

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\
 Data File : VN051696.D
 Acq On : 5 Oct 2018 19:32
 Operator : MD\SY
 Sample : VN1006MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006MBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 12:50:05 PM

Quant Time: Oct 06 01:53:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	479935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	737276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	660753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	318622	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	317008	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	7.59	113	286965	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.09	98	1041510	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.40	95	318335	42.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	122310	21.058	ug/l	100
3) Chloromethane	2.06	50	119081	21.742	ug/l	99
4) Vinyl Chloride	2.18	62	183099	21.222	ug/l	97
5) Bromomethane	2.57	94	135574	20.433	ug/l	98
6) Chloroethane	2.70	64	125369	21.620	ug/l	99
7) Trichlorofluoromethane	3.01	101	196880	21.138	ug/l	96
8) Diethyl Ether	3.41	74	54203	21.559	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	96907	20.208	ug/l	98
10) Methyl Iodide	3.96	142	90492	15.943	ug/l #	95
11) Tert butyl alcohol	4.80	59	40512	94.020	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	90620	20.275	ug/l	98
13) Acrolein	3.61	56	27183	100.979	ug/l	97
14) Allyl chloride	4.33	41	129796	19.040	ug/l	96
15) Acrylonitrile	4.99	53	143118	96.253	ug/l	99
16) Acetone	3.82	43	104560	86.093	ug/l	99
17) Carbon Disulfide	4.05	76	254309	18.719	ug/l	99
18) Methyl Acetate	4.33	43	74443	21.273	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	282957	19.180	ug/l	99
20) Methylene Chloride	4.56	84	104638	20.060	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	97087	18.331	ug/l	92
22) Diisopropyl ether	5.96	45	280148	19.172	ug/l	97
23) Vinyl Acetate	5.90	43	1027509	95.632	ug/l	100
24) 1,1-Dichloroethane	5.85	63	180304	19.186	ug/l	99
25) 2-Butanone	6.84	43	172377	94.154	ug/l	97
26) 2,2-Dichloropropane	6.83	77	167030	17.736	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	116500	18.948	ug/l	96
28) Bromochloromethane	7.20	49	85248	20.489	ug/l	99
29) Tetrahydrofuran	7.21	42	110136	98.029	ug/l	99
30) Chloroform	7.37	83	198058	18.757	ug/l	98
31) Cyclohexane	7.65	56	161075	18.715	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	186743	18.246	ug/l	99
36) 1,1-Dichloropropene	7.79	75	140222	18.196	ug/l	100
37) Ethyl Acetate	6.93	43	79808	19.856	ug/l	99
38) Carbon Tetrachloride	7.78	117	164682	17.809	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	173006	17.884	ug/l	98
40) Benzene	8.04	78	419087	18.345	ug/l	97
41) Methacrylonitrile	7.18	41	36159	17.265	ug/l	93
42) 1,2-Dichloroethane	8.13	62	144476	18.765	ug/l	99
43) Isopropyl Acetate	8.17	43	163060	19.459	ug/l #	89
44) Trichloroethene	8.84	130	118576	18.280	ug/l	95
45) 1,2-Dichloropropane	9.12	63	105526	18.683	ug/l	100
46) Dibromomethane	9.21	93	72748	18.530	ug/l	99
47) Bromodichloromethane	9.40	83	159807	18.491	ug/l	98
48) Methyl methacrylate	9.20	41	71913	18.781	ug/l	98
49) 1,4-Dioxane	9.20	88	20908	364.147	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	419932	98.894	ug/l	98
52) Toluene	10.16	92	269697	17.750	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	151650	17.005	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	168390	17.781	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	100244	18.520	ug/l	98
56) Ethyl methacrylate	10.43	69	124378	18.170	ug/l	94
57) 1,3-Dichloropropane	10.71	76	158258	18.473	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	284015	100.255	ug/l	99
59) 2-Hexanone	10.75	43	268623	93.149	ug/l	94
60) Dibromochloromethane	10.90	129	123606	17.450	ug/l	99
61) 1,2-Dibromoethane	11.01	107	101517	17.741	ug/l	100
64) Tetrachloroethene	10.63	164	112307	19.265	ug/l	97
65) Chlorobenzene	11.44	112	301596	18.430	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	119784	18.281	ug/l	98
67) Ethyl Benzene	11.51	91	522500	18.472	ug/l	99
68) m/p-Xylenes	11.62	106	398698	35.229	ug/l	98
69) o-Xylene	11.95	106	201177	18.126	ug/l	99
70) Styrene	11.96	104	306750	17.344	ug/l	99
71) Bromoform	12.13	173	81037	16.627	ug/l #	96
73) Isopropylbenzene	12.25	105	533588	19.646	ug/l	100
74) N-amyl acetate	12.07	43	125717	20.456	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	120174	20.540	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	96805m	22.168	ug/l	
77) Bromobenzene	12.53	156	129757	19.539	ug/l	98
78) n-propylbenzene	12.59	91	577230	19.485	ug/l	98
79) 2-Chlorotoluene	12.68	91	334004	19.130	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	436430	19.067	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	30283	17.471	ug/l	92
82) 4-Chlorotoluene	12.77	91	327980	18.700	ug/l	99
83) tert-Butylbenzene	12.99	119	406949	19.842	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	438905	19.144	ug/l	98
85) sec-Butylbenzene	13.17	105	533150	19.652	ug/l	98
86) p-Isopropyltoluene	13.29	119	456586	18.984	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	217468	18.792	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	204839	17.983	ug/l	99
89) n-Butylbenzene	13.62	91	348817	18.343	ug/l	99
90) Hexachloroethane	13.88	117	90727	18.907	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	219596	19.089	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18950	19.861	ug/l	94

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ALS Vial : 26 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBSD01

Manual Integrations
APPROVED

MMDadoda
10/8/2018 12:50:05 PM

Quant Time: Oct 06 01:53:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 05 02:22:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	86411	16.880	ug/l	98
94) Hexachlorobutadiene	15.01	225	66441	19.130	ug/l	99
95) Naphthalene	15.13	128	187608	16.971	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	90704	17.991	ug/l	97

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

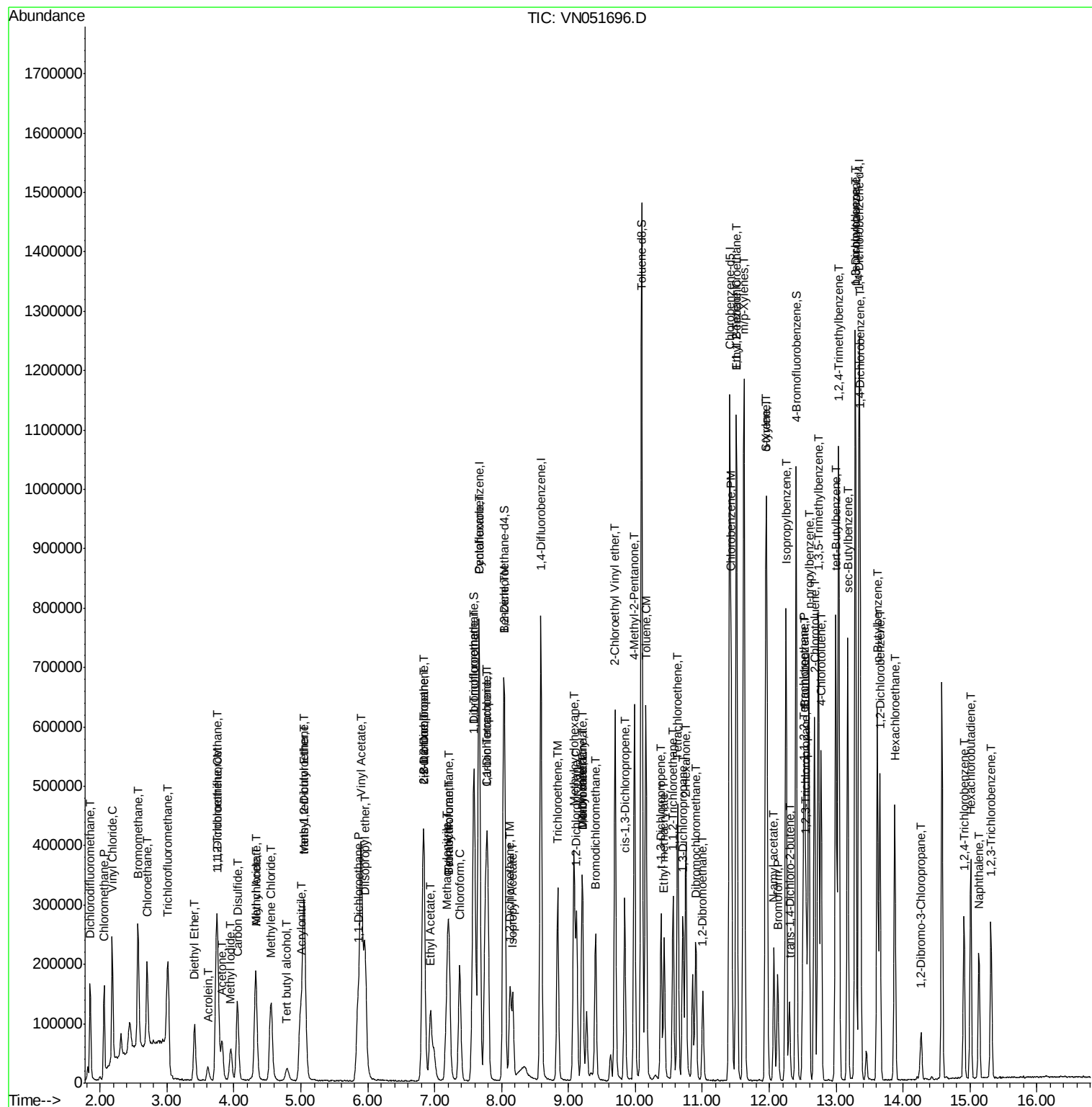
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 Data File : VN051696.D
 Acq On : 5 Oct 2018 19:32
 Operator : MD\SY
 Sample : VN1006MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 26 Sample Multiplier: 28

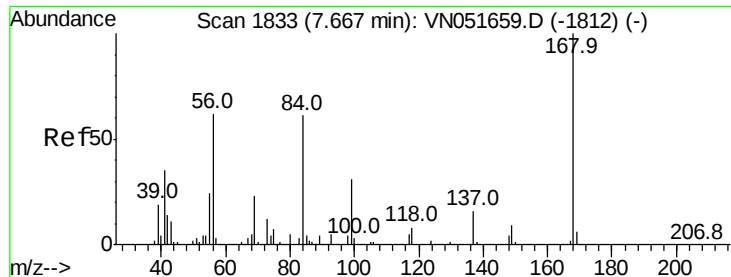
Instrument :
 MSVOA_N
 Client Sample Id :
 VN1006MBS01

Manual Integrations
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MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1006MBSD01

Tot Ion:168 Resp: 479935

Ion Ratio Lower Upper

168 100

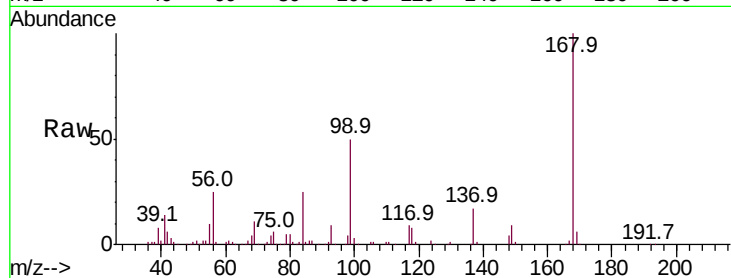
99 49.3 40.4 60.6

Manual Integrations

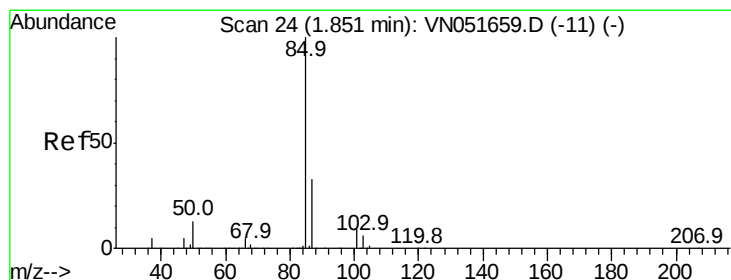
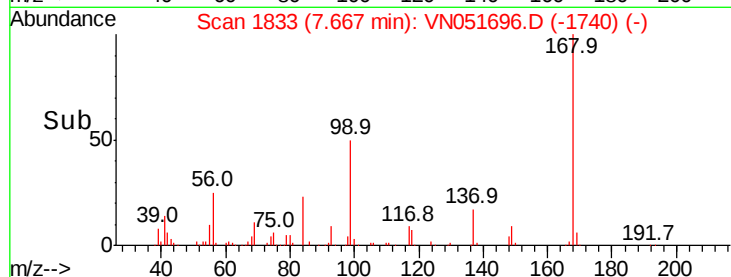
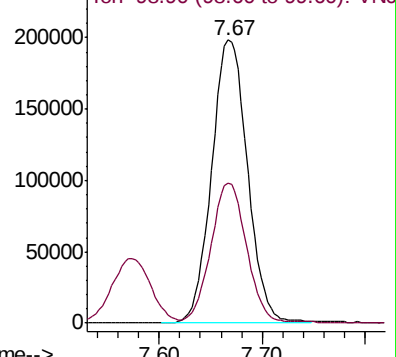
APPROVED

MMDadoda

10/8/2018 12:50:05 PM



Abundance Ion 167.90 (167.60 to 168.60): VN051696.D (-1740) (-)



#2

Dichlorodifluoromethane

Concen: 21.058 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051696.D

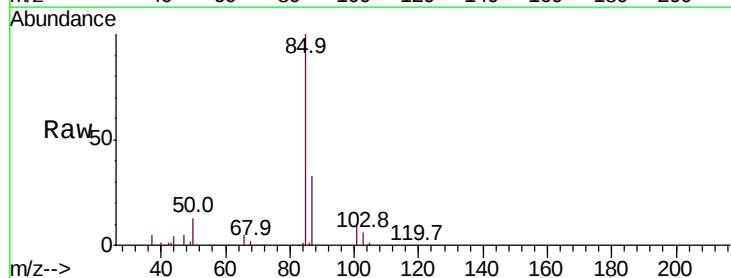
Acq: 5 Oct 2018 19:32

Tgt Ion: 85 Resp: 122310

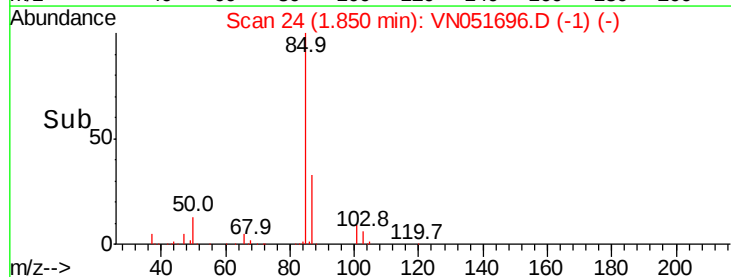
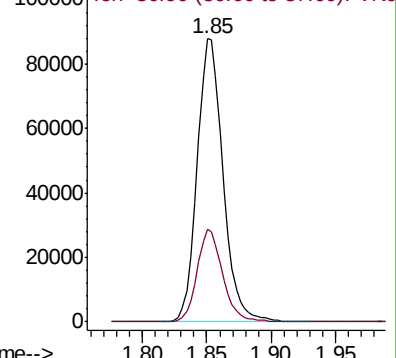
Ion Ratio Lower Upper

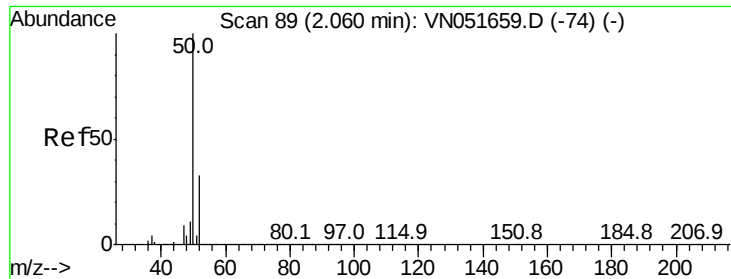
85 100

87 32.6 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN051696.D (-1) (-)





#3

Chloromethane

Concen: 21.742 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1006MBSD01

Tot Ion: 50 Resp: 119081

Ion Ratio Lower Upper

50 100

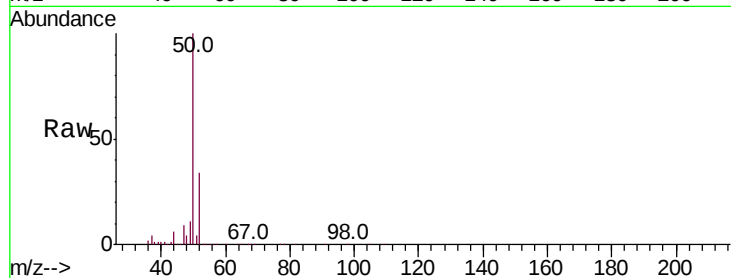
52 33.7 26.6 39.8

Manual Integrations

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10/8/2018 12:50:05 PM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

100000

80000

60000

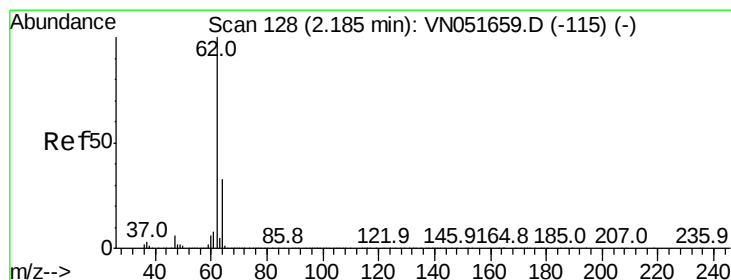
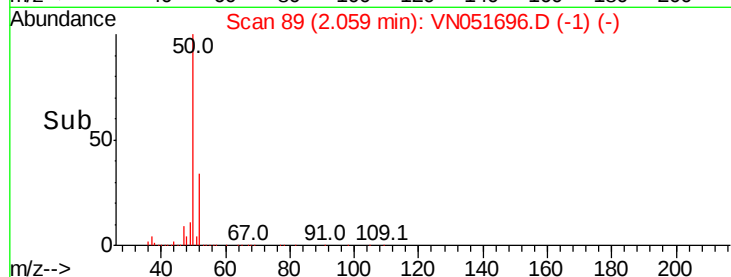
40000

20000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 21.222 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051696.D

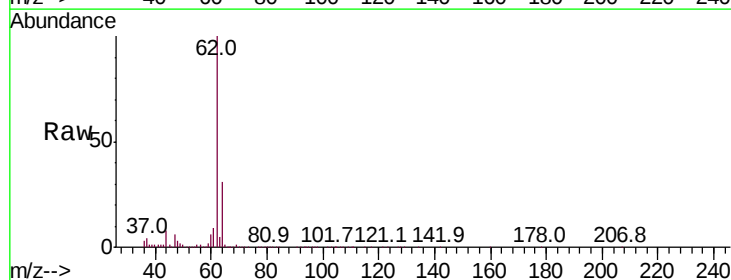
Acq: 5 Oct 2018 19:32

Tgt Ion: 62 Resp: 183099

Ion Ratio Lower Upper

62 100

64 30.9 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

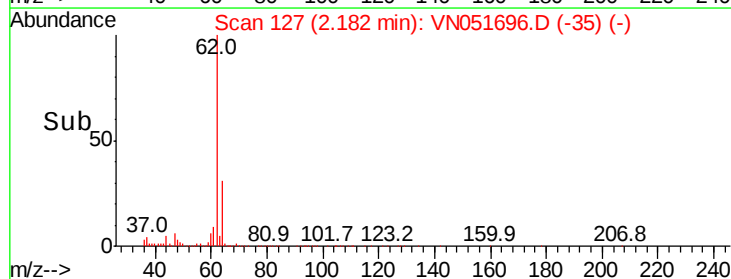
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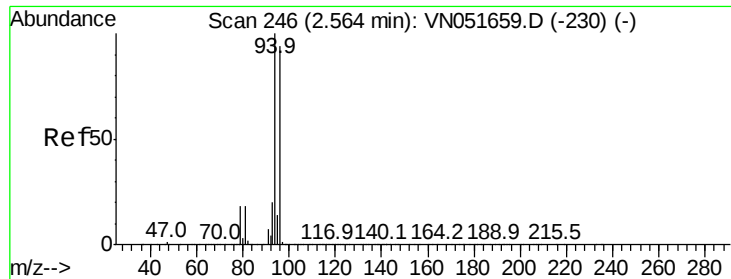
50000

0

Time-->

2.10 2.15 2.20 2.25 2.30





#5

Bromomethane

Concen: 20.433 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1006MBSD01

Tot Ion: 94 Resp: 135574

Ion Ratio Lower Upper

94 100

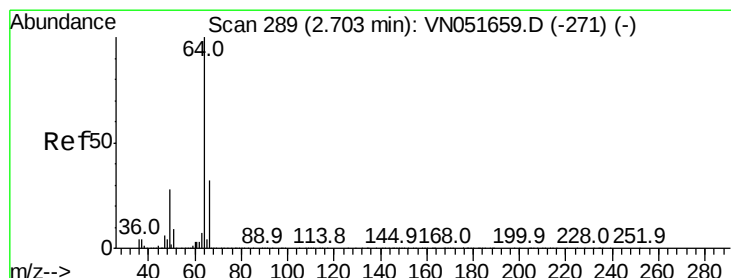
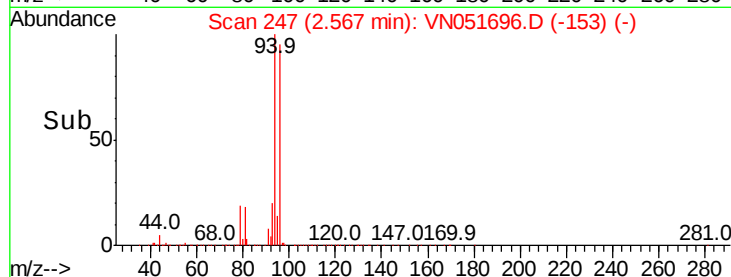
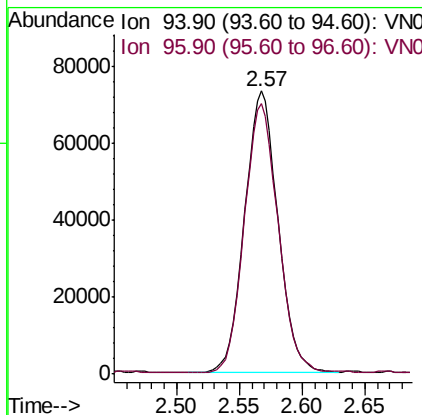
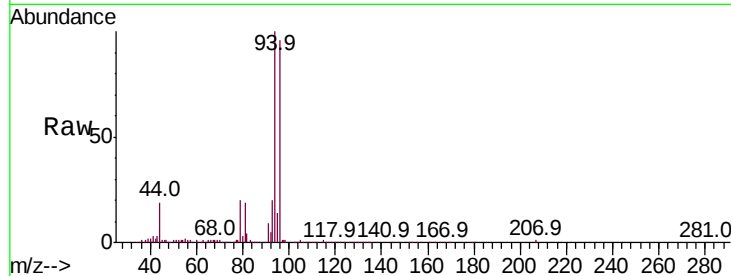
96 95.5 75.2 112.8

Manual Integrations

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10/8/2018 12:50:05 PM



#6

Chloroethane

Concen: 21.620 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051696.D

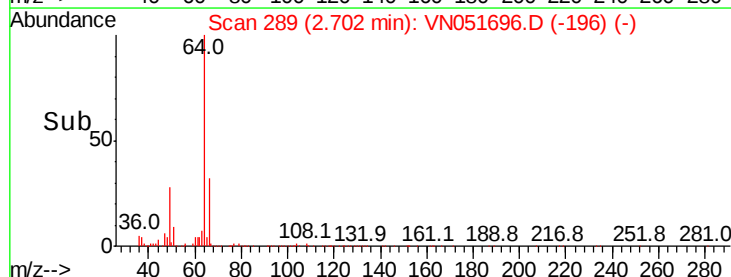
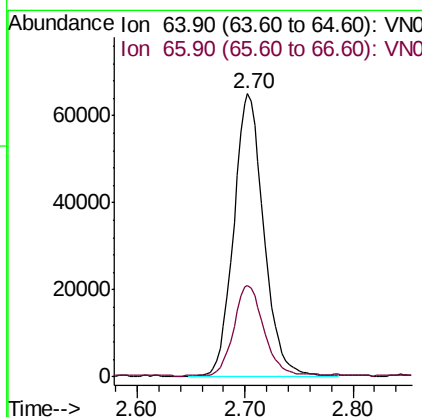
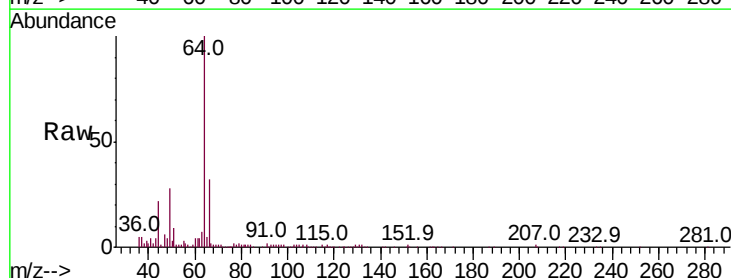
Acq: 5 Oct 2018 19:32

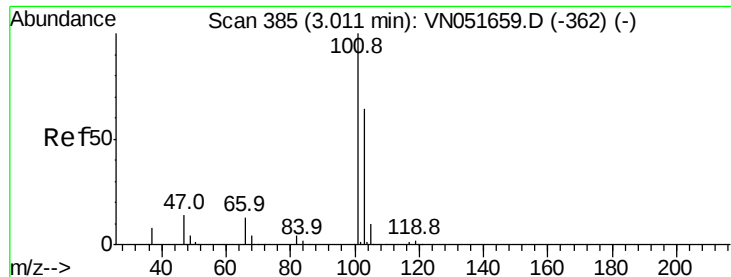
Tgt Ion: 64 Resp: 125369

Ion Ratio Lower Upper

64 100

66 32.1 26.0 39.0





#7

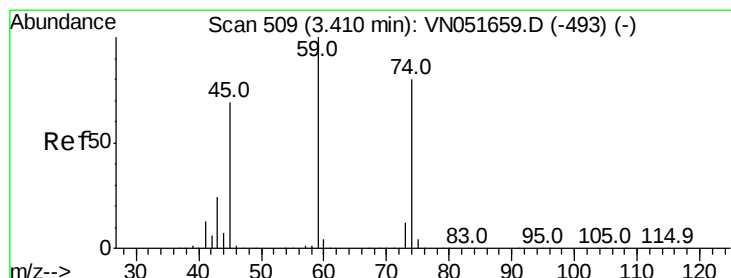
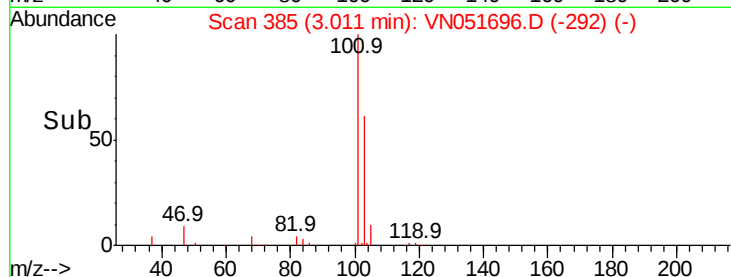
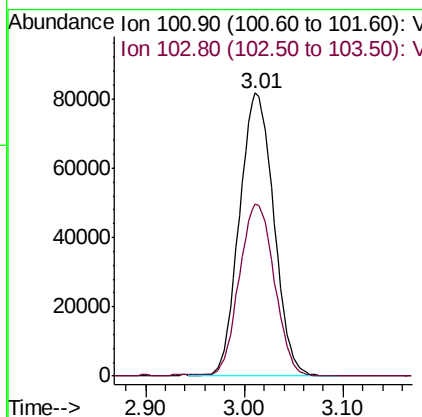
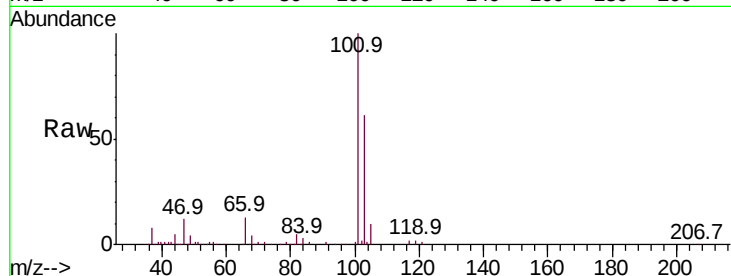
Trichlorofluoromethane
Concen: 21.138 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	196880		
103	60.9	51.1	76.7	

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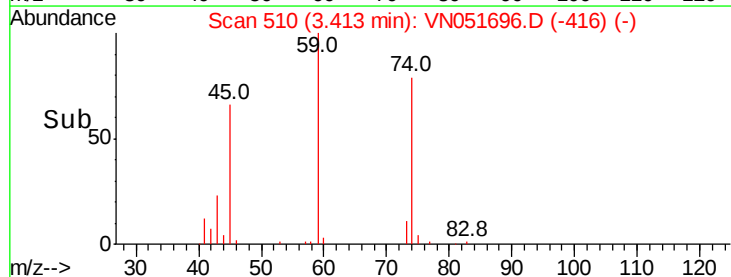
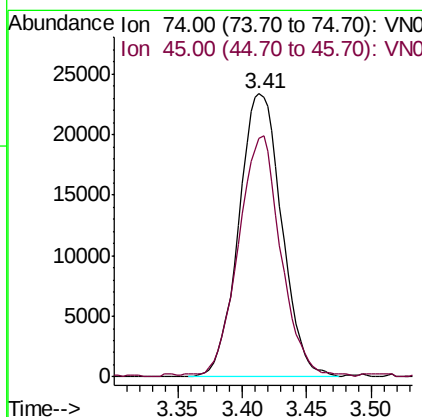
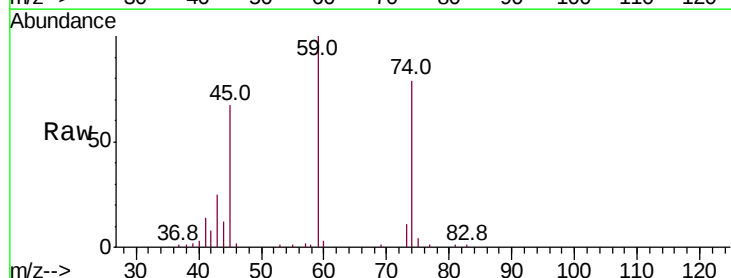
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10/8/2018 12:50:05 PM

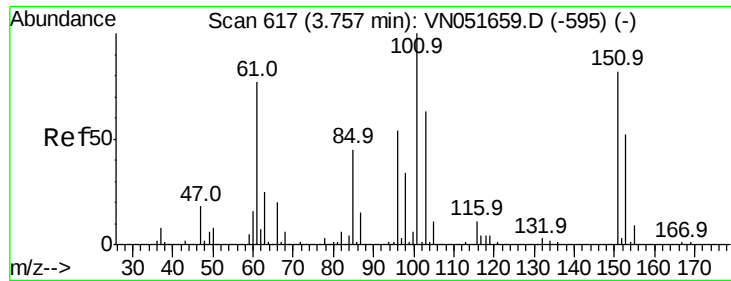


#8

Diethyl Ether
Concen: 21.559 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	54203		
45	84.5	44.3	132.9	





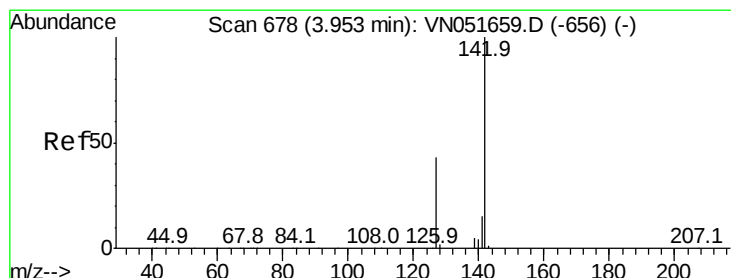
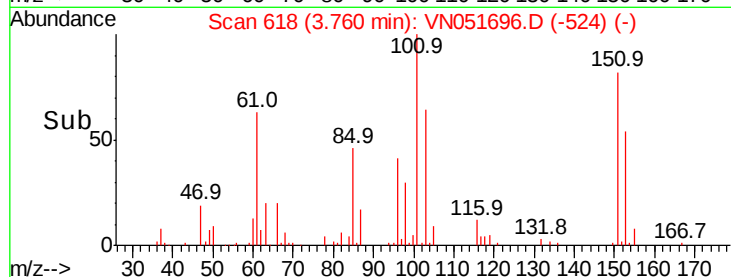
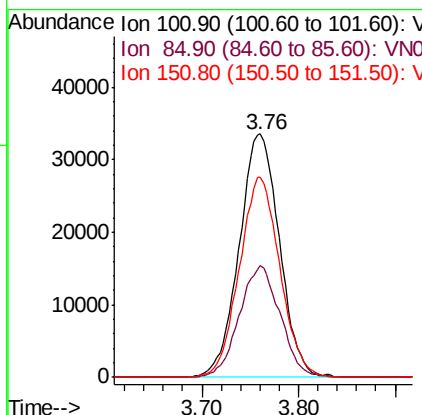
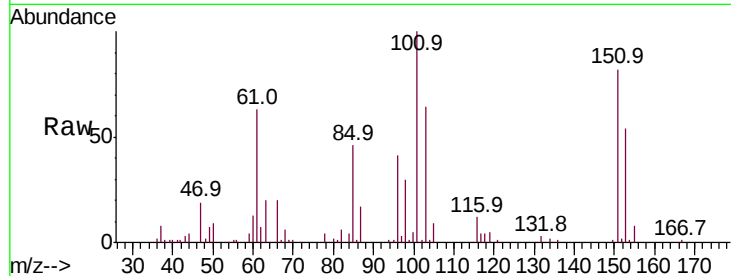
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.208 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN051696.D
 Acq: 5 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	96907		
85	46.4	35.6	53.4	
151	82.7	65.5	98.3	

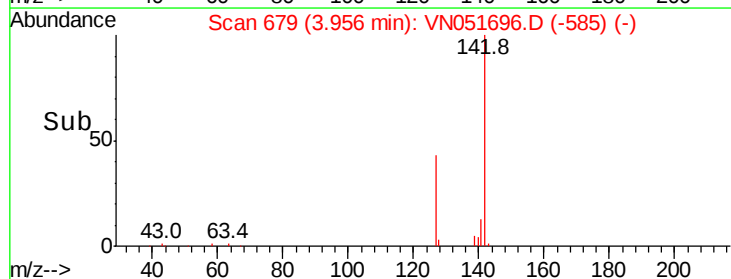
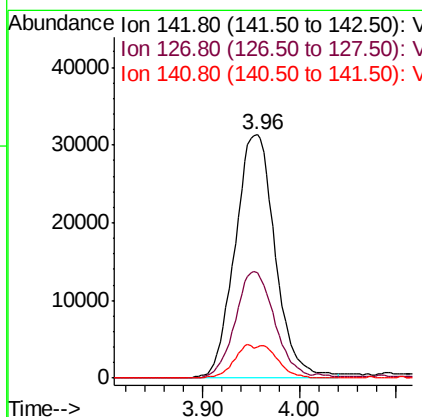
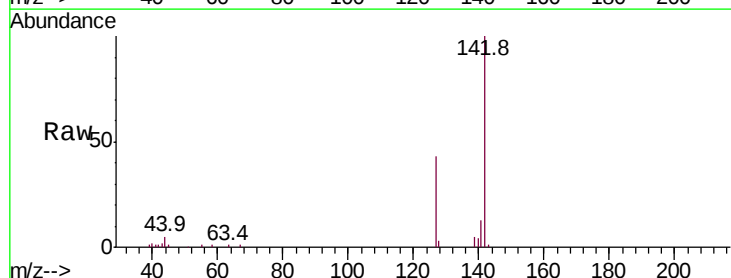
Manual Integrations
 APPROVED

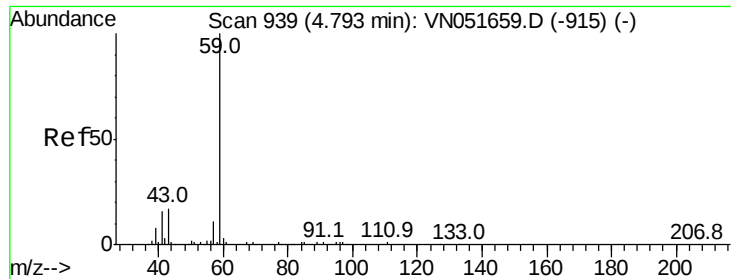
MMDadoda
 10/8/2018 12:50:05 PM



#10
 Methyl Iodide
 Concen: 15.943 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN051696.D
 Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	90492		
127	42.9	34.7	52.1	
141	7.0	11.4	17.2	





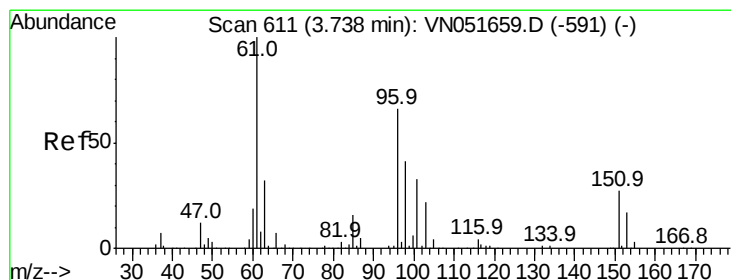
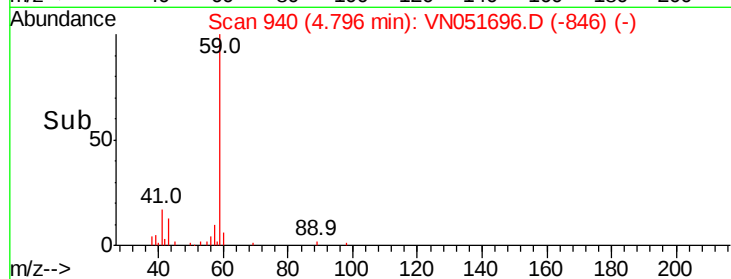
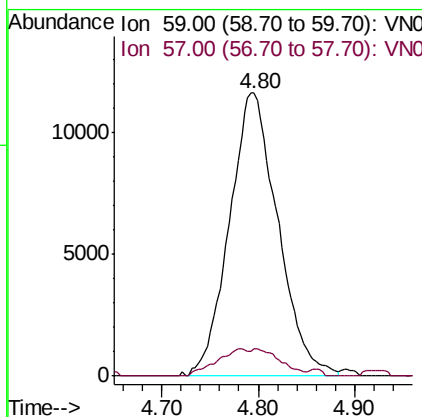
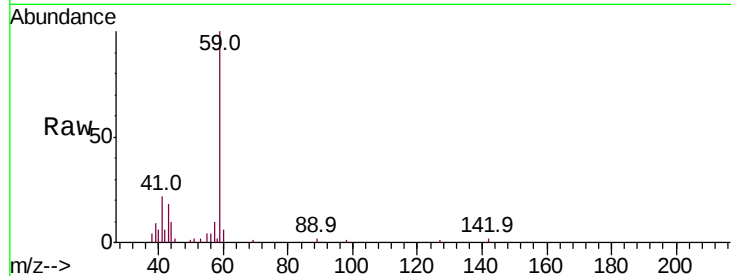
#11
Tert butyl alcohol
Concen: 94.020 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBSD01

Tot Ion: 59 Resp: 40512
Ion Ratio Lower Upper
59 100
57 6.2 8.1 12.1#

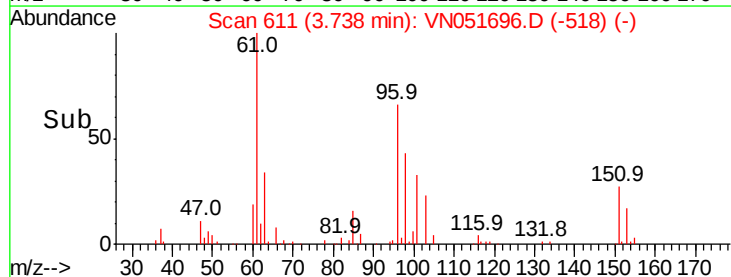
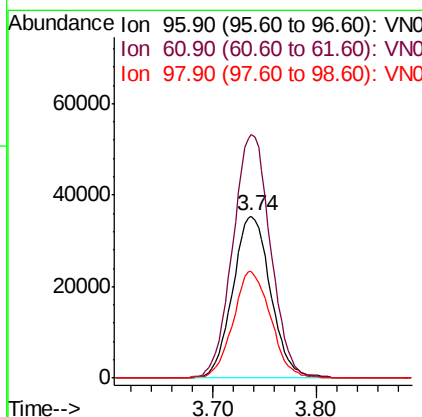
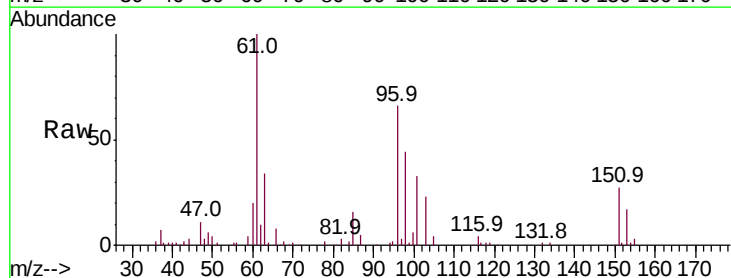
Manual Integrations
APPROVED

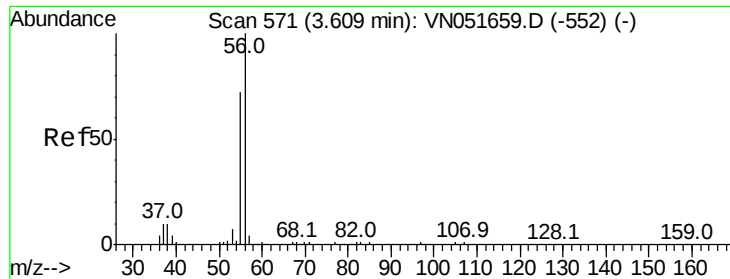
MMDadoda
10/8/2018 12:50:05 PM



#12
1,1-Dichloroethene
Concen: 20.275 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion: 96 Resp: 90620
Ion Ratio Lower Upper
96 100
61 150.5 121.4 182.0
98 65.7 49.9 74.9





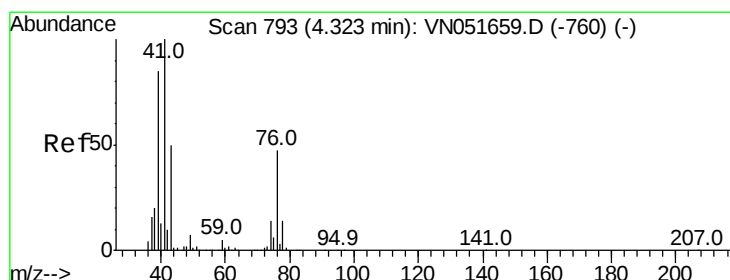
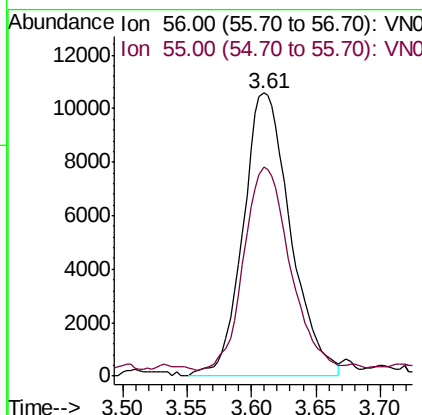
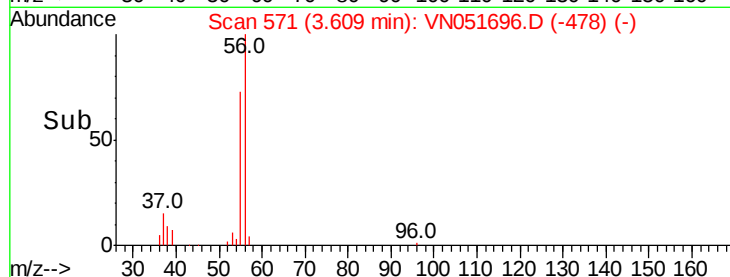
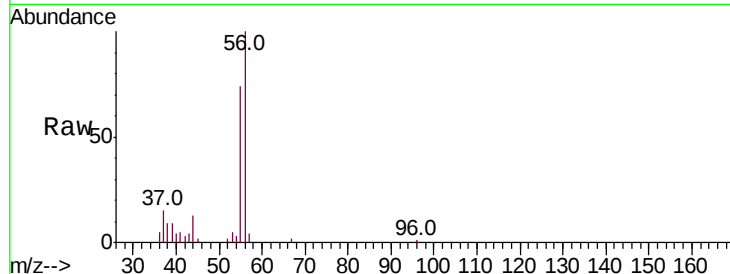
#13
Acrolein
Concen: 100.979 ug/l
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBSD01

Tot Ion	56	Resp	27183
Ion Ratio	Lower	Upper	
56	100		
55	69.7	57.5	86.3

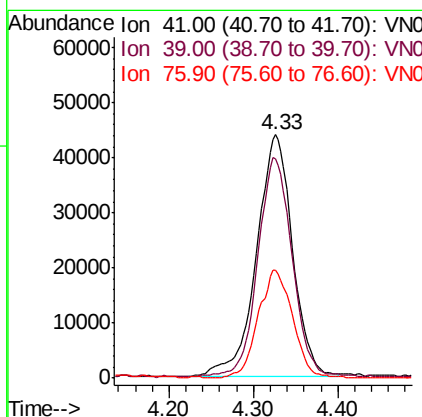
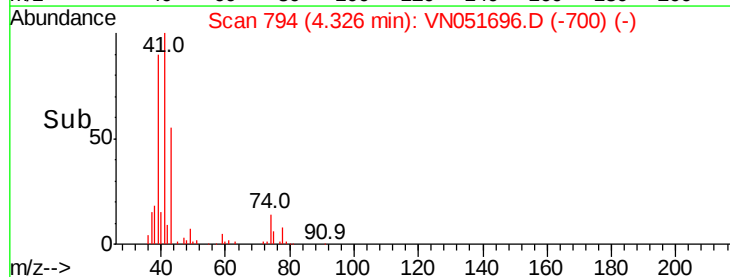
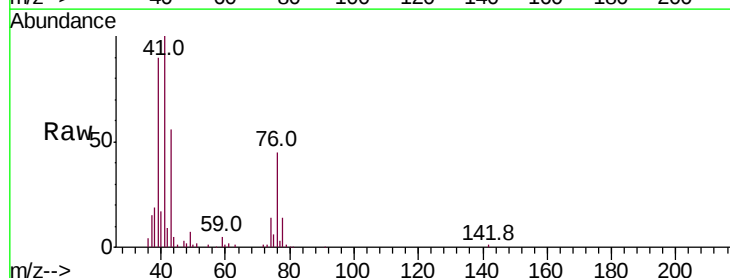
Manual Integrations
APPROVED

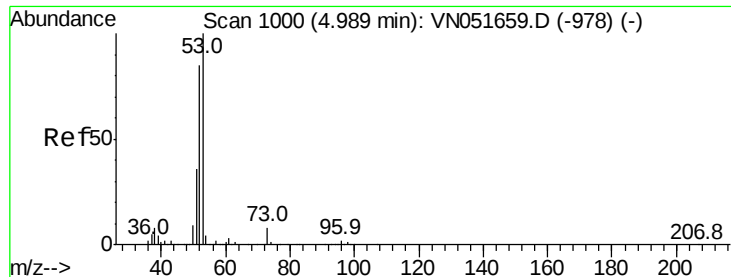
MMDadoda
10/8/2018 12:50:05 PM



#14
Allyl chloride
Concen: 19.040 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion	41	Resp	129796
Ion Ratio	Lower	Upper	
41	100		
39	87.2	65.4	98.0
76	43.1	34.3	51.5





#15

Acrylonitrile

Concen: 96.253 ug/l

RT: 4.99 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Instrument :

MSVOA_N

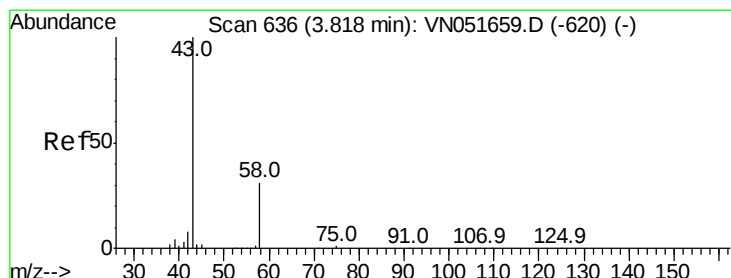
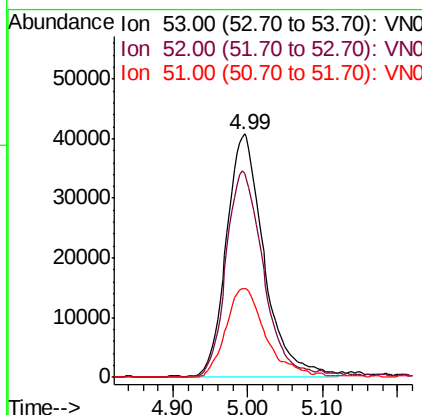
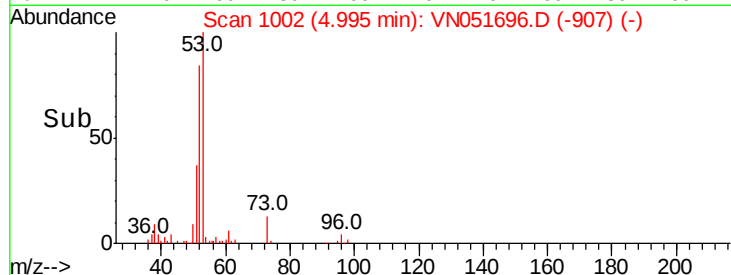
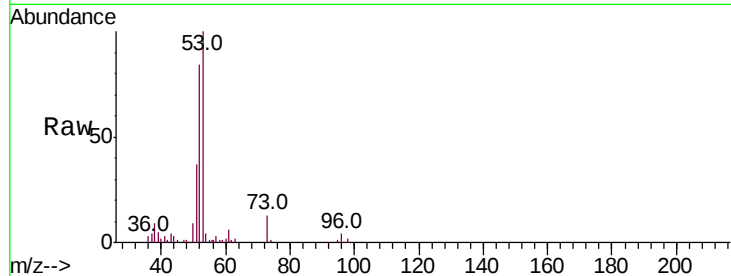
ClientSampled :

VN1006MBSD01

Tot Ion:	53	Resp:	143118
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.2	99.2
51	38.3	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 86.093 ug/l

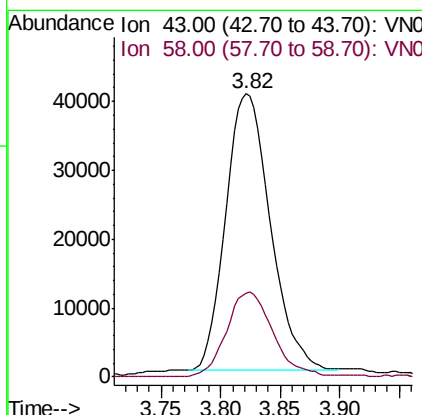
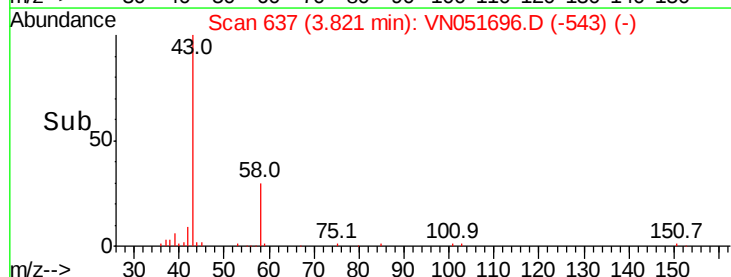
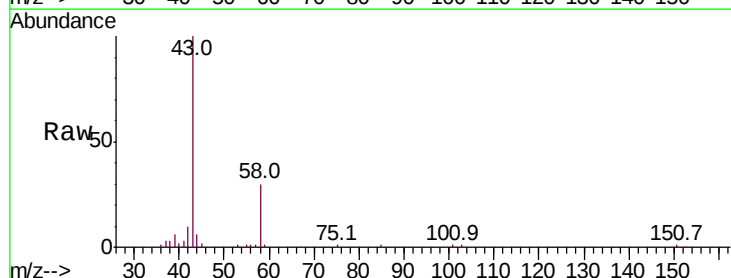
RT: 3.82 min Scan# 637

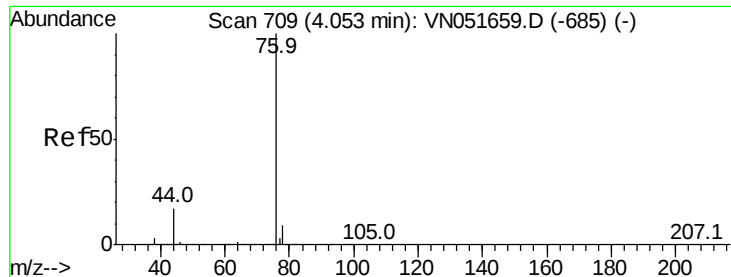
Delta R.T. 0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Tgt Ion:	43	Resp:	104560
Ion Ratio	Lower	Upper	
43	100		
58	30.1	24.3	36.5





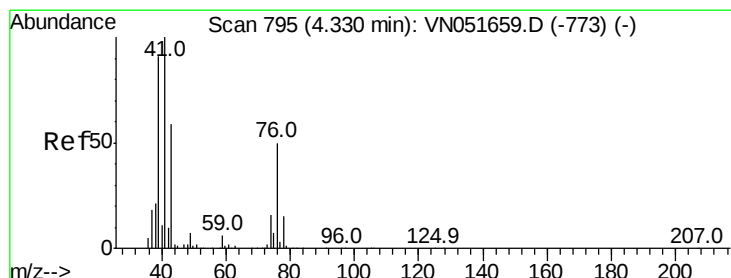
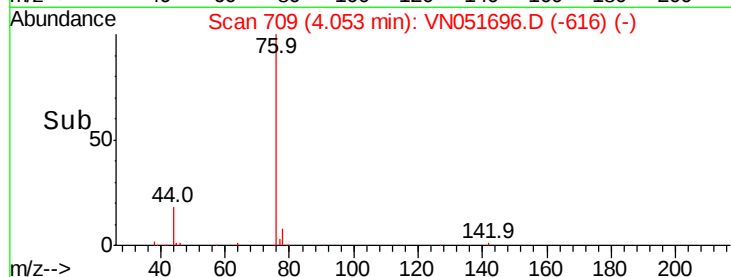
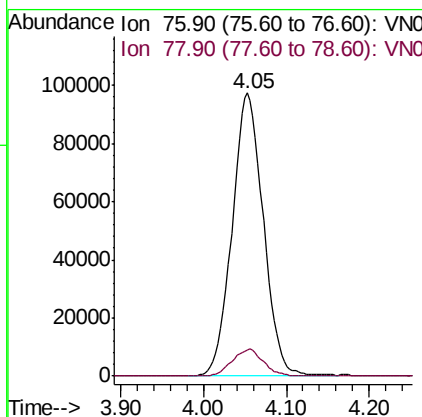
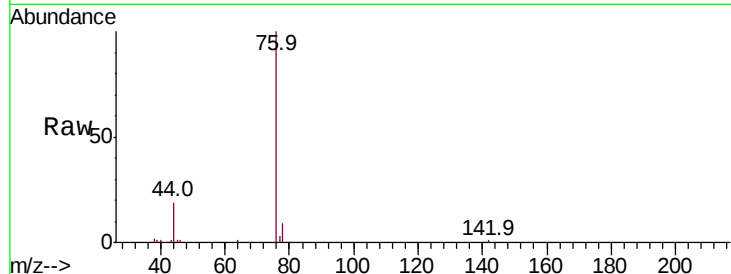
#17
Carbon Disulfide
Concen: 18.719 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.2	10.8

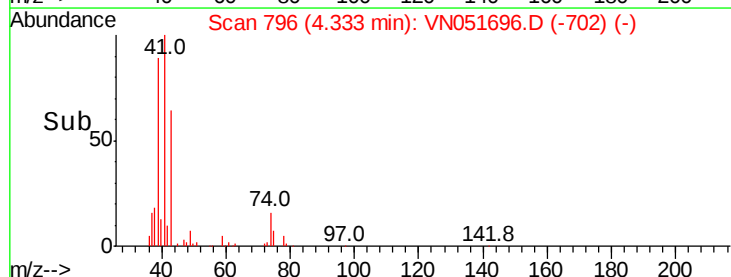
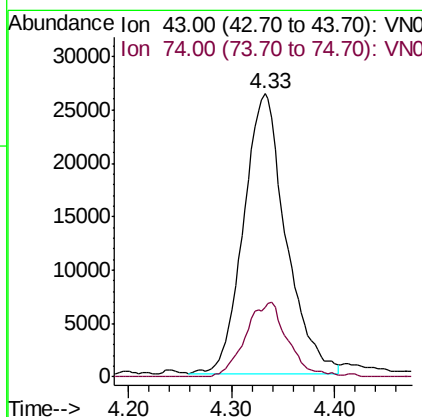
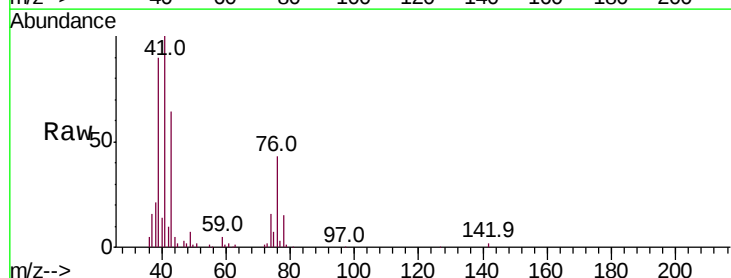
Manual Integrations
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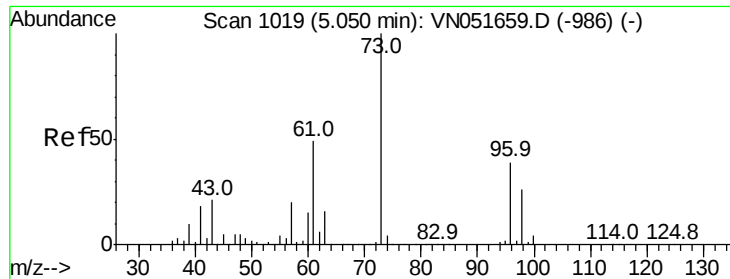
MMDadoda
10/8/2018 12:50:05 PM



#18
Methyl Acetate
Concen: 21.273 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.6	21.5	32.3





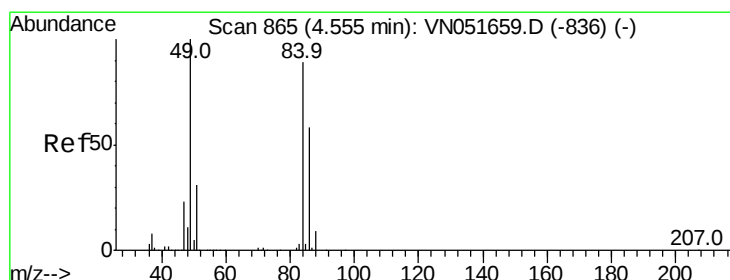
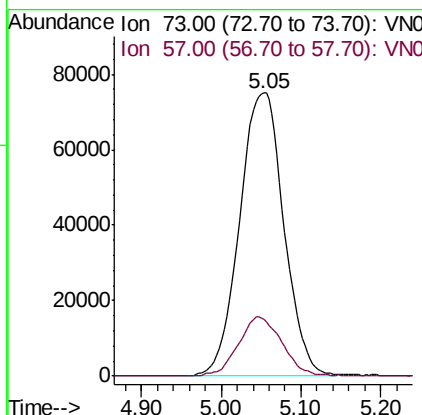
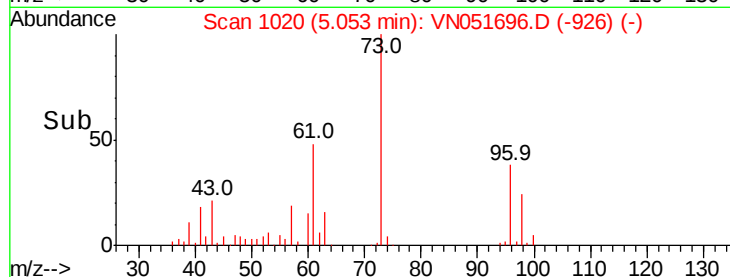
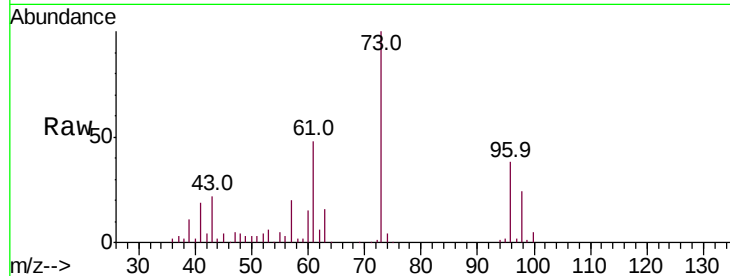
#19
Methvl tert-butvl Ether
Concen: 19.180 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBSD01

Tot Ion: 73 Resp: 282957
Ion Ratio Lower Upper
73 100
57 20.1 15.6 23.4

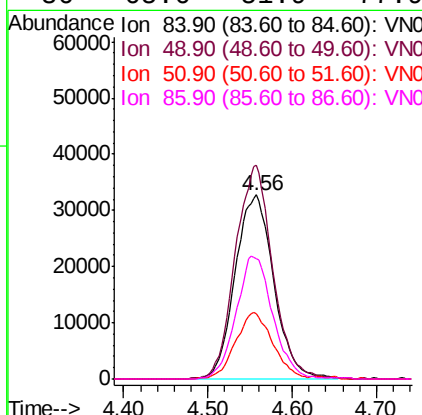
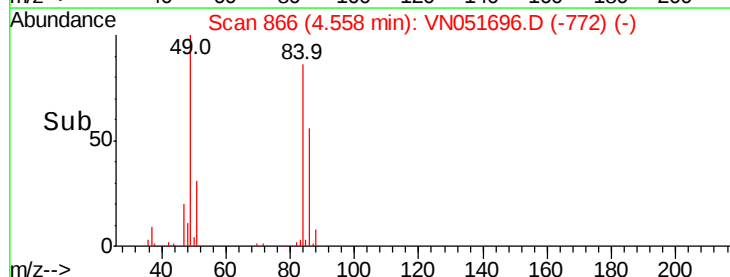
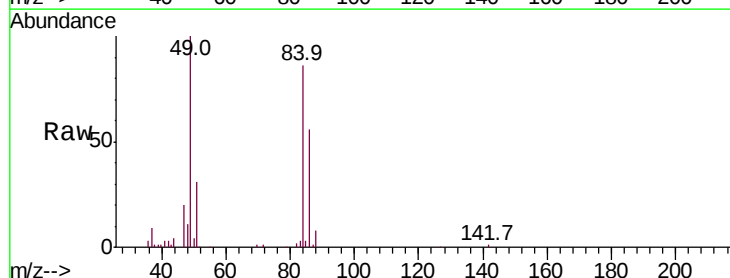
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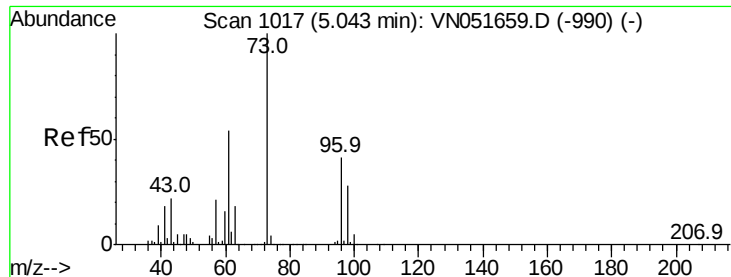
MMDadoda
10/8/2018 12:50:05 PM



#20
Methylene Chloride
Concen: 20.060 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion: 84 Resp: 104638
Ion Ratio Lower Upper
84 100
49 116.2 89.5 134.3
51 35.7 27.4 41.0
86 65.6 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 18.331 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1006MBSD01

Tot Ion: 96 Resp: 97087

Ion Ratio Lower Upper

96 100

61 120.0 104.7 157.1

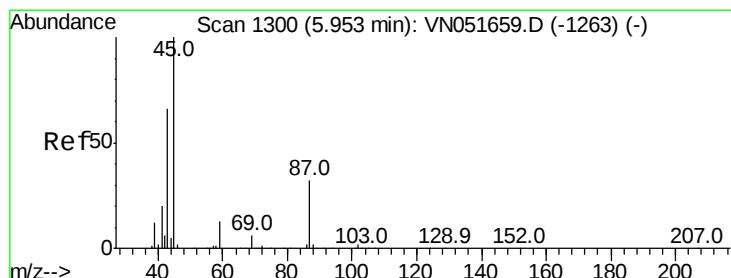
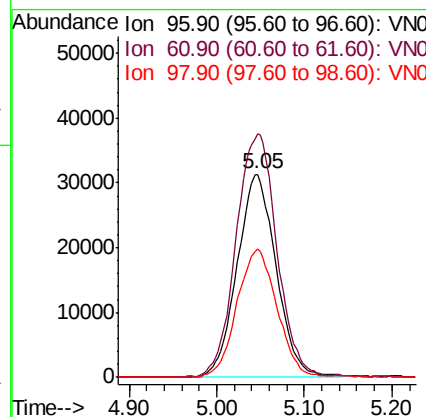
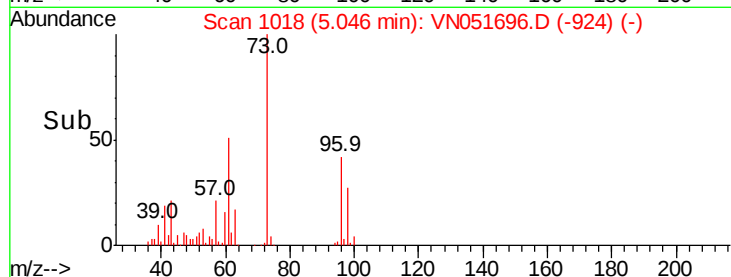
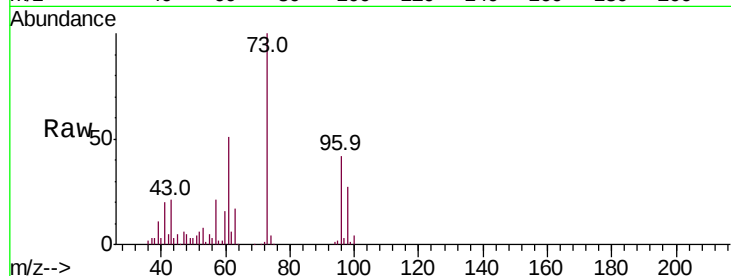
98 62.7 54.6 82.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.172 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Tgt Ion: 45 Resp: 280148

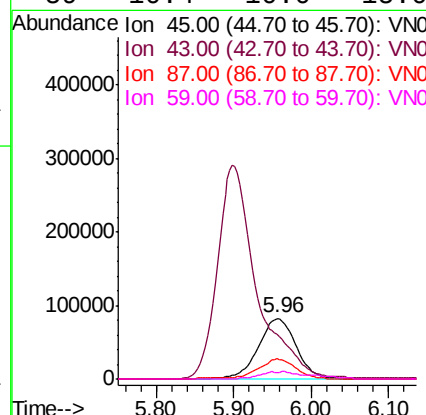
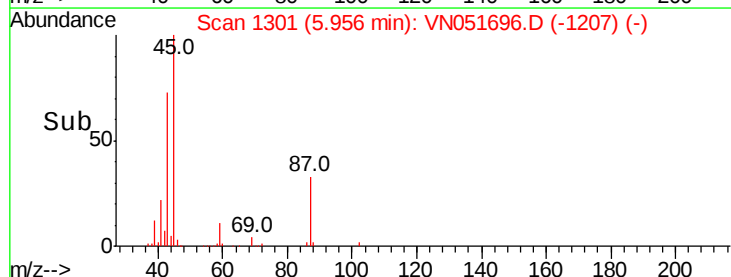
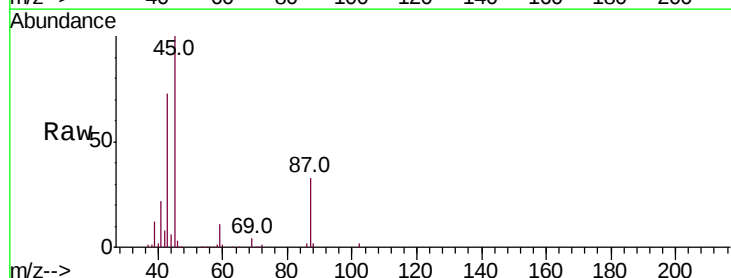
Ion Ratio Lower Upper

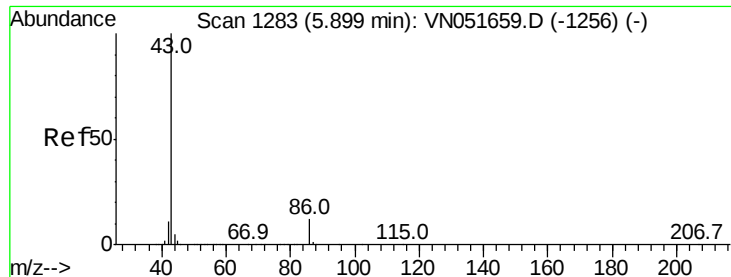
45 100

43 69.2 53.0 79.4

87 32.7 26.4 39.6

59 10.4 10.0 15.0





#23

Vinyl Acetate

Concen: 95.632 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1006MBSD01

Tot Ion: 43 Resp: 1027509

Ion Ratio Lower Upper

43 100

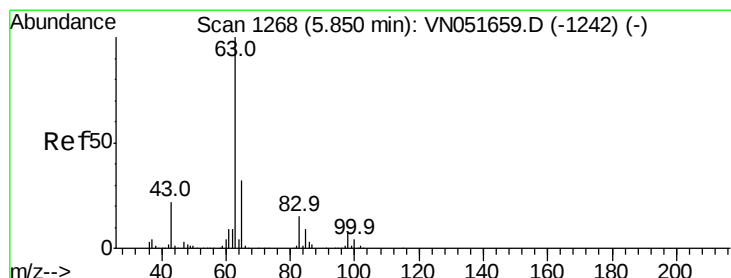
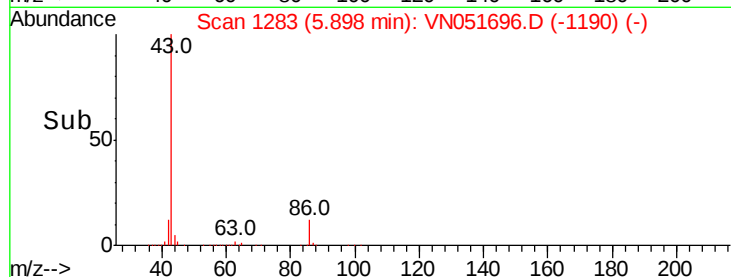
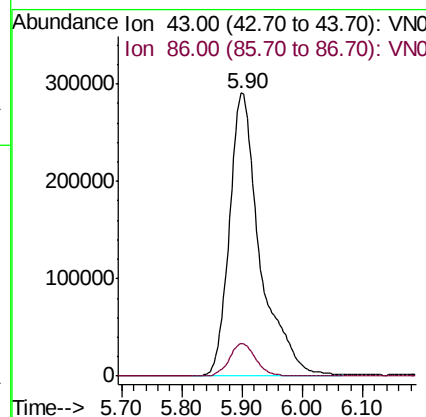
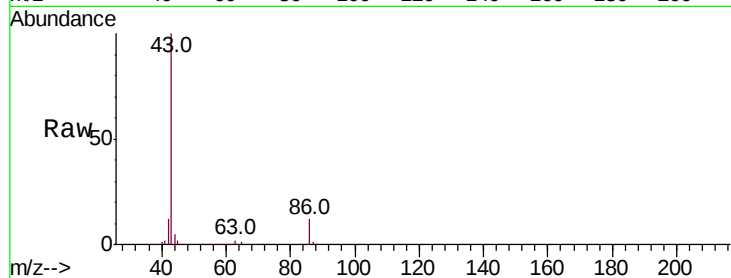
86 11.7 9.3 13.9

Manual Integrations

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10/8/2018 12:50:05 PM



#24

1,1-Dichloroethane

Concen: 19.186 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

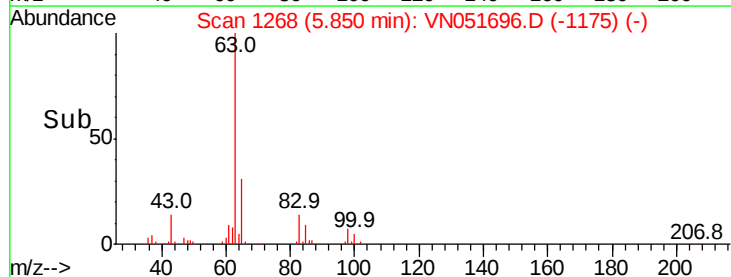
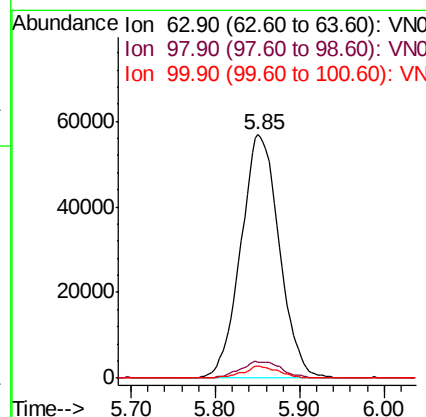
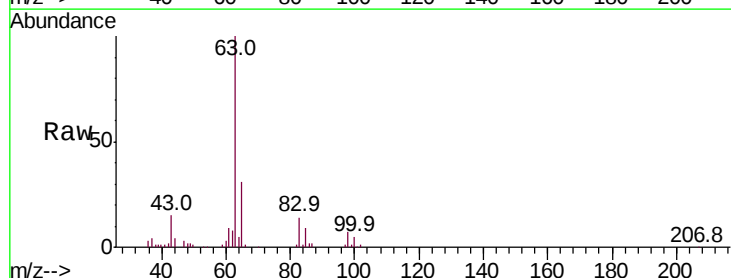
Tgt Ion: 63 Resp: 180304

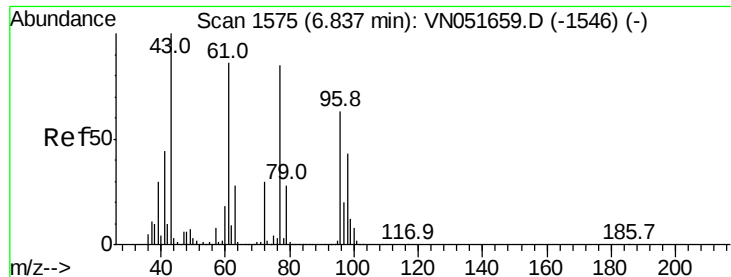
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

100 4.8 2.2 6.6





#25

2-Butanone

Concen: 94.154 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampled :

VN1006MBSD01

Tot Ion: 43 Resp: 172377

Ion Ratio Lower Upper

43 100

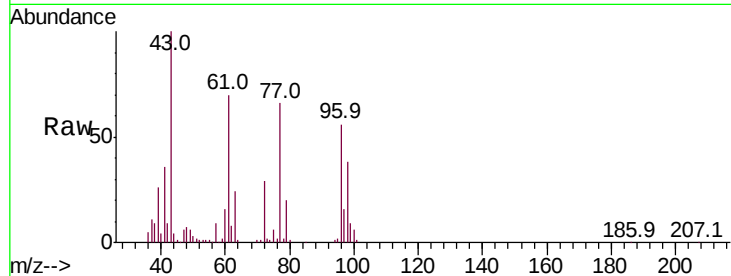
72 28.7 24.2 36.2

Manual Integrations

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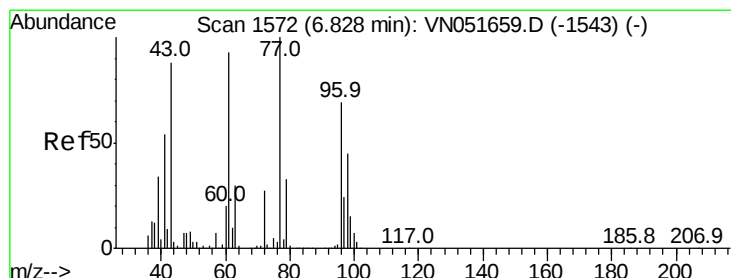
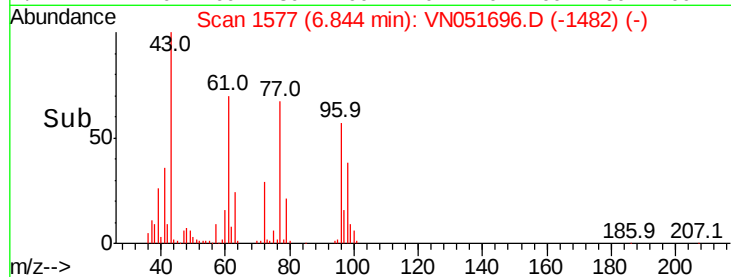
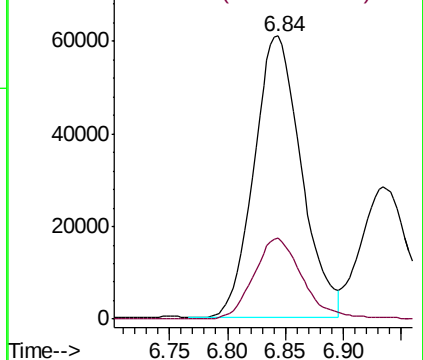
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 72.00 (71.70 to 72.70): VNO



#26

2,2-Dichloropropane

Concen: 17.736 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051696.D

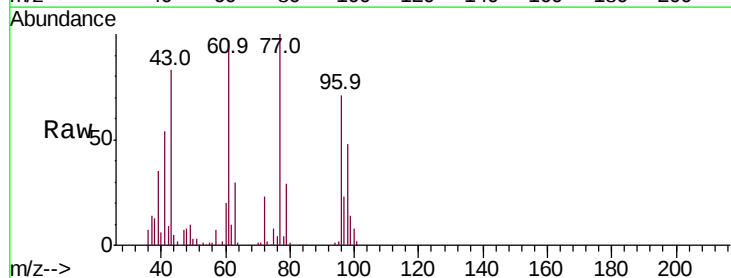
Acq: 5 Oct 2018 19:32

Tgt Ion: 77 Resp: 167030

Ion Ratio Lower Upper

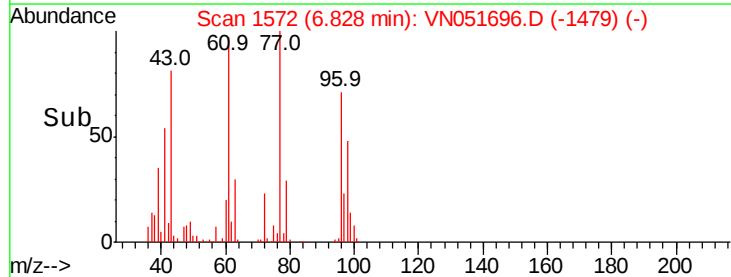
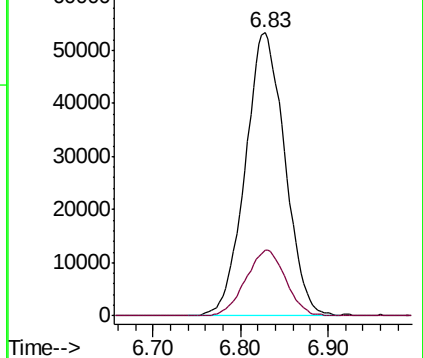
77 100

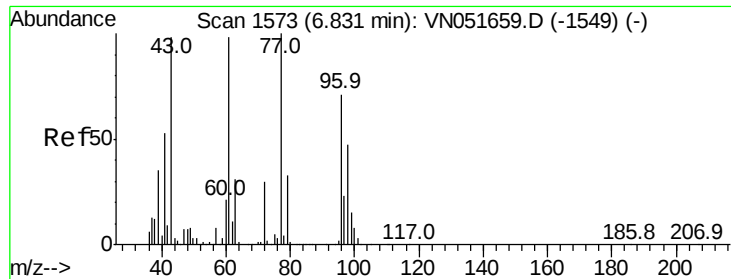
97 23.5 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VNO

Ion 96.90 (96.60 to 97.60): VNO





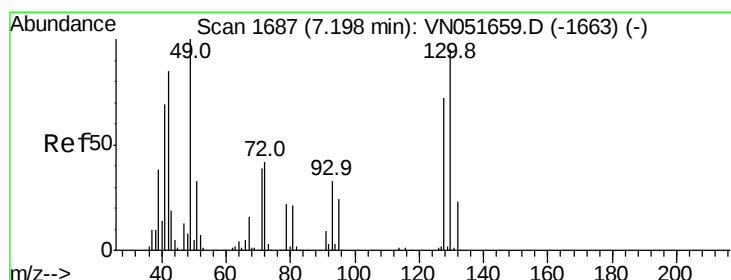
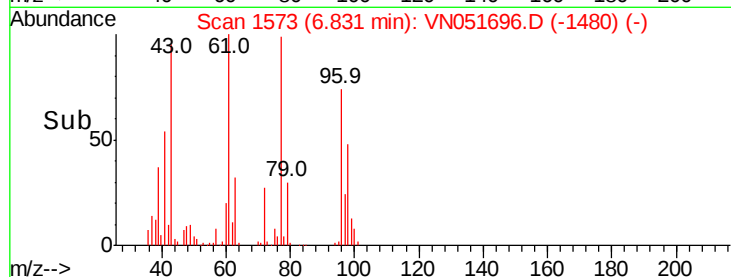
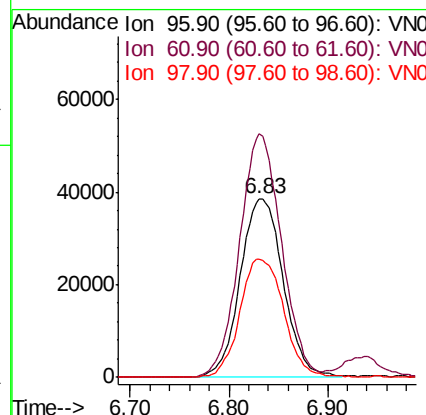
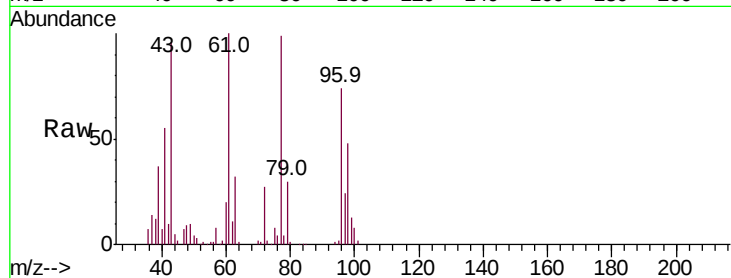
#27
 cis-1,2-Dichloroethene
 Concen: 18.948 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN051696.D
 Acq: 5 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	116500		
61	132.9	0.0	275.4	
98	67.5	0.0	129.6	

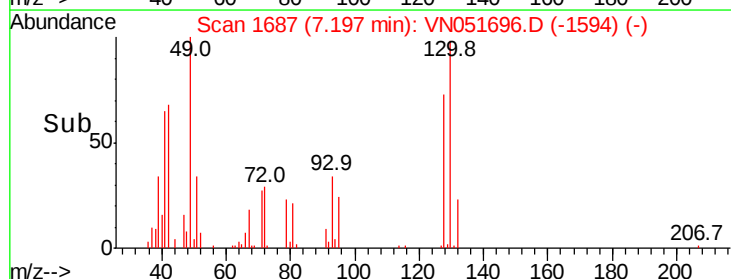
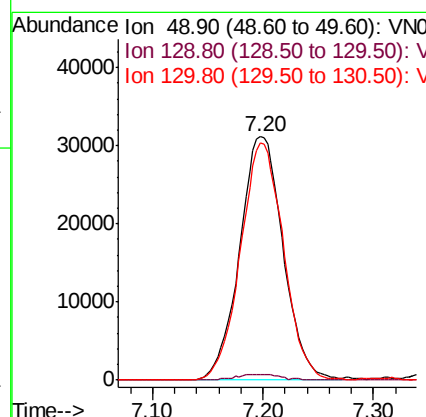
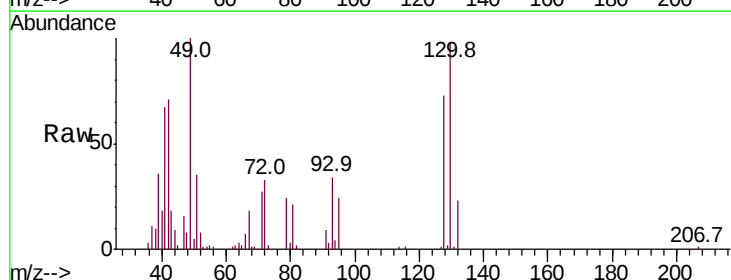
Manual Integrations
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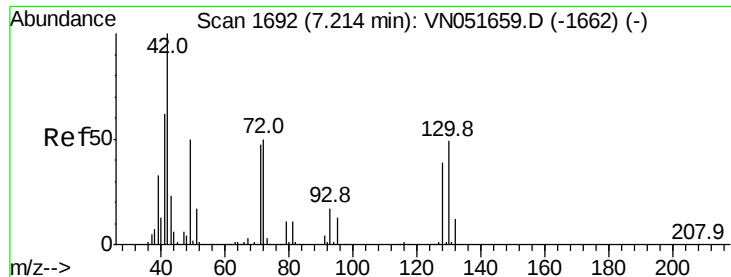
MMDadoda
 10/8/2018 12:50:05 PM



#28
 Bromochloromethane
 Concen: 20.489 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN051696.D
 Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	85248		
129	2.3	0.0	4.8	
130	95.7	75.7	113.5	





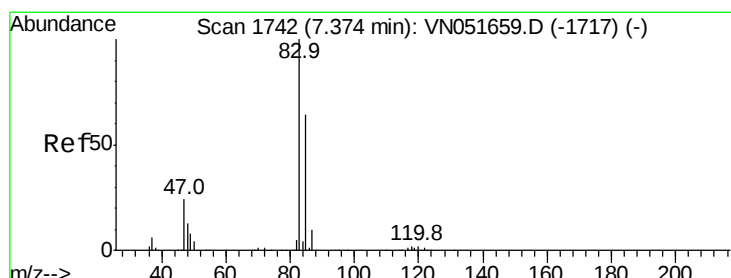
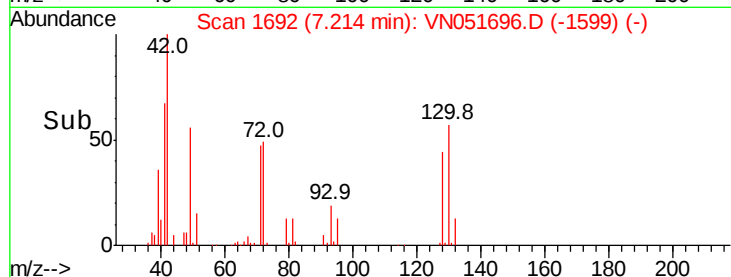
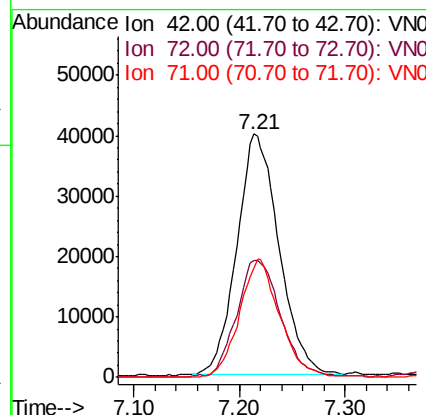
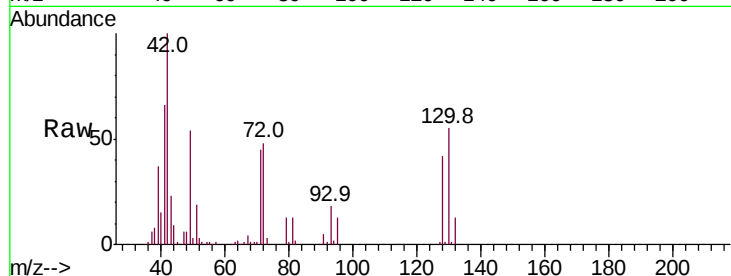
#29
Tetrahydrofuran
Concen: 98.029 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.4	40.1	60.1
71	47.2	38.0	57.0

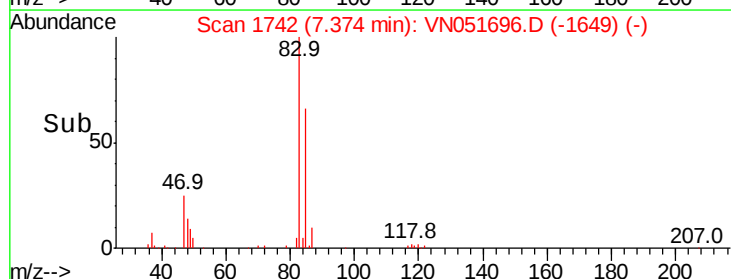
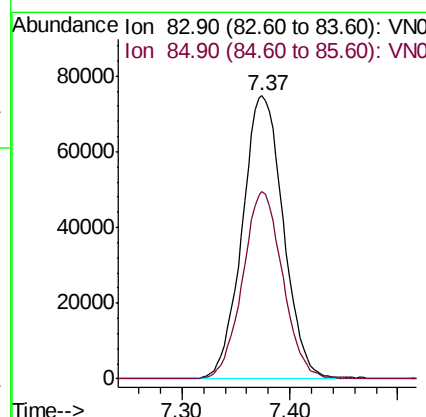
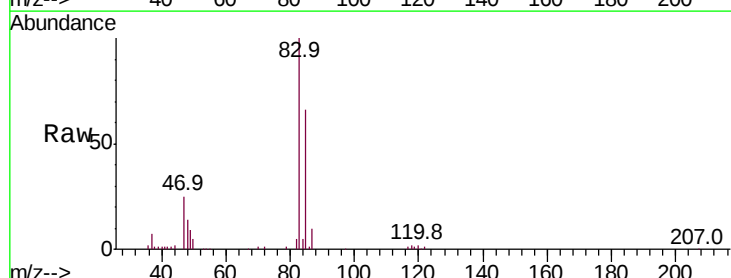
Manual Integrations
APPROVED

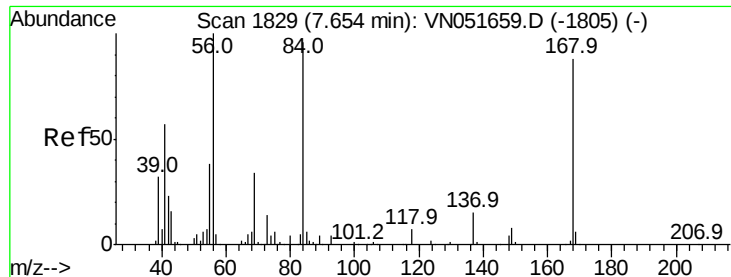
MMDadoda
10/8/2018 12:50:05 PM



#30
Chloroform
Concen: 18.757 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.6	77.4





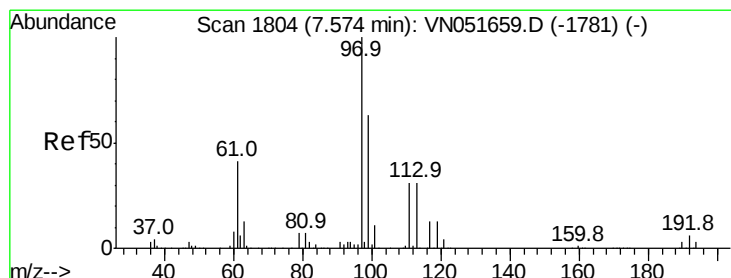
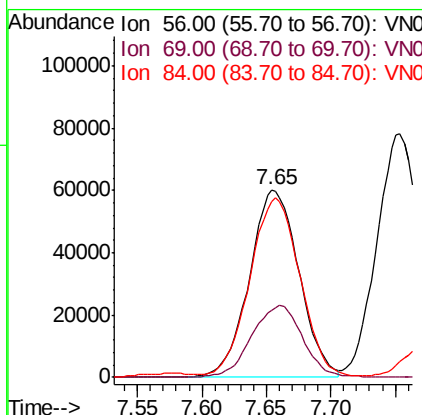
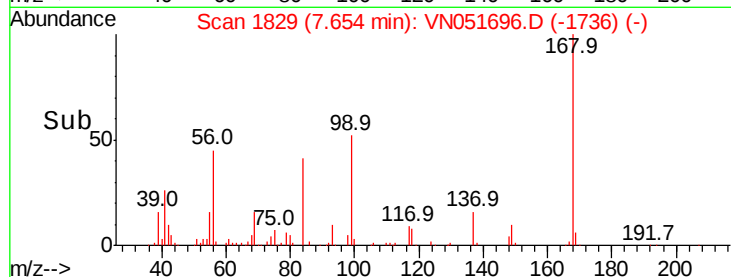
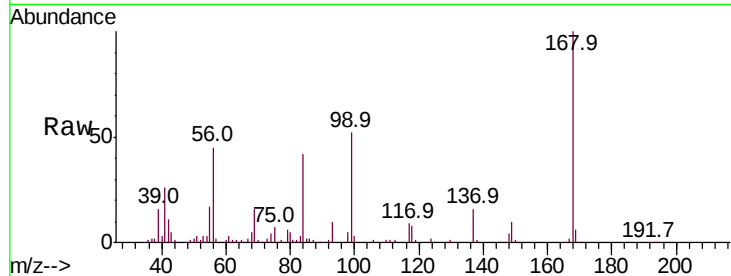
#31
Cyclohexane
Concen: 18.715 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleID :
VN1006MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	27.5	41.3
84	92.5	76.7	115.1

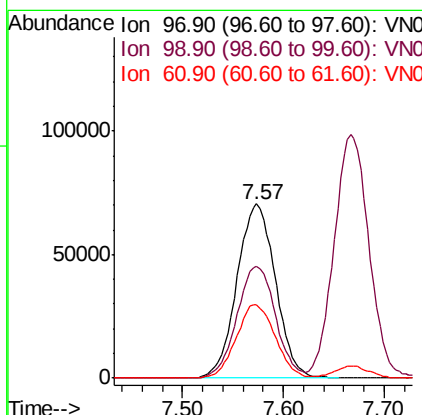
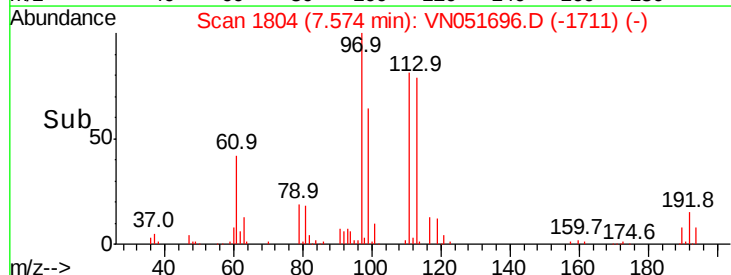
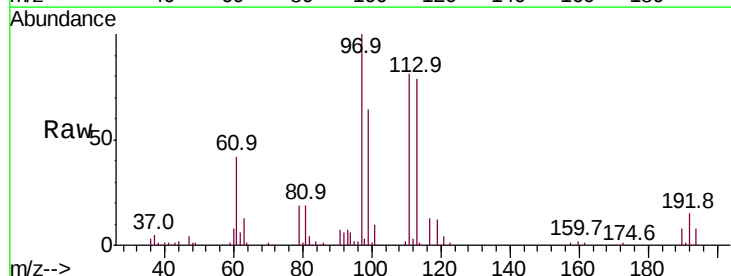
Manual Integrations
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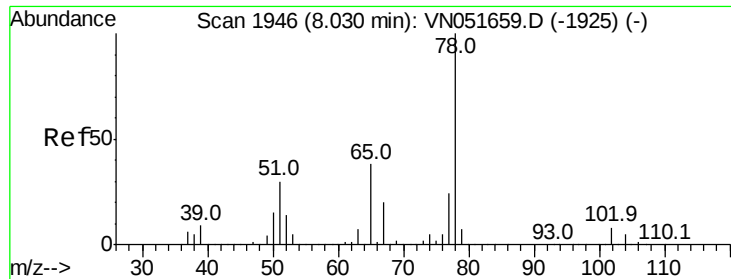
MMDadoda
10/8/2018 12:50:05 PM



#32
1,1,1-Trichloroethane
Concen: 18.246 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.9	77.9
61	42.7	33.4	50.0





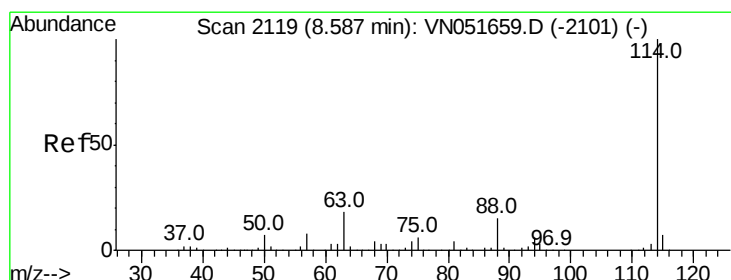
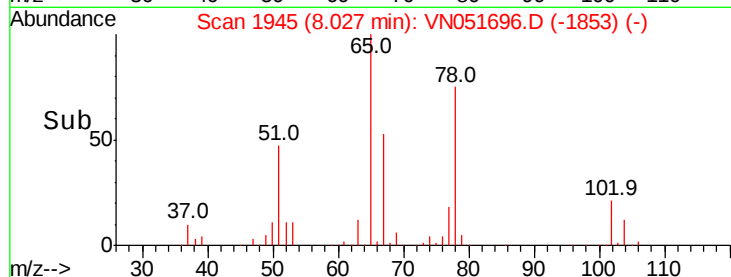
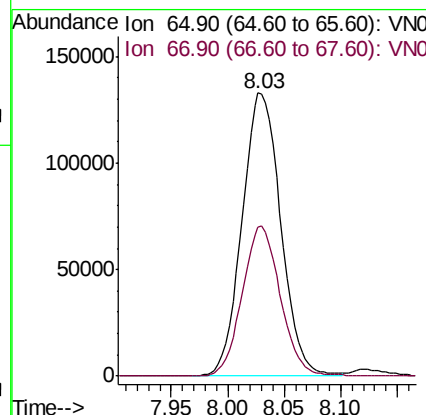
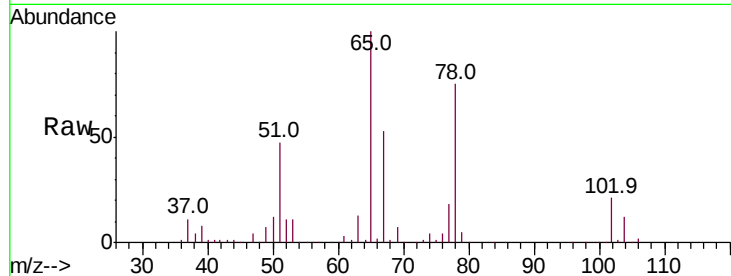
#33
 1,2-Dichloroethane-d4
 Concen: 18.246 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051696.D
 Acq: 5 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.2	0.0	103.6	

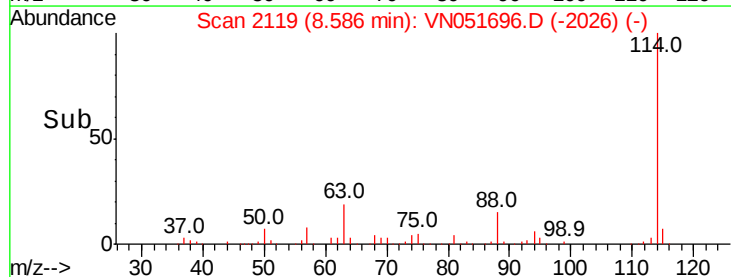
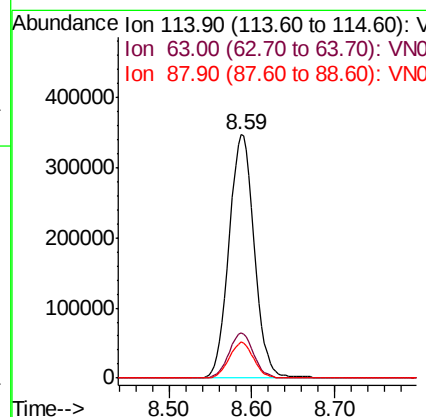
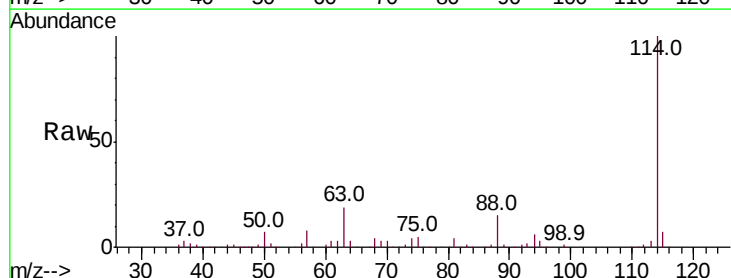
Manual Integrations
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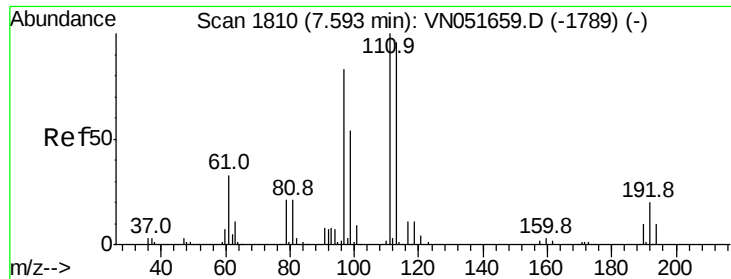
MMDadoda
 10/8/2018 12:50:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051696.D
 Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.7	0.0	36.2	
88	14.7	0.0	30.2	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Instrument :

MSVOA_N

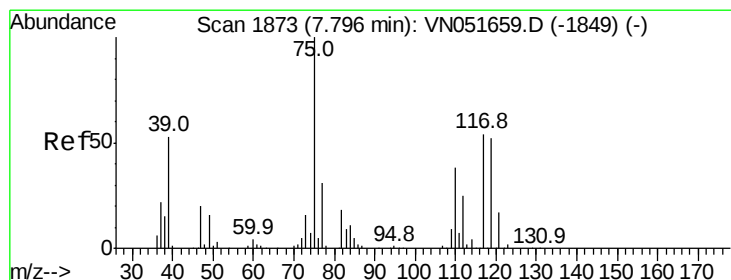
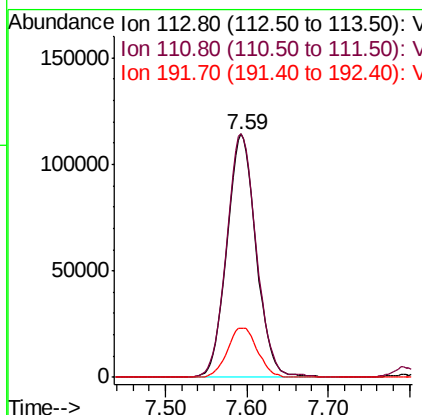
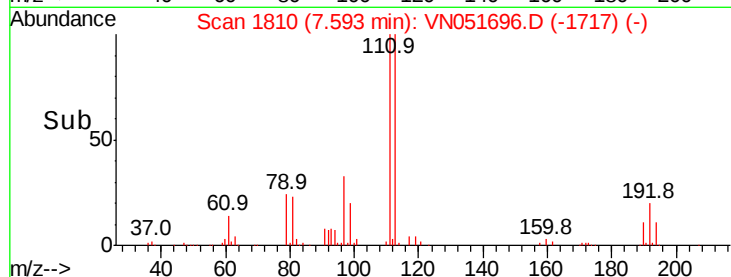
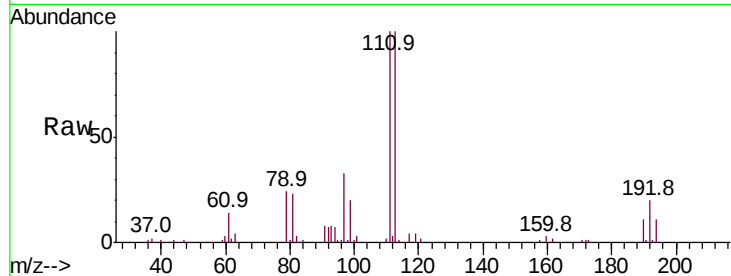
ClientSampleId :

VN1006MBS01

Tot Ion:	113	Resp:	286965
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.8	122.8
192	20.9	16.5	24.7

Manual Integrations
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10/8/2018 12:50:05 PM



#36

1,1-Dichloropropene

Concen: 18.196 ug/l

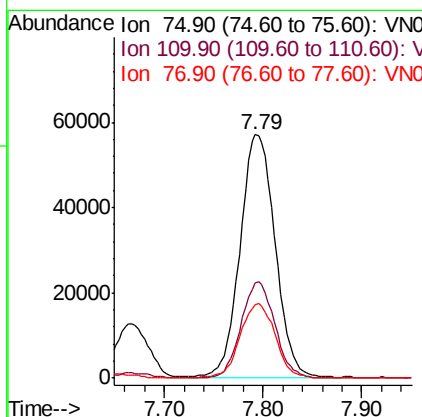
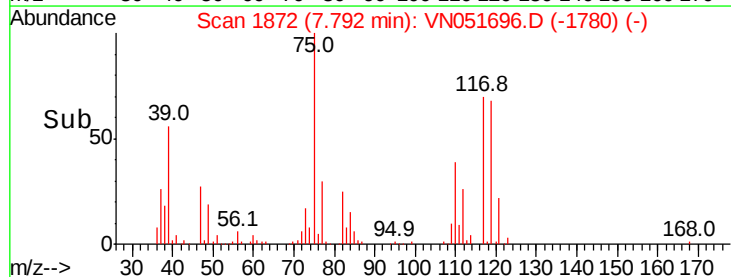
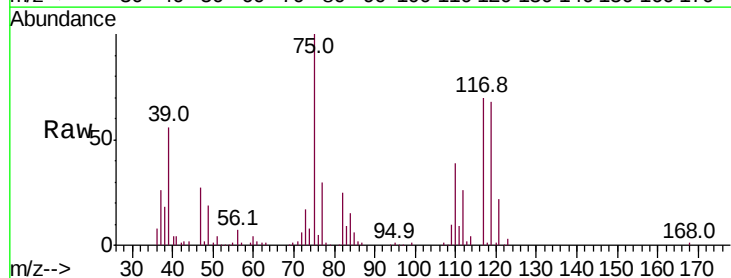
RT: 7.79 min Scan# 1872

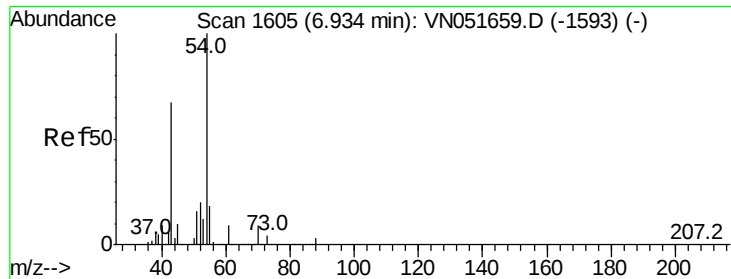
Delta R.T. -0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Tgt Ion:	75	Resp:	140222
Ion Ratio	Lower	Upper	
75	100		
110	38.1	19.3	57.8
77	30.8	24.7	37.1





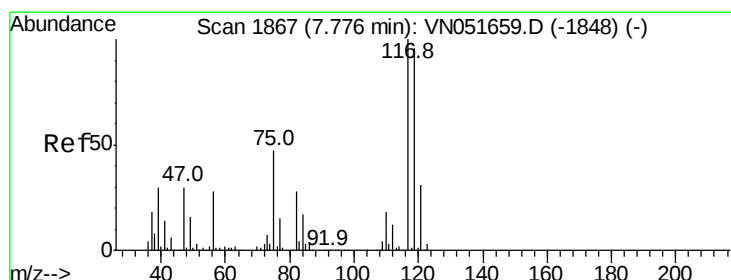
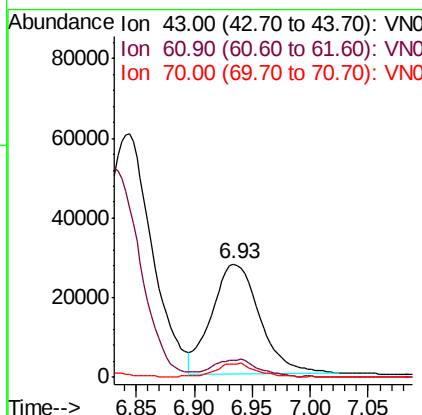
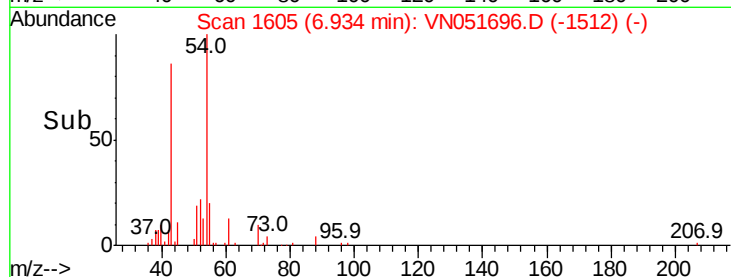
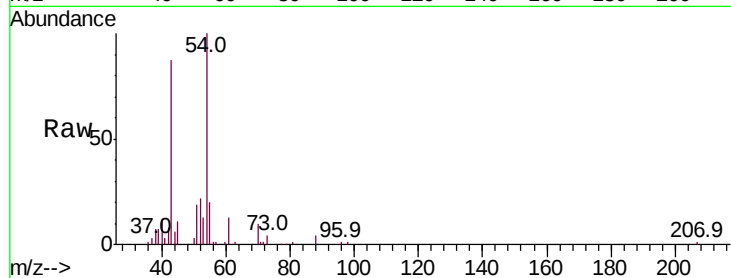
#37
Ethyl Acetate
Concen: 19.856 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.8	17.6
70	11.3	8.7	13.1

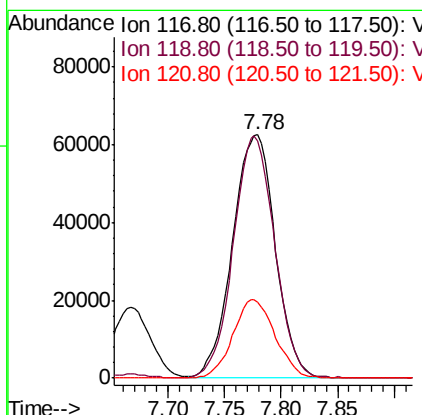
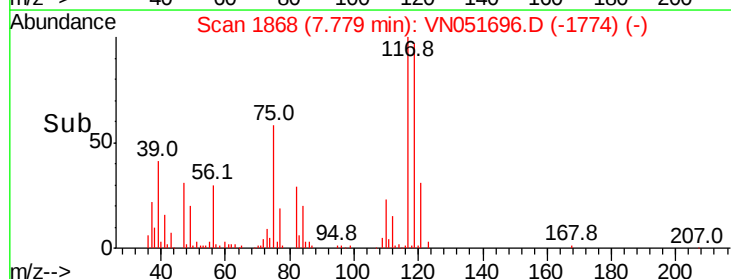
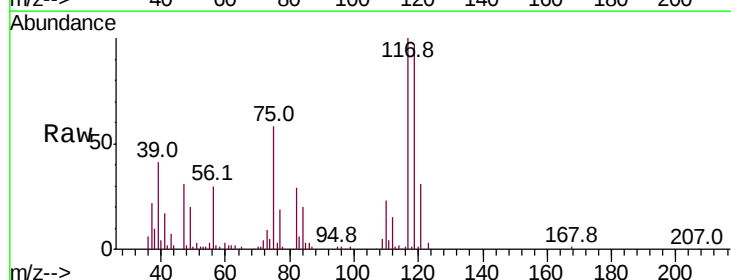
Manual Integrations
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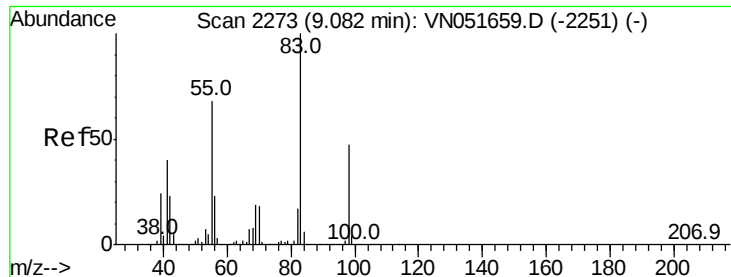
MMDadoda
10/8/2018 12:50:05 PM



#38
Carbon Tetrachloride
Concen: 17.809 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.0	115.6
121	31.0	25.0	37.6





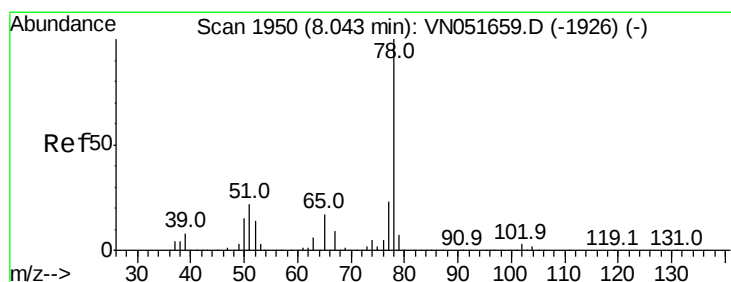
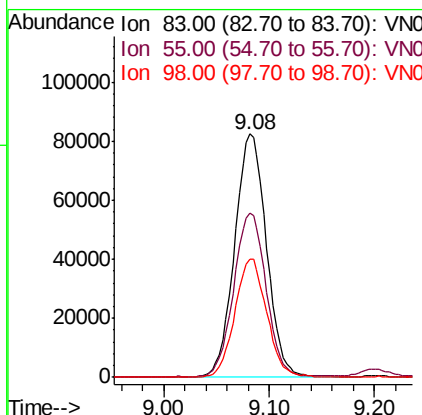
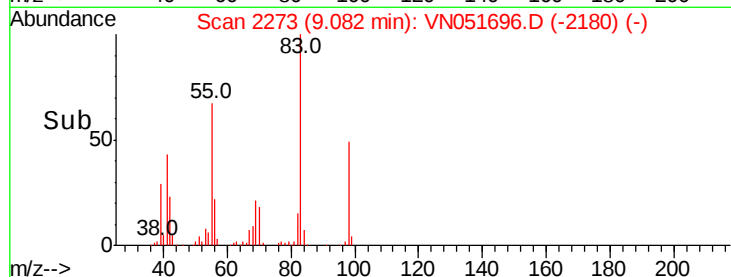
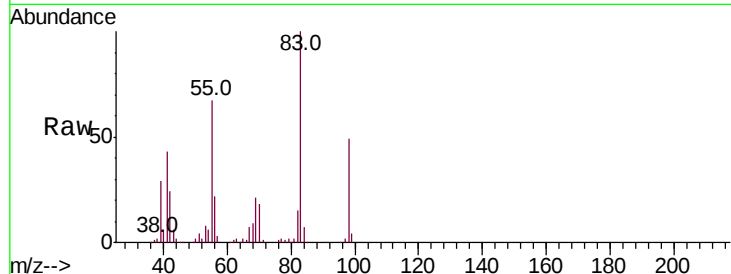
#39
Methvlcvclohexane
Concen: 17.884 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.0	54.3	81.5
98	48.6	37.4	56.2

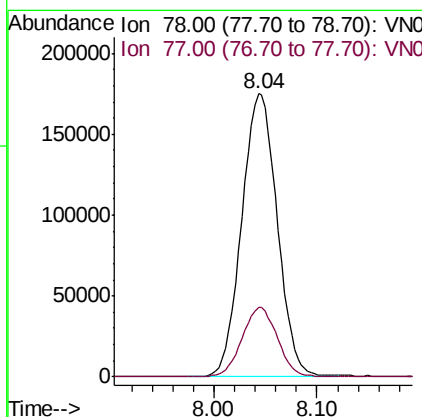
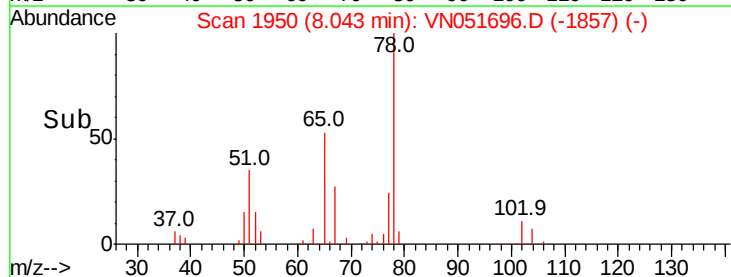
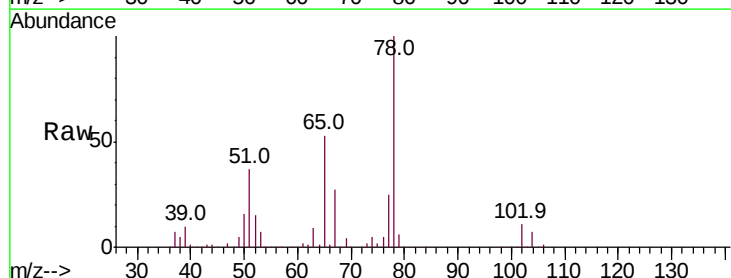
Manual Integrations
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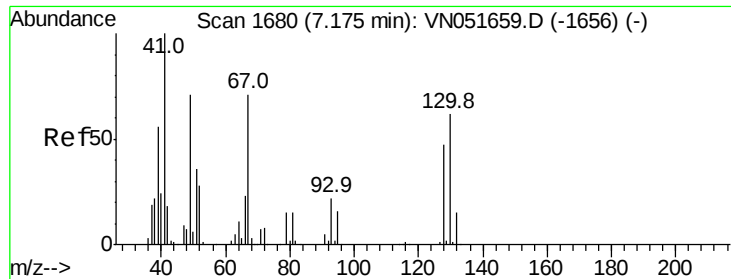
MMDadoda
10/8/2018 12:50:05 PM



#40
Benzene
Concen: 18.345 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.5	27.7





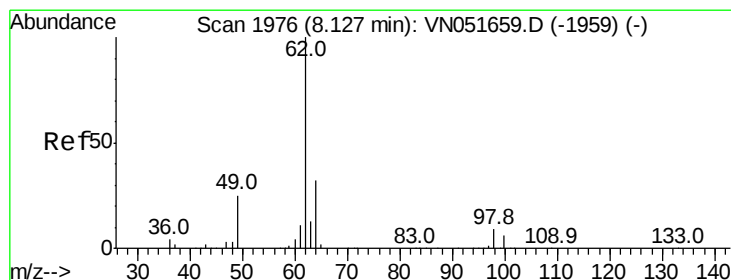
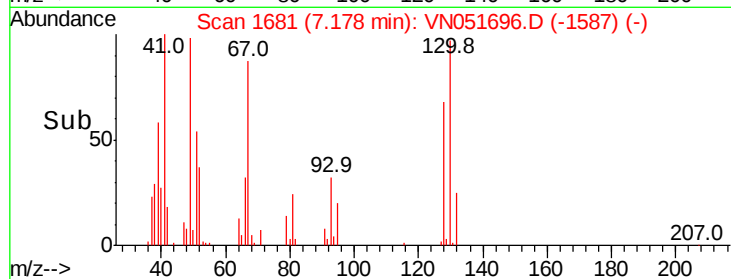
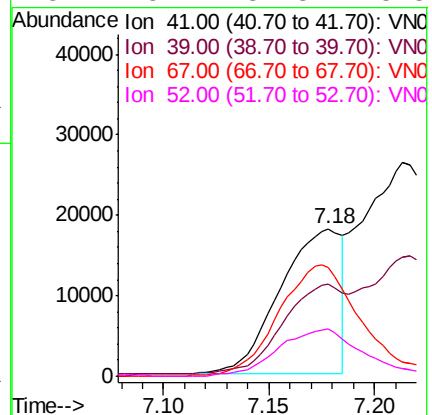
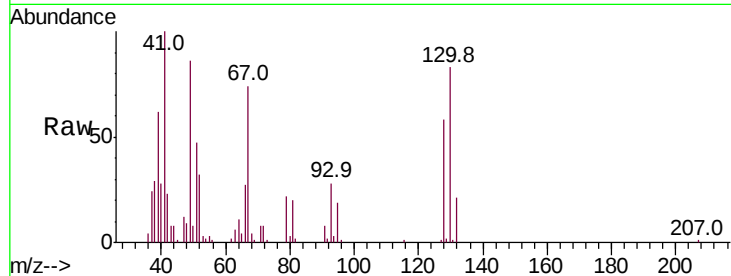
#41
Methacrylonitrile
Concen: 17.265 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.0	53.9	80.9
67	105.2	78.1	117.1
52	45.4	32.3	48.5

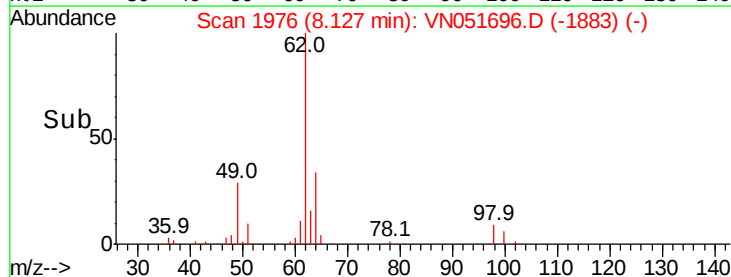
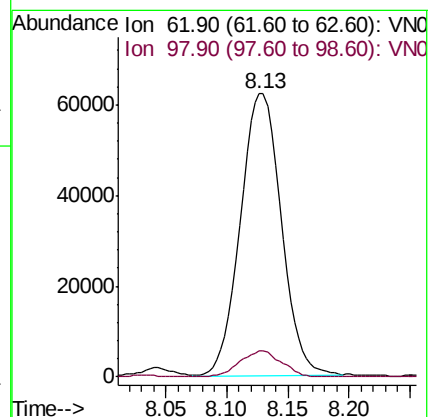
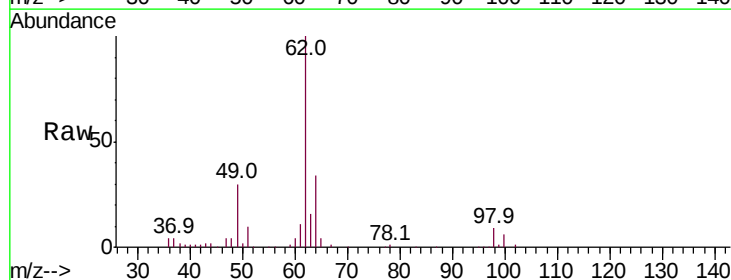
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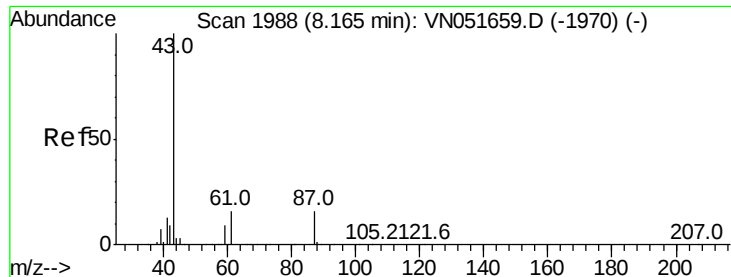
MMDadoda
10/8/2018 12:50:05 PM



#42
1,2-Dichloroethane
Concen: 18.765 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4





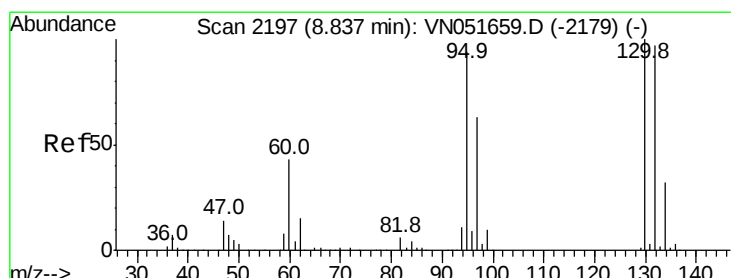
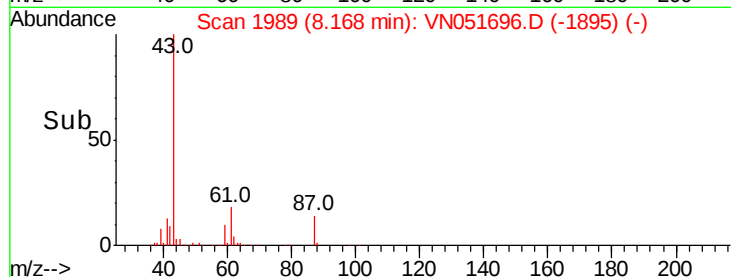
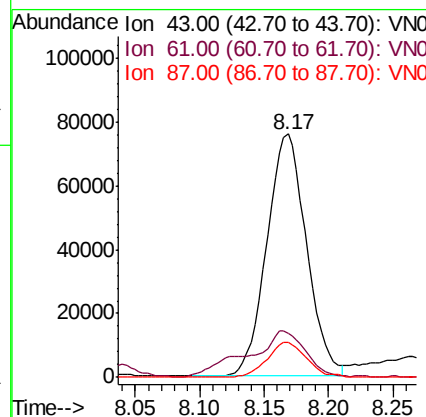
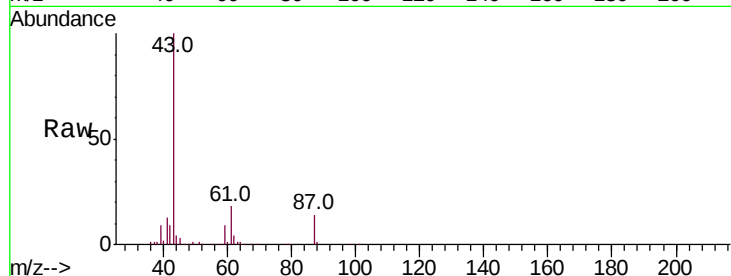
#43
Isopropyl Acetate
Concen: 19.459 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.0	15.8	23.6#
87	14.5	12.6	19.0

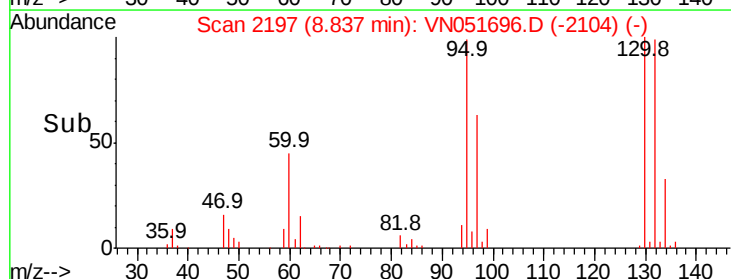
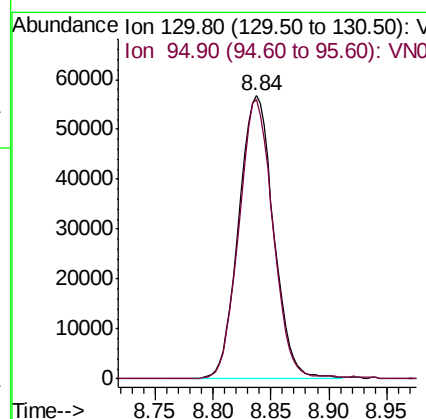
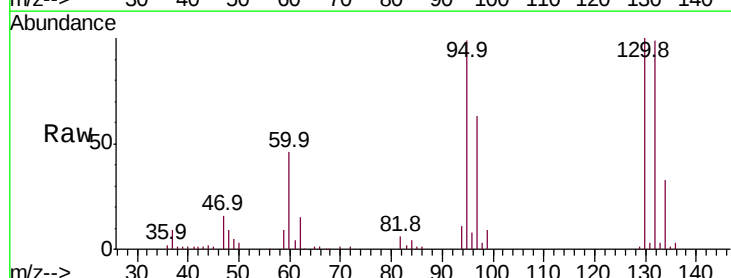
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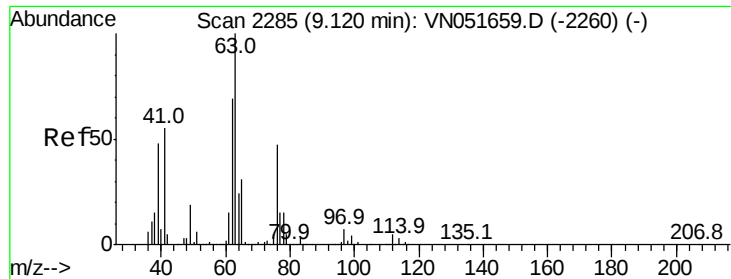
MMDadoda
10/8/2018 12:50:05 PM



#44
Trichloroethene
Concen: 18.280 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	188.0





#45

1,2-Dichloropropane

Concen: 18.683 ug/l

RT: 9.12 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1006MBSD01

Tot Ion: 63 Resp: 105526

Ion Ratio Lower Upper

63 100

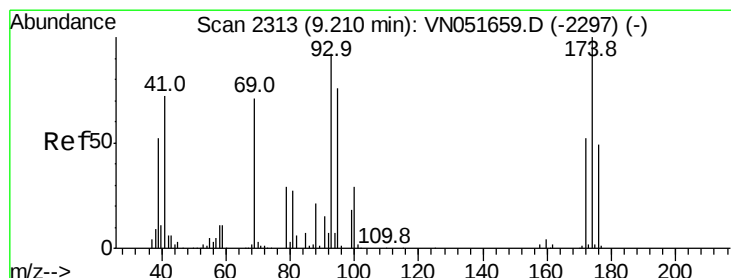
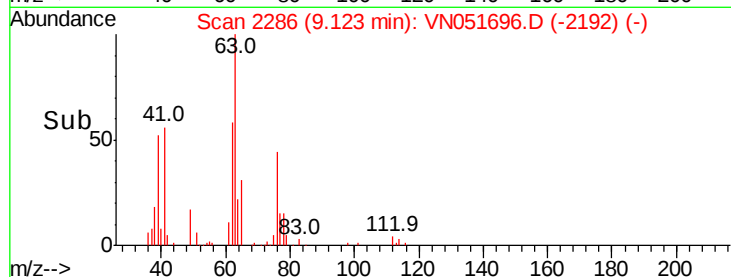
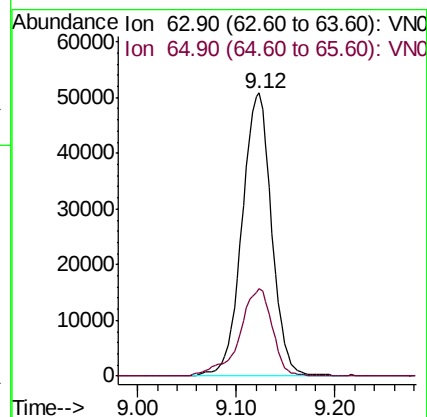
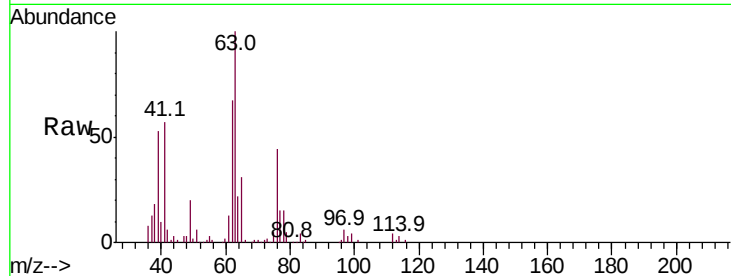
65 31.1 25.0 37.4

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#46

Dibromomethane

Concen: 18.530 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

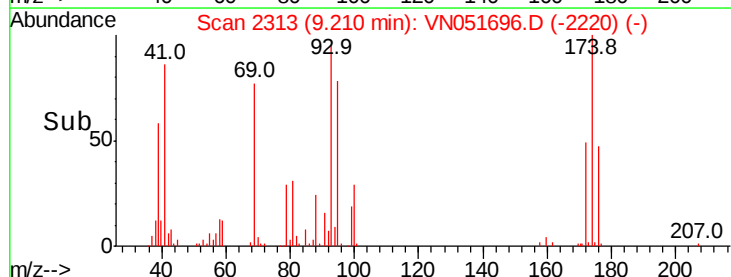
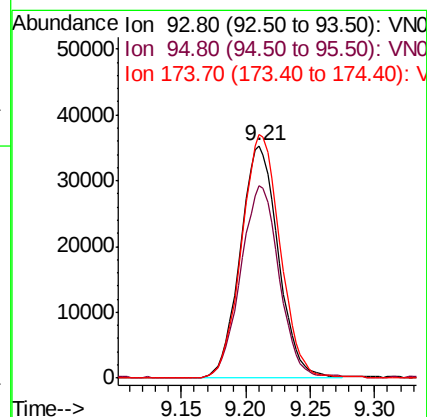
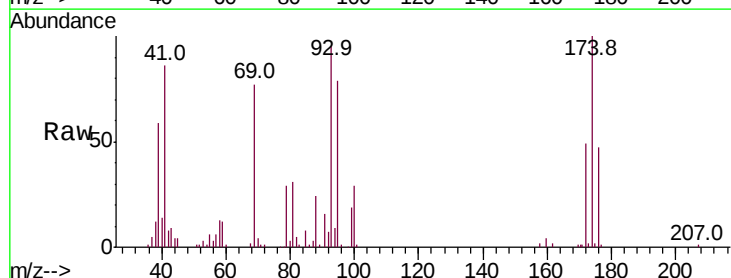
Tgt Ion: 93 Resp: 72748

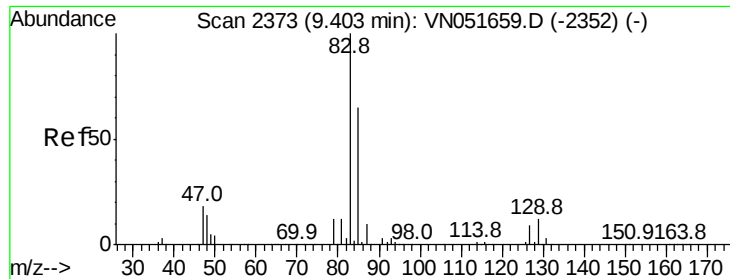
Ion Ratio Lower Upper

93 100

95 83.9 66.6 100.0

174 105.8 85.9 128.9





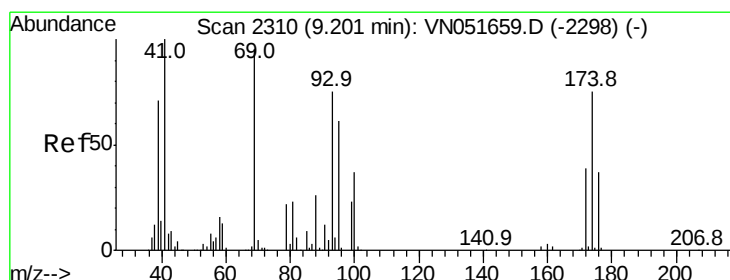
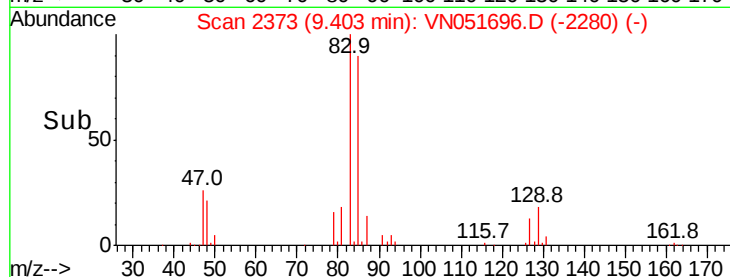
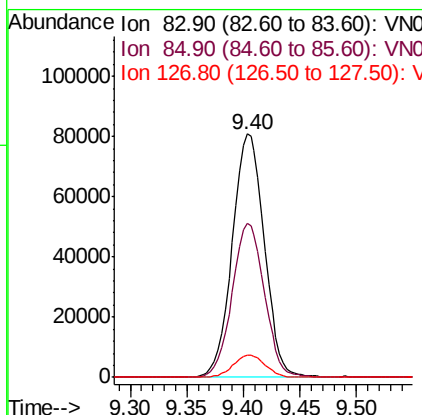
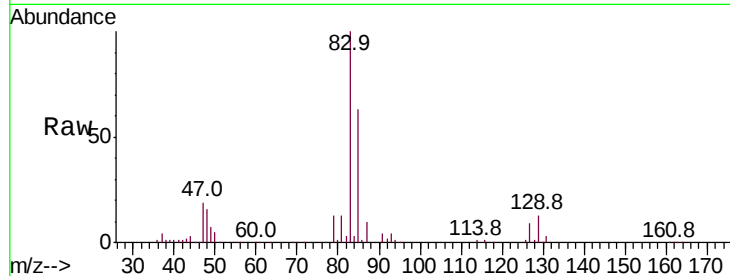
#47
Bromodichloromethane
Concen: 18.491 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.6	77.4
127	9.3	7.3	10.9

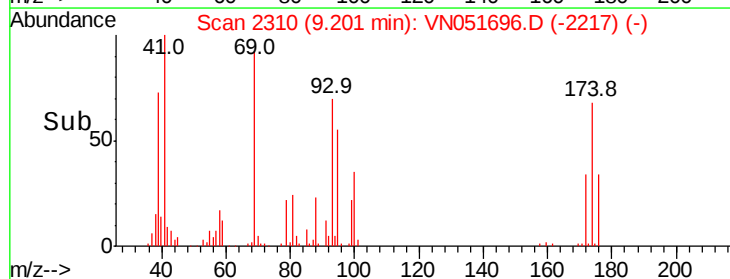
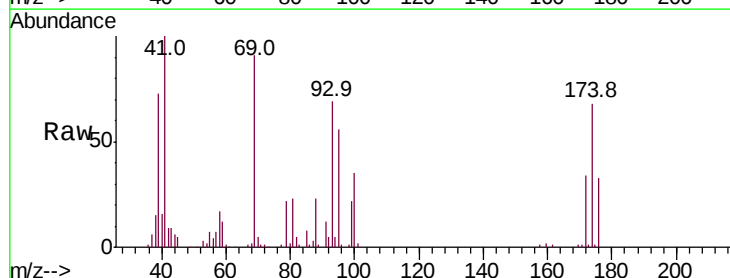
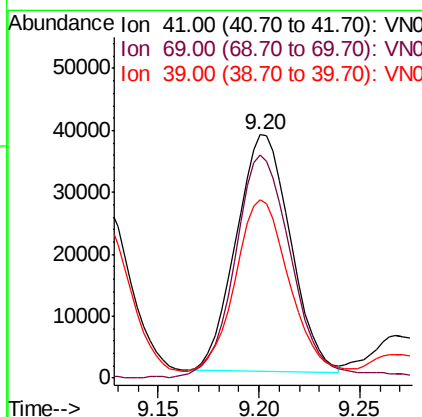
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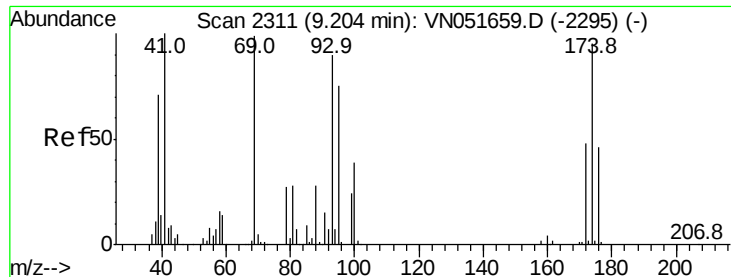
MMDadoda
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#48
Methyl methacrylate
Concen: 18.781 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
41	100		
69	97.2	78.6	118.0
39	72.1	59.2	88.8





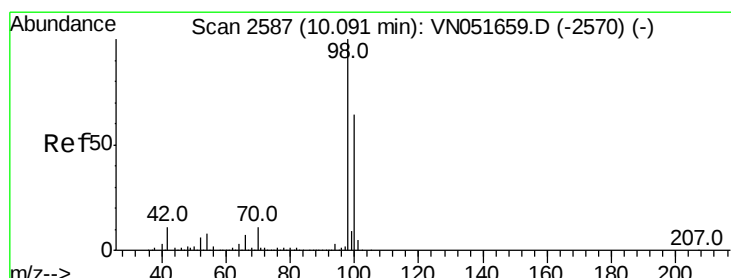
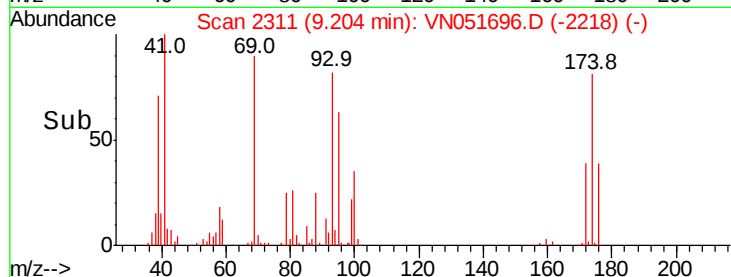
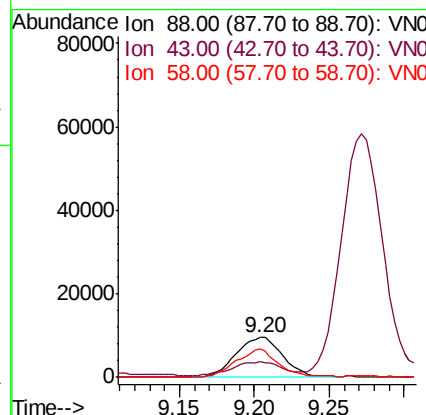
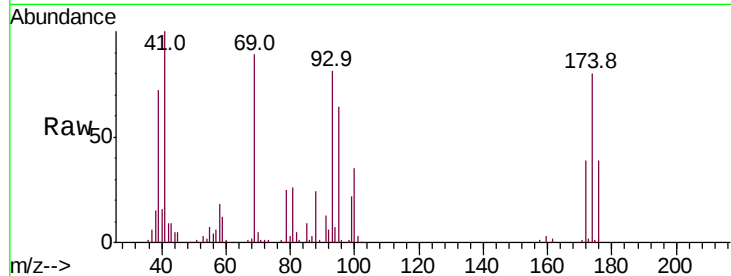
#49
 1,4-Dioxane
 Concen: 364.147 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN051696.D
 Acq: 5 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006MBSD01

Tot Ion	88	Resp	20908
Ion	Ratio	Lower	Upper
88	100		
43	35.0	24.5	36.7
58	64.2	47.6	71.4

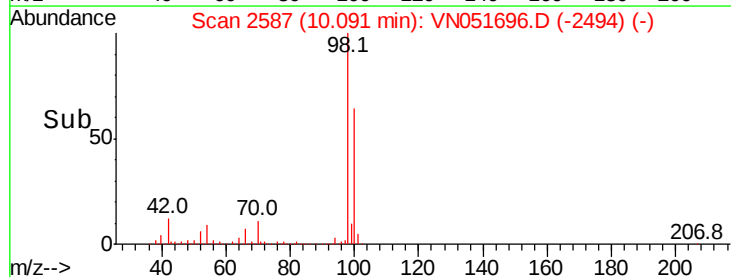
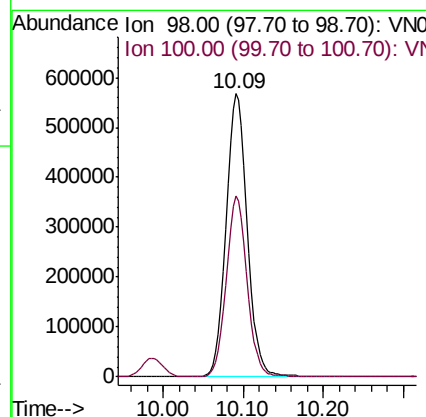
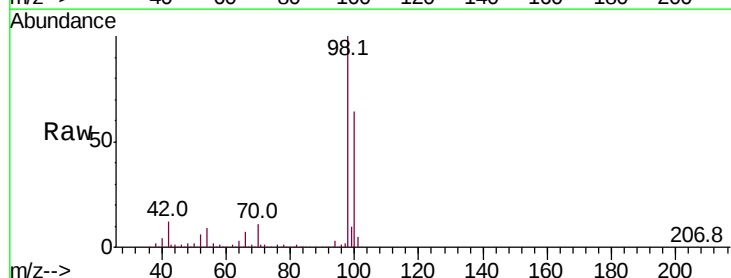
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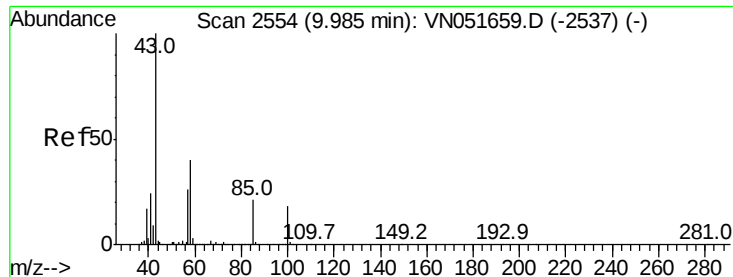
MMDadoda
 10/8/2018 12:50:05 PM



#50
 Toluene-d8
 Concen: 364.147 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN051696.D
 Acq: 5 Oct 2018 19:32

Tgt Ion	98	Resp	1041510
Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 98.894 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1006MBSD01

Tot Ion: 43 Resp: 419932

Ion Ratio Lower Upper

43 100

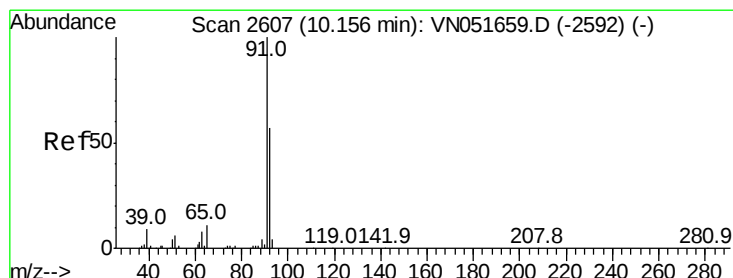
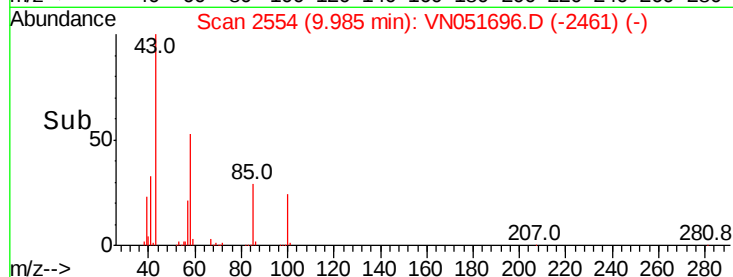
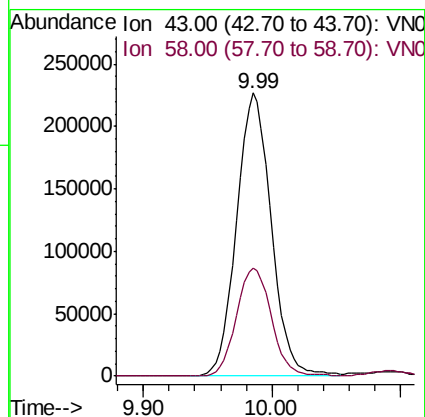
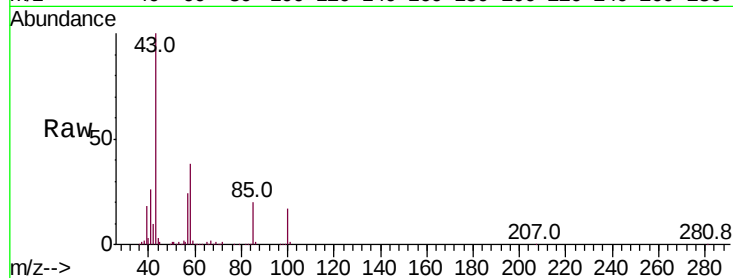
58 38.9 32.2 48.2

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#52

Toluene

Concen: 17.750 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051696.D

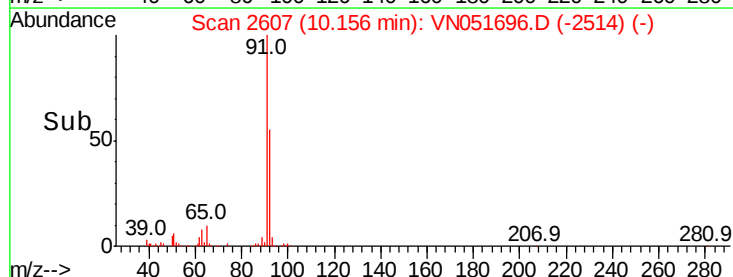
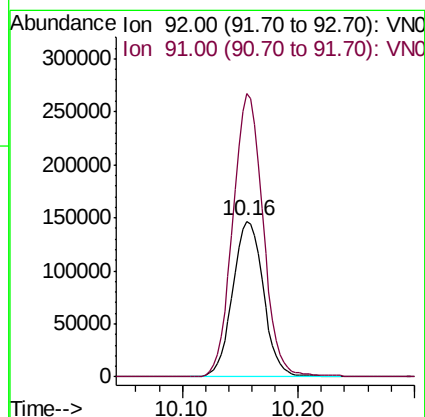
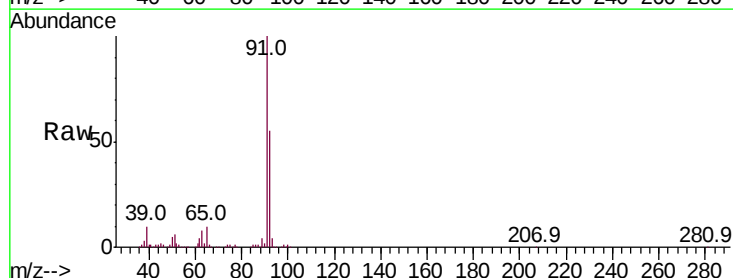
Acq: 5 Oct 2018 19:32

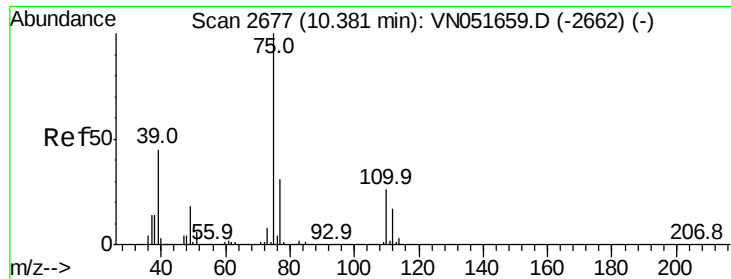
Tgt Ion: 92 Resp: 269697

Ion Ratio Lower Upper

92 100

91 178.1 140.3 210.5





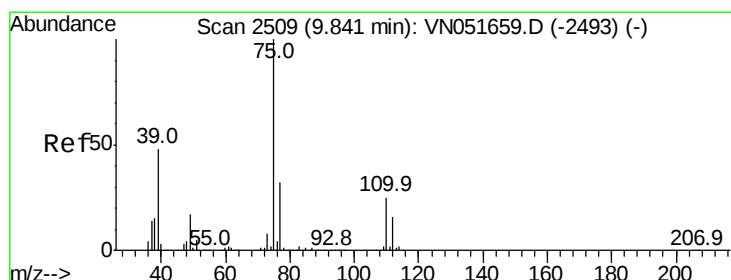
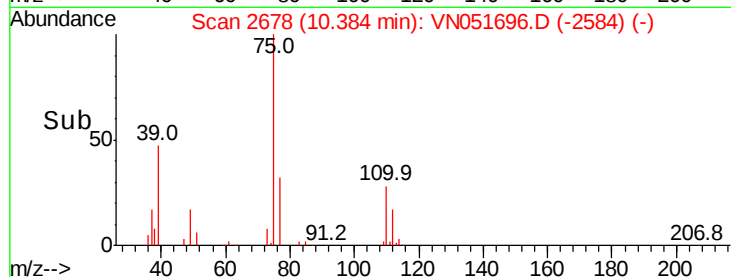
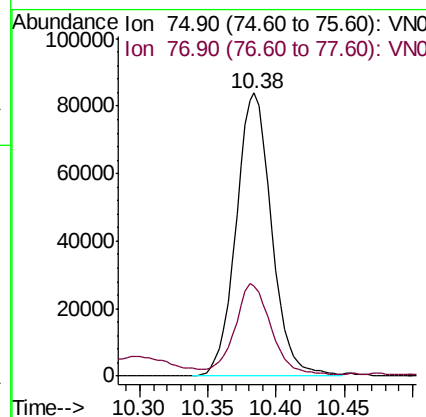
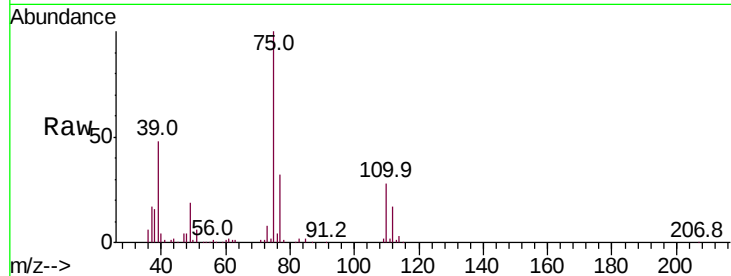
#53
t-1,3-Dichloropropene
Concen: 17.005 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBSD01

Tot Ion: 75 Resp: 151650
Ion Ratio Lower Upper
75 100
77 31.2 25.5 38.3

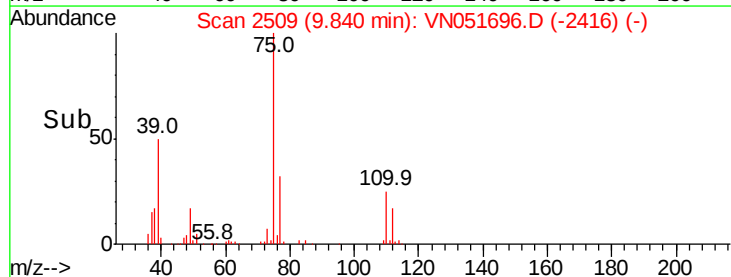
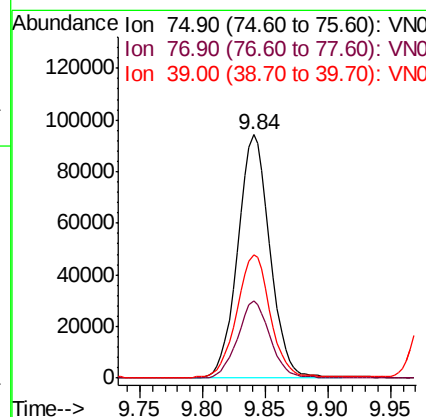
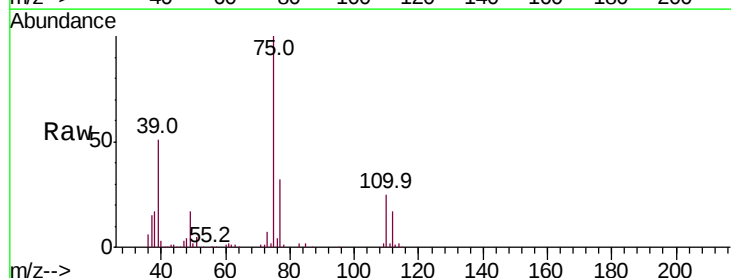
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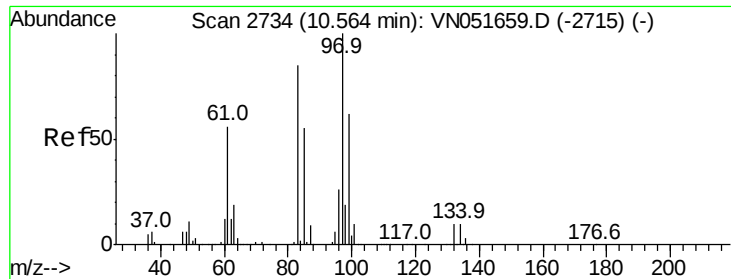
MMDadoda
10/8/2018 12:50:05 PM



#54
cis-1,3-Dichloropropene
Concen: 17.781 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion: 75 Resp: 168390
Ion Ratio Lower Upper
75 100
77 31.6 25.7 38.5
39 50.2 38.1 57.1





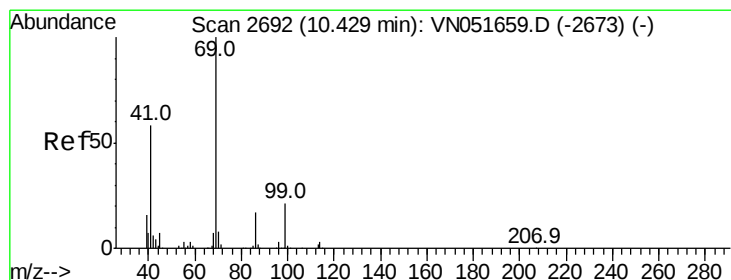
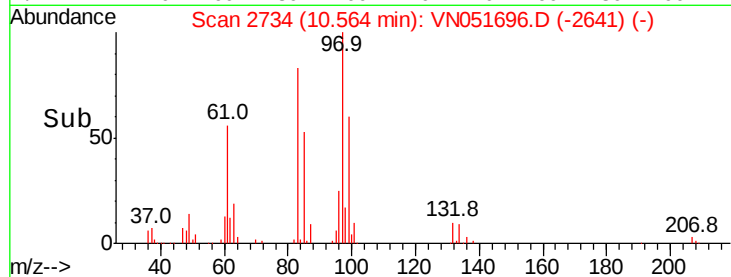
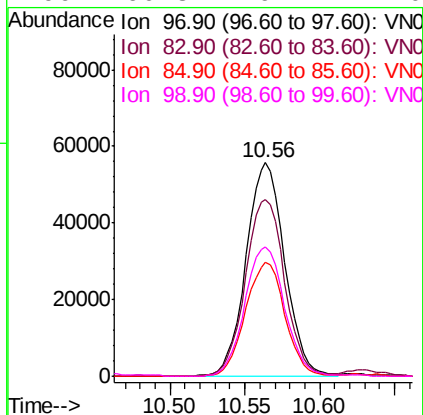
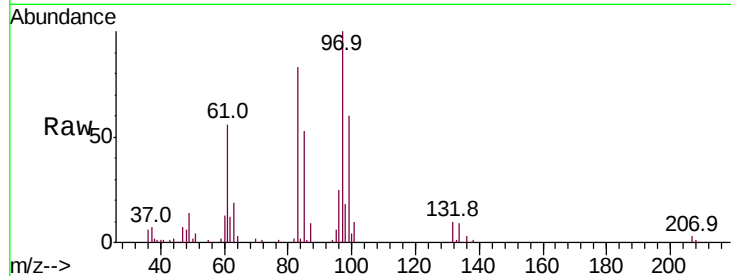
#55
1,1,2-Trichloroethane
Concen: 18.520 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBSD01

Tot Ion	97	Resp	100244
Ion	Ratio	Lower	Upper
97	100		
83	82.8	68.1	102.1
85	53.3	43.6	65.4
99	60.3	49.4	74.0

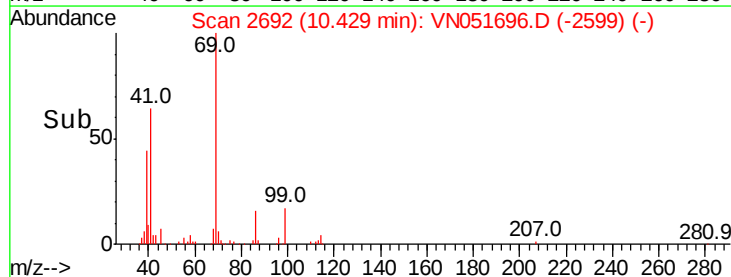
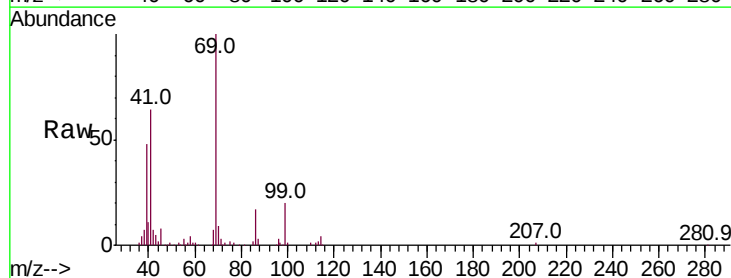
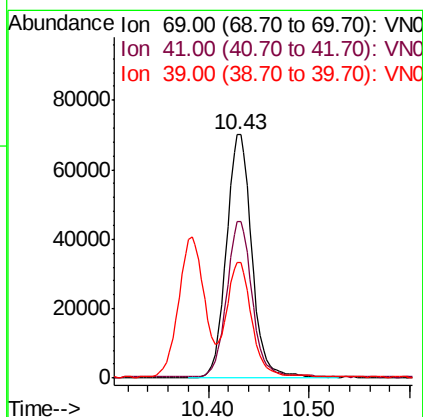
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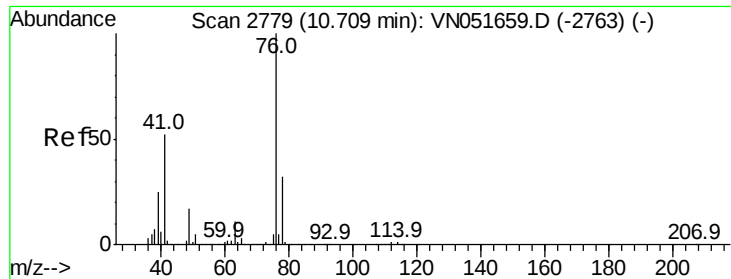
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#56
Ethyl methacrylate
Concen: 18.170 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion	69	Resp	124378
Ion	Ratio	Lower	Upper
69	100		
41	62.6	46.4	69.6
39	43.8	32.4	48.6





#57

1,3-Dichloropropane

Concen: 18.473 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051696.D

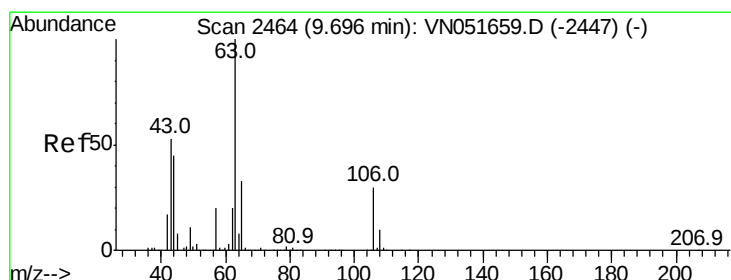
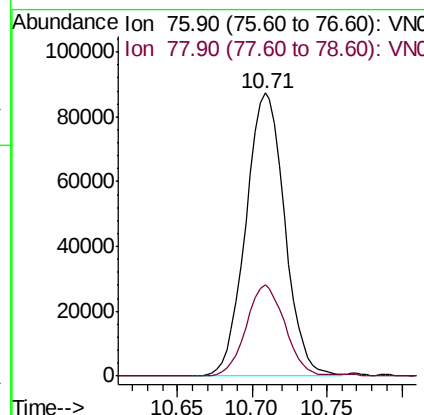
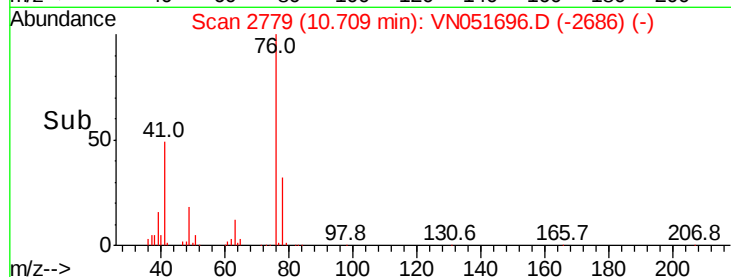
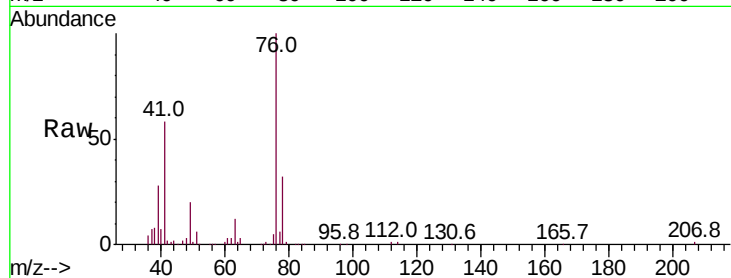
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.0	39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 100.255 ug/l

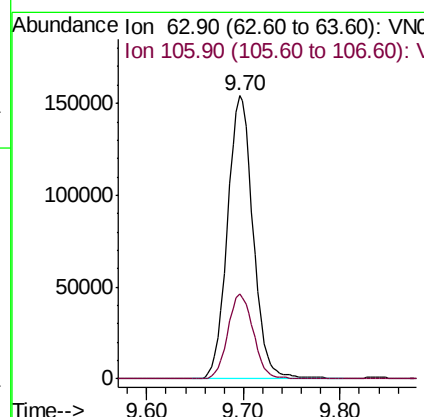
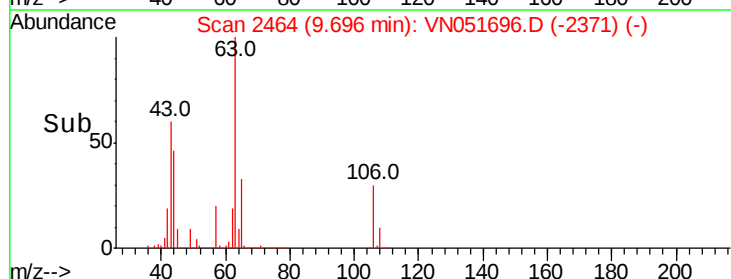
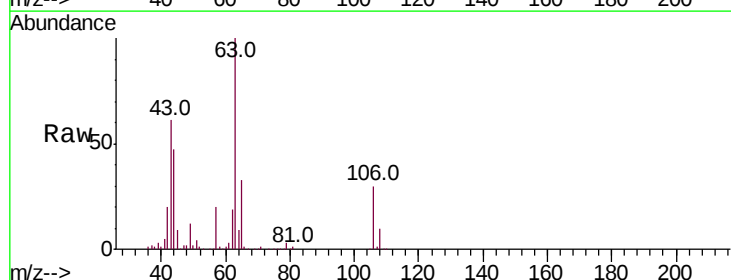
RT: 9.70 min Scan# 2464

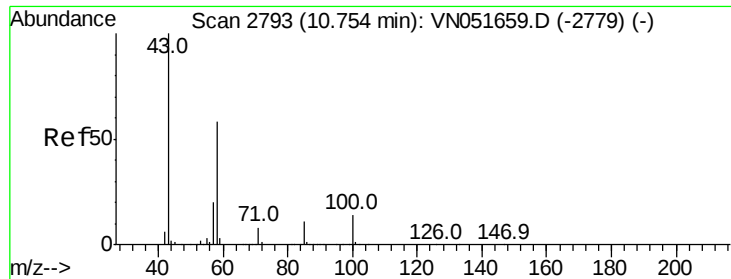
Delta R.T. -0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	24.3	36.5





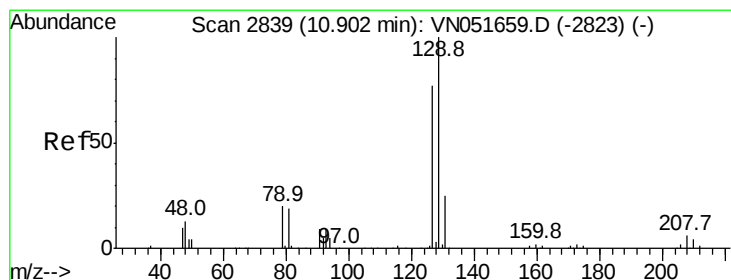
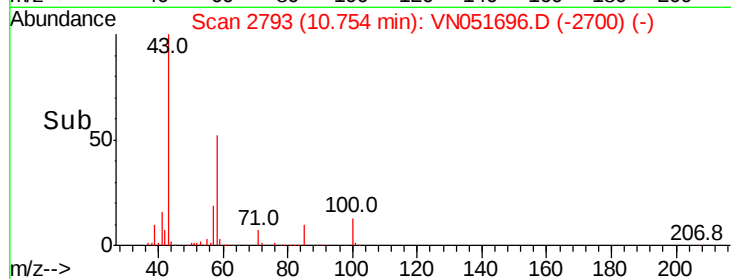
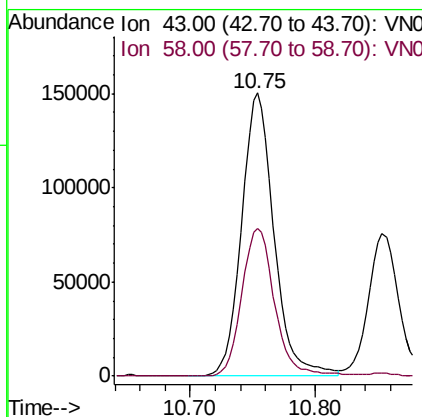
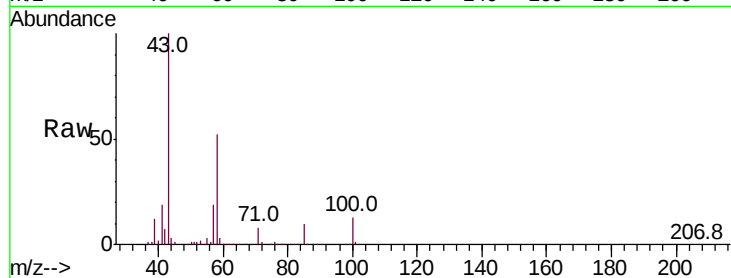
#59
2-Hexanone
Concen: 93.149 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampled :
VN1006MBSD01

Tot Ion: 43 Resp: 268623
Ion Ratio Lower Upper
43 100
58 53.3 28.8 86.4

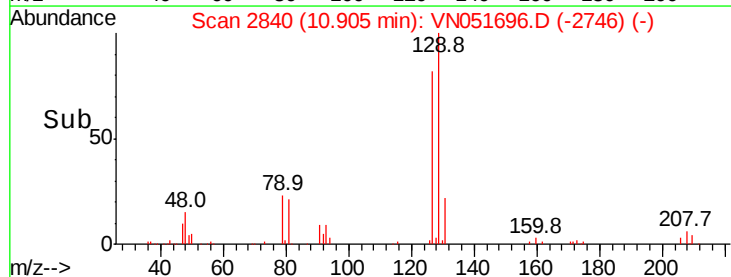
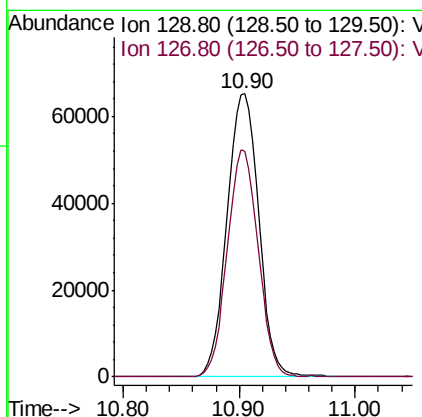
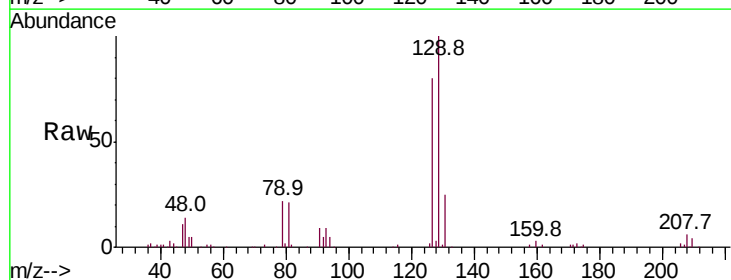
Manual Integrations
APPROVED

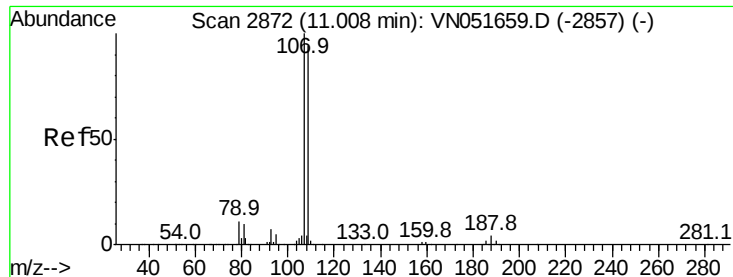
MMDadoda
10/8/2018 12:50:05 PM



#60
Dibromochloromethane
Concen: 17.450 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion: 129 Resp: 123606
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.7





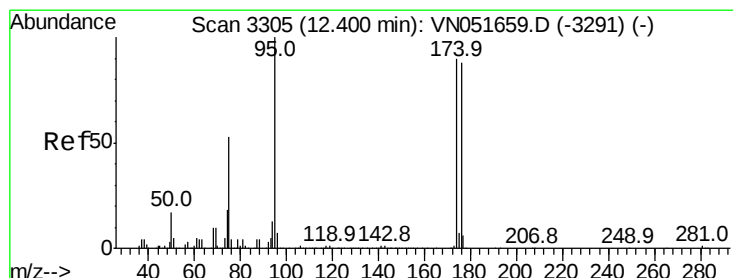
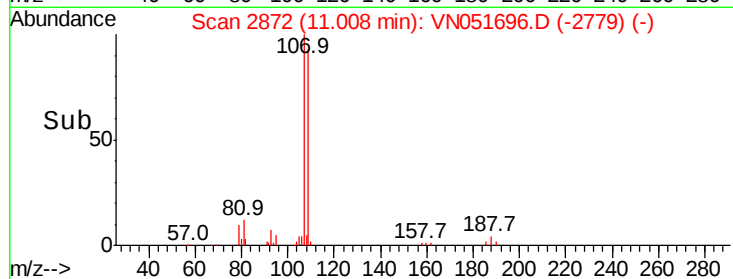
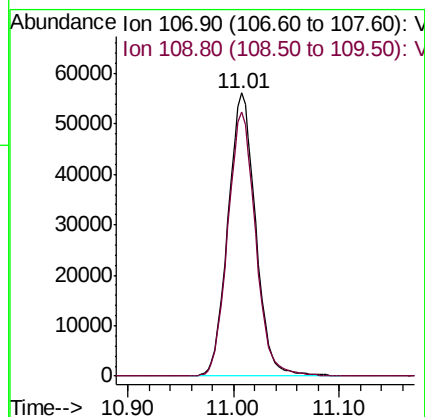
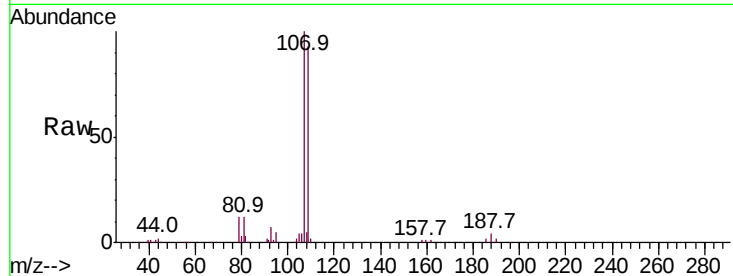
#61
 1,2-Dibromoethane
 Concen: 17.741 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051696.D
 Acq: 5 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.4	113.0

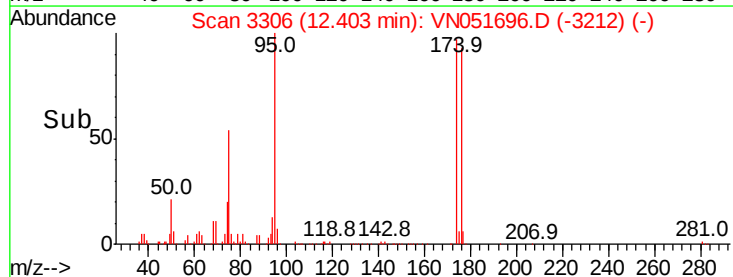
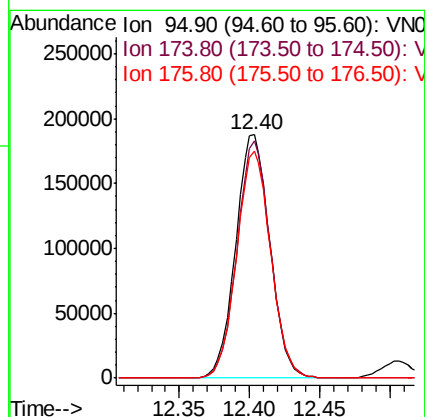
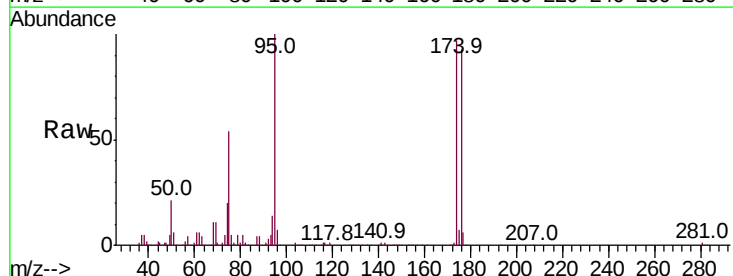
Manual Integrations
 APPROVED

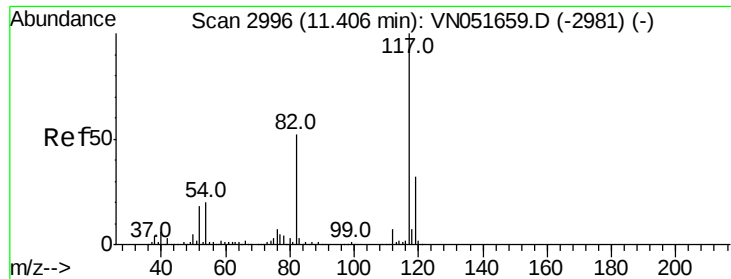
MMDadoda
 10/8/2018 12:50:05 PM



#62
 4-Bromofluorobenzene
 Concen: 17.741 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051696.D
 Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.3	0.0	182.8
176	92.9	0.0	176.4





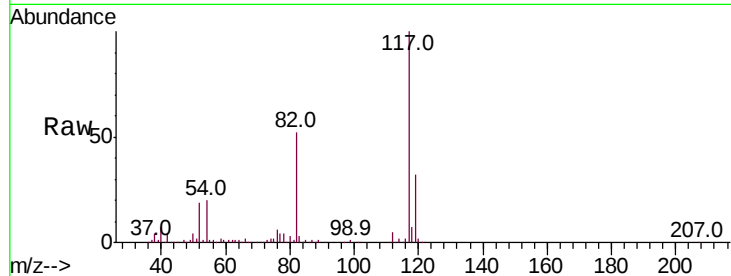
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	660753		
82	52.1		41.3	61.9
119	32.0		25.9	38.9

Manual Integrations
APPROVED

MMDadoda
10/8/2018 12:50:05 PM

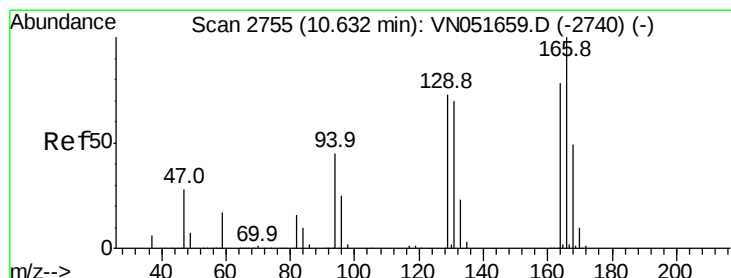
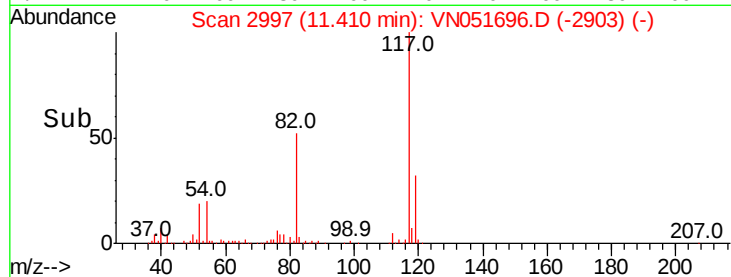
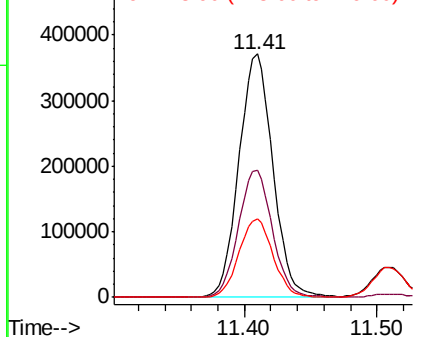


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.265 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	112307		
166	129.1		103.0	154.6
129	87.9		75.2	112.8
131	88.0		71.7	107.5

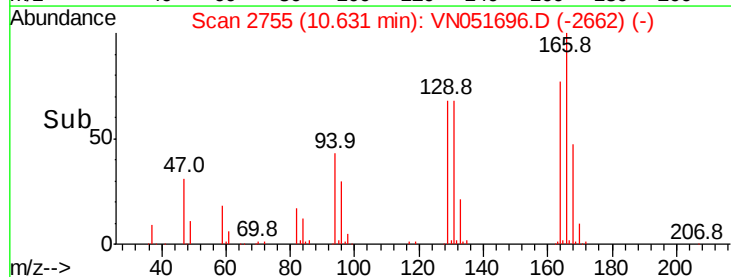
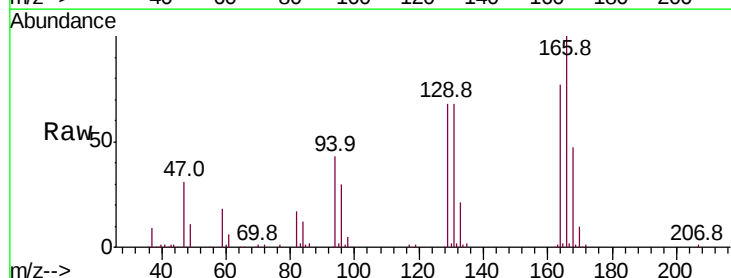
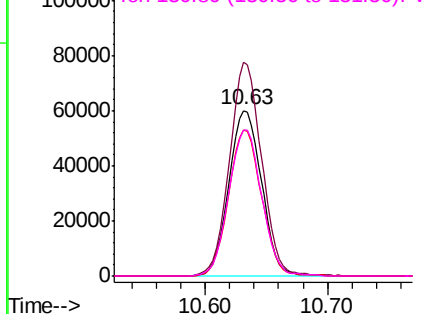
Abundance

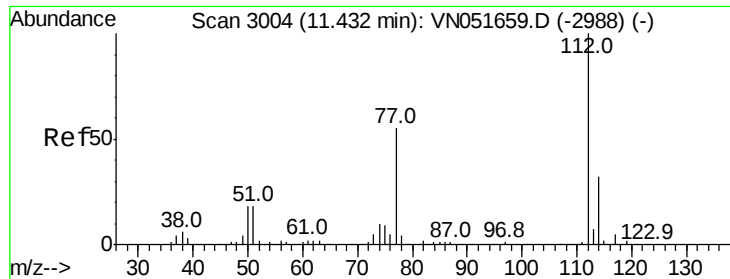
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





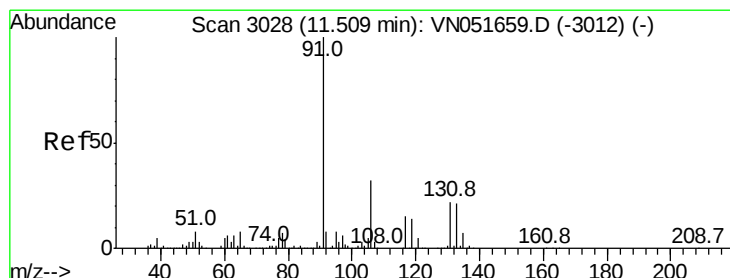
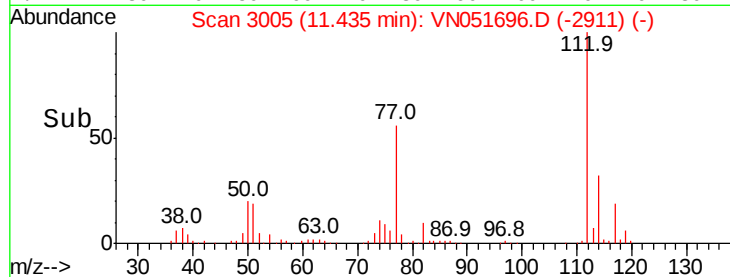
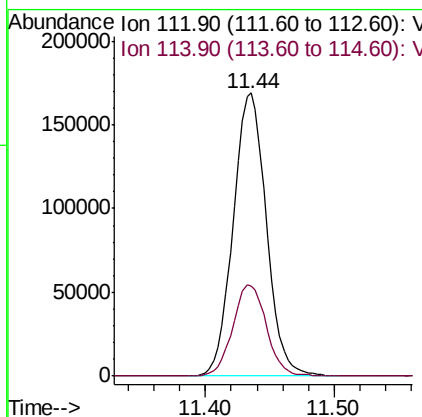
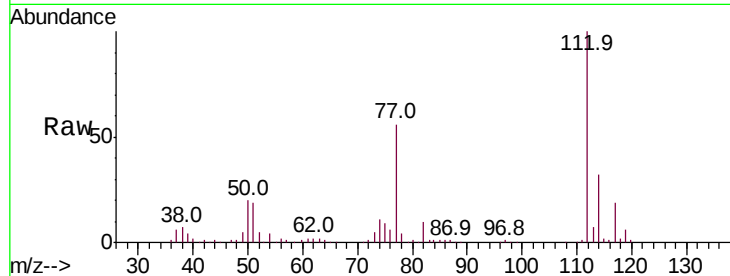
#65
Chlorobenzene
Concen: 18.430 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBSD01

Tot Ion:112 Resp: 301596
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9

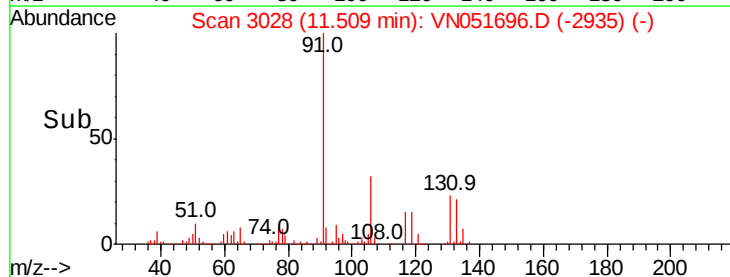
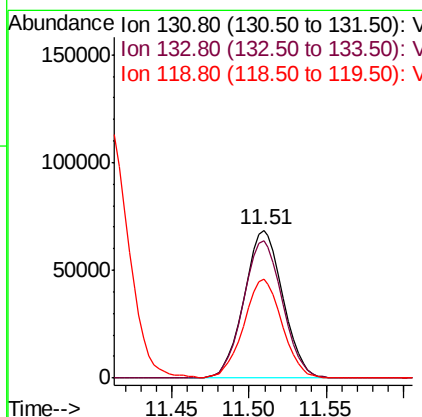
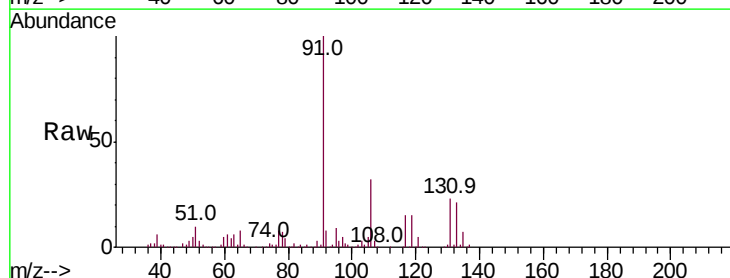
Manual Integrations
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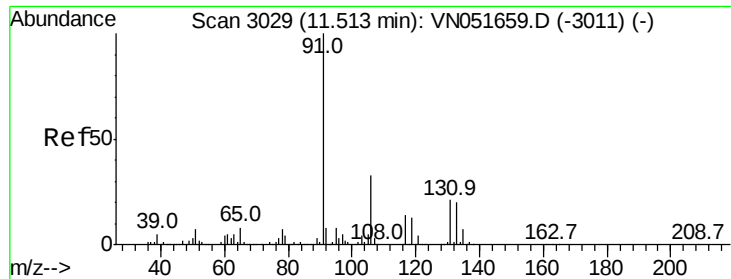
MMDadoda
10/8/2018 12:50:05 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.281 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion:131 Resp: 119784
Ion Ratio Lower Upper
131 100
133 94.2 47.6 142.8
119 66.1 32.0 96.0





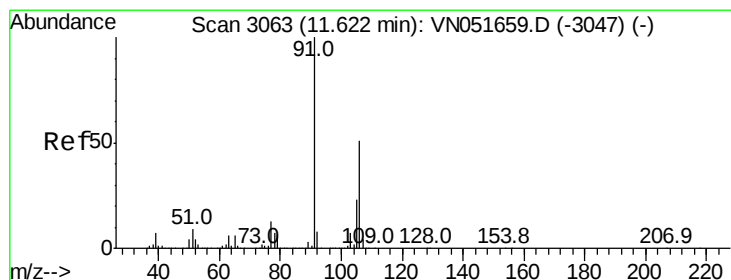
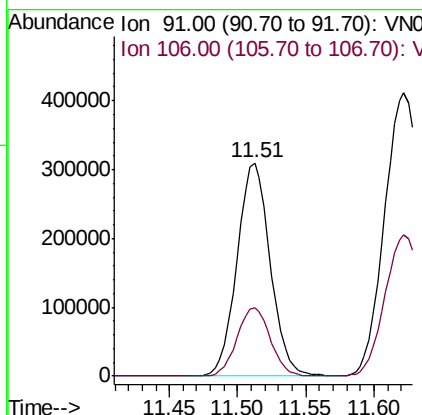
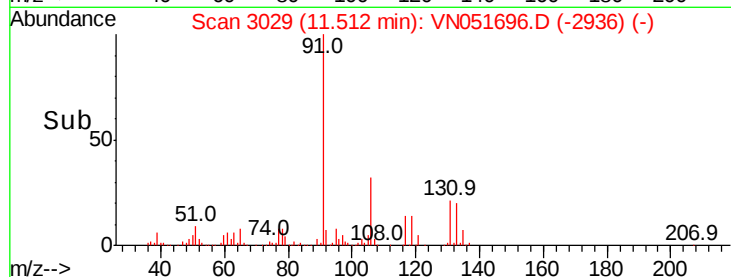
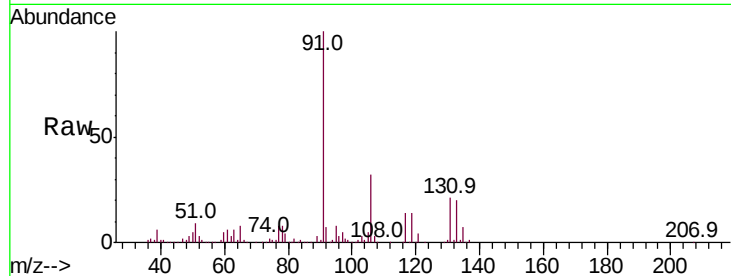
#67
Ethyl Benzene
Concen: 18.472 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampled :
VN1006MBSD01

Tot Ion: 91 Resp: 522500
Ion Ratio Lower Upper
91 100
106 31.9 26.0 39.0

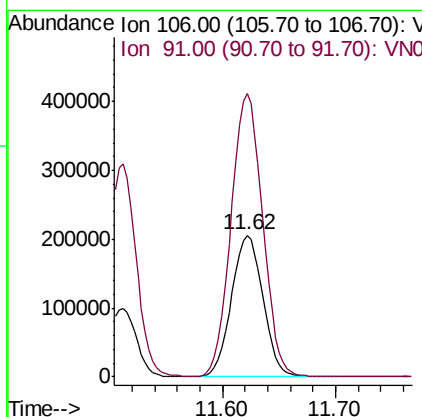
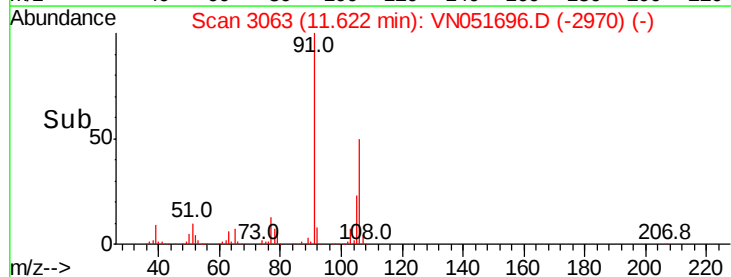
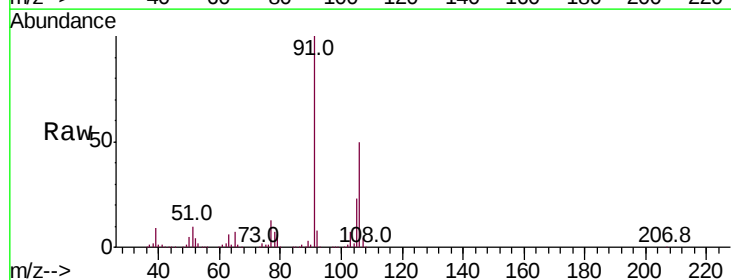
Manual Integrations
APPROVED

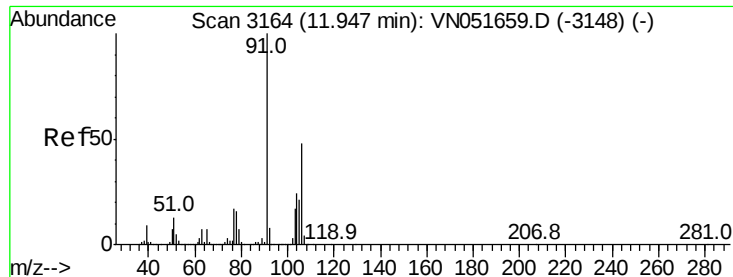
MMDadoda
10/8/2018 12:50:05 PM



#68
m/p-Xylenes
Concen: 35.229 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion: 106 Resp: 398698
Ion Ratio Lower Upper
106 100
91 200.9 158.4 237.6





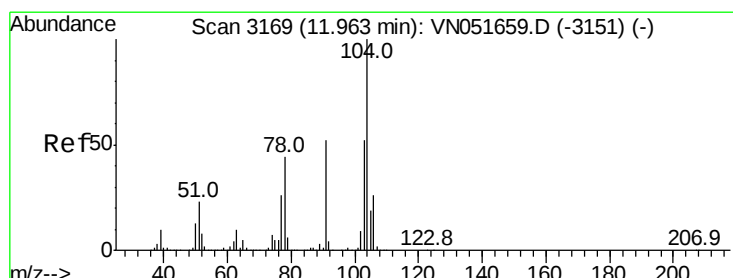
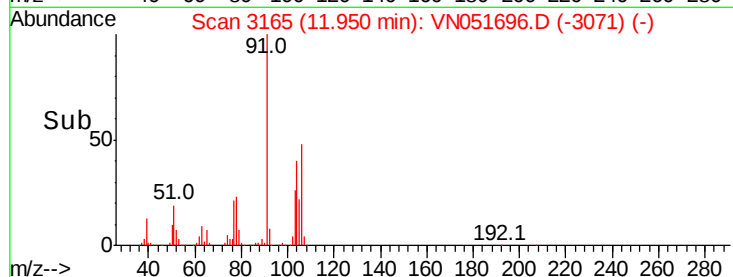
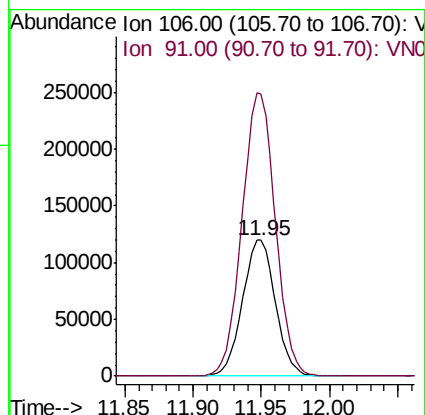
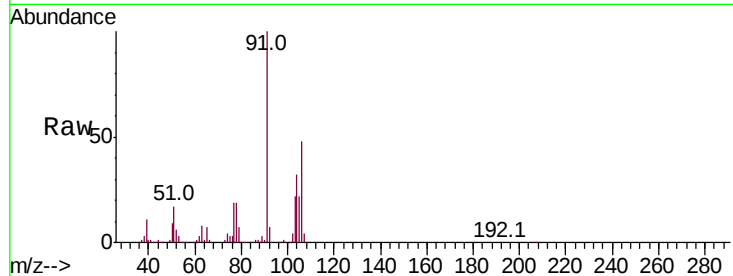
#69
o-Xylene
Concen: 18.126 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.0	104.4	313.2

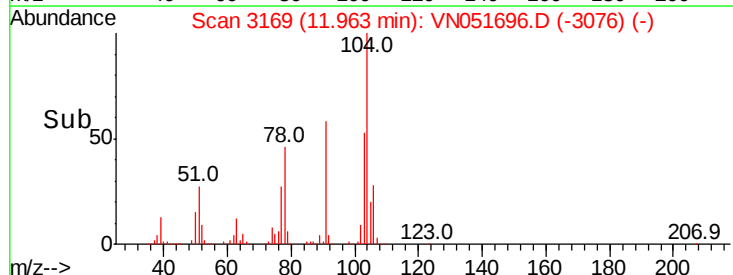
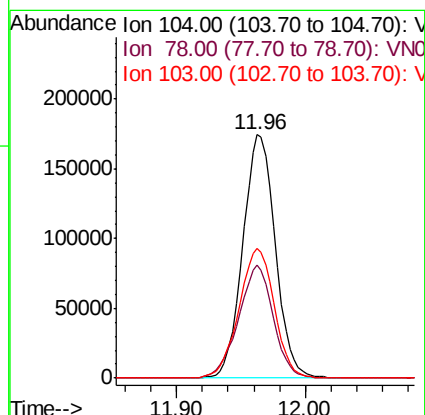
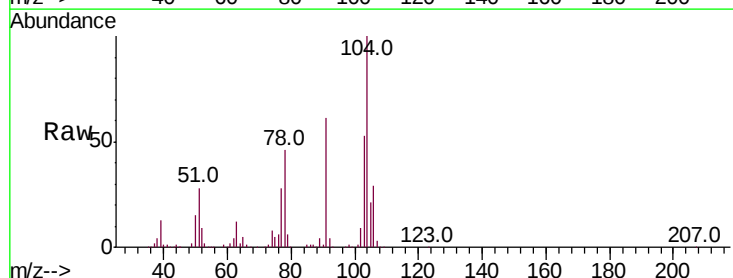
Manual Integrations
APPROVED

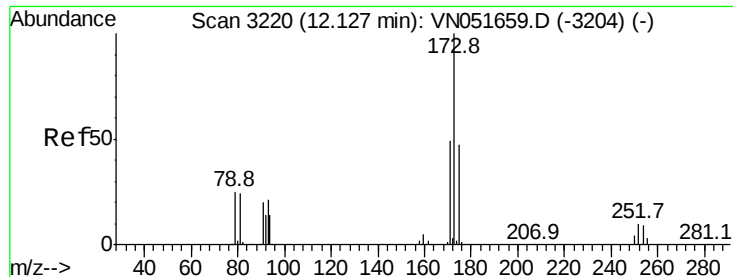
MMDadoda
10/8/2018 12:50:05 PM



#70
Styrene
Concen: 17.344 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.3	39.3	58.9
103	57.8	45.0	67.6





#71

Bromoform

Concen: 16.627 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1006MBSD01

Tot Ion:173 Resp: 81037

Ion Ratio Lower Upper

173 100

175 50.5 24.0 72.0

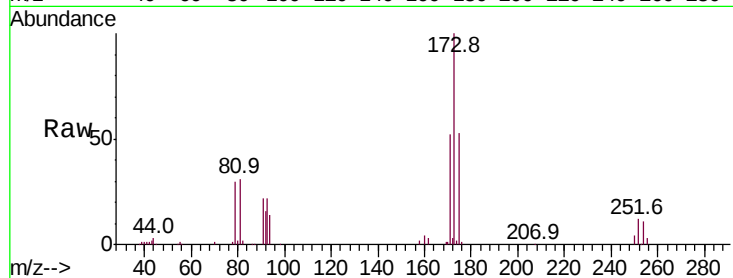
254 0.0 0.1 0.1#

Manual Integrations

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MMDadoda

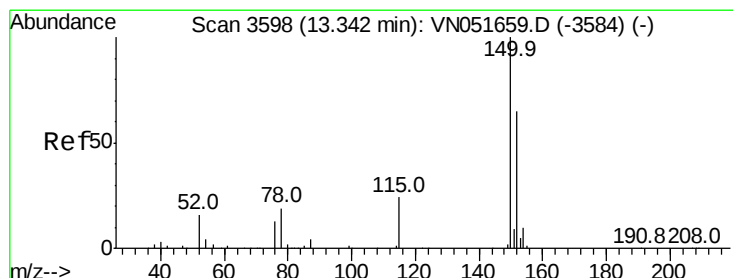
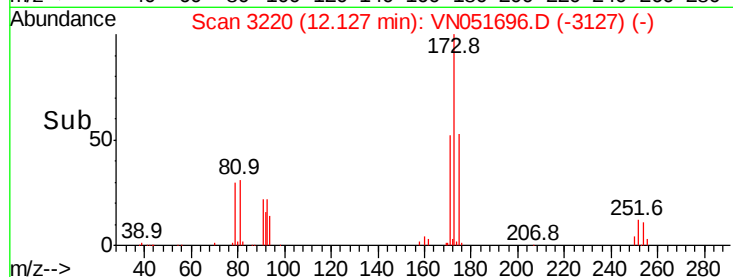
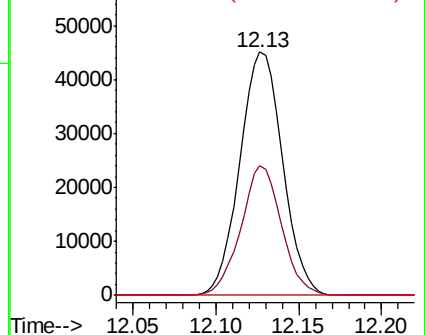
10/8/2018 12:50:05 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

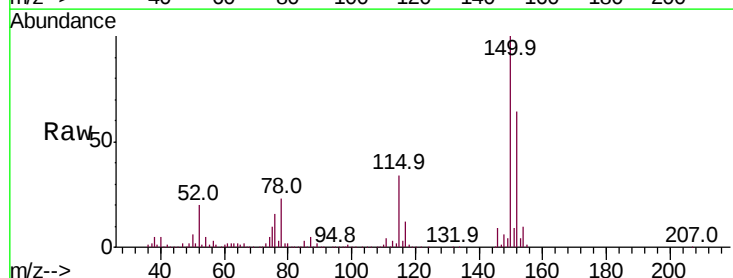
Tgt Ion:152 Resp: 318622

Ion Ratio Lower Upper

152 100

115 54.5 28.6 85.8

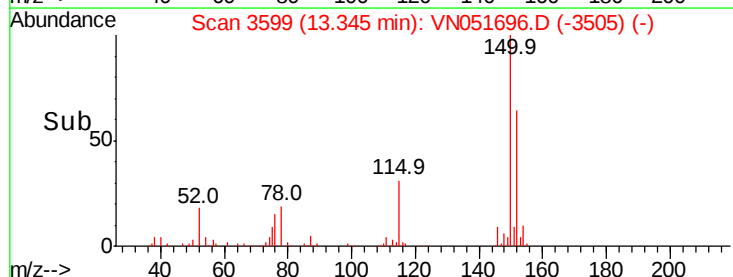
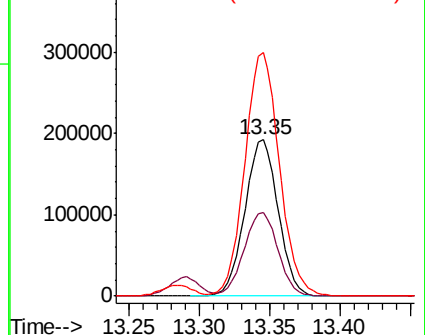
150 162.1 0.0 352.4

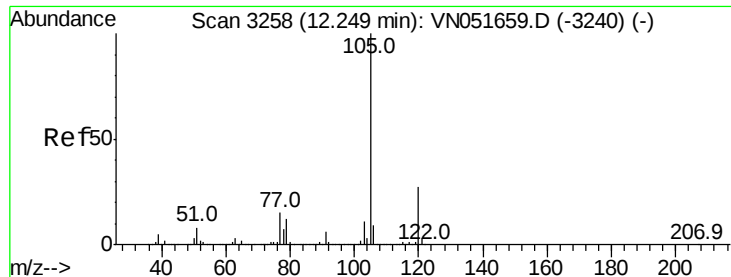


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





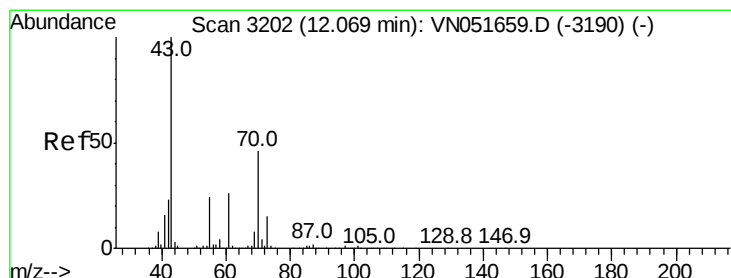
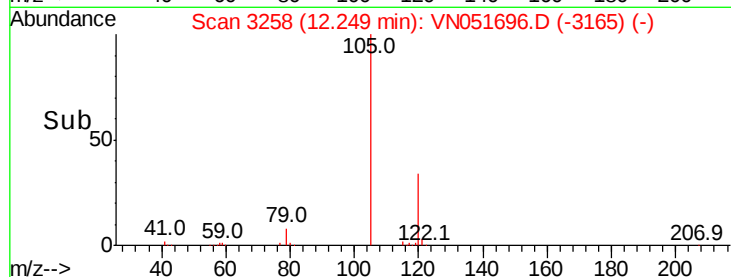
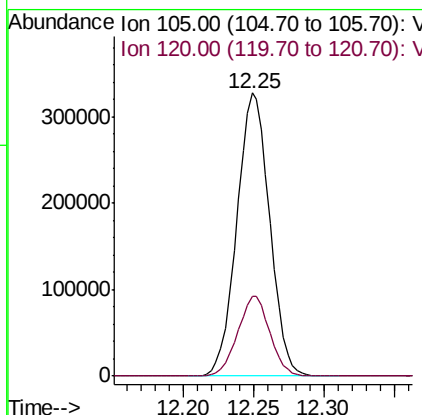
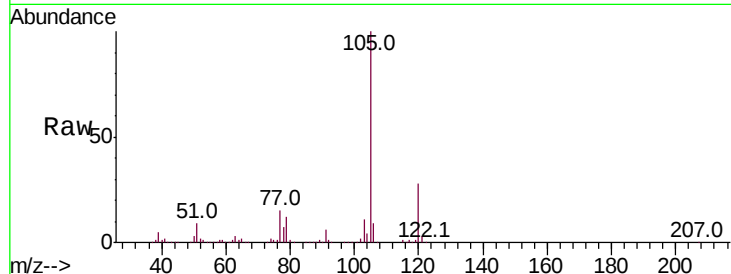
#73
Isopropylbenzene
Concen: 19.646 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampled :
VN1006MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.9	41.6

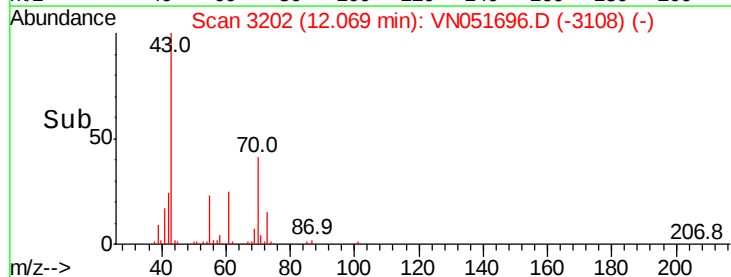
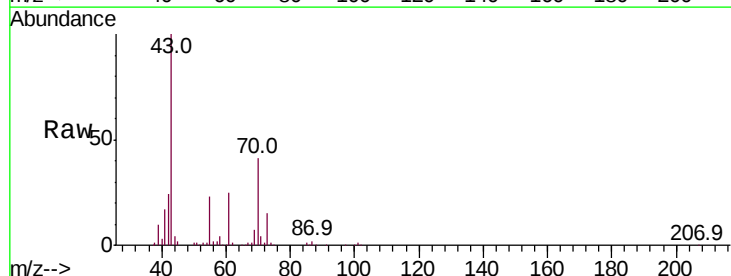
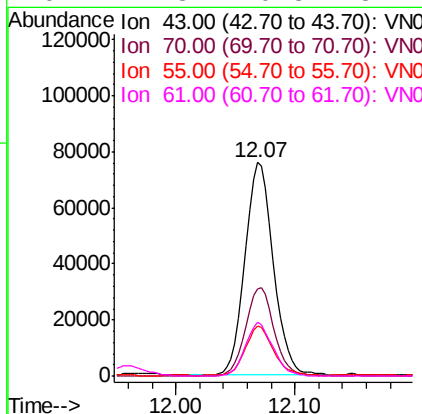
Manual Integrations
APPROVED

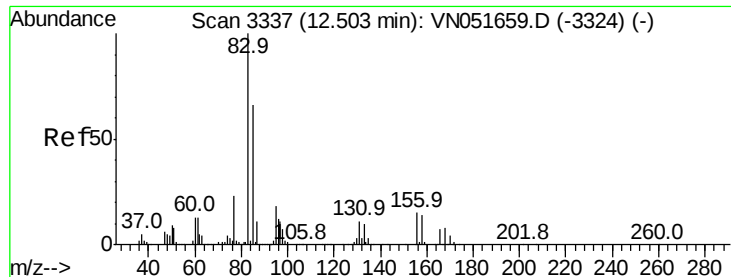
MMDadoda
10/8/2018 12:50:05 PM



#74
N-ethyl acetate
Concen: 20.456 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.7	37.1	55.7
55	23.6	19.1	28.7
61	24.3	20.8	31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.540 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1006MBSD01

Tot Ion: 83 Resp: 120174

Ion Ratio Lower Upper

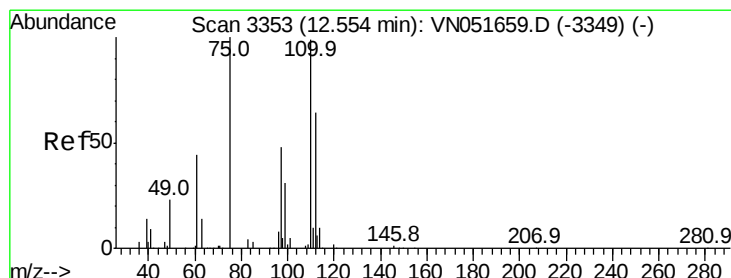
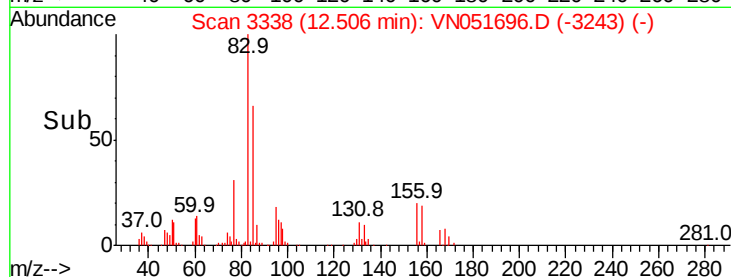
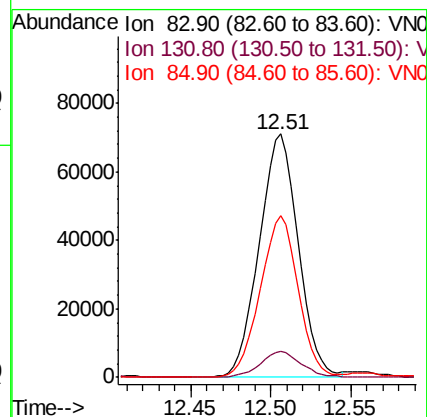
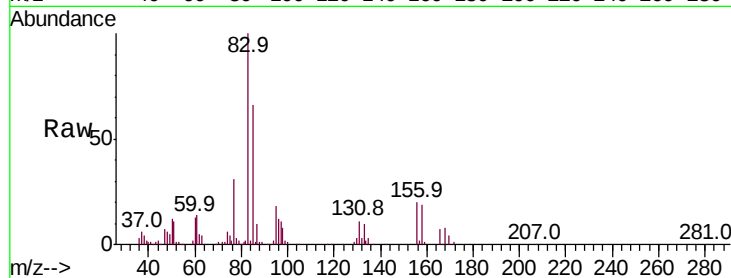
83 100

131 10.9 5.7 17.1

85 64.3 33.0 98.9

Manual Integrations
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MMDadoda
10/8/2018 12:50:05 PM



#76

1,2,3-Trichloropropane

Concen: 22.168 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051696.D

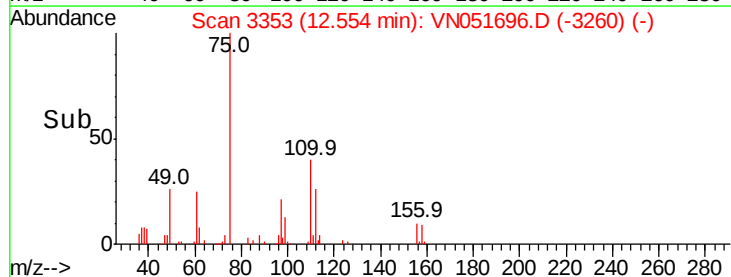
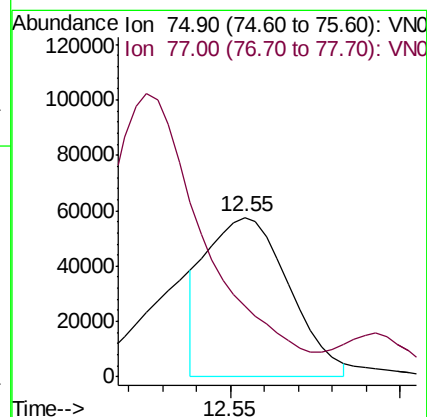
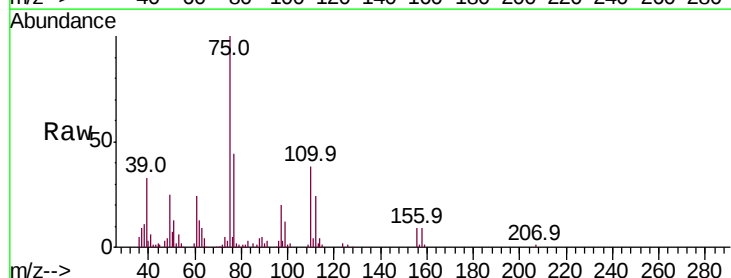
Acq: 5 Oct 2018 19:32

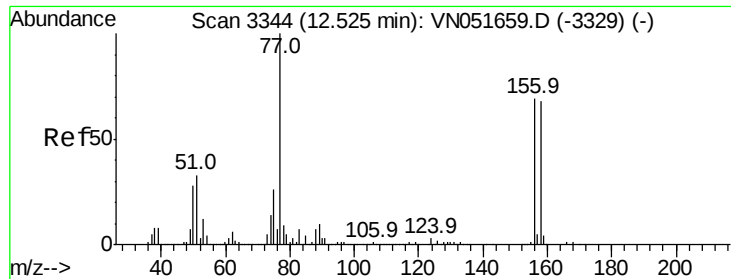
Tgt Ion: 75 Resp: 96805

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.539 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Instrument :

MSVOA_N

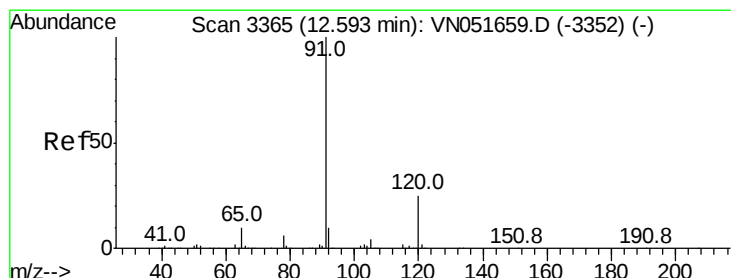
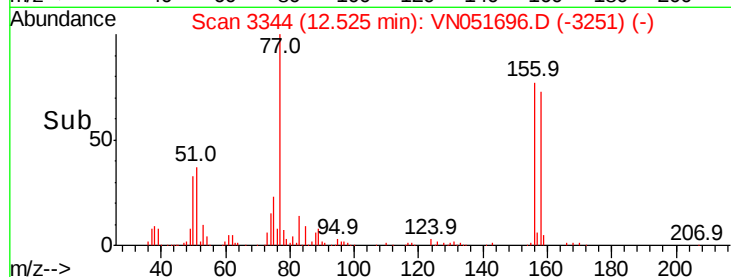
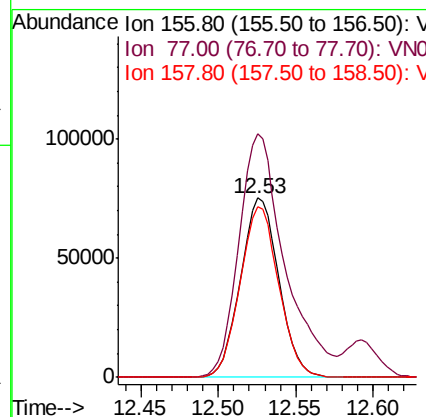
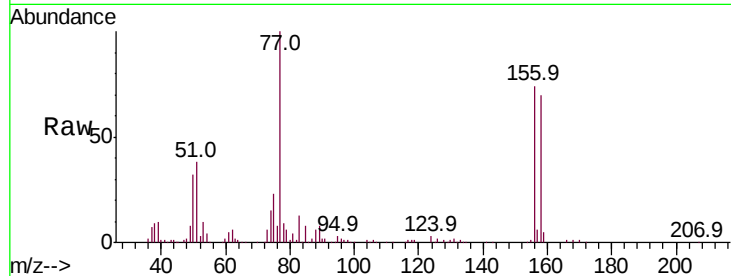
ClientSampleId :

VN1006MBSD01

Tot Ion:	156	Resp:	129757
Ion Ratio	Lower	Upper	
156	100		
77	164.0	83.2	249.4
158	95.9	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 19.485 ug/l

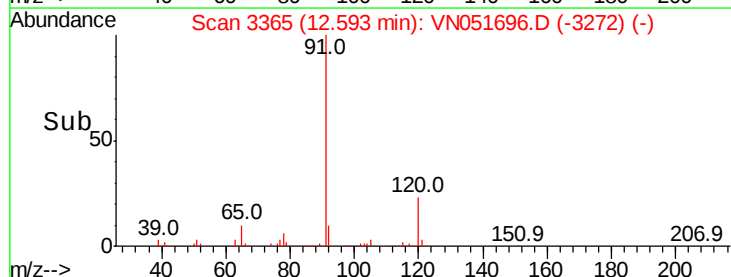
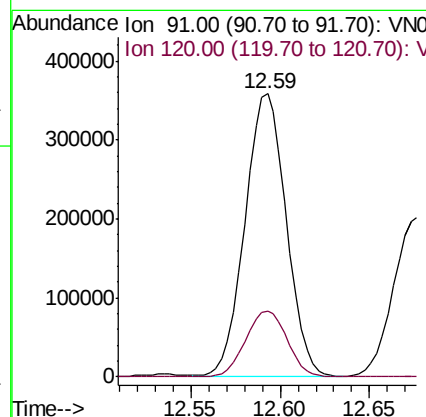
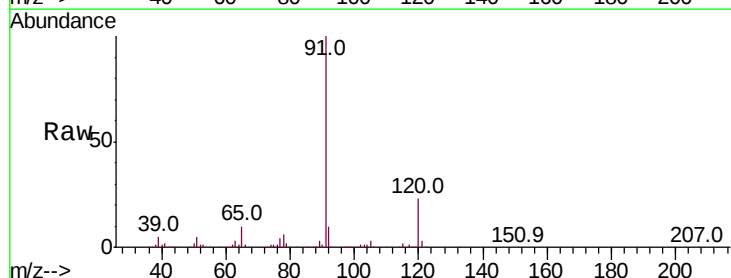
RT: 12.59 min Scan# 3365

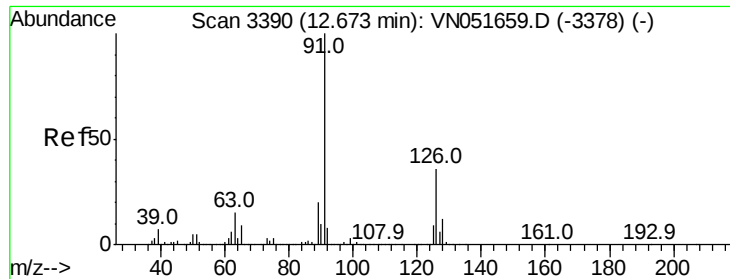
Delta R.T. -0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Tgt Ion:	91	Resp:	577230
Ion Ratio	Lower	Upper	
91	100		
120	23.7	12.4	37.2





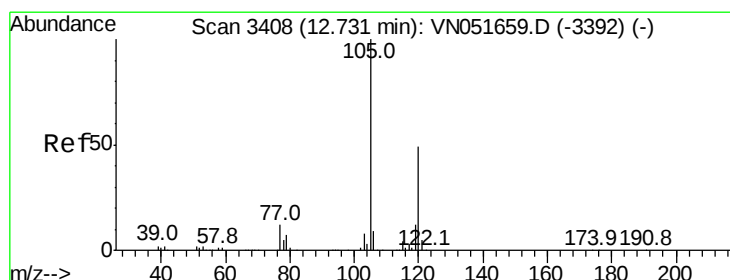
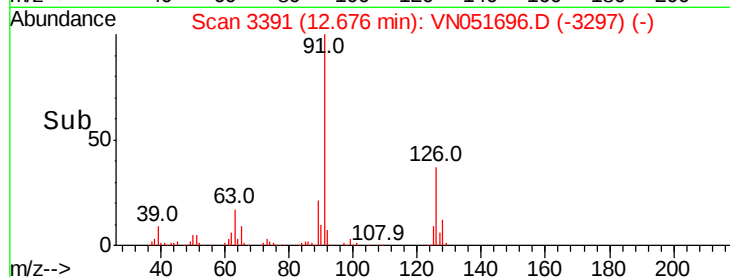
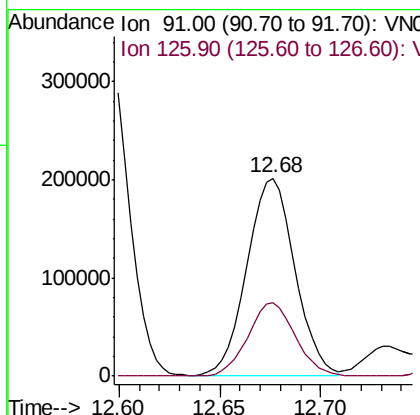
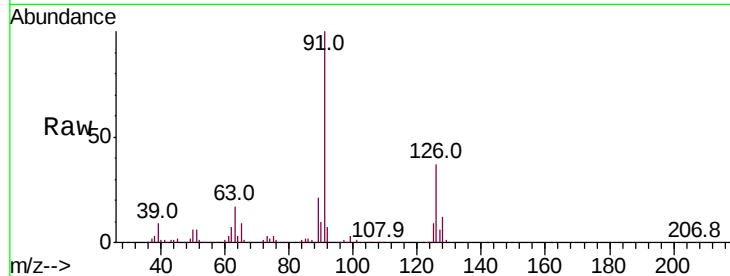
#79
 2-Chlorotoluene
 Concen: 19.130 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN051696.D
 Acq: 5 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006MBSD01

Tot Ion: 91 Resp: 334004
 Ion Ratio Lower Upper
 91 100
 126 37.0 18.5 55.5

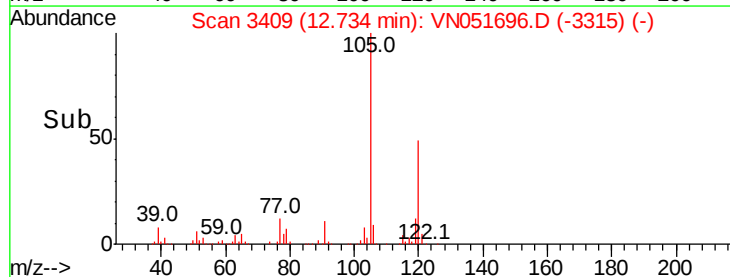
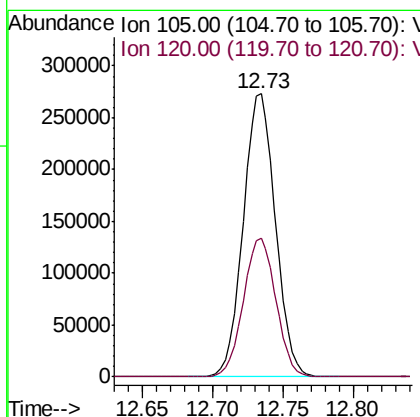
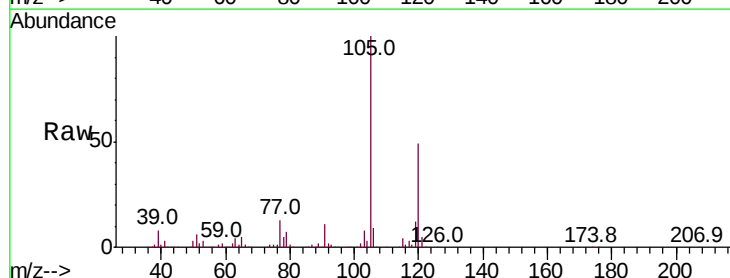
Manual Integrations
 APPROVED

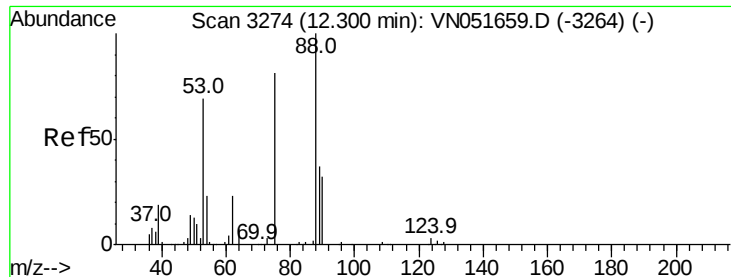
MMDadoda
 10/8/2018 12:50:05 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.067 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051696.D
 Acq: 5 Oct 2018 19:32

Tgt Ion: 105 Resp: 436430
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.471 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1006MBSD01

Tot Ion: 75 Resp: 30283

Ion Ratio Lower Upper

75 100

53 97.4 68.6 102.8

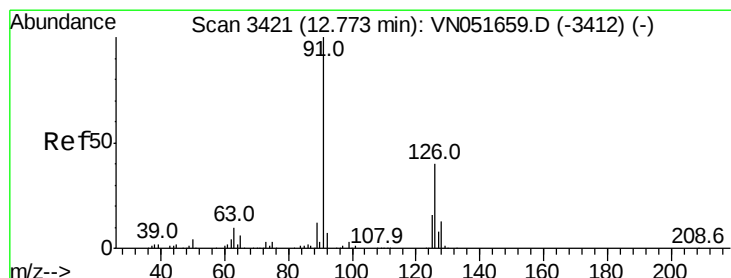
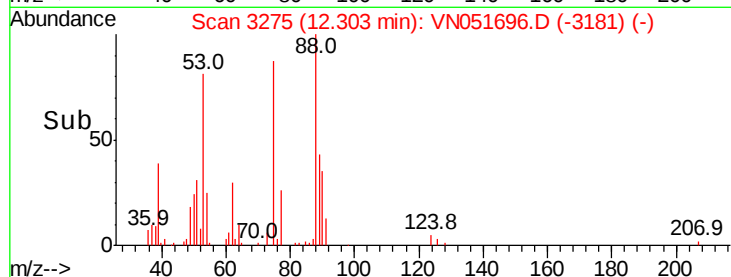
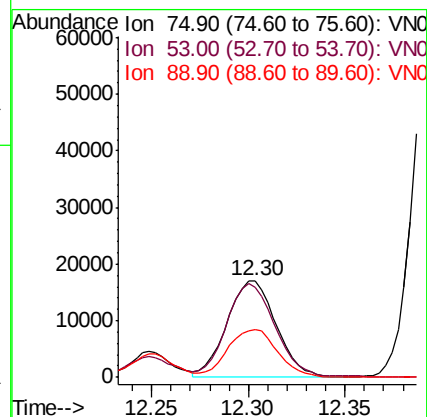
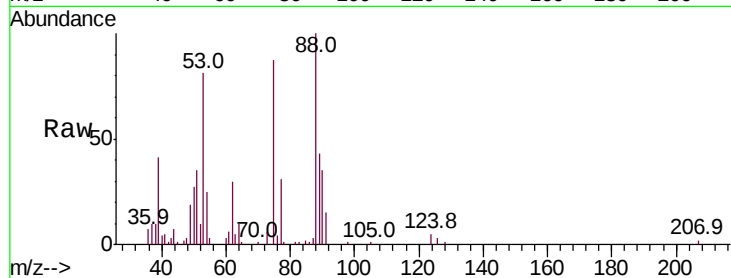
89 49.9 39.4 59.2

Manual Integrations

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#82

4-Chlorotoluene

Concen: 18.700 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051696.D

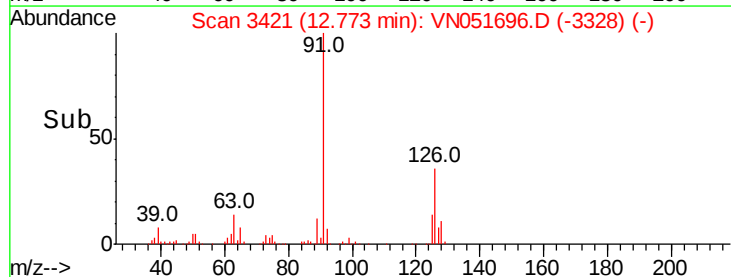
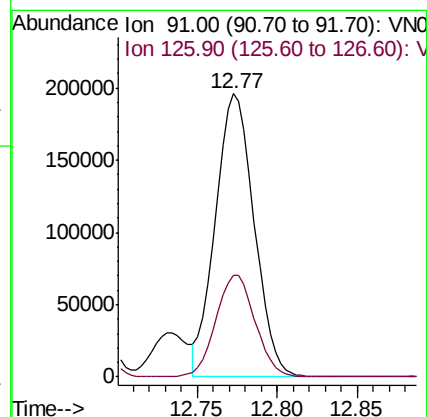
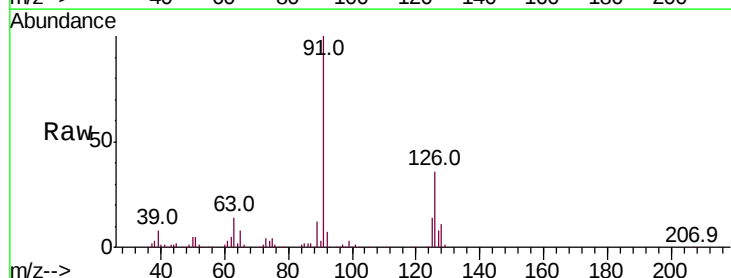
Acq: 5 Oct 2018 19:32

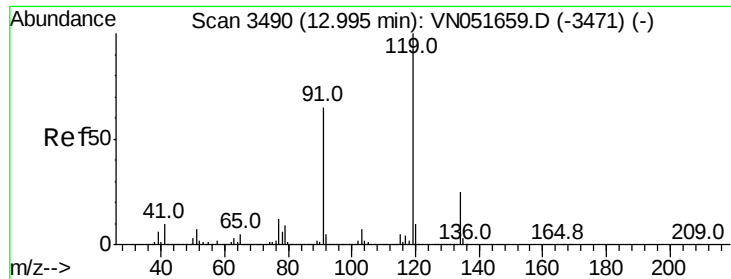
Tgt Ion: 91 Resp: 327980

Ion Ratio Lower Upper

91 100

126 36.3 18.0 54.0





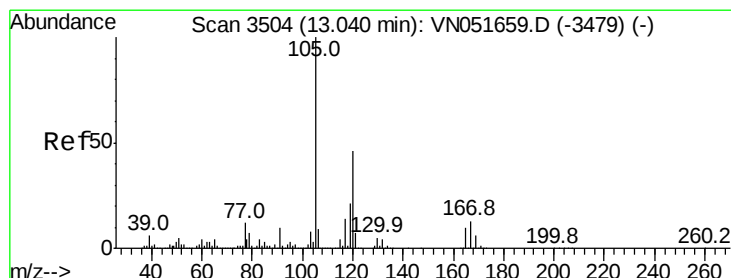
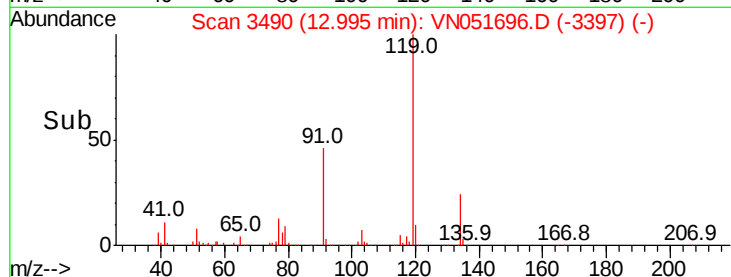
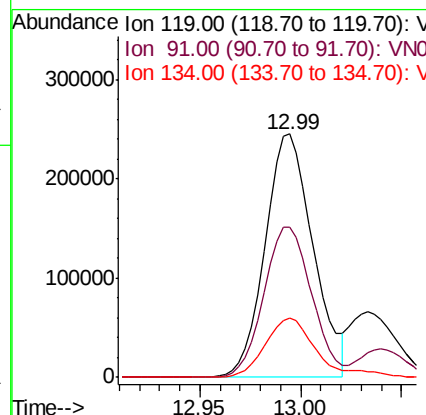
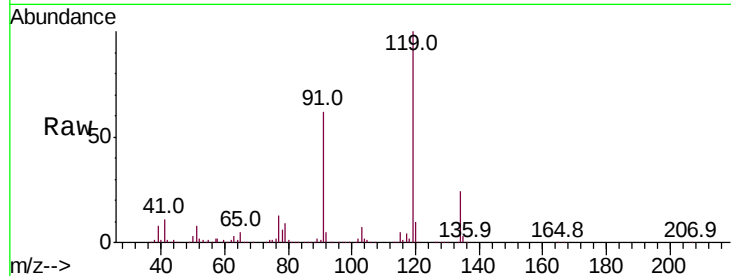
#83
 tert-Butylbenzene
 Concen: 19.842 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051696.D
 Acq: 5 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.7	32.1	96.5
134	26.2	13.3	39.9

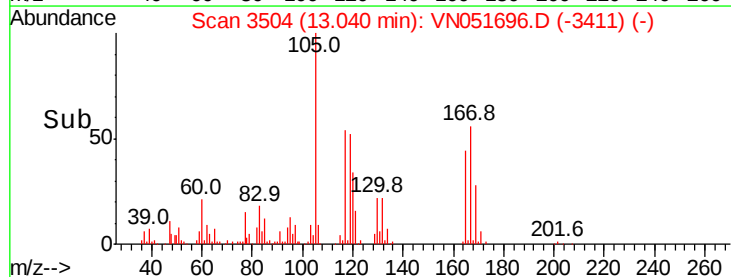
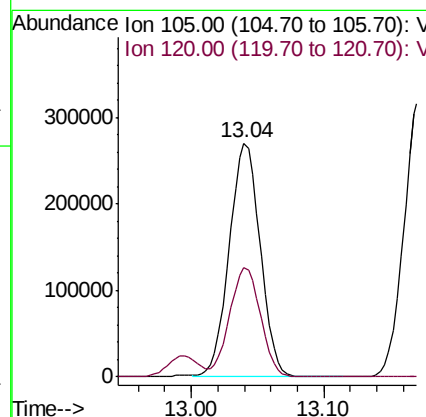
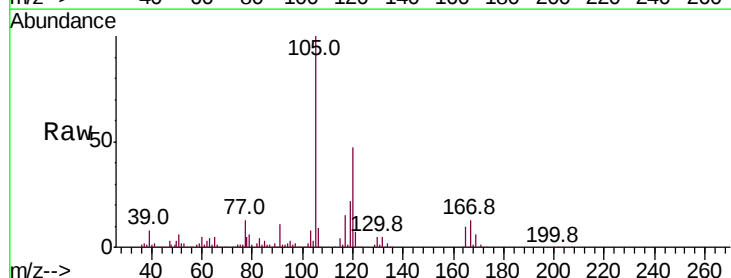
Manual Integrations
 APPROVED

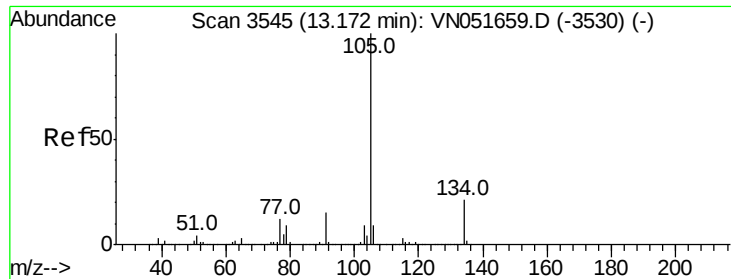
MMDadoda
 10/8/2018 12:50:05 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.144 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051696.D
 Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	22.9	68.7





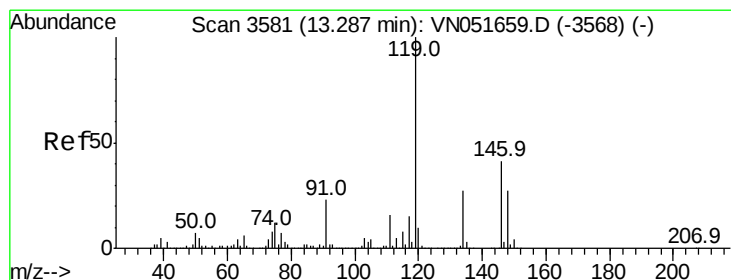
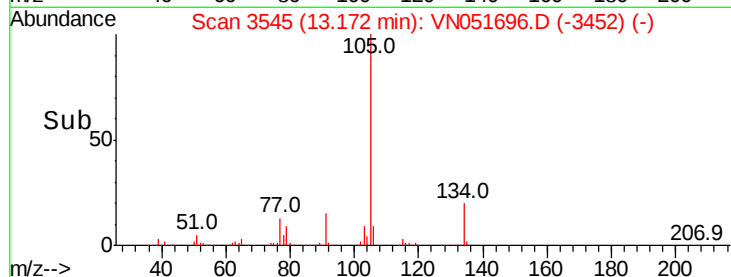
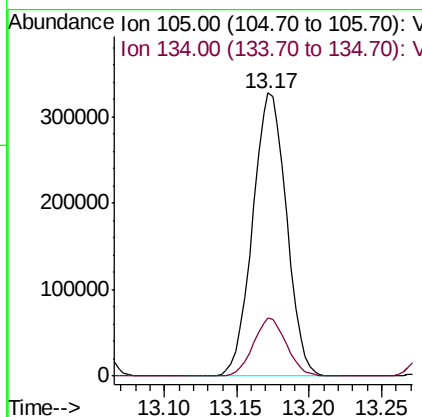
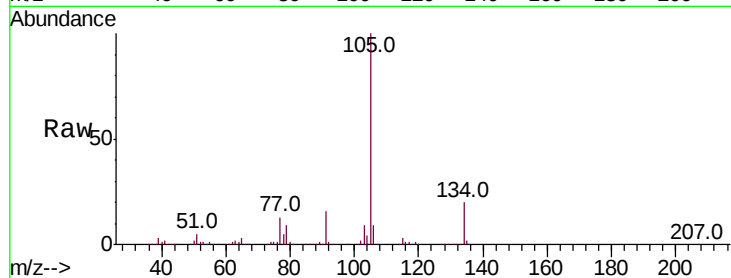
#85
 sec-Butylbenzene
 Concen: 19.652 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051696.D
 Acq: 5 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.5	31.6

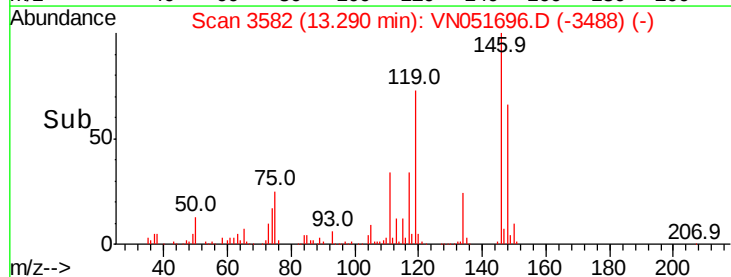
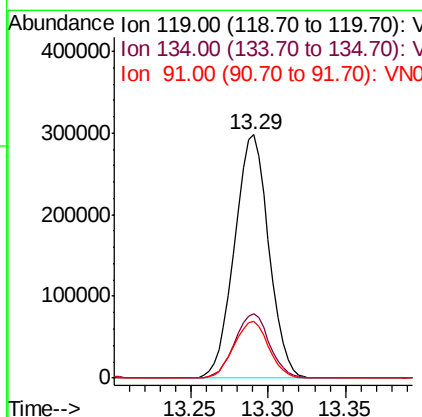
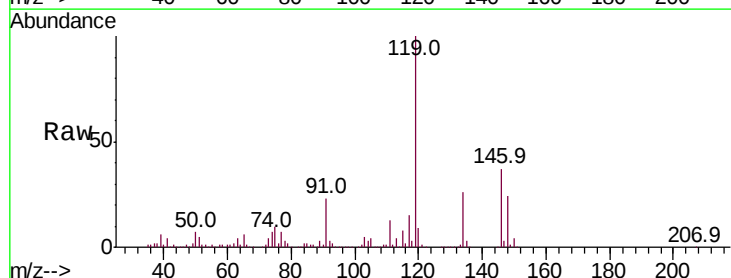
Manual Integrations
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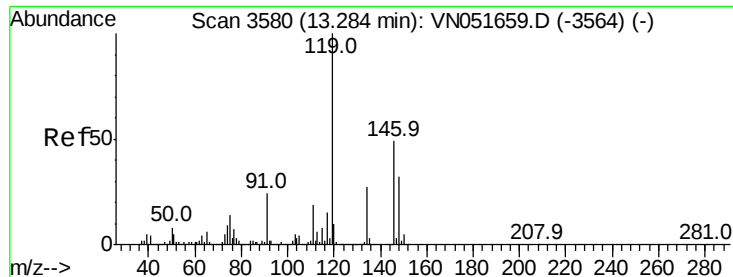
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 10/8/2018 12:50:05 PM



#86
 p-Isopropyltoluene
 Concen: 18.984 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051696.D
 Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.2
91	23.4	11.7	35.1





#87

1,3-Dichlorobenzene

Concen: 18.792 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN051696.D

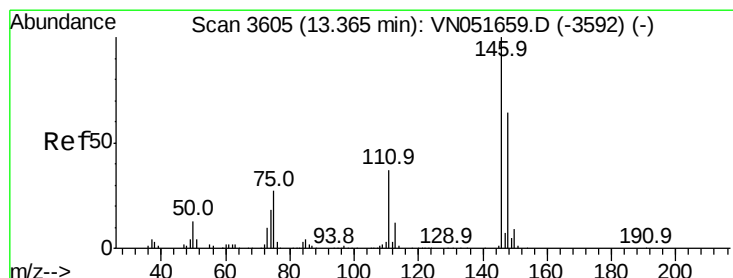
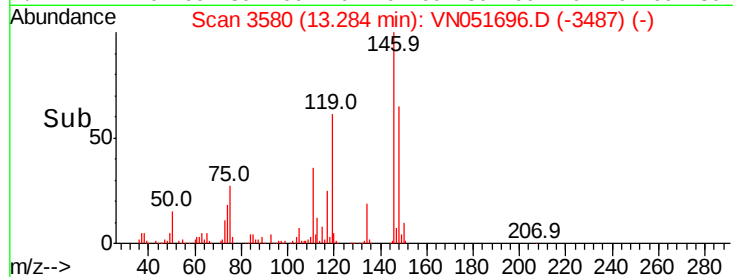
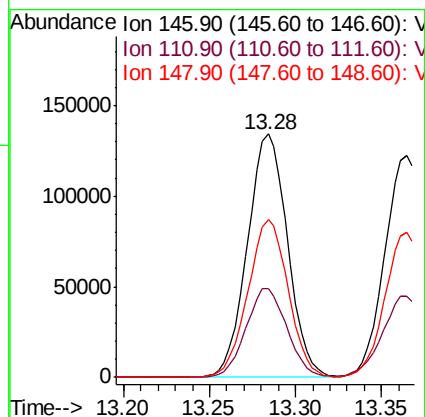
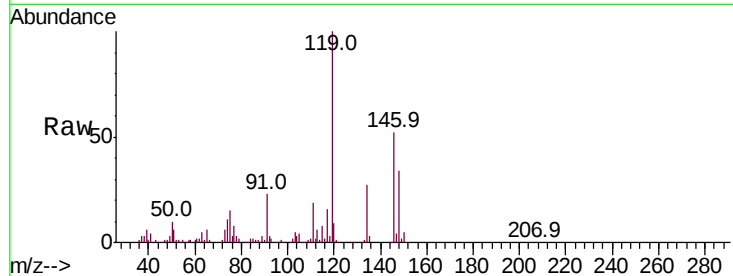
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampled :
VN1006MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.3	57.9
148	65.1	32.5	97.5

Manual Integrations
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10/8/2018 12:50:05 PM



#88

1,4-Dichlorobenzene

Concen: 17.983 ug/l

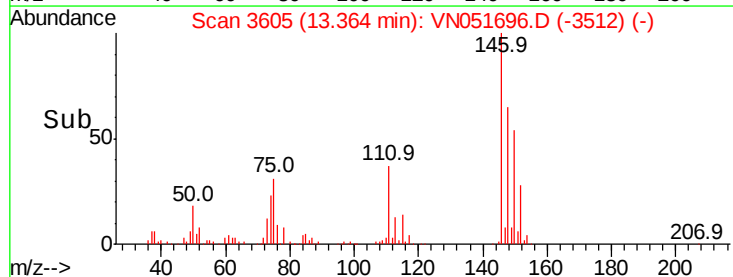
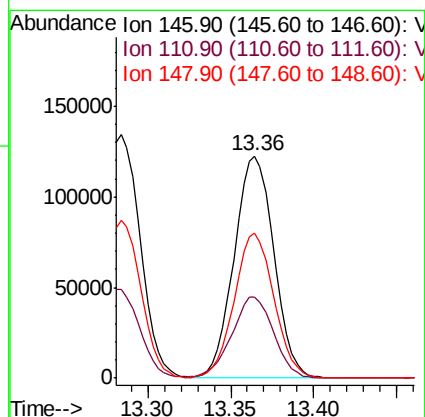
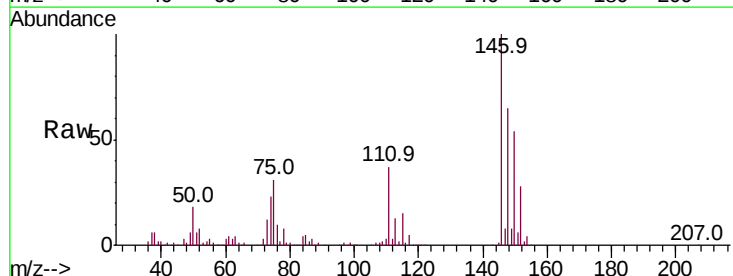
RT: 13.36 min Scan# 3605

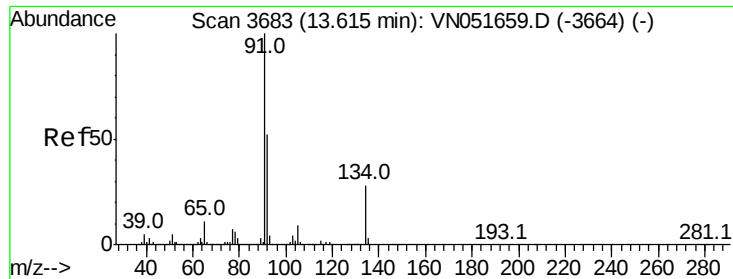
Delta R.T. -0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	55.8
148	65.0	32.3	96.8





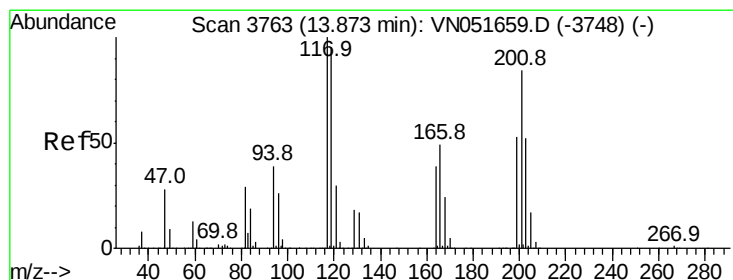
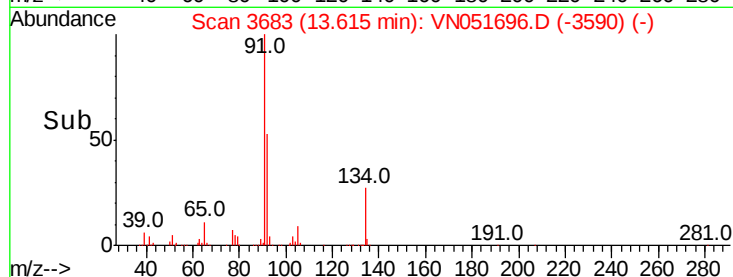
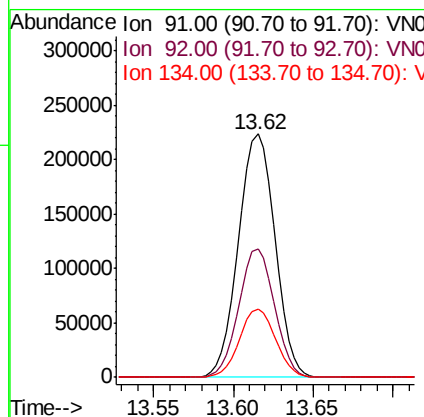
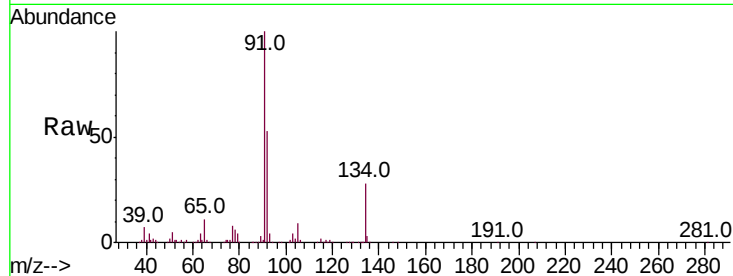
#89
n-Butylbenzene
Concen: 18.343 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.0	78.0
134	27.6	14.2	42.6

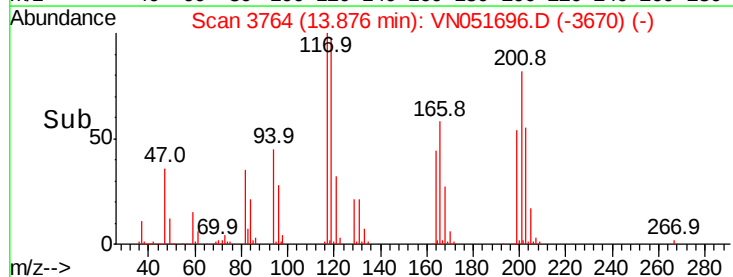
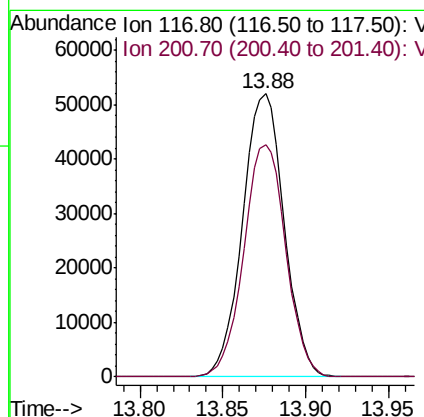
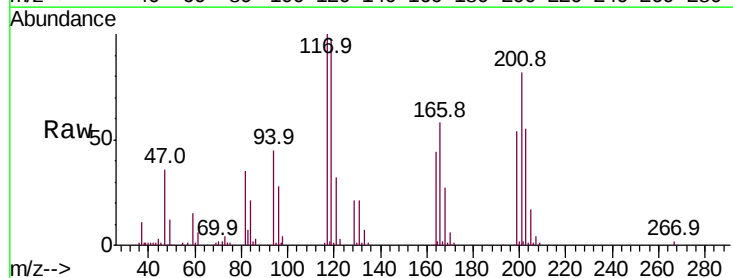
Manual Integrations
APPROVED

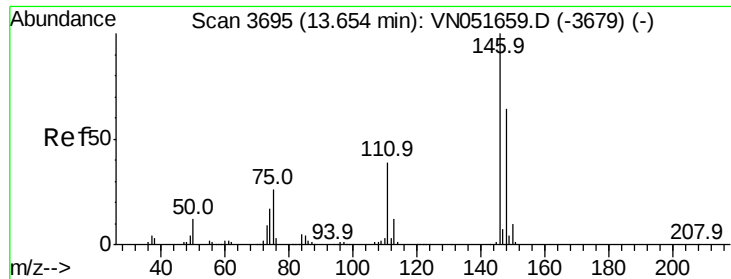
MMDadoda
10/8/2018 12:50:05 PM



#90
Hexachloroethane
Concen: 18.907 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.9	42.4	127.3





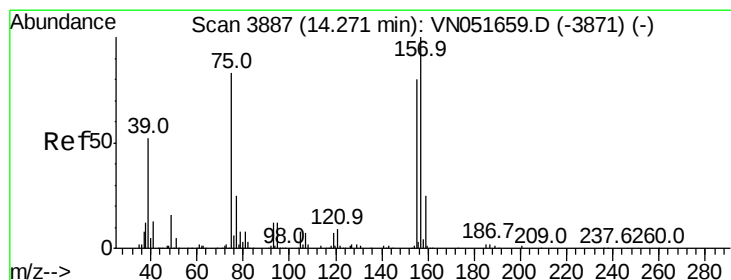
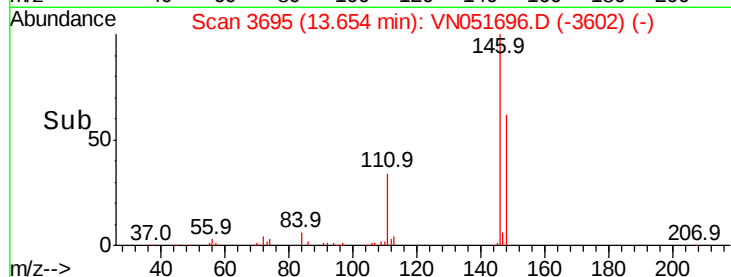
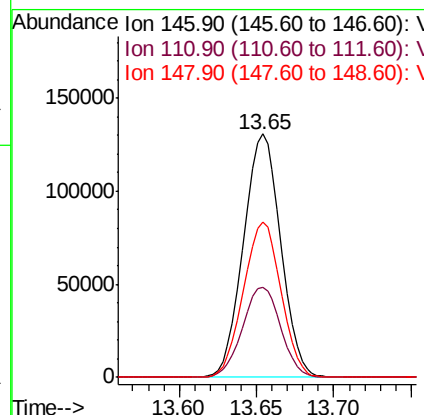
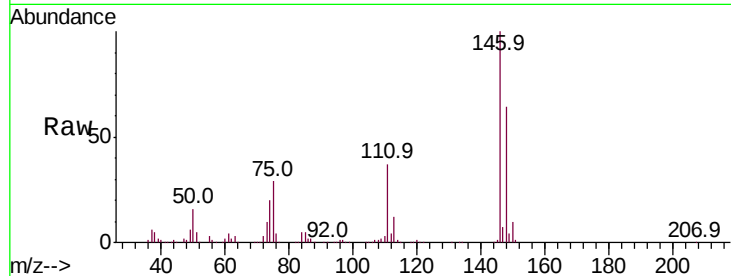
#91
1,2-Dichlorobenzene
Concen: 19.089 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampled :
VN1006MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.7	59.0
148	64.1	32.1	96.3

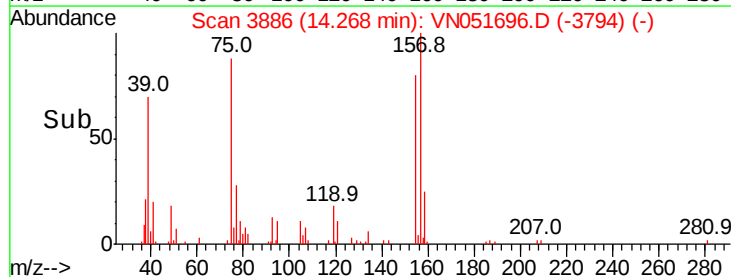
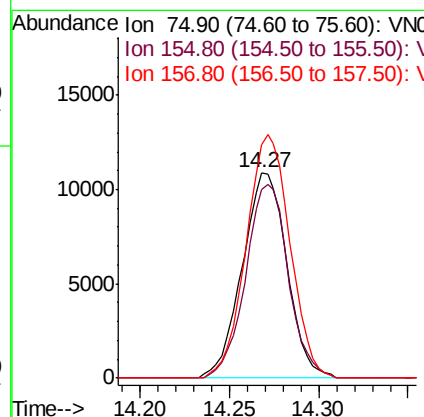
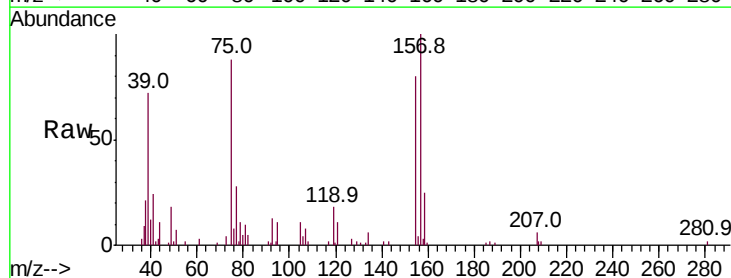
Manual Integrations
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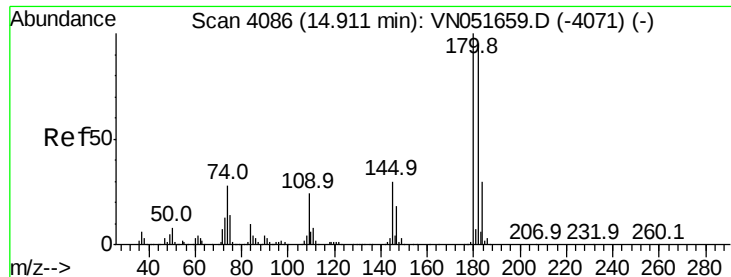
MMDadoda
10/8/2018 12:50:05 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.861 ug/l
RT: 14.27 min Scan# 3886
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.4	47.6	142.9
157	116.6	61.7	185.1





#93

1,2,4-Trichlorobenzene

Concen: 16.880 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Instrument :

MSVOA_N

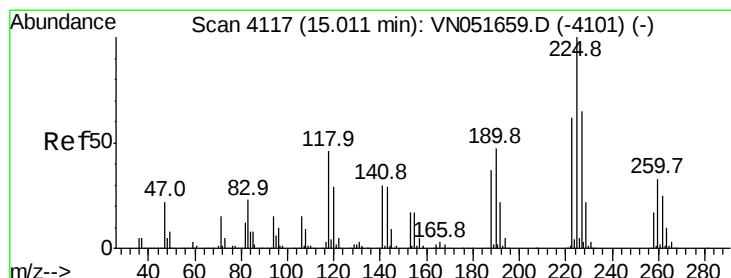
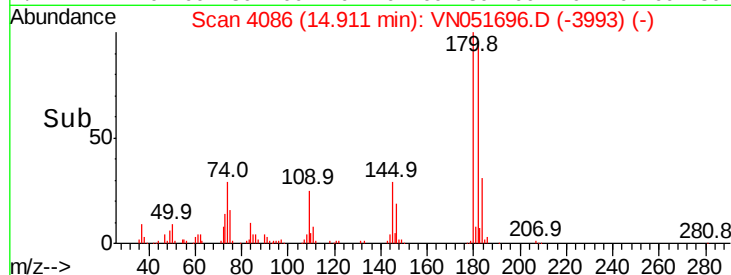
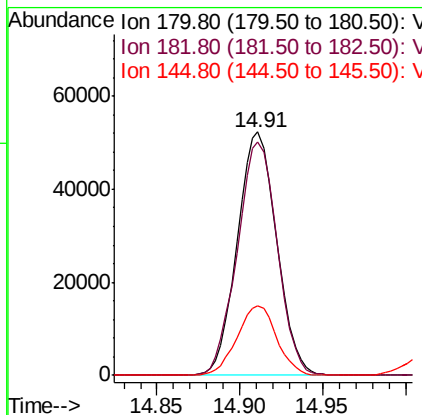
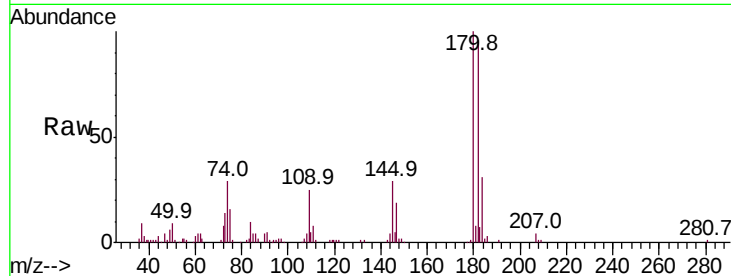
ClientSampleId :

VN1006MBSD01

Tot Ion:	180	Resp:	86411
Ion Ratio	Lower	Upper	
180	100		
182	97.1	47.7	143.1
145	28.8	15.3	45.9

Manual Integrations
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10/8/2018 12:50:05 PM



#94

Hexachlorobutadiene

Concen: 19.130 ug/l

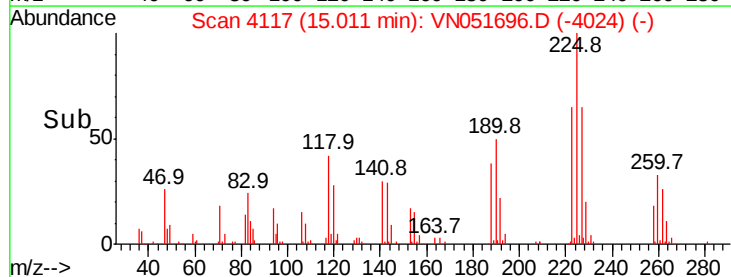
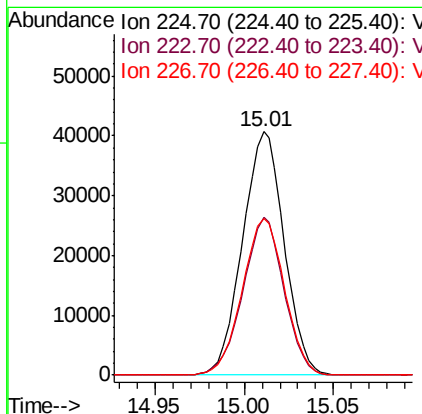
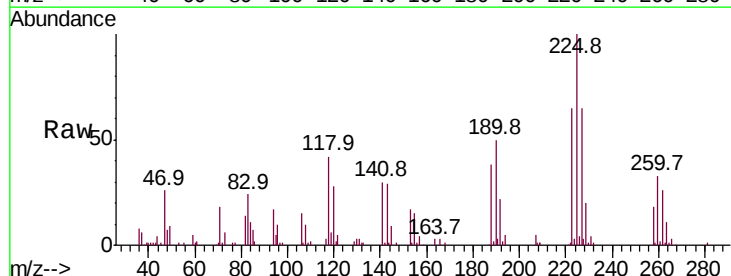
RT: 15.01 min Scan# 4117

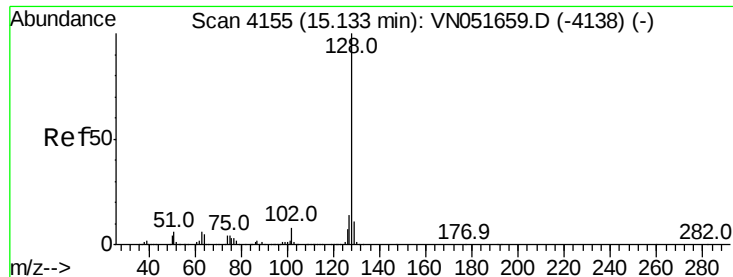
Delta R.T. -0.00 min

Lab File: VN051696.D

Acq: 5 Oct 2018 19:32

Tgt Ion:	225	Resp:	66441
Ion Ratio	Lower	Upper	
225	100		
223	63.7	31.9	95.5
227	65.2	31.7	95.1





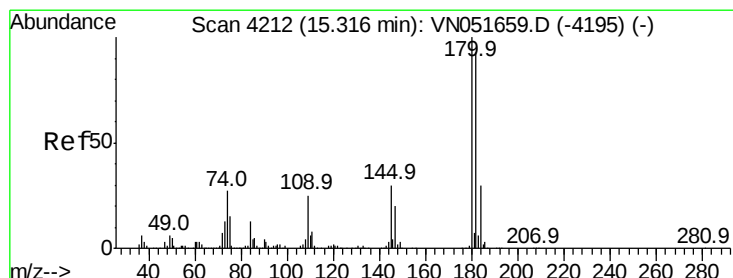
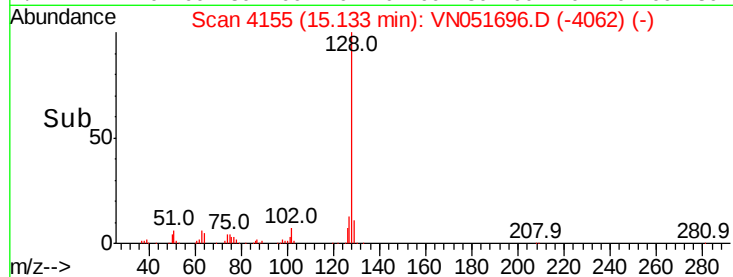
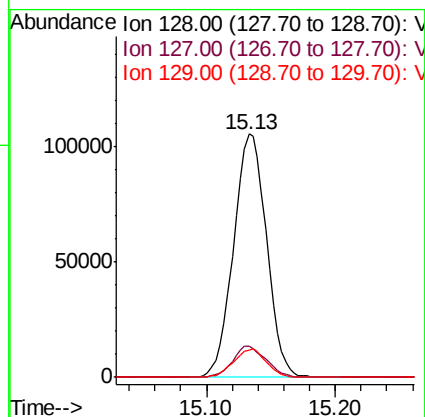
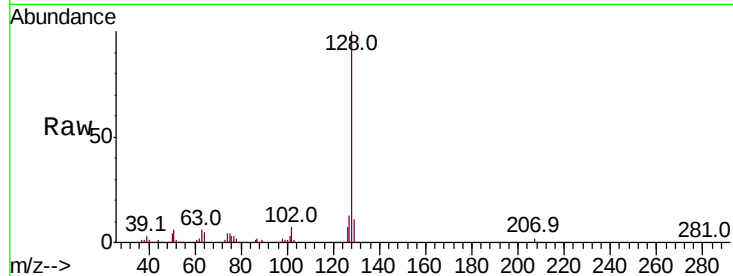
#95
Naphthalene
Concen: 16.971 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1006MBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	11.5	9.0	13.6

Manual Integrations
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10/8/2018 12:50:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.991 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN051696.D
Acq: 5 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.3	141.8
145	29.9	15.6	46.8

