

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055504.D
 Acq On : 9 May 2019 18:09
 Operator : JC/SP
 Sample : VN0509WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 12:43:53 PM

Quant Time: May 10 04:49:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	707701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1260830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1086754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	411468	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	550246	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
35) Dibromofluoromethane	7.59	113	416014	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
50) Toluene-d8	10.09	98	1628449	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
62) 4-Bromofluorobenzene	12.40	95	522859	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	137585	19.095	ug/l	97
3) Chloromethane	2.06	50	223116	19.061	ug/l	99
4) Vinyl Chloride	2.19	62	221624	20.057	ug/l	98
5) Bromomethane	2.55	94	76599	12.652	ug/l	97
6) Chloroethane	2.70	64	135017	20.978	ug/l	99
7) Trichlorofluoromethane	3.02	101	251151	20.719	ug/l	99
8) Diethyl Ether	3.41	74	113497	20.848	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	154218	19.996	ug/l	99
10) Methyl Iodide	3.95	142	107380	10.301	ug/l	99
11) Tert butyl alcohol	4.82	59	136512	86.767	ug/l	99
12) 1,1-Dichloroethene	3.73	96	159062	20.565	ug/l	99
13) Acrolein	3.61	56	88632	84.528	ug/l	99
14) Allyl chloride	4.32	41	302956	19.121	ug/l	98
15) Acrylonitrile	4.99	53	485327	99.621	ug/l	100
16) Acetone	3.82	43	395072	80.073	ug/l	99
17) Carbon Disulfide	4.05	76	423520	20.062	ug/l	99
18) Methyl Acetate	4.33	43	206077	19.223	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	523176	20.356	ug/l	98
20) Methylene Chloride	4.55	84	198892	19.714	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	172197	20.534	ug/l	91
22) Diisopropyl ether	5.96	45	655644	20.363	ug/l	95
23) Vinyl Acetate	5.90	43	2519582	101.187	ug/l	100
24) 1,1-Dichloroethane	5.85	63	354534	20.398	ug/l	99
25) 2-Butanone	6.84	43	635605	93.258	ug/l	98
26) 2,2-Dichloropropane	6.83	77	188341	17.383	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	203163	20.962	ug/l	97
28) Bromochloromethane	7.20	49	202886	22.477	ug/l	97
29) Tetrahydrofuran	7.22	42	438189	97.253	ug/l	99
30) Chloroform	7.37	83	324935	20.223	ug/l	97
31) Cyclohexane	7.65	56	340361	19.792	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	251870	20.585	ug/l	100
36) 1,1-Dichloropropene	7.79	75	244393	19.675	ug/l	98
37) Ethyl Acetate	6.93	43	261419	19.293	ug/l	99
38) Carbon Tetrachloride	7.77	117	204624	19.564	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	286677	18.929	ug/l	98
40) Benzene	8.04	78	782864	20.307	ug/l	99
41) Methacrylonitrile	7.18	41	117900	18.747	ug/l	91
42) 1,2-Dichloroethane	8.13	62	270061	19.940	ug/l	98
43) Isopropyl Acetate	8.17	43	403575	19.605	ug/l	99
44) Trichloroethene	8.84	130	181346	19.770	ug/l	97
45) 1,2-Dichloropropane	9.12	63	221664	20.096	ug/l	100
46) Dibromomethane	9.21	93	126333	19.759	ug/l	97
47) Bromodichloromethane	9.40	83	240200	19.638	ug/l	98
48) Methyl methacrylate	9.20	41	191249	19.283	ug/l	100
49) 1,4-Dioxane	9.20	88	67328	348.296	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1281525	94.657	ug/l	100
52) Toluene	10.16	92	449046	20.375	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	225937	19.233	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	277478	19.767	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	179392	20.090	ug/l	98
56) Ethyl methacrylate	10.43	69	254556	19.165	ug/l	99
57) 1,3-Dichloropropane	10.71	76	320815	20.237	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	342627	85.306	ug/l	100
59) 2-Hexanone	10.75	43	869330	91.560	ug/l	99
60) Dibromochloromethane	10.90	129	160591	19.780	ug/l	99
61) 1,2-Dibromoethane	11.00	107	169439	19.749	ug/l	98
64) Tetrachloroethene	10.63	164	168778	18.953	ug/l	95
65) Chlorobenzene	11.43	112	451084	20.175	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	155226	20.166	ug/l	99
67) Ethyl Benzene	11.51	91	825269	19.653	ug/l	100
68) m/p-Xylenes	11.62	106	603151	40.024	ug/l	99
69) o-Xylene	11.95	106	305342	20.615	ug/l	96
70) Styrene	11.96	104	481055	20.272	ug/l	99
71) Bromoform	12.13	173	102771	19.786	ug/l #	99
73) Isopropylbenzene	12.25	105	784619	21.709	ug/l	100
74) N-amyl acetate	12.07	43	302985	19.395	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	256854	21.910	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	237173m	21.173	ug/l	
77) Bromobenzene	12.53	156	180561	19.912	ug/l	95
78) n-propylbenzene	12.59	91	872248	19.764	ug/l	99
79) 2-Chlorotoluene	12.67	91	535284	19.462	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	647676	19.682	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	48623	16.017	ug/l	90
82) 4-Chlorotoluene	12.77	91	507709	19.536	ug/l	99
83) tert-Butylbenzene	12.99	119	563680	19.984	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	604264	20.022	ug/l	99
85) sec-Butylbenzene	13.17	105	728281	19.428	ug/l	99
86) p-Isopropyltoluene	13.29	119	599945	19.665	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	284734	20.321	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	272587	19.712	ug/l	99
89) n-Butylbenzene	13.61	91	433410	18.328	ug/l	99
90) Hexachloroethane	13.87	117	93868	18.862	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	285899	20.415	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34794	18.389	ug/l	96

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ClientSampleId :
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QLast Update : Thu May 09 04:17:44 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	90384	17.078	ug/l	98
94) Hexachlorobutadiene	15.01	225	90280	20.406	ug/l	99
95) Naphthalene	15.13	128	250460	16.679	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	104725	17.515	ug/l	98

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

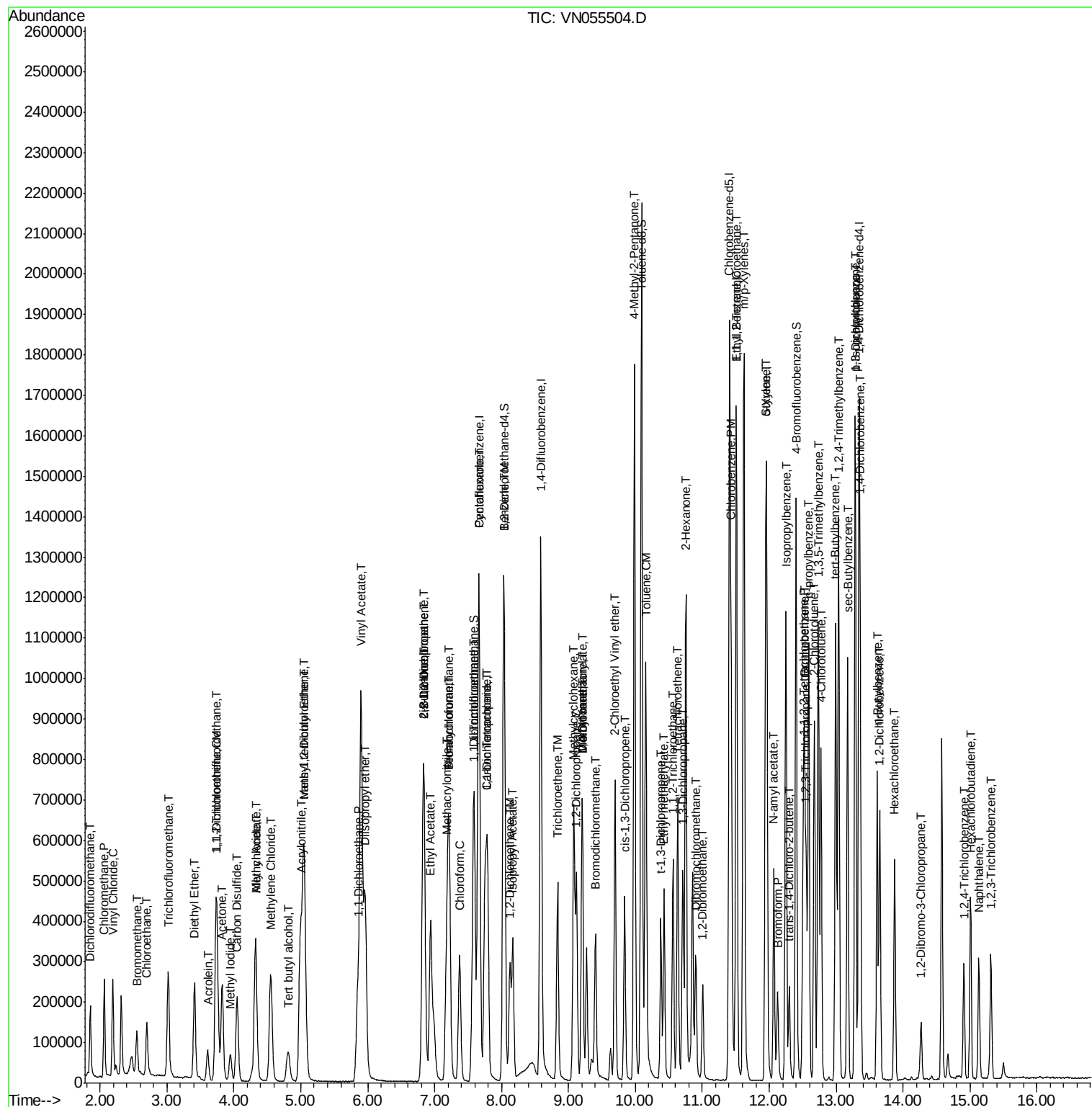
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
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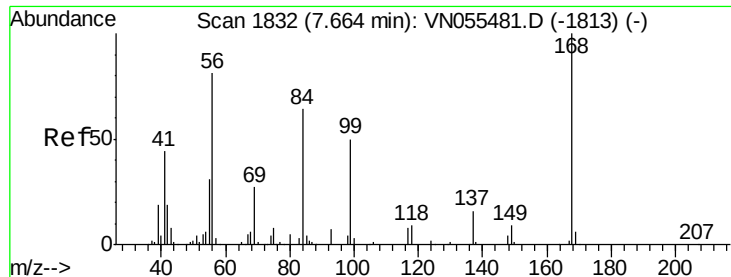
Instrument :
MSVOA_N
Client Sample Id :
VN0509WBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBSD01

Tot Ion:168 Resp: 707701

Ion Ratio Lower Upper

168 100

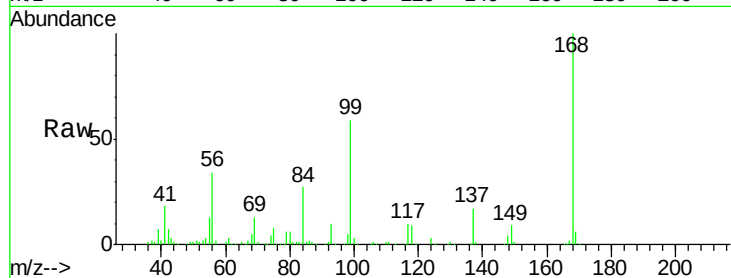
99 58.3 47.0 70.4

Manual Integrations

APPROVED

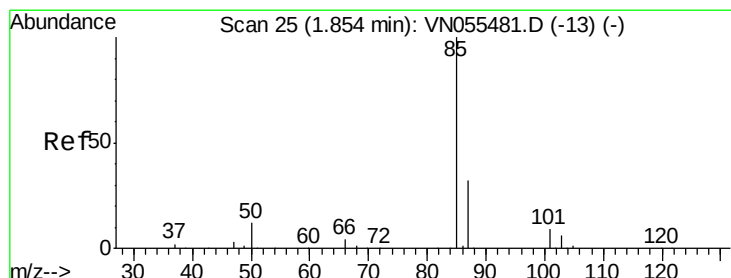
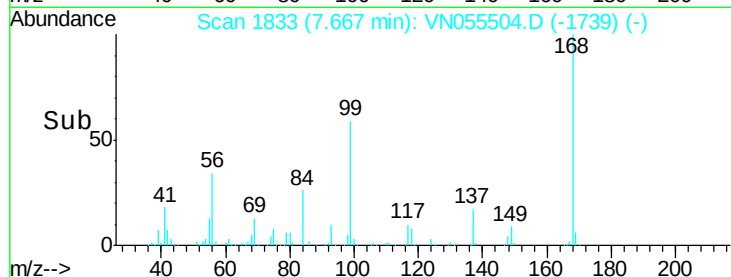
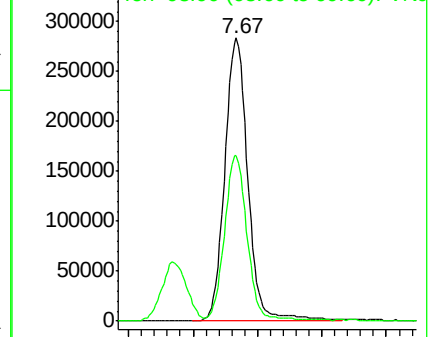
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.095 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055504.D

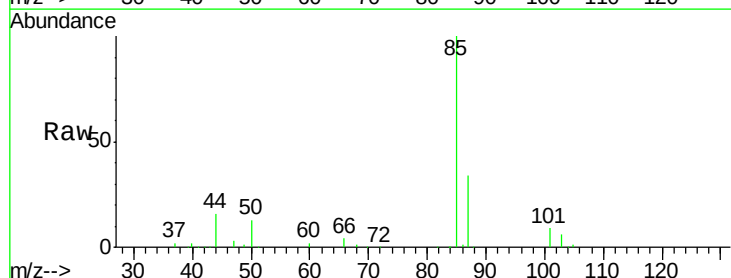
Acq: 9 May 2019 18:09

Tgt Ion: 85 Resp: 137585

Ion Ratio Lower Upper

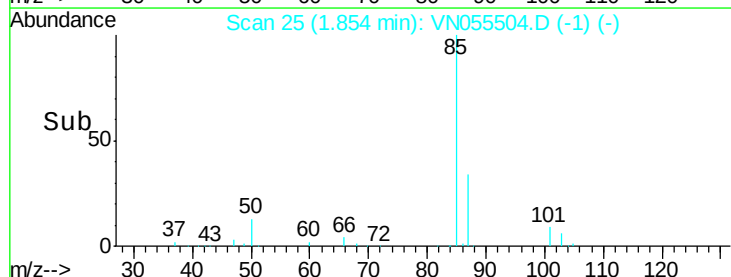
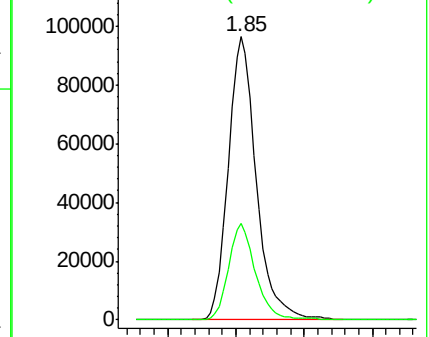
85 100

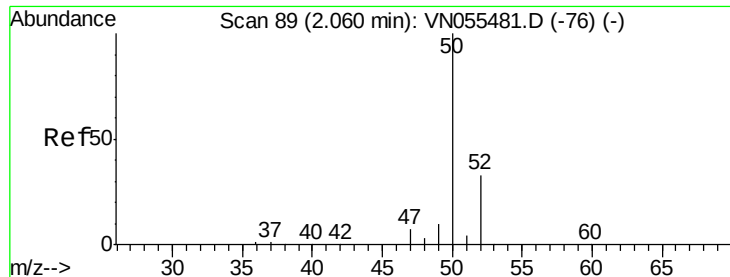
87 33.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.061 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

VN0509WBSD01

Tot Ion: 50 Resp: 223116

Ion Ratio Lower Upper

50 100

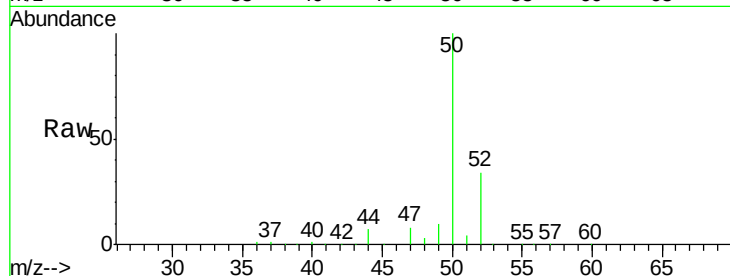
52 33.6 26.6 39.8

Manual Integrations

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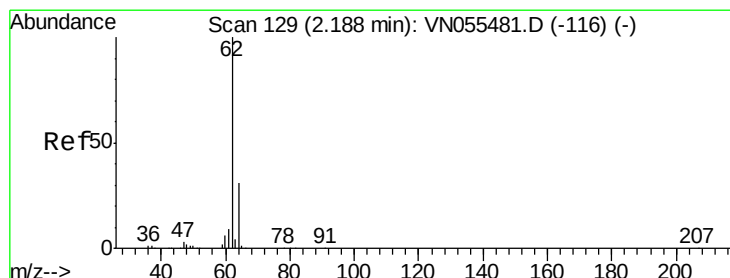
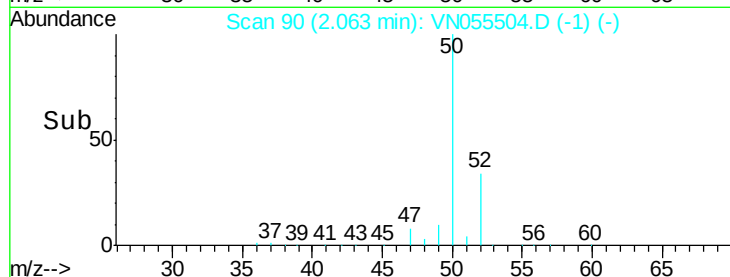
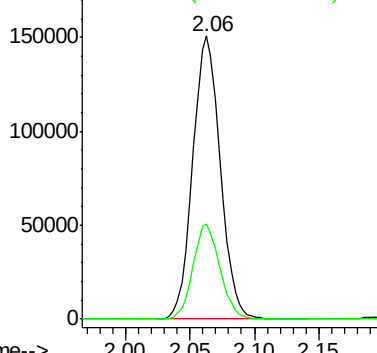
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.057 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055504.D

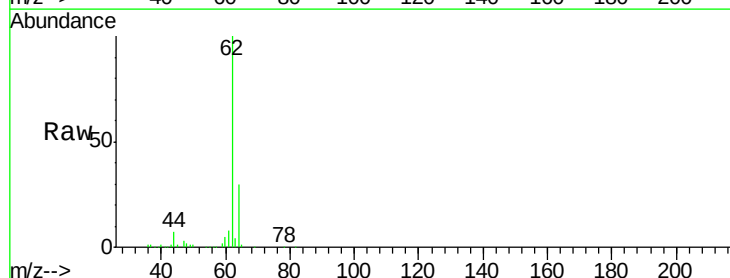
Acq: 9 May 2019 18:09

Tgt Ion: 62 Resp: 221624

Ion Ratio Lower Upper

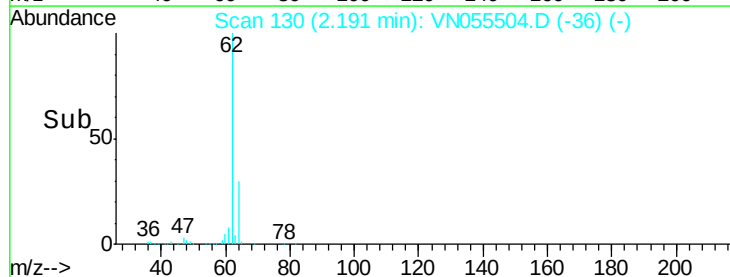
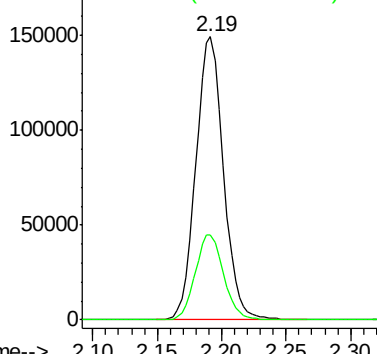
62 100

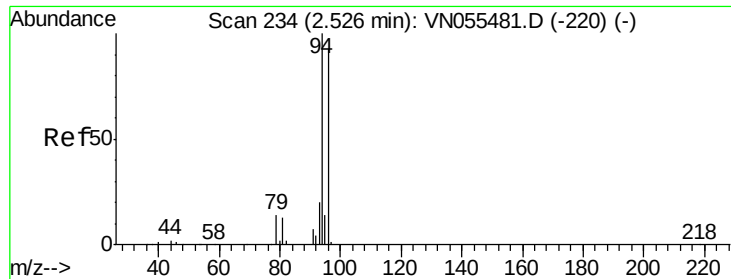
64 30.2 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 12.652 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.03 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

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ClientSampleId :

VN0509WBSD01

Tot Ion: 94 Resp: 76599

Ion Ratio Lower Upper

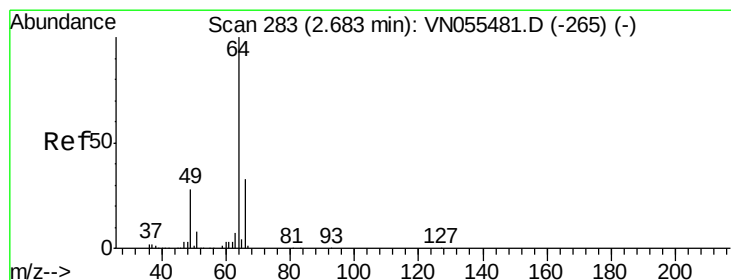
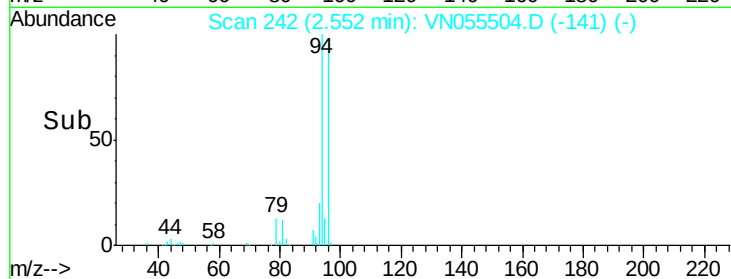
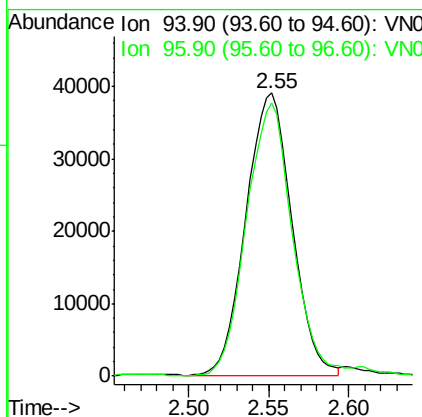
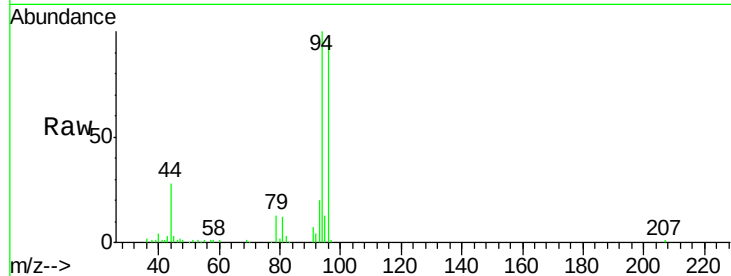
94 100

96 96.7 74.8 112.2

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#6

Chloroethane

Concen: 20.978 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.02 min

Lab File: VN055504.D

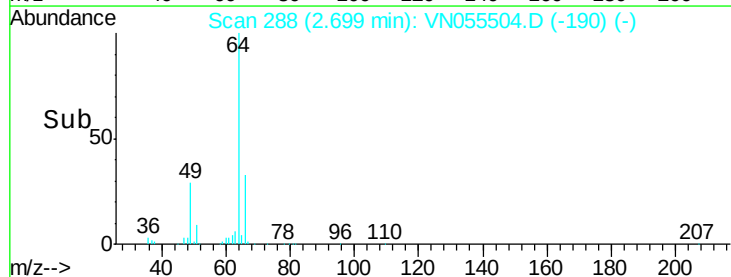
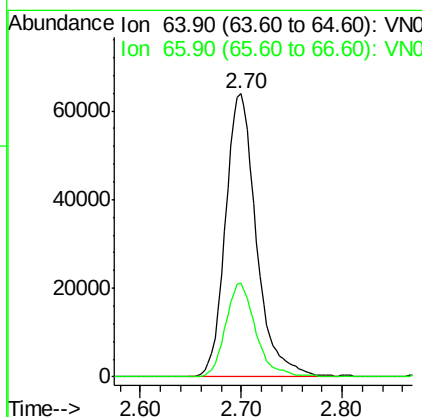
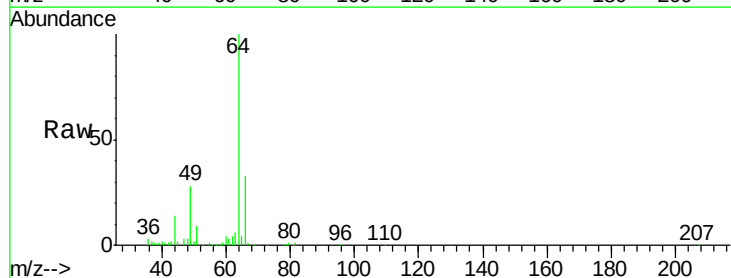
Acq: 9 May 2019 18:09

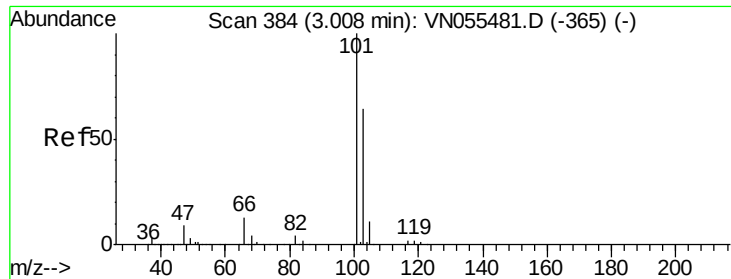
Tgt Ion: 64 Resp: 135017

Ion Ratio Lower Upper

64 100

66 33.2 26.2 39.2





#7

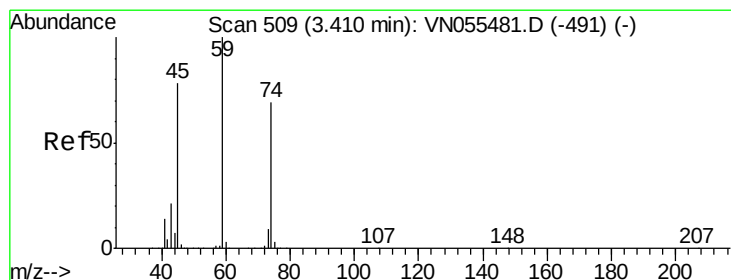
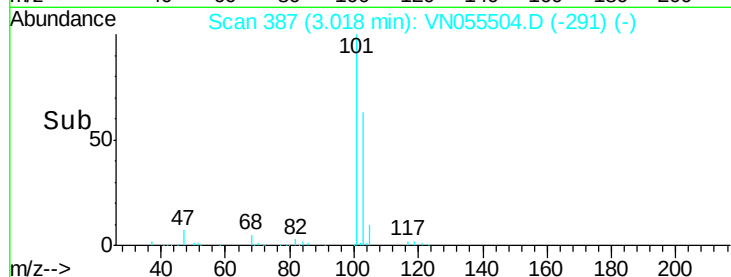
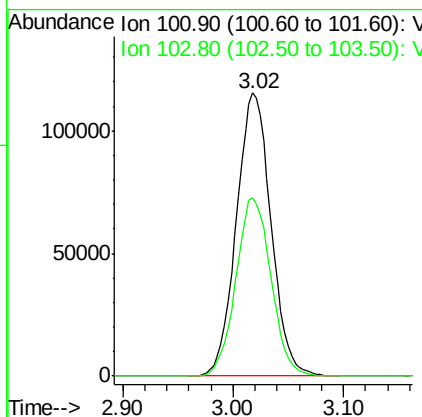
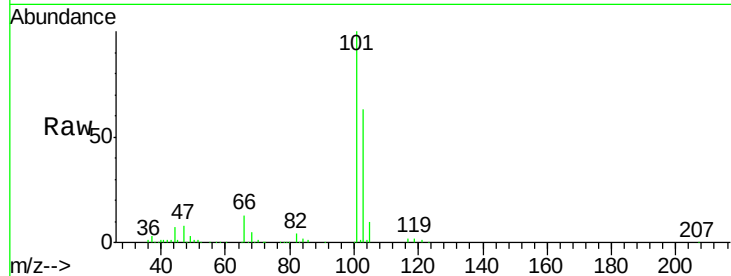
Trichlorofluoromethane
 Concen: 20.719 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Instrument :
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 VN0509WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	251151		
103	62.8	51.2	76.8	

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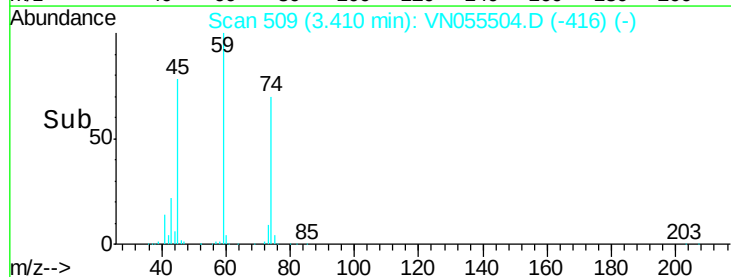
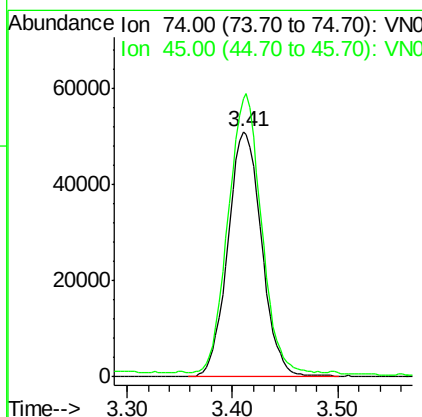
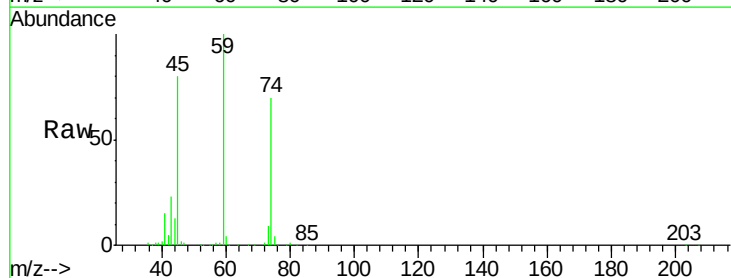
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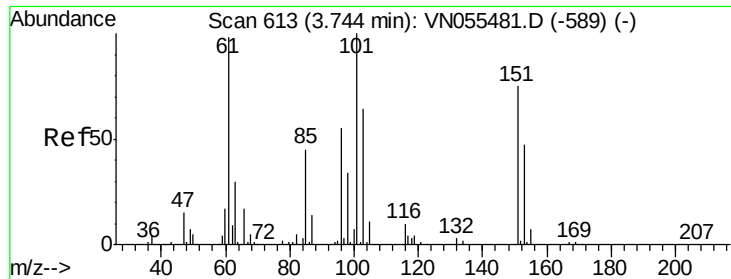


#8

Diethyl Ether
 Concen: 20.848 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	113497		
45	110.5	58.1	174.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.996 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

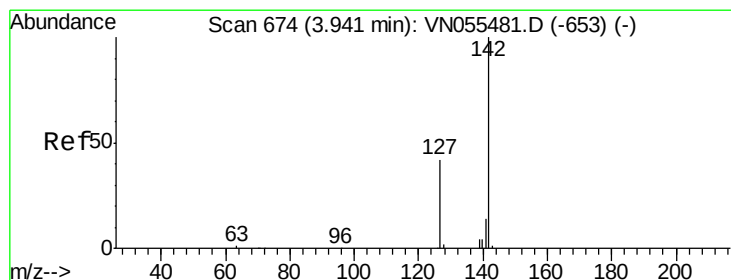
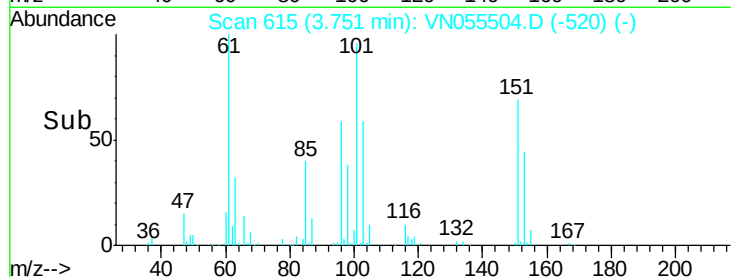
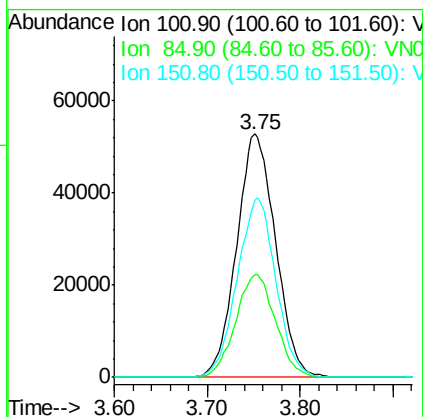
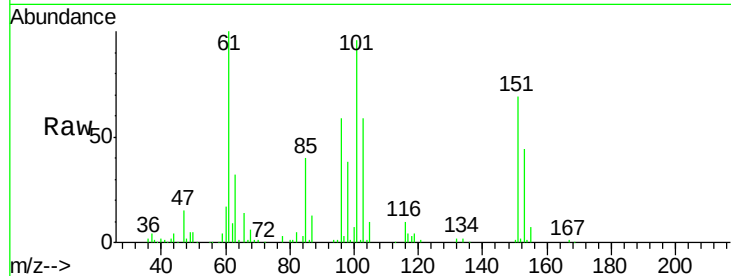
ClientSampled :

VN0509WBSD01

Tot Ion:	101	Resp:	154218
Ion Ratio	Lower	Upper	
101	100		
85	43.0	35.5	53.3
151	73.1	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 10.301 ug/l

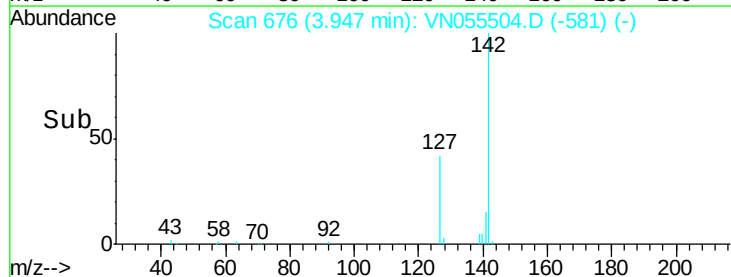
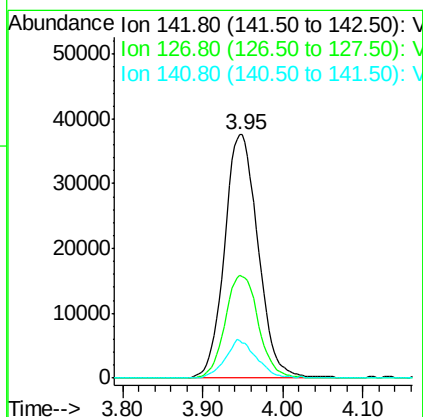
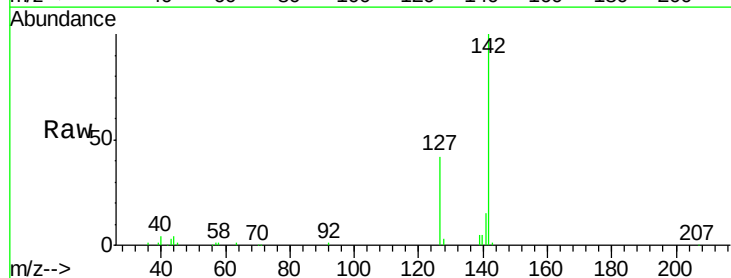
RT: 3.95 min Scan# 676

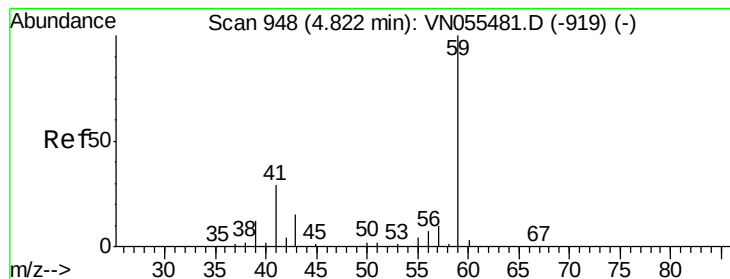
Delta R.T. 0.01 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Tgt Ion:	142	Resp:	107380
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.0	49.4
141	14.5	11.4	17.0





#11

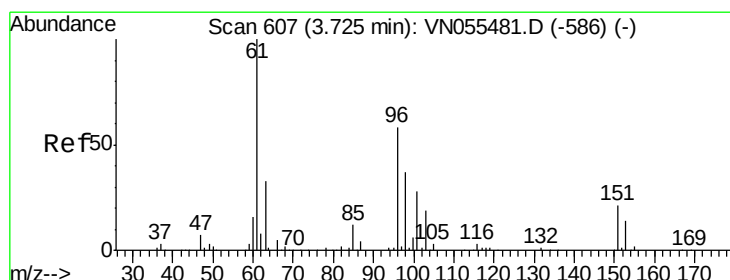
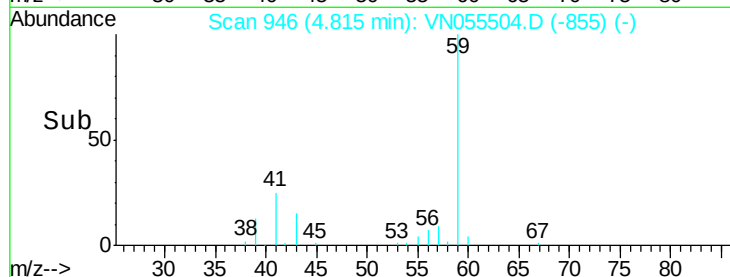
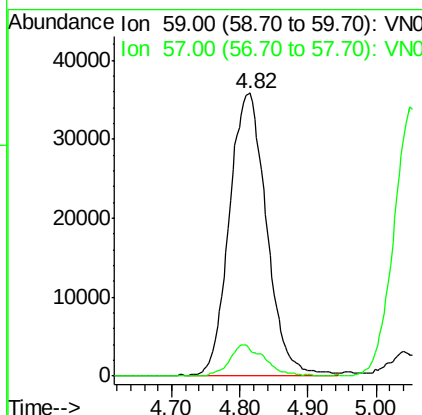
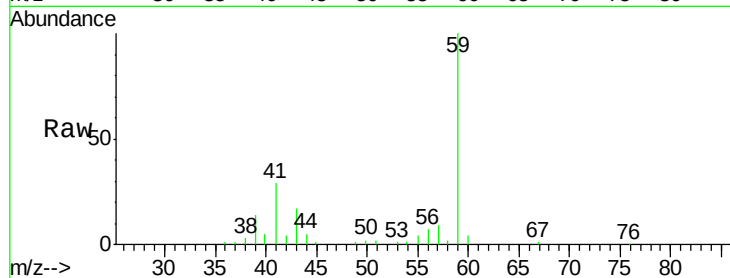
Tert butyl alcohol
Concen: 86.767 ug/l
RT: 4.82 min Scan# 946
Delta R.T. -0.01 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	136512		
57	10.3		8.0	12.0

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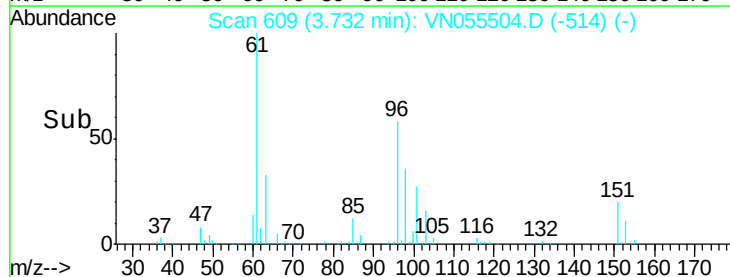
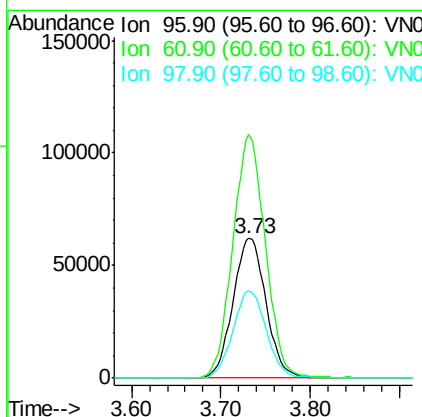
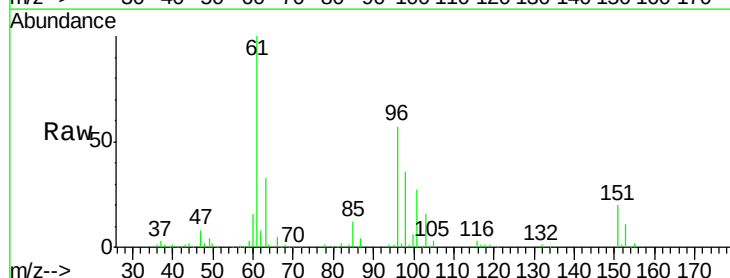
MMDadoda
5/10/2019 12:43:53 PM

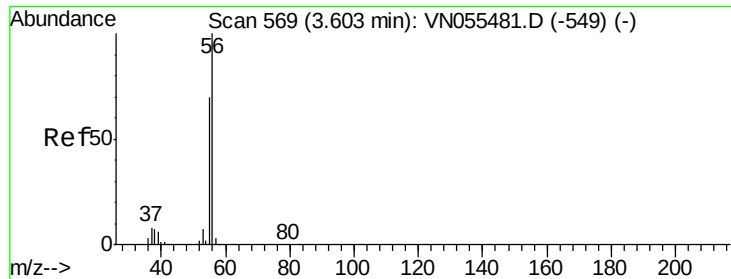


#12

1,1-Dichloroethene
Concen: 20.565 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.01 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	159062		
61	174.3		138.7	208.1
98	62.2		50.6	76.0





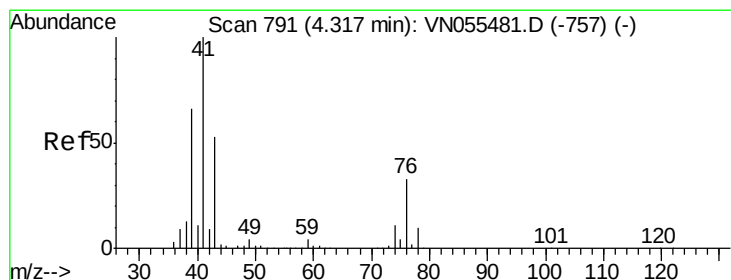
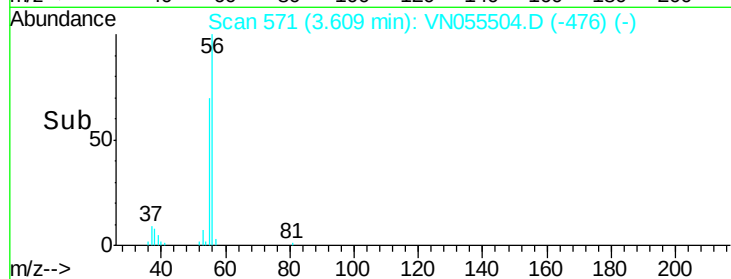
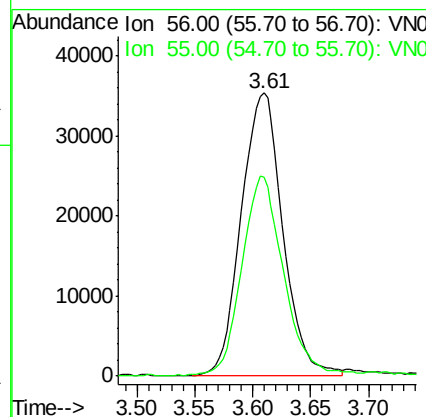
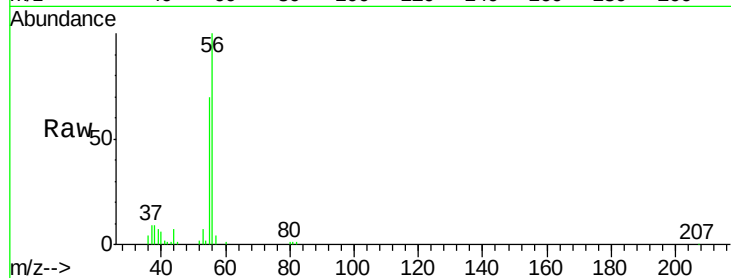
#13
Acrolein
Concen: 84.528 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.01 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD01

Tot Ion	56	Resp	88632
Ion Ratio	100	Lower	Upper
55	71.0	57.7	86.5

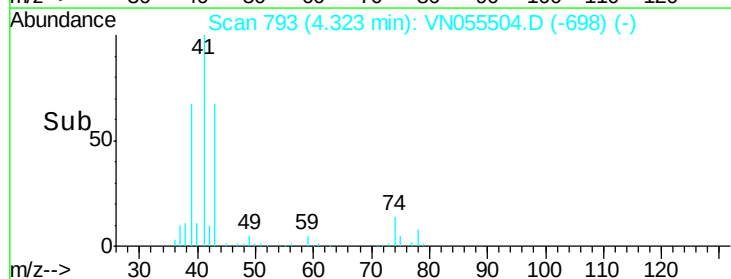
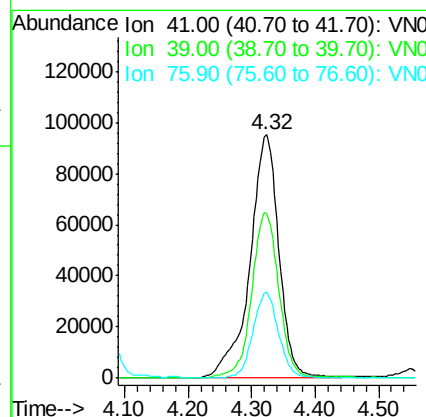
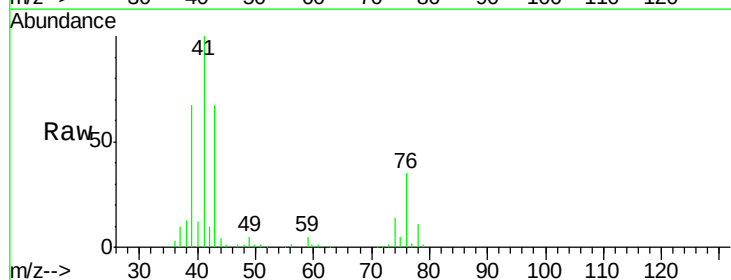
Manual Integrations
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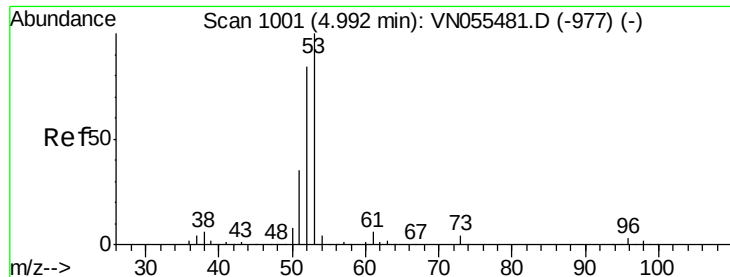
MMDadoda
5/10/2019 12:43:53 PM



#14
Allyl chloride
Concen: 19.121 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion	41	Resp	302956
Ion Ratio	100	Lower	Upper
39	63.4	49.8	74.8
76	31.0	23.5	35.3





#15

Acrylonitrile

Concen: 99.621 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

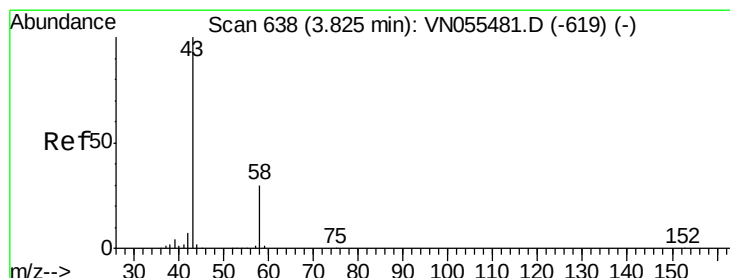
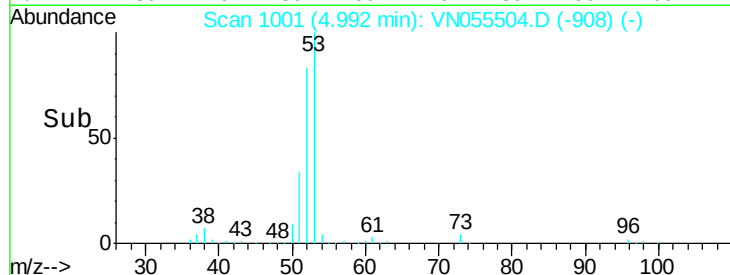
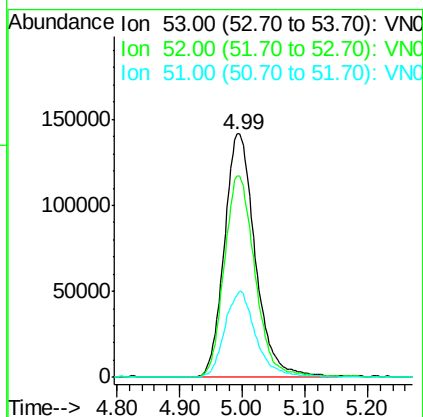
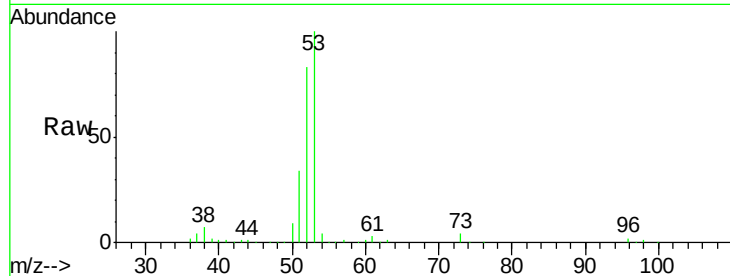
ClientSampled :

VN0509WBSD01

Tot Ion:	53	Resp:	485327
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.1	99.1
51	35.4	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 80.073 ug/l

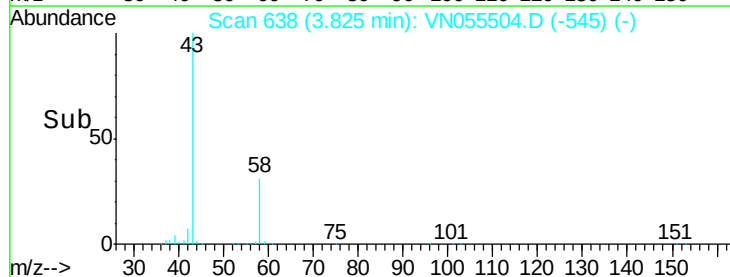
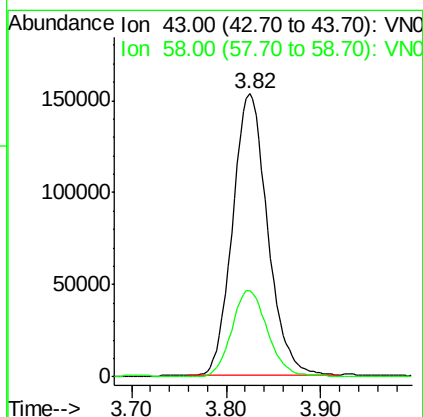
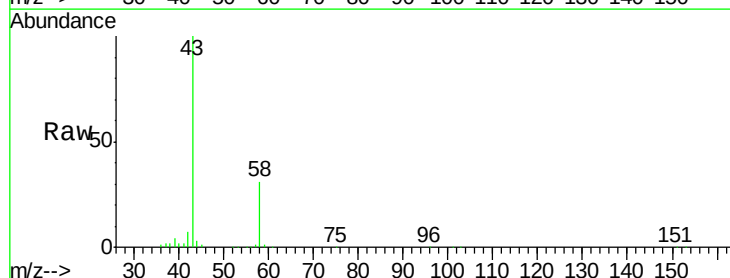
RT: 3.82 min Scan# 638

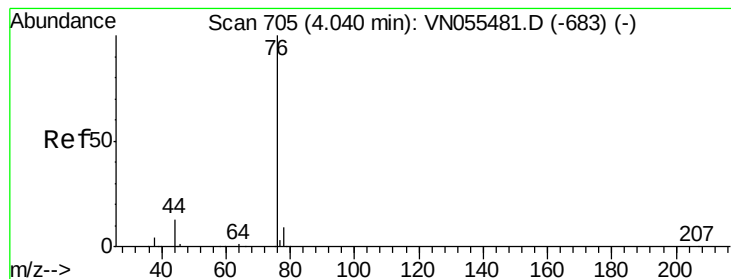
Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Tgt Ion:	43	Resp:	395072
Ion Ratio	Lower	Upper	
43	100		
58	30.6	24.2	36.2





#17

Carbon Disulfide

Concen: 20.062 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBSD01

Tot Ion: 76 Resp: 423520

Ion Ratio Lower Upper

76 100

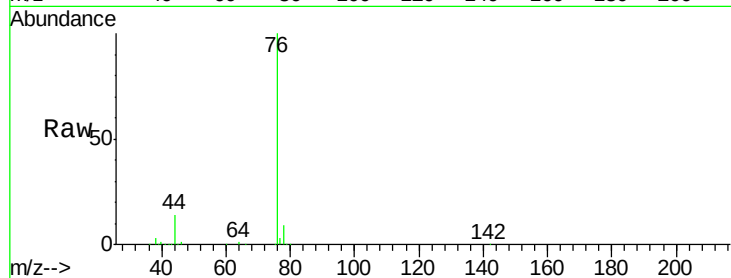
78 8.8 7.4 11.0

Manual Integrations

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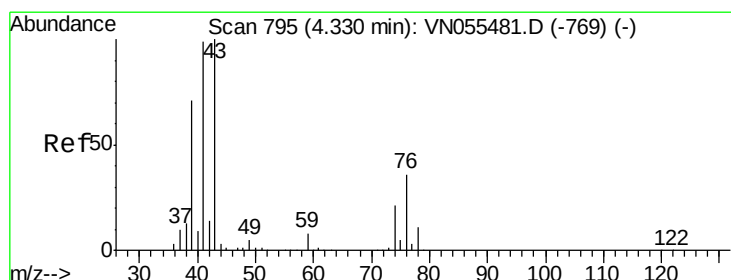
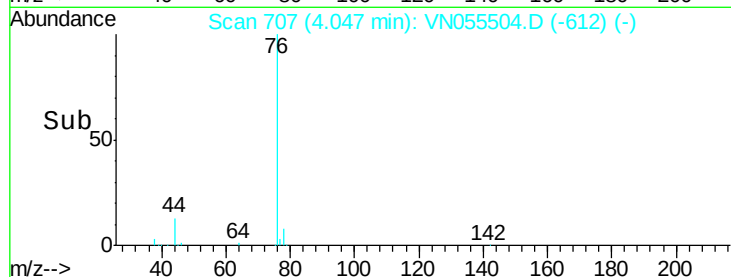
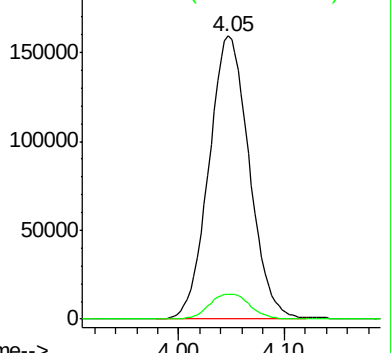
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 19.223 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN055504.D

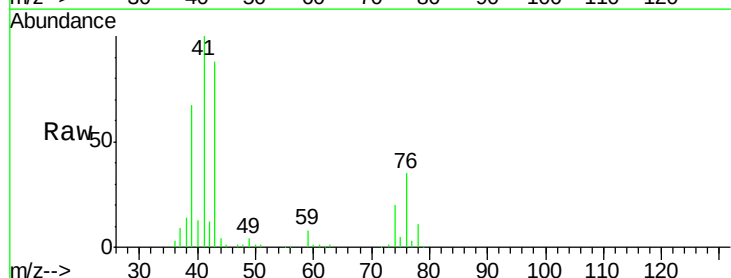
Acq: 9 May 2019 18:09

Tgt Ion: 43 Resp: 206077

Ion Ratio Lower Upper

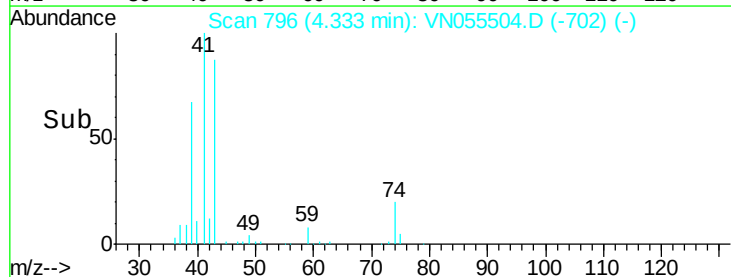
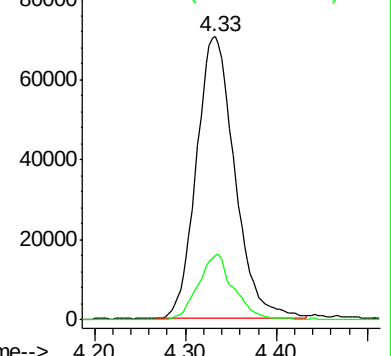
43 100

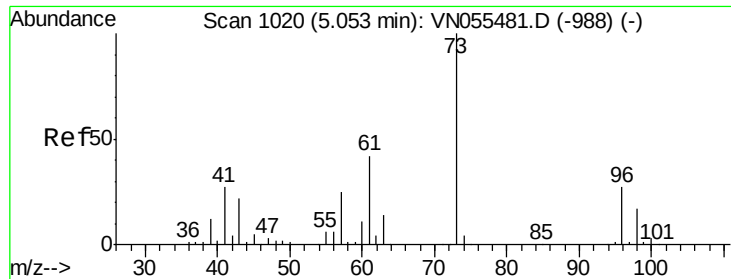
74 21.5 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





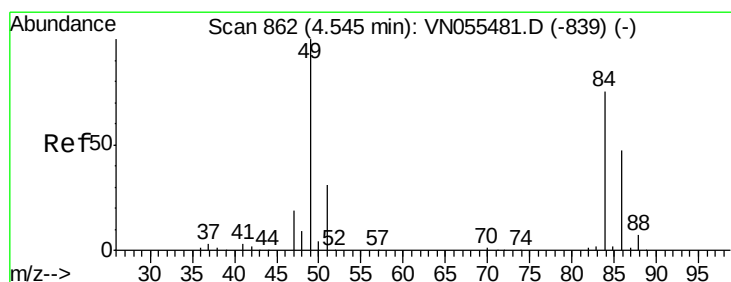
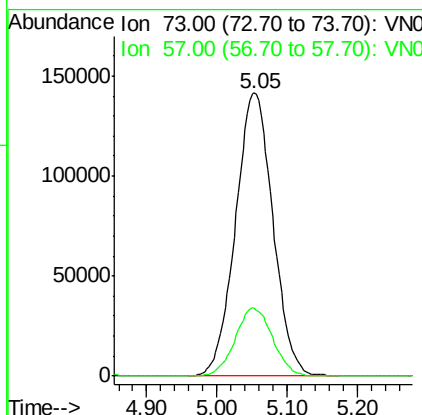
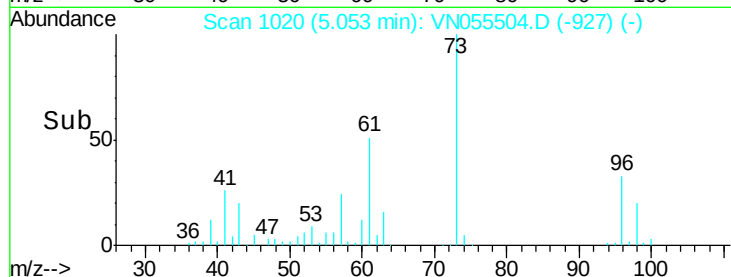
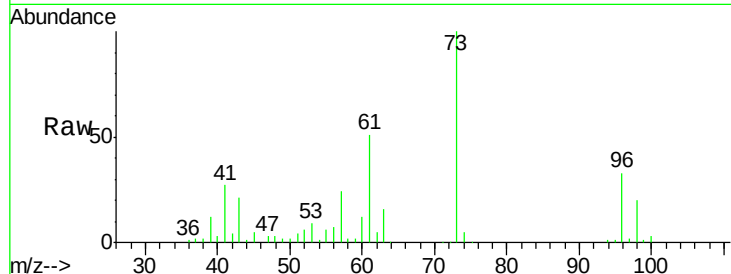
#19
Methyl tert-butyl Ether
Concen: 20.356 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD01

Tot Ion: 73 Resp: 523176
Ion Ratio Lower Upper
73 100
57 23.9 20.0 30.0

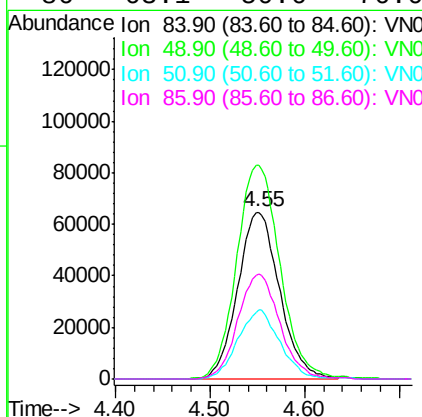
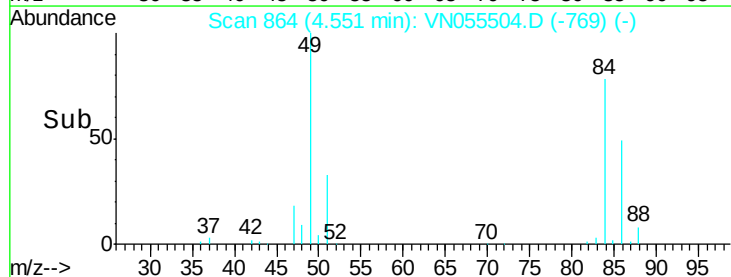
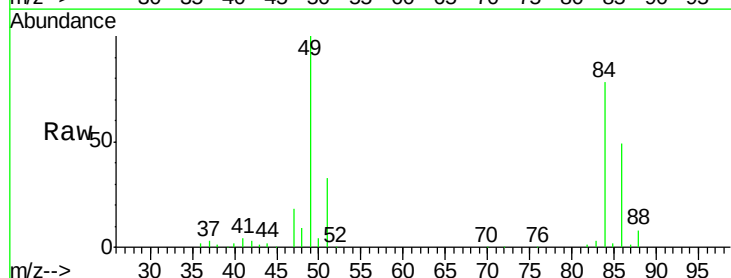
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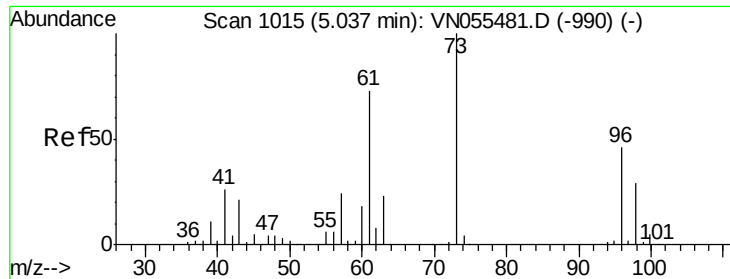
MMDadoda
5/10/2019 12:43:53 PM



#20
Methylene Chloride
Concen: 19.714 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion: 84 Resp: 198892
Ion Ratio Lower Upper
84 100
49 127.8 107.0 160.6
51 41.6 33.0 49.4
86 63.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.534 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

VN0509WBSD01

Tot Ion: 96 Resp: 172197

Ion Ratio Lower Upper

96 100

61 144.7 127.4 191.0

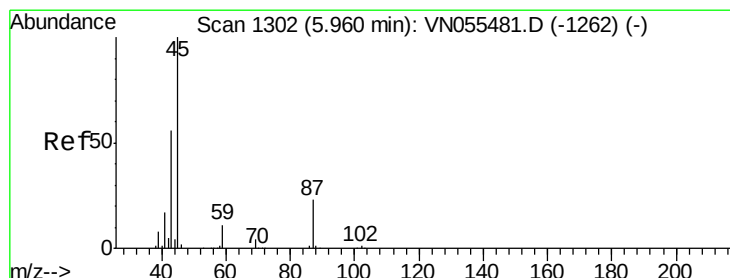
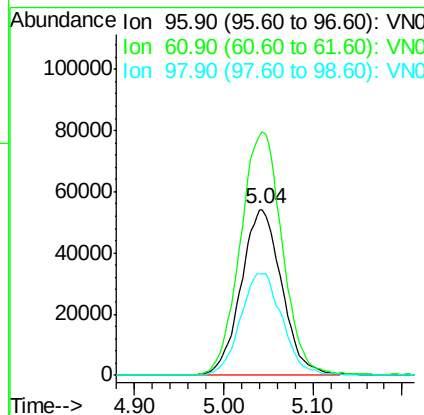
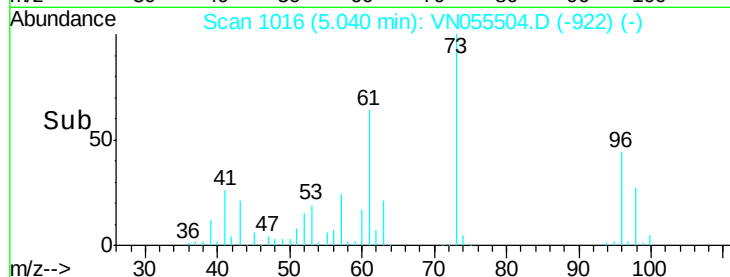
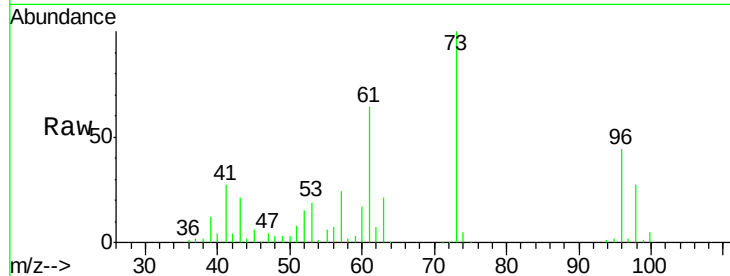
98 61.2 51.6 77.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.363 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Tgt Ion: 45 Resp: 655644

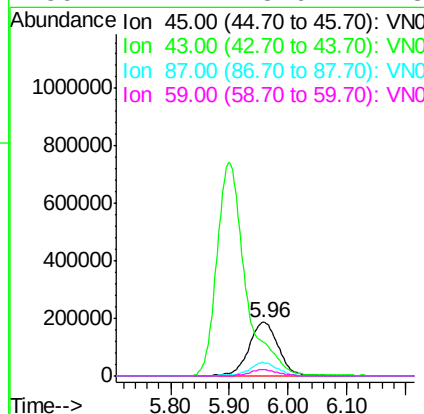
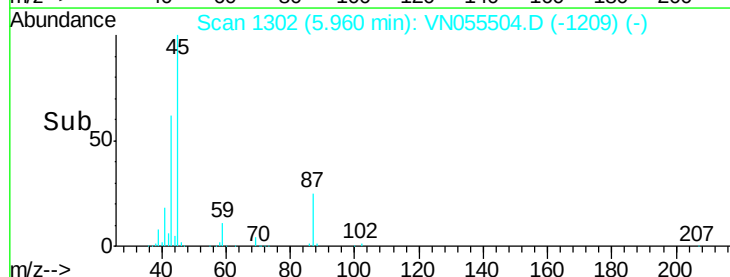
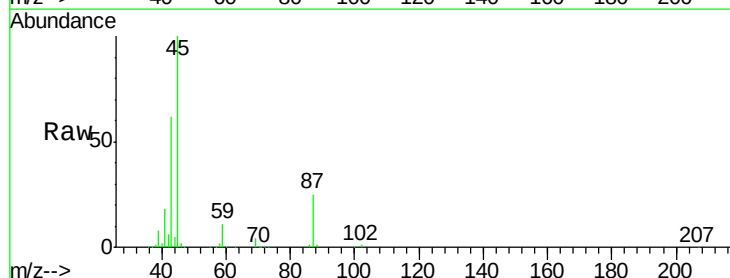
Ion Ratio Lower Upper

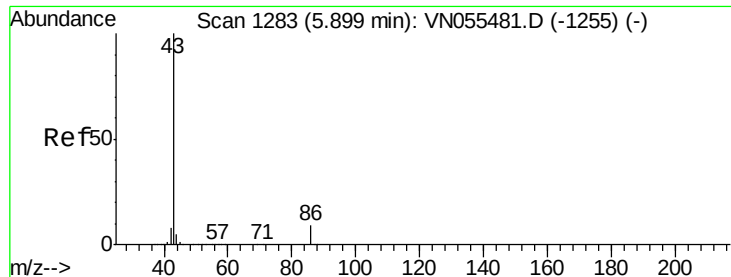
45 100

43 60.8 44.6 66.8

87 24.8 18.6 28.0

59 11.1 8.6 12.8





#23

Vinyl Acetate

Concen: 101.187 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Tot Ion: 43 Resp: 2519582

Ion Ratio Lower Upper

43 100

86 9.1 7.1 10.7

Instrument :

MSVOA_N

ClientSampled :

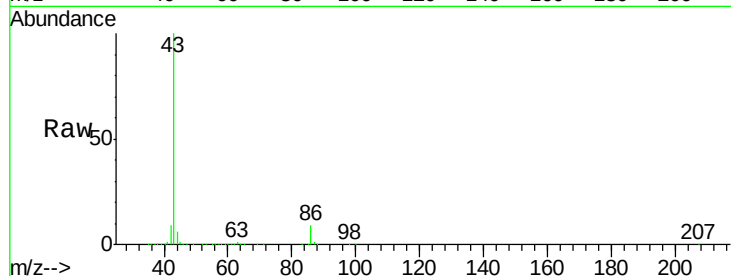
VN0509WBSD01

Manual Integrations

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5/10/2019 12:43:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

800000

600000

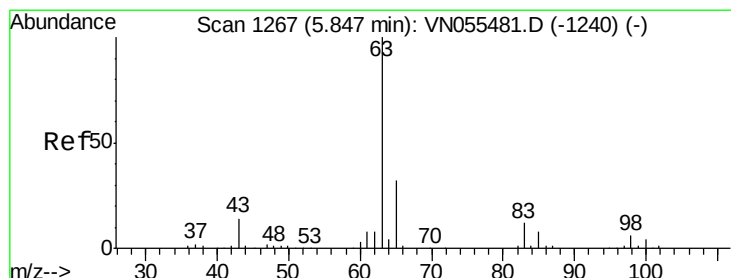
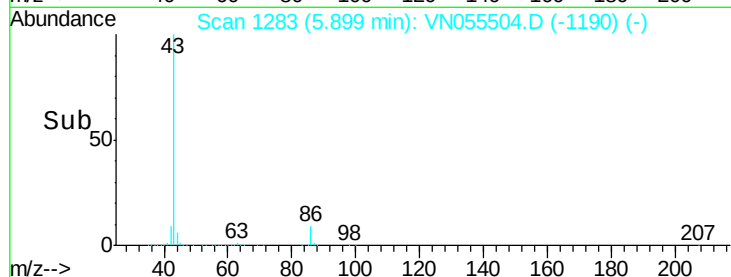
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 20.398 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

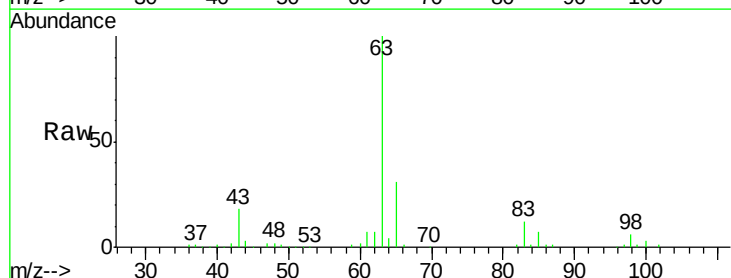
Tgt Ion: 63 Resp: 354534

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.0

100 3.3 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

150000

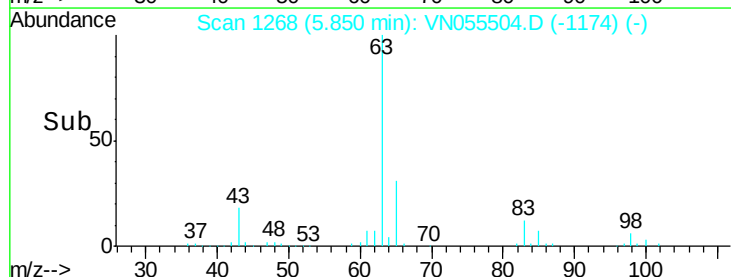
100000

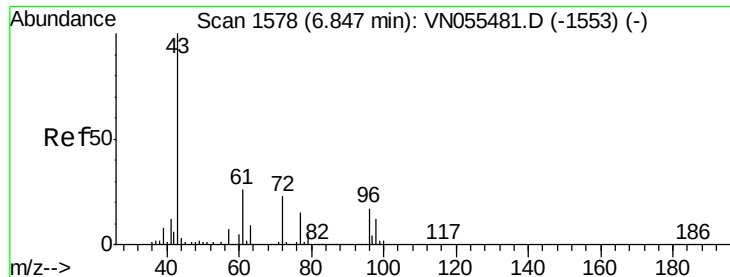
50000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 93.258 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

VN0509WBSD01

Tot Ion: 43 Resp: 635605

Ion Ratio Lower Upper

43 100

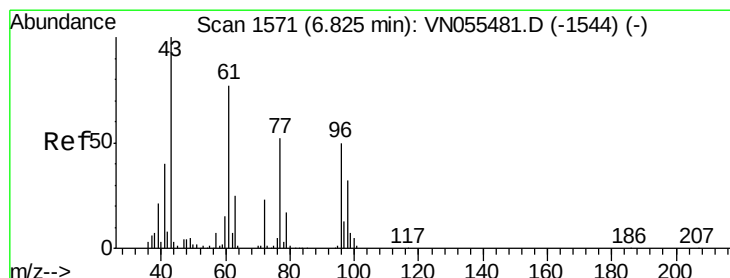
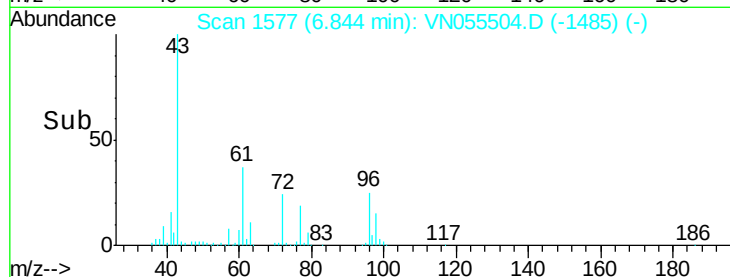
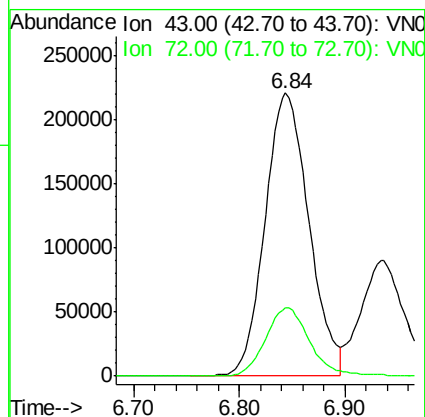
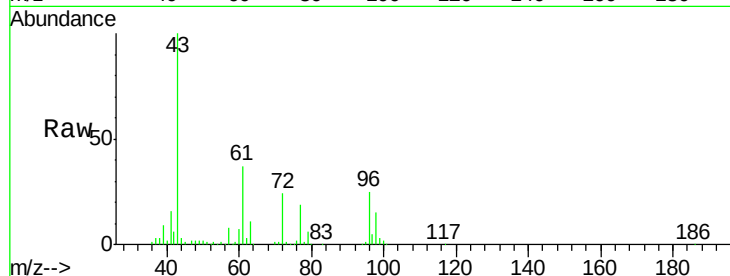
72 24.0 18.6 27.8

Manual Integrations

APPROVED

MMDadoda

5/10/2019 12:43:53 PM



#26

2,2-Dichloropropane

Concen: 17.383 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055504.D

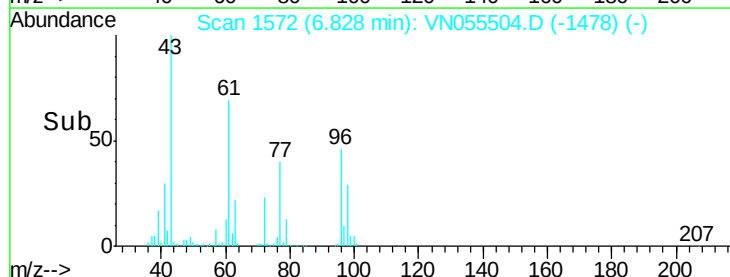
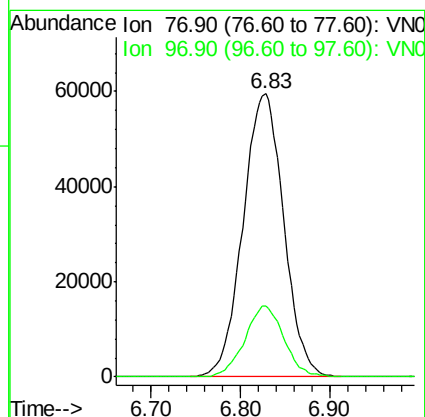
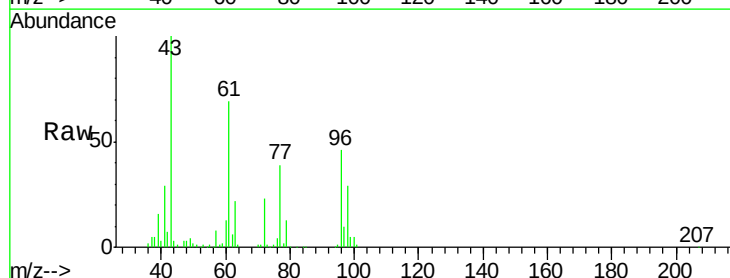
Acq: 9 May 2019 18:09

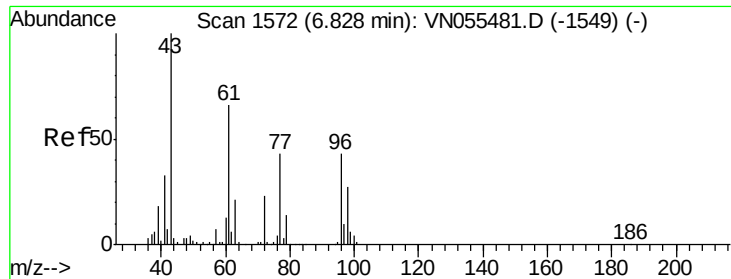
Tgt Ion: 77 Resp: 188341

Ion Ratio Lower Upper

77 100

97 24.1 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 20.962 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

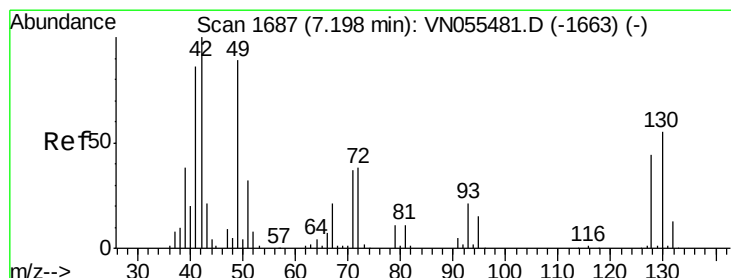
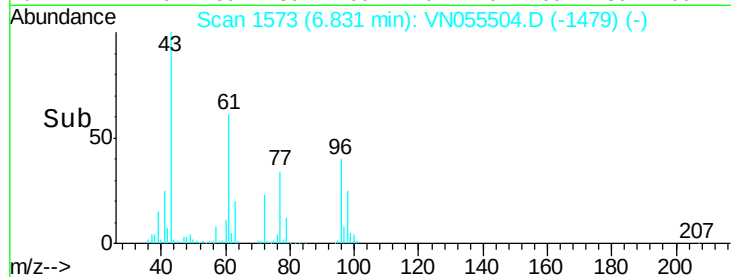
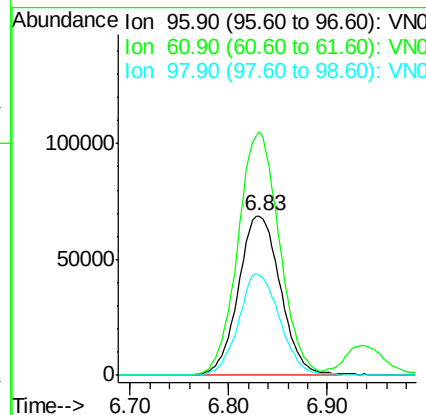
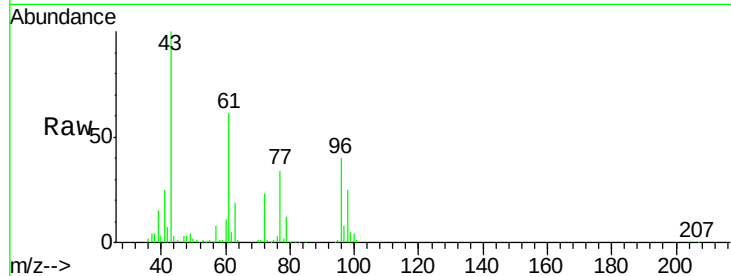
ClientSampled :

VN0509WBSD01

Tot Ion:	96	Resp:	203163
Ion Ratio	Lower	Upper	
96	100		
61	150.9	0.0	310.8
98	62.7	0.0	129.4

Manual Integrations
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#28

Bromochloromethane

Concen: 22.477 ug/l

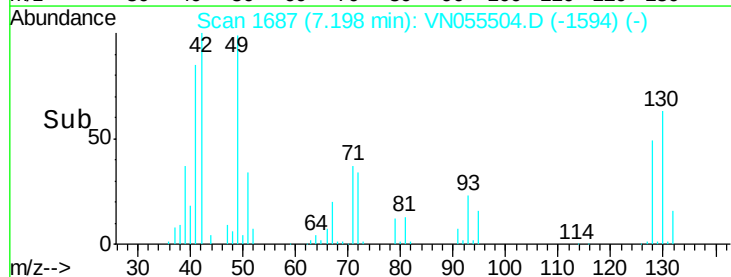
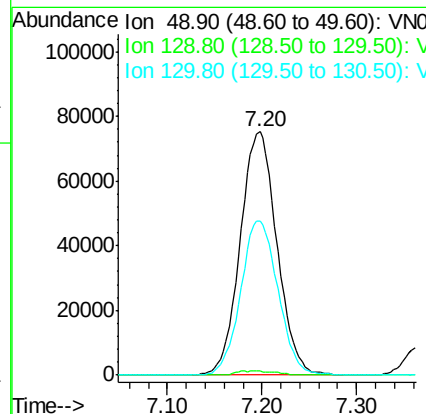
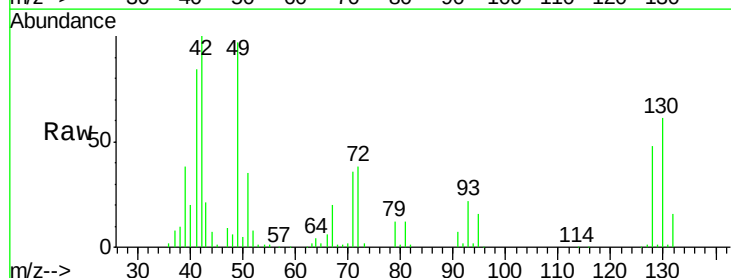
RT: 7.20 min Scan# 1687

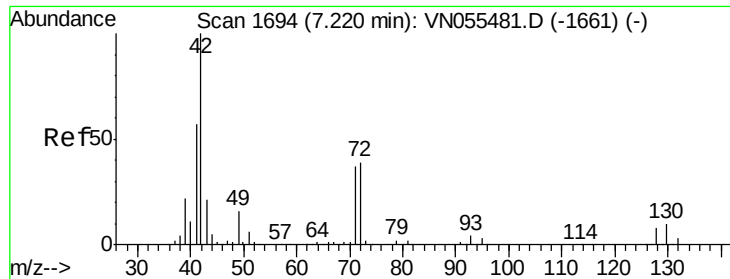
Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Tgt Ion:	49	Resp:	202886
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.2
130	64.5	49.5	74.3





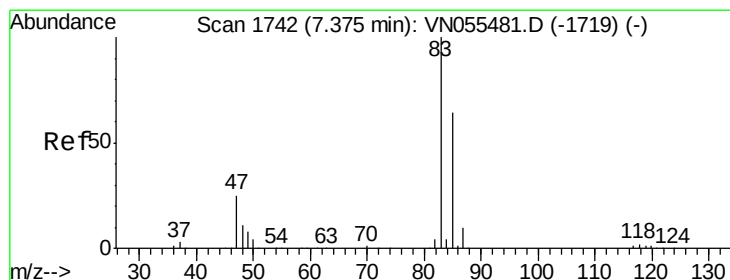
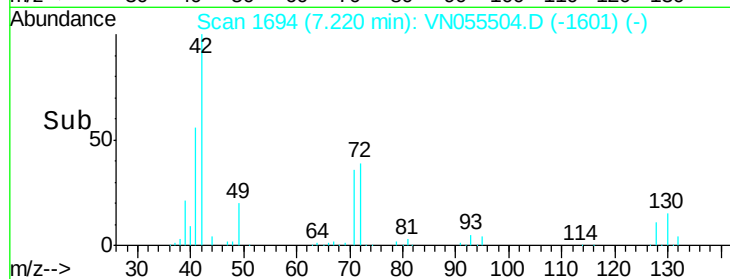
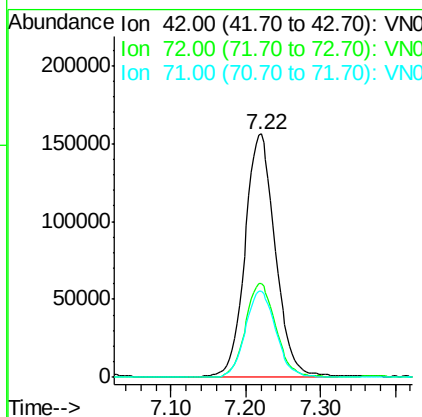
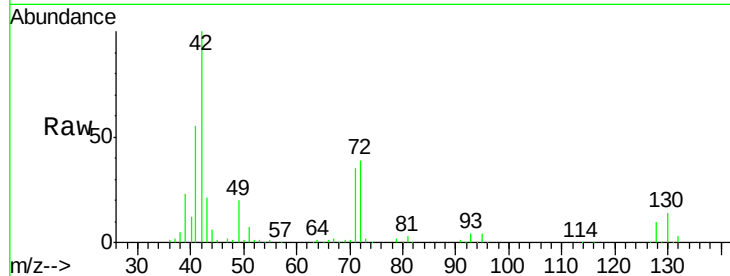
#29
Tetrahydrofuran
Concen: 97.253 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.9	31.0	46.6
71	35.9	29.4	44.2

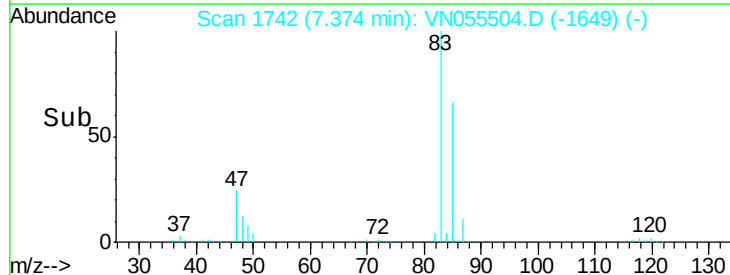
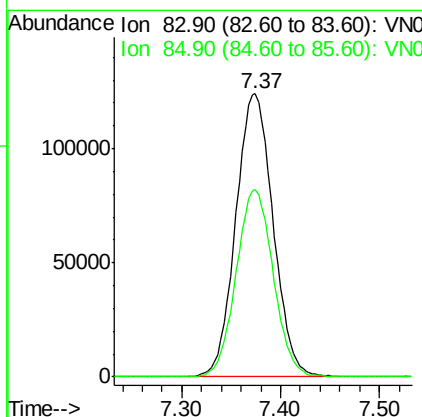
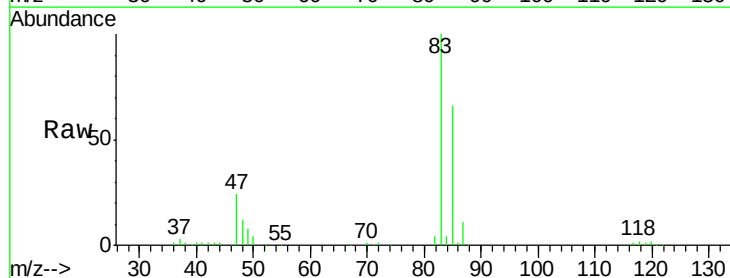
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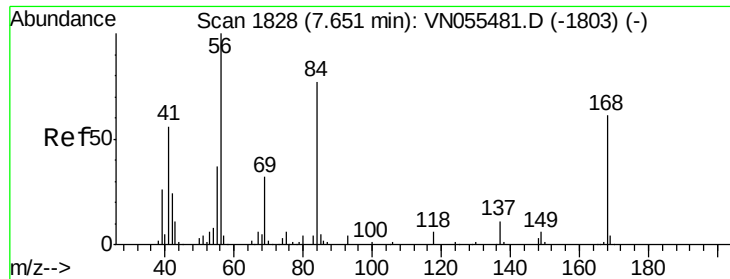
MMDadoda
5/10/2019 12:43:53 PM



#30
Chloroform
Concen: 20.223 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.3	76.9





#31

Cyclohexane

Concen: 19.792 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

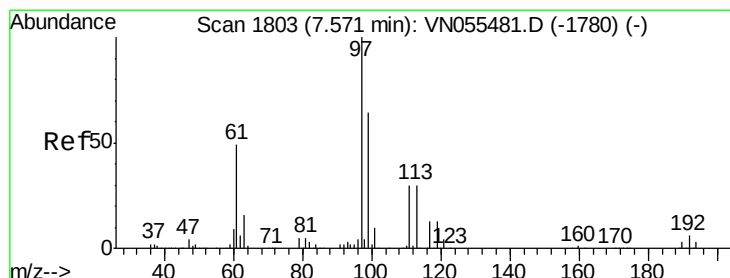
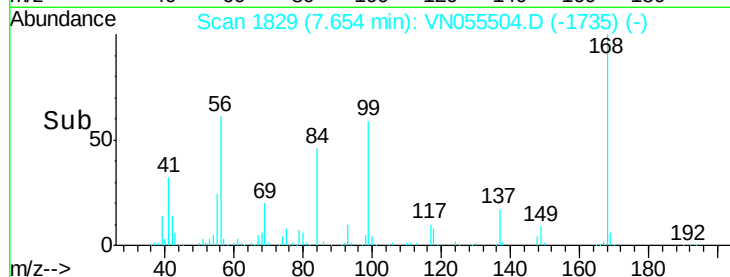
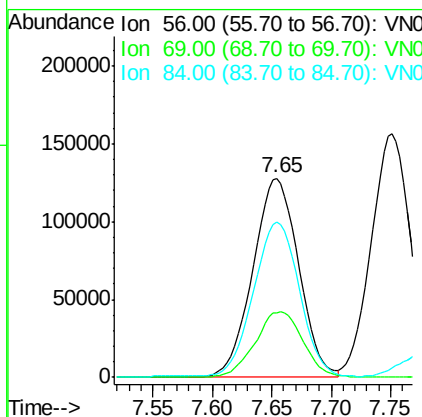
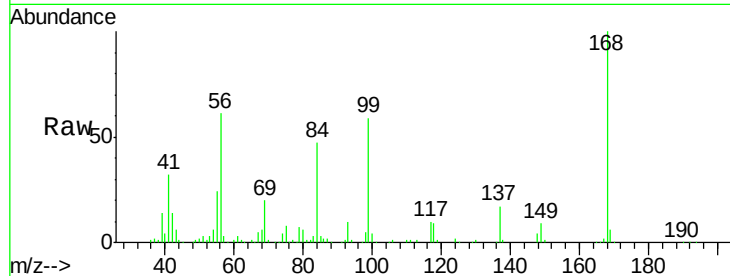
ClientSampleId :

VN0509WBSD01

Tot Ion:	56	Resp:	340361
Ion Ratio	Lower	Upper	
56	100		
69	32.6	26.0	39.0
84	76.8	61.9	92.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.585 ug/l

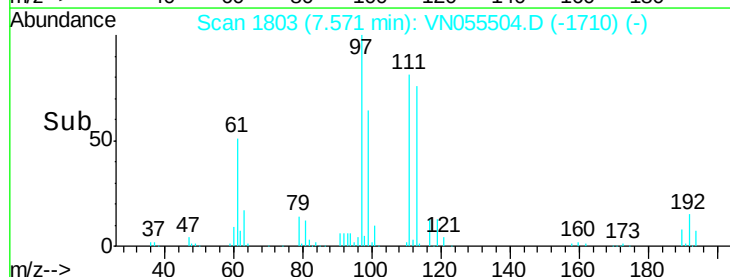
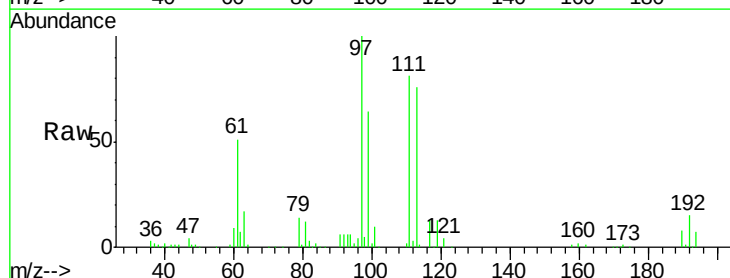
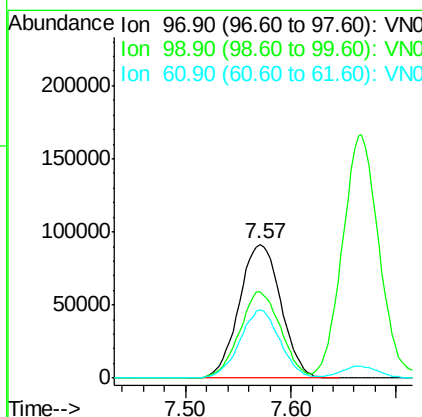
RT: 7.57 min Scan# 1803

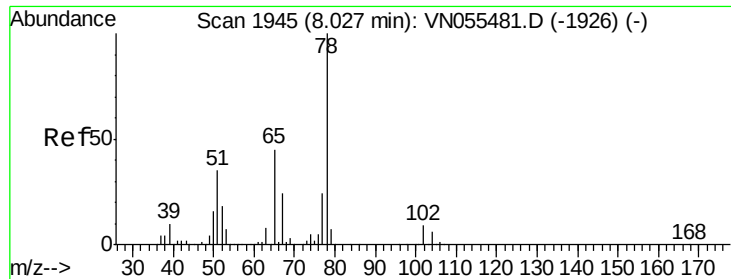
Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Tgt Ion:	97	Resp:	251870
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.2	76.8
61	49.1	39.2	58.8





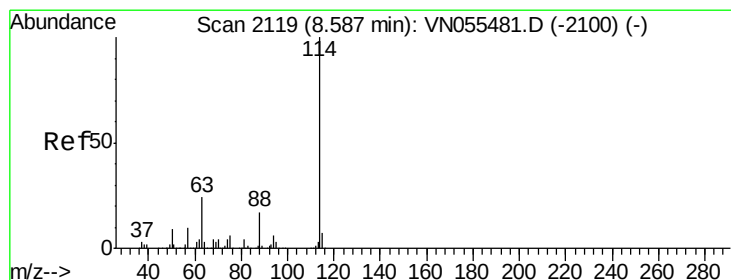
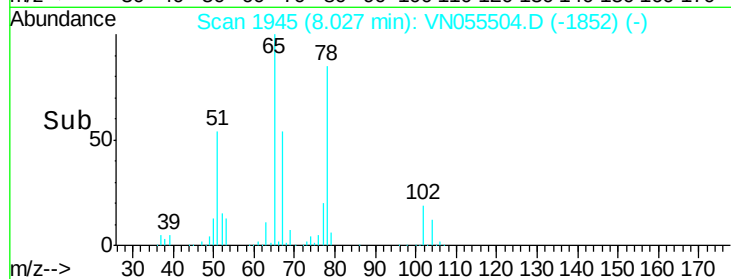
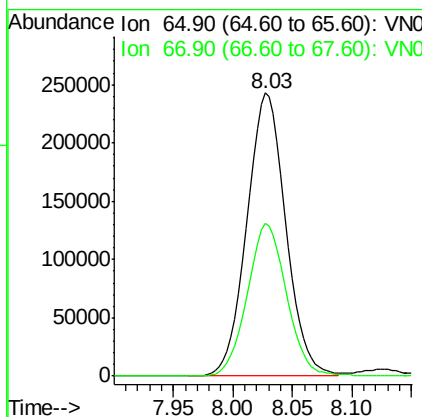
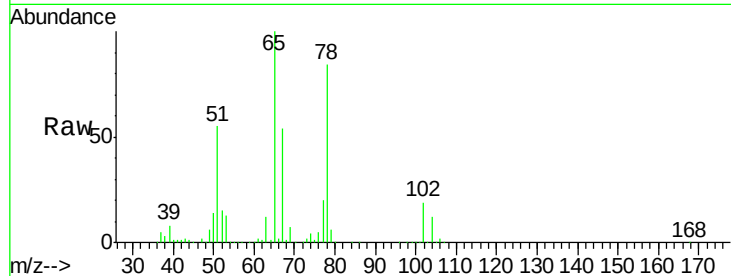
#33
 1,2-Dichloroethane-d4
 Concen: 51.639 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	550246		
67	54.4	0.0	109.6	

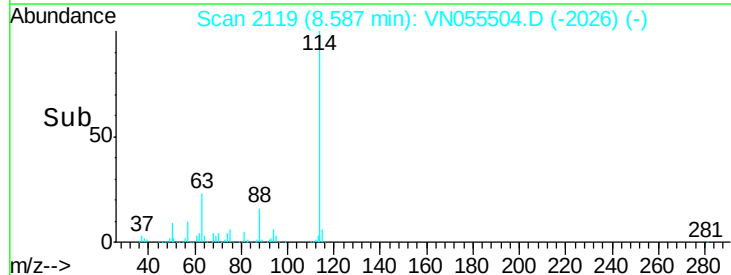
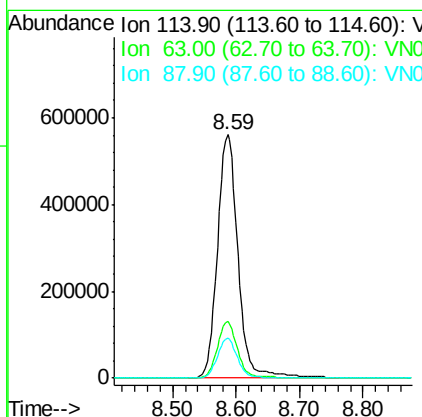
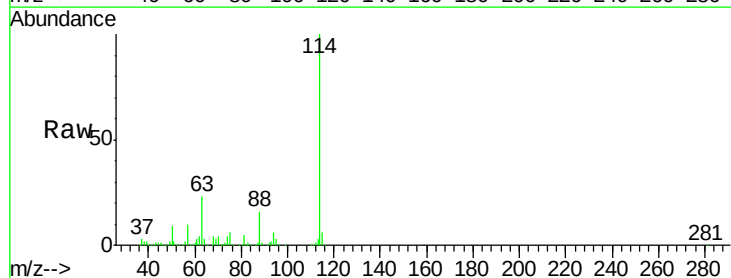
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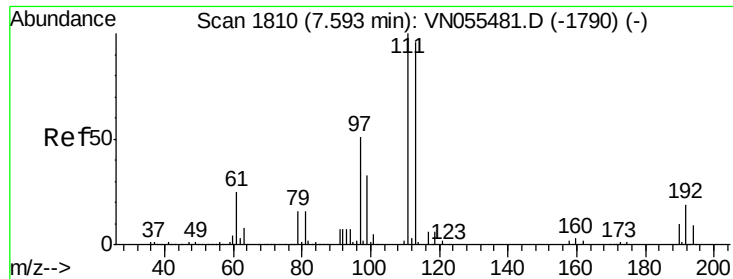
MMDadoda
 5/10/2019 12:43:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1260830		
63	23.1	0.0	47.4	
88	16.2	0.0	34.0	





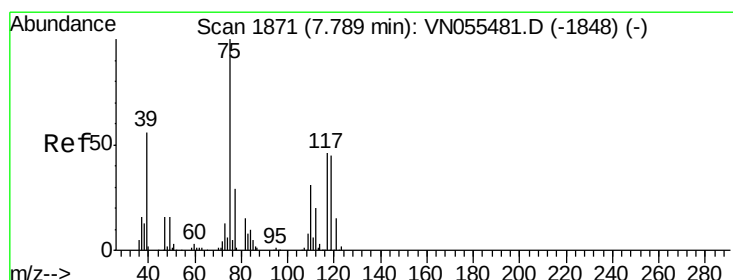
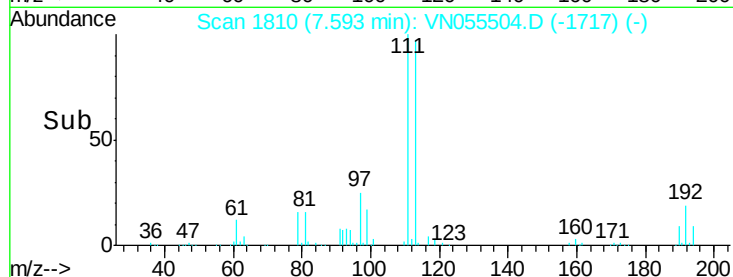
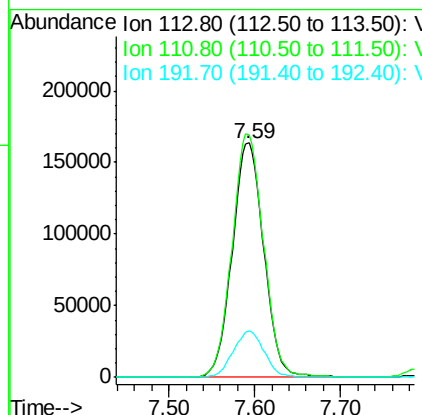
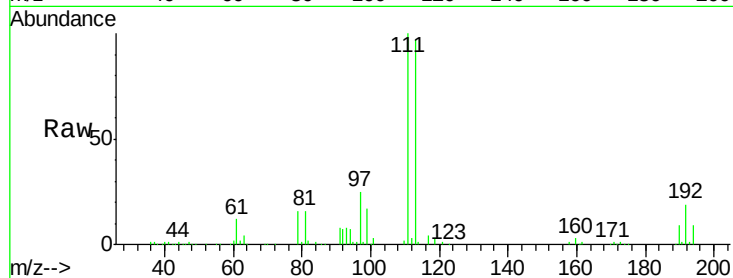
#35
 Dibromofluoromethane
 Concen: 51.149 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	416014		
111	103.8	82.9	124.3	
192	19.4	15.6	23.4	

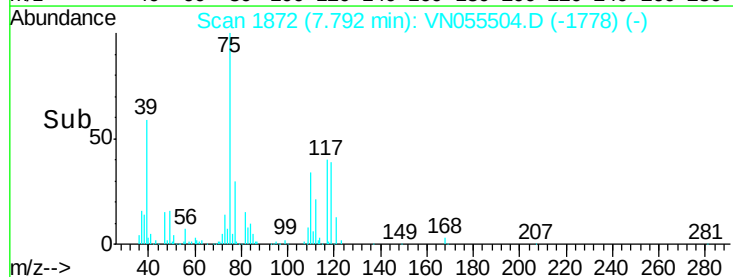
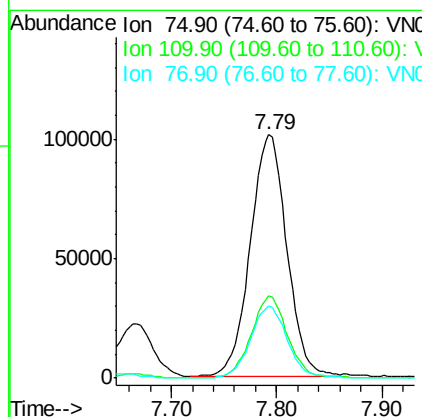
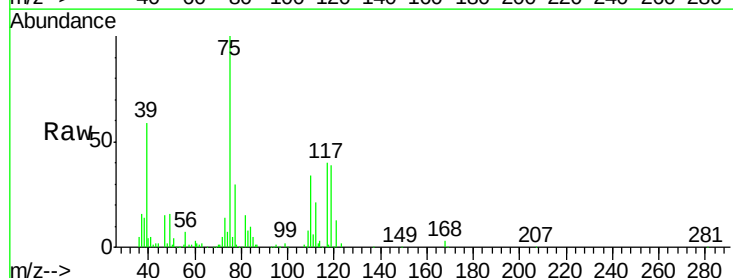
Manual Integrations
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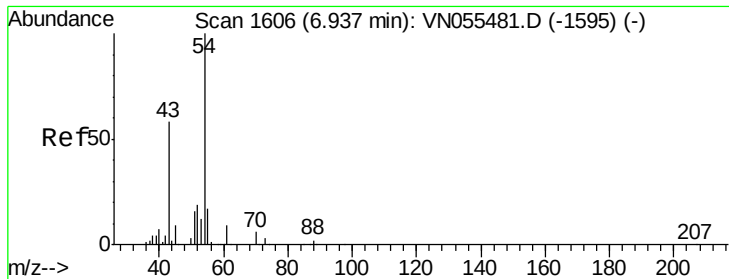
MMDadoda
 5/10/2019 12:43:53 PM



#36
 1,1-Dichloropropene
 Concen: 19.675 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	244393		
110	33.9	16.1	48.3	
77	30.3	24.6	37.0	





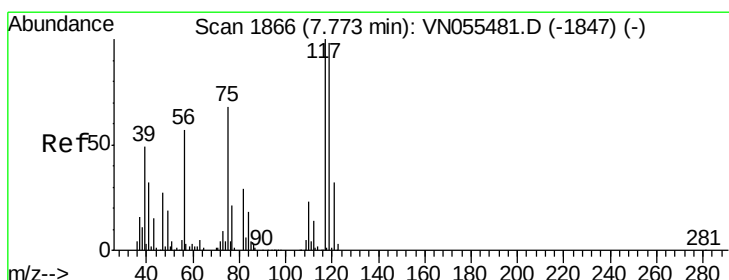
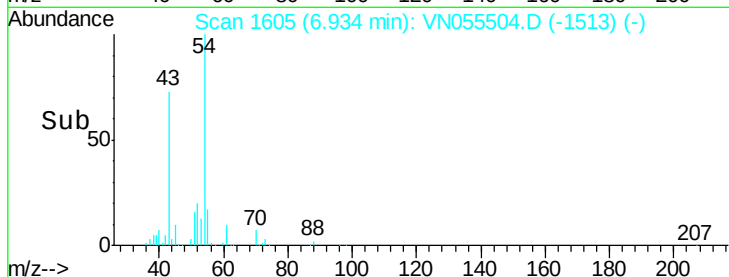
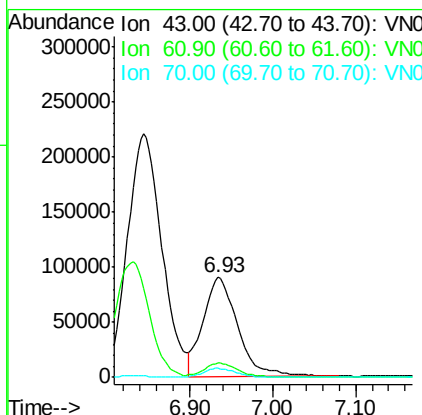
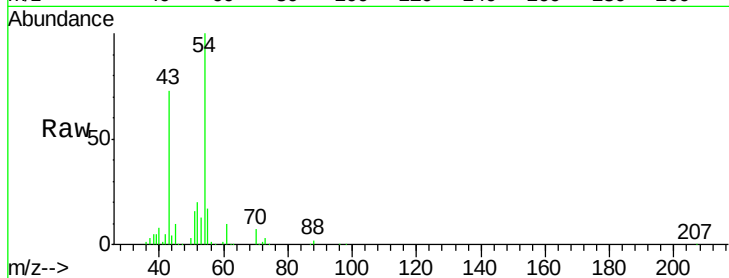
#37
Ethyl Acetate
Concen: 19.293 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampled :
VN0509WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	261419		
61	13.8		10.9	16.3
70	8.5		7.0	10.6

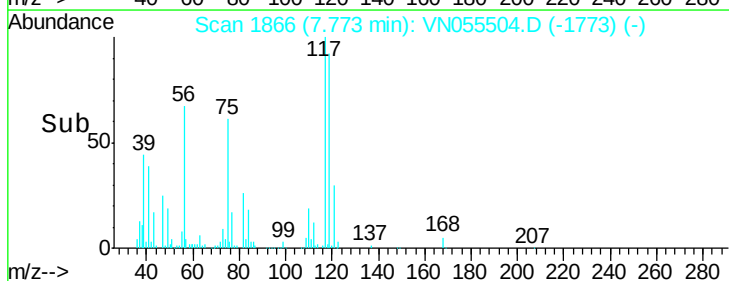
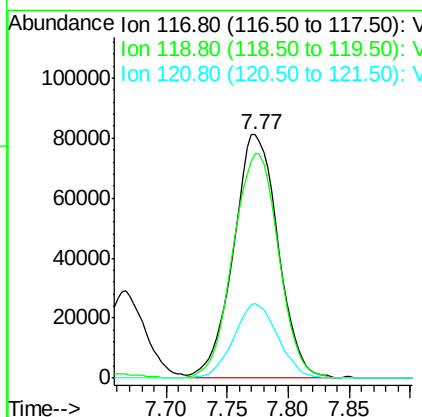
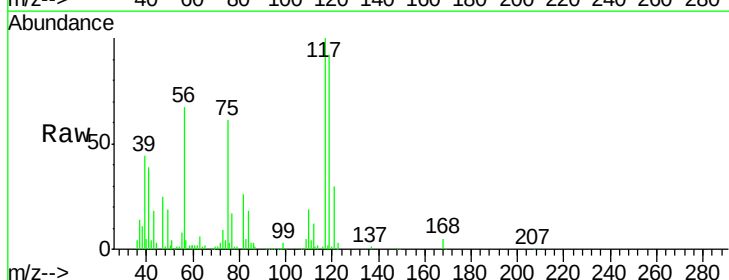
Manual Integrations
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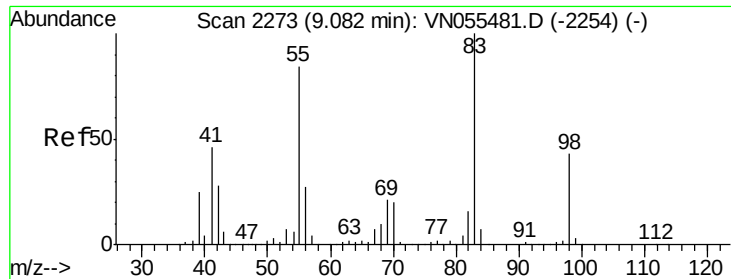
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.564 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	204624		
119	92.5		77.8	116.6
121	30.5		25.2	37.8





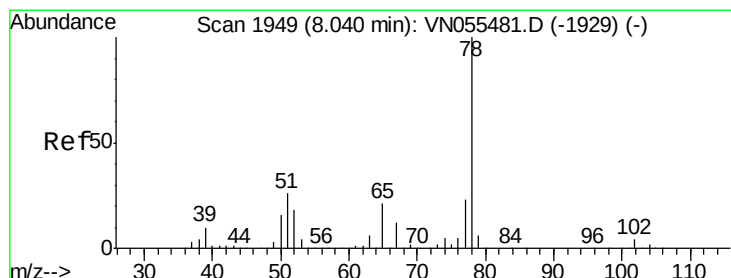
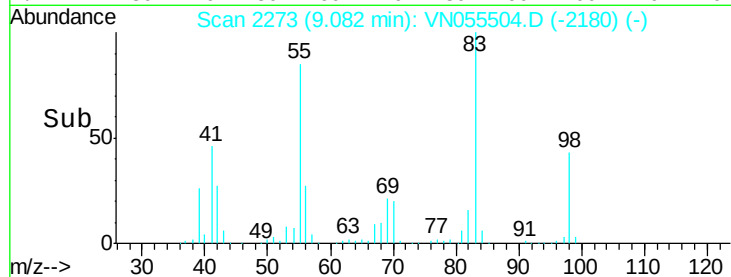
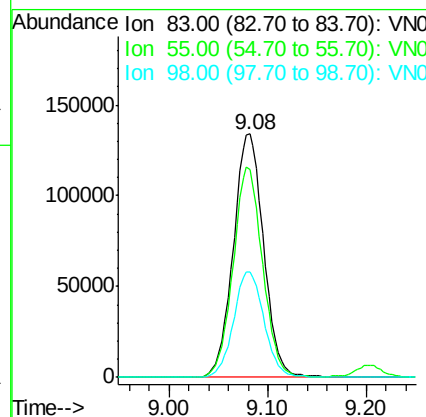
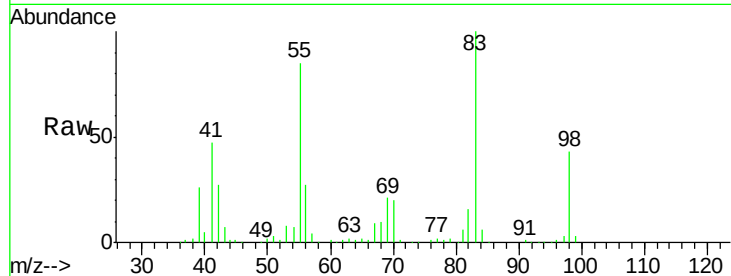
#39
Methylvlcyclohexane
Concen: 18.929 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampled :
VN0509WBSD01

Tot Ion	83	Resp	286677
Ion Ratio	100	Lower	Upper
83	100		
55	85.4	67.0	100.4
98	43.4	34.2	51.4

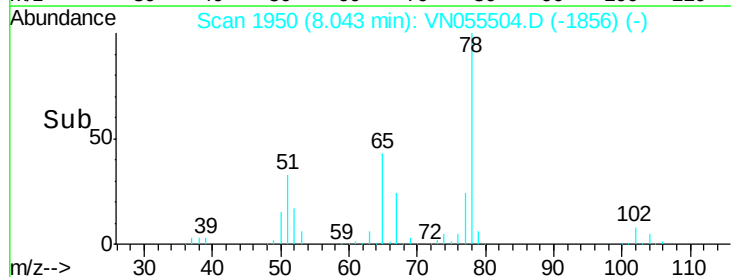
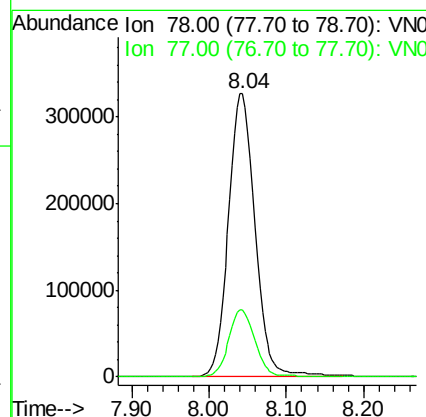
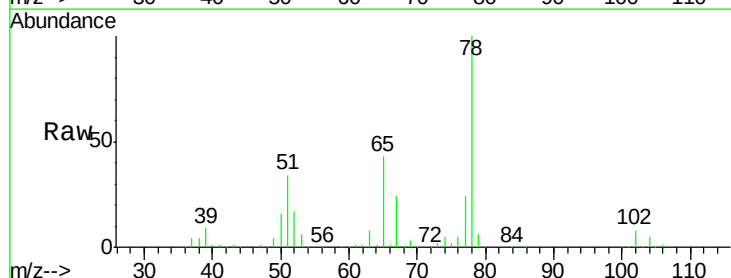
Manual Integrations
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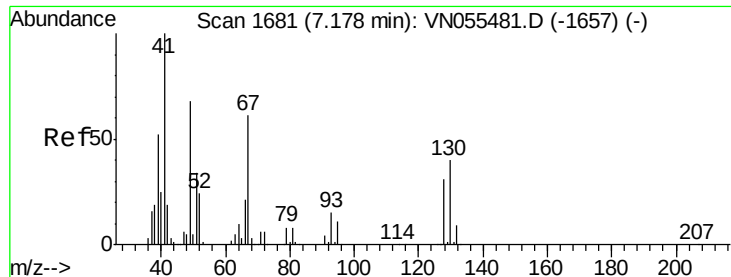
MMDadoda
5/10/2019 12:43:53 PM



#40
Benzene
Concen: 20.307 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion	78	Resp	782864
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	18.6	27.8





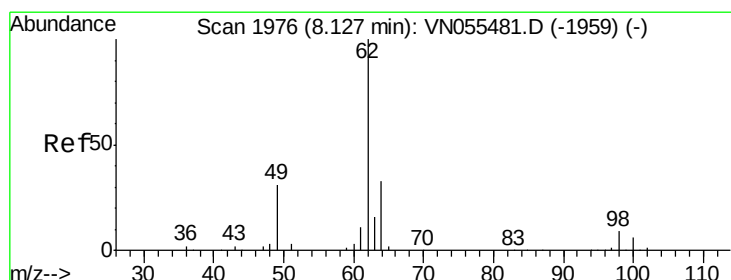
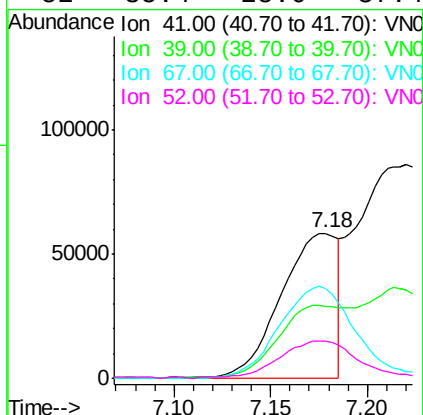
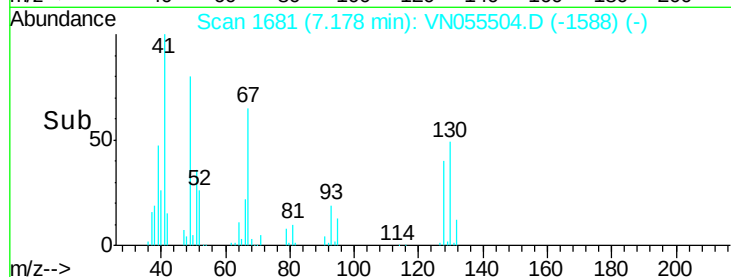
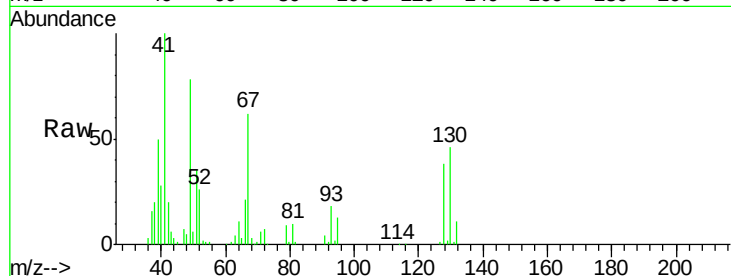
#41
Methacrylonitrile
Concen: 18.747 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD01

Tot Ion	41	Resp	117900
Ion	Ratio	Lower	Upper
41	100		
39	61.5	44.7	67.1
67	86.1	61.4	92.0
52	35.4	25.0	37.4

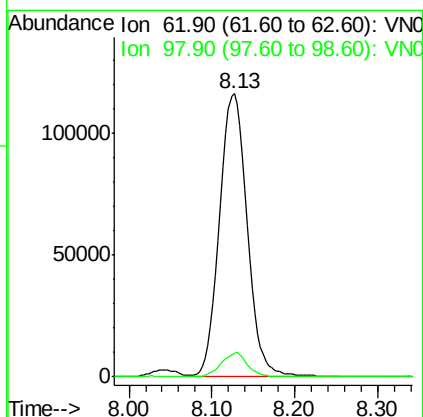
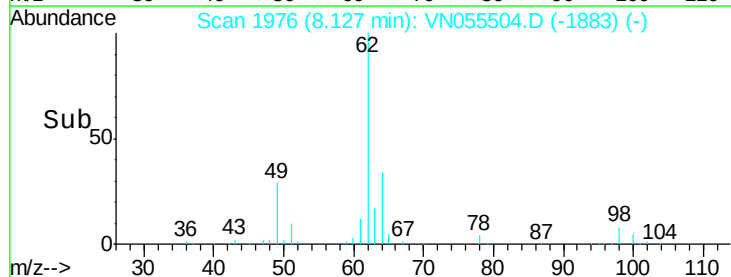
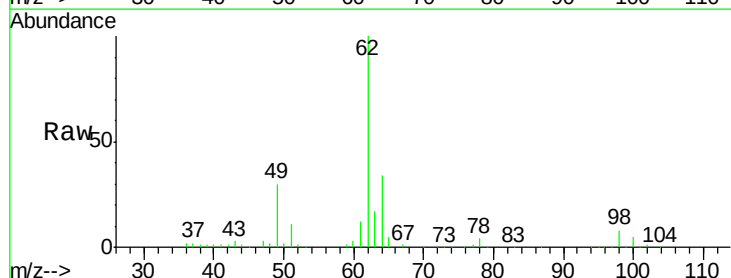
Manual Integrations
APPROVED

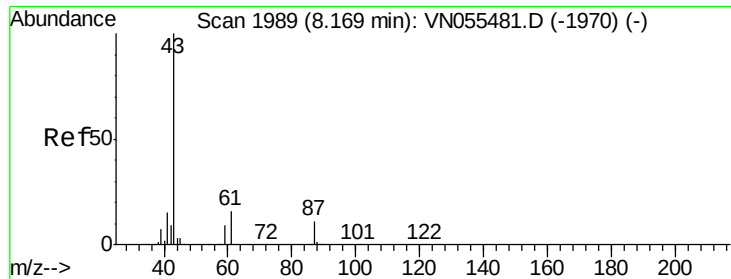
MMDadoda
5/10/2019 12:43:53 PM



#42
1,2-Dichloroethane
Concen: 19.940 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion	62	Resp	270061
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.4





#43

Isopropyl Acetate

Concen: 19.605 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

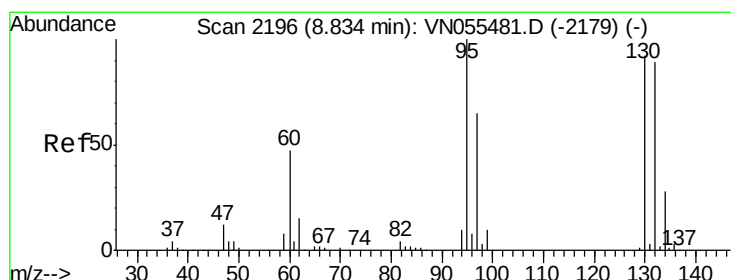
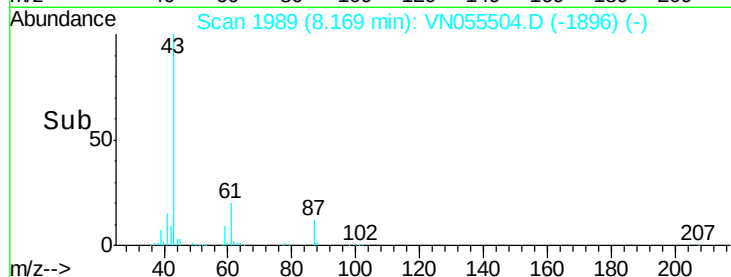
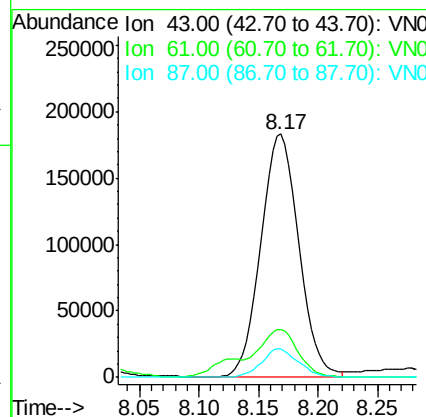
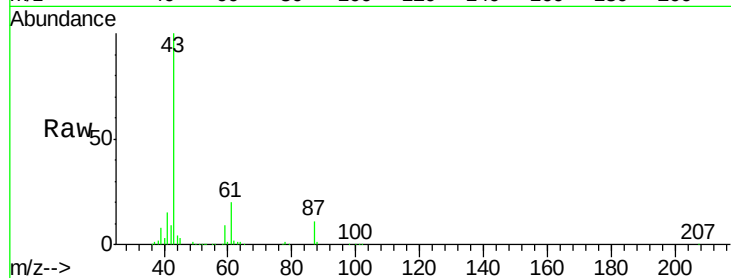
ClientSampleID :

VN0509WBSD01

Tot Ion:	43	Resp:	403575
Ion Ratio	Lower	Upper	
43	100		
61	19.3	15.1	22.7
87	11.4	9.0	13.6

Manual Integrations
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MMDadoda
5/10/2019 12:43:53 PM



#44

Trichloroethene

Concen: 19.770 ug/l

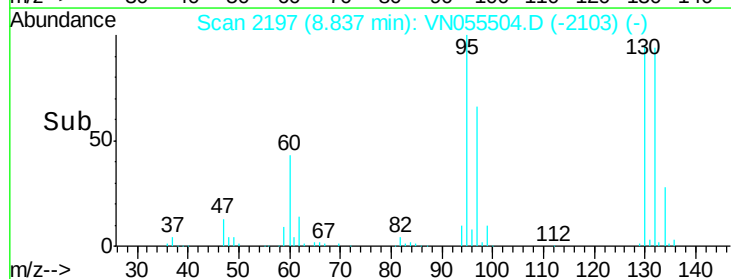
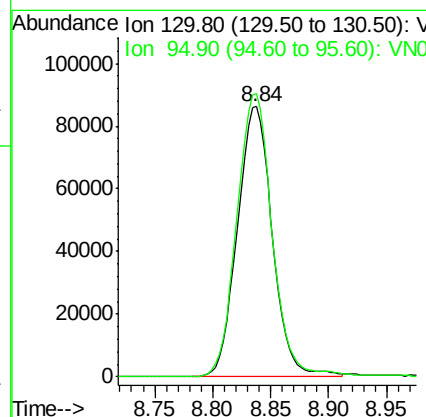
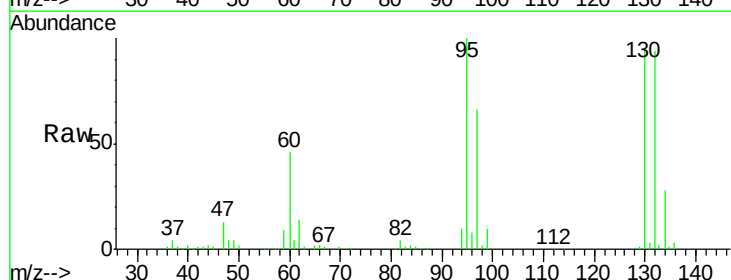
RT: 8.84 min Scan# 2197

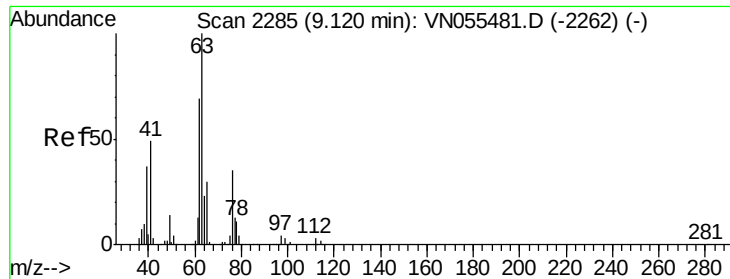
Delta R.T. 0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Tgt Ion:	130	Resp:	181346
Ion Ratio	Lower	Upper	
130	100		
95	104.8	0.0	216.8





#45

1,2-Dichloropropane

Concen: 20.096 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBSD01

Tot Ion: 63 Resp: 221664

Ion Ratio Lower Upper

63 100

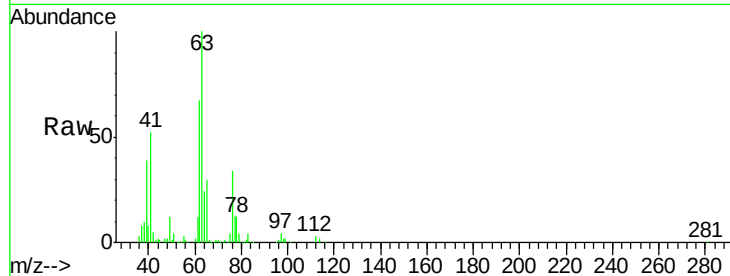
65 30.2 24.1 36.1

Manual Integrations

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5/10/2019 12:43:53 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

120000

100000

80000

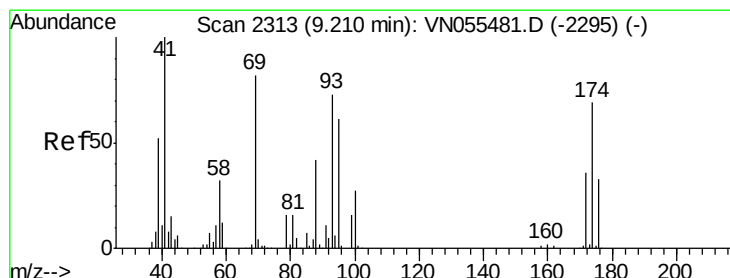
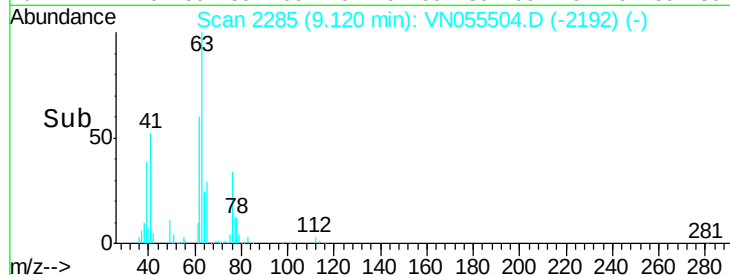
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 19.759 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

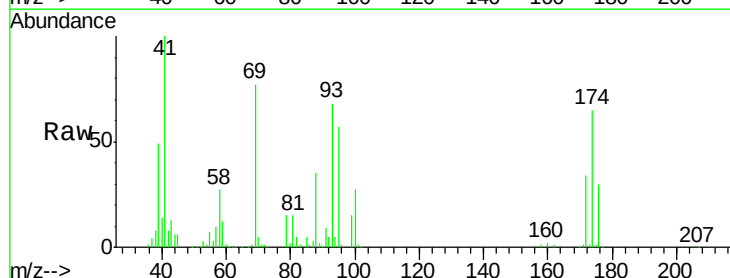
Tgt Ion: 93 Resp: 126333

Ion Ratio Lower Upper

93 100

95 84.9 64.8 97.2

174 95.3 75.0 112.6



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

9.21

80000

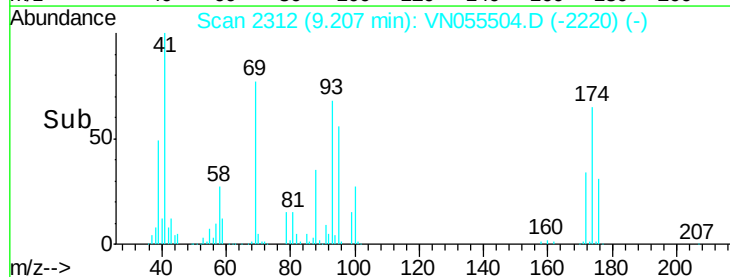
60000

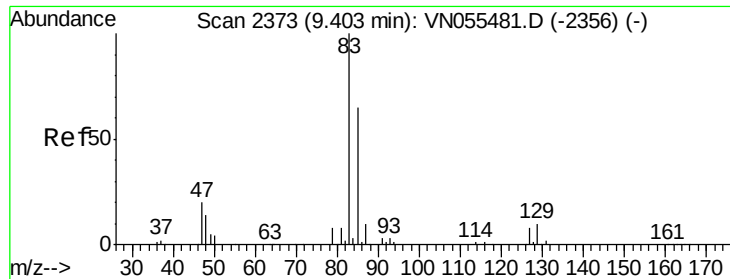
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 19.638 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

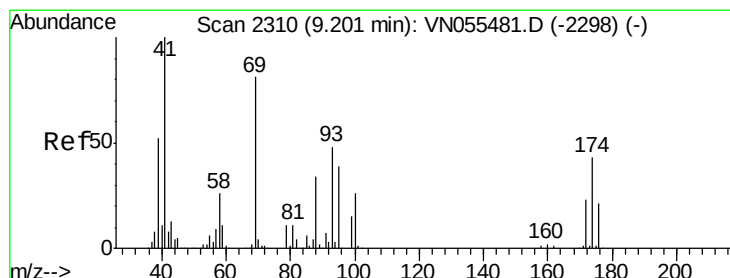
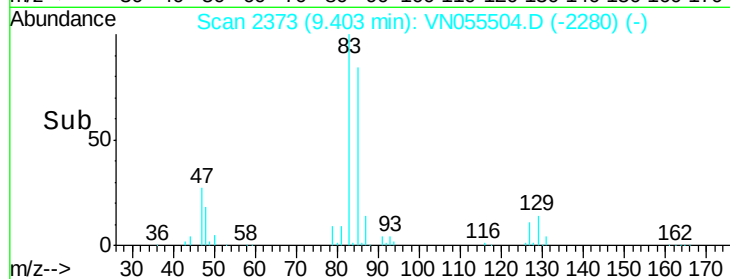
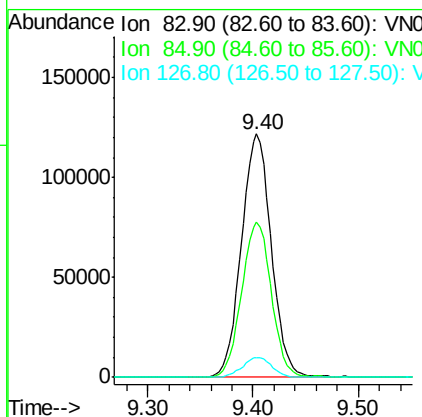
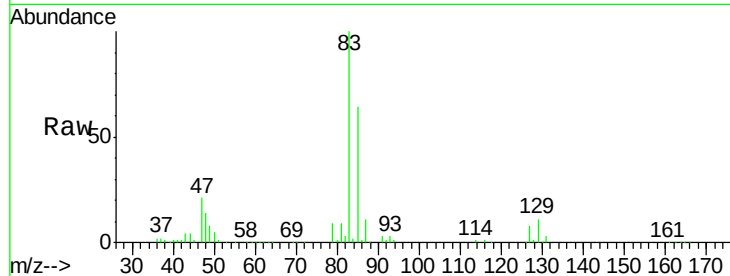
ClientSampleId :

VN0509WBSD01

Tot Ion:	83	Resp:	240200
Ion Ratio	Lower	Upper	
83	100		
85	63.5	52.2	78.2
127	8.3	6.5	9.7

Manual Integrations
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5/10/2019 12:43:53 PM



#48

Methyl methacrylate

Concen: 19.283 ug/l

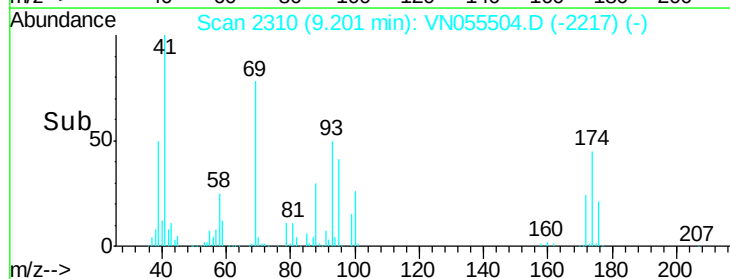
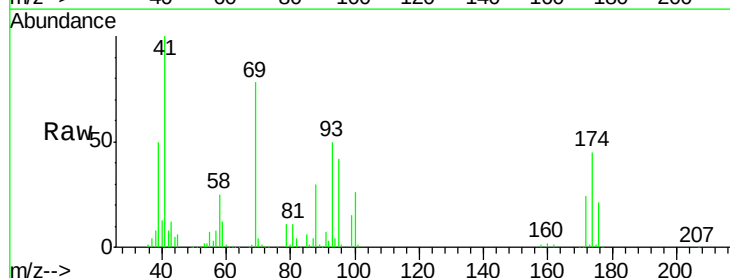
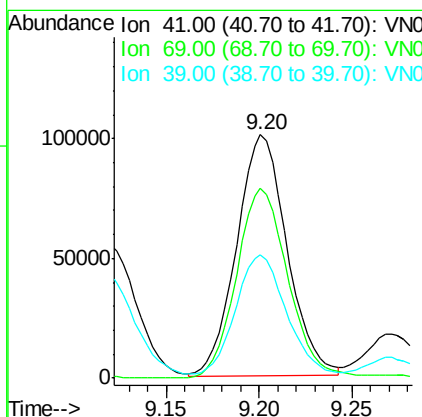
RT: 9.20 min Scan# 2310

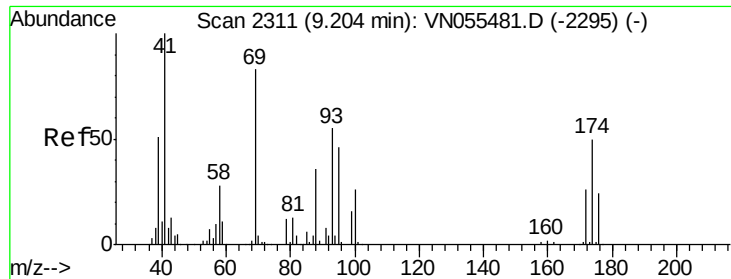
Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Tgt Ion:	41	Resp:	191249
Ion Ratio	Lower	Upper	
41	100		
69	80.2	64.2	96.2
39	52.1	41.6	62.4





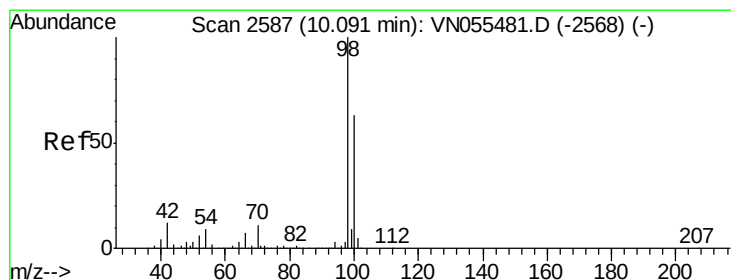
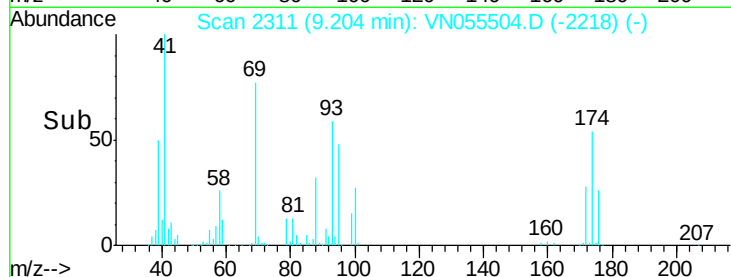
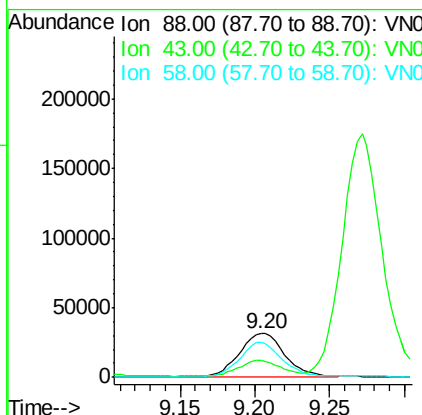
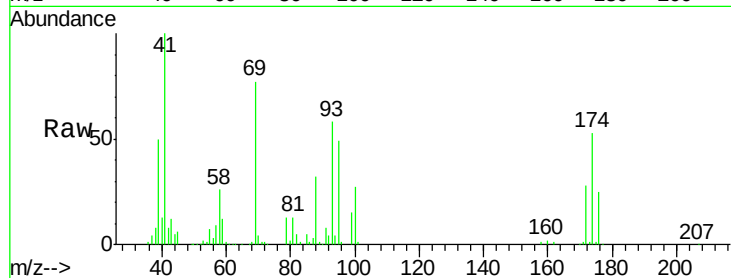
#49
 1,4-Dioxane
 Concen: 348.296 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBSD01

Tot Ion	88	Resp	67328
Ion	Ratio	Lower	Upper
88	100		
43	30.8	27.8	41.8
58	75.9	61.8	92.6

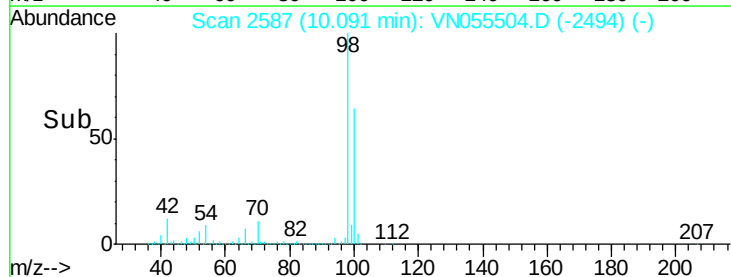
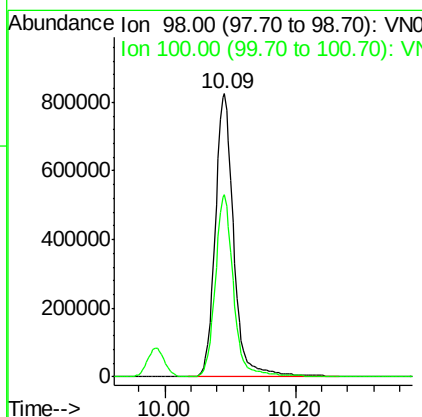
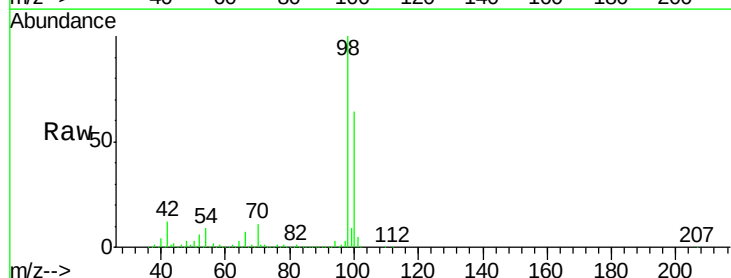
Manual Integrations
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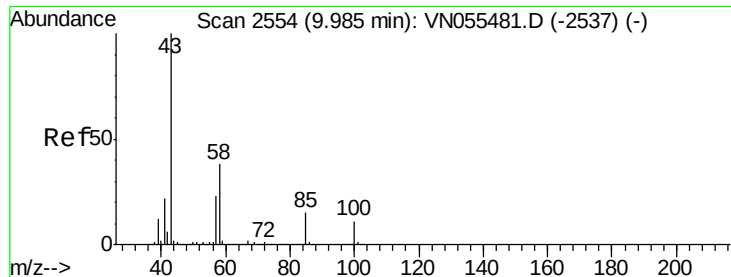
MMDadoda
 5/10/2019 12:43:53 PM



#50
 Toluene-d8
 Concen: 51.379 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Tgt Ion	98	Resp	1628449
Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 94.657 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBSD01

Tot Ion: 43 Resp: 1281525

Ion Ratio Lower Upper

43 100

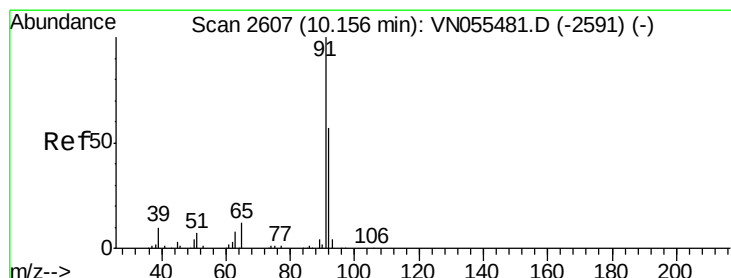
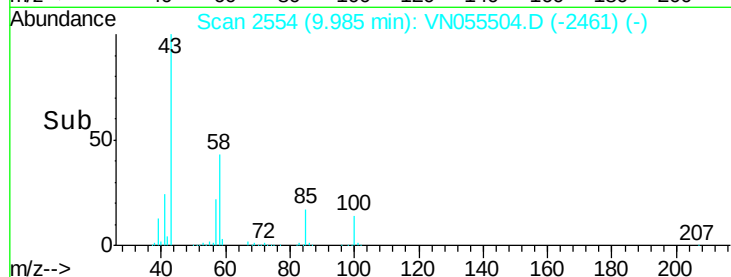
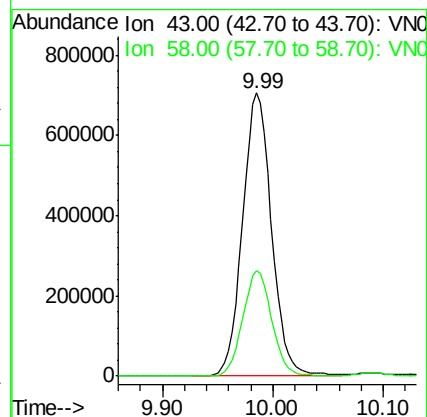
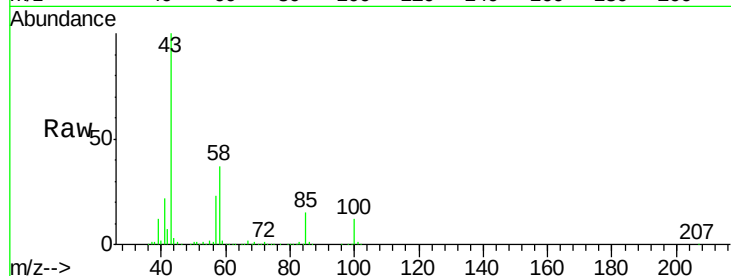
58 37.5 29.9 44.9

Manual Integrations

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#52

Toluene

Concen: 20.375 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055504.D

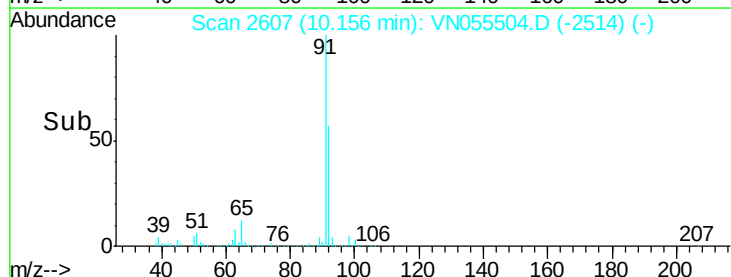
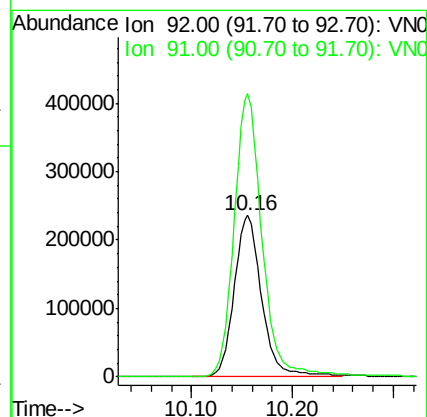
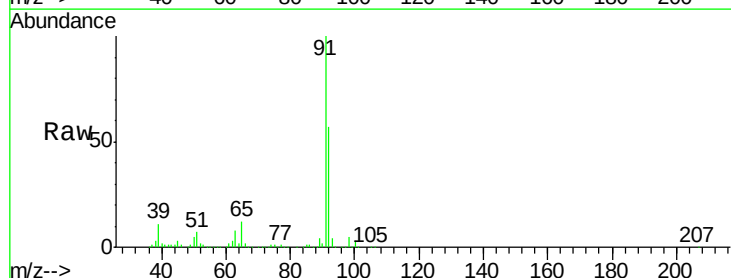
Acq: 9 May 2019 18:09

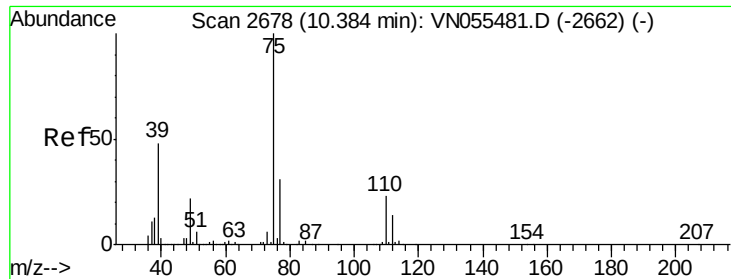
Tgt Ion: 92 Resp: 449046

Ion Ratio Lower Upper

92 100

91 178.1 140.5 210.7





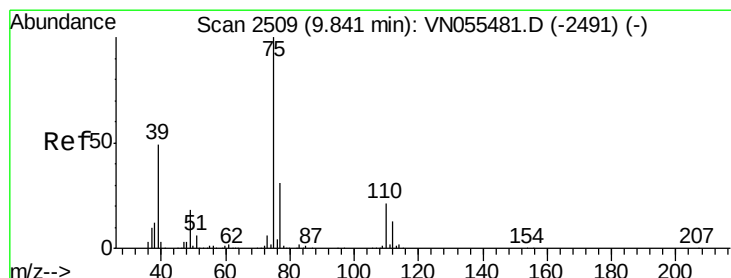
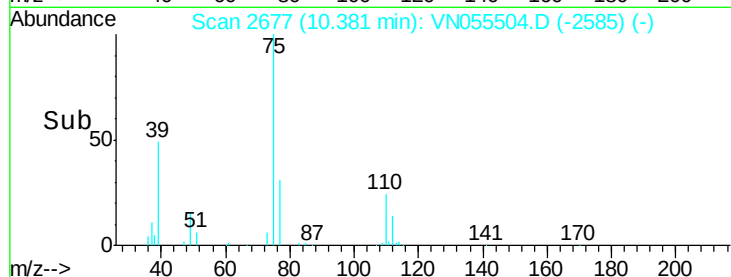
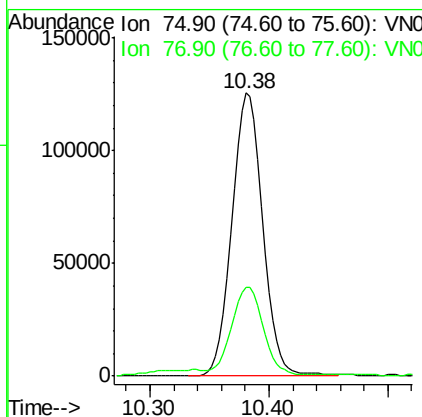
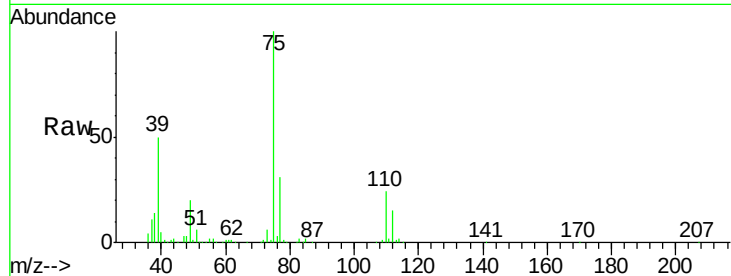
#53
 t-1,3-Dichloropropene
 Concen: 19.233 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBSD01

Tot Ion: 75 Resp: 225937
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.1 37.7

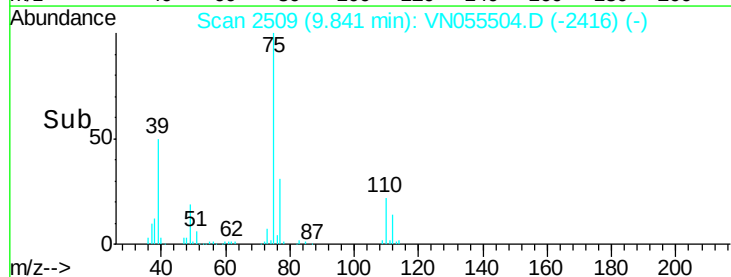
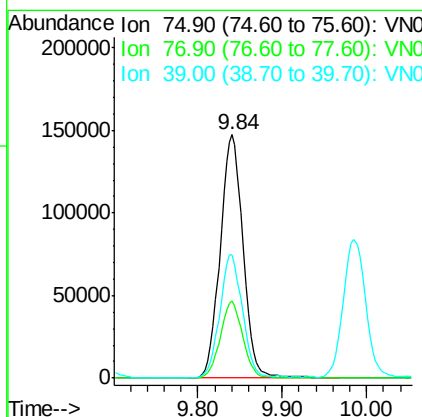
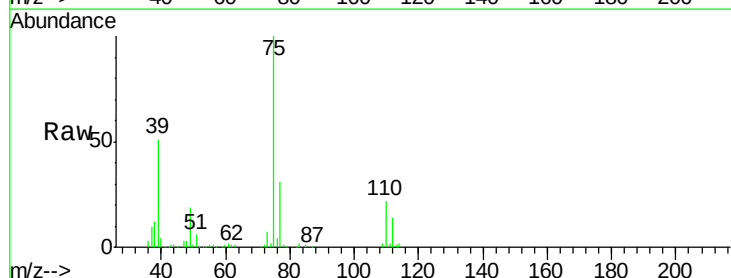
Manual Integrations
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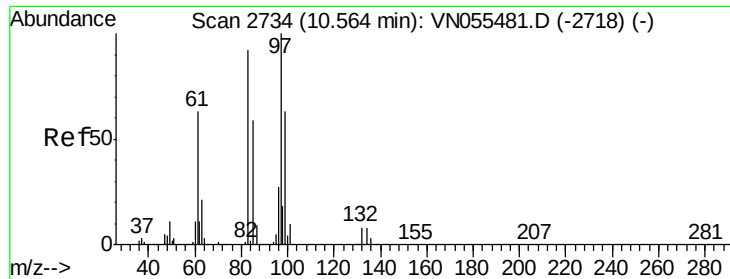
MMDadoda
 5/10/2019 12:43:53 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.767 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Tgt Ion: 75 Resp: 277478
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.4 36.6
 39 50.3 39.5 59.3





#55

1,1,2-Trichloroethane

Concen: 20.090 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

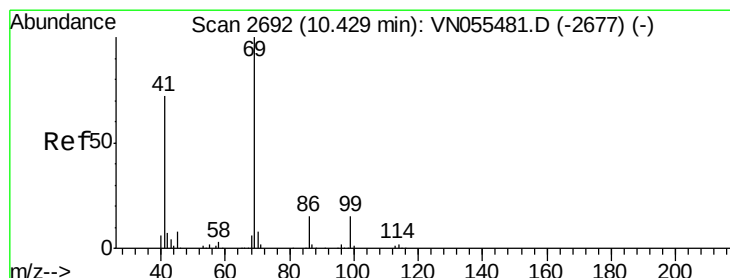
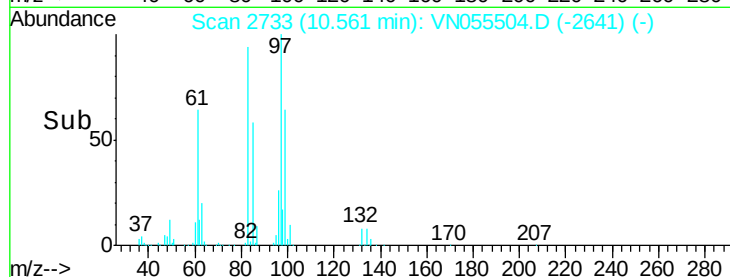
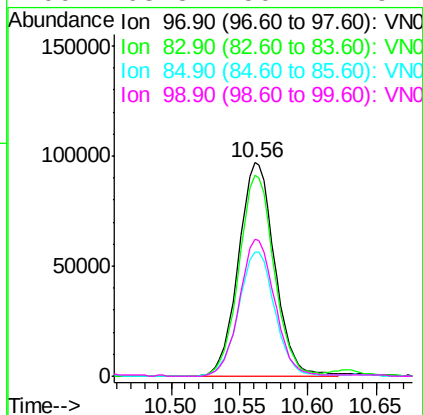
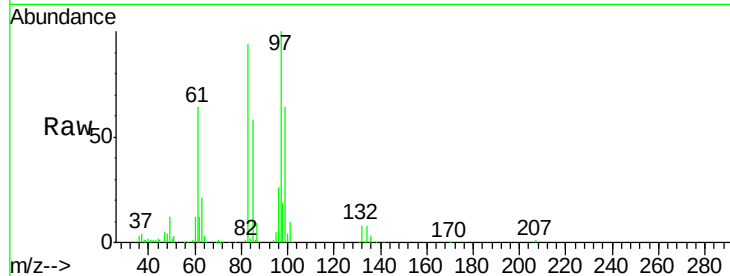
ClientSampleId :

VN0509WBSD01

Tot Ion:	97	Resp:	179392
Ion	Ratio	Lower	Upper
97	100		
83	93.9	73.2	109.8
85	58.2	47.5	71.3
99	63.8	50.2	75.2

Manual Integrations
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5/10/2019 12:43:53 PM



#56

Ethyl methacrylate

Concen: 19.165 ug/l

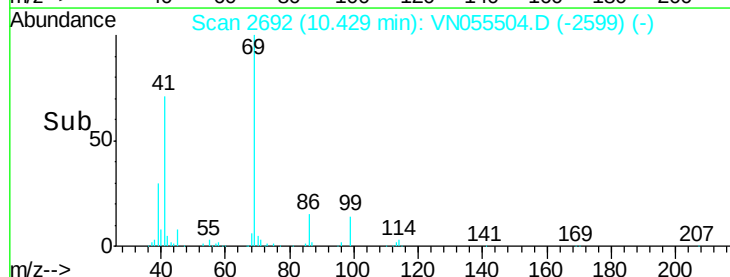
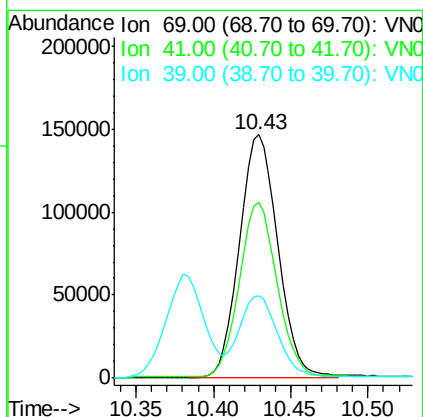
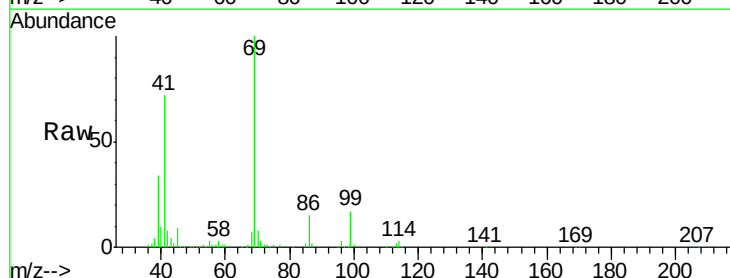
RT: 10.43 min Scan# 2692

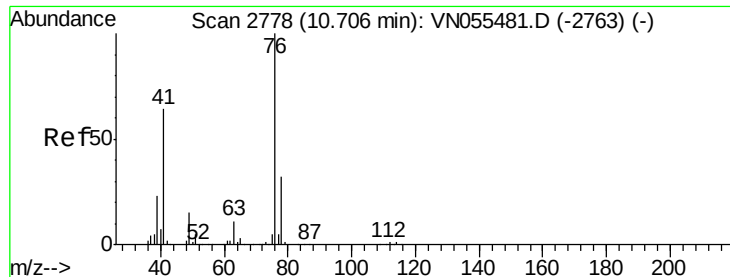
Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Tgt Ion:	69	Resp:	254556
Ion	Ratio	Lower	Upper
69	100		
41	69.9	56.2	84.2
39	33.0	27.8	41.6





#57

1,3-Dichloropropane

Concen: 20.237 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBSD01

Tot Ion: 76 Resp: 320815

Ion Ratio Lower Upper

76 100

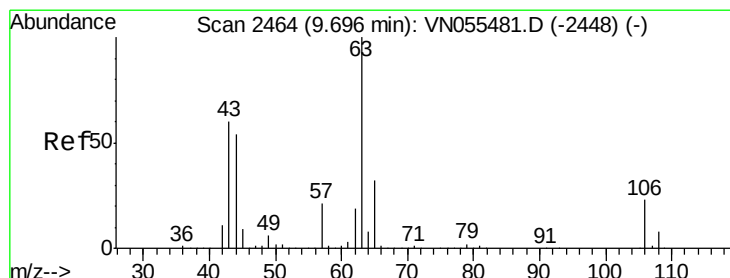
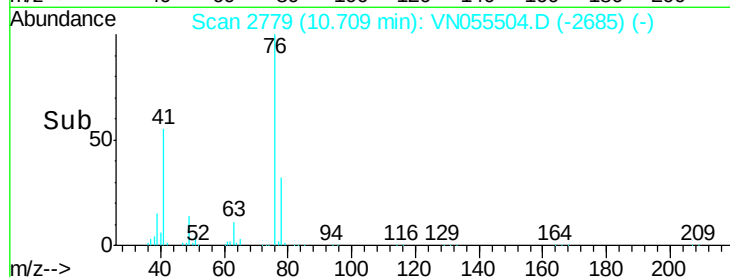
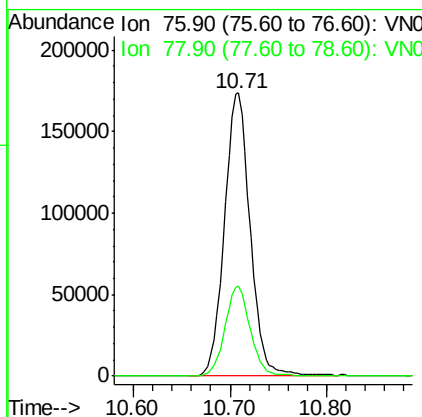
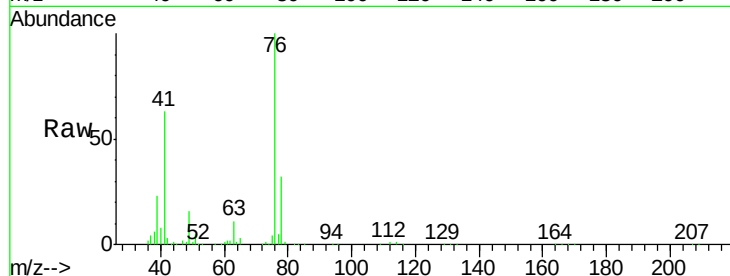
78 30.8 25.8 38.6

Manual Integrations

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MMDadoda

5/10/2019 12:43:53 PM



#58

2-Chloroethyl Vinyl ether

Concen: 85.306 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055504.D

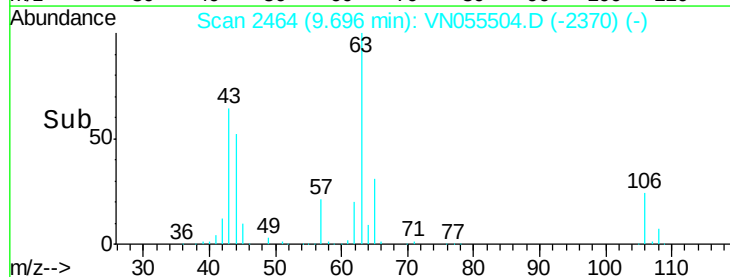
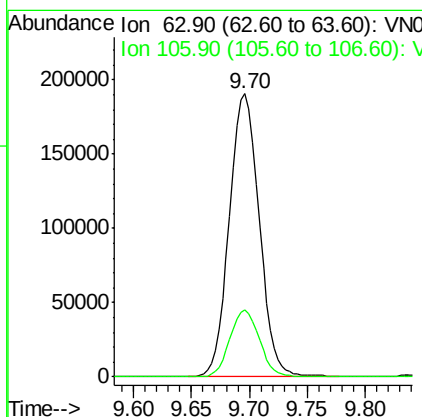
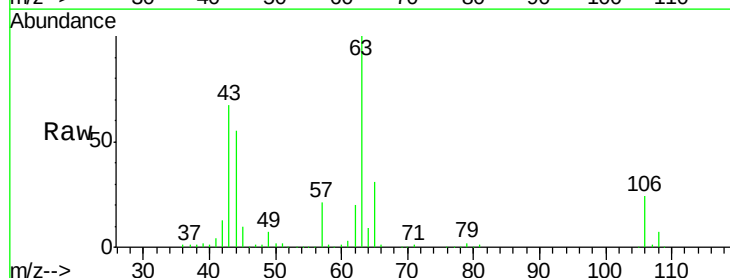
Acq: 9 May 2019 18:09

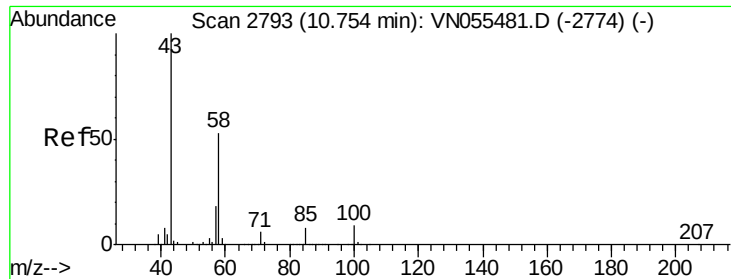
Tgt Ion: 63 Resp: 342627

Ion Ratio Lower Upper

63 100

106 23.4 18.6 27.8





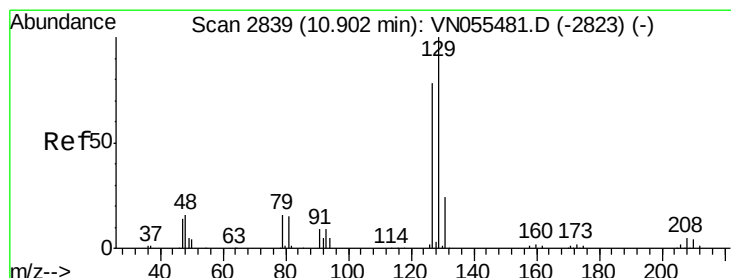
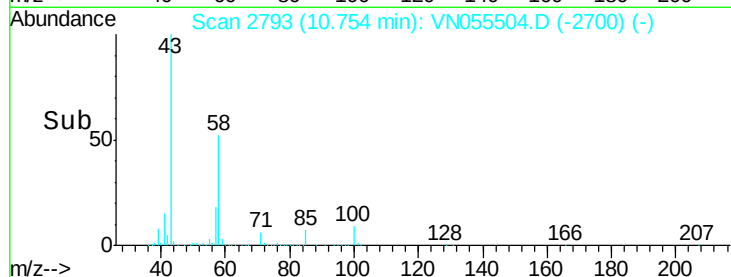
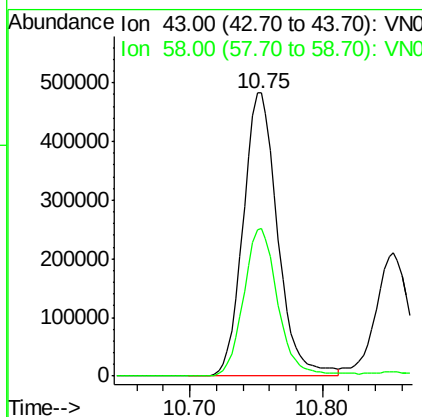
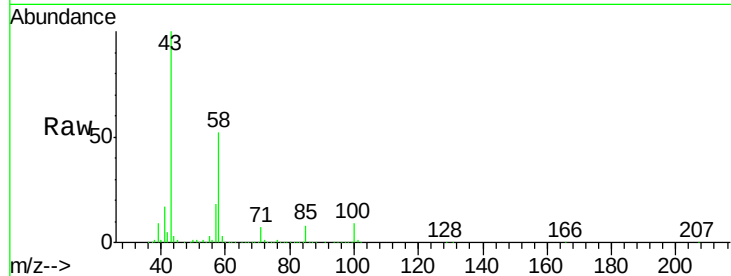
#59
2-Hexanone
Concen: 91.560 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD01

Tot Ion: 43 Resp: 869330
Ion Ratio Lower Upper
43 100
58 52.1 26.4 79.0

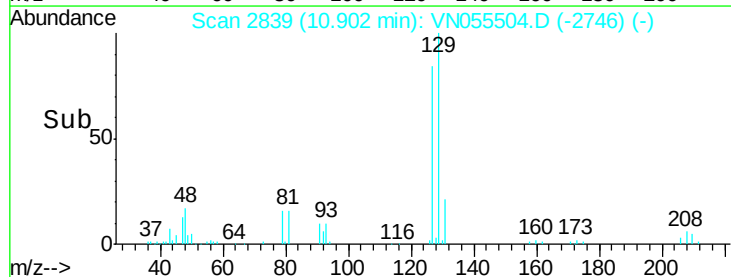
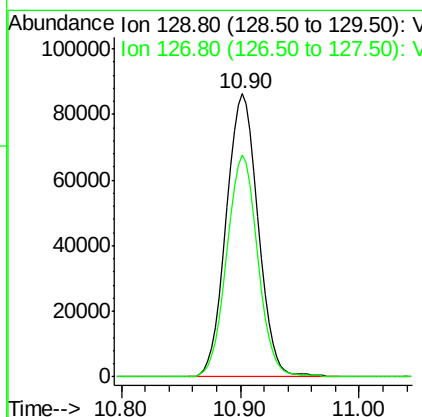
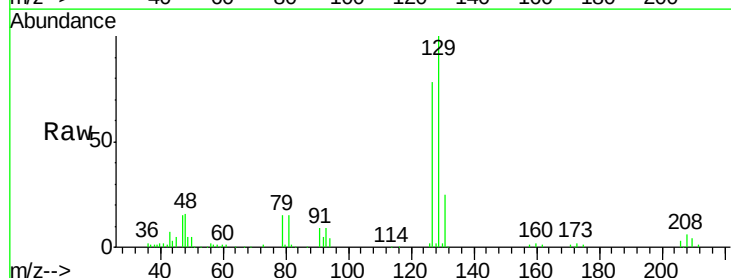
Manual Integrations
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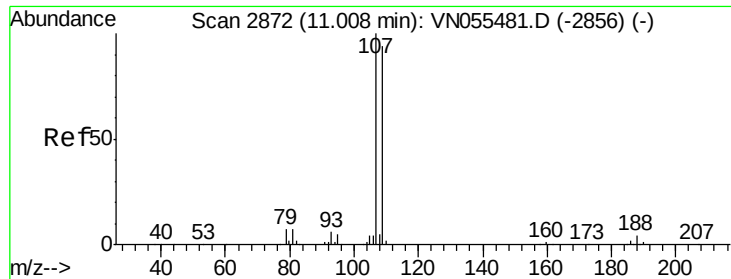
MMDadoda
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#60
Dibromochloromethane
Concen: 19.780 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion: 129 Resp: 160591
Ion Ratio Lower Upper
129 100
127 76.3 38.6 116.0





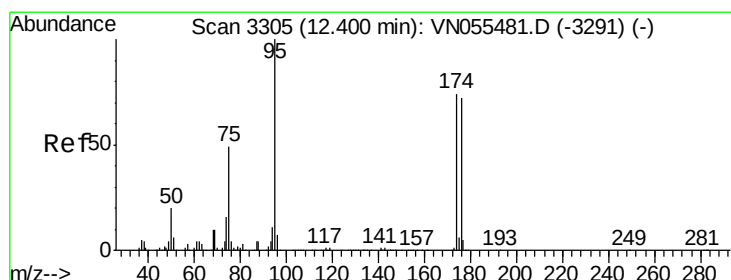
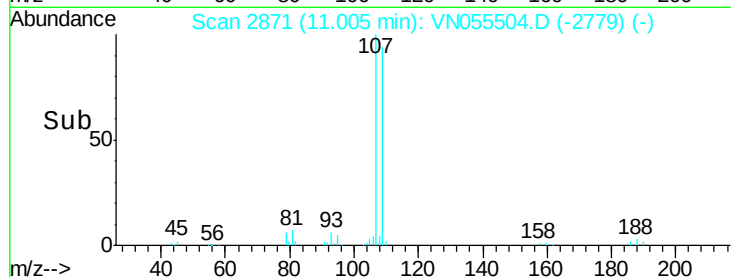
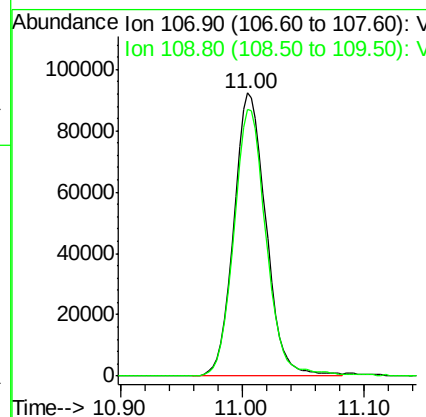
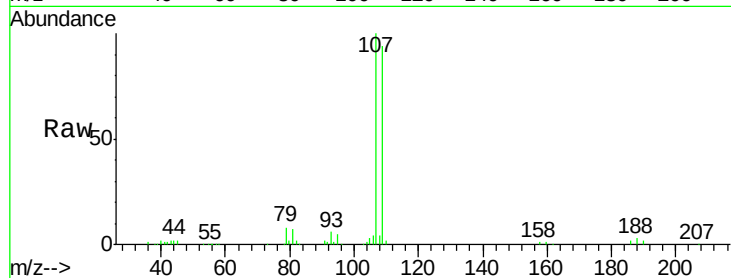
#61
 1,2-Dibromoethane
 Concen: 19.749 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Instrument :
 MSVOA_N
 ClientSampled :
 VN0509WBSD01

Tot Ion:107 Resp: 169439
 Ion Ratio Lower Upper
 107 100
 109 94.4 74.2 111.4

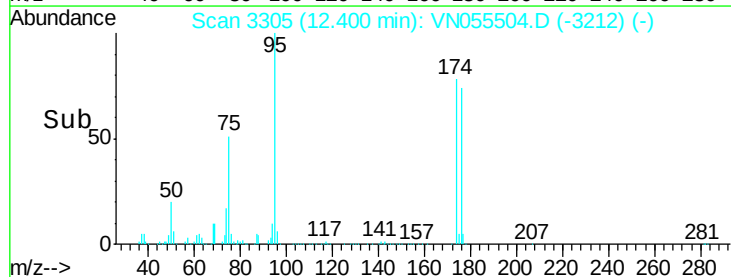
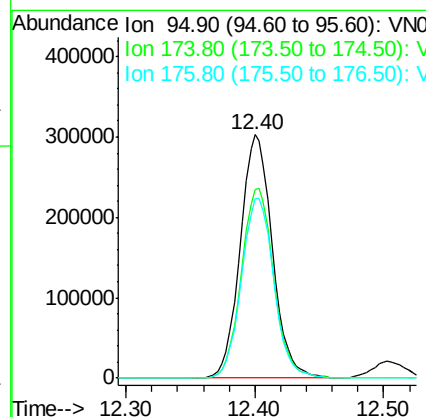
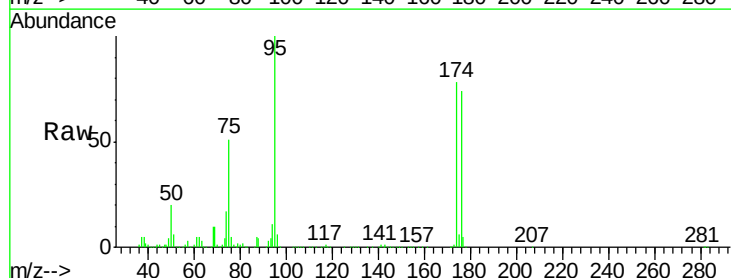
Manual Integrations
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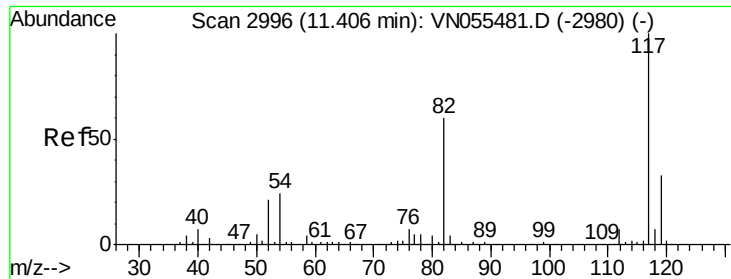
MMDadoda
 5/10/2019 12:43:53 PM



#62
 4-Bromofluorobenzene
 Concen: 48.924 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Tgt Ion: 95 Resp: 522859
 Ion Ratio Lower Upper
 95 100
 174 78.8 0.0 152.2
 176 75.1 0.0 147.8





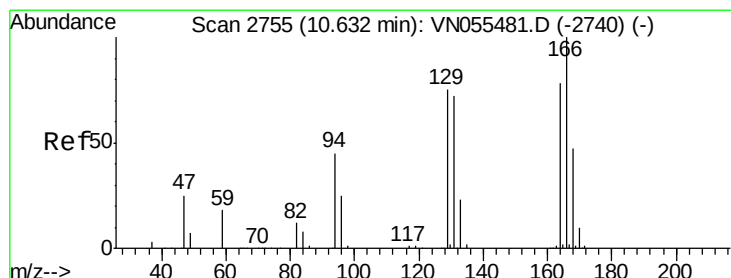
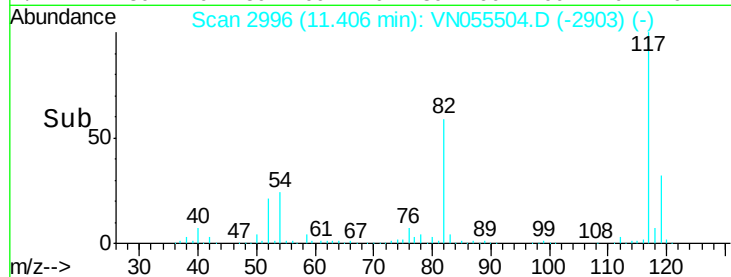
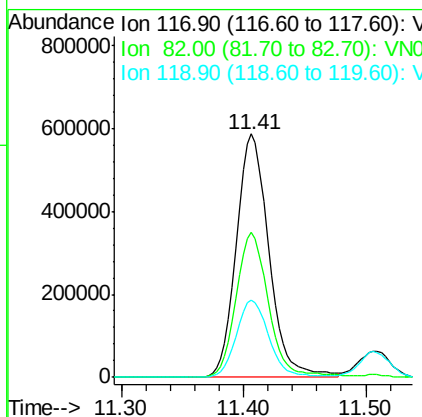
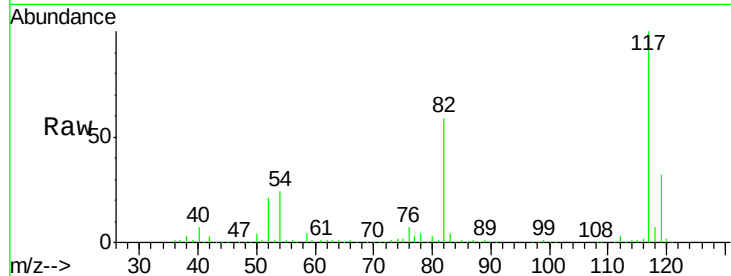
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD01

Tot Ion:117 Resp: 1086754
Ion Ratio Lower Upper
117 100
82 59.4 48.0 72.0
119 31.8 26.0 39.0

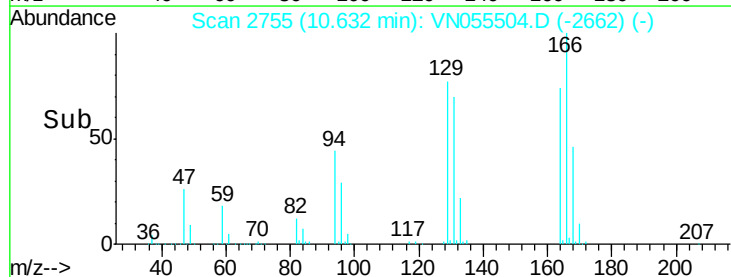
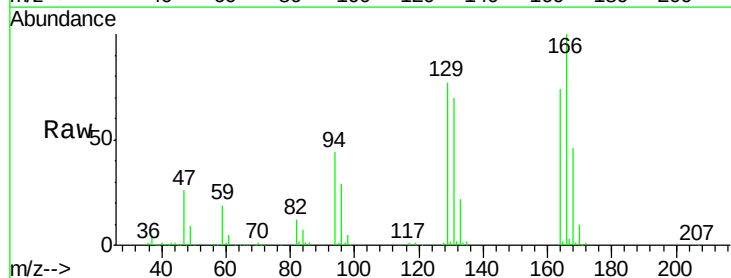
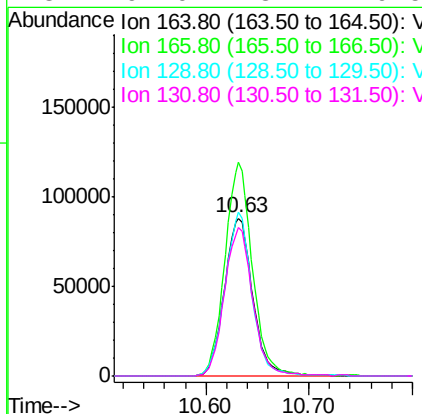
Manual Integrations
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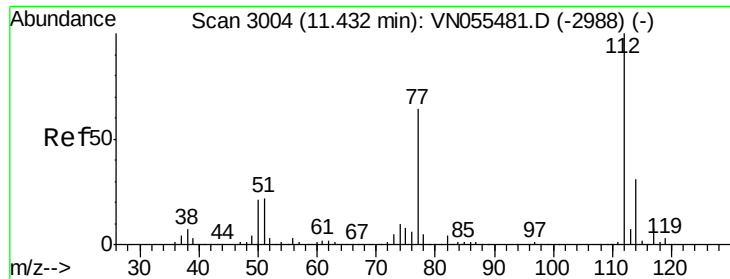
MMDadoda
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#64
Tetrachloroethene
Concen: 18.953 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion:164 Resp: 168778
Ion Ratio Lower Upper
164 100
166 135.2 102.6 153.8
129 103.4 77.0 115.6
131 94.0 73.7 110.5





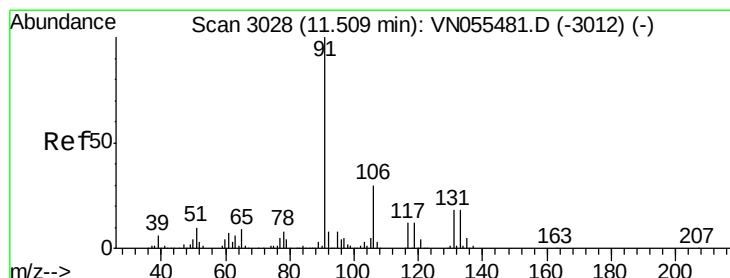
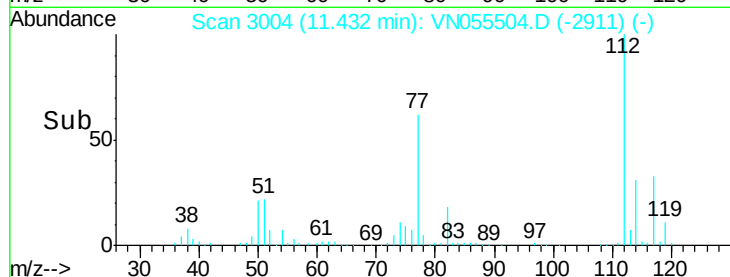
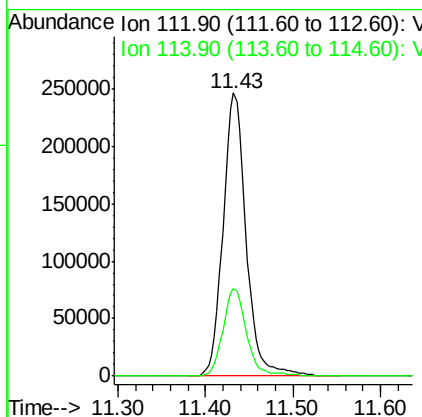
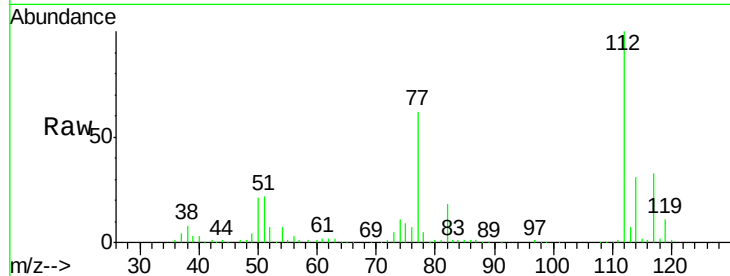
#65
Chlorobenzene
Concen: 20.175 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD01

Tot Ion:112 Resp: 451084
Ion Ratio Lower Upper
112 100
114 31.0 25.0 37.4

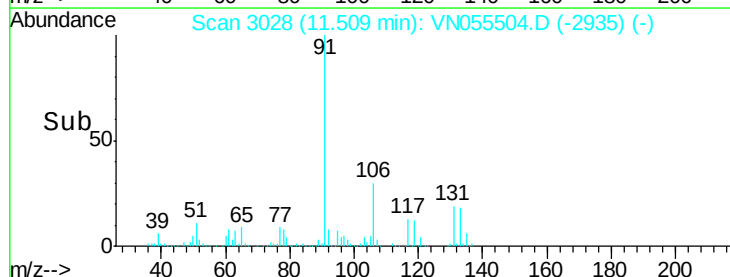
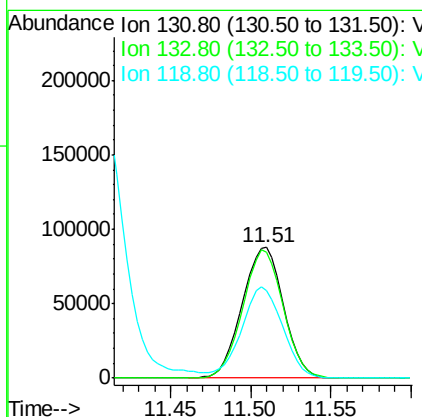
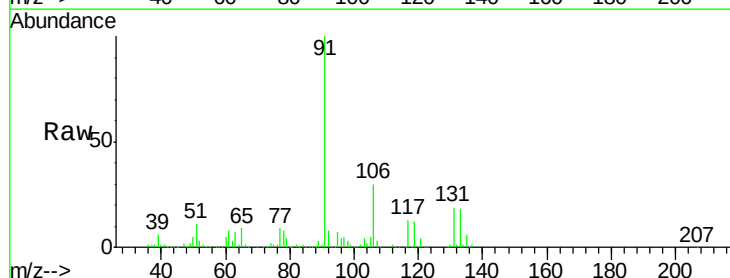
Manual Integrations
APPROVED

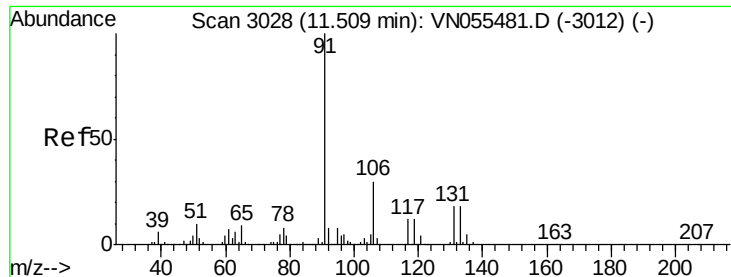
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.166 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion:131 Resp: 155226
Ion Ratio Lower Upper
131 100
133 95.5 47.4 142.2
119 69.7 34.1 102.2





#67

Ethyl Benzene

Concen: 19.653 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

VN0509WBSD01

Tot Ion: 91 Resp: 825269

Ion Ratio Lower Upper

91 100

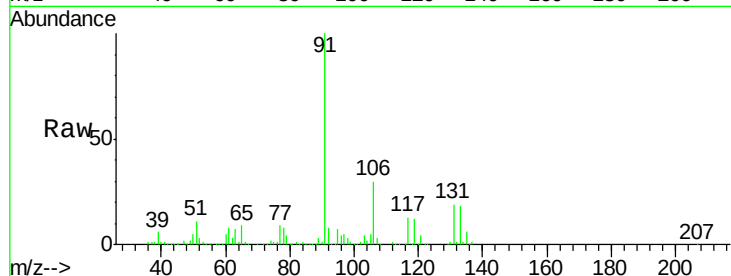
106 29.8 23.8 35.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN055481.D (-3012) (-)

600000

400000

200000

0

11.50 11.51 11.52 11.53 11.54 11.55 11.56 11.57 11.58 11.59 11.60 11.61 11.62 11.63 11.64 11.65 11.66 11.67 11.68 11.69 11.70 11.71 11.72 11.73 11.74 11.75 11.76 11.77 11.78 11.79 11.80 11.81 11.82 11.83 11.84 11.85 11.86 11.87 11.88 11.89 11.90 11.91 11.92 11.93 11.94 11.95 11.96 11.97 11.98 11.99 12.00

11.51

11.52

11.53

11.54

11.55

11.56

11.57

11.58

11.59

11.60

11.61

11.62

11.63

11.64

11.65

11.66

11.67

11.68

11.69

11.70

11.71

11.72

11.73

11.74

11.75

11.76

11.77

11.78

11.79

11.80

11.81

11.82

11.83

11.84

11.85

11.86

11.87

11.88

11.89

11.90

11.91

11.92

11.93

11.94

11.95

11.96

11.97

11.98

11.99

12.00

12.01

12.02

12.03

12.04

12.05

12.06

12.07

12.08

12.09

12.10

12.11

12.12

12.13

12.14

12.15

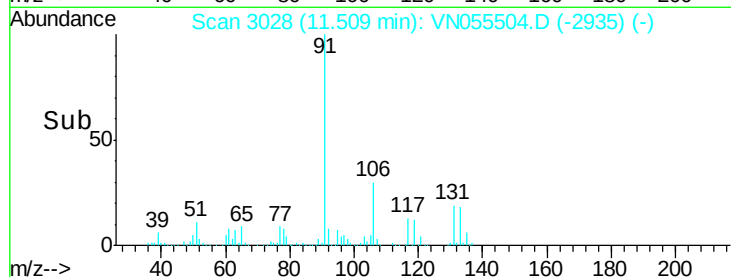
12.16

12.17

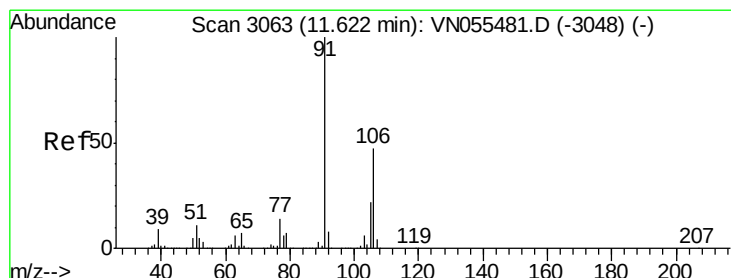
12.18

12.19

12.20



Time-->



#68

m/p-Xylenes

Concen: 40.024 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN055504.D

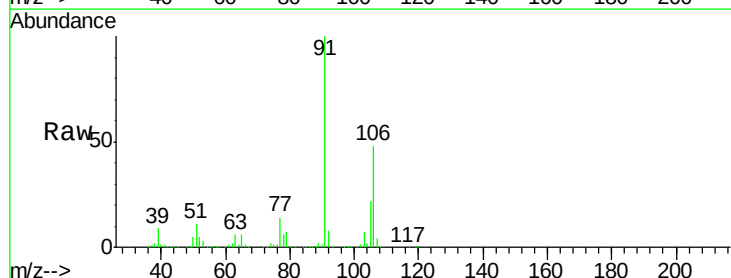
Acq: 9 May 2019 18:09

Tgt Ion: 106 Resp: 603151

Ion Ratio Lower Upper

106 100

91 209.5 169.2 253.8



Abundance Ion 106.00 (105.70 to 106.70): VN055481.D (-3048) (-)

Ion 91.00 (90.70 to 91.70): VN055481.D (-3048) (-)

600000

400000

200000

0

11.60 11.61 11.62 11.63 11.64 11.65 11.66 11.67 11.68 11.69 11.70 11.71 11.72 11.73 11.74 11.75 11.76 11.77 11.78 11.79 11.80 11.81 11.82 11.83 11.84 11.85 11.86 11.87 11.88 11.89 11.90 11.91 11.92 11.93 11.94 11.95 11.96 11.97 11.98 11.99 12.00

11.62

11.63

11.64

11.65

11.66

11.67

11.68

11.69

11.70

11.71

11.72

11.73

11.74

11.75

11.76

11.77

11.78

11.79

11.80

11.81

11.82

11.83

11.84

11.85

11.86

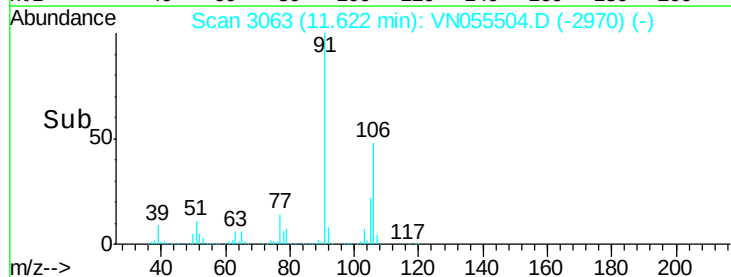
11.87

11.88

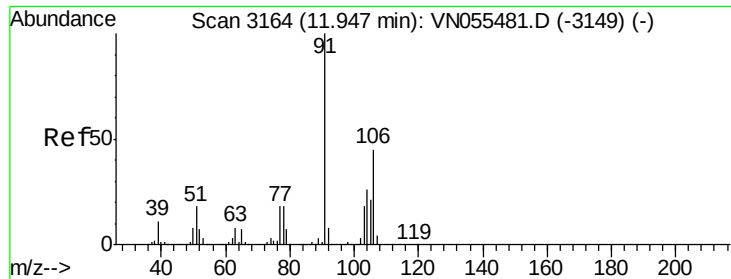
11.89

11.90

11.91



Time-->



#69

o-Xylene

Concen: 20.615 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBSD01

Tot Ion:106 Resp: 305342

Ion Ratio Lower Upper

106 100

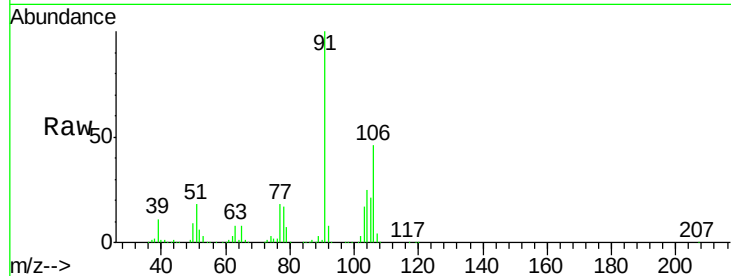
91 215.6 111.3 333.8

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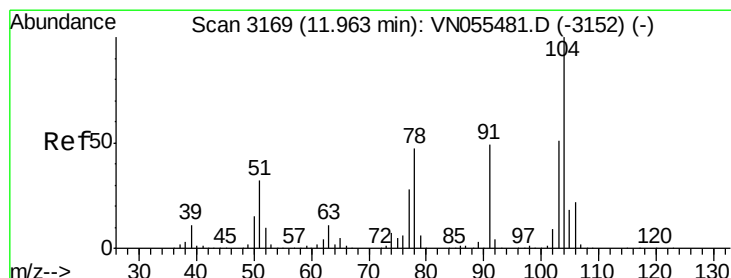
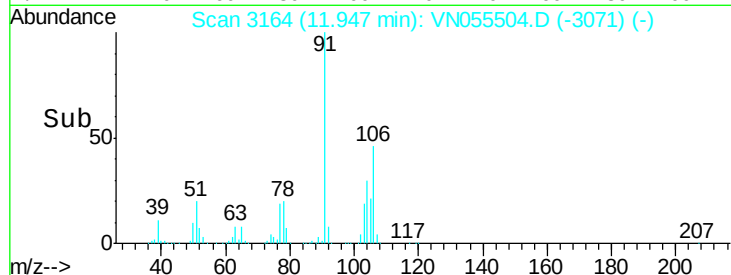
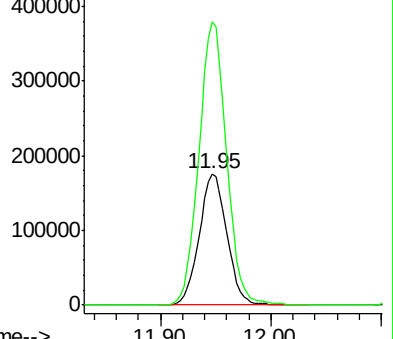
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 20.272 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

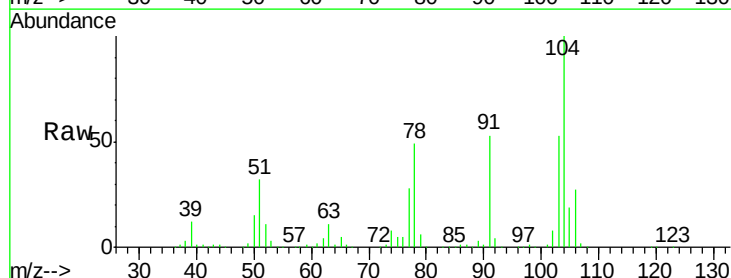
Tgt Ion:104 Resp: 481055

Ion Ratio Lower Upper

104 100

78 52.9 41.6 62.4

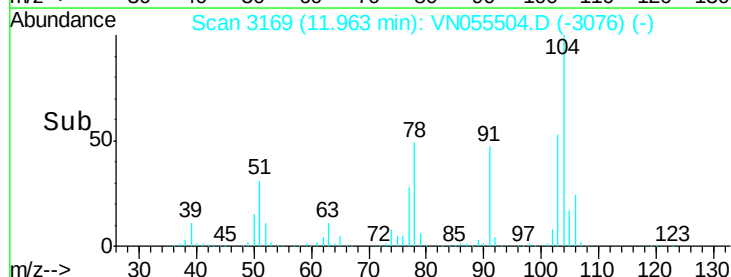
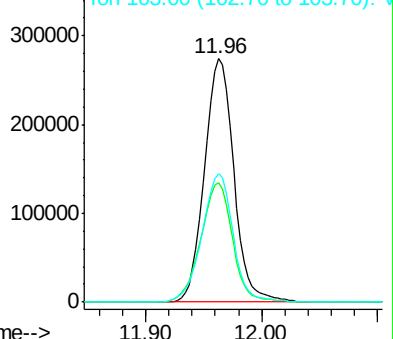
103 55.7 44.4 66.6

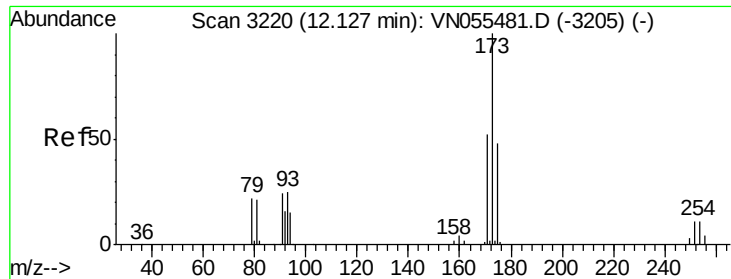


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





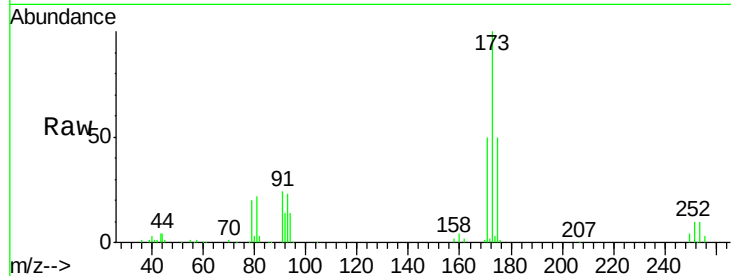
#71
Bromoform
Concen: 19.786 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD01

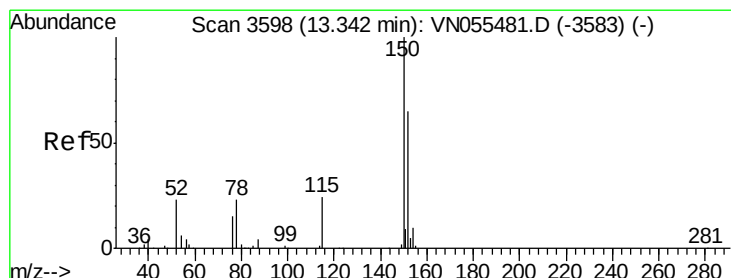
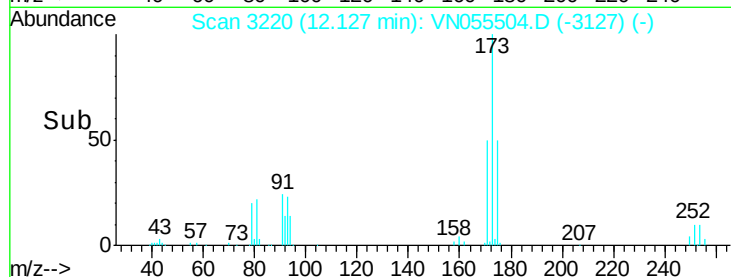
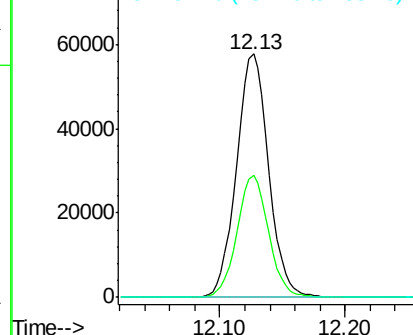
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.1	72.4
254	0.0	0.1	0.1#

Manual Integrations
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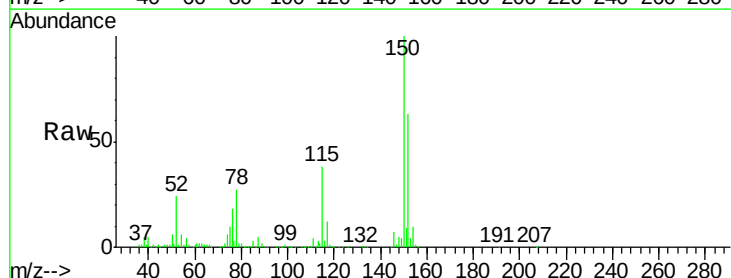


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

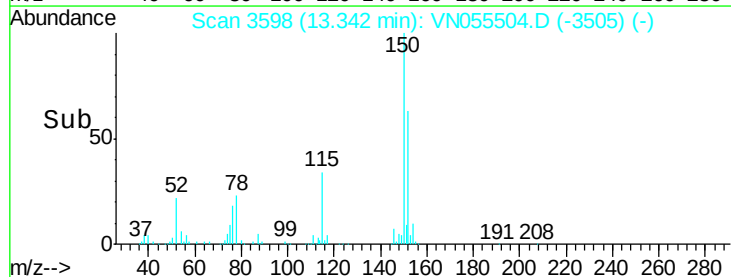
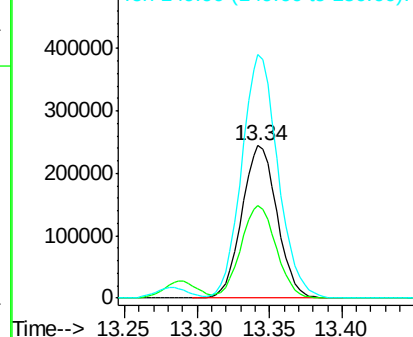


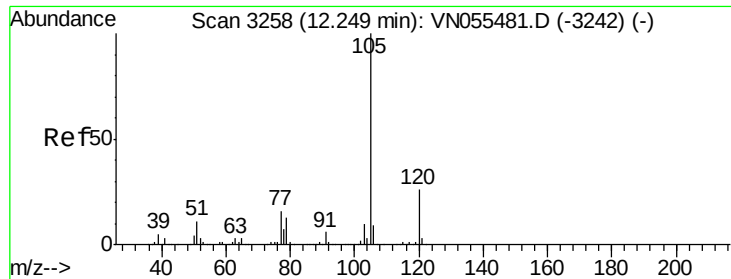
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.1	90.5
150	164.7	0.0	355.0



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





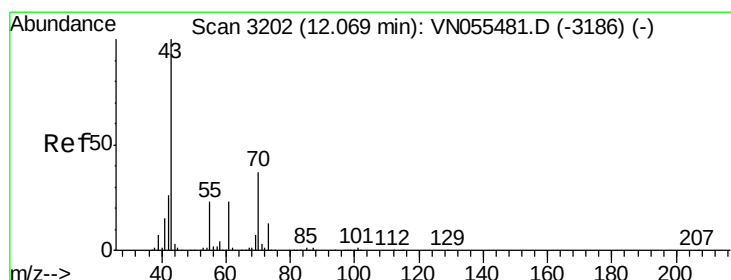
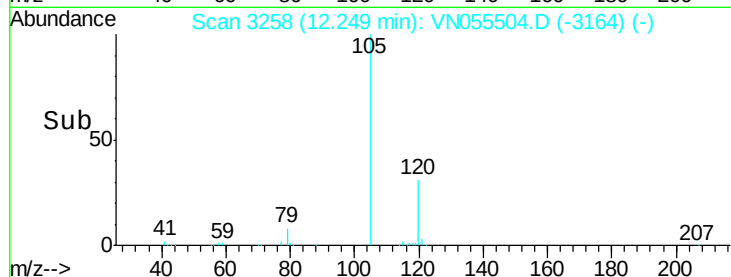
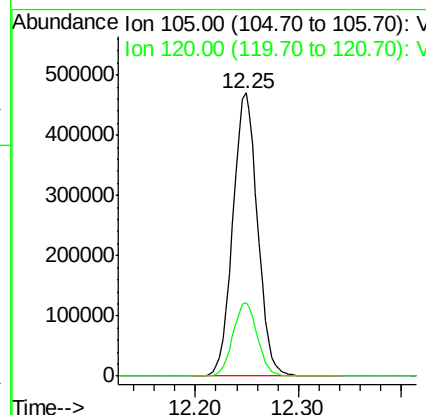
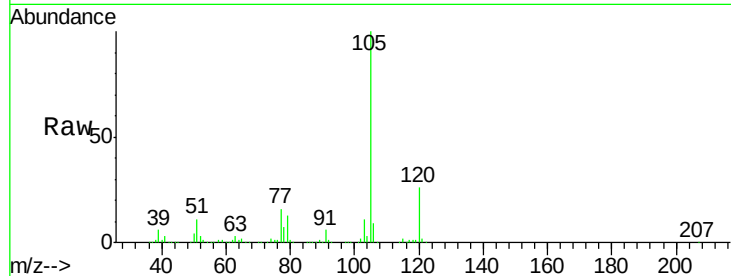
#73
Isopropylbenzene
Concen: 21.709 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampled :
VN0509WBSD01

Tot Ion:105 Resp: 784619
Ion Ratio Lower Upper
105 100
120 25.7 13.0 39.0

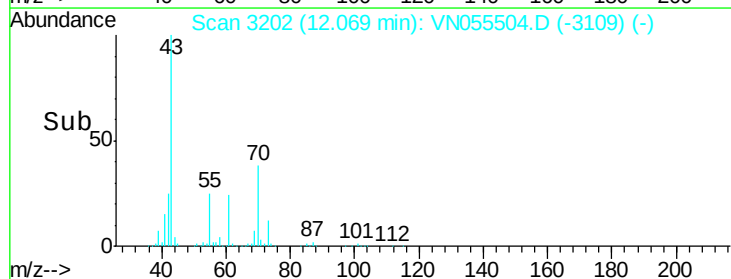
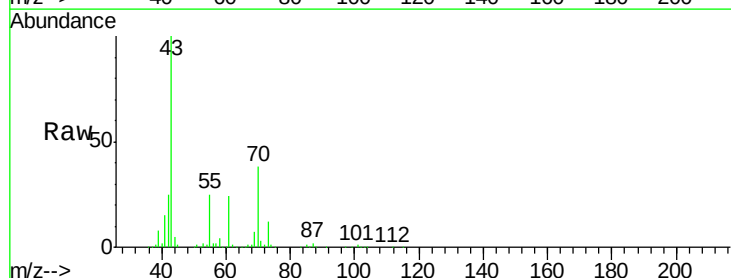
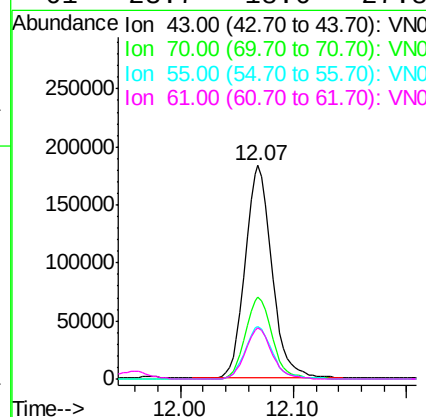
Manual Integrations
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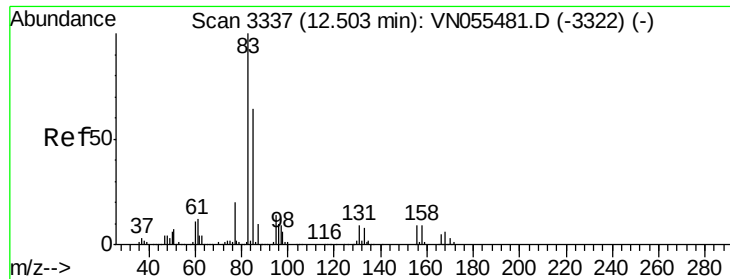
MMDadoda
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#74
N-ethyl acetate
Concen: 19.395 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion: 43 Resp: 302985
Ion Ratio Lower Upper
43 100
70 38.6 30.7 46.1
55 24.6 19.3 28.9
61 23.7 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.910 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

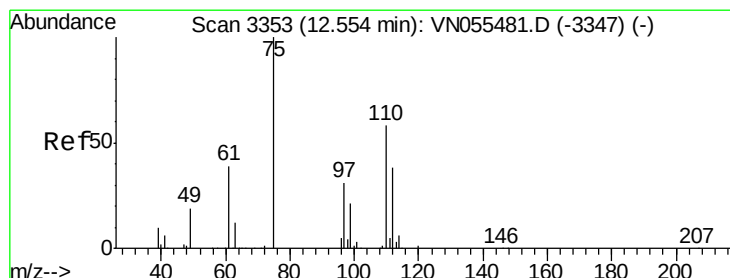
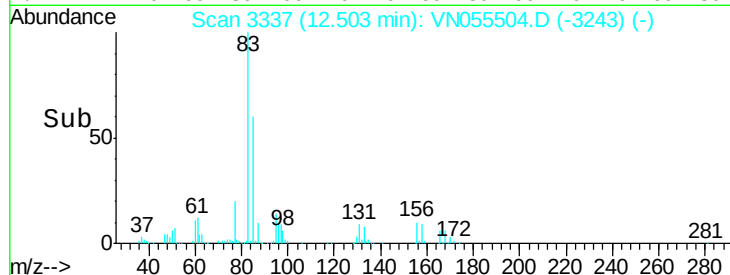
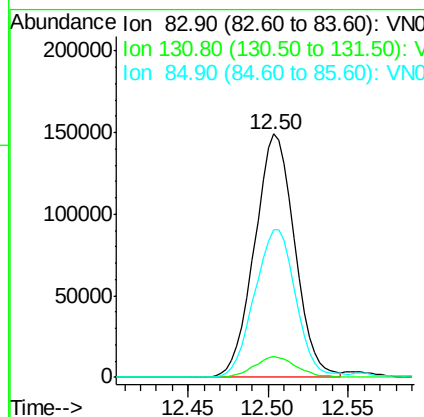
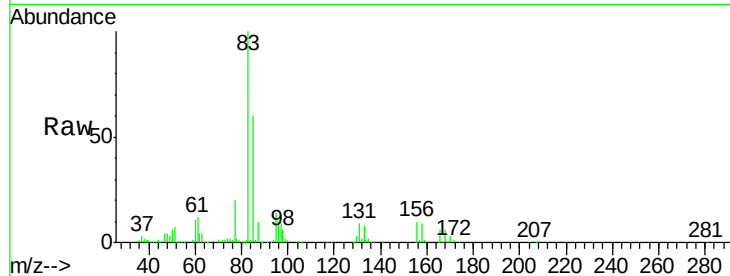
ClientSampleId :

VN0509WBSD01

Tot Ion:	83	Resp:	256854
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.5	13.5
85	62.8	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.173 ug/l m

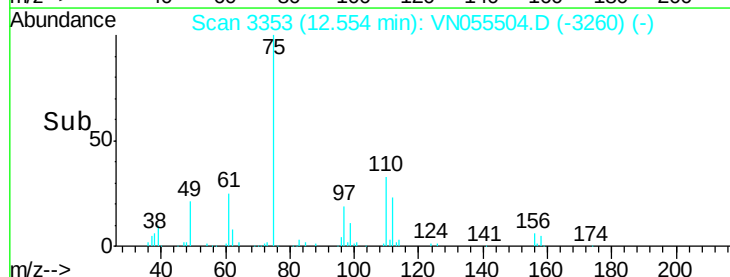
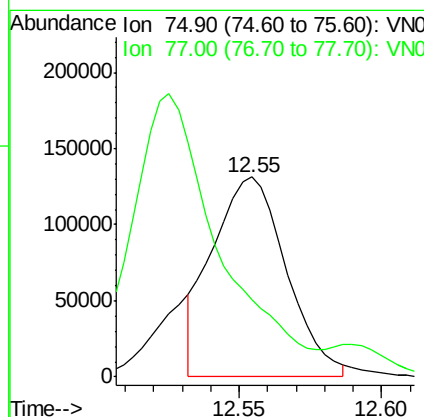
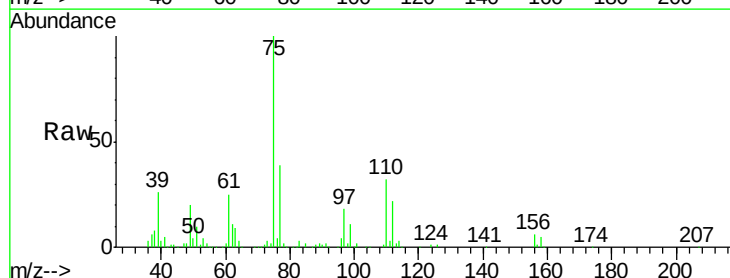
RT: 12.55 min Scan# 3353

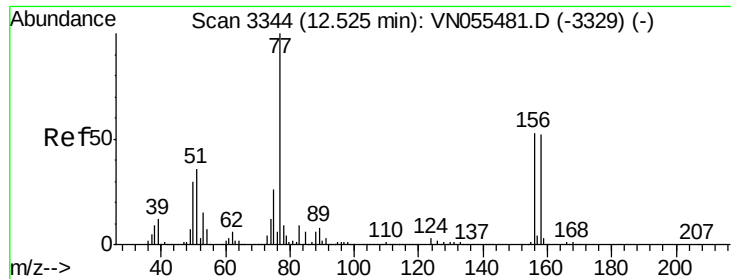
Delta R.T. 0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Tgt Ion:	75	Resp:	237173
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.912 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

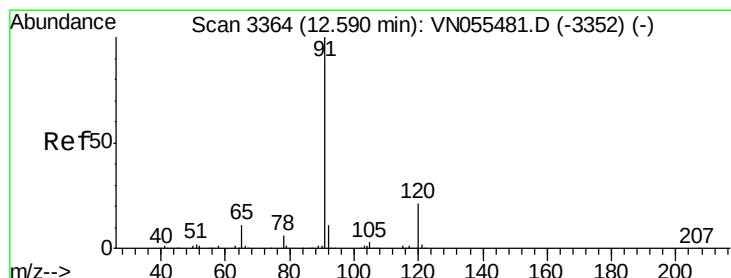
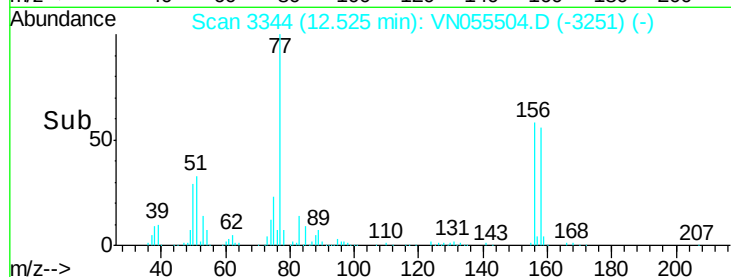
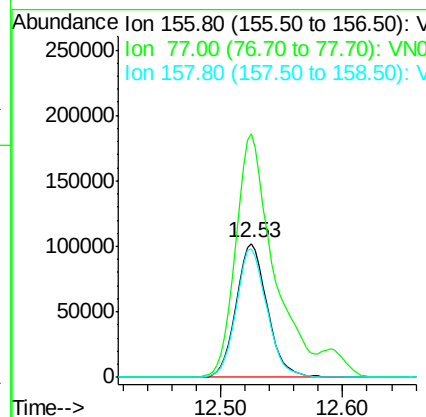
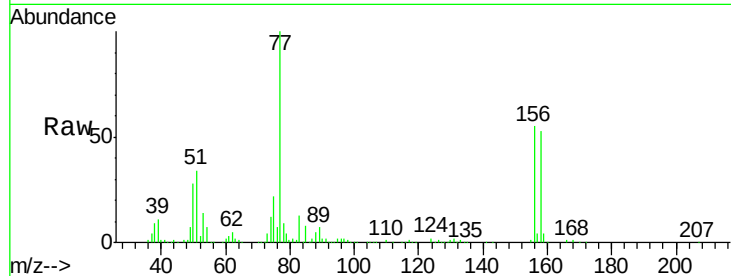
ClientSampleId :

VN0509WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	220.1	115.4	346.2
158	95.4	48.7	146.1

Manual Integrations
APPROVED

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5/10/2019 12:43:53 PM



#78

n-propylbenzene

Concen: 19.764 ug/l

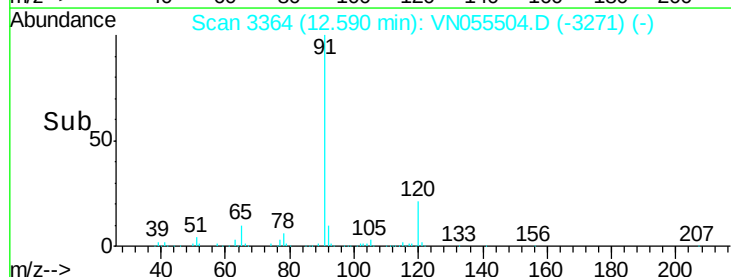
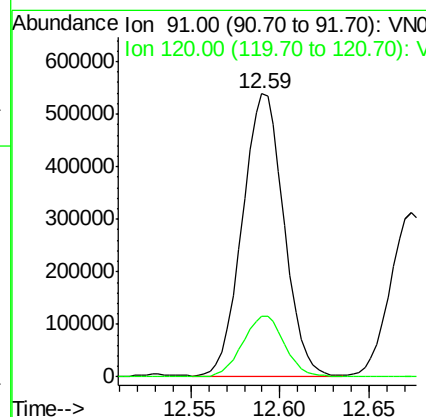
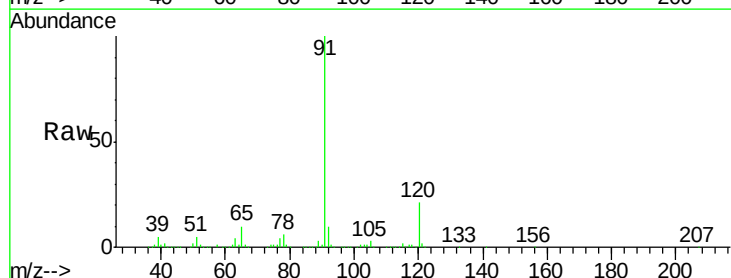
RT: 12.59 min Scan# 3364

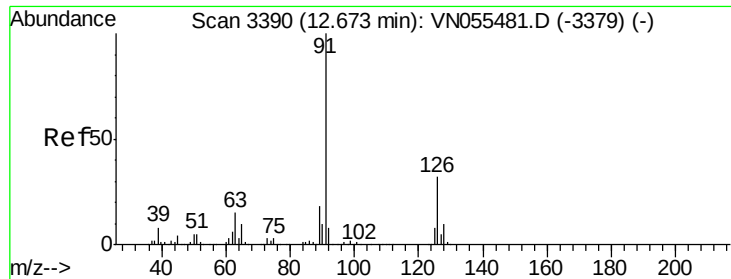
Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.3





#79

2-Chlorotoluene

Concen: 19.462 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

VN0509WBSD01

Tot Ion: 91 Resp: 535284

Ion Ratio Lower Upper

91 100

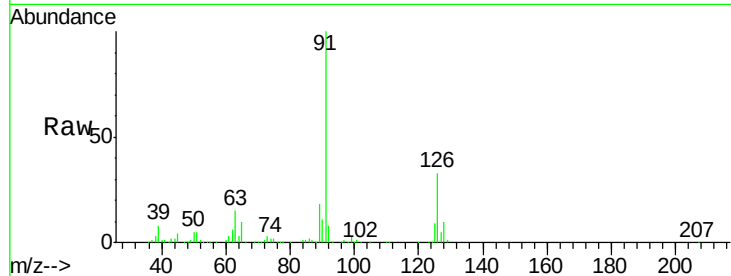
126 33.1 16.0 47.9

Manual Integrations

APPROVED

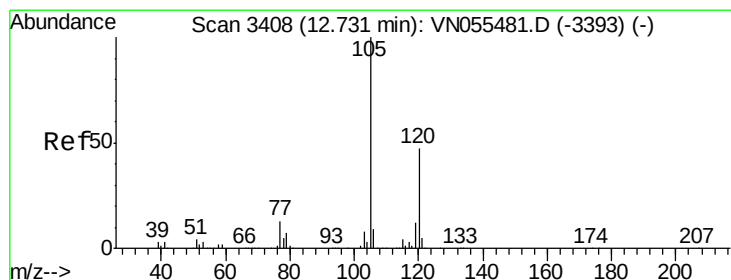
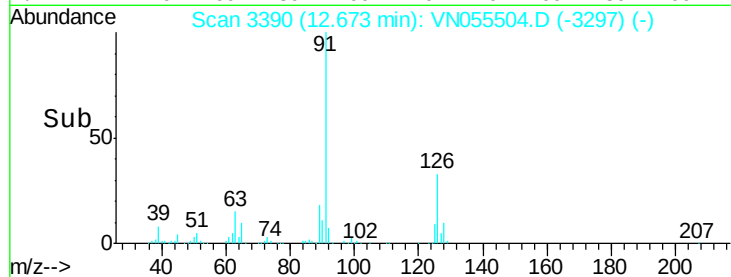
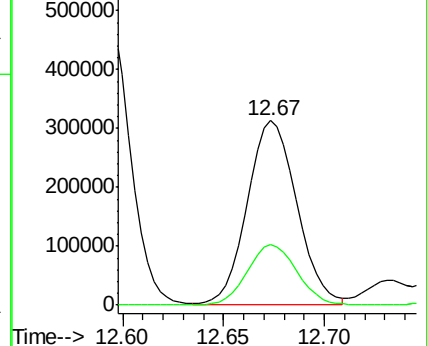
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Abundance Ion 91.00 (90.70 to 91.70): VN055504.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN055504.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.682 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055504.D

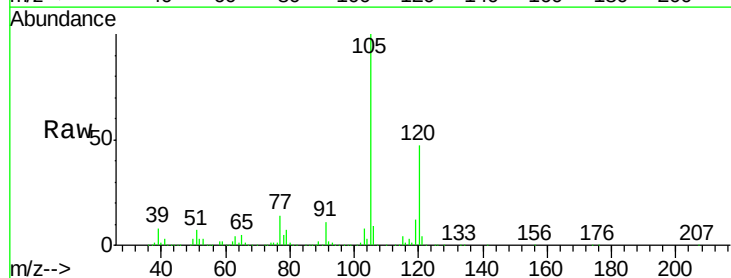
Acq: 9 May 2019 18:09

Tgt Ion: 105 Resp: 647676

Ion Ratio Lower Upper

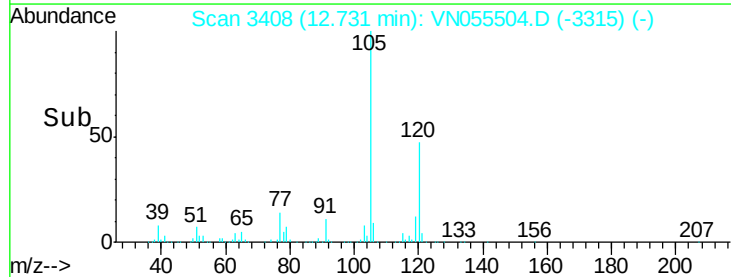
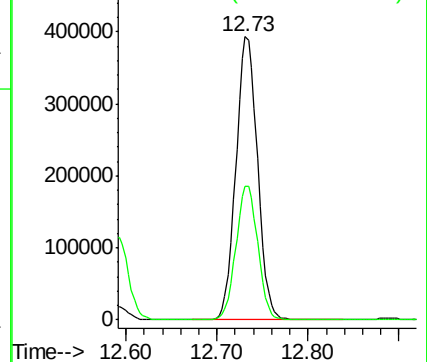
105 100

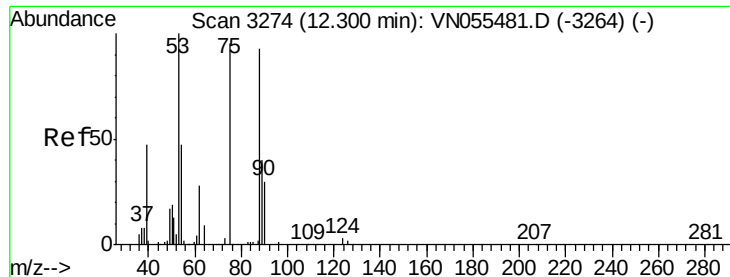
120 47.8 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055504.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN055504.D (-3315) (-)





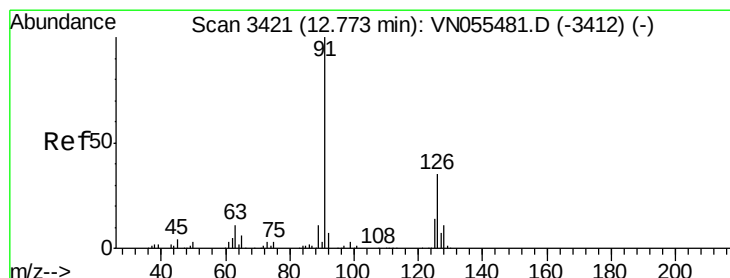
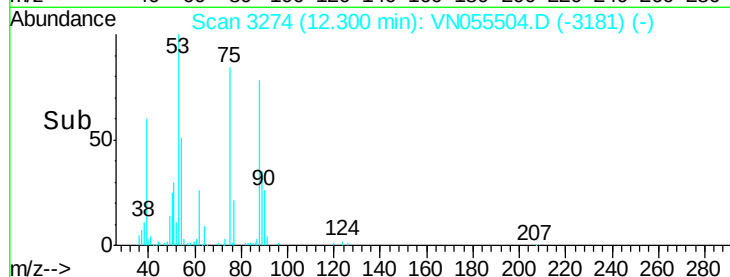
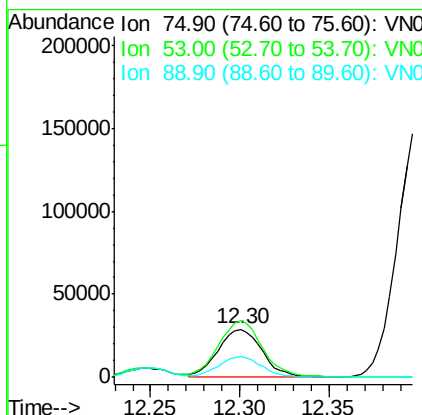
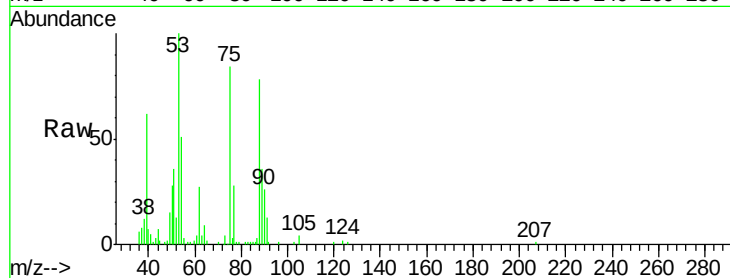
#81
trans-1,4-Dichloro-2-butene
Concen: 16.017 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.6	86.5	129.7
89	44.1	35.7	53.5

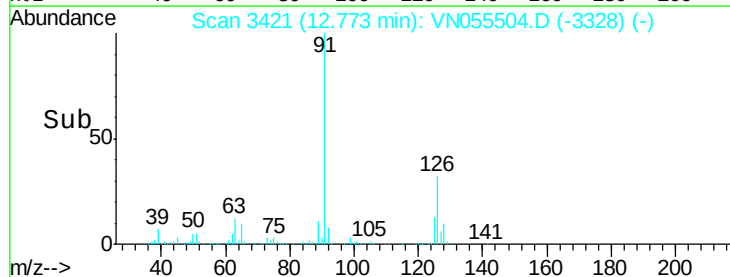
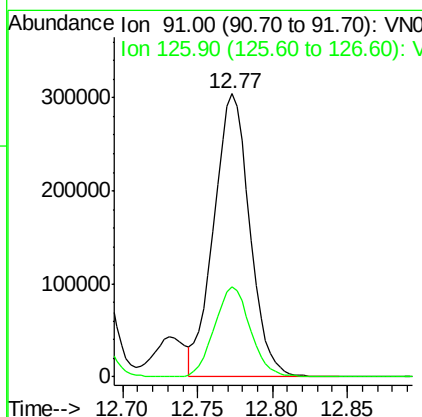
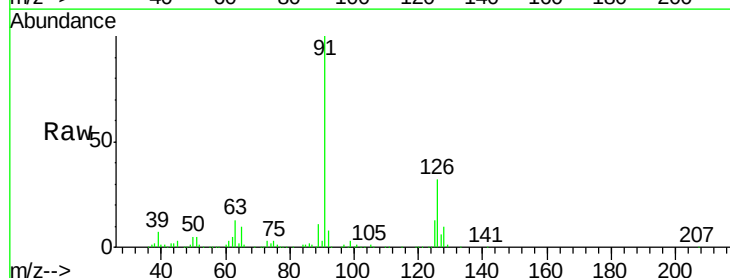
Manual Integrations
APPROVED

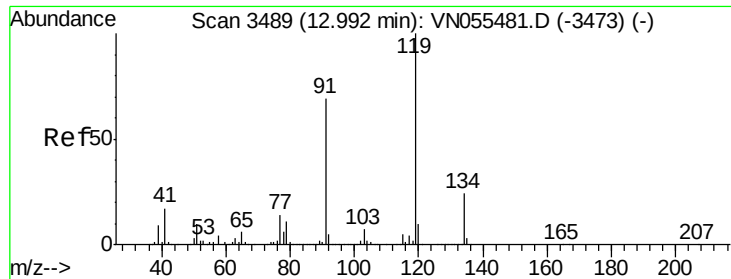
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.536 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.0





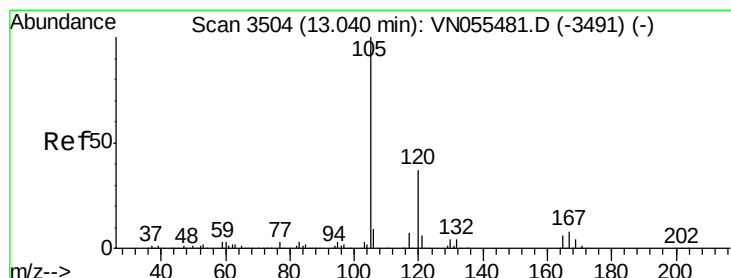
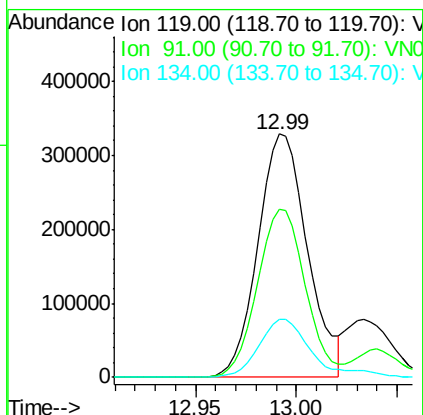
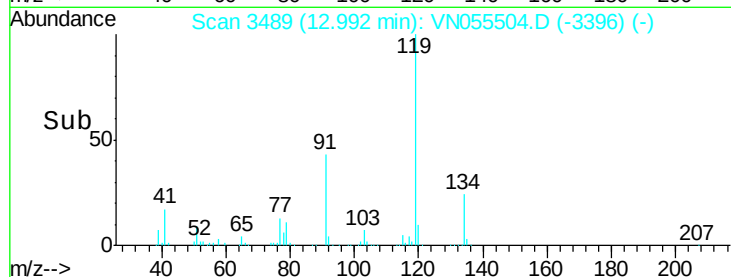
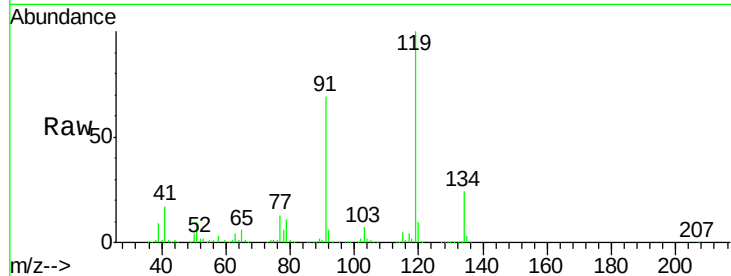
#83
 tert-Butylbenzene
 Concen: 19.984 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Instrument :
 MSVOA_N
 ClientSampled :
 VN0509WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	33.8	101.3
134	25.5	12.5	37.5

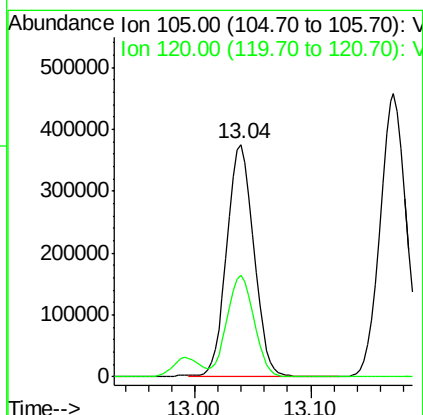
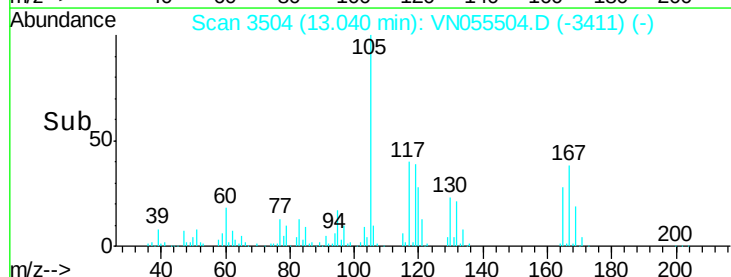
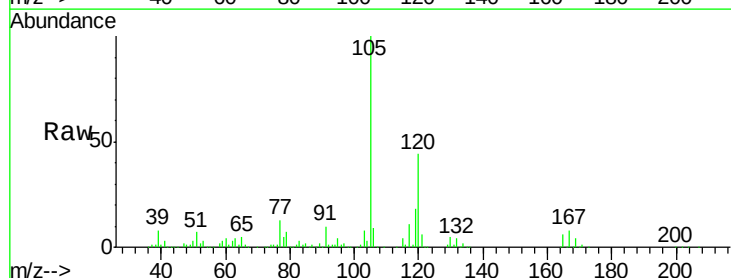
Manual Integrations
 APPROVED

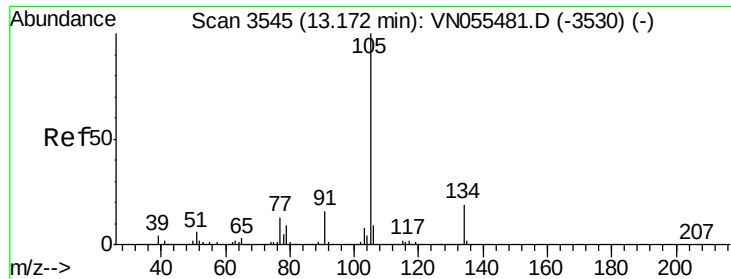
MMDadoda
 5/10/2019 12:43:53 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.022 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.428 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

VN0509WBSD01

Tot Ion:105 Resp: 728281

Ion Ratio Lower Upper

105 100

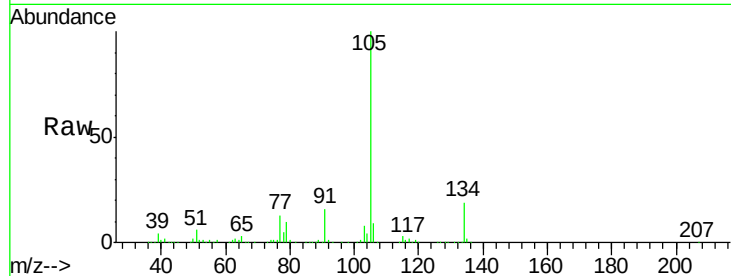
134 19.1 9.3 28.0

Manual Integrations

APPROVED

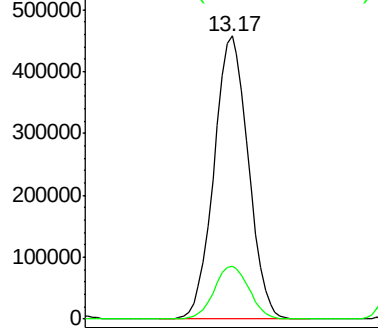
MMDadoda

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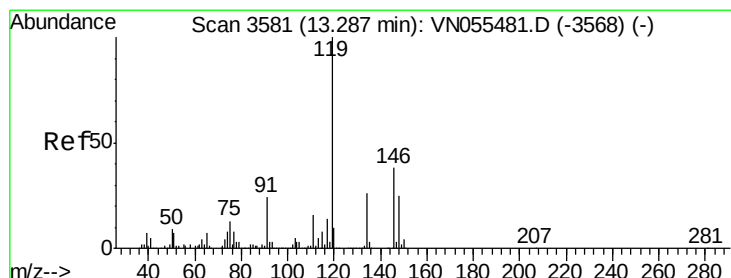
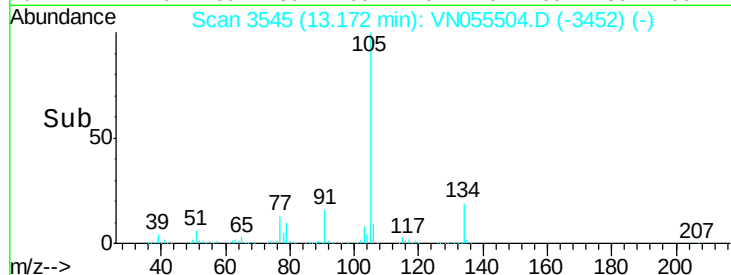


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 19.665 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

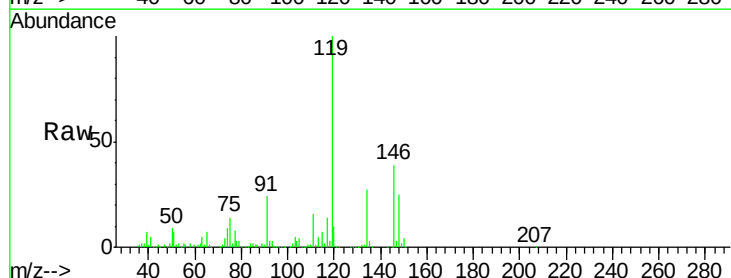
Tgt Ion:119 Resp: 599945

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

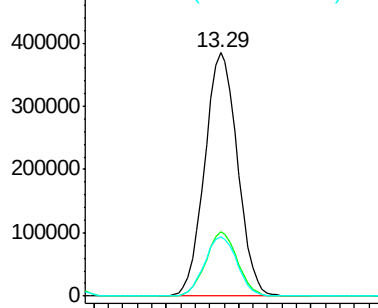
91 24.4 12.0 36.0



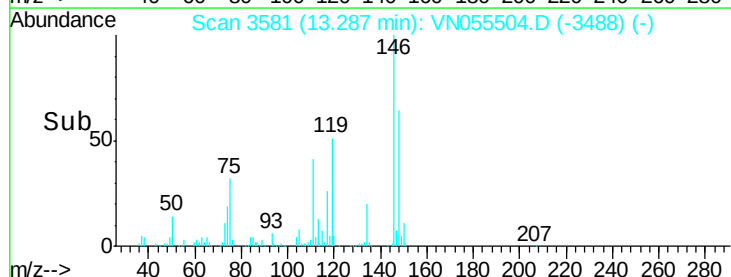
Abundance Ion 119.00 (118.70 to 119.70): V

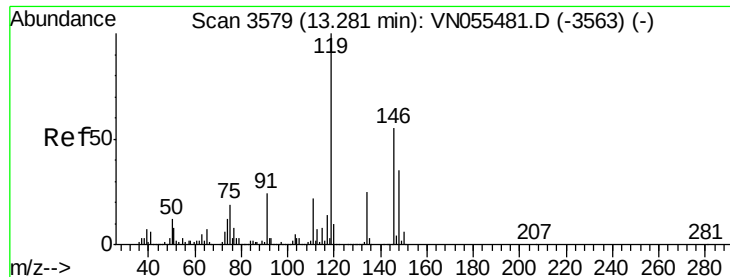
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 20.321 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Instrument :

MSVOA_N

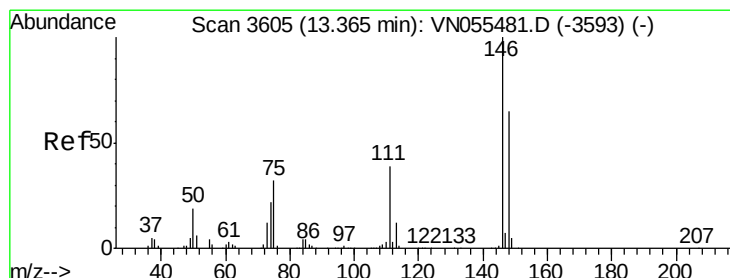
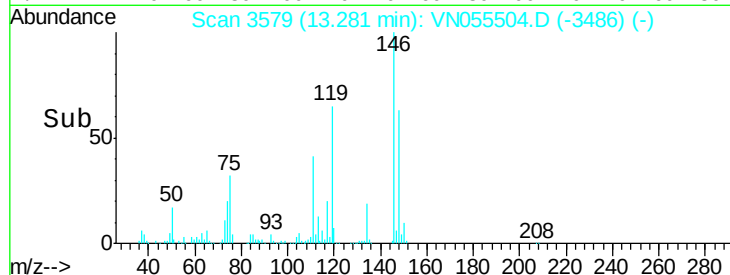
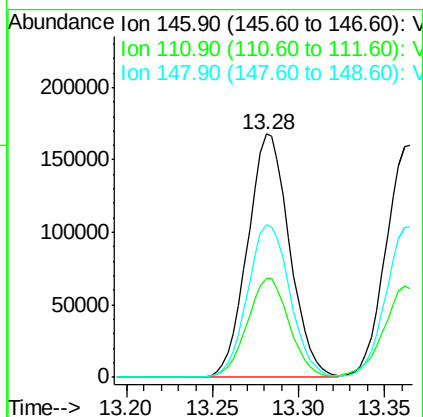
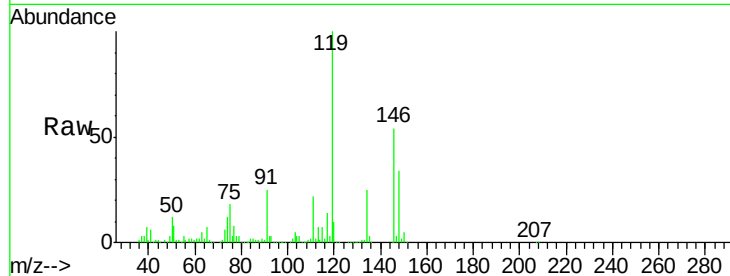
ClientSampleId :

VN0509WBSD01

Tot Ion:	146	Resp:	284734
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.4	61.3
148	63.4	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.712 ug/l

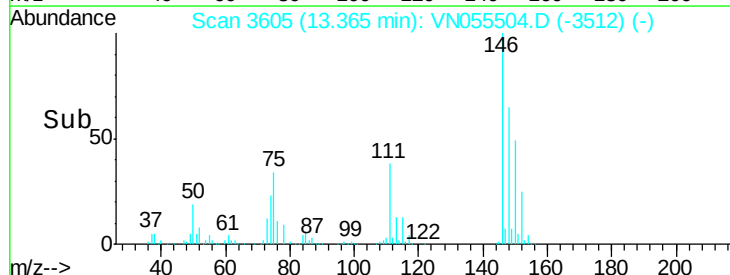
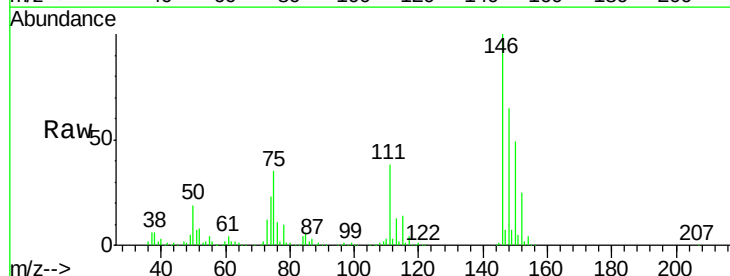
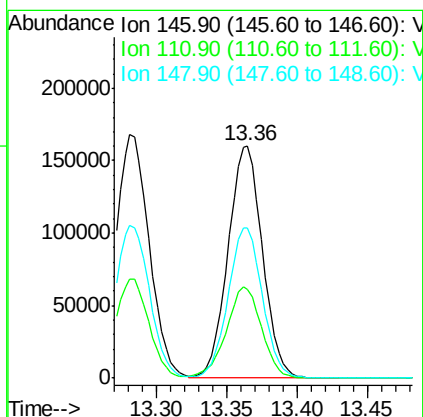
RT: 13.36 min Scan# 3605

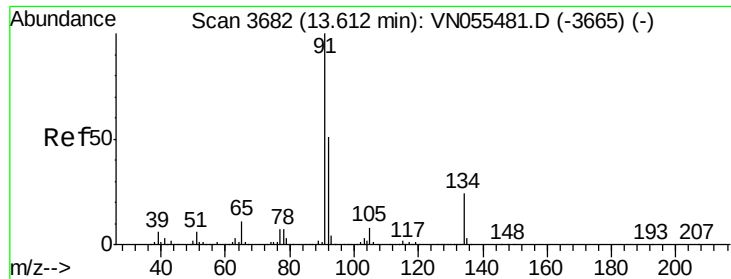
Delta R.T. -0.00 min

Lab File: VN055504.D

Acq: 9 May 2019 18:09

Tgt Ion:	146	Resp:	272587
Ion Ratio	Lower	Upper	
146	100		
111	40.5	19.6	58.8
148	64.9	32.5	97.4





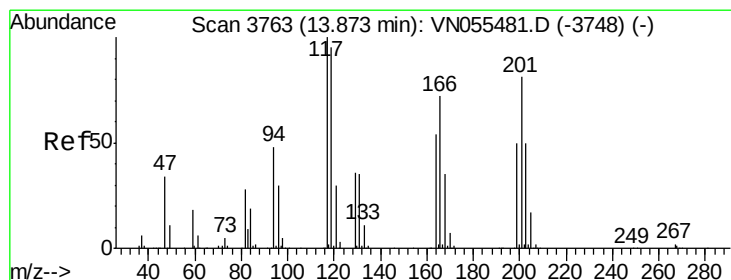
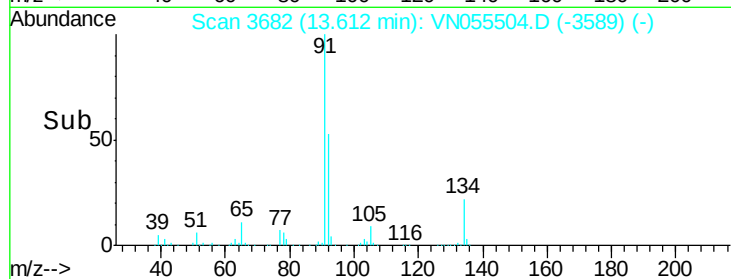
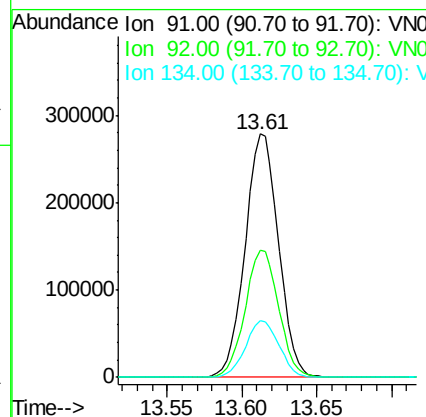
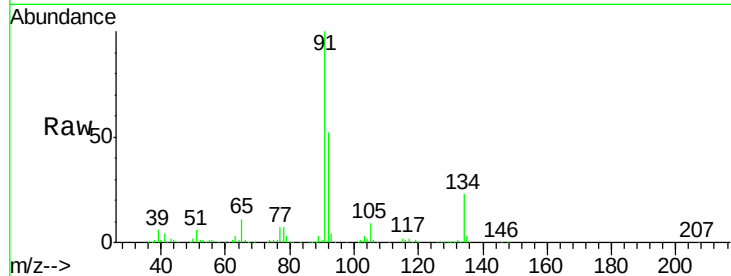
#89
n-Butylbenzene
Concen: 18.328 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampled :
VN0509WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	25.9	77.7
134	23.4	11.8	35.4

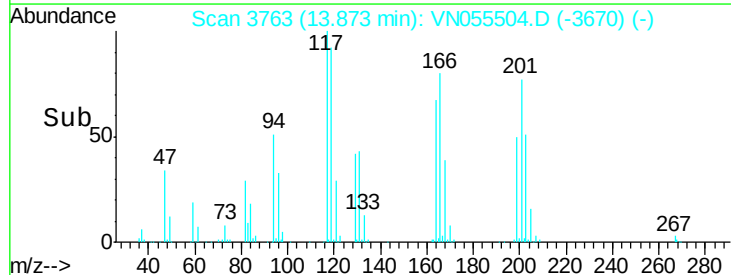
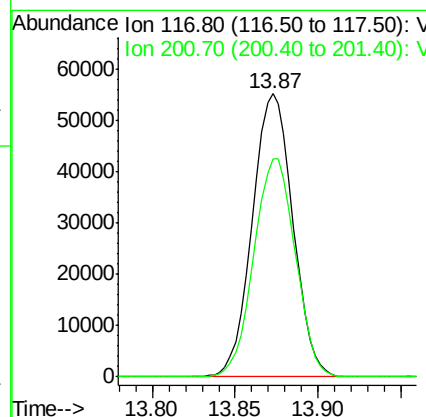
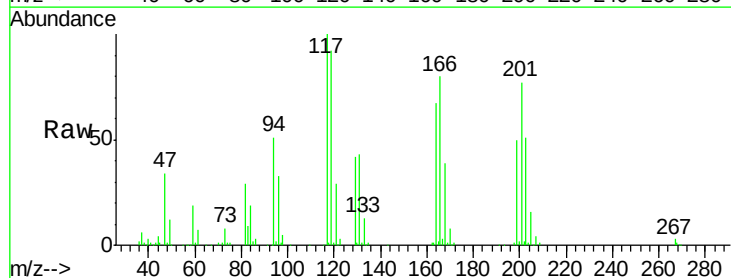
Manual Integrations
APPROVED

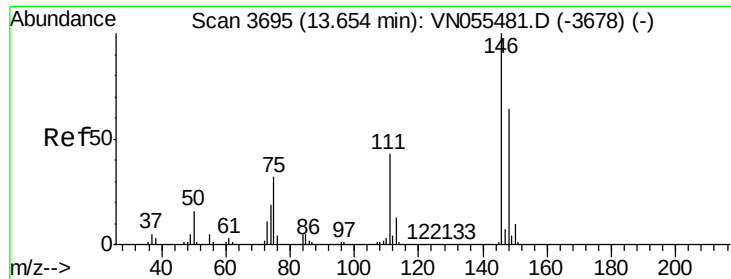
MMDadoda
5/10/2019 12:43:53 PM



#90
Hexachloroethane
Concen: 18.862 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.9	40.1	120.2





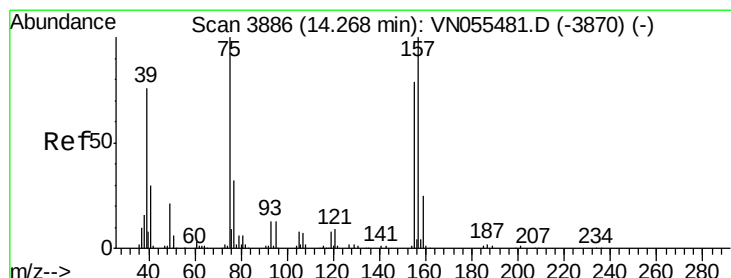
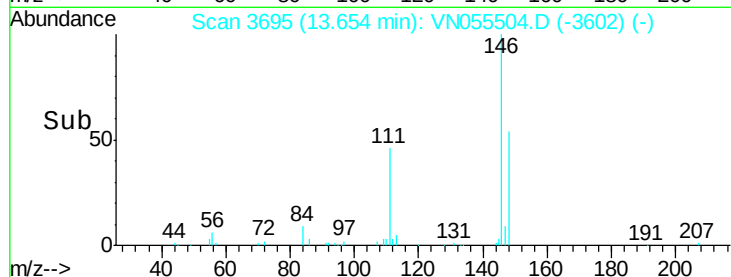
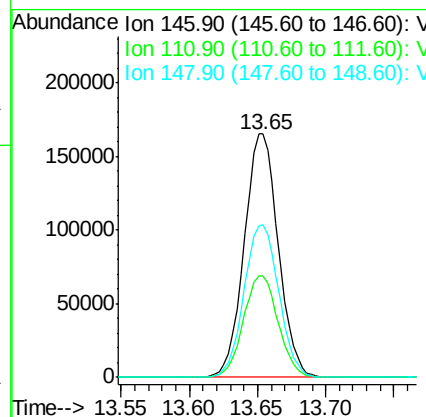
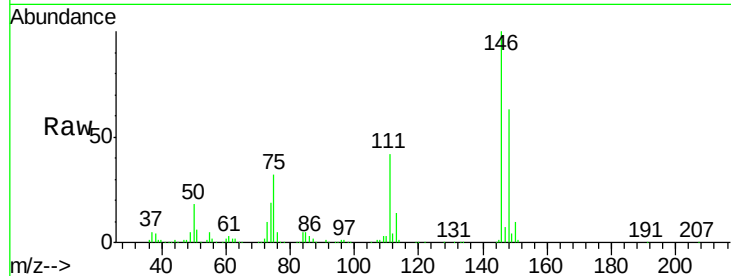
#91
 1,2-Dichlorobenzene
 Concen: 20.415 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	285899		
111	42.7	21.3	63.7	
148	64.2	31.9	95.9	

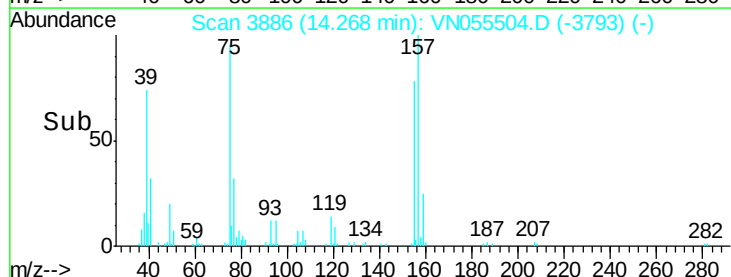
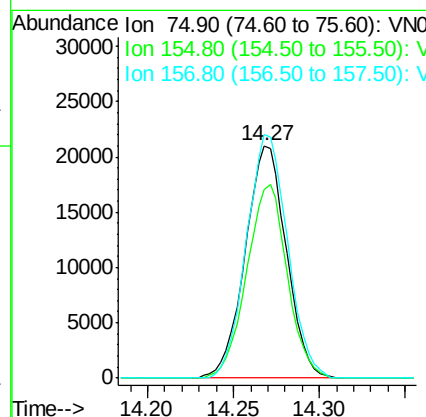
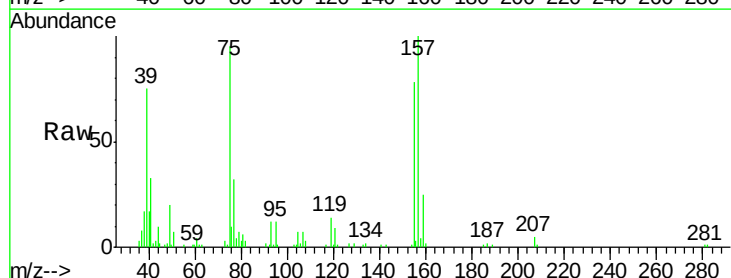
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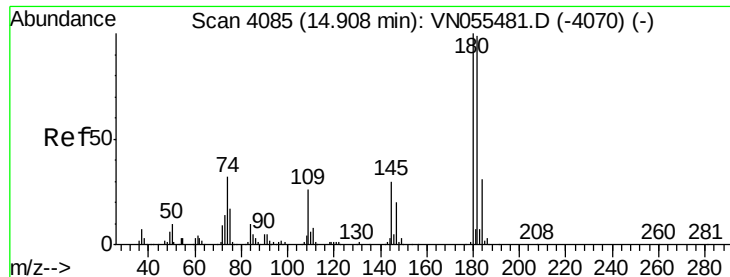
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.389 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34794		
155	82.0	39.3	117.8	
157	104.6	50.6	151.8	





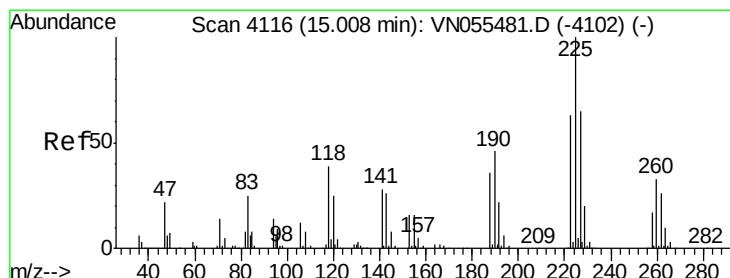
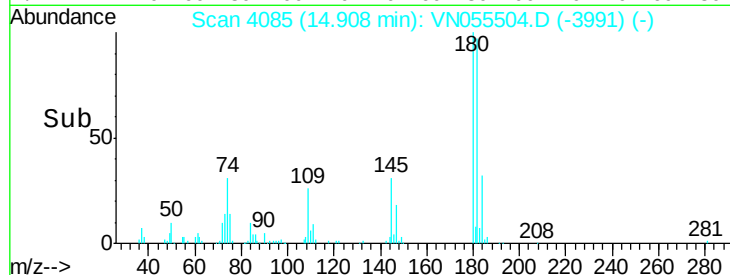
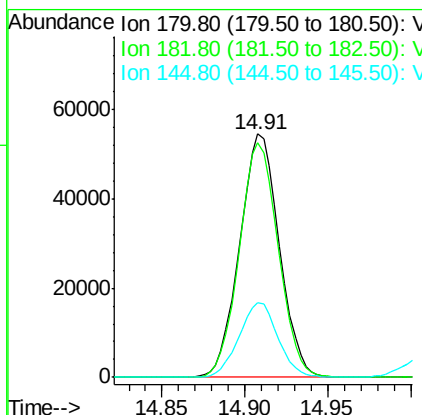
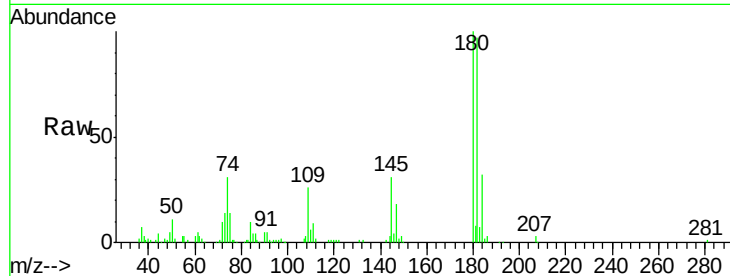
#93
 1,2,4-Trichlorobenzene
 Concen: 17.078 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Instrument :
 MSVOA_N
 ClientSampled :
 VN0509WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	48.7	146.1	
145	30.1	15.3	45.9	

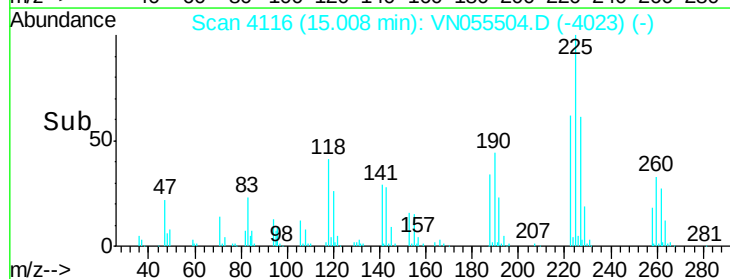
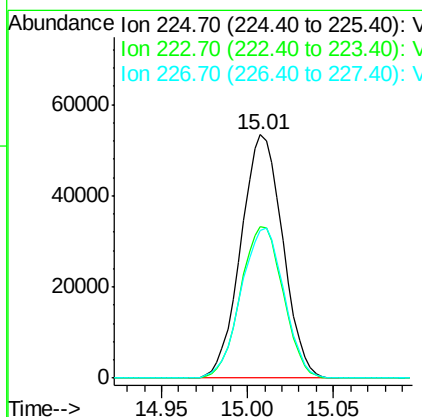
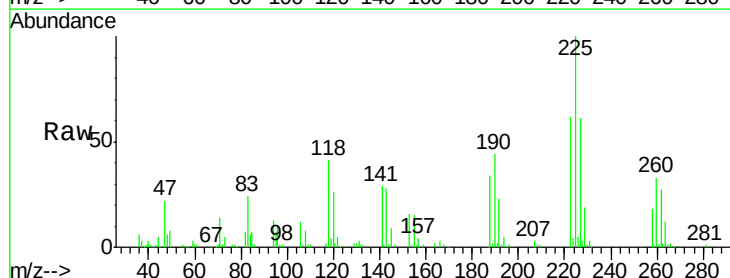
Manual Integrations
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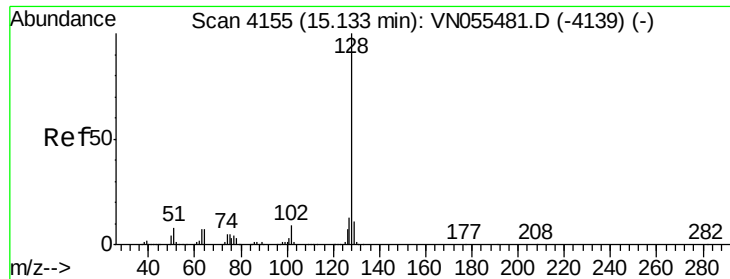
MMDadoda
 5/10/2019 12:43:53 PM



#94
 Hexachlorobutadiene
 Concen: 20.406 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055504.D
 Acq: 9 May 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	31.4	94.3	
227	63.3	32.0	96.0	





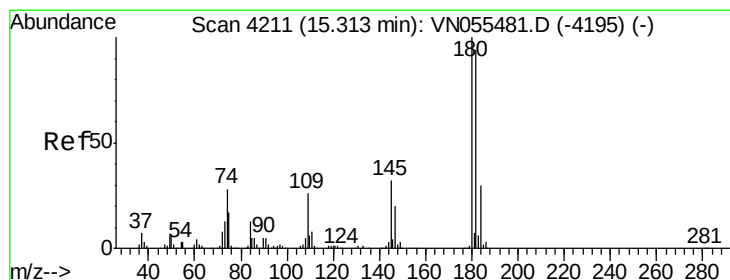
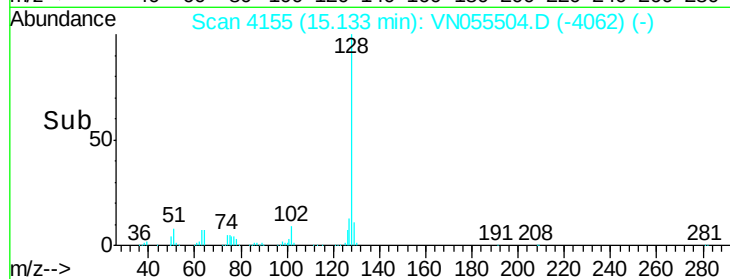
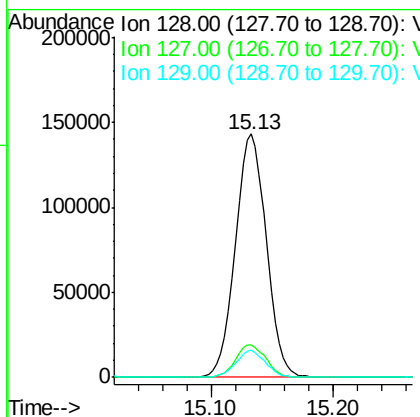
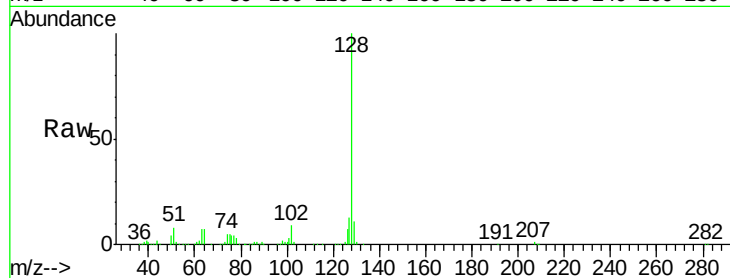
#95
Naphthalene
Concen: 16.679 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	250460		
127	13.1		10.0	15.0
129	10.6		8.8	13.2

Manual Integrations
APPROVED

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5/10/2019 12:43:53 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.515 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055504.D
Acq: 9 May 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	104725		
182	96.8		47.1	141.3
145	32.4		15.8	47.4

