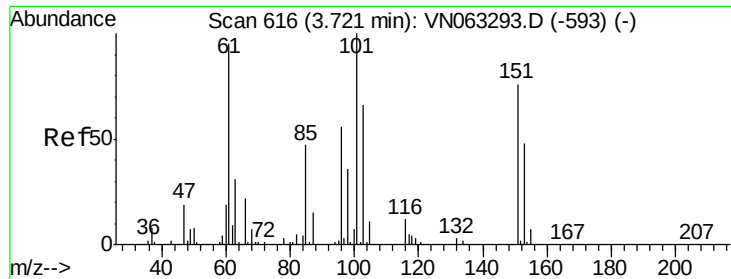


#8

Diethyl Ether
 Concen: 17.972 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	59742		
45	101.5	52.7	158.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.173 ug/l

RT: 3.72 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

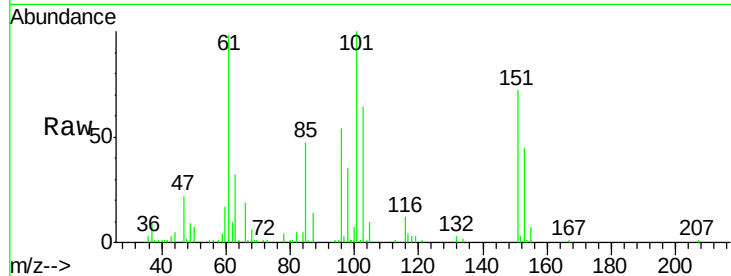
ClientSampleId :

VN0914WBSD01

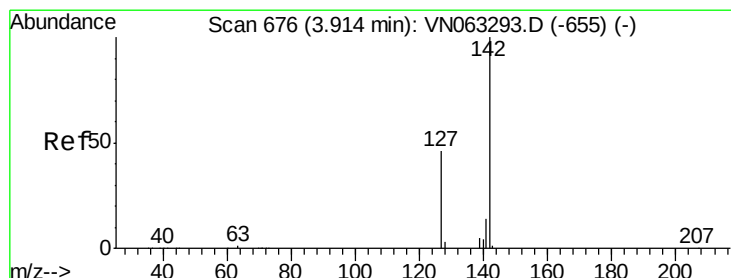
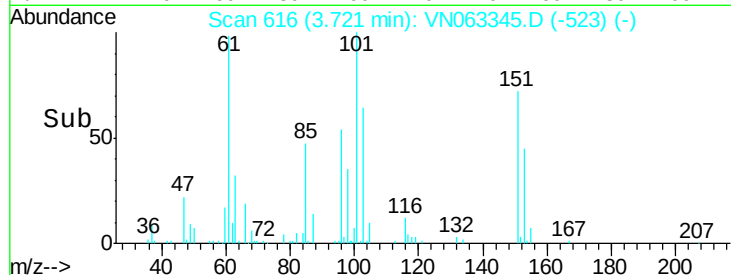
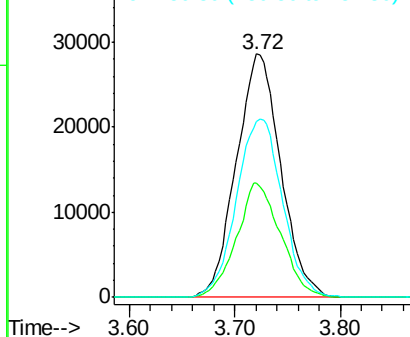
Tot Ion:	101	Resp:	83648
Ion Ratio	Lower	Upper	
101	100		
85	46.6	36.9	55.3
151	75.9	57.8	86.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.959 ug/l

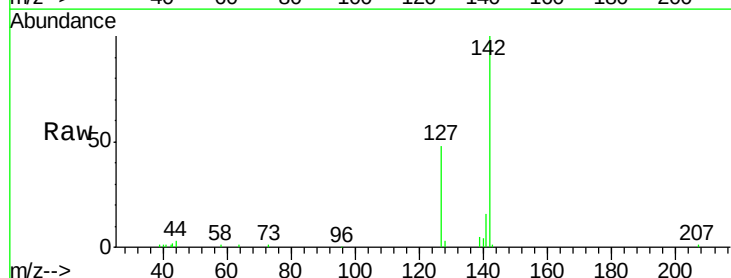
RT: 3.91 min Scan# 676

Delta R.T. -0.00 min

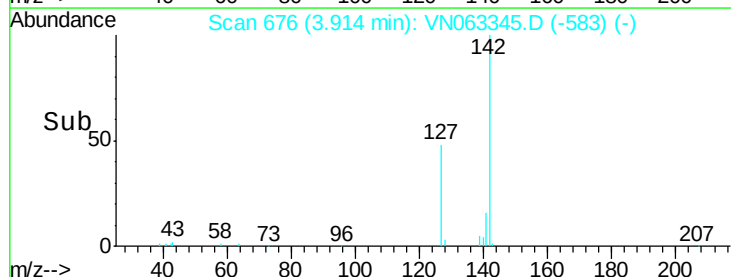
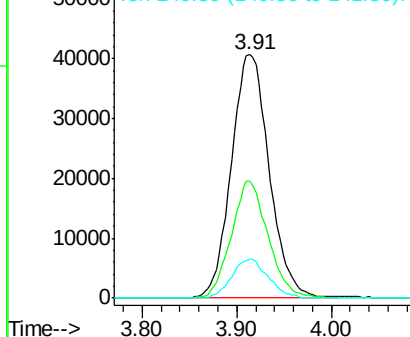
Lab File: VN063345.D

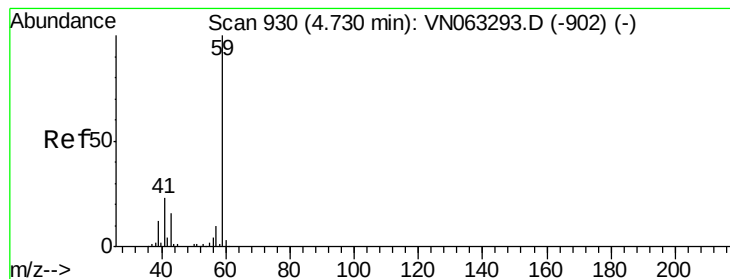
Acq: 14 Sep 2020 16:07

Tgt Ion:	142	Resp:	113390
Ion Ratio	Lower	Upper	
142	100		
127	46.4	37.1	55.7
141	15.3	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

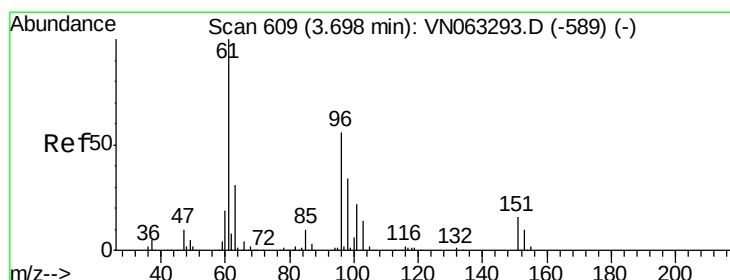
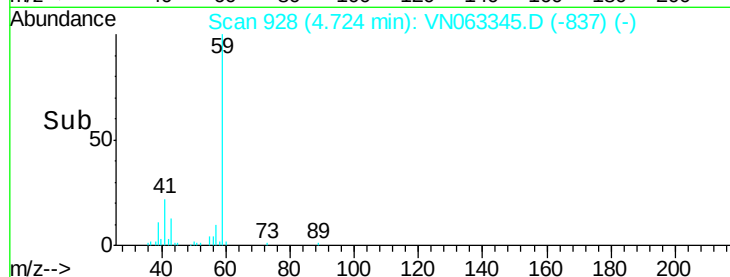
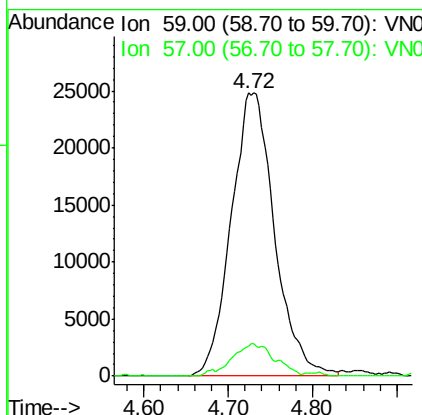
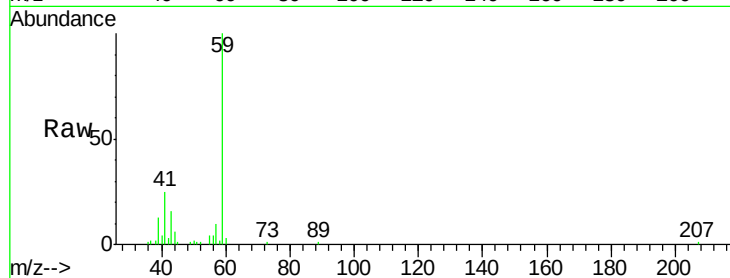
Tert butyl alcohol
Concen: 96.462 ug/l
RT: 4.72 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.2	8.3	12.5#

Manual Integrations
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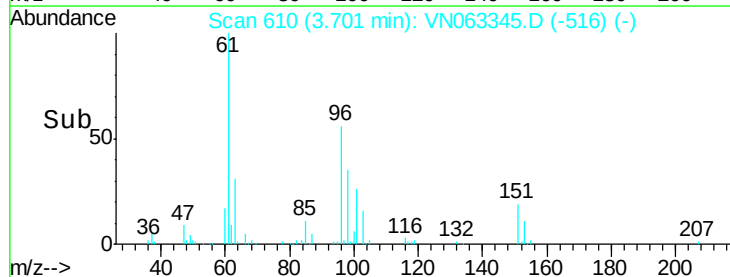
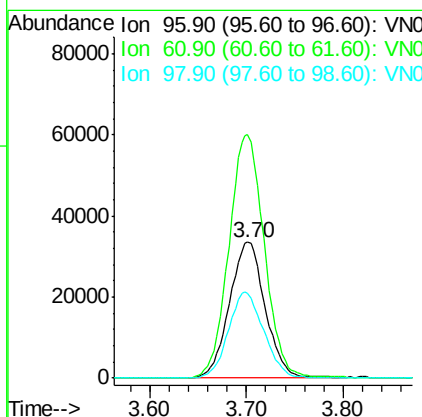
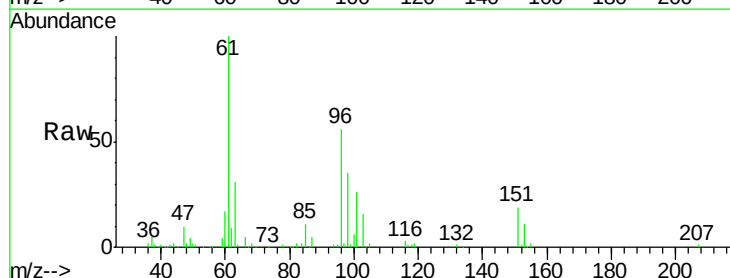
MMDadoda
9/15/2020 12:15:34 PM

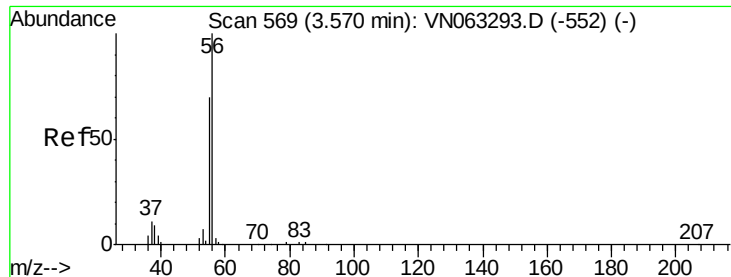


#12

1,1-Dichloroethene
Concen: 17.652 ug/l
RT: 3.70 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.0	142.1	213.1
98	62.6	48.8	73.2





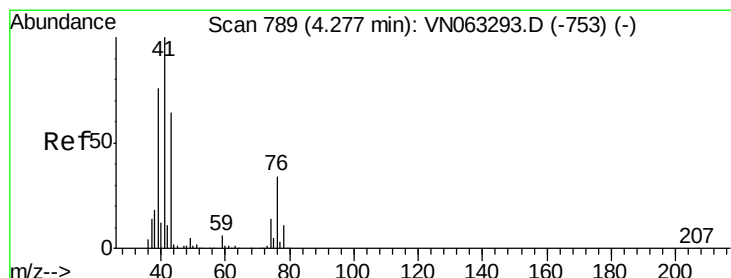
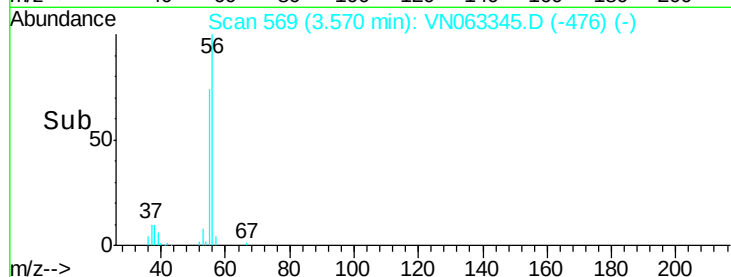
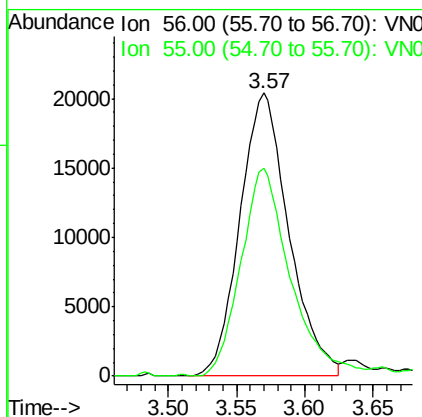
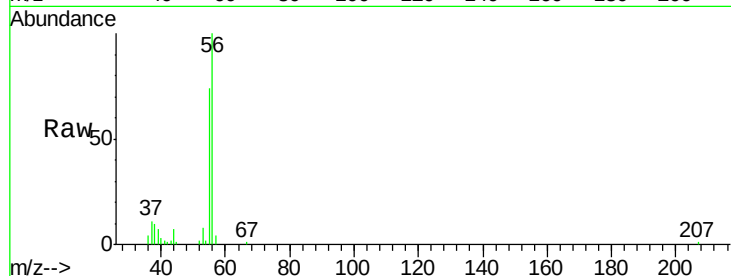
#13
 Acrolein
 Concen: 120.474 ug/l
 RT: 3.57 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	56	100	50820		
55	55	74.3		57.2	85.8

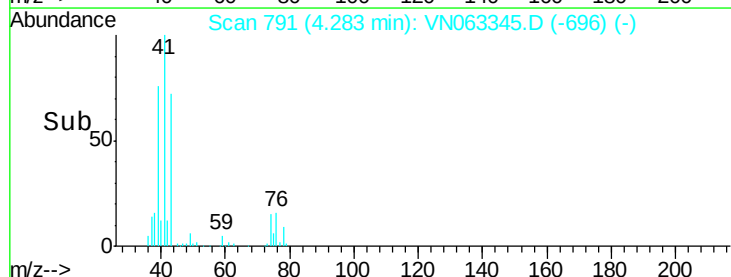
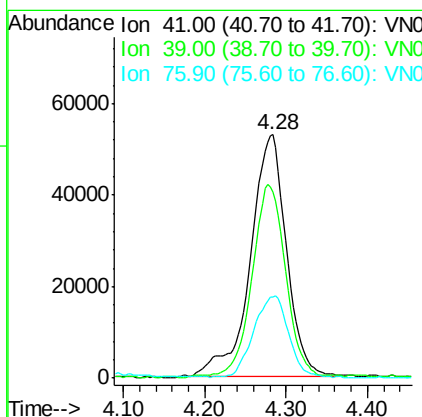
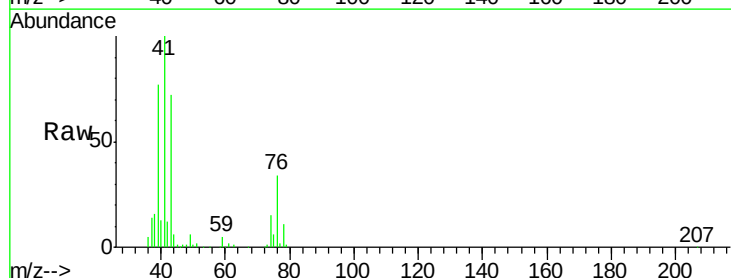
Manual Integrations
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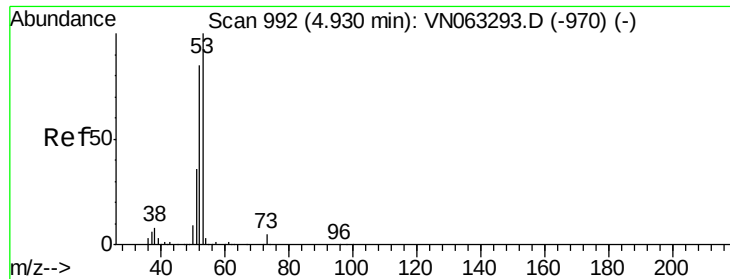
MMDadoda
 9/15/2020 12:15:34 PM



#14
 Allyl chloride
 Concen: 16.231 ug/l
 RT: 4.28 min Scan# 791
 Delta R.T. 0.01 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	162006		
39	39	74.3		57.4	86.2
76	76	32.1		25.7	38.5





#15

Acrylonitrile

Concen: 94.139 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

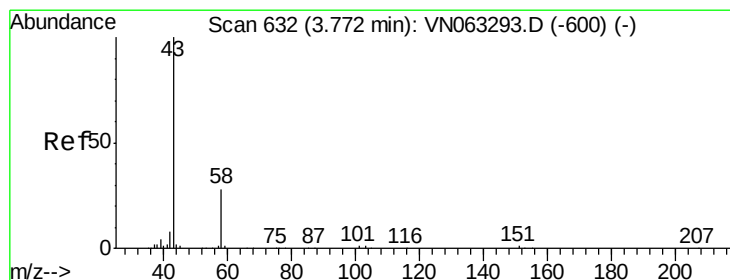
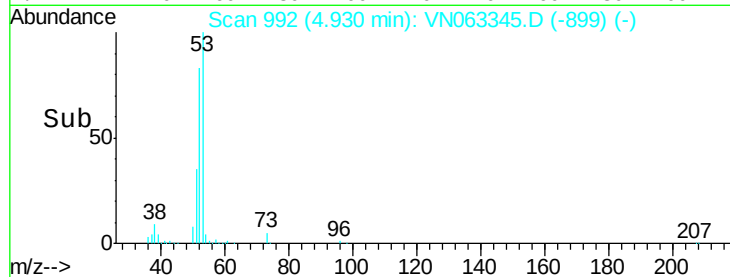
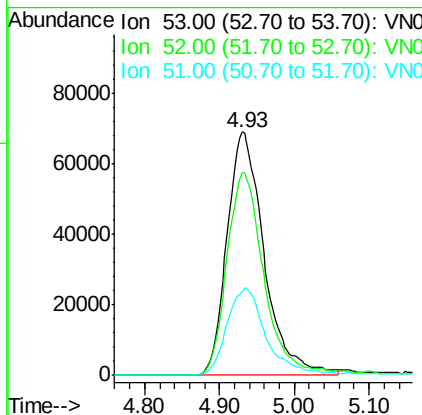
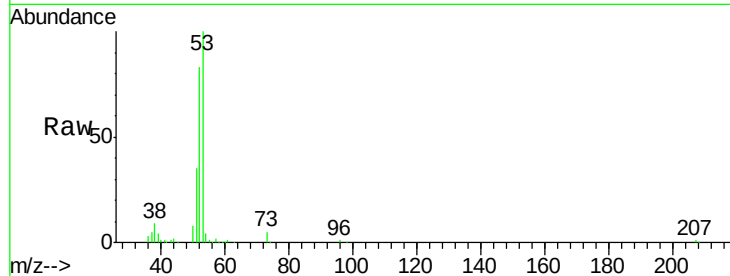
ClientSampleId :

VN0914WBSD01

Tot Ion:	53	Resp:	237225
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.5	99.7
51	37.5	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 85.587 ug/l

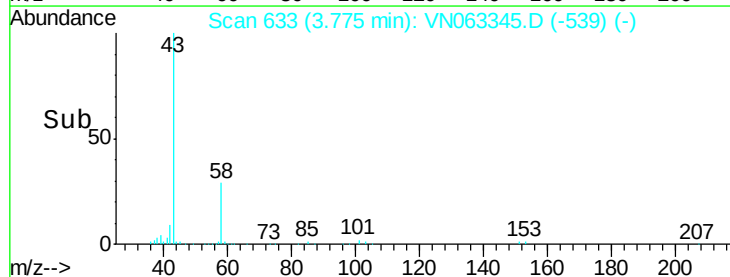
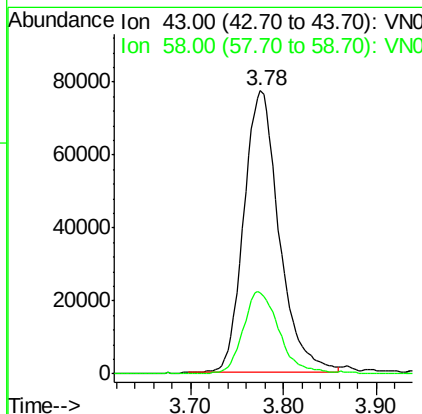
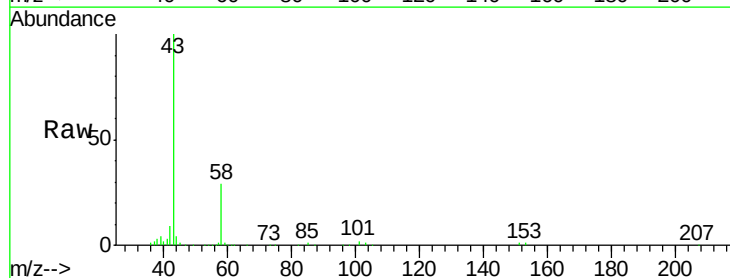
RT: 3.78 min Scan# 633

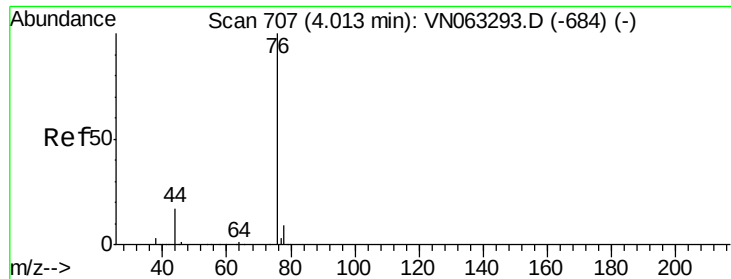
Delta R.T. 0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Tgt Ion:	43	Resp:	206017
Ion Ratio	Lower	Upper	
43	100		
58	28.6	22.6	34.0





#17

Carbon Disulfide

Concen: 17.336 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion: 76 Resp: 244920

Ion Ratio Lower Upper

76 100

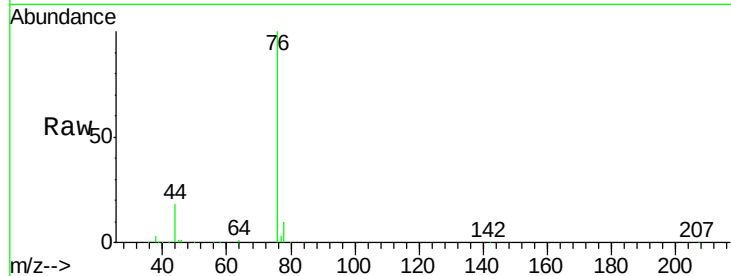
78 10.1 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

100000

80000

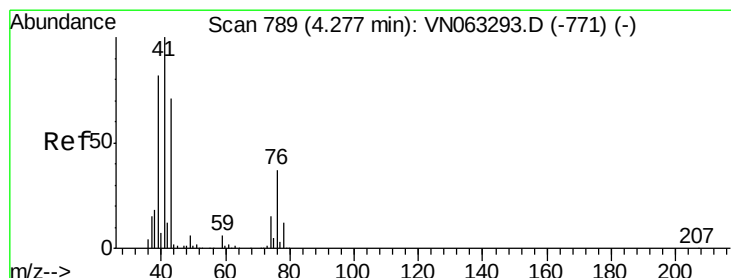
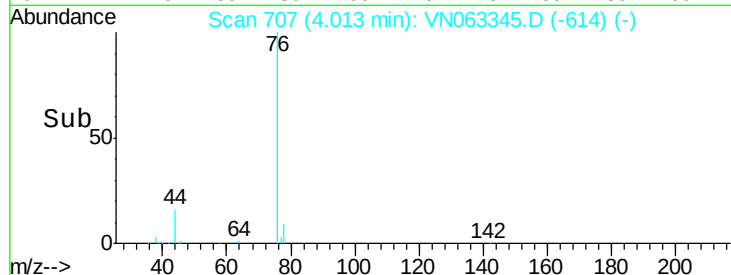
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 18.977 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN063345.D

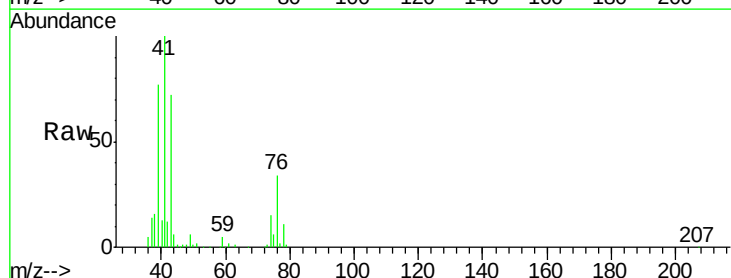
Acq: 14 Sep 2020 16:07

Tgt Ion: 43 Resp: 114832

Ion Ratio Lower Upper

43 100

74 20.5 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

40000

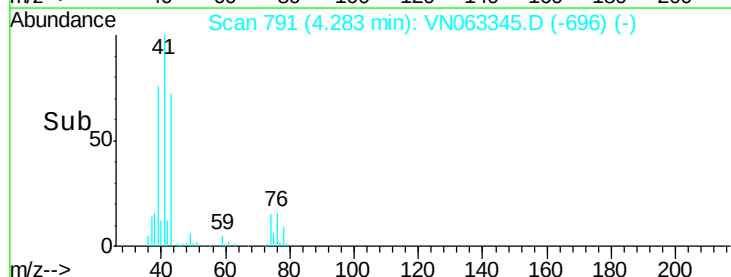
30000

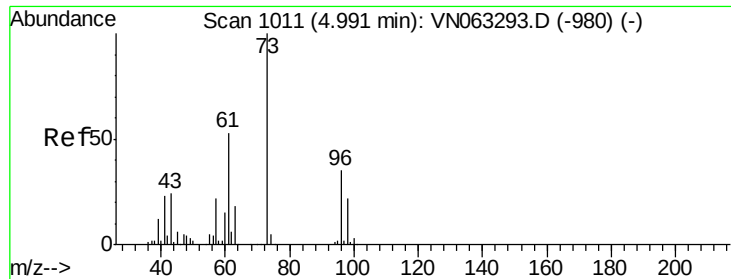
20000

10000

0

Time-->





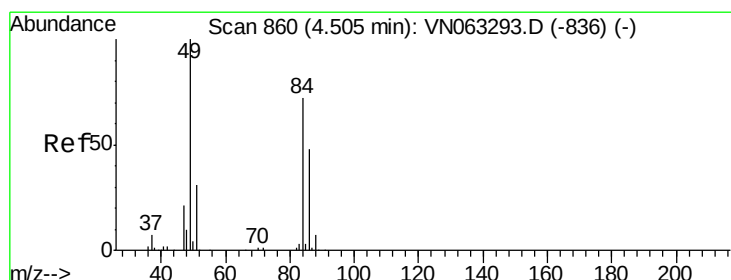
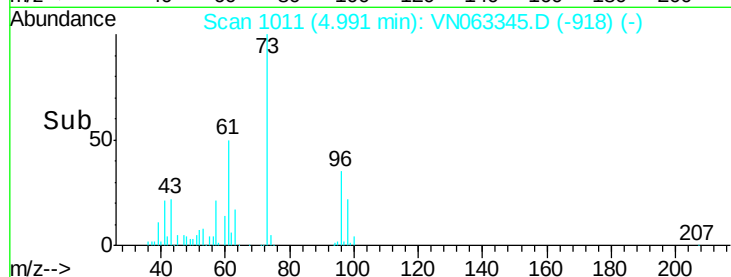
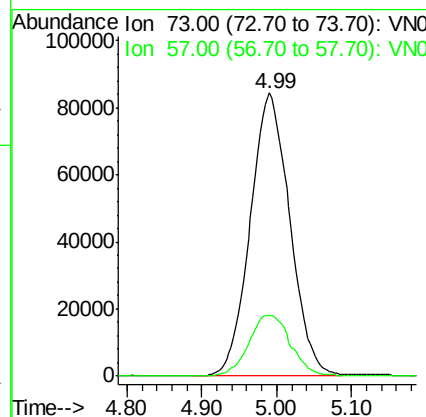
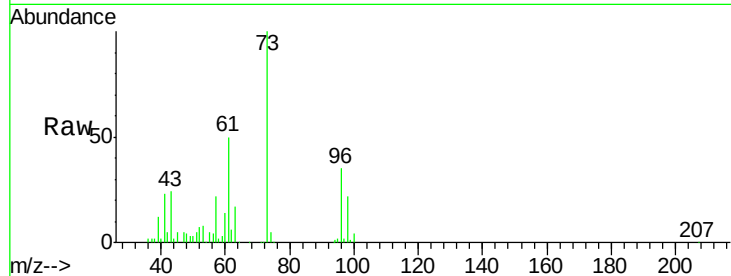
#19
Methvl tert-butvl Ether
Concen: 17.912 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion: 73 Resp: 311200
Ion Ratio Lower Upper
73 100
57 21.6 17.5 26.3

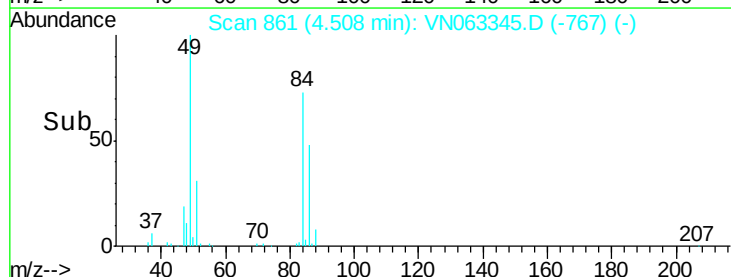
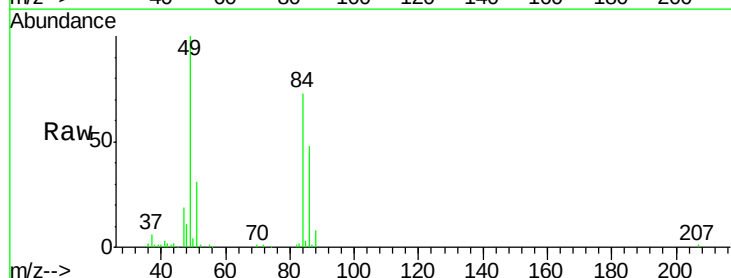
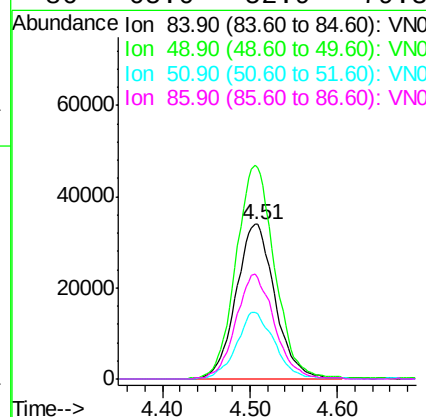
Manual Integrations
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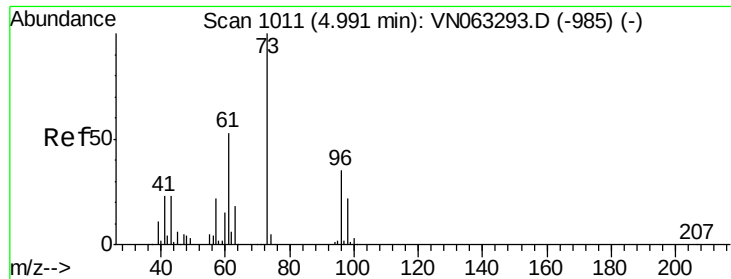
MMDadoda
9/15/2020 12:15:34 PM



#20
Methylene Chloride
Concen: 18.307 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion: 84 Resp: 104755
Ion Ratio Lower Upper
84 100
49 136.1 111.1 166.7
51 42.0 34.3 51.5
86 65.0 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 17.550 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

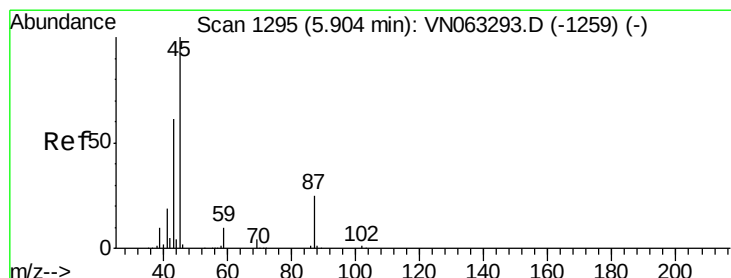
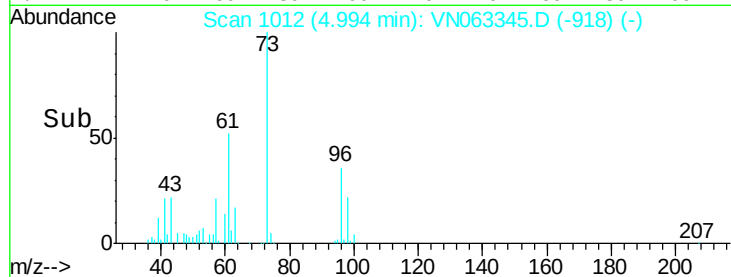
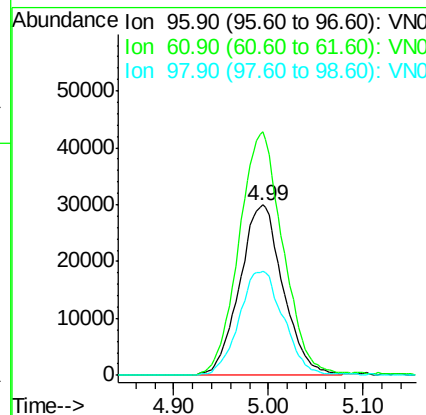
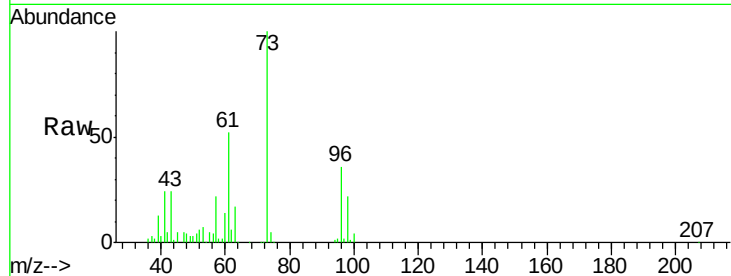
ClientSampleId :

VN0914WBSD01

Tot Ion:	96	Resp:	95491
Ion	Ratio	Lower	Upper
96	100		
61	142.9	121.8	182.8
98	60.7	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 17.711 ug/l

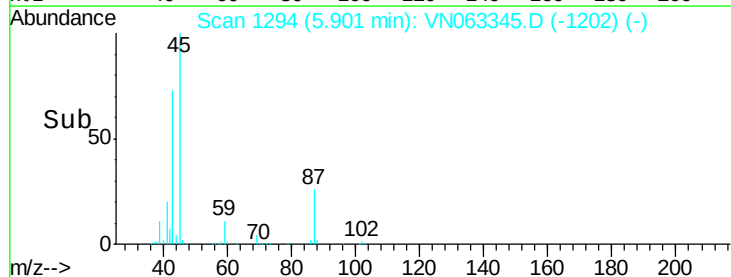
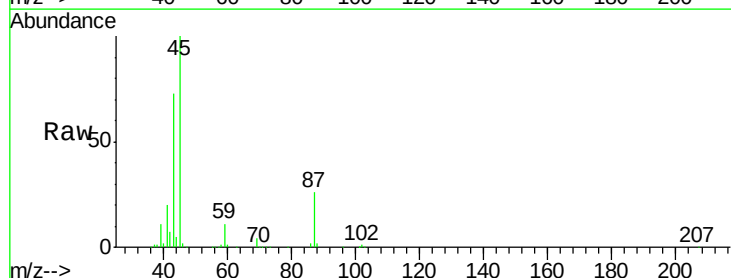
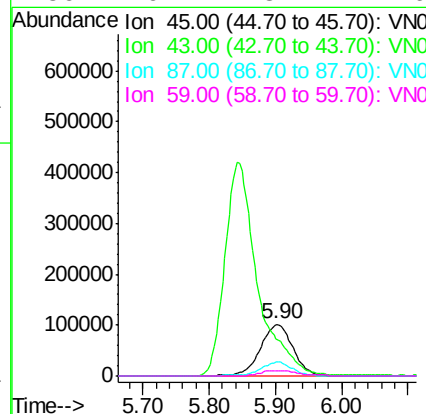
RT: 5.90 min Scan# 1294

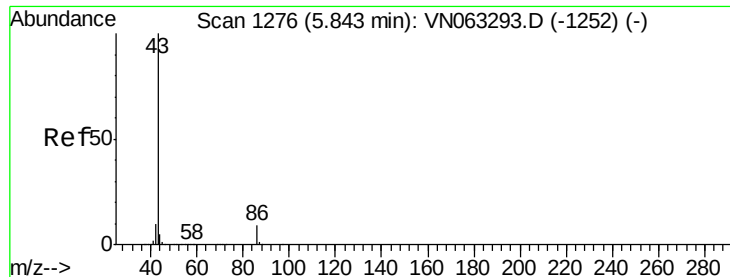
Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Tgt Ion:	45	Resp:	347890
Ion	Ratio	Lower	Upper
45	100		
43	72.5	50.3	75.5
87	26.1	20.7	31.1
59	10.7	8.4	12.6





#23

Vinyl Acetate

Concen: 93.346 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion: 43 Resp: 1443224

Ion Ratio Lower Upper

43 100

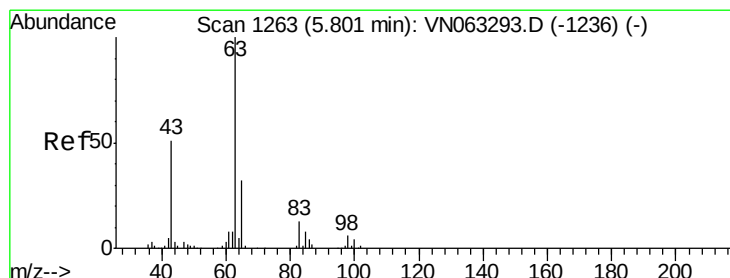
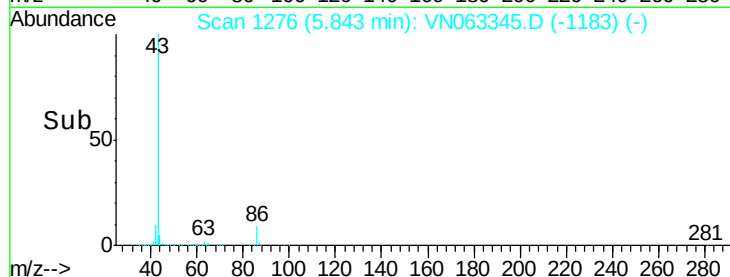
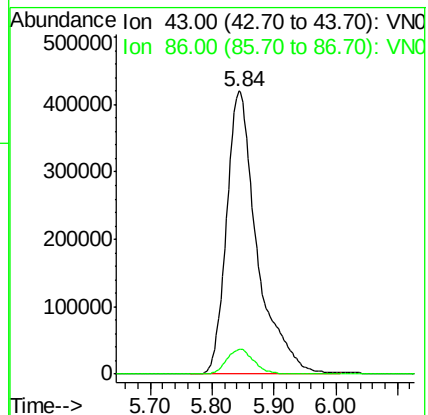
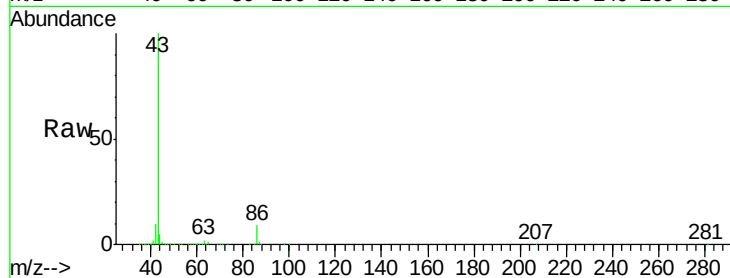
86 8.5 7.2 10.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 17.926 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

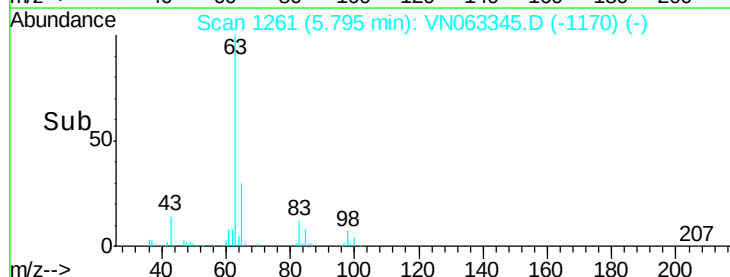
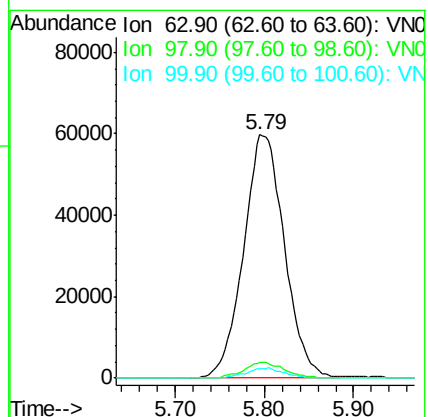
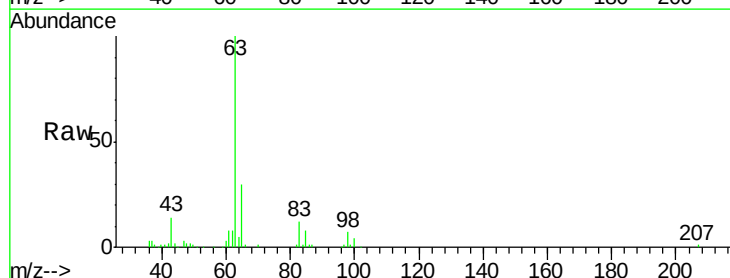
Tgt Ion: 63 Resp: 190686

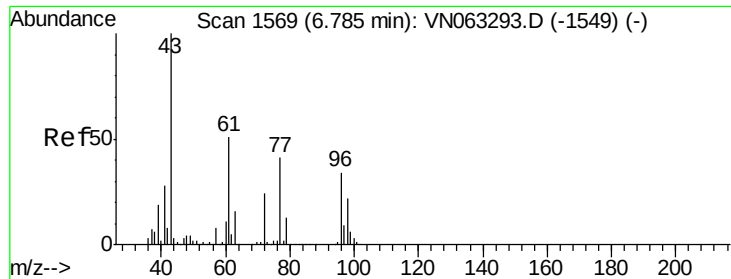
Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.3

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 91.283 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion: 43 Resp: 324579

Ion Ratio Lower Upper

43 100

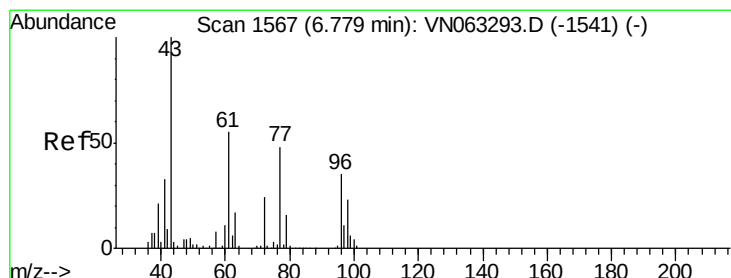
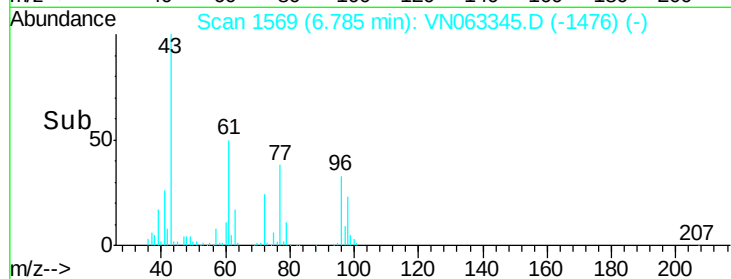
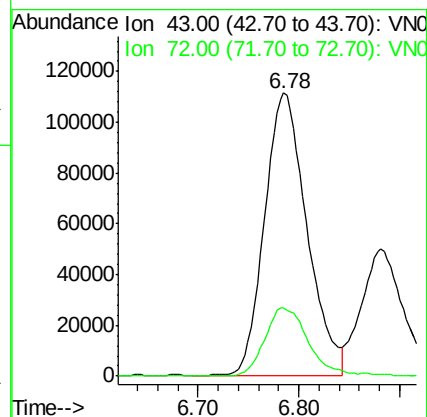
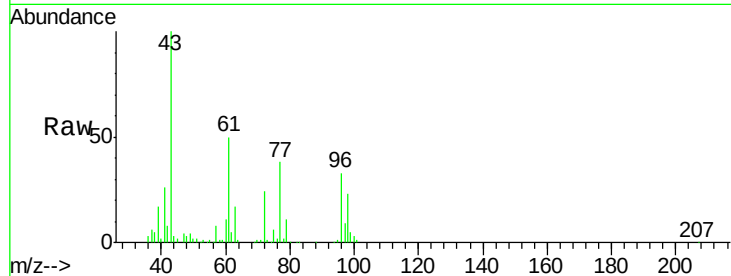
72 24.2 19.4 29.2

Manual Integrations

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9/15/2020 12:15:34 PM



#26

2,2-Dichloropropane

Concen: 16.046 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN063345.D

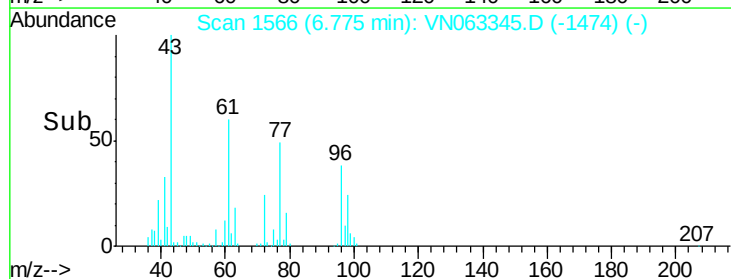
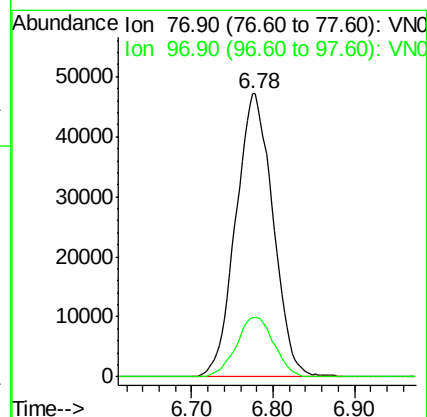
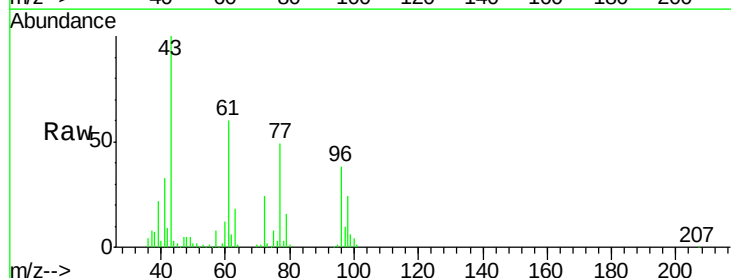
Acq: 14 Sep 2020 16:07

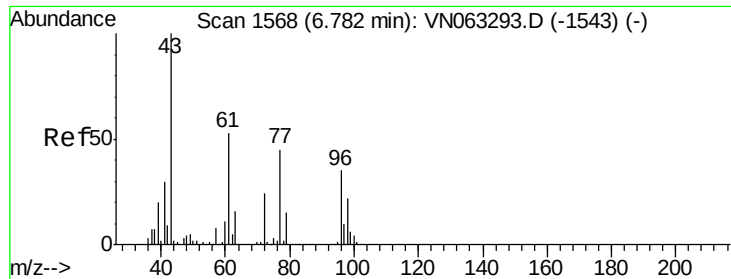
Tgt Ion: 77 Resp: 149604

Ion Ratio Lower Upper

77 100

97 21.2 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 17.602 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

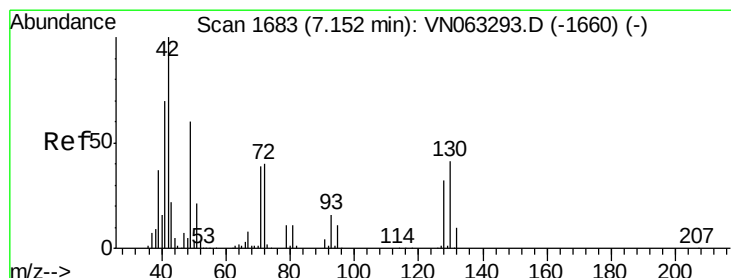
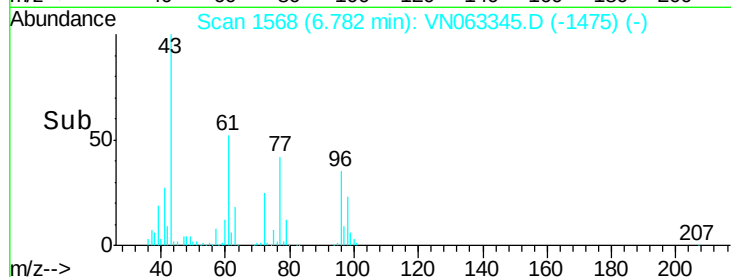
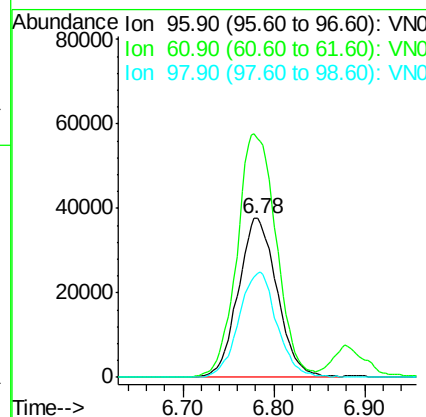
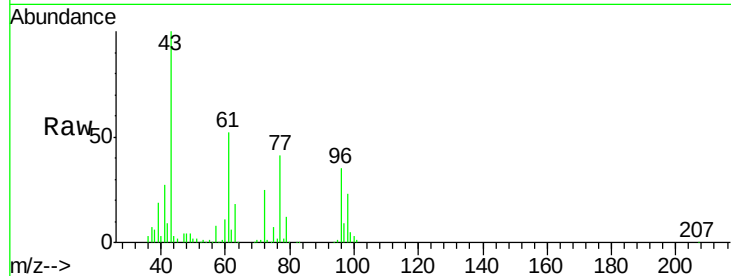
ClientSampleId :

VN0914WBSD01

Tot Ion:	96	Resp:	111616
Ion	Ratio	Lower	Upper
96	100		
61	154.7	0.0	322.8
98	64.7	0.0	132.2

Manual Integrations
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#28

Bromochloromethane

Concen: 17.526 ug/l

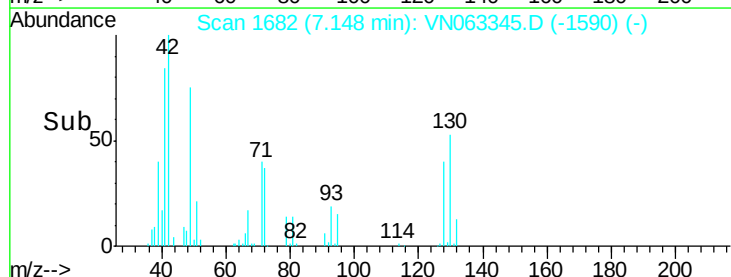
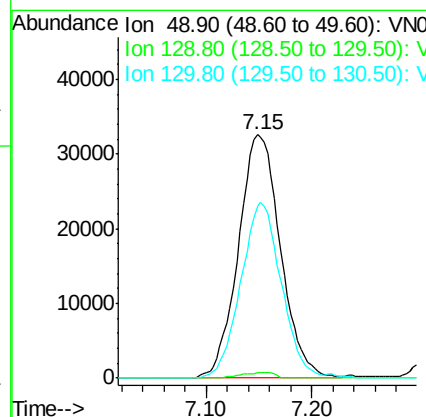
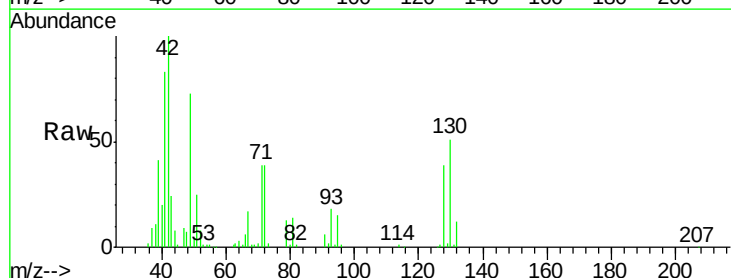
RT: 7.15 min Scan# 1682

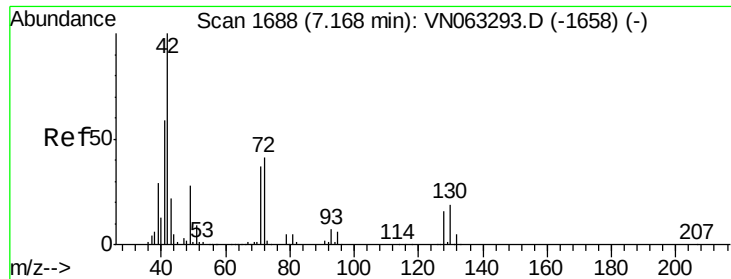
Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Tgt Ion:	49	Resp:	90400
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	69.1	53.1	79.7





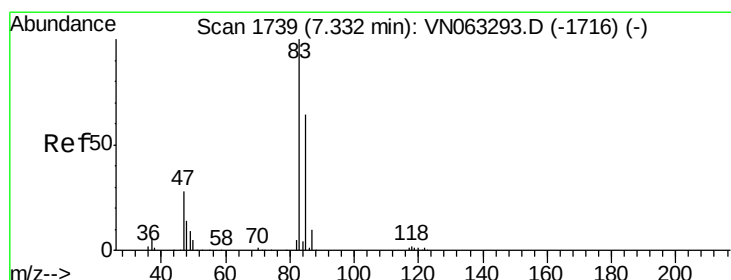
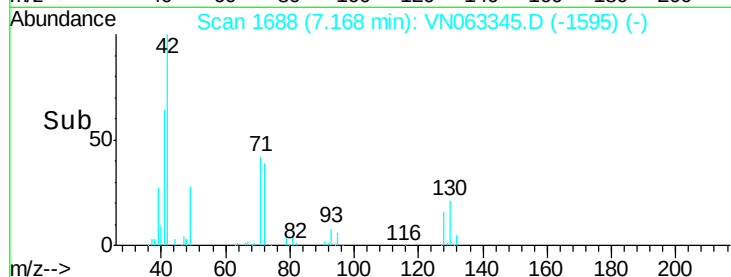
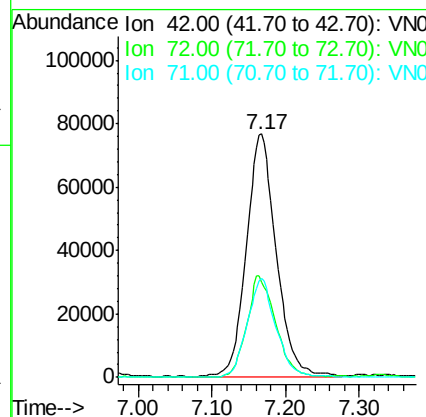
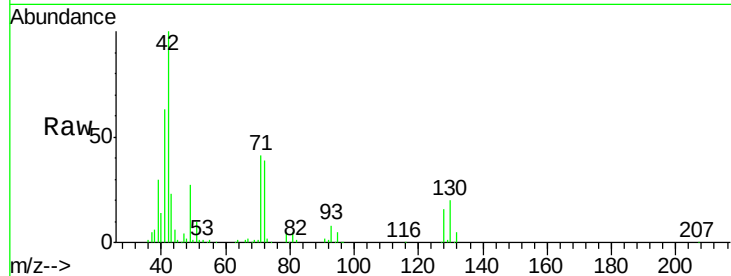
#29
Tetrahydrofuran
Concen: 93.271 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	31.4	47.2
71	39.1	30.0	45.0

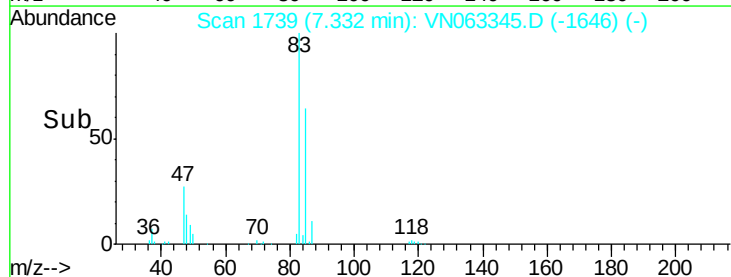
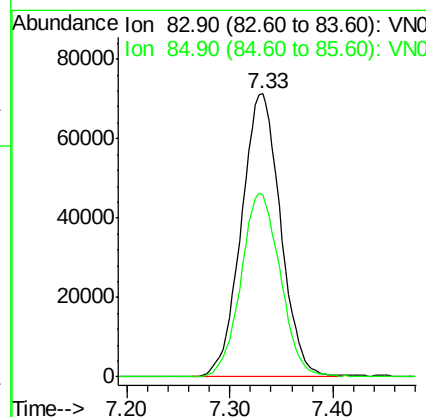
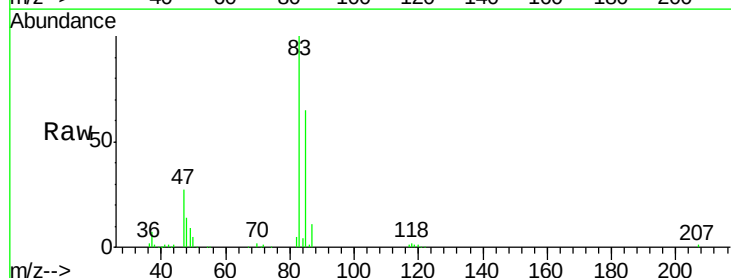
Manual Integrations
APPROVED

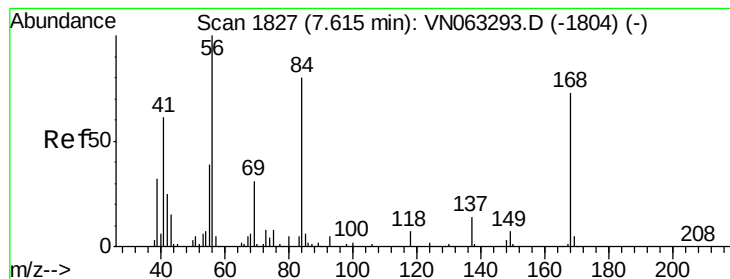
MMDadoda
9/15/2020 12:15:34 PM



#30
Chloroform
Concen: 17.672 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.2	76.8





#31

Cyclohexane

Concen: 17.236 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

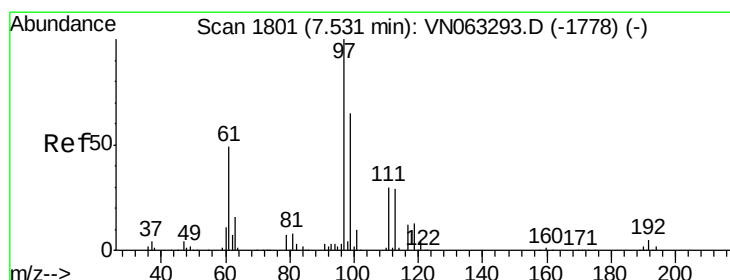
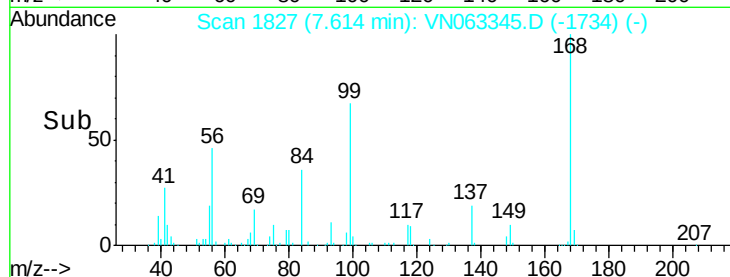
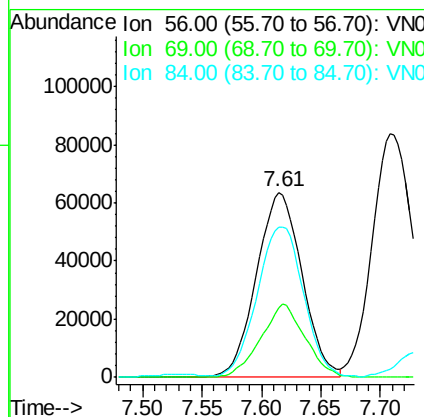
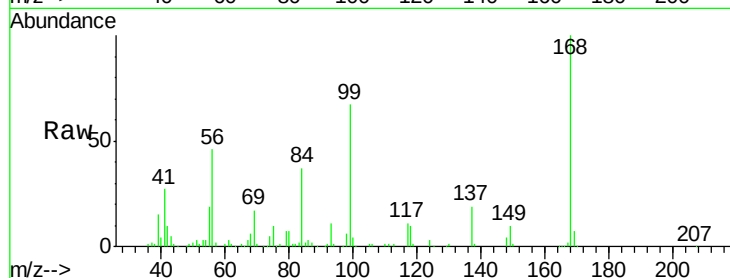
ClientSampleId :

VN0914WBSD01

Tot Ion:	56	Resp:	168519
Ion	Ratio	Lower	Upper
56	100		
69	37.5	25.1	37.7
84	79.3	64.2	96.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.195 ug/l

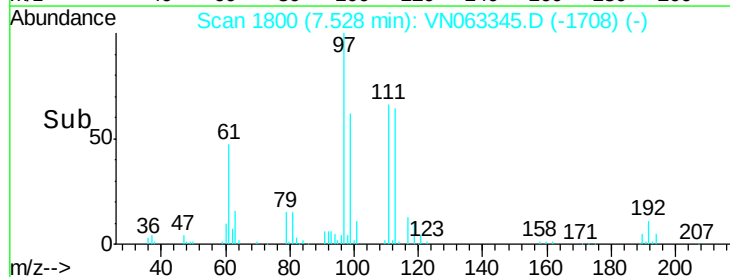
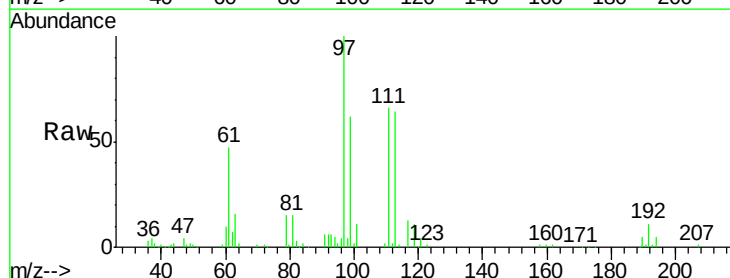
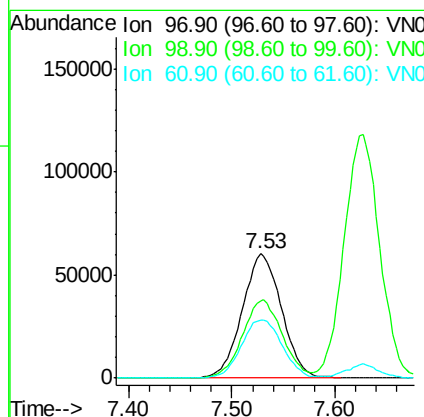
RT: 7.53 min Scan# 1800

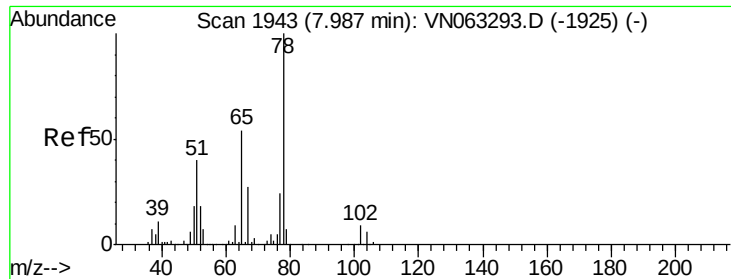
Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Tgt Ion:	97	Resp:	159645
Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.4	77.2
61	49.1	38.9	58.3





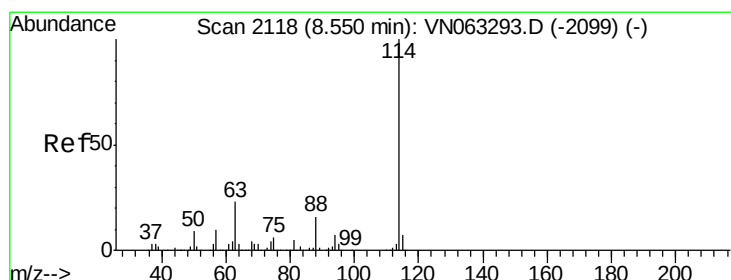
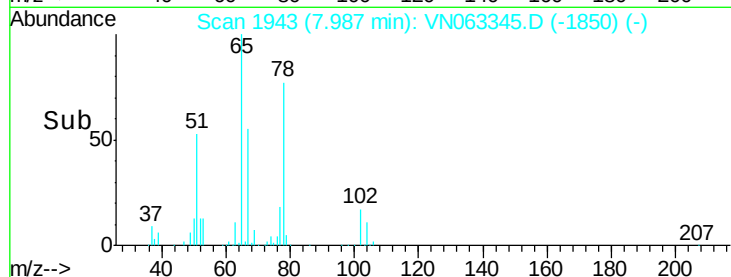
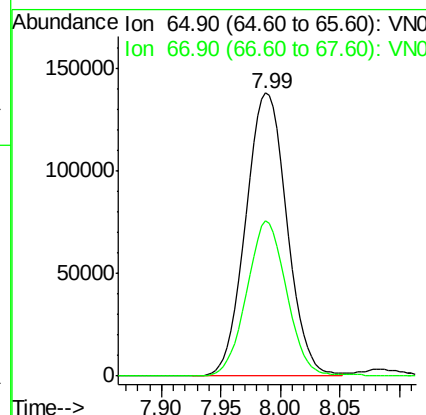
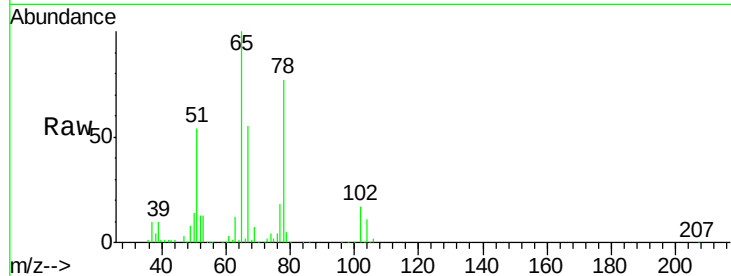
#33
 1,2-Dichloroethane-d4
 Concen: 47.622 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.8	0.0	104.6	

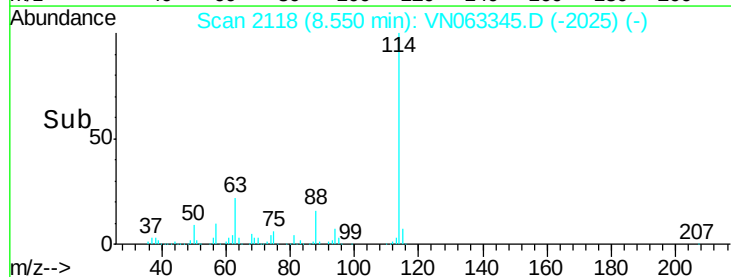
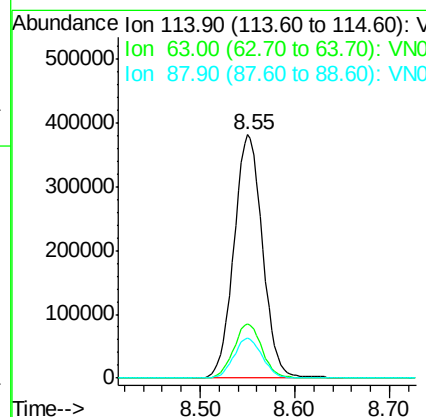
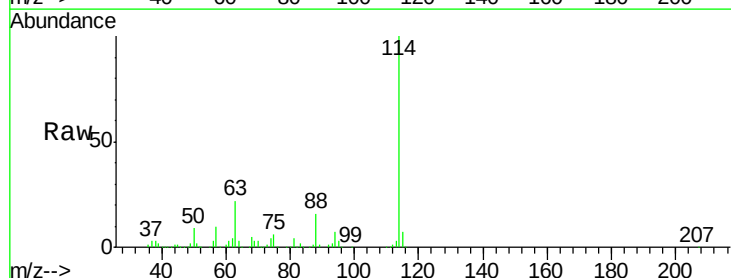
Manual Integrations
 APPROVED

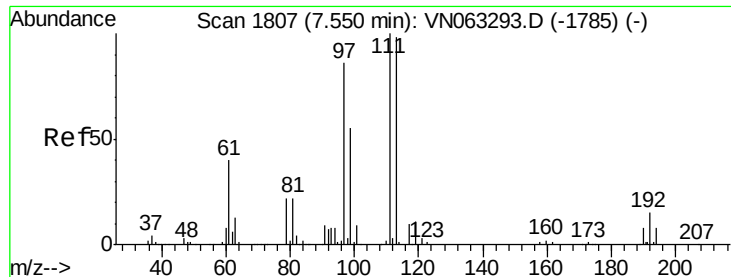
MMDadoda
 9/15/2020 12:15:34 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.5	0.0	46.0	
88	16.4	0.0	32.8	





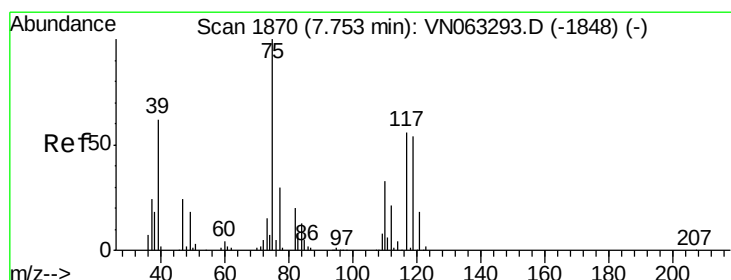
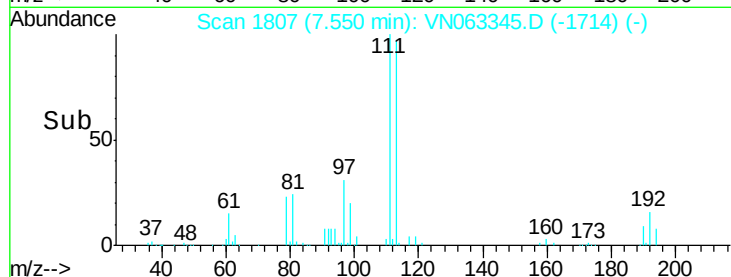
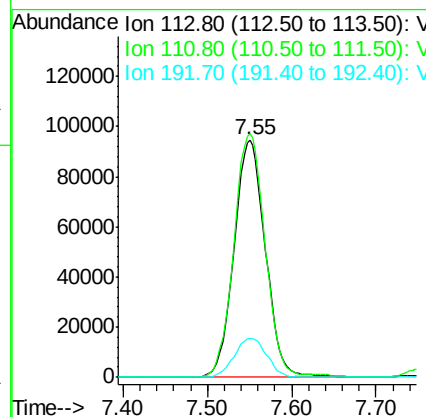
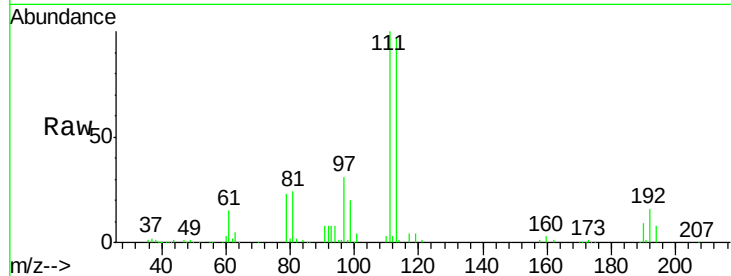
#35
 Dibromofluoromethane
 Concen: 47.085 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	243367		
111	102.4	82.2	123.2	
192	17.1	12.9	19.3	

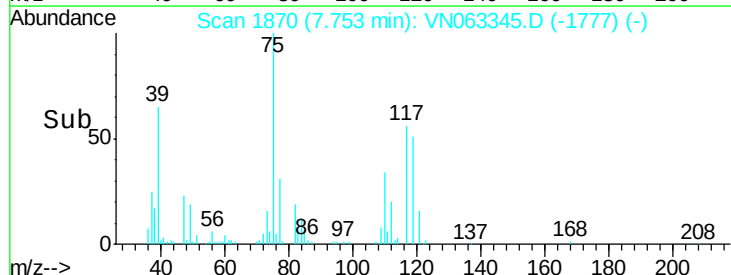
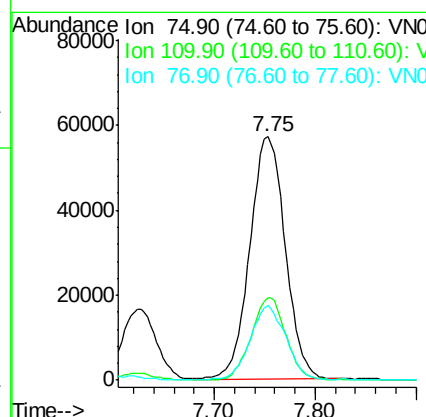
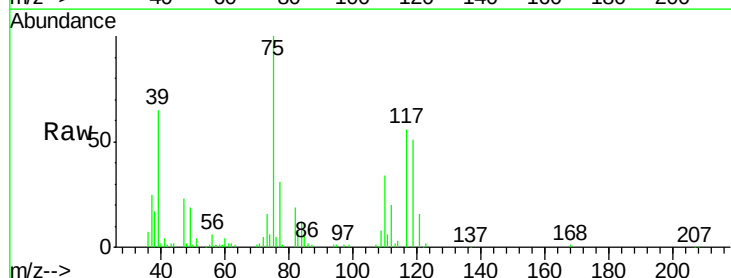
Manual Integrations
 APPROVED

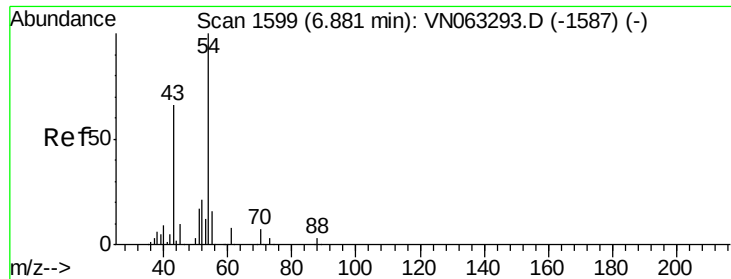
MMDadoda
 9/15/2020 12:15:34 PM



#36
 1,1-Dichloropropene
 Concen: 16.927 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	139402		
110	33.2	16.4	49.4	
77	31.0	24.8	37.2	





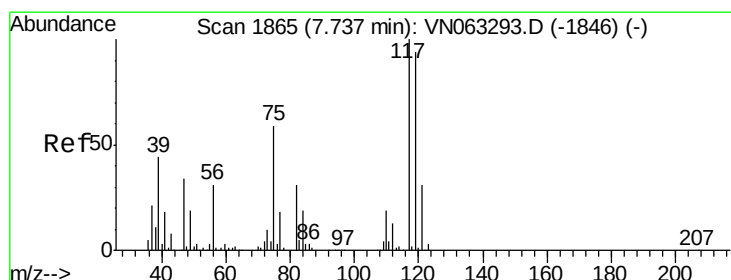
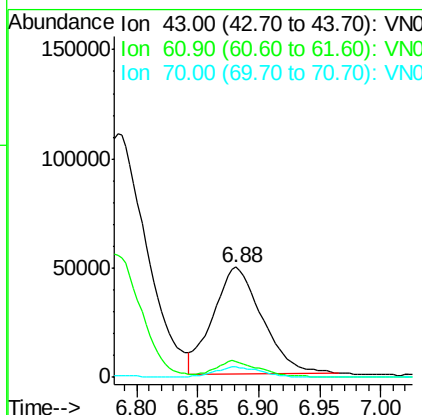
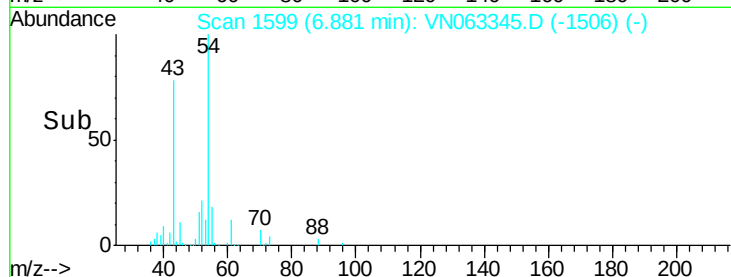
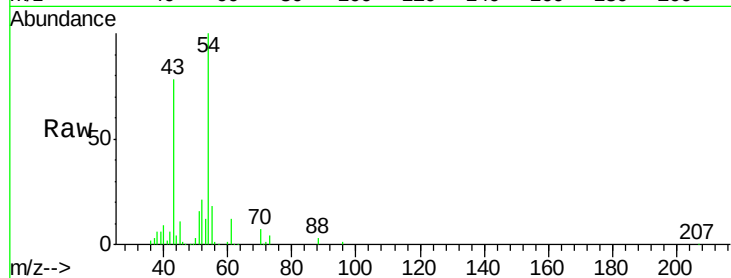
#37
Ethyl Acetate
Concen: 17.123 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.1	15.1
70	9.3	7.4	11.2

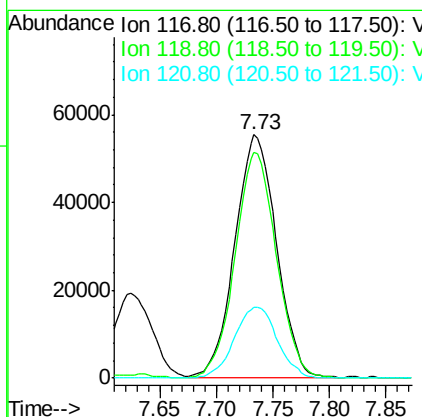
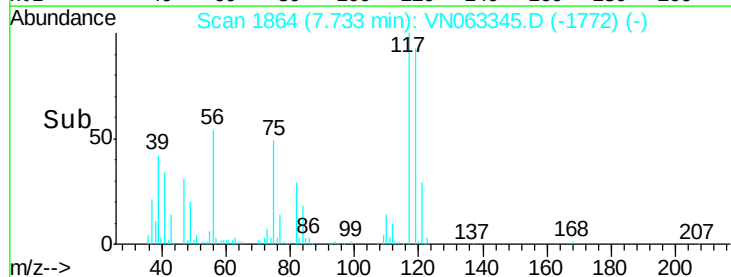
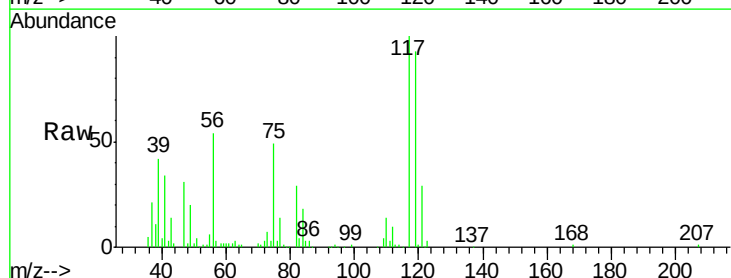
Manual Integrations
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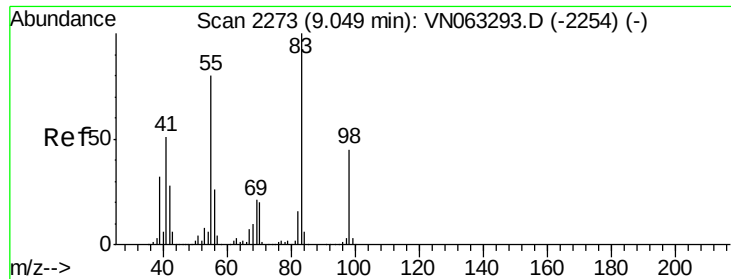
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.590 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	75.3	112.9
121	29.0	24.6	37.0





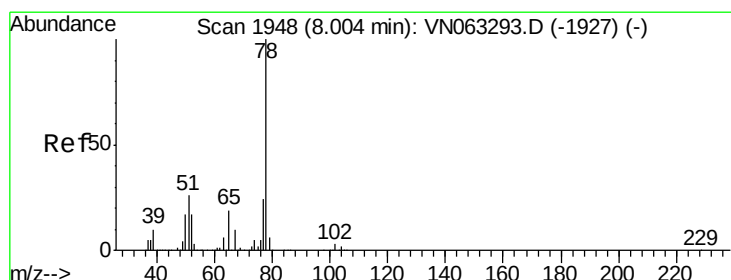
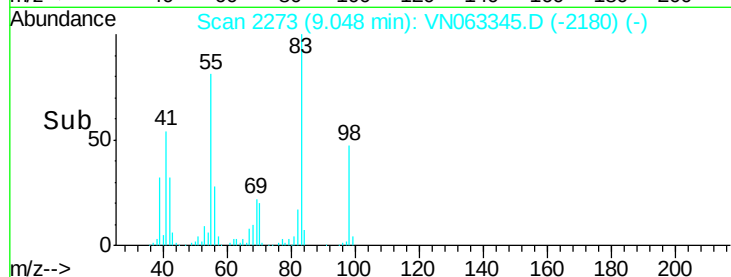
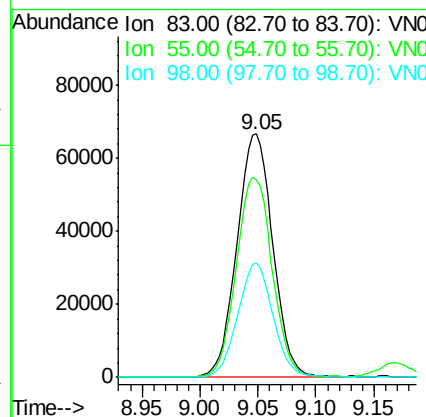
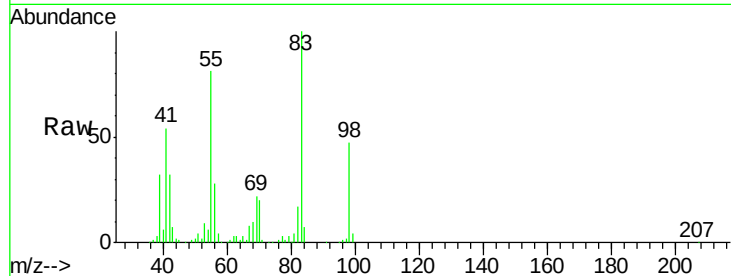
#39
Methylvlcyclohexane
Concen: 15.936 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.3	64.0	96.0	
98	47.1	36.4	54.6	

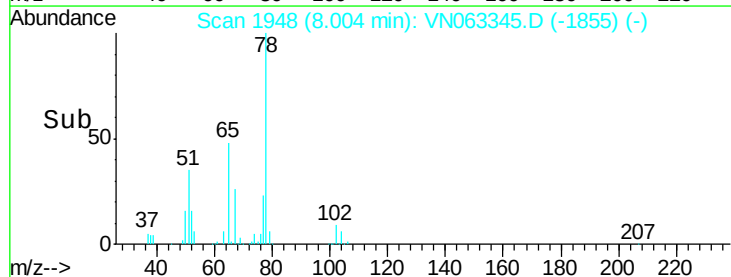
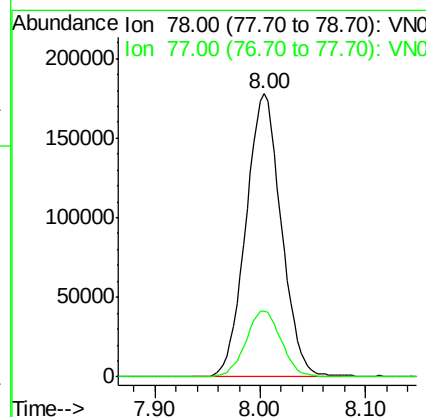
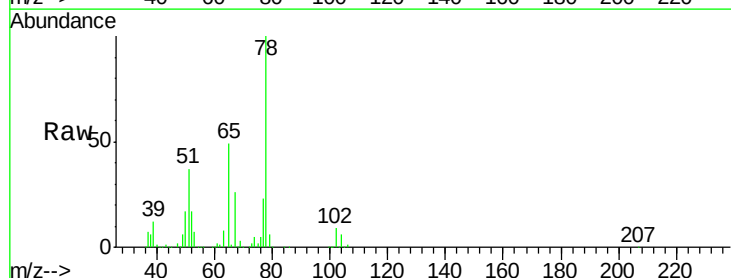
Manual Integrations
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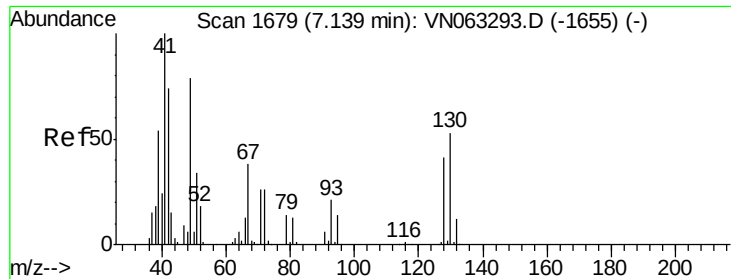
MMDadoda
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#40
Benzene
Concen: 17.647 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	18.8	28.2	





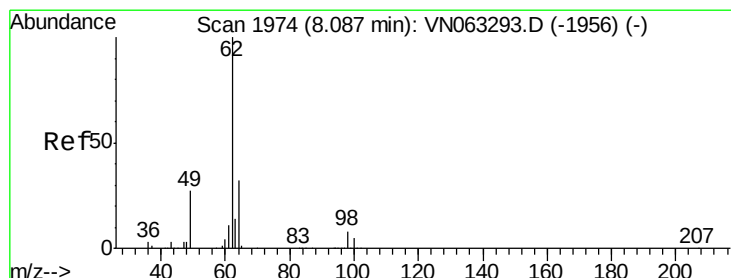
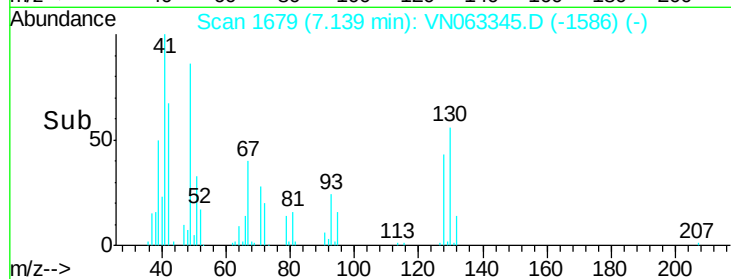
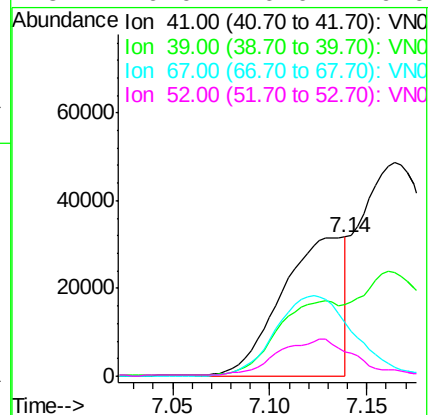
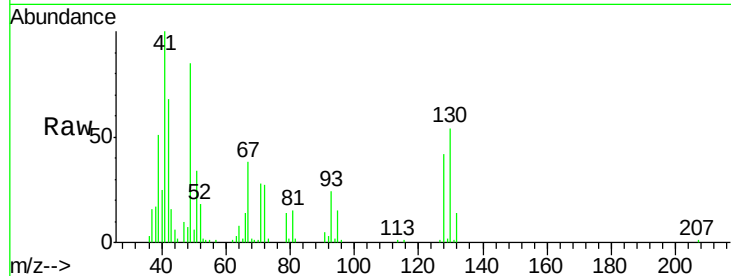
#41
Methacrylonitrile
Concen: 19.673 ug/l m
RT: 7.14 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampled :
VN0914WBSD01

Tot Ion	41	Resp	72097
Ion	Ratio	Lower	Upper
41	100		
39	70.3	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

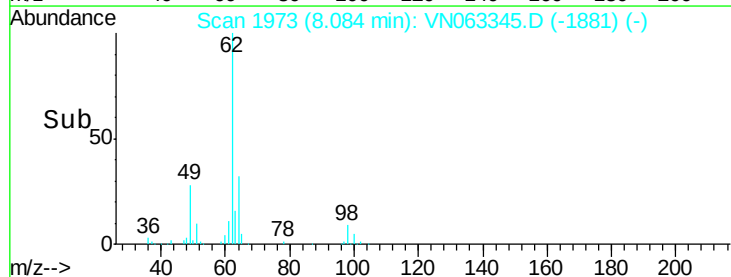
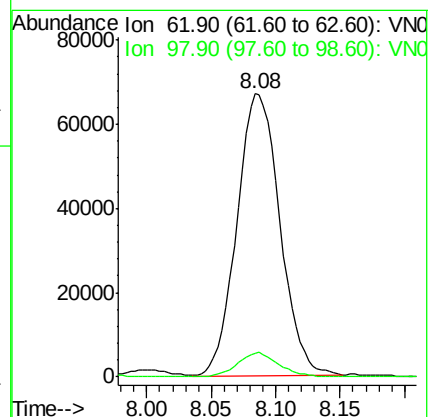
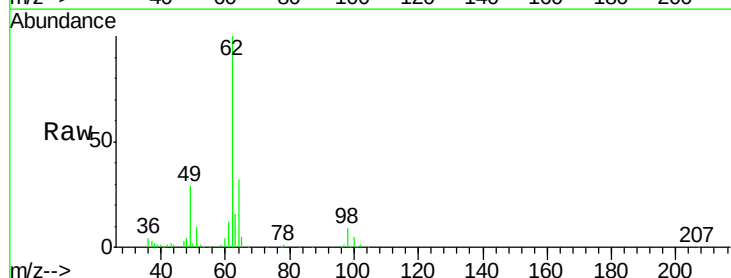
Manual Integrations
APPROVED

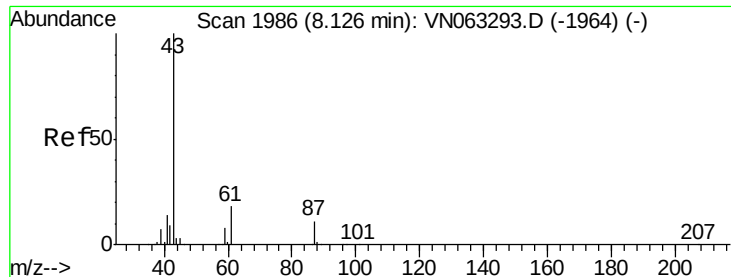
MMDadoda
9/15/2020 12:15:34 PM



#42
1,2-Dichloroethane
Concen: 17.415 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion	62	Resp	155416
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	15.4





#43

Isopropyl Acetate

Concen: 17.758 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

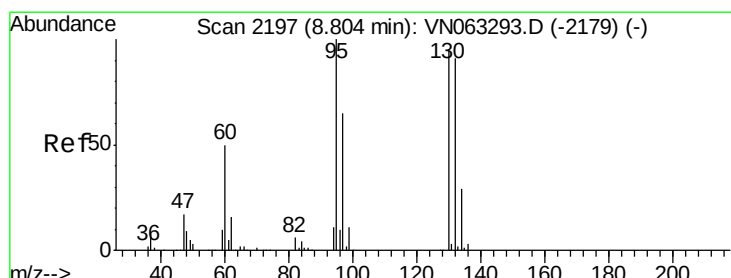
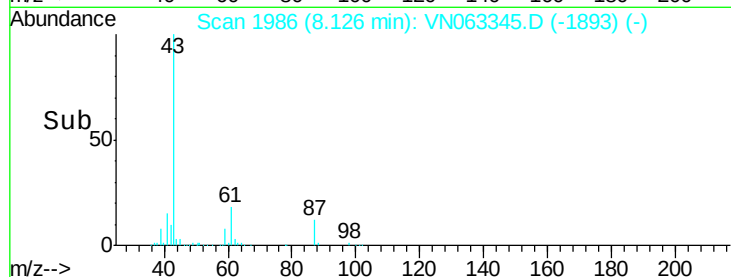
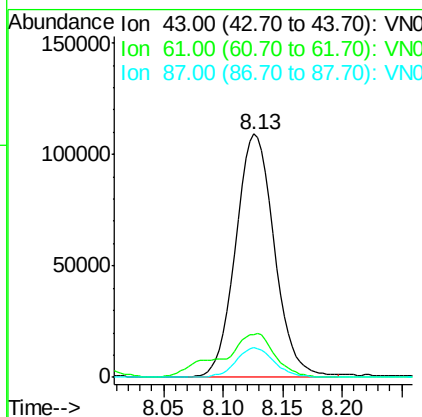
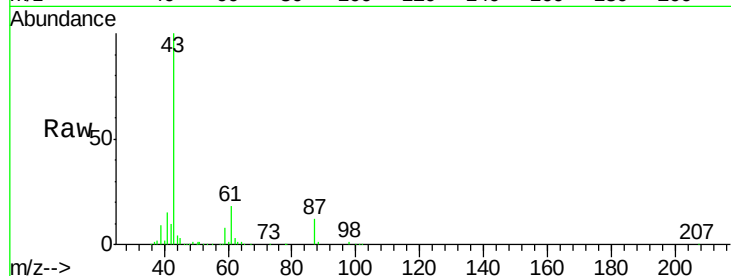
ClientSampleId :

VN0914WBSD01

Tot Ion:	43	Resp:	243651
Ion	Ratio	Lower	Upper
43	100		
61	25.3	15.1	22.7#
87	12.2	9.2	13.8

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#44

Trichloroethene

Concen: 17.089 ug/l

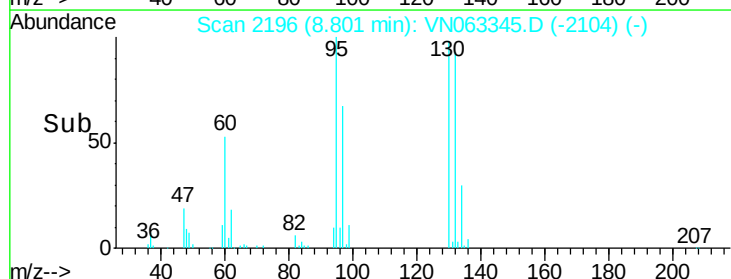
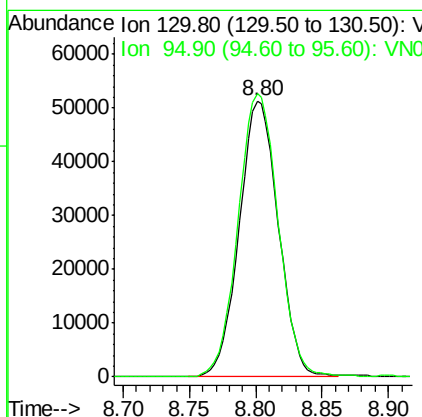
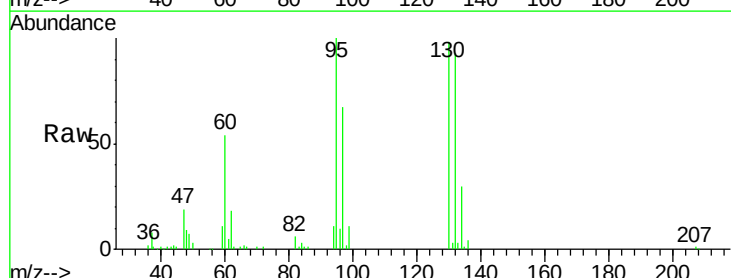
RT: 8.80 min Scan# 2196

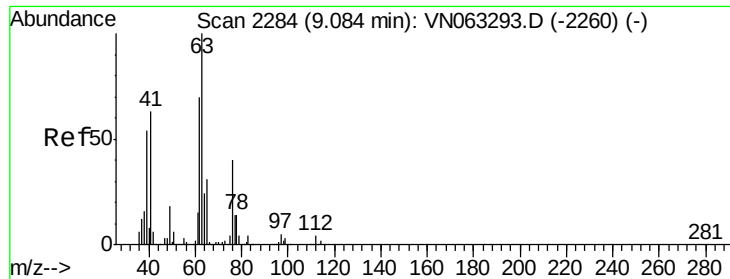
Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Tgt Ion:	130	Resp:	105121
Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	210.8





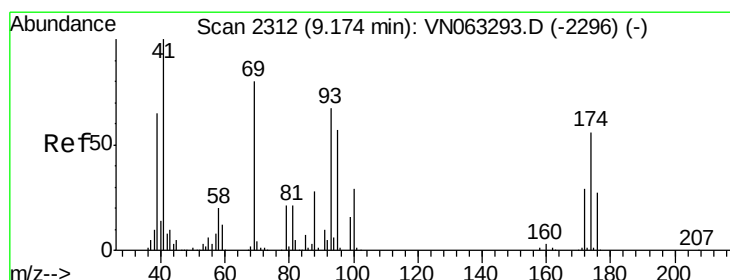
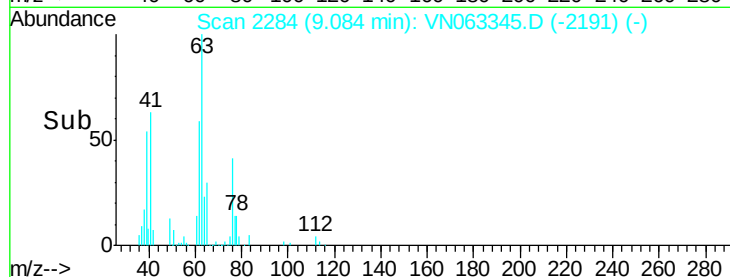
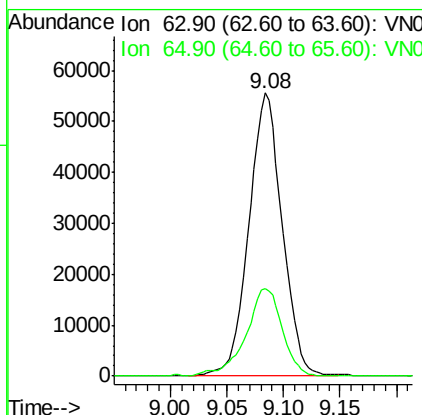
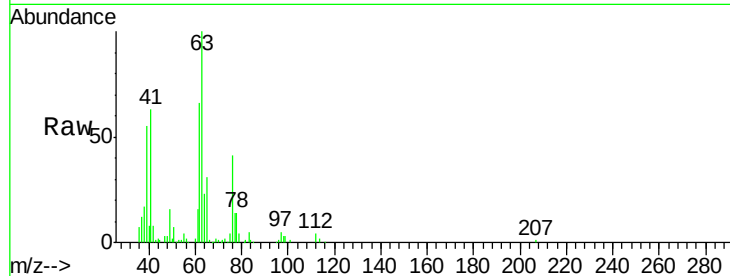
#45
 1,2-Dichloropropane
 Concen: 17.657 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.6	36.8

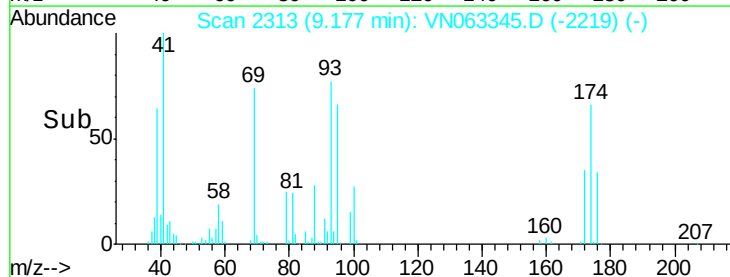
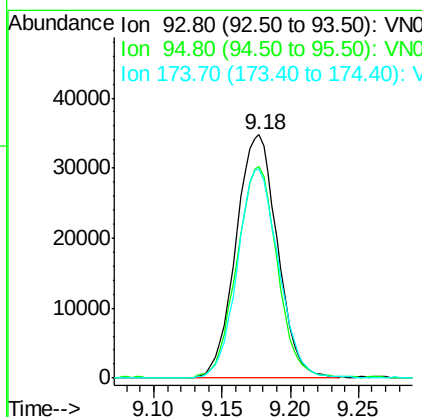
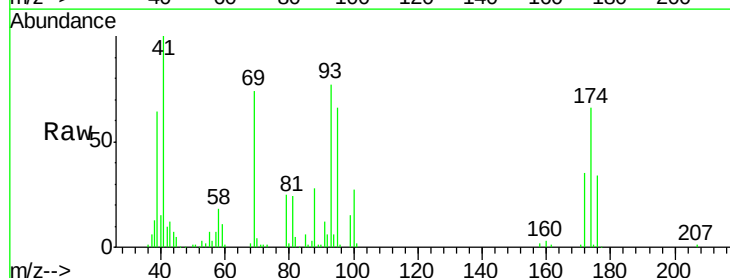
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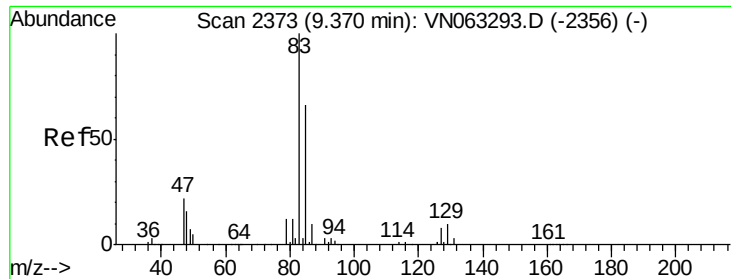
MMDadoda
 9/15/2020 12:15:34 PM



#46
 Dibromomethane
 Concen: 17.543 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	67.9	101.9
174	85.2	66.9	100.3





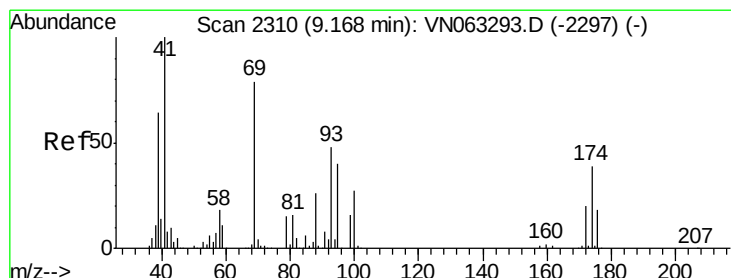
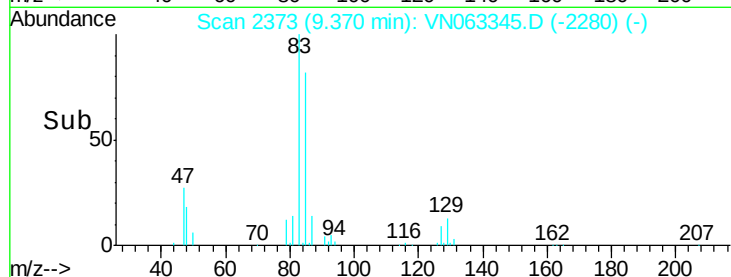
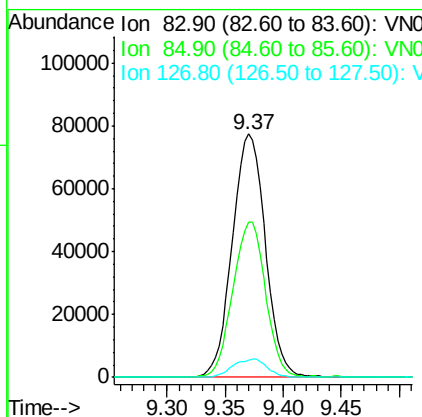
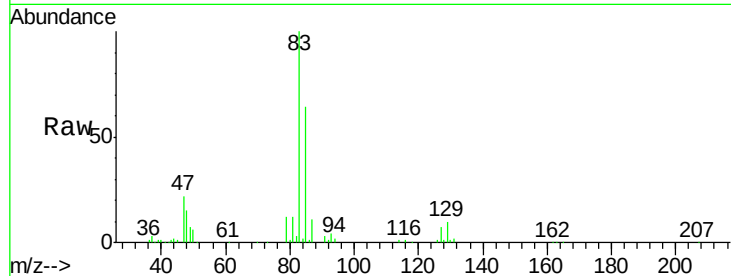
#47
Bromodichloromethane
Concen: 17.634 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.5	78.7
127	7.2	6.6	10.0

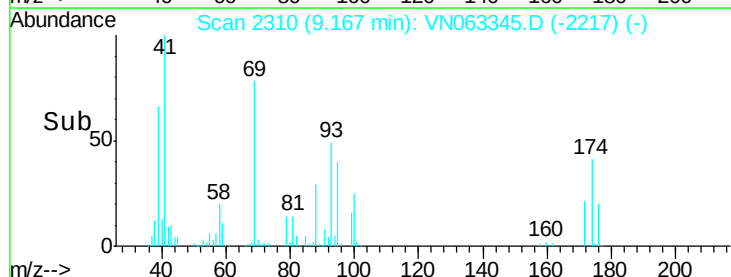
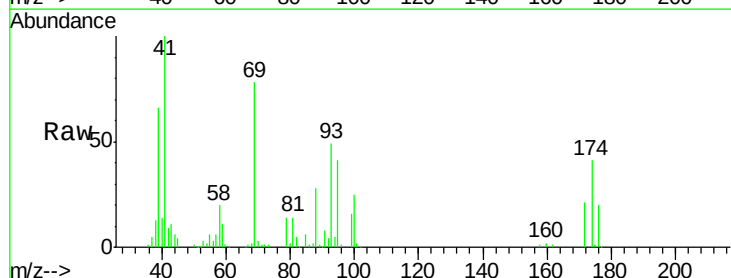
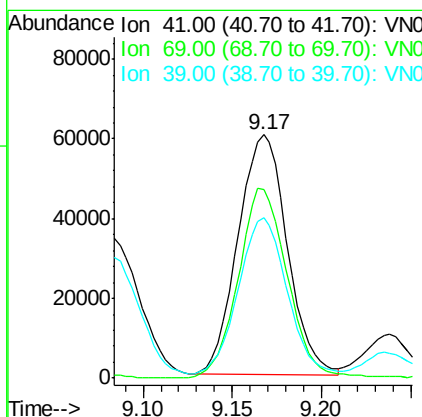
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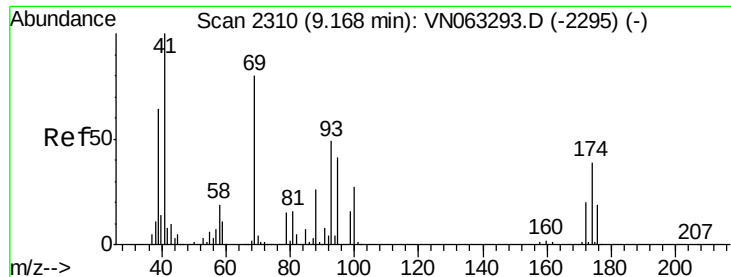
MMDadoda
9/15/2020 12:15:34 PM



#48
Methyl methacrylate
Concen: 17.644 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.6	63.6	95.4
39	66.7	53.2	79.8





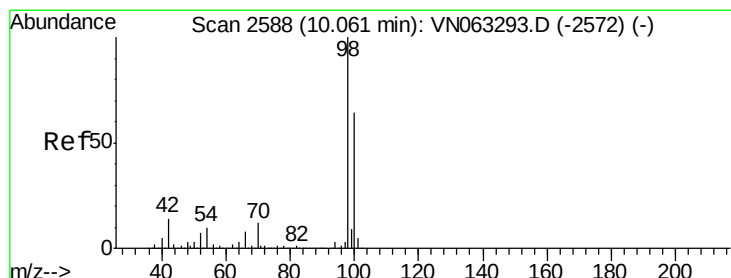
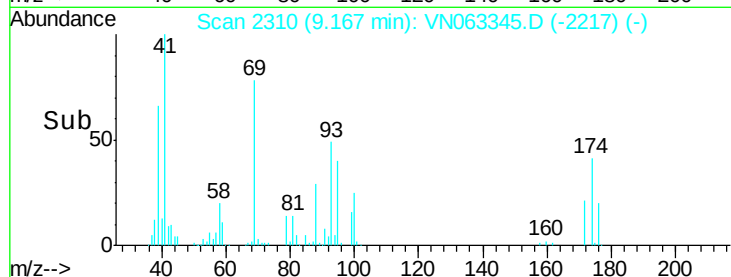
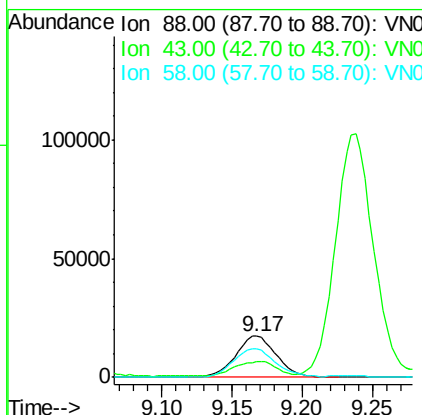
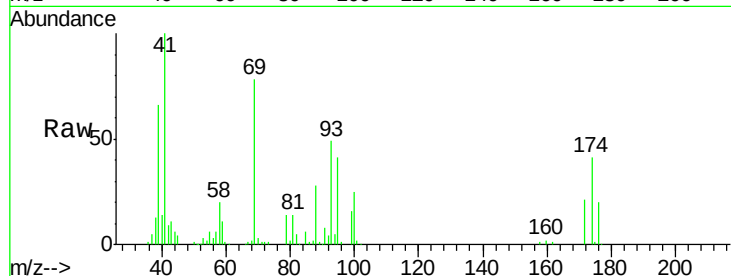
#49
1,4-Dioxane
Concen: 350.036 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	34.9	30.5	45.7	
58	72.5	58.9	88.3	

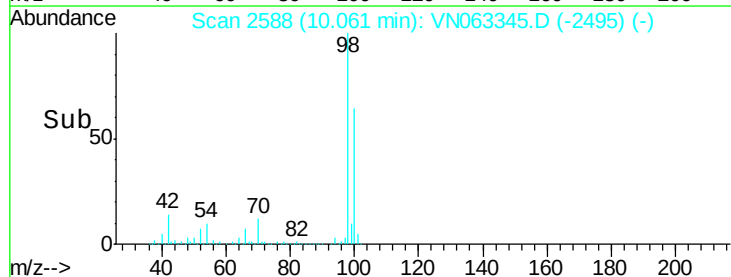
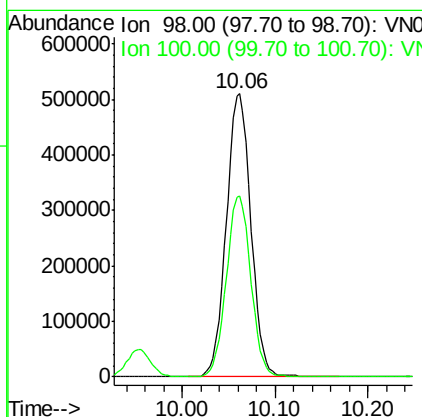
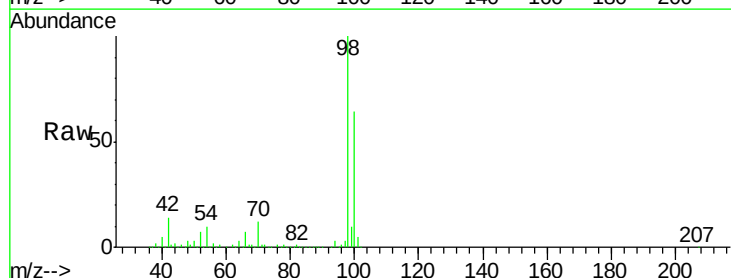
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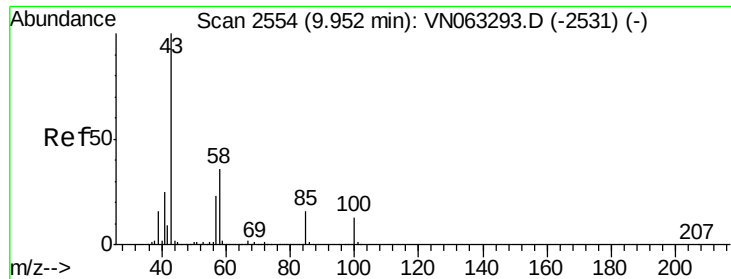
MMDadoda
9/15/2020 12:15:34 PM



#50
Toluene-d8
Concen: 47.373 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.7	50.7	76.1	





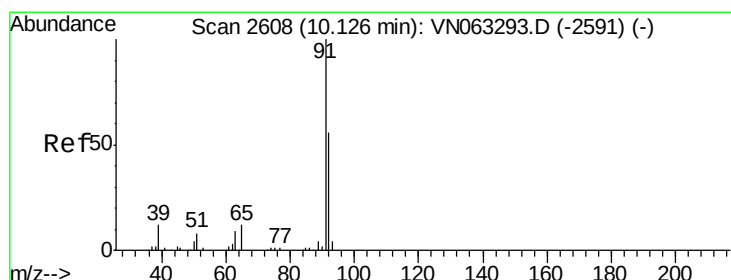
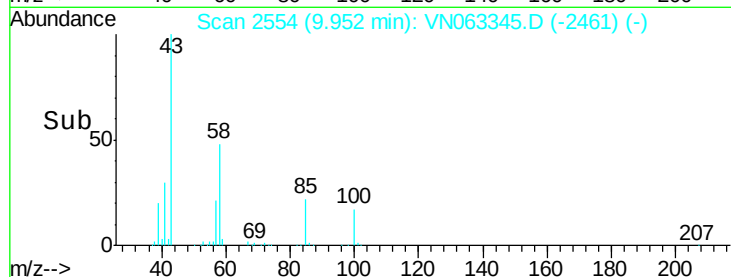
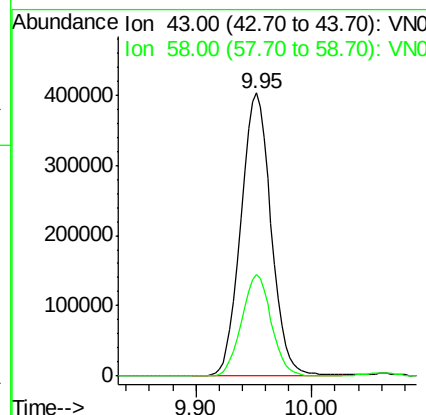
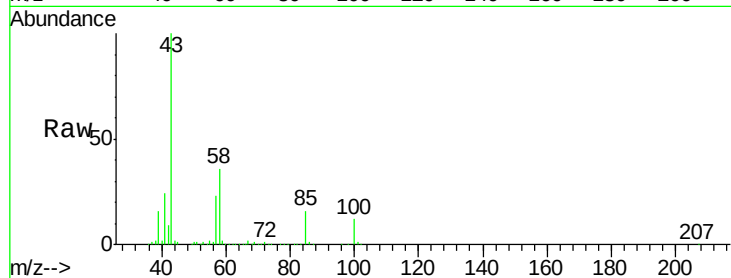
#51
4-Methyl-2-Pentanone
Concen: 95.800 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	43	Resp	724385
Ion	Ratio	Lower	Upper
43	100		
58	35.3	29.0	43.4

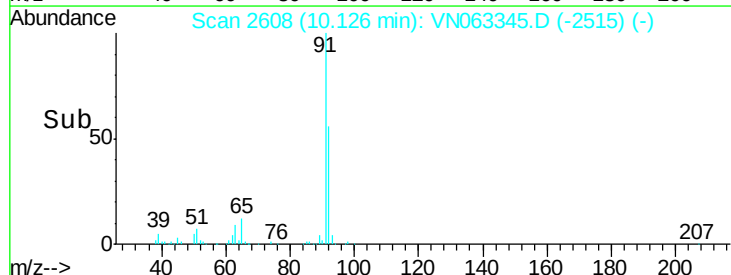
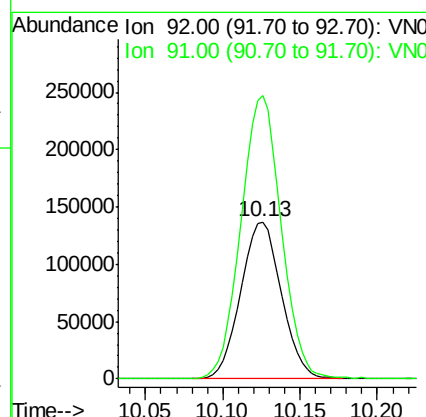
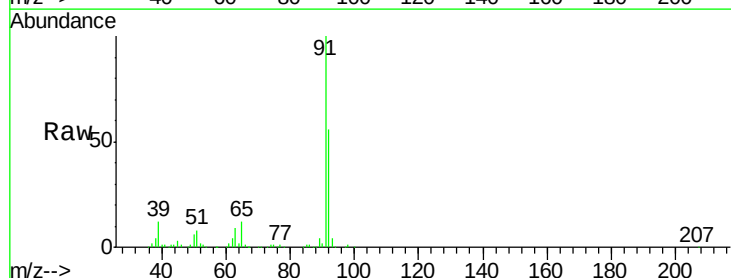
Manual Integrations
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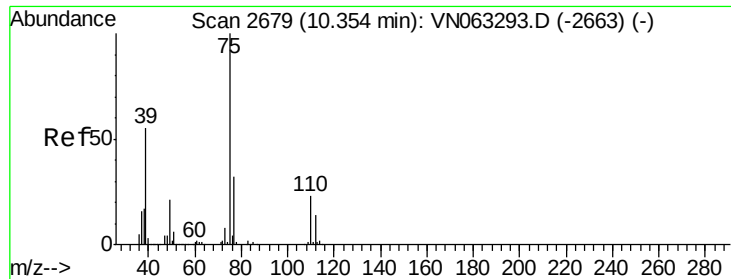
MMDadoda
9/15/2020 12:15:34 PM



#52
Toluene
Concen: 17.457 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion	92	Resp	250701
Ion	Ratio	Lower	Upper
92	100		
91	178.6	141.2	211.8





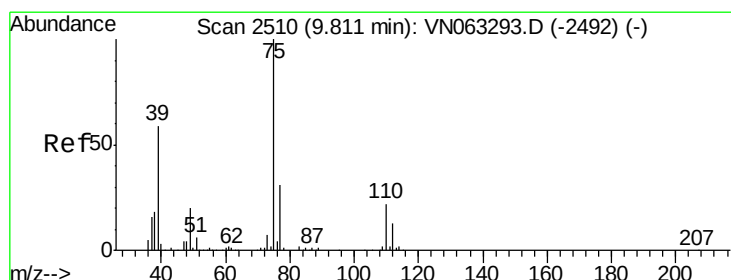
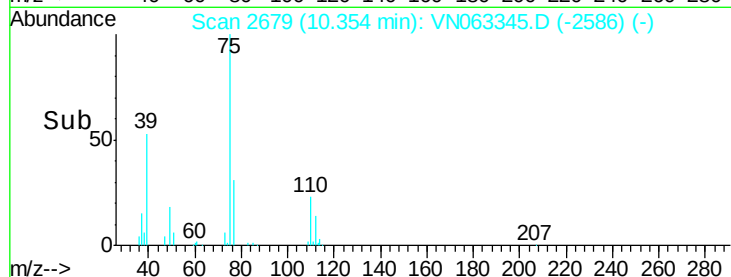
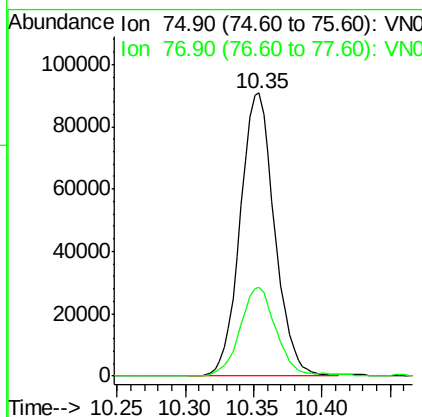
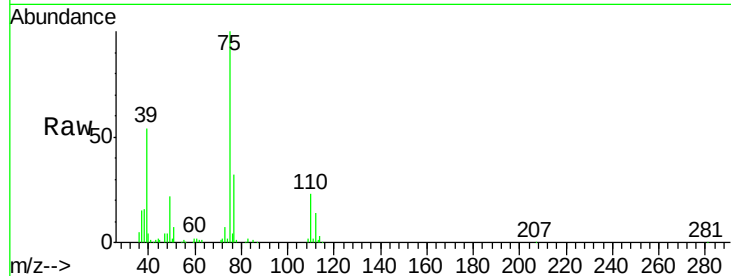
#53
t-1,3-Dichloropropene
Concen: 16.734 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampled :
VN0914WBSD01

Tot Ion	75	Resp	159101
Ion Ratio	Lower	Upper	
75	100		
77	31.3	25.7	38.5

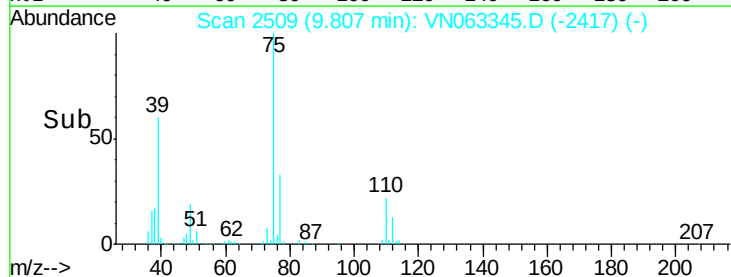
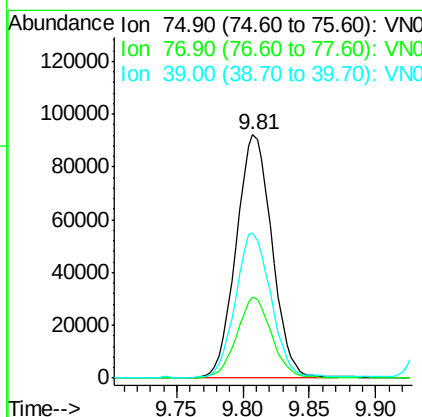
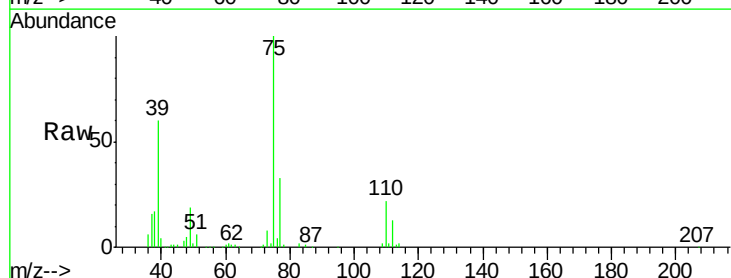
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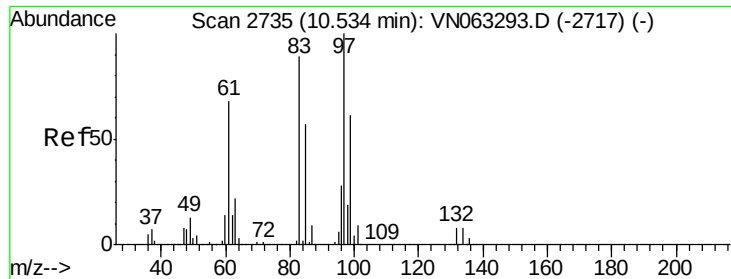
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 16.903 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion	75	Resp	173037
Ion Ratio	Lower	Upper	
75	100		
77	33.1	24.7	37.1
39	59.5	47.2	70.8





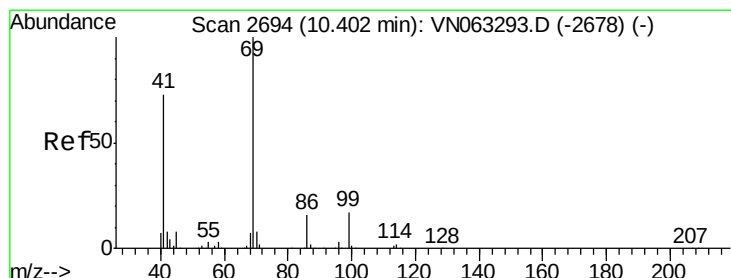
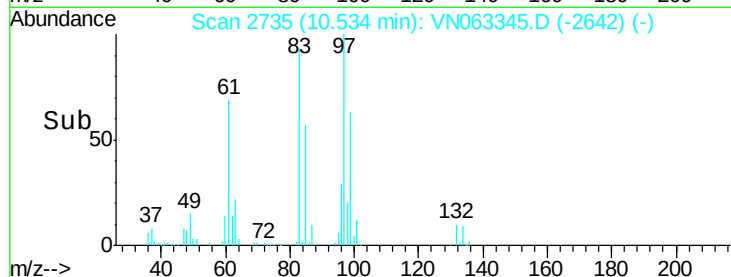
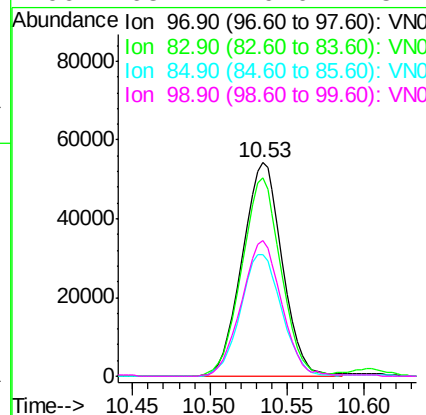
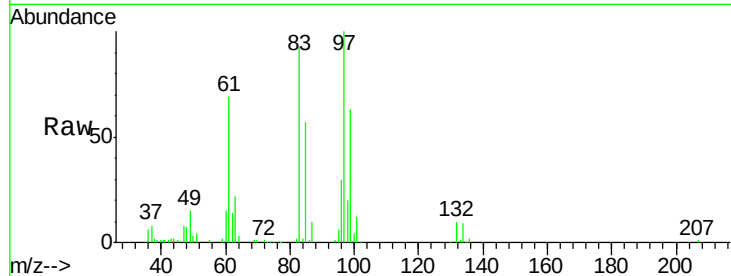
#55
 1,1,2-Trichloroethane
 Concen: 17.342 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion:	97	Resp:	97590
Ion	Ratio	Lower	Upper
97	100		
83	93.1	70.8	106.2
85	57.1	45.6	68.4
99	63.4	49.0	73.4

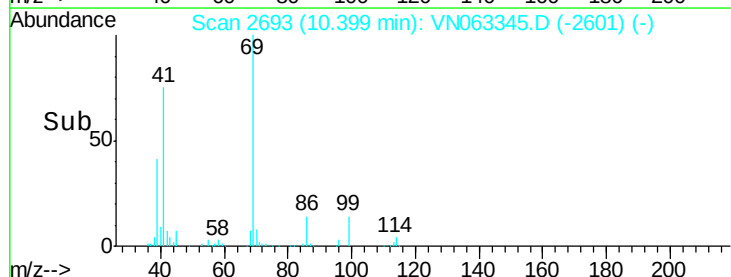
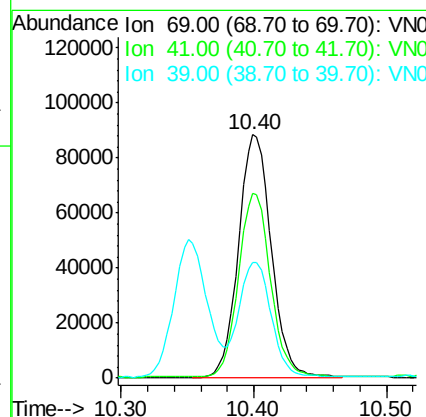
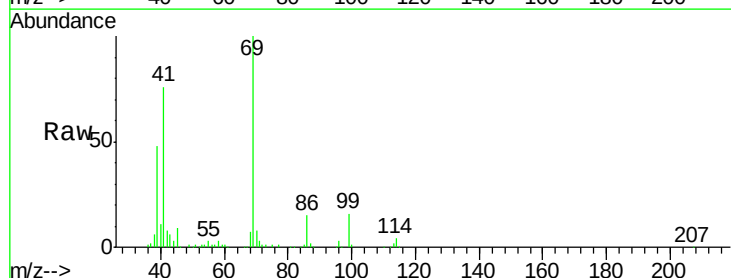
Manual Integrations
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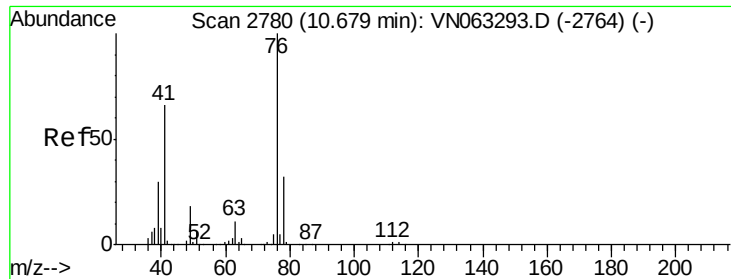
MMDadoda
 9/15/2020 12:15:34 PM



#56
 Ethyl methacrylate
 Concen: 17.895 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Tgt Ion:	69	Resp:	153135
Ion	Ratio	Lower	Upper
69	100		
41	73.2	58.4	87.6
39	47.5	38.6	58.0





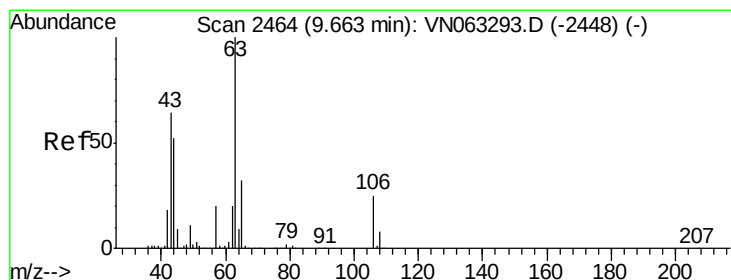
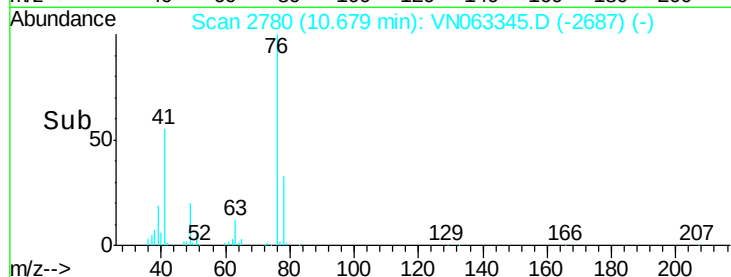
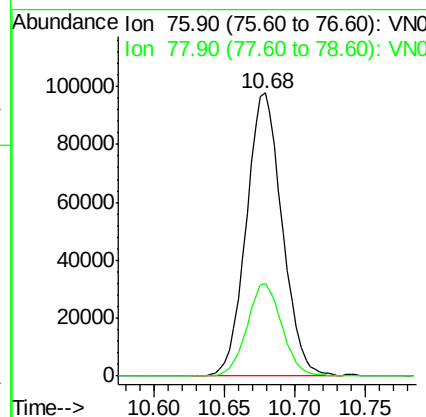
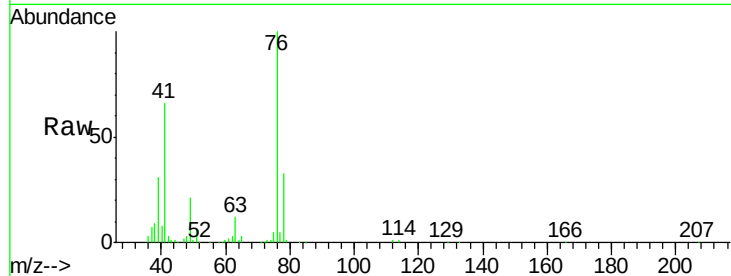
#57
 1,3-Dichloropropane
 Concen: 17.720 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion: 76 Resp: 174246
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5

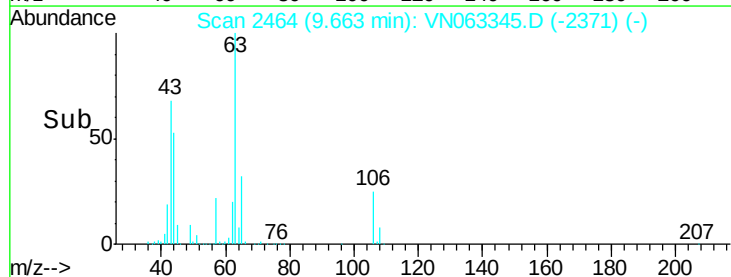
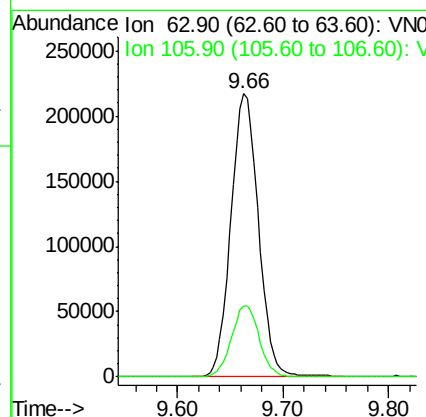
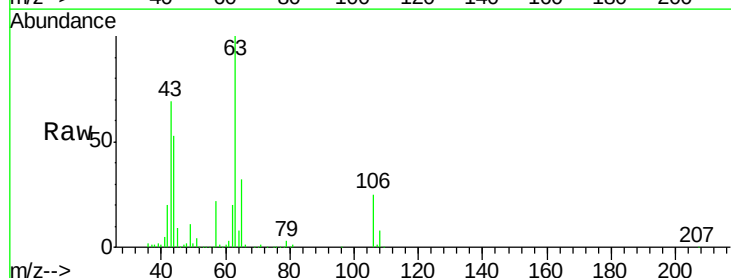
Manual Integrations
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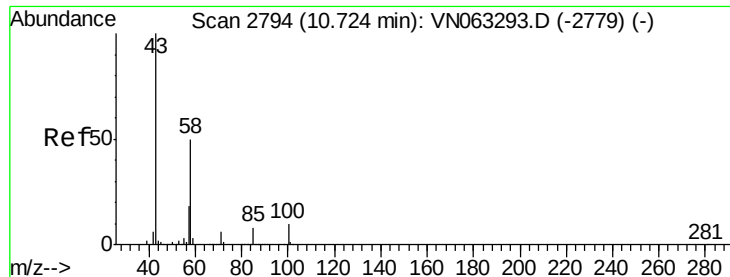
MMDadoda
 9/15/2020 12:15:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.545 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Tgt Ion: 63 Resp: 392672
 Ion Ratio Lower Upper
 63 100
 106 25.3 20.2 30.4





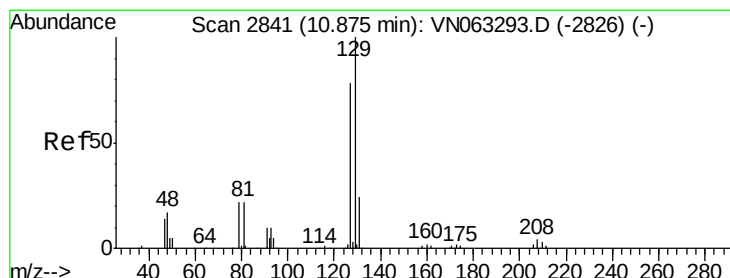
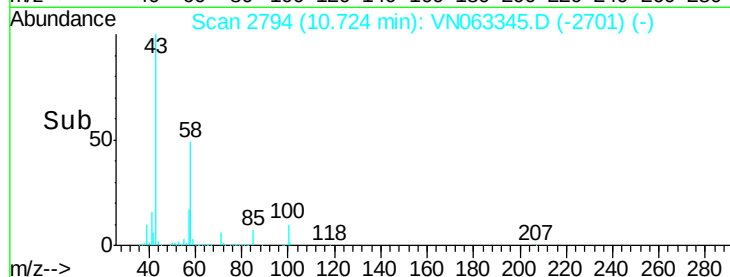
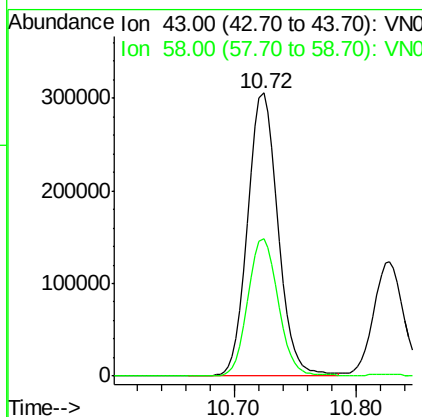
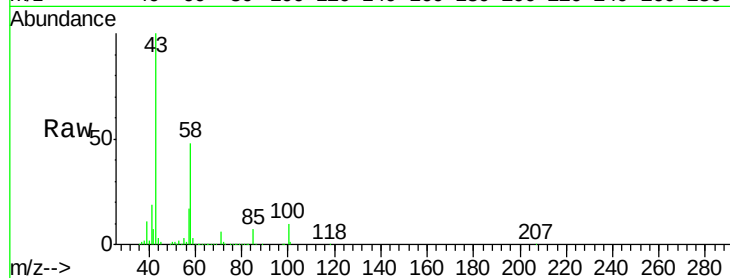
#59
2-Hexanone
Concen: 93.146 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	43	Resp	519443
Ion Ratio	100	Lower	Upper
43	100		
58	49.3	25.1	75.3

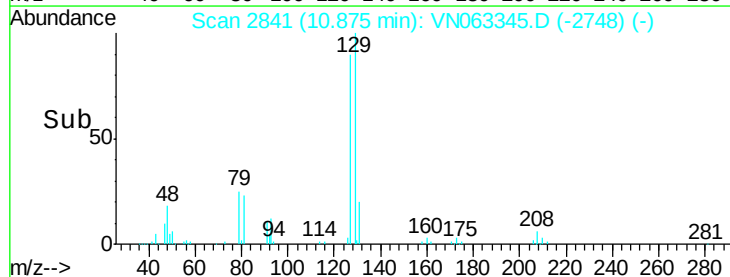
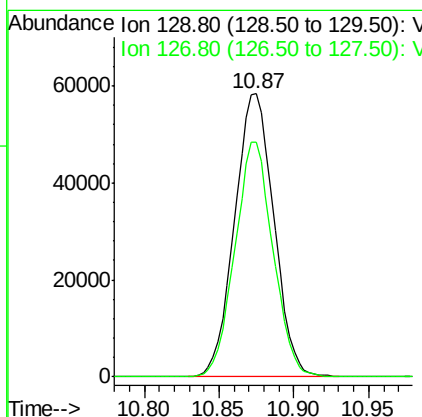
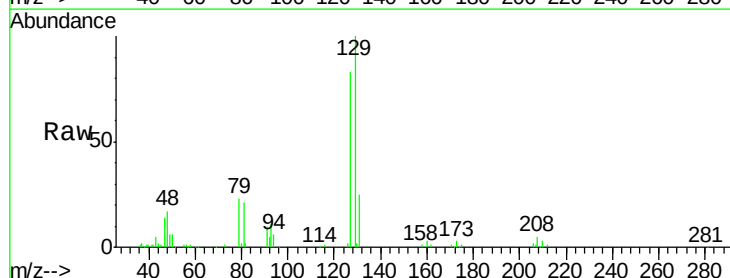
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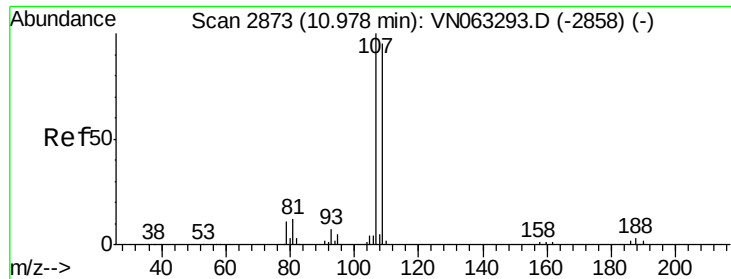
MMDadoda
9/15/2020 12:15:34 PM



#60
Dibromochloromethane
Concen: 17.269 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion	129	Resp	106715
Ion Ratio	100	Lower	Upper
129	100		
127	80.6	39.0	117.0





#61

1,2-Dibromoethane

Concen: 17.786 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion: 107 Resp: 104343

Ion Ratio Lower Upper

107 100

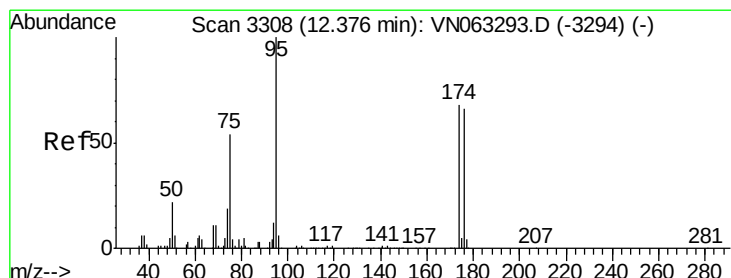
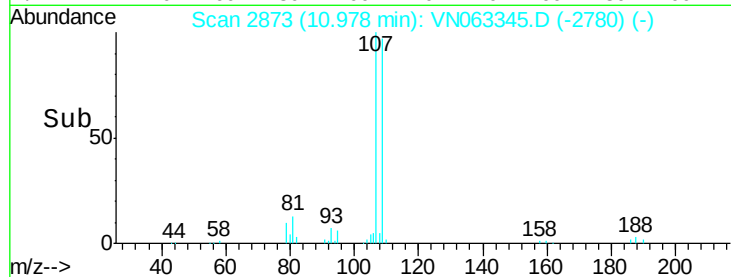
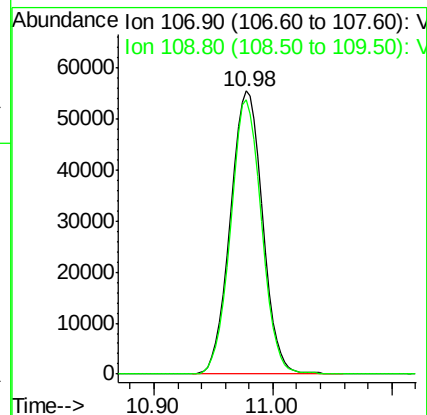
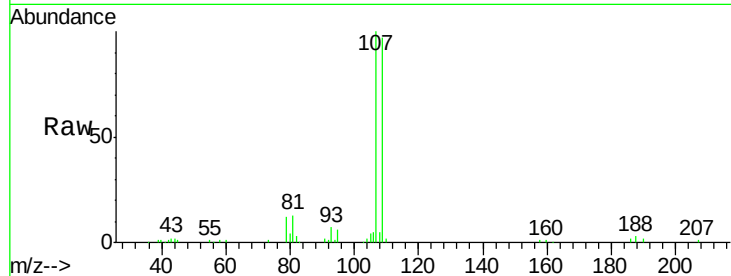
109 93.0 75.5 113.3

Manual Integrations

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9/15/2020 12:15:34 PM



#62

4-Bromofluorobenzene

Concen: 45.978 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

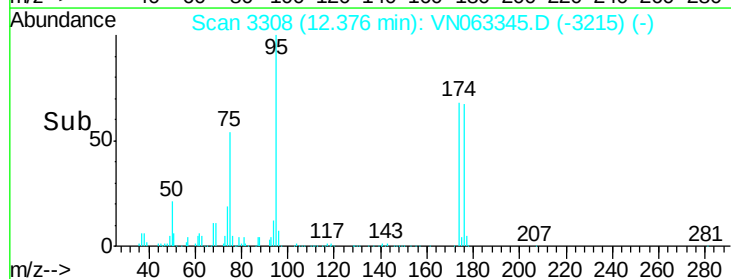
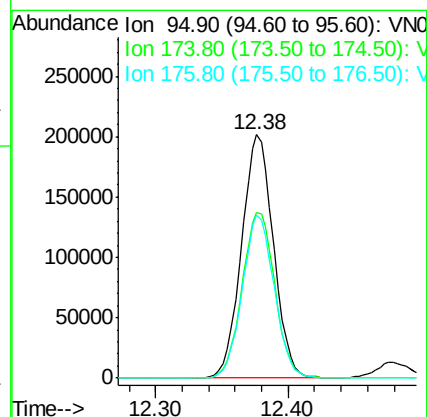
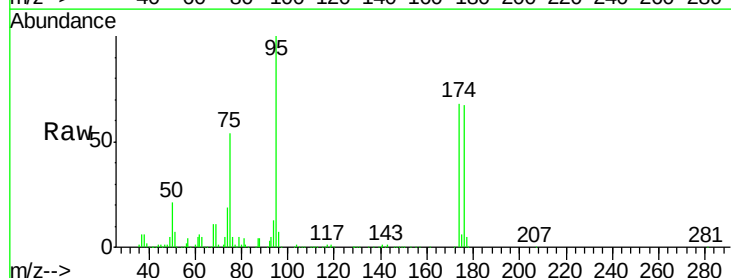
Tgt Ion: 95 Resp: 336373

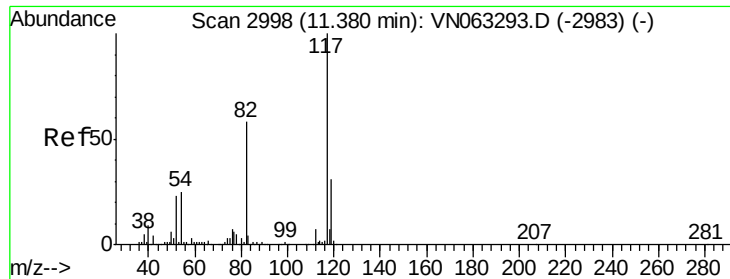
Ion Ratio Lower Upper

95 100

174 70.0 0.0 136.6

176 67.1 0.0 132.8





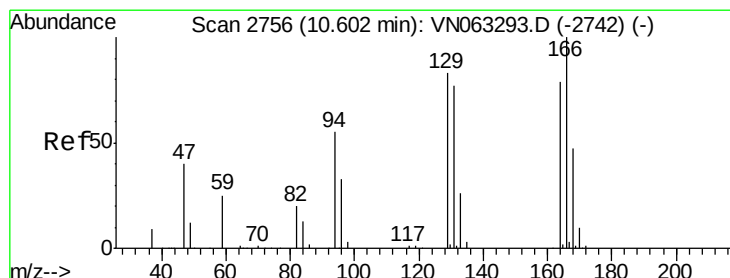
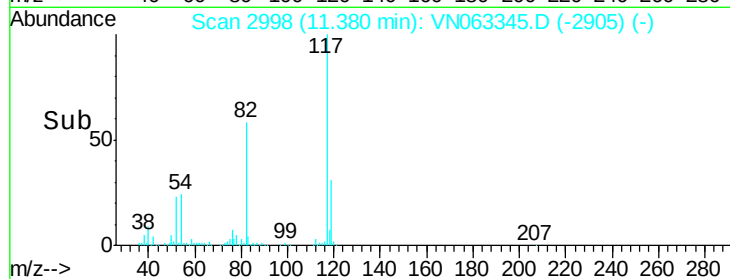
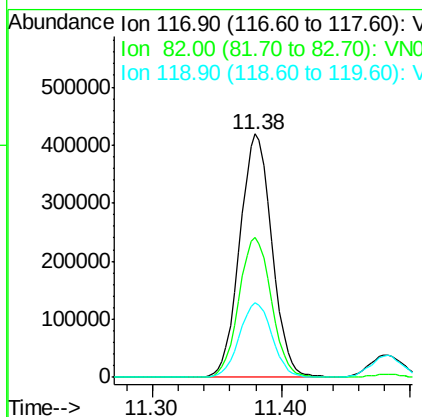
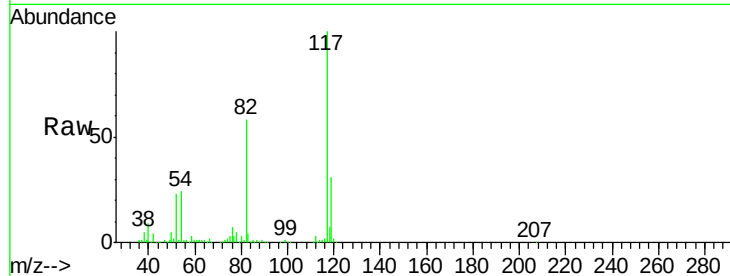
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.4	69.6
119	30.6	24.8	37.2

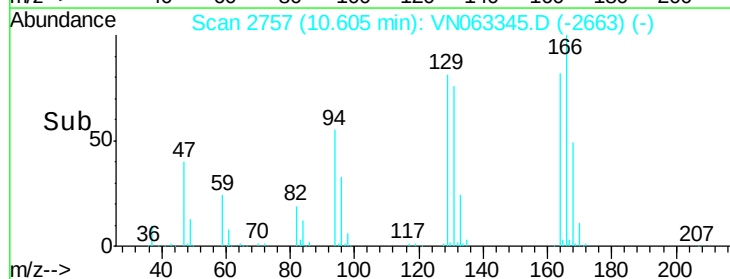
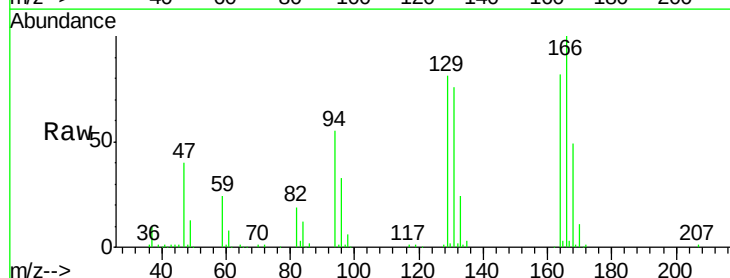
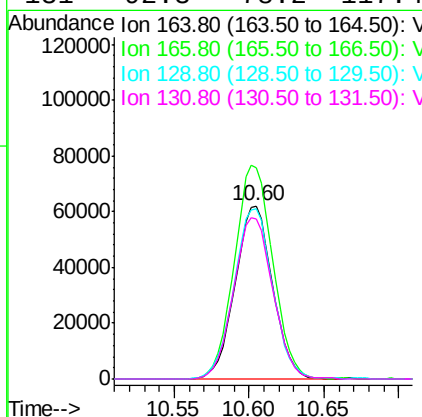
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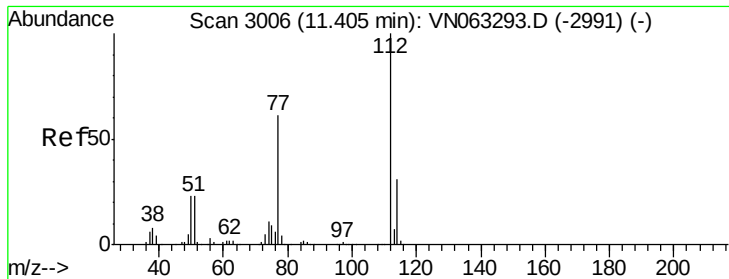
MMDadoda
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#64
Tetrachloroethene
Concen: 18.156 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.3	101.3	151.9
129	98.5	83.7	125.5
131	92.3	78.2	117.4





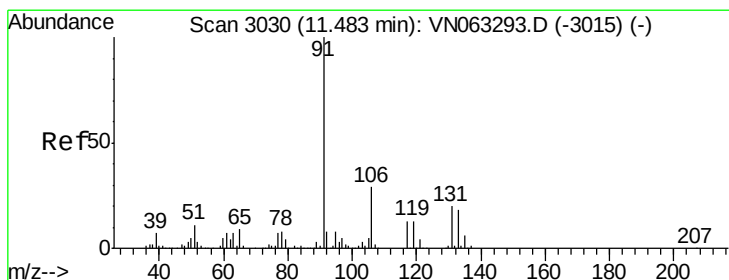
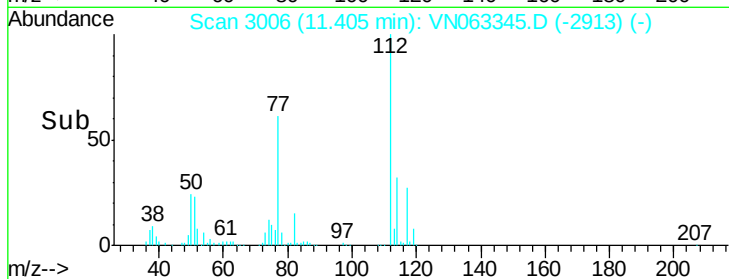
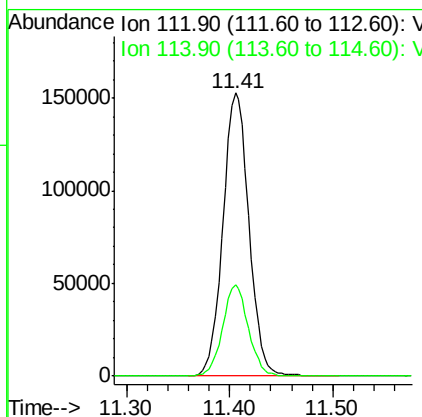
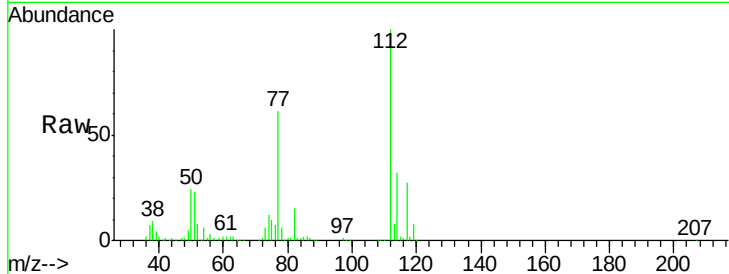
#65
Chlorobenzene
Concen: 17.136 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	268509		
114	32.3		24.6	36.8

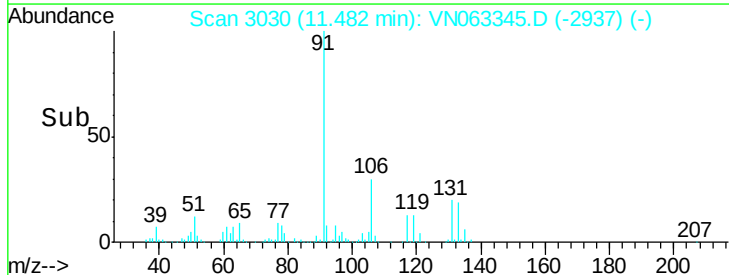
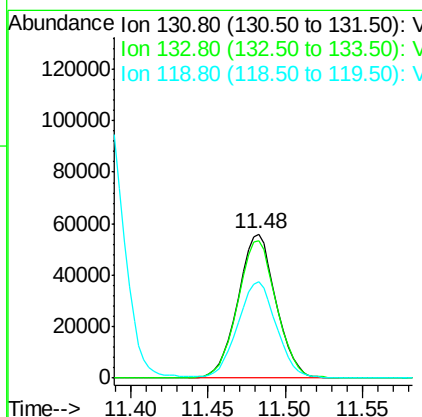
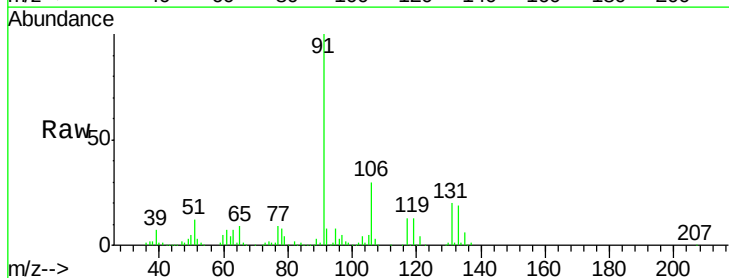
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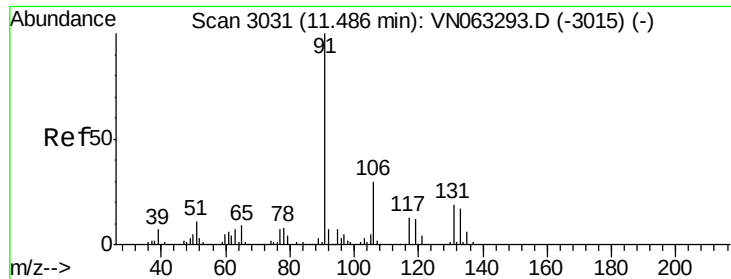
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 16.776 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	95776		
133	97.3		47.4	142.2
119	68.1		33.8	101.3





#67

Ethyl Benzene

Concen: 17.347 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion: 91 Resp: 487976

Ion Ratio Lower Upper

91 100

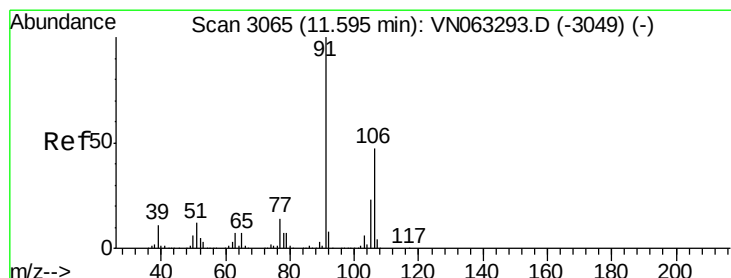
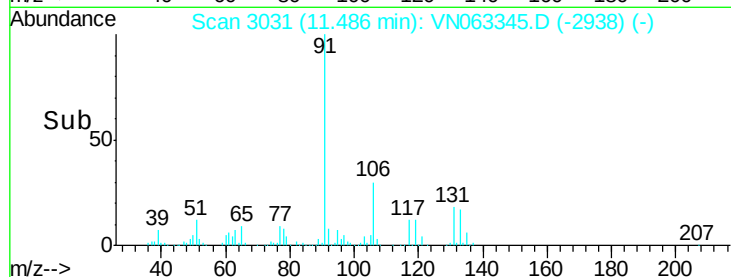
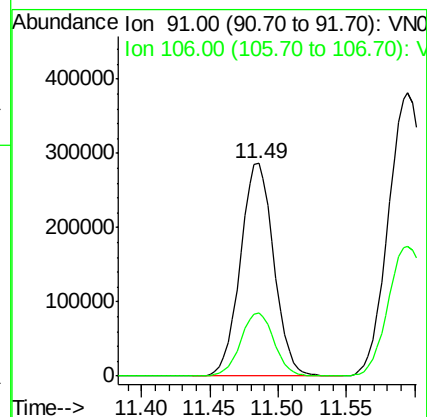
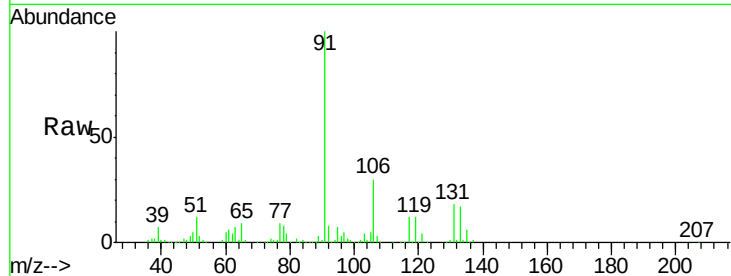
106 29.8 23.8 35.6

Manual Integrations

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9/15/2020 12:15:34 PM



#68

m/p-Xylenes

Concen: 33.901 ug/l

RT: 11.60 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN063345.D

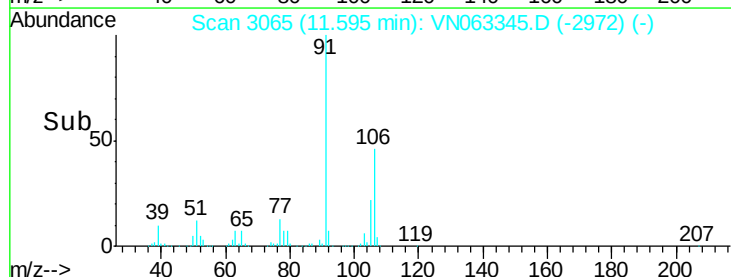
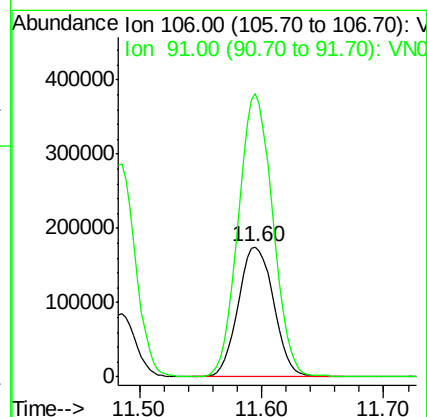
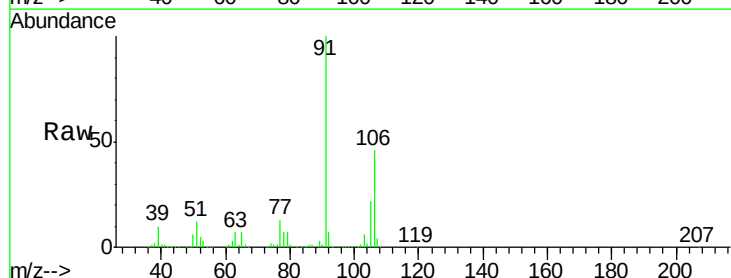
Acq: 14 Sep 2020 16:07

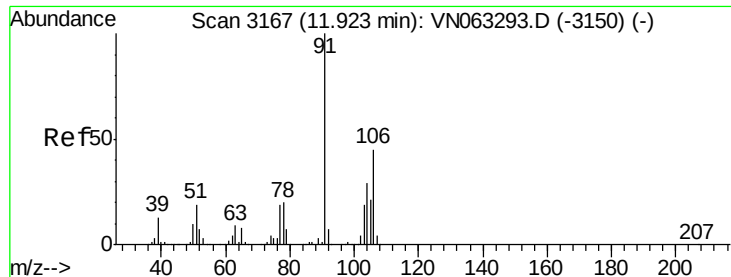
Tgt Ion: 106 Resp: 352758

Ion Ratio Lower Upper

106 100

91 211.5 169.8 254.8





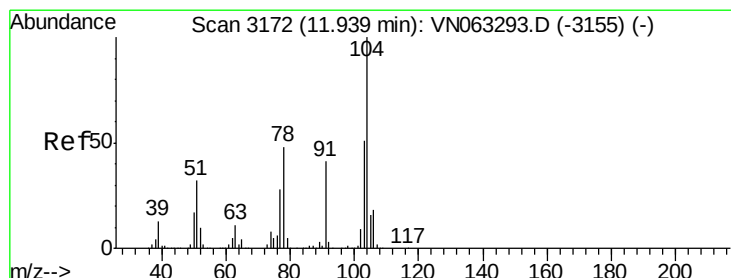
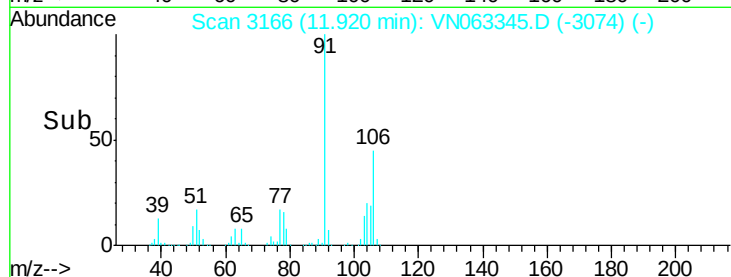
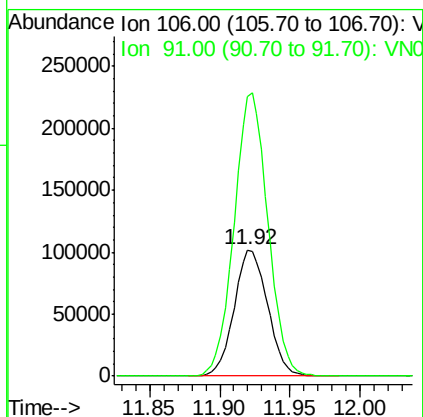
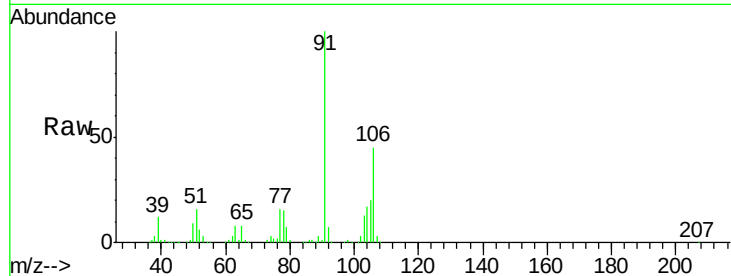
#69
o-Xylene
Concen: 16.984 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	169605		
91	91	225.9	111.5	334.4	

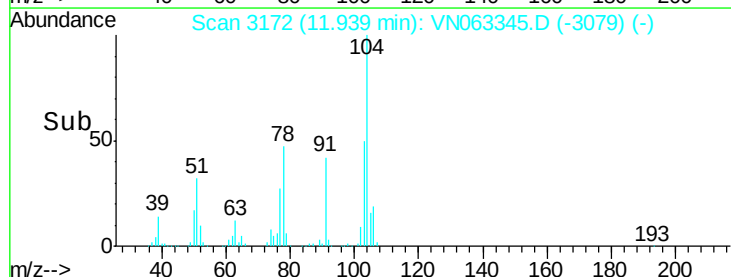
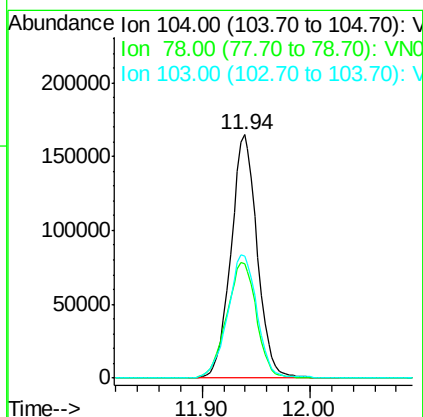
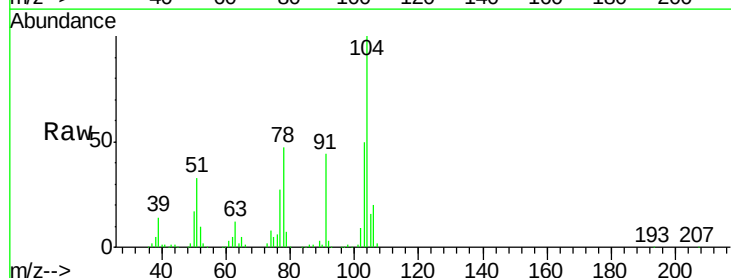
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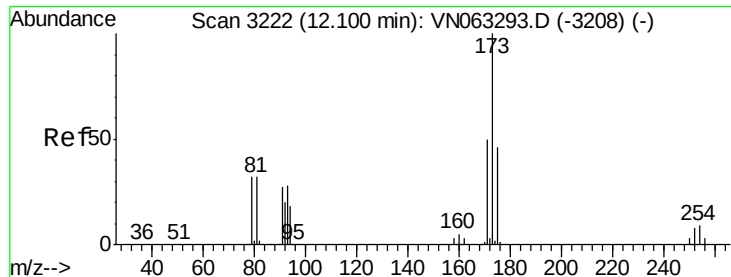
MMDadoda
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#70
Styrene
Concen: 16.929 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	280975		
78	78	53.7	42.9	64.3	
103	103	56.0	44.2	66.2	





#71

Bromoform

Concen: 16.863 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

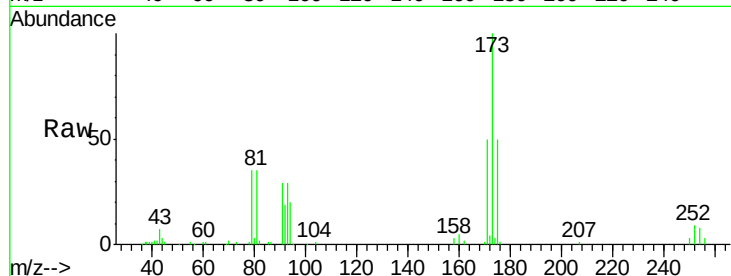
ClientSampleId :

VN0914WBSD01

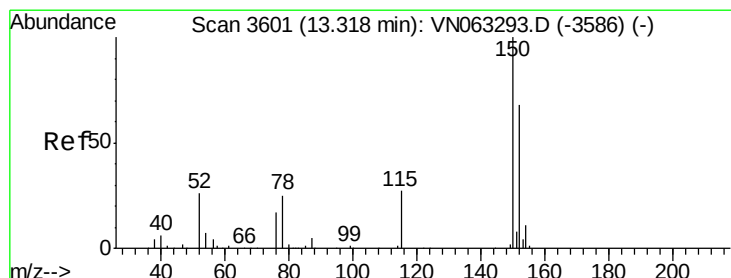
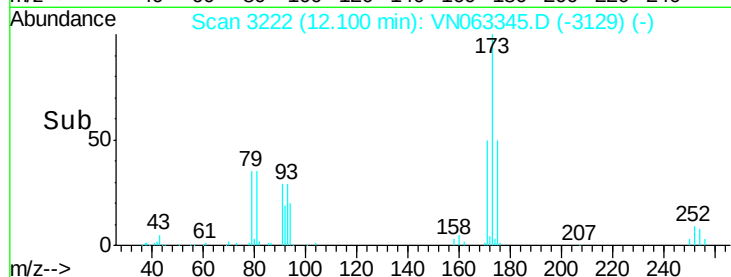
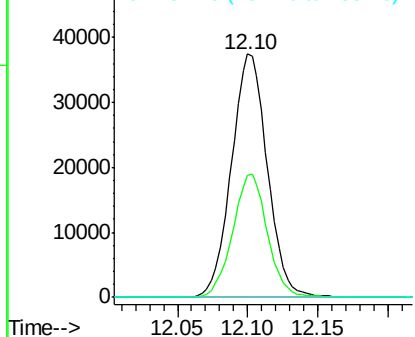
Tot Ion:	173	Resp:	66589
Ion Ratio	Lower	Upper	
173	100		
175	48.8	23.8	71.5
254	0.0	0.0	0.0

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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

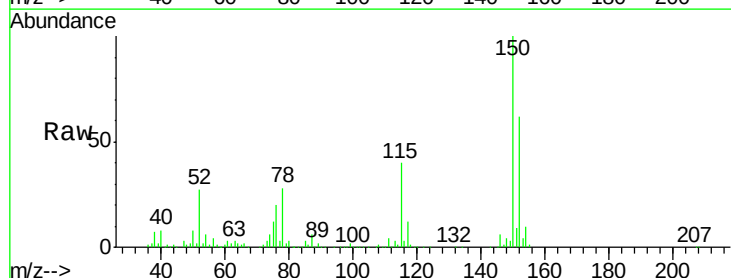
RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

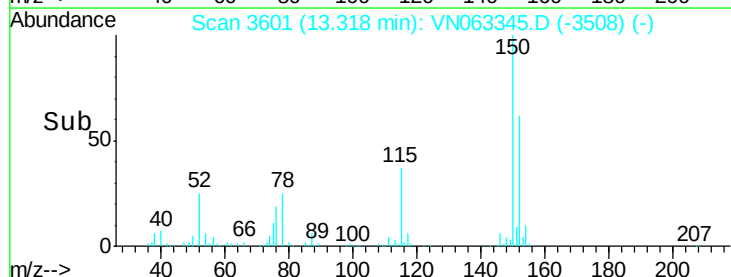
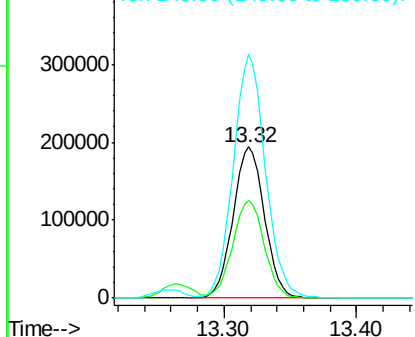
Lab File: VN063345.D

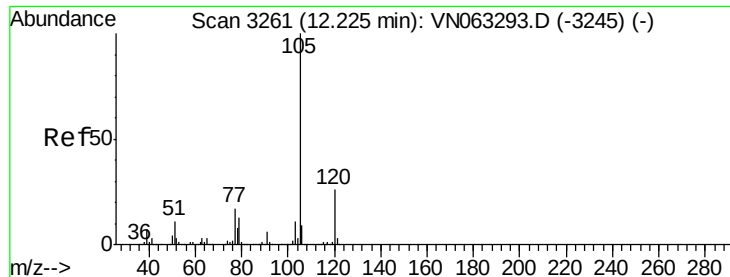
Acq: 14 Sep 2020 16:07

Tgt Ion:	152	Resp:	319530
Ion Ratio	Lower	Upper	
152	100		
115	64.6	31.5	94.5
150	164.2	0.0	344.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.566 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion:105 Resp: 452729

Ion Ratio Lower Upper

105 100

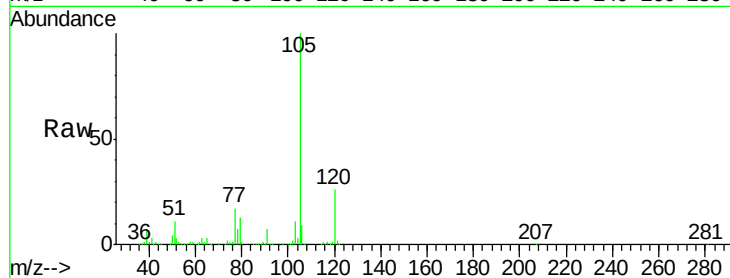
120 25.9 13.0 38.9

Manual Integrations

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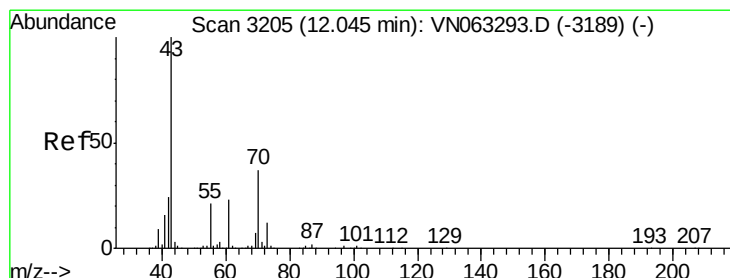
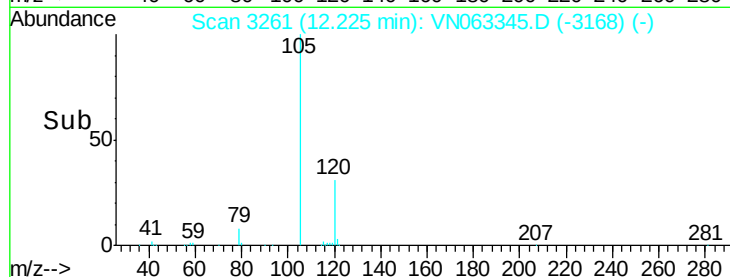
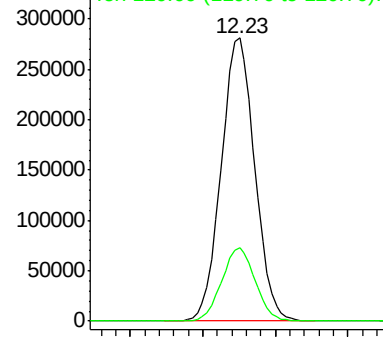
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.155 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Tgt Ion: 43 Resp: 192099

Ion Ratio Lower Upper

43 100

70 36.7 29.3 43.9

55 22.9 17.0 25.6

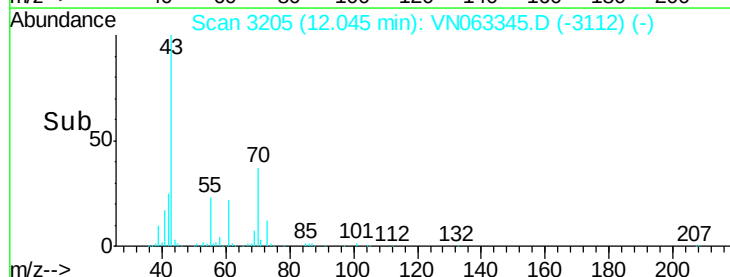
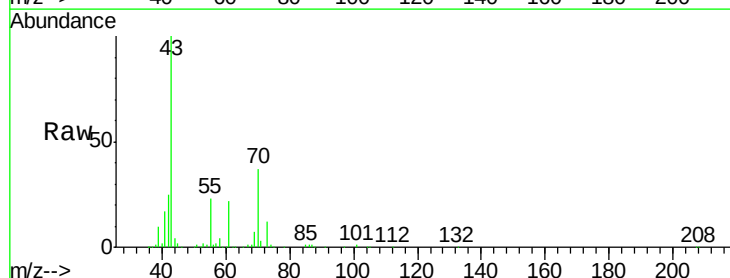
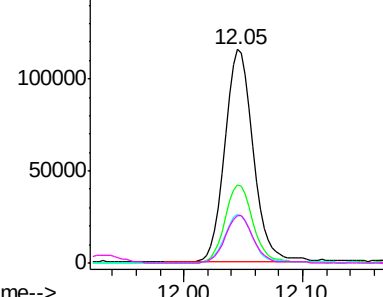
61 22.1 17.8 26.6

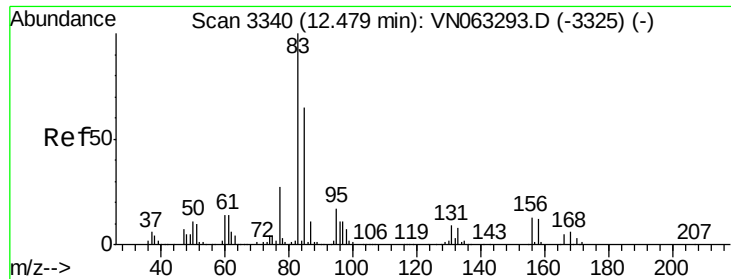
Abundance Ion 43.00 (42.70 to 43.70): V

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: 18.149 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

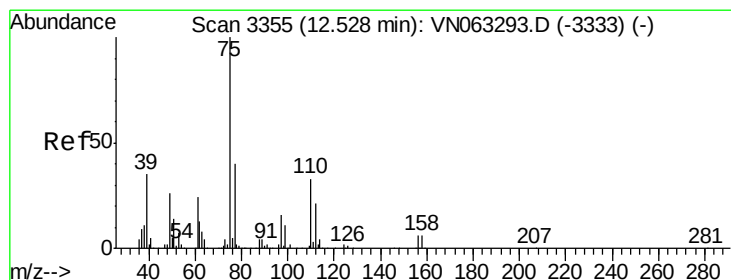
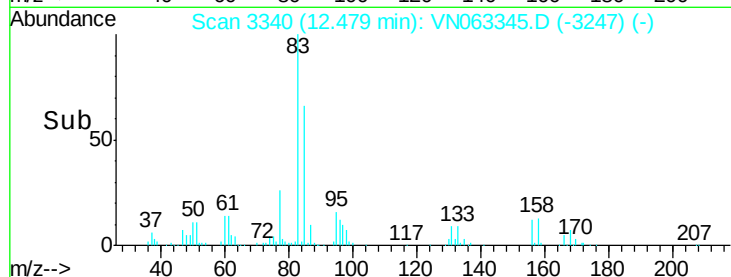
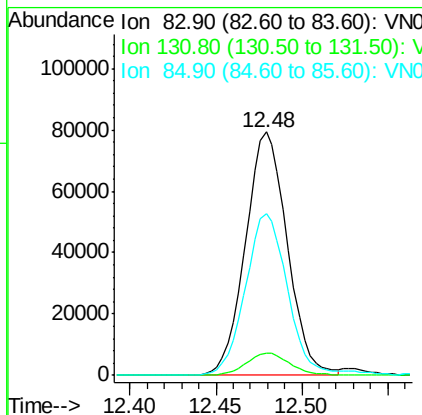
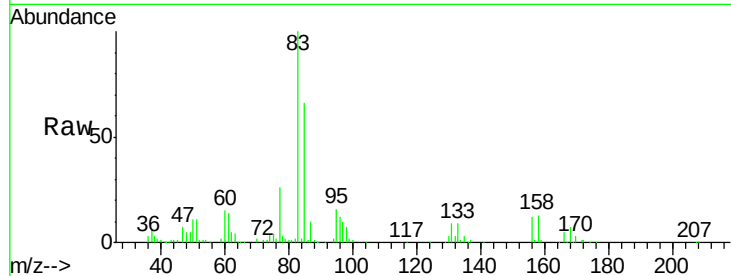
ClientSampleId :

VN0914WBSD01

Tot Ion:	83	Resp:	133963
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.1
85	67.8	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 18.461 ug/l m

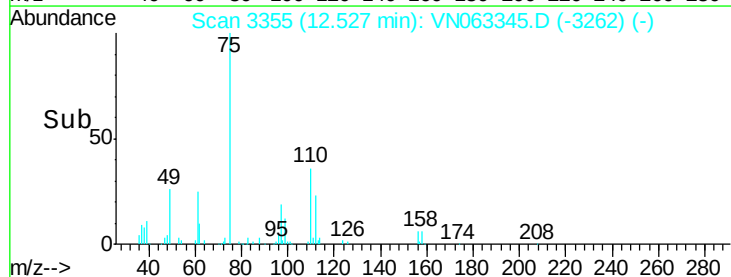
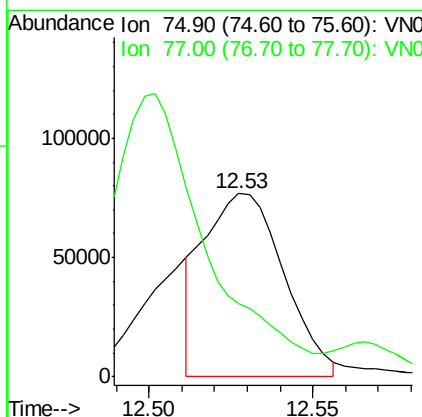
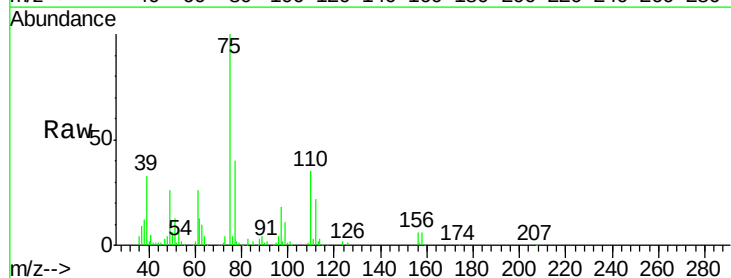
RT: 12.53 min Scan# 3355

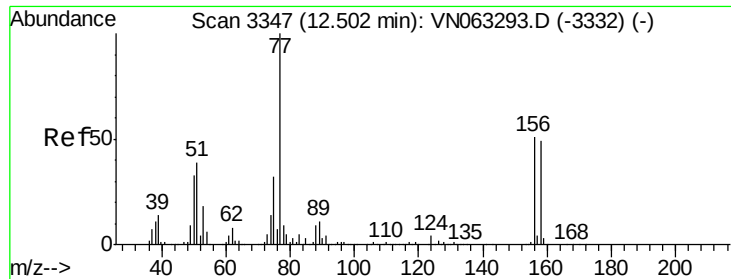
Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Tgt Ion:	75	Resp:	130136
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.587 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

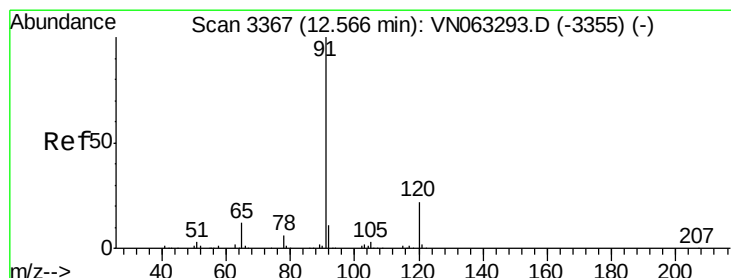
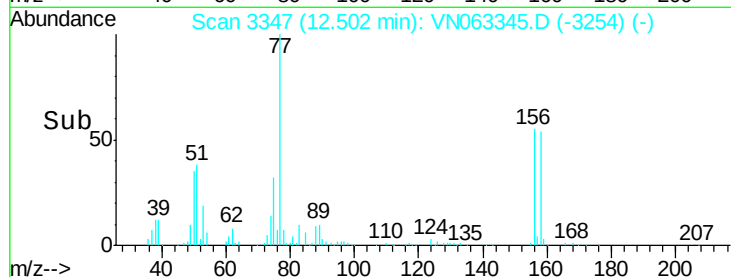
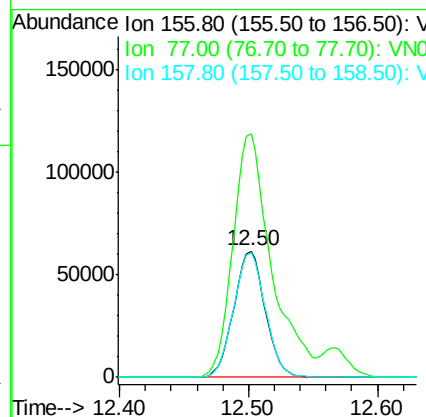
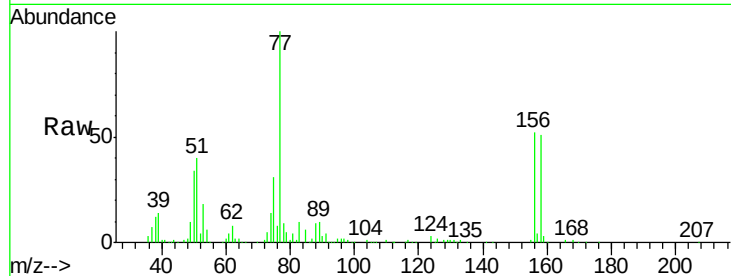
ClientSampleId :

VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	237.4	117.4	352.2
158	99.9	48.8	146.4

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#78

n-propylbenzene

Concen: 17.964 ug/l

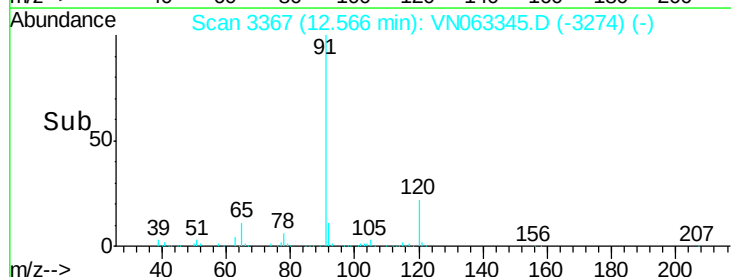
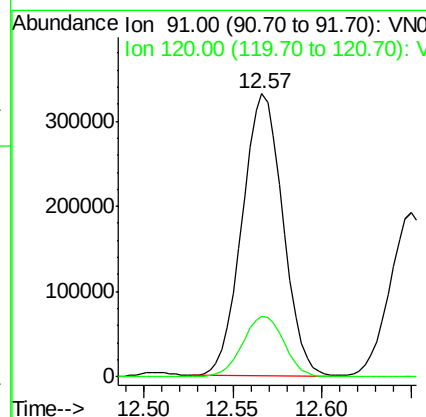
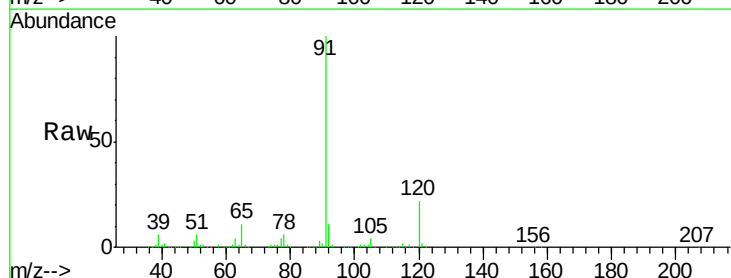
RT: 12.57 min Scan# 3367

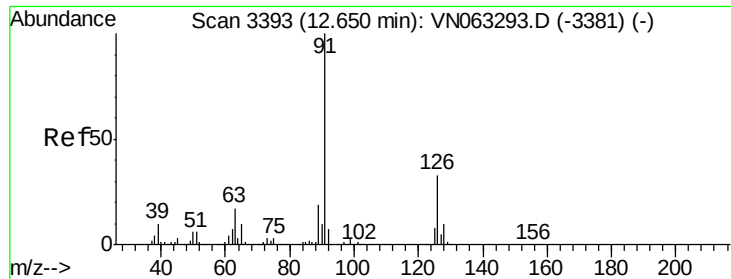
Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.3





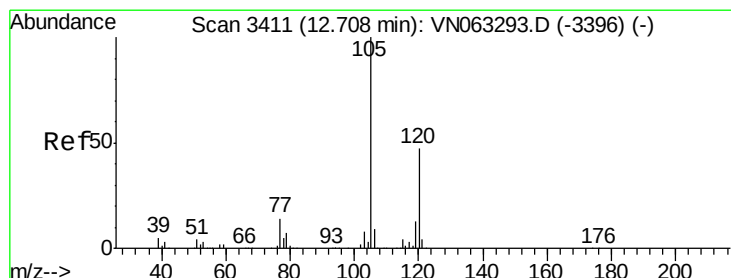
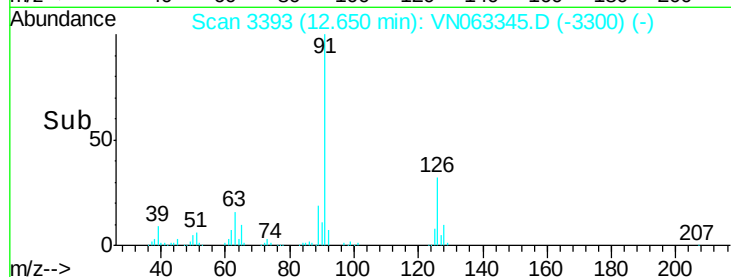
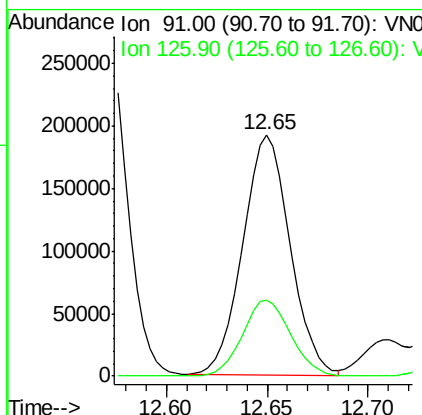
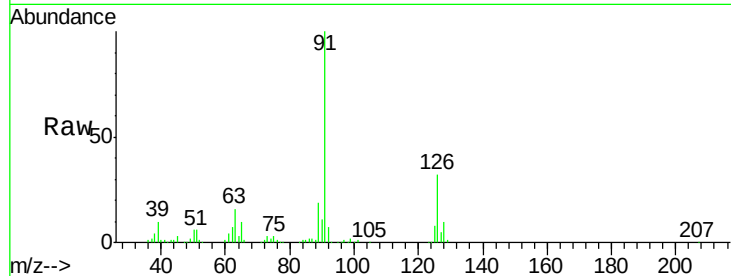
#79
 2-Chlorotoluene
 Concen: 17.497 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion: 91 Resp: 314995
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.3 48.8

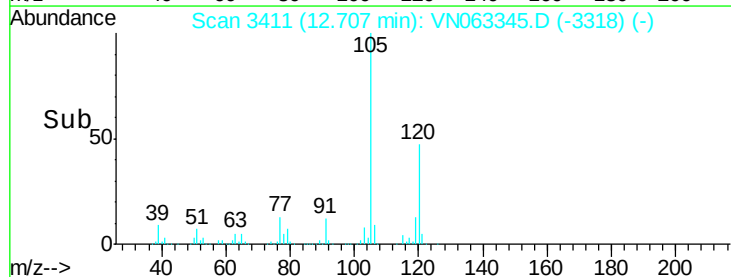
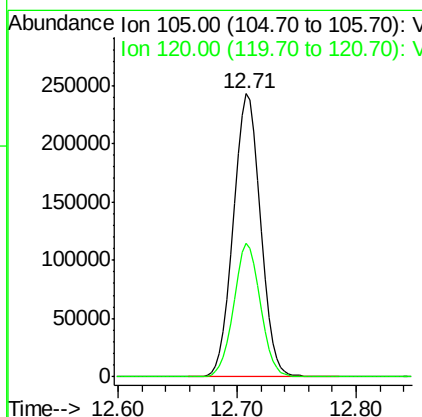
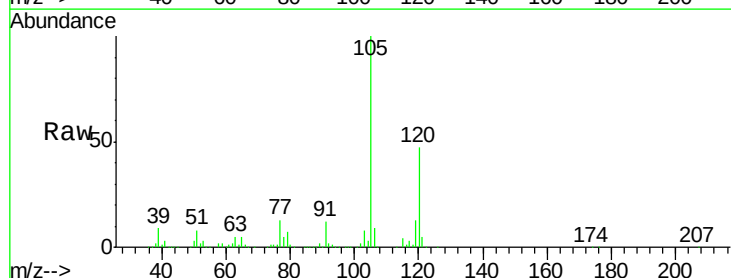
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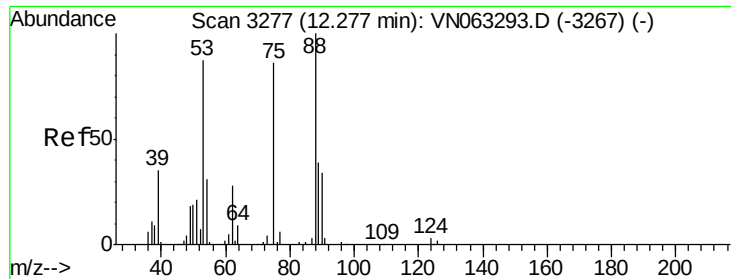
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.022 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Tgt Ion: 105 Resp: 385686
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.985 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

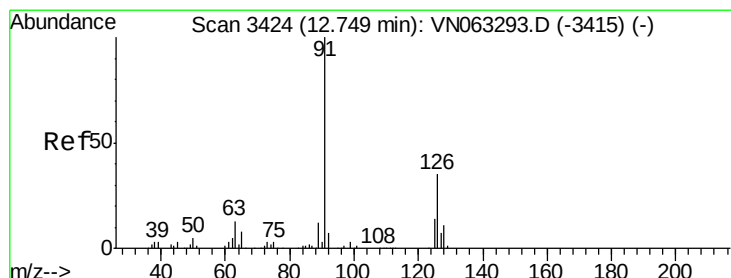
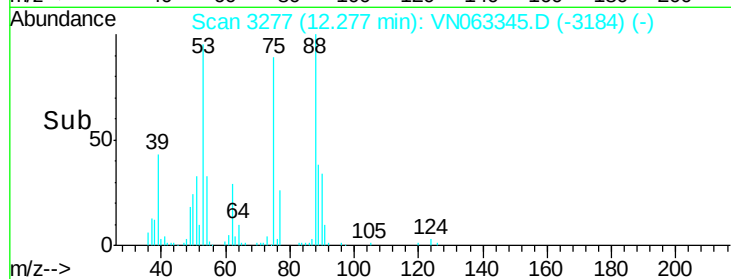
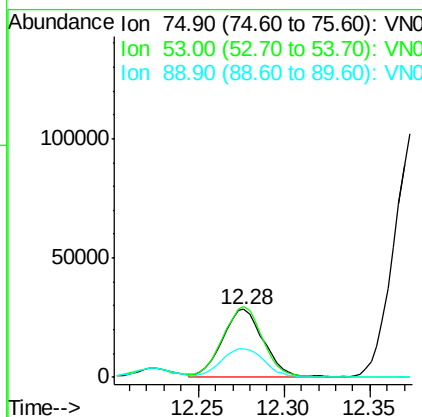
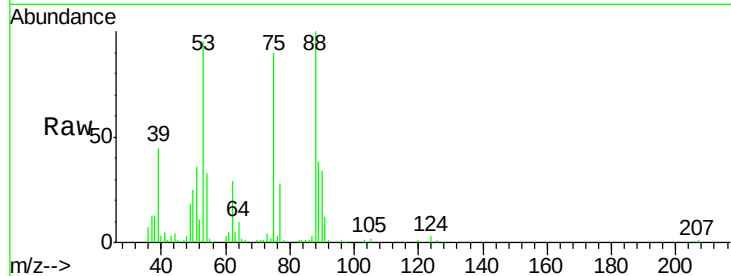
ClientSampleId :

VN0914WBSD01

Tot Ion:	75	Resp:	47187
Ion	Ratio	Lower	Upper
75	100		
53	99.9	81.8	122.8
89	43.8	36.7	55.1

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#82

4-Chlorotoluene

Concen: 17.391 ug/l

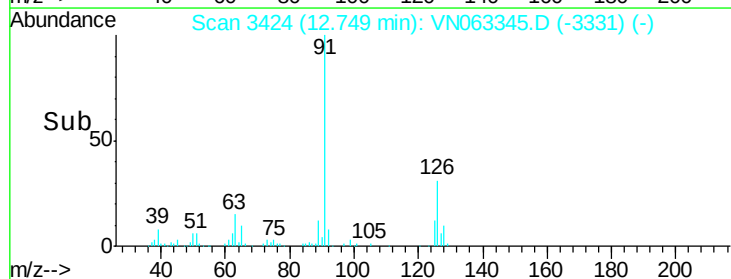
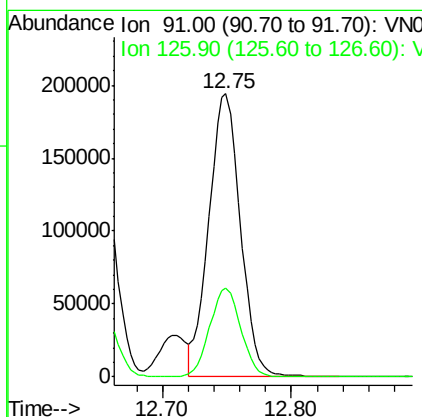
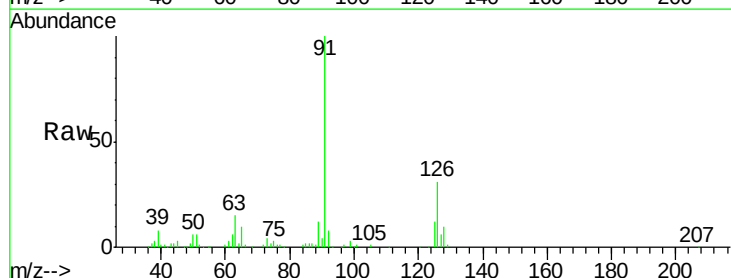
RT: 12.75 min Scan# 3424

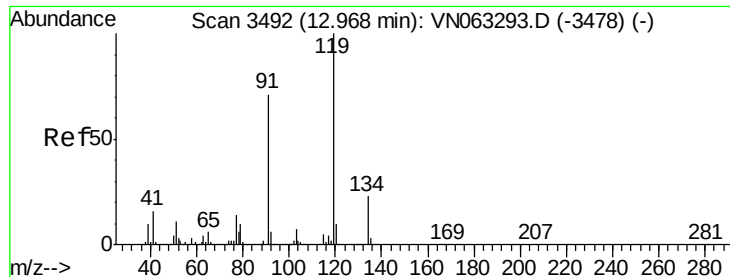
Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Tgt Ion:	91	Resp:	328200
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.9	47.7





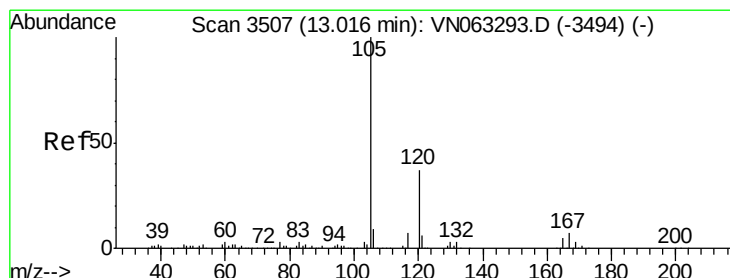
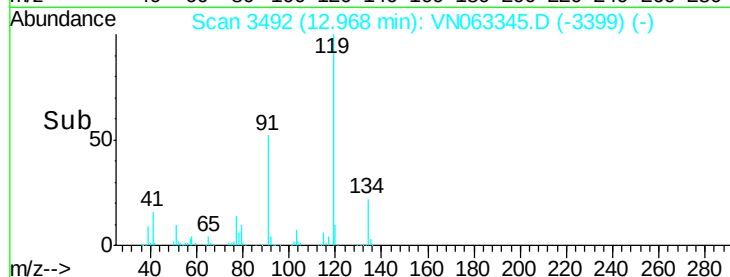
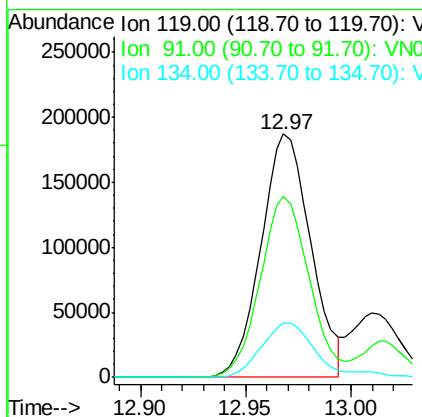
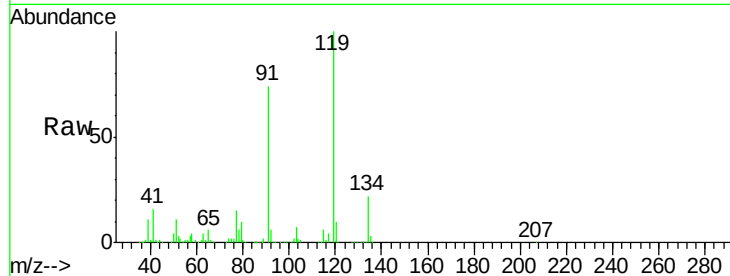
#83
 tert-Butylbenzene
 Concen: 16.951 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.2	34.8	104.3
134	23.2	11.9	35.5

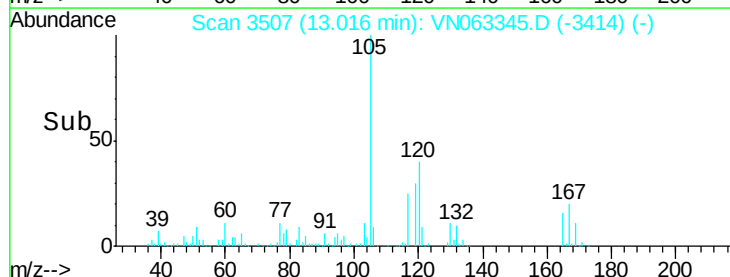
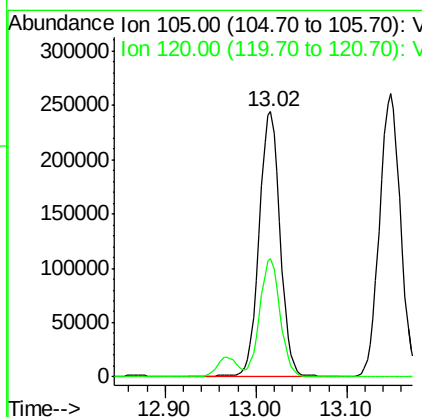
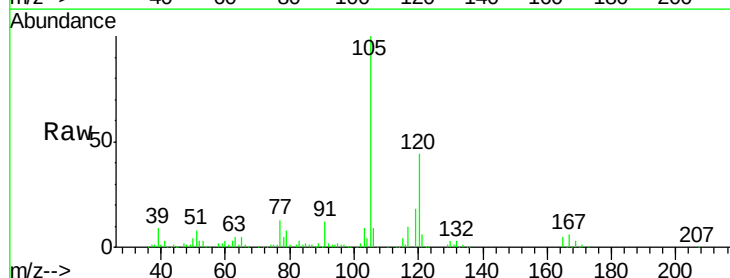
Manual Integrations
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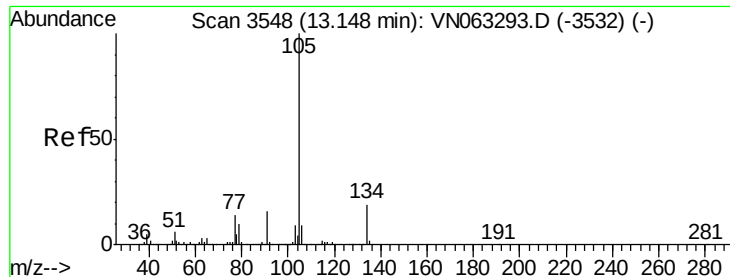
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.175 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.8	65.4





#85

sec-Butylbenzene

Concen: 18.076 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion:105 Resp: 417405

Ion Ratio Lower Upper

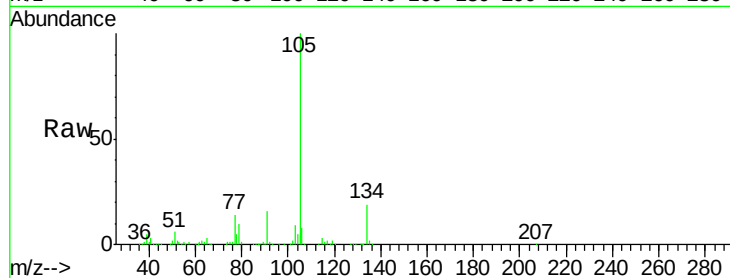
105 100

134 18.5 9.4 28.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

250000

200000

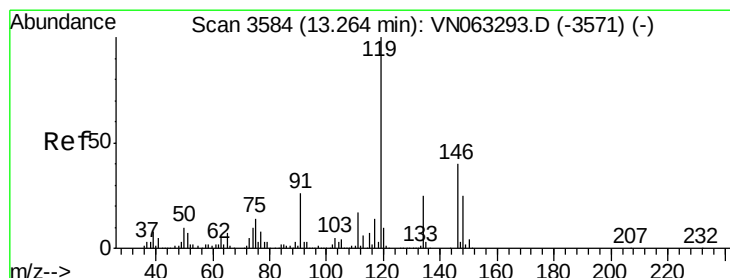
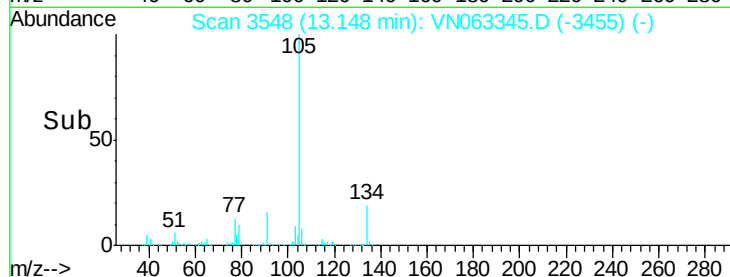
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 17.643 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

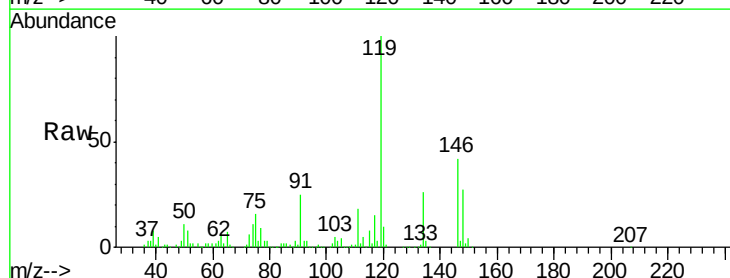
Tgt Ion:119 Resp: 373488

Ion Ratio Lower Upper

119 100

134 25.8 12.6 37.8

91 25.2 12.8 38.3



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

13.26

300000

250000

200000

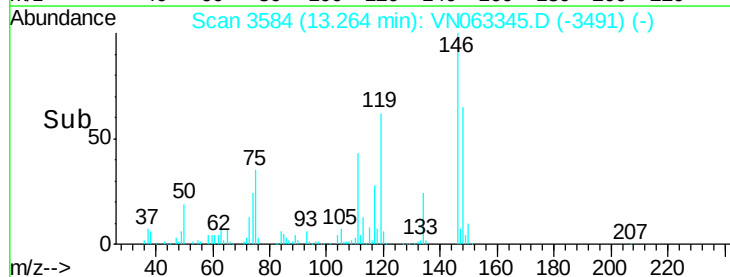
150000

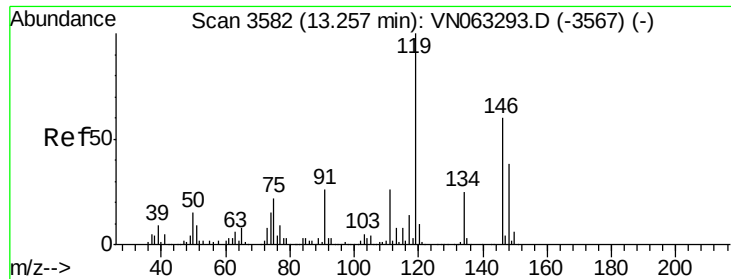
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 17.318 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

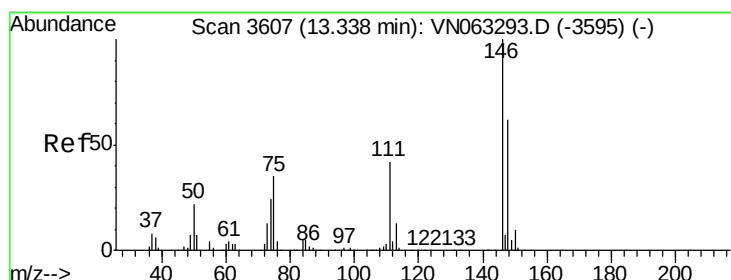
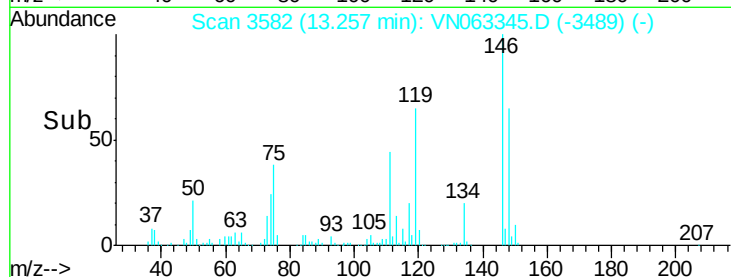
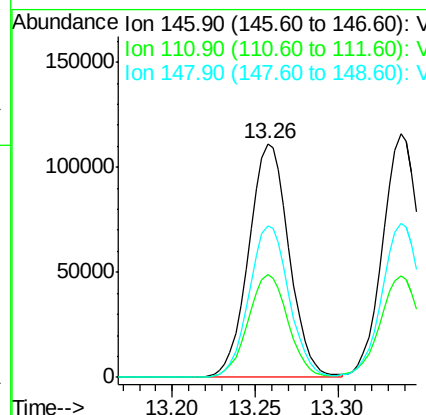
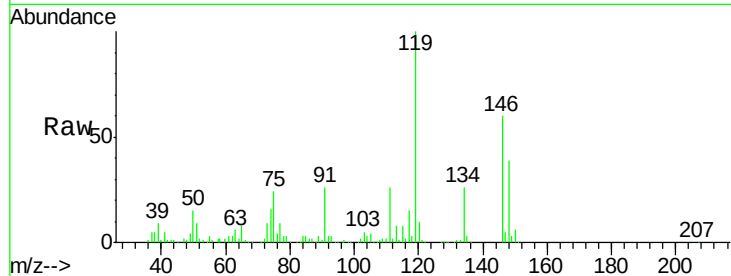
ClientSampleId :

VN0914WBSD01

Tot Ion:	146	Resp:	187568
Ion Ratio	Lower	Upper	
146	100		
111	43.6	21.8	65.4
148	64.2	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 17.271 ug/l

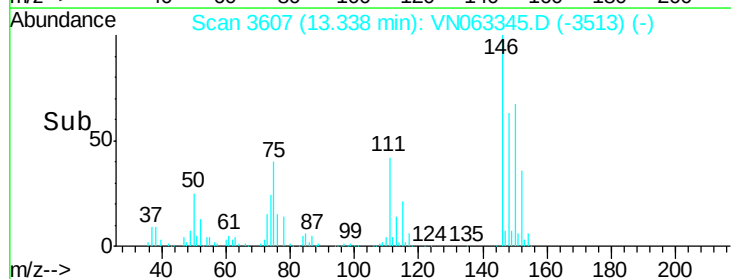
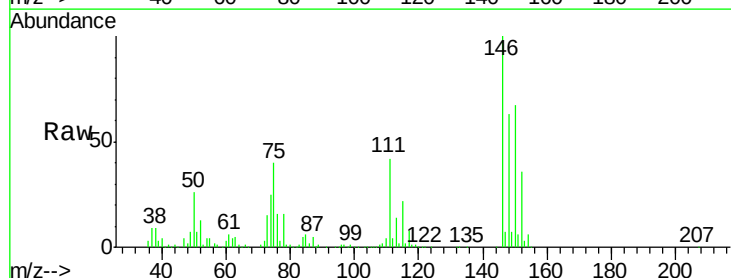
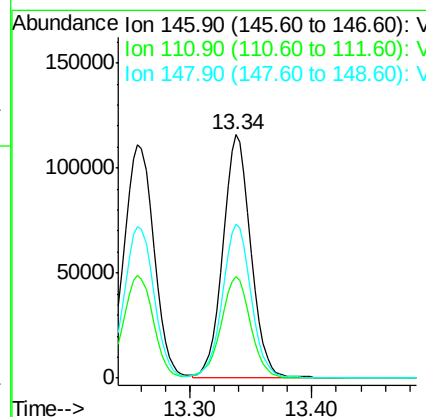
RT: 13.34 min Scan# 3607

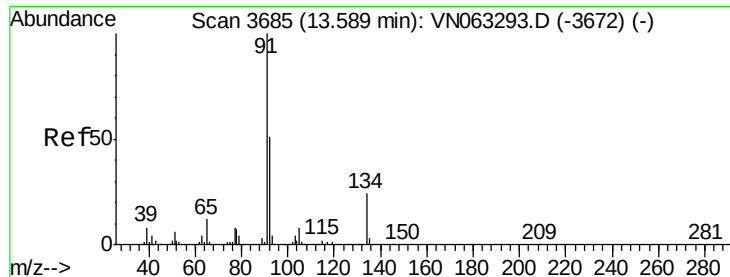
Delta R.T. 0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Tgt Ion:	146	Resp:	185779
Ion Ratio	Lower	Upper	
146	100		
111	43.8	21.3	64.0
148	65.9	31.5	94.5





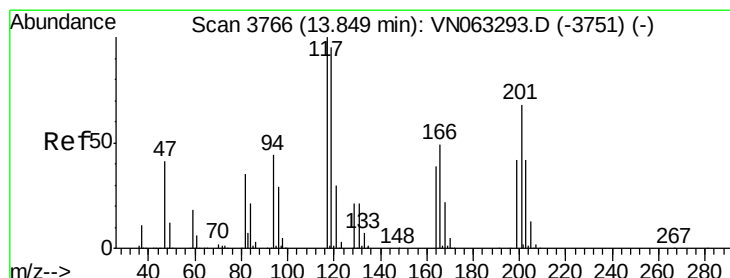
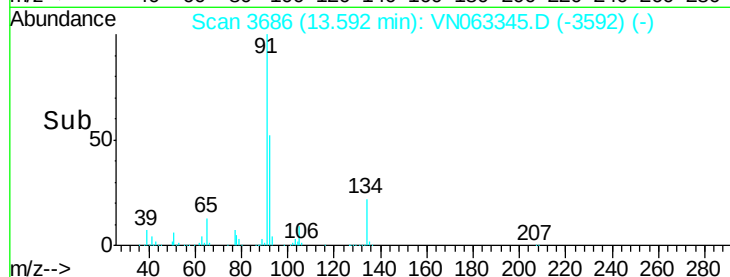
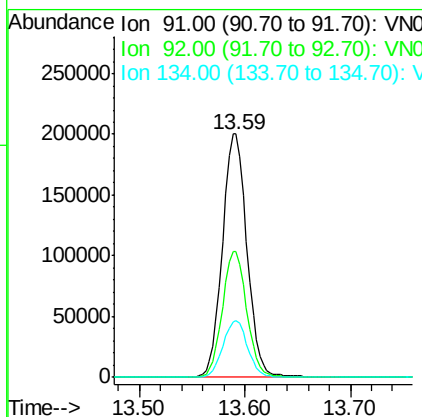
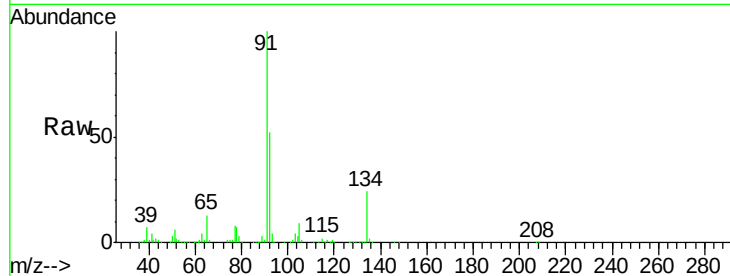
#89
n-Butylbenzene
Concen: 16.916 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.8	77.3
134	23.3	12.0	36.0

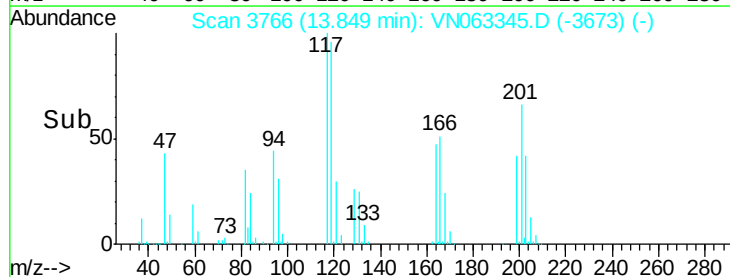
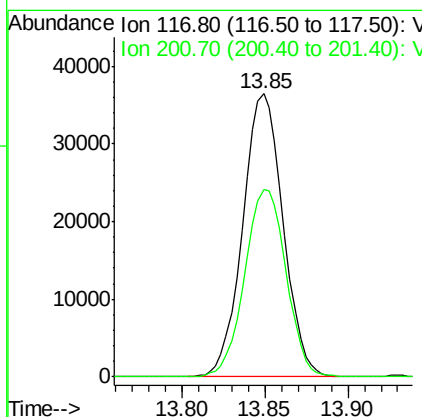
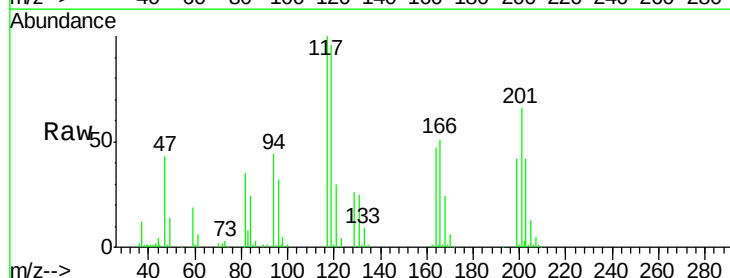
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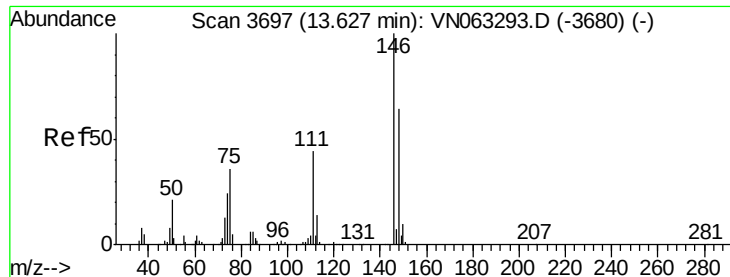
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#90
Hexachloroethane
Concen: 17.696 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.9	33.5	100.4





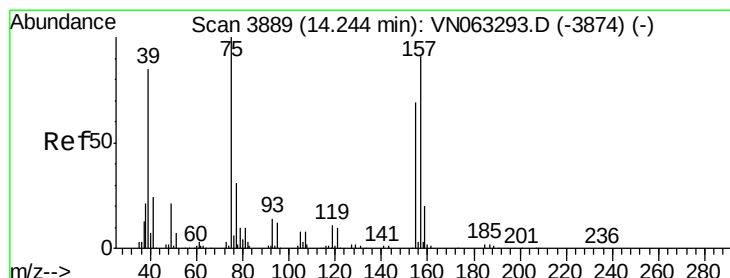
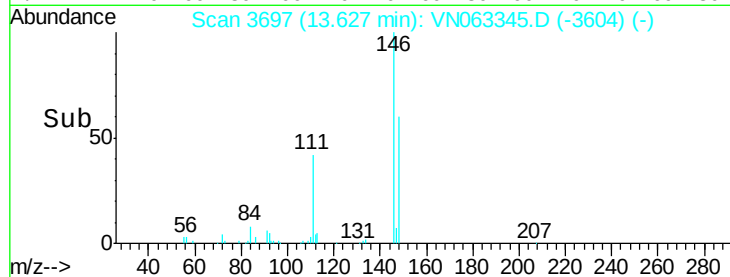
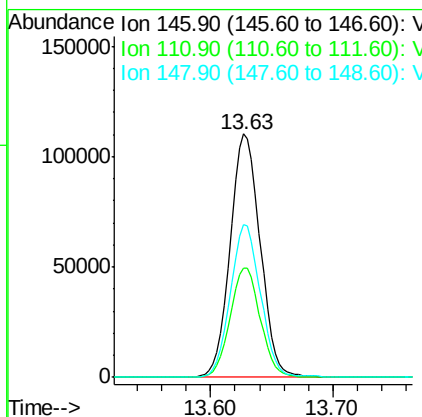
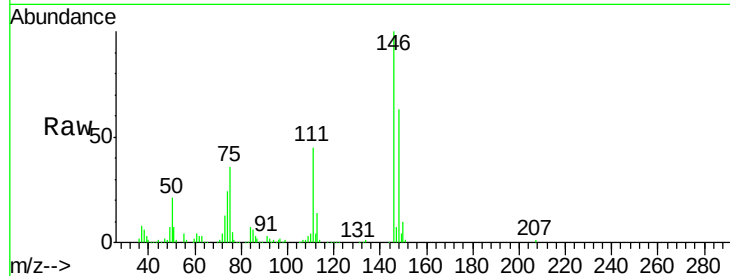
#91
 1,2-Dichlorobenzene
 Concen: 17.662 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.1	66.5
148	62.9	31.8	95.3

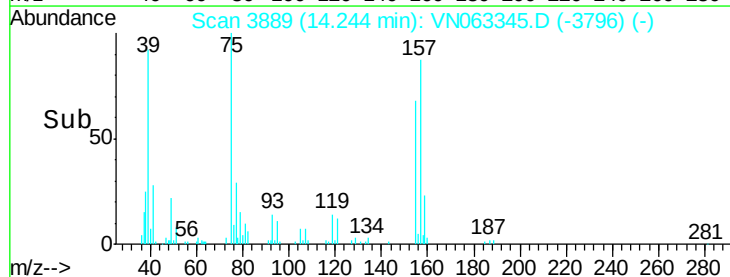
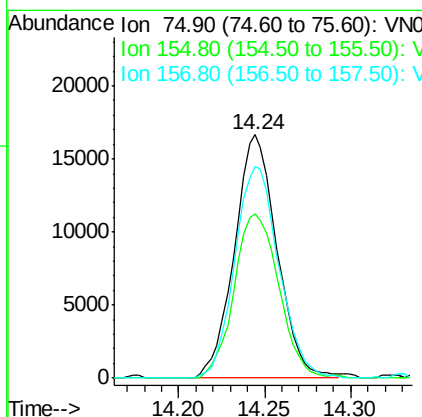
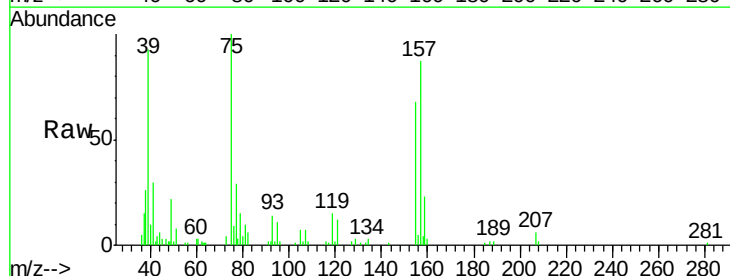
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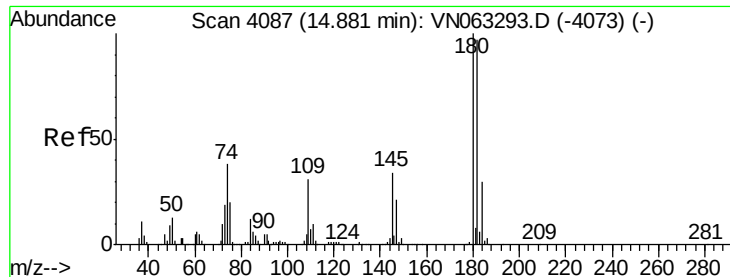
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.094 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.1	35.3	105.7
157	90.3	46.7	140.0





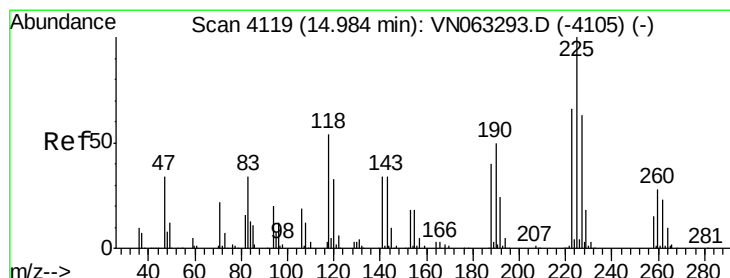
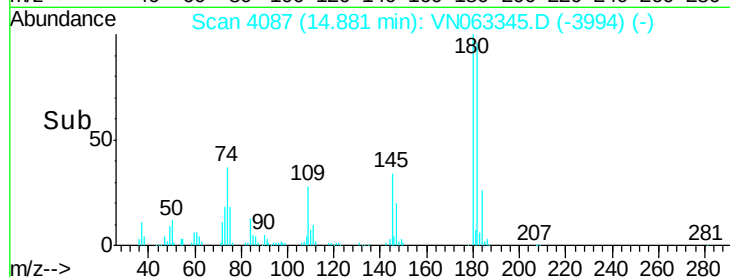
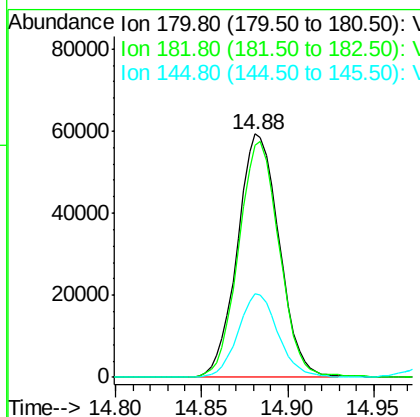
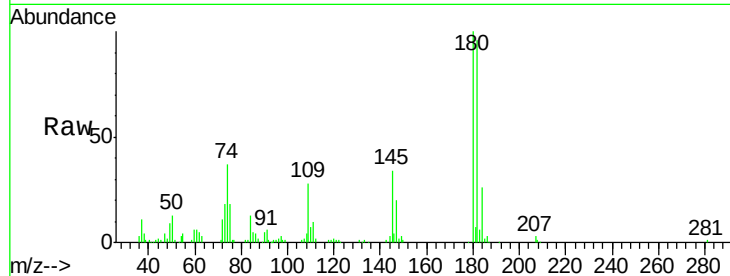
#93
 1,2,4-Trichlorobenzene
 Concen: 15.961 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	100009		
182	94.8	48.0	144.2	
145	32.7	16.6	49.8	

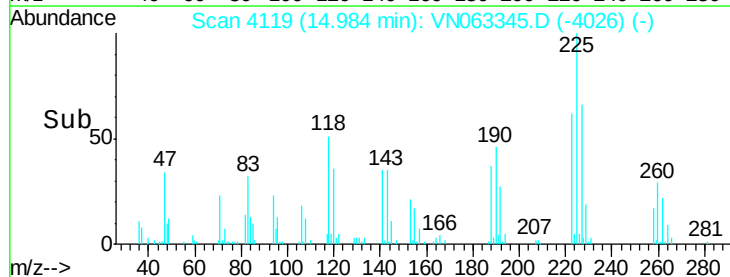
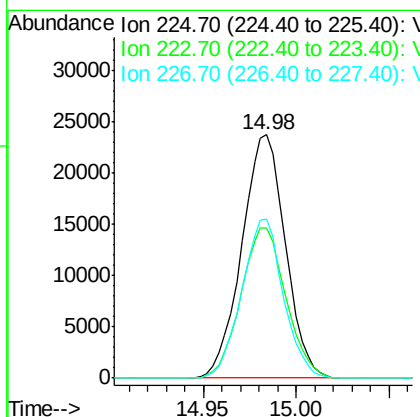
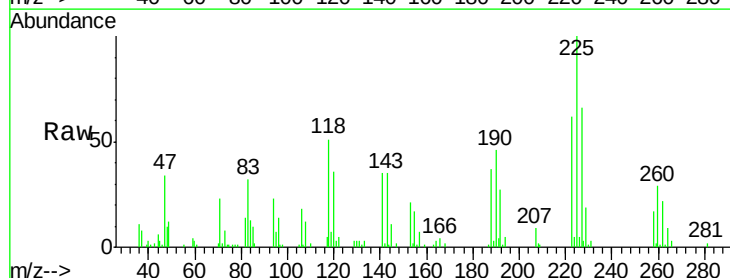
Manual Integrations
 APPROVED

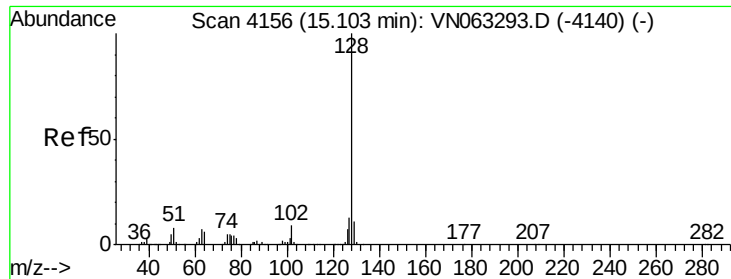
MMDadoda
 9/15/2020 12:15:34 PM



#94
 Hexachlorobutadiene
 Concen: 16.279 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	38701		
223	63.7	31.3	93.9	
227	62.3	31.2	93.6	





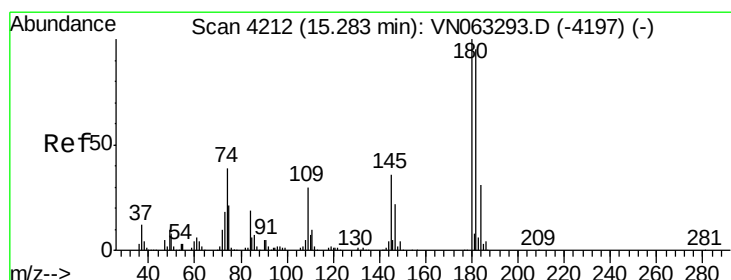
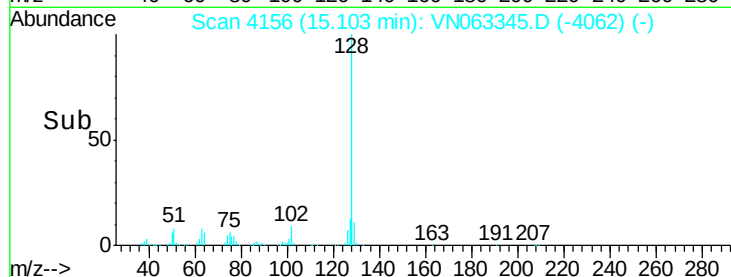
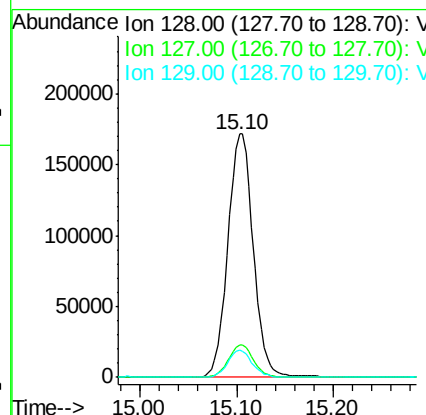
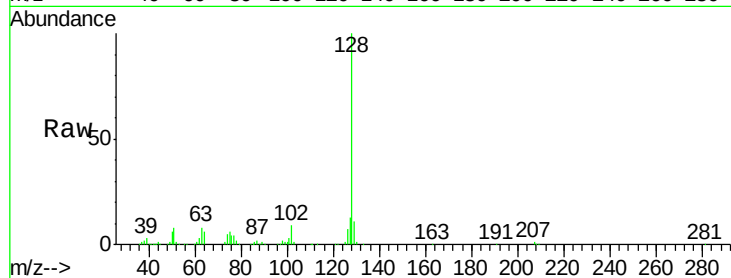
#95
Naphthalene
Concen: 16.292 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	313557		
127	13.1		10.3	15.5
129	10.8		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/15/2020 12:15:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 16.684 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	96972		
182	93.6		47.4	142.3
145	34.1		17.2	51.6

