

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121118\
 Data File : VN052815.D
 Acq On : 11 Dec 2018 21:03
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 11:33:41 AM

Quant Time: Dec 12 02:47:59 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	890748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1377502	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1244219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	607482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	504964	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
35) Dibromofluoromethane	7.59	113	404507	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
50) Toluene-d8	10.09	98	1743865	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
62) 4-Bromofluorobenzene	12.40	95	618573	55.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	333696	40.010	ug/l	98
3) Chloromethane	2.06	50	442021	40.150	ug/l	100
4) Vinyl Chloride	2.19	62	463195	40.957	ug/l	99
5) Bromomethane	2.57	94	259425	36.764	ug/l	99
6) Chloroethane	2.71	64	290513	42.408	ug/l	98
7) Trichlorofluoromethane	3.02	101	639174	46.011	ug/l	100
8) Diethyl Ether	3.41	74	251230	48.972	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	404778	46.696	ug/l	99
10) Methyl Iodide	3.96	142	527842	45.719	ug/l	99
11) Tert butyl alcohol	4.78	59	144206	297.001	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	380457	45.597	ug/l	98
13) Acrolein	3.61	56	235619	279.212	ug/l	99
14) Allyl chloride	4.33	41	661720	46.014	ug/l	99
15) Acrylonitrile	4.99	53	805579	262.102	ug/l	99
16) Acetone	3.82	43	543067	212.292	ug/l	98
17) Carbon Disulfide	4.06	76	942504	35.894	ug/l	100
18) Methyl Acetate	4.33	43	426009	58.057	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1156137	52.078	ug/l	99
20) Methylene Chloride	4.55	84	456015	45.553	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	408452	45.834	ug/l	96
22) Diisopropyl ether	5.95	45	1465180	48.504	ug/l	98
23) Vinyl Acetate	5.90	43	4388823	233.264	ug/l	98
24) 1,1-Dichloroethane	5.85	63	832610	48.274	ug/l	99
25) 2-Butanone	6.83	43	900509	248.358	ug/l	96
26) 2,2-Dichloropropane	6.83	77	562212	47.094	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	503777	48.530	ug/l	97
28) Bromochloromethane	7.19	49	384638	48.826	ug/l	96
29) Tetrahydrofuran	7.21	42	596788	255.184	ug/l	98
30) Chloroform	7.37	83	826224	48.015	ug/l	99
31) Cyclohexane	7.65	56	700866	41.925	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	675440	49.542	ug/l	98
36) 1,1-Dichloropropene	7.80	75	597064	45.899	ug/l	98
37) Ethyl Acetate	6.93	43	396269	49.916	ug/l	99
38) Carbon Tetrachloride	7.78	117	571884	48.564	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	698015	44.148	ug/l	98
40) Benzene	8.04	78	1866796	48.155	ug/l	100
41) Methacrylonitrile	7.17	41	233290	53.751	ug/l	95
42) 1,2-Dichloroethane	8.13	62	581125	49.508	ug/l	99
43) Isopropyl Acetate	8.16	43	766495	57.053	ug/l	97
44) Trichloroethene	8.84	130	496624	50.012	ug/l	100
45) 1,2-Dichloropropane	9.12	63	511564	49.635	ug/l	99
46) Dibromomethane	9.21	93	293039	51.360	ug/l	98
47) Bromodichloromethane	9.40	83	631835	50.934	ug/l	99
48) Methyl methacrylate	9.20	41	365058	52.112	ug/l	97
49) 1,4-Dioxane	9.20	88	84720	1165.291	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	2062743	273.651	ug/l	99
52) Toluene	10.16	92	1161495	50.427	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	630170	52.805	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	734229	51.341	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	433630	53.522	ug/l	97
56) Ethyl methacrylate	10.43	69	573507	50.924	ug/l	98
57) 1,3-Dichloropropane	10.71	76	730857	51.088	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1584241	269.476	ug/l	98
59) 2-Hexanone	10.75	43	1400760	276.882	ug/l	99
60) Dibromochloromethane	10.90	129	474766	53.953	ug/l	99
61) 1,2-Dibromoethane	11.01	107	420853	52.300	ug/l	100
64) Tetrachloroethene	10.63	164	539146	55.889	ug/l	98
65) Chlorobenzene	11.43	112	1283867	50.042	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	466161	52.257	ug/l	100
67) Ethyl Benzene	11.51	91	2231522	49.669	ug/l	100
68) m/p-Xylenes	11.62	106	1675260	100.162	ug/l	100
69) o-Xylene	11.95	106	829099	51.047	ug/l	99
70) Styrene	11.96	104	1381059	53.386	ug/l	99
71) Bromoform	12.13	173	327585	55.461	ug/l #	99
73) Isopropylbenzene	12.25	105	2227913	46.745	ug/l	99
74) N-amyl acetate	12.07	43	652498	54.190	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	512982	47.315	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	446905m	47.707	ug/l	
77) Bromobenzene	12.53	156	569951	48.381	ug/l	97
78) n-propylbenzene	12.59	91	2551576	47.125	ug/l	99
79) 2-Chlorotoluene	12.68	91	1506918	46.736	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1806718	47.531	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	140680	50.152	ug/l	99
82) 4-Chlorotoluene	12.77	91	1536961	47.297	ug/l	99
83) tert-Butylbenzene	12.99	119	1603364	47.315	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1841173	48.333	ug/l	100
85) sec-Butylbenzene	13.17	105	2184975	47.339	ug/l	99
86) p-Isopropyltoluene	13.29	119	1890190	48.082	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1020076	49.503	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	999194	49.227	ug/l	100
89) n-Butylbenzene	13.62	91	1594302	48.765	ug/l	100
90) Hexachloroethane	13.88	117	315690	47.427	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	990267	50.299	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	81277	52.416	ug/l	93

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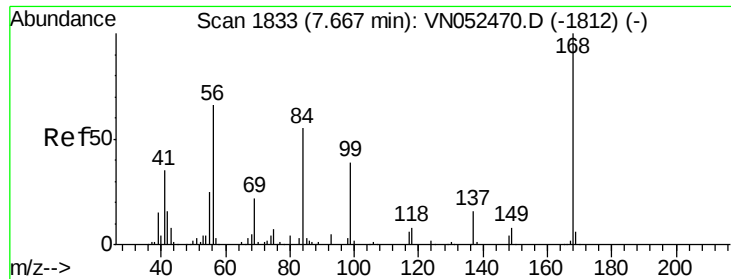
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	543352	50.359	ug/l	99
94) Hexachlorobutadiene	15.01	225	305741	48.273	ug/l	99
95) Naphthalene	15.13	128	1134697	49.639	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	494909	49.915	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: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 890748

Ion Ratio Lower Upper

168 100

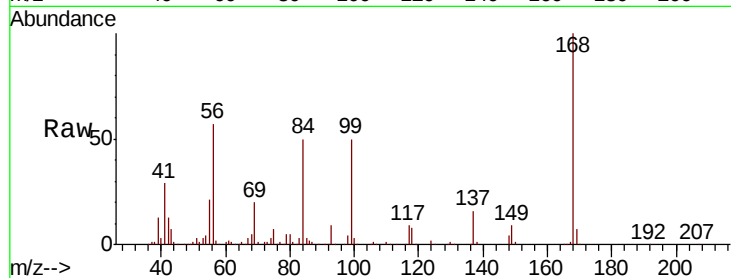
99 50.3 41.7 62.5

Manual Integrations

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12/12/2018 11:33:41 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

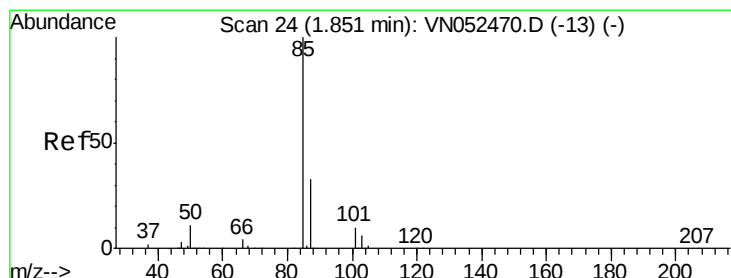
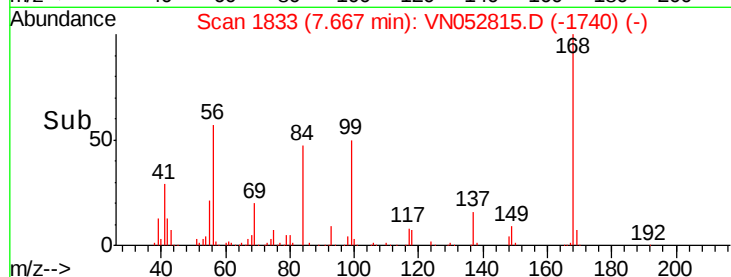
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 40.010 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052815.D

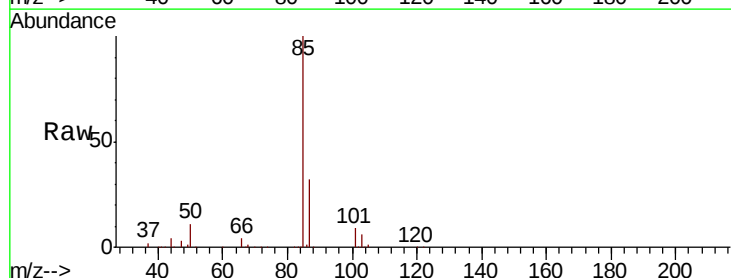
Acq: 11 Dec 2018 21:03

Tgt Ion: 85 Resp: 333696

Ion Ratio Lower Upper

85 100

87 32.1 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

150000

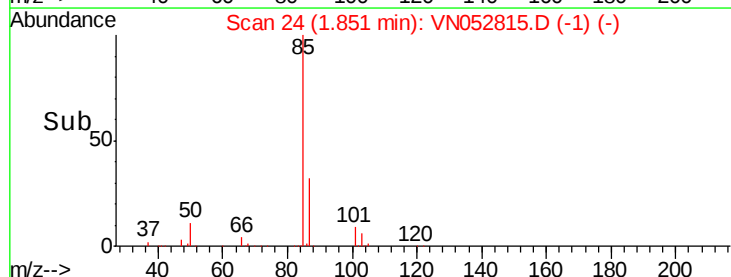
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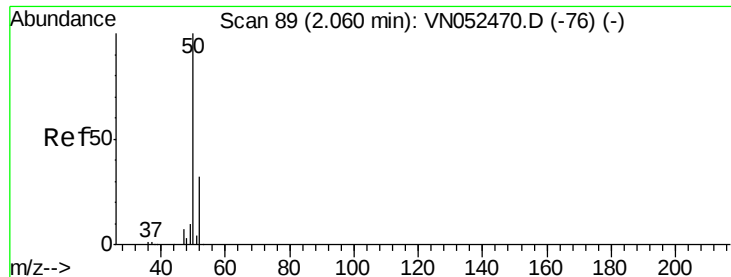
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 40.150 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 442021

Ion Ratio Lower Upper

50 100

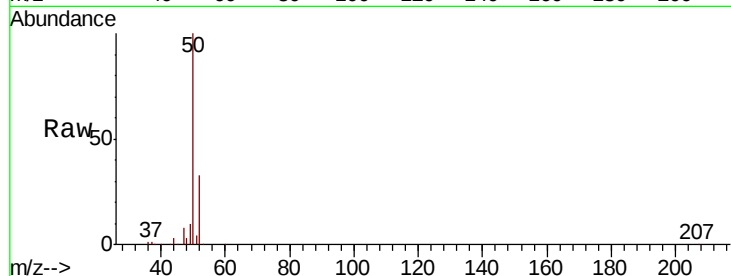
52 32.6 25.9 38.9

Manual Integrations

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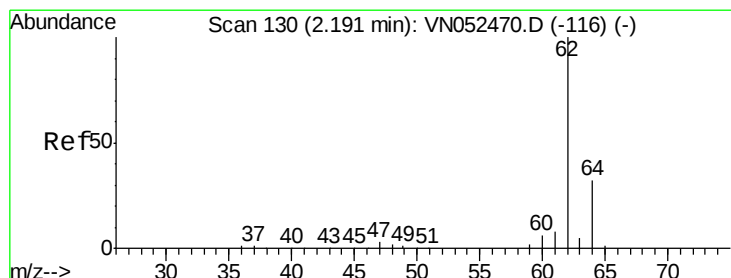
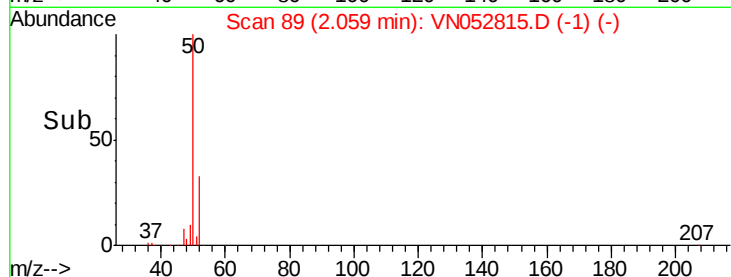
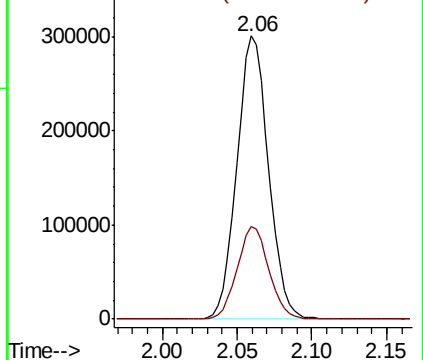
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 40.957 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052815.D

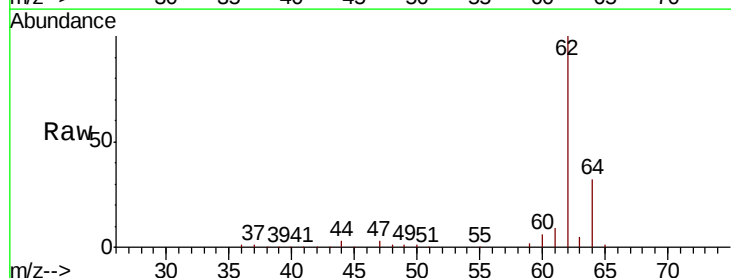
Acq: 11 Dec 2018 21:03

Tgt Ion: 62 Resp: 463195

Ion Ratio Lower Upper

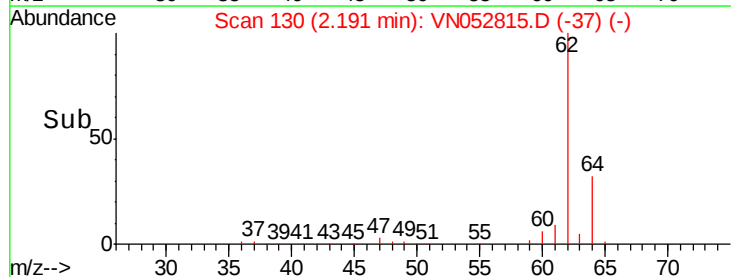
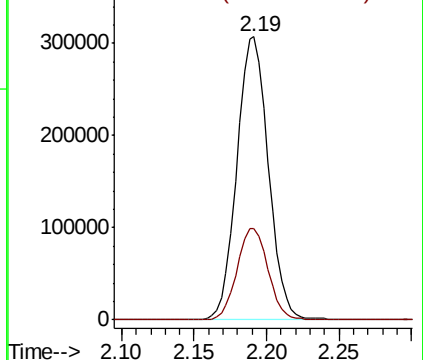
62 100

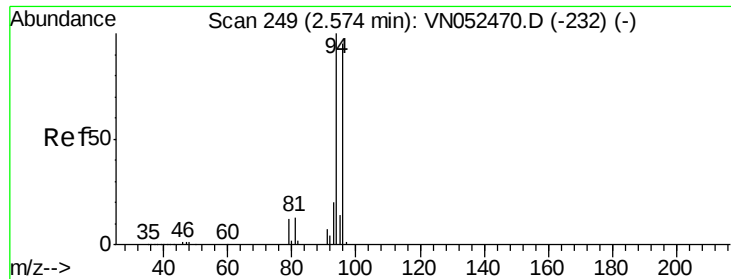
64 32.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 36.764 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 259425

Ion Ratio Lower Upper

94 100

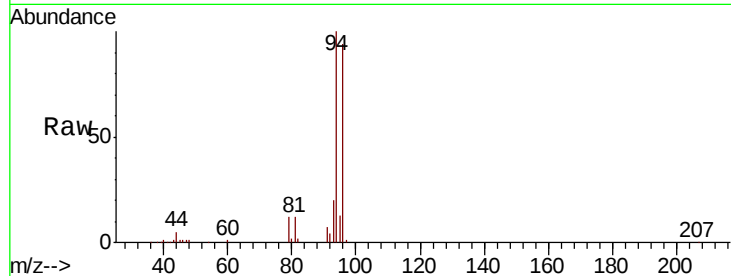
96 93.9 75.8 113.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN052470.D (-232) (-)

Ion 95.90 (95.60 to 96.60): VN052470.D (-232) (-)

2.57

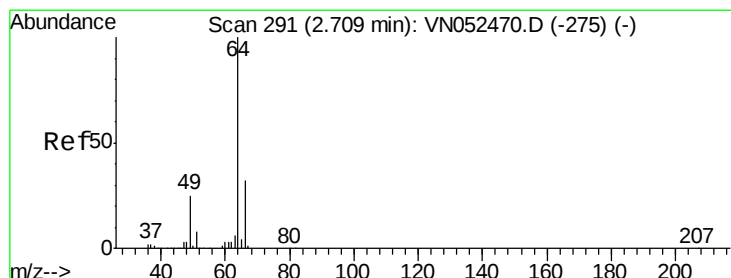
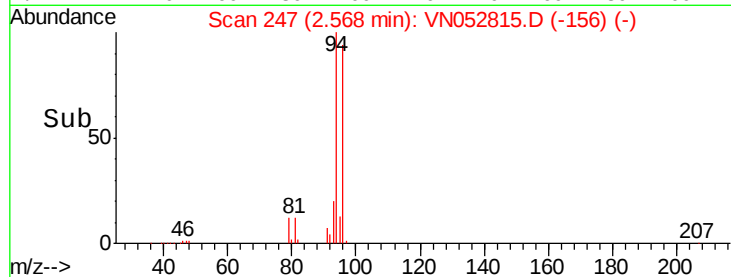
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 42.408 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052815.D

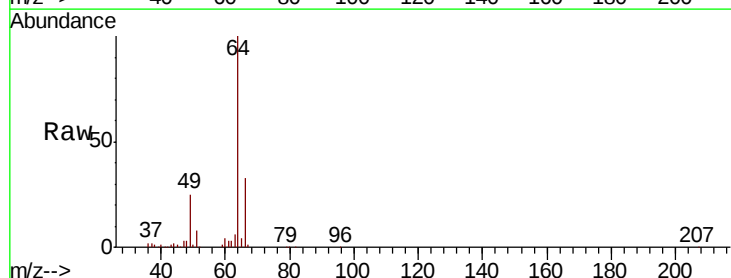
Acq: 11 Dec 2018 21:03

Tgt Ion: 64 Resp: 290513

Ion Ratio Lower Upper

64 100

66 33.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN052470.D (-275) (-)

Ion 65.90 (65.60 to 66.60): VN052470.D (-275) (-)

2.71

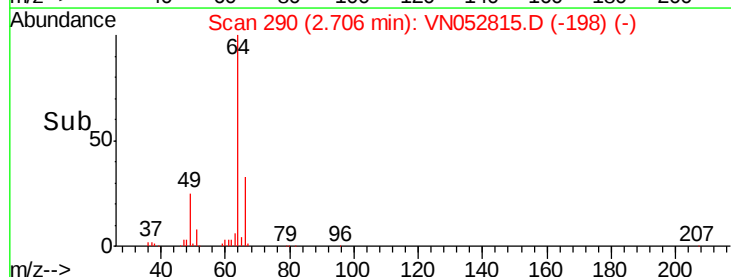
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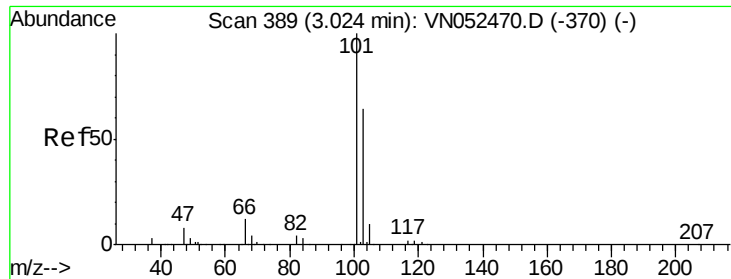
100000

50000

0

Time-->





#7

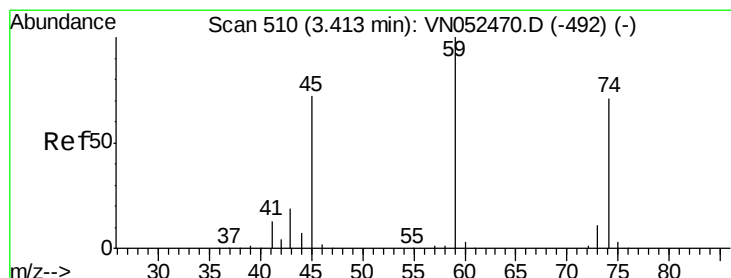
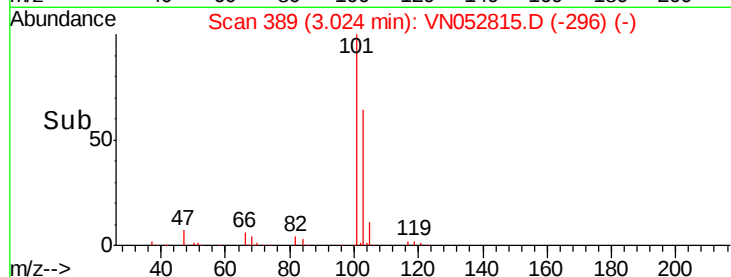
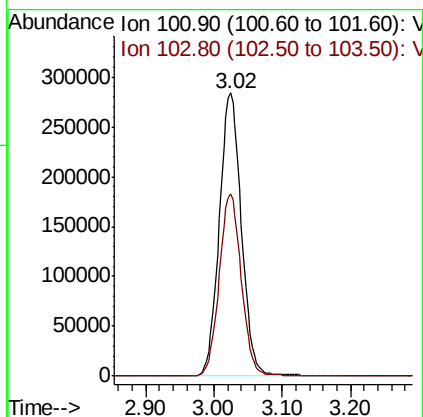
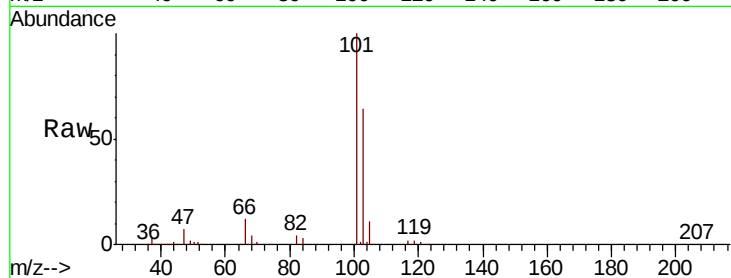
Trichlorofluoromethane
Concen: 46.011 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2

Manual Integrations
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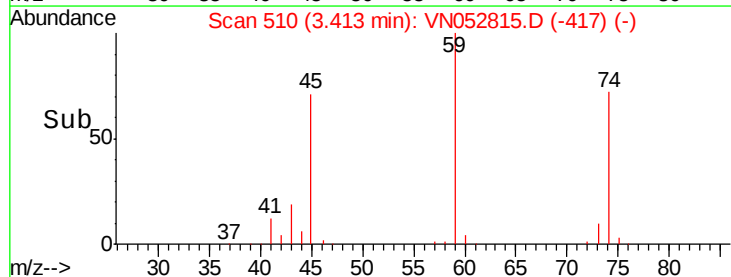
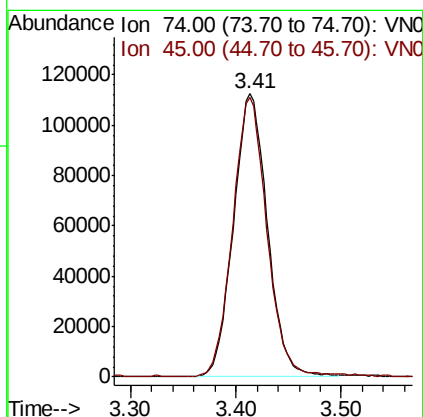
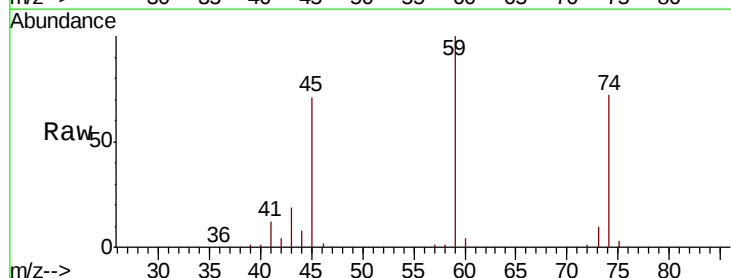
MMDadoda
12/12/2018 11:33:41 AM



#8

Diethyl Ether
Concen: 48.972 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.696 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

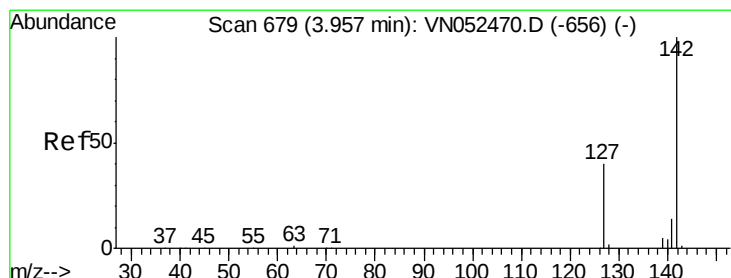
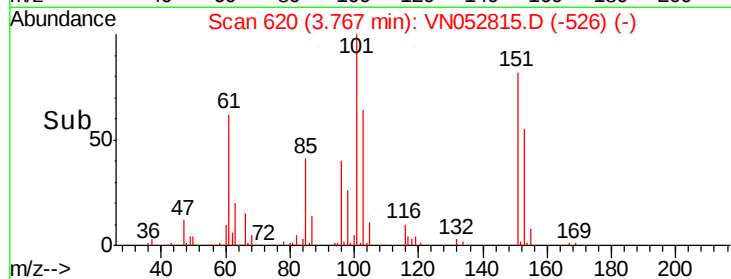
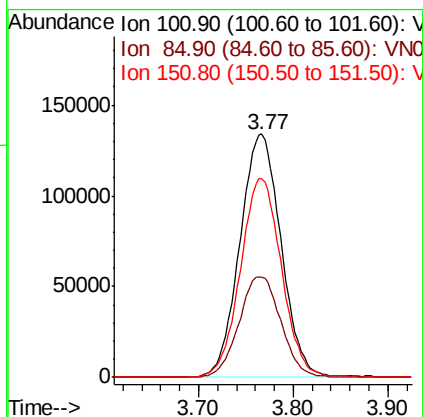
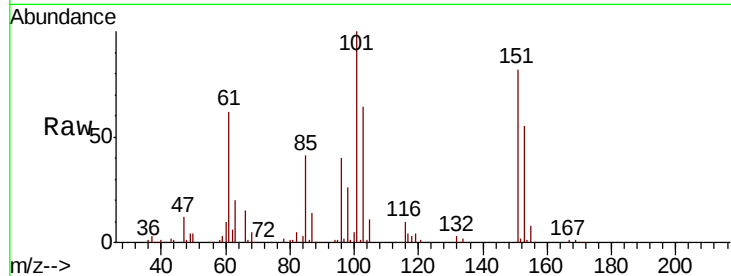
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	404778
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.4
151	81.8	64.6	96.8

Manual Integrations
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#10

Methyl Iodide

Concen: 45.719 ug/l

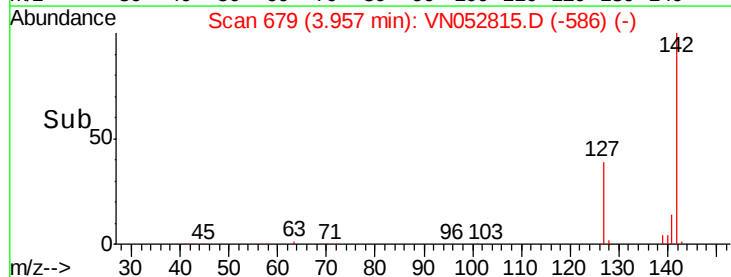
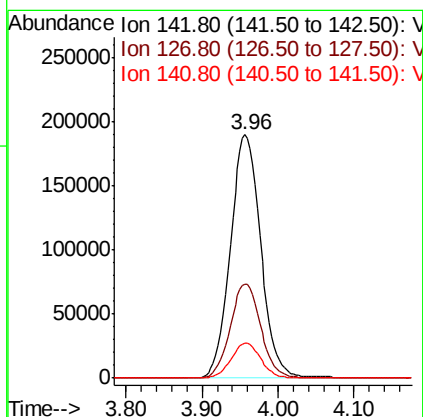
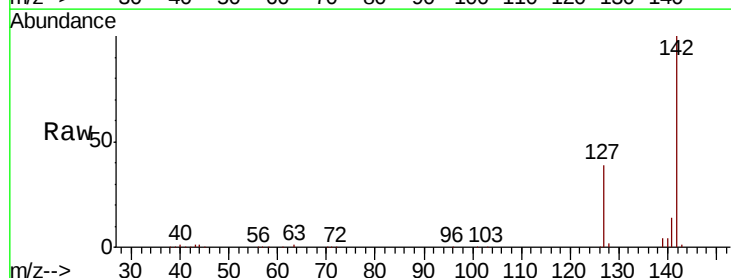
RT: 3.96 min Scan# 679

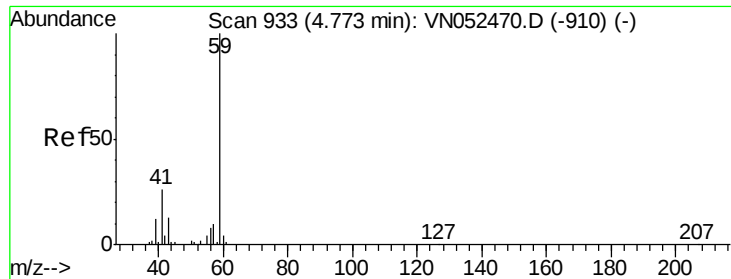
Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Tgt Ion:	142	Resp:	527842
Ion Ratio	Lower	Upper	
142	100		
127	38.7	31.8	47.6
141	14.1	11.4	17.0





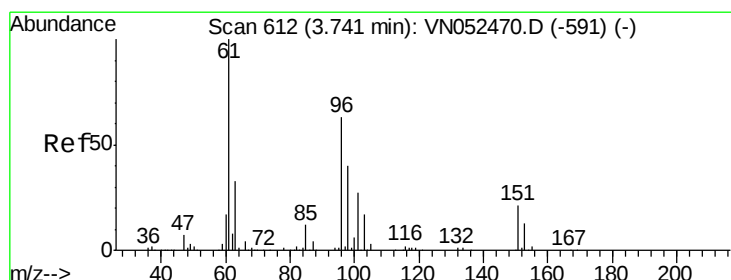
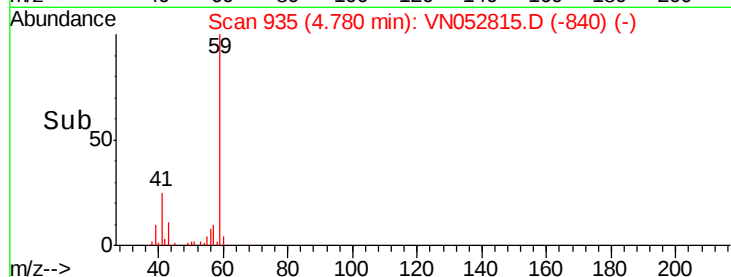
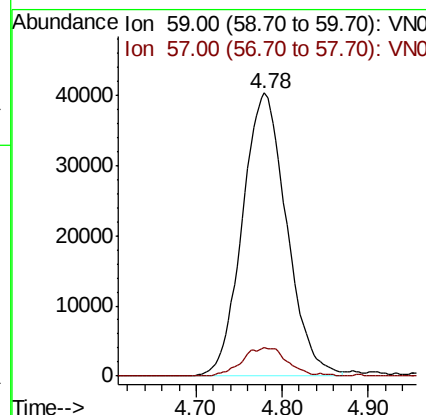
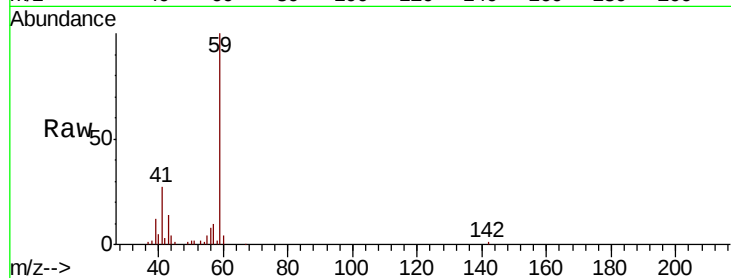
#11
Tert butyl alcohol
Concen: 297.001 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.9	11.9#

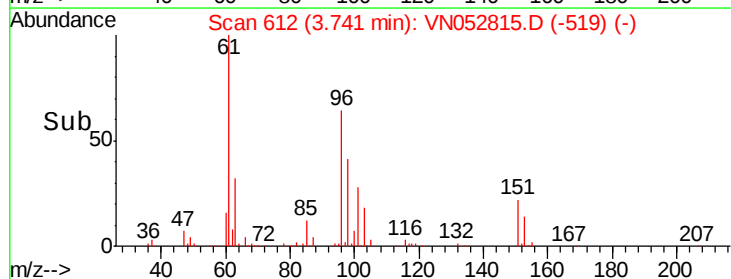
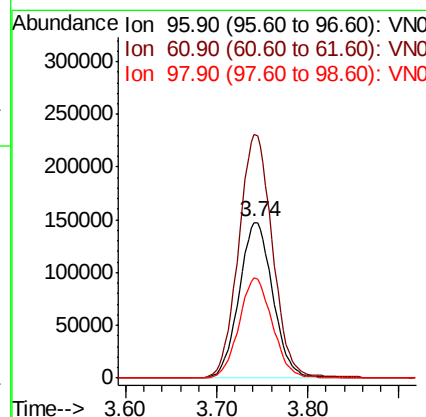
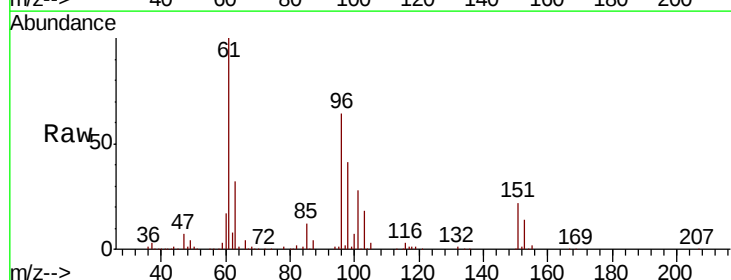
Manual Integrations
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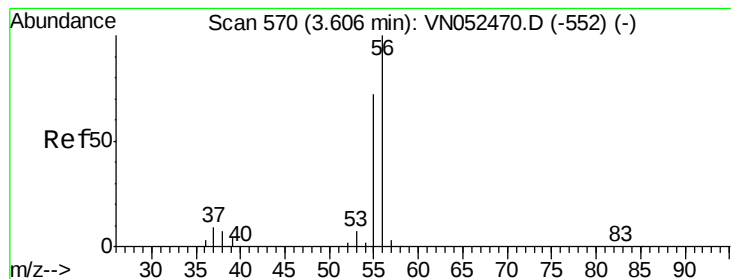
MMDadoda
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#12
1,1-Dichloroethene
Concen: 45.597 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.6	127.0	190.6
98	64.3	50.3	75.5





#13

Acrolein

Concen: 279.212 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 235619

Ion Ratio Lower Upper

56 100

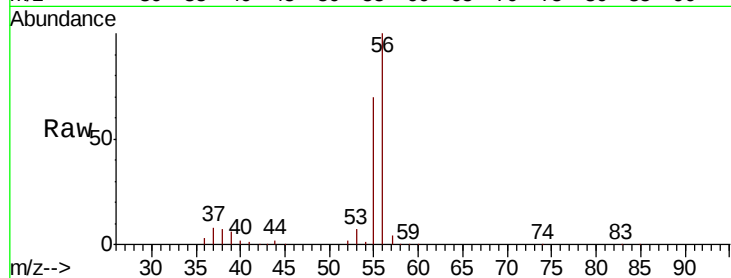
55 70.3 56.8 85.2

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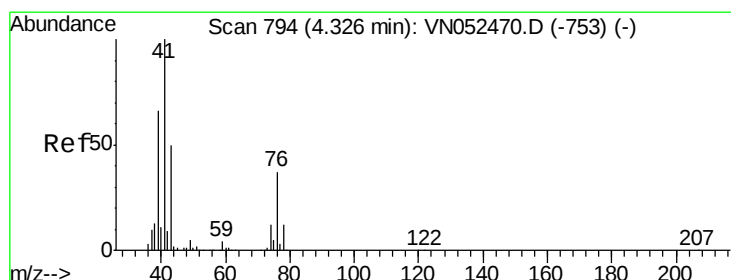
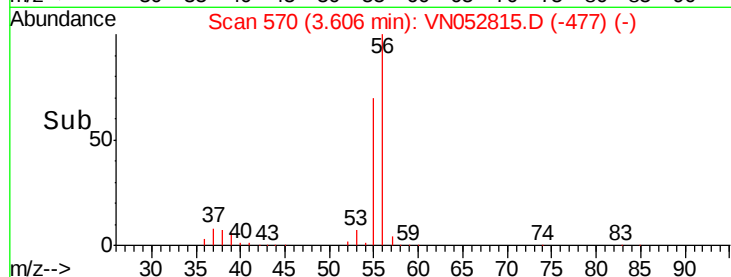
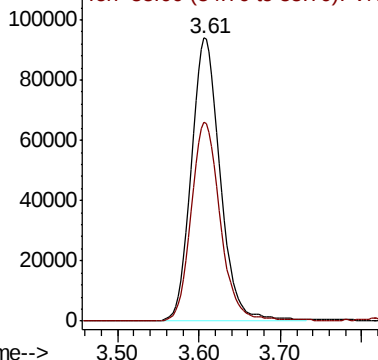
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.014 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

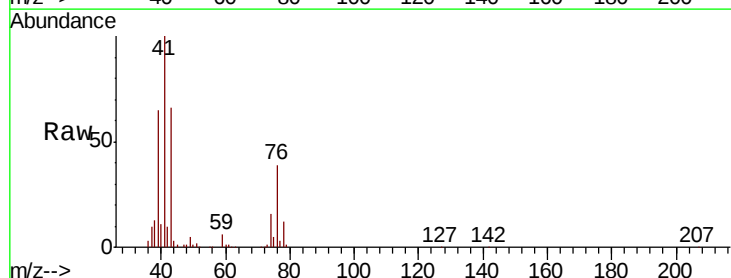
Tgt Ion: 41 Resp: 661720

Ion Ratio Lower Upper

41 100

39 63.3 50.6 76.0

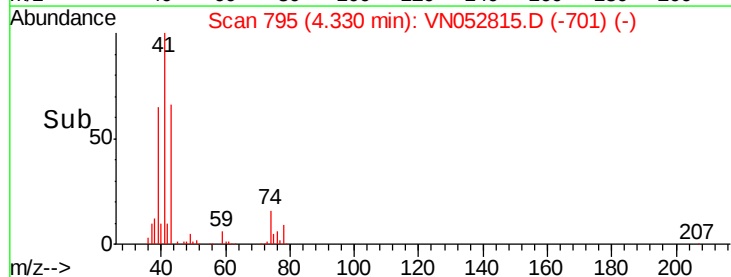
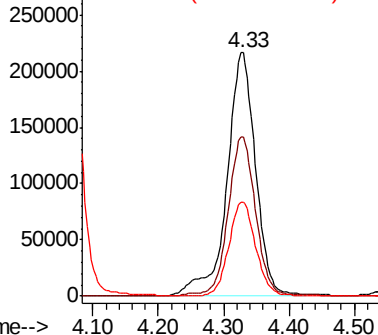
76 35.4 27.4 41.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 262.102 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

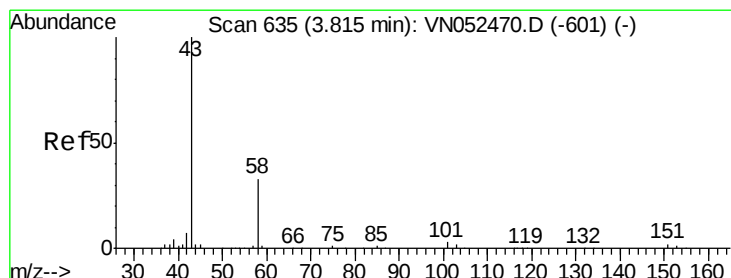
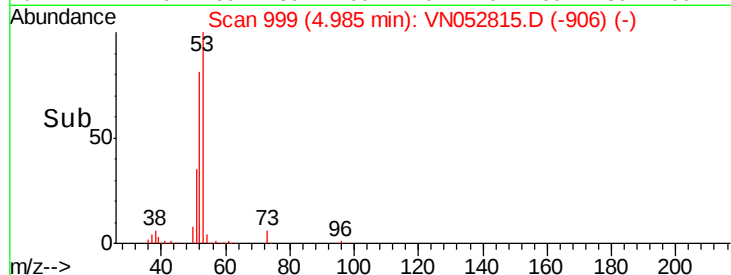
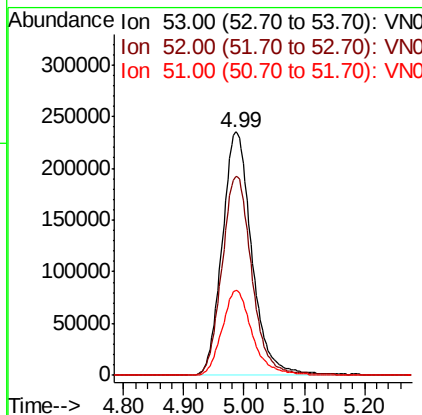
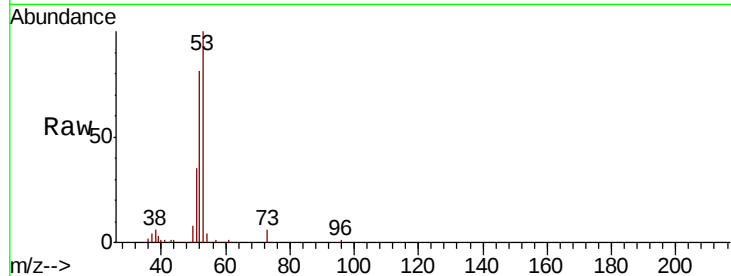
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	805579
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.2	99.2
51	35.4	28.1	42.1

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#16

Acetone

Concen: 212.292 ug/l

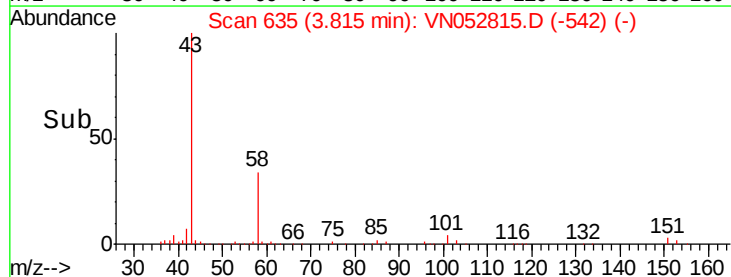
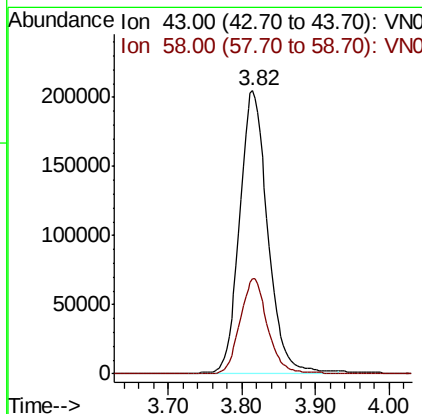
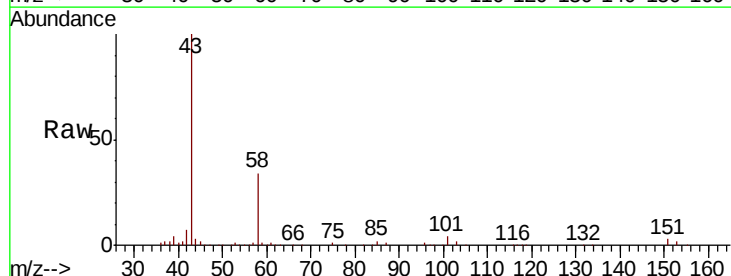
RT: 3.82 min Scan# 635

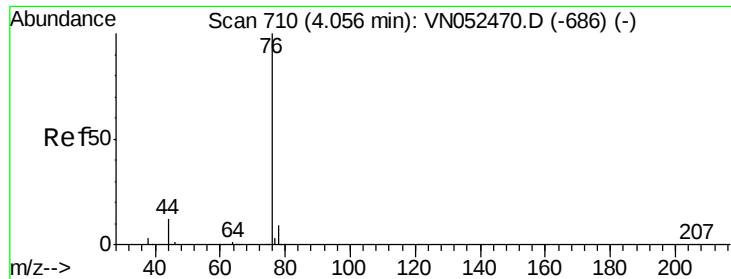
Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Tgt Ion:	43	Resp:	543067
Ion	Ratio	Lower	Upper
43	100		
58	33.7	26.0	39.0





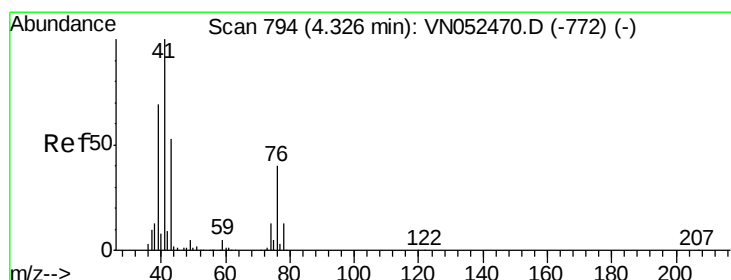
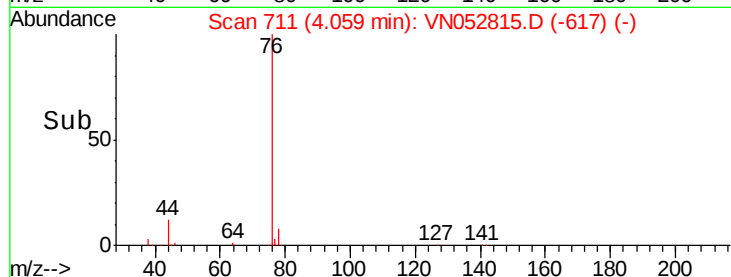
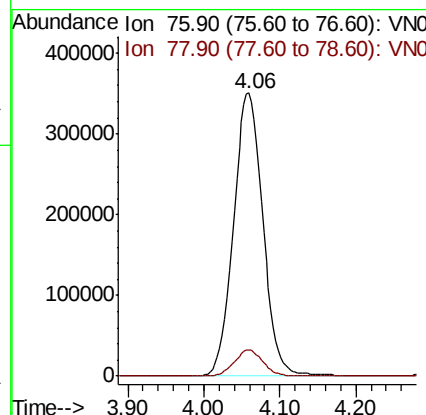
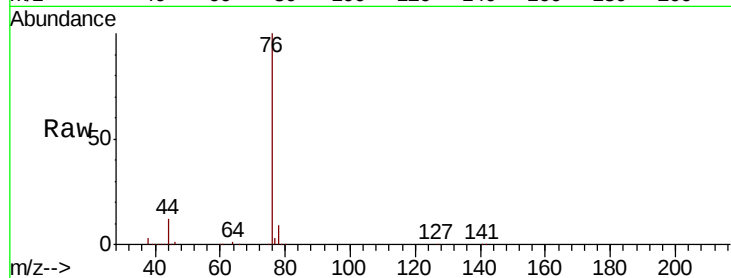
#17
Carbon Disulfide
Concen: 35.894 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

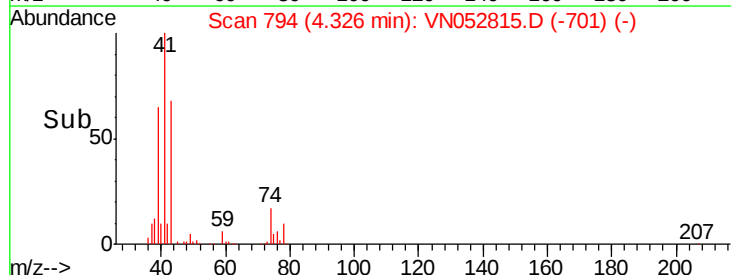
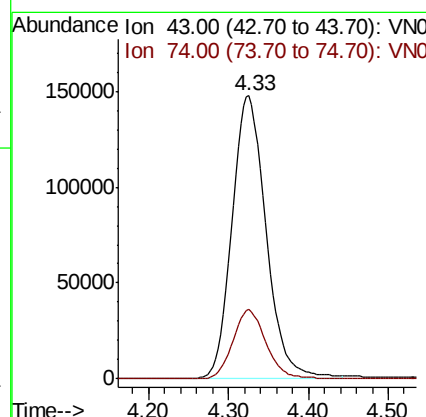
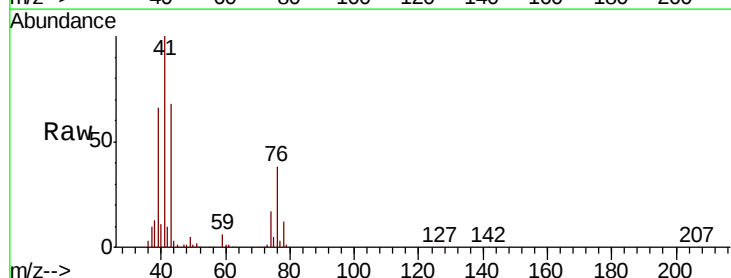
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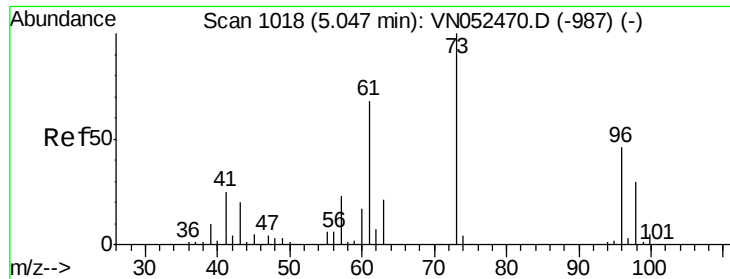
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#18
Methyl Acetate
Concen: 58.057 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.6	27.8





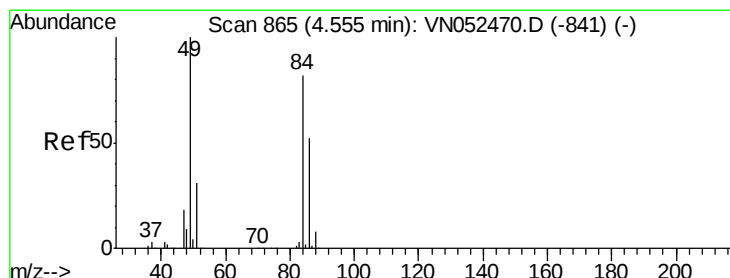
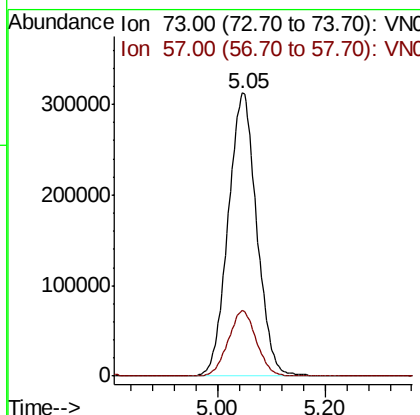
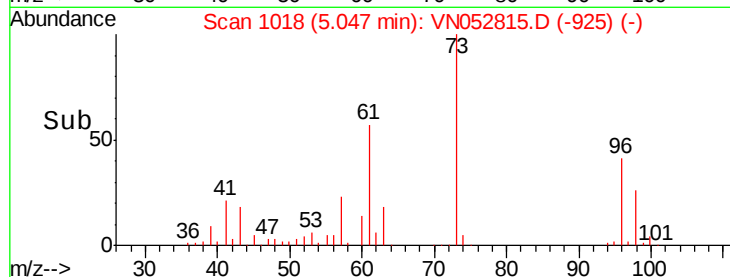
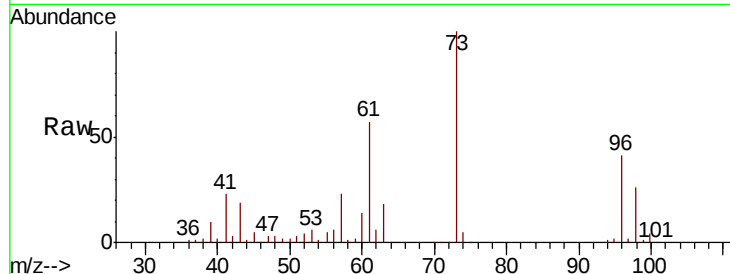
#19
Methyl tert-butyl Ether
Concen: 52.078 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1156137
Ion Ratio Lower Upper
73 100
57 23.1 18.2 27.2

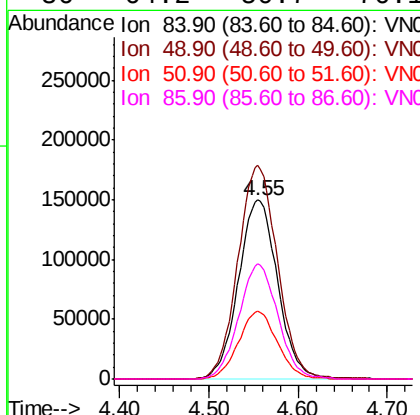
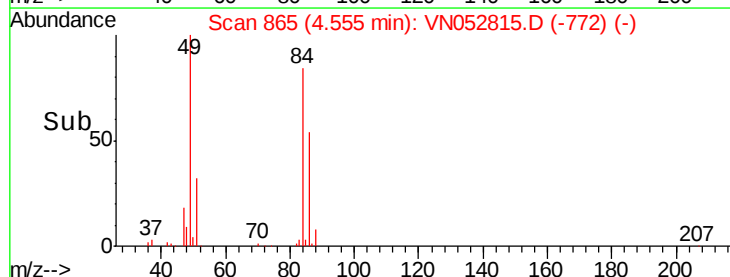
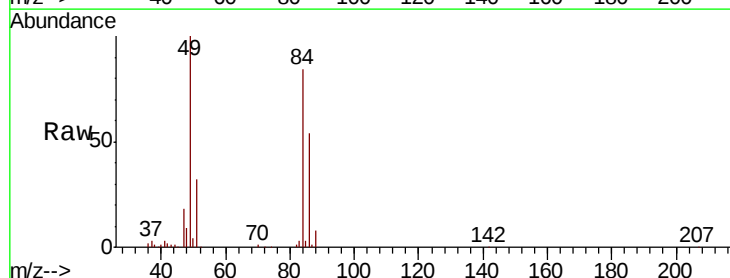
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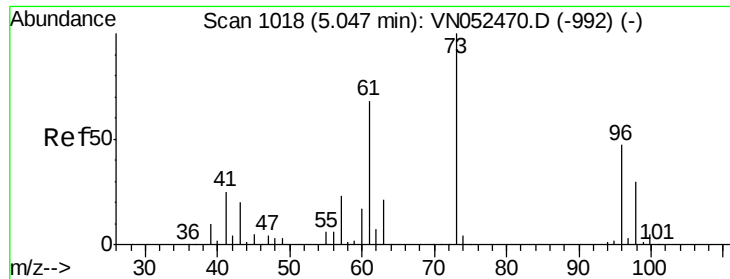
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#20
Methylene Chloride
Concen: 45.553 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion: 84 Resp: 456015
Ion Ratio Lower Upper
84 100
49 119.6 98.0 147.0
51 38.0 30.1 45.1
86 64.2 50.7 76.1





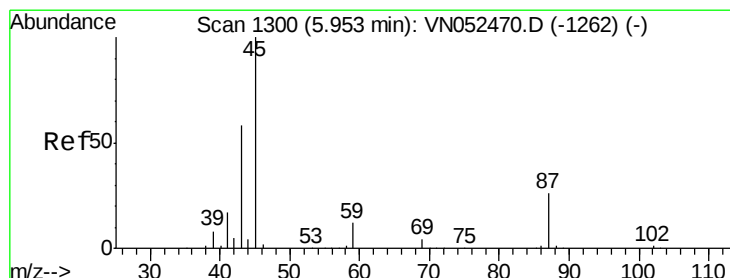
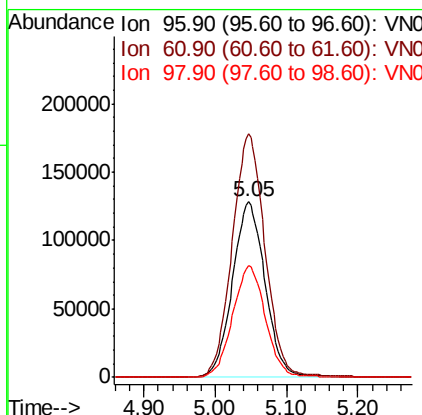
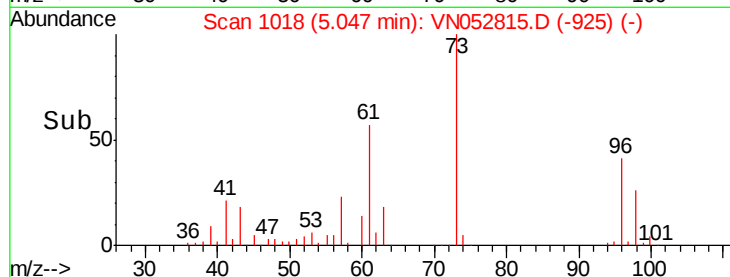
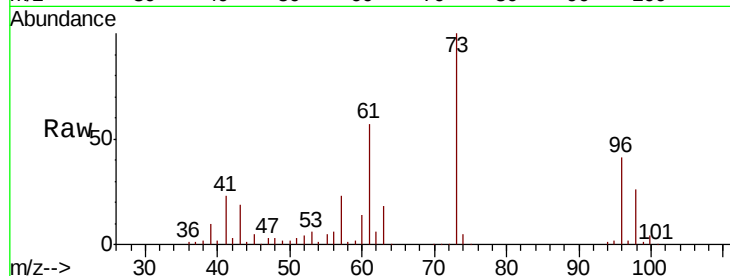
#21
trans-1,2-Dichloroethene
Concen: 45.834 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	117.0	175.4
98	63.8	51.8	77.6

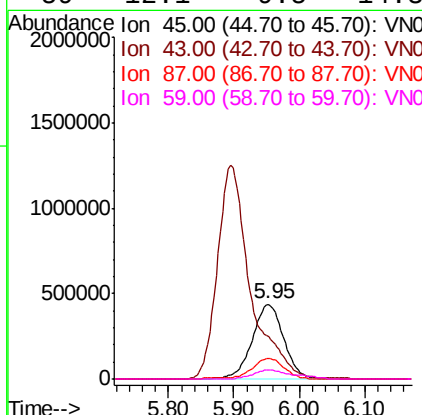
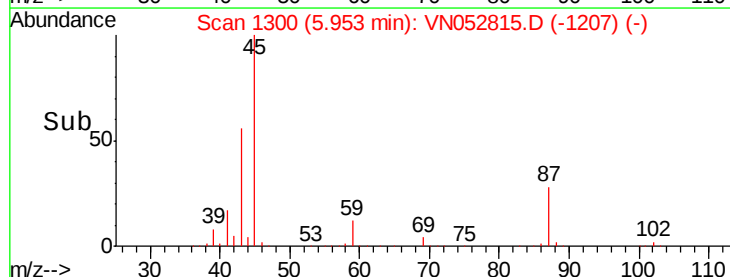
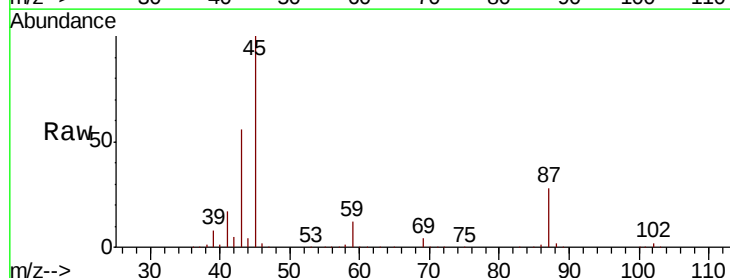
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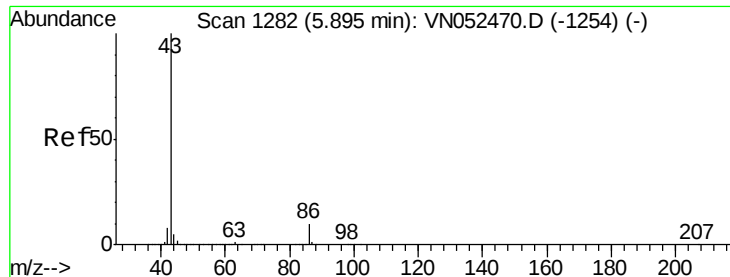
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#22
Diisopropyl ether
Concen: 48.504 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.9	46.1	69.1
87	27.8	21.3	31.9
59	12.1	9.5	14.3





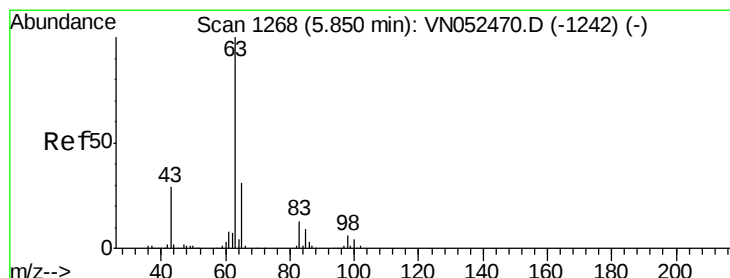
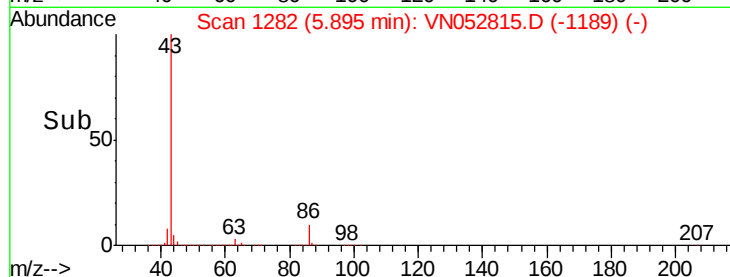
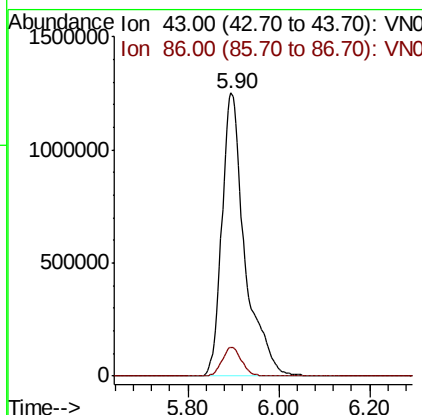
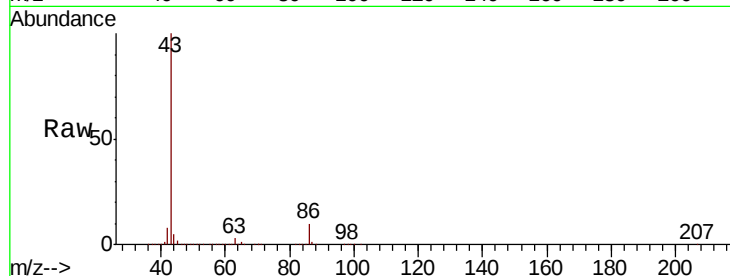
#23
 Vinyl Acetate
 Concen: 233.264 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 4388823
 Ion Ratio Lower Upper
 43 100
 86 10.4 7.8 11.8

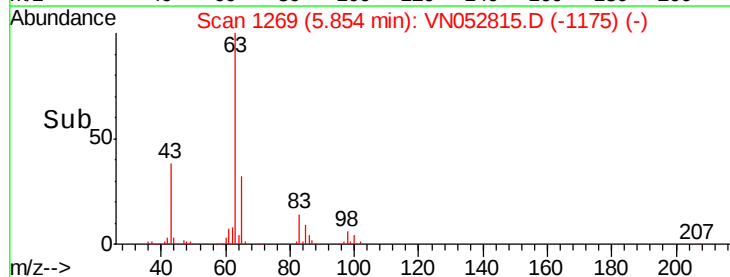
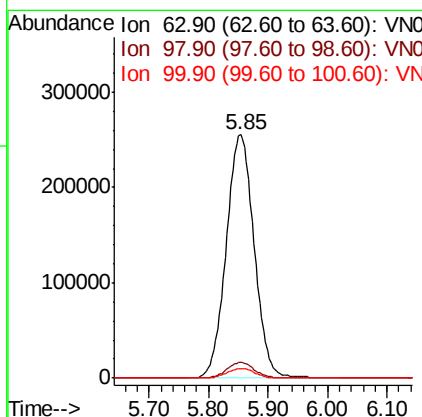
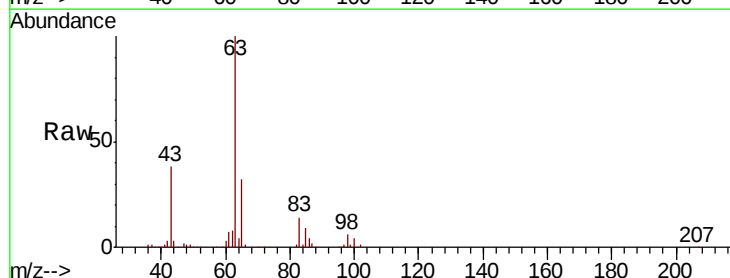
Manual Integrations
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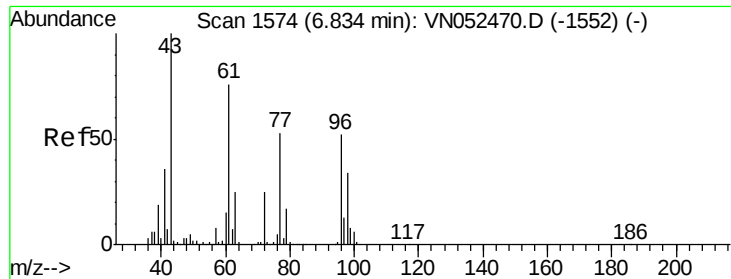
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 12/12/2018 11:33:41 AM



#24
 1,1-Dichloroethane
 Concen: 48.274 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Tgt Ion: 63 Resp: 832610
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.0 9.2
 100 4.0 2.0 5.8





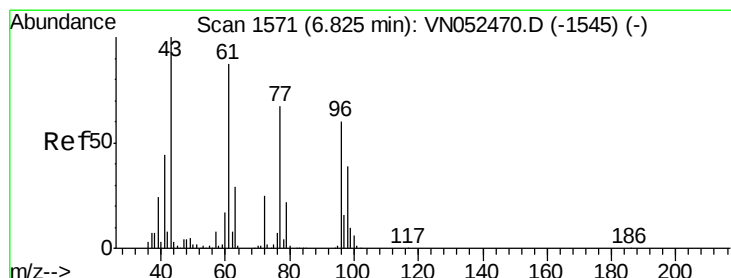
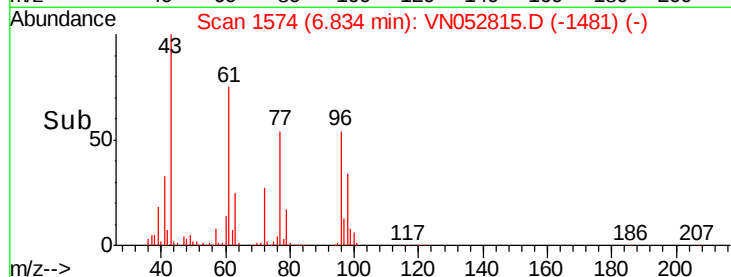
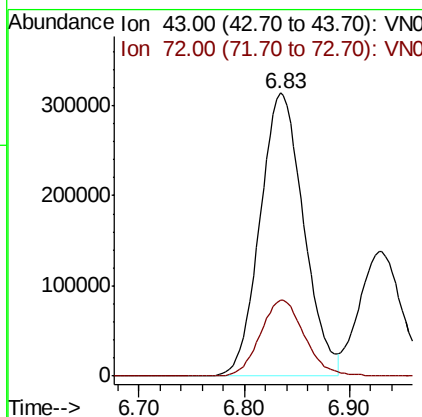
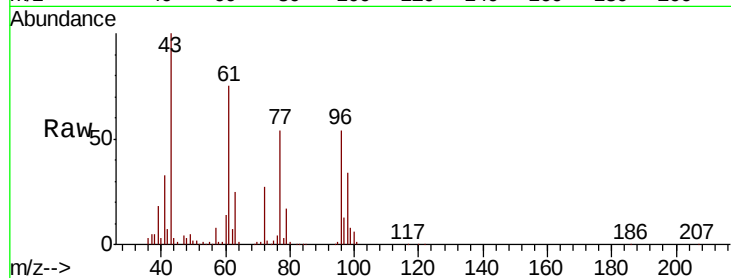
#25
2-Butanone
Concen: 248.358 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 900509
Ion Ratio Lower Upper
43 100
72 27.0 20.1 30.1

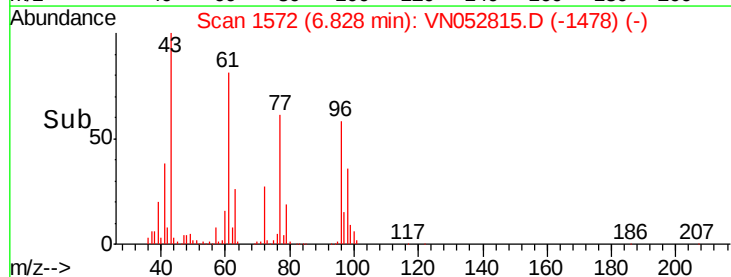
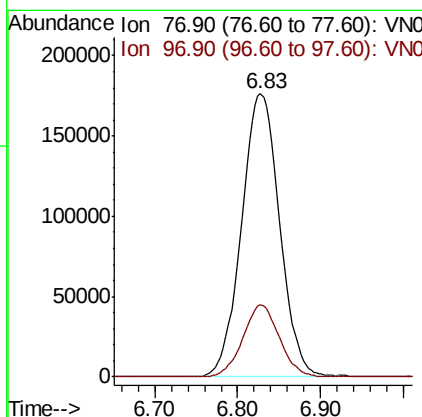
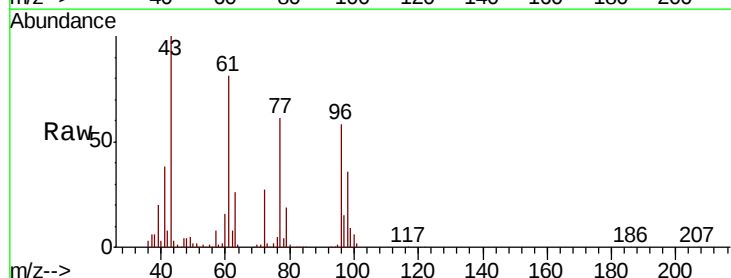
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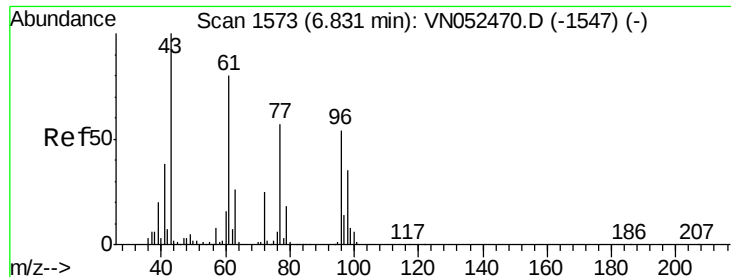
MMDadoda
12/12/2018 11:33:41 AM



#26
2,2-Dichloropropane
Concen: 47.094 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion: 77 Resp: 562212
Ion Ratio Lower Upper
77 100
97 24.5 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 48.530 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

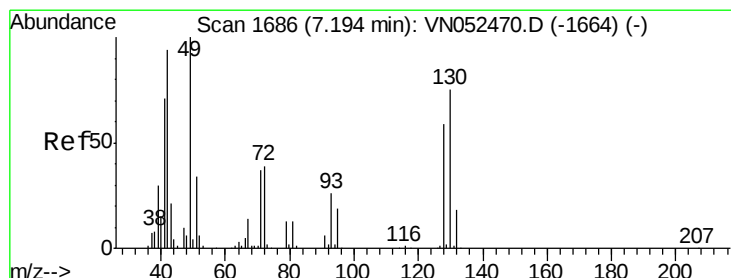
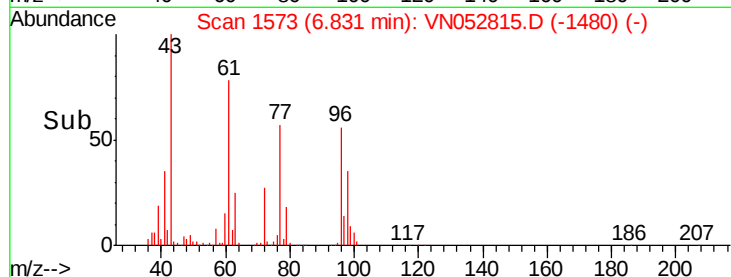
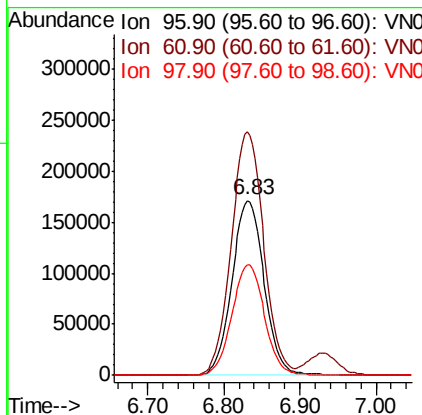
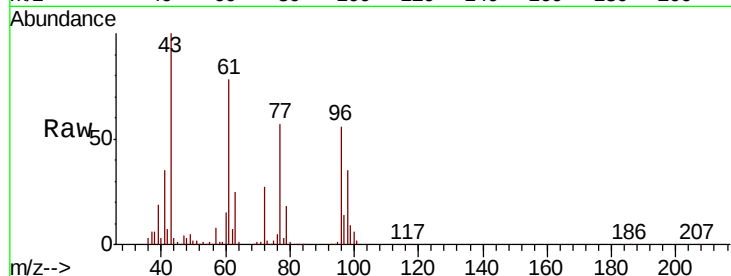
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	503777
Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	291.0
98	64.2	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 48.826 ug/l

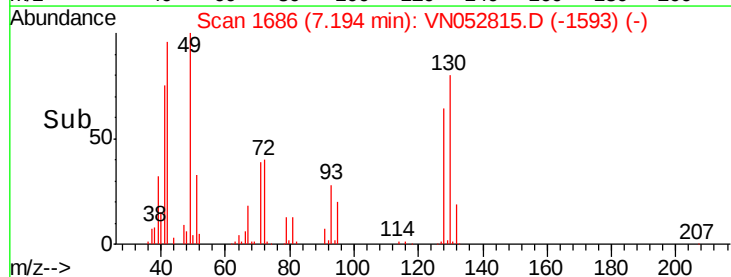
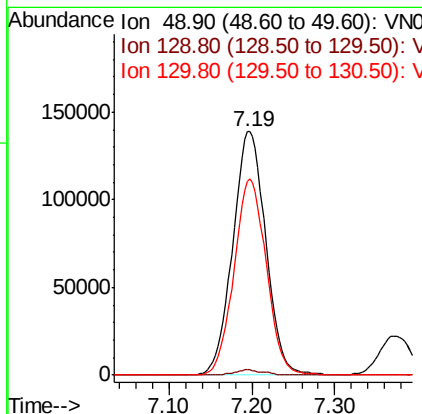
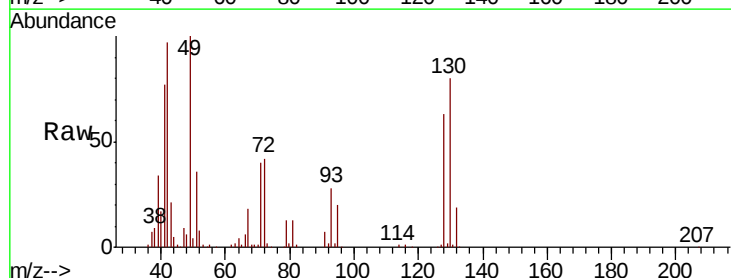
RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Tgt Ion:	49	Resp:	384638
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	78.9	60.2	90.2





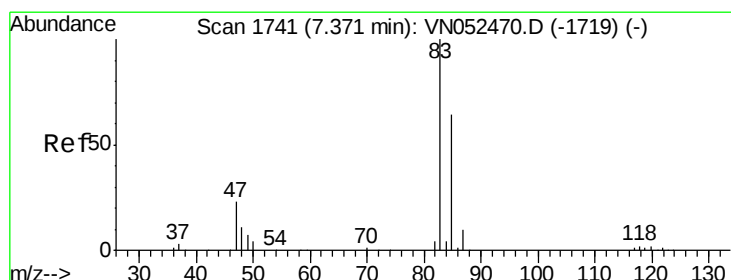
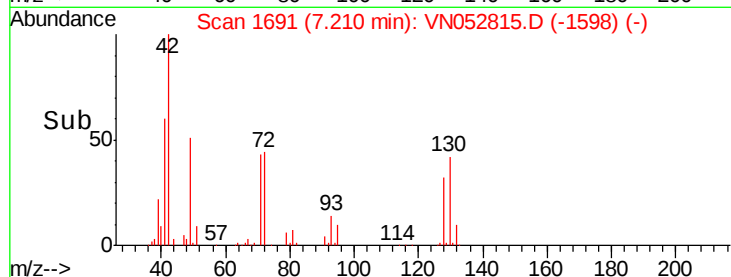
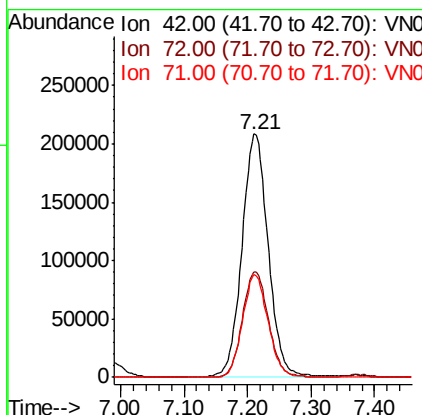
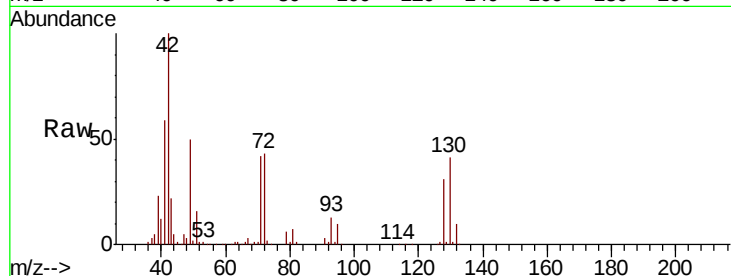
#29
Tetrahydrofuran
Concen: 255.184 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	33.3	49.9
71	41.2	32.0	48.0

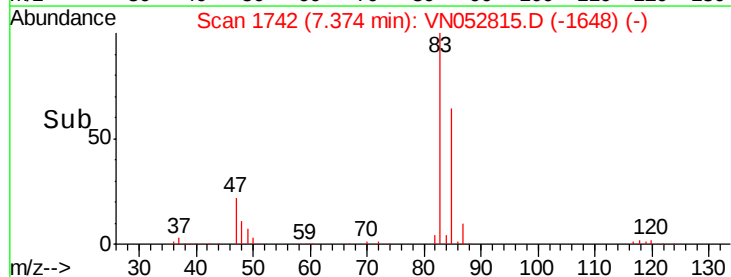
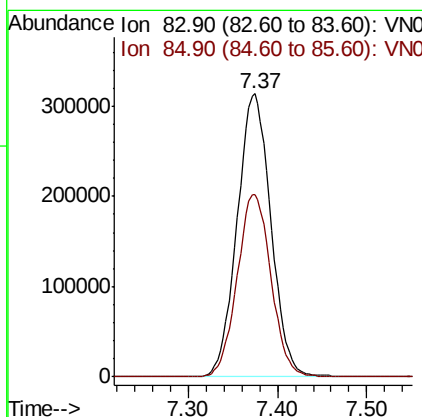
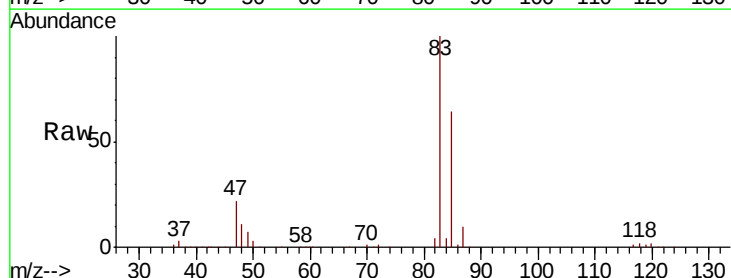
Manual Integrations
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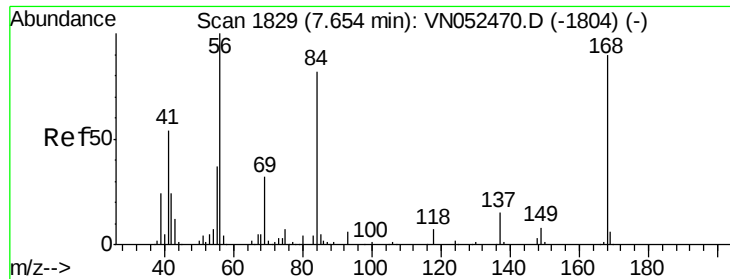
MMDadoda
12/12/2018 11:33:41 AM



#30
Chloroform
Concen: 48.015 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.0	76.4





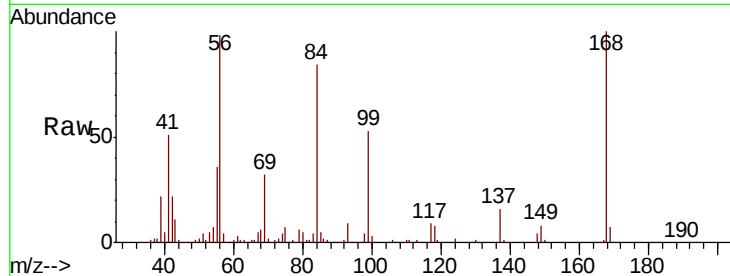
#31
Cyclohexane
Concen: 41.925 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	25.8	38.6
84	85.0	65.3	97.9

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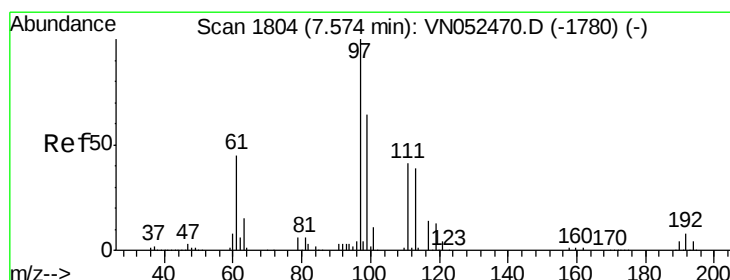
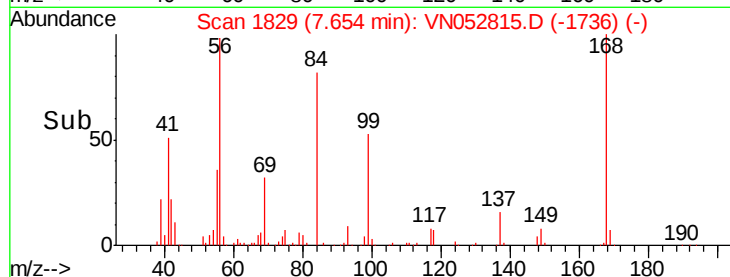
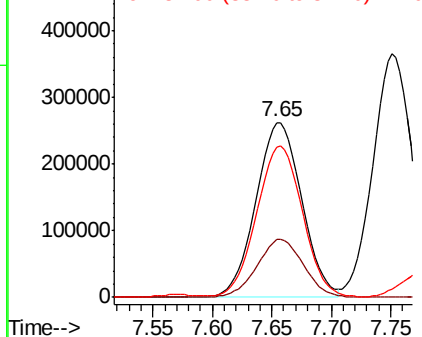


Abundance

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: 49.542 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

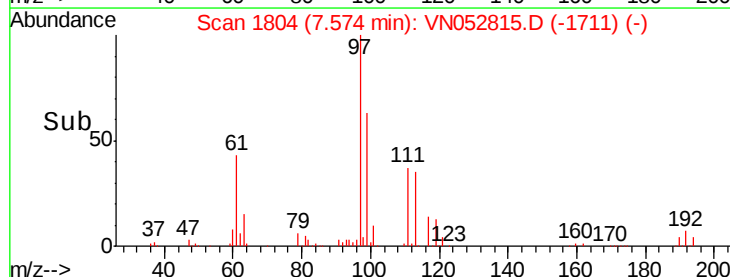
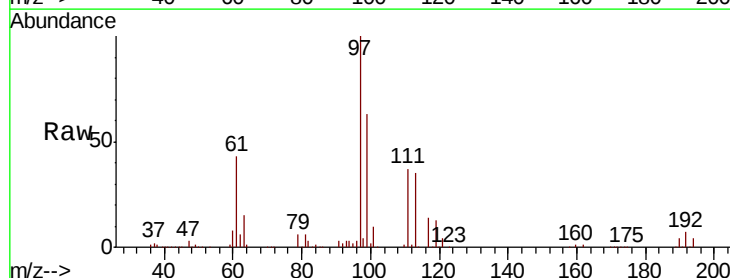
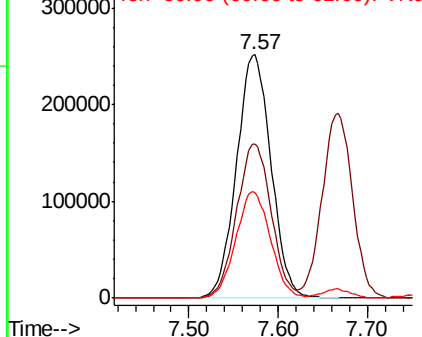
Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.7	77.5
61	44.0	36.8	55.2

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





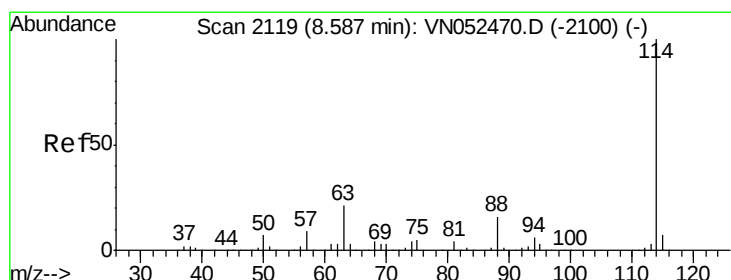
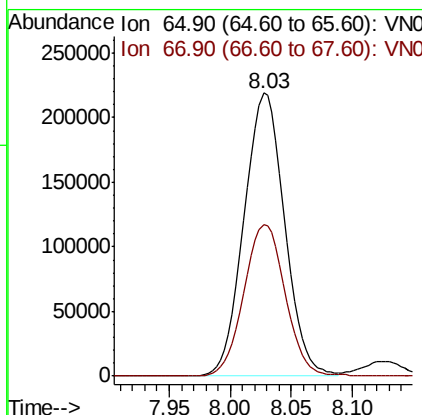
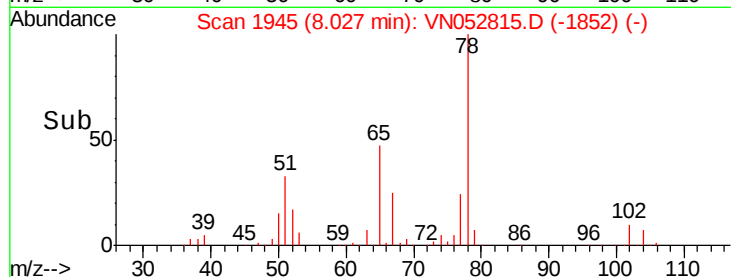
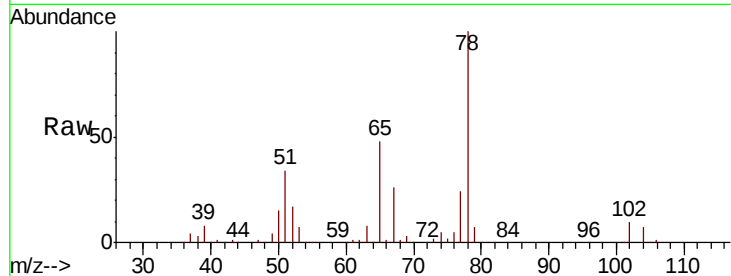
#33
 1,2-Dichloroethane-d4
 Concen: 49.542 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.5	0.0	109.8	

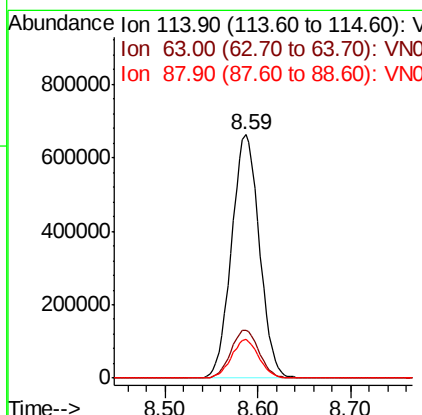
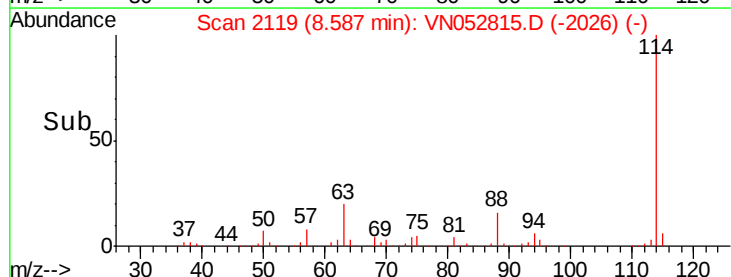
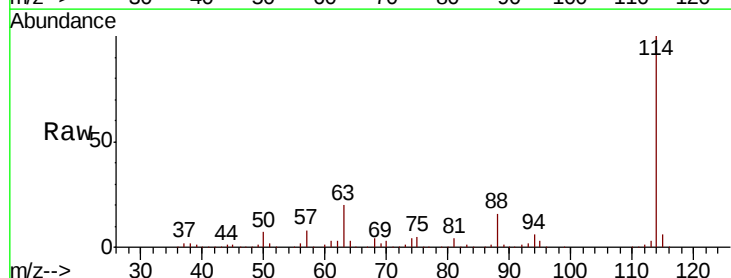
Manual Integrations
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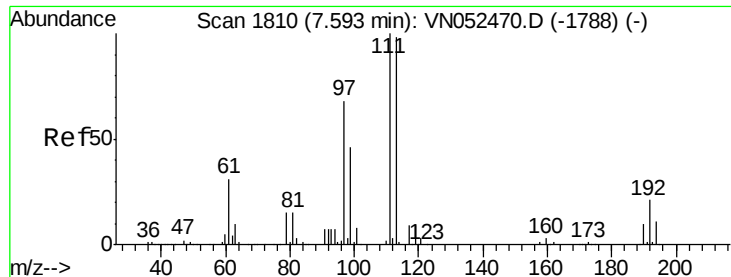
MMDadoda
 12/12/2018 11:33:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	41.8	
88	15.8	0.0	31.6	





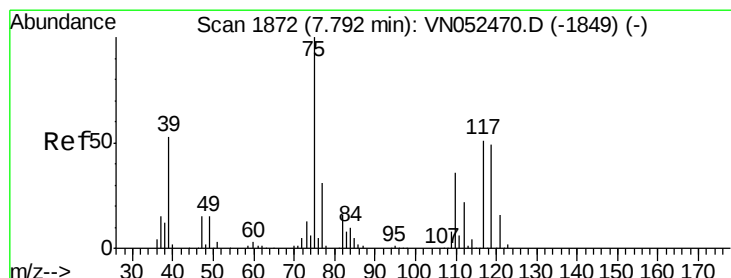
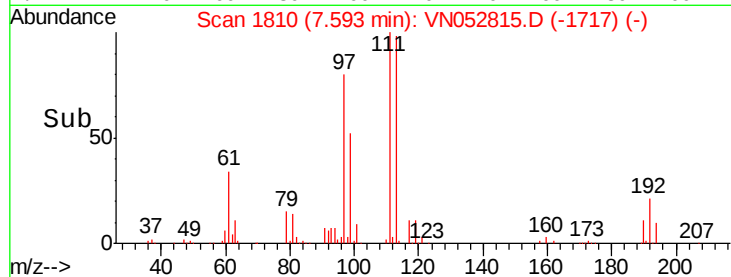
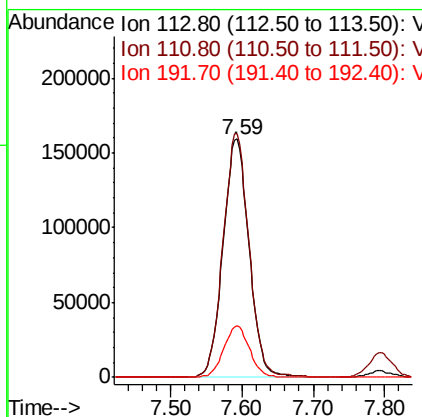
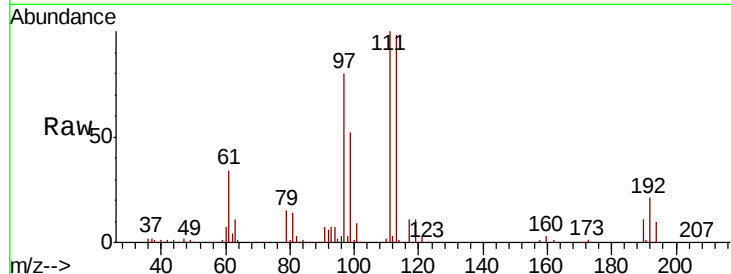
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.7	82.0	123.0	
192	21.5	17.0	25.6	

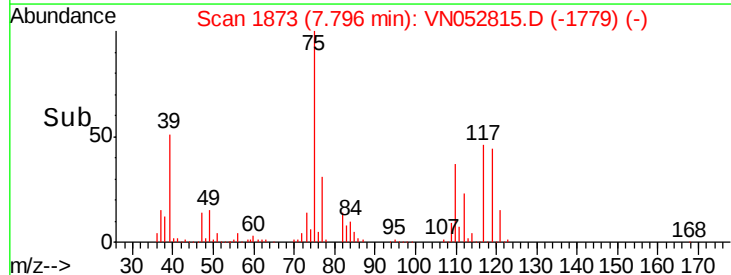
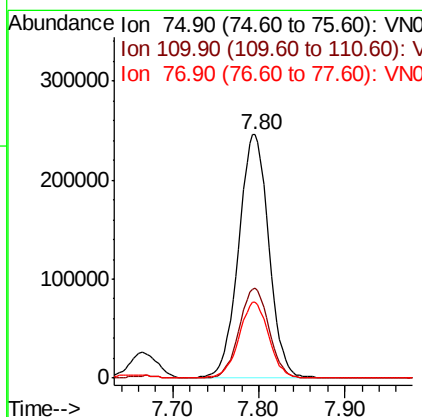
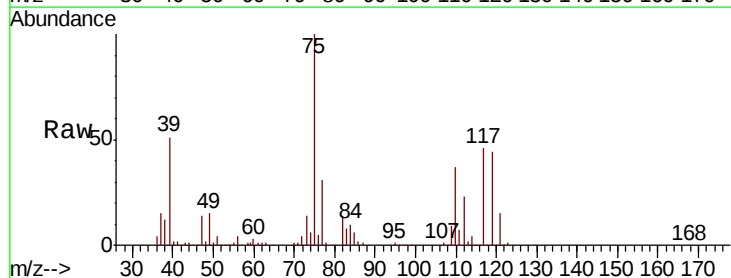
Manual Integrations
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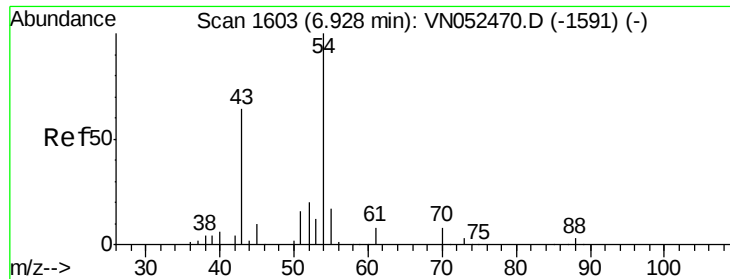
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 12/12/2018 11:33:41 AM



#36
 1,1-Dichloropropene
 Concen: 45.899 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.4	17.5	52.6	
77	31.1	24.5	36.7	





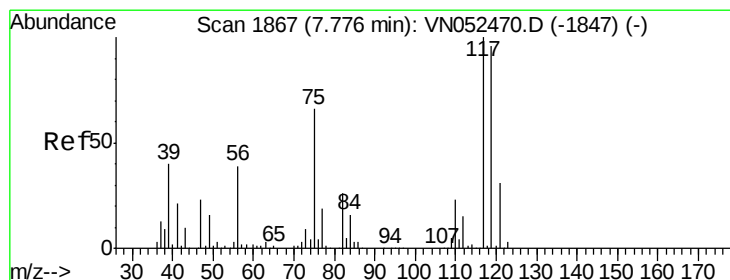
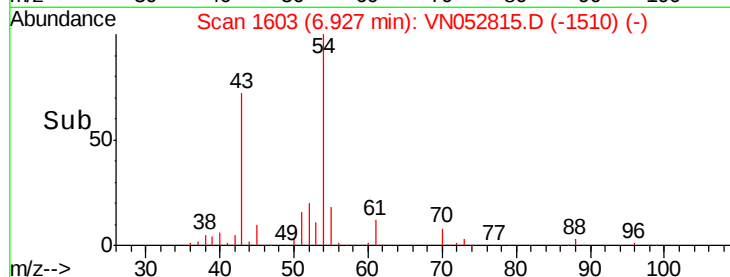
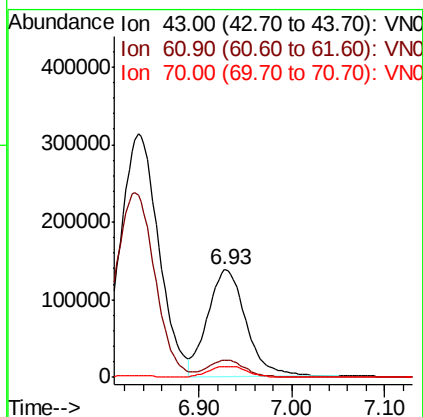
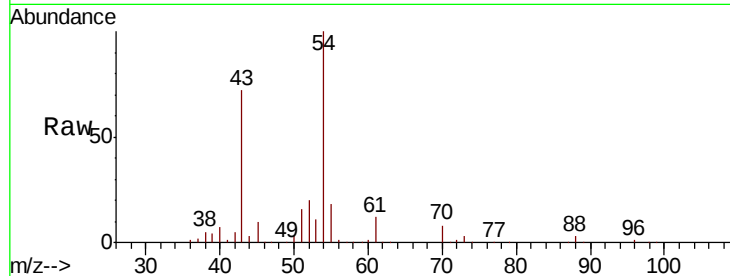
#37
Ethyl Acetate
Concen: 49.916 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.8	17.8
70	10.4	7.8	11.8

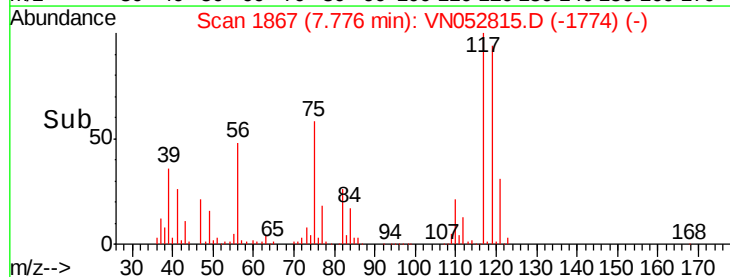
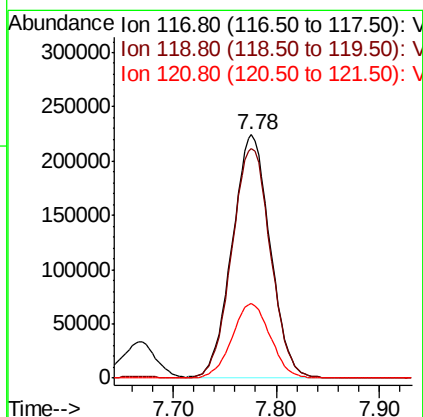
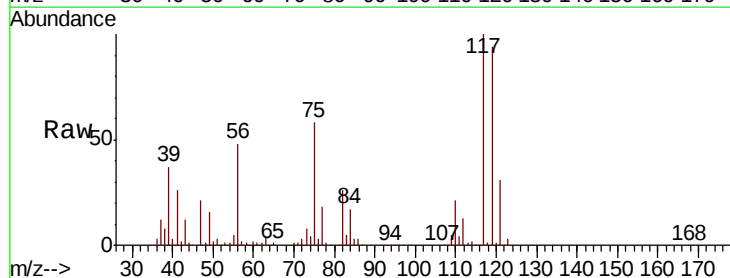
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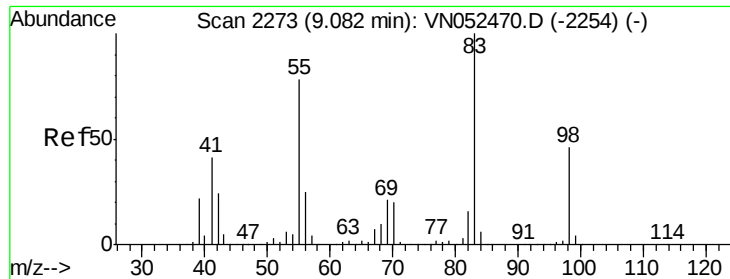
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#38
Carbon Tetrachloride
Concen: 48.564 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.8	115.2
121	30.7	24.9	37.3





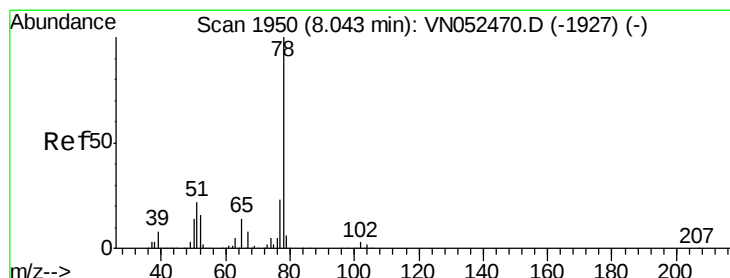
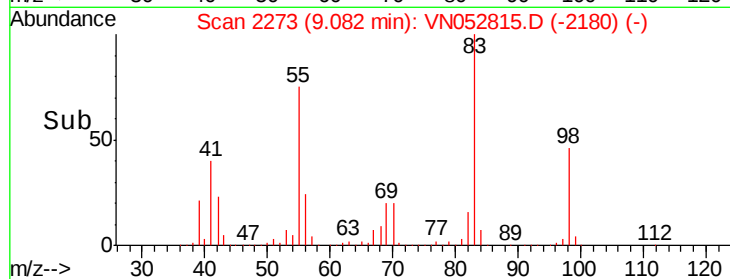
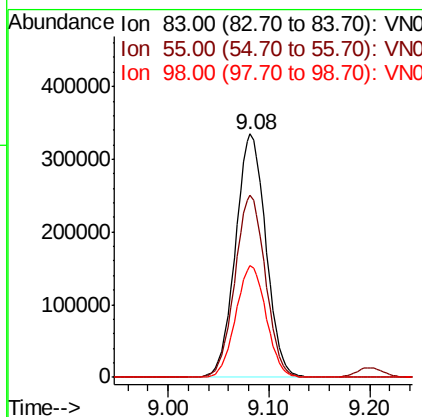
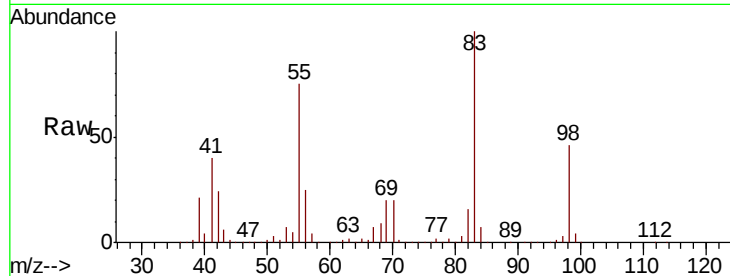
#39
Methvlcvclohexane
Concen: 44.148 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	698015		
55	74.8	62.2	93.2	
98	45.7	36.4	54.6	

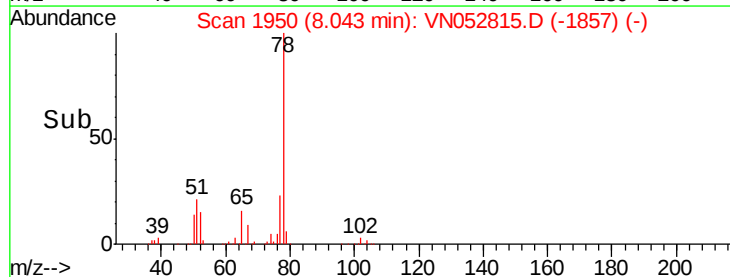
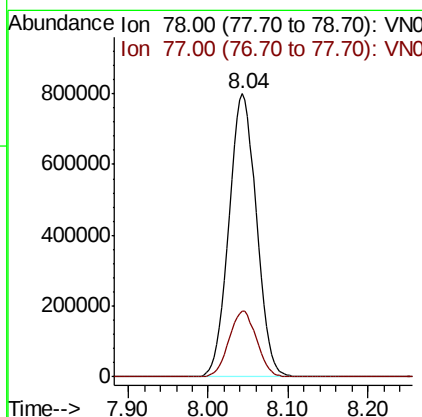
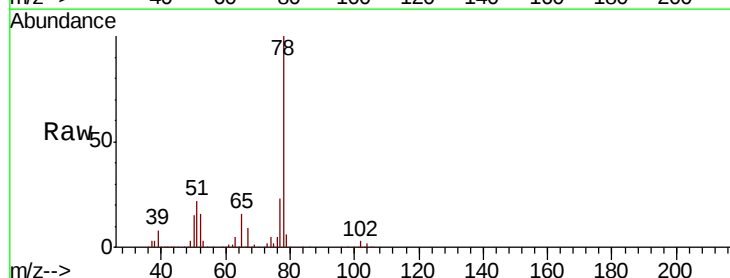
Manual Integrations
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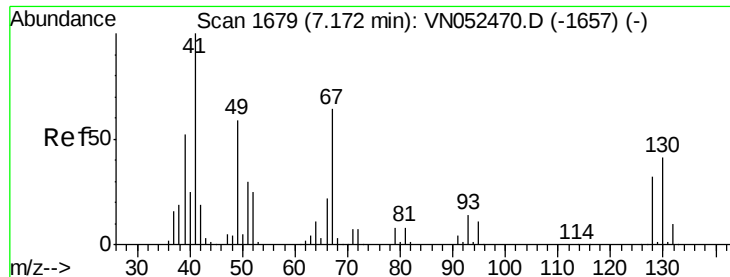
MMDadoda
12/12/2018 11:33:41 AM



#40
Benzene
Concen: 48.155 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1866796		
77	23.4	18.8	28.2	





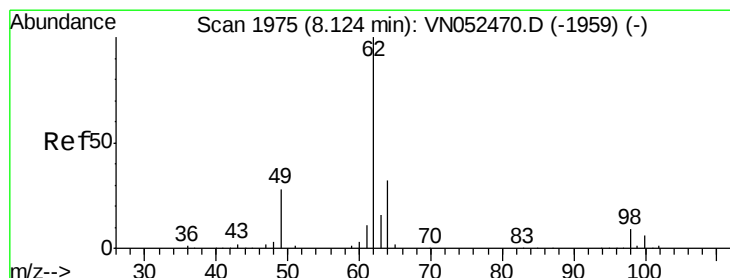
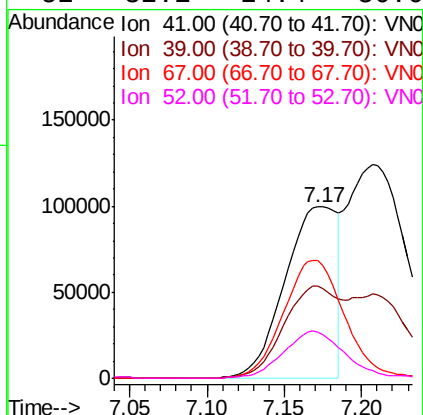
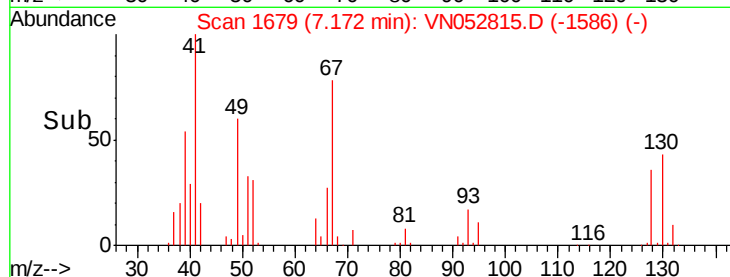
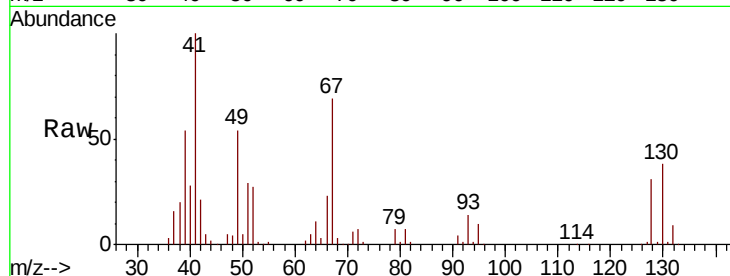
#41
Methacrylonitrile
Concen: 53.751 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	233290
Ion Ratio	Lower	Upper	
41	100		
39	56.3	50.9	76.3
67	81.1	63.6	95.4
52	32.1	24.4	36.6

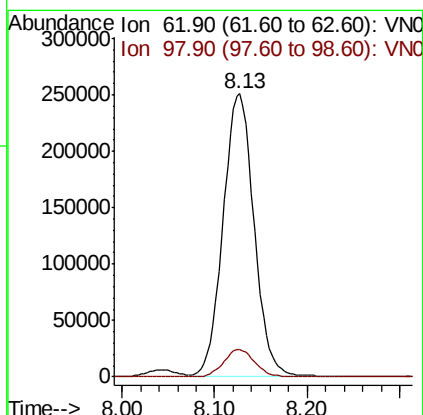
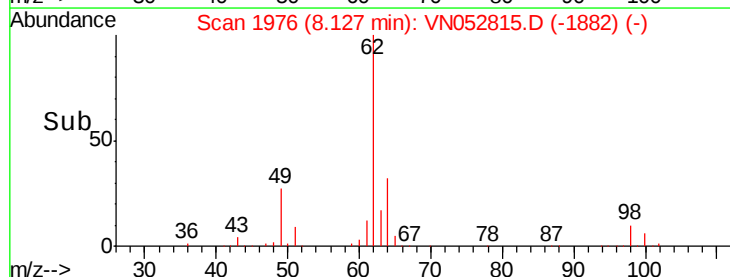
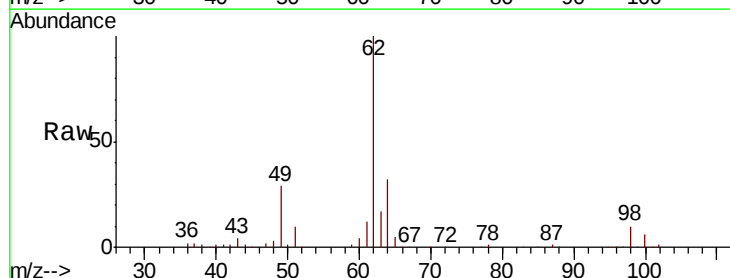
Manual Integrations
APPROVED

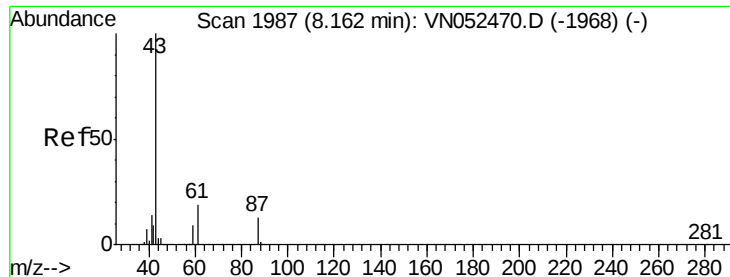
MMDadoda
12/12/2018 11:33:41 AM



#42
1,2-Dichloroethane
Concen: 49.508 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion	62	Resp	581125
Ion Ratio	Lower	Upper	
62	100		
98	9.7	0.0	18.6





#43

Isopropyl Acetate

Concen: 57.053 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

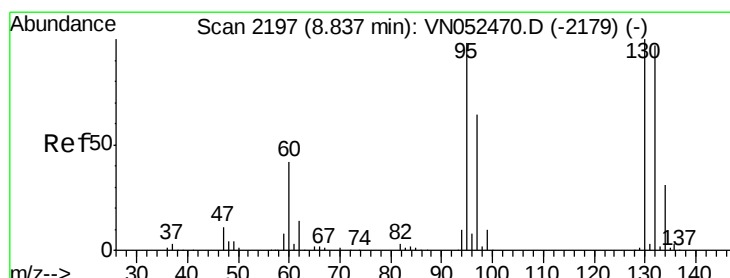
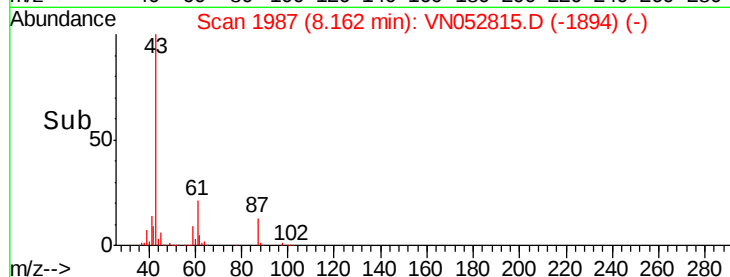
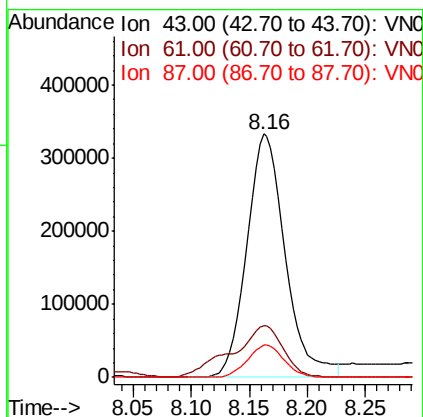
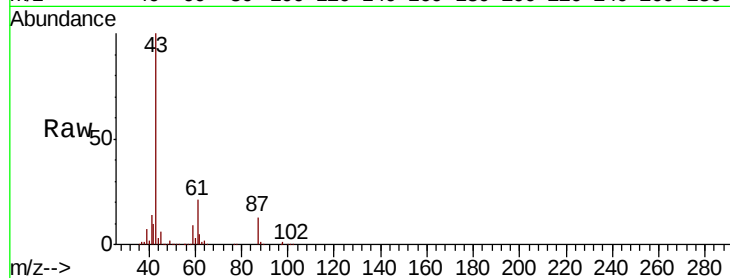
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	766495
Ion	Ratio	Lower	Upper
43	100		
61	27.9	24.1	36.1
87	12.8	10.6	15.8

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#44

Trichloroethene

Concen: 50.012 ug/l

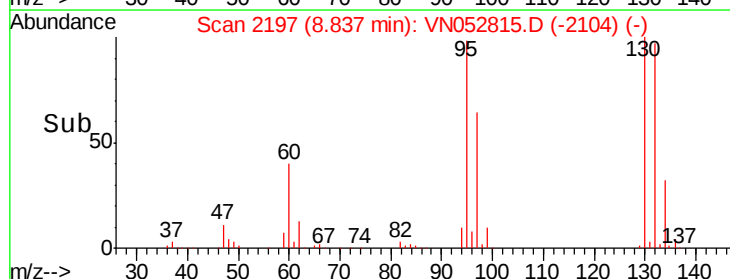
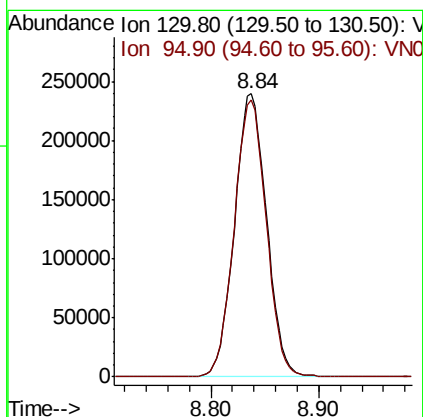
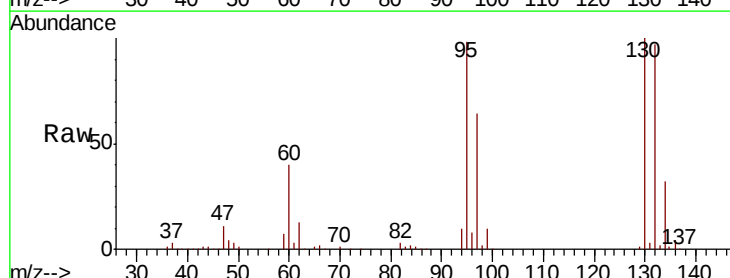
RT: 8.84 min Scan# 2197

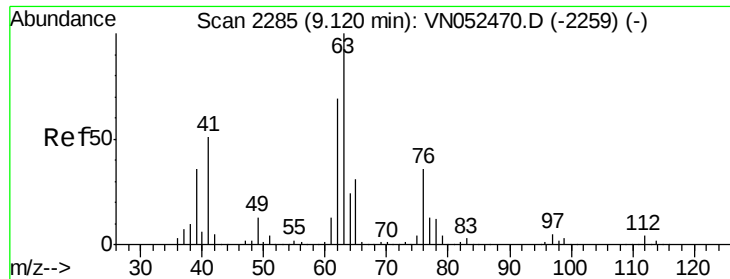
Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Tgt Ion:	130	Resp:	496624
Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	195.6





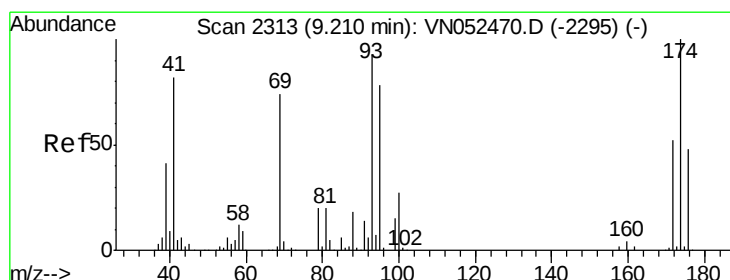
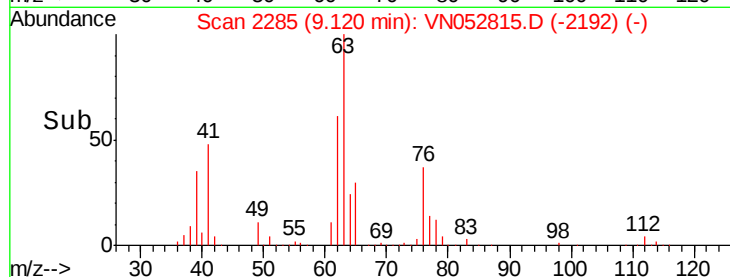
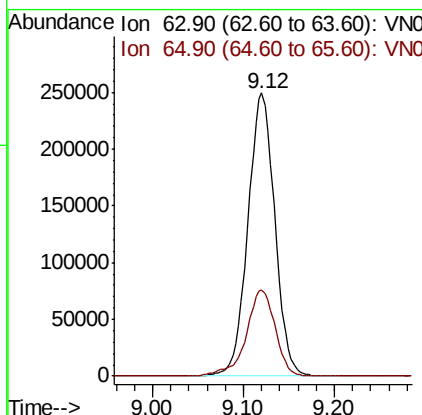
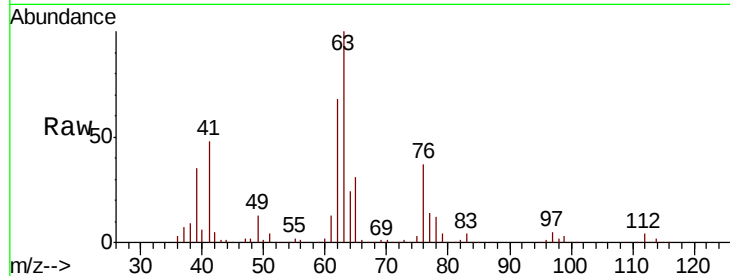
#45
 1,2-Dichloropropane
 Concen: 49.635 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 511564
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6

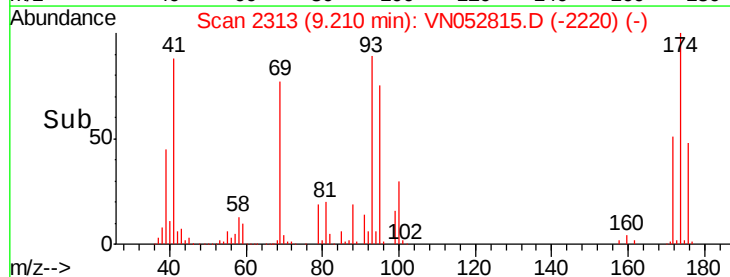
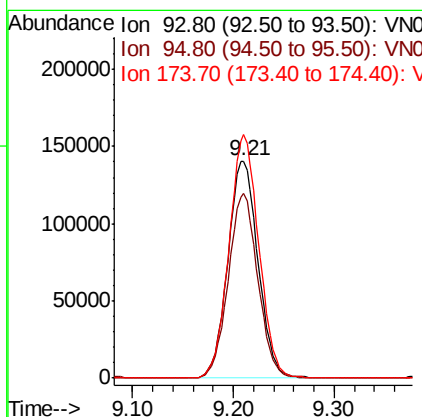
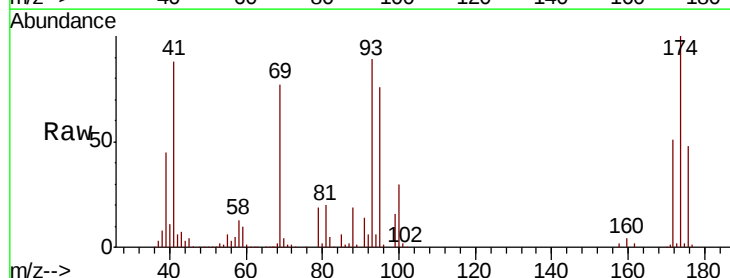
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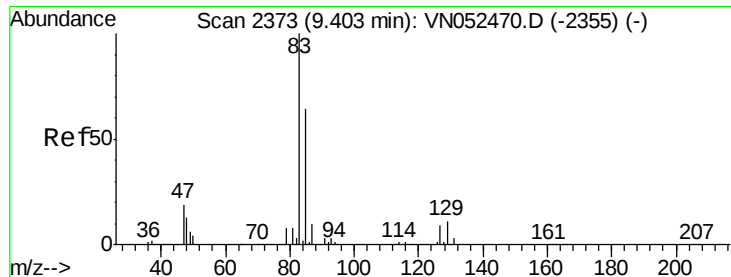
MMDadoda
 12/12/2018 11:33:41 AM



#46
 Dibromomethane
 Concen: 51.360 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Tgt Ion: 93 Resp: 293039
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.1 100.7
 174 110.6 85.8 128.8





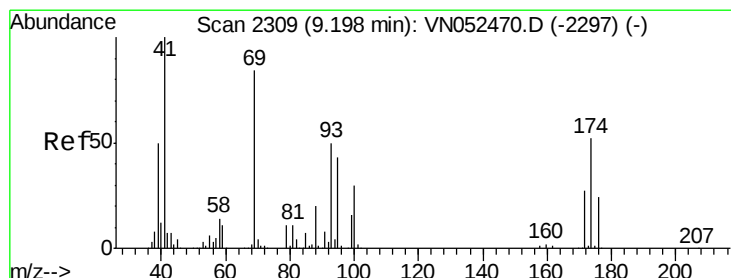
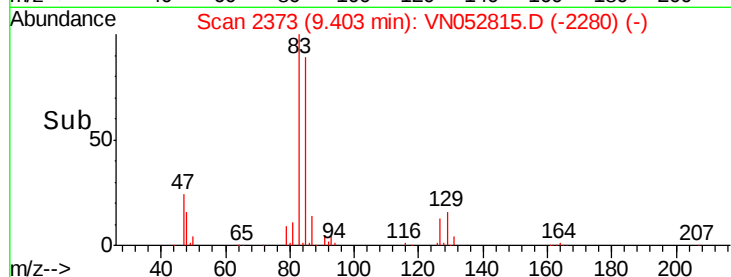
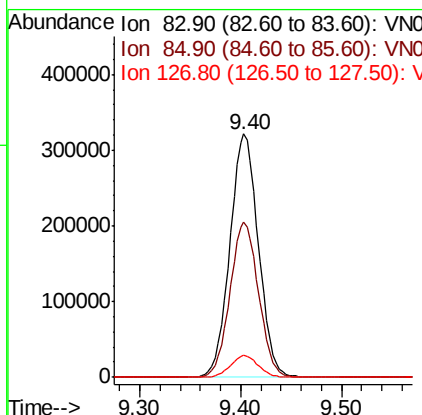
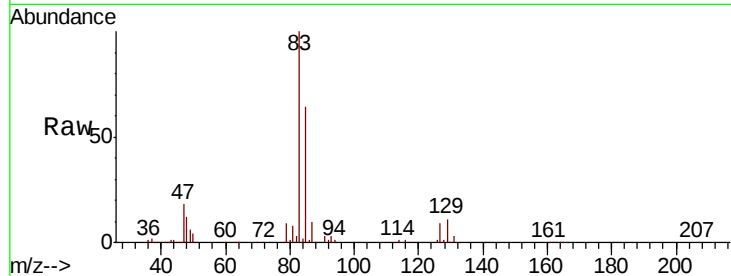
#47
Bromodichloromethane
Concen: 50.934 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.3	76.9
127	8.9	6.9	10.3

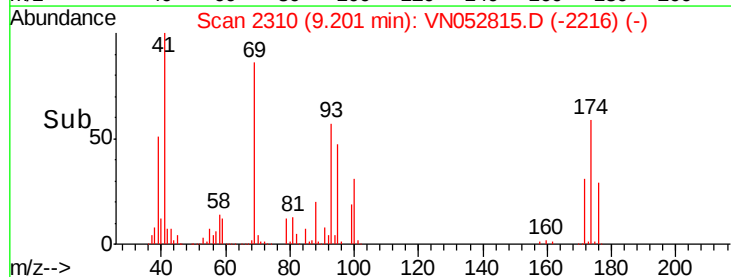
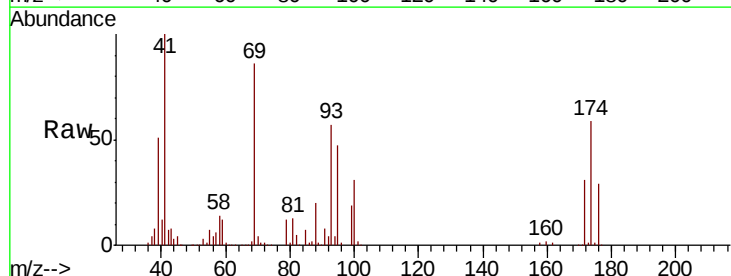
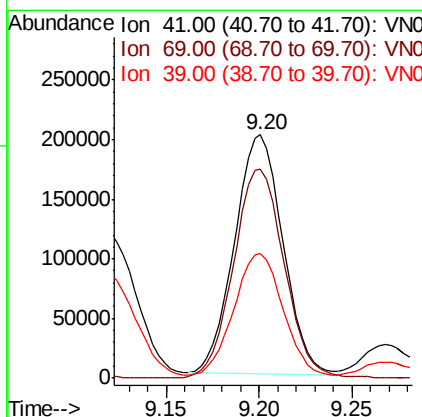
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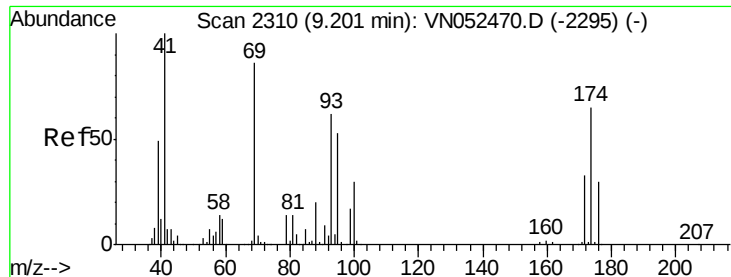
MMDadoda
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#48
Methyl methacrylate
Concen: 52.112 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.5	70.0	105.0
39	53.6	42.6	64.0





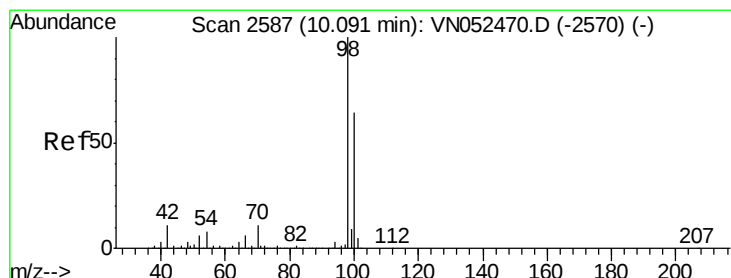
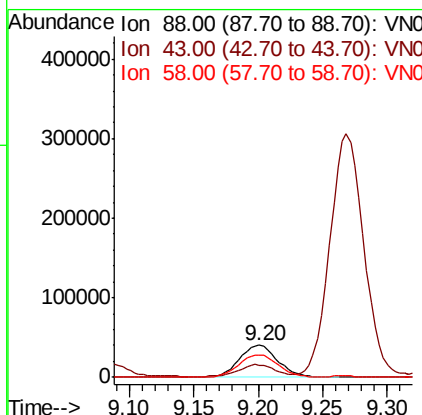
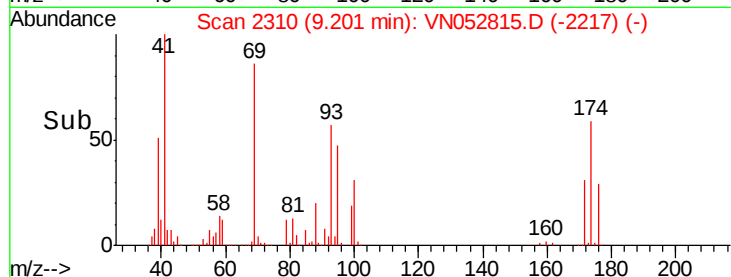
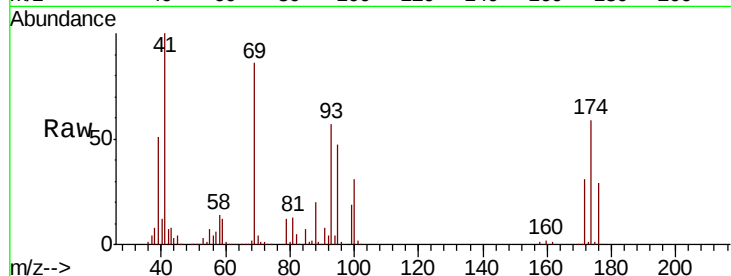
#49
1,4-Dioxane
Concen: 1165.291 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	84720
Ion Ratio	Lower	Upper	
88	100		
43	35.2	26.4	39.6
58	71.2	55.4	83.0

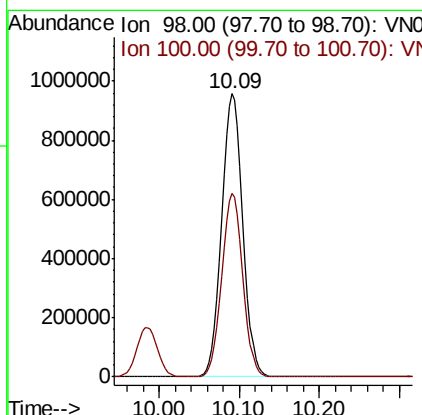
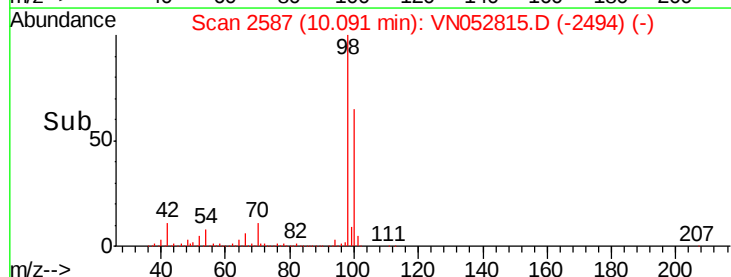
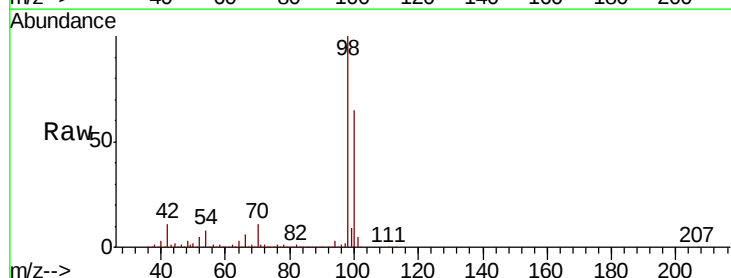
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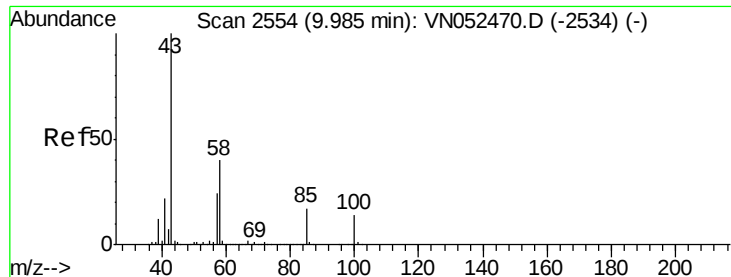
MMDadoda
12/12/2018 11:33:41 AM



#50
Toluene-d8
Concen: 1165.291 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion	98	Resp	1743865
Ion Ratio	Lower	Upper	
98	100		
100	64.5	51.3	76.9





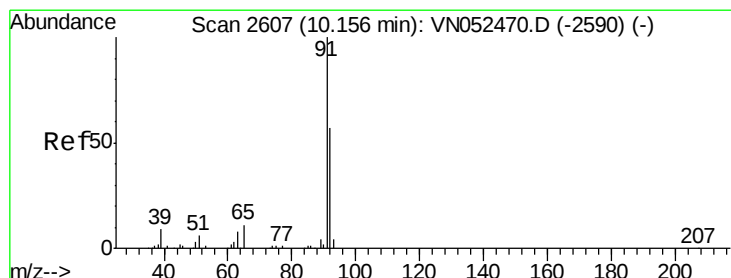
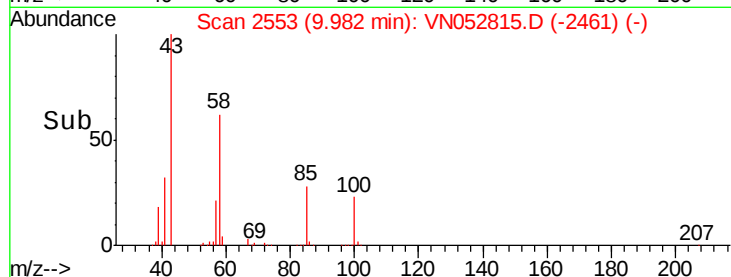
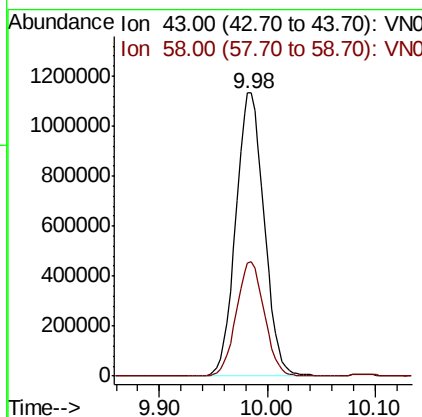
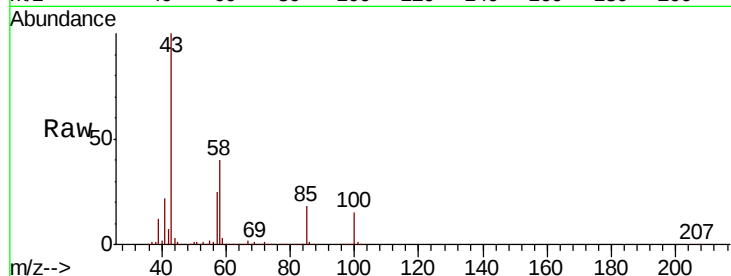
#51
 4-Methyl-2-Pentanone
 Concen: 273.651 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2062743
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.5 47.3

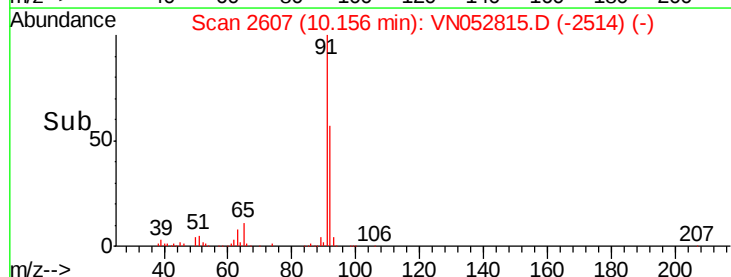
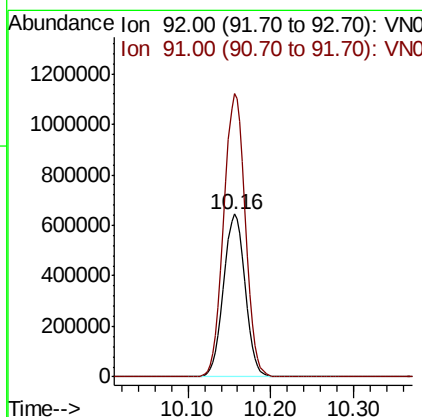
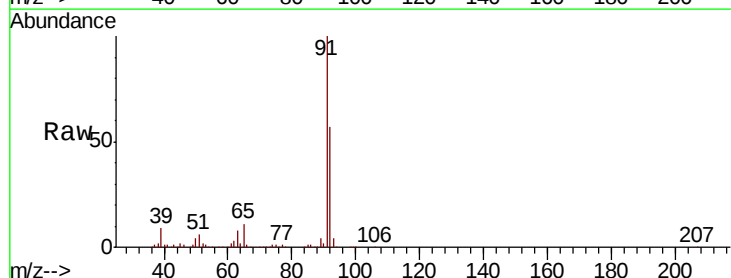
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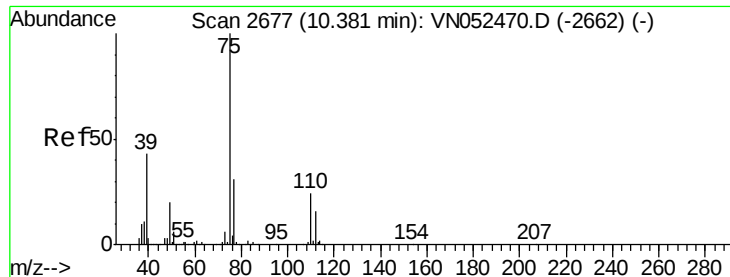
MMDadoda
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#52
 Toluene
 Concen: 50.427 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Tgt Ion: 92 Resp: 1161495
 Ion Ratio Lower Upper
 92 100
 91 173.8 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 52.805 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 630170

Ion Ratio Lower Upper

75 100

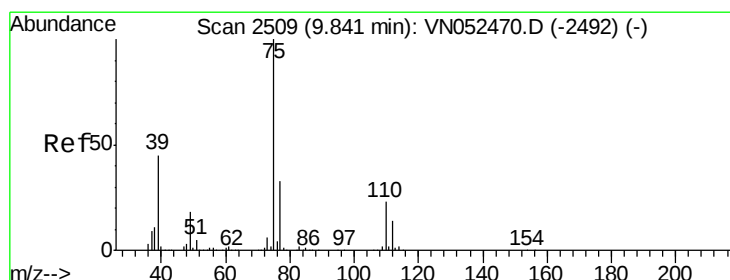
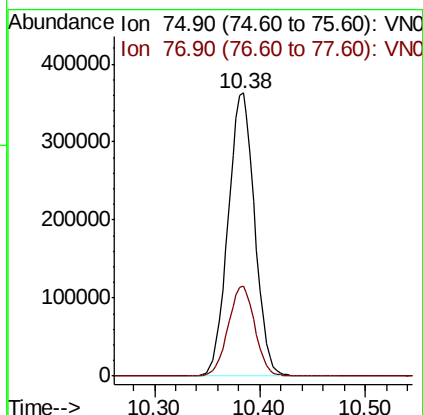
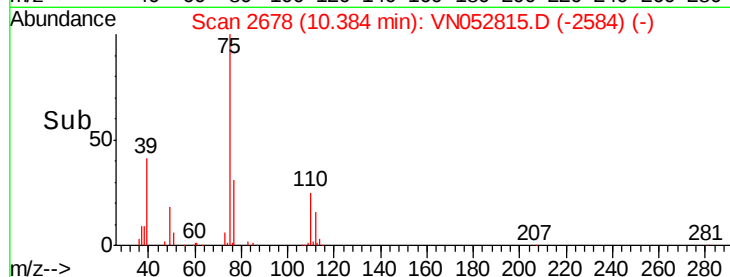
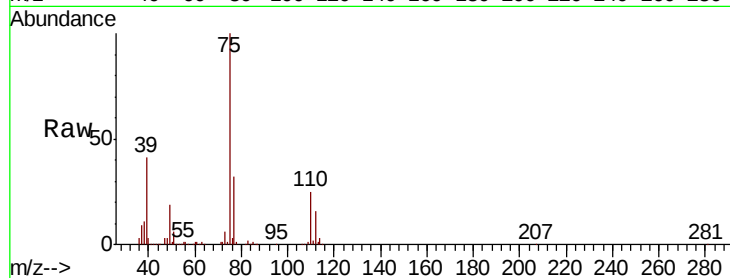
77 31.5 25.0 37.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.341 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

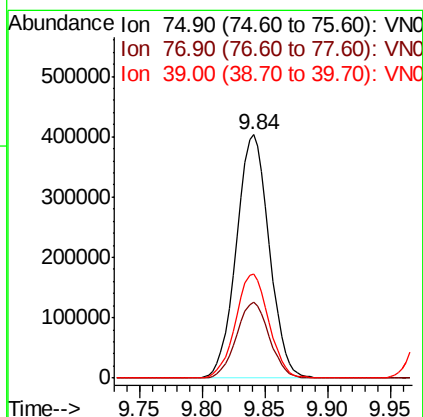
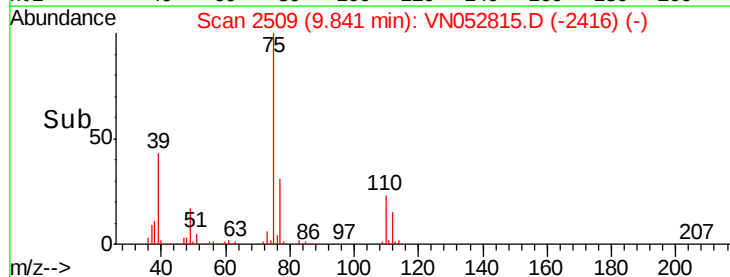
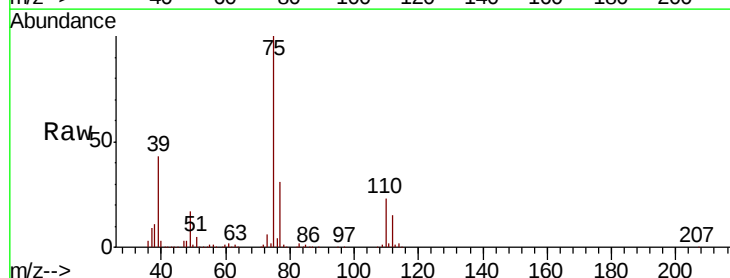
Tgt Ion: 75 Resp: 734229

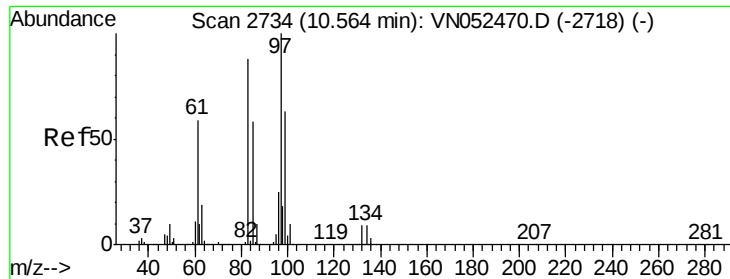
Ion Ratio Lower Upper

75 100

77 31.0 26.2 39.2

39 42.8 36.0 54.0





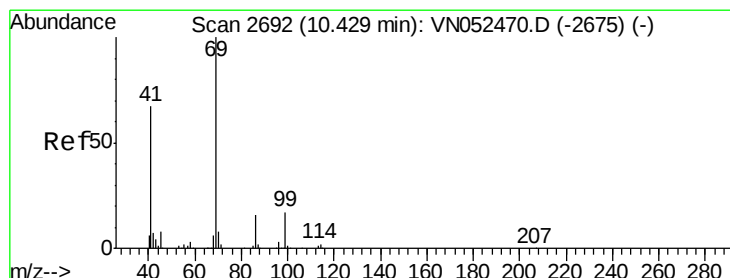
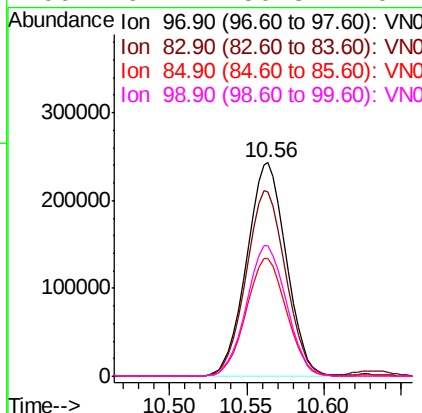
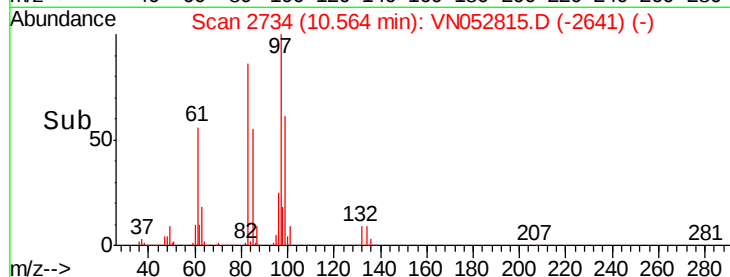
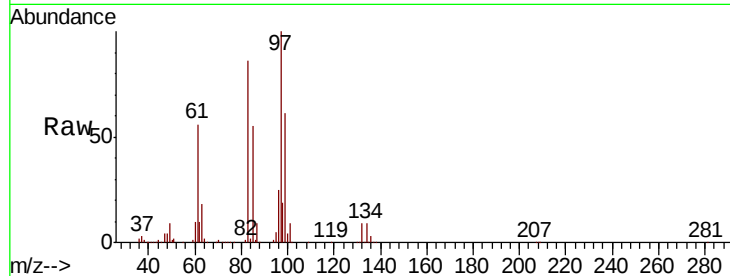
#55
 1,1,2-Trichloroethane
 Concen: 53.522 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	433630
Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.7	106.1
85	55.4	46.1	69.1
99	61.2	50.8	76.2

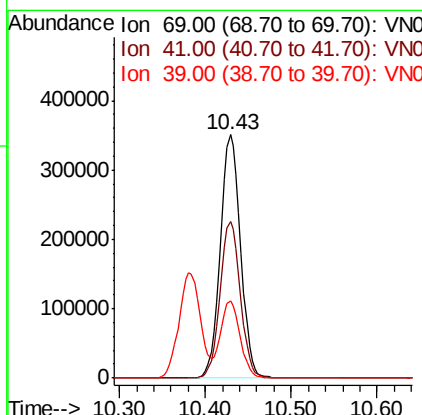
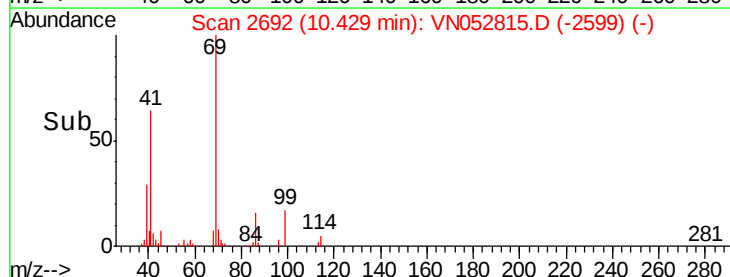
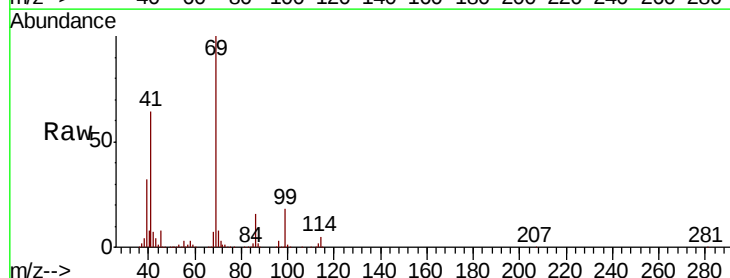
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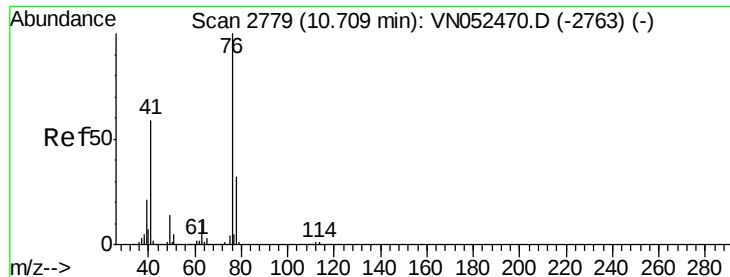
MMDadoda
 12/12/2018 11:33:41 AM



#56
 Ethyl methacrylate
 Concen: 50.924 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Tgt Ion:	69	Resp:	573507
Ion	Ratio	Lower	Upper
69	100		
41	63.9	52.6	79.0
39	30.8	25.9	38.9





#57

1,3-Dichloropropane

Concen: 51.088 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 730857

Ion Ratio Lower Upper

76 100

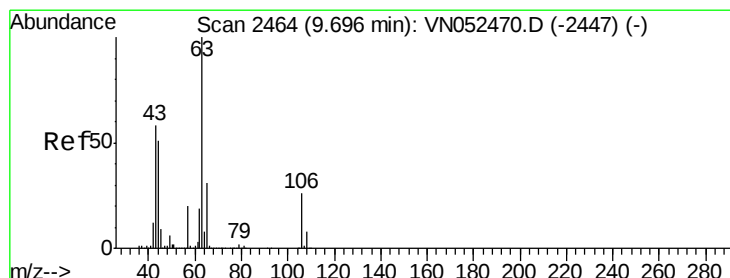
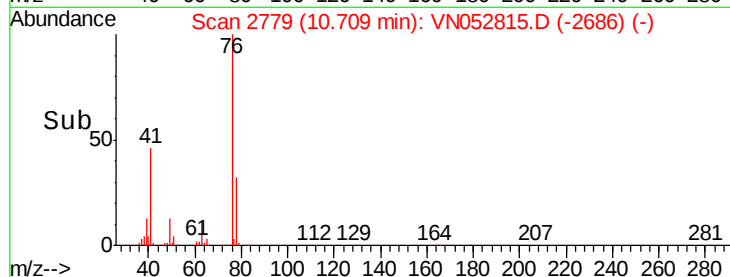
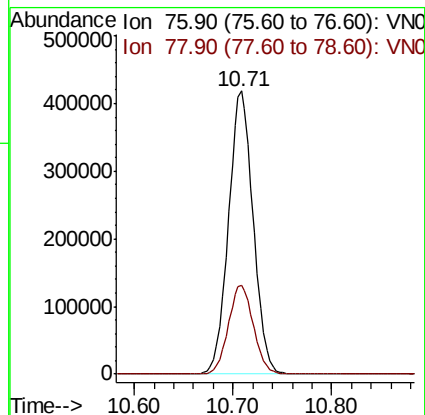
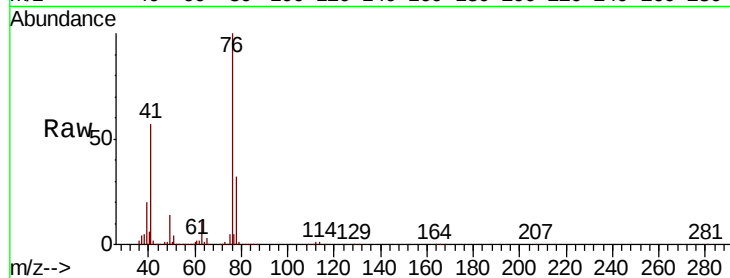
78 32.1 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 269.476 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052815.D

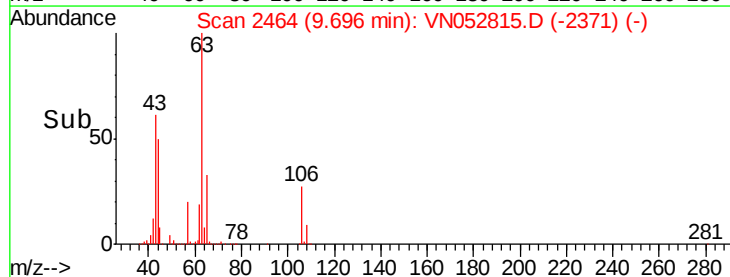
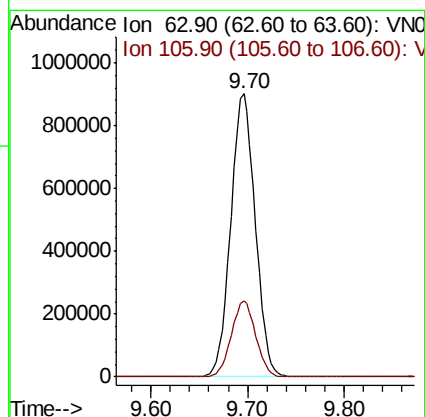
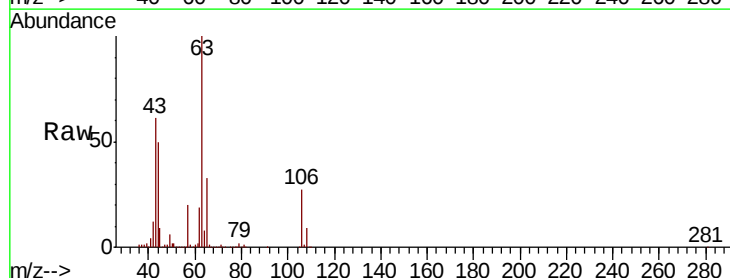
Acq: 11 Dec 2018 21:03

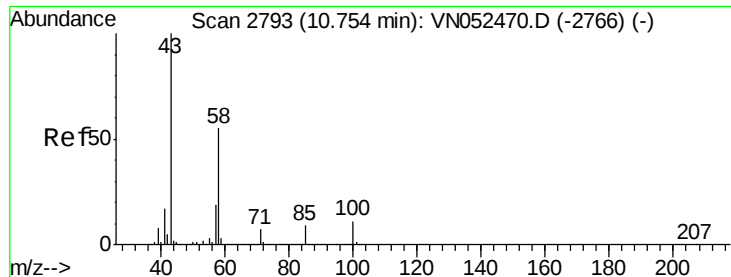
Tgt Ion: 63 Resp: 1584241

Ion Ratio Lower Upper

63 100

106 26.7 20.6 30.8





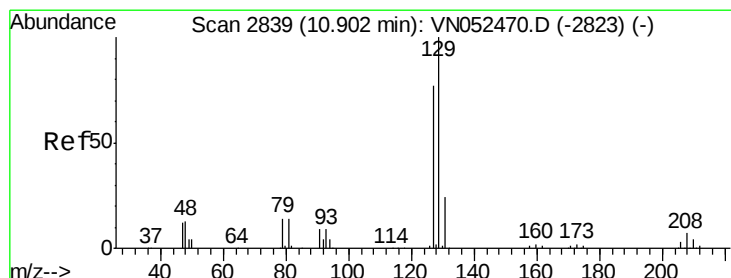
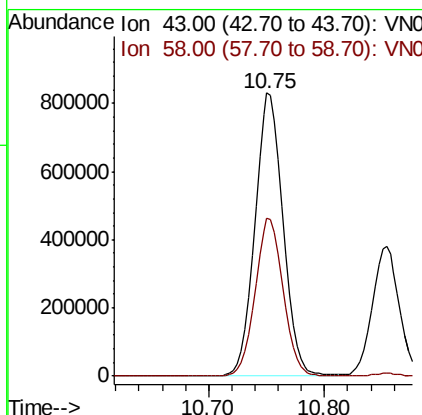
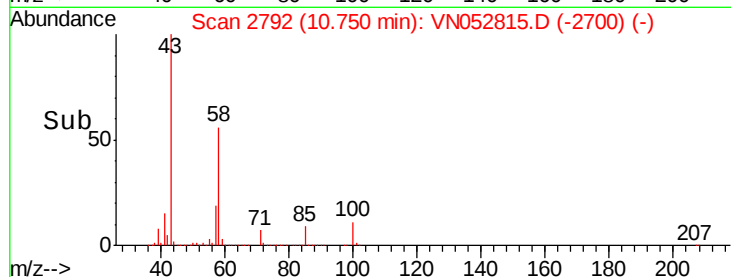
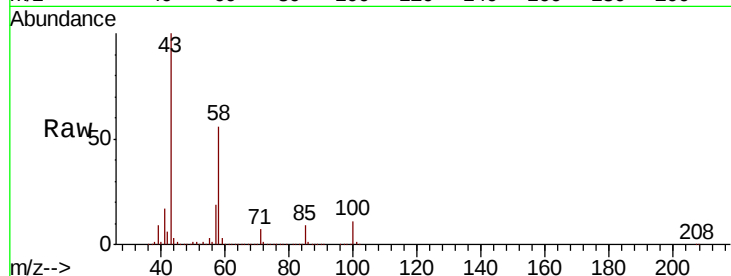
#59
2-Hexanone
Concen: 276.882 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1400760
Ion Ratio Lower Upper
43 100
58 55.7 27.4 82.0

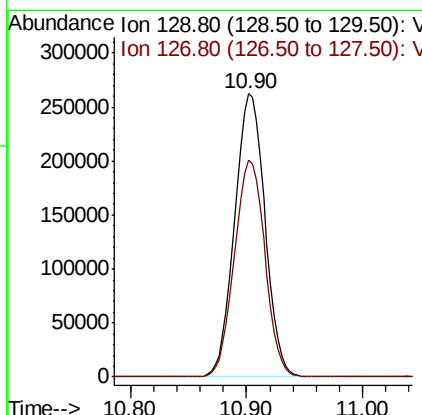
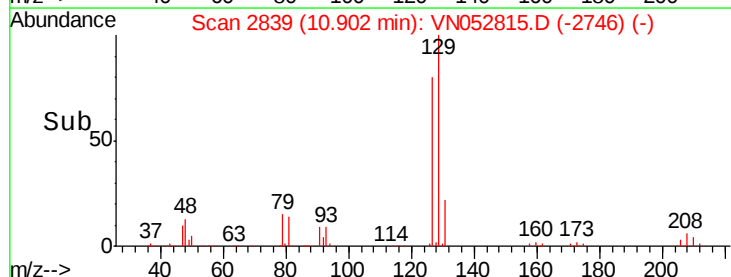
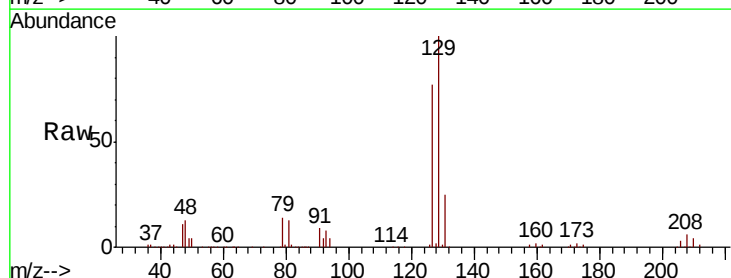
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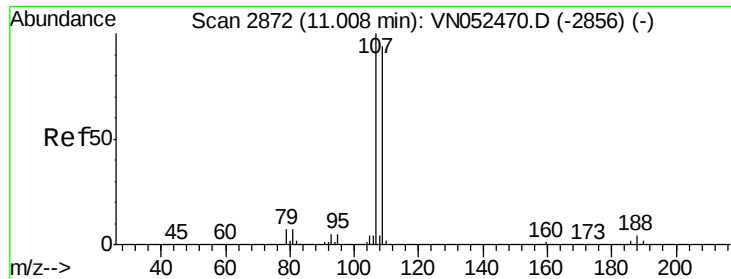
MMDadoda
12/12/2018 11:33:41 AM



#60
Dibromochloromethane
Concen: 53.953 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion: 129 Resp: 474766
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.6





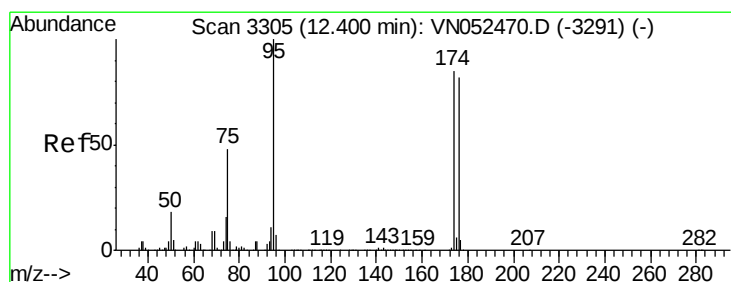
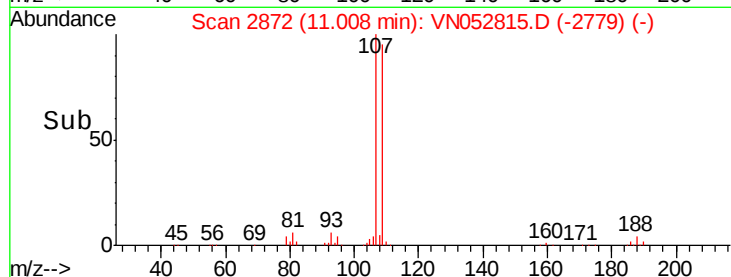
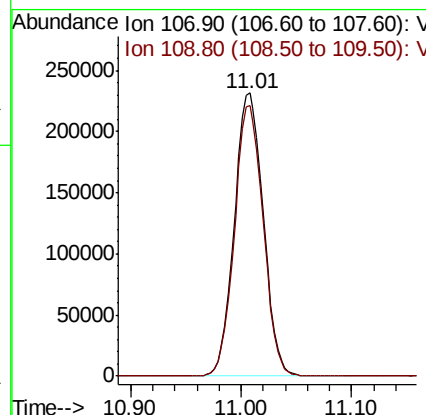
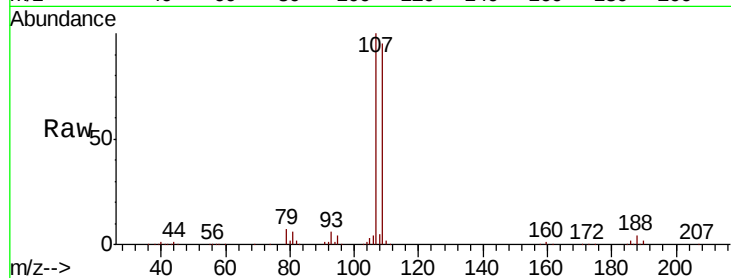
#61
 1,2-Dibromoethane
 Concen: 52.300 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.6	113.4

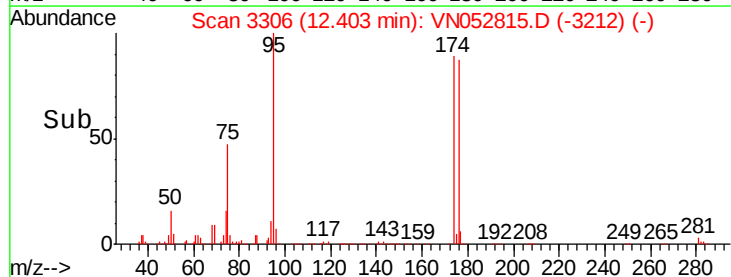
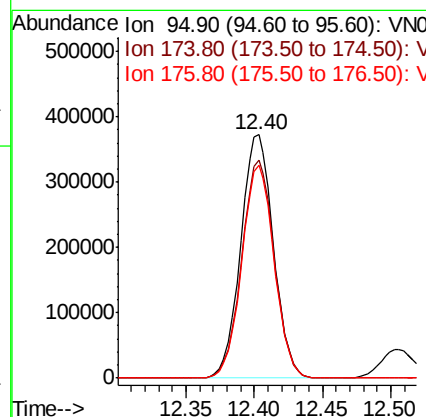
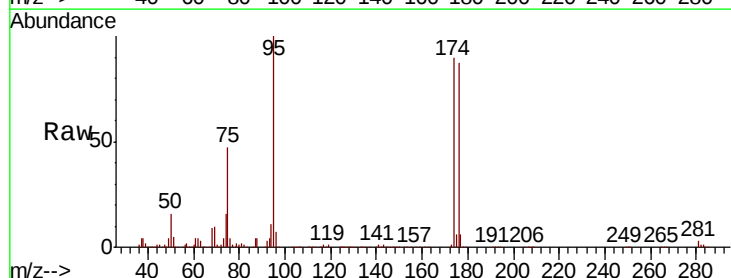
Manual Integrations
 APPROVED

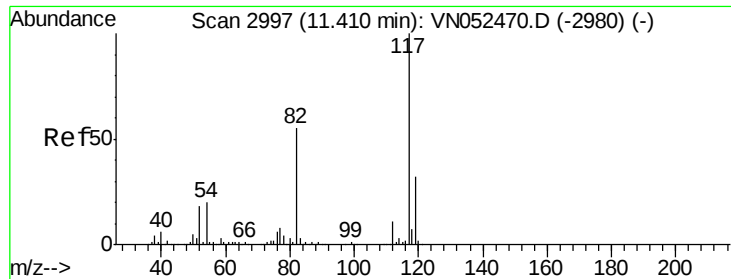
MMDadoda
 12/12/2018 11:33:41 AM



#62
 4-Bromofluorobenzene
 Concen: 52.300 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.3	0.0	173.0
176	86.5	0.0	166.2





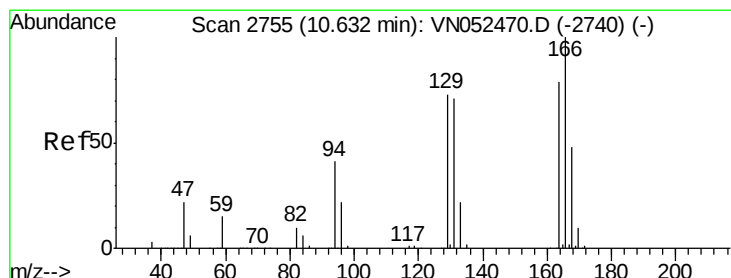
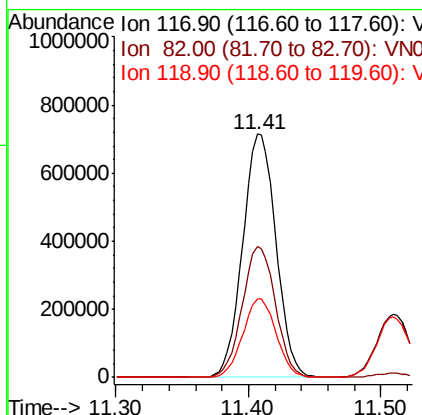
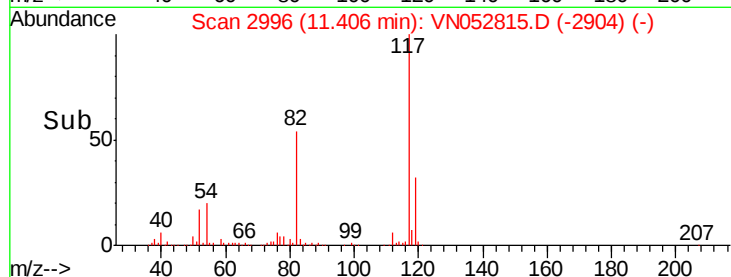
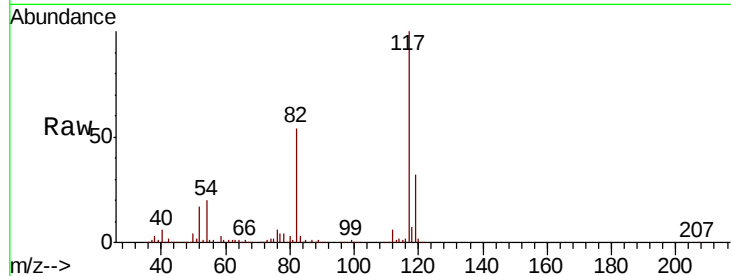
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1244219
Ion Ratio Lower Upper
117 100
82 53.5 43.6 65.4
119 32.3 25.4 38.2

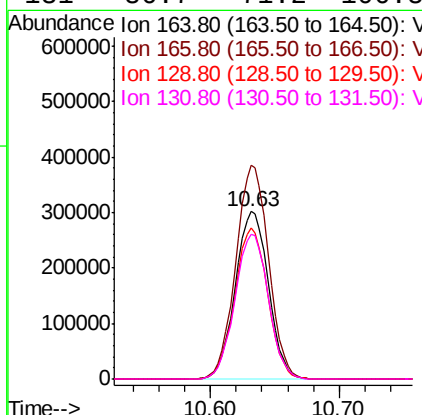
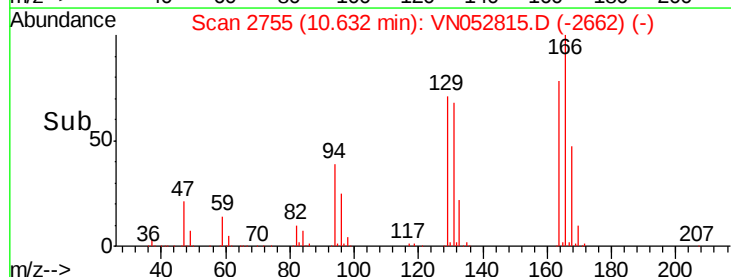
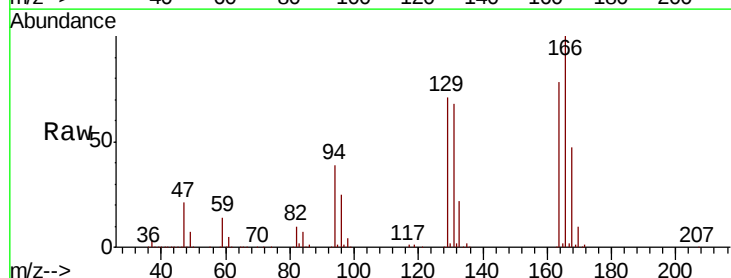
Manual Integrations
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#64
Tetrachloroethene
Concen: 55.889 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion:164 Resp: 539146
Ion Ratio Lower Upper
164 100
166 127.6 101.0 151.4
129 90.0 73.8 110.6
131 86.7 71.2 106.8





#65

Chlorobenzene

Concen: 50.042 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 1283867

Ion Ratio Lower Upper

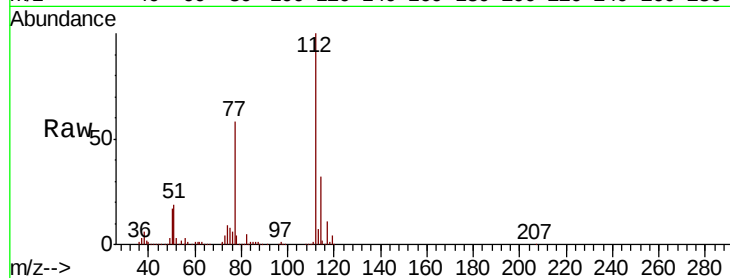
112 100

114 32.1 25.8 38.6

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

800000

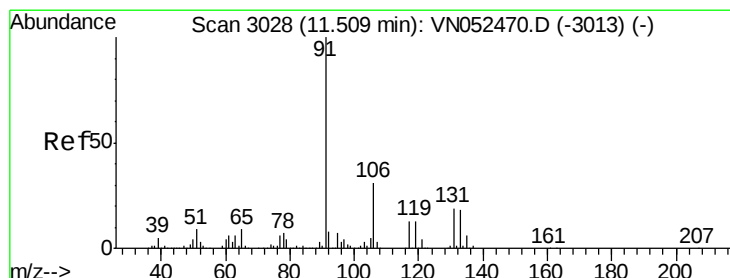
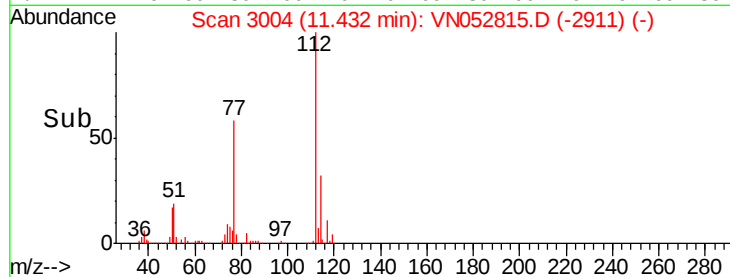
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 52.257 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

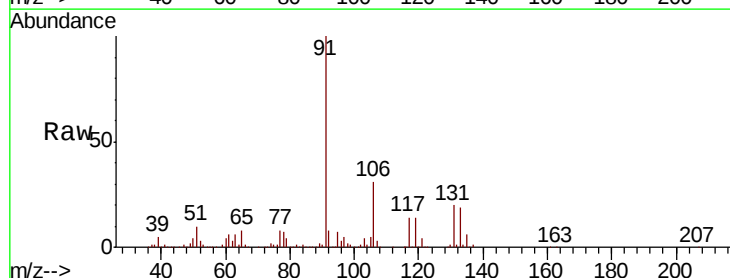
Tgt Ion:131 Resp: 466161

Ion Ratio Lower Upper

131 100

133 94.9 47.6 142.8

119 66.4 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

11.51

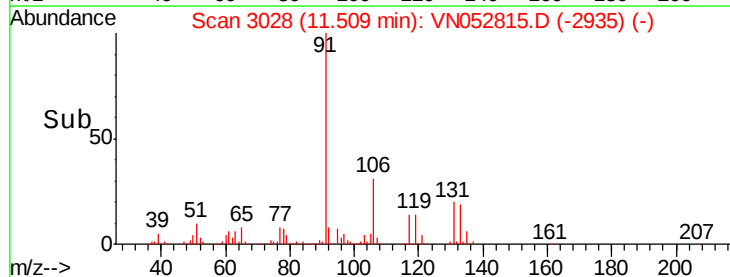
300000

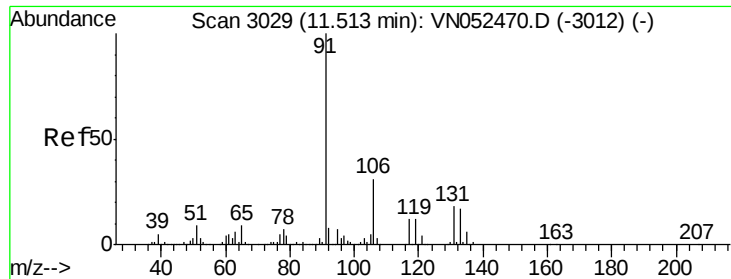
200000

100000

0

Time-->





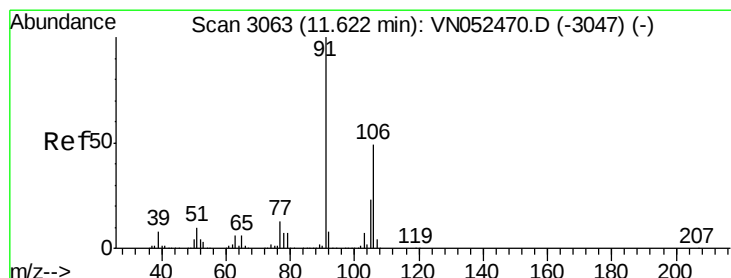
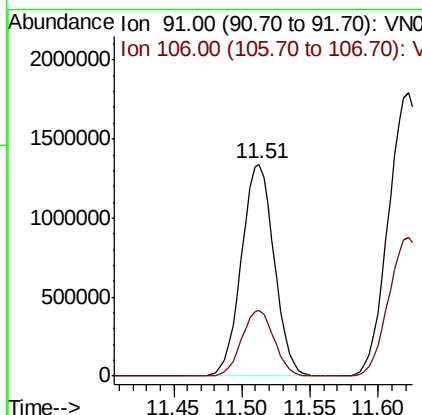
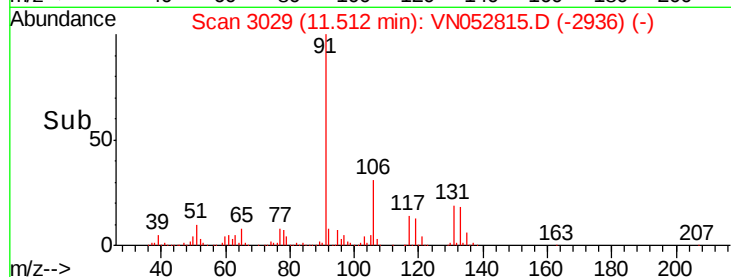
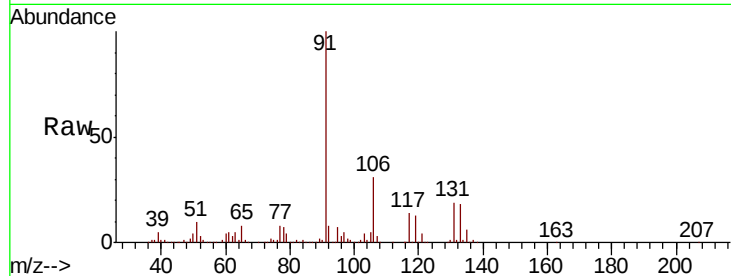
#67
Ethyl Benzene
Concen: 49.669 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2231522
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3

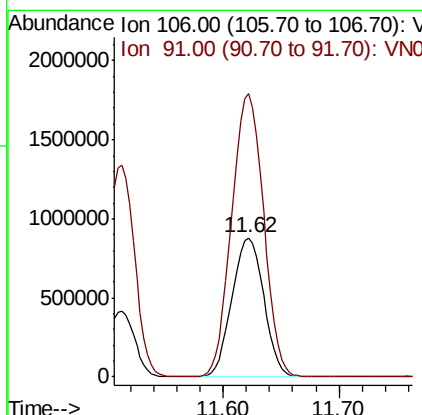
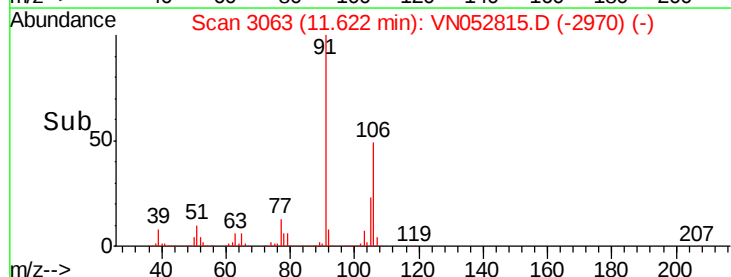
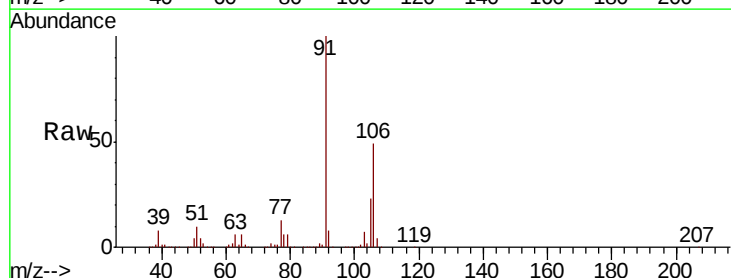
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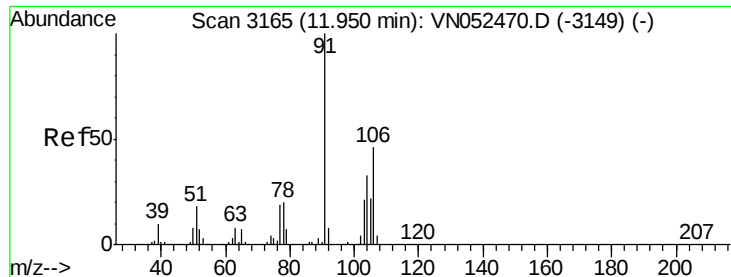
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#68
m/p-Xylenes
Concen: 100.162 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion: 106 Resp: 1675260
Ion Ratio Lower Upper
106 100
91 204.0 163.2 244.8





#69

o-Xylene

Concen: 51.047 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 829099

Ion Ratio Lower Upper

106 100

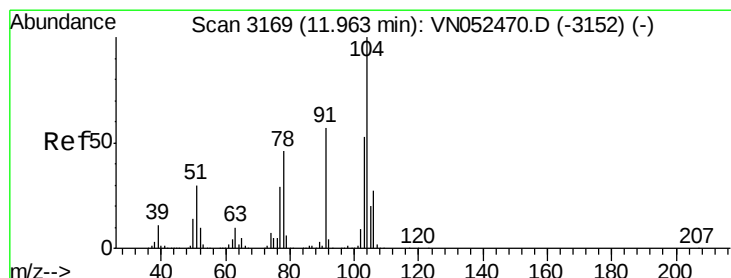
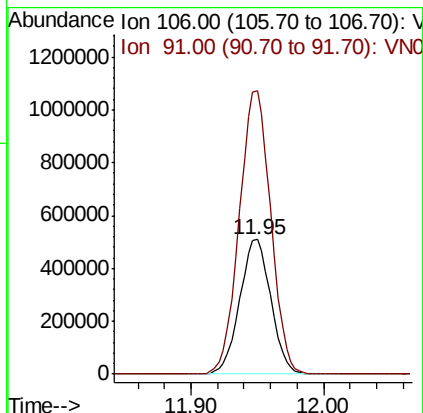
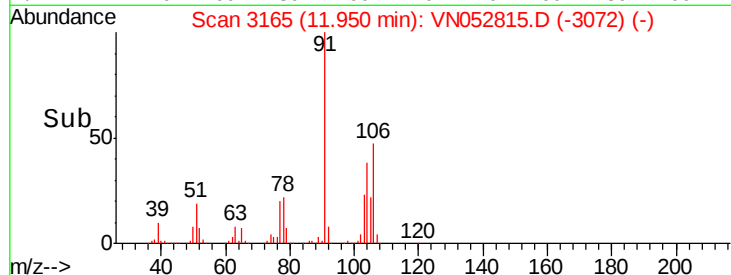
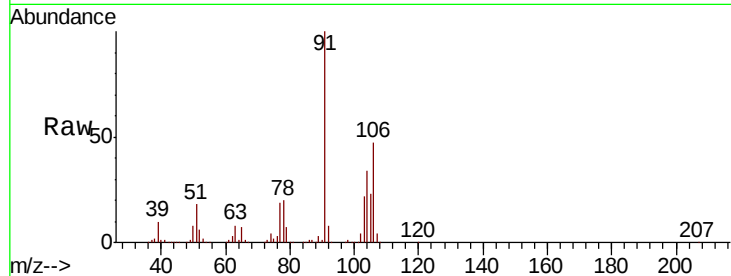
91 213.2 107.7 323.1

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#70

Styrene

Concen: 53.386 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

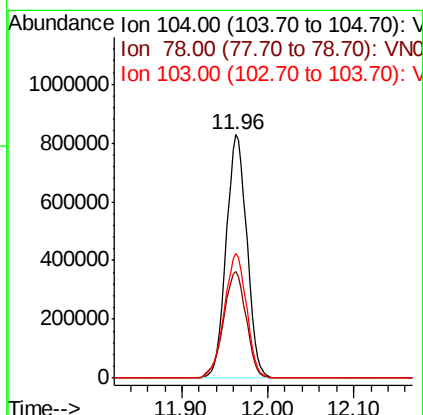
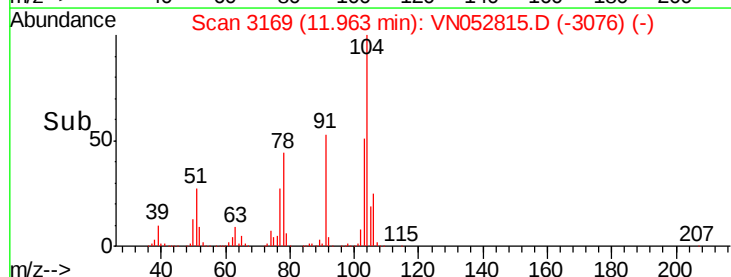
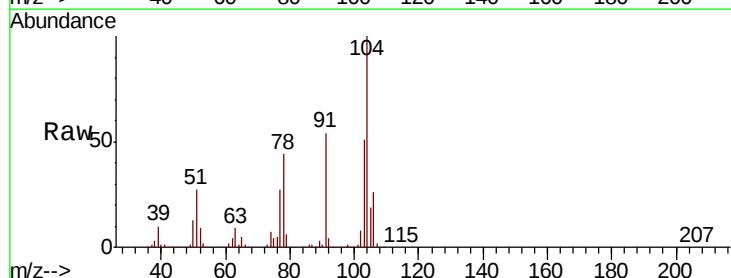
Tgt Ion:104 Resp: 1381059

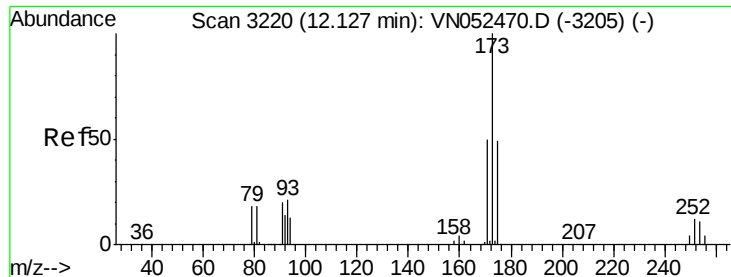
Ion Ratio Lower Upper

104 100

78 48.1 39.4 59.2

103 55.4 44.9 67.3





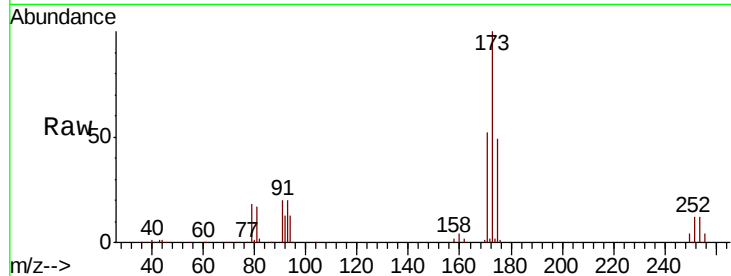
#71
Bromoform
Concen: 55.461 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.2
254	0.1	0.1	0.1

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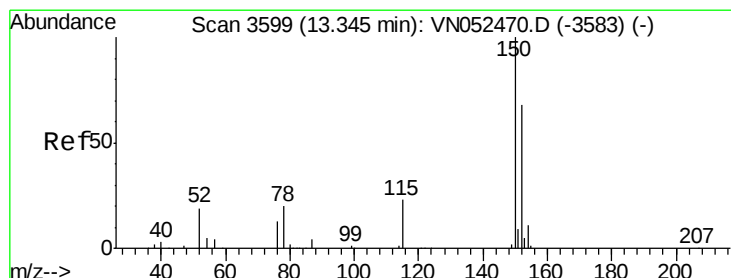
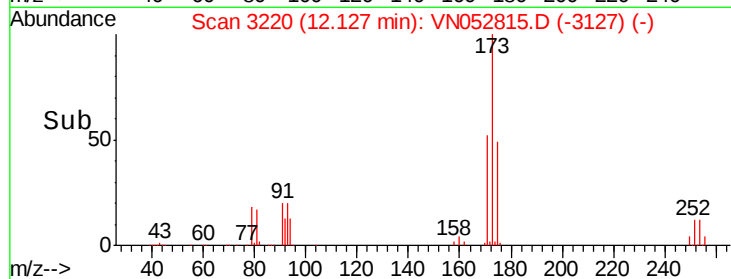
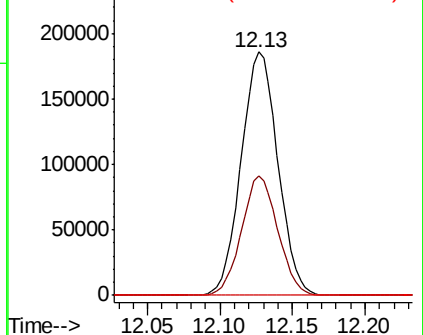


Abundance

Ion 172.70 (172.40 to 173.40): V

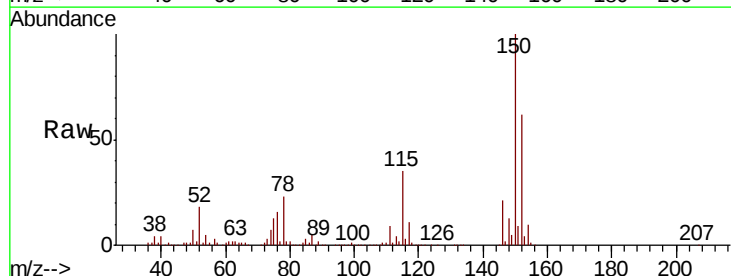
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.4	85.2
150	173.4	0.0	346.0

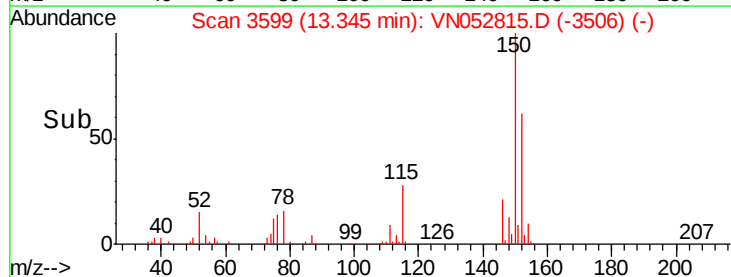
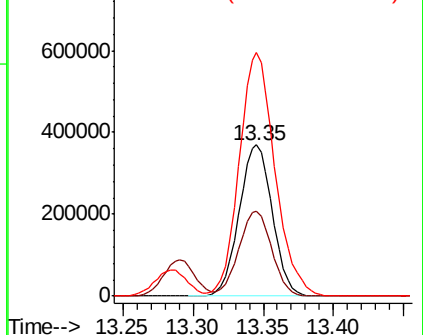


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.745 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2227913

Ion Ratio Lower Upper

105 100

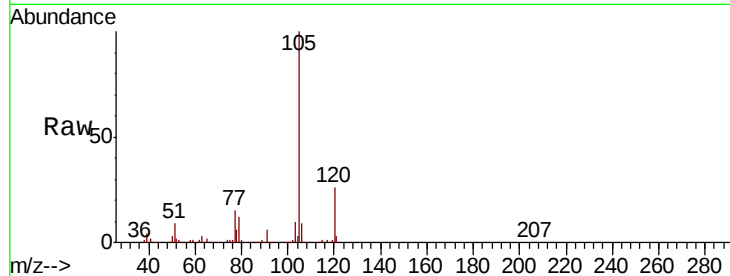
120 26.5 13.1 39.3

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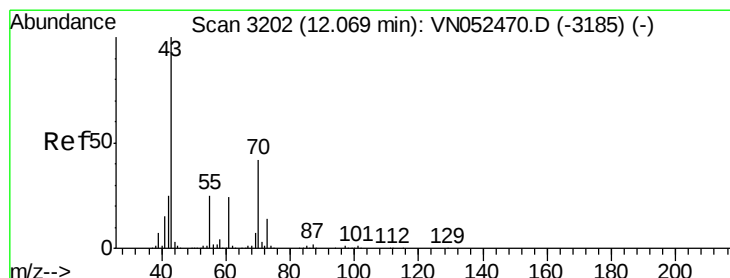
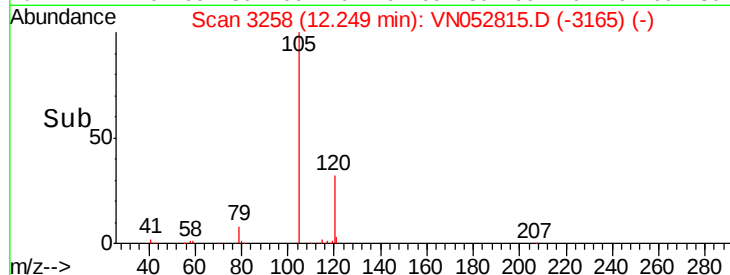
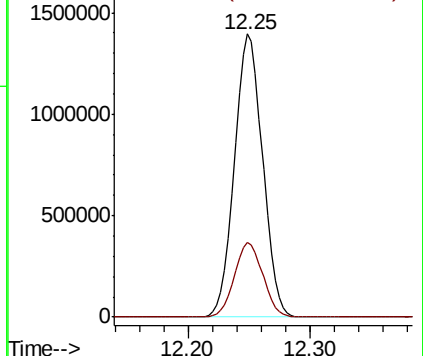
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.190 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Tgt Ion: 43 Resp: 652498

Ion Ratio Lower Upper

43 100

70 43.6 33.8 50.8

55 25.4 20.0 30.0

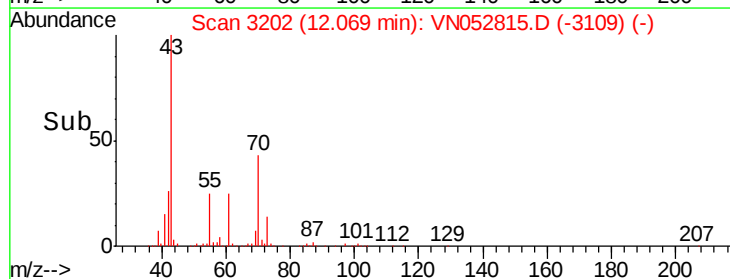
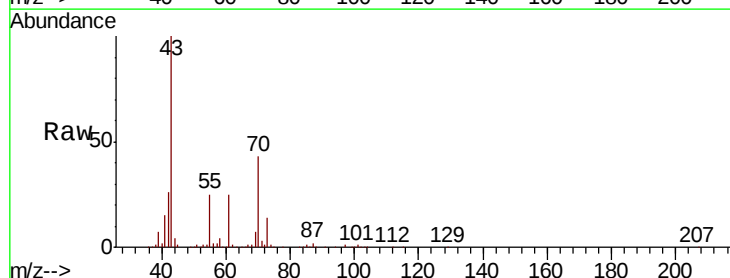
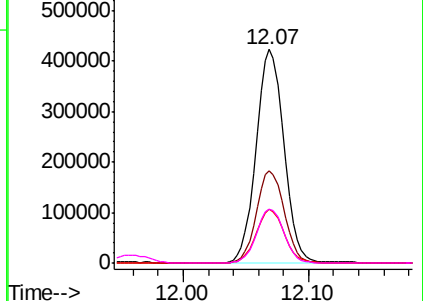
61 25.1 19.7 29.5

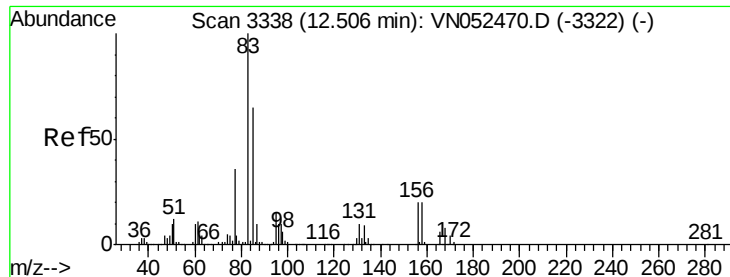
Abundance Ion 43.00 (42.70 to 43.70): V

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: 47.315 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

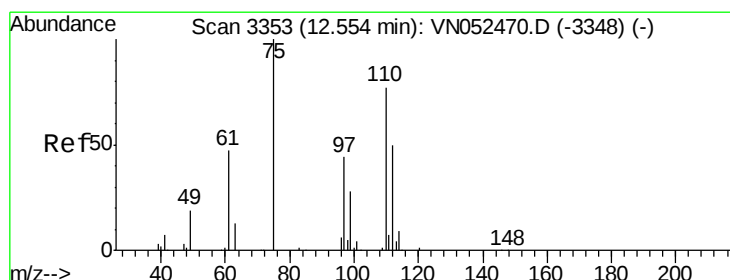
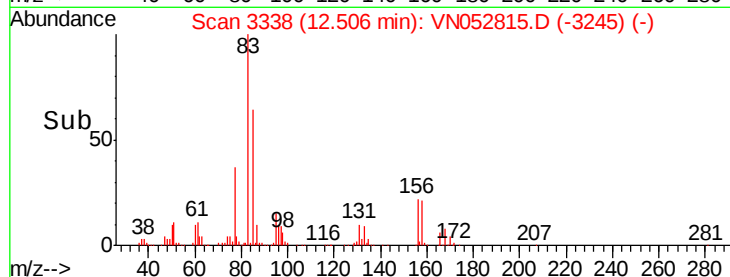
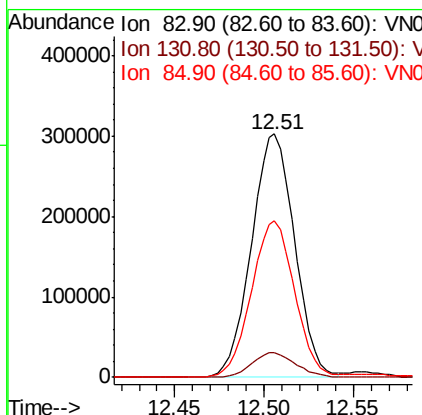
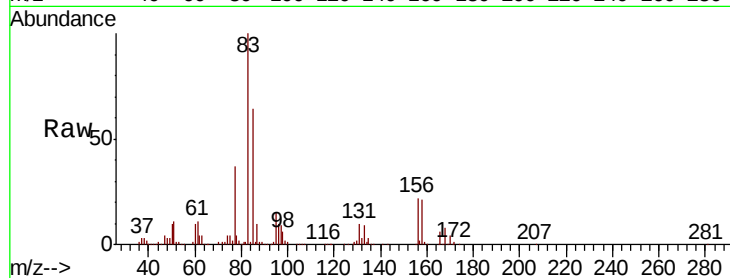
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	512982
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	15.0
85	64.2	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 47.707 ug/l m

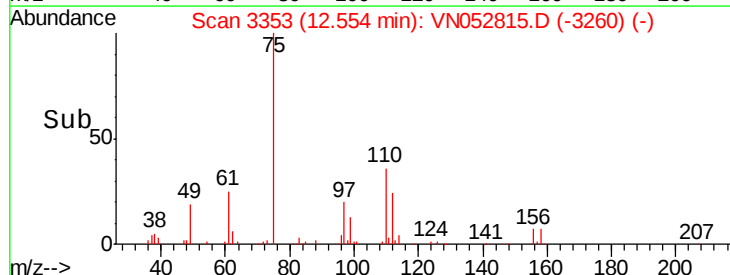
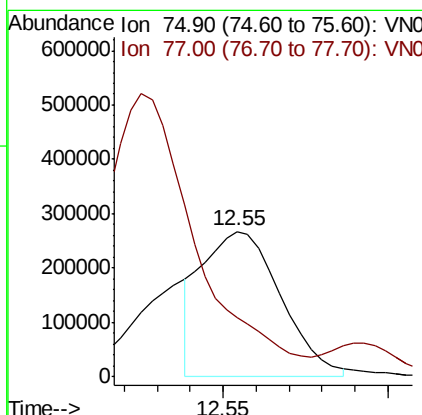
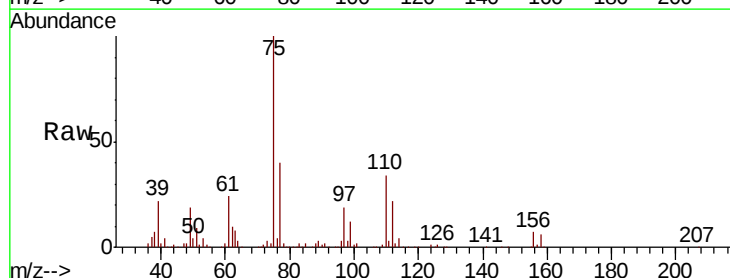
RT: 12.55 min Scan# 3353

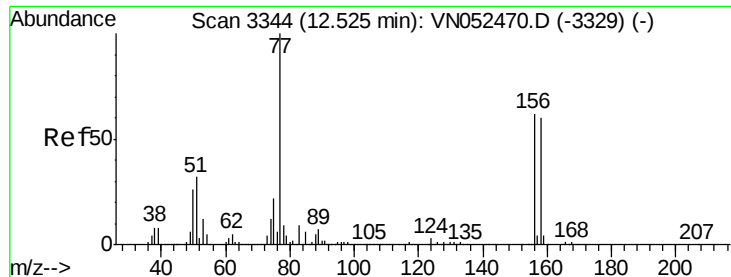
Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Tgt Ion:	75	Resp:	446905
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.381 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

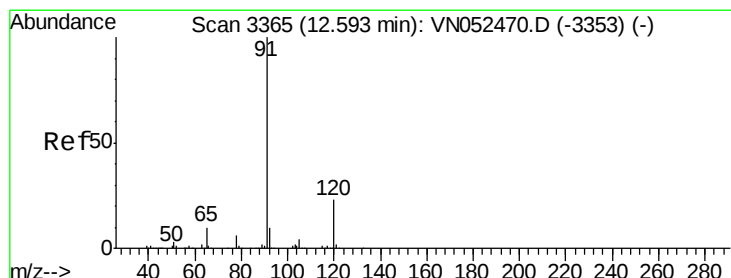
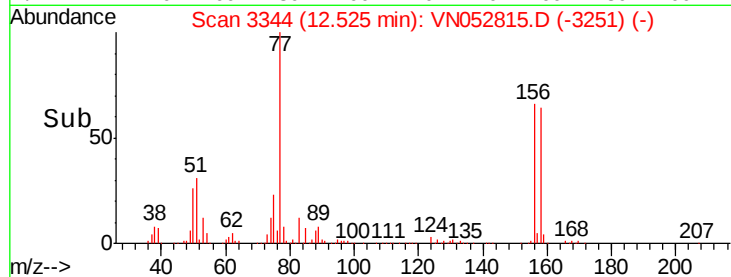
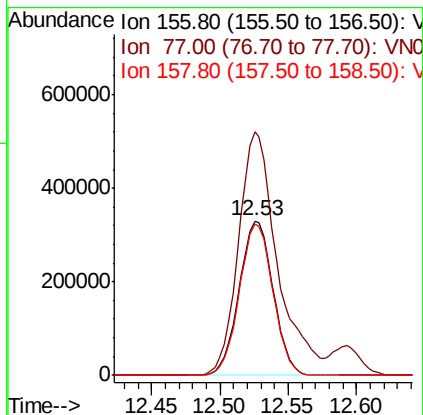
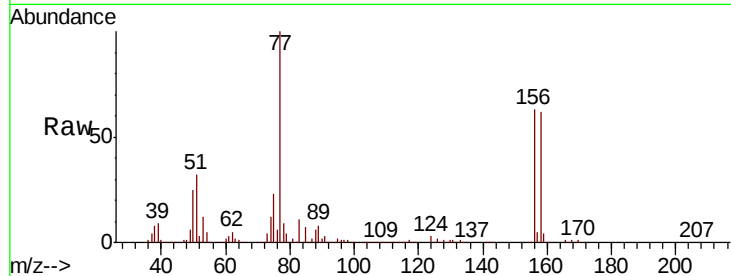
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	569951
Ion Ratio	Lower	Upper	
156	100		
77	181.5	93.5	280.4
158	97.1	48.3	144.9

Manual Integrations
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#78

n-propylbenzene

Concen: 47.125 ug/l

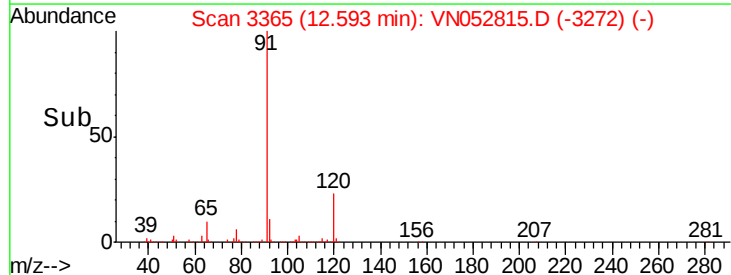
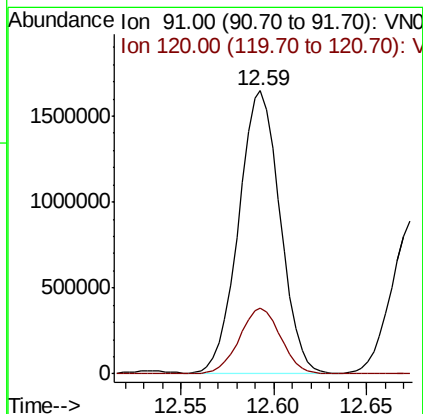
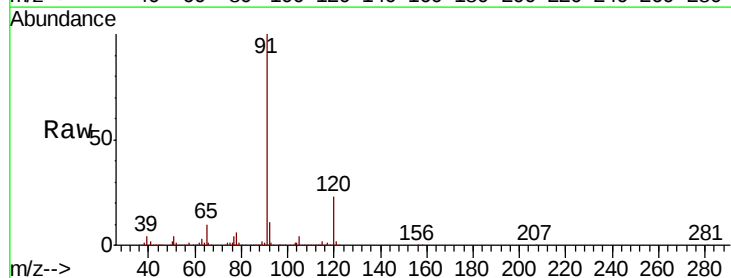
RT: 12.59 min Scan# 3365

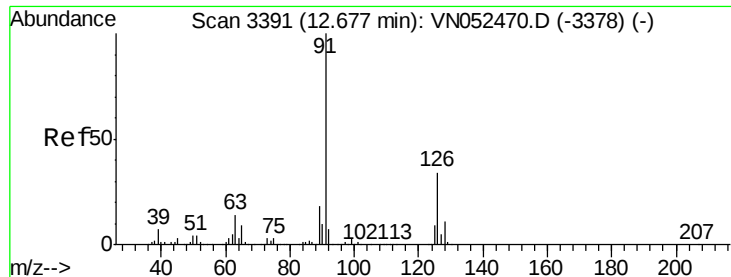
Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Tgt Ion:	91	Resp:	2551576
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.3	33.9





#79

2-Chlorotoluene

Concen: 46.736 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 1506918

Ion Ratio Lower Upper

91 100

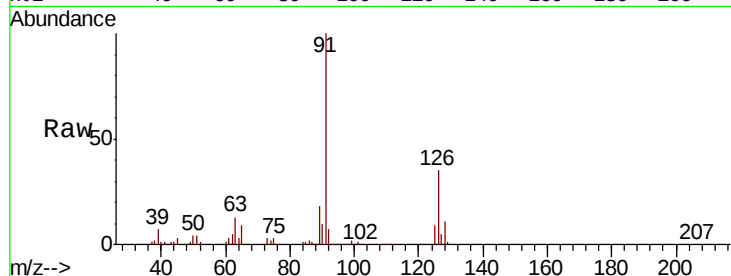
126 35.0 17.2 51.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052470.D (-3378) (-)

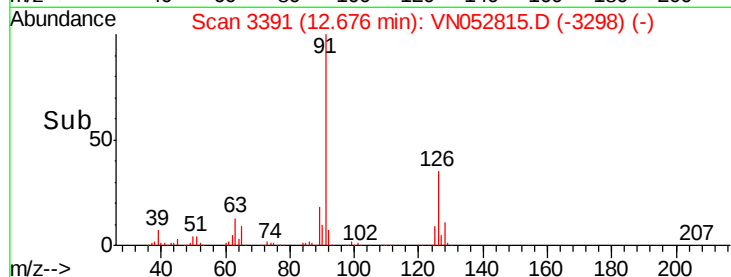
1500000

1000000

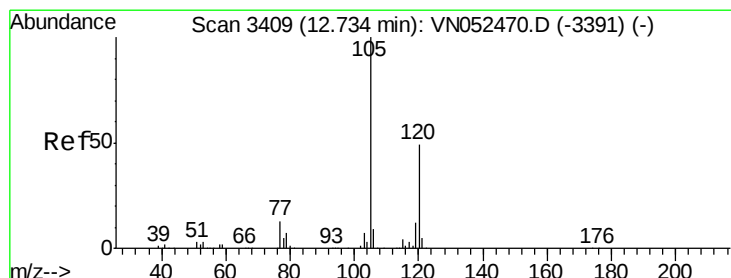
500000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.531 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052815.D

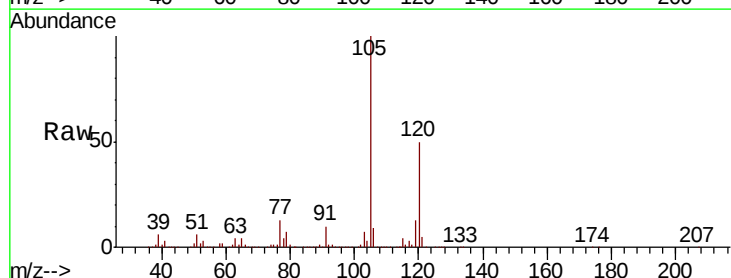
Acq: 11 Dec 2018 21:03

Tgt Ion:105 Resp: 1806718

Ion Ratio Lower Upper

105 100

120 49.5 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052470.D (-3391) (-)

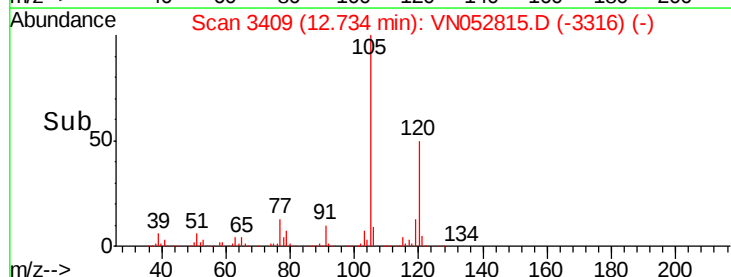
Ion 120.00 (119.70 to 120.70): VN052470.D (-3391) (-)

1000000

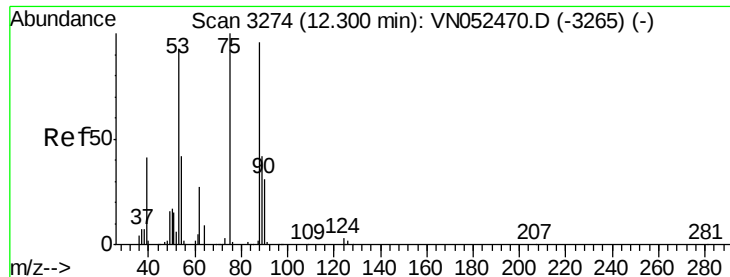
500000

0

12.70 12.80



Time-->



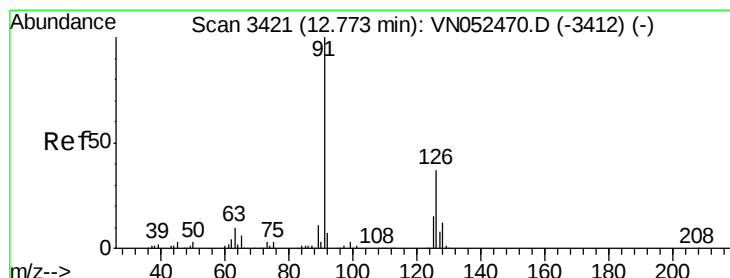
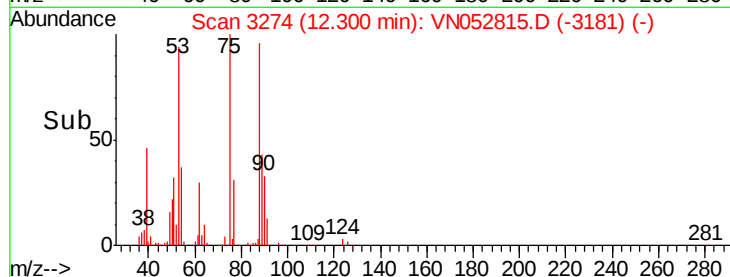
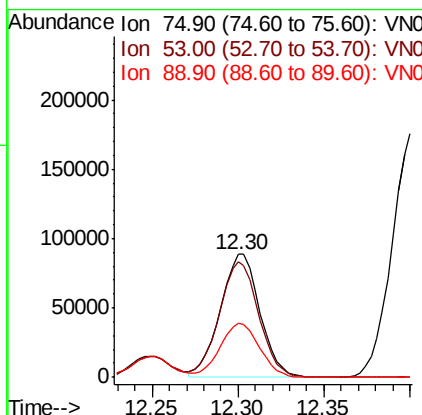
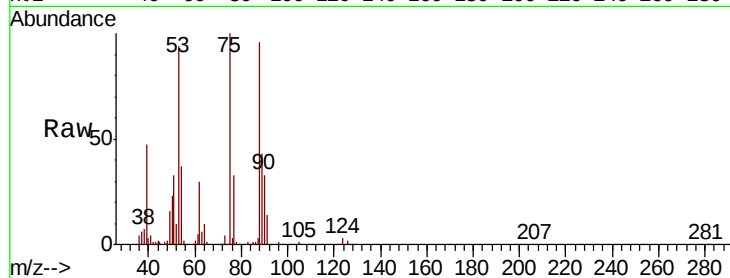
#81
trans-1,4-Dichloro-2-butene
Concen: 50.152 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.6	77.4	116.0
89	44.5	35.4	53.2

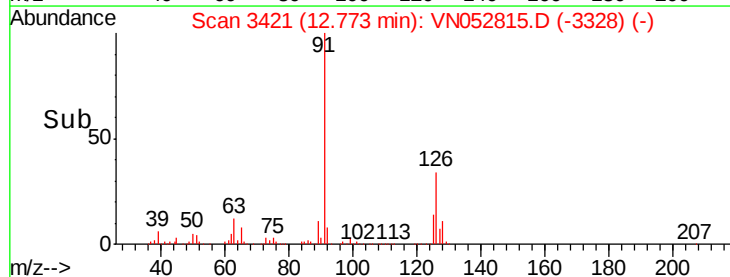
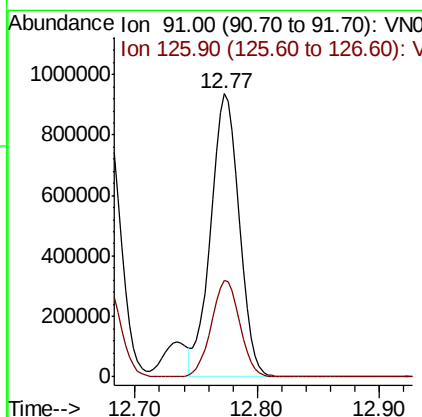
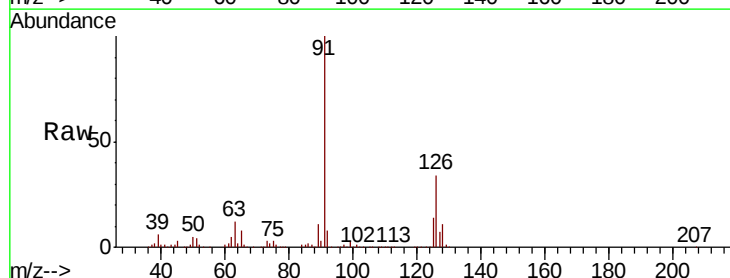
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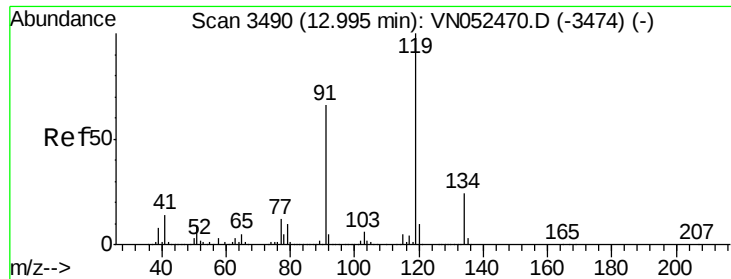
MMDadoda
12/12/2018 11:33:41 AM



#82
4-Chlorotoluene
Concen: 47.297 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.9	50.6





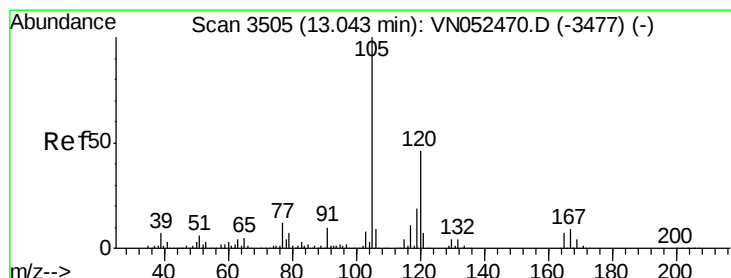
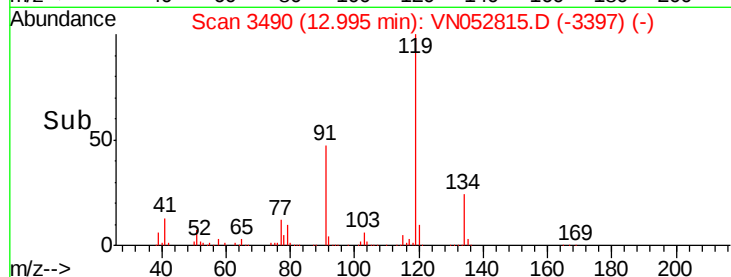
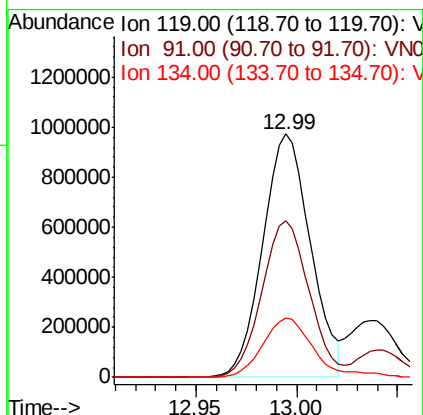
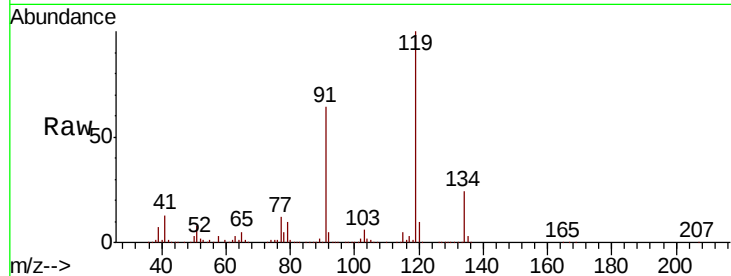
#83
tert-Butylbenzene
Concen: 47.315 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1603364
Ion Ratio Lower Upper
119 100
91 63.8 32.3 96.9
134 26.0 13.0 38.9

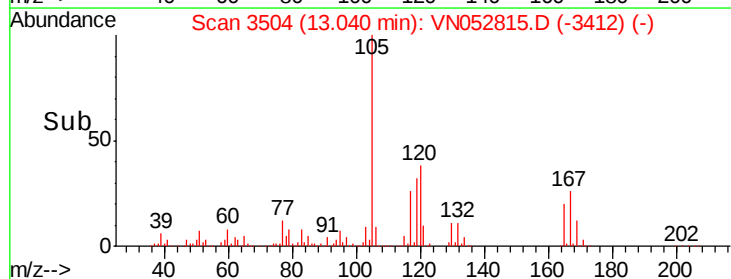
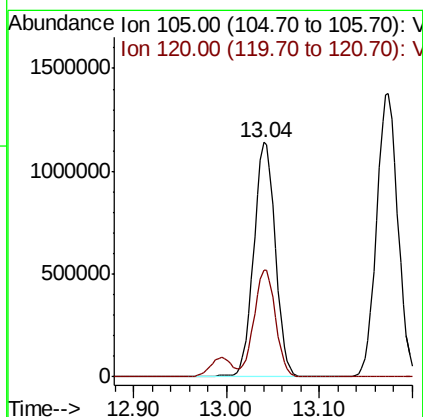
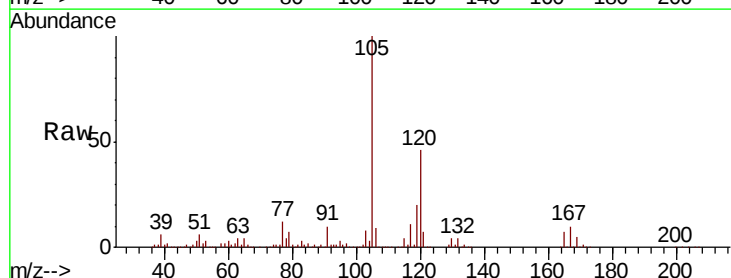
Manual Integrations
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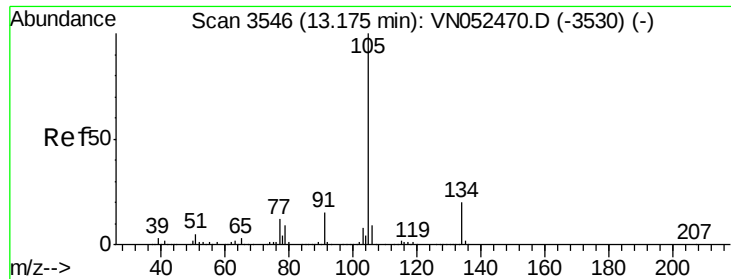
MMDadoda
12/12/2018 11:33:41 AM



#84
1,2,4-Trimethylbenzene
Concen: 48.333 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion:105 Resp: 1841173
Ion Ratio Lower Upper
105 100
120 45.3 22.8 68.4





#85

sec-Butylbenzene

Concen: 47.339 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2184975

Ion Ratio Lower Upper

105 100

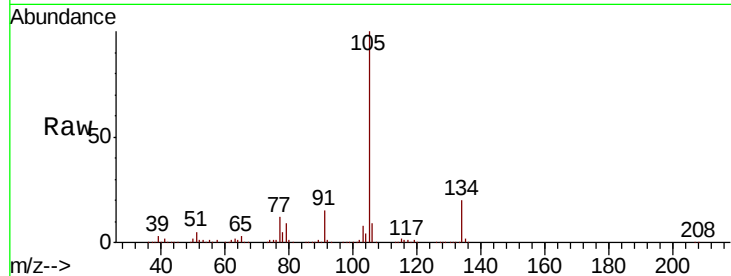
134 20.2 9.9 29.7

Manual Integrations

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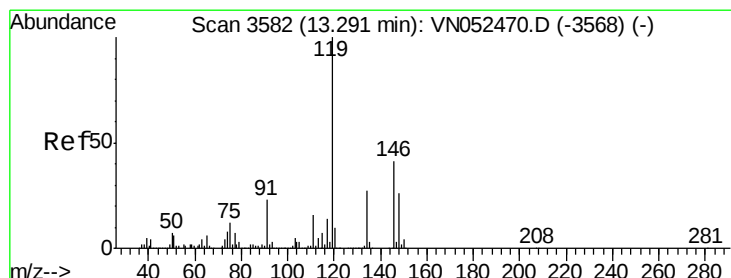
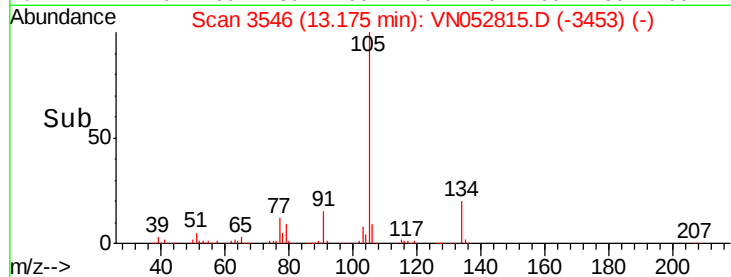
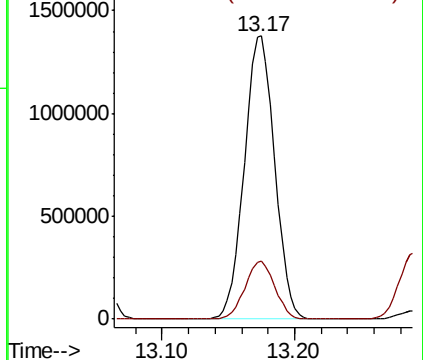
MMDadoda

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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: 48.082 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

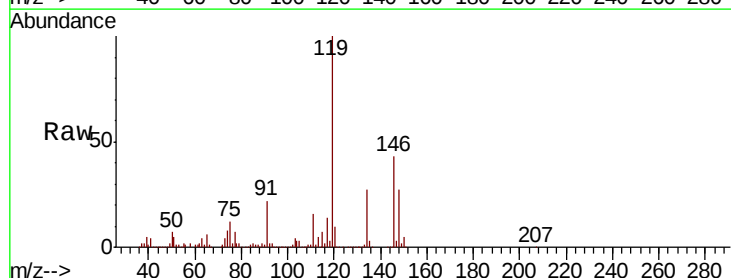
Tgt Ion:119 Resp: 1890190

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

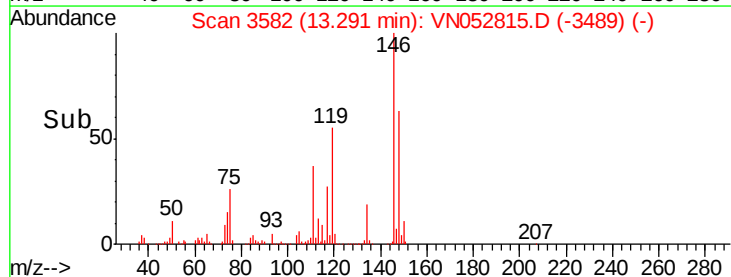
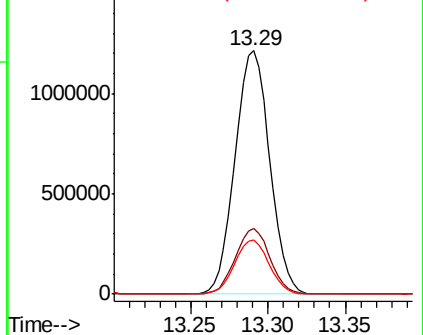
91 22.1 11.4 34.2

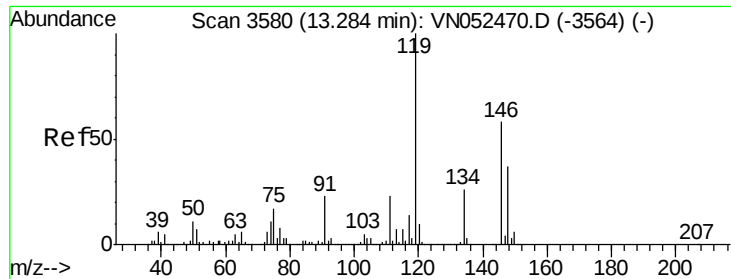


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





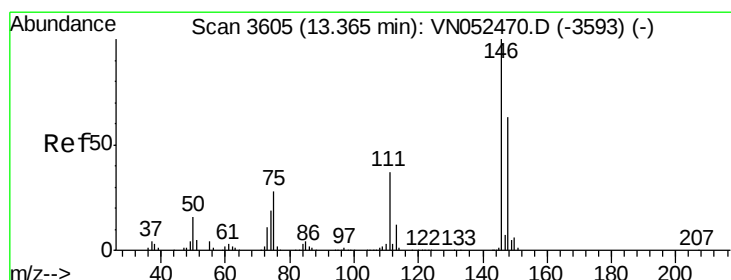
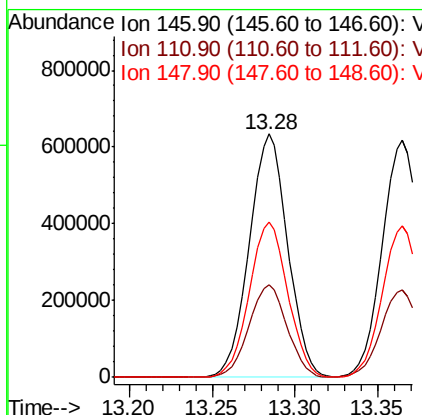
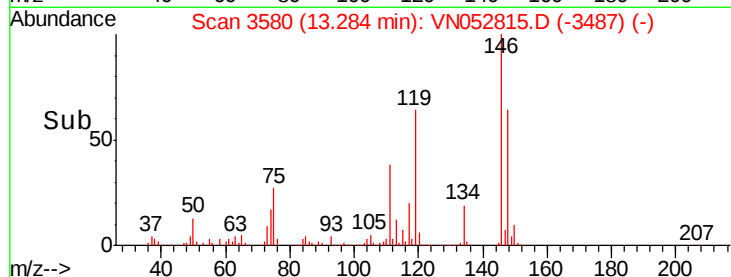
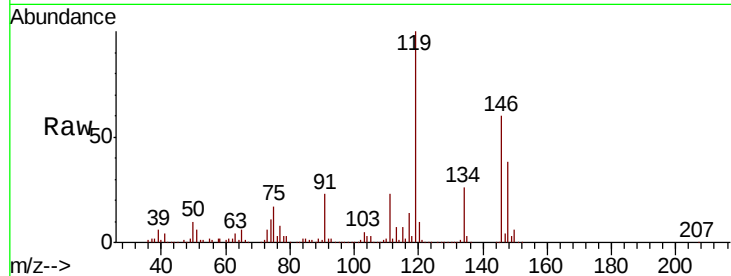
#87
 1,3-Dichlorobenzene
 Concen: 49.503 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 1020076
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.4 58.4
 148 63.9 31.8 95.4

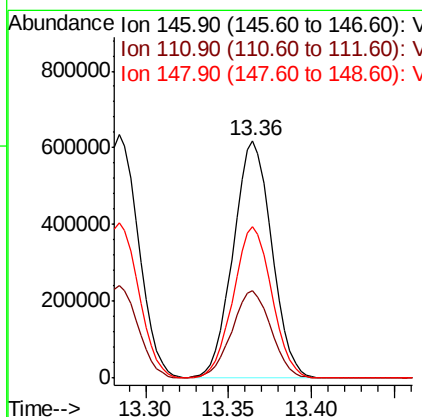
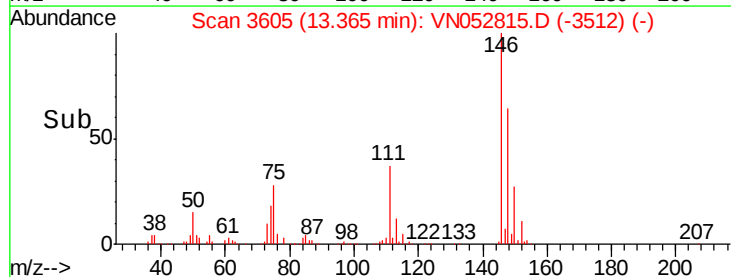
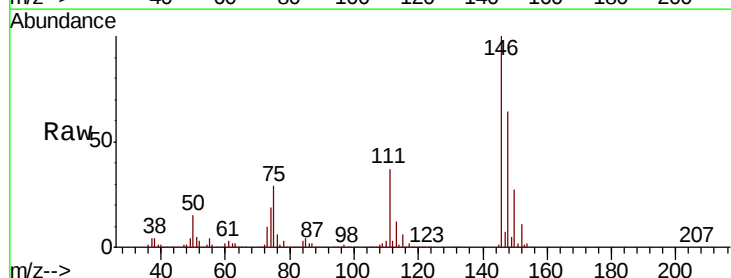
Manual Integrations
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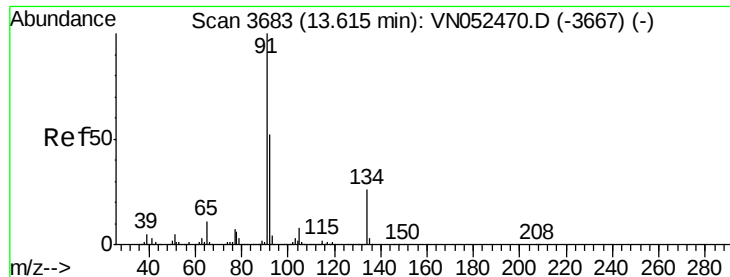
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 12/12/2018 11:33:41 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.227 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Tgt Ion:146 Resp: 999194
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.6 56.0
 148 63.9 31.9 95.9





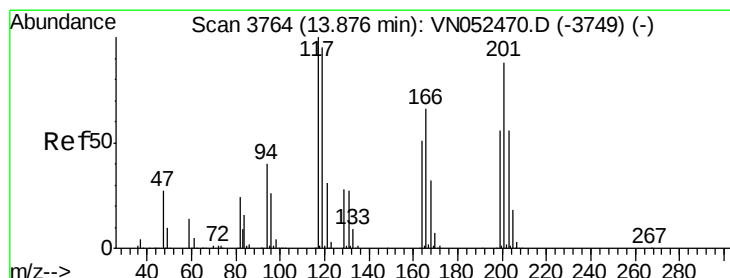
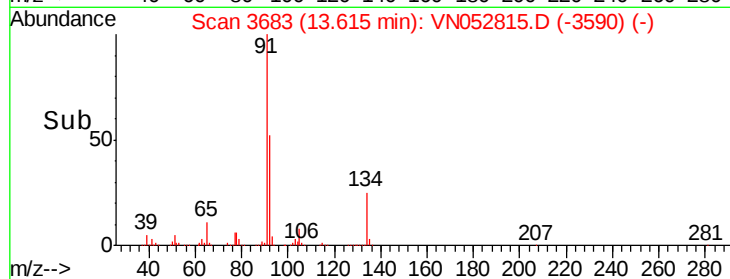
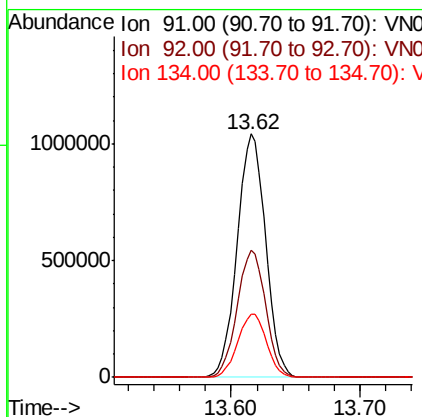
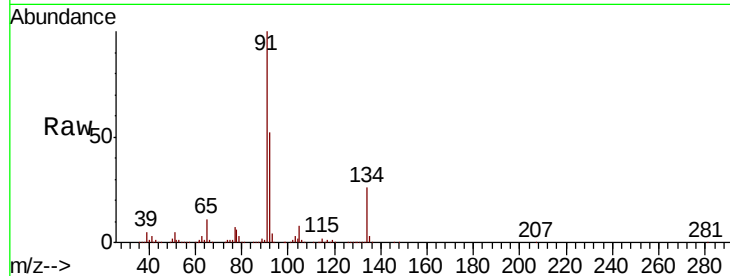
#89
n-Butylbenzene
Concen: 48.765 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.3
134	26.3	13.0	38.9

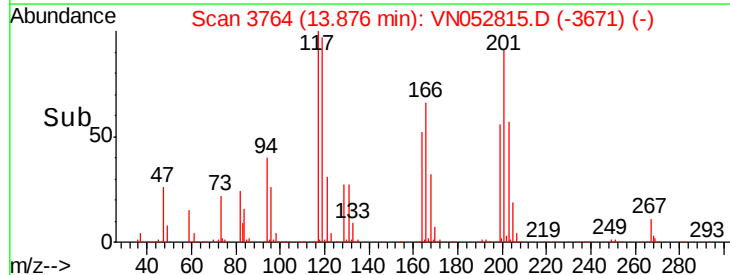
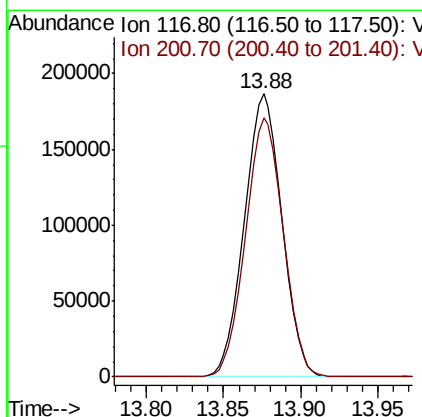
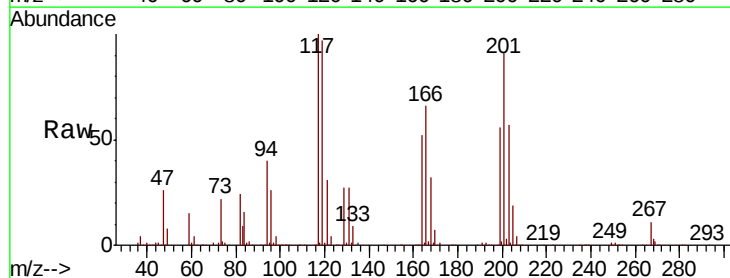
Manual Integrations
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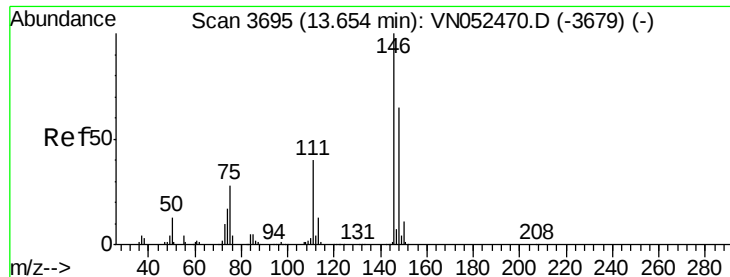
MMDadoda
12/12/2018 11:33:41 AM



#90
Hexachloroethane
Concen: 47.427 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.8	43.6	130.9





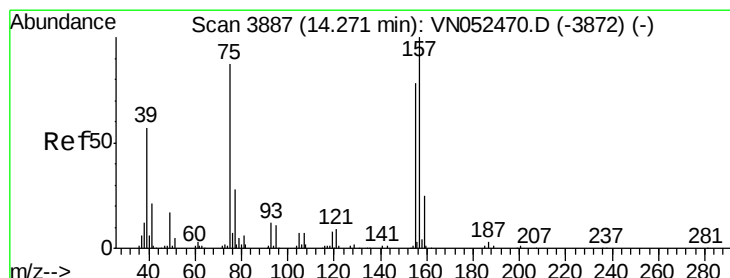
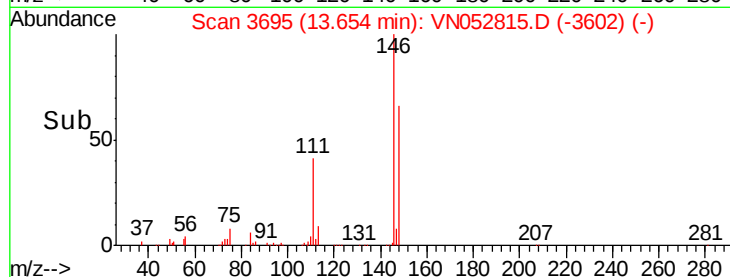
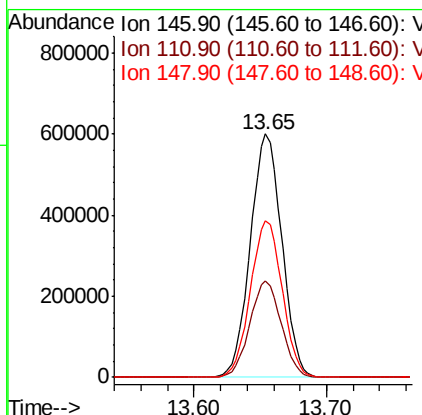
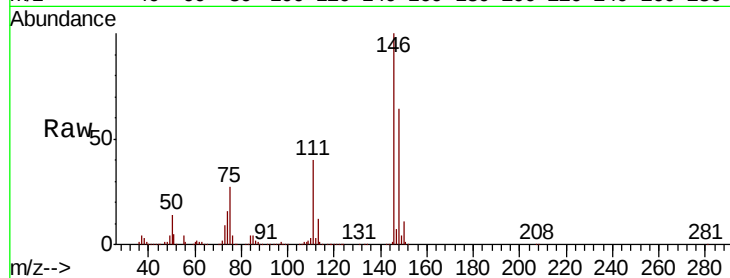
#91
 1,2-Dichlorobenzene
 Concen: 50.299 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	60.0
148	64.8	32.0	96.2

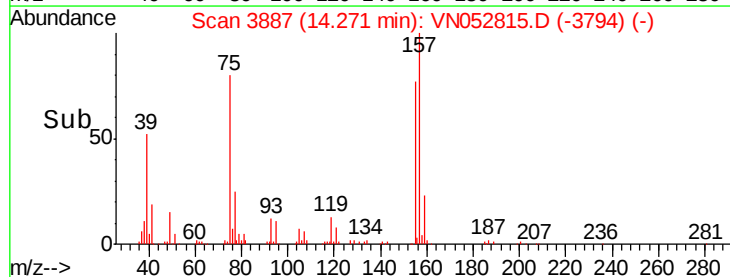
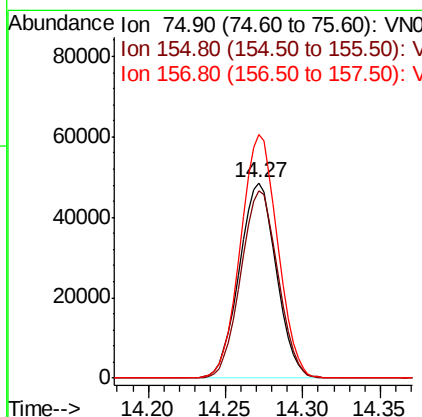
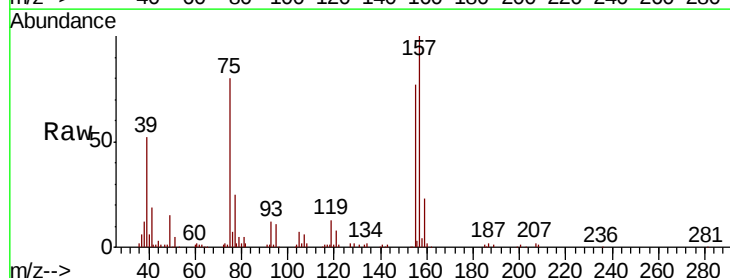
Manual Integrations
 APPROVED

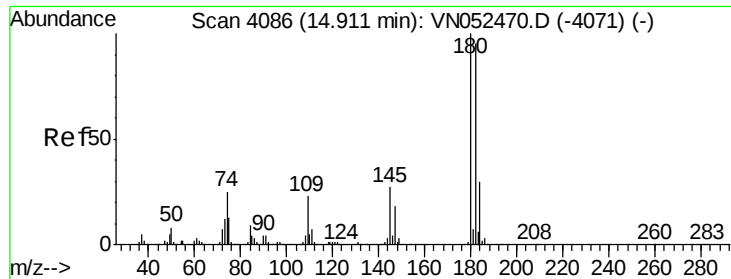
MMDadoda
 12/12/2018 11:33:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.416 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.6	45.3	135.9
157	124.4	58.1	174.2





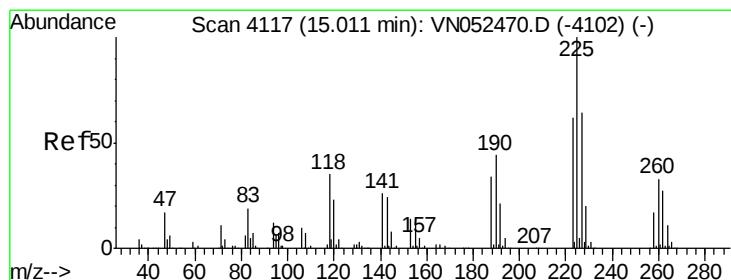
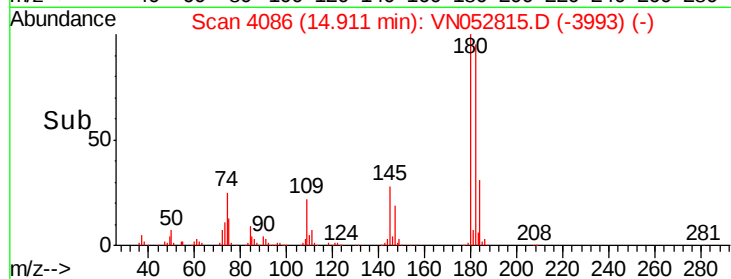
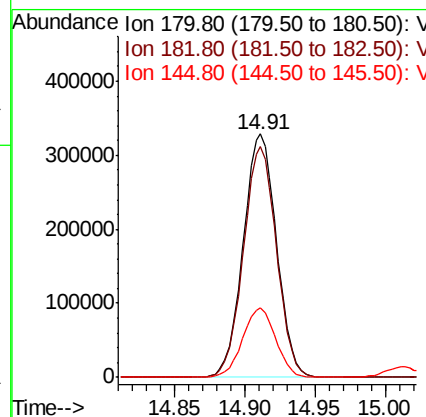
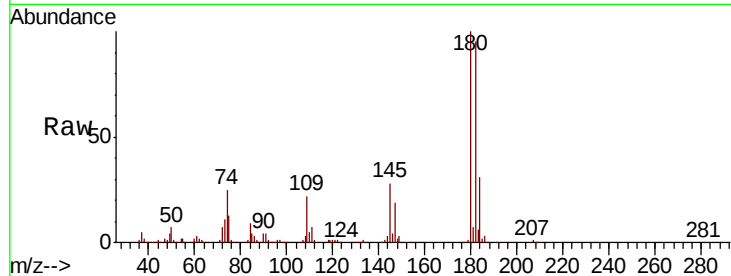
#93
 1,2,4-Trichlorobenzene
 Concen: 50.359 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	543352		
182	94.4	47.8	143.4	
145	28.3	14.1	42.3	

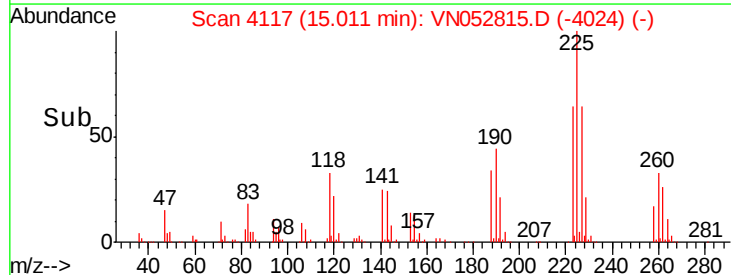
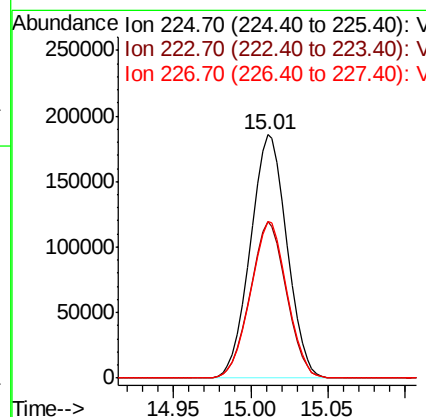
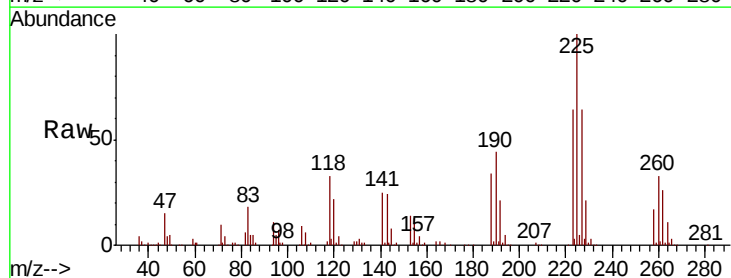
Manual Integrations
 APPROVED

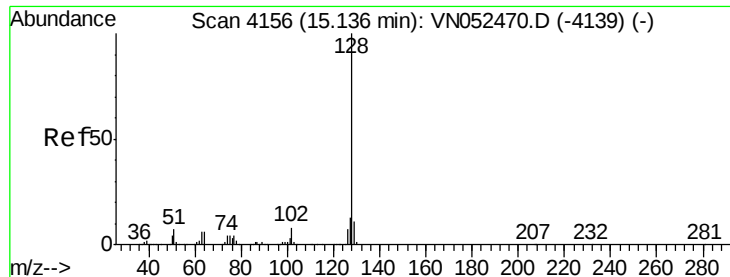
MMDadoda
 12/12/2018 11:33:41 AM



#94
 Hexachlorobutadiene
 Concen: 48.273 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	305741		
223	63.7	31.4	94.2	
227	64.0	32.5	97.4	





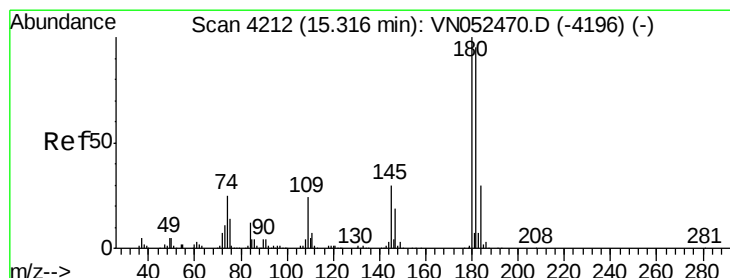
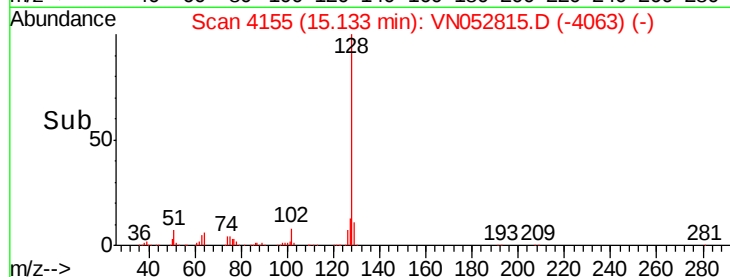
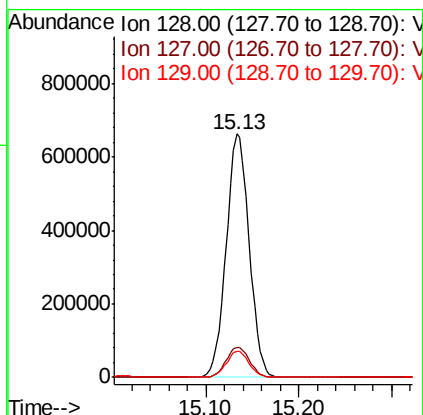
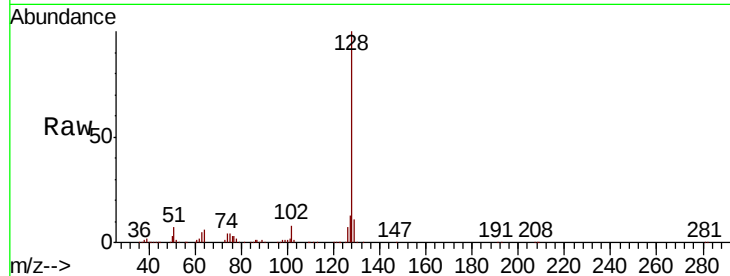
#95
Naphthalene
Concen: 49.639 ug/l
RT: 15.13 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/12/2018 11:33:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.915 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.3
145	30.3	15.2	45.5

