

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052741.D
 Acq On : 10 Dec 2018 9:16
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:45:30 PM

Quant Time: Dec 11 02:17:01 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	7.66	168	1042216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1576773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1397578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	688272	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	558335	49.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.40%	
35) Dibromofluoromethane	7.59	113	412137	42.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.80%	
50) Toluene-d8	10.09	98	1962615	51.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.40	95	697245	54.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	406297	41.635	ug/l	100
3) Chloromethane	2.06	50	512773	39.807	ug/l	100
4) Vinyl Chloride	2.19	62	553735	41.847	ug/l	100
5) Bromomethane	2.57	94	278137	33.688	ug/l	99
6) Chloroethane	2.71	64	346414	43.219	ug/l	98
7) Trichlorofluoromethane	3.03	101	760152	46.767	ug/l	100
8) Diethyl Ether	3.41	74	283498	47.231	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	495867	48.891	ug/l	98
10) Methyl Iodide	3.96	142	504529	37.349	ug/l	99
11) Tert butyl alcohol	4.77	59	138559	243.897	ug/l	100
12) 1,1-Dichloroethene	3.74	96	452151	46.314	ug/l	100
13) Acrolein	3.61	56	43657	44.215	ug/l	98
14) Allyl chloride	4.33	41	799987	47.544	ug/l	99
15) Acrylonitrile	4.98	53	824074	229.153	ug/l	99
16) Acetone	3.81	43	631224	210.893	ug/l	97
17) Carbon Disulfide	4.06	76	1233424	40.146	ug/l	99
18) Methyl Acetate	4.32	43	418953	48.797	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1274211	49.055	ug/l	100
20) Methylene Chloride	4.55	84	526253	44.930	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	490663	47.057	ug/l	97
22) Diisopropyl ether	5.95	45	1693174	47.905	ug/l	99
23) Vinyl Acetate	5.89	43	4606982	209.273	ug/l	99
24) 1,1-Dichloroethane	5.85	63	970880	48.110	ug/l	99
25) 2-Butanone	6.83	43	939389	221.428	ug/l	97
26) 2,2-Dichloropropane	6.82	77	736727	52.744	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	584063	48.087	ug/l	99
28) Bromochloromethane	7.19	49	441957	47.949	ug/l	95
29) Tetrahydrofuran	7.21	42	608057	222.216	ug/l	98
30) Chloroform	7.37	83	951521	47.260	ug/l	97
31) Cyclohexane	7.65	56	869285	44.464	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	790457	49.552	ug/l	99
36) 1,1-Dichloropropene	7.79	75	725248	48.707	ug/l	98
37) Ethyl Acetate	6.92	43	402012	44.239	ug/l	99
38) Carbon Tetrachloride	7.77	117	685129	50.828	ug/l	100

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Quant Time: Dec 11 02:17:01 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	883765	48.832	ug/l	99
40) Benzene	8.04	78	2172756	48.964	ug/l	100
41) Methacrylonitrile	7.17	41	225928	45.476	ug/l	94
42) 1,2-Dichloroethane	8.12	62	662005	49.271	ug/l	99
43) Isopropyl Acetate	8.16	43	744830	48.434	ug/l	99
44) Trichloroethene	8.83	130	594334	52.288	ug/l	100
45) 1,2-Dichloropropane	9.12	63	585590	49.636	ug/l	100
46) Dibromomethane	9.21	93	332121	50.853	ug/l	99
47) Bromodichloromethane	9.40	83	730115	51.418	ug/l	99
48) Methyl methacrylate	9.20	41	378622	47.217	ug/l	97
49) 1,4-Dioxane	9.19	88	83253	1000.395	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2066798	239.537	ug/l	99
52) Toluene	10.16	92	1335121	50.640	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	732360	53.613	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	871680	53.249	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	472111	50.907	ug/l	99
56) Ethyl methacrylate	10.43	69	598687	46.678	ug/l	99
57) 1,3-Dichloropropane	10.71	76	815171	49.781	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1733114	257.542	ug/l	99
59) 2-Hexanone	10.75	43	1481004	255.747	ug/l	99
60) Dibromochloromethane	10.90	129	539803	53.592	ug/l	99
61) 1,2-Dibromoethane	11.00	107	464454	50.424	ug/l	100
64) Tetrachloroethene	10.63	164	657171	60.648	ug/l	99
65) Chlorobenzene	11.43	112	1497515	51.965	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	530760	52.969	ug/l	99
67) Ethyl Benzene	11.51	91	2618400	51.885	ug/l	99
68) m/p-Xylenes	11.62	106	1975254	105.140	ug/l	100
69) o-Xylene	11.95	106	954441	52.316	ug/l	99
70) Styrene	11.96	104	1595957	54.923	ug/l	99
71) Bromoform	12.13	173	358918	54.098	ug/l	99
73) Isopropylbenzene	12.25	105	2587093	47.910	ug/l	99
74) N-amyl acetate	12.07	43	672896	49.324	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	512122	41.691	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	451646m	42.554	ug/l	
77) Bromobenzene	12.53	156	656574	49.192	ug/l	96
78) n-propylbenzene	12.59	91	3033195	49.445	ug/l	99
79) 2-Chlorotoluene	12.67	91	1742988	47.712	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2120287	49.233	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	155152	48.818	ug/l	97
82) 4-Chlorotoluene	12.77	91	1800113	48.893	ug/l	99
83) tert-Butylbenzene	12.99	119	1869728	48.699	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2156018	49.954	ug/l	100
85) sec-Butylbenzene	13.17	105	2588829	49.506	ug/l	99
86) p-Isopropyltoluene	13.29	119	2265372	50.861	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1188182	50.892	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1176183	51.145	ug/l	100
89) n-Butylbenzene	13.62	91	1996232	53.891	ug/l	100
90) Hexachloroethane	13.87	117	369001	48.928	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1128102	50.575	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82413	46.910	ug/l	94

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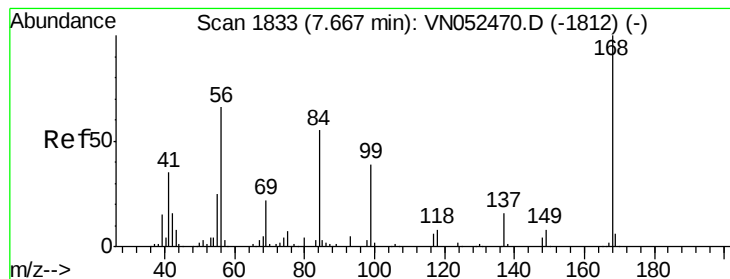
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Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	682500	55.523	ug/l	100
94) Hexachlorobutadiene	15.01	225	357990	49.888	ug/l	99
95) Naphthalene	15.13	128	1344352	51.750	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	605296	53.666	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1042216

Ion Ratio Lower Upper

168 100

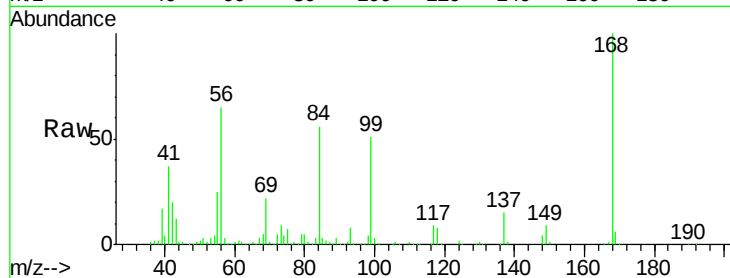
99 50.7 41.7 62.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

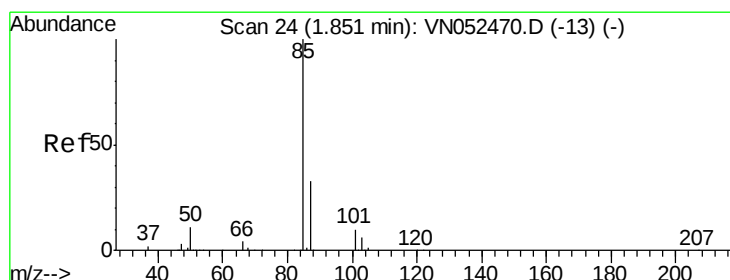
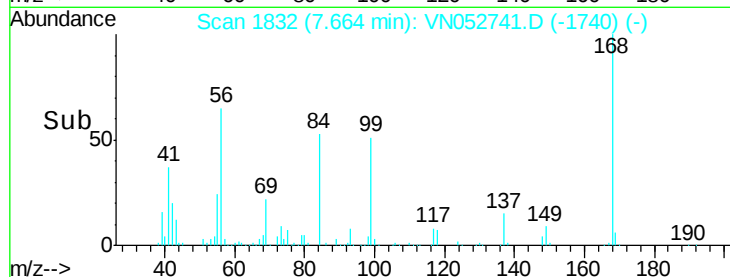
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 41.635 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052741.D

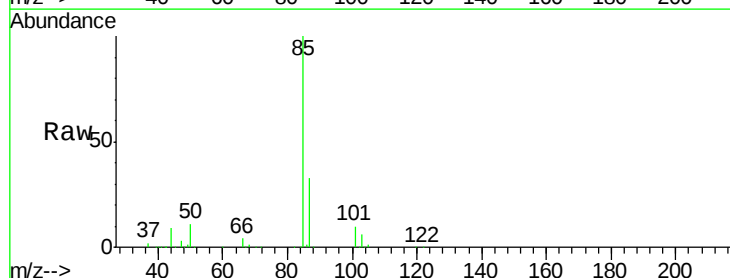
Acq: 10 Dec 2018 9:16

Tgt Ion: 85 Resp: 406297

Ion Ratio Lower Upper

85 100

87 33.2 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

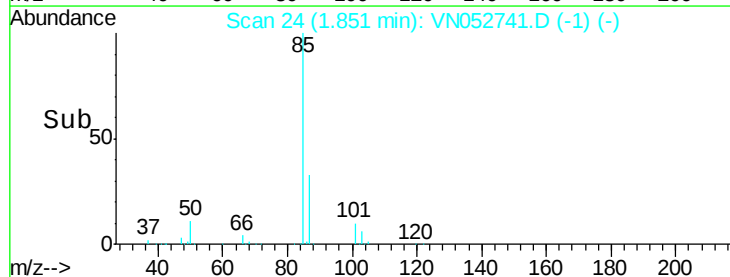
300000

200000

100000

0

Time-->





#3

Chloromethane

Concen: 39.807 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 512773

Ion Ratio Lower Upper

50 100

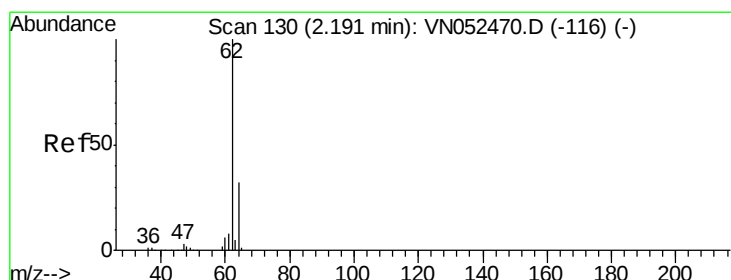
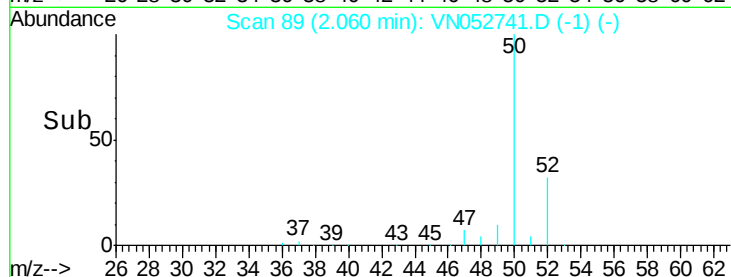
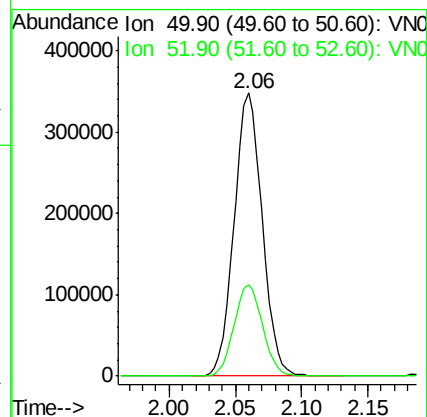
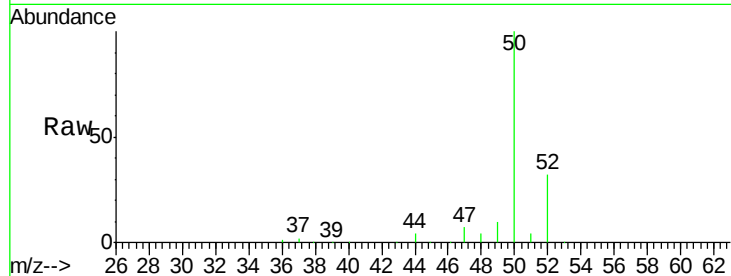
52 32.4 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 41.847 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052741.D

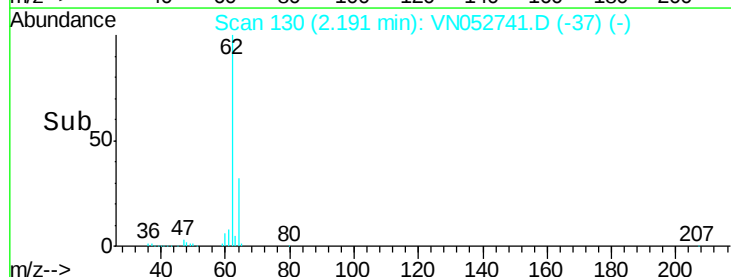
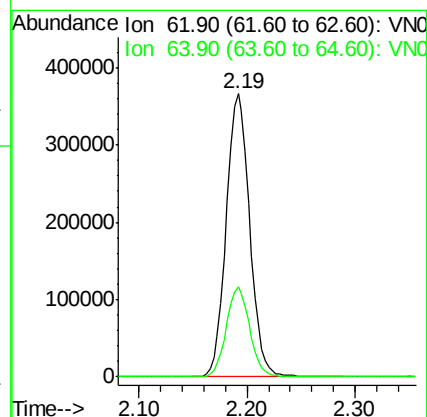
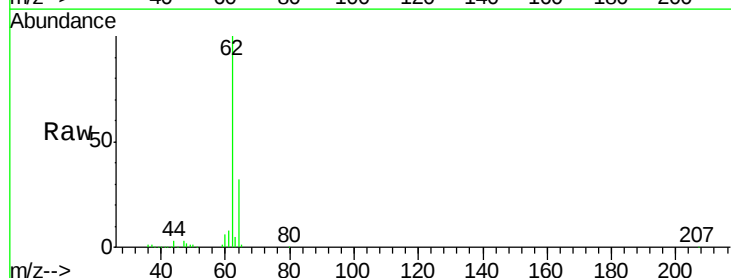
Acq: 10 Dec 2018 9:16

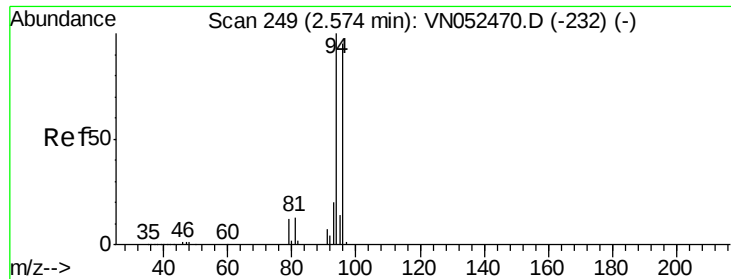
Tgt Ion: 62 Resp: 553735

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 33.688 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 278137

Ion Ratio Lower Upper

94 100

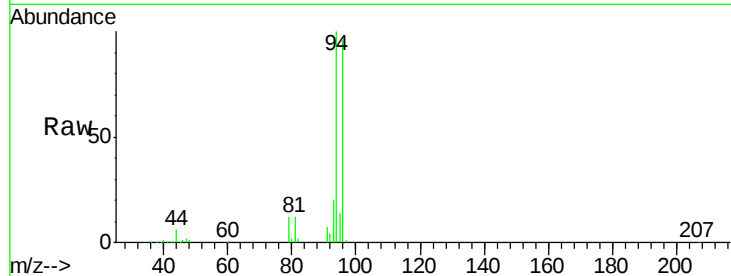
96 95.8 75.8 113.8

Manual Integrations

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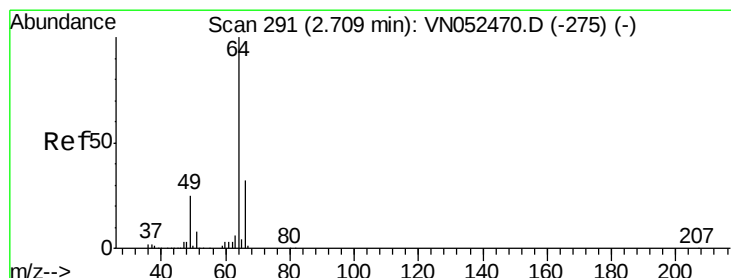
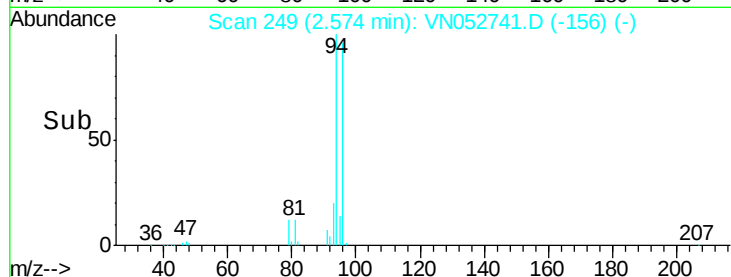
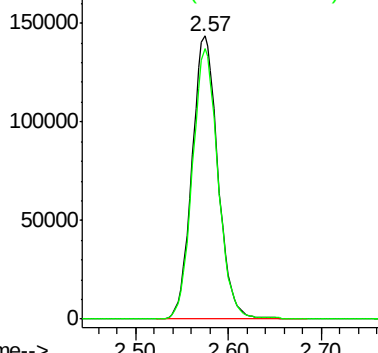
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 43.219 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052741.D

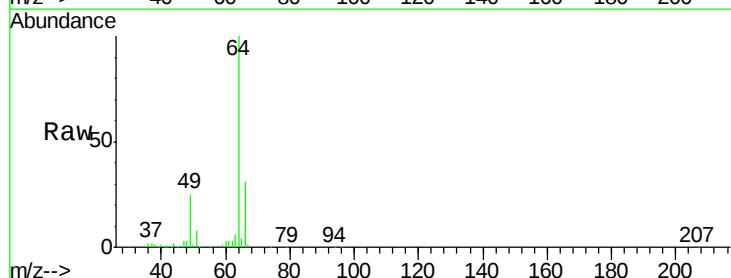
Acq: 10 Dec 2018 9:16

Tgt Ion: 64 Resp: 346414

Ion Ratio Lower Upper

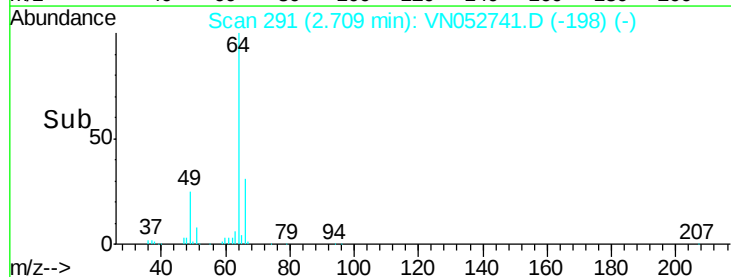
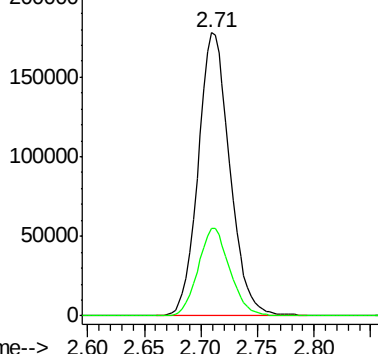
64 100

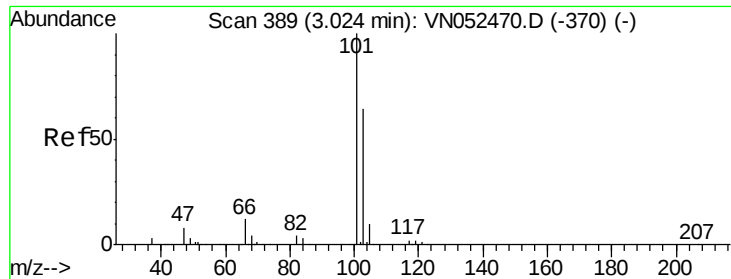
66 30.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

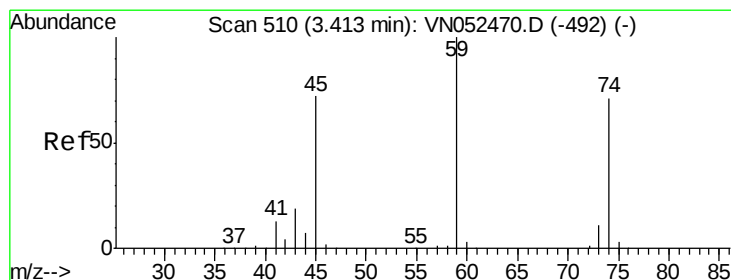
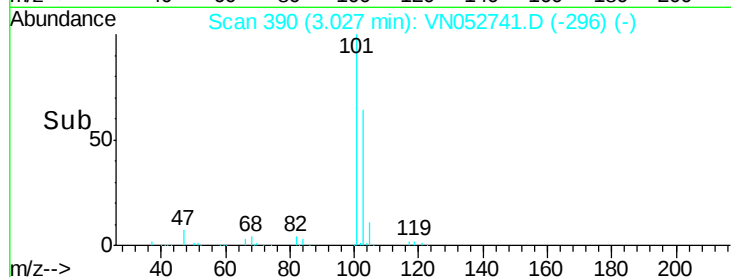
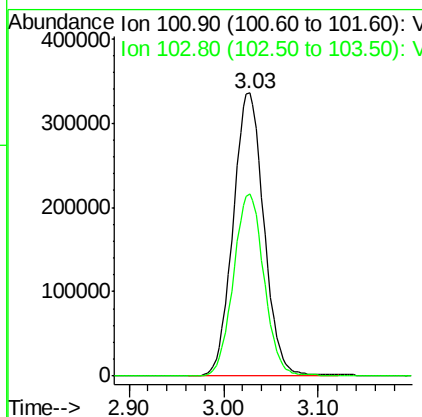
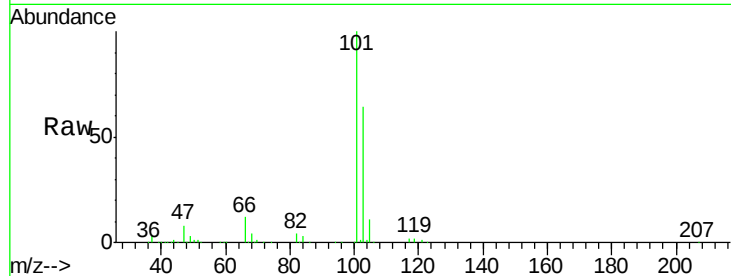
Trichlorofluoromethane
Concen: 46.767 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Instrument :
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.4	77.2

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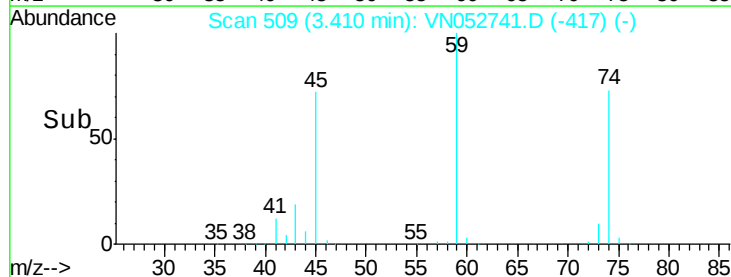
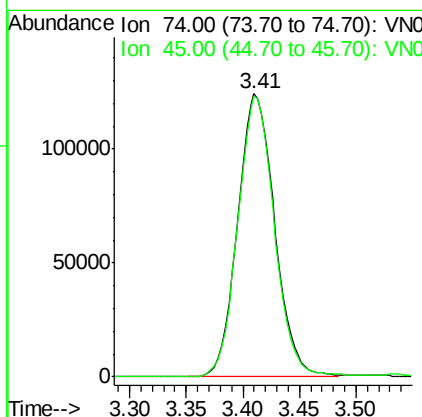
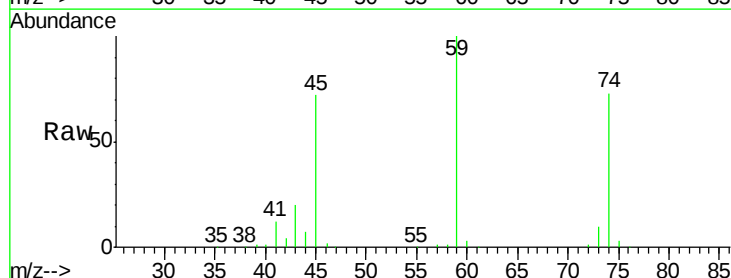
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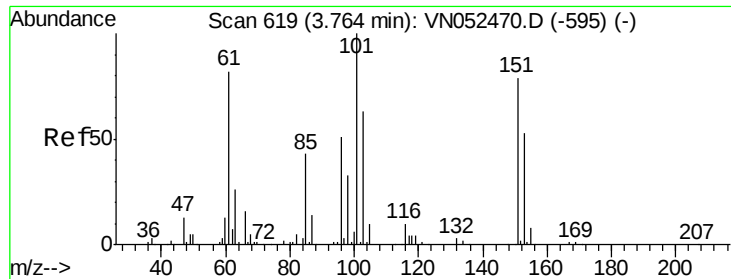


#8

Diethyl Ether
Concen: 47.231 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.891 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Instrument :

MSVOA_N

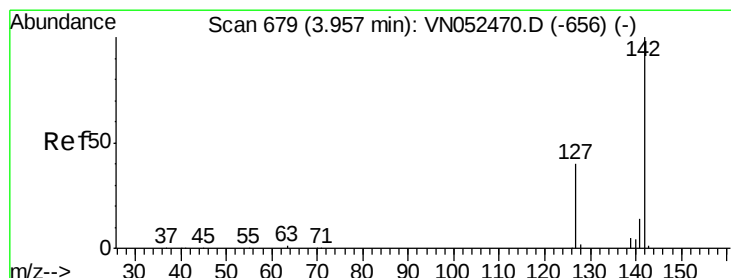
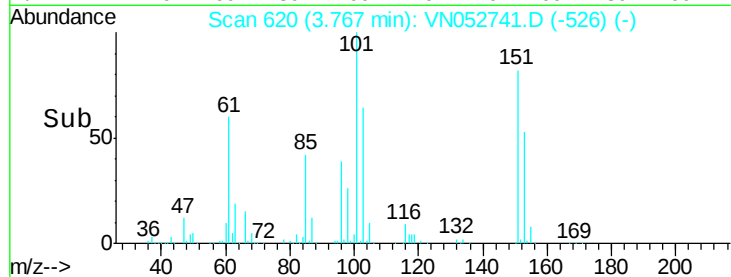
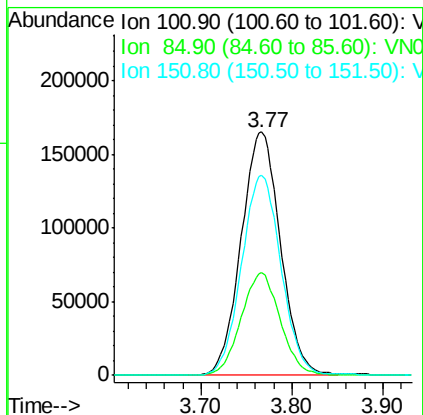
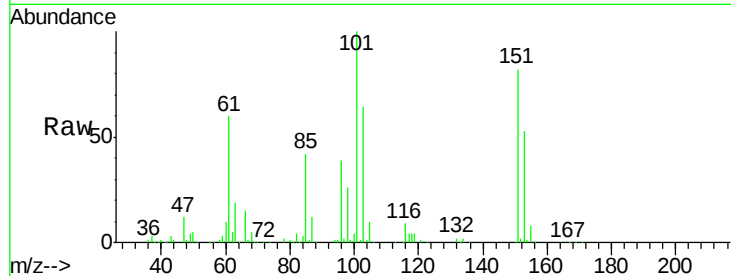
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	495867
Ion Ratio	Lower	Upper	
101	100		
85	41.9	34.2	51.4
151	82.9	64.6	96.8

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#10

Methyl Iodide

Concen: 37.349 ug/l

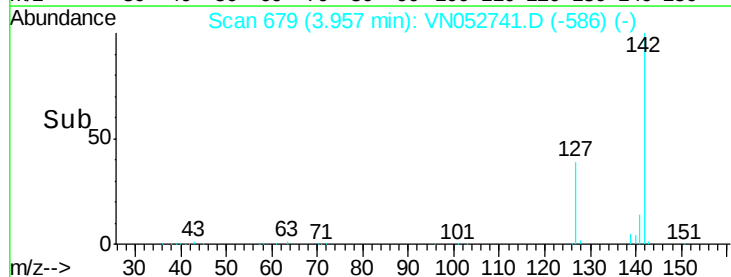
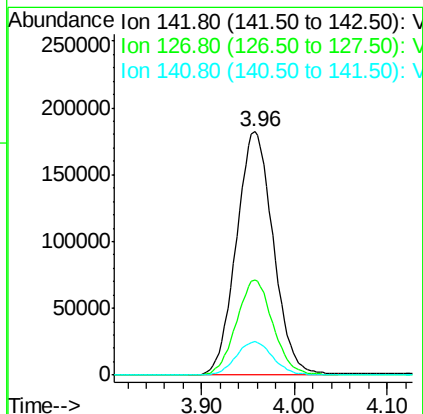
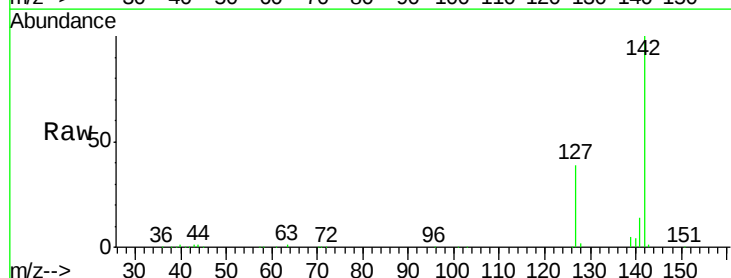
RT: 3.96 min Scan# 679

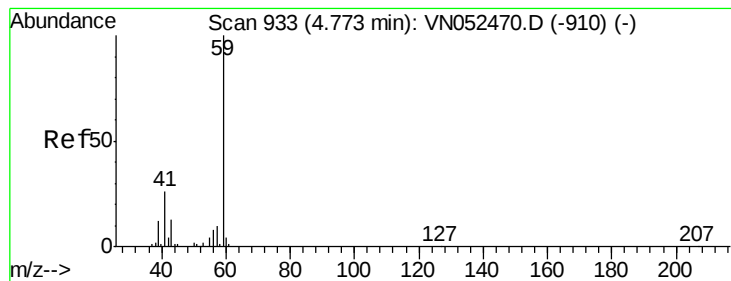
Delta R.T. 0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Tgt Ion:	142	Resp:	504529
Ion Ratio	Lower	Upper	
142	100		
127	38.8	31.8	47.6
141	13.8	11.4	17.0





#11

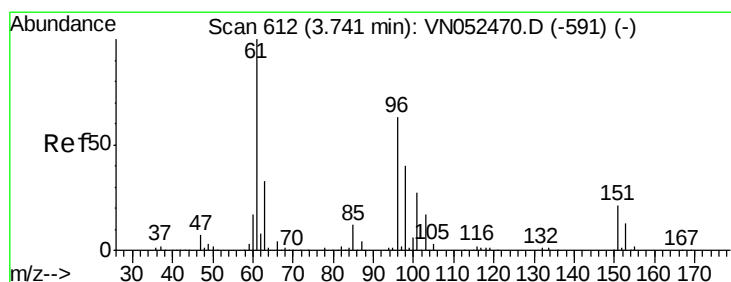
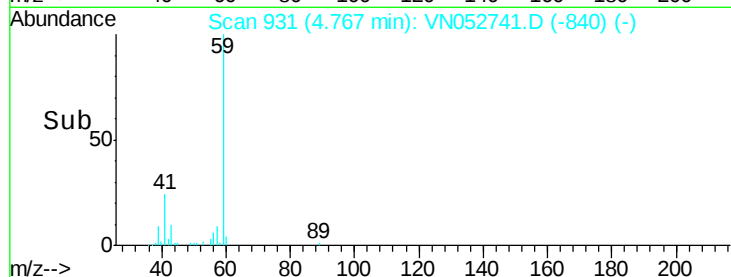
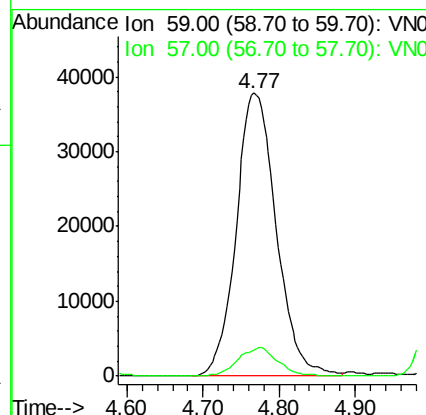
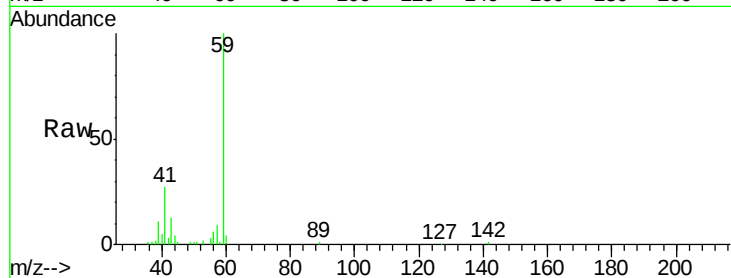
Tert butyl alcohol
Concen: 243.897 ug/l
RT: 4.77 min Scan# 931
Delta R.T. -0.01 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	138559		
57	9.9		7.9	11.9

Manual Integrations
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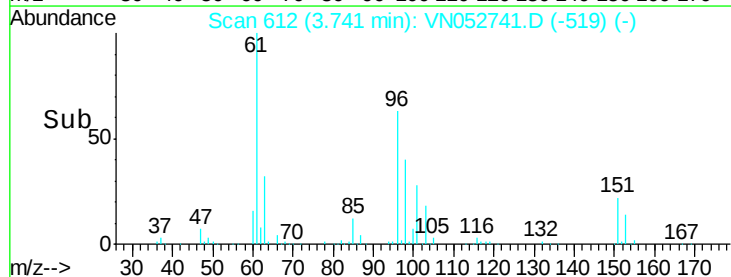
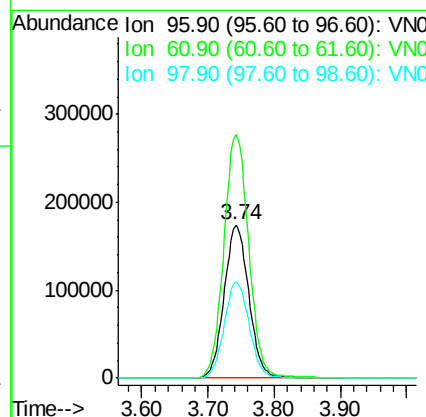
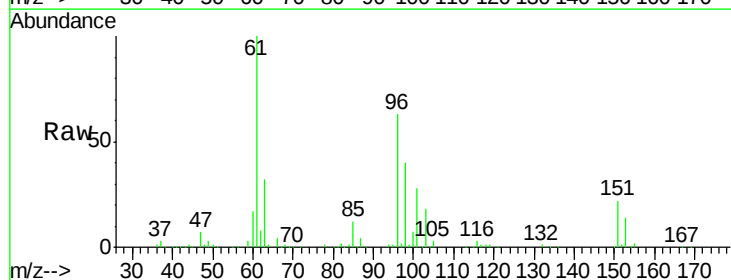
MMDadoda
12/11/2018 12:45:30 PM

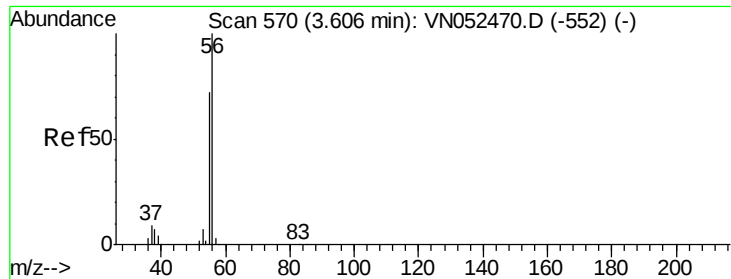


#12

1,1-Dichloroethene
Concen: 46.314 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	452151		
61	159.1		127.0	190.6
98	63.1		50.3	75.5





#13

Acrolein

Concen: 44.215 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 43657

Ion Ratio Lower Upper

56 100

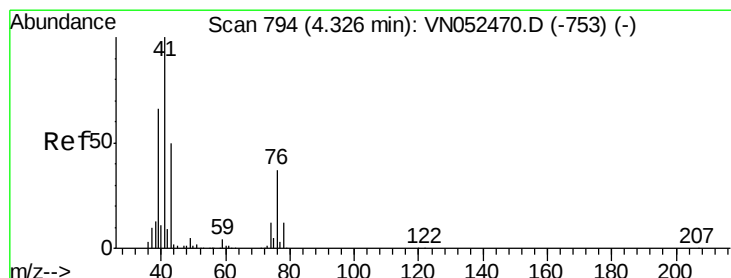
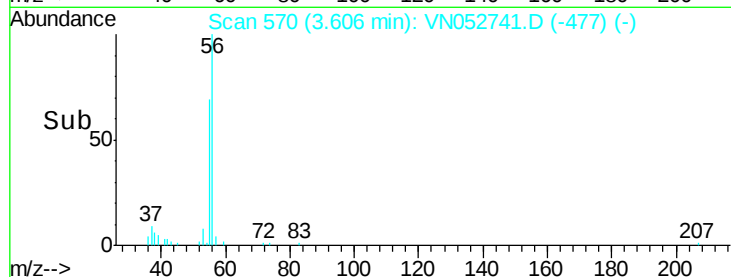
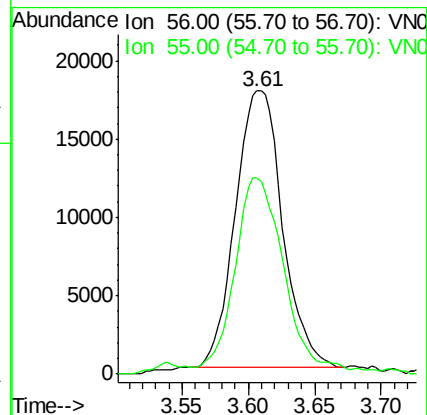
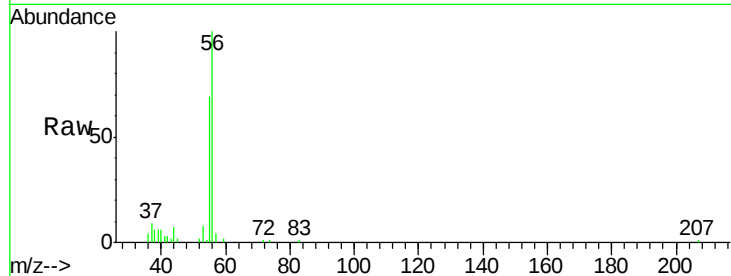
55 72.6 56.8 85.2

Manual Integrations

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12/11/2018 12:45:30 PM



#14

Allyl chloride

Concen: 47.544 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

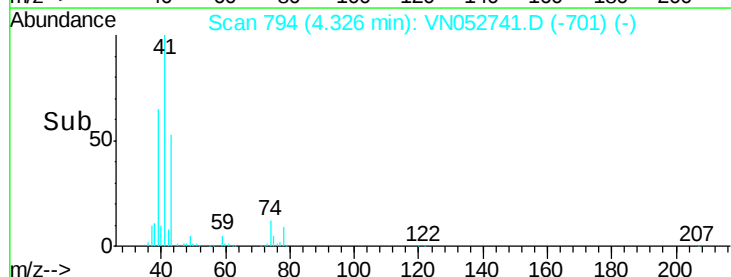
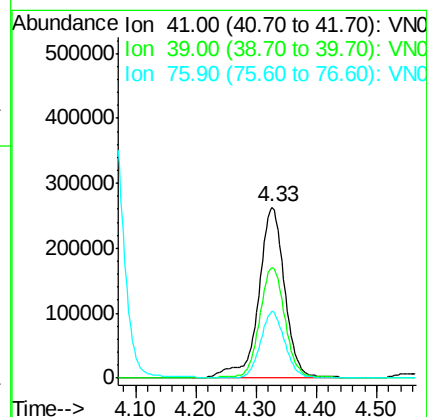
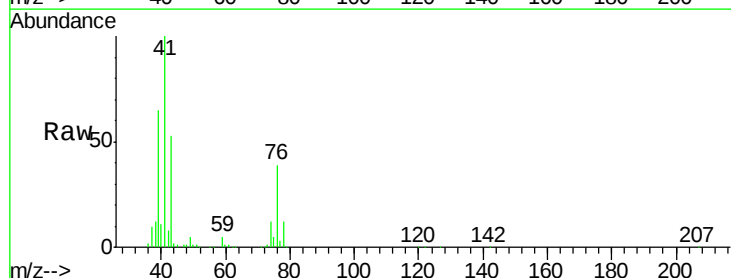
Tgt Ion: 41 Resp: 799987

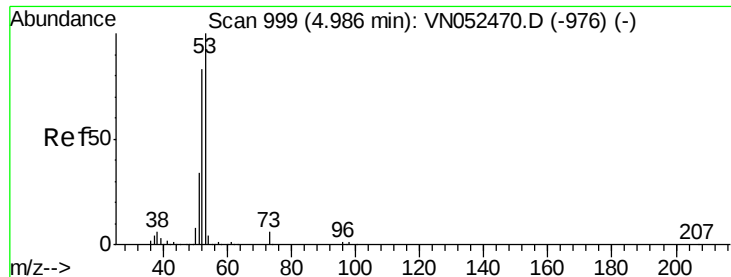
Ion Ratio Lower Upper

41 100

39 63.0 50.6 76.0

76 35.8 27.4 41.2





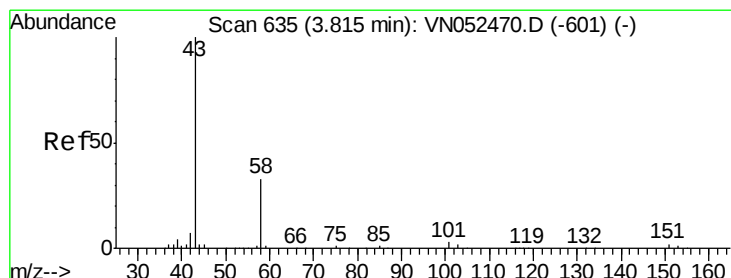
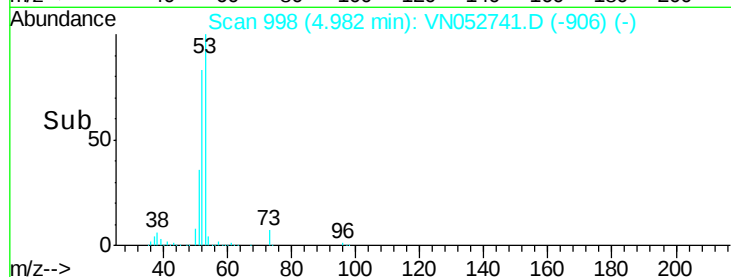
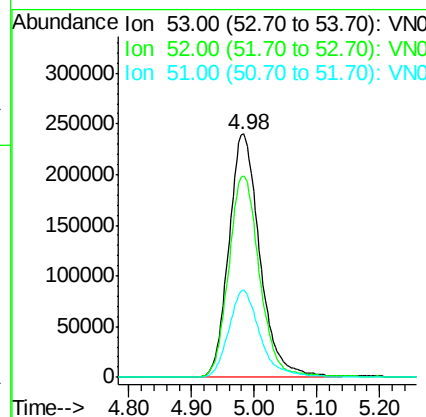
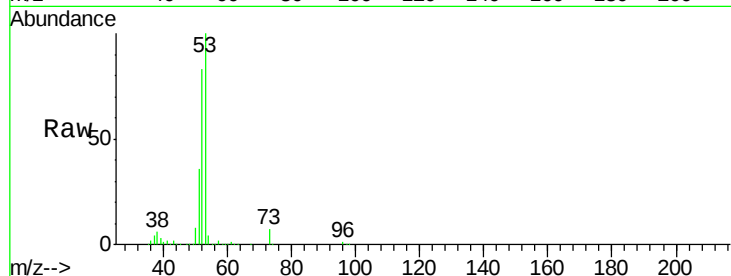
#15
 Acrylonitrile
 Concen: 229.153 ug/l
 RT: 4.98 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VN052741.D
 Acq: 10 Dec 2018 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	824074
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.2
51	36.3	28.1	42.1

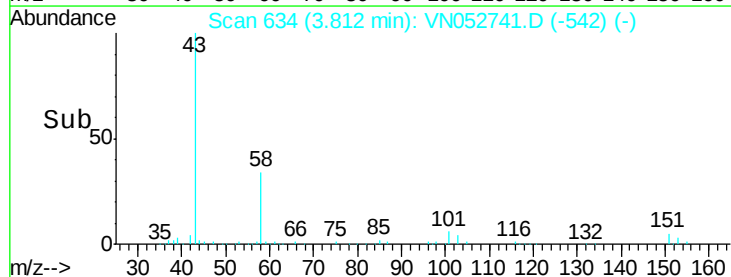
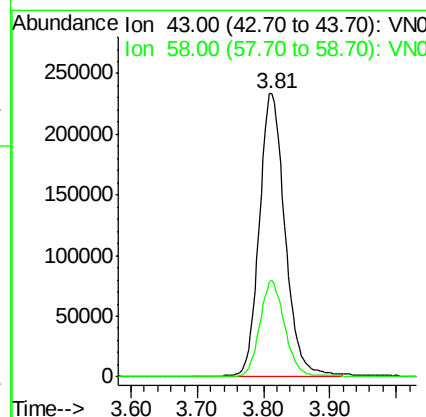
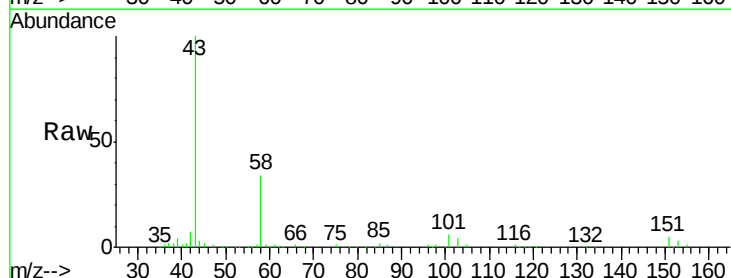
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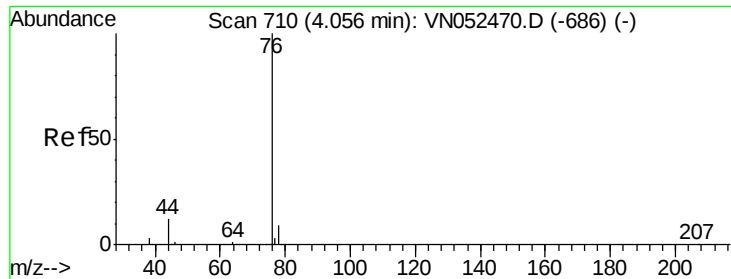
MMDadoda
 12/11/2018 12:45:30 PM



#16
 Acetone
 Concen: 210.893 ug/l
 RT: 3.81 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VN052741.D
 Acq: 10 Dec 2018 9:16

Tgt Ion:	43	Resp:	631224
Ion	Ratio	Lower	Upper
43	100		
58	33.9	26.0	39.0





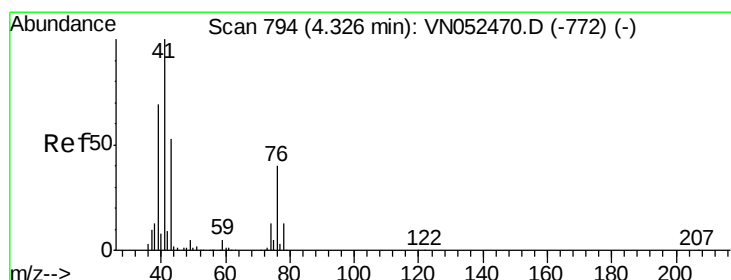
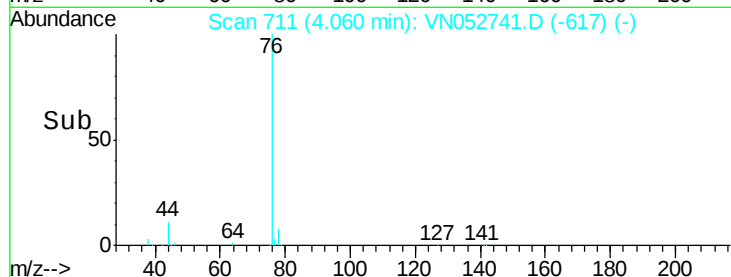
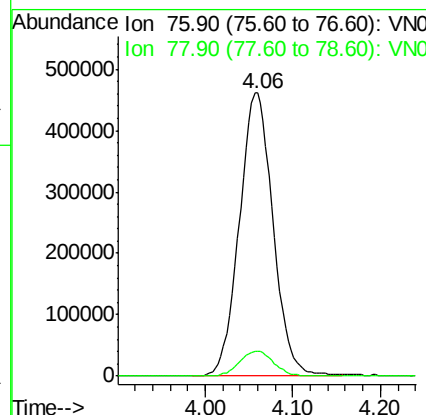
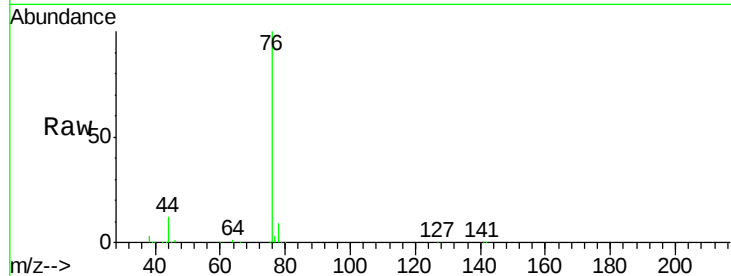
#17
Carbon Disulfide
Concen: 40.146 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1233424
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

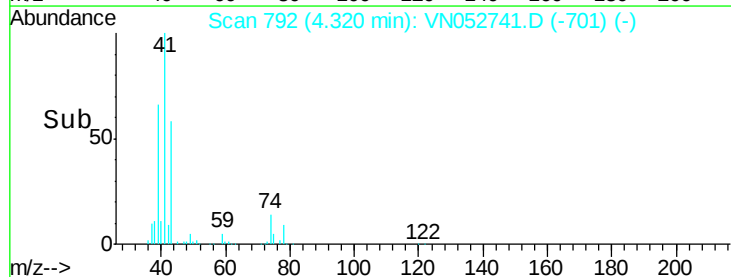
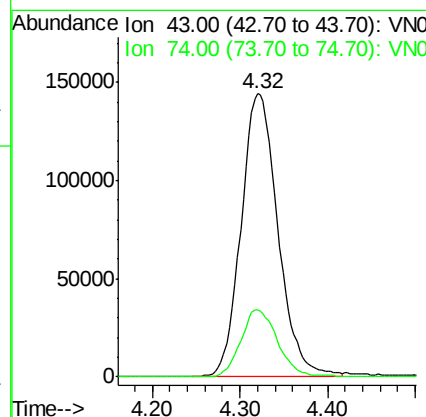
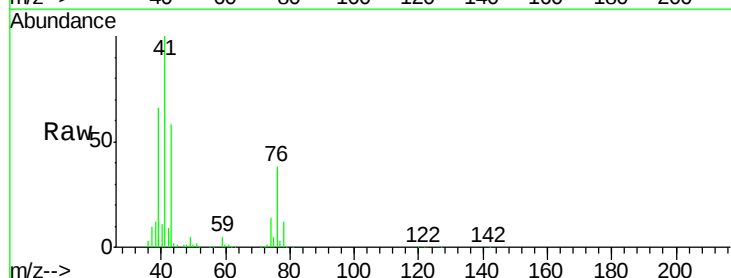
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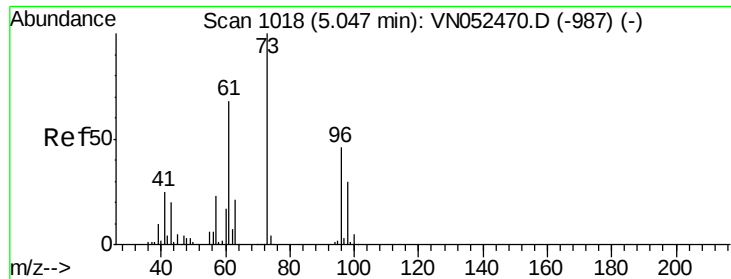
MMDadoda
12/11/2018 12:45:30 PM



#18
Methyl Acetate
Concen: 48.797 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.01 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Tgt Ion: 43 Resp: 418953
Ion Ratio Lower Upper
43 100
74 23.7 18.6 27.8





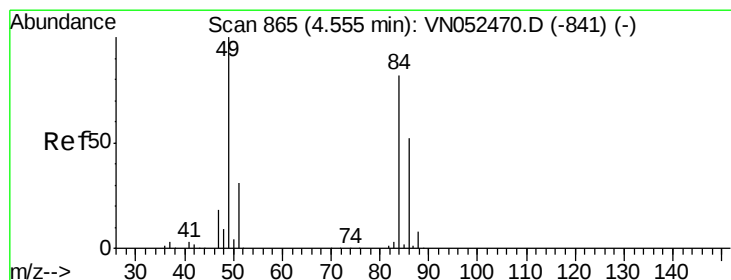
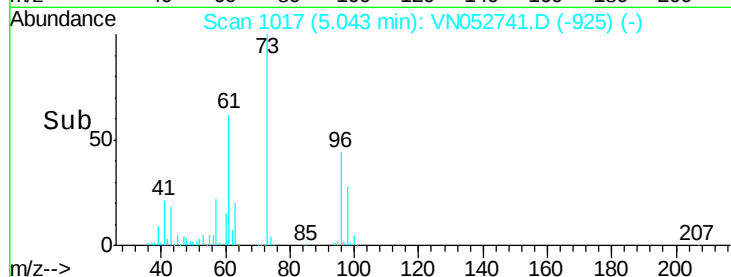
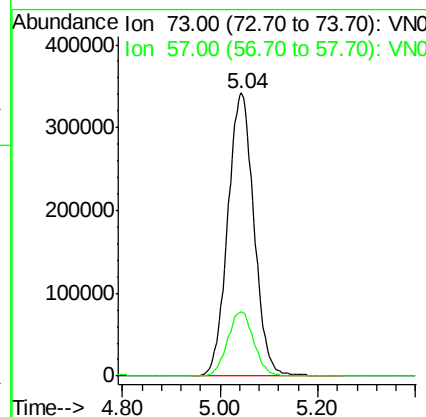
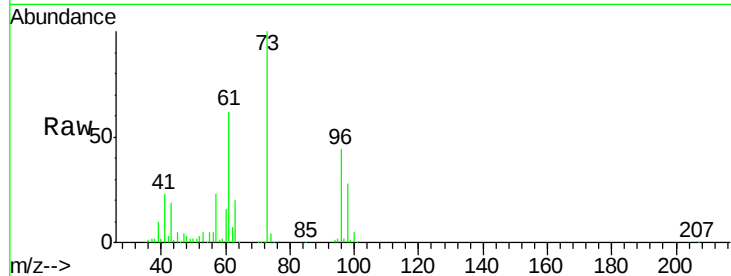
#19
Methyl tert-butyl Ether
Concen: 49.055 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1274211
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.2

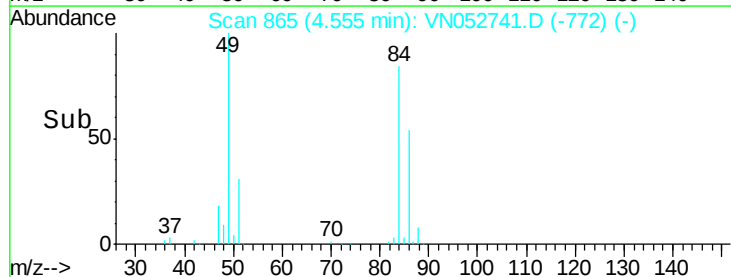
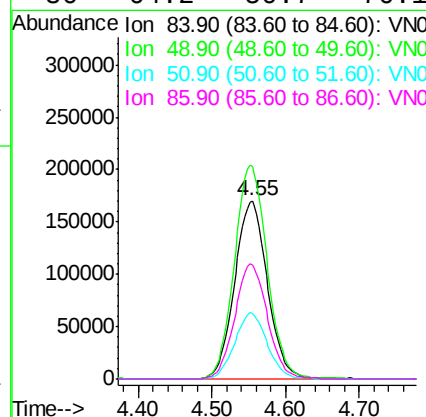
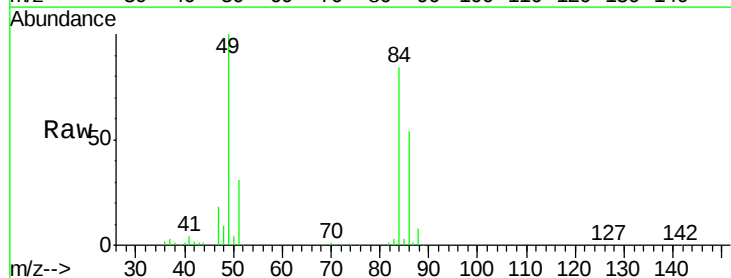
Manual Integrations
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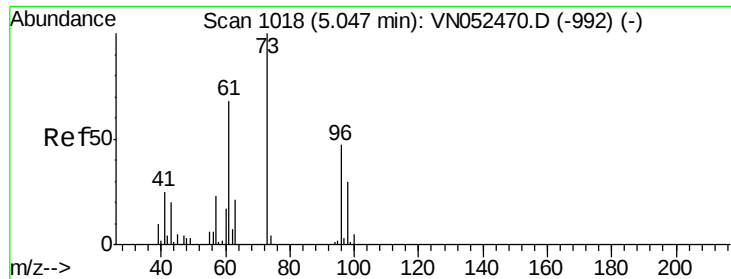
MMDadoda
12/11/2018 12:45:30 PM



#20
Methylene Chloride
Concen: 44.930 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Tgt Ion: 84 Resp: 526253
Ion Ratio Lower Upper
84 100
49 119.2 98.0 147.0
51 37.0 30.1 45.1
86 64.2 50.7 76.1





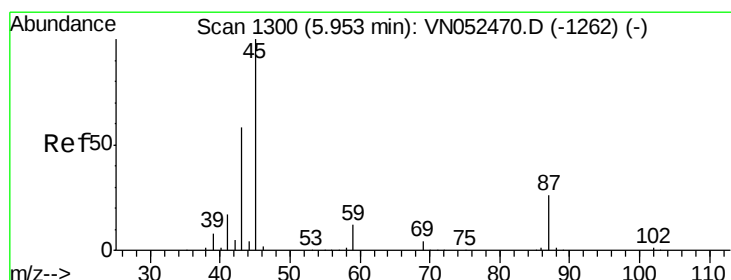
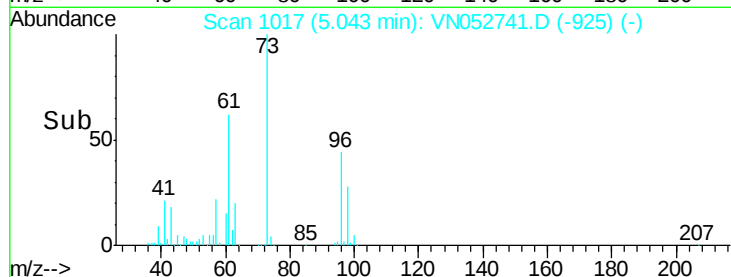
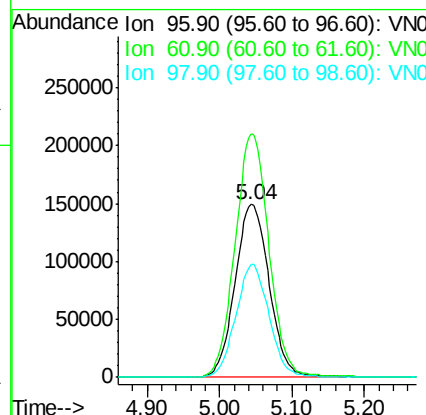
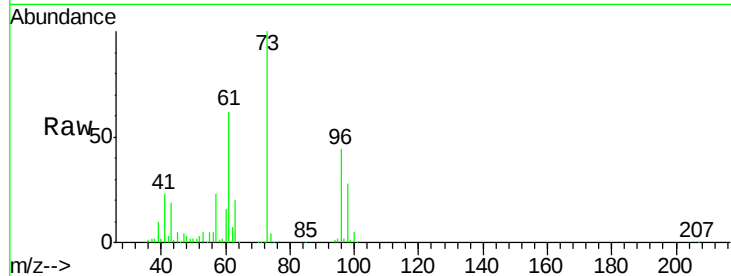
#21
trans-1,2-Dichloroethene
Concen: 47.057 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.9	117.0	175.4
98	65.1	51.8	77.6

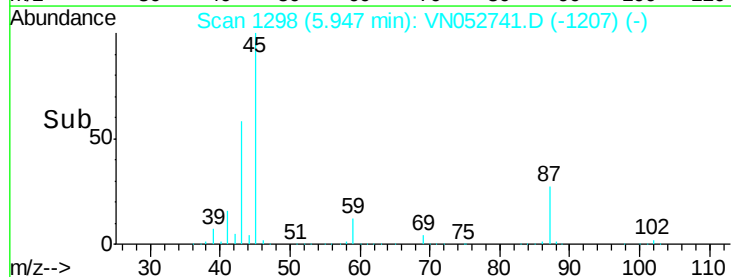
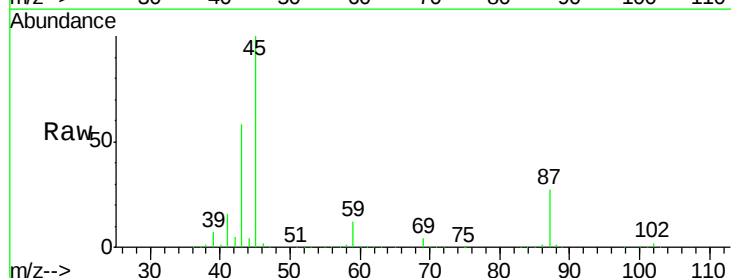
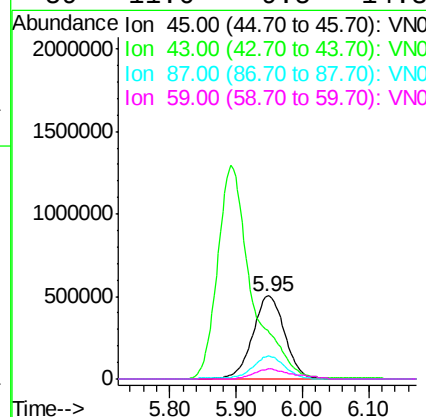
Manual Integrations
APPROVED

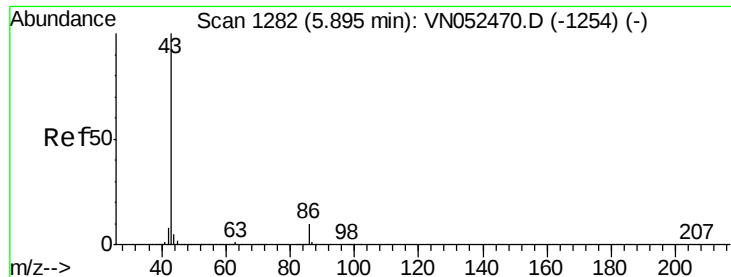
MMDadoda
12/11/2018 12:45:30 PM



#22
Diisopropyl ether
Concen: 47.905 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.01 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.4	46.1	69.1
87	27.3	21.3	31.9
59	11.6	9.5	14.3





#23

Vinyl Acetate

Concen: 209.273 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4606982

Ion Ratio Lower Upper

43 100

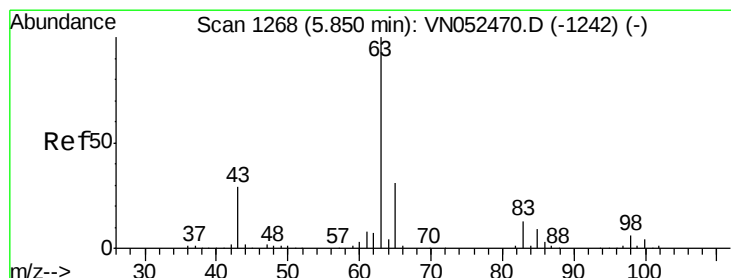
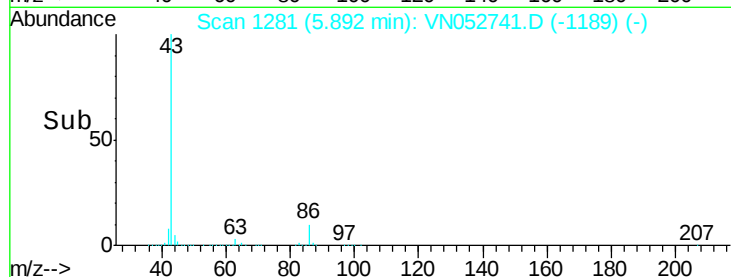
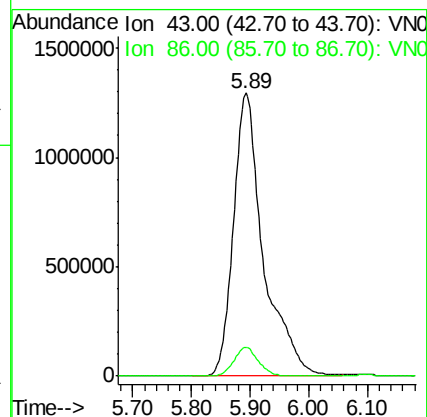
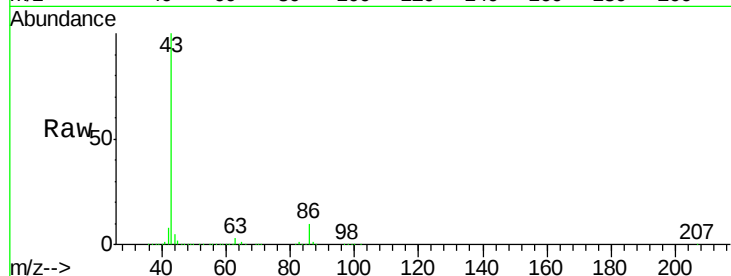
86 10.2 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:45:30 PM



#24

1,1-Dichloroethane

Concen: 48.110 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

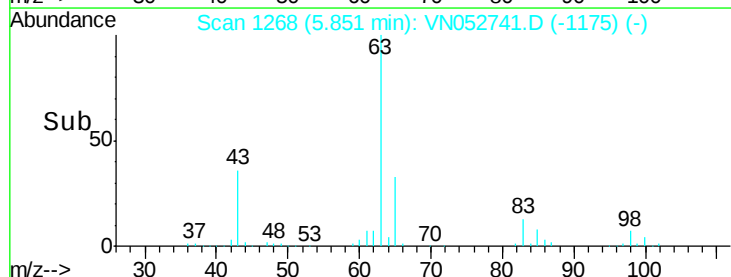
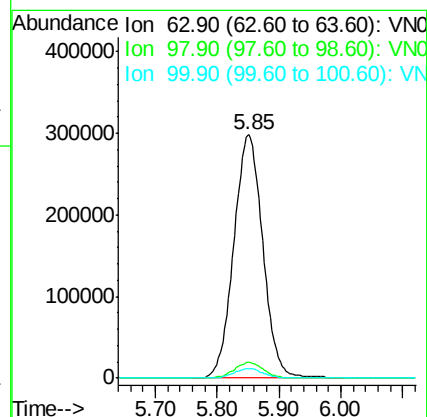
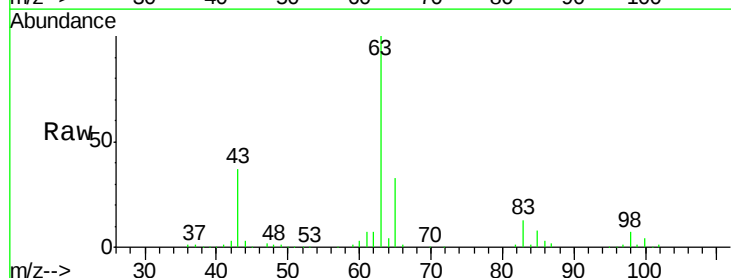
Tgt Ion: 63 Resp: 970880

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

100 3.9 2.0 5.8





#25

2-Butanone

Concen: 221.428 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 939389

Ion Ratio Lower Upper

43 100

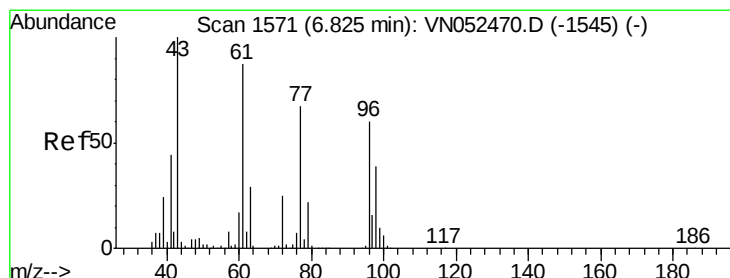
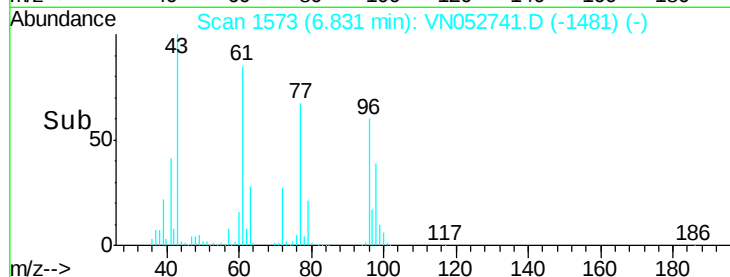
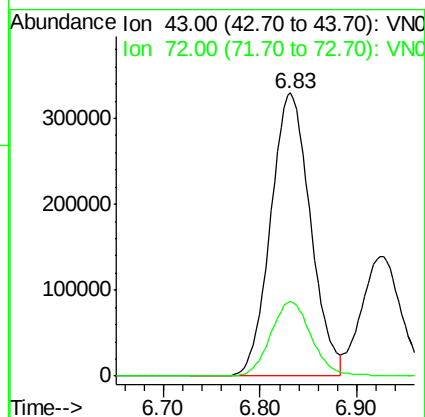
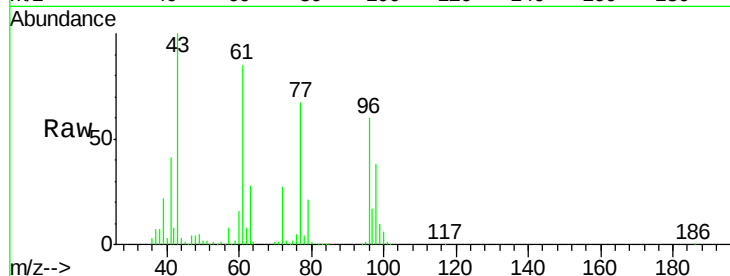
72 26.5 20.1 30.1

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:45:30 PM



#26

2,2-Dichloropropane

Concen: 52.744 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN052741.D

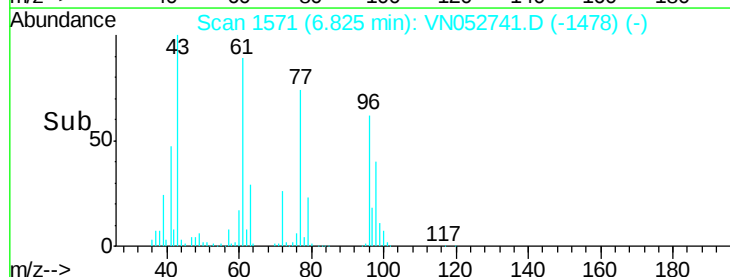
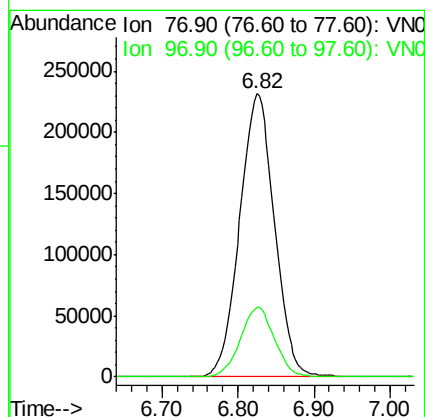
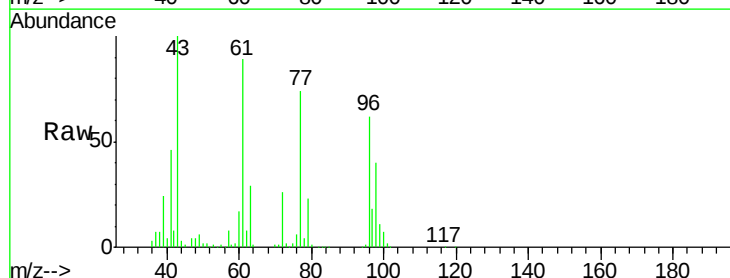
Acq: 10 Dec 2018 9:16

Tgt Ion: 77 Resp: 736727

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 48.087 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Instrument :

MSVOA_N

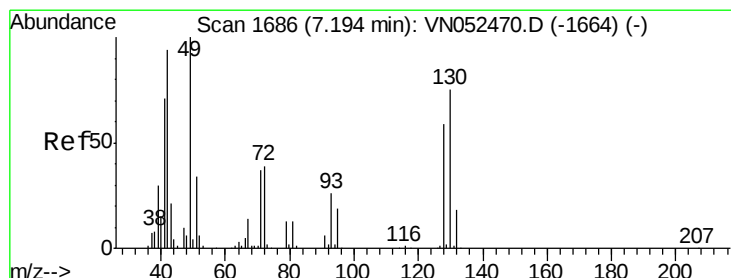
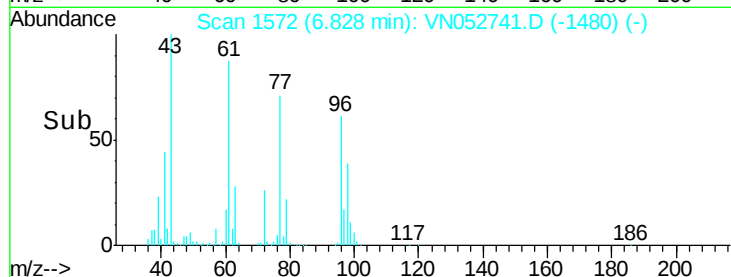
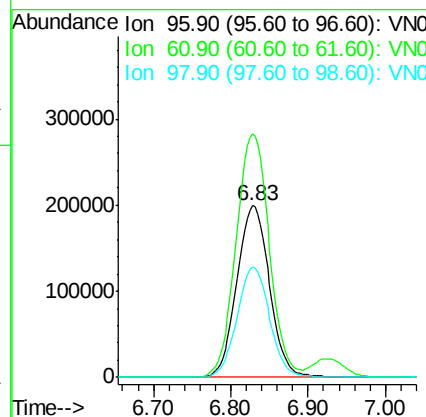
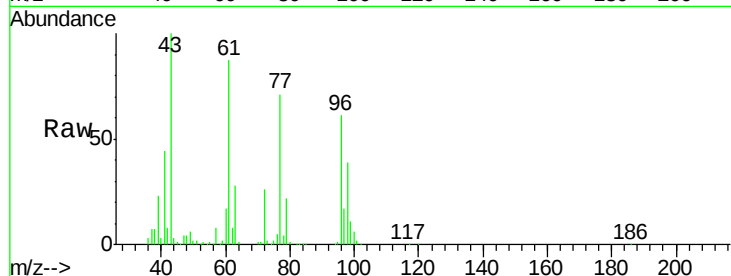
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	584063		
61	144.4	0.0	291.0	
98	64.2	0.0	130.0	

Manual Integrations
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#28

Bromochloromethane

Concen: 47.949 ug/l

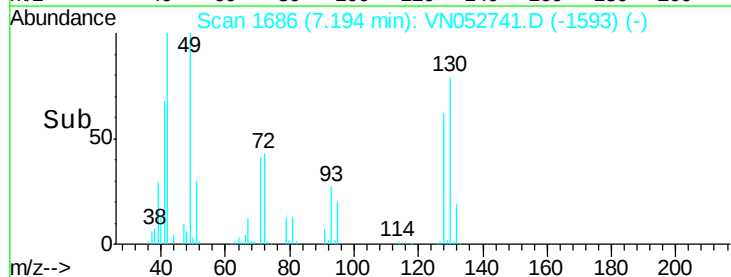
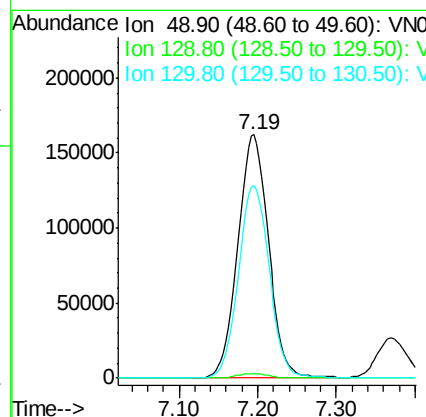
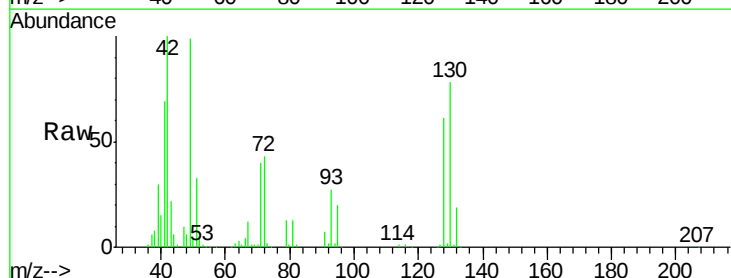
RT: 7.19 min Scan# 1686

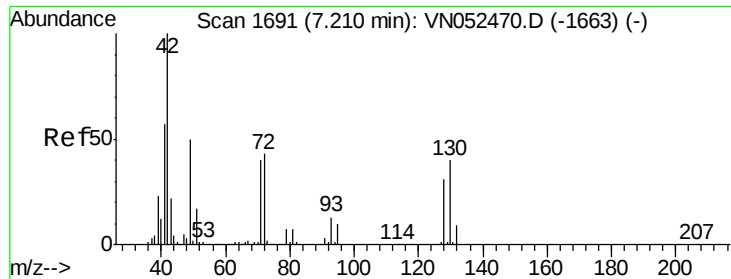
Delta R.T. 0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	441957		
129	1.9	0.0	3.8	
130	79.9	60.2	90.2	





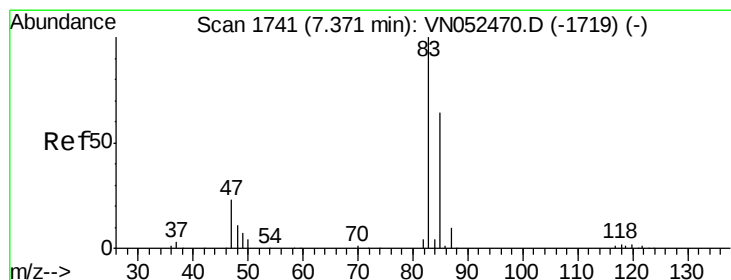
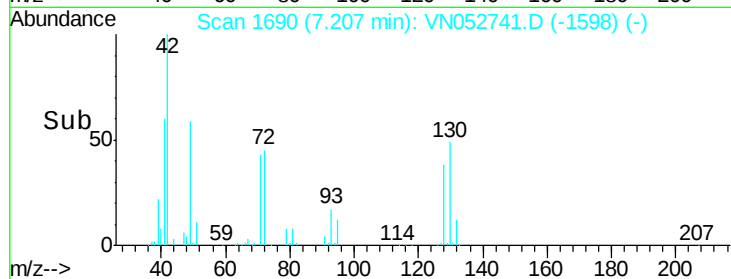
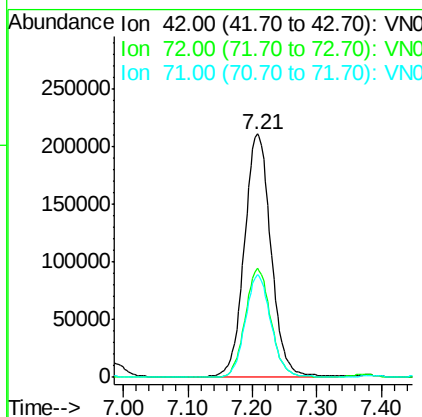
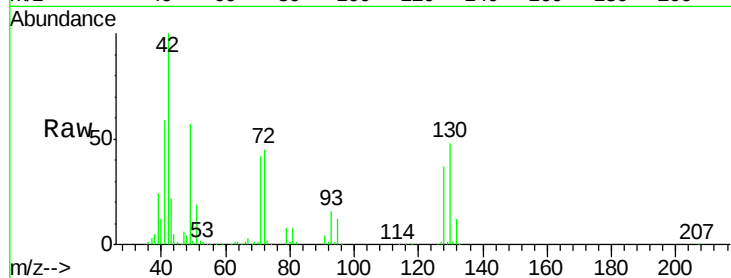
#29
Tetrahydrofuran
Concen: 222.216 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.3	49.9
71	40.6	32.0	48.0

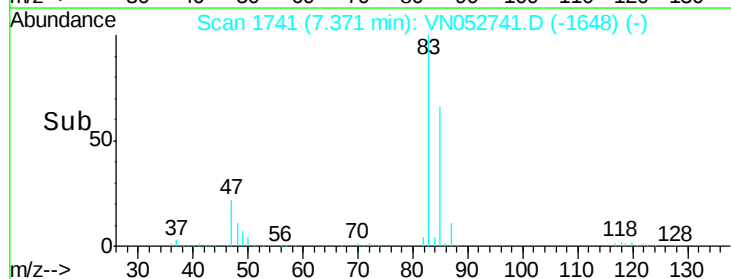
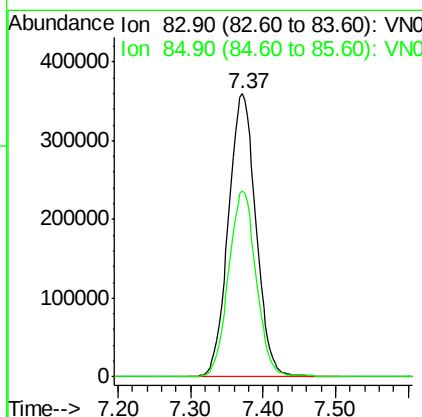
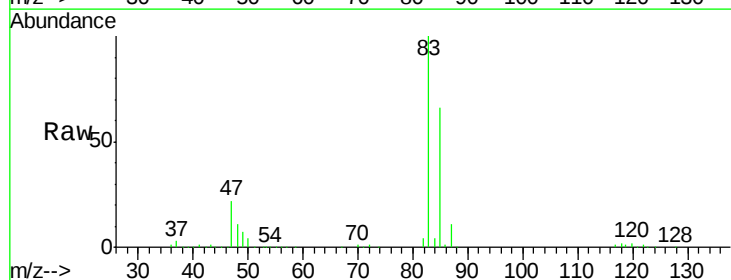
Manual Integrations
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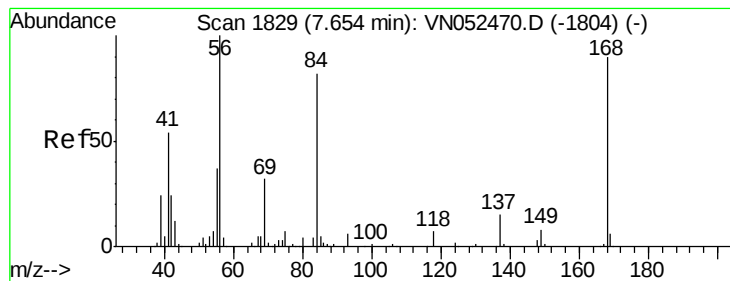
MMDadoda
12/11/2018 12:45:30 PM



#30
Chloroform
Concen: 47.260 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.0	76.4





#31

Cvclohexane

Concen: 44.464 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 869285

Ion Ratio Lower Upper

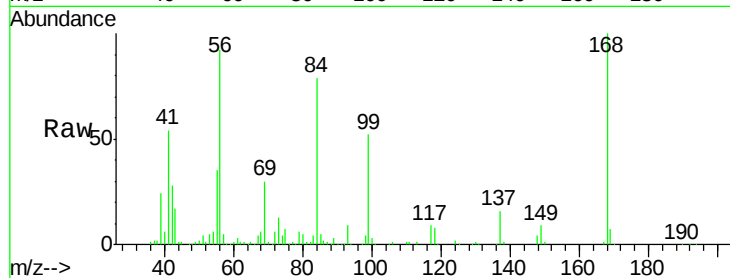
56 100

69 33.1 25.8 38.6

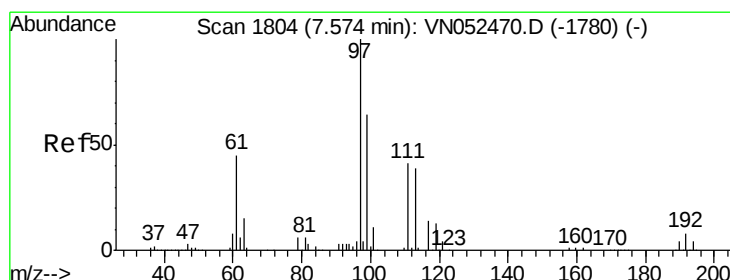
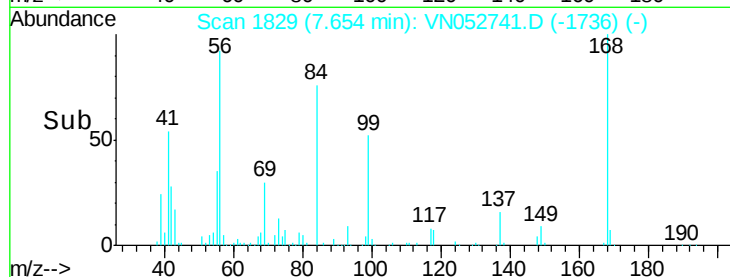
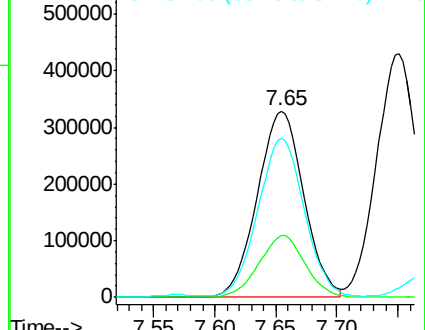
84 84.4 65.3 97.9

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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 49.552 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

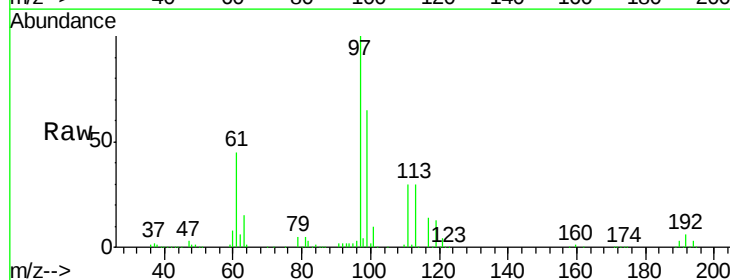
Tgt Ion: 97 Resp: 790457

Ion Ratio Lower Upper

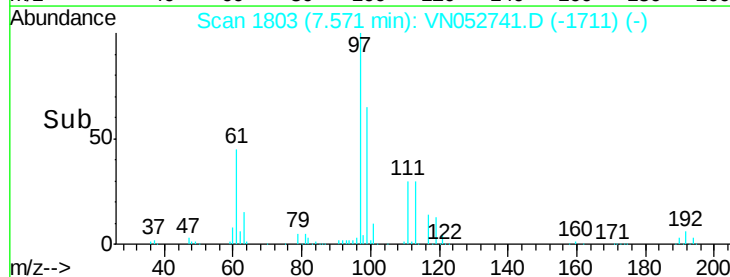
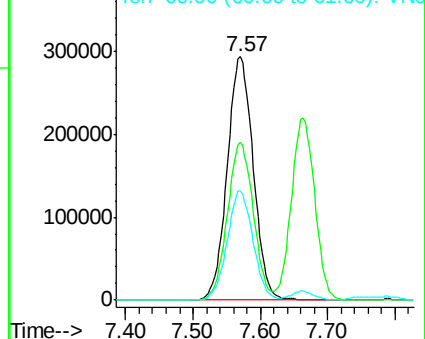
97 100

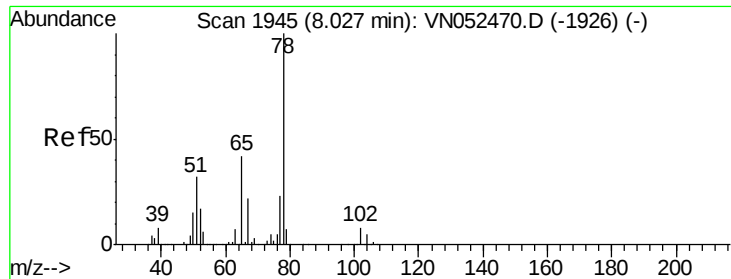
99 64.4 51.7 77.5

61 44.4 36.8 55.2



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





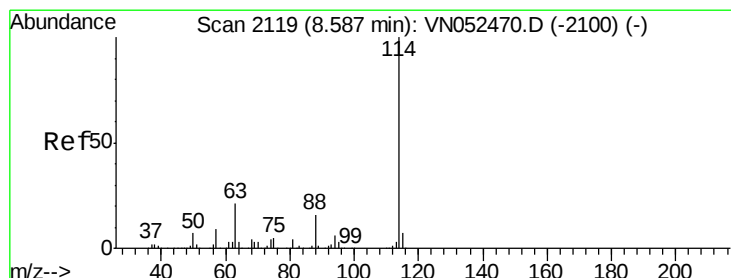
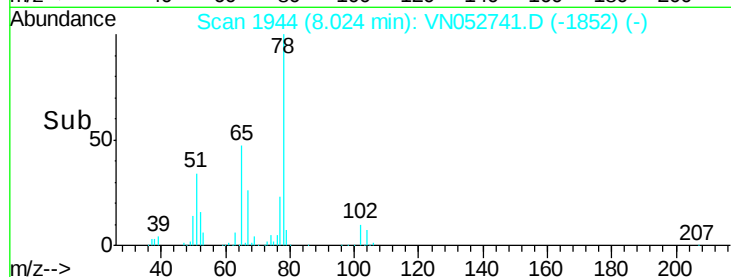
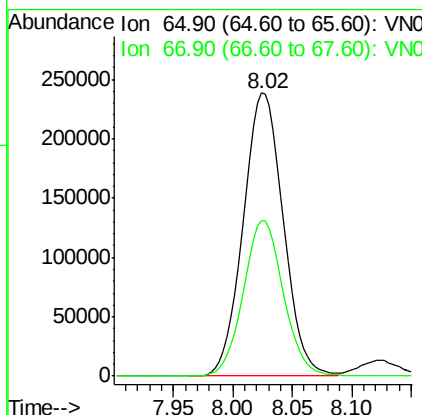
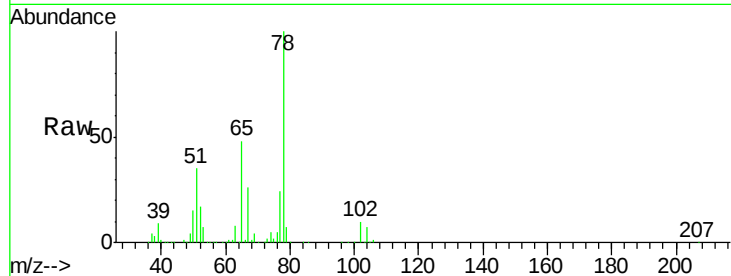
#33
 1,2-Dichloroethane-d4
 Concen: 49.552 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN052741.D
 Acq: 10 Dec 2018 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	558335		
67	55.0	0.0	109.8	

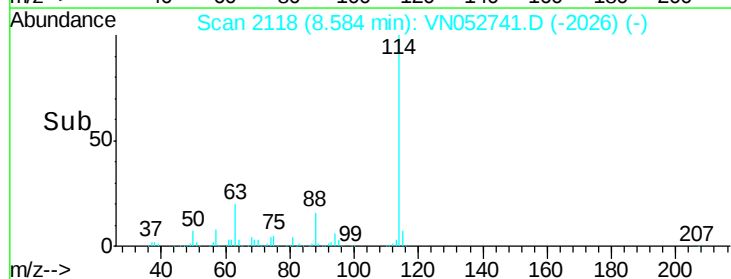
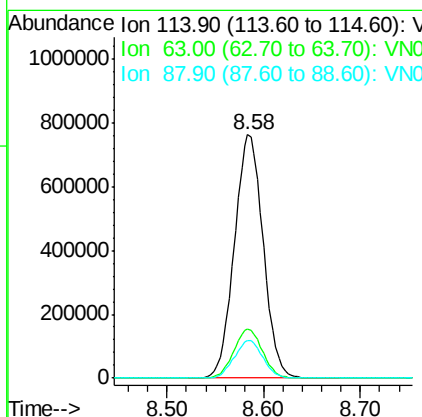
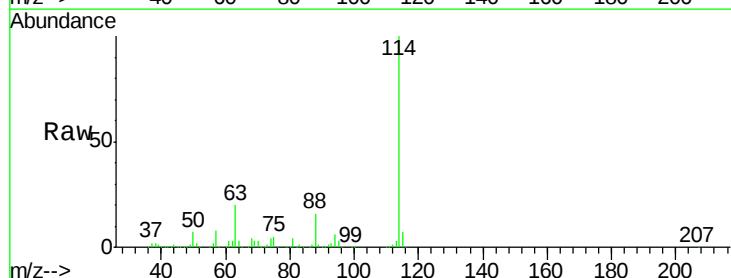
Manual Integrations
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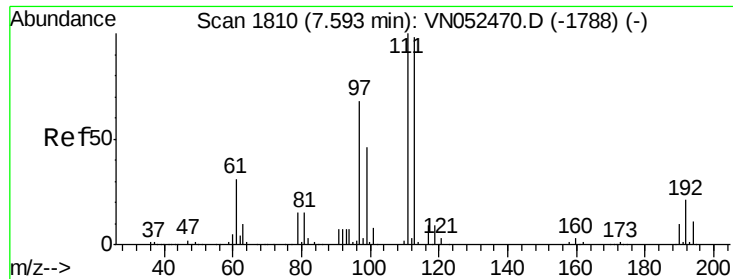
MMDadoda
 12/11/2018 12:45:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052741.D
 Acq: 10 Dec 2018 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1576773		
63	20.1	0.0	41.8	
88	15.7	0.0	31.6	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Instrument :

MSVOA_N

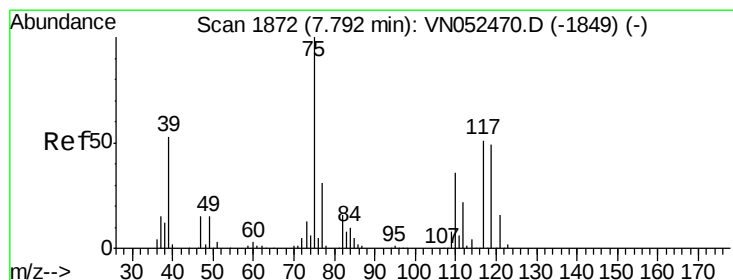
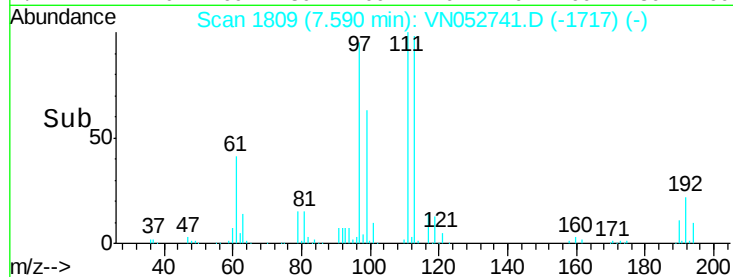
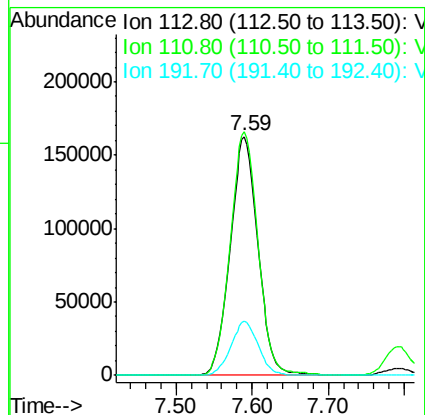
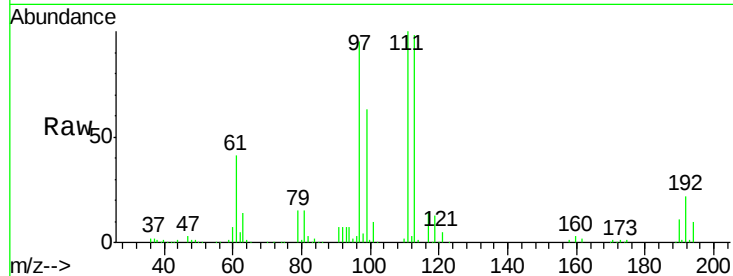
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	412137
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.0	123.0
192	22.5	17.0	25.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.707 ug/l

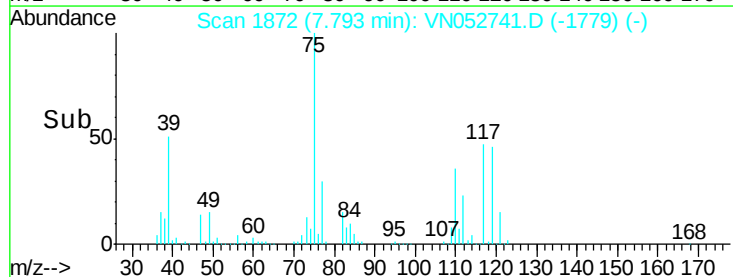
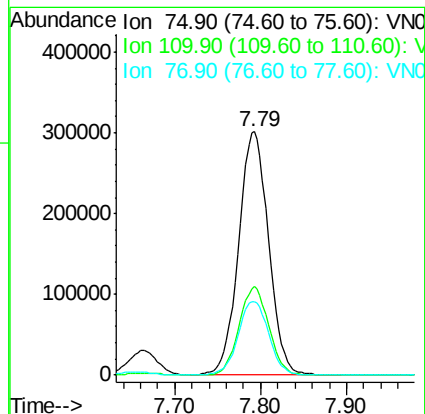
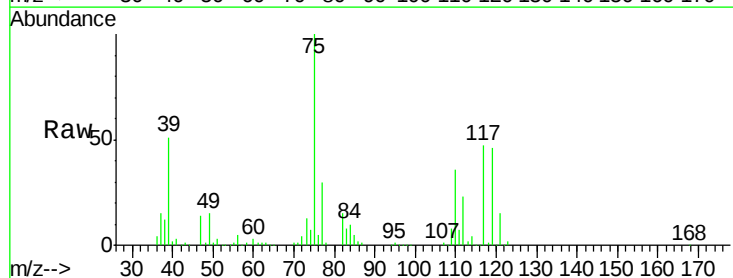
RT: 7.79 min Scan# 1872

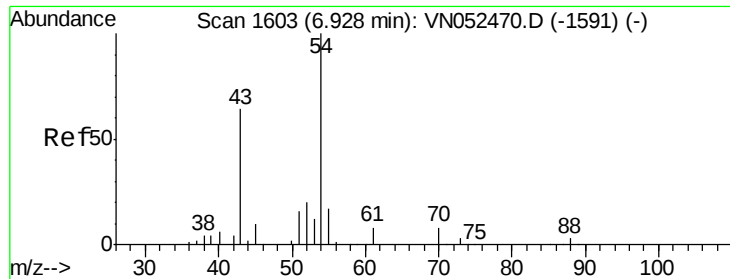
Delta R.T. 0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Tgt Ion:	75	Resp:	725248
Ion Ratio	Lower	Upper	
75	100		
110	36.3	17.5	52.6
77	31.2	24.5	36.7





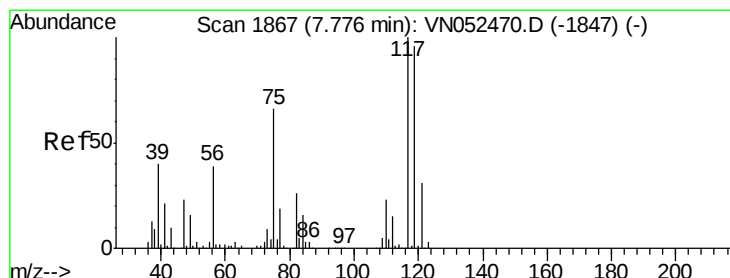
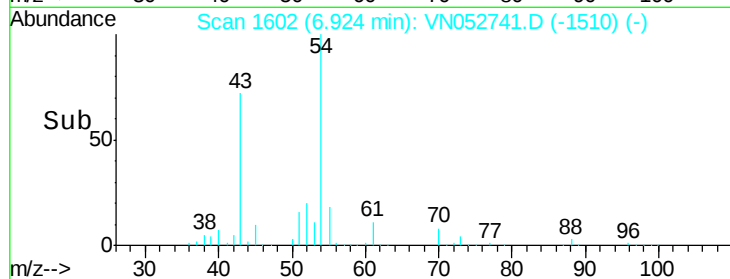
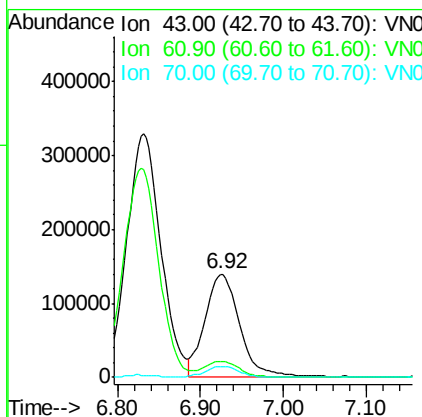
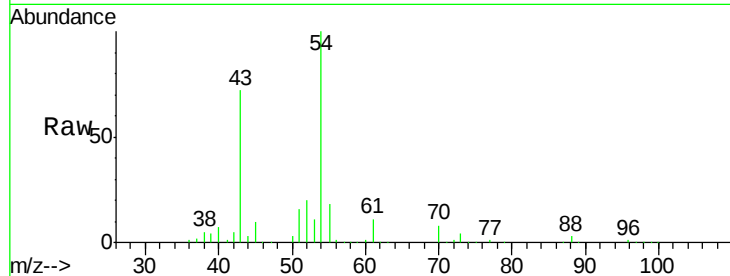
#37
Ethyl Acetate
Concen: 44.239 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.8
70	10.5	7.8	11.8

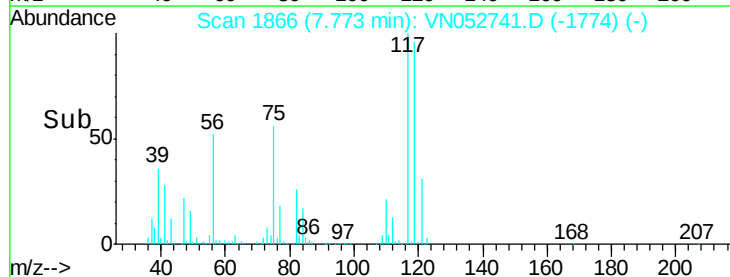
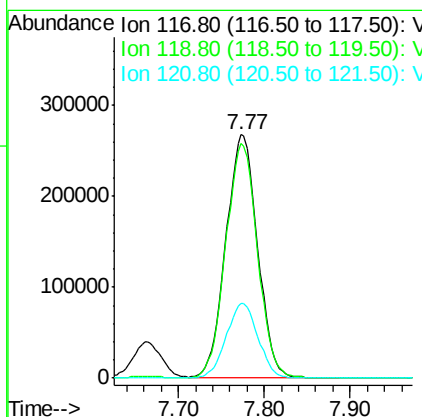
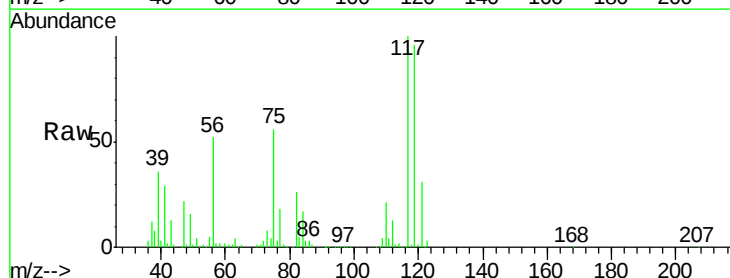
Manual Integrations
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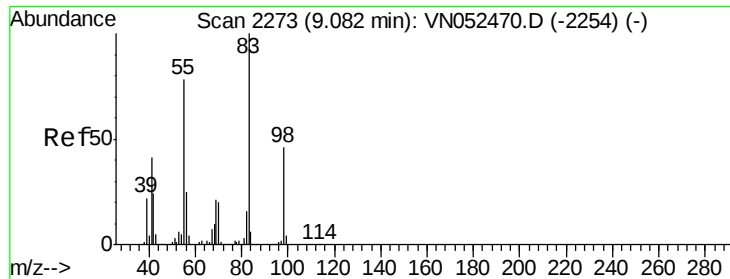
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.828 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.8	115.2
121	30.7	24.9	37.3





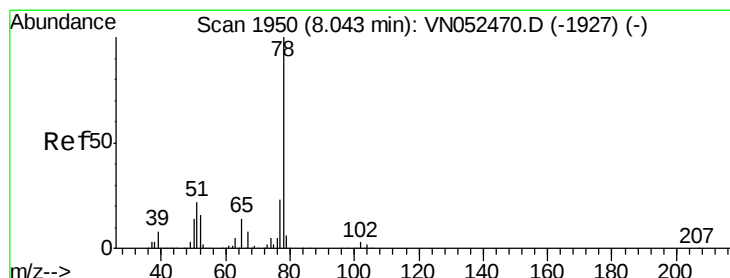
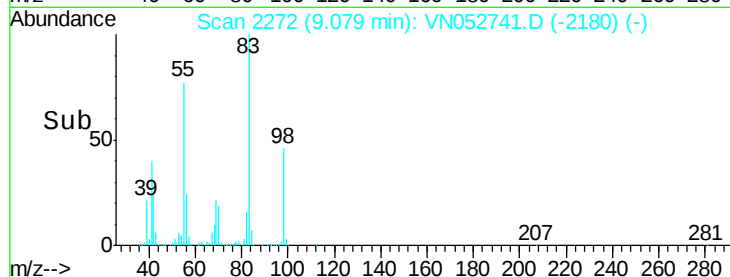
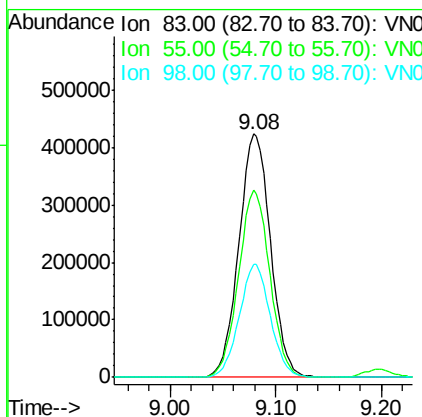
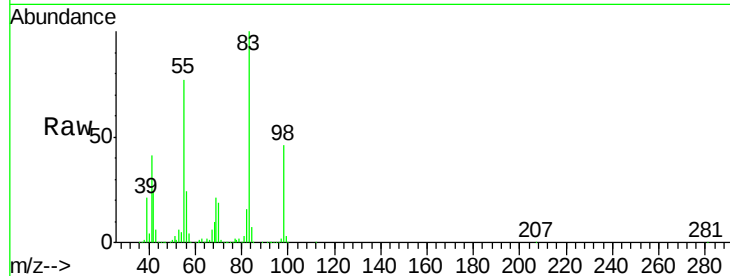
#39
Methvlcvclohexane
Concen: 48.832 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.8	62.2	93.2
98	46.4	36.4	54.6

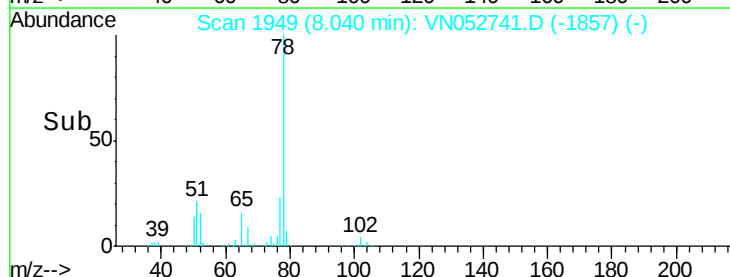
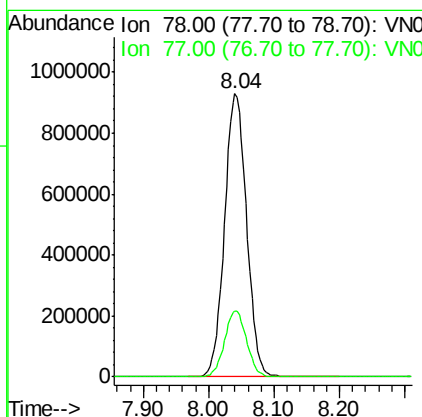
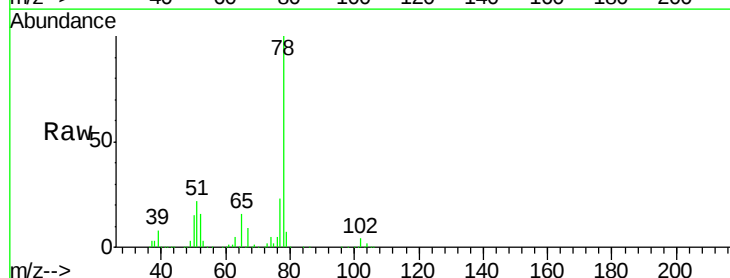
Manual Integrations
APPROVED

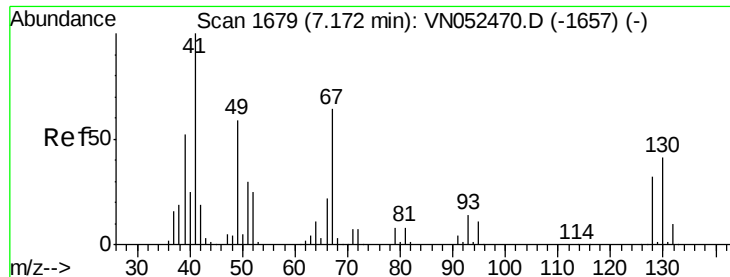
MMDadoda
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#40
Benzene
Concen: 48.964 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





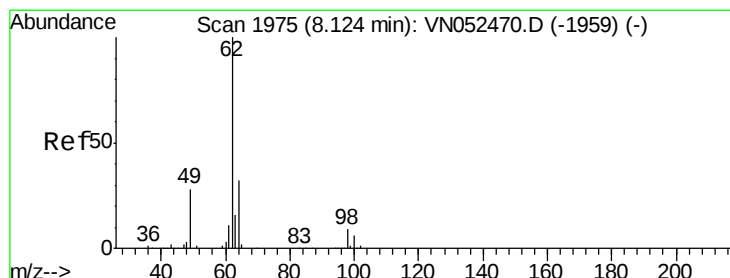
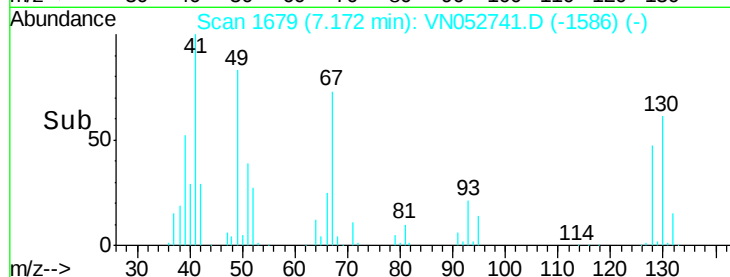
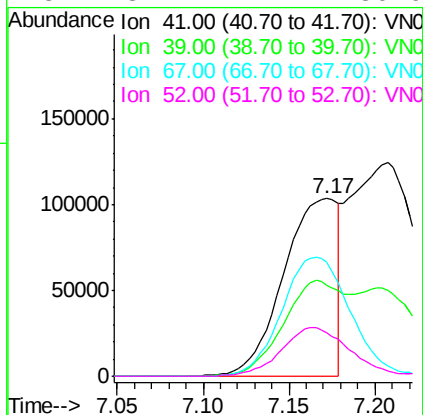
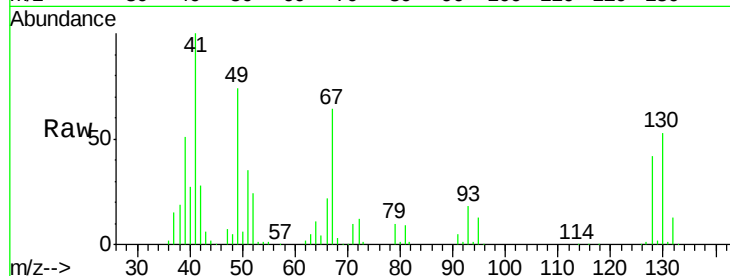
#41
Methacrylonitrile
Concen: 45.476 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	225928
Ion Ratio	Lower	Upper	
41	100		
39	61.0	50.9	76.3
67	85.9	63.6	95.4
52	34.7	24.4	36.6

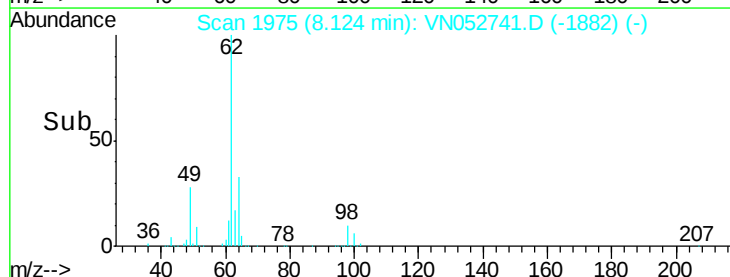
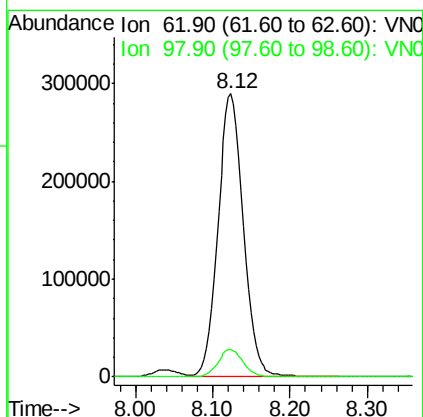
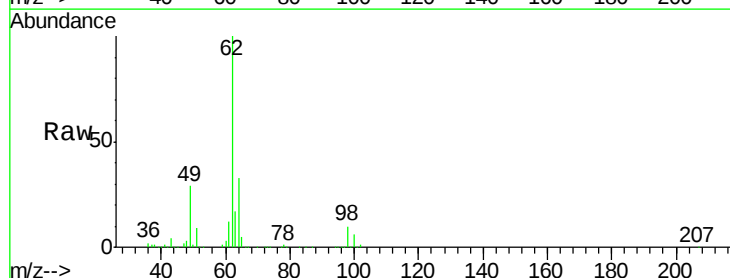
Manual Integrations
APPROVED

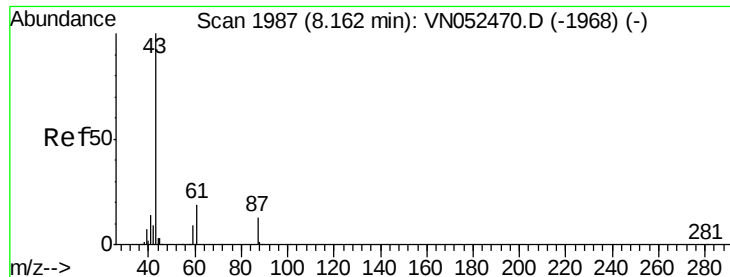
MMDadoda
12/11/2018 12:45:30 PM



#42
1,2-Dichloroethane
Concen: 49.271 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Tgt Ion	62	Resp	662005
Ion Ratio	Lower	Upper	
62	100		
98	9.6	0.0	18.6





#43

Isopropyl Acetate

Concen: 48.434 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Instrument :

MSVOA_N

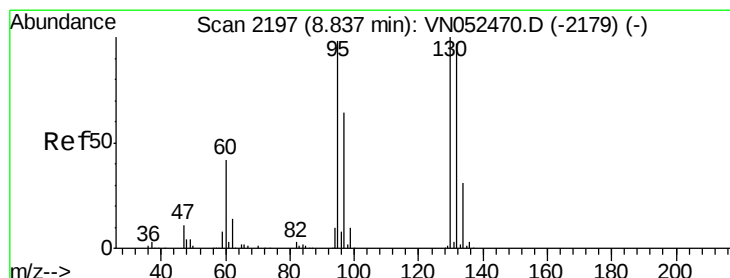
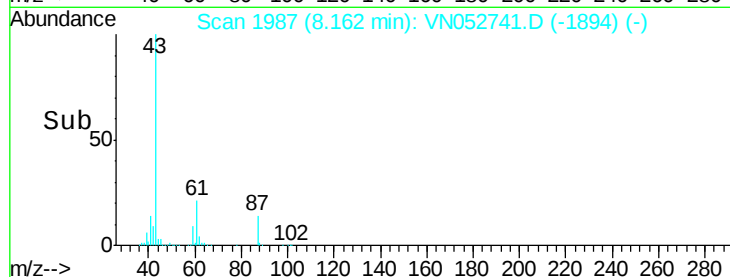
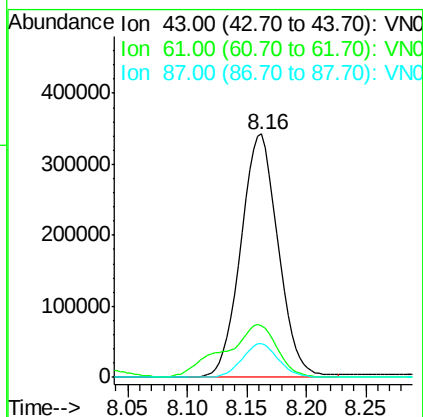
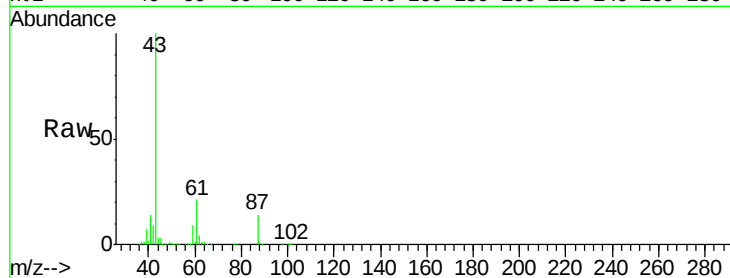
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	744830
Ion Ratio	Lower	Upper	
43	100		
61	30.4	24.1	36.1
87	13.4	10.6	15.8

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#44

Trichloroethene

Concen: 52.288 ug/l

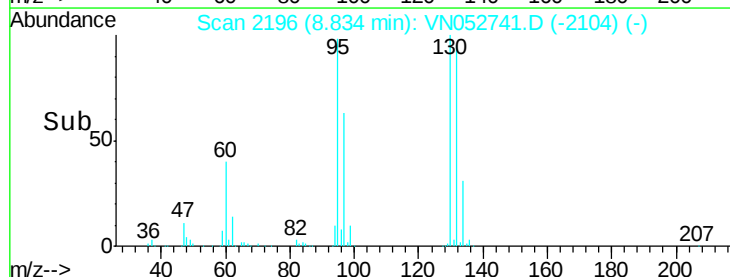
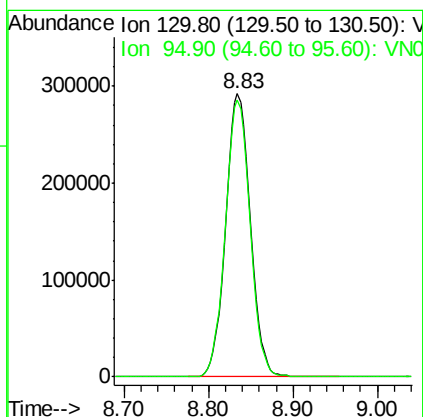
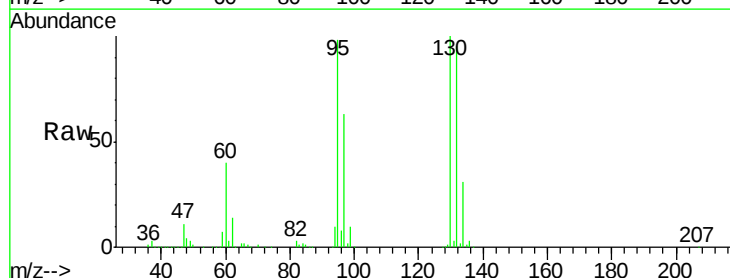
RT: 8.83 min Scan# 2196

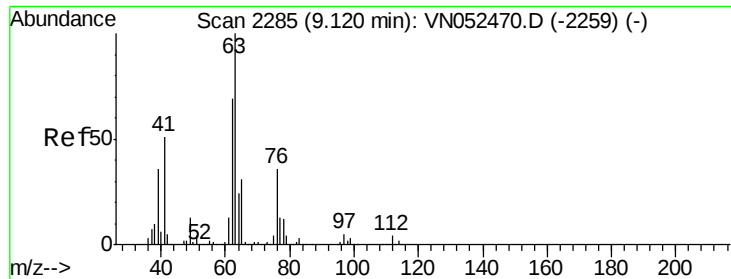
Delta R.T. -0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Tgt Ion:	130	Resp:	594334
Ion Ratio	Lower	Upper	
130	100		
95	97.7	0.0	195.6





#45

1,2-Dichloropropane

Concen: 49.636 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 585590

Ion Ratio Lower Upper

63 100

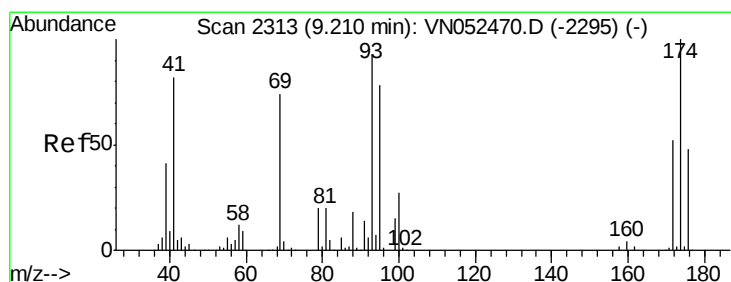
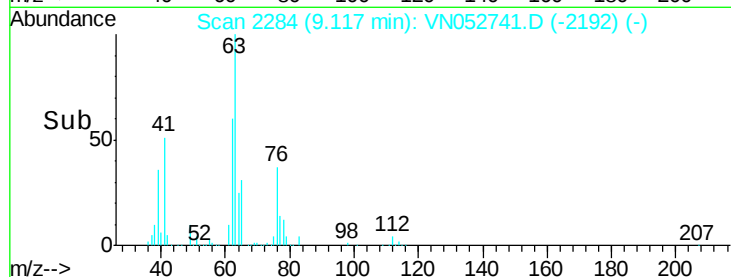
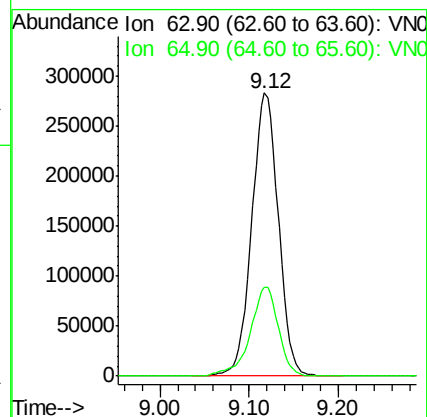
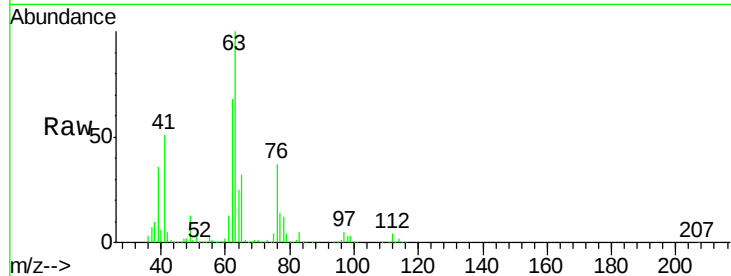
65 31.5 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 50.853 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

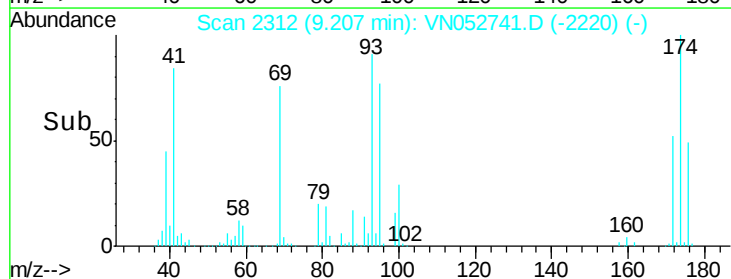
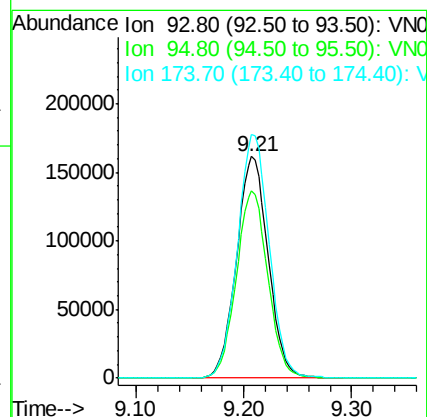
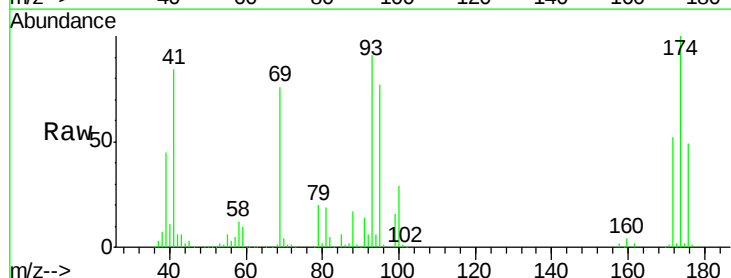
Tgt Ion: 93 Resp: 332121

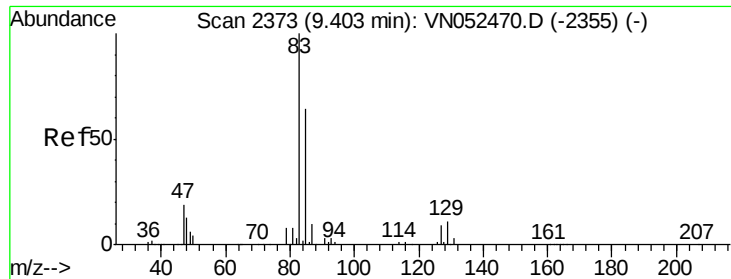
Ion Ratio Lower Upper

93 100

95 83.7 67.1 100.7

174 109.7 85.8 128.8





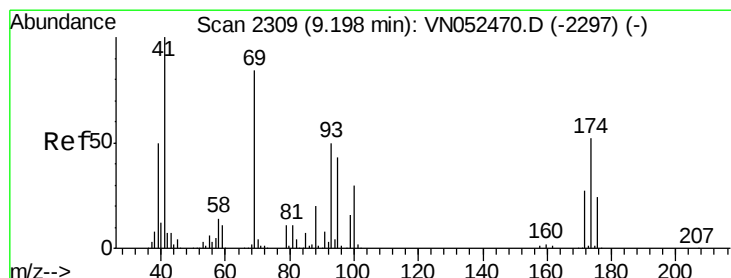
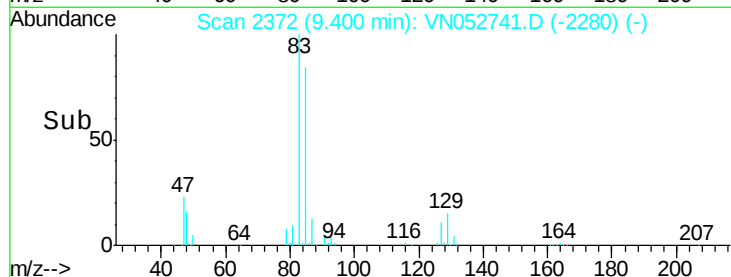
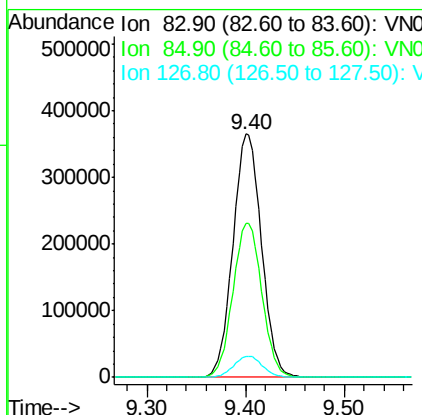
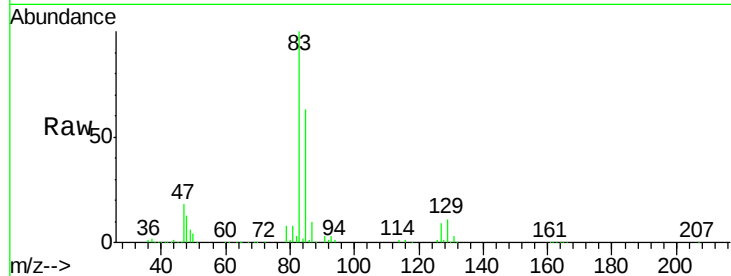
#47
Bromodichloromethane
Concen: 51.418 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	730115		
85	63.4	51.3	76.9	
127	8.6	6.9	10.3	

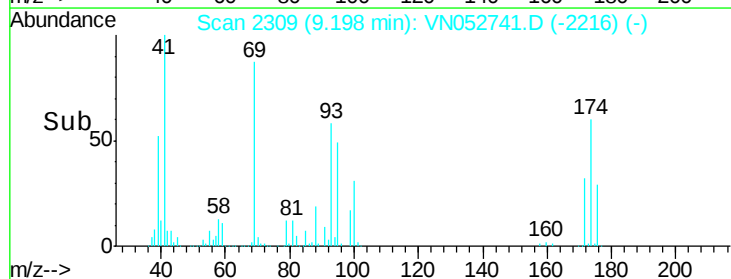
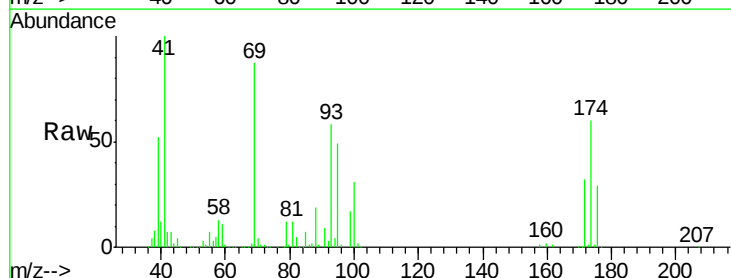
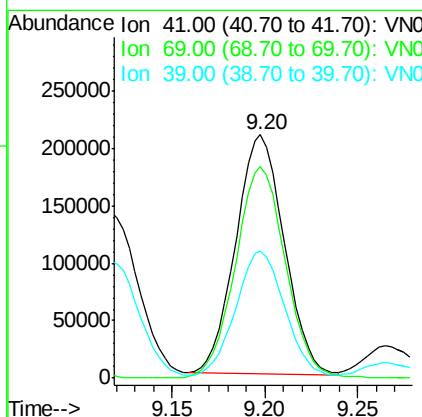
Manual Integrations
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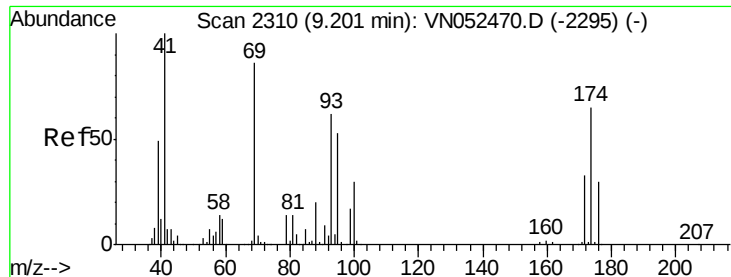
MMDadoda
12/11/2018 12:45:30 PM



#48
Methyl methacrylate
Concen: 47.217 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	378622		
69	91.4	70.0	105.0	
39	54.4	42.6	64.0	





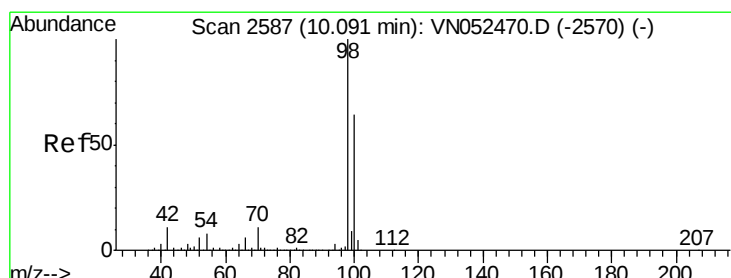
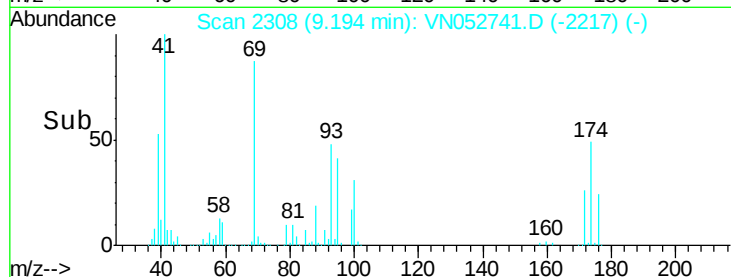
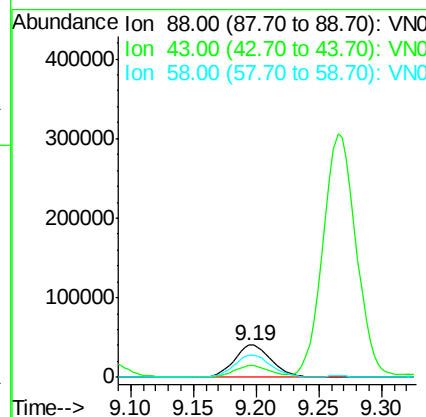
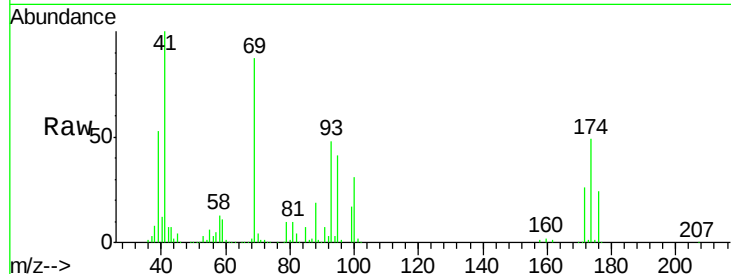
#49
1,4-Dioxane
Concen: 1000.395 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	26.4	39.6
58	69.0	55.4	83.0

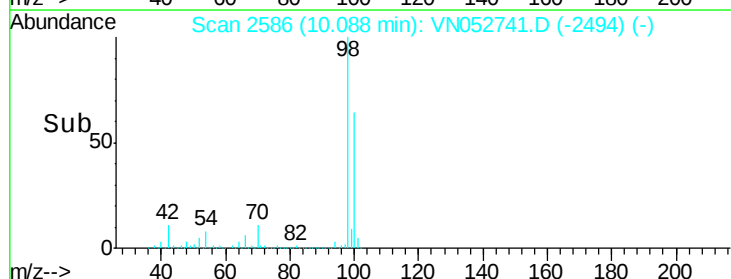
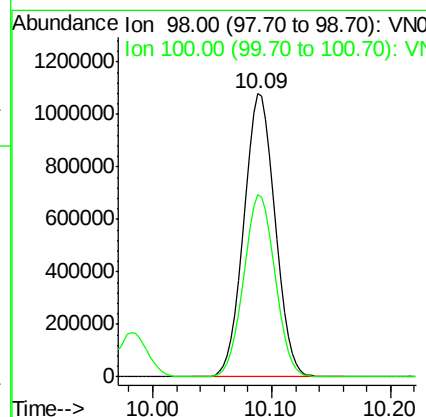
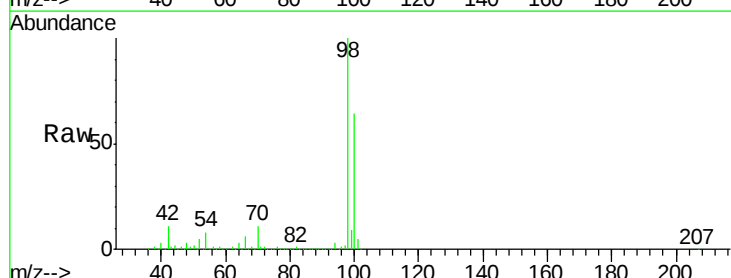
Manual Integrations
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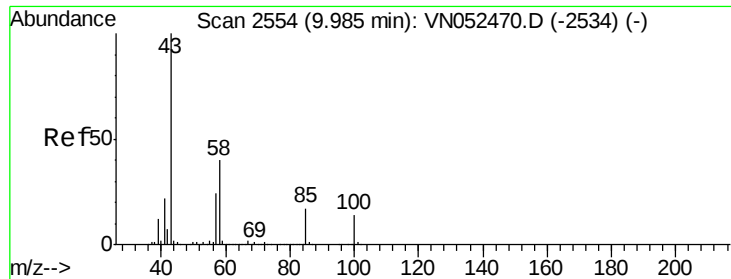
MMDadoda
12/11/2018 12:45:30 PM



#50
Toluene-d8
Concen: 1000.395 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 239.537 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2066798

Ion Ratio Lower Upper

43 100

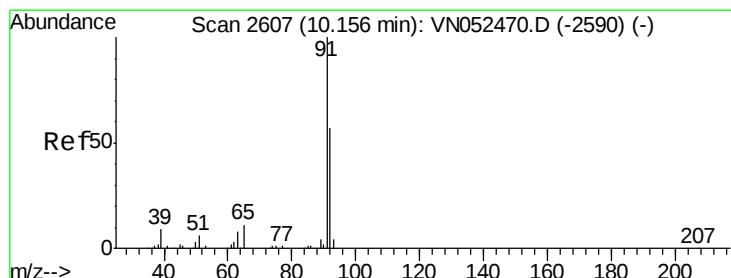
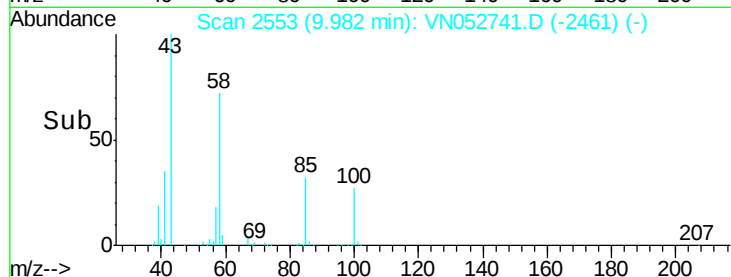
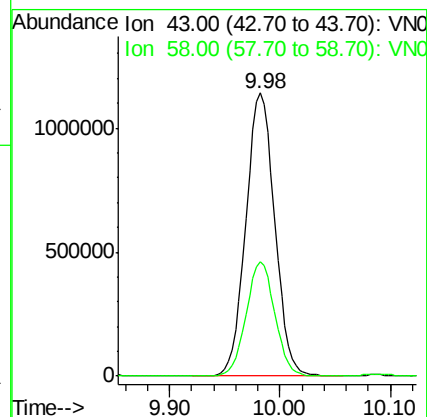
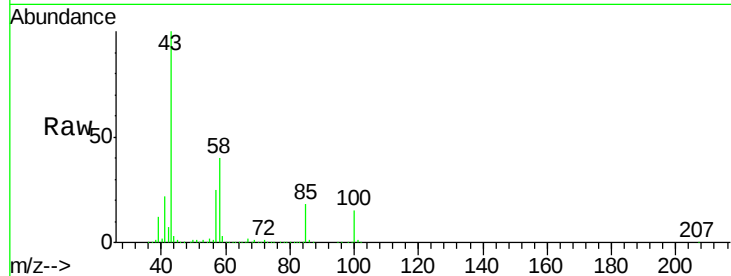
58 40.1 31.5 47.3

Manual Integrations

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#52

Toluene

Concen: 50.640 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052741.D

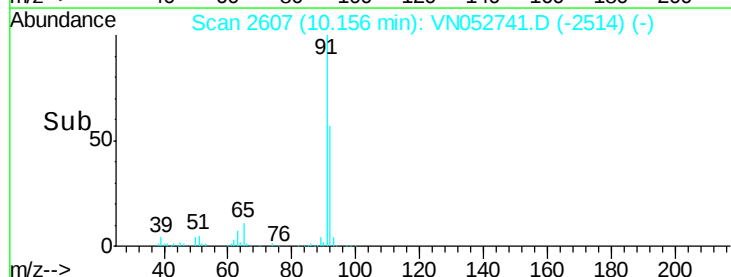
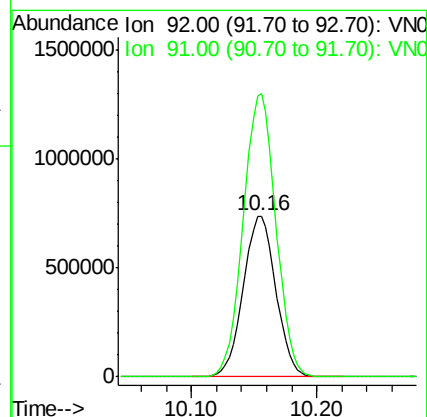
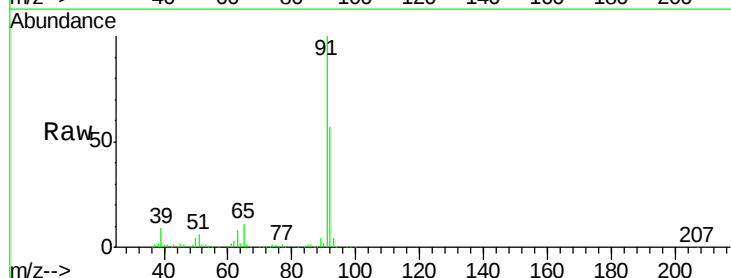
Acq: 10 Dec 2018 9:16

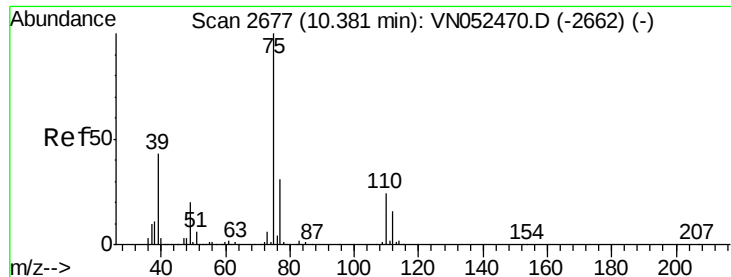
Tgt Ion: 92 Resp: 1335121

Ion Ratio Lower Upper

92 100

91 176.1 141.0 211.4





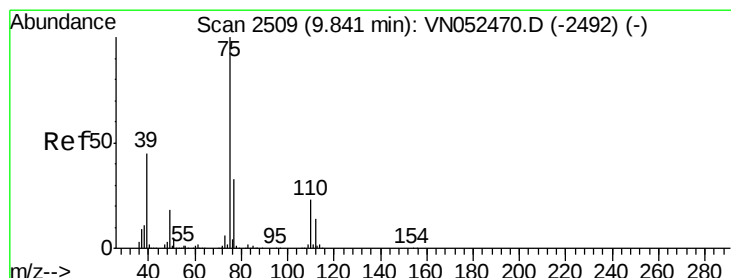
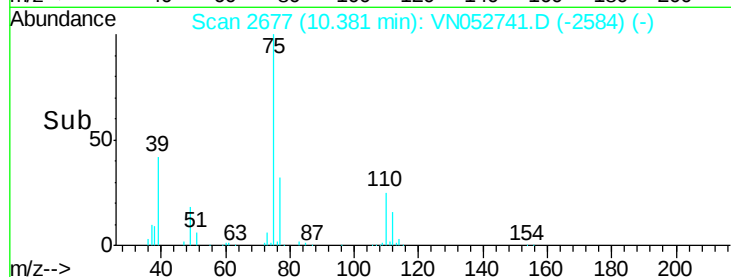
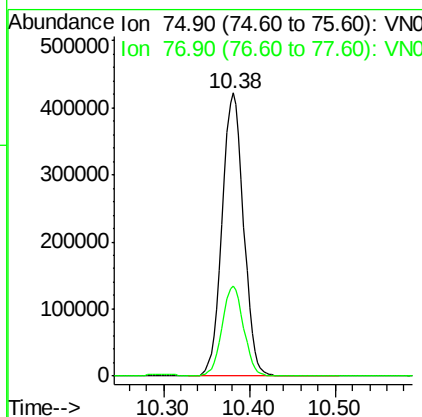
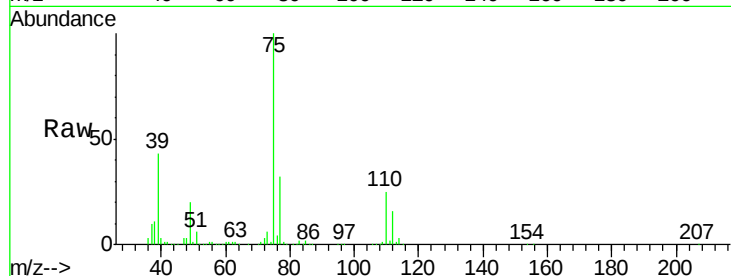
#53
t-1,3-Dichloropropene
Concen: 53.613 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 732360
Ion Ratio Lower Upper
75 100
77 31.9 25.0 37.4

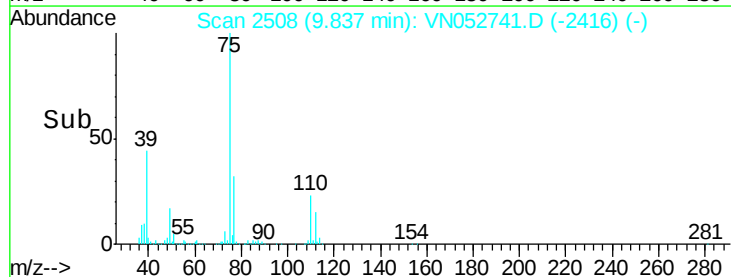
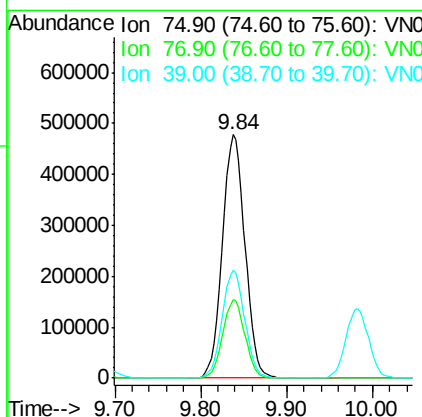
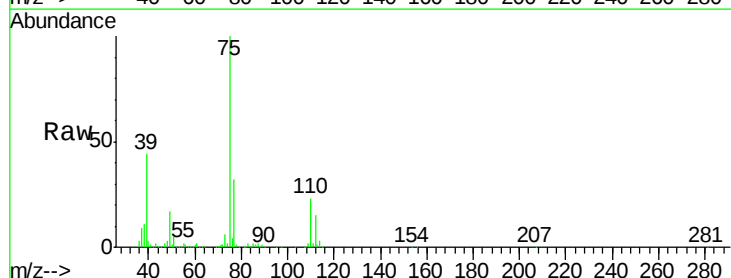
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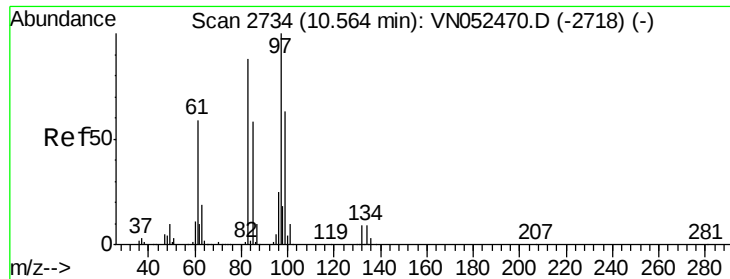
MMDadoda
12/11/2018 12:45:30 PM



#54
cis-1,3-Dichloropropene
Concen: 53.249 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Tgt Ion: 75 Resp: 871680
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2
39 44.3 36.0 54.0





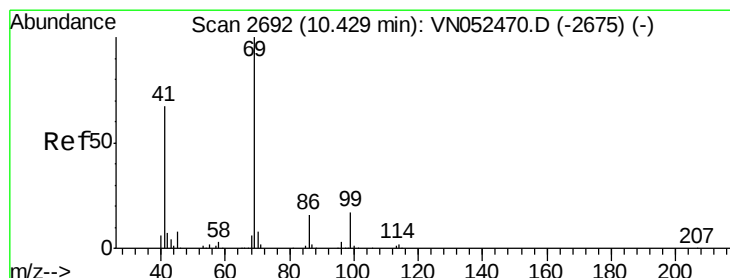
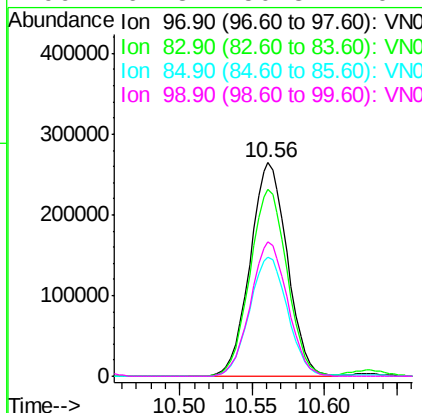
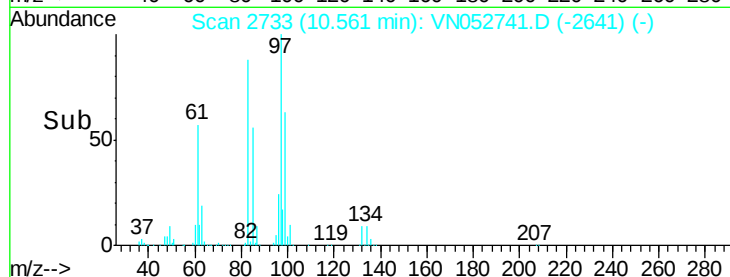
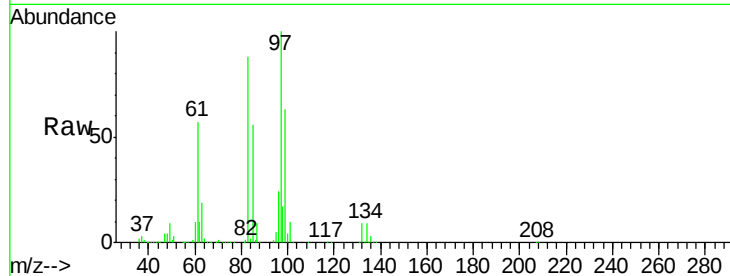
#55
 1,1,2-Trichloroethane
 Concen: 50.907 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052741.D
 Acq: 10 Dec 2018 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	472111
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.7	106.1
85	56.0	46.1	69.1
99	62.8	50.8	76.2

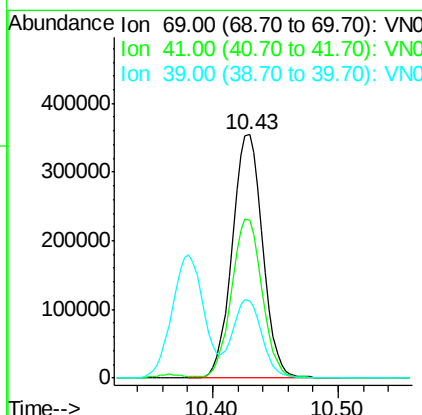
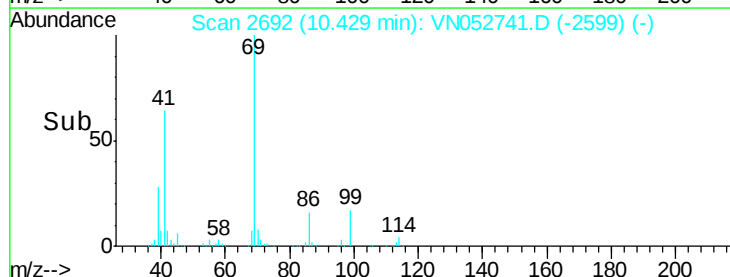
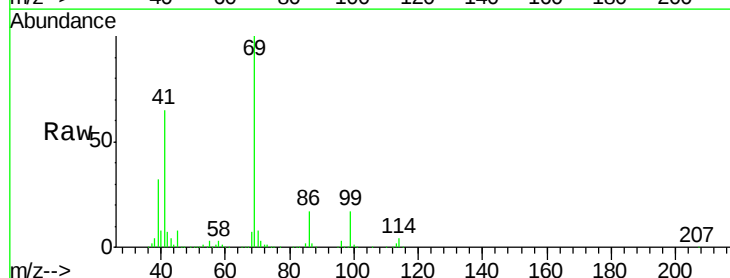
Manual Integrations
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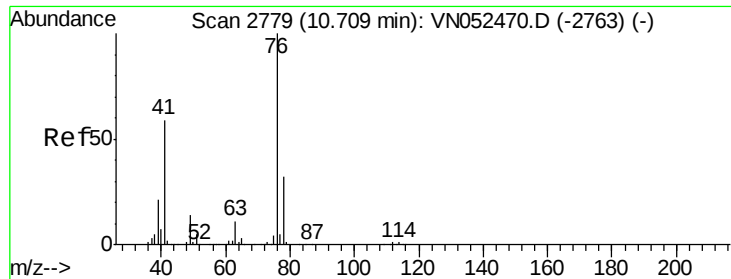
MMDadoda
 12/11/2018 12:45:30 PM



#56
 Ethyl methacrylate
 Concen: 46.678 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052741.D
 Acq: 10 Dec 2018 9:16

Tgt Ion:	69	Resp:	598687
Ion	Ratio	Lower	Upper
69	100		
41	65.2	52.6	79.0
39	30.9	25.9	38.9





#57

1,3-Dichloropropane

Concen: 49.781 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 815171

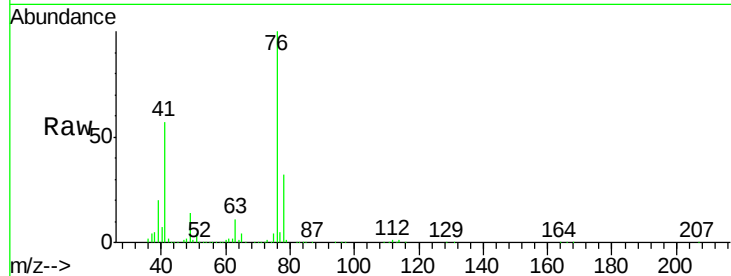
Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:45:30 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

500000

400000

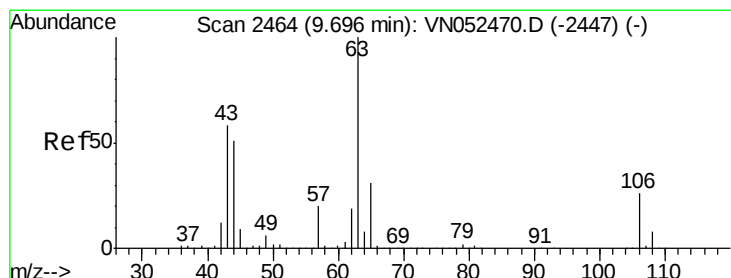
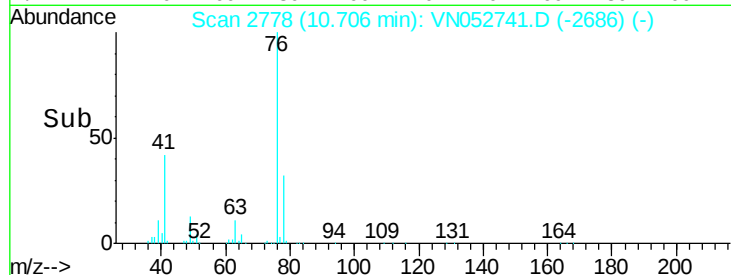
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 257.542 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052741.D

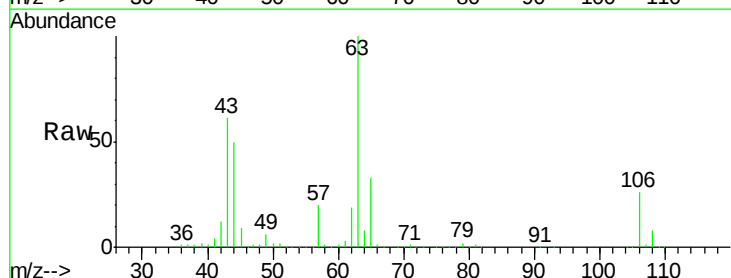
Acq: 10 Dec 2018 9:16

Tgt Ion: 63 Resp: 1733114

Ion Ratio Lower Upper

63 100

106 26.3 20.6 30.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

1000000

800000

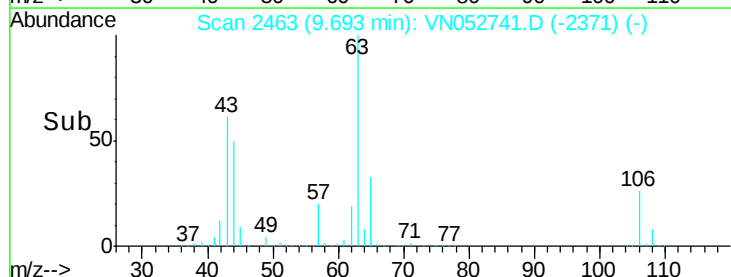
600000

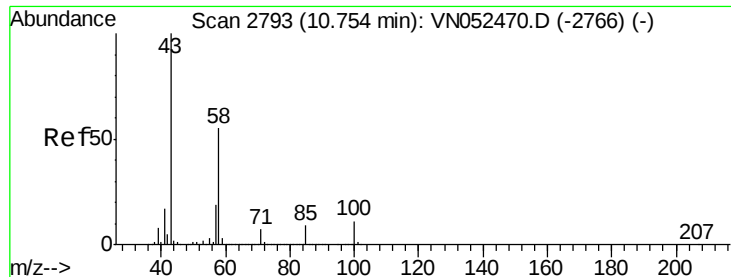
400000

200000

0

Time-->





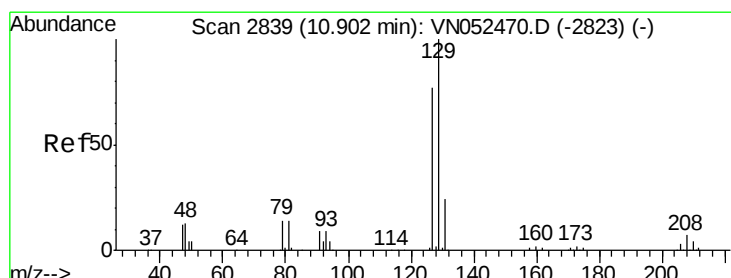
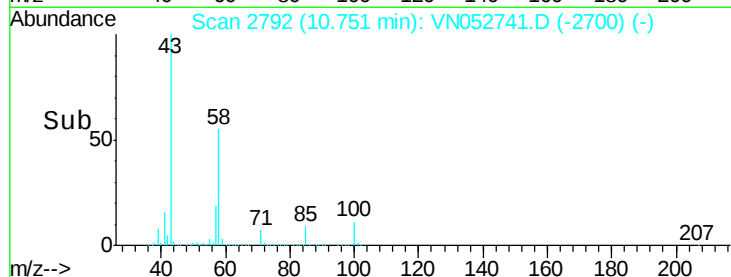
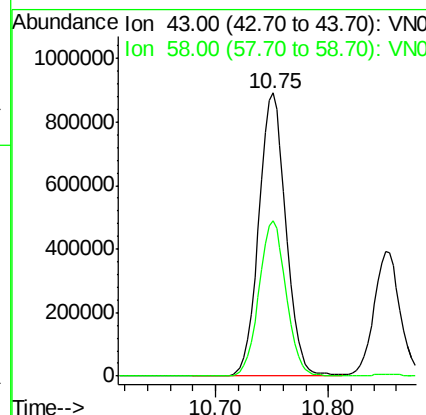
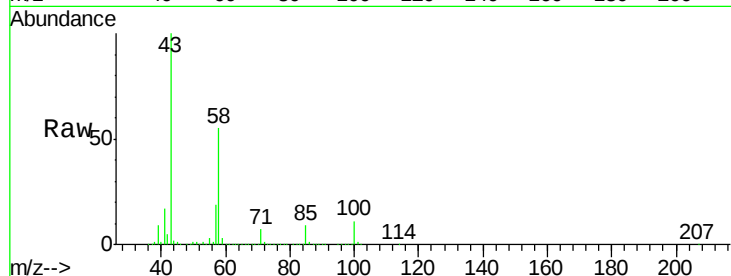
#59
2-Hexanone
Concen: 255.747 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1481004
Ion Ratio Lower Upper
43 100
58 55.1 27.4 82.0

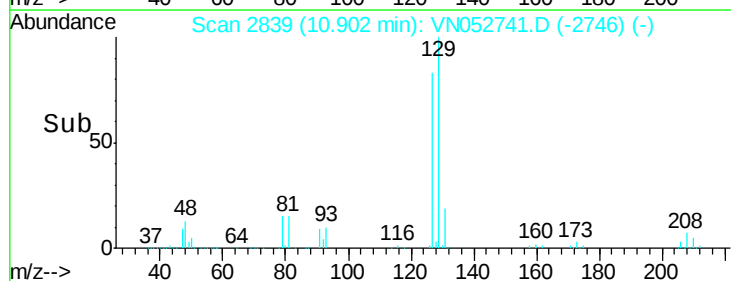
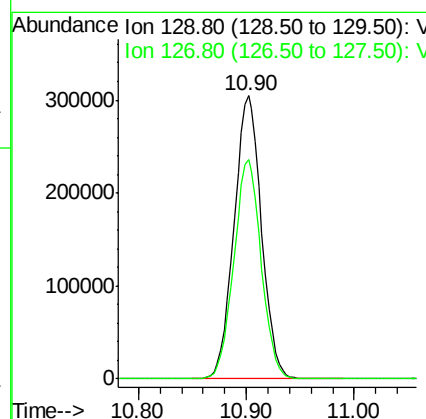
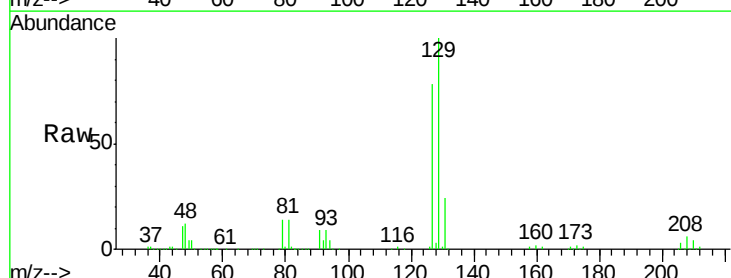
Manual Integrations
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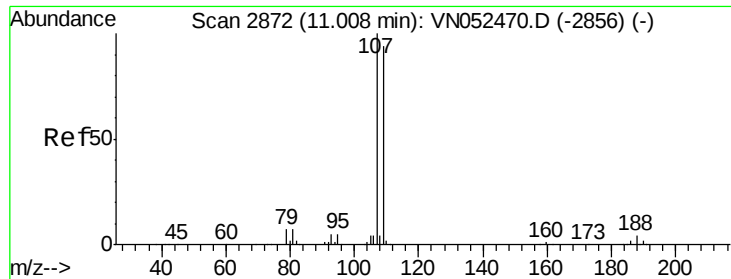
MMDadoda
12/11/2018 12:45:30 PM



#60
Dibromochloromethane
Concen: 53.592 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Tgt Ion: 129 Resp: 539803
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.6





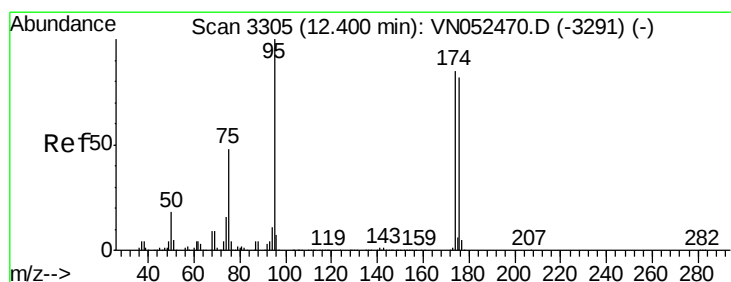
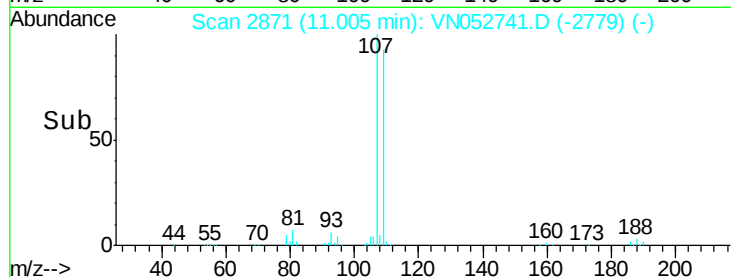
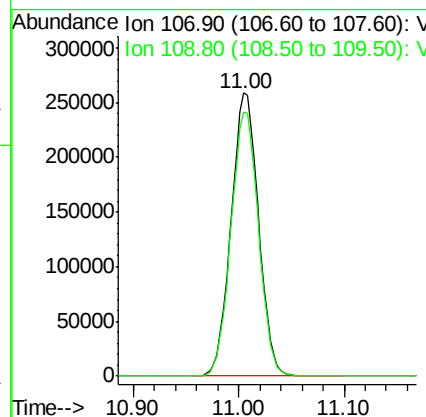
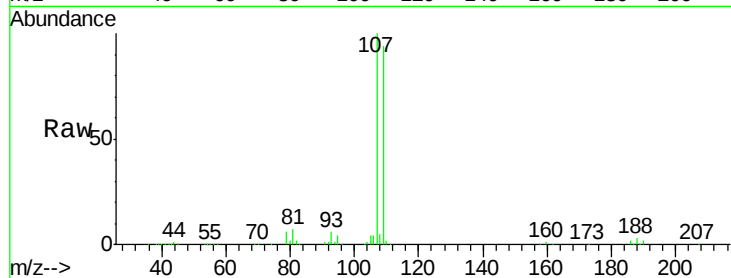
#61
 1,2-Dibromoethane
 Concen: 50.424 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052741.D
 Acq: 10 Dec 2018 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.6	113.4

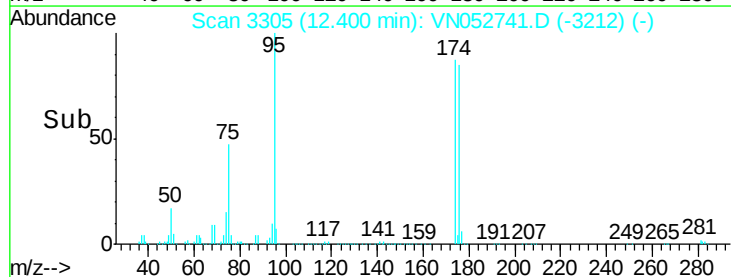
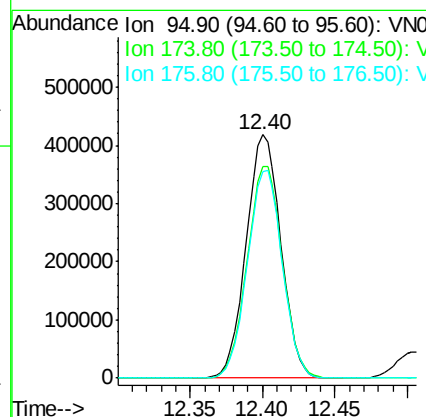
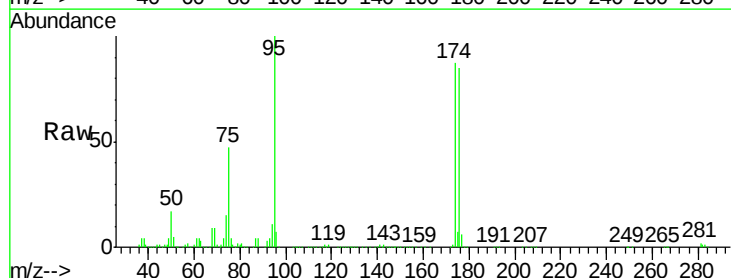
Manual Integrations
 APPROVED

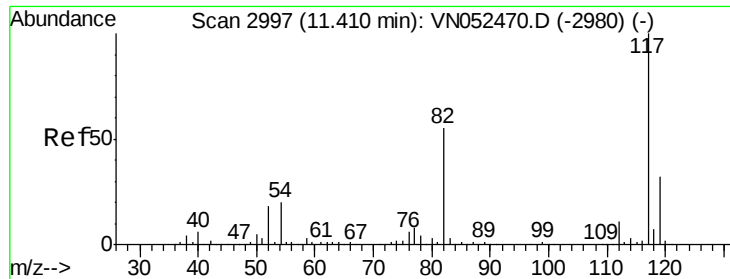
MMDadoda
 12/11/2018 12:45:30 PM



#62
 4-Bromofluorobenzene
 Concen: 50.424 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052741.D
 Acq: 10 Dec 2018 9:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.3	0.0	173.0
176	85.9	0.0	166.2





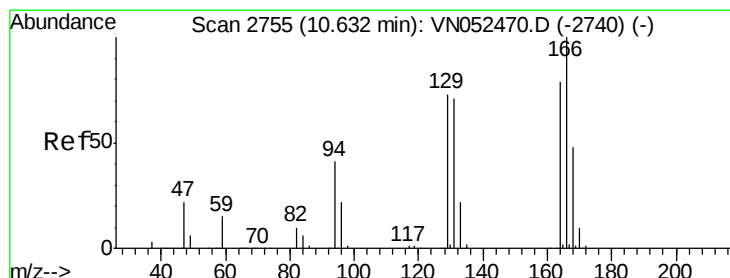
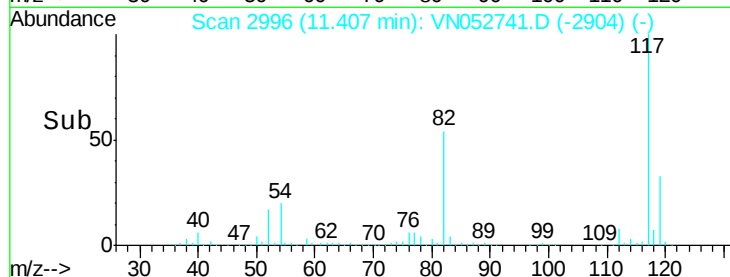
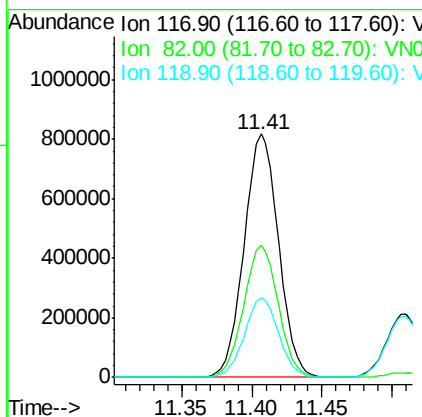
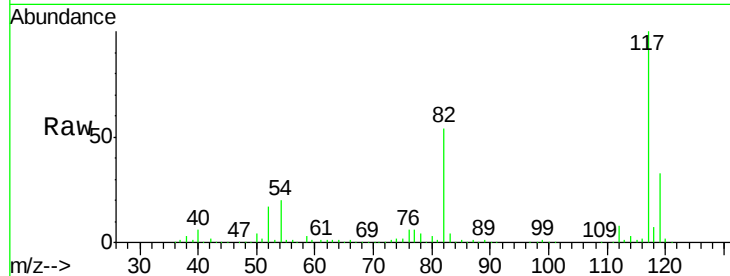
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1397578
Ion Ratio Lower Upper
117 100
82 54.2 43.6 65.4
119 32.7 25.4 38.2

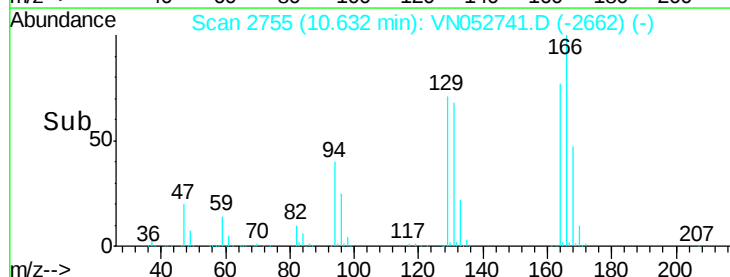
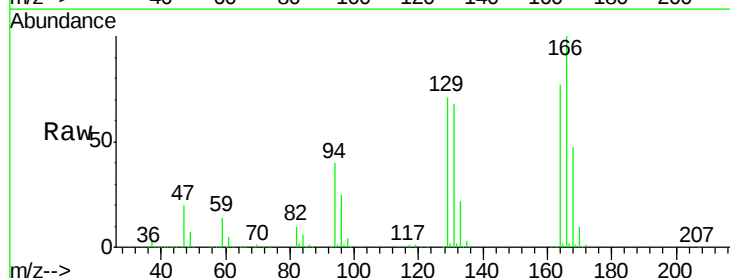
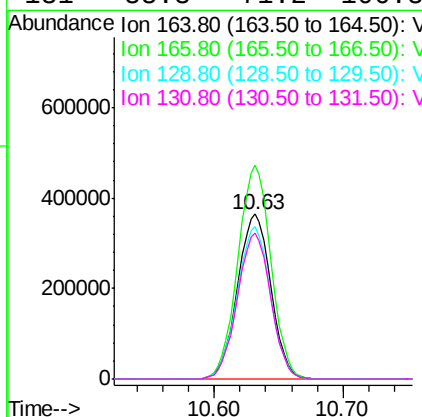
Manual Integrations
APPROVED

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#64
Tetrachloroethene
Concen: 60.648 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Tgt Ion:164 Resp: 657171
Ion Ratio Lower Upper
164 100
166 129.7 101.0 151.4
129 92.2 73.8 110.6
131 88.3 71.2 106.8





#65

Chlorobenzene

Concen: 51.965 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 1497515

Ion Ratio Lower Upper

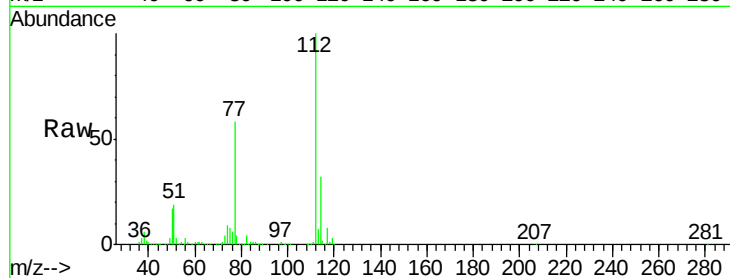
112 100

114 31.9 25.8 38.6

Manual Integrations
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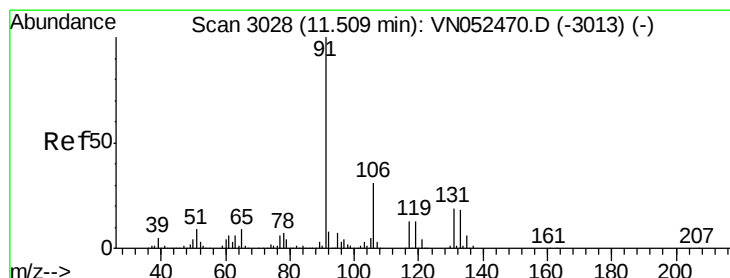
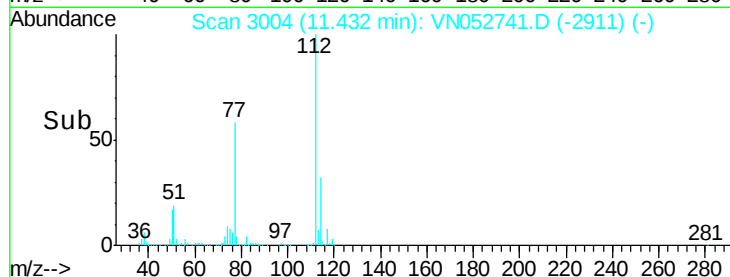
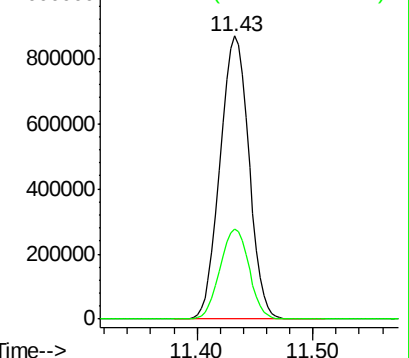
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.969 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

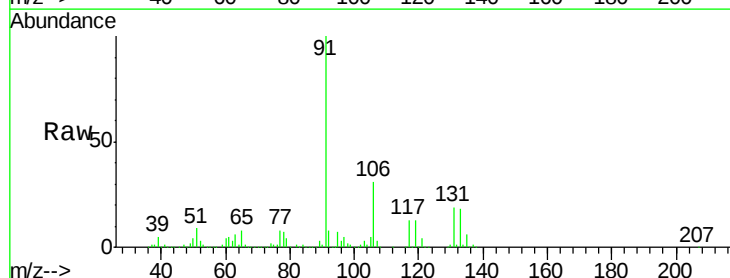
Tgt Ion:131 Resp: 530760

Ion Ratio Lower Upper

131 100

133 96.5 47.6 142.8

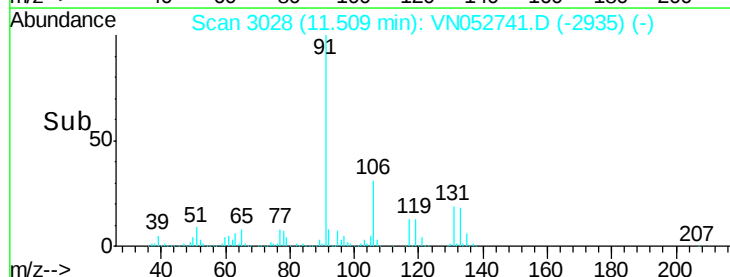
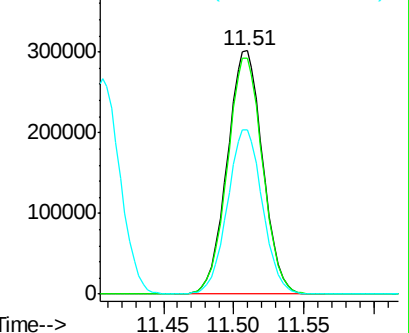
119 66.7 33.2 99.6

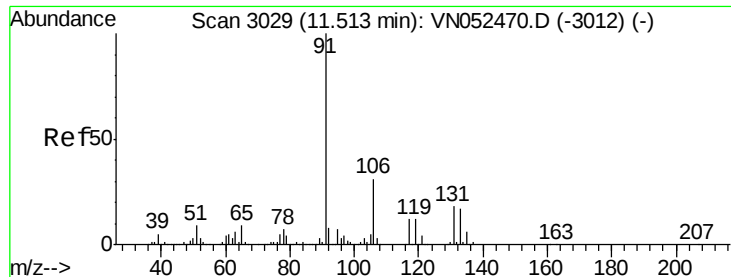


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





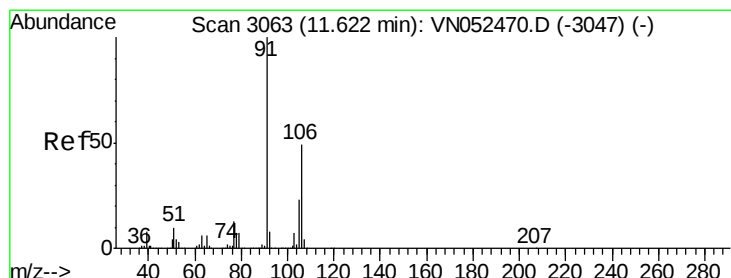
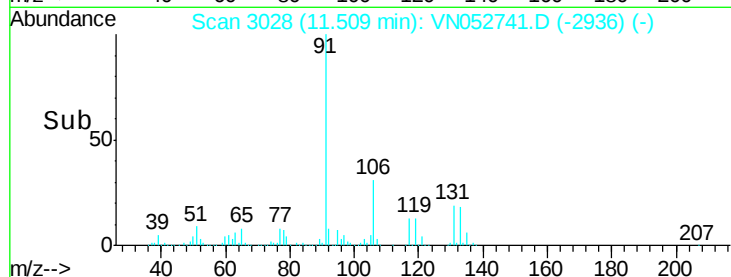
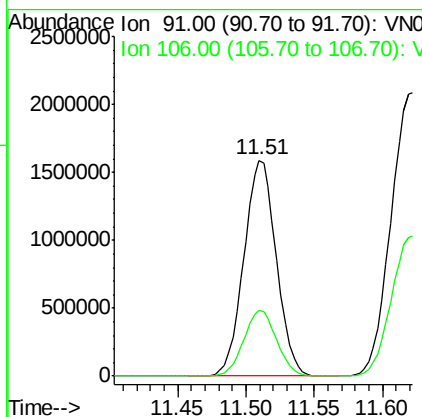
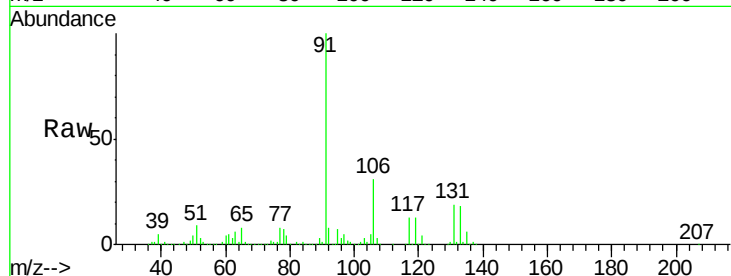
#67
Ethyl Benzene
Concen: 51.885 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2618400
Ion Ratio Lower Upper
91 100
106 30.6 24.9 37.3

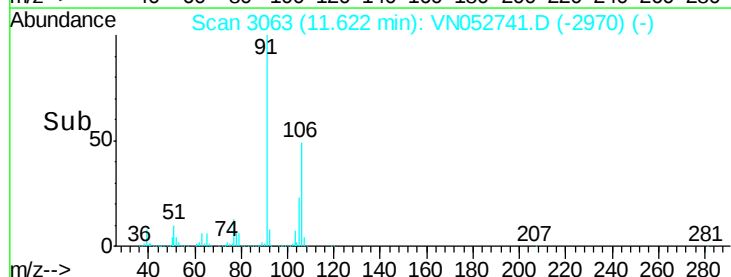
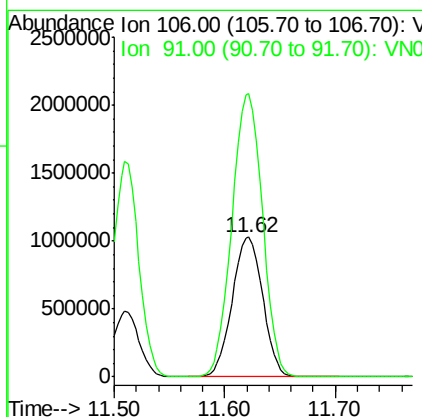
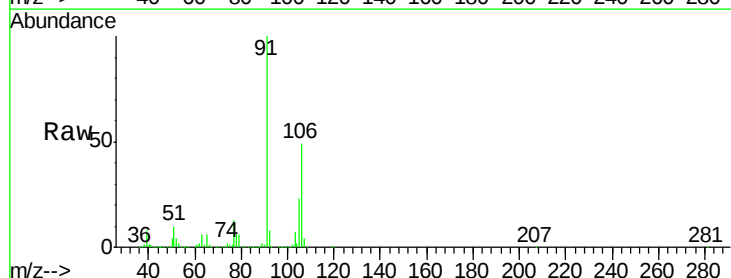
Manual Integrations
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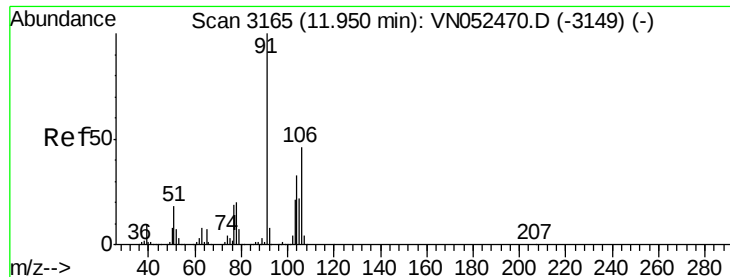
MMDadoda
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#68
m/p-Xylenes
Concen: 105.140 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Tgt Ion: 106 Resp: 1975254
Ion Ratio Lower Upper
106 100
91 203.4 163.2 244.8





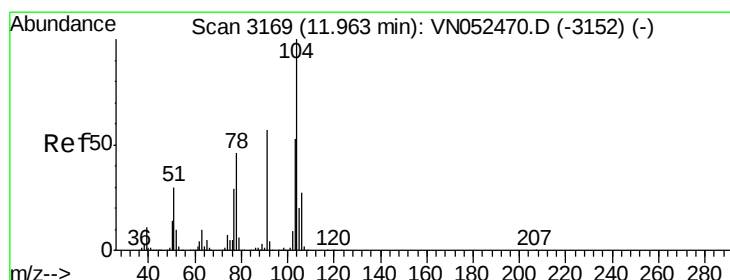
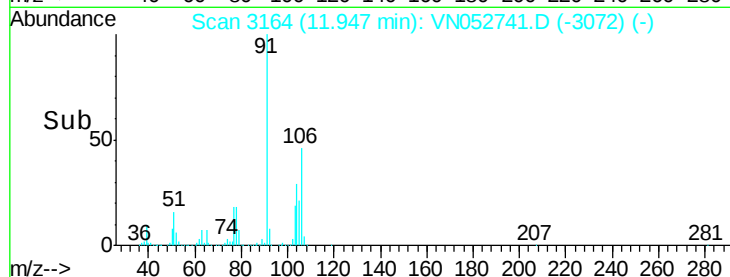
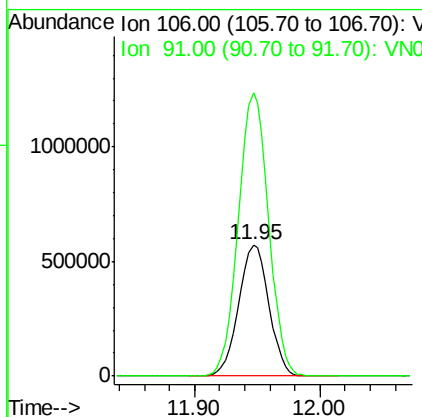
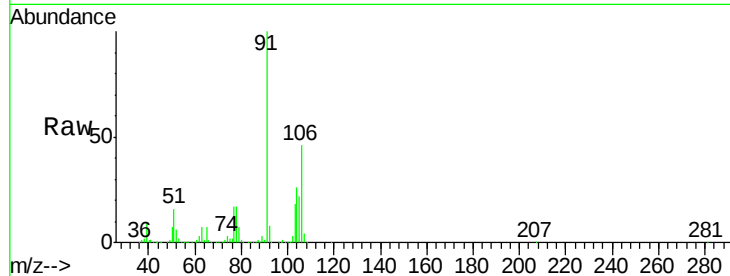
#69
o-Xylene
Concen: 52.316 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.3	107.7	323.1	

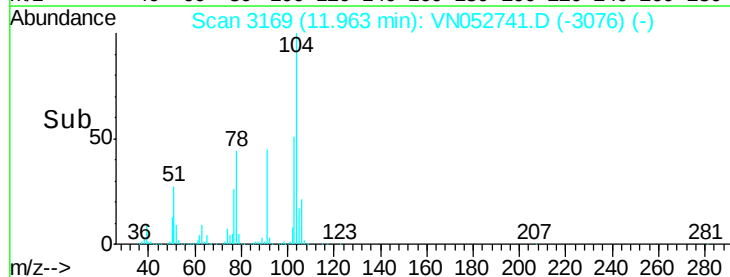
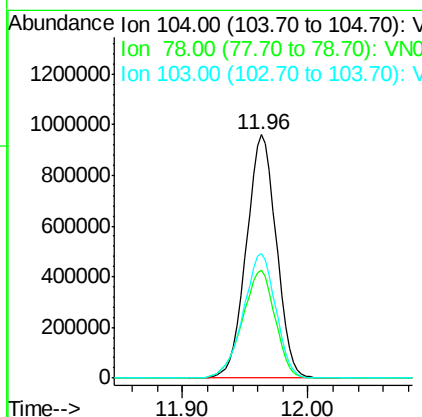
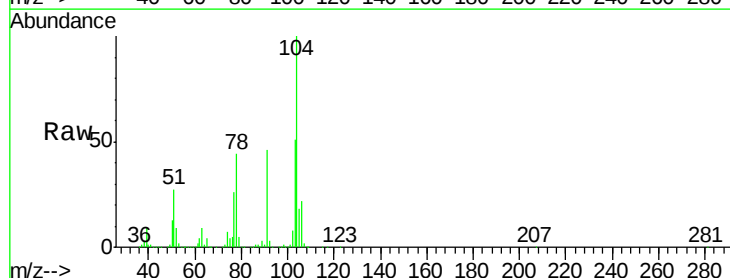
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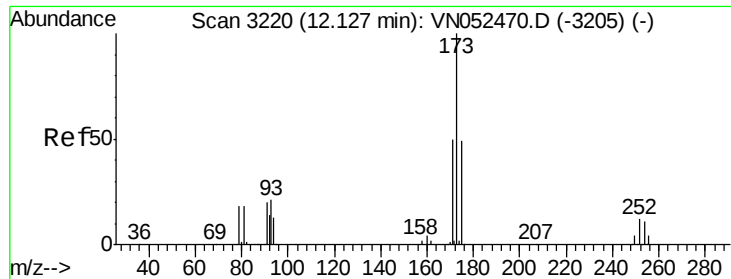
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#70
Styrene
Concen: 54.923 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.5	39.4	59.2	
103	55.3	44.9	67.3	





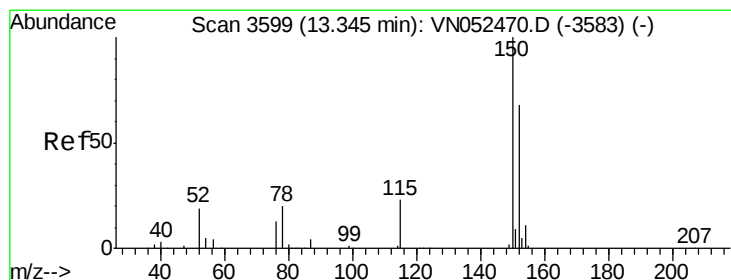
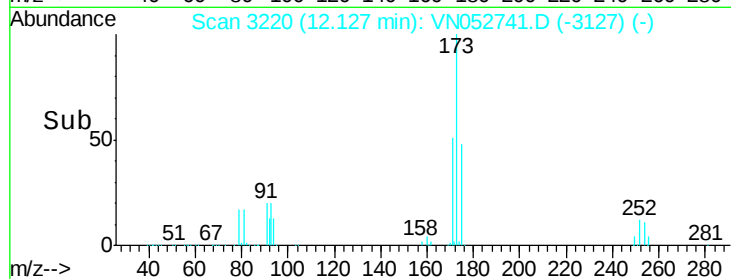
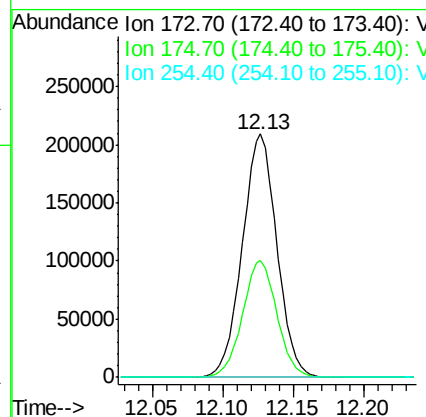
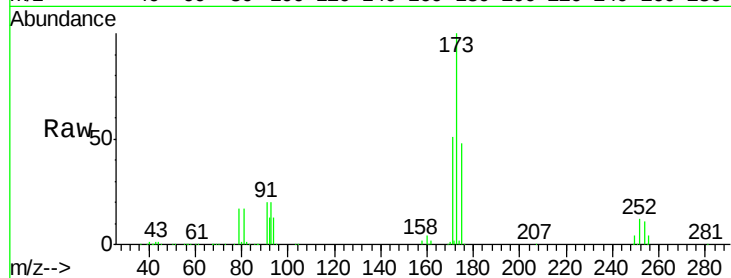
#71
Bromoform
Concen: 54.098 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.4	73.2
254	0.1	0.1	0.1

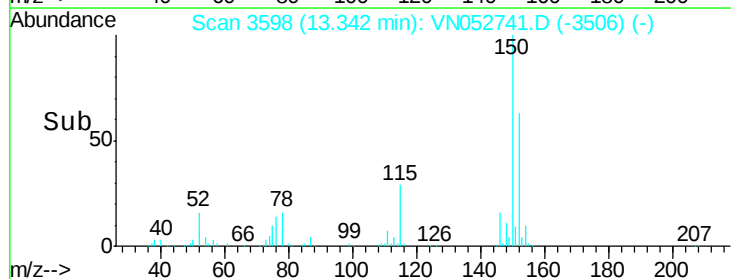
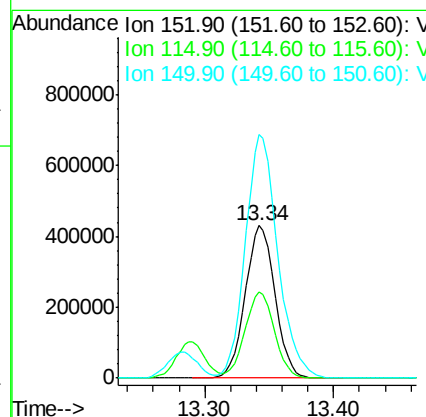
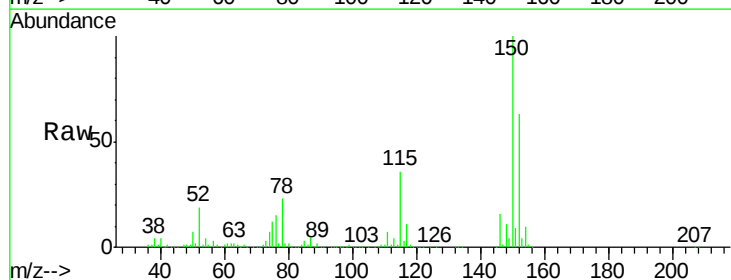
Manual Integrations
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12/11/2018 12:45:30 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.4	85.2
150	174.3	0.0	346.0





#73

Isopropylbenzene

Concen: 47.910 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2587093

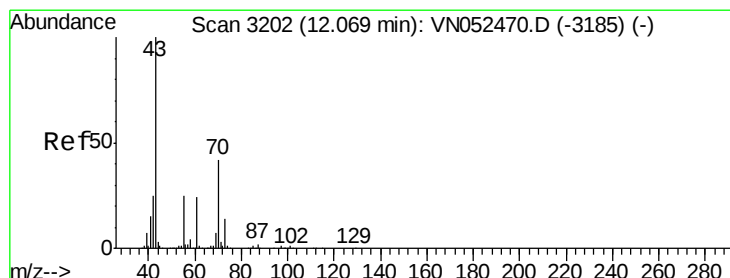
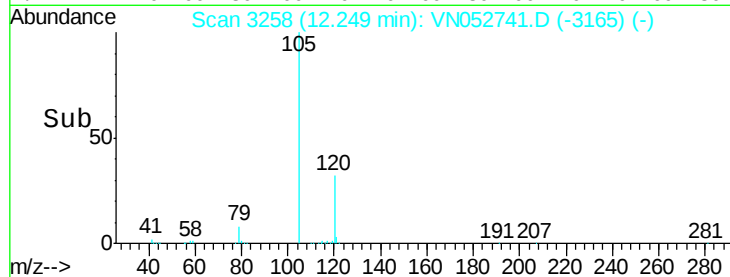
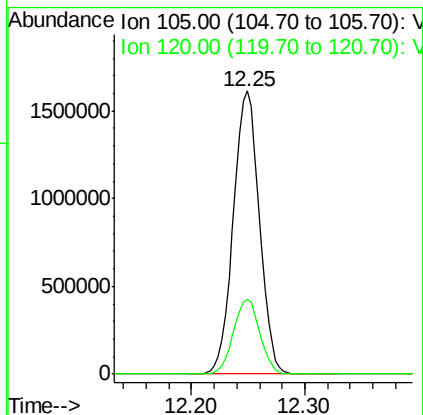
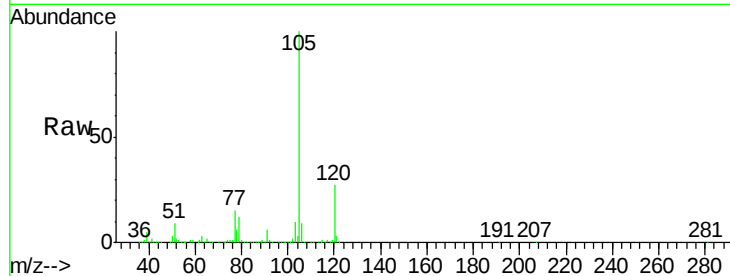
Ion Ratio Lower Upper

105 100

120 26.8 13.1 39.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 49.324 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Tgt Ion: 43 Resp: 672896

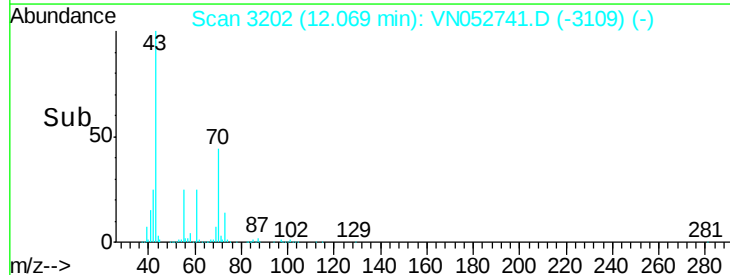
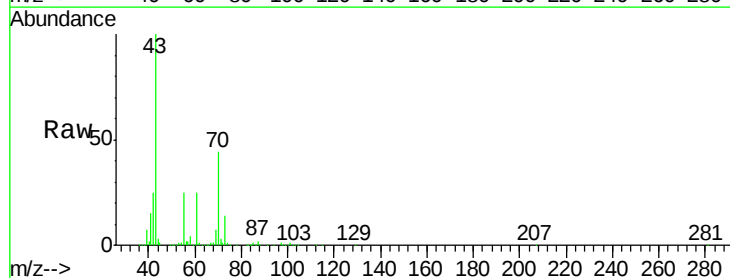
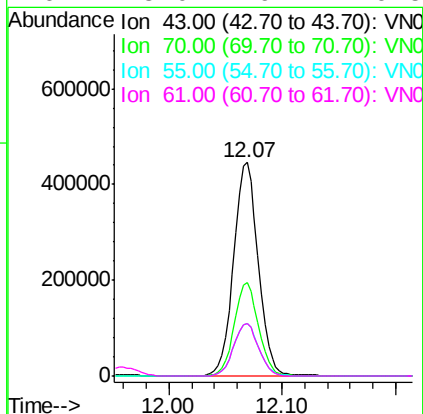
Ion Ratio Lower Upper

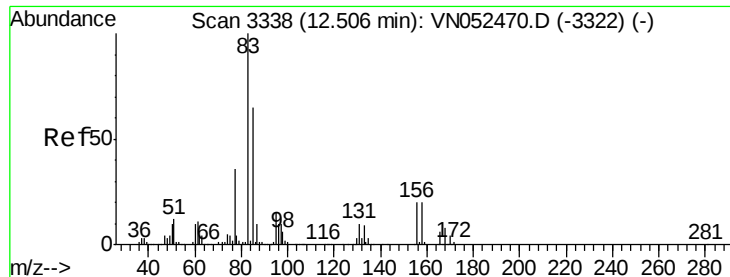
43 100

70 43.4 33.8 50.8

55 25.1 20.0 30.0

61 25.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 41.691 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Instrument :

MSVOA_N

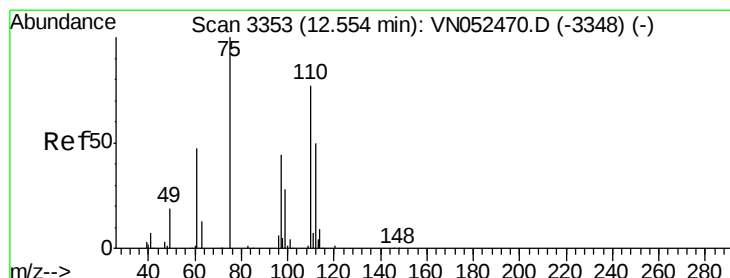
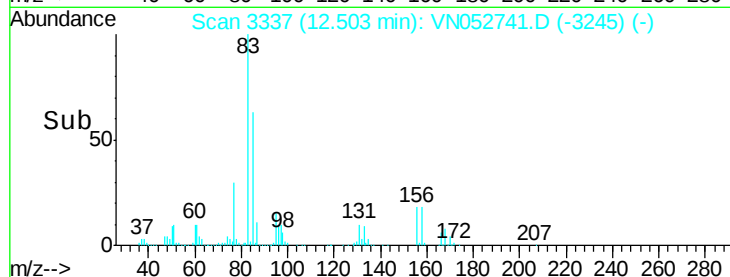
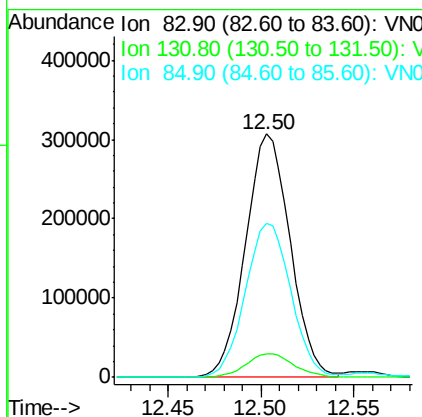
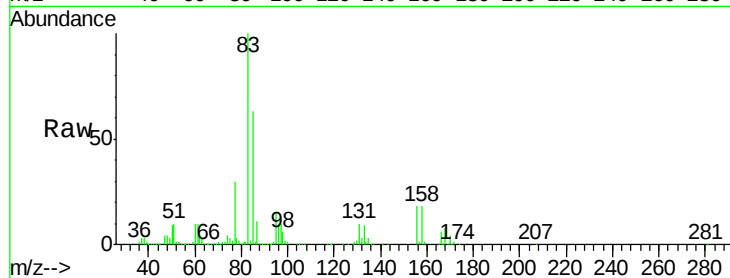
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	512122
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.0	15.0
85	64.5	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 42.554 ug/l m

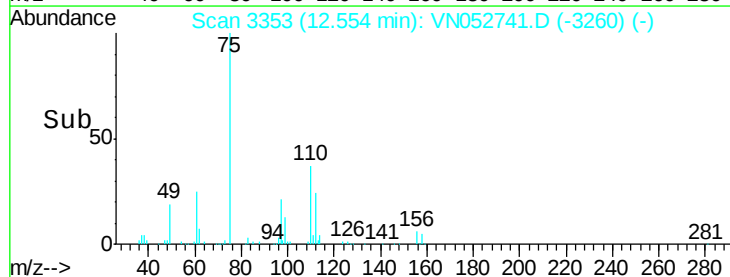
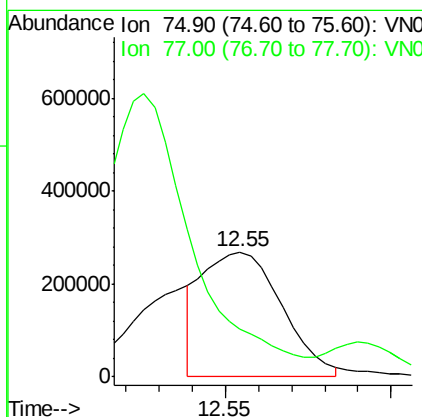
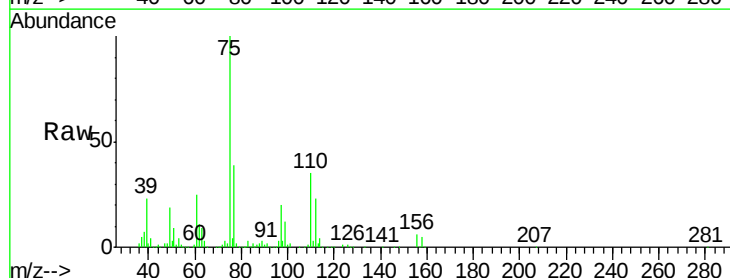
RT: 12.55 min Scan# 3353

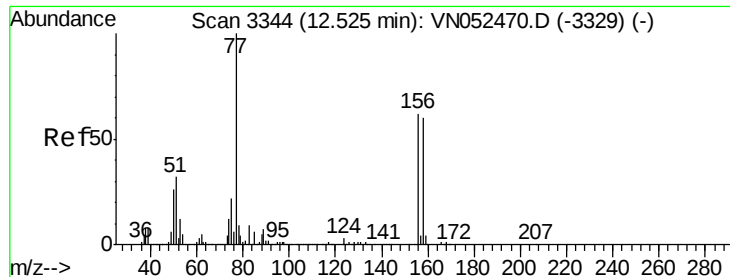
Delta R.T. 0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Tgt Ion:	75	Resp:	451646
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.192 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Instrument :

MSVOA_N

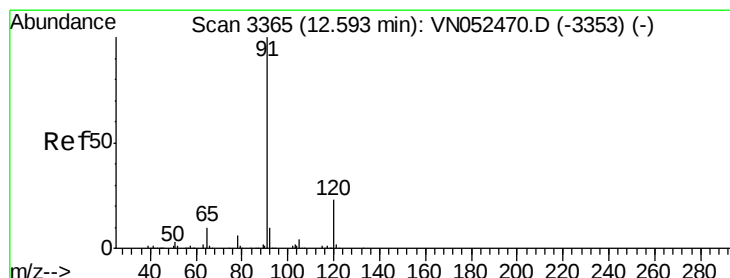
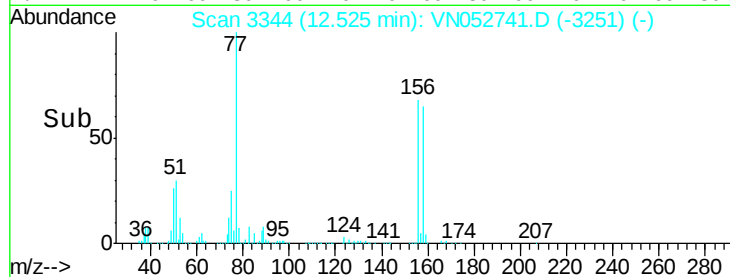
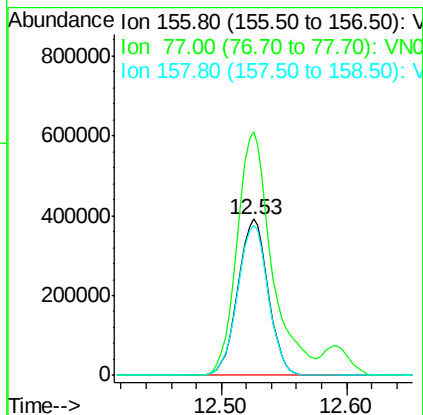
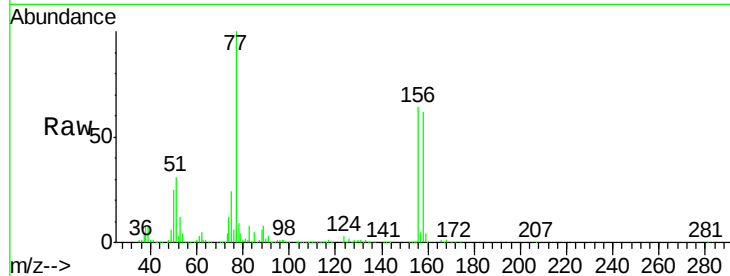
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	656574
Ion Ratio	Lower	Upper	
156	100		
77	178.9	93.5	280.4
158	96.8	48.3	144.9

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#78

n-propylbenzene

Concen: 49.445 ug/l

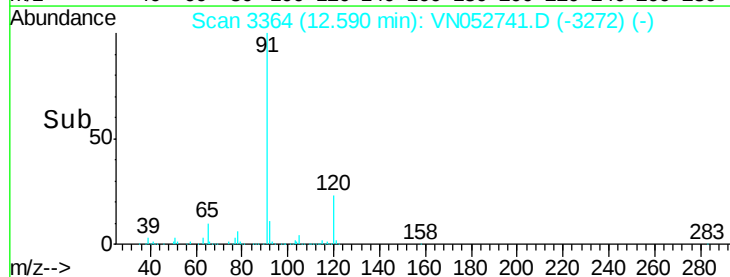
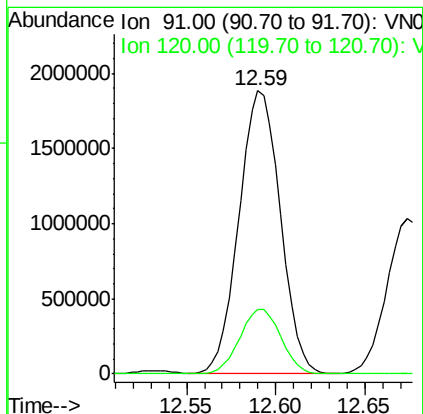
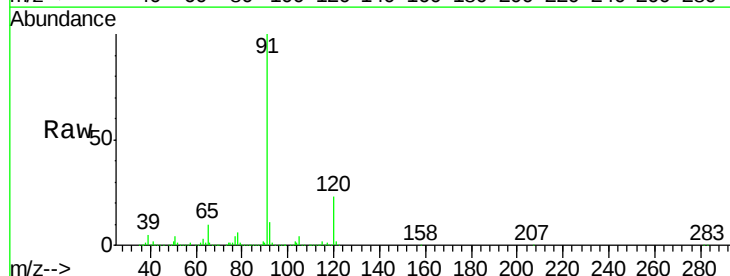
RT: 12.59 min Scan# 3364

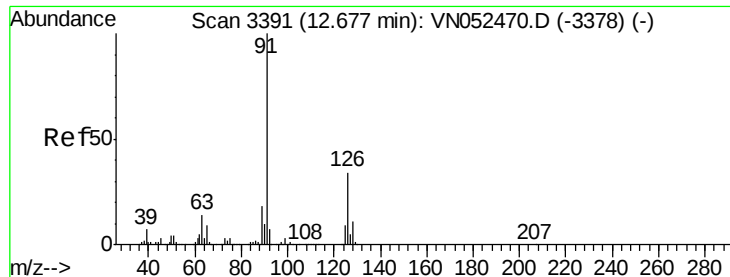
Delta R.T. -0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Tgt Ion:	91	Resp:	3033195
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.3	33.9





#79

2-Chlorotoluene

Concen: 47.712 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1742988

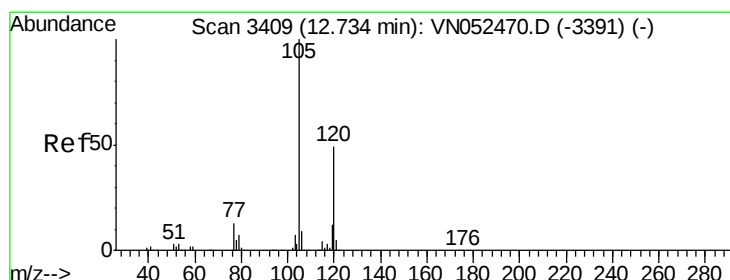
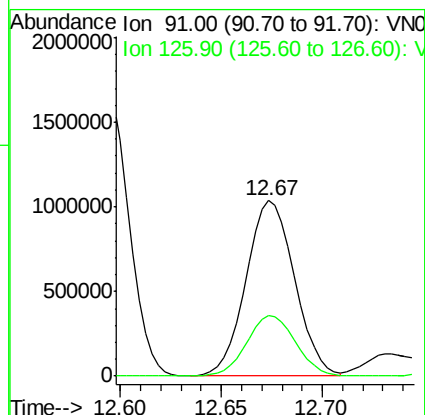
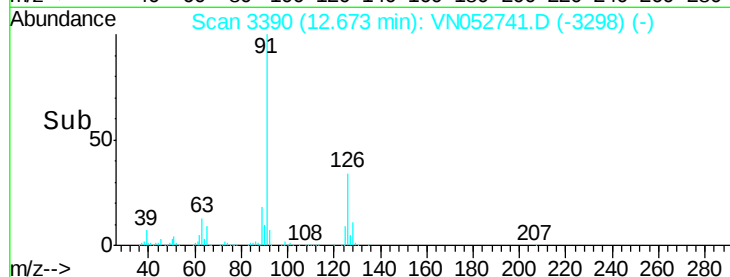
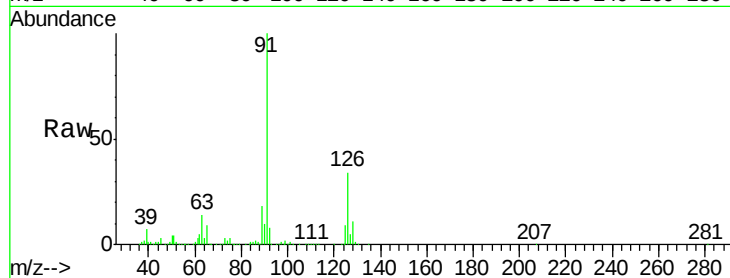
Ion Ratio Lower Upper

91 100

126 34.7 17.2 51.6

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#80

1,3,5-Trimethylbenzene

Concen: 49.233 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052741.D

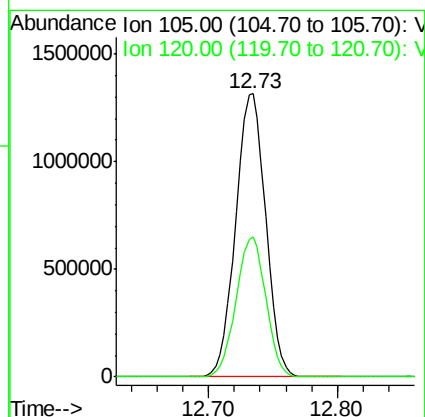
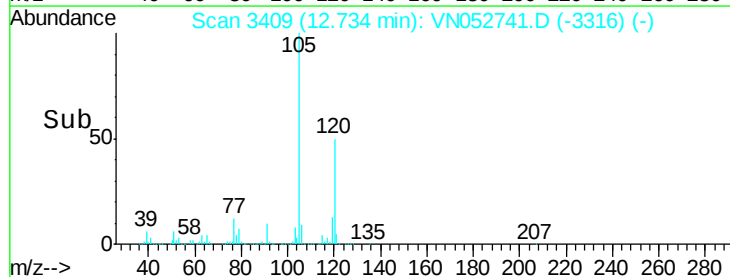
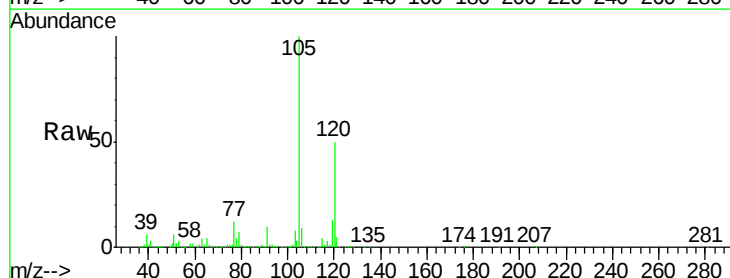
Acq: 10 Dec 2018 9:16

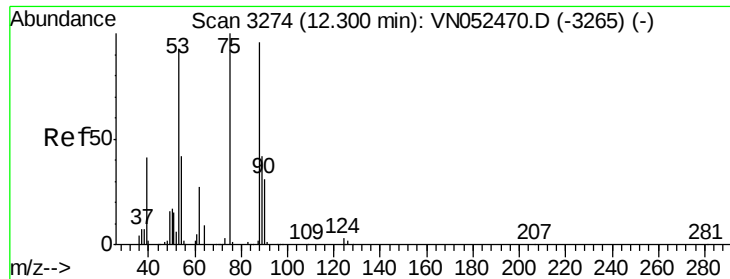
Tgt Ion: 105 Resp: 2120287

Ion Ratio Lower Upper

105 100

120 49.1 24.3 73.0





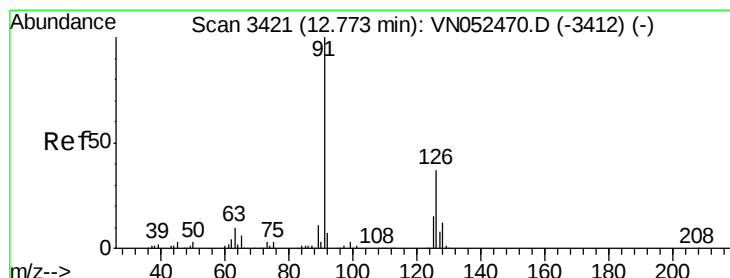
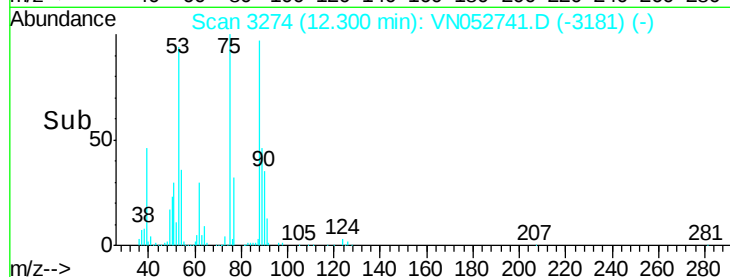
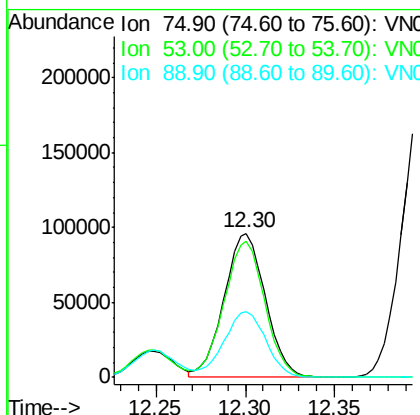
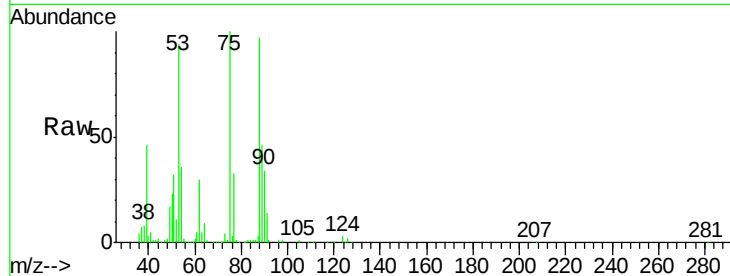
#81
trans-1,4-Dichloro-2-butene
Concen: 48.818 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.0	77.4	116.0
89	46.4	35.4	53.2

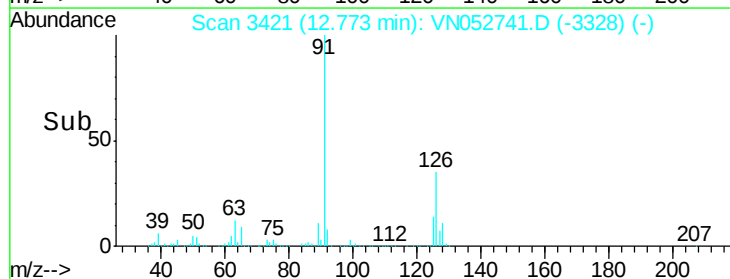
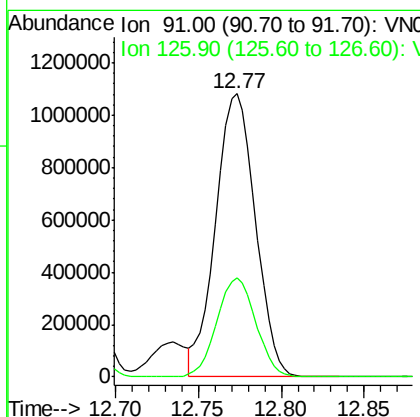
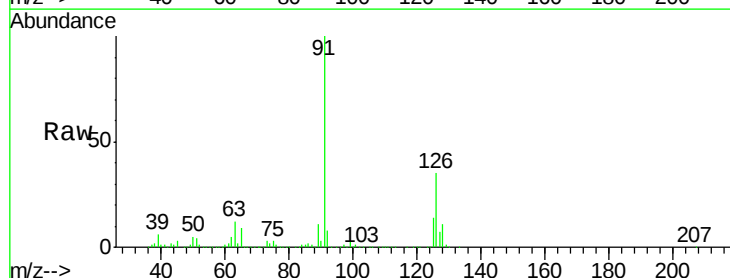
Manual Integrations
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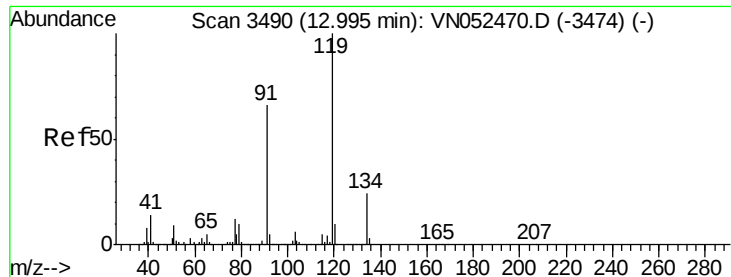
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.893 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.9	50.6





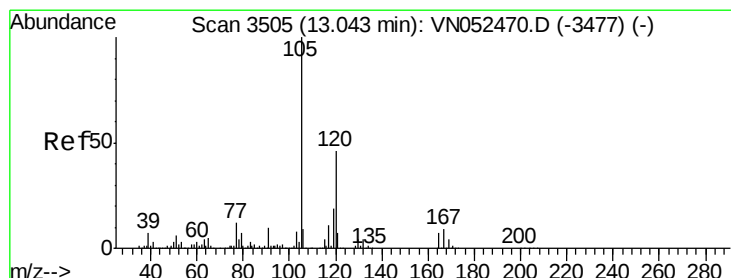
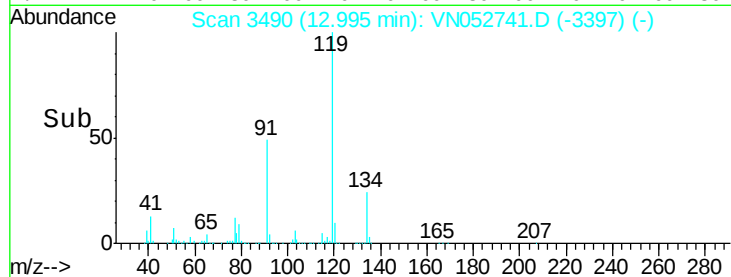
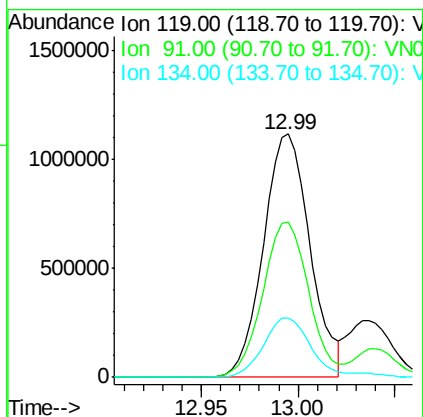
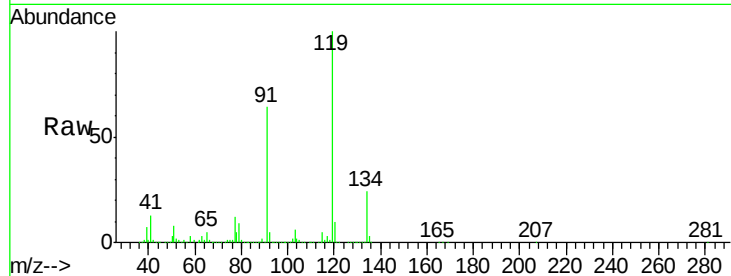
#83
 tert-Butylbenzene
 Concen: 48.699 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052741.D
 Acq: 10 Dec 2018 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	32.3	96.9
134	25.5	13.0	38.9

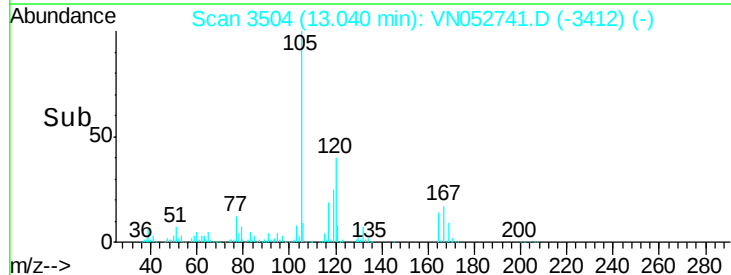
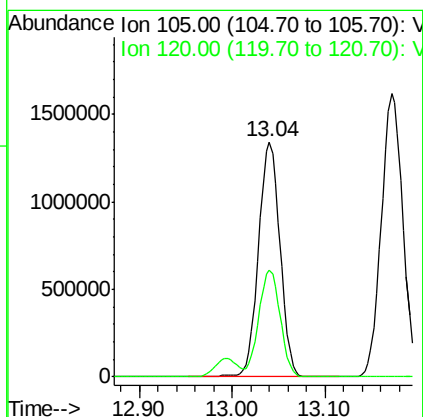
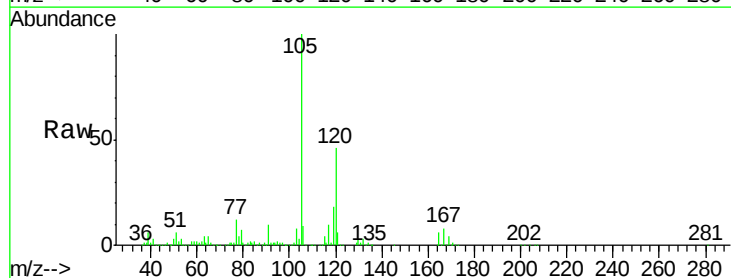
Manual Integrations
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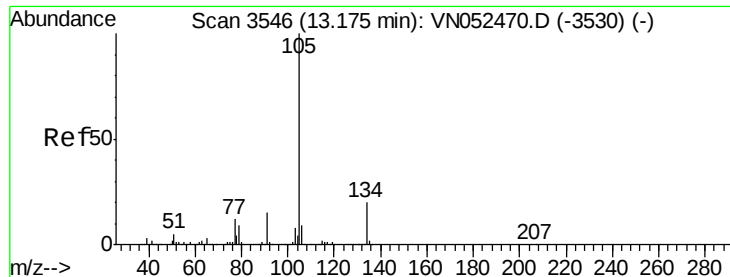
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.954 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052741.D
 Acq: 10 Dec 2018 9:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.8	68.4





#85

sec-Butylbenzene

Concen: 49.506 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2588829

Ion Ratio Lower Upper

105 100

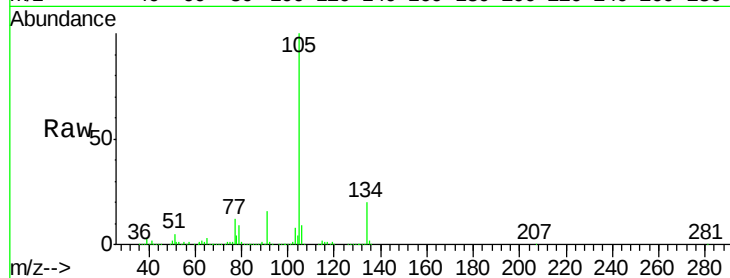
134 20.1 9.9 29.7

Manual Integrations

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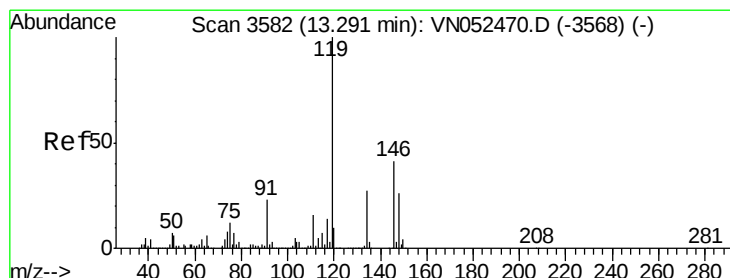
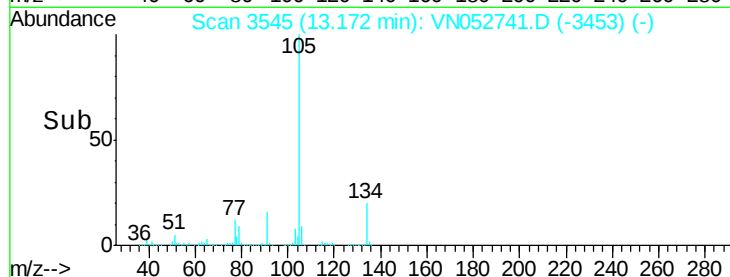
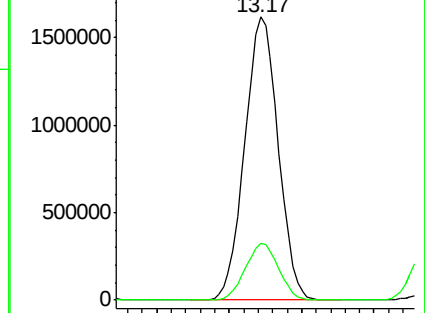
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.861 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

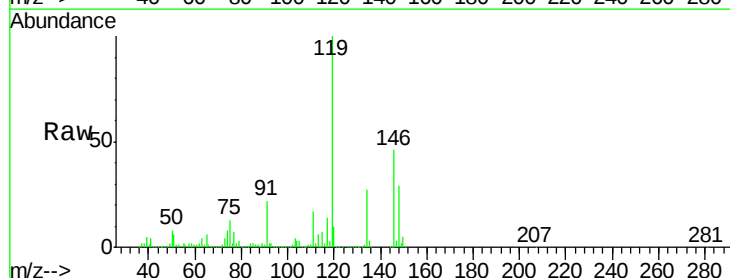
Tgt Ion:119 Resp: 2265372

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

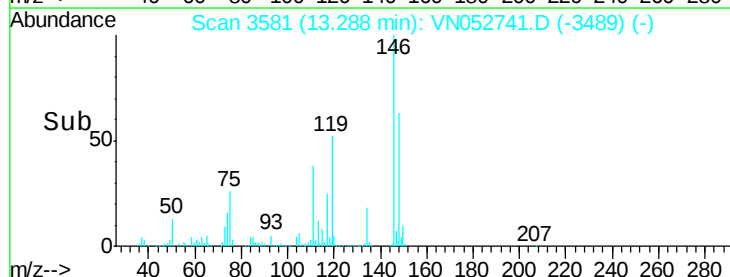
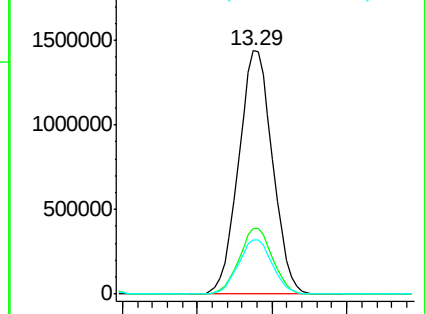
91 22.3 11.4 34.2

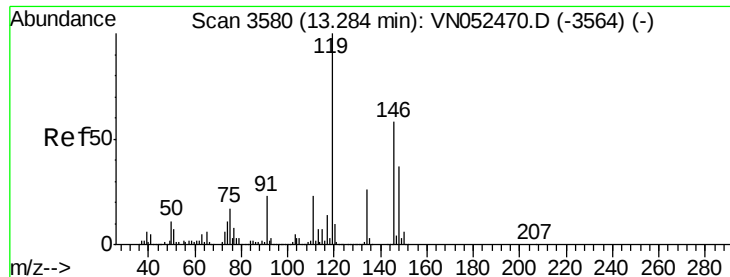


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.892 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN052741.D

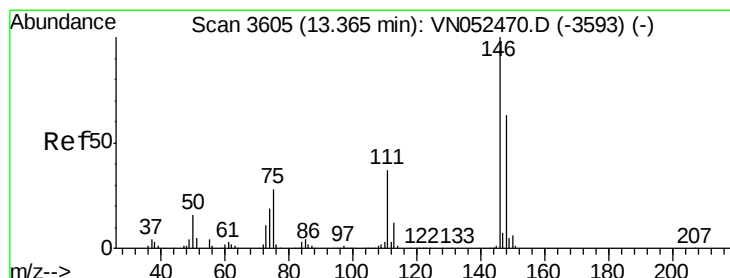
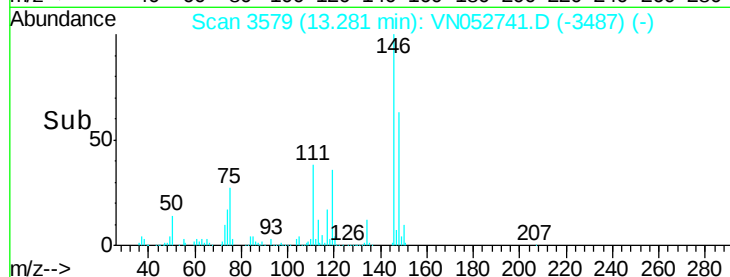
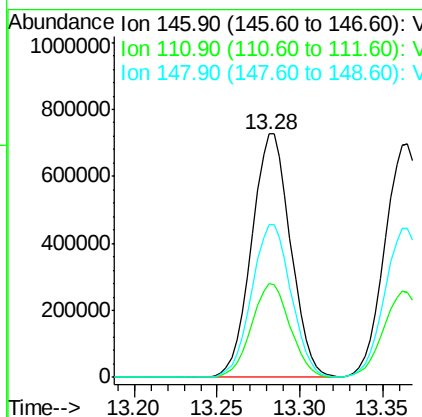
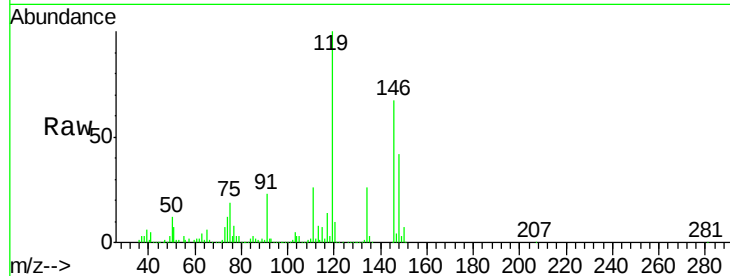
Acq: 10 Dec 2018 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.4
148	63.5	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.145 ug/l

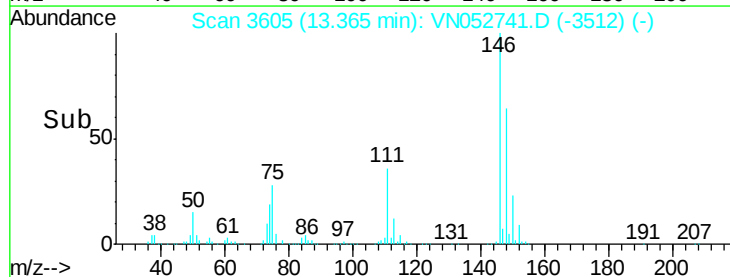
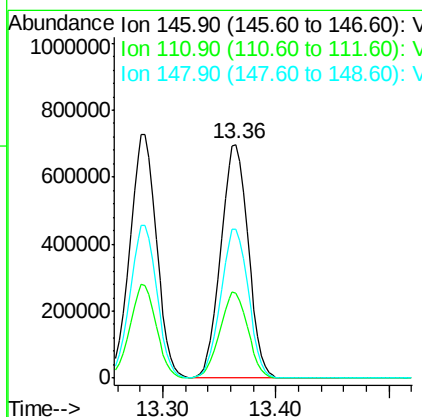
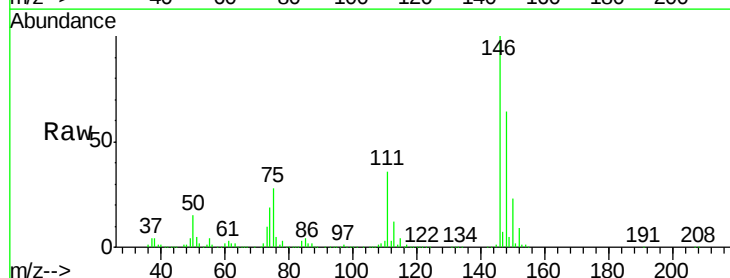
RT: 13.36 min Scan# 3605

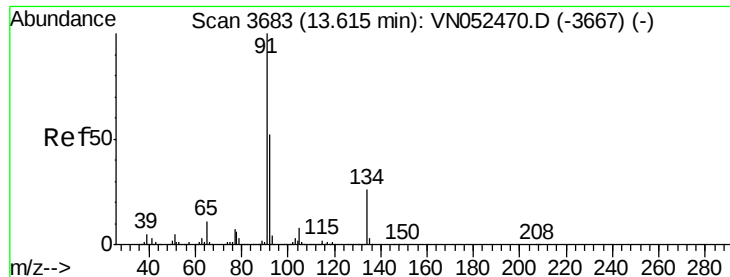
Delta R.T. 0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	56.0
148	64.2	31.9	95.9





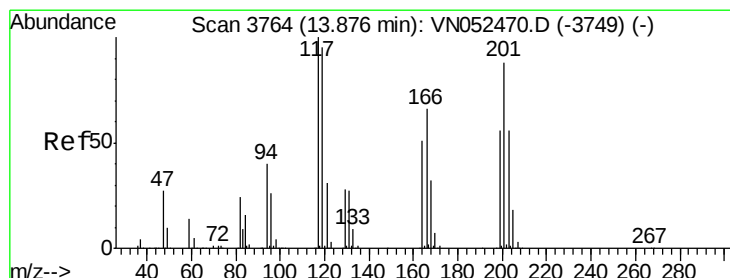
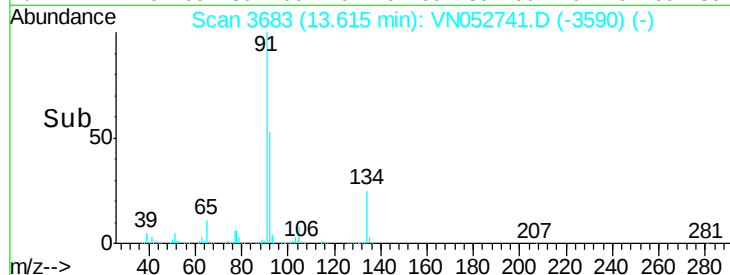
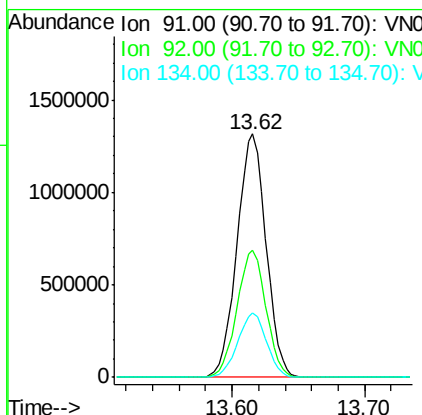
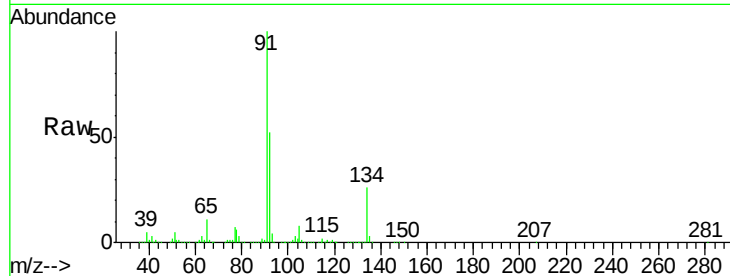
#89
n-Butylbenzene
Concen: 53.891 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.3
134	26.3	13.0	38.9

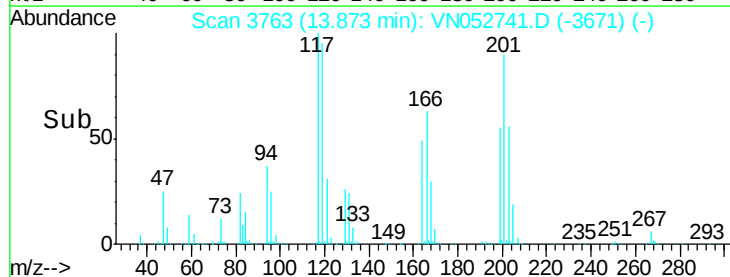
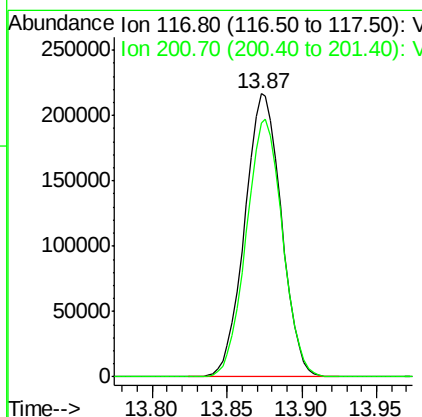
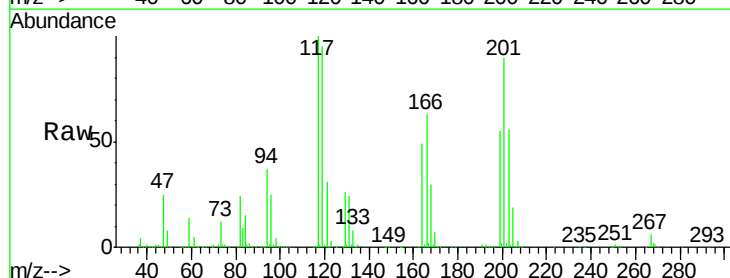
Manual Integrations
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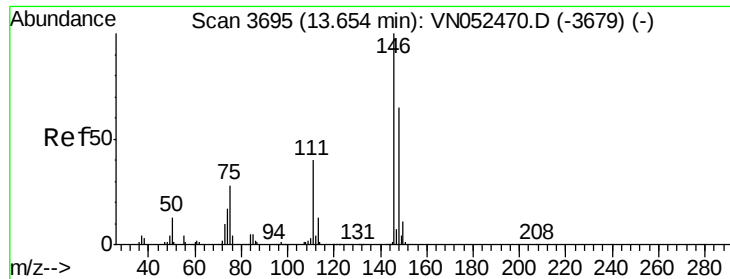
MMDadoda
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#90
Hexachloroethane
Concen: 48.928 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052741.D
Acq: 10 Dec 2018 9:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.2	43.6	130.9





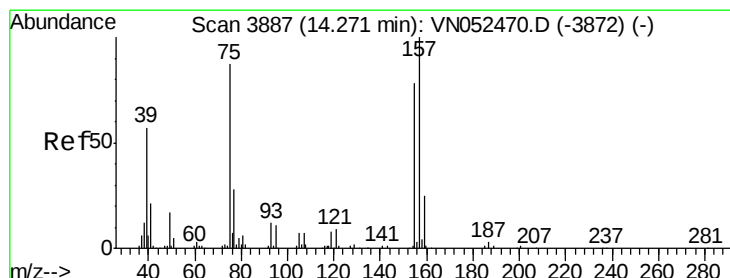
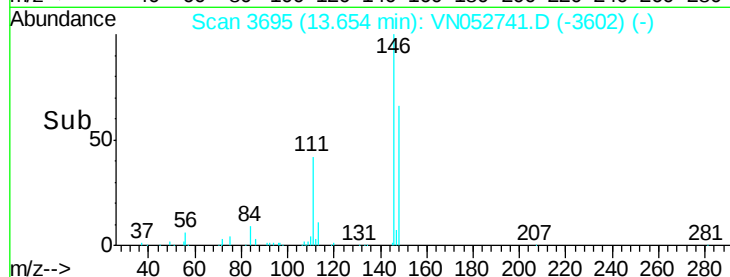
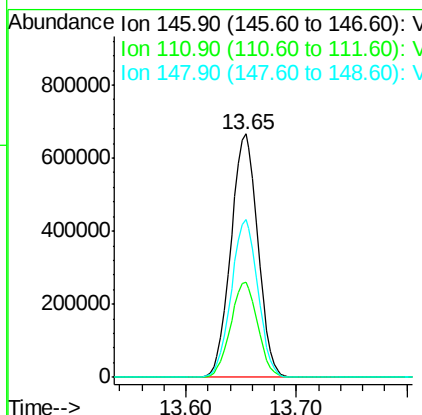
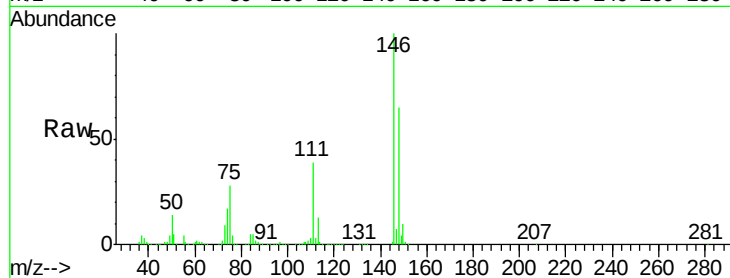
#91
 1,2-Dichlorobenzene
 Concen: 50.575 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052741.D
 Acq: 10 Dec 2018 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.0	60.0
148	64.0	32.0	96.2

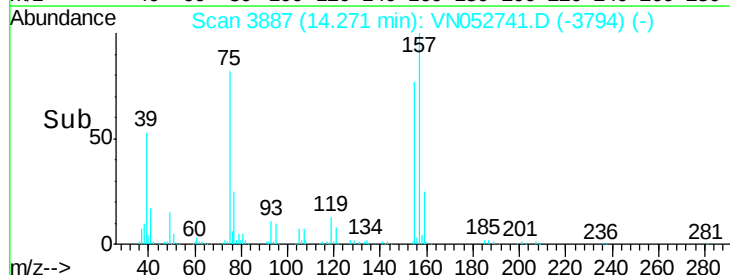
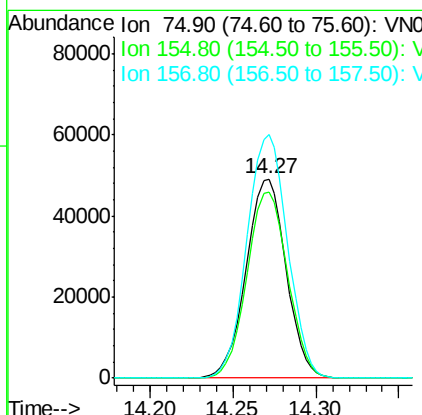
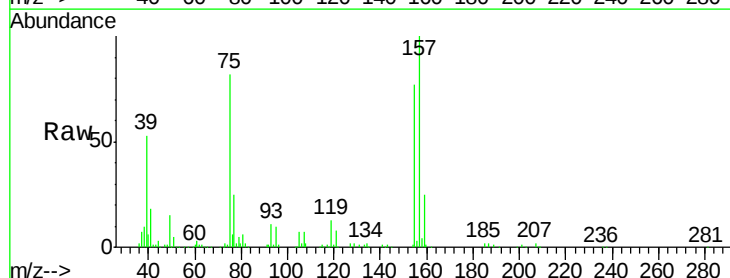
Manual Integrations
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 12/11/2018 12:45:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.910 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052741.D
 Acq: 10 Dec 2018 9:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.0	45.3	135.9
157	124.1	58.1	174.2





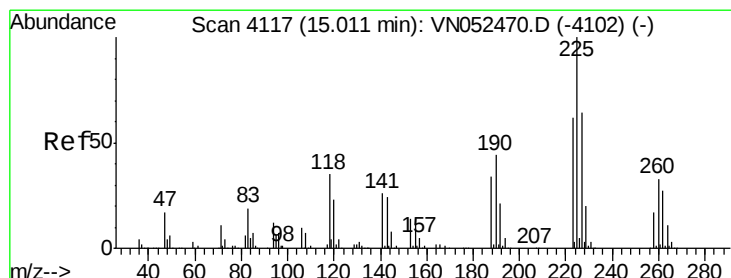
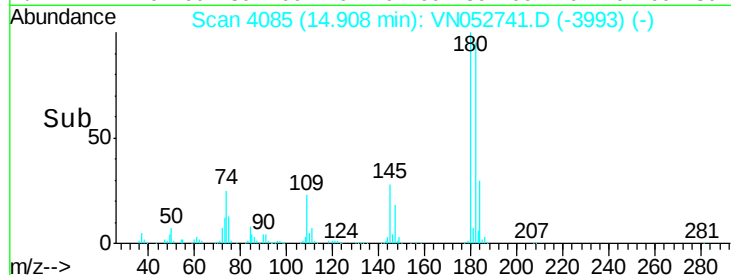
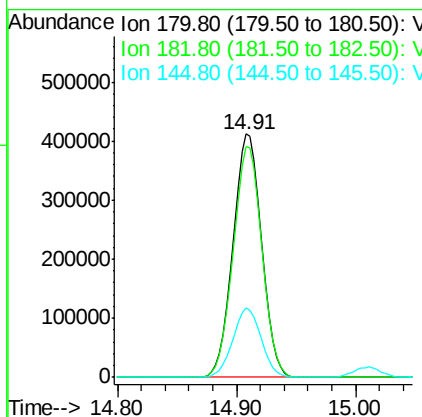
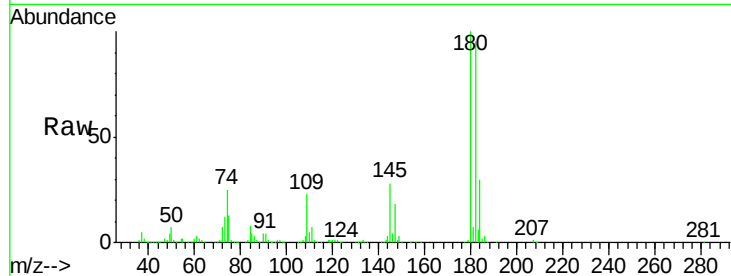
#93
 1,2,4-Trichlorobenzene
 Concen: 55.523 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052741.D
 Acq: 10 Dec 2018 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.4	47.8	143.4
145	28.3	14.1	42.3

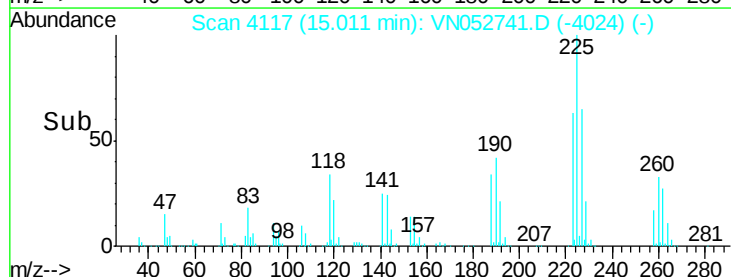
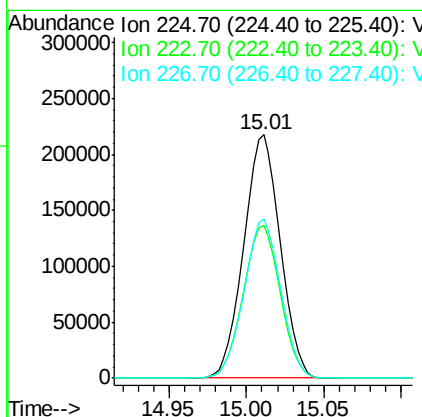
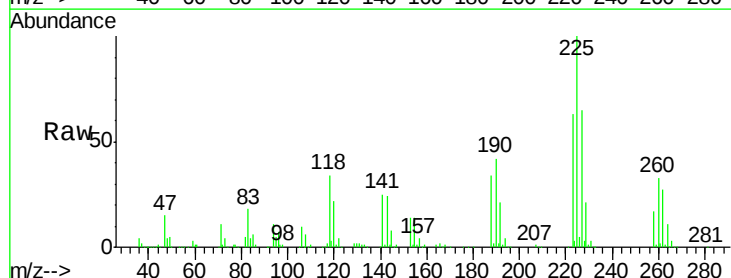
Manual Integrations
 APPROVED

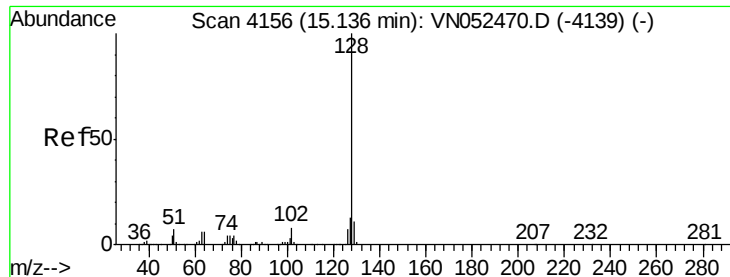
MMDadoda
 12/11/2018 12:45:30 PM



#94
 Hexachlorobutadiene
 Concen: 49.888 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052741.D
 Acq: 10 Dec 2018 9:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	63.5	31.4	94.2
227	65.4	32.5	97.4





#95

Naphthalene

Concen: 51.750 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1344352

Ion Ratio Lower Upper

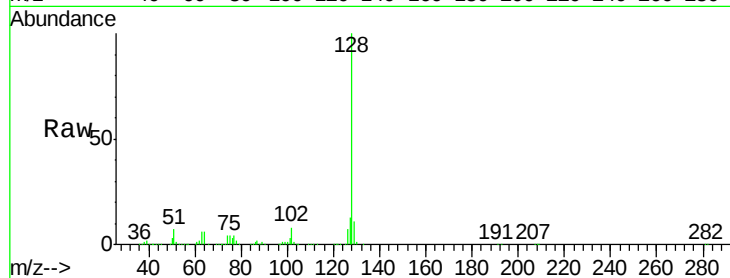
128 100

127 12.8 10.2 15.2

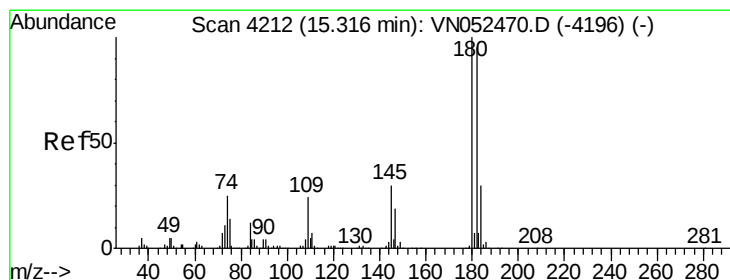
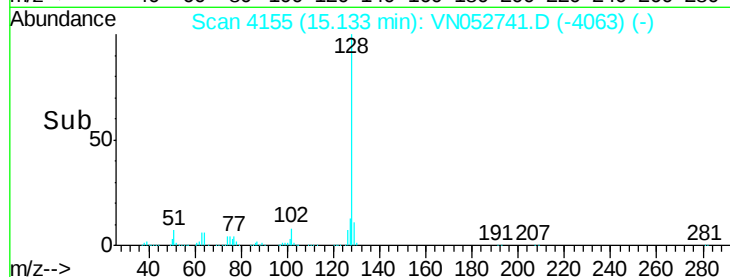
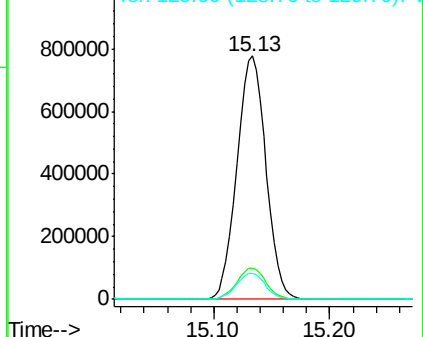
129 10.8 8.7 13.1

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:45:30 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.666 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052741.D

Acq: 10 Dec 2018 9:16

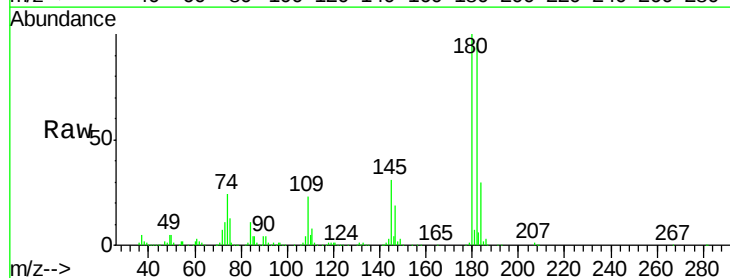
Tgt Ion:180 Resp: 605296

Ion Ratio Lower Upper

180 100

182 95.3 47.8 143.3

145 30.2 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

