

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082419\
 Data File : VN057478.D
 Acq On : 23 Aug 2019 17:54
 Operator : JC/SP
 Sample : VN0824WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 1:13:11 PM

Quant Time: Aug 26 05:29:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	351648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	642553	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	541294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	175470	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	315639	51.03	ug/l	0.00
Spiked Amount						
			Recovery	=	102.06%	
35) Dibromofluoromethane	7.58	113	213601	49.21	ug/l	0.00
Spiked Amount						
			Recovery	=	98.42%	
50) Toluene-d8	10.08	98	807316	49.19	ug/l	0.00
Spiked Amount						
			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	12.40	95	243982	43.87	ug/l	0.00
Spiked Amount						
			Recovery	=	87.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	79073	19.055	ug/l	98
3) Chloromethane	2.05	50	105486	17.798	ug/l	96
4) Vinyl Chloride	2.17	62	133494	18.505	ug/l	100
5) Bromomethane	2.55	94	87459	19.673	ug/l	96
6) Chloroethane	2.69	64	85884	18.508	ug/l	98
7) Trichlorofluoromethane	3.00	101	205733	18.373	ug/l	99
8) Diethyl Ether	3.39	74	75499	19.145	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	113810	19.780	ug/l	100
10) Methyl Iodide	3.92	142	94471	20.662	ug/l	97
11) Tert butyl alcohol	4.79	59	65123	84.731	ug/l	95
12) 1,1-Dichloroethene	3.71	96	110159	18.404	ug/l	97
13) Acrolein	3.58	56	53682	79.431	ug/l	99
14) Allyl chloride	4.29	41	144013	18.190	ug/l	99
15) Acrylonitrile	4.96	53	185682	89.584	ug/l	98
16) Acetone	3.80	43	306146	107.767	ug/l	97
17) Carbon Disulfide	4.02	76	186472	16.332	ug/l	99
18) Methyl Acetate	4.30	43	113017	17.821	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	244426	16.917	ug/l	98
20) Methylene Chloride	4.52	84	77167	18.274	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	70752	16.751	ug/l	98
22) Diisopropyl ether	5.94	45	309187	18.206	ug/l	95
23) Vinyl Acetate	5.87	43	1169019	88.133	ug/l	100
24) 1,1-Dichloroethane	5.82	63	160854	17.872	ug/l	97
25) 2-Butanone	6.82	43	271489	88.010	ug/l	99
26) 2,2-Dichloropropane	6.80	77	133564	17.137	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	87779	17.532	ug/l	98
28) Bromochloromethane	7.17	49	99715	20.574	ug/l	95
29) Tetrahydrofuran	7.20	42	180905	88.937	ug/l	100
30) Chloroform	7.36	83	155021	18.610	ug/l	96
31) Cyclohexane	7.63	56	164026	18.876	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	134200	17.383	ug/l	98
36) 1,1-Dichloropropene	7.78	75	115412	17.578	ug/l	98
37) Ethyl Acetate	6.92	43	117954	18.181	ug/l	99
38) Carbon Tetrachloride	7.76	117	109189	16.740	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	142112	18.225	ug/l	97
40) Benzene	8.03	78	343091	17.410	ug/l	97
41) Methacrylonitrile	7.16	41	49254	15.921	ug/l	97
42) 1,2-Dichloroethane	8.11	62	131384	17.316	ug/l	100
43) Isopropyl Acetate	8.16	43	206399	17.350	ug/l	98
44) Trichloroethene	8.82	130	79847	18.152	ug/l	88
45) 1,2-Dichloropropane	9.11	63	98450	17.739	ug/l	99
46) Dibromomethane	9.20	93	57604	17.463	ug/l	98
47) Bromodichloromethane	9.39	83	122101	16.676	ug/l	94
48) Methyl methacrylate	9.19	41	99532	17.595	ug/l	98
49) 1,4-Dioxane	9.20	88	24812	339.192	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	570293	86.019	ug/l	99
52) Toluene	10.15	92	201760	17.764	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	123991	16.167	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	138581	16.229	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	78445	17.079	ug/l	97
56) Ethyl methacrylate	10.43	69	124938	17.292	ug/l	98
57) 1,3-Dichloropropane	10.70	76	140373	17.560	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	221882	119.802	ug/l	99
59) 2-Hexanone	10.75	43	392065	86.219	ug/l	100
60) Dibromochloromethane	10.90	129	78511	16.175	ug/l	100
61) 1,2-Dibromoethane	11.00	107	74943	16.636	ug/l	97
64) Tetrachloroethene	10.63	164	69653	18.393	ug/l	97
65) Chlorobenzene	11.43	112	186871	17.078	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	72631	17.308	ug/l	97
67) Ethyl Benzene	11.51	91	367441	17.349	ug/l	99
68) m/p-Xylenes	11.62	106	260615	36.183	ug/l	99
69) o-Xylene	11.95	106	127841	17.917	ug/l	99
70) Styrene	11.96	104	193294	17.109	ug/l	97
71) Bromoform	12.13	173	43393	15.297	ug/l #	98
73) Isopropylbenzene	12.25	105	333950	18.997	ug/l	99
74) N-amyl acetate	12.07	43	153882	18.882	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	98402	19.606	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	88263m	20.522	ug/l	
77) Bromobenzene	12.53	156	69105	19.616	ug/l	99
78) n-propylbenzene	12.59	91	364139	18.865	ug/l	100
79) 2-Chlorotoluene	12.68	91	216614	18.694	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	274167	19.327	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	28648	16.054	ug/l	91
82) 4-Chlorotoluene	12.77	91	208496	18.759	ug/l	100
83) tert-Butylbenzene	12.99	119	233248	19.295	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	258281	18.933	ug/l	100
85) sec-Butylbenzene	13.17	105	304306	19.369	ug/l	99
86) p-Isopropyltoluene	13.29	119	245767	17.919	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	101172	17.850	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	95984	17.293	ug/l	95
89) n-Butylbenzene	13.62	91	212951	18.347	ug/l	98
90) Hexachloroethane	13.88	117	49098	16.770	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	99922	18.468	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14854	17.390	ug/l	95

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ClientSampleId :
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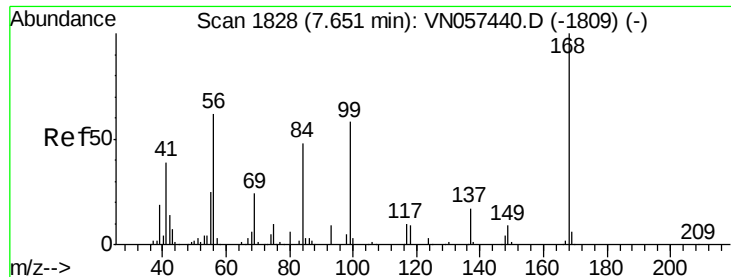
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	28600	17.032	ug/l	97
94) Hexachlorobutadiene	15.01	225	32361	21.648	ug/l	97
95) Naphthalene	15.13	128	93415	16.560	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	30882	17.789	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion:168 Resp: 351648

Ion Ratio Lower Upper

168 100

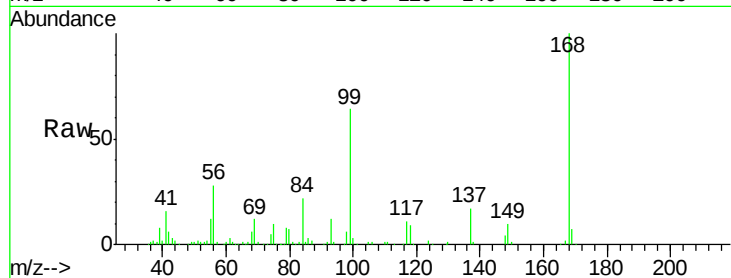
99 63.6 50.6 76.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

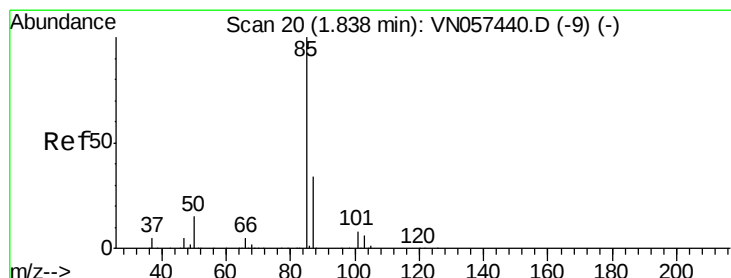
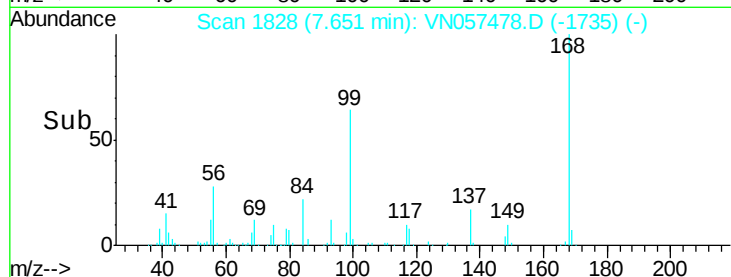
150000

100000

50000

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Time-->



#2

Dichlorodifluoromethane

Concen: 19.055 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057478.D

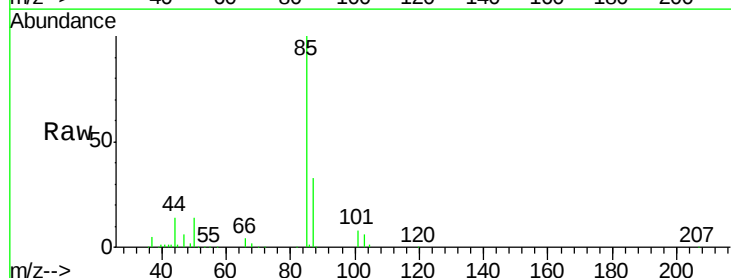
Acq: 23 Aug 2019 17:54

Tgt Ion: 85 Resp: 79073

Ion Ratio Lower Upper

85 100

87 32.9 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

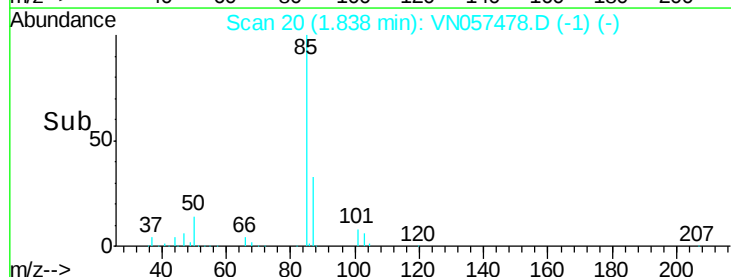
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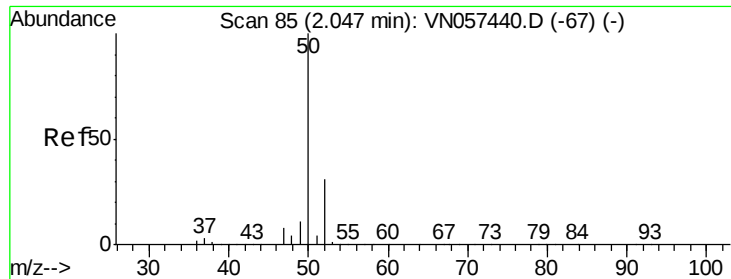
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20000

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Time-->





#3

Chloromethane

Concen: 17.798 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion: 50 Resp: 105486

Ion Ratio Lower Upper

50 100

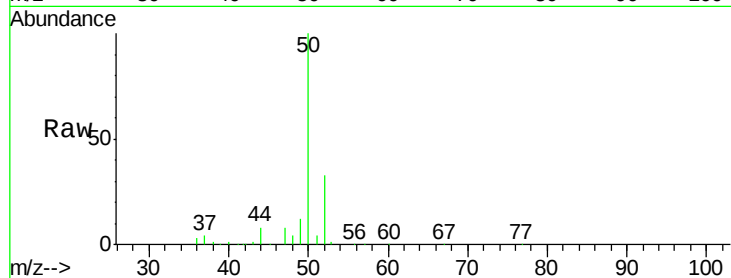
52 33.5 25.1 37.7

Manual Integrations

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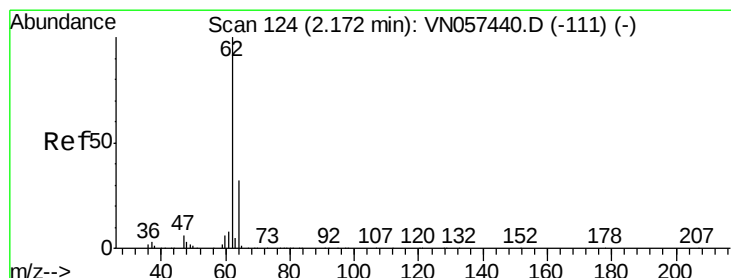
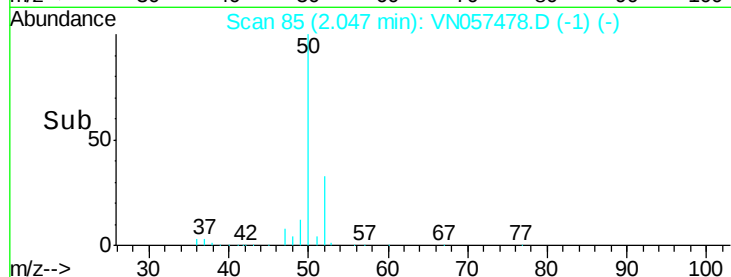
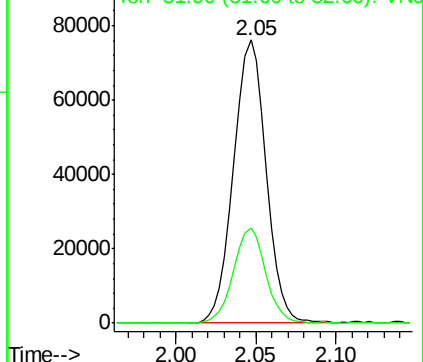
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.505 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057478.D

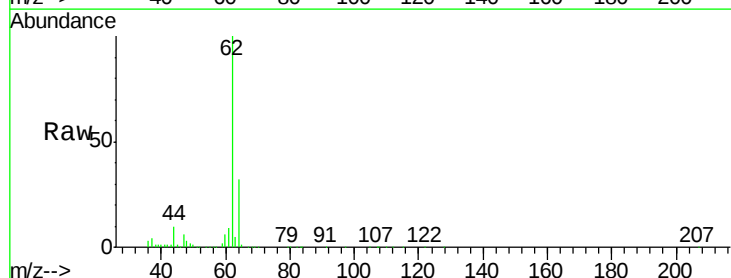
Acq: 23 Aug 2019 17:54

Tgt Ion: 62 Resp: 133494

Ion Ratio Lower Upper

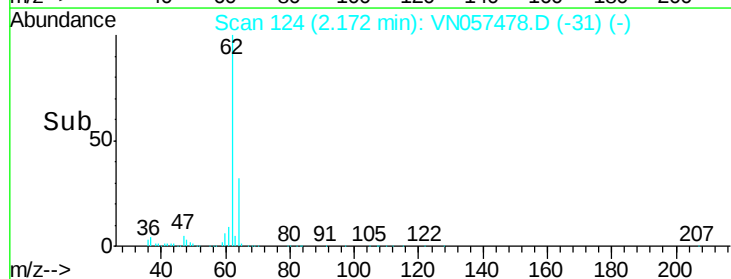
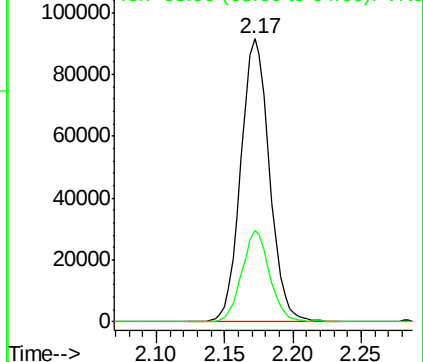
62 100

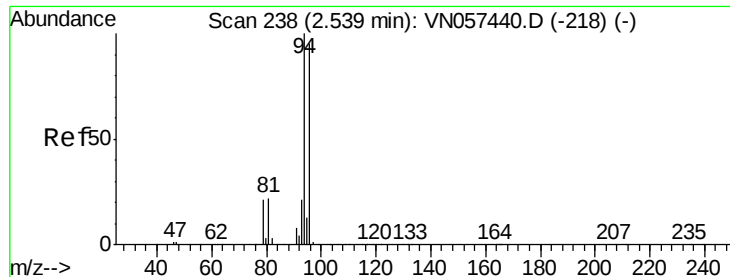
64 32.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.673 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion: 94 Resp: 87459

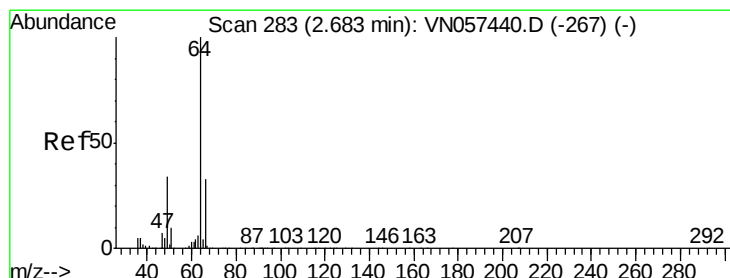
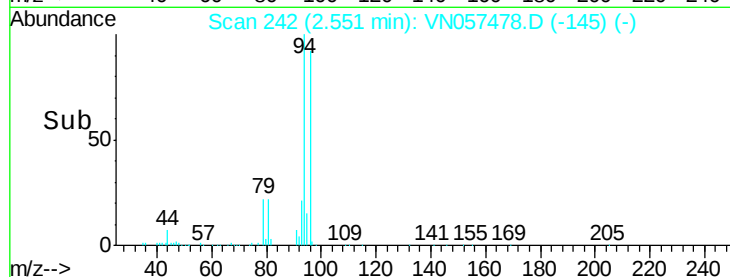
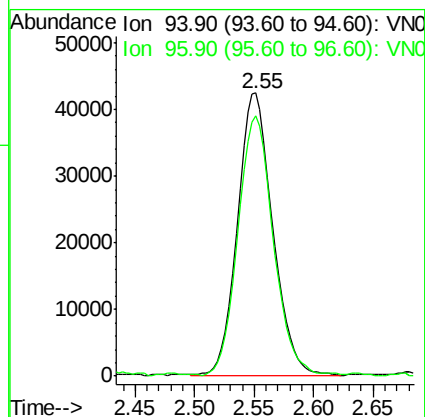
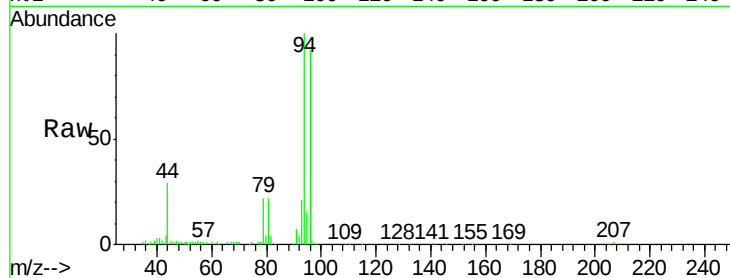
Ion Ratio Lower Upper

94 100

96 91.1 76.2 114.4

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#6

Chloroethane

Concen: 18.508 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN057478.D

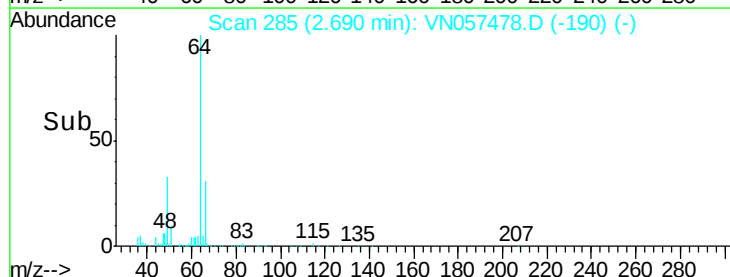
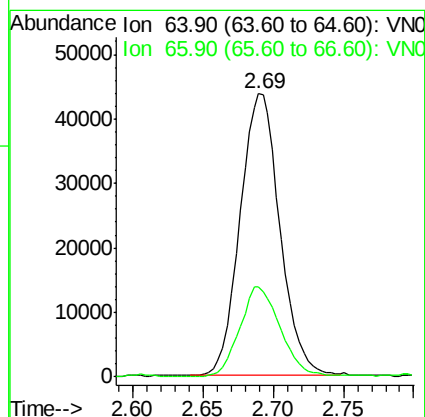
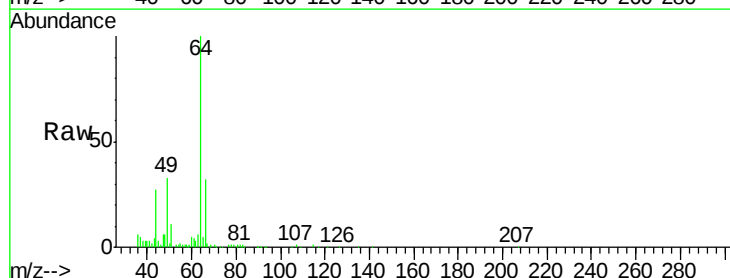
Acq: 23 Aug 2019 17:54

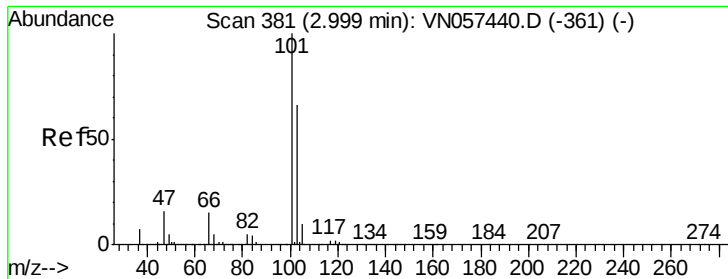
Tgt Ion: 64 Resp: 85884

Ion Ratio Lower Upper

64 100

66 32.2 26.8 40.2





#7

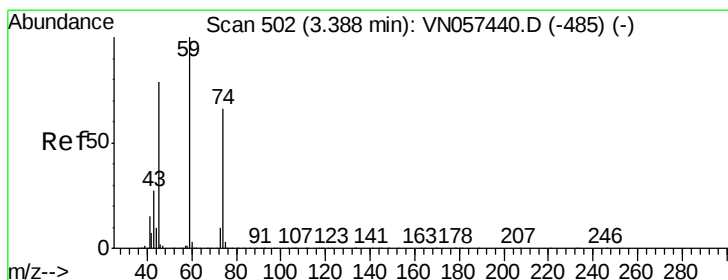
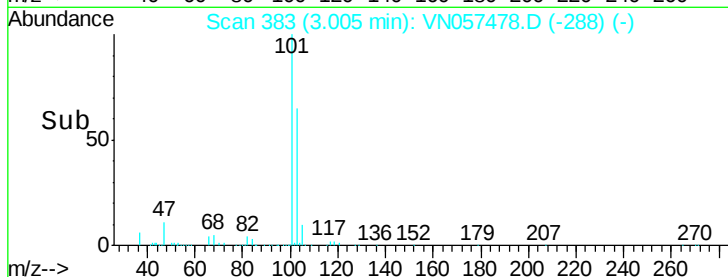
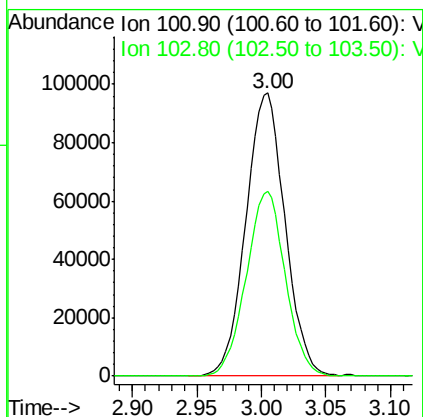
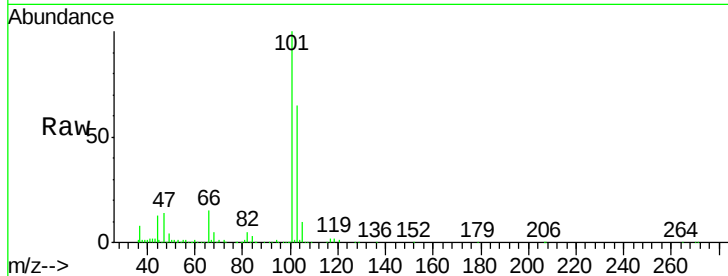
Trichlorofluoromethane
Concen: 18.373 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.01 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.6	78.8

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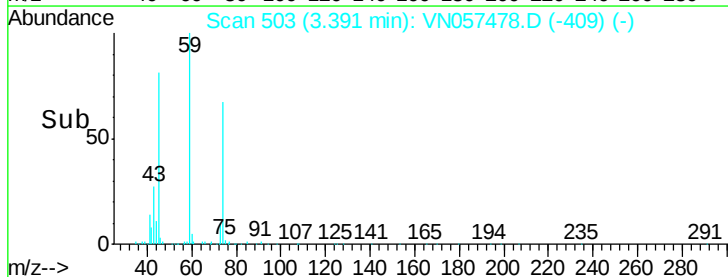
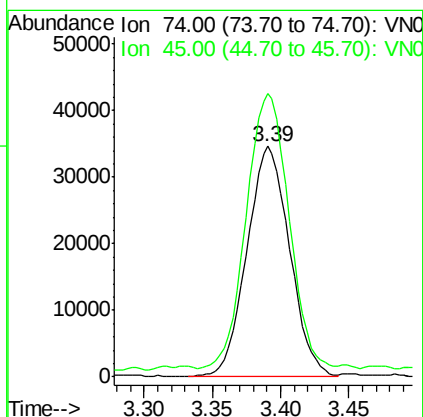
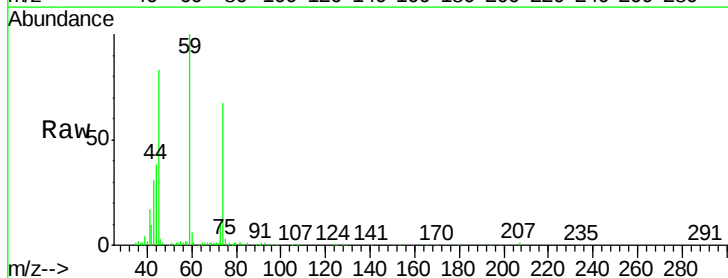
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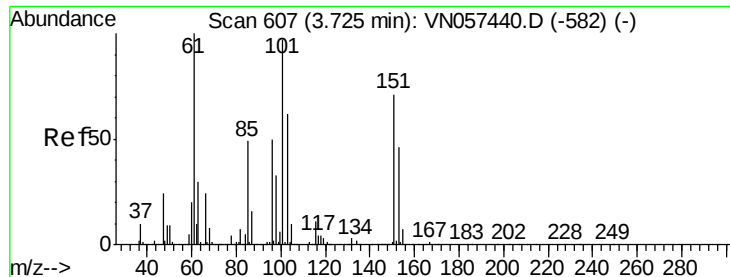


#8

Diethyl Ether
Concen: 19.145 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.7	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.780 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.01 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

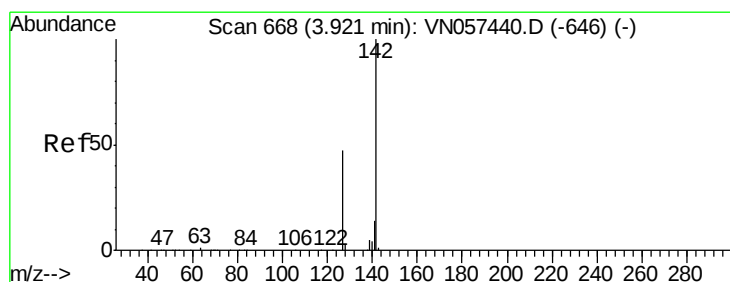
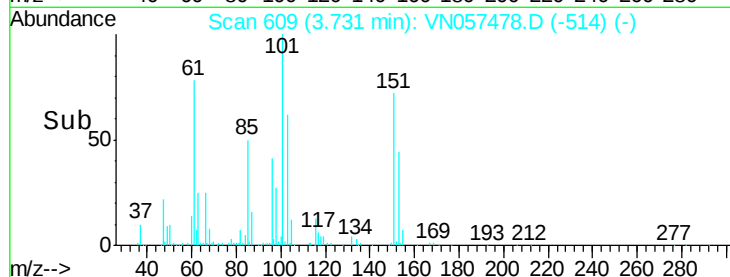
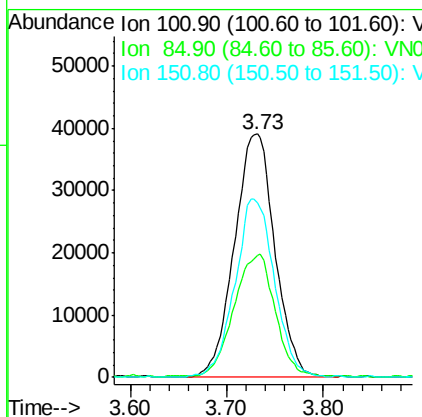
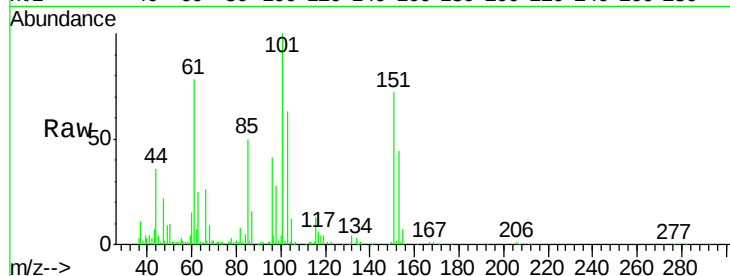
ClientSampleId :

VN0824WBSD01

Tot Ion:	101	Resp:	113810
Ion Ratio	Lower	Upper	
101	100		
85	50.0	40.0	60.0
151	71.6	57.0	85.6

Manual Integrations
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#10

Methyl Iodide

Concen: 20.662 ug/l

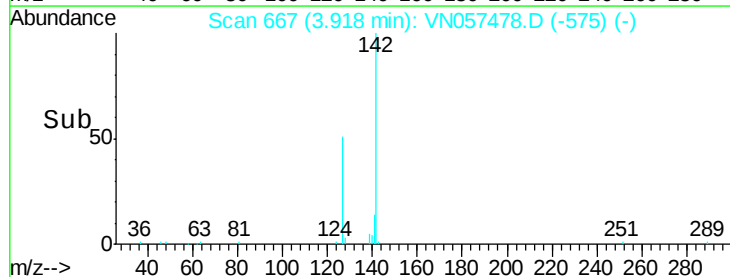
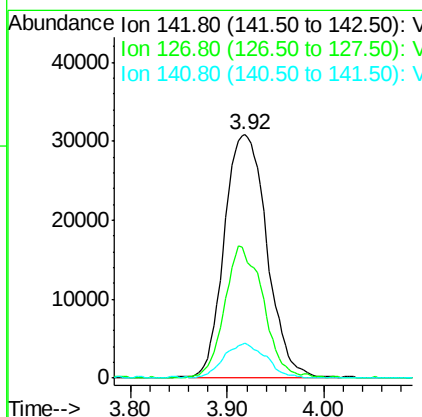
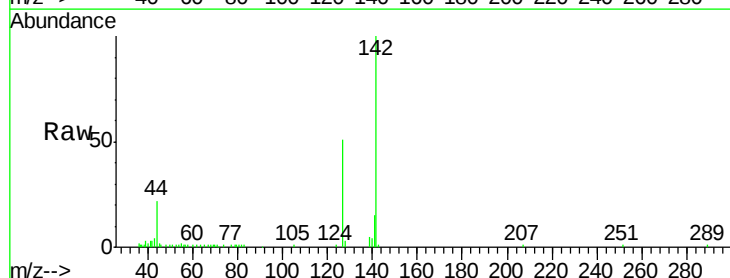
RT: 3.92 min Scan# 667

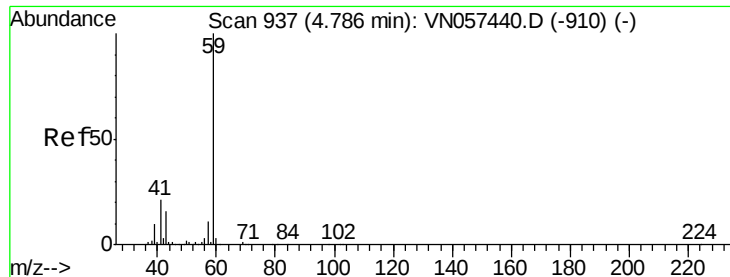
Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Tgt Ion:	142	Resp:	94471
Ion Ratio	Lower	Upper	
142	100		
127	49.4	37.8	56.8
141	14.2	11.9	17.9





#11

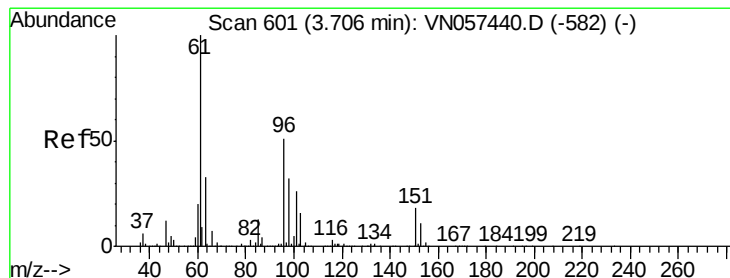
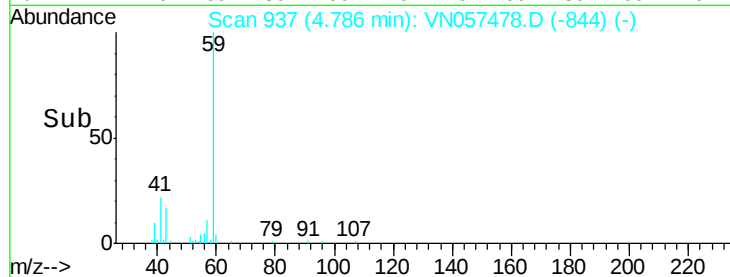
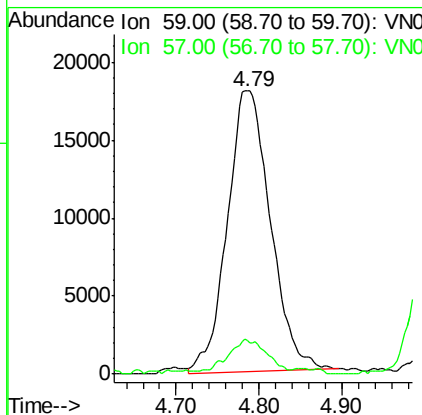
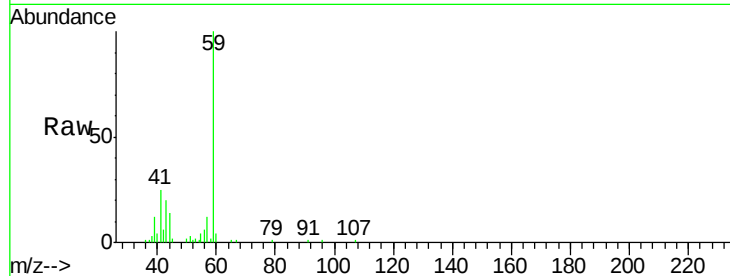
Tert butyl alcohol
 Concen: 84.731 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	9.1	13.7

Manual Integrations
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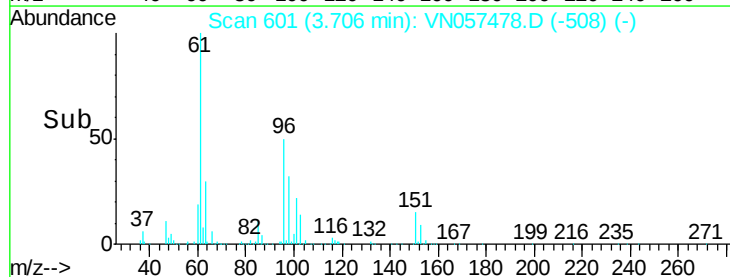
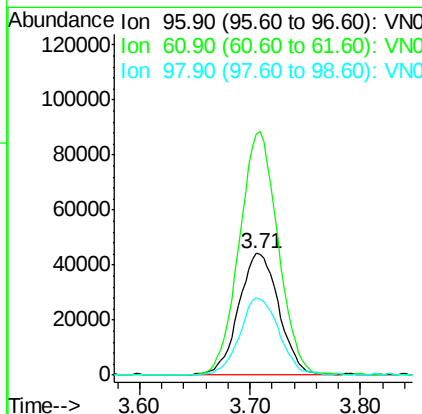
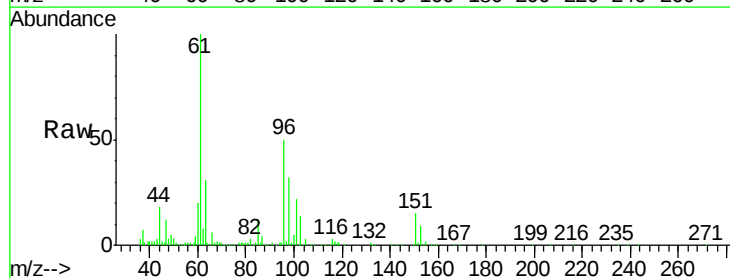
MMDadoda
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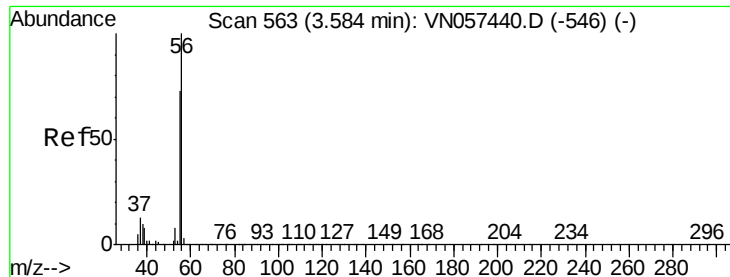


#12

1,1-Dichloroethene
 Concen: 18.404 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	198.8	155.3	232.9
98	63.1	50.2	75.2





#13

Acrolein

Concen: 79.431 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion: 56 Resp: 53682

Ion Ratio Lower Upper

56 100

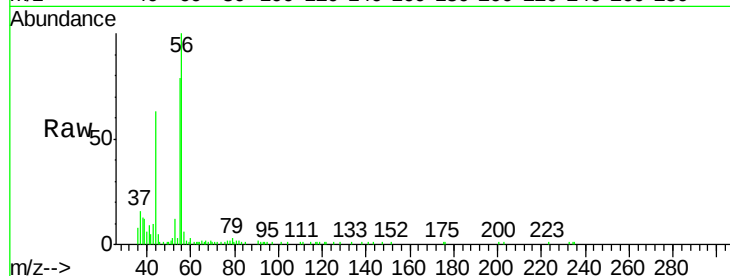
55 73.1 59.0 88.4

Manual Integrations

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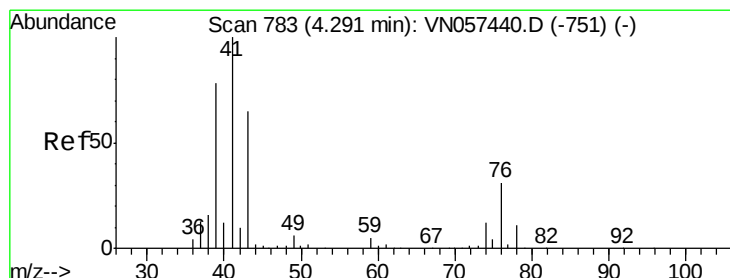
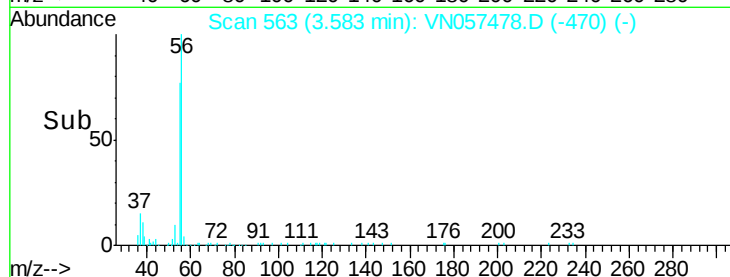
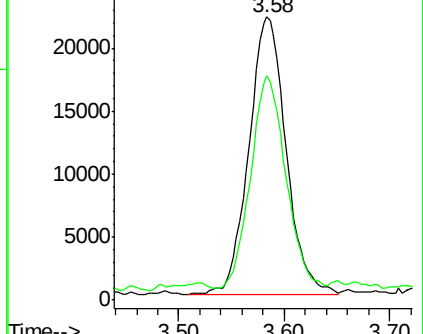
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.190 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

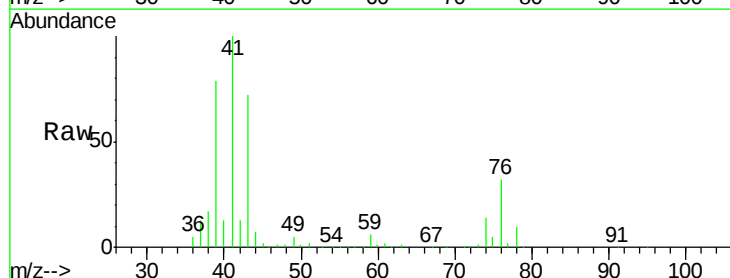
Tgt Ion: 41 Resp: 144013

Ion Ratio Lower Upper

41 100

39 72.8 57.4 86.2

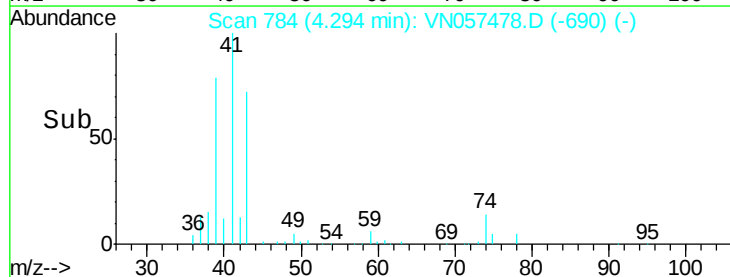
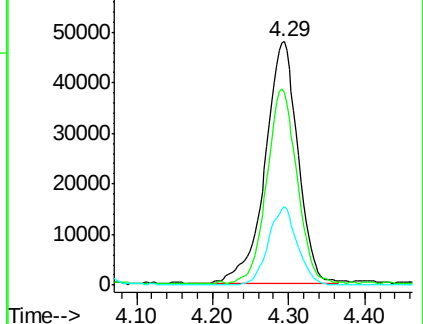
76 28.3 22.9 34.3

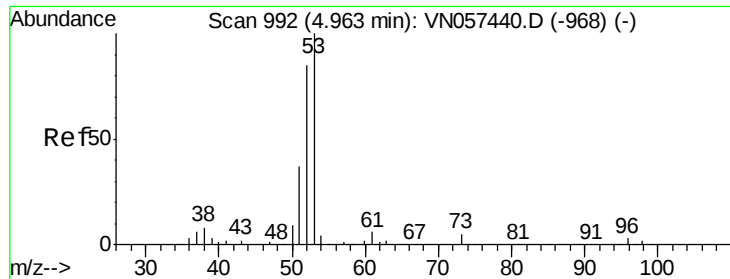


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 89.584 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

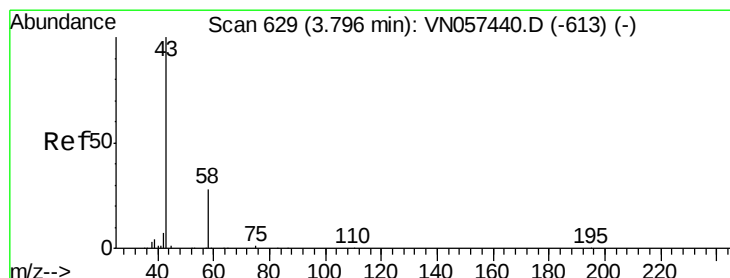
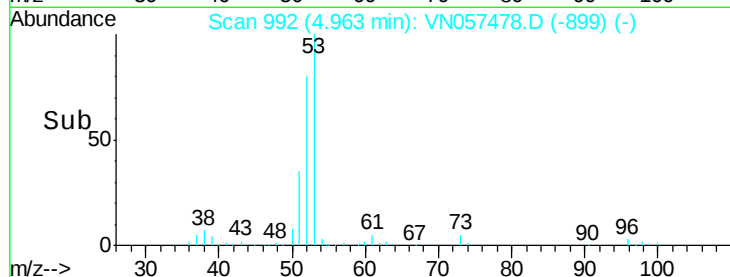
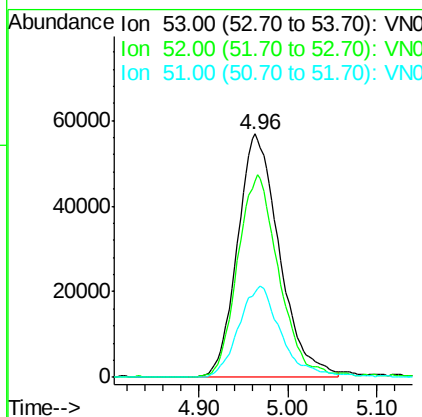
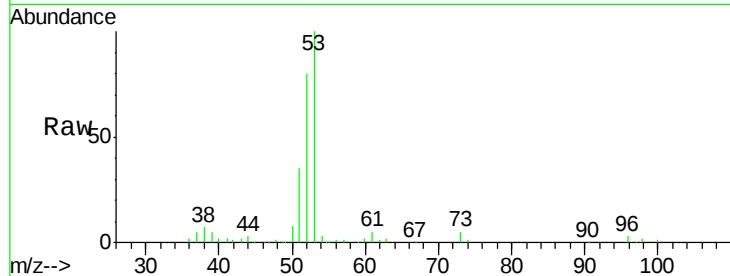
ClientSampleId :

VN0824WBSD01

Tot Ion:	53	Resp:	185682
Ion	Ratio	Lower	Upper
53	100		
52	81.4	67.0	100.6
51	38.1	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 107.767 ug/l

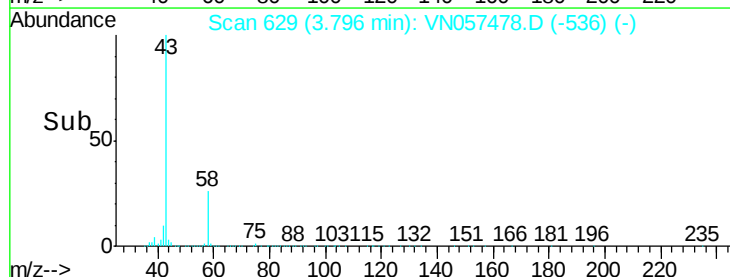
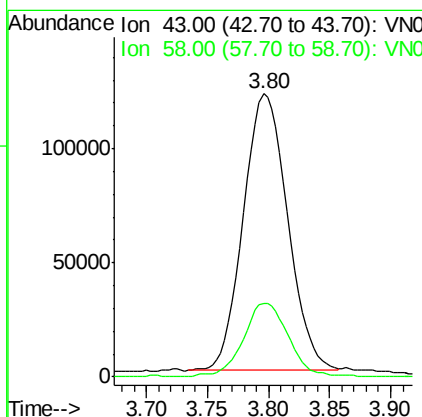
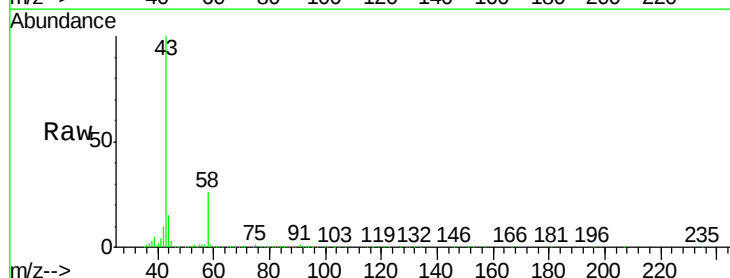
RT: 3.80 min Scan# 629

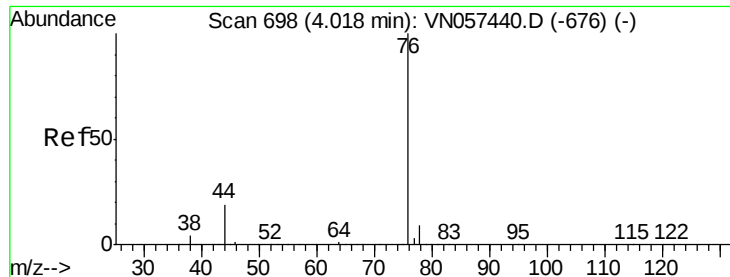
Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Tgt Ion:	43	Resp:	306146
Ion	Ratio	Lower	Upper
43	100		
58	26.2	22.1	33.1





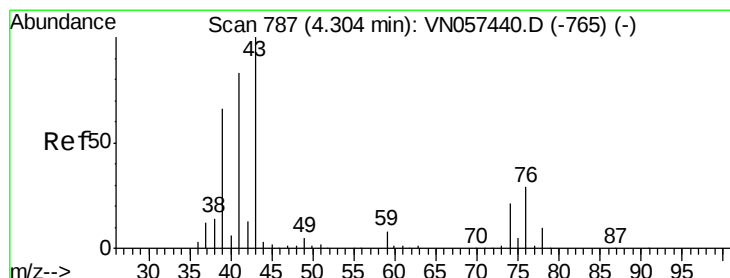
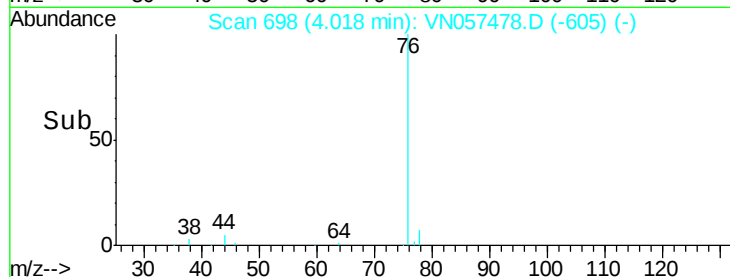
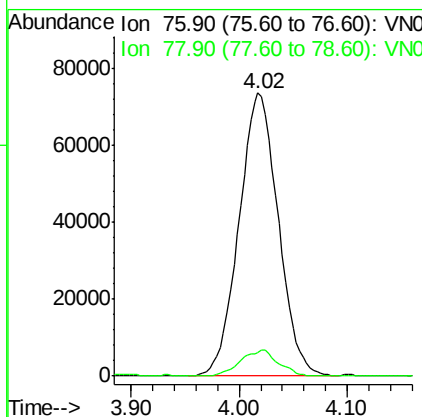
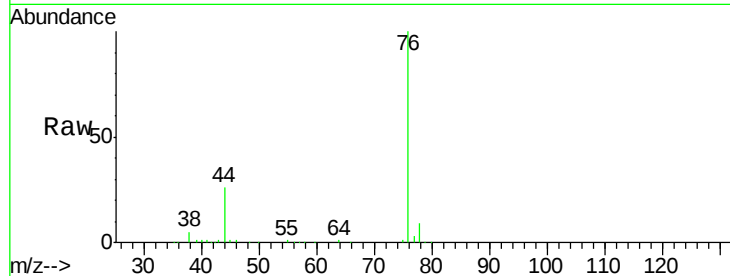
#17
Carbon Disulfide
Concen: 16.332 ug/l
RT: 4.02 min Scan# 698
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.1	10.7

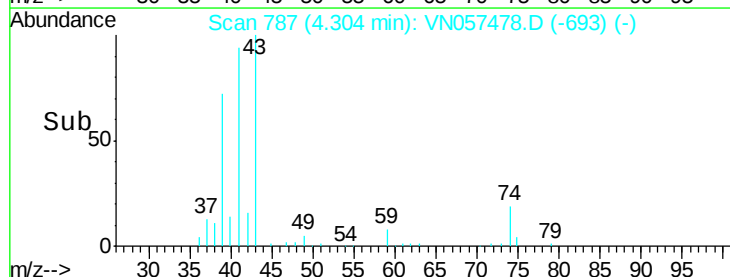
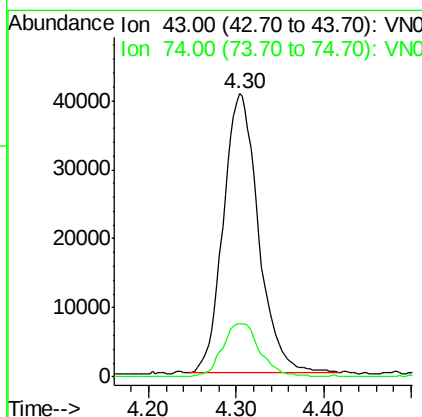
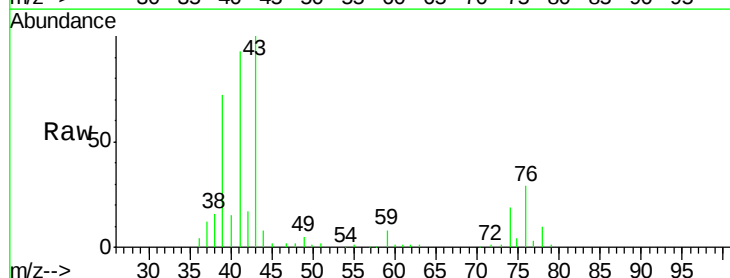
Manual Integrations
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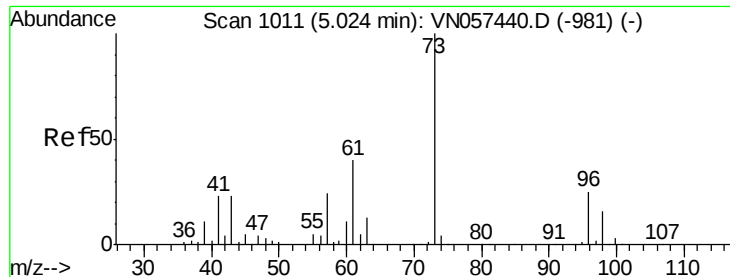
MMDadoda
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#18
Methyl Acetate
Concen: 17.821 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	15.9	23.9





#19

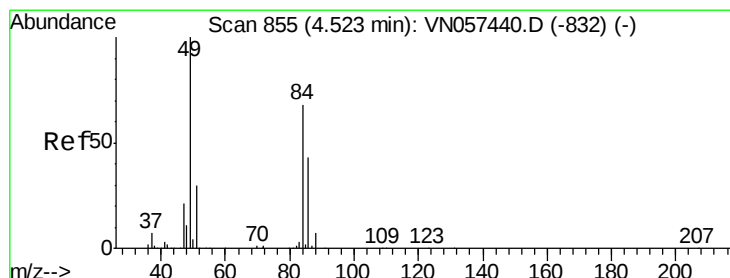
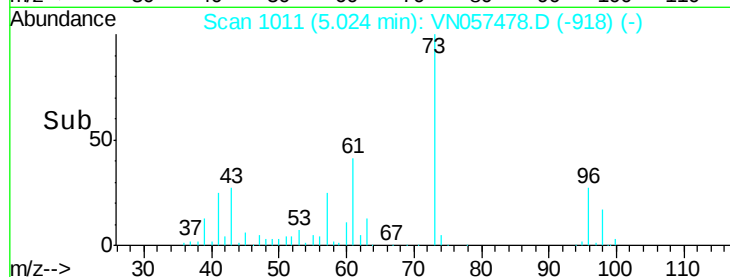
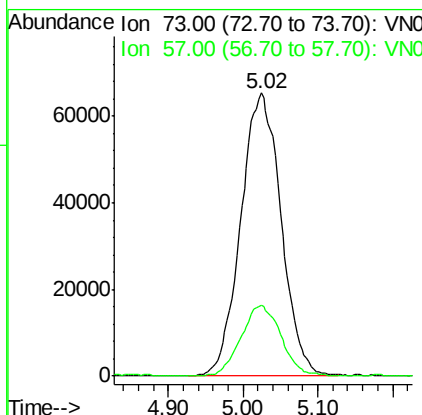
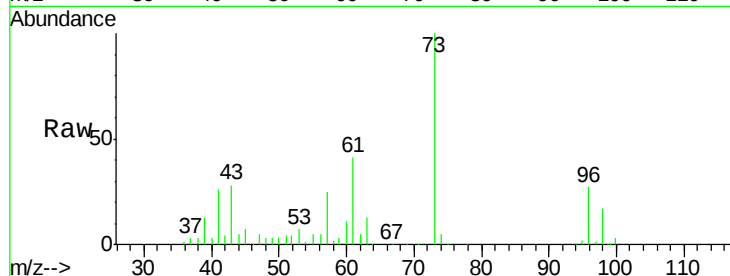
Methyl tert-butyl Ether
 Concen: 16.917 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tot Ion	73	Resp	244426
Ion Ratio	100	Lower	Upper
57	24.9	19.1	28.7

Manual Integrations
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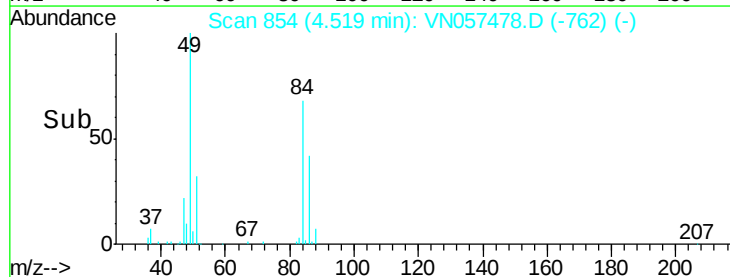
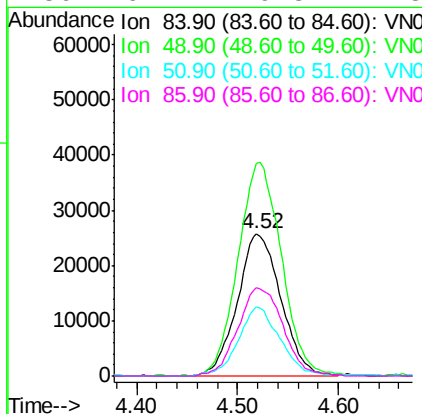
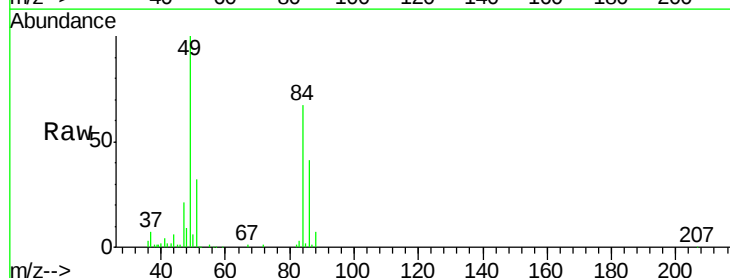
MMDadoda
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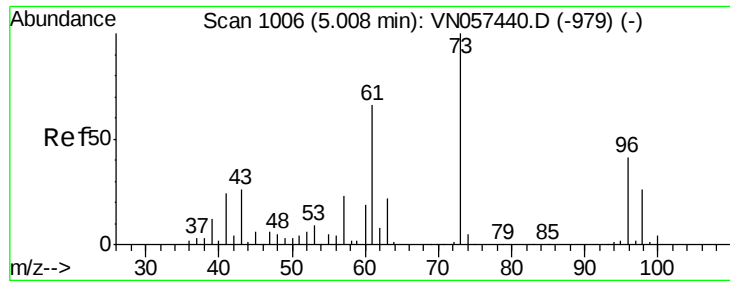


#20

Methylene Chloride
 Concen: 18.274 ug/l
 RT: 4.52 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion	84	Resp	77167
Ion Ratio	100	Lower	Upper
49	148.7	117.0	175.4
51	48.0	35.5	53.3
86	61.7	49.8	74.8





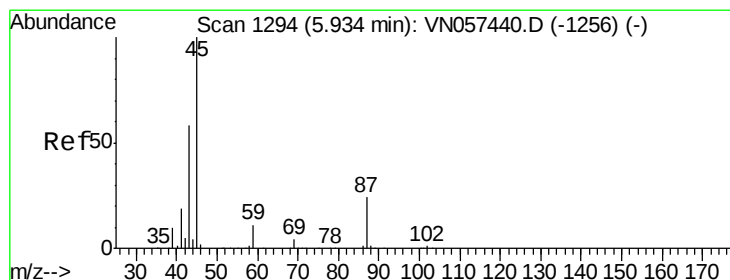
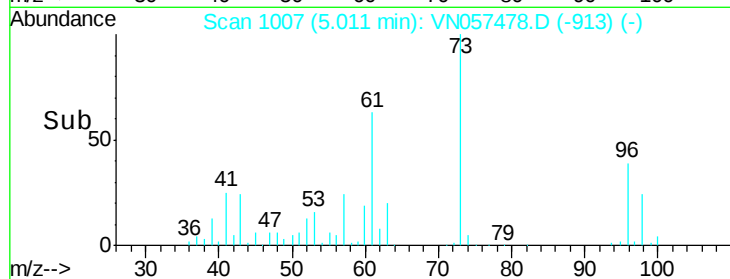
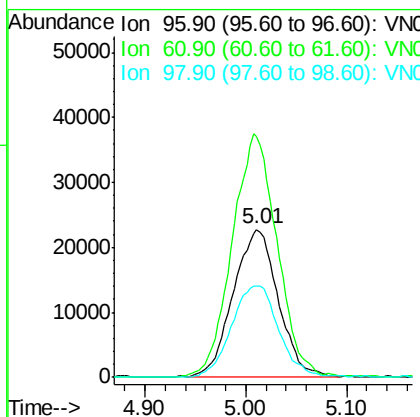
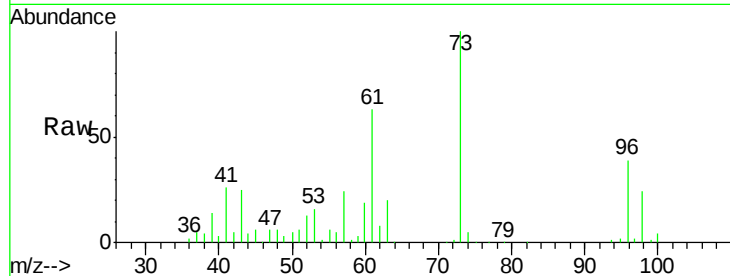
#21
trans-1,2-Dichloroethene
Concen: 16.751 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.1	127.9	191.9
98	62.0	50.6	76.0

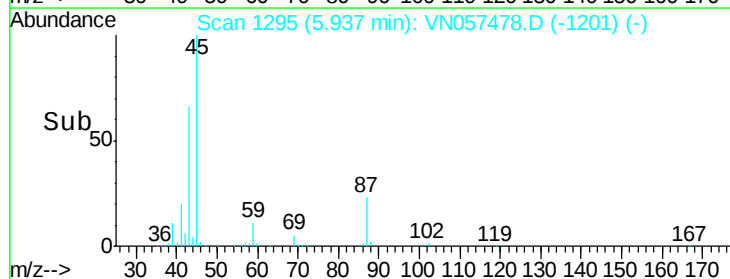
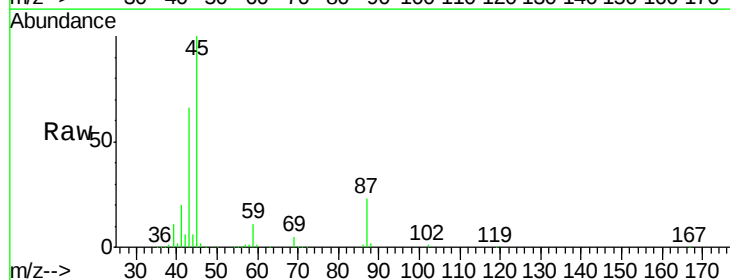
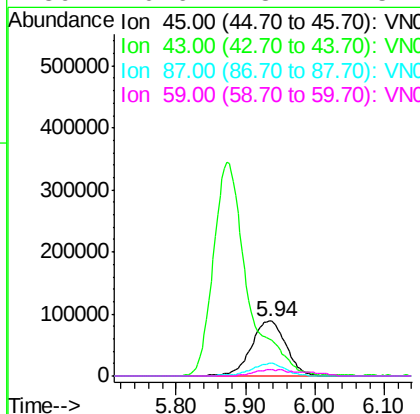
Manual Integrations
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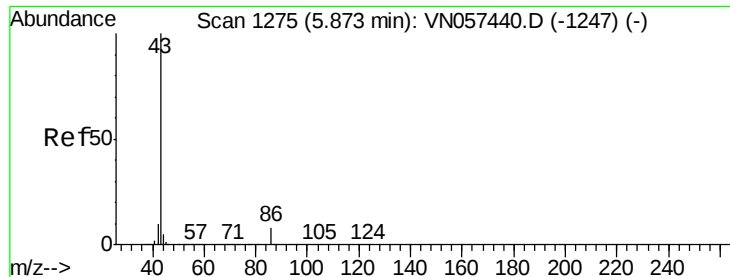
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#22
Diisopropyl ether
Concen: 18.206 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.7	46.9	70.3
87	23.2	19.3	28.9
59	10.6	8.7	13.1





#23

Vinyl Acetate

Concen: 88.133 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion: 43 Resp: 1169019

Ion Ratio Lower Upper

43 100

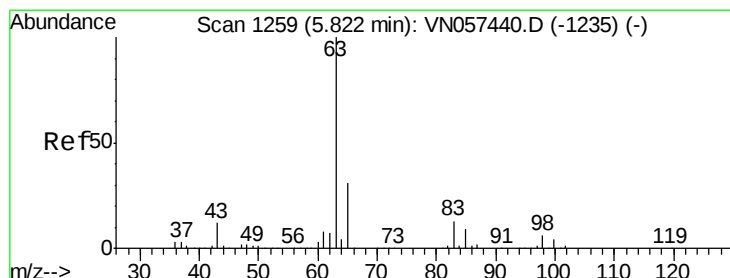
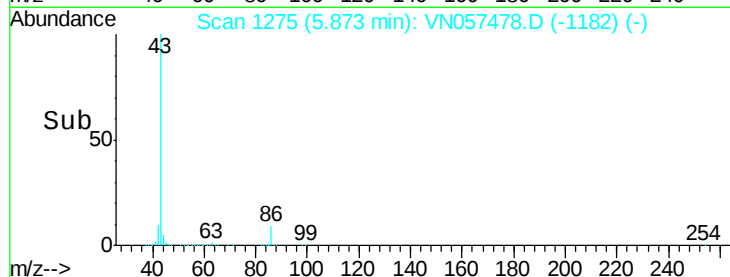
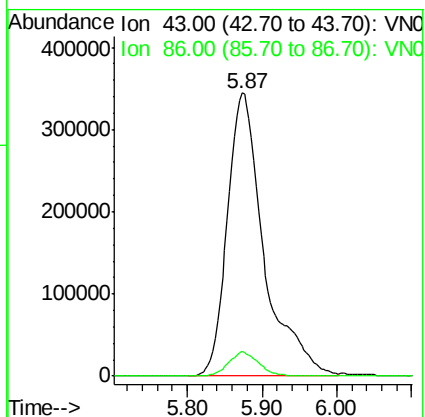
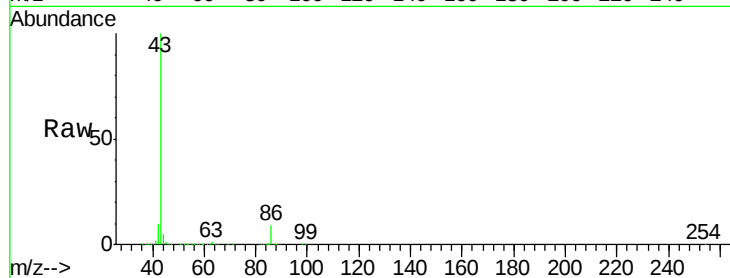
86 8.6 6.7 10.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 17.872 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

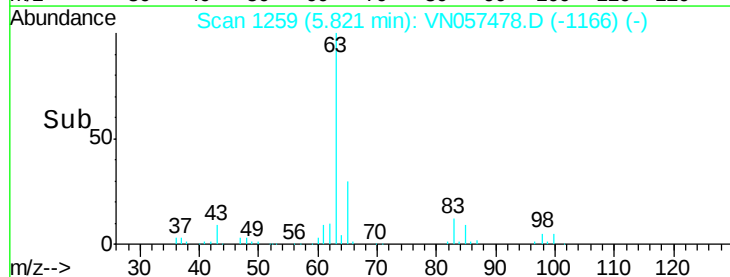
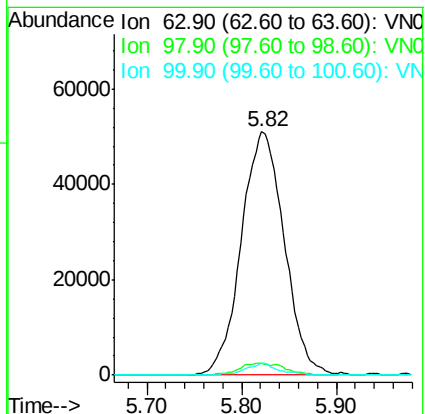
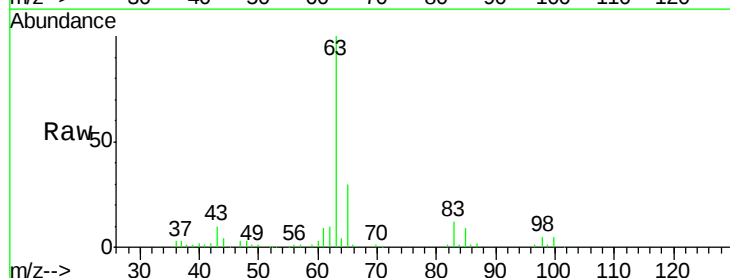
Tgt Ion: 63 Resp: 160854

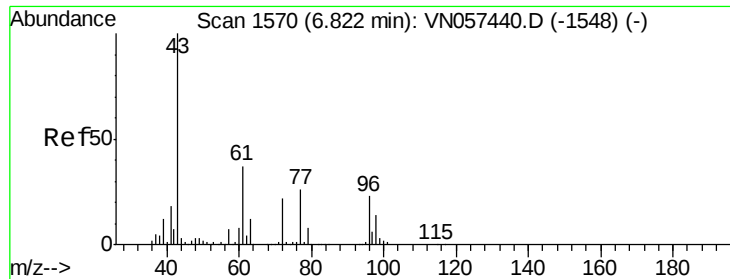
Ion Ratio Lower Upper

63 100

98 4.7 2.9 8.6

100 4.9 2.1 6.3





#25

2-Butanone

Concen: 88.010 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion: 43 Resp: 271489

Ion Ratio Lower Upper

43 100

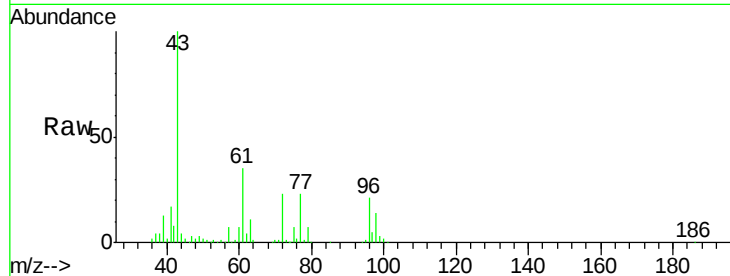
72 22.7 17.8 26.8

Manual Integrations

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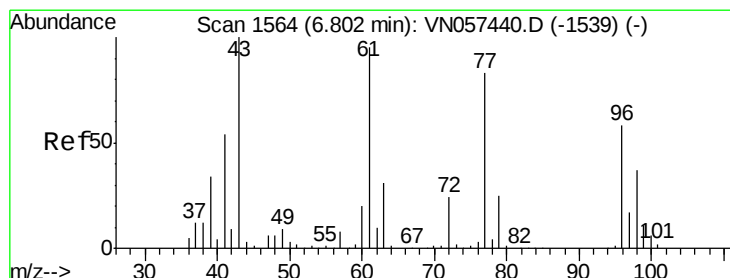
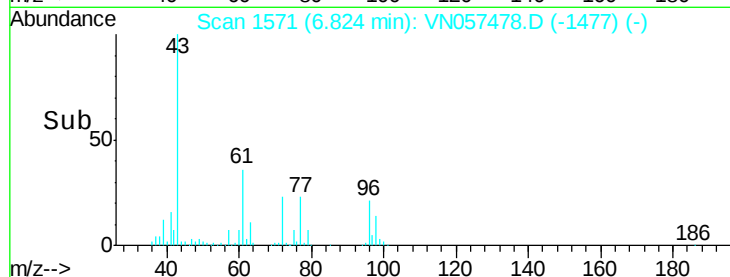
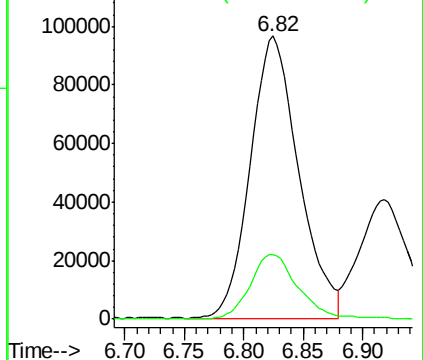
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 17.137 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057478.D

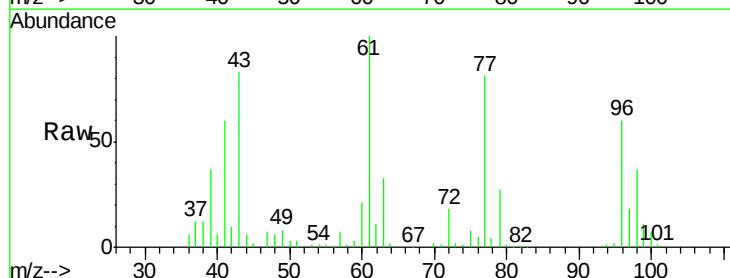
Acq: 23 Aug 2019 17:54

Tgt Ion: 77 Resp: 133564

Ion Ratio Lower Upper

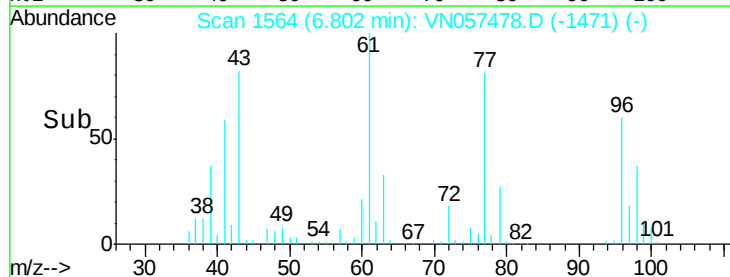
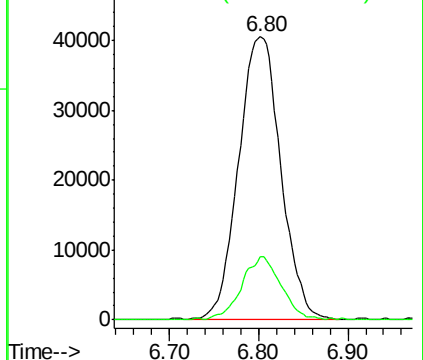
77 100

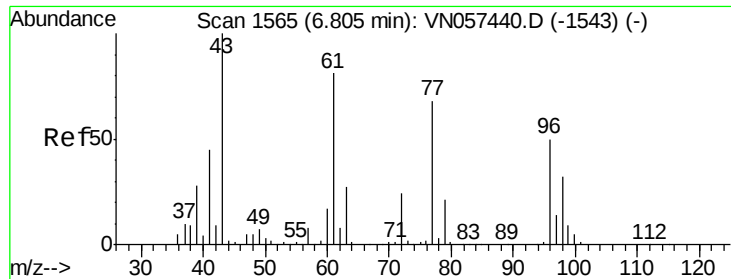
97 20.8 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





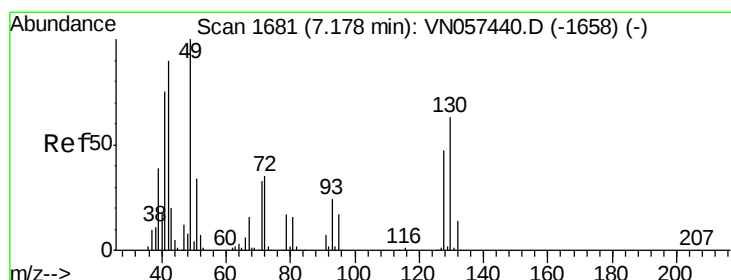
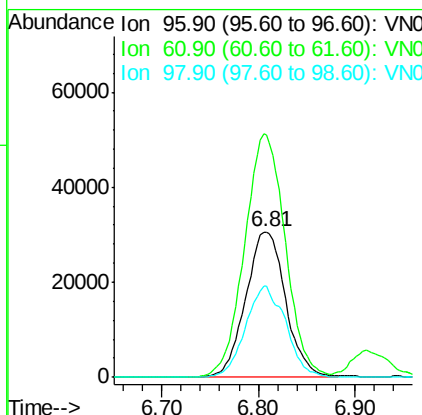
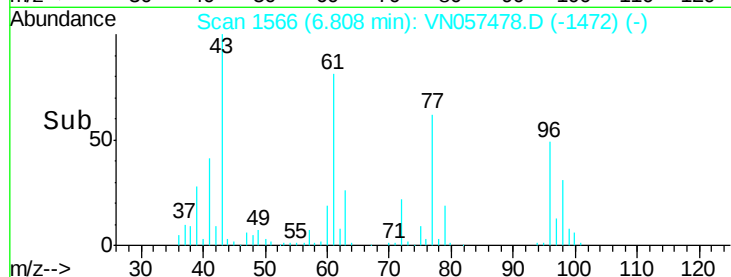
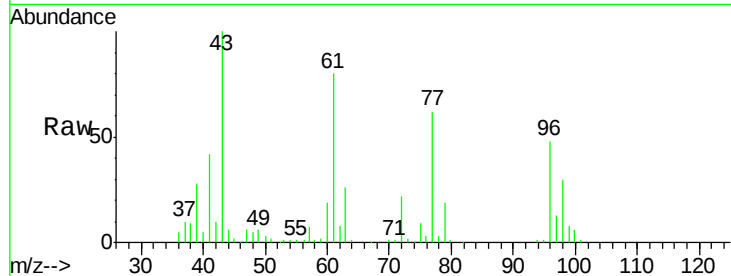
#27
 cis-1,2-Dichloroethene
 Concen: 17.532 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	170.4	0.0	334.8
98	63.1	0.0	127.4

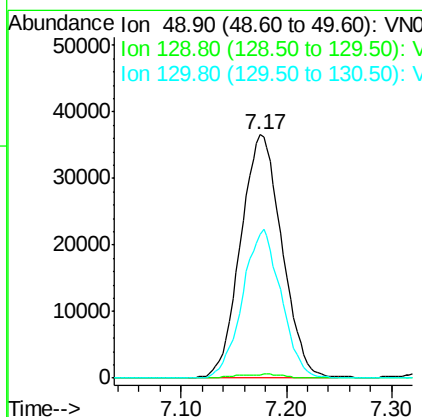
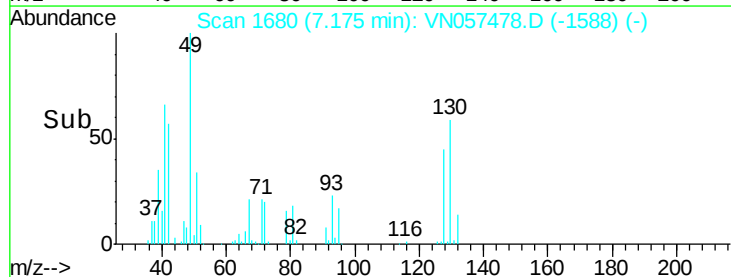
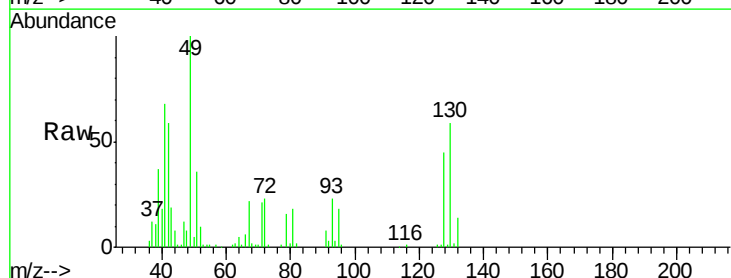
Manual Integrations
 APPROVED

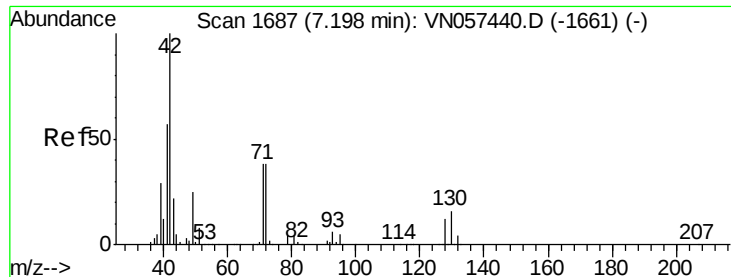
MMDadoda
 8/26/2019 1:13:11 PM



#28
 Bromochloromethane
 Concen: 20.574 ug/l
 RT: 7.17 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	57.0	48.6	72.8





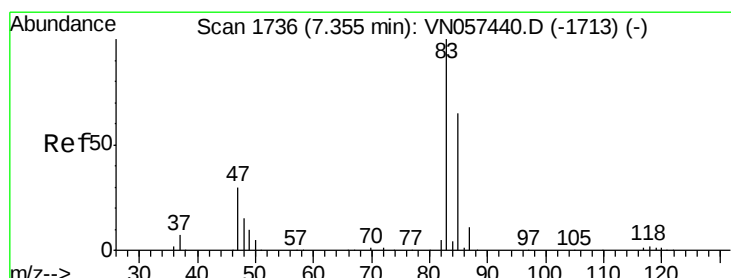
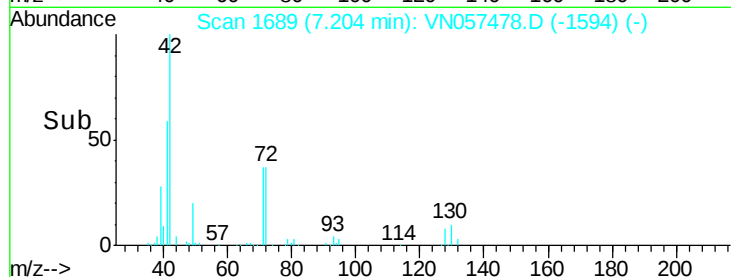
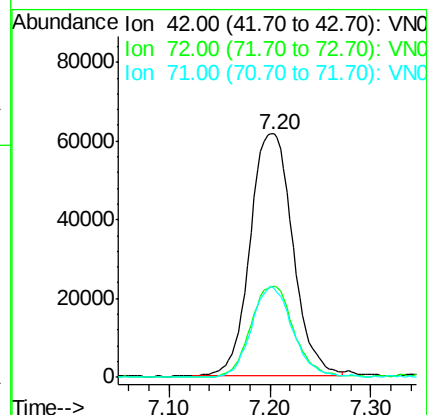
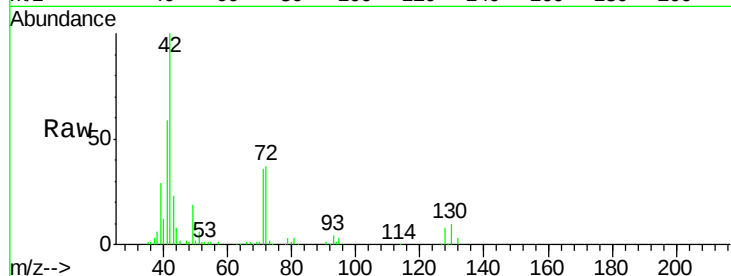
#29
Tetrahydrofuran
Concen: 88.937 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	30.1	45.1
71	36.1	28.8	43.2

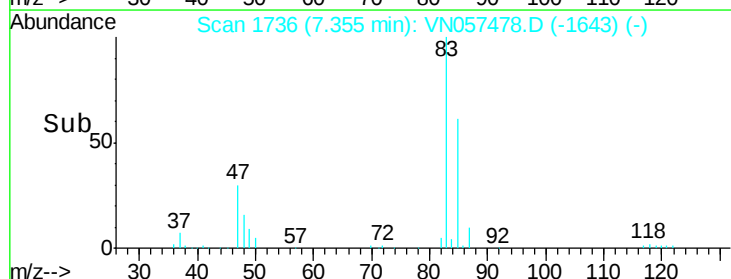
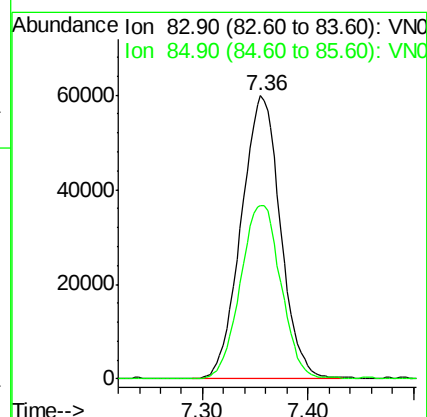
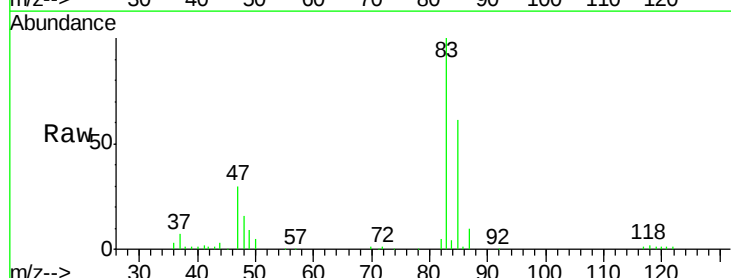
Manual Integrations
APPROVED

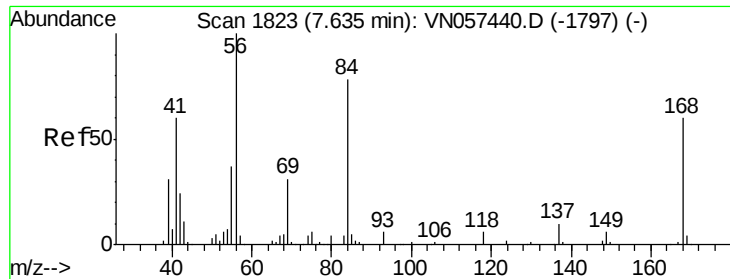
MMDadoda
8/26/2019 1:13:11 PM



#30
Chloroform
Concen: 18.610 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.9	77.9





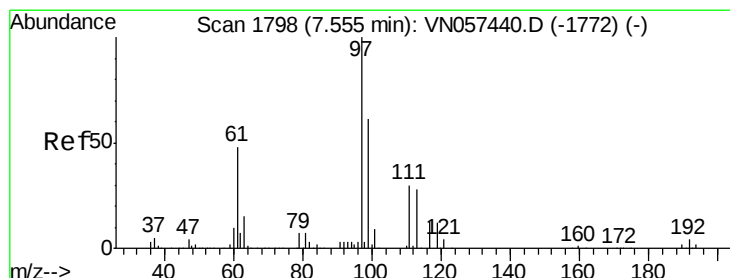
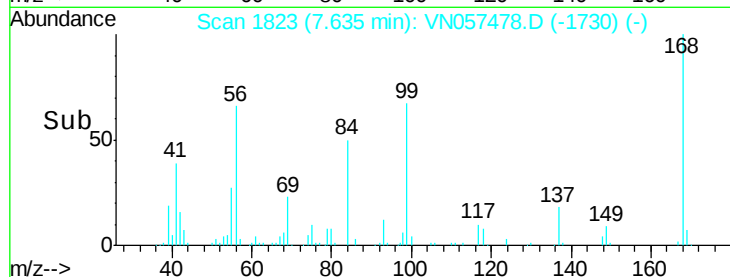
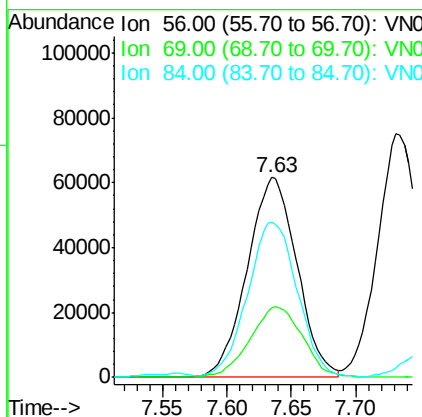
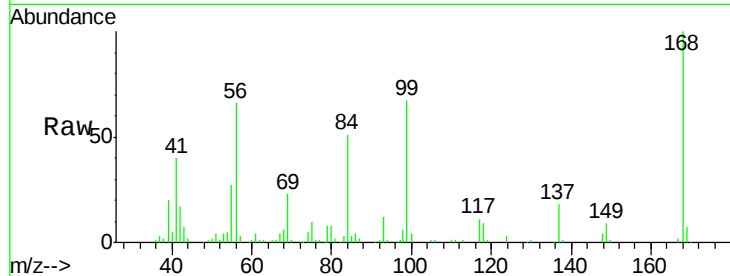
#31
Cyclohexane
Concen: 18.876 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.0	25.0	37.6
84	76.7	62.5	93.7

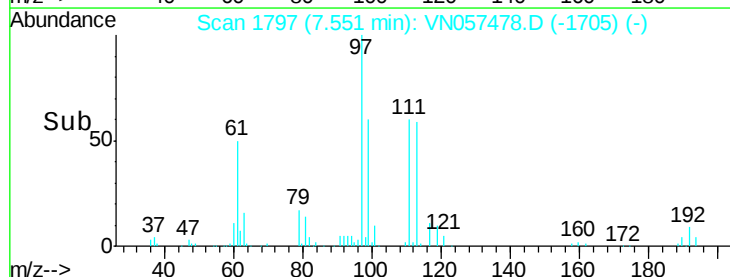
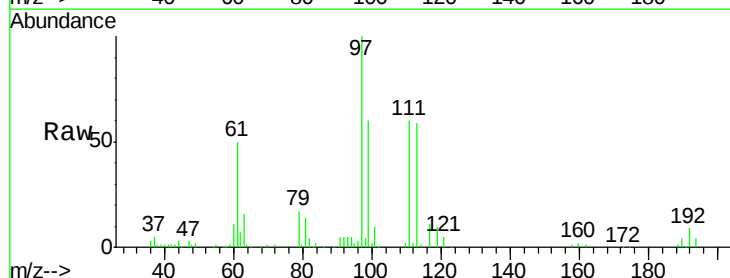
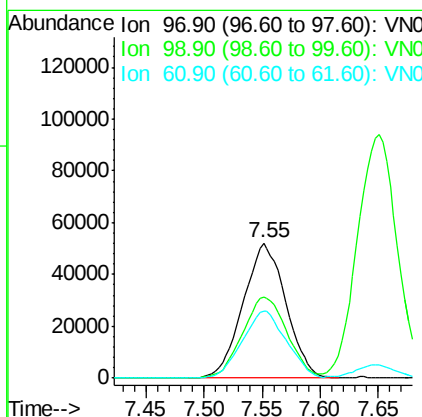
Manual Integrations
APPROVED

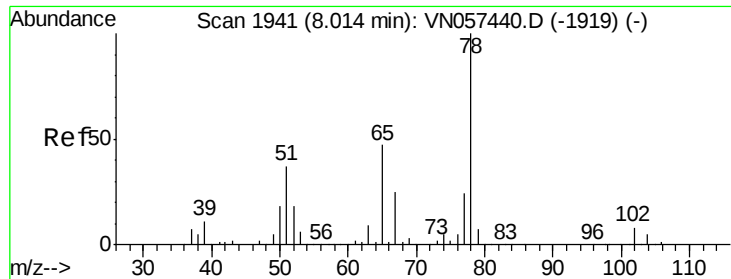
MMDadoda
8/26/2019 1:13:11 PM



#32
1,1,1-Trichloroethane
Concen: 17.383 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.0	76.6
61	51.0	39.8	59.6





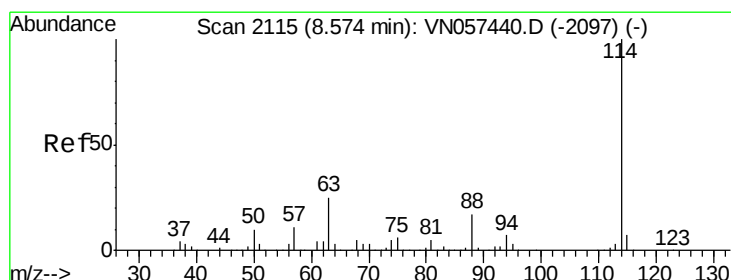
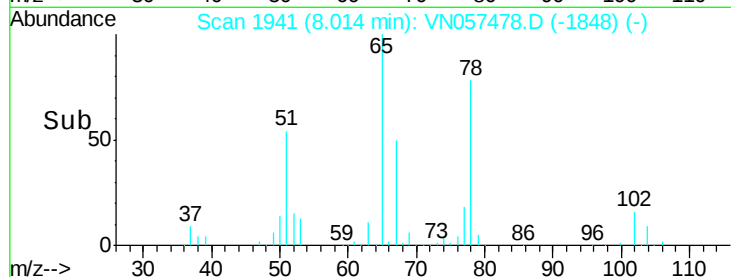
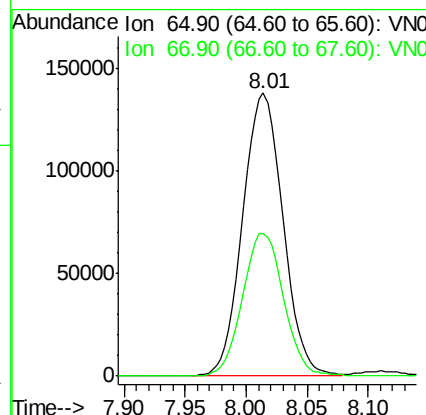
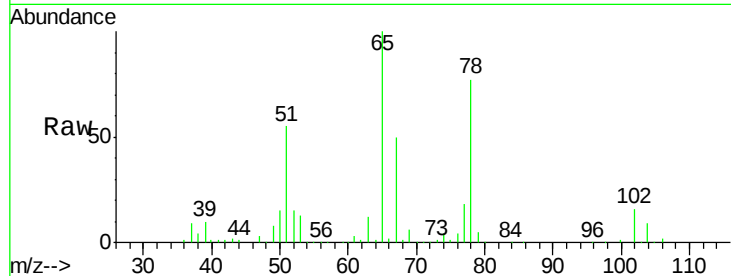
#33
 1,2-Dichloroethane-d4
 Concen: 51.025 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.6	0.0	103.8	

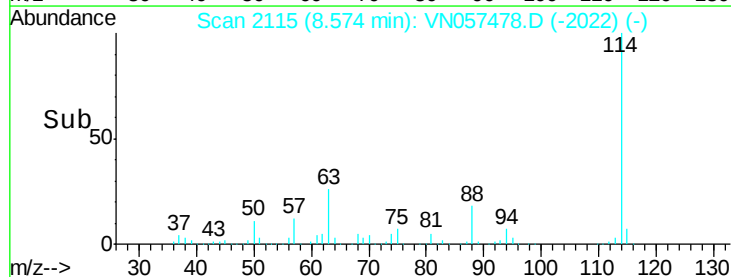
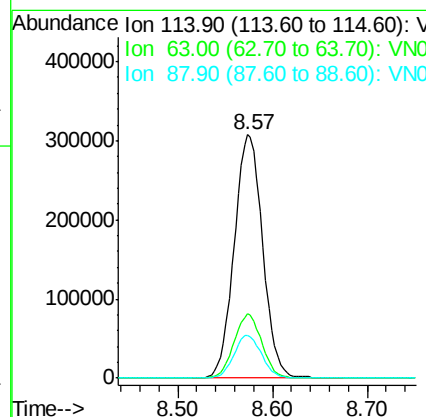
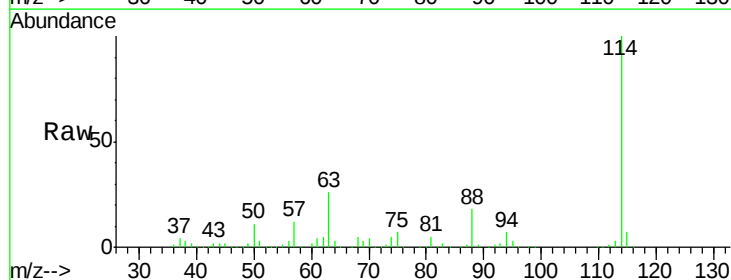
Manual Integrations
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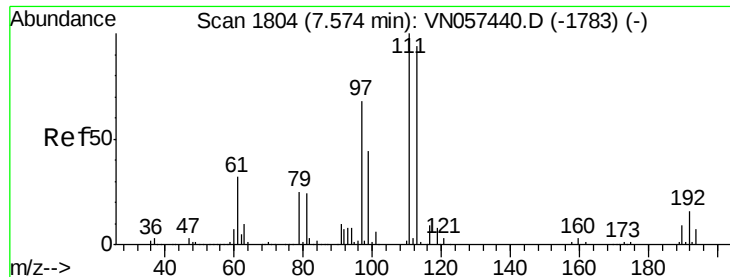
MMDadoda
 8/26/2019 1:13:11 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	26.3	0.0	50.2	
88	17.7	0.0	34.6	





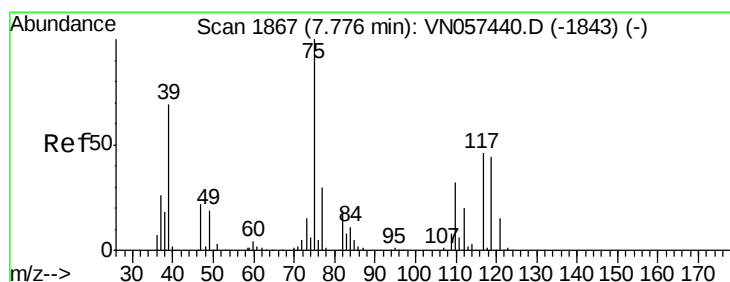
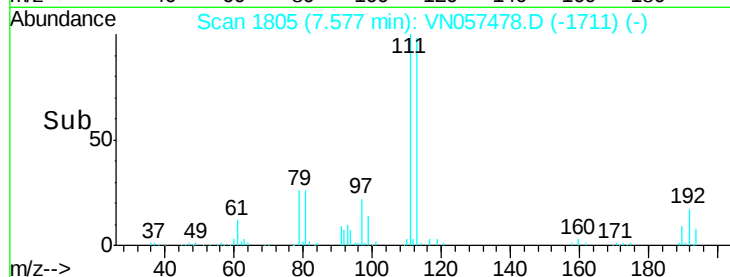
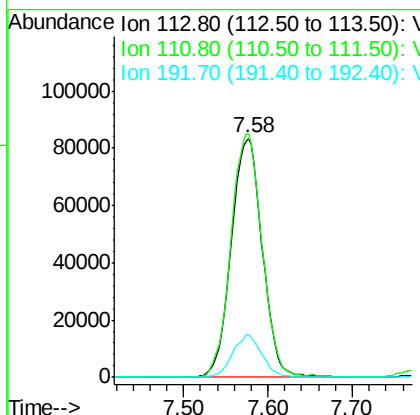
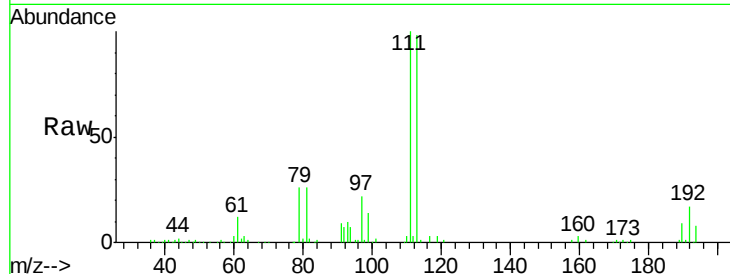
#35
 Dibromofluoromethane
 Concen: 49.215 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	213601		
111	101.8	83.8	125.6	
192	16.8	13.5	20.3	

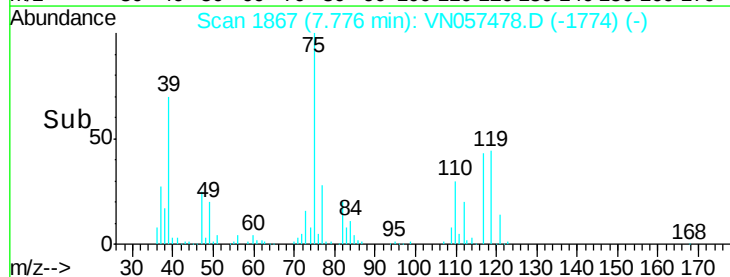
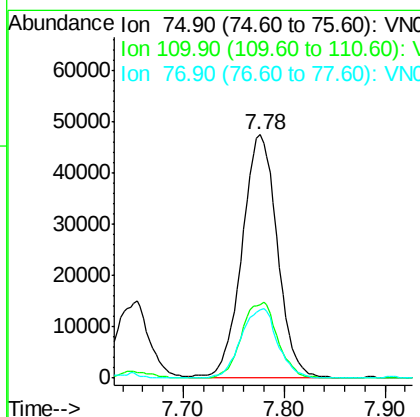
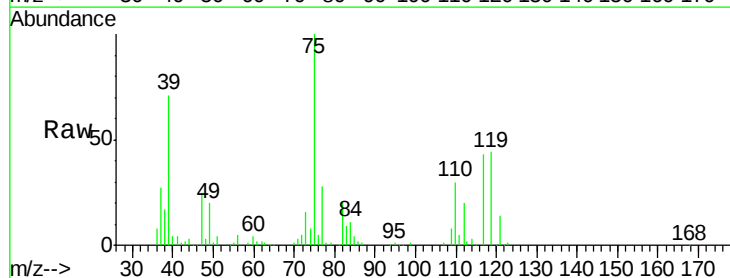
Manual Integrations
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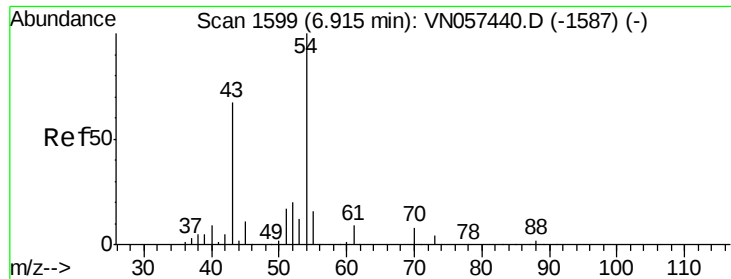
MMDadoda
 8/26/2019 1:13:11 PM



#36
 1,1-Dichloropropene
 Concen: 17.578 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	115412		
110	31.8	16.1	48.3	
77	29.6	24.8	37.2	





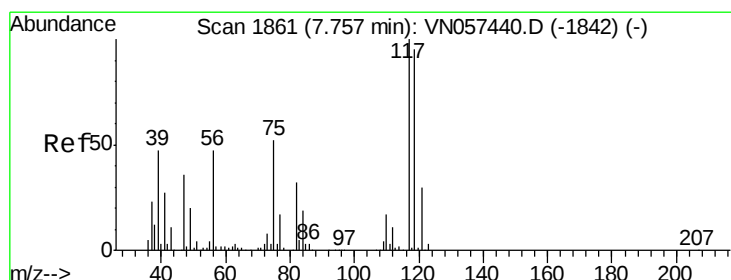
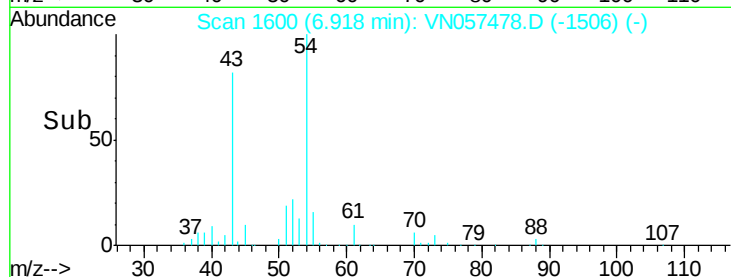
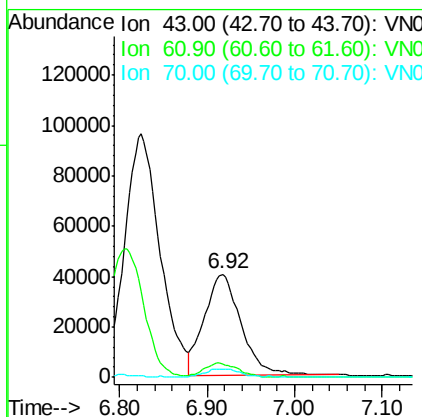
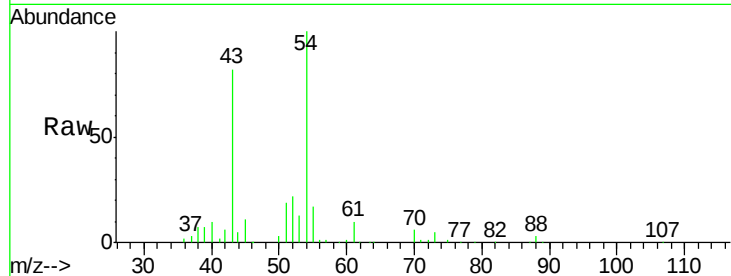
#37
Ethyl Acetate
Concen: 18.181 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.9	14.9
70	8.1	7.0	10.6

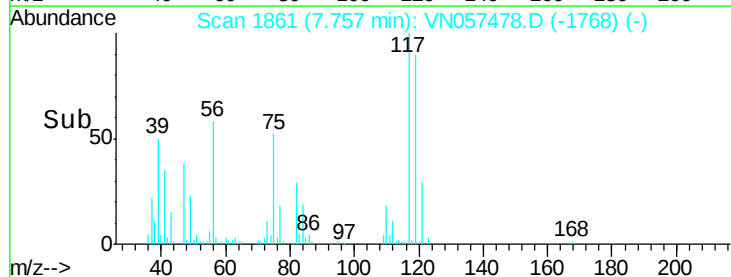
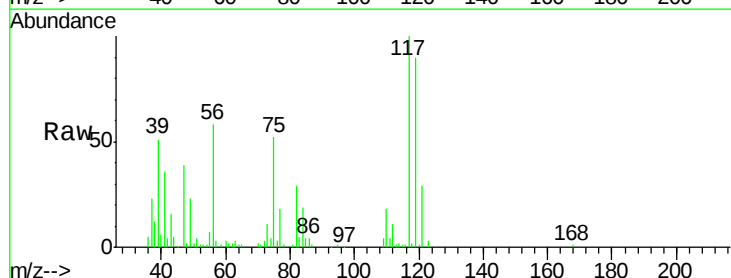
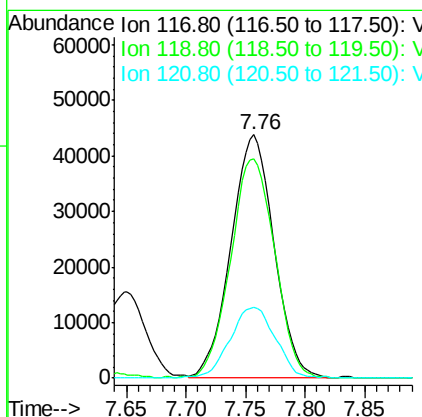
Manual Integrations
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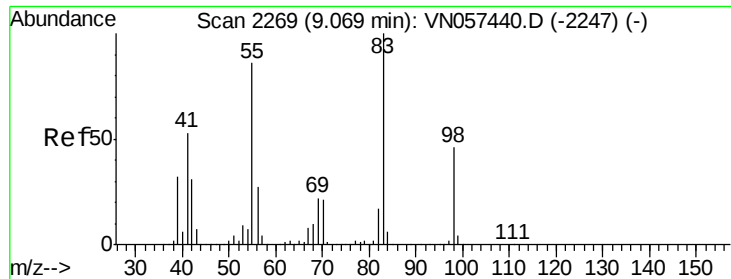
MMDadoda
8/26/2019 1:13:11 PM



#38
Carbon Tetrachloride
Concen: 16.740 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.3	76.2	114.4
121	29.0	23.8	35.6





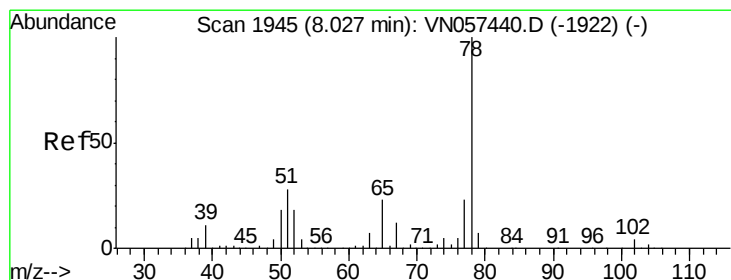
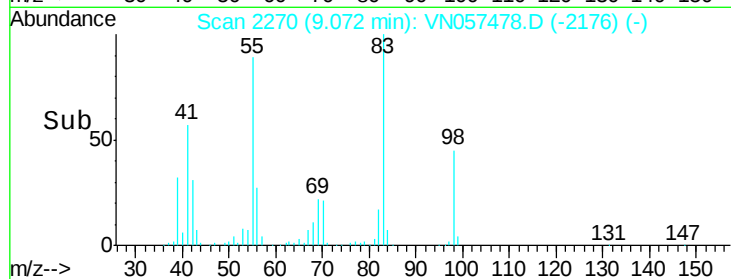
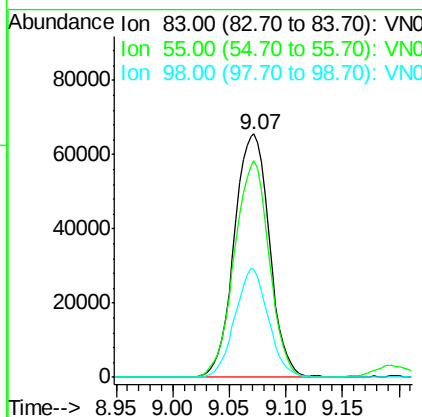
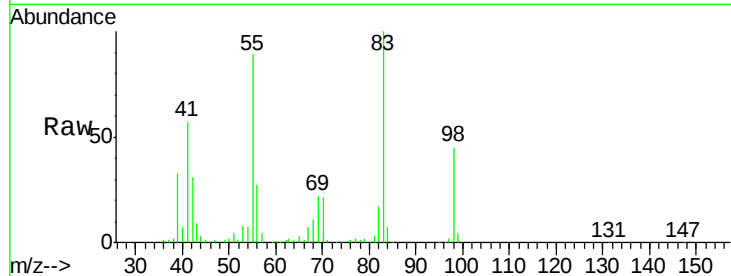
#39
Methvlcvclohexane
Concen: 18.225 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	142112		
55	88.8	68.6	102.8	
98	44.5	36.6	54.8	

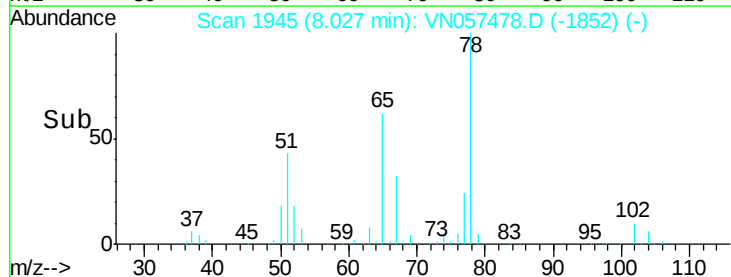
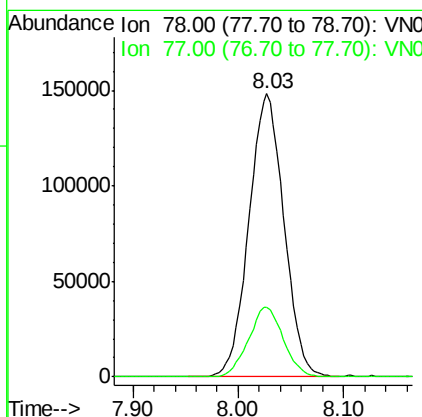
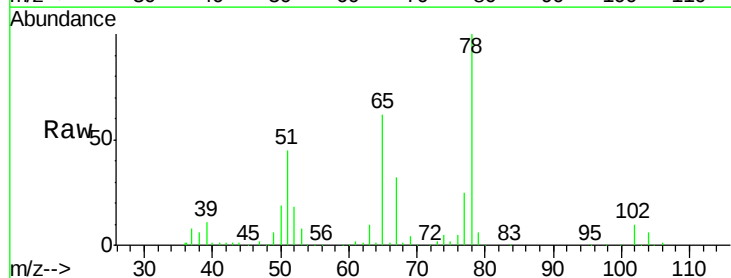
Manual Integrations
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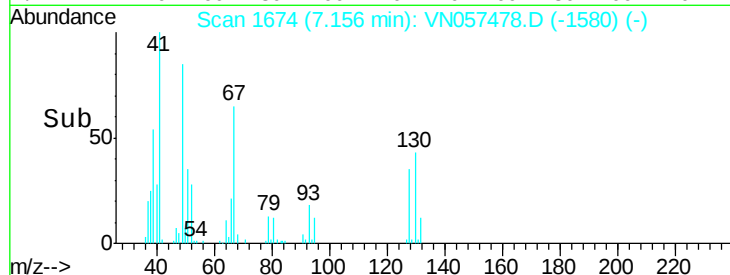
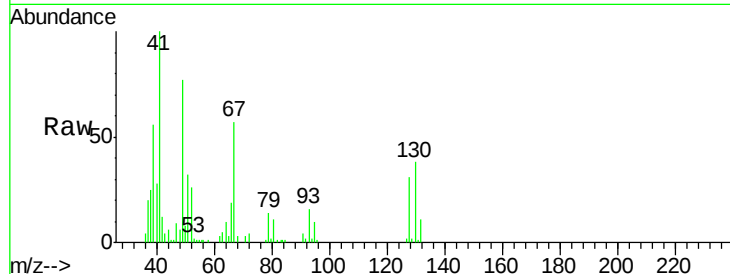
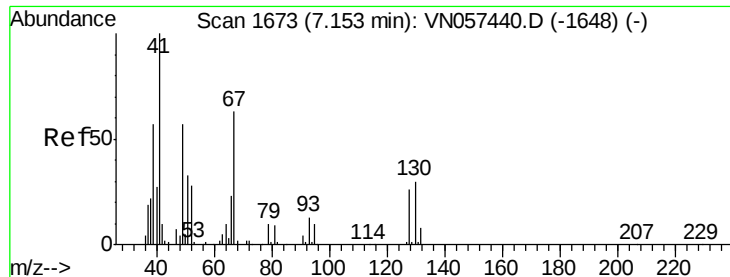
MMDadoda
8/26/2019 1:13:11 PM



#40
Benzene
Concen: 17.410 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

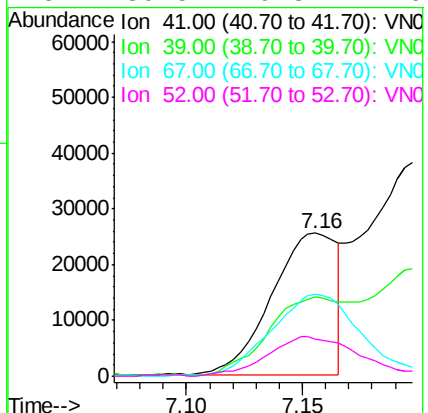
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	343091		
77	24.7	18.5	27.7	





#41
Methacrylonitrile
Concen: 15.921 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

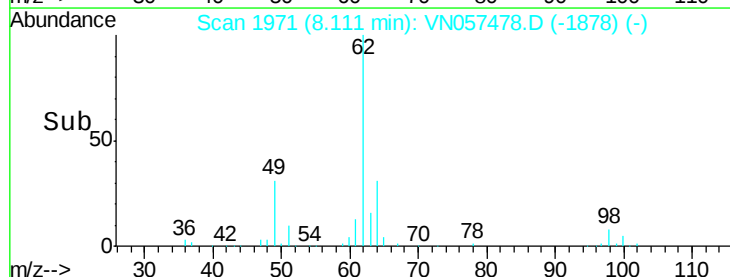
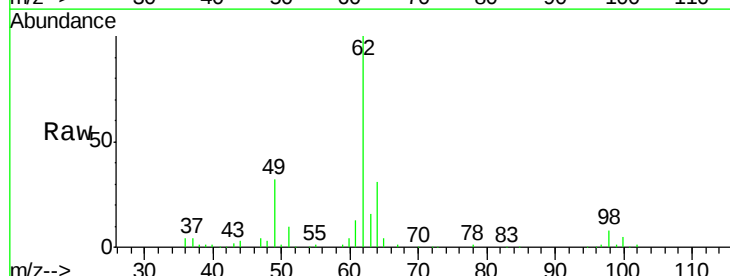
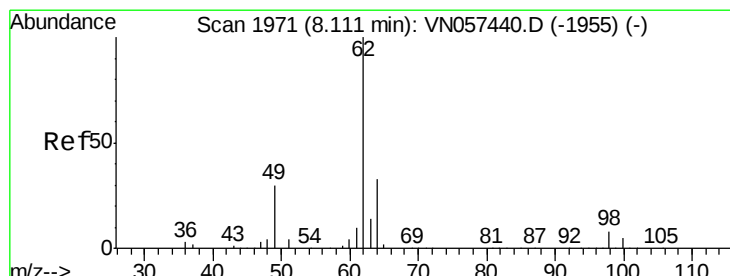
Tot Ion	41	Resp	49254
Ion	Ratio	Lower	Upper
41	100		
39	62.6	53.6	80.4
67	81.7	65.4	98.2
52	39.5	29.8	44.6



Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

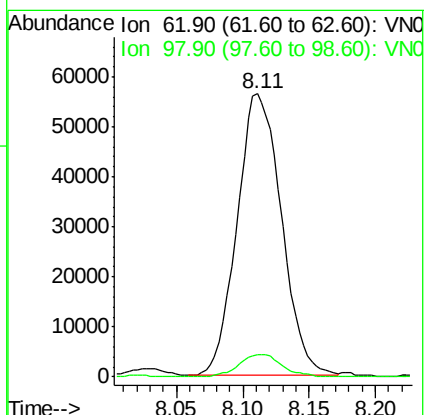
Manual Integrations
APPROVED

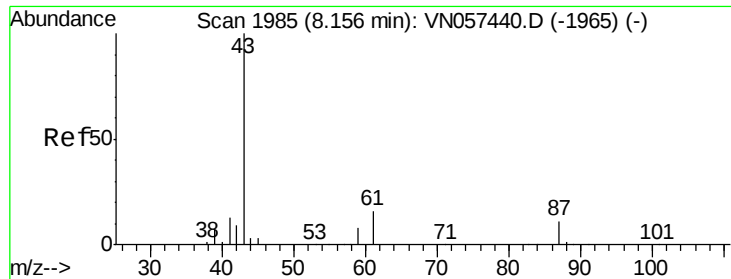
MMDadoda
8/26/2019 1:13:11 PM



#42
1,2-Dichloroethane
Concen: 17.316 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion	62	Resp	131384
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.4





#43

Isopropyl Acetate

Concen: 17.350 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

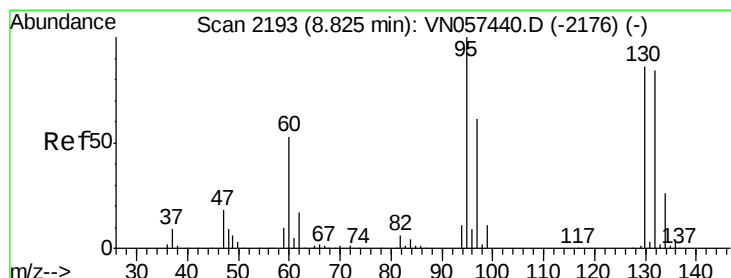
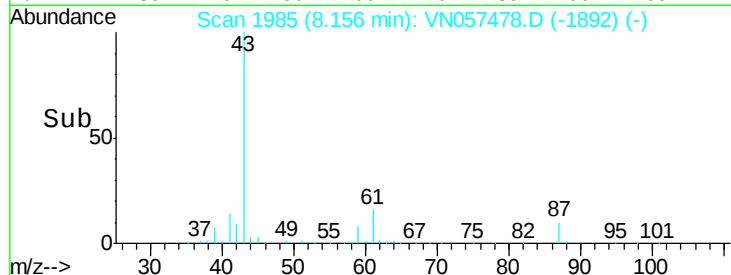
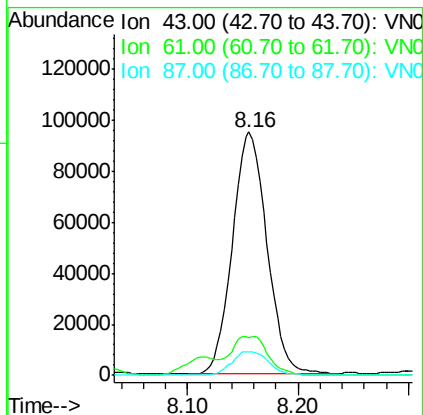
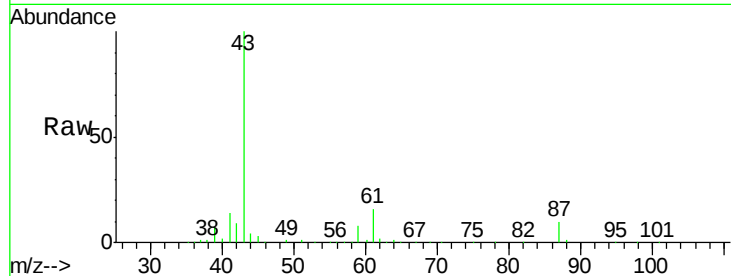
ClientSampleId :

VN0824WBSD01

Tot Ion:	43	Resp:	206399
Ion	Ratio	Lower	Upper
43	100		
61	16.6	14.5	21.7
87	10.5	8.6	12.8

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#44

Trichloroethene

Concen: 18.152 ug/l

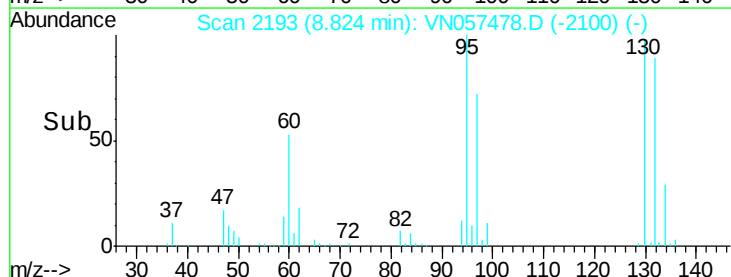
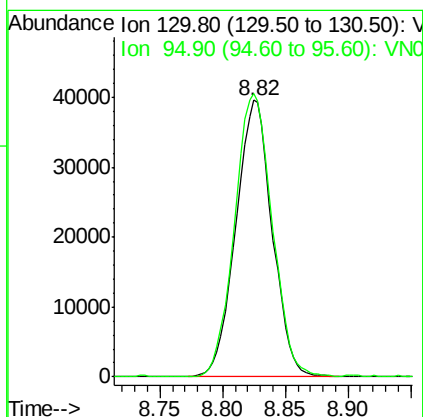
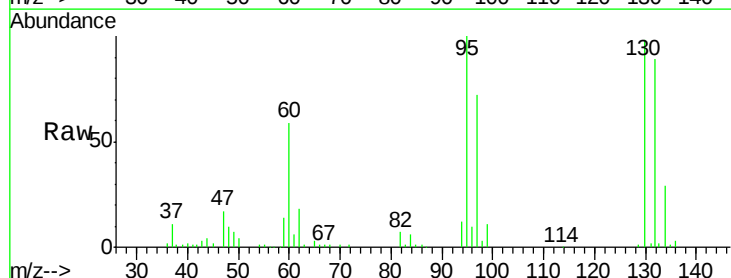
RT: 8.82 min Scan# 2193

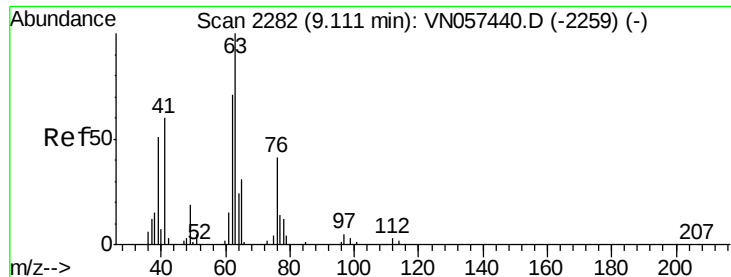
Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Tgt Ion:	130	Resp:	79847
Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	231.6





#45

1,2-Dichloropropane

Concen: 17.739 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion: 63 Resp: 98450

Ion Ratio Lower Upper

63 100

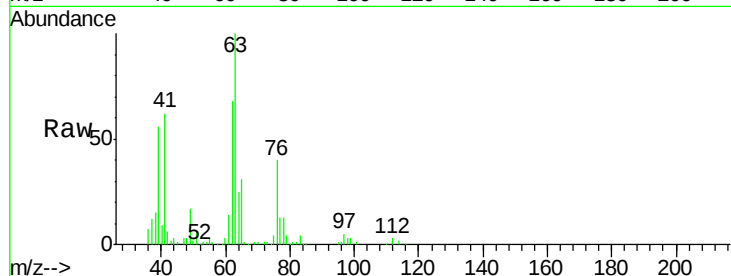
65 30.5 24.7 37.1

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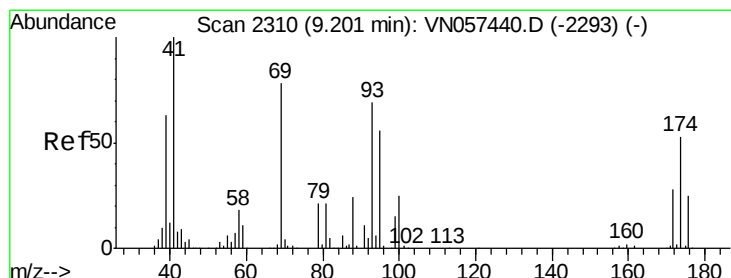
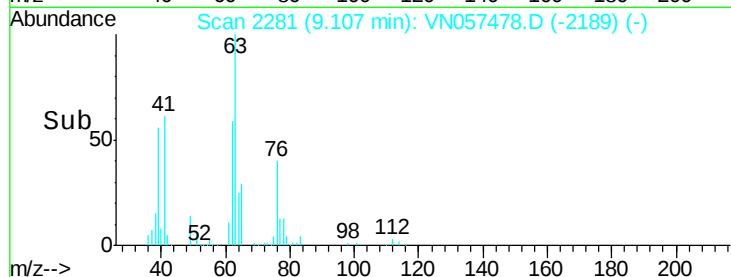
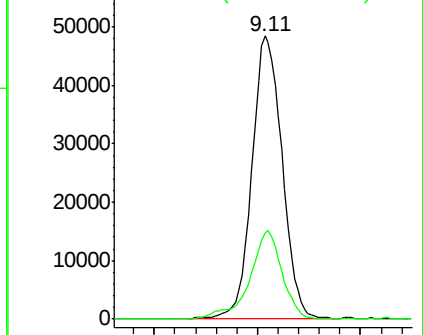
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 17.463 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

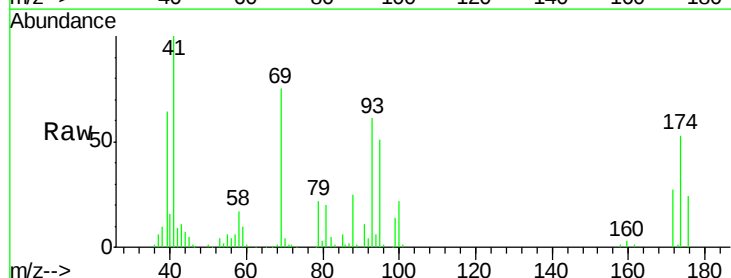
Tgt Ion: 93 Resp: 57604

Ion Ratio Lower Upper

93 100

95 82.5 64.7 97.1

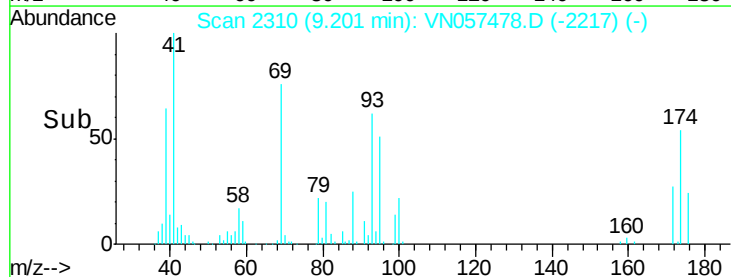
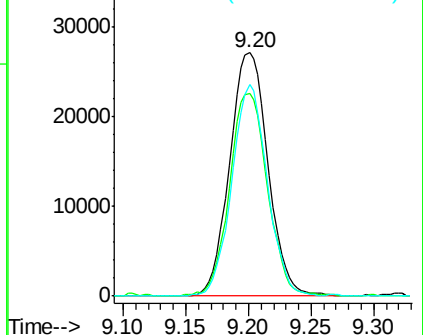
174 80.5 62.3 93.5

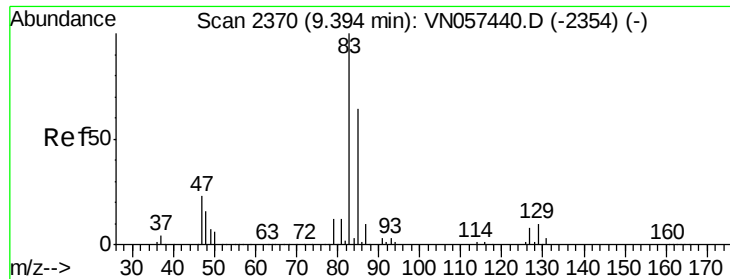


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





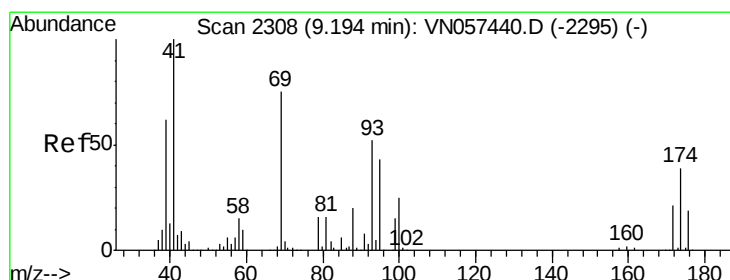
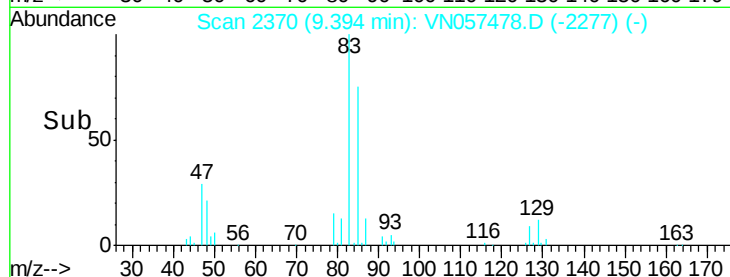
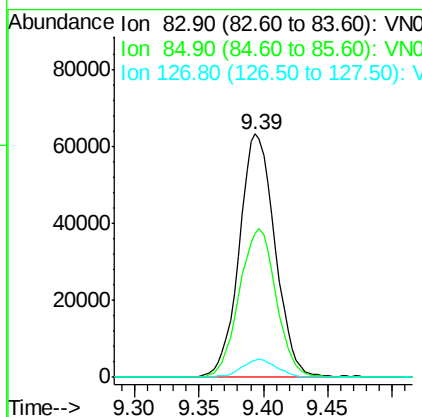
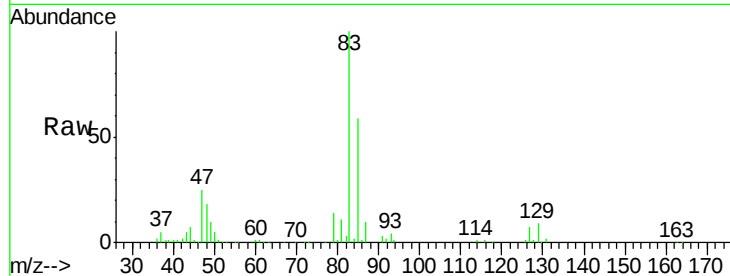
#47
Bromodichloromethane
Concen: 16.676 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	122101		
85	59.2		51.2	76.8
127	7.1		6.6	10.0

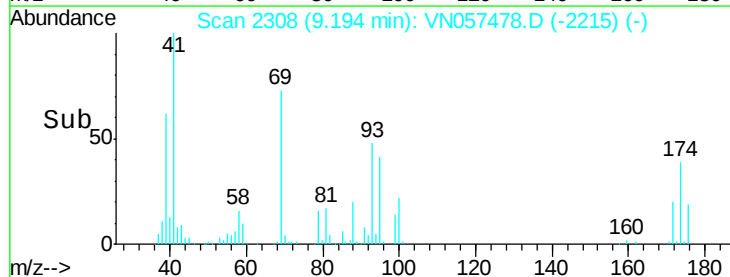
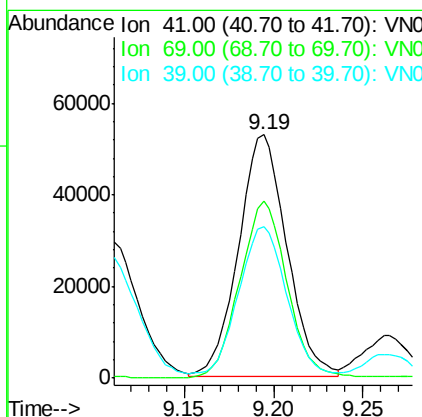
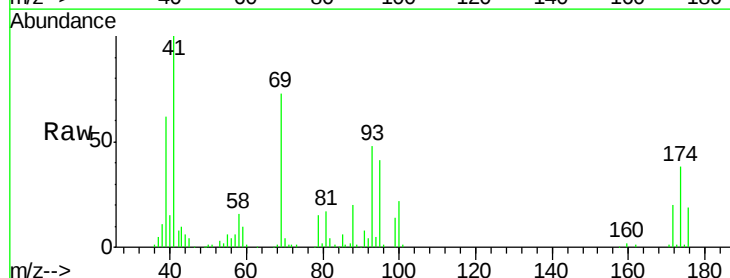
Manual Integrations
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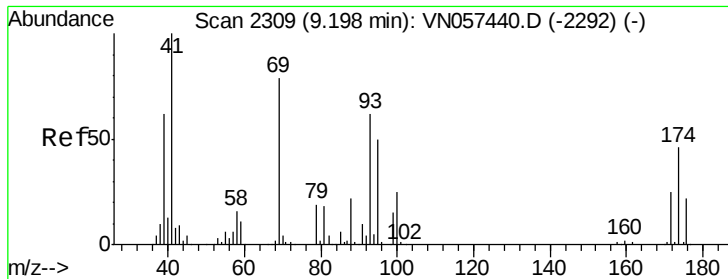
MMDadoda
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#48
Methyl methacrylate
Concen: 17.595 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	99532		
69	72.2		59.3	88.9
39	62.1		50.6	75.8





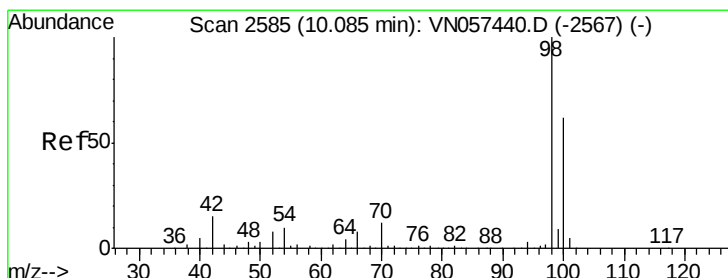
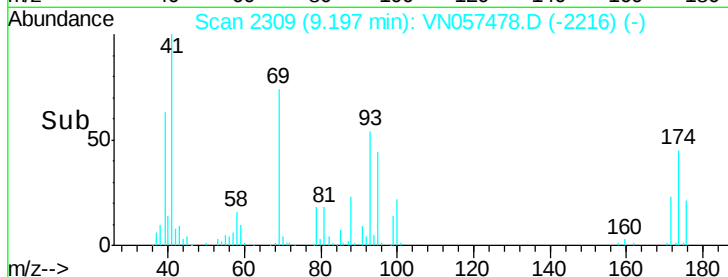
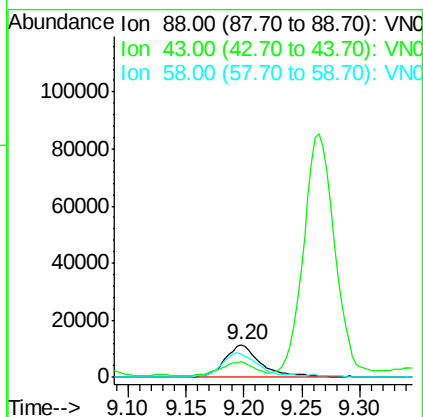
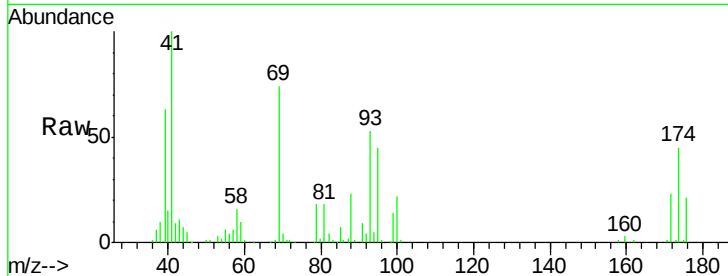
#49
1,4-Dioxane
Concen: 339.192 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	88	Resp	24812
Ion Ratio	Lower	Upper	
88	100		
43	39.0	31.0	46.6
58	77.3	64.5	96.7

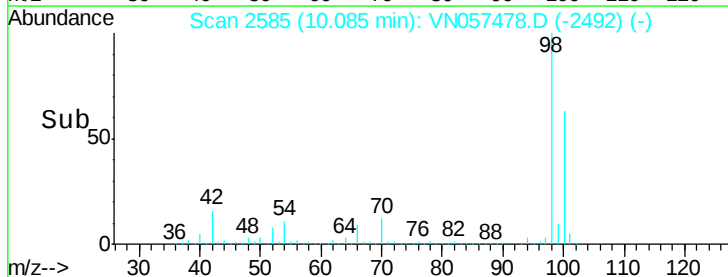
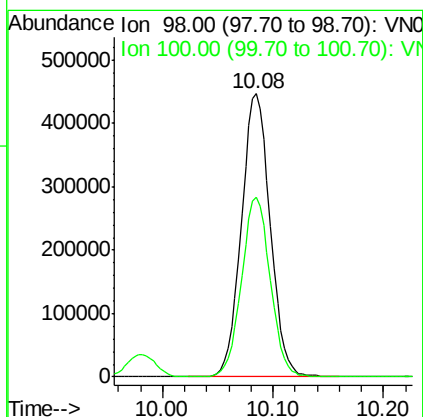
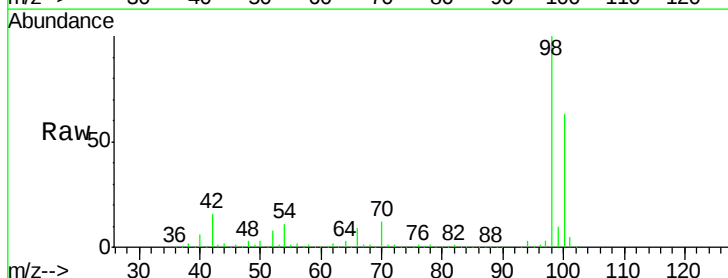
Manual Integrations
APPROVED

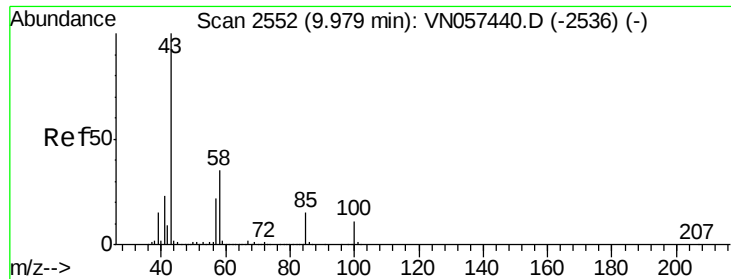
MMDadoda
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#50
Toluene-d8
Concen: 49.193 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion	98	Resp	807316
Ion Ratio	Lower	Upper	
98	100		
100	63.0	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 86.019 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion: 43 Resp: 570293

Ion Ratio Lower Upper

43 100

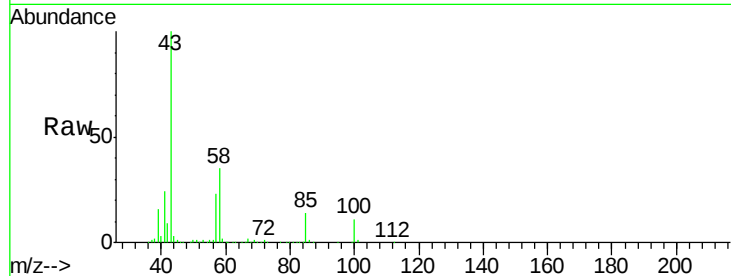
58 35.2 27.9 41.9

Manual Integrations

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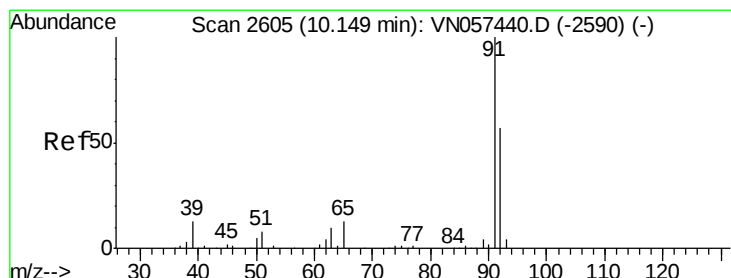
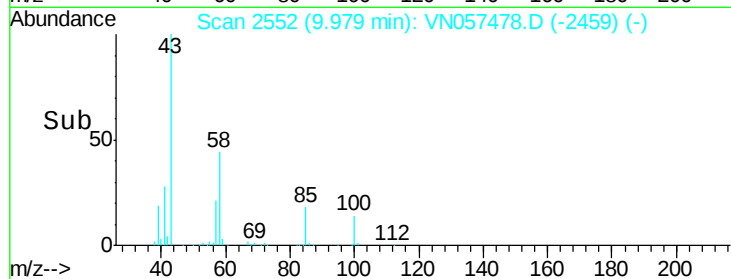
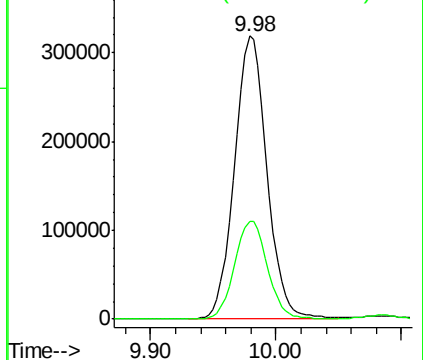
MMDadoda

8/26/2019 1:13:11 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 17.764 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057478.D

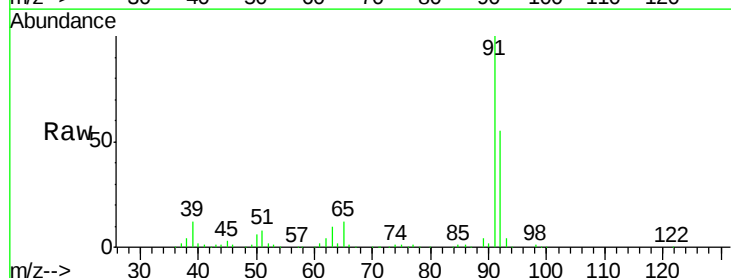
Acq: 23 Aug 2019 17:54

Tgt Ion: 92 Resp: 201760

Ion Ratio Lower Upper

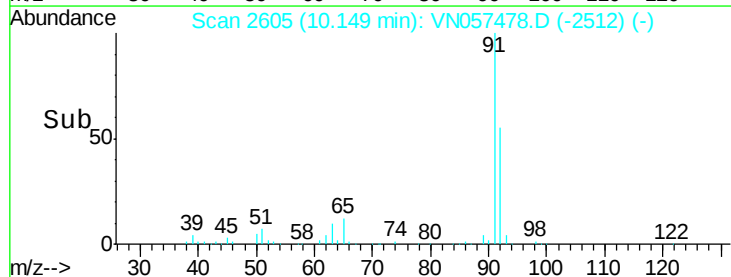
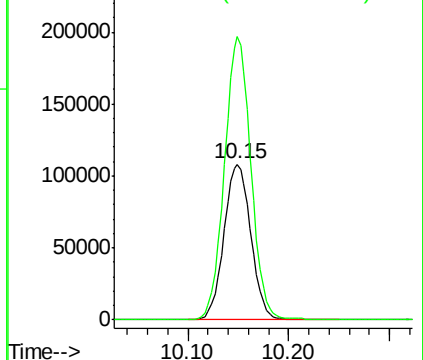
92 100

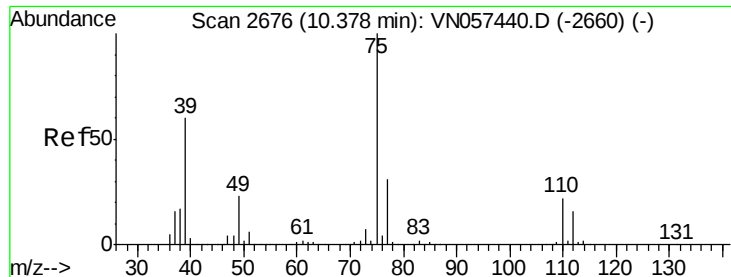
91 178.2 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





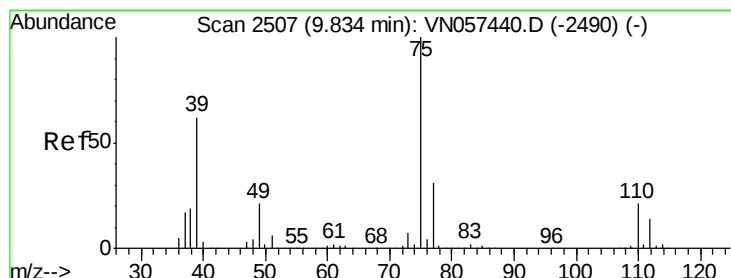
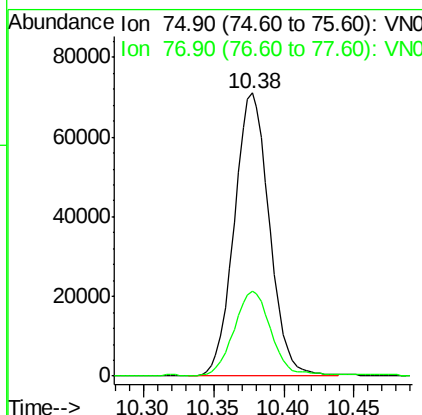
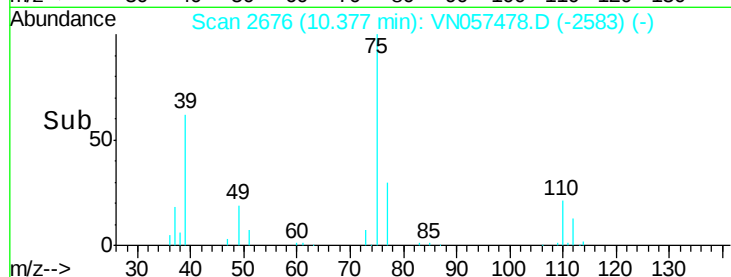
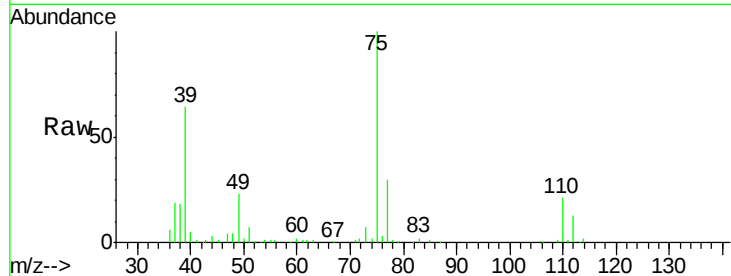
#53
t-1,3-Dichloropropene
Concen: 16.167 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.6	25.0	37.6

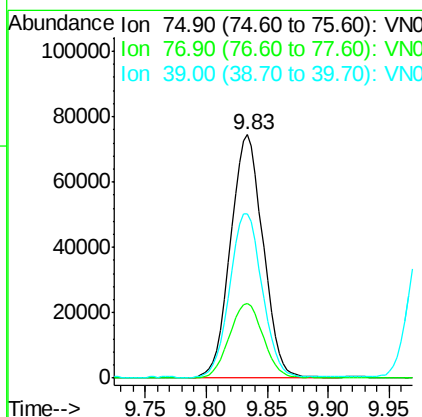
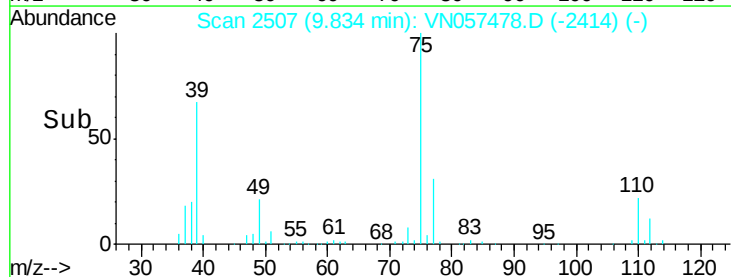
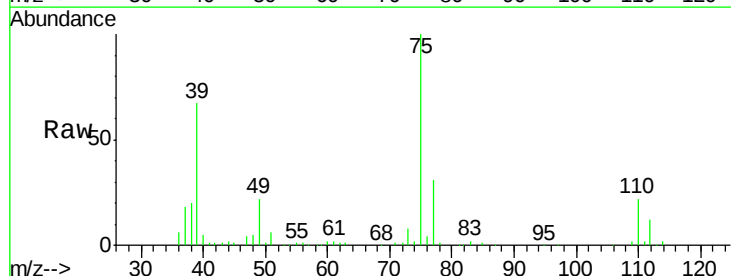
Manual Integrations
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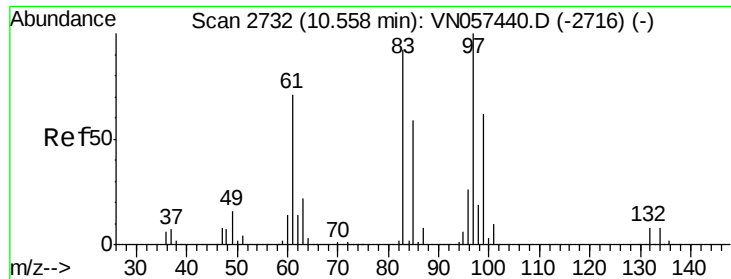
MMDadoda
8/26/2019 1:13:11 PM



#54
cis-1,3-Dichloropropene
Concen: 16.229 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.0	37.6
39	67.2	49.2	73.8





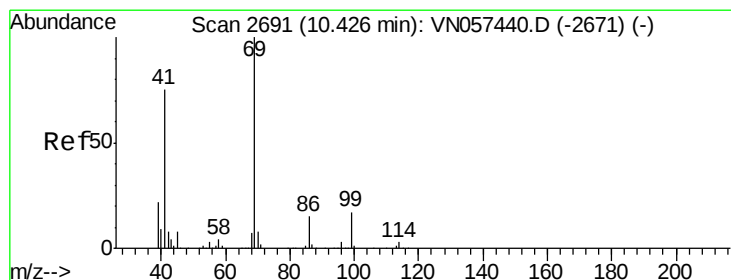
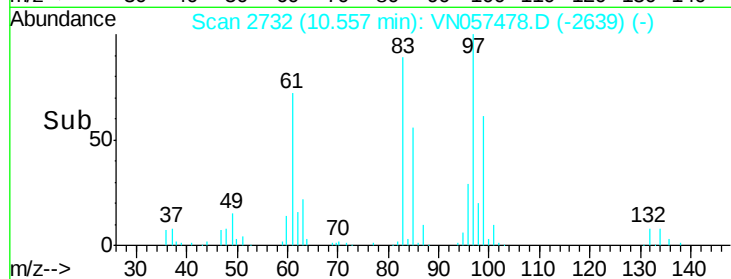
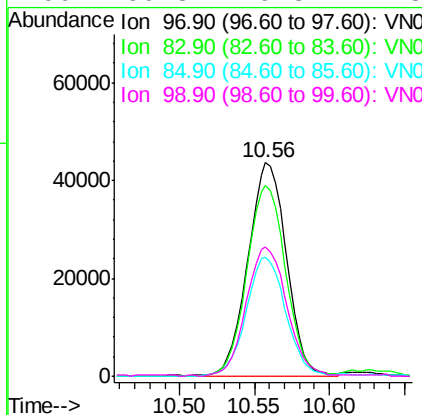
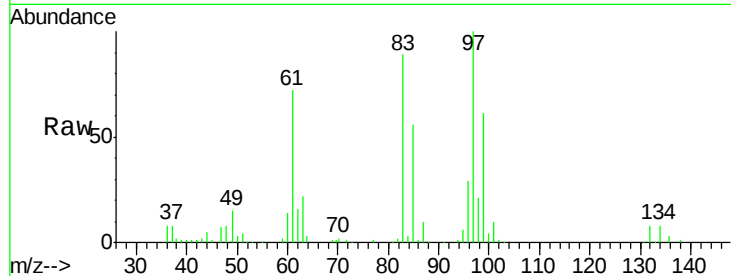
#55
 1,1,2-Trichloroethane
 Concen: 17.079 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tot Ion:	97	Resp:	78445
Ion	Ratio	Lower	Upper
97	100		
83	89.0	73.7	110.5
85	56.0	46.8	70.2
99	60.3	49.8	74.8

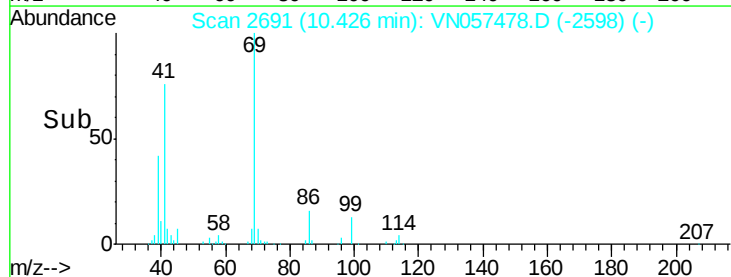
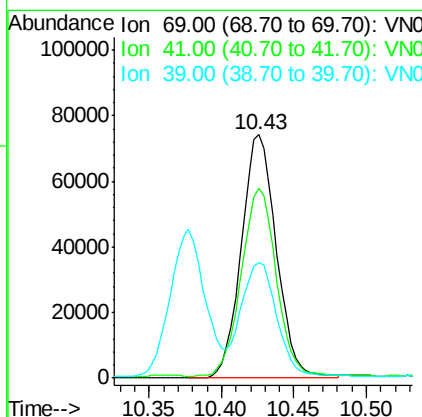
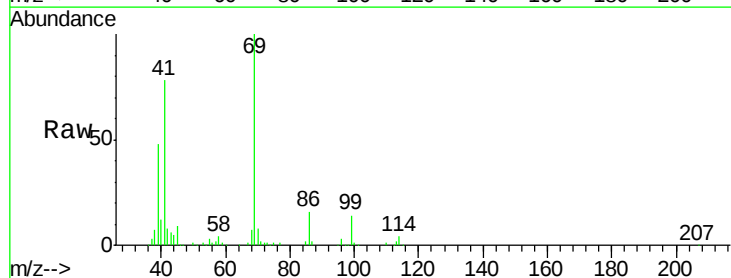
Manual Integrations
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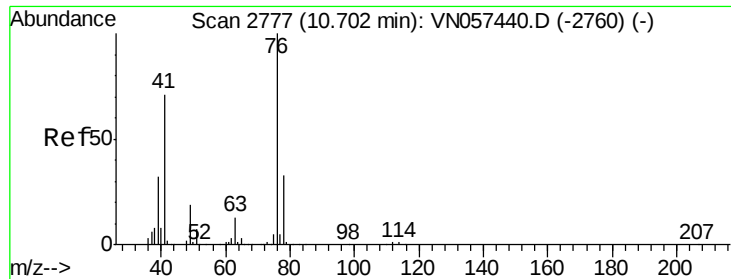
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 8/26/2019 1:13:11 PM



#56
 Ethyl methacrylate
 Concen: 17.292 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion:	69	Resp:	124938
Ion	Ratio	Lower	Upper
69	100		
41	77.3	60.8	91.2
39	46.8	36.5	54.7





#57

1,3-Dichloropropane

Concen: 17.560 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion: 76 Resp: 140373

Ion Ratio Lower Upper

76 100

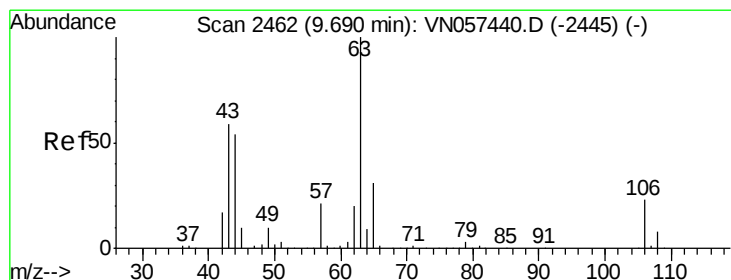
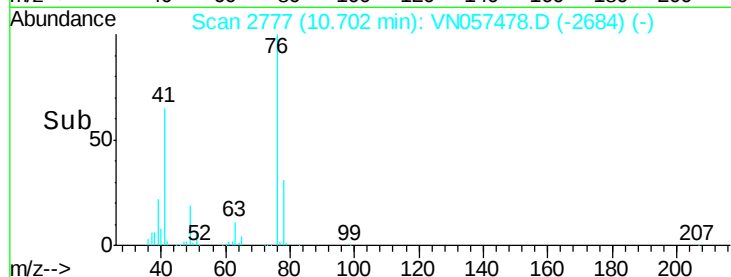
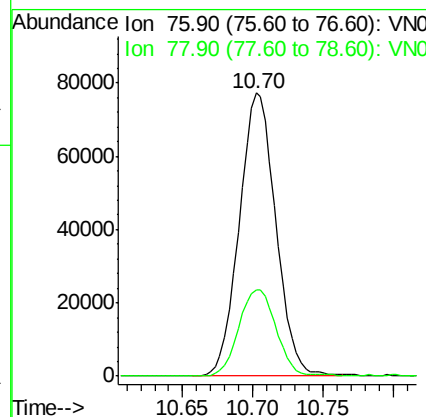
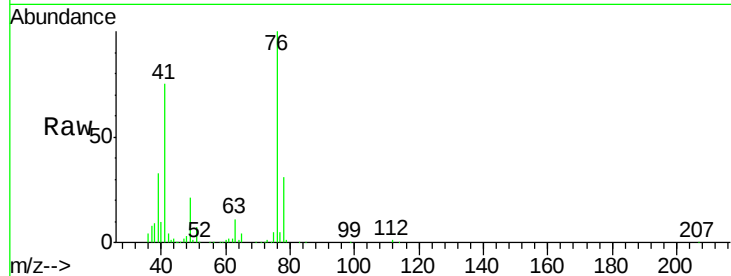
78 31.1 25.5 38.3

Manual Integrations

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8/26/2019 1:13:11 PM



#58

2-Chloroethyl Vinyl ether

Concen: 119.802 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057478.D

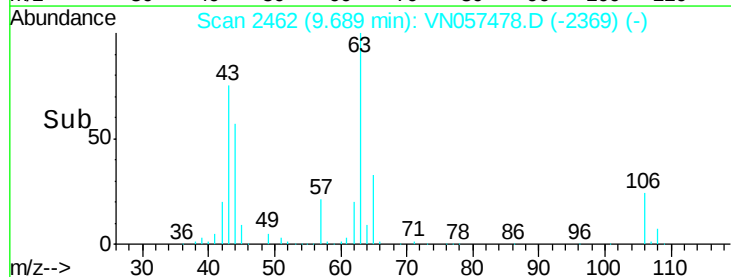
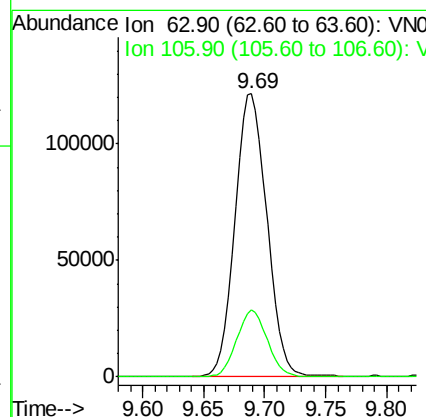
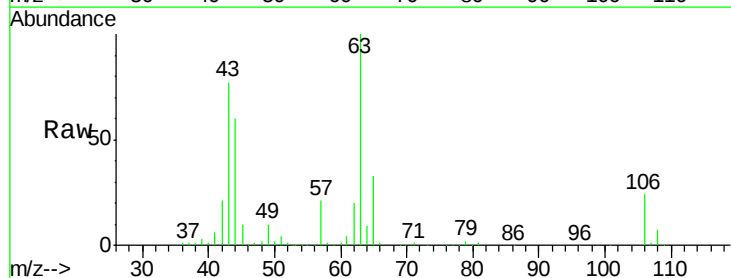
Acq: 23 Aug 2019 17:54

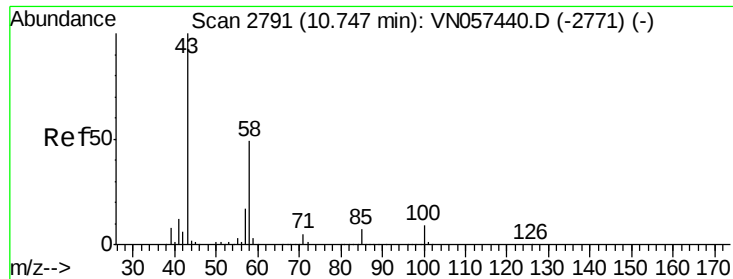
Tgt Ion: 63 Resp: 221882

Ion Ratio Lower Upper

63 100

106 22.5 18.6 27.8





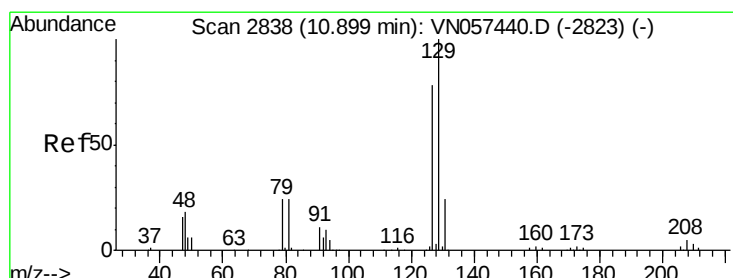
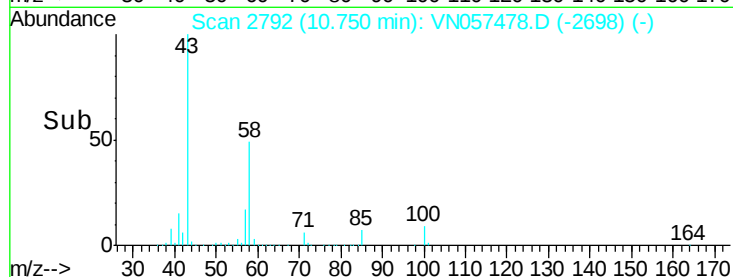
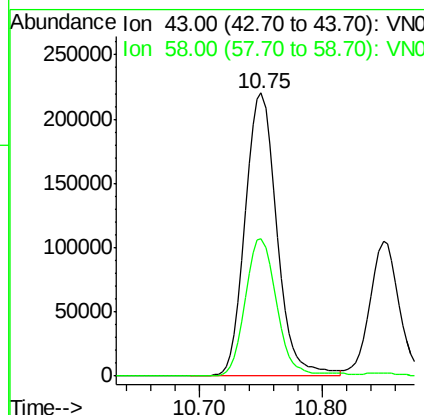
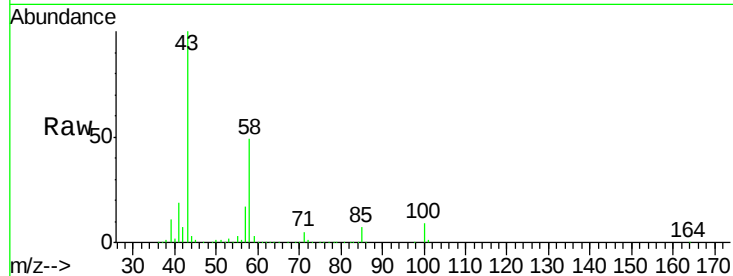
#59
2-Hexanone
Concen: 86.219 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.9	24.6	73.6

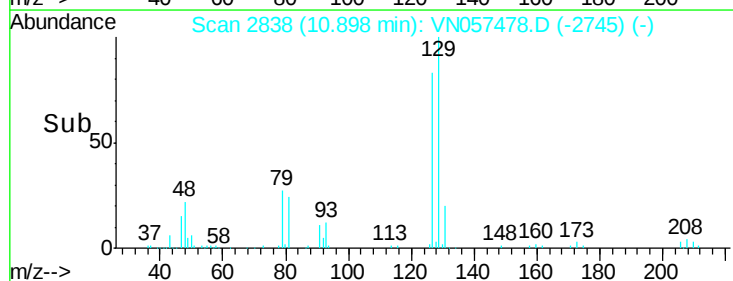
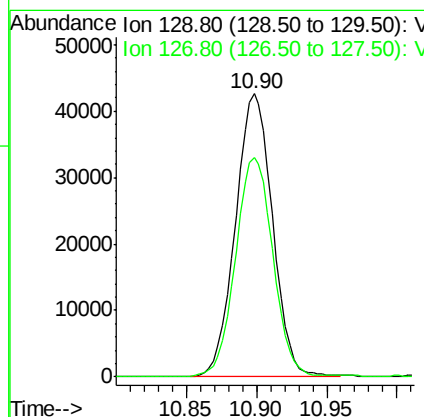
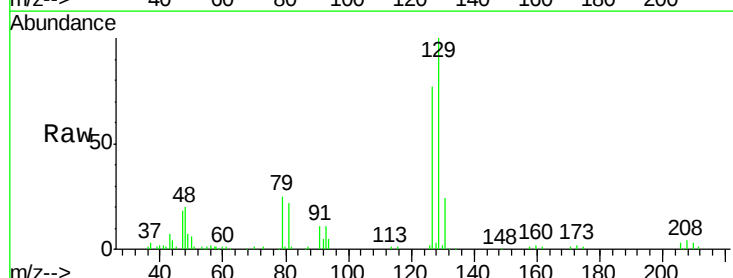
Manual Integrations
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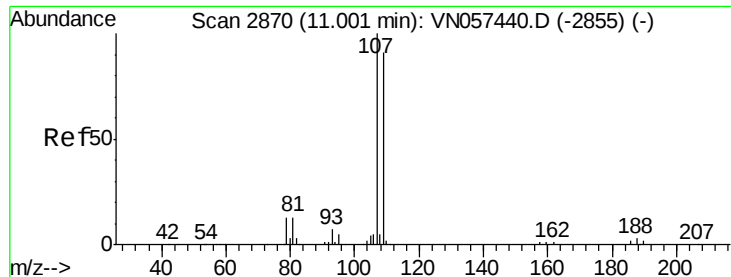
MMDadoda
8/26/2019 1:13:11 PM



#60
Dibromochloromethane
Concen: 16.175 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.0	116.9





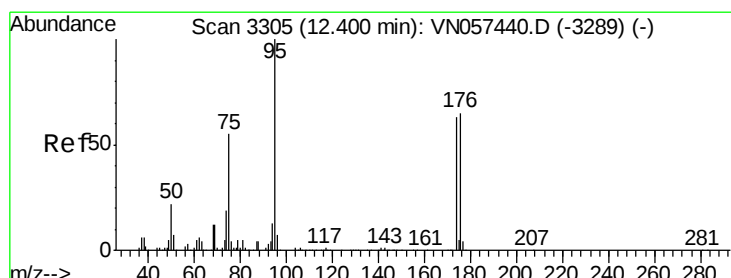
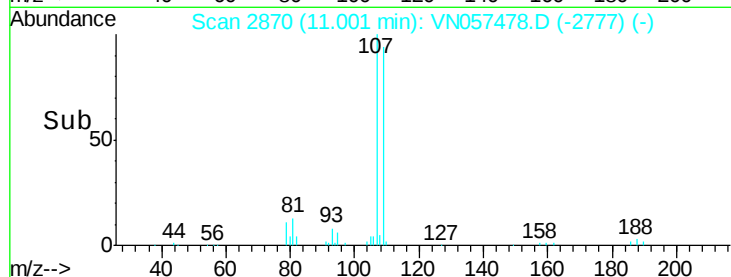
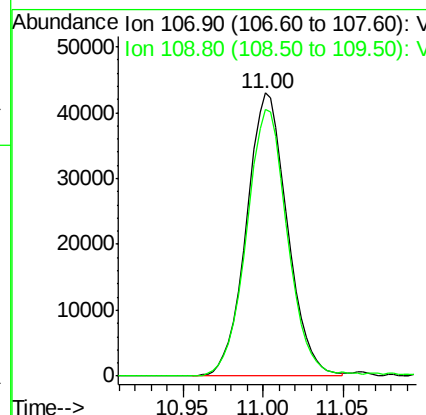
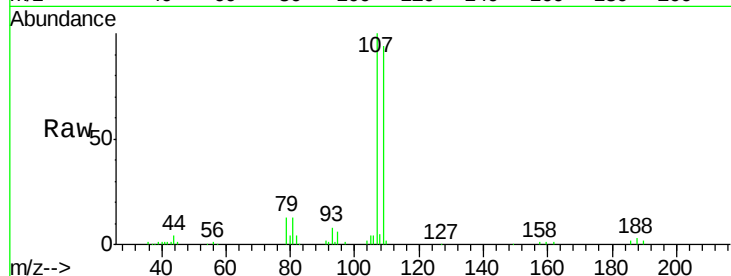
#61
 1,2-Dibromoethane
 Concen: 16.636 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tot Ion: 107 Resp: 74943
 Ion Ratio Lower Upper
 107 100
 109 94.8 73.8 110.8

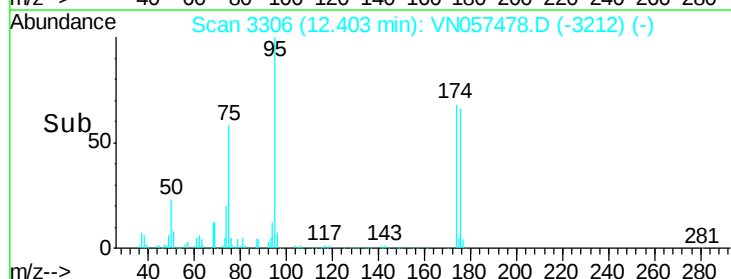
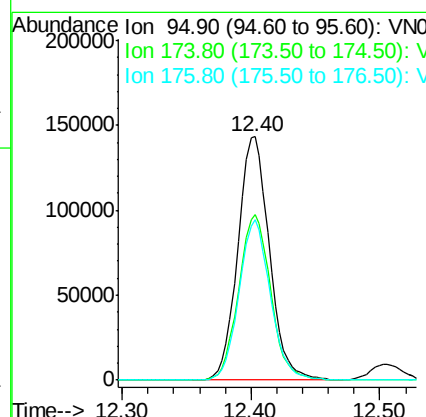
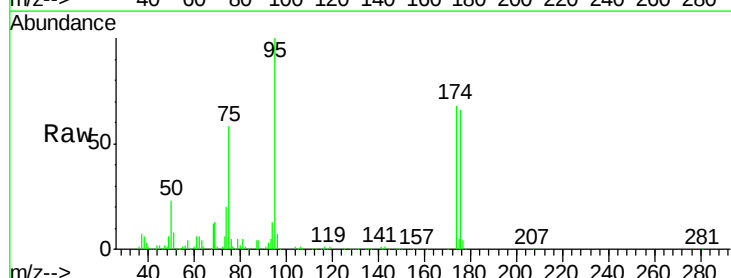
Manual Integrations
 APPROVED

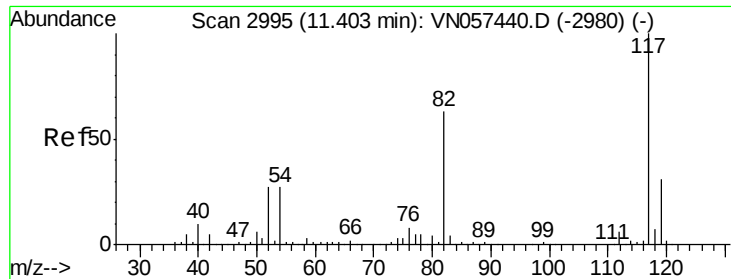
MMDadoda
 8/26/2019 1:13:11 PM



#62
 4-Bromofluorobenzene
 Concen: 43.870 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion: 95 Resp: 243982
 Ion Ratio Lower Upper
 95 100
 174 69.2 0.0 133.0
 176 65.6 0.0 130.8





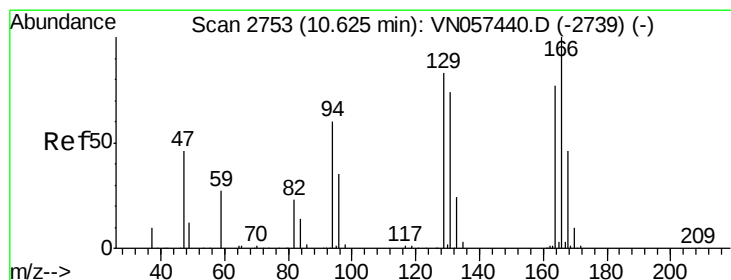
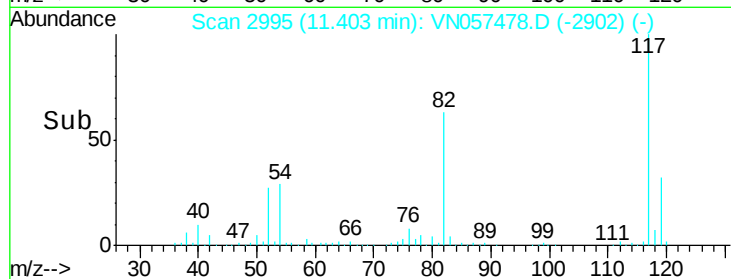
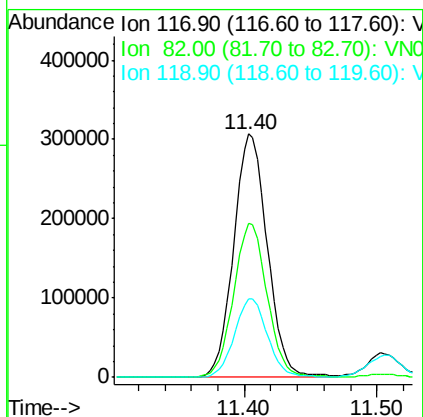
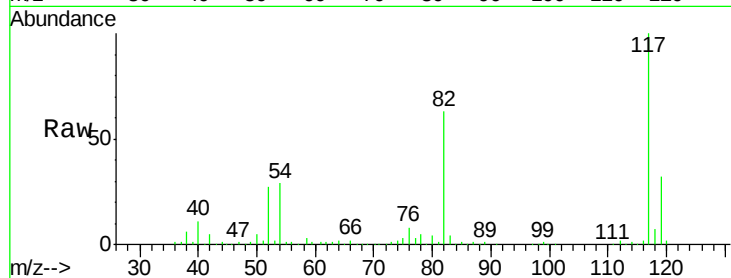
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.3	50.6	75.8
119	32.1	24.6	36.8

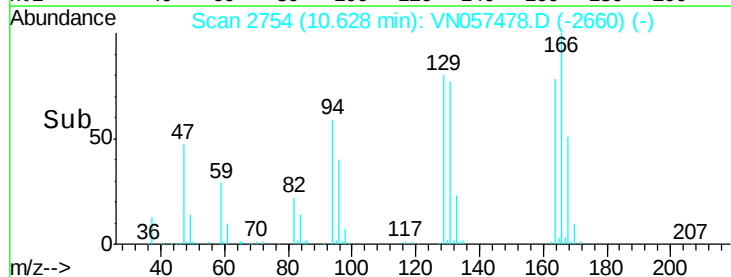
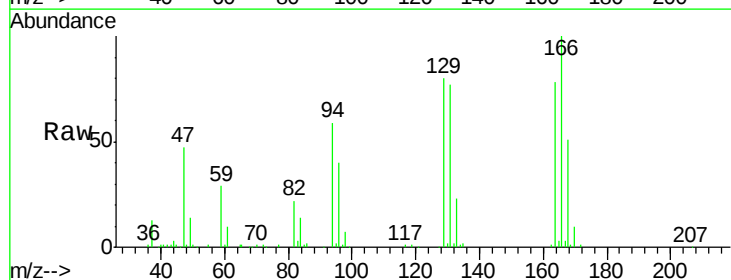
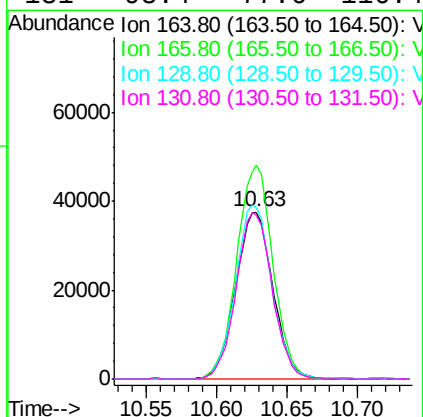
Manual Integrations
APPROVED

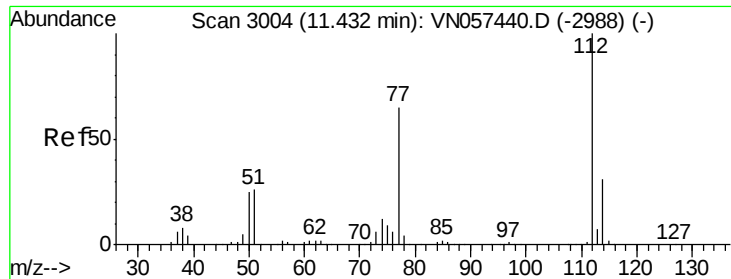
MMDadoda
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#64
Tetrachloroethene
Concen: 18.393 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	104.4	156.6
129	103.1	86.6	130.0
131	98.4	77.6	116.4





#65

Chlorobenzene

Concen: 17.078 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion:112 Resp: 186871

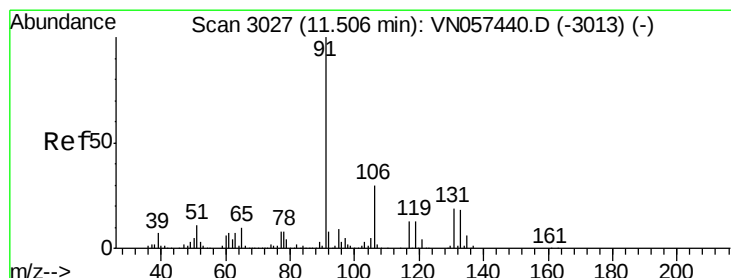
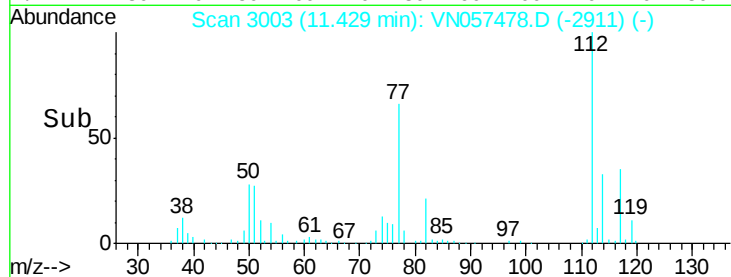
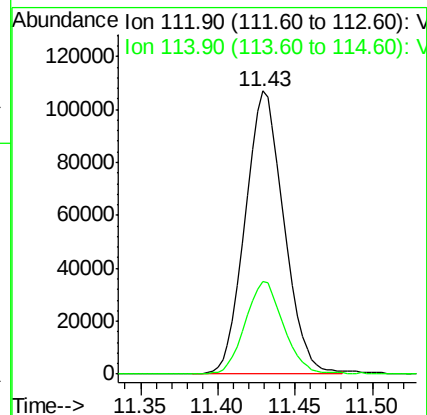
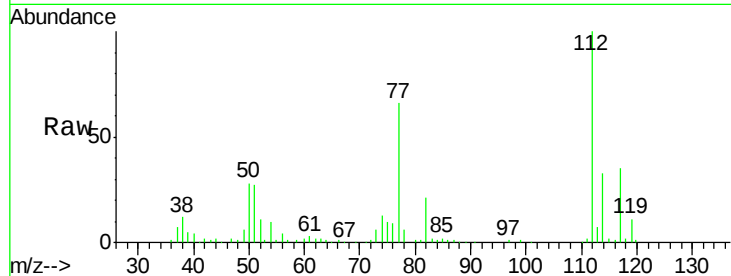
Ion Ratio Lower Upper

112 100

114 32.8 24.8 37.2

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 17.308 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

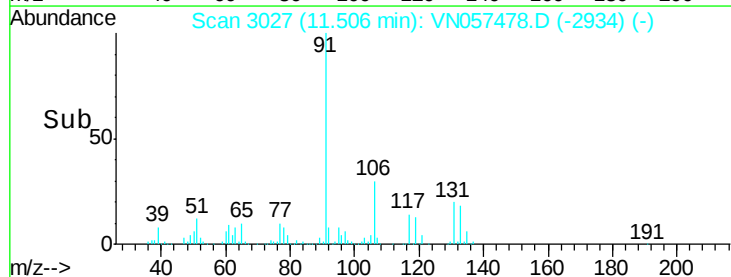
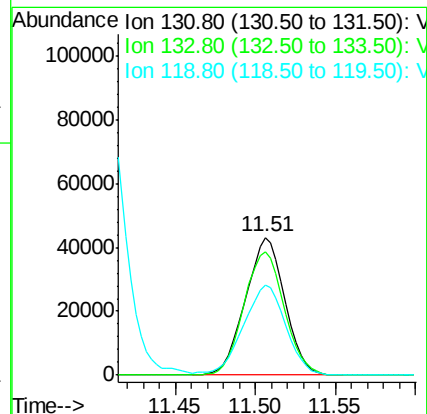
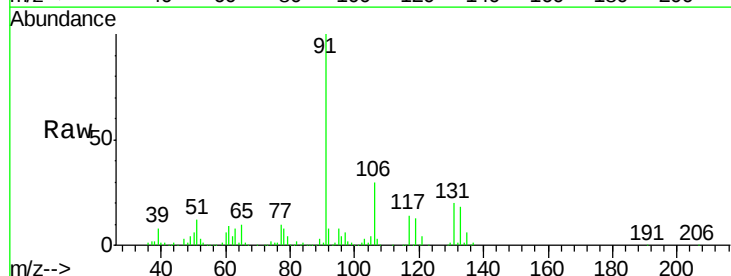
Tgt Ion:131 Resp: 72631

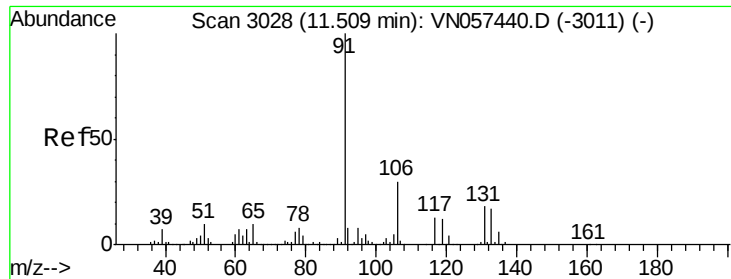
Ion Ratio Lower Upper

131 100

133 92.0 47.6 142.8

119 70.4 34.4 103.2





#67

Ethyl Benzene

Concen: 17.349 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion: 91 Resp: 367441

Ion Ratio Lower Upper

91 100

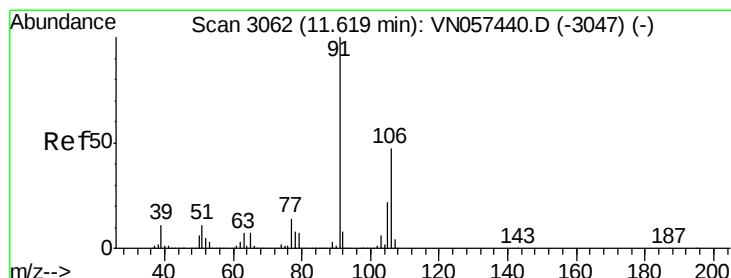
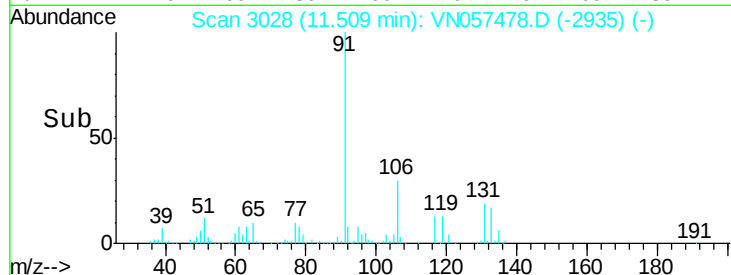
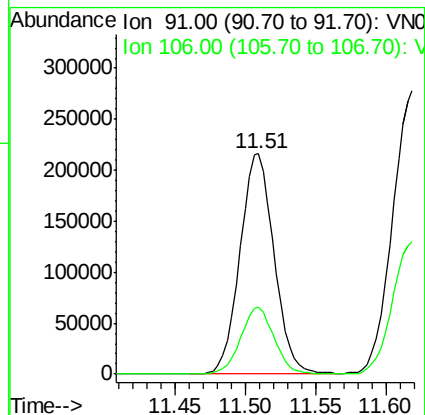
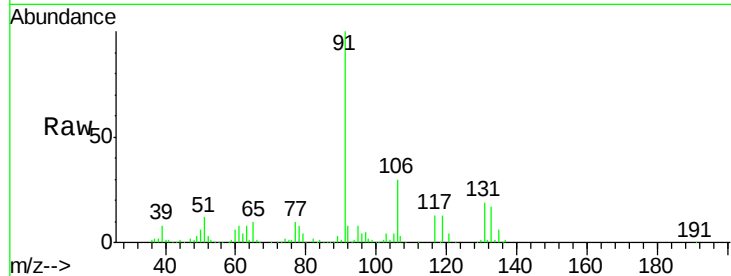
106 30.4 24.1 36.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 36.183 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057478.D

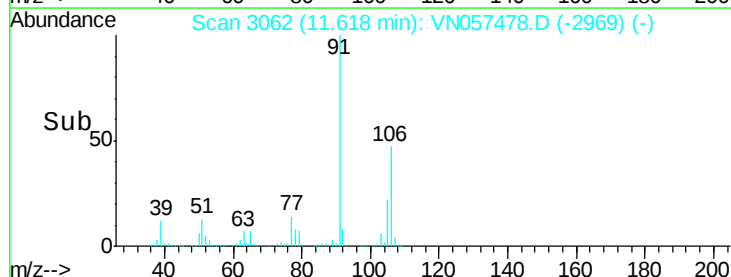
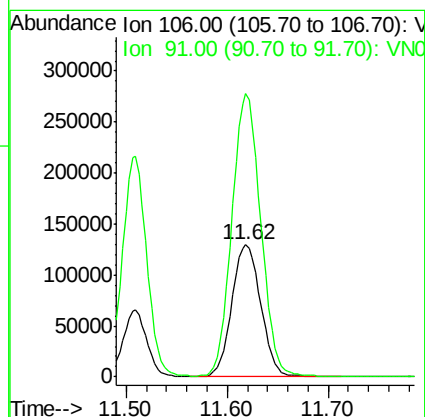
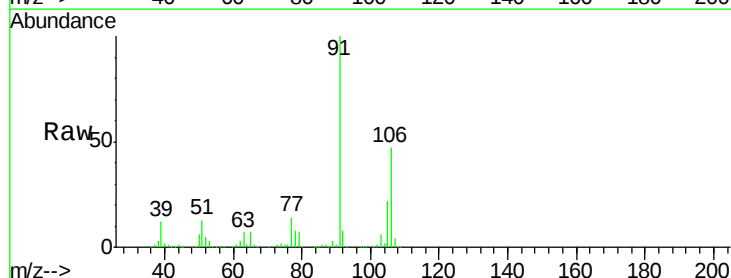
Acq: 23 Aug 2019 17:54

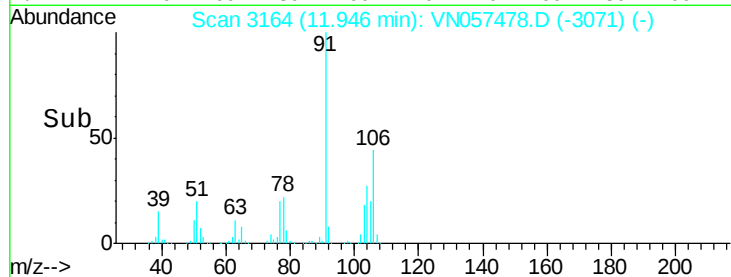
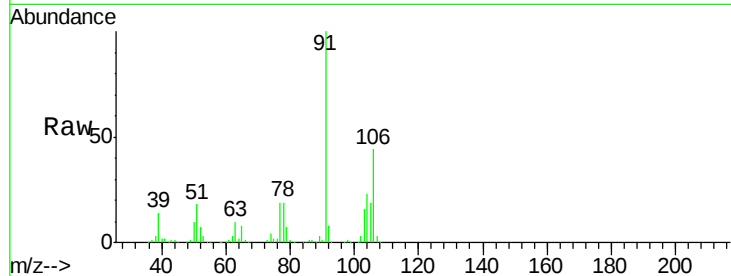
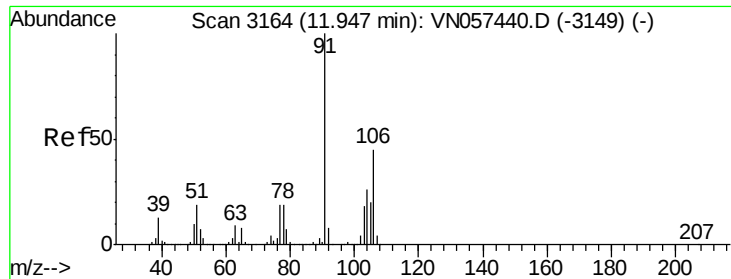
Tgt Ion: 106 Resp: 260615

Ion Ratio Lower Upper

106 100

91 212.5 171.8 257.6





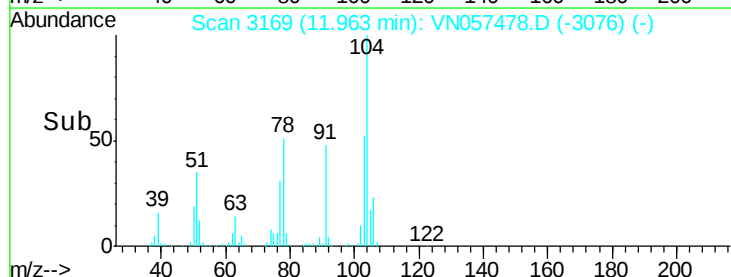
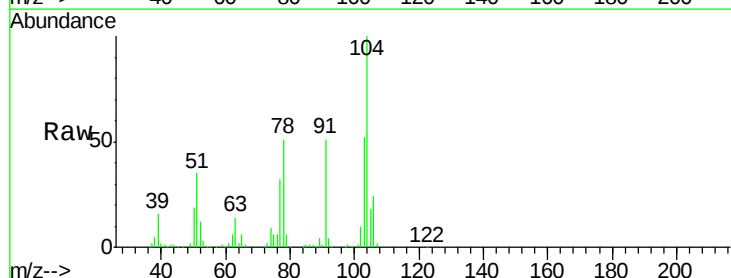
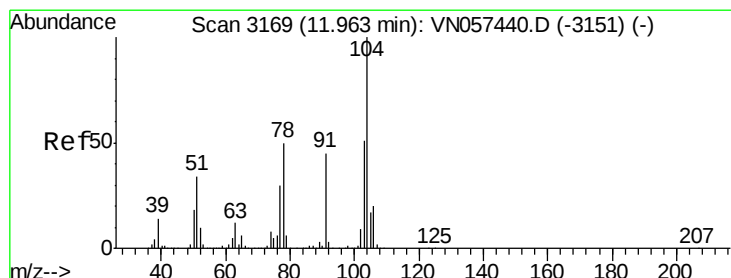
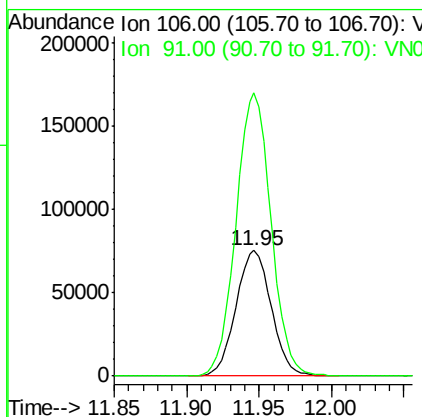
#69
o-Xylene
Concen: 17.917 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tot Ion	Ratio	Resp	Lower	Upper
106	100	127841		
91	223.6	112.3	336.9	

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

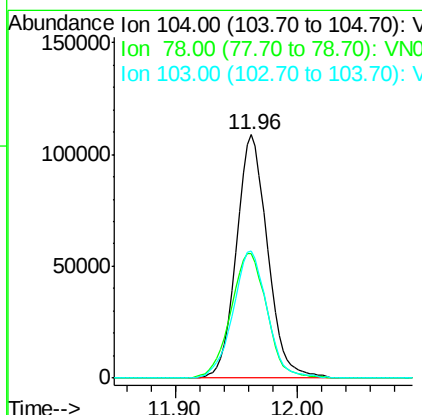
Manual Integrations
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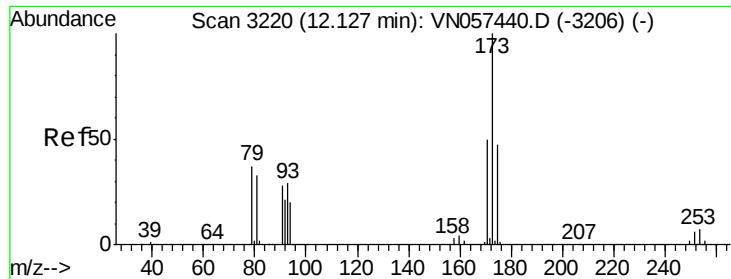
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#70
Styrene
Concen: 17.109 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	193294		
78	59.1	44.7	67.1	
103	57.3	44.4	66.6	





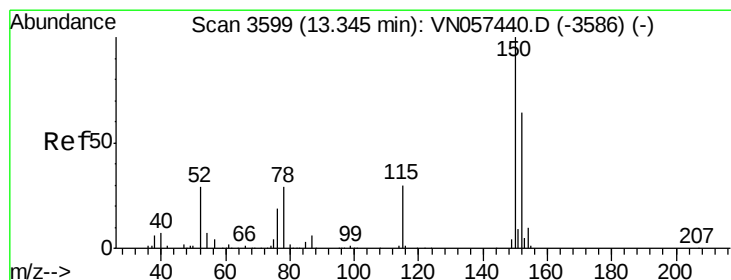
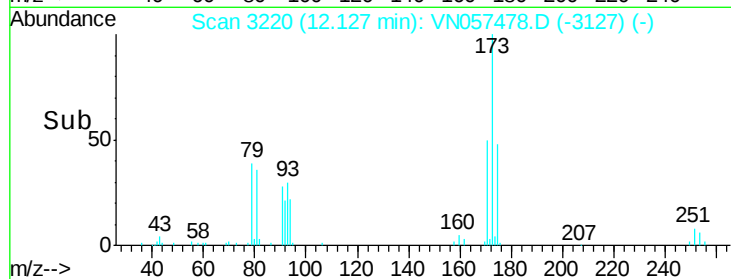
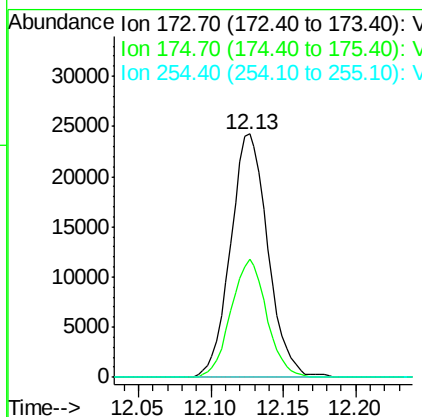
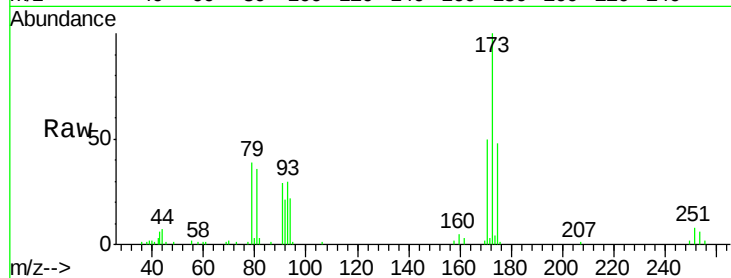
#71
Bromoform
Concen: 15.297 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.2	23.9	71.8
254	0.0	0.1	0.1#

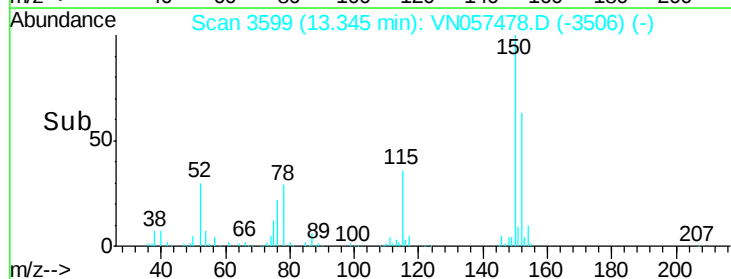
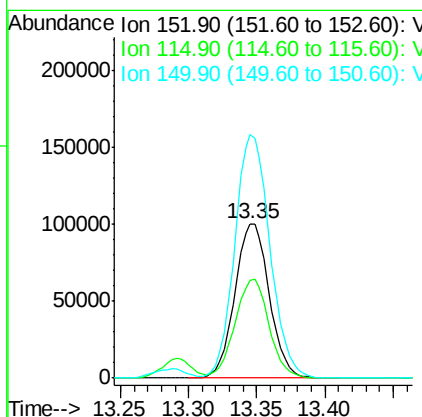
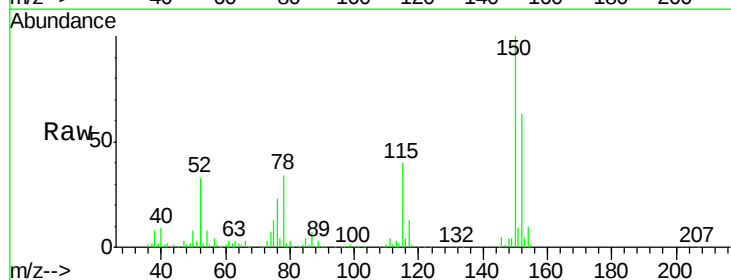
Manual Integrations
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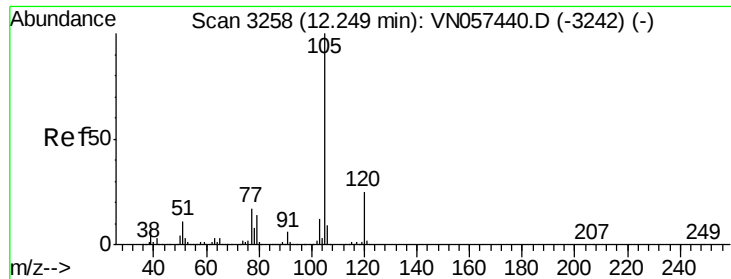
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	32.0	96.0
150	161.4	0.0	346.6





#73

Isopropylbenzene

Concen: 18.997 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion:105 Resp: 333950

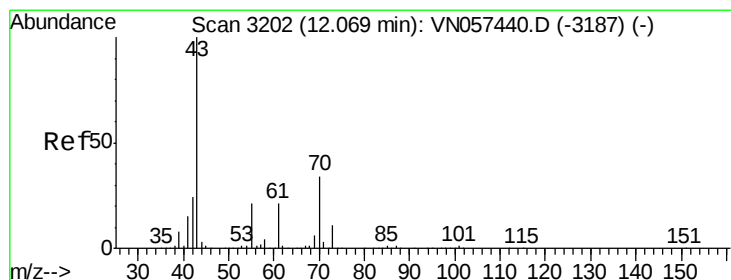
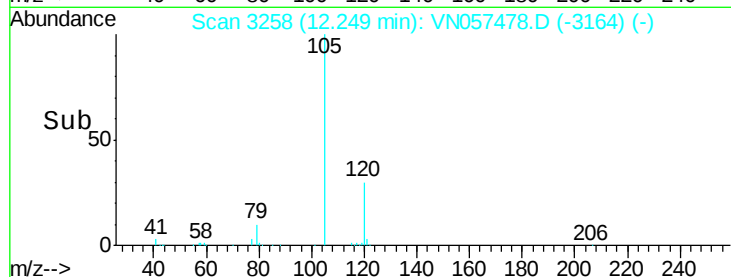
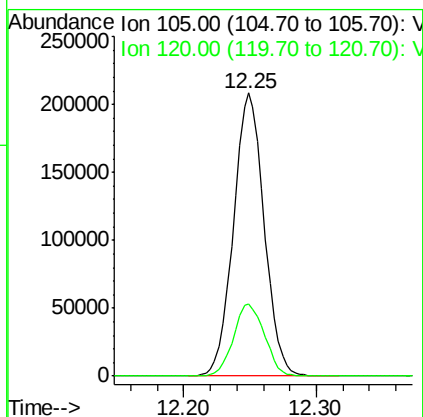
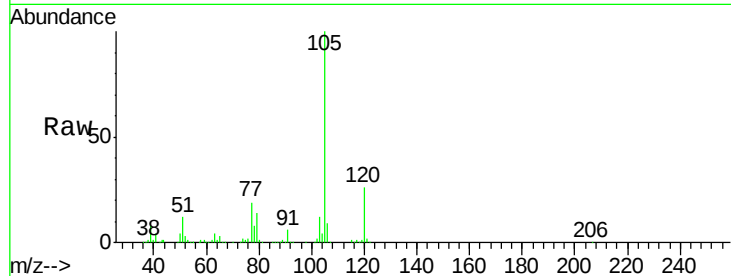
Ion Ratio Lower Upper

105 100

120 25.8 12.7 38.0

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#74

N-ethyl acetate

Concen: 18.882 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Tgt Ion: 43 Resp: 153882

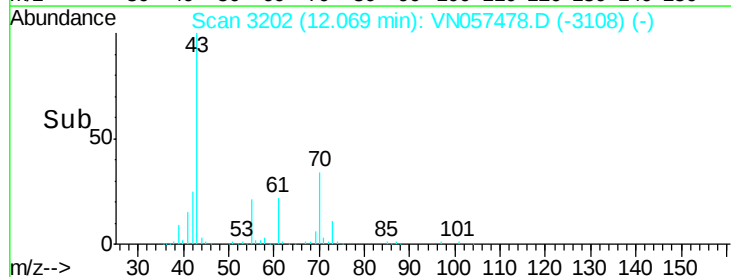
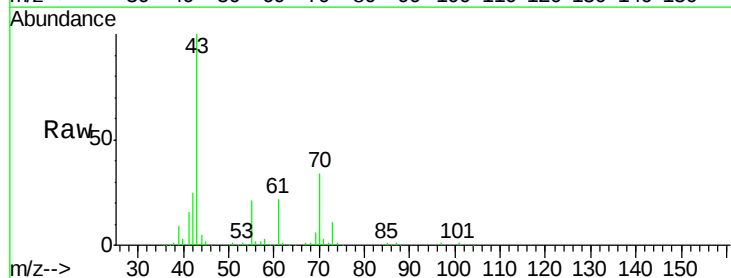
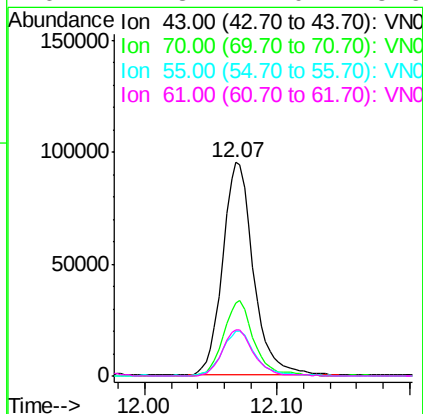
Ion Ratio Lower Upper

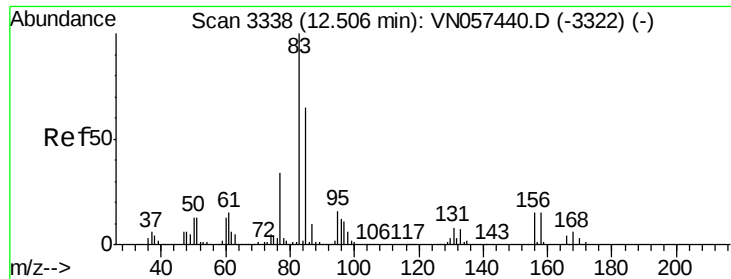
43 100

70 34.9 27.8 41.6

55 22.0 17.0 25.4

61 22.3 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.606 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

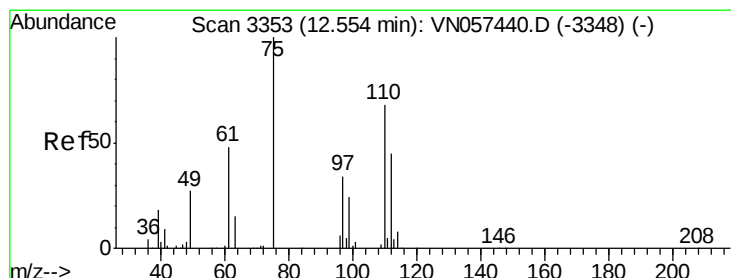
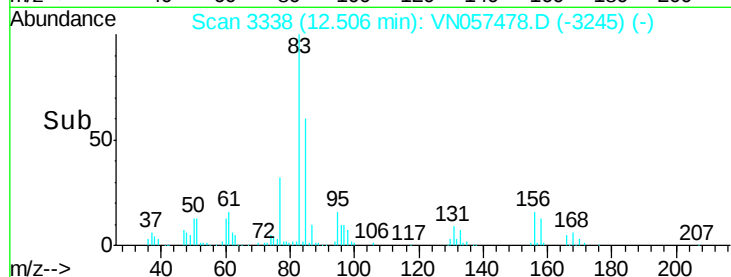
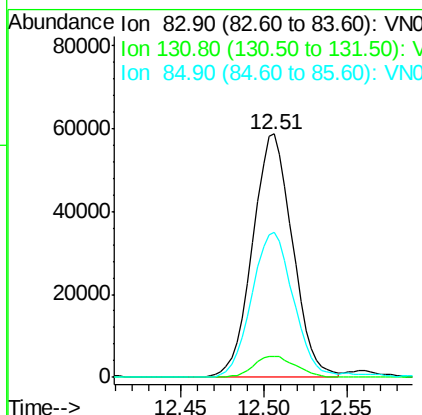
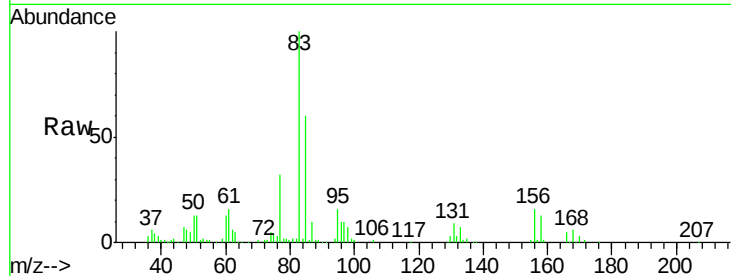
ClientSampleId :

VN0824WBSD01

Tot Ion:	83	Resp:	98402
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.3	13.1
85	63.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.522 ug/l m

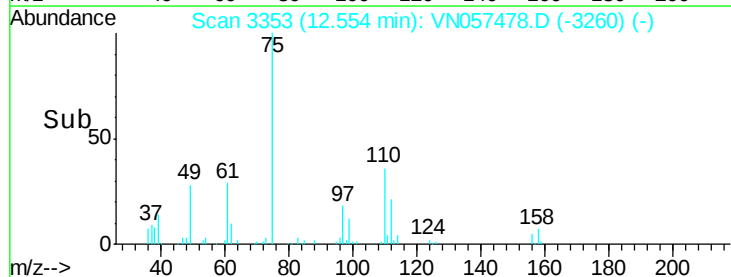
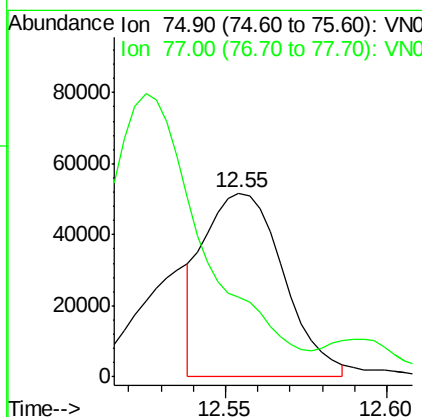
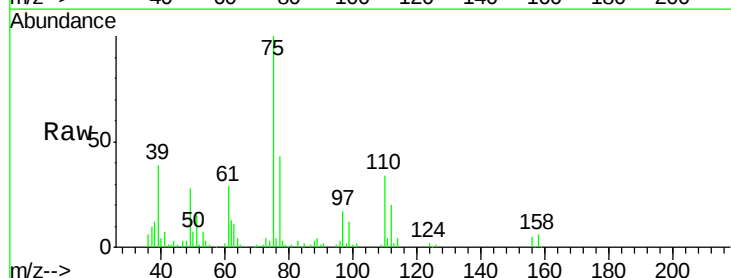
RT: 12.55 min Scan# 3353

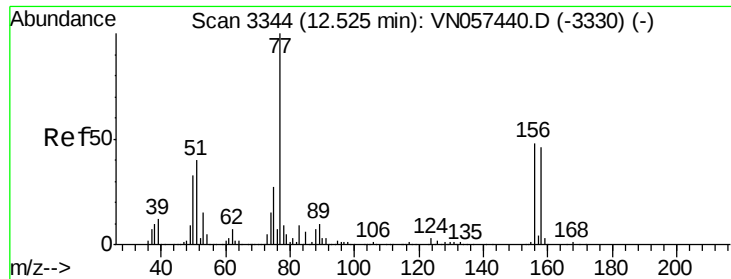
Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Tgt Ion:	75	Resp:	88263
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.616 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

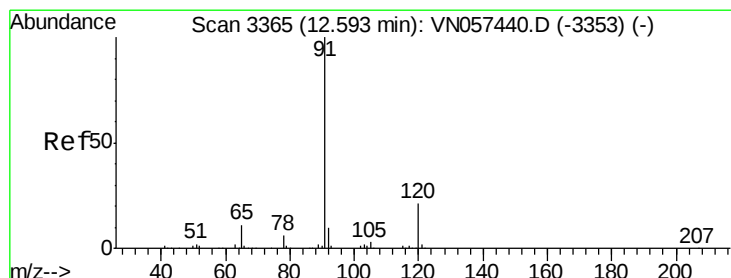
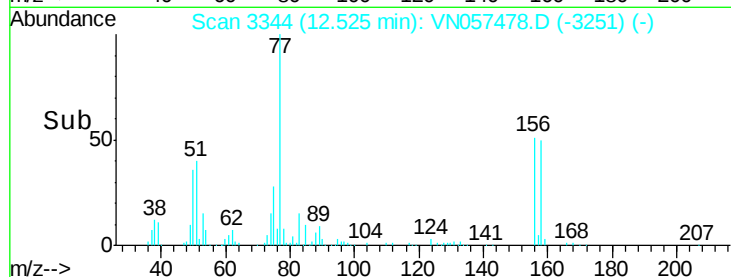
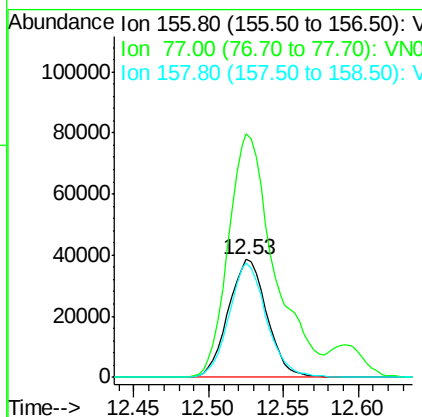
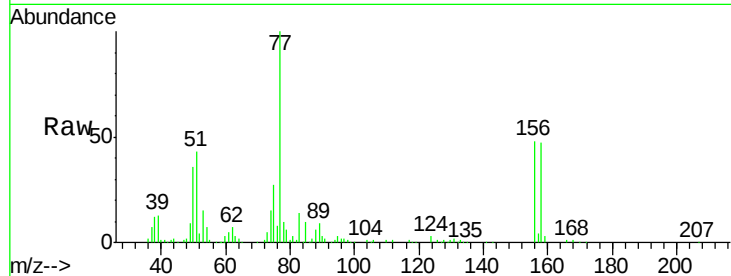
ClientSampleId :

VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	247.0	124.4	373.3
158	94.7	48.3	144.8

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#78

n-propylbenzene

Concen: 18.865 ug/l

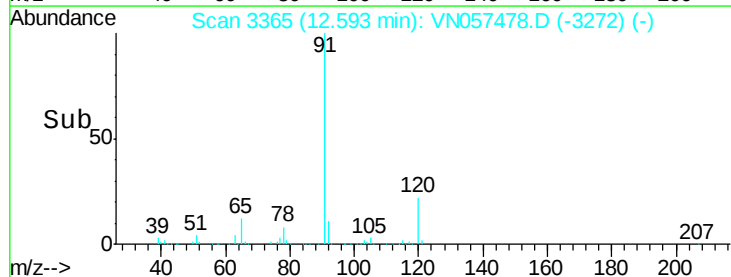
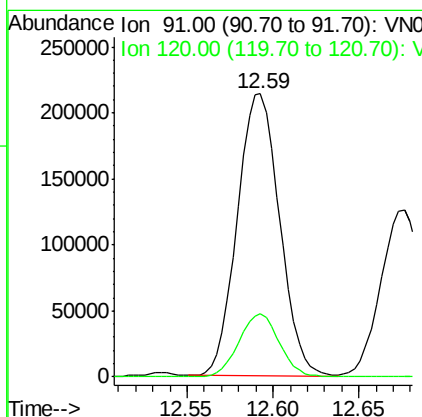
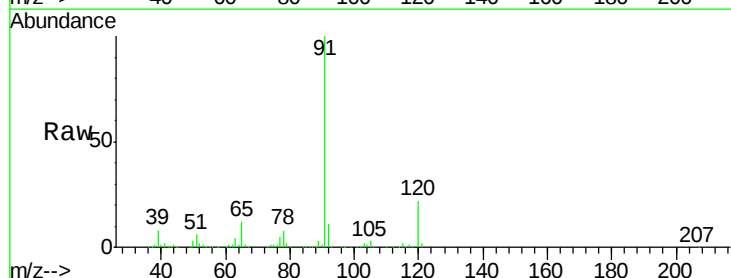
RT: 12.59 min Scan# 3365

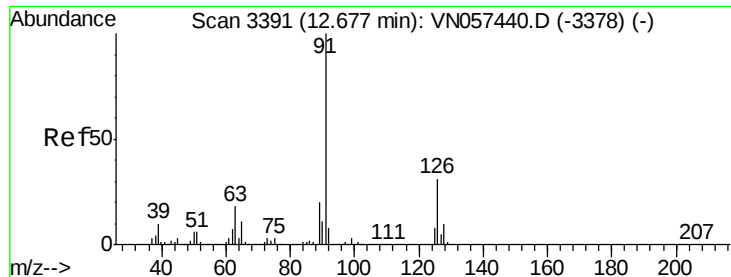
Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.7	32.1





#79

2-Chlorotoluene

Concen: 18.694 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion: 91 Resp: 216614

Ion Ratio Lower Upper

91 100

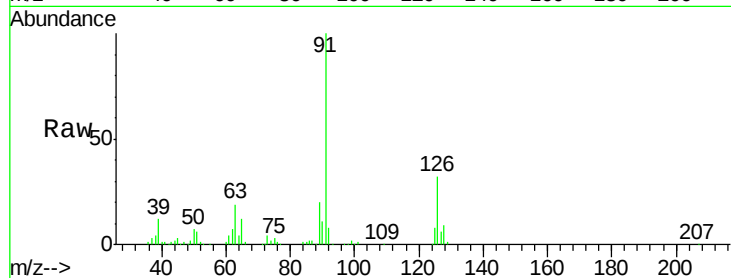
126 32.4 15.3 45.8

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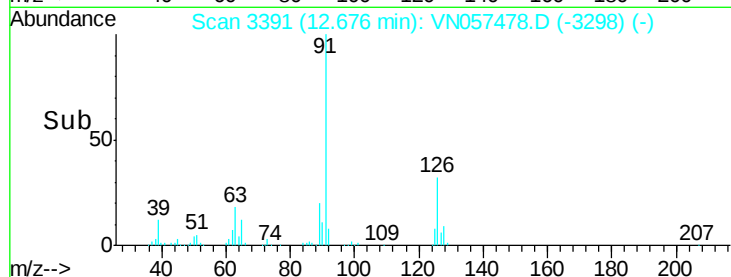


Abundance Ion 91.00 (90.70 to 91.70): VN057478.D (-3391) (-)

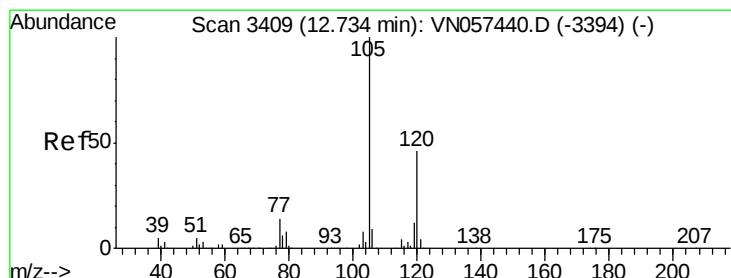
Ion 125.90 (125.60 to 126.60): VN057478.D (-3391) (-)

12.68

12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.327 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057478.D

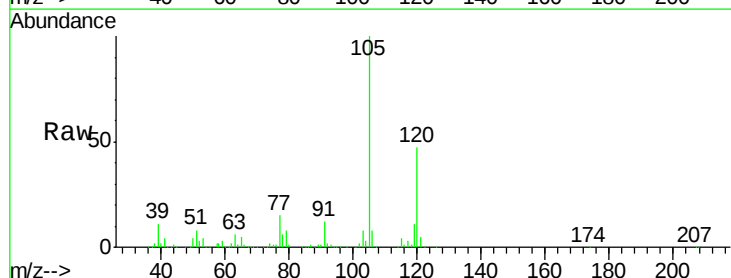
Acq: 23 Aug 2019 17:54

Tgt Ion: 105 Resp: 274167

Ion Ratio Lower Upper

105 100

120 47.0 23.3 69.8

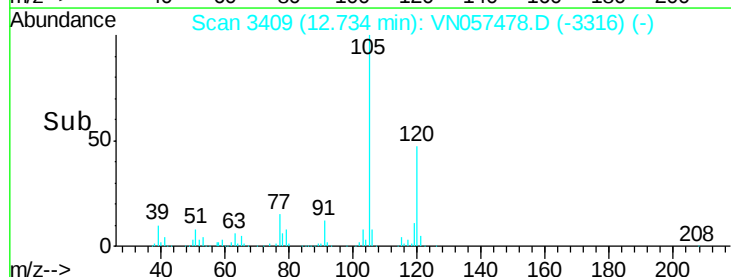


Abundance Ion 105.00 (104.70 to 105.70): VN057478.D (-3409) (-)

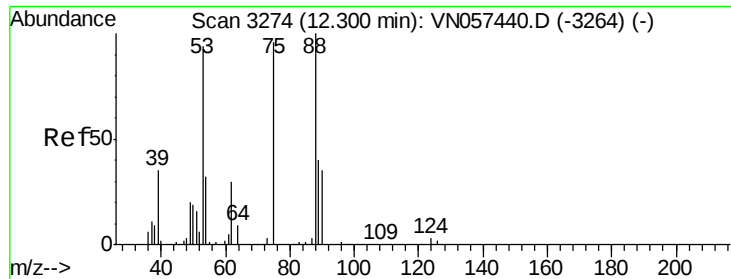
Ion 120.00 (119.70 to 120.70): VN057478.D (-3409) (-)

12.73

12.70 12.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 16.054 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion: 75 Resp: 28648

Ion Ratio Lower Upper

75 100

53 115.4 82.7 124.1

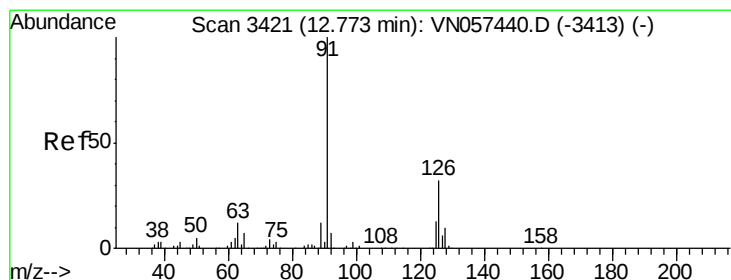
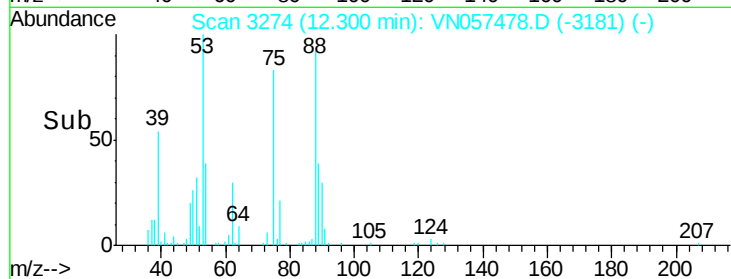
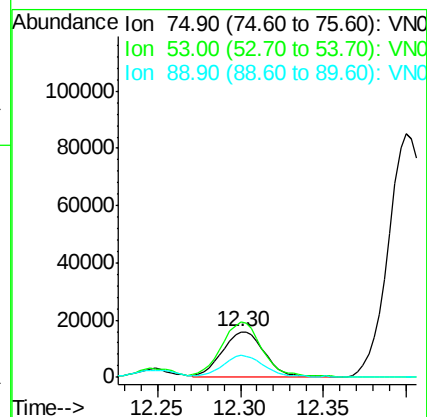
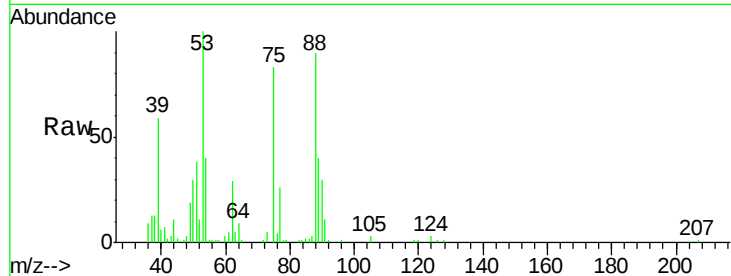
89 46.3 35.8 53.8

Manual Integrations

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#82

4-Chlorotoluene

Concen: 18.759 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057478.D

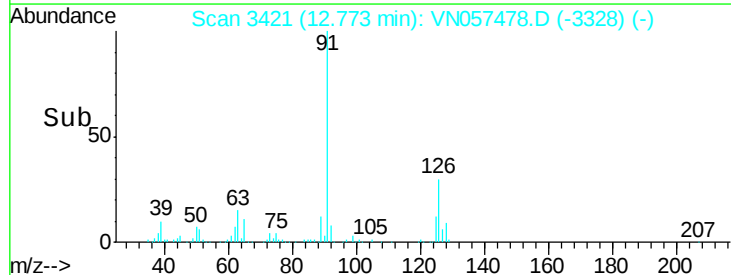
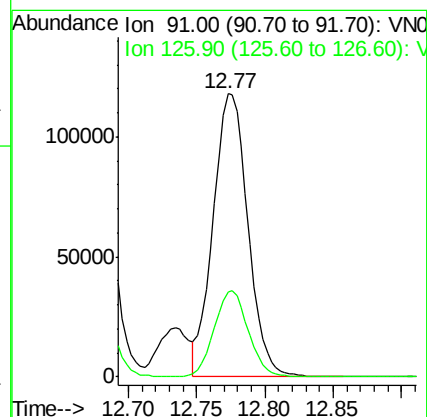
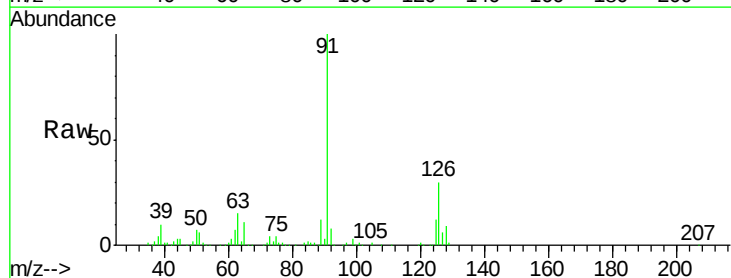
Acq: 23 Aug 2019 17:54

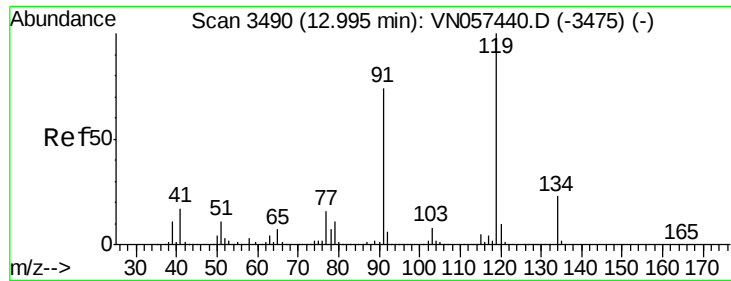
Tgt Ion: 91 Resp: 208496

Ion Ratio Lower Upper

91 100

126 30.0 15.0 45.0





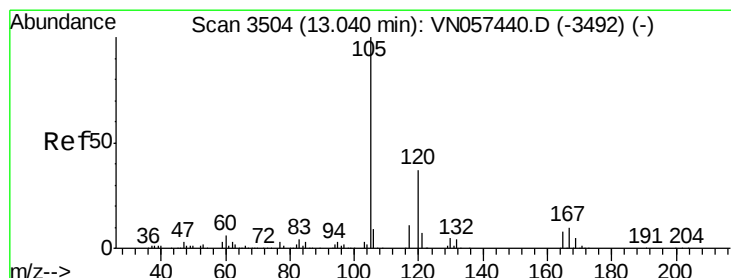
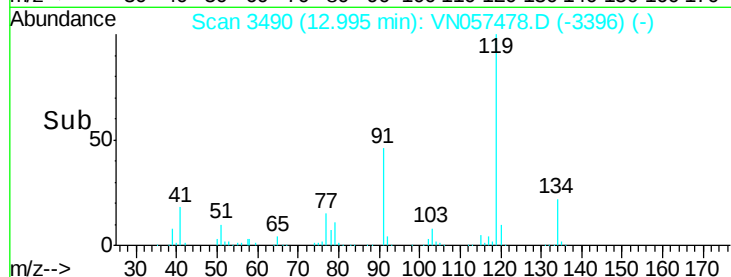
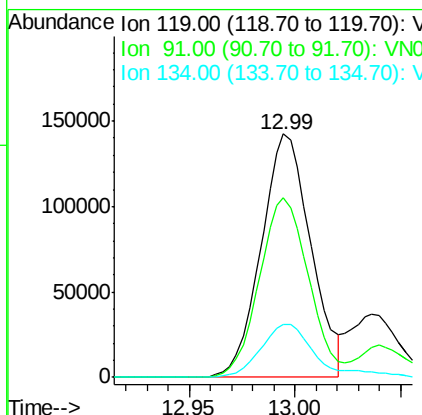
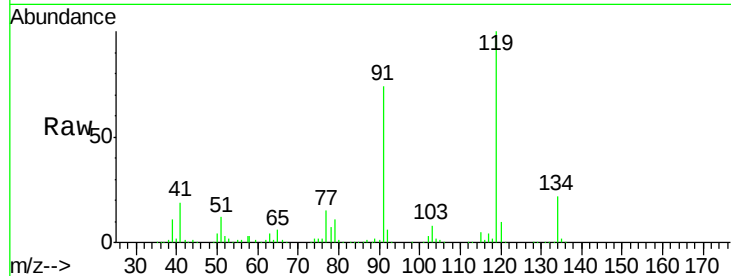
#83
 tert-Butylbenzene
 Concen: 19.295 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	233248		
91	73.5	37.0	111.0	
134	24.1	12.2	36.6	

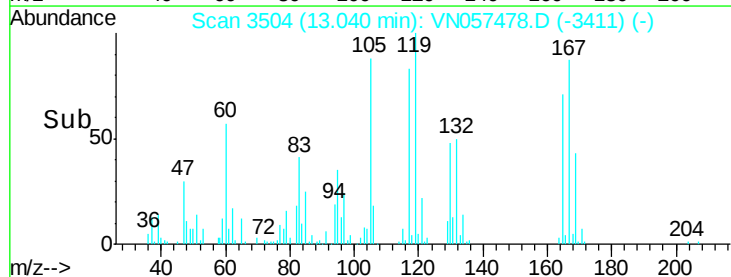
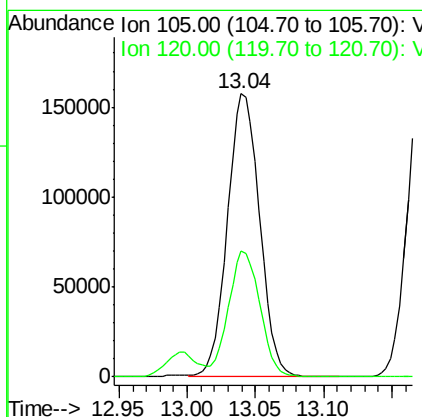
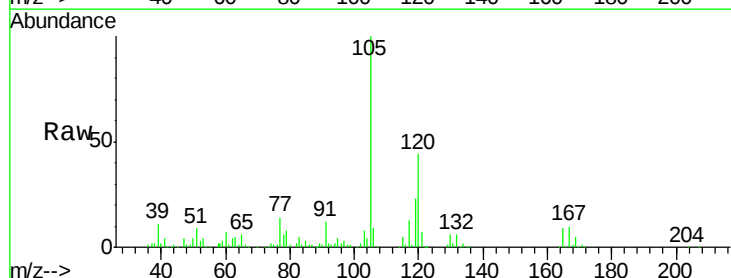
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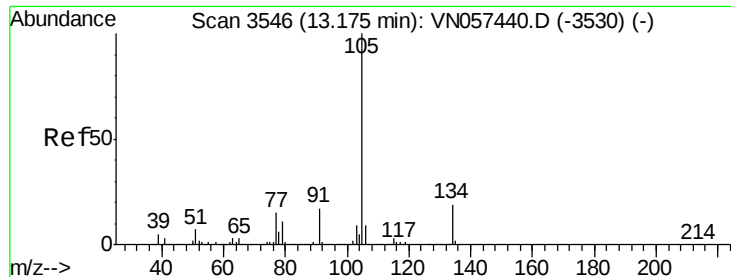
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.933 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	258281		
120	43.6	21.9	65.7	





#85

sec-Butylbenzene

Concen: 19.369 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tot Ion:105 Resp: 304306

Ion Ratio Lower Upper

105 100

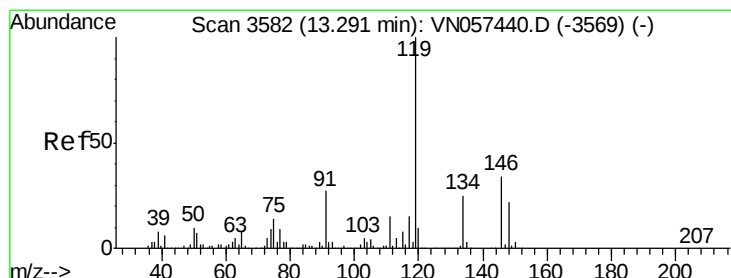
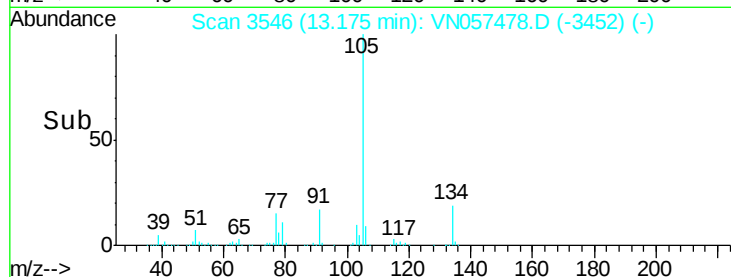
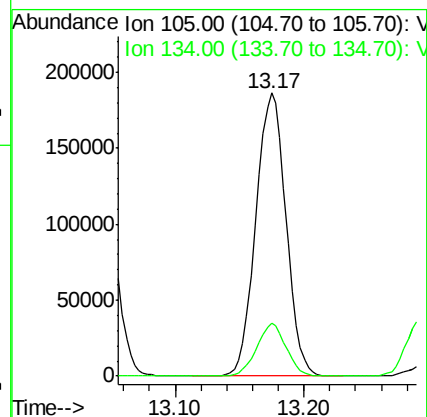
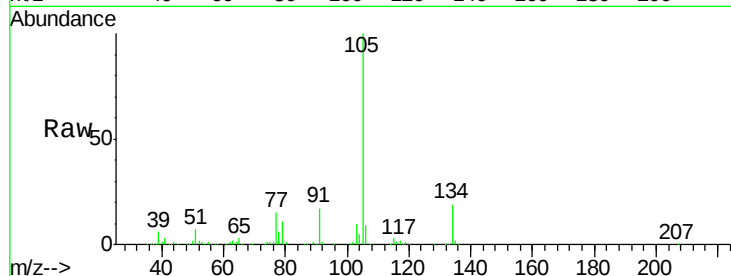
134 18.1 9.3 27.9

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#86

p-Isopropyltoluene

Concen: 17.919 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

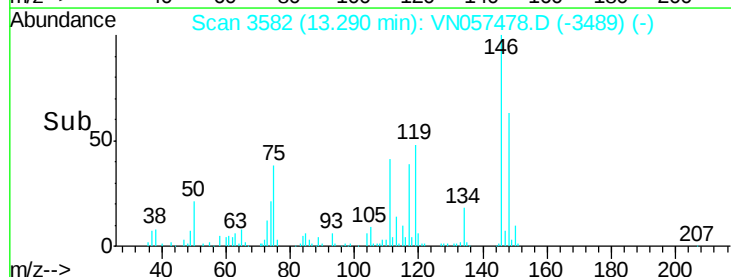
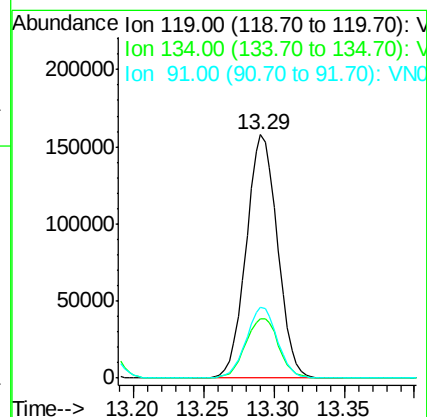
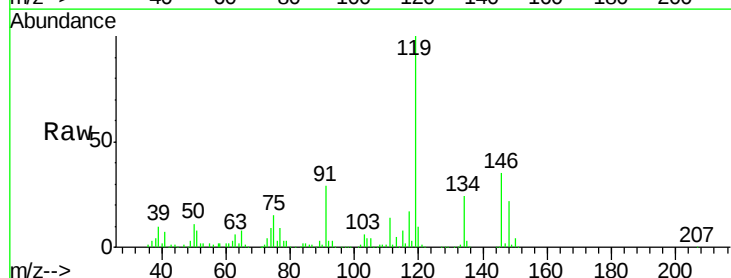
Tgt Ion:119 Resp: 245767

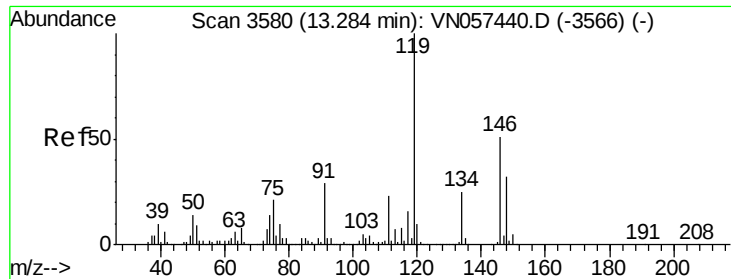
Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.1

91 29.2 13.9 41.6





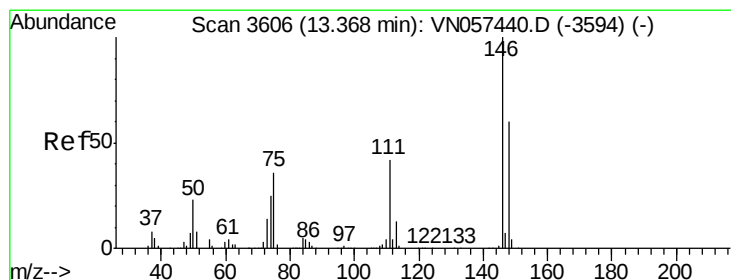
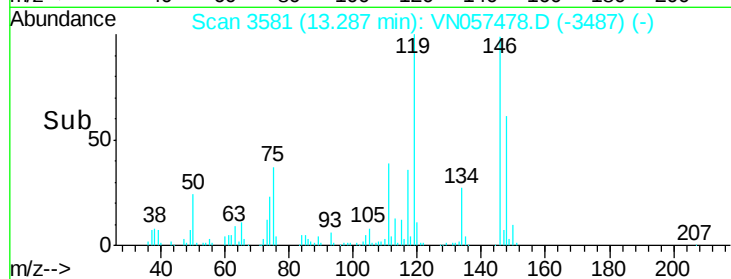
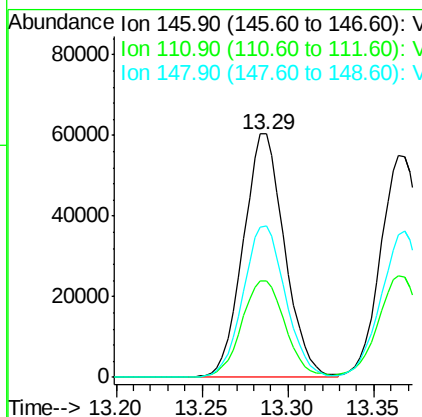
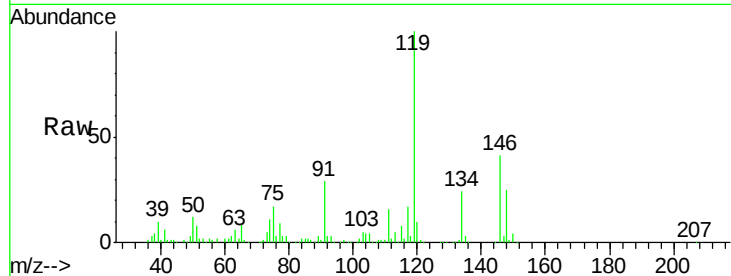
#87
 1,3-Dichlorobenzene
 Concen: 17.850 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	101172		
111	41.6	22.1	66.1	
148	63.5	31.9	95.9	

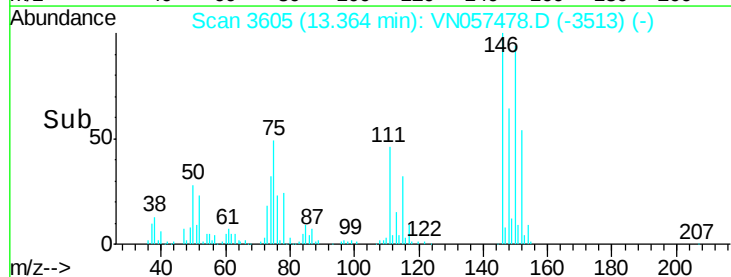
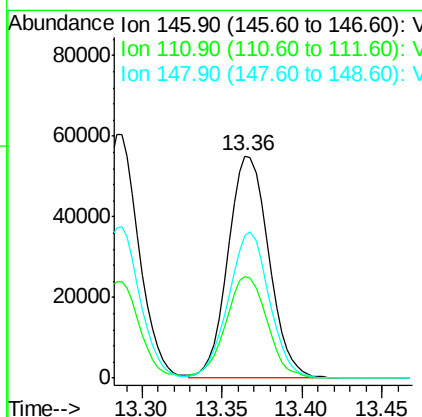
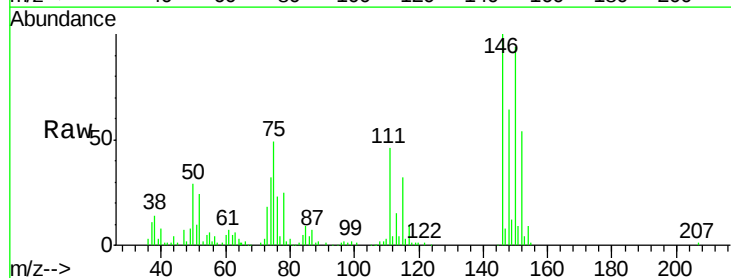
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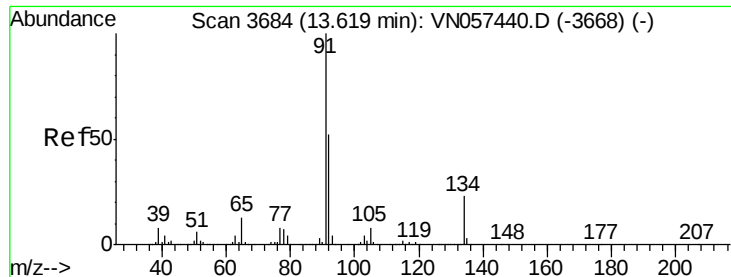
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#88
 1,4-Dichlorobenzene
 Concen: 17.293 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	95984		
111	46.5	21.9	65.5	
148	65.9	31.1	93.2	





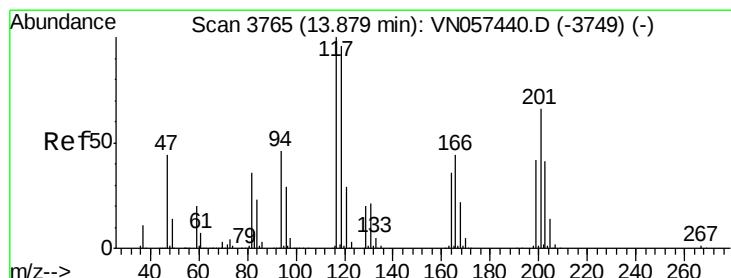
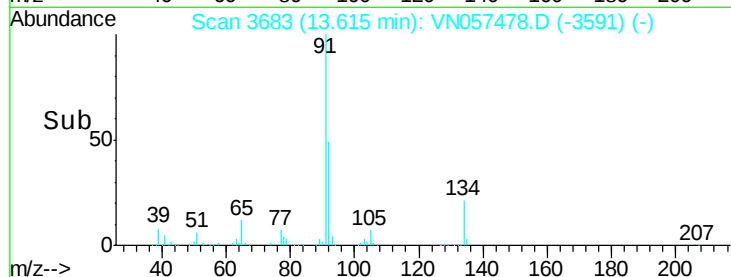
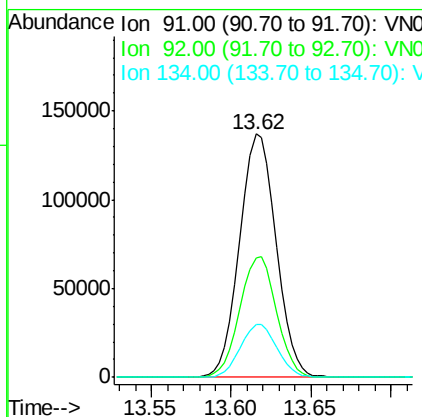
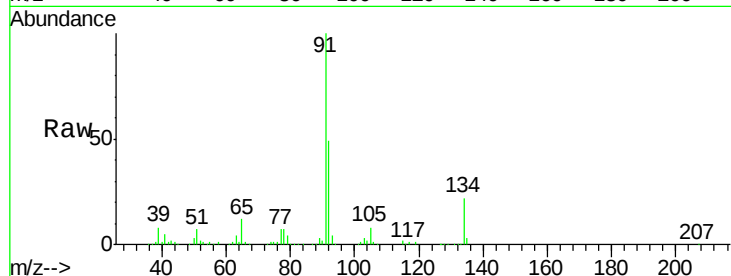
#89
n-Butylbenzene
Concen: 18.347 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.8	25.7	77.0
134	21.8	11.4	34.1

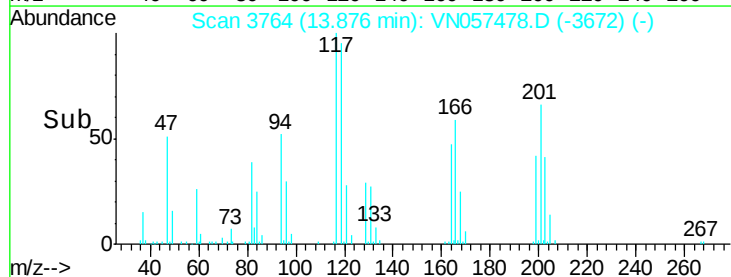
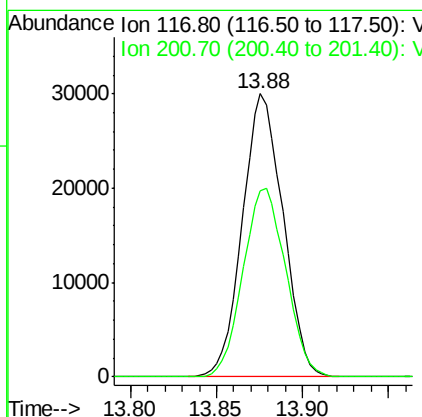
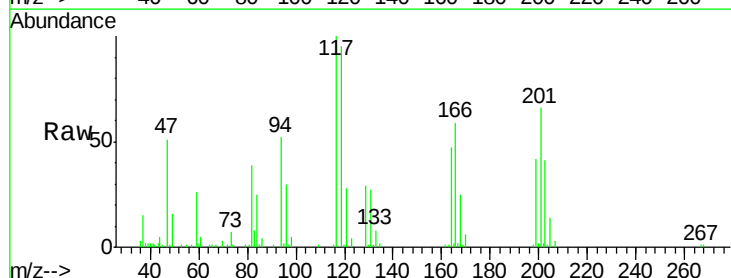
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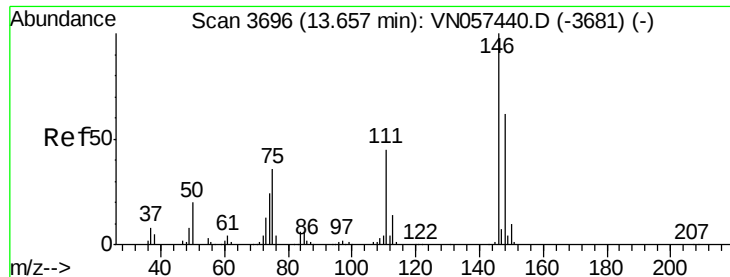
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#90
Hexachloroethane
Concen: 16.770 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.4	33.1	99.3





#91

1,2-Dichlorobenzene

Concen: 18.468 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

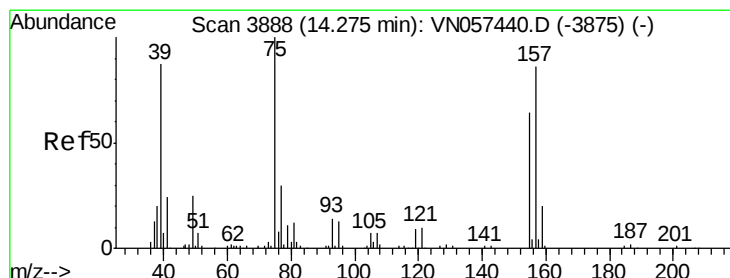
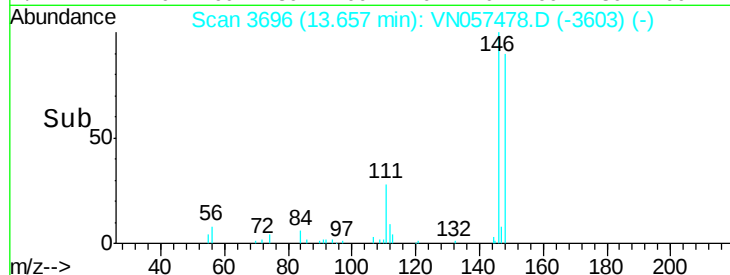
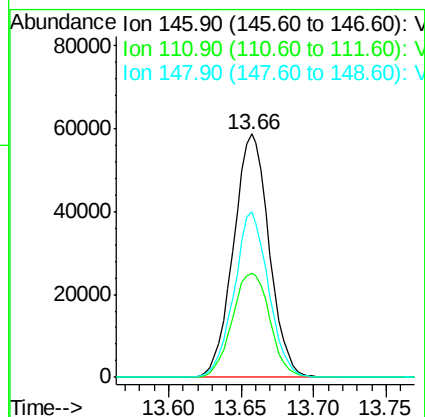
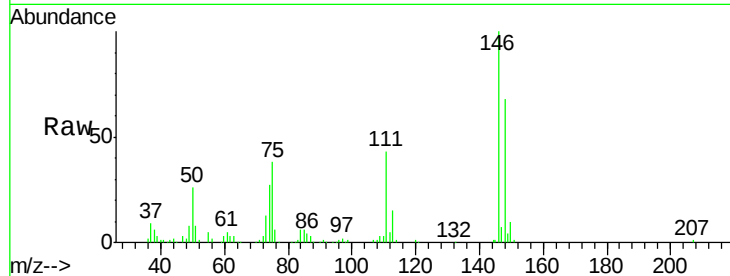
ClientSampleId :

VN0824WBSD01

Tot Ion:	146	Resp:	99922
Ion Ratio	Lower	Upper	
146	100		
111	45.1	23.1	69.2
148	65.6	31.8	95.4

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.390 ug/l

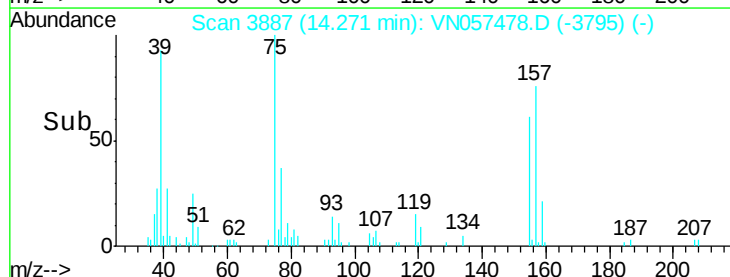
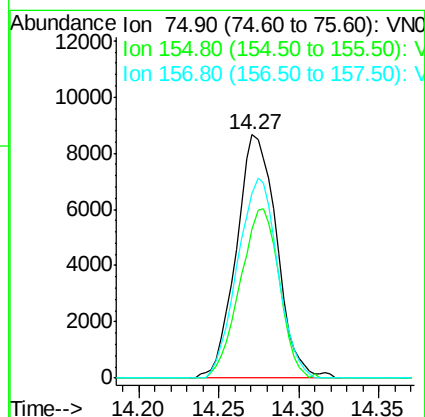
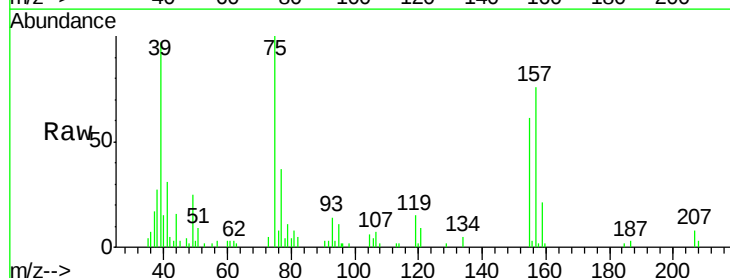
RT: 14.27 min Scan# 3887

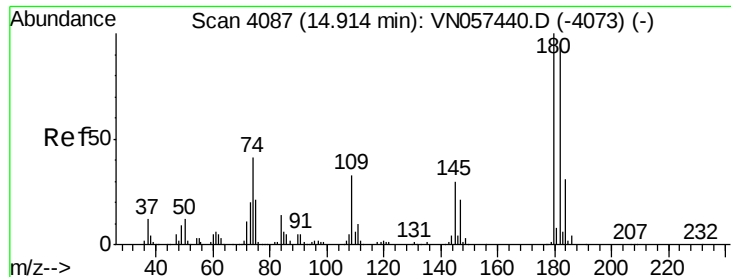
Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Tgt Ion:	75	Resp:	14854
Ion Ratio	Lower	Upper	
75	100		
155	67.7	31.6	94.7
157	81.9	43.3	129.8





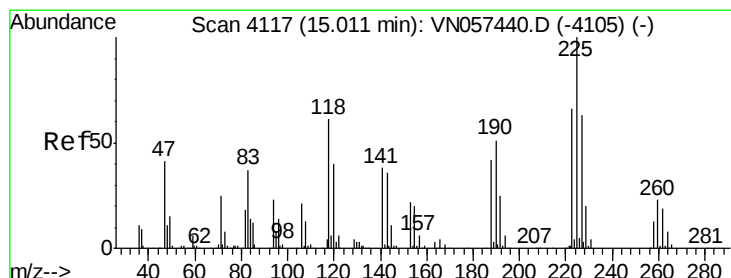
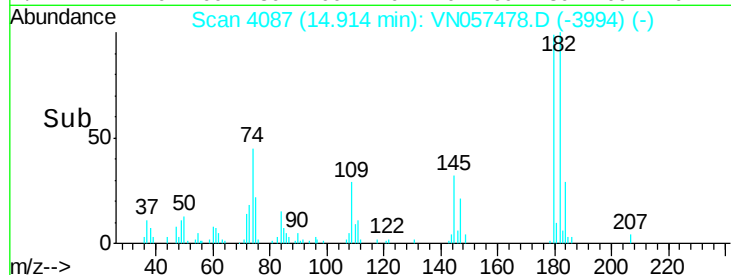
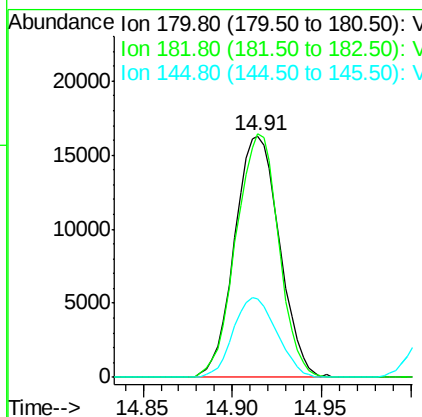
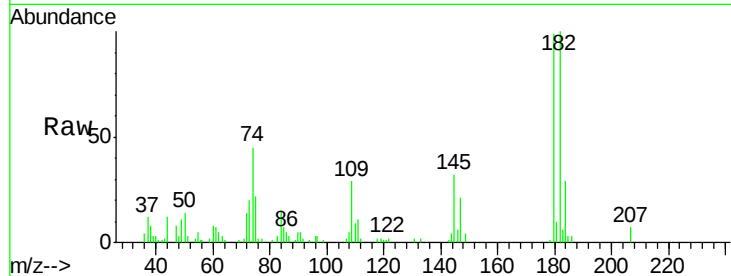
#93
 1,2,4-Trichlorobenzene
 Concen: 17.032 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	28600		
182	96.1	46.7	140.1	
145	32.1	15.6	46.8	

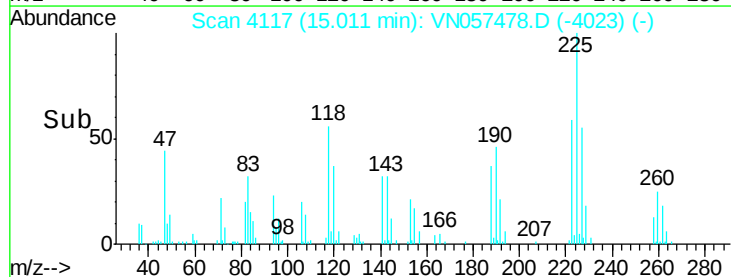
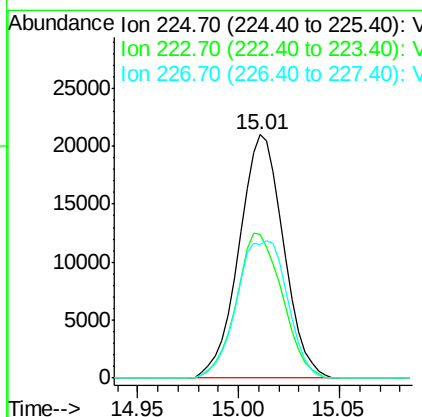
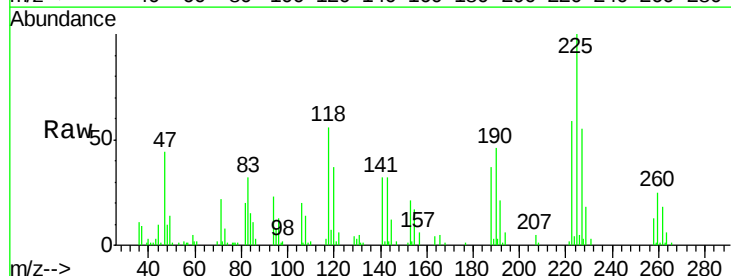
Manual Integrations
 APPROVED

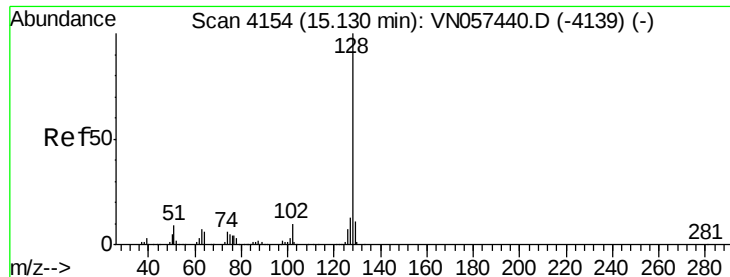
MMDadoda
 8/26/2019 1:13:11 PM



#94
 Hexachlorobutadiene
 Concen: 21.648 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	32361		
223	61.4	32.0	96.2	
227	64.3	31.5	94.5	





#95

Naphthalene

Concen: 16.560 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

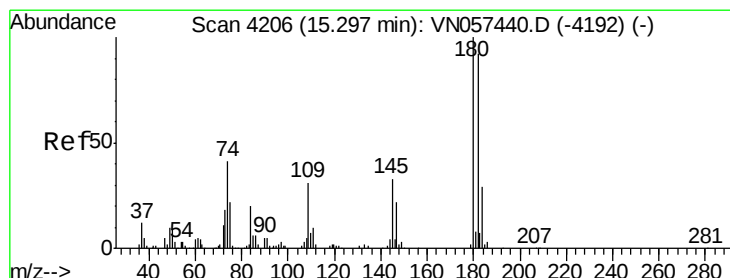
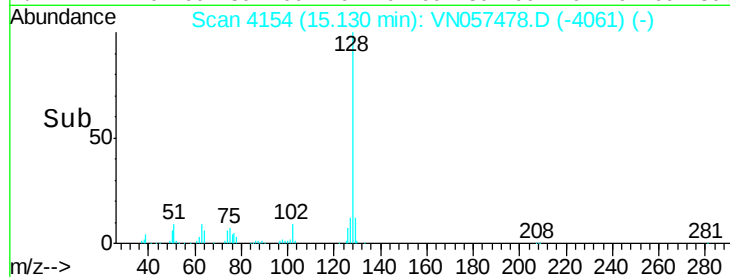
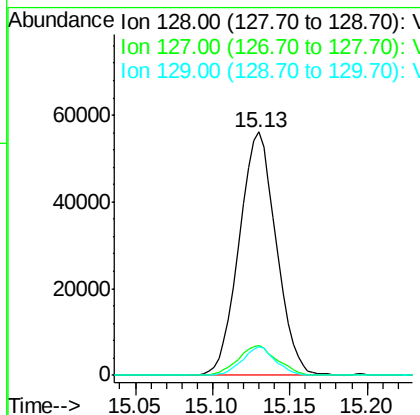
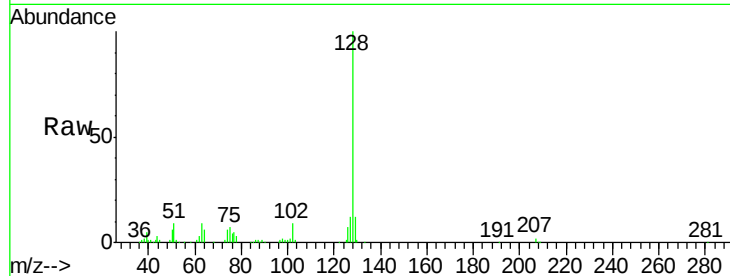
ClientSampleId :

VN0824WBSD01

Tot Ion:	128	Resp:	93415
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.5	15.7
129	10.5	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/26/2019 1:13:11 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.789 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Tgt Ion:	180	Resp:	30882
Ion Ratio	Lower	Upper	
180	100		
182	94.1	46.7	140.1
145	34.2	16.8	50.3

