

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120718\
 Data File : VN052739.D
 Acq On : 7 Dec 2018 20:44
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/10/2018 12:51:34 PM

Quant Time: Dec 07 23:54:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	949195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1479331	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1333253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	642813	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	505913	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
35) Dibromofluoromethane	7.59	113	339210	37.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.38%	
50) Toluene-d8	10.09	98	1771375	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
62) 4-Bromofluorobenzene	12.40	95	625202	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	367958	41.401	ug/l	99
3) Chloromethane	2.06	50	471380	40.180	ug/l	99
4) Vinyl Chloride	2.19	62	504122	41.831	ug/l	99
5) Bromomethane	2.57	94	201374	26.781	ug/l	98
6) Chloroethane	2.71	64	316422	43.346	ug/l	100
7) Trichlorofluoromethane	3.02	101	673274	45.481	ug/l	100
8) Diethyl Ether	3.41	74	271164	49.603	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	427709	46.303	ug/l	98
10) Methyl Iodide	3.96	142	429759	34.932	ug/l	99
11) Tert butyl alcohol	4.78	59	140559	271.665	ug/l	97
12) 1,1-Dichloroethene	3.74	96	405596	45.616	ug/l	96
13) Acrolein	3.61	56	32697	36.361	ug/l	98
14) Allyl chloride	4.33	41	668617	43.631	ug/l	95
15) Acrylonitrile	4.99	53	836315	255.348	ug/l	99
16) Acetone	3.82	43	589918	216.407	ug/l	99
17) Carbon Disulfide	4.06	76	1083592	38.726	ug/l	99
18) Methyl Acetate	4.32	43	434680	55.591	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1258112	53.181	ug/l	100
20) Methylene Chloride	4.55	84	490151	45.948	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	437113	46.030	ug/l	96
22) Diisopropyl ether	5.95	45	1570215	48.780	ug/l	99
23) Vinyl Acetate	5.90	43	4231231	211.041	ug/l	99
24) 1,1-Dichloroethane	5.85	63	883011	48.044	ug/l	99
25) 2-Butanone	6.83	43	944546	244.463	ug/l	97
26) 2,2-Dichloropropane	6.82	77	619704	48.714	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	536334	48.485	ug/l	97
28) Bromochloromethane	7.19	49	422272	50.303	ug/l	96
29) Tetrahydrofuran	7.21	42	625400	250.952	ug/l	98
30) Chloroform	7.37	83	867928	47.333	ug/l	99
31) Cyclohexane	7.66	56	769939	43.232	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	716016	49.284	ug/l	99
36) 1,1-Dichloropropene	7.79	75	648983	46.456	ug/l	99
37) Ethyl Acetate	6.93	43	425598	49.920	ug/l	99
38) Carbon Tetrachloride	7.78	117	602103	47.611	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	754880	44.458	ug/l	98
40) Benzene	8.04	78	1983449	47.642	ug/l	100
41) Methacrylonitrile	7.18	41	248528	53.320	ug/l	97
42) 1,2-Dichloroethane	8.13	62	620567	49.229	ug/l	99
43) Isopropyl Acetate	8.16	43	796049	55.174	ug/l	98
44) Trichloroethene	8.84	130	543357	50.952	ug/l	99
45) 1,2-Dichloropropane	9.12	63	544060	49.154	ug/l	99
46) Dibromomethane	9.21	93	310841	50.730	ug/l	98
47) Bromodichloromethane	9.40	83	656121	49.251	ug/l	98
48) Methyl methacrylate	9.20	41	394466	52.434	ug/l	98
49) 1,4-Dioxane	9.20	88	71289	913.057	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2177718	269.017	ug/l	99
52) Toluene	10.16	92	1226667	49.591	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	674967	52.666	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	780176	50.798	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	454357	52.220	ug/l	99
56) Ethyl methacrylate	10.43	69	613995	50.775	ug/l	97
57) 1,3-Dichloropropane	10.71	76	774904	50.439	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1741830	275.887	ug/l	99
59) 2-Hexanone	10.75	43	1477827	272.008	ug/l	99
60) Dibromochloromethane	10.90	129	487781	51.617	ug/l	100
61) 1,2-Dibromoethane	11.01	107	447845	51.823	ug/l	100
64) Tetrachloroethene	10.63	164	599375	57.983	ug/l	98
65) Chlorobenzene	11.43	112	1369028	49.798	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	485642	50.805	ug/l	99
67) Ethyl Benzene	11.51	91	2386288	49.567	ug/l	100
68) m/p-Xylenes	11.62	106	1776512	99.123	ug/l	100
69) o-Xylene	11.95	106	875291	50.292	ug/l	100
70) Styrene	11.96	104	1458501	52.615	ug/l	99
71) Bromoform	12.13	173	326231	51.544	ug/l #	100
73) Isopropylbenzene	12.25	105	2345436	46.506	ug/l	99
74) N-amyl acetate	12.07	43	716509	56.235	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	525419	45.799	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	468542m	47.268	ug/l	
77) Bromobenzene	12.53	156	602502	48.333	ug/l	98
78) n-propylbenzene	12.59	91	2704103	47.197	ug/l	99
79) 2-Chlorotoluene	12.68	91	1586993	46.514	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1912769	47.555	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	148540	50.043	ug/l	97
82) 4-Chlorotoluene	12.77	91	1636041	47.579	ug/l	99
83) tert-Butylbenzene	12.99	119	1696656	47.316	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1929452	47.866	ug/l	99
85) sec-Butylbenzene	13.17	105	2310291	47.303	ug/l	99
86) p-Isopropyltoluene	13.29	119	2014777	48.434	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1077471	49.414	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1058785	49.296	ug/l	99
89) n-Butylbenzene	13.62	91	1731223	50.042	ug/l	99
90) Hexachloroethane	13.88	117	312720	44.398	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1047316	50.273	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	87080	53.072	ug/l	96

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VSTDCCC050EC

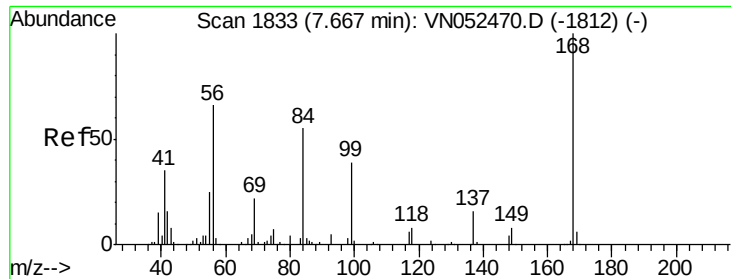
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	633860	55.229	ug/l	100
94) Hexachlorobutadiene	15.01	225	321673	47.997	ug/l	99
95) Naphthalene	15.13	128	1419628	58.065	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	581580	55.131	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052739.D

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Instrument :

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ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 949195

Ion Ratio Lower Upper

168 100

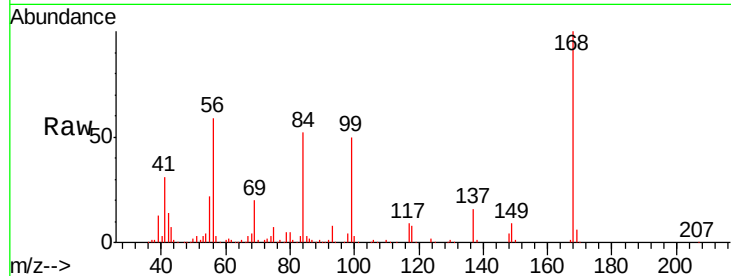
99 49.4 41.7 62.5

Manual Integrations

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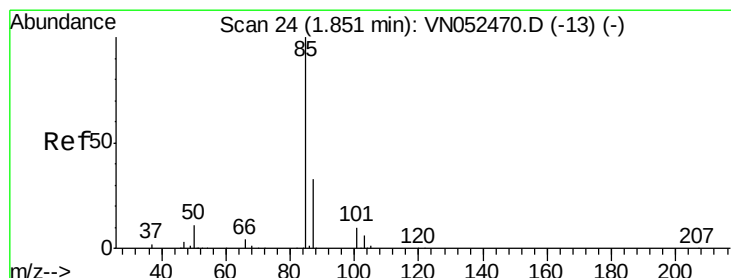
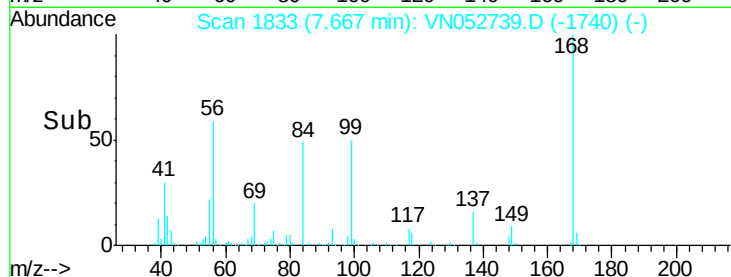
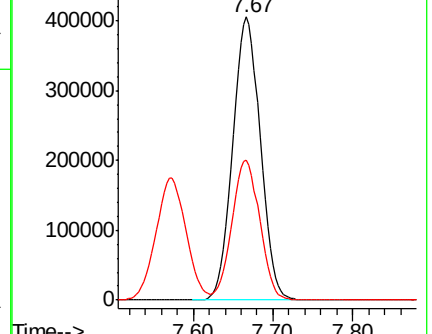
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12/10/2018 12:51:34 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 41.401 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052739.D

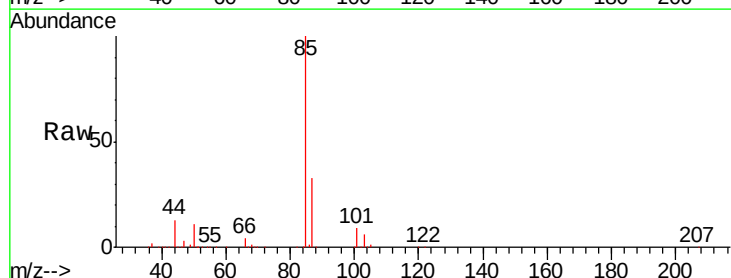
Acq: 7 Dec 2018 20:44

Tgt Ion: 85 Resp: 367958

Ion Ratio Lower Upper

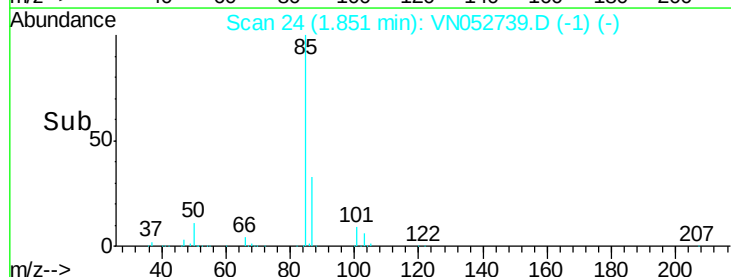
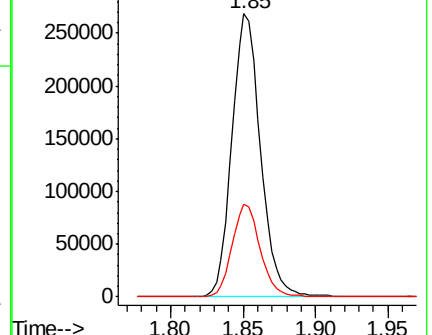
85 100

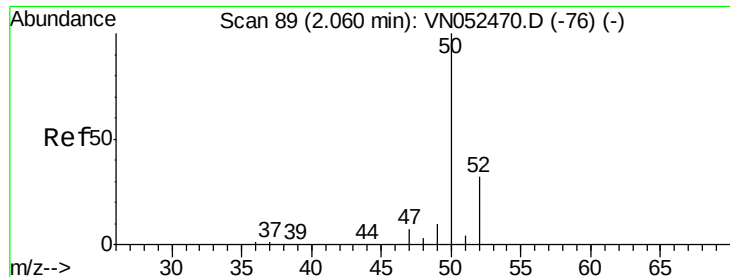
87 32.7 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 40.180 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 471380

Ion Ratio Lower Upper

50 100

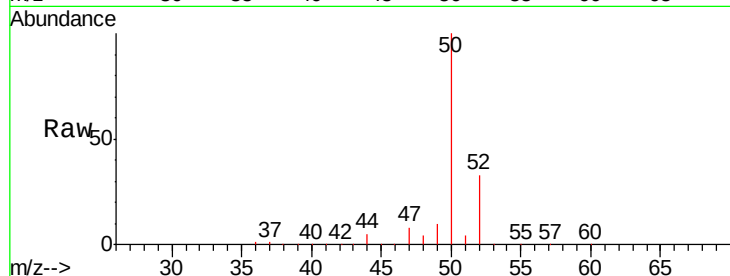
52 33.2 25.9 38.9

Manual Integrations

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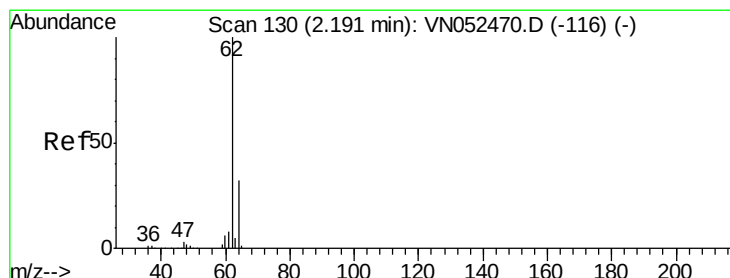
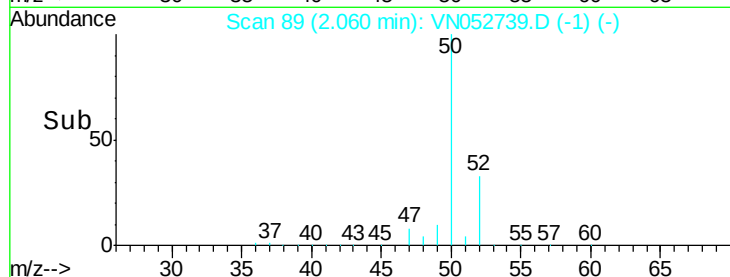
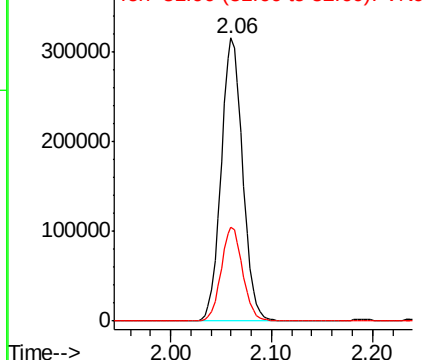
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 41.831 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052739.D

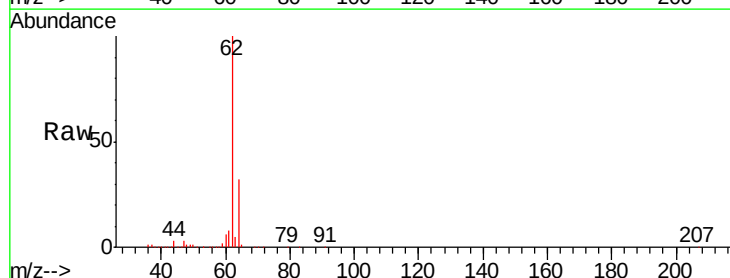
Acq: 7 Dec 2018 20:44

Tgt Ion: 62 Resp: 504122

Ion Ratio Lower Upper

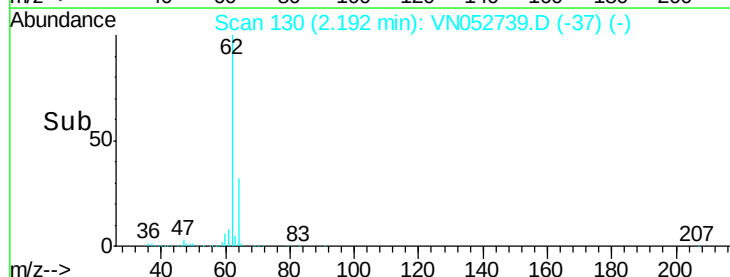
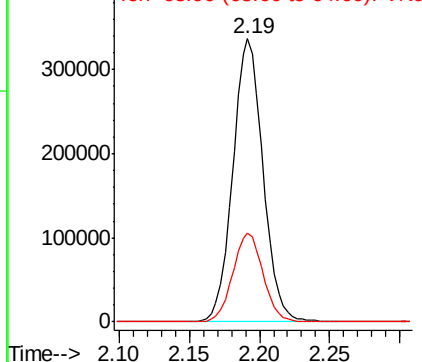
62 100

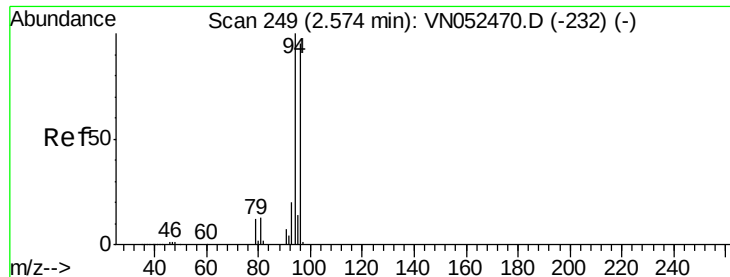
64 31.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 26.781 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 201374

Ion Ratio Lower Upper

94 100

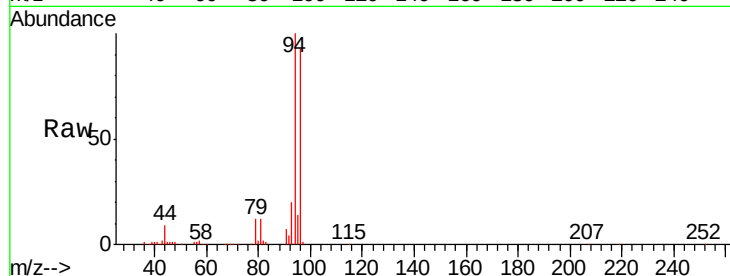
96 92.6 75.8 113.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

120000

100000

80000

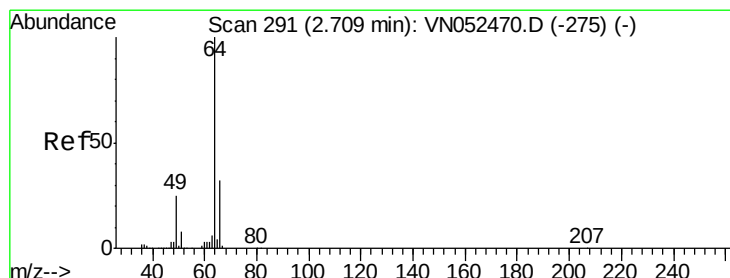
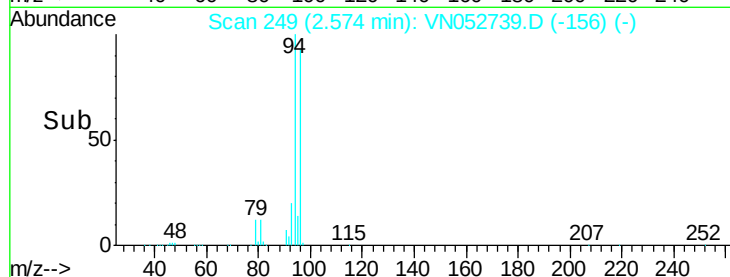
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 43.346 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052739.D

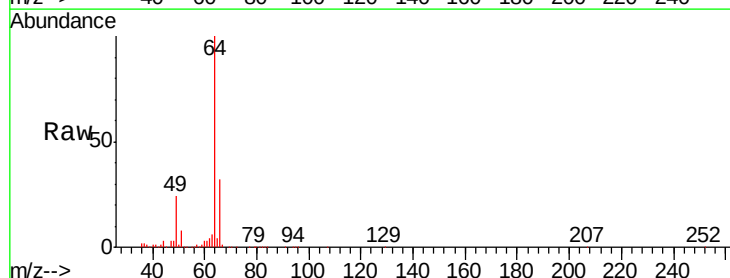
Acq: 7 Dec 2018 20:44

Tgt Ion: 64 Resp: 316422

Ion Ratio Lower Upper

64 100

66 32.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

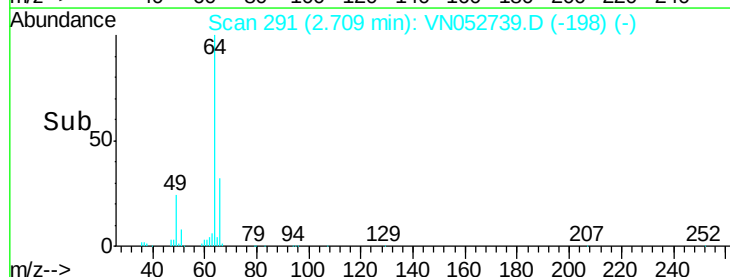
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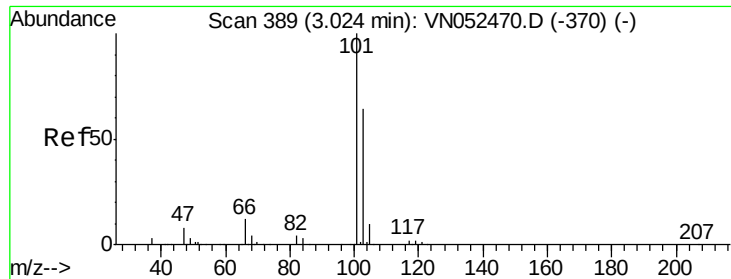
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50000

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Time-->





#7

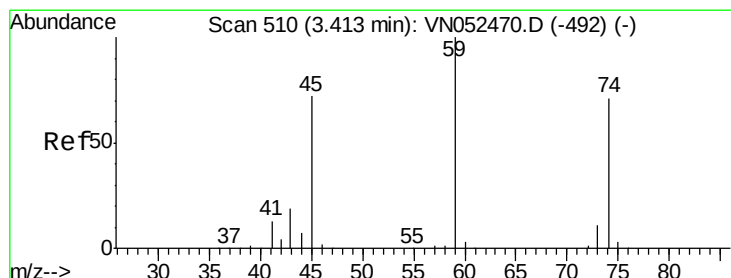
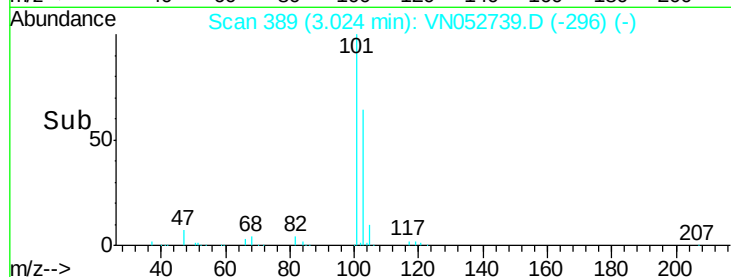
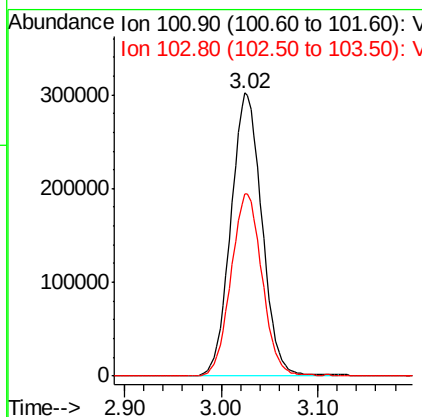
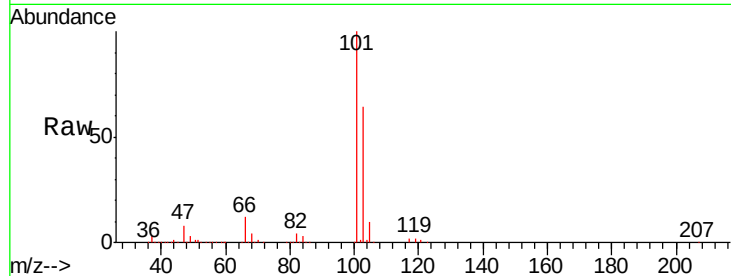
Trichlorofluoromethane
Concen: 45.481 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

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VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.4	77.2

Manual Integrations
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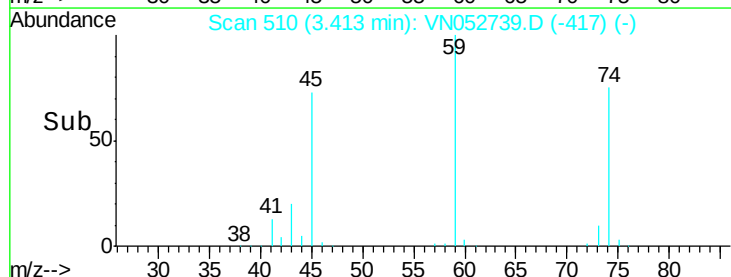
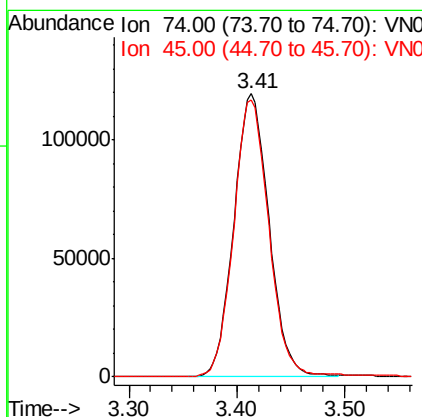
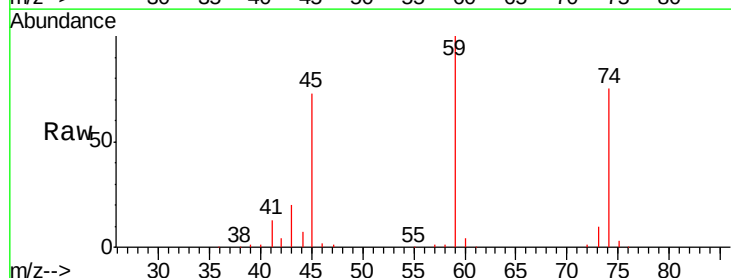
MMDadoda
12/10/2018 12:51:34 PM

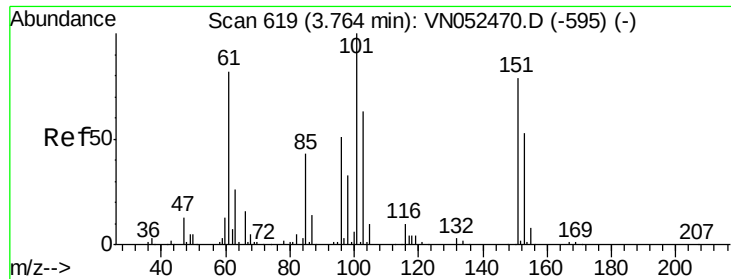


#8

Diethyl Ether
Concen: 49.603 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.303 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Instrument :

MSVOA_N

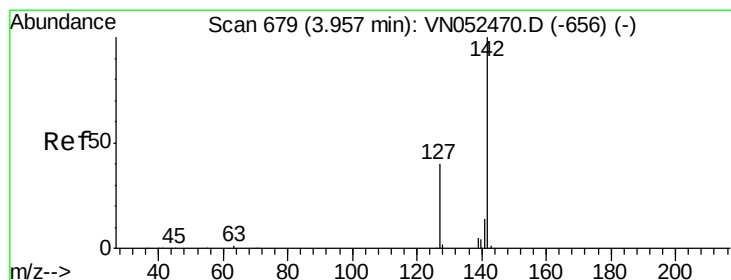
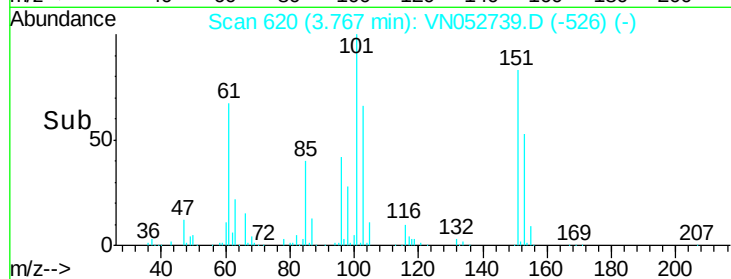
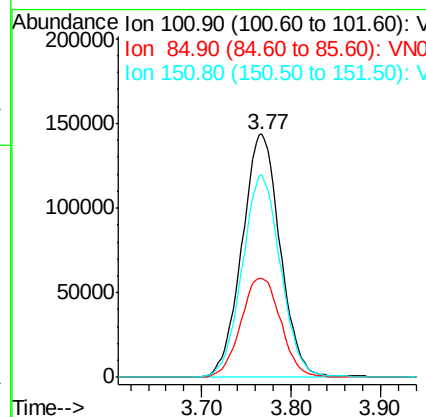
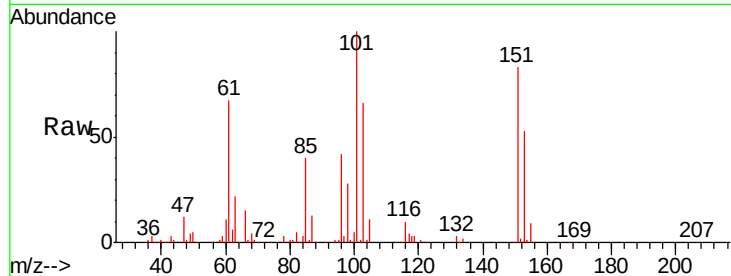
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	427709
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.4
151	83.6	64.6	96.8

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#10

Methyl Iodide

Concen: 34.932 ug/l

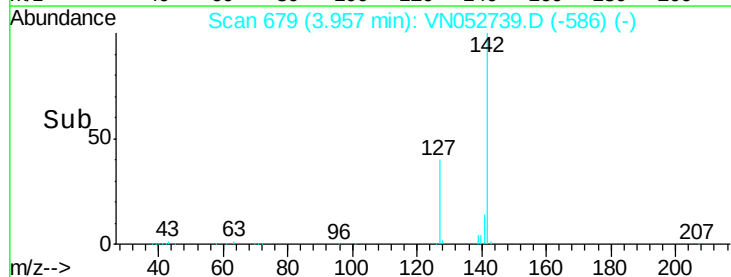
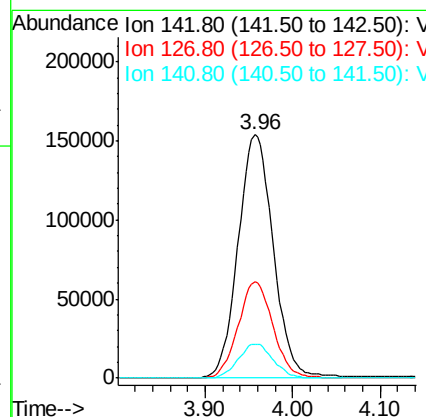
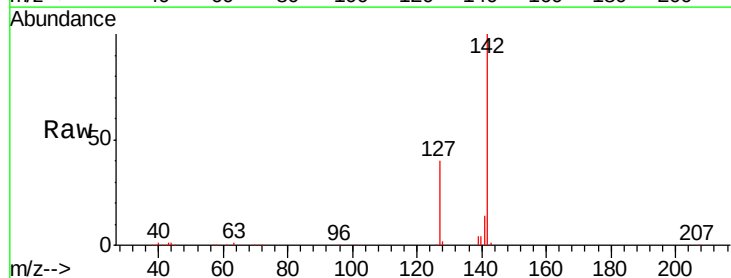
RT: 3.96 min Scan# 679

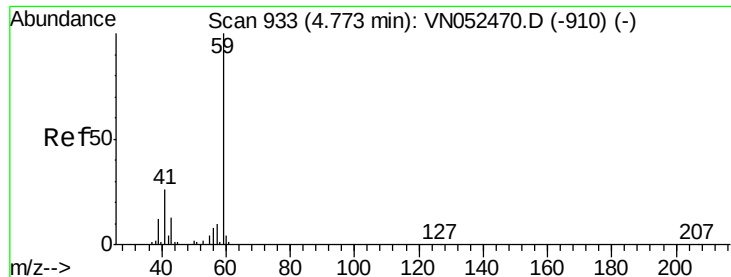
Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Tgt Ion:	142	Resp:	429759
Ion Ratio	Lower	Upper	
142	100		
127	39.2	31.8	47.6
141	13.8	11.4	17.0





#11

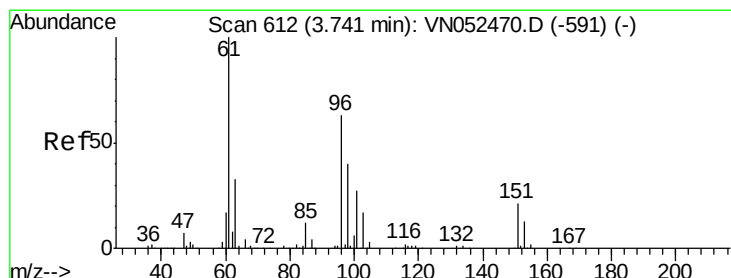
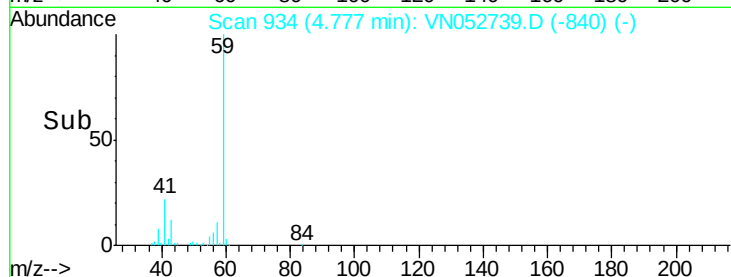
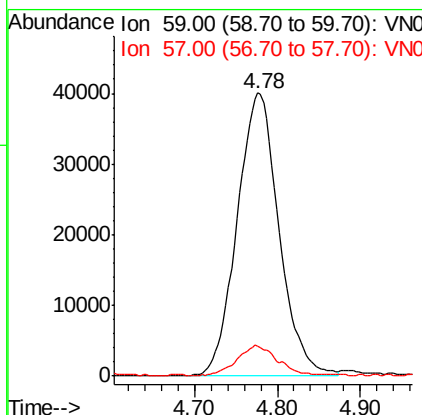
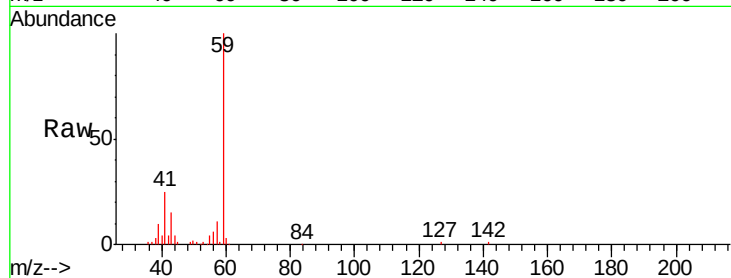
Tert butyl alcohol
Concen: 271.665 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.9	11.9

Manual Integrations
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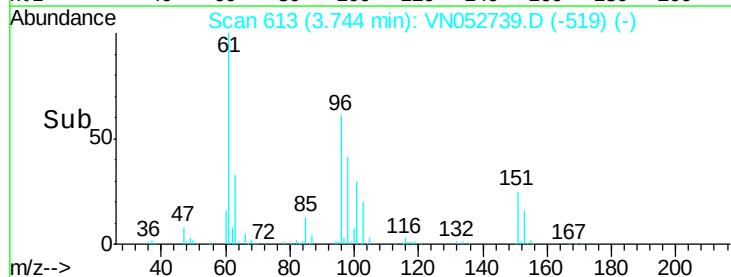
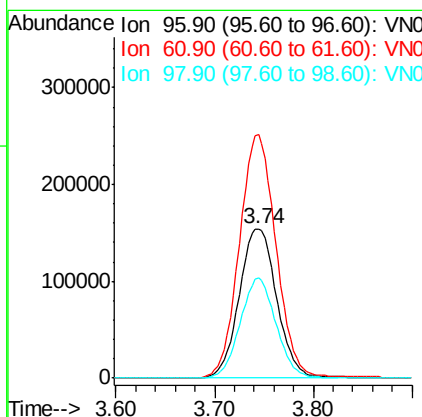
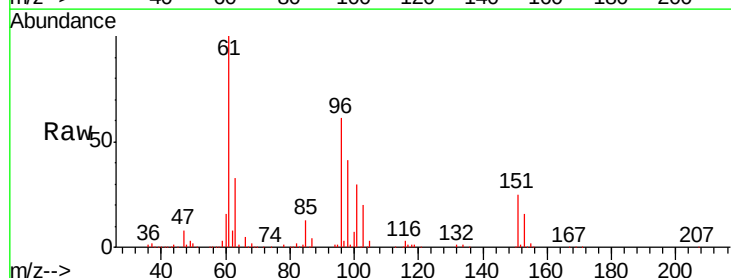
MMDadoda
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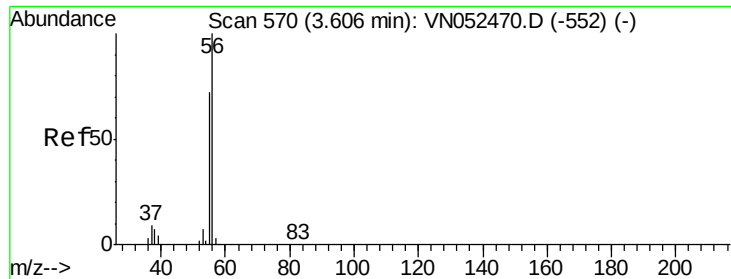


#12

1,1-Dichloroethene
Concen: 45.616 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.1	127.0	190.6
98	67.0	50.3	75.5





#13

Acrolein

Concen: 36.361 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 32697

Ion Ratio Lower Upper

56 100

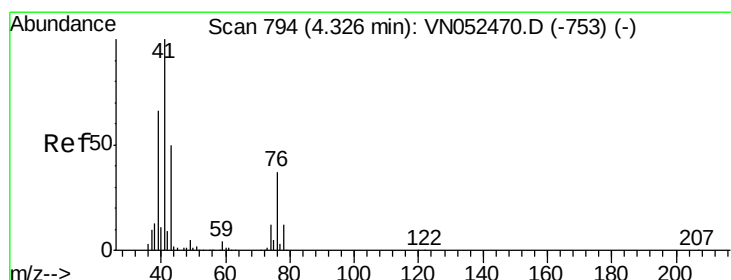
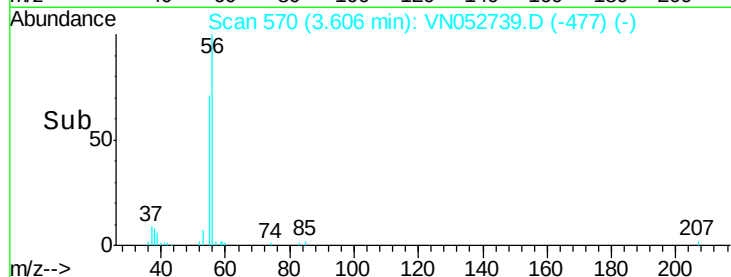
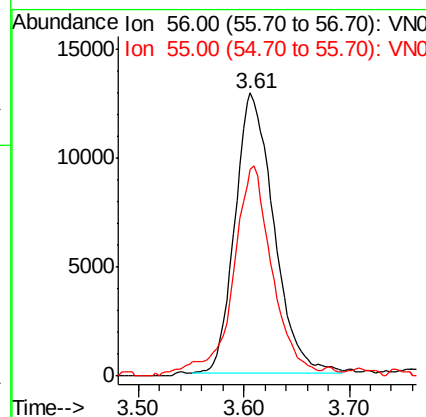
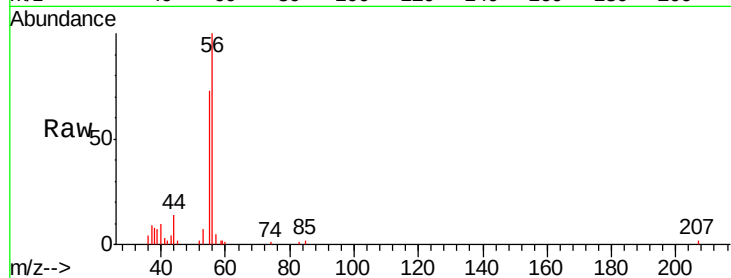
55 69.3 56.8 85.2

Manual Integrations

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#14

Allyl chloride

Concen: 43.631 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

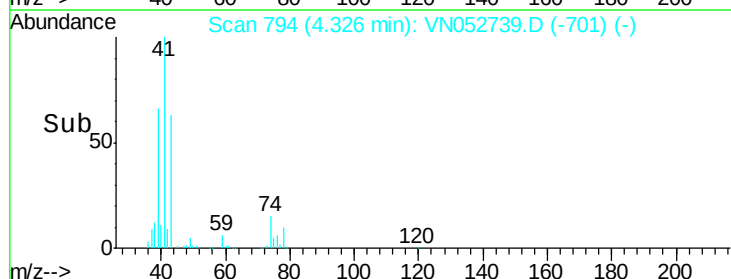
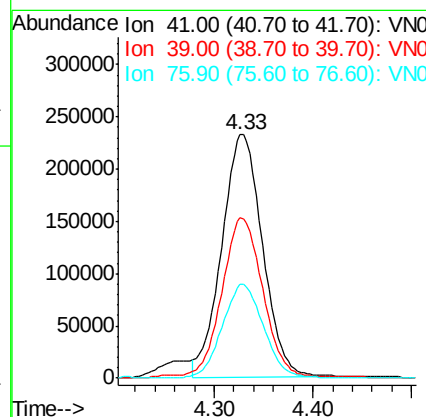
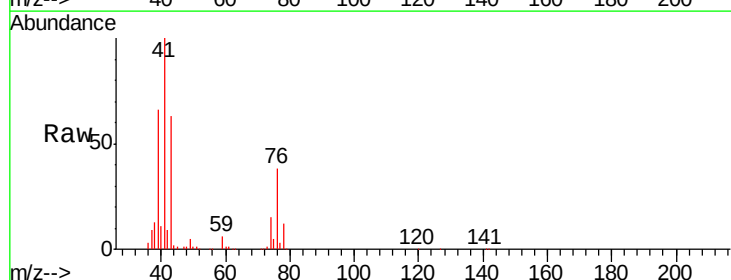
Tgt Ion: 41 Resp: 668617

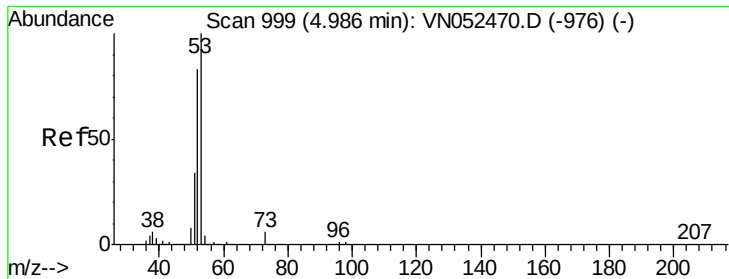
Ion Ratio Lower Upper

41 100

39 65.7 50.6 76.0

76 38.6 27.4 41.2





#15

Acrylonitrile

Concen: 255.348 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Instrument :

MSVOA_N

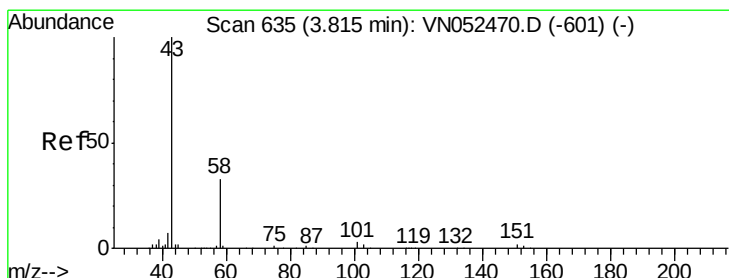
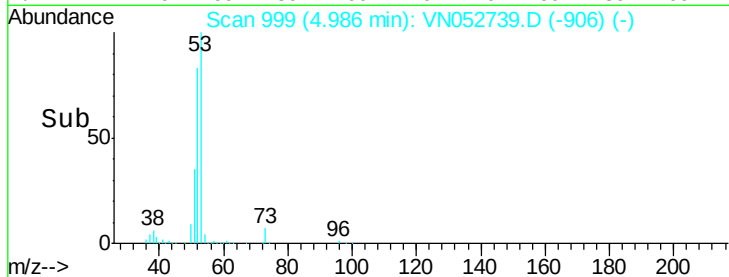
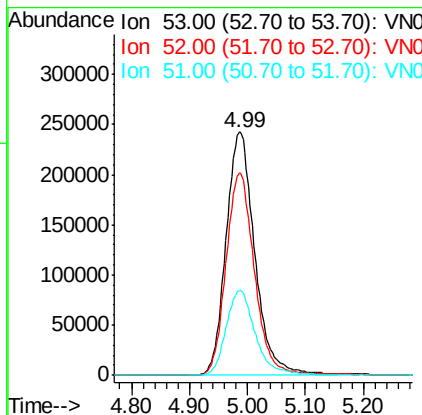
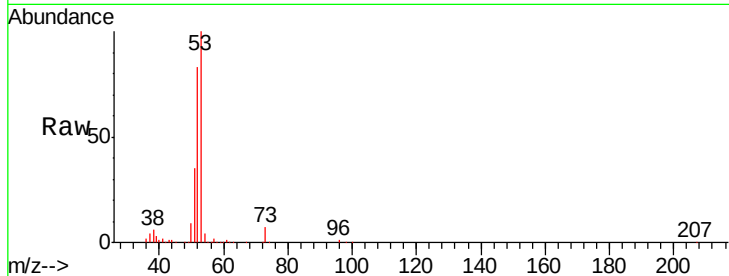
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	836315
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.2	99.2
51	35.5	28.1	42.1

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#16

Acetone

Concen: 216.407 ug/l

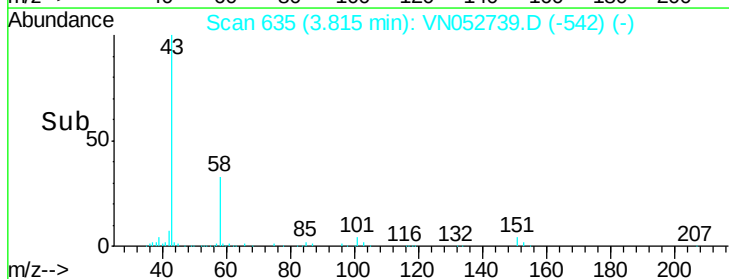
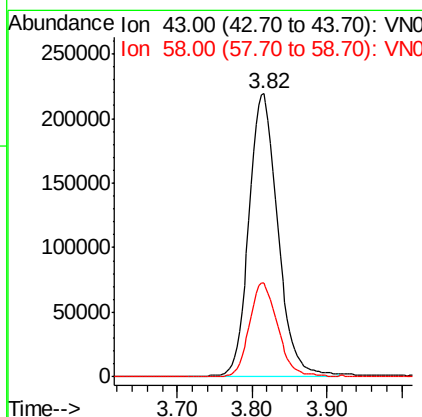
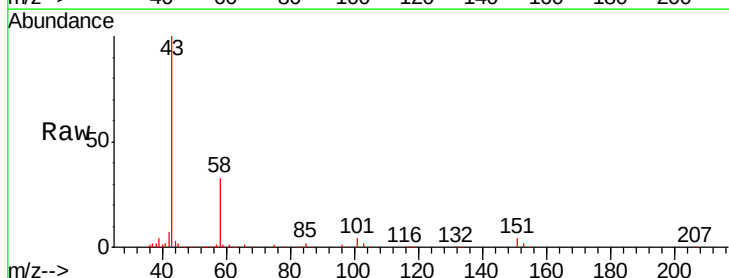
RT: 3.82 min Scan# 635

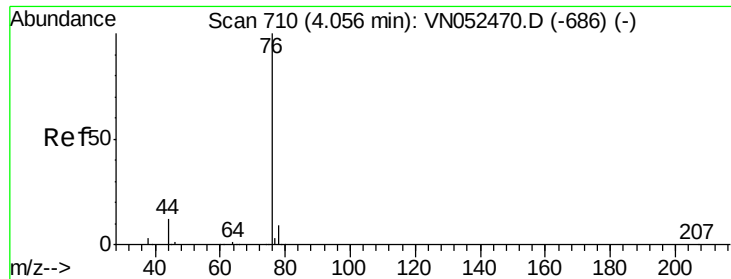
Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Tgt Ion:	43	Resp:	589918
Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.0	39.0





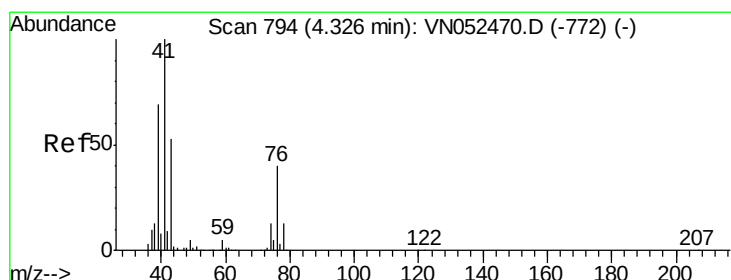
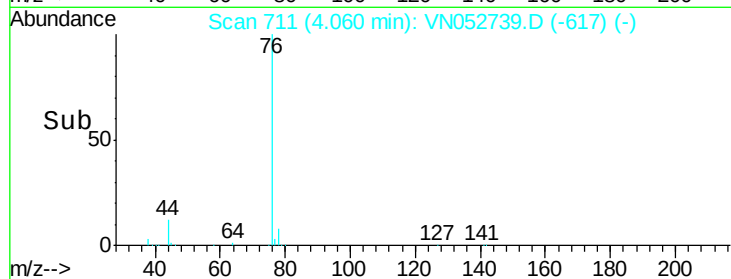
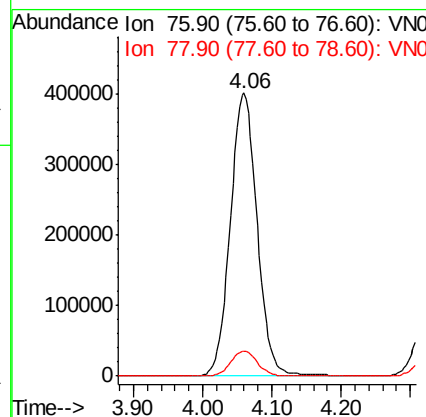
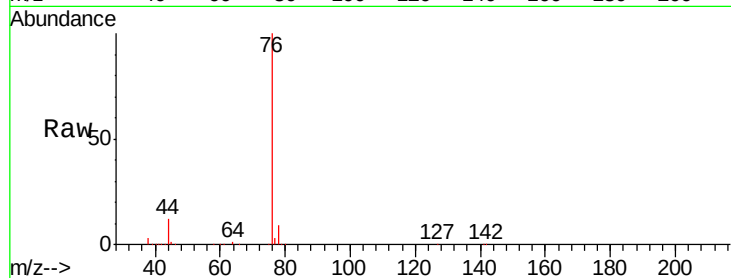
#17
Carbon Disulfide
Concen: 38.726 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 1083592
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

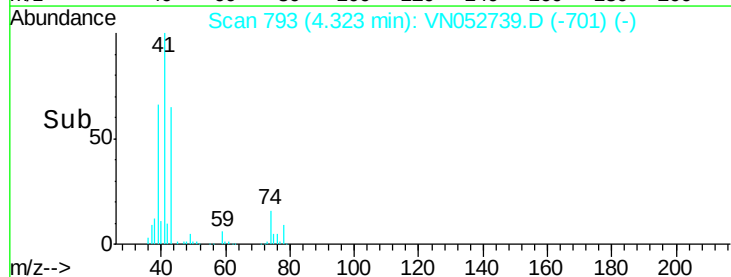
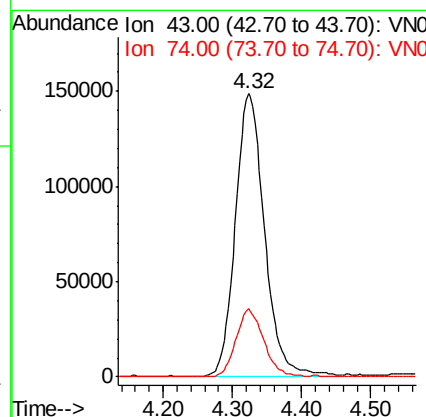
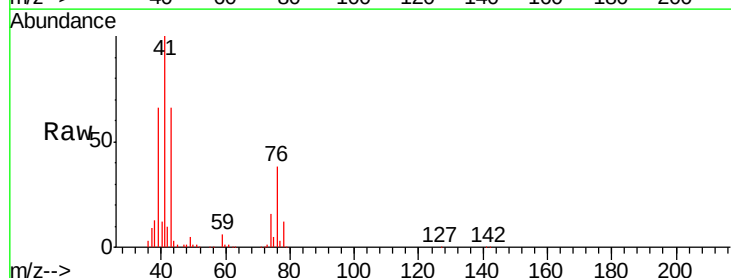
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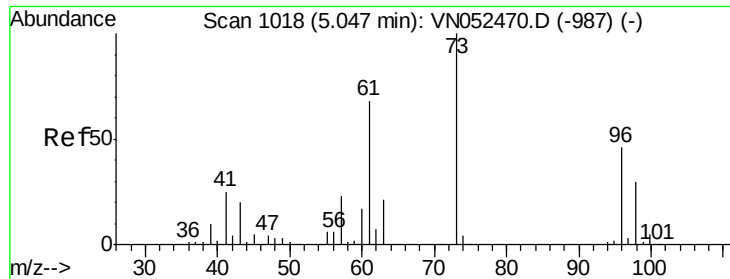
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#18
Methyl Acetate
Concen: 55.591 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Tgt Ion: 43 Resp: 434680
Ion Ratio Lower Upper
43 100
74 23.0 18.6 27.8





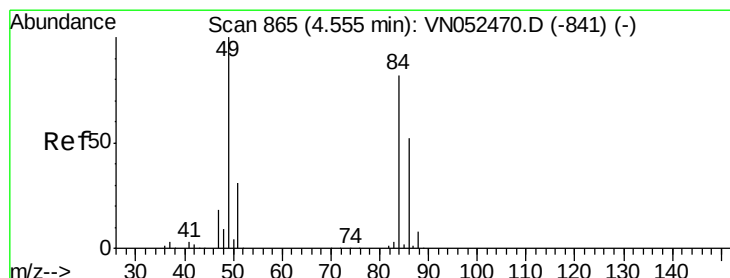
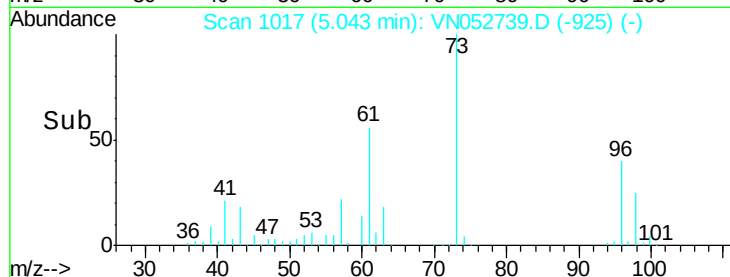
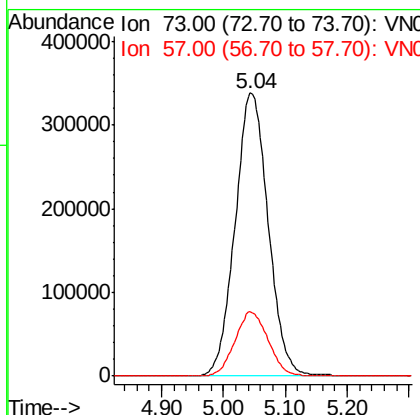
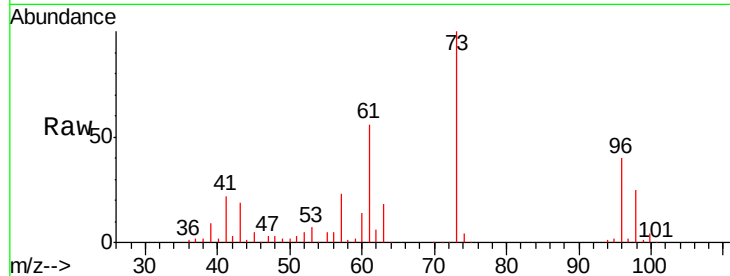
#19
Methyl tert-butyl Ether
Concen: 53.181 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 1258112
Ion Ratio Lower Upper
73 100
57 22.7 18.2 27.2

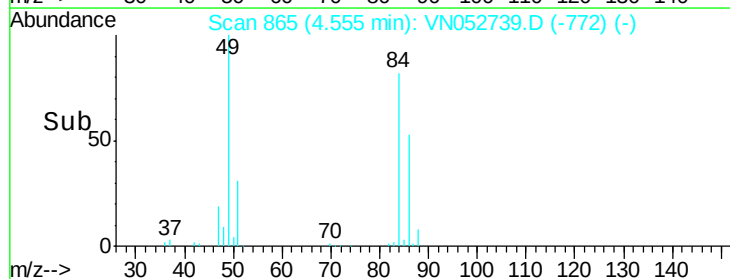
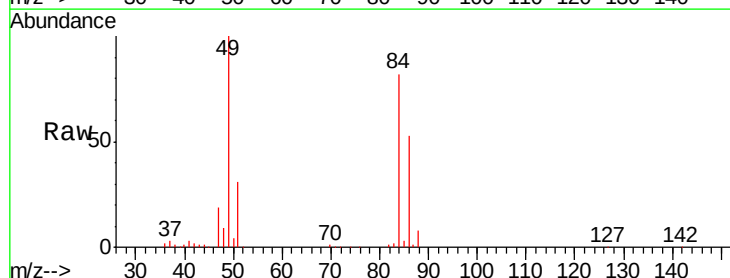
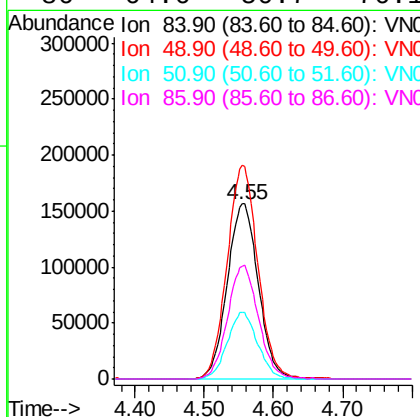
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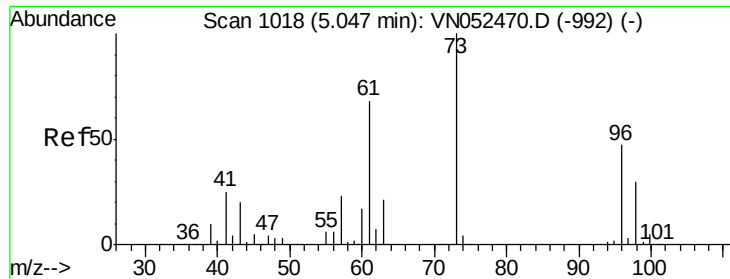
MMDadoda
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#20
Methylene Chloride
Concen: 45.948 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Tgt Ion: 84 Resp: 490151
Ion Ratio Lower Upper
84 100
49 121.8 98.0 147.0
51 38.3 30.1 45.1
86 64.6 50.7 76.1





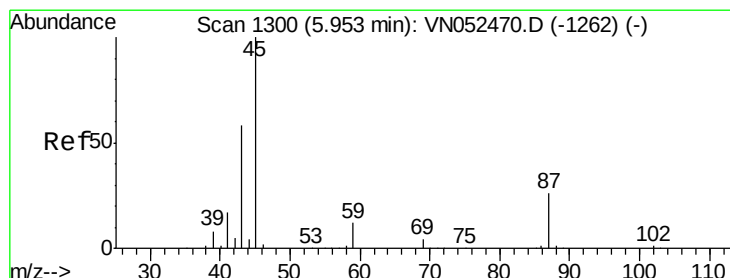
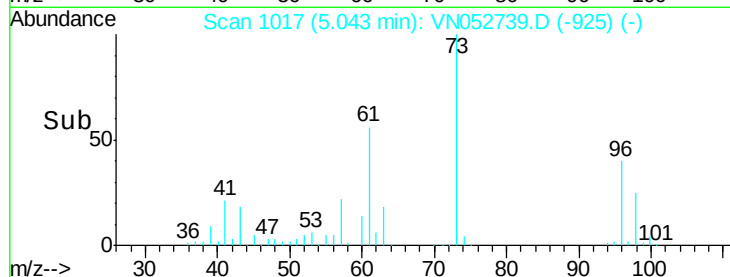
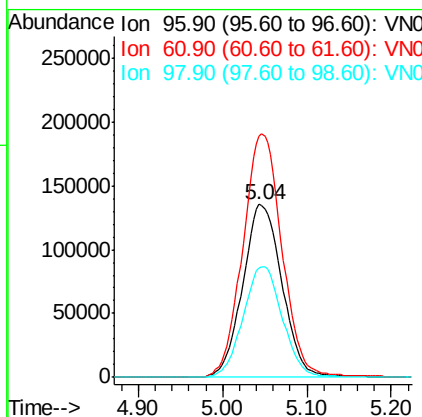
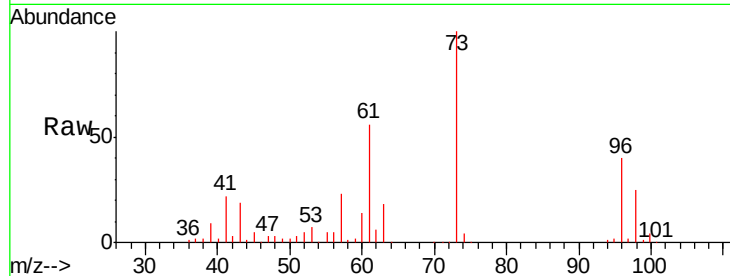
#21
trans-1,2-Dichloroethene
Concen: 46.030 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 437113
Ion Ratio Lower Upper
96 100
61 139.6 117.0 175.4
98 63.4 51.8 77.6

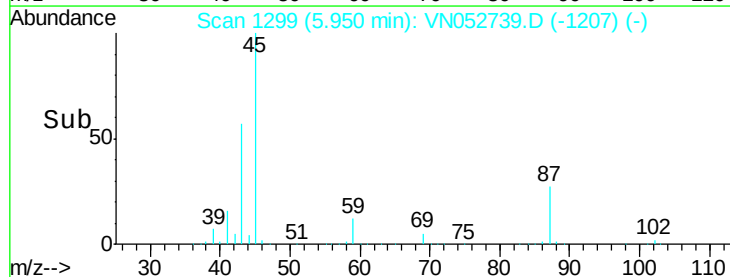
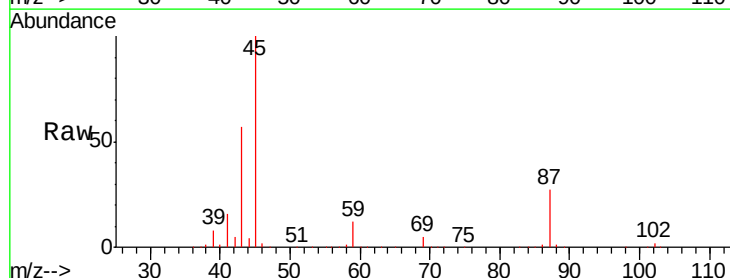
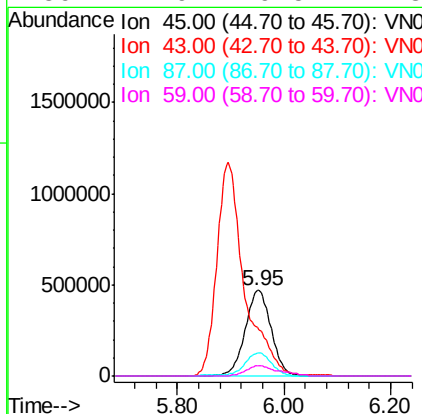
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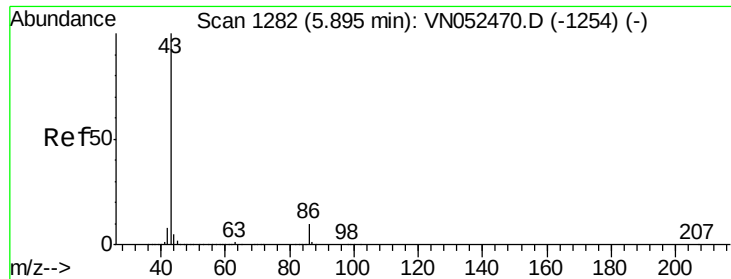
MMDadoda
12/10/2018 12:51:34 PM



#22
Diisopropyl ether
Concen: 48.780 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Tgt Ion: 45 Resp: 1570215
Ion Ratio Lower Upper
45 100
43 56.7 46.1 69.1
87 27.1 21.3 31.9
59 11.9 9.5 14.3





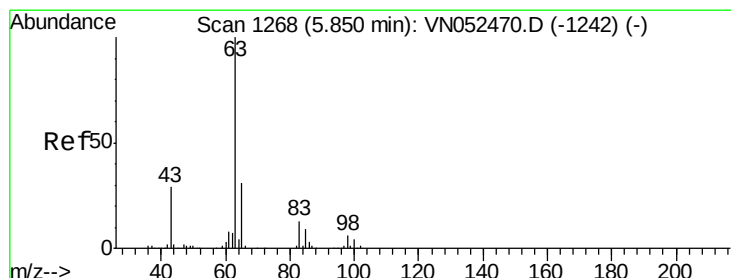
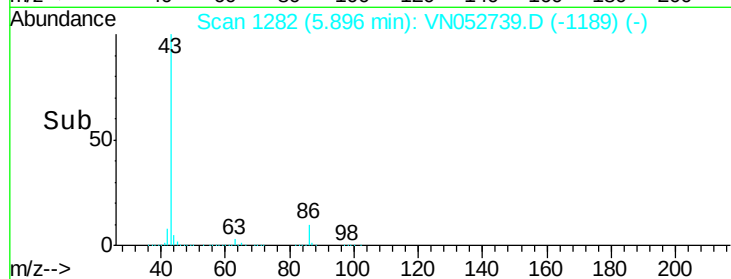
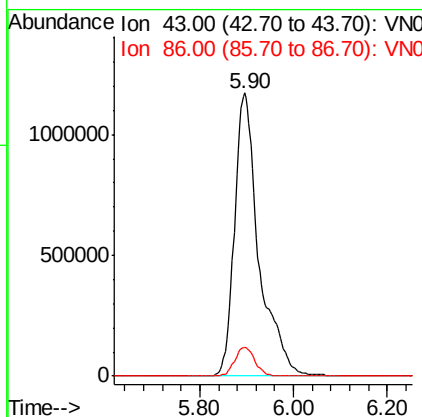
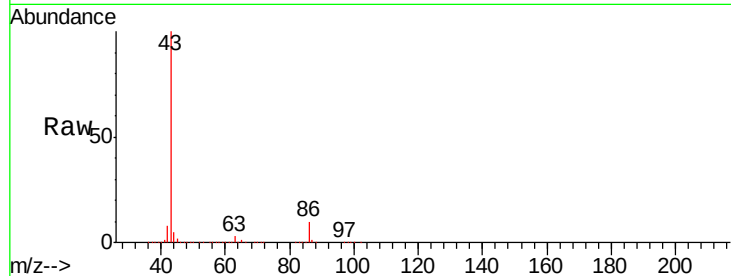
#23
 Vinyl Acetate
 Concen: 211.041 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052739.D
 Acq: 7 Dec 2018 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 4231231
 Ion Ratio Lower Upper
 43 100
 86 10.3 7.8 11.8

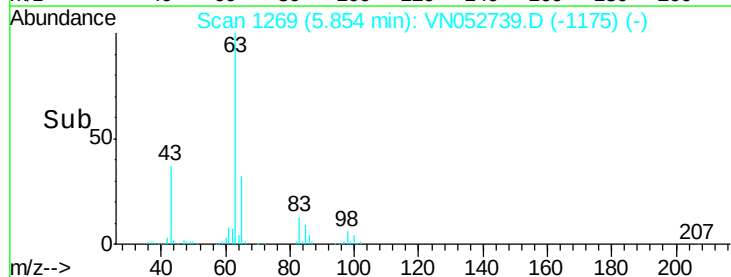
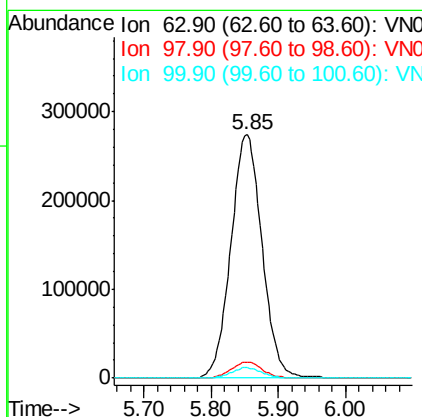
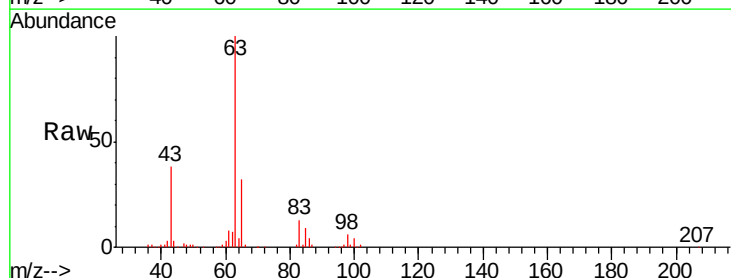
Manual Integrations
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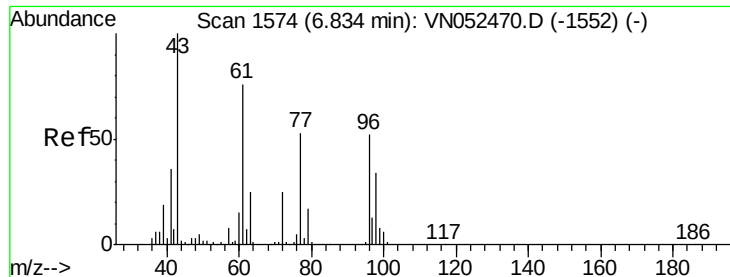
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 48.044 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052739.D
 Acq: 7 Dec 2018 20:44

Tgt Ion: 63 Resp: 883011
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.0 9.2
 100 4.3 2.0 5.8





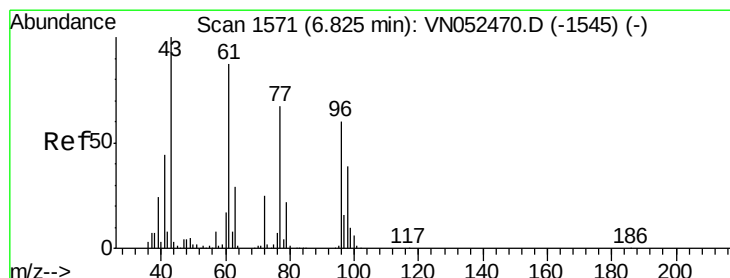
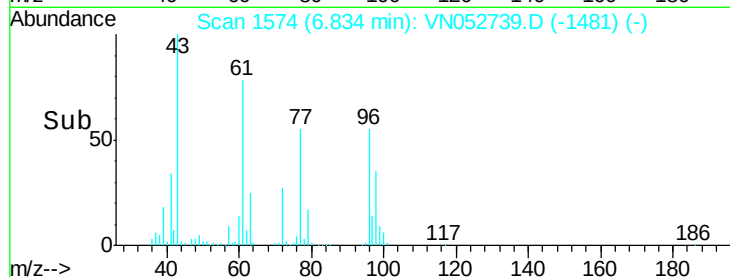
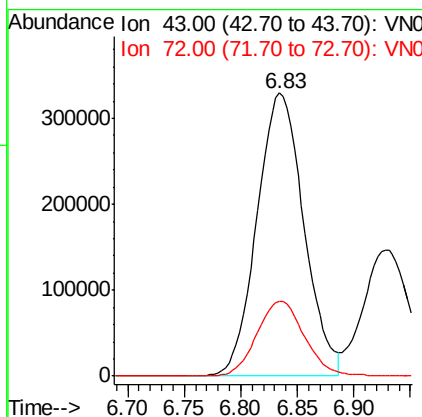
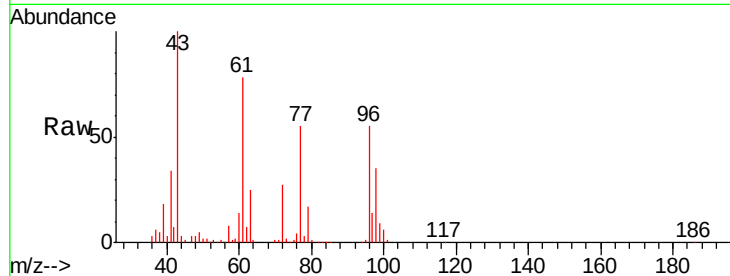
#25
 2-Butanone
 Concen: 244.463 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN052739.D
 Acq: 7 Dec 2018 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 944546
 Ion Ratio Lower Upper
 43 100
 72 26.6 20.1 30.1

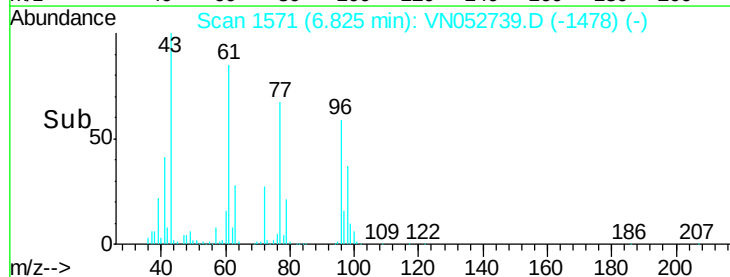
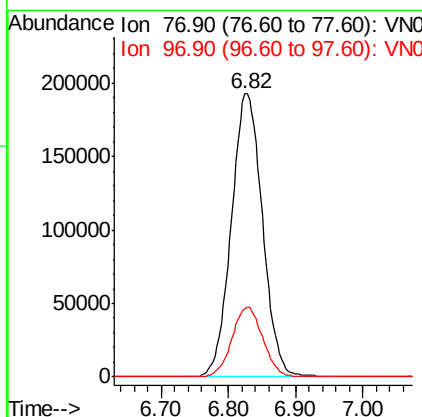
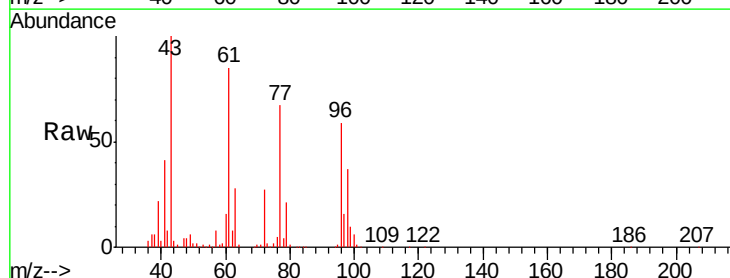
Manual Integrations
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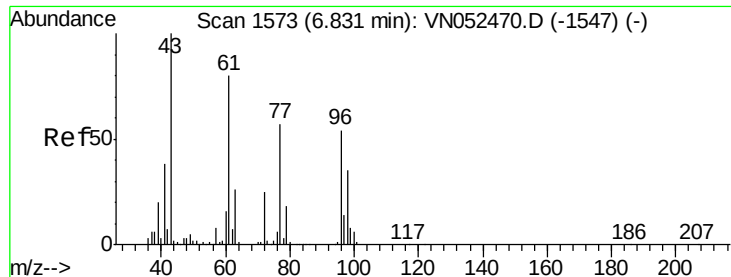
MMDadoda
 12/10/2018 12:51:34 PM



#26
 2,2-Dichloropropane
 Concen: 48.714 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN052739.D
 Acq: 7 Dec 2018 20:44

Tgt Ion: 77 Resp: 619704
 Ion Ratio Lower Upper
 77 100
 97 24.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 48.485 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Instrument :

MSVOA_N

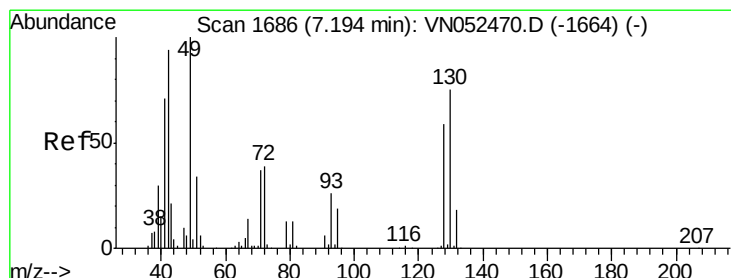
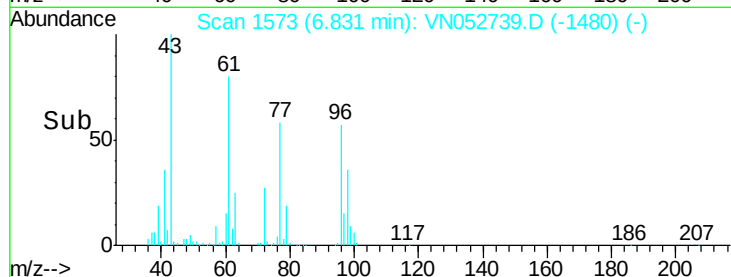
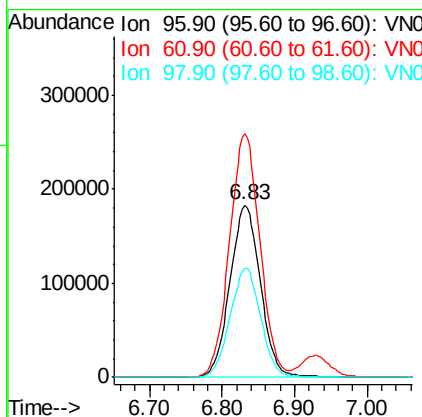
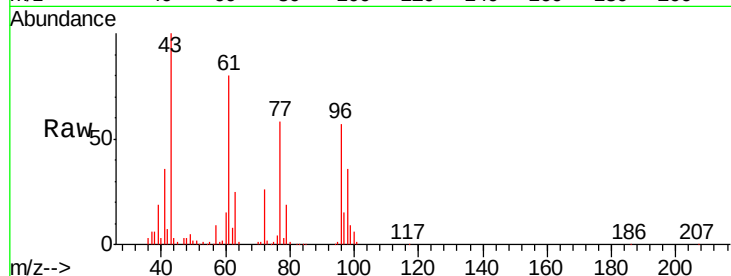
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	536334
Ion	Ratio	Lower	Upper
96	100		
61	141.3	0.0	291.0
98	63.8	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 50.303 ug/l

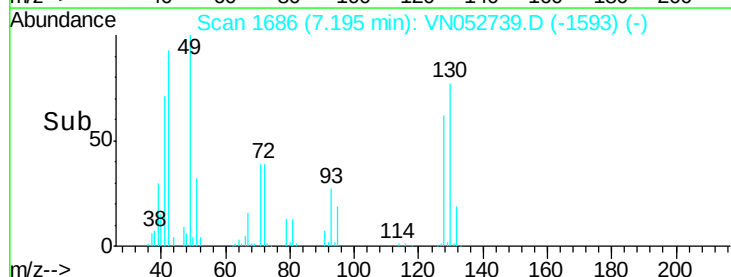
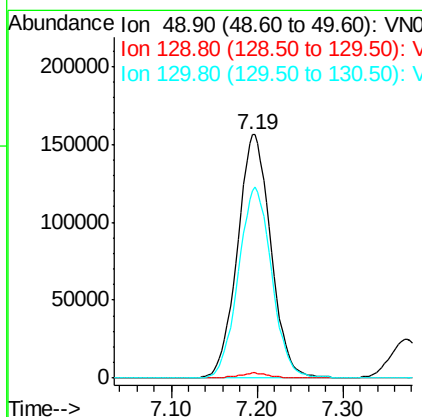
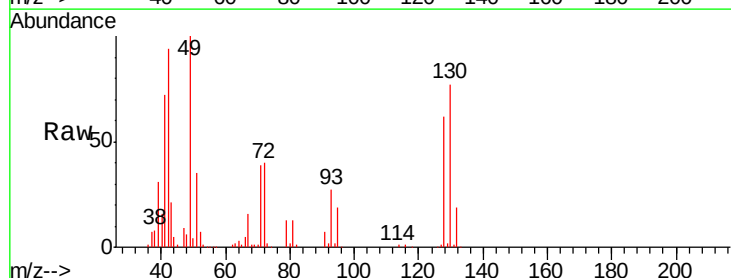
RT: 7.19 min Scan# 1686

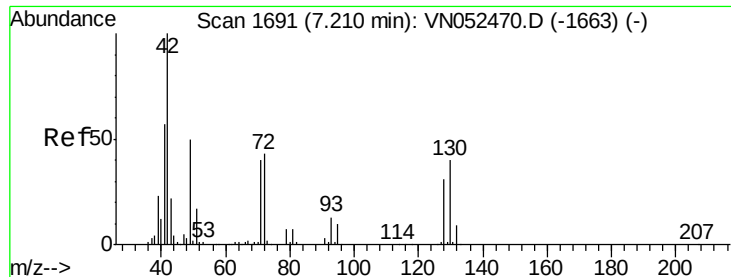
Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Tgt Ion:	49	Resp:	422272
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	78.5	60.2	90.2





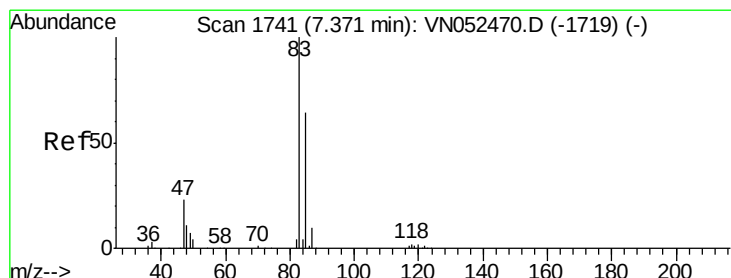
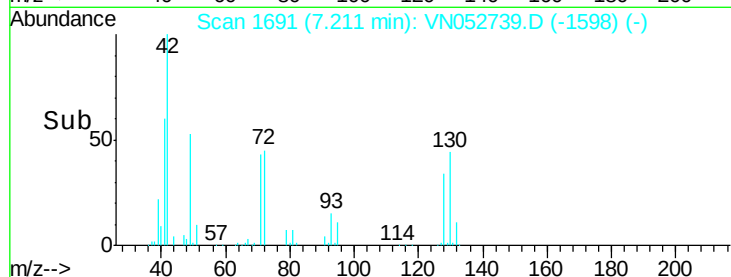
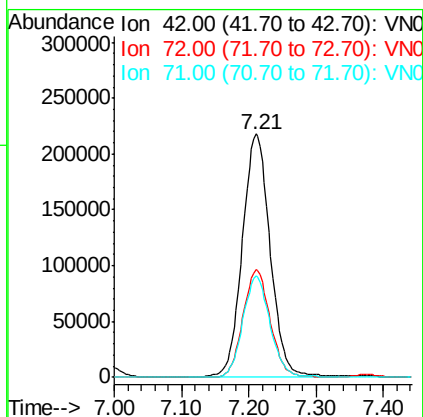
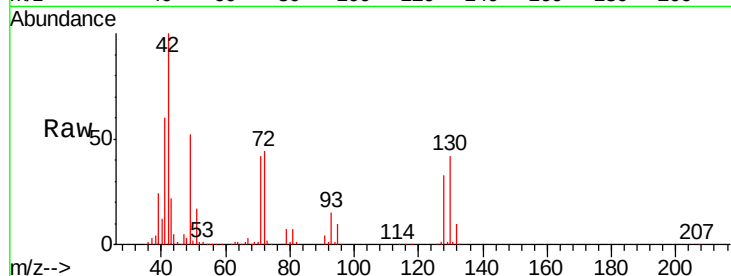
#29
Tetrahydrofuran
Concen: 250.952 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.3	49.9
71	40.7	32.0	48.0

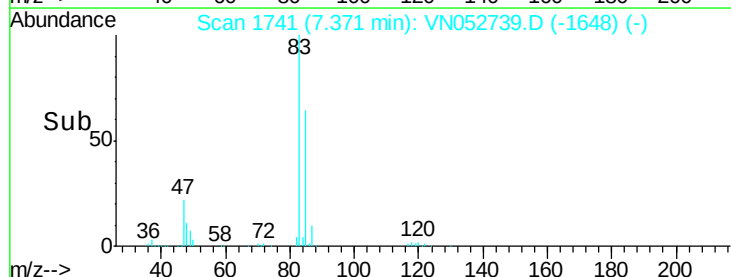
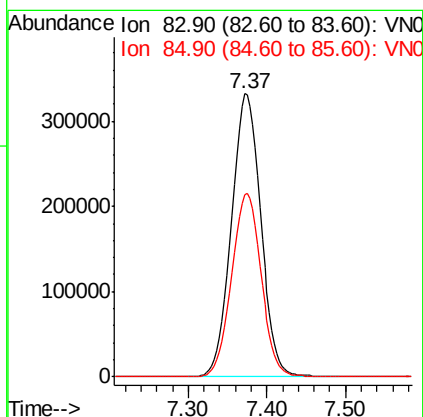
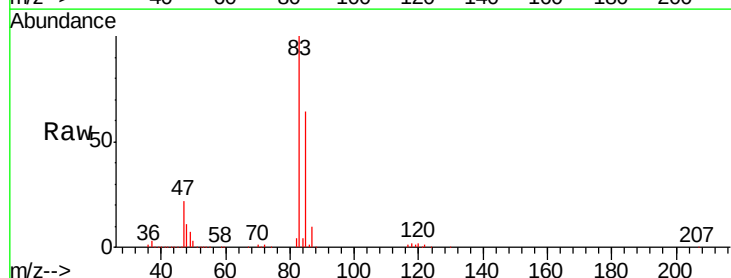
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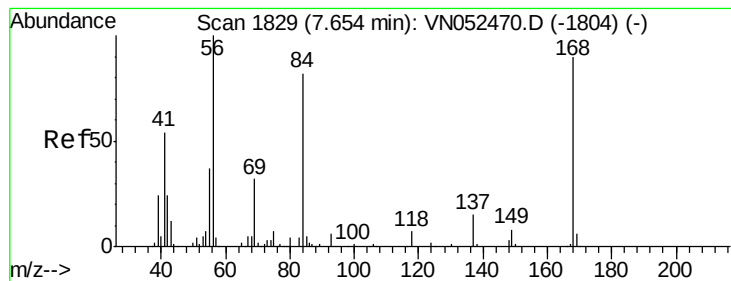
MMDadoda
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#30
Chloroform
Concen: 47.333 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.0	76.4





#31

Cyclohexane

Concen: 43.232 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 769939
Ion Ratio Lower Upper

56 100

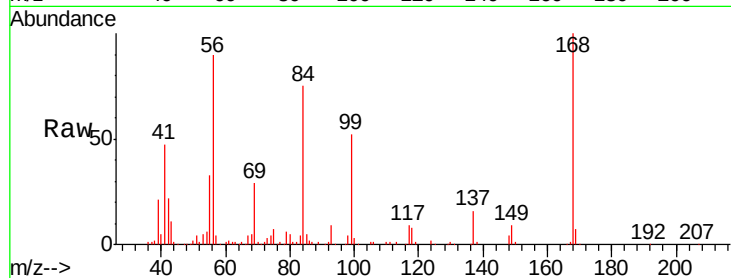
69 32.4 25.8 38.6

84 82.4 65.3 97.9

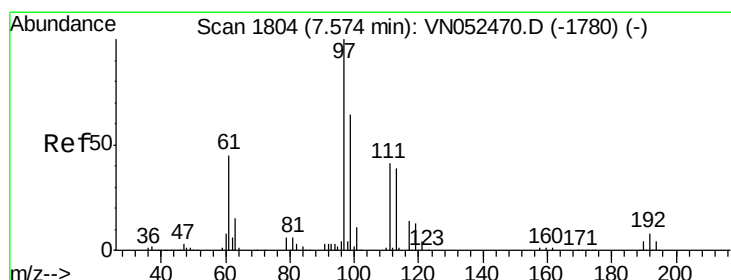
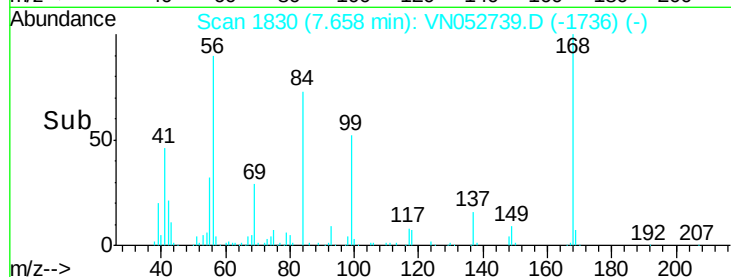
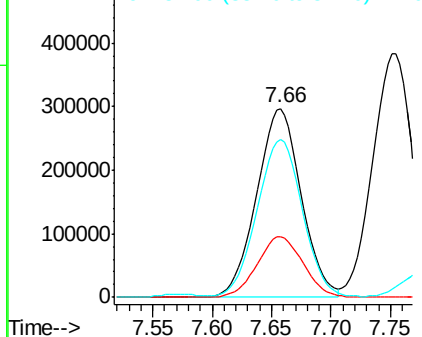
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 49.284 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052739.D

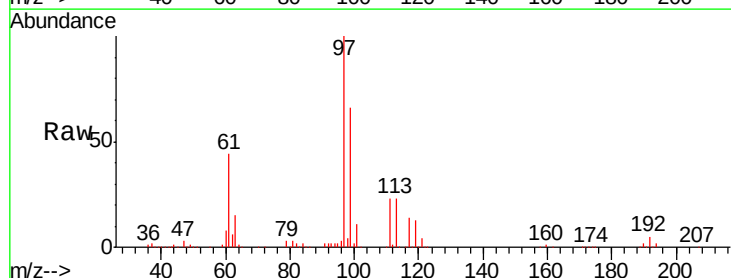
Acq: 7 Dec 2018 20:44

Tgt Ion: 97 Resp: 716016
Ion Ratio Lower Upper

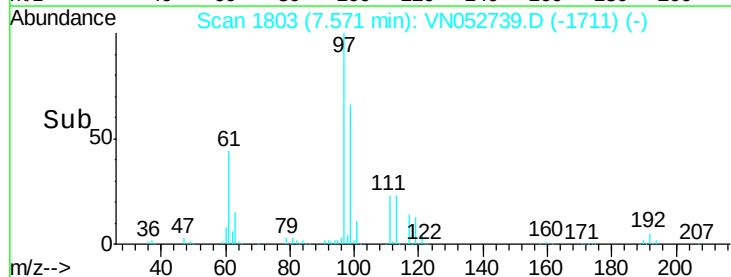
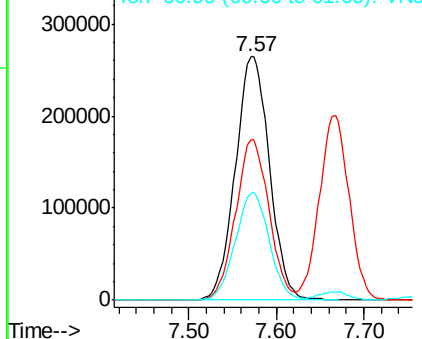
97 100

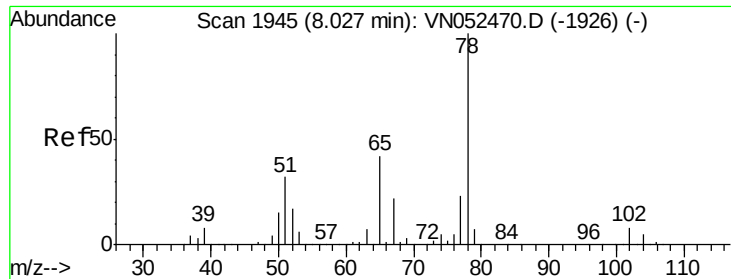
99 64.7 51.7 77.5

61 44.0 36.8 55.2



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





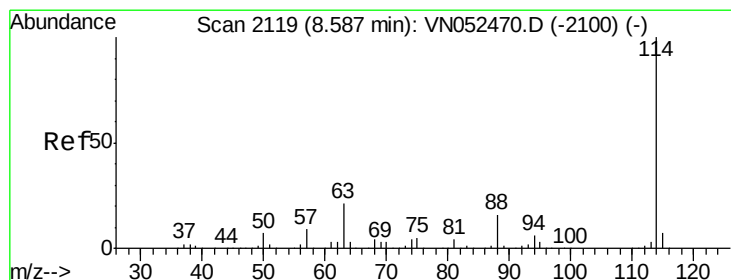
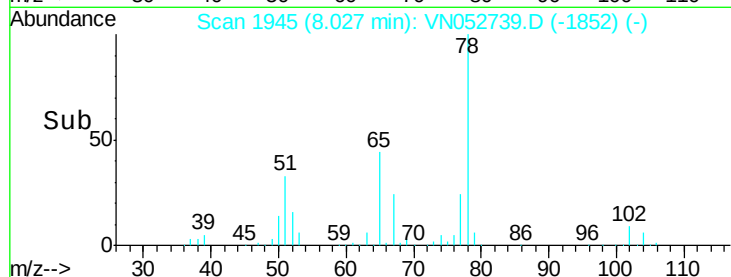
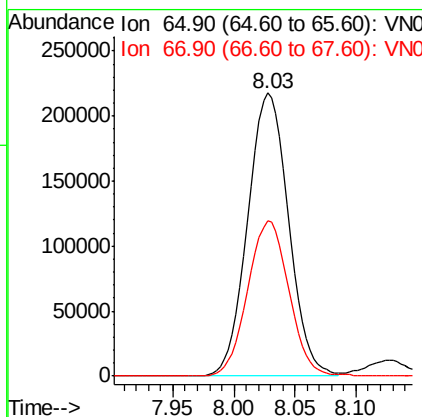
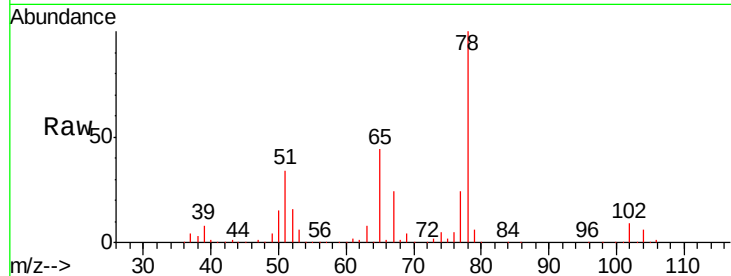
#33
 1,2-Dichloroethane-d4
 Concen: 49.284 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052739.D
 Acq: 7 Dec 2018 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 505913
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 109.8

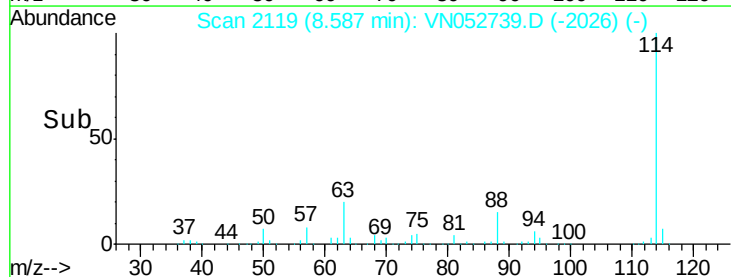
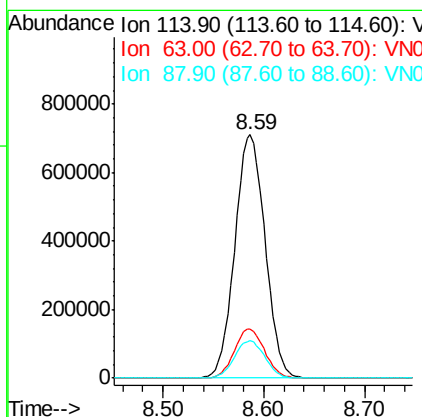
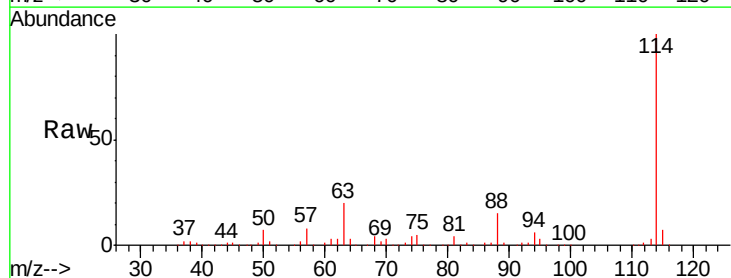
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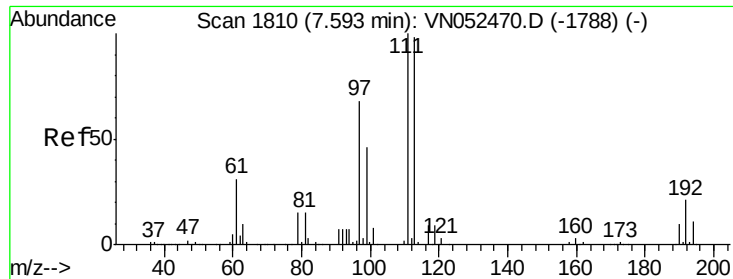
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052739.D
 Acq: 7 Dec 2018 20:44

Tgt Ion: 114 Resp: 1479331
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.8
 88 15.3 0.0 31.6





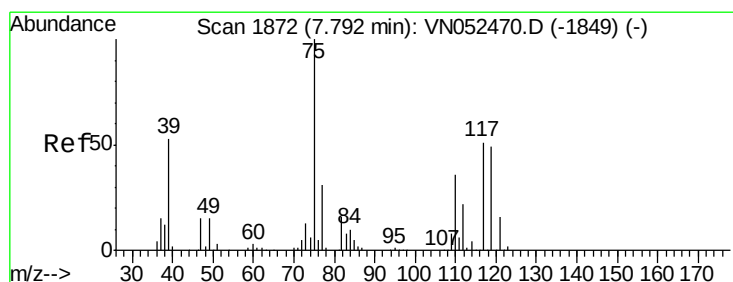
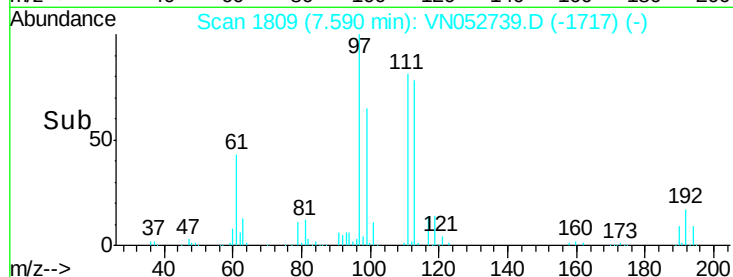
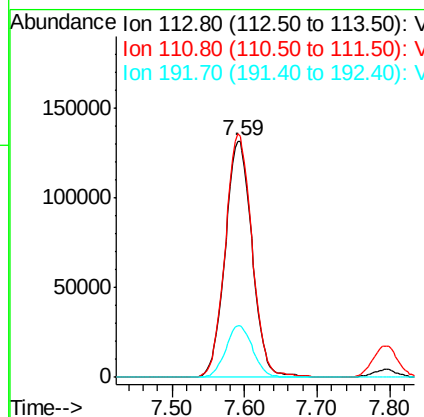
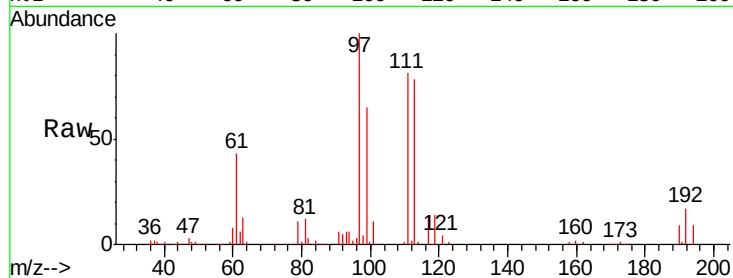
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	339210		
111	102.1	82.0	123.0	
192	21.7	17.0	25.6	

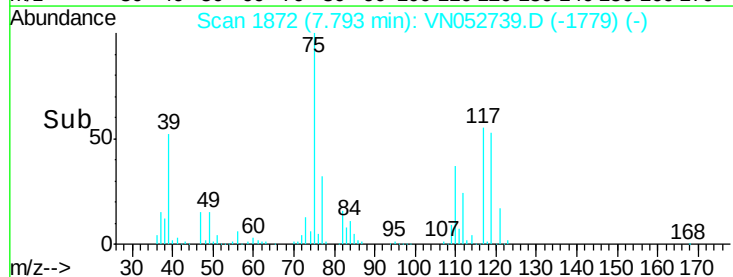
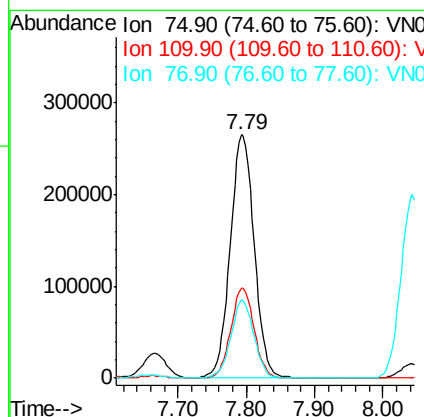
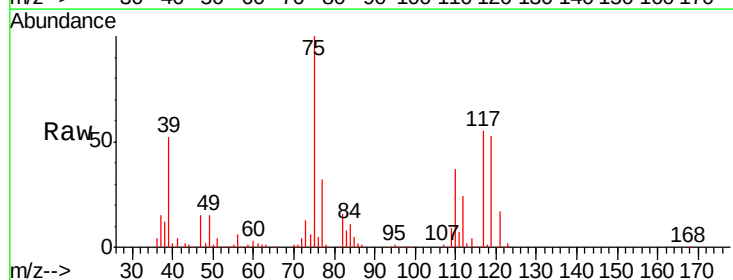
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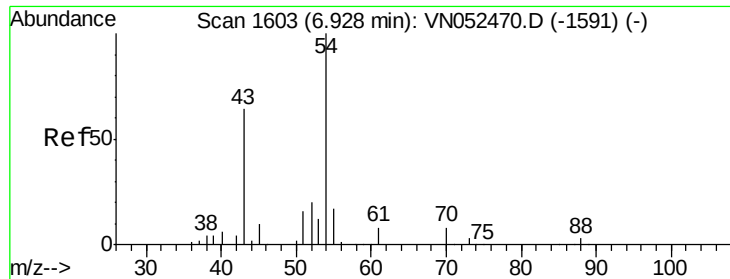
MMDadoda
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#36
1,1-Dichloropropene
Concen: 46.456 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	648983		
110	35.8	17.5	52.6	
77	30.9	24.5	36.7	





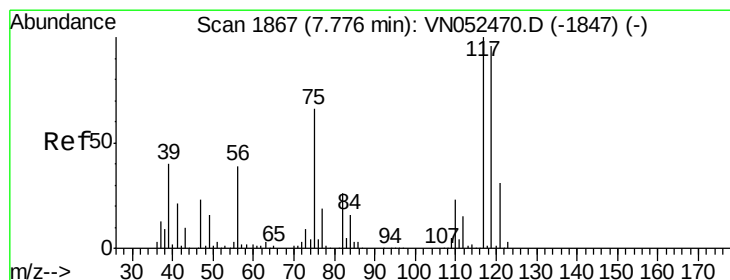
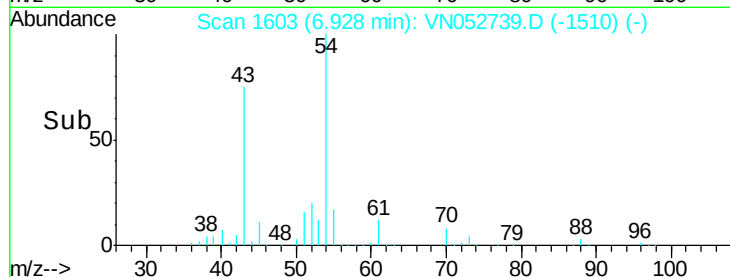
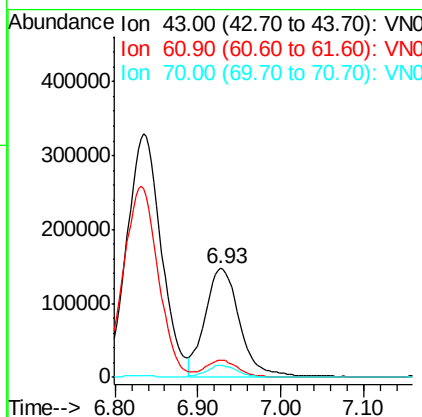
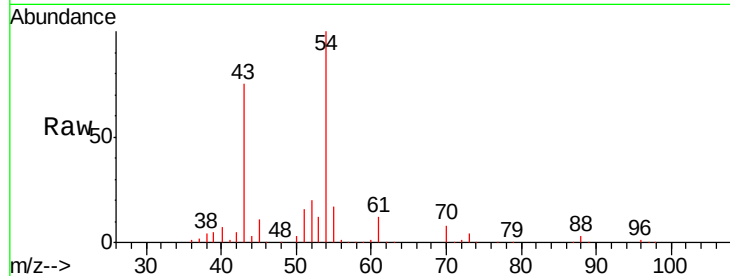
#37
Ethyl Acetate
Concen: 49.920 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.8	17.8
70	10.1	7.8	11.8

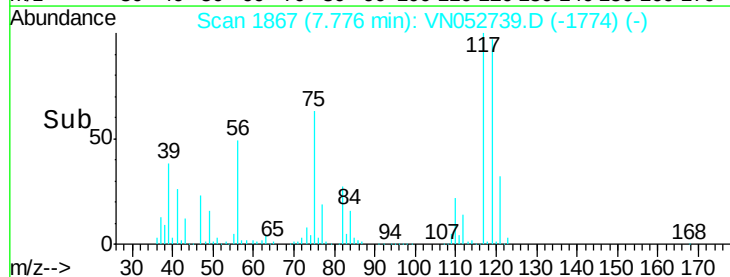
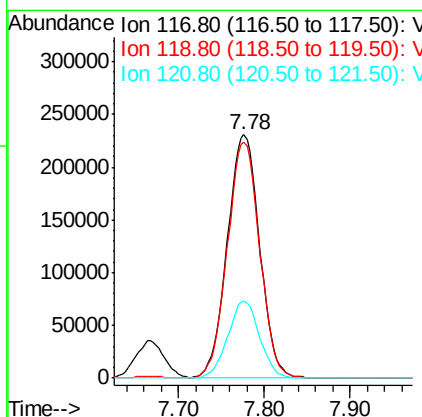
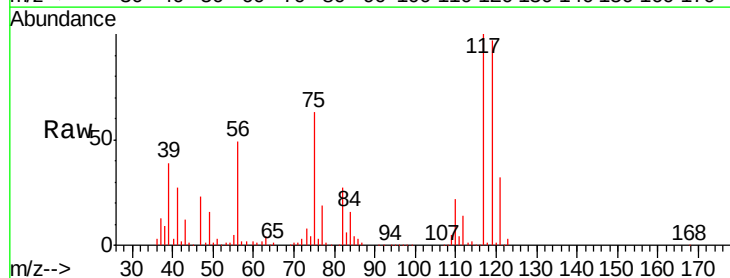
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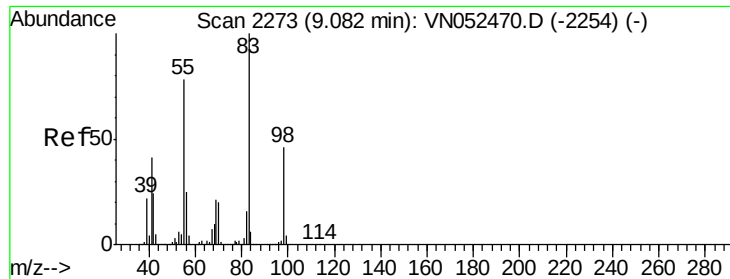
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#38
Carbon Tetrachloride
Concen: 47.611 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.8	115.2
121	31.6	24.9	37.3





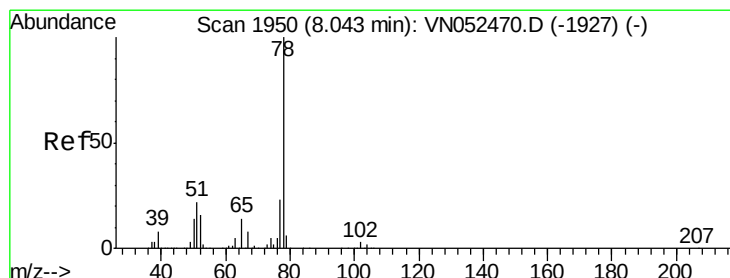
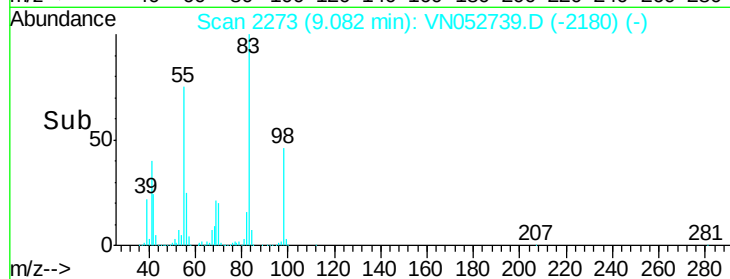
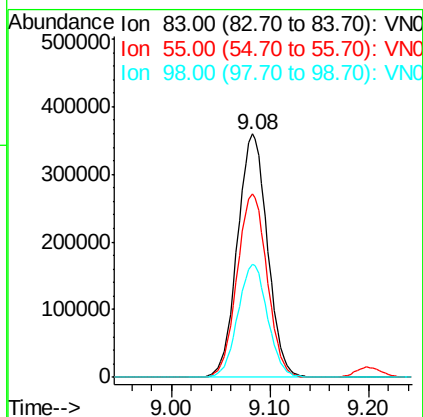
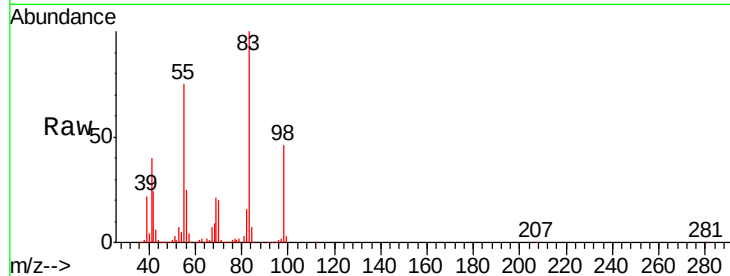
#39
Methylcyclohexane
Concen: 44.458 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.1	62.2	93.2
98	46.3	36.4	54.6

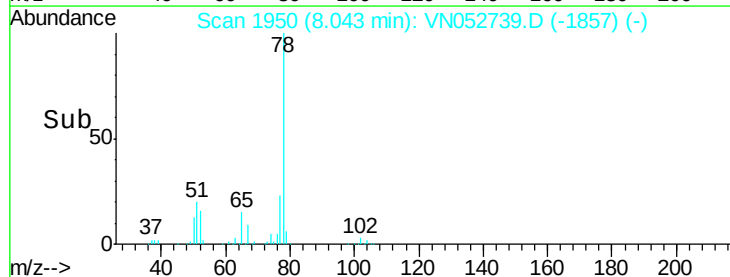
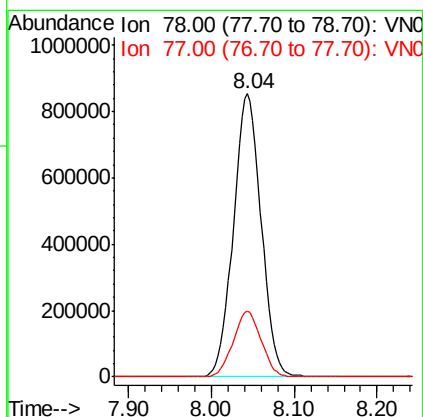
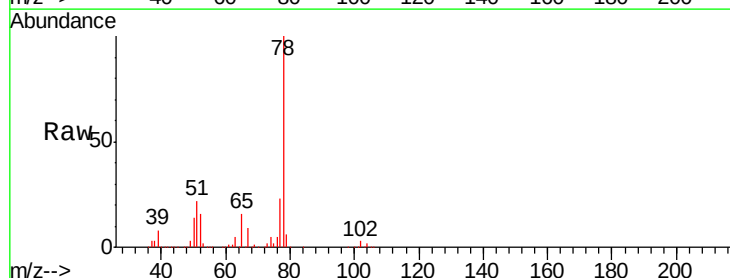
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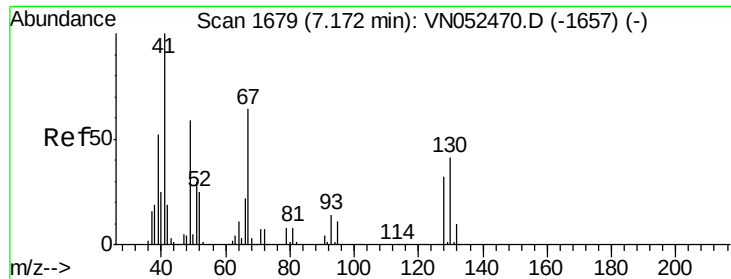
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#40
Benzene
Concen: 47.642 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





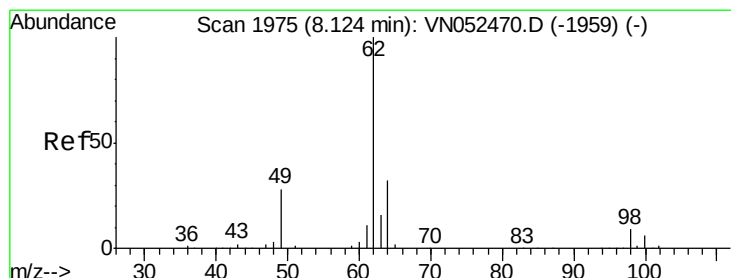
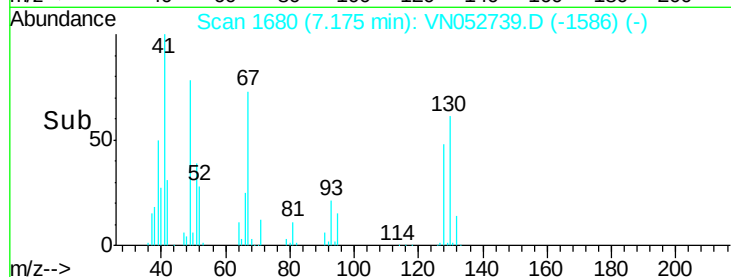
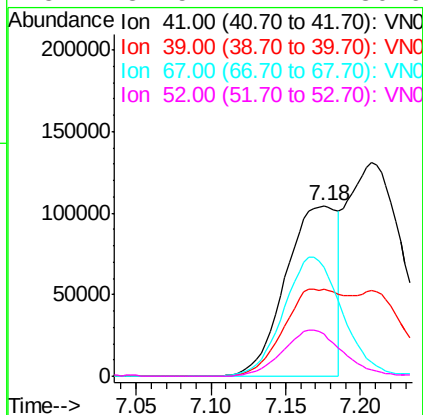
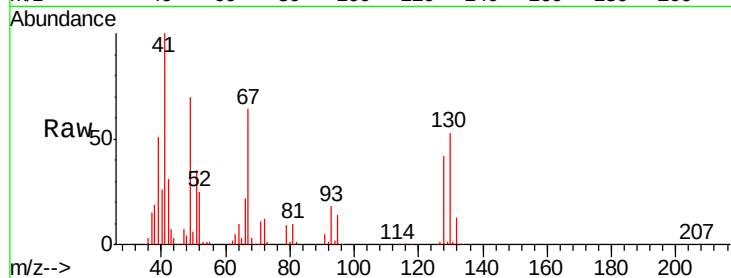
#41
Methacrylonitrile
Concen: 53.320 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.2	50.9	76.3
67	80.9	63.6	95.4
52	31.5	24.4	36.6

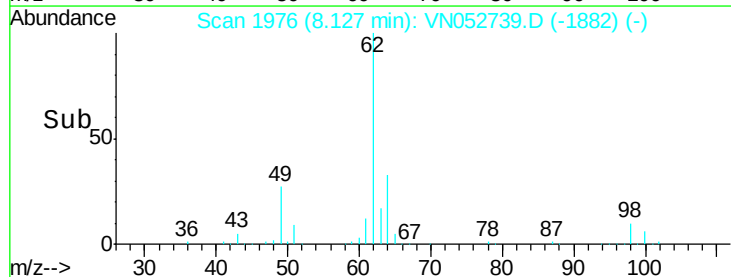
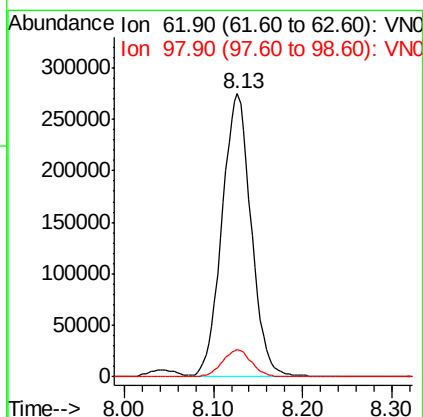
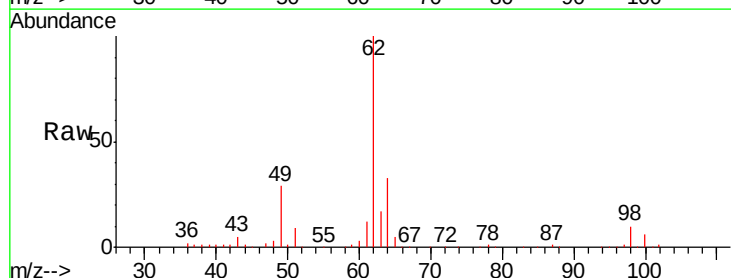
Manual Integrations
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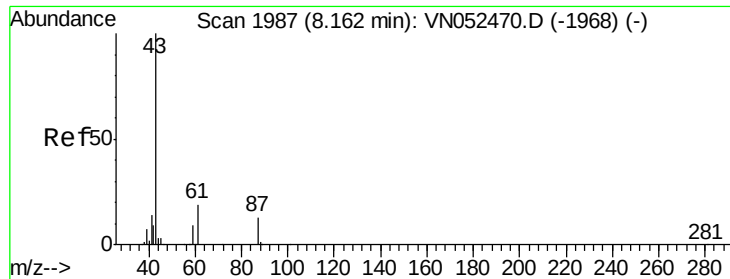
MMDadoda
12/10/2018 12:51:34 PM



#42
1,2-Dichloroethane
Concen: 49.229 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6





#43

Isopropyl Acetate

Concen: 55.174 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Instrument :

MSVOA_N

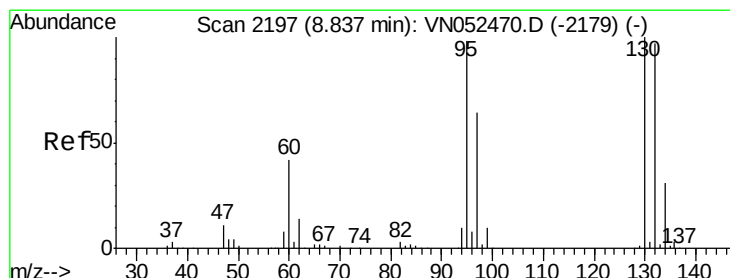
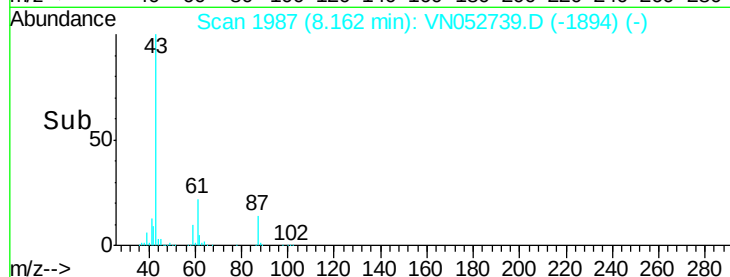
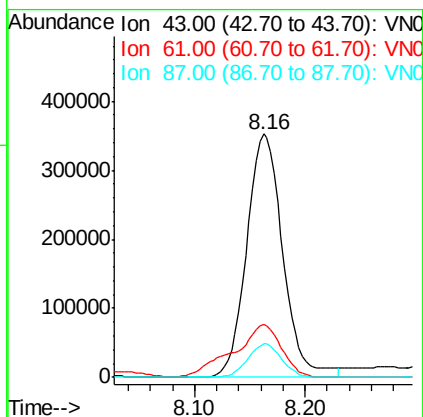
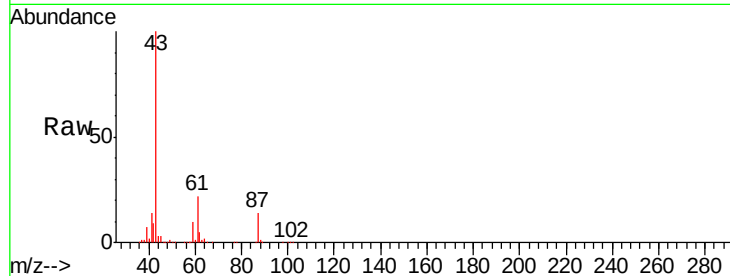
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	796049
Ion	Ratio	Lower	Upper
43	100		
61	28.8	24.1	36.1
87	13.0	10.6	15.8

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#44

Trichloroethene

Concen: 50.952 ug/l

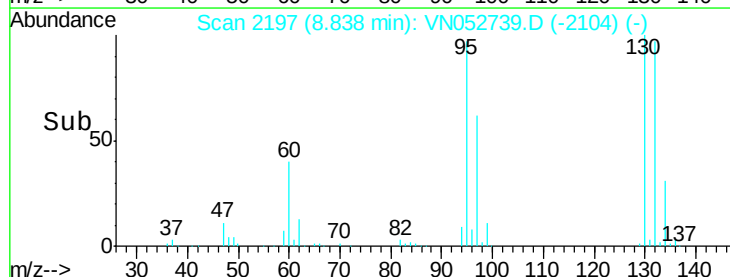
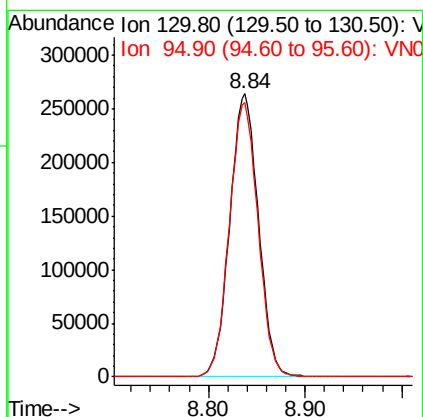
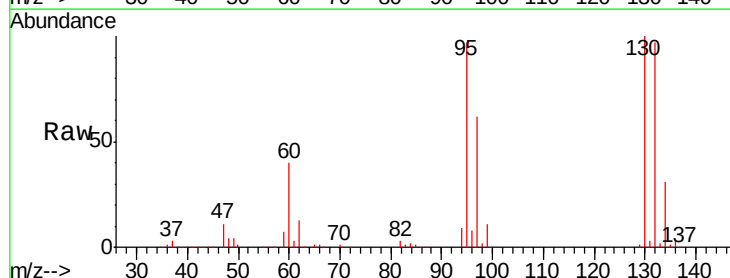
RT: 8.84 min Scan# 2197

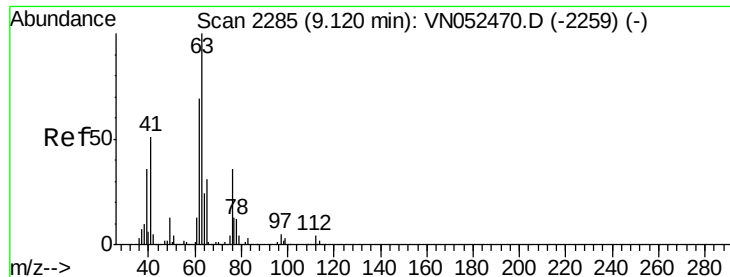
Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Tgt Ion:	130	Resp:	543357
Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	195.6





#45

1,2-Dichloropropane

Concen: 49.154 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 544060

Ion Ratio Lower Upper

63 100

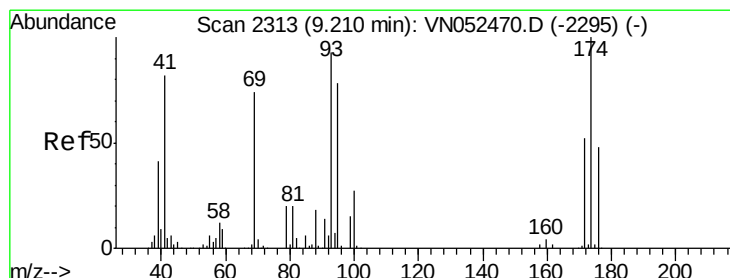
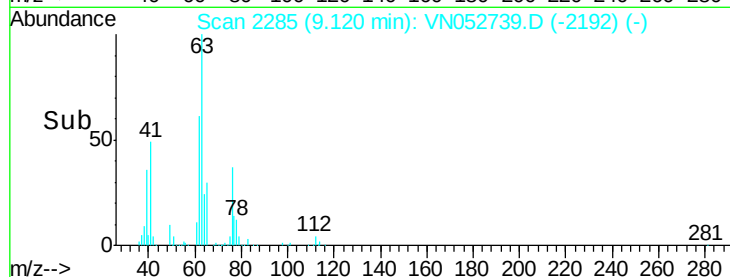
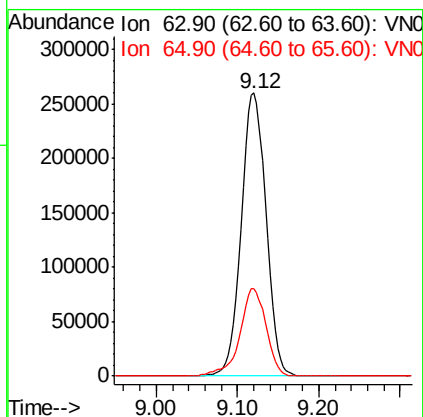
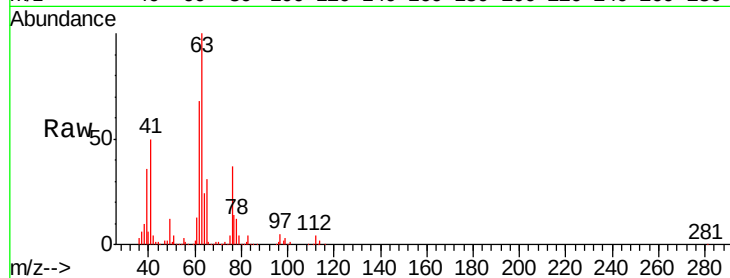
65 30.9 25.0 37.6

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#46

Dibromomethane

Concen: 50.730 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

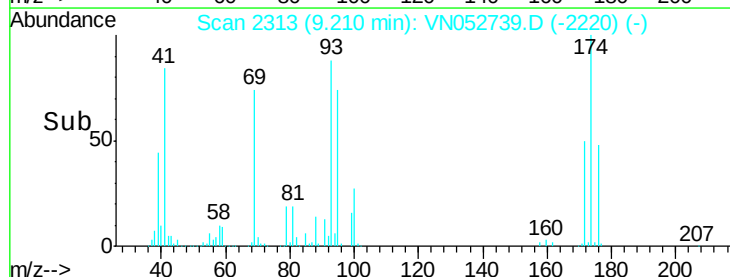
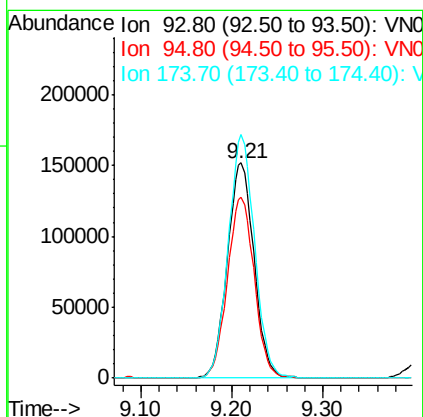
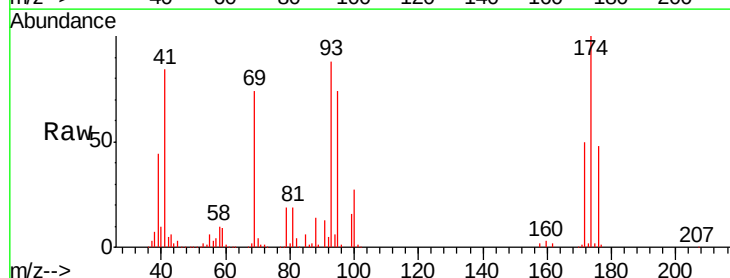
Tgt Ion: 93 Resp: 310841

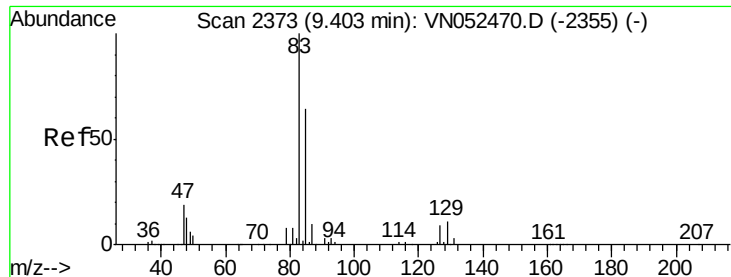
Ion Ratio Lower Upper

93 100

95 84.5 67.1 100.7

174 111.2 85.8 128.8





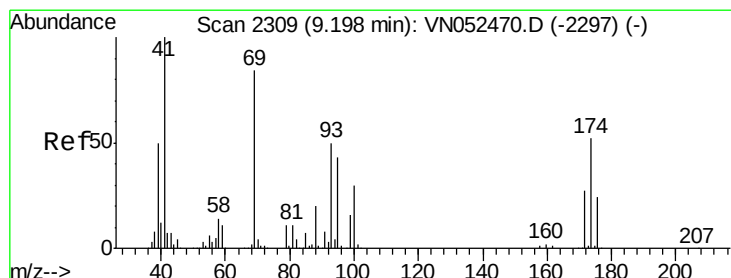
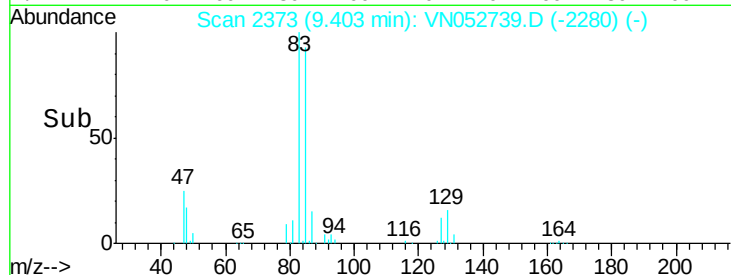
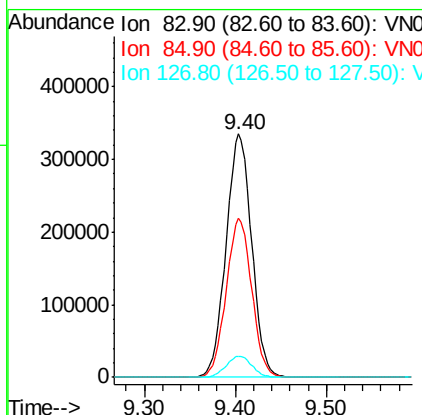
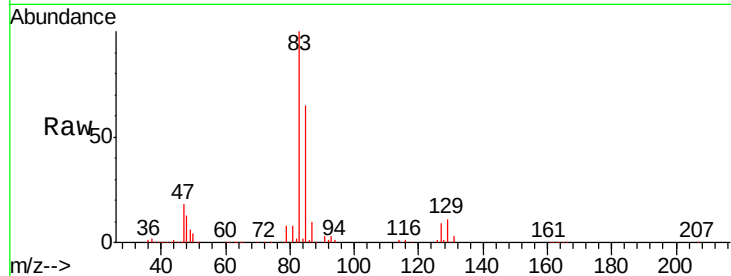
#47
Bromodichloromethane
Concen: 49.251 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.3	76.9
127	8.8	6.9	10.3

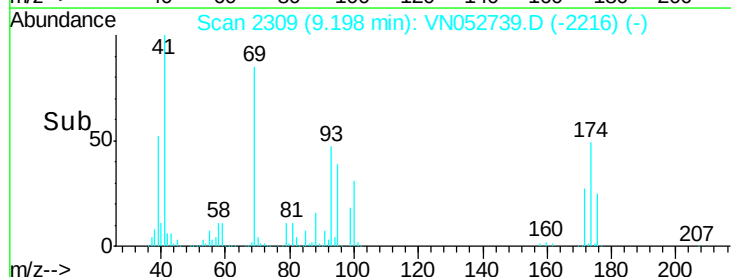
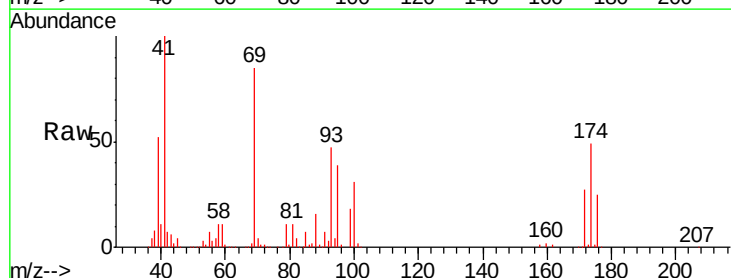
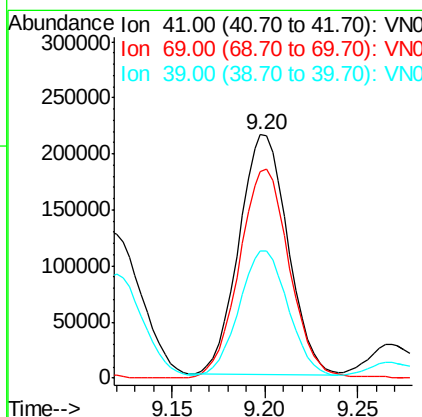
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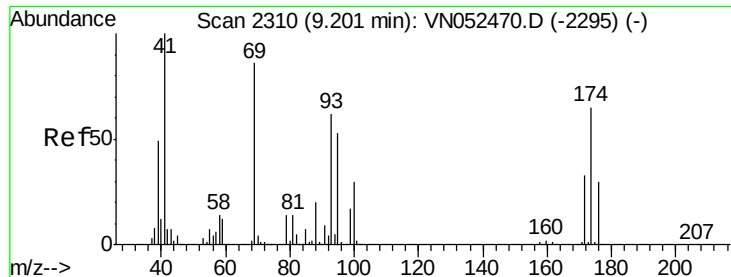
MMDadoda
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#48
Methyl methacrylate
Concen: 52.434 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.9	70.0	105.0
39	54.0	42.6	64.0





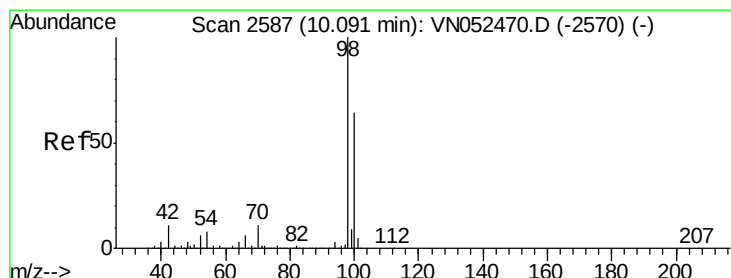
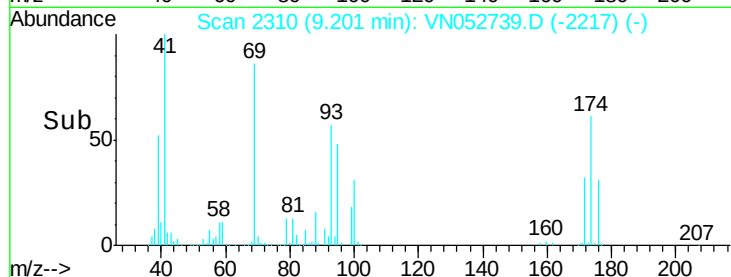
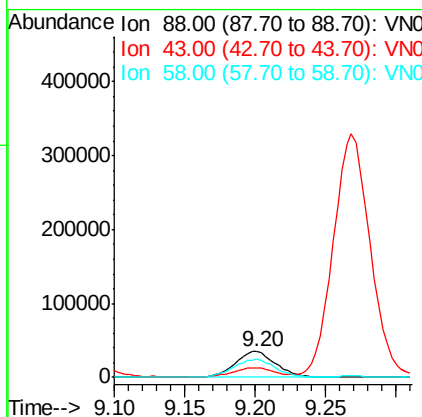
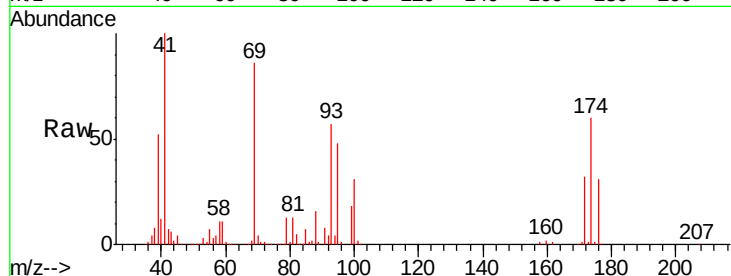
#49
1,4-Dioxane
Concen: 913.057 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.5	26.4	39.6
58	70.4	55.4	83.0

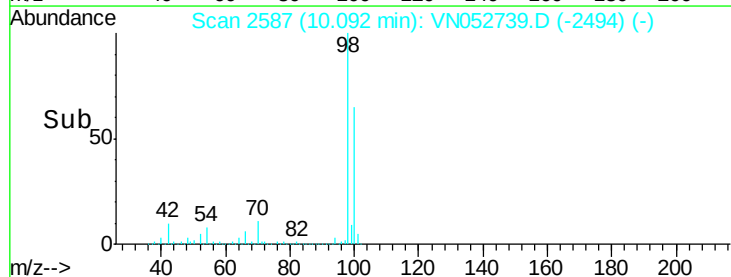
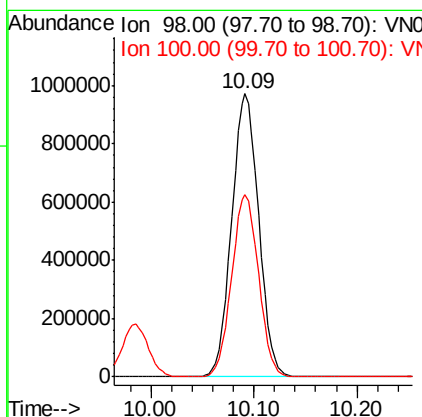
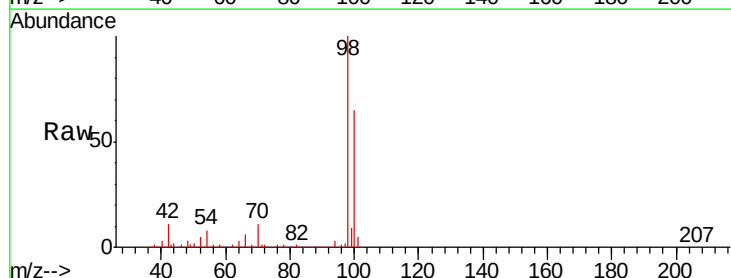
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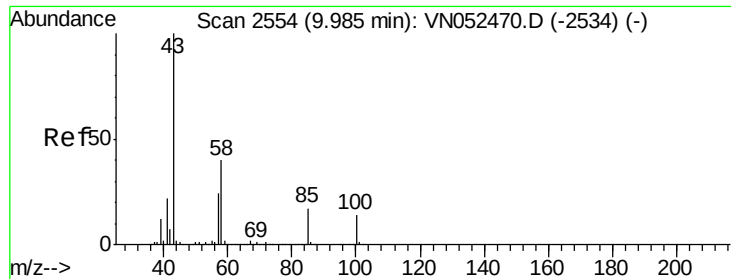
MMDadoda
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#50
Toluene-d8
Concen: 913.057 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.3	76.9





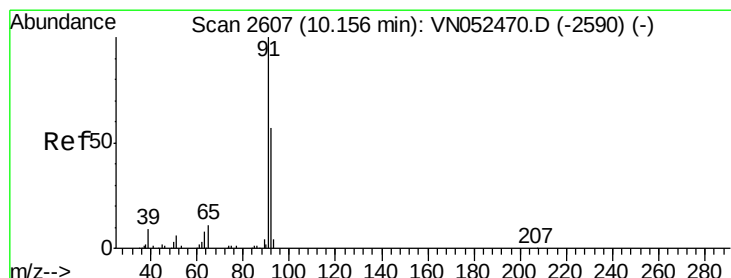
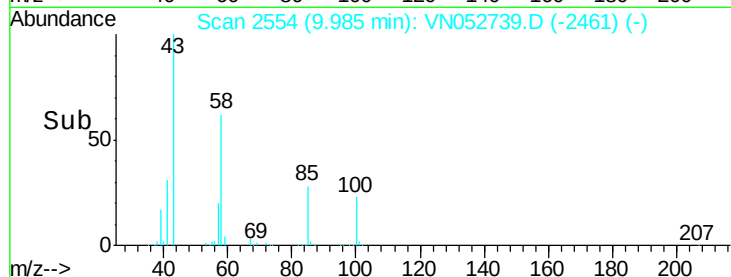
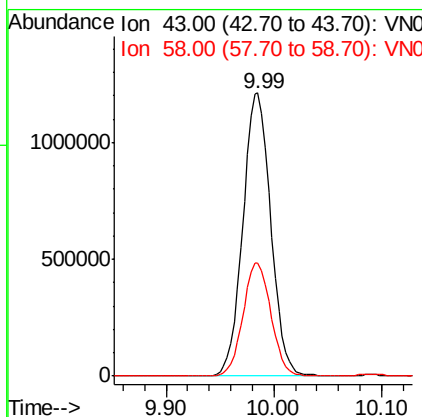
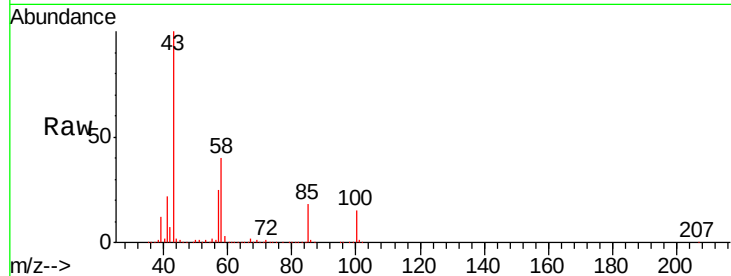
#51
4-Methyl-2-Pentanone
Concen: 269.017 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 2177718
Ion Ratio Lower Upper
43 100
58 40.1 31.5 47.3

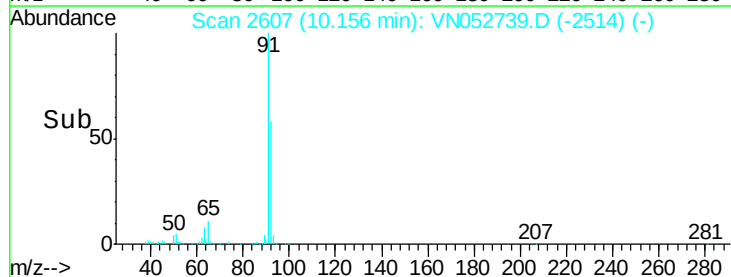
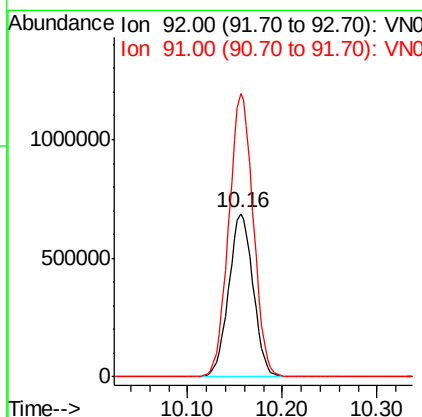
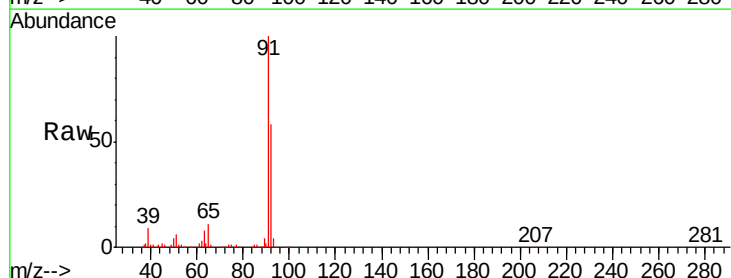
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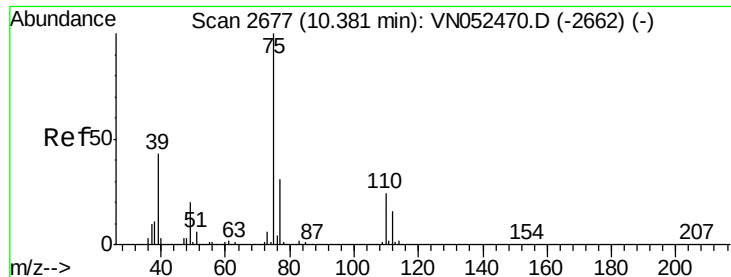
MMDadoda
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#52
Toluene
Concen: 49.591 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Tgt Ion: 92 Resp: 1226667
Ion Ratio Lower Upper
92 100
91 174.3 141.0 211.4





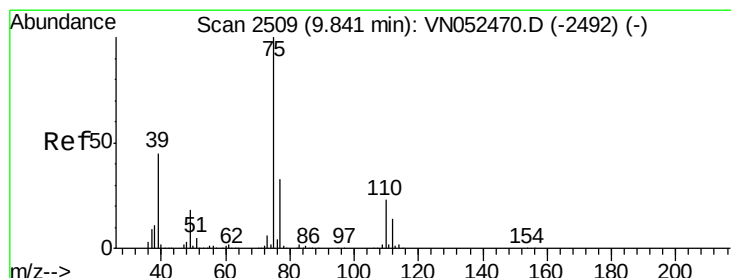
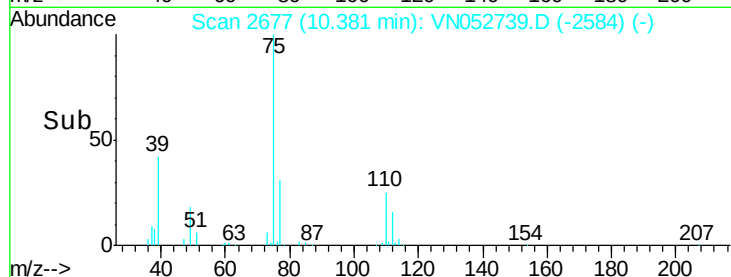
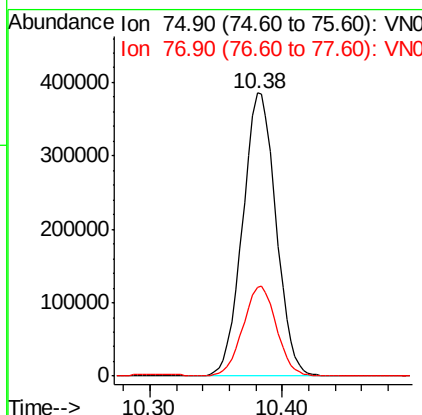
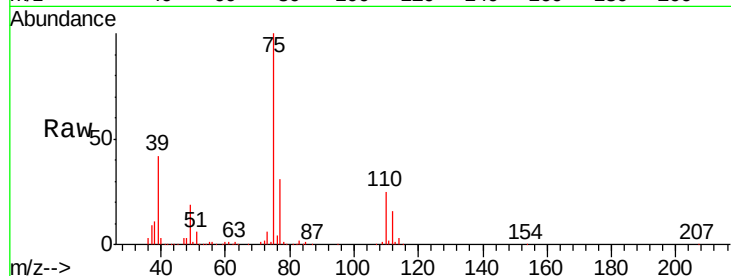
#53
t-1,3-Dichloropropene
Concen: 52.666 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 674967
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.4

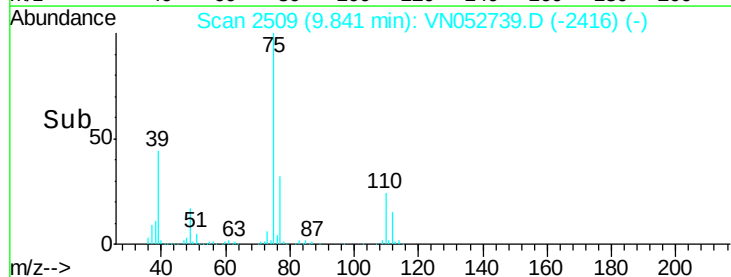
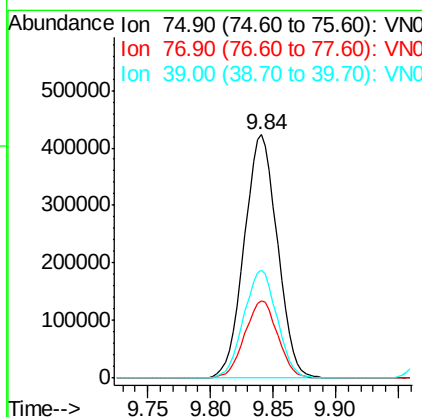
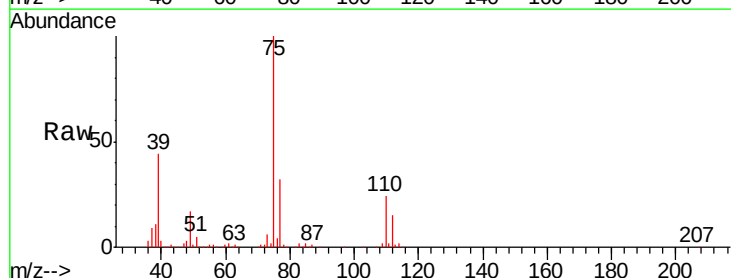
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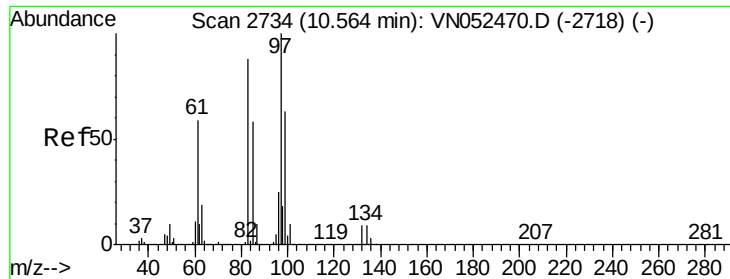
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.798 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Tgt Ion: 75 Resp: 780176
Ion Ratio Lower Upper
75 100
77 31.7 26.2 39.2
39 44.3 36.0 54.0





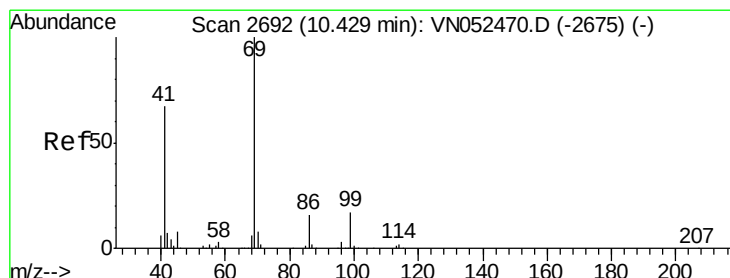
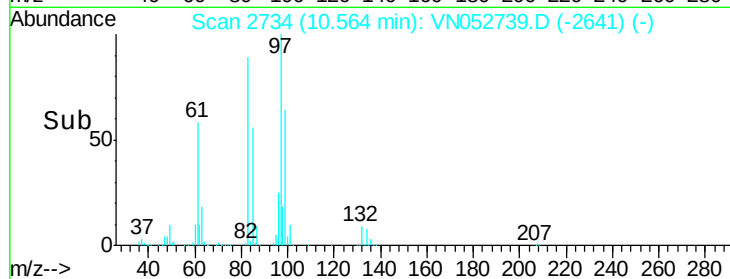
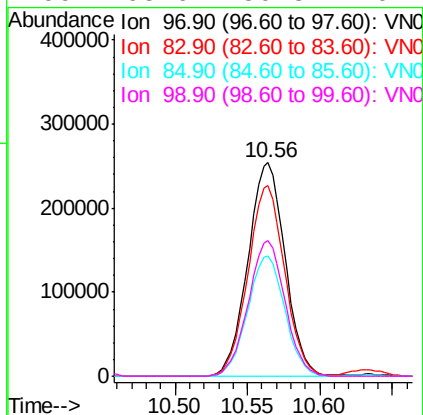
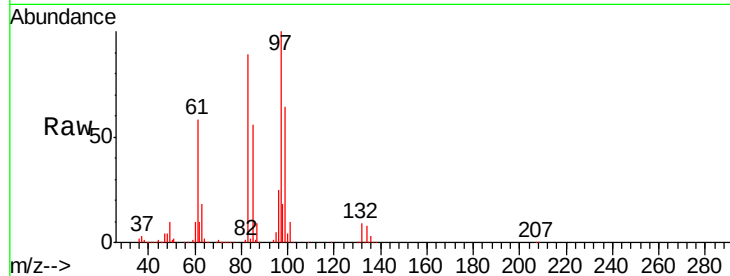
#55
 1,1,2-Trichloroethane
 Concen: 52.220 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052739.D
 Acq: 7 Dec 2018 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.7	106.1
85	56.4	46.1	69.1
99	63.6	50.8	76.2

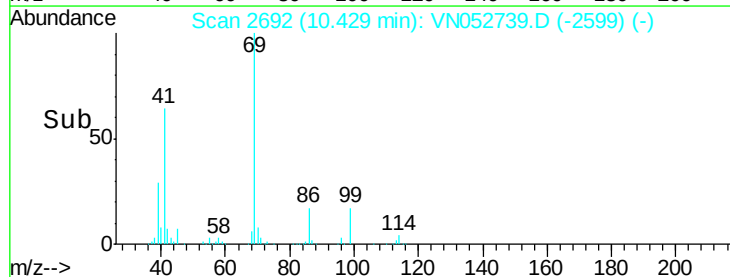
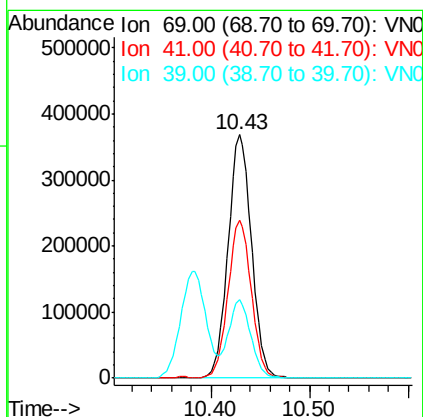
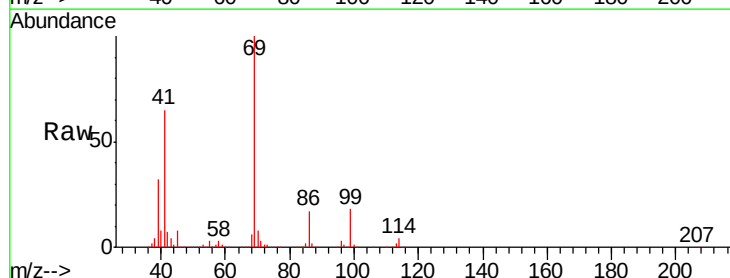
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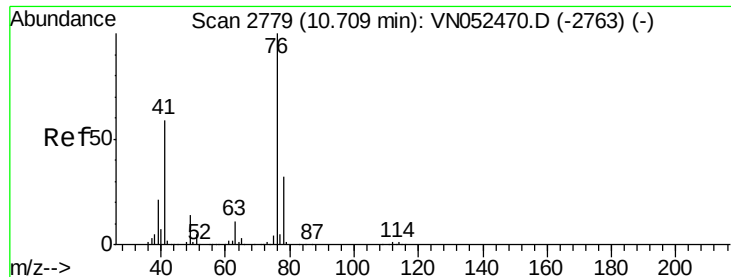
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#56
 Ethyl methacrylate
 Concen: 50.775 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052739.D
 Acq: 7 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.7	52.6	79.0
39	31.1	25.9	38.9





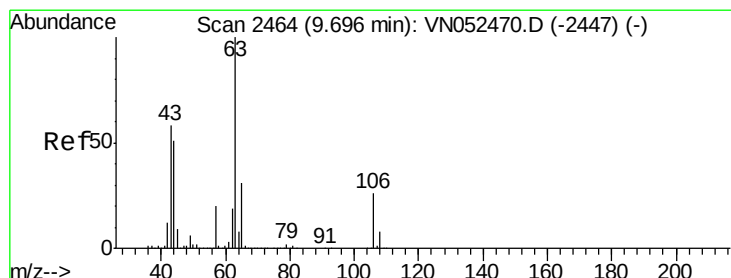
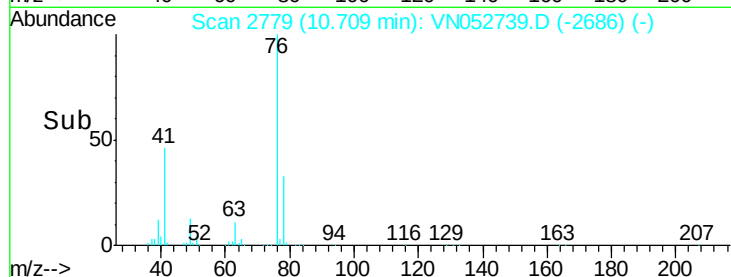
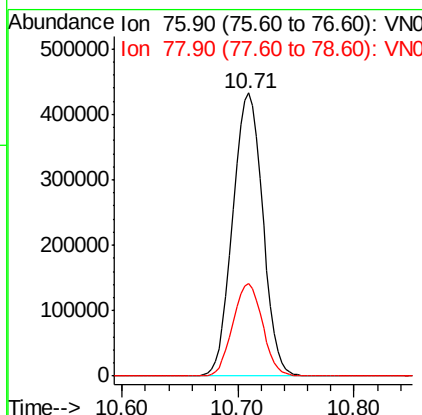
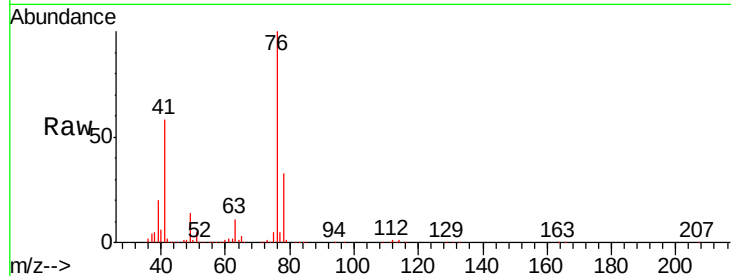
#57
 1,3-Dichloropropane
 Concen: 50.439 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052739.D
 Acq: 7 Dec 2018 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 774904
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.6 38.4

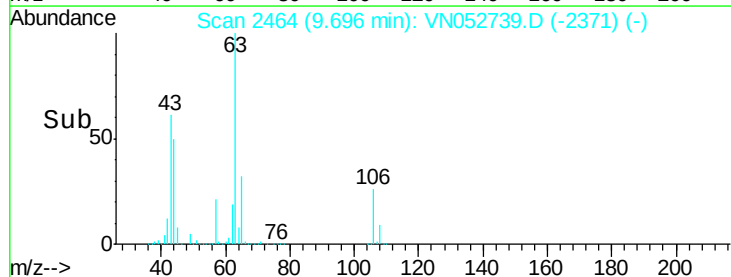
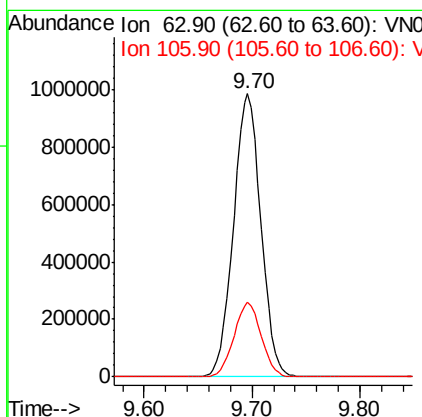
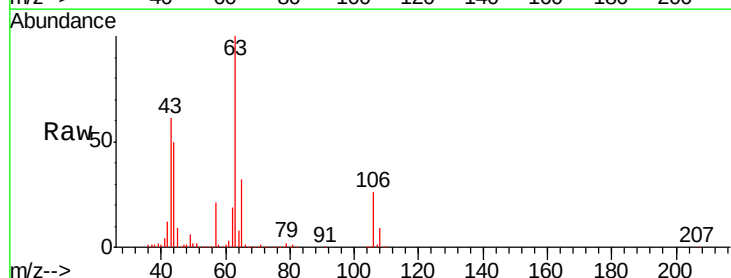
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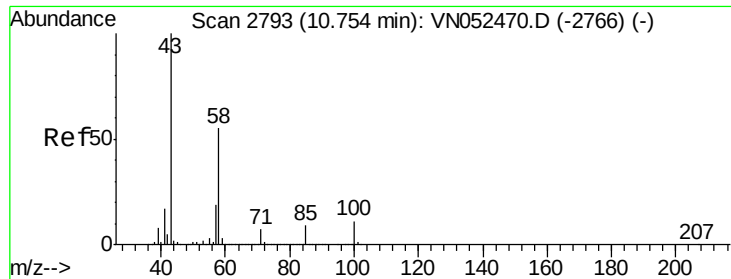
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 12/10/2018 12:51:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 275.887 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052739.D
 Acq: 7 Dec 2018 20:44

Tgt Ion: 63 Resp: 1741830
 Ion Ratio Lower Upper
 63 100
 106 26.3 20.6 30.8





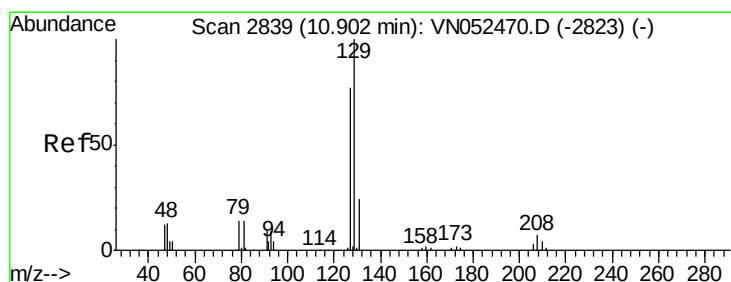
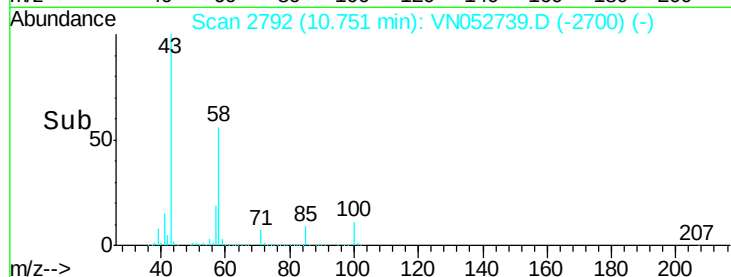
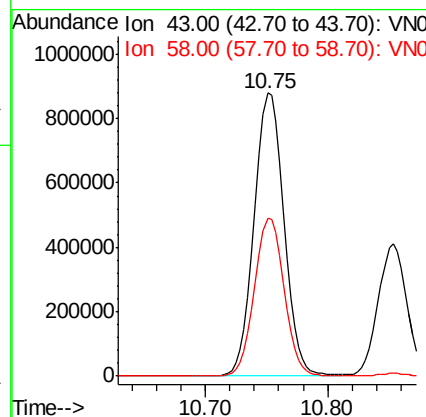
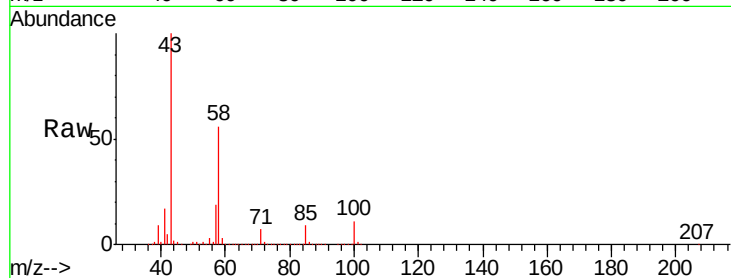
#59
2-Hexanone
Concen: 272.008 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1477827
Ion Ratio Lower Upper
43 100
58 55.6 27.4 82.0

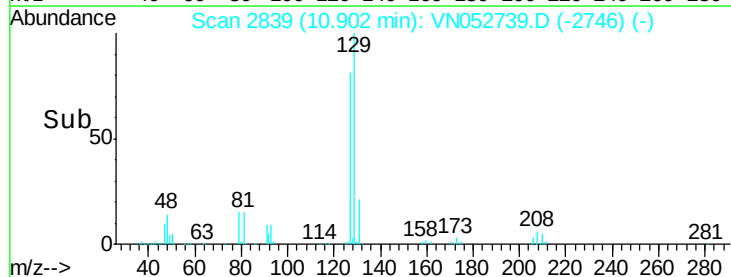
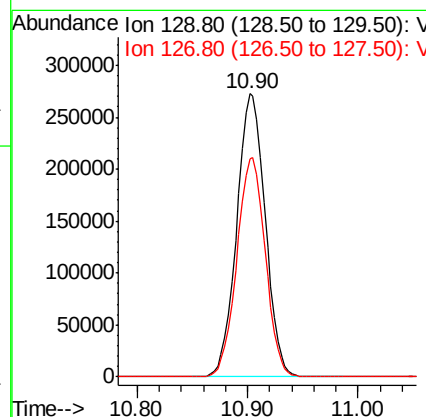
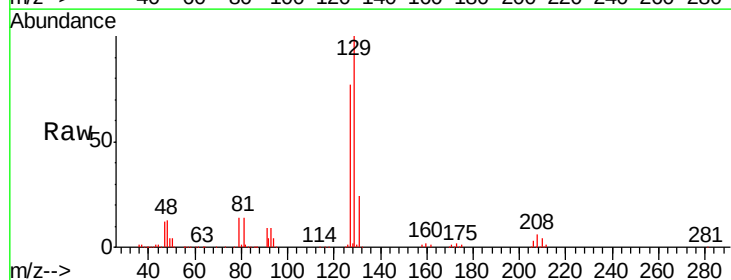
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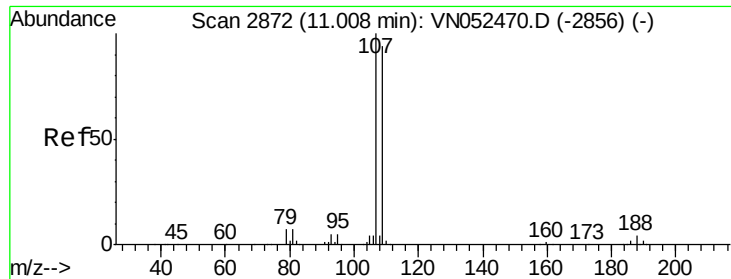
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#60
Dibromochloromethane
Concen: 51.617 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Tgt Ion: 129 Resp: 487781
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.6





#61

1,2-Dibromoethane

Concen: 51.823 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDC0050EC

Tgt Ion: 107 Resp: 447845

Ion Ratio Lower Upper

107 100

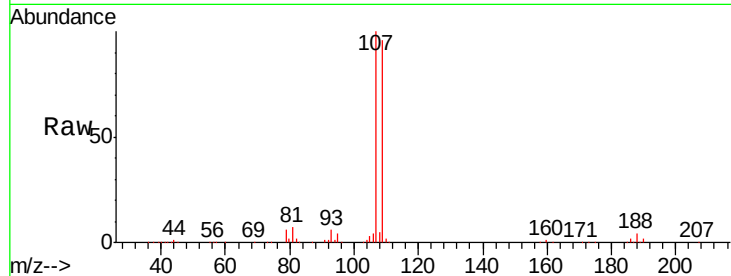
109 94.8 75.6 113.4

Manual Integrations

APPROVED

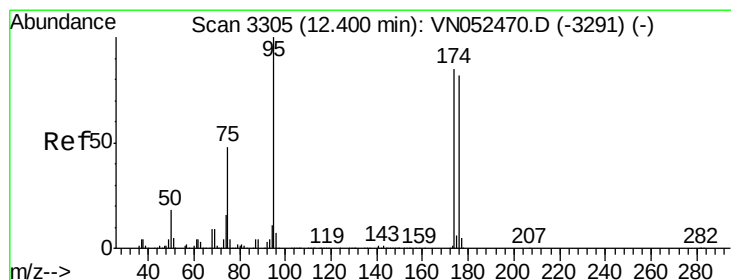
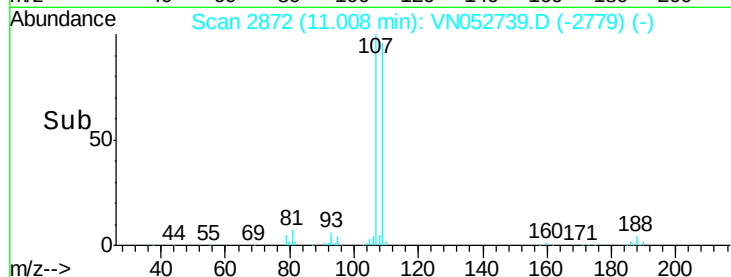
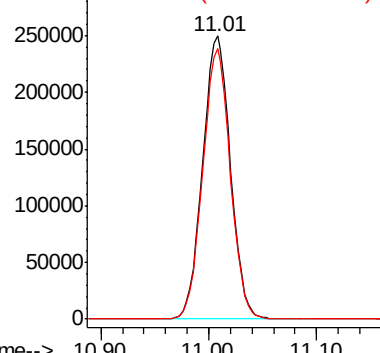
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.823 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

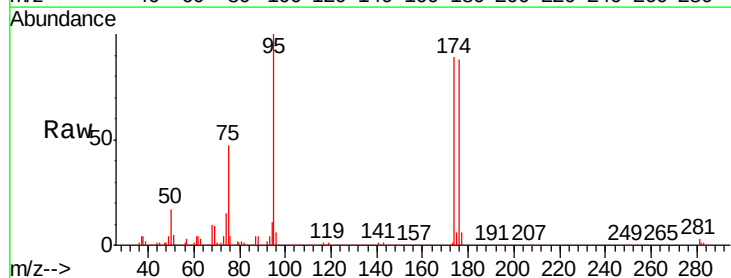
Tgt Ion: 95 Resp: 625202

Ion Ratio Lower Upper

95 100

174 89.1 0.0 173.0

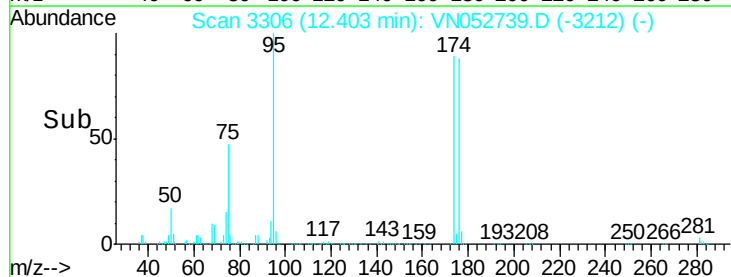
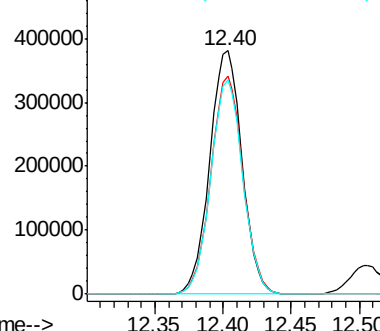
176 87.2 0.0 166.2

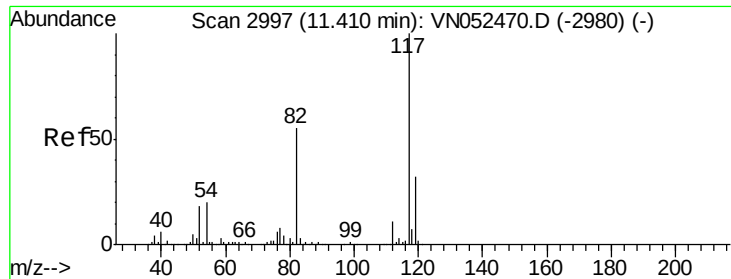


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





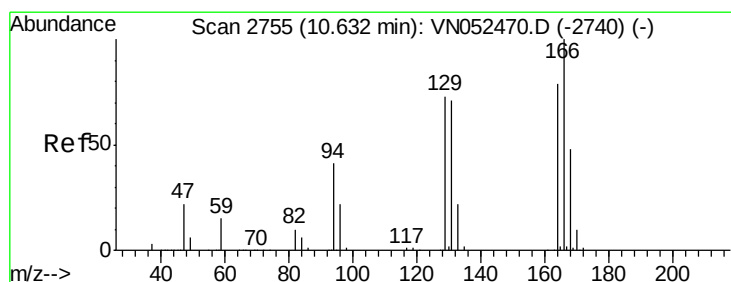
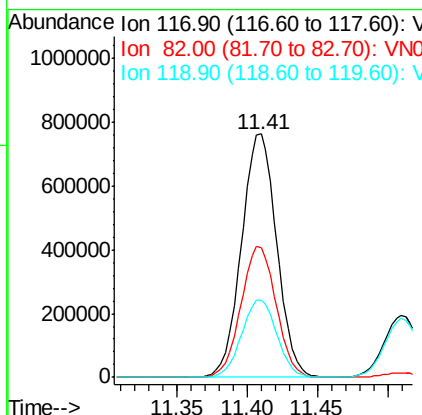
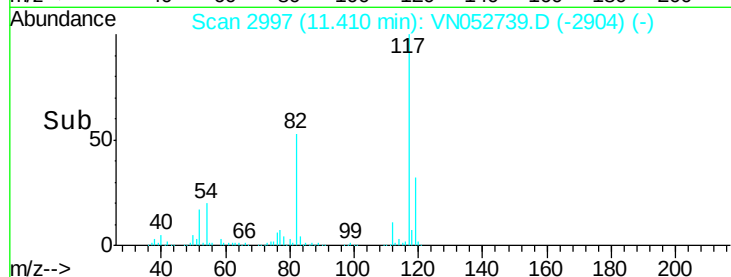
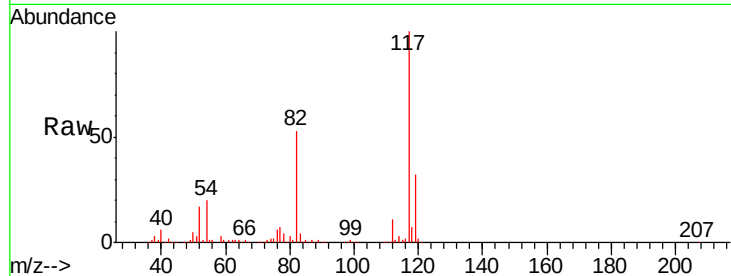
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 1333253
Ion Ratio Lower Upper
117 100
82 53.4 43.6 65.4
119 31.9 25.4 38.2

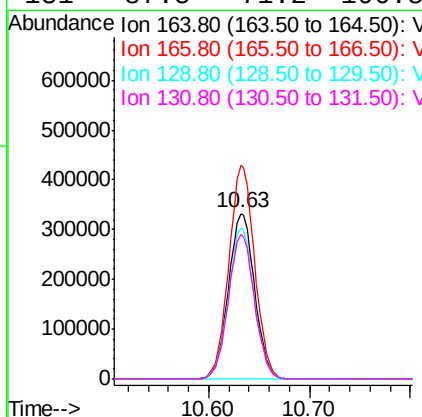
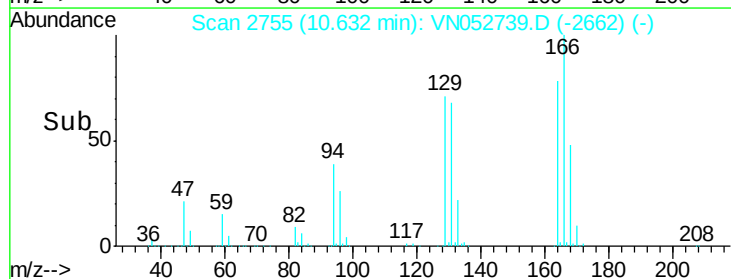
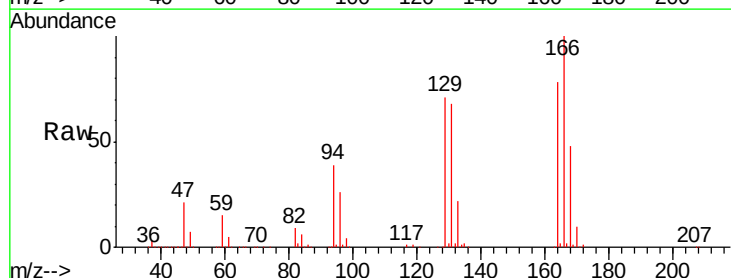
Manual Integrations
APPROVED

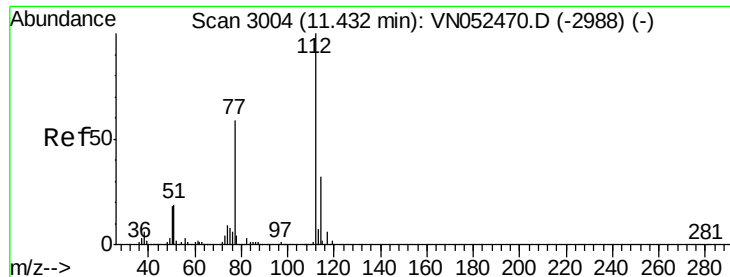
MMDadoda
12/10/2018 12:51:34 PM



#64
Tetrachloroethene
Concen: 57.983 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Tgt Ion:164 Resp: 599375
Ion Ratio Lower Upper
164 100
166 129.0 101.0 151.4
129 91.6 73.8 110.6
131 87.5 71.2 106.8





#65

Chlorobenzene

Concen: 49.798 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 1369028

Ion Ratio Lower Upper

112 100

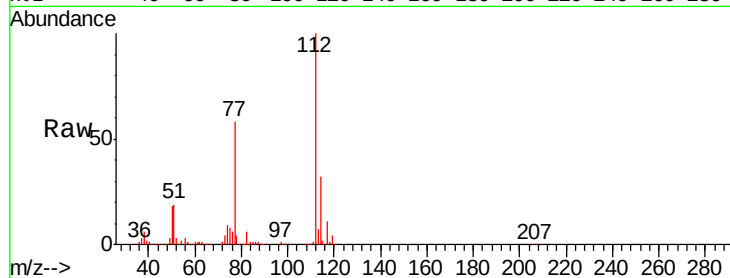
114 31.6 25.8 38.6

Manual Integrations

APPROVED

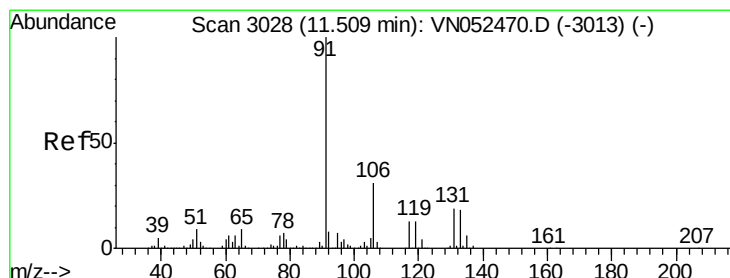
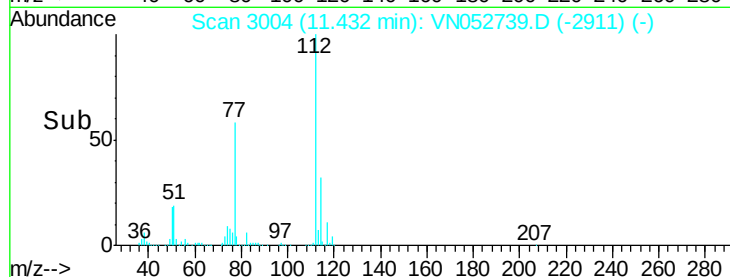
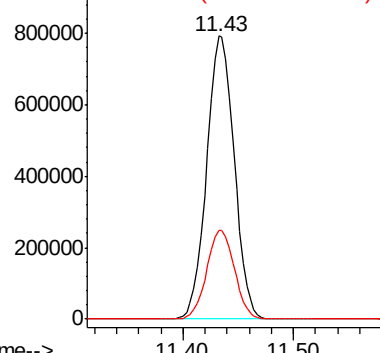
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.805 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

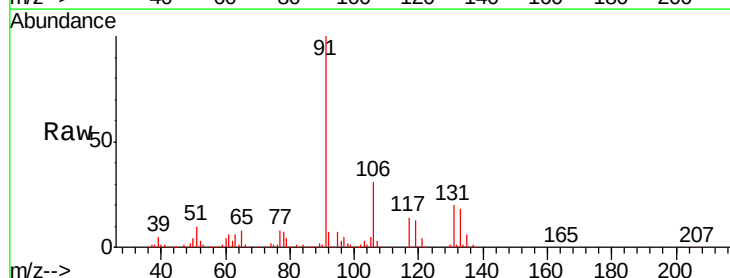
Tgt Ion:131 Resp: 485642

Ion Ratio Lower Upper

131 100

133 94.1 47.6 142.8

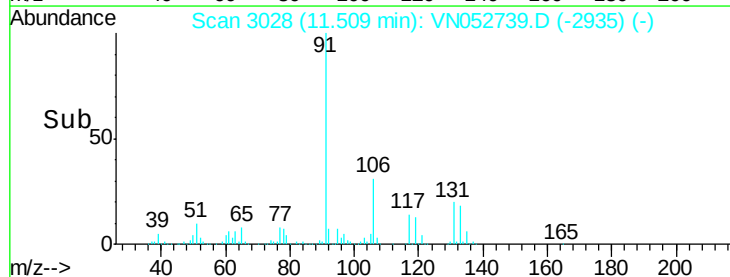
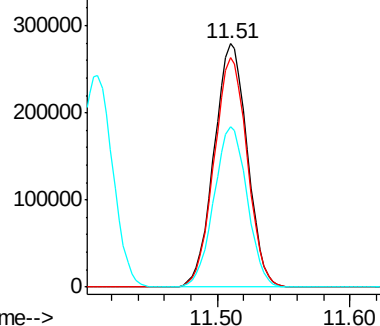
119 65.9 33.2 99.6

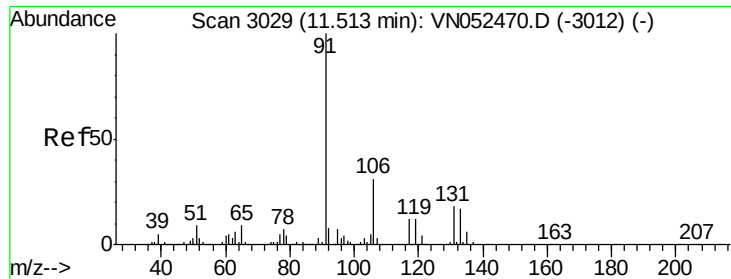


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





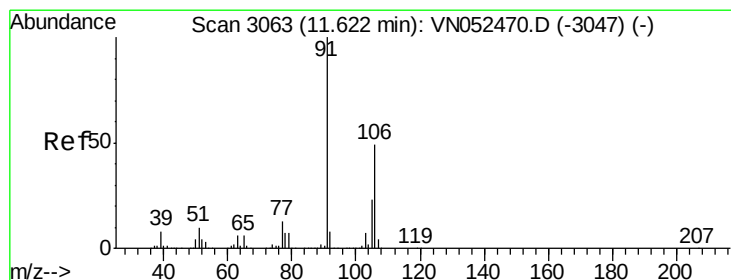
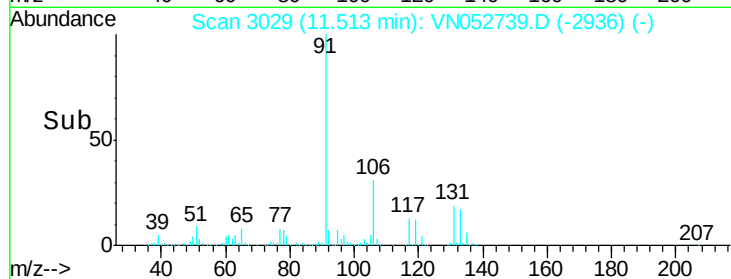
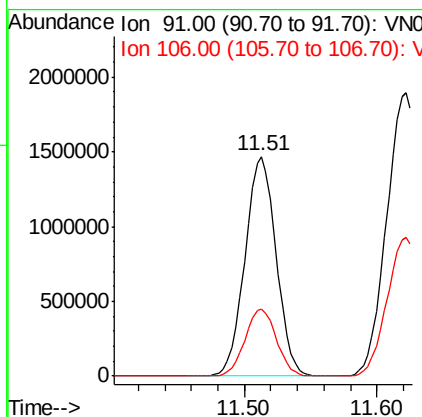
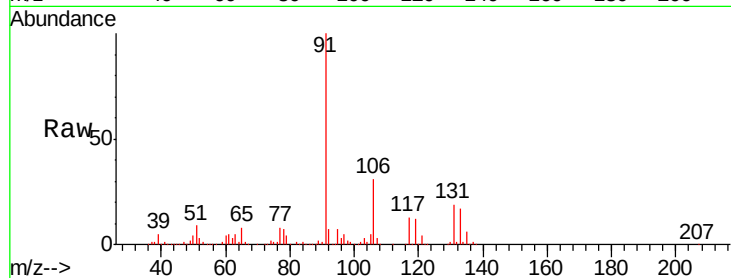
#67
Ethyl Benzene
Concen: 49.567 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 2386288
Ion Ratio Lower Upper
91 100
106 30.8 24.9 37.3

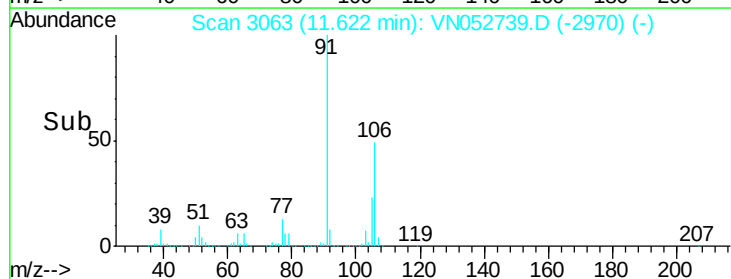
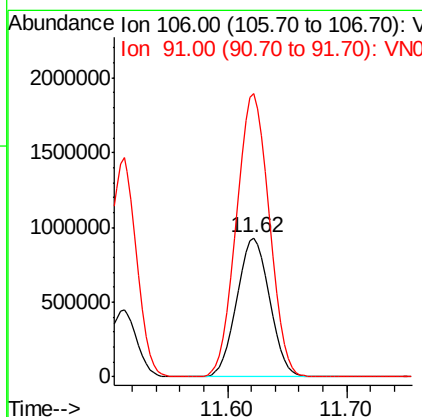
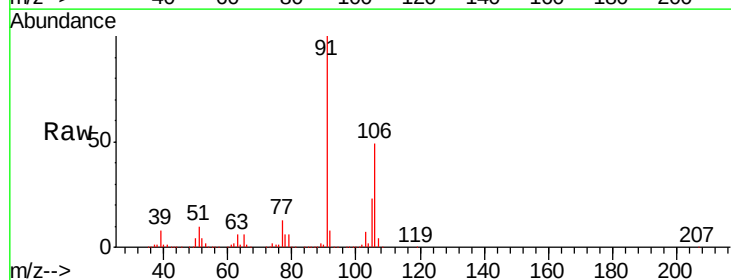
Manual Integrations
APPROVED

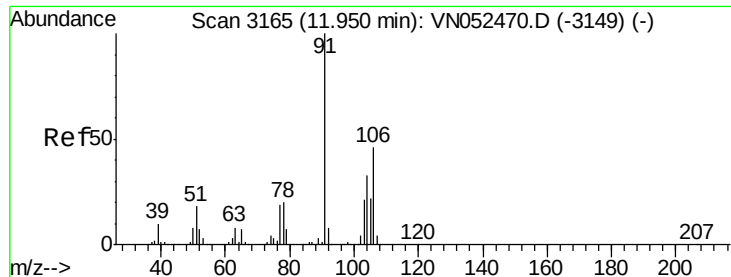
MMDadoda
12/10/2018 12:51:34 PM



#68
m/p-Xylenes
Concen: 99.123 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Tgt Ion: 106 Resp: 1776512
Ion Ratio Lower Upper
106 100
91 204.1 163.2 244.8





#69

o-Xylene

Concen: 50.292 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:106 Resp: 875291

Ion Ratio Lower Upper

106 100

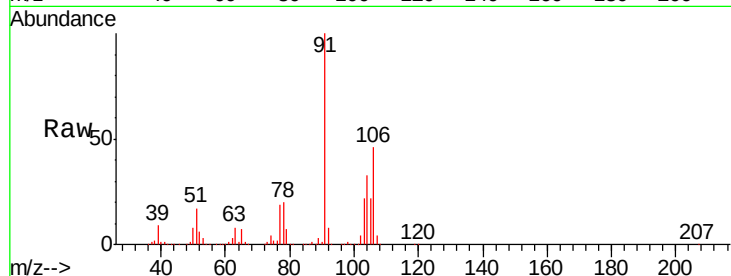
91 216.0 107.7 323.1

Manual Integrations

APPROVED

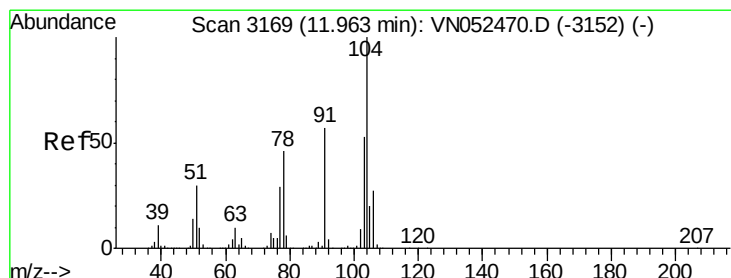
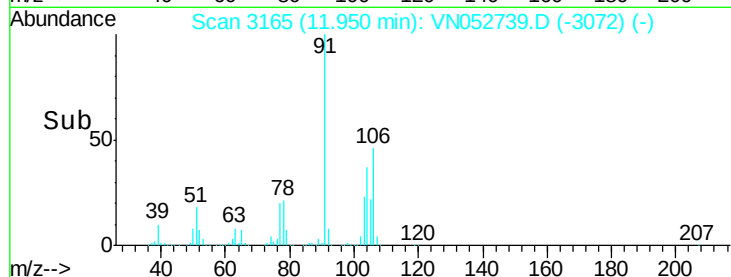
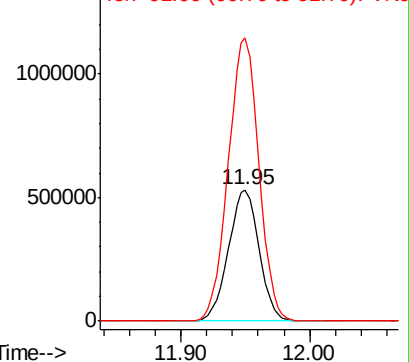
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 52.615 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

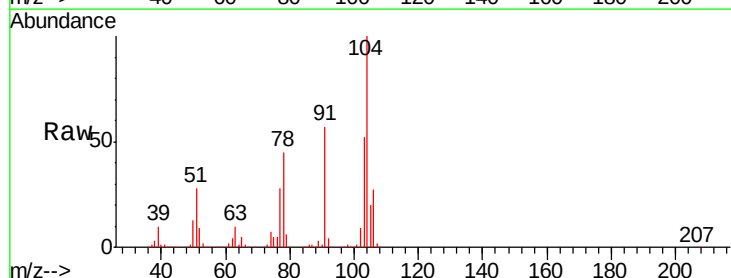
Tgt Ion:104 Resp: 1458501

Ion Ratio Lower Upper

104 100

78 48.8 39.4 59.2

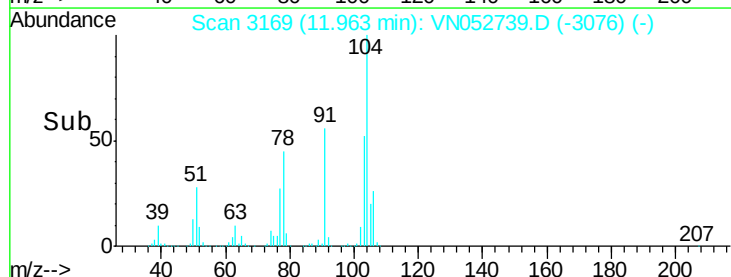
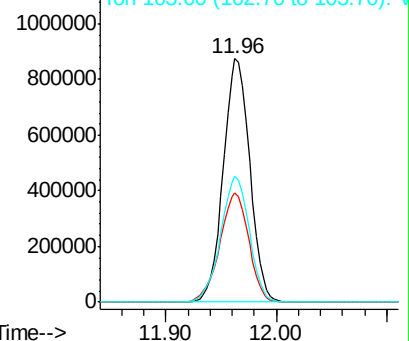
103 55.5 44.9 67.3

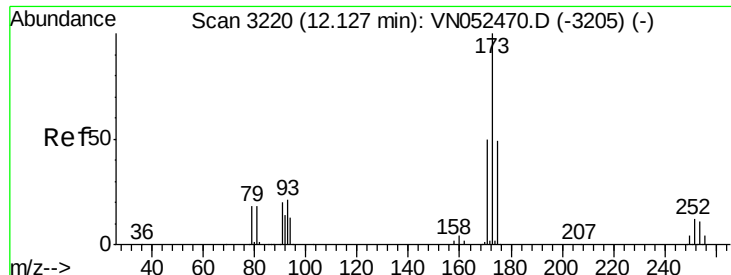


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





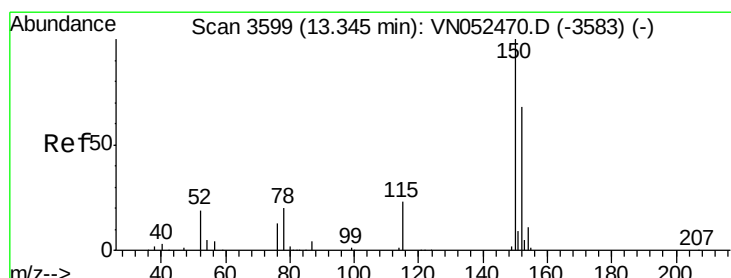
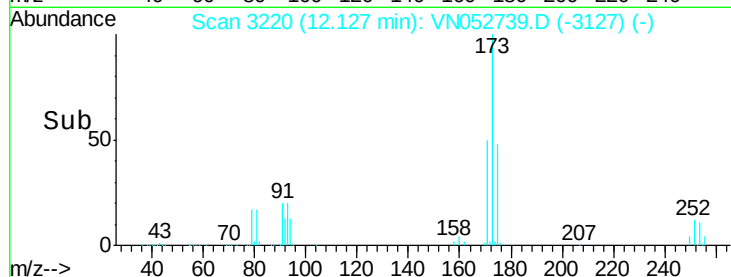
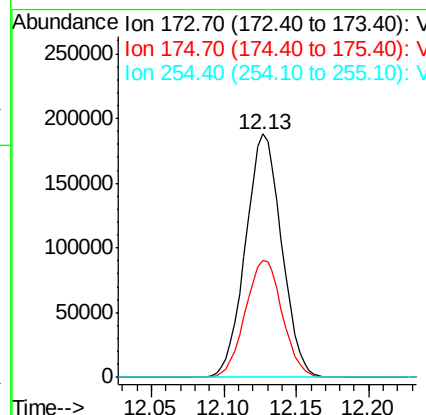
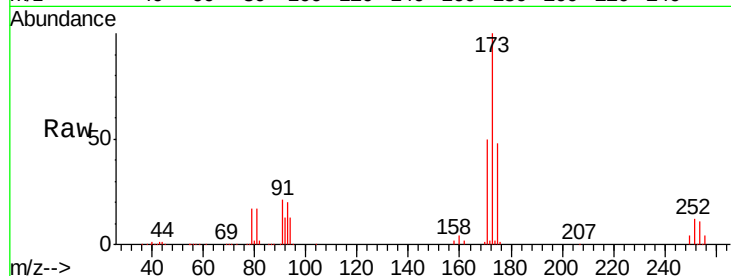
#71
Bromoform
Concen: 51.544 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	326231		
175	49.1	24.4	73.2	
254	0.2	0.1	0.1#	

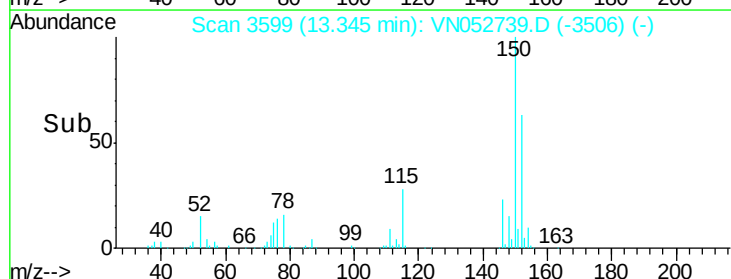
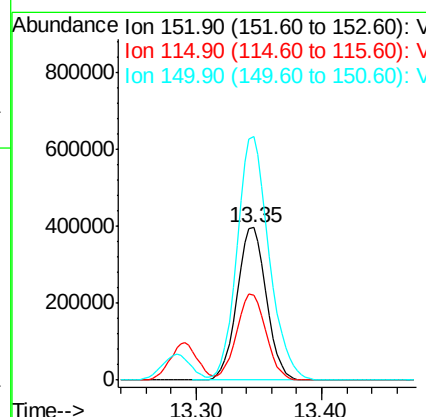
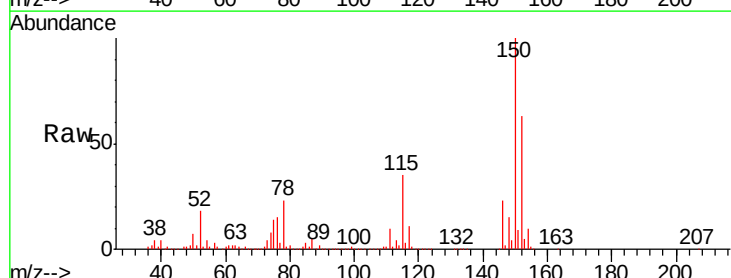
Manual Integrations
APPROVED

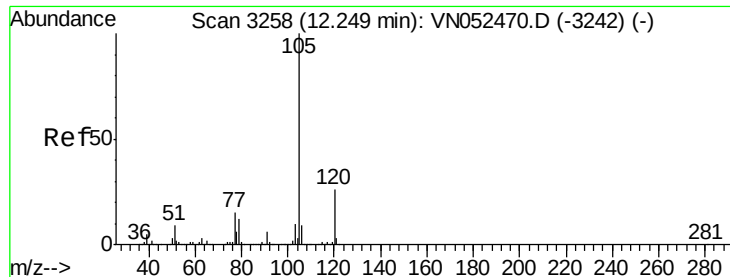
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	642813		
115	56.7	28.4	85.2	
150	174.1	0.0	346.0	





#73

Isopropylbenzene

Concen: 46.506 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 2345436

Ion Ratio Lower Upper

105 100

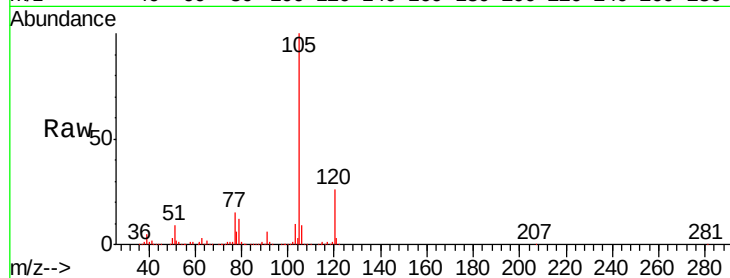
120 26.6 13.1 39.3

Manual Integrations

APPROVED

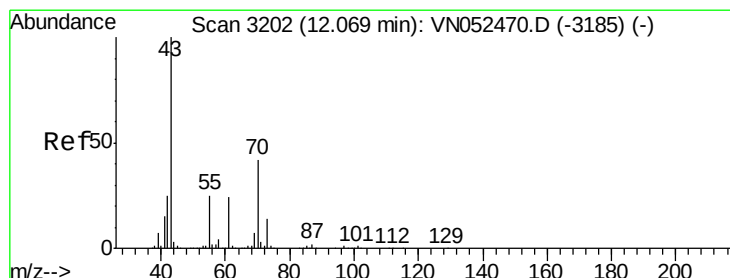
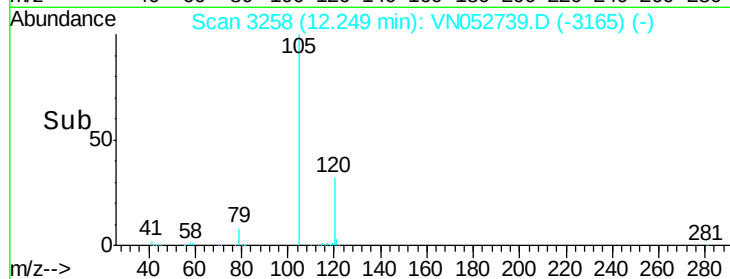
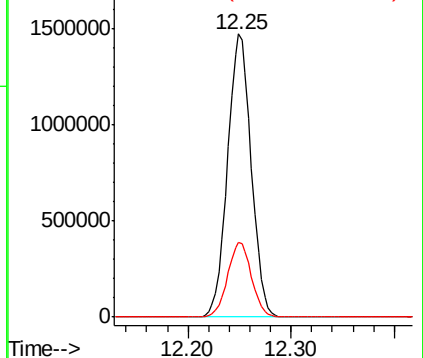
MMDadoda

12/10/2018 12:51:34 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.235 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Tgt Ion: 43 Resp: 716509

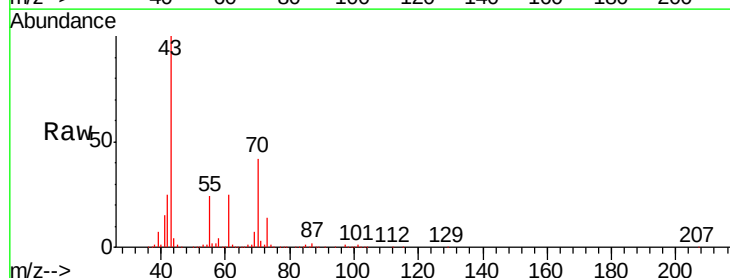
Ion Ratio Lower Upper

43 100

70 42.8 33.8 50.8

55 24.3 20.0 30.0

61 25.3 19.7 29.5

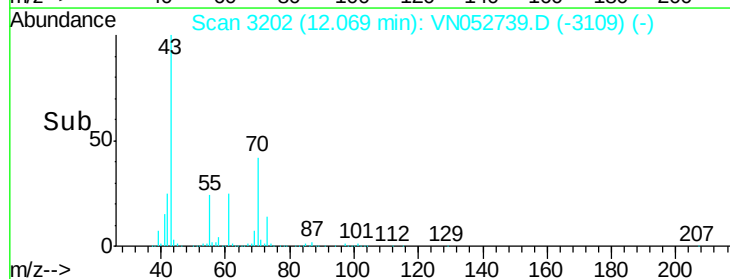
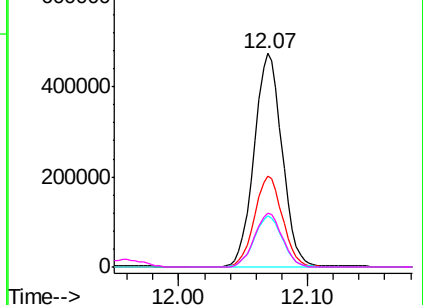


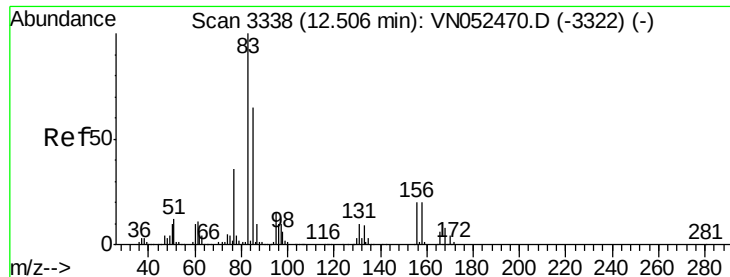
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 45.799 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 525419
Ion Ratio Lower Upper

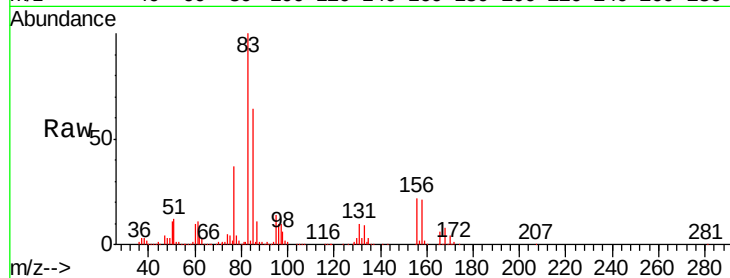
83 100

131 10.2 5.0 15.0

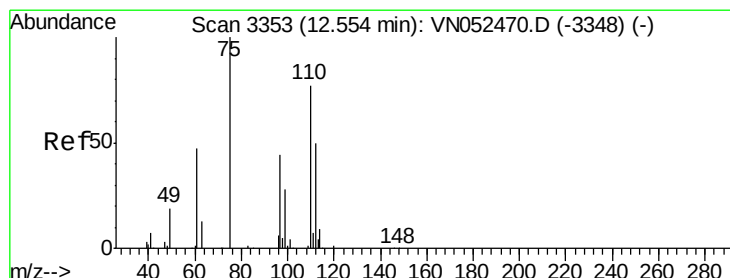
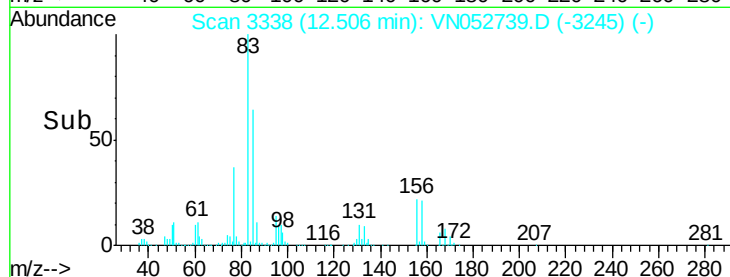
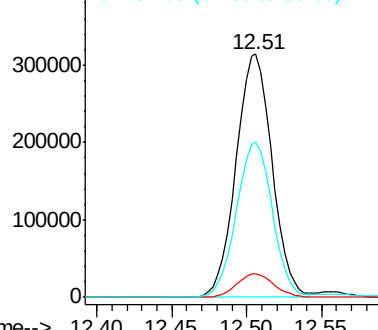
85 64.0 31.9 95.9

Manual Integrations
APPROVED

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



#76

1,2,3-Trichloropropane

Concen: 47.268 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

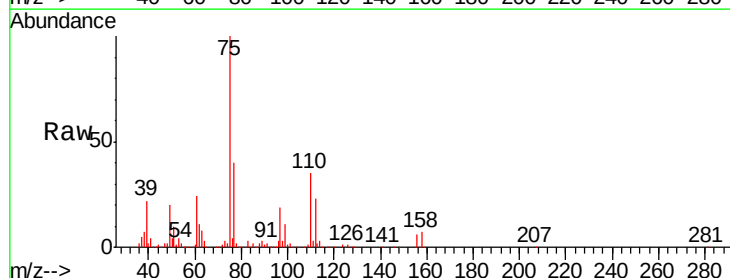
Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

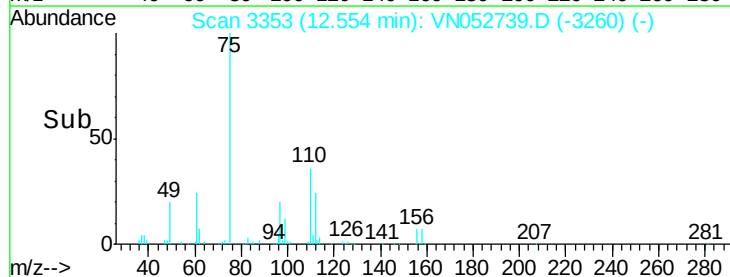
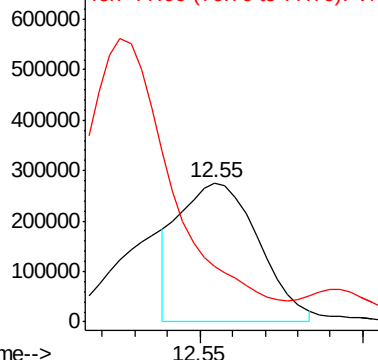
Tgt Ion: 75 Resp: 468542
Ion Ratio Lower Upper

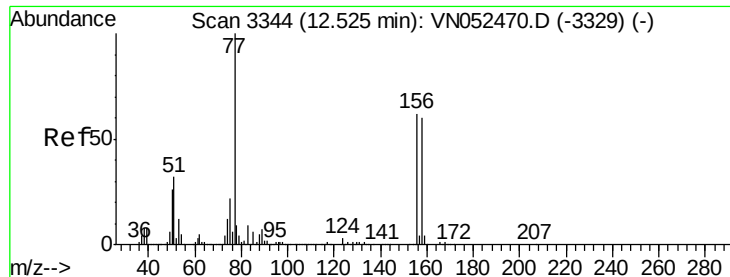
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 48.333 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Instrument :

MSVOA_N

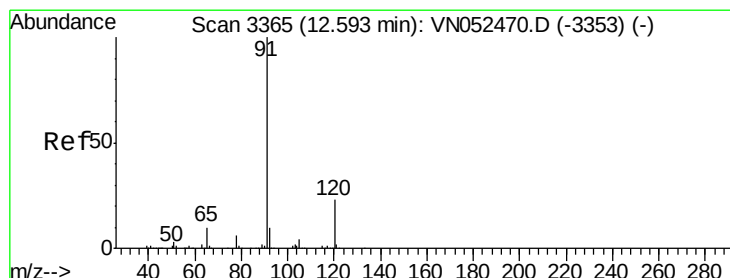
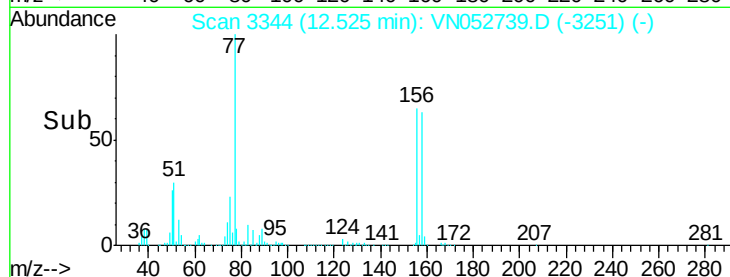
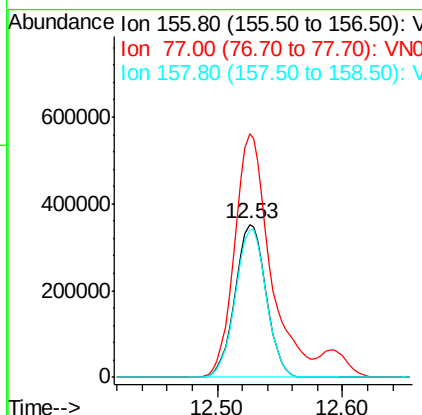
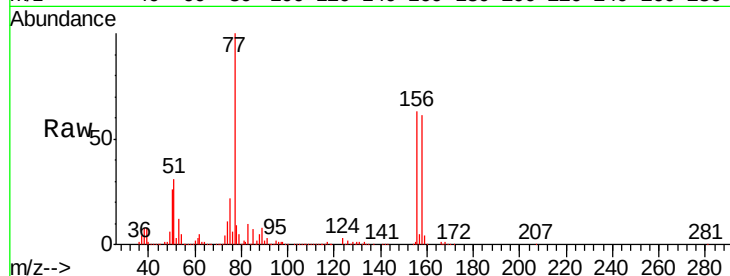
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	602502
Ion Ratio	Lower	Upper	
156	100		
77	183.8	93.5	280.4
158	97.3	48.3	144.9

Manual Integrations
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#78

n-propylbenzene

Concen: 47.197 ug/l

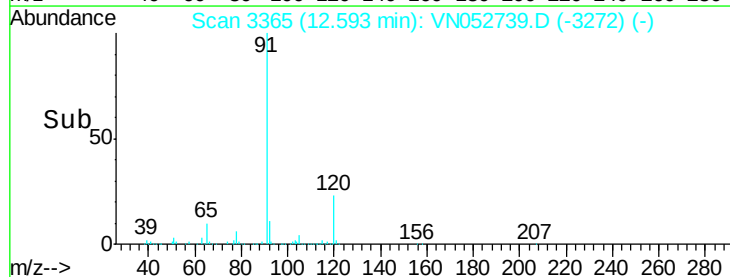
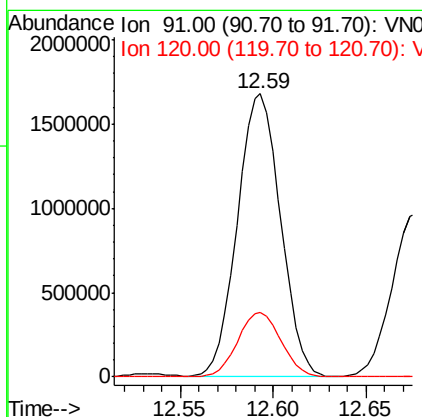
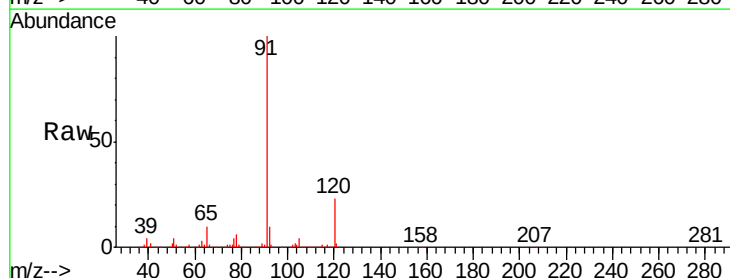
RT: 12.59 min Scan# 3365

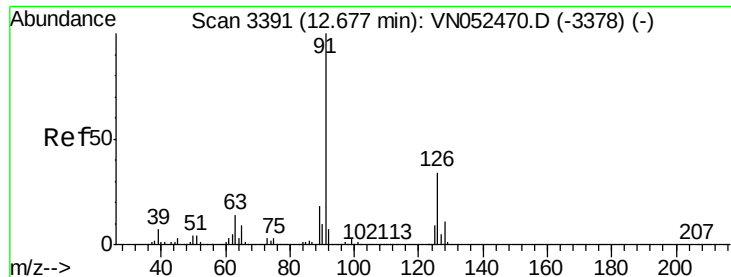
Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Tgt Ion:	91	Resp:	2704103
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.3	33.9





#79

2-Chlorotoluene

Concen: 46.514 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 1586993

Ion Ratio Lower Upper

91 100

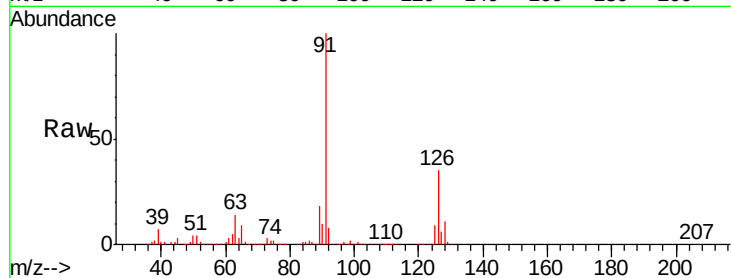
126 35.0 17.2 51.6

Manual Integrations

APPROVED

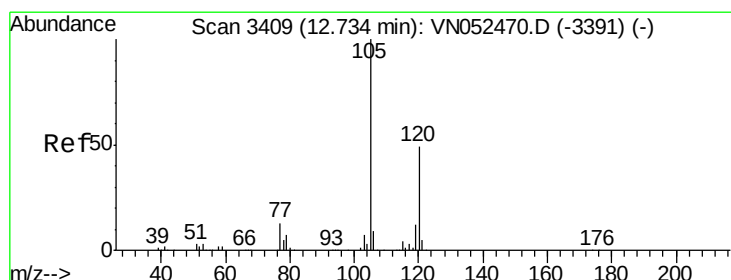
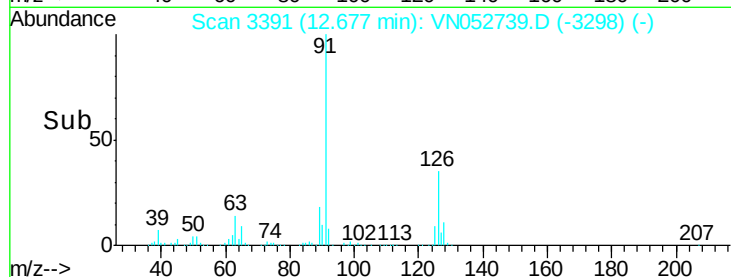
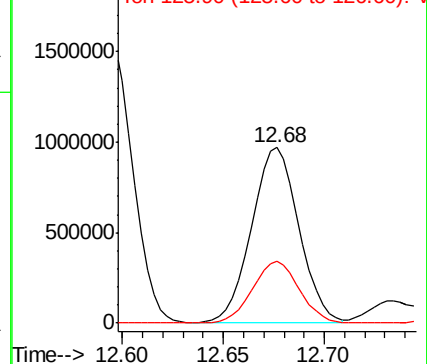
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN052739.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN052739.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.555 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052739.D

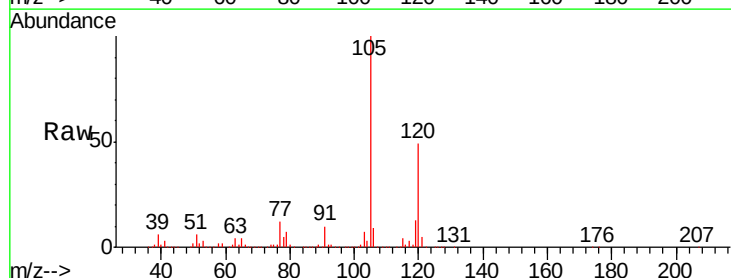
Acq: 7 Dec 2018 20:44

Tgt Ion: 105 Resp: 1912769

Ion Ratio Lower Upper

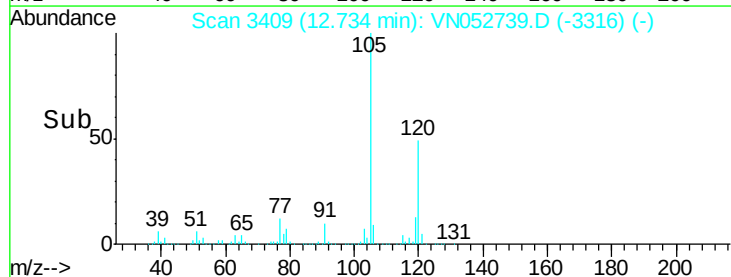
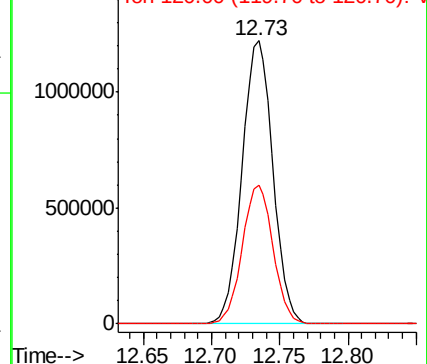
105 100

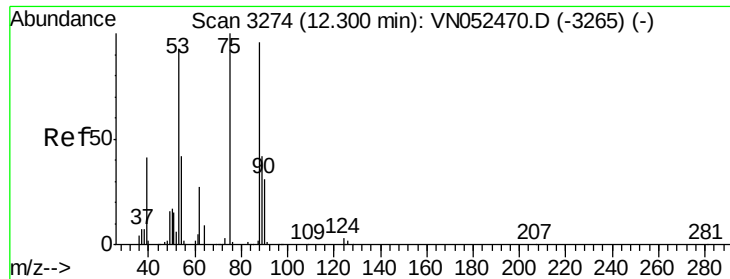
120 49.2 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052739.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN052739.D (-3316) (-)





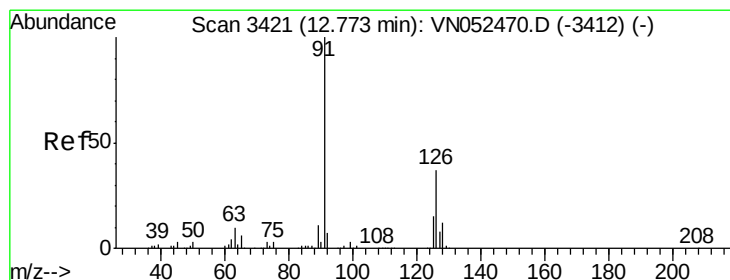
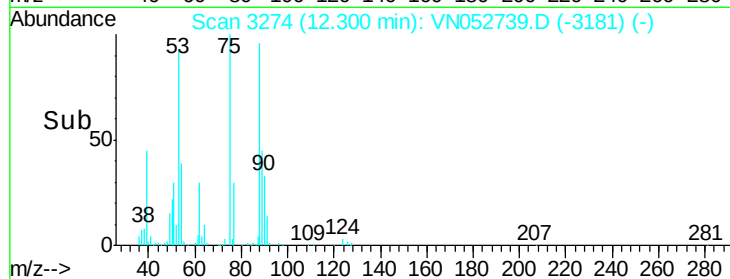
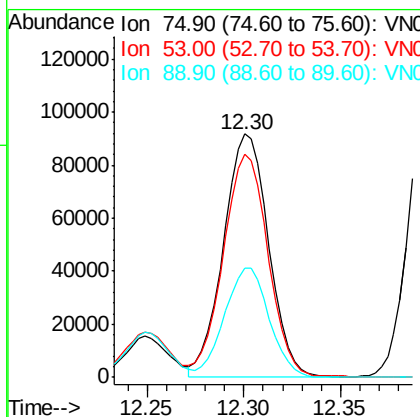
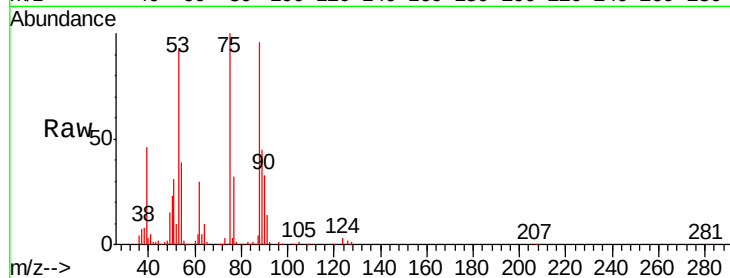
#81
trans-1,4-Dichloro-2-butene
Concen: 50.043 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
75	100		
53	91.8	77.4	116.0
89	44.4	35.4	53.2

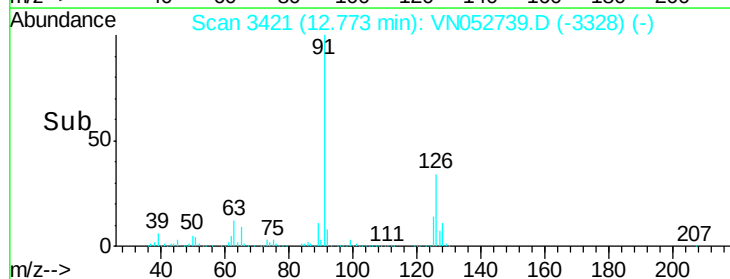
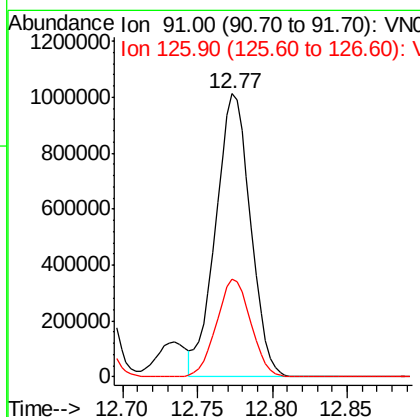
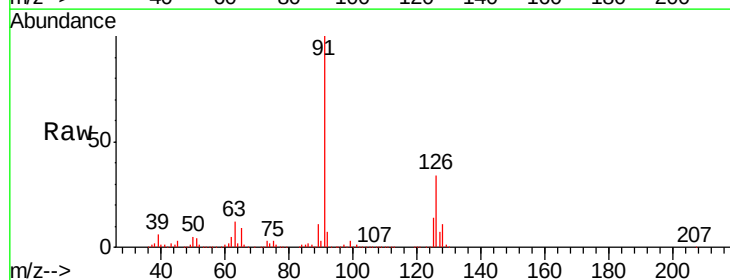
Manual Integrations
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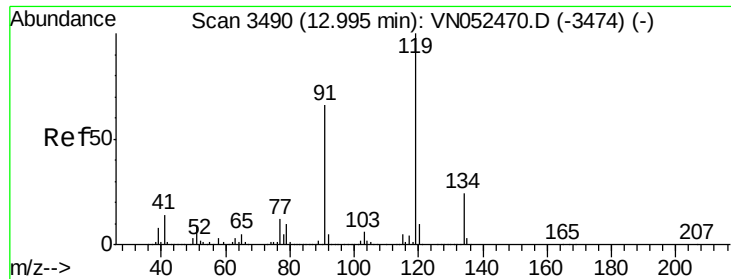
MMDadoda
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#82
4-Chlorotoluene
Concen: 47.579 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.9	50.6





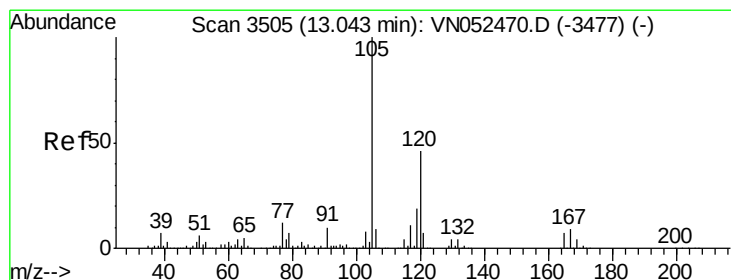
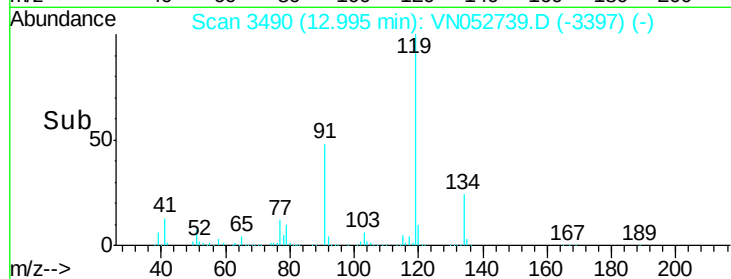
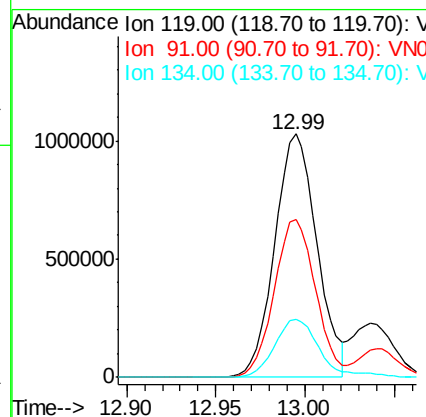
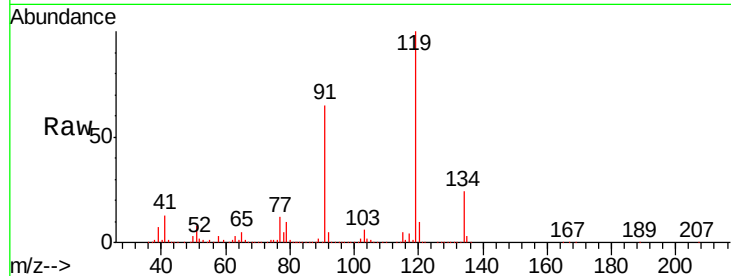
#83
 tert-Butylbenzene
 Concen: 47.316 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052739.D
 Acq: 7 Dec 2018 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.3	96.9
134	25.5	13.0	38.9

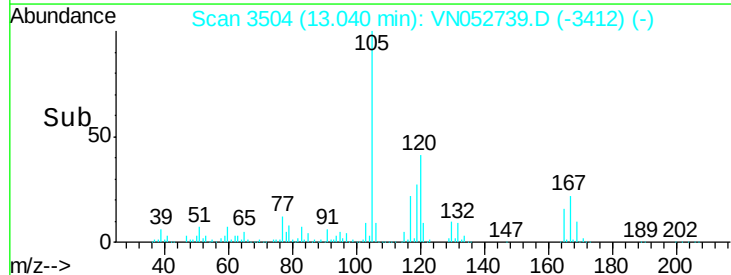
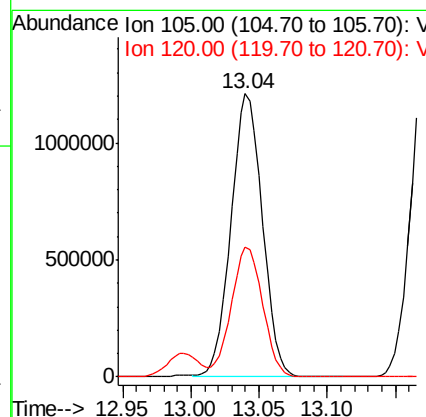
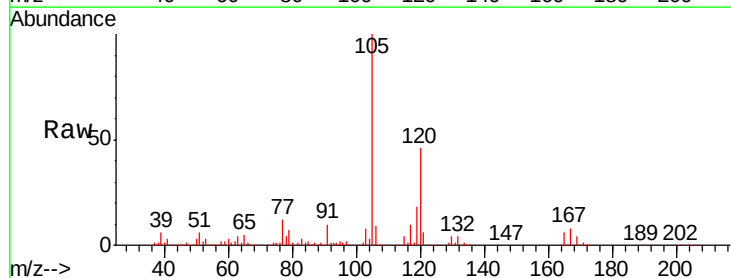
Manual Integrations
 APPROVED

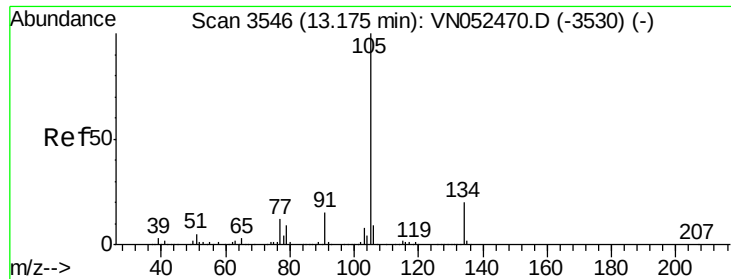
MMDadoda
 12/10/2018 12:51:34 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.866 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052739.D
 Acq: 7 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.8	68.4





#85

sec-Butylbenzene

Concen: 47.303 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 2310291

Ion Ratio Lower Upper

105 100

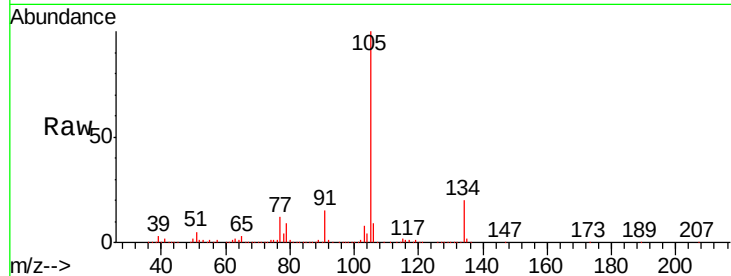
134 20.0 9.9 29.7

Manual Integrations

APPROVED

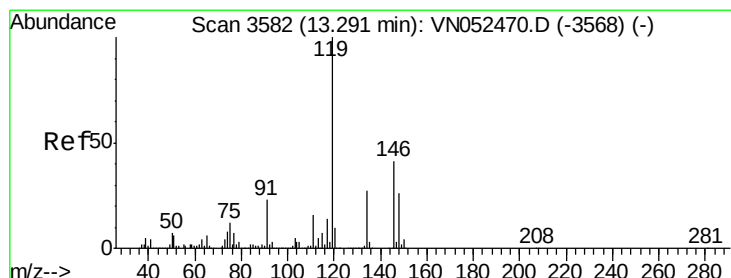
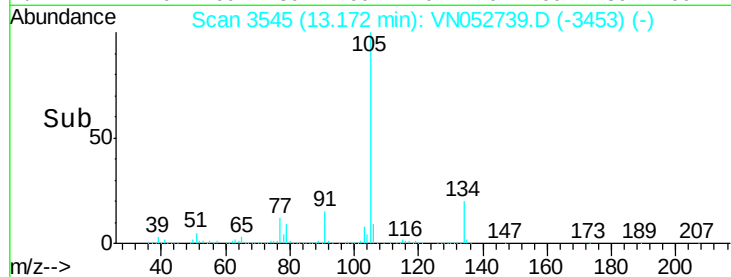
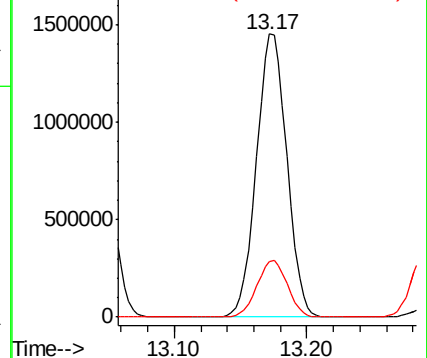
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.434 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

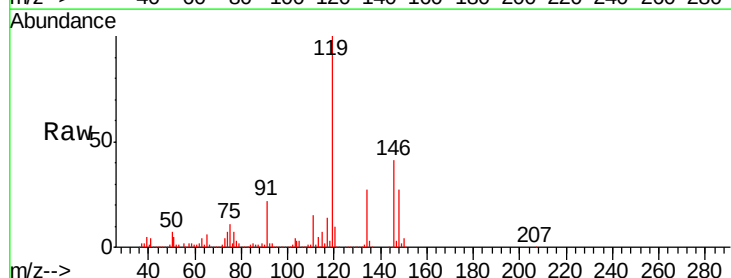
Tgt Ion:119 Resp: 2014777

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

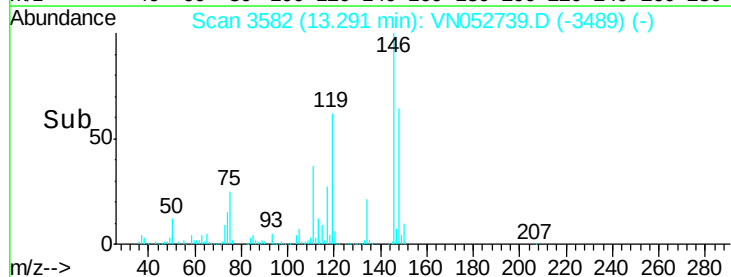
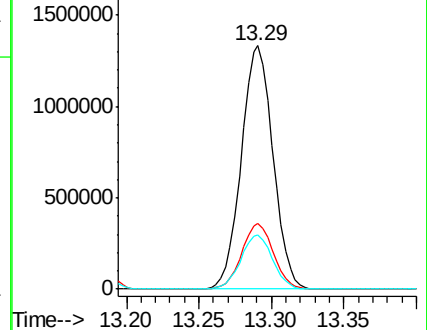
91 22.3 11.4 34.2

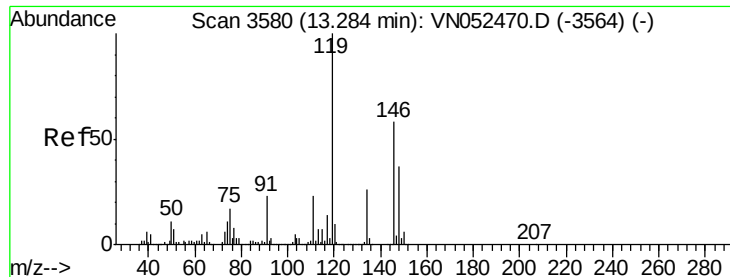


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.414 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

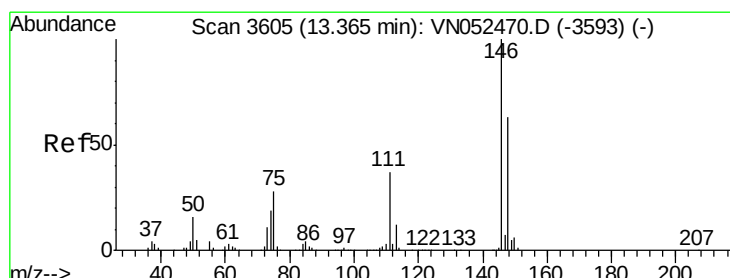
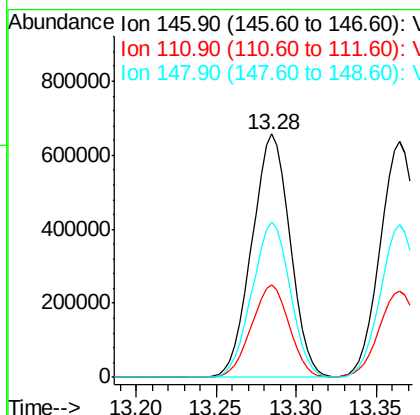
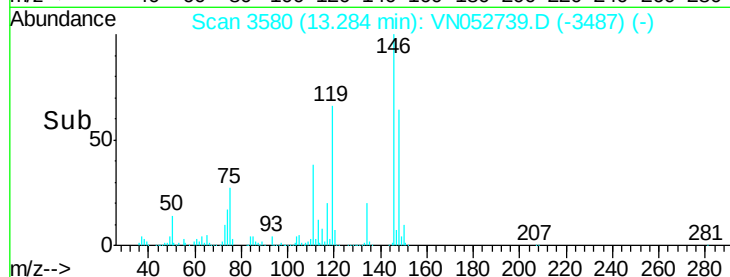
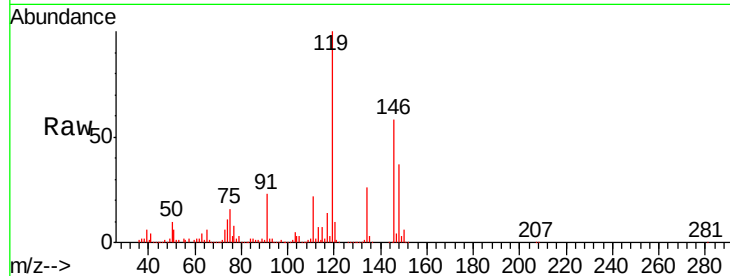
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 1077471

Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.4	58.4
148	64.0	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.296 ug/l

RT: 13.36 min Scan# 3605

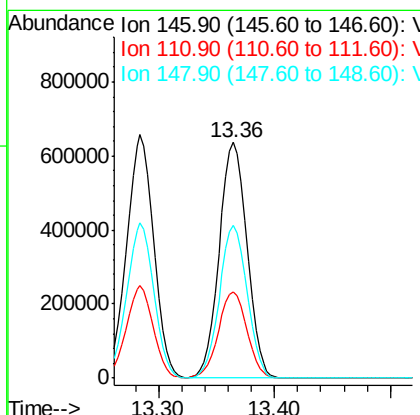
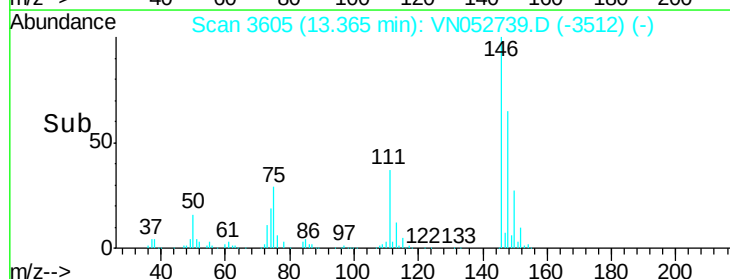
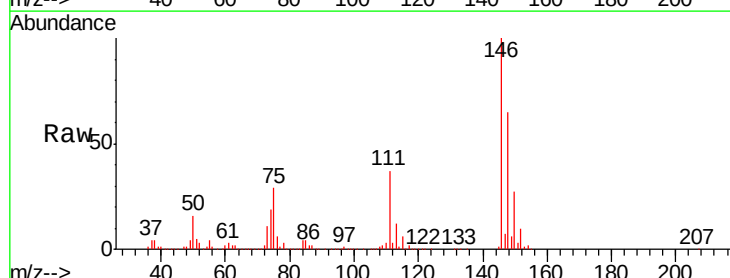
Delta R.T. 0.00 min

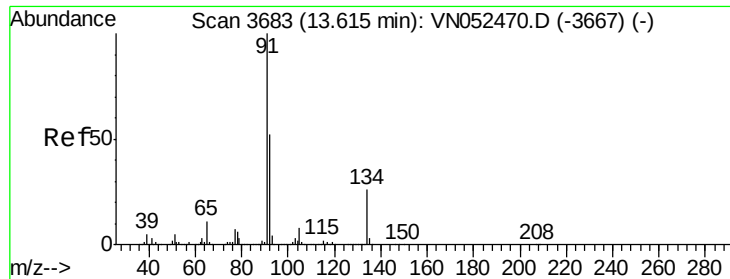
Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Tgt Ion:146 Resp: 1058785

Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	56.0
148	64.5	31.9	95.9





#89

n-Butylbenzene

Concen: 50.042 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052739.D

Acq: 7 Dec 2018 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 1731223

Ion Ratio Lower Upper

91 100

92 52.5 26.1 78.3

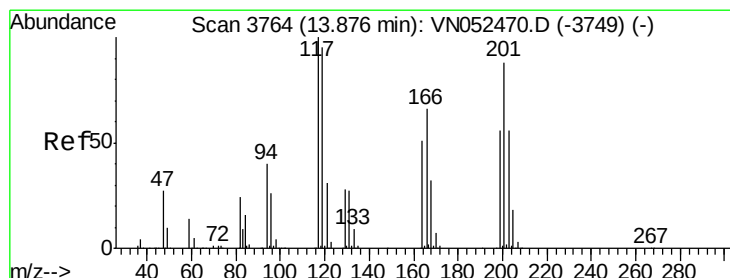
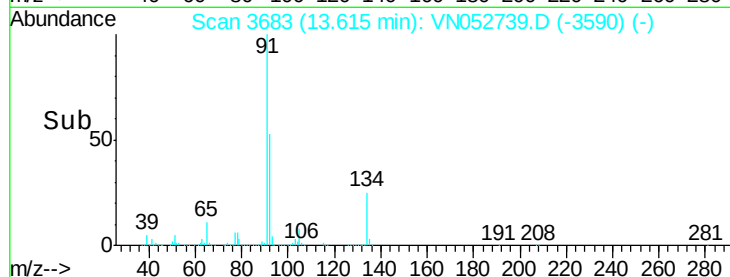
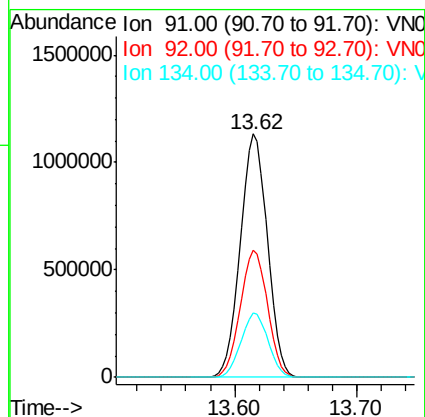
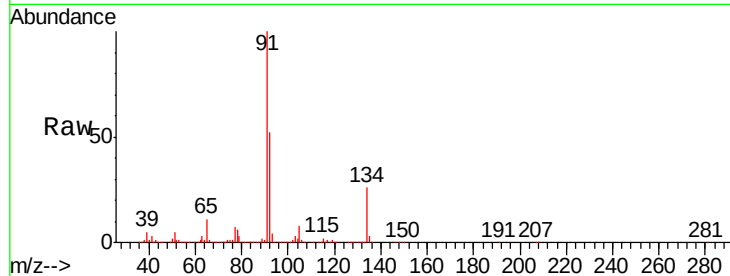
134 26.4 13.0 38.9

Manual Integrations

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#90

Hexachloroethane

Concen: 44.398 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052739.D

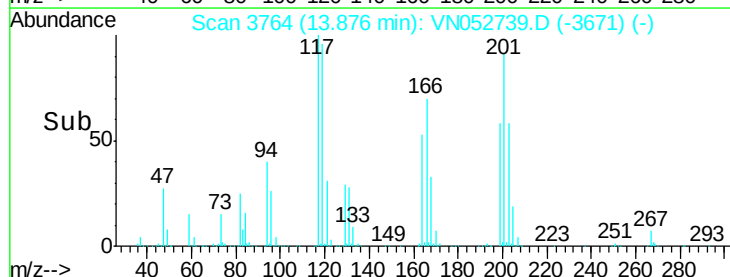
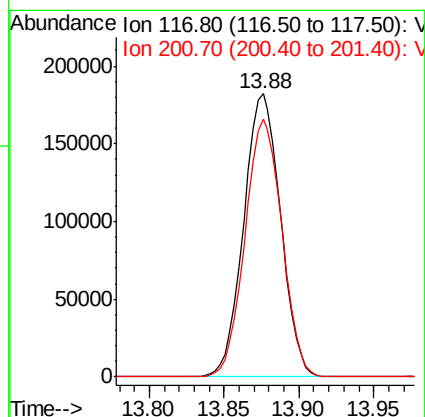
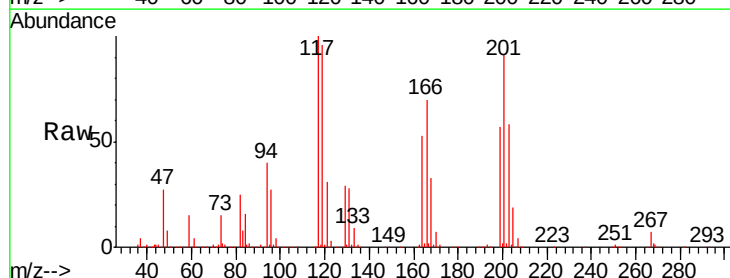
Acq: 7 Dec 2018 20:44

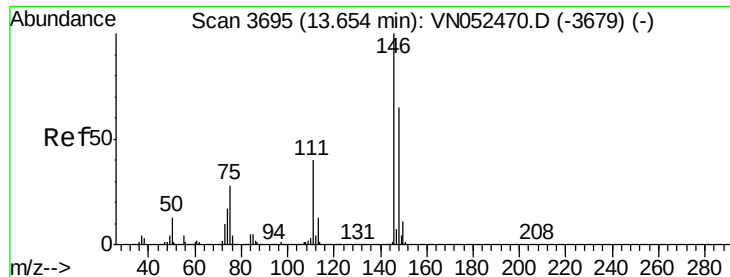
Tgt Ion: 117 Resp: 312720

Ion Ratio Lower Upper

117 100

201 91.0 43.6 130.9





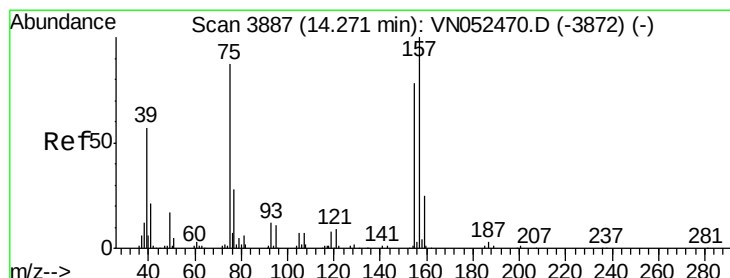
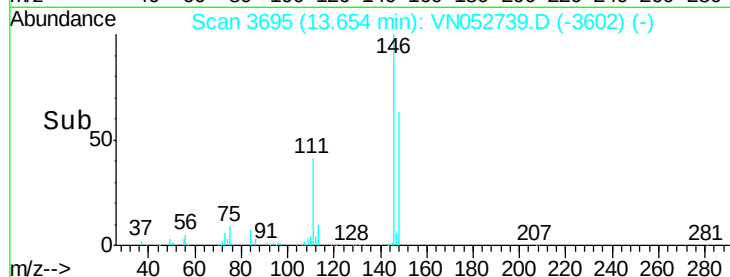
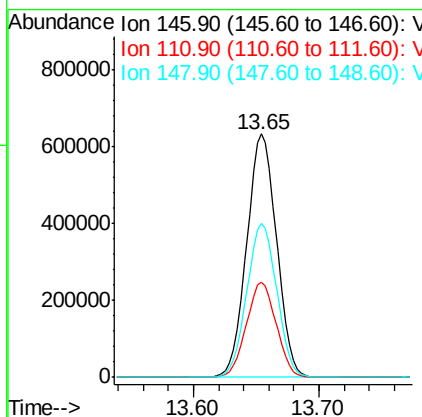
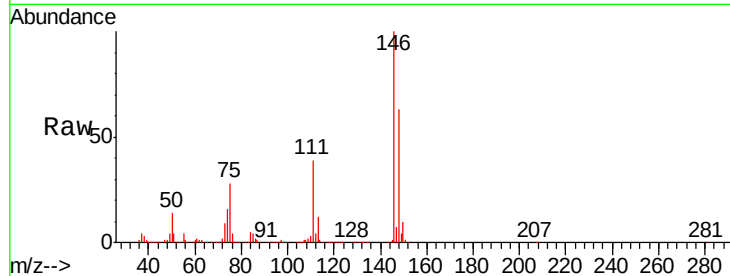
#91
 1,2-Dichlorobenzene
 Concen: 50.273 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052739.D
 Acq: 7 Dec 2018 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.0	60.0
148	63.6	32.0	96.2

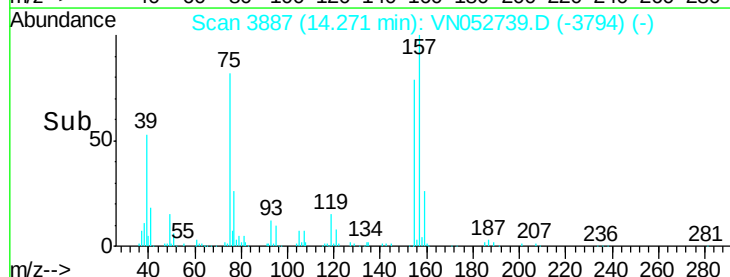
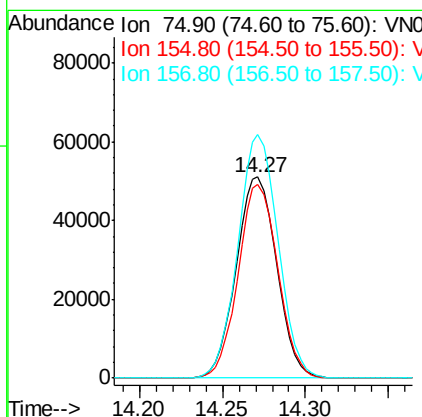
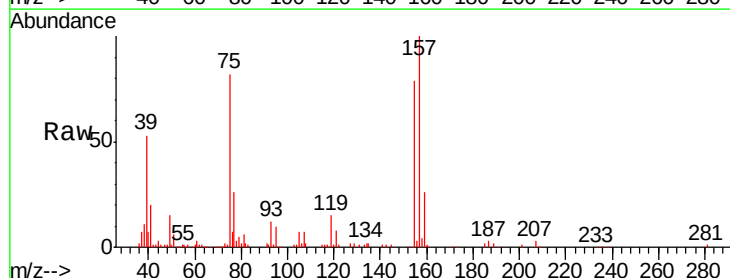
Manual Integrations
 APPROVED

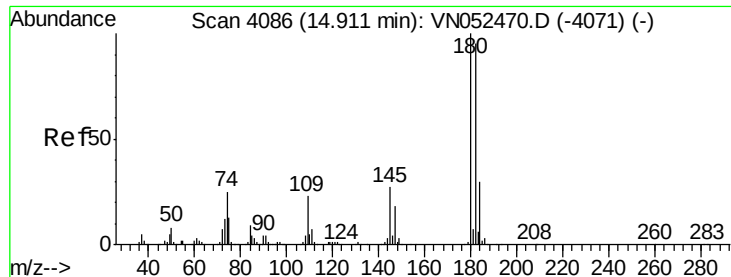
MMDadoda
 12/10/2018 12:51:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.072 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052739.D
 Acq: 7 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	45.3	135.9
157	120.0	58.1	174.2





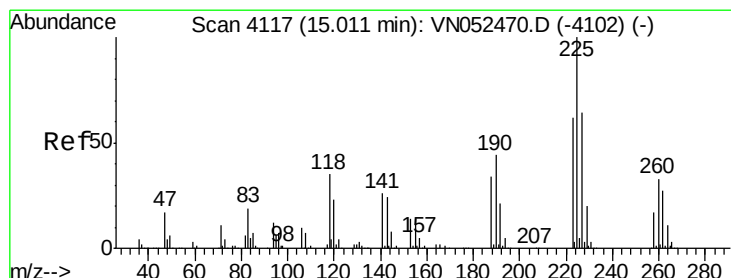
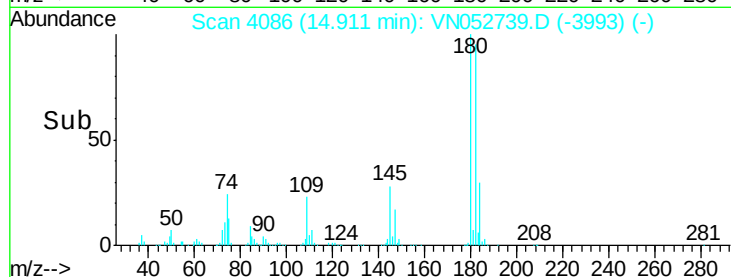
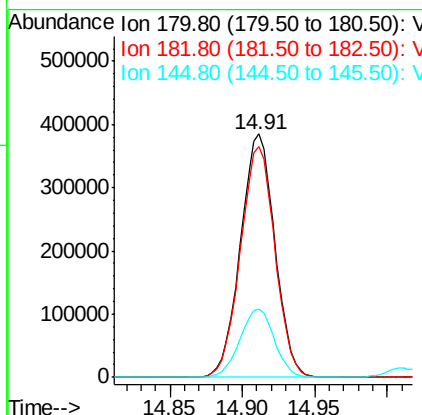
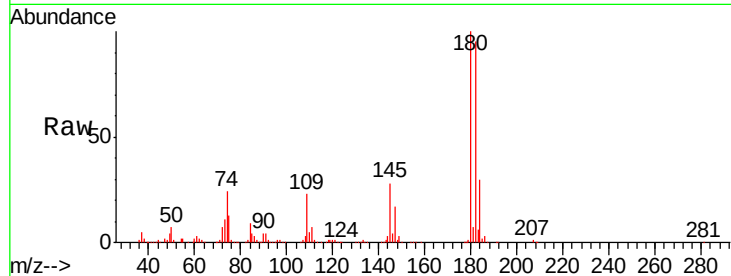
#93
1,2,4-Trichlorobenzene
Concen: 55.229 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	633860		
182	95.3	47.8	143.4	
145	28.4	14.1	42.3	

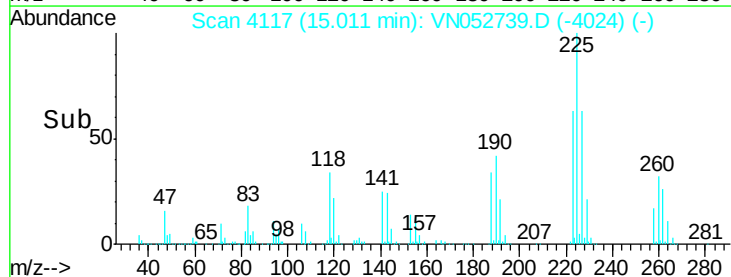
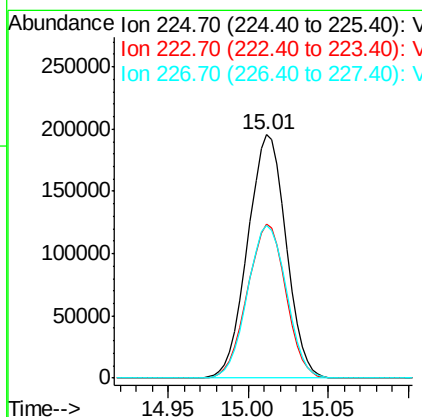
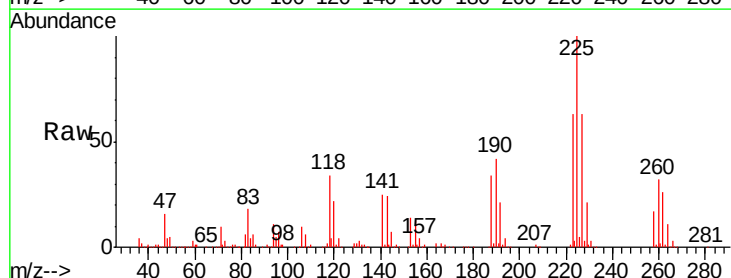
Manual Integrations
APPROVED

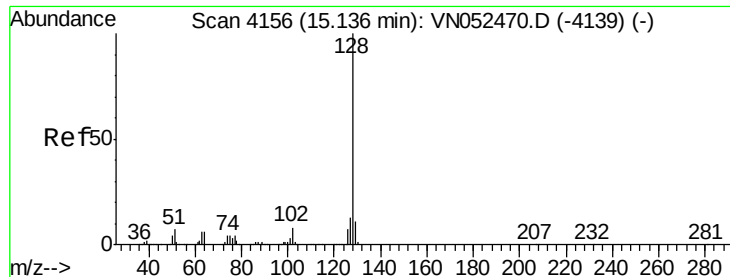
MMDadoda
12/10/2018 12:51:34 PM



#94
Hexachlorobutadiene
Concen: 47.997 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	321673		
223	63.2	31.4	94.2	
227	63.6	32.5	97.4	





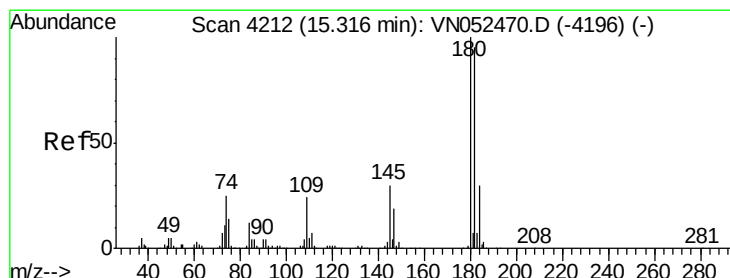
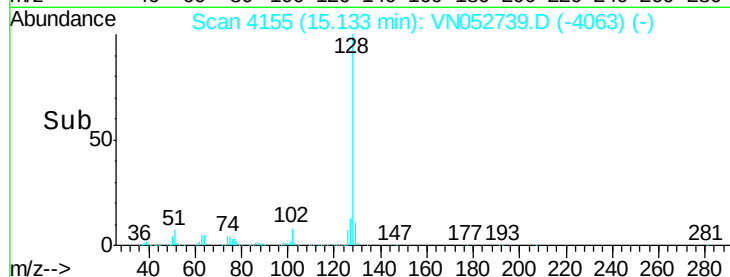
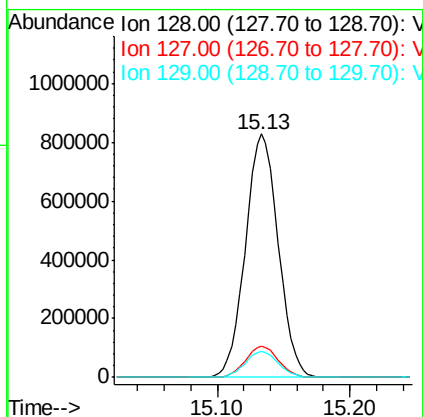
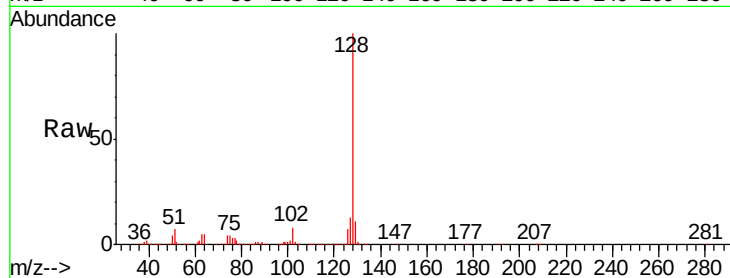
#95
Naphthalene
Concen: 58.065 ug/l
RT: 15.13 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/10/2018 12:51:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 55.131 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052739.D
Acq: 7 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.8	143.3
145	30.2	15.2	45.5

