

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120718\
 Data File : VN052717.D
 Acq On : 7 Dec 2018 10:47
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/10/2018 12:50:31 PM

Quant Time: Dec 07 12:58:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	946697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1429886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1270483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	599725	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	511654	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
35) Dibromofluoromethane	7.59	113	464215	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
50) Toluene-d8	10.09	98	1772794	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
62) 4-Bromofluorobenzene	12.40	95	619602	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	382010	43.096	ug/l	99
3) Chloromethane	2.06	50	486055	41.540	ug/l	99
4) Vinyl Chloride	2.19	62	519608	43.230	ug/l	99
5) Bromomethane	2.57	94	307786	41.040	ug/l	100
6) Chloroethane	2.71	64	317575	43.619	ug/l	98
7) Trichlorofluoromethane	3.02	101	695179	47.085	ug/l	100
8) Diethyl Ether	3.41	74	264731	48.554	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	454304	49.312	ug/l	98
10) Methyl Iodide	3.96	142	633651	51.641	ug/l	100
11) Tert butyl alcohol	4.78	59	120835	234.159	ug/l	99
12) 1,1-Dichloroethene	3.74	96	410213	46.257	ug/l	100
13) Acrolein	3.61	56	113101	126.105	ug/l	97
14) Allyl chloride	4.33	41	730160	47.772	ug/l	99
15) Acrylonitrile	4.99	53	782565	239.567	ug/l	99
16) Acetone	3.82	43	724436	266.456	ug/l	99
17) Carbon Disulfide	4.06	76	1115869	39.985	ug/l	100
18) Methyl Acetate	4.32	43	398087	51.045	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1163453	49.310	ug/l	99
20) Methylene Chloride	4.55	84	481540	45.260	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	444922	46.976	ug/l	98
22) Diisopropyl ether	5.95	45	1558537	48.545	ug/l	99
23) Vinyl Acetate	5.90	43	4831396	241.611	ug/l	99
24) 1,1-Dichloroethane	5.85	63	885982	48.333	ug/l	99
25) 2-Butanone	6.83	43	957584	248.491	ug/l	98
26) 2,2-Dichloropropane	6.82	77	659750	51.998	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	529109	47.958	ug/l	99
28) Bromochloromethane	7.19	49	409213	48.876	ug/l	98
29) Tetrahydrofuran	7.21	42	577803	232.465	ug/l	99
30) Chloroform	7.37	83	878654	48.044	ug/l	99
31) Cyclohexane	7.65	56	796644	44.863	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	713003	49.206	ug/l	99
36) 1,1-Dichloropropene	7.79	75	659016	48.806	ug/l	98
37) Ethyl Acetate	6.93	43	397453	48.231	ug/l	100
38) Carbon Tetrachloride	7.77	117	626974	51.292	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	806013	49.111	ug/l	98
40) Benzene	8.04	78	1995816	49.597	ug/l	100
41) Methacrylonitrile	7.18	41	232732	51.658	ug/l	96
42) 1,2-Dichloroethane	8.12	62	611035	50.149	ug/l	100
43) Isopropyl Acetate	8.16	43	706892	50.689	ug/l #	89
44) Trichloroethene	8.83	130	521042	50.549	ug/l	100
45) 1,2-Dichloropropane	9.12	63	543026	50.757	ug/l	98
46) Dibromomethane	9.21	93	299862	50.630	ug/l	99
47) Bromodichloromethane	9.40	83	664764	51.625	ug/l	98
48) Methyl methacrylate	9.20	41	365125	50.212	ug/l	99
49) 1,4-Dioxane	9.20	88	70998	940.774	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1989301	254.240	ug/l	100
52) Toluene	10.16	92	1213685	50.763	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	667935	53.919	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	779226	52.491	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	435342	51.765	ug/l	98
56) Ethyl methacrylate	10.43	69	553031	47.498	ug/l	99
57) 1,3-Dichloropropane	10.71	76	748417	50.399	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1595033	261.372	ug/l	99
59) 2-Hexanone	10.75	43	1396084	265.848	ug/l	99
60) Dibromochloromethane	10.90	129	487581	53.380	ug/l	99
61) 1,2-Dibromoethane	11.00	107	423546	50.706	ug/l	100
64) Tetrachloroethene	10.63	164	518394	52.627	ug/l	99
65) Chlorobenzene	11.43	112	1346962	51.416	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	479472	52.638	ug/l	99
67) Ethyl Benzene	11.51	91	2366925	51.594	ug/l	99
68) m/p-Xylenes	11.62	106	1783521	104.431	ug/l	100
69) o-Xylene	11.95	106	861501	51.946	ug/l	99
70) Styrene	11.96	104	1424538	53.928	ug/l	99
71) Bromoform	12.13	173	327544	54.308	ug/l	100
73) Isopropylbenzene	12.25	105	2354380	50.038	ug/l	100
74) N-amyl acetate	12.07	43	595596	50.104	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	515587	48.170	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	431387m	46.646	ug/l	
77) Bromobenzene	12.53	156	578444	49.737	ug/l	98
78) n-propylbenzene	12.59	91	2717353	50.836	ug/l	99
79) 2-Chlorotoluene	12.67	91	1572704	49.407	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1902970	50.711	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	145253	52.452	ug/l	99
82) 4-Chlorotoluene	12.77	91	1597613	49.799	ug/l	99
83) tert-Butylbenzene	12.99	119	1699905	50.813	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1919276	51.035	ug/l	99
85) sec-Butylbenzene	13.17	105	2338869	51.329	ug/l	100
86) p-Isopropyltoluene	13.29	119	2016787	51.965	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1043722	51.305	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1014020	50.604	ug/l	100
89) n-Butylbenzene	13.62	91	1736669	53.806	ug/l	100
90) Hexachloroethane	13.88	117	340474	51.812	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	990123	50.943	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	75331	49.210	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	529038	49.706	ug/l	100
94) Hexachlorobutadiene	15.01	225	323011	51.660	ug/l	99
95) Naphthalene	15.13	128	1044019	46.496	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	485486	49.615	ug/l	99

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

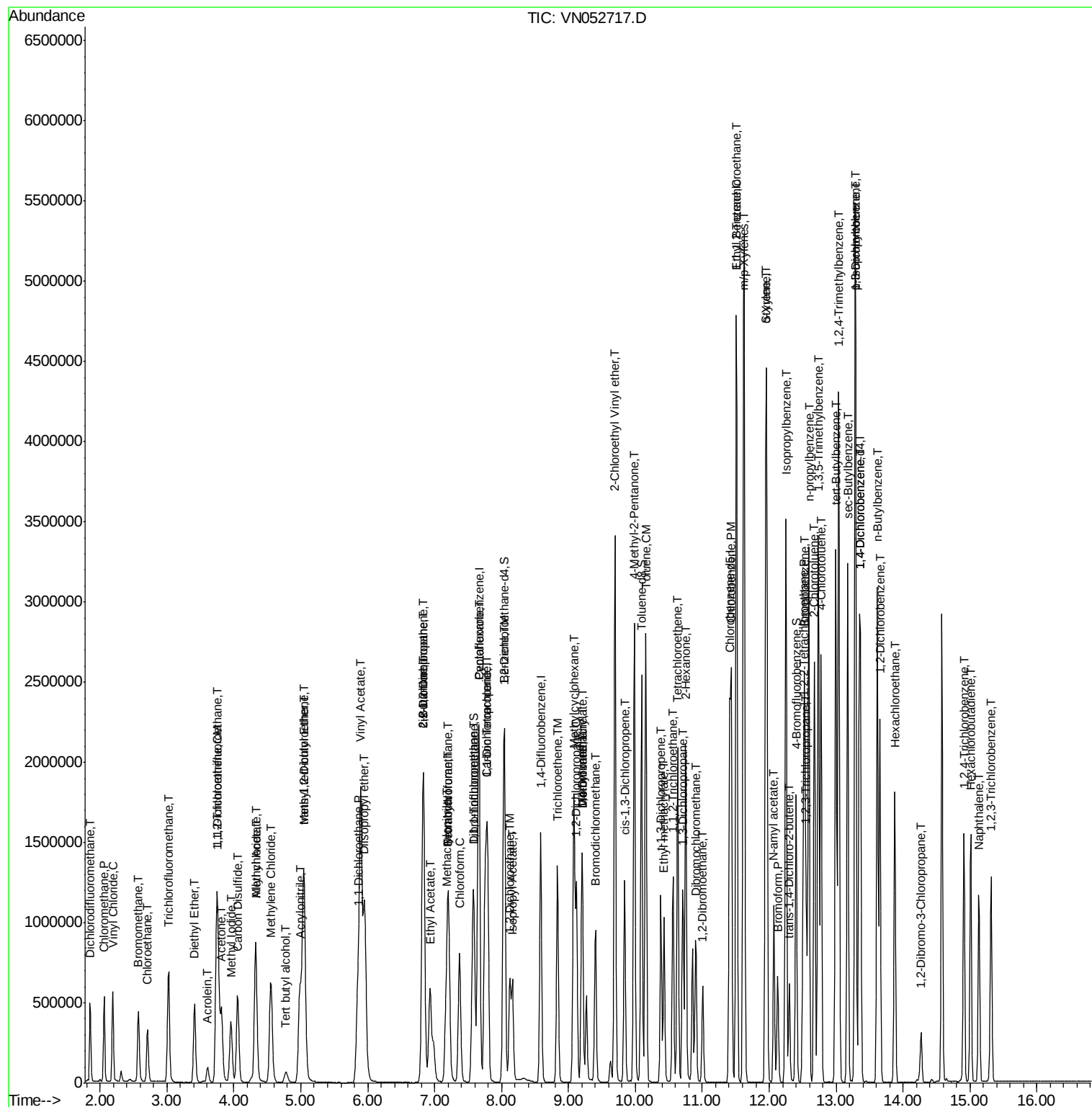
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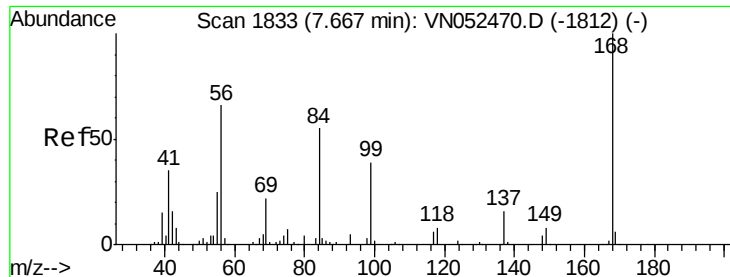
Instrument :
MSVOA_N
Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 946697

Ion Ratio Lower Upper

168 100

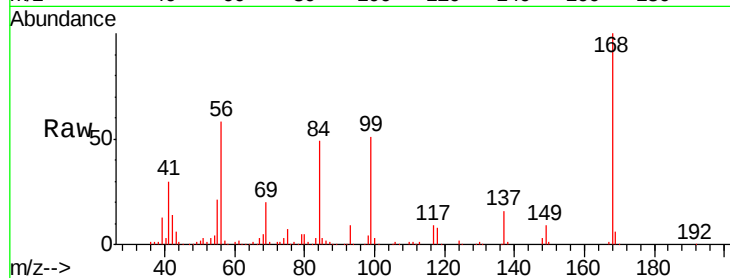
99 50.9 41.7 62.5

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

7.67

400000

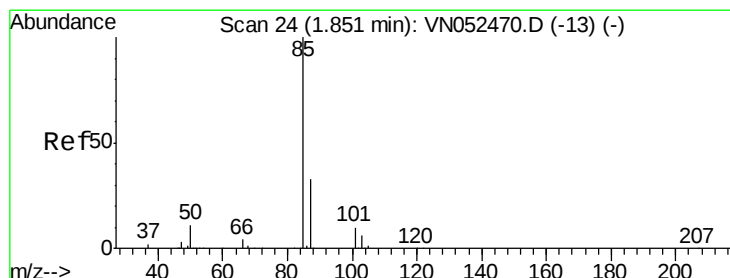
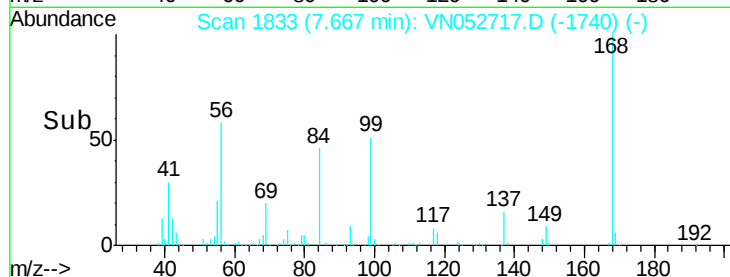
300000

200000

100000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 43.096 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052717.D

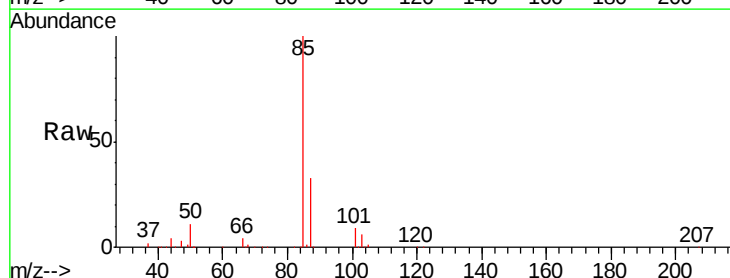
Acq: 7 Dec 2018 10:47

Tgt Ion: 85 Resp: 382010

Ion Ratio Lower Upper

85 100

87 32.6 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

250000

200000

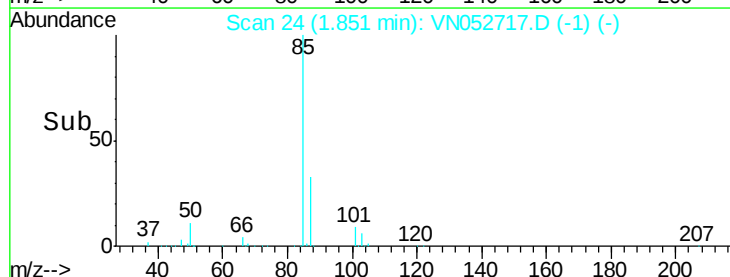
150000

100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 41.540 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Tgt Ion: 50 Resp: 486055

Ion Ratio Lower Upper

50 100

52 33.2 25.9 38.9

Instrument :

MSVOA_N

ClientSampleId :

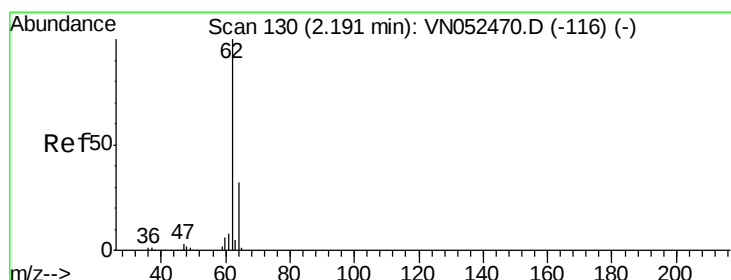
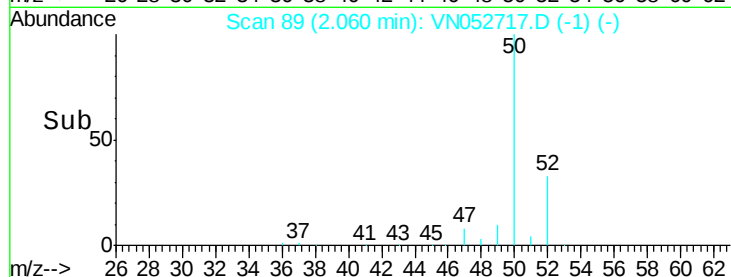
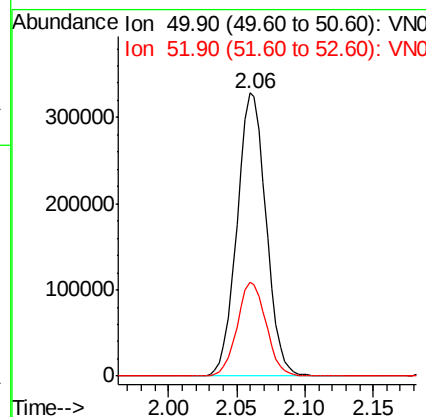
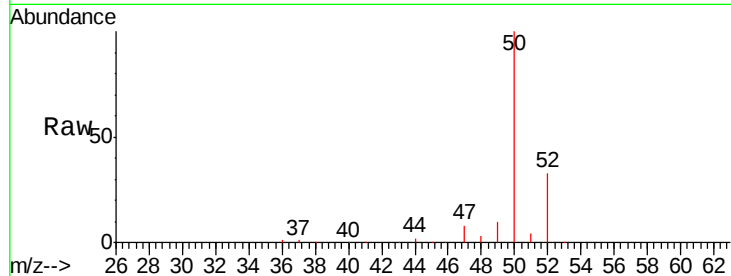
VSTDCCC050

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.230 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052717.D

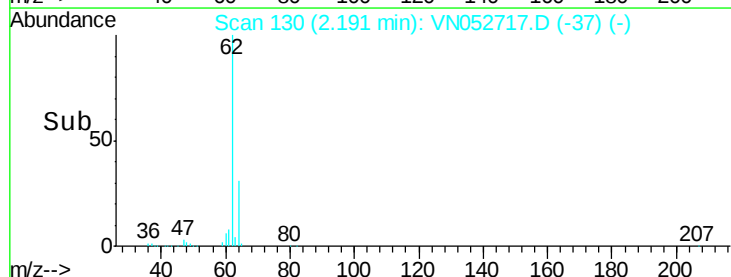
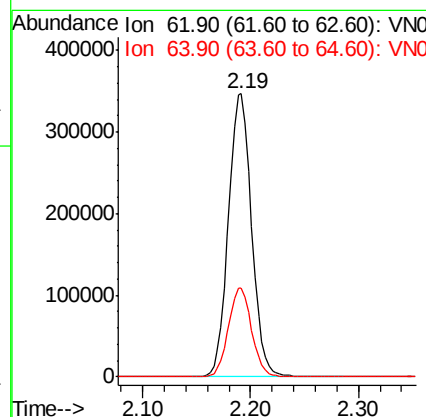
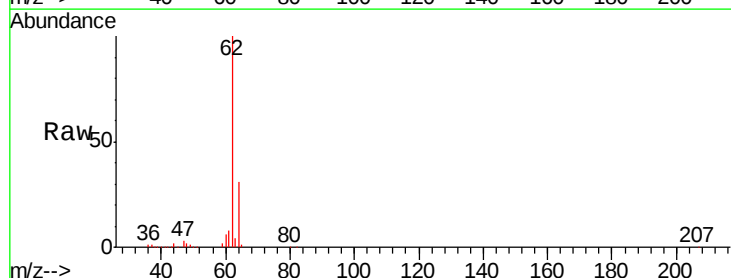
Acq: 7 Dec 2018 10:47

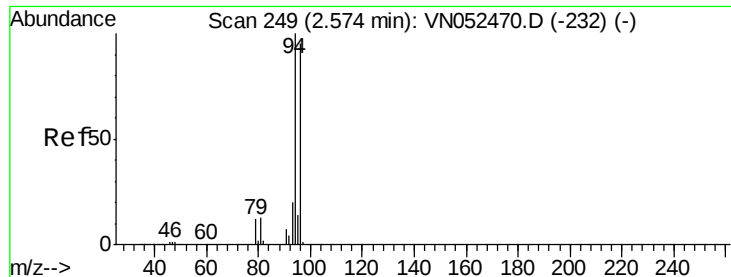
Tgt Ion: 62 Resp: 519608

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.2





#5

Bromomethane

Concen: 41.040 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 307786

Ion Ratio Lower Upper

94 100

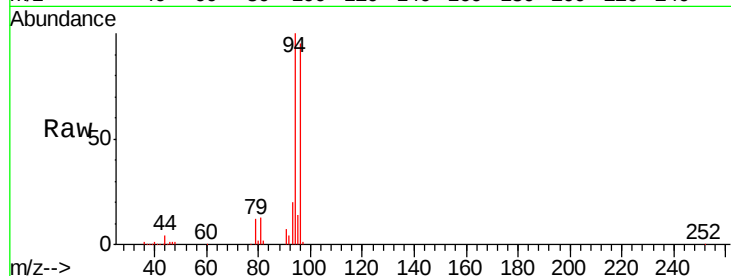
96 94.7 75.8 113.8

Manual Integrations

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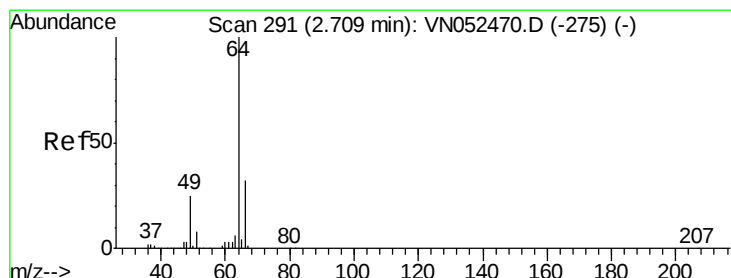
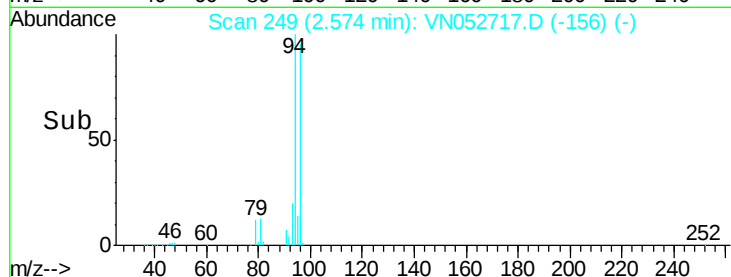
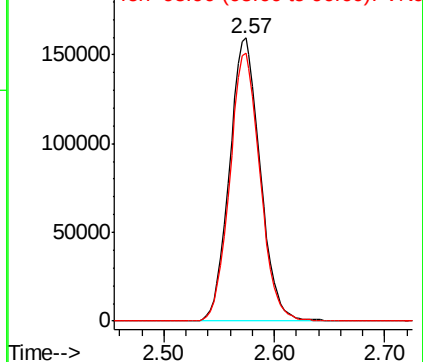
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12/10/2018 12:50:31 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 43.619 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052717.D

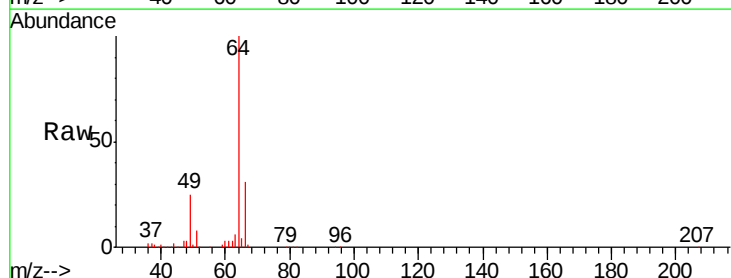
Acq: 7 Dec 2018 10:47

Tgt Ion: 64 Resp: 317575

Ion Ratio Lower Upper

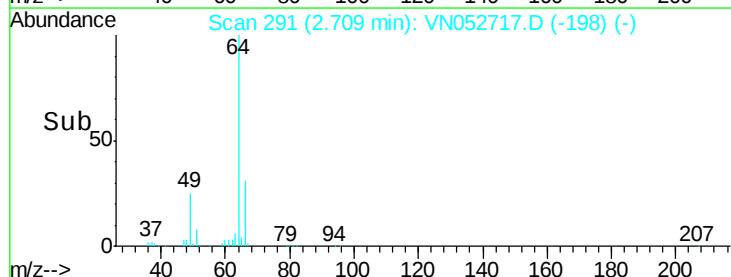
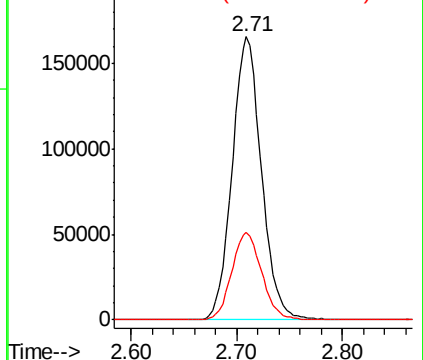
64 100

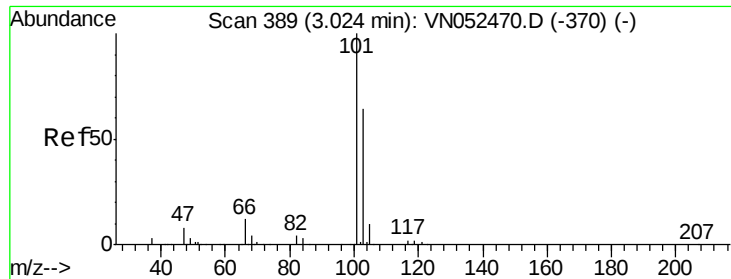
66 30.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

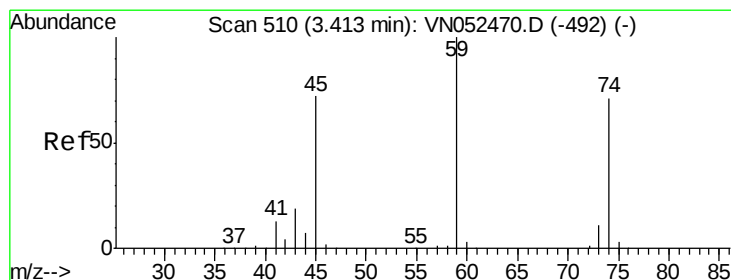
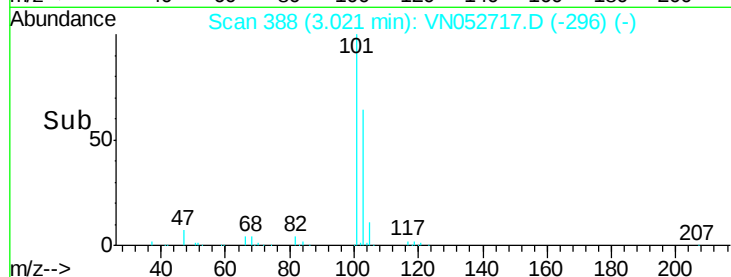
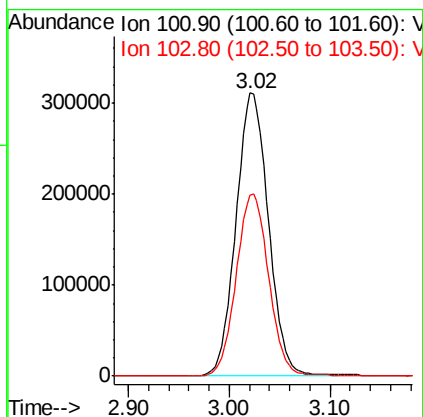
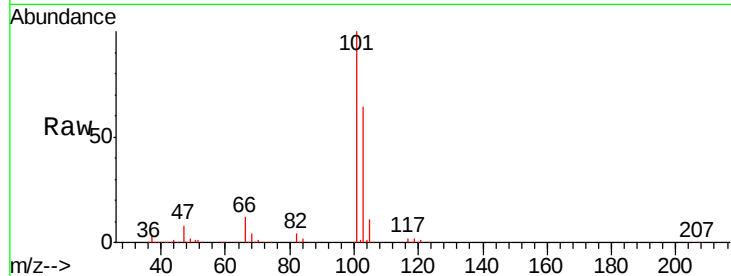
Trichlorofluoromethane
 Concen: 47.085 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.4	77.2

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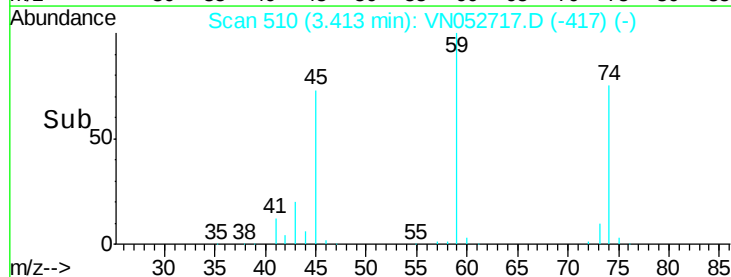
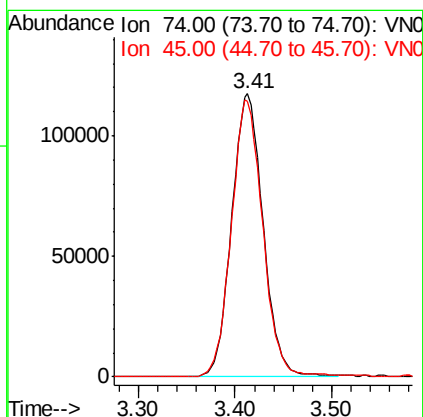
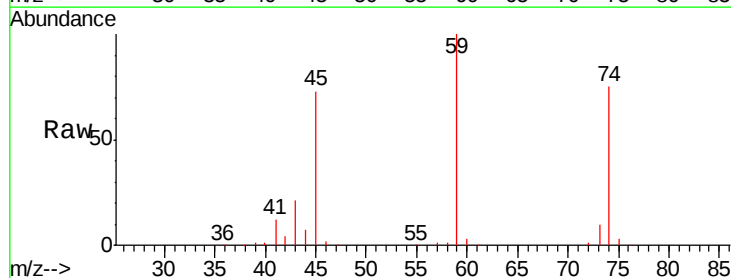
MMDadoda
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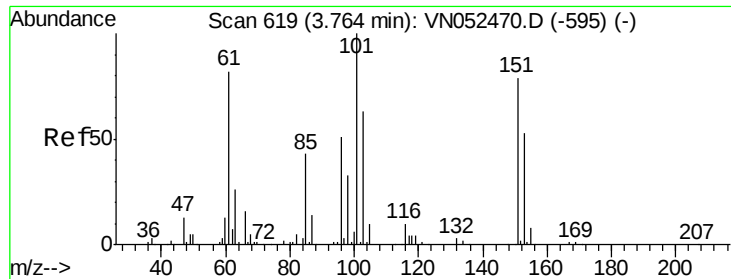


#8

Diethyl Ether
 Concen: 48.554 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.8	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.312 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Instrument :

MSVOA_N

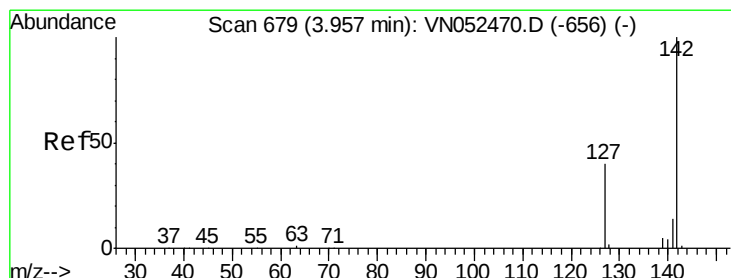
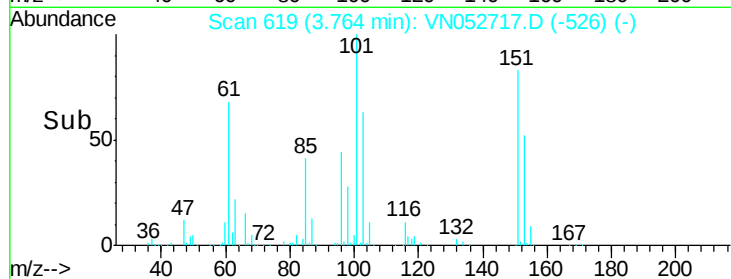
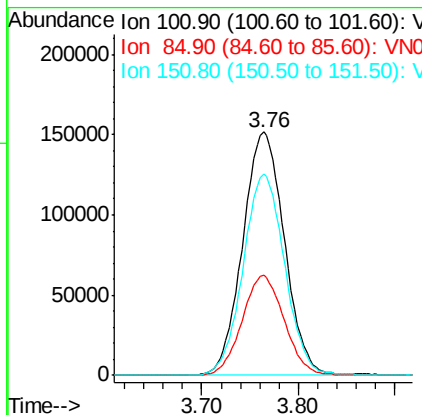
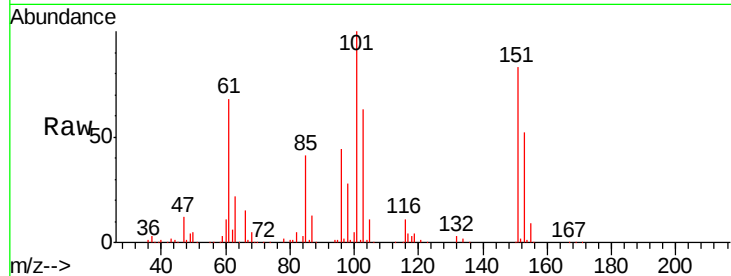
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	454304
Ion Ratio	Lower	Upper	
101	100		
85	41.4	34.2	51.4
151	82.6	64.6	96.8

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#10

Methyl Iodide

Concen: 51.641 ug/l

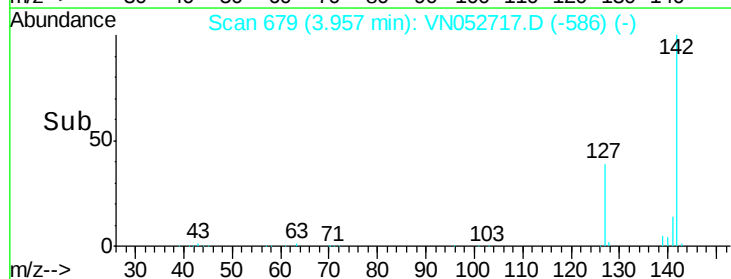
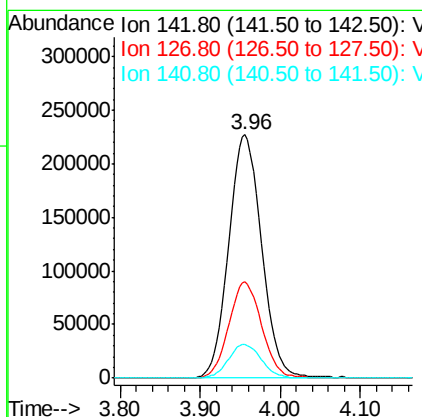
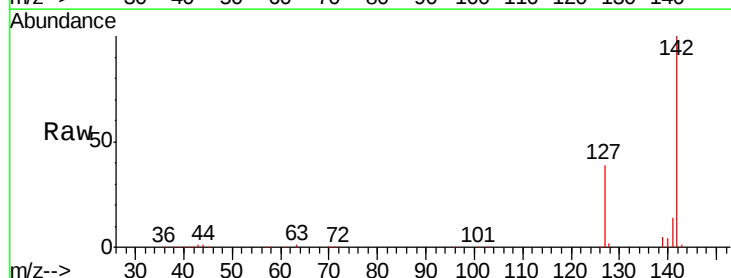
RT: 3.96 min Scan# 679

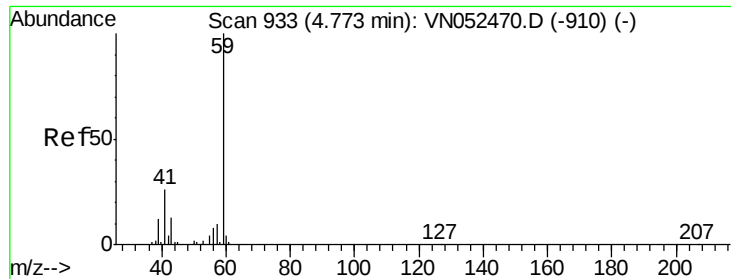
Delta R.T. -0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Tgt Ion:	142	Resp:	633651
Ion Ratio	Lower	Upper	
142	100		
127	39.5	31.8	47.6
141	14.0	11.4	17.0





#11

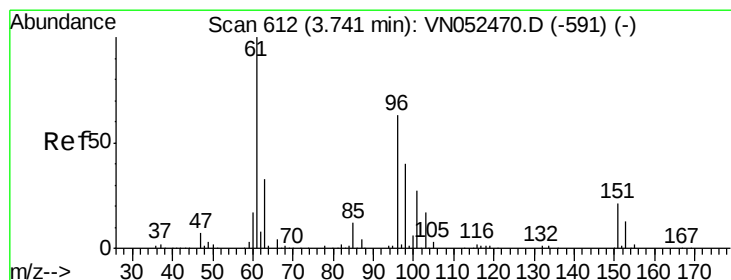
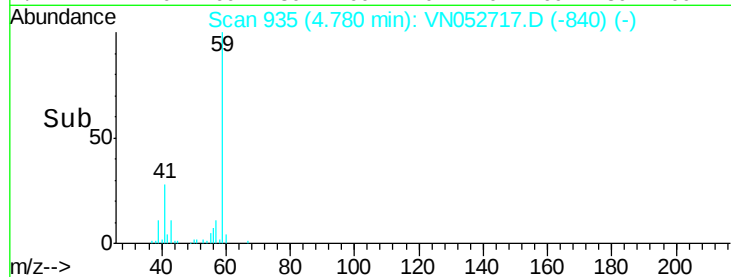
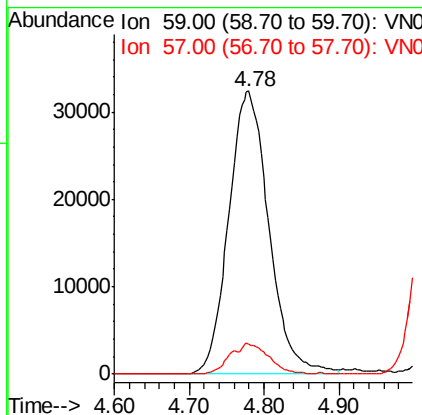
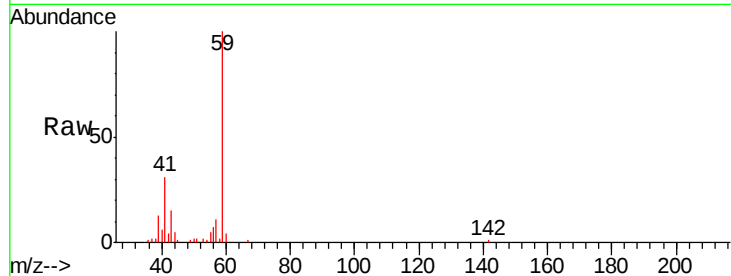
Tert butyl alcohol
 Concen: 234.159 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.9	11.9

Manual Integrations
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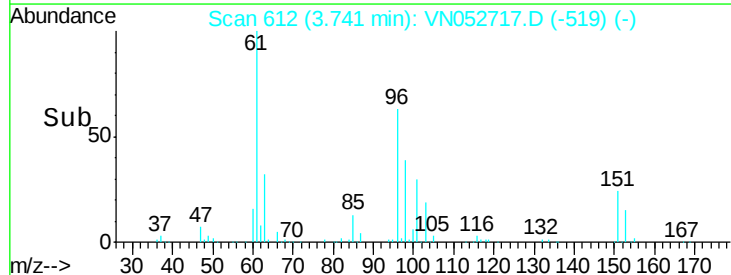
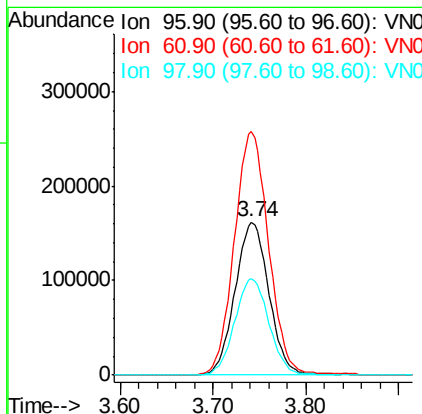
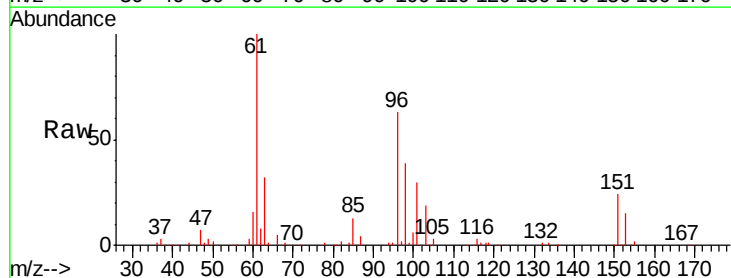
MMDadoda
 12/10/2018 12:50:31 PM

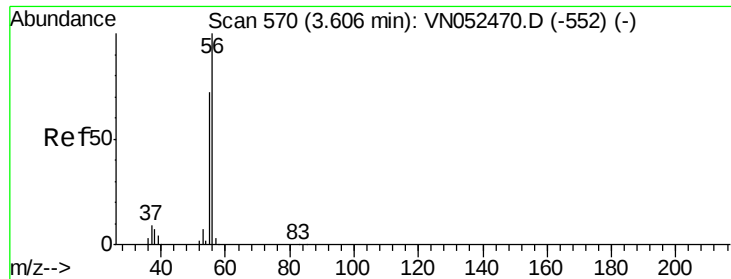


#12

1,1-Dichloroethene
 Concen: 46.257 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.4	127.0	190.6
98	62.9	50.3	75.5





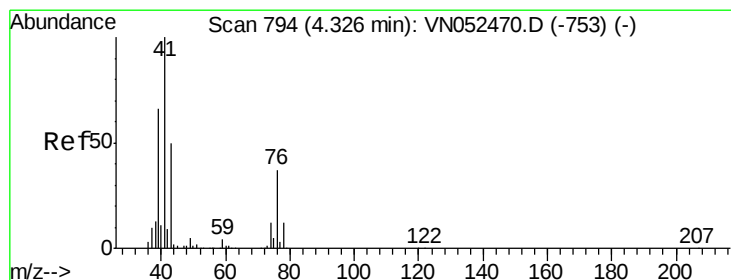
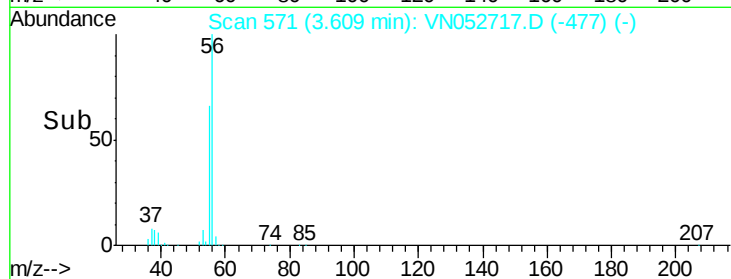
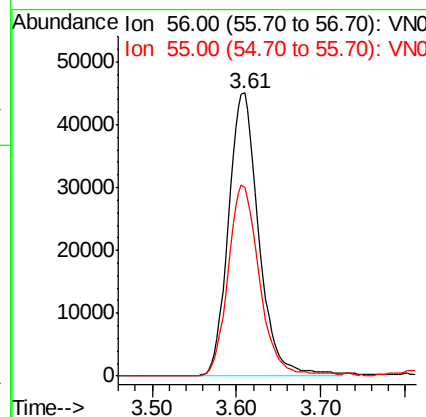
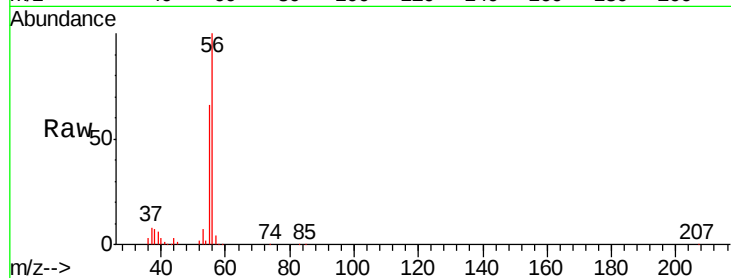
#13
Acrolein
Concen: 126.105 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
55	68.6	56.8	85.2

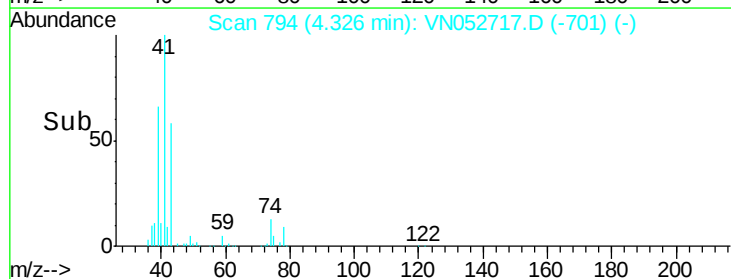
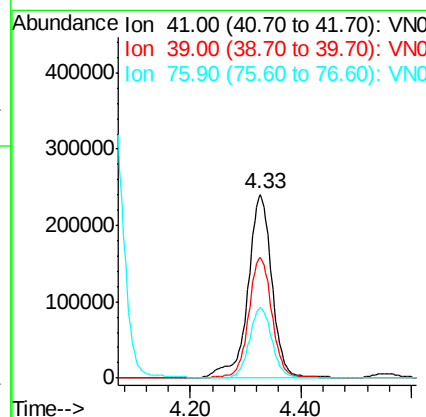
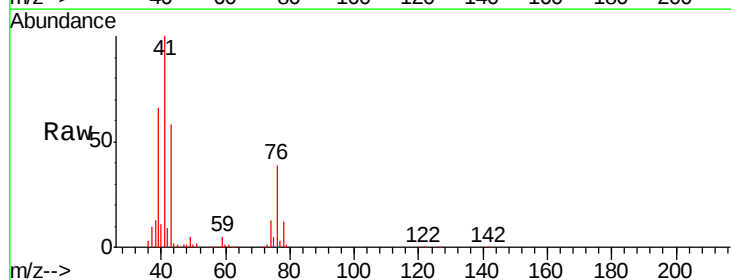
Manual Integrations
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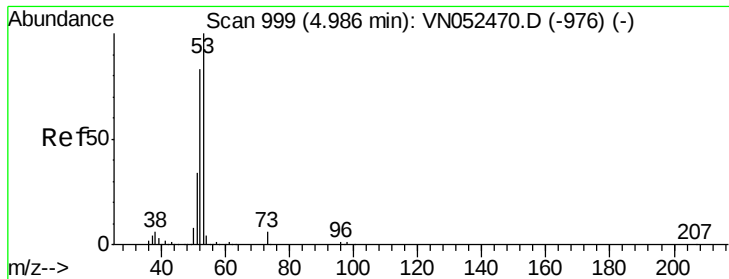
MMDadoda
12/10/2018 12:50:31 PM



#14
Allyl chloride
Concen: 47.772 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.9	50.6	76.0
76	35.2	27.4	41.2





#15

Acrylonitrile

Concen: 239.567 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Instrument :

MSVOA_N

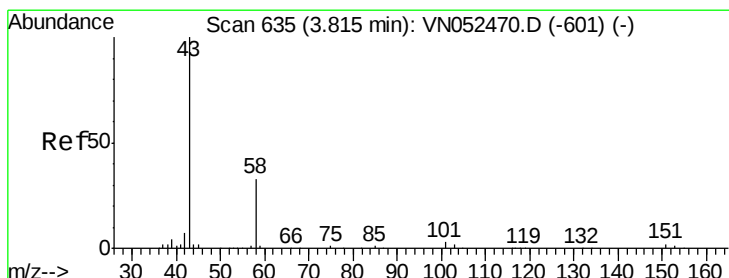
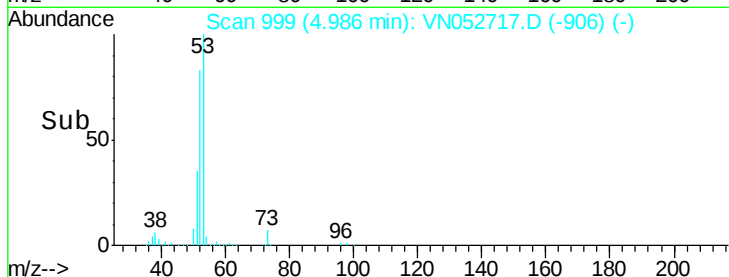
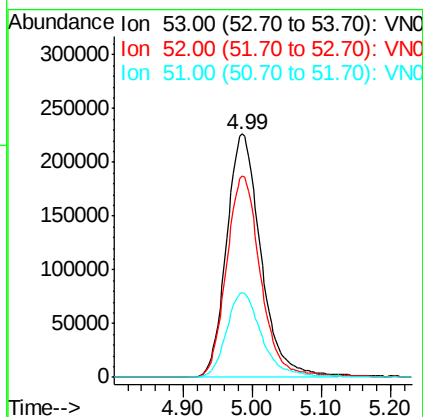
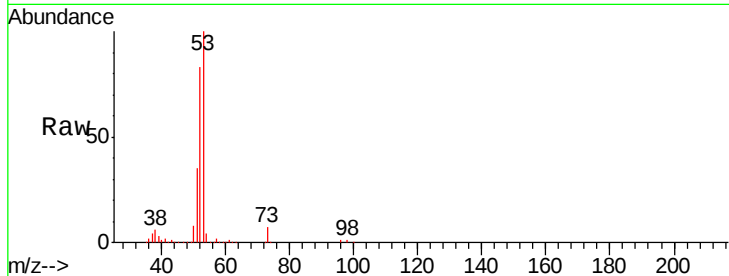
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	782565
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.2
51	35.8	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 266.456 ug/l

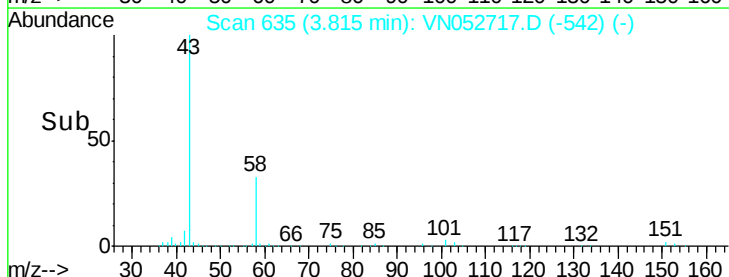
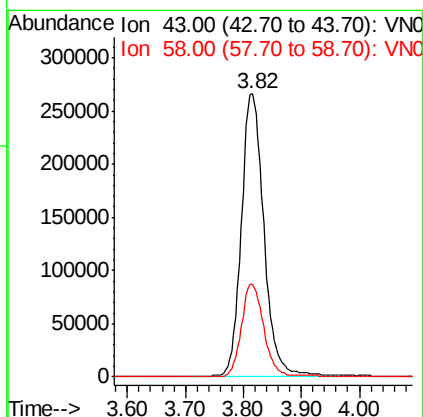
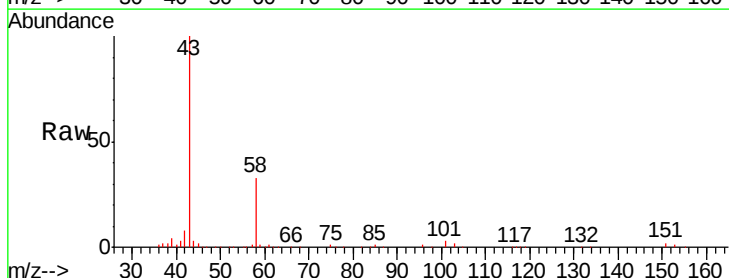
RT: 3.82 min Scan# 635

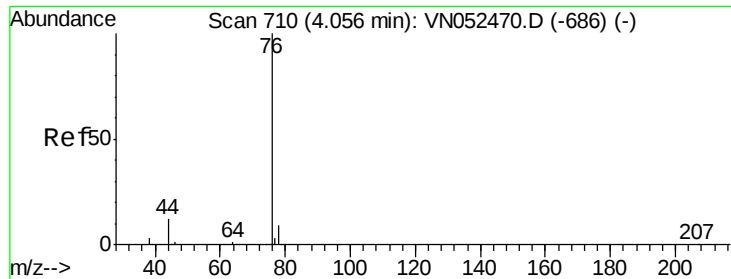
Delta R.T. 0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Tgt Ion:	43	Resp:	724436
Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.0	39.0





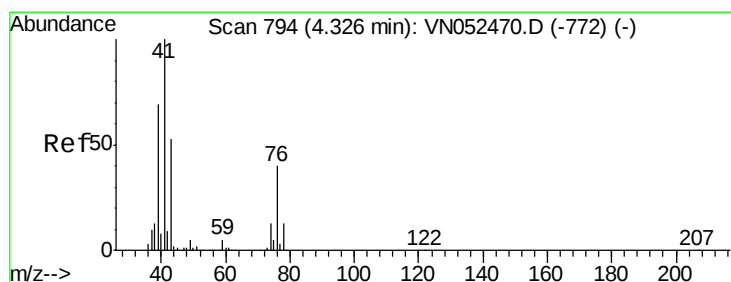
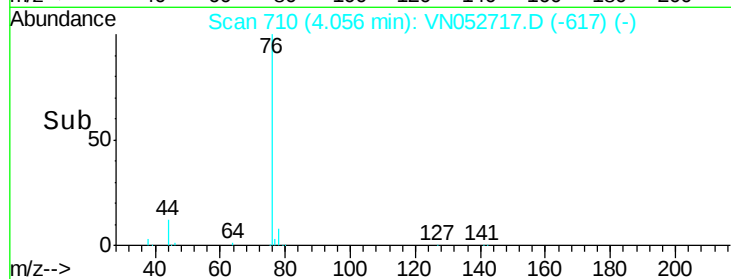
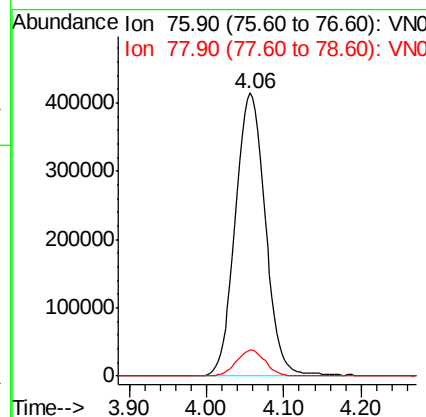
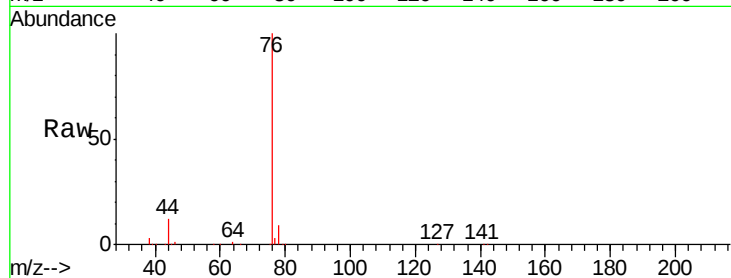
#17
Carbon Disulfide
Concen: 39.985 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 1115869
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

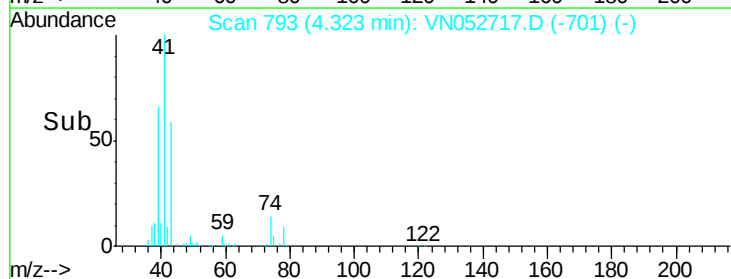
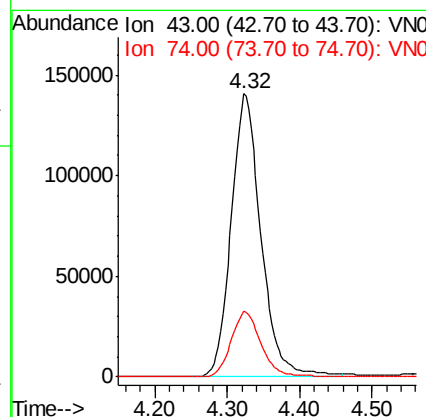
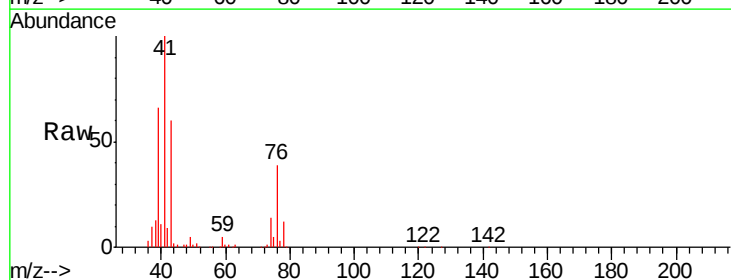
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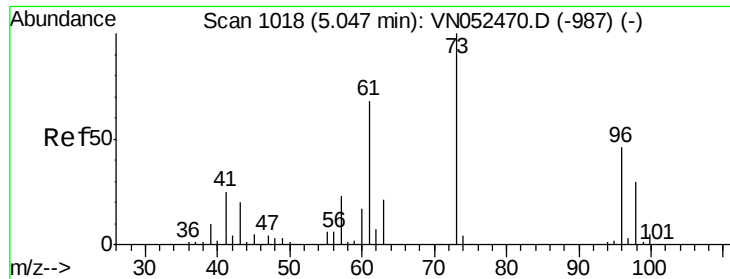
MMDadoda
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#18
Methyl Acetate
Concen: 51.045 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Tgt Ion: 43 Resp: 398087
Ion Ratio Lower Upper
43 100
74 23.2 18.6 27.8





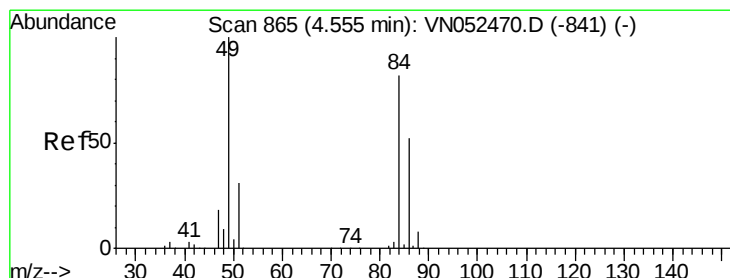
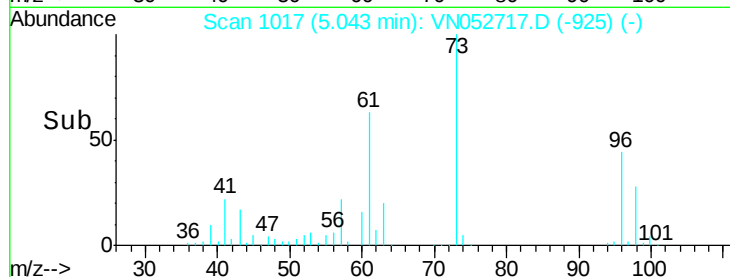
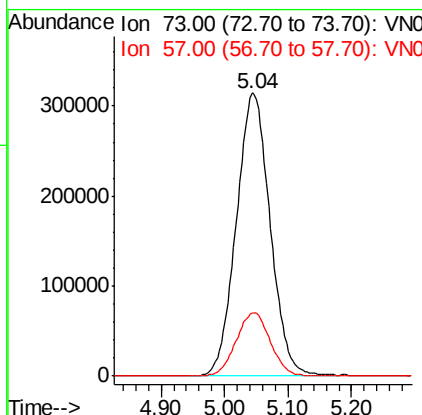
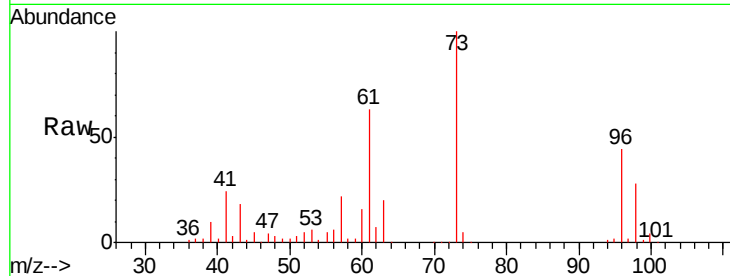
#19
Methyl tert-butyl Ether
Concen: 49.310 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 1163453
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.2

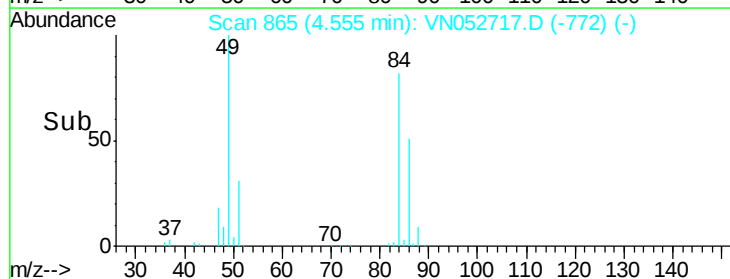
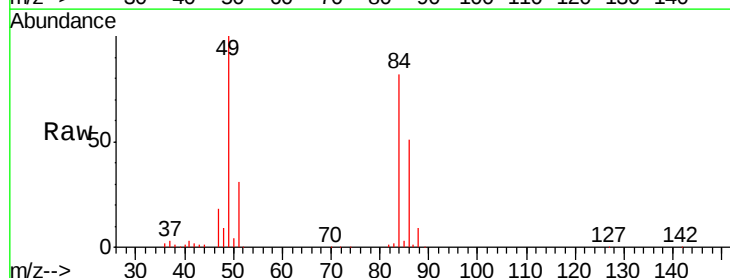
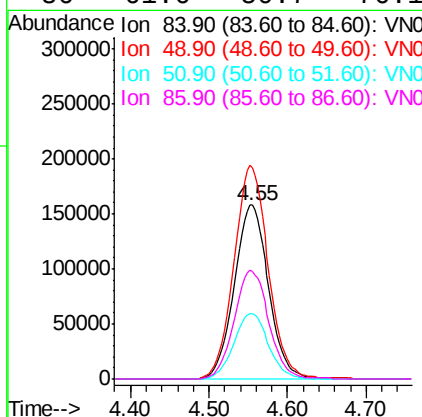
Manual Integrations
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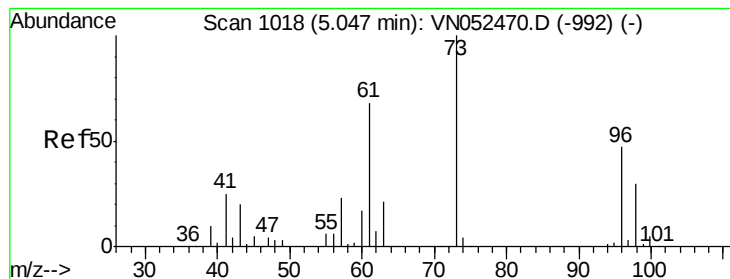
MMDadoda
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#20
Methylene Chloride
Concen: 45.260 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Tgt Ion: 84 Resp: 481540
Ion Ratio Lower Upper
84 100
49 121.3 98.0 147.0
51 37.7 30.1 45.1
86 61.6 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 46.976 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 444922

Ion Ratio Lower Upper

96 100

61 142.4 117.0 175.4

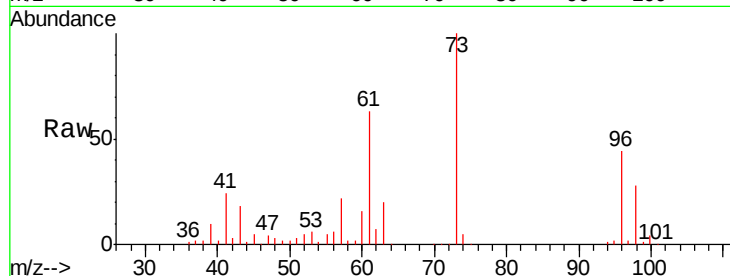
98 63.7 51.8 77.6

Manual Integrations

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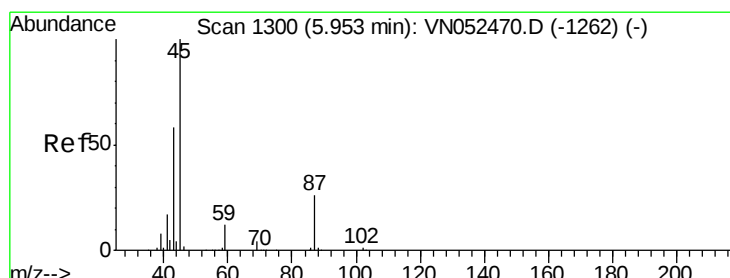
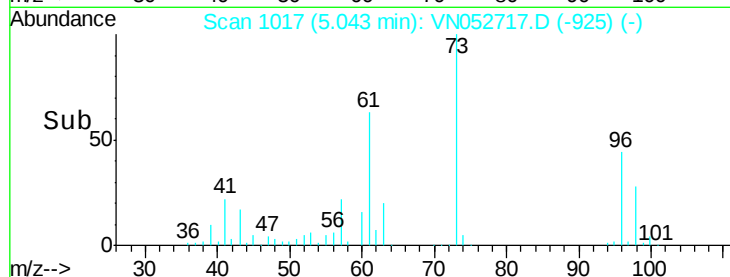
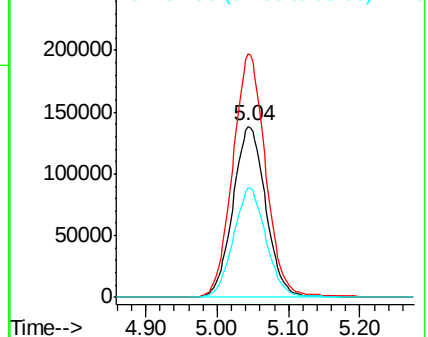


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 48.545 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Tgt Ion: 45 Resp: 1558537

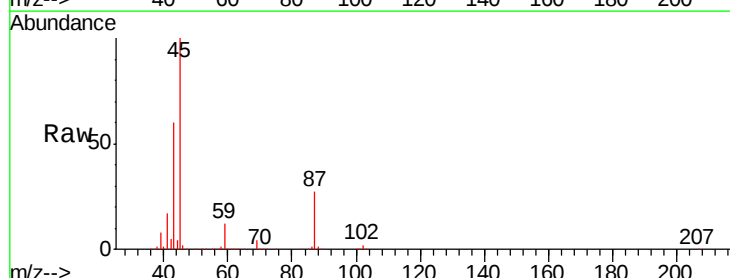
Ion Ratio Lower Upper

45 100

43 58.6 46.1 69.1

87 26.8 21.3 31.9

59 11.4 9.5 14.3



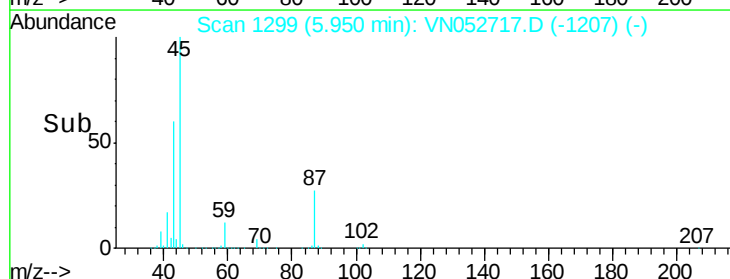
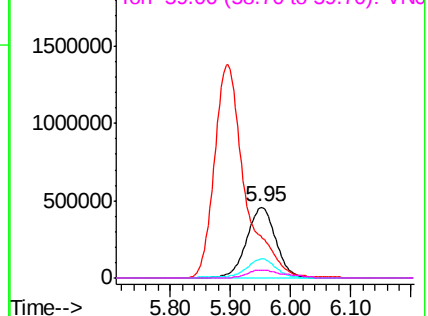
Abundance

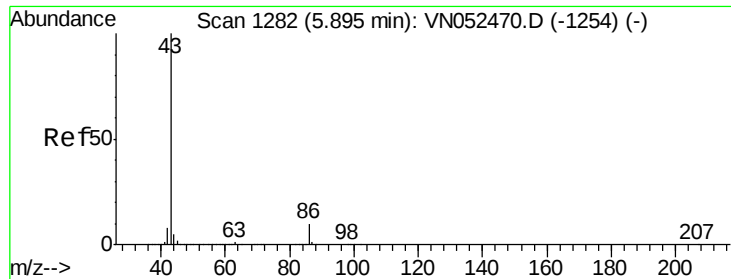
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 241.611 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 4831396

Ion Ratio Lower Upper

43 100

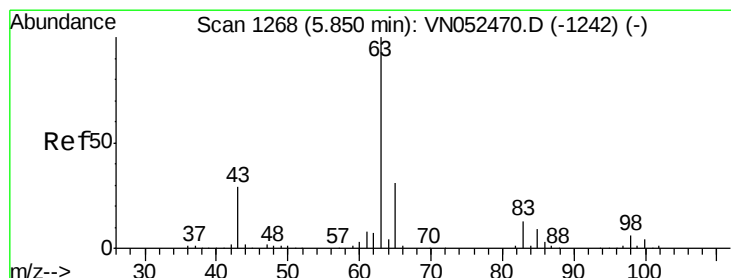
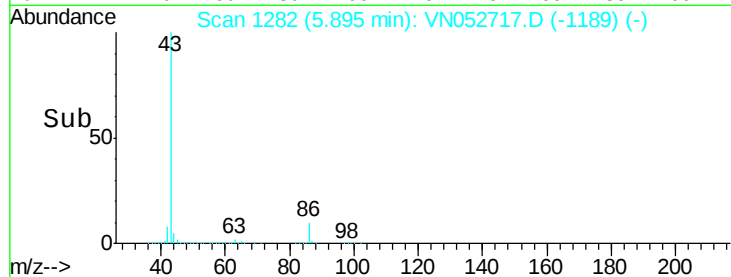
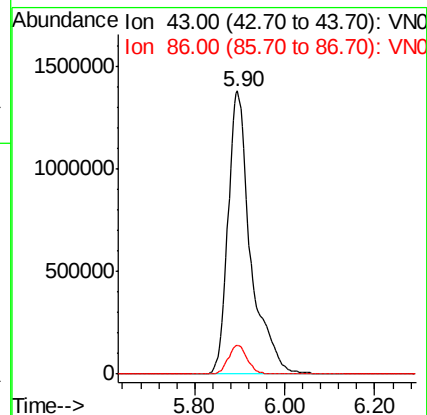
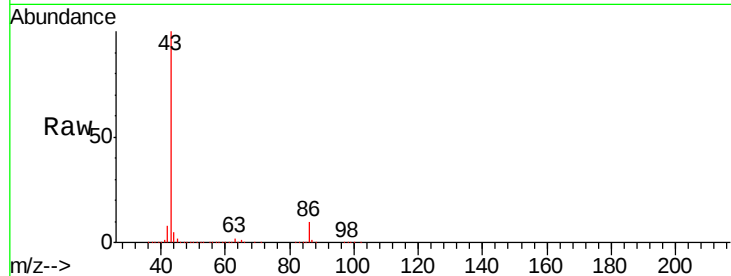
86 10.1 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.333 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

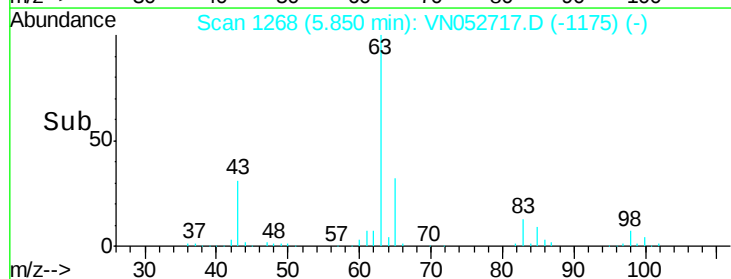
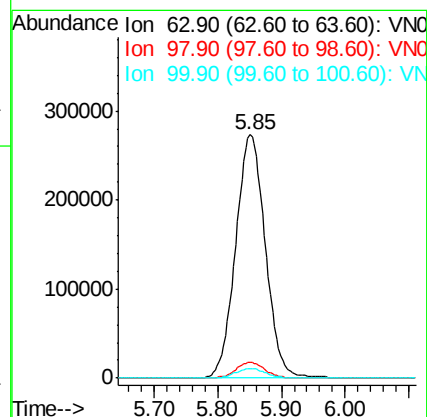
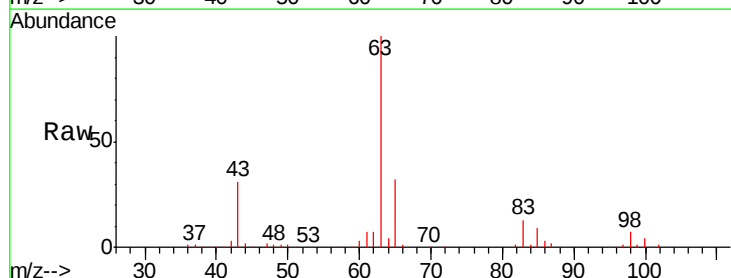
Tgt Ion: 63 Resp: 885982

Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

100 4.1 2.0 5.8





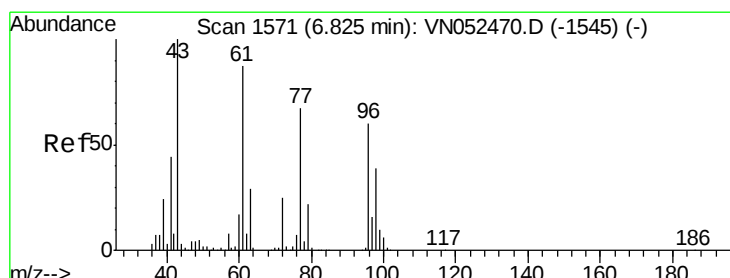
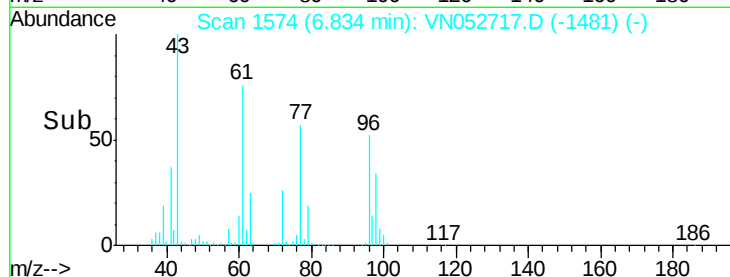
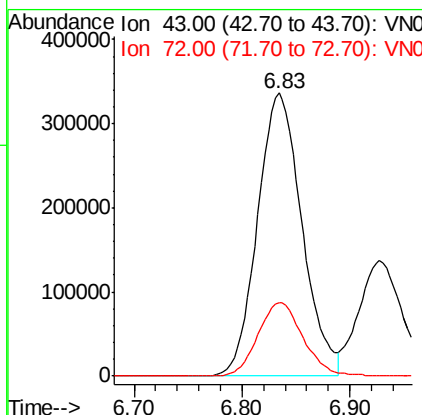
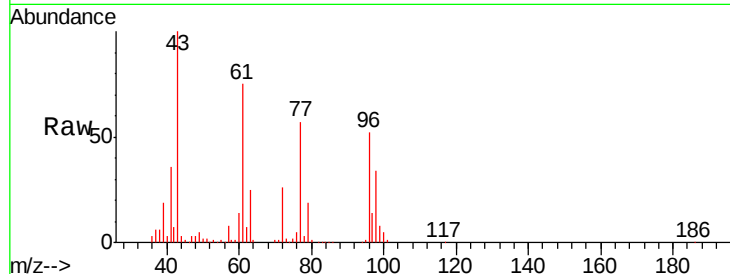
#25
 2-Butanone
 Concen: 248.491 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 957584
 Ion Ratio Lower Upper
 43 100
 72 26.0 20.1 30.1

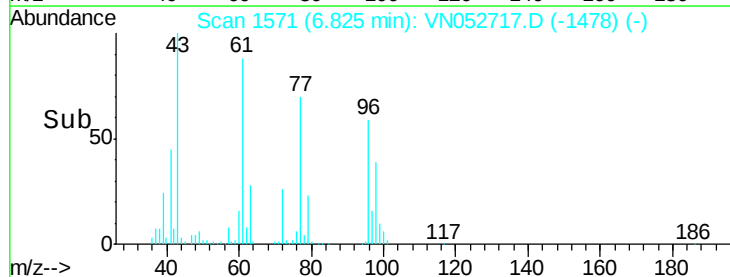
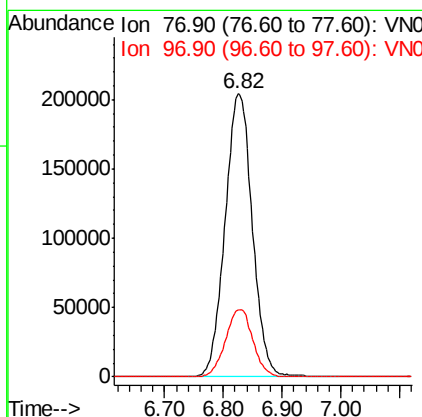
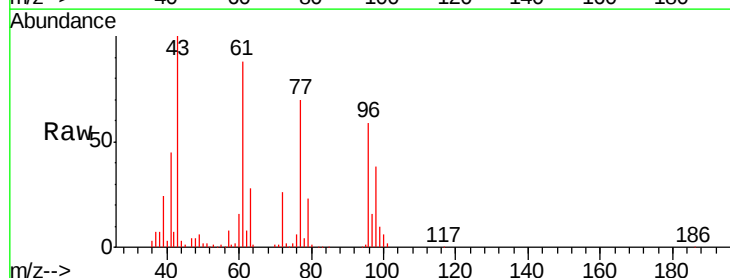
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#26
 2,2-Dichloropropane
 Concen: 51.998 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Tgt Ion: 77 Resp: 659750
 Ion Ratio Lower Upper
 77 100
 97 23.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 47.958 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Instrument :

MSVOA_N

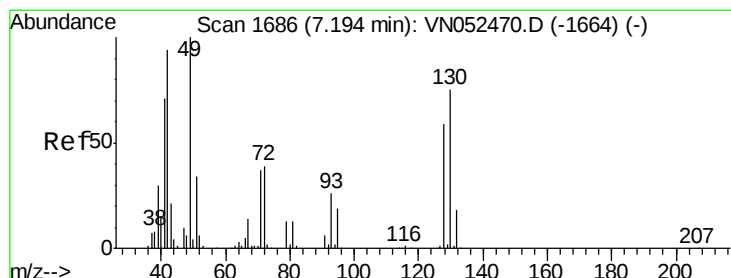
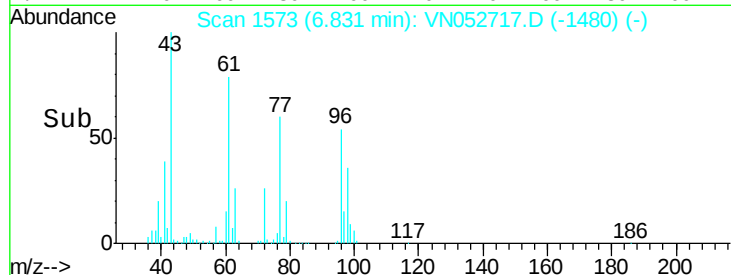
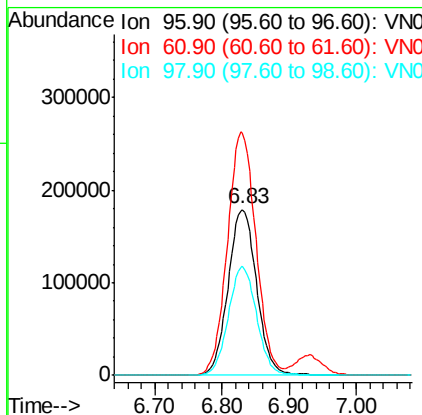
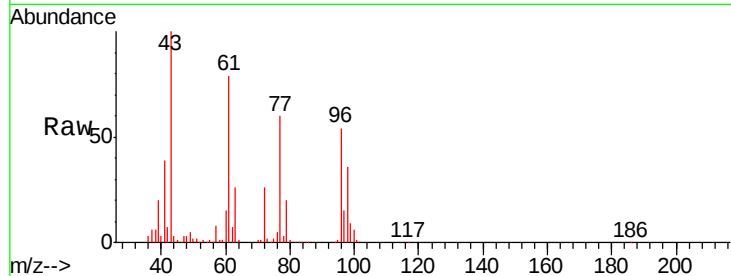
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	529109
Ion	Ratio	Lower	Upper
96	100		
61	146.3	0.0	291.0
98	65.3	0.0	130.0

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#28

Bromochloromethane

Concen: 48.876 ug/l

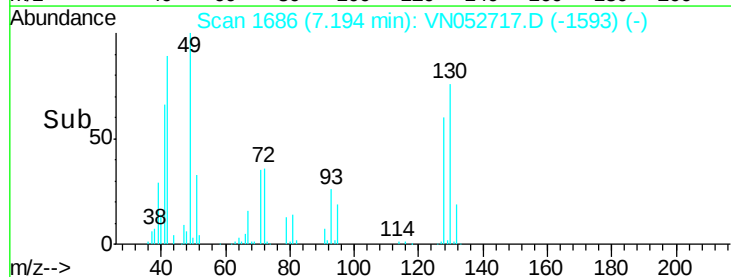
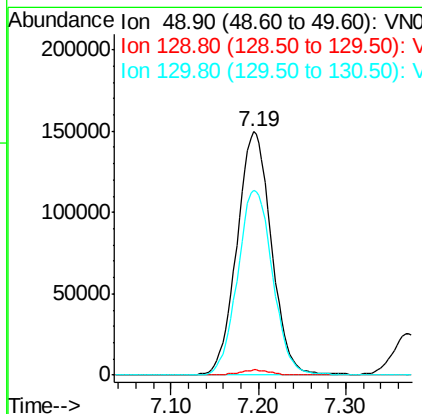
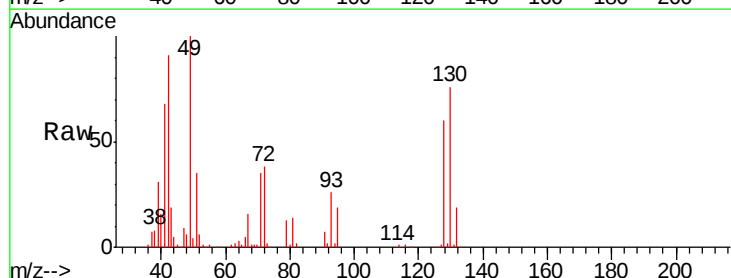
RT: 7.19 min Scan# 1686

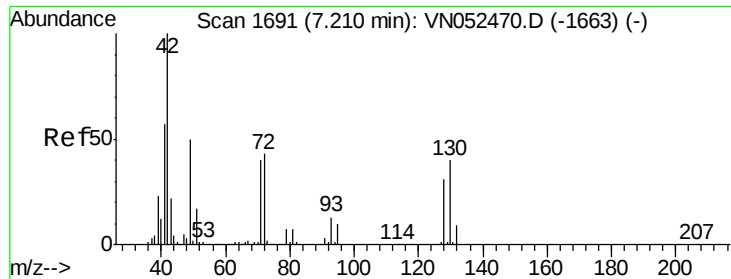
Delta R.T. 0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Tgt Ion:	49	Resp:	409213
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	77.1	60.2	90.2





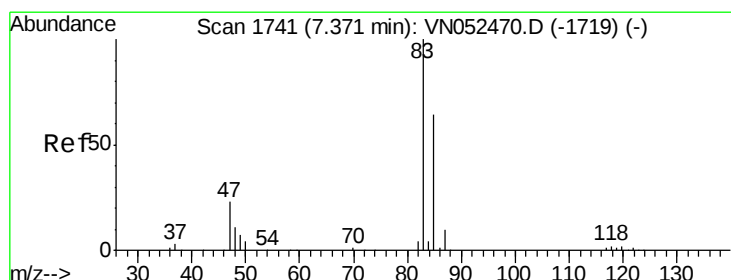
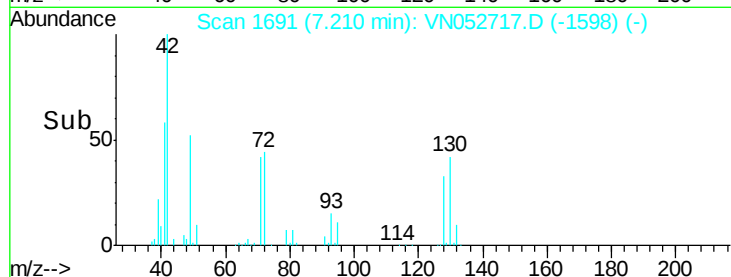
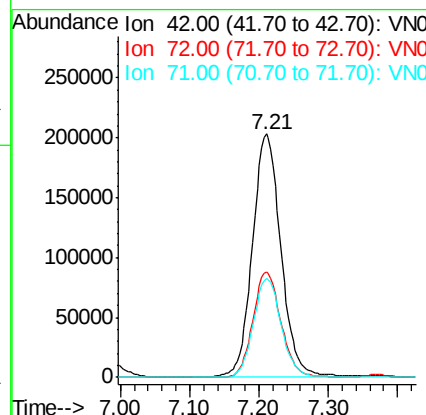
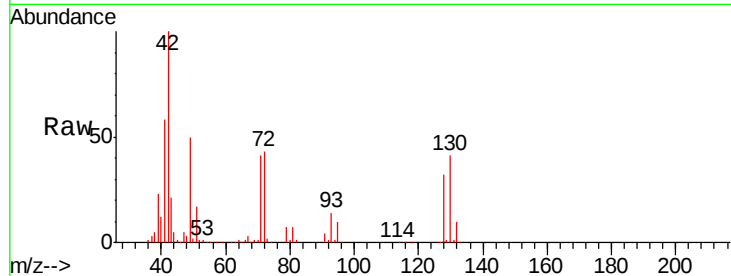
#29
Tetrahydrofuran
Concen: 232.465 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.8	33.3	49.9
71	40.1	32.0	48.0

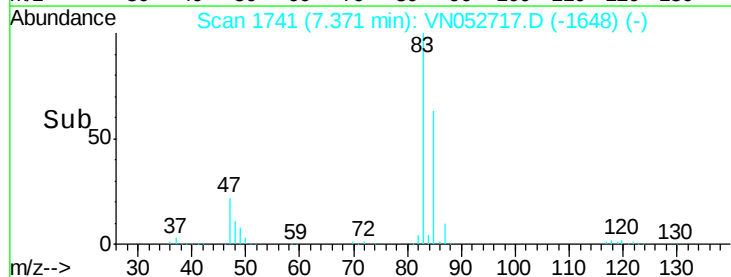
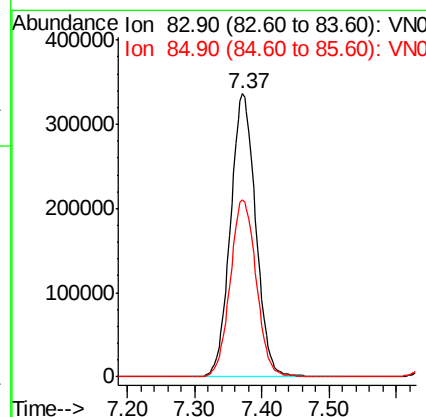
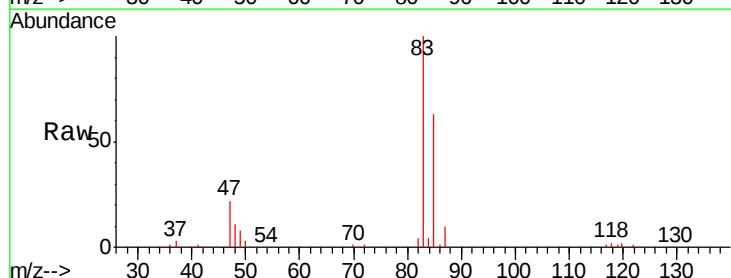
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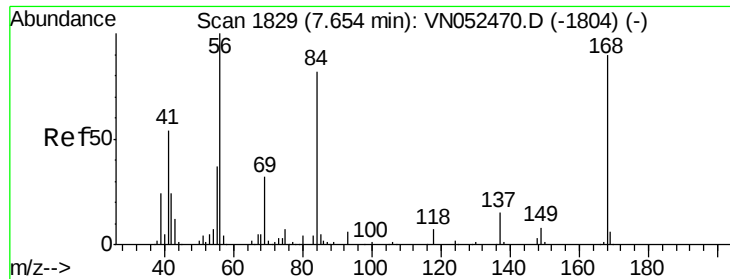
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#30
Chloroform
Concen: 48.044 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.0	76.4





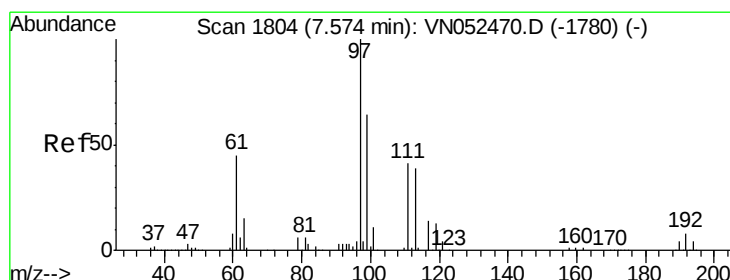
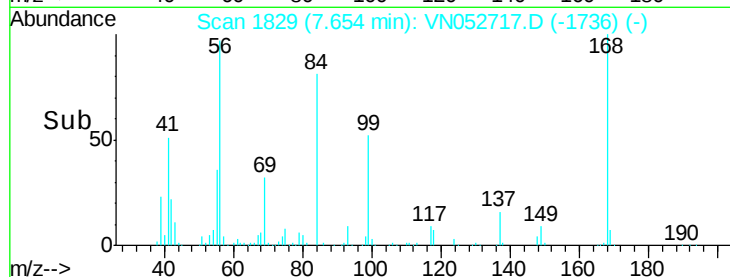
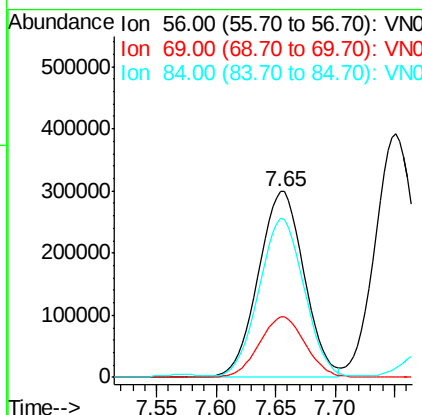
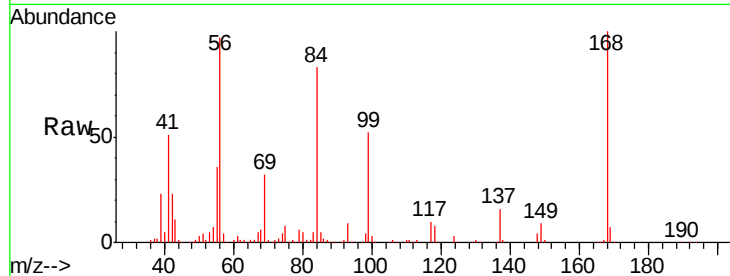
#31
Cyclohexane
Concen: 44.863 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.5	25.8	38.6
84	84.3	65.3	97.9

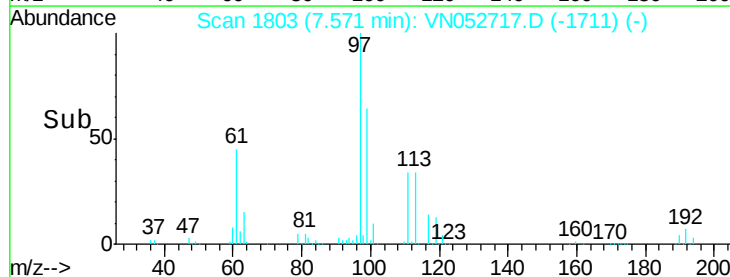
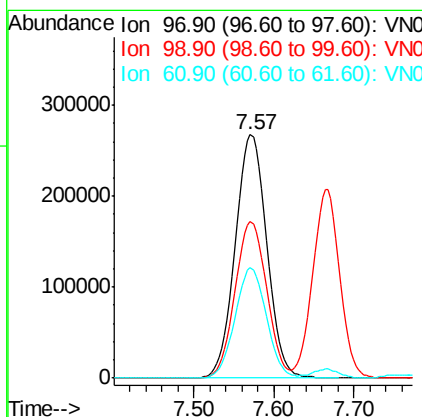
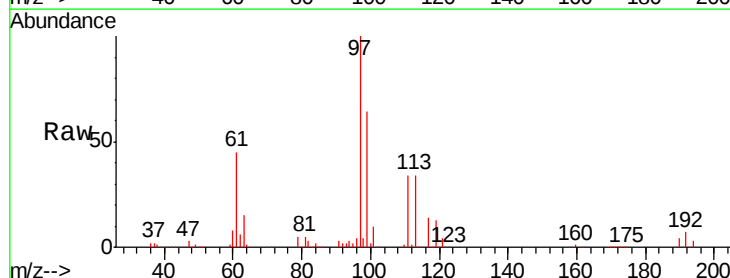
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#32
1,1,1-Trichloroethane
Concen: 49.206 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.7	77.5
61	44.9	36.8	55.2





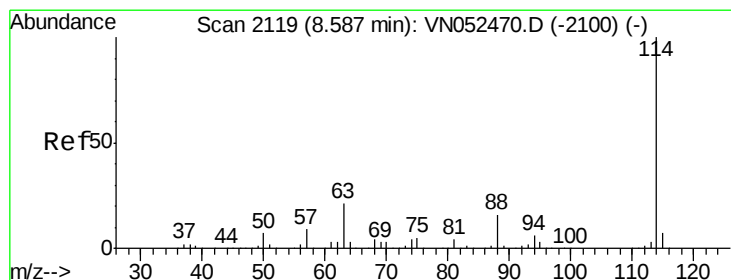
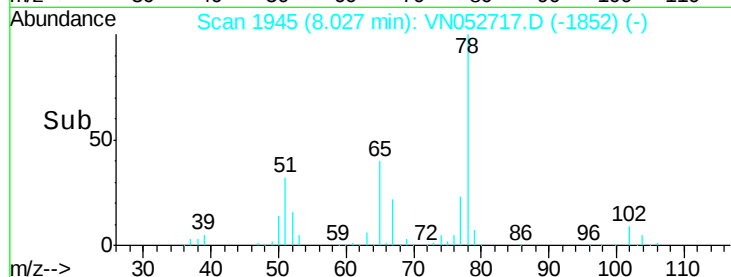
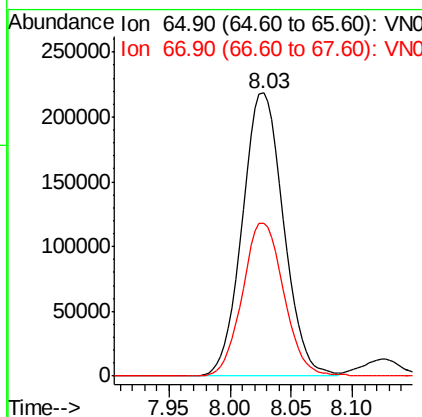
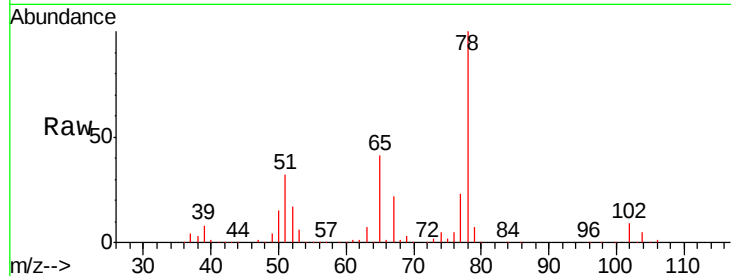
#33
 1,2-Dichloroethane-d4
 Concen: 49.206 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 511654
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 109.8

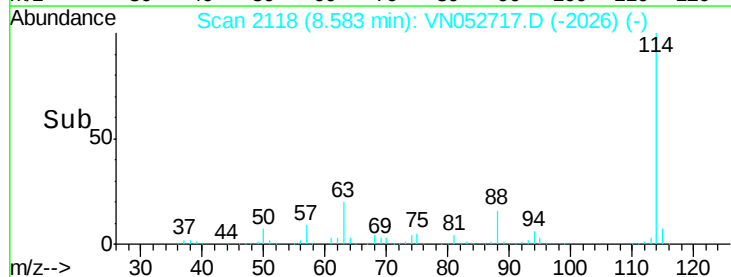
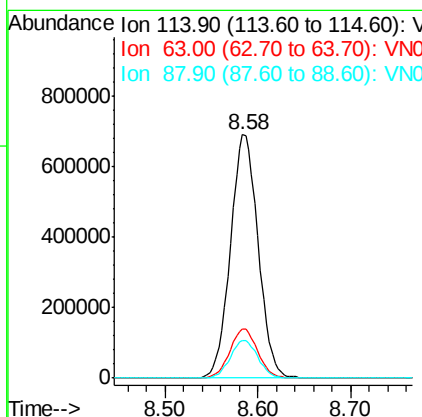
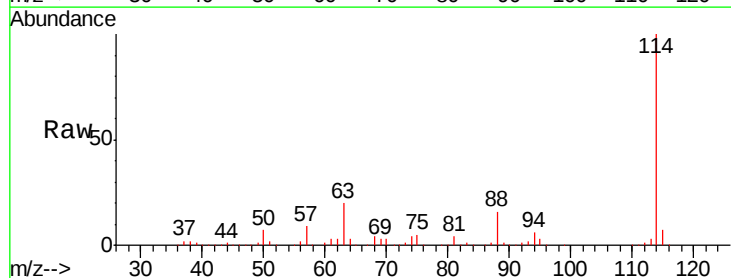
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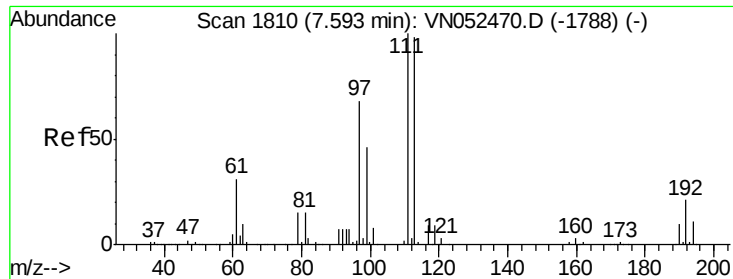
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Tgt Ion: 114 Resp: 1429886
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.8
 88 15.5 0.0 31.6





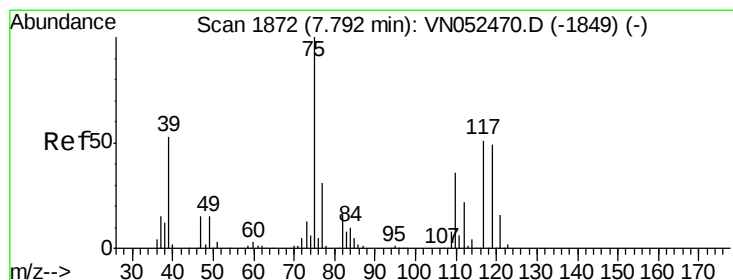
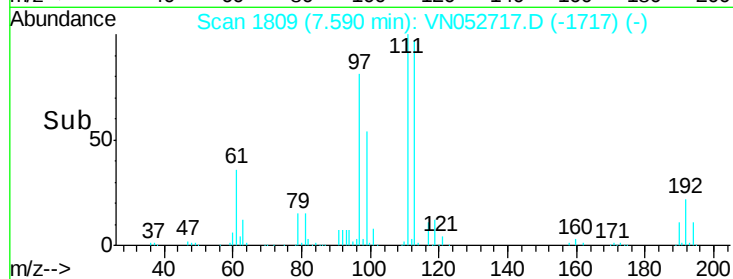
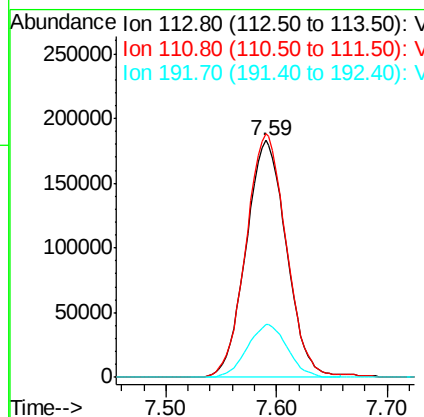
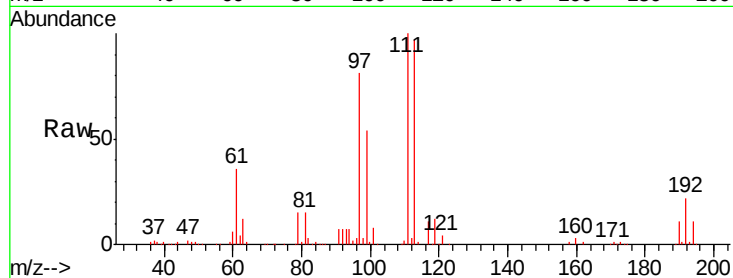
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	464215		
111	103.1	82.0	123.0	
192	22.2	17.0	25.6	

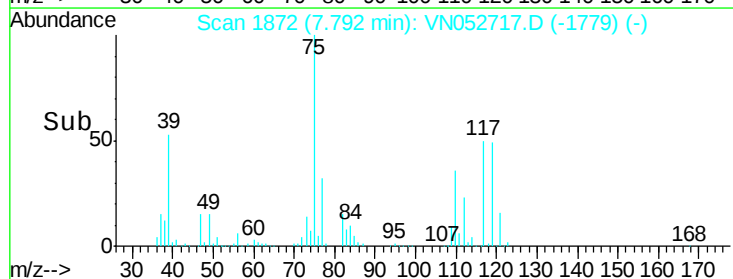
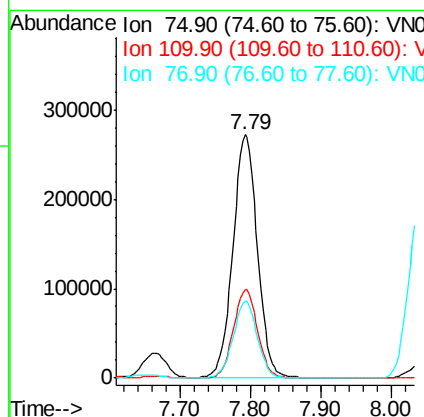
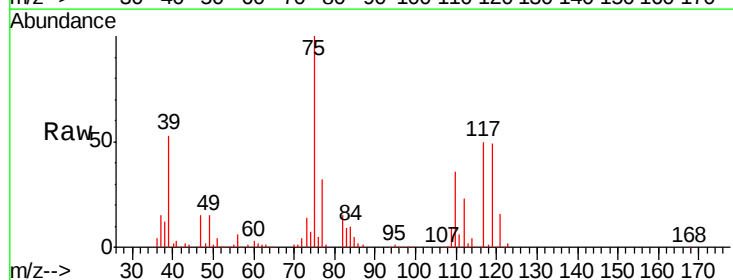
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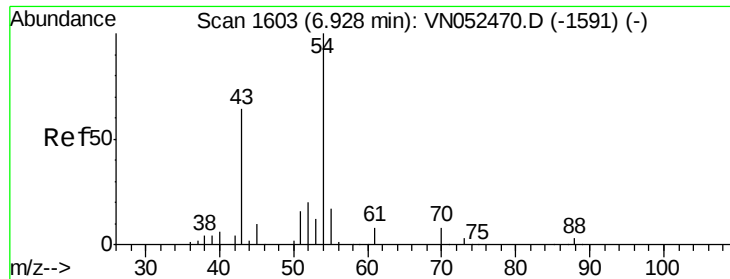
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#36
 1,1-Dichloropropene
 Concen: 48.806 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	659016		
110	36.1	17.5	52.6	
77	31.5	24.5	36.7	





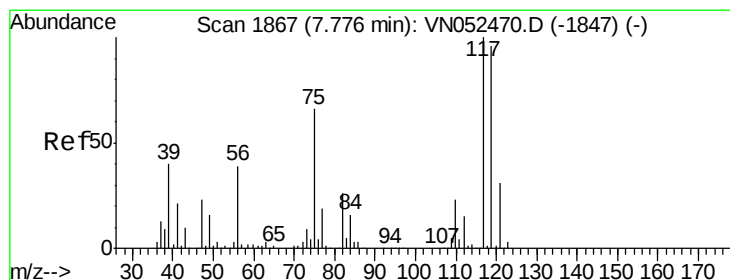
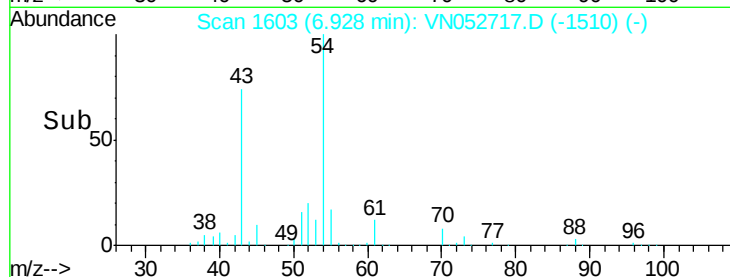
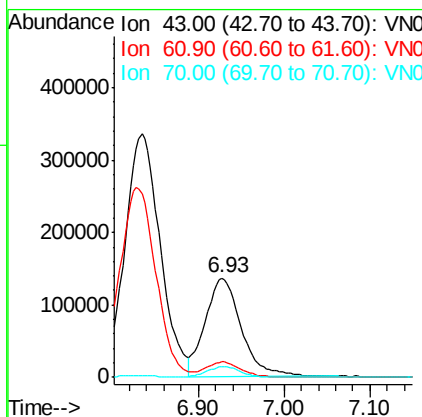
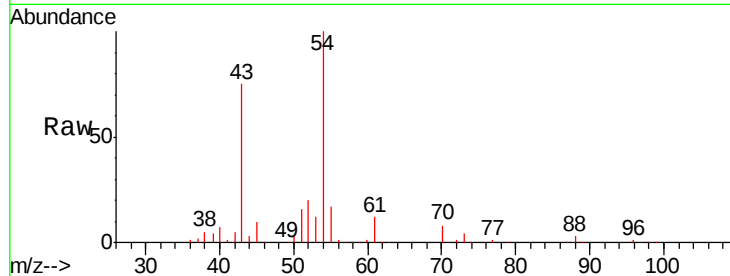
#37
Ethyl Acetate
Concen: 48.231 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.8	17.8
70	9.8	7.8	11.8

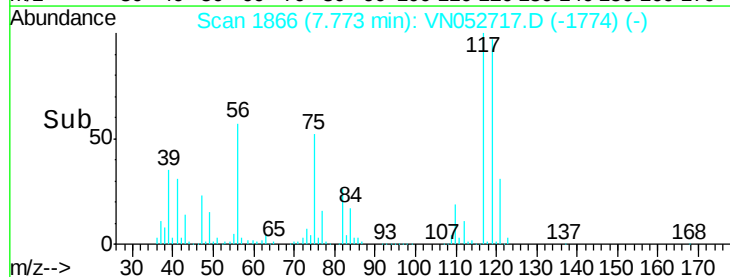
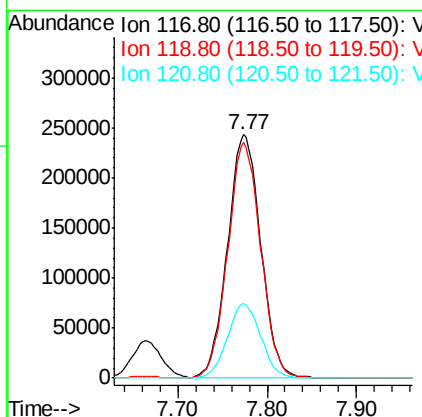
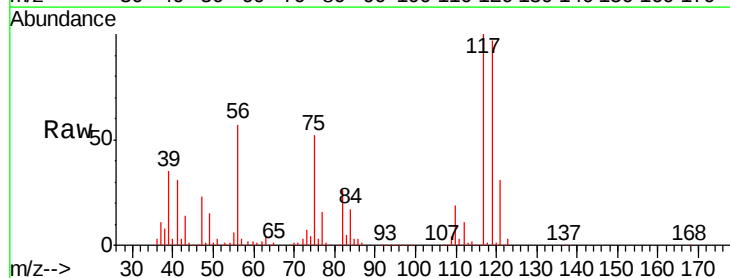
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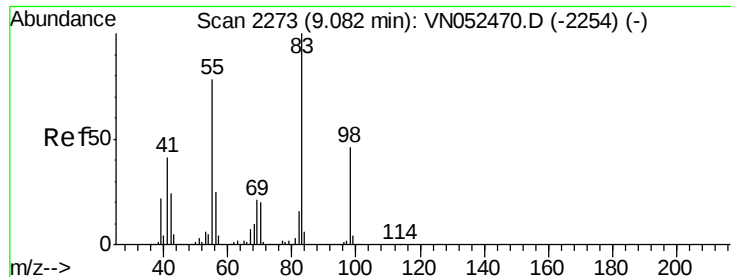
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#38
Carbon Tetrachloride
Concen: 51.292 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.8	115.2
121	30.7	24.9	37.3





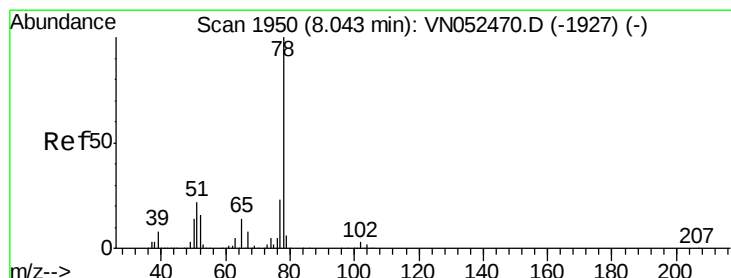
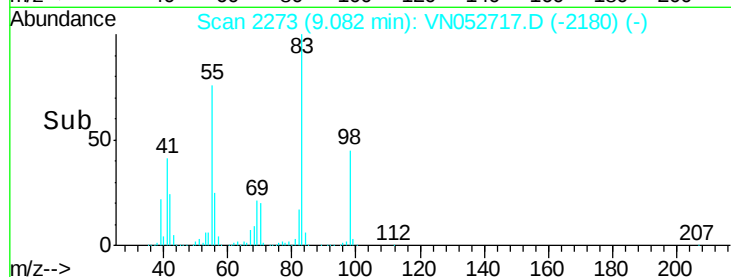
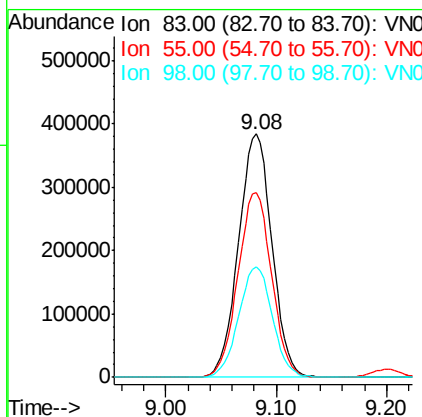
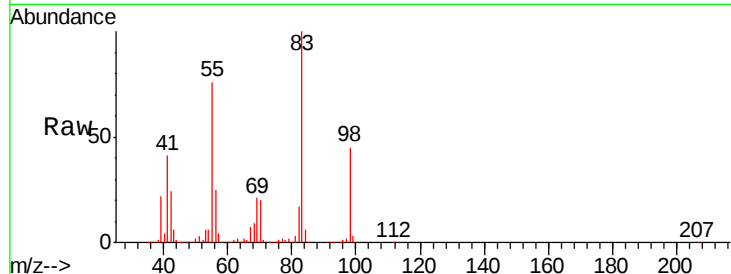
#39
Methylcyclohexane
Concen: 49.111 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.9	62.2	93.2
98	45.1	36.4	54.6

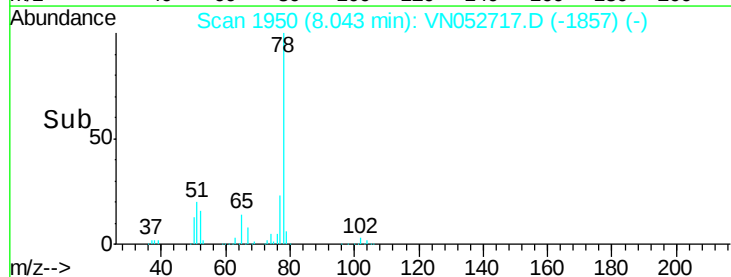
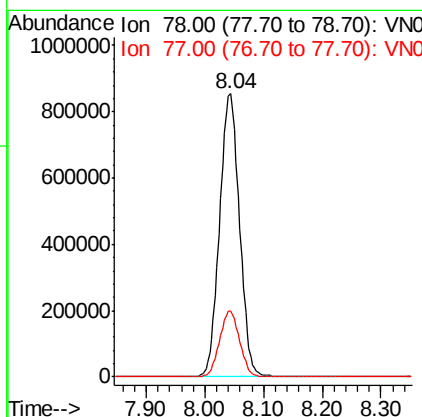
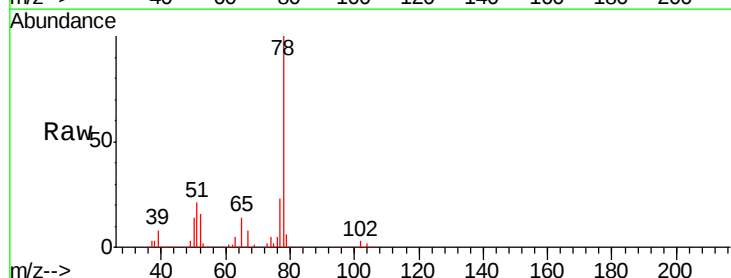
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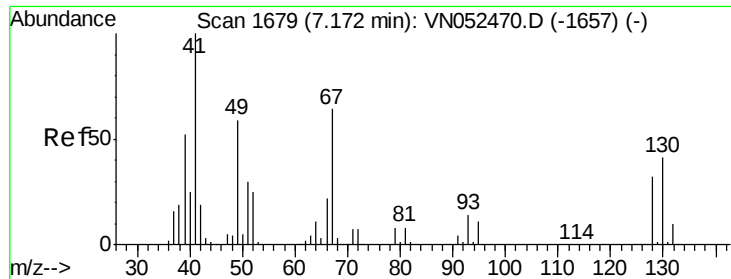
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#40
Benzene
Concen: 49.597 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





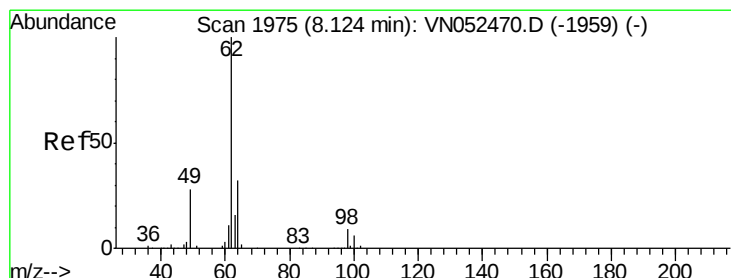
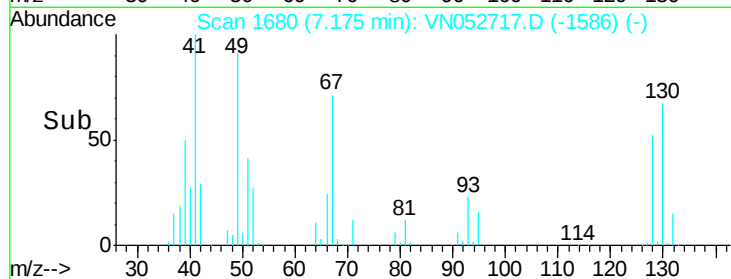
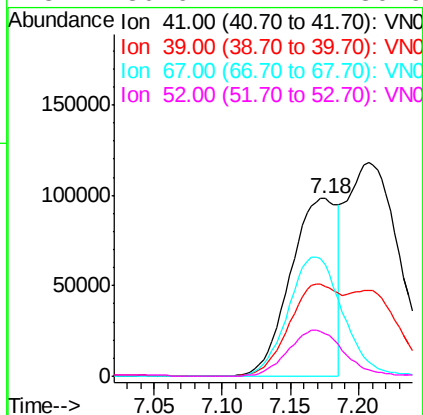
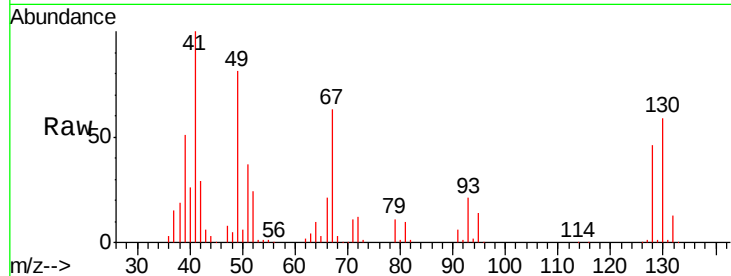
#41
Methacrylonitrile
Concen: 51.658 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	232732
Ion	Ratio	Lower	Upper
41	100		
39	55.5	50.9	76.3
67	79.1	63.6	95.4
52	30.6	24.4	36.6

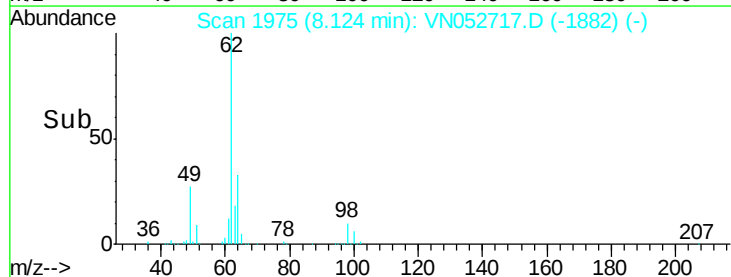
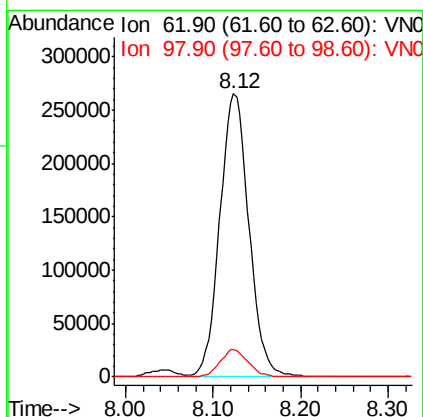
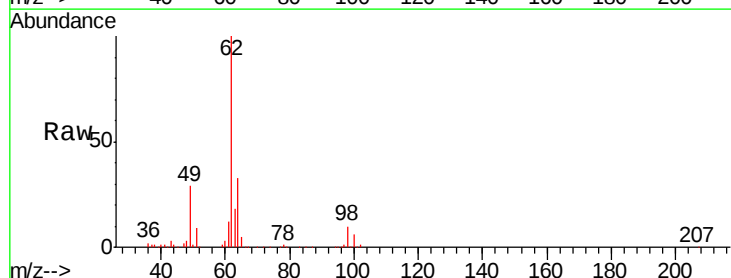
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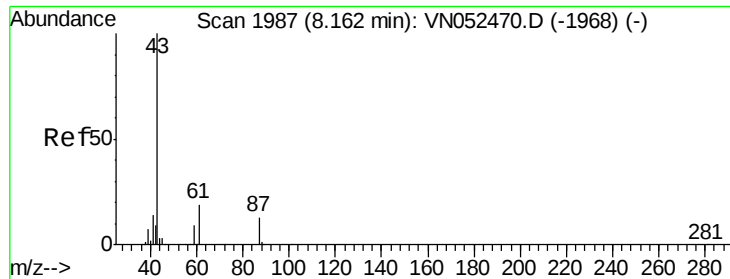
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#42
1,2-Dichloroethane
Concen: 50.149 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Tgt Ion:	62	Resp:	611035
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6





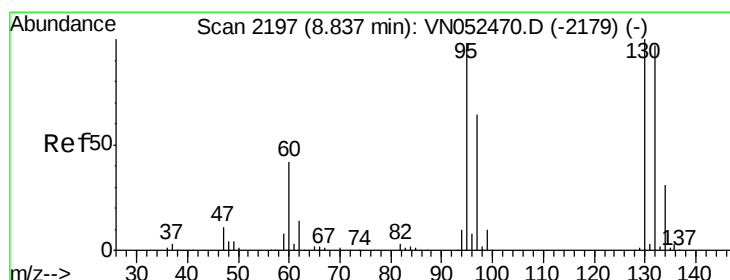
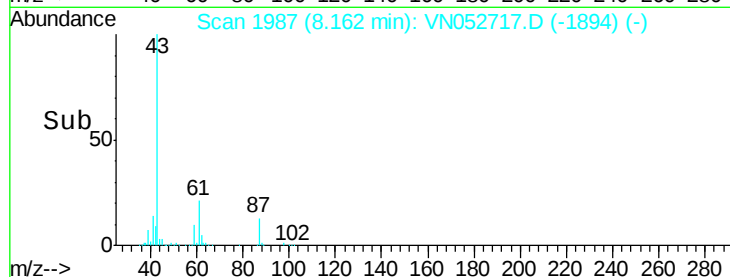
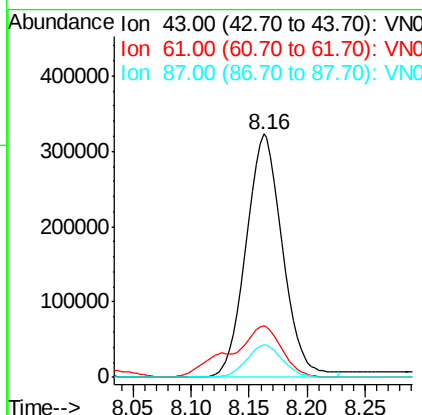
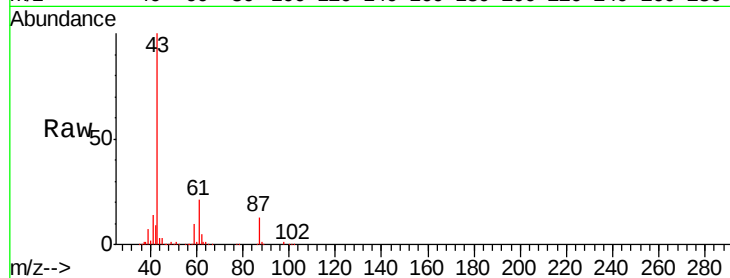
#43
Isopropyl Acetate
Concen: 50.689 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.2	24.1	36.1#
87	13.3	10.6	15.8

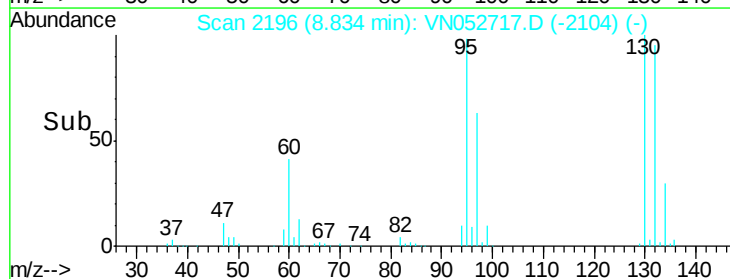
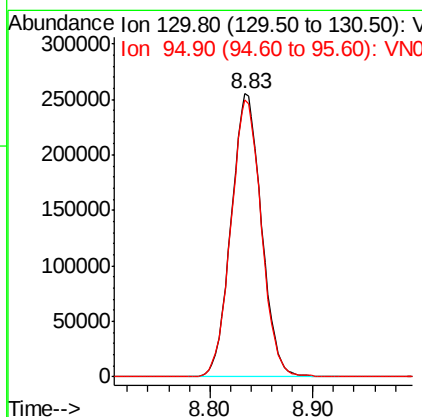
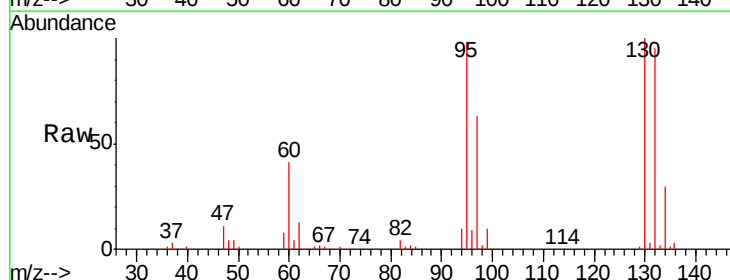
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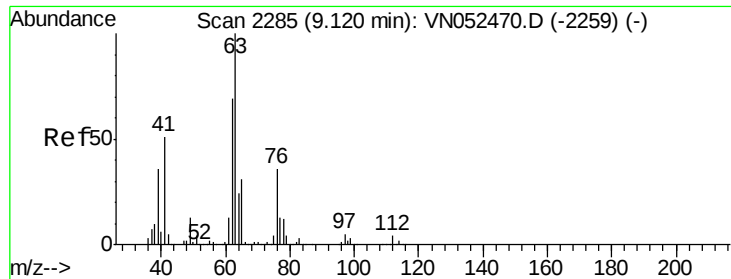
MMDadoda
12/10/2018 12:50:31 PM



#44
Trichloroethene
Concen: 50.549 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	195.6





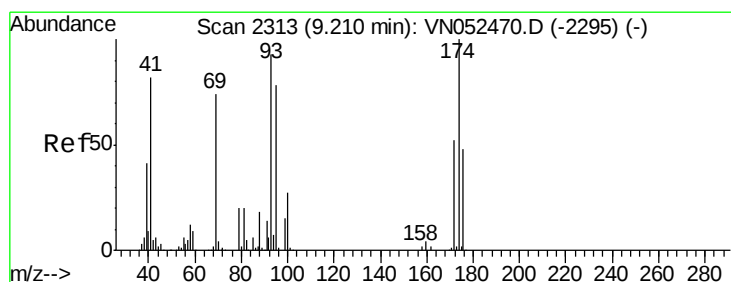
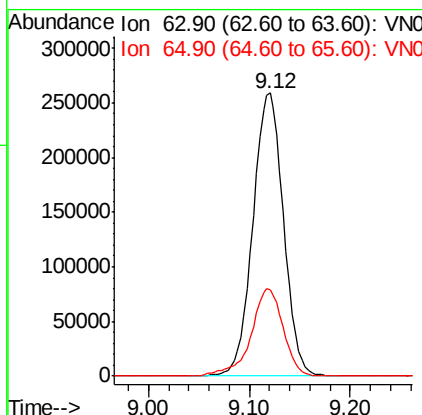
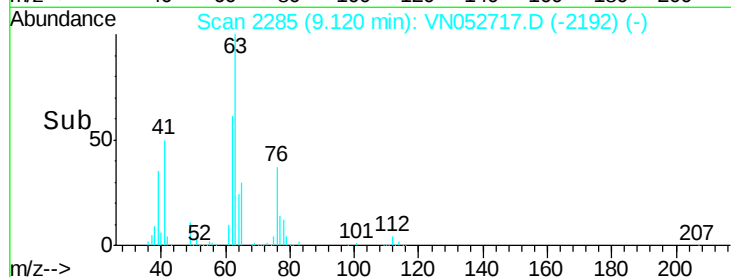
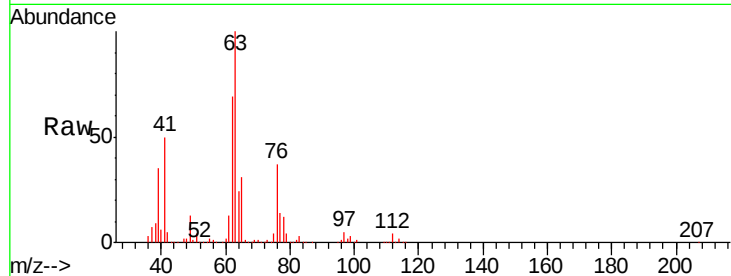
#45
 1,2-Dichloropropane
 Concen: 50.757 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 543026
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.6

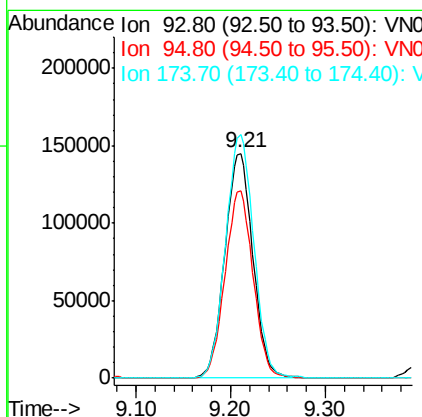
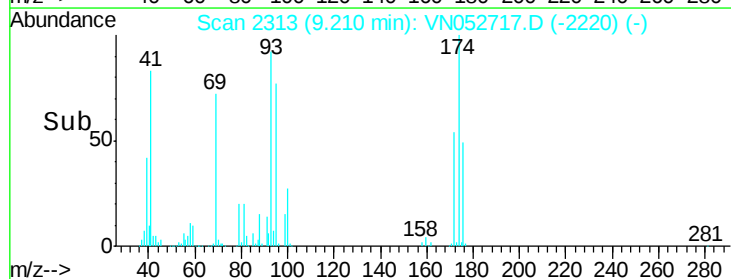
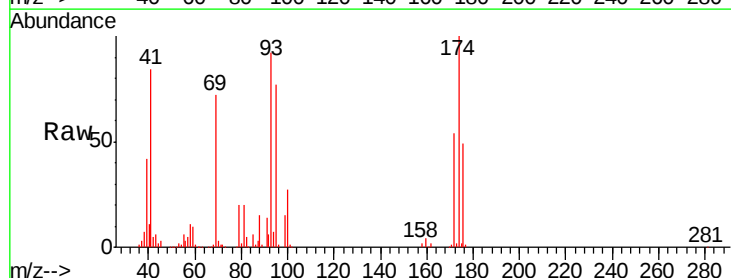
Manual Integrations
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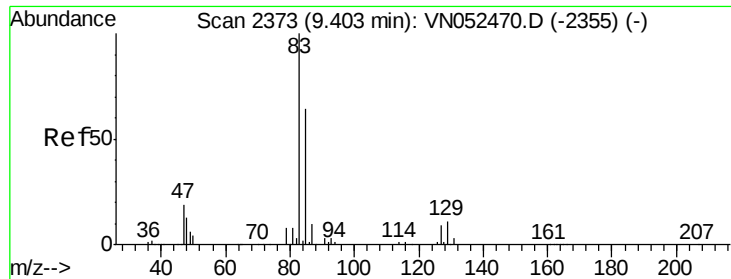
MMDadoda
 12/10/2018 12:50:31 PM



#46
 Dibromomethane
 Concen: 50.630 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Tgt Ion: 93 Resp: 299862
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.1 100.7
 174 108.9 85.8 128.8





#47

Bromodichloromethane

Concen: 51.625 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Instrument :

MSVOA_N

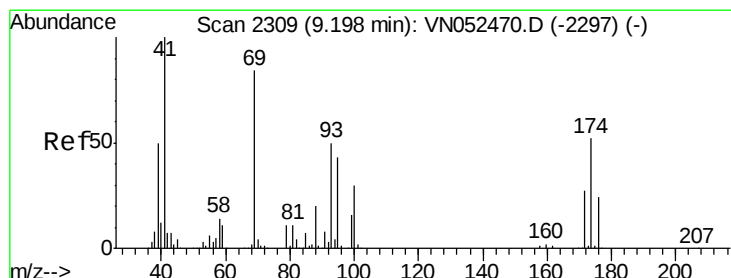
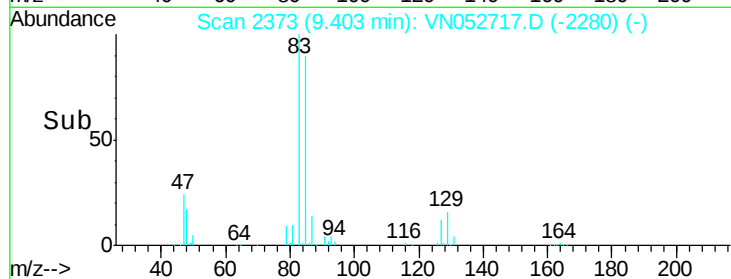
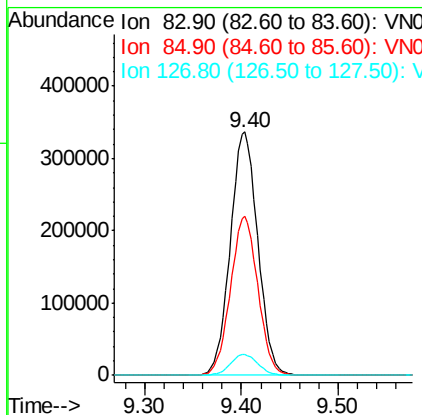
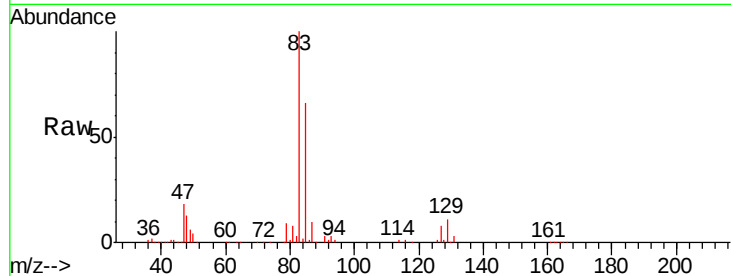
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	664764
Ion Ratio	Lower	Upper	
83	100		
85	65.6	51.3	76.9
127	8.5	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.212 ug/l

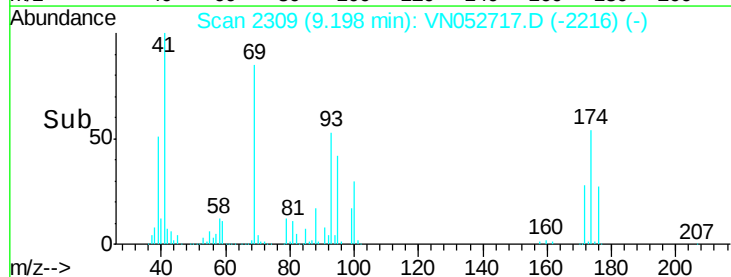
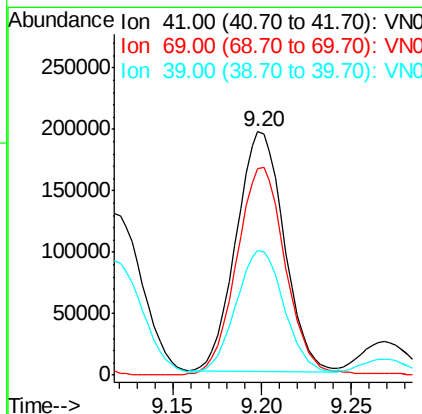
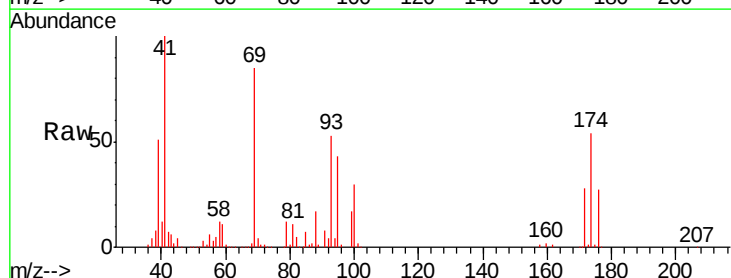
RT: 9.20 min Scan# 2309

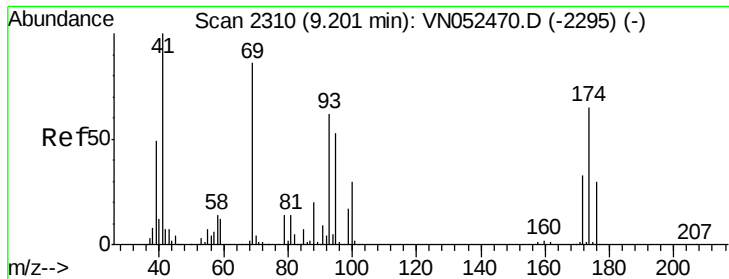
Delta R.T. 0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Tgt Ion:	41	Resp:	365125
Ion Ratio	Lower	Upper	
41	100		
69	89.2	70.0	105.0
39	53.2	42.6	64.0





#49

1,4-Dioxane

Concen: 940.774 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Instrument :

MSVOA_N

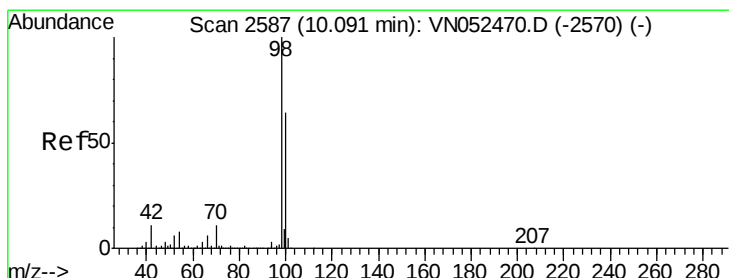
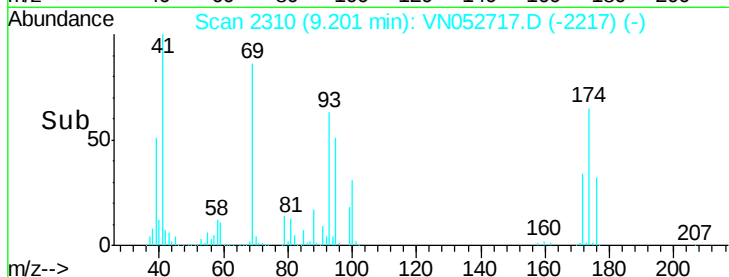
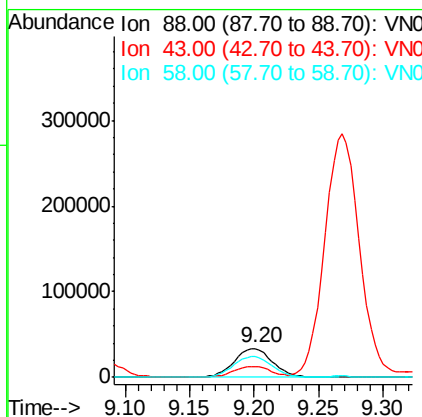
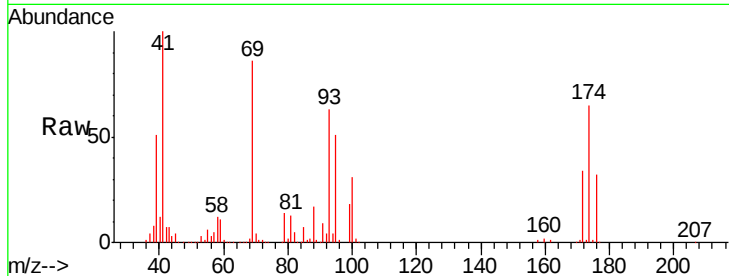
ClientSampleId :

VSTDCCC050

Tgt Ion:	88	Resp:	70998
Ion	Ratio	Lower	Upper
88	100		
43	34.6	26.4	39.6
58	72.9	55.4	83.0

Manual Integrations
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#50

Toluene-d8

Concen: 940.774 ug/l

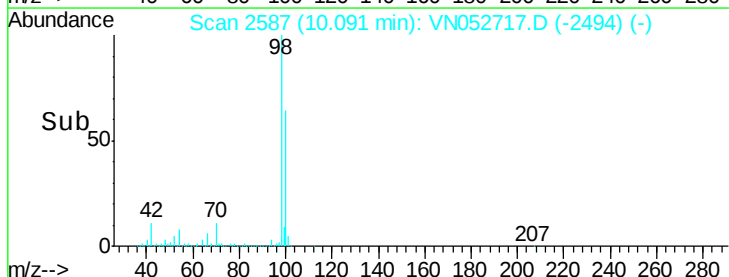
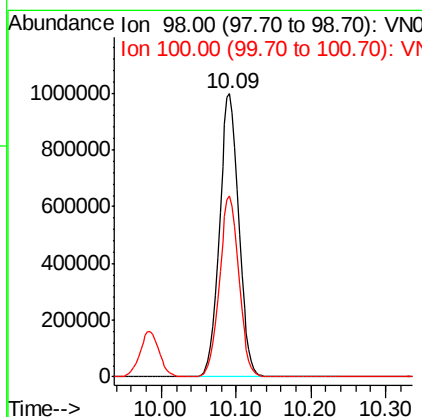
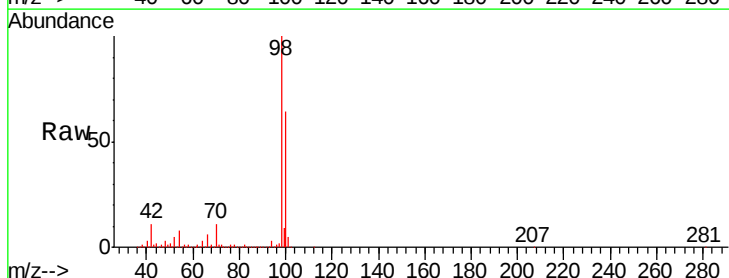
RT: 10.09 min Scan# 2587

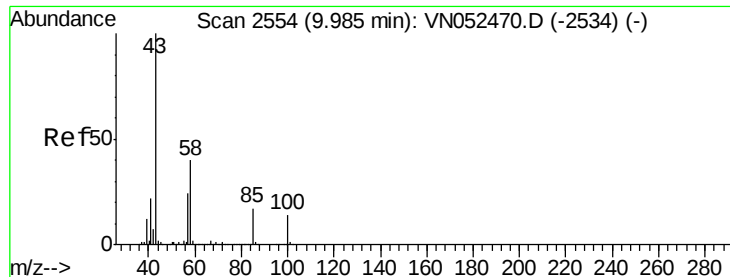
Delta R.T. -0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Tgt Ion:	98	Resp:	1772794
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.3	76.9





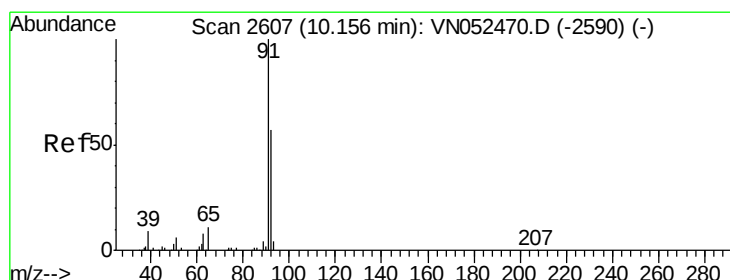
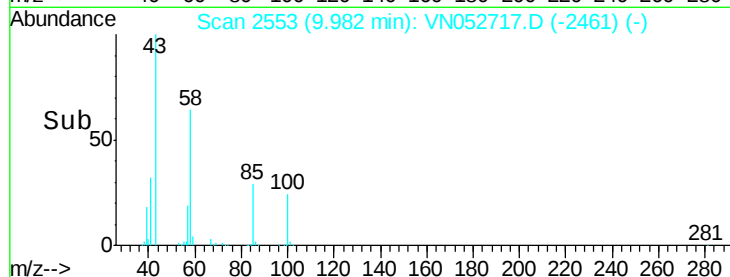
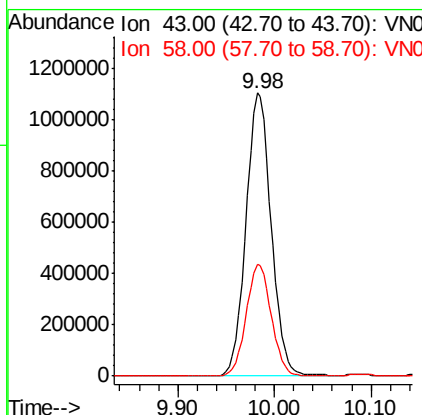
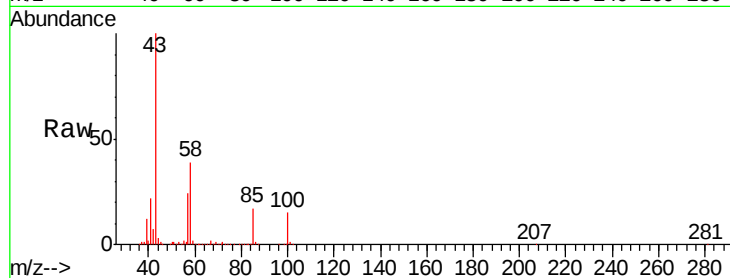
#51
4-Methyl-2-Pentanone
Concen: 254.240 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1989301
Ion Ratio Lower Upper
43 100
58 39.6 31.5 47.3

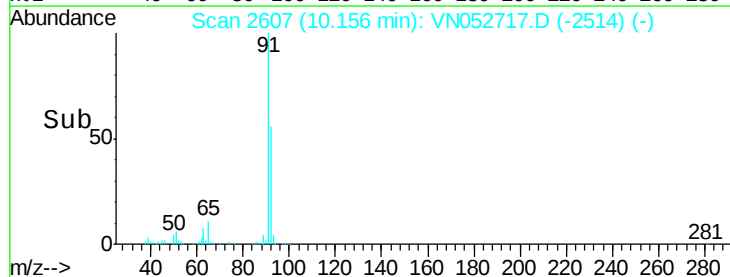
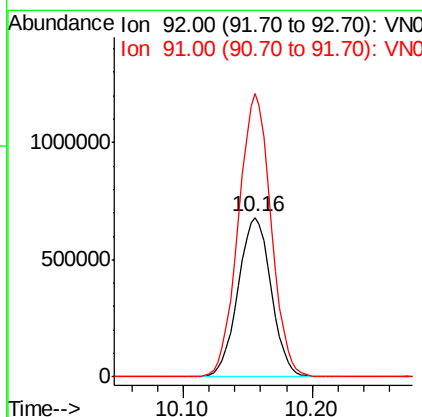
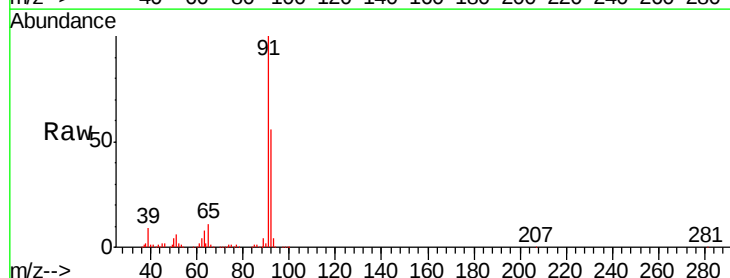
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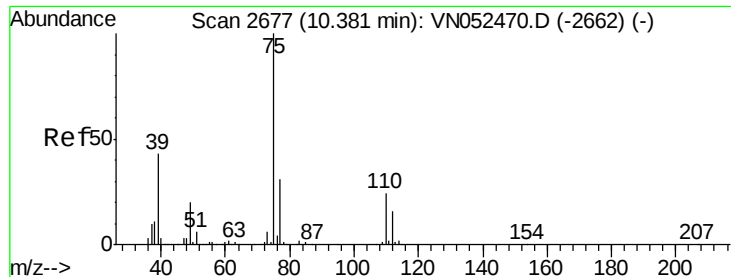
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#52
Toluene
Concen: 50.763 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Tgt Ion: 92 Resp: 1213685
Ion Ratio Lower Upper
92 100
91 175.4 141.0 211.4





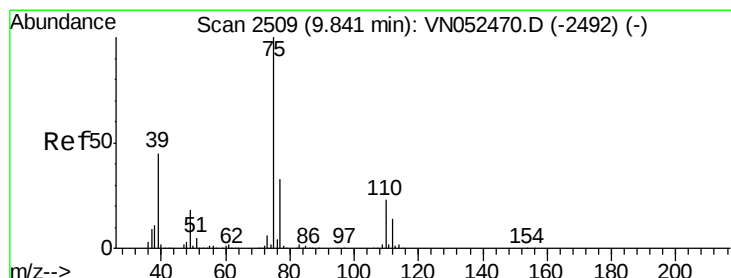
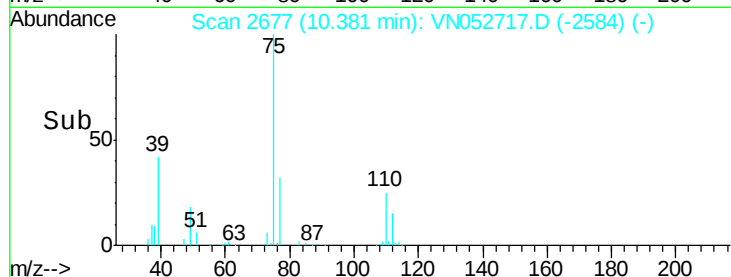
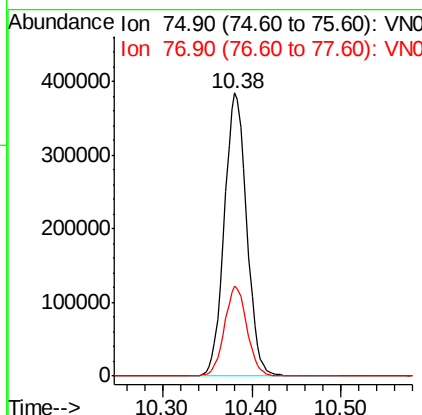
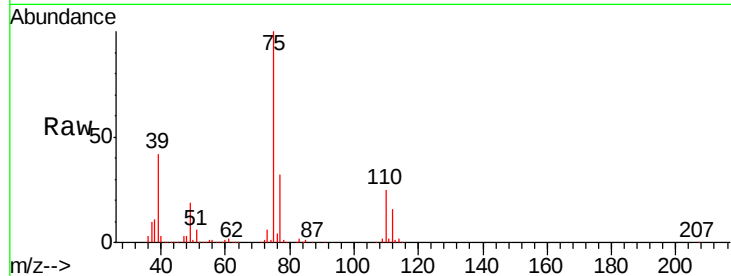
#53
t-1,3-Dichloropropene
Concen: 53.919 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 667935
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.4

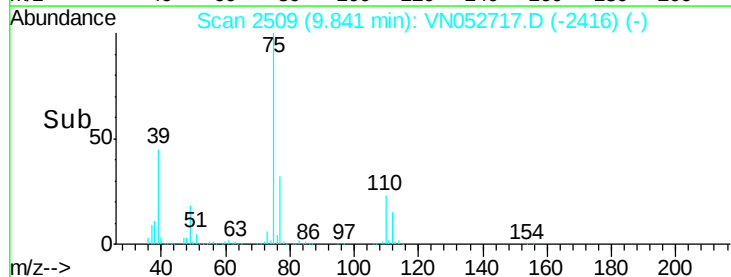
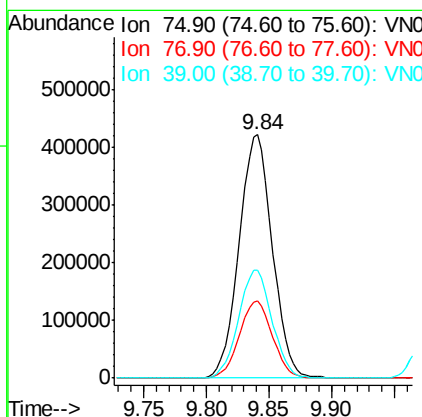
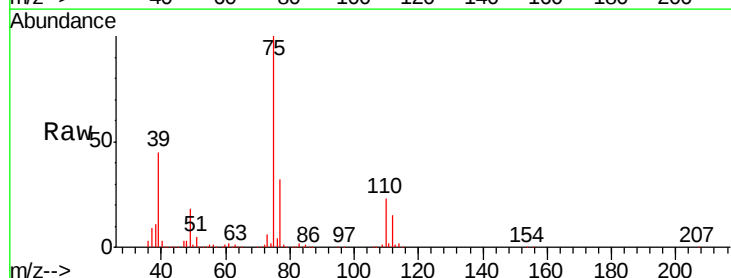
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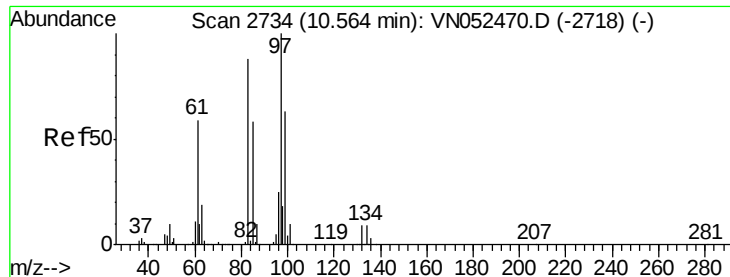
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#54
cis-1,3-Dichloropropene
Concen: 52.491 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Tgt Ion: 75 Resp: 779226
Ion Ratio Lower Upper
75 100
77 31.8 26.2 39.2
39 44.5 36.0 54.0





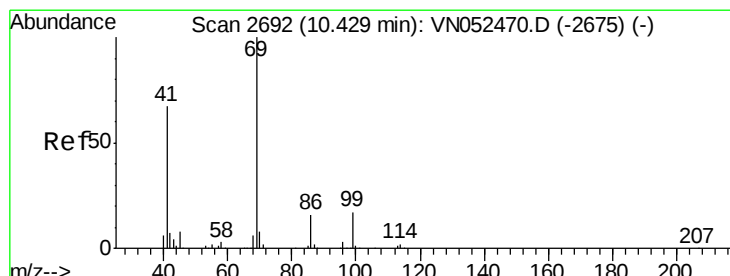
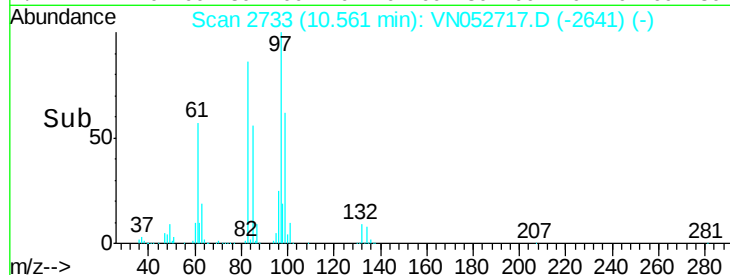
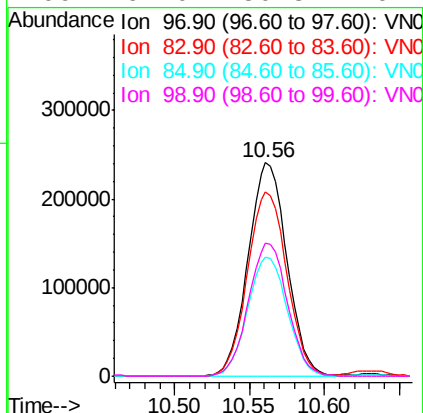
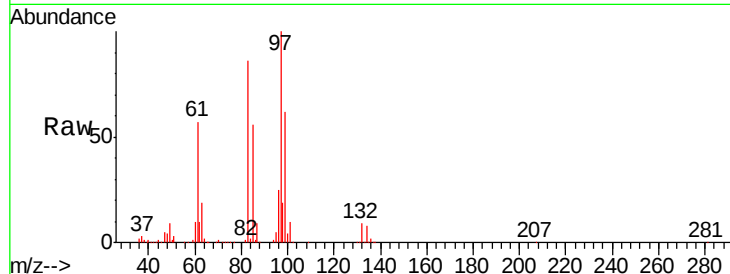
#55
 1,1,2-Trichloroethane
 Concen: 51.765 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.7	106.1
85	55.9	46.1	69.1
99	62.0	50.8	76.2

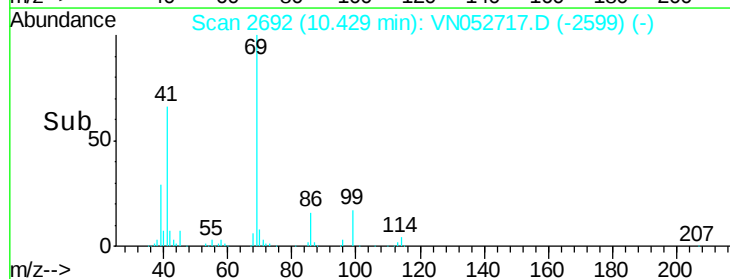
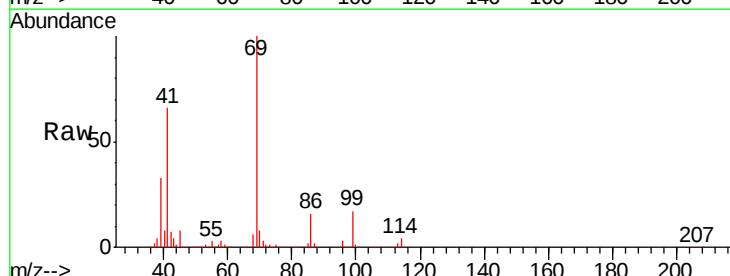
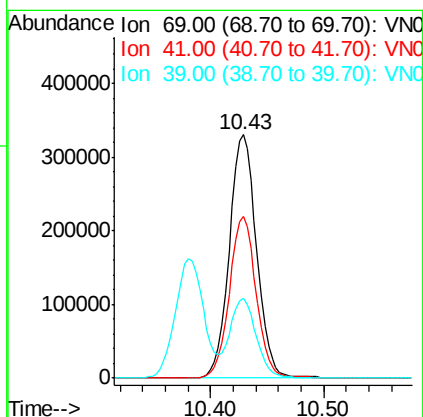
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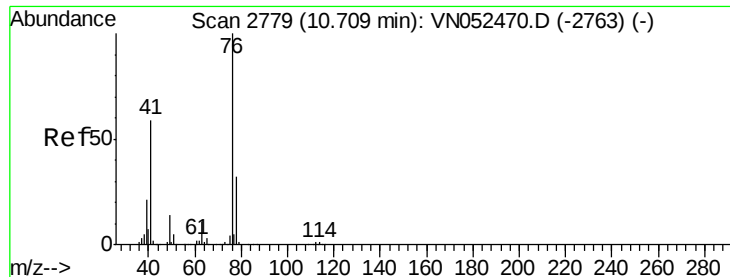
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 47.498 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.5	52.6	79.0
39	31.9	25.9	38.9





#57

1,3-Dichloropropane

Concen: 50.399 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 748417

Ion Ratio Lower Upper

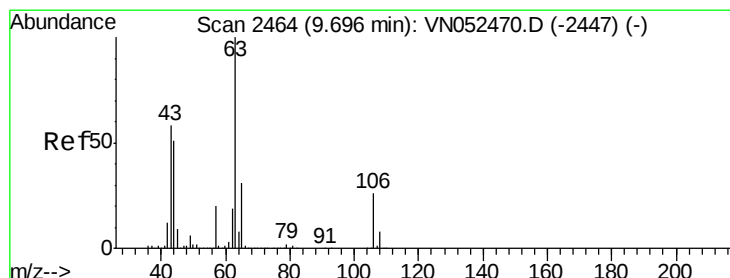
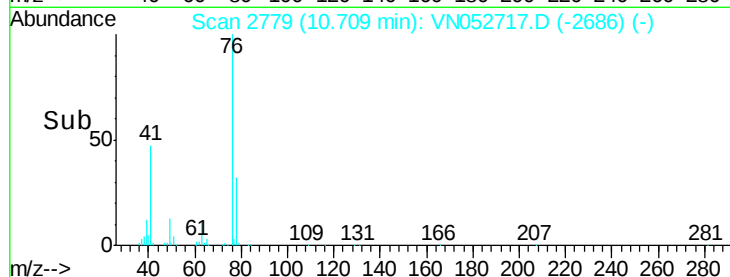
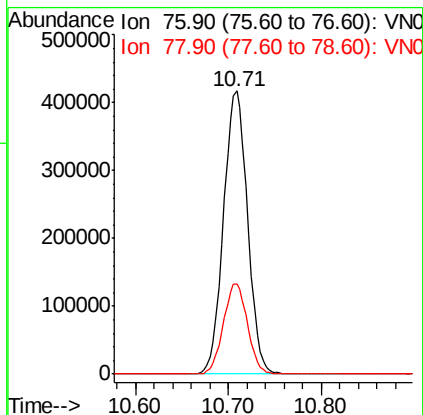
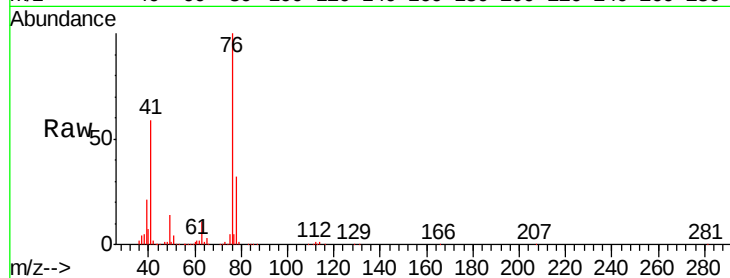
76 100

78 32.2 25.6 38.4

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 261.372 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052717.D

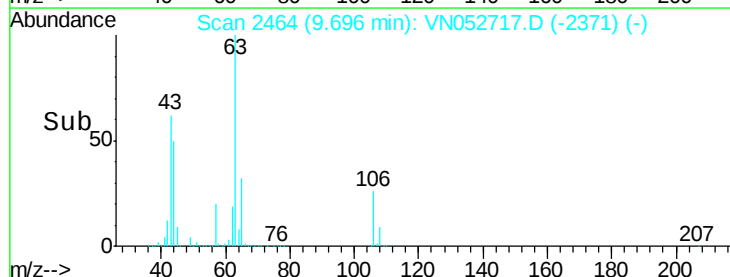
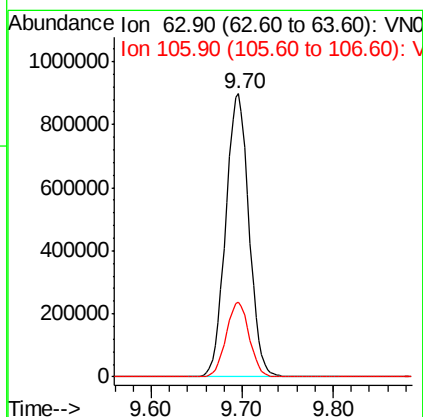
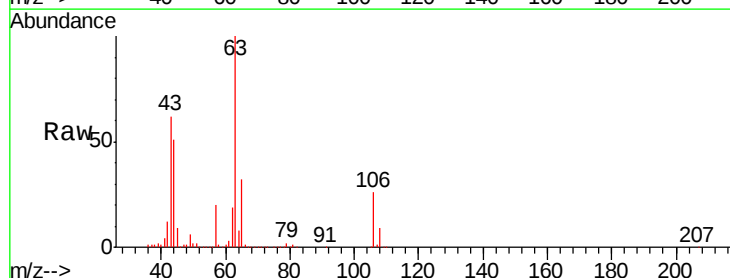
Acq: 7 Dec 2018 10:47

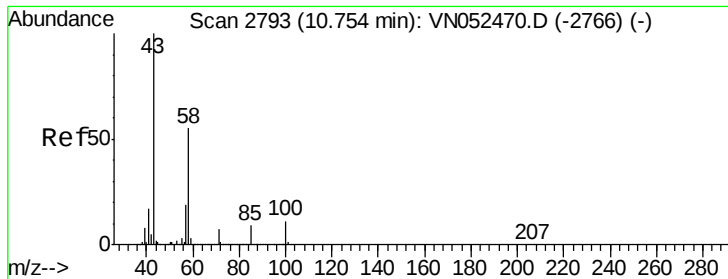
Tgt Ion: 63 Resp: 1595033

Ion Ratio Lower Upper

63 100

106 26.2 20.6 30.8





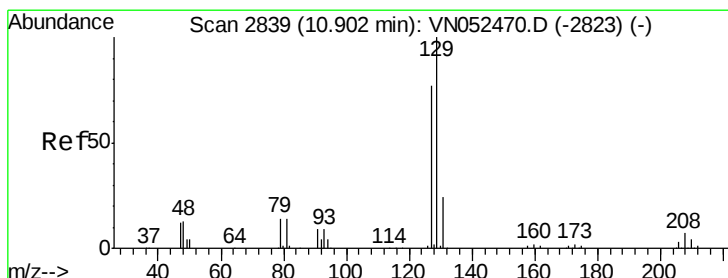
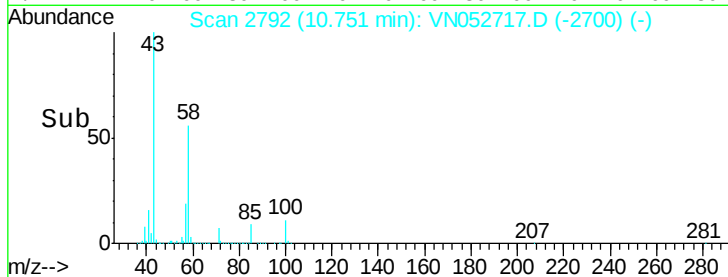
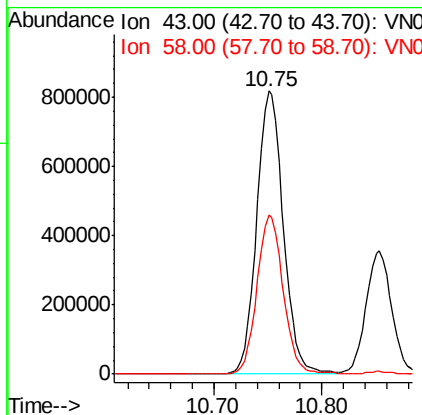
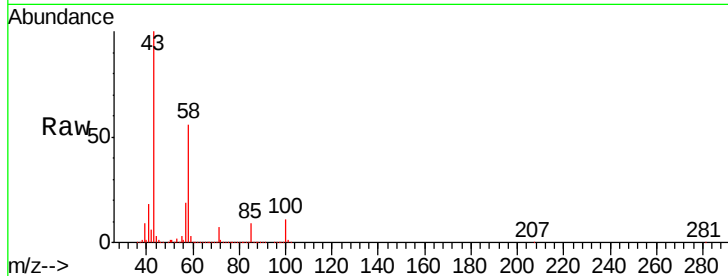
#59
2-Hexanone
Concen: 265.848 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1396084
Ion Ratio Lower Upper
43 100
58 55.6 27.4 82.0

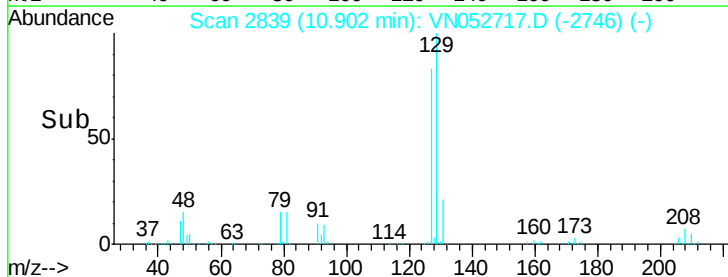
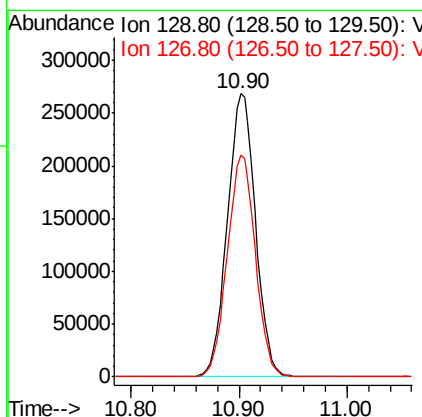
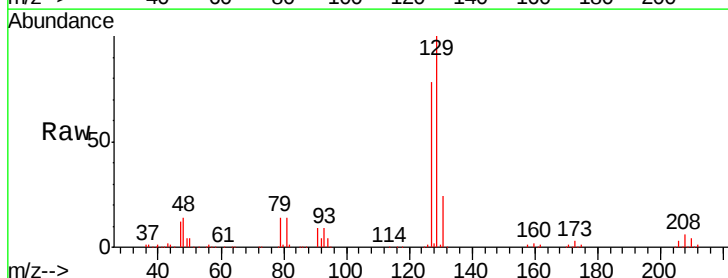
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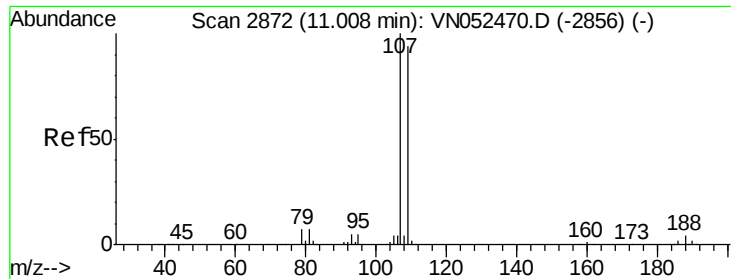
MMDadoda
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#60
Dibromochloromethane
Concen: 53.380 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Tgt Ion: 129 Resp: 487581
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.6





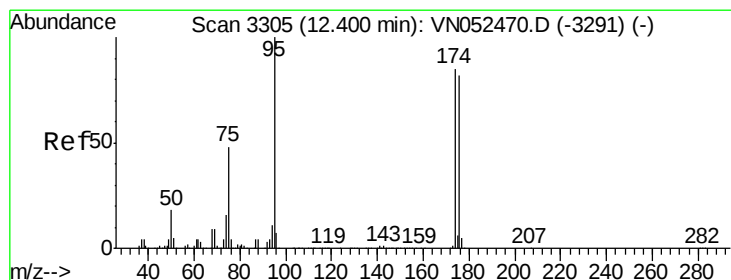
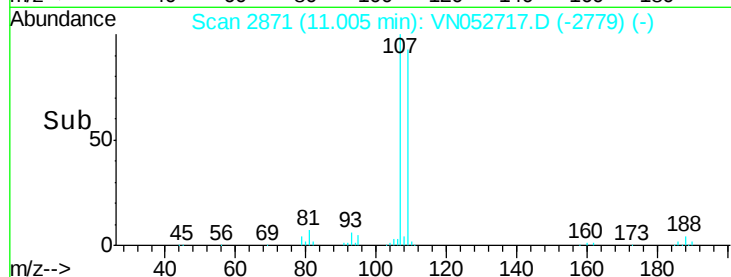
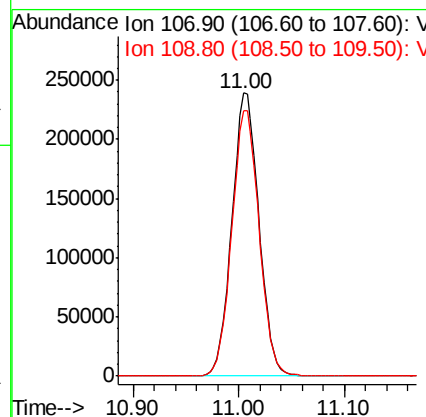
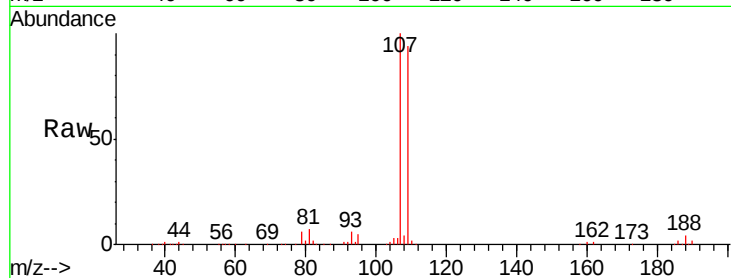
#61
 1,2-Dibromoethane
 Concen: 50.706 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 423546
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.6 113.4

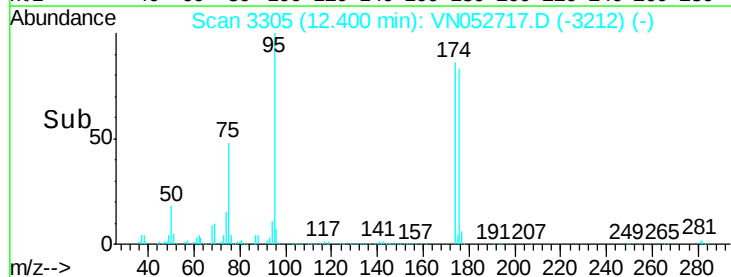
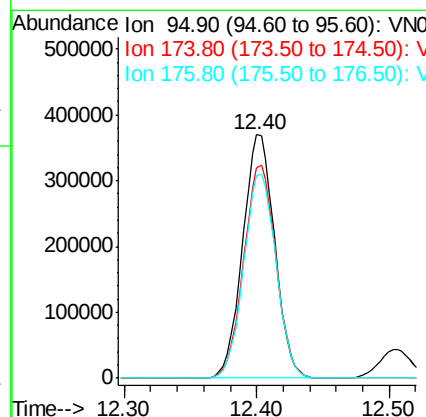
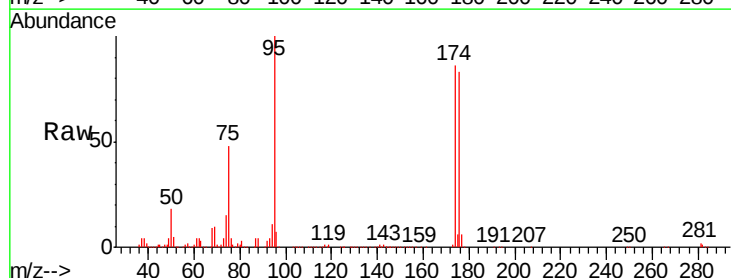
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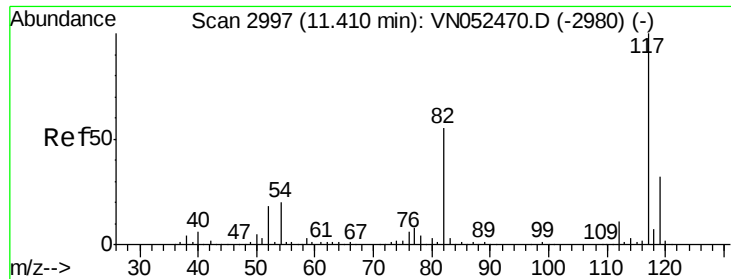
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 50.706 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Tgt Ion: 95 Resp: 619602
 Ion Ratio Lower Upper
 95 100
 174 87.8 0.0 173.0
 176 84.8 0.0 166.2





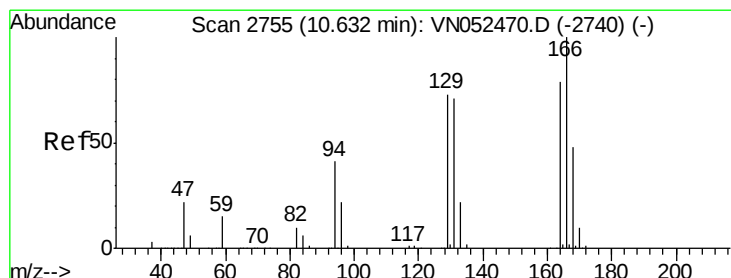
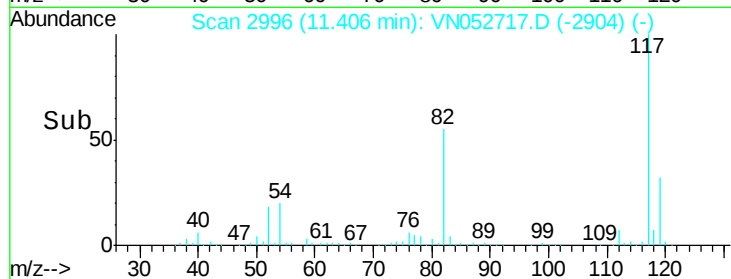
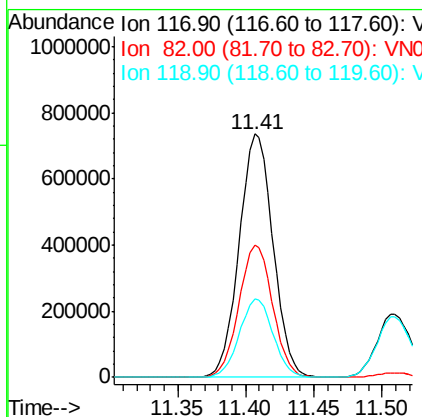
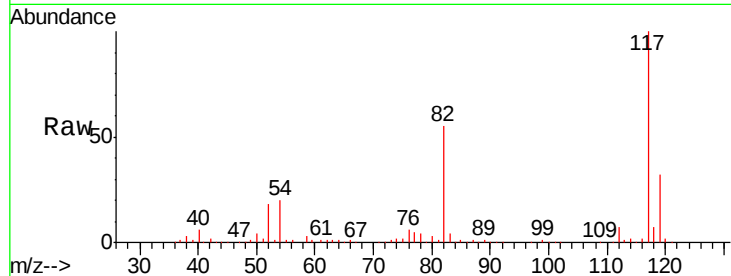
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 1270483
Ion Ratio Lower Upper
117 100
82 54.6 43.6 65.4
119 32.0 25.4 38.2

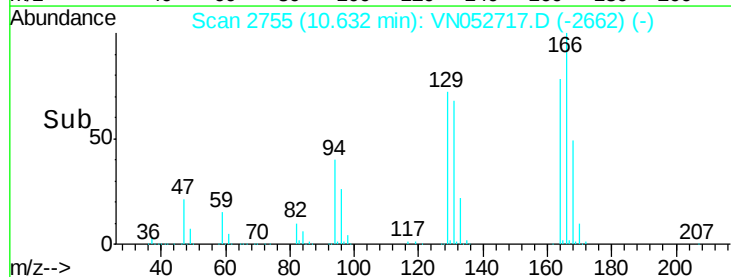
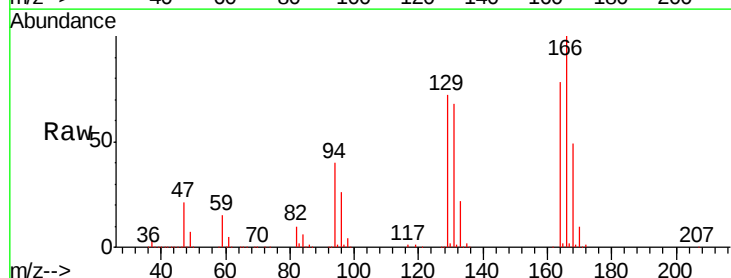
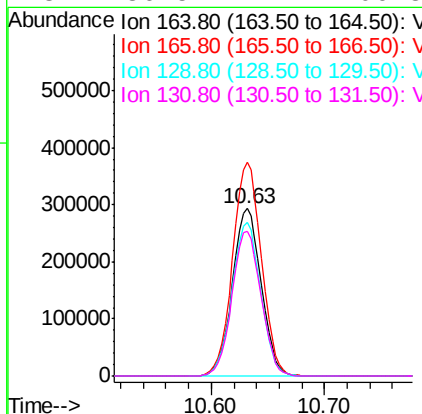
Manual Integrations
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#64
Tetrachloroethene
Concen: 52.627 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Tgt Ion:164 Resp: 518394
Ion Ratio Lower Upper
164 100
166 127.5 101.0 151.4
129 91.4 73.8 110.6
131 86.5 71.2 106.8





#65

Chlorobenzene

Concen: 51.416 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 1346962

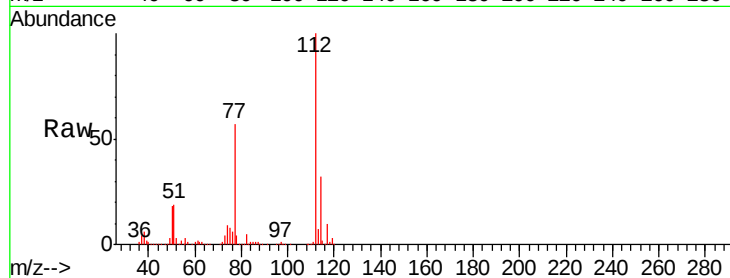
Ion Ratio Lower Upper

112 100

114 32.0 25.8 38.6

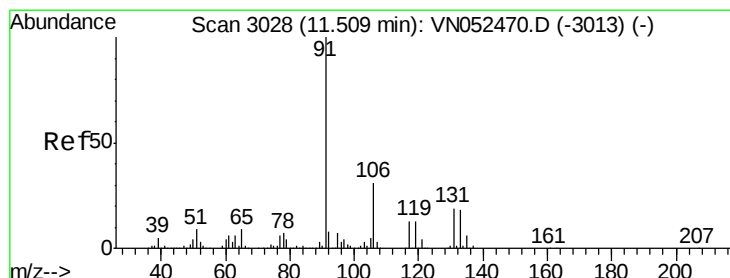
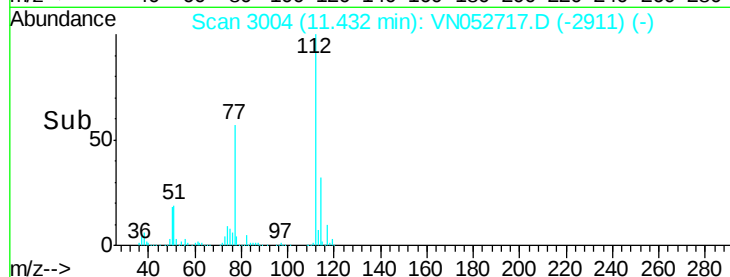
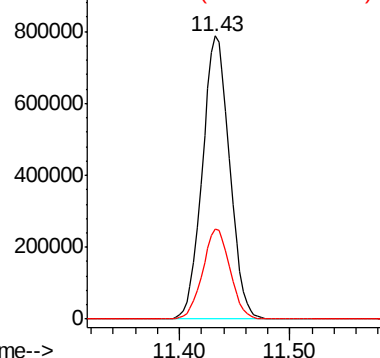
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.638 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

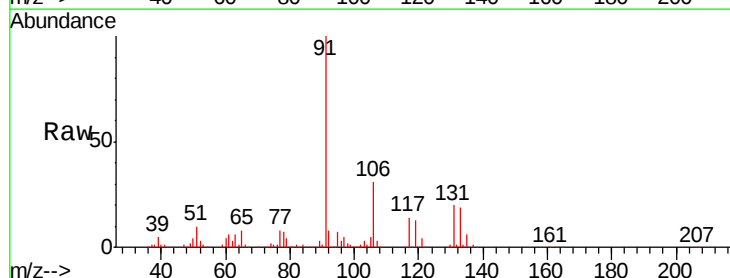
Tgt Ion:131 Resp: 479472

Ion Ratio Lower Upper

131 100

133 95.6 47.6 142.8

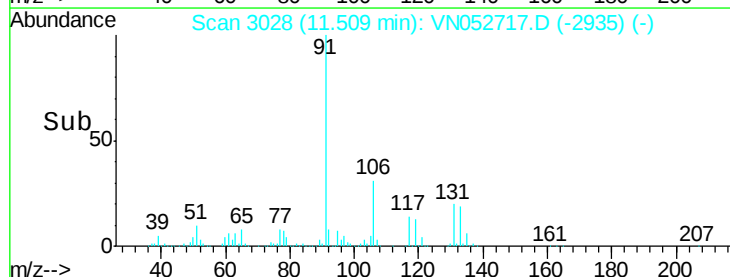
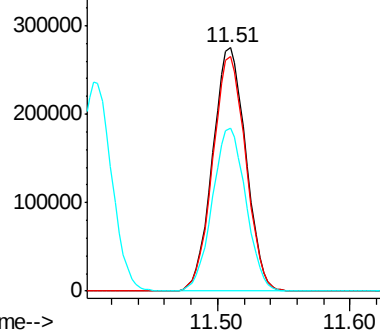
119 67.4 33.2 99.6

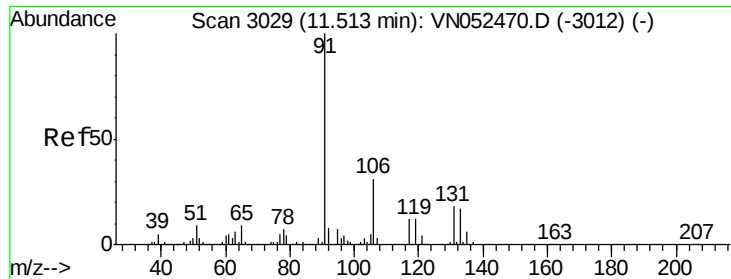


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.594 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 2366925

Ion Ratio Lower Upper

91 100

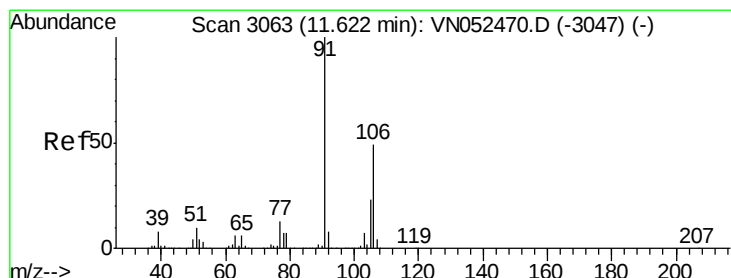
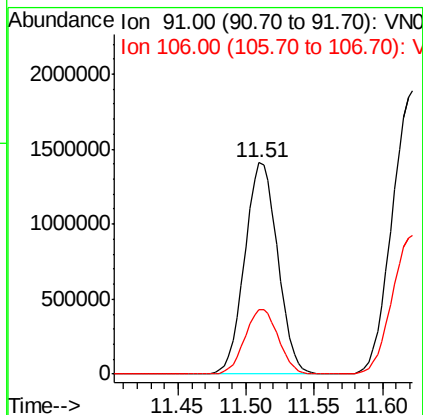
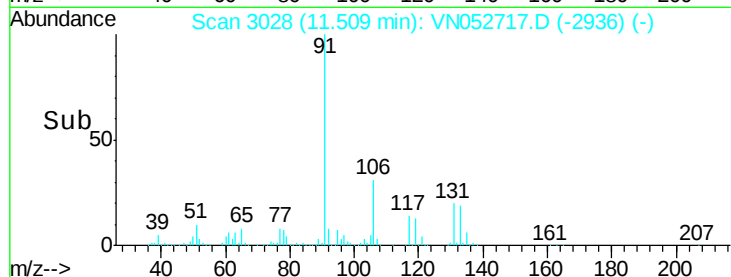
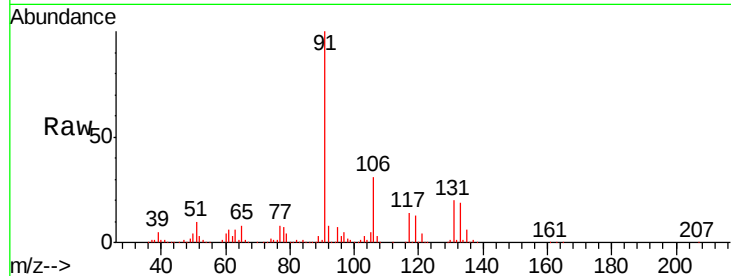
106 30.7 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 104.431 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052717.D

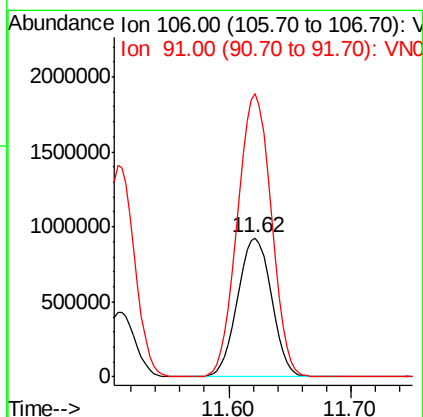
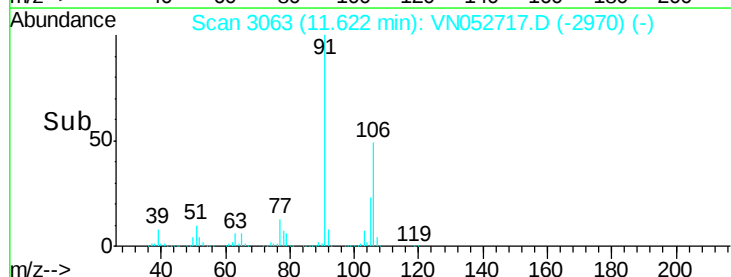
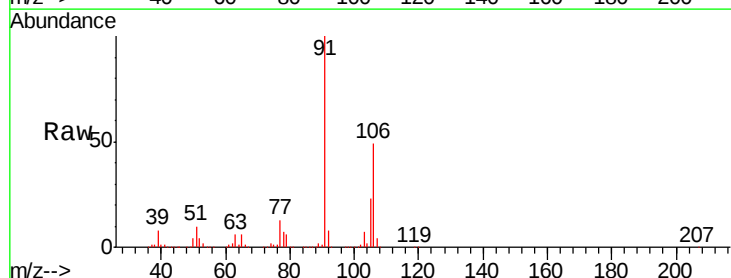
Acq: 7 Dec 2018 10:47

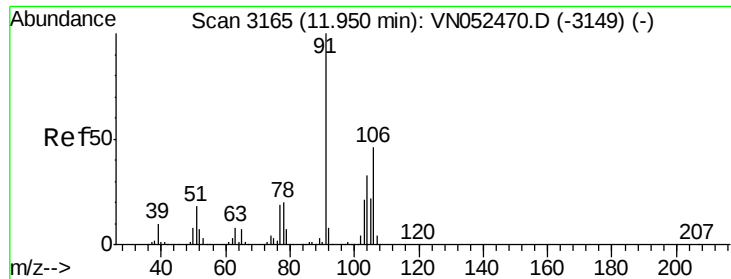
Tgt Ion: 106 Resp: 1783521

Ion Ratio Lower Upper

106 100

91 203.4 163.2 244.8





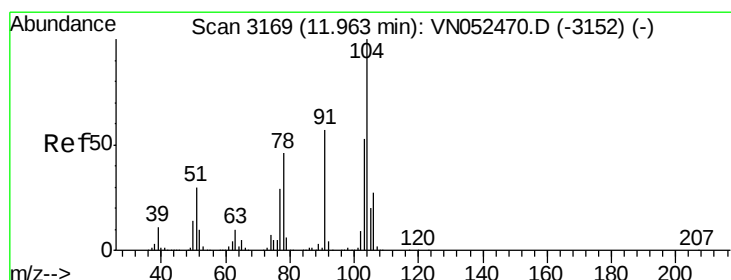
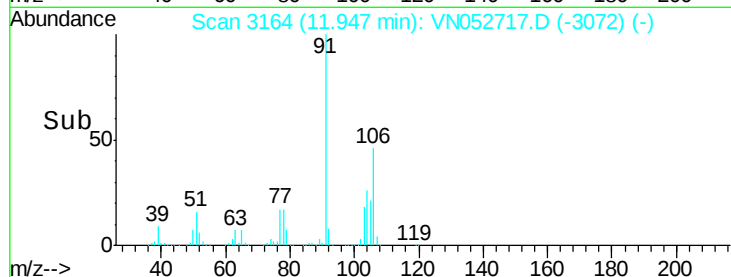
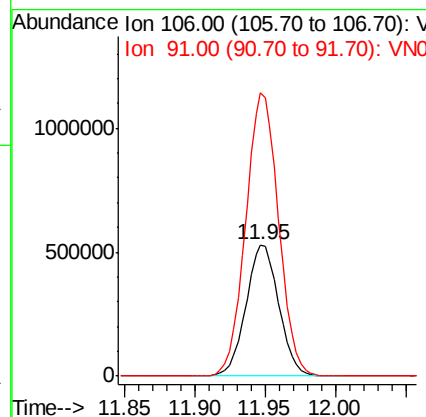
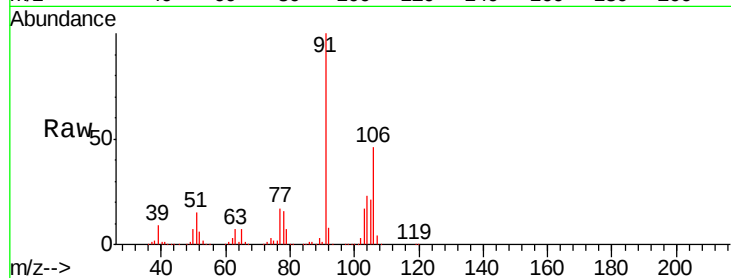
#69
o-Xylene
Concen: 51.946 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 861501
Ion Ratio Lower Upper
106 100
91 217.0 107.7 323.1

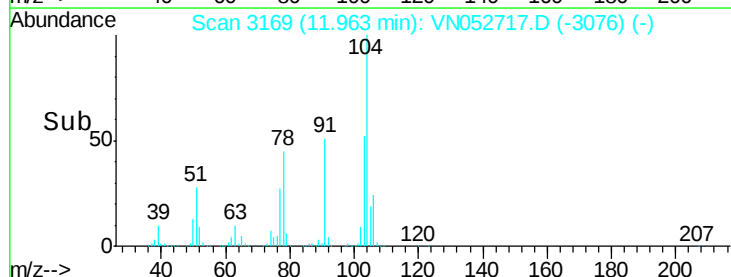
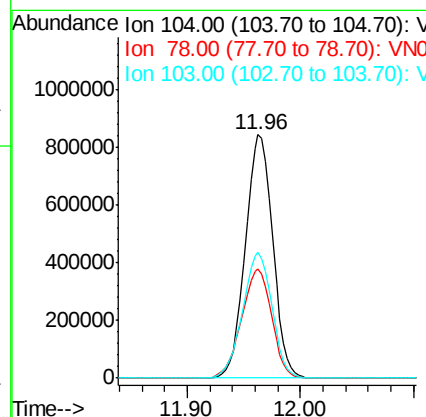
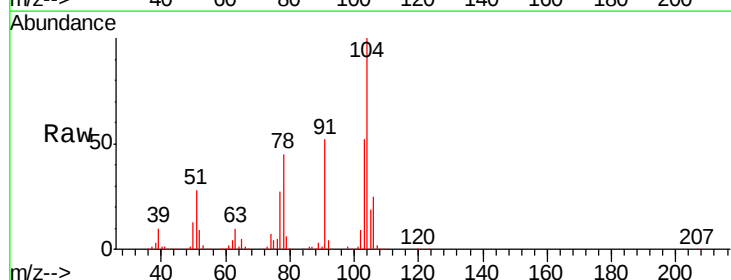
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#70
Styrene
Concen: 53.928 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Tgt Ion:104 Resp: 1424538
Ion Ratio Lower Upper
104 100
78 49.2 39.4 59.2
103 55.4 44.9 67.3





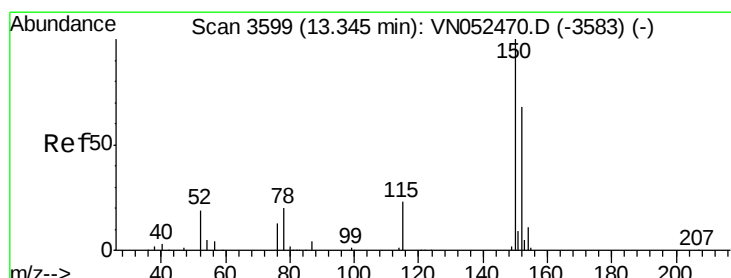
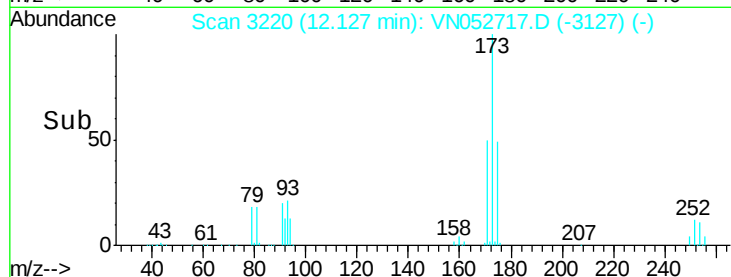
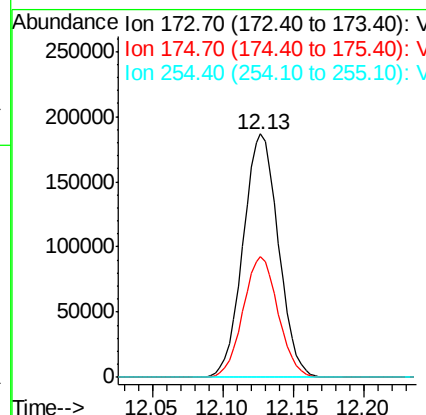
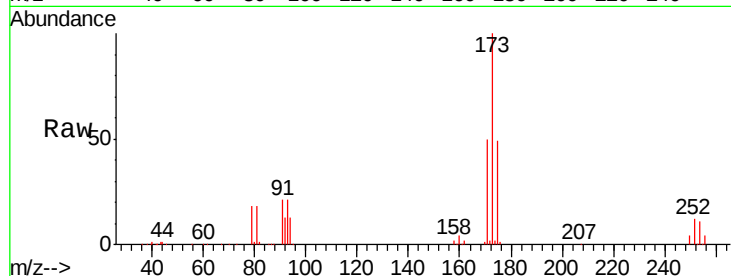
#71
Bromoform
Concen: 54.308 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.4	73.2
254	0.1	0.1	0.1

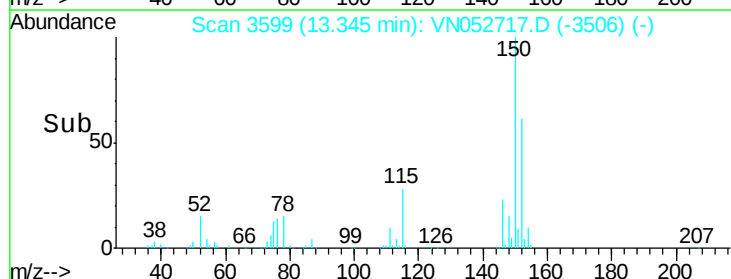
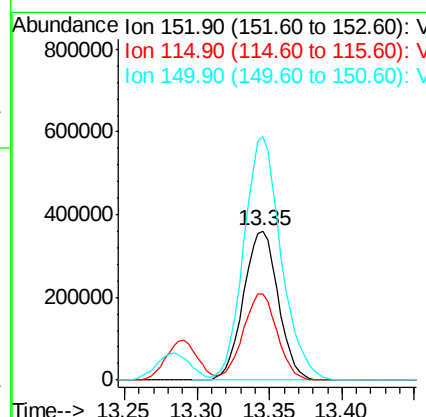
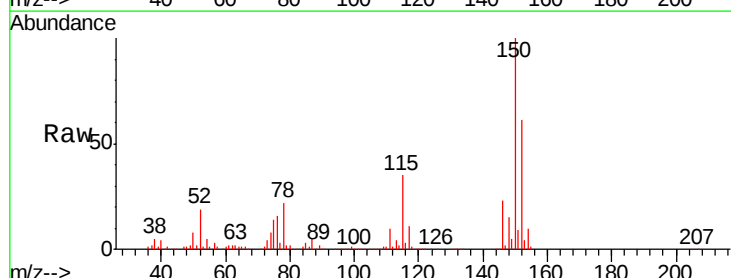
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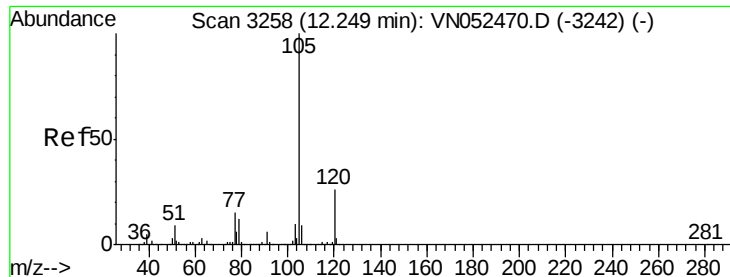
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.4	85.2
150	175.6	0.0	346.0





#73

Isopropylbenzene

Concen: 50.038 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 2354380

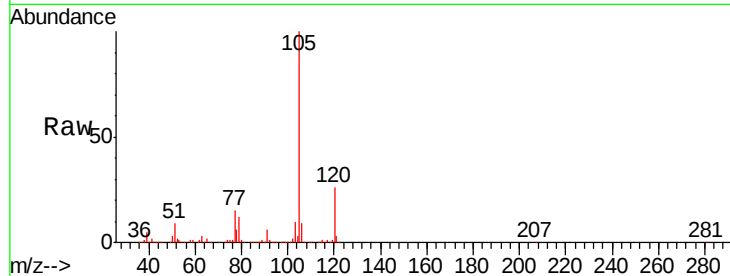
Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.3

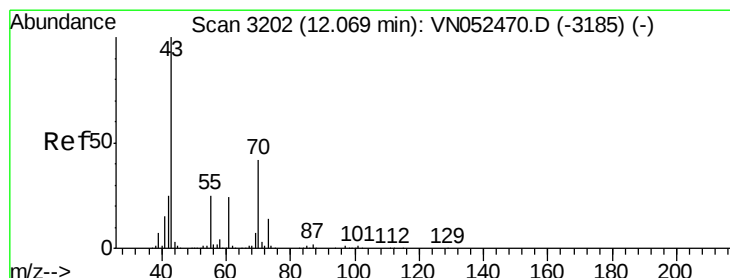
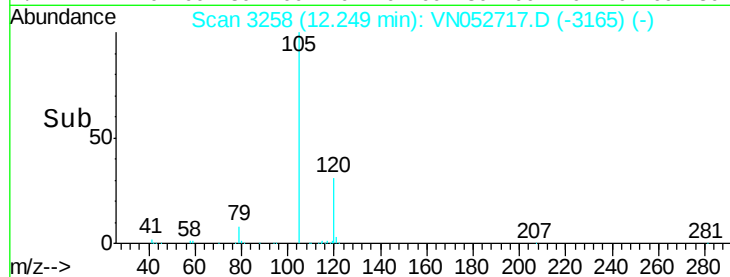
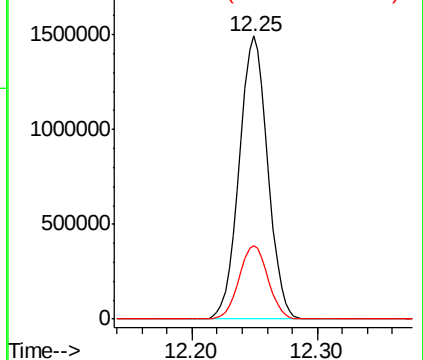
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.104 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Tgt Ion: 43 Resp: 595596

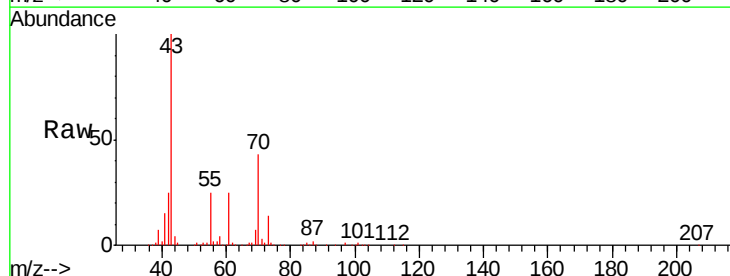
Ion Ratio Lower Upper

43 100

70 43.3 33.8 50.8

55 25.2 20.0 30.0

61 24.8 19.7 29.5

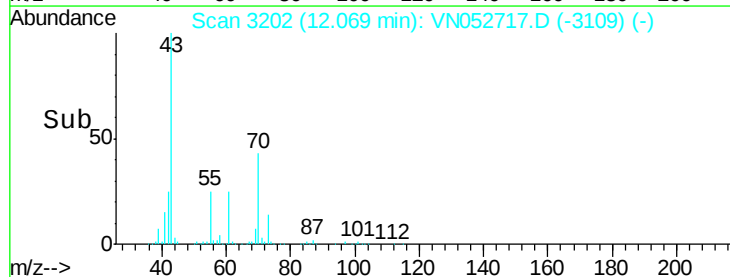
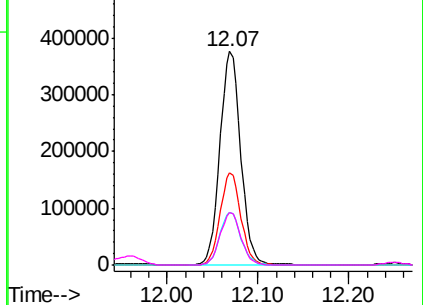


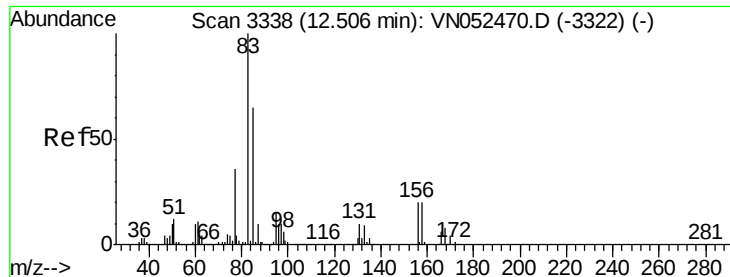
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.170 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 515587
Ion Ratio Lower Upper

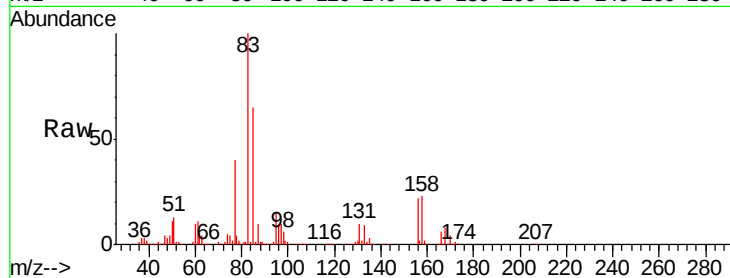
83 100

131 10.2 5.0 15.0

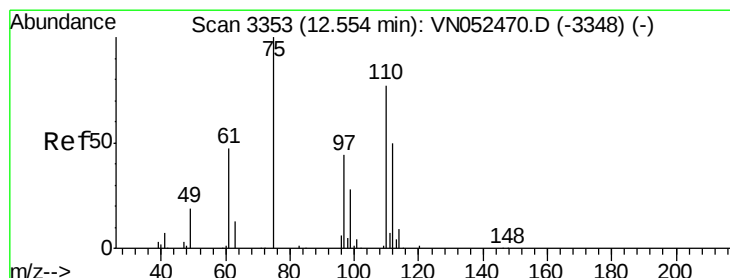
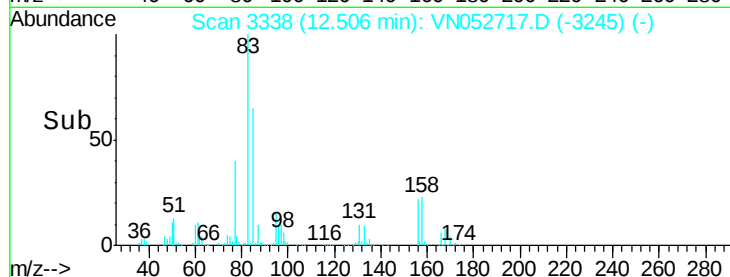
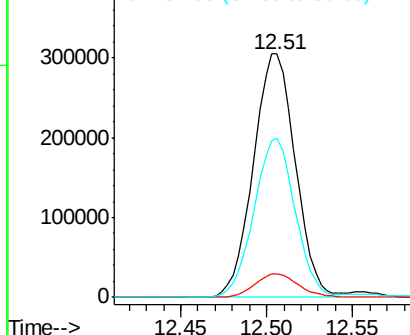
85 64.2 31.9 95.9

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Abundance Ion 82.90 (82.60 to 83.60): VN052717.D (-3245) (-)
Ion 130.80 (130.50 to 131.50): VN052717.D (-3245) (-)
Ion 84.90 (84.60 to 85.60): VN052717.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 46.646 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

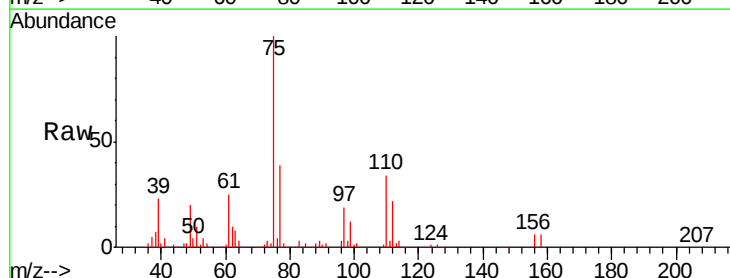
Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

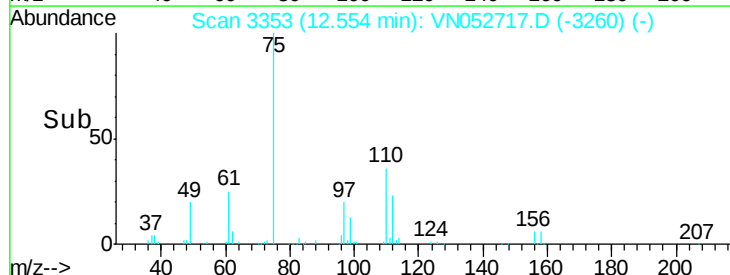
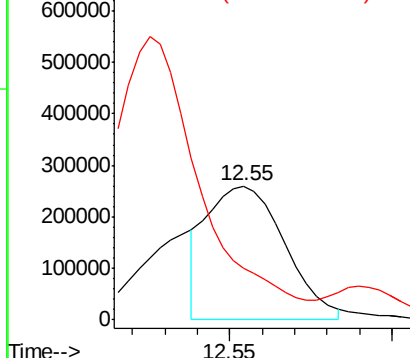
Tgt Ion: 75 Resp: 431387
Ion Ratio Lower Upper

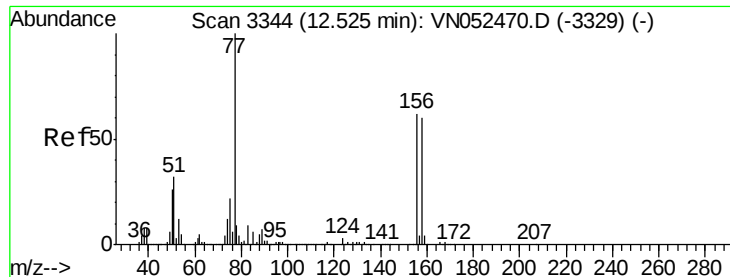
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052717.D (-3260) (-)
Ion 77.00 (76.70 to 77.70): VN052717.D (-3260) (-)





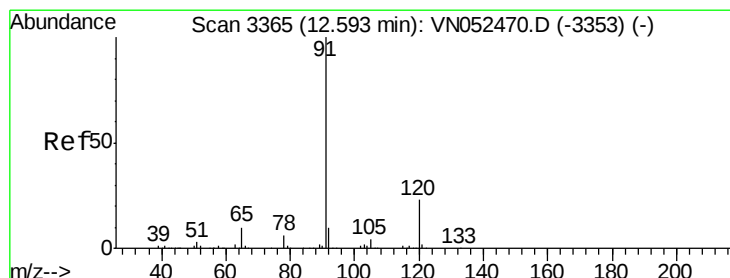
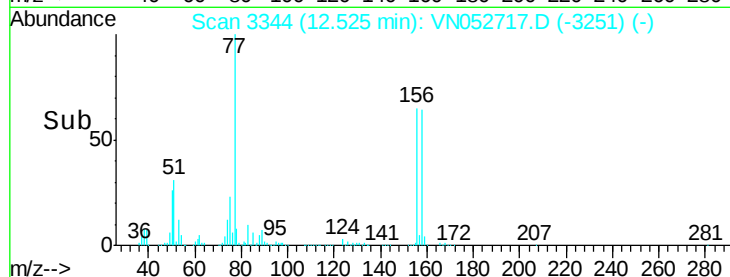
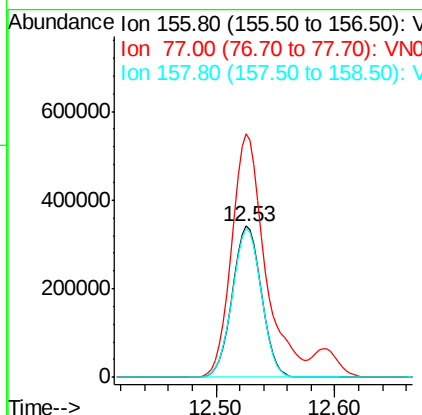
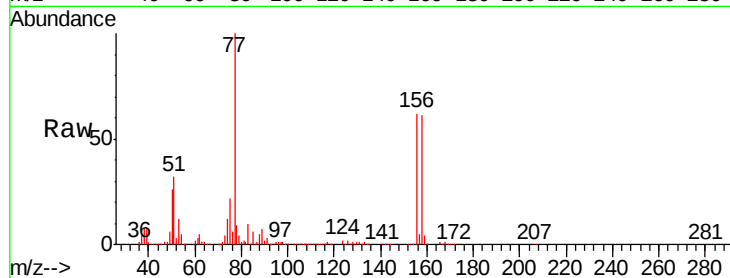
#77
Bromobenzene
Concen: 49.737 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	183.5	93.5	280.4
158	98.4	48.3	144.9

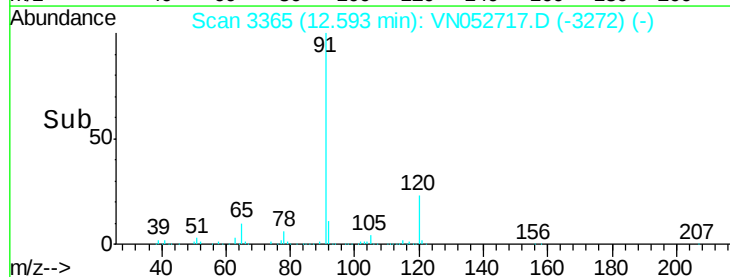
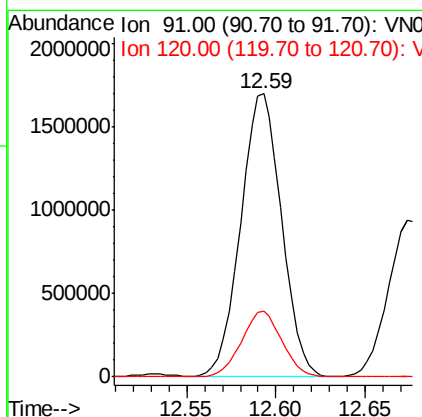
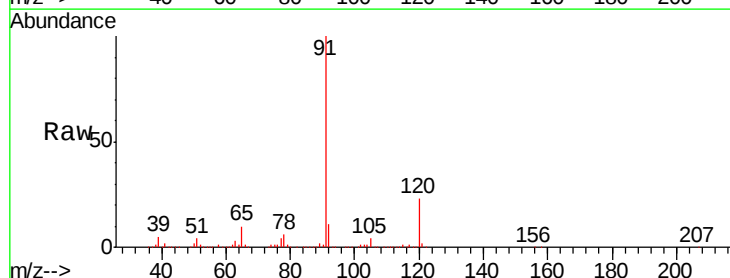
Manual Integrations
APPROVED

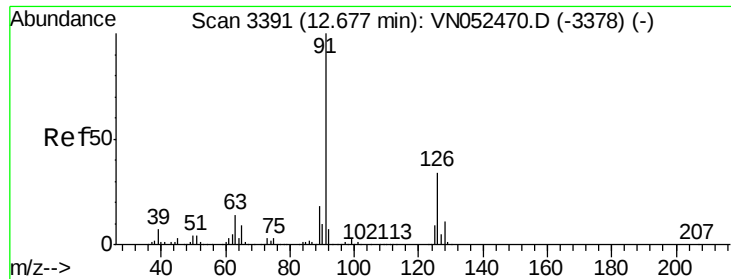
MMDadoda
12/10/2018 12:50:31 PM



#78
n-propylbenzene
Concen: 50.836 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.3	33.9





#79

2-Chlorotoluene

Concen: 49.407 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1572704

Ion Ratio Lower Upper

91 100

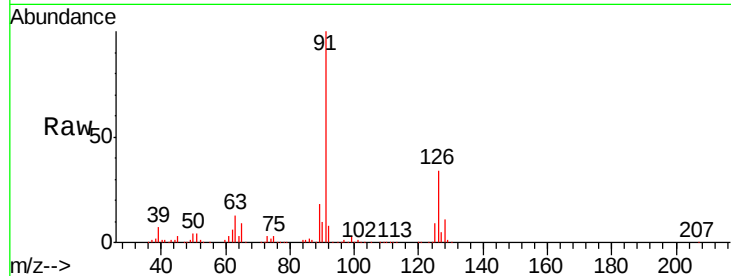
126 34.7 17.2 51.6

Manual Integrations

APPROVED

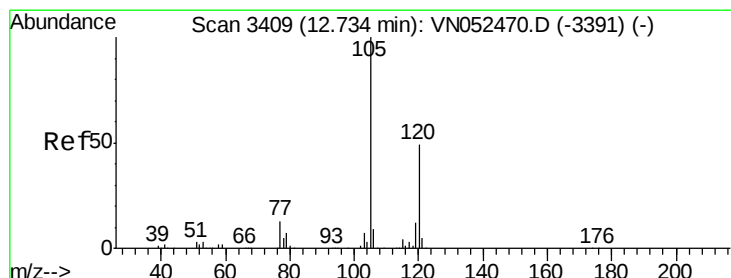
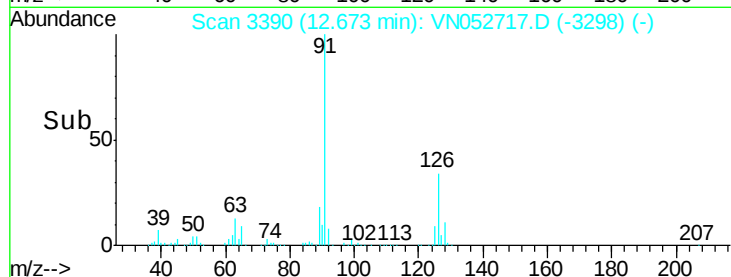
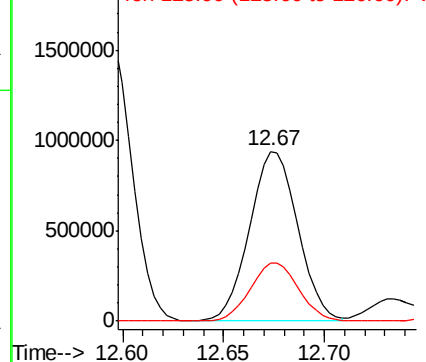
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN052717.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN052717.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.711 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052717.D

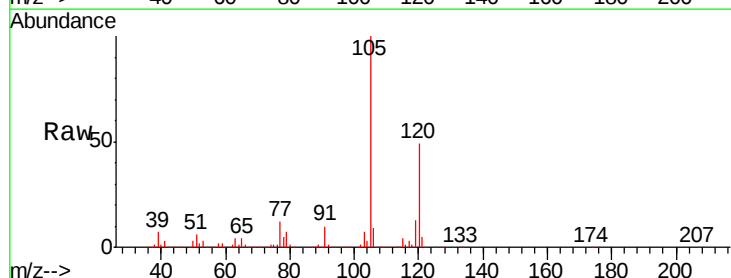
Acq: 7 Dec 2018 10:47

Tgt Ion: 105 Resp: 1902970

Ion Ratio Lower Upper

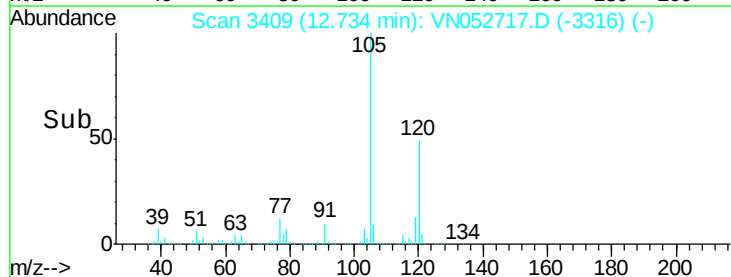
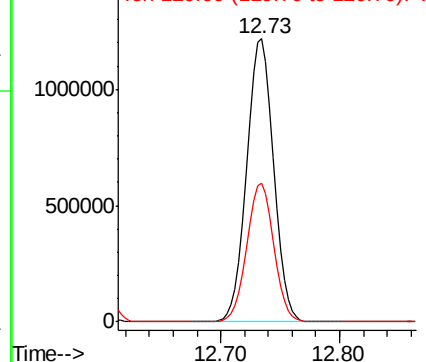
105 100

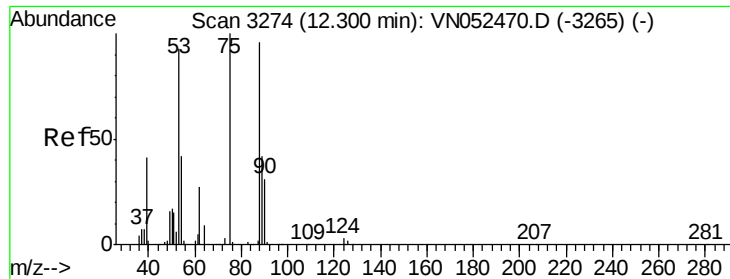
120 49.3 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052717.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN052717.D (-3409) (-)





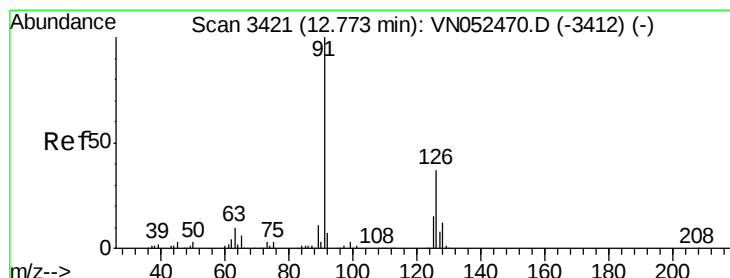
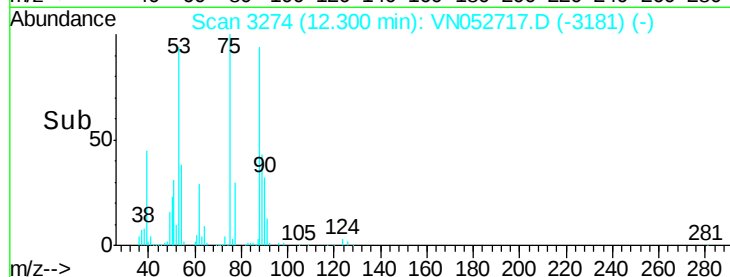
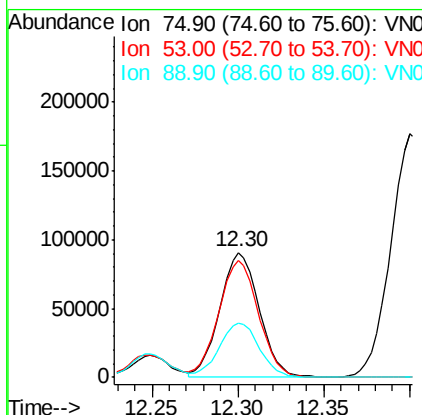
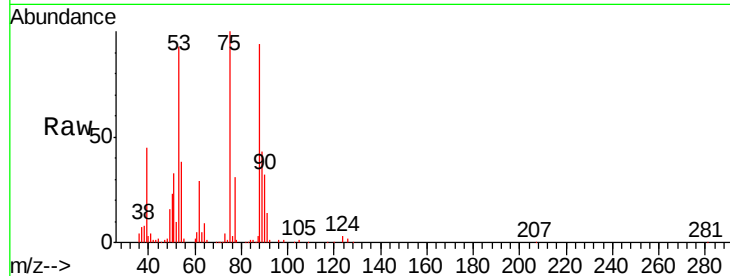
#81
trans-1,4-Dichloro-2-butene
Concen: 52.452 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	94.8	77.4	116.0
89	44.3	35.4	53.2

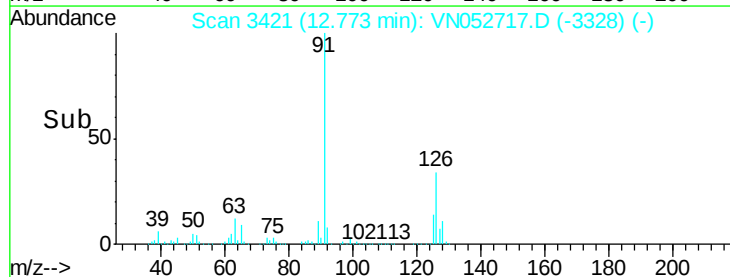
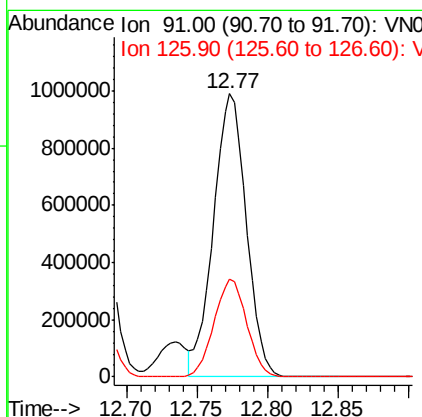
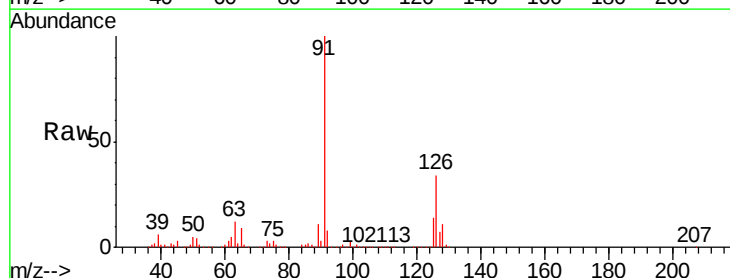
Manual Integrations
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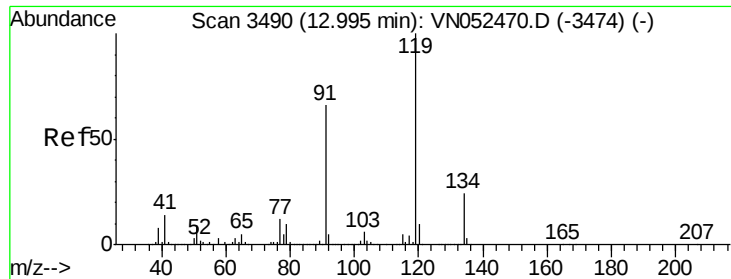
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.799 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.9	50.6





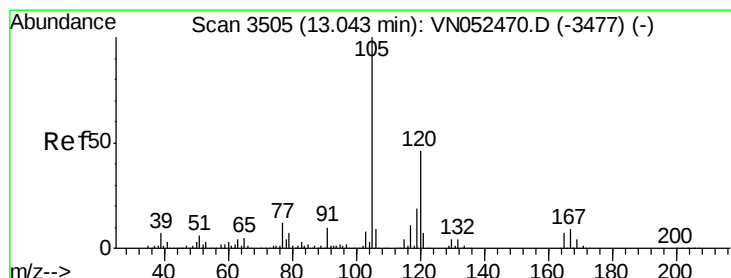
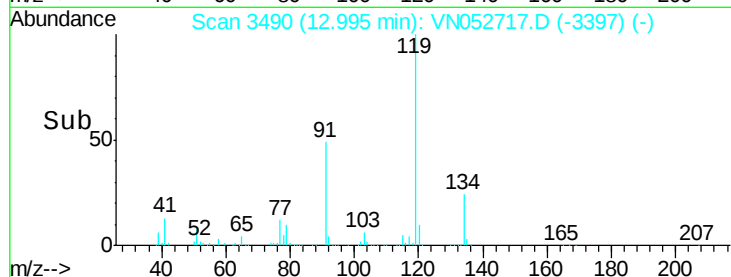
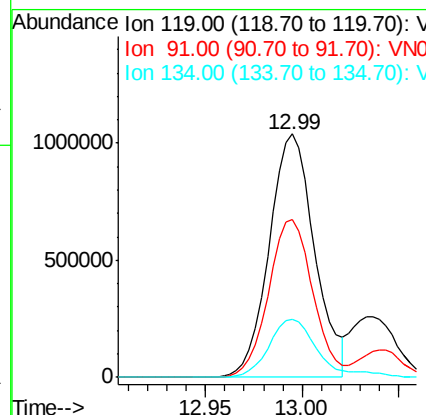
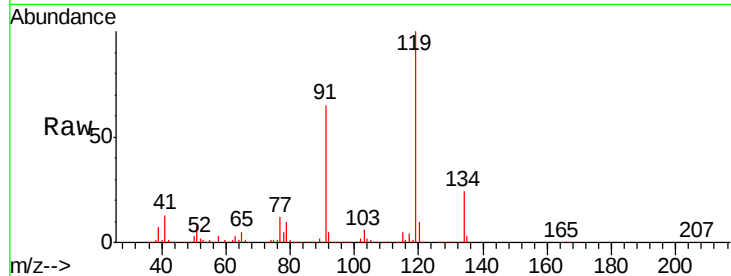
#83
 tert-Butylbenzene
 Concen: 50.813 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	63.7	32.3	96.9
134	25.9	13.0	38.9

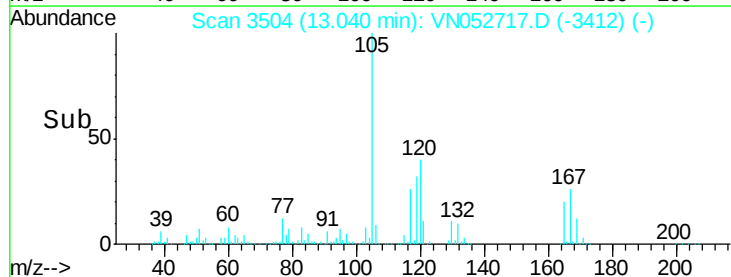
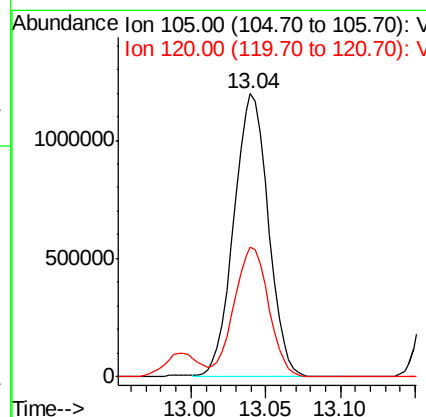
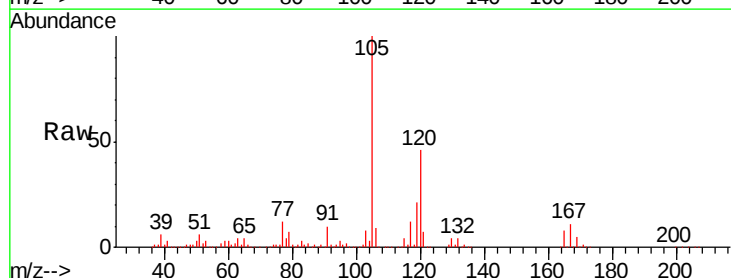
Manual Integrations
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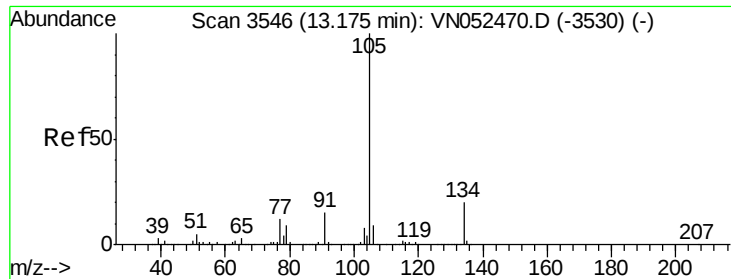
MMDadoda
 12/10/2018 12:50:31 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.035 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.8	68.4





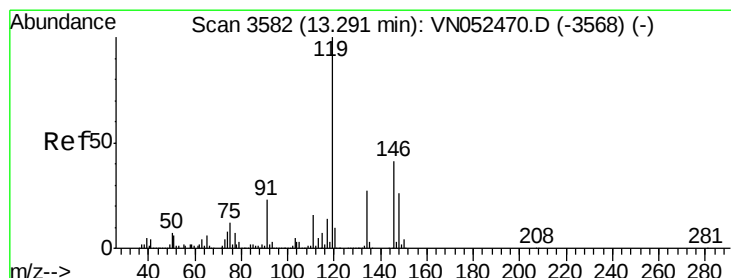
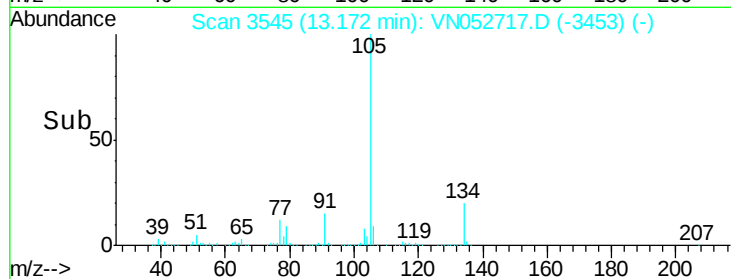
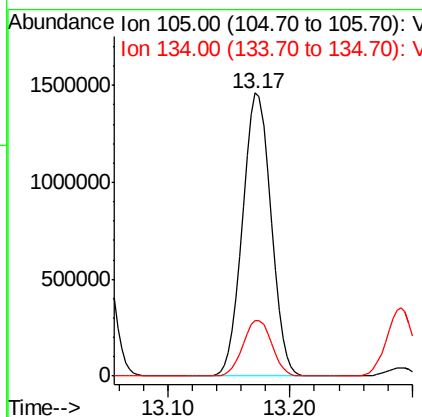
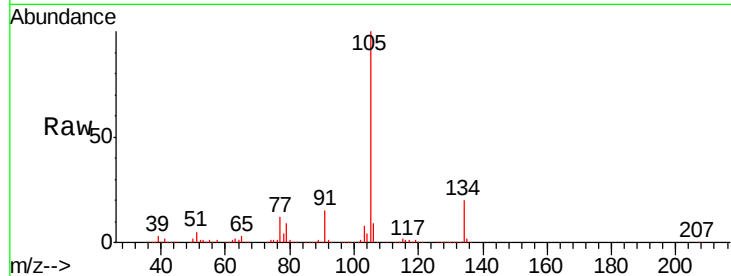
#85
 sec-Butylbenzene
 Concen: 51.329 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 2338869
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.9 29.7

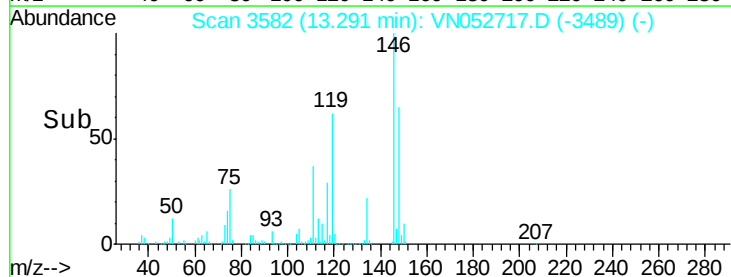
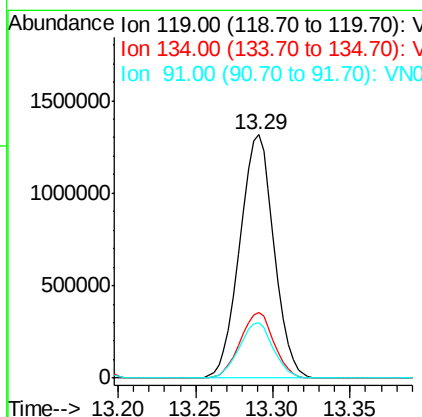
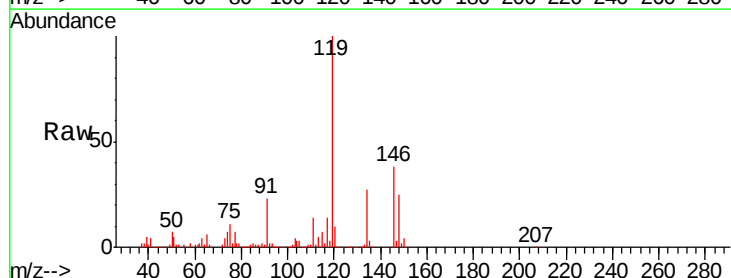
Manual Integrations
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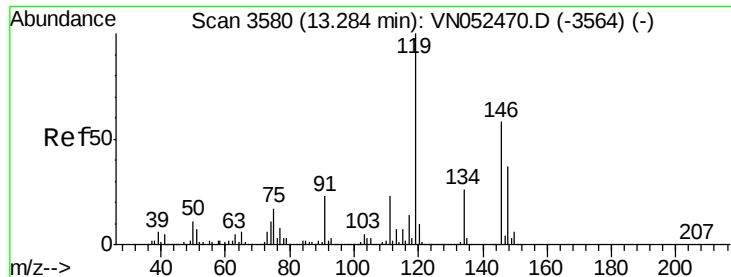
MMDadoda
 12/10/2018 12:50:31 PM



#86
 p-Isopropyltoluene
 Concen: 51.965 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Tgt Ion:119 Resp: 2016787
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 22.6 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 51.305 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 1043722

Ion Ratio Lower Upper

146 100

111 38.2 19.4 58.4

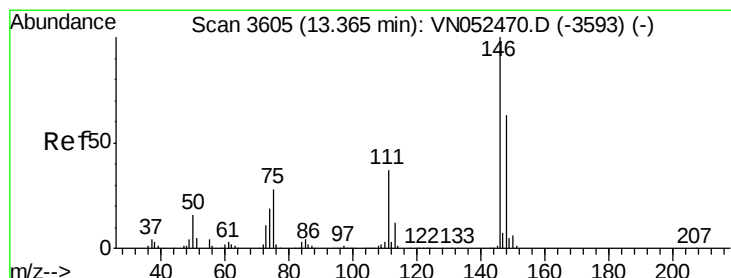
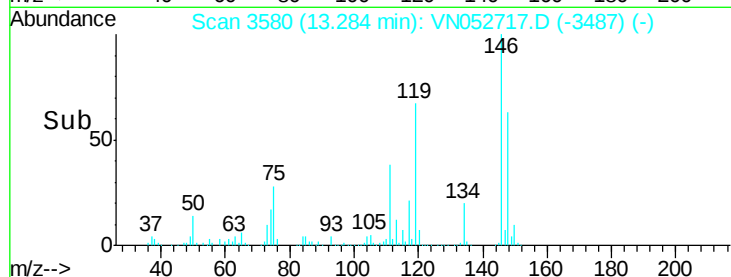
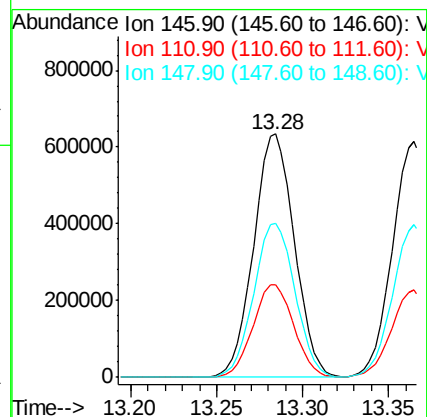
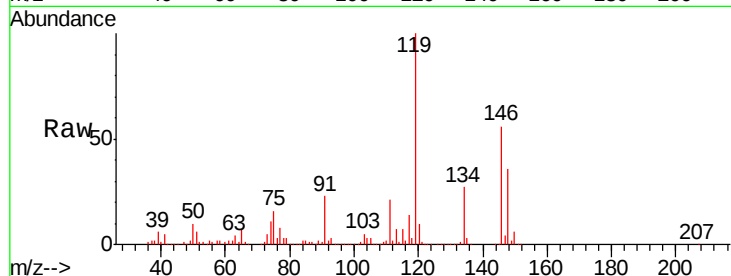
148 64.0 31.8 95.4

Manual Integrations

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#88

1,4-Dichlorobenzene

Concen: 50.604 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

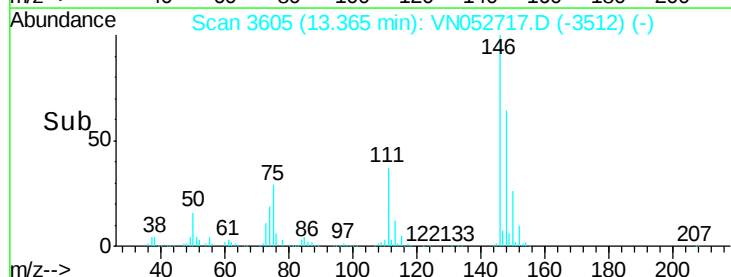
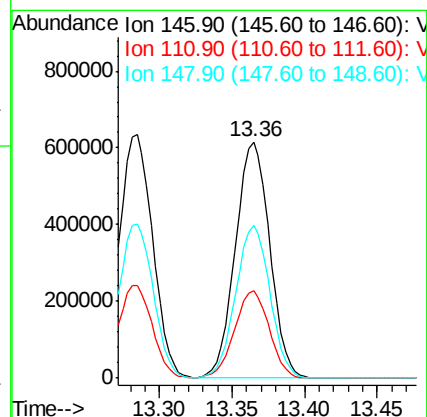
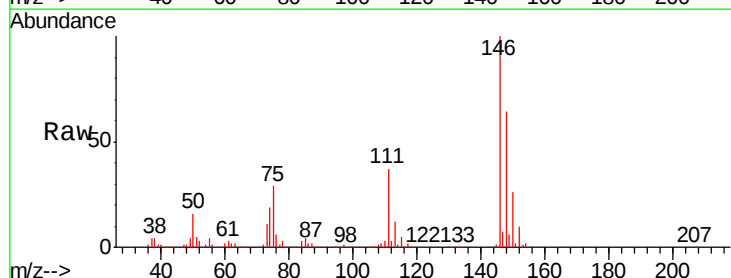
Tgt Ion:146 Resp: 1014020

Ion Ratio Lower Upper

146 100

111 37.4 18.6 56.0

148 64.3 31.9 95.9





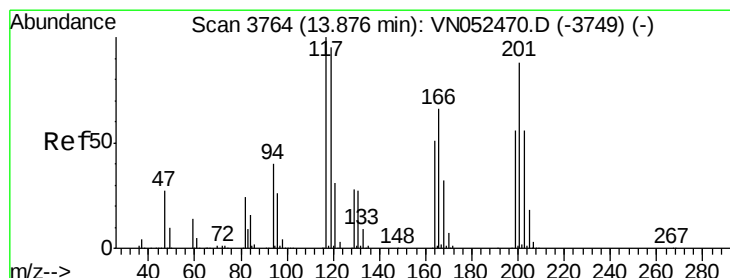
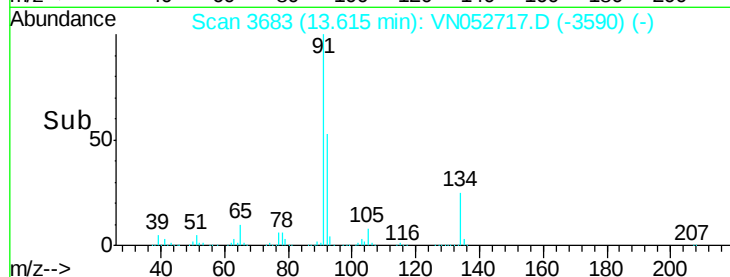
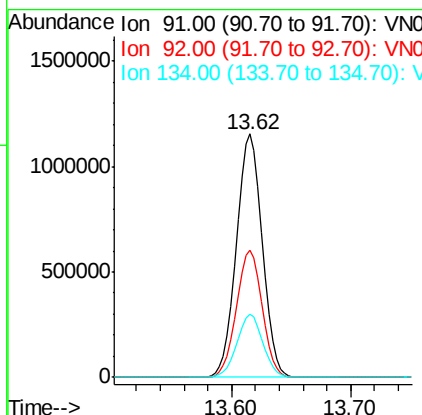
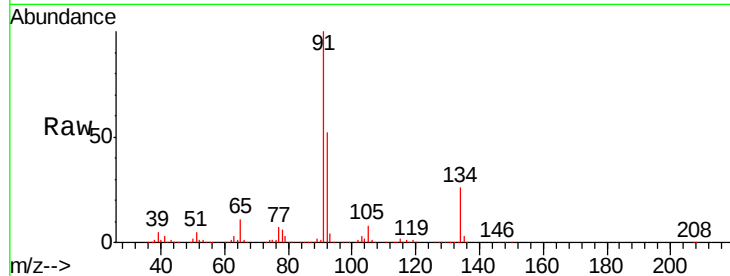
#89
n-Butylbenzene
Concen: 53.806 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1736669
Ion Ratio Lower Upper
91 100
92 52.2 26.1 78.3
134 26.0 13.0 38.9

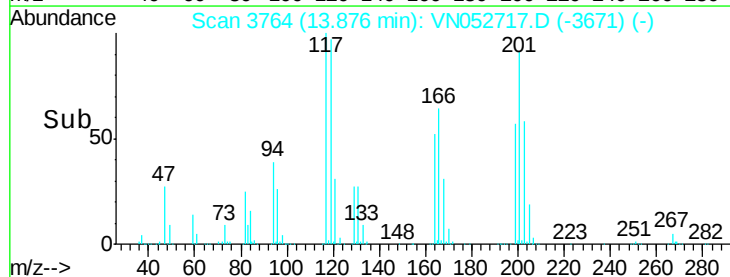
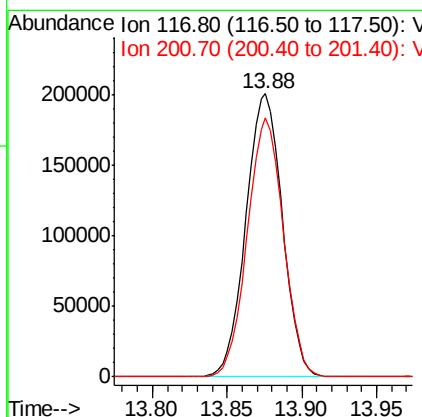
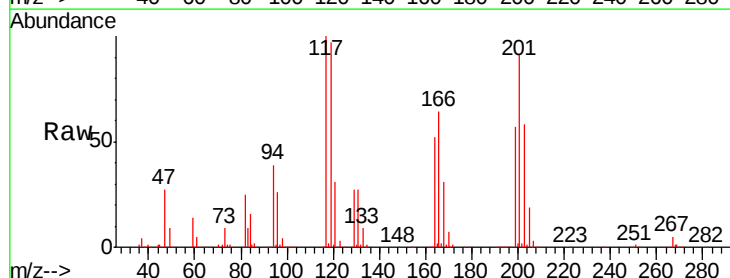
Manual Integrations
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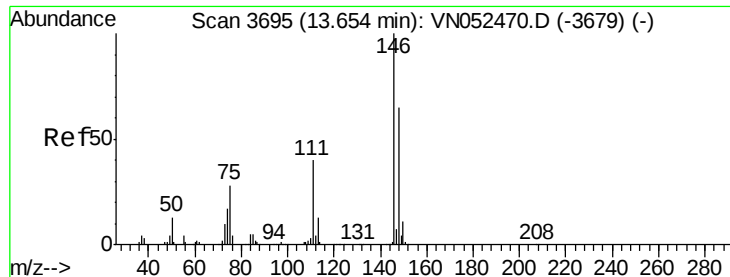
MMDadoda
12/10/2018 12:50:31 PM



#90
Hexachloroethane
Concen: 51.812 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052717.D
Acq: 7 Dec 2018 10:47

Tgt Ion: 117 Resp: 340474
Ion Ratio Lower Upper
117 100
201 90.3 43.6 130.9





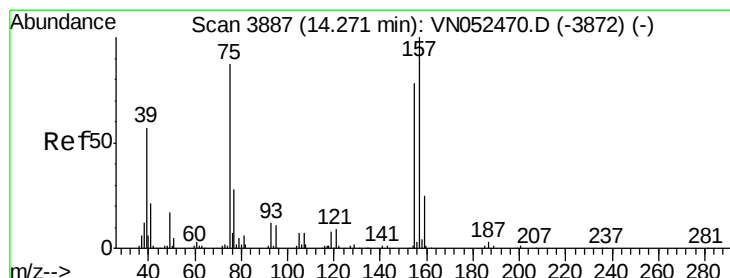
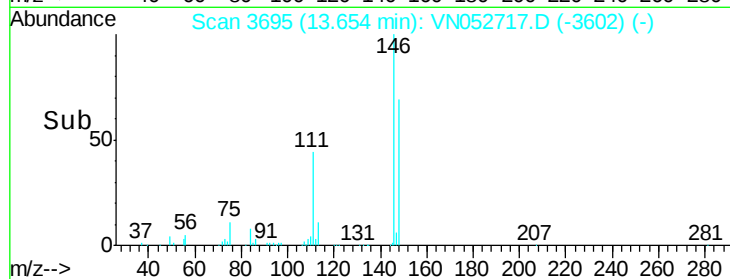
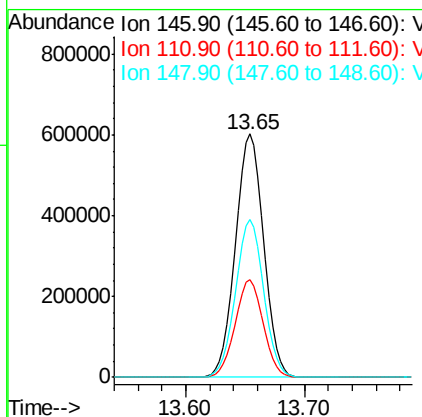
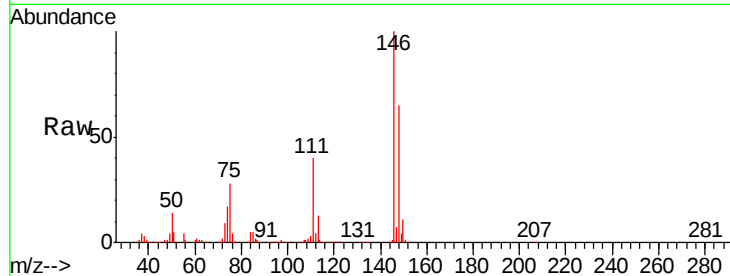
#91
 1,2-Dichlorobenzene
 Concen: 50.943 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	990123		
111	39.8	20.0	60.0	
148	64.6	32.0	96.2	

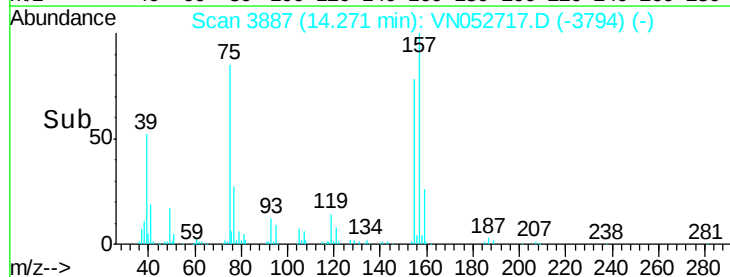
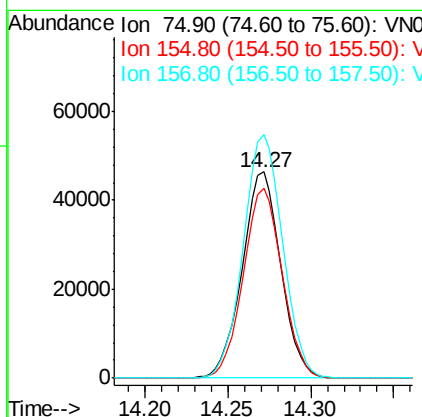
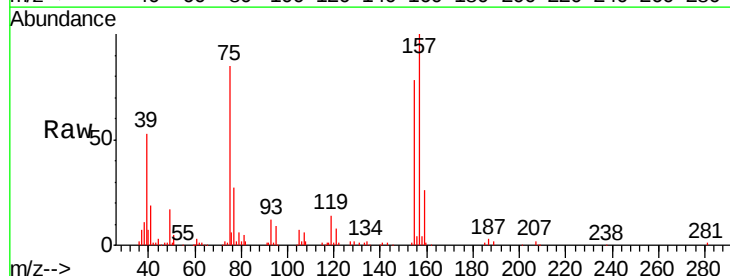
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.210 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75331		
155	92.3	45.3	135.9	
157	120.5	58.1	174.2	





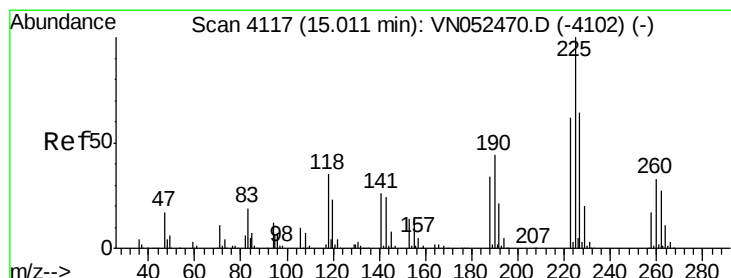
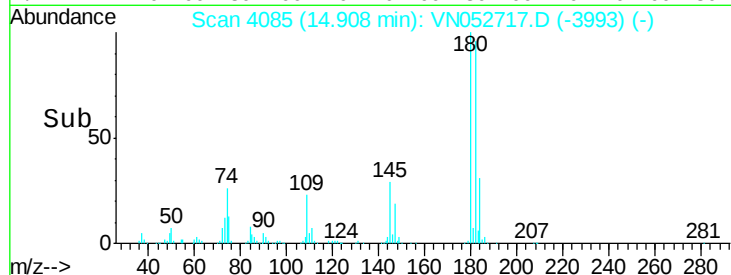
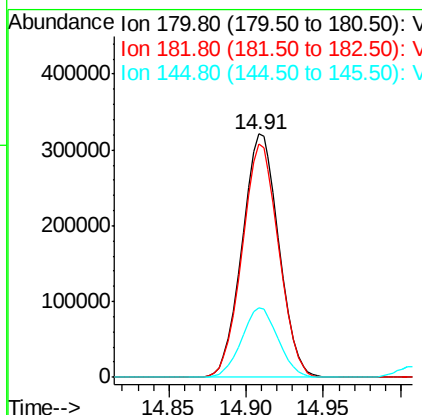
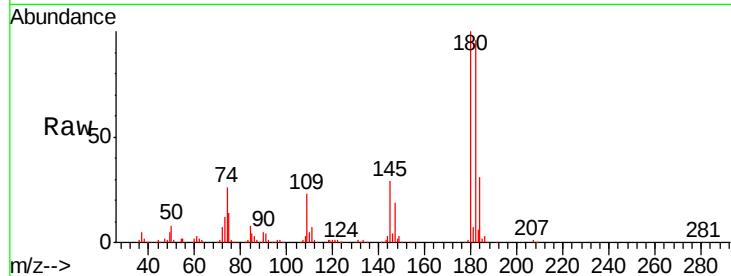
#93
 1,2,4-Trichlorobenzene
 Concen: 49.706 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.8	143.4	
145	28.4	14.1	42.3	

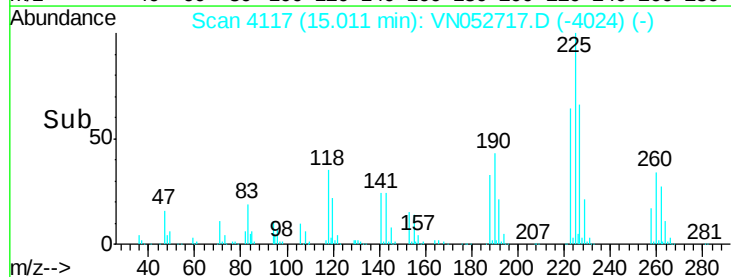
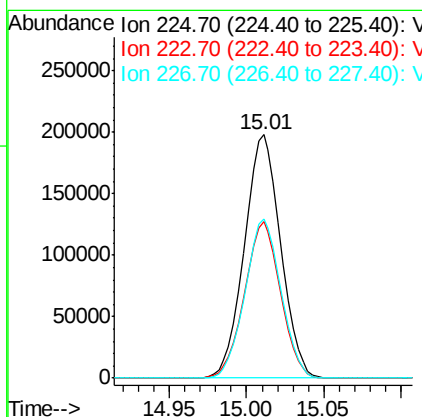
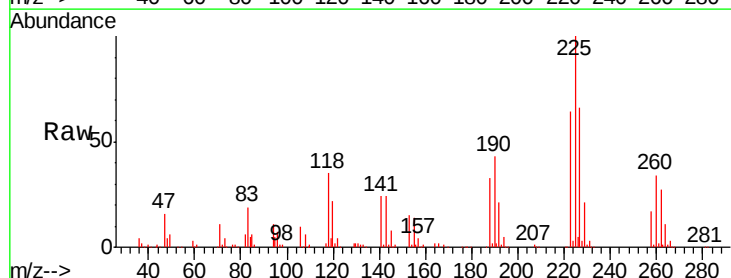
Manual Integrations
 APPROVED

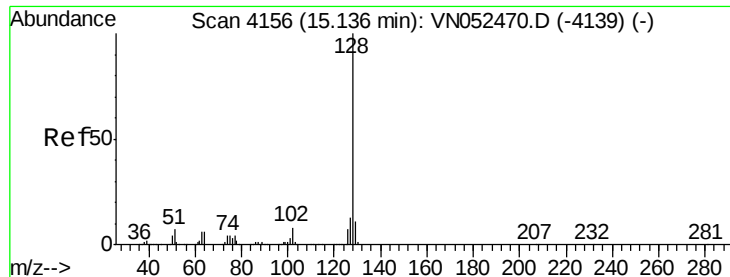
MMDadoda
 12/10/2018 12:50:31 PM



#94
 Hexachlorobutadiene
 Concen: 51.660 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052717.D
 Acq: 7 Dec 2018 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	31.4	94.2	
227	64.7	32.5	97.4	





#95

Naphthalene

Concen: 46.496 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Instrument :

MSVOA_N

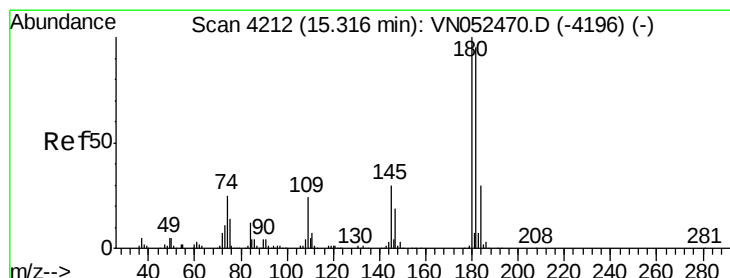
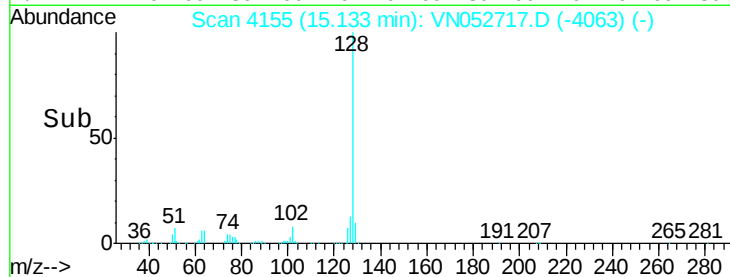
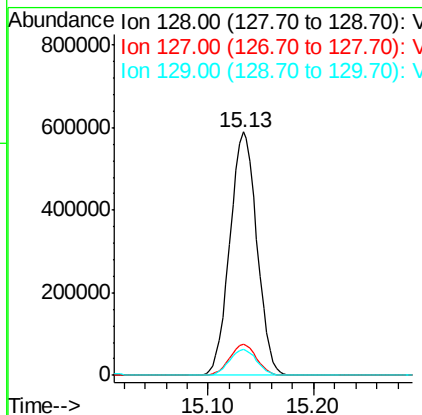
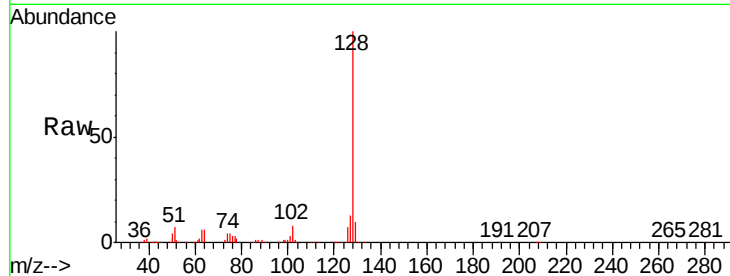
ClientSampleId :

VSTDCCC050

Tgt Ion:	128	Resp:	1044019
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/10/2018 12:50:31 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.615 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052717.D

Acq: 7 Dec 2018 10:47

Tgt Ion:	180	Resp:	485486
Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.8	143.3
145	29.6	15.2	45.5

