

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055497.D
 Acq On : 9 May 2019 15:14
 Operator : JC/SP
 Sample : VN0509MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 12:43:41 PM

Quant Time: May 10 04:31:24 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	703147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1234245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1085780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	418364	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	533366	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	7.59	113	407689	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
50) Toluene-d8	10.09	98	1590055	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.40	95	517168	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	143113	19.991	ug/l	97
3) Chloromethane	2.06	50	235339	20.235	ug/l	99
4) Vinyl Chloride	2.19	62	222105	20.231	ug/l	96
5) Bromomethane	2.54	94	128804	21.413	ug/l	97
6) Chloroethane	2.70	64	135518	21.192	ug/l	96
7) Trichlorofluoromethane	3.01	101	247537	20.553	ug/l	96
8) Diethyl Ether	3.41	74	111556	20.624	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	154436	20.154	ug/l	99
10) Methyl Iodide	3.95	142	216271	20.882	ug/l	100
11) Tert butyl alcohol	4.81	59	144054	92.154	ug/l #	88
12) 1,1-Dichloroethene	3.73	96	157117	20.445	ug/l	100
13) Acrolein	3.61	56	105218	100.995	ug/l	100
14) Allyl chloride	4.32	41	309593	19.666	ug/l	99
15) Acrylonitrile	4.99	53	489581	101.145	ug/l	99
16) Acetone	3.82	43	418475	85.366	ug/l	98
17) Carbon Disulfide	4.05	76	400286	19.084	ug/l	99
18) Methyl Acetate	4.33	43	209462	19.691	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	519952	20.362	ug/l	98
20) Methylene Chloride	4.55	84	195833	19.536	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	172931	20.755	ug/l	94
22) Diisopropyl ether	5.96	45	668718	20.904	ug/l	98
23) Vinyl Acetate	5.90	43	2491334	100.701	ug/l	100
24) 1,1-Dichloroethane	5.85	63	354865	20.549	ug/l	99
25) 2-Butanone	6.84	43	657775	97.136	ug/l	100
26) 2,2-Dichloropropane	6.83	77	201332	18.702	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	199918	20.761	ug/l	100
28) Bromochloromethane	7.20	49	193534	21.580	ug/l	98
29) Tetrahydrofuran	7.22	42	447216	99.900	ug/l	99
30) Chloroform	7.37	83	327451	20.511	ug/l	99
31) Cyclohexane	7.65	56	341251	19.972	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	247723	20.377	ug/l	99
36) 1,1-Dichloropropene	7.79	75	255664	21.026	ug/l	99
37) Ethyl Acetate	6.94	43	269503	20.318	ug/l	99
38) Carbon Tetrachloride	7.77	117	201782	19.708	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	289399	19.520	ug/l	98
40) Benzene	8.04	78	785424	20.813	ug/l	100
41) Methacrylonitrile	7.17	41	94548m	15.358	ug/l	
42) 1,2-Dichloroethane	8.13	62	267899	20.206	ug/l	99
43) Isopropyl Acetate	8.17	43	391735	19.440	ug/l	99
44) Trichloroethene	8.83	130	183653	20.453	ug/l	97
45) 1,2-Dichloropropane	9.12	63	223211	20.672	ug/l	99
46) Dibromomethane	9.21	93	126865	20.270	ug/l	98
47) Bromodichloromethane	9.40	83	239707	20.020	ug/l	99
48) Methyl methacrylate	9.20	41	184555	19.009	ug/l	99
49) 1,4-Dioxane	9.20	88	71749	379.161	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1284456	96.917	ug/l	100
52) Toluene	10.16	92	447058	20.722	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	223127	19.403	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	272893	19.859	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	180102	20.604	ug/l	99
56) Ethyl methacrylate	10.43	69	250859	19.294	ug/l	100
57) 1,3-Dichloropropane	10.71	76	325165	20.953	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	294892	76.514	ug/l	99
59) 2-Hexanone	10.75	43	878303	94.498	ug/l	100
60) Dibromochloromethane	10.90	129	155844	19.609	ug/l	99
61) 1,2-Dibromoethane	11.01	107	170365	20.285	ug/l	99
64) Tetrachloroethene	10.63	164	183642	20.641	ug/l	99
65) Chlorobenzene	11.43	112	453547	20.304	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	151207	19.662	ug/l	98
67) Ethyl Benzene	11.51	91	826626	19.703	ug/l	99
68) m/p-Xylenes	11.62	106	609124	40.456	ug/l	99
69) o-Xylene	11.95	106	299319	20.226	ug/l	99
70) Styrene	11.96	104	486978	20.540	ug/l	99
71) Bromoform	12.13	173	96998	18.691	ug/l #	99
73) Isopropylbenzene	12.25	105	791781	21.526	ug/l	100
74) N-amyl acetate	12.07	43	294768	18.558	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	245823	20.473	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	209579m	18.401	ug/l	
77) Bromobenzene	12.53	156	181586	19.695	ug/l	96
78) n-propylbenzene	12.59	91	888334	19.797	ug/l	100
79) 2-Chlorotoluene	12.67	91	549804	19.661	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	661110	19.759	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53095	17.202	ug/l	90
82) 4-Chlorotoluene	12.77	91	513533	19.434	ug/l	99
83) tert-Butylbenzene	12.99	119	566031	19.737	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	604341	19.694	ug/l	100
85) sec-Butylbenzene	13.17	105	745153	19.550	ug/l	99
86) p-Isopropyltoluene	13.29	119	609214	19.640	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	286471	20.108	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	275436	19.590	ug/l	99
89) n-Butylbenzene	13.61	91	445836	18.542	ug/l	100
90) Hexachloroethane	13.87	117	91245	18.032	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	285987	20.085	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34079	17.714	ug/l	99

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Instrument :
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ClientSampleId :
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Manual Integrations
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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)
93) 1,2,4-Trichlorobenzene	14.91	180	90302	16.837	ug/l	98
94) Hexachlorobutadiene	15.01	225	94391	21.053	ug/l	98
95) Naphthalene	15.13	128	246476	16.237	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	100462	16.662	ug/l	99

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

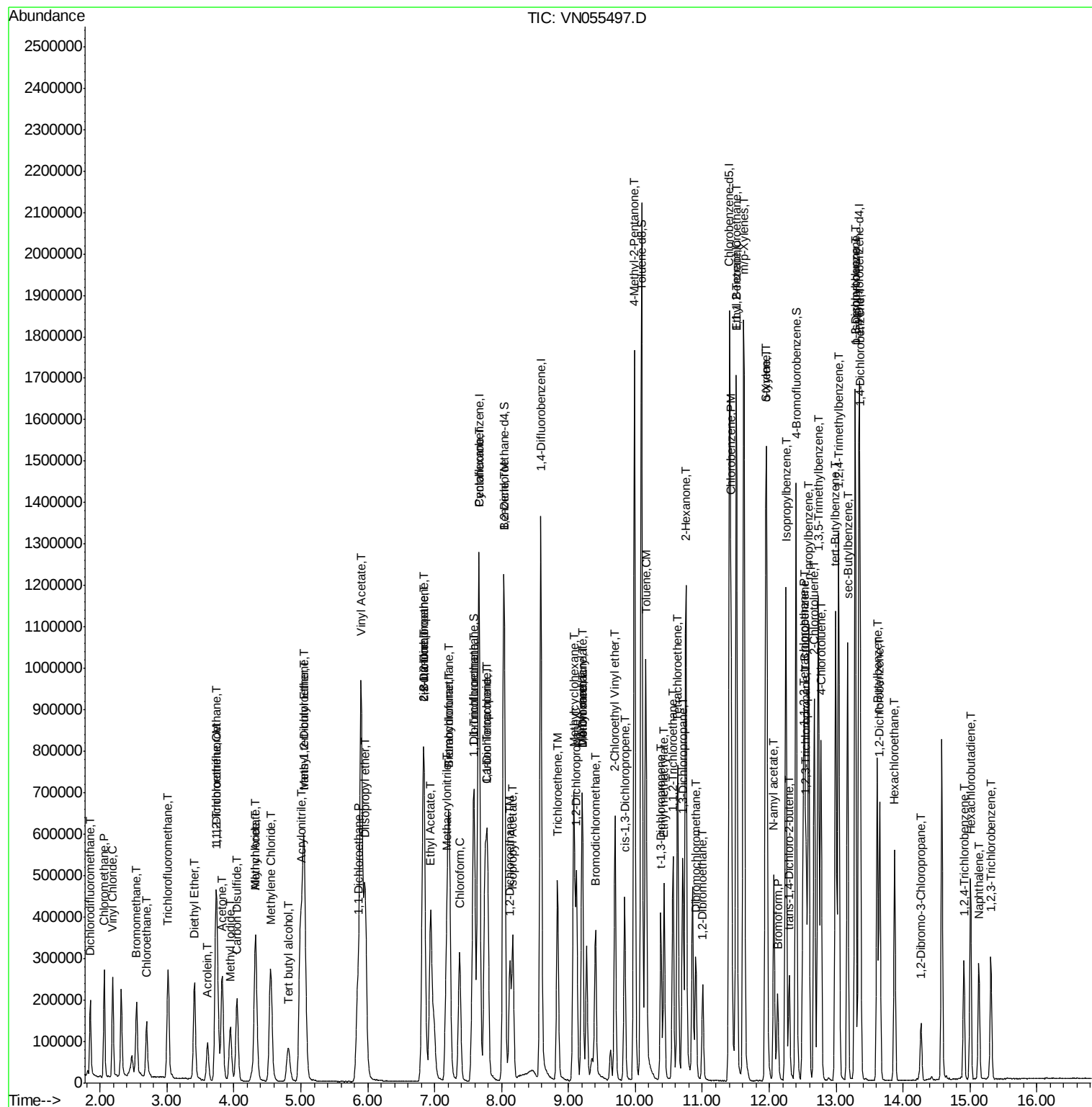
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 Data File : VN055497.D
 Acq On : 9 May 2019 15:14
 Operator : JC/SP
 Sample : VN0509MBS01
 Misc : 5.00uL/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

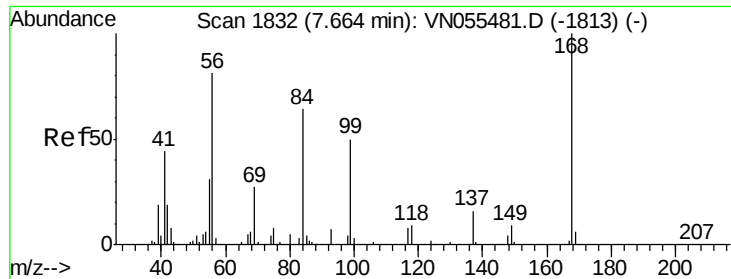
Instrument :
 MSVOA_N
 Client Sample ID :
 VN0509MBS01

Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
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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: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBSD01

Tot Ion:168 Resp: 703147

Ion Ratio Lower Upper

168 100

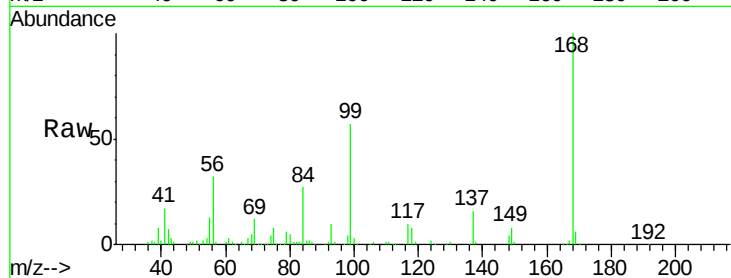
99 56.6 47.0 70.4

Manual Integrations

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5/10/2019 12:43:41 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

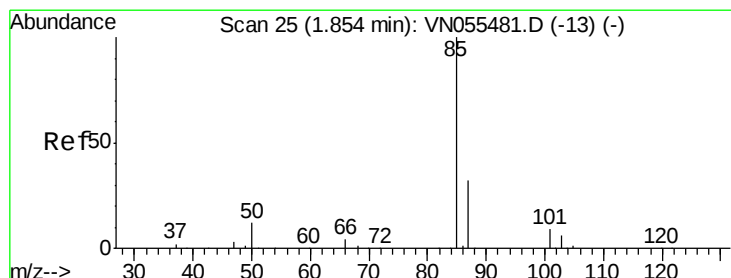
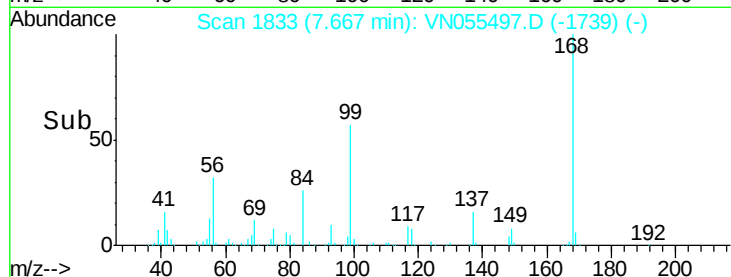
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.991 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055497.D

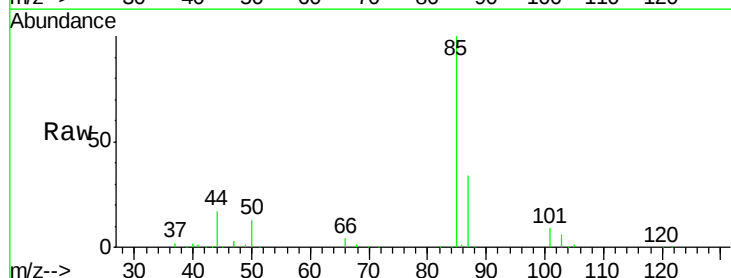
Acq: 9 May 2019 15:14

Tgt Ion: 85 Resp: 143113

Ion Ratio Lower Upper

85 100

87 33.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

60000

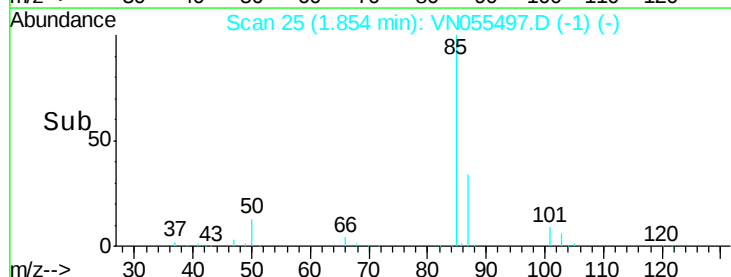
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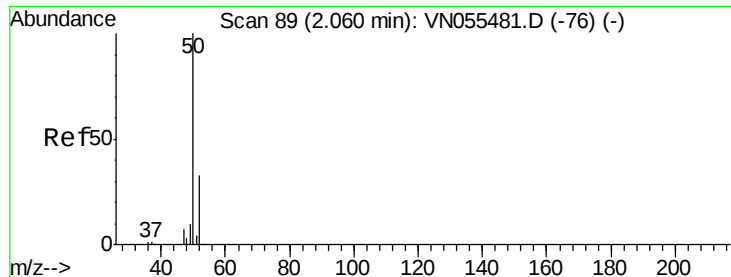
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.235 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampled :

VN0509MBSD01

Tot Ion: 50 Resp: 235339

Ion Ratio Lower Upper

50 100

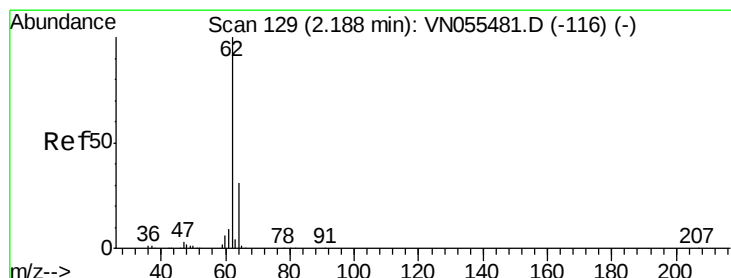
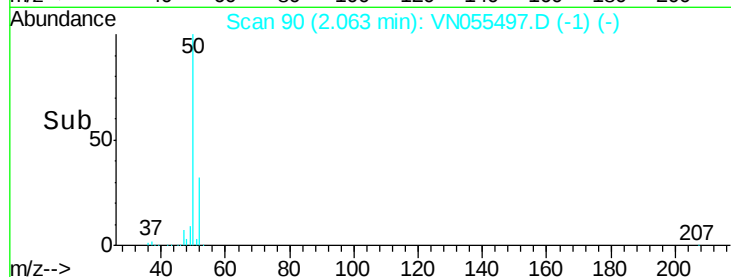
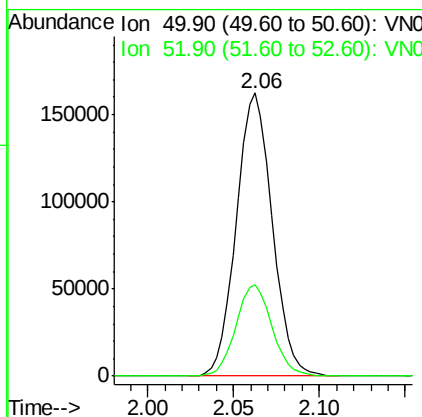
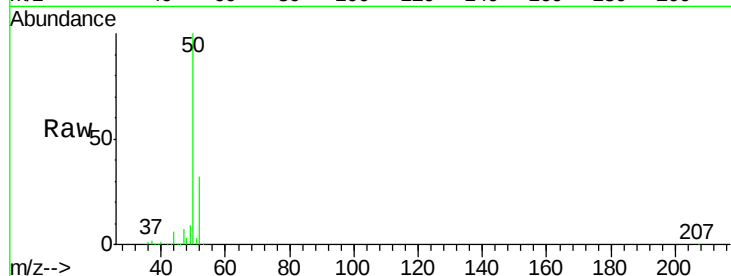
52 32.4 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.231 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055497.D

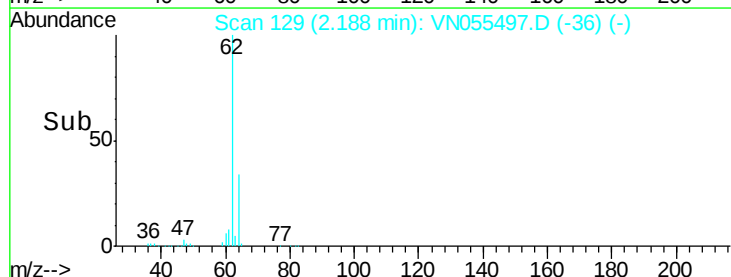
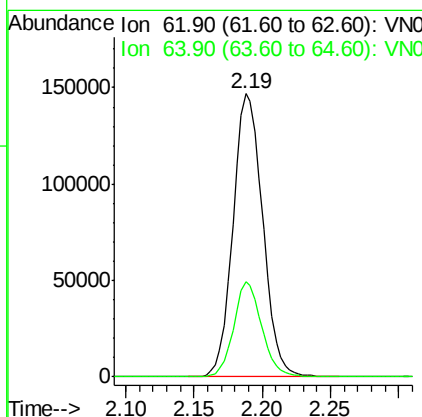
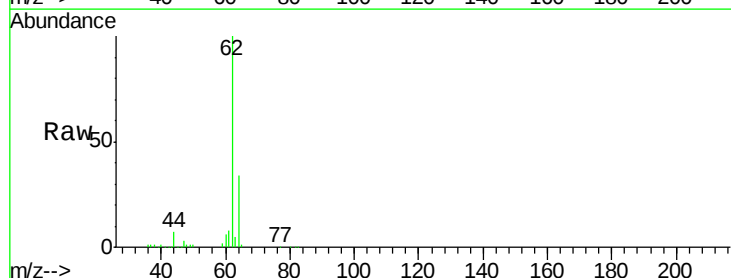
Acq: 9 May 2019 15:14

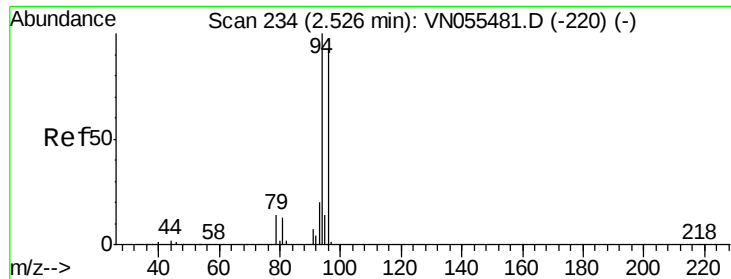
Tgt Ion: 62 Resp: 222105

Ion Ratio Lower Upper

62 100

64 33.5 25.0 37.6





#5

Bromomethane

Concen: 21.413 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBSD01

Tot Ion: 94 Resp: 128804

Ion Ratio Lower Upper

94 100

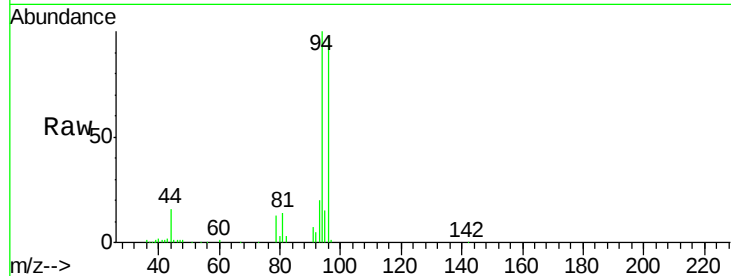
96 96.6 74.8 112.2

Manual Integrations

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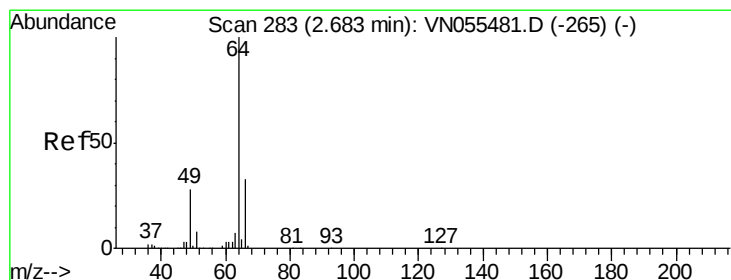
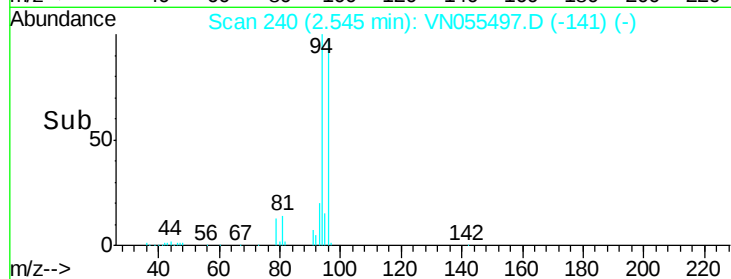
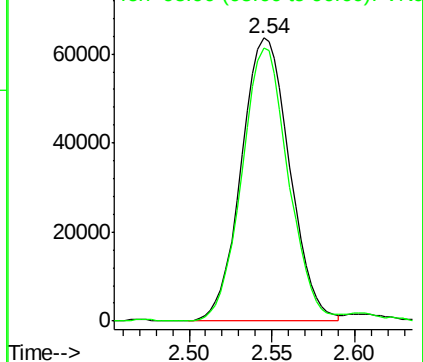
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.192 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.01 min

Lab File: VN055497.D

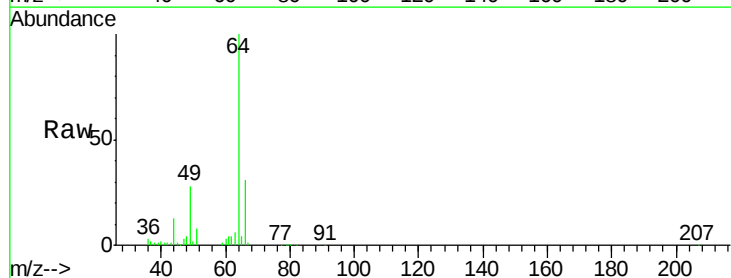
Acq: 9 May 2019 15:14

Tgt Ion: 64 Resp: 135518

Ion Ratio Lower Upper

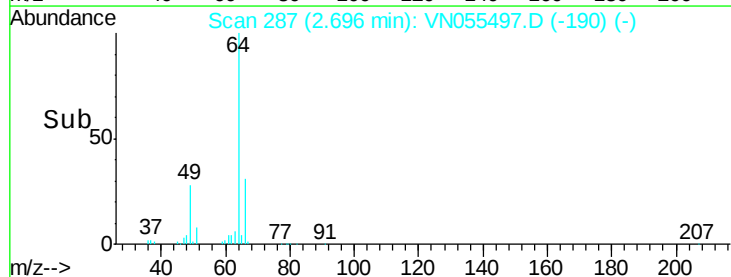
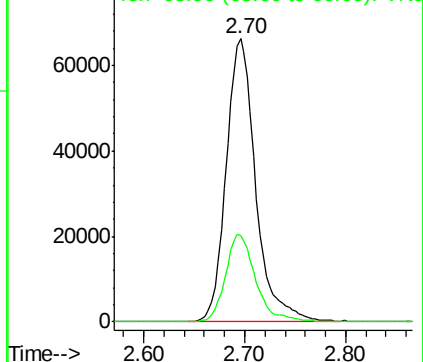
64 100

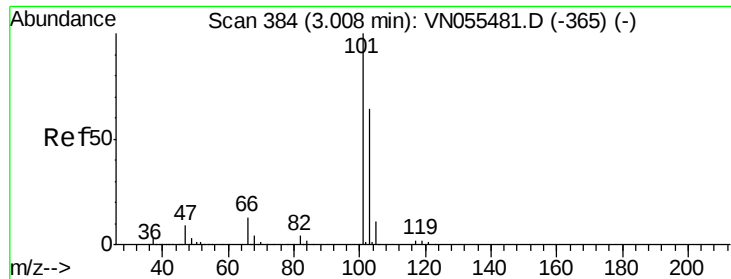
66 30.6 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

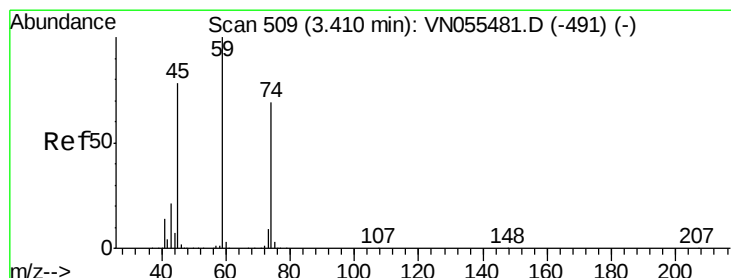
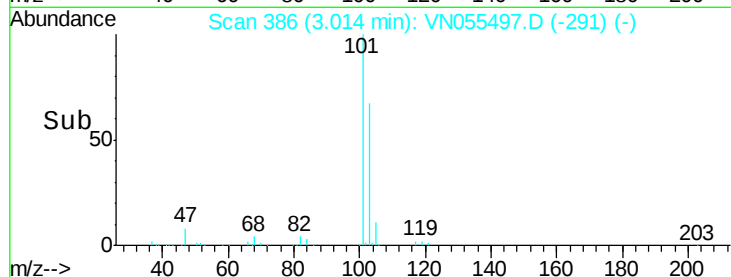
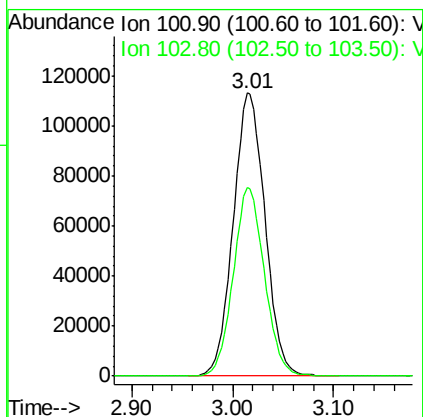
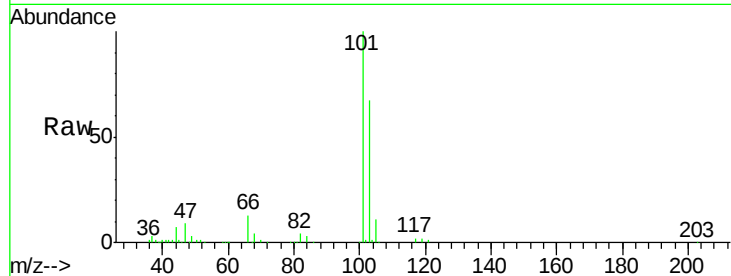
Trichlorofluoromethane
Concen: 20.553 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.01 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	247537		
103	66.8	51.2	76.8	

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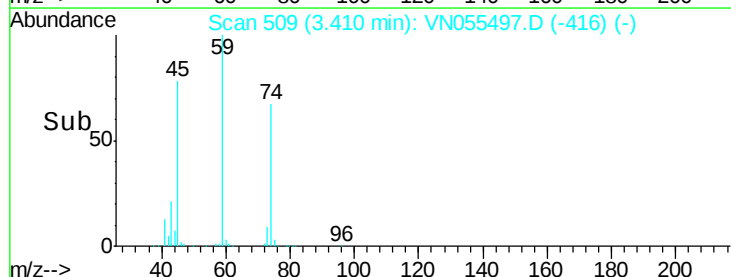
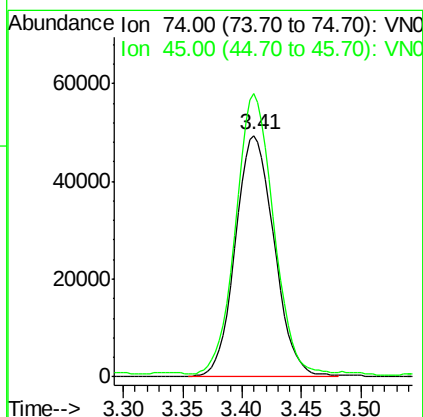
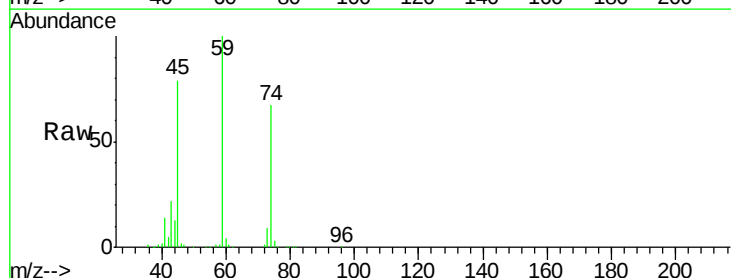
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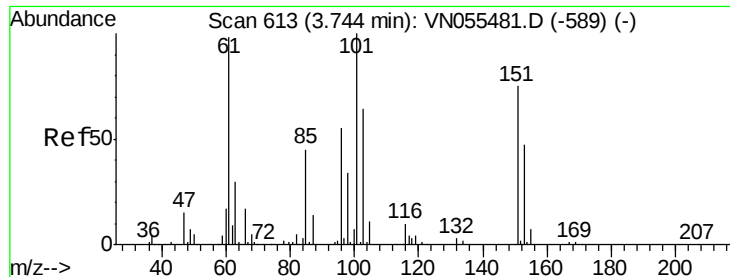


#8

Diethyl Ether
Concen: 20.624 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	111556		
45	112.6	58.1	174.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.154 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

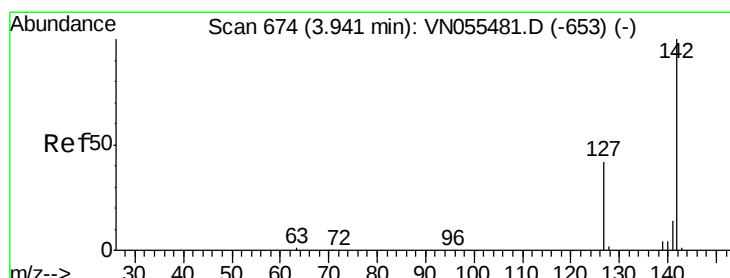
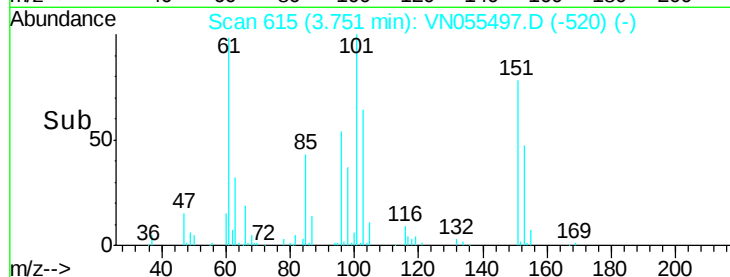
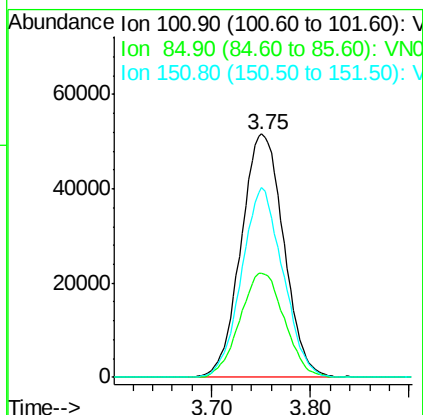
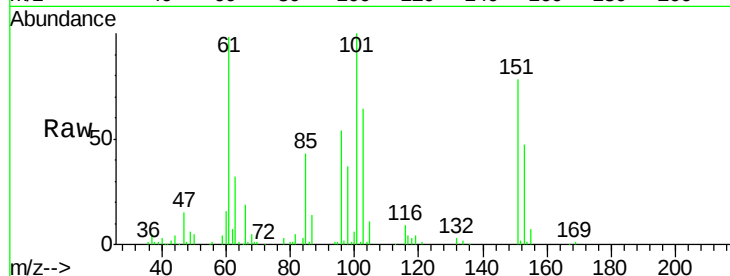
ClientSampled :

VN0509MBSD01

Tot Ion:	101	Resp:	154436
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.5	53.3
151	75.5	59.2	88.8

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#10

Methyl Iodide

Concen: 20.882 ug/l

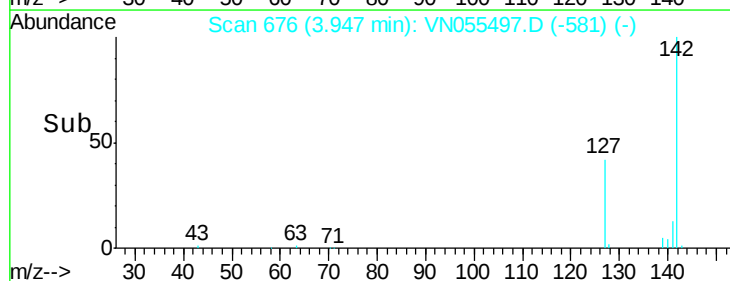
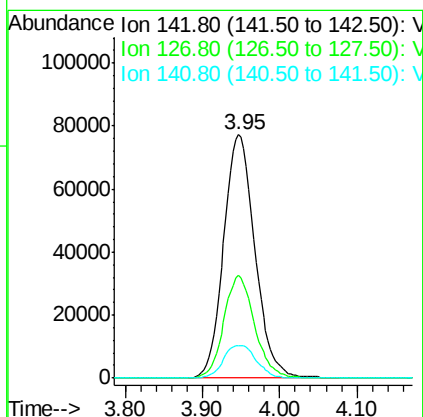
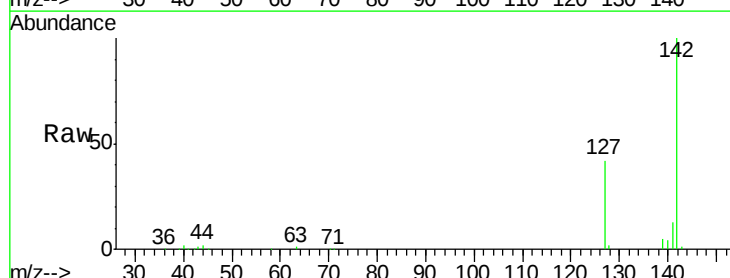
RT: 3.95 min Scan# 676

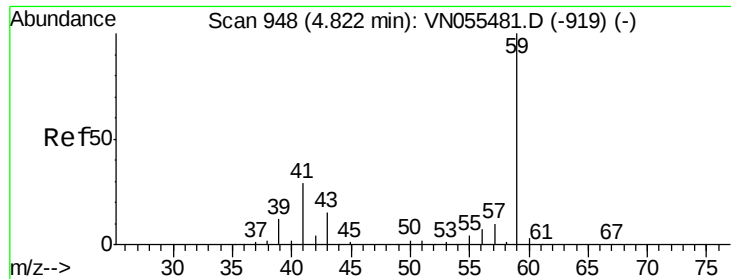
Delta R.T. 0.01 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Tgt Ion:	142	Resp:	216271
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.0	49.4
141	14.2	11.4	17.0





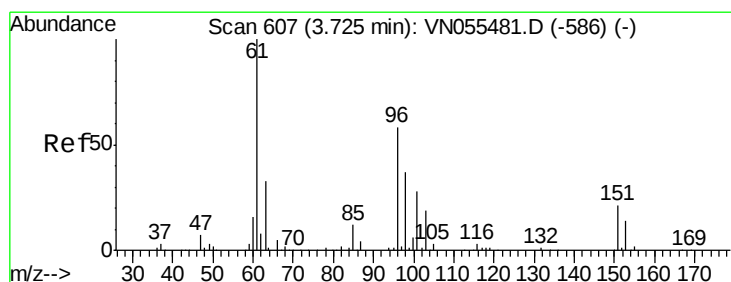
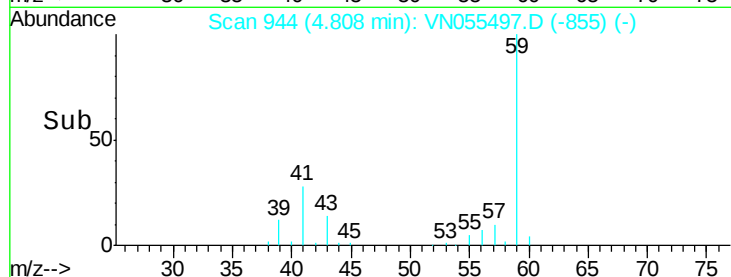
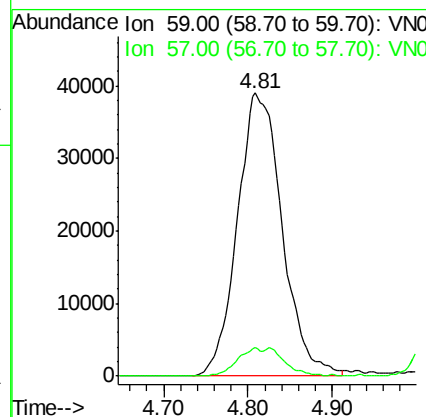
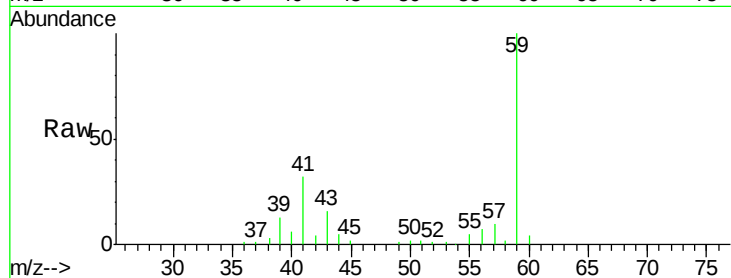
#11
Tert butyl alcohol
Concen: 92.154 ug/l
RT: 4.81 min Scan# 944
Delta R.T. -0.01 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampled :
VN0509MBSD01

Tot Ion: 59 Resp: 144054
Ion Ratio Lower Upper
59 100
57 5.6 8.0 12.0#

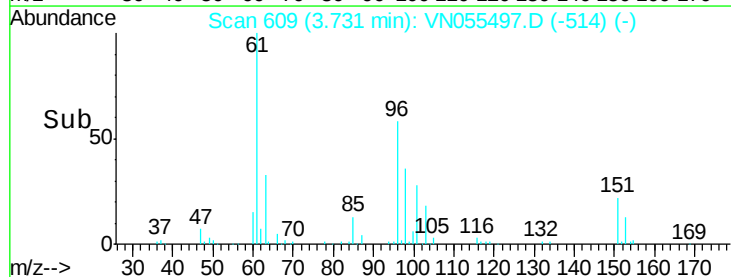
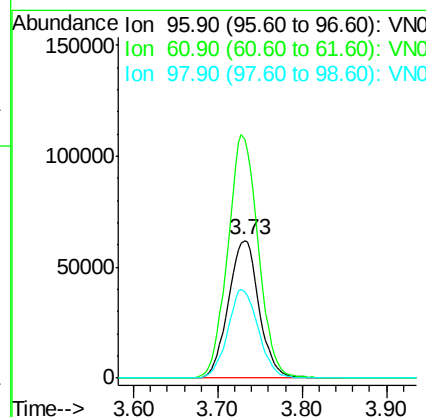
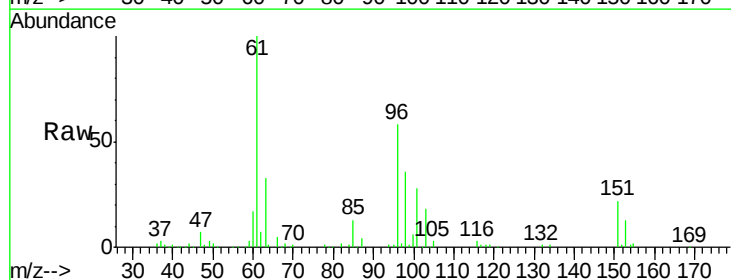
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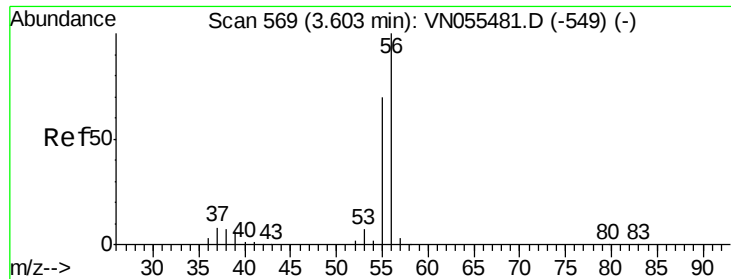
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.445 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.01 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion: 96 Resp: 157117
Ion Ratio Lower Upper
96 100
61 172.9 138.7 208.1
98 62.9 50.6 76.0





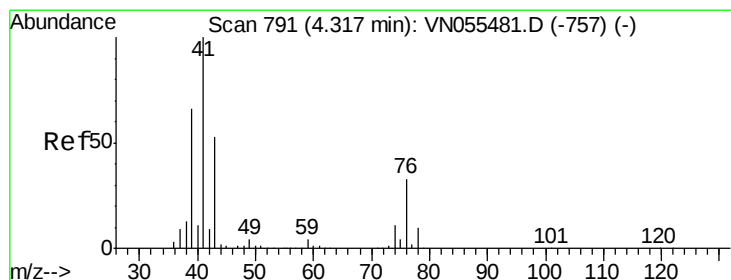
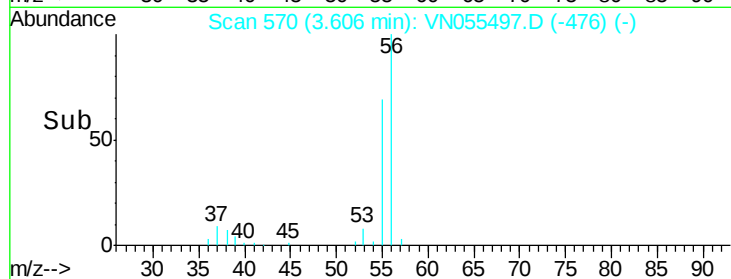
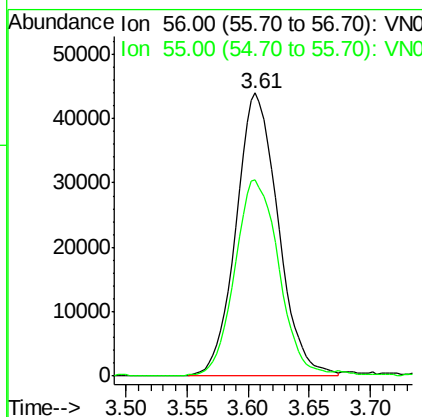
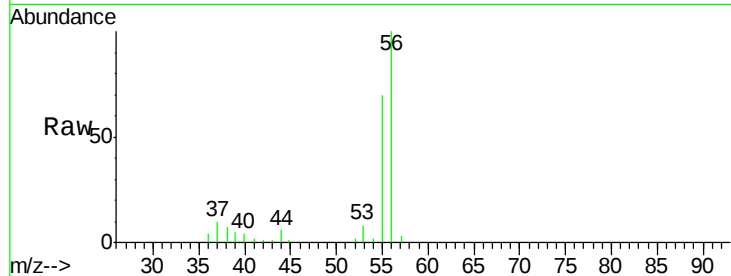
#13
Acrolein
Concen: 100.995 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

Tot Ion	56	55	Ratio	Lower	Upper
105218	100	72.2		57.7	86.5

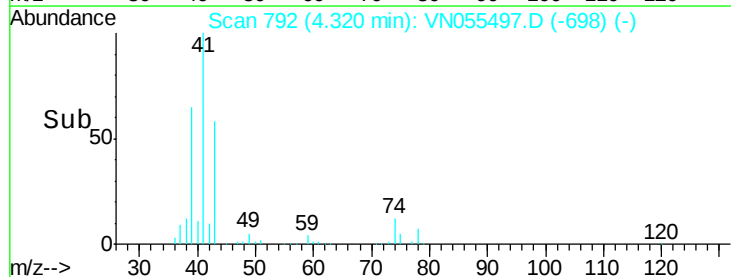
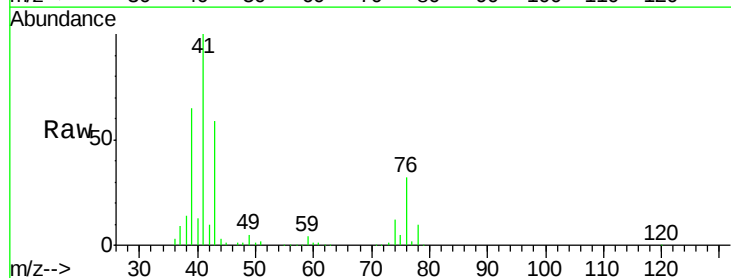
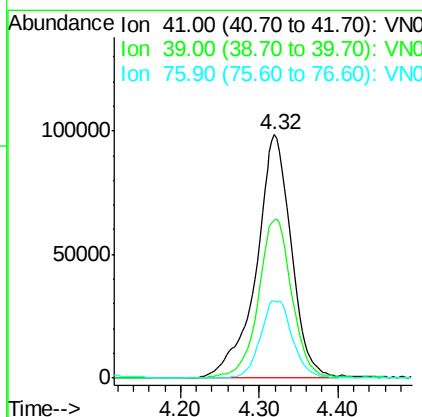
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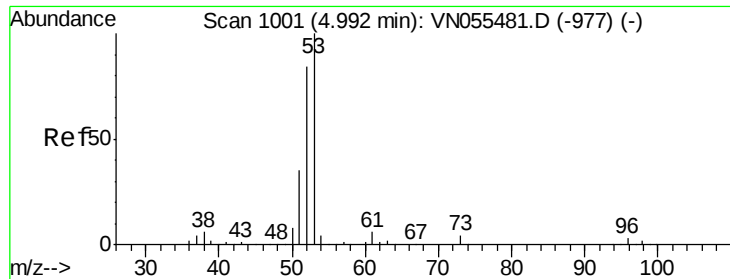
MMDadoda
5/10/2019 12:43:41 PM



#14
Allyl chloride
Concen: 19.666 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion	41	39	76	Ratio	Lower	Upper
309593	100	62.8	29.0		49.8	74.8





#15

Acrylonitrile

Concen: 101.145 ug/l

RT: 4.99 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

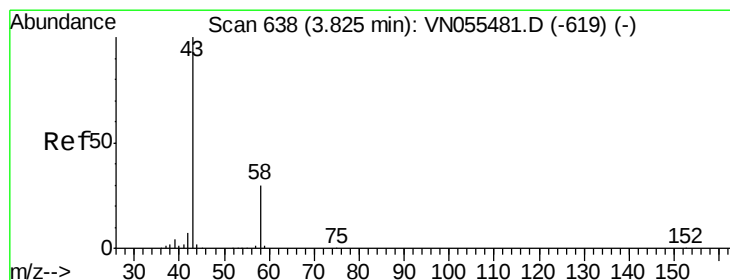
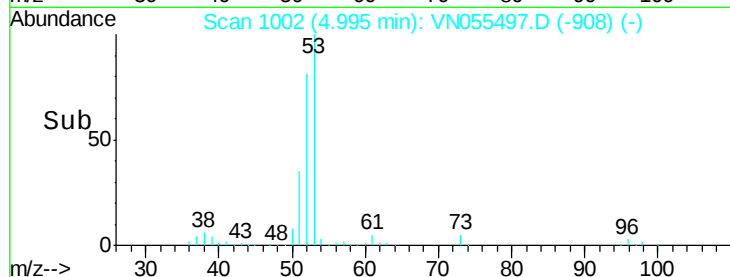
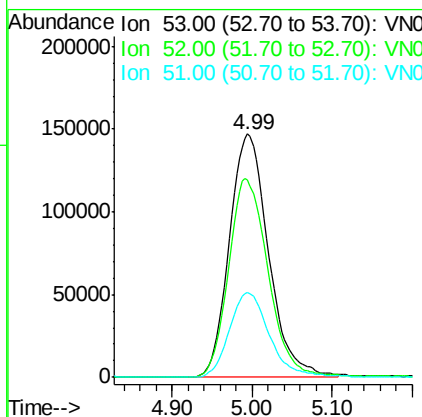
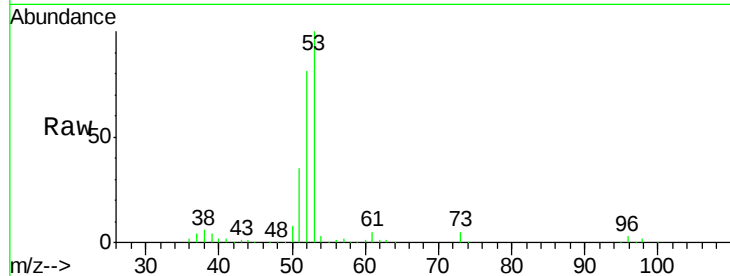
ClientSampleId :

VN0509MBSD01

Tot Ion:	53	Resp:	489581
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.1	99.1
51	35.7	28.3	42.5

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#16

Acetone

Concen: 85.366 ug/l

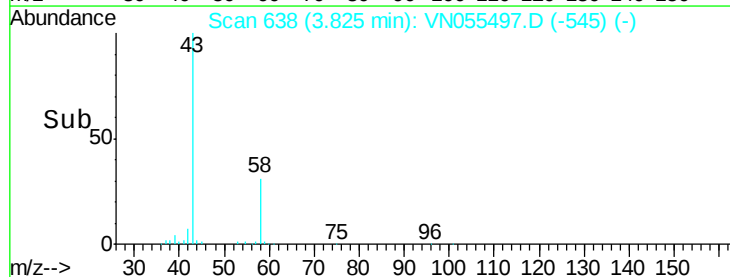
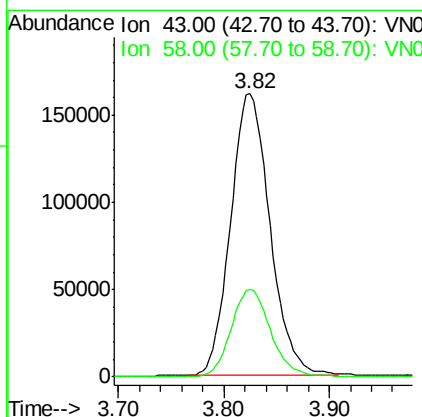
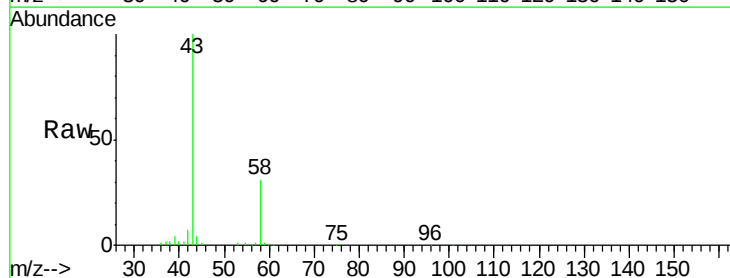
RT: 3.82 min Scan# 638

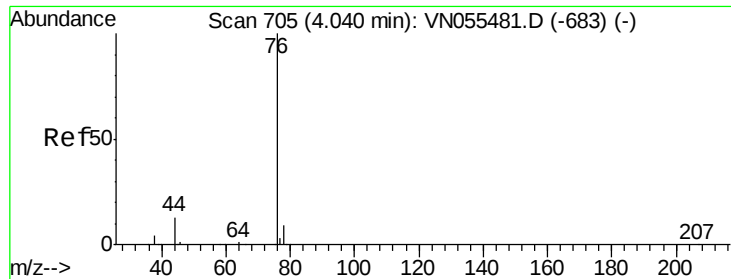
Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Tgt Ion:	43	Resp:	418475
Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.2	36.2





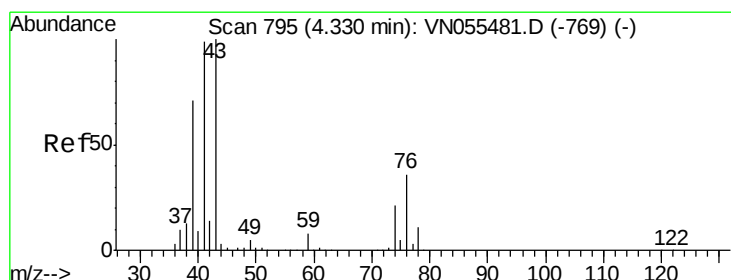
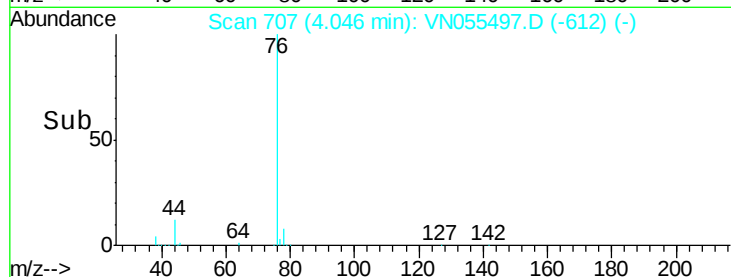
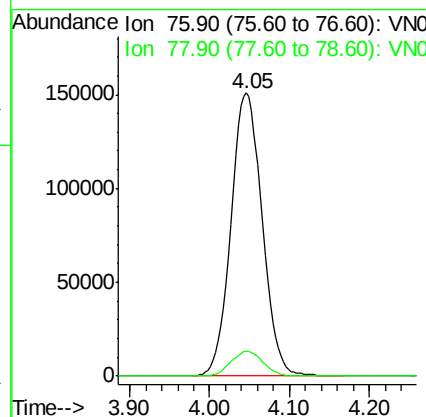
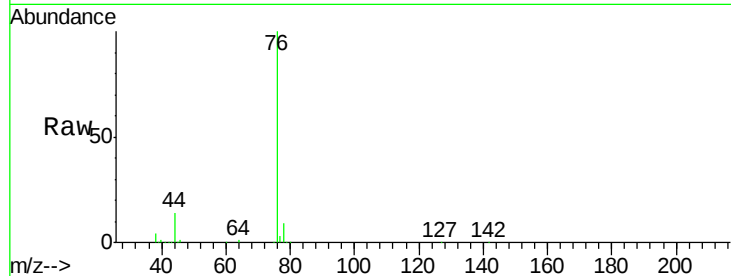
#17
Carbon Disulfide
Concen: 19.084 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.01 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

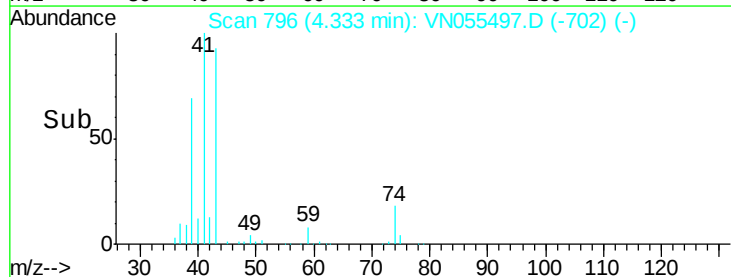
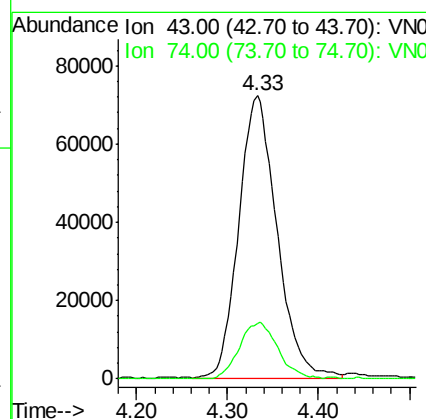
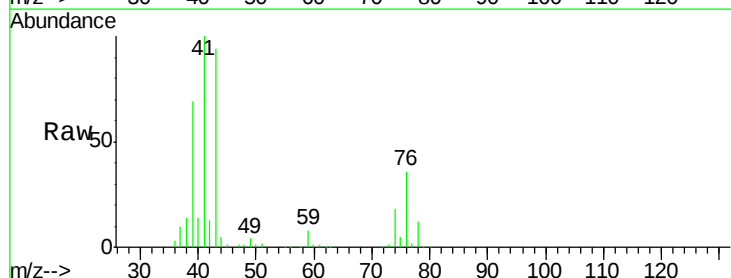
Manual Integrations
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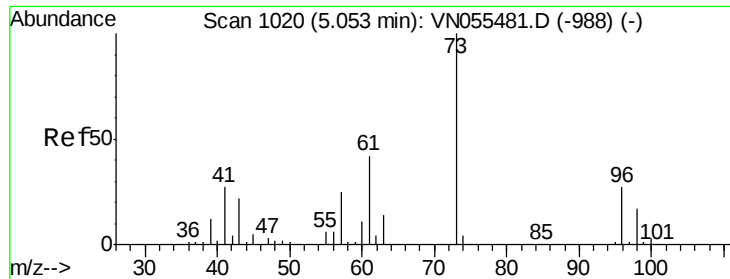
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#18
Methyl Acetate
Concen: 19.691 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	16.3	24.5





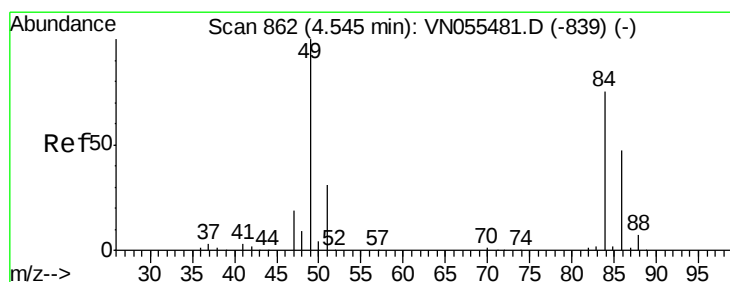
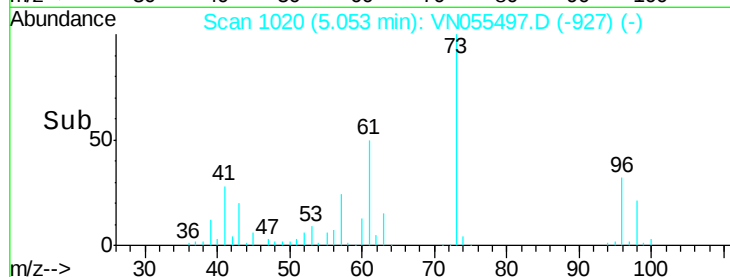
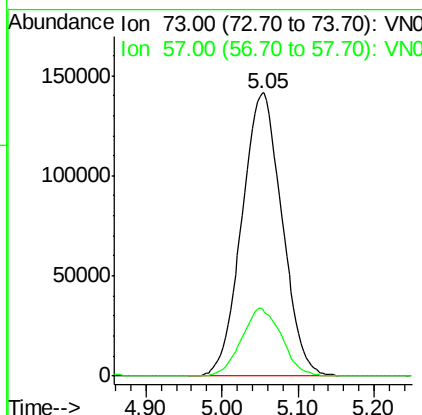
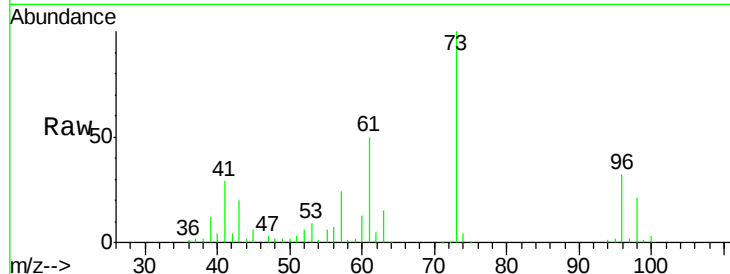
#19
Methvl tert-butvl Ether
Concen: 20.362 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

Tot Ion: 73 Resp: 519952
Ion Ratio Lower Upper
73 100
57 23.8 20.0 30.0

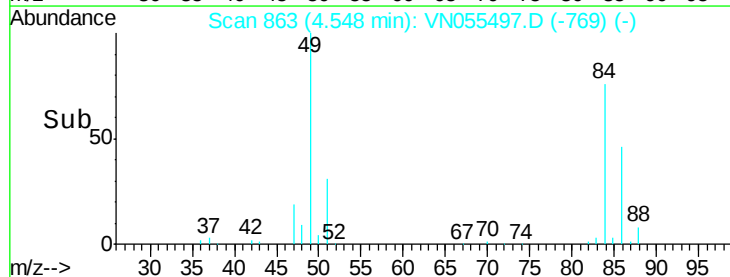
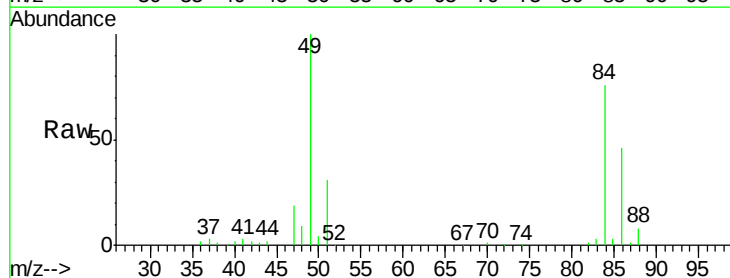
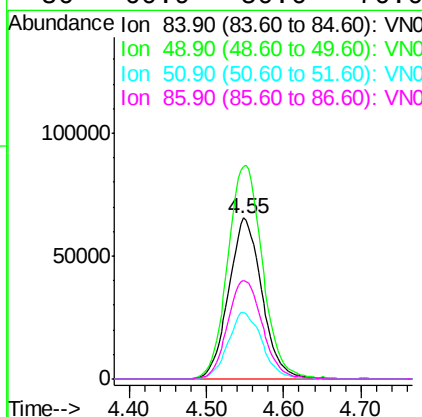
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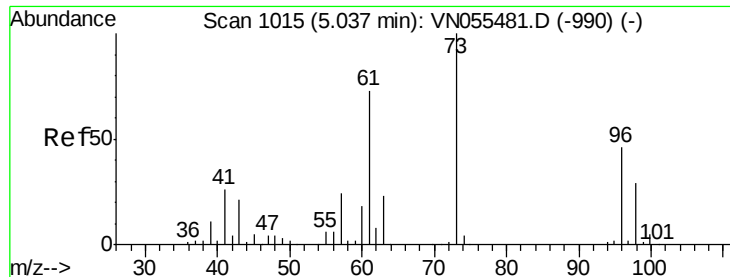
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#20
Methylene Chloride
Concen: 19.536 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion: 84 Resp: 195833
Ion Ratio Lower Upper
84 100
49 132.0 107.0 160.6
51 41.5 33.0 49.4
86 60.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.755 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBSD01

Tot Ion: 96 Resp: 172931

Ion Ratio Lower Upper

96 100

61 150.5 127.4 191.0

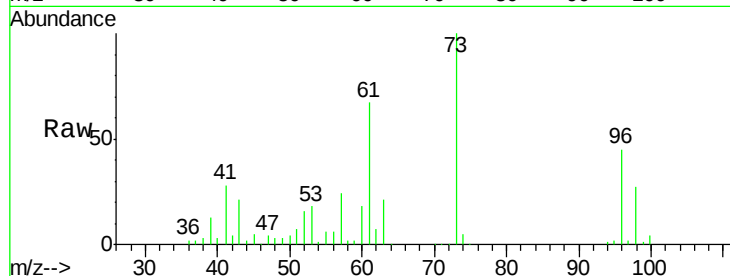
98 59.7 51.6 77.4

Manual Integrations

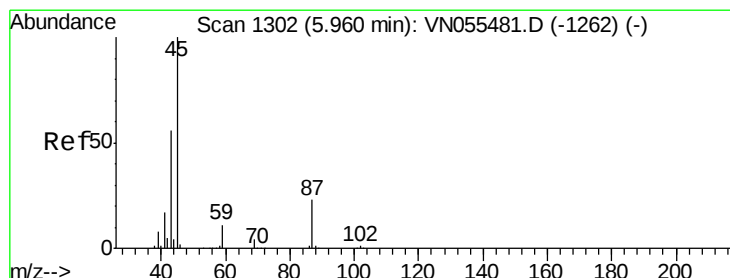
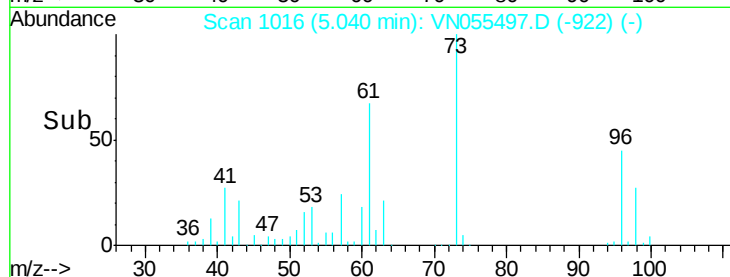
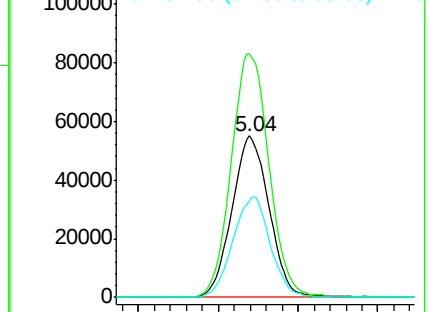
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 20.904 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Tgt Ion: 45 Resp: 668718

Ion Ratio Lower Upper

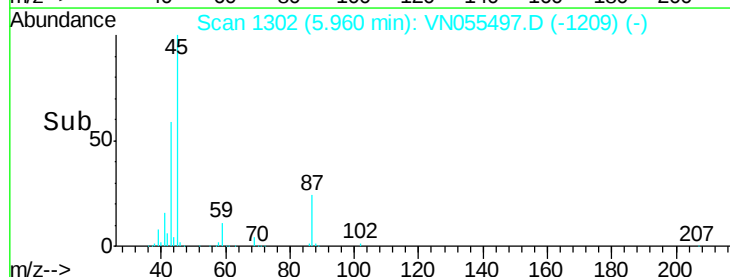
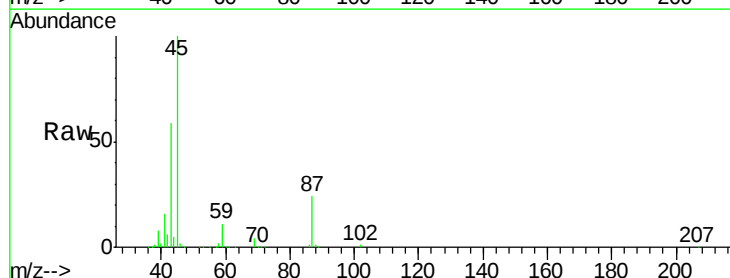
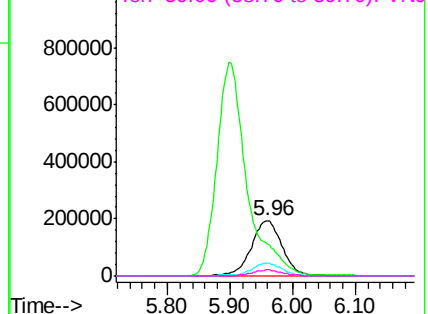
45 100

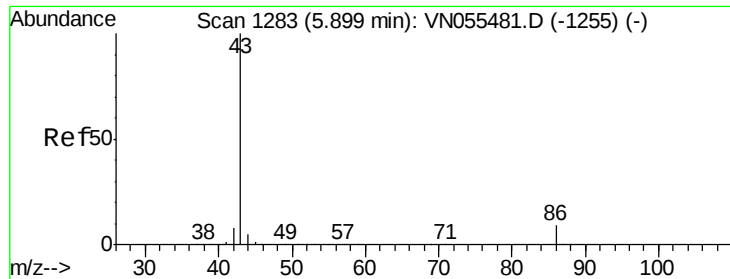
43 57.9 44.6 66.8

87 23.9 18.6 28.0

59 10.8 8.6 12.8

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 100.701 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBSD01

Tot Ion: 43 Resp: 2491334

Ion Ratio Lower Upper

43 100

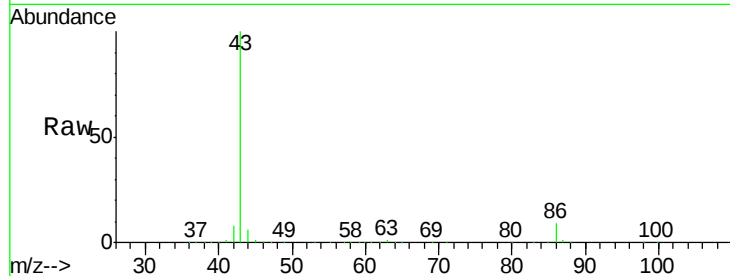
86 8.7 7.1 10.7

Manual Integrations

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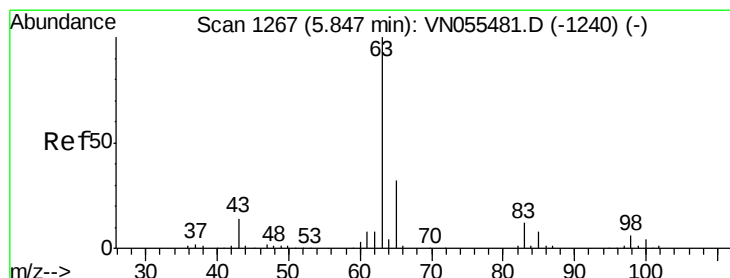
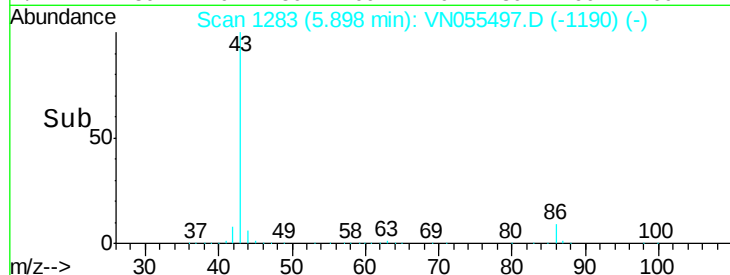
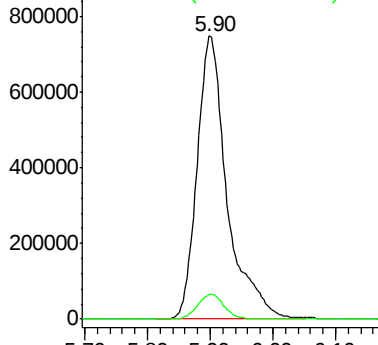
MMDadoda

5/10/2019 12:43:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.549 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

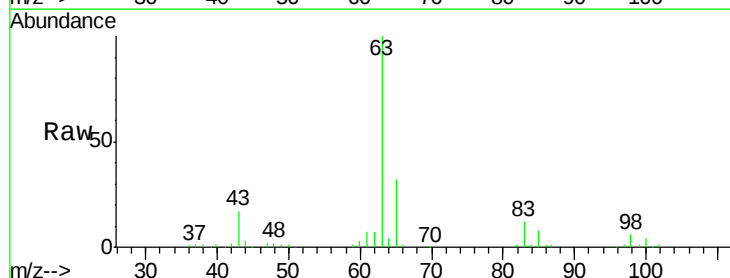
Tgt Ion: 63 Resp: 354865

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.0

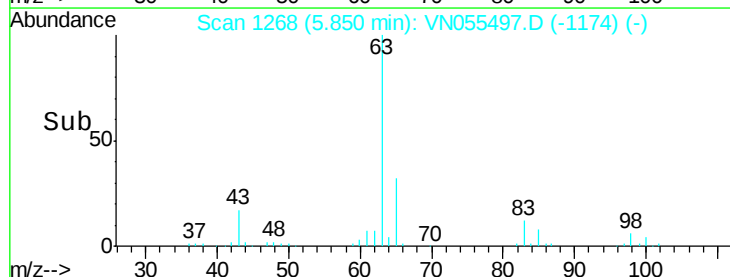
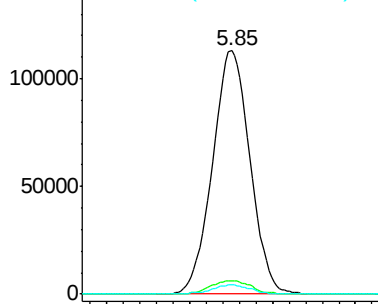
100 3.8 1.9 5.7



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





#25

2-Butanone

Concen: 97.136 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBSD01

Tot Ion: 43 Resp: 657775

Ion Ratio Lower Upper

43 100

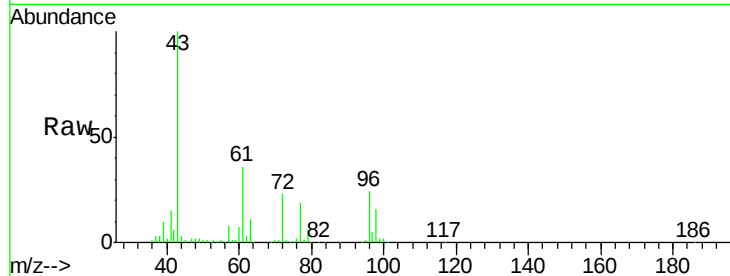
72 23.1 18.6 27.8

Manual Integrations

APPROVED

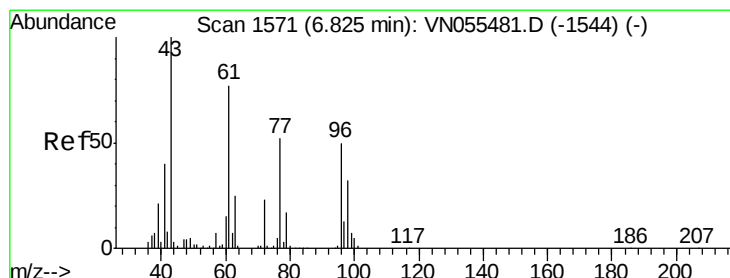
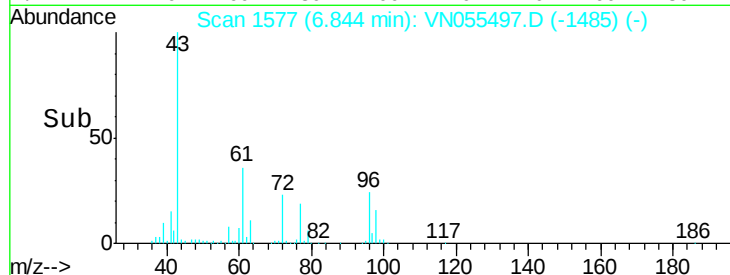
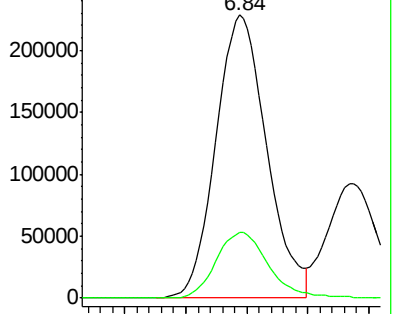
MMDadoda

5/10/2019 12:43:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.702 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055497.D

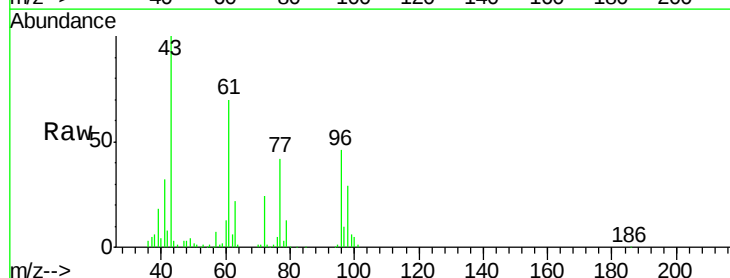
Acq: 9 May 2019 15:14

Tgt Ion: 77 Resp: 201332

Ion Ratio Lower Upper

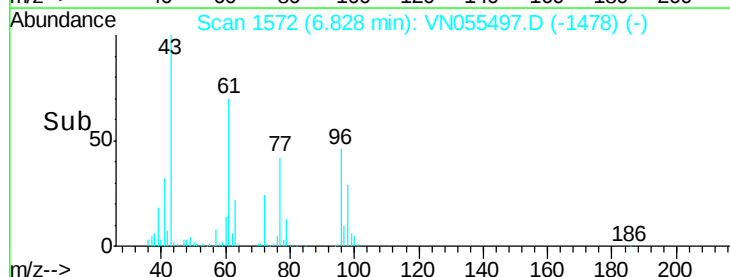
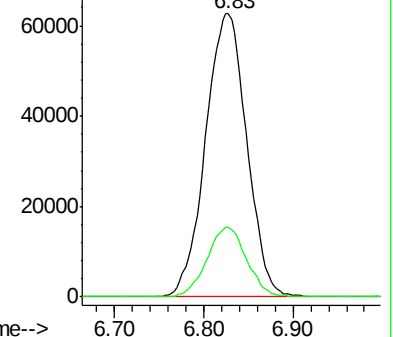
77 100

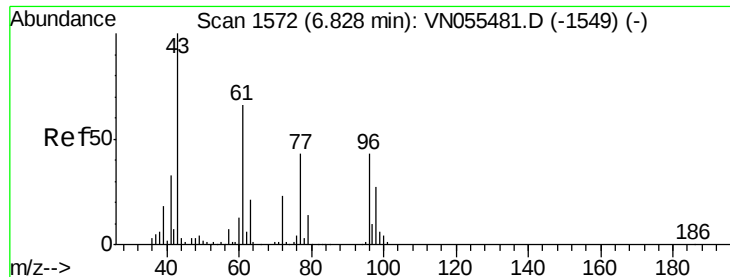
97 23.6 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





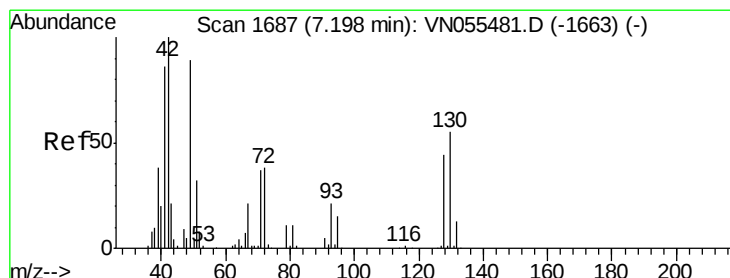
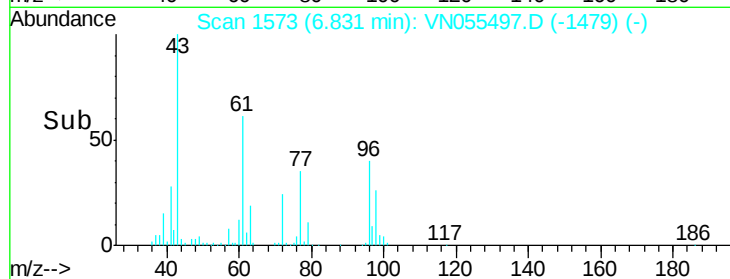
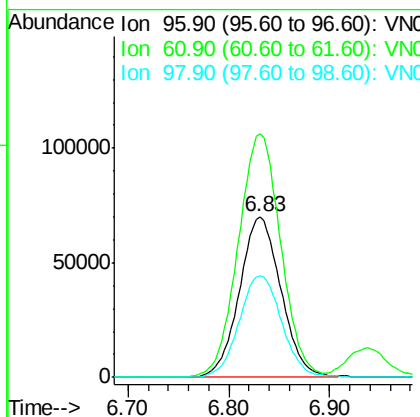
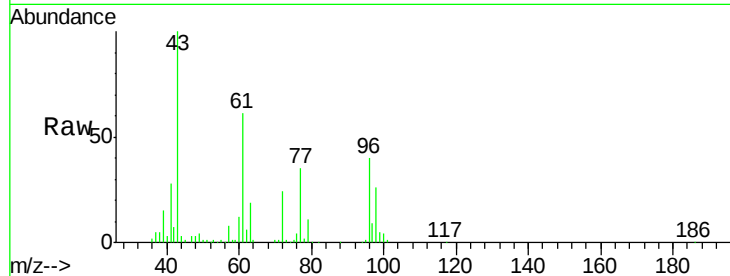
#27
 cis-1,2-Dichloroethene
 Concen: 20.761 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	199918		
61	155.5	0.0	310.8	
98	65.2	0.0	129.4	

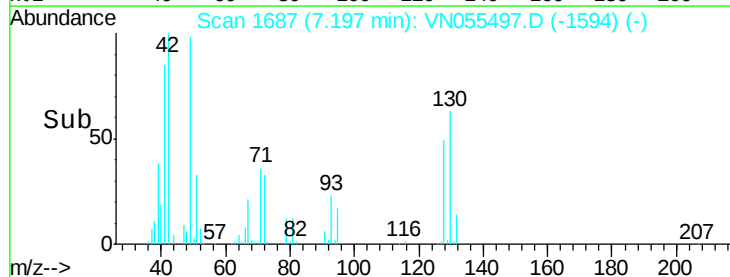
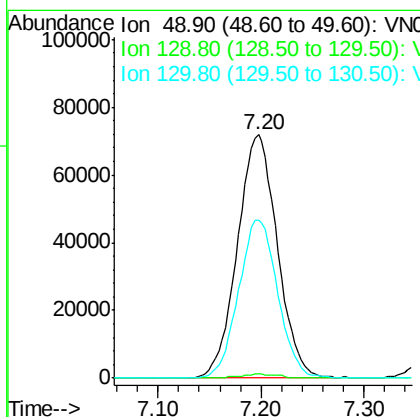
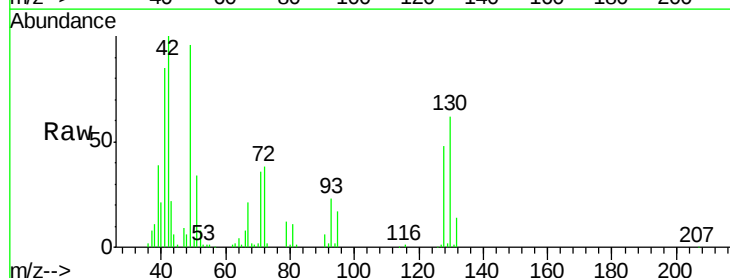
Manual Integrations
 APPROVED

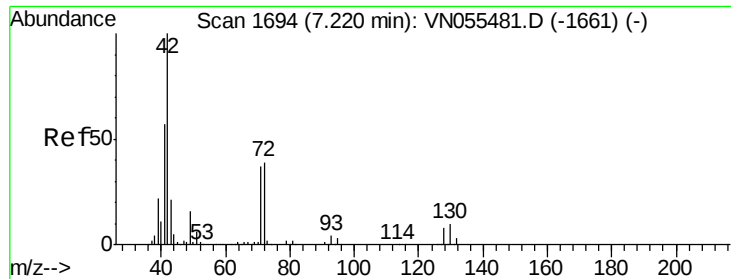
MMDadoda
 5/10/2019 12:43:41 PM



#28
 Bromochloromethane
 Concen: 21.580 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	193534		
129	1.6	0.0	3.2	
130	63.7	49.5	74.3	





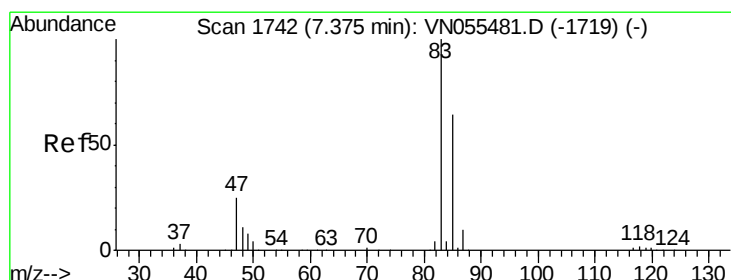
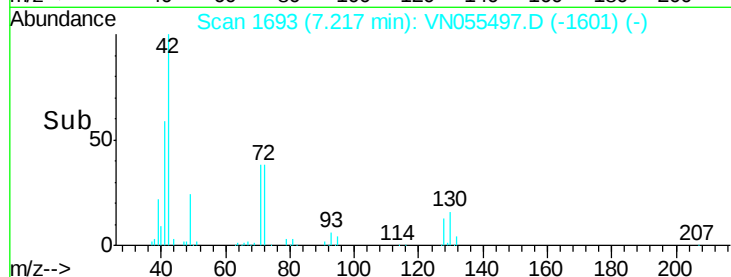
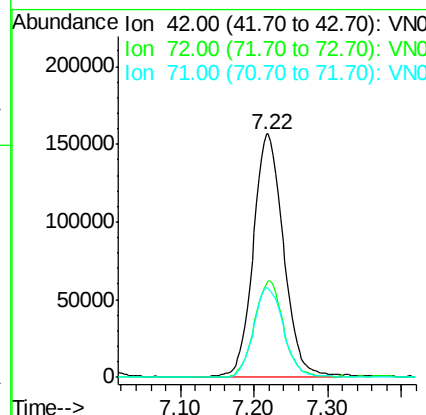
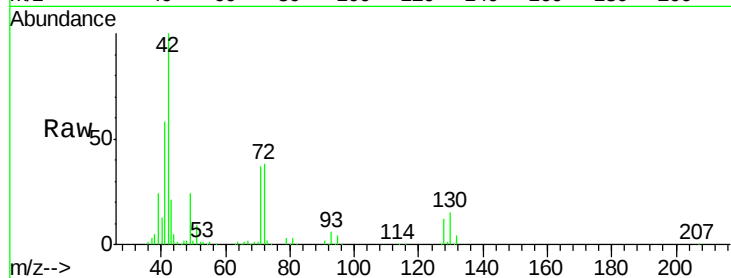
#29
Tetrahydrofuran
Concen: 99.900 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	31.0	46.6
71	36.8	29.4	44.2

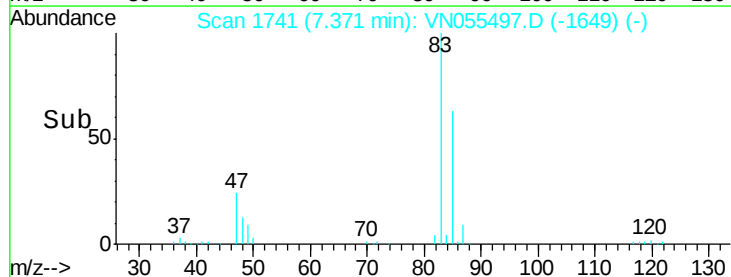
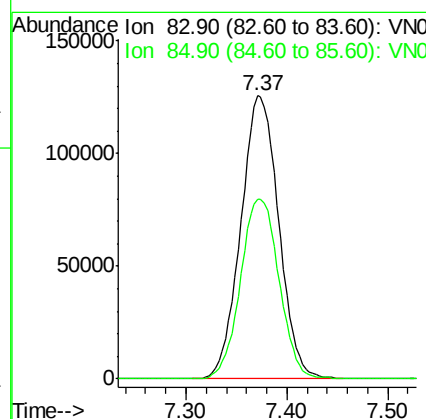
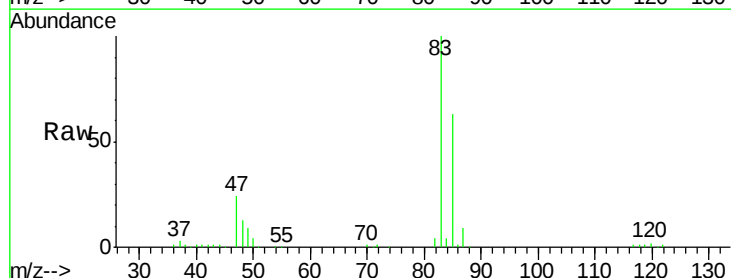
Manual Integrations
APPROVED

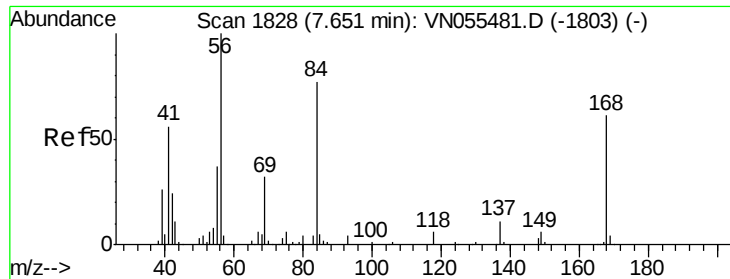
MMDadoda
5/10/2019 12:43:41 PM



#30
Chloroform
Concen: 20.511 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.3	76.9





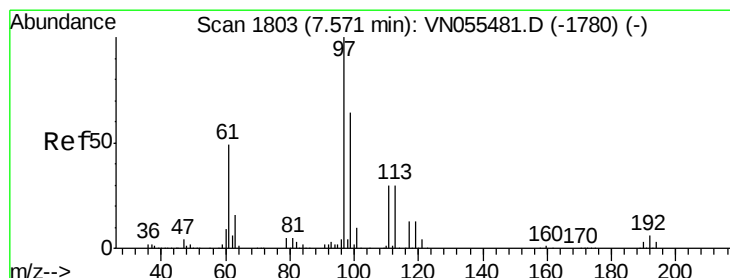
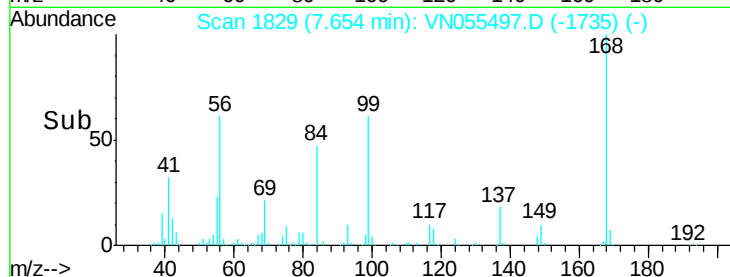
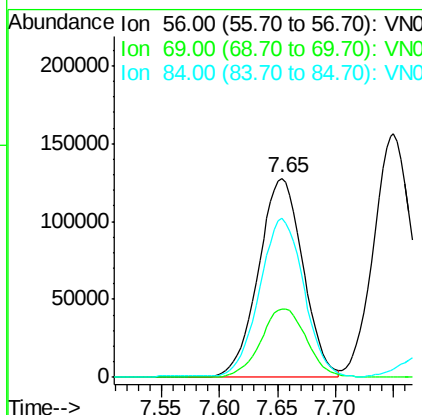
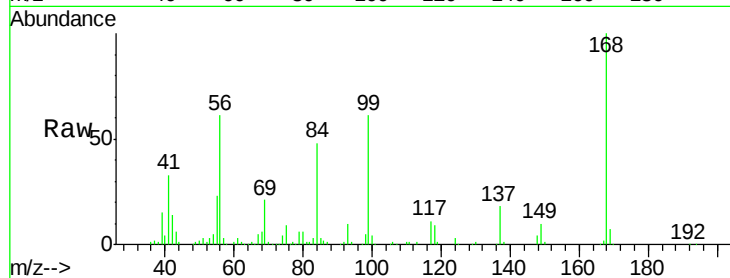
#31
Cyclohexane
Concen: 19.972 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.1	26.0	39.0
84	78.5	61.9	92.9

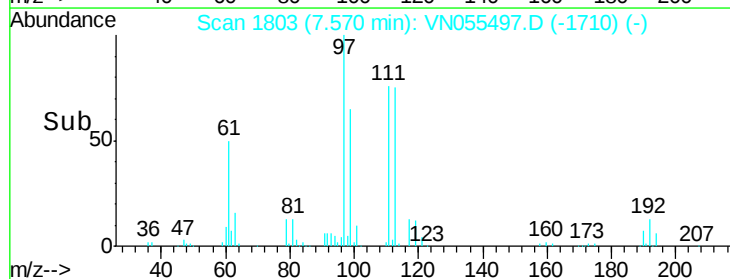
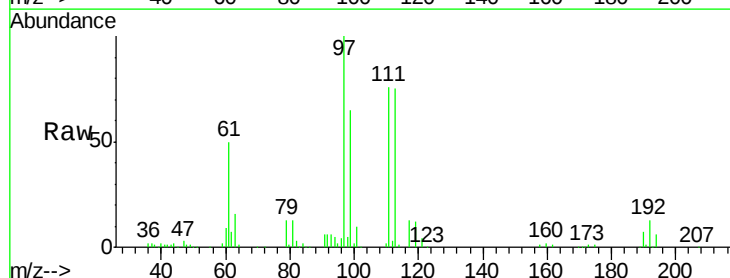
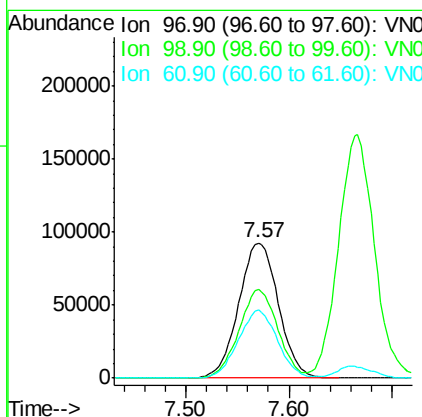
Manual Integrations
APPROVED

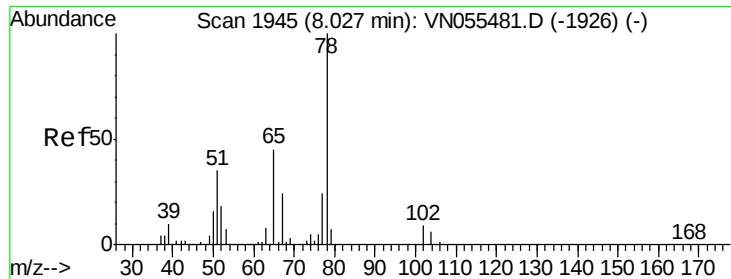
MMDadoda
5/10/2019 12:43:41 PM



#32
1,1,1-Trichloroethane
Concen: 20.377 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.2	76.8
61	49.6	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 50.379 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBSD01

Tot Ion: 65 Resp: 533366

Ion Ratio Lower Upper

65 100

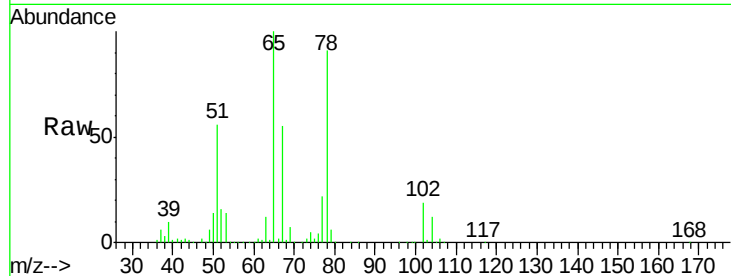
67 54.9 0.0 109.6

Manual Integrations

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MMDadoda

5/10/2019 12:43:41 PM



Abundance Ion 64.90 (64.60 to 65.60): VN055481.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN055481.D (-1926) (-)

8.03

250000

200000

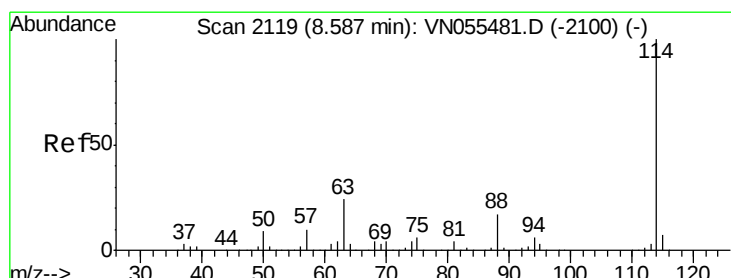
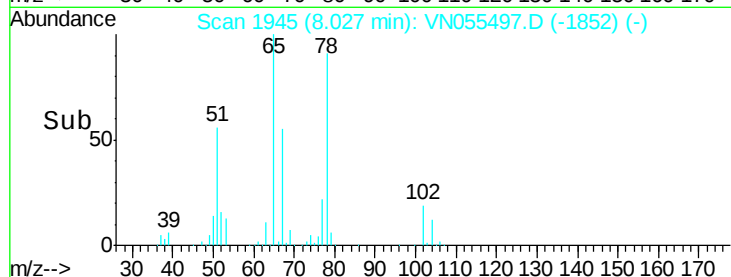
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

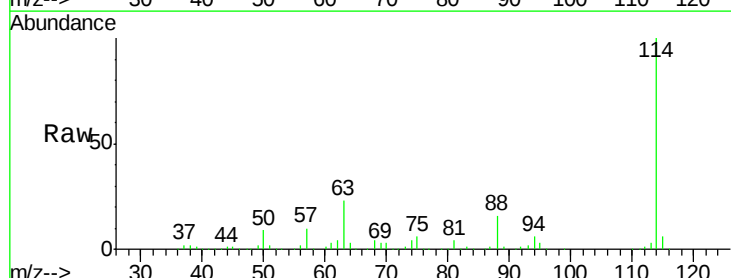
Tgt Ion: 114 Resp: 1234245

Ion Ratio Lower Upper

114 100

63 22.9 0.0 47.4

88 16.3 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): VN055481.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN055481.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN055481.D (-2100) (-)

8.59

800000

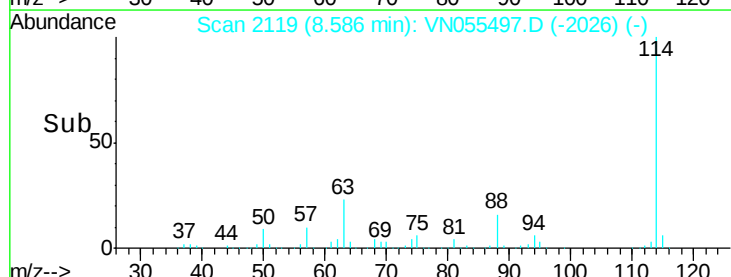
600000

400000

200000

0

Time-->





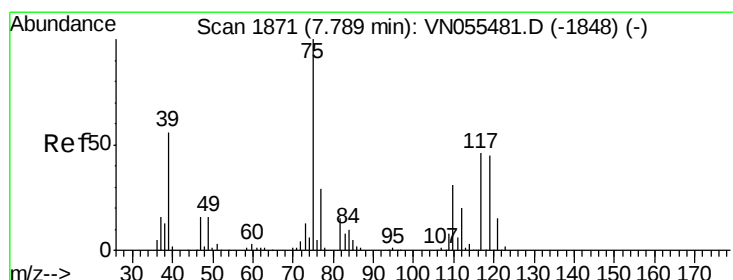
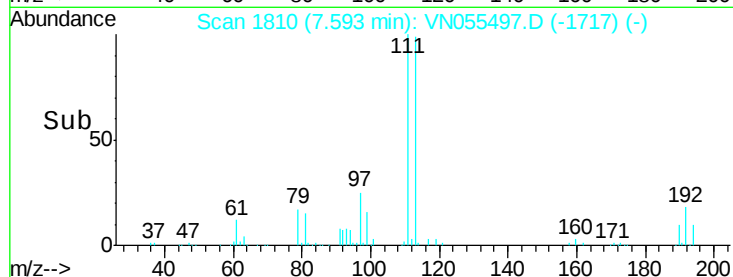
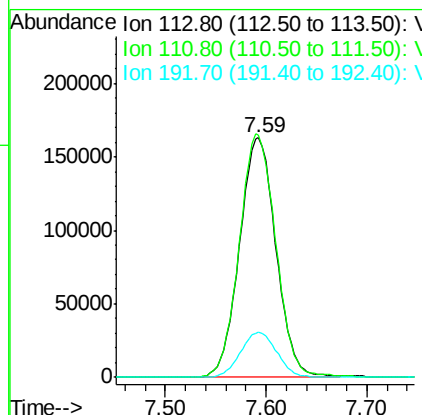
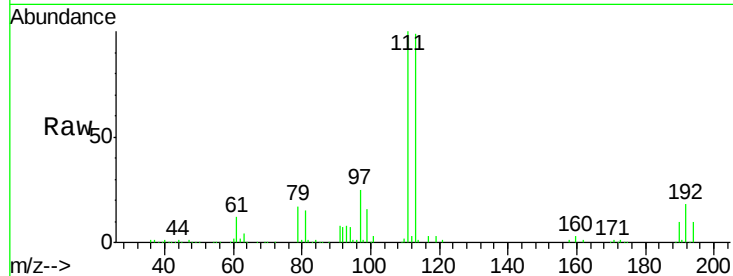
#35
 Dibromofluoromethane
 Concen: 51.205 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	82.9	124.3	
192	18.9	15.6	23.4	

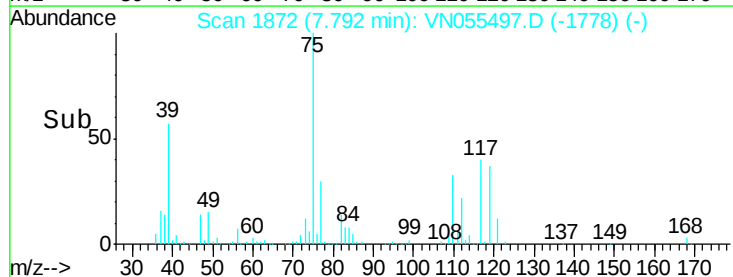
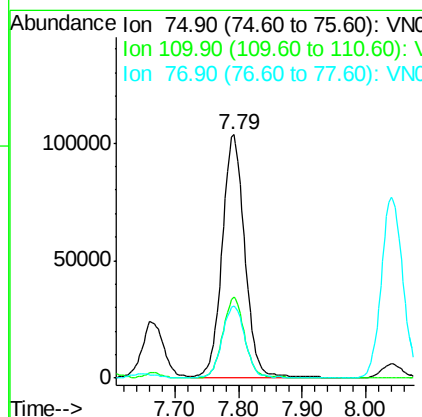
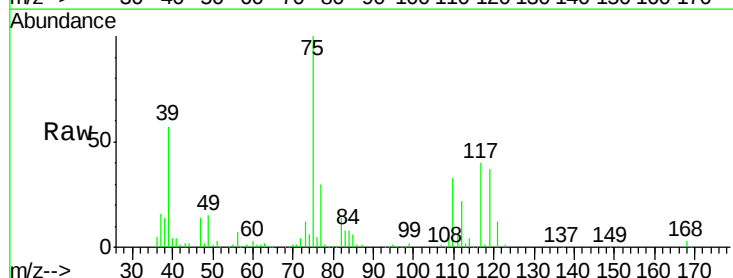
Manual Integrations
 APPROVED

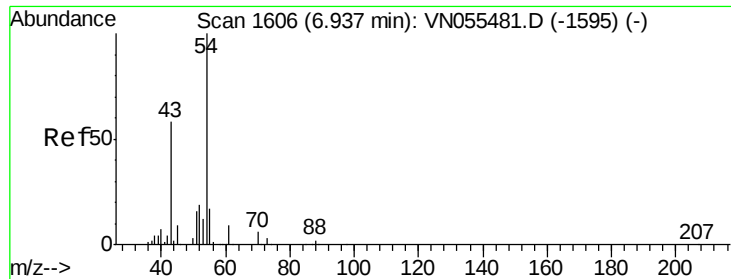
MMDadoda
 5/10/2019 12:43:41 PM



#36
 1,1-Dichloropropene
 Concen: 21.026 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.0	16.1	48.3	
77	30.2	24.6	37.0	





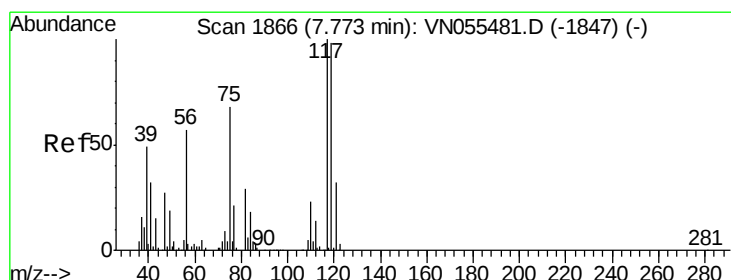
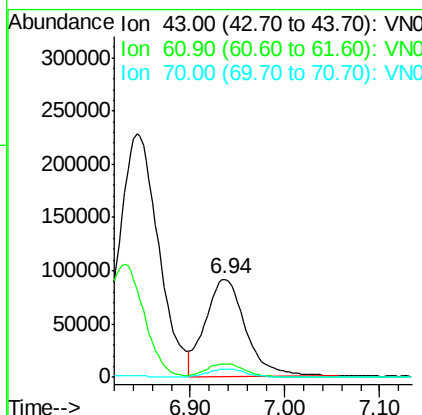
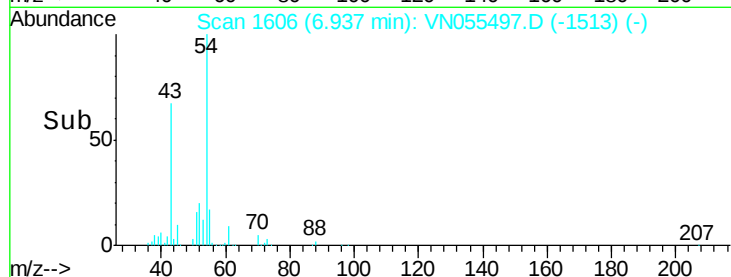
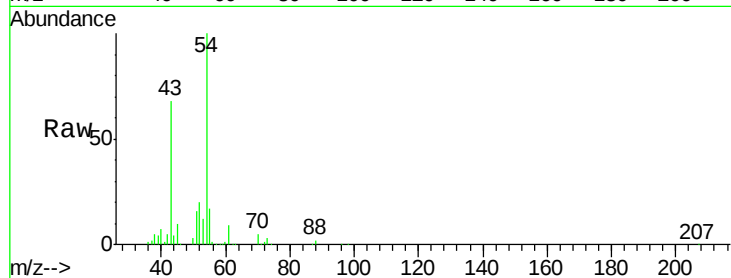
#37
Ethyl Acetate
Concen: 20.318 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampled :
VN0509MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	269503		
61	13.6		10.9	16.3
70	7.8		7.0	10.6

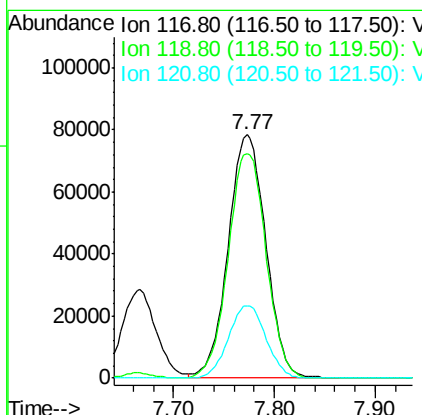
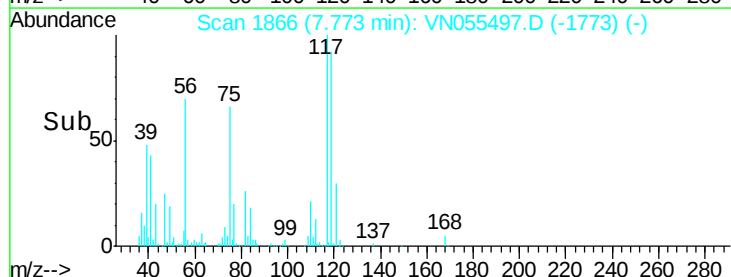
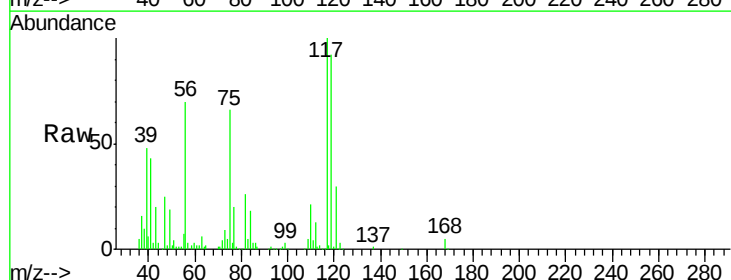
Manual Integrations
APPROVED

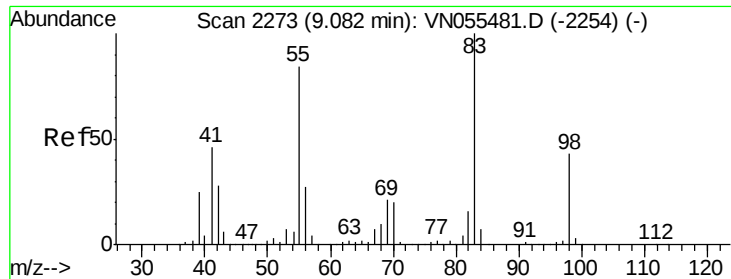
MMDadoda
5/10/2019 12:43:41 PM



#38
Carbon Tetrachloride
Concen: 19.708 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	201782		
119	92.5		77.8	116.6
121	29.9		25.2	37.8





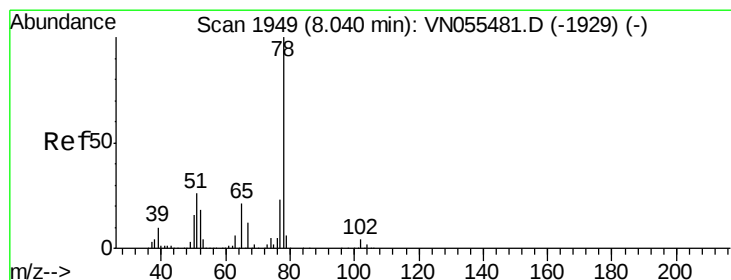
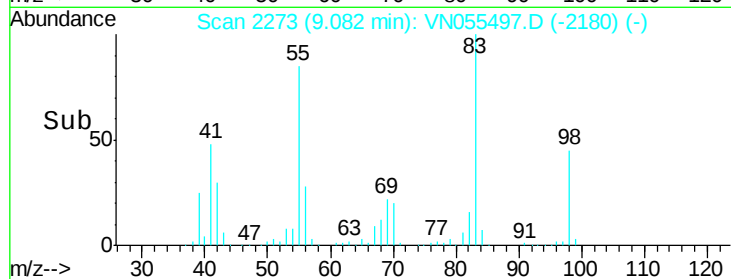
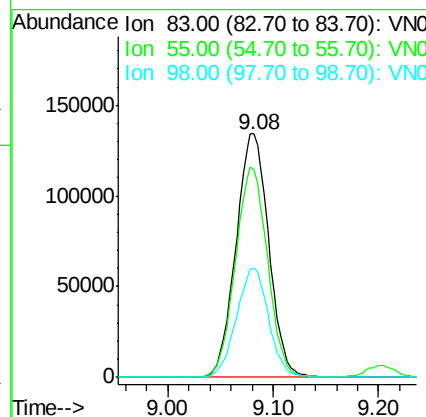
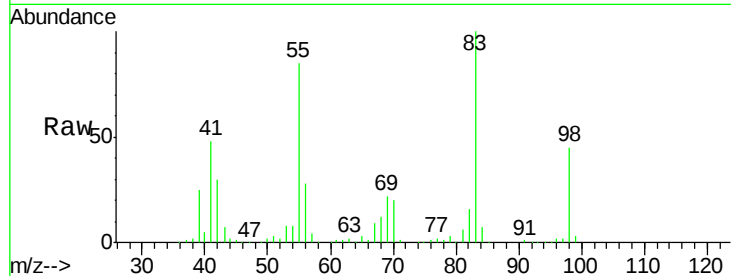
#39
Methvlcvclohexane
Concen: 19.520 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

Tot Ion	83	Resp	289399
Ion Ratio	100	Lower	Upper
83	100		
55	85.5	67.0	100.4
98	45.1	34.2	51.4

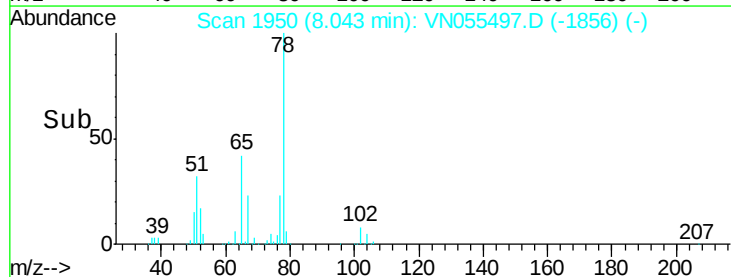
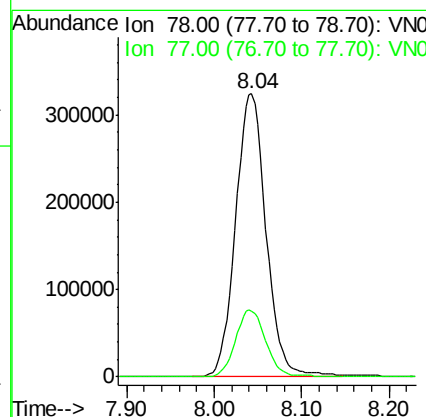
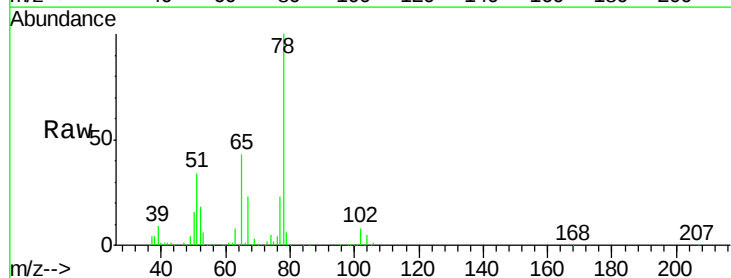
Manual Integrations
APPROVED

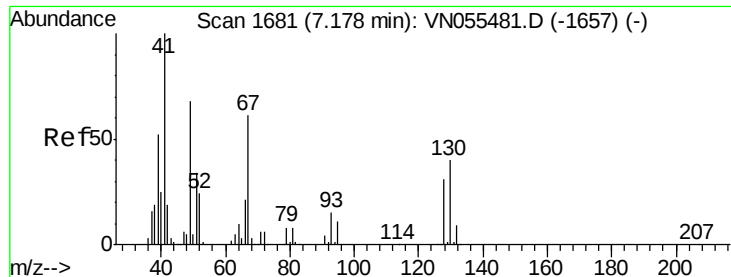
MMDadoda
5/10/2019 12:43:41 PM



#40
Benzene
Concen: 20.813 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion	78	Resp	785424
Ion Ratio	100	Lower	Upper
78	100		
77	23.4	18.6	27.8





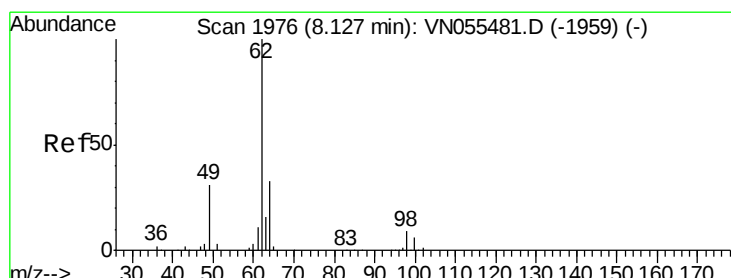
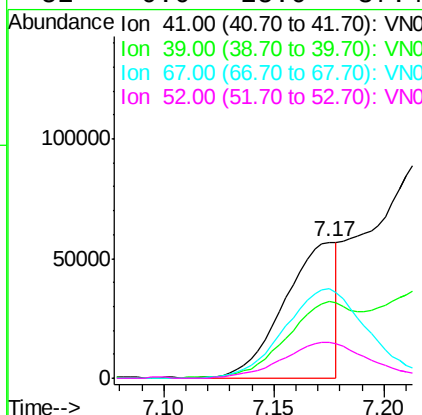
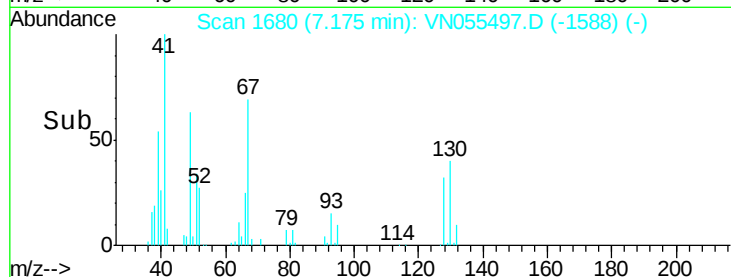
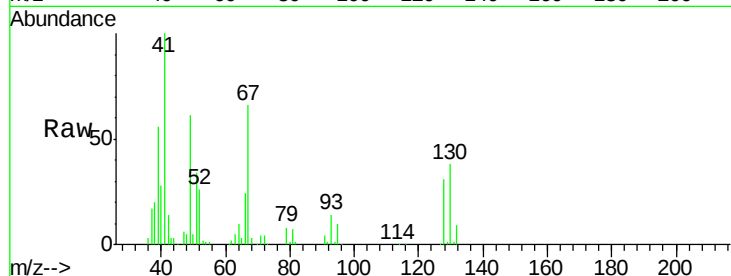
#41
Methacrylonitrile
Concen: 15.358 ug/l m
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.7	67.1#
67	0.0	61.4	92.0#
52	0.0	25.0	37.4#

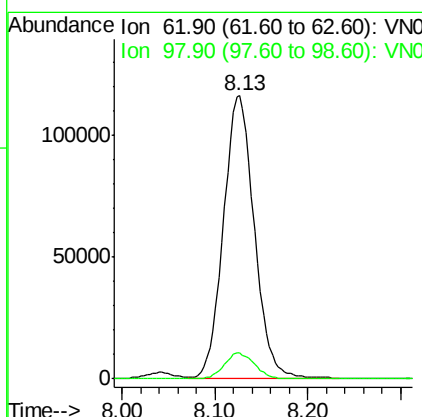
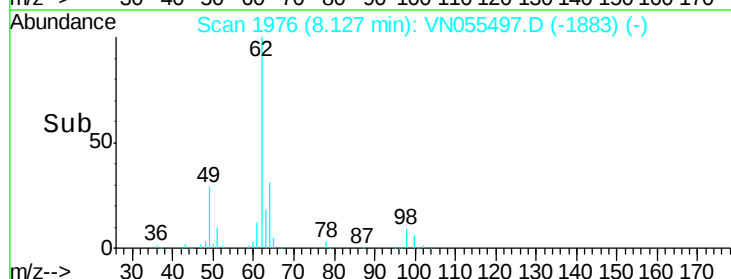
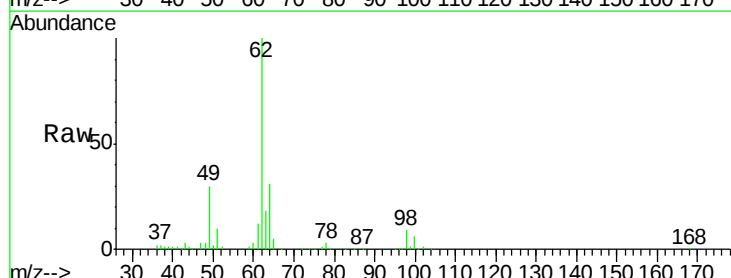
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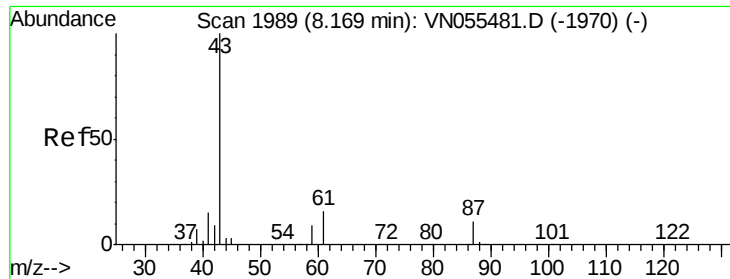
MMDadoda
5/10/2019 12:43:41 PM



#42
1,2-Dichloroethane
Concen: 20.206 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.4





#43

Isopropyl Acetate

Concen: 19.440 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

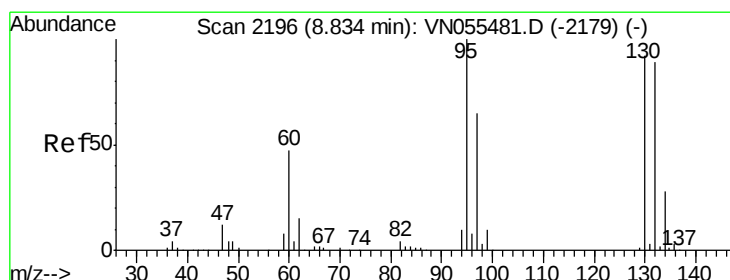
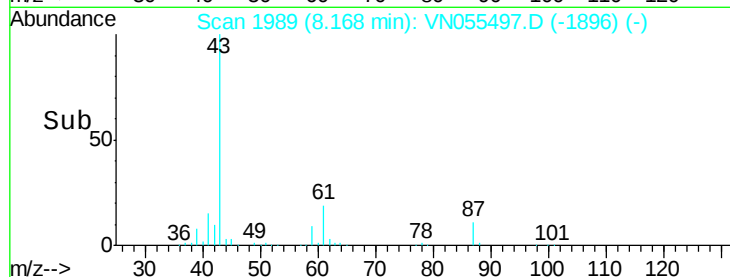
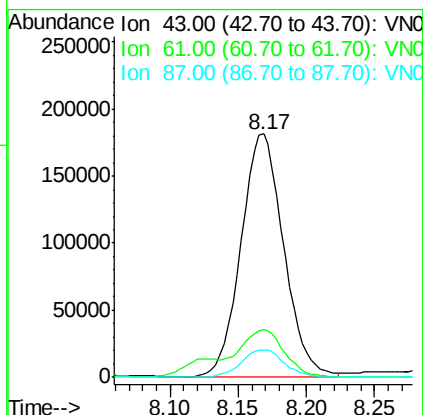
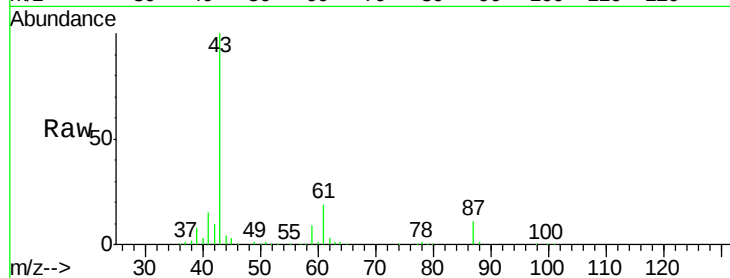
ClientSampleId :

VN0509MBSD01

Tot Ion:	43	Resp:	391735
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.1	22.7
87	11.5	9.0	13.6

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#44

Trichloroethene

Concen: 20.453 ug/l

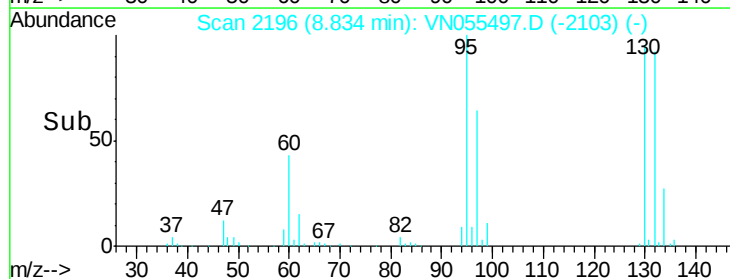
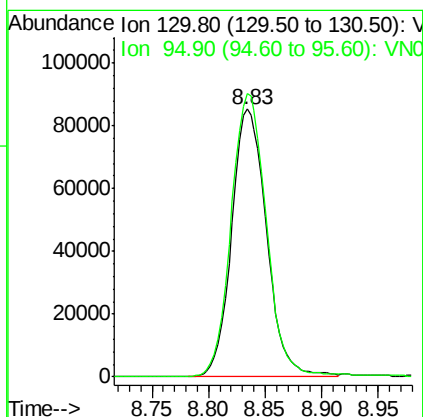
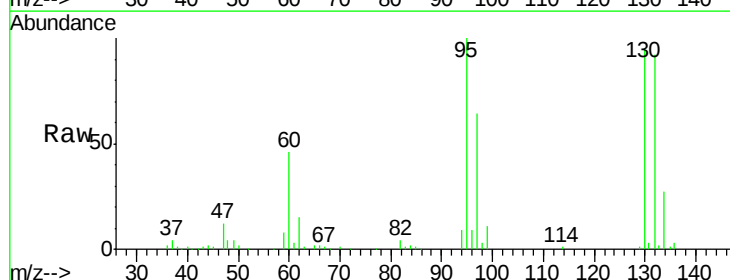
RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Tgt Ion:	130	Resp:	183653
Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	216.8





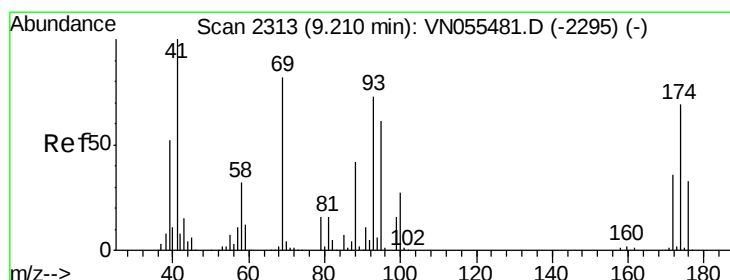
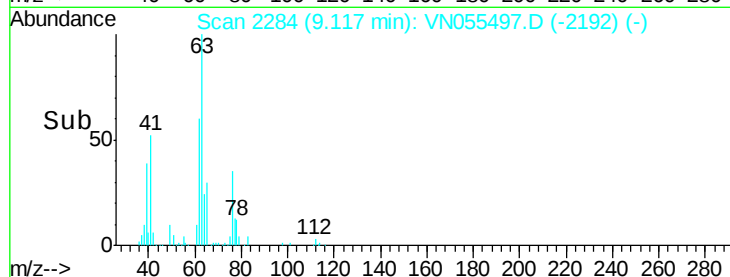
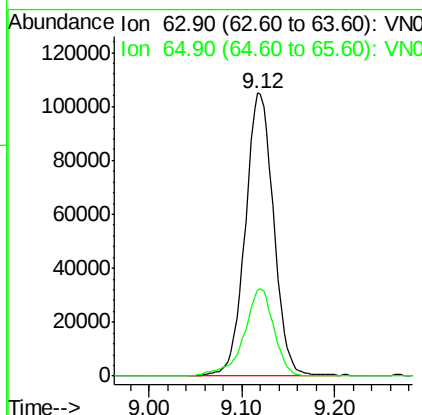
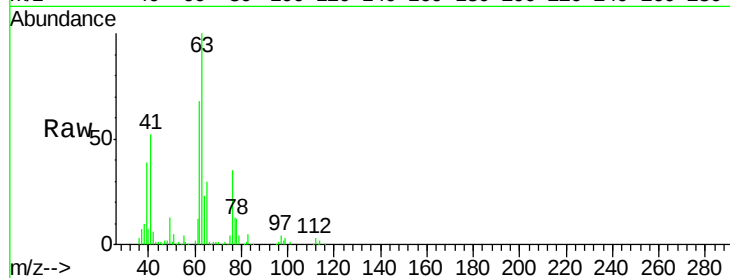
#45
 1,2-Dichloropropane
 Concen: 20.672 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	223211		
65	30.4		24.1	36.1

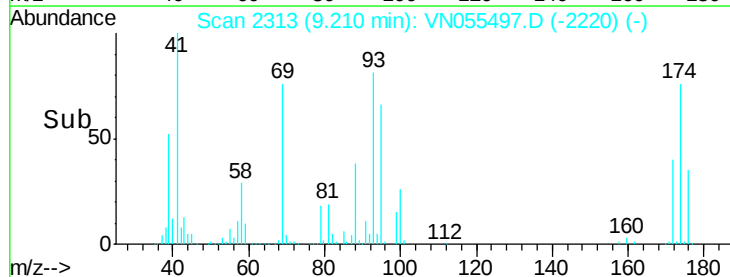
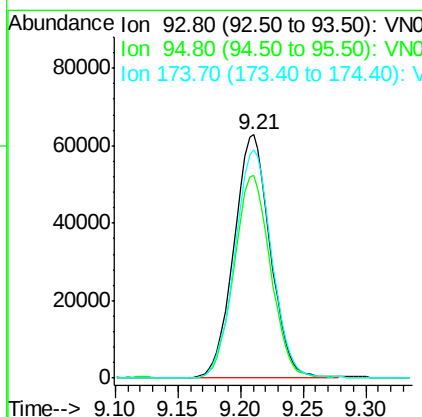
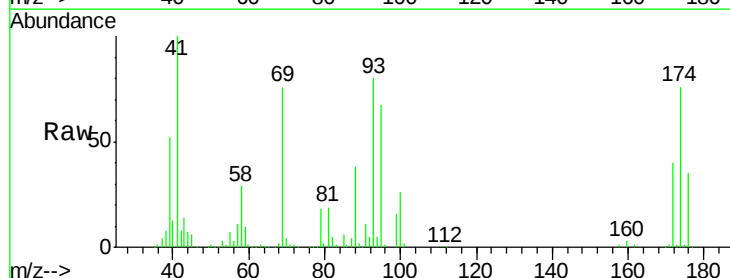
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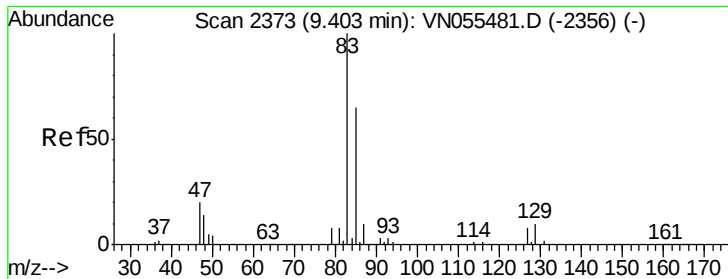
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#46
 Dibromomethane
 Concen: 20.270 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	126865		
95	83.5		64.8	97.2
174	95.0		75.0	112.6





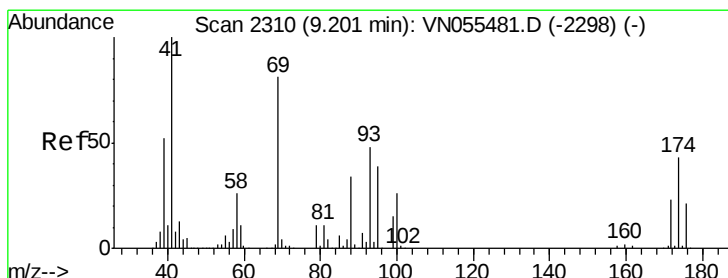
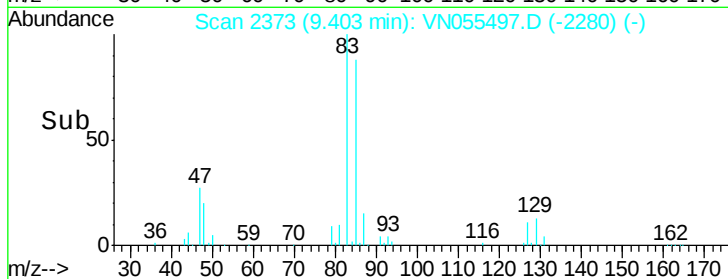
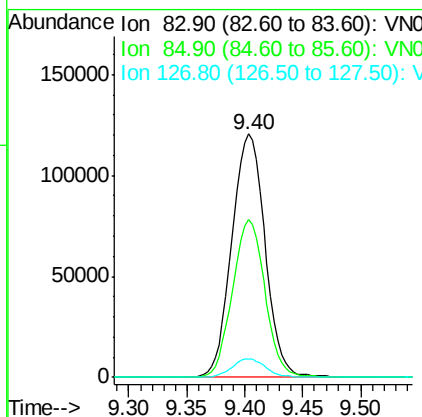
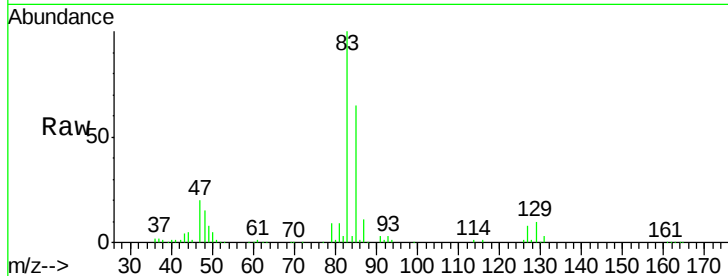
#47
Bromodichloromethane
Concen: 20.020 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

Tot Ion	83	Resp	239707
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	52.2	78.2
127	7.7	6.5	9.7

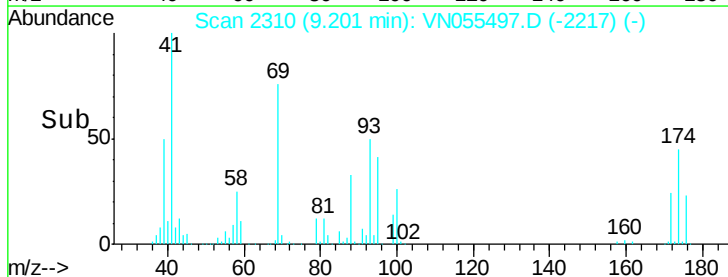
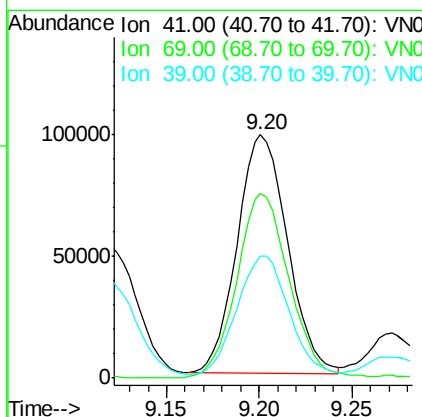
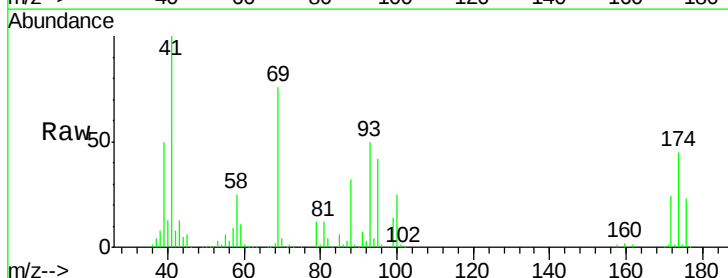
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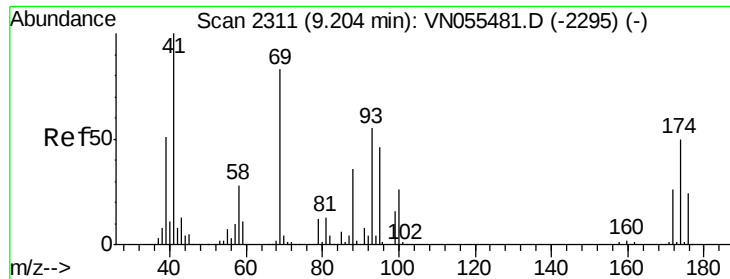
MMDadoda
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#48
Methyl methacrylate
Concen: 19.009 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion	41	Resp	184555
Ion Ratio	100	Lower	Upper
41	100		
69	80.3	64.2	96.2
39	53.7	41.6	62.4





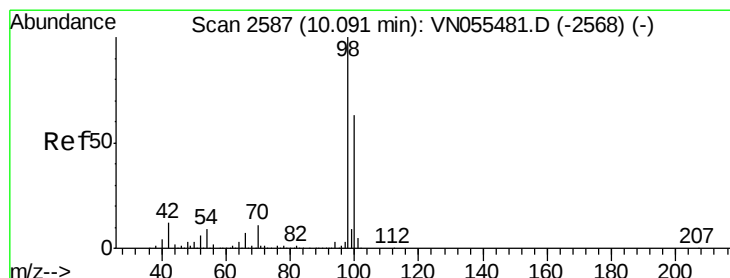
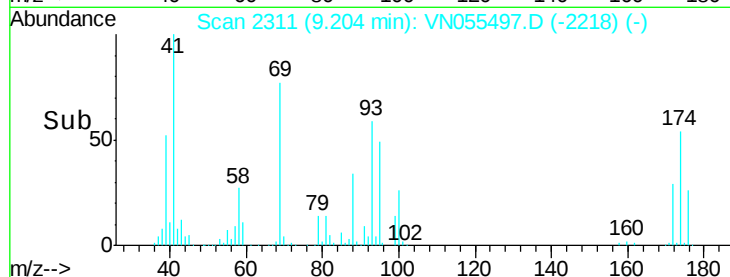
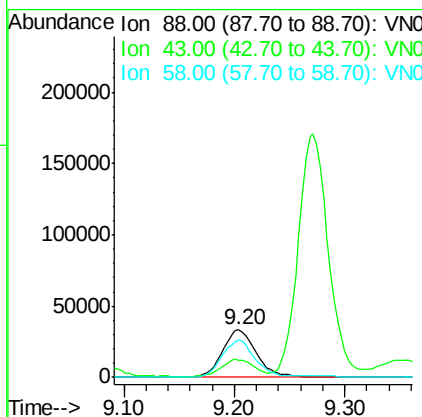
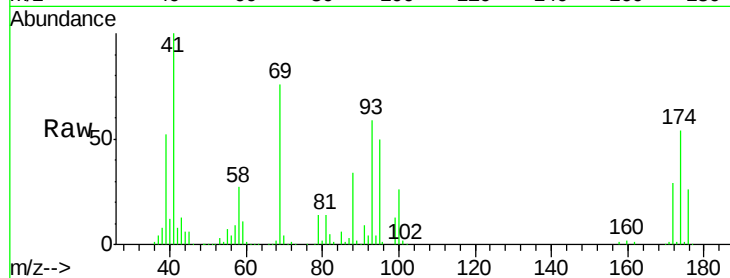
#49
 1,4-Dioxane
 Concen: 379.161 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBSD01

Tot Ion: 88 Resp: 71749
 Ion Ratio Lower Upper
 88 100
 43 34.4 27.8 41.8
 58 75.7 61.8 92.6

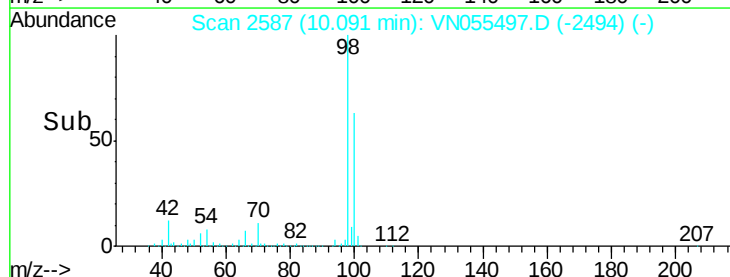
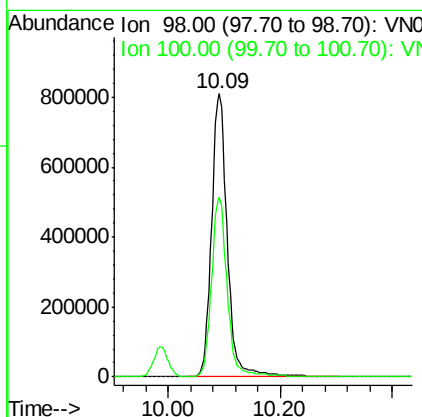
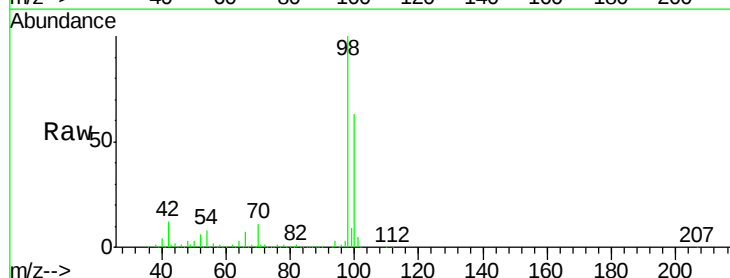
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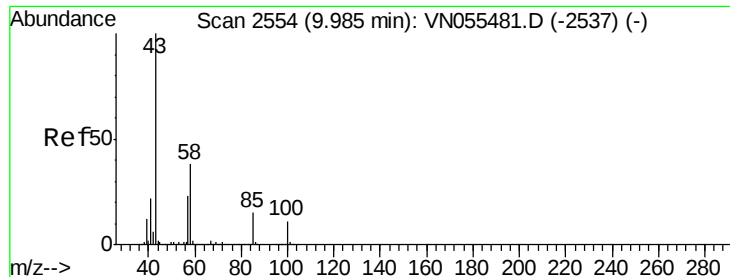
MMDadoda
 5/10/2019 12:43:41 PM



#50
 Toluene-d8
 Concen: 51.248 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Tgt Ion: 98 Resp: 1590055
 Ion Ratio Lower Upper
 98 100
 100 62.9 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 96.917 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBSD01

Tot Ion: 43 Resp: 1284456

Ion Ratio Lower Upper

43 100

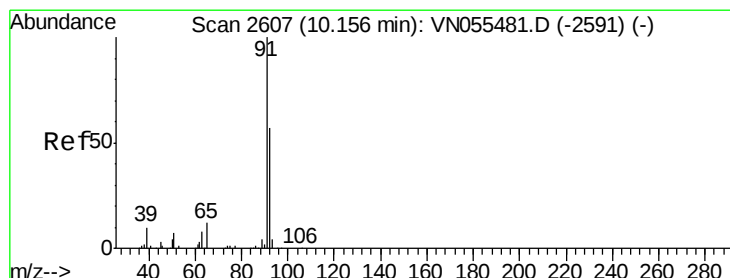
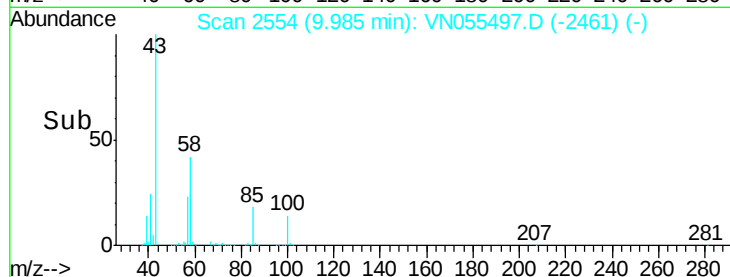
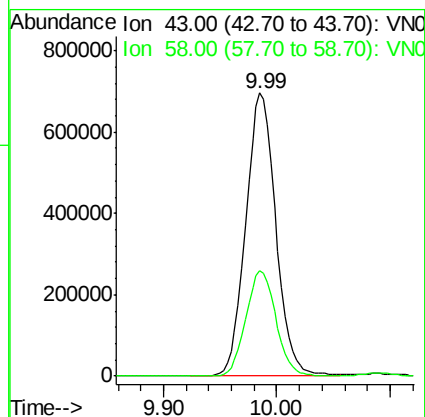
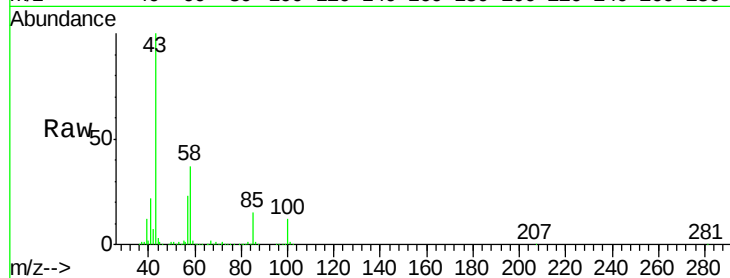
58 37.4 29.9 44.9

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5/10/2019 12:43:41 PM



#52

Toluene

Concen: 20.722 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055497.D

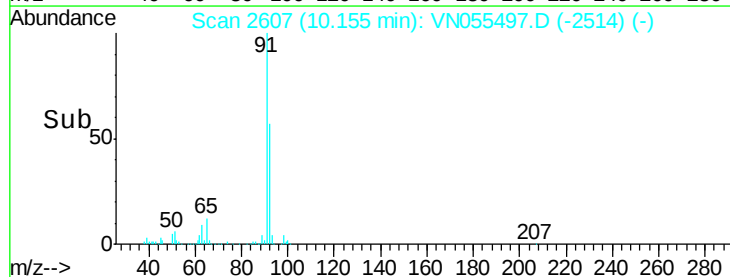
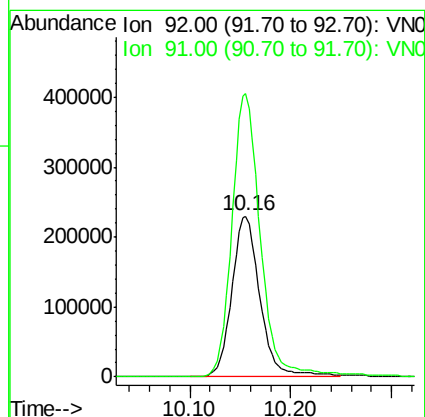
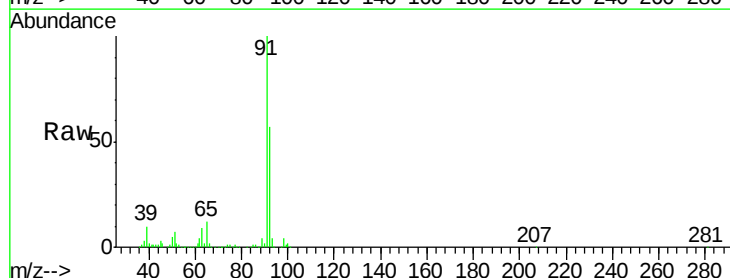
Acq: 9 May 2019 15:14

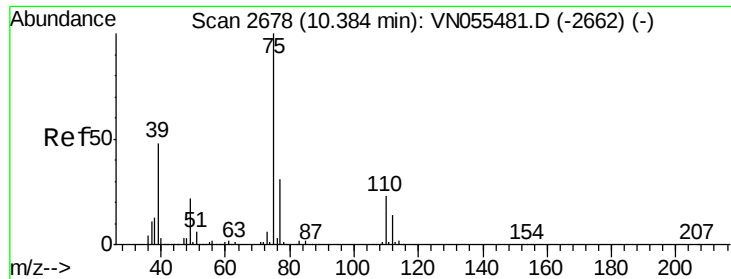
Tgt Ion: 92 Resp: 447058

Ion Ratio Lower Upper

92 100

91 180.3 140.5 210.7





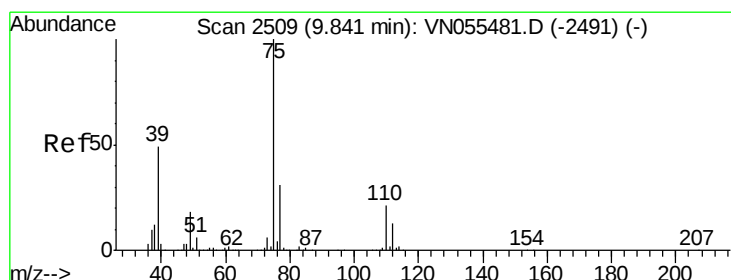
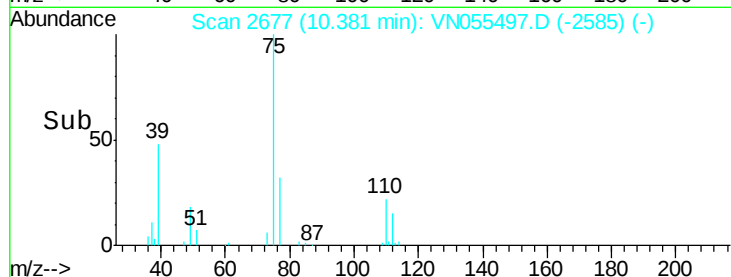
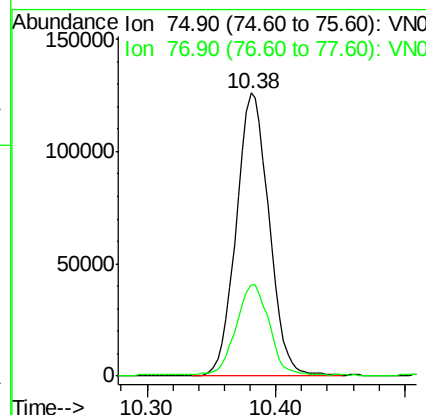
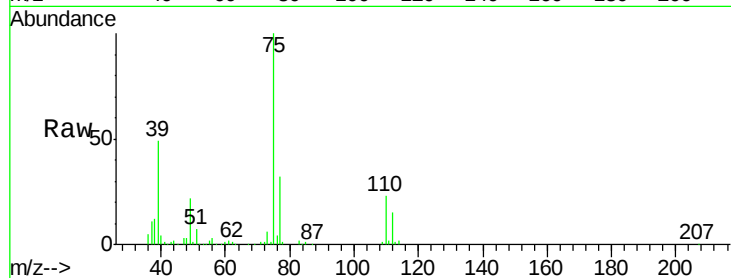
#53
t-1,3-Dichloropropene
Concen: 19.403 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

Tot Ion: 75 Resp: 223127
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7

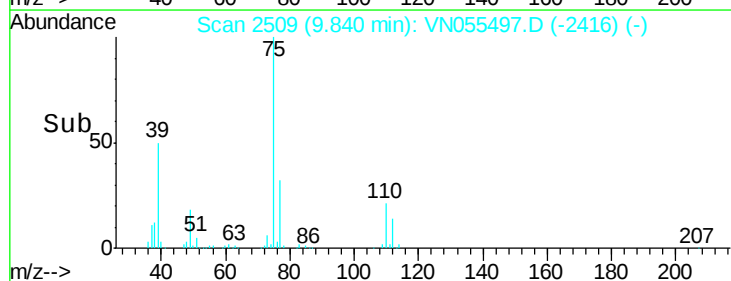
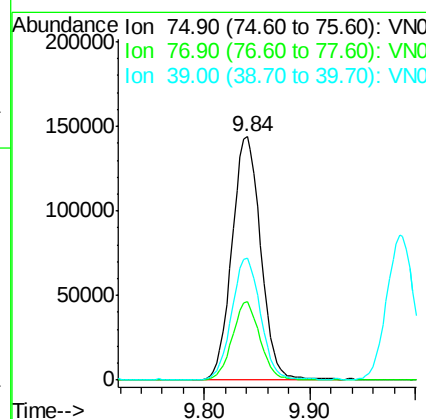
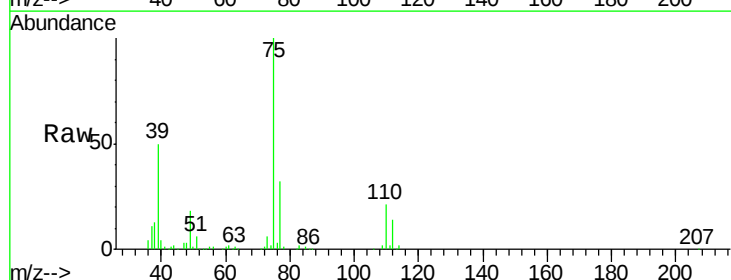
Manual Integrations
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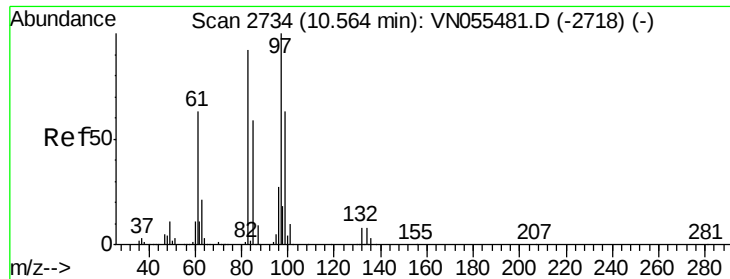
MMDadoda
5/10/2019 12:43:41 PM



#54
cis-1,3-Dichloropropene
Concen: 19.859 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion: 75 Resp: 272893
Ion Ratio Lower Upper
75 100
77 32.1 24.4 36.6
39 49.9 39.5 59.3





#55

1,1,2-Trichloroethane

Concen: 20.604 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

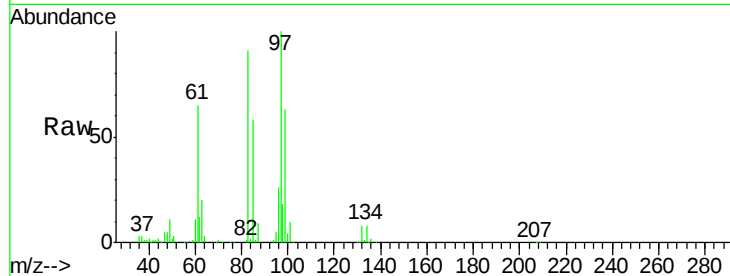
ClientSampleId :

VN0509MBSD01

Tot Ion:	97	Resp:	180102
Ion	Ratio	Lower	Upper
97	100		
83	91.2	73.2	109.8
85	57.8	47.5	71.3
99	62.7	50.2	75.2

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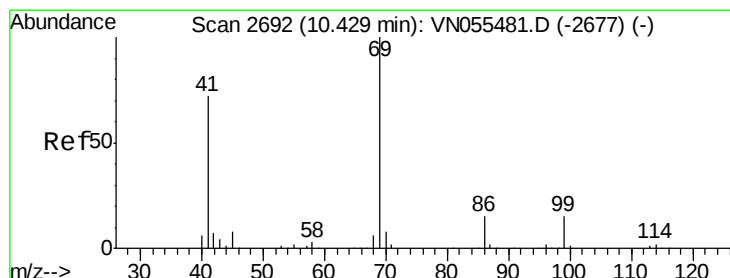
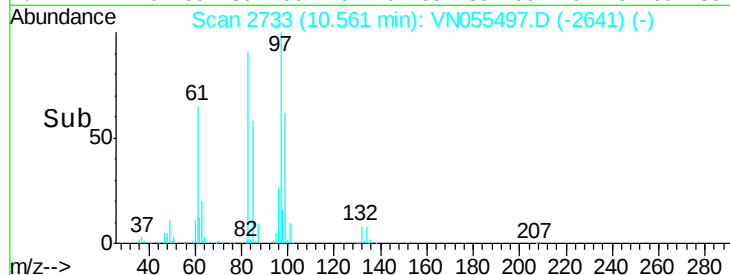
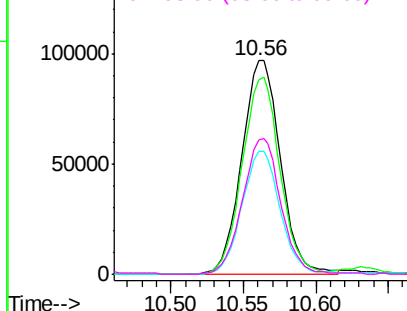


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.294 ug/l

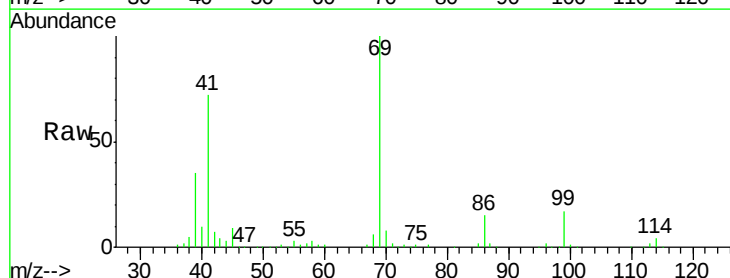
RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

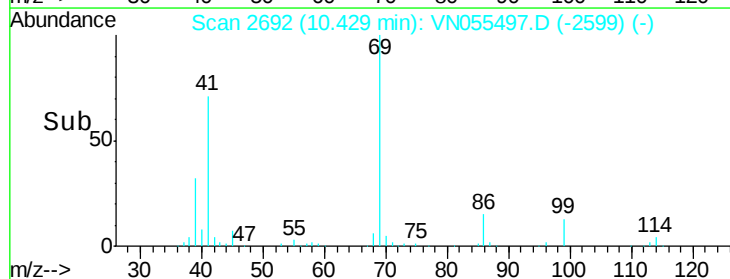
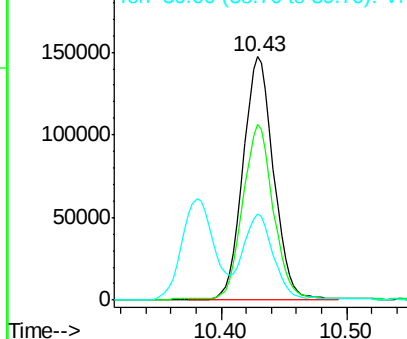
Tgt Ion:	69	Resp:	250859
Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.2	84.2
39	34.5	27.8	41.6

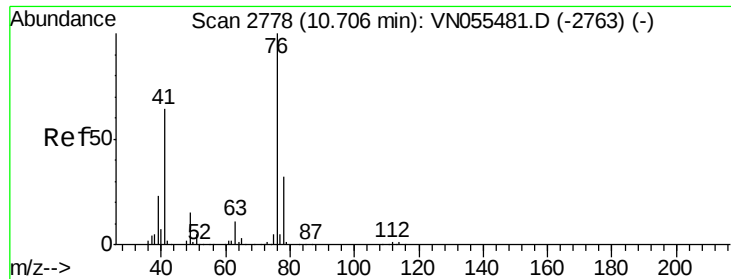


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





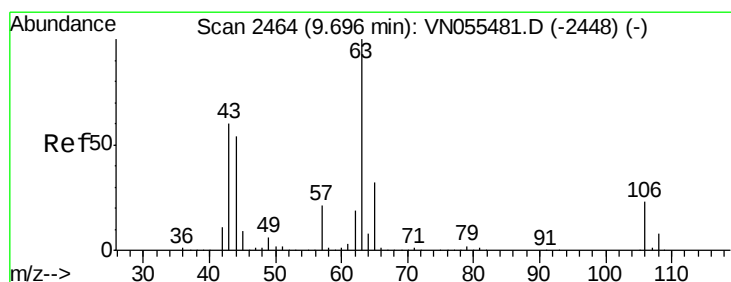
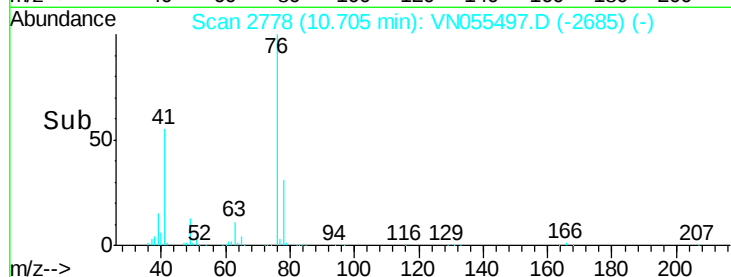
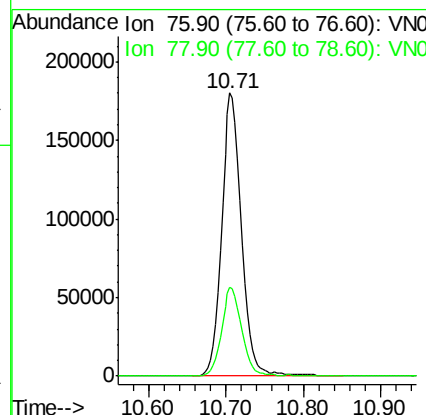
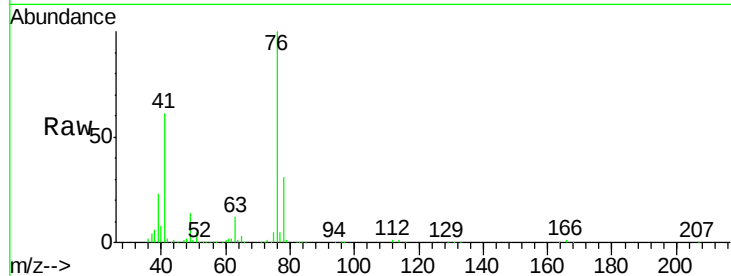
#57
 1,3-Dichloropropane
 Concen: 20.953 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0509MBSD01

Tot Ion: 76 Resp: 325165
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6

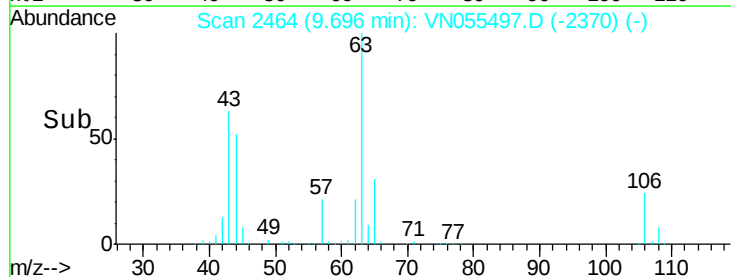
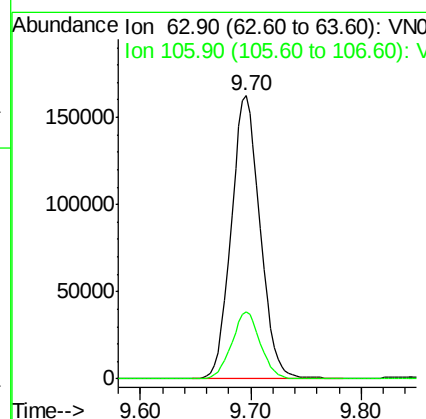
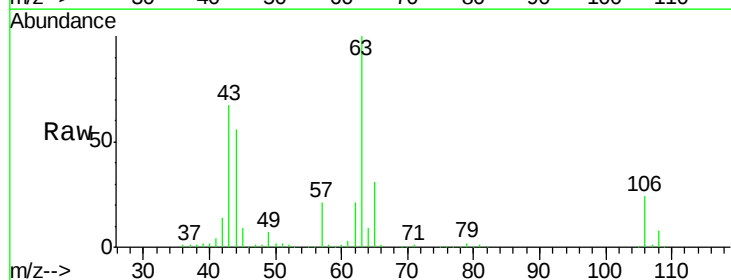
Manual Integrations
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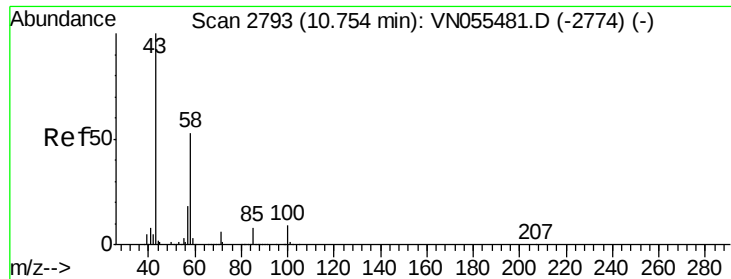
MMDadoda
 5/10/2019 12:43:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 76.514 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Tgt Ion: 63 Resp: 294892
 Ion Ratio Lower Upper
 63 100
 106 23.6 18.6 27.8





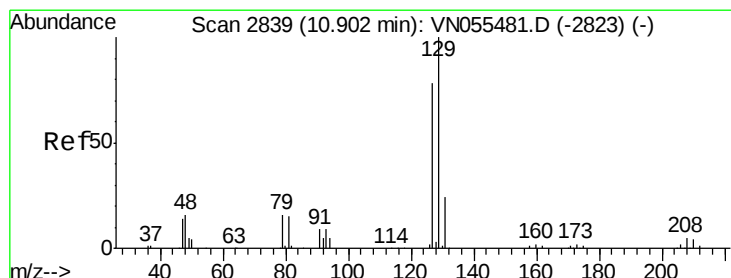
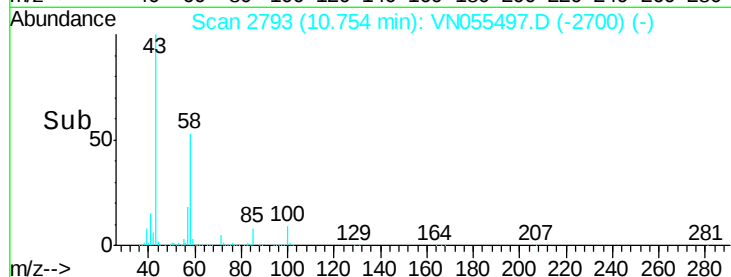
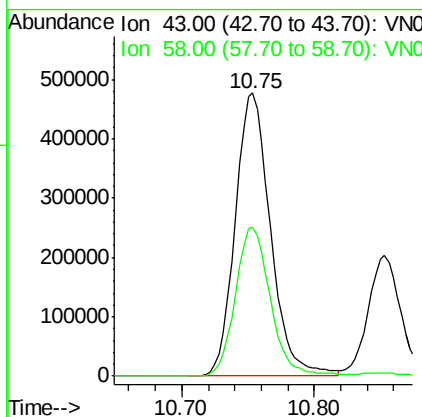
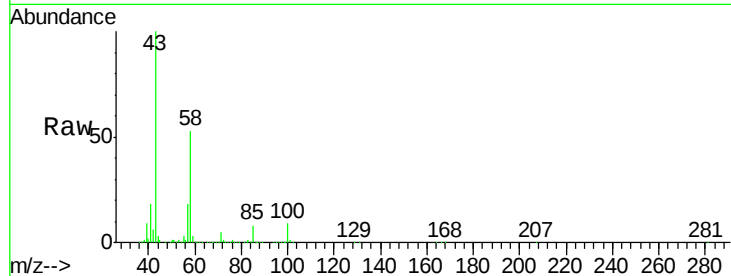
#59
2-Hexanone
Concen: 94.498 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

Tot Ion: 43 Resp: 878303
Ion Ratio Lower Upper
43 100
58 52.5 26.4 79.0

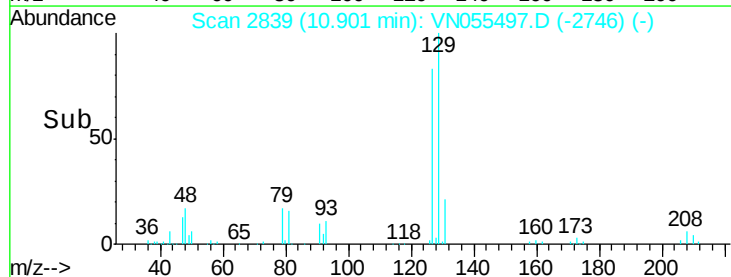
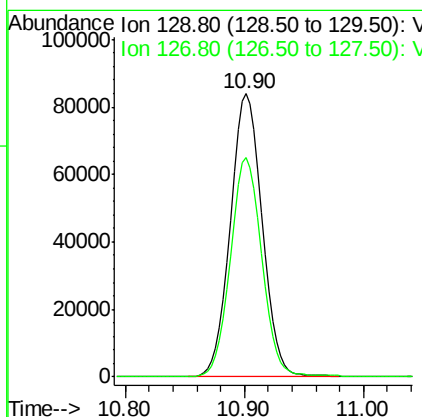
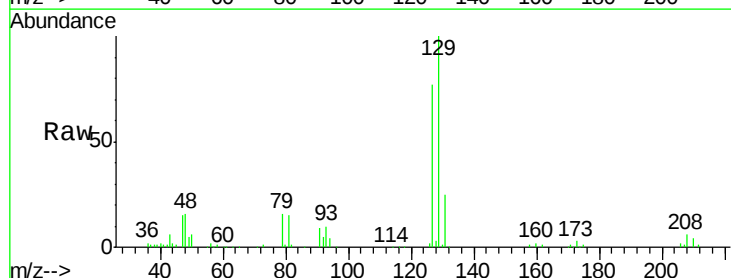
Manual Integrations
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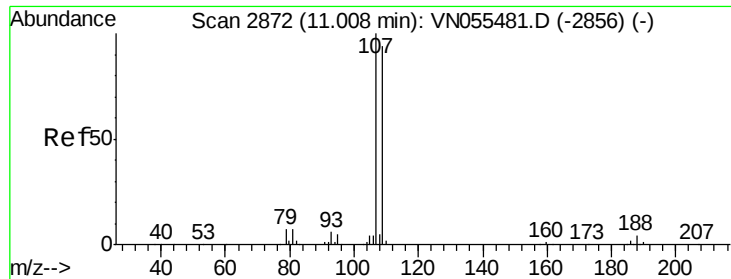
MMDadoda
5/10/2019 12:43:41 PM



#60
Dibromochloromethane
Concen: 19.609 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion: 129 Resp: 155844
Ion Ratio Lower Upper
129 100
127 76.7 38.6 116.0





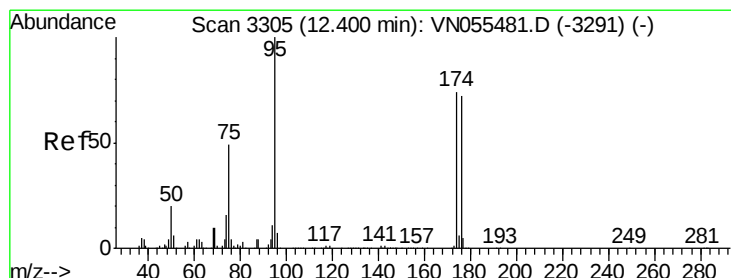
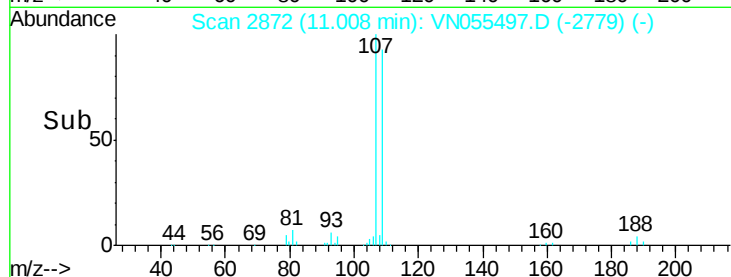
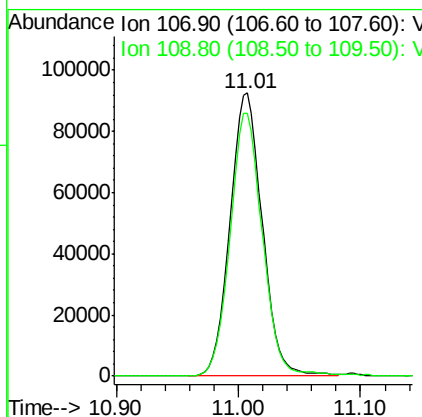
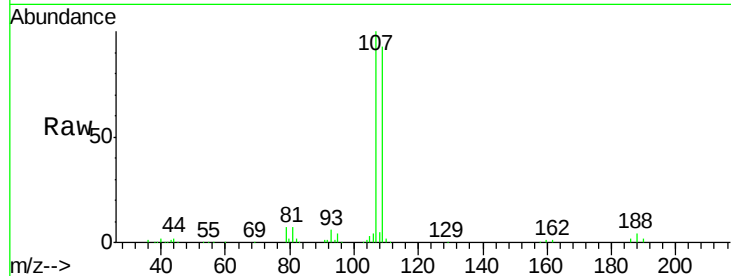
#61
 1,2-Dibromoethane
 Concen: 20.285 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBSD01

Tot Ion: 107 Resp: 170365
 Ion Ratio Lower Upper
 107 100
 109 93.7 74.2 111.4

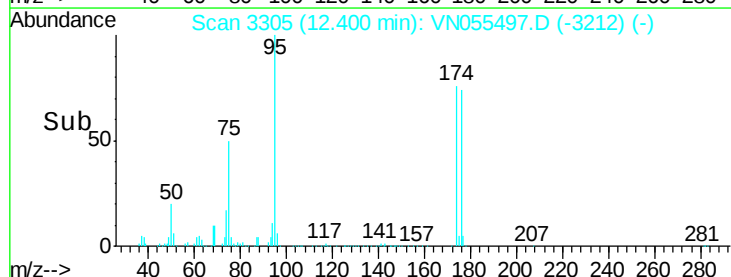
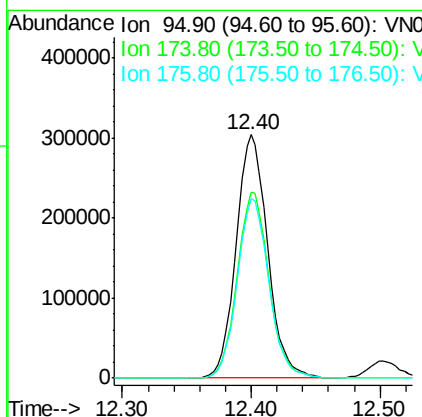
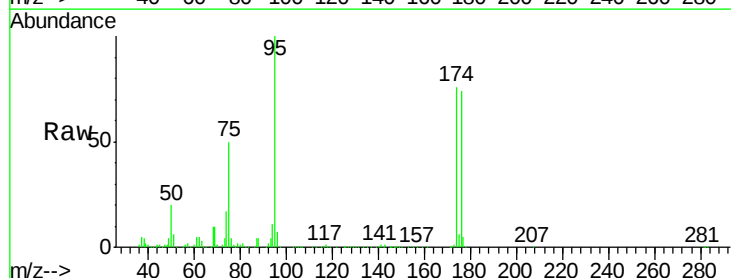
Manual Integrations
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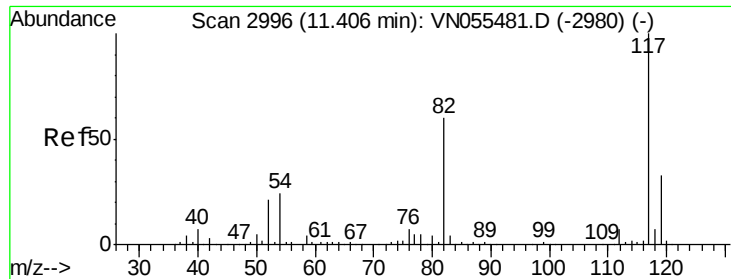
MMDadoda
 5/10/2019 12:43:41 PM



#62
 4-Bromofluorobenzene
 Concen: 49.434 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Tgt Ion: 95 Resp: 517168
 Ion Ratio Lower Upper
 95 100
 174 77.0 0.0 152.2
 176 74.0 0.0 147.8





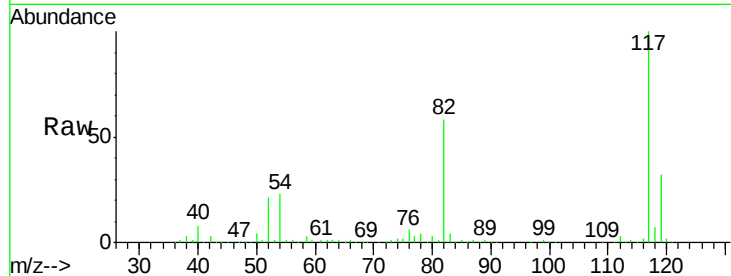
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

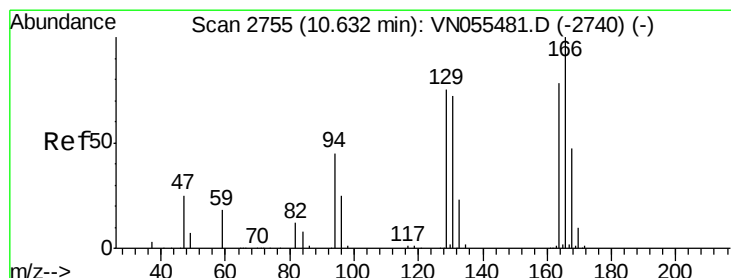
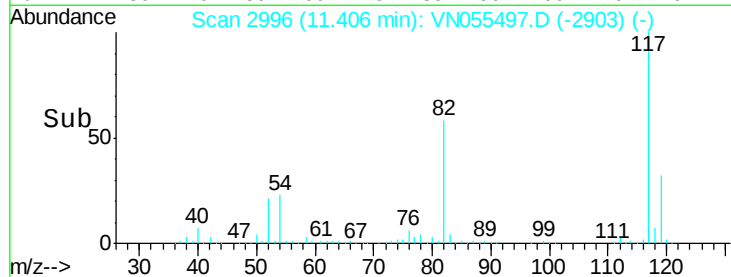
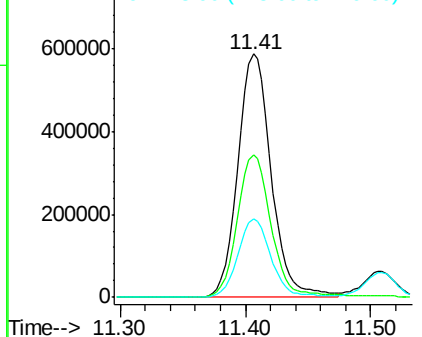
Tot Ion:117 Resp: 1085780
Ion Ratio Lower Upper
117 100
82 58.4 48.0 72.0
119 32.2 26.0 39.0

Manual Integrations
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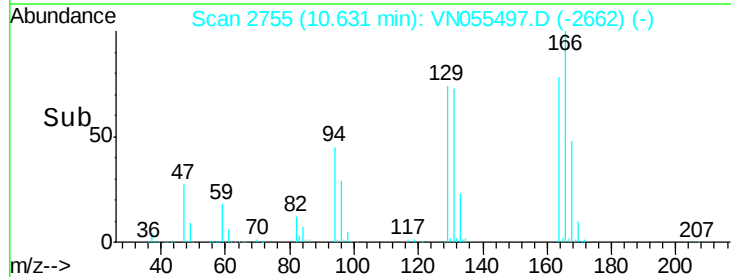
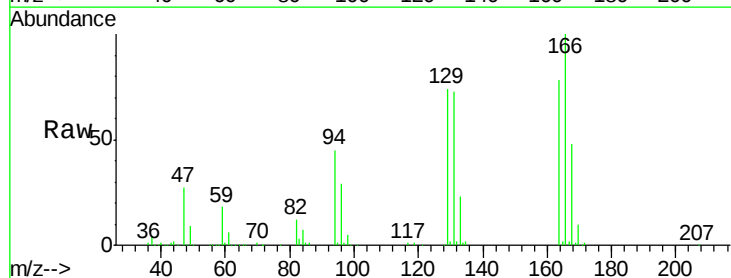
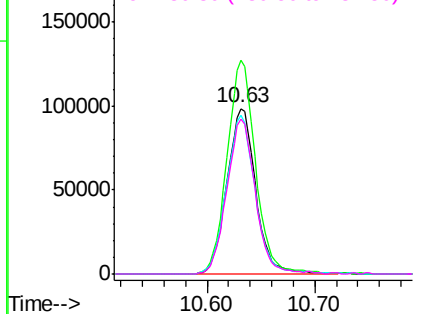
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

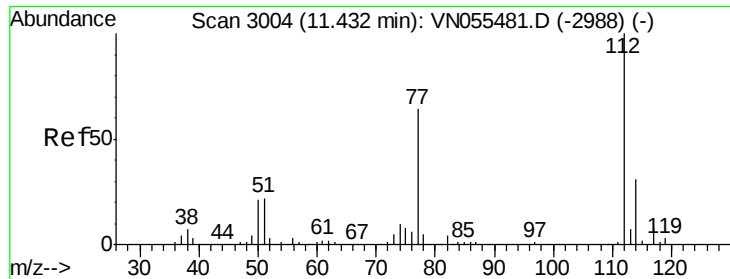


#64
Tetrachloroethene
Concen: 20.641 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion:164 Resp: 183642
Ion Ratio Lower Upper
164 100
166 128.9 102.6 153.8
129 95.9 77.0 115.6
131 93.9 73.7 110.5

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





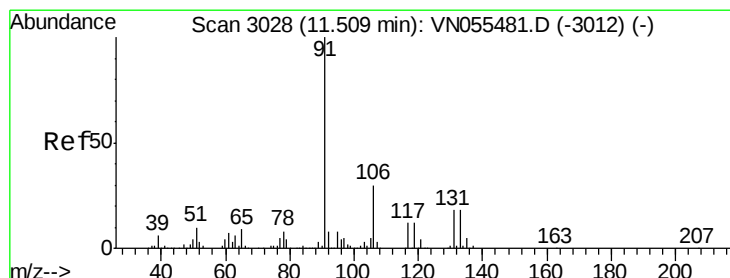
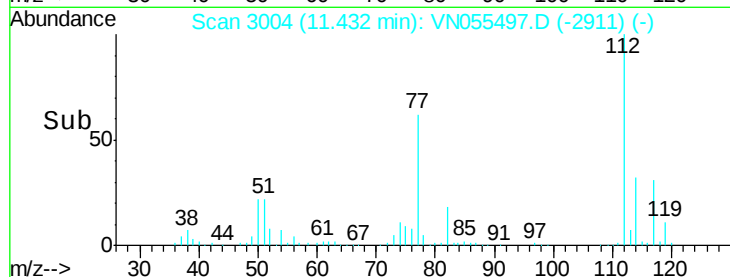
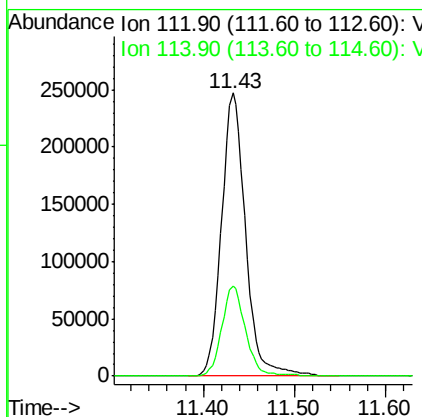
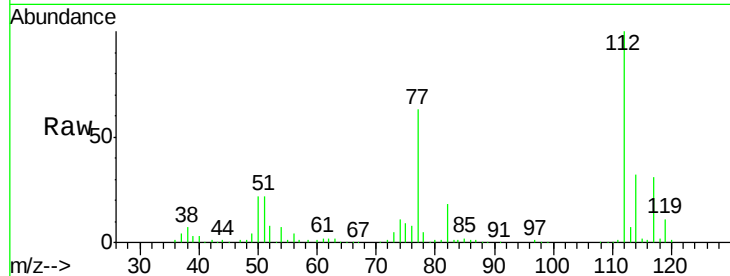
#65
Chlorobenzene
Concen: 20.304 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

Tot Ion:112 Resp: 453547
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.4

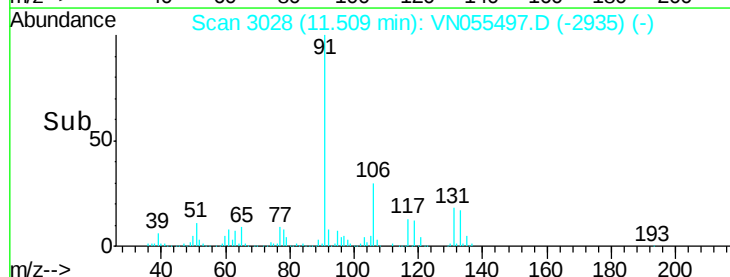
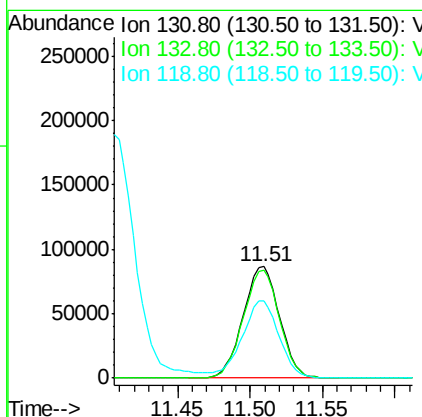
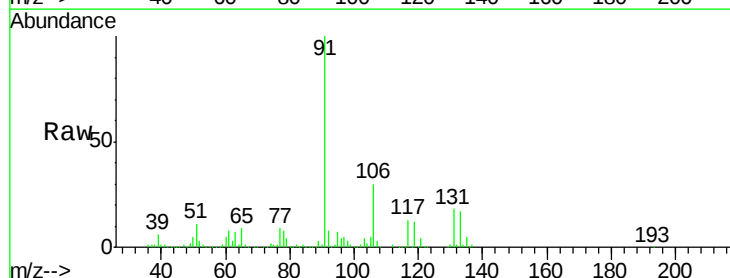
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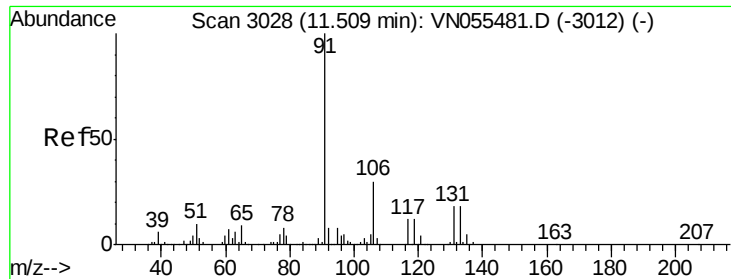
MMDadoda
5/10/2019 12:43:41 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.662 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion:131 Resp: 151207
Ion Ratio Lower Upper
131 100
133 96.6 47.4 142.2
119 70.8 34.1 102.2





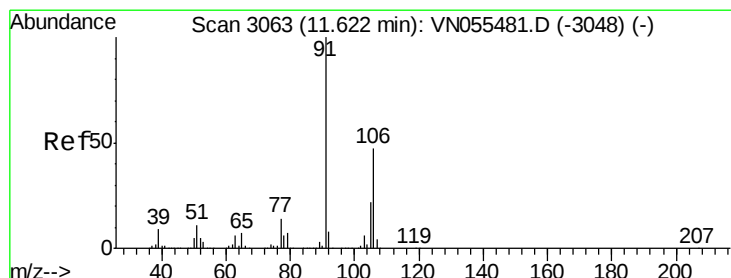
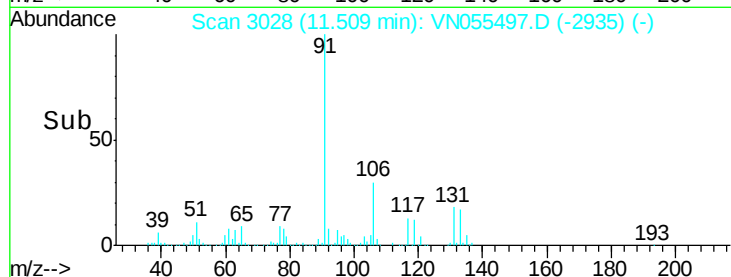
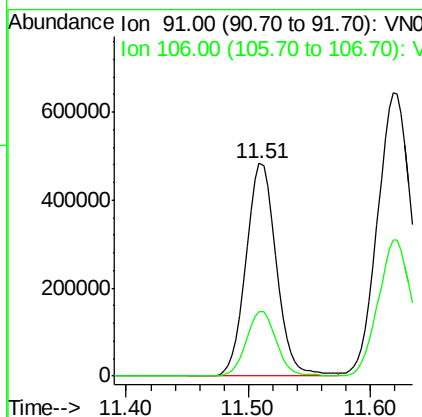
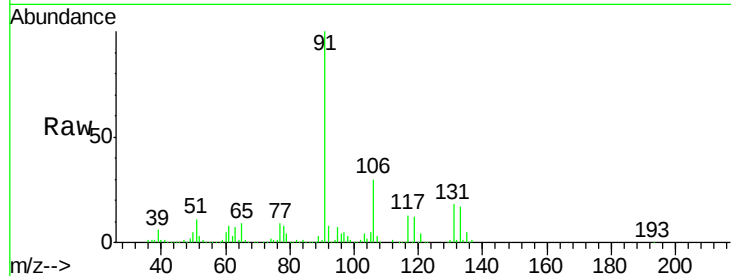
#67
Ethyl Benzene
Concen: 19.703 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampled :
VN0509MBSD01

Tot Ion: 91 Resp: 826626
Ion Ratio Lower Upper
91 100
106 30.4 23.8 35.6

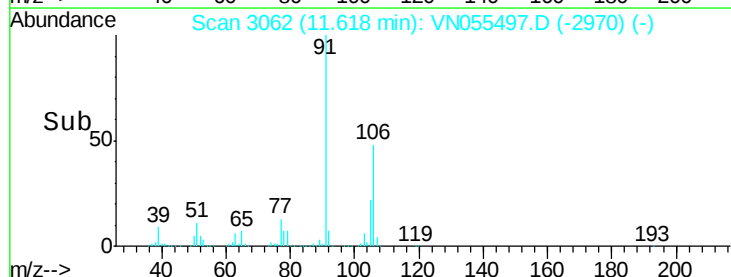
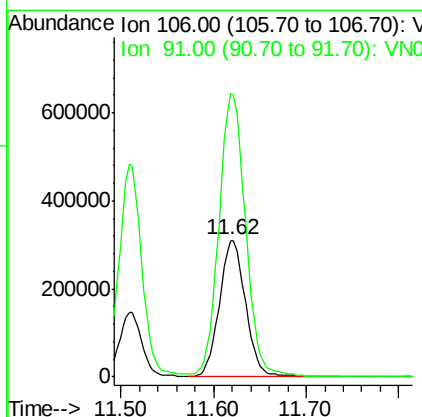
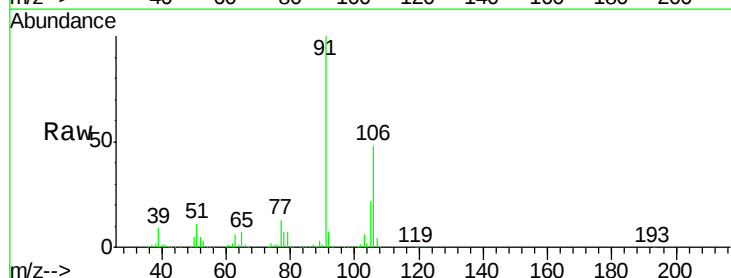
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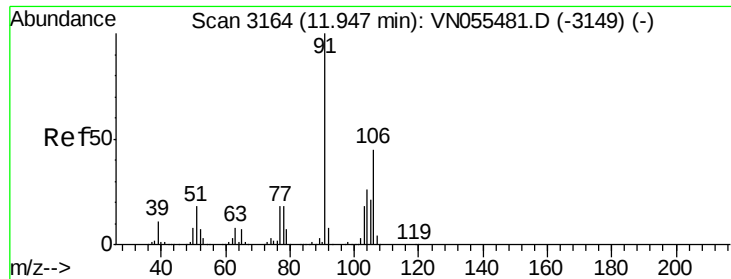
MMDadoda
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#68
m/p-Xylenes
Concen: 40.456 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion: 106 Resp: 609124
Ion Ratio Lower Upper
106 100
91 210.4 169.2 253.8





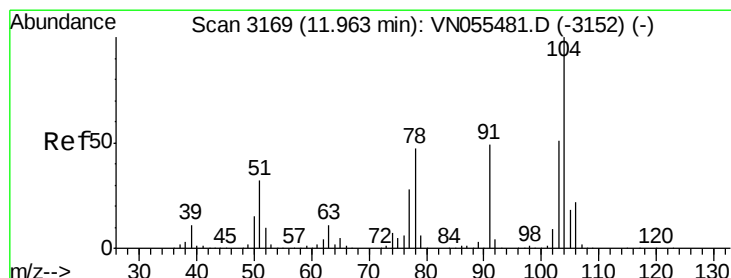
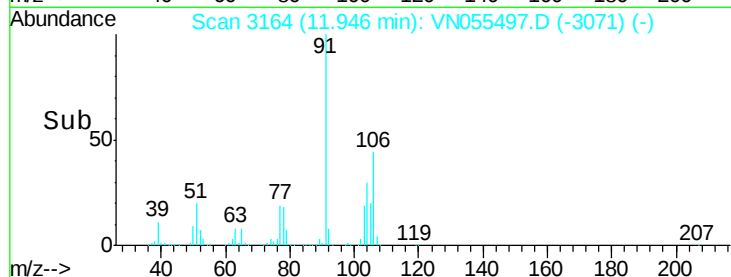
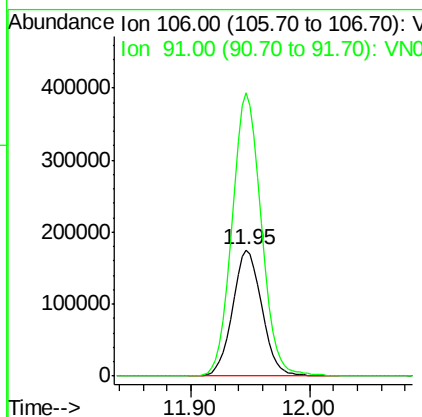
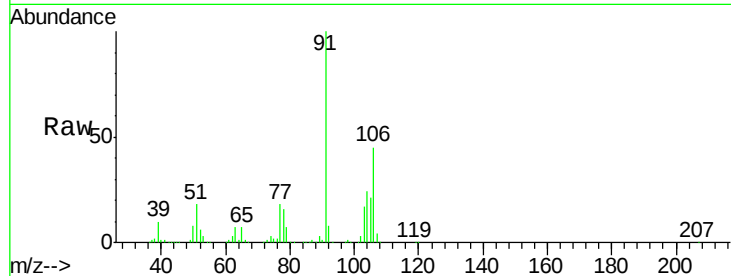
#69
o-Xylene
Concen: 20.226 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampled :
VN0509MBSD01

Tot Ion:106 Resp: 299319
Ion Ratio Lower Upper
106 100
91 223.5 111.3 333.8

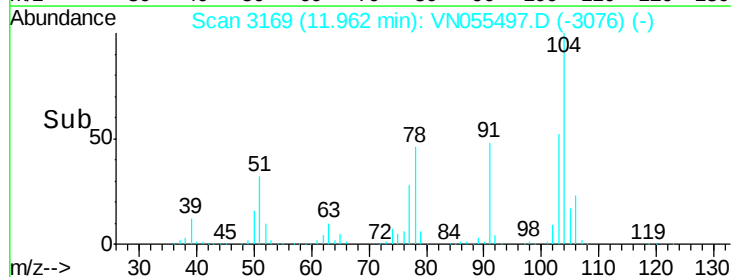
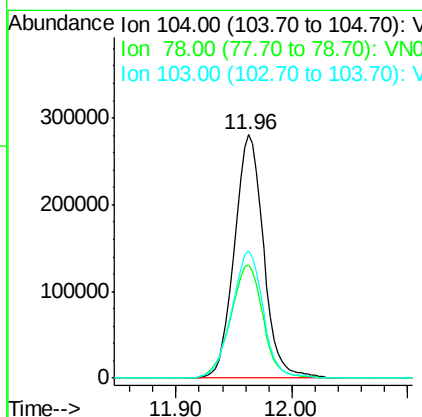
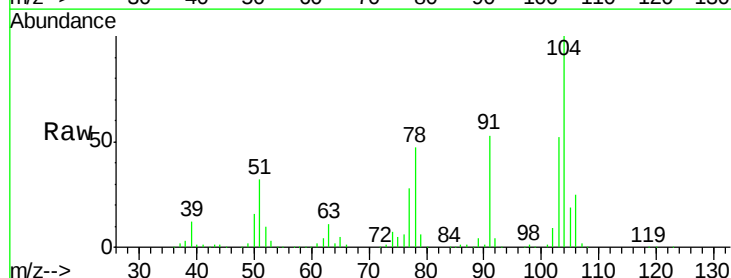
Manual Integrations
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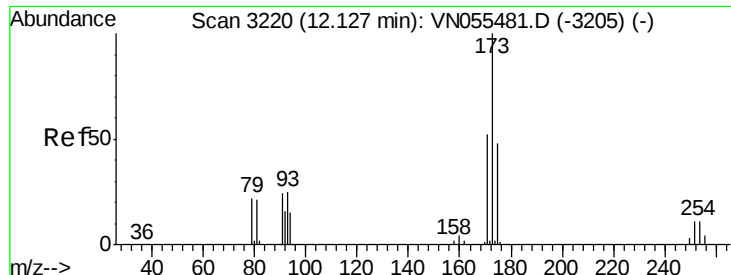
MMDadoda
5/10/2019 12:43:41 PM



#70
Styrene
Concen: 20.540 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion:104 Resp: 486978
Ion Ratio Lower Upper
104 100
78 51.7 41.6 62.4
103 56.3 44.4 66.6





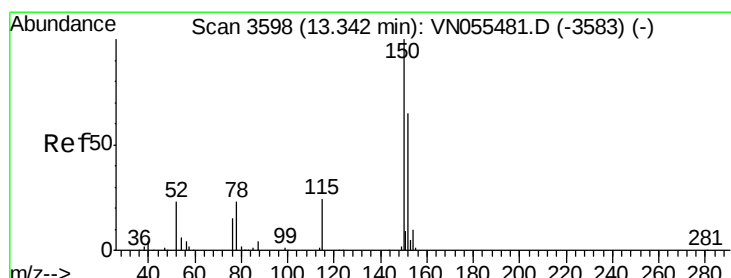
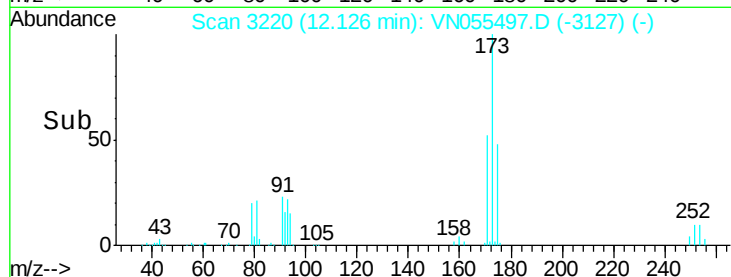
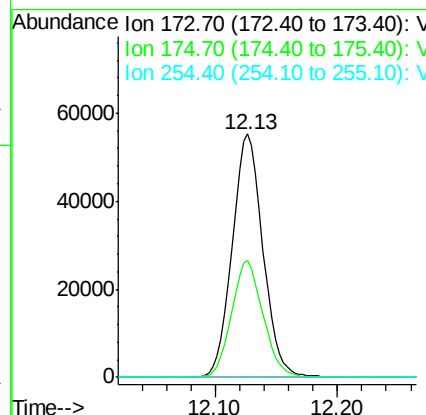
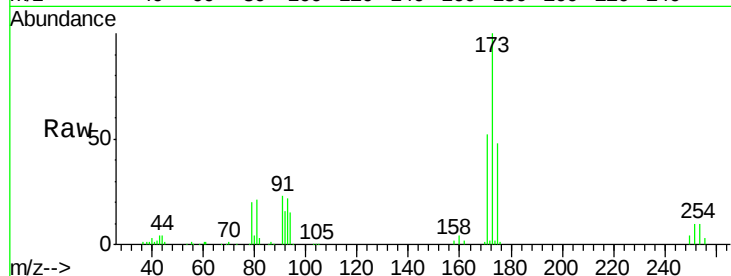
#71
Bromoform
Concen: 18.691 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.4
254	0.1	0.1	0.1#

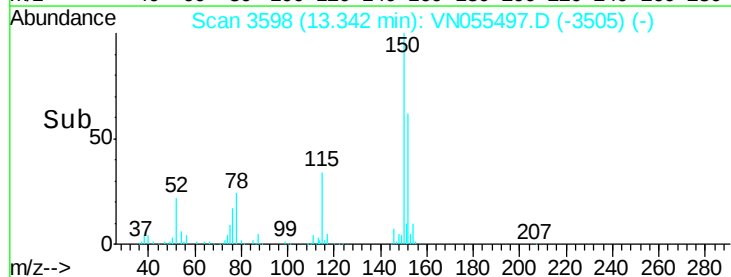
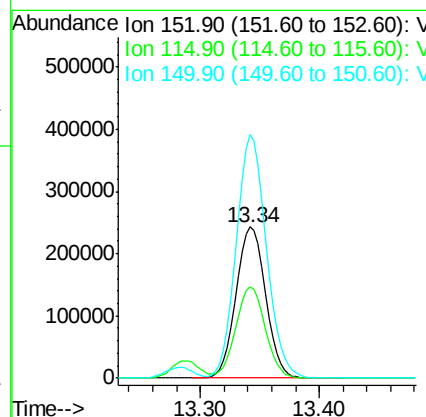
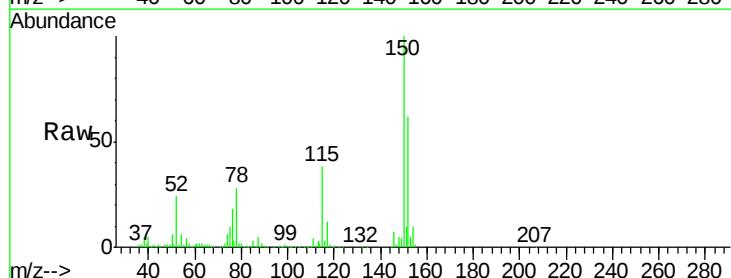
Manual Integrations
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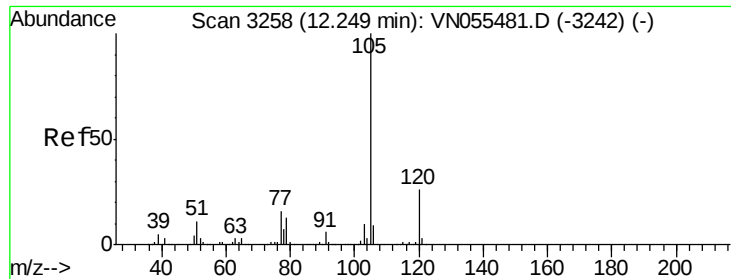
MMDadoda
5/10/2019 12:43:41 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.1	90.5
150	164.6	0.0	355.0





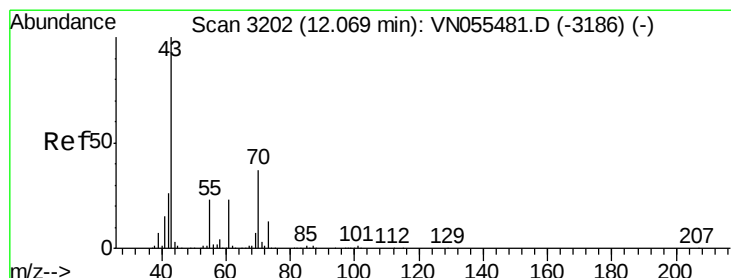
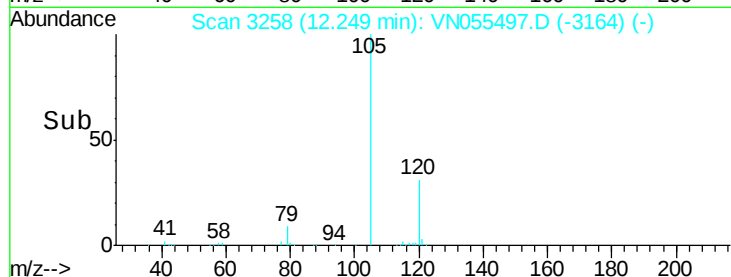
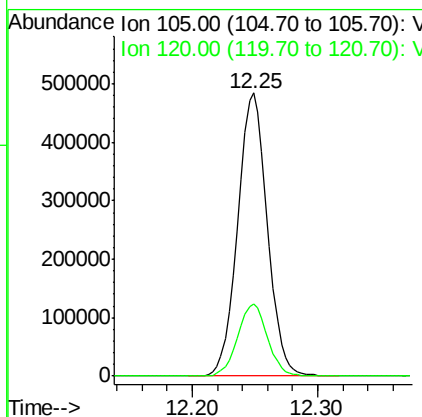
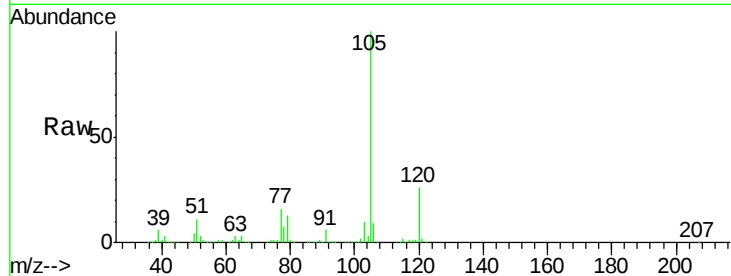
#73
Isopropylbenzene
Concen: 21.526 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.0	39.0

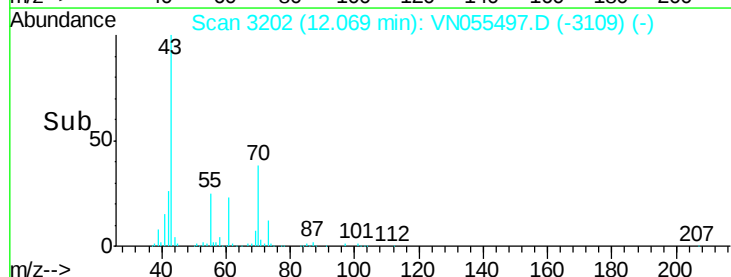
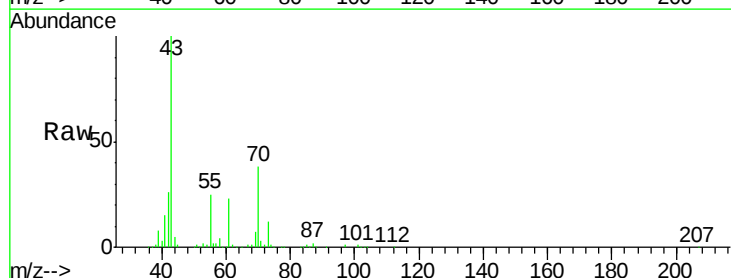
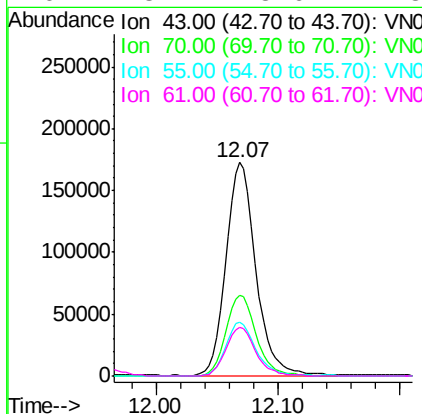
Manual Integrations
APPROVED

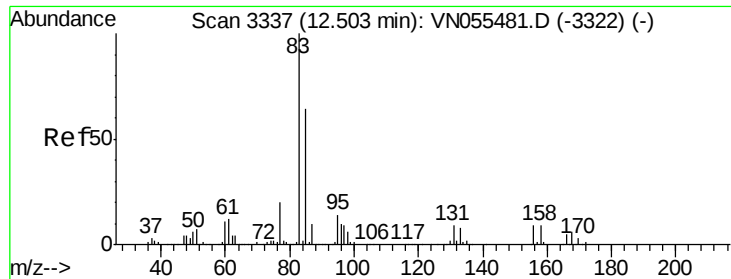
MMDadoda
5/10/2019 12:43:41 PM



#74
N-ethyl acetate
Concen: 18.558 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.7	30.7	46.1
55	25.5	19.3	28.9
61	23.1	18.6	27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.473 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

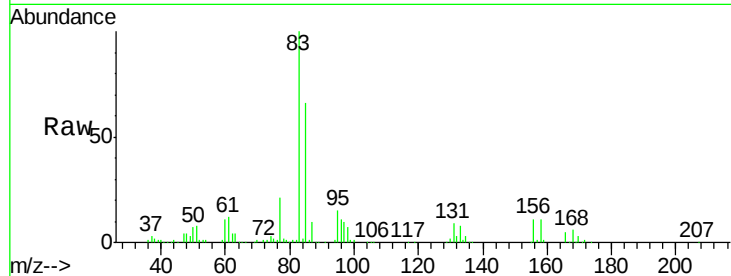
ClientSampleId :

VN0509MBSD01

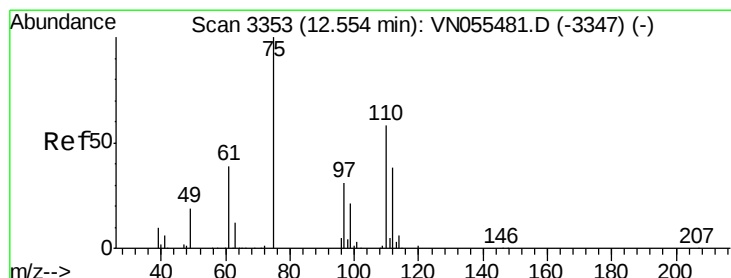
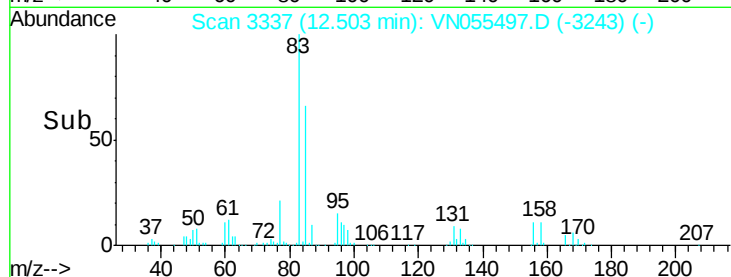
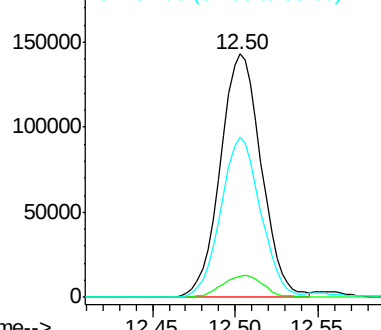
Tot Ion:	83	Resp:	245823
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.5	13.5
85	63.9	32.0	96.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055497.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 18.401 ug/l m

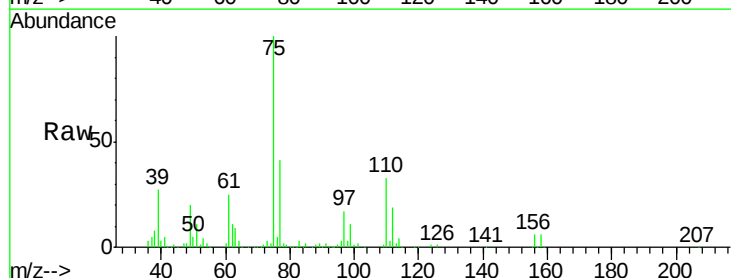
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

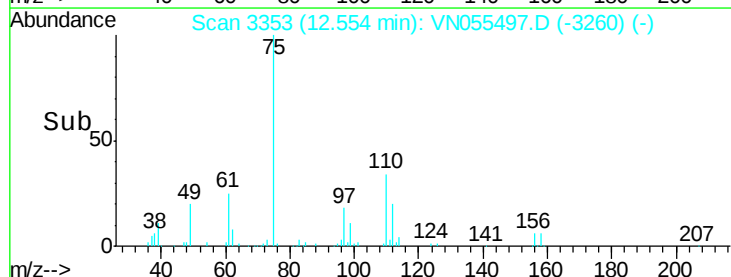
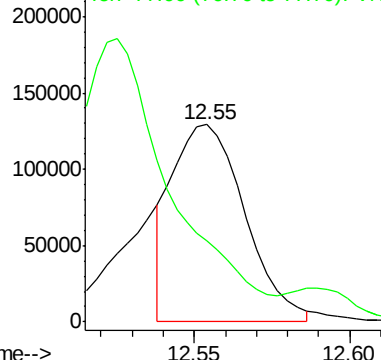
Lab File: VN055497.D

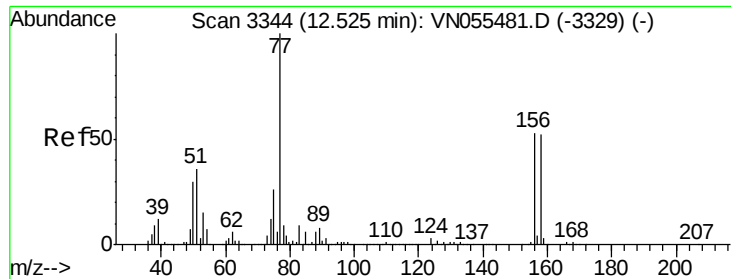
Acq: 9 May 2019 15:14

Tgt Ion:	75	Resp:	209579
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055497.D (-3260) (-)





#77

Bromobenzene

Concen: 19.695 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

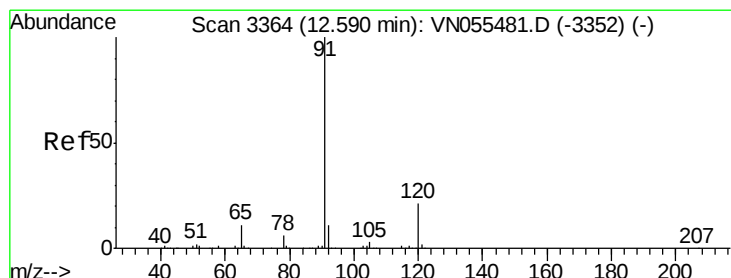
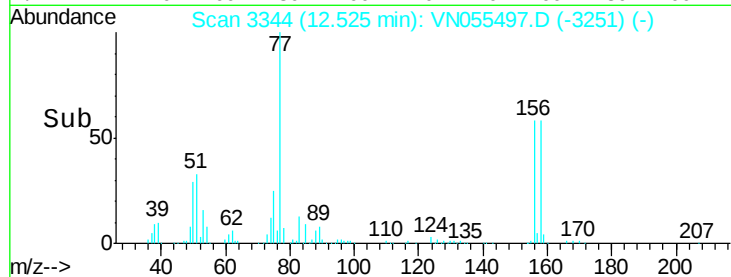
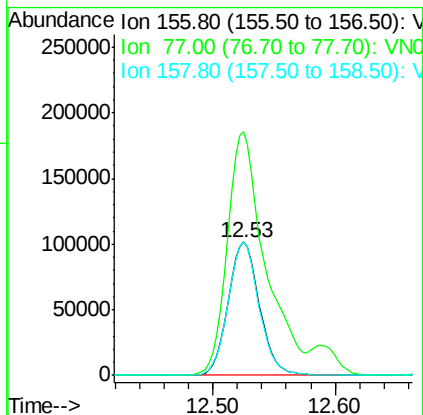
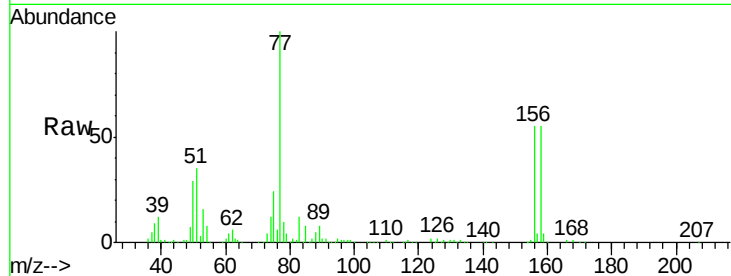
ClientSampleId :

VN0509MBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	221.3	115.4	346.2
158	98.9	48.7	146.1

Manual Integrations
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#78

n-propylbenzene

Concen: 19.797 ug/l

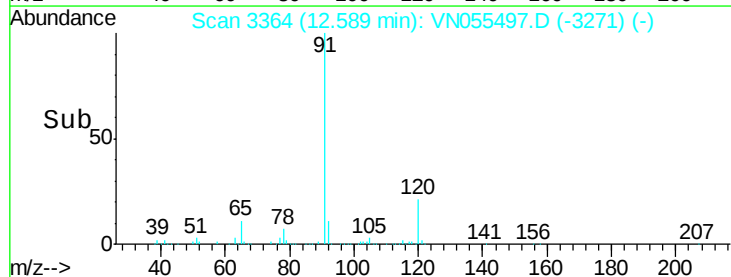
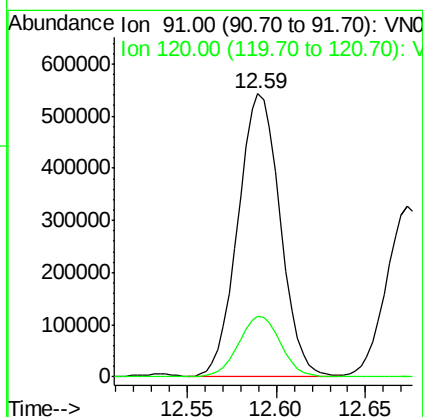
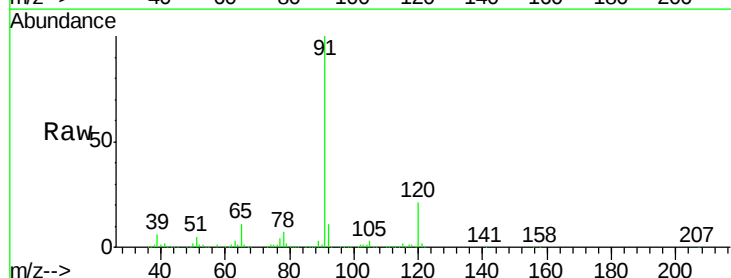
RT: 12.59 min Scan# 3364

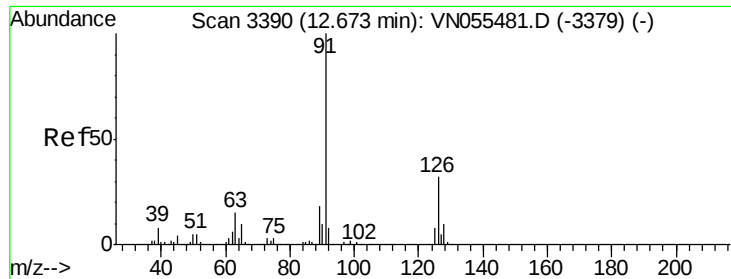
Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.3





#79

2-Chlorotoluene

Concen: 19.661 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBSD01

Tot Ion: 91 Resp: 549804

Ion Ratio Lower Upper

91 100

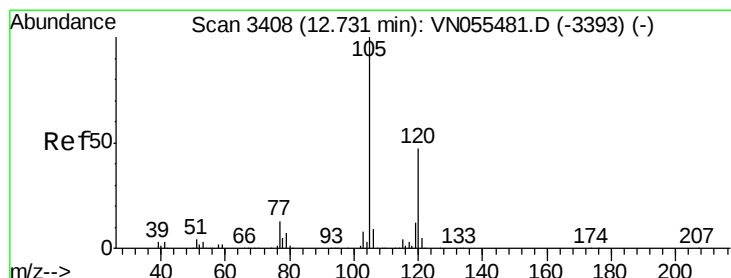
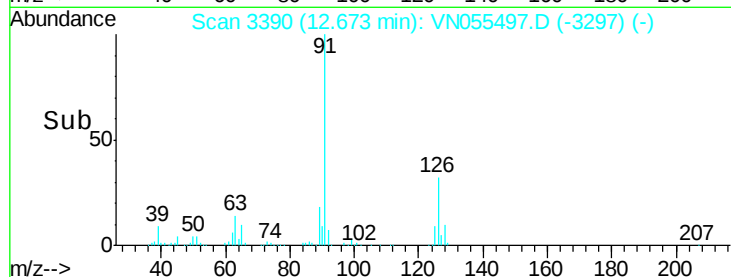
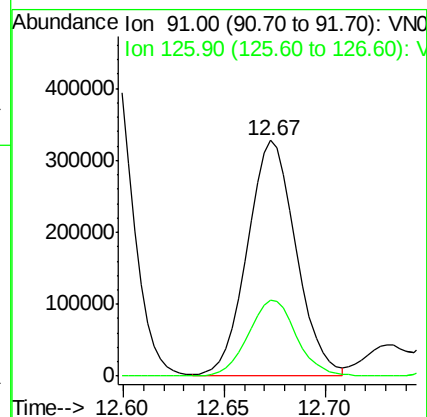
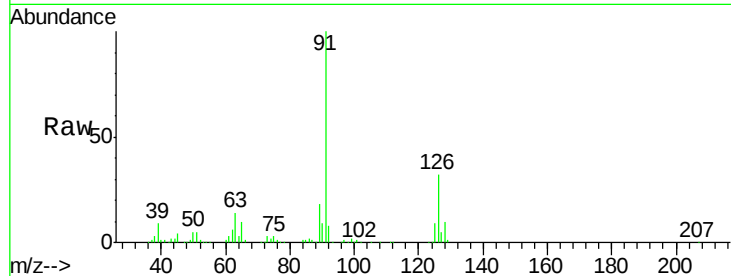
126 32.4 16.0 47.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.759 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055497.D

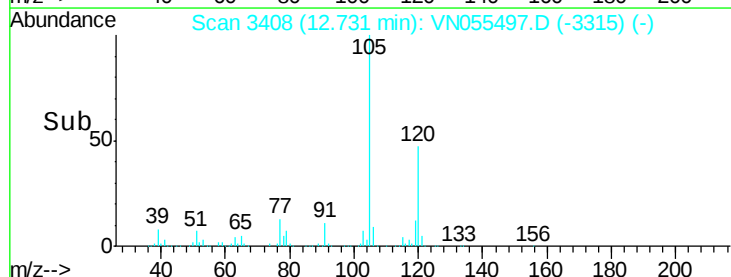
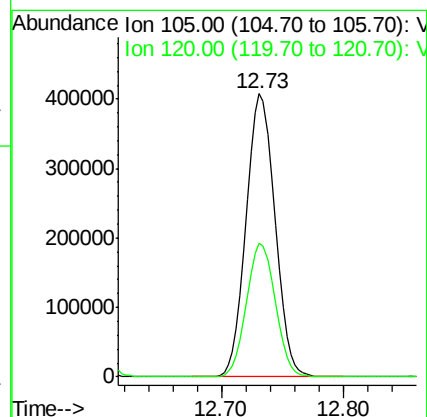
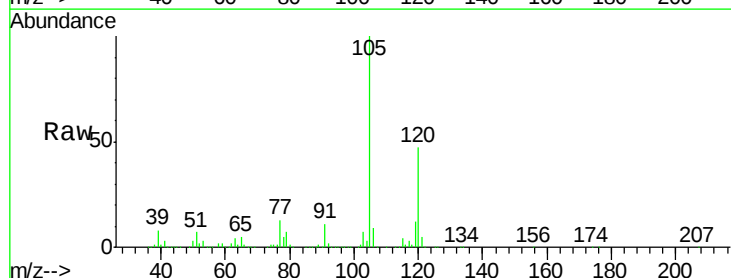
Acq: 9 May 2019 15:14

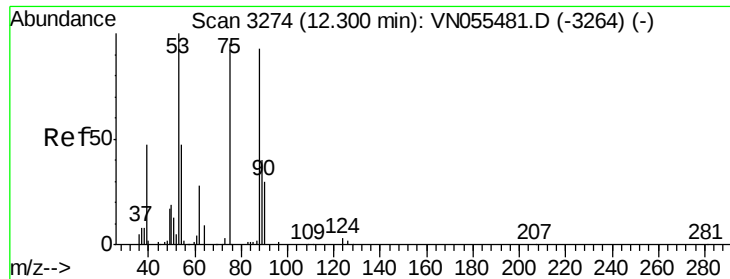
Tgt Ion: 105 Resp: 661110

Ion Ratio Lower Upper

105 100

120 47.3 23.4 70.0





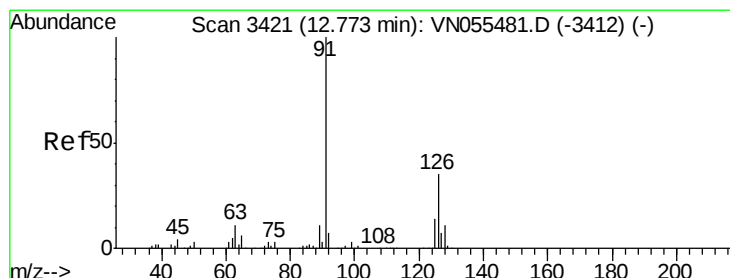
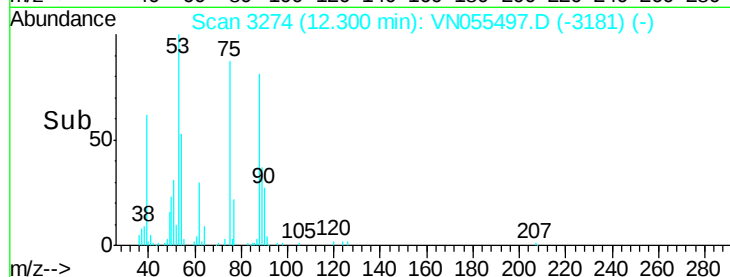
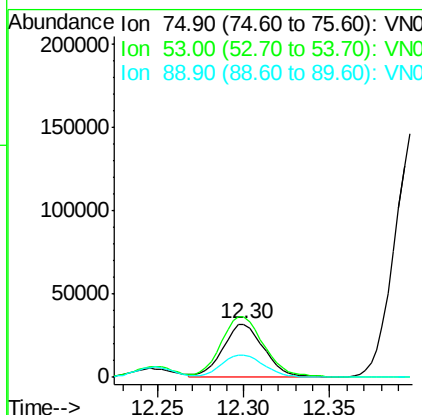
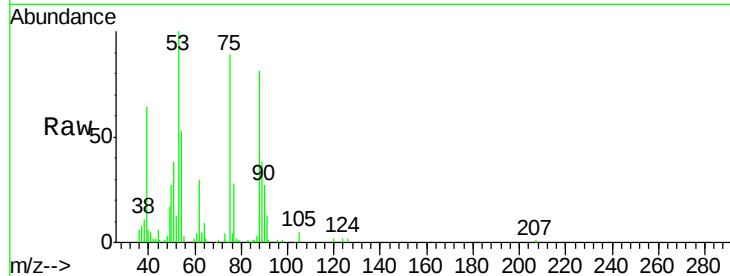
#81
trans-1,4-Dichloro-2-butene
Concen: 17.202 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.8	86.5	129.7
89	45.2	35.7	53.5

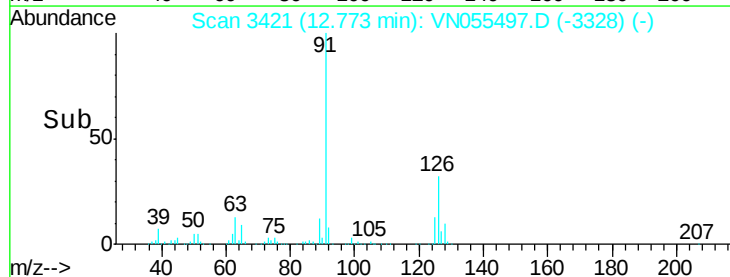
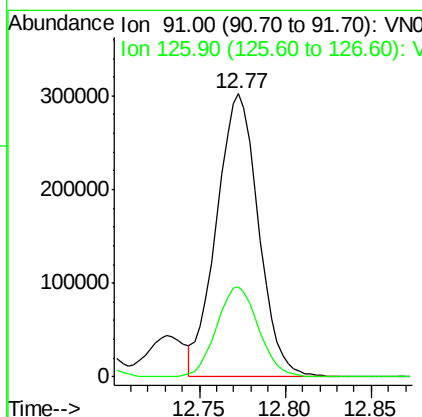
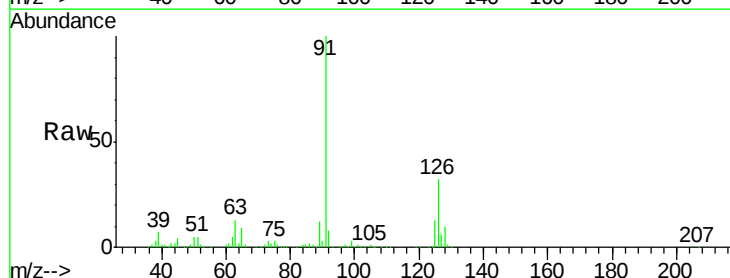
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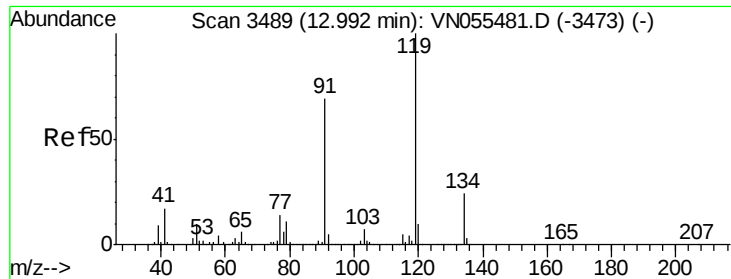
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#82
4-Chlorotoluene
Concen: 19.434 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.0





#83

tert-Butylbenzene

Concen: 19.737 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

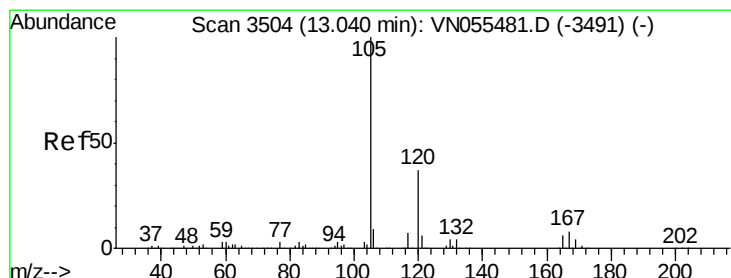
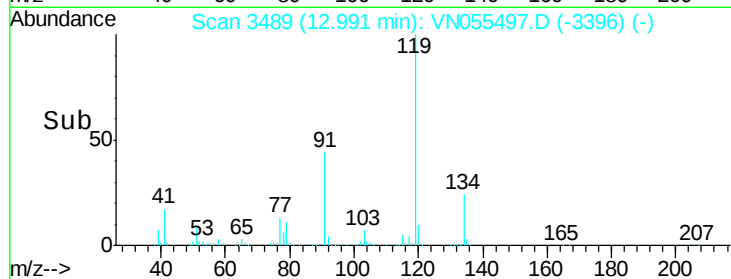
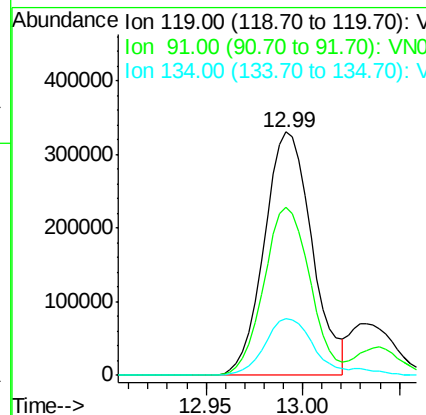
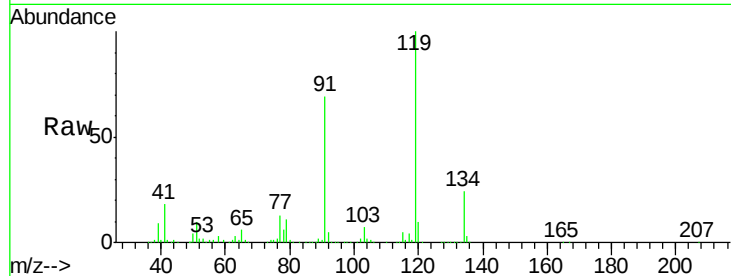
ClientSampleId :

VN0509MBSD01

Tot Ion:	119	Resp:	566031
Ion Ratio	Lower	Upper	
119	100		
91	67.0	33.8	101.3
134	23.7	12.5	37.5

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#84

1,2,4-Trimethylbenzene

Concen: 19.694 ug/l

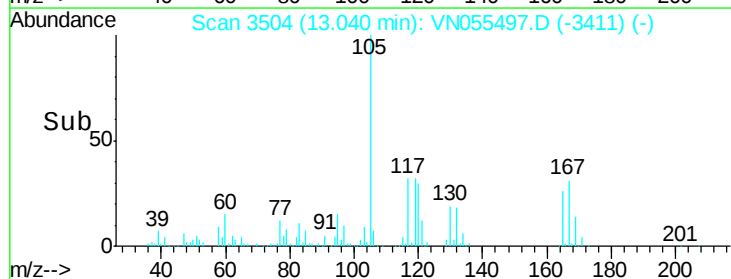
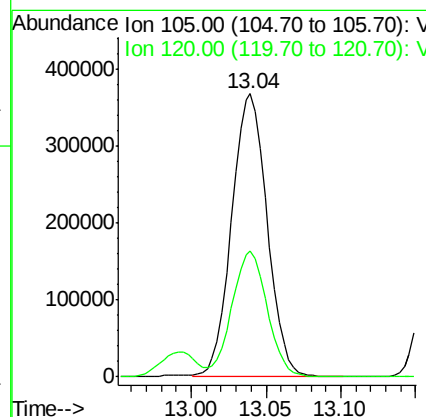
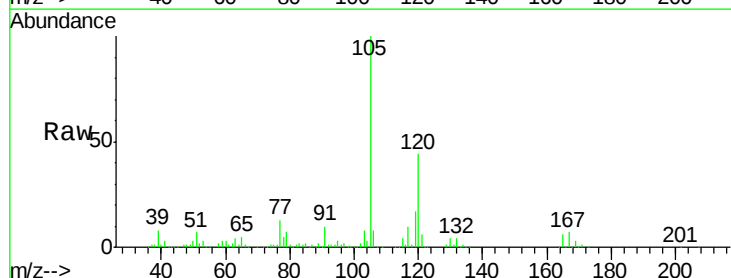
RT: 13.04 min Scan# 3504

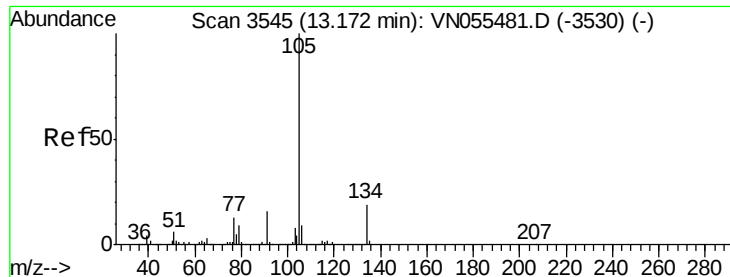
Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Tgt Ion:	105	Resp:	604341
Ion Ratio	Lower	Upper	
105	100		
120	44.5	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.550 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

ClientSampleID :

VN0509MBSD01

Tot Ion:105 Resp: 745153

Ion Ratio Lower Upper

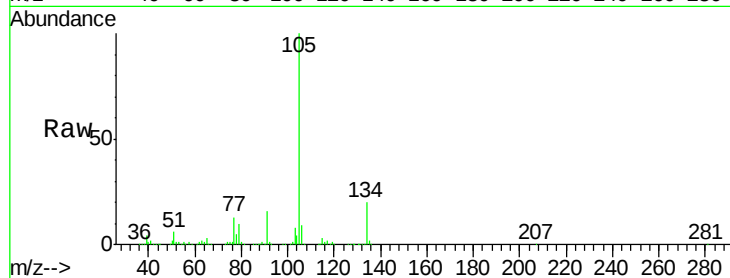
105 100

134 19.3 9.3 28.0

Manual Integrations
APPROVED

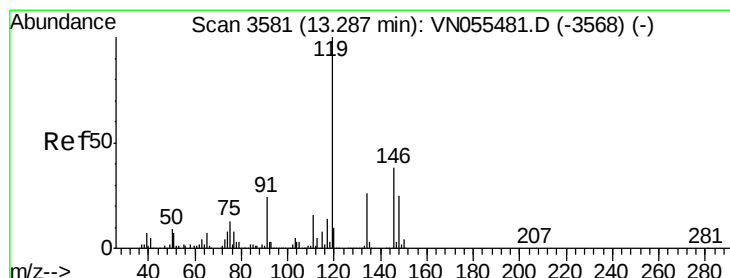
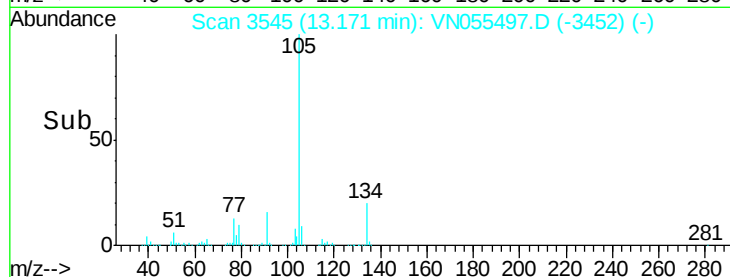
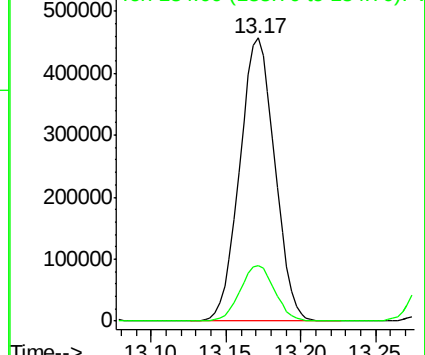
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.640 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

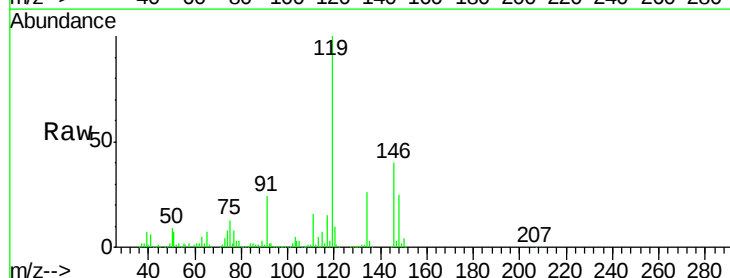
Tgt Ion:119 Resp: 609214

Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

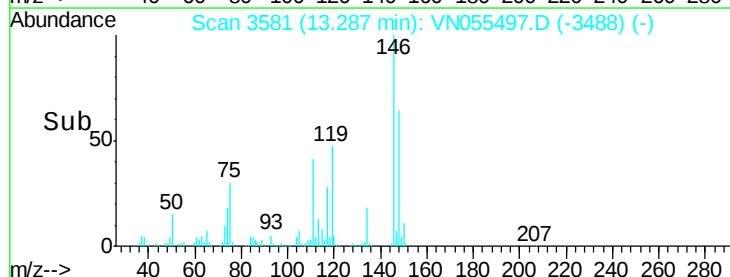
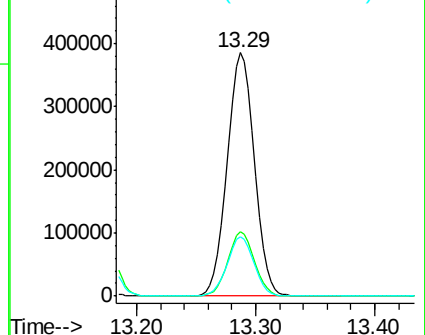
91 23.9 12.0 36.0

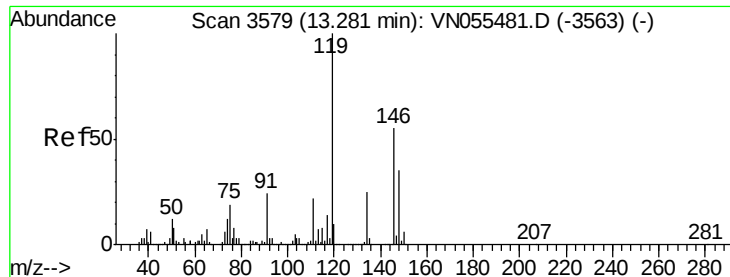


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.108 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

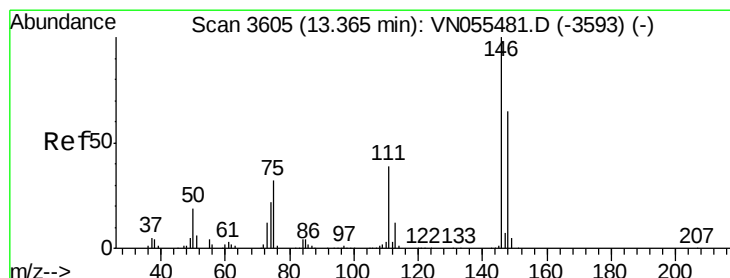
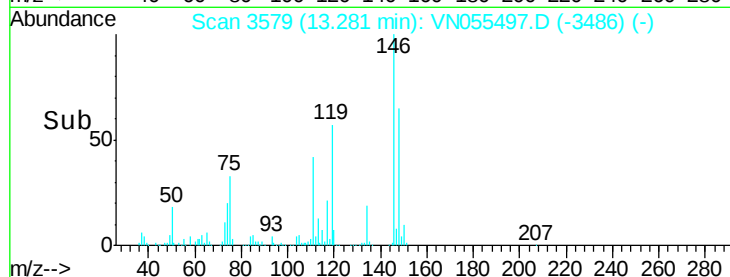
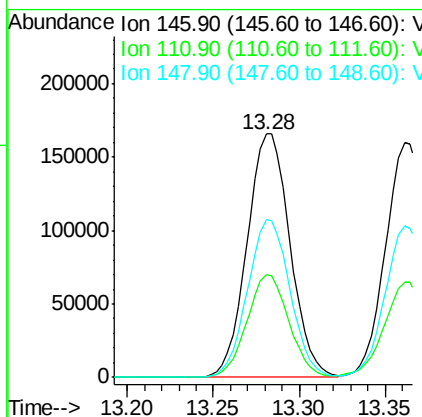
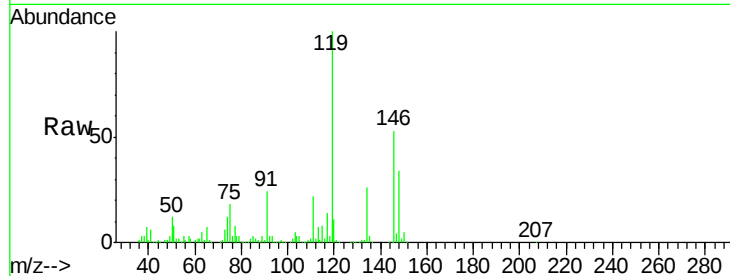
ClientSampleId :

VN0509MBSD01

Tot Ion:	146	Resp:	286471
Ion Ratio	Lower	Upper	
146	100		
111	41.2	20.4	61.3
148	64.2	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 19.590 ug/l

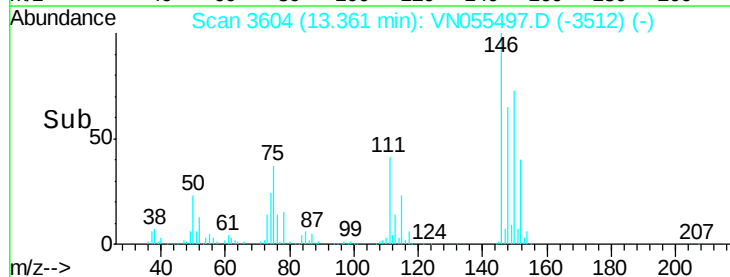
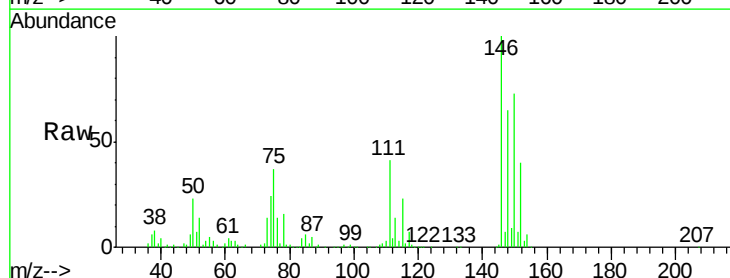
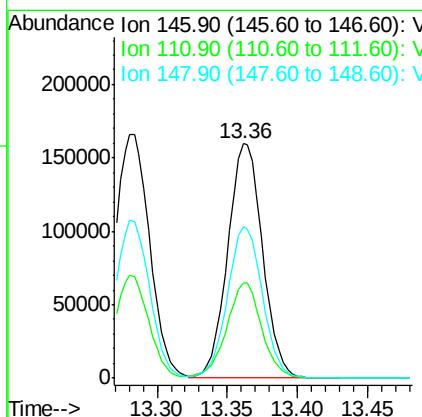
RT: 13.36 min Scan# 3604

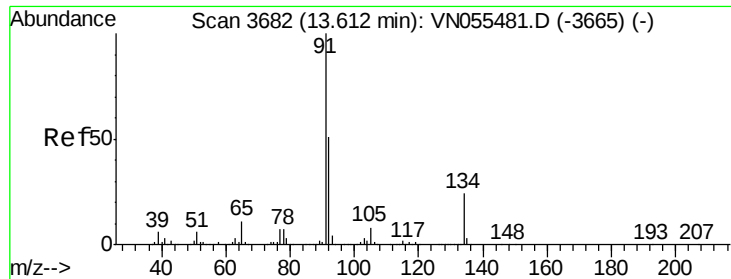
Delta R.T. -0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Tgt Ion:	146	Resp:	275436
Ion Ratio	Lower	Upper	
146	100		
111	40.5	19.6	58.8
148	64.9	32.5	97.4





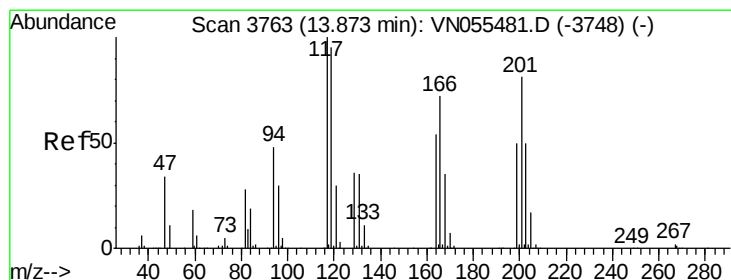
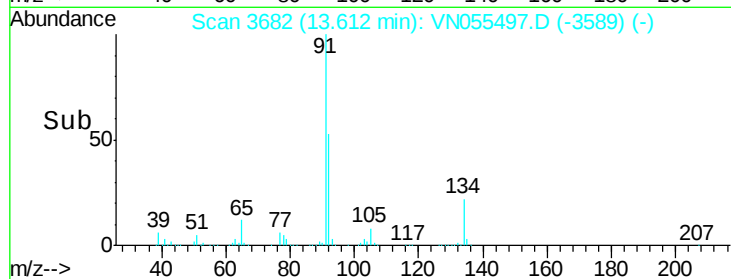
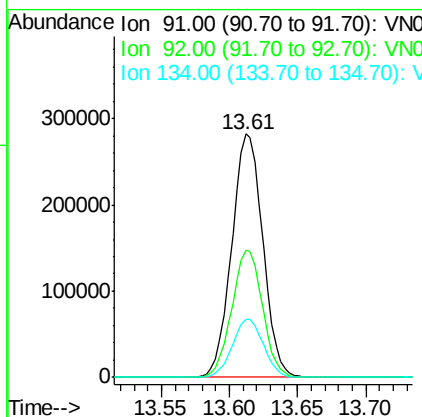
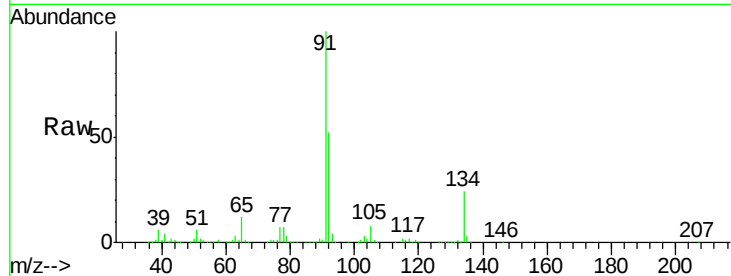
#89
n-Butylbenzene
Concen: 18.542 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.9	77.7
134	23.9	11.8	35.4

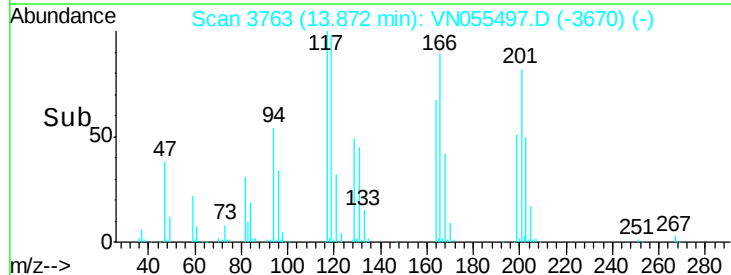
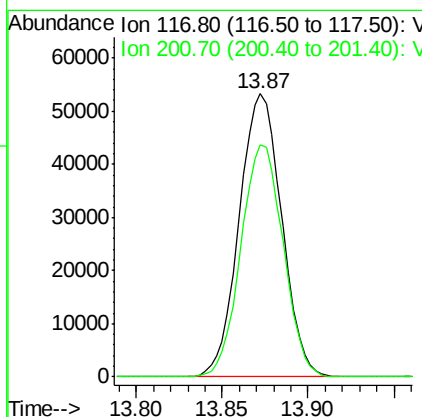
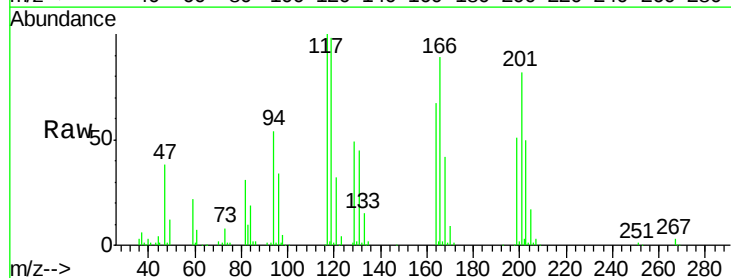
Manual Integrations
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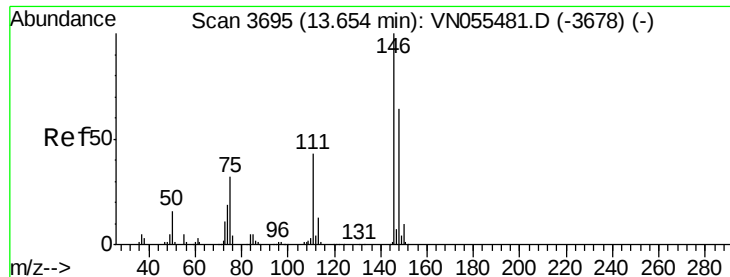
MMDadoda
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#90
Hexachloroethane
Concen: 18.032 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.6	40.1	120.2





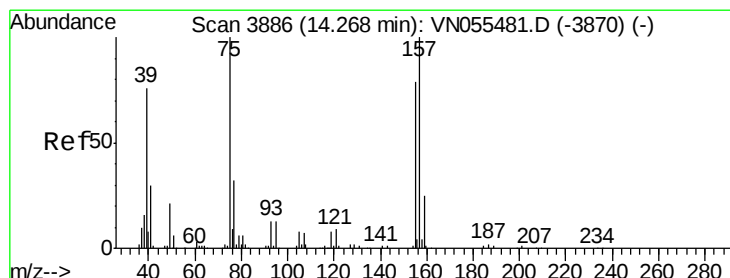
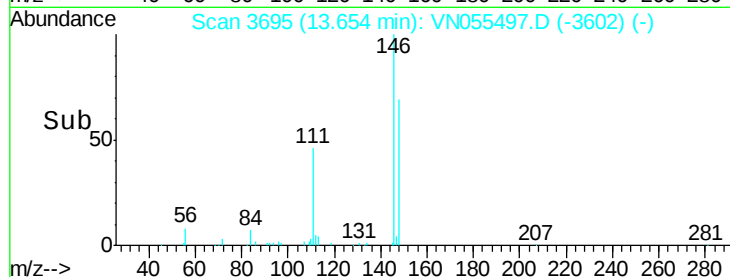
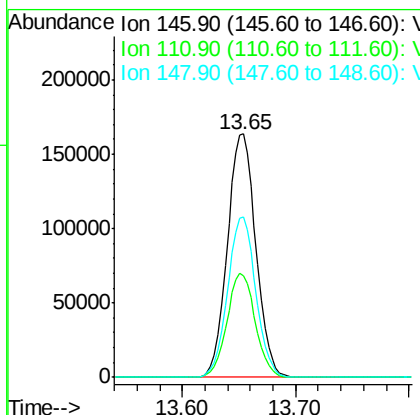
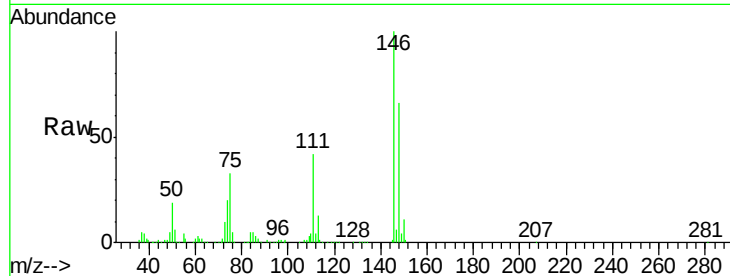
#91
 1,2-Dichlorobenzene
 Concen: 20.085 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	63.7
148	65.2	31.9	95.9

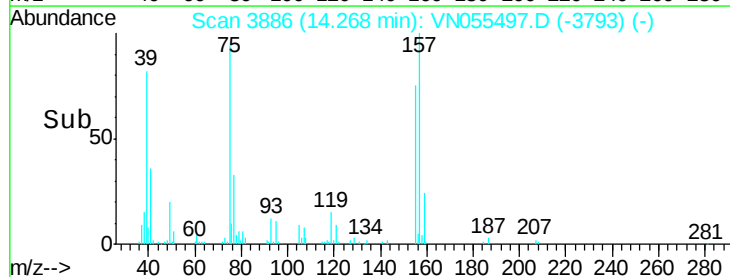
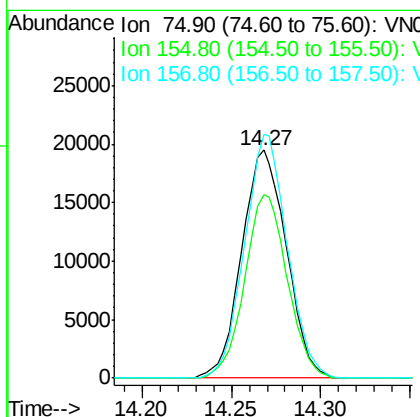
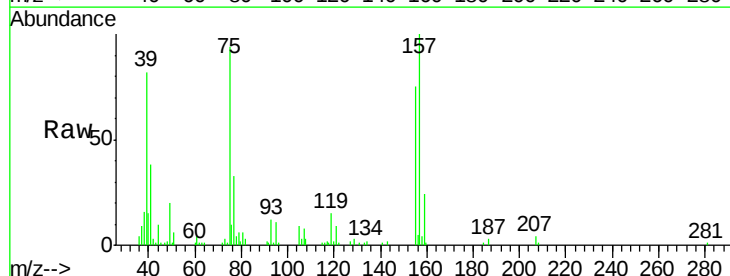
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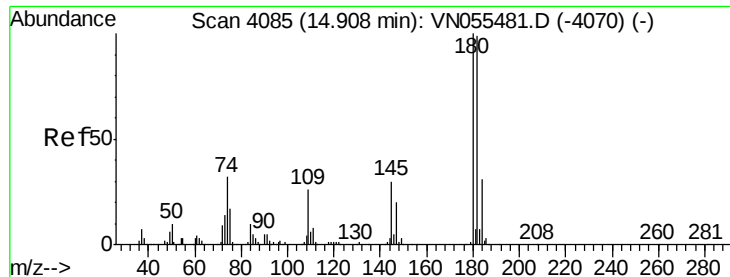
MMDadoda
 5/10/2019 12:43:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.714 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055497.D
 Acq: 9 May 2019 15:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.9	39.3	117.8
157	102.3	50.6	151.8





#93

1,2,4-Trichlorobenzene

Concen: 16.837 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055497.D

Acq: 9 May 2019 15:14

Instrument :

MSVOA_N

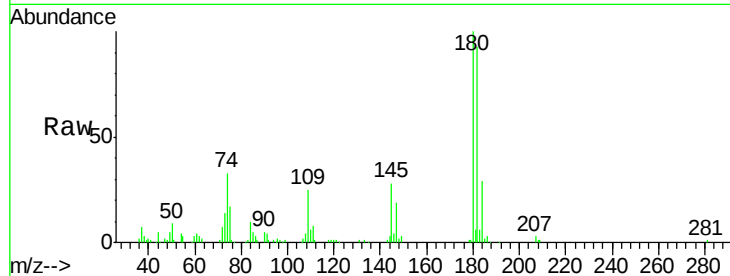
ClientSampled :

VN0509MBS01

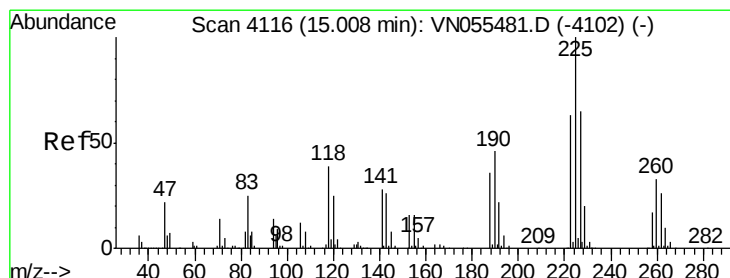
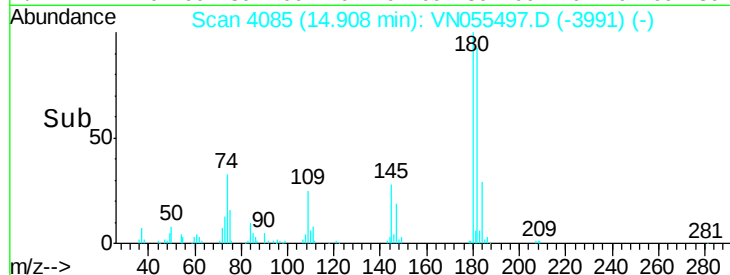
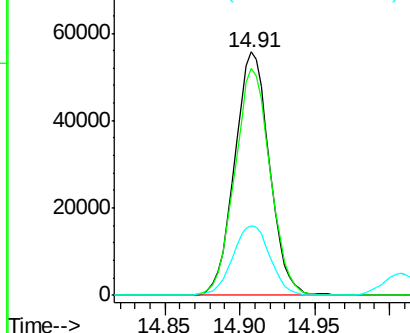
Tot Ion:	180	Resp:	90302
Ion Ratio	Lower	Upper	
180	100		
182	94.5	48.7	146.1
145	30.6	15.3	45.9

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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 21.053 ug/l

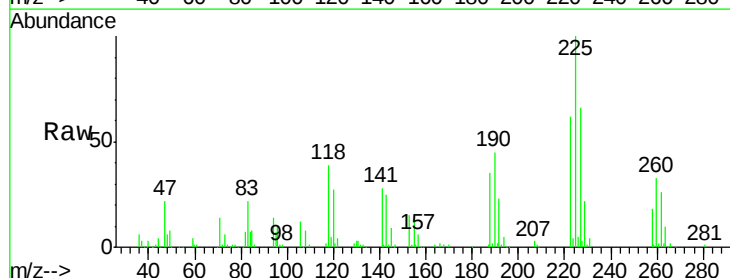
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

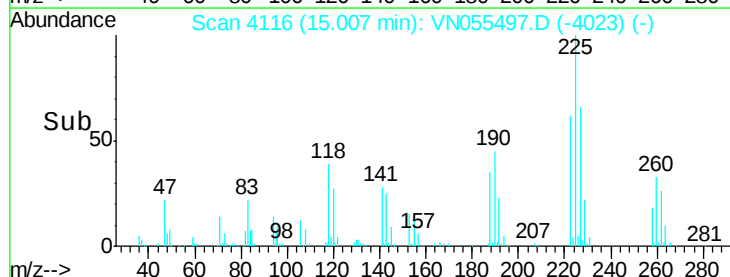
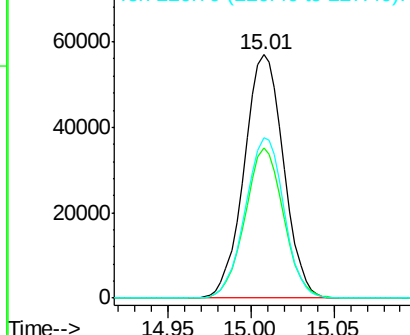
Lab File: VN055497.D

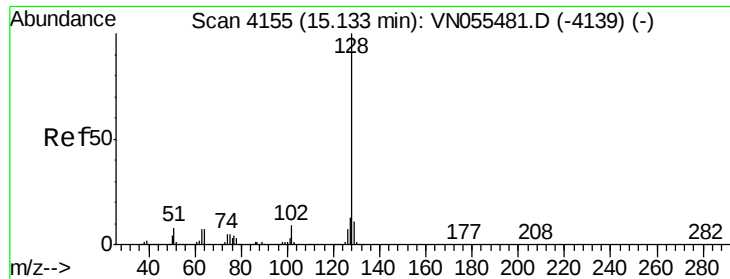
Acq: 9 May 2019 15:14

Tgt Ion:	225	Resp:	94391
Ion Ratio	Lower	Upper	
225	100		
223	60.6	31.4	94.3
227	64.9	32.0	96.0



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





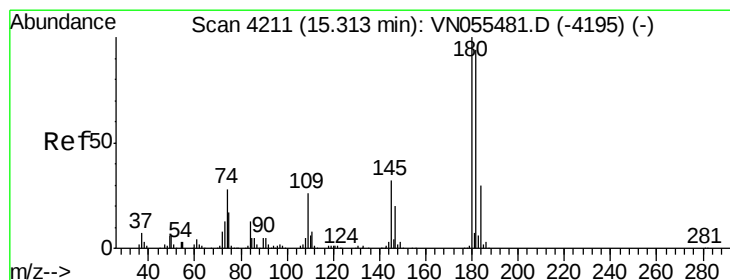
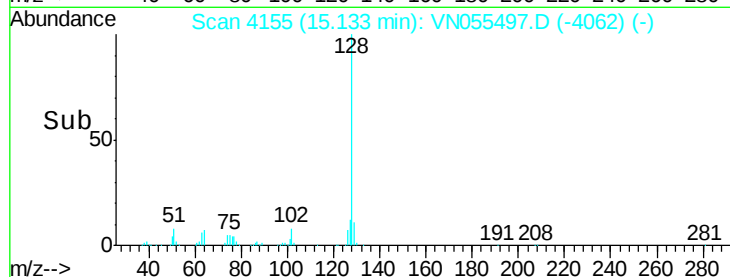
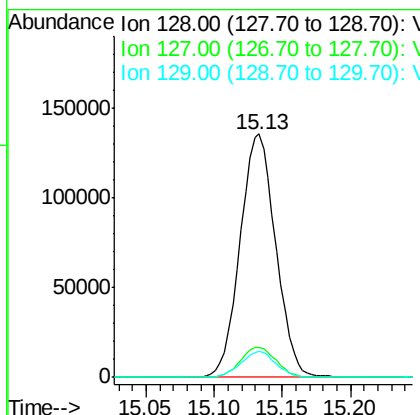
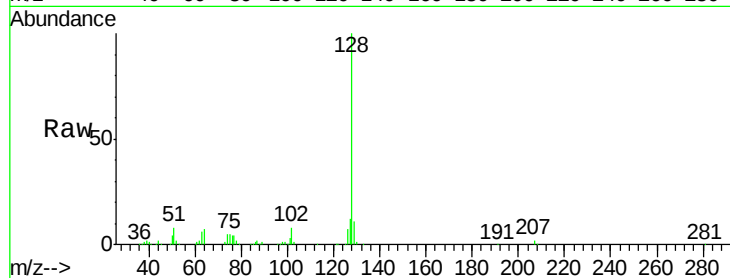
#95
Naphthalene
Concen: 16.237 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	246476		
127	12.3	10.0	15.0	
129	10.5	8.8	13.2	

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#96
1,2,3-Trichlorobenzene
Concen: 16.662 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN055497.D
Acq: 9 May 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	100462		
182	95.2	47.1	141.3	
145	30.9	15.8	47.4	

