

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053048.D
 Acq On : 20 Dec 2018 11:27
 Operator : MD\SY
 Sample : VN1220WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 9:20:50 AM

Quant Time: Dec 21 00:48:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1024705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1553316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1388831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	652166	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	537785	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
35) Dibromofluoromethane	7.59	113	429652	60.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.10%	
50) Toluene-d8	10.09	98	1999658	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.40	95	688666	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	190199	18.340	ug/l	100
3) Chloromethane	2.06	50	234930	18.694	ug/l	100
4) Vinyl Chloride	2.19	62	235948	18.538	ug/l	97
5) Bromomethane	2.58	94	157532	17.865	ug/l	99
6) Chloroethane	2.71	64	140119	18.588	ug/l	99
7) Trichlorofluoromethane	3.02	101	303641	19.151	ug/l	99
8) Diethyl Ether	3.41	74	118148	19.752	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.77	101	194647	19.254	ug/l	98
10) Methyl Iodide	3.96	142	270960	19.086	ug/l	99
11) Tert butyl alcohol	4.78	59	58909	92.844	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	185635	19.007	ug/l	99
13) Acrolein	3.61	56	51099	88.818	ug/l	97
14) Allyl chloride	4.33	41	282044	18.643	ug/l	99
15) Acrylonitrile	4.99	53	337550	95.761	ug/l	99
16) Acetone	3.82	43	186889	91.663	ug/l	95
17) Carbon Disulfide	4.06	76	511564	16.061	ug/l	99
18) Methyl Acetate	4.32	43	173067	19.323	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	509416	19.490	ug/l	99
20) Methylene Chloride	4.55	84	214584	19.294	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	197720	18.842	ug/l	99
22) Diisopropyl ether	5.95	45	649938	20.127	ug/l	97
23) Vinyl Acetate	5.90	43	1890492	101.810	ug/l	98
24) 1,1-Dichloroethane	5.85	63	376192	19.605	ug/l	99
25) 2-Butanone	6.83	43	338890	99.040	ug/l	99
26) 2,2-Dichloropropane	6.83	77	273534	18.674	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	233880	19.687	ug/l	98
28) Bromochloromethane	7.20	49	163451	19.658	ug/l	95
29) Tetrahydrofuran	7.21	42	249369	97.578	ug/l	97
30) Chloroform	7.37	83	367025	19.471	ug/l	100
31) Cyclohexane	7.65	56	363099	19.535	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	302410	18.833	ug/l	99
36) 1,1-Dichloropropene	7.79	75	287246	19.266	ug/l	99
37) Ethyl Acetate	6.93	43	166218	19.971	ug/l	99
38) Carbon Tetrachloride	7.77	117	259174	18.965	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	338322	18.680	ug/l	97
40) Benzene	8.04	78	875277	19.737	ug/l	100
41) Methacrylonitrile	7.17	41	98774	20.540	ug/l	96
42) 1,2-Dichloroethane	8.12	62	252554	19.278	ug/l	98
43) Isopropyl Acetate	8.16	43	320423	19.252	ug/l	100
44) Trichloroethene	8.84	130	244289	19.045	ug/l	98
45) 1,2-Dichloropropane	9.12	63	230725	19.974	ug/l	100
46) Dibromomethane	9.21	93	131897	19.601	ug/l	98
47) Bromodichloromethane	9.40	83	275342	19.250	ug/l	99
48) Methyl methacrylate	9.20	41	152819	18.922	ug/l	97
49) 1,4-Dioxane	9.20	88	37140	363.537	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	819388	101.659	ug/l	99
52) Toluene	10.16	92	536192	19.507	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	276191	18.363	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	335235	19.418	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	190347	19.849	ug/l	98
56) Ethyl methacrylate	10.43	69	249495	19.657	ug/l	97
57) 1,3-Dichloropropane	10.71	76	329558	20.041	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	708043	101.610	ug/l	98
59) 2-Hexanone	10.75	43	541678	99.329	ug/l	98
60) Dibromochloromethane	10.90	129	201185	18.328	ug/l	99
61) 1,2-Dibromoethane	11.01	107	189593	19.467	ug/l	100
64) Tetrachloroethene	10.63	164	273741	18.196	ug/l	99
65) Chlorobenzene	11.43	112	631000	20.496	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	203178	18.978	ug/l	98
67) Ethyl Benzene	11.51	91	1039218	19.628	ug/l	99
68) m/p-Xylenes	11.62	106	784697	38.987	ug/l	99
69) o-Xylene	11.95	106	388058	20.092	ug/l	100
70) Styrene	11.96	104	629724	19.996	ug/l	100
71) Bromoform	12.13	173	135746	17.552	ug/l #	99
73) Isopropylbenzene	12.25	105	1023078	20.050	ug/l	100
74) N-amyl acetate	12.07	43	281334	19.859	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	208700	20.848	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	190398m	17.343	ug/l	
77) Bromobenzene	12.53	156	301953	22.765	ug/l	82
78) n-propylbenzene	12.59	91	1149831	19.786	ug/l	99
79) 2-Chlorotoluene	12.67	91	677837	18.817	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	825234	19.842	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59890	17.583	ug/l	98
82) 4-Chlorotoluene	12.77	91	691159	19.601	ug/l	99
83) tert-Butylbenzene	12.99	119	714779	19.432	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	839123	20.070	ug/l	100
85) sec-Butylbenzene	13.17	105	950124	19.097	ug/l	99
86) p-Isopropyltoluene	13.29	119	834098	19.402	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	449243	19.137	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	447925	18.841	ug/l	99
89) n-Butylbenzene	13.62	91	683142	18.471	ug/l	99
90) Hexachloroethane	13.88	117	113196	17.158	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	433559	19.623	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32631	18.852	ug/l	97

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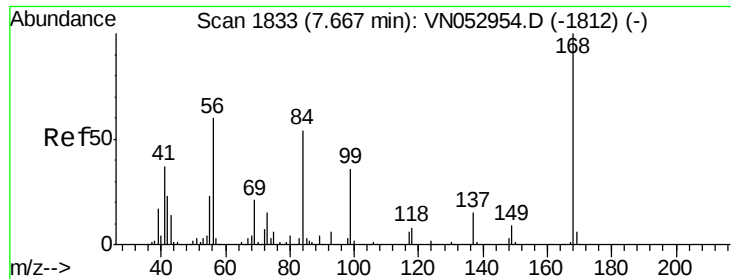
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	223038	19.423	ug/l	98
94) Hexachlorobutadiene	15.01	225	132226	20.099	ug/l	99
95) Naphthalene	15.13	128	502046	20.277	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	204169	19.680	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Instrument :

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ClientSampleId :

VN1220WBS01

Tot Ion:168 Resp: 1024705

Ion Ratio Lower Upper

168 100

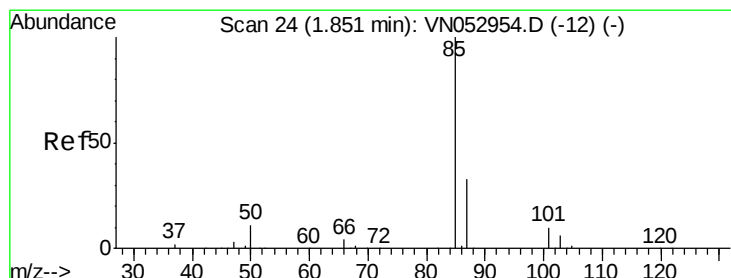
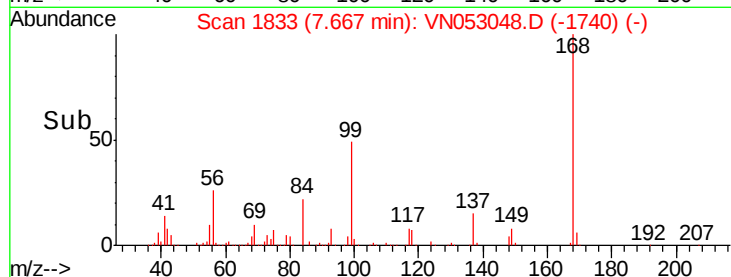
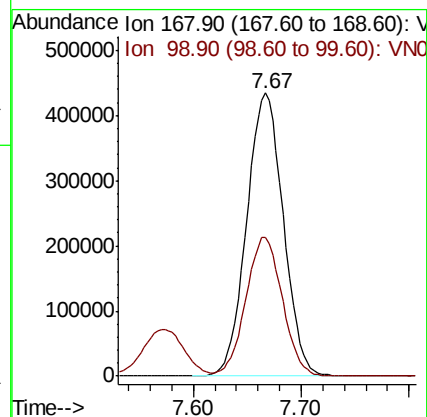
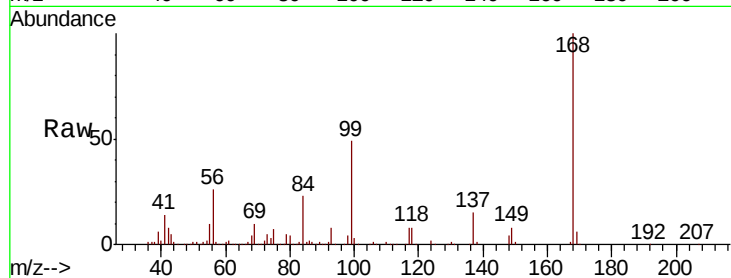
99 48.9 40.2 60.2

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#2

Dichlorodifluoromethane

Concen: 18.340 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053048.D

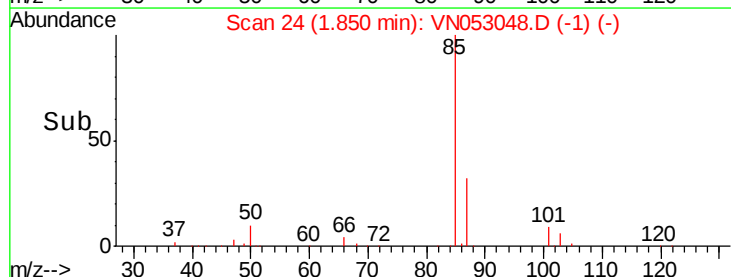
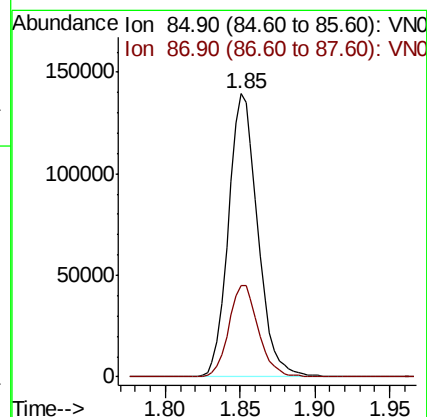
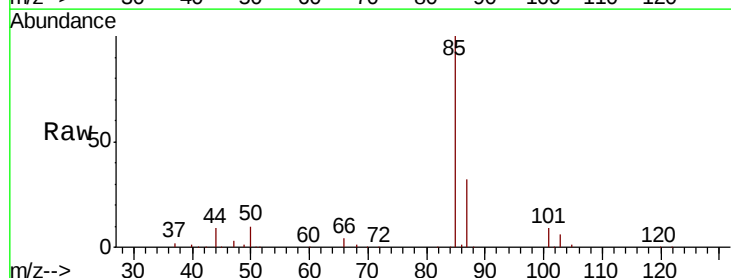
Acq: 20 Dec 2018 11:27

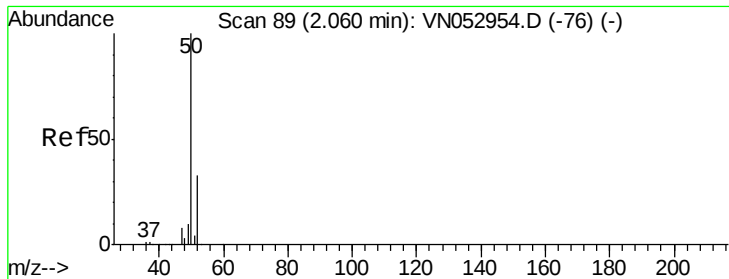
Tgt Ion: 85 Resp: 190199

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8





#3

Chloromethane

Concen: 18.694 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS01

Tot Ion: 50 Resp: 234930

Ion Ratio Lower Upper

50 100

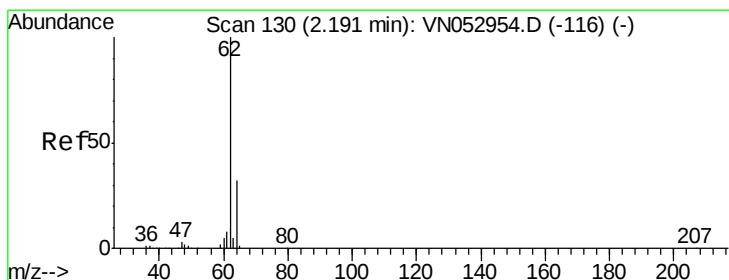
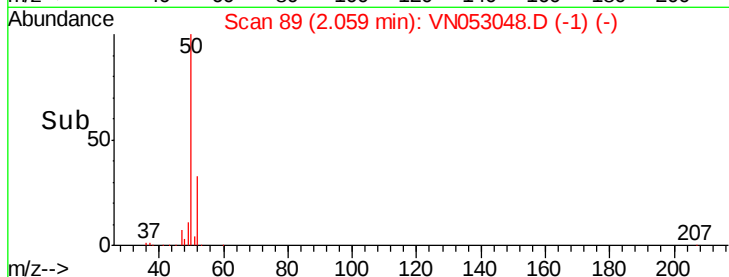
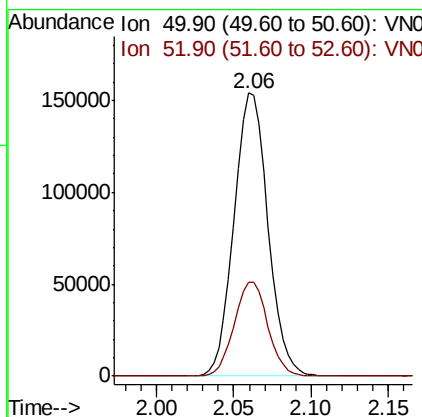
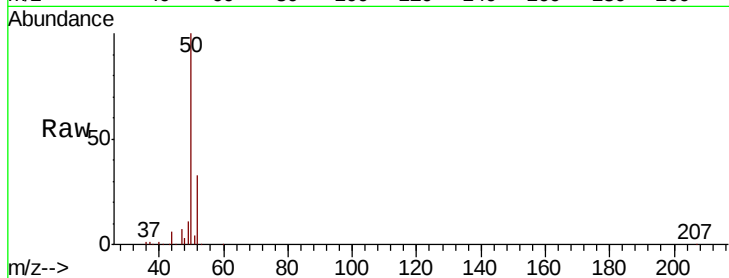
52 33.1 26.2 39.4

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#4

Vinyl Chloride

Concen: 18.538 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053048.D

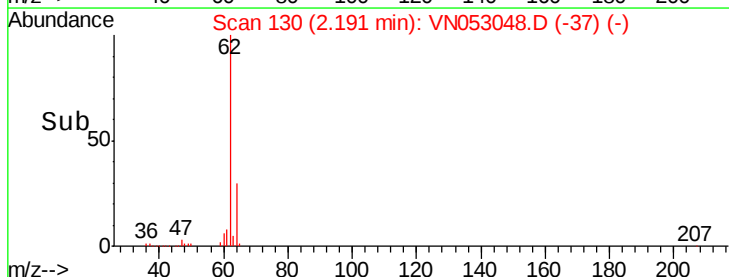
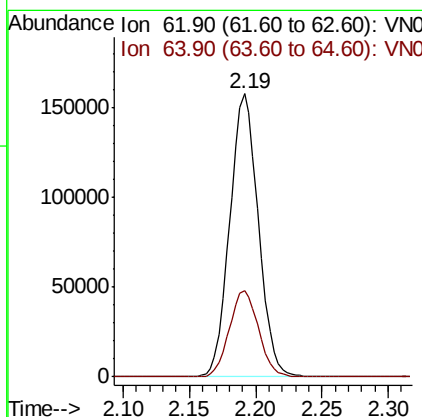
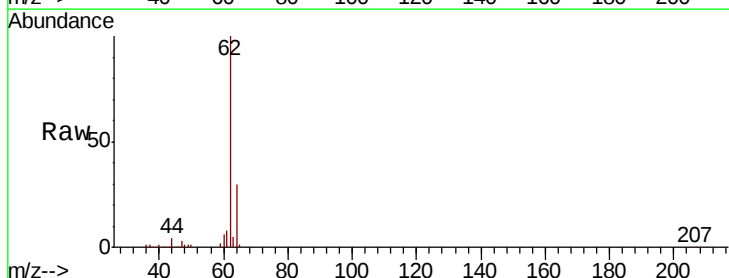
Acq: 20 Dec 2018 11:27

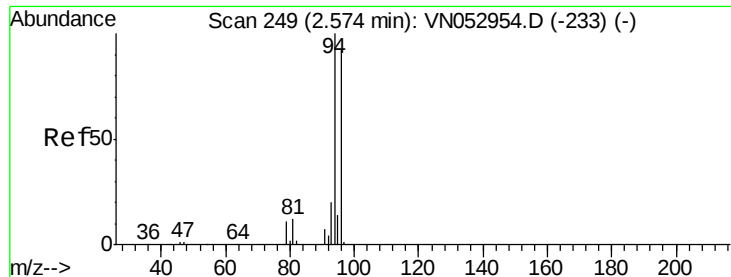
Tgt Ion: 62 Resp: 235948

Ion Ratio Lower Upper

62 100

64 30.4 25.5 38.3





#5

Bromomethane

Concen: 17.865 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Instrument :

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ClientSampleId :

VN1220WBS01

Tot Ion: 94 Resp: 157532

Ion Ratio Lower Upper

94 100

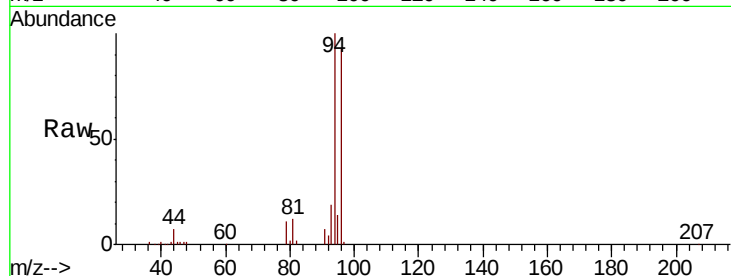
96 93.1 75.0 112.4

Manual Integrations

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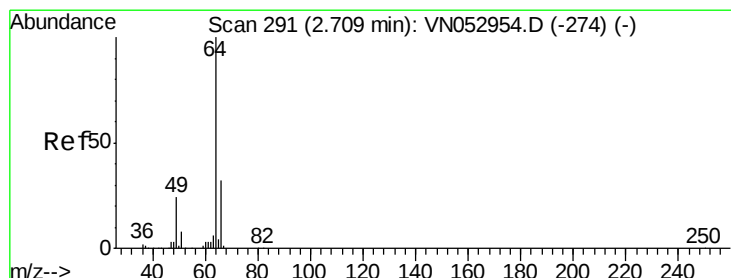
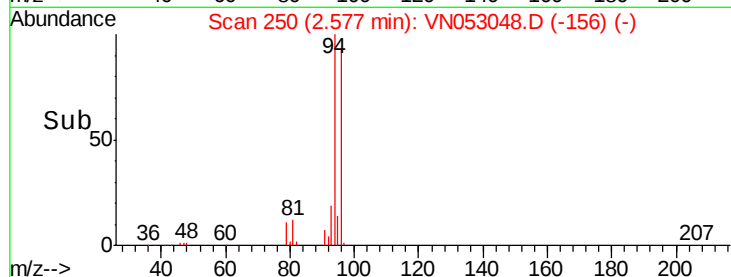
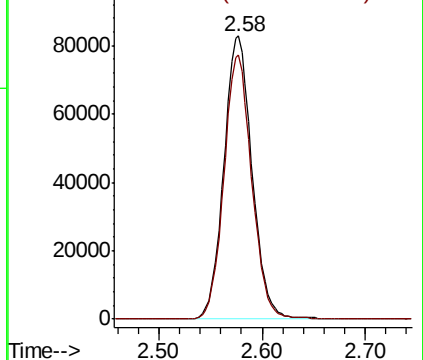
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 18.588 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053048.D

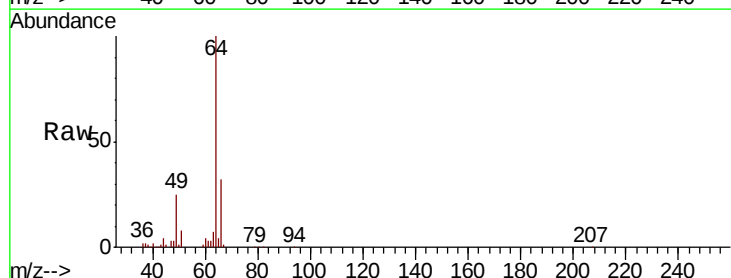
Acq: 20 Dec 2018 11:27

Tgt Ion: 64 Resp: 140119

Ion Ratio Lower Upper

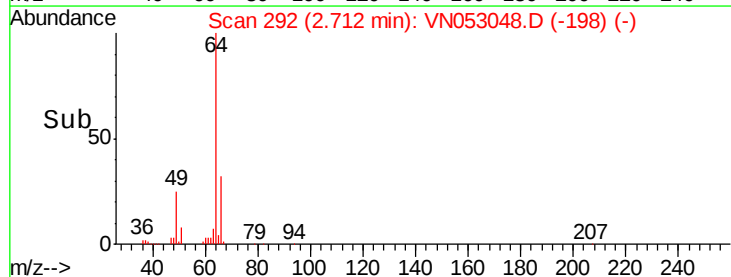
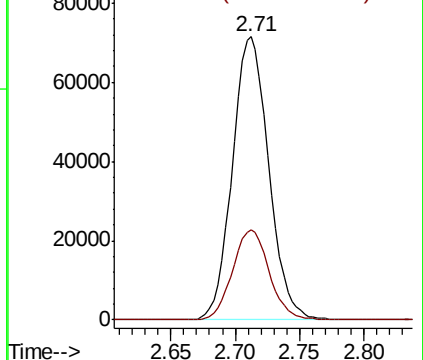
64 100

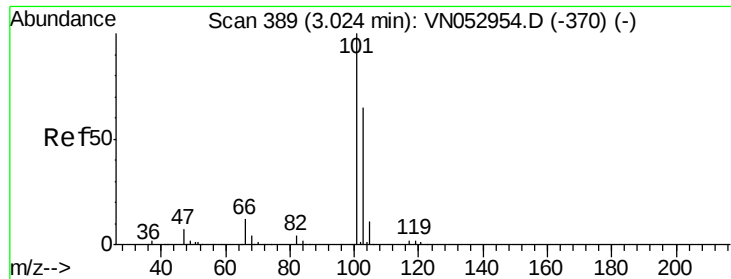
66 31.9 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

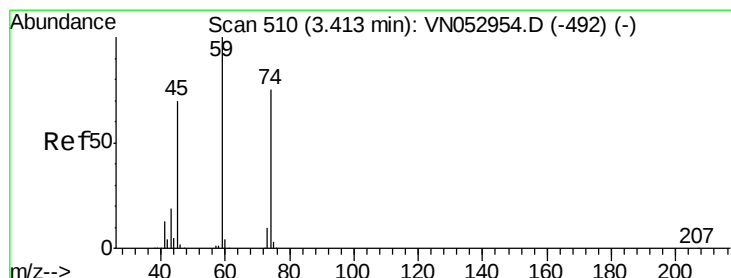
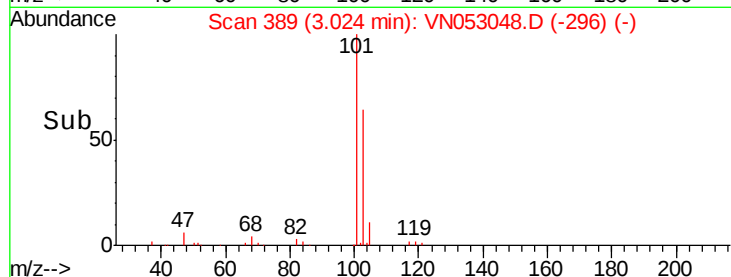
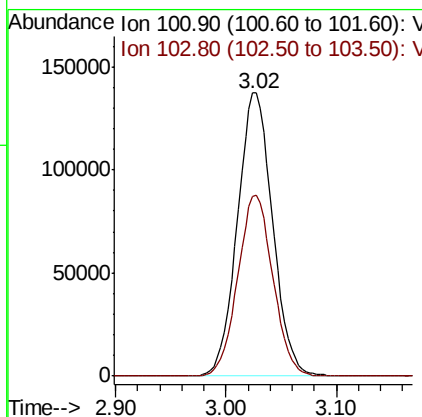
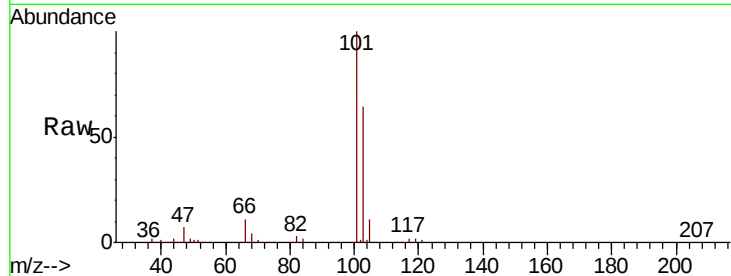
Trichlorofluoromethane
 Concen: 19.151 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053048.D
 Acq: 20 Dec 2018 11:27

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		303641		
103	63.5	51.8	77.6		

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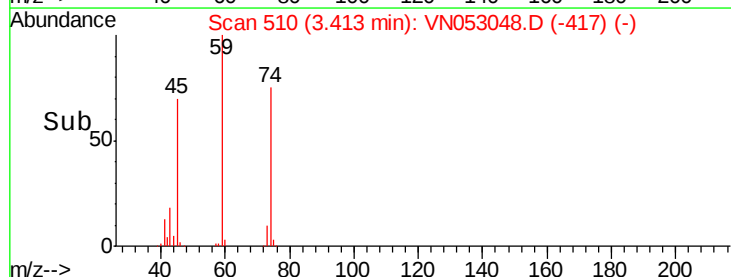
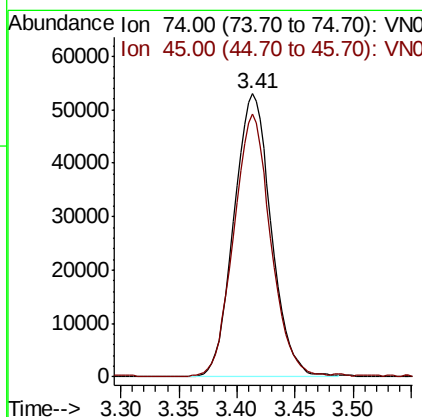
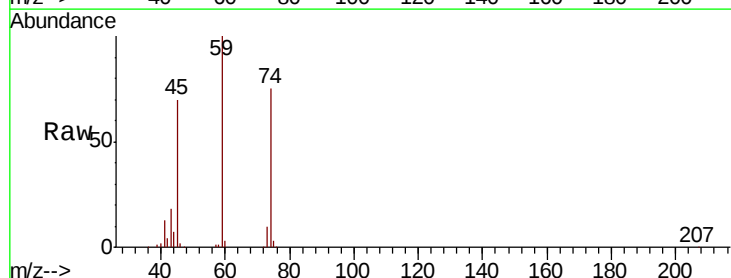
MMDadoda
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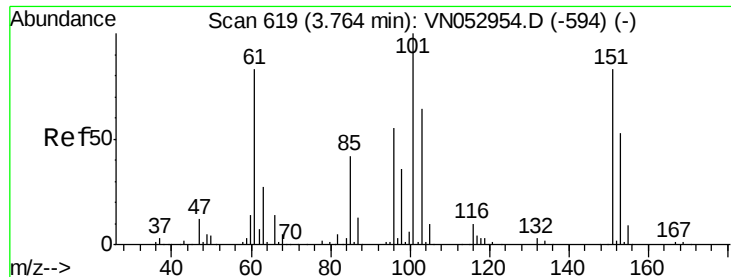


#8

Diethyl Ether
 Concen: 19.752 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053048.D
 Acq: 20 Dec 2018 11:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		118148		
45	92.2	49.4	148.0		





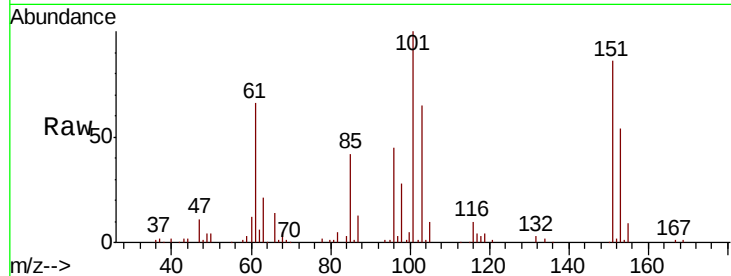
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.254 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN053048.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	194647		
85	40.9	33.6	50.4	
151	84.2	65.5	98.3	

Manual Integrations
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MMDadoda
 12/21/2018 9:20:50 AM

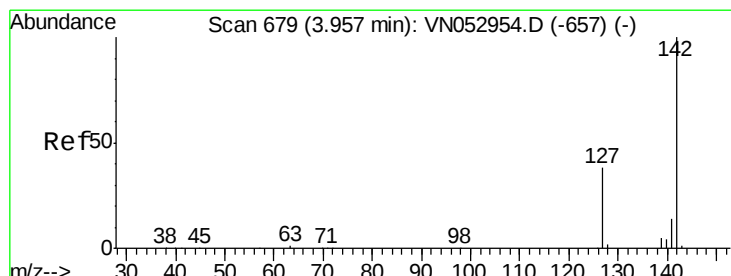
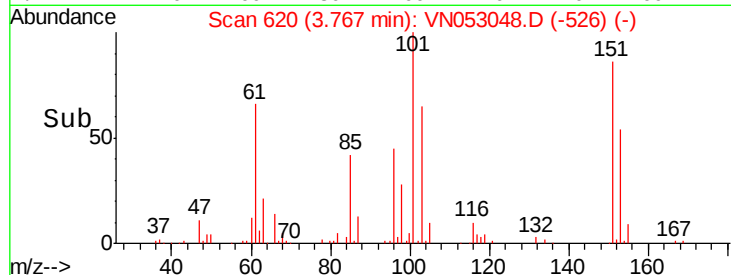
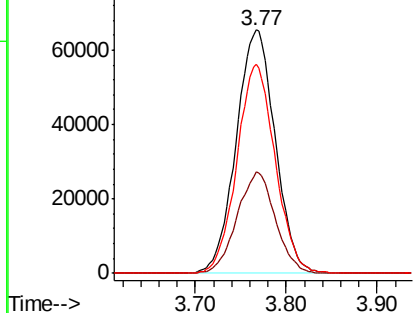


Abundance

Ion 100.90 (100.60 to 101.60): V

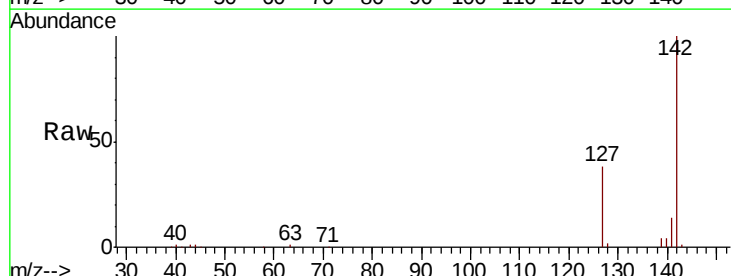
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 19.086 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: VN053048.D
 Acq: 20 Dec 2018 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	270960		
127	38.2	31.0	46.6	
141	14.1	11.2	16.8	

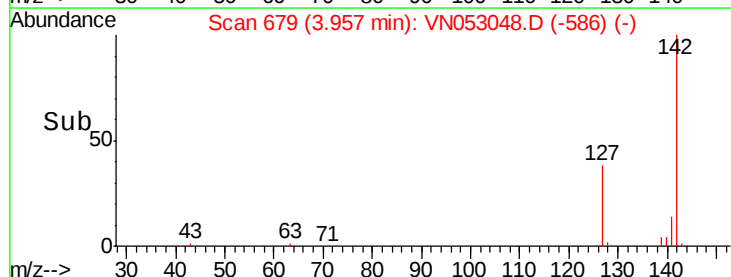
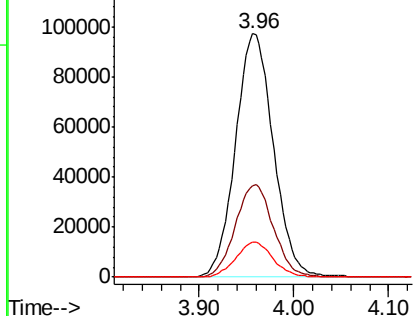


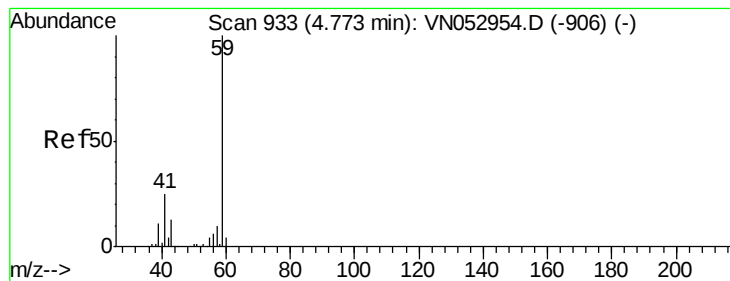
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

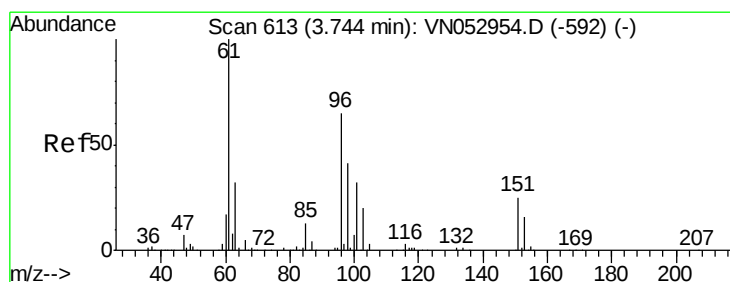
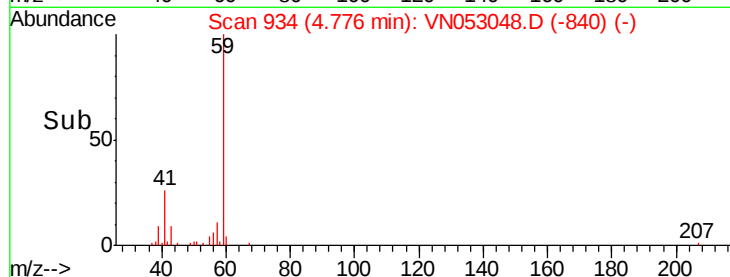
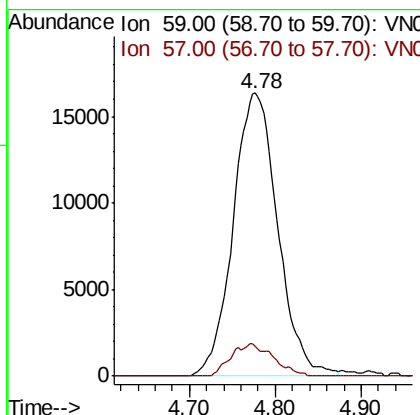
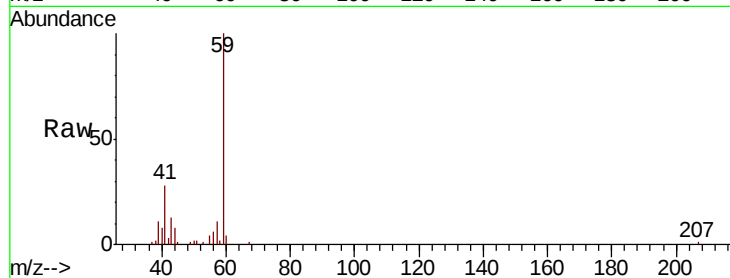
Tert butyl alcohol
 Concen: 92.844 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053048.D
 Acq: 20 Dec 2018 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.1	7.7	11.5#

Manual Integrations
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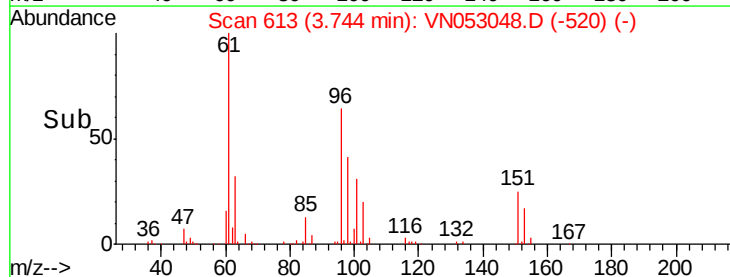
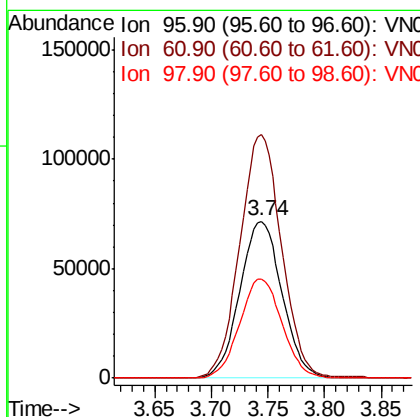
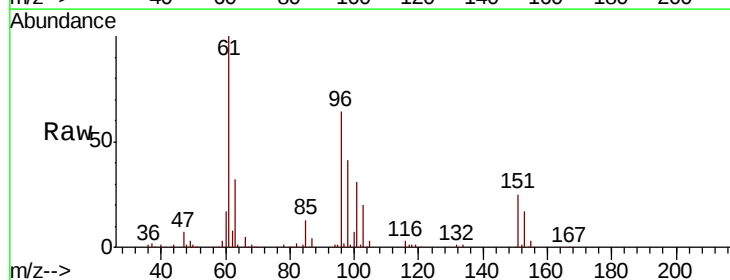
MMDadoda
 12/21/2018 9:20:50 AM

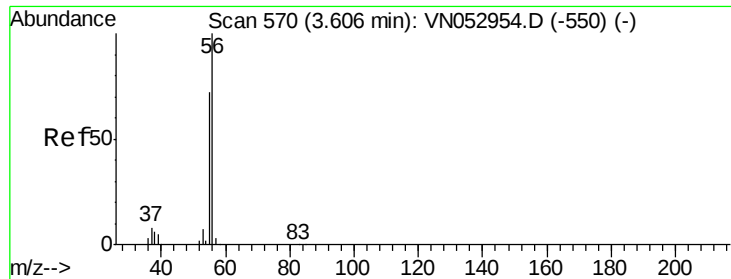


#12

1,1-Dichloroethene
 Concen: 19.007 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053048.D
 Acq: 20 Dec 2018 11:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.5	125.6	188.4
98	63.3	50.6	75.8





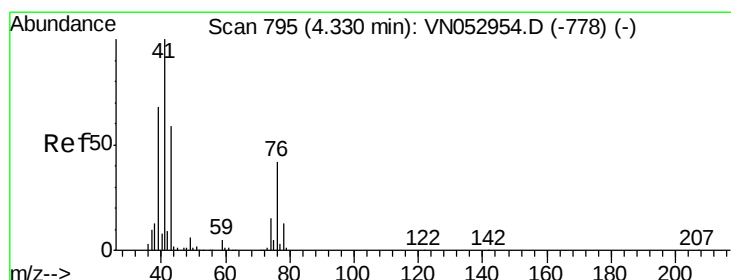
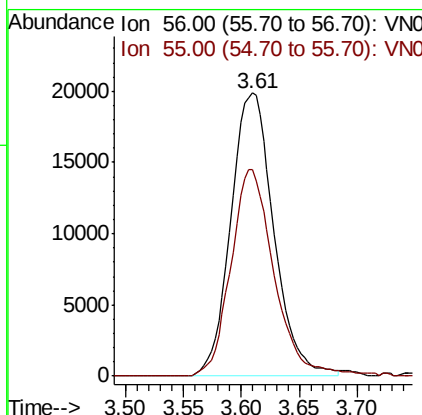
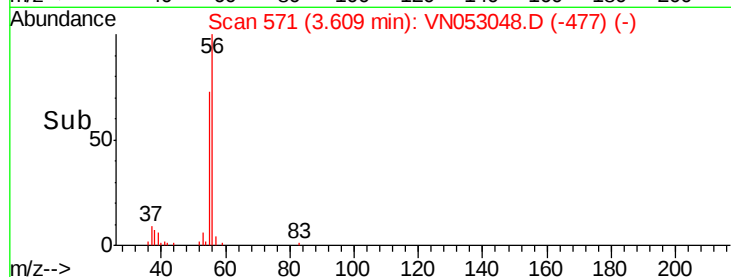
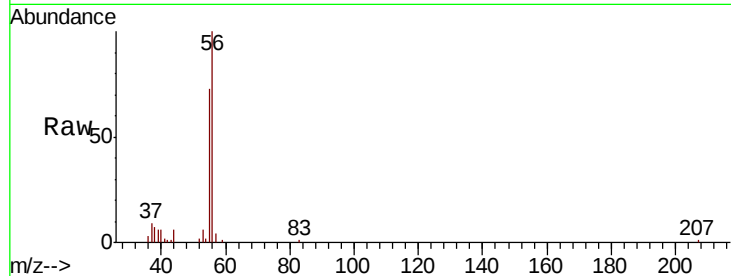
#13
Acrolein
Concen: 88.818 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.3	56.6	85.0

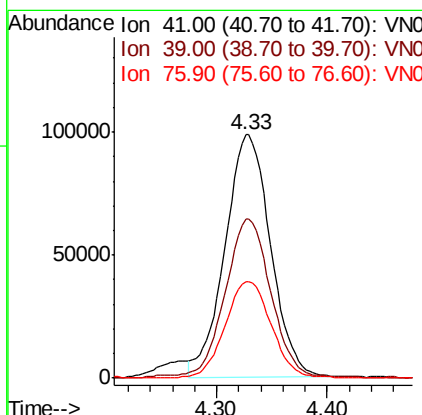
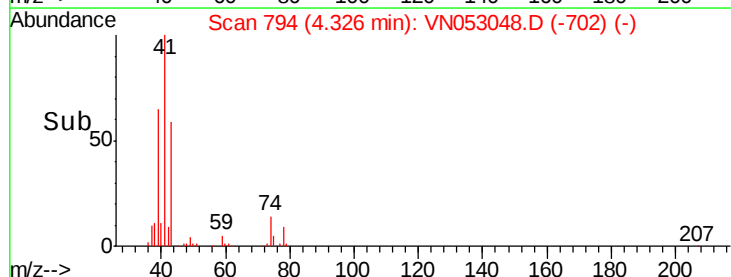
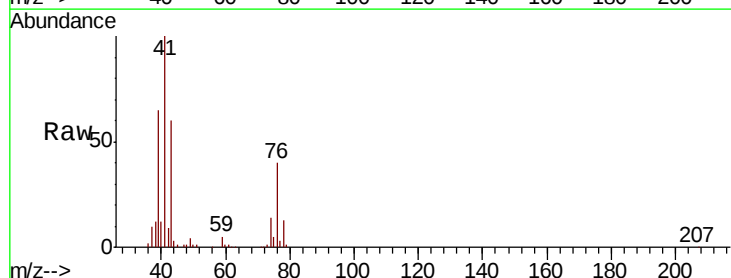
Manual Integrations
APPROVED

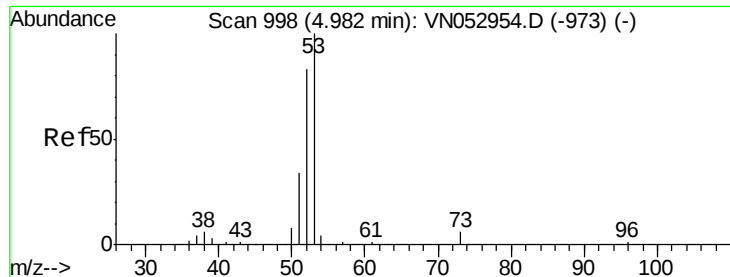
MMDadoda
12/21/2018 9:20:50 AM



#14
Allyl chloride
Concen: 18.643 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.2	54.1	81.1
76	39.8	30.3	45.5





#15

Acrylonitrile

Concen: 95.761 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Instrument :

MSVOA_N

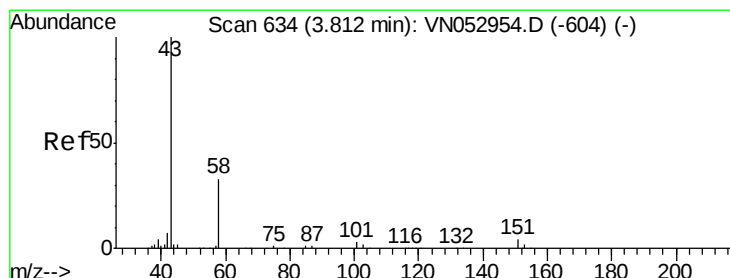
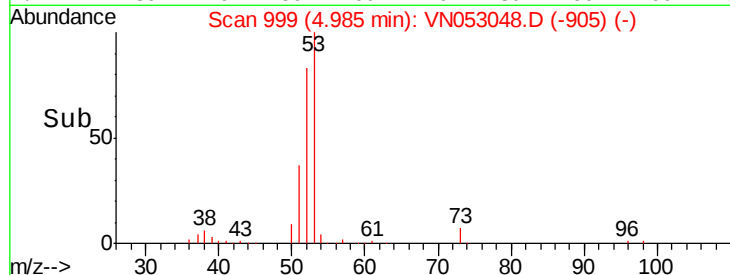
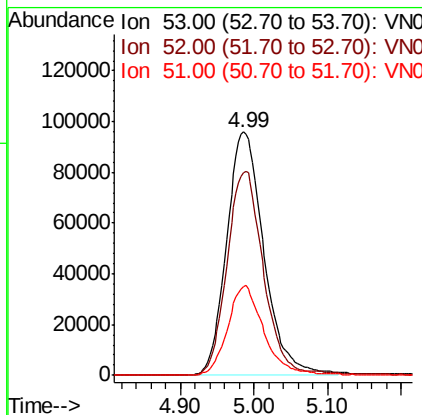
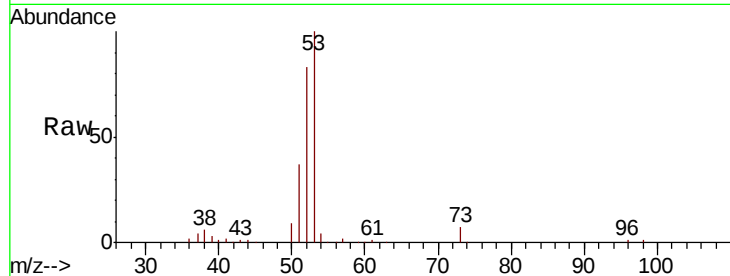
ClientSampleId :

VN1220WBS01

Tot Ion:	53	Resp:	337550
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.1	97.7
51	35.8	28.1	42.1

Manual Integrations
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12/21/2018 9:20:50 AM



#16

Acetone

Concen: 91.663 ug/l

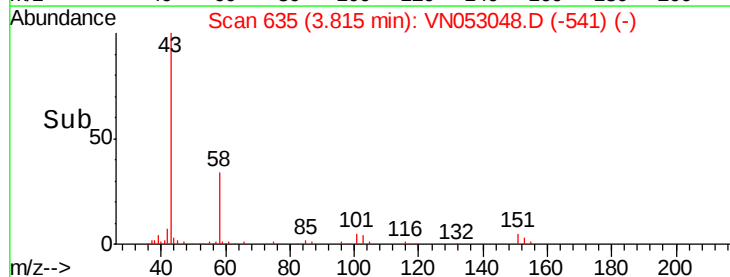
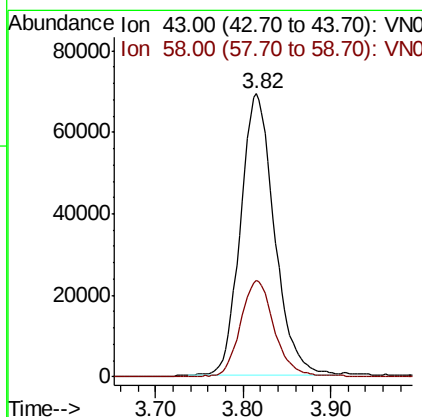
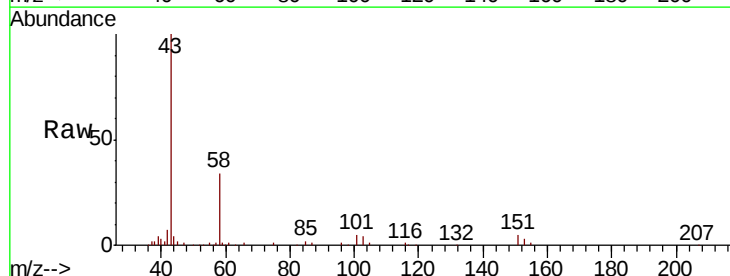
RT: 3.82 min Scan# 635

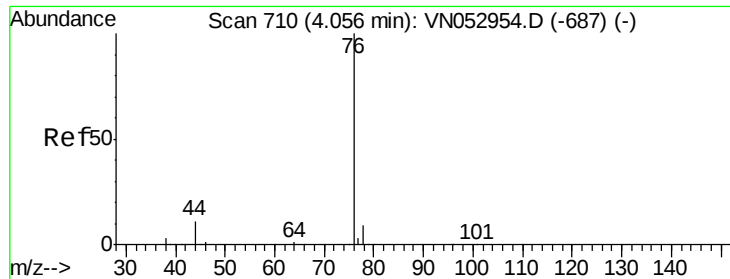
Delta R.T. 0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Tgt Ion:	43	Resp:	186889
Ion	Ratio	Lower	Upper
43	100		
58	34.3	25.4	38.0





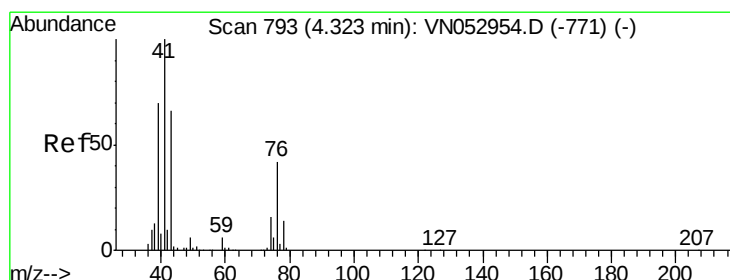
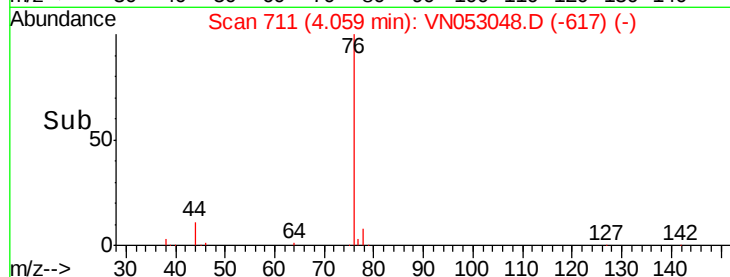
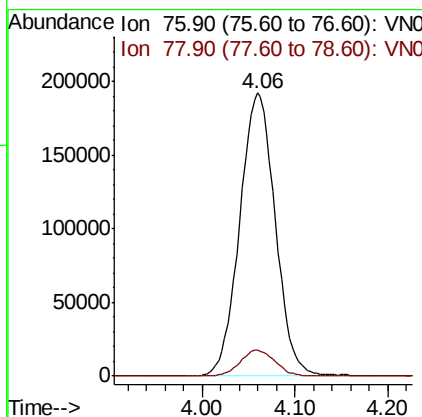
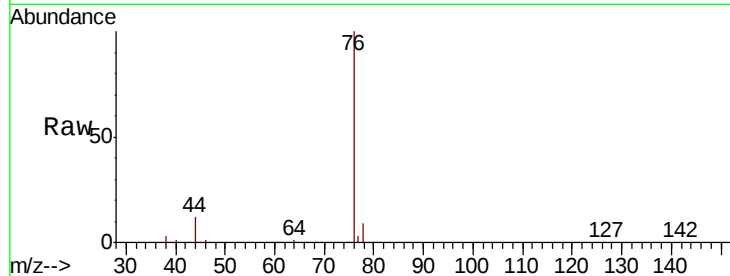
#17
Carbon Disulfide
Concen: 16.061 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

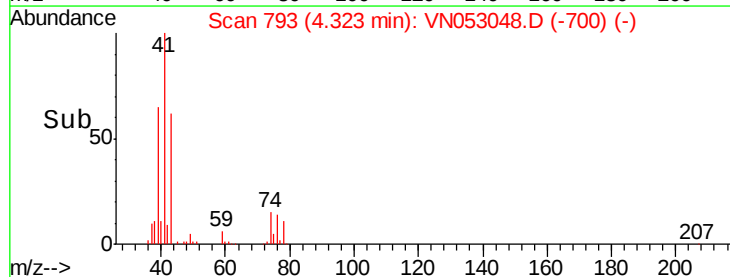
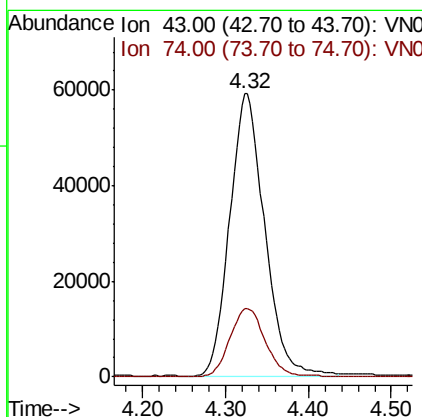
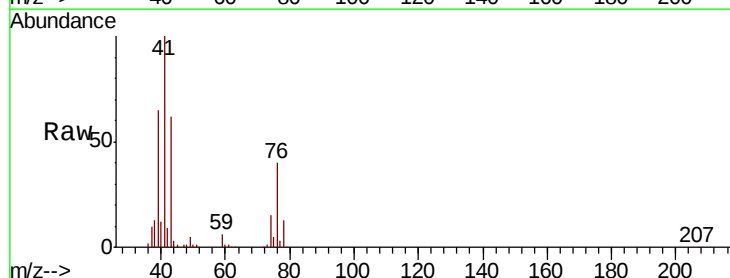
Manual Integrations
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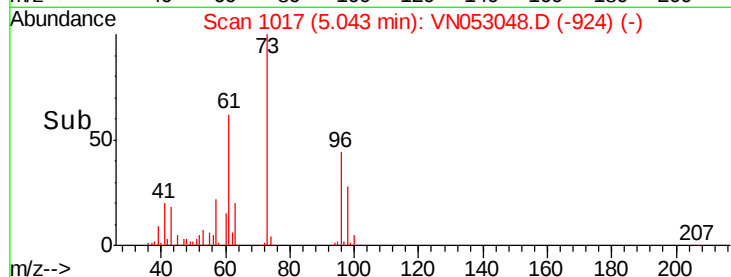
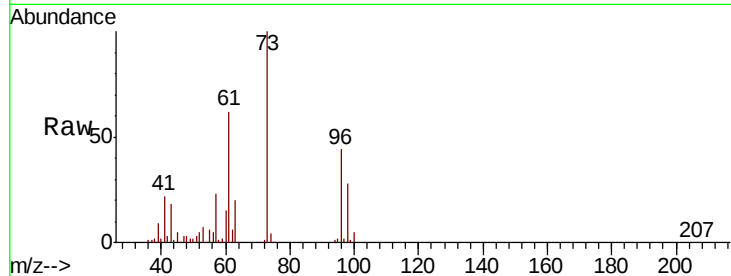
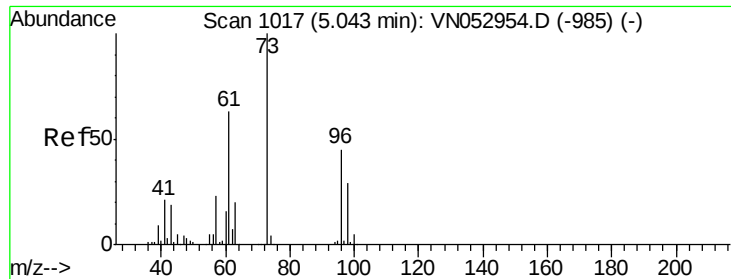
MMDadoda
12/21/2018 9:20:50 AM



#18
Methyl Acetate
Concen: 19.323 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.2	28.8





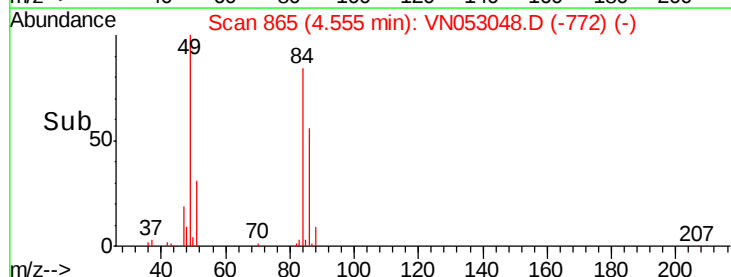
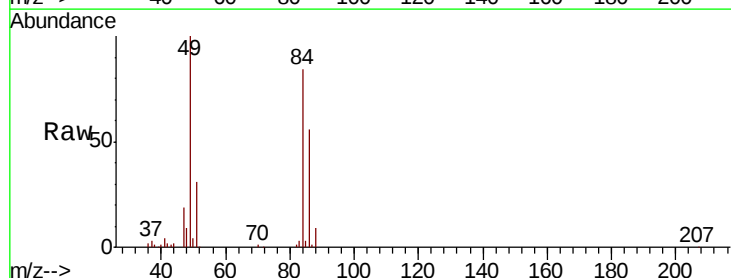
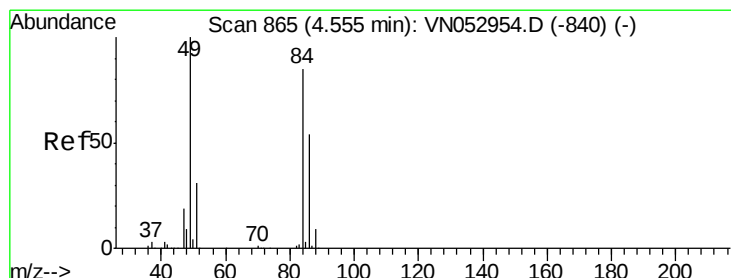
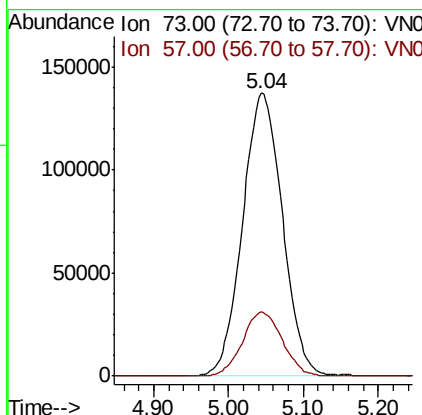
#19
Methvl tert-butvl Ether
Concen: 19.490 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tot Ion: 73 Resp: 509416
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

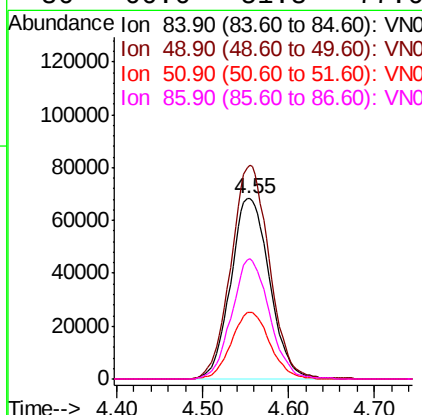
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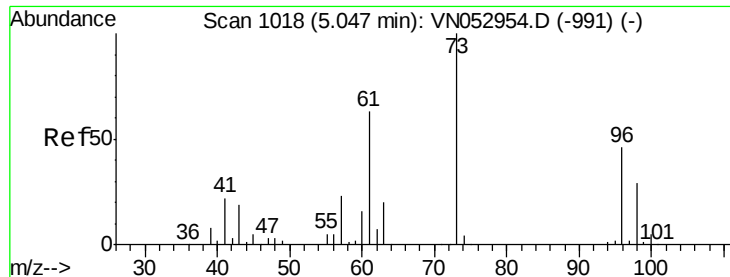
MMDadoda
12/21/2018 9:20:50 AM



#20
Methylene Chloride
Concen: 19.294 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tgt Ion: 84 Resp: 214584
Ion Ratio Lower Upper
84 100
49 118.3 96.8 145.2
51 37.3 29.9 44.9
86 66.6 51.8 77.6





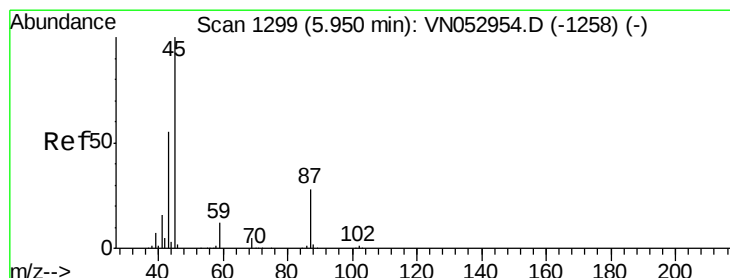
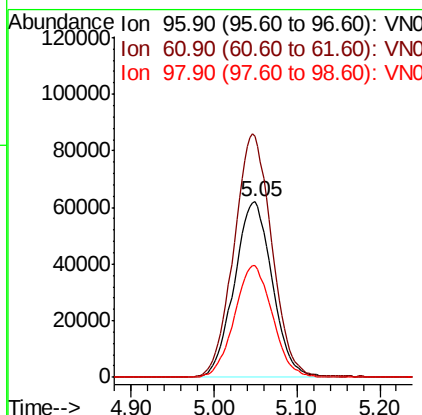
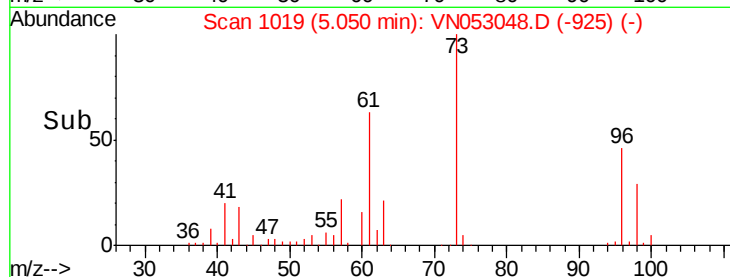
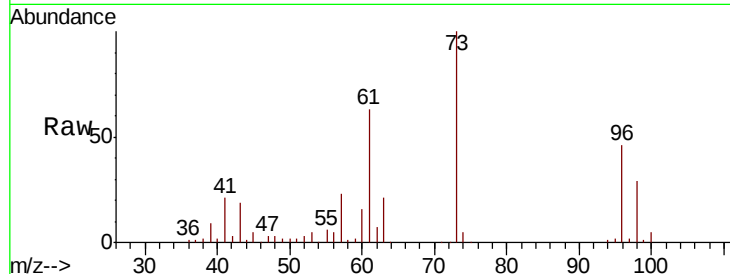
#21
trans-1,2-Dichloroethene
Concen: 18.842 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.7	110.8	166.2
98	63.5	51.4	77.2

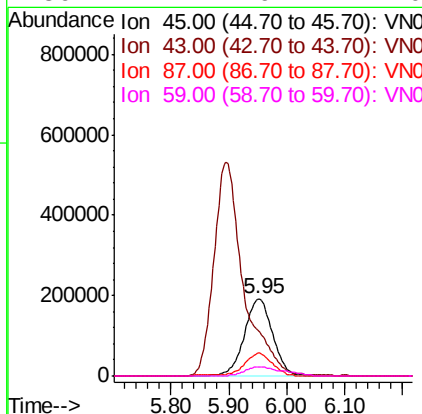
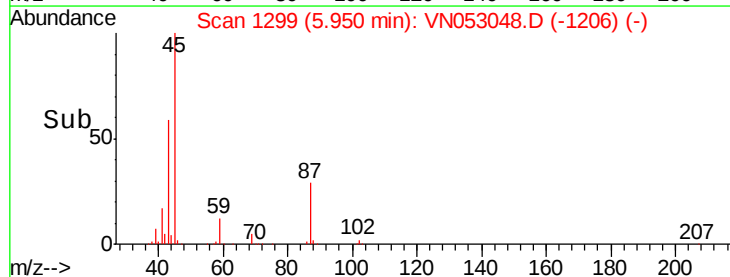
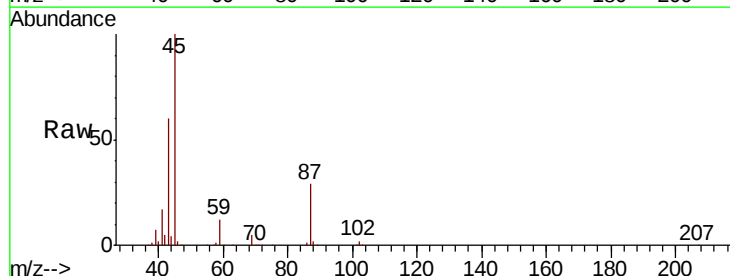
Manual Integrations
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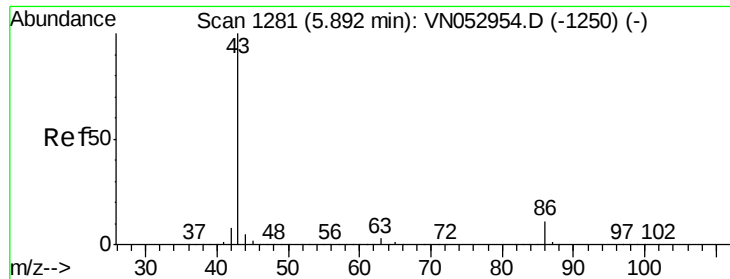
MMDadoda
12/21/2018 9:20:50 AM



#22
Diisopropyl ether
Concen: 20.127 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.9	45.5	68.3
87	29.1	22.0	33.0
59	12.1	9.4	14.0





#23

Vinyl Acetate

Concen: 101.810 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS01

Tot Ion: 43 Resp: 1890492

Ion Ratio Lower Upper

43 100

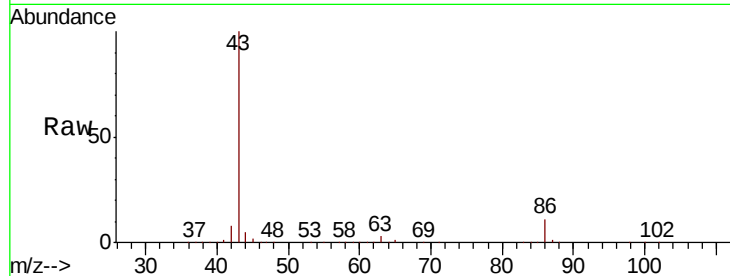
86 10.9 8.1 12.1

Manual Integrations

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12/21/2018 9:20:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1250) (-)

Ion 86.00 (85.70 to 86.70): VN052954.D (-1250) (-)

5.90

600000

500000

400000

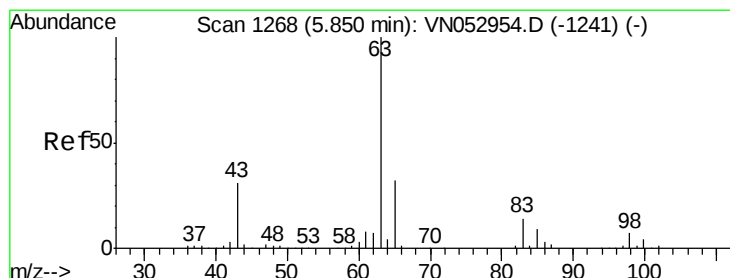
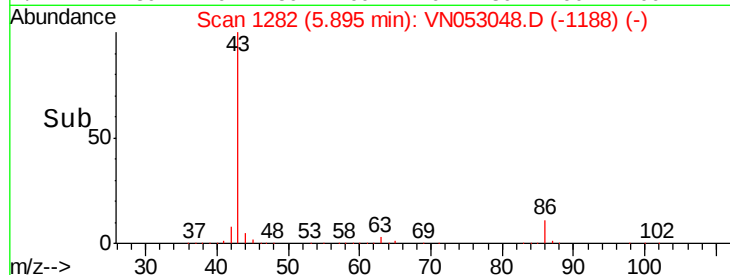
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.605 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

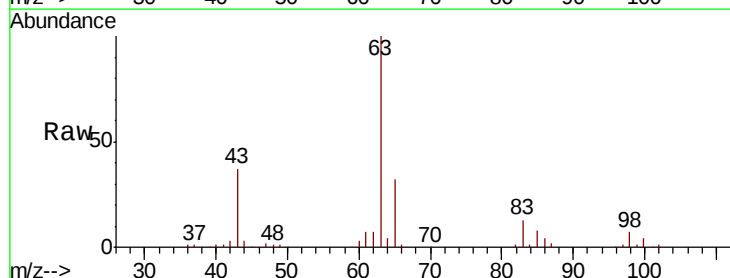
Tgt Ion: 63 Resp: 376192

Ion Ratio Lower Upper

63 100

98 6.8 3.1 9.4

100 4.3 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052954.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN052954.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN052954.D (-1241) (-)

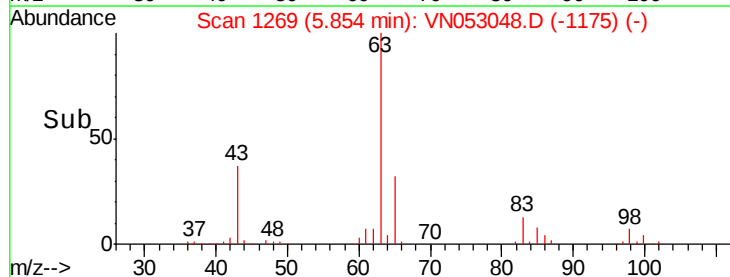
150000

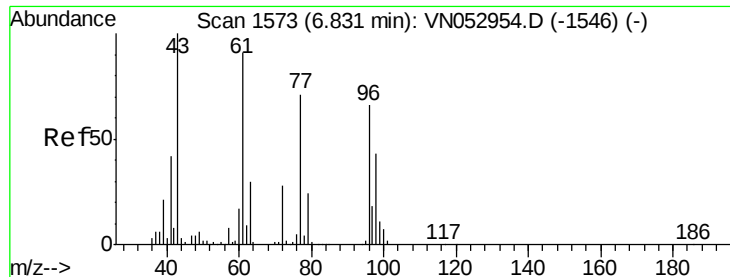
100000

50000

0

Time-->





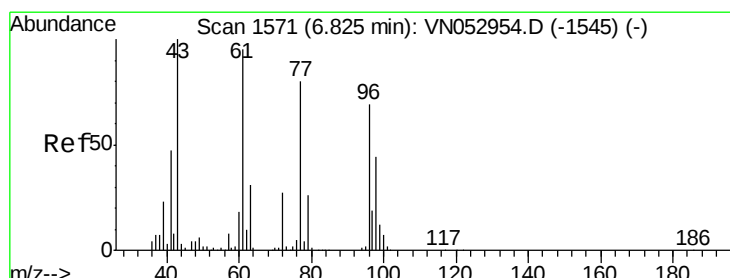
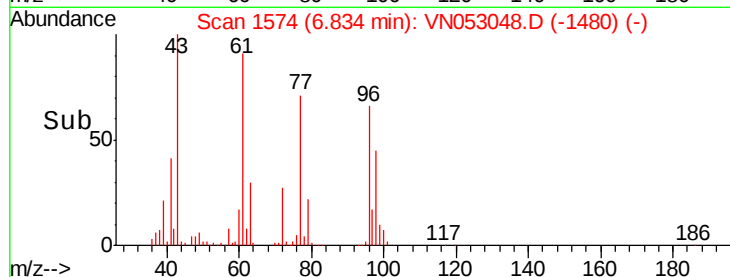
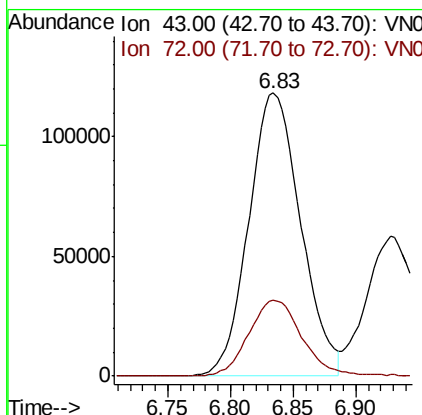
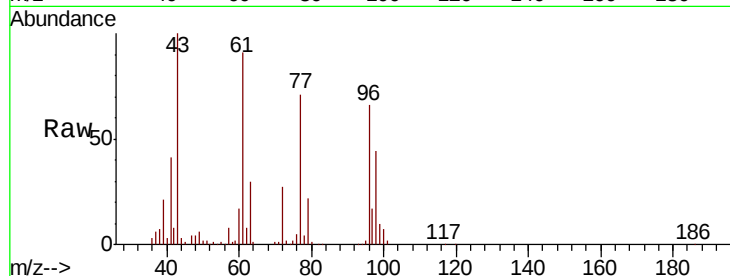
#25
2-Butanone
Concen: 99.040 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tot Ion: 43 Resp: 338890
Ion Ratio Lower Upper
43 100
72 26.7 21.0 31.6

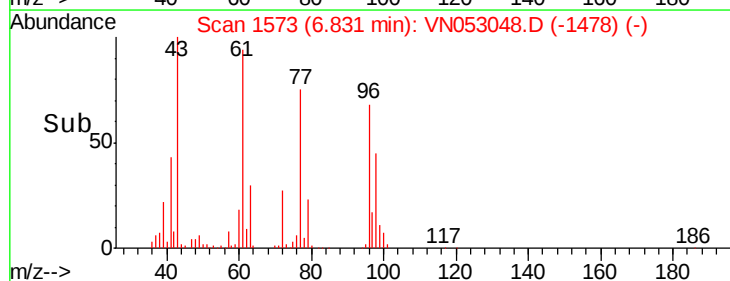
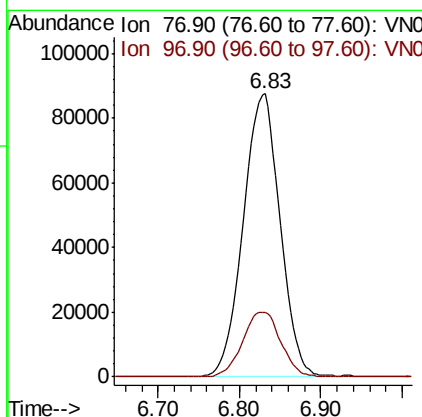
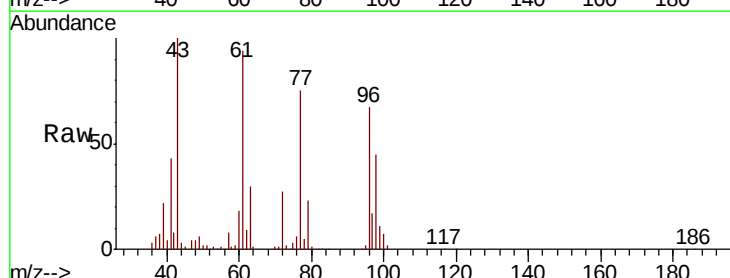
Manual Integrations
APPROVED

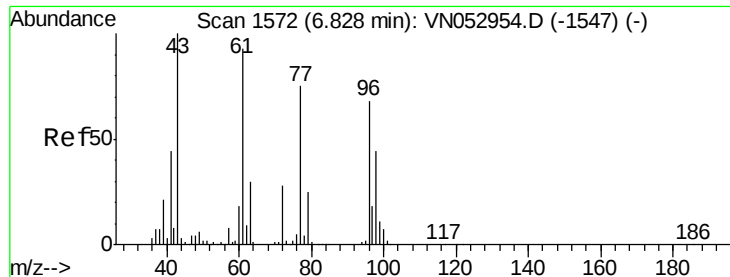
MMDadoda
12/21/2018 9:20:50 AM



#26
2,2-Dichloropropane
Concen: 18.674 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tgt Ion: 77 Resp: 273534
Ion Ratio Lower Upper
77 100
97 23.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 19.687 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Instrument :

MSVOA_N

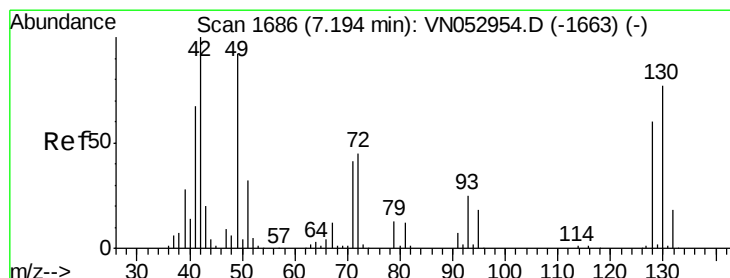
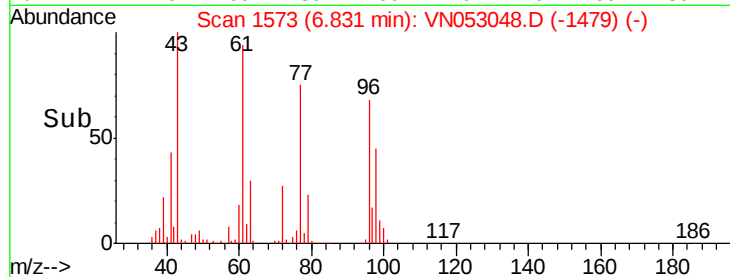
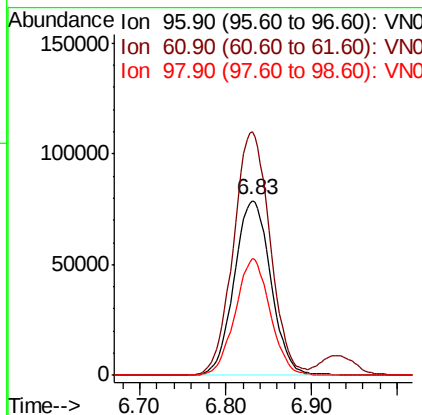
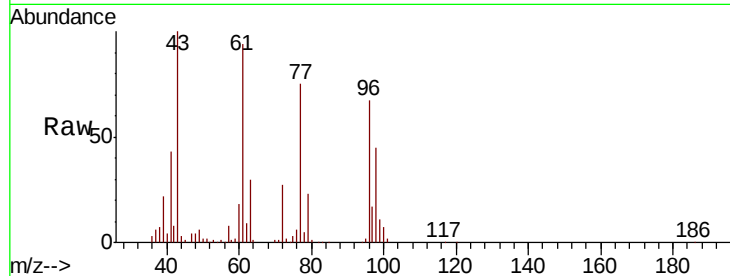
ClientSampleId :

VN1220WBS01

Tot Ion:	96	Resp:	233880
Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	284.2
98	63.7	0.0	129.2

Manual Integrations
APPROVED

MMDadoda
12/21/2018 9:20:50 AM



#28

Bromochloromethane

Concen: 19.658 ug/l

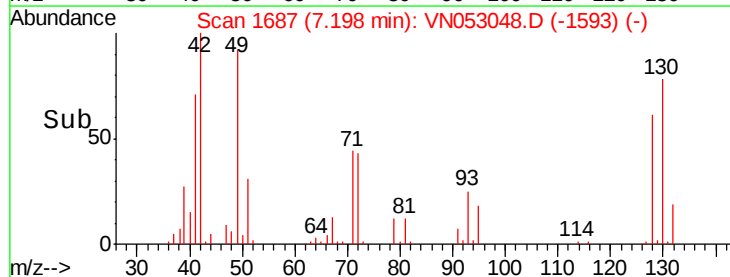
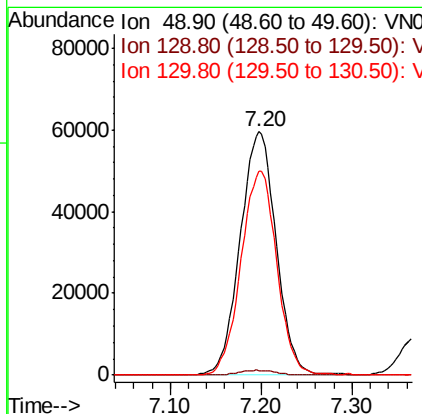
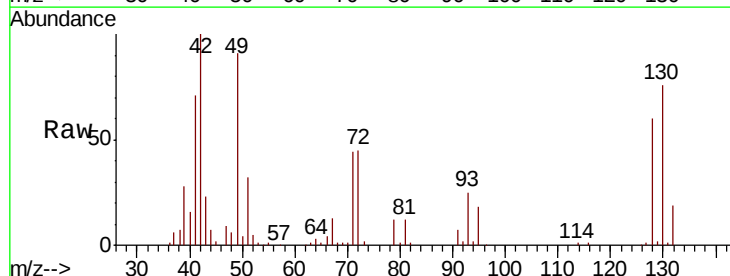
RT: 7.20 min Scan# 1687

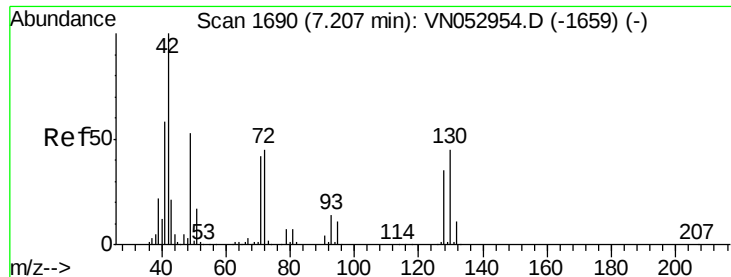
Delta R.T. 0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Tgt Ion:	49	Resp:	163451
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	83.4	63.3	94.9





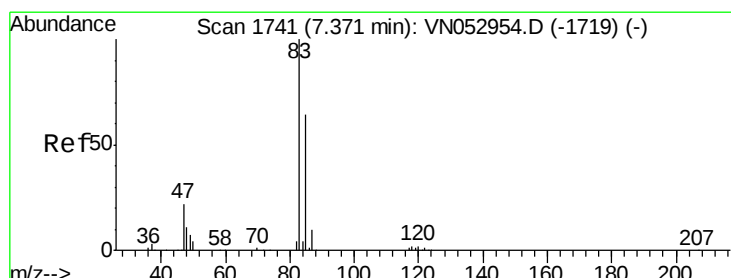
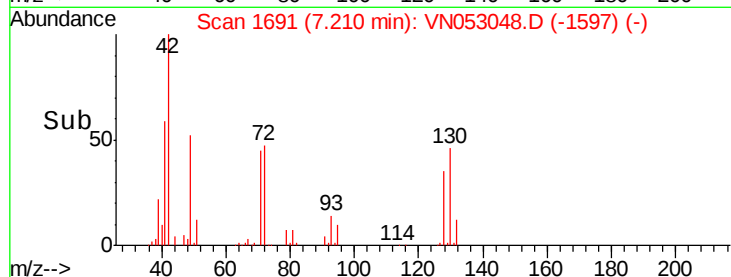
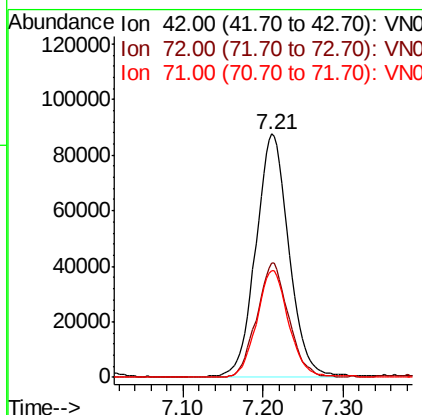
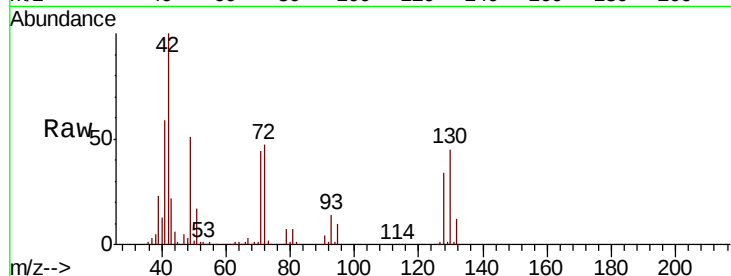
#29
Tetrahydrofuran
Concen: 97.578 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Instrument :
MSVOA_N
ClientSampled :
VN1220WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	34.7	52.1
71	42.1	32.3	48.5

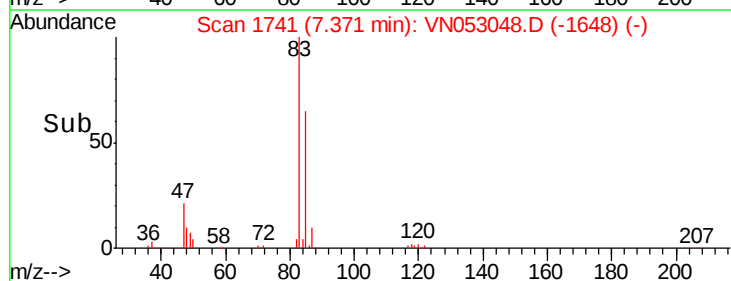
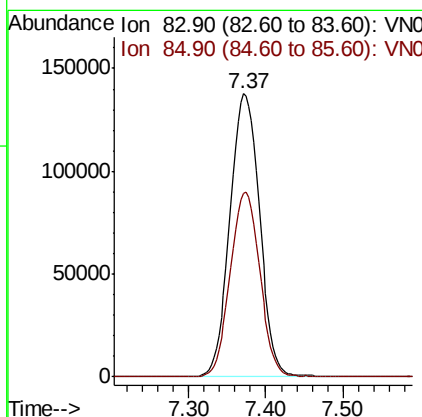
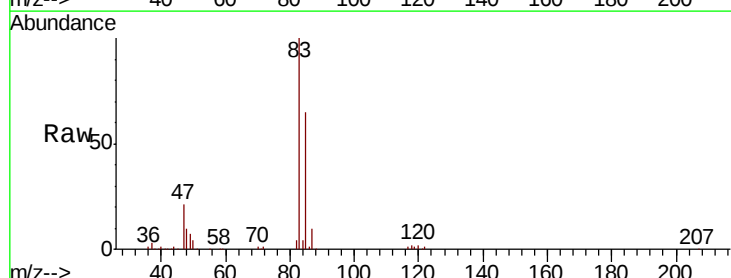
Manual Integrations
APPROVED

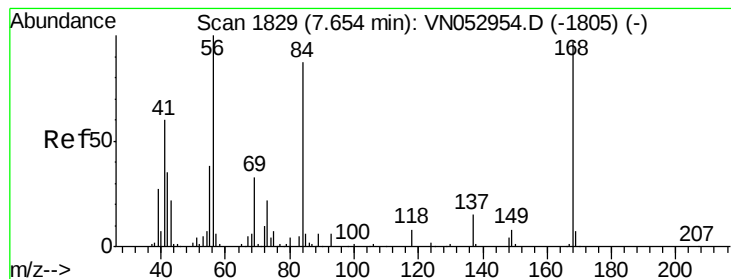
MMDadoda
12/21/2018 9:20:50 AM



#30
Chloroform
Concen: 19.471 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.1	78.1





#31

Cyclohexane

Concen: 19.535 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS01

Tot Ion: 56 Resp: 363099

Ion Ratio Lower Upper

56 100

69 36.2 26.6 39.8

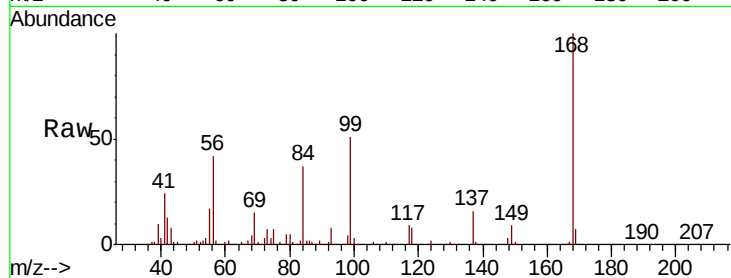
84 86.9 68.4 102.6

Manual Integrations

APPROVED

MMDadoda

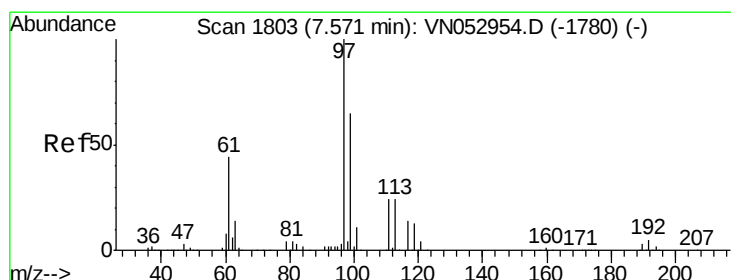
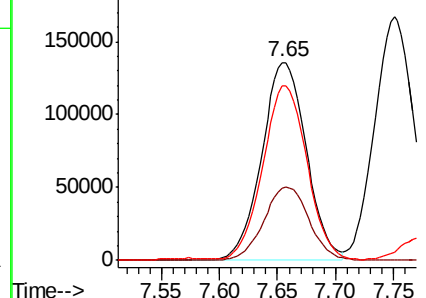
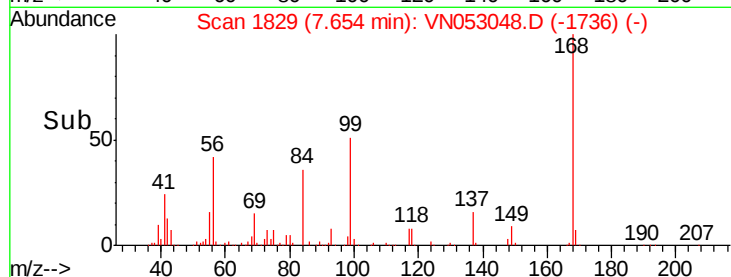
12/21/2018 9:20:50 AM



Abundance Ion 56.00 (55.70 to 56.70): VN053048.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053048.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053048.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 18.833 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

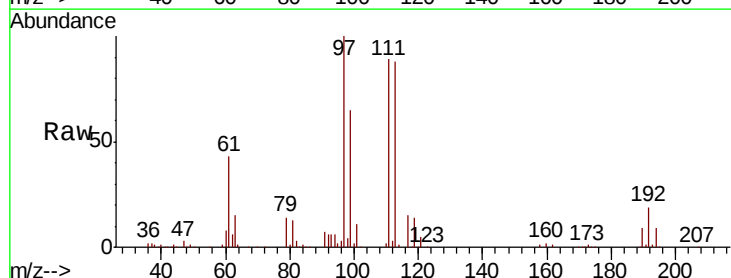
Tgt Ion: 97 Resp: 302410

Ion Ratio Lower Upper

97 100

99 64.8 51.1 76.7

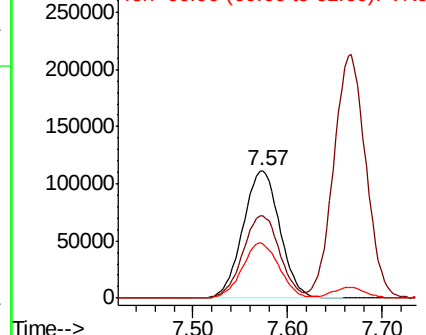
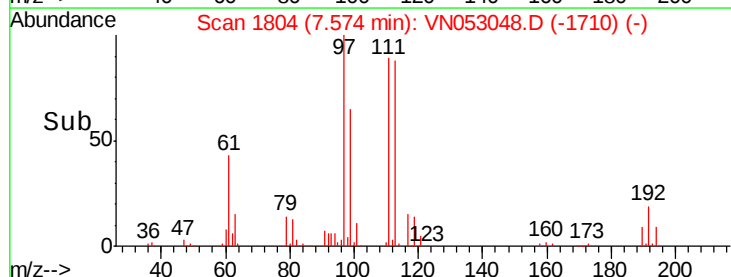
61 43.5 35.0 52.6

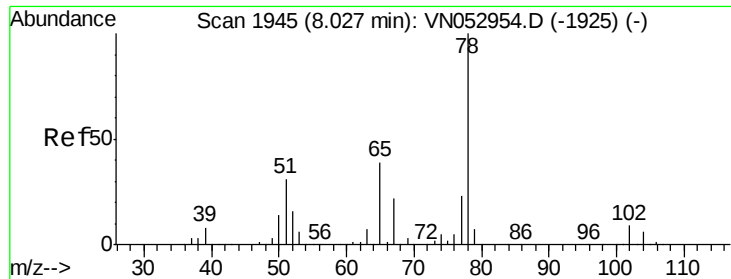


Abundance Ion 96.90 (96.60 to 97.60): VN053048.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053048.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053048.D (-1710) (-)





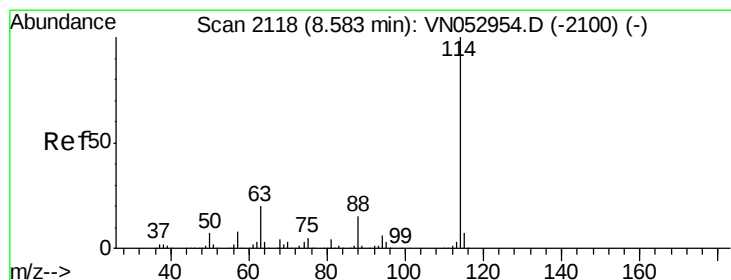
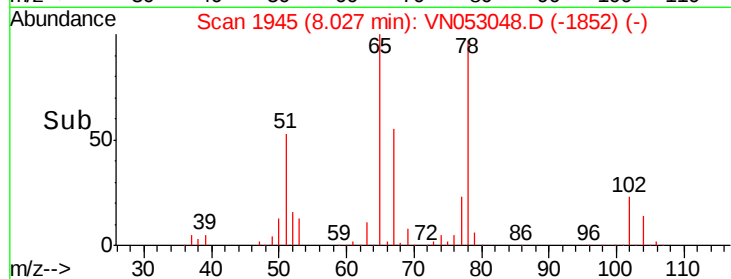
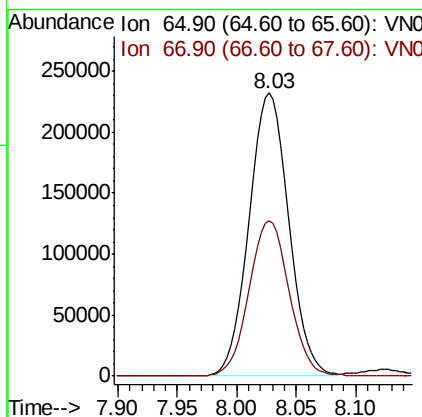
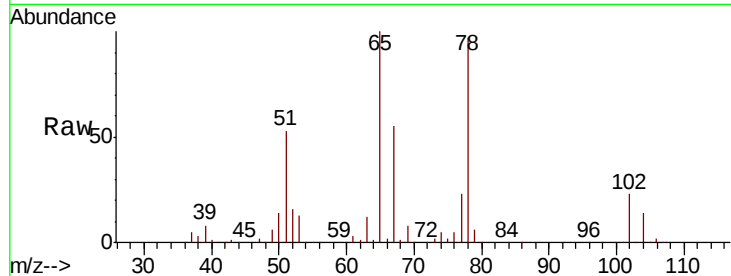
#33
 1,2-Dichloroethane-d4
 Concen: 18.833 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053048.D
 Acq: 20 Dec 2018 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.5	0.0	110.4	

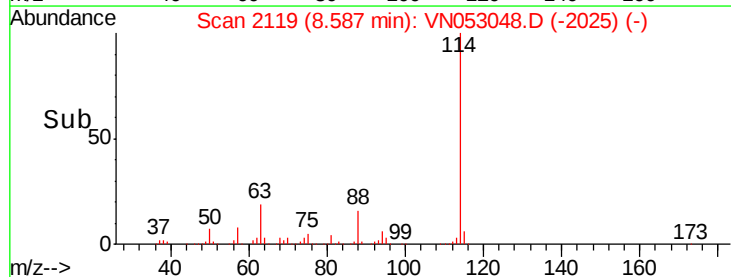
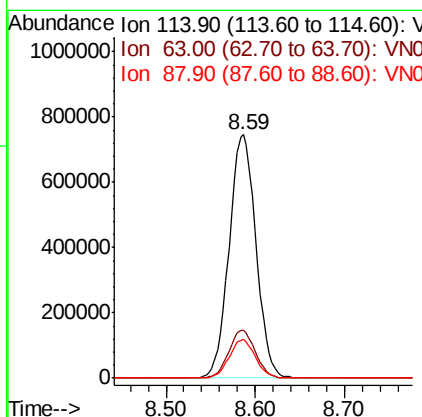
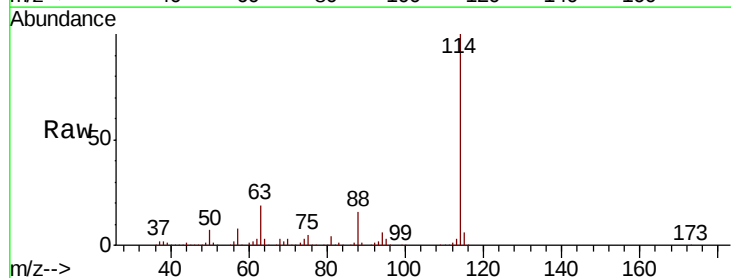
Manual Integrations
 APPROVED

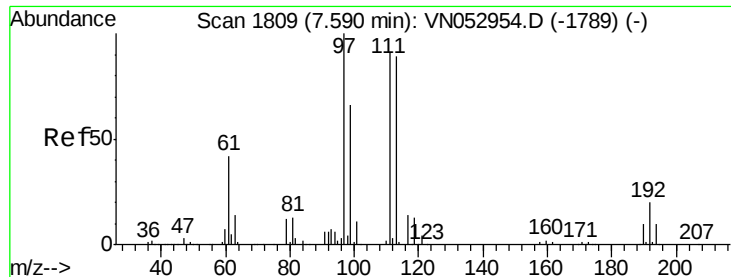
MMDadoda
 12/21/2018 9:20:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053048.D
 Acq: 20 Dec 2018 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	39.8	
88	15.7	0.0	31.0	





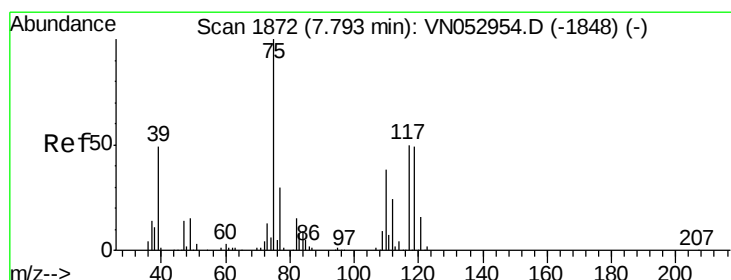
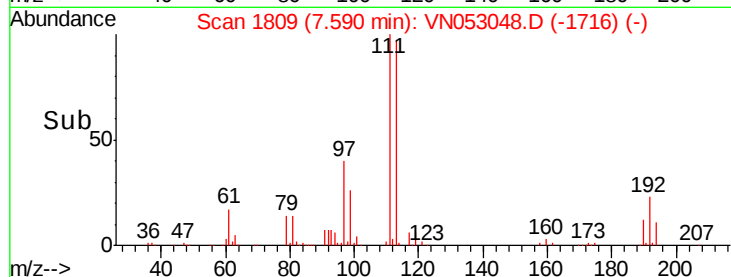
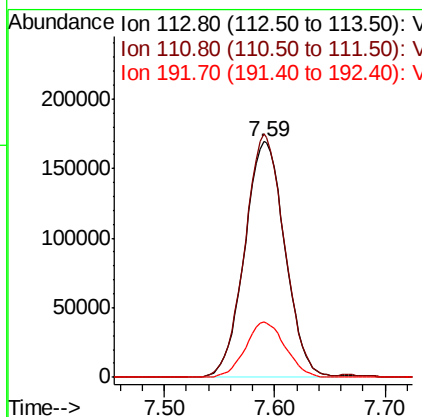
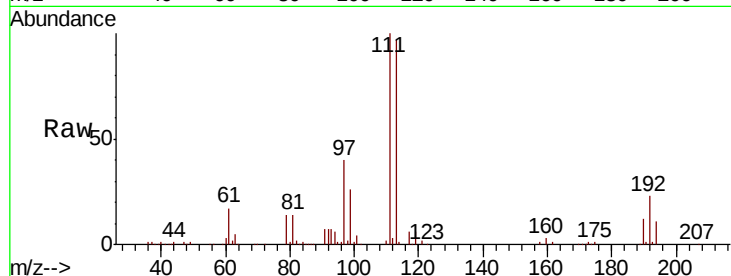
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	429652		
111	101.3	83.0	124.4	
192	23.0	17.5	26.3	

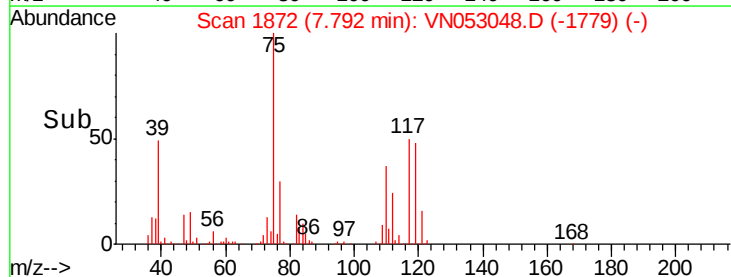
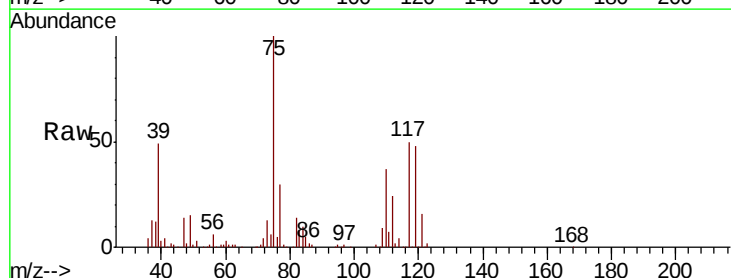
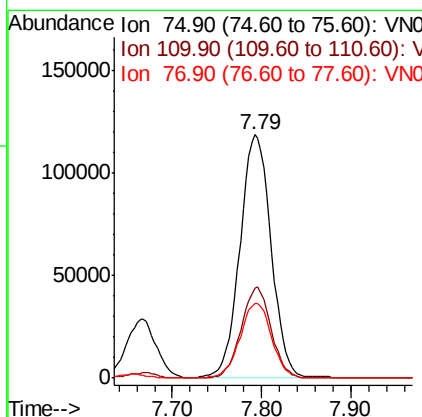
Manual Integrations
APPROVED

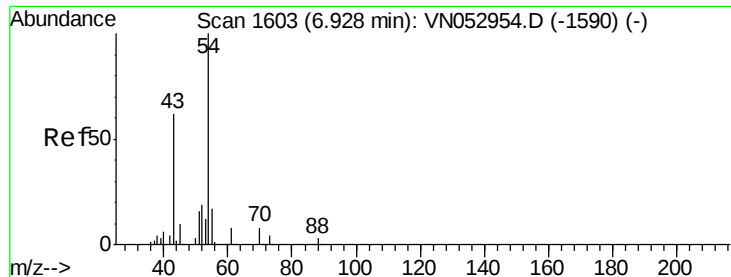
MMDadoda
12/21/2018 9:20:50 AM



#36
1,1-Dichloropropene
Concen: 19.266 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	287246		
110	36.0	18.2	54.6	
77	31.5	24.9	37.3	





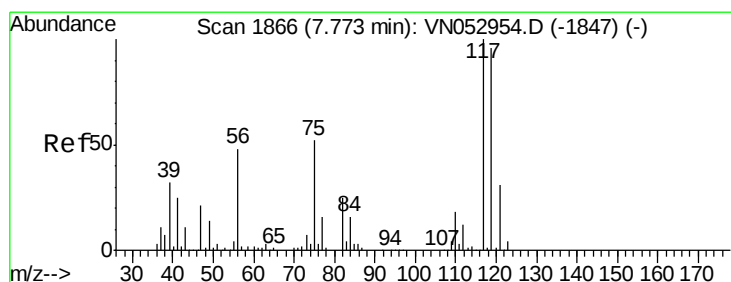
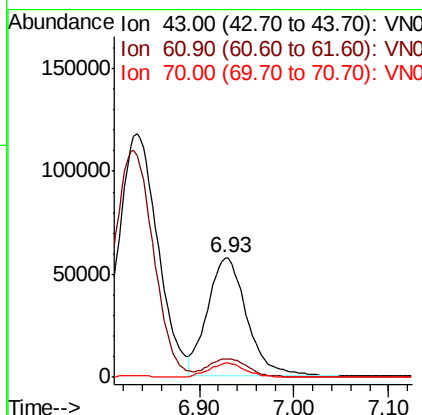
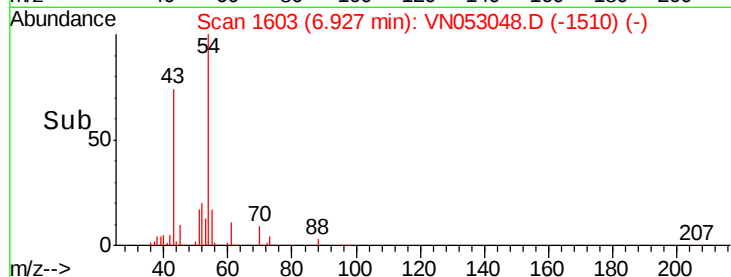
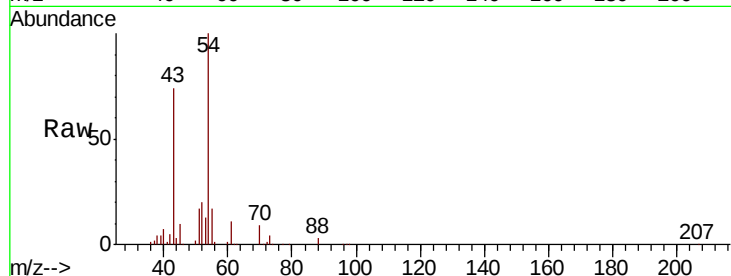
#37
Ethyl Acetate
Concen: 19.971 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.8	17.6
70	11.4	8.4	12.6

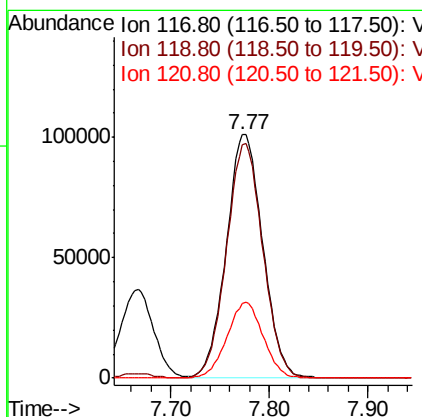
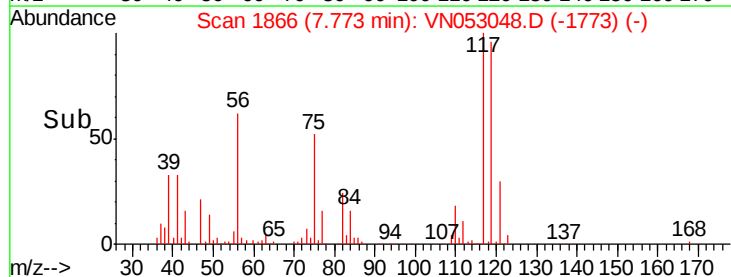
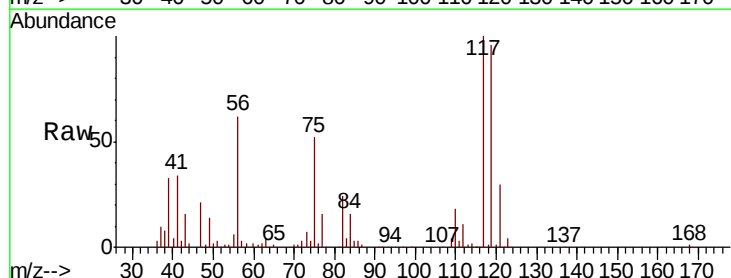
Manual Integrations
APPROVED

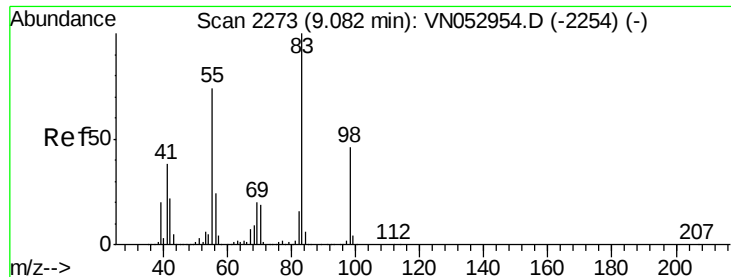
MMDadoda
12/21/2018 9:20:50 AM



#38
Carbon Tetrachloride
Concen: 18.965 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.1	115.7
121	30.5	24.9	37.3





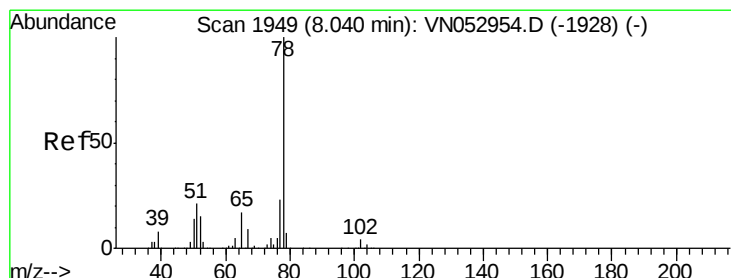
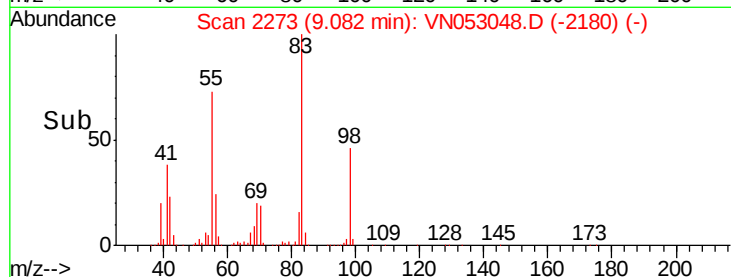
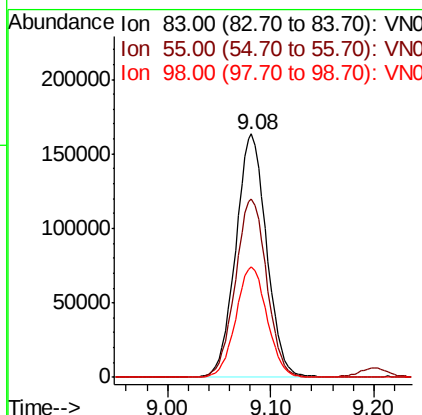
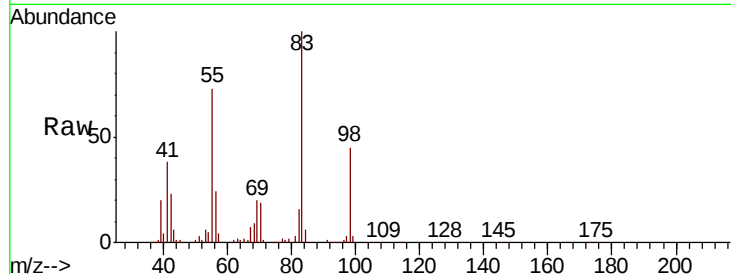
#39
Methvlcvclohexane
Concen: 18.680 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	73.2	61.3	91.9	
98	45.5	37.0	55.4	

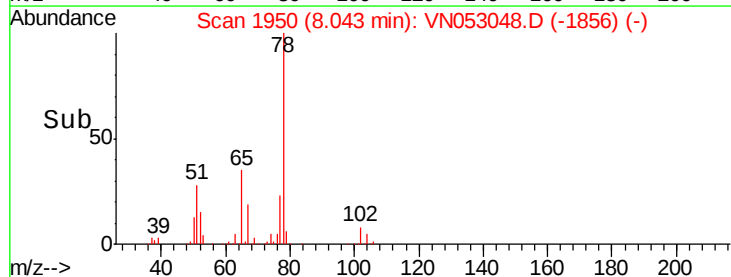
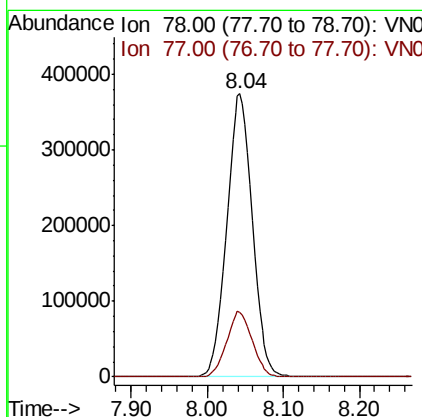
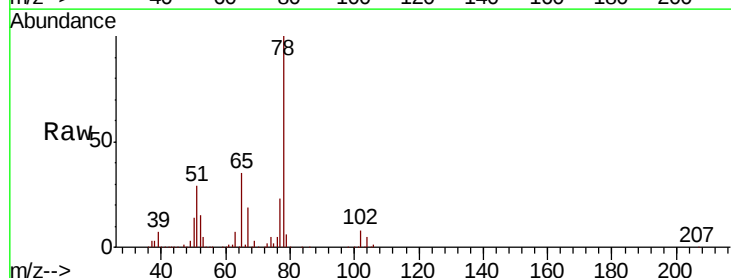
Manual Integrations
APPROVED

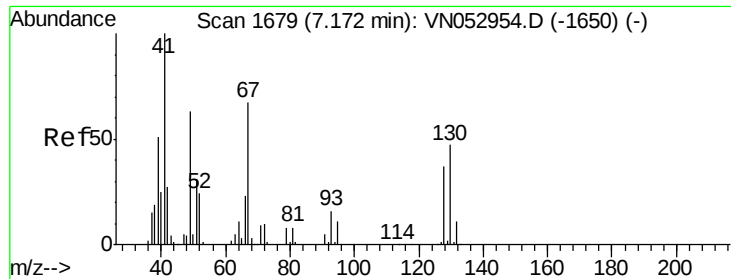
MMDadoda
12/21/2018 9:20:50 AM



#40
Benzene
Concen: 19.737 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.0	18.5	27.7	





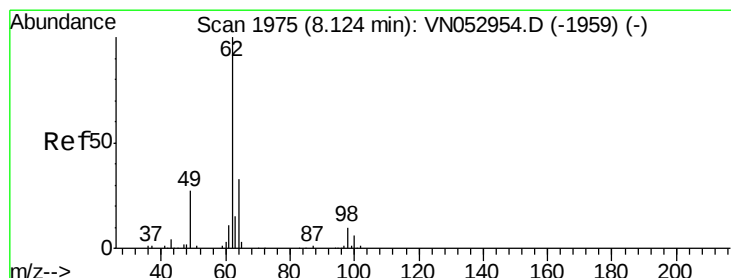
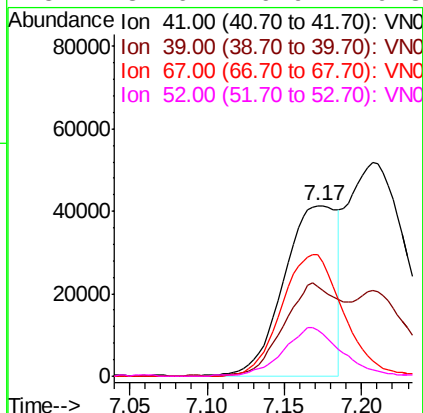
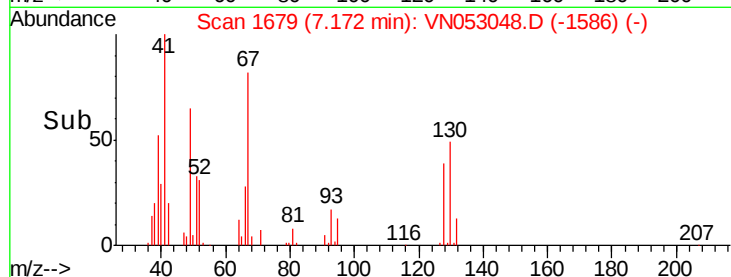
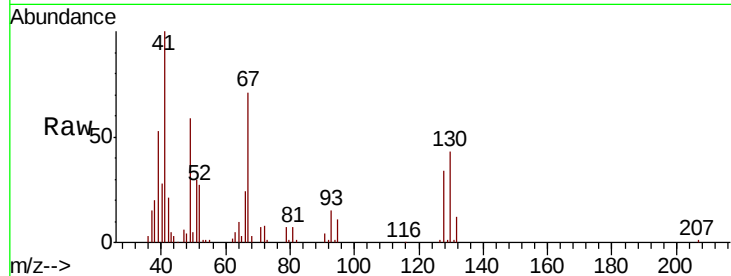
#41
Methacrylonitrile
Concen: 20.540 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tot Ion	41	Resp	98774
Ion	Ratio	Lower	Upper
41	100		
39	58.6	48.0	72.0
67	82.9	70.3	105.5
52	31.6	26.9	40.3

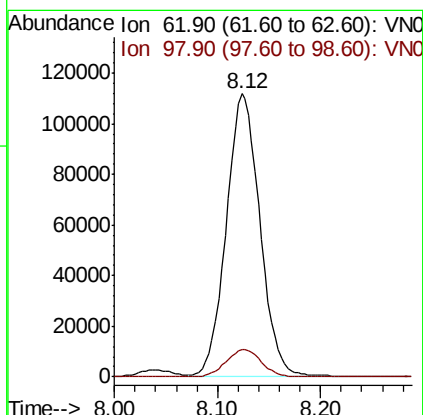
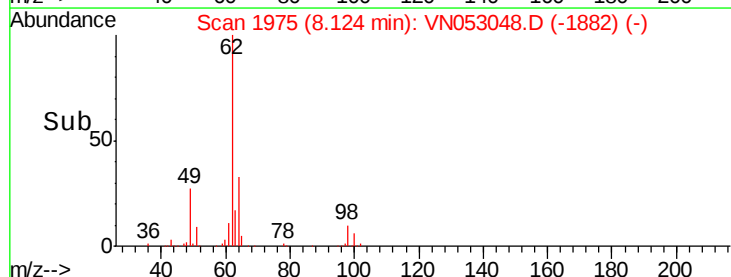
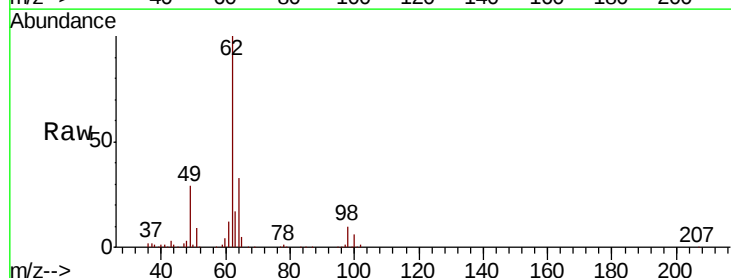
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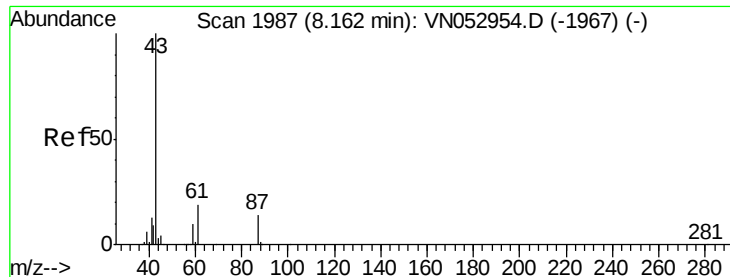
MMDadoda
12/21/2018 9:20:50 AM



#42
1,2-Dichloroethane
Concen: 19.278 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tgt Ion	62	Resp	252554
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.0





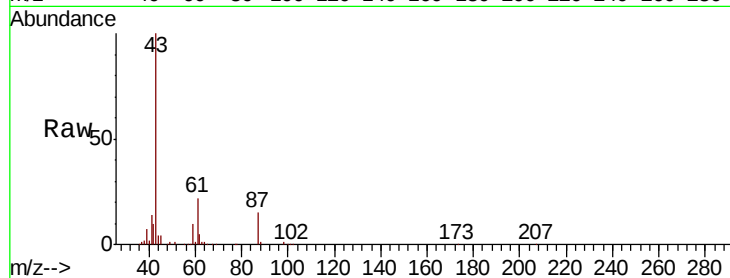
#43
Isopropyl Acetate
Concen: 19.252 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

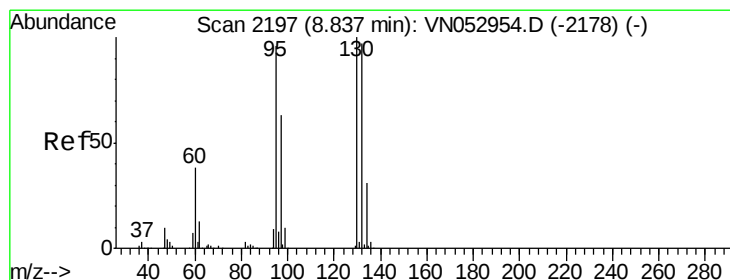
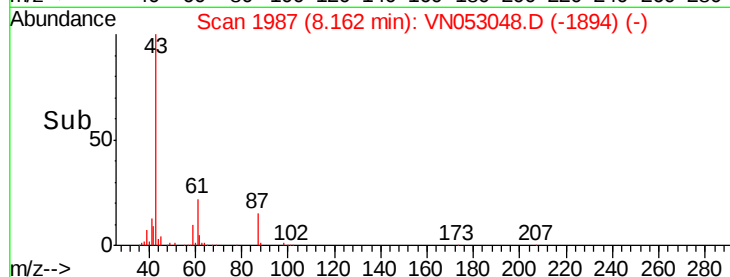
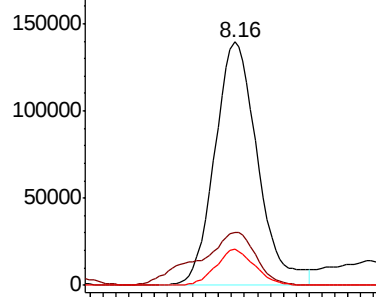
Tot Ion	Ratio	Lower	Upper
43	100		
61	28.8	22.9	34.3
87	13.4	10.6	15.8

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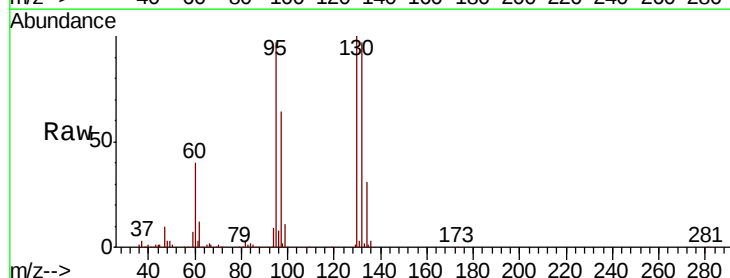


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)
Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)
Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

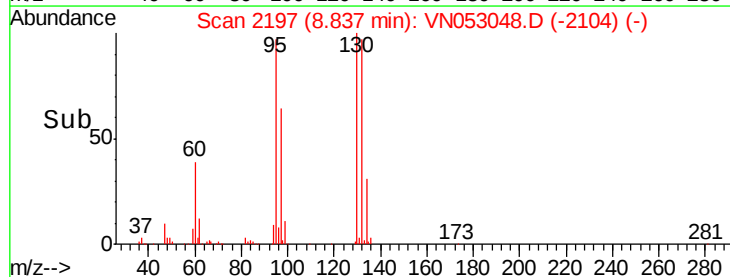
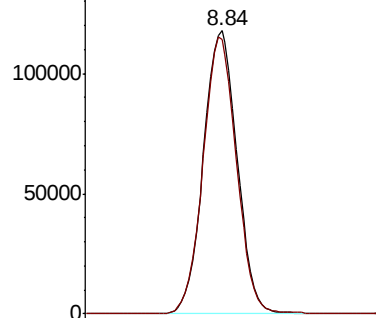


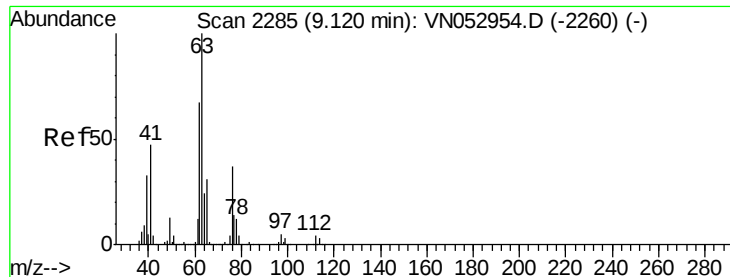
#44
Trichloroethene
Concen: 19.045 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)
Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)





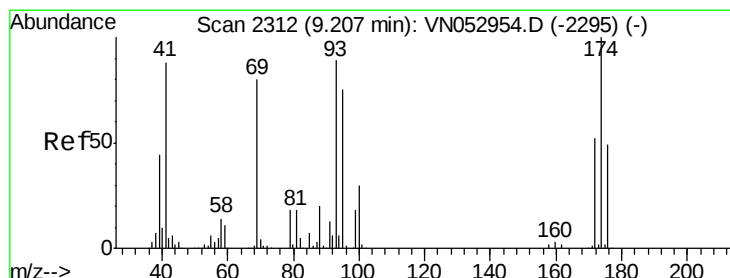
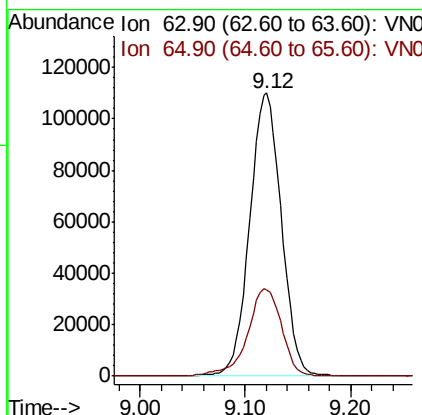
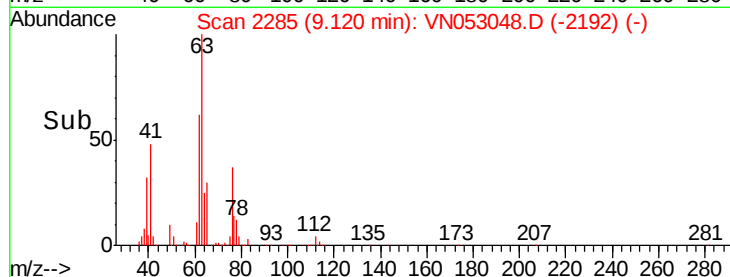
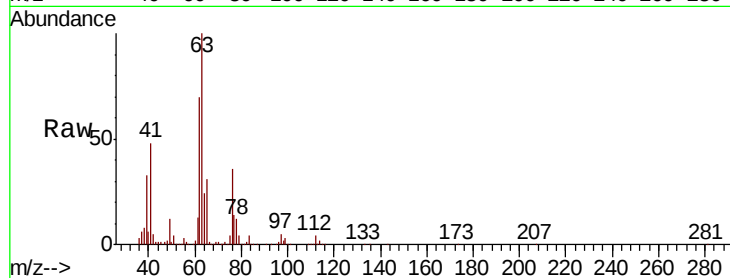
#45
 1,2-Dichloropropane
 Concen: 19.974 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053048.D
 Acq: 20 Dec 2018 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.6	37.0

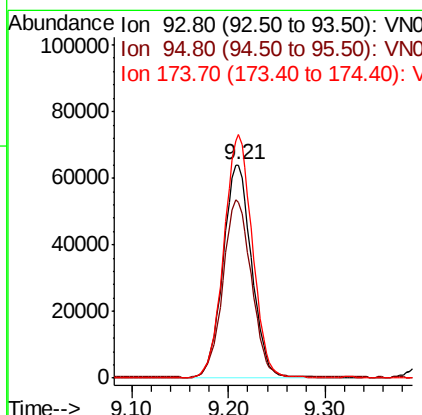
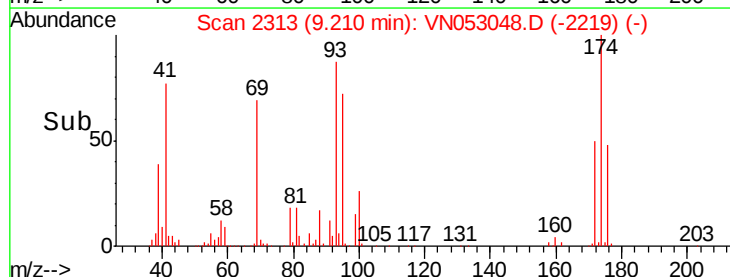
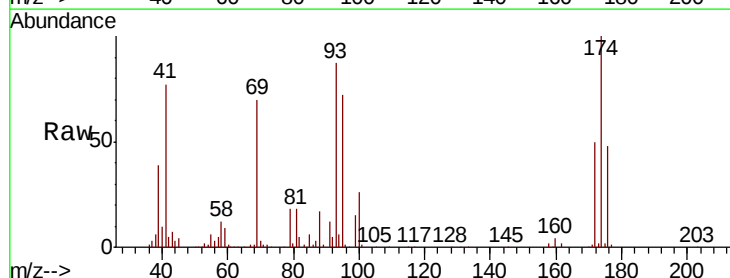
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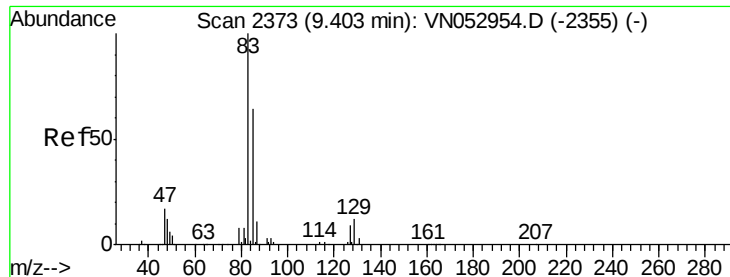
MMDadoda
 12/21/2018 9:20:50 AM



#46
 Dibromomethane
 Concen: 19.601 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053048.D
 Acq: 20 Dec 2018 11:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	67.8	101.6
174	113.5	89.0	133.4





#47

Bromodichloromethane

Concen: 19.250 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Instrument :

MSVOA_N

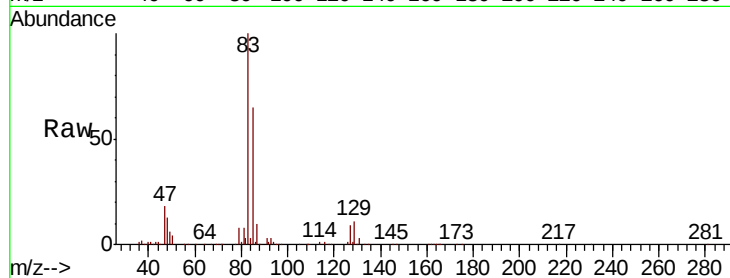
ClientSampleId :

VN1220WBS01

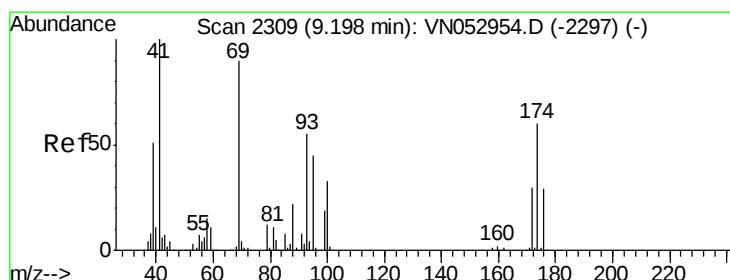
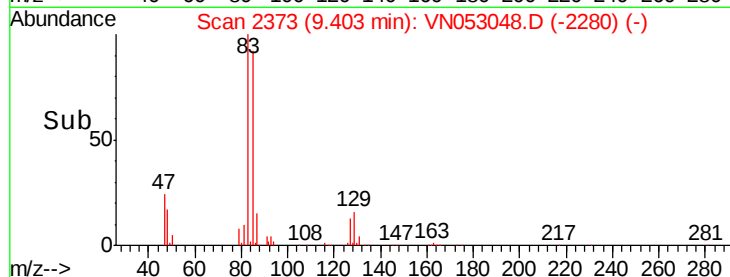
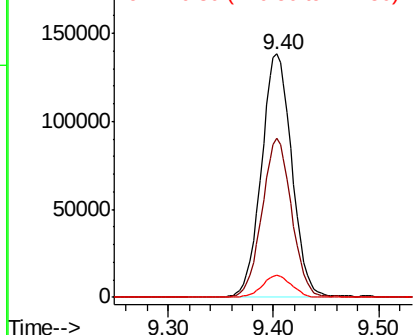
Tot Ion:	83	Resp:	275342
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.6	77.4
127	8.9	7.1	10.7

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MMDadoda
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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: 18.922 ug/l

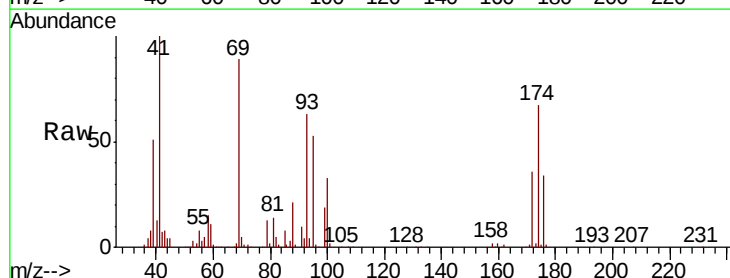
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

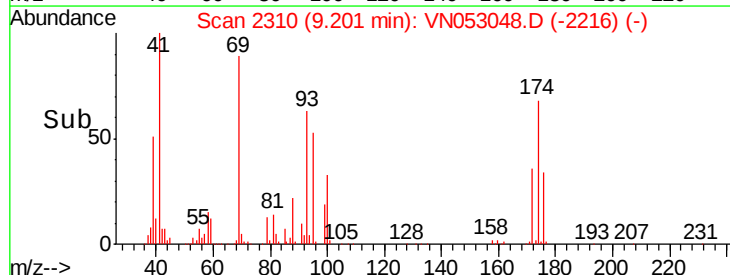
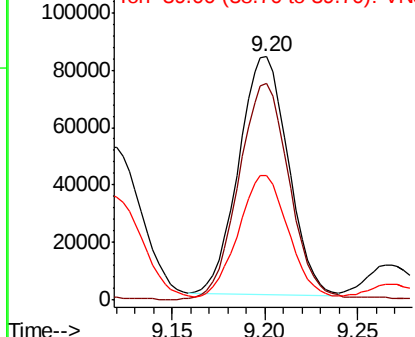
Lab File: VN053048.D

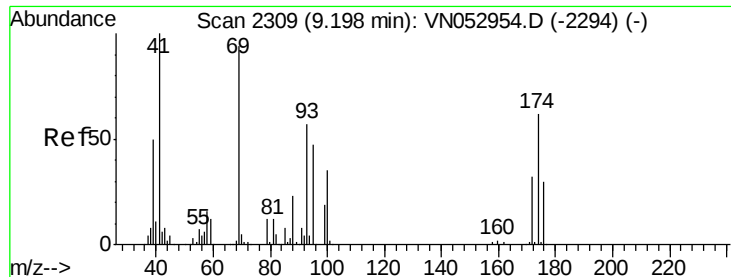
Acq: 20 Dec 2018 11:27

Tgt Ion:	41	Resp:	152819
Ion Ratio	Lower	Upper	
41	100		
69	93.0	72.2	108.2
39	53.7	41.9	62.9



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





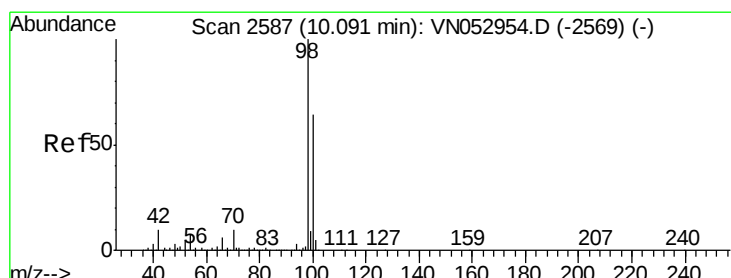
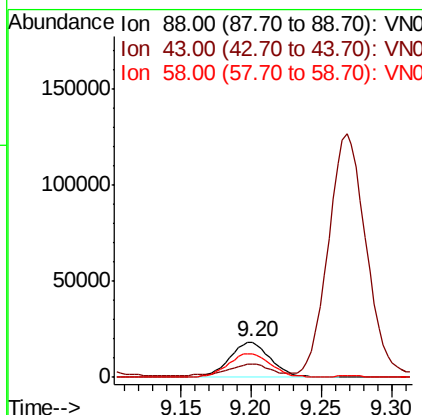
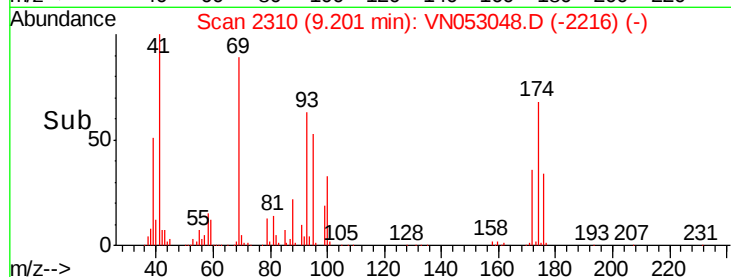
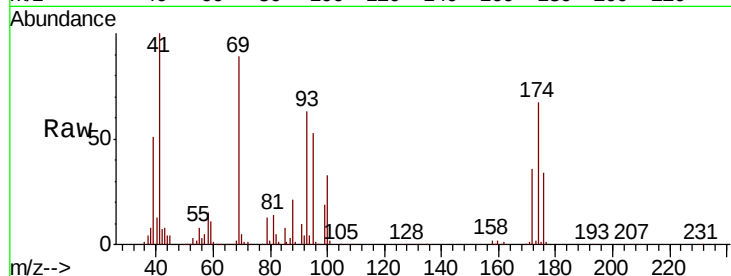
#49
1,4-Dioxane
Concen: 363.537 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tot Ion: 88 Resp: 37140
Ion Ratio Lower Upper
88 100
43 32.0 26.6 40.0
58 70.3 58.4 87.6

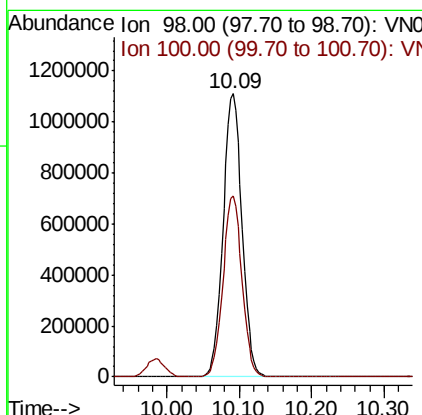
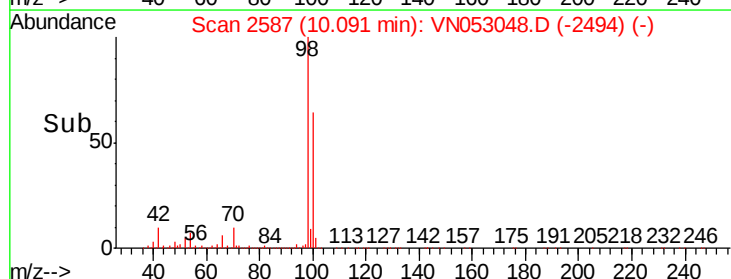
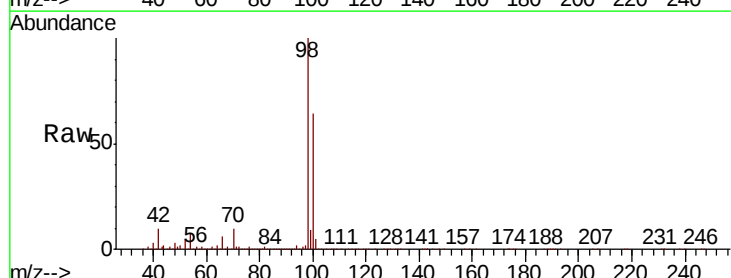
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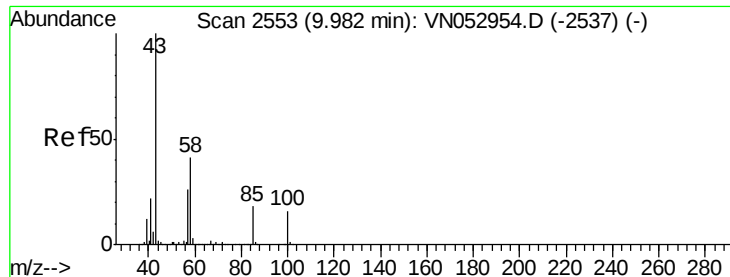
MMDadoda
12/21/2018 9:20:50 AM



#50
Toluene-d8
Concen: 363.537 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tgt Ion: 98 Resp: 1999658
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 101.659 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS01

Tot Ion: 43 Resp: 819388

Ion Ratio Lower Upper

43 100

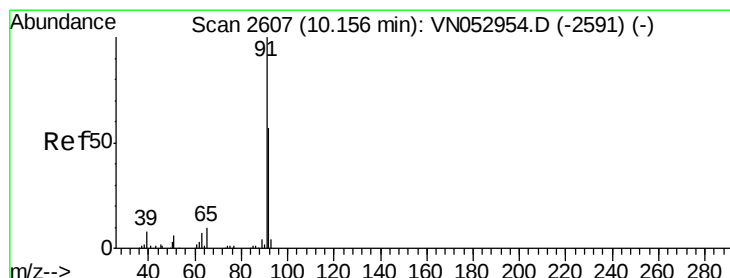
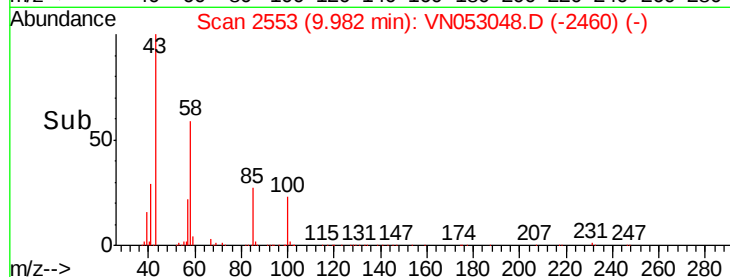
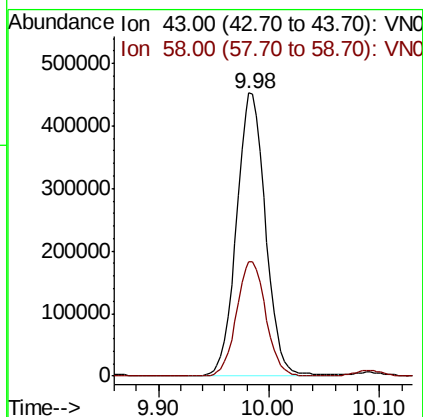
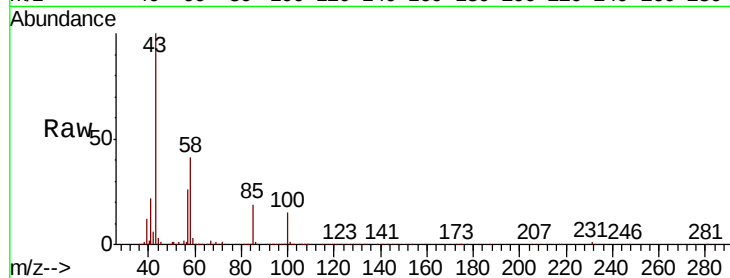
58 41.2 32.2 48.4

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#52

Toluene

Concen: 19.507 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053048.D

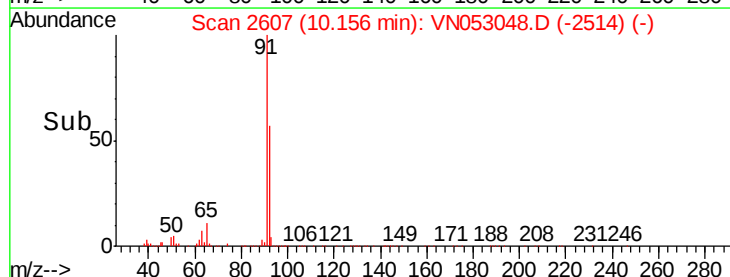
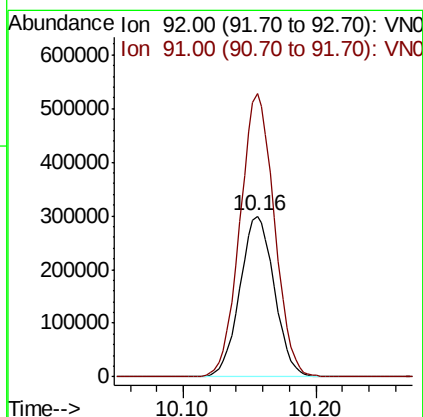
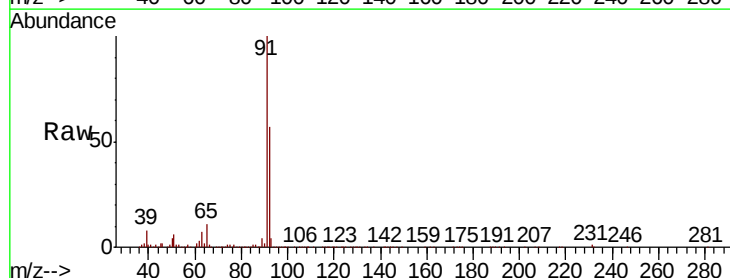
Acq: 20 Dec 2018 11:27

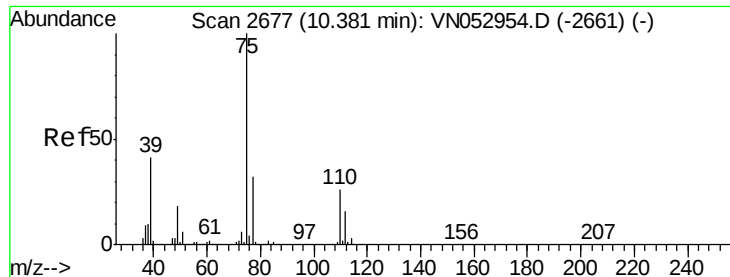
Tgt Ion: 92 Resp: 536192

Ion Ratio Lower Upper

92 100

91 175.6 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 18.363 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS01

Tot Ion: 75 Resp: 276191

Ion Ratio Lower Upper

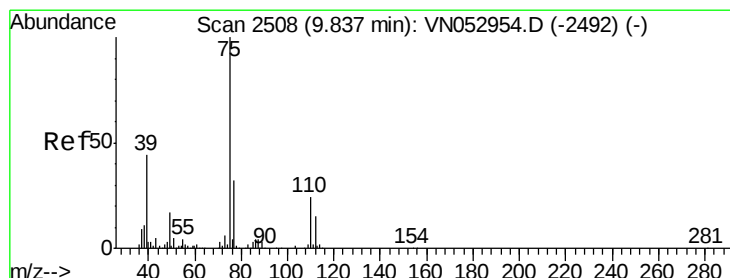
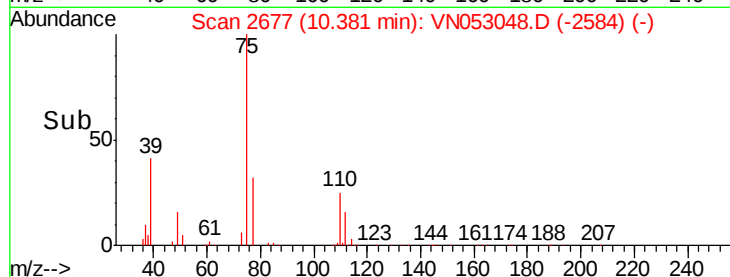
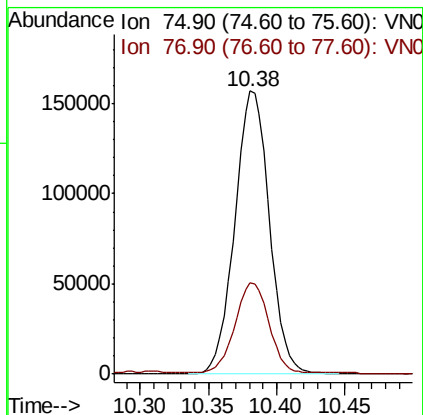
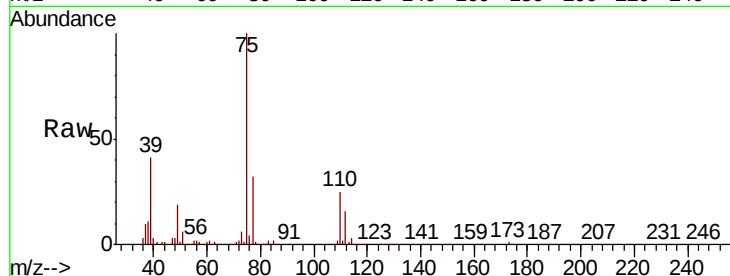
75 100

77 31.8 25.6 38.4

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#54

cis-1,3-Dichloropropene

Concen: 19.418 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

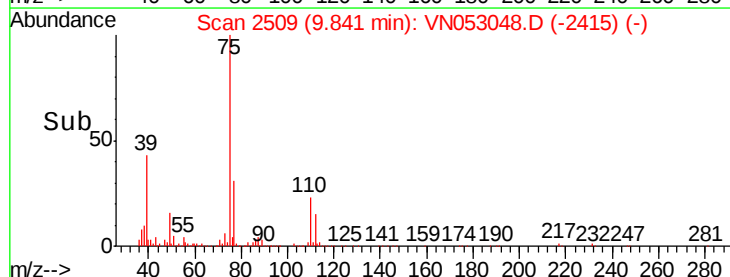
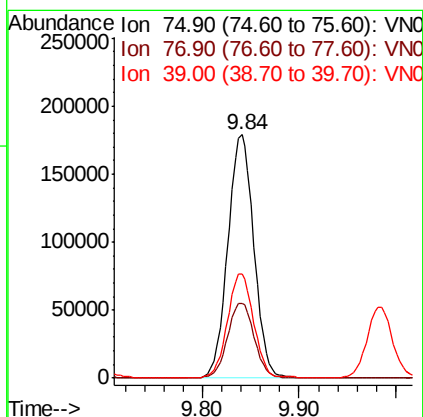
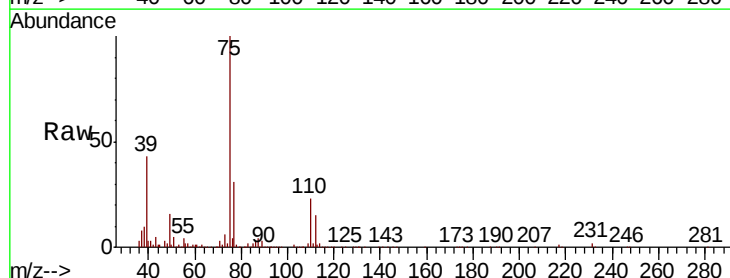
Tgt Ion: 75 Resp: 335235

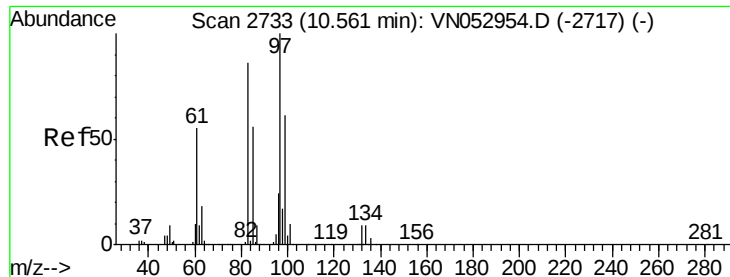
Ion Ratio Lower Upper

75 100

77 30.8 25.8 38.8

39 42.8 34.8 52.2





#55

1,1,2-Trichloroethane

Concen: 19.849 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Instrument :

MSVOA_N

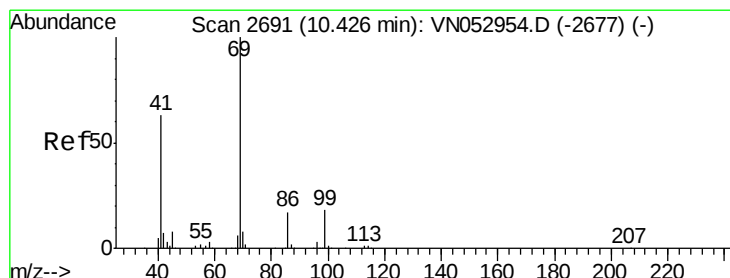
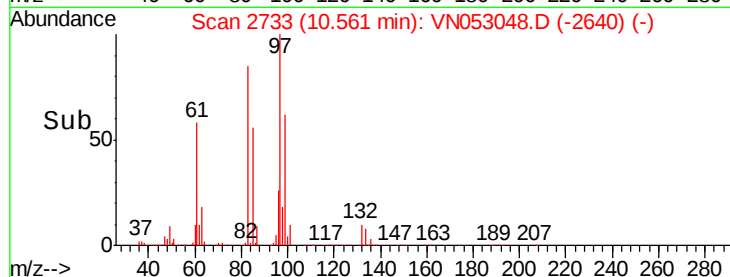
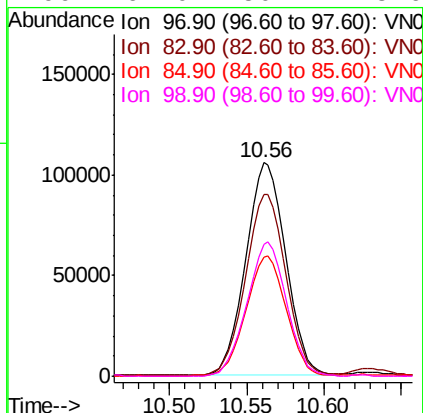
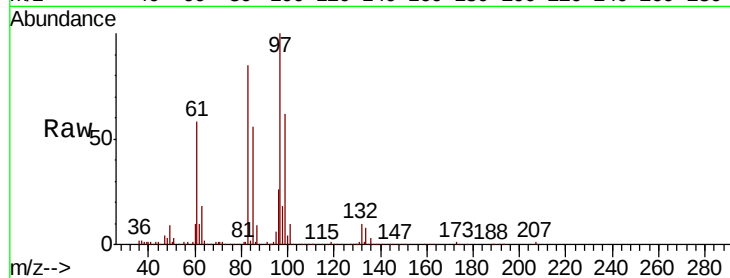
ClientSampleId :

VN1220WBS01

Tot Ion:	97	Resp:	190347
Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.9	106.3
85	55.9	45.4	68.2
99	62.0	50.4	75.6

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#56

Ethyl methacrylate

Concen: 19.657 ug/l

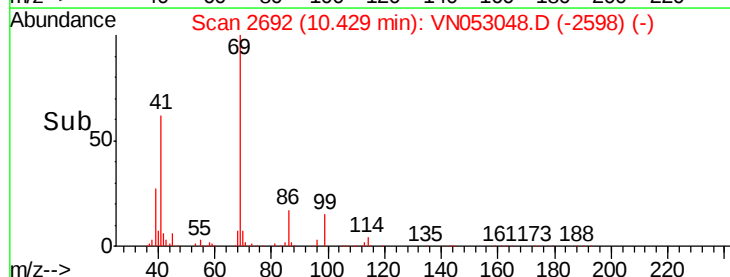
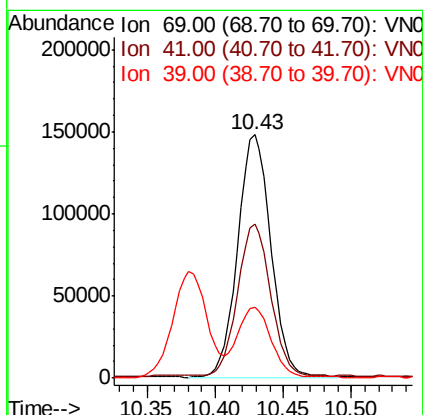
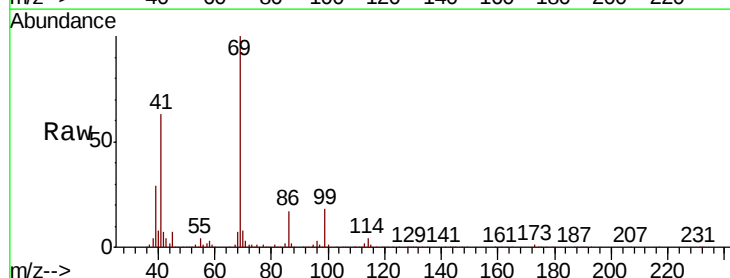
RT: 10.43 min Scan# 2692

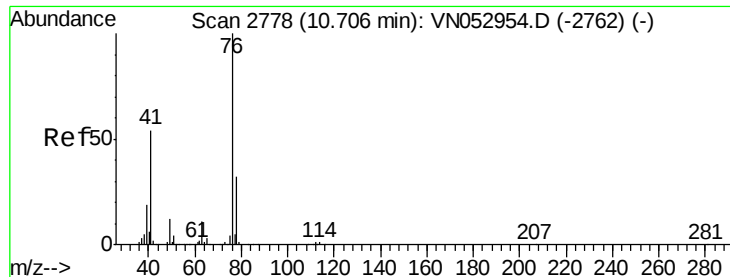
Delta R.T. 0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Tgt Ion:	69	Resp:	249495
Ion	Ratio	Lower	Upper
69	100		
41	61.8	51.7	77.5
39	29.5	24.6	37.0





#57

1,3-Dichloropropane

Concen: 20.041 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS01

Tot Ion: 76 Resp: 329558

Ion Ratio Lower Upper

76 100

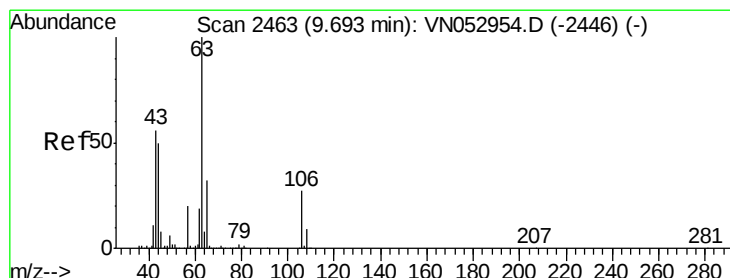
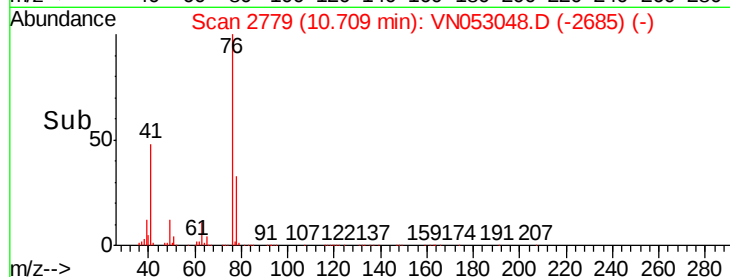
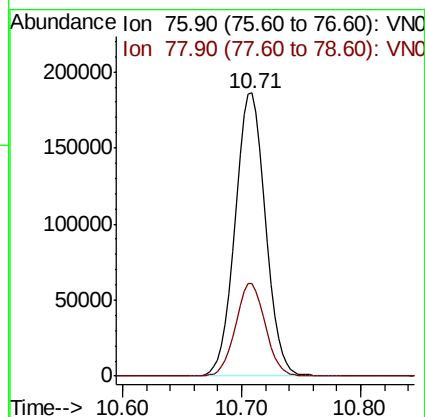
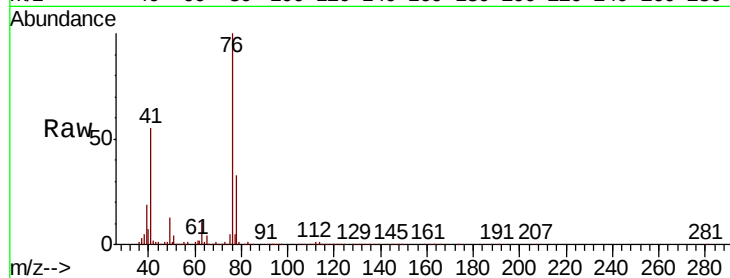
78 32.1 25.8 38.8

Manual Integrations

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MMDadoda

12/21/2018 9:20:50 AM



#58

2-Chloroethyl Vinyl ether

Concen: 101.610 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053048.D

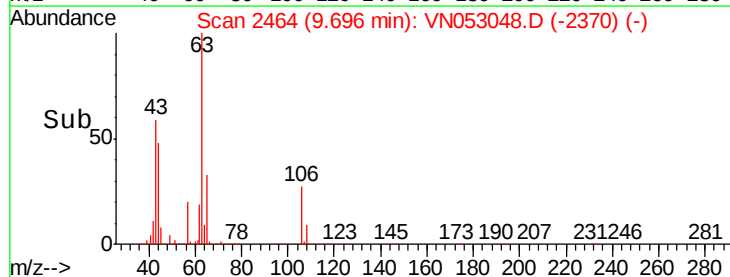
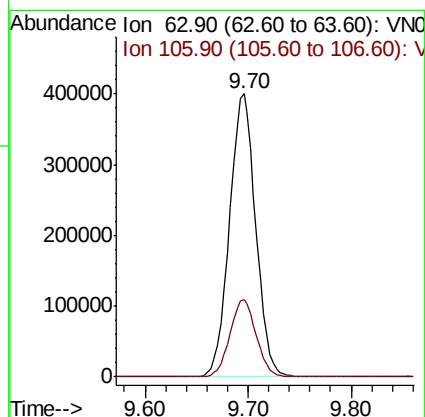
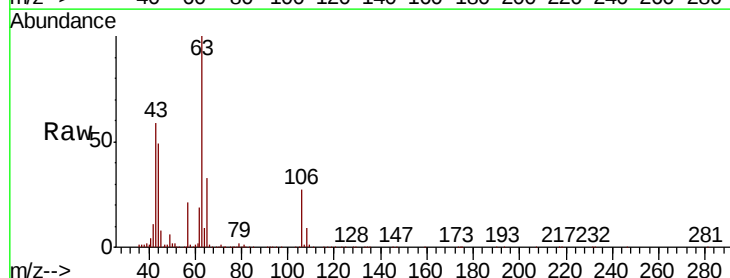
Acq: 20 Dec 2018 11:27

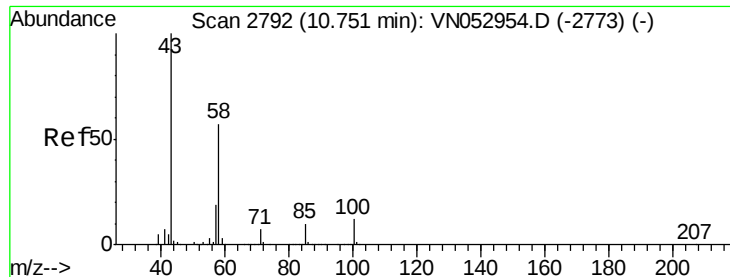
Tgt Ion: 63 Resp: 708043

Ion Ratio Lower Upper

63 100

106 27.4 21.0 31.6





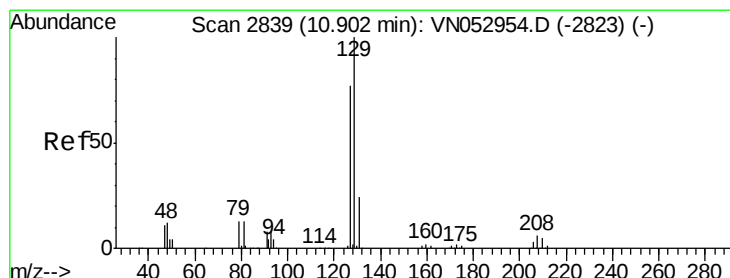
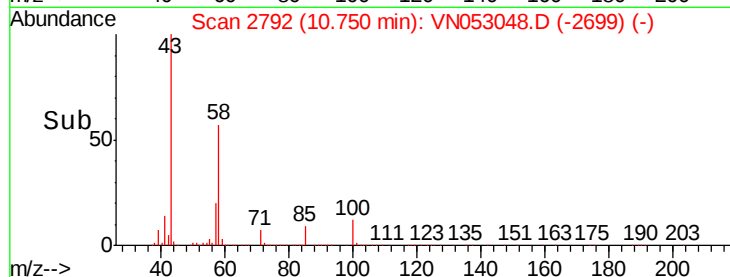
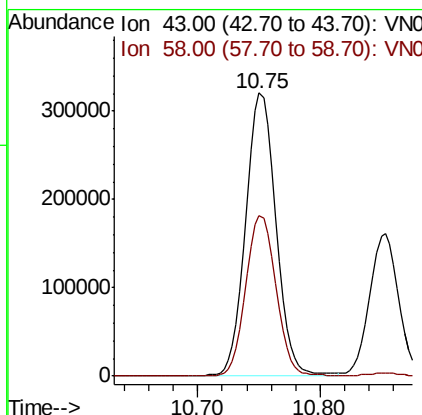
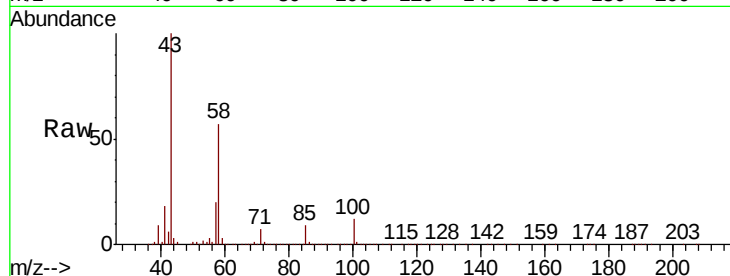
#59
2-Hexanone
Concen: 99.329 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.4	28.1	84.3

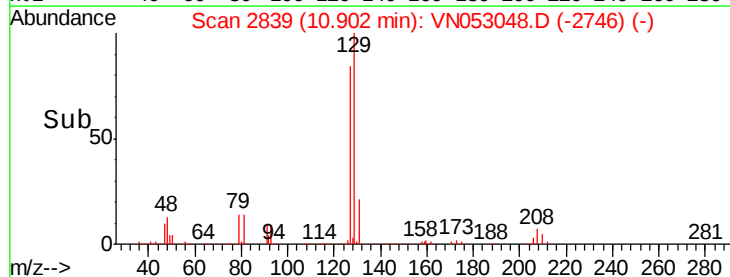
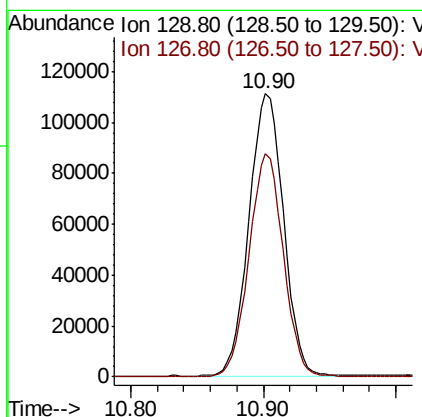
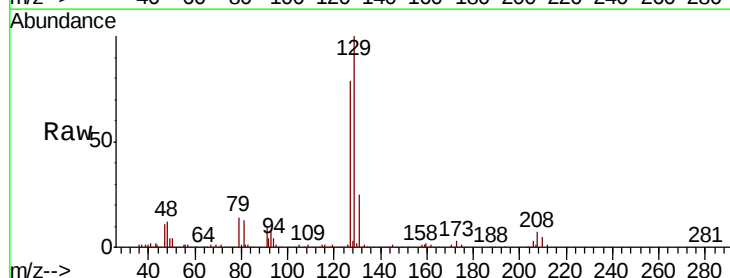
Manual Integrations
APPROVED

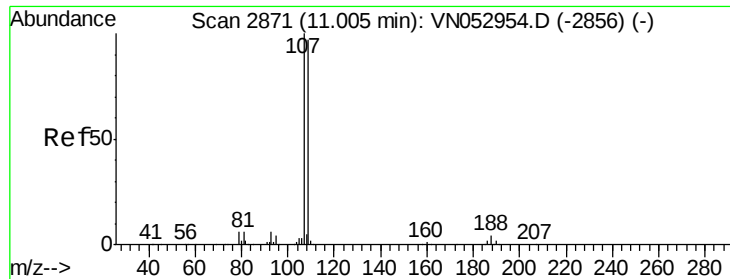
MMDadoda
12/21/2018 9:20:50 AM



#60
Dibromochloromethane
Concen: 18.328 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.6	116.0





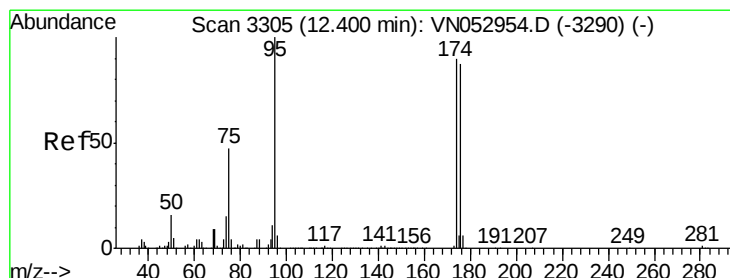
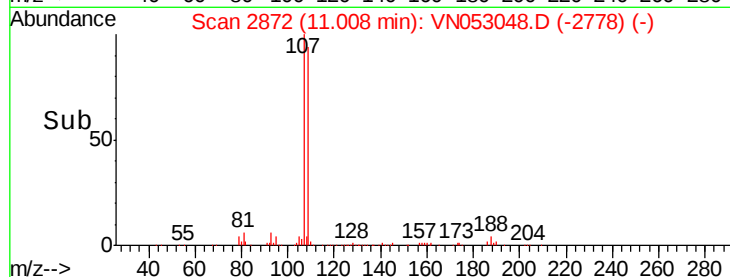
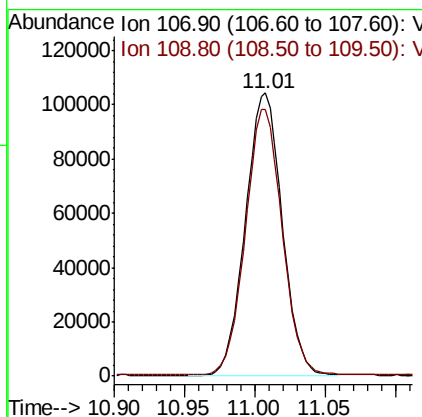
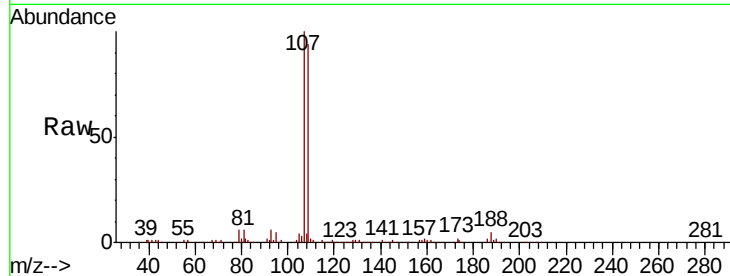
#61
 1,2-Dibromoethane
 Concen: 19.467 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053048.D
 Acq: 20 Dec 2018 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.0

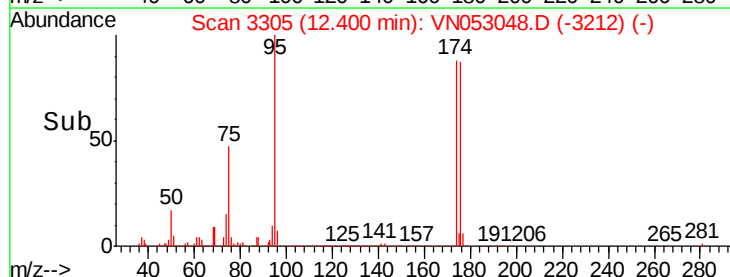
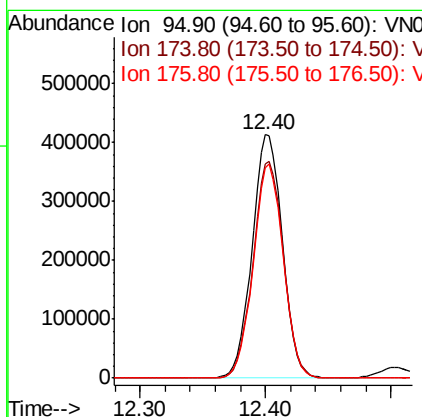
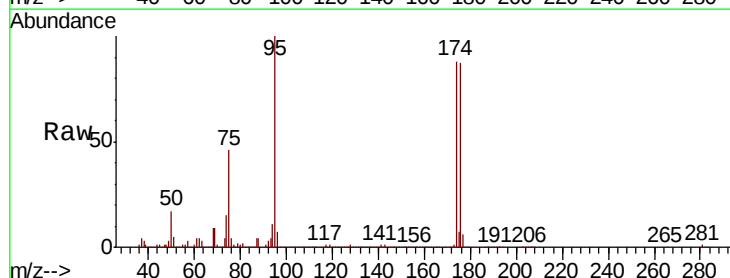
Manual Integrations
 APPROVED

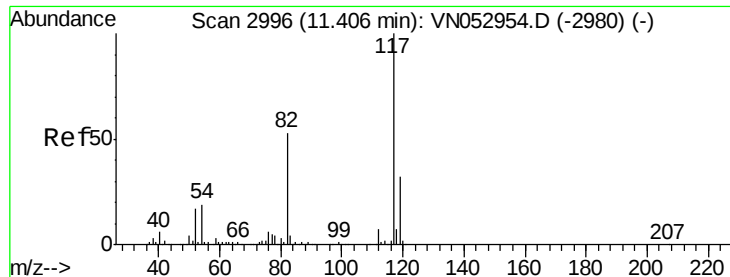
MMDadoda
 12/21/2018 9:20:50 AM



#62
 4-Bromofluorobenzene
 Concen: 19.467 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053048.D
 Acq: 20 Dec 2018 11:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	178.8
176	87.8	0.0	173.8





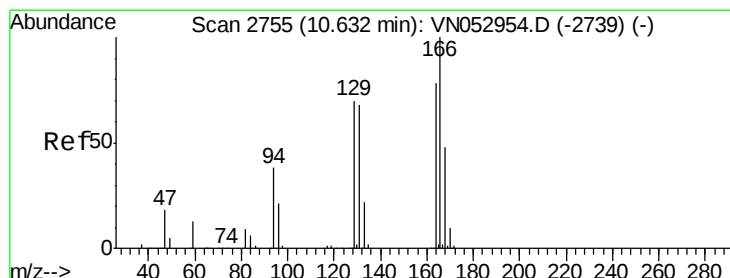
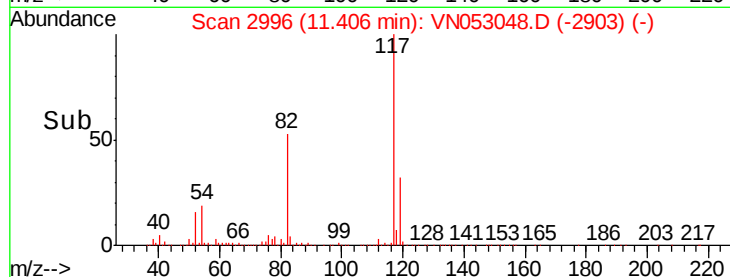
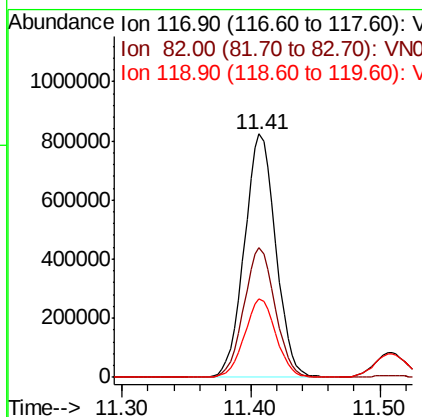
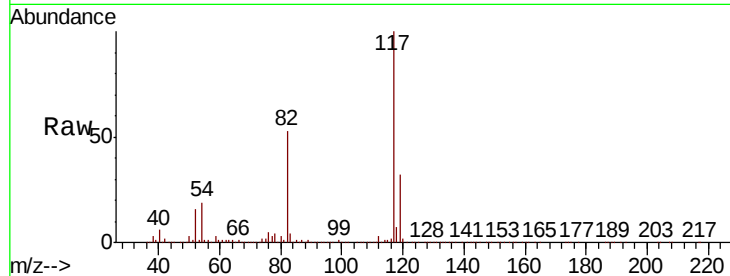
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.8	64.2
119	31.9	25.5	38.3

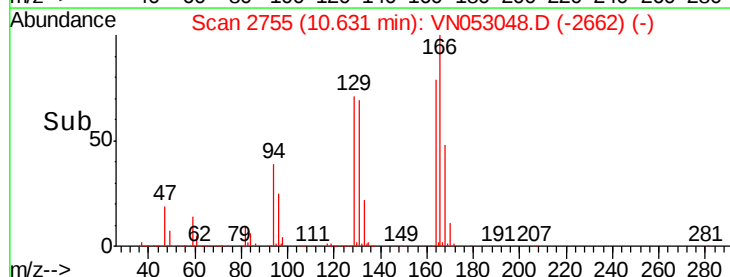
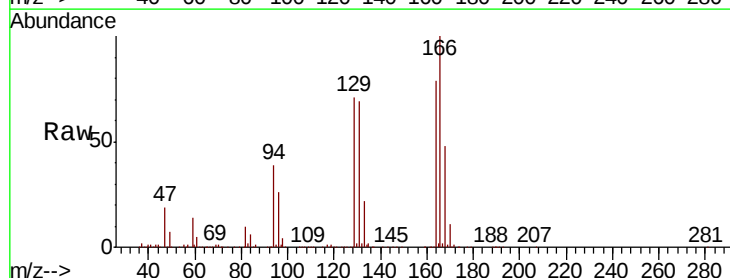
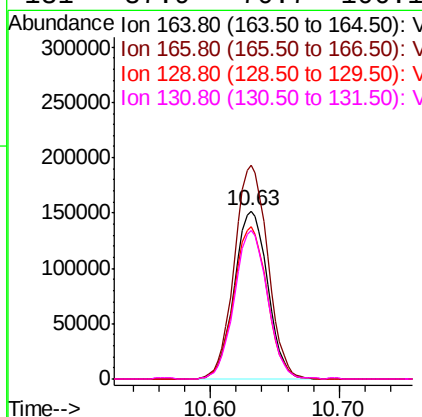
Manual Integrations
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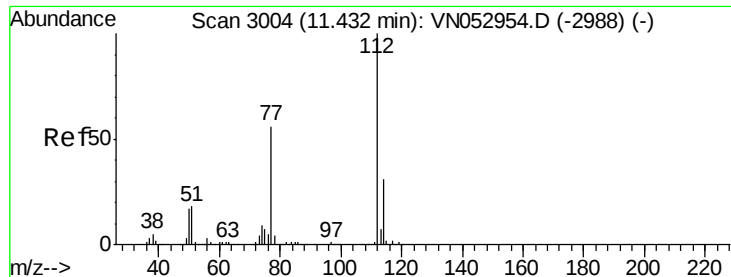
MMDadoda
12/21/2018 9:20:50 AM



#64
Tetrachloroethene
Concen: 18.196 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	102.9	154.3
129	90.0	73.7	110.5
131	87.9	70.7	106.1





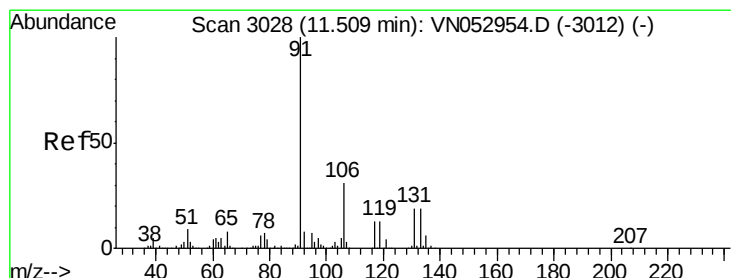
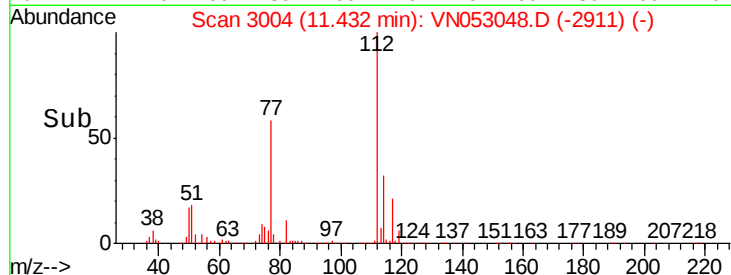
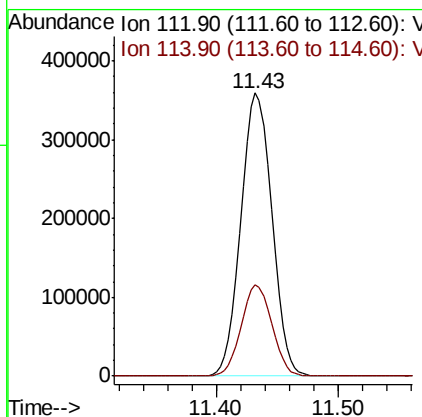
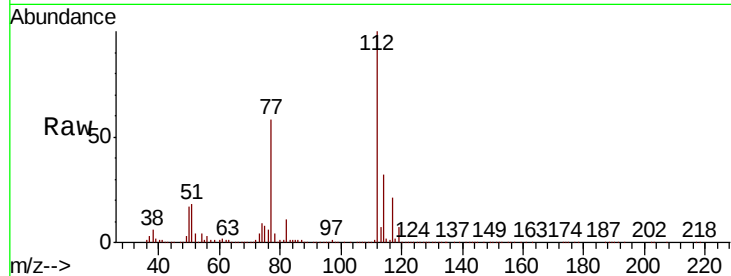
#65
Chlorobenzene
Concen: 20.496 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tot Ion:112 Resp: 631000
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3

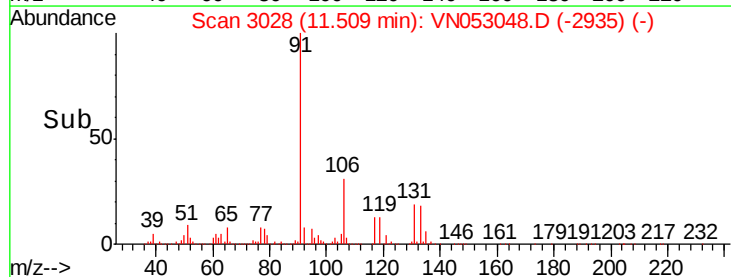
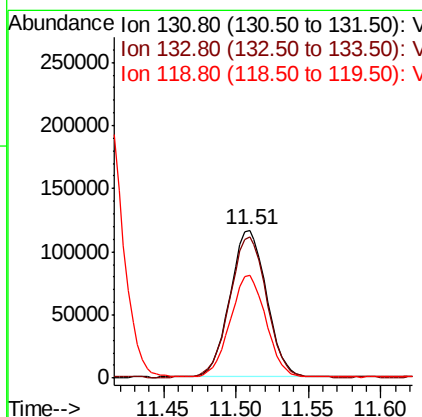
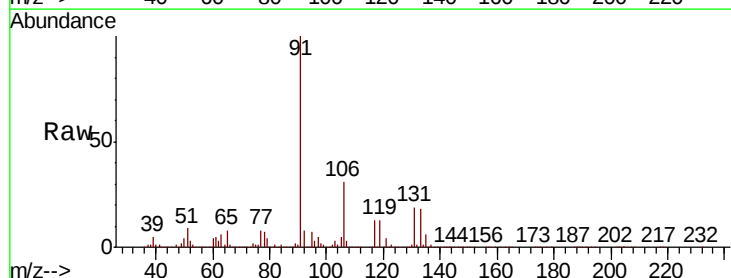
Manual Integrations
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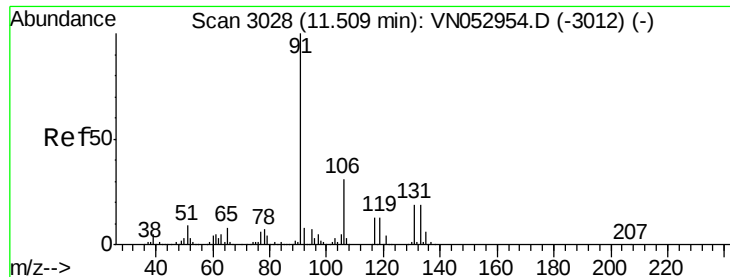
MMDadoda
12/21/2018 9:20:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.978 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tgt Ion:131 Resp: 203178
Ion Ratio Lower Upper
131 100
133 96.8 47.6 142.9
119 67.7 33.3 99.8





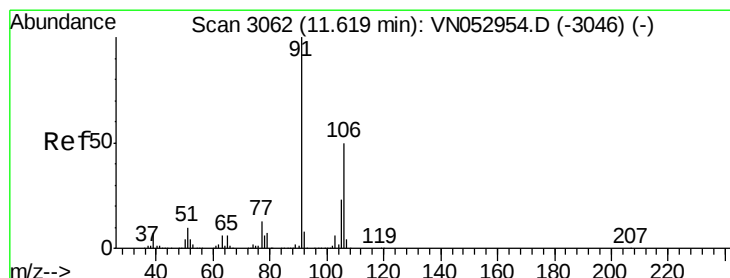
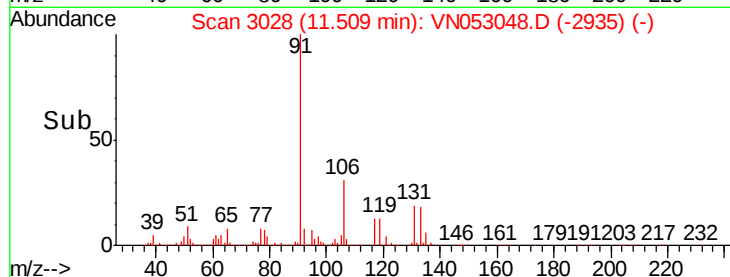
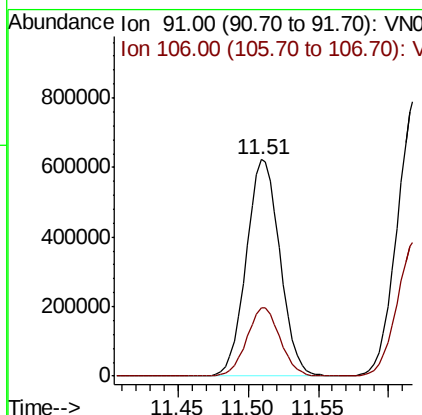
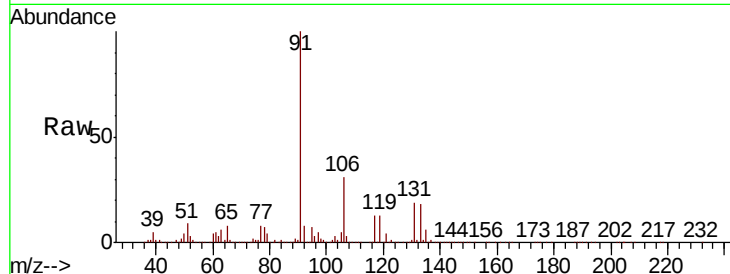
#67
Ethyl Benzene
Concen: 19.628 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tot Ion: 91 Resp: 1039218
Ion Ratio Lower Upper
91 100
106 31.5 24.9 37.3

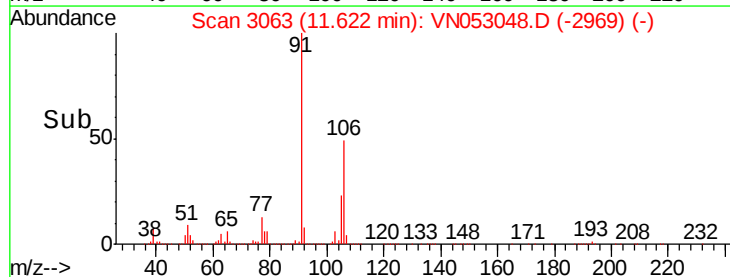
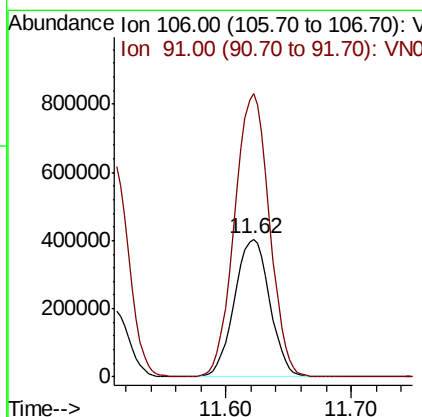
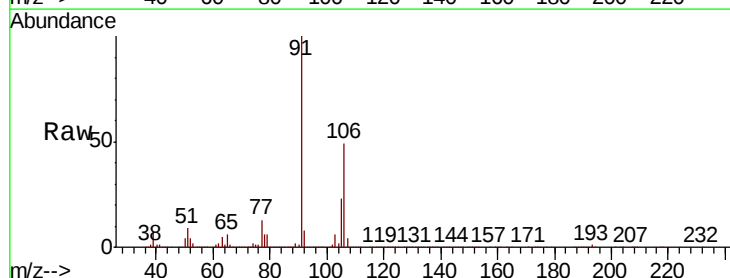
Manual Integrations
APPROVED

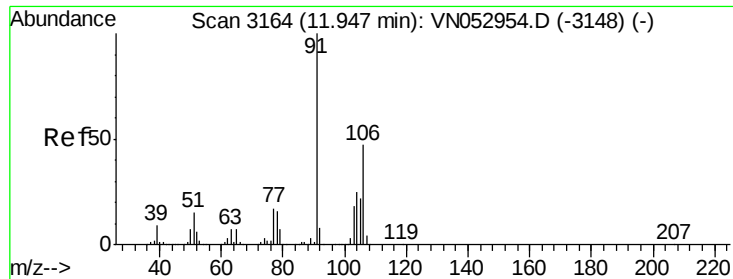
MMDadoda
12/21/2018 9:20:50 AM



#68
m/p-Xylenes
Concen: 38.987 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tgt Ion: 106 Resp: 784697
Ion Ratio Lower Upper
106 100
91 203.6 162.2 243.4





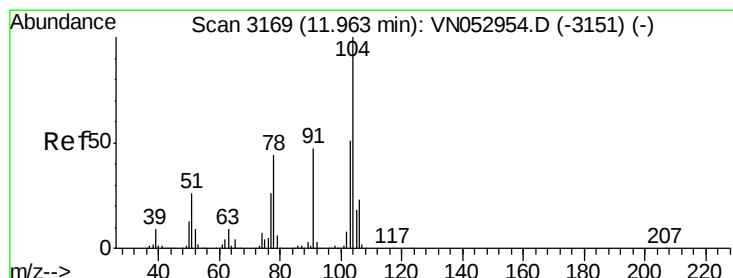
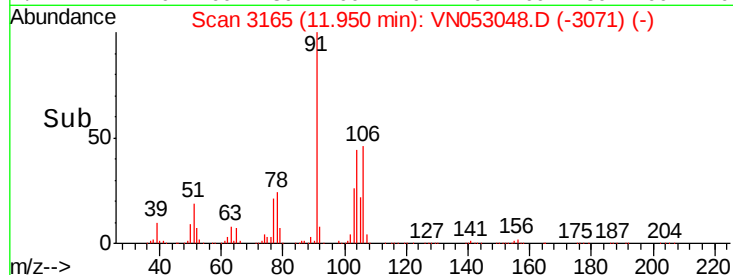
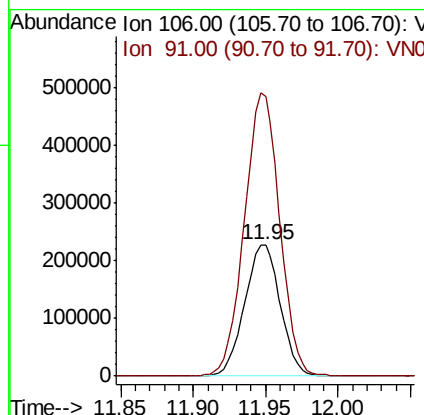
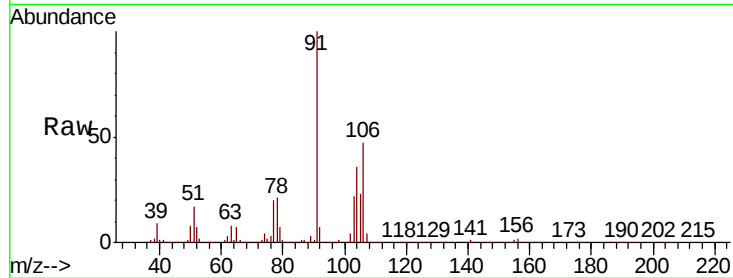
#69
o-Xylene
Concen: 20.092 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tot Ion:106 Resp: 388058
Ion Ratio Lower Upper
106 100
91 212.9 106.6 319.8

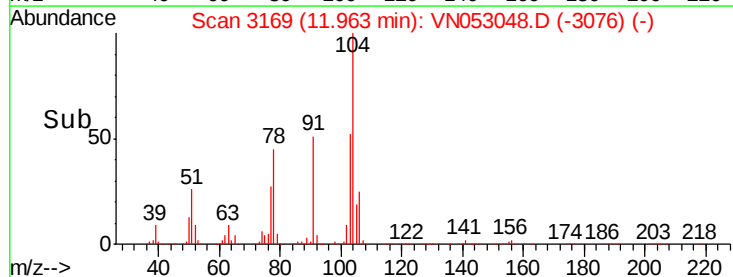
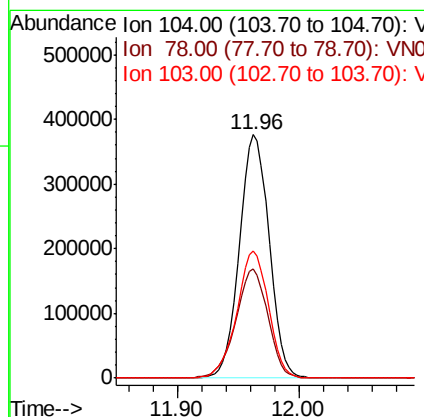
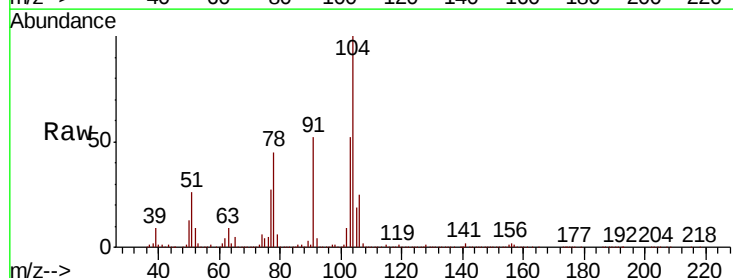
Manual Integrations
APPROVED

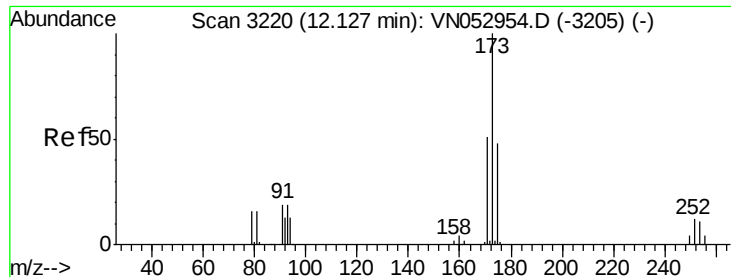
MMDadoda
12/21/2018 9:20:50 AM



#70
Styrene
Concen: 19.996 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tgt Ion:104 Resp: 629724
Ion Ratio Lower Upper
104 100
78 48.6 38.9 58.3
103 55.8 44.3 66.5





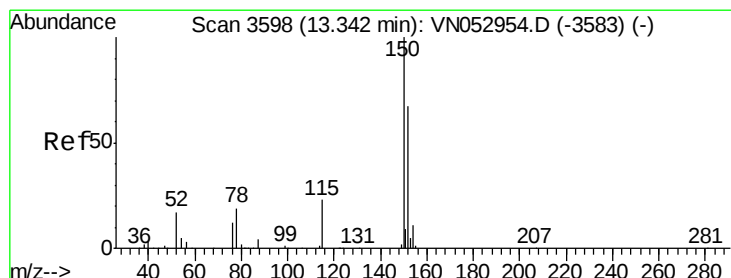
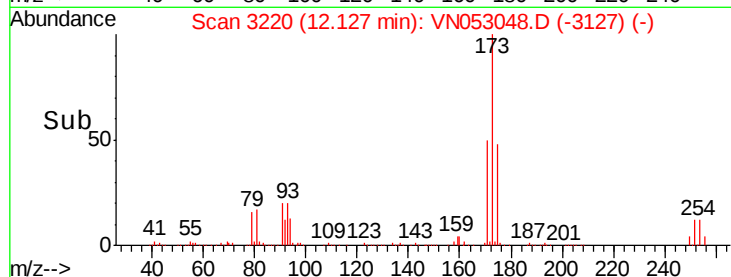
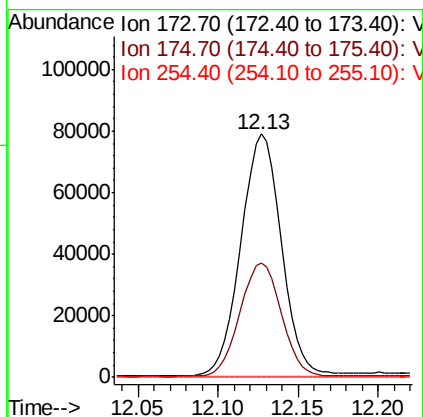
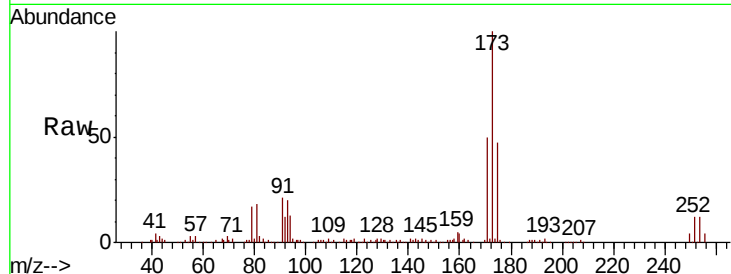
#71
Bromoform
Concen: 17.552 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Instrument :
MSVOA_N
ClientSampled :
VN1220WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.9
254	0.0	0.1	0.1#

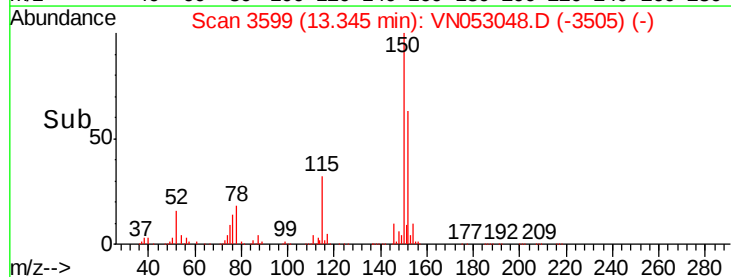
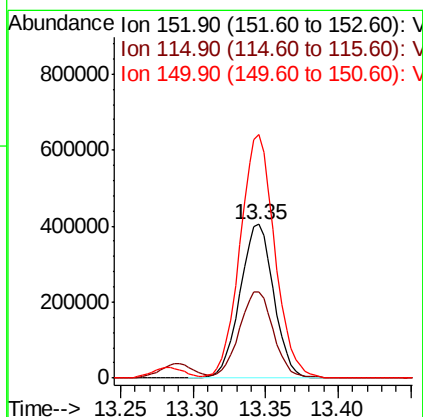
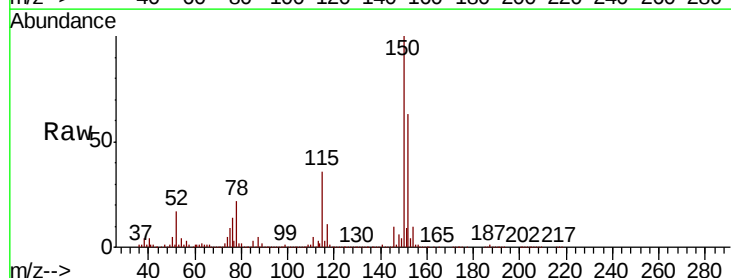
Manual Integrations
APPROVED

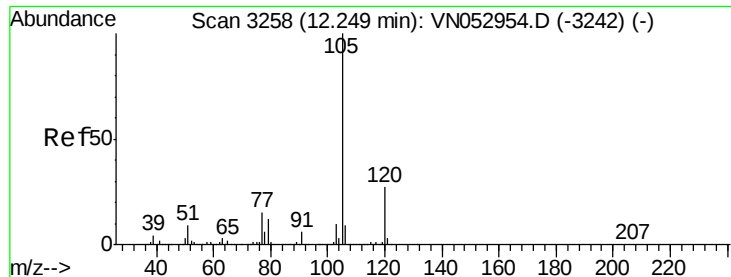
MMDadoda
12/21/2018 9:20:50 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.3	85.0
150	163.4	0.0	347.8





#73

Isopropylbenzene

Concen: 20.050 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS01

Tot Ion:105 Resp: 1023078

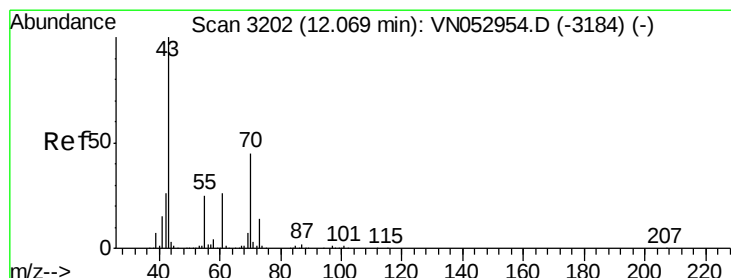
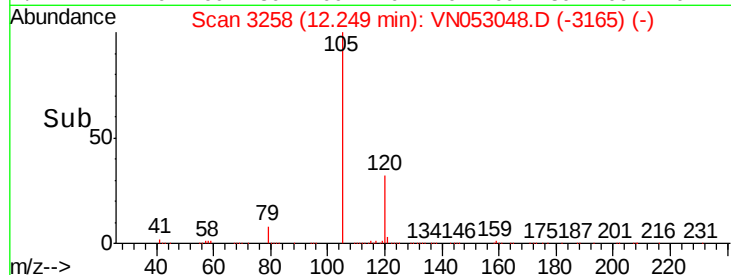
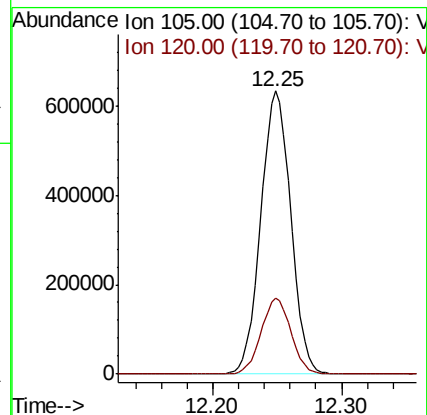
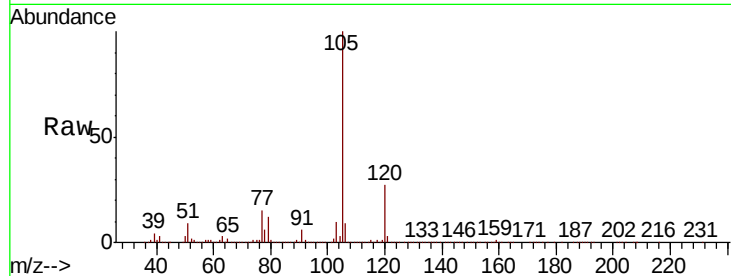
Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9

Manual Integrations
APPROVED

MMDadoda
12/21/2018 9:20:50 AM



#74

N-ethyl acetate

Concen: 19.859 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Tgt Ion: 43 Resp: 281334

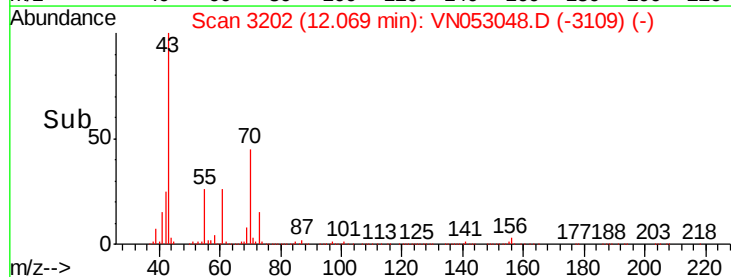
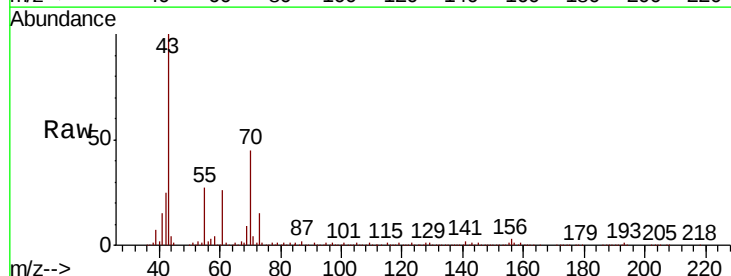
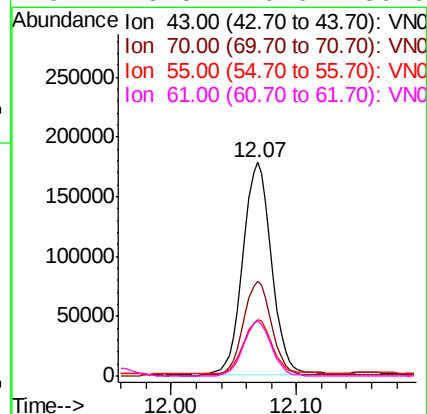
Ion Ratio Lower Upper

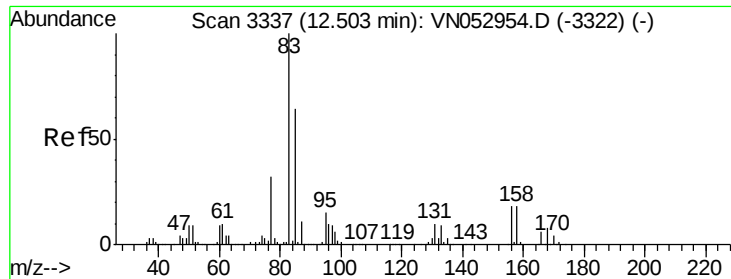
43 100

70 44.5 34.2 51.4

55 25.6 20.3 30.5

61 25.3 20.0 30.0





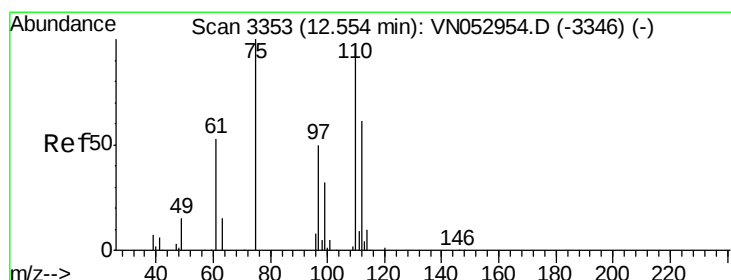
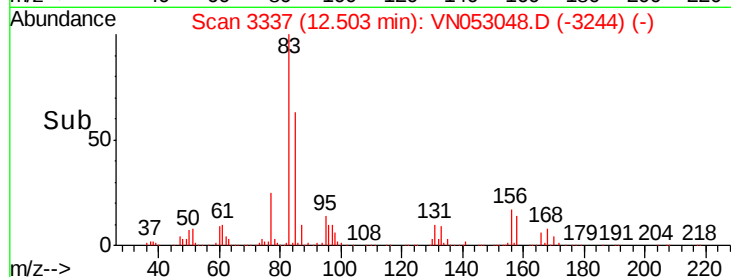
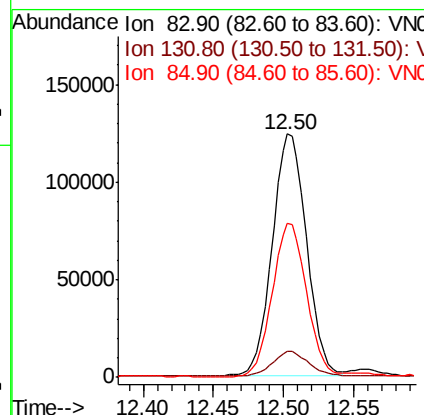
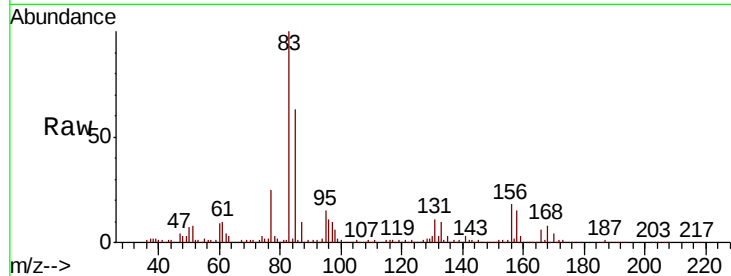
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.848 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN053048.D
 Acq: 20 Dec 2018 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	208700		
131	10.9	5.2	15.6	
85	63.2	32.4	97.0	

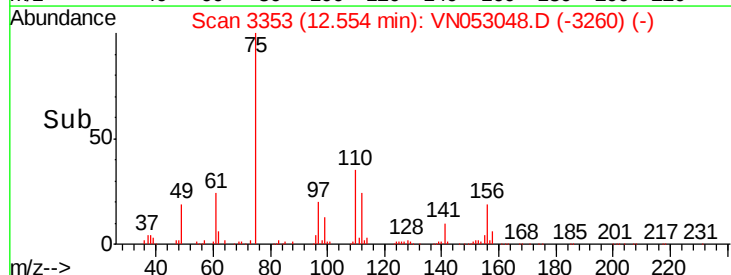
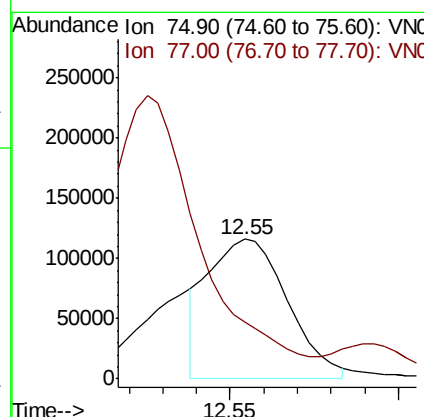
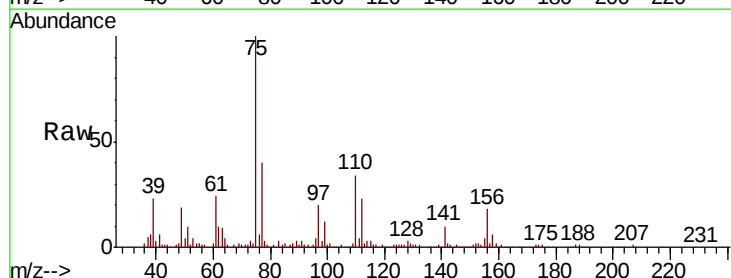
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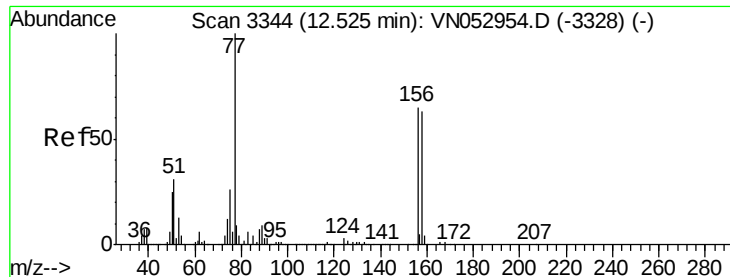
MMDadoda
 12/21/2018 9:20:50 AM



#76
 1,2,3-Trichloropropane
 Concen: 17.343 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN053048.D
 Acq: 20 Dec 2018 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	190398		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 22.765 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Instrument :

MSVOA_N

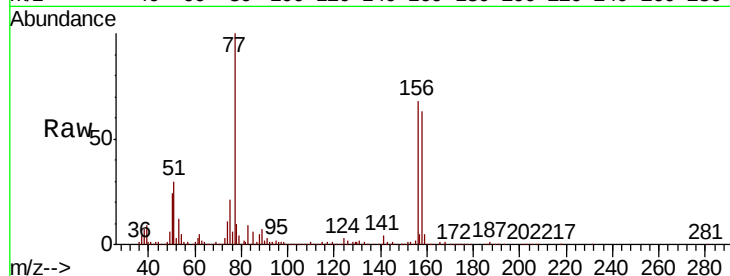
ClientSampleId :

VN1220WBS01

Tot Ion:	156	Resp:	301953
Ion Ratio	Lower	Upper	
156	100		
77	153.2	91.3	273.8
158	83.8	49.0	147.2

Manual Integrations
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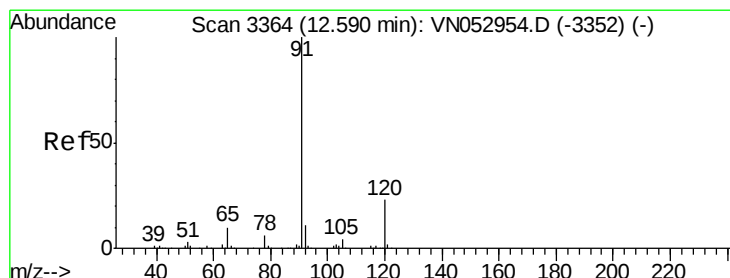
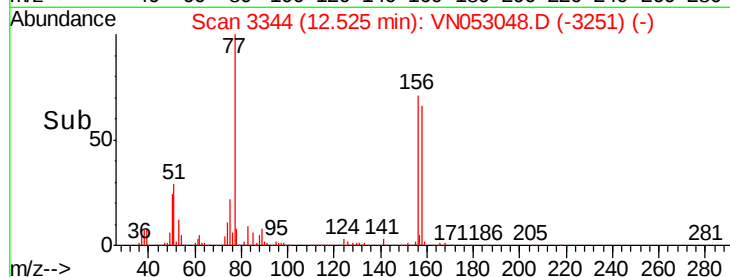
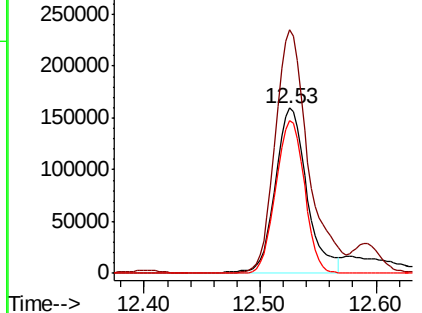
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.786 ug/l

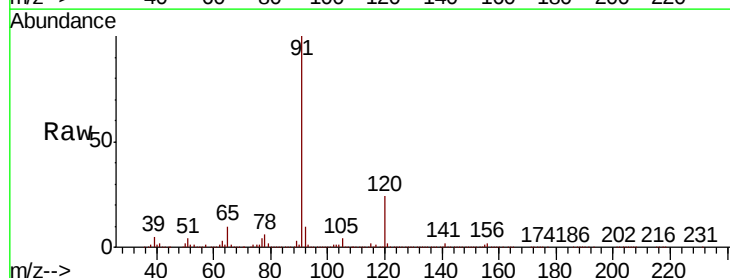
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053048.D

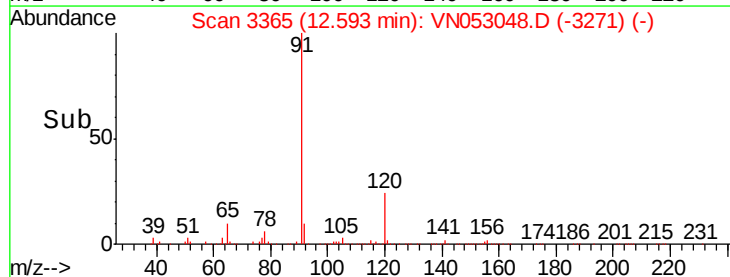
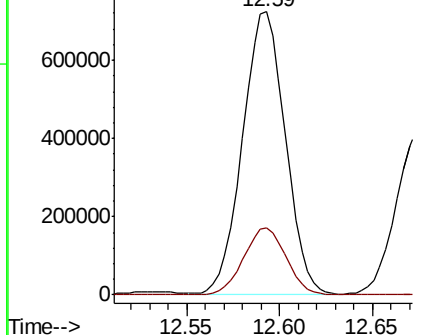
Acq: 20 Dec 2018 11:27

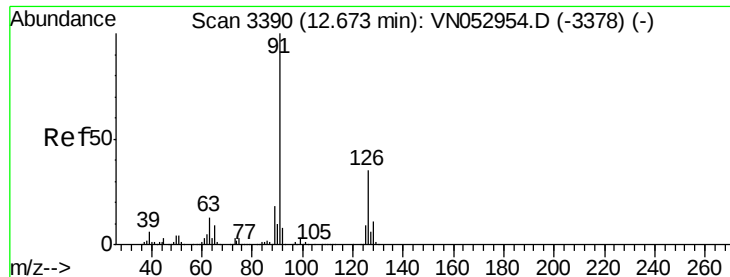
Tgt Ion:	91	Resp:	1149831
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.817 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS01

Tot Ion: 91 Resp: 677837

Ion Ratio Lower Upper

91 100

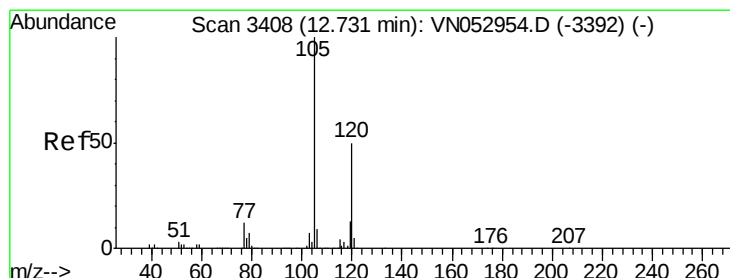
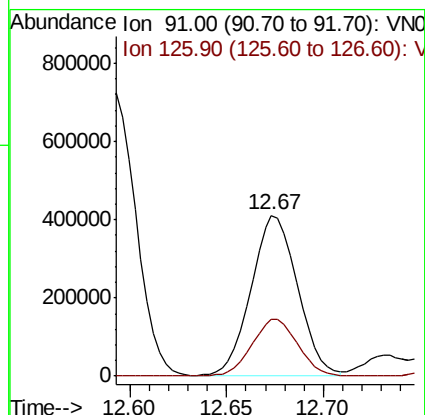
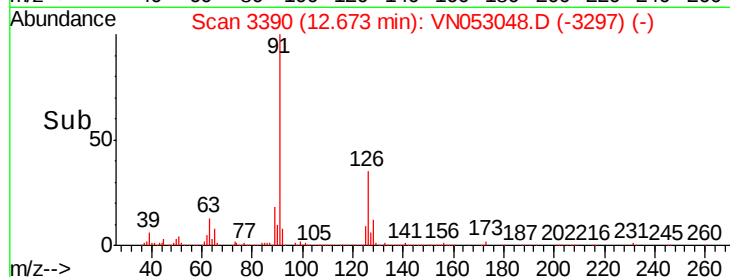
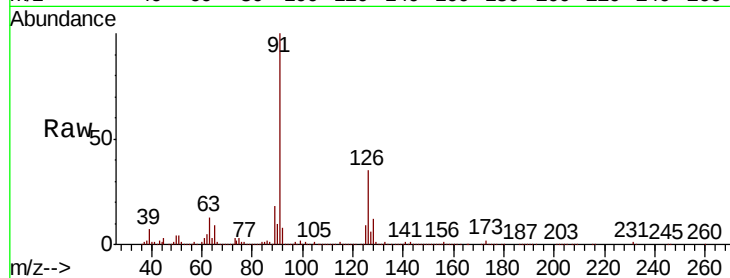
126 35.2 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 19.842 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053048.D

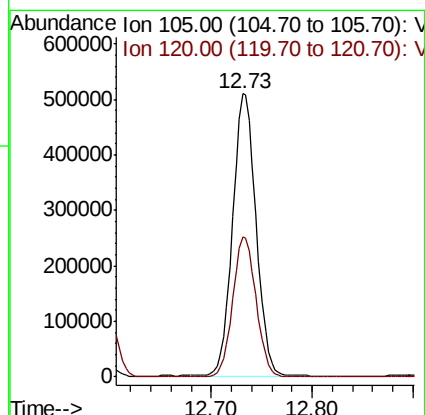
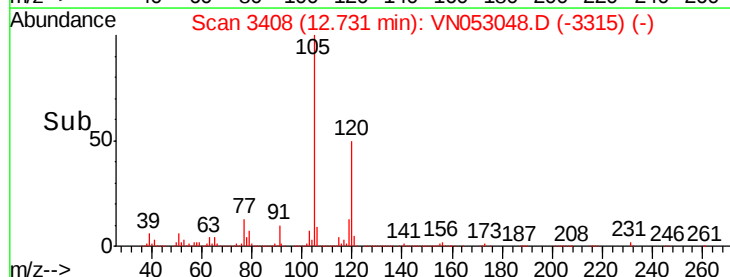
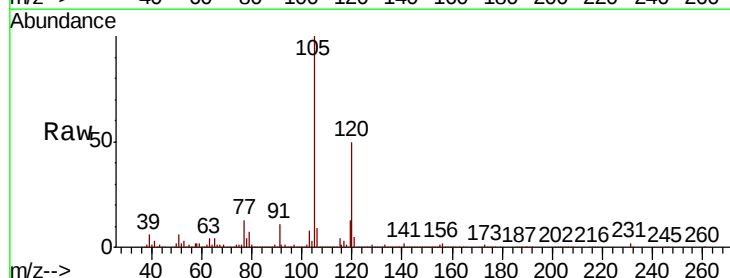
Acq: 20 Dec 2018 11:27

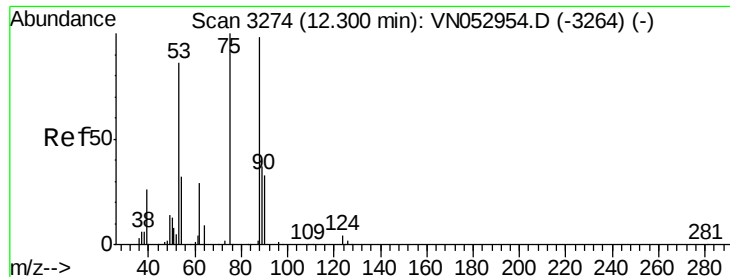
Tgt Ion: 105 Resp: 825234

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2





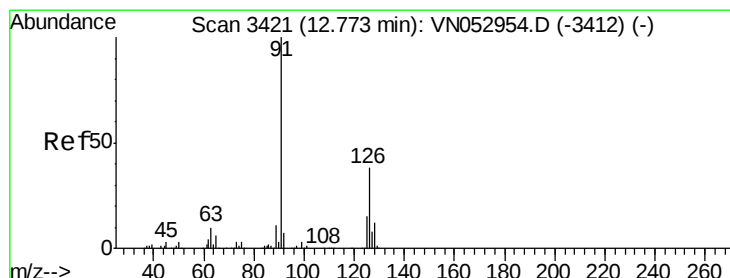
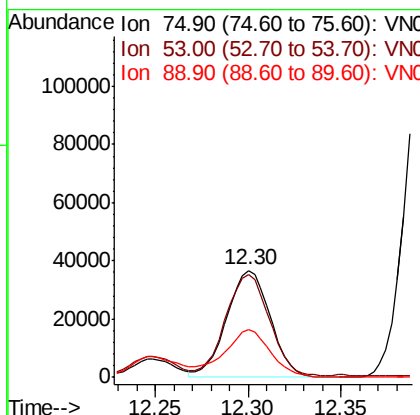
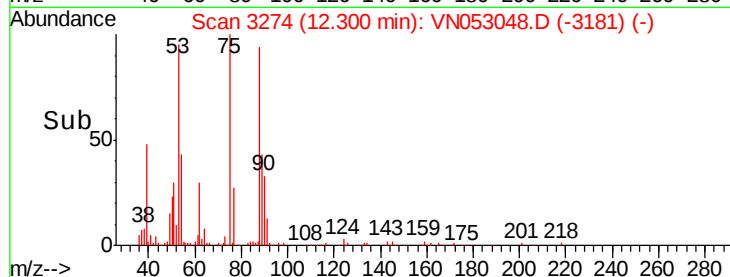
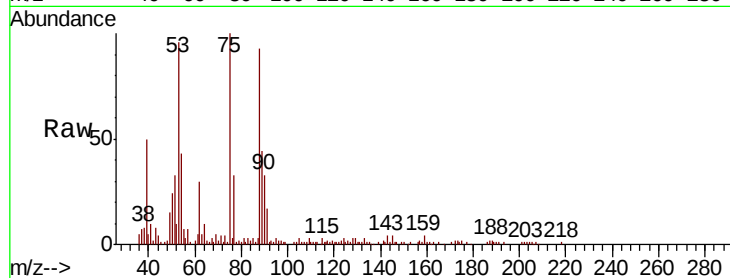
#81
trans-1,4-Dichloro-2-butene
Concen: 17.583 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.5	74.7	112.1
89	47.2	36.1	54.1

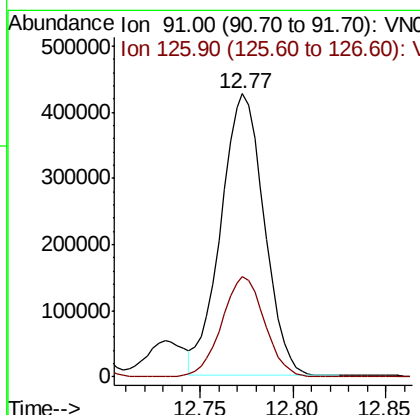
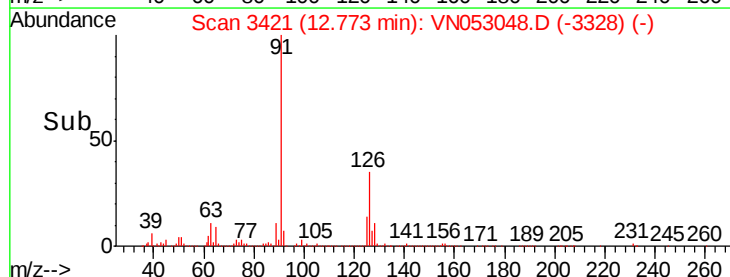
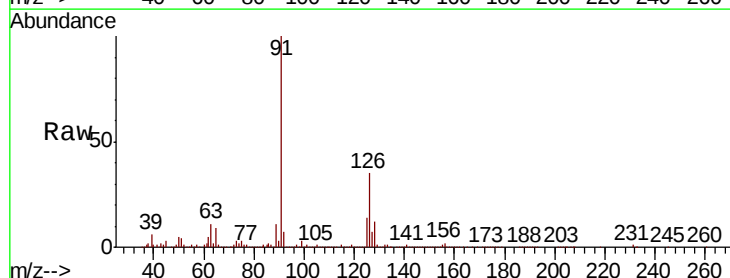
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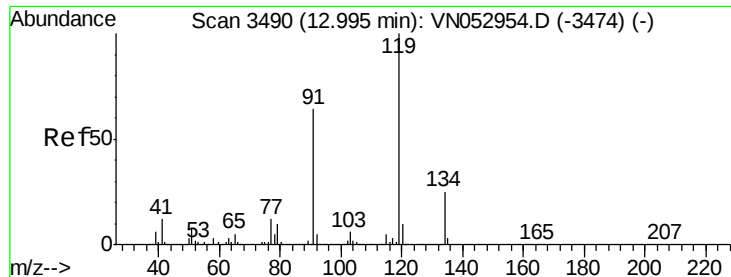
MMDadoda
12/21/2018 9:20:50 AM



#82
4-Chlorotoluene
Concen: 19.601 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.3	51.7





#83

tert-Butylbenzene

Concen: 19.432 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Instrument :

MSVOA_N

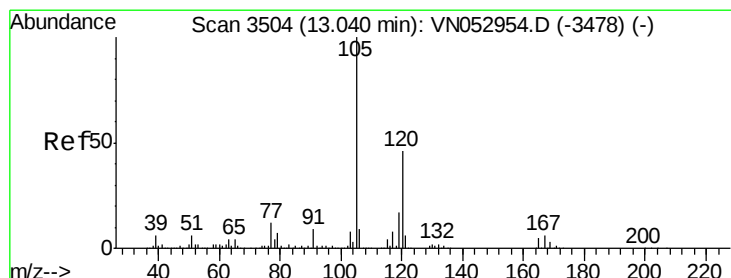
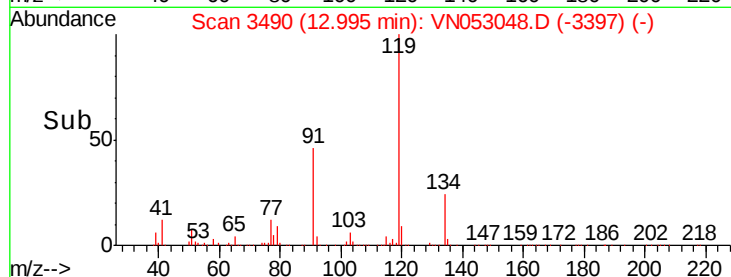
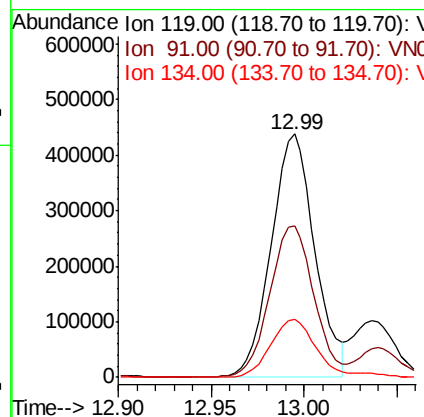
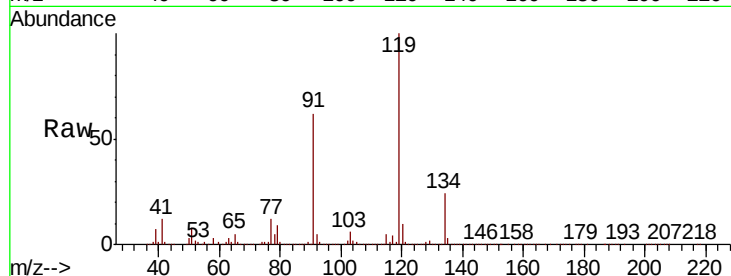
ClientSampleId :

VN1220WBS01

Tot Ion:	119	Resp:	714779
Ion Ratio	Lower	Upper	
119	100		
91	63.2	31.9	95.5
134	25.7	12.8	38.4

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#84

1,2,4-Trimethylbenzene

Concen: 20.070 ug/l

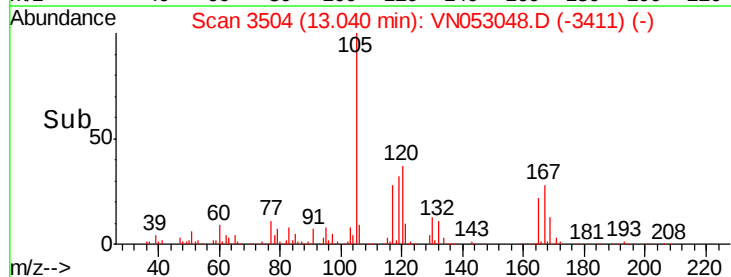
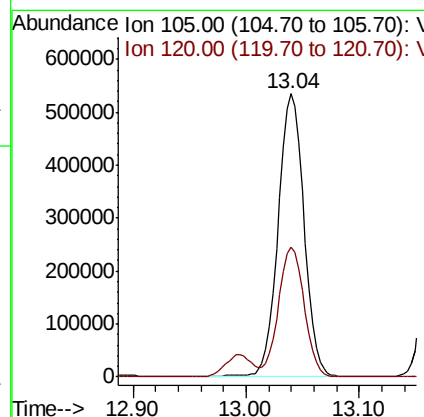
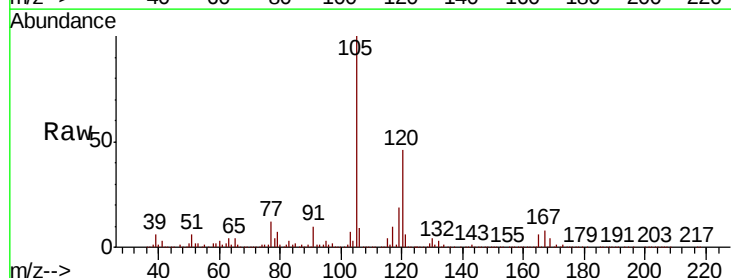
RT: 13.04 min Scan# 3504

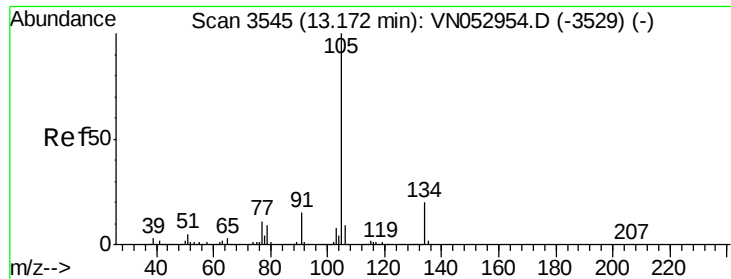
Delta R.T. -0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Tgt Ion:	105	Resp:	839123
Ion Ratio	Lower	Upper	
105	100		
120	46.0	22.9	68.8





#85

sec-Butylbenzene

Concen: 19.097 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBS01

Tot Ion:105 Resp: 950124

Ion Ratio Lower Upper

105 100

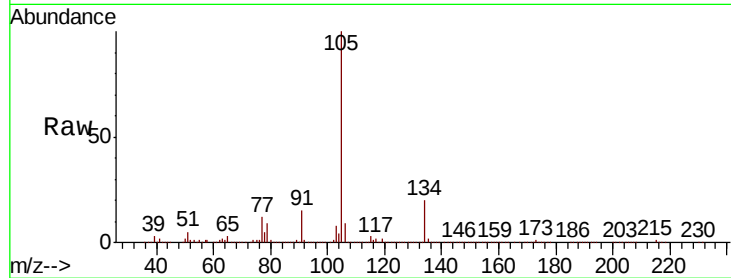
134 20.5 10.1 30.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

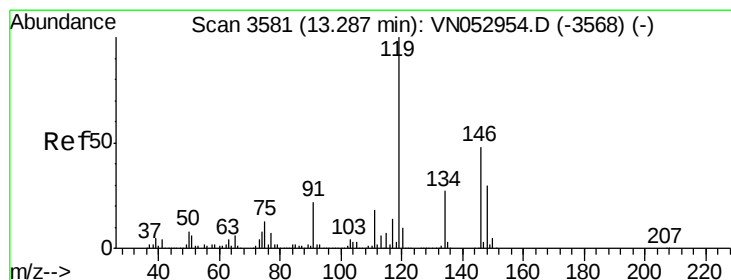
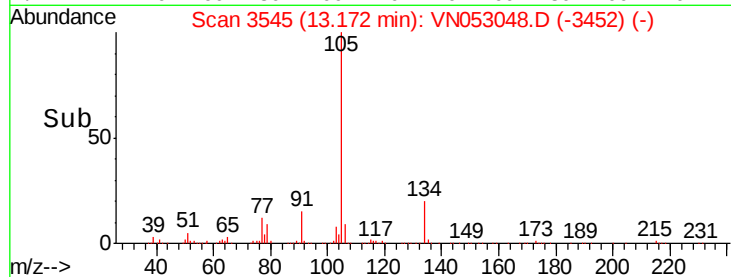
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.402 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

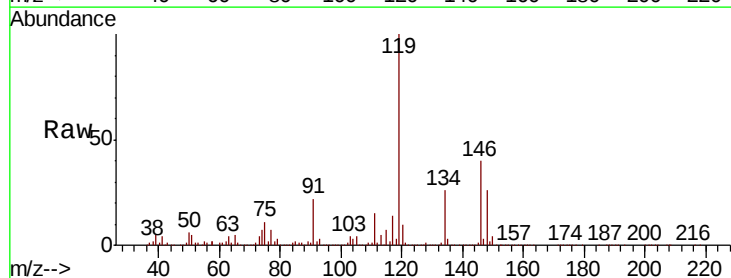
Tgt Ion:119 Resp: 834098

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 21.6 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

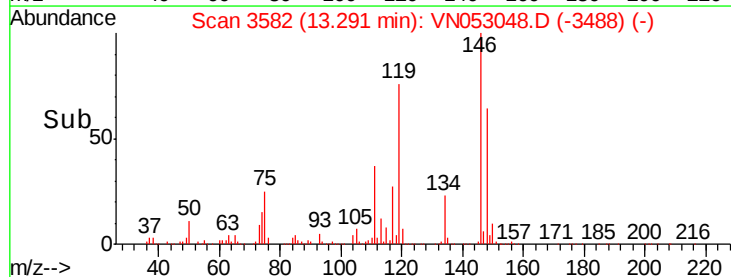
600000

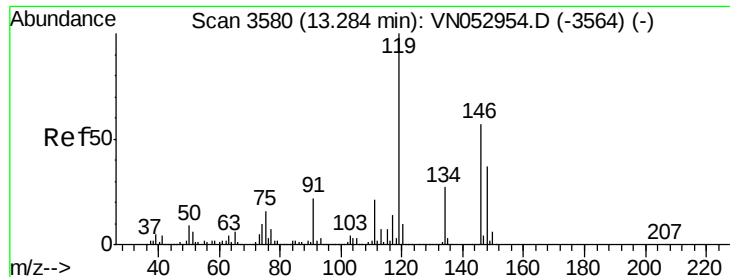
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.137 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Instrument :

MSVOA_N

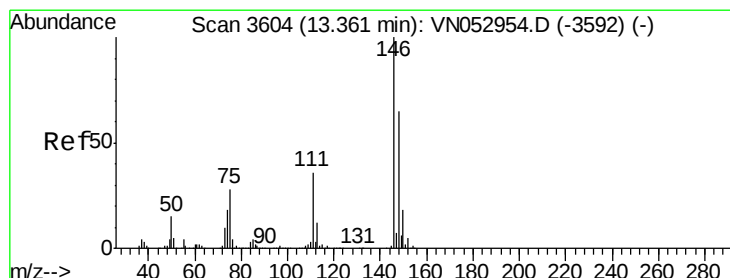
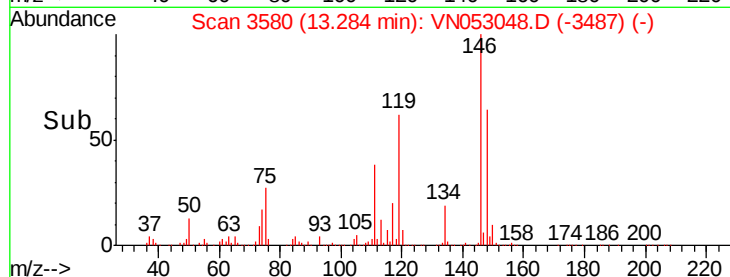
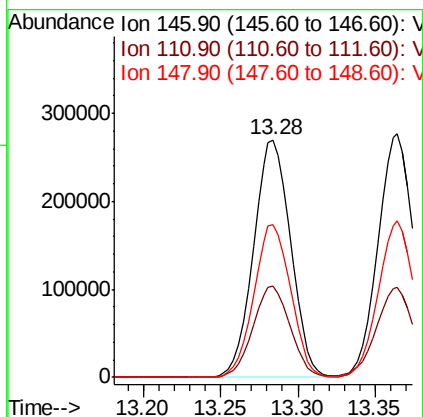
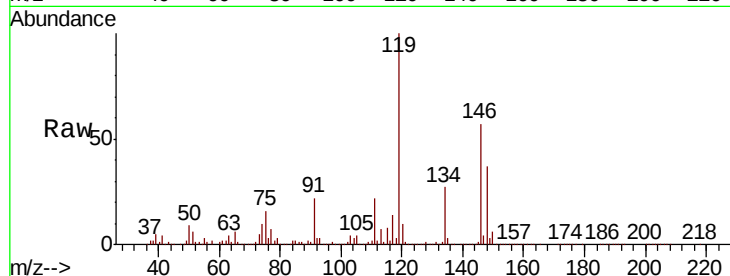
ClientSampleId :

VN1220WBS01

Tot Ion:	146	Resp:	449243
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.1	57.1
148	64.1	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 18.841 ug/l

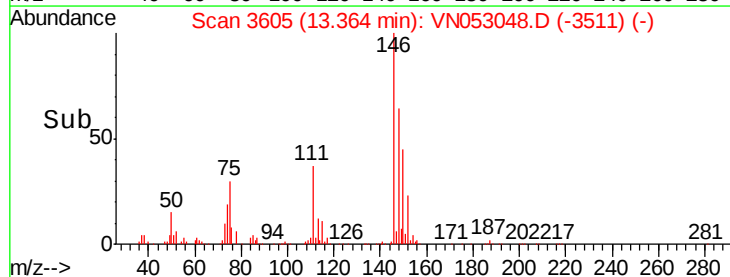
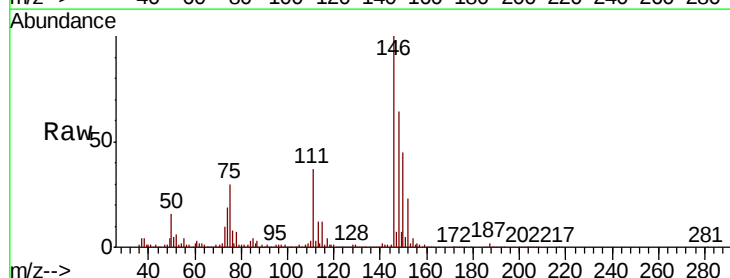
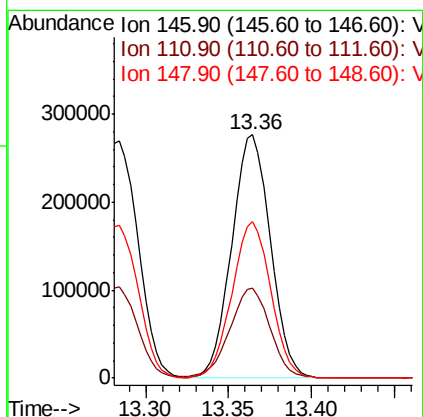
RT: 13.36 min Scan# 3605

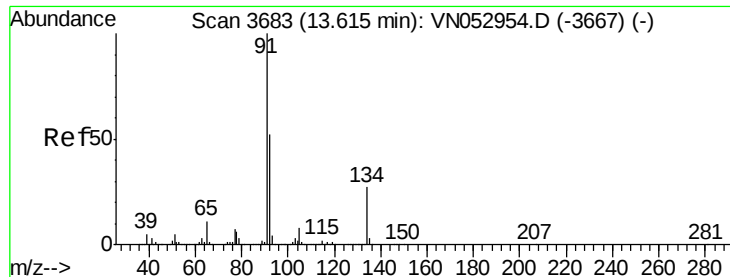
Delta R.T. 0.00 min

Lab File: VN053048.D

Acq: 20 Dec 2018 11:27

Tgt Ion:	146	Resp:	447925
Ion Ratio	Lower	Upper	
146	100		
111	38.3	18.6	55.8
148	64.4	32.1	96.5





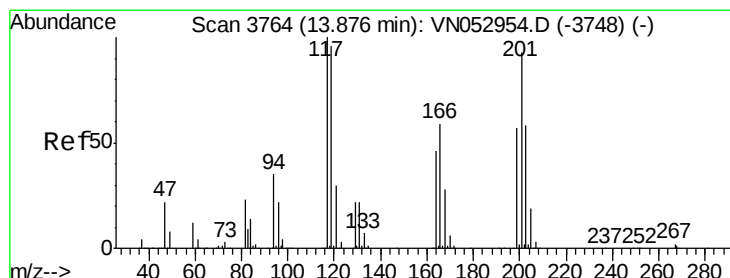
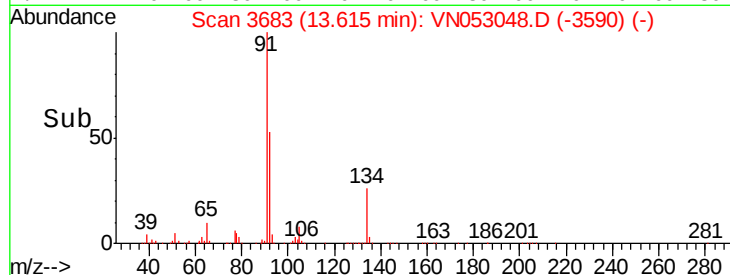
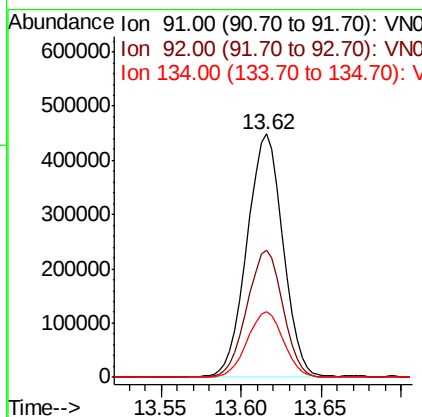
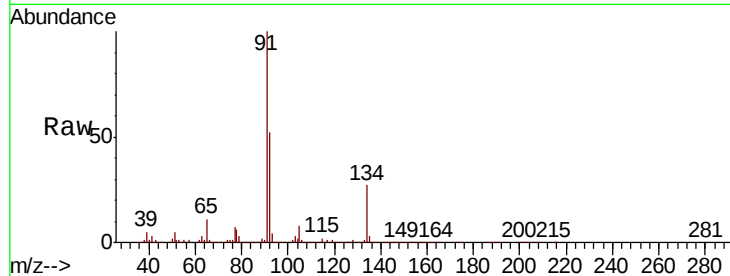
#89
n-Butylbenzene
Concen: 18.471 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.9
134	27.4	13.3	39.8

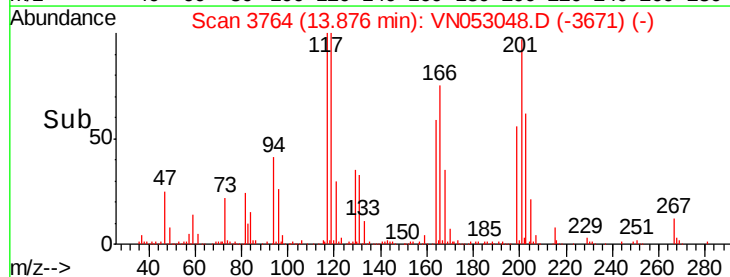
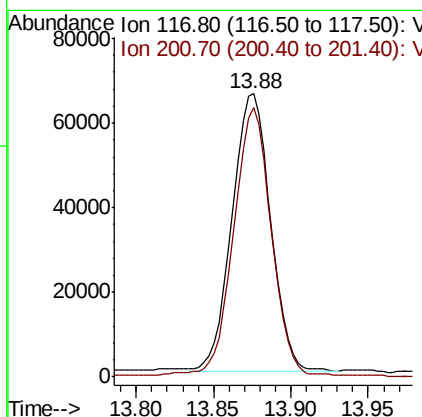
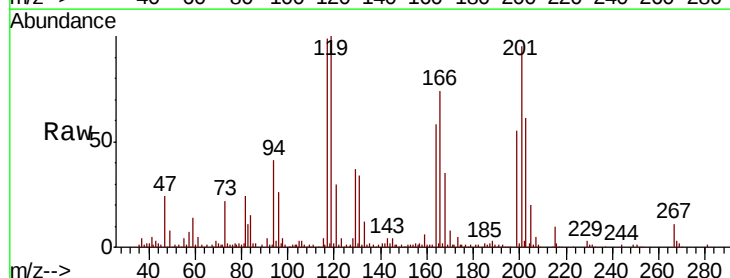
Manual Integrations
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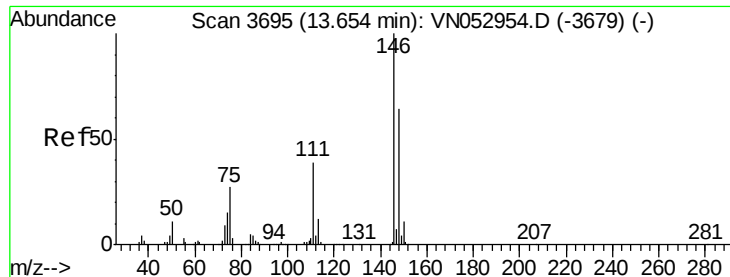
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#90
Hexachloroethane
Concen: 17.158 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.5	45.7	137.1





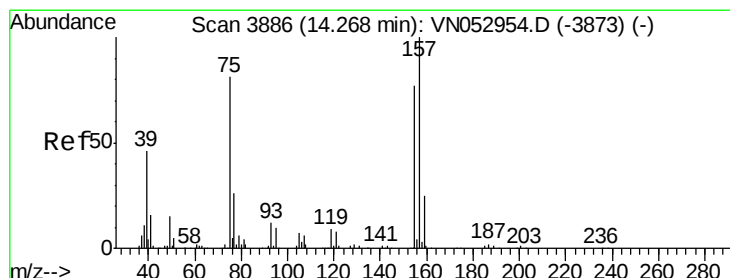
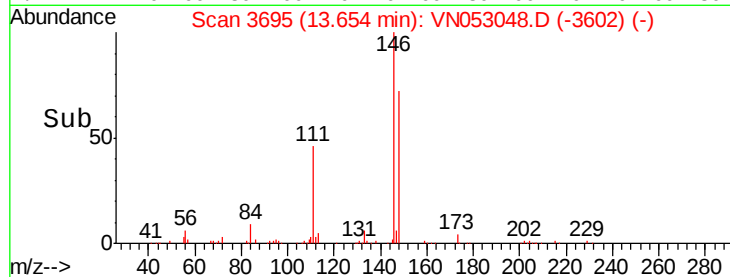
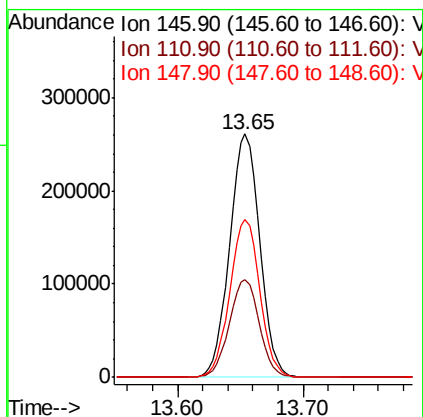
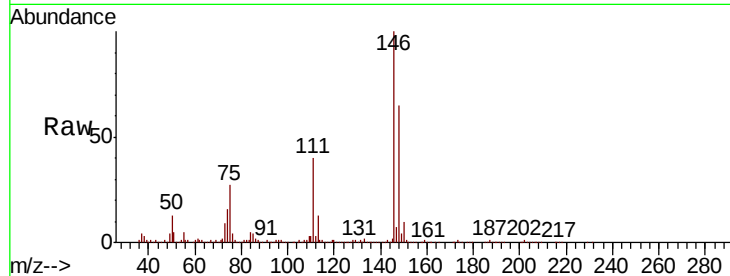
#91
 1,2-Dichlorobenzene
 Concen: 19.623 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053048.D
 Acq: 20 Dec 2018 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.0
148	64.4	32.0	96.0

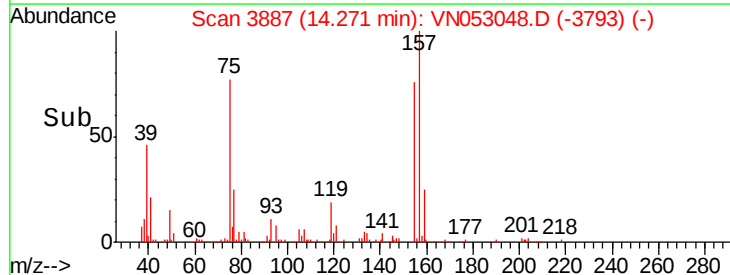
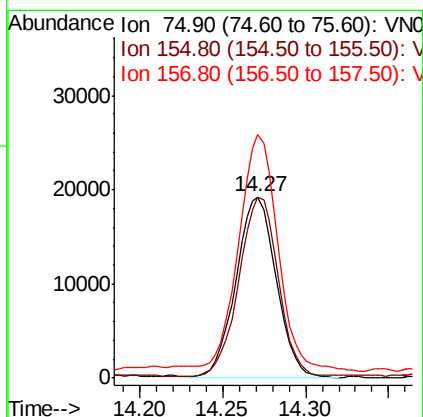
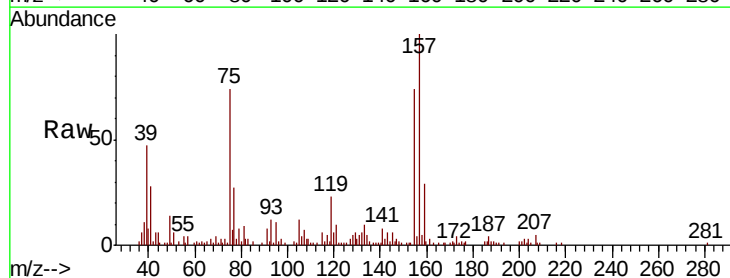
Manual Integrations
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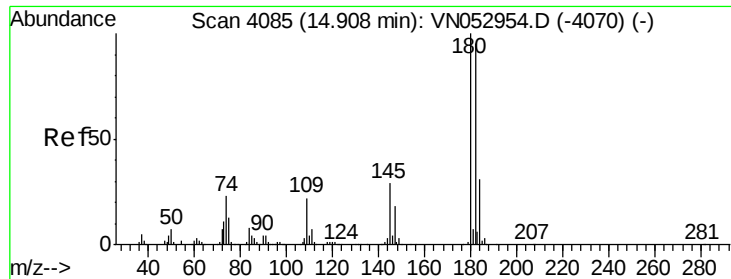
MMDadoda
 12/21/2018 9:20:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.852 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053048.D
 Acq: 20 Dec 2018 11:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	48.2	144.6
157	127.2	61.2	183.5





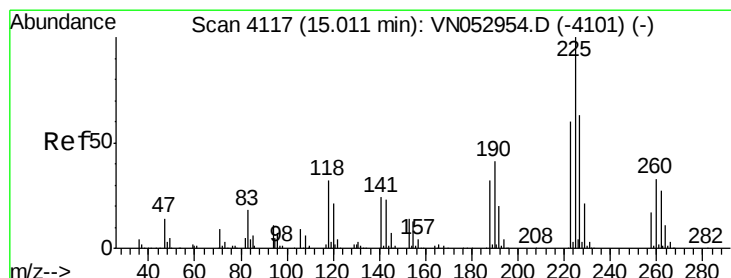
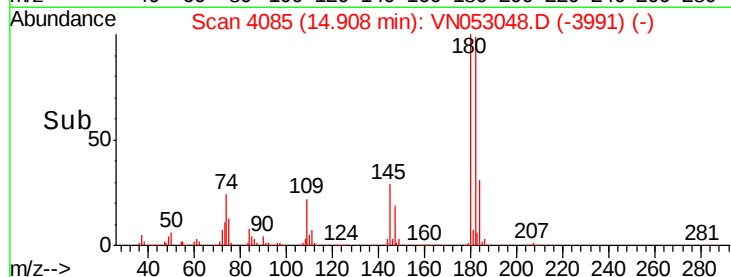
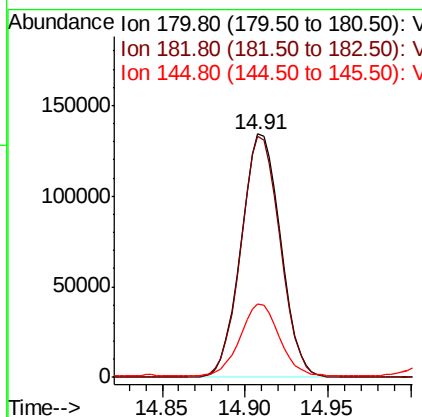
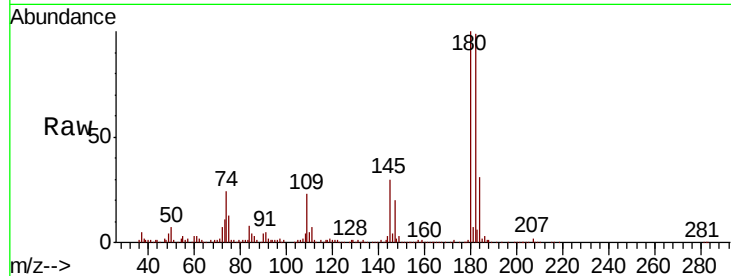
#93
 1,2,4-Trichlorobenzene
 Concen: 19.423 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053048.D
 Acq: 20 Dec 2018 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	223038		
182	98.0	47.8	143.3	
145	29.1	14.2	42.6	

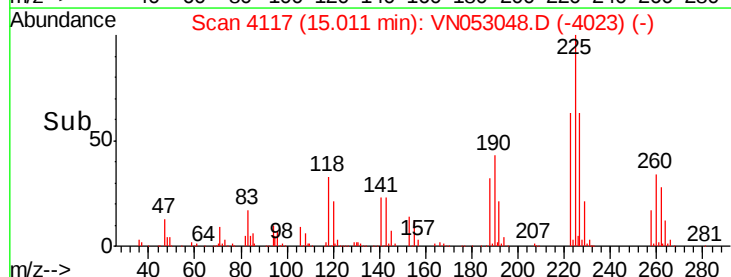
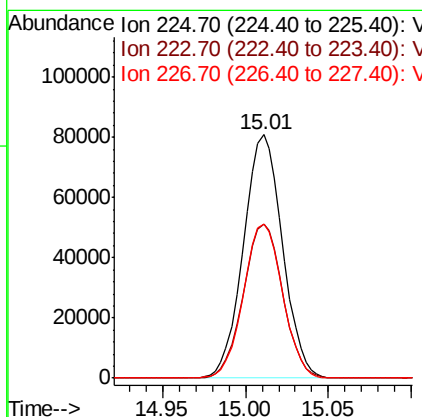
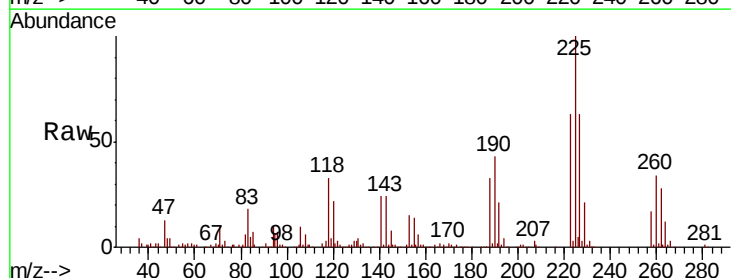
Manual Integrations
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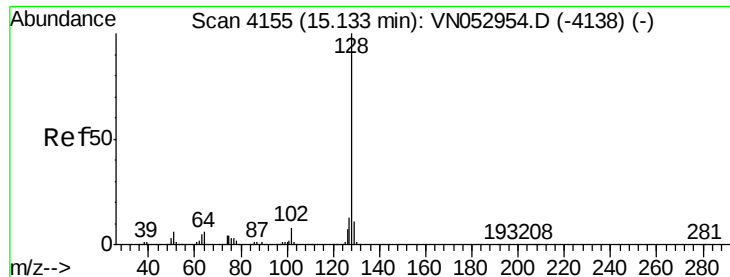
MMDadoda
 12/21/2018 9:20:50 AM



#94
 Hexachlorobutadiene
 Concen: 20.099 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053048.D
 Acq: 20 Dec 2018 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	132226		
223	63.8	31.5	94.5	
227	63.5	31.9	95.7	





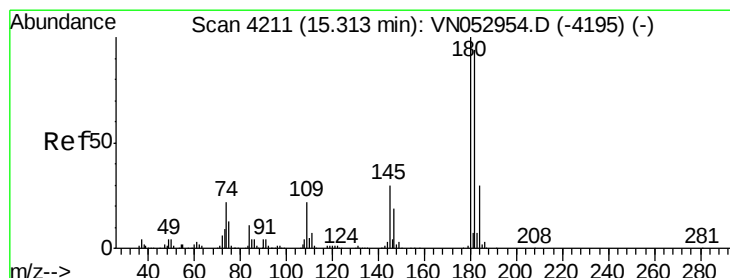
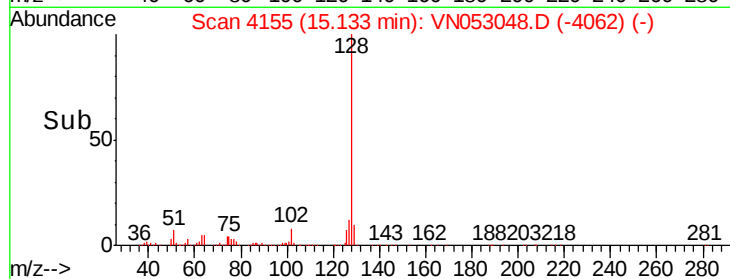
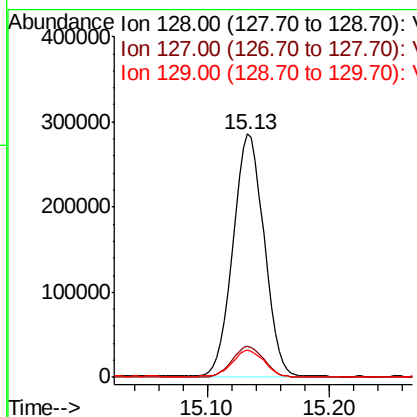
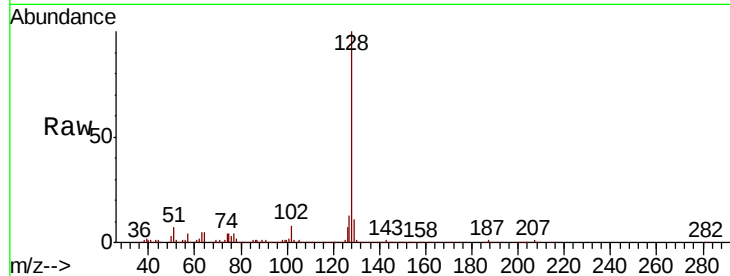
#95
Naphthalene
Concen: 20.277 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBS01

Tot Ion:	128	Resp:	502046
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
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12/21/2018 9:20:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.680 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053048.D
Acq: 20 Dec 2018 11:27

Tgt Ion:	180	Resp:	204169
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.9	143.7
145	31.3	15.0	45.0

