

Data File : VN057180.D
Acq On : 11 Aug 2019 12:13
Operator : JC/SP
Sample : VN0811WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBSD01

Manual Integrations
APPROVED

MMDadoda
8/12/2019 3:41:33 PM

Quant Time: Aug 12 06:30:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:49:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1134538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1648087	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1443561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	506597	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	569971	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
35) Dibromofluoromethane	6.99	113	524948	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	9.56	98	1961225	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	11.92	95	618707	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.82	85	162057	17.772	ug/l	99
3) Chloromethane	2.00	50	201792	16.655	ug/l	96
4) Vinyl Chloride	2.11	62	200463	17.800	ug/l	97
5) Bromomethane	2.43	94	149215	19.500	ug/l	95
6) Chloroethane	2.55	64	137804	19.077	ug/l	98
7) Trichlorofluoromethane	2.82	101	311720	19.257	ug/l	98
8) Diethyl Ether	3.14	74	118028	18.872	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.44	101	190764	19.440	ug/l	100
10) Methyl Iodide	3.63	142	290631	19.599	ug/l	99
11) Tert butyl alcohol	4.24	59	162583	97.918	ug/l	98
12) 1,1-Dichloroethene	3.43	96	183858	19.045	ug/l	97
13) Acrolein	3.31	56	74098	70.543	ug/l	98
14) Allyl chloride	3.91	41	287359	20.482	ug/l	95
15) Acrylonitrile	4.45	53	446733	99.412	ug/l	99
16) Acetone	3.48	43	362431	102.855	ug/l	99
17) Carbon Disulfide	3.72	76	471581	18.362	ug/l	99
18) Methyl Acetate	3.89	43	208585	19.466	ug/l	100
19) Methyl tert-butyl Ether	4.49	73	583018	20.004	ug/l	100
20) Methylene Chloride	4.10	84	220814	18.988	ug/l	95
21) trans-1,2-Dichloroethene	4.51	96	199250	18.947	ug/l	98
22) Diisopropyl ether	5.32	45	607463	19.851	ug/l	98
23) Vinyl Acetate	5.26	43	2340847	99.893	ug/l	100
24) 1,1-Dichloroethane	5.25	63	364454	19.374	ug/l	99
25) 2-Butanone	6.20	43	544540	101.146	ug/l	99
26) 2,2-Dichloropropane	6.21	77	290058	21.193	ug/l	100
27) cis-1,2-Dichloroethene	6.21	96	238828	19.824	ug/l	98
28) Bromochloromethane	6.58	49	173336	20.032	ug/l	100
29) Tetrahydrofuran	6.60	42	348374	96.058	ug/l	98
30) Chloroform	6.76	83	372534	19.133	ug/l	98
31) Cyclohexane	7.06	56	313474	18.522	ug/l	98
32) 1,1,1-Trichloroethane	6.98	97	323379	19.799	ug/l	98
36) 1,1-Dichloropropene	7.20	75	276537	20.379	ug/l	98
37) Ethyl Acetate	6.28	43	225340	20.137	ug/l #	98
38) Carbon Tetrachloride	7.18	117	282053	19.945	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	323611	19.611	ug/l	95
40) Benzene	7.46	78	855044	19.904	ug/l	99
41) Methacrylonitrile	6.55	41	121421	21.369	ug/l	96
42) 1,2-Dichloroethane	7.54	62	276959	20.216	ug/l	99
43) Isopropyl Acetate	7.56	43	375170	19.654	ug/l	99
44) Trichloroethene	8.27	130	243904	20.266	ug/l	99
45) 1,2-Dichloropropane	8.56	63	220775	19.849	ug/l	99
46) Dibromomethane	8.65	93	146397	20.527	ug/l	99
47) Bromodichloromethane	8.85	83	285980	20.724	ug/l	97
48) Methyl methacrylate	8.63	41	175015	19.443	ug/l	96
49) 1,4-Dioxane	8.64	88	72013	392.808	ug/l	96
51) 4-Methyl-2-Pentanone	9.45	43	1110729	99.978	ug/l	100
52) Toluene	9.63	92	539211	20.222	ug/l	99
53) t-1,3-Dichloropropene	9.86	75	305039	21.159	ug/l	98
54) cis-1,3-Dichloropropene	9.30	75	339938	20.550	ug/l	98
55) 1,1,2-Trichloroethane	10.04	97	210570	20.082	ug/l	98
56) Ethyl methacrylate	9.90	69	295681	20.140	ug/l	98
57) 1,3-Dichloropropane	10.19	76	346112	20.016	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.15	63	332093	66.867	ug/l	100
59) 2-Hexanone	10.24	43	766594	101.955	ug/l	99
60) Dibromochloromethane	10.39	129	233876	21.238	ug/l	99
61) 1,2-Dibromoethane	10.50	107	219592	20.295	ug/l	99
64) Tetrachloroethene	10.11	164	246251	20.512	ug/l	96
65) Chlorobenzene	10.93	112	578288	19.910	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.01	131	223669	20.598	ug/l	99
67) Ethyl Benzene	11.01	91	1005257	20.109	ug/l	99
68) m/p-Xylenes	11.13	106	744990	40.452	ug/l	99
69) o-Xylene	11.46	106	369475	20.158	ug/l	98
70) Styrene	11.47	104	573157	20.020	ug/l	100
71) Bromoform	11.64	173	166178	20.891	ug/l #	99
73) Isopropylbenzene	11.77	105	978664	22.254	ug/l	99
74) N-amyl acetate	11.59	43	267371	20.827	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	278656	22.940	ug/l	100
76) 1,2,3-Trichloropropane	12.08	75	226198m	21.166	ug/l	
77) Bromobenzene	12.04	156	250955	20.610	ug/l	99
78) n-propylbenzene	12.11	91	981528	20.196	ug/l	100
79) 2-Chlorotoluene	12.20	91	630559	22.206	ug/l	98
80) 1,3,5-Trimethylbenzene	12.26	105	811698	20.754	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.82	75	74709	21.684	ug/l	99
82) 4-Chlorotoluene	12.30	91	561472	19.952	ug/l	100
83) tert-Butylbenzene	12.52	119	733571	22.651	ug/l	99
84) 1,2,4-Trimethylbenzene	12.57	105	765625	20.253	ug/l	100
85) sec-Butylbenzene	12.70	105	871448	19.744	ug/l	99
86) p-Isopropyltoluene	12.82	119	752584	19.432	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	354255	20.435	ug/l	98
88) 1,4-Dichlorobenzene	12.90	146	322400	19.629	ug/l	98
89) n-Butylbenzene	13.15	91	550439	20.571	ug/l	99
90) Hexachloroethane	13.41	117	145235	23.073	ug/l	99
91) 1,2-Dichlorobenzene	13.19	146	344210	19.884	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	31724	17.814	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081119\
Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	91260	16.886	ug/l	98
94) Hexachlorobutadiene	14.55	225	152579	23.239	ug/l	98
95) Naphthalene	14.67	128	173321	15.452	ug/l	98
96) 1,2,3-Trichlorobenzene	14.84	180	84995	15.634	ug/l	94

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

Data File : VN057180.D

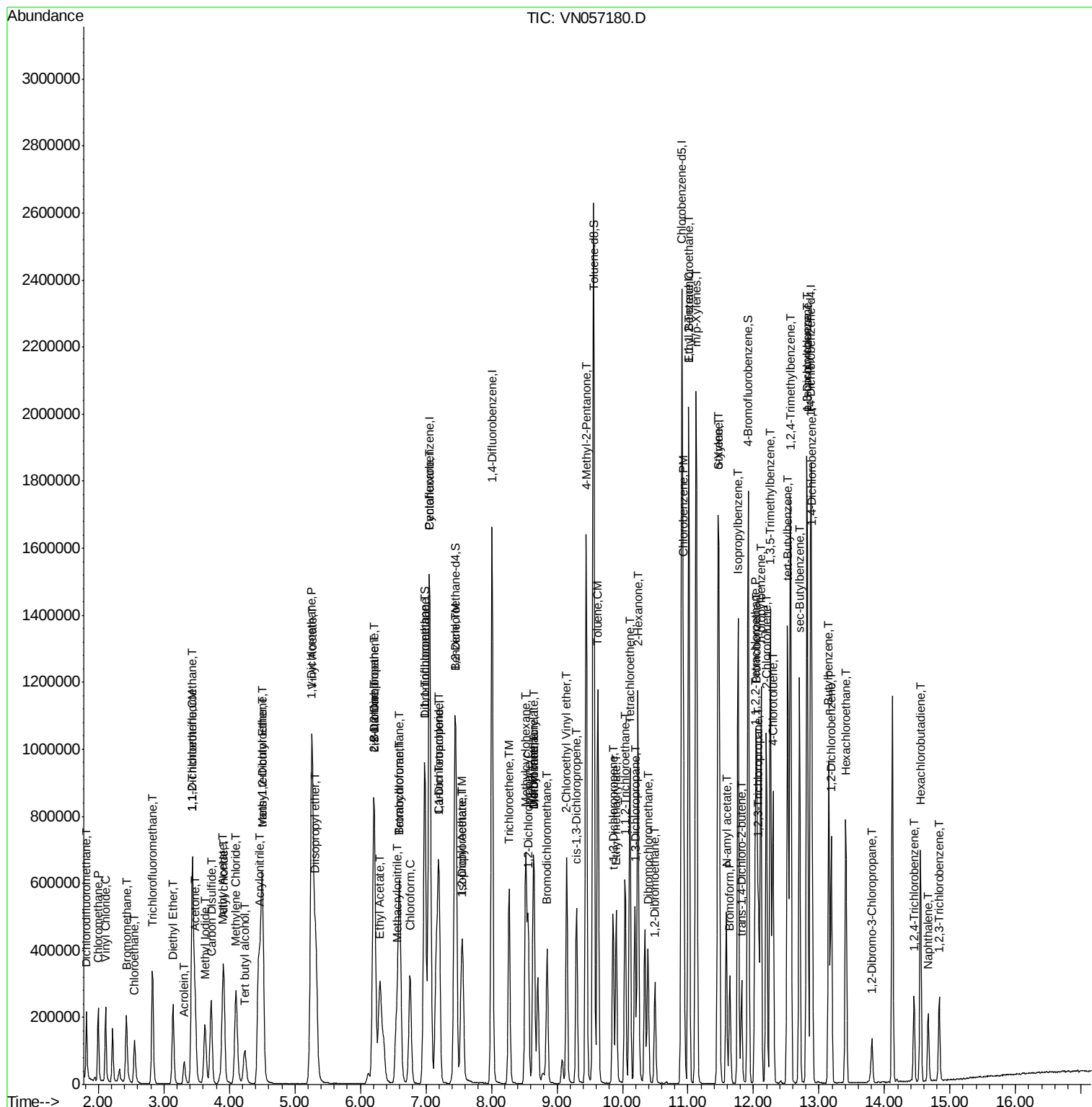
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Acq On       : 11 Aug 2019   12:13
Operator    : JC/SP
Sample      : VN0811WBSD01
Misc       : 5.00mL/MSVOA_N/WATER
ALS Vial    : 7      Sample Multiplier: 1
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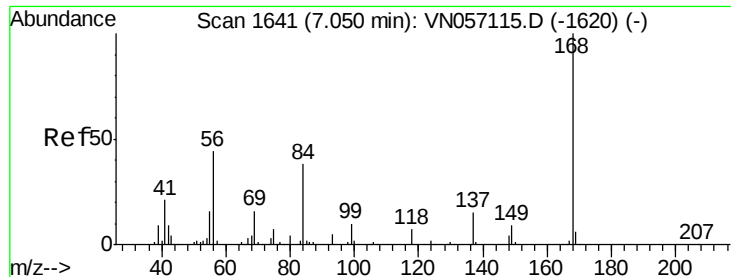
Instrument :
MSVOA_N
ClientSampleId :
VN0811WBSD01

Manual Integrations
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MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBSD01

Tgt Ion:168 Resp: 1134538

Ion Ratio Lower Upper

168 100

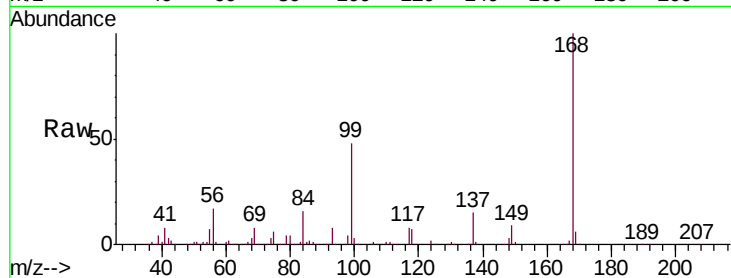
99 47.9 38.6 57.8

Manual Integrations

APPROVED

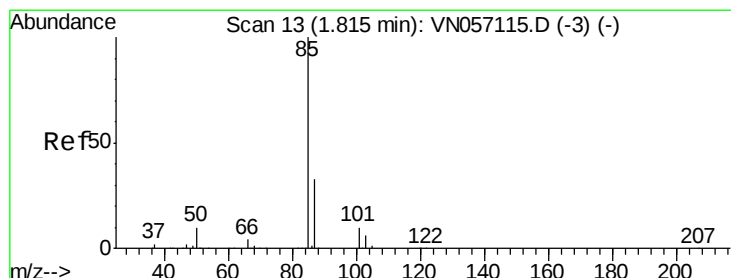
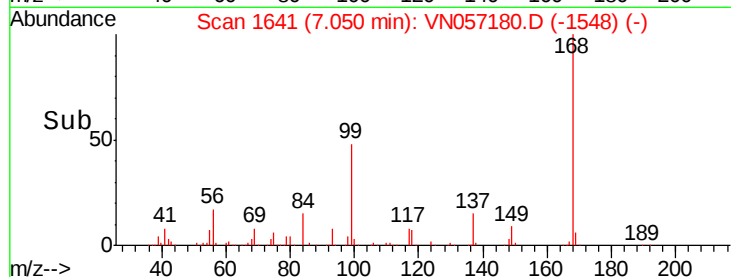
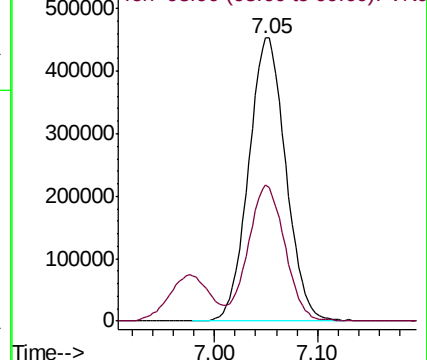
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Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 17.772 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057180.D

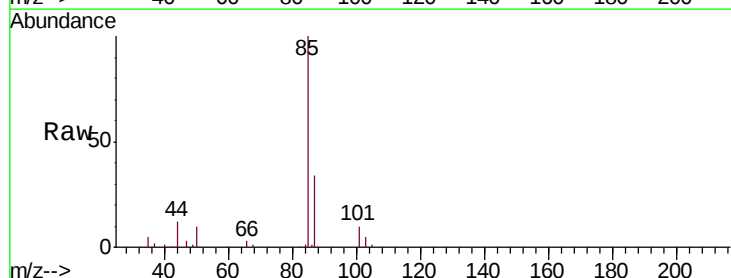
Acq: 11 Aug 2019 12:13

Tgt Ion: 85 Resp: 162057

Ion Ratio Lower Upper

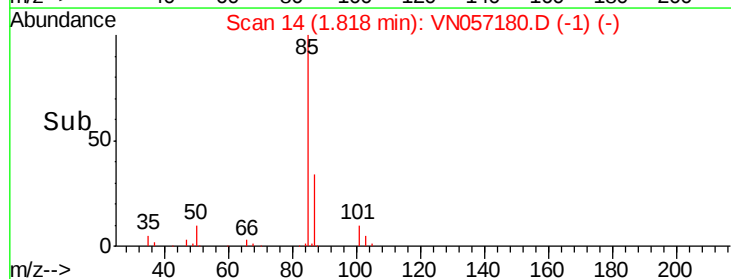
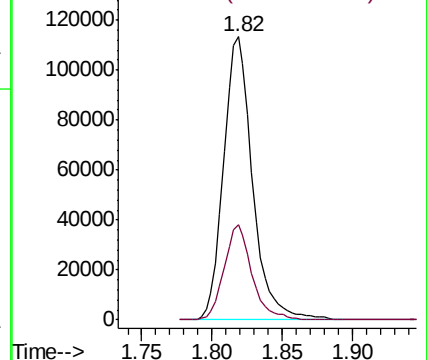
85 100

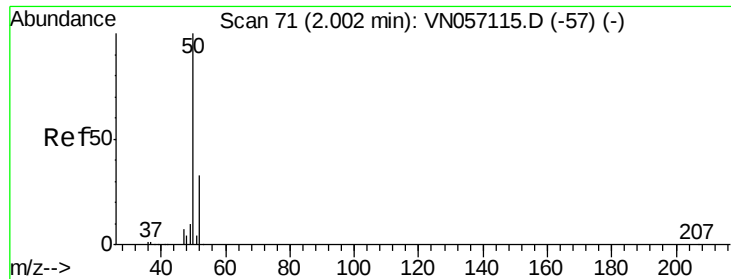
87 33.6 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 16.655 ug/l

RT: 2.00 min Scan# 69

Delta R.T. -0.01 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBSD01

Tgt Ion: 50 Resp: 201792

Ion Ratio Lower Upper

50 100

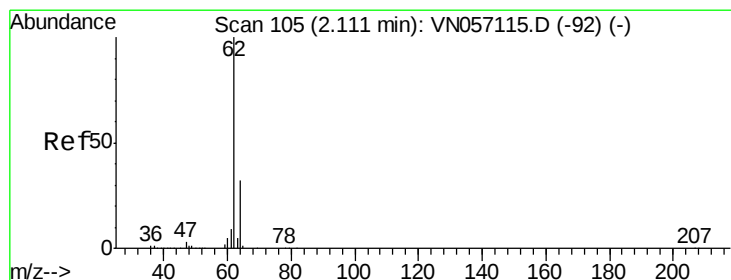
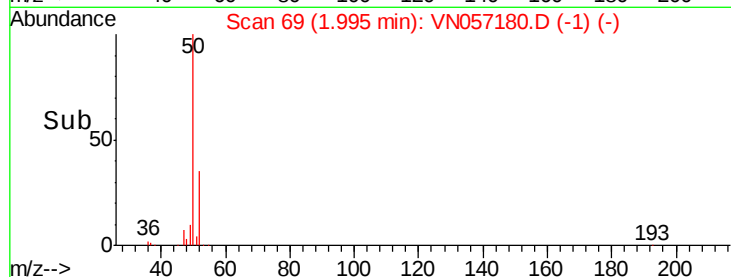
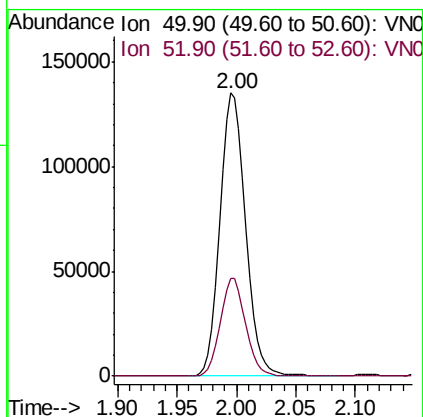
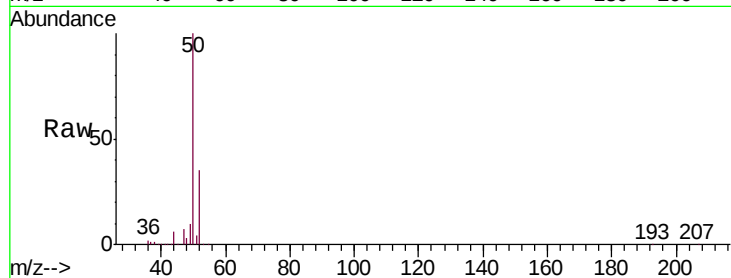
52 34.6 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.800 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057180.D

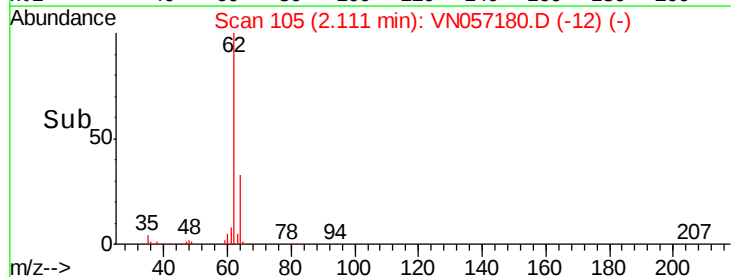
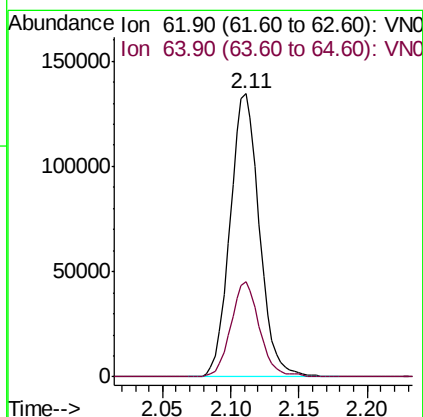
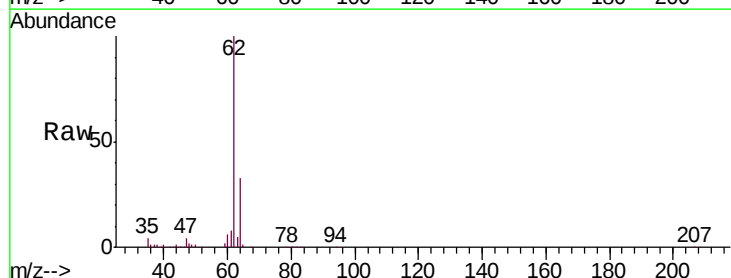
Acq: 11 Aug 2019 12:13

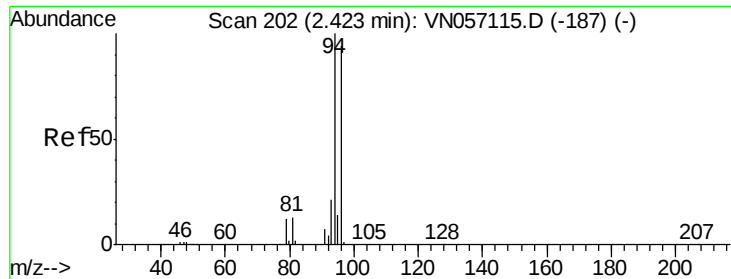
Tgt Ion: 62 Resp: 200463

Ion Ratio Lower Upper

62 100

64 33.4 25.4 38.0





#5

Bromomethane

Concen: 19.500 ug/l

RT: 2.43 min Scan# 204

Delta R.T. 0.01 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

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ClientSampleId :

VN0811WBSD01

Tgt Ion: 94 Resp: 149215

Ion Ratio Lower Upper

94 100

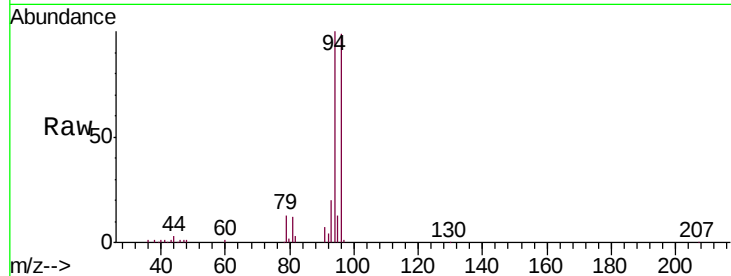
96 98.7 75.0 112.4

Manual Integrations

APPROVED

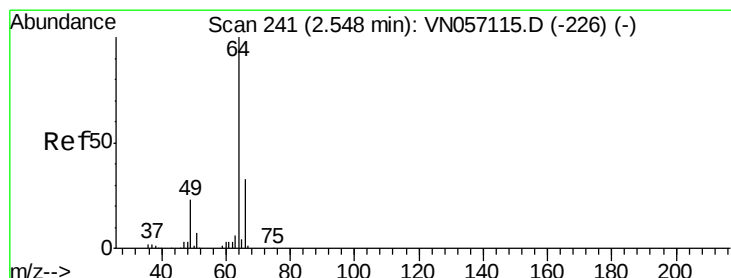
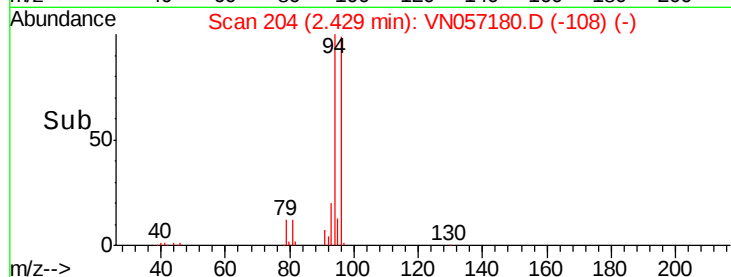
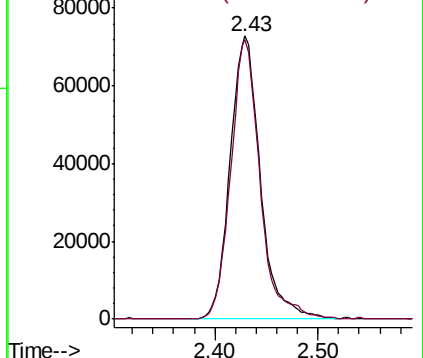
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.077 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN057180.D

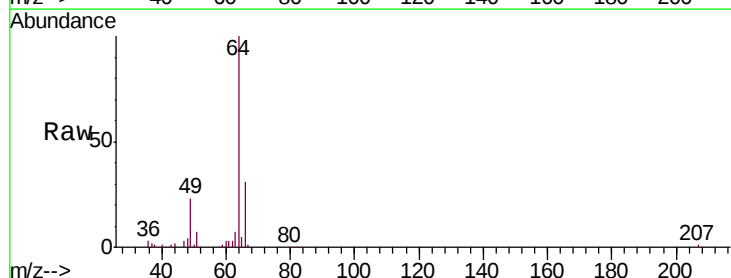
Acq: 11 Aug 2019 12:13

Tgt Ion: 64 Resp: 137804

Ion Ratio Lower Upper

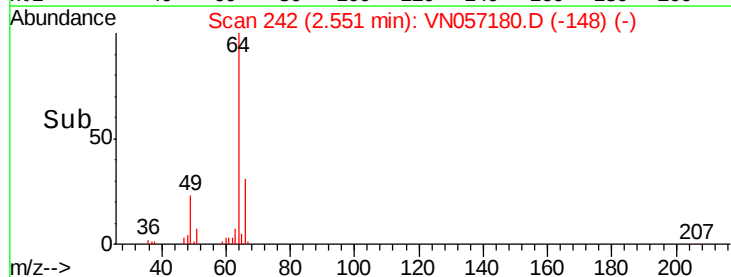
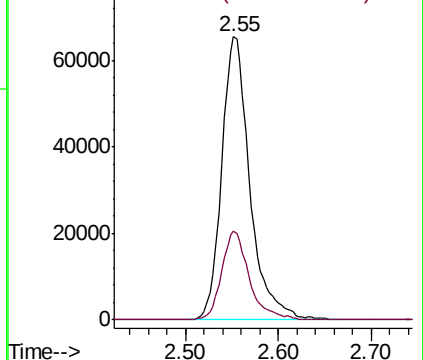
64 100

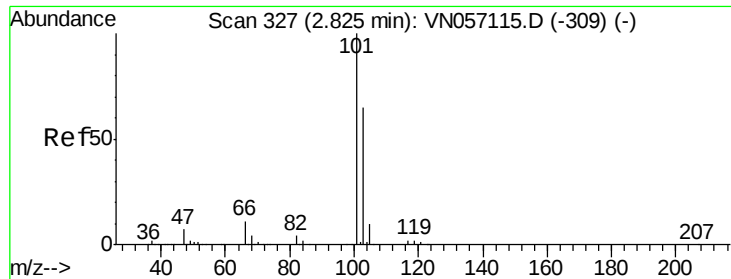
66 31.5 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

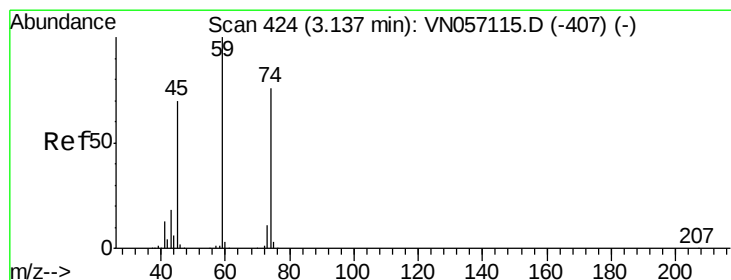
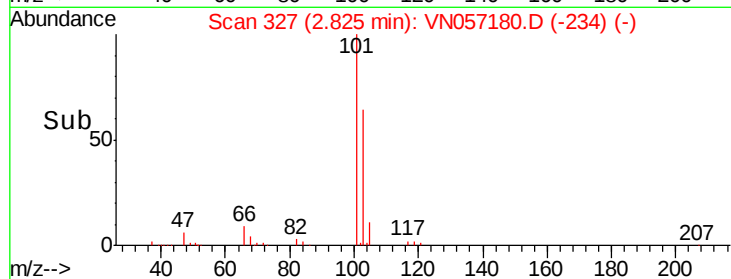
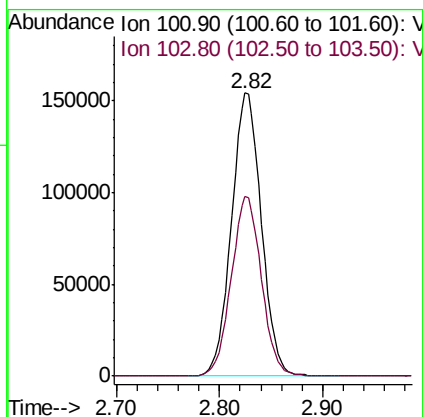
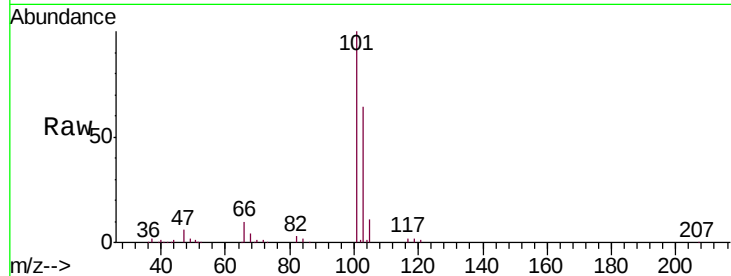
Trichlorofluoromethane
 Concen: 19.257 ug/l
 RT: 2.82 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Instrument :
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 ClientSampleId :
 VN0811WBSD01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.2	78.4

Manual Integrations
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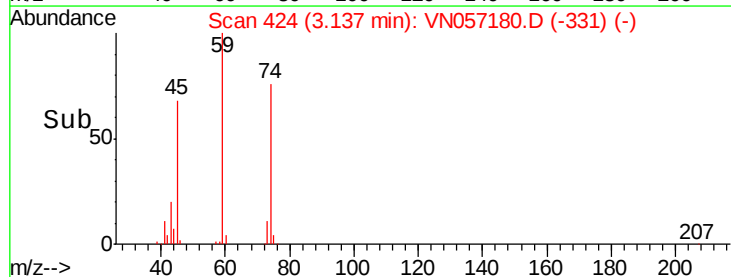
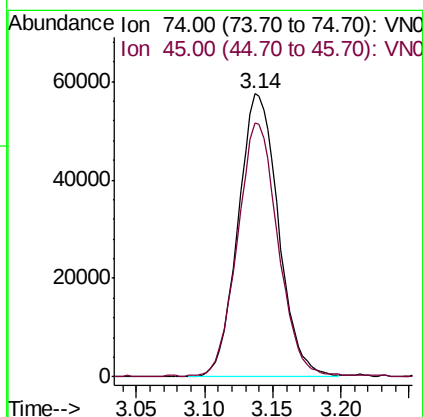
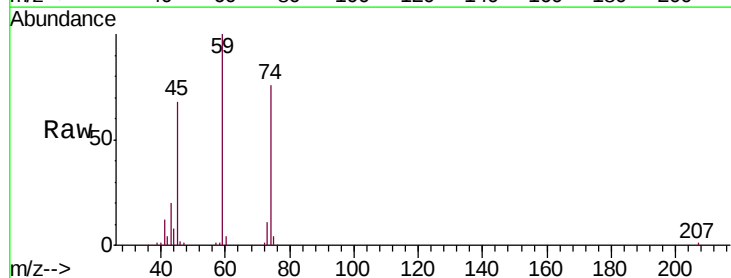
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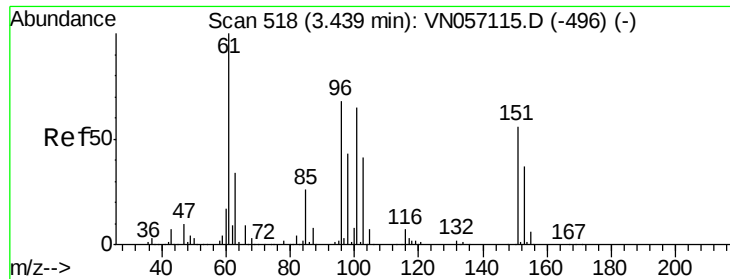


#8

Diethyl Ether
 Concen: 18.872 ug/l
 RT: 3.14 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.3	46.3	138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.440 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

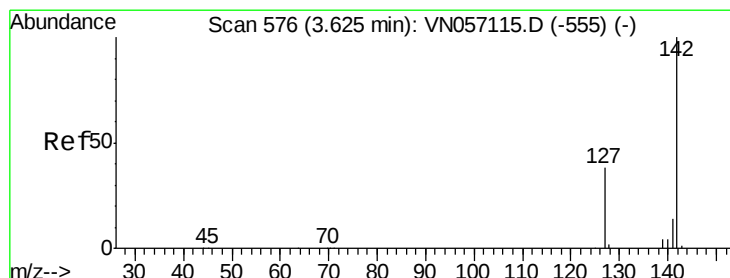
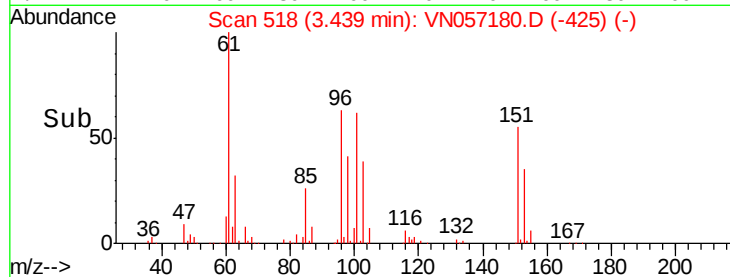
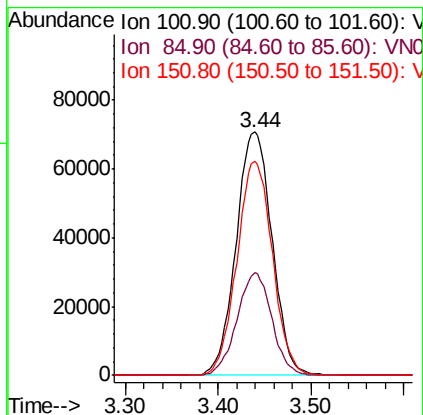
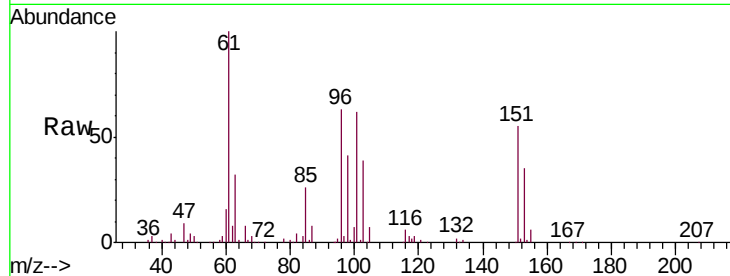
ClientSampleId :

VN0811WBSD01

Tgt Ion:	101	Resp:	190764
Ion Ratio	Lower	Upper	
101	100		
85	40.7	32.3	48.5
151	86.9	69.4	104.0

Manual Integrations
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#10

Methyl Iodide

Concen: 19.599 ug/l

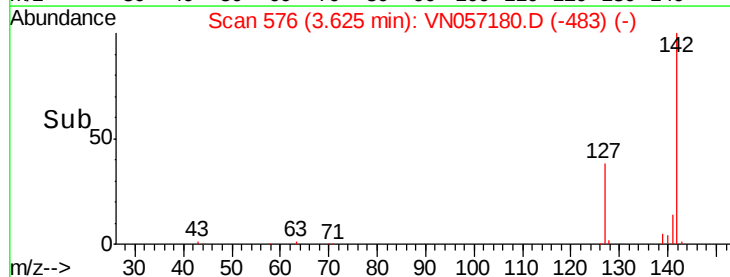
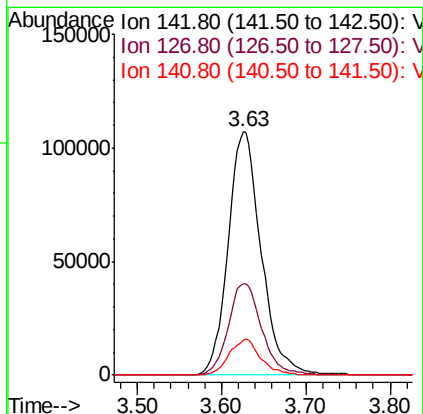
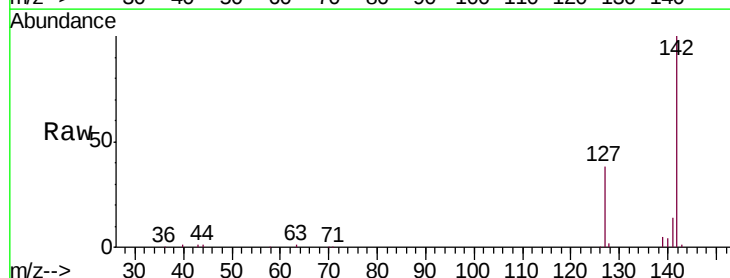
RT: 3.63 min Scan# 576

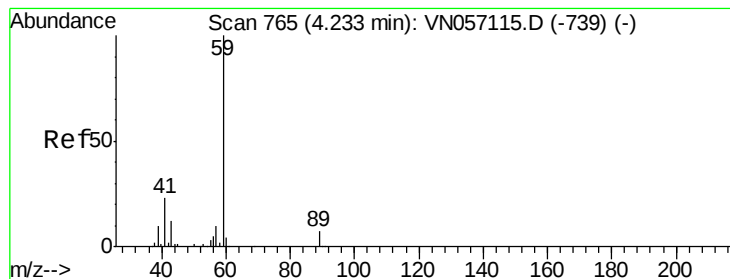
Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Tgt Ion:	142	Resp:	290631
Ion Ratio	Lower	Upper	
142	100		
127	38.1	31.0	46.6
141	14.2	11.2	16.8





#11

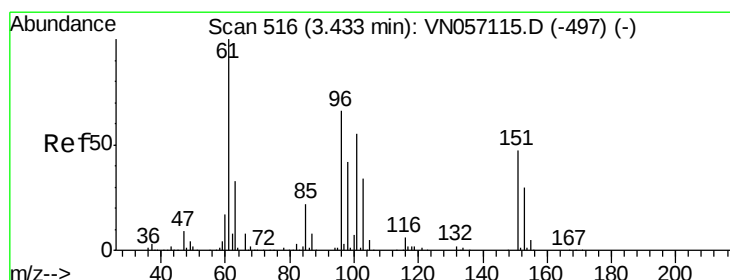
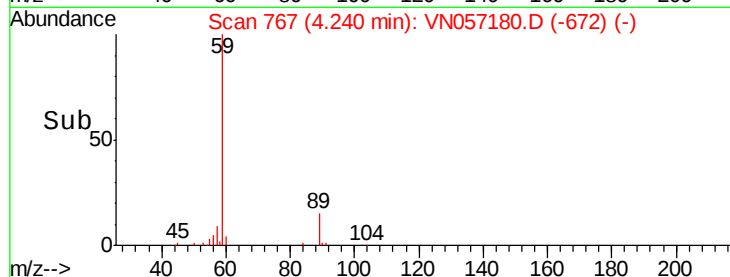
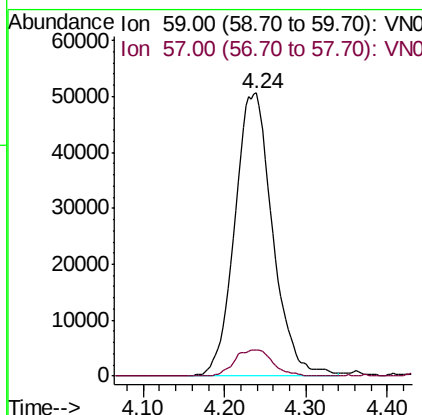
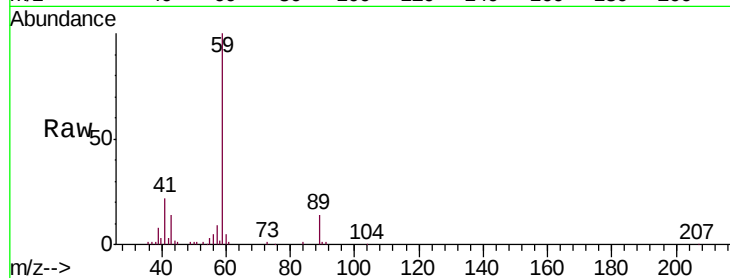
Tert butyl alcohol
 Concen: 97.918 ug/l
 RT: 4.24 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.9	11.9

Manual Integrations
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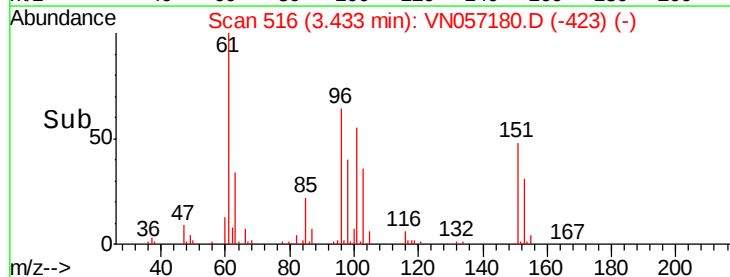
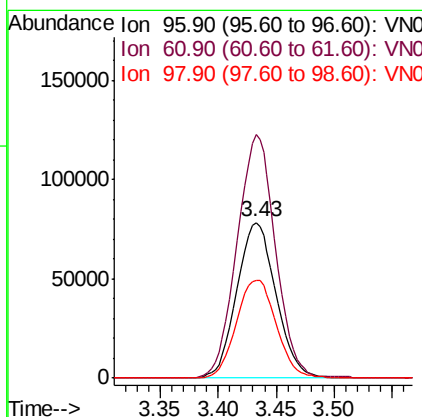
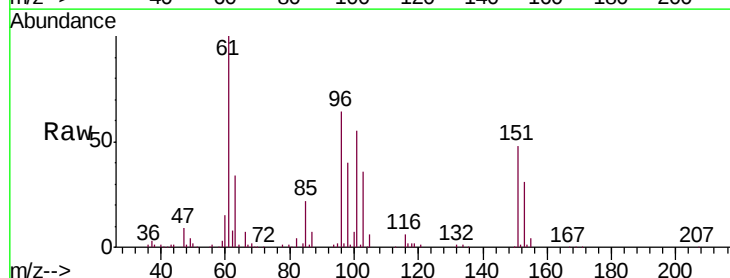
MMDadoda
 8/12/2019 3:41:33 PM

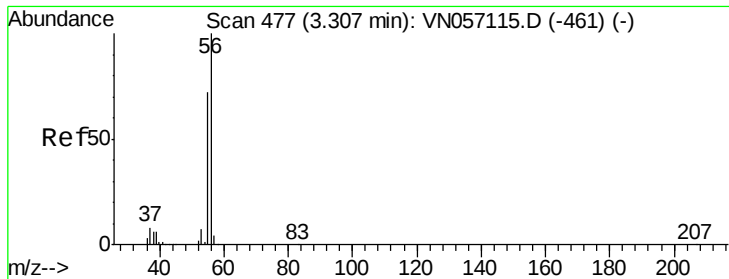


#12

1,1-Dichloroethene
 Concen: 19.045 ug/l
 RT: 3.43 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.8	121.0	181.6
98	63.1	50.8	76.2





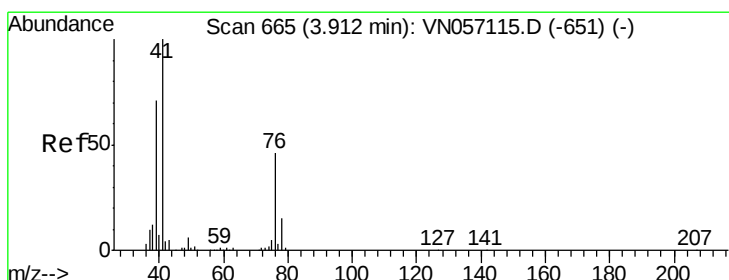
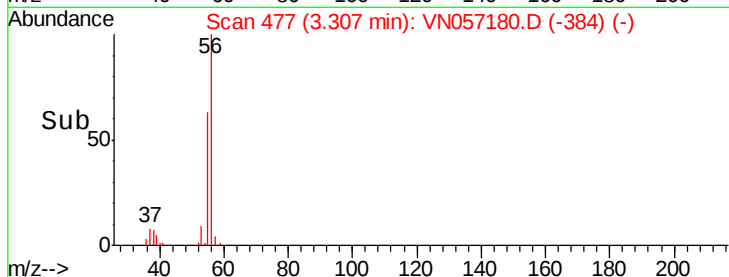
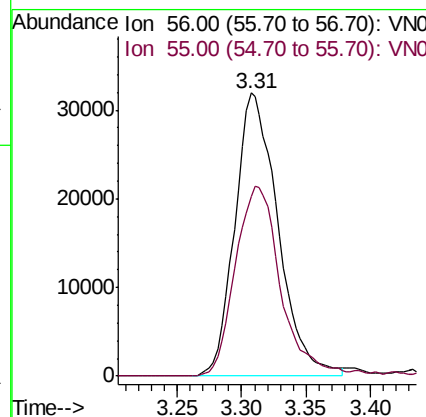
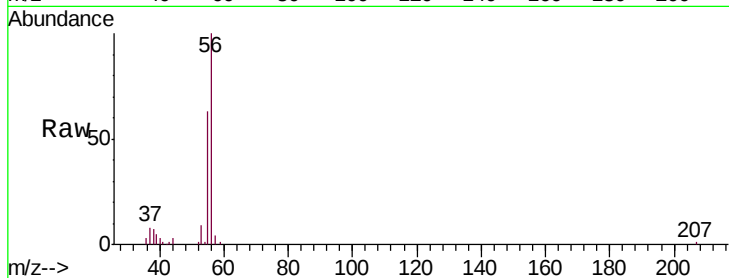
#13
 Acrolein
 Concen: 70.543 ug/l
 RT: 3.31 min Scan# 477
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
55	70.4	57.7	86.5

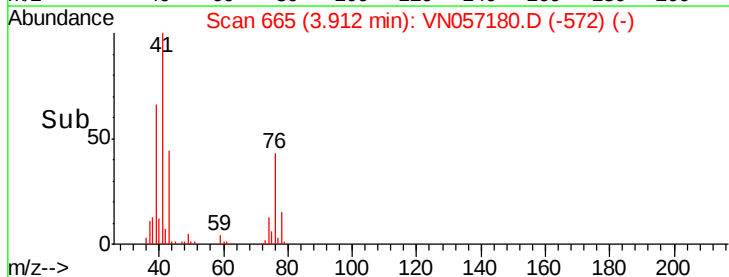
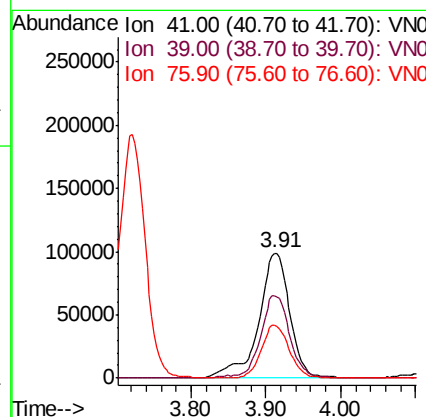
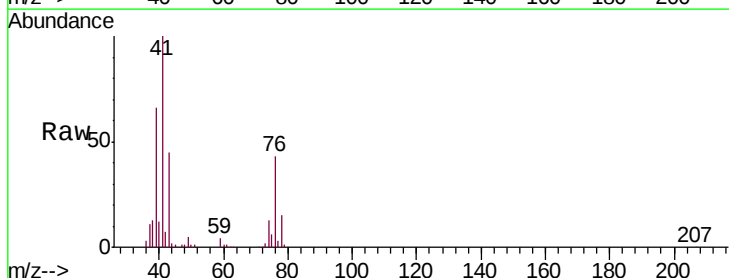
Manual Integrations
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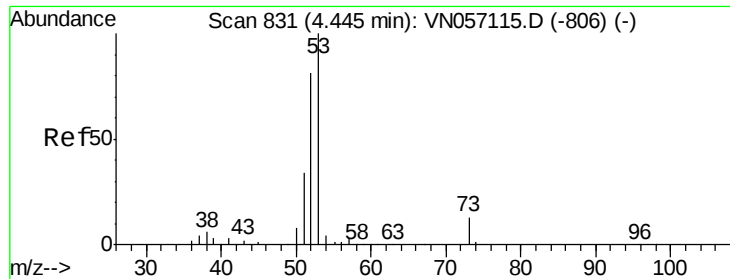
MMDadoda
 8/12/2019 3:41:33 PM



#14
 Allyl chloride
 Concen: 20.482 ug/l
 RT: 3.91 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.2	51.1	76.7
76	37.5	32.8	49.2





#15

Acrylonitrile

Concen: 99.412 ug/l

RT: 4.45 min Scan# 831

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

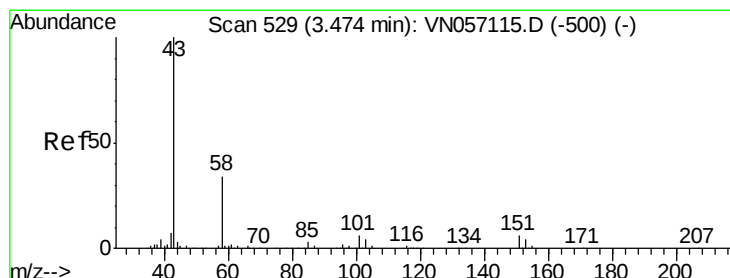
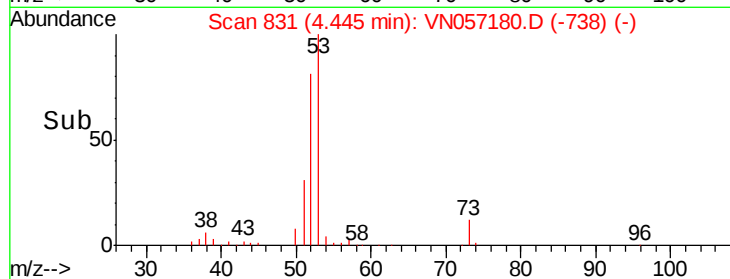
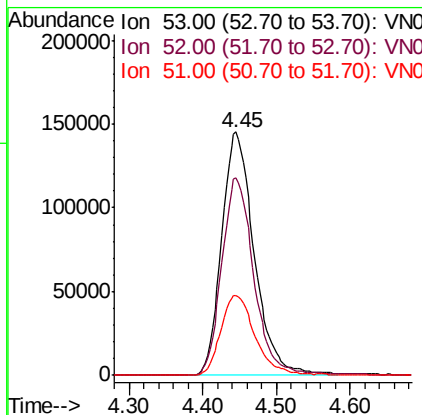
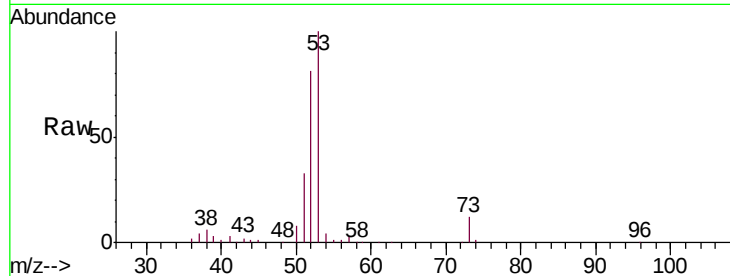
ClientSampleId :

VN0811WBSD01

Tgt Ion:	53	Resp:	446733
Ion	Ratio	Lower	Upper
53	100		
52	80.1	64.9	97.3
51	34.5	27.8	41.6

Manual Integrations
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8/12/2019 3:41:33 PM



#16

Acetone

Concen: 102.855 ug/l

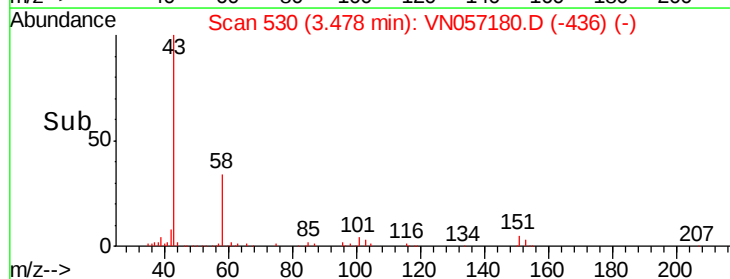
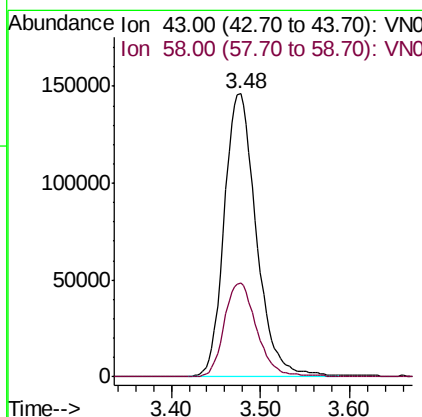
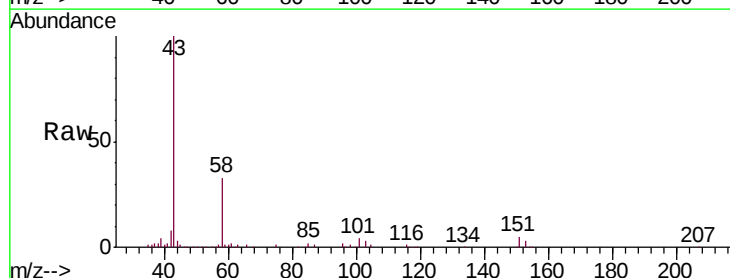
RT: 3.48 min Scan# 530

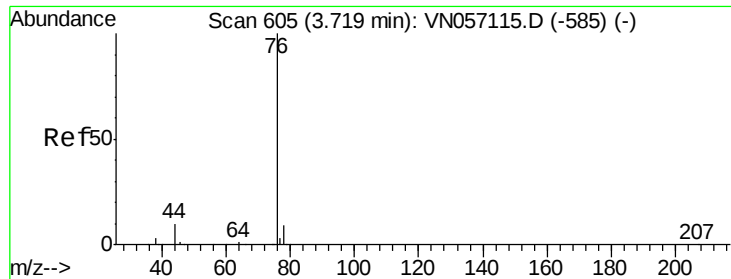
Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Tgt Ion:	43	Resp:	362431
Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.4	41.2





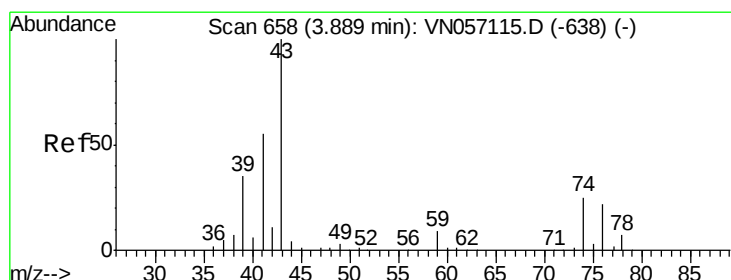
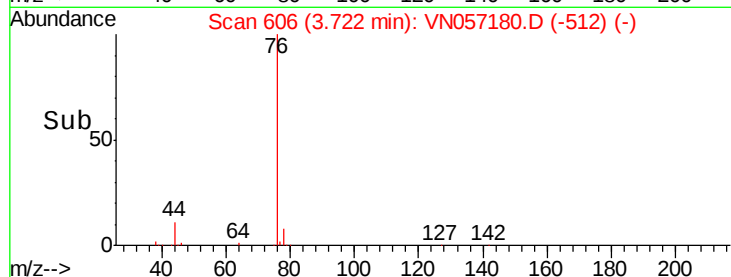
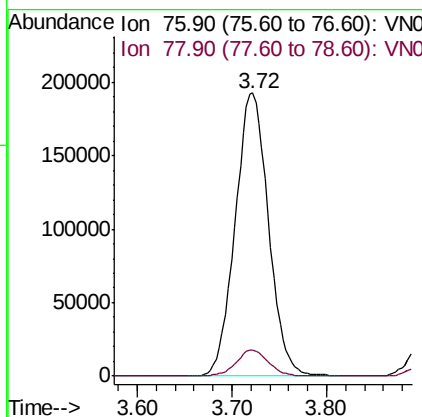
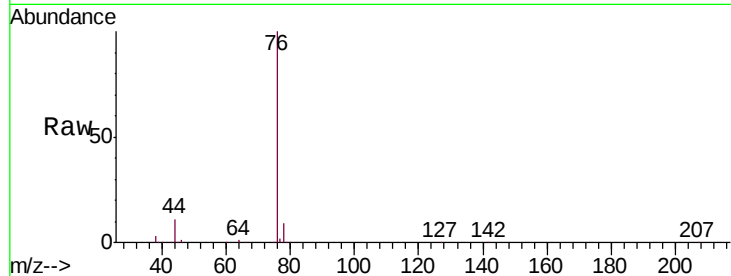
#17
Carbon Disulfide
Concen: 18.362 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBSD01

Tgt Ion: 76 Resp: 471581
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6

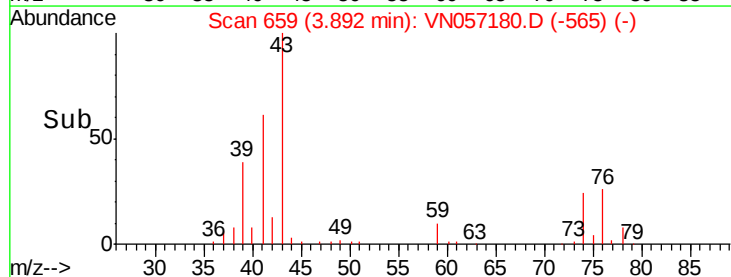
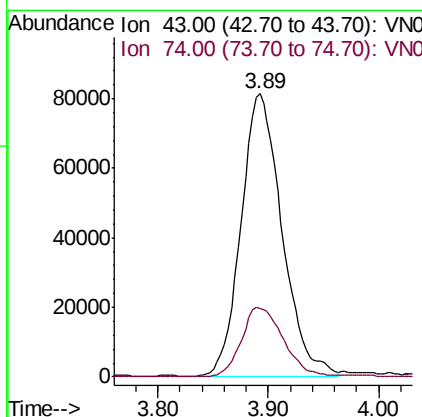
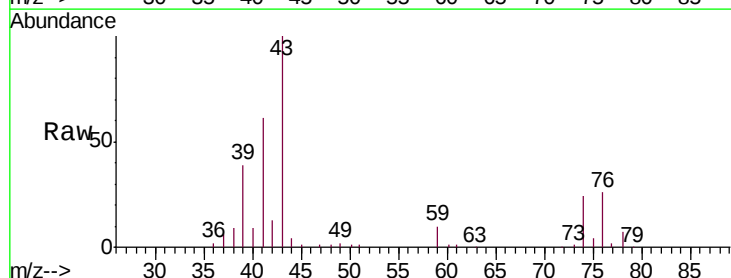
Manual Integrations
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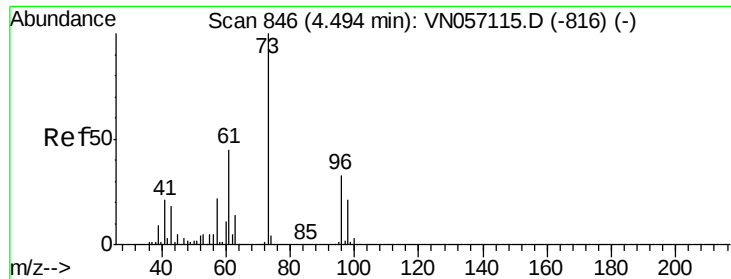
MMDadoda
8/12/2019 3:41:33 PM



#18
Methyl Acetate
Concen: 19.466 ug/l
RT: 3.89 min Scan# 659
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion: 43 Resp: 208585
Ion Ratio Lower Upper
43 100
74 25.4 20.2 30.4





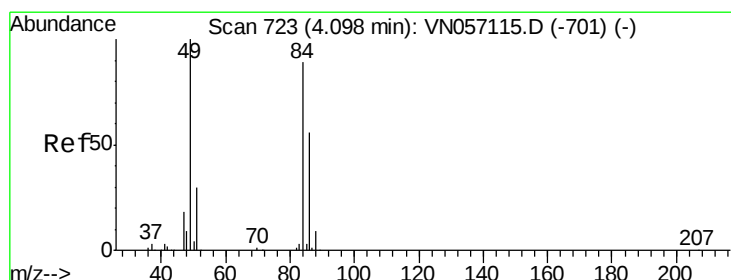
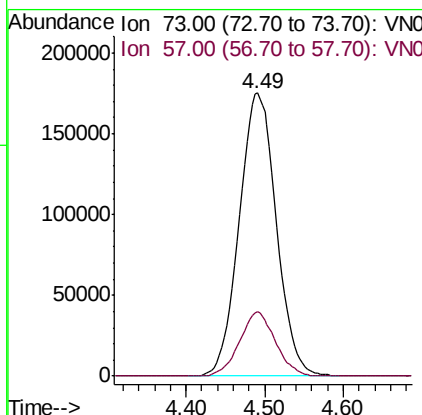
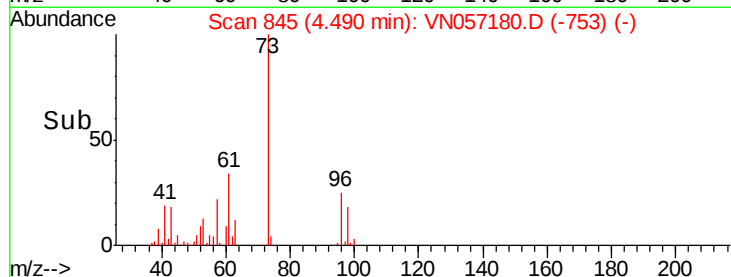
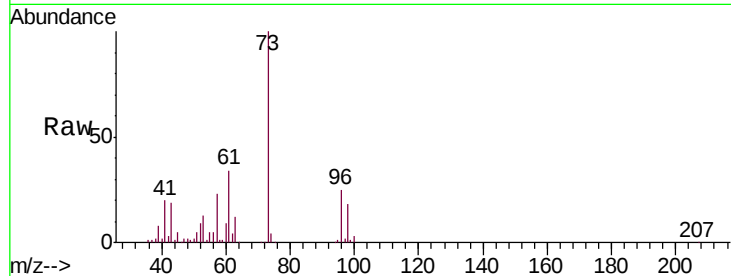
#19
Methyl tert-butyl Ether
Concen: 20.004 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBSD01

Tgt Ion: 73 Resp: 583018
Ion Ratio Lower Upper
73 100
57 22.7 18.0 27.0

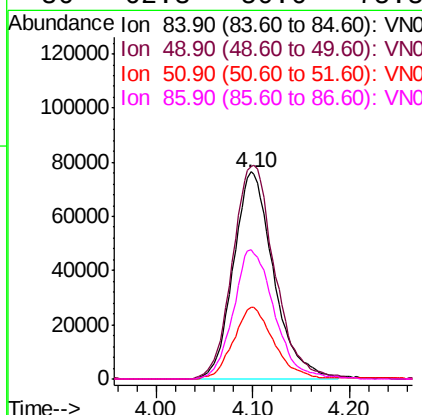
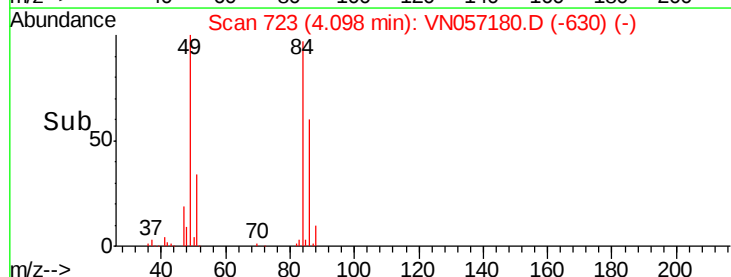
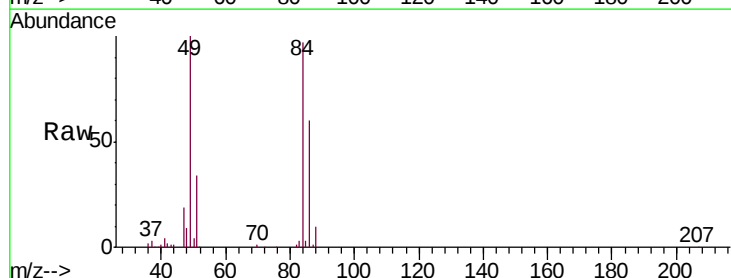
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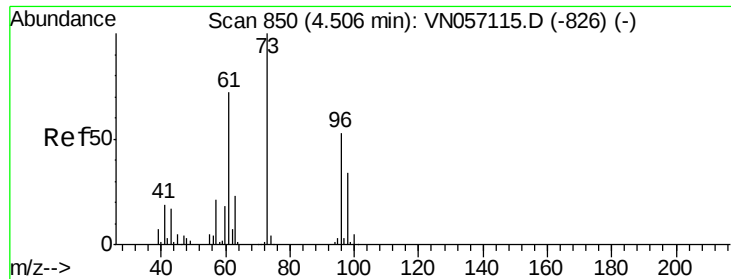
MMDadoda
8/12/2019 3:41:33 PM



#20
Methylene Chloride
Concen: 18.988 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion: 84 Resp: 220814
Ion Ratio Lower Upper
84 100
49 103.0 89.5 134.3
51 34.8 27.2 40.8
86 62.3 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 18.947 ug/l

RT: 4.51 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

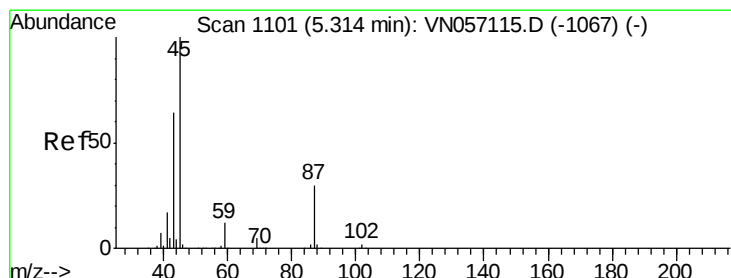
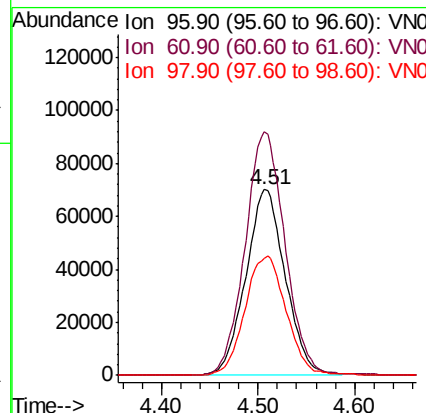
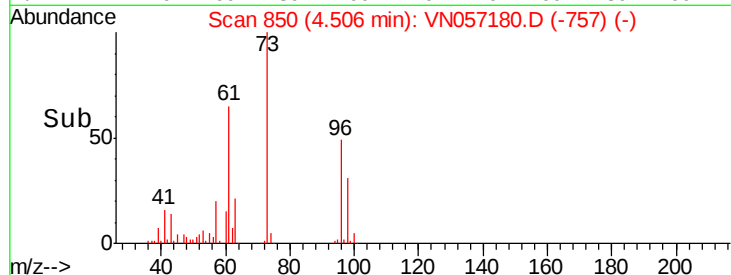
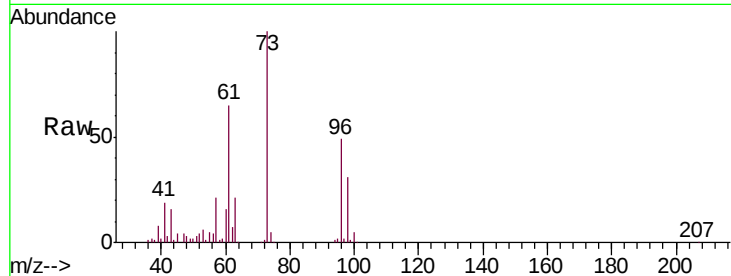
ClientSampleId :

VN0811WBSD01

Tgt Ion:	96	Resp:	199250
Ion	Ratio	Lower	Upper
96	100		
61	131.2	108.1	162.1
98	63.2	50.5	75.7

Manual Integrations
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MMDadoda
8/12/2019 3:41:33 PM



#22

Diisopropyl ether

Concen: 19.851 ug/l

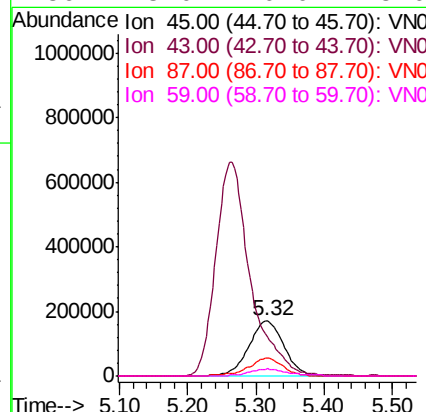
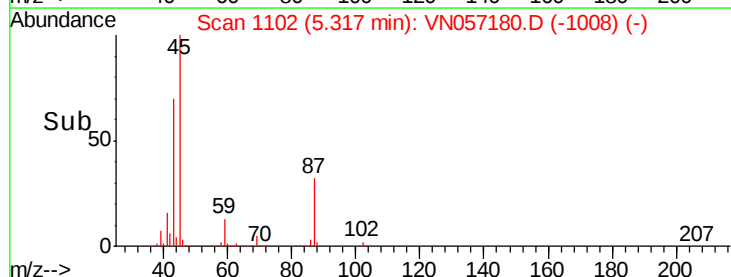
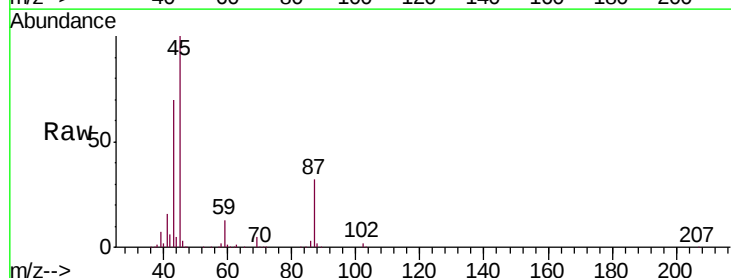
RT: 5.32 min Scan# 1102

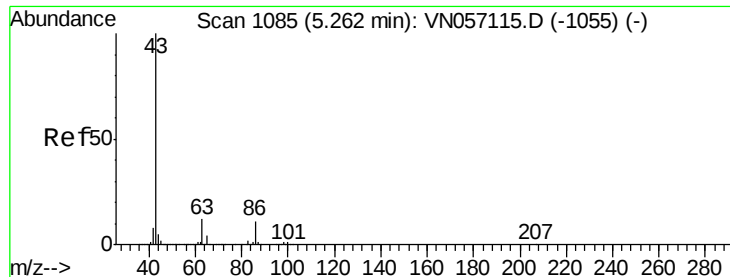
Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Tgt Ion:	45	Resp:	607463
Ion	Ratio	Lower	Upper
45	100		
43	68.5	54.1	81.1
87	32.1	24.0	36.0
59	13.0	10.0	15.0





#23

Vinyl Acetate

Concen: 99.893 ug/l

RT: 5.26 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBSD01

Tgt Ion: 43 Resp: 2340847

Ion Ratio Lower Upper

43 100

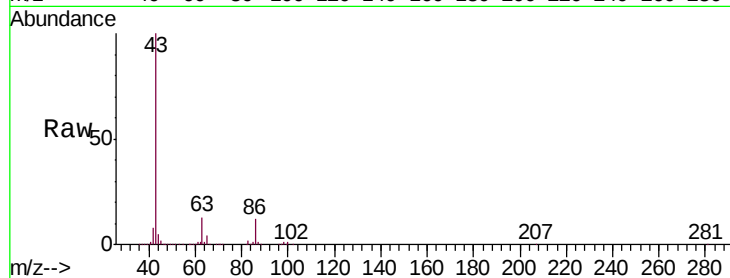
86 11.6 9.2 13.8

Manual Integrations

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MMDadoda

8/12/2019 3:41:33 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.26

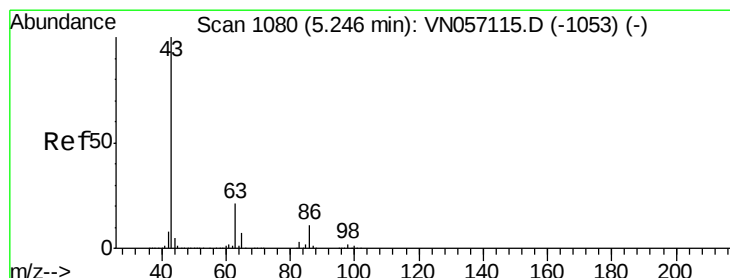
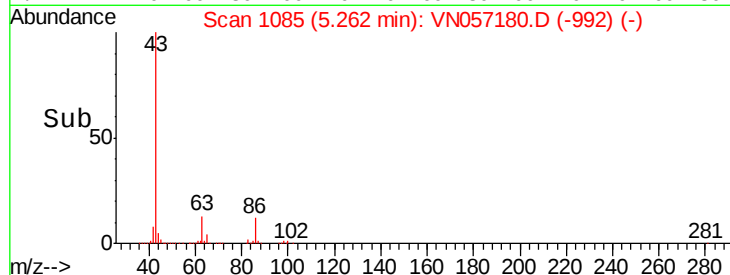
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.374 ug/l

RT: 5.25 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

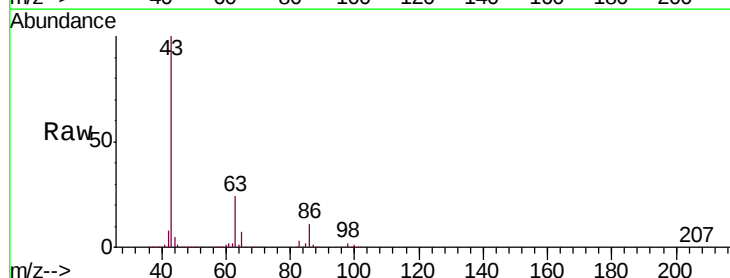
Tgt Ion: 63 Resp: 364454

Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.2

100 3.9 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

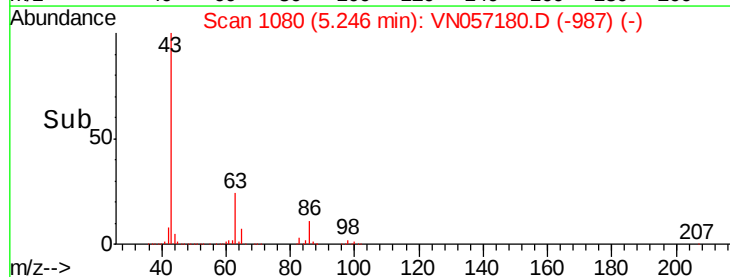
150000

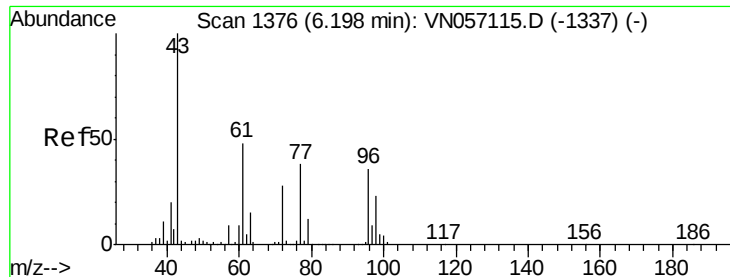
100000

50000

0

Time-->





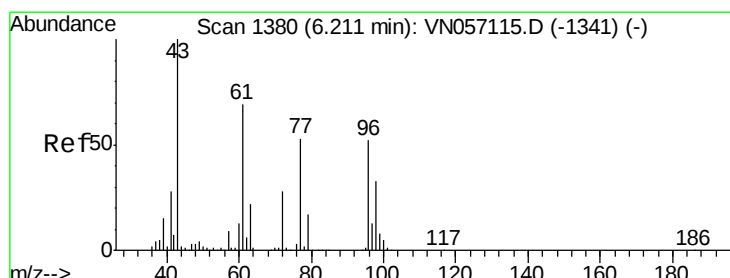
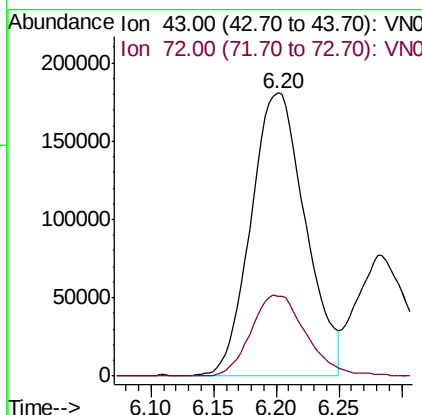
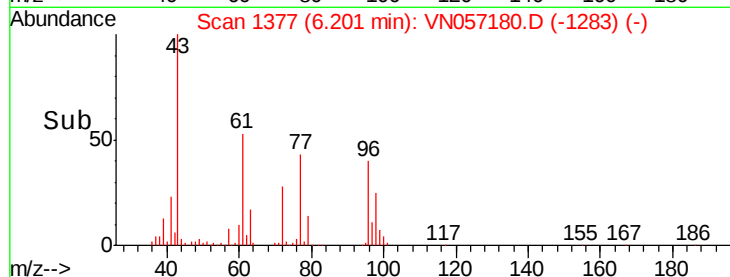
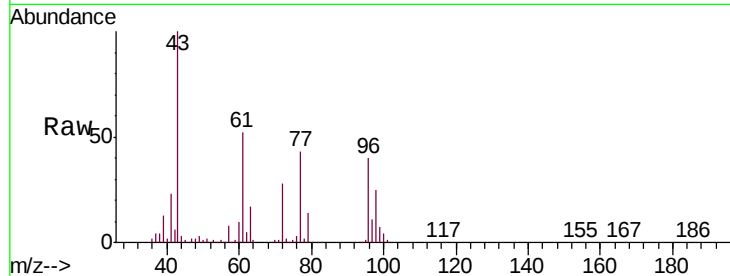
#25
2-Butanone
Concen: 101.146 ug/l
RT: 6.20 min Scan# 1377
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBSD01

Tgt Ion: 43 Resp: 544540
Ion Ratio Lower Upper
43 100
72 28.5 22.2 33.4

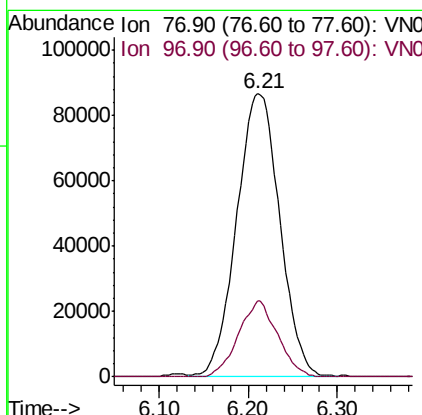
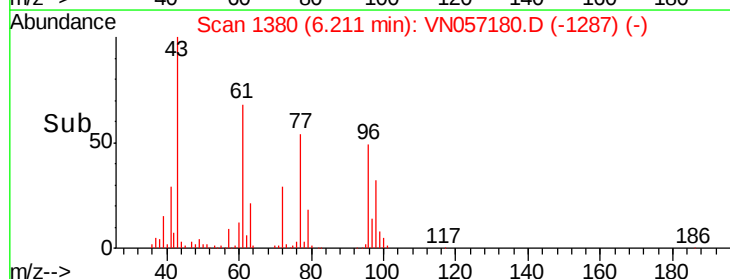
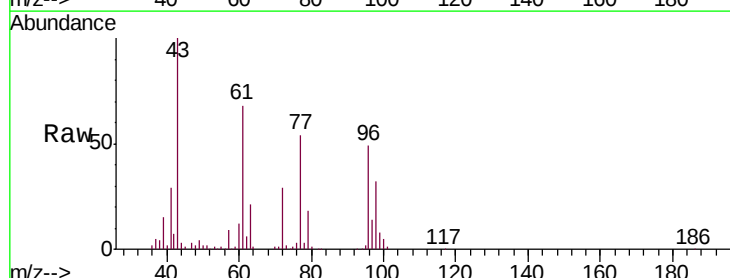
Manual Integrations
APPROVED

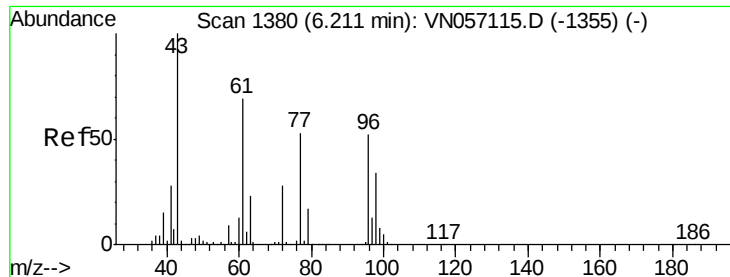
MMDadoda
8/12/2019 3:41:33 PM



#26
2,2-Dichloropropane
Concen: 21.193 ug/l
RT: 6.21 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion: 77 Resp: 290058
Ion Ratio Lower Upper
77 100
97 24.5 12.3 36.8





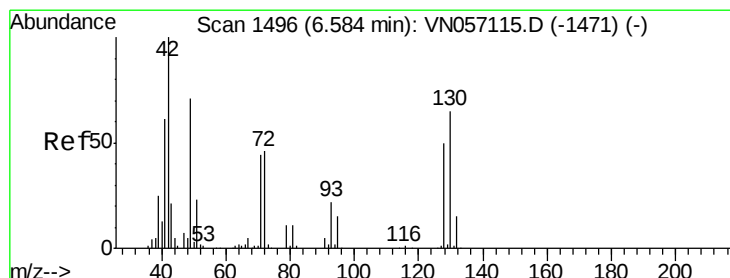
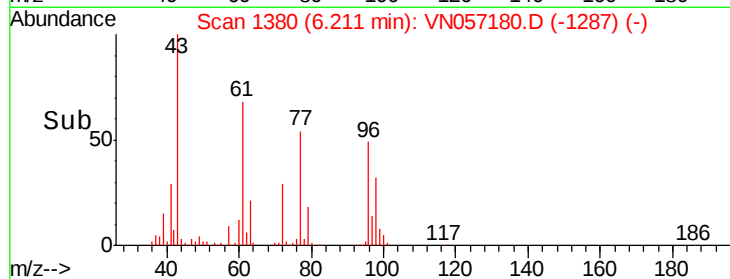
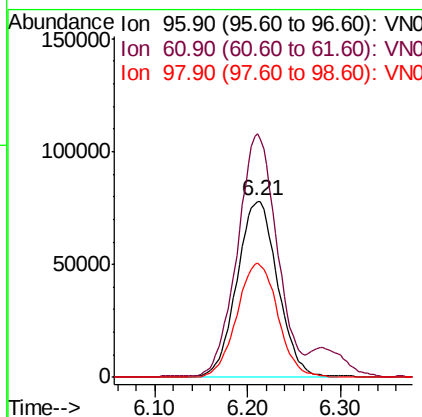
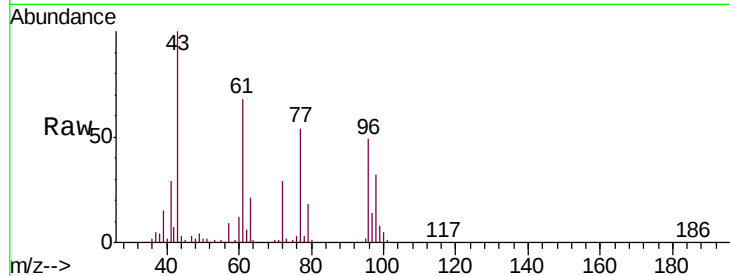
#27
 cis-1,2-Dichloroethene
 Concen: 19.824 ug/l
 RT: 6.21 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	238828		
61	133.1	0.0	273.4	
98	65.0	0.0	130.4	

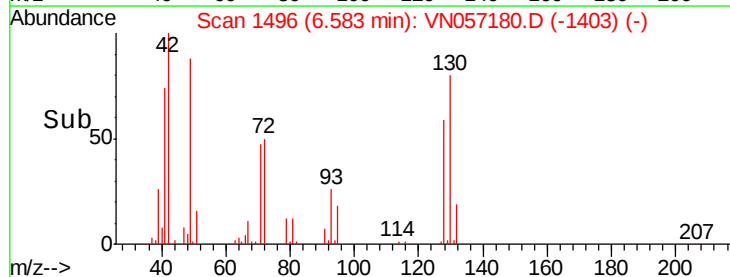
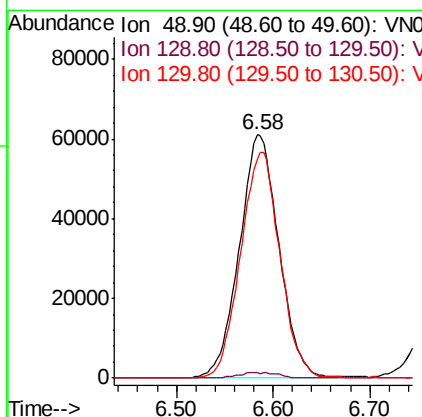
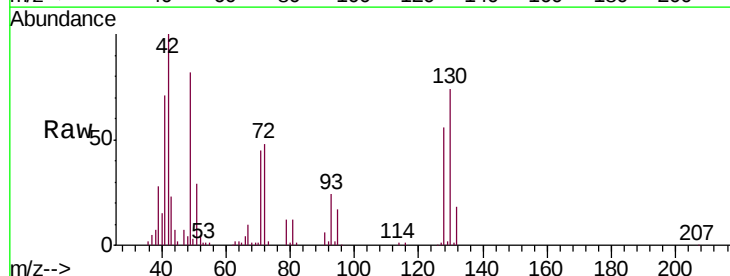
Manual Integrations
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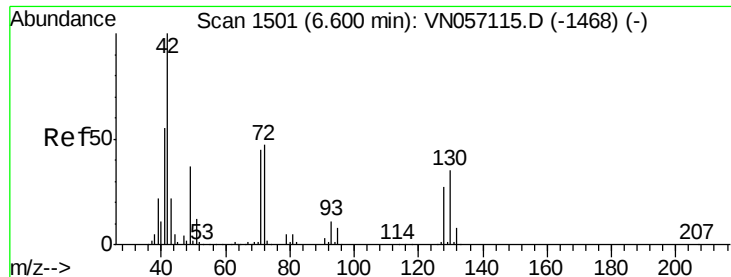
MMDadoda
 8/12/2019 3:41:33 PM



#28
 Bromochloromethane
 Concen: 20.032 ug/l
 RT: 6.58 min Scan# 1496
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	173336		
129	1.3	0.0	4.8	
130	92.1	73.8	110.8	





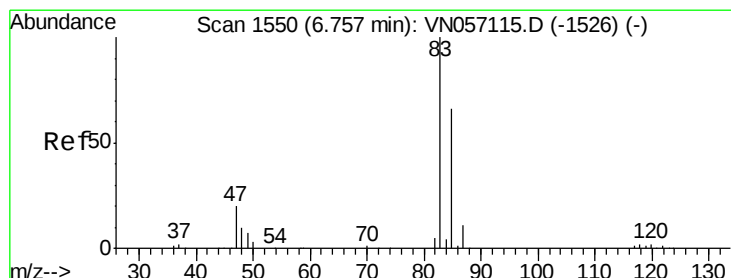
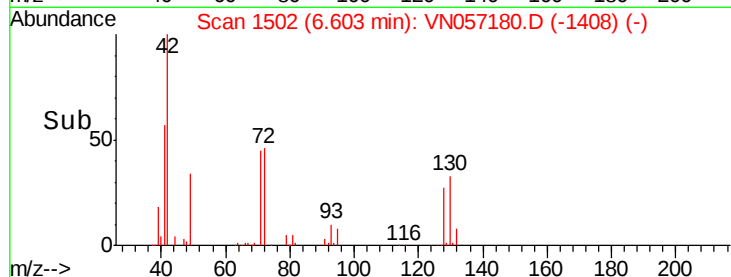
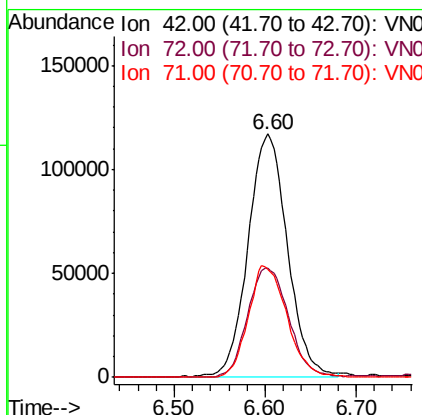
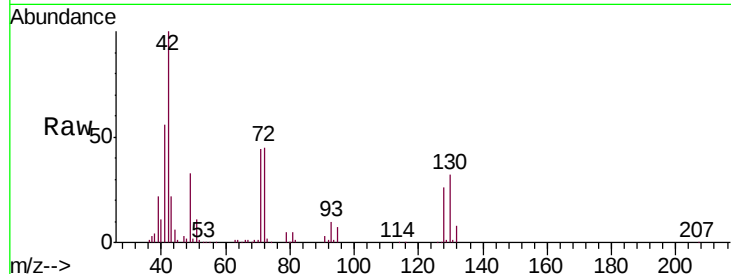
#29
Tetrahydrofuran
Concen: 96.058 ug/l
RT: 6.60 min Scan# 1502
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.1	55.7
71	45.5	34.8	52.2

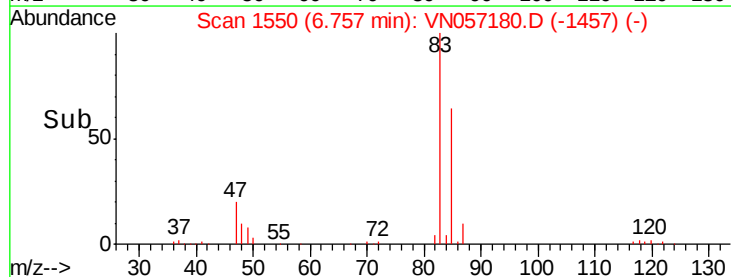
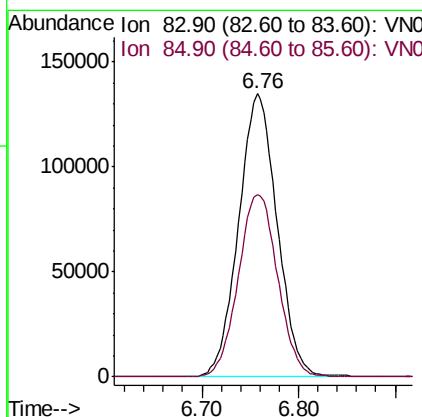
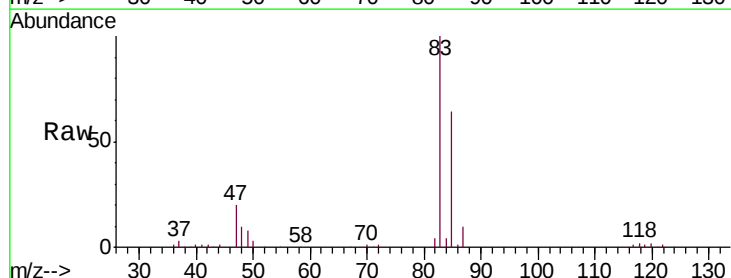
Manual Integrations
APPROVED

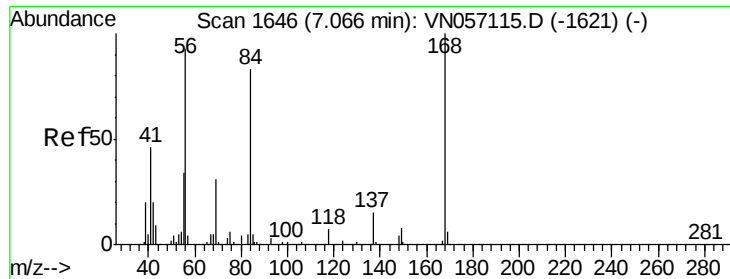
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8/12/2019 3:41:33 PM



#30
Chloroform
Concen: 19.133 ug/l
RT: 6.76 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.6	78.8





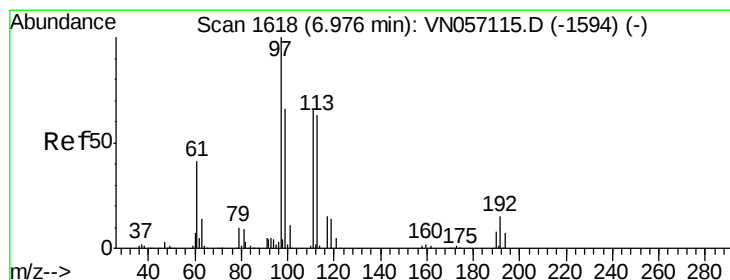
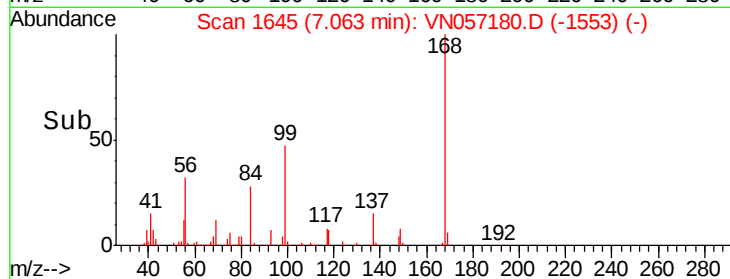
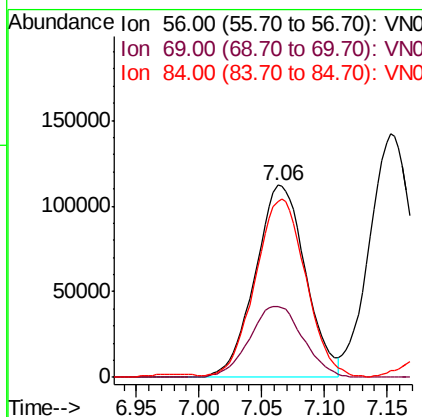
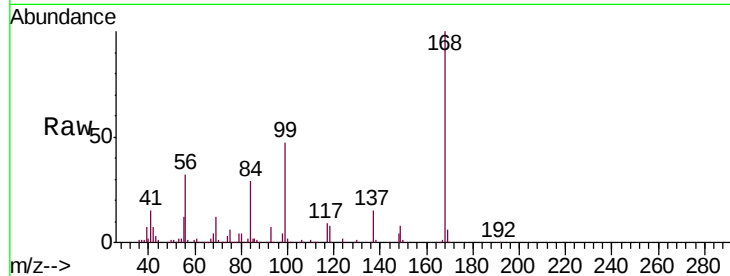
#31
Cyclohexane
Concen: 18.522 ug/l
RT: 7.06 min Scan# 1645
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.8	26.9	40.3
84	90.2	71.9	107.9

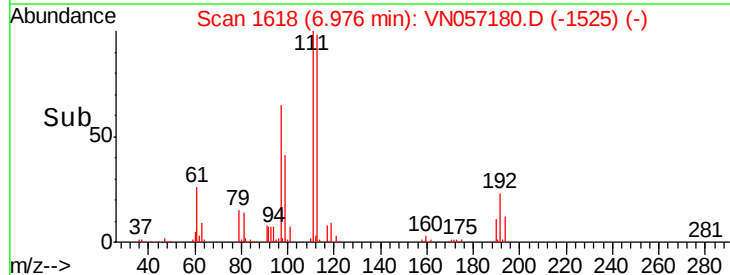
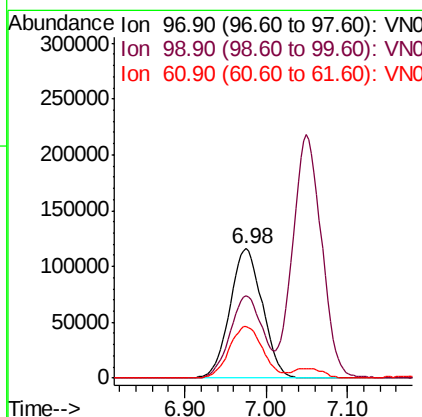
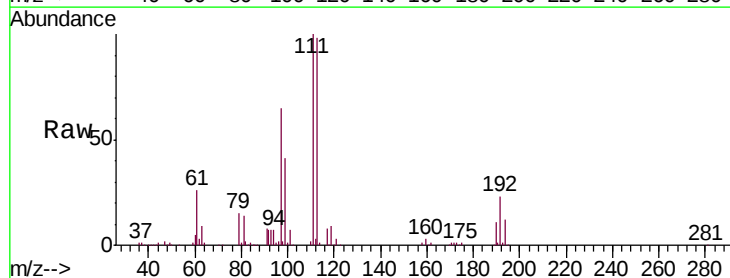
Manual Integrations
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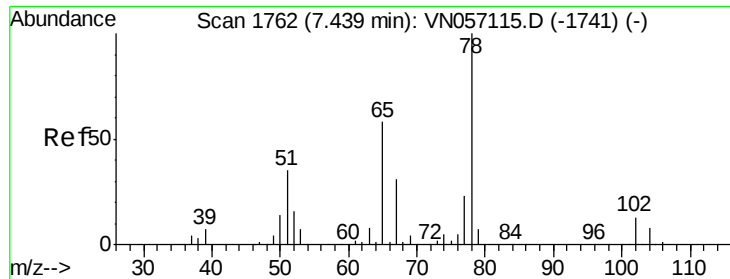
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.799 ug/l
RT: 6.98 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.8	77.6
61	41.6	32.7	49.1





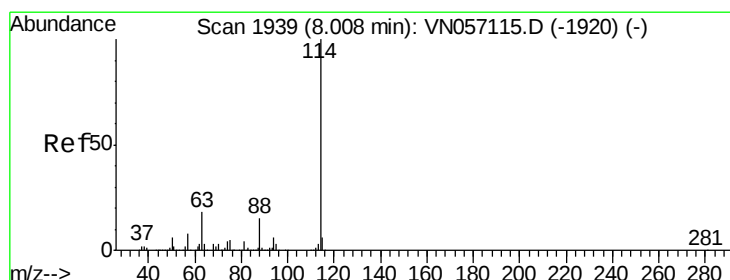
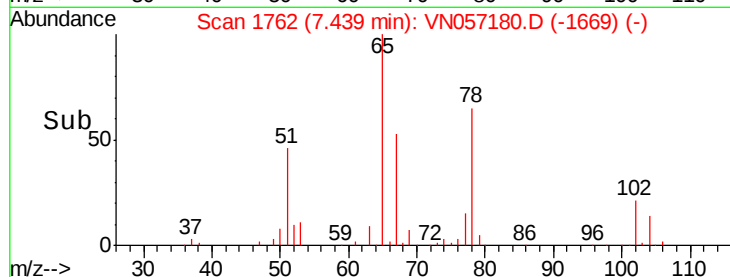
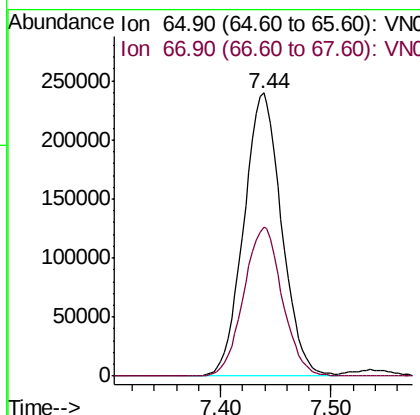
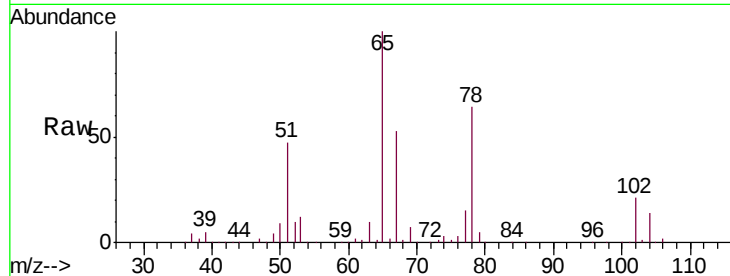
#33
 1,2-Dichloroethane-d4
 Concen: 48.850 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	569971		
67	53.6	0.0	108.2	

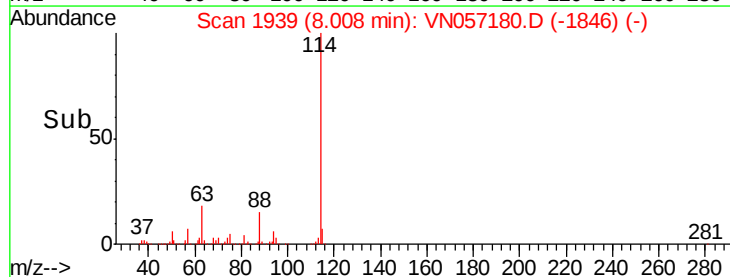
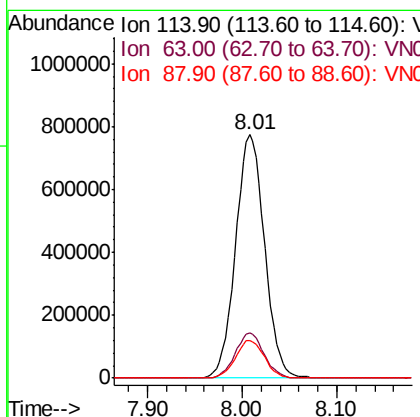
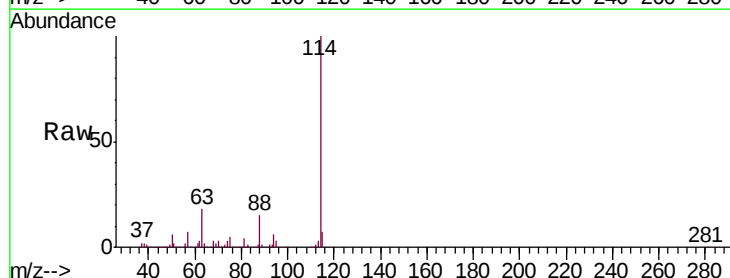
Manual Integrations
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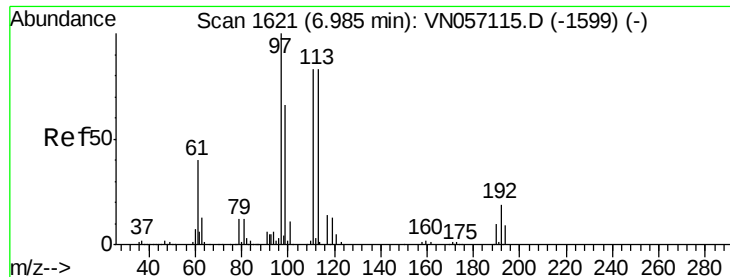
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 8/12/2019 3:41:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1648087		
63	18.3	0.0	36.2	
88	15.4	0.0	30.0	





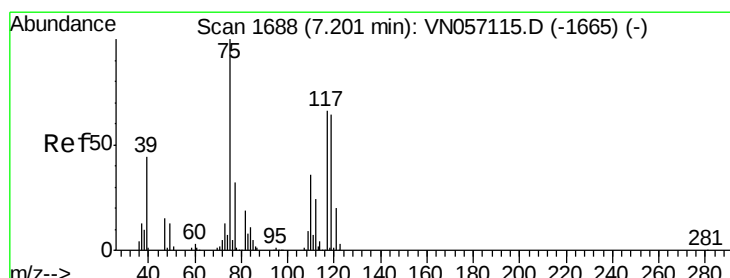
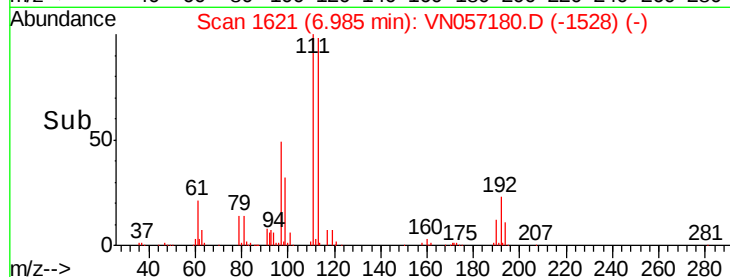
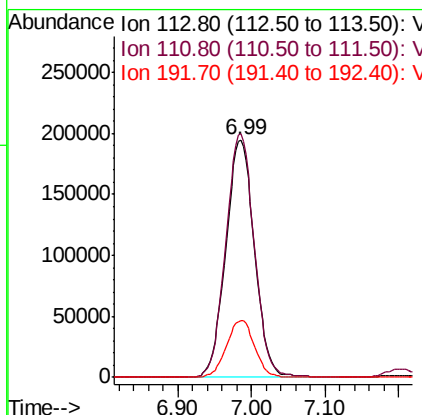
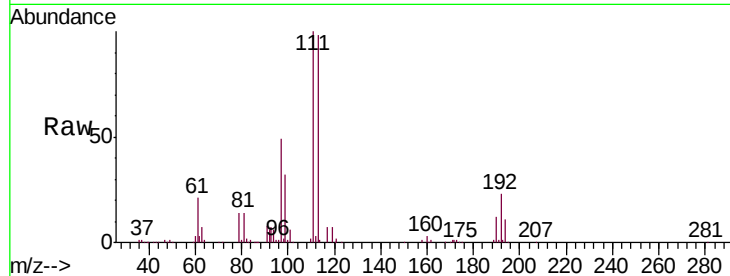
#35
Dibromofluoromethane
Concen: 50.759 ug/l
RT: 6.99 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBSD01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.3	121.9
192	23.6	19.0	28.4

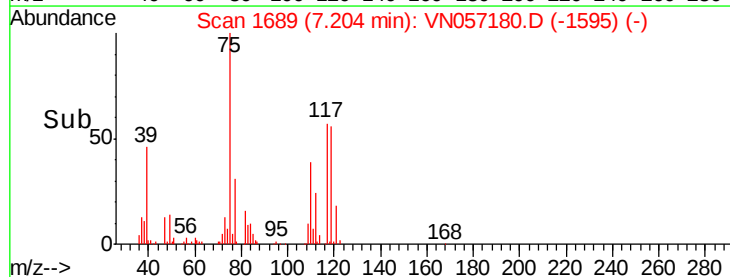
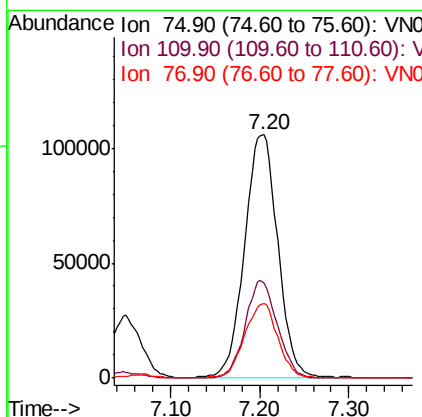
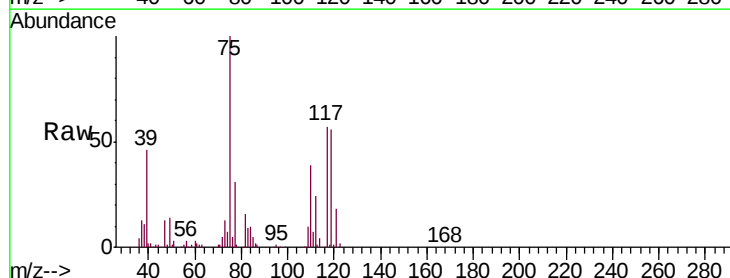
Manual Integrations
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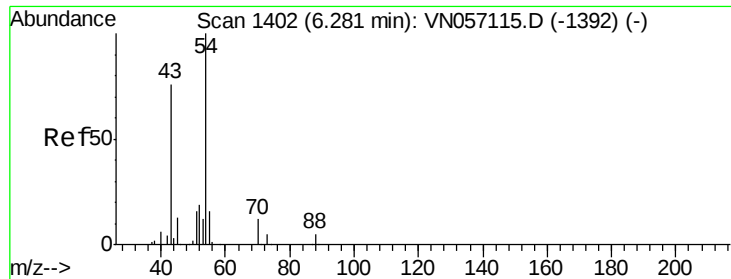
MMDadoda
8/12/2019 3:41:33 PM



#36
1,1-Dichloropropene
Concen: 20.379 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	18.7	56.1
77	30.6	25.0	37.4





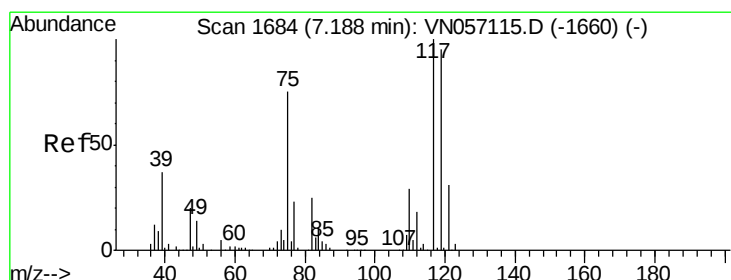
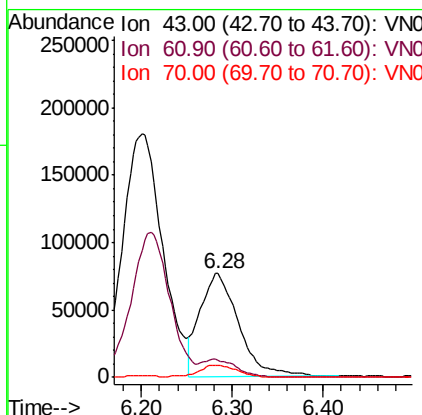
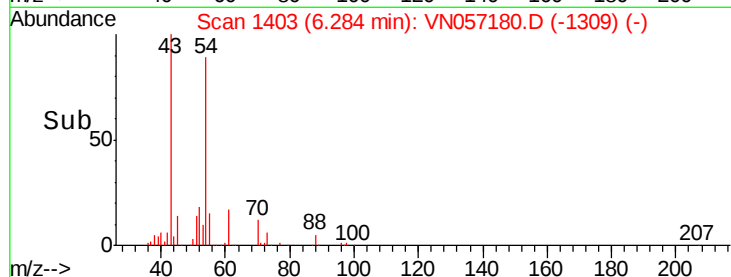
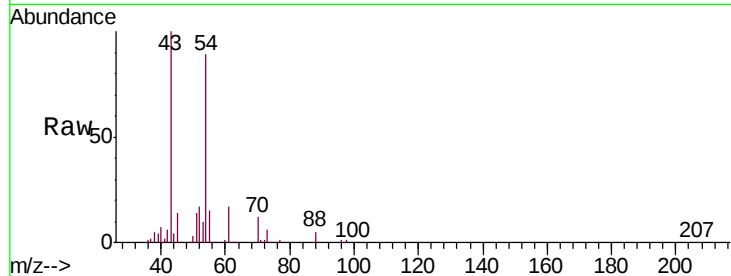
#37
 Ethyl Acetate
 Concen: 20.137 ug/l
 RT: 6.28 min Scan# 1403
 Delta R.T. 0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	0.0	0.0
70	12.1	9.1	13.7

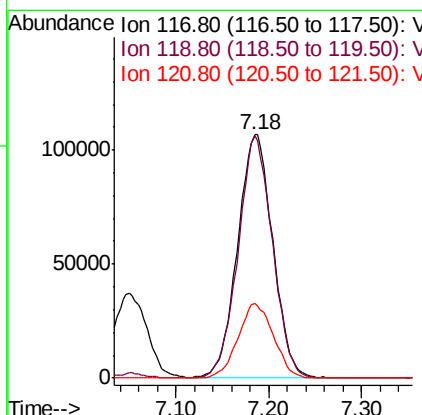
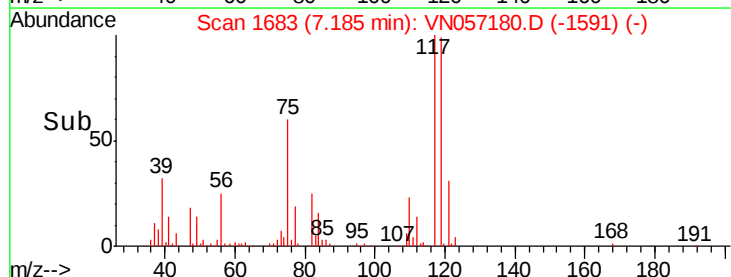
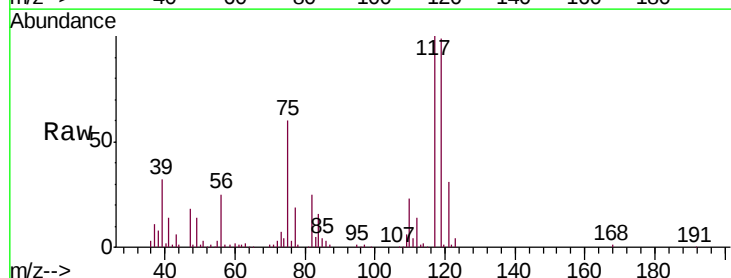
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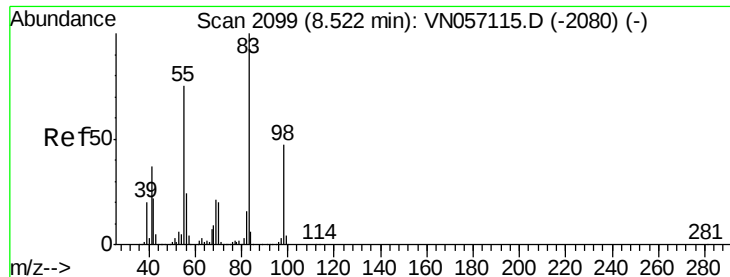
MMDadoda
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#38
 Carbon Tetrachloride
 Concen: 19.945 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	75.8	113.6
121	30.6	24.4	36.6





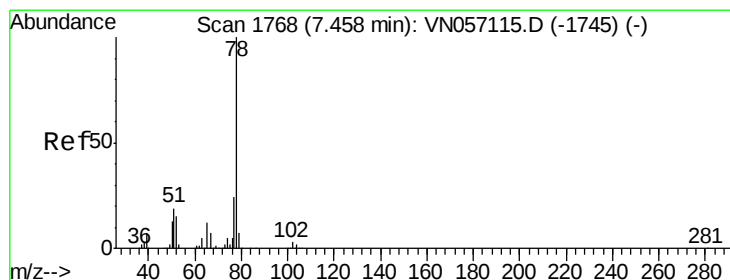
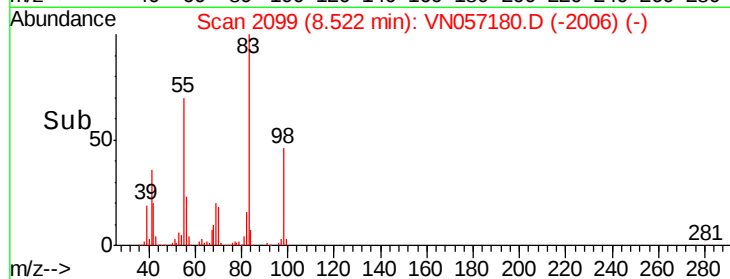
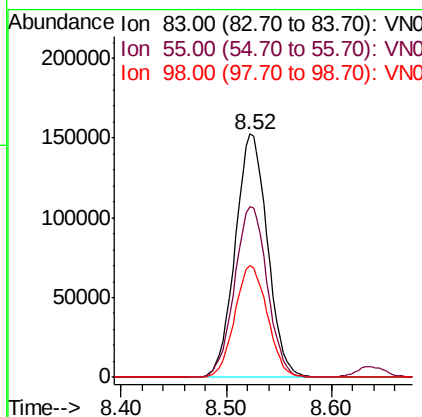
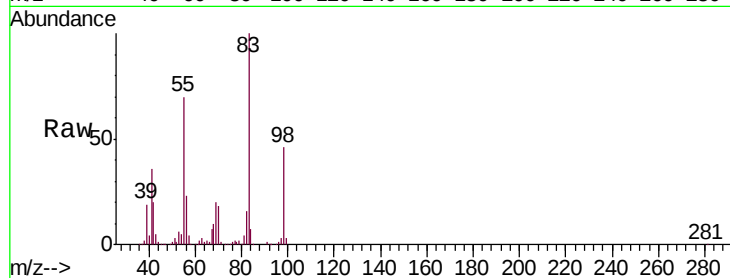
#39
Methylcyclohexane
Concen: 19.611 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.0	60.3	90.5
98	46.1	37.9	56.9

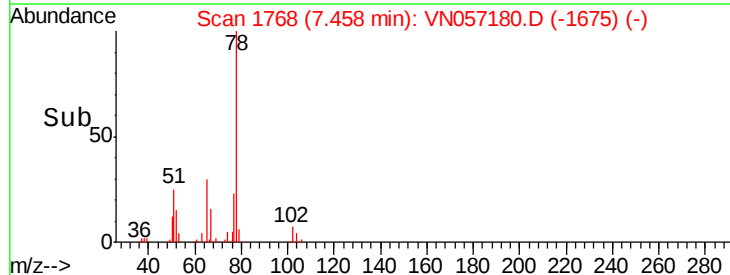
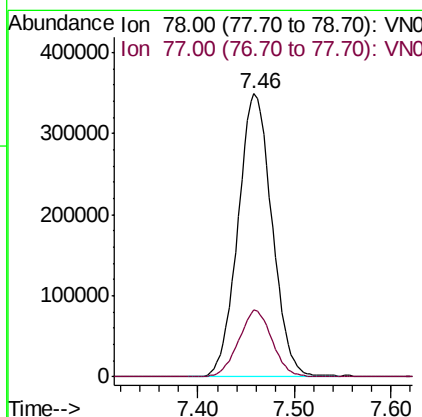
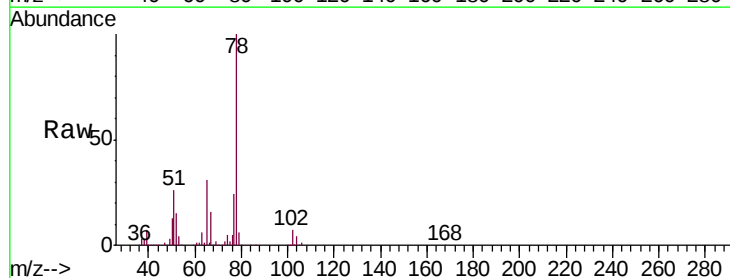
Manual Integrations
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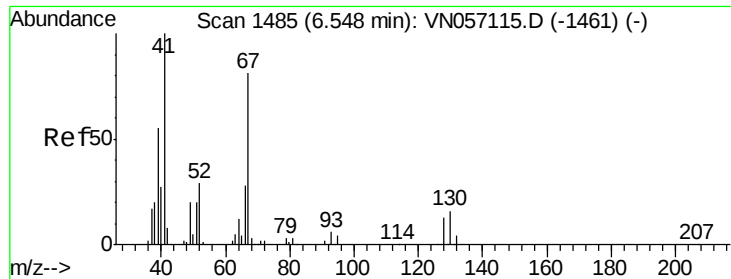
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#40
Benzene
Concen: 19.904 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8





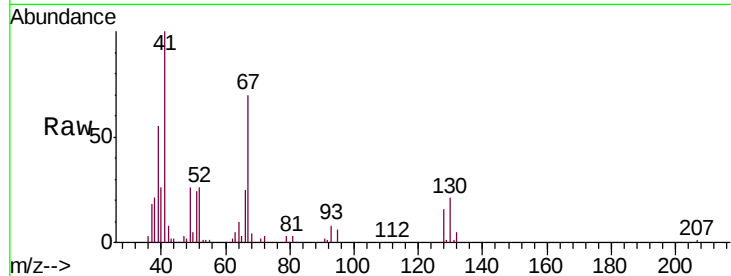
#41
Methacrylonitrile
Concen: 21.369 ug/l
RT: 6.55 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBSD01

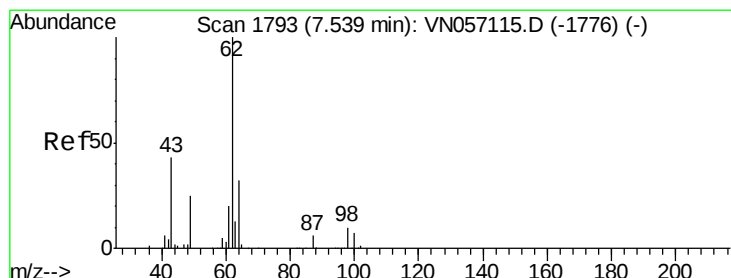
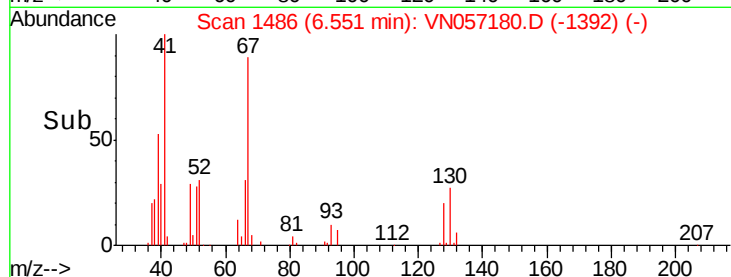
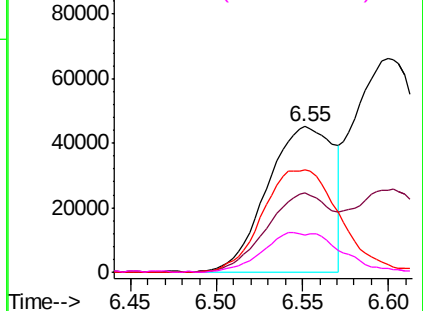
Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.9	44.9	67.3
67	81.9	69.1	103.7
52	30.8	25.8	38.6

Manual Integrations
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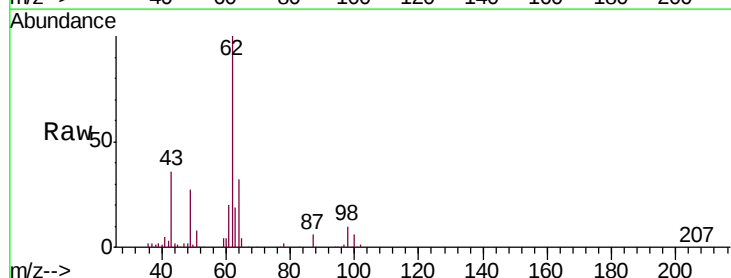


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

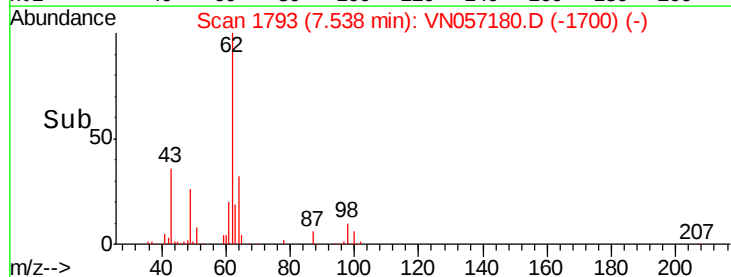
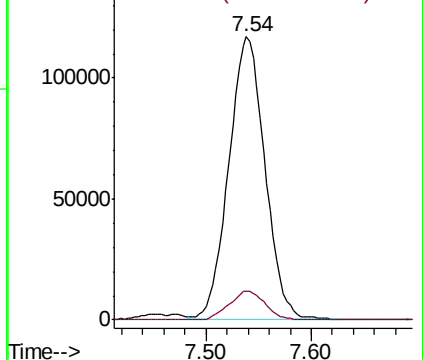


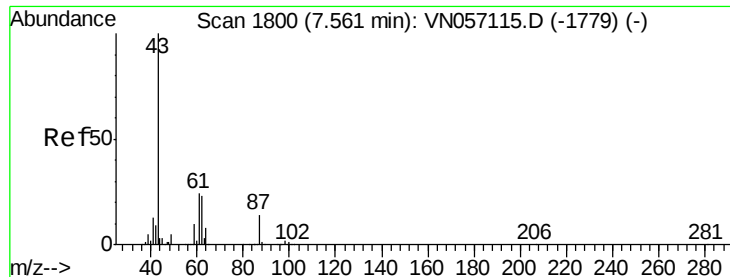
#42
1,2-Dichloroethane
Concen: 20.216 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





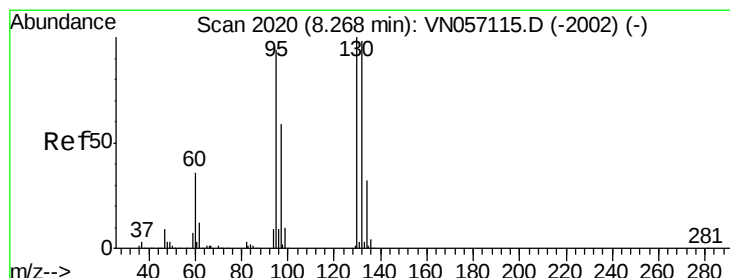
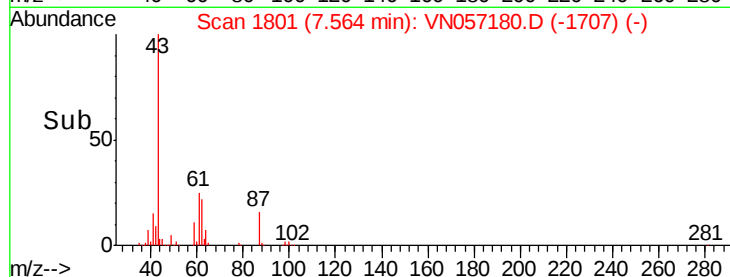
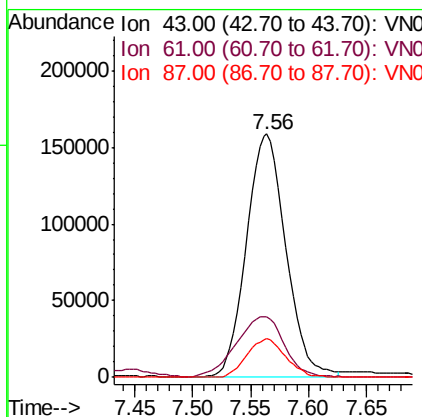
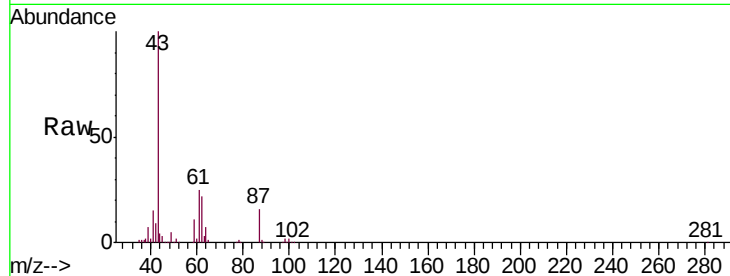
#43
Isopropyl Acetate
Concen: 19.654 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	30.7	24.2	36.2
87	15.7	11.8	17.8

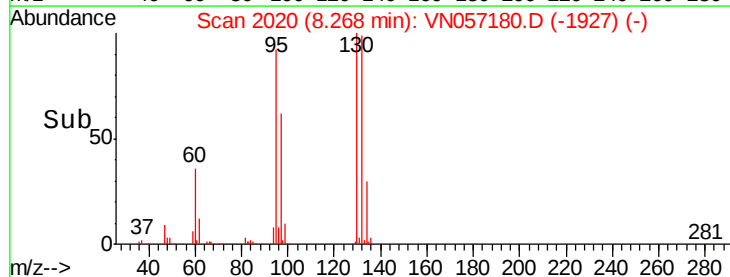
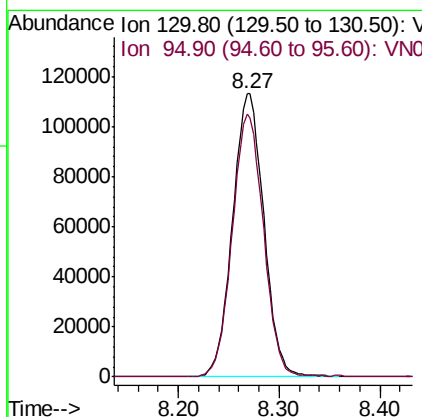
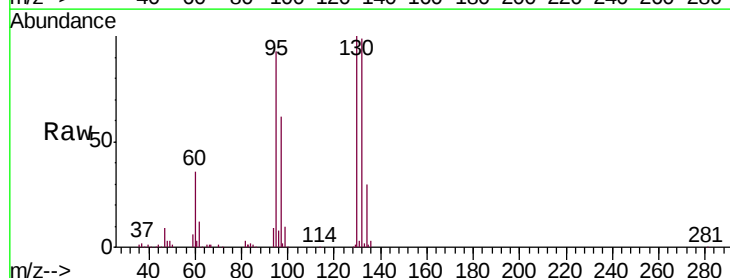
Manual Integrations
APPROVED

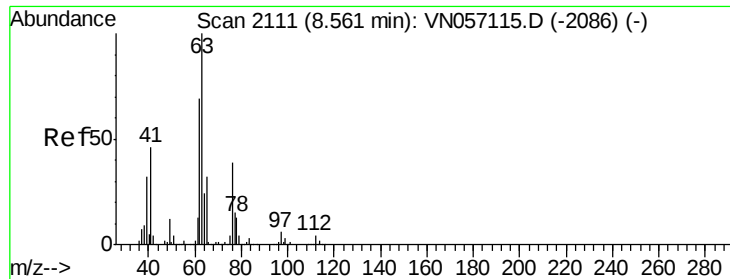
MMDadoda
8/12/2019 3:41:33 PM



#44
Trichloroethene
Concen: 20.266 ug/l
RT: 8.27 min Scan# 2020
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	187.4





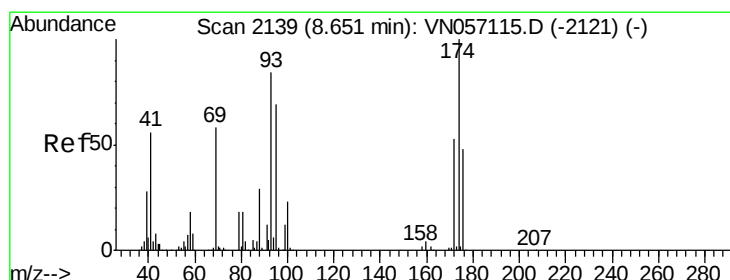
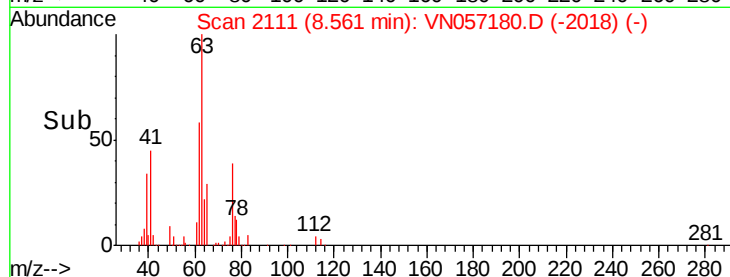
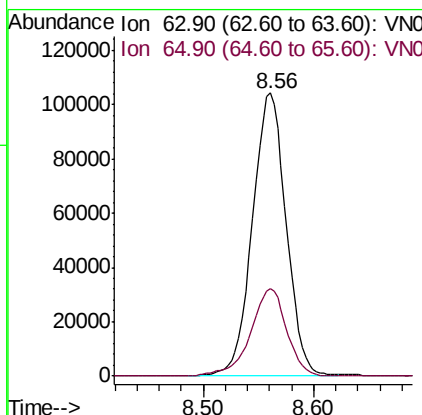
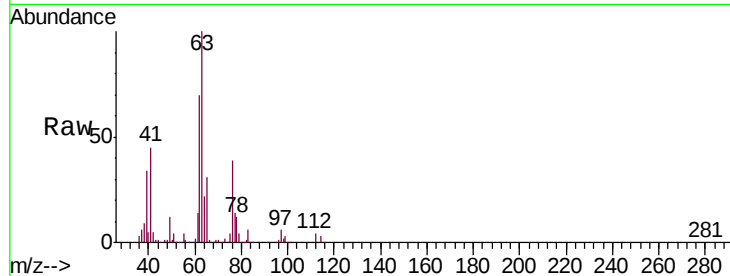
#45
1,2-Dichloropropane
Concen: 19.849 ug/l
RT: 8.56 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBSD01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.2	37.8

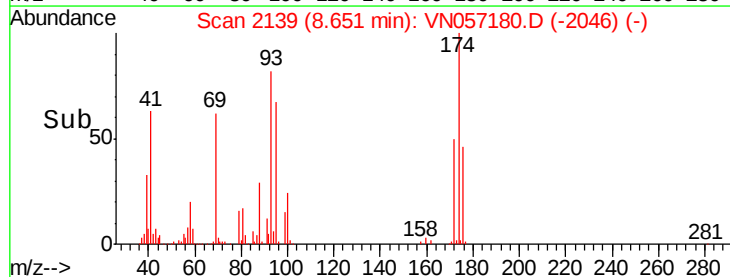
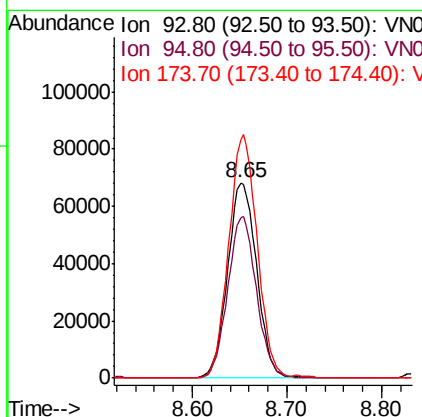
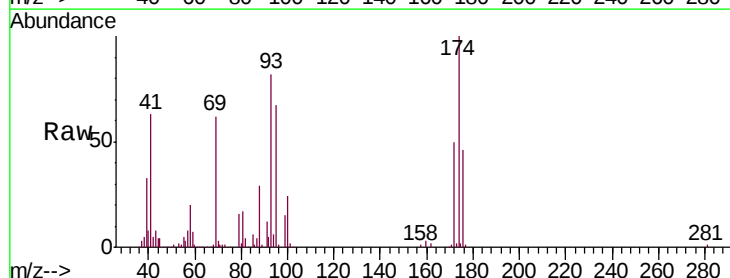
Manual Integrations
APPROVED

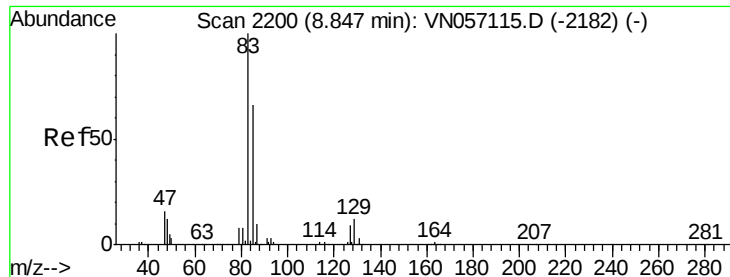
MMDadoda
8/12/2019 3:41:33 PM



#46
Dibromomethane
Concen: 20.527 ug/l
RT: 8.65 min Scan# 2139
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.3	66.0	99.0
174	121.0	96.0	144.0





#47

Bromodichloromethane

Concen: 20.724 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

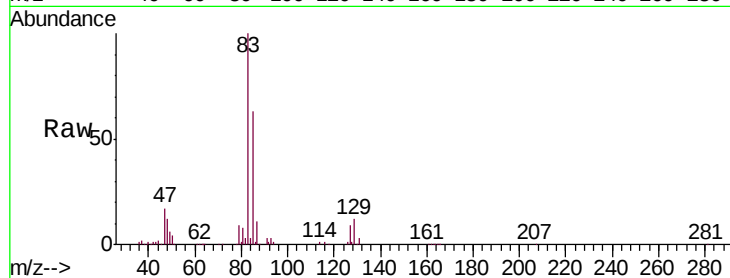
ClientSampleId :

VN0811WBSD01

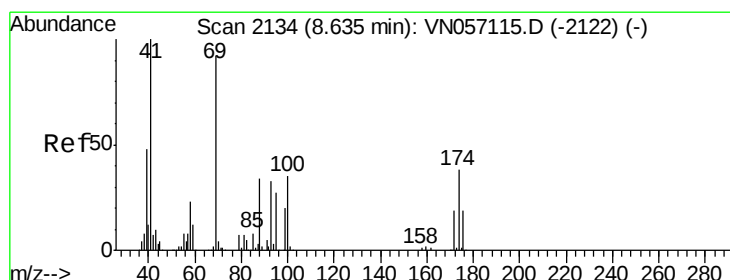
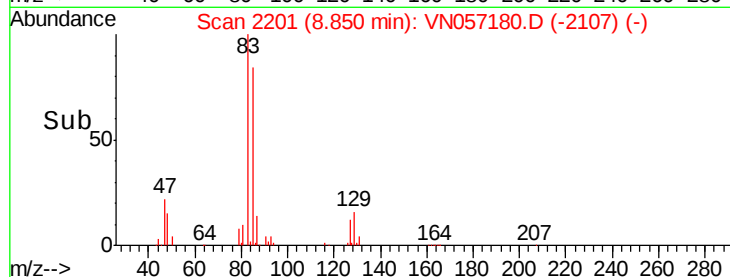
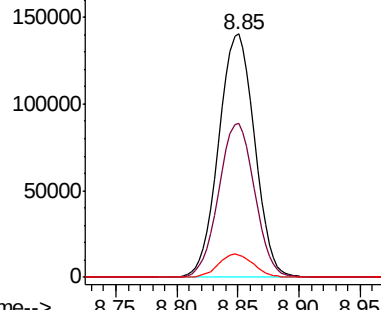
Tgt Ion:	83	Resp:	285980
Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.6	78.8
127	9.2	7.5	11.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 19.443 ug/l

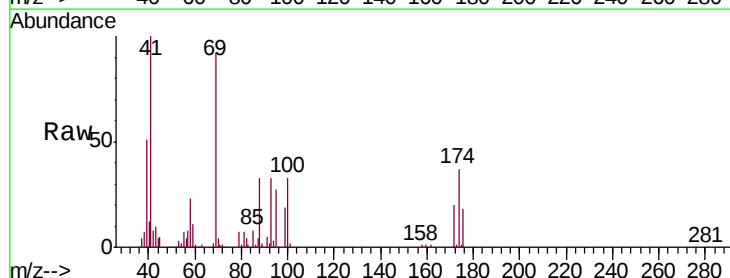
RT: 8.63 min Scan# 2134

Delta R.T. -0.00 min

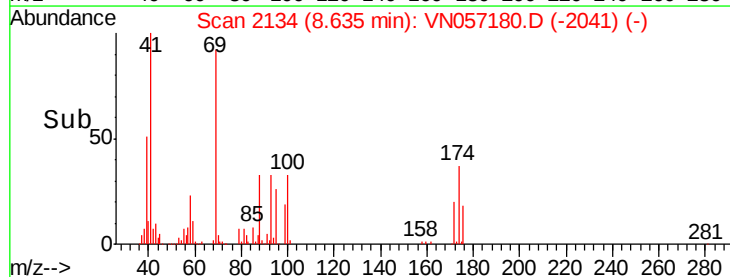
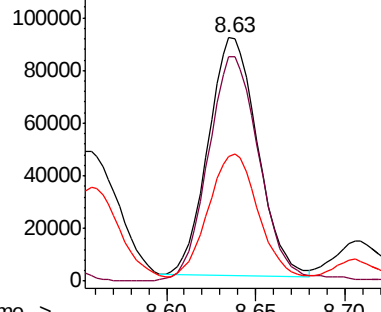
Lab File: VN057180.D

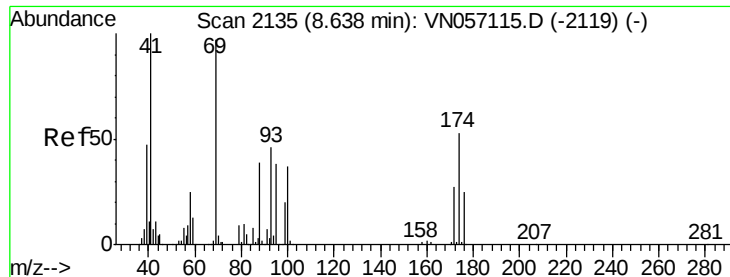
Acq: 11 Aug 2019 12:13

Tgt Ion:	41	Resp:	175015
Ion	Ratio	Lower	Upper
41	100		
69	98.9	77.5	116.3
39	54.9	39.8	59.6



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





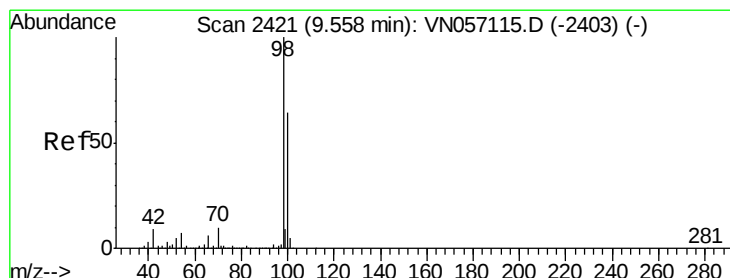
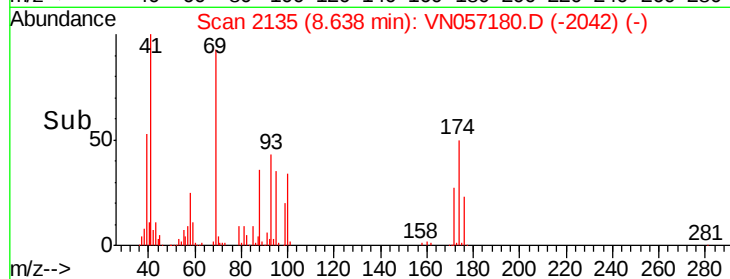
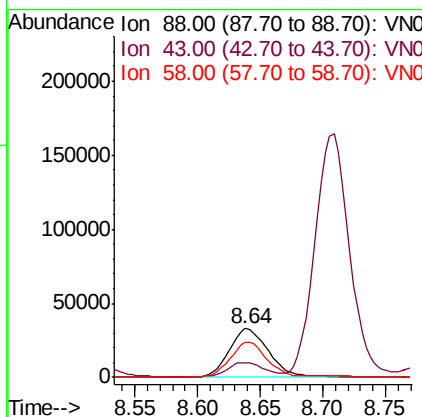
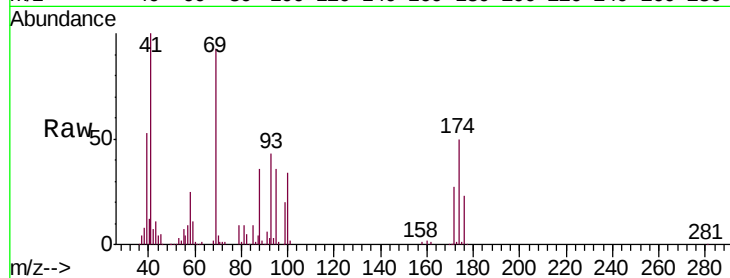
#49
1,4-Dioxane
Concen: 392.808 ug/l
RT: 8.64 min Scan# 2135
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	29.2	21.7	32.5
58	66.7	51.1	76.7

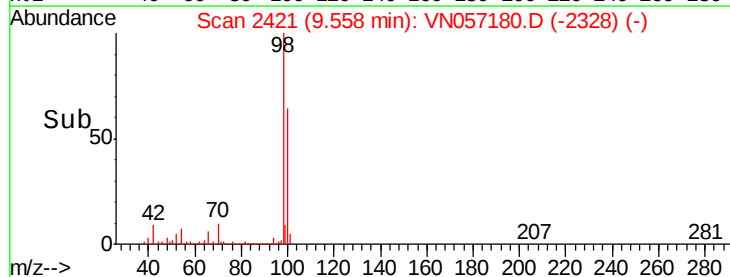
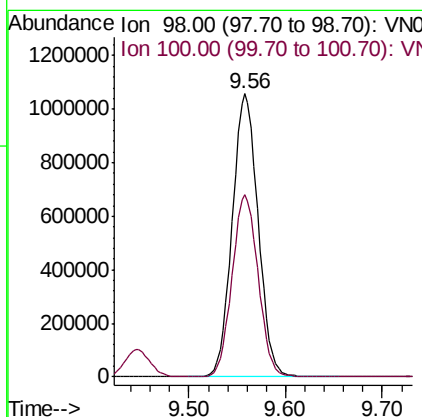
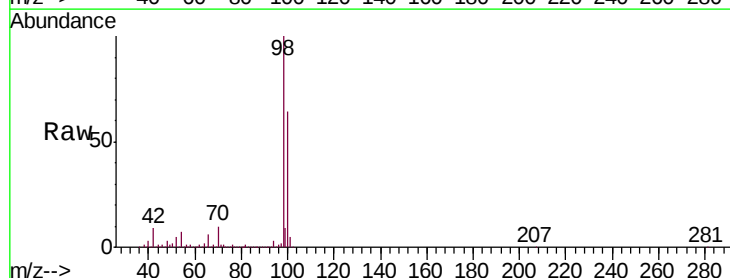
Manual Integrations
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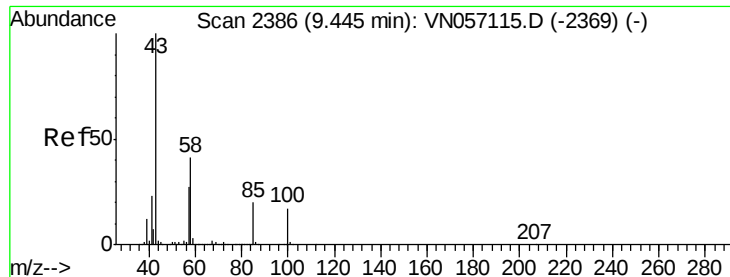
MMDadoda
8/12/2019 3:41:33 PM



#50
Toluene-d8
Concen: 49.568 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.2	76.8





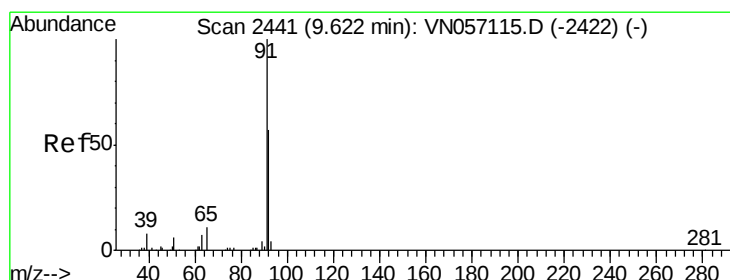
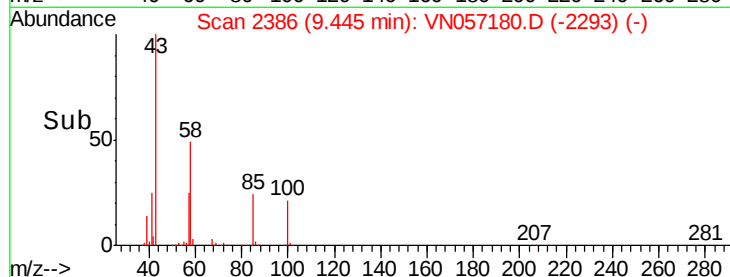
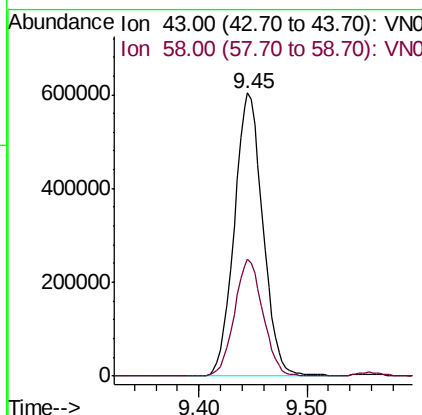
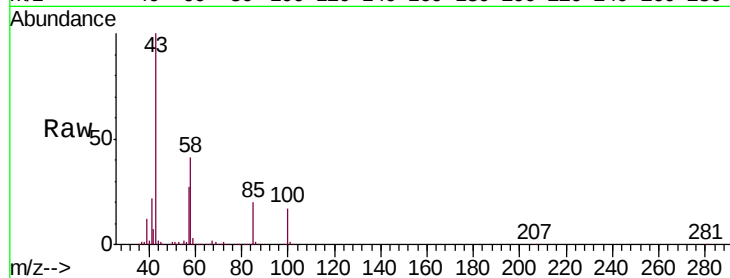
#51
 4-Methyl-2-Pentanone
 Concen: 99.978 ug/l
 RT: 9.45 min Scan# 2386
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBSD01

Tgt Ion: 43 Resp: 1110729
 Ion Ratio Lower Upper
 43 100
 58 41.4 33.2 49.8

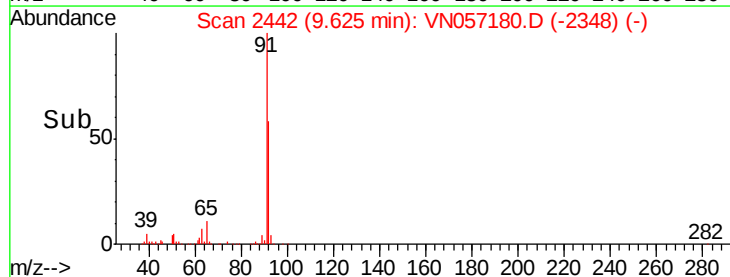
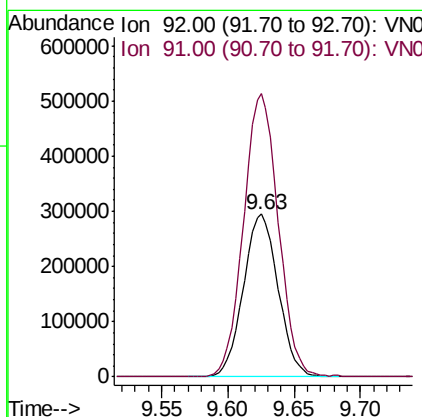
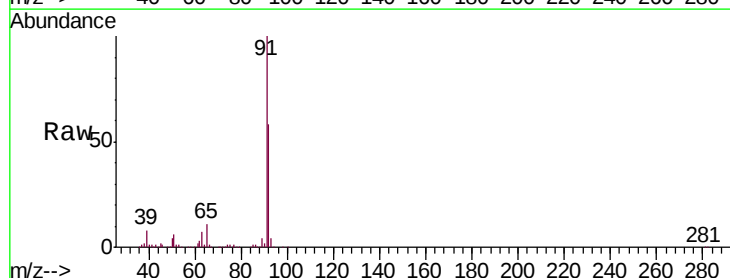
Manual Integrations
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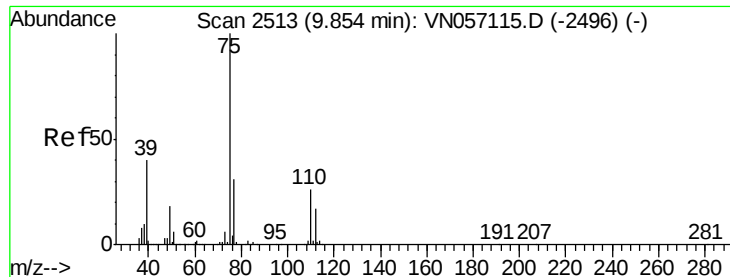
MMDadoda
 8/12/2019 3:41:33 PM



#52
 Toluene
 Concen: 20.222 ug/l
 RT: 9.63 min Scan# 2442
 Delta R.T. 0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion: 92 Resp: 539211
 Ion Ratio Lower Upper
 92 100
 91 174.0 139.8 209.8





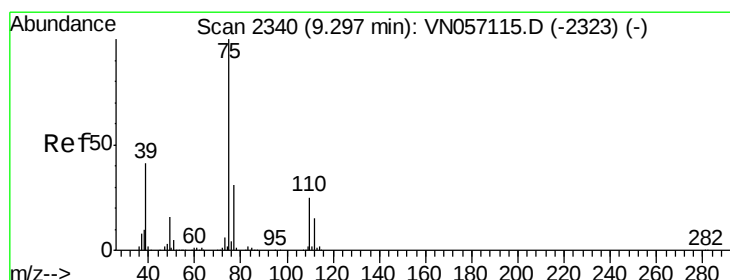
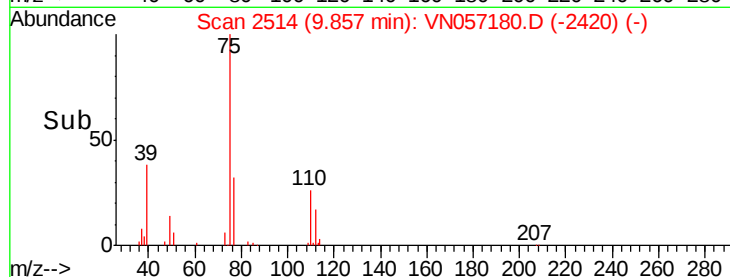
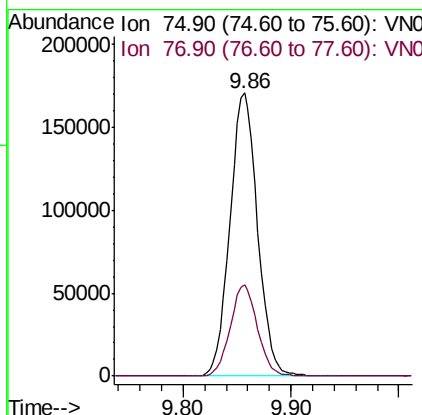
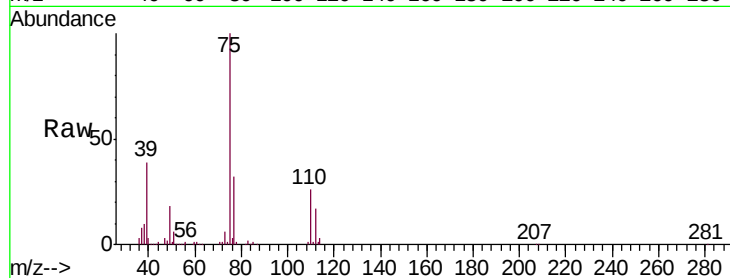
#53
t-1,3-Dichloropropene
Concen: 21.159 ug/l
RT: 9.86 min Scan# 2514
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBSD01

Tgt Ion: 75 Resp: 305039
Ion Ratio Lower Upper
75 100
77 32.1 24.8 37.2

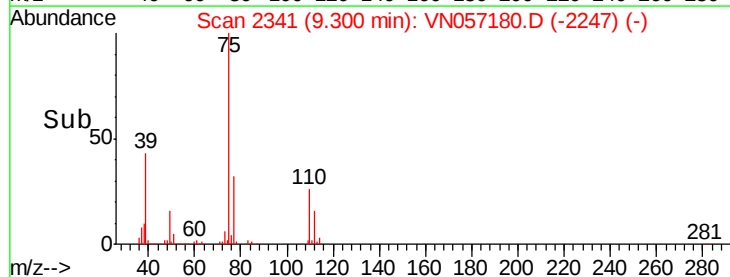
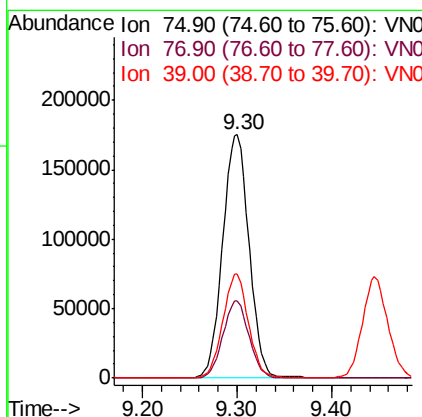
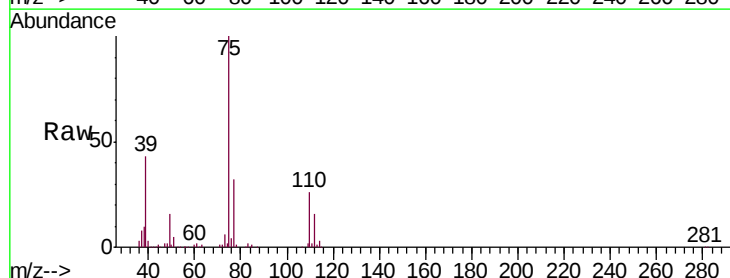
Manual Integrations
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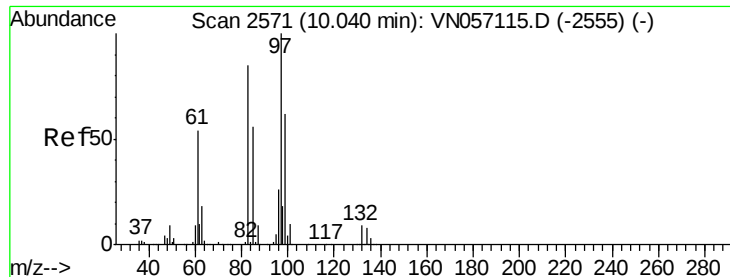
MMDadoda
8/12/2019 3:41:33 PM



#54
cis-1,3-Dichloropropene
Concen: 20.550 ug/l
RT: 9.30 min Scan# 2341
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion: 75 Resp: 339938
Ion Ratio Lower Upper
75 100
77 31.9 25.1 37.7
39 42.4 32.5 48.7





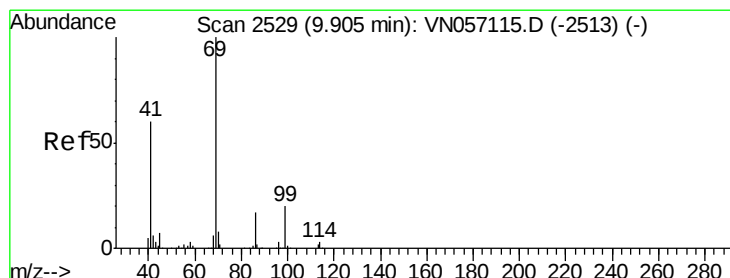
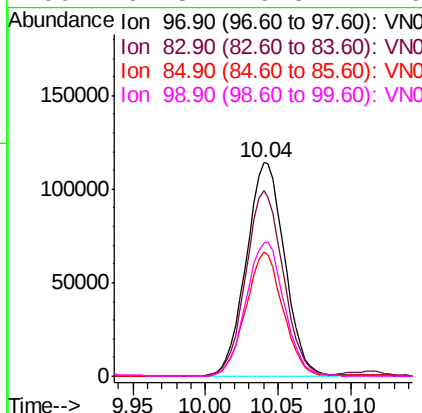
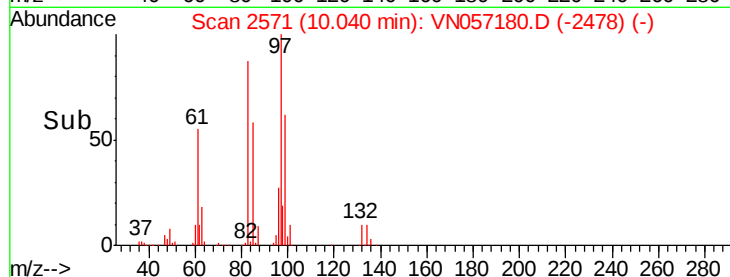
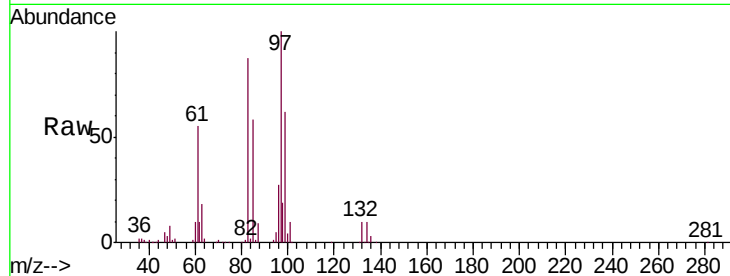
#55
 1,1,2-Trichloroethane
 Concen: 20.082 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0811WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	210570		
83	86.9	67.8	101.8	
85	58.2	44.4	66.6	
99	62.3	49.8	74.6	

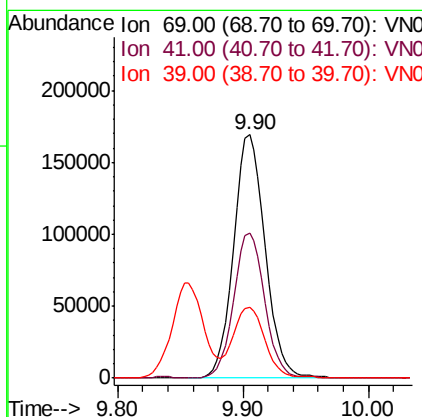
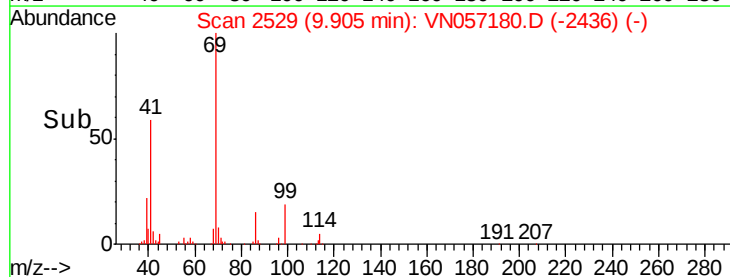
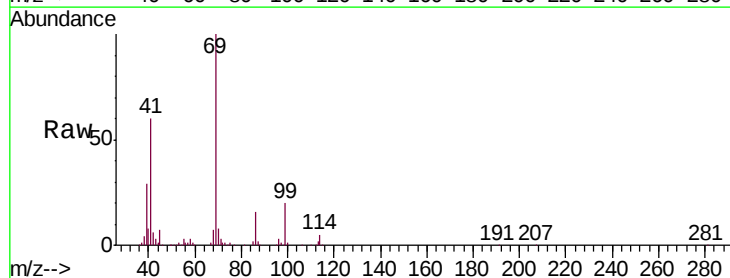
Manual Integrations
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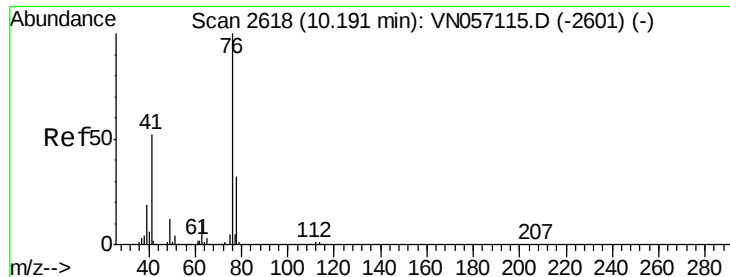
MMDadoda
 8/12/2019 3:41:33 PM



#56
 Ethyl methacrylate
 Concen: 20.140 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	295681		
41	58.4	48.1	72.1	
39	29.2	23.6	35.4	





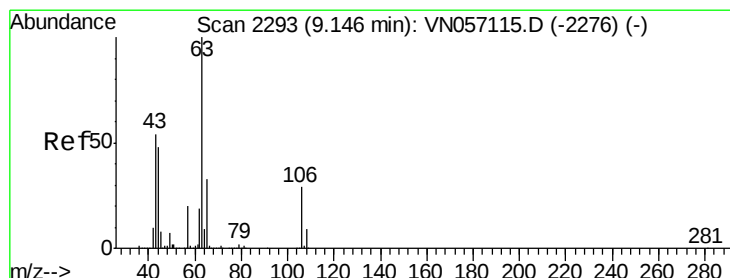
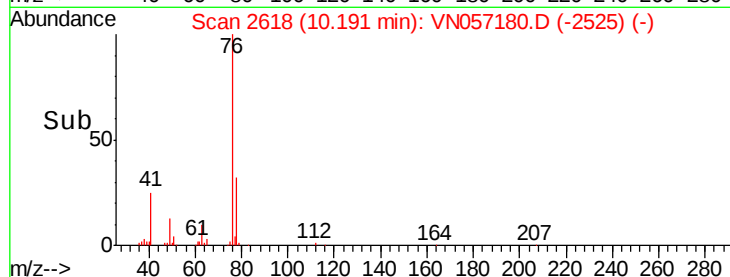
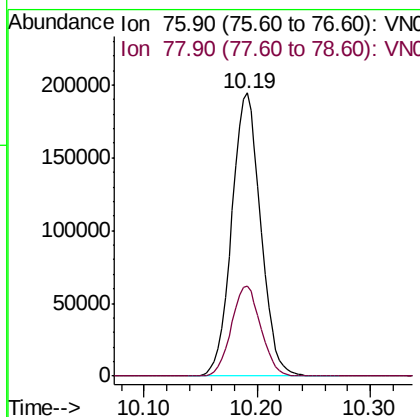
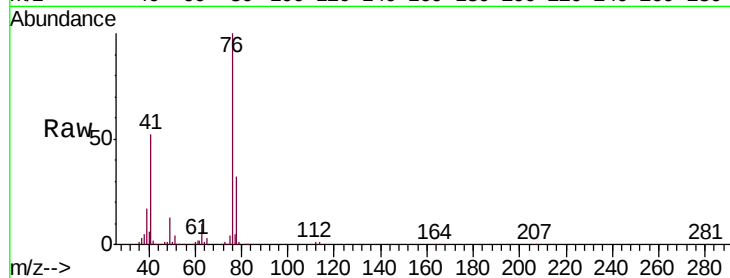
#57
 1,3-Dichloropropane
 Concen: 20.016 ug/l
 RT: 10.19 min Scan# 2618
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBSD01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9

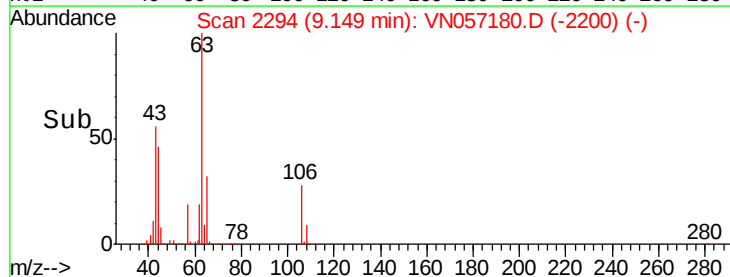
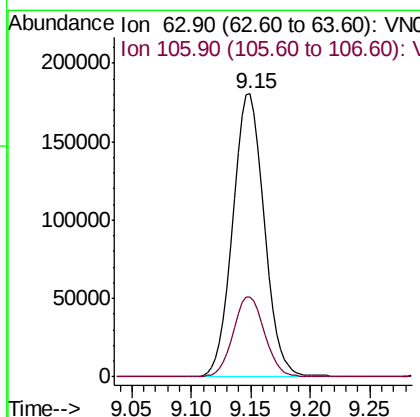
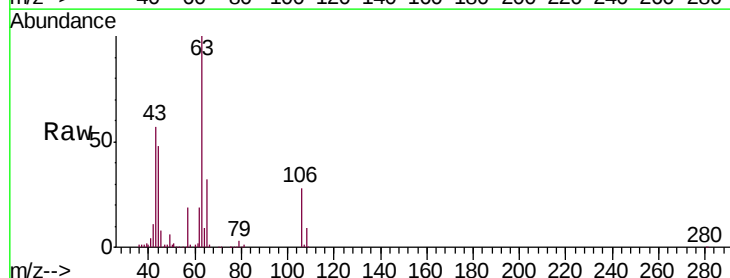
Manual Integrations
 APPROVED

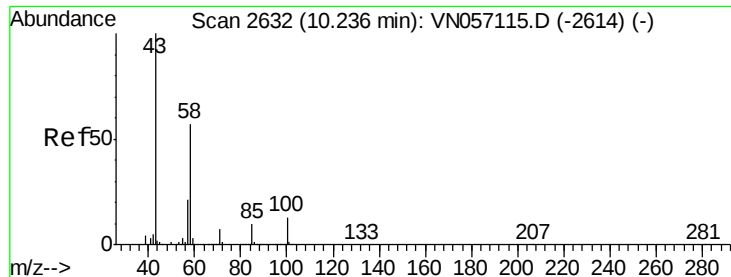
MMDadoda
 8/12/2019 3:41:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 66.867 ug/l
 RT: 9.15 min Scan# 2294
 Delta R.T. 0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	22.6	33.8





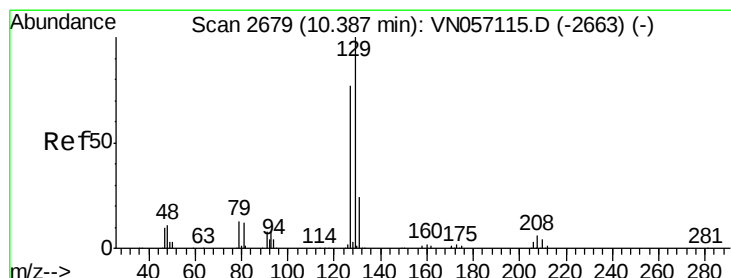
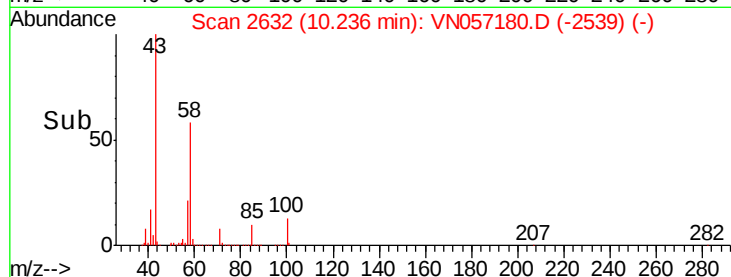
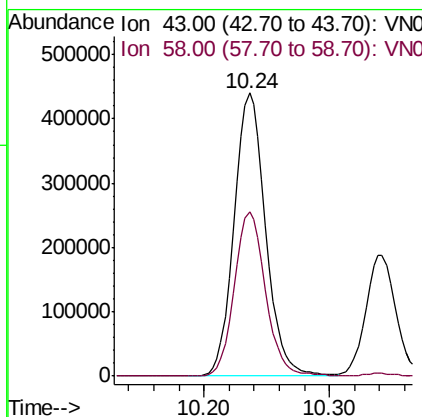
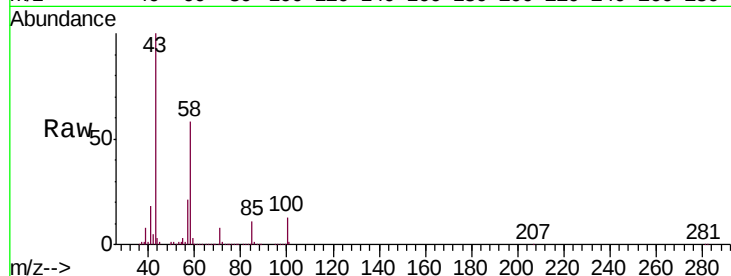
#59
2-Hexanone
Concen: 101.955 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBSD01

Tgt Ion: 43 Resp: 766594
Ion Ratio Lower Upper
43 100
58 57.7 29.2 87.6

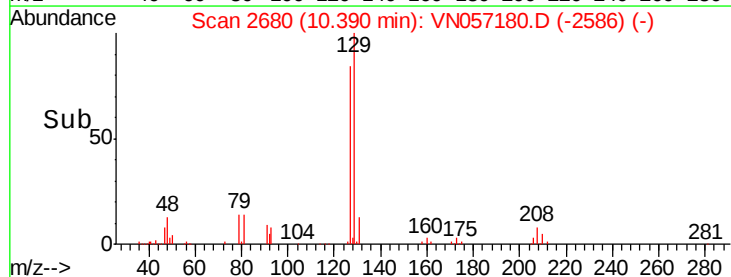
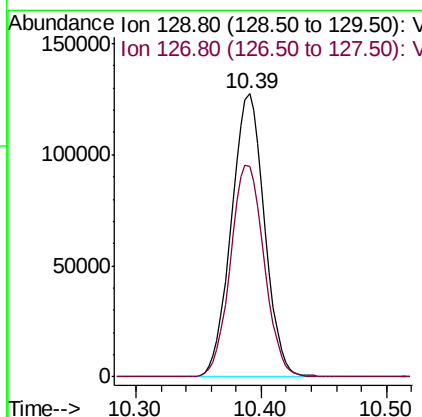
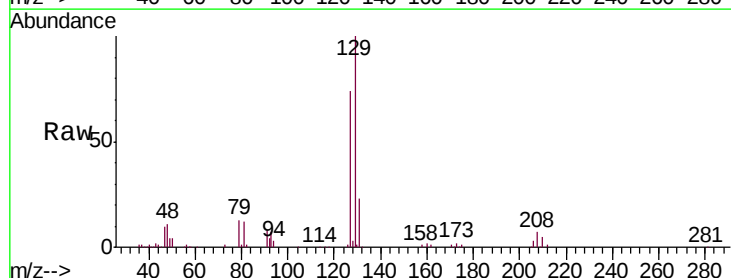
Manual Integrations
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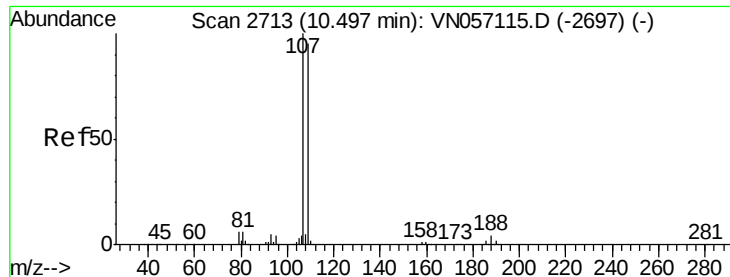
MMDadoda
8/12/2019 3:41:33 PM



#60
Dibromochloromethane
Concen: 21.238 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion: 129 Resp: 233876
Ion Ratio Lower Upper
129 100
127 76.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.295 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBSD01

Tgt Ion: 107 Resp: 219592

Ion Ratio Lower Upper

107 100

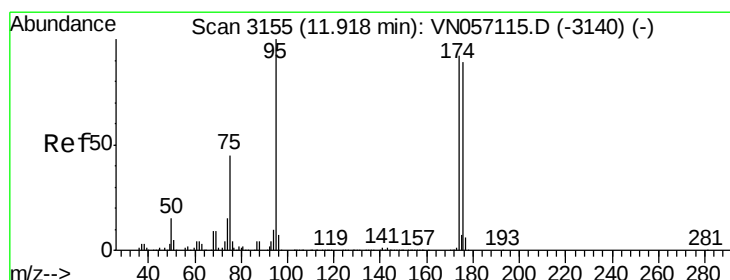
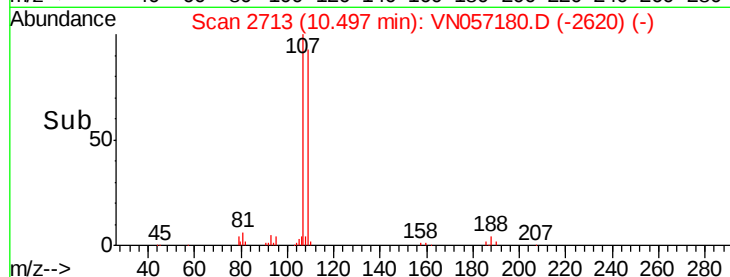
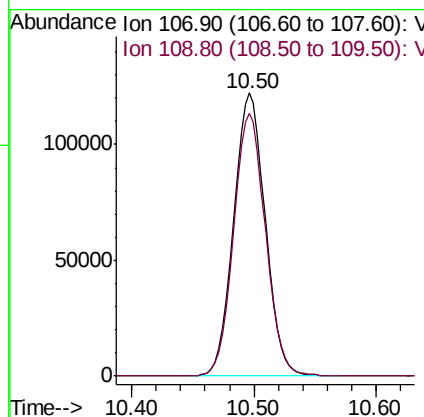
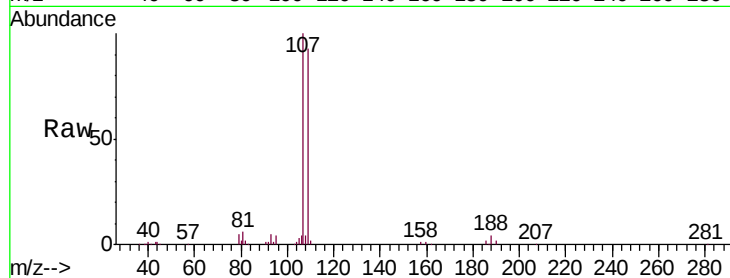
109 93.6 75.6 113.4

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#62

4-Bromofluorobenzene

Concen: 48.531 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

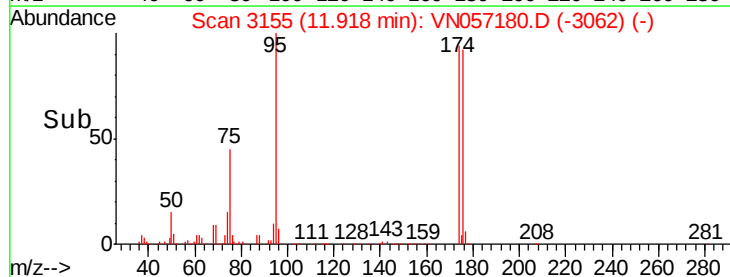
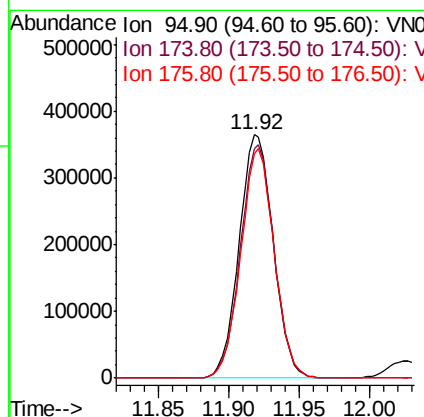
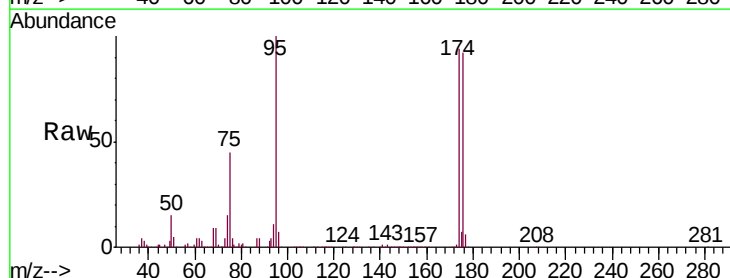
Tgt Ion: 95 Resp: 618707

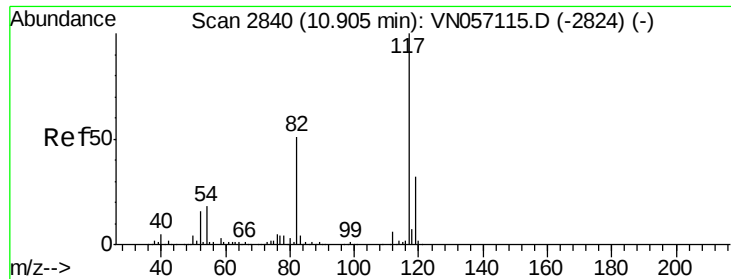
Ion Ratio Lower Upper

95 100

174 94.6 0.0 185.0

176 92.1 0.0 181.2





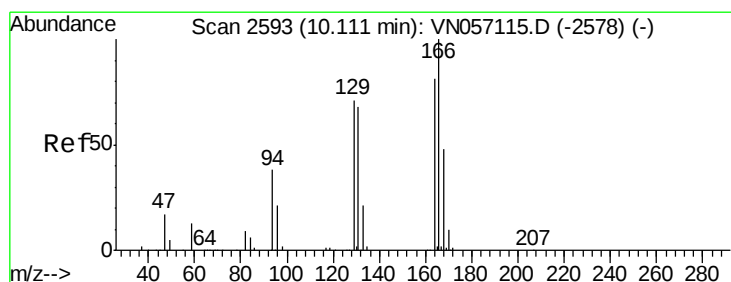
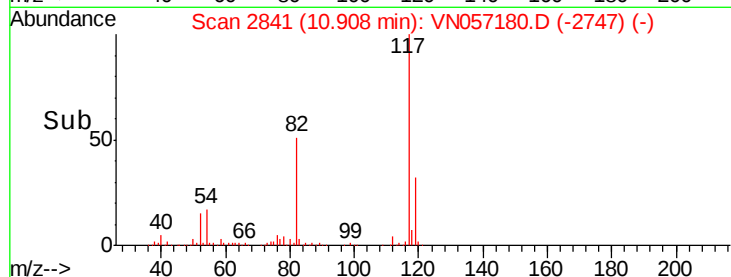
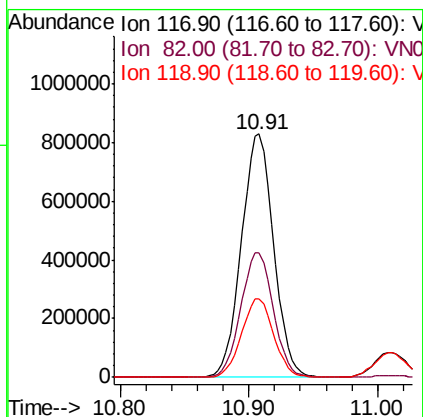
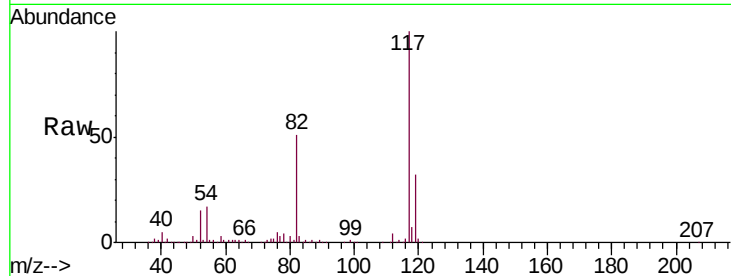
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBSD01

Tgt Ion:117 Resp: 1443561
Ion Ratio Lower Upper
117 100
82 51.0 40.8 61.2
119 32.5 25.7 38.5

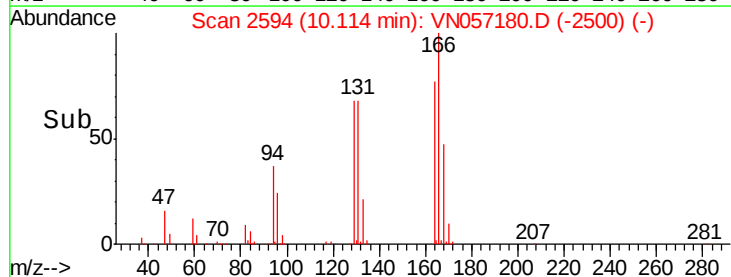
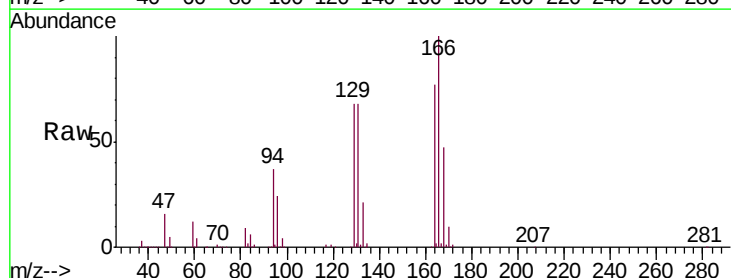
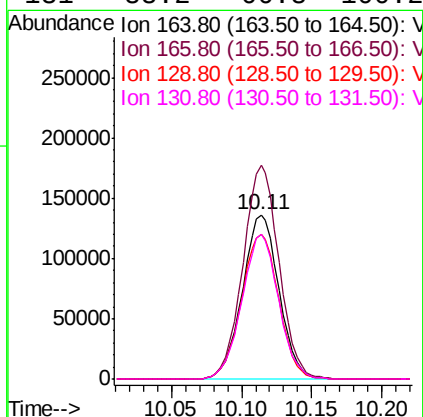
Manual Integrations
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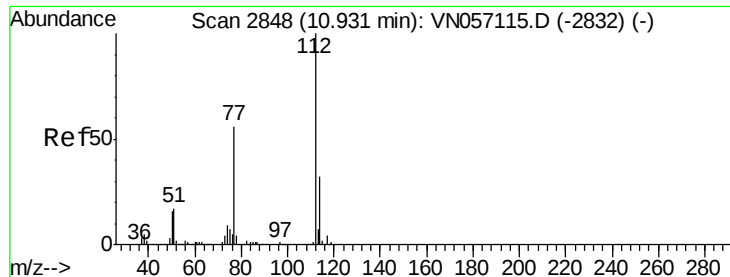
MMDadoda
8/12/2019 3:41:33 PM



#64
Tetrachloroethene
Concen: 20.512 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion:164 Resp: 246251
Ion Ratio Lower Upper
164 100
166 129.9 98.3 147.5
129 88.3 69.8 104.6
131 88.2 66.8 100.2





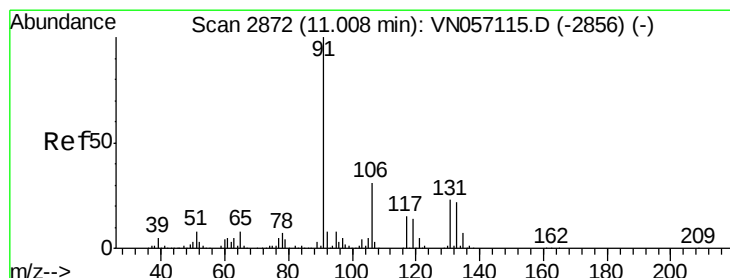
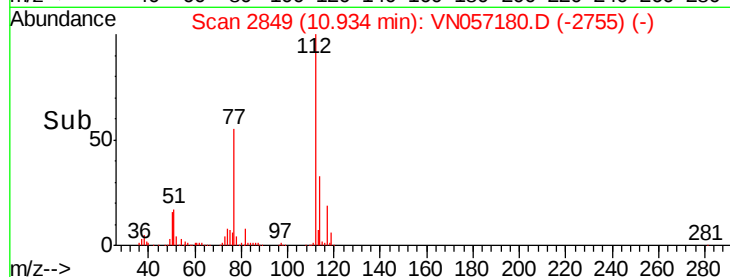
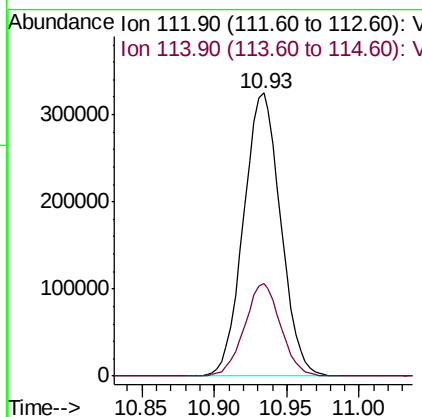
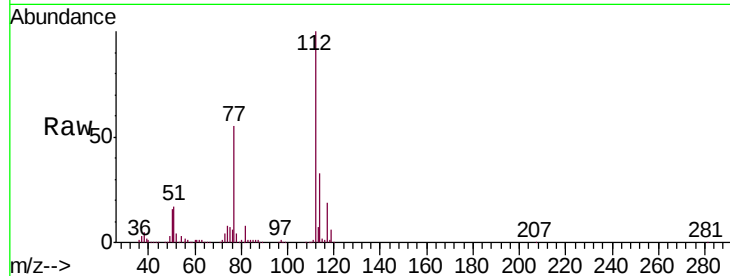
#65
Chlorobenzene
Concen: 19.910 ug/l
RT: 10.93 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBSD01

Tgt Ion:112 Resp: 578288
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.2

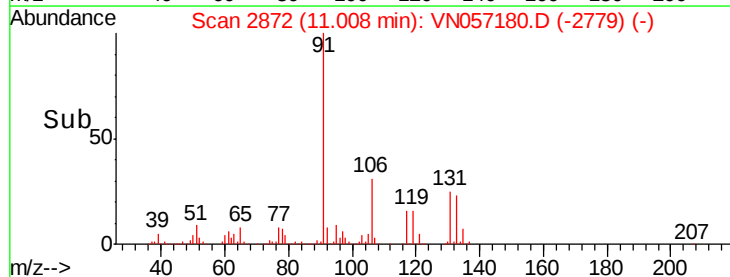
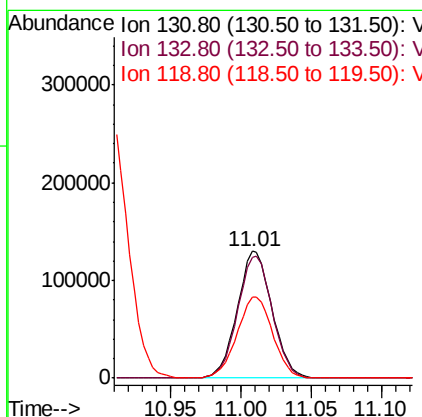
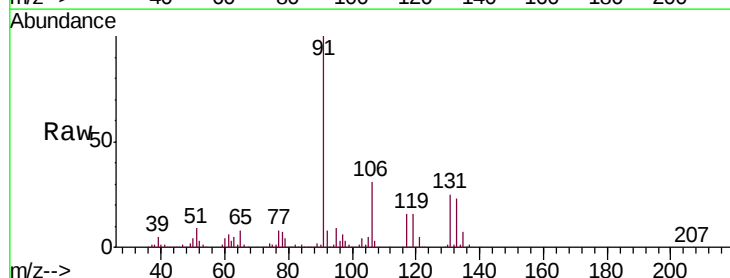
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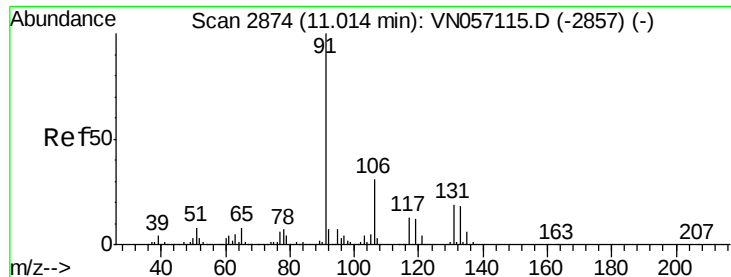
MMDadoda
8/12/2019 3:41:33 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.598 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion:131 Resp: 223669
Ion Ratio Lower Upper
131 100
133 96.0 47.6 142.8
119 66.1 32.6 97.7





#67

Ethyl Benzene

Concen: 20.109 ug/l

RT: 11.01 min Scan# 2874

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBSD01

Tgt Ion: 91 Resp: 1005257

Ion Ratio Lower Upper

91 100

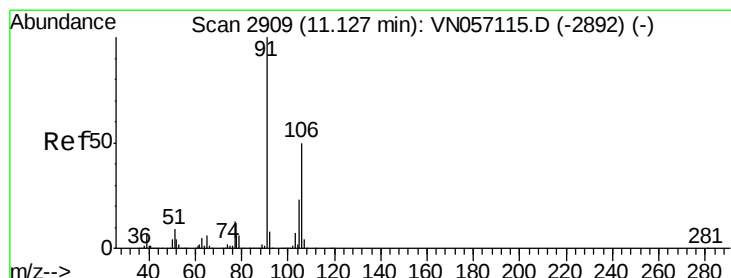
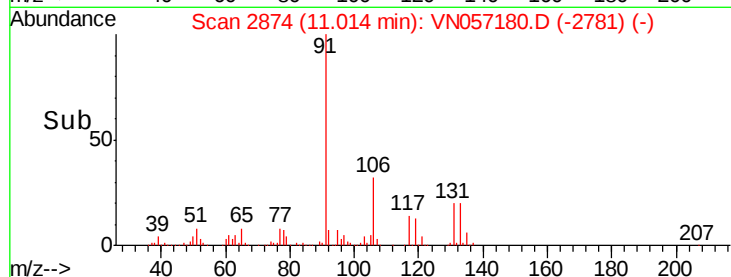
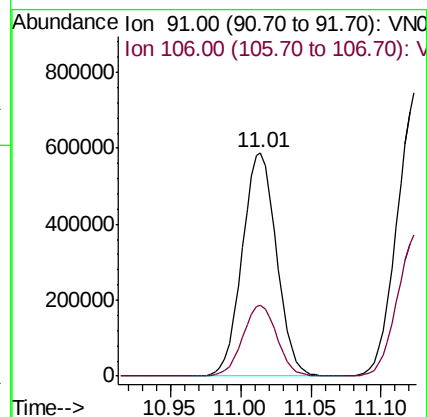
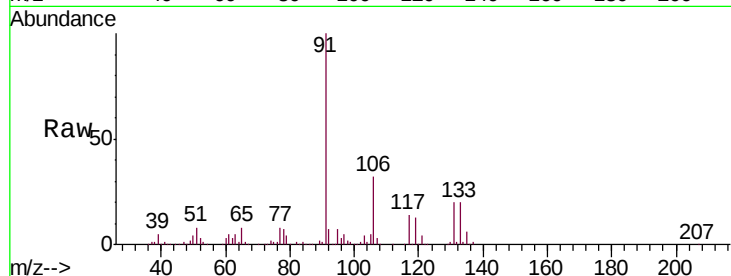
106 31.8 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

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#68

m/p-Xylenes

Concen: 40.452 ug/l

RT: 11.13 min Scan# 2909

Delta R.T. -0.00 min

Lab File: VN057180.D

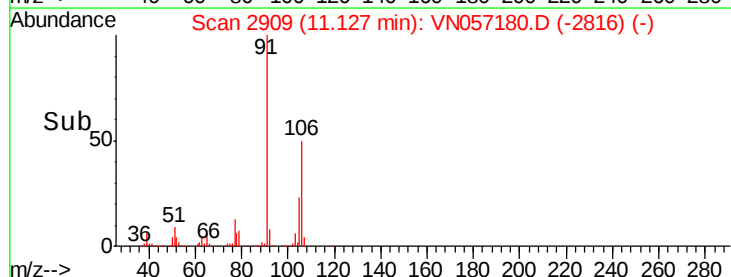
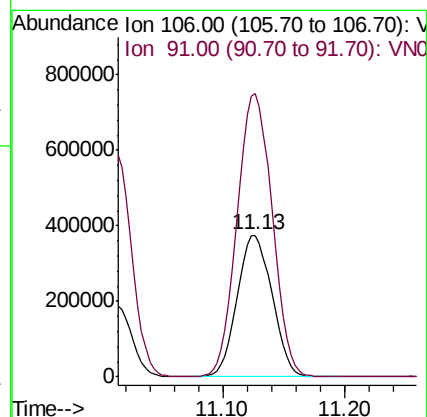
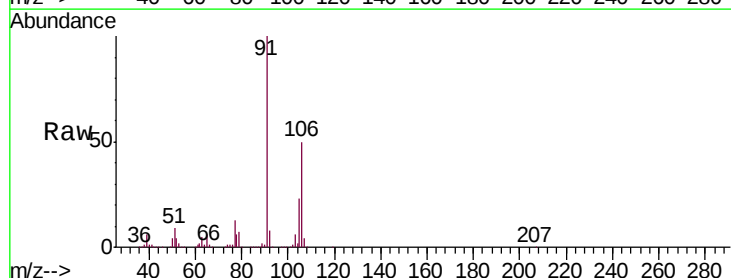
Acq: 11 Aug 2019 12:13

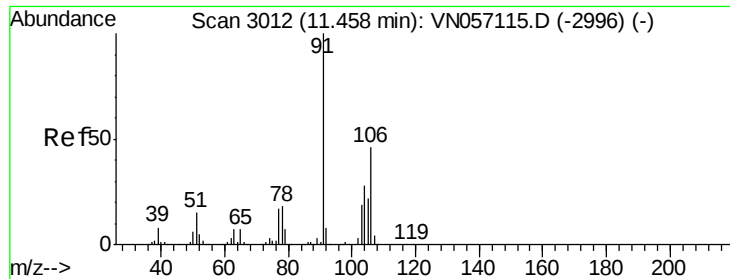
Tgt Ion: 106 Resp: 744990

Ion Ratio Lower Upper

106 100

91 201.0 159.8 239.8





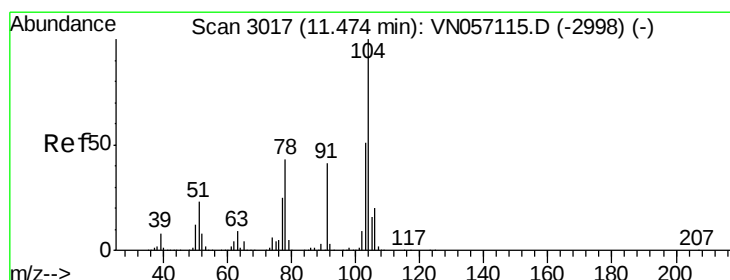
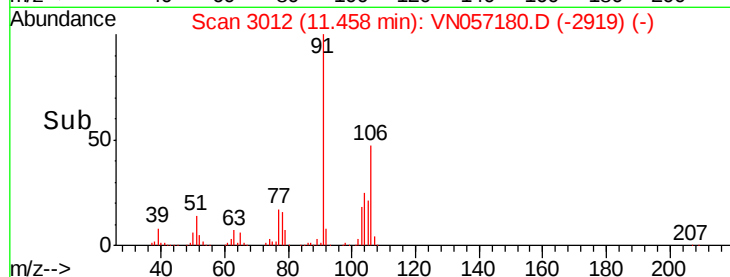
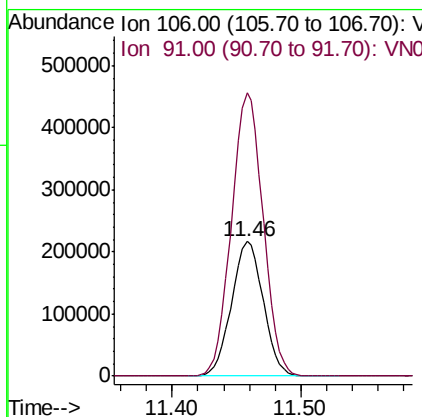
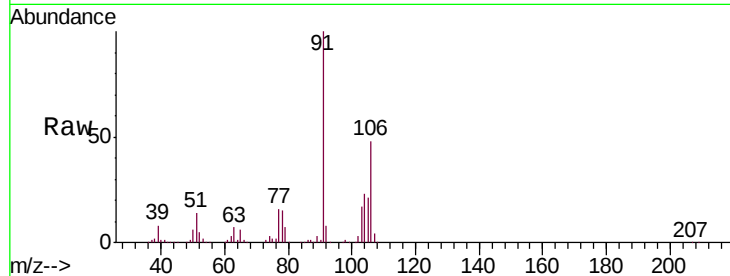
#69
o-Xylene
Concen: 20.158 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampled :
VN0811WBSD01

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.0	106.8	320.5

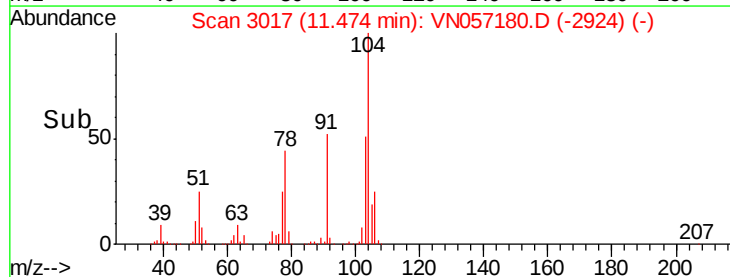
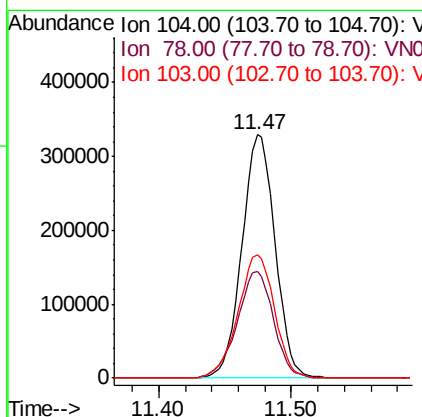
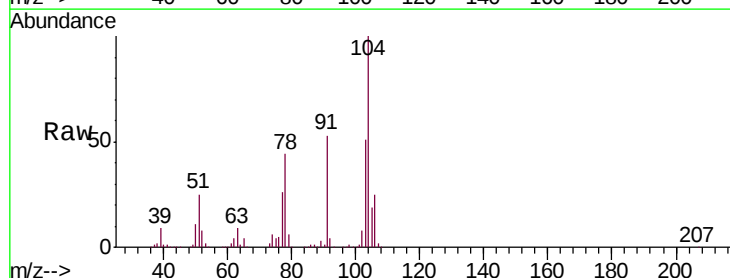
Manual Integrations
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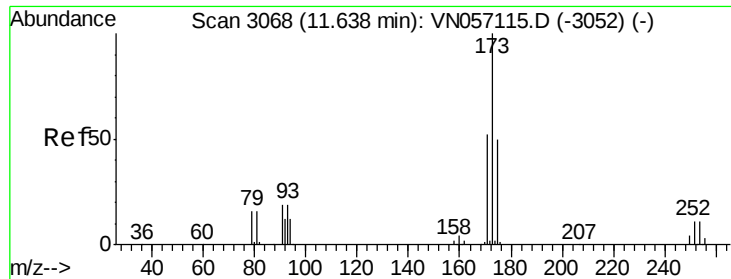
MMDadoda
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#70
Styrene
Concen: 20.020 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.5	57.7
103	55.8	44.6	66.8





#71

Bromoform

Concen: 20.891 ug/l

RT: 11.64 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBSD01

Tgt Ion:173 Resp: 166178

Ion Ratio Lower Upper

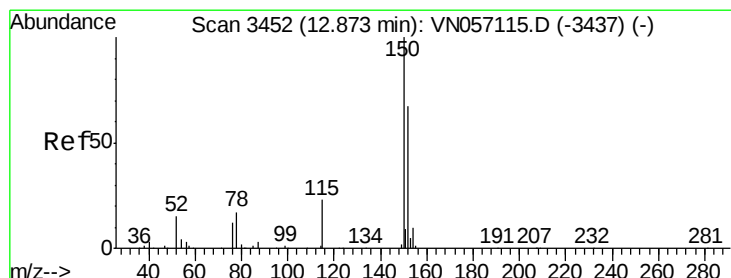
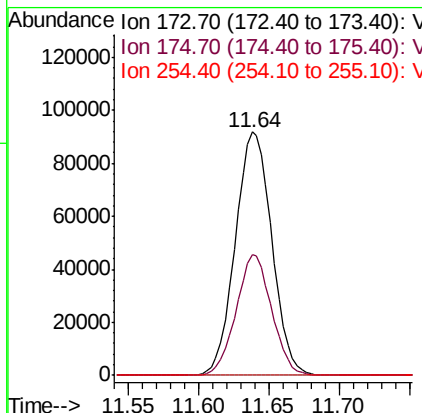
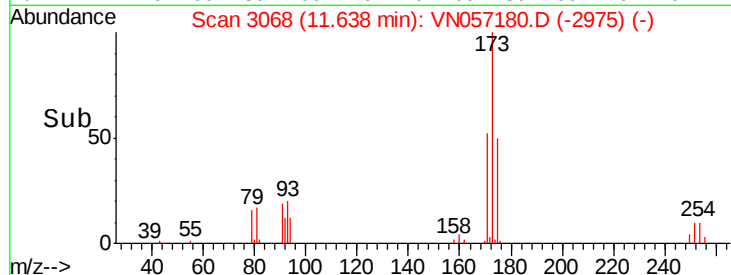
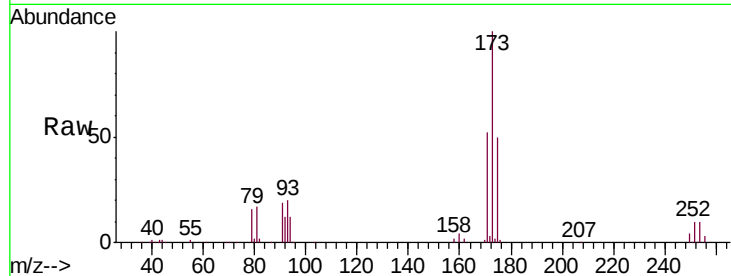
173 100

175 48.3 24.6 73.8

254 0.0 0.1 0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.87 min Scan# 3452

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

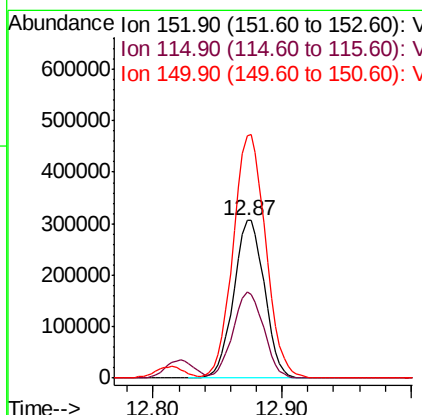
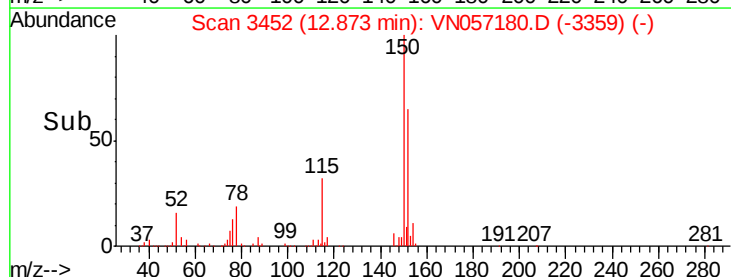
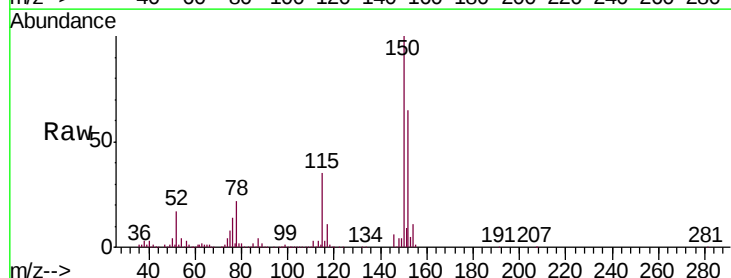
Tgt Ion:152 Resp: 506597

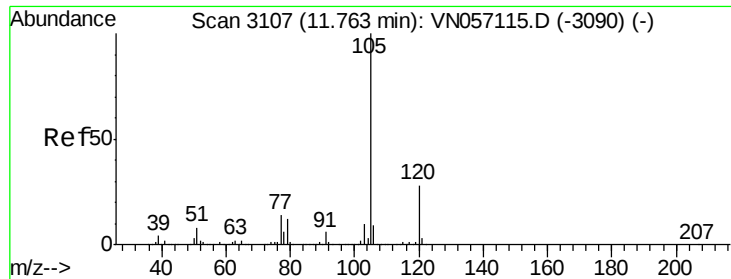
Ion Ratio Lower Upper

152 100

115 54.7 27.5 82.5

150 163.6 0.0 341.6





#73

Isopropylbenzene

Concen: 22.254 ug/l

RT: 11.77 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBSD01

Tgt Ion: 105 Resp: 978664

Ion Ratio Lower Upper

105 100

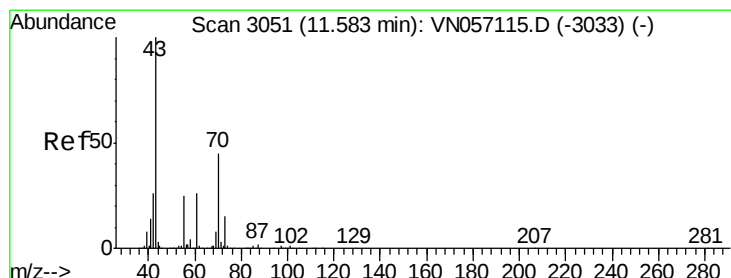
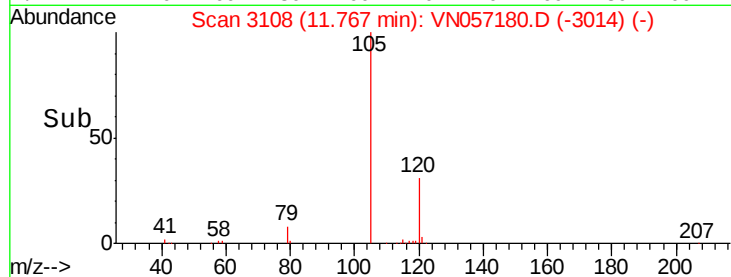
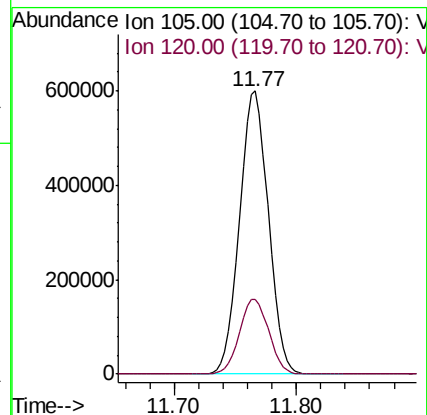
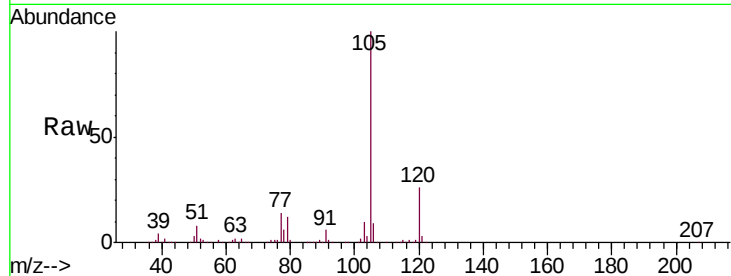
120 27.0 13.7 41.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.827 ug/l

RT: 11.59 min Scan# 3052

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Tgt Ion: 43 Resp: 267371

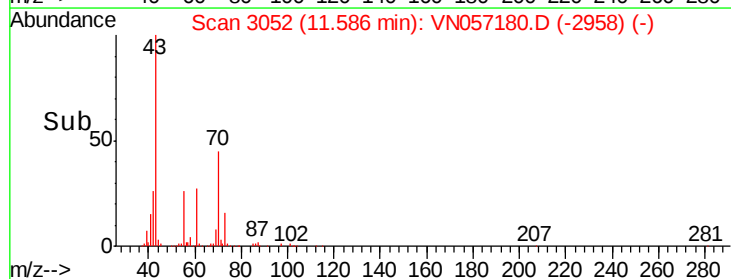
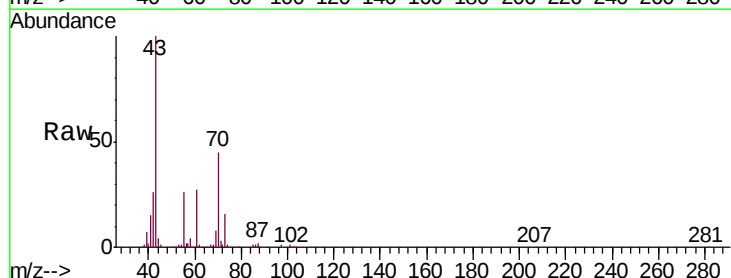
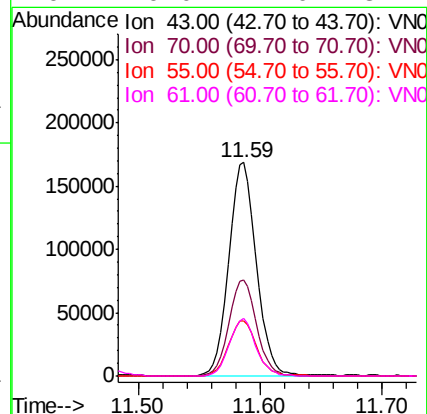
Ion Ratio Lower Upper

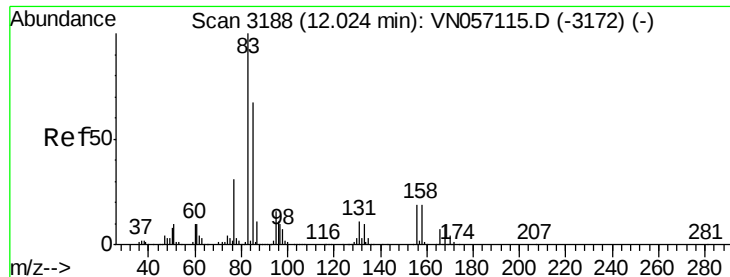
43 100

70 45.0 36.8 55.2

55 26.2 20.6 31.0

61 26.0 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.940 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBSD01

Tgt Ion: 83 Resp: 278656
Ion Ratio Lower Upper

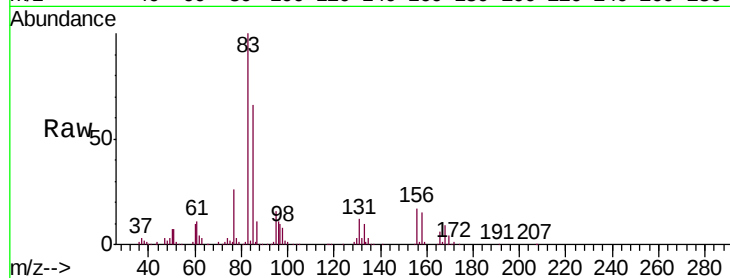
83 100

131 11.6 5.5 16.4

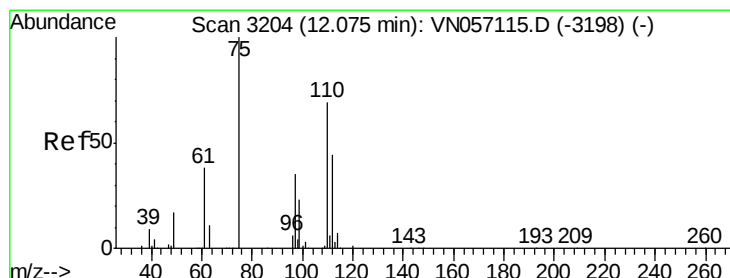
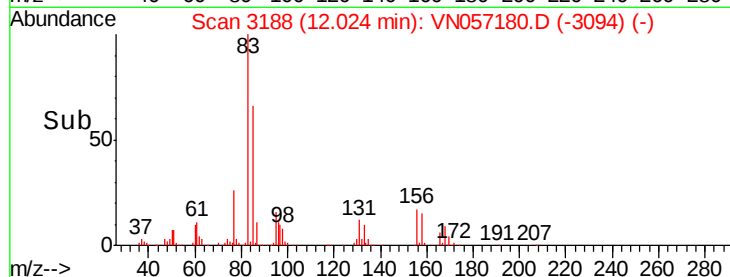
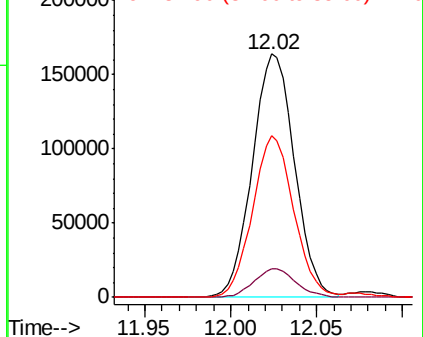
85 64.8 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 21.166 ug/l m

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

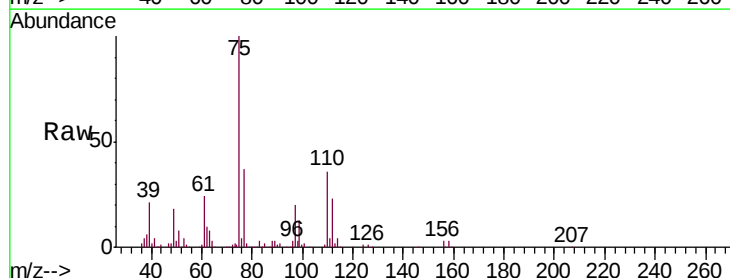
Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

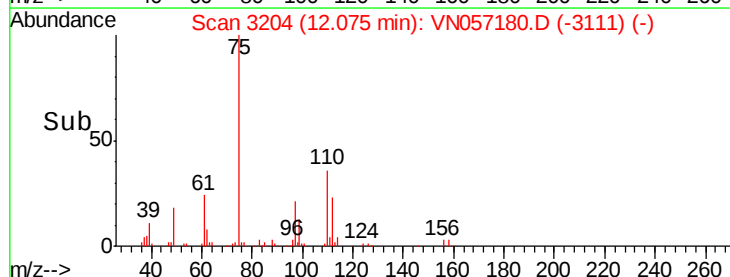
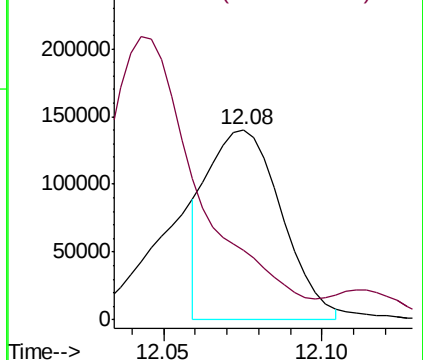
Tgt Ion: 75 Resp: 226198
Ion Ratio Lower Upper

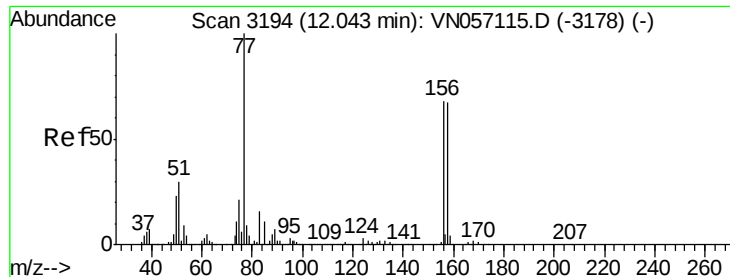
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.610 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

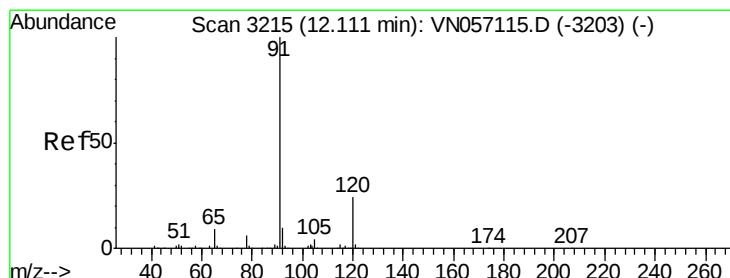
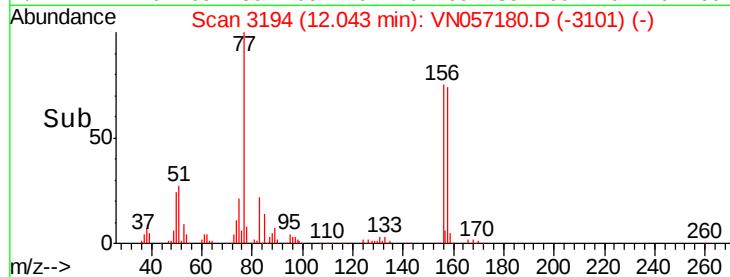
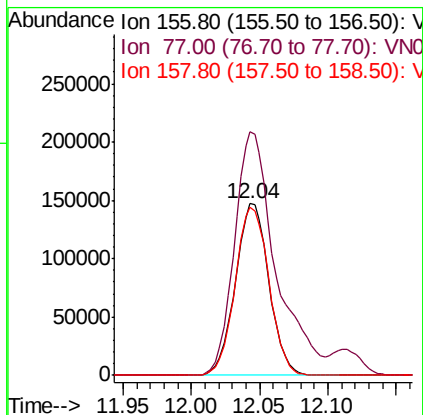
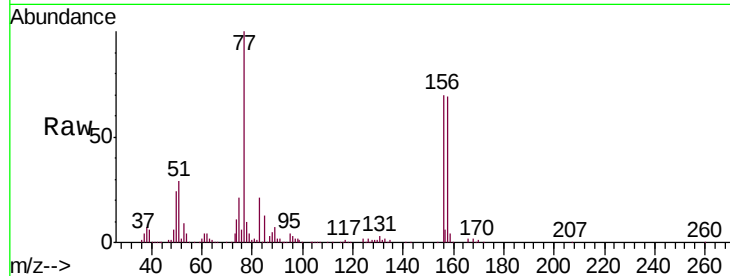
ClientSampleId :

VN0811WBSD01

Tgt Ion:	156	Resp:	250955
Ion Ratio	Lower	Upper	
156	100		
77	175.3	88.7	266.1
158	98.9	49.3	147.8

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#78

n-propylbenzene

Concen: 20.196 ug/l

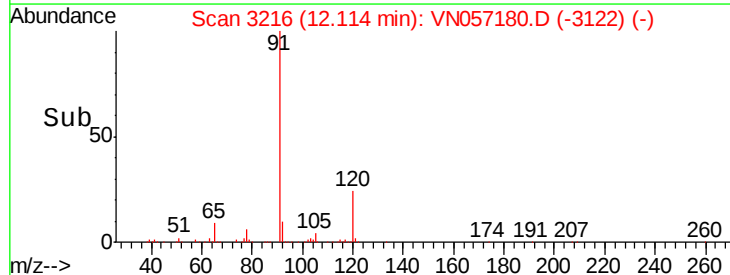
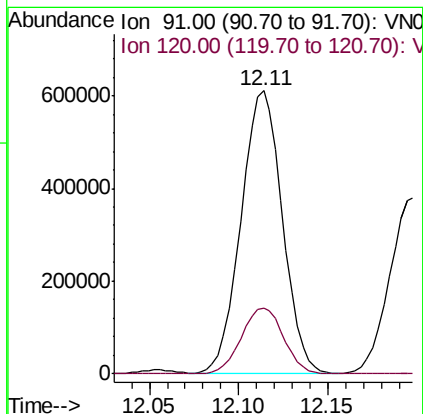
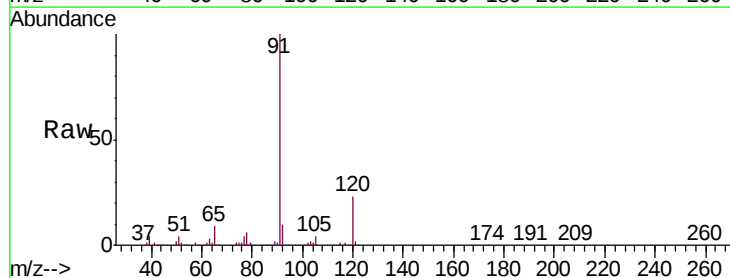
RT: 12.11 min Scan# 3216

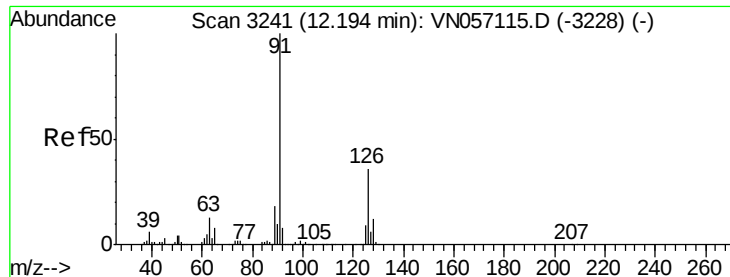
Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Tgt Ion:	91	Resp:	981528
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.0	36.0





#79

2-Chlorotoluene

Concen: 22.206 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBSD01

Tgt Ion: 91 Resp: 630559

Ion Ratio Lower Upper

91 100

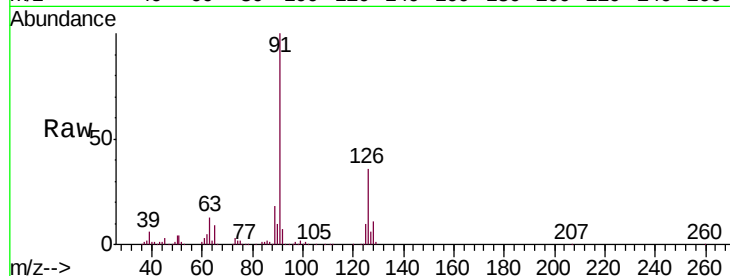
126 35.3 18.1 54.3

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Abundance Ion 91.00 (90.70 to 91.70): VN057180.D (-3148) (-)

Ion 125.90 (125.60 to 126.60): VN057180.D (-3148) (-)

600000

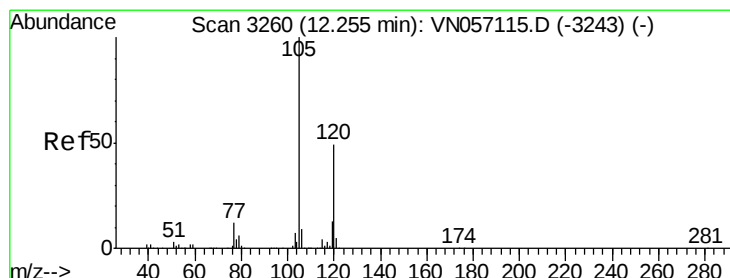
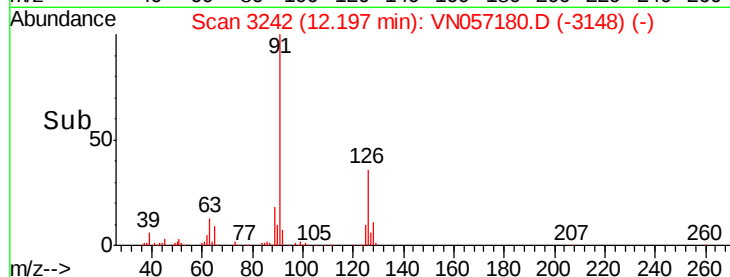
400000

200000

0

12.15 12.20 12.25

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.754 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057180.D

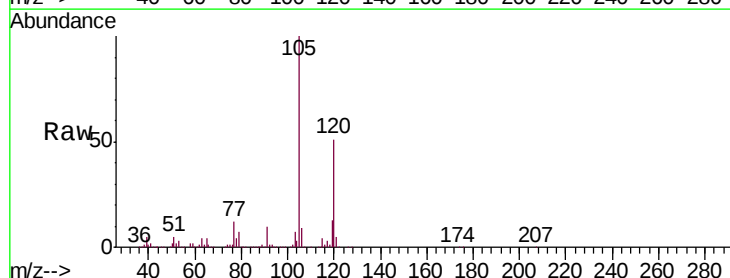
Acq: 11 Aug 2019 12:13

Tgt Ion: 105 Resp: 811698

Ion Ratio Lower Upper

105 100

120 50.5 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN057180.D (-3167) (-)

Ion 120.00 (119.70 to 120.70): VN057180.D (-3167) (-)

600000

500000

400000

300000

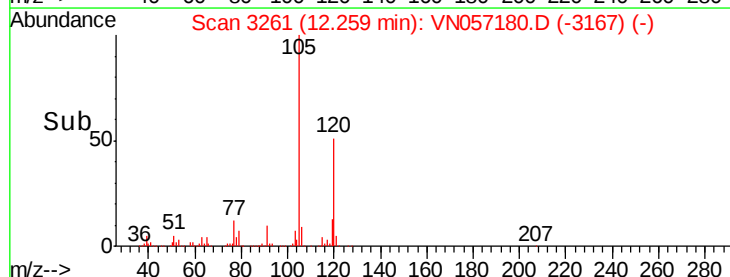
200000

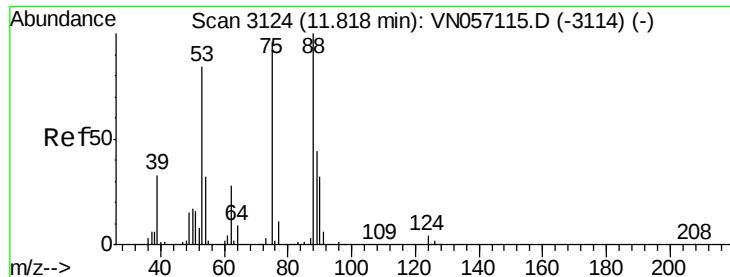
100000

0

12.20 12.25 12.30

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.684 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

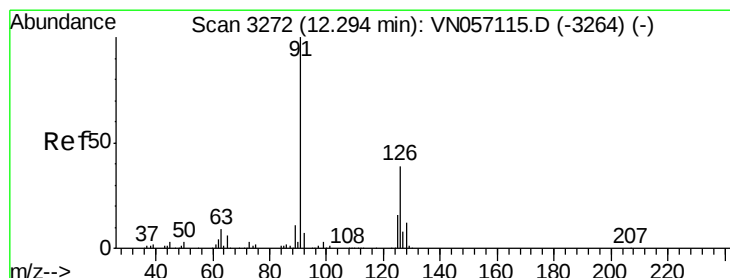
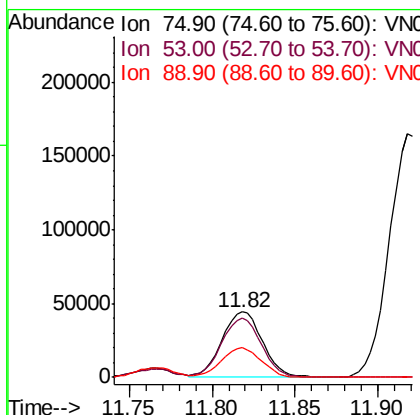
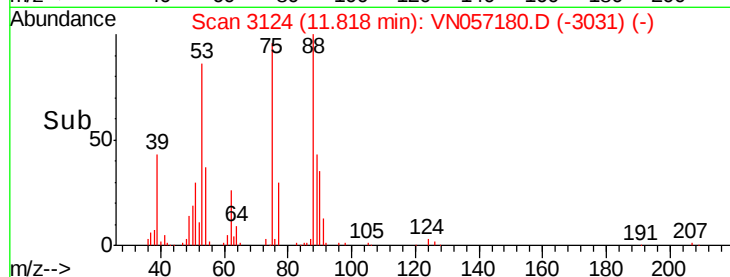
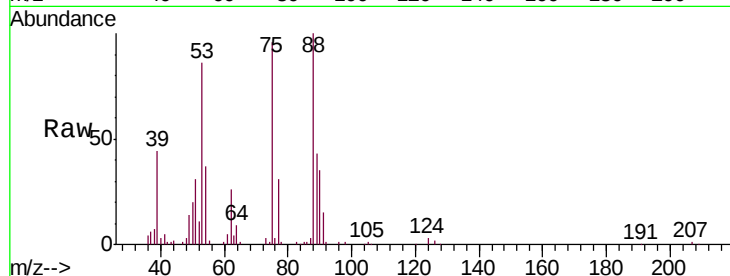
ClientSampleId :

VN0811WBSD01

Tgt Ion:	75	Resp:	74709
Ion	Ratio	Lower	Upper
75	100		
53	90.0	70.6	106.0
89	45.2	36.4	54.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.952 ug/l

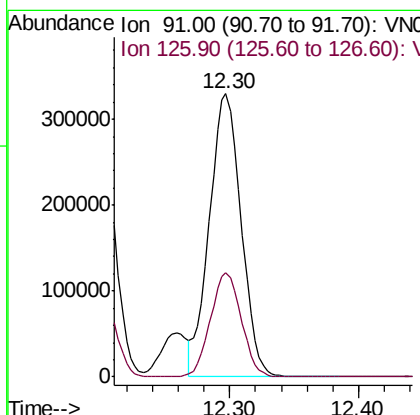
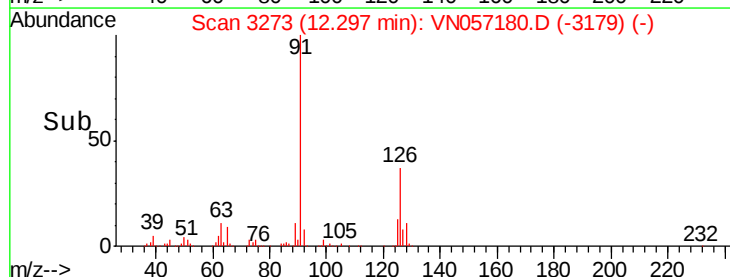
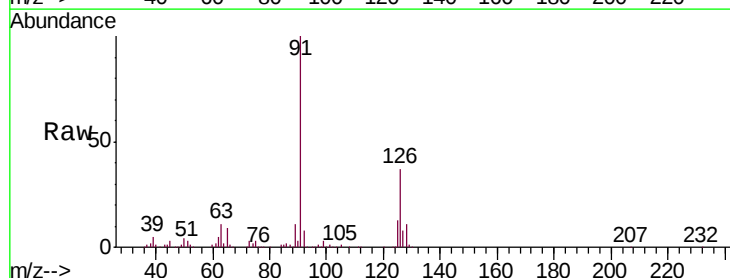
RT: 12.30 min Scan# 3273

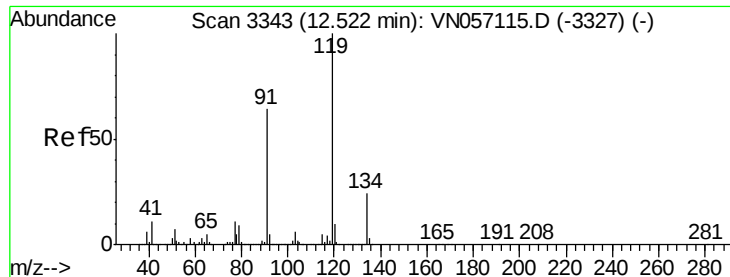
Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Tgt Ion:	91	Resp:	561472
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.9	53.7





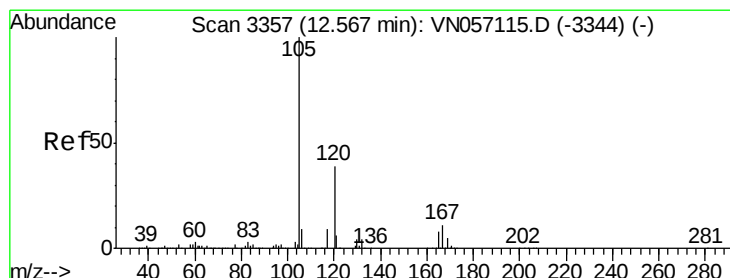
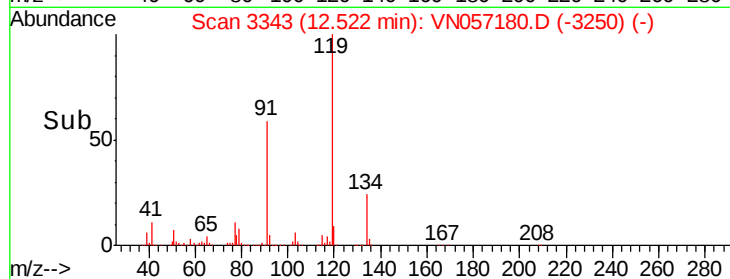
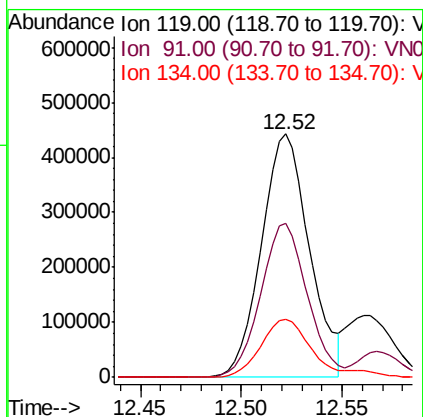
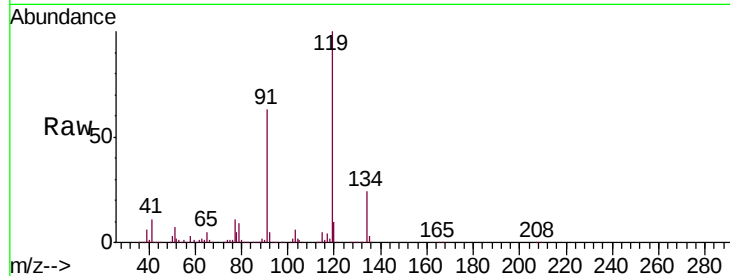
#83
 tert-Butylbenzene
 Concen: 22.651 ug/l
 RT: 12.52 min Scan# 3343
 Delta R.T. 0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	733571		
91	61.6	31.4	94.2	
134	26.3	13.2	39.6	

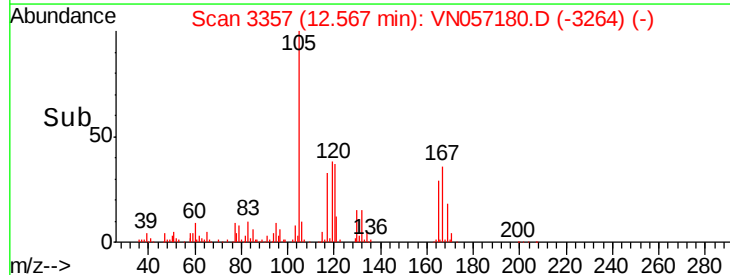
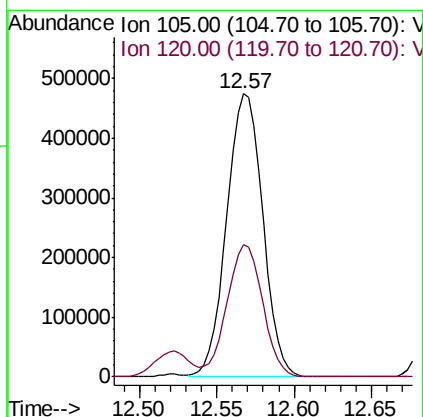
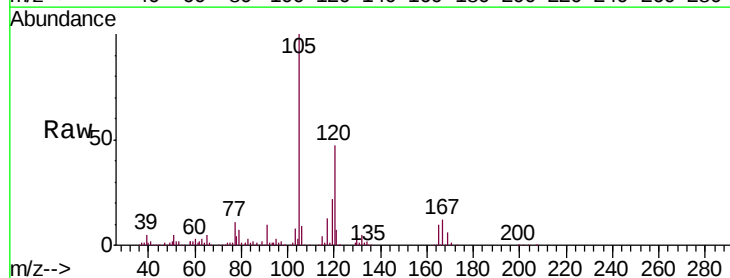
Manual Integrations
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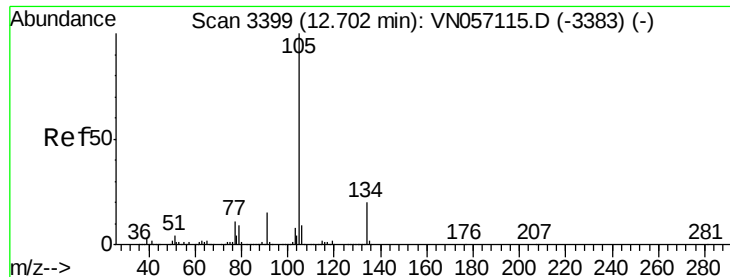
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.253 ug/l
 RT: 12.57 min Scan# 3357
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	765625		
120	46.6	23.3	69.8	





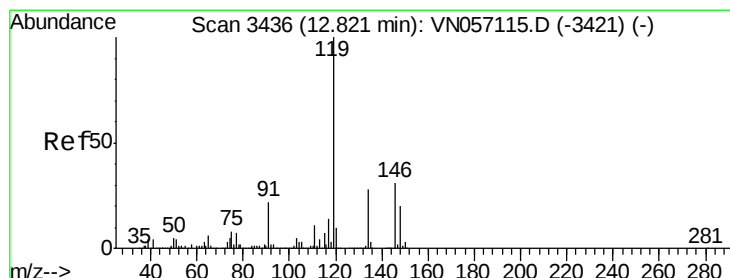
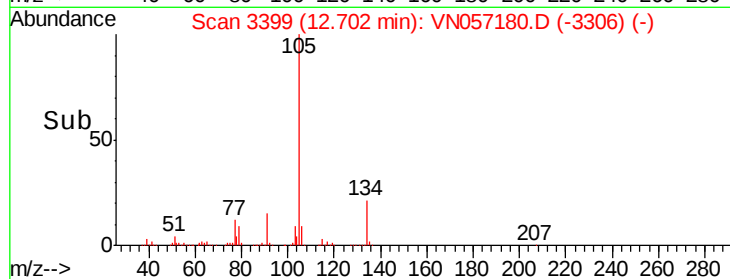
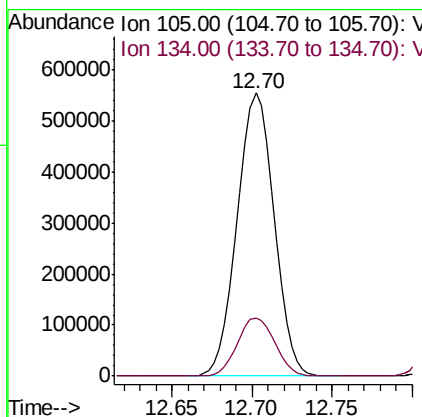
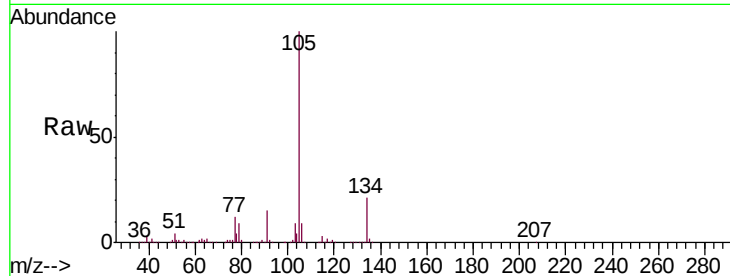
#85
 sec-Butylbenzene
 Concen: 19.744 ug/l
 RT: 12.70 min Scan# 3399
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBSD01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.2	30.4

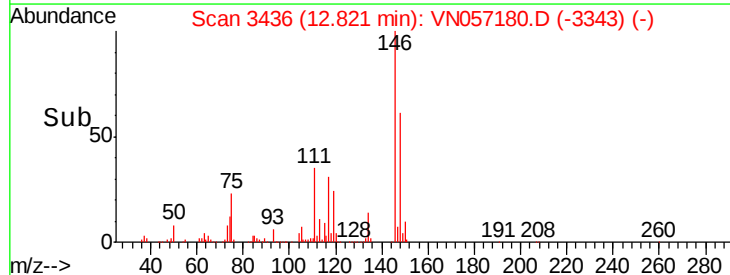
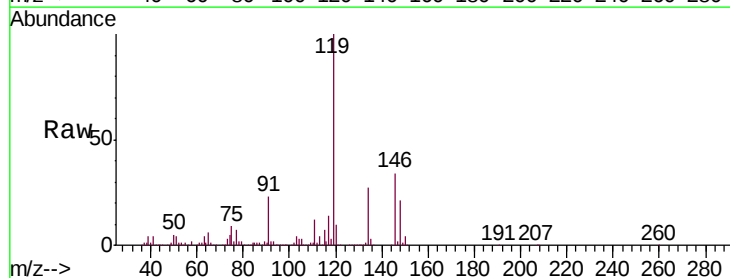
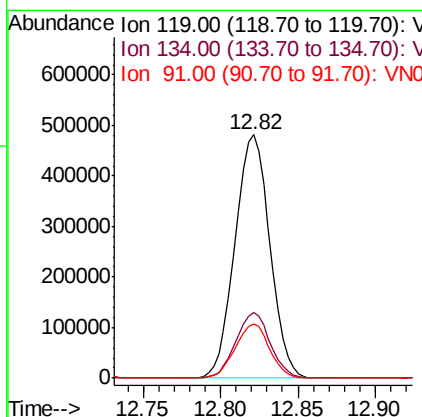
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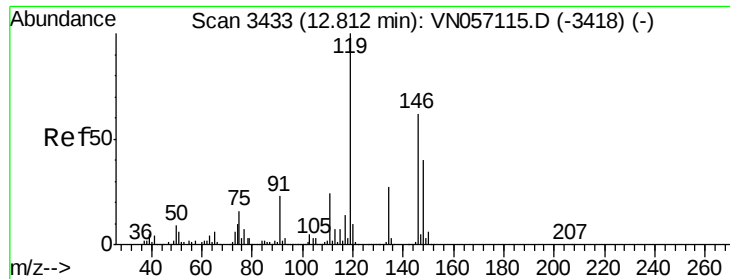
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#86
 p-Isopropyltoluene
 Concen: 19.432 ug/l
 RT: 12.82 min Scan# 3436
 Delta R.T. -0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.8	41.3
91	22.0	11.0	33.0





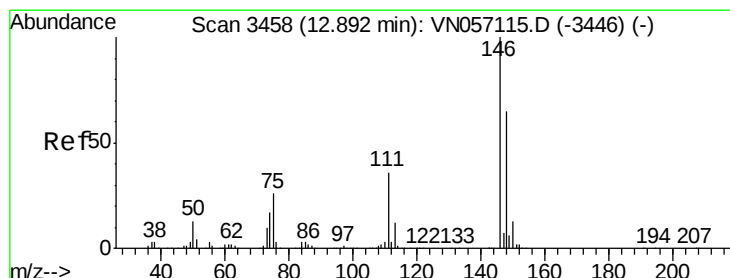
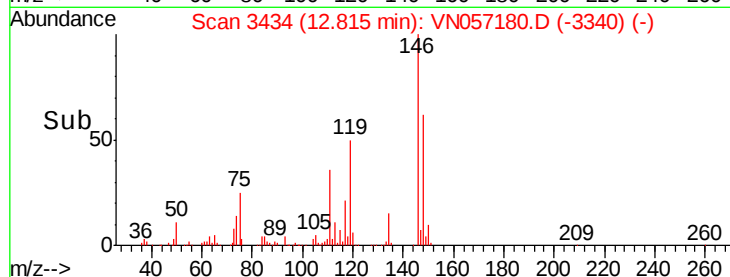
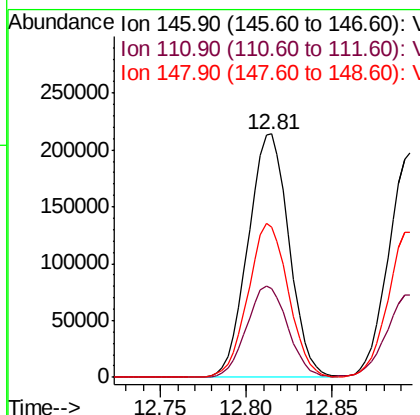
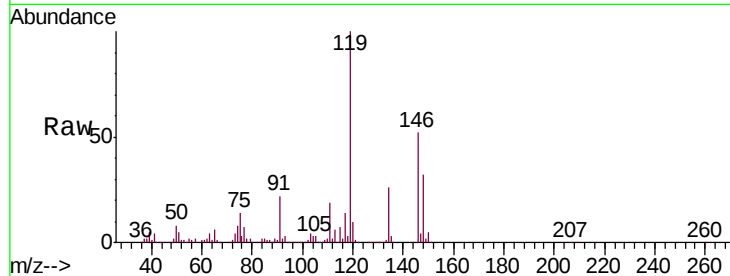
#87
 1,3-Dichlorobenzene
 Concen: 20.435 ug/l
 RT: 12.81 min Scan# 3434
 Delta R.T. 0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0811WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	354255		
111	37.7	18.8	56.4	
148	62.4	32.4	97.0	

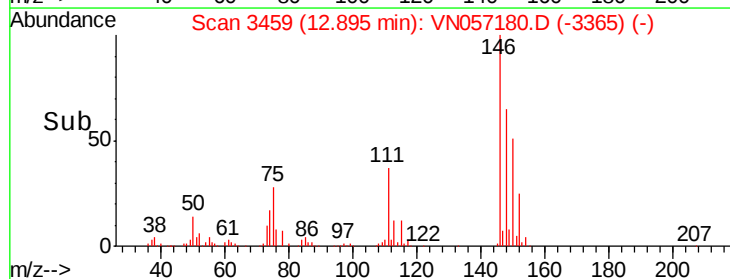
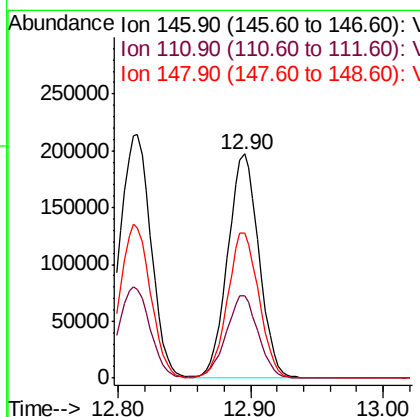
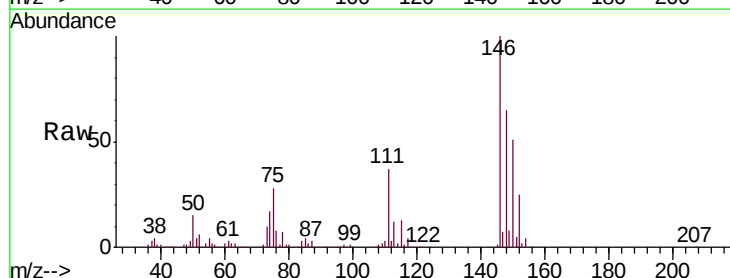
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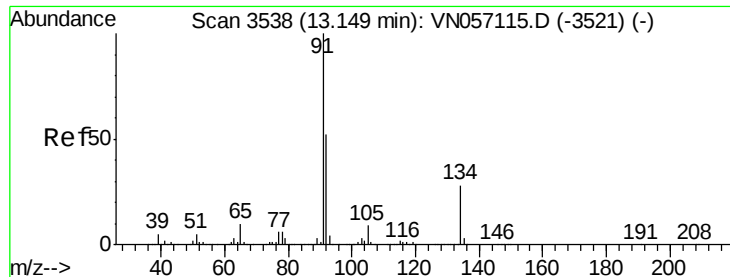
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#88
 1,4-Dichlorobenzene
 Concen: 19.629 ug/l
 RT: 12.90 min Scan# 3459
 Delta R.T. 0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	322400		
111	37.9	18.2	54.6	
148	64.9	32.0	96.2	





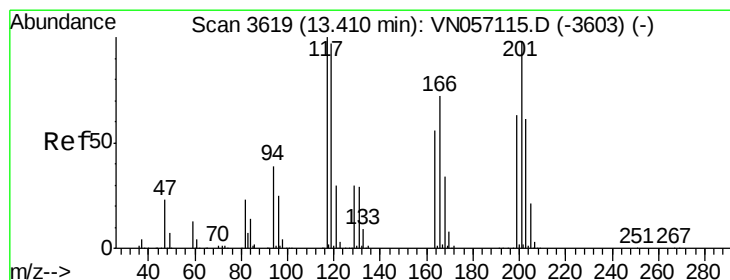
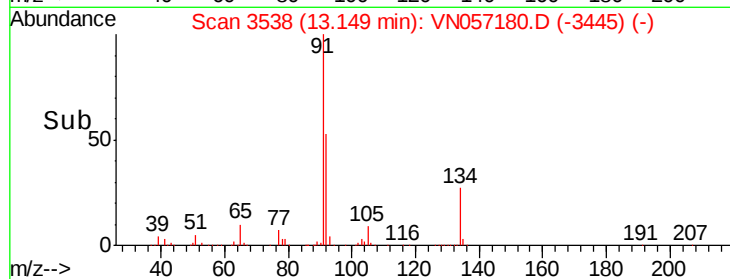
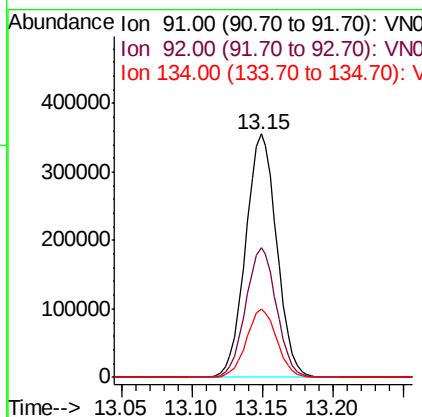
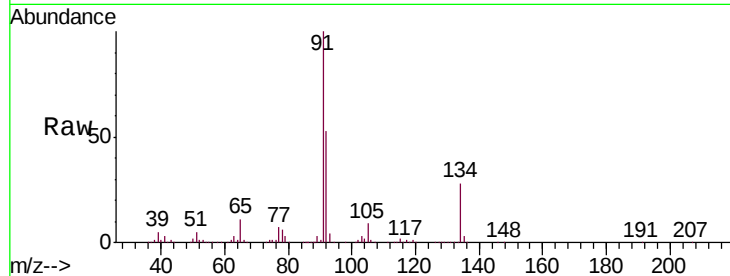
#89
n-Butylbenzene
Concen: 20.571 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. -0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.4
134	27.3	14.1	42.3

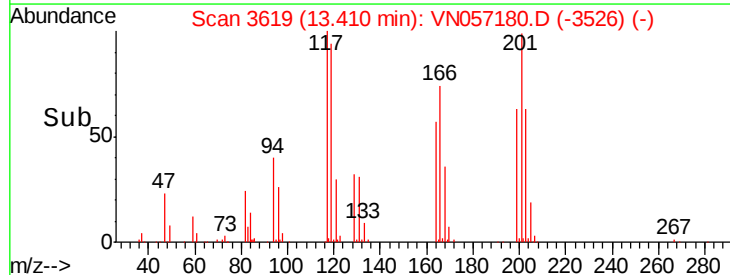
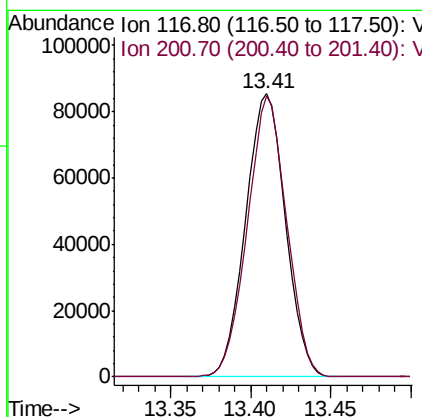
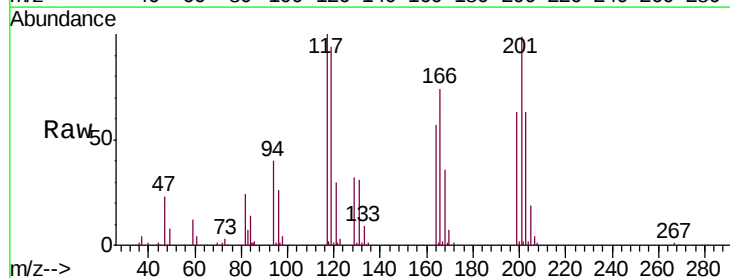
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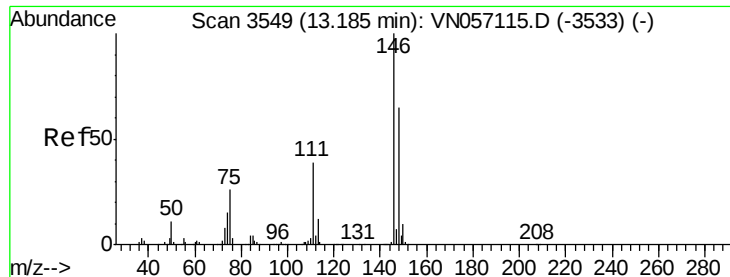
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#90
Hexachloroethane
Concen: 23.073 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.8	49.3	147.8





#91

1,2-Dichlorobenzene

Concen: 19.884 ug/l

RT: 13.19 min Scan# 3550

Delta R.T. 0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Instrument :

MSVOA_N

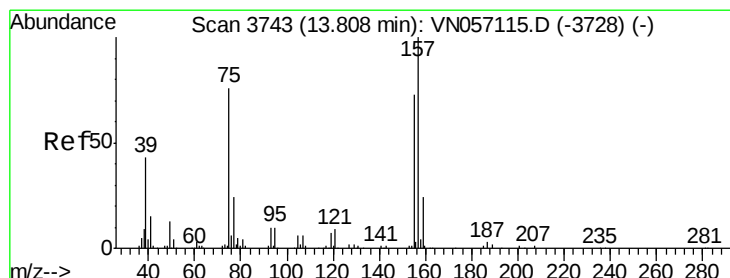
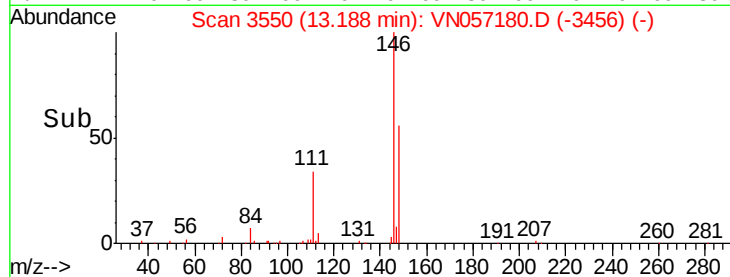
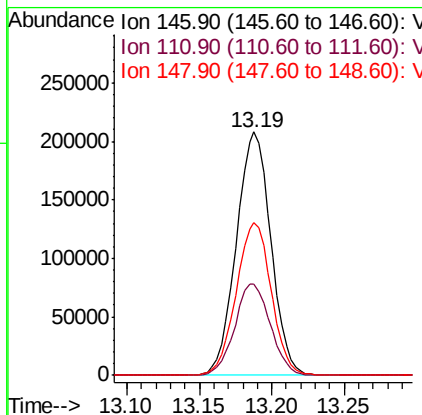
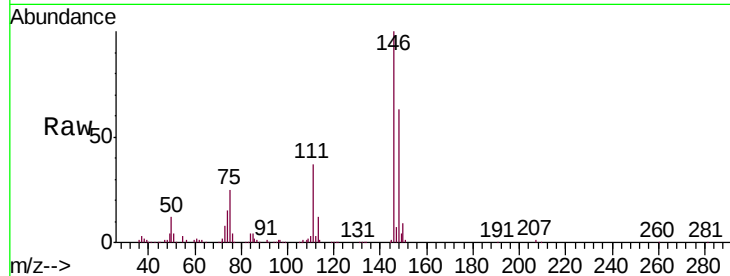
ClientSampleId :

VN0811WBSD01

Tgt Ion:	146	Resp:	344210
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.2	57.6
148	63.6	32.4	97.0

Manual Integrations
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8/12/2019 3:41:33 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.814 ug/l

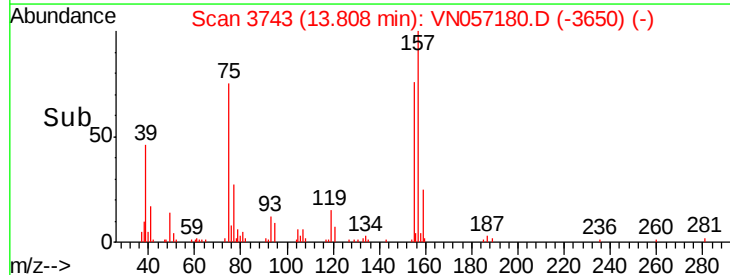
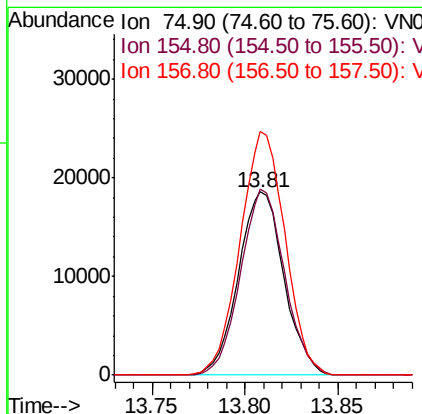
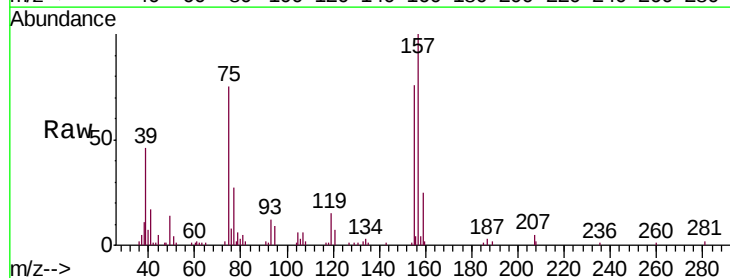
RT: 13.81 min Scan# 3743

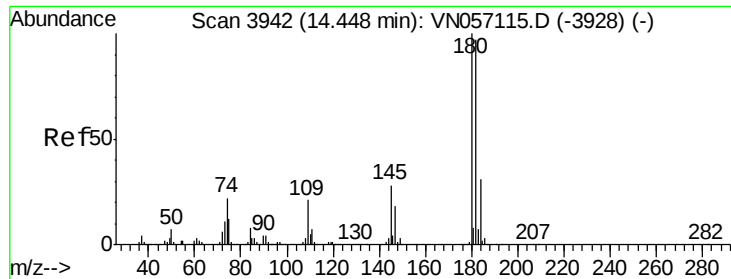
Delta R.T. -0.00 min

Lab File: VN057180.D

Acq: 11 Aug 2019 12:13

Tgt Ion:	75	Resp:	31724
Ion Ratio	Lower	Upper	
75	100		
155	98.2	49.3	147.9
157	131.5	65.3	195.8





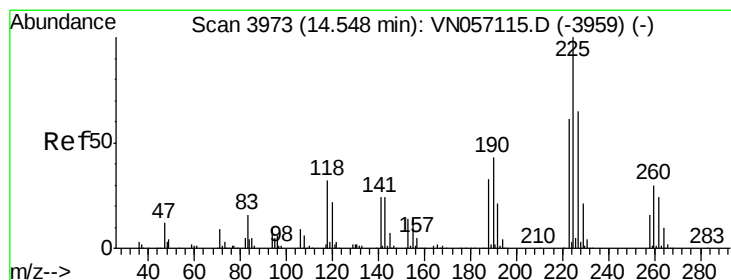
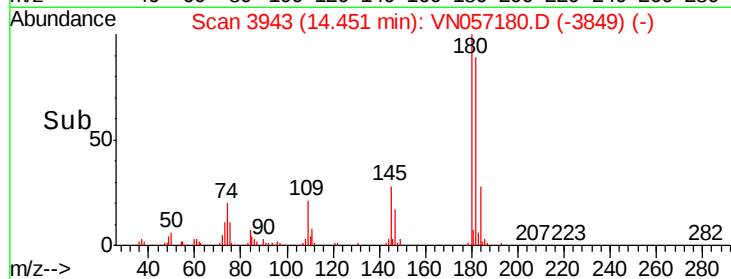
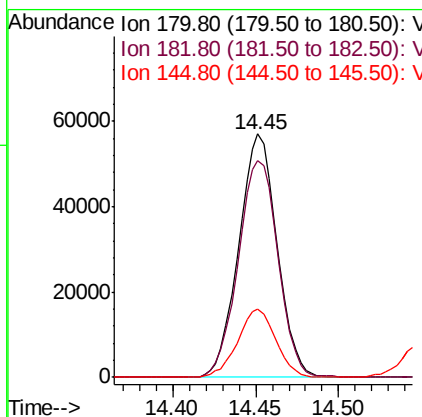
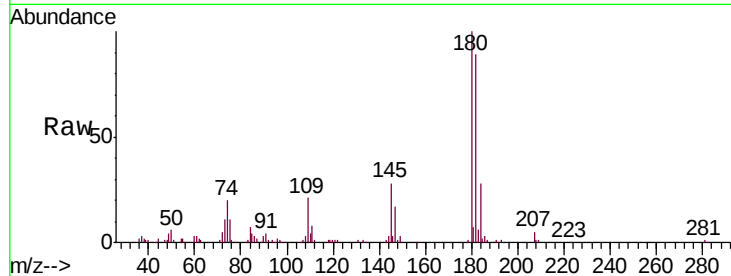
#93
 1,2,4-Trichlorobenzene
 Concen: 16.886 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	91260		
182	92.7	47.5	142.6	
145	27.8	14.1	42.2	

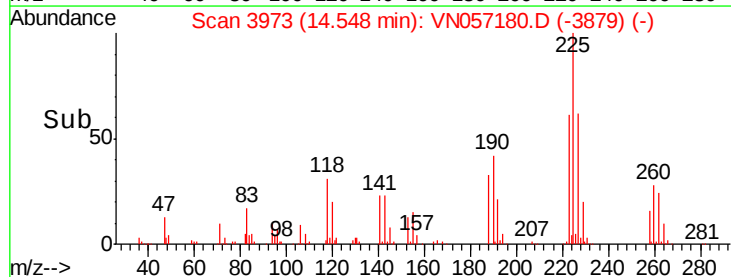
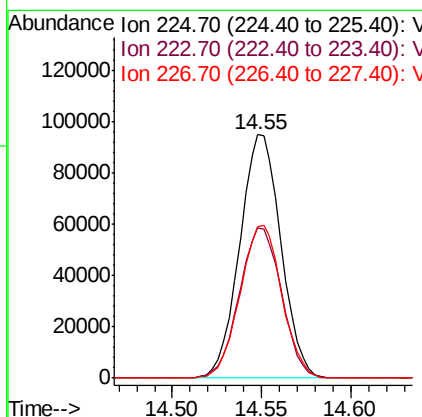
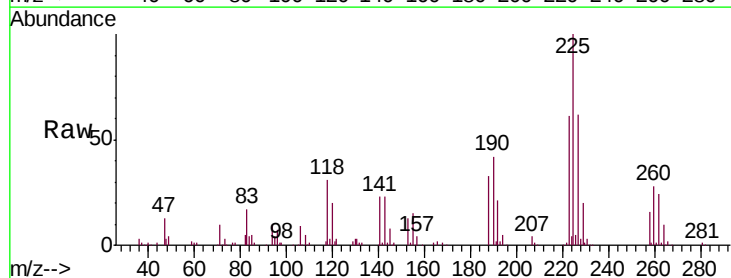
Manual Integrations
 APPROVED

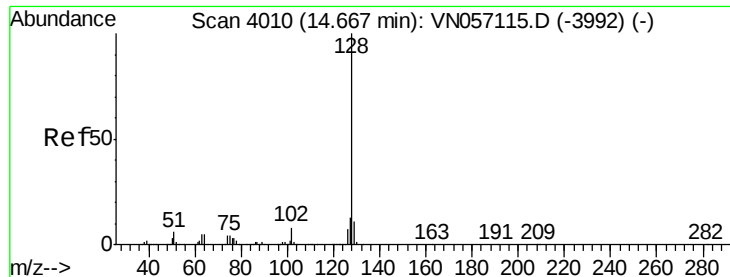
MMDadoda
 8/12/2019 3:41:33 PM



#94
 Hexachlorobutadiene
 Concen: 23.239 ug/l
 RT: 14.55 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: VN057180.D
 Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	152579		
223	63.5	30.9	92.8	
227	63.7	32.4	97.0	





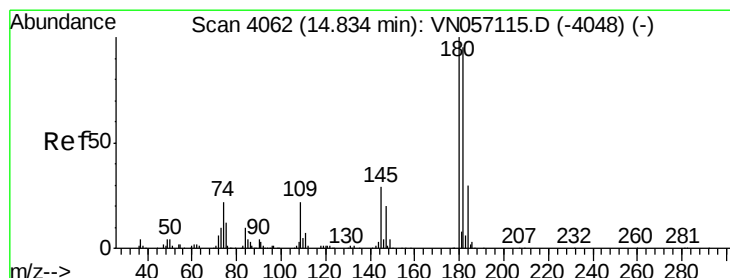
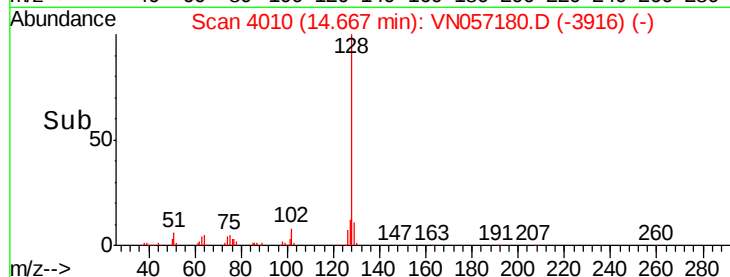
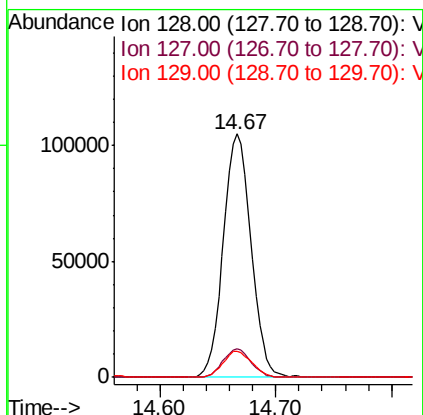
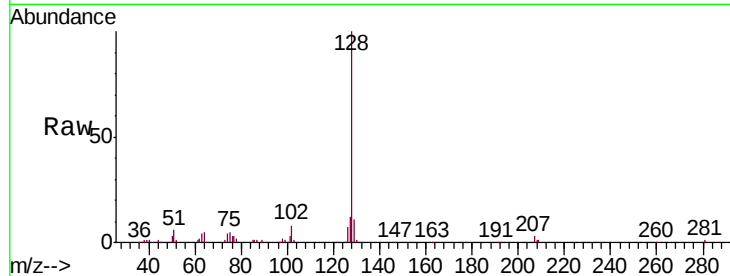
#95
Naphthalene
Concen: 15.452 ug/l
RT: 14.67 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.3	15.5
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/12/2019 3:41:33 PM



#96
1,2,3-Trichlorobenzene
Concen: 15.634 ug/l
RT: 14.84 min Scan# 4063
Delta R.T. 0.00 min
Lab File: VN057180.D
Acq: 11 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.7	48.3	144.8
145	31.2	14.9	44.5

