

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053009.D
 Acq On : 19 Dec 2018 14:23
 Operator : MD\SY
 Sample : VN1219MBS01
 Misc : 5.00uL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS01

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 9:34:52 AM

Quant Time: Dec 20 06:27:28 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	1064289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1643177	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1449373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	657531	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	593064	54.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.82%	
35) Dibromofluoromethane	7.59	113	449825	59.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.86%	
50) Toluene-d8	10.09	98	2148922	53.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.66%	
62) 4-Bromofluorobenzene	12.40	95	732166	51.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	209255	19.427	ug/l	100
3) Chloromethane	2.06	50	259267	19.863	ug/l	100
4) Vinyl Chloride	2.19	62	263258	19.915	ug/l	99
5) Bromomethane	2.58	94	167276	18.264	ug/l	100
6) Chloroethane	2.71	64	154813	19.774	ug/l	97
7) Trichlorofluoromethane	3.03	101	327330	19.877	ug/l	97
8) Diethyl Ether	3.42	74	126998	20.442	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	204693	19.495	ug/l	98
10) Methyl Iodide	3.96	142	288641	19.575	ug/l	98
11) Tert butyl alcohol	4.78	59	67790	102.867	ug/l	98
12) 1,1-Dichloroethene	3.74	96	200180	19.734	ug/l	98
13) Acrolein	3.61	56	72946	122.076	ug/l	97
14) Allyl chloride	4.33	41	325127	20.692	ug/l	96
15) Acrylonitrile	4.99	53	372145	101.648	ug/l	99
16) Acetone	3.82	43	233156	110.102	ug/l	97
17) Carbon Disulfide	4.06	76	576546	17.428	ug/l	100
18) Methyl Acetate	4.33	43	188830	20.249	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	559354	20.605	ug/l	100
20) Methylene Chloride	4.55	84	229727	19.887	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	215643	19.786	ug/l	97
22) Diisopropyl ether	5.95	45	696803	20.776	ug/l	99
23) Vinyl Acetate	5.90	43	2025255	105.011	ug/l	99
24) 1,1-Dichloroethane	5.85	63	405047	20.324	ug/l	99
25) 2-Butanone	6.83	43	389893	109.708	ug/l	96
26) 2,2-Dichloropropane	6.83	77	269958	17.744	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	248113	20.108	ug/l	98
28) Bromochloromethane	7.19	49	190383	22.045	ug/l	96
29) Tetrahydrofuran	7.21	42	280621	105.723	ug/l	99
30) Chloroform	7.37	83	396353	20.245	ug/l	99
31) Cyclohexane	7.66	56	384064	19.915	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	327081	19.611	ug/l	100
36) 1,1-Dichloropropene	7.79	75	303748	19.259	ug/l	100
37) Ethyl Acetate	6.93	43	189792	21.556	ug/l	98
38) Carbon Tetrachloride	7.77	117	279054	19.303	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053009.D
 Acq On : 19 Dec 2018 14:23
 Operator : MD\SY
 Sample : VN1219MBS01
 Misc : 5.00uL/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS01

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 9:34:52 AM

Quant Time: Dec 20 06:27:28 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)
39) Methylcyclohexane	9.08	83	357077	18.637	ug/l	100
40) Benzene	8.04	78	935444	19.940	ug/l	100
41) Methacrylonitrile	7.17	41	100786	19.812	ug/l	98
42) 1,2-Dichloroethane	8.12	62	277636	20.033	ug/l	99
43) Isopropyl Acetate	8.16	43	355802	20.261	ug/l	99
44) Trichloroethene	8.83	130	263318	19.406	ug/l	98
45) 1,2-Dichloropropane	9.12	63	248039	20.299	ug/l	100
46) Dibromomethane	9.21	93	141932	19.939	ug/l	99
47) Bromodichloromethane	9.40	83	293996	19.430	ug/l	98
48) Methyl methacrylate	9.20	41	173474	20.304	ug/l	99
49) 1,4-Dioxane	9.20	88	43283	400.497	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	907819	106.471	ug/l	99
52) Toluene	10.16	92	575206	19.782	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	291211	18.302	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	350697	19.202	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	204245	20.134	ug/l	97
56) Ethyl methacrylate	10.43	69	269614	20.080	ug/l	97
57) 1,3-Dichloropropane	10.71	76	354338	20.369	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	781624	106.036	ug/l	99
59) 2-Hexanone	10.75	43	601624	104.288	ug/l	99
60) Dibromochloromethane	10.90	129	221756	19.097	ug/l	99
61) 1,2-Dibromoethane	11.01	107	203691	19.771	ug/l	100
64) Tetrachloroethene	10.63	164	299270	19.062	ug/l	99
65) Chlorobenzene	11.43	112	627880	19.543	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	215739	19.310	ug/l	99
67) Ethyl Benzene	11.51	91	1078304	19.516	ug/l	100
68) m/p-Xylenes	11.62	106	822585	39.162	ug/l	100
69) o-Xylene	11.95	106	399857	19.838	ug/l	100
70) Styrene	11.96	104	646229	19.663	ug/l	99
71) Bromoform	12.13	173	146894	18.200	ug/l	100
73) Isopropylbenzene	12.25	105	1054701	20.501	ug/l	100
74) N-amyl acetate	12.07	43	296570	20.763	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	218831	21.682	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	199348m	18.010	ug/l	
77) Bromobenzene	12.53	156	274613	20.535	ug/l	97
78) n-propylbenzene	12.59	91	1176871	20.086	ug/l	99
79) 2-Chlorotoluene	12.67	91	706139	19.443	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	838487	19.996	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	62695	18.256	ug/l	97
82) 4-Chlorotoluene	12.77	91	704537	19.817	ug/l	99
83) tert-Butylbenzene	12.99	119	746170	20.120	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	848222	20.122	ug/l	100
85) sec-Butylbenzene	13.17	105	971981	19.377	ug/l	100
86) p-Isopropyltoluene	13.29	119	842359	19.434	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	462508	19.541	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	451734	18.847	ug/l	99
89) n-Butylbenzene	13.62	91	670167	17.972	ug/l	99
90) Hexachloroethane	13.88	117	118233	17.775	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	437630	19.646	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33641	19.277	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
Data File : VN053009.D
Acq On : 19 Dec 2018 14:23
Operator : MD\SY
Sample : VN1219MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 14 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

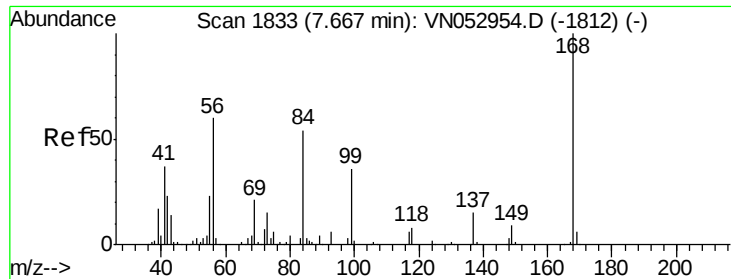
Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:52 AM

Quant Time: Dec 20 06:27:28 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)
93) 1,2,4-Trichlorobenzene	14.91	180	213249	18.450	ug/l	100
94) Hexachlorobutadiene	15.01	225	126861	18.979	ug/l	98
95) Naphthalene	15.13	128	465526	18.741	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	196444	18.804	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: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS01

Tot Ion:168 Resp: 1064289

Ion Ratio Lower Upper

168 100

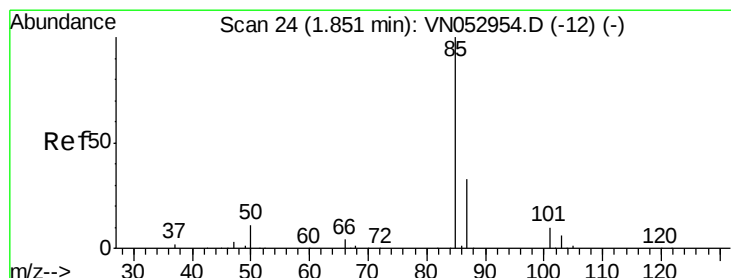
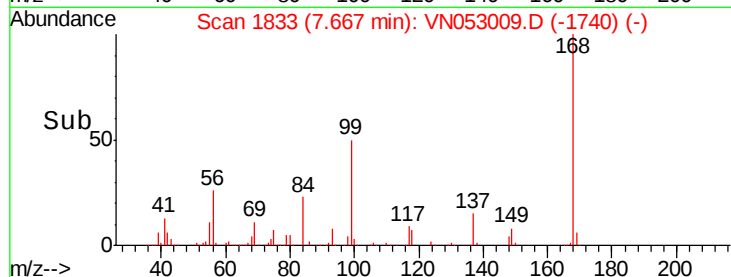
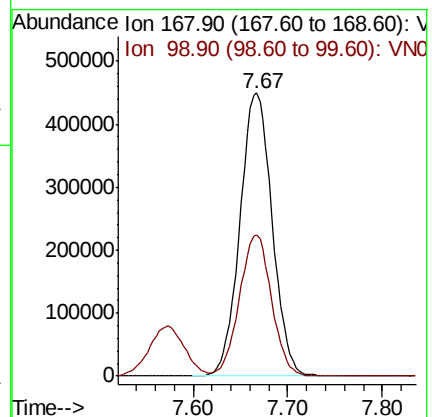
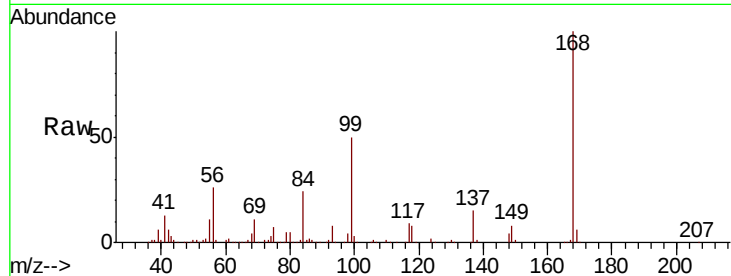
99 50.0 40.2 60.2

Manual Integrations

APPROVED

MMDadoda

12/20/2018 9:34:52 AM



#2

Dichlorodifluoromethane

Concen: 19.427 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053009.D

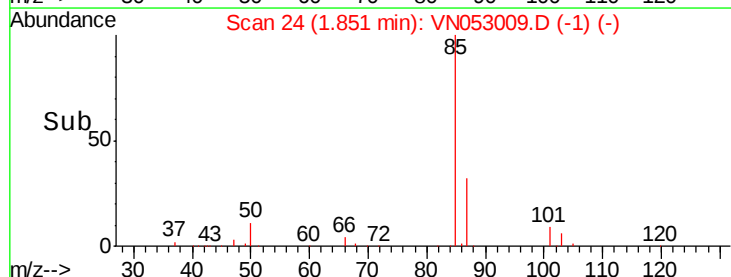
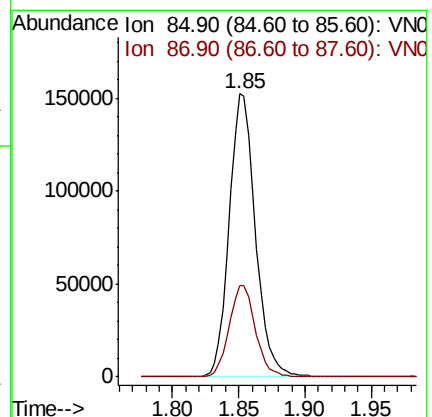
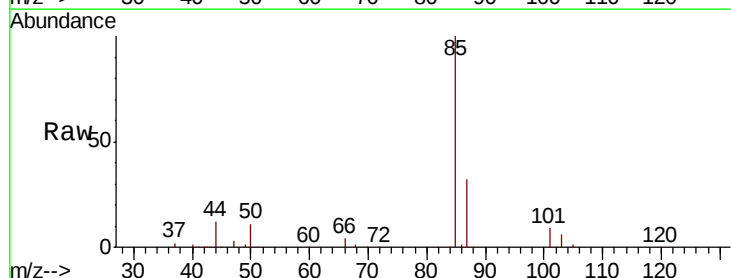
Acq: 19 Dec 2018 14:23

Tgt Ion: 85 Resp: 209255

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8





#3

Chloromethane

Concen: 19.863 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS01

Tot Ion: 50 Resp: 259267

Ion Ratio Lower Upper

50 100

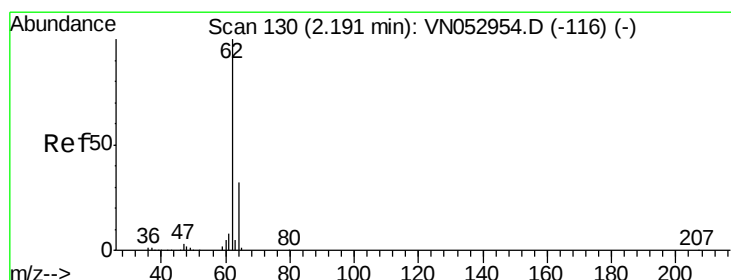
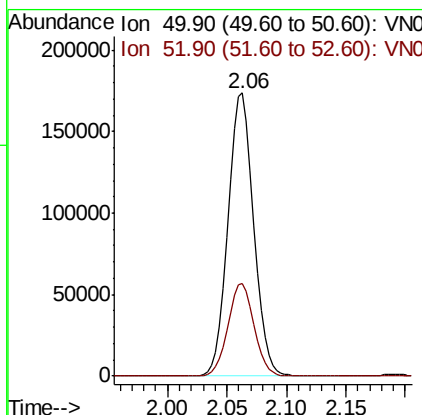
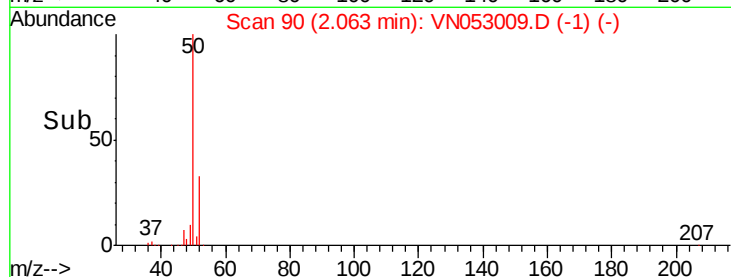
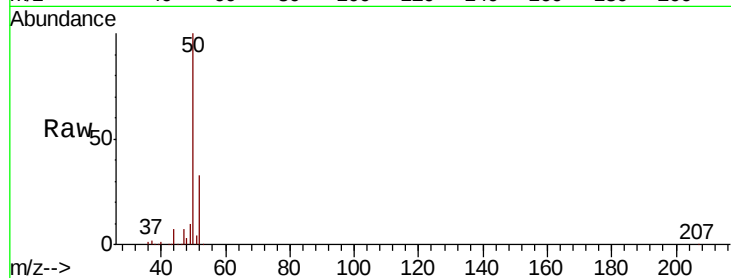
52 32.6 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

12/20/2018 9:34:52 AM



#4

Vinyl Chloride

Concen: 19.915 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053009.D

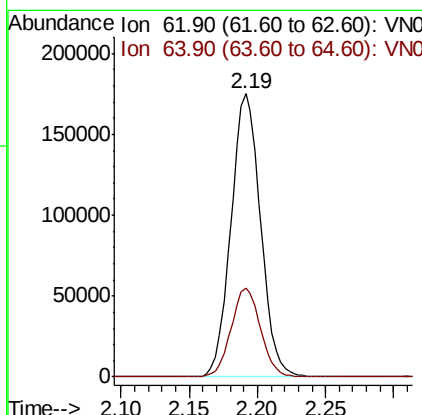
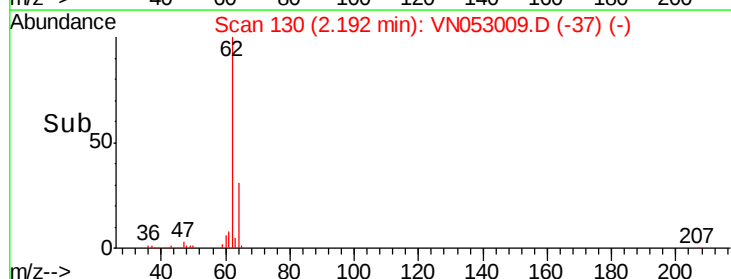
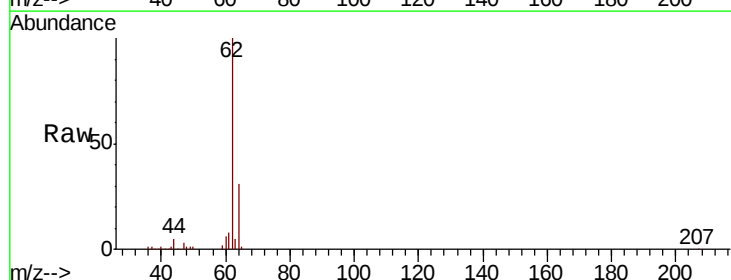
Acq: 19 Dec 2018 14:23

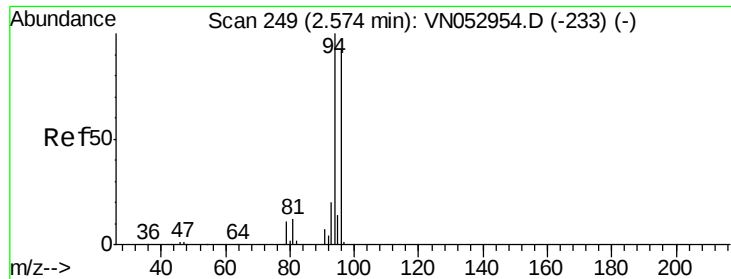
Tgt Ion: 62 Resp: 263258

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 18.264 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS01

Tot Ion: 94 Resp: 167276

Ion Ratio Lower Upper

94 100

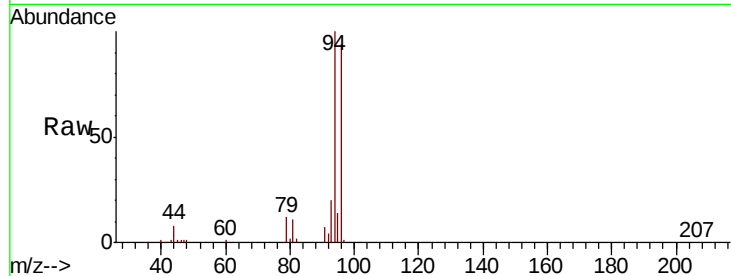
96 93.8 75.0 112.4

Manual Integrations

APPROVED

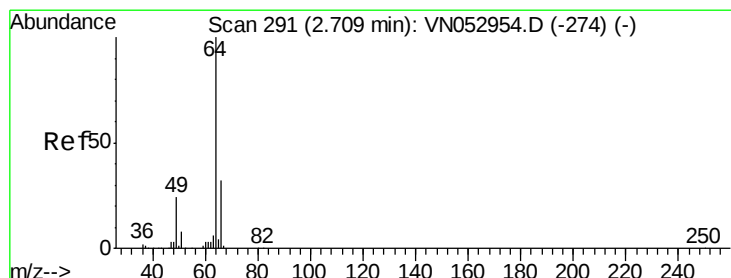
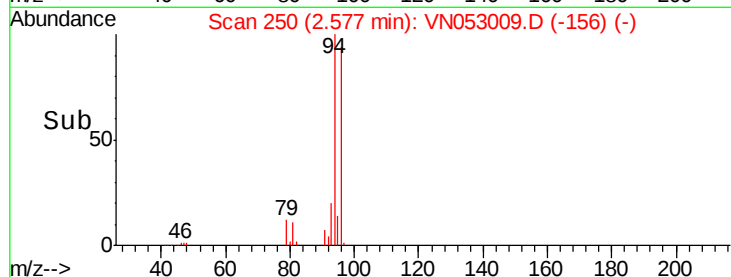
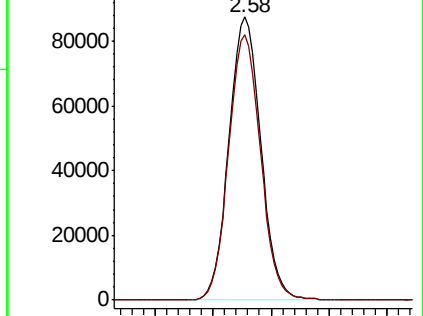
MMDadoda

12/20/2018 9:34:52 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.774 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053009.D

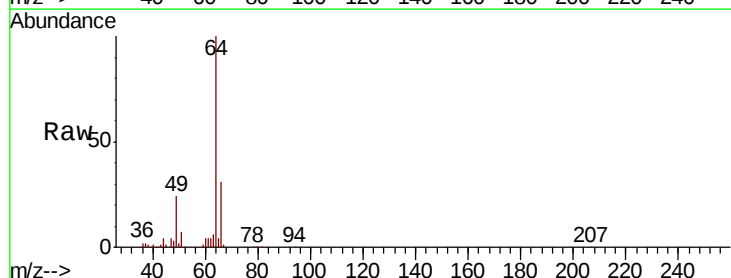
Acq: 19 Dec 2018 14:23

Tgt Ion: 64 Resp: 154813

Ion Ratio Lower Upper

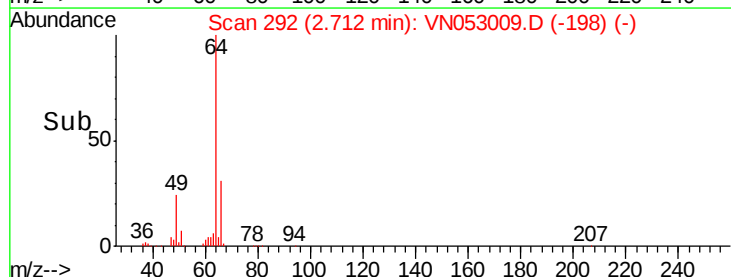
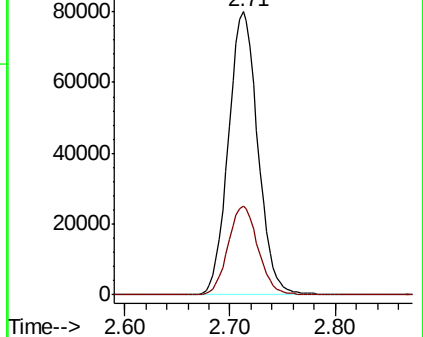
64 100

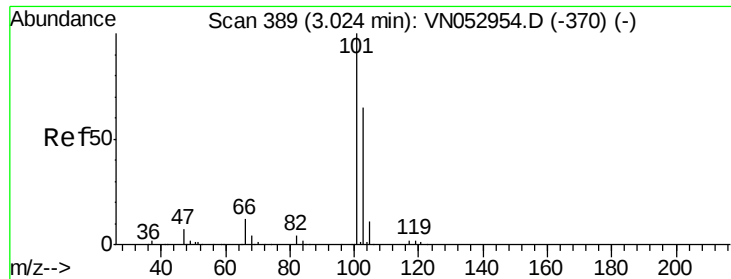
66 31.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

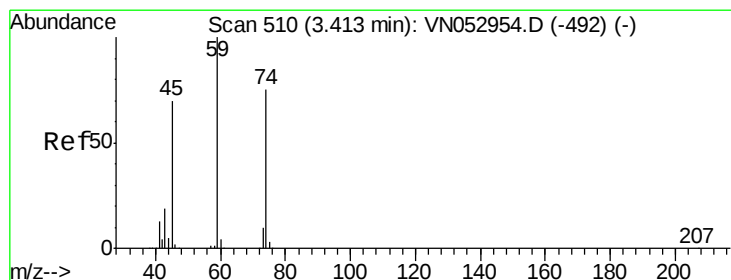
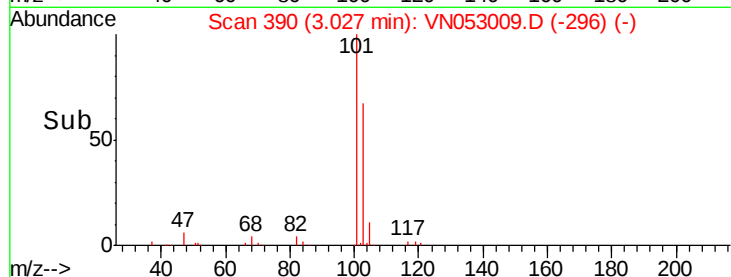
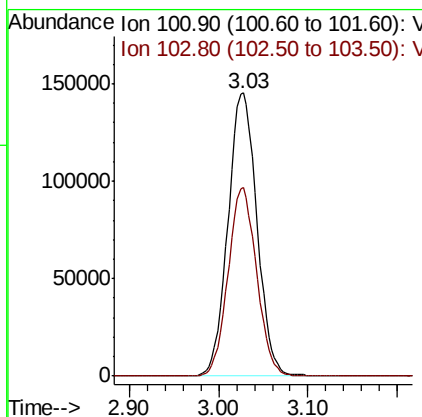
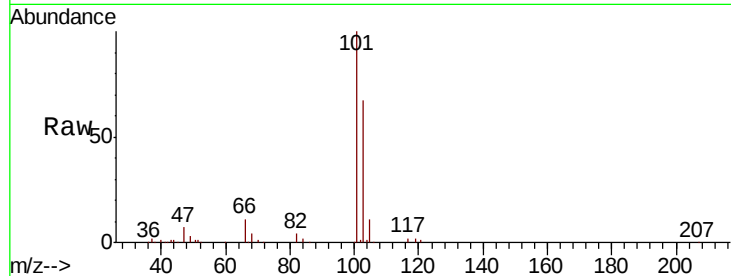
Trichlorofluoromethane
Concen: 19.877 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.8	77.6

Manual Integrations
APPROVED

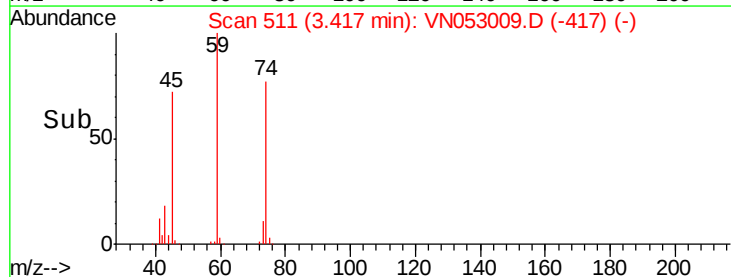
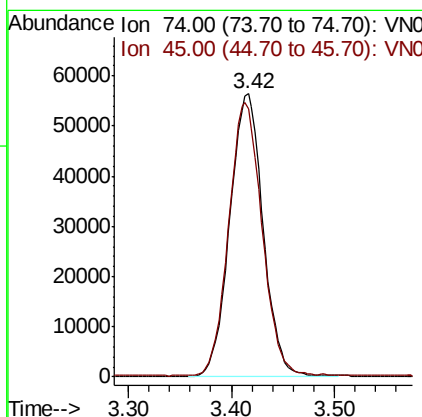
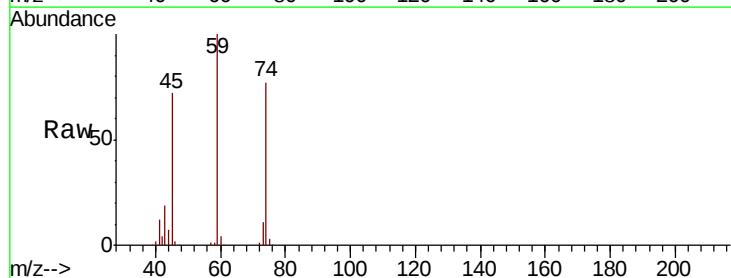
MMDadoda
12/20/2018 9:34:52 AM

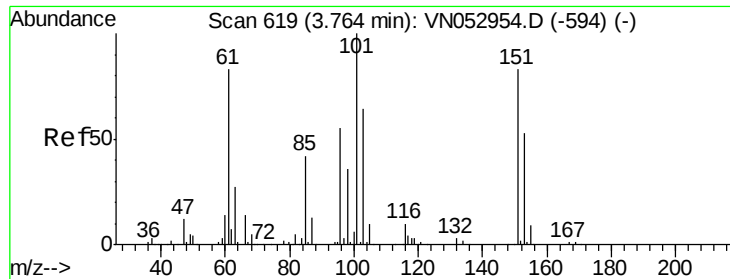


#8

Diethyl Ether
Concen: 20.442 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.495 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

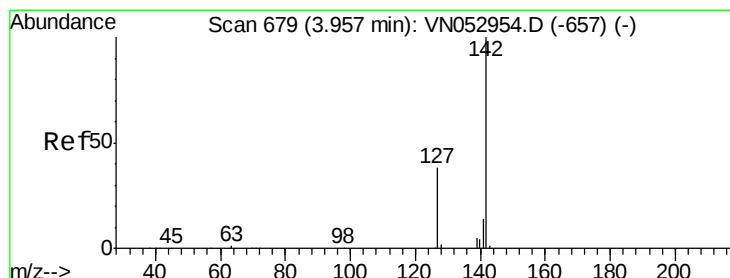
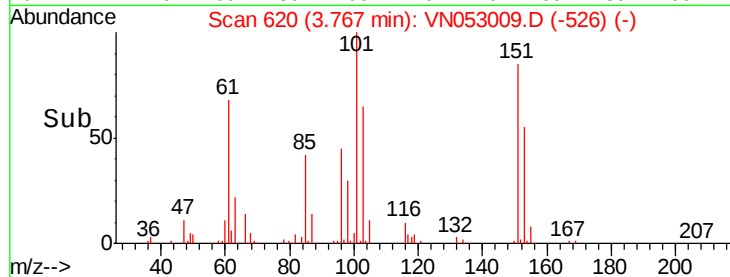
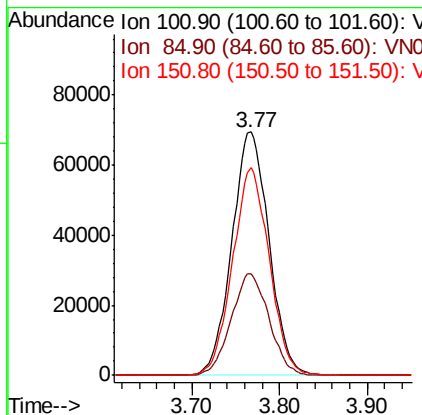
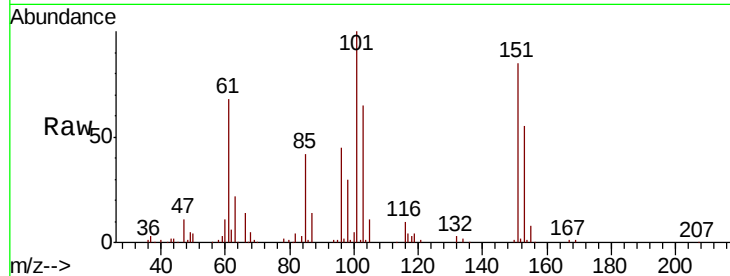
ClientSampleId :

VN1219MBS01

Tot Ion:	101	Resp:	204693
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.6	50.4
151	84.3	65.5	98.3

Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:52 AM



#10

Methyl Iodide

Concen: 19.575 ug/l

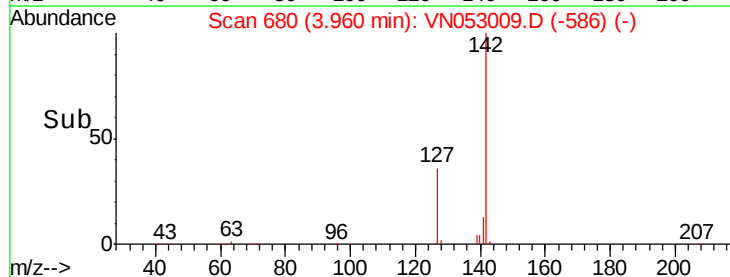
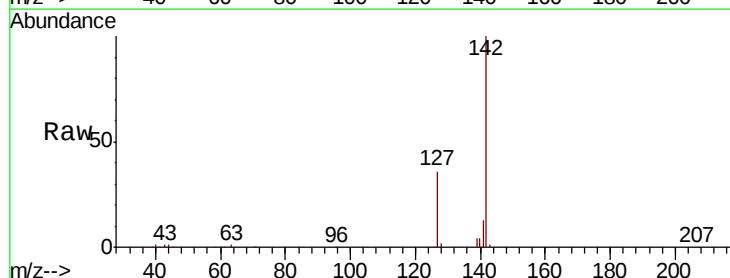
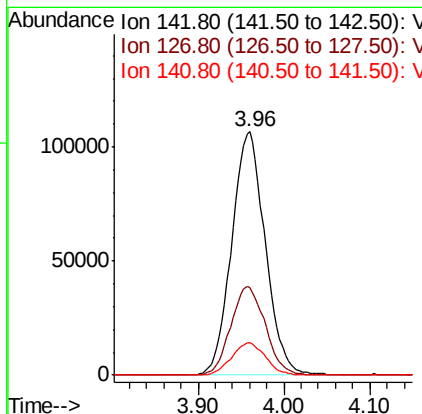
RT: 3.96 min Scan# 680

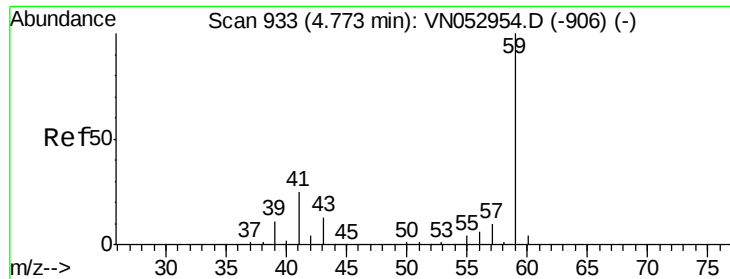
Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Tgt Ion:	142	Resp:	288641
Ion Ratio	Lower	Upper	
142	100		
127	37.5	31.0	46.6
141	13.5	11.2	16.8





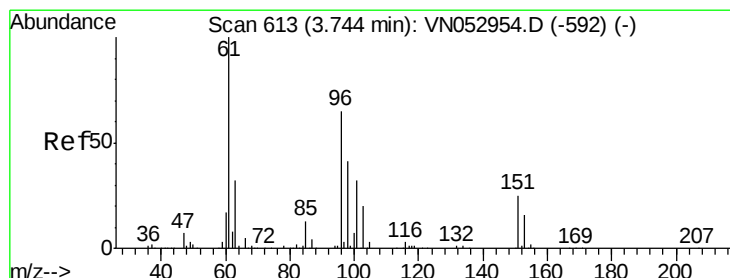
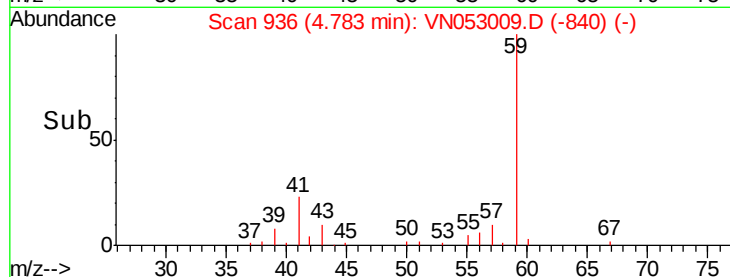
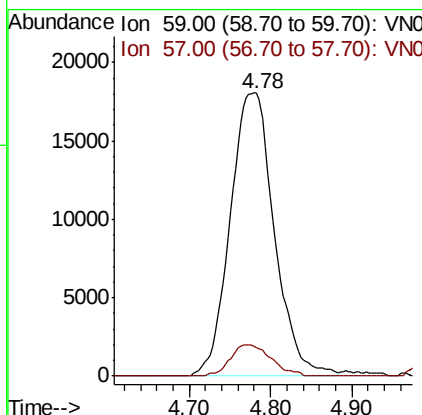
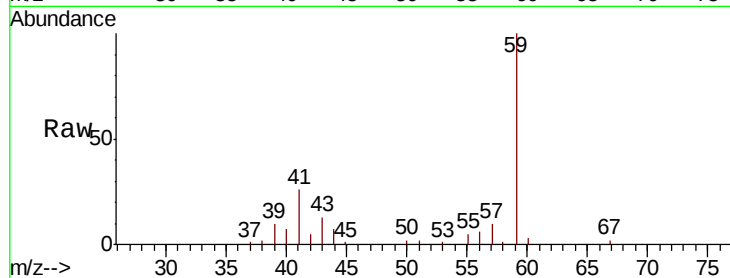
#11
Tert butyl alcohol
Concen: 102.867 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion: 59 Resp: 67790
Ion Ratio Lower Upper
59 100
57 10.4 7.7 11.5

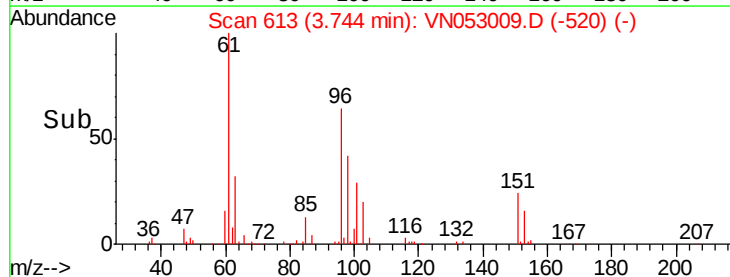
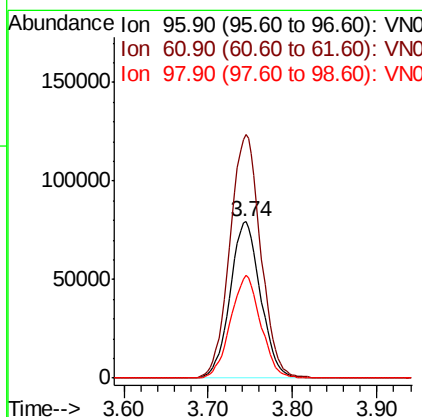
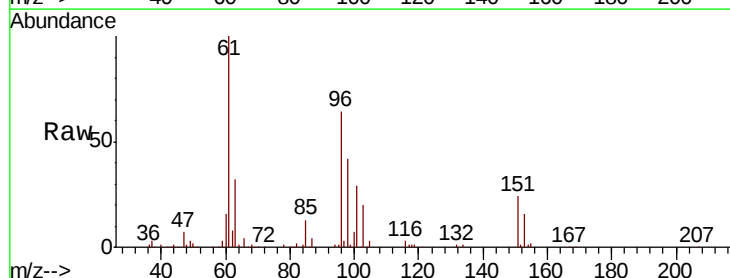
Manual Integrations
APPROVED

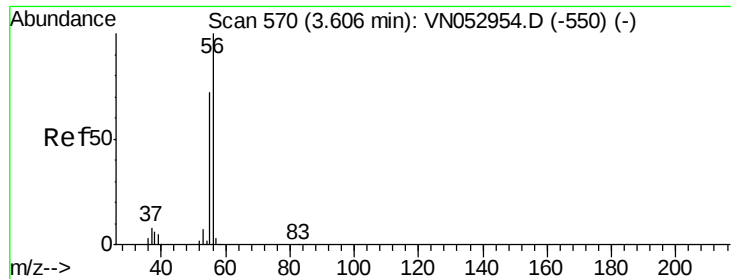
MMDadoda
12/20/2018 9:34:52 AM



#12
1,1-Dichloroethene
Concen: 19.734 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion: 96 Resp: 200180
Ion Ratio Lower Upper
96 100
61 155.8 125.6 188.4
98 65.6 50.6 75.8





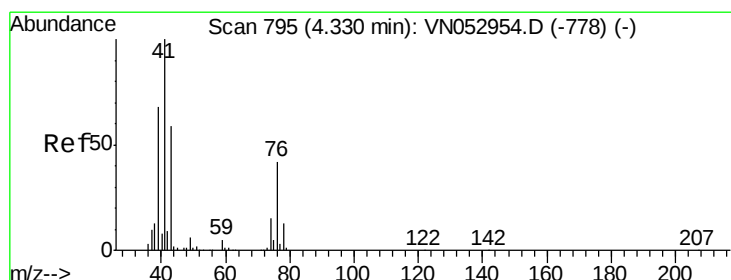
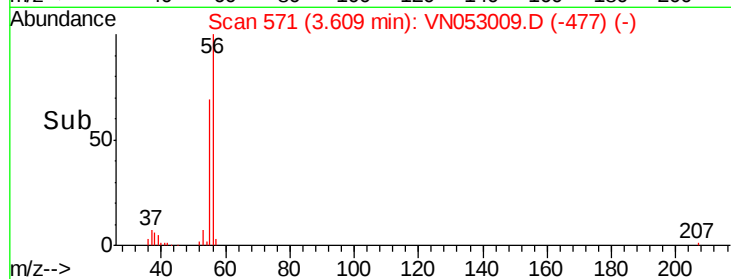
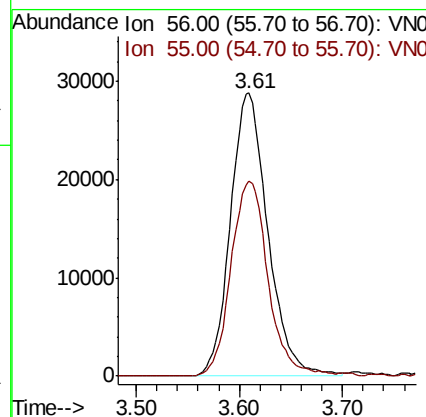
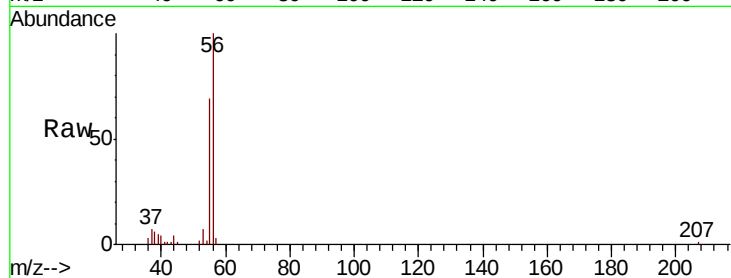
#13
Acrolein
Concen: 122.076 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion	56	Resp	72946
Ion Ratio	Lower	Upper	
56	100		
55	68.2	56.6	85.0

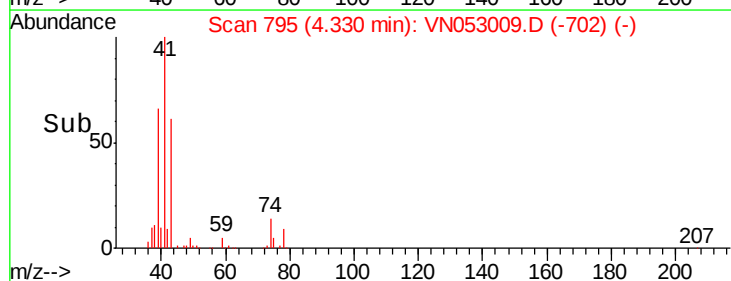
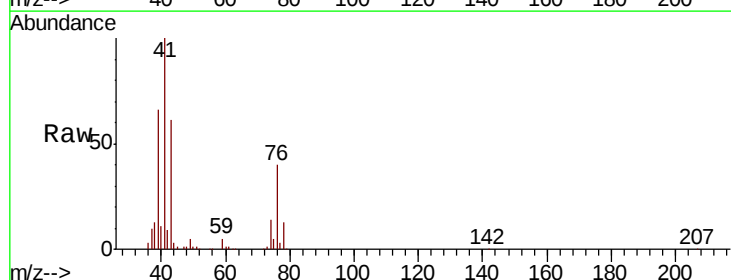
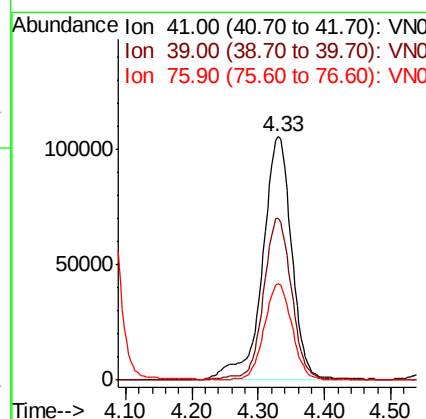
Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:52 AM



#14
Allyl chloride
Concen: 20.692 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion	41	Resp	325127
Ion Ratio	Lower	Upper	
41	100		
39	63.8	54.1	81.1
76	36.5	30.3	45.5





#15

Acrylonitrile

Concen: 101.648 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

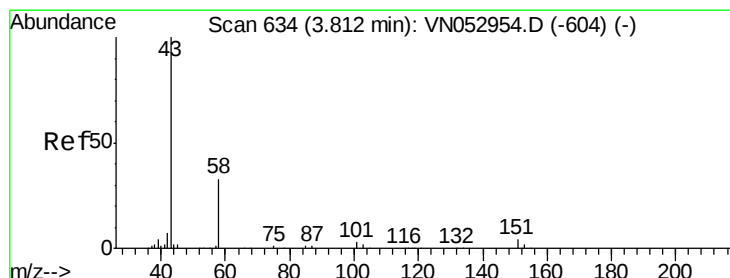
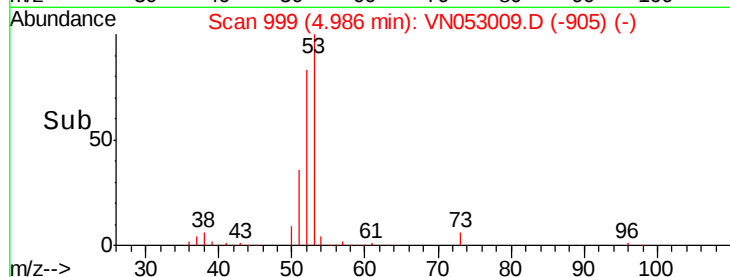
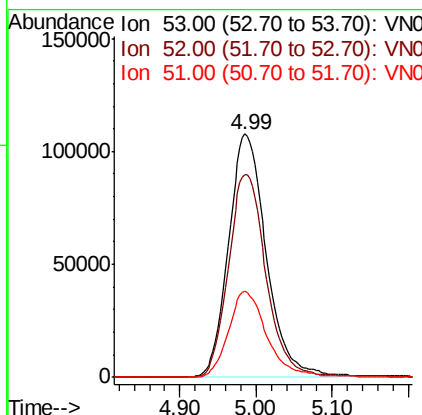
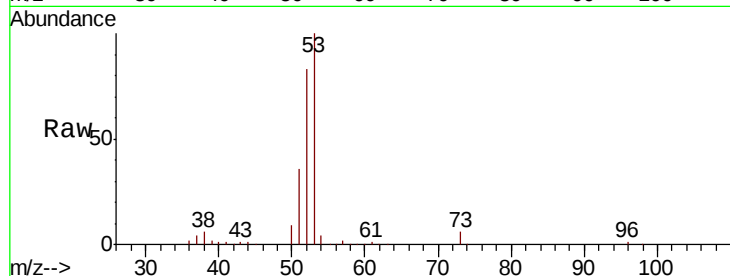
ClientSampleId :

VN1219MBS01

Tot Ion:	53	Resp:	372145
Ion Ratio		Lower	Upper
53	100		
52	82.6	65.1	97.7
51	35.9	28.1	42.1

Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:52 AM



#16

Acetone

Concen: 110.102 ug/l

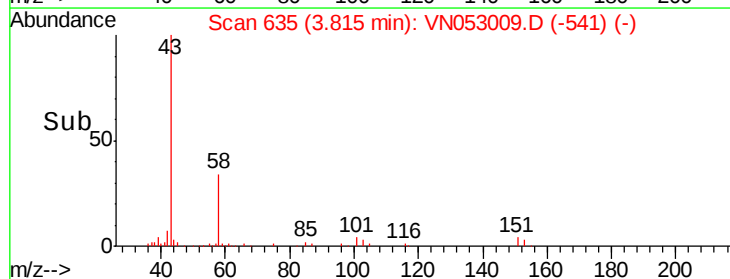
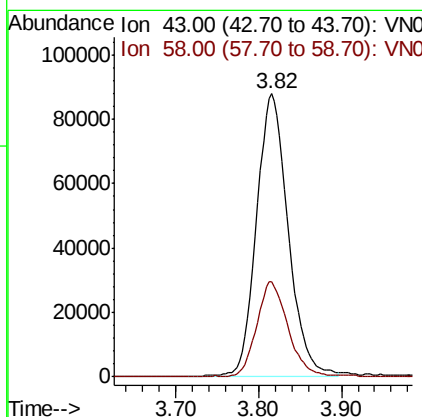
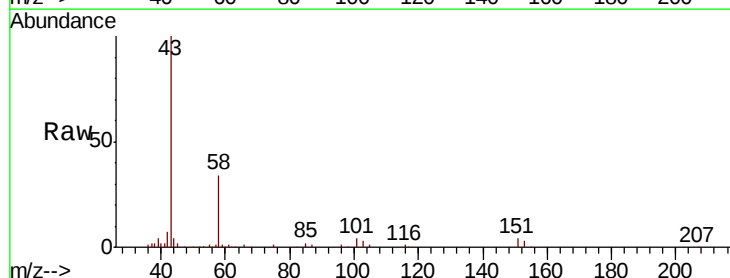
RT: 3.82 min Scan# 635

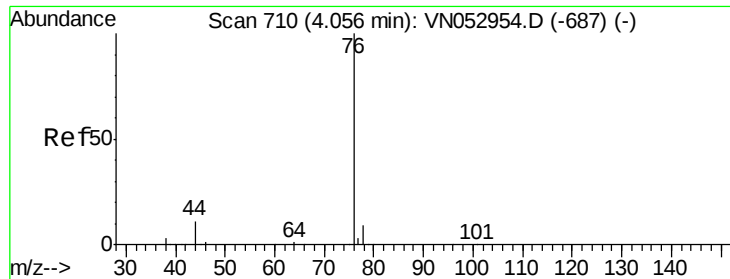
Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Tgt Ion:	43	Resp:	233156
Ion Ratio		Lower	Upper
43	100		
58	33.4	25.4	38.0





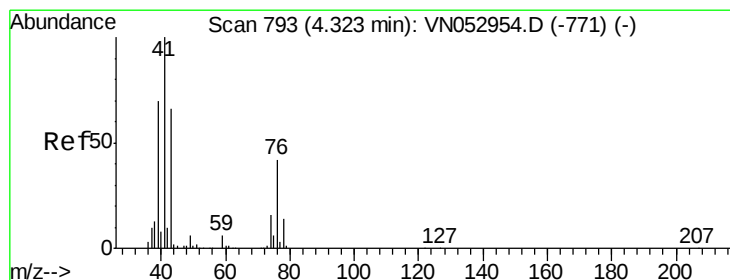
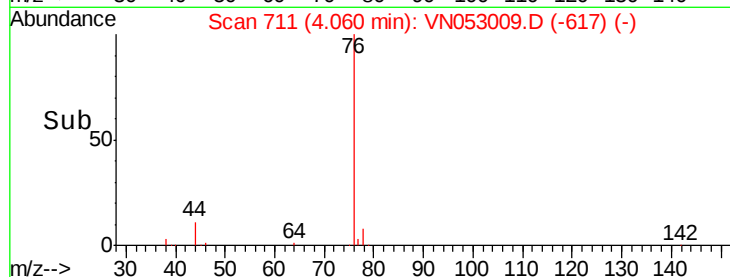
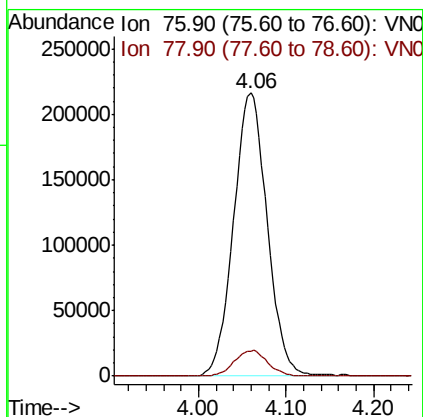
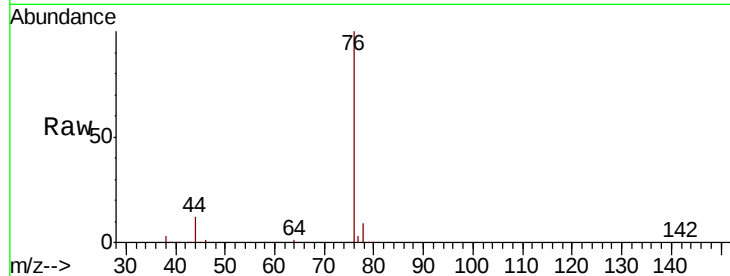
#17
Carbon Disulfide
Concen: 17.428 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

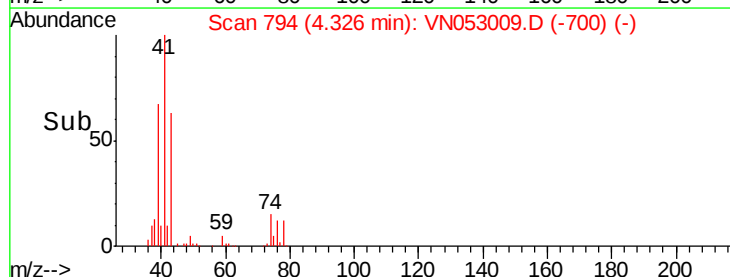
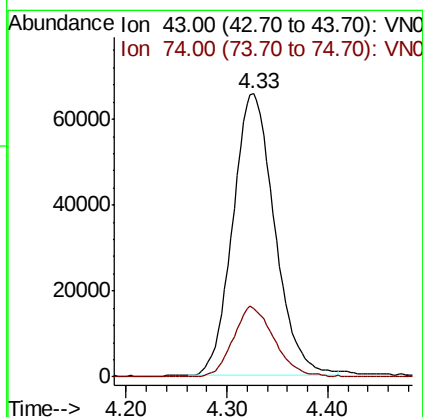
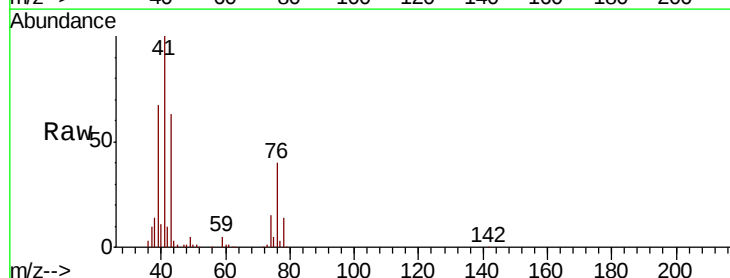
Manual Integrations
APPROVED

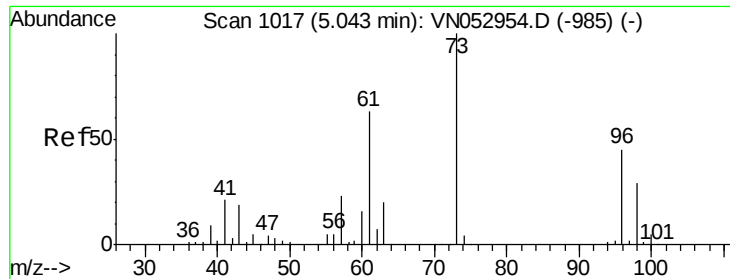
MMDadoda
12/20/2018 9:34:52 AM



#18
Methyl Acetate
Concen: 20.249 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.2	28.8





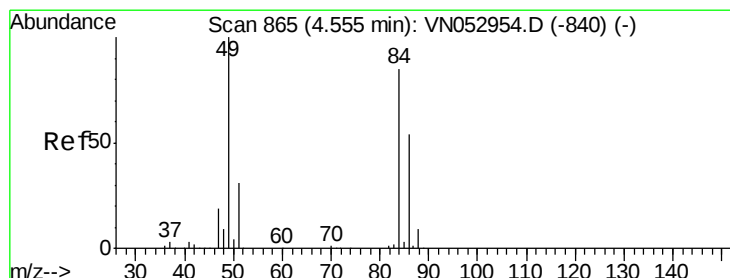
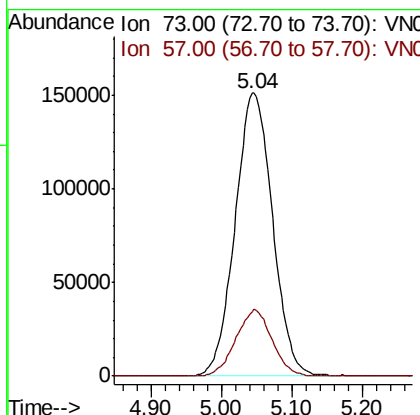
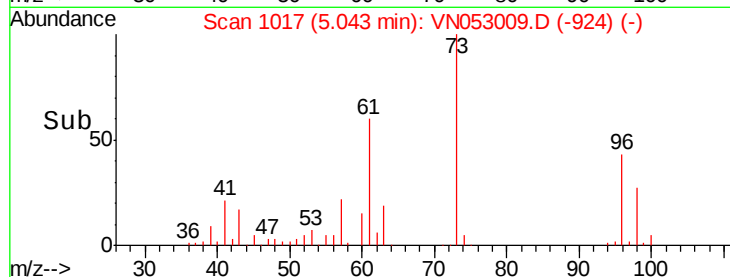
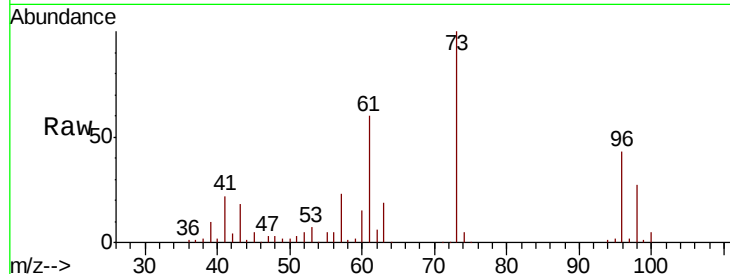
#19
Methvl tert-butvl Ether
Concen: 20.605 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion: 73 Resp: 559354
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6

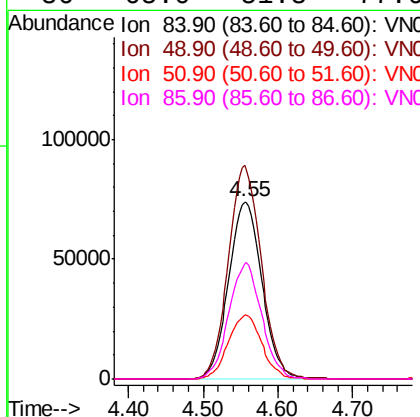
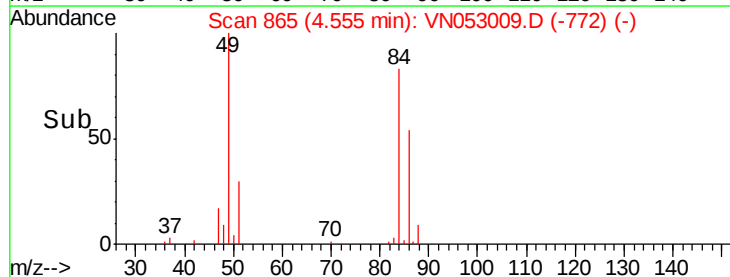
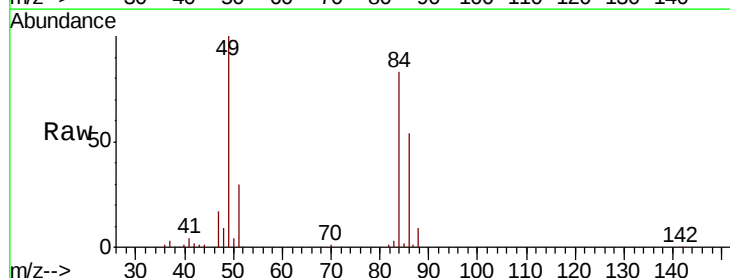
Manual Integrations
APPROVED

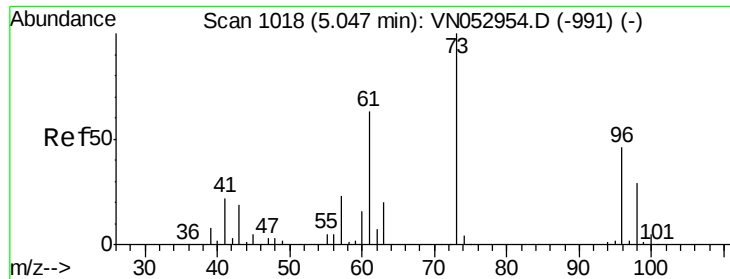
MMDadoda
12/20/2018 9:34:52 AM



#20
Methylene Chloride
Concen: 19.887 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion: 84 Resp: 229727
Ion Ratio Lower Upper
84 100
49 120.8 96.8 145.2
51 36.3 29.9 44.9
86 65.0 51.8 77.6





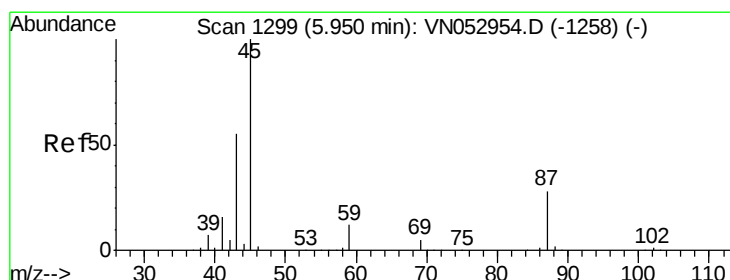
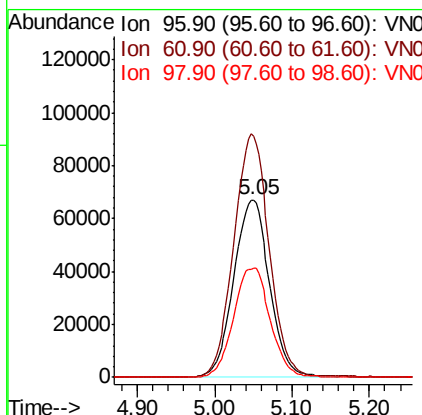
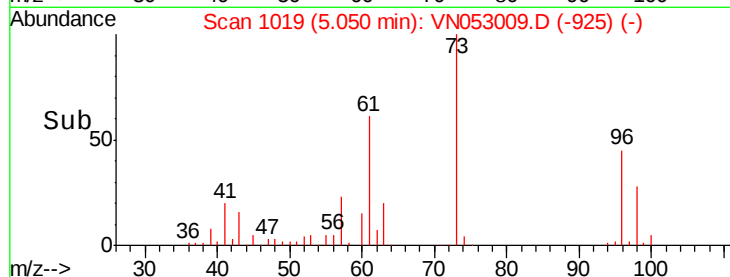
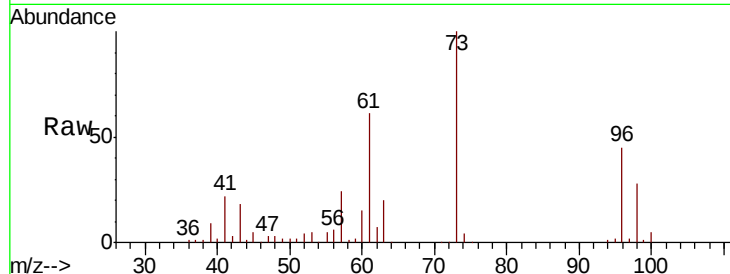
#21
trans-1,2-Dichloroethene
Concen: 19.786 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.9	110.8	166.2
98	61.5	51.4	77.2

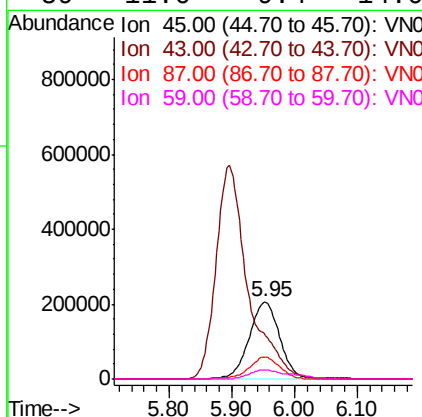
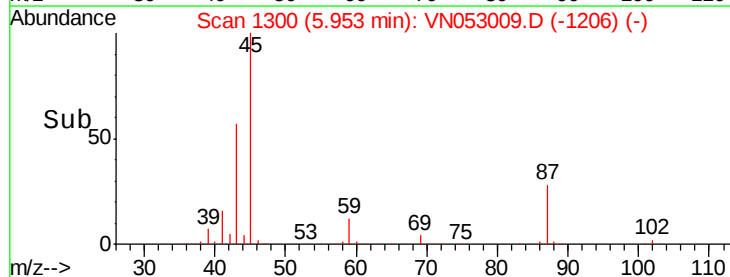
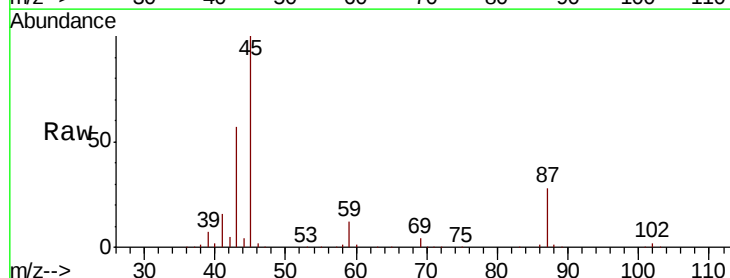
Manual Integrations
APPROVED

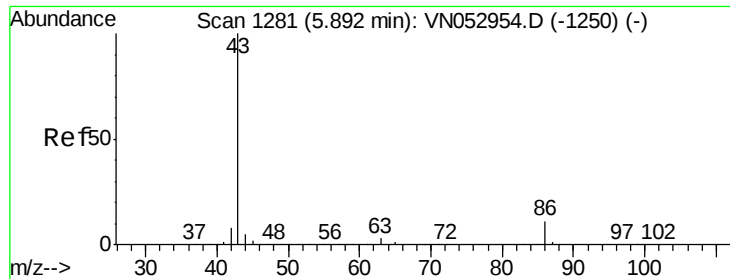
MMDadoda
12/20/2018 9:34:52 AM



#22
Diisopropyl ether
Concen: 20.776 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.9	45.5	68.3
87	28.3	22.0	33.0
59	11.6	9.4	14.0





#23

Vinyl Acetate

Concen: 105.011 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

ClientSampleID :

VN1219MBS01

Tot Ion: 43 Resp: 2025255

Ion Ratio Lower Upper

43 100

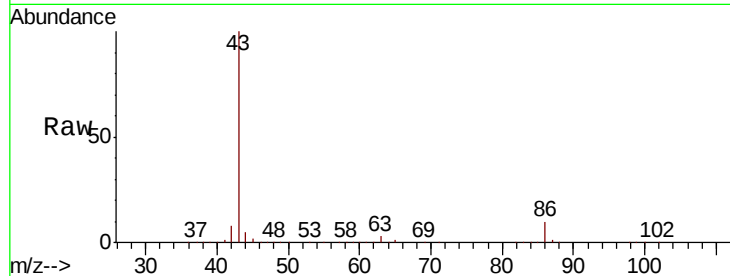
86 10.4 8.1 12.1

Manual Integrations

APPROVED

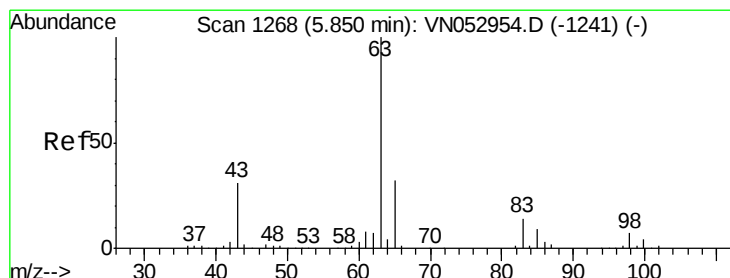
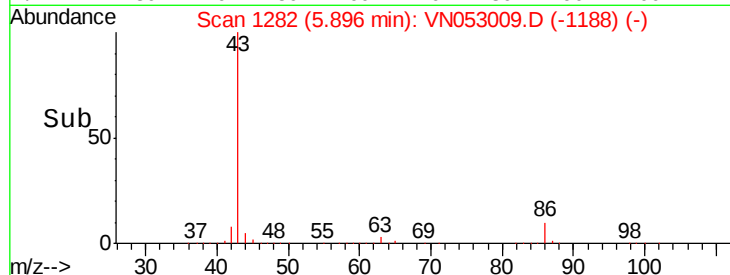
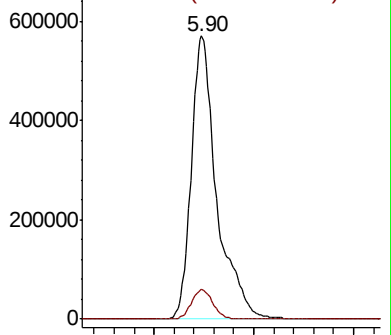
MMDadoda

12/20/2018 9:34:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.324 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

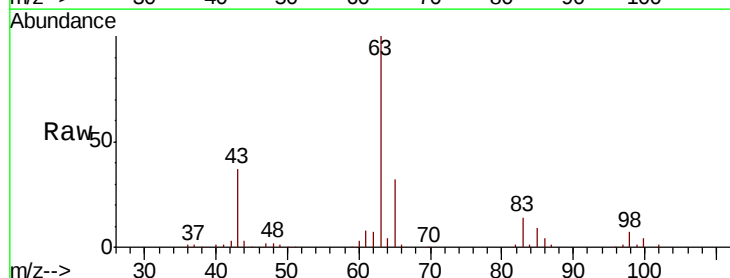
Tgt Ion: 63 Resp: 405047

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

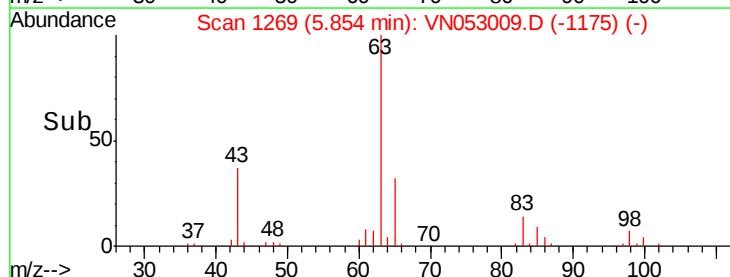
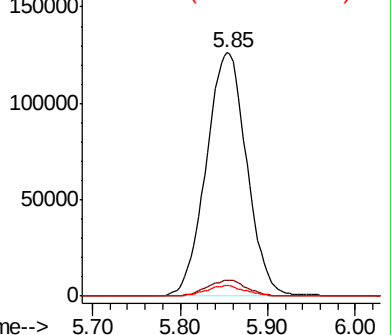
100 4.2 2.0 5.8

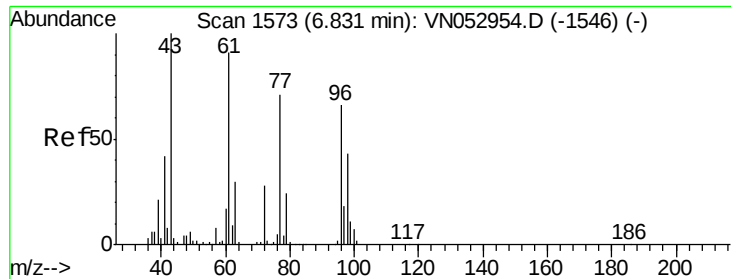


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





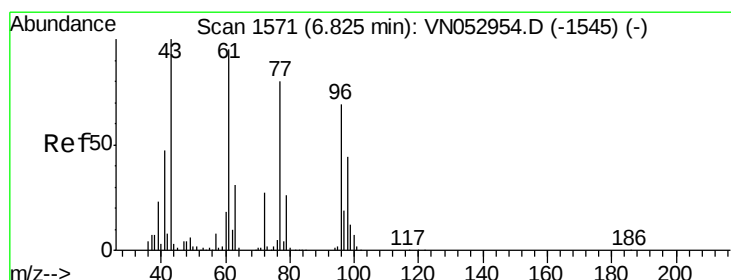
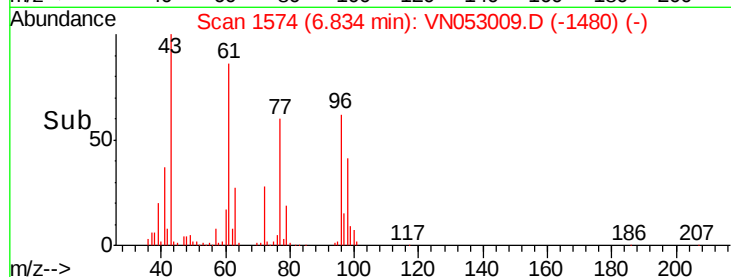
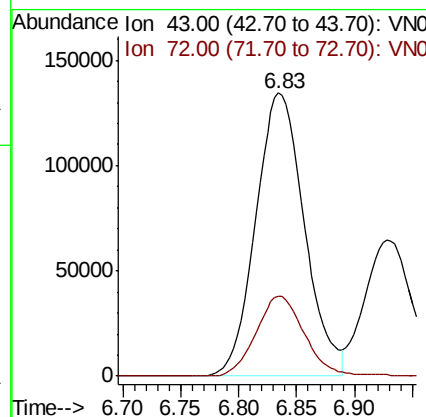
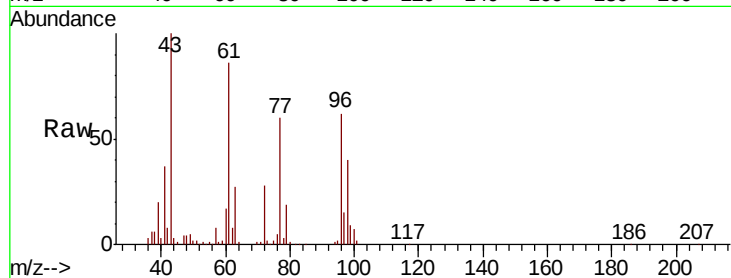
#25
2-Butanone
Concen: 109.708 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion: 43 Resp: 389893
Ion Ratio Lower Upper
43 100
72 28.2 21.0 31.6

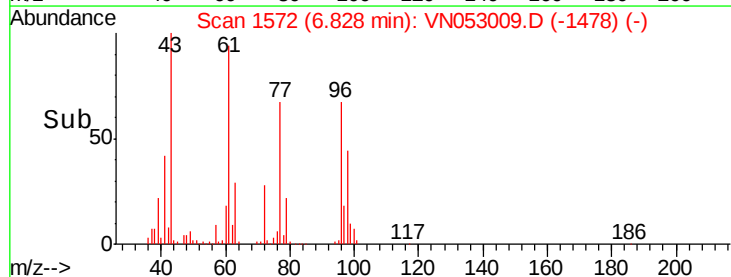
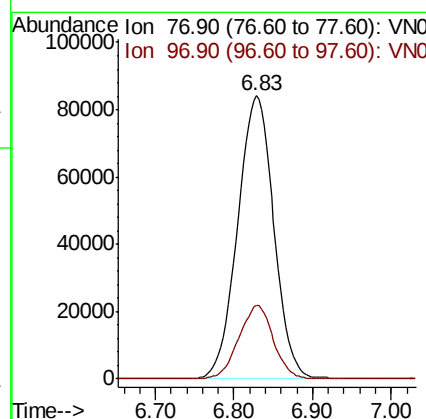
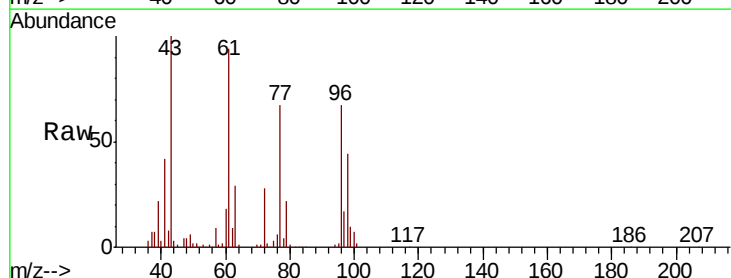
Manual Integrations
APPROVED

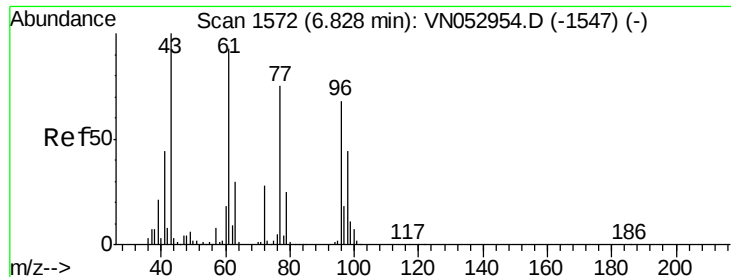
MMDadoda
12/20/2018 9:34:52 AM



#26
2,2-Dichloropropane
Concen: 17.744 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion: 77 Resp: 269958
Ion Ratio Lower Upper
77 100
97 24.8 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.108 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

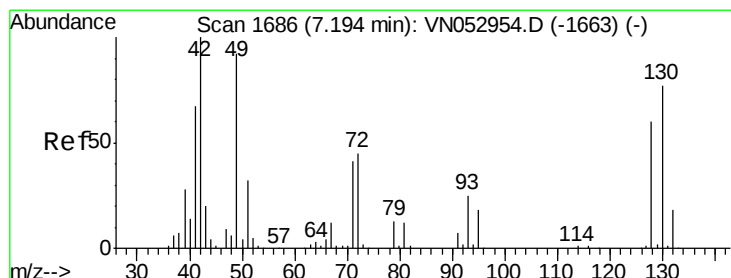
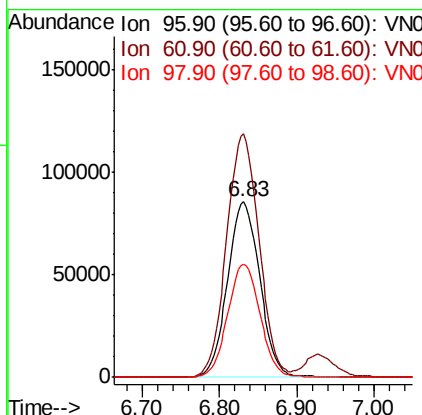
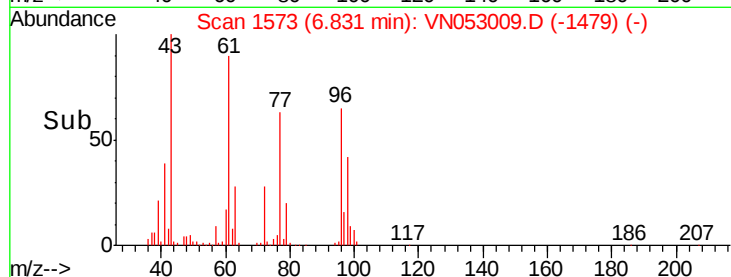
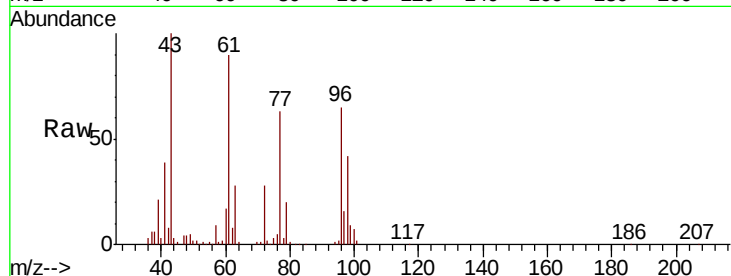
ClientSampleId :

VN1219MBS01

Tot Ion:	96	Resp:	248113
Ion Ratio	Lower	Upper	
96	100		
61	139.2	0.0	284.2
98	64.6	0.0	129.2

Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:52 AM



#28

Bromochloromethane

Concen: 22.045 ug/l

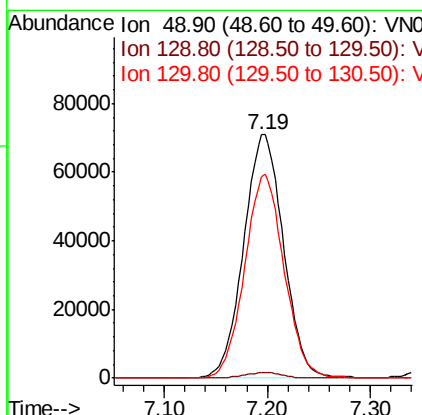
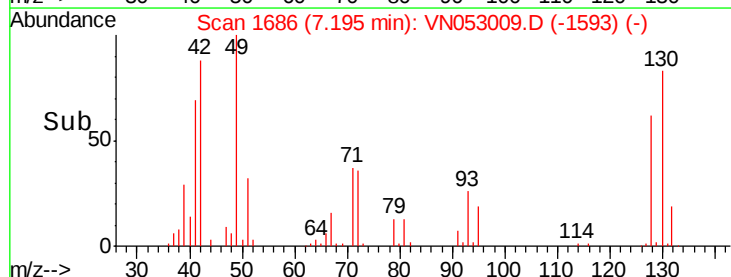
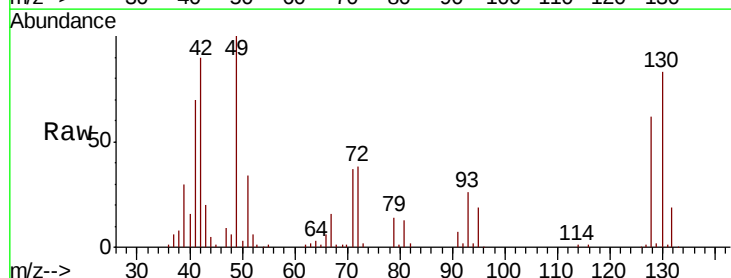
RT: 7.19 min Scan# 1686

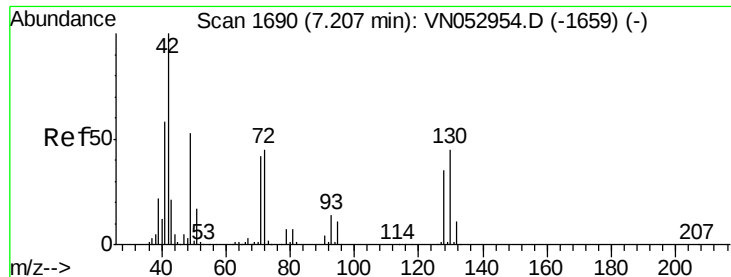
Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Tgt Ion:	49	Resp:	190383
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.0
130	82.6	63.3	94.9





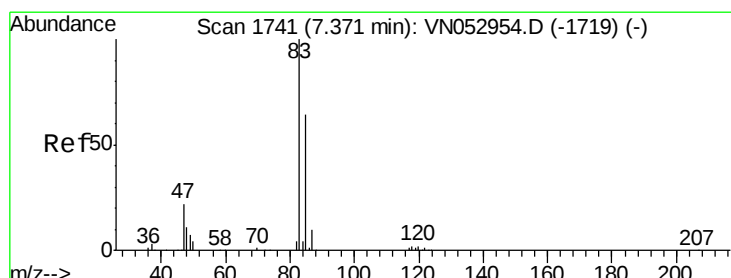
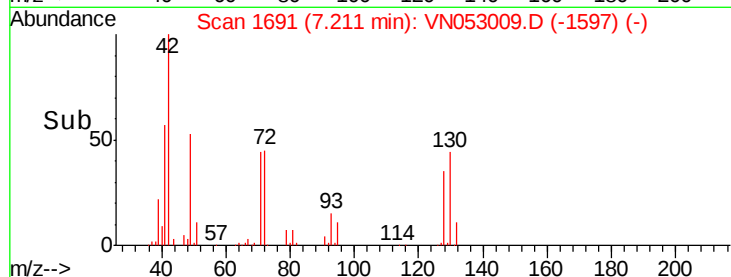
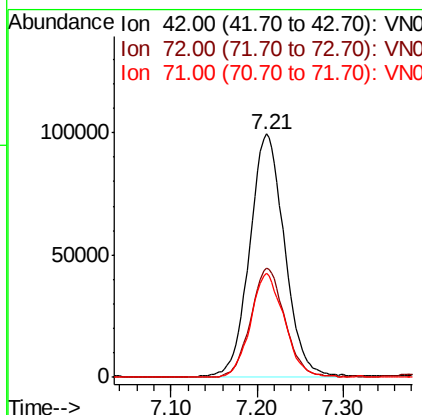
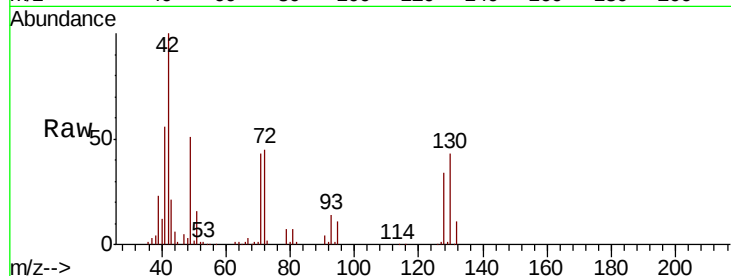
#29
Tetrahydrofuran
Concen: 105.723 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.7	52.1
71	41.6	32.3	48.5

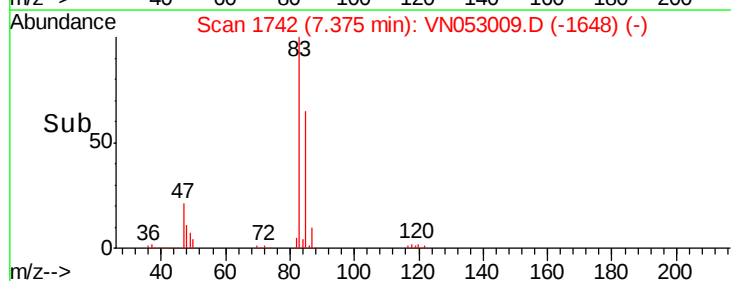
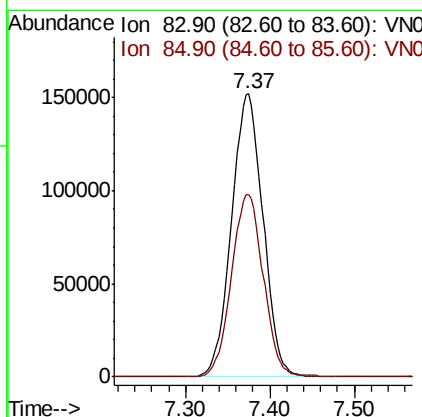
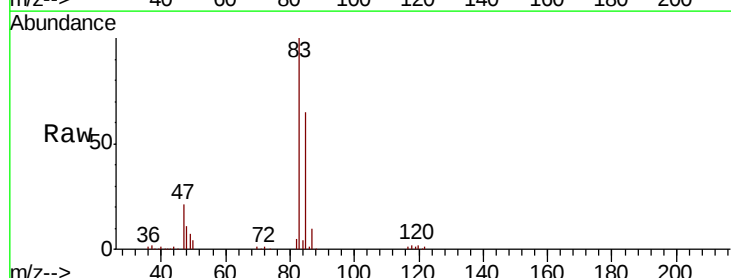
Manual Integrations
APPROVED

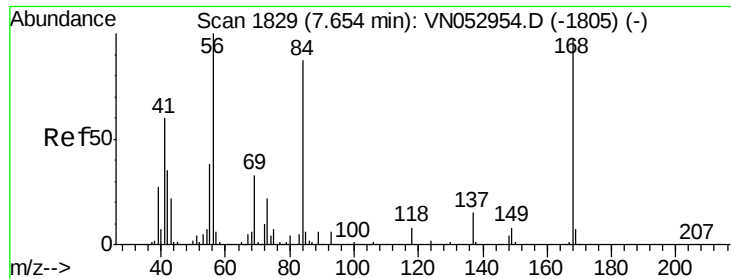
MMDadoda
12/20/2018 9:34:52 AM



#30
Chloroform
Concen: 20.245 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.1	78.1





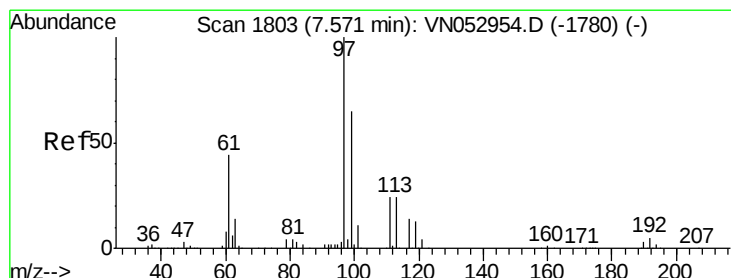
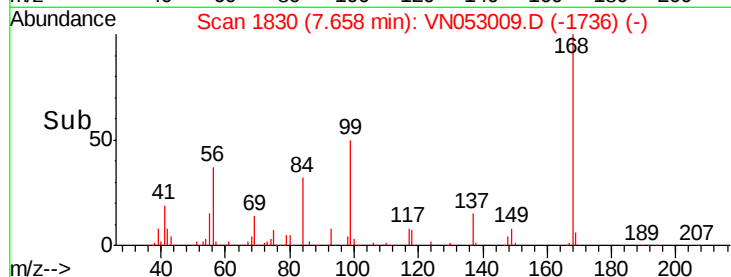
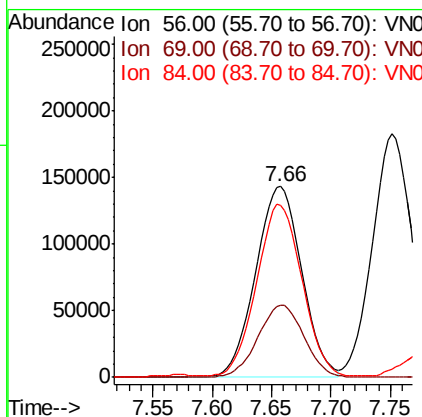
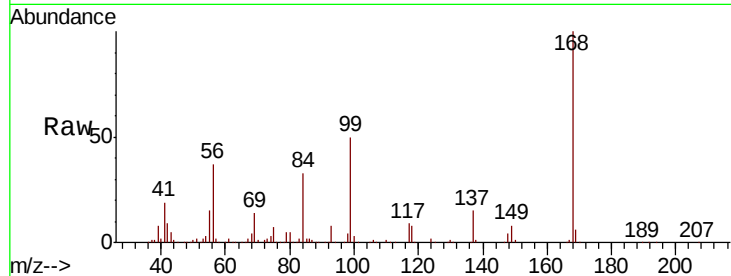
#31
Cyclohexane
Concen: 19.915 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.0	26.6	39.8
84	89.1	68.4	102.6

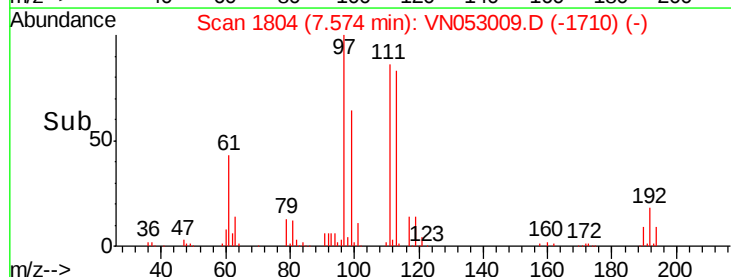
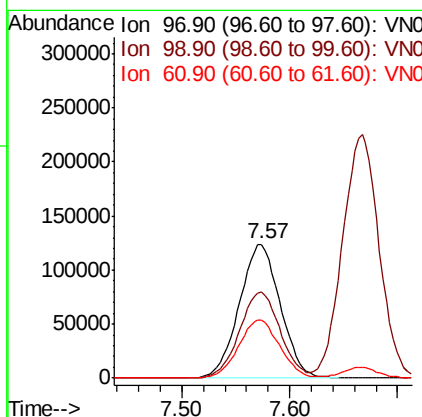
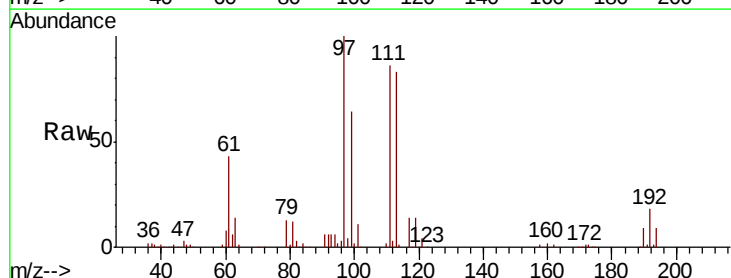
Manual Integrations
APPROVED

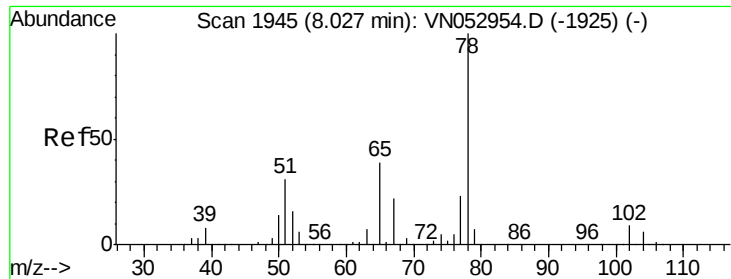
MMDadoda
12/20/2018 9:34:52 AM



#32
1,1,1-Trichloroethane
Concen: 19.611 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	43.6	35.0	52.6





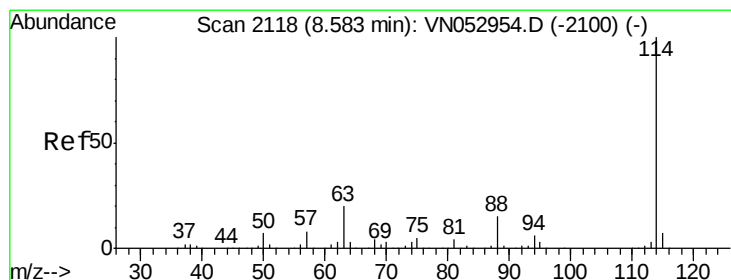
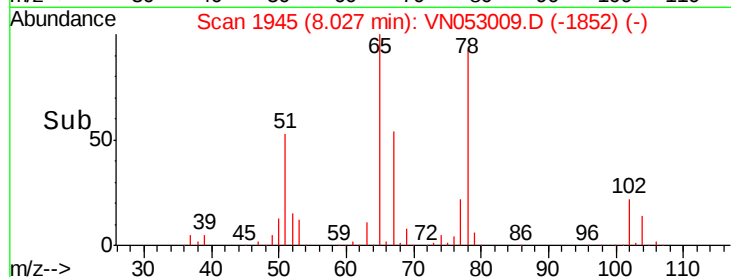
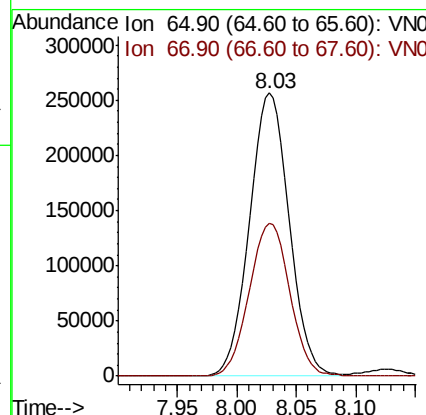
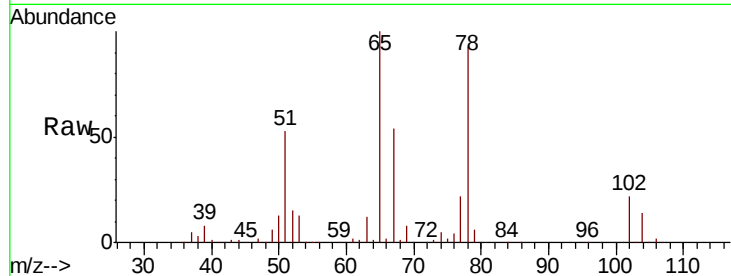
#33
 1,2-Dichloroethane-d4
 Concen: 19.611 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS01

Tot Ion: 65 Resp: 593064
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 110.4

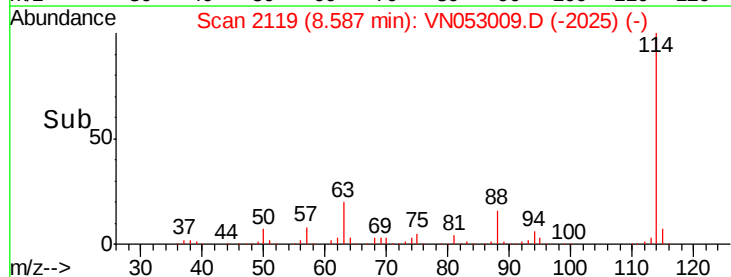
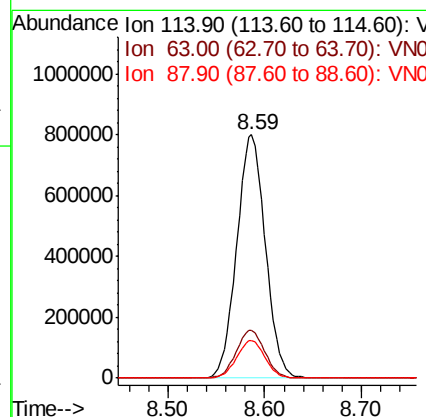
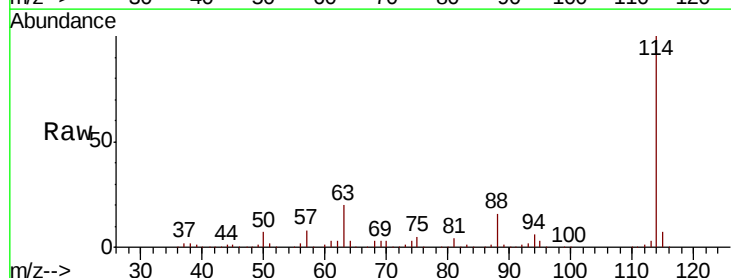
Manual Integrations
 APPROVED

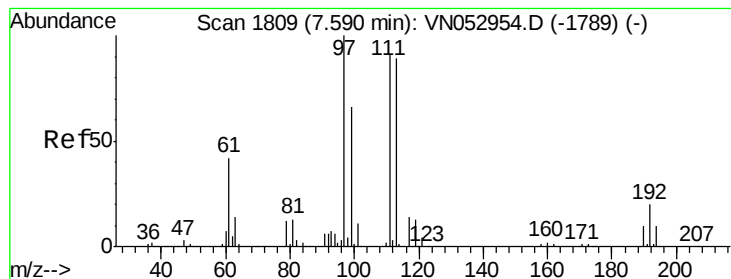
MMDadoda
 12/20/2018 9:34:52 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Tgt Ion: 114 Resp: 1643177
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.6 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: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

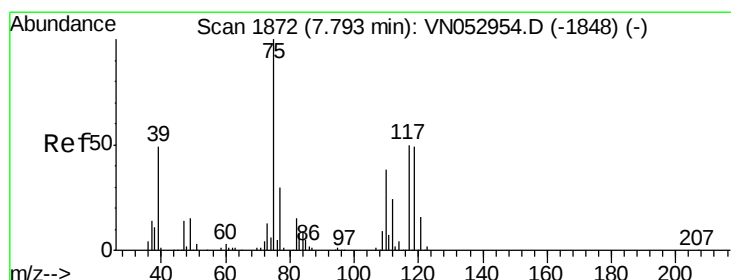
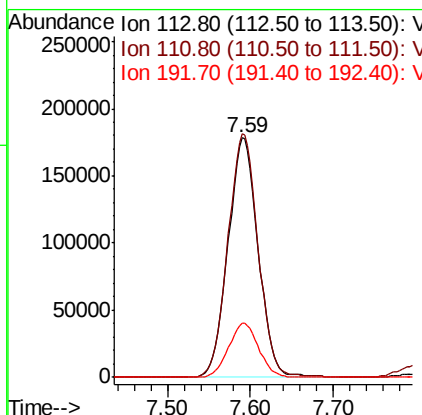
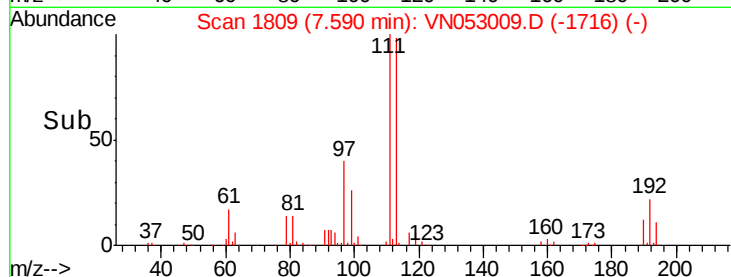
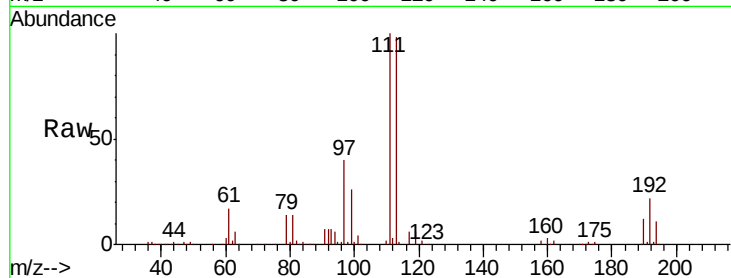
ClientSampleId :

VN1219MBS01

Tot Ion:	113	Resp:	449825
Ion Ratio	Lower	Upper	
113	100		
111	102.1	83.0	124.4
192	22.6	17.5	26.3

Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:52 AM



#36

1,1-Dichloropropene

Concen: 19.259 ug/l

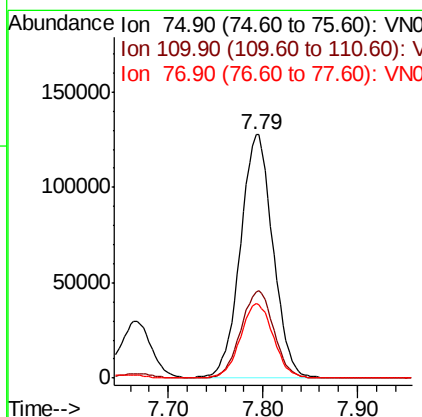
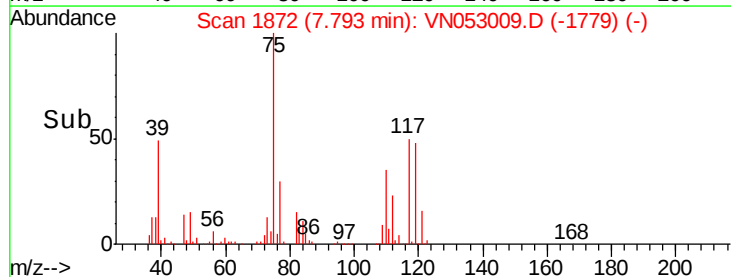
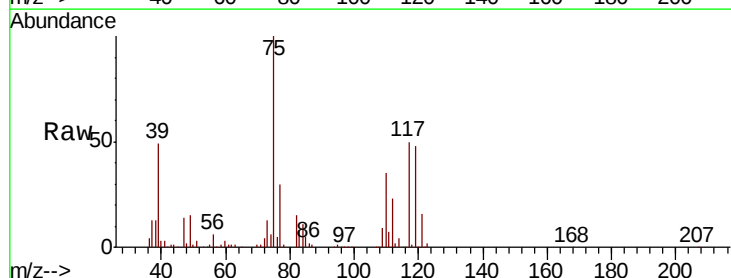
RT: 7.79 min Scan# 1872

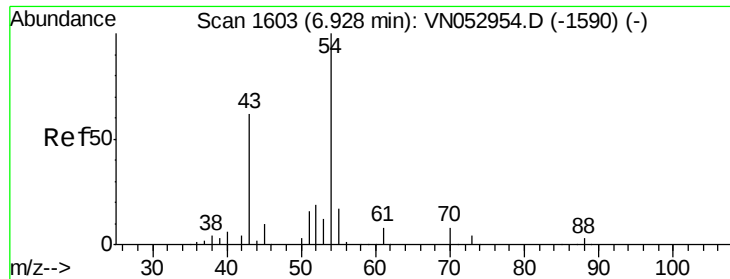
Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Tgt Ion:	75	Resp:	303748
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.2	54.6
77	31.2	24.9	37.3





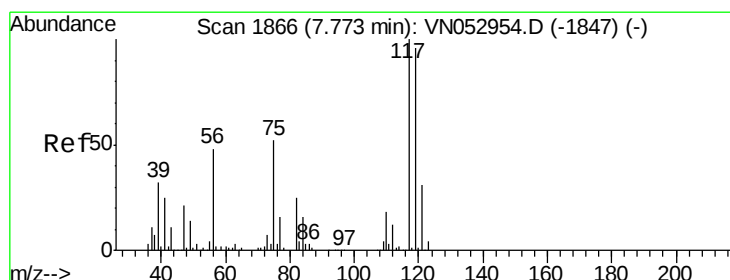
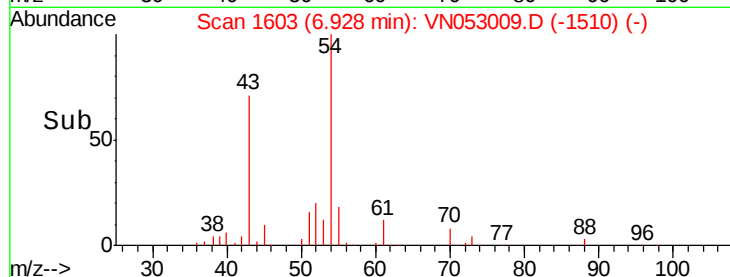
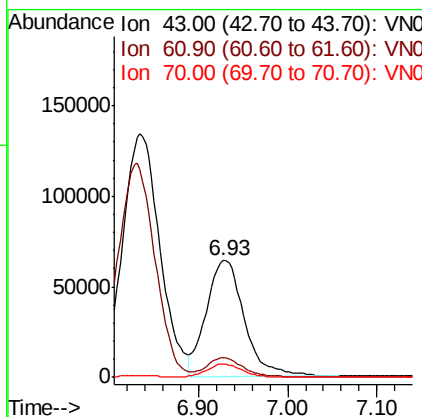
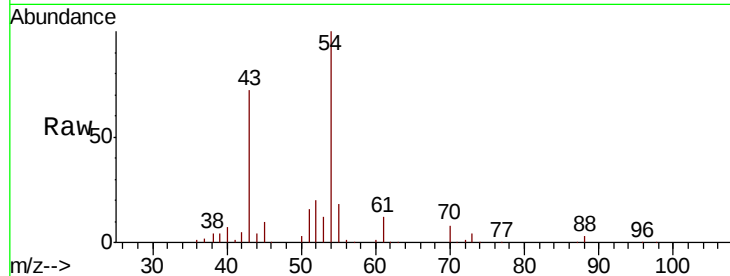
#37
Ethyl Acetate
Concen: 21.556 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.8	17.6
70	10.7	8.4	12.6

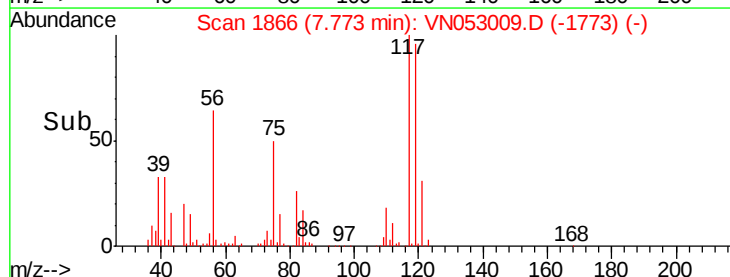
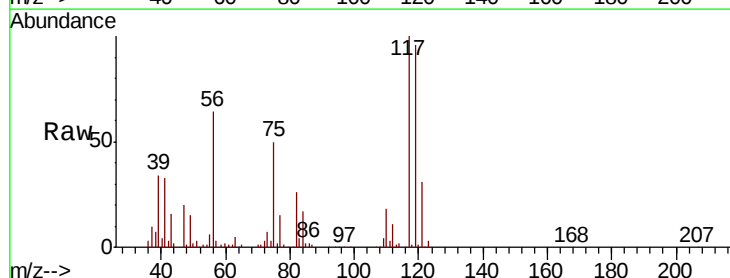
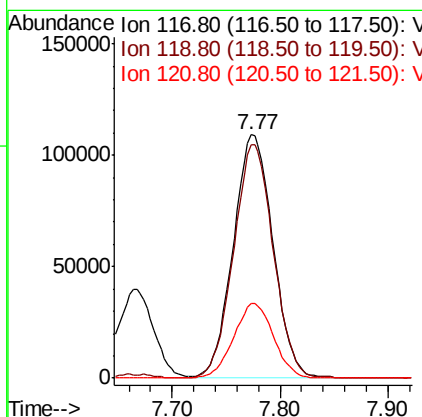
Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:52 AM



#38
Carbon Tetrachloride
Concen: 19.303 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.1	115.7
121	30.7	24.9	37.3





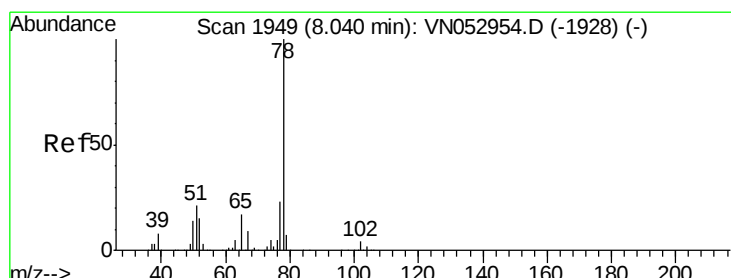
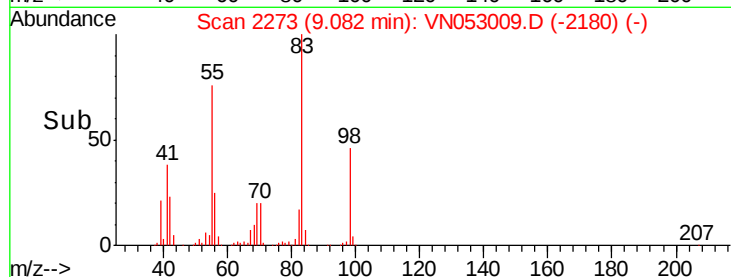
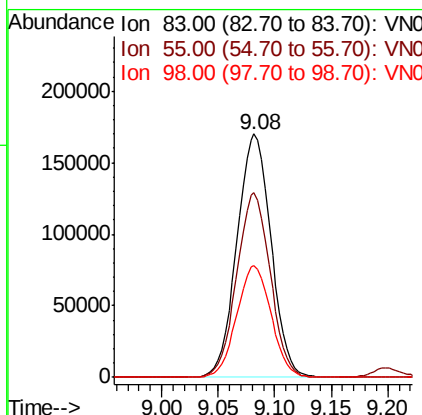
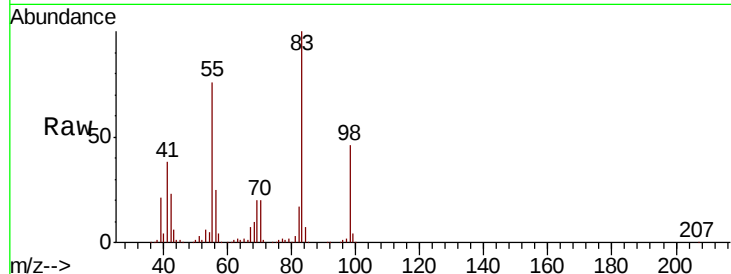
#39
Methvlcvclohexane
Concen: 18.637 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.1	61.3	91.9	
98	46.1	37.0	55.4	

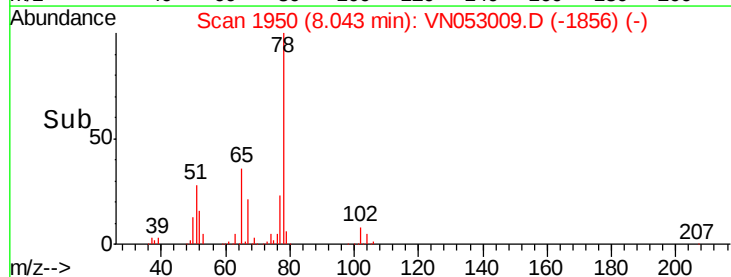
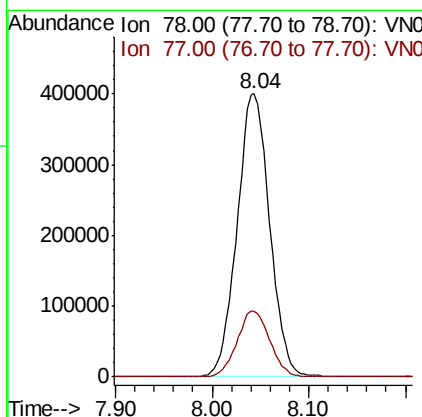
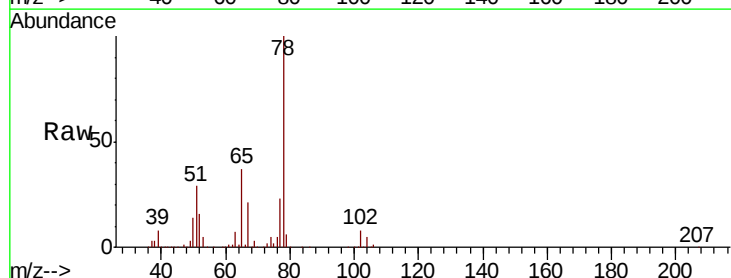
Manual Integrations
APPROVED

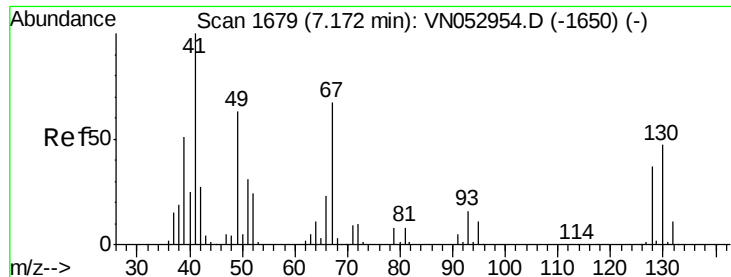
MMDadoda
12/20/2018 9:34:52 AM



#40
Benzene
Concen: 19.940 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	18.5	27.7	





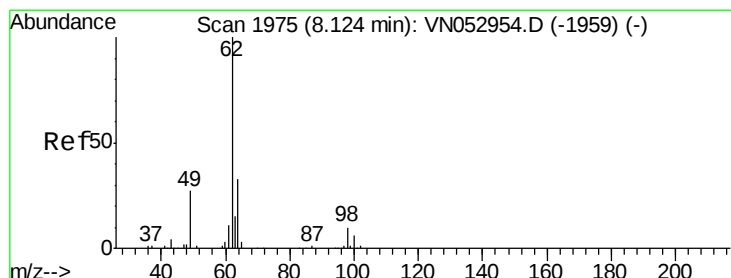
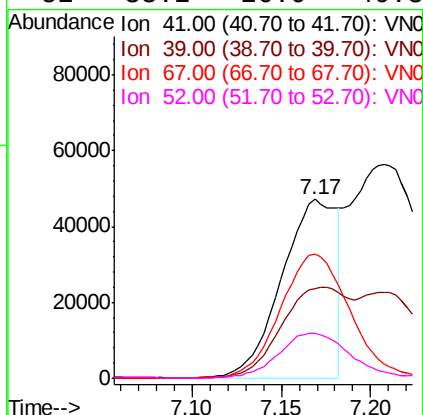
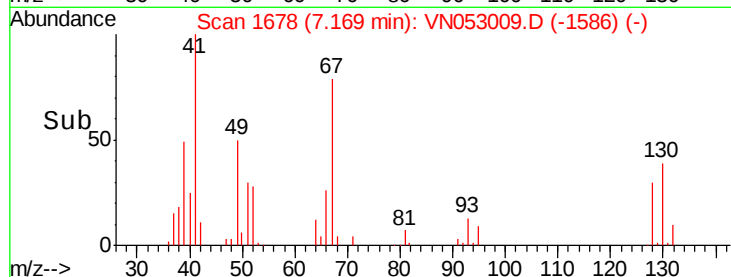
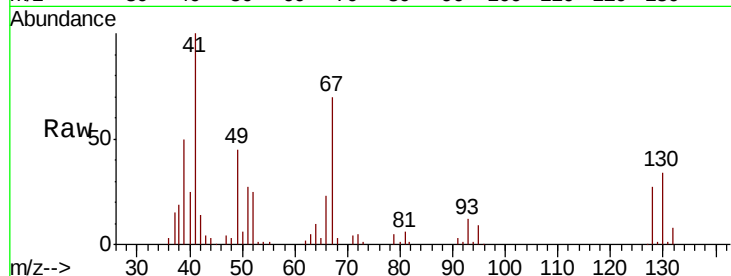
#41
Methacrylonitrile
Concen: 19.812 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	64.1	48.0	72.0	
67	88.9	70.3	105.5	
52	33.2	26.9	40.3	

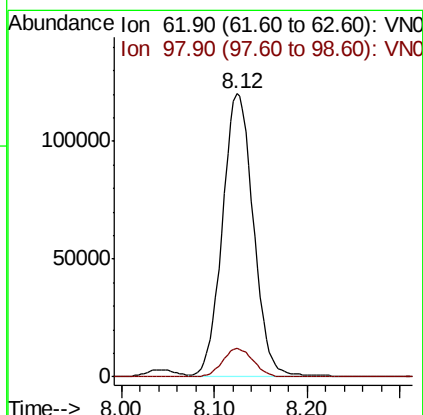
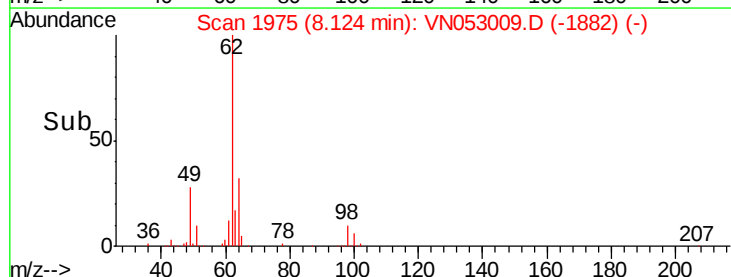
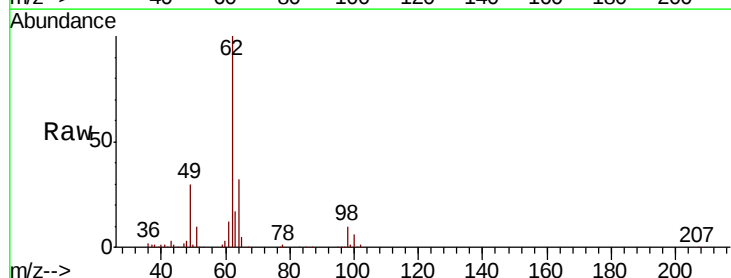
Manual Integrations
APPROVED

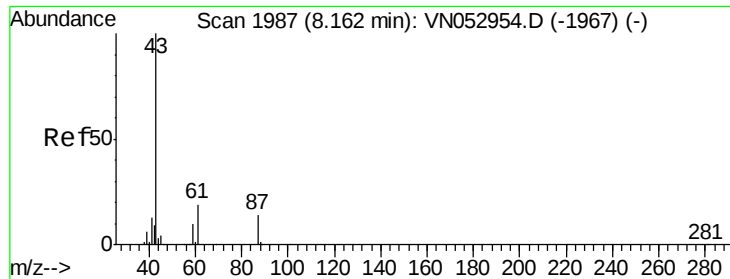
MMDadoda
12/20/2018 9:34:52 AM



#42
1,2-Dichloroethane
Concen: 20.033 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.0	





#43

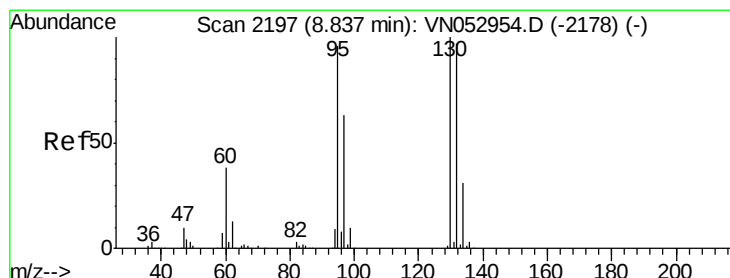
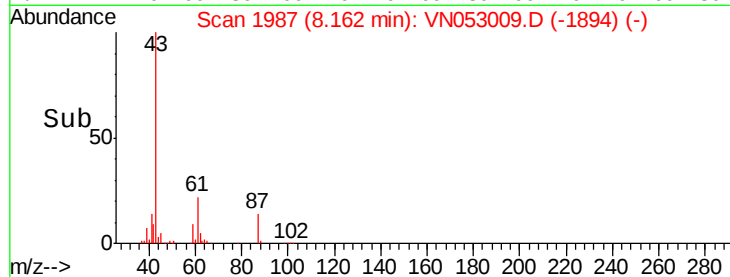
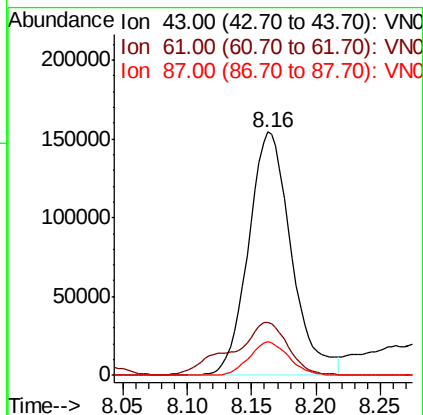
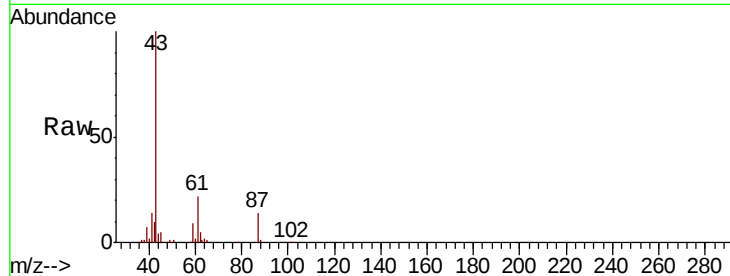
Isopropyl Acetate
 Concen: 20.261 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.0	22.9	34.3
87	12.8	10.6	15.8

Manual Integrations
 APPROVED

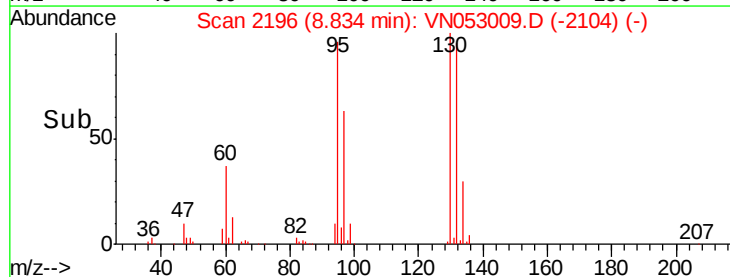
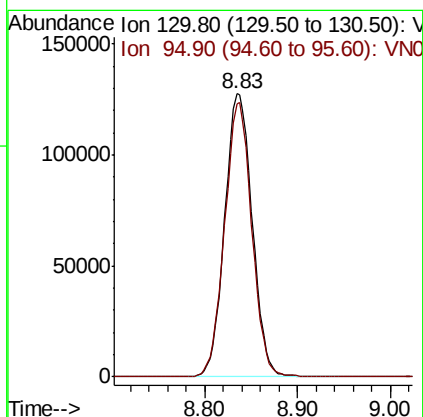
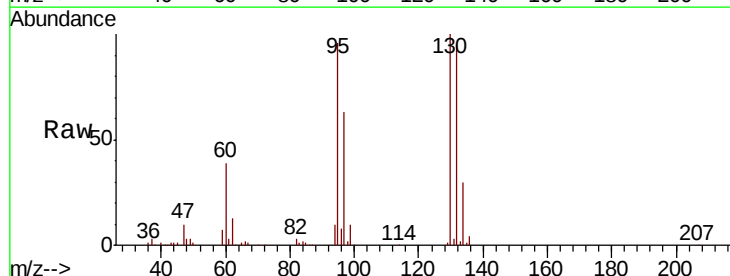
MMDadoda
 12/20/2018 9:34:52 AM

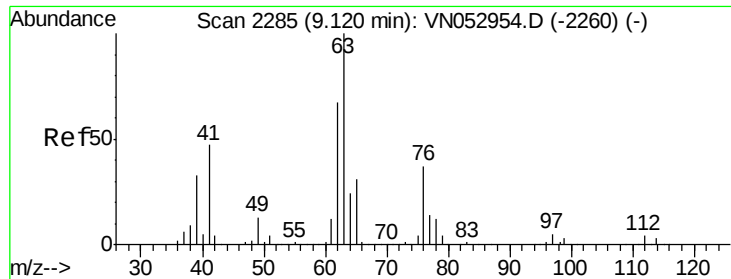


#44

Trichloroethene
 Concen: 19.406 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	197.8





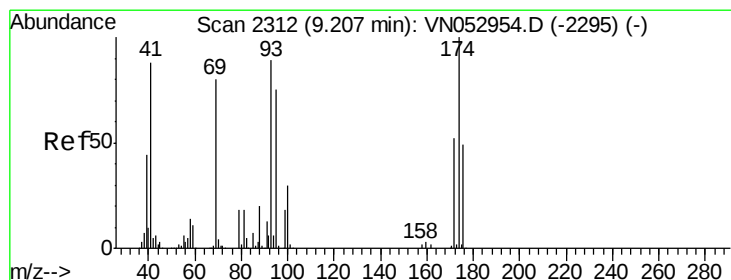
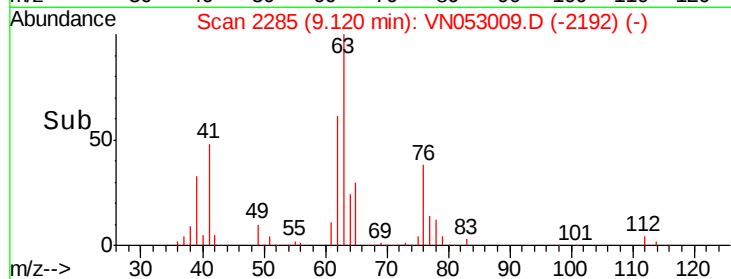
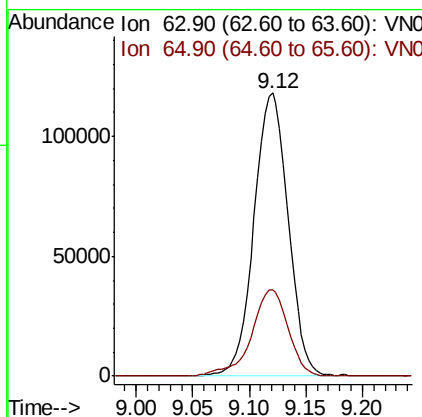
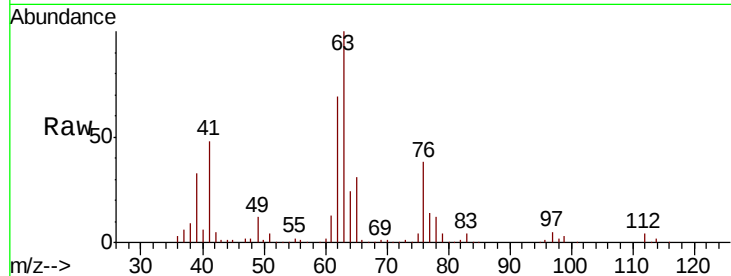
#45
 1,2-Dichloropropane
 Concen: 20.299 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.6	37.0

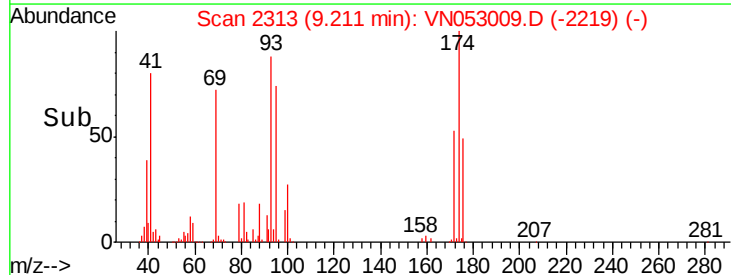
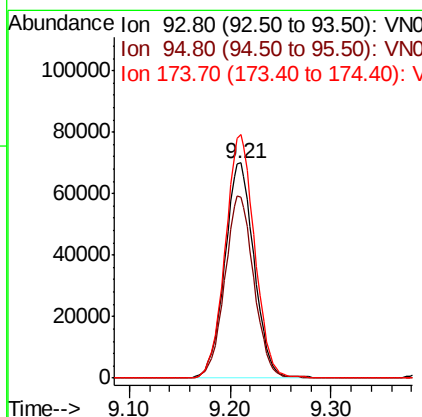
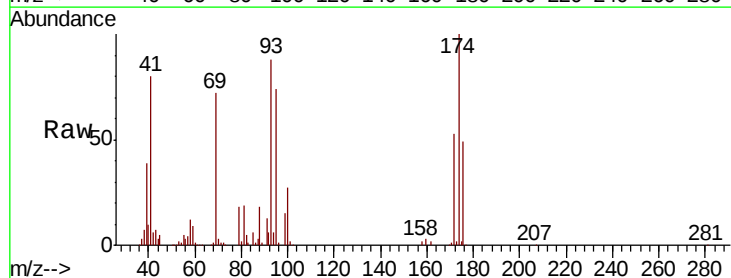
Manual Integrations
 APPROVED

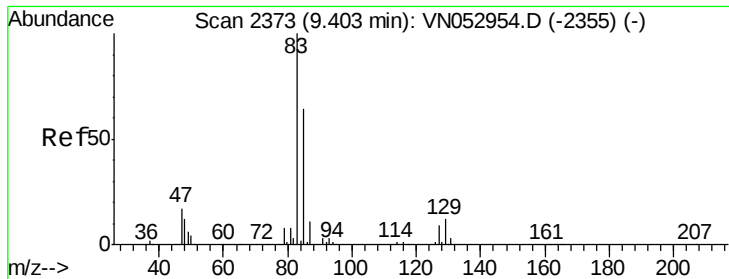
MMDadoda
 12/20/2018 9:34:52 AM



#46
 Dibromomethane
 Concen: 19.939 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	67.8	101.6
174	113.1	89.0	133.4





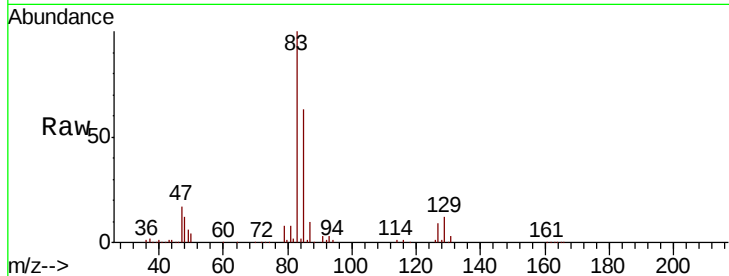
#47
Bromodichloromethane
Concen: 19.430 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

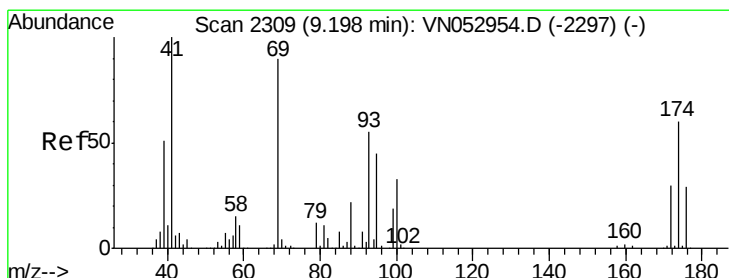
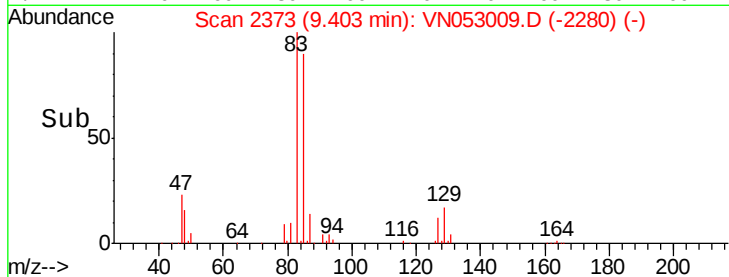
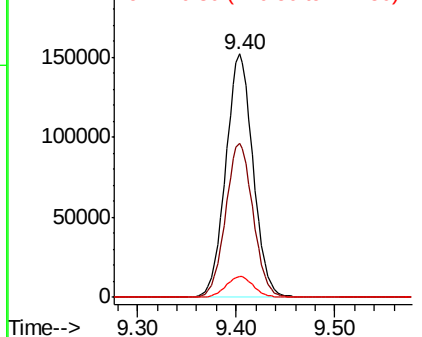
Tot Ion	Ratio	Resp	Lower	Upper
83	100	293996		
85	63.2		51.6	77.4
127	8.6		7.1	10.7

Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:52 AM

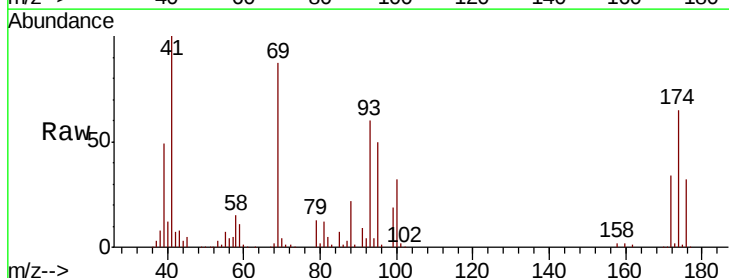


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

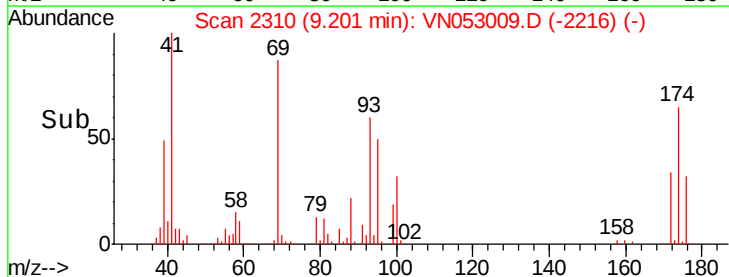
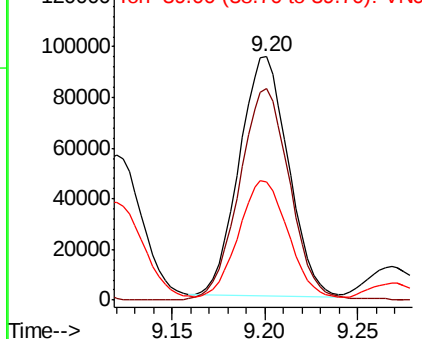


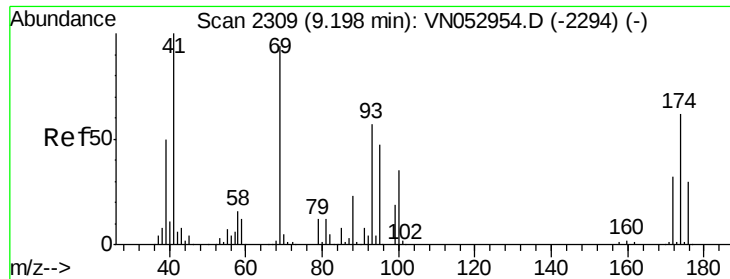
#48
Methyl methacrylate
Concen: 20.304 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	173474		
69	91.6		72.2	108.2
39	51.3		41.9	62.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





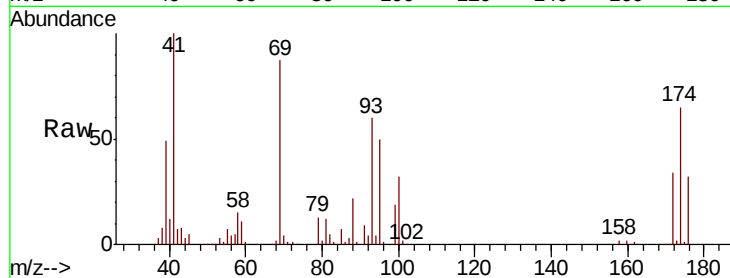
#49
1,4-Dioxane
Concen: 400.497 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

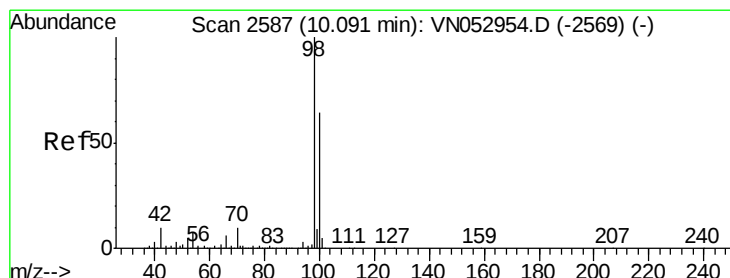
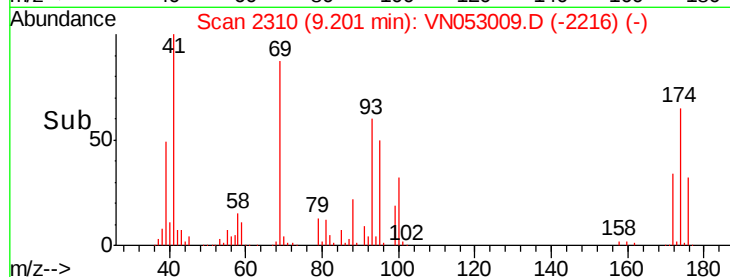
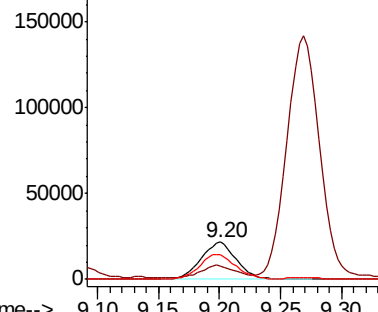
Tot Ion	88	Resp	43283
Ion	Ratio	Lower	Upper
88	100		
43	32.6	26.6	40.0
58	68.7	58.4	87.6

Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:52 AM

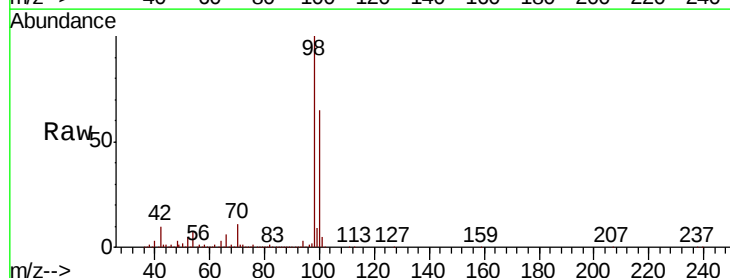


Abundance Ion 88.00 (87.70 to 88.70): VN052954.D (-2294) (-)
Ion 43.00 (42.70 to 43.70): VN052954.D (-2294) (-)
Ion 58.00 (57.70 to 58.70): VN052954.D (-2294) (-)

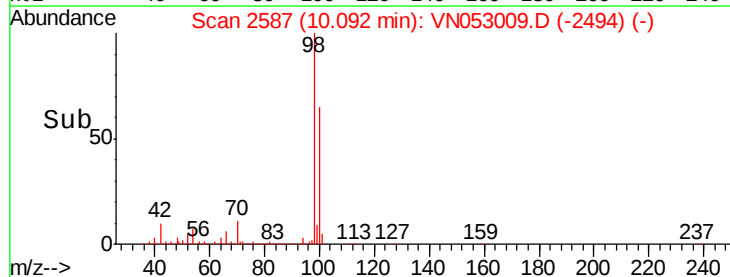
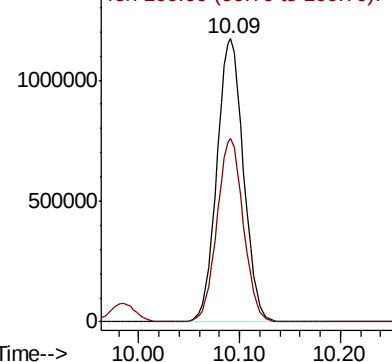


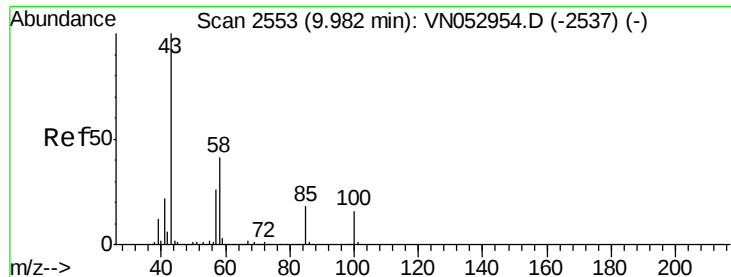
#50
Toluene-d8
Concen: 400.497 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion	98	Resp	2148922
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VN052954.D (-2569) (-)
Ion 100.00 (99.70 to 100.70): VN052954.D (-2569) (-)





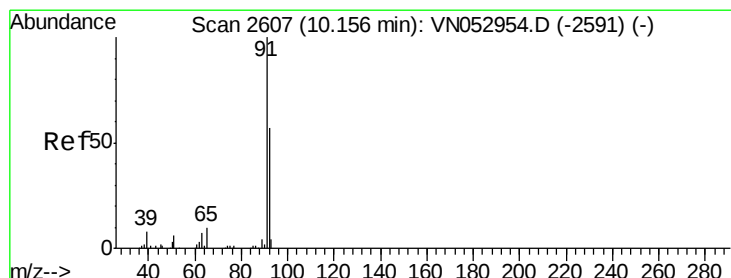
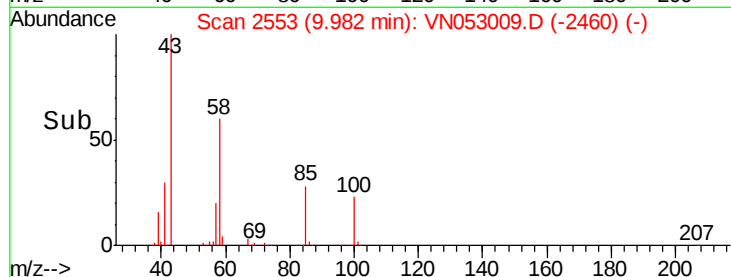
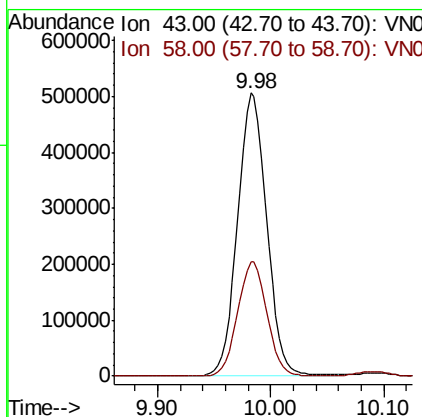
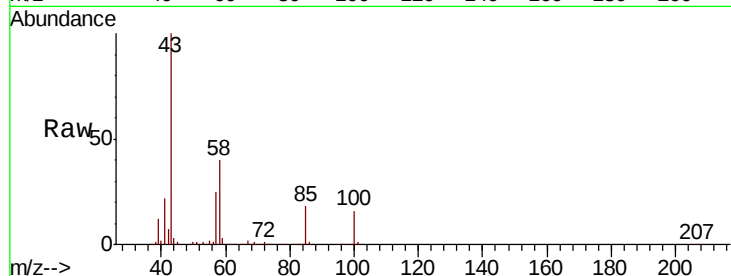
#51
 4-Methyl-2-Pentanone
 Concen: 106.471 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN1219MBS01

Tot Ion: 43 Resp: 907819
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.2 48.4

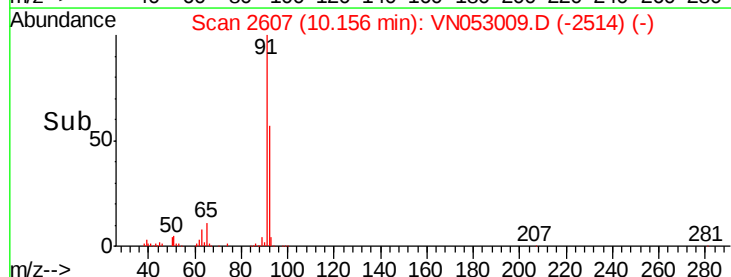
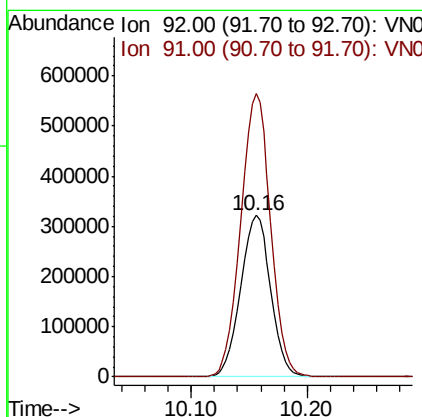
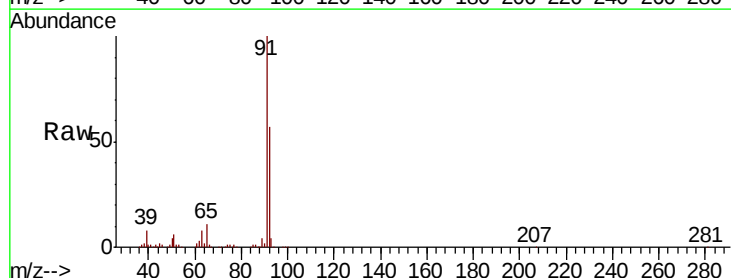
Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 9:34:52 AM



#52
 Toluene
 Concen: 19.782 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Tgt Ion: 92 Resp: 575206
 Ion Ratio Lower Upper
 92 100
 91 175.2 139.8 209.6





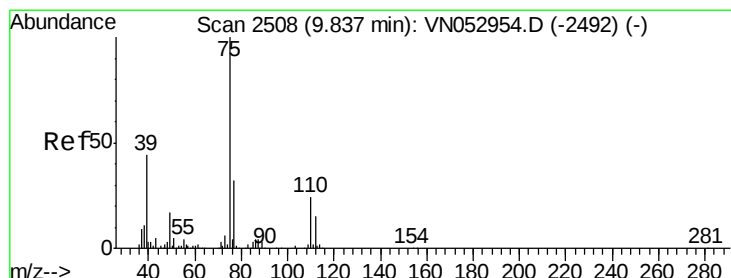
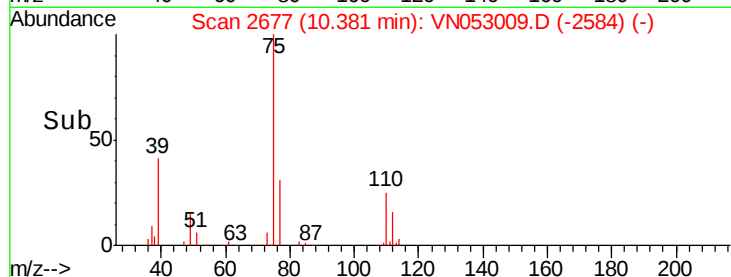
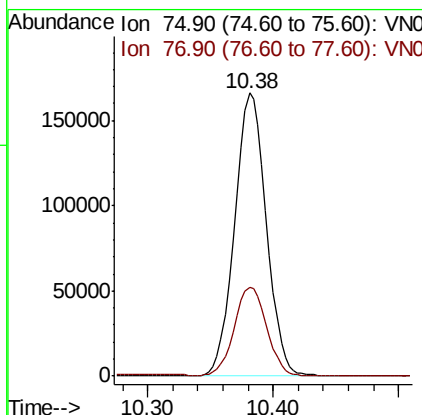
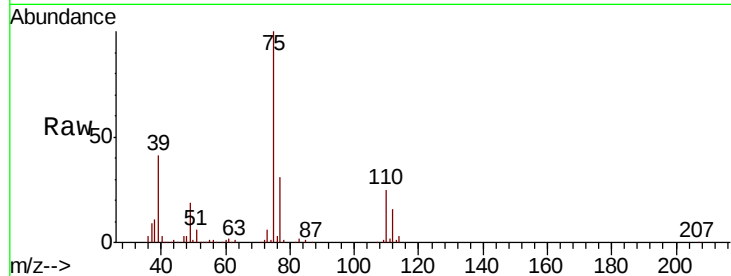
#53
t-1,3-Dichloropropene
Concen: 18.302 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.6	38.4

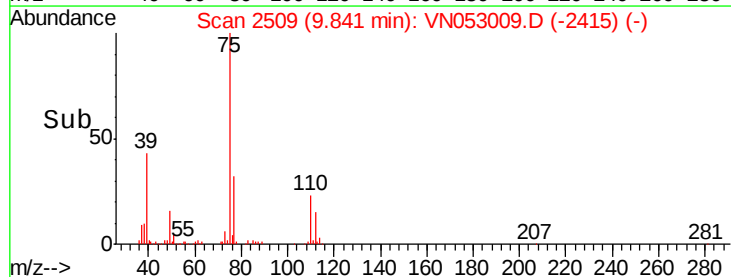
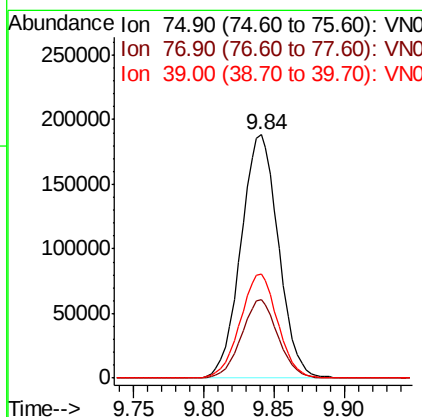
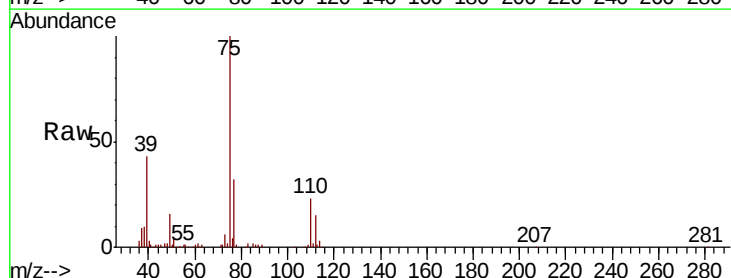
Manual Integrations
APPROVED

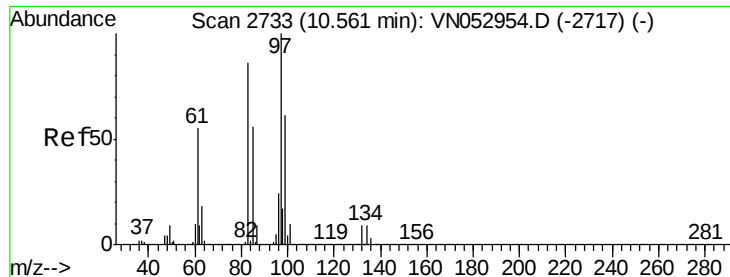
MMDadoda
12/20/2018 9:34:52 AM



#54
cis-1,3-Dichloropropene
Concen: 19.202 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.8	38.8
39	42.6	34.8	52.2





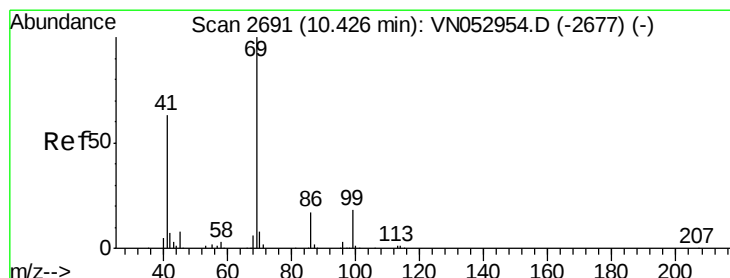
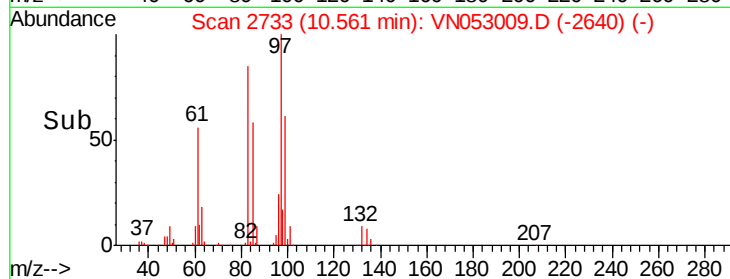
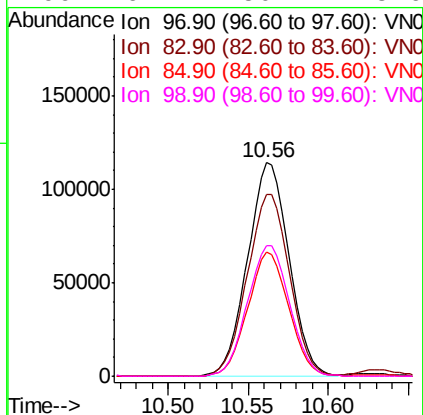
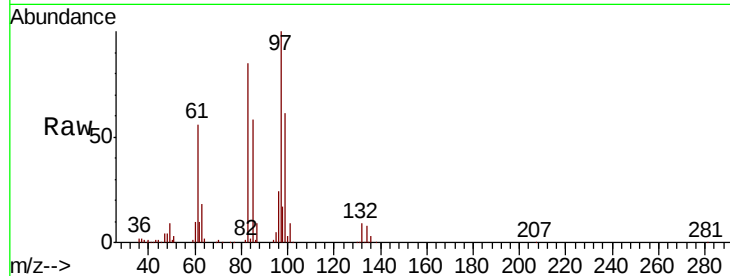
#55
 1,1,2-Trichloroethane
 Concen: 20.134 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS01

Tot Ion:	97	Resp:	204245
Ion Ratio	Lower	Upper	
97	100		
83	85.2	70.9	106.3
85	58.1	45.4	68.2
99	61.4	50.4	75.6

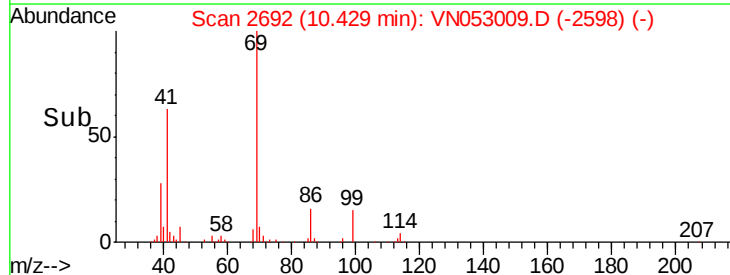
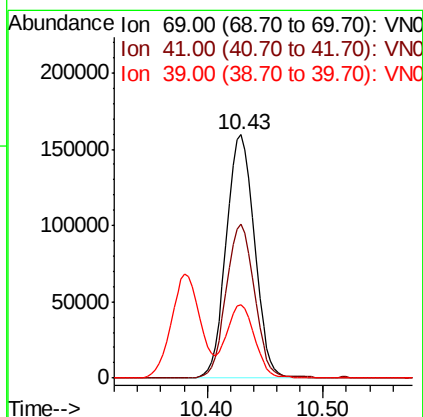
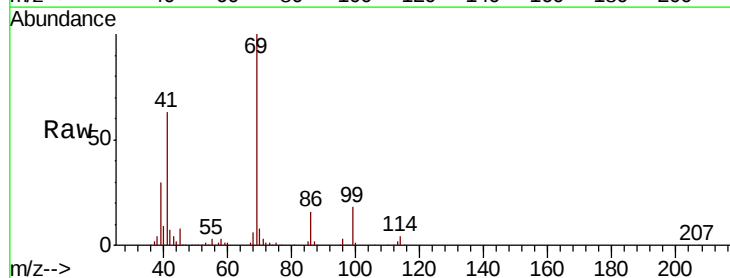
Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 9:34:52 AM



#56
 Ethyl methacrylate
 Concen: 20.080 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Tgt Ion:	69	Resp:	269614
Ion Ratio	Lower	Upper	
69	100		
41	62.2	51.7	77.5
39	29.8	24.6	37.0





#57

1,3-Dichloropropane

Concen: 20.369 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS01

Tot Ion: 76 Resp: 354338

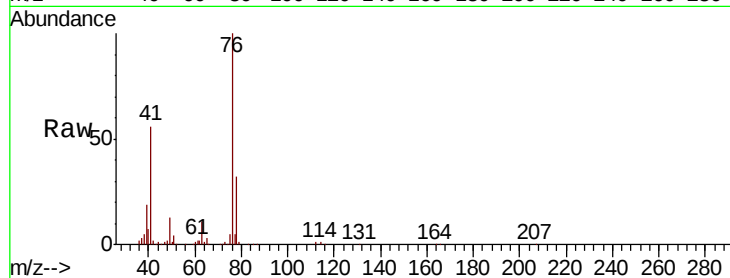
Ion Ratio Lower Upper

76 100

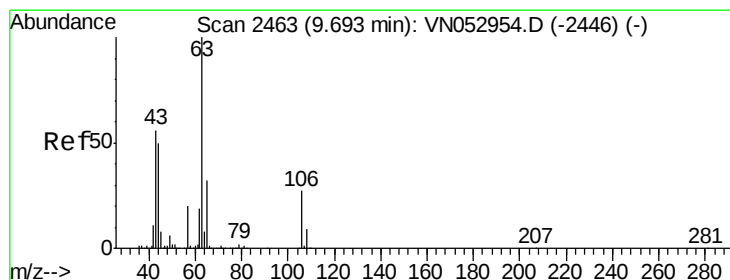
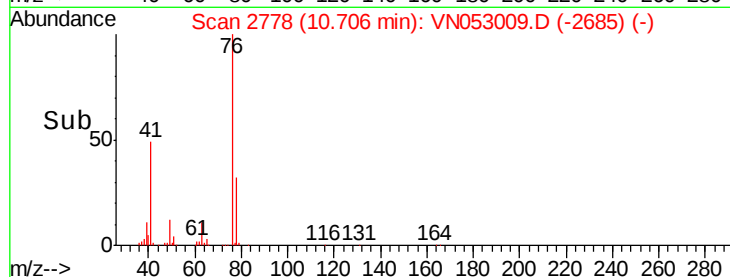
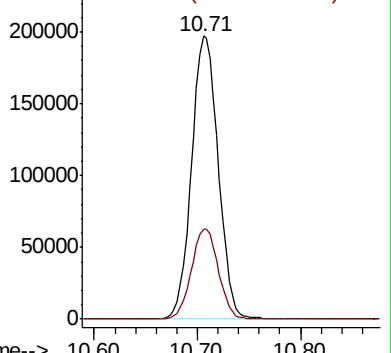
78 32.3 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:52 AM



Abundance Ion 75.90 (75.60 to 76.60): VN053009.D (-2685) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 106.036 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053009.D

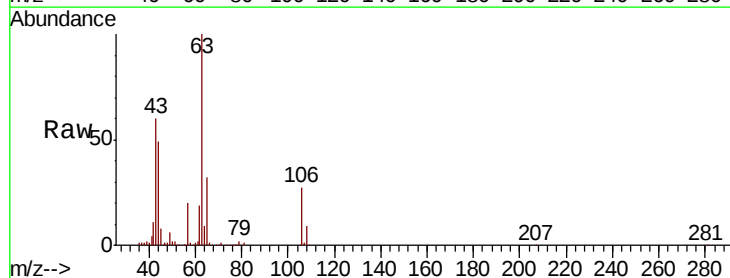
Acq: 19 Dec 2018 14:23

Tgt Ion: 63 Resp: 781624

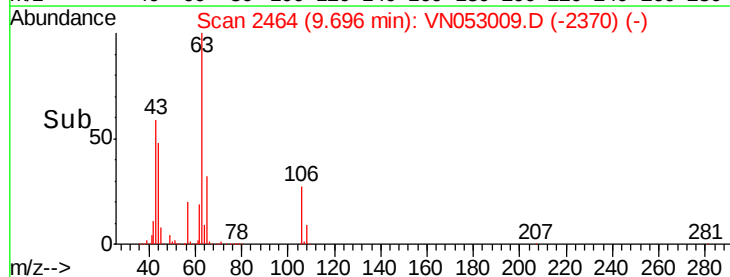
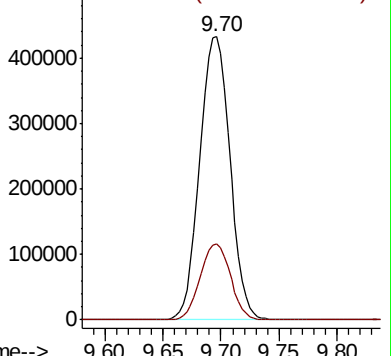
Ion Ratio Lower Upper

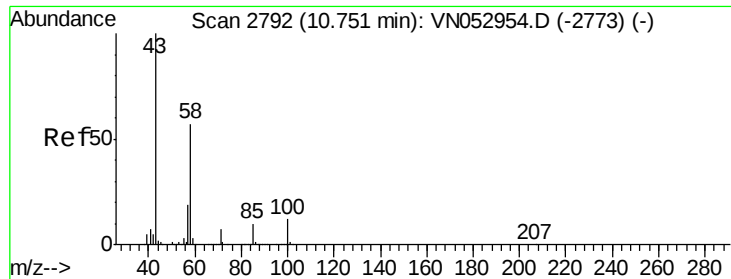
63 100

106 26.9 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN053009.D (-2370) (-)





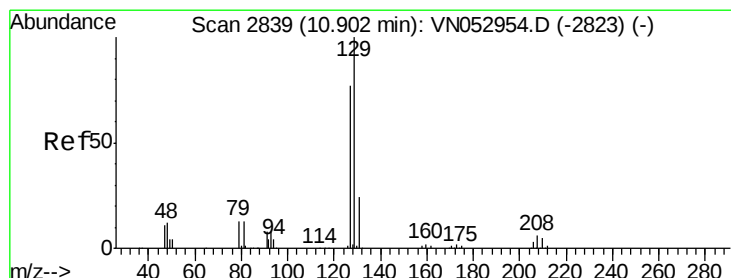
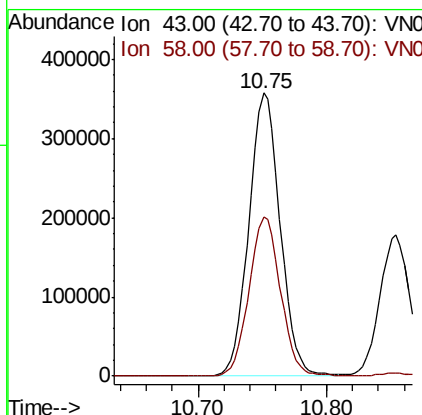
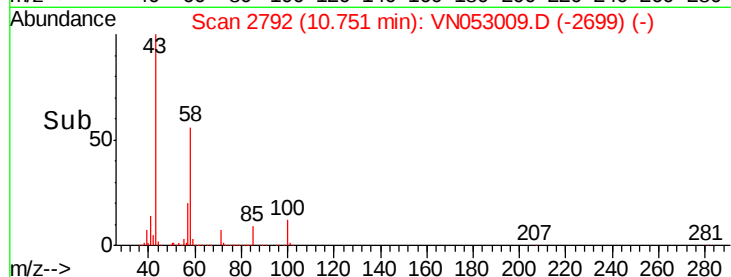
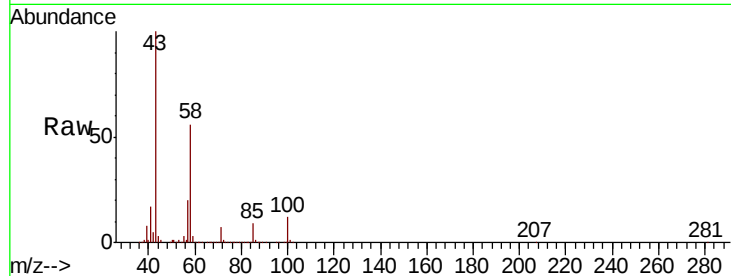
#59
2-Hexanone
Concen: 104.288 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion: 43 Resp: 601624
Ion Ratio Lower Upper
43 100
58 57.0 28.1 84.3

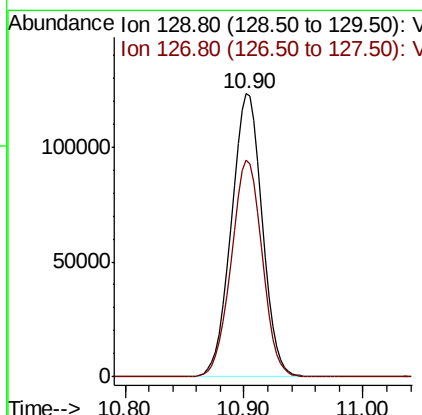
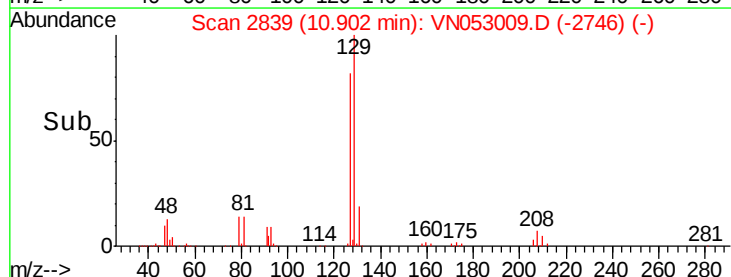
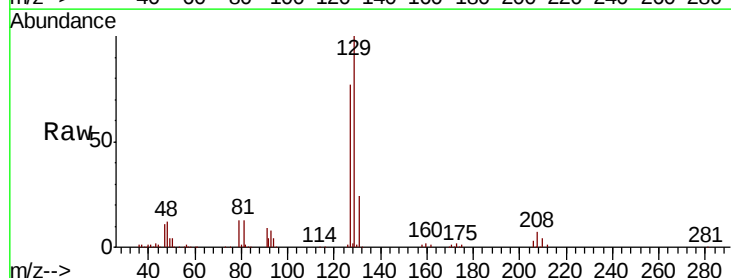
Manual Integrations
APPROVED

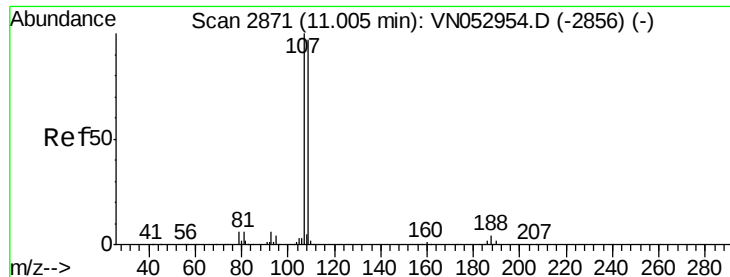
MMDadoda
12/20/2018 9:34:52 AM



#60
Dibromochloromethane
Concen: 19.097 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion: 129 Resp: 221756
Ion Ratio Lower Upper
129 100
127 76.6 38.6 116.0





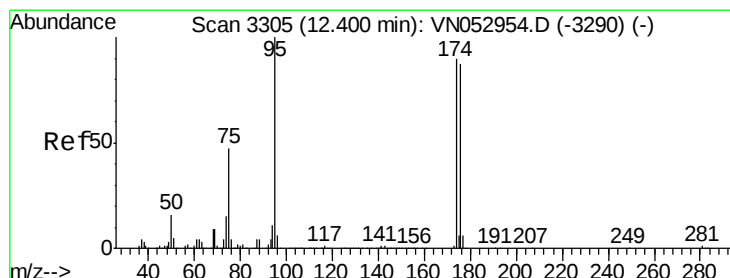
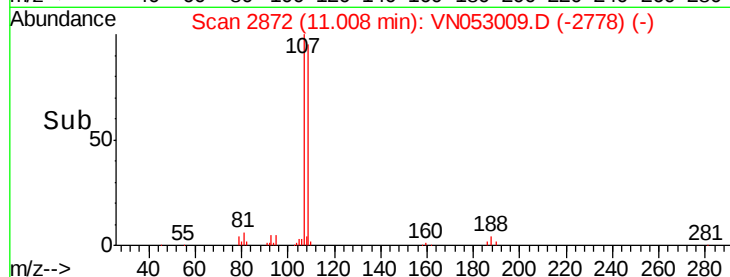
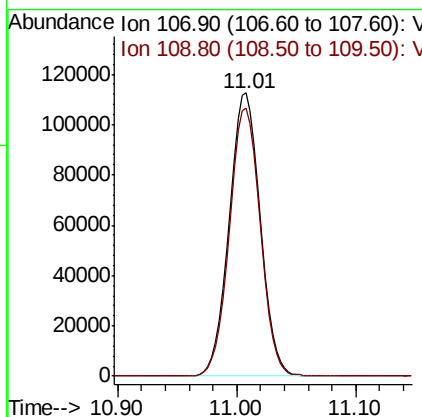
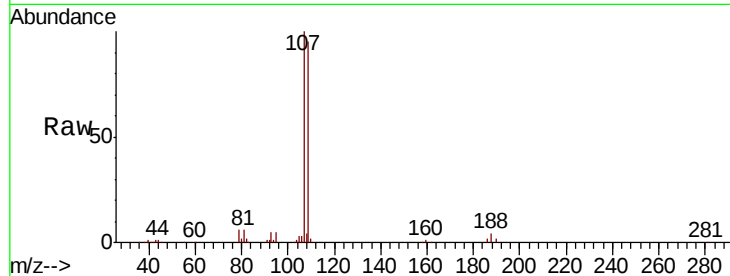
#61
 1,2-Dibromoethane
 Concen: 19.771 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0

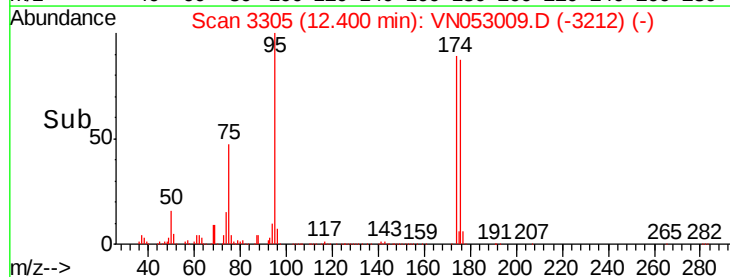
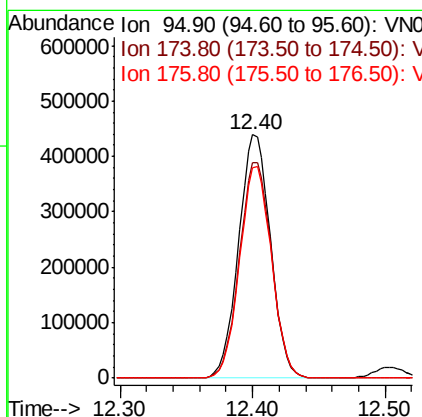
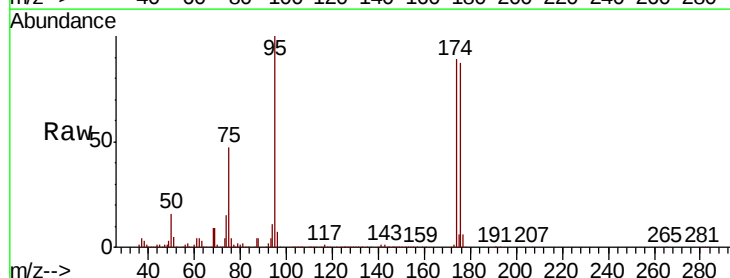
Manual Integrations
 APPROVED

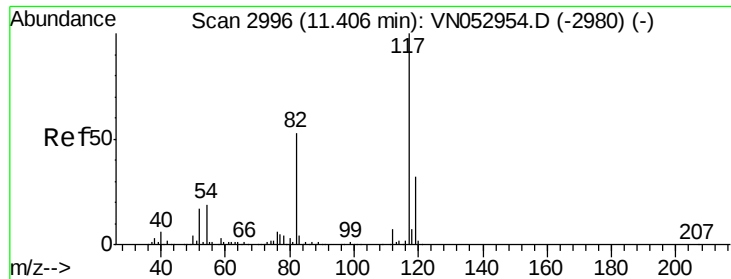
MMDadoda
 12/20/2018 9:34:52 AM



#62
 4-Bromofluorobenzene
 Concen: 19.771 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.7	0.0	178.8
176	86.9	0.0	173.8





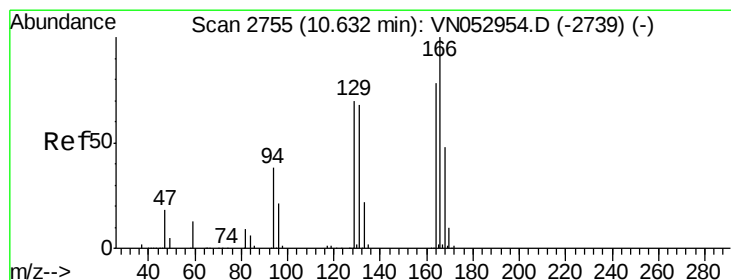
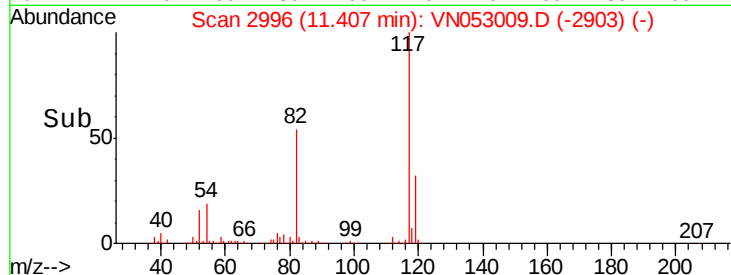
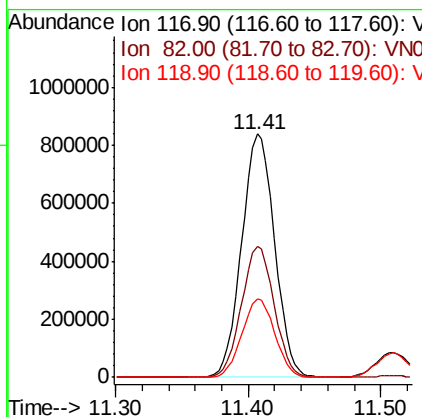
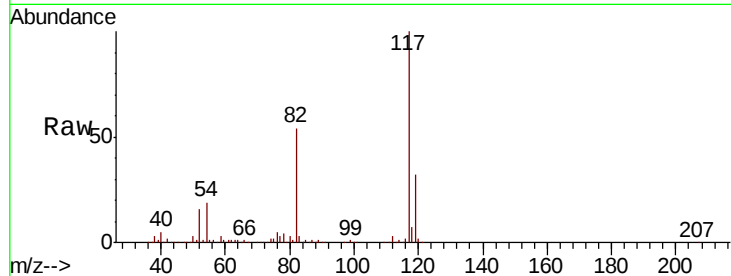
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion:117 Resp: 1449373
Ion Ratio Lower Upper
117 100
82 54.0 42.8 64.2
119 32.3 25.5 38.3

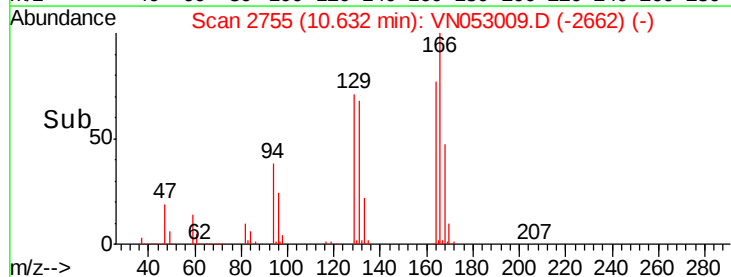
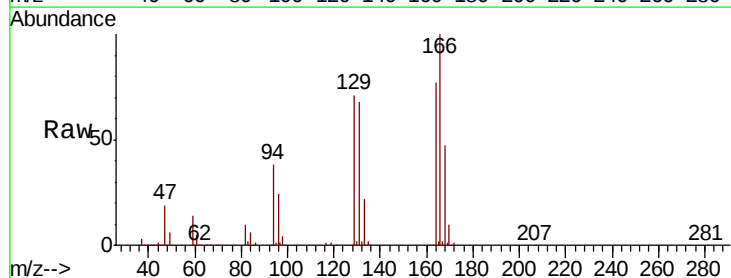
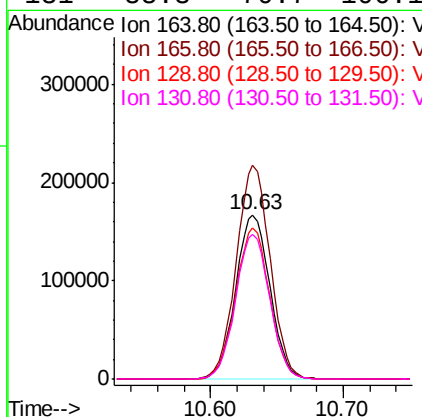
Manual Integrations
APPROVED

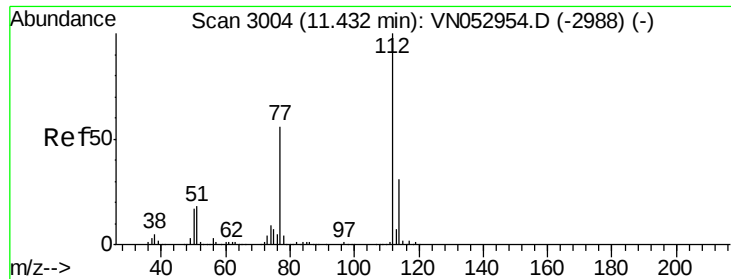
MMDadoda
12/20/2018 9:34:52 AM



#64
Tetrachloroethene
Concen: 19.062 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion:164 Resp: 299270
Ion Ratio Lower Upper
164 100
166 130.4 102.9 154.3
129 92.5 73.7 110.5
131 88.3 70.7 106.1





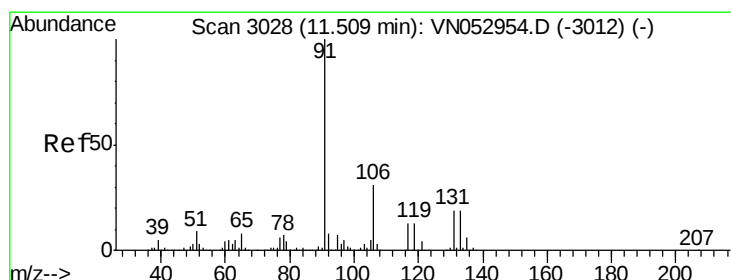
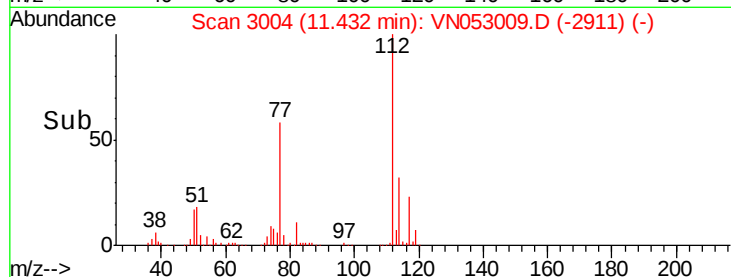
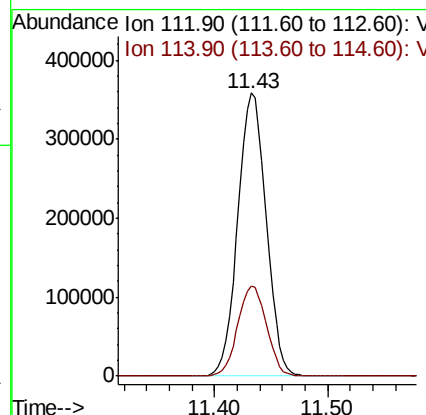
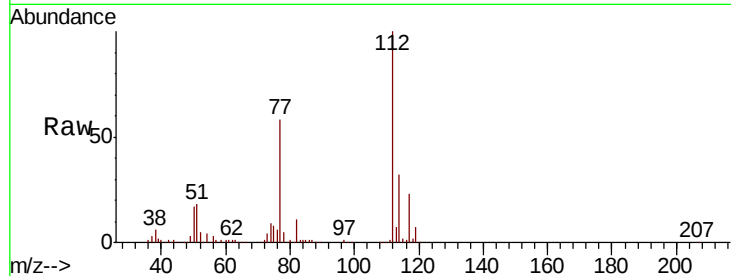
#65
Chlorobenzene
Concen: 19.543 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion:112 Resp: 627880
Ion Ratio Lower Upper
112 100
114 31.8 25.5 38.3

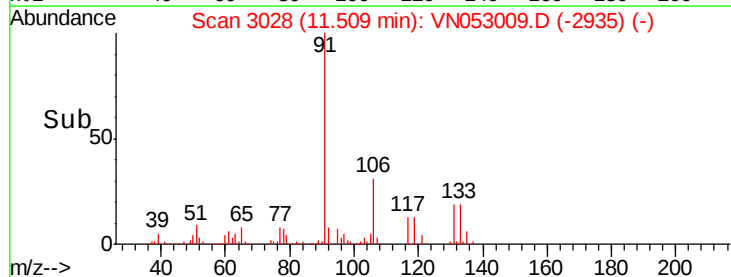
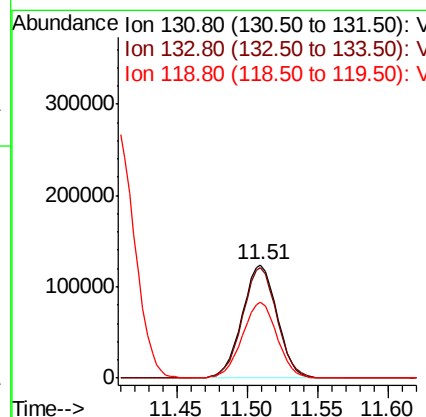
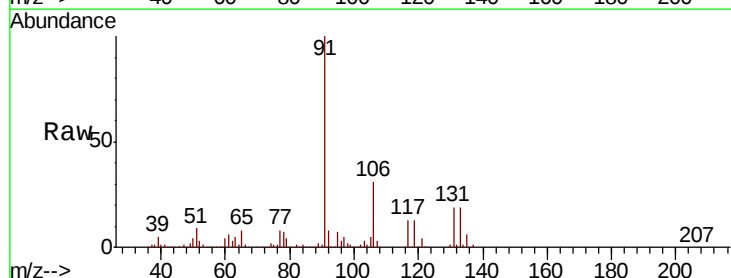
Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:52 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.310 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion:131 Resp: 215739
Ion Ratio Lower Upper
131 100
133 96.6 47.6 142.9
119 66.8 33.3 99.8





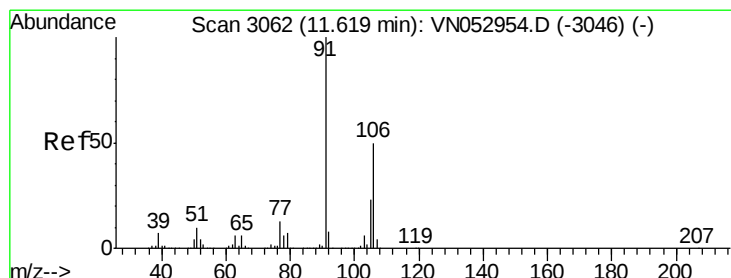
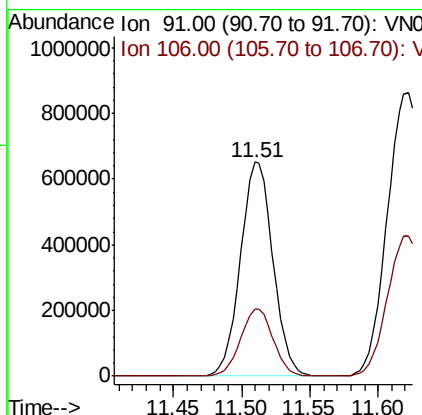
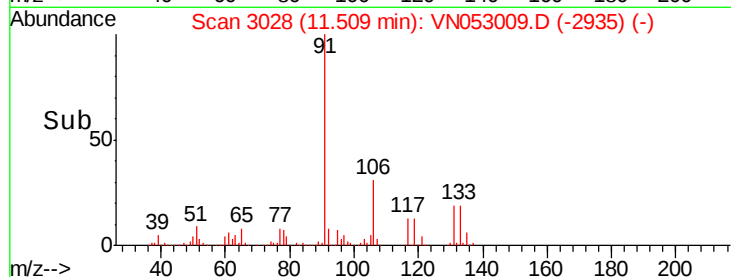
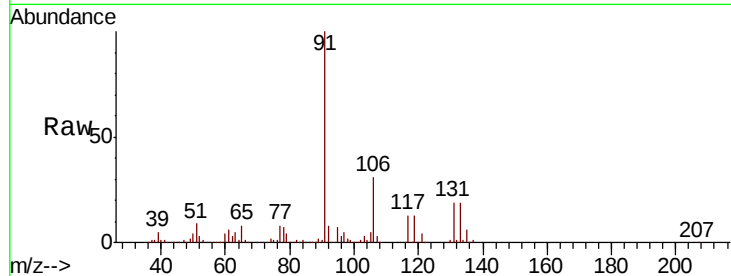
#67
Ethyl Benzene
Concen: 19.516 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion: 91 Resp: 1078304
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3

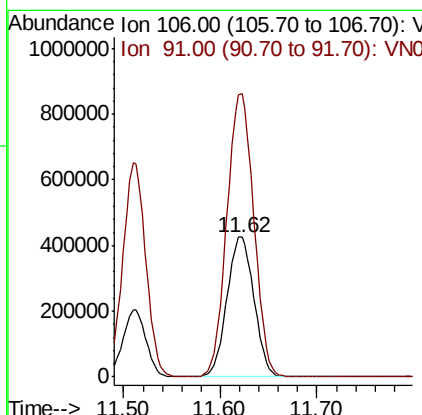
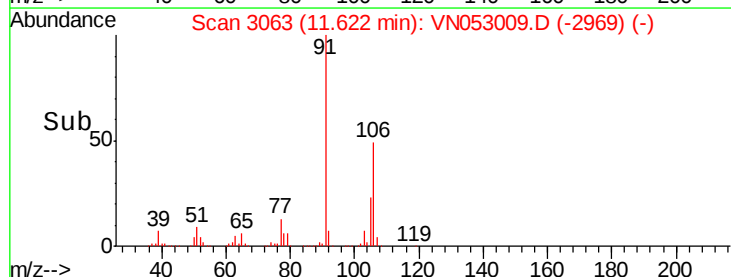
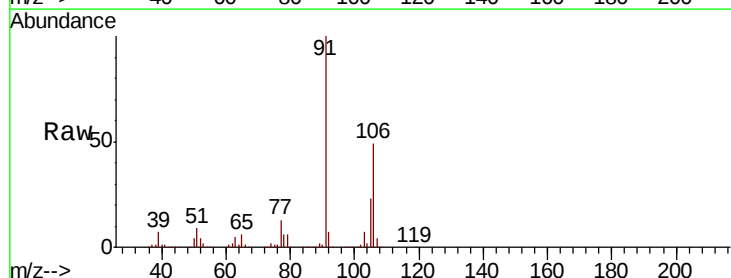
Manual Integrations
APPROVED

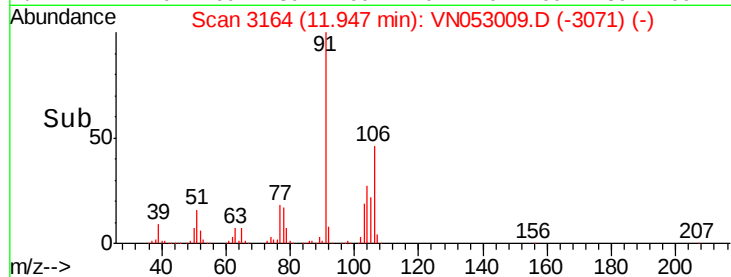
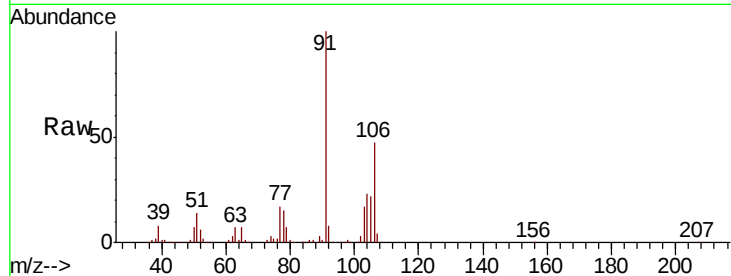
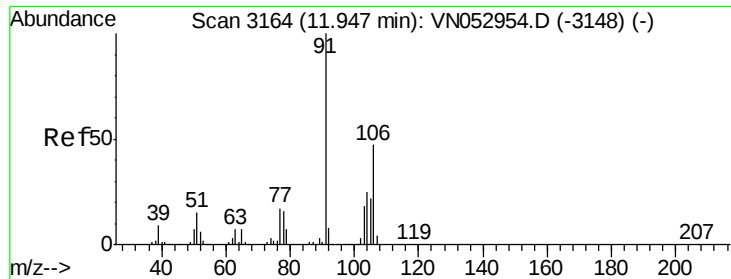
MMDadoda
12/20/2018 9:34:52 AM



#68
m/p-Xylenes
Concen: 39.162 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion: 106 Resp: 822585
Ion Ratio Lower Upper
106 100
91 202.8 162.2 243.4





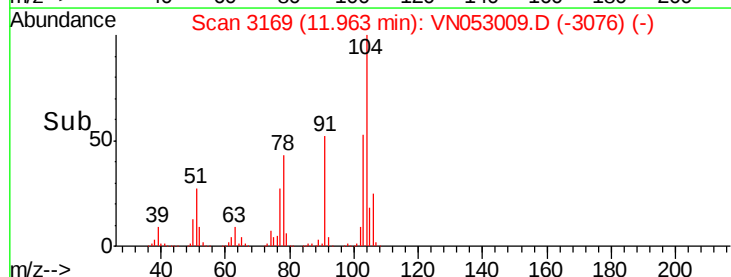
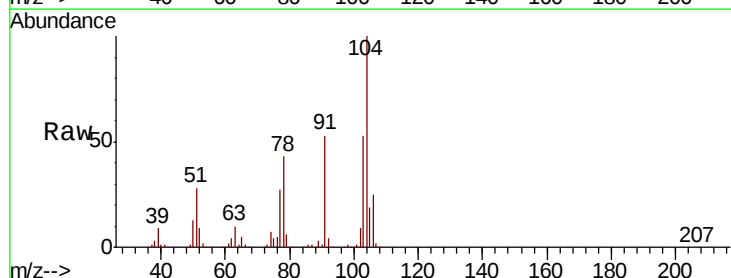
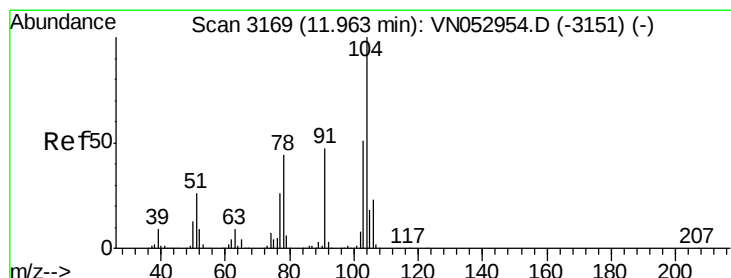
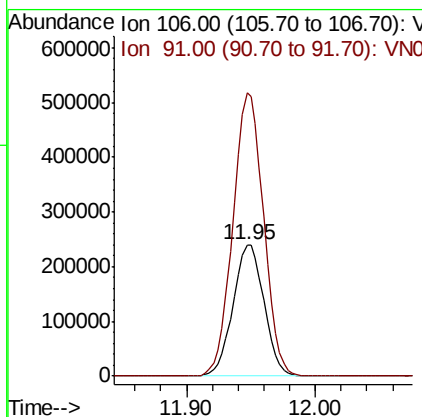
#69
o-Xylene
Concen: 19.838 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	399857		
91	213.6	106.6	319.8	

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

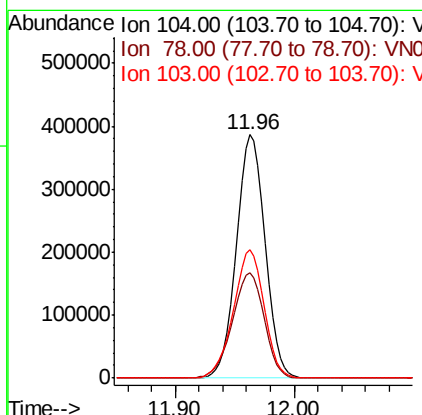
Manual Integrations
APPROVED

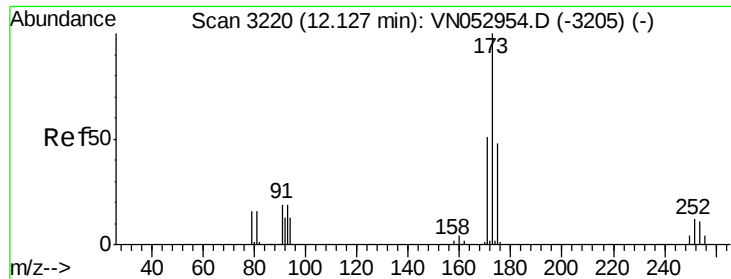
MMDadoda
12/20/2018 9:34:52 AM



#70
Styrene
Concen: 19.663 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	646229		
78	48.1	38.9	58.3	
103	56.4	44.3	66.5	





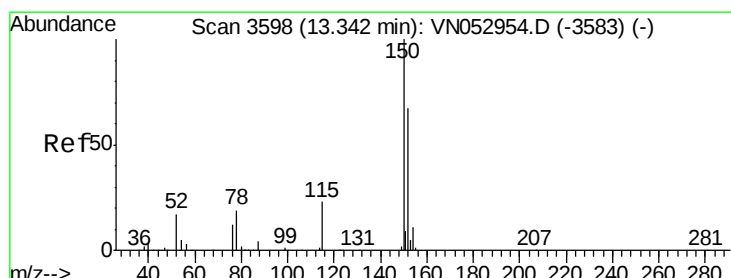
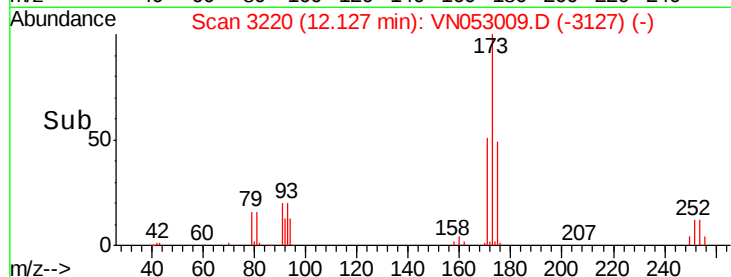
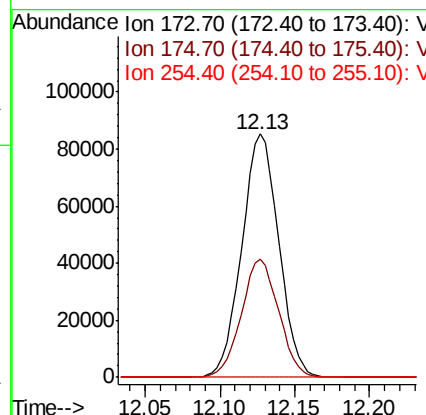
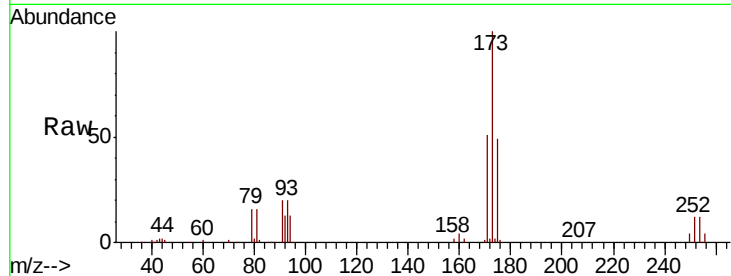
#71
Bromoform
Concen: 18.200 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.9
254	0.1	0.1	0.1

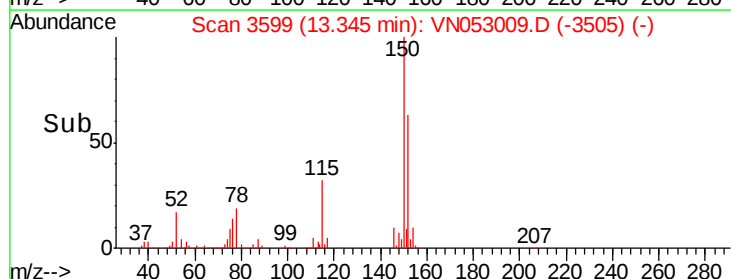
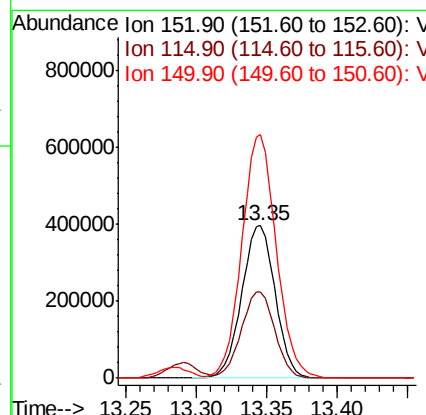
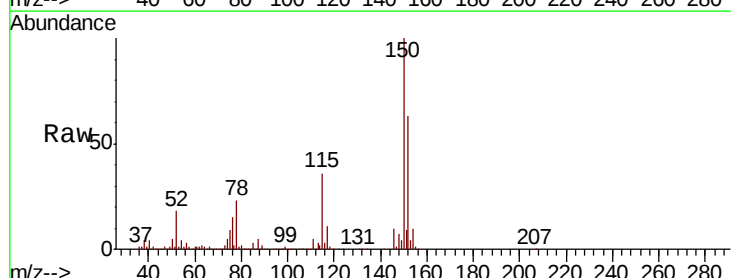
Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:52 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: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.3	85.0
150	164.8	0.0	347.8





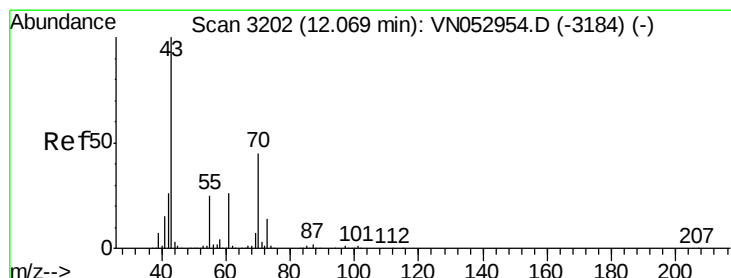
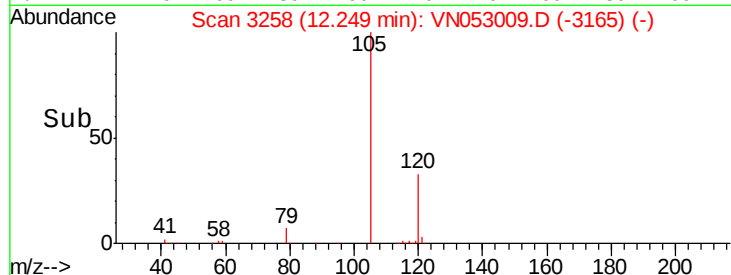
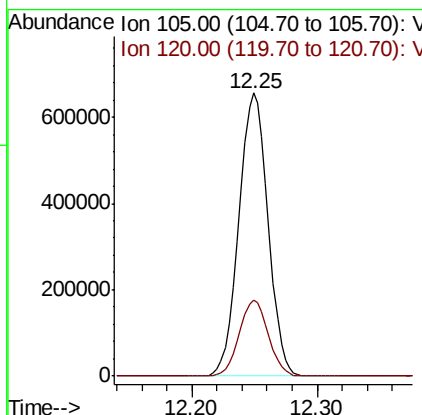
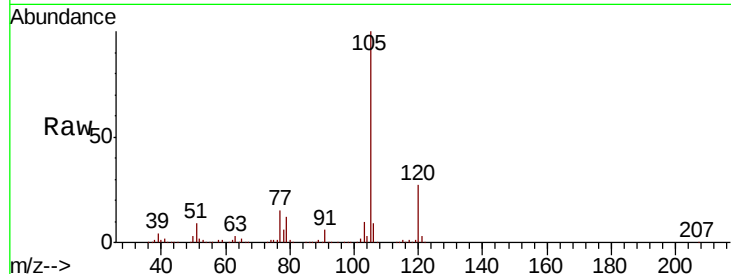
#73
Isopropylbenzene
Concen: 20.501 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion: 105 Resp: 1054701
Ion Ratio Lower Upper
105 100
120 26.9 13.3 39.9

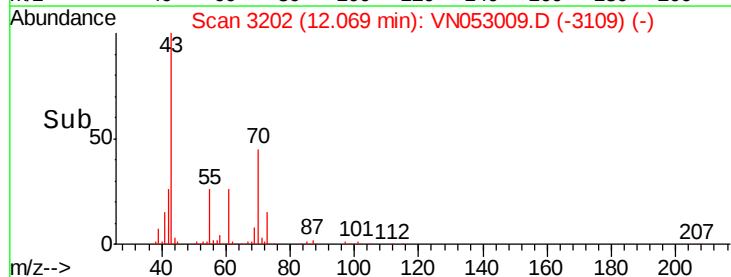
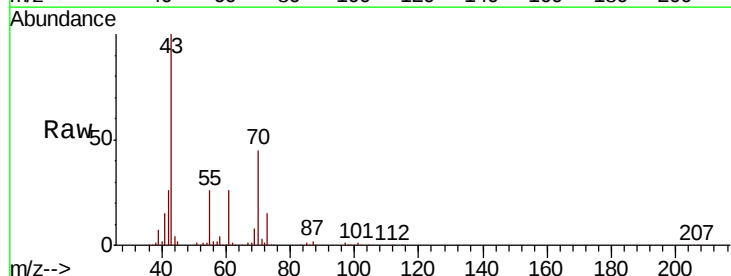
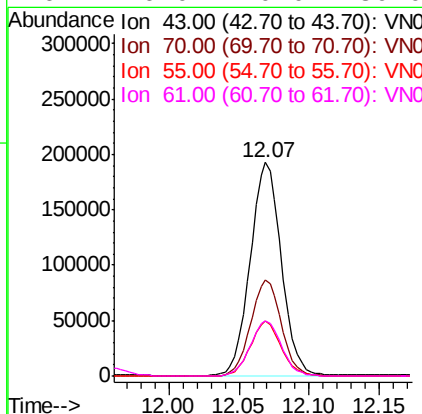
Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:52 AM



#74
N-ethyl acetate
Concen: 20.763 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion: 43 Resp: 296570
Ion Ratio Lower Upper
43 100
70 44.8 34.2 51.4
55 25.4 20.3 30.5
61 26.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.682 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS01

Tot Ion: 83 Resp: 218831
Ion Ratio Lower Upper

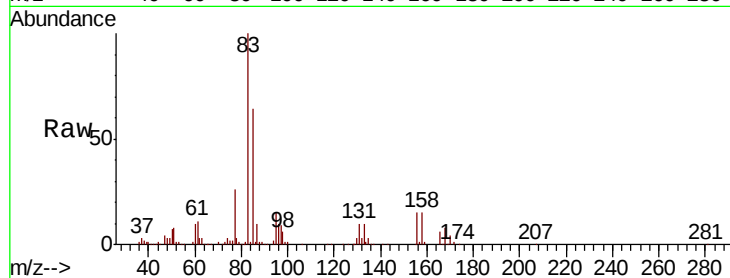
83 100

131 10.5 5.2 15.6

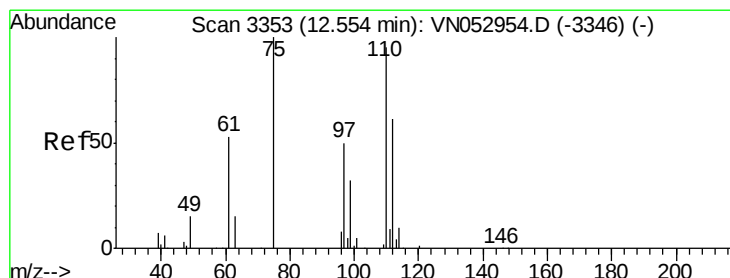
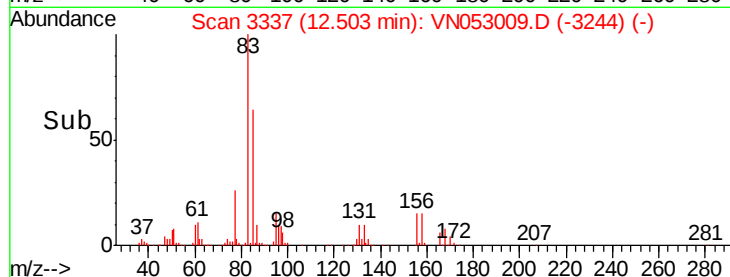
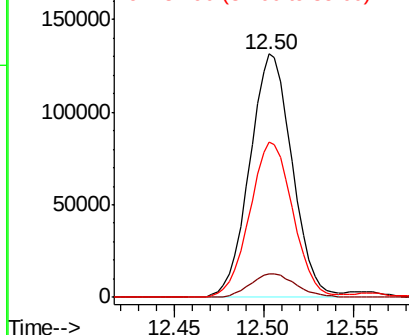
85 65.0 32.4 97.0

Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:52 AM



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



#76

1,2,3-Trichloropropane

Concen: 18.010 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

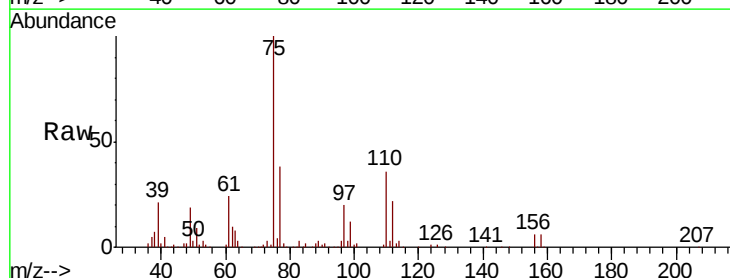
Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

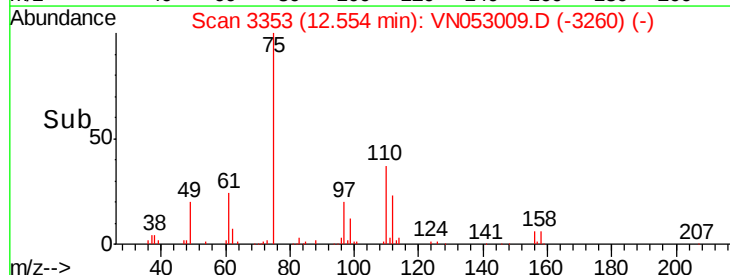
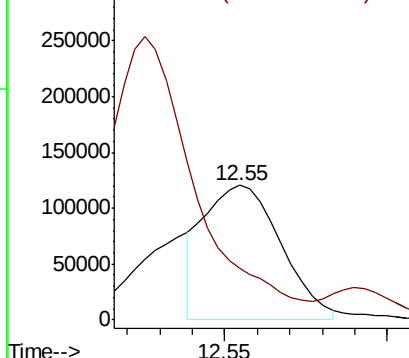
Tgt Ion: 75 Resp: 199348
Ion Ratio Lower Upper

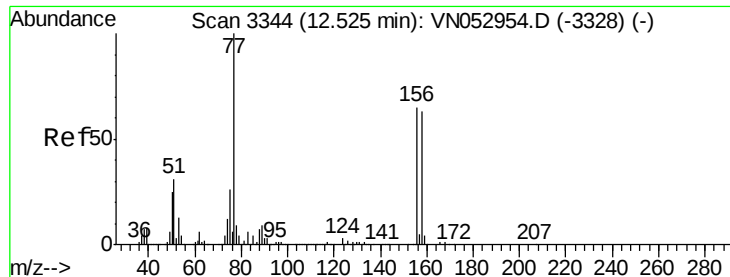
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 20.535 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

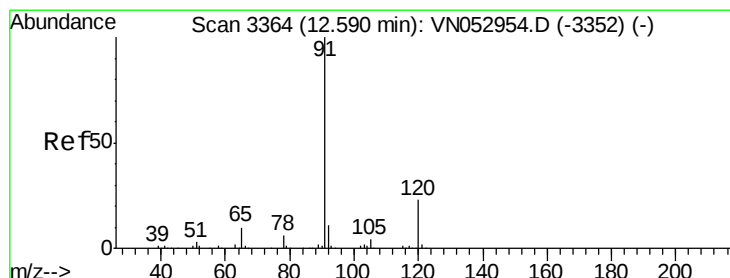
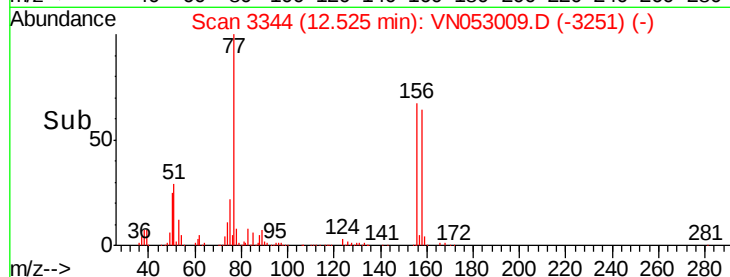
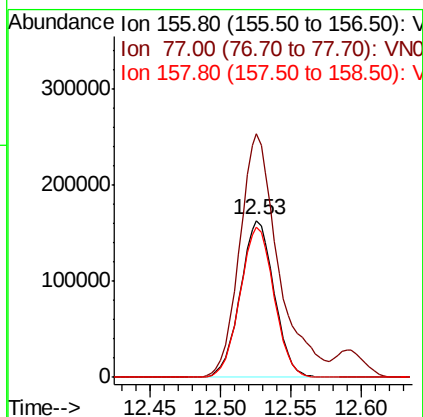
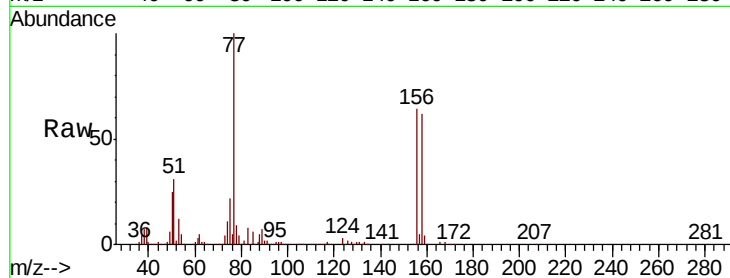
ClientSampleId :

VN1219MBS01

Tot Ion:	156	Resp:	274613
Ion Ratio	Lower	Upper	
156	100		
77	178.2	91.3	273.8
158	96.3	49.0	147.2

Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:52 AM



#78

n-propylbenzene

Concen: 20.086 ug/l

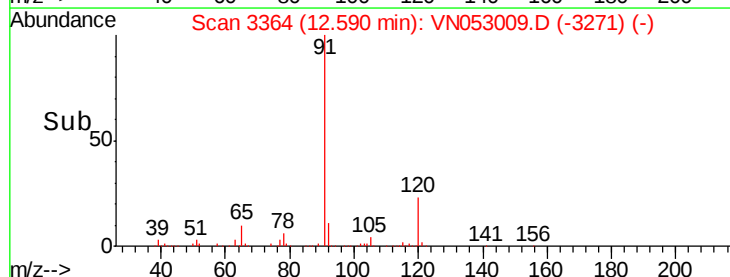
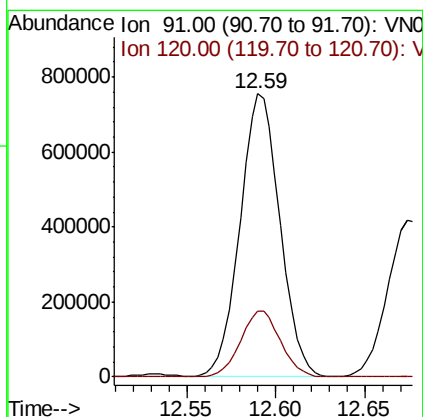
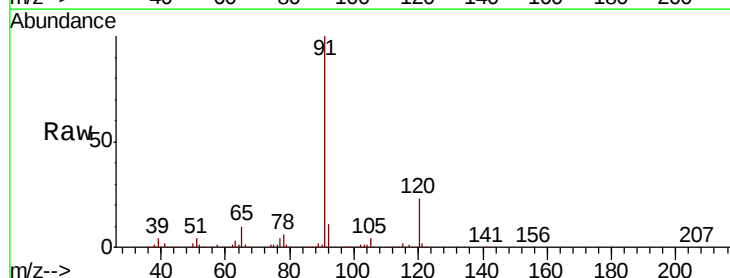
RT: 12.59 min Scan# 3364

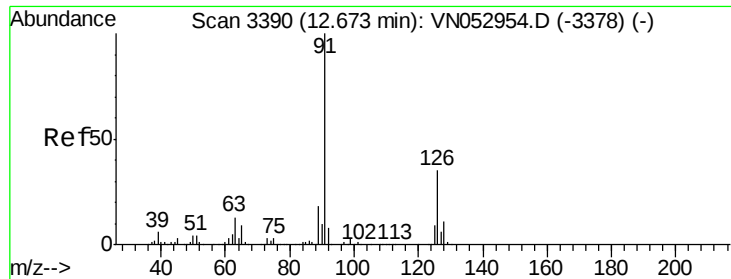
Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Tgt Ion:	91	Resp:	1176871
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5





#79

2-Chlorotoluene

Concen: 19.443 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS01

Tot Ion: 91 Resp: 706139

Ion Ratio Lower Upper

91 100

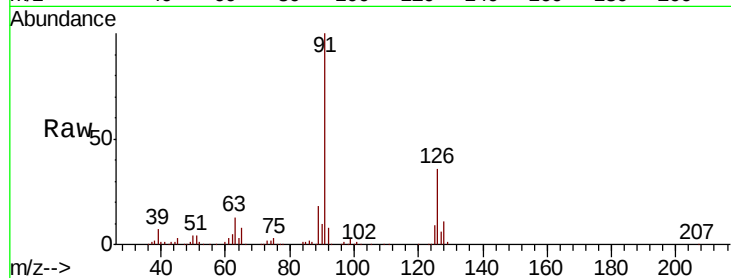
126 35.3 17.4 52.3

Manual Integrations

APPROVED

MMDadoda

12/20/2018 9:34:52 AM



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052954.D (-3378) (-)

800000

600000

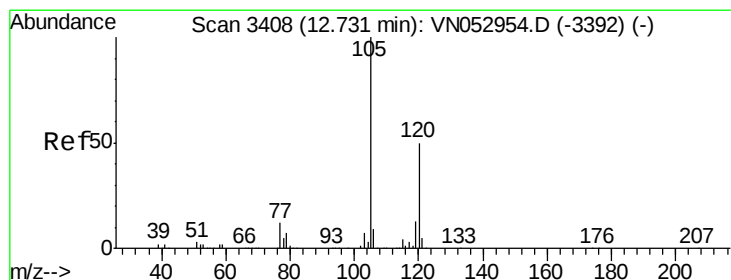
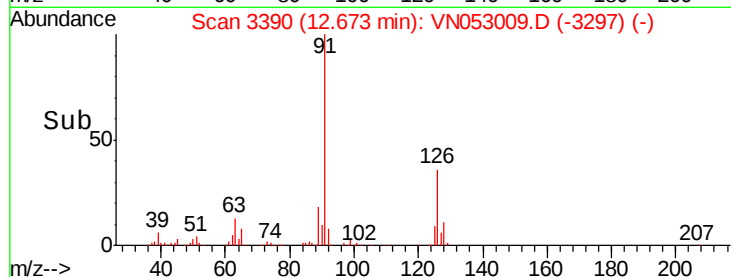
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.996 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053009.D

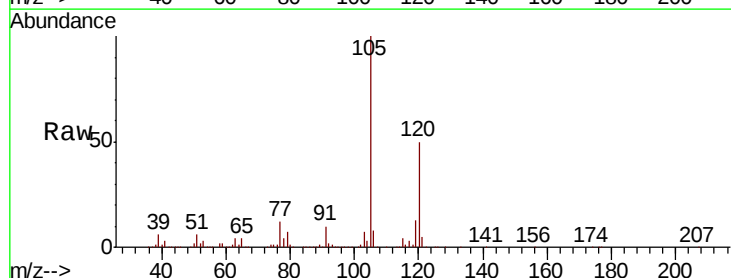
Acq: 19 Dec 2018 14:23

Tgt Ion: 105 Resp: 838487

Ion Ratio Lower Upper

105 100

120 49.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3392) (-)

600000

500000

400000

300000

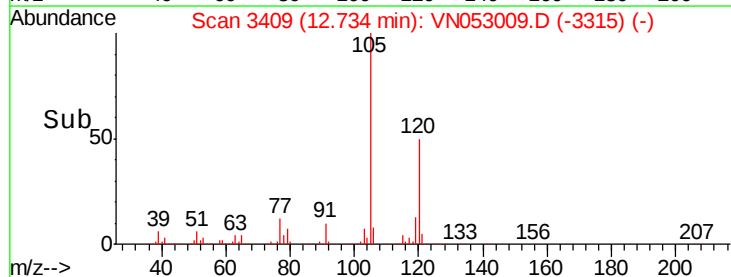
200000

100000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.256 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS01

Tot Ion: 75 Resp: 62695

Ion Ratio Lower Upper

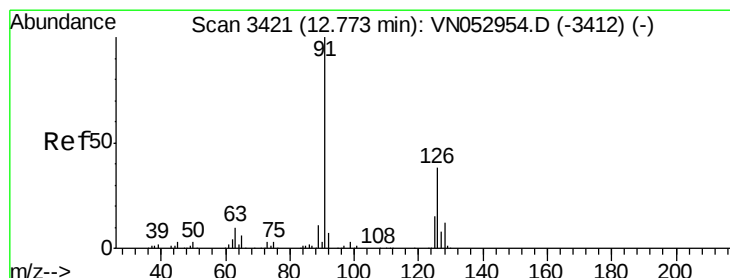
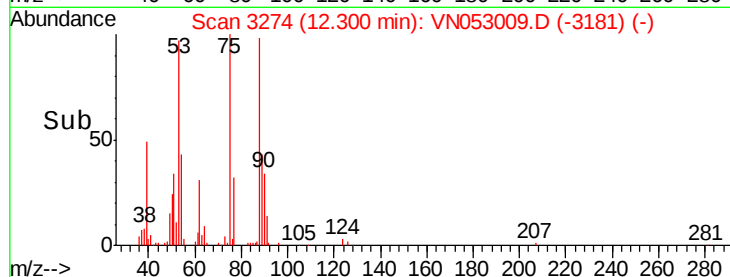
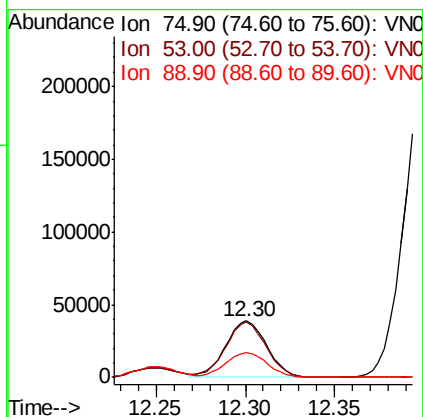
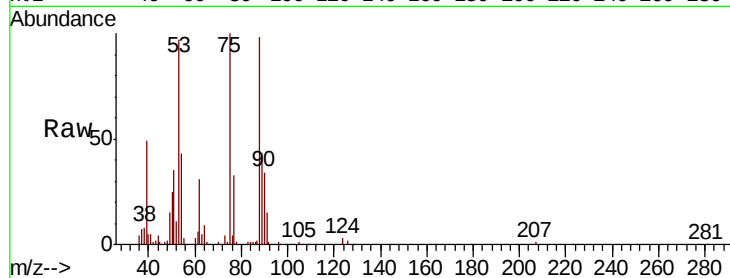
75 100

53 97.1 74.7 112.1

89 44.1 36.1 54.1

Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:52 AM



#82

4-Chlorotoluene

Concen: 19.817 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053009.D

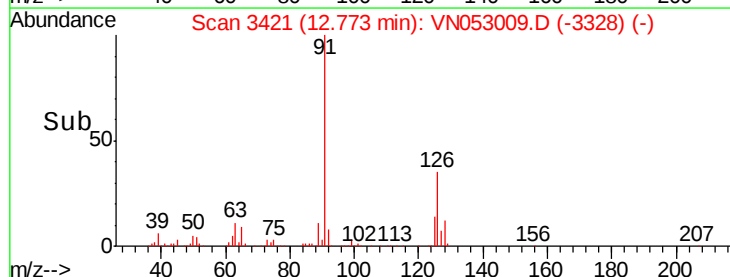
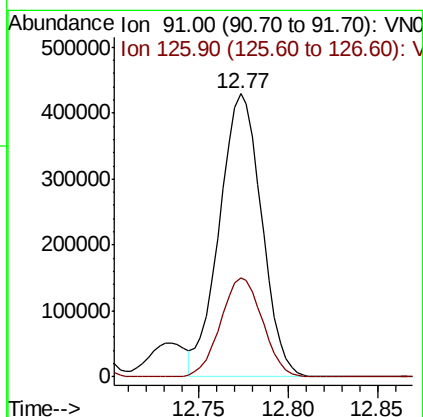
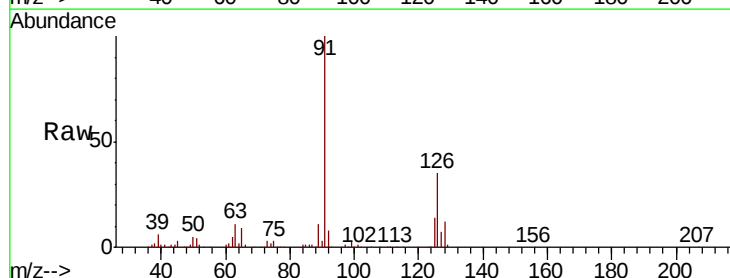
Acq: 19 Dec 2018 14:23

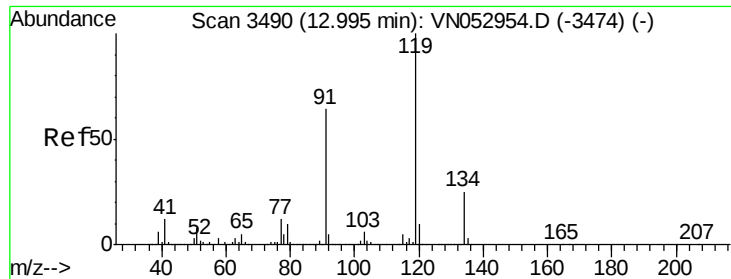
Tgt Ion: 91 Resp: 704537

Ion Ratio Lower Upper

91 100

126 34.9 17.3 51.7





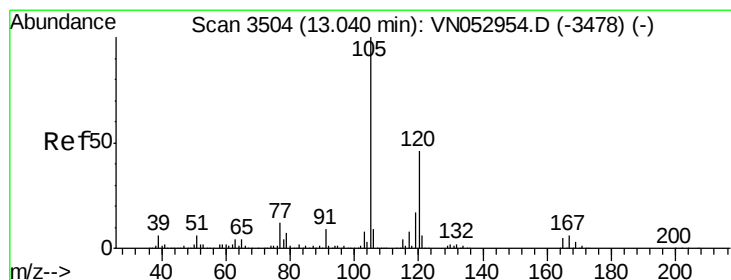
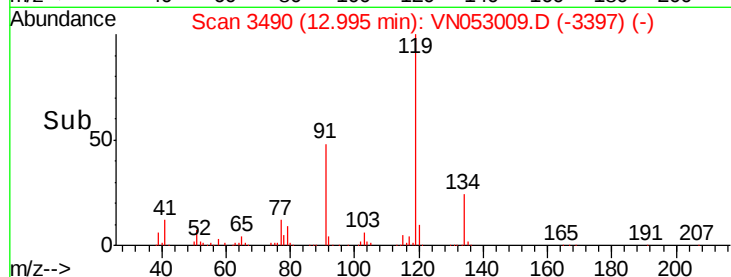
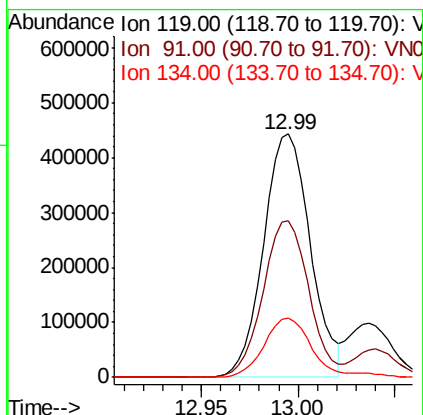
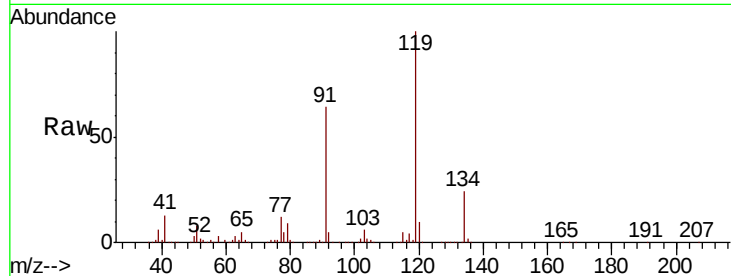
#83
tert-Butylbenzene
Concen: 20.120 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.7	31.9	95.5
134	25.3	12.8	38.4

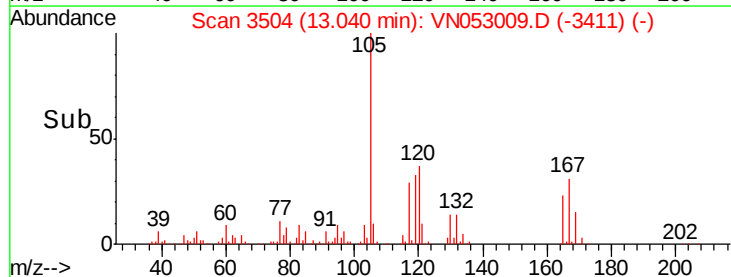
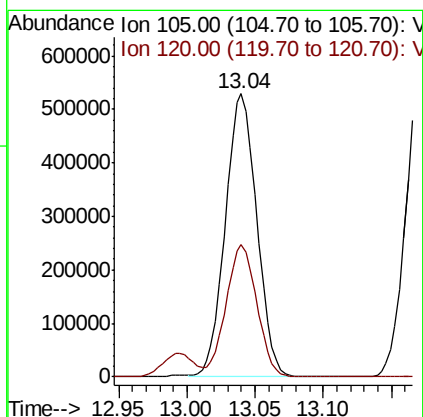
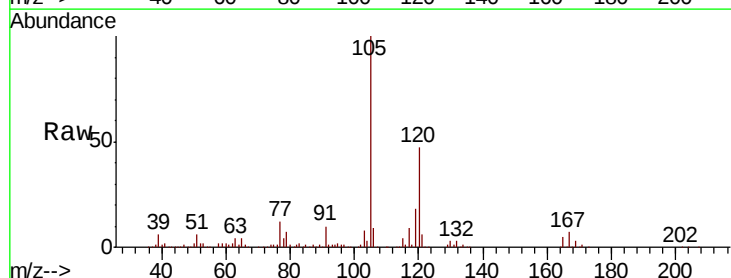
Manual Integrations
APPROVED

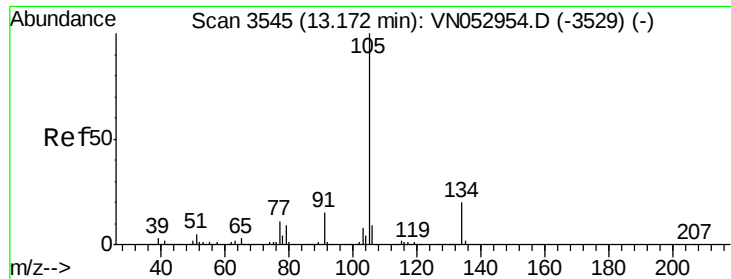
MMDadoda
12/20/2018 9:34:52 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.122 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.9	68.8





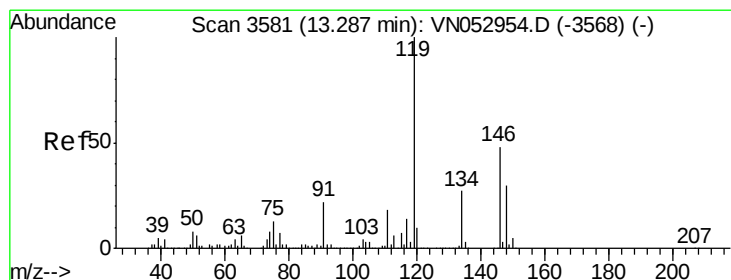
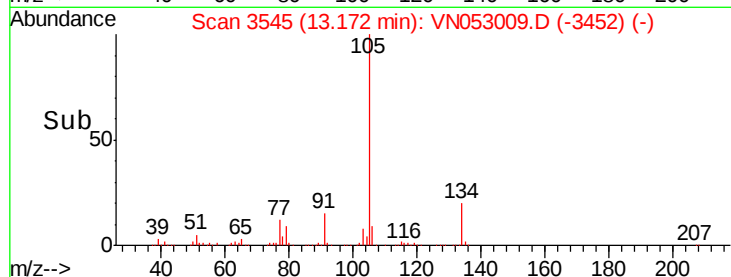
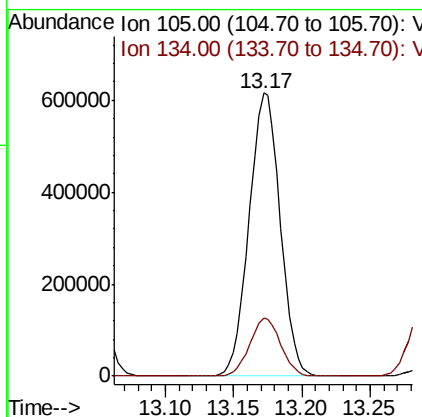
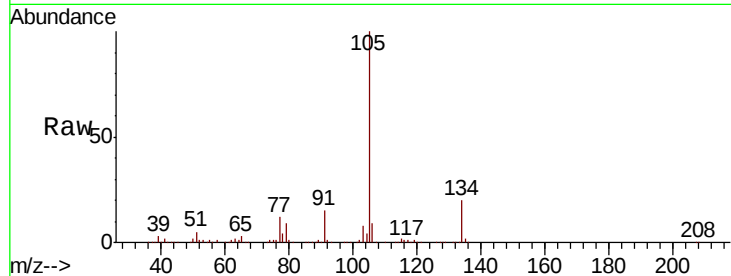
#85
 sec-Butylbenzene
 Concen: 19.377 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.1	30.3

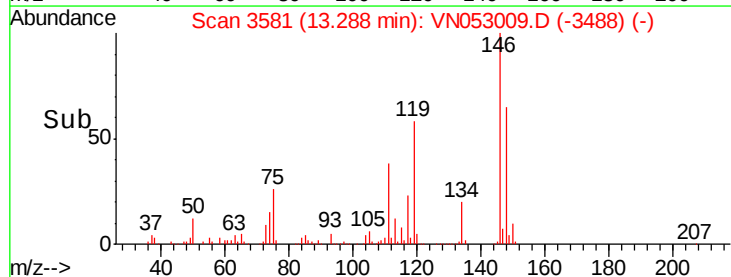
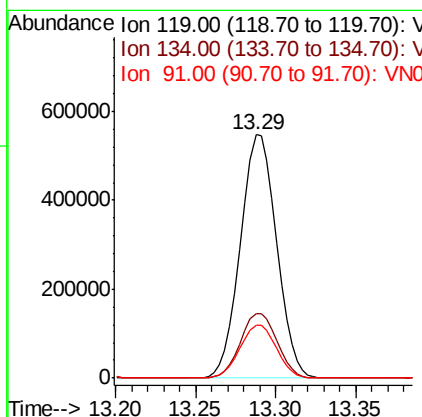
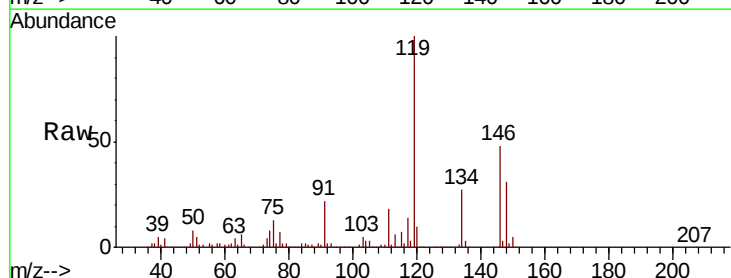
Manual Integrations
 APPROVED

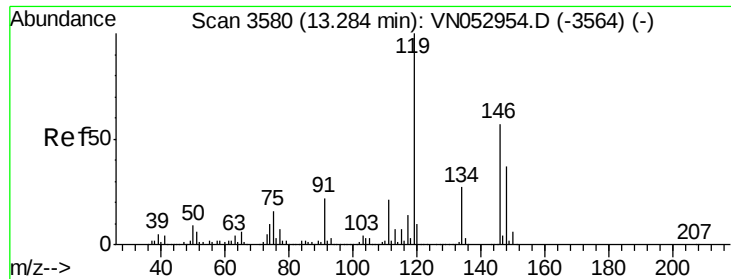
MMDadoda
 12/20/2018 9:34:52 AM



#86
 p-Isopropyltoluene
 Concen: 19.434 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.4	40.2
91	21.9	11.1	33.3





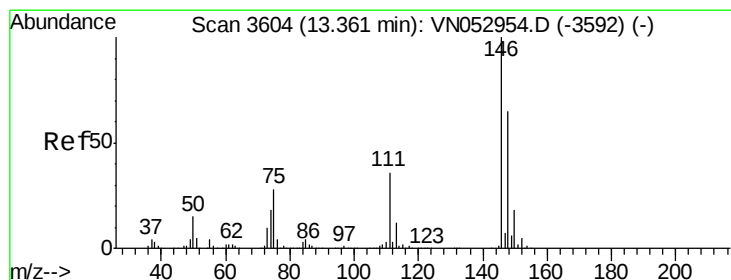
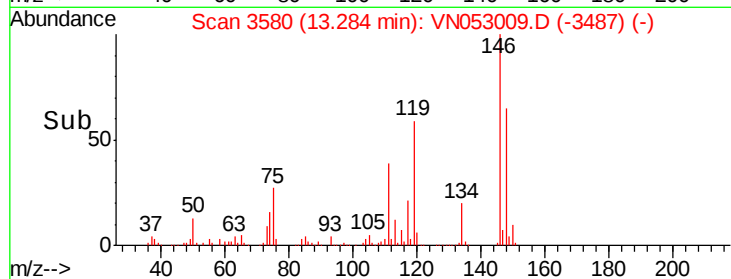
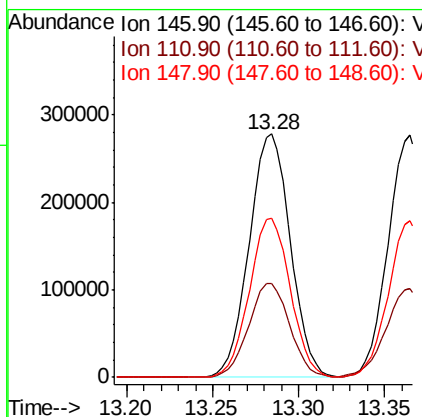
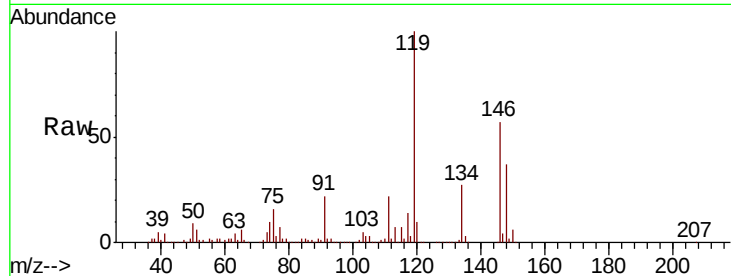
#87
 1,3-Dichlorobenzene
 Concen: 19.541 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.1
148	64.8	32.0	96.0

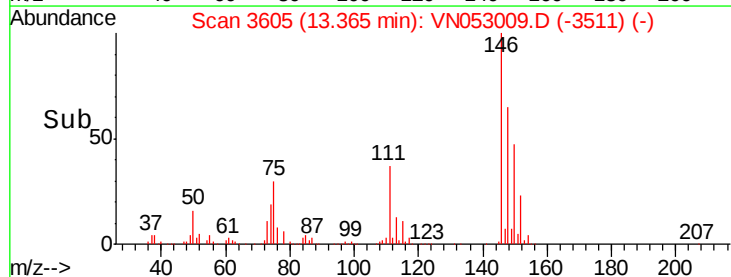
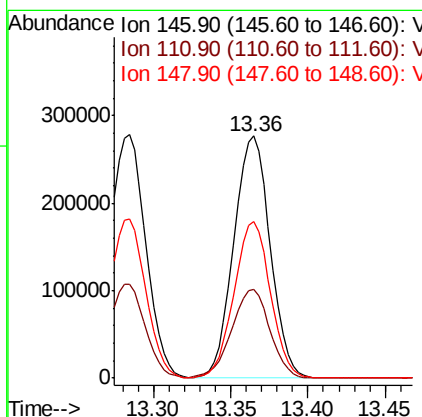
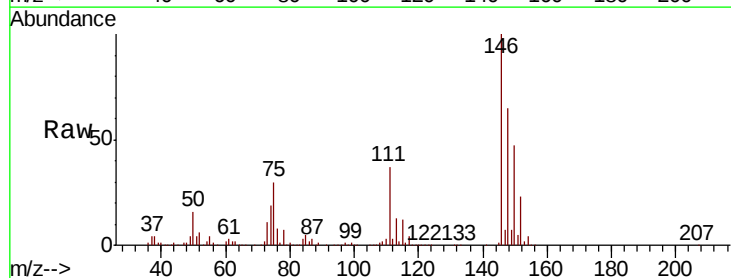
Manual Integrations
 APPROVED

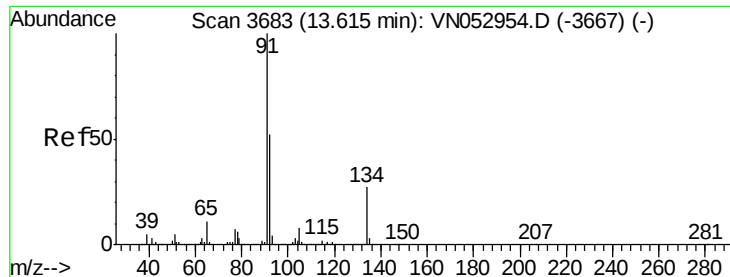
MMDadoda
 12/20/2018 9:34:52 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.847 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.6	55.8
148	64.7	32.1	96.5





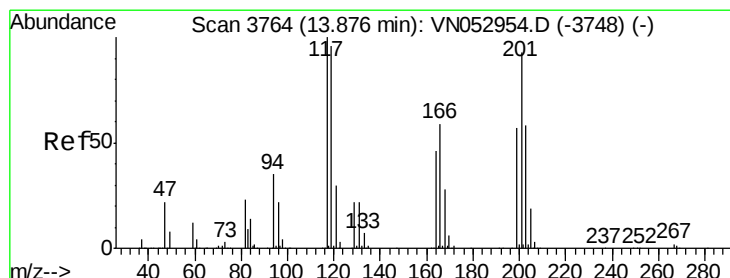
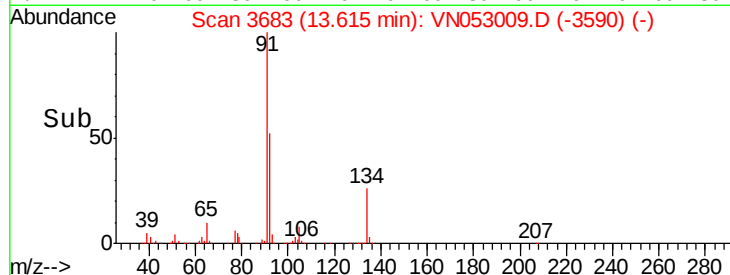
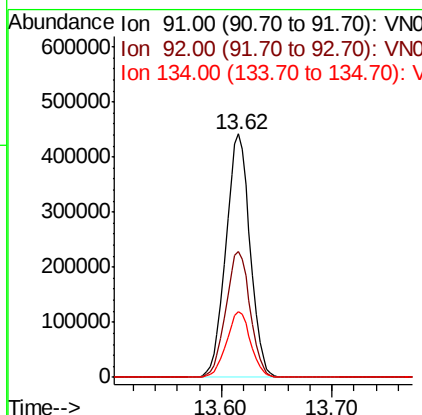
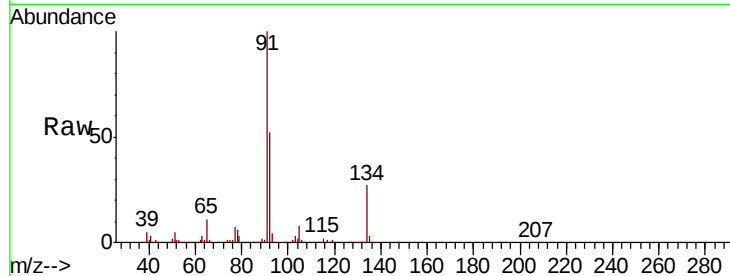
#89
n-Butylbenzene
Concen: 17.972 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.9
134	26.9	13.3	39.8

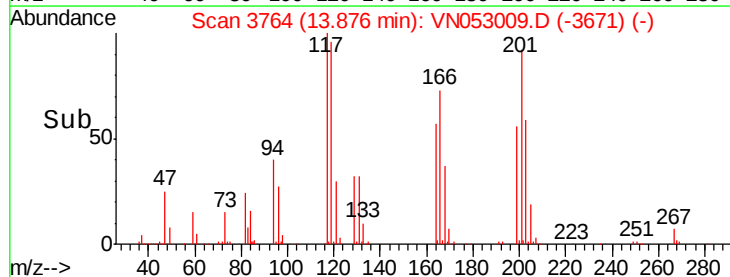
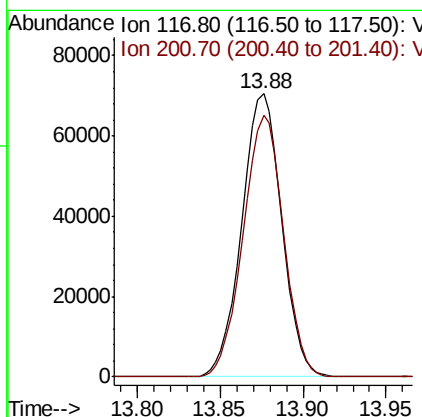
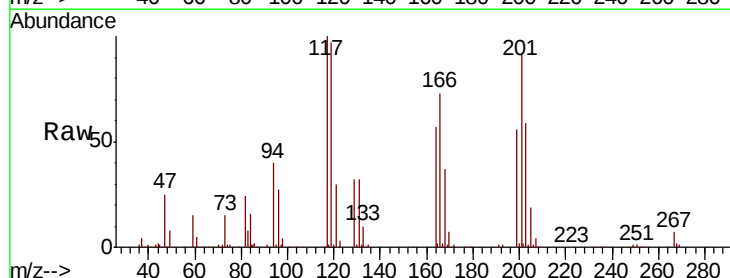
Manual Integrations
APPROVED

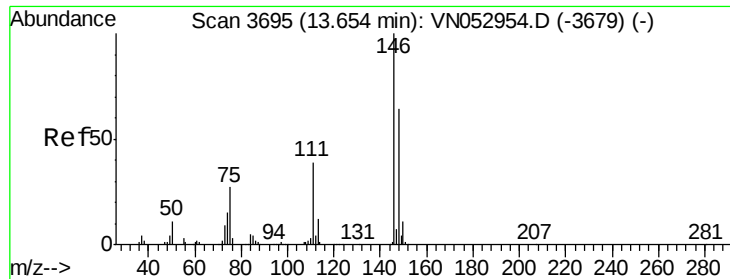
MMDadoda
12/20/2018 9:34:52 AM



#90
Hexachloroethane
Concen: 17.775 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.0	45.7	137.1





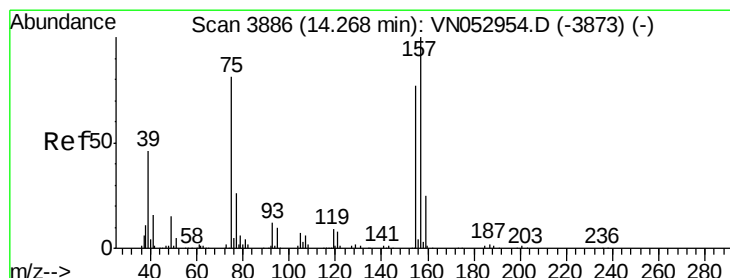
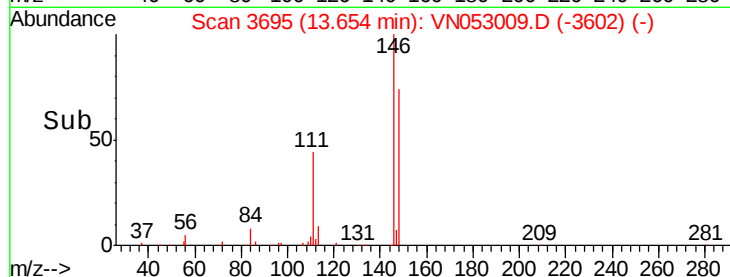
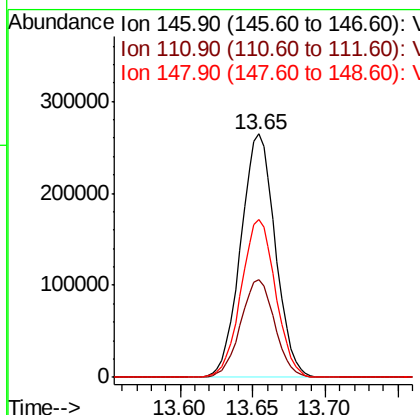
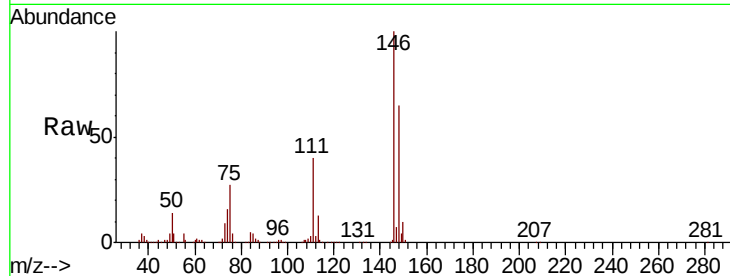
#91
 1,2-Dichlorobenzene
 Concen: 19.646 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.0
148	64.8	32.0	96.0

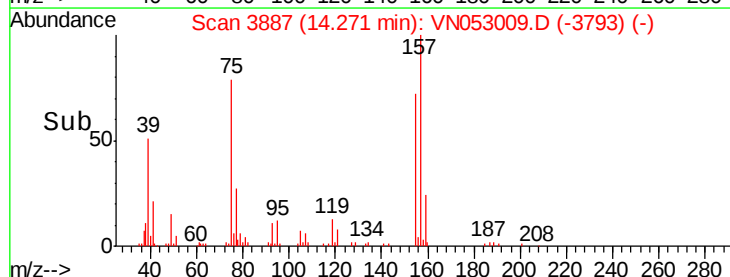
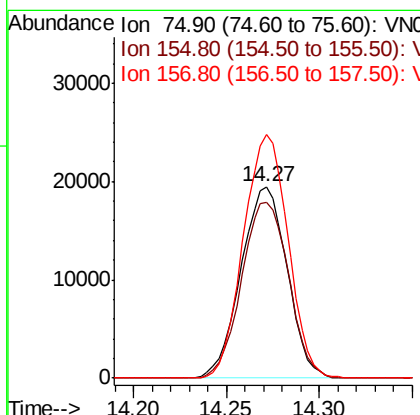
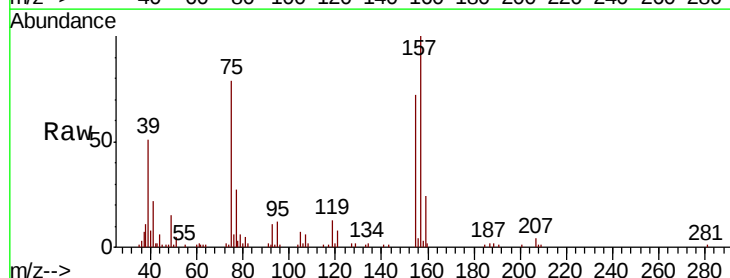
Manual Integrations
 APPROVED

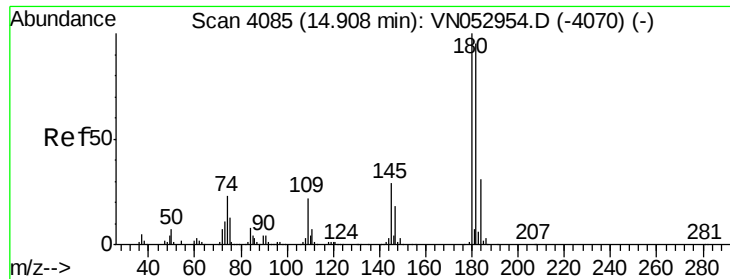
MMDadoda
 12/20/2018 9:34:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.277 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.6	48.2	144.6
157	123.2	61.2	183.5





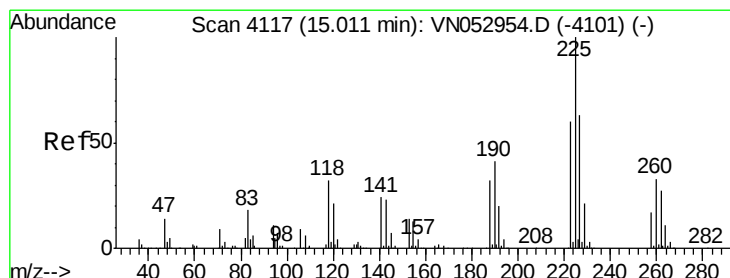
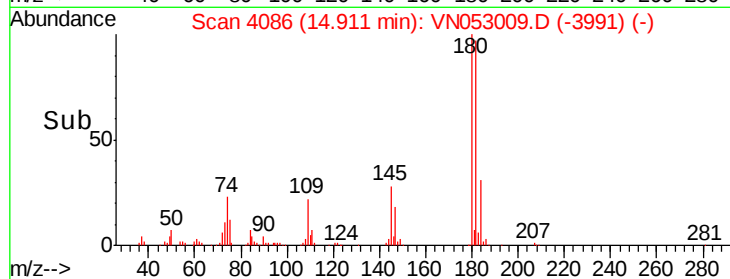
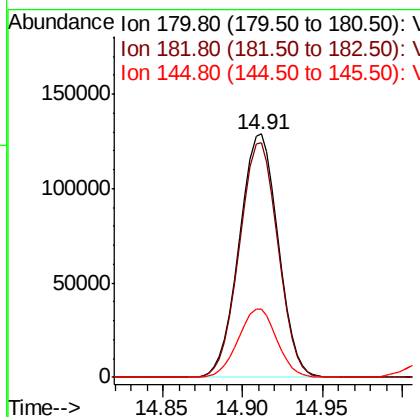
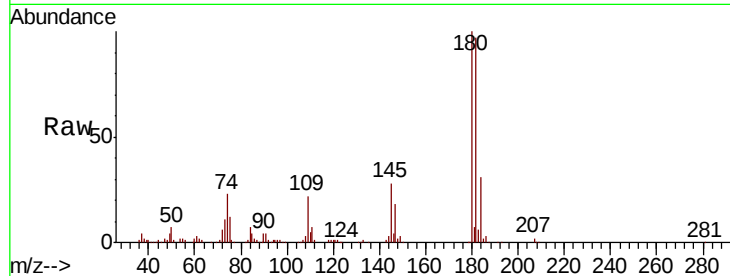
#93
 1,2,4-Trichlorobenzene
 Concen: 18.450 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	213249		
182	95.8	47.8	143.3	
145	27.9	14.2	42.6	

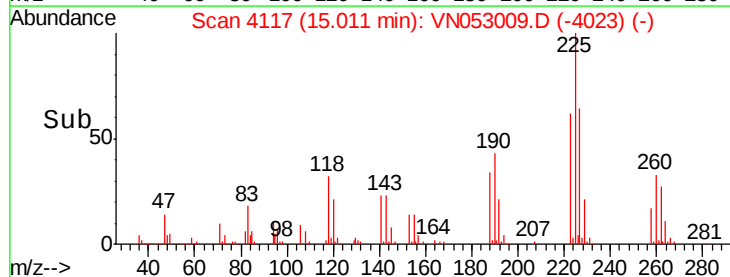
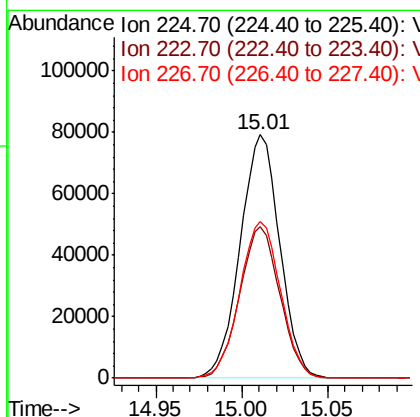
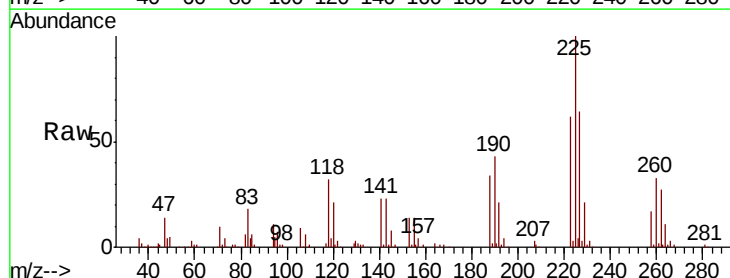
Manual Integrations
 APPROVED

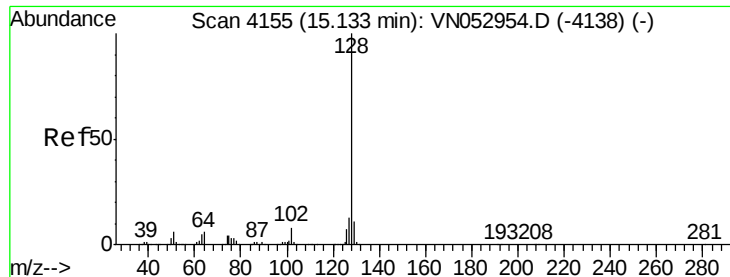
MMDadoda
 12/20/2018 9:34:52 AM



#94
 Hexachlorobutadiene
 Concen: 18.979 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126861		
223	63.3	31.5	94.5	
227	66.3	31.9	95.7	





#95

Naphthalene

Concen: 18.741 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

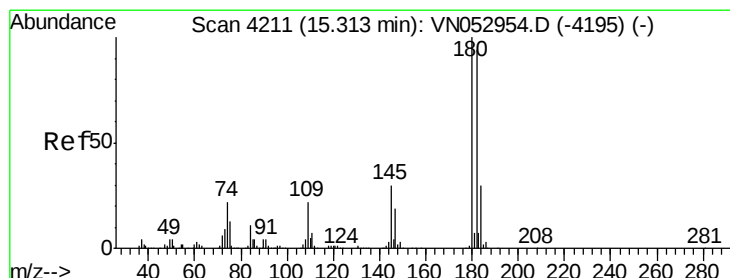
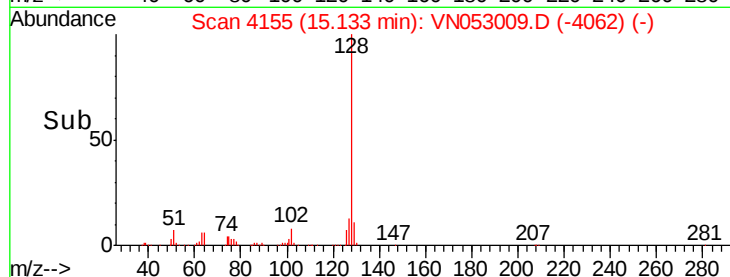
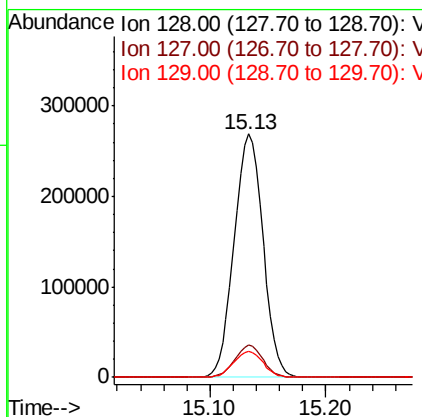
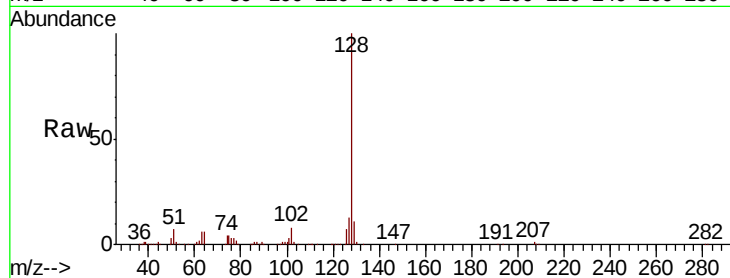
ClientSampleId :

VN1219MBS01

Tot Ion:	128	Resp:	465526
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:34:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.804 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Tgt Ion:	180	Resp:	196444
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.9	143.7
145	30.4	15.0	45.0

